REPORTER
Start from 1 and add/subtract

1 +  $3\sqrt{3}$  +  $\sqrt{1}$  -  $\sqrt{1}$  =  $\sqrt{1}$ 



SCORESHEET

Stage: 1 Fight 2 E, Problem:

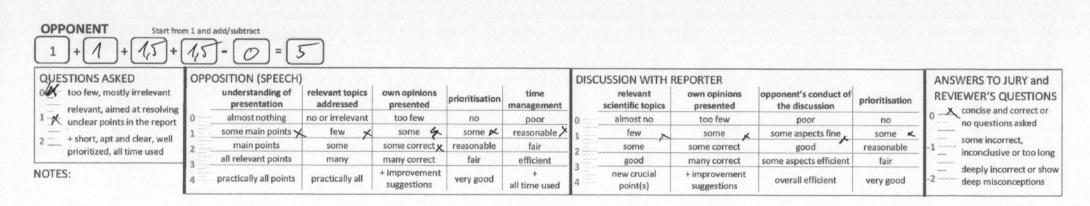
olarus

Wien:

Slovak YPT:

PORT				E=1,40,00°	<u>belarus.</u>		wien:	DISC	CUSSION WITH OPP	CNIENT	ANEWEDS TO HIDY
OKI	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISC	relevant arguments/responses	reporter's conduct at the	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTION
	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0		discussion	MEVIEWEN 3 QUESTIO
-	some	some	some	some	review of sources, cited	partly	partly clear	-	too few	poor	x concise and correct
	fair	fair	fair 📐	not well fitting	some own input	average	average	4	some	some aspects fine	
	good	good	well performed, sufficient number	deviations X qualitatively analysed	+ some interesting result	some aspects A above average	some parts >> well done	=	many ~ + data/theory	good X some aspects	some incorrect,
	detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	2	convincingly supported		inconclusive or too
	and comprehensible, ows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	deep misconceptio

NOTES:



1 + 1/5 + 1/5 + 2 +	$ \mathcal{L} $	- 0 =	8									
QUESTIONS ASKED	REVIEW OF REPO	RT		REV	IEW OF OPPO	SITION		DIS	CUSSION ANA	ALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant     relevant, meant to clarify unclear points	report evaluation & understanding	nroc & conc	prioritisation		speech evaluation	pros & cons	prioritisation		discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS concise and correct or
	poor/wrong	irrelevant	no	0	poor/wrong	irrelevant	no	0	almost no	too few	-1 irrelevant	no questions asked
+ suitably allotted to Rep & Opp,  most time used	1 partial	partially relevant		1	too short/long	partially relevant		.=	too short/long	some	0 none	some incorrect,
+ short, apt and clear, well prioritized,	2 good	mostly adequate	reasonable	2 ×	informative, apt	mostly adequate	reasonable	1-	relevant parts	Xmany	-x	inconclusive or too long
time managed efficiently	3 detailed, complex	fully adequate	good	3	condensed & accurate	fully adequate	good	2	accurate, conclusive	fully adequate	1 relevant,	-2 deeply incorrect or show deep misconceptions

NOTES:

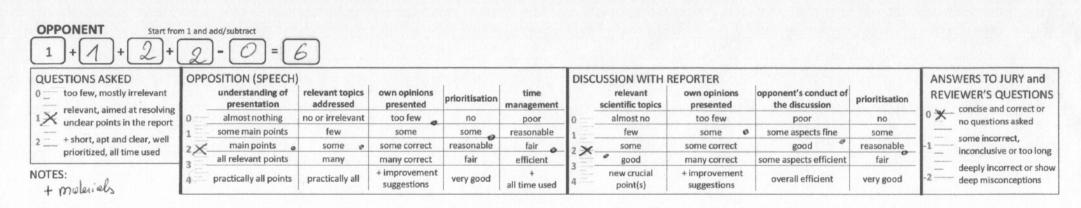
DELVIEN

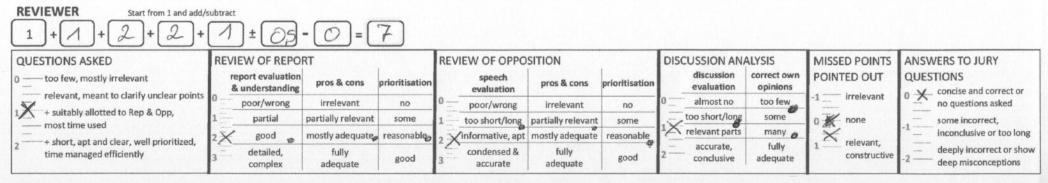
Eber, Alexander

REPORTER Start from 1 and add/subtract

REPORT	Γ							DISC	USSION WITH OPP	ONENT	ANSWERS TO JURY,
	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication		relevant arguments/responses	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTIONS
	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic		arguments/responses	discussion	NEVIEWER 3 QUESTIONS
	some	some	some	some	review of sources, cited	partly	partly clear	0	too few	poor	concise and correct or
	fair	fair	fair	not well fitting	some own input	average	average	-	some	some aspects fine	0 no questions asked
	good 5	good	well performed, sufficient number	deviations  qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	1	many  A + data/theory	good some aspects	some incorrect,
1 (10) (10) (10) (10) (10) (10) (10) (10	detailed demonstrative	quite detailed, * correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	2 ×	convincingly supported		inconclusive or too lon
Salara In Control		detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	deep misconceptions

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REPORTER Start fr	om 1 and add/subtra	oct	14824900 a	Stage: 1 Fight 2 E, F	Problem: 15	SIg			Lasserus, Max
1 + 4 + 15-	-od=[		回資源	Belarus: Mileil	a ct	Wien:	Slo	vak YPT:	
PORT							DISCUSSION WITH O	PPONENT	ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment		task fulfilment	science communication	relevant arguments/respons	reporter's conduct at the discussion	OPPONENT, and REVIEWER'S QUESTIONS
almost no some	almost no some	too few some	no/ almost no some	others' data, incorrectly cited review of sources, cited	misunderstood partly	unclear, chaotic	0 too few	poor	
fair	fair	fair	not well fitting	some own input	average	average	some	some aspects fine	concise and correct or no questions asked
good	good	well performed,	deviations	+ some interesting results	some aspects	some parts	1 many	good	some incorrect,
detailed	quite detailed,	+ results explained	qualitatively analysed + theory limits	considerable experimental	above average interesting	well done overall clear,	2 + data/theory convincingly support	some aspects red efficient	inconclusive or too lor
demonstrative deep and comprehensible, d shows physical insight		errors analysed + reproducible, convincing analysis	explained, conclusive well fitting, deviations analysed, conclusive	or theoretical considerable experimental and theoretical	solution greater extent than expected	+ complex concepts well communicated	3 — proved deep understanding	overall efficient	deeply incorrect or she deep misconceptions
too few, mostly irrelevant relevant, aimed at resolving unclear points in the report	prese 0 almost 1 some m	anding of releval addition no or in ain points	nt topics own opinion ressed presented relevant too few some	no poor some reasonab	ent scien  0 alr	on WITH REPORTER  elevant own opini tific topics presente most no too fev few some	the discussion poor some aspects fin	no e some	ANSWERS TO JURY and REVIEWER'S QUESTIO  concise and correct of no questions asked some incorrect,
prioritized, all time used	E-		ome some correct any  many correct	ct fair efficient	1 4	some & some corr good many corr		reasonable fair	inconclusive or too lo
TES:	4 practicall	y all points practi	cally all + improvement suggestions			v crucial + improved oint(s) suggestion	Overall efficient	very good	deep misconceptions
EVIEWER Start fro	om 1 and add/subtrac		le He bu	hole deca	ying Pa	in			
UESTIONS ASKED		/IEW OF REPORT	Γ ,	REVIEW OF OPPO	SITION			MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant		report evaluation & understanding	pros & cons prioriti	sation speech evaluation	pros & cons		duation opinions	POINTED OUT	QUESTIONS  o concise and correct or
relevant, meant to clarify ur		poor/wrong	irrelevant no	0 poor/wrong	irrelevant	no 0 alr	nost no too few	1 irrelevant	no questions asked
+ suitably allotted to Rep & most time used	Орр,	partial p	artially relevant son	ne / 1 too short/long	partially relevant	some toos	hort/long some	none	some incorrect,
+ short, apt and clear, well p	prioritized 2	good • n	nostly adequate reason	nable 2 informative, apt	mostly adequate	-reasonable	ant parts many	rolovan*	inconclusive or too lo
time managed efficiently	3	detailed, complex	fully goo	condensed & accurate	fully adequate		curate, fully ndusive adequate	relevant, constructive	deeply incorrect or sho
TES:									IYPT – March

