PORTER	Start from 1 and add/subtrac			Stunc 1.1	io je a)					
+		2	comparison between			science					
ORT phenomer explanati	theory/model	relevant experiments	theory and experiment	own contribution	task fulfilment	communication	DISC	CUSSION WITH OPF			VERS TO JURY,
almost n	o almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic		relevant	reporter's conduct in the		ONENT, and
some	some	some	some	preview of sources, cited	partly	partly clear		arguments/responses	discussion	REVI	EWER'S QUESTIONS
fair	fair	fair	qualitative agreement	some own input	P average	 average 	0	too few	poor/aggressive	1.00	
(good)	good	(good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done		• some	partly fine	Ø	concise and correct or questions asked
	$\langle \rangle$	multitude of			_		1	ø many	+ good	<u> </u>	•
detailed demonstra	o	or parametres	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	2	+ data/theory supported	e some aspects efficient	Ø	some incorrect, inconclus ve or too long
deep and compre shows physical		and errors and analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	-7	deeply incorrect or sho deep miscnceptions

1

1

OPPONENT +

2]-[2) - (0	=	6

Start --om 1 and add/subtract

	QUESTIONS ASKED	OPP	OSITION (SPEECH)				DISCUSSION WITH REPO	RTER		ANSWERS TO JURY and
	too few, mostly irre evant relevant, aimed at resolving		understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
	unclear points in the report	0	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	questions asked
- }	J	18	some main points	too few/many	some	reasonable	€ too few/many	a some	some aspects fine	some incorrect.
	+ short, apt and clear, well	2	main points	 partially relevant 	some correct	a fair	partially relevant	 some correct 	e good	-1 inconclusive or too long
l	2 prioritised, all time Lsed		all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	, v
1	NOTES:	4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

REVIEWER Start from 1 and add/subtract 2 + 1 ± 10 − −2 = 6 1 + 1 + 1 -

G	JESTIONS ASKED	REVIEW OF REPORT				IEW OF OPPOSIT	ION	DIS	CUSSION AN	ALYSIS	MIS	SED POINTS	ANS	WERS TO JURY
0	too few, mostly irre evant		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	FOI	NTED OUT	QUE	STIONS concise and correct or no
	relevant, meant to clarify unclear points	0	poor/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	irrelevant	2 1	irrelevant	38	questions asked
p	+ suitably allotter to Rep & Opp, most time used	10	superficial	partially relevant/correct		superficial	partially relevant/correct	10	superficial	some	n	none	X	some incorrect,
d	+ short, apt and cear, well prioritised,	b	good	mostly correct/prioritised	÷	good	mostly correct/prioritised	Ρ.	relevant parts	many	Ø	relevant,	r)	inconclus ve or too long
P	time managed efficiently	40 T	apt, accurate	fully adequate, well prioritised	9	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	Ø	constructive	0	deeply incorrect or shows deep misconceptions

NOTES:

HPT = November 2022

ASA Sep: M Gabriel REPORTER Start	SCHOU 5-6 L	arol Hunivica	Rev: 1. H-2	Ba Mix igp			(DC	bleverez O
1+G.5)+ A.5	-055=5			0			1 Zeizicie	ava
REPORT phenomenon explanation almost no 1 some fair 2 good	almost no alm some su fair	experiments comparison between theory and experiment ost no almost no ome some fair qualitative agreement good quantitative agreement	own contribution almost no review of sources, cited some own input + some interesting results	task fulfilment misunderstood partly average some aspects above average	science communication unclear, chaotic partly clear average some aspects well done	DISCUSSION WITH relevant arguments/resp 0 too few some	H OPPONENT reporter's conduct in the discussion poor/aggressive partly fine	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS concise and correct or no questions asked
detailed demonstrative	correct	titude of ametres + limits discussed amined	or considerable ft experimental	interesting solution	overall clear, demonstrative	+ data/theo supported		some incorrect, inconclusive or too long
 deep and comprehensible, shows physical risight 	completely testable and	errors well fitting, deviations analysed, conclusive	considerable and theoretical	-	complex concepts vell communicated	3 proved dee understandi	Overall ethcient	-2 deeply incorrect or shows deep miscnceptions
	from 1 and add/subtract + 15 = 56	ieure communication 4	(aso str proof)	η') E) lhiors with of colors evertuation	ih Bayes	
QUESTIONS ASKED too few, mcstly "relevant relevant, aimed at resolvi unclear points in the repo + short, apt and clear, we prioritised, all time used	ng 0 almost nothing 1 some main points	topics raised and their prioritisation own of press almost none too too few/many so partially relevant some of mostly relevant mostly relevant many + well prioritised + impro-	pinions time ented management few poor me - reasonable correct fair correct efficient ovement + sstions all time used	topics raise priorit 0 almos 1 too few 2 partially 3 mostly	st none w/many v relevant relevant	opinions presented too few some some correct many correct rovement suggestions	opponent's conduct in the discussion poor/aggressive some aspects fine good some aspects efficient overall efficient	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions
$\frac{\text{REVIEWER}}{1} + (1.5) + (1.5)$	e dibuit mention (P) A for each colo 5 Sheether of light rom 1 and add/subtract + (1 5) + (1) ± ().	a CD Structure		- changes	W/ CD vs DU	The retrop - un Dotter Doug? d encourt - how ho	ling on feel	
QUESTIONS ASKEC too few, mcstly irrelevant relevant, meant to clarify + suitably al otted to Rep most time used + short, apt and clear, we time managed efficiently	unclear points 0 poor/4 & Opp, 1 super	tion & pros & cons tanding prioritisation wrong irrelevant ficial partially relevant/correct od mostly correct/prioritised fully adequate.	REVIEW OF OPPOSI speech evaluation 0 poor/wrong 1 good 2 apt & accurate	TION pros & cons prioritisation irrelevant partially relevant/o mostly correct/prio fully adequate well prioritise	n correct corr	ION ANALYSIS cussion duation poor irrelevant berficial some rant parts many curate, fully vinicing adequate	MISSED POINTS POINTED OUT -1 irrelevant 0 none relevant, constructive	ANSWERS TO JURY QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions
NOTES: Please, suitably adjust your grade	G LD Vs	nge. 🧹	(1) hot impor (1) kelver a (1) Shelving	taiterroos Vis. Likes				(YPY – November 2022

REPORT phenomenon	theory/model releva	ant experiments	01407.0	ontribution	task fulfilment	science	DISCUSSIC		PONENT	ANSWERS TO JURY,
explanation almost nc	almost no	almost no almost	xperiment	most no	misunderstood	communication unclear, chaoi	on	relevant	reporter's	OPPONENT, and
some	some	som som	e review of	sources, cited	partly	partly clear		ents/responses	s conduct in the discussion	REVIEWER'S QUESTIONS
) fair	fair	fair qualitative a	greement some	winjinput	average	average	0	too few	poor/aggressive	concise and correct or no
Baad	good	good quantitative a	agreement + some int	teresting results	some aspects above average	some aspect well done	5	some	partly fine	Of questions asked
detailed	quite devailed, <u>or</u>	multitude of	or cor	nsiderable	interesting	overall clear		many	good	some incorrect.
demonstratr./e	correct	parametres + limits dis examined	scussed —	erimental	solution	demonstrativ	re () +0	date/theory upported	som aspects (inconclusive or too long
	detailed, complex, completely testable <u>and</u>	errors well fitting, d analysed, co	an all and a second	nsiderable eoretical	greater extent than expected	+ complex conce well communica	35	oved deep derstanding	overall efficient	-2 deeply incorrect or show deep miscnceptions
PPONENT Start - + 0δ + 05 -	$\frac{1 \text{ and } \text{add/subtract}}{1 \text{ (1)}} = \boxed{2}$	<u> </u>			DISCUSSIO	ON WITH REPOR	RTER	<u>.</u>		ANSWERS TO JURY and
ESTIONS ASKED too few, mostly irelevant	OPPOSITION (SPEE understandin	CH) g of topics raised and their	own opinions presented	time management	topics	IN WITH REPOR raised and their rioritisation	RTER own opinions press	enred i i i	ment's conduct in he discussion	REVIEWER'S QUESTIONS
+ 05 + 05 - ESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving	OPPOSITION (SPEE understandin presentatio	CH) g of topics raised and their nn prioritisation ng almost none	•	time management	topics pr	raised and their		ented t		REVIEWER'S QUESTIONS
ESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving unclear points in the report	OPPOSITION (SPEE understandin presentatio almost nothi some main po	CH) g of topics raised and their prioritisation ng almost none ints coordinates few/many	presented to few some	management reasonable	topics 0 0al	raised and their rioritisation Imost none to few/many	own opinions press	ented ti	he discussion	REVIEWER'S QUESTIONS concise and correct or n questions asked
+ 05 + 05 - ESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving	OPPOSITION (SPEE understandin presentatio almost nothi some main point 2 main point	CH) g of topics raised and their prioritisation ng almost none ints Co few/many s partially relevant	to few some some correct	management poor reasonable fair	topics 0 al 1 too 2 part	raised and their rioritisation Imost none to few/many tially-celevant	own opinions press too few some some	protect the solution of the so	he discussion oor/aggressive me appects fine good	REVIEWER'S QUESTIONS
ESTIONS ASKED too few, mostly irrelevant relevant, aimed a: resolving unclear points in the repor- + short, apt and c ear, wel prioritised, all time used	OPPOSITION (SPEE understandin presentatio almost nothi some main point all relevant point all relevant point	CCH) g of topics raised and their nn prioritisation ng almost none ints & few/many s partially relevant ints mostly relevant	presented to few some	management reasonable	topics pr 0 al 1 too 2 part 3 mo	raised and their rioritisation Imost none o few/many tidliycelevant ostly relevant	own opinions prese too few some some correct many correct	some	he discussion oor/aggressive me affects fine good e aspects efficient	REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show
+ 0 5 + 0 5 - ESTIONS ASKED too few, mostly irrelevant relevant, aimed a: resolving unclear points in the repor- + short, apt and c ear, wel prioritised, all time used	OPPOSITION (SPEE understandin presentatio almost nothi some main point 2 main point	CCH) g of topics raised and their nn prioritisation ng almost none ints & few/many s partially relevant ints mostly relevant	to few some some correct many correct	management poor reasonable fair	topics pr 0 al 1 too 2 part 3 mo	raised and their rioritisation Imost none to few/many tially-celevant	own opinions press too few some some	some	he discussion oor/aggressive me appects fine good	REVIEWER'S QUESTIONS concise and correct or n questions asked some incorrect, inconclusive or too long
+ 05 + 05 - ESTIONS ASKED too few, mostly irrelevant relevant, aimed a: resolving unclear points in the repor- + short, apt and c ear, wel prioritised, all time used	OPPOSITION (SPEE understandin presentatio almost nothi some main point all relevant point all relevant point	CCH) g of topics raised and their nn prioritisation ng almost none ints & few/many s partially relevant ints mostly relevant	presented toblew some some correct many correct + improvement	management reasonable fair efficient +	topics pr 0 al 1 too 2 part 3 mo	raised and their rioritisation Imost none o few/many tidliycelevant ostly relevant	own opinions prese too few some some correct many correct	some	he discussion oor/aggressive me affects fine good e aspects efficient	REVIEWER'S QUESTIONS concise and correct or r questions asked some incorrect, inconclusive or too long deeply incorrect or show
+ OS + OS - ESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and c ear, wel prioritised, all time used ES:	OPPOSITION (SPEE understandin presentatio almost nothi some main point all relevant point all relevant point	CCH) g of topics raised and their nn prioritisation ng almost none ints & few/many s partially relevant ints mostly relevant	presented toblew some some correct many correct + improvement	management reasonable fair efficient +	topics pr 0 al 1 too 2 part 3 mo	raised and their rioritisation Imost none o few/many tidliycelevant ostly relevant	own opinions prese too few some some correct many correct	some	he discussion oor/aggressive me affects fine good e aspects efficient	REVIEWER'S QUESTIONS concise and correct or n questions asked some incorrect, inconclusive or too long deeply incorrect or show
+ OS + OS - ESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and c ear, wel prioritised, all time used ES:	OPPOSITION (SPEE understandin presentatio 0 almost nothi some main point all relevant point all rel	CH) g of topics raised and their prioritisation ng almost none ints Go few/many s partially relevant ints mostly relevant oints + well prioritised	presented toblew some some correct many correct + improvement	management reasonable fair efficient +	topics pr 0 al 1 too 2 part 3 mo	raised and their rioritisation Imost none o few/many tidliycelevant ostly relevant	own opinions prese too few some some correct many correct	some	he discussion oor/aggressive me affects fine good e aspects efficient	REVIEWER'S QUESTION concise and correct or questions asked some incorrect, inconclusive or too lon deeply incorrect or sho
+ 0 + 0 + 0 - 0 ESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and c ear, wel prioritised, all time used ES: VIEWER + 1	OPPOSITION (SPEE understandin presentatio almost nothi some main point all relevant po all relevant po pract cally all p om 1 and add/subtract	CCH) g of topics raised and their nn prioritisation ng almost none ints 60 few/many s partially relevant ints mostly relevant oints + well prioritised	presented to few some some correct many correct + improvement suggestions	management reasonable fair efficient + all time used	0 al 1 topics 2 pr 3 mo 4 + w	raised and their rioritisation Imost none to few/many tidiyce evant ostly relevant rell prioritised	own opinions press too few some correct many correct + improvement sugg	estions of	he discussion oor/aggressive me affects fine good e aspects efficient verall efficient	REVIEWER'S QUESTIONS concise and correct or r questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
+ O S + O S - VESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and c ear, well prioritised, all time used TES:	Image: Composition of the second s	CH) g of topics raised and their prioritisation ng almost none ints Go few/many s partially relevant ints mostly relevant oints + well prioritised	presented to few some some correct many correct + improvement suggestions	management reasonable fair efficient +	0 al 1 topics 2 pr 3 mo 4 + w	raised and their rioritisation Imost none to few/many tiallycelevant ostly relevant rell prioritised	own opinions press too few some some some rect many correct + improvement sugg	estions of SIS M	he discussion oor/aggressive me affects fine good e aspects efficient	REVIEWER'S QUESTIONS concise and correct or n questions asked some incorrect, inconclusive or too long deeply incorrect or show

poor/wrong irrelevant poor/wrong some questions asked irrelevant + suitably allottee to Rep & Opp, O superficial supericial partially rejevant/correct partially relevant/concect none 0 superficial some incorrect, most time used + short, apt and clear, well prioritised, 8000 relevant parts many inconclusive or too long mostly correct/prioritised C mostly correct/prioritised good relevant, accurate, fu ly deeply incorrect or shows fully adequate, fully adequate, time managed efficiently constructive apt & accurate convinicing adequate apt, accurate well prioritised well prioritised deep misconceptions

NOTES:

