

time managed efficiently

complex

conclusive

suggestions

adequate

good

conclusive

suggestions

adequate

good

deep misconceptions

REPORTER 1+ 45 + 3,5 Start from 1 and add/subtract ~

> **SCORESHEET** reporter: New Zealand opponent: Sweden fight (round no.): 4

reviewer: Pomania room: Ø

problem no.:

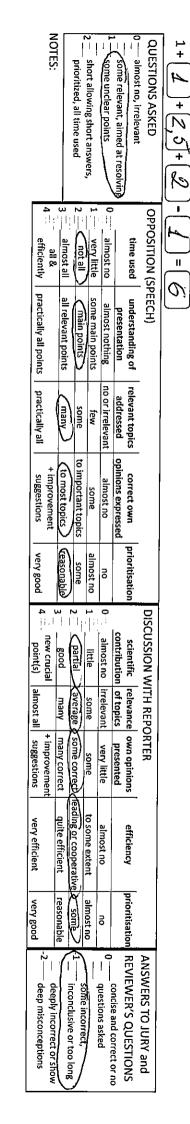
Juror's name: Parlo Vilto signature:

REPORT deep and comprehensible, detailed, complex, shows physical insight | |completely testable | convincing analysis | demonstrative phenomenon explanation almost no detailed good some air quite detailed, theory/model almost no fair some + results explained sufficient number + reproducible, well performed, errors analysed experiments relevant too few some well fitting, deviations analysed, conclusive explained, conclusive theory and experiment comparison between qualitatively analyse not well fitting no/ almost no theory limits deviations some others' data, incorrectly cited considerable experimental considerable experimental review of sources, cited some interesting results own contribution and theoretical or theoretical some own input misunderstood task fulfilment than expected greater extent above average some aspects interesting solution average partly 0 | 2 DISCUSSION WITH OPPONENT interesting point brought in new some scientific only technical points cleared points cleared contribution almost no physics proved deep arguments/responses understanding + data/theory too few relevant many some almost no, chaotic answered directly cooperated well avoided some efficient, productive most questions efficiency questions **REVIEWER'S QUESTIONS OPPONENT** and ANSWERS TO JURY, inconclusive or too long no questions asked concise and correct or deeply incorrect or show deep misconceptions some incorrect,

NOTES:

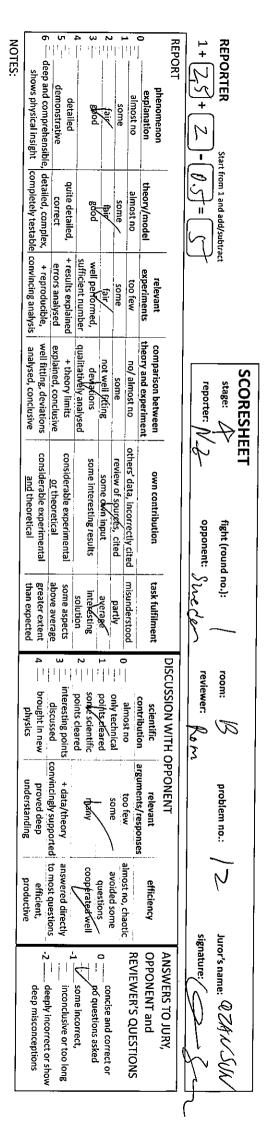
OPPONENT

Start from 1 and add/subtract



Direction of the contract of t	and managed entirently	3 — +short, apt and clear, well prioritized	2 Lesolved, alimed at both rep. and opp	2 — (most time used, many unclear points)		1 — clear things out	some relevant, sufficient number, could	0 too rew, mostly irrelevant		1+2+3+3-1
	Complex	\ /	good	partial		Boor	& understanding	report summary discussion	REVIEW OF REPORT	
	conclusive	accurate,	relevant parts	too short/long		almost no	analysis	discussion	~~ -	
	conclusive suggestions adequate	accurate, improvement	many	some		too few		own opinions		
	adequate	Y fully	mostly adequate	partially relevant almost no	The Contract of the Contract o	irrelevant		pros & cons prioritisation	_	
	good) J	some	t almost no	ē	9		prioritisation	-	
	accurate	brief But	2 informative, apt relevant parts	1 too short/long too short/long	poor	0	vaemmus	speech	REVIEW OF OPPOSITION	
	conclusive	accurate,	relevant parts	too short/long	almost no	-		discussion	NOITISC	
	conclusive suggestions adequate	accurate, Improvement	many	some	too few	•	7	awn opinions		
	adequate		mostly adequate	partially relevant almost no	irrelevant		Pr 64 % 60113	own opinions proc & cons prioritication OIJESTIONS		
	good		some		no		priorition	prioritication		
	deep misconceptions	deeply incorrect or show	inconclusive or too long	some incorrect,	no questions asked	0 — college and confect of	consistant competor	OUESTIONS	ANSWERS TO JURY	

REVIEWER



Ç	NOTES:		y short allowing short answers.	Y some unclear points	d at resolving	O annoscilo, meievalle	QUESTIONS ASKED	1+ (1.50)+ (20)+ (20)-(0.57)
4 efficiently	3 — almost all	2not all	1 very little	almost no		time used	OPPOSITION (SPEECH)	- = (- 1/2) -
practically all points practically all	all relevant points	main points	some main points	almost nothing	presentation	understanding of	PEECH)	7
practically all	wydem	some	few	no or irrelevant	addressed	refevant topics	-	
+ improvement suggestions	to most topics	to important topics	some	almost no	opinions expressed	correct own		
very good	reasonable	some	almost no	no		prioritisation	-	
4 new crucial point(s)	3 good	oartizi	1 ∷ little	0 .= - almost no irrelevant very little	contribution of topics presented	scientific	DISCUSSION WITH REPORTER	
almost all	many	average	some	irrelevant	of topics	relevance	TH REPO	
ew crucial + improvement point(s) almost all suggestions	manycorrect	some correct	some	very little	presented	scientific relevance own opinions	RTER	
very efficient	quite efficient	ğ.	₹`	almost no		efficiency	i	
very good	reasonable		almost na	no		prioritisation		
-2 —— deep misconceptions	doon't incorrect or the	-1 some incorrect,		— axestions asked	concise and correct or no	prioritisation REVIEWER'S QUESTIONS	ANSWERS TO JURY and	

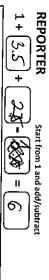
OPPONENT

Start from 1 and add/subtract

OHESTIONS ASKED	DEVIEW OF BEDO	7			l				ı	!	
QUESTIONS ASKED	REVIEW OF REPORT	- 27		_	-	REVIEW OF OPPOSITION	NOITIE	_			ANSWERS TO JURY
0 too rew, mostly irrelevant	report summary discussion		own apinions	pros & cons prioritisation	prioritisation	speech	discussion	own apinions	nros & cons	prioritieation	prioritisation OUFSTIONS
some relevant, sufficient number, could	& understanding analysis	analysis				summary		or opinions	prod ox cons	prioritisation	Corporate
1 — clear things out	-	almort no	too for	1		0	410				0 —— concise and correct or
cical timigo out	000	dilliost 110	(00 lew/	Tuevant	no	poor	almost no	too few	irrelevant	30	no questions asked
-/ most time used, many unclear points	i 1 :: partial ∕	too short/long	S Pro	partially relevant	almacono	1 +55.56.54/1			-		
2 1/2	1			<		Suor Arions for Buor Arions on	Buol Aidus on		partially relevant almost no	almost/no	
resolved, aimed at both rep, and opp.	2	rale variety							//		-1
	8000	reievant bairs	many	mostly adequate	some	2 informative, aprirelevant parts many	relevant parts		mostlyLadequate	some	miconclusive or too long
3 — +snort, apt and clear, well prioritized	3 — detailed,	accurate,	accurate, + improvement	fully		s brief but	accurate.	+ improvement	fully		deeply incorrect or show
time managed efficiently	Formolou	2000	or constitution			<u>u</u>			,		
Control of the Contro	complex	conclusive	conclusive suggestions	adequate	good	accurate	conclusive	suggestions	adequate	good	deep misconceptions
NOTES.											