REPORTER Start fro	om 1 and add/subtrac	+	回湯回	SCORESHEET		sig	n		Pfau, Hans-Linus
1+4+1-	e = 6		回来	Stage: 1 Fight 2 E, P Belarus: Regor		Wien: Oppor	nest Slova	k YPT: Re	viewer
0 explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPP relevant arguments/responses		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
almost no some	almost no some	too few some	no/ almost no some	others' data, incorrectly cited review of sources, cited	misunderstood	unclear, chaotic	0 too few	poor	
2 fair	fair	fair	not well fitting	some own input	partly average	partly clear average	some	some aspects fine	concise and correct or
3		well performed,	deviations		some aspects	some parts	1 many	good X	no questions asked
7	quite detailed,	+ results explained	/1	+ some interesting results considerable experimental	above average interesting	well done overall clear,	+ data/theory X	some aspects efficient	-1 some incorrect, inconclusive or too long
6 demonstrative 7 deep and comprehensible, de shows physical insight con		errors analysed* + reproducible, convincing analysis	explained, conclusive well fitting, deviations analysed, conclusive	or theoretical considerable experimental and theoretical	solution greater extent than expected	+ complex concepts well communicated	3 — proved deep understanding	overall efficient	deeply incorrect or show deep misconceptions
CODOLIGNE	om 1 and add/subtrace	= 6		lmost had t		ON WITH REPORTER			ANSWERS TO JURY and
0 too few, mostly irrelevant relevant, aimed at resolving	understa	anding of releva	nt topics own opinion ressed presented	prioritisation time manageme	re	elevant own opini tific topics presente	[H][[H][H][H][H][H][H][H][H][H][H][H][H]	prioritisation	REVIEWER'S QUESTIONS
1 X unclear points in the report	0 almost	nothing no or i	rrelevant too few	no poor	0 alr	most no too few	poor poor	no	no questions asked
+ short, apt and clear, well	-		ew some	some reasonabl	e 1	few some	some aspects fine	some	some incorrect,
prioritized, all time used			ome some correc		4	some some corr	The state of the s	reasonable	-1 inconclusive or too long
NOTES:	3	1	+ improveme suggestions	nt very good +	nev	good many corr w crucial + improver oint(s) suggestion	ment overall efficient	f fair 🗴	-2 deeply incorrect or show deep misconceptions
REVIEWER  1 + 2 + 2 + 2 + 1  QUESTIONS ASKED  1 — too few, mostly irrelevant  relevant, meant to clarify und  1 — + suitably allotted to Rep & C  most time used	clear points 0	± O <sub>1</sub> = -  TEW OF REPORT report evaluation understanding poor/wrong	pros & cons prioritis irrelevant no artially relevant som	REVIEW OF OPPOS speech evaluation  0 poor/wrong	SITION	prioritisation 0 alm		Issed Points DINTED OUT	ANSWERS TO JURY QUESTIONS  concise and correct or no questions asked  some incorrect,
+ short, apt and clear, well pr time managed efficiently	rioritized, 2	detailed, x complex	fully adequate goo	condensed & accurate	fully adequate	good 2 acc	curate, fully 1 - nclusive adequate	relevant, constructive	inconclusive or too long deeply incorrect or show deep misconceptions
NOTES: Very sharp of Questions To after the D		you	challerged	both partie	s mo	I formed y	iar own opin	vier	IYPT – March 2019

REPORT 1		om 1 and add/subtra	<u>"</u>	回発回	SCORESHEET Stage: 1 Fight 2 E, F	Problem: 15	sig	n Donel S	fem	Steiner, Daniel
1 +	6 + 2,7-5 -	<u></u>		回头些	Belarus: REP N	This Sepano	wien: OPP Some	L Rhomberg Slo	vak YPT: REV	Kurrel Regedus
REPORT						,		DISCUSSION WITH C	PPONENT	ANSWERS TO JURY,
	phenomenon	theory/model	relevant	comparison between	own contribution	task fulfilment	science communication	relevant	reporter's	OPPONENT, and
0	explanation almost no	almost no	experiments too few	theory and experiment no/almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	arguments/respons	conduct at the discussion	REVIEWER'S QUESTIONS
1	some	some	some	some	review of sources, cited	partly	partly clear	0 too few	poor	concise and correct or
2	fair	fair	fair	not well fitting	some own input	average	average	- some	some aspects fine	
3	good	good	well performed,	deviations gualitatively analysed	+ some interesting results	some aspects	some parts	many	good	some incorrect,
5	detailed	quite detailed,	+ results explained		considerable experimental	above average interesting	well done overall clear,	2 + data/theory convincingly support	some aspects	inconclusive or too long
6	demonstrative	correct	errors analysed	explained, conclusive	or theoretical	solution X	demonstrative		ted efficient	deeply incorrect or show
	and comprehensible			well fitting, deviations	considerable experimental	greater extent	+ complex concepts well	3 — proved deep understanding	overall efficient	deep misconceptions
	\ A4		convincing analysis	•	and theoretical	than expected	communicated			
NOTES:	") defferent	maternals	? ) d	flerent surfex	· of falls	1) -1.	green ?	") ຄຸກພອກ	and males	
	/ 11		,	11	at of passo,	) ary		) 2000	exphaneter	10000
OPPON	ENT							hud	iay	
OPPON		om 1 and add/subtra	<u> </u>							
1 +	1,5 + 2,6 +	3 - 0	]=[8]							
OLIESTIO	NS ASKED	OPPOSITION	(SPEECH)			DISCUSSI	ON WITH REPORTER			ANSWERS TO JURY and
	ew, mostly irrelevant			ant topics own opinion	ns time		elevant own opini	ons opponent's condu	ct of	REVIEWER'S QUESTIONS
10,000	ant, aimed at resolving	prese		ressed presented	prioritisation	AND THE RESERVE AND ADDRESS OF THE PARTY OF	ntific topics presente		prioritisation	concise and correct or
4	ear points in the report	0 almost	nothing no or	irrelevant too few	no poor	0 al	most no too few	poor	no	no questions asked
2 ×+ sh	ort, apt and clear, well	-		few some	some reasonab		few some	some aspects fir		some incorrect,
- AMERICAN STATE OF THE PERSON STATE OF THE PE	ritized, all time used	2 main	points × s				some some corr		reasonable	inconclusive or too long
NOTES:		13		many many correct + improvement	X	3 ,	good many corr w crucial + improver	nent X	^	deeply incorrect or show
NOTES.		4 practical	y all points prac	tically all suggestions	very good		point(s) suggestion	overall efficien	very good	deep misconceptions
·) well	inel quest	om 1 and add/subtra	1 -	·) Alm	ore gives, bo	dr	") oliveur	ur about de	rifying of	bout meterials
							20 1	. 1		1 1 . ,
1 +	2 + 2,5 +	2,5 + 35	15] ± (0,5] •	0 = 10			no ques	hor about &	puralificati	in of alignment vouse
OUESTIO	NS ASKED	RE	/IEW OF REPOR	T	REVIEW OF OPPOS	SITION	DISCUSS	ION ANALYSIS	MISSED POINTS	ANSWERS TO JURY
	few, mostly irrelevant	1	report evaluation		speech	SITION		cussion correct own	POINTED OUT	QUESTIONS
			& understanding	pros & cons prioritis	sation evaluation	pros & cons	prioritication	luation opinions		0 × concise and correct or
	ant, meant to clarify ur		poor/wrong	irrelevant no	0 poor/wrong	irrelevant	no 0 alr	nost no too few	-1 irrelevant	no questions asked
	tably allotted to Rep & time used	Орр,	partial	partially relevant son	ne 1 too short/long	partially relevant	some toos	hort/long some	0 none	// some incorrect,
-	ort, apt and clear, well p	rigitized 2	good	mostly adequate reason	nableinformative, apt	mestly adequate	reasonable relev	ant parts many	X	-1 some incorrect, inconclusive or too long
	managed efficiently	3	X detailed, complex	fully adequate good	od 3 condensed & accurate	fully adequate	×good 2 × ac	curate, X fully adequate	1 relevant, constructive	-2 deeply incorrect or show deep misconceptions
NOTES:	·) good allo	nalux of	most of	energy decay	P		couldn't	understand	waloojunemen	NYPT - March 2019
n			1 14 403				disolignment			