IYPT - November 2022

REPORT R	henomenan	COD	nnarison hetween	calapse	
-+	<u>/</u> + <u>o</u> - <u>o</u> = <u>2</u>	THICIK	,		
REPORTE	R Start from 1 and add/subtract	Aneta	stefancinova		
Tomas	LU EIVJ HNSKS	1. Fritdoj	(2-kolo)		

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Problem 10

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPP		ANSWERS TO JURY,
	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant	reporter's	OPPONENT, and
	some	some	some	some	review of sources, cited	partly	partly clear	arguments/responses	conduct in the discussion	REVIEWER'S QUESTIONS
1.	fair	fair	fair	qualitative agreement	some own input	average	average	0 too few	poor/aggressive	
	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	scme	partly fine	 concise and correct or no questions asked
	detailed	quite detailed,	or multitude of		ex considerable	-) many	good	
	demonstrat ve	correct	parametres	+ limits discussed	or considerable 介 experimental	interesting solution	overall clear, demonstrative	+ data/theory 2 supported	some aspects efficient	some incorrect, -1 inconclusive or too long
		detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3 proved deep understanding	overall efficient	-2 deeply incorrect or shows deep miscnceptions

NGTES:

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OPPONENT Start from 1 and add/subtract 2 1

Katarina Gersova 8 =

QUESTIONS ASKED **OPPOSITION (SPEECH)** DISCUSSION WITH REPORTER ANSWERS TO JURY and understanding of too few, mostly irrelevant topics raised and their own opinions time topics raised and their opponent's conduct in **REVIEWER'S QUESTIONS** own opinions presented presentation prioritisation presented management prioritisation the discussion relevant, aimed at resolving concise and correct or no almost nothing almost none too few almost none too few poor/aggressive poor unclear points in the report questions asked some main points too few/many some reasonable too few/many some some aspects fine + short, apt and clear, wel some incorrect, main points partially relevant some correct fair partially relevant some correct good prioritised, all time used inconclusive or too long all relevant points mostly relevant many correct efficient mostly relevant many correct some aspects efficient deeply incorrect or shows NOTES: + improvement + practically all points + well prioritised + well prioritised overall efficient + improvement suggestions deep misconceptions suggestions all time used

REVIEWER

1 + Start from 1 and add/subtract

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Viktor Courtos

QUESTIONS ASKED	REVIEW OF REPORT	Γ	REVIEW OF OPPOSIT	rion	DISCUSSION AN	ALYSIS	MISSED POINTS	ANSWERS TO JURY	
too few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS concise and correct or no	
relevant, meant to clarify unclear points + suitably allotted to Rep & Opp,	o poor/wrong	irrelevant	0 poor/wrong	irrelevant	0 poor	irrelevant	a irrelevant	questions asked	
most time used	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	none	some incorrect,	
+ short, apt and clear, well prioritised,	2 good	mostly correct/prioritised	1 good	mostly correct/prioritised	relevant parts	· · · · · · · · · · · · · · · · · · ·	in relevant i	inconclusive or too long	
time managed efficiently	apt, accurate	fully adequate, well prioritised	2 apt & accurate	fully adequate, well prioritised	2 accurate, convinicing	fully adequate	constructive	deeply incorrect or shows deep misconceptions	

NOTES:

IVPT - November 2022

Katavia Reinicka' 1 Aneta Stefancinovo	F72B00 , 2.							
And Fefancinove REPORTER Start from	/ % m 1 and add/subtract	2421						
	<u>)</u> = <u>3</u>	90						
REPORT phenomenon explanation	theory/model relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	nce DISCUS	SION WITH OP		ANSWERS TO JURY,
0 almost no 1 some	almost no almost no some some		almost no eview of sources, cited	n partly 👂 partly	, chaotic / clear arg	relevant guments/response	conduct in the discussion	OPPONENT, and REVIEWER'S QUESTIONS
2 good	fair fair good good	qualitative agreement quantitative agreement + se	some own input	some aspects some a	rage 0 aspects	too few some	poor/aggressive	concise and correct or no
detailed demonstrative	quite detailed, <u>or</u> multitude of parametres	+ limits discussed		interesting overal	done 1 I clear, strative	many + data/theory	good some aspects	o guestions asked some incorrect, inconclusive or too long
	etailed, complex,	well fitting, deviations analysed, conclusive and	considerable		x concepts 3	supported proved deep understanding	efficient overall efficient	deeply incorrect or shows deep miscnceptions
NOTES: augle of inc	journe invellement	<u>, </u>		were done		(ur n	igid rel-	up)
CATAVINA GEVSOVA OPPONENT Start from 1+2+3+(m 1 and add/subtract 2 - 3 = 3						0	
QUESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and c ear, well prioritised, all time used	presentation priod 0 almost nothing almost 1 some main points too 2 main points partial	aised and their own opinio pritisation presente nost none too few few/many some ally relevant some corr	ed management v poor reasonable rect fair	0 almost none 1 too few/many 2 partially relevan	t some corr	v presented t	ment's conduct in the discussion por/aggressive me aspects fine good	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long
NOTES:		Il prioritised suggestio	ment 🡩 +	3 0 mostly relevant 4 + well prioritised			e aspects efficient verall efficient	-2 deeply incorrect or shows deep misconceptions
- no measurements	$\frac{1}{10} + \frac{1}{10} \pm 0 = 0$	0 = <u>17</u> l	lietor CSon	ntas				
QUESTIONS ASKED	REVIEW OF REPORT evaluation &	pros & cons	REVIEW OF OPPOSIT	1	DISCUSSION ANA discussion		ISSED POINTS DINTED OUT	ANSWERS TO JURY QUESTIONS
relevant, meant to clarify uncl	understanding	prioritisation	speech evaluation	pros & cons prioritisation	evaluation 0 poor	opinions irrelevant	irrelevant	👔 👩 concise and correct or no
+ suitably allotted to Rep & Op most time used	do.	partially relevant/correct	poor/wrong superficial	irrelevant partially relevant/correct	superficial	some	a none	questions asked some incorrect,
+ short, apt and clear, wel print time managed efficiently	ioritised, 2 good jr apt, accurate	fully adequate, well prioritised	good apt & accurate	fully adequate, well prioritised	2 relevant parts accurate, convinicing	fully adequate	relevant, constructive	inconclusive or too long deeply incorrect or shows deep misconceptions
NOTES:	DECIDENT LEGILIM	N						IYPI – November 2022
NOTES: Difference of Mongole Lewion Please uitably adjust your grades tak	S NBW 2 king into regard the [1,10] range.							

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REPOR		phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPP	<i>a</i>	ANSWERS TO JURY,
		almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant	reporter's	OPPONENT, and
-	0	some	some	some 🦘	some 🔹	review of sources, cited	partly 🙍	partly clear	arguments/responses	conduct in the discussion	REVIEWER'S QUESTIONS
1		fair	≌ fair	fair	qualitative agreement	some own input 😕	average	average •	0 too few	poor/aggressive	
		good	ر. good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	some	partly fine	concise and correct or n questions asked
		detailed	and the strength of	multitude of					1 many	good ‹	r
1	c	demonstrative	quite detailed, correct	or parametres	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory 2 supported	some aspects efficient	c some incorrect, → 1 1 f inconclusive or too long
1.12		and comprehensible, ws physical ms ght	detailed, complex, completely testable	and errors and analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	deeply incorrect or sho deep miscnceptions

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REPORTER

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Start from 1 and add/subtract

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	OPPOSITION (SPEECH)				DIS	CUSSION WITH REPO	ORTER		ANSWERS TO JURY and
too few, mostly irrelevant relevant, aimed at resolving	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
1 unclear points in the report	almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive ¥	questions asked
+ short, apt and clear, wel	1 some main points	too few/many	some	reasonable	1	too few/many	some	some aspects fine	
prioritised, all time used	2 - main points	partially relevant	, some correct	fair	R	 partially relevant 	some correct	good	some incorrect, inconclusive or too long
· 128	all relevant points	 mostly relevant 	many correct	efficient	-	 mostly relevant 	 many correct 	some aspects efficient	
NOTES: Stand	a practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

QU	ESTIONS ASKED	REVIEW OF REPORT	-	REVI	EW OF OPPOSIT	ION	DIS	CUSSION AN	ALYSIS	MISSED POINTS	ANS	WERS TO JURY
0	too few, mostly irre evant	evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions		QUE	STIONS concise and correct or no
0	relevant, meant to clarify unclear points	poor/wrong	irrelevant	0	poor/wrong	irrelevant	C.	poor	irrelevant	irrelevant (U.	questions asked
U	+ suitably allotted to Rep & Opp, most time used	superficial	partially relevant/correct		superficial	partially relevant/correct		superficial	some	none	-11	some incorrect,
	+ short, apt and clear, well prioritised,	good	mostly correct/prioritised	1	good	mostly correct/prioritised	24) 1111	relevant parts	many	Č.	+1	inconclusive or too long
2000	time managed efficiently	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	Z,	accurate, convinicing	fully adequate	constructive	2	deeply incorrect or shows deep misconceptions

NOTES:

IYPT = November 2022

REPORTER	Start from 1 and add/subtract
1+4,5	+ 1 - 1 = 3
0.000	

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REPOI	RT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science	DIS	CUSSION WITH OPP		ANSWERS TO JURY,
0	almost nc	almost no	almost no some	almost no some	almost no review of sources, cited	misunderstood partly	unclear, chaotic partly clear		relevant arguments/responses	reporter's conduct in the	OPPONENT, and REVIEWER'S QUESTIONS
2	fair	fair	✓ fair	•qualitative agreement	some own input	average	average	0	too few	discussion poor/aggressive	
	good	good	(g. good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done		a some	partly fine	oncise and correct or no questions asked
	detailed demonstrat ve	quite detailed, correct	or multitude of parametres	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	2	+ data/theory supported	 good some aspects efficient 	some incorrect, inconclusive or too long
	eep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	U considerable and theoretical	greater extent than expected	+ complex concepts well communicated	з	proved deep understanding	overall efficient	deeply incorrect or shows deep miscnceptions

NOTES:

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OPPONENT

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3+915-019=

Start from 1 and add/subtract

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPO	DRTER		ANSWERS TO JURY and
too few, mostly irrelevant relevant, aimed at resolving	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
unclear points in the report	almost nothing	almost none	too few	poor	almost none	too few	P pcor/aggressive	questions asked
	1 some main points	too few/many	some	reasonable	too few/many	some -	📌 some aspects fine	· · · ·
+ short, apt and c ear, well prioritised, all time used	2 main points	partially relevant	some correct	fair	 partially relevant 	some correct	good	some incorrect, inconclusive or too long
phontised, an time used	 all relevant points 	 mostly relevant 	 many correct 	 efficient 	 mostly relevant 	many correct	some aspects efficient	
NOTES:	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4 + well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

obrem (X) idrag force

6

REVIEWER Start from 1 and add/subtract 1 + $\begin{pmatrix} 1 \\ 2 \end{pmatrix}$ + $\begin{pmatrix} 2 \\ 2 \end{pmatrix}$ + $\begin{pmatrix} 1 \\ 2 \end{pmatrix}$ + $\begin{pmatrix} 1 \\ 2 \end{pmatrix}$ + $\begin{pmatrix} 1 \\ 2 \end{pmatrix}$ + $\begin{pmatrix} 2 \\ 1 \end{pmatrix}$ + $\begin{pmatrix} 1 \\ 2 \end{pmatrix}$ + $\begin{pmatrix} 2 \\ 1 \end{pmatrix}$

QL	JESTIONS ASKED	REVI	IEW OF REPORT		REV	IEW OF OPPOSIT	ION	DIS	CUSSION AN	ALYSIS	MIS	SED POINTS	ANS	WERS TO JURY
α	too few, mostly irrelevant		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POII		QUE ନ୍ୱା	STIONS concise and correct or no
A	relevant, meant to clarify unclear points	0	poor/wrong	irrelevant	8	poor/wrong	irrelevant	0	poor	irrelevant	Y	irrelevant	\cup	questions asked
P	+ suitably allottec to Rep & Opp, most time used	1	superficial	partially relevant/correct		superficial	partially relevant/correct	2	superficial	some	\bigcap	none	12	some incorrect,
	+ short, apt and crear, well prioritised,		good	mostly correct/prioritised	1	good	mostly correct/prioritised		relevant parts	məny		rale and	240	inconclusive or too long
	time managed efficiently	Ă	apt, accurate	fully adequate, well prioritised	2)	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	ful y adequate	1	relevant, constructive	2	deeply incorrect or shows deep misconceptions

NOTES:

IVPT - November 2022

	P: BARUX Gersona	Dev: 156 Vilbor Ct	a ha		D	pstream fleen Buzictuse-
REPORTER Start from 1 and add/subtract 1 + + + - =					Nortalia	Buzichorg-
REPORT phenomencn explanation theory/model relevant explanation almost nc almost no almost no almost no almost almost nc some some some some fair fair fair fair good good good good good detailed quite detailed, correct or multite parame deep and compret ensible, shows physical linsight detailed, complex, completely testable and anale NCTES: Guidtable Guidtable Guidtable Guidtable	theory and experiment t no almost no e some r qualitative agreement d quantitative agreement + ude of etres + limits discussed ined well fitting, deviations ysis analysed, conclusive <u>a</u>	almost no review of sources, cited some own input some interesting results or considerable experimental	task fulfilment scient commun misunderstood unclear, of partly x partly X partly x average average some aspects some aspects above average well d interesting overall of demonst greater extent + complex of well comm	Instantion Discussion vertex chaotic relevant chear arguments/resp. ge 0 pects some prove 1 chear, + data/theor chear, 2 chear, + data/theor concepts 3 unicated understandir	reporter's conduct in the discussion poor/aggressive partly fine good ry some aspects efficient o overall efficient	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep miscnceptions
2 to the huilder ale on?	D could have	rayou off mor	L_	Desplaines	they revide	id udeg
QUESTIONS ASKED OPPOSITION (SPEECH) too few, mostly ir elevant understanding of relevant, aimed at resolving presentation unclear points in the report almost nothing x + short, apt and clear, well prioritised, all time used all relevant points NOTES: the way	topics raised and their prioritisation own opic presen almost none too fee too few/many some compartially relevant partially relevant many compartially relevant + well prioritised + improve	ted management w poor e reasonable mrect fair orrect efficient ement + x	DISCUSSION WITH RE topics raised and the prioritisation almost none too few/many partially relevant mostly relevant + well prioritised	too few some some some correct	opponent's conduct in the discussion poor/aggressive some aspects fine good some aspects efficient overall efficient	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions
Bud barners 25 Bhr of hear force Or	- = + 7	iquegori D	Delantiel te Noisan O his quali	re molleflou feitile expe.		
QUESTIONS ASKED too few, mostly inne evant relevant, meant to clarify Linclear points + suitably allotted to Rep & Opp, most time used + short, apt and clean, well prioritised, time managed efficiently	n & ding pros & cons prioritisation ong irrelevant ial partially relevant/correct mostly correct/prioritised ate fully adequate, well prioritised	REVIEW OF OPPOSIT speech evaluation poor/wrong superficial good apt & accurate	pros & cons prioritisation irrelevant partially relevant/correct mostly correct/prioritised fully adequate, well prioritised	DISCUSSION ANALYSIS discussion evaluation poor superficial relevant parts relevant parts accurate, convinicing adequate	irrelevant none relevant, constructive	ANSWERS TO JURY QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions
NOTES: Let clannicz high is how p and trut path class 2 m Please, suitably adjust your grades taking into regard the [1,10] range		D Clearfiel + S & Qu fayree	with cory	Payree T is relevent f	for J	IYPT – Navember 2022