1+ 2 + 1.57+ 1.5 -

!1



SCORESHEET stage: 1 reporter: New Zealand opponent: Sweden fight (round no.): 4

room: reviewer: Romania problem no.:

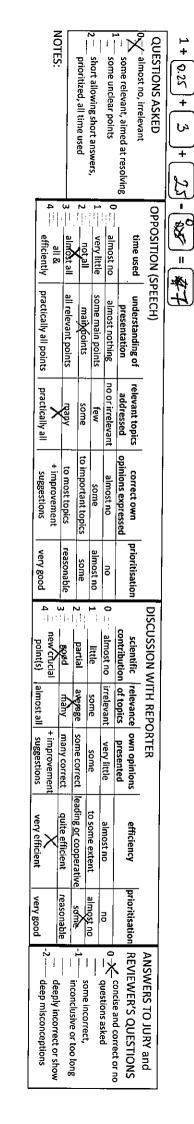
12 Juror's name: Peter Boross

signature: Bomo Rok

NOTES:	si dee		4	2 <u></u>		<u>.</u>	-	REPORT
	shows physical insight completely testable convincing analysis	demonstrative	good	fair	some	almost no	explanation	
	completely testable	quite detailed, correct	**	***	some	almost no	theory/model	_
			well performed, sufficient/number	fair	some	too few	experiments	·
	shows physical insight completely testable convincing analysis analysed, conclusive	+ theory limits explained, conclusive	deviations (**) qualitations analysed	not well fitting	some	no/ almost no	theory and experiment	
	considerable experimental and theoretical	considerable experimental	some interecting results	some own input	review of sources, cited	others' data, incorrectly cited	own contribution	
	greater extent than expected	some aspects above average	interesting solution	average	partly	misunderstood	task fulfilment	
ĺ	4	3	2 =	1 -)		DISCU
	brought in new prophysics unc	ς ν	some scientific points deared	points cleared	only technical		scientific	DISCUSSION WITH OPPONENT
	proved deep understanding	+ data/theory answered directly answered answered answered answered answered areas answered and answered and answered answered answered and answered and answered answered and a	many	S		enguinenta/ responses	relevant	ENT
	efficient, productive	answere directly o most adestions	cooperated well	questions	annost no, chaotic	Imaet on chartie	efficiency	į
	deep misconceptions	inconclusive or too long	no questions asked	0 concise and correct or		REVIEWER'S QUESTIONS	OPPONENT and	ANSWERS TO JURY,

OPPONENT

Start from 1 and add/subtract



QUESTIONS ASKED	REVIEW OF REPORT)RT				REVIEW OF OPPOSITION	POSITION				ANSWERS TO HIRV
0 too few, mostly irrelevant	report summary discussion	y discussion	own opinions	pros & cons prioritisation	prioritisation	spech	discussion	awn oninions	0		OHESTIONS
, some relevant, sufficient number, could	& understanding analysis	ı			•	summary	analysis	own obmining bios & colls	טוטא פג נטווא	prioritisation	prioritisation, QOESTIONS
11 ★ clear things out	poor	almost no	too few	irrelevant	3	0					0 — concise and correct or
						poor	dillost no	W91001	irrelevant	3	7 \ no questions asked
 most time used, many unclear points 	partial	too short/long	sopre	partially relevant almost no	almost no	1 too short/lor	too short/long too short/long	5000	natially relevant	almandan	
2 — resolved aimed at both ron and con	<u></u>	<	>			2000	9 (00 211014) 10115	201120	Partially relevant diffost no	annostno	some incorrect,
- resource, entired at bott rep, and upp.	2 : good	relevant parts	many	mostlyngdequate	some	informátive, a	informative, apt relevant parts	™	mostly adequate	some	inconclusive or too long
3 — +short, apt and clear, well prioritized	3 detailed,	accurate,	+ improvement	<u> </u>		brief but	accurate.	accurate. + improvement	fully	ſ	deeply incorrect or show
time managed enticently	complex	conclusive	conclusive suggestions	adequate	good	accurate	conclusive	conclusive suggestions		good	-2 —— deep misconceptions
NOTES:							i				

REVIEWER

+

+

0.5

II

Start from 1 and add/subtract

REPORT REPORTER ī Start from 1 and add/subtract 11 Q) **SCORESHEET** stage: reporter: Frio Confuent W. Zae opponent: Sitteden Boy fight (round no.): DISCUSSION WITH OPPONENT reviewer: room: \otimes Romenia problem no.: $\mathcal{H}, \mathcal{E}, 12$ Juror's name: signature: LANY Bashkat

deep and comprehensible, detailed, complex, shows physical insight | |completely testable | convincing analysis | demonstrative phenomenon explanation almost no detailed good some air quite detailed, theory/model almost no good some fair + results explained sufficient number + reproducible, well performed, errors analysed experiments relevant too few some iei well fitting, deviations theory and experiment analysed, conclusive explained, conclusive qualitatively analysed comparison between + theory limits not well fitting no/ almost no deviations some others' data, incorrectly cited considerable experimental considerable experimental some interesting results review of sources, cited own contribution some own input and theoretical or theoretical misunderstood task fulfilment greater extent above average than expected some aspects interesting solution average partly v points cleared interesting points discussed brought in new some scientific points cleared only technical contribution almost no scientific arguments/responses understanding + data/theory proved deep too few many some

convincingly supported to most questions almost no, chaotic answered directly cooperated well avoided some questions efficiency efficient, -1 ✓— some incorrect, **REVIEWER'S QUESTIONS OPPONENT** and ANSWERS TO JURY, concise and correct or _ deeply incorrect or show no questions asked inconclusive or too long

productive

deep misconceptions

NOTES:

1.+ //5 **OPPONENT** Start from 1 and add/subtract

+ Ŋ ا-[ق,5] 11

QUESTIONS ASKED ___ almost no, irrelevant some relevant, aimed at resolving short allowing short answers, prioritized, all time used 3 | 7 1 OPP(