REPORTER Start f	rom 1 and add/subtra	act	回加回	SCORESH Stage: 1 F Belarus:	Fight 2 E, Pr	roblem:	Wien:	sig Opp.	Ali	W Slove	ak VPT: R	Widmann, Eberhard
REPORT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contri	bution	task fulfilment	science con	nmunication		ON WITH OP	PONENT reporter's conduct at the	ANSWERS TO JURY, OPPONENT, and
0 almost no	almost no	too few		others' data, inco	orrectly cited	misunderstood	unclear	, chaotic	argume	ents/responses	discussion	REVIEWER'S QUESTIONS
1 some	some	some	some	review of sour		partly		y clear	0	too few	poor	concise and correct or
2 fair	fair	fair	not well fitting	some own	input	average	ave	rage		some	some aspects fine	no questions asked
good good	good	swell performed,	deviations	+ some interest	ing results	some aspects		parts	1	many	good	some incorrect,
4		THE PARTY OF THE P	gadinatively analysed			above average		Charles and the second second	20 +0	data/theory	Usome aspects	inconclusive or too long
5 6 detailed demonstrative	quite detailed,	+ results explained errors analysed	+ theory limits explained, conclusive	considerable ex		interesting solution		ll clear,	convinc	ingly supported	d efficient	
deep and comprehensible,		+ reproducible,	well fitting, deviations	considerable ex	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	greater extent	traffic contract and agreement on the co	strative oncepts well	3 pn	oved deep	overall efficient	deeply incorrect or show deep misconceptions
17		convincing analysis		and theore		than expected		inicated	und	derstanding	Overall efficient	deep misconceptions
OPPONENT Start for	rom 1 and add/subtra	7 (e>p	., explou	attou	, Sa	V un	1887h	1 pa	ReWE	exell t	be tu	vertigated
	(-3)											
QUESTIONS ASKED	OPPOSITION	(SPEECH)				DISCUSS	ION WITH R	REPORTER				ANSWERS TO JURY and
0 too few, mostly irrelevant			nt topics own opinior	prioritisation	time		relevant	own opini	ons oppon	nent's conduct	of prioritisation	REVIEWER'S QUESTIONS
relevant, aimed at resolving	8		ressed presented	·	managemer		ntific topics	presente		ne discussion	prioritisation	concise and correct or
unclear points in the report			rrelevant too few	no	poor	-	lmost no	too few		poor	no	no questions asked
2 + short, apt and clear, well			few some	some	reasonable	1	few	some		ne aspects fine	some	some incorrect,
prioritized, all time used	2 Qall relev		ome some correc		fair	2	some	some corr		good	reasonable	inconclusive or too long
NOTES:	3 2001116164	ant points & m	many correct		efficient	3		many corr	mu	aspects efficier	nt fair	<ul> <li>deeply incorrect or show</li> </ul>
NOTES:	4 practicall	ly all points pract	suggestions	every good	all time use	4 /	point(s)	improver suggestio	"OV	erall efficient	very good	-2 deep misconceptions
900d  REVIEWER Start fr  1 + 2 + 3 +	Oliverom 1 and add/subtrar	clysis	0=10									
OHESTIONS ASKED	DE	VIEW OF REPOR	T U	DEVIEW	OF ORDOS	ITION		Discriss	TONI ANIAIVO	cic Iv	ALCCED DOLLITC	ANGWEDS TO HIDY
QUESTIONS ASKED					OF OPPOS	IIION	1		SION ANALYS		MISSED POINTS	ANSWERS TO JURY
0too few, mostly irrelevant		report evaluation & understanding	pros & cons prioritis	ation	speech valuation	pros & cons	prioritisation		AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	pinions	OINTED OUT	QUESTIONS
relevant, meant to clarify u	nclear points 0	poor/wrong	irrelevant no	0				-		too few	irrelevant	0 concise and correct or
1 + suitably allotted to Rep &	Opp,			P	oor/wrong	irrelevant	no					no questions asked
most time used	1-		partially relevant som	* 100		partially relevant	1	1		some 0	none	some incorrect,
+ short, apt and clear, well	prioritized, 2	good	mostly adequate reason	able 2 info	rmative, apt	postly adequate	reasonable			many	relevant,	inconclusive or too long
time managed efficiently	3/	detailed,	fully goo	d In	ndensed &	fully	good	2	curate, ndusive a	fully 1 dequate	constructive	deeply incorrect or show
		complex	adequate	3	accurate	adequate	0	-				deep misconceptions
NOTES:												IYPT – March 2019

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SCORESHEET

Stage: 2 Fight 2 E, Problem:

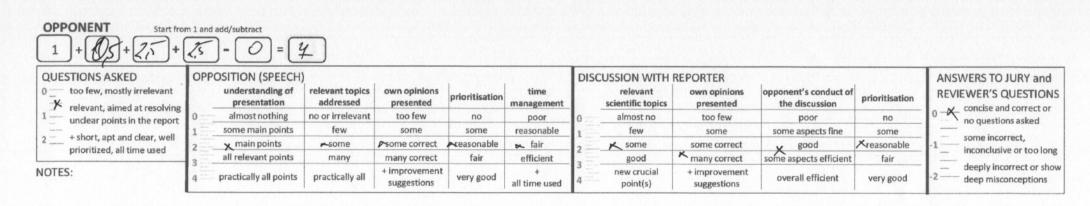
Stage: 2 Fight 2 E, Proble

Slovak YPT:

Belarus:

				hand coll too	WICH		Stovak II I.		Detai	401	
EPORT								DISCU	JSSION WITH OPP	ONENT	ANSWERS TO JURY,
	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	١.	relevant rguments/responses	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTIONS
	almost no	almost no	too few	★ no/almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic		rguments/responses	discussion	REVIEWER 3 QUESTIONS
	some	some	⊁ some	some	review of sources, cited	partly	partly clear	0	too few	poor	v concise and correct or
	fair	X fair	fair	not well fitting	x some own input	× average	★ average		some	some aspects fine	no guestions asked
	good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done		+ data/theory	> good some aspects	some incorrect,
	detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	c	onvincingly supported	efficient	inconclusive or too lo
NAME OF THE OWNER, OWNE	eep and comprehensible,	to the transfer of the state of		considerable experimental and theoretical	greater extent than expected	ent + complex concepts well		proved deep understanding	overall efficient	deep misconceptions	