0,8+4,5	$- \bigcirc = \bigcirc$									
explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISC	USSION WITH OPP		ANSWERS TO JURY,
almostilo	almost no	almost no	almostino	almost no	misunderstood	unclear, chaotic		relevant		OPPONENT, and
OTHE		some	some	review of sources, cited	partly	partly clear		arguments/responses		REVIEWER'S QUESTIONS
fair	fair	fail	qualitative agreement	someowninput	average	average	0 -	too few		
good	good	good	quantitative agreement	+ some interesting results	some aspects above average			some	partly fine	concise and correct or no questions asked
detailed	quite detailed	or multitude of		or considerable	interacting	_	1 -	(an)	good	some incorrect,
	correct	<u>on</u> parametres ↑↑ examined	+ limits discussed	↑ experimental	solution	demonstrative	20	+ data/theory supported	some aspects efficient	inconclusive or too long
	detailed, complex, completely testable	U errors and analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	deeply incorrect or show deep miscnceptions
	almost no fair good detailed demonstrative and comprenensible,	phenomenon explanation almost no almost no fair good detailed demonstrative the correct almost no some fair good good detailed correct almost no some fair good good detailed correct	phenomenon explanation theory/model relevant experiments almost no almost no almost no almost no some fair fair fair fail good good good detailed quite detailed, correct or ind comprenensible, ws physical nsight completely testable completely testable or	phenomenon explanation theory/model relevant experiments comparison between theory and experiment almost no almost no almost no almost no almost no almost no almost no some good some some good good good good qualitative agreement detailed demonstrative quite detailed, correct or parametres examined multitude of parametres examined + limits discussed ws physical nsight completely testable and errors analysed conclusive	phenomenon explanation theory/model relevant experiments comparison between theory and experiment own contribution almost no almost no almost no almost no almost no almost no almost no some review of sources, cited almost no some review of sources, cited good good good good qualitative agreement some own contribution detailed quite detailed, demonstrative correct or multitude of parametres examined + limits discussed or considerable experimental well fitting, deviations considerable and errors analysed conclusive and considerable	phenomenon explanation theory/model relevant experiments comparison between theory and experiment own contribution task fulfilment almost no average average some or review of sources, cited partition average some aspects average some aspects above average some aspects above average some aspects above average solution almost no almost no almost no almost no average some aspects above average solution average solution average solution above average solution above average above average	phenomenon explanation theory/model relevant experiments comparison between theory and experiment own contribution task fulfilment science communication almost no average average average average average average average average average some aspects some aspects above average werage werage werage average average average werage average werage average werage average average average average average average average average average	phenomenon explanation theory/model relevant experiments comparison between theory and experiment own contribution task fulfilment science communication DISCI almost no misunderstood unclear, chaotic partly clear average average	phenomenon explanation theory/model relevant experiments comparison between theory and experiment own contribution task fulfilment science communication DISCUSSION WITH OPP almost no average average average average average o too few some some almost almost no almost no almost no almost no almost no </td <td>phenomenon explanation theory/model relevant experiments comparison between theory and experiment own contribution task fulfilment science communication DISCUSSION WITH OPPONENT almost no average average average average average average average average average</td>	phenomenon explanation theory/model relevant experiments comparison between theory and experiment own contribution task fulfilment science communication DISCUSSION WITH OPPONENT almost no average average average average average average average average average

1/2

OPPONENT Start tron	n 1 and a	idd/subtract									
QUESTIONS ASKED	OPPC	SITION (SPEECH)				DISCU	JSSION WITH REPO	RTER		ANSWERS TO JURY ar	nd
too few, mostly irrelevant relevant, aimed at resolving		understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIC	
unclear points in the report	0	almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	guestions asked	0, 100
+ short, apt and clear, well	1	some main points	too few/many	some	reasonable	1	too few/many	some	some aspects fine		
prioritised, all time used	2	main points	partially relevant	some correct	fair	2	partially_relevant	some correct	good	some incorrect, inconclusive or too l	long
phontised, an time used	- 10	all relevant points	mostly relevant	mapy correct	efficient	6	mostly relevant	many correct	some aspects efficient		
NOTES:	0	practically all points	+ well prioritised	+ improvement suggestions	all time dsed	4	+ well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or deep misconception	

QUESTIONS ASKED	REVIE	EW OF REPORT		REVI	EW OF OPPOSIT	TION	DIS	CUSSION AN	ALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS concise and correct or no
relevant, meant to clarify unclear points	0	poor/wrong	irrelevant	a T	poor/wrong	irrelevant	0	poor	irrelevant	a irrelevant	questions asked
+ suitably allotted to Rep & Opp, most time used	\bigcirc	supervicial	partially relevant/correct	\mathcal{O}	superficial	partial relevant/correct	2	superficial	some	none	some incorrect,
+ short, apt and clear, wel prioritised,	2	good	mostly correct/prioritised	1	good	mostly correct/prioritised	÷	relevant parts	ypen	relevant,	inconclusive or too long
time managed efficiently	3.	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	0	acectrate, convincing	adequate	constructive	 deeply incorrect or shows deep misconceptions

NOTES:

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PLF SCL

BA Hix 2. oscillating sphere opp: 15G = omella Rev - GJAD Taleas pastorea (MS3 Aug)iturk REPORTER Start from 1 and add/subtract 1 15 += 100 REPORT phenomencn comparison between science DISCUSSION WITH OPPONENT ANSWERS TO JURY, theory/model relevant experiments own contribution task fulfilment explanation theory and experiment communication reporter's **OPPONENT**, and almost no almost no almost no almost no almost no misunderstood unclear, chaotic relevant conduct in the some some some some review of sources. cited. arguments/responses **REVIEWER'S QUESTIONS** 6 partly partly clear 🛛 🥁 discussion fair fair fair qualitative agreemed 1 -4 some own input average average too few poor/aggressive concise and correct or no some aspects some aspects 6000 good good quantitative agreement + some interesting results partly fine some above average well done questions asked many good multitude of detailed quite detailed, OF or considerable overall clear. some incorrect, interesting parametres + limits discussed + data/theory some aspects demonstrative. correct solution experimental demonstrative inconclusive or too long ŵ examined supported efficient deeply incorrect or shows deep and comprehensible, detailed, complex. well fitting, deviations greater extent + complex concepts proved deep considerable errors overall efficient deep miscnceptions completely testable and shows physical insight analysed, conclusive than expected well communicated understanding and theoretical analysis NOTES: **OPPONENT** Start from 1 and add/subtract 1.75 Scenping 1 += 2 min QUESTIONS ASKED **OPPOSITION (SPEECH)** DISCUSSION WITH REPORTER ANSWERS TO JURY and understanding of too few, mostly irrelevant topics raised and their own opinions time topics raised and their opponent's conduct in **REVIEWER'S QUESTIONS** own opinions presented presentation prioritisation presented management prioritisation the discussion relevant, aimed at resolving concise and correct or no almost nothing almost none too few almost none роог too few poor/aggressive unclear points in the report questions asked some main points too few/many some reasonable too few/many some some aspects fine + short, apt and clear, well some incorrect, main points partially relevant fair some correct partially relevant 21 some correct good prioritised, all time used inconclusive or too long all relevant points mostly relevant > many correct efficient mostly relevant X many correct some aspects efficient deeply incorrect or shows NOTES: + improvement practically all points + well prioritised + well prioritised + improvement suggestions overall efficient deep misconceptions suggestions all time used) liner thickess sependent - nontrivial why dempsity structure DBuch of theory R hu Linear Dre Lifien Start from 1 and add/subtract (100h) -> 9 -> (() Lewy) rue tampile experient al REVIEWER 5 25 22 + 1 QUESTIONS ASKED **REVIEW OF REPORT** REVIEW OF OPPOSITION DISCUSSION ANALYSIS MISSED POINTS ANSWERS TO JURY discussion correct own evaluation & pros & cons POINTED OUT QUESTIONS speech pros & cons too few, mostly irrelevant evaluation opinions understanding prioritisation evaluation prioritisation concise and correct or no relevant, meant to clarify unclear points irrelevant irrelevant роог poor/wrong irrelevant poor/wrong irrelevant questions asked + suitably allotted to Rep & Opp, superficial superficial partially relevant/correct some superficial partially relevant/correct none some incorrect, most time used relevant parts many inconclusive or too long good mostly correct/prioritised mostly correct/prioritised good + short, apt and clear, well prioritised. relevant, fully accurate. fully adequate, deeply incorrect or shows time managed efficiently fully adequate, constructive apt, accurate apt & accurate convinicing adequate well prioritised well prioritised deep misconceptions - efficient have - irrelevent - firsts, parens NOTES: IYPT - Nevember 2022

Please, suitably adjust your grades taking into regard the [1,10] range

PURSC4

REPOR	RT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCL	JSSION WITH OPP		ANSWERS TO JURY,
ð	almost no	almost no	almost no	almostato	almost no review of sources, cited	misunderstood	unclear, chaotic partly clear		relevant arguments/responses	reporter's conduct in the discussion	OPPONENT, and REVIEWER'S QUESTION
9	good	fair good	good	qualitative agreement quantitative agreement	some win input + some interesting results	average some aspects above average	average some aspects well done	0	some	poor/aggressive partly fine	concise and correct of questions asked
-	detailed demonstrative	quite detailed, correct	or multitude of parametres	+ limits discussed	<u>or</u> considerable 介 ^{experimental}	interesting solution	overall clear, demonstrative	2	+ data/theory supported	some aspects efficient	some incorrect, inconclusive or too l
	eep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	deeply incorrect or s deep miscnceptions

NOTES:

REPORTER

 $\frac{OPPONENT}{1} + 1$

+25+7-

Start from 1 and add/subtract

7

=

Start from 1 and add/subtract

QUESTIONS ASKED	OPPO	SITION (SPEECH)				DISCUSSION WITH REPO	RTER		ANSWERS TO JURY and
0 too few, mostly irrelevant relevant, aim ed at resolving		understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
unclear points in the report	0	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	questions asked
C + short, apt and clear, well	1	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	some incorrect,
prioritised, a I time used	-	main points	partially relevant	some correct	fair	partially relevant	some contect	good	inconclusive or too long
prioritised, ar time used	\sim	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	ů
NOTES:	4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4 + well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

QU	QUESTIONS ASKED REVIEW C			REVIEW OF REPORT		EW OF OPPOSIT	DISCUSSION AN	ALYSIS	MISSED POINTS	ANS	WERS TO JURY	
ġ	too few, mostly irrelevant relevant, meant to clarify unclear points		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	POINTED OUT	QUE	ESTIONS concise and correct or no
2	+ suitably allottec to Rep & Opp,	9	poor/wrong superficial	irrelevant partiallerelevant/correct	ġ.	poor/wrong	irrelevant	poor superficial	irrelevant	irrelevant	v.	questions asked
	most time used + short, apt and c ear, well prioritised,	0	food	mostly correct/prioritised	\circ	superficial good	partially relevant/correct mostly correct/prioritised	relevant parts	many	none	£.	some incorrect, inconclusive or too long
2	time managed efficiently	3	apt, accurate	fully adequate, well prioritised	ž.	apt & accurate	fully adequate, well prioritised	accurate, convinicing	fully adequate	1. constructive	=2;	deeply incorrect or shows deep misconceptions

NOTES:

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	61	37	Baroinek	1-3 nlot	in 2	DJ J D	
REPORTER Start from 1 and add/ 1 + $(M_1 5) - (M_2 5)$ =	$= \underbrace{\underline{l}_{1}}_{1}$		Wire approximation	, Tor,	d'Efferent sizes	2	
REPORT phenomenon explanation theory/model almost nc almost nc almost nc some some some fair fair fair good good good deta led demonstrat ve quite detail deep and comprehensible, shows physical insight detailed, completely ter	no almost no some fair good tiled, t or multitude of parametres examined errorr	theory and experiment almost no some <i>Q</i> qualitative agreement quantitative agreement + + limits discussed well fitting, deviations	own contribution almost no review of sources, cited some own input • some interesting results or considerable experimental considerable considerable theoretical	rask runnent commu misunderstood unclear partly - partl average average average well interesting overa solution demor	ence Inication , chaotic y clear trage done Il clear, istrative x concepts municated DISCUSSION W releva arguments/r too fe som man tot fe suppor proved of understa	esponses conduct in the discussion ww poor/aggressive e partly fine y good heory some aspects efficient deep overall efficient	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep miscrceptions
too few, mostly irrelevant i relevant, aimed æ: resolving i unclear points in the report i * short, apt and clear, well i prioritised, all time used i	ITION (SPEECH) understanding of presentation pric almost nothing alm some main points too main points partie all relevant points * most	ised and their ritisation presen tost none too fe few/many som Ily relevant some co ly relevant • many co l prioritised + improv suggest	Inted management ew poor e reasonable prrect fair prrect efficient * ement +	DISCUSSION WITH R topics raised and t prioritisation almost none too few/many partially relevan mostly relevan + well prioritise	EPORTER heir own opinions presented too few some tt 5 some correct tt many correct	opponent's conduct in the discussion poor/aggressive some aspects fine good Vsome aspects efficient s overall efficient	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or toc long deeply incorrect or shows deep misconcepticns
REVIEWER 1 + A + A + QUESTIONS ASKED too few, mostly irrelevant	REVIEW OF REPORT	pros & cons prioritisation	REVIEW OF OPPOSIT speech evaluation	pros & cons prioritisation	DISCUSSION ANALYSIS discussion evaluation poor irreleval	POINTED OUT	ANSWERS TO JURY QUESTIONS concise and correct or no guestions asked
 relevant, meant to c arify unclear points + suitably allottec to Rep & Opp, most time used + short, apt and cear, well prioritised, 	poor/wrong	irrelevant partially relevant/correct nostly correct/prioritised	superficial good	irrelevant partially relevant/correct mostly correct/prioritised	superficial some relevant parts many	none relevant,	some incorrect, inconclusive or too long