POSITION (SPEECH)	PEECH)				DISCUSSION WITH REPORTER	TH REPO	RTER		
time used	understanding of	relevant topics	correct own	prioritisation	scientific	relevance	relevance own opinions	efficiency	prioritisation
	presentation	addressed	opinions expressed		contribution of topics	of topics	presented		
almost no	almost nothing	no or irrelevant	almost no	no	0 almost no irrelevant	irrelevant	verv little	almost no	3
very little	some main points	few	some	almost no	1	como i	comp	1	-
	t , main points	some	to important topics	ヿ		201116	301110	to some extent	quillost no
	V			T	2 partial	average	Some correct	k some correct leading or cooperative some	some
almost all	all relevant points	many	to most topics	reasonable	S Sood	many	many correct	nuite efficient	reaconable
- all &		j	+ improvement		3 Caucial	_	1	The Control of the Control	, (05010010
efficiently	efficiently practically all points practically all	practically all	suggestions	very good	4 point(s)	almost all	point(s) almost all suggestions	very efficient	Kepr good
							8	The state of the s	1000

0 ____ concise and correct or no REVIEWER'S QUESTIONS

questions asked

inconclusive or too long

some incorrect,

deep misconceptions deeply incorrect or show ANSWERS TO JURY and

1- + REVIEWER Start from 1 and add/subtract

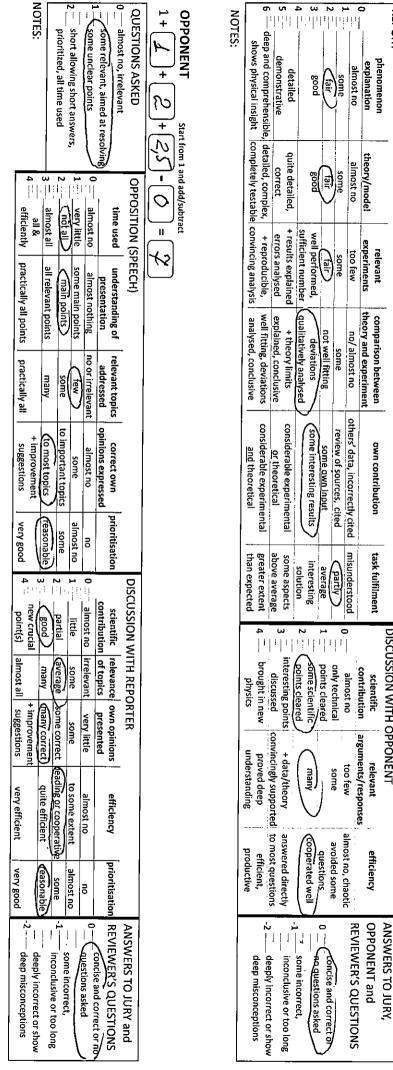
NOTES:

<u>+</u> II

QUESTIONS ASKED	REVIEW OF REPORT	- RT	_ i			REVIEW OF OPPOSITION	SITION		_		ANSWERS TO JURY
some relevant, sufficient number, could	report summary discussion & understanding analysis		own opinions	own opinions pros & cons prioritisation	prioritisation	speech	discussion	own opinions	own opinions pros & cons prioritisation QUESTIONS	prioritisation	QUESTIONS
1 — rlear things out	o noor	almost an	too form			0 : 341111111	alialysis				0 concise and correct or
→ Clear cilligs out	poor	almost no	too rew	irrelevant	ПO	poor	almost no	too few	irrelevant	no	· / no questions asked
 most time used, many unclear points 		too short/long V some	-	partially relevant almost no	almost no	1 ton short/long the short/long \1 some	the short/land	- 1	fartially solowant	2 200	4
2 Tresolved, aimed at both repland one		<			<	V 2000 4 4 4 4	900 21101 011010	7 301110	Most right televalit annost no	dillion lio	onle incorrect,
- T	2 good	relevant parts	many	mostly adequate	some	2 informative, apt relevant parts	relevant parts	many	mostly adequate	some	inconclusive or too long
3 +short, apt and clear, well prioritized	3 detailed,	accurate,	accurate, + improvement	fully	!	brief but	accurate,	accurate, + improvement	fully		— deeply incorrect or show
time managed efficiently	complex	conclusive	conclusive suggestions	adequate	good	accurate	conclusive	conclusive suggestions	adequate	good	-2 deep misconceptions

1+ & REPORTER + Start from 1 and add/subtract)= [[] SCORESHEET reporter: Sweden stage: opponent: Komunia fight (round no.): room: reviewer: New Zealand Ø problem no.: 6 Juror's name: Parlo Vilto signature:

REPORT deep and comprehensible, detailed, complex, shows physical insight | |completely testable | convincing analysis | demonstrative phenomenon explanation almost no detailed some pood quite detailed, theory/model almost no correct some results explained sufficient number + reproducible, well performed, errors analysed experiments relevant rair) too few well fitting, deviations theory and experiment analysed, conclusive explained, conclusive deviations qualitatively analysed comparison between not well fitting + theory limits no/ almost no others' data, incorrectly cited considerable experimental considerable experimental some interesting results review of sources, cited awn contribution some own input and theoretical misunderstood task fulfilment greater extent above average than expected some aspects interesting average solution DISCUSSION WITH OPPONENT



1+ 2+ 25+ 2-0) = 8										
QUESTIONS ASKED	REVIEW OF REPORT	~				REVIEW OF OPPOSITION	SITION				ANSWERS TO HIRV
0 too few, mostly irrelevant	report summary discussion own opinions	discussion	own opinions	pros & cons prioritisation	prioritisation	speech	<u> </u>	own oninions	nros & cons	rioritication	nros & cons prioritication OHESTIONS
some relevant, sufficient number, could	& understanding	analysis			•	summary			pros ex cons	prioritisation	Concision and contact of
1 clear things out	poor	almost no	too few	irrelevant	no	0	almost no	too faw	irrolovant	3	O —C no directions asked
most time used, many unclear points	1 partial	too short/long	some	partially relevant almost no	almost no	1 too short/long	too short /long		and the solution	i	
2 resolved aimed at both rep and one)))	ر ا				9 000 000 000 000 000 000 000 000 000 0	0.0101010	201110	barriany resevent annostrato	dilliost 40	1 some incorrect,
- heronyea, entired at bountier, eith oper	2 good	relevant pacter	many	mostly adequate	some	2 (informative, apprelevant parts)	relevant parts		mostly adequate	<u>କ</u>	 inconclusive or too long
3 — +short, apt and clear, well prioritized	3 detailed,	accurate,	accurate, + improvement	Tully Ville)	3 brief but	accurate,	accurate, + improvement	fully		deeply incorrect or show
anic Hanaged efficiently	complex	conclusive	suggestions	adequate	good	accurate	conclusive suggestions	suggestions	adequate	good	-2 deep misconceptions
NOTES:									i		

REVIEWER

REPORTER 1+/ + <u>,</u> Start from 1 and add/subtract 11 SCORESHEET reporter: mede, opponent: fight (round no.): 7 力的 room: reviewer: W problem no.:

deep and comprehensible, detailed, complex, shows physical insight | |completely testable | convincing analysis demonstrative explanation phenomenor almost no detailed good some air quite detailed, theory/model almost no fair good some + results explained well performed, sufficient number + reproducible, errors analysed experiments relevant some/ too few well fitting, deviations theory and experiment analysed, conclusive explained, conclusive qualitatively analysed comparison between not well fitting + theory limits no/ almost no deViations some/ others' data, incorrectly cited considerable experimental considerable experimental review of sources, cited some interesting results own contribution some own input and theoretical misunderstood task fulfilment than expected greater extent above average some aspects 0 DISCUSSION WITH OPPONENT points cleared interesting points brought in new only technical someScientifi contribution discussed almost no convincingly supported arguments/responses understanding proved deep + data/theory relevant too few some

to most questions

_deeply incorrect or show

deep misconceptions

productive

efficient,

answered directly

questions cooperated well

0 ____ concise and correct or **REVIEWER'S QUESTIONS**

_,no questions asked

some incorrect,

inconclusive or too long

almost no, chaotic avoided some

efficiency

ANSWERS TO JURY, **OPPONENT** and

signature:

Juror's name: & Brasil

2 1111

REPOR:

NOTES:

OPPONENT

Start from 1 and add/subtract

	NOTES:	prioritized, all time used	2 - short allowing short answers,	* * some unclear points	some relevant, aimed at resolving	C annostino, intelevalit	QUESTIONS ASKED	1+ (1,5)+ (20,2)+ (3)
₹	3 all &	2novali	1 very little	almost no		time used	OPPOSITION (SPEECH)	V = (5/./)-
practically all points practically all	an relevant politics	main points	some main points	almost nothing	presentation	understanding of relevant topics	PEECH)	5)
practically all	macy	some	few	no or irrelevant	addressed	relevant topics	-	
suggestions	+ improvement	to imply tant topics	some	almost no	opinions expressed	correct own		
very good	reasonable	some	almost no	ПO		prioritisation	-	
4 point(s)	3 8000	2 partial	1 little	0 ::: - almost no irrelevant very little	contribution of topics presented	scientific	DISCUSSION WITH REPORTER	
almost all	ntany	average	some	irrelevant	of topics	relevance	ITH REPO	
ew crucial + improvement point(s) almost all suggestions	many befrect	some correct 1	some	very little	presented	scientific relevance own opinions	RTER	
very efficient	quite efficient	some correct leading or tooperative	to some extent	almost no		efficiency		
very good	reatoriable	some	almost no	no	,	prioritisation		
-2 deep misconceptions	deeply incorrect or show	nconclusive or too long	- some incorrect	0 questions asked	concise and correct or no	prioritisation REVIEWER'S QUESTIONS	ANSWERS TO JURY and	

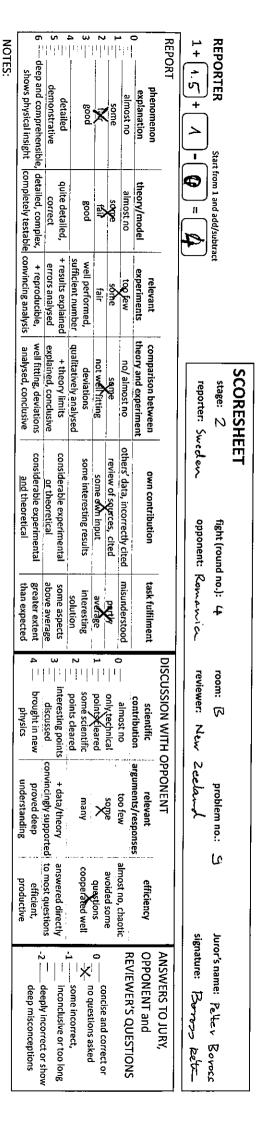
0 ___ too few, mostly irrelevant **QUESTIONS ASKED** ____ some relevant, sufficient number, could L ____ glear things out NOTES: resolved, aimed at both rep. and opp +short, apt and clear, well prioritized most time used, many unclear points clear things out time managed efficiently REVIEW OF REPORT & understanding report summary complex partial poor discussion analysis too short/long relevant parts accurate, conclusive almost no + implovement own opinions suggestions too few some partially relevan pros & cons adequate irrelevant prioritisation almost no good 8 REVIEW OF OPPOSITION informative, too short/long summary accurate speech too short/lon relevant,part discussion conclusive accurate almost no analysis own opinions suggestions impròvemer too few many some partially relevant mostly adequate pros & cons irrelevant adequate prioritisation almost no good some 3 QUESTIONS ANSWERS TO JURY inconclusive or too long ∕no questions asked deep misconceptions deeply incorrect or show some incorrect, concise and correct or

1+/02/+ 25

REVIEWER

Start from 1 and add/subtract

0:0



Ç	NOTEC:	prioritized, all time used	2 — short allowing short answers,	some unclear points	some relevant, aimed at resolving	N aimost no, melevant		1+(0.5)+(275)+(2.6)-(0
4 efficiently	3 — almost all	2	1 very little	o almost no	, 	time used	OPPOSITION (SPEECH)	
efficiently practically all points practically all	all relevant points	main points	some main points	almost nothing	presentation	understanding of relevant topics	PEECH)	1
practically all	mahy	some	few	no or irrelevant	addressed	relevant topics	-	
suggestions	to most topics	to important topics	some	almost no	addressed opinions expressed	correct own		
very good	reasonable	some	almost no	no		prioritisation		
4 new crucial point(s)	3good	2partial	1 little	0 almost no irrelevant very little	contribution	scientific	DISCUSSION WITH REPORTER	
almost all	many	average	some	irrelevant	of topics	relevance	TH REPO	
ew crucial + improvement point(s) almost all suggestions	manXorrect	some correct	some	very little	contribution of topics presented	scientific relevance own opinions	RTER	
very efficient	man correct quite chicient	some correct leading or cooperative some	to some extent	almost no		efficiency		
very good	reasonable	some	almost no	no		prioritisation		
-2 deep misconceptions	deeply incorrect or show			questions asked	concise and con	prioritisation REVIEWER'S QUESTIONS	ANSWERS TO JURY and	

OPPONENT

Start from 1 and add/subtract

Start from 1 and add/subtract $1 + \left(\frac{1}{2}\right) + \left(\frac{1}{2}\right) + \left(\frac{1}{2}\right) - \left(\frac{1}{2}\right) = \left(\frac{1}{2}\right)$	aubtract											
QUESTIONS ASKED	REVIEW OF REPORT	~				æ	REVIEW OF OPPOSITION	NOITIS		i		ANSWERS TO JURY
0 too few, mostly irrelevant	report summary discussion	_	own opinions	pros & cons prioritisation	prioritisation			discussion	discussion own opinions	pros & cons prioritisation QUESTIONS	prioritisation	QUESTIONS
1 — clear things out	0	on tromie	too few	inclouse+	3	0	,					0 -X college alin collect of
				40000	i		poor	ou isomie	100 TeW	irrelevant	5	no questions asked
most time used, many unclear points	1partial	too short/long	some	partially relevant almost no	almost no	μ.	too short/long too short/long	oo short/long	some	partially relevant almost no	almX no	some incorrect
resolved, aimed at both rep. and opp.	2	relevant parts	many >	mostly whenuate	some)	informative, apt relevant parts	elevant parts	many	mostly adequate	Some	-1 inconclusive or too long
3 +short, apt and clear, well prioritized	3 — detailed,	accurate,	ment	fully		ن	brief but	accurate,	ment	fully		deeply incorrect or show
time managed efficiently	complex	conclusive suggestions	suggestions	adequate	good	Ü		conclusive suggestions	suggestions	adequate	good	-2 deep misconceptions
NOTES:												