NOTES:



NEVIEWER Start from 1 and add/s	subtract											
1 + 1,5 + 1,5 +	1 ± 0	- 0 = 0	6									
QUESTIONS ASKED	REVIEW OF REPOR	RT		REVI	EW OF OPPO	SITION		DIS	CUSSION AN	ALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant     relevant, meant to clarify unclear points	report evaluation & understanding	pros & cons	prioritisation		speech evaluation	pros & cons	prioritisation		discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS  Concise and correct or
	poor/wrong	irrelevant	no	0	poor/wrong	irrelevant	no	0	almost no	too few	-1 irrelevant	no questions asked
1 + suitably allotted to Rep & Opp,  —— most time used	1 x partial	partially relevant	some	1	too short/long	partially relevant	some		too short/long	some	0 K none	some incorrect,
+ short, apt and clear, well prioritized,	2 good	mostly adequate	reasonable	2	informative, apt	mostly adequate	reasonable	1_	relevant parts	many		inconclusive or too long
time managed efficiently	detailed,	fully adequate	good	3	condensed & accurate	fully adequate	good	2	accurate, conclusive	fully adequate	1 relevant, constructive	-2 deeply incorrect or show deep misconceptions

NOTES:

REVIEWER

Start from 1 and add/subtrast

1 . 11 . . .

REPORTER Start	from 1 and add/sub	tract	التاري	SCORESHEET	D la la		Sign	1			Eber, Alexander
1 + 263 + 2	1-10=	66		Stage: 2 Fight 2 E, F			И.	. 4 1		М	0 1
		00)	[m]26535	Wien: Sovoh T	ouber	Slovak YPT:					Shomber
REPORT		1	1					DISCUSSIO	ON WITH OP		ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communic	ation		relevant ents/response	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTIONS
almost no	almost no	too few		others' data, incorrectly cited		unclear, chaot	ic	0		discussion	
some fair	some s		some	review of sources, cited	partly	partly clear		_	too few some	poor	concise and correct or
fair	fair	fair ø	not well fitting	some own input	average	average	0	1		some aspects fine	no questions asked
4 good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done		X +	many data/theory	good some aspects	some incorrect,
5 detailed	quite detailed,	+ results explained	+ theory limits	considerable experimental	interesting	overall clear,	-		cingly supporte		
6 demonstrative	correct	errors analysed	explained, conclusive	or theoretical	solution	demonstrative		3 DI	roved deep		-2 deeply incorrect or show
7 deep and comprehensible, shows physical insight		<ul> <li>+ reproducible,</li> <li>e convincing analysis</li> </ul>	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concept communicated			derstanding	overall efficient	deep misconceptions
NOTES:			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	and their care	and respected	1 communicated					
QUESTIONS ASKED  1 too few, mostly irrelevant relevant, aimed at resolvi undear points in the repo + short, apt and clear, wel prioritized, all time used	unde pre pre ort 1 some 2 mg all rel	sentation add ost nothing no or i main points in points sevent points m	own opinion presented too few some ome some correct many with many correct suggestions.	no poor reasonable fair efficient very good +	ent scier  0 al  1 2 3 ne	most no t few some son good manuar arrangements arrangeme	TER nopinion esented oo few some ne correct ny correct proveming gestion	son ct ct some	nent's conduct he discussion poor me aspects fine good e aspects efficie	no some reasonable	ANSWERS TO JURY and REVIEWER'S QUESTIONS  concise and correct or no questions asked  some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
QUESTIONS ASKED  1 + 1,5 + 2  QUESTIONS ASKED  1 too few, mostly irrelevant relevant, meant to clarify  1 + suitably allotted to Rep	unclear points	± D =  EVIEW OF REPOR report evaluation & understanding poor/wrong	pros & cons prioriti	o poor/wrong	pros & cons irrelevant	prioritisation no 0	discu evalu almo	ost no	orrect own opinions too few	/IISSED POINTS OINTED OUTirrelevant	ANSWERS TO JURY QUESTIONS  0
most time used	1	-	partially relevant son	a coo siloi di long	partially relevant	some 1×	_	ort/long		none	some incorrect,
+ short, apt and clear, wel	Il prioritized,	X good	mostly adequate reason	nable 2 informative, apt	mostly adequate	reasonable	-	nt parts	many	relevant,	inconclusive or too long
time managed efficiently	3	detailed, complex	fully goo	od 3 condensed & accurate	fully adequate	good 2	eren.	urate, dusive a	fully 1 adequate	constructive	-2 deeply incorrect or show deep misconceptions
NOTES:											IYPT – March 2019

REPOR	TER Start fr	rom 1 and add/subtra	ct		SCORESH			20	SIE	n	Den		Lasserus, Max
1 +	15+7	·67=[		答案			Problem:						51 60
	ركا لكا	( ) ( )	1	Tell MCX.	Wien:	eules		Slovak	YPT: M	9.70	3 MesloBela	rus: 🗐	Sham 500
REPORT				1						DISC	USSION WITH OP	PONENT	ANSWERS TO JURY,
	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contrib	bution	task fulfilme	nt science co	mmunication		relevant	reporter's conduct at the	OPPONENT, and
0	almost no	almost no	too few		others' data, inco	rrectly cited	misundersto	od unclea	r, chaotic		arguments/responses	discussion	REVIEWER'S QUESTIONS
1	some	some •	some	some	review of source	ces, cited	partly	part	ly clear	0	too few	poor	concise and correct or
2	fair •	fair	fair •	not well fitting	some own	input #	average	av	erage =	1	some	some aspects fine	no questions asked
4	good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interest	ing results	some aspect		e parts I done	-	many	good	some incorrect,
5	detailed	quite detailed,	+ results explained	+ theory limits	considerable exp		interesting	overa	all clear,	2	+ data/theory convincingly supported	some aspects efficient	inconclusive or too long
6	demonstrative and comprehensible,	correct	errors analysed	explained, conclusive	or theore		solution		nstrative	3	proved deep		-2 deeply incorrect or show
			+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable exp		greater extent		concepts well unicated		understanding	overall efficient	deep misconceptions
OPPON		rom 1 and add/subtra	ct = R	US EX M									
OUESTIC	ONE VENED	ODDOSITION	(CDEECH)				DISCUI	CIONIMITH	DEDORTED				AMENUESE TO HISY
0 too	ONS ASKED few, mostly irrelevant	nrese	anding of releva	nt topics own opinion ressed presented	prioritisation	time manageme		relevant	own opini presente		opponent's conduct the discussion	of prioritisation	ANSWERS TO JURY and REVIEWER'S QUESTIONS
1 -	evant, aimed at resolving lear points in the report	A almost	nothing no or i	rrelevant too few	no	poor	0 ===	almost no	too fev		poor	no	o concise and correct or no questions asked
	nort, apt and clear, well		ain points	ew some	some	reasonabl	le 1	few	some		some aspects fine	some	some incorrect,
the summer.	pritized, all time used	4		ome some correct		Tun	9 2	some	some corr	ect	good	reasonable	inconclusive or too long
		3 all relev	ant points * n	nany a many correct		efficient	3	good *	many corr		some aspects efficie	nt fair >	- deeply incorrect or show
NOTES:	Vory 500d	7 4 practicall	y all points pract	+ improveme suggestions		all time use	ed 4	new crucial point(s)	+ improver suggestic		overall efficient	very good	-2 deep misconceptions
REVIEW 1 +	0,5+1,5+	rom 1 and add/subtrac	± 0 -	0=1									
QUESTIC	ONS ASKED	RE	IEW OF REPOR	Γ	REVIEW	OF OPPOS	SITION		DISCUSS	ION A	NALYSIS N	NISSED POINTS	ANSWERS TO JURY
0too	few, mostly irrelevant		report evaluation & understanding	pros & cons prioritis	ation	speech	pros & cons	prioritisatio		cussion duation		OINTED OUT	QUESTIONS
rele	evant, meant to clarify u	nclear points 0		irrelevant no	0	valuation			_	nost no	-1	irrelevant	0 concise and correct or
1+ su	itably allotted to Rep &	Opp,	poor/wrong partial		po	or/wrong	irrelevant	no		hort/lor			no questions asked
mos	st time used	-		partially relevant som		4	partially releva		1 relev	ant par	- 0	none	some incorrect,
2+ sh	nort, apt and clear, well	prioritized, 2		nostly adequate reason			mostly adequa	reasonable	Accessed the second	curate,		relevant,	inconclusive or too long
time	e managed efficiently	3	detailed, complex	fully good	1 2	ndensed & accurate	fully adequate	good		nclusive		constructive	-2 deeply incorrect or show deep misconceptions
NOTES:	3 ma	ally C	) /	our sher				f the	inp	انع	ied no	Nhs	IYPT – March 2019