Katavina Revida 1 Fyzboji 3. Lolo bract G Maly Zigo REPORTER Start from 1 and add/subtract 1 + 16 REPORT phenomeno comparison between science DISCUSSION WITH OPPONENT ANSWERS TO JURY. theory/model relevant experiments own contribution task fulfilment explanation theory and experiment communication reporter's **OPPONENT**, and almost no almost no relevant almost no 6 almost no almost no misunderstood unclear, chaotic conduct in the **REVIEWER'S QUESTIONS** arguments/responses some some some some veview of sources, cited partly partly clear discussion fair fair fair qualitative agreement some own input average average 0 too few poor/aggressive some aspects some aspects 10 concise and correct or no good good good quantitative agreement + some interesting results partly fine some well done questions asked above average many good multitude of detailed quite detailed, or considerable overall clear. some incorrect, or interesting parametres + limits discussed + data/theory d/some aspects demonstrative correct solution demonstrative inconclusive or too long experimental examined supported efficient deeply incorrect or shows deep and comprehensible, detailed complex, well fitting, deviations greater extent + complex concepts proved deep considerable errors overall efficient deep miscnceptions completely testable and shows physical insight analysed, conclusive than expected well communicated understanding and theoretical analysis NOTES: **OPPONENT** Start from 1 and add/subtract an resistance, = 6 1 + QUESTIONS ASKED **OPPOSITION (SPEECH)** DISCUSSION WITH REPORTER ANSWERS TO JURY and too few, mostly irrelevant understanding of topics raised and their own opinions time topics raised and their opponent's conduct in **REVIEWER'S QUESTIONS** own opinions presented presentation prioritisation presented management prioritisation the discussion relevant, aimed at resolving concise and correct or no 0 almost nothing almost none too few poor almost none too few poor/aggressive 1 unclear points in the report questions asked some main points too few/many some reasonable too few/many some some aspects fine + short, apt and clear, well some incorrect. main points partially relevant some correct 0 fair partially relevant some correct good prioritised, all time used inconclusive or too long mail relevant points mostly relevant many correct efficient mostly relevant many correct some aspects efficient deeply incorrect or shows NOTES: + improvement + well prioritised practically all points + well prioritised + improvement suggestions overall efficient deep misconceptions suggestions all time used REVIEWER Start from 1 and add/subtract Tadea's Pastorel G ±. 1 + = **REVIEW OF REPORT** DISCUSSION ANALYSIS **OUESTIONS ASKED REVIEW OF OPPOSITION** MISSED POINTS ANSWERS TO JURY discussion evaluation & pros & cons correct own PCINTED OUT QUESTIONS speech pros & cons too few, mostly irrelevant evaluation opinions understanding prioritisation evaluation prioritisation concise and correct or no relevant, meant to clarify unclear points irrelevant 0 irrelevant poor poor/wrong irrelevant questions asked poor/wrong irrelevant + suitably allotted to Rep & Opp, superficial some superficial partially relevant/correct superficial partially relevant/correct none some incorrect. most time used 0 relevant parts many inconclusive or too long emostly correct/prioritised mostly correct/prioritised good good 8 + short, apt and clear, well prioritised, relevant. accurate, fully deeply incorrect or shows fully adequate. fully adequate, time managed efficiently constructive convinicing apt & accurate adequate apt, accurate deep misconceptions well prioritised well prioritised

IVPT - November 2022

Smooth surface ? NOTES: Non-homogeneous vs. homogeneous Please, suitably adjust your grades taking into regard the [1,10] range

TOMÁS LUCIVJANSKY

1-Fyzboj (3-holo) Matej Zigo

REPORTER Start from 1 and add/subtract 1 + 2 + 1 - 0 = l_4

Problem 2

PORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPP		ANSWERS TO JURY,
10	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant	reporter's	OPPONENT, and
18	some	some	some	some	review of sources, cited	partly	partly clear	arguments/responses	conduct in the discussion	REVIEWER'S QUESTIONS
	fair	fair	fair	qualitative agreement	some own input	average	average	0 too few	poor/aggressive	
	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	some	partly fine	Concise and correct or a questions asked
1	detailed demonstrati⊮e	quite detailed, correct	or multitude of parametres	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	1 many + data/theory 2 2 supported	good some aspects efficient	some incorrect, inconclusive or too lon
	, ,	detailed, complex, completely testable		well fitting, deviations analysed, conclusive		greater extent than expected	+ complex concepts well communicated	3 proved deep understanding	overall efficient	-2 deeply incorrect or sho deep miscnceptions

NOTES:

OPPONENT Start from 1 and add/subtract Alex Onelha 2 7 7 1 = | + + QUESTIONS ASKED **OPPOSITION (SPEECH)** DISCUSSION WITH REPORTER ANSWERS TO JURY and too few, mostly irie evant understanding of topics raised and their 0 own opinions time topics raised and their opponent's conduct in **REVIEWER'S QUESTIONS** own opinions presented presentation prioritisation presented management prioritisation the discussion relevant, aimed at resolving concise and correct or no almost nothing almost none too few almost none 1 unclear points in the report роог too few poor/aggressive questions asked some main points too few/many some reasonable too few/many some some aspects fine + short, apt and c ear, well some incorrect, main points partially relevant some correct fair partially relevant some correct good prior tised, all time used inconclusive or too long all relevant points mostly relevant many correct efficient mostly relevant many correct some aspects efficient deeply incorrect or shows NOTES: + improvement + practically all points + well prioritised + well prioritised + improvement suggestions overall efficient deep misconceptions suggestions all time used

REV EWER Start from 1 and add/s 1 +	ubtract	0=5	Tadea	TT F	^a storek				
QUESTIONS ASKED	REVIEW OF REPORT		REVIEW O	F OPPOSIT	ION	DISCUSSION AN	ALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant relevant, meant to clarify unclear points	evaluation & understanding	pros & cons prioritisation		speech valuation	pros & cons prioritisation	discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS concise and correct or no
	opoor/wrong	irrelevant	o poc	or/wrong	irrelevant	G poor	irrelevant	irrelevant	questions asked
 + suitably allotted to Rep & Opp, most time used 	1 superficial	partially relevant/correct	su	perficial	partially relevant/correct	superficial	some	none	some incorrect,
	2 good	mostly correct/prioritised	1	good	mostly correct/prioritised	relevant parts	many	283	inconclusive or too long
+ short, apt and clear, well prioritised, time managed eff pently	apt, accurate	fully adequate, well prioritised		& accurate	fully adequate, well prioritised	accurate, convinicing	fully adequate	relevant, constructive	deeply incorrect or shows deep misconceptions

NOTES:

IYPT = November 2022

June 1.3 slice to Rosa.

+ improvement

suggestions

site of magneds r. ball

O. 7 MT 1.15 2 1 115 + + ~ A Ξ REPORT phenomenon comparison between science DISCUSSION WITH OPPONENT ANSWERS TO JURY. theory/model relevant experiments own contribution task fulfilment explanation theory and experiment communication reporter's **OPPONENT**, and almost no almost no almost no almost no misunderstood relevant almost no unclear, chaotic conduct in the some some some some review of sources, cited partly clear arguments/responses **REVIEWER'S QUESTIONS** partly discussion Ø fair fair fair qualitative agreement 2 some own input average average too few poor/aggressive concise and correct or no some aspects some aspects good good good quantitative agreement + some interesting results partly fine some above average well done questions asked many good multitude of detailed quite detailed, or considerable interesting overall clear. Ψ. some incorrect, or + limits discussed parametres + data/theory some aspects demonstrative correct solution demonstrative inconclusive or too long experimental examined efficient supported deeply incorrect or shows deep and comprehensible. oetailed, complex. well fitting, deviations greater extent + complex concepts proved deep considerable deep miscnceptions errors overall efficient completely testable and shows physical insight analysed, conclusive and than expected well communicated understanding theoretical analysis NOTES: **OPPONENT** Start from 1 and add/subtract 2 2 8 1 -015 = Unactions vectors 2 oľ 15 QUESTIONS ASKED **OPPOSITION (SPEECH)** DISCUSSION WITH REPORTER ANSWERS TO JURY and understanding of topics raised and their 0 too few, mostly irrelevant own opinions time topics raised and their opponent's conduct in **REVIEWER'S QUESTICNS** own opinions presented presentation prioritisation presented management prioritisation the discussion elevant, aimed at resolving concise and correct or no almost nothing almost none too few almost none too few poor poor/aggressive unclear points in the report questions asked some main points too few/many some too few/many reasonable some some aspects fine + short, apt and clear, well some incorrect, main points partially relevant fair some correct partially relevant some correct good prioritised, all time used inconclusive or too long all relevant points mostly relevant €. many correct efficient mostly relevant . many correct g some aspects efficient

NOTES:

REPORTER

REVIEWER Start from 1 and add/subtract 1 + 1/5 + 0/5 + 1/5 +

practically all points

Start from 1 and add/subtract

QUESTIONS ASKED	QUESTIONS ASKED REVIEW OF REPORT				ION	DISCUSSION AN	ALYSIS	MISSED POINTS		ANS	WERS TO JURY									
too few, mostly irrelevant relevant, meant to clarify unclear points	evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	POIN	NTED OUT	QUE	STIONS concise and correct cr no									
	poor/wrong	irrelevant	0 -	poor/wrong	irrelevant	0 poor	irrelevant	-1	irrelevant	U	questions asked									
+ suitably allotted to Fep & Opp, most time used	superficial	partially relevant/correct	σ	σ	superficial	partially relevant/correct	🖕 superficial	some	\bigcirc	none	-1	some incorrect,								
short, apt and clear, well prioritised,	2) good	mostly correct/prioritised			ø	ø	4	e	a		6	8	1	6	good	mostly correct/prioritised	relevant parts			relevant.
time managed effic ently	apt, accurate	fully adequate, well prioritised	2 apt & accurate		fully adequate, well prioritised	accurate, convinicing	fully adequate	constructive		2	deeply incorrect or shows deep misconceptions									

+

all time used

NOTES:

Amooth layer

+ well prioritised

6 cm ~ 9 cm

+ well prioritised

+ improvement suggestions

overall efficient

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deeply incorrect or shows

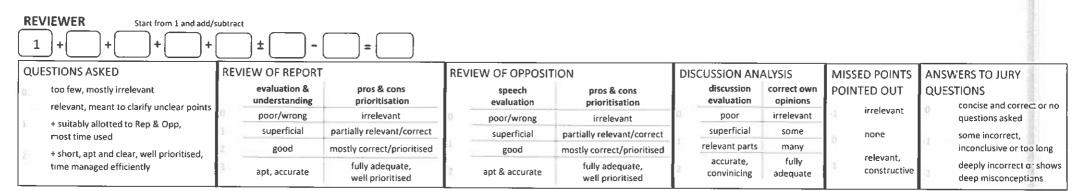
deep misconceptions

Please, suitably adjust your grades taking into regard the [1,10] range.

1 +	+	<pre>from 1 and add/subtrac </pre>									
EPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISC	USSION WITH OPP		ANSWERS TO JURY,
	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic		relevant	reporter's conduct in the	OPPONENT, and
	some	some	some	some	review of sources, cited	partly	partly clear		arguments/responses	discussion	REVIEWER'S QUESTION
	fair	fair	fair	qualitative agreement	some own input	average	average	n 1	too few	poor/aggressive	
	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done		some	partly fine	concise and correct o questions asked
			multitude of			above average		1	many	good	
	detailed demonstrative	quite detailed, correct	or parametres	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	2	+ data/theory supported	some aspects efficient	-1 inconclusive or top lo
	and comprehensible, ows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	↓ considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	-2 deeply incorrect or sh deep mischceptions

NOTES:

OPPONENT Start from	m 1 and add/subtract								
					_				
QUESTIONS ASKED	OPPOSITION (SPEECH)			0	DIS	CUSSION WITH REPO	RTER		ANSWERS TO JURY and
too few, mostly irrelevant relevant, aimed at resolving	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
1 unclear points in the report	0 almost nothing	almost none	too few	роог	0	almost none	too few	poor/aggressive	questions asked
+ short, apt and clear, well	1 some main points	too few/many	some	reasonable	1	too few/many	some	some aspects fine	some incorrect,
2 prioritised, all time used	2 main points	partially relevant	some correct	fair	2	partially relevant	some correct	good	inconclusive or top long
prioritized, on time ased	all relevant points	mostly relevant	many correct	efficient	2	mostly relevant	many correct	some aspects efficient	
NOTES:	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	 deeply incorrect cr shows deep misconcept ons



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NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.

		Fi	nale-3				() jaz	Mohammad.
REPORTER Start from	m 1 and add/subtract $=$		4				Matin	
REPORT phenomenon explanation almost no some fair gooc detailed x demonstrative deep and comprehensible, do shows physical insight i co	theory/model relevant exp almost no almost some som fair fair good [×] good	theory and exp almost n e some qualitative agre d quantitative agre d quantitative agre d some theory and exp almost n qualitative agre d ventitative agre theory and exp agree d ventitative agree d ventitative agree ventitative agree d ventitative agree d ventitati	eriment own contri almost review of sour some own eement + some interest ssed <u>Or</u> conside experim riations \downarrow conside	no misund ces, cited par input aver ting results some a above a rable interce ental solu - rable greater	Ilment communerstood unclear thy parti- age ave spects some verage well sting overa ion demon	nication , chaotic y clear rage done ll clear, strative x concepts y clear rage done ll clear, x concepts y clear rage contraction reliar rage contraction reliar rage contraction reliar rage contraction reliar rage contraction reliar rage contraction reliar rage contraction reliar rage contraction rage contra rage contraction rage contraction r	WITH OPPONENT reporter's conduct in the discussion o few poor/aggressive partly fine nany good a/theory some aspects ported efficient ed deep standing overall efficient	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep miscnceptions
NOTES: OPPONENT Start from 1 + 2 + (QUESTIONS ASKED 0 too few, mostly irrelevant relevant, aimed at reso ving 1 y unclear points in the report + short, apt and clear, well prioritised, all time usec NOTES:	n 1 and add/subtract = - =	topics raised and their prioritisation almost none too few/many partially relevant ズ mostly relevant + well prioritised	too few some some correct many correct + improvement	time anagement poor reasonable fair efficient + Il time used	CUSSION WITH R topics raised and t prioritisation almost none too few/many partially relevan mostly relevan + well prioritise	heir own opinions present too few some t some correct t many correct	poor/aggressive some aspects fine good some aspects efficient	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions
REVIEWER 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	n 1 and add/subtract		REVIEW C	DF OPPOSITION speech valuation	pros & cons prioritisation		MISSED POINTS ct own POINTED OUT	ANSWERS TO JURY QUESTIONS concise and correct or no

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IYPT – November 2022

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REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPI	1	ANSWERS TO JURY,
	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant	reporter's	OPPONENT, and
	some	some	some	some	review of sources, cited	partly	partly clear	arguments/responses	conduct in the discussion	REVIEWER'S QUESTIONS
ii	fair	fair	fair	qualitative agreement	some own input	average	average	0 too few	poor/aggressive	1
	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	some	partly fine	concise and correct or no questions asked
	detailed demonstrative	guite detailed, correct	or multitude of parametres	+ limits discussed	or considerable 介 ^{experimental}	interesting solution	overall clear, demonstrative	1 theory + data/theory 2 supported	some aspects efficient	some incorrect, inconclusive or too long
	and comprehensible, ows physical insight	detailed, complex, completely testable	and errors analys s	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts	3 proved deep understanding	overall efficient	-2 deeply incorrect or shows deep miscnceptions