1+ 23 + (/5)- (/ REPORTER Start from 1 and add/subtract

SCORESHEET

stage: Hweden reporter: William Losses

problem no.:

Ø

Juror's name:

signature:

2 W fair good
good
sufficient number
sufficient number qualitatively analysed
solution
2 some scientific many cooperated well
cooperated well
_1 —V some incorrect,

NOT

	NOTES	NOTICE		2 — short allowing short answers,	- Some unclear points	some relevant, aimed at resolving		QUESTIONS ASKED	OPPONENT Start from 1 a $1 + \left(\frac{1}{2}\right) + \left(\frac{2}{2}\right) + \left(\frac{2}{2}\right)$
	4 efficiently	ᆵ	2 V not all	1 very little	o almost no		time used	OPPOSITION (SPEECH)	Start from 1 and add/subtract + (2) - $(0, 5)$ = (4)
	efficiently practically all points practically all	all relevant points	main points	ᅜ	almost nothing	presentation	understanding of	PEECH)	
\	practically all	many	some	few	no or irrelevant	addressed	relevant topics	-	
	+ improvement suggestions	to most topics	to important topics	some	almost no	opinions expressed	correct own		
	very good	reasonable	some	almost no	no		prioritisation		·
	4 new crucial point(s)	3 good	2 = V partial	1 little	0 :::- almost no	contribution of topics presented	scientific	DISCUSSION WITH REPORTER	5 5 5 5 5 5
	almost all	many	Vaverage 1	some	irrelevant	of topics	relevance	ITH REPO	
	ew crucial + improvement point(s) almost all suggestions	many correct	some correct	some	irrelevant very little	presented	scientific relevance own opinions	RTER	
	very efficient	quite efficient	וט ו	nŧ	almost no		efficiency		
	very good	reasonable	ome	almost no	no		prioritisation		
	-2 deep misconceptions	inconciosive of cooleding	-1—incorducing artes land	- some incorrect	guestions asked	concise and correct or no	prioritisation REVIEWER'S QUESTIONS	ANSWERS TO JURY and	

NOTES:	3 — +short, apt and clear, well prioritized time managed efficiently	'Vesolved, aimed at both rep. and opp.	most time used, many unclear points	1 clear things out	some relevant, sufficient number, could		REVIEWER Start from 1 and add/subtract $1 + 2 + 2 + 2 - 4 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 =$
	3 detailed, complex	2 ··· V good	1 partial	poor	report summary discussion & understanding analysis	REVIEW OF REPORT	S = H
	accurate, conclusive	refevant parts	too short/long	almost no		- -	
	accurate, + improvement conclusive suggestions	many	some	too few	own opinions		
ļ	fully adequate	mostly adequate	partially relevant almost no	irrelevant	pros & cons prioritisation		
	good	some	almost no	no	prioritisation	-	
	3 brief but accurate	2 Vinformative, apt relevant parts	1 too short/long too short/long some	poor	speech summary	REVIEW OF OPPOSITION	
	accurate, conclusive	Helevant parts	too short/long	almost no	discussion analysis	SITION	
ļ	accurate, + improvement conclusive suggestions			too few	own opinions	_	
	fully adequate	mostly adequate	partially relevant	irrelevant	pros & cons prioritisation QUESTIONS	_	
	good	some	almost no	пo	prioritisation		
	-2 deeply incorrect or show deep misconceptions	-1 inconclusive or too long	some incorrect.		QUESTIONS concise and correct or	ANSWERS TO JURY	

NOTES: QUESTIONS ASKED REPORT 1+6,5)+(1.5 OPPONENT 1+[/5]+[/5]-| REPORTER NOTES: some unclear points short allowing short answers, prioritized, all time used -కరోme relevant, aimed at resolving deep and comprehensible, detailed, complex, almost no, irrelevant shows physical insight | |completely testable | convincing analysis | phenomenon explanation demonstrative almost no Chashi detailed good some Start from 1 and add/subtract Start from 1 and add/subtract quite detailed, theory/model almost no some 11 good OPPOSITION (SPEECH) つているし almost no very little efficiently almost al time used <u>a</u> ⊗ 11 + results explained sufficient number + reproducible, errors analysed well performed, experiments too few relevant practically all points understanding of main points almost nothing presentation relevant points theory and experiment analysed, conclusive well fitting, deviations deviations qualitatively analysed comparison between explained, conclusive not well fitting theory limits no/ almost no SCORESHEET reporter: Junde no or irrelevant relevant topics practically all many others' data, incorrectly cited considerable experimental considerable experimental opinions expressed to important topics prejectors review of sources, cited tro some interesting results + improvement to most topics correct own some own input own contribution suggestions and theoretical or theoretical resa opponent: Kona fight (round no.): 4 prioritisation very good reasonable above average task fulfilment greater extent than expected some aspects interesting **DISCUSSION WITH REPORTER** contribution of topics scientific almost no point(s) 2 =--**DISCUSSION WITH OPPONENT** room: reviewer: New Zea relevance own opinions discussed brought in new almost all irrelevant interesting points Rober points cleared some scientific points cleared almost no only technical contribution physics 5 some correct suggestions many correct very little presented improvemen: some convincingly supported arguments/responses understanding proved deep problem no.: + data/theory relevant to some extent quite efficient very efficient almost no efficiency almost no, chaotic to most questions answered directly avoided some Q productive efficiency efficient, prioritisation very good almost no 2 Juror's name: L BAZCOWSE signature: 2 REVIEWER'S QUESTIONS REVIEWER'S QUESTIONS **OPPONENT** and ANSWERS TO JURY, ANSWERS TO JURY and no questions asked _ concise and correct or concise and correct or no deeply incorrect or show questions asked deep misconceptions inconclusive or too long _deeply incorrect or show inconclusive or too long some incorrect, deep misconceptions

1+ (2)+ (2·5)+ (2·5)-(0) = (8) = 8										
QUESTIONS ASKED	REVIEW OF REPORT	RT				REVIEW OF OPPOSITION	SITION				ANSWERS TO ILIRY
0 too few, mostly irrelevant	report summary discussion	_	own opinions	pros & cons prioritisation	prioritisation	speech	discussion	own opinions	pros & cons prioritisation QUESTIONS	prioritisation	QUESTIONS
some relevant, sufficient number, could	0 & understanding analysis	analysis				summary		•	•		concise and correct or
1 clear things out	poor	almost no	too few	irrelevant	no	poor	almost no	too few	irrelevant	no	no questions asked
most time used, many unclear points	1 partial	too short/long	some	partially relevant almost no	almost no	1 too short/lang too short/le	too short/long	Some	partially relevant almost no	almost no	some incorrect
resolved, aimed at both rep. and opp.	2	relevant parts		mostly adequate	SOME !	o informative, and	elevant parts	<u>/</u>	mostly adequa	SOME)	inconclusive or too long
3 — +short, apt and clear, well prioritized	3 detailed,	accurate	accurate, + improvement	- fully		brief but	accurate,	accurate, + improvement	dily		deeply incorrect or show
time managed efficiently	complex	conclusive	conclusive suggestions	adequate	good	accurate	conclusive suggestions	suggestions	adequate [good	-2 — deep misconceptions
NOTES:											

1.25 - 0.25 = 4 Start from 1 and add/subtract

REPORTER

1+ 2.5 +

SCORESHEET stage:

reporter: Romania

opponent: New Zeeland fight (round no.): ←

reviewer: Sweden room: 3

problem no.:

λ W

signature: B Juror's name: Peller pet! Bovoss

OPPONENT and

ANSWERS TO JURY,

REVIEWER'S QUESTIONS

REPORT deep and comprehensible, detailed, complex, demonstrative phenomenon explanation almost no detailed good some fair quite detailed, theory/model almost no 35 Ag correct some + results explained well performed, sufficient number + reproducible, errors analysed experiments relevant some too few theory and experiment well fitting, deviations explained, conclusive qualitatively analysed comparison between analysed, conclusive + theory limits not well fitting no/ almost no deviations some others' data, incorrectly cited considerable experimental considerable experimental review of sources, cited some interecting results own contribution some own input and theoretical or theoretical misunderstood greater extent above average than expected some aspects task fulfilment interesting solution average Partiv DISCUSSION WITH OPPONENT interesting points points cleared some scientific brought in new only technical points cleared contribution discussed almost no scientific physics convincingly supported to most questions arguments/responses understanding + data/theory proved deep too few relevant yve W questions cooperated well answered directly almost no, chaotic avoided some productive efficiency efficient,

-1 ____ some incorrect,

_ deeply incorrect or show inconclusive or too long

deep misconceptions

concise and correct or no questions asked

\sim
~
\neg
_
0

OPPONENT

Start from 1 and add/subtract

	point(s) planate	2	14 :	אפרט מחחם		practically all	practically all points practically all suggestions	efficiently	
>	+ improvement		new crucial		+ improvement	•		4 211 &	NOTES:
quite efficient	many correct	many	3 ::: % 66d	reasonable	to most topics	many	all relevant points	3 =almost all	
some correct leading or cooperative	some correct	average	2 partial	some	to important topics	sopre	main points	2	prioritized, all time used
to some extent	some	some	1 little	almost no	some	few	some main points	1 very little	2 — short allowing short answers,
almost no	very little	irrelevant	0 almost no irrelevant	no	almost no	no or irrelevant	almost nothing	almost no	* some unclear points
efficiency	ontribution of topics presented	of topics	contribution of topics presented	prioritisation	opinions expressed	addressed	presentation	a mile used	Some relevant, aimed at resolving
				_		rolanzat tania	inderstanding of	time used	0 — almost no, irrelevant
)RTER	ITH REPO	DISCUSSION WITH REPORTER				PEECH)	OPPOSITION (SPEECH)	QUESTIONS ASKED
						l		- 0.25	1+ (0.5) + (2.5) + (2.5) - (0.25)

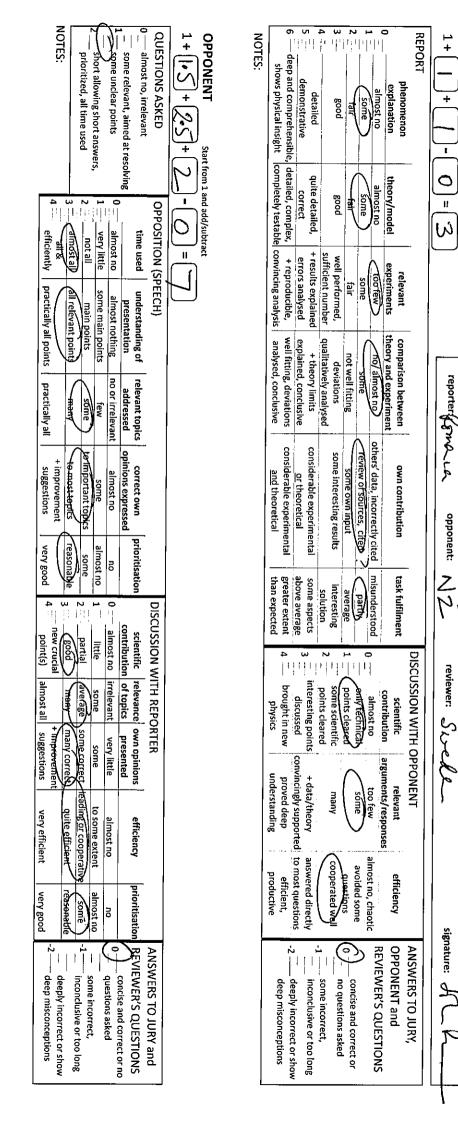
OPPOSITION (SPEECH)		DISCUSSION WITH REPORTER	ER I	ANSWERS TO HIRY and	IJRY and
evant time used understanding of relevant topics correct own prioritisation	correct own	ation scientific relevance own opinions	efficiency	prioritisation REVIEWER'S OUFSTIONS	JUFSTIONS
è.	opinions expressed	_			d compart of the
oints 0 = almost no almost nothing no or irrelevant almost no no	almost no	0 almost no irrelevant	very little almost no	0 College all	concise and correct or no
hort answers 1 very little some main points few some almost no	some	1 little some	to some extent	almost no	e e e e e e e e e e e e e e e e e e e
ime used 2 not all main points some to important topics some	to important topics	nortial average	ma correct loading or constitution	some incorrect,	rrect,
		7 - Partial ast 198c	some consert heading of cooperative	inconclusive or too long	re or too long
3 almost all all relevant points many to most topics reasonable	to most topics	3 :: Bood many	many correct quite efficient	reasonable —	
4 improvement	+ improvement	new crucial	Į	, 	deeply incorrect or show
efficiently practically all points practically all suggestions very good	suggestions	4 point(s) almost all	suggestions very efficient	very good -z deep misconceptions	onceptions

QUESTIONS ASKED	REVIEW OF REPORT)RT				REVIEW OF OPPOSITION	NOITISC	į	i		ANSWERS TO ILIRY
0 too few, mostly irrelevant	report summary discussion		own opinions	pros & cons prioritisation	prioritisation	speech	discussion		Proc & Cons	Prioritication	OUESTIONS
some relevant, sufficient number, could	& understanding	analysis				summarv	analysis	Omit opinions	pros & collis prioritisation Qoestions	prioritisation	COLOURS
1 — closethings out	0	almost as				0	alla yara				0 -X concise and correct or
T Clear tillings out	poor	almost no	Maj 001	irrelevant	no	poor	almost no	too few	irrelevant	no	no questions asked
most time used, many unclear points	partial	too short/long	some	partially relevant almost no	almost no	1 too short/long too short/long	ton short/long		nartially relevant	almost no	- Formation of
2 recolved simed at both see and can	. !				į	9.00.	A 4 6 18	2011	partiany resevant announce	adilostilo	יו אטוויפ וויניטוויפני,
	2 good	relevant parts	mapy	mostly adequate	some	2 informative, apt relevant parts	relevant parts	many	mostly adequate	some	inconclusive or too long
3 — +short, apt and clear, well prioritized	3 detailed,	accurate,	+ improvement	<u></u>	·	, brief but	accurate.	+ improvement	×	Χ	deeply incorrect or show
time managed efficiently	complex	conclusive	conclusive suggestions	adequate	good	accurate	conclusive	conclusive suggestions	adequate	good	-2 deep misconceptions
							İ			1	

1+ (.5 +

REVIEWER

Start from 1 and add/subtract



REPORTER

Start from 1 and add/subtract

SCORESHEET

stage:

fight (round no.): 4

room:

problem no.:

 $\overline{\omega}$

Juror's name: J. BALLMBE

CV

	REVIEW OF REPORT report summary discussion & understanding analysis poor almost no partial too short/long	analysis almost no oshort/long	own opinions too few some	own opinions pros & cons prioritisation too few irrelevant no some partially relevant almost no	prioritisation	REVIEW OF OPPOSITION speech discussion summary analysis poor almost no too short/long too short/long	lion sis	own opinions too few some	own opinions pros & cons prioritisation OLLESTIONS too few irrelevant no no que	ANSWERS TO JURY prioritisation OLLESTIONS concise and correct or no questions asked almost no 1 some incorrect,
ıumber, could	REVIEW OF REPC report summary & understandin poor	discussion analysis almost no	own opinions	pros & cons	prioritisation	REVIEW OF OPPC speech summary	sion	own opinions	pros & cons	prioritisat
- clear things out	poor	almost no	too few	irrelevant	no	poor	almost no	too few	irrelevant	
most time used, many unclear points		too short/long		partially relevant	almost no	1 too short/long	too short/long	some	nartially relevant	almost no
esolved, aimed at both rep. and opp.	2 good	relevant parts	many	mostly adequate	some	2 informative, apt	Relevant parks	many	mostly adequate	some
±short, apt and clear, well prioritized	3 — detailed,	accdrate,	+ improvement	Talk T		3 brief but	accurate,	+ i mpr ovement	fully	
ume managed efficiently	complex	conclusive	suggestions	adequate	good	accurate	conclusive	conclusive suggestions	adequate	good -2 deep misconceptions

REPORTER 1+ **1**+ **1**+ **1**+ Start from 1 and add/subtract 1=14

REPORT

phenomenor explanation almost no

theory/model almost no some good

> experiments relevant

theory and experiment

no/ almost no not well fitting

others' data, incorrectly cit

some own input

some

comparison between

own contribution

ddidd

some

SCORESHEET stage:

reporter: Romania opponent: fight (round no.):

Zealand reviewer: room:

Stredan problem no.: 人,他/3

Juror's name: Bashleato signature:

_	al greater extent	above average	al some aspects	solution	s interesting	∵ average	d to partly	ted misunderstood		task fulfilment	_
physics	₹ :	discussed	interesting points	2 = points cleared	some scientific	1 — V points cleared	only technical	n — almost no	contribution	scientific	DISCUSSION WITH OPPONENT
understanding	proved deep	convincingly supported	+ data/theory		many	_	some	too few	arguments/responses	relevant	OPPONENT
productive	efficient	to most guestions	answered directly		cooperated well	questions	avoided some	almost no, chaotic		efficiency	
deep misconceptions	-2 deeply incorrect or snow	- donah income		some incorrect,	iio questions asked	0 concise and contect of	Consiste and come	REVIEWER'S QUESTIONS	בייייייייייייייייייייייייייייייייייייי	OPPONENT and	ANSWERS TO JURY,

NOTES:

deep and comprehensible, detailed, complex,

demonstrative

detailed good fair

quite detailed,

+ results explained + reproducible,

sufficient number errors analysed

well performed,

some too few 함

shows physical insight | completely testable | convincing analysis | analysed, conclusive

well fitting, deviations

considerable experimenta considerable experimenta some interesting results review of sources, cited

and theoretical or theoretical

explained, conclusive qualitatively analysed

+ theory limits deviations

+ L __ √some unclear points QUESTIONS ASKED OPPONENT 1 — almost no, irrelevant some relevant, aimed at resolving short allowing short answers, + Start from 1 and add/subtract OPPOSITION (SPEECH) almost no

2 V not all very little almost all efficiently time used all & practically all points understanding of all relevant points some main points almost nothing main points presentation no or irrelevant relevant topics practically all addressed some many few

suggestions very good "	-	to most topics reasonable	to important topics some	y some almost no	almost no no	윤	correct own prioritisation	
-	<u>.</u>	w	2		0		_	Die
point(s)	new crucial	good	partial	ŀ	0 almost no irrelevant very little	contribution of topics presented	scientific	DISCUSSION WITH REPORTER
almost all		many	average	√ some	irrelevant	of topics	relevance	TH REPO
point(s) almost all suggestions	+ improvement	many many correct	Vsome correct	same	very little	presented	scientific relevance own oninions	ORTER
very efficient		quite efficient	leading or cooperative	V to some extent	almost no	emclency		
very good		reasonable	some	almost no	no	הוסוומפתוסוו		
- aeep misconceptions	— deeply incorrect or snow				questions asked	concise and correct or no	DEVIEWED'S OF ESTIONS	ANSWERS TO JURY and

REVIEWER

NOTES:

prioritized, all time used

Start from 1 and add/subtract

1+[25]+ = [50]

QUESTIONS ASKED

0 too few, mostly irrelevant	report summary
some relevant, sufficient number, could	& understanding
1 clear things out	роог
most time used, many unclear points	1 partial
$\frac{2}{2}$ resolved, aimed at both rep. and opp.	2 V good
3 +short, apt and clear, well prioritized	detailed,
time managed efficiently	Complex

REVIEW OF REPORT	report summary discussion & understanding analysis	poor	rts 1 partial to	op. 2 √ good N		ed 3 detailed,
	discussion analysis	almost no	too short/long	Melevant parts	accurate,	
	awn opinions	too few	some	V many	+ improvement	rigantions
	pros & cons prioritisation	irrelevant	partially relevant almost no	mostly adequate	fully	2000
	prioritisation	no .	almost no	some		3
REVI		0	—	2	٠.	٠
REVIEW OF OPPOSITION	speech	poor	too short/long too short/l	2 V informative, apt Jelevant p	brief but	
NOITIE	discussic	almost n	too short/l	Jelevant p	accurate	

tive, apt felevant parts rt/long too short/lon

conclusive

+ improvemen V many

suggestions

adequate

good

deep misconceptions

fully

discussion

own opinions

pros & cons

prioritisation

QUESTIONS

ANSWERS TO JURY

0 — concise and correct or

 \mathcal{K} ,no questions asked

almost no analysis

some too few

partially relevant mostly adequate

almost no some

_1 ____ some incorrect,

inconclusive or too long deeply incorrect or show

irrelevant

₹



REPORT

phenomenon explanation almost no

theory/model almost no

> experiments relevant

theory and experiment

others' data, incorrectly cited

misunderstood

partly

only technical some scientifi

almost no scientific

contribution

points cleared

comparison between no/ almost no

own contribution

task fulfilment

1444444

Some good

some fair

some fair too few

not well fitting

good

well performed,

SCORESHEET stage:

reporter: Romania fight (round no.):

opponent: New Zealandreviewer:

room: Ø SWODON

problem no.:

0

Juror's name: Paulo signature:

17 1X

DISCUSSION WITH OPPONENT convincingly supported arguments/responses understanding + data/theory proved deep relevant too few many some to most questions almost no, chaotic answered directly cooperated well avoided some productive questions efficiency **OPPONENT** and **REVIEWER'S QUESTIONS** ANSWERS TO JURY, concise and correct or inconclusive or too longno questions asked deep misconceptions deeply incorrect or show some incorrect,