REPORTER Start fr	om 1 and add/subtra	at .		SCORESHEET		<u>.</u>	sign	professor no relative	Pfau, Hans-Linus
1+35+1	0=6		i i	Stage: 2 Fight 2 E, Wien: Report		Slovak YPT:	t~ nogaC	Belarus: Roy	lewer
REPORT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION W	ITH OPPONENT reporter's	ANSWERS TO JURY, OPPONENT, and
almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	arguments/r	esponses discussion	REVIEWER'S QUESTIONS
some	some	some	some	review of sources, cited	partly	partly clear	too fe	1	concise and correct or
fair	fair	fair	not well fitting X	some own input	average	average ,	Y-1 - some	*	no questions askeu
4 good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	above average	some parts well done	many + data/th		some incorrect,
5 detailed <b>X</b> 6 demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	convincingly s	upported efficient	inconclusive or too long deeply incorrect or show
deep and comprehensible, compr	detailed, complex, ompletely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts w communicated	ell 3 proved d understar	OVERALI ETTICIENT	deep misconceptions
OPPONENT Start fr	actions of	phenomen he part andings	where you	and you she	ompere	silla Theorel the predic	ical starting	o-Paints. / theoretica	missed the Rodel with y
QUESTIONS ASKED  1 too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and clear, well prioritized, all time used  NOTES:	present almost 1 some main 2 main 3 all releva	anding of relevant addronothing no or in the points fee points so and points	relevant too few some some correct many correct sally all	no poor reasonal fair efficier	nent scier 0 al ble 1 2 3 ne	ON WITH REPORTE elevant own op ntific topics prese most no too few some some of good many of w crucial + impro point(s) sugges	opponent's the discrete poor ne some aspectorrect some aspectorent poor ne some aspectorent poor ne some aspectorent poor ne some aspectorent poor ne	prioritisation or no exts fine some reasonable ts efficient fair	ANSWERS TO JURY and REVIEWER'S QUESTIONS  concise and correct or no questions asked  some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
REVIEWER Start from 1 + 0 + 15 +	om 1 and add/subtrac	t	0=5		you you Par Har	brought some missed to a sinds from the should	hallenge so hallenge so he reperter's her leeen	its leut moné presentation adressed	
QUESTIONS ASKED	REV	IEW OF REPORT		REVIEW OF OPPO	SITION	DISCU	SSION ANALYSIS	MISSED POINTS	ANSWERS TO JURY
0too few, mostly irrelevant		eport evaluation	pros & cons prioritis	ation speech	pros & cons	princitication	discussion correct o	I OIITILD OOI	QUESTIONS
relevant, meant to clarify un	nclear points 0	& understanding poor/wrong		evaluation		0	evaluation opinion almost no too fev	1 irrelevant	0 concise and correct or
1 + suitably allotted to Rep &	Opp,		irrelevant no artially relevant som	poor/wrong	irrelevant	to	o short/long , some	7	no questions asked
most time used		1/	ostly adequate reason	100 311011/1011/6	partially relevant mostly adequate	Sollie 1	levant parts many	X 0 ₹ none	some incorrect, inconclusive or too long
+ short, apt and clear, well time managed efficiently	orioritized,	good 4 m detailed, complex	fully adequate good	condensed &	fully adequate		accurate, fully conclusive adequate	relevant, constructive	deeply incorrect or show
hotes: The questions brought up really char questi	did n't	14 403							IYPT — March 2019

REPORTER Start	from 1 and add/subtra	oct	回旋回	SCORESHEET Stage: 2 Fight 2 E, I	Problem: 14		in Level St		Steiner, Daniel
1 + 3 + 0,75	- 0 = 8	5	1000	_		Slovak YPT: [O	PP Moros Mes/Be	larus: [REV]	Home Shamber
REPORT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH	OPPONENT reporter's	ANSWERS TO JURY, OPPONENT, and
almost no	almost no	too few	✓ no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	arguments/respor	discussion	REVIEWER'S QUESTIONS
some	some	some	some	review of sources, cited	partly	partly clear	too few	poor	concise and correct or
fair	≺ fair	✓ fair  well performed,	not well fitting deviations	✓ some own input	average	× average	1 - × some many	some aspects fine good	no questions asked
√ good	good	sufficient number	qualitatively analysed	+ some interesting results	Some aspects above average	some parts well done			some incorrect,
detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	+ data/theory convincingly suppo	rted efficient	inconclusive or too long deeply incorrect or show
deep and comprehensible, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3 — proved deep understanding	overall efficient	deep misconceptions
1 + A + 3 · QUESTIONS ASKED	OPPOSITION	(SPEECH)			DISCUSSI	ON WITH REPORTER			ANSWERS TO JURY and
0 too few, mostly irrelevant	nrese		nt topics own opinion ressed presented	prioritisation		elevant own opini ntific topics presente		prioritisation	REVIEWER'S QUESTIONS
relevant, aimed at resolving undear points in the repo	ng .		relevant too few	no poor		most no too fev		no	concise and correct or no questions asked
+ short, apt and clear, wel	a some m	ain points f	ew some	some reasonab	le 1	few some	some aspects fi		some incorrect,
prioritized, all time used	2 Illall		ome some correc		6	some some corr	V -	reasonable	inconclusive or too long
OTES:	3 × all relev	ant points × m	any many correct	X	3	good many corr w crucial + improver		cient fair	— deeply incorrect or show
OTES.			suggestion:	very good all time us	ed 4 × p	w crucial + improver point(s) suggestion	overall efficier	nt very good	-2 deep misconceptions
1 + 0,35 + 2	from 1 and add/subtra $+ 2 + 1/2$	at	a debate,	but a Q & )	Ą		engular velo	v. 1	ongular momentes
QUESTIONS ASKED	RE	VIEW OF REPORT	Г	REVIEW OF OPPO	SITION	DISCUSS	ION ANALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant		report evaluation	pros & cons prioriti	sneech		dis	cussion   correct own	POINTED OUT	QUESTIONS
relevant, meant to clarify	unclear points o	& understanding		evaluation	pros & cons		luation opinions	-1 irrelevant	0 concise and correct or
+ suitably allotted to Rep 8		poor/wrong	irrelevant no	poor/wrong	irrelevant	110	nost no too few	-1	no questions asked
most time used			artially relevant son	too short/long	partially relevant	Some 1	hort/long some	0 → none	some incorrect,
+ short, apt and clear, wel	prioritized, 2	-	nostly adequate reason	able 2 Xinformative, apt	mostly adequate	16930Hable	rant parts   Many curate, fully	relevant,	inconclusive or too long
time managed efficiently	3 -	detailed, complex	fully goo	condensed & accurate	fully adequate	9	nclusive adequate	constructive	-2 deeply incorrect or show deep misconceptions
NOTES: ) too oleh	orled que	shiens ->	couldn't be	arrivered short	and cles	u ·) u	bremment ru	nonlinel	IYPT – March 2019
·) which of	seges special	icalle						1 10-0-0-0	
	.8	( " " " )							