NOTES:

REPORTER

1

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+ 4,3+ 1,5-

Start from 1 and add/subtract 1 + 2 + 2 - 2

Start from 1 and add/subtract

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U-	PUNEINI Start from	n 1 and	add/subtract							March 1	
1	+] + 2/0+(2) - 🔵 = 🔏						CROCCAR	MIX ADDET ke	toring Gergovo
01	ESTIONS ASKED	OPP	OSITION (SPEECH)				DISC	USSION WITH REPO	RTER		ANSWERS TO JURY and
0	too few, mostly irrelevant relevant, aimed at resolving		understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
1.	unclear points in the report	0	almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	0 questions asked
1	+ short, apt and clear, well	1	some main points	too few/many	some	reasonable	. 1	too few/many	some	some aspects fine	some incorrect.
23	prioritised, a l time used	2	main points	partially relevant	some correct	fair	. 2	partially relevant	some correct	good	-1 inconclusive or too long
1	prioritises, a rame used	3	all relevant points	mostly relevant	many correct	efficient	2	mostly relevant	 many correct 	some aspects efficient	
NO	ES:	4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	 deeply incorrect or shows deep misconceptions

REVIEWER

Start from 1 and add/subtract

31				1 1
*	A 5 -			1 2 1
P	1+1 7 5	1 + 1 / - 1	T 1 1 3 T T 1 7 C T T	

	<u>+ 15 + 2 + 15 +</u>	<u>1</u> 5]±	= 2	156							
ſ	QUESTIONS ASKED	REVIEW OF REPORT		REV	IEW OF OPPOSIT	ION	DIS	CUSSION ANA	ALYSIS	MISSED POINTS	ANSWERS TO JURY
	too few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation	1	speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions		QUESTIONS concise and correct or no
	relevant, meant to clarify unclear points	poor/wrong	irrelevant	0	poor/wrong	irrelevant	ß	poor	irrelevant	1 irrelevant	questions asked
	1 + suitably allotted to Rep & Opp, most time used	superficial	partially relevant/correct	L	superficial	partially relevant/correct		superficial	some	none	some incorrect,
	+ short, apt and clear, well prioritised,	2 good	mostly correct/prioritised	1	good	mostly correct/prioritised	Ť.	relevant parts	many	relevant,	inconclusive or too long
	time managed efficiently	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	constructive	deeply incorrect or shows deep misconceptions

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		((i)			(HR)BF	TLOVA-	
REPORTER Start from 1	and add/subtract	Ň		Cross pro	duct	-Micuch		
deep and compretensible, deta shows physical insight	eory/model relevant experiment almost no almost no some some fair fair good good ite detailed, correct 0r iled, complex, oletely testable and and add/subtract and add/subtract	quantitative agreement + so	considerable experimental considerable	task furniment misunderstood uncl partly pr some aspects above average interesting ov solution der greater extent than expected well c	science imunication lear, chaotic artly clear average me aspects vell done erall clear, nonstrative plex concepts ommunicated	DISCUSSION WIT relevant arguments/res 0 too few some 1 many 2 data/the supporte 3 proved de understanc	ponses conduct in the discussion poor/aggressive partly fine good ory some aspects efficient	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep miscnceptions
1 +	presentation p almost nothing a some main points to main points par all relevant points mode	raised and their own opinio rioritisation presented Imost none too few o few/many some tially relevant some corre sstly relevant many corre ell prioritised + improvem suggestion	I management poor reasonable ct fair ct efficient ent +	Ba mix DISCUSSION WITH topics raised ar prioritisati almost nor 1 too few/ma 2 partially relev 3 mostly relev 4 + well priorit	H REPORTER ad their own on ne any vant rant	opinions presented tao few some some correct many correct rovement suggestions	opponent's conduct in the discussion poor/aggressive some aspects fine good some aspects efficient overall efficient	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions
REVIEWER Start from 1	and add/subtract	<u></u>		1.56				

Please, suitably ad ust your grades taking into regard the [1,10] range

REPORTER Start from 1 and add/subtract 1+3,5+2,5-0 = 72

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EPORT phenomenon explanatior	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCU	SSION WITH O	PPONENT reporter's	ANSWERS TO JURY,
almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic		relevant	conduct in the	OPPONENT, and
some	some	some		review of sources, cited	partly	partly clear	a	rguments/respons	es discussion	REVIEWER'S QUESTIONS
far	fair	fair	qualitative agreement	some own input	average some aspects	average some aspects	- 0	too few	poor/aggressive	concise and correct or no
good	good	🗸 good	quantitative agreement	+ some interesting results	above average	well done	_	some	partly fine	questions asked
detailed	√quite detailed,	or multitude of		or considerable	interesting	overall clear.	1	many	good	some incorrect,
demonstrative	correct	parametres	+ limits discussed	1 experimental	solution	demonstrative	2	+ data/theory supported	some aspects efficient	inconclusive or too long
deep and comprehensible, shows physical insight	detailed, complex, completely testable	↓ e <u>and</u> errors analysis	well fitting, deviations analysed, conclusive	↓ considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	deeply incorrect or shows deep miscnceptions
	1 - 2 trole from 1 and add/subtra $+ 2 + 5 = ($	oct	n fibrzz, 18 B	g min	3 angle	lg.				
UESTIONS ASKED	OPPOSITION	(SPEECH)			DISCUSSIO	N WITH REPORTER	2			ANSWERS TO JURY and
too few, mostly irrelevant			ised and their own op	inions time		raised and their		ODD	onent's conduct in	REVIEWER'S QUESTIONS
relevant, aimed at resolvin	pres	entation prio	ritisation prese	nted management		ioritisation ow	n opinions	nreconter ''	the discussion	concise and correct or r
unclear points in the repor	- almo	st nothing alm	iost none too f	ew poor	p al	most none	too fe	w	poor/aggressive	questions asked
+ short, apt and clear, well	***		few/many son			o few/many	som	e s	ome aspects fine	some incorrect,
prioritised, a l time used	2 ma		Ily relevant some c			ially relevant	some co		good	inconclusive or too long
	3 Vall rele	evant points 🗸 most	ly relevant many c		<u>y mo</u>	stly relevant	many co	rrect son	ne aspects efficient	deeply incorrect or sho
DTES:	practica	ally all points + well	I prioritised + improv sugges		4 + we	ell prioritised + im	provement	suggestions	overall efficient	deep misconceptions
Aril 23 (C)	from 1 and add/subtra	on, chang	e of color,	angles	- Colores - Colo	$\langle \rangle$	NR)		
	+ (1,5) + (1,5)		D = 8 ~	8 1. SG						
UESTIONS ASKED	RE	VIEW OF REPORT		REVIEW OF OPPOSI	TION	DISCUS	SSION AN	ALYSIS I	VISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant		evaluation &	pros & cons	speech	pros & c	ions d	liscussion	correct own	POINTED OUT	QUESTIONS
relevant, meant to clarify u		understanding	prioritisation	evaluation	prioritisa		valuation	opinions	irrelevant	concise and correct or n
\$ <u>1</u>	U);	poor/wrong	irrelevant	o poor/wrong	irreleva	ant d	poor	irrelevant	incievant	questions asked
+ suitably allotted to Rep 8 most time used	s Upp,	superficial	partially relevant/correct	superficial	partially releva	nt/correct s	uperficial	some) none	some incorrect,
1	25	/ good / r	nostly correct/prioritised	1 / good	mostly correct/	prioritised rela	evant parts	many		inconclusive or too long
+ short, apt and clear, well time managed efficiently	i prioritised,	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adeq well prior	uate,	accurate, onvinicing	fully adequate	relevant, constructive	deeply incorrect or show deep misconceptions

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IYPT = November 2022

dipaluie chifty neuhose v REPORTER Start from 1 and add/subtract 1 phenomenon REPORT comparison between science DISCUSSION WITH OPPONENT ANSWERS TO JURY, theory/model relevant experiments own contribution task fulfilment explanation theory and experiment communication reporter's **OPPONENT**, and almost no almost no almost no almost no almost no misunderstood unclear, chaotic relevant conduct in the arguments/responses **REVIEWER'S QUESTIONS** some some some some review of sources, cited partly partly clear discussion fair fair fair qualitative agreement some own input average average too few poor/aggressive concise and correct or no some aspects some aspects good good quantitative agreement + some interesting results good some partly fine above average well done questions asked many good multitude of detailed quite detailed some incorrect. <u>or</u> considerable interesting overall clear, or + limits discussed parametre: + data/theory some aspects demonstrative solution correct demonstrative inconclusive or too long experimental \mathbf{A} exmined supported efficient deeply incorrect or shows deep and comprehensible. well fitting, deviations molex detailed greater extent + complex concepts proved deep considerable deep miscnceptions overall efficient errors and theoretical ") jvelevantne': vevedela se gromont, utn' utn' je Ch envertans b ANSWER! shows physical insight completely testable and understanding analysed, donclusive well communicated than expected analysis NOTES: **GPPONENT** Start from 1 and add/subtract 1 **OPPOSITION (SPEECH)** DISCUSSION WITH REPORTER QUESTIONS ASKED ANSWERS TO JURY and understanding of topics raised and their too few, mostly irrelevant own opinions topics raised and their time opponent's conduct in **REVIEWER'S QUESTIONS** own opinions presented prioritisation presentation presented management prioritisation the discussion concise and correct or no relevant, aimed at resolving almost none almost nothing too few almost none too few poor/aggressive DOOL unclear points in the report questions asked some aspects fine some main point too few/man some reasonable too few/many some + short, apt and clear, well some incorrect. main points partially relevant some contect fair partially relevant some correct good prioritised, all time used inconclusive or too long all relevant points many correct mostly relevant officient mostly relevant many correct some aspects efficient deeply incorrect or shows NCTES: + improvement practically all points + well prioritised + well priocitised + improvement suggestions overall efficient deep misconceptions all time used suggestions prove Deleuc - fomer + destance of faibe 2/2 ier REVIEWER Start from 1 and add/subtract ± QUESTIONS ASKED **REVIEW OF REPORT REVIEW OF OPPOSITION** DISCUSSION ANALYSIS MISSED POINTS ANSWERS TO JURY evaluation & discussion correct own POINTED OUT QUESTIONS pros & cons speech pros & cons too few, mostly irrelevant evaluation opinions understanding prioritisation evaluation prioritisation concise and correct or no relevant, meant to clarify unclear points irrelevant poor irrelevant questions asked poor/wrong irrelevant poor/wrong irrelevant + suitably allotted to Rep & Opp, superficial some superficial partially relevant/correct superficial partially relevant/correct none some incorrect. most time used relevant parts many inconclusive or too long mostly correct/prioritised good good mostly correct/prioritised + short, apt and clear, well prioritised, relevant. fully accurate. deeply incorrect or shows fully adequate, fully adequate, time managed efficiently constructive apt & accurate apt, accurate convinicing adequate deep misconceptions well prioritised well prioritised

NOTES:

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PLESCH F3

EP DRT phenomenon explanation almost no some Tair geod	theory/model almost no some fair (good)	relevant experin almost no some fair good	comparison i theory and ex almost some qualitative a quantitative a	no revenent	own contribution almost no view of sources, cited some own input ome interesting results	task fulfilment misunderstood partly average some aspects above average	science communication unclear, chao partly clear average some aspect well done	tic re argumen s 0 to	I WITH OP elevant hts/response po few some	reporter's	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS concise and correct or no questions asked
deta led demonstrative deep and comprehensible,	quite detailed, correct detailed, complex,	Or multitude of parametre examined	s + limits dis	Î		interesting solution greater extent	overall clear demonstrativ + complex conc	re 🔿 + da sup	ta/theory ported ved deep	good some aspects efficient	 some incorrect, inconclusive or too long deeply incorrect or show deep miscrceptions
-++++++++++++++++++++++++++++++++++++++	om 1 and add/subtr	= (1)	Ø								
(T)	OPPOSITION	· · · ·					WITH REPOR	RTER			ANSWERS TO JURY and
too few, mostly irrelevant relevant, aimed at resolving	unde pre	· · · ·	ics raised and their prioritisation almost none	own opinio presente too few	d management	topics ra	I WITH REPOR aised and their pritisation host none	TER own opinions presen too few	ted 1	onent's conduct in the discussion	REVIEWER'S QUESTION
too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and clear, well	Under pre 0 almo 1 some	rstanding of tep esentation ost nothing main points	prioritisation	presente	ed management poor reasonable	topics rapics price alm too	aised and their pritisation	own opinions presen	ted 1		REVIEWER'S QUESTION concise and correct or questions asked some incorrect,
relevant, aimed at resolving unclear points in the report	under pre 0 almo 1 some 2 ma 3 all rel	rstanding of tep sentation ost nothing main points ain points ant points	prioritisation almost none too few/many	presente too few some	ed management poor reasonable ect fair ett efficient hent +	topics rapris pris 0 alm 1 too 2 partia 3 mos	aised and their pritisation nost none few/many ally relevant tly relevant	own opinions presen too few some	ted 1 p so	the discussion oor/aggressive me aspects fine	REVIEWER'S QUESTION concise and correct or questions asked some incorrect, inconclusive or too lor
too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and clear, well prioritised, all time used TES: EVIEWER Start fro 1 + O(5) + 2 + 2 + 3	under pre 0 almo 1 some 2 ma 3 all rel 4 practic	act VIEW OF REPO evaluation &	prioritisation almost none too few/many partially relevant mostly relevant + well prioritised	presente too few some some corre many corre + improven suggestion	ed management poor reasonable ect fair ett efficient hent + ns all time used	topics rapid	bised and their pritisation nost none few/many ally relevant thy relevant prioritised DIS	own opinions present too few some some correct many correct + improvement sugges	som tions o	the discussion oor/aggressive me aspects fine good e aspects efficient	REVIEWER'S QUESTION concise and correct or questions asked some incorrect, inconclusive or too lon deeply incorrect or sho
too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and clear, well prioritised, all time used TES: VIEWER Start fro 1 + O + + + + ESTIONS ASKED too few, mostly irrelevant relevant, meant to clarify un	under pre 0 almo 1 some 2 ma 3 all rel 4 practic	rstanding of tep isentation tep isentation ost nothing main points iain points iain points iaily all points iain points iain points iain points iain points iain points iain points iain points iaily all points iain points	prioritisation almost none too few/many partially relevant mostly relevant + well prioritised RT pros & co prioritisat irrelevant	presente too few some some corre many corre + improven suggestion	ed management poor reasonable ect fair e)t efficient hent + ns all time used	topics rapids alm alm too partia mos + web	hised and their pritisation host none few/many ally relevant ty relevant prioritised	own opinions present too few some some correct many correct + improvement sugges CUSSION ANALYSI discussion evaluation opi poor irre	S S S S S S S S S S S S S S	the discussion toor/aggressive me aspects fine good e aspects efficient overall efficient	REVIEWER'S QUESTION concise and correct or questions asked some incorrect, inconclusive or too lon deeply incorrect or sho deep misconceptions
too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and clear, well prioritised, all time used DTES: $EVIEWER \qquad \text{Start from 1} + O(\mathcal{G}) +$	under pre 0 almo 1 some 2 ma 3 all rel 4 practic	act VIEW OF REPO evaluation & understanding	prioritisation almost none too few/many partially relevant mostly relevant + well prioritised	presente too few some some corre many corre + improven suggestion	ed management poor reasonable ect fair e)t efficient hent + ns all time used	TION	ised and their pritisation nost none few/many ally relevant ty relevant prioritised DIS ion nt t/correct	own opinions present too few some some correct many correct + improvement sugges	S S N P N N N N N N N N N N N N N N N N	the discussion oor/aggressive me aspects fine good e aspects efficient overall efficient	REVIEWER'S QUESTION concise and correct or questions asked some incorrect, inconclusive or too lor deeply incorrect or sh deep misconceptions ANSWERS TO JURY QUESTIONS concise and correct or