NOTES:

deep and comprehensible, detailed, complex,

demonstrative

detailed

quite detailed,

+ results explained sufficient number

qualitatively analysed explained, conclusive

deviations

+ theory limits

errors analysed

+ reproducible,

well fitting, deviations analysed, conclusive

considerable experimental

and theoretical or theoretical

considerable experimental

some aspects above average

interesting points brought in new

discussed

points cleared

greater extent

than expected

physics

some interesting results review of sources, cited

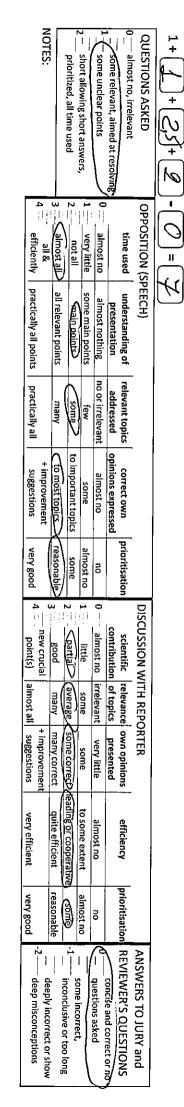
some own input

average solution

correct

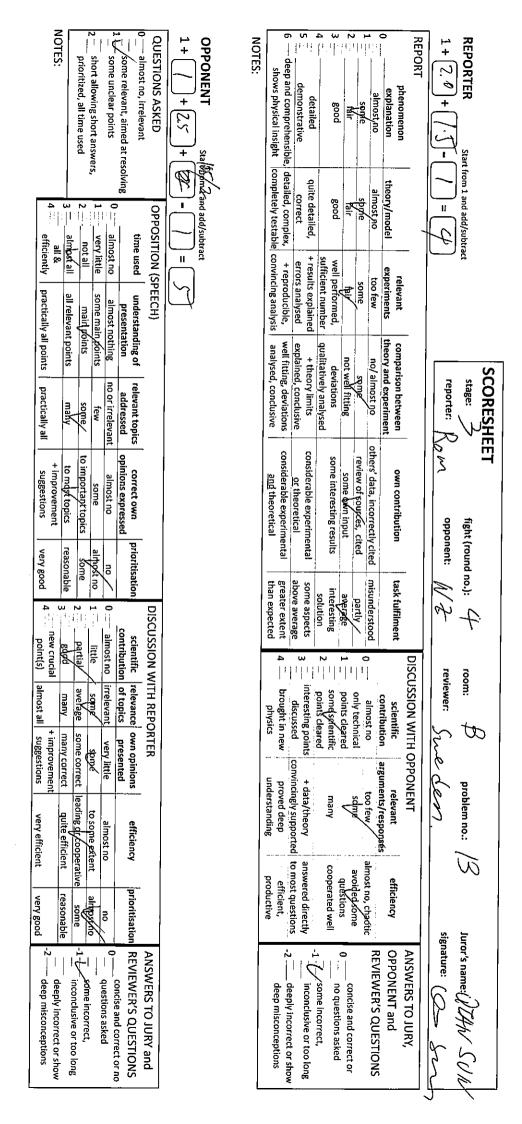
OPPONENT

Start from 1 and add/subtract



3 — +short, apt and clear, well prioritized 3 — time managed efficiently	2 resolved, aimed at both rep. and opp.	1 clear things out	O too rew, mostly irrelevant some relevant, sufficient number, could		1+ (2)+ (/5)+ (/5)-(0)
detailed, complex	good	poor	Report summary discussion analysis	REVIEW OF REPORT	0
conclusive + improvement suggestions	relevant parts	almost no	=	~~ -	
accurate, + improvement conclusive suggestions	many	too few	own opinions	_	É
fully adequate	partially relevant mostly adequate	irrelevant	pros & cons		
good	some	по	prioritisation		
3 brief but accurate	1 too short/long too short/long 2 - informative, apprelevant paps	0 poor	speech	REVIEW OF OPPOSITION	
accurate, conclusive	too short/long relevant pags	almost no	discussion analysis	SITION	
+ improvement suggestions	many	too few	own opinions		
fully adequate	partially relevant	irrelevant	pros & cons prioritisation QUESTIONS—		
good	almost no some	по	prioritisation		
deeply incorrect or show deep misconceptions	-1 some incorrect, inconclusive or too long	no questions asked	QUESTIONS————————————————————————————————————	ANSWERS TO JURY	

REVIEWER



	3 — +short, apt and clear, well prioritized 3 — detailed, accurate, + improvement tulk	Presolved, aimed at both rep. and opp. 2 good relevant/parts many mostly adequate	policial too silot y long, some	1 nartial / too short/load	L clear things outpooralmost notoo fewirrelevant	Some elevant, sufficient number, could 0 Some elevant, sufficient number, could	& understanding analysis	0 — too rew, mostly irrelevant report summary discussion own opinions pros & co	QUESTIONS ASKED REVIEW OF REPORT	
adequate good	6	date some	partially relevant almost no		no		-	pros & cons prioritisation	-	
accurate	3 bref but	2 informative; apt relevant parts	too short/long too short/long	<u>.</u>	noor	summary	absecti		REVIEW OF OPPOSITION	
conclusive	accurate,	relevant parts	too short/long	0111001110	almost no	analysis	HOREBORD		NOITISC	
conclusive suggestions	accurate, + improvement	many	some	COOLEM	too few		own opinions			
adequate		mostly adequate	partially relevant almost no	HEICAGIIL	irrolovant		own opinions pros & cons prioritisation CUESTICINS			
good		\ \		ē	3		prioritisation	:		
deep misconceptions	deeply incorrect or show	inconclusive or too long	some incorrect,	- do do cations assed	— no greetions asked	concise and correct or	COESTIONS	OHITCHIONIC	ANSWERS TO JURY	

REVIEWER

Start from 1 and add/subtract

11

\sim		
102 Type 2017	2 17 LUB 11/10 &	Yu

t

t

γәЯ

Sweden

ddO

4 aget2

дәу

Кел

9

七

ddO

E aggit

か

٤

dəу

MOMANIA

an Messerli	d-born Turica	tocalp	Mohut	Boj's	Confimann	g Team Member
8	士	Ş	8	9	8	votdiv olvog
8	9	ħ	G	Ł	9	ANZ NDID
+	t	ħ	9	七	9	Péter Bouss
ち こ	9	9	9	t	9	Votoghend prof
8.	.5	7	7	t	.9	Ishn Balcombe
γеЯ	ddO ′	Кер	Кел	qqO	Кер	Juror
Drouboas S	Komania	Sooden.	R. SMANIA	Sweden	New Loss	ms9T
0,004	Stage 2					
(10 2]	yuf bu	.s: (e. d.()	tnstsissA tdg	gi∃	:wooy	дрипоя

cerolb pritanosali 12. Tor sion Gyroscope 9 Ball in a Tube Accepted Problem Rejected Problems Fulling of + loural towni-1 olbbill rimmally wall- 99 P. Hr William (earnard Andrei Eric (Annegan Messerli Willian Focalp Roxama Draghia からつ Acting Rea R h 士 0) 七 5 h 8 9 L 十 わ

Signature Fight Assistant: Double-checked with Scoring Guidelines by second Fight Assistant (signature):