REPORTER Start  1 + 4 / 5	from 1 and add/subtr:	act		SCORESHEET Stage: 2 Fight 2 E, F	Problem:	Slovak YPT:	sign JUSU  DDD - Be	Larus: Re	Widmann, Eberhard
REPORT		relevant	comparison between				DISCUSSION WITH O	1	ANSWERS TO JURY,
phenomenon explanation	theory/model	experiments	theory and experiment	own contribution	task fulfilment	science communication	relevant arguments/respon	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTIONS
almost no	almost no	too few	The second secon	others' data, incorrectly cited	The second secon	unclear, chaotic	0	discussion	NEVIEWEN 3 QUESTIONS
some 2	some	some	some	review of sources, cited	partly	partly clear	too few	poor	concise and correct or
fair	D fair	well performed,	not well fitting	some own input	average	average	some	some aspects fine	no questions asked
4 good	good	sufficient number	deviations qualitatively analysed	some interesting results	some aspects above average	some parts well done	many	good	some incorrect,
5 detailed	quite detailed,	+ results explained	+ theory limits	considerable experimental	interesting	overall clear,	+ data/theory convincingly suppor	some aspects ted efficient	inconclusive or too long
6 demonstrative	correct	errors analysed	explained, conclusive	or theoretical	solution	O demonstrative		ted emcient	-2 deeply incorrect or show
deep and comprehensible,		+ reproducible,	well fitting, deviations	considerable experimental	greater extent	+ complex concepts we	ell 3 proved deep understanding	overall efficient	deep misconceptions
NOTES:	completely testable	convincing analysis	analysed, conclusive	and theoretical	than expected	communicated	- unacrotanianig		
OPPONENT  Start  1 + 2 + 3  QUESTIONS ASKED  0 too few, mostly irrelevant relevant, aimed at resolvir unclear points in the repo 2 + short, apt and clear, well prioritized, all time used  NOTES:	opposition  opposition  opposition  underst  prese  almos  t  some m  amair  all relev	I (SPEECH)  tanding of releva and thothing no or in the points so the points of the po	nnt topics own opinion presented relevant too few some some correct any many correct suggestions	no poor reasonable fair	DISCUSSIC re scient 0 aln le 1 2 4 3 nev	DN WITH REPORTE elevant own op tific topics prese most no too few some some some o good many c w crucial or + improvoint(s)	opponent's conduited the discussion few poor some aspects flip orrect good orrect some aspects efficient overall efficient overall efficient from the conductive operant opera	ct of prioritisation no ne some reasonable fair	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
REVIEWER Start	GOOCI	under	toud ory	of the boot t	sorufal	out mi	STU Stad	lies, qu	whous not
1+(+2	+	±	0 = 6						
QUESTIONS ASKED	RE	VIEW OF REPORT	Г	REVIEW OF OPPO	SITION	DISCU	SSION ANALYSIS	MISSED POINTS	ANSWERS TO JURY
0too few, mostly irrelevant		report evaluation	nene 9 cone   nelevitio	speech			discussion correct own	POINTED OUT	QUESTIONS
relevant, meant to clarify	unclear points o	& understanding	pros & cons prioritis	evaluation	pros & cons	prioritisation	evaluation opinions	-1 irrelevant	concise and correct or
+ suitably allotted to Rep 8		poor/wrong	irrelevant no	poor/wrong	irrelevant	110	almost no too few	-1 Illelevant C	no questions asked
most time used	1	partial p	artially relevant p som	e 1 2 too short/long	partially relevant	301116	o short/long some	none none	some incorrect,
+ short, apt and clear, wel	prioritized 2	D good of	nostly adequate reason	able 2 informative, apt	mostly adequate	reasonable 4- 4e	levant parts 🧇 many	rolowant	inconclusive or too long
time managed efficiently	2	detailed,	fully	condensed &	fully	The secondary	accurate, fully	1 relevant,	- deeply incorrect or show
		complex	adequate good	3 accurate	adequate	good 2	conclusive adequate	227104 40440	deep misconceptions
NOTES:									IYPT – March 201

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SCORESHEET

Stage: 3 Fight 2 E, Problem:

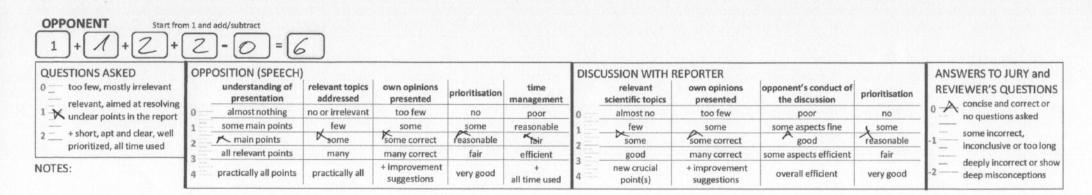
Slovak YPT:

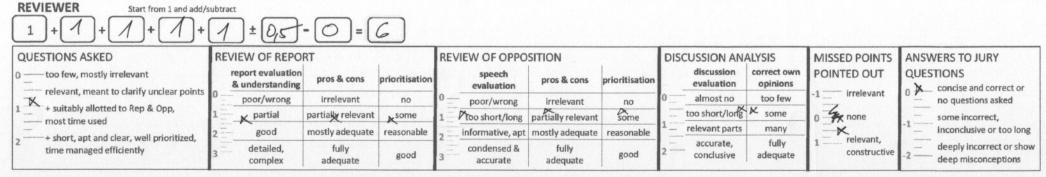
Belarus:

Wien:

	<del></del>			found of the co	Stovak IF I.		Detai us.	vvicii.		
PORT								DISCUSSION WITH OPP	ONENT	ANSWERS TO JURY,
	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	relevant arguments/responses	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTION
	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	, ,	discussion	REVIEWER 3 QUESTION
	some	some	some	some	review of sources, cited	partly	partly clear		2 poor	concise and correct of
	X fair	✗ fair	<b>≻</b> -fair	not well fitting	✓ some own input	average	average	some	some aspects fine	no questions asked
	good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	✓ some aspects     above average	✓ some parts  well done	many + data/theory	good some aspects	-1 × some incorrect,
	detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental	interesting solution	overall clear, demonstrative	convincingly supported		inconclusive or too
the state of the s	p and comprehensible, nows physical insight			well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3 proved deep understanding	overall efficient	deep misconception

NOTES:





NOTES:

1 . 11 . . .

the Eber,

sign control or

Eber, Alexander

REPORTER Start from 1 and add/subtract

1 + 6 + 2 - 0 = 9

REPORT

deep and comprehensible, detailed, complex,

theory/model

almost no

some

fair

good

quite detailed.

correct

1 . 1. . .

shows physical insight completely testable convincing analysis analysed, conclusive

phenomenon

explanation

almost no

some

fair

good

detailed

demonstrative

comparison between

theory and experiment

no/ almost no

some

not well fitting

deviations

qualitatively analysed

+ theory limits

explained, conclusive

well fitting, deviations

relevant

experiments

too few

some

fair

well performed.

sufficient number

+ results explained

+ reproducible,

errors analysed o

SCORESHEET
Stage: 3 Fight 2 E, Problem:

own contribution

review of sources, cited

some own input

+ some interesting results

considerable experimental

or theoretical

considerable experimental

and theoretical

Slovak YPT: Michael Patic

others' data, incorrectly cited misunderstood

task fulfilment

partly

average

some aspects

above average

solution

greater extent

than expected

interesting .