NCTES:

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Rep: CP: Mit	ith					53
REPORTER A Start from 2	and add/subtract				R	RTCO YOU
almost no almost no fa r good detailed to deep and comprehensible, deta shows physical insight com	eory/model relevant experiments comparison between theory and experiments almost no almost no almost no some some some fair fair qualitative agreement good good good ite detailed, correct or parametres examined multitude of parametres examined iled, complex, bletely testable or and multitude of parametres examined Milentity testable and and add/subtract or blattely testable	almost no review of sources, cited some own input + some interesting results or considerable experimental considerable and theoretical	task fulfilment scienc communic misunderstood unclear, cl partly partly cl average averag some aspects above average well do interesting solution demonstr greater extent than expected + complex co well commu	ation haotic ear sects ne X lear, ative bncepts nicated Discussion within relevant arguments/respo too few some many + data/theory supported proved deep understanding	reporter's conduct in the discussion poor/aggressive partly fine good some aspects efficient	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep miscnceptions
1 + QUESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and clear, well prioritised, all time used NOTES:	presentation prioritisation presentation almost nothing almost none too some main points too few/many some main points partially relevant some all relevant points mostly relevant many practically all points + well prioritised + imple	ppinions time sented management o few poor ome reasonable correct fair correct efficient overnent + all time used	DISCUSSION WITH REP topics raised and thei prioritisation almost none too few/many partially relevant mostly relevant + well prioritised	7 ORTER r own opinions presented a too few some some correct	pponent's conduct in the discussion poor/aggressive some aspects fine good ome aspects efficient overall efficient	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions
	the or hot finite tall engles Contruction for yes and add/subtract + And the - = +	her whalk () strys of colored livy e such environm	1 uly just green Ci 7. vanige Jot arc Of exact are & 1/ whee f 13 land Simstering in	turied, fereory is ral augle of the	libear-suly idenel : >0	Locuthit still 2 45°, swold be, Roger
QUESTIONS ASKED too few, mostly irrelevant relevant, meant to clarify unclea + suitably allotted to Rep & Opp most time used + short, apt and clear, well prior time managed efficiently	poor/wrong irrelevant superficial partially relevant/correct good mostly correct/origitised	good apt & accurate	ON pros & cons prioritisation irrelevant partially relevant/correct mostly correct/prioritised fully adequate, well prioritised		MISSED POINTS POINTED OUT irrelevant none relevant, constructive	ANSWERS TO JURY QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions
NOTES:	is good spectice	D Cicpl phiohi	Istar			IYPT – November 202

Finale - 2

Jaz Mohammad.

Victor

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1 +	3+1	=									Victor
EPORT	ph <mark>enomencn</mark> explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCU	JSSION WITH OPP		ANSWERS TO JURY,
	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic		relevant	reporter's conduct in the	OPPONENT, and
-	some	some	some	some	review of sources, cited	partly	partly clear	a	arguments/responses	discussion	REVIEWER'S QUESTIONS
	fair	fair	fair	qualitative agreement	some own input	average	average	o –	too few	poor/aggressive	
	good	a good	x good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	° = -	some	partly fine	concise and correct or questions asked
4	detailed	quite detailed,	multitude of	-	an considerable	~	66.0	1	many	good	
	demonstrative	correct	or parametres examined	+ limits discussed	or considerable ↑ experimental	interesting solution	overall clear, demonstrative	2	+ data/theory supported	some aspects efficient	some incorrect, inconclusive or too lor
	, ,	detailed, complex, completely testable	U errors and analysis	well fitting, deviations analysed, conclusive	↓ considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	 -2 deeply incorrect or sh deep miscnceptions

NOTES:

1

OPPONENT +

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REPORTER

Start from 1 and add/subtract 2 2

Start from 1 and add/subtract

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	QUESTIONS ASKED	OPP	OSITION (SPEECH)				DISCL	JSSION WITH REPO	RTER		ANS	SWERS TO JURY and
	too few, mostly irrelevant relevant, aimed at resolving		understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REV	/IEWER'S QUESTIONS
ŀ	A unclear points in the report	0	almost nothing	almost none	too few	роог	0	almost none	too few	poor/aggressive	0	questions asked
ľ	+ short, apt and c ear, well	1	some main points	too few/many	some	reasonable	1	too few/many	some	some aspects fine		some incorrect.
	2 prioritised, all time used	2	🔬 🛛 main points	partially relevant	some correct	fair	2 N	partially relevant	some correct	good	-1	inconclusive or too long
l	prioritised, dir time used	2	all relevant points	mostly relevant	many correct	efficient	3 (A)	mostly relevant	many correct	some aspects efficient		Ŭ
ľ	NOTES:	4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	-2	deeply incorrect or shows deep misconceptions

REVIEWER

Start from 1 and add/subtract

\leq														
QU	ESTIONS ASKED	REVI	EW OF REPORT		RE	EVIEW	V OF OPPOSIT	ION	DIS	CUSSION AN	ALYSIS	MISSED POINTS	ANSV	VERS TO JURY
01	too few, mostly irrelevant		evaluation & understanding	pros & cons prioritisation			speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POINTED OUT	QUES	STIONS
	relevant, meant to clarify unclear points	0	poor/wrong	irrelevant	0		poor/wrong	irrelevant	0	poor	irrelevant	irrelevant	0	concise and correct or no questions asked
1	+ suitably allotted to Rep & Opp, wost time used	1	superficial	partially relevant/correct			superficial	partially relevant/correct	1	superficial	some	none		some incorrect,
	+ short, apt and clear, well prioritised,	2 🛪	good	mostly correct/prioritised	1	×	good	mostly correct/prioritised	x	relevant parts	many	relevant,	-	inconclusive or too long
6	time managed eff ciently	3	apt, accurate	fully adequate, well prioritised	2	а	apt & accurate	fully adequate, well prioritised	2.	accurate, convinicing	fully adequate	constructive	22	deeply incorrect or shows deep misconceptions

NCTES:

EPORT phenomenon explanation almost no some fair	theory/model	relevant evnerimente	comparison between			science	DISCUSSION WIT	U ODDONENT	ANSWERS TO HURY
some		relevant experiments	theory and experiment	own contribution	task fulfilment	communication		reporter's	ANSWERS TO JURY, OPPONENT, and
	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevan	conduct in the	
	some	some	some	review of sources, cited	partly	partly clear	arguments/res	discussion	REVIEWER'S QUESTIONS
1011	fair	fair	qualitative agreement	some own input	average	average	0 too few	poor/aggressive	concise and correct or r
good	good	e good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	some	partly fine	questions asked
		multitude of		<u>.</u>			1 🗙 many	🖌 good	
detailed demonstrative	quite detailed, correct	or, parametres	+ limits discussed	or considerable ① experimental	interesting solution	overall clear, demonstrative	+ data/the supporte		some incorrect, inconclusive or too long
	detailed, complex, completely testable	and errors	well fitting, deviations analysed, conclusive	considerable	greater extent than expected	+ complex concepts well communicated	3 proved de understanc	· overall efficient	deeply incorrect or sho deep miscnceptions
						CROY	SS PROJUCT	Luizo l	anra Lauri Lovi
	OPPOSITION	· · ·	ised and their own or	ninions time		N WITH REPORTER		J	ANSWERS TO JURY and
too few, mostly irrelevant	unders	tanding of topics ra	ised and their own opritisation prese		topics r	N WITH REPORTER	opinions presented	apponent's conduct in the discussion	ANSWERS TO JURY and REVIEWER'S QUESTION
too few, mostly irrelevant relevant, aimed at resolving	unders pres	tanding of topics ra entation prio		nted management	topics r	N WITH REPORTER		J opponent's conduct in	ANSWERS TO JURY and REVIEWER'S QUESTION
too few, mostly irrelevant relevant, aimed at resolving unclear points in the report	unders prese 0 almos	tanding of topics ra entation prio t nothing alm	ritisation prese	few poor	topics r pri	N WITH REPORTER raised and their oritisation	opinions presented	J apponent's conduct in the discussion	ANSWERS TO JURY and REVIEWER'S QUESTION concise and correct or questions asked
too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and clear, well	unders press 0 almos 1Some n	tanding of topics ra entation prio t nothing alm nain points too f	ritisation prese ost none too	rented management few poor ne reasonable	topics r pri 0 alı	N WITH REPORTER raised and their oritisation most none	n opinions presented too few	J apponent's conduct in the discussion poor/aggressive	ANSWERS TO JURY and REVIEWER'S QUESTION concise and correct or questions asked some incorrect,
relevant, aimed at resolving unclear points in the report	unders pres 0 almos 1	tanding of entation topics ra- prio t nothing alm nain points too f n points partia	ritisation prese ost none too ew/many sou	reasonable few poor ne reasonable forrect fair	topics r pri 0 alu 1 toc 2 × parti	N WITH REPORTER raised and their coritisation own most none ofew/many	too few some	J apponent's conduct in the discussion poor/aggressive some aspects fine	ANSWERS TO JURY and REVIEWER'S QUESTION concise and correct or questions asked

poor/wrong

superlicial

good

apt & accurate

irrelevant

partially relevant/correct

mostly obrrect/prioritised

fully adequate,

well prioritised

time managed eff ciently

+ short, apt and clear, well prioritised,

IYPT = November 2022

questions asked

some incorrect,

inconclusive or too long

deep misconceptions

deeply incorrect or shows

1. 1.

none

relevant,

constructive

X

some

many

adequate

X fully

superficial

relevant parts

convinicing

🕆 accurate,

Please, suitably adjust your grades taking into regard the [1,10] range.

poor/wrong

superficial

Rood

apt, accurate

partially relevant/correct

mostly correct/prioritised

Well prioritised

NOTES:

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REPORTER	Start from 1 and add/subtract
1+317+	
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1. SG - Crontor

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPP		ANSWERS TO JURY,
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant	reporter's conduct in the	OPPONENT, and
1	some	some	some	some	review of sources, cited	partly	partly clear	arguments/responses	discussion	REVIEWER'S QUESTIONS
2	fair	good	fair	qualitative agreement quantitative agreement	+ some interesting results	average some aspects above average	some aspects well done	0 too few	poor/aggressive partly fine	concise and correct or no questions asked
5	detāiled demonstrati v e	quite detailed, correct	or multitude of parametres	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	1 many + data/theory 2 supported	good some aspects efficient	1 some incorrect, inconclusive or too long
	p and comprehensible, hows physical insight	detailed, complex, completely testable	↓ and errors analysis	well fitting, deviations analysed, conclusive	↓ considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3 proved deep understanding	overall efficient	-2 deeply incorrect or shows deep miscnceptions

NOTES:

1

OPPONENT ÷

ENT	Start	fro	m 1 and add/s	ubtract		
15+	2	+	15-	$\overline{\mathbb{O}}$) = (

Chorr me	duct -	LauriEaua
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Bamix - Zigo

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCI	USSION WITH REPO	RTER		ANSWERS TO JURY and
too few, mostly irrelevant relevant, aimed at resolving	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S OUESTIONS
unclear points in the report	A almost nothing	almost none	too few	poor	0	almost none	too fe <u>w</u>	poor/aggressive	questions asked
+ short, apt and clear, well	1 some main points	too few/many	some	reasonable	1	too few/many	some	some aspects fine	some incorrect,
prioritised, all time used	2 (main points)	partially relevant	some correct	fair	2	partially relevant	some correct	good	-1 inconclusive or too long
prioritised, an time used	all relevant points	mostly relevant	many correct	efficient	50	mostly relevant	many correct	some aspects efficient	
NOTES:	4 practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	 deeply incorrect or shows deep misconceptions

REVIEWER Start from 1 and add/subtract

			_				-	
QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSIT	ION	DISCUSSION AN	ALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS
relevant, meant to clarify unclear points	0 poor/wrong	irrelevant	0 poor/wrong	irrelevant	0 poor	irrelevant	irrelevant	questions asked
+ suitably allotted to Rep & Opp, most time used	1 superficia	partially relevant/correct	superficial	partially relevant/correct	superficial	some	D none	some incorrect,
+ short, apt and clear, well prioritised,	2 good	mostly correct/prioritised	1 good	mostly correct/prioritised	relevant parts	fully	relevant,	inconclusive or too long
time managed efficiently	3 apt, accurate	fully adequate, well prioritised	2 apt & accurate	fully adequate, well prioritised	2 convinicing	adequate	1 constructive	deeply incorrect or shows deep misconceptions

NOTES:

IYPT = November 2022

REPORTER Start from 1 and add/subtract 1+35+415--1=5~~5

1	+3,5+115	1 = 5	- ~5	1. SG	1					
REPORT	T phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science	DISCUSSION W		ANSWERS TO JURY,
	almost no some	almost no some	almost no some	almost no	almost no review of sources, cited	misunderstood partly	unclear, chaotic partly clear	releva arguments/re	conduct in the	OPPONENT, and REVIEWER'S QUESTIONS
	fair	V fair	fair	qualitative agreement	some own input	average	average	0 too fe	the second se	
¥	good	good	V good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	some		concise and correct or n questions asked
1.	detailed .	quite detailed,	or multitude of		or considerable	0		1 many	/ good	some incorrect.
i	demonstrative	correct	or parametres	+ limits discussed	experimental	interesting solution	overall clear, demonstrative	+ data/th 2 support	· · · · · · · · · · · · · · · · · · ·	inconclusive or too long
	p and comprehensible, hows physical insight	detailed, complex, completely testable	↓↓ and errors analysis	well fitting, deviations analysed, conclusive	↓ considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3 proved d understar		-2 deeply incorrect or show deep miscnceptions
OTES:		nn I	in in lit	1:1						
PPO 1 +	NENT Start 1	from 1 and add/subtrac)=6~	fill levans .(g (·) × (· ·)	DISCUSSIO				
PPOI	NENT Start	from 1 and add/subtrac + 1 - 0 OPPOSITION	(SPEECH)	())	-		N WITH REPORTEI		opponent's conduct in	ANSWERS TO JURY and
PPOI	NENT Start 4_{15} + 2_{15} ONS ASKED	from 1 and add/subtrac + (1) - (1) OPPOSITION underst prese	(SPEECH) tanding of entation prior	ised and their own opi preserver	inions time nted management	topics r	aised and their oritisation	n opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTION
PPOI	NENT Start 4(15) + 2(5) ONS ASKED o few, mostly irrelevant	from 1 and add/subtrac + 1 - 0 OPPOSITION underst prese almost	(SPEECH) tanding of entation prior t nothing almo	ised and their own opi ritisation preser ost none too fo	inions time nted management iew poor	topics of pri	raised and their ow oritisation ow	too few	the discussion poor/aggressive	REVIEWER'S QUESTION
1 + UESTI too rel \$ un	NENT Start $4\sqrt{15} + \sqrt{215}$ ONS ASKED o few, mostly irrelevant levant, aimed at resolvin	from 1 and add/subtrac + 1 - 0 OPPOSITION undersi prese almost 1 - some m	(SPEECH) tanding of entation prior t nothing almo nain points too for	ised and their own opi preserver	inions time nted management iew poor ne reasonable	topics r pri ali 1 too	aised and their oritisation	n opinions presented	the discussion	REVIEWER'S QUESTIONS concise and correct or r