Belarus: Arseniy Wholod Wien: Sorch Rhomberg
DISCUSSION WITH OPPONENT ANSWERS

science communication

unclear, chaotic

partly clear

average

some parts

well done

overall clear,

+ complex concepts well

communicated

demonstrative \*

ANSWERS TO JURY,

	relevant arguments/responses	reporter's conduct at the discussion	OPPONENT, and REVIEWER'S QUESTIONS
	too few	poor	concise and correct or
	some	some aspects fine	no questions asked
	many	good	
<	+ data/theory convincingly supported	some aspects efficient	some incorrect, inconclusive or too long deeply incorrect or show
	proved deep understanding	overall efficient	deep misconceptions

NOTES:

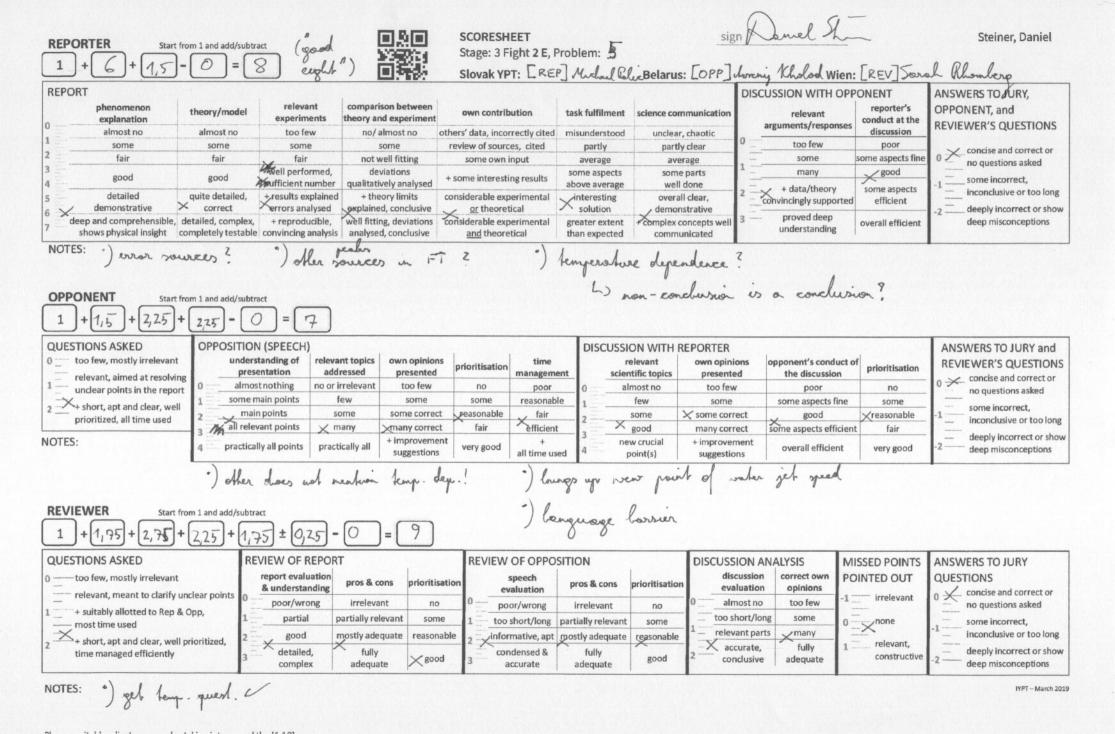
OPPONENT Start from 1 + 1 + 2,5 +	m 1 and	add/subtract	7									
QUESTIONS ASKED  10 too few, mostly irrelevant		OSITION (SPEECH) understanding of presentation	relevant topics addressed	own opinions presented	prioritisation	time management		relevant		opponent's conduct of the discussion	prioritisation	ANSWERS TO JURY and REVIEWER'S QUESTIONS
relevant, aimed at resolving undear points in the report	0	almost nothing	no or irrelevant	too few	no	poor	0	almost no	too few	poor	no	o concise and correct or
+ short, apt and clear, well	1	some main points	few	some	some	reasonable	1	few	some	some aspects fine	some	
prioritized, all time used	2 ,	main points	some	some correct	reasonable	fair	2 ×	some	some correct a	good	reasonable _	some incorrect, inconclusive or too long
prioritized, an time data	X	all relevant points	many	many correct	fair	efficient o	2	good	many correct	some aspects efficient	fair	
NOTES:	4	practically all points	practically all	+ improvement suggestions	very good	+ all time used	4	new crucial point(s)	+ improvement suggestions	overall efficient	very good	-2 deeply incorrect or show deep misconceptions

REVIEWER Start from 1 and add/s	ubtract									
1+1+1,5+1,5+	1 ± 0	- 0 =	6							
QUESTIONS ASKED	REVIEW OF REPO	ORT		REVIEW OF OPPO	SITION		DISCUSSION ANA	ALYSIS	MISSED POINTS	ANSWERS TO JURY
0 — too few, mostly irrelevant relevant, meant to clarify unclear points	report evaluatio & understandin	nroc & cone	prioritisation	speech evaluation	pros & cons	prioritisation	discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS  concise and correct or
+ suitably allotted to Rep & Opp,	poor/wrong	irrelevant	no	0 poor/wrong	irrelevant	no	0 almost no	too few	-1 irrelevant	no questions asked
most time used	1 partial	partially relevant	some	1 too short/long	partially relevant	some	too short/long	some	0 × none	some incorrect,
+ short, apt and clear, well prioritized,	good ®	mostly adequate	reasonable	informative, apt	mostly adequate	reasonable	relevant parts	many	-	inconclusive or too long
time managed efficiently	detailed, complex	fully adequate	good	condensed & accurate	fully adequate	good	2 accurate, conclusive	fully adequate	1 relevant,	deeply incorrect or show deep misconceptions

NOTES:

REPORTER  1 + 5	2,5 start fr	om 1 and add/subtra	et 9	国業国 第2分2 国第33	SCORESHEET Stage: 3 Fight 2 E, F Slovak YPT:	Problem:	Belarus:	sig	1	Serus ien: Rhan	Lasserus, Max
REPORT						~~			DISCUSSION WITH	OPPONENT	ANSWERS TO JURY,
pheno	menon nation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science com	munication	relevant	reporter's	OPPONENT, and
almo	ost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear,	chaotic	arguments/respo	discussion	REVIEWER'S QUESTIONS
4	me	some	some	some	review of sources, cited	partly	partly	clear	too few	poor	concise and correct or
fi	air	fair	fair	not well fitting	some own input	average	aver	age	some	some aspects fine	no questions asked
A go	ood	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some p	539590000110000000	many	good	some incorrect,
4	ailed	quite detailed,	+ results explained	+ theory fimits	considerable experimental				+ data/theory		inconclusive or too long
0	strative morehensible of	correct detailed, complex,	errors analysed + reproducible,	explained, conclusive well fitting, deviations	or theoretical considerable experimental	solution greater extent	+ complex co		3 — proved deep	overall efficient	deeply incorrect or show deep misconceptions
			convincing analysis		and theoretical	than expected	commun		understanding	overall efficient	deep misconceptions
relevant, air unclear poir + short, apt	skED ostly irrelevant med at resolving ints in the report and clear, well all time used	9 prese 0 almost 1 some m 2 main 3 all relev	(SPEECH) anding of releva ntation addi nothing no or in ain points for points so ant points m y all points practi	mt topics own opinion presented too few some some correct any many correct cally all	no poor reasonable fair efficient	ent scier o al	ON WITH RE elevant ntific topics most no few some good w crucial point(s)	some corr many corr + improven suggestio	poor some aspects of good ect some aspects efficient overall efficient	no no some 7 reasonable icient fair	ANSWERS TO JURY and REVIEWER'S QUESTIONS  concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
1+7	+ +++++++++++++++++++++++++++++++++++++	2+2	± 0 -	0=7							
QUESTIONS AS	KED	RE	VIEW OF REPORT	Γ	REVIEW OF OPPO	SITION		DISCUSS	ION ANALYSIS	MISSED POINTS	ANSWERS TO JURY
0too few, mo	ostly irrelevant		report evaluation	pros & cons prioritis	ation speech	pros & cons	prioritisation		cussion correct own	POINTED OUT	QUESTIONS
relevant. m	eant to clarify u	nclear points o	& understanding		evaluation	pros actoris	prioritisation	-	luation opinions	-1 irrelevant	0 concise and correct or
	llotted to Rep &		poor/wrong	irrelevant no	poor/ wrong	irrelevant	no		nost no too few	interevant	no questions asked
most time u		1	partial 5 p	artially relevant som	e 1 too short/long	partially relevant	some	1	nort/long some	0 none	some incorrect,
	and clear, well	prioritized 2	good n	nostly adequate reason	ableinformative,apt	mostly adequate	reasonable	Andrews Property	ant parts many		inconclusive or too long
1.6	ged efficiently	3	detailed, complex	fully goo	d condensed & accurate	fully adequate	good		curate, fully adequate	relevant, constructive	deeply incorrect or show deep misconceptions
NOTES:											IYPT – March 2019

REPORTER Start fr	om 1 and add/subtra	ct		SCORESHEET Stage: 3 Fight 2 E, F	Orablam:	sig	n		Pfau, Hans-Linus
1 + 5,5 + 2,5 -	- 1 = 7	8		Slovak YPT: Re		Belarus: OPP	enext Wie	en: Reviel	,
REPORT phenomenon	theory/model	relevant	comparison between	own contribution	task fulfilment	science communication	DISCUSSION WITH C	reporter's	ANSWERS TO JURY, OPPONENT, and
0 explanation		experiments	theory and experiment	-11			arguments/respons	conduct at the discussion	REVIEWER'S QUESTIONS
almost no some	almost no some	too few some	no/ almost no some	others' data, incorrectly cited	misunderstood	unclear, chaotic	0 too few	poor	
2 fair	fair	fair	not well fitting	review of sources, cited some own input	partly	partly clear	some	some aspects fine	concise and correct or
3 good X	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	1 many	good	no questions asked  DIMENSION  some incorrect,
5 detailed 6 demonstrative 7 deep and comprehensible, comprehe		+ results explained errors analysed ) + reproducible, convincing analysis	explained, conclusive, well fitting, deviations	considerable experimental or theoretical considerable experimental and theoretical	interesting solution greater extent	overall clear, demonstrative + complex concepts well communicated	2 + data/theory convincingly support 3 proved deep understanding	overall efficient	deeply incorrect or show deep misconceptions
OPPONENT Start fr  1 + 1 + 2 +	om 1 and add/subtra	on July	you focu Be o	red on Hela		_	Dates 1	Fremperatu Explained	re-Dependency?
QUESTIONS ASKED  1 too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and clear, well prioritized, all time used  NOTES:	prese almost some m main main main main main main main mai	anding of add nothing no or in ain points points and points nothing no or in ain points and points and points nothing no or in ain points nothing noth	own opinion presented too few some some correct many cically all some suggestions	no poor reasonable fair efficient	scient scient o alr	DN WITH REPORTER elevant own opini tific topics presente most no too fev few some some some com good many com w crucial + improve oint(s) suggestion	the discussion of poor some aspects firect good rect some aspects efficient ons overall efficient	no le some reasonable fair very good	ANSWERS TO JURY and REVIEWER'S QUESTIONS  concise and correct or no questions asked  some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
REVIEWER Start from	you were om 1 and add/subtra	left ou		presentation of	A lu	t confusing	- Take yar to formul Questions is organized	n a more	
QUESTIONS ASKED  1 too few, mostly irrelevant relevant, meant to clarify us suitably allotted to Rep & most time used + short, apt and clear, well time managed efficiently	Opp,		pros & cons prioritis irrelevant no partially relevant som mostly adequate reason fully adequate good	evaluation  poor/wrong  too short/long able informative, apt condensed &		no o alr cos o reasonable acc	cussion correct own opinions nost no too few	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 show deep misconceptions
NOTES:									IYPT – March 2019



REPORTER Start	from 1 and add/subtra	vrt.		SCORESHEE				sight	MULL	_	Widmann, Eberhard
1 + 5 + 3	- ( ) = ( )	37	1000	Stage: 3 Figh	nt 2 E, Proble	em:		05	/(		Day
<u> </u>				Slovak YPT:	Ket	)	Belarus:	OP	· W	ien:	ROU
REPORT					1			( 0	SCUSSION WITH	OPPONENT	ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	on task	c fulfilment	science comm	unication	relevant arguments/respor	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTIONS
almost no	almost no	too few	no/ almost no	others' data, incorrec	tly cited misu	understood	unclear, ch	aotic		discussion	REVIEWER 3 QUESTIONS
some	some	some	some	review of sources,	cited	partly	partly cl	ear	too few	poor	concise and correct or
fair	fair	fair	not well fitting	some own inpu	ut a	average	averag	e 1	some	some aspects fine	no questions asked
4 good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting I	esuits abo	ne aspects ve average	some pa well do		- many - + data/theory	good some aspects	some incorrect,
5 detailed	6 quite detailed,	+ results explained		considerable experi		teresting	overall cl		convincingly suppo		
6 demonstrative	correct	errors analysed	explained, conclusive	or theoretical		solution	demonstr		proved deep		-2 deeply incorrect or show
7 deep and comprehensible, shows physical insight	completely testable	+ reproducible,	well fitting, deviations analysed, conclusive	considerable experie		n expected	communic		understanding	overall efficient	deep misconceptions
1+++2	+	= 4	6								
QUESTIONS ASKED	OPPOSITION	(SPEECH)				DISCUSSIO	ON WITH REF	ORTER			ANSWERS TO JURY and
0 too few, mostly irrelevant			nt topics own opinio	ns	time		elevant	own opinions	opponent's condi	uct of	REVIEWER'S QUESTIONS
relevant, aimed at resolvi	ne prese	entation add	ressed presented	prioritisation m	anagement	scien	tific topics	presented	the discussion	prinritisation	concise and correct or
unclear points in the repo	almos	t nothing no or	rrelevant too few	no	poor	0 alr	most no	too few	poor	no	no questions asked
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	all relev	vant points on	nany many corre		efficient	3	good	many correct		cient fair	deeply incorrect or show
NOTES:	4 practical	ly all points pract	ically all + improvem suggestion	Very good	+ Il time used	N	w crucial -	+ improvemer suggestions	overall efficien	nt very good	-2 deep misconceptions
REVIEWER Start  1 + + -	from 1 and add/subtra	±	0=7								
QUESTIONS ASKED	RE	VIEW OF REPOR	Т	REVIEW OF	OPPOSITIO	N		DISCUSSIO	N ANALYSIS	MISSED POINTS	ANSWERS TO JURY
0 ——too few, mostly irrelevant		report evaluation & understanding	pros & cons priorit	ISSTION	ech ation pro	os & cons	prioritisation	discus evalua		POINTED OUT	QUESTIONS concise and correct or
^_		poor/wrong	irrelevant n	o 0 poor/	wrong in	relevant	no 0	almos	t no too few	-1 irrelevant	no questions asked
+ suitably allotted to Rep	& Opp,	partial p	partially relevant so			ally relevant	~some	too shor	rt/long some	none	some incorrect,
most time used		ce good o	mostly adequate reaso	0	tive, apt most	-	2	- gelevant	t parts many	-	inconclusive or too long
+ short, apt and clear, we time managed efficiently	prioritized,	detailed,	fully	od 3 conder	nsed &	fully	good 2	accura		1 relevant,	deeply incorrect or show deep misconceptions

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