NOTES:

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Lin Mrochal, Nof holes 16 Ba mix

+ well prioritised

+

all time used

+ improvement

suggestions

+ improvement suggestions

overall efficient

graph. + , velt REVIEWER (175) 755t from 1 and add/subtract |+(1,5)+(1,6) ±(0 0 = 6AFT

+ well prioritised

practically all points

C	UESTIONS ASKED	REVIEW	OF REPORT		REVIEW OF OPPOSIT	ION	DISCUSSION AN	ALYSIS	MISSED POINTS	ANSWERS TO JURY
¢.	too few, mostly irrelevant	un	valuation &	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions		QUESTIONS concise and correct or no
	relevant, meant to clarify unclear points		oor/wrong	irrelevant	0 poor/wrong	irrelevant	o poor	irrelevant	irrelevant 🗧	questions asked
r.	 + suitably allotted to Rep & Opp, most time used 	1 5	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	none	some incorrect,
	+ short, apt and clear, well prioritised.	2 .	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many		inconclusive or too long
23	time managed efficiently	ap	ot, accurate	fully adequate, well prioritised	2 apt & accurate	fully adequate, well prioritised	accurate, convinicing	fully adequate	relevant, constructive	deeply incorrect or shows deep misconceptions

IYPT - November 2022

deeply incorrect or shows

deep misconceptions

Please, suitably adjust your grades taking into regard the [1,10] range.

NO theory 2 Indenie buits REPORTER Start from 1 and add/subtract 1 Δ + = phenomenon REPORT comparison between science DISCUSSION WITH OPPONENT ANSWERS TO JURY. theory/model relevant experiments own contribution task fulfilment explanation theory and experiment communication reporter's **OPPONENT**, and almost no almostero almost no almost no almost no misunderstood relevant unclear, chaotic conduct in the some ome some some review of sources, cited partly clear arguments/responses REVIEWER'S OUESTIONS partly discussion fair fair qualitative agreement some own input average average *too few poor/aggressive some aspects some aspects concise and correct or no good good good quantitative agreement + some interesting results some partly fine above average well done questions asked many good multitude of detailed quite detailed. or or considerable interesting overall clear, some incorrect, + limits discussed parametres + data/theory demonstrative correct some aspects experimental solution demonstrative inconclusive or too long examined supported efficient deeply incorrect or shows deep and comprehensible, detailed, complex, well fitting, deviations considerable greater extent + complex concepts proved deep errors overall efficient deep miscnceptions completely testable and shows physical insight analysed, conclusive well communicated and than expected understanding theoretical analysis NOTES: to tran detailon partiety done. NO DA **OPPONENT** Start from 1 and add/subtract 1 **OUESTIONS ASKED OPPOSITION (SPEECH)** DISCUSSION WITH REPORTER ANSWERS TO JURY and understanding of too few, mostly irrelevant topics raised and their own opinions topics raised and their time opponent's conduct in **REVIEWER'S QUESTIONS** own opinions presented presentation prioritisation presented management prioritisation the discussion relevant, aimed at resolving concise and correct or no almost none almost nothing the few almost none unclear points in the report poor too few poor/aggressive questions asked some main points 100 few/many some repronable too few/many some some aspects fine + short, apt and clear, well some incorrect. cartially relevant main points some correct fair partially relevant some correct good prioritised, all time used inconclusive or too long all relevant points mostly relevant many correct efficient mostly relevant many correct some aspects efficient deeply incorrect or shows NOTES: + improvement practically all points + well prioritised + well prioritised + improvement suggestions overall efficient deep misconceptions suggestions all time used Ethers prhible?? Autismal sprice fielwere! fit! verush site REVIEWER Start from 1 and add/subtract 1 ± = **CLESTIONS ASKED REVIEW OF REPORT REVIEW OF OPPOSITION** DISCUSSION ANALYSIS MISSED POINTS ANSWERS TO JURY evaluation & pros & cons neech discussion correct own POINTED OUT too few, mostly irrelevant pros & cons QUESTIONS nderstanding evaluation opinions prioritisation valuation prioritisation concise and correct or no relevant, meant to clarify unclear points irrelevant poor/wong irrelevant irrelevant 1000 oor/wrong irrelevant questions asked + suitably allotted to Rep & Opp, werficial partially relevant/correct superficia some soperficial partially relevant/correct none some incorrect. most time used relevant parts many mostly correct/prioritised mostly correct/prioritised inconclusive or too long good good + short, apt and clear, well prioritised. relevant. fully accurate, fully adequate. fully adequate, deeply incorrect or shows time managed efficiently constructive apt & accurate apt, accurate convinicing adequate well prioritised well prioritised deep misconceptions NCTES: IVPT ~ November 2022 reform mere

PLESCIL

s	iost nc ome	almost no some		almost no	theory and experiment almost no	almost no	and a surplice of a sector of the	communication				
		some				Gilliostino	misunderstood	unclear, chaotic		relevant	reporter's	OPPONENT, and
(1				some	some	review of sources, cited	partly	partly clear	ar	guments/responses	conduct in the discussion	REVIEWER'S QUESTIONS
	fair	- ([†]) -		fair	qualitative agreement	some own input	average	average	0 -	too few	poor/aggressive	
g	lood	good		good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done		some	partly fine	concise and correct or questions asked
dat	tailed	quite detailed,		multingle of			_		1	many	600	
	nstrat ve	correct	01	parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	20	+ data/theory supported	some aspects efficient	some incorrect, inconclusive or too lon
•	omprehensible, ysical insight	detailed, complex, completely testable	认 <u>and</u>	errors analysis	well fitting, deviations analysed, conclusive	↓ considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	deeply incorrect or sho deep miscnceptions

FZ

QUESTIONS ASKED	OPPO	SITION (SPEECH)	1		,	DISCU	JSSION WITH REPO	RTER		ANSWE	RS TO JURY and
too few, mostly irrelevant relevant, aimed at resolving	_	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion		ER'S QUESTIONS
1 unclear points in the report	0	almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	0	estions asked
+ short, apt and clear, well	1	some main points	too few/many	some	reasonable	1	too few/many	some	some aspects fine		
² prioritised, all time used	0	maip-points	partial	someCorrect	fair	$\mathcal{O}_{\mathcal{I}}$	partia	somecorect	good	- 1	ne incorrect, onclusive or too long
provinsed, an time used	G	all releva tooints	mostlykelevant	many correct	efficient	5	mostly relevant	many correct	some aspects efficient		
OTES:	4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	- 3	+ well prioritised	+ improvement suggestions	overall efficient	2	deeply incorrect or shows deep misconceptions

REVIEWER Start from 1 and add/subtract 1 + (1,5) + (1,2) + (1,3) + (0,5) ± = 6

Start from 1 and add/subtract

QUESTIONS ASKED	REVI	EW OF REPORT		REVIE	W OF OPPOSIT	ION	DIS	CUSSION AN/	ALYSIS	MISSED POIN	TS	ANSWERS TO JURY
too few, mostly irrelevant relevant, meant to clarify unclear points		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POINTED OU		QUESTIONS concise and correct or no
	0	poor/wrong	irrelevant	2	poor/wrong	irrelevant	0	poor	irrelevant	=1 irrelevar	nt	questions asked
+ suitably allotted to Rep & Opp, most time used	5	superficial	partially relevant/correct		superficial	partially relevant/correct	\mathcal{O}	superficial	some	none	1	some incorrect,
+ short, apt and clear, well prioritised,	\odot	e@d	mostly correct/prioritised	$\overline{\mathcal{O}}$	good)	mostly correct/prioritised	1	re evant parts	many			inconclusive or too long
time managed efficiently	3	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	construc		deeply incorrect or show deep misconceptions
NCTES:		·					1	hisale.	Lood			IYPT = November 202

Please, suitably adjust your grades taking into regard the [1,10] range.

REPORTER

REPORTER Start From 1 and add,	/subtract				
REPORT phenomenon explanation theory/model almost nc almost nc almost nc almost nc almost nc almost nc fair fair fair good good good detailed quite detail correct deep and comprehensible, shows physical insight detailed, con completely te	theory and experiment theory and experiment almost no some some review fair qualitative agreement som good quantitative agreement + some i under the or good led, or multitude of parametres examined errors well fitting, deviations (construction) well fitting, deviations (construction)	almost no misunderstood of sources, cited partly ne own input average some aspects above average xperimental solution onsiderable greater extent theoretical than expected	science communication unclear, chaotic partly clear average Discussion W gartly clear average arguments/r box o too fe some some aspects well done som overall clear, demonstrative + data/ti suppor + complex concepts well communicated proved d understa	esponses conduct in the discussion discussion we poor/aggressive e partly fine y good heory some aspects efficient deep overall efficient	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep miscnceptions
too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and cear, well prioritised, all time used	/subtract	time management topics r poor 0 reasonable 1 fair 2 x efficient 3 + all time used	WITH REPORTER ised and their ritisation ost none too few ew/many some lly relevant some correct prioritised + improvement suggestion:	opponent's conduct in the discussion poor/aggressive some aspects fine good some aspects efficient	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions
Di aut	agree when no quart tenedy east plats & Expendencies st wel subtract 2.2 ± - = 5 1		- Kot luorgi lip. lette ho hydel on t /correct b b correct correct b correct b correct corect correct corect correct correct core	s irrelevant	
time managed eff ciently	apt, accurate fully adequate, well prioritised 2 absolute mistin 2rev ston Lity (of presentation	apt & accurate fully adequivel priorit Defuort theory ist	sed convincing adequat	e relevant, e constructive	deeply incorrect or shows deep misconceptions

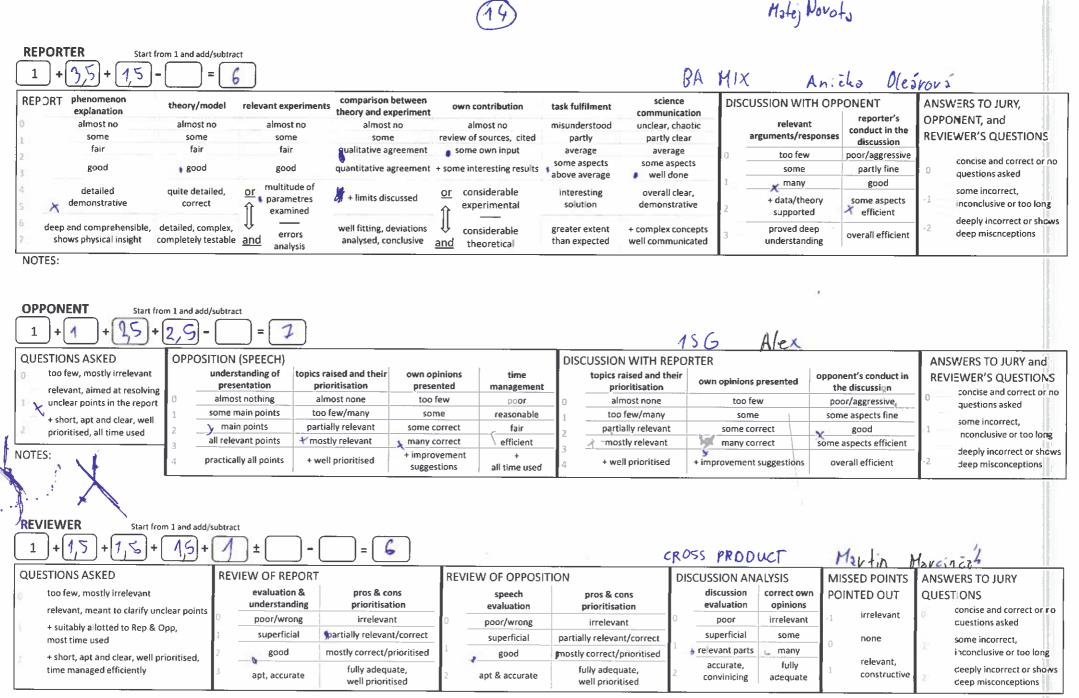
ΞĒ

explanation theory and experiment theory and experiment communication relevant reporter's OPP	SWERS TO JURY, PONENT, and VIEWER'S QUESTION: concise and correct or questions asked some incorrect, inconclusive or too lor deep y incorrect or shi deep miscnceptions
some some some some some review of sources, cited partly partly partly clear average averad averad <th>concise and correct or questions asked some incorrect, inconclusive or too lor deep y incorrect or sh</th>	concise and correct or questions asked some incorrect, inconclusive or too lor deep y incorrect or sh
fair fair qualitative agreement some own input average average <th< td=""><td>questions asked some incorrect, inconclusive or too lo deep y incorrect or sh</td></th<>	questions asked some incorrect, inconclusive or too lo deep y incorrect or sh
good good <thgood< th=""> good good</thgood<>	questions asked some incorrect, inconclusive or too lo deep y incorrect or sh
detailed demonstrative quite detailed, correct or parametres examined errors analysis multitude of parametres examined errors analysis + limits discussed or proved decep and considerable experimental considerable and well done experimental considerable and or proved decep theoretical overall clear, demonstrative overall clear, demonstrative <thoverall clear,<br="">demonstrative overall clea</thoverall>	some incorrect, inconclusive or too lo deep y incorrect or sh
demonstrative correct demonstrative correct deep and comprehensible, detailed, complex, shows physical insight completely testable and errors analysed, conclusive and theoretical the	inconclusive or too lo deep y incorrect or sh
deep and comprehensible, detailed, complex, shows physical insight completely testable and errors analysis analysed, conclusive and theoretical than expected well communicated 3 proved deep understanding overall efficient -2 TES:	
PONENT Start from 1 and add/subtract	
too few, mostly irrelevant understanding of topics raised and their own opinions time topics raised and their opponent's conduct in DE	ISWERS TO JURY and VIEWER'S QUESTIO
relevant, aimed at resolving presentation prioritisation presented management prioritisation own opinions presented the discussion the discussion own opinions presented the discussion of the	•
unclear points in the report of annoscholie too lew poon of annoscholie too lew poon	questions asked
+ short, apt and clear, well	some incorrect.
prioritised, all time used 2 main points partially relevant some correct fair 2 partially relevant some correct good -1	inconclusive or too lo
3 all relevant points mostly relevant many correct Cefficient 3 K mostly relevant Amany correct Some aspects efficient 4	deeply incorrect or sh
4 practically all points + well prioritised + improvement suggestions overall efficient -2	deep misconceptions

+ suitably allotted to Rep & Opp, 0 X none × most time used superficial partially relevant/correct superficial some superficial partially relevant/correct some incorrect, x relevant parts many ²mostly correct/prioritised nconclusive or too long good mostly correct/prioritised good + short, apt and clear, well prioritised, relevant, accurate, fully fully adequate, well prioritised fully adequate, well prioritised deeply incorrect or shows time managed efficiently constructive apt, accurate apt & accurate convinicing adequate Jeep misconceptions

NOTES:

IYPT - November 2022



IVPT - November 2022

NOTES:

ANSWERS TO JURY,

CHROBAKOVA Ba mix - Oleanova slajd 39 ding bod REPORTER Start from 1 and add/subtract 315 1 = + -6 REPORT phenomenon DISCUSSION WITH OPPONENT comparison between science relevant experiments task fulfilment theory/model own contribution explanation theory and experiment communication

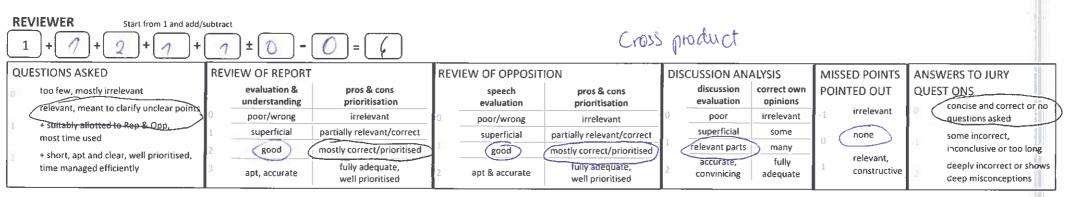
							worthin with ball of		reporter's	OPPONENT and
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant	conduct in the	
1	some	some	some	some	review of sources, cited	partly	partly clear	arguments/responses	discussion	REVIEWER'S QUESTIONS
2	fair	fair	fair	qualitative agreement	some own input	average	average	0 too few	poor/aggressive	
-	Bood	good	good	quantitative agreement	some interesting results	some aspects	some aspects well done	some	partly fine	concise and correct or no
4	detailed demonstrative	quite detailed, correct	Or multitude of parametres examined	+ limits discussed	or considerable ↑ experimental	interesting solution	overall clear, demonstrative	1 many + data/theory 2 supported	good some aspects efficient	some incorrect, inconclusive or too long
6 7	deep and comprehensible, shows physical insight	detailed, complex, completely testable	↓ and errors analysis	well fitting, deviations analysed, conclusive	↓ considerable and theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	deeply incorrect or shows deep miscnceptions

NOTES:

OPPONENT Start from 1 and add/subtract =

1.56

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPO	RTER		ANSWERS TO JURY and
0 too few, mostly irrelevant relevant, aimed at resolving	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
1 unclear points in the report	n na	almost none	too few	poor	0 almost none	too few	poor/aggressive	⁰ questions asked
+ short, apt and clear, well	some main points	too few/many	some	reasonable	1 too few/many	some	some aspects fine	A STATE OF S
Prioritised, all time used	2 main points	partially relevant	Some correct	tair	partially relevant	some correct	good	some incorrect,
prioritised, dir time used	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	
NOTES:	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4 + well prioritised	+ improvement suggestions	overall efficient	deep y incorrect or shows deep misconceptions



NOTES:

IYPT - November 2022

REPORTER Start from $1 + 45 - 45$	$\frac{1 \text{ and add/subtract}}{\Lambda} = 5 \Lambda B Q$	Glure of	imal 1.	(TG)			
explanation almost no some fair good detailed demonstrative deep and comprehensible, deep	theory/model relevant experim almost no some fair good guite detailed, correct tailed, complex, npletely testable and	theory and experiment almost no some qualitative agreement duantitative agreement + limits discussed yell fitting, deviations analysed, conclusive a	or considerable experimental considerable nd theoretical	task fulfilment misunderstood unclear partly partly average ave some aspects some a above average well interesting solution veral greater extent than expected veral than expected veral th	nication , chaotic relear rage aspects done l clear, strative c concepts nunicated	responses conduct in the discussion discussion poor/aggressive partly fine partly fine my good theory some aspects efficient deep anding overall efficient	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS concise and correct or no cuestions asked some incorrect, inconclusive or too long deeply incorrect or shows ceep miscnceptions
1+(15+(175)+	presentation almost nothing some main points main points all relevant points practically all points	23 33 Mamuel A A A A A A A A A A A A A A A A A A A	nions time management ew poor e √reasonable mrect fair mrect efficient ement +	A - Midend + 36 lin DISCUSSION WITH R topics raised and th prioritisation 0 almost none 1 too few/many 2 partially relevant 3 mostly relevant 4 + well prioritised	t v some correct many correct	opponent's conduct in the discussion poor/aggressive some aspects fine good U some aspects efficient	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions
REVIEWER Start from 1 + 4_{15} + 2 + 4_{15} QUESTIONS ASKED too few, mostly irrelevant relevant, meant to clarify uncle 1 / + suitably allotted to Rep & Op most time used + short, apt and clear, well prior time managed efficiently	p, poor/wrong y superficial y good	pros & cons prioritisation irrelevant partially relevant/correct mostly correct/prioritised fully adequate, well prioritised	REVIEW OF OPPOSIT speech evaluation poor/wrong superficial V good apt & accurate	D - Moduca FION pros & cons prioritisation irrelevant partially relevant/correct mostly correct/prioritised fully adequate, well prioritised	DISCUSSION ANALYSIS discussion correct evaluation opinic poor irrelev superficial som relevant parts man accurate, fully convinicing adequa	ns ant e none y relevant,	ANSWERS TO JURY QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions
NOTES:	precise sele	y -1					iYPT – November 1322

Please, suitably adjust your grades taking into regard the [1,10] range.

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REPORTER Start fro	and add/subtract			tio hop flow sy	ven C	100 R/t	e e	- 2 -	fitorany
	almost no some fair good	ant experiments th almost no some fair q good qu multitude o rarametres examined errors w	+ limits discussed	own contribution almost no review of sources, cited some own input + some interesting results or considerable experimental considerable and theoretical	-	science communication unclear, chaotic partly clear average some aspects well done overall clear demonstrative + complex concepts well communicated	DISCUSSION WITH relevant arguments/responses too few some 1 many + data/theon supported 3 proved deep understanding	reporter's conduct in the discussion poor/aggressive partly fine good y some aspects efficient g	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep miscnceptions
NOTES: OPPONENT Start fro 1 + + + + + + + + QUESTIONS ASKED 0 too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and clear, well prioritised, all time used NOTES:	OPPOSITION (SPEE understandin presentatio almost nothi some main point all relevant po practically all p	g of topics raiser n prioritis ng almost ints too few, s partially r ints mostly re	sation prese none too f /many son el van some c elevant many c	nted management ew poor ne reasonable orrect fair orrect efficient vement +	topics rais prior 0 almo 1 too fe 2 partial 3 mostly 4 twell	WITH REPORTER sed and their itisation own ost none ew/many ly relevant y relevant	too few some some correct	ppponent's conduct in the discussion poor/aggressive some aspects fine good some aspects efficient overall efficient	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions
REVIEWER 1 + 2 + + + QUESTIONS ASKED too few, mostly irrelevant relevant, meant to clarify une	eva und	DF REPORT aluation & lerstanding	pros & cons prioritisation	REVIEW OF OPPOS speech evaluation		DISCUSS dis eva	SION ANALYSIS cussion correct own sluation opinions	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS concise and correct or no
+ suitably allotted to Rep & C most time used + short, apt and clear, well put time managed efficiently NOTES:	Opp, 1 st	6	irrelevant ially relevant/correct tly correct/prioritised fully adequate, well prioritised	opoor/wrong superficial good 2 apt & accurate	irrelevant partially relevant, nostly correct/pr fully adequa well prioritis	te,	poor irrelevant perficial some vant parts many curate, fully winicing adequate	none relevant, constructive	questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions

IVPT - November 2322

Reb: BAMX (OReanons) Leptichor Opp: 15G(Alex) REPORTER Start from 1 and add/subtract 1 + Ξ phenomenon REPORT comparison between science DISCUSSION WITH OPPONENT ANSWERS TO JURY, theory/model relevant experiments task fulfilment own contribution explanation theory and experiment communication reporter's OPPONENT, and relevant almost no almost no almost no almost no almost no misunderstood unclear, chaotic conduct in the **REVIEWER'S QUESTIONS** arguments/responses some some some some review of sources, cited partly partly clear discussion fair fair × fair qualitative agreement some own input 🛛 🗙 average average poor/aggressive too few concise and correct or no some aspects some aspects X good good good X quantitative agreement + some interesting results partly fine some cuestions asked well done above average many good multitude of detailed quite detailed. or some incorrect, considerable overall clear, or interesting + limits discussed parametres + data/theory some aspects demonstrative inconclusive or too long correct solution experimental demonstrative examined efficient supported ceeply incorrect or shows deep and comprehensible, detailed, complex, well fitting, deviations proved deep greater extent + complex concepts considerable deep miscnceptions errors overall efficient completely testable and shows physical insight analysed, conclusive than expected well communicated understanding and theoretical analysis NOTES: ~ W> conclusion train - det + have vides **OPPONENT** Start from 1 and add/subtract L 7 1.0 = 60. QUESTIONS ASKED **OPPOSITION (SPEECH)** DISCUSSION WITH REPORTER ANSWERS TO JURY and too few, mostly irrelevant understanding of topics raised and their own opinions time topics raised and their opponent's conduct in REVIEWER'S QUESTIONS own opinions presented presentation prioritisation presented management prioritisation the discussion relevant, aimed at resolving concise and correct or no almost nothing almost none too few almost none too few poor/aggressive poor unclear points in the report questions asked some main points too few/many some reasonable too few/many some aspects fine some + short, apt and clear, well some incorrect, main points 🛛 🗙 partially relevant some correct fair partially relevant good some correct - **M** prioritised, all time used inconclusive or too long all relevant points mostly relevant efficient many correct mostly relevant many correct some aspects efficient deeply incorrect or shows NOTES: + improvement practically all points + well prioritised + well prioritised overall efficient + improvement suggestions deep misconceptions suggestions all time used 1. allessie forces - "the closer themore" but not quent theory to how with fere material a change it? God expl Developent C device herz Contractor tox The quelit theory hore have schould thave been spent 4, oil that that stible the didn't really get dep. on r being prevanerers REVIEWER Start from 1 and add/subtract haugher & systempic ong R 1 + -spleyting about an U. QUESTIONS ASKED **REVIEW OF REPORT REVIEW OF OPPOSITION** DISCUSSION ANALYSIS MISSED POINTS ANSWERS TO JURY evaluation & pros & cons discussion correct own POINTED OUT too few, mostly irrelevant speech pros & cons QUESTIONS understanding prioritisation evaluation opinions evaluation prioritisation concise and correct or no relevant, meant to clarify unclear points irrelevant poor/wrong irrelevant irrelevant poor questions asked poor/wrong irrelevant + suitably allotted to Rep & Opp, superficial partially relevant/correct superficial some superficial partially relevant/correct none some incorrect, most time used relevant parts many inconclusive or too long good mostly correct/prioritised mostly correct/prioritised good ネ + short, apt and clear, well prioritised, relevant. accurate. fully deeply incorrect or shows time managed efficiently fully adequate, fully adequate, constructive apt, accurate apt & accurate convinicing adequate well prioritised well prioritised deep misconceptions Septencition of phenomenon -not agree inter clashing NOTES: O adultan N IYPT - November ±022 @ measurer 11/12=k? cows-QK Please, suitably adjust your grades taking into regard the [1,10] reperferent performs

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PORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUS	SION WITH OPP		ANSWERS TO JURY,
	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic		relevant	reporter's conduct in the	OPPONENT, and
	Some	some	some	some	review of sources, cited	partly	partly clear	are	uments/responses	discussion	REVIEWER'S QUESTION
	tair	fair	fair	qualitative agreement	some own input	average	average	0	too few	poor/aggressive	
\rangle	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	0	om	partly fine	Concise and correct cuestions asked
	detailed demonstrative	quite detailed, correct	or multitude of parametres	+ limits discussed	or considerable expekimental	interesting solution	overall dear, demonstrative		many + data/theory supported	some aspects efficient	some incorrect, inconclusive or too l deeply incorrect or s
		detailed, complex, completely testable	and errors and analysis	well fitting, deviations analysed, conclusive	↓ considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	-2 deep miscnceptions

NOTES:

OPPONENT

REPORTER

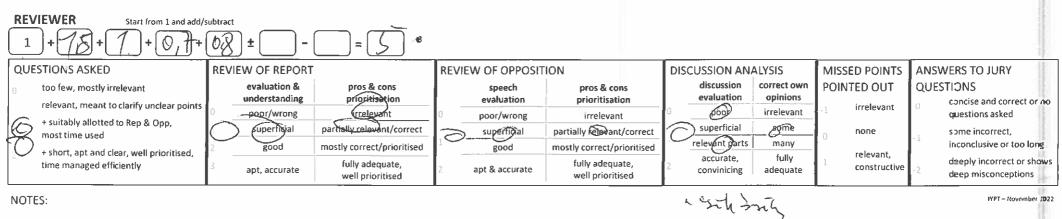
1+25+15-

Start from 1 and add/subtract

Start from 1 and add/subtract

= 5

1	<u>)+</u> _+ <u>_</u> + <u>_</u> +	1,8								
QUE	STIONS ASKED	OPPO	SITION (SPEECH)				DISCUSSION WITH REPO	RTER		ANSWERS TO JURY and
0	too few, mostly irrelevant relevant, aimed at resolving		understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
1:0	unclear points in the report	0	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	guestions asked
10	. ,	1.	some maje points	too few/many	some	reasonable	1 too few/many	some	some aspects fine	some incorrect,
2	+ short, apt and clear, well prioritised, all time used	\sim	main points	partially relevant	some correct	fair	partially relevant	somecorrect	good	⁻¹ inconclusive or too long
	prioritised, an time used	\sim	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	
NOTE	S:	.4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4 + well prioritised	+ improvement suggestions	overall efficient	-2 deeply incorrect or shows deep misconceptions



NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.