

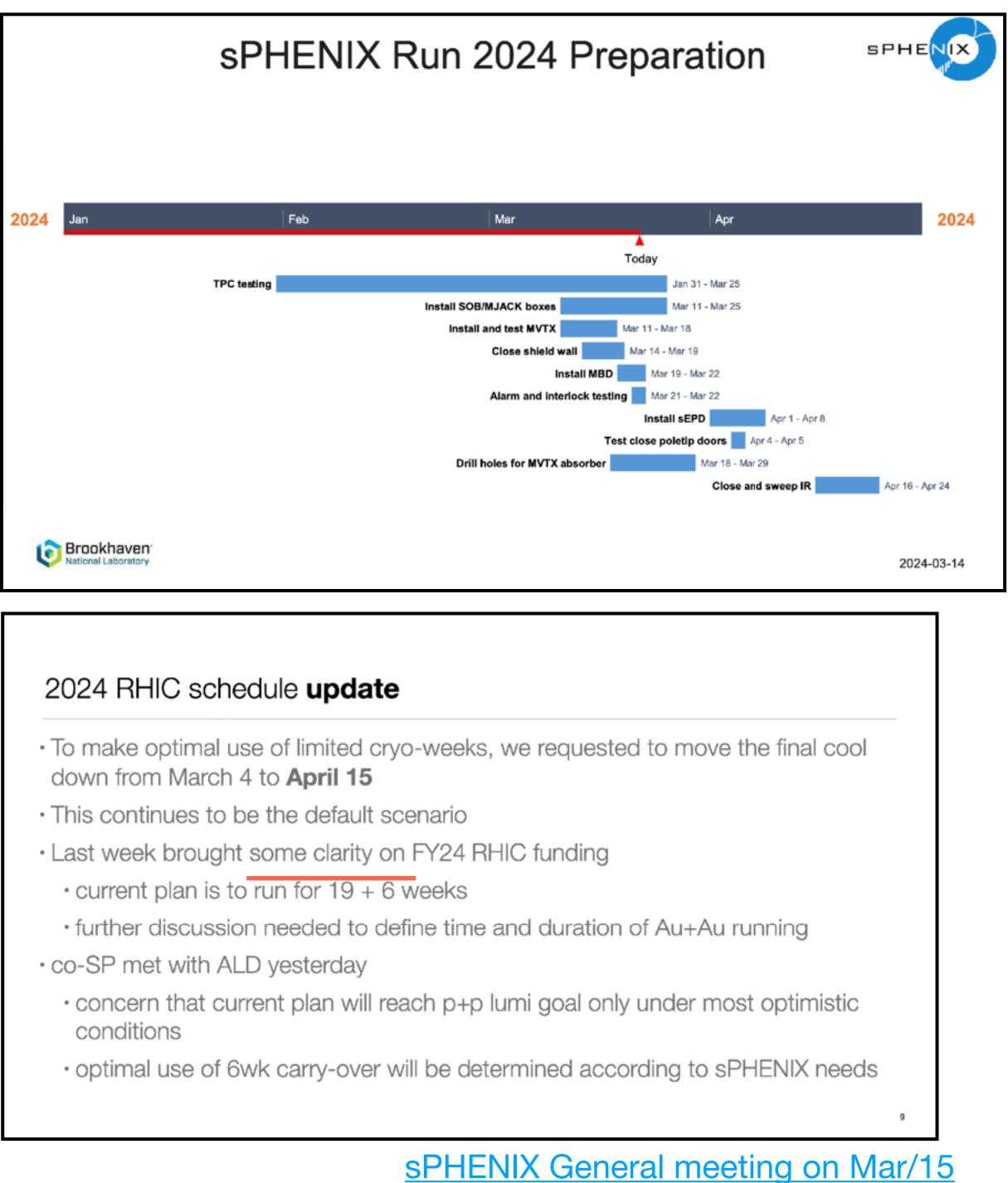
Yes, the door was closed!



Current situation

- √ 02/2024: End of TPC maintenance
- ✓ Feb/22—Mar/4: INTT ROC reinstallation on the south side
- ✓ Mar/5 Mar/12: INTT ROC reinstallation on the north side
- ✓ Mar/13:

- MVTX reinstallation
- ✓ Mar/26: MBD reinstallation on the south side
- sEPD reinstallation April/2024:
- Aprl/15:
- May/2024 —:
- RHIC 4 K cool down started
- pp collosions



Collaboration meeting

Collaboration meeting: May 28-31

- Format will differ from prior meetings, multiple goals:
 - Ideally, we will see a performance snapshot from initial running ٠
 - Input for strategy discussions for remainder of the run
 - Approval session for SQM/AUM
 - Will set aside time (e.g. 4 x 3h) for working meetings/workfests ٠
 - Already requested by tracking group •
 - Encourage other groups to plan similar activities •
 - Plenary session time will be used judiciously to avoid disruption of runrelated activities



INTT ROC reinstallation & Ladder tests

ROC reinstallation

Rachid, Dan, and Jeff physically placed ROCs and made most of the cable connections. Rachid and Genki took responsibility for the conversion cable connections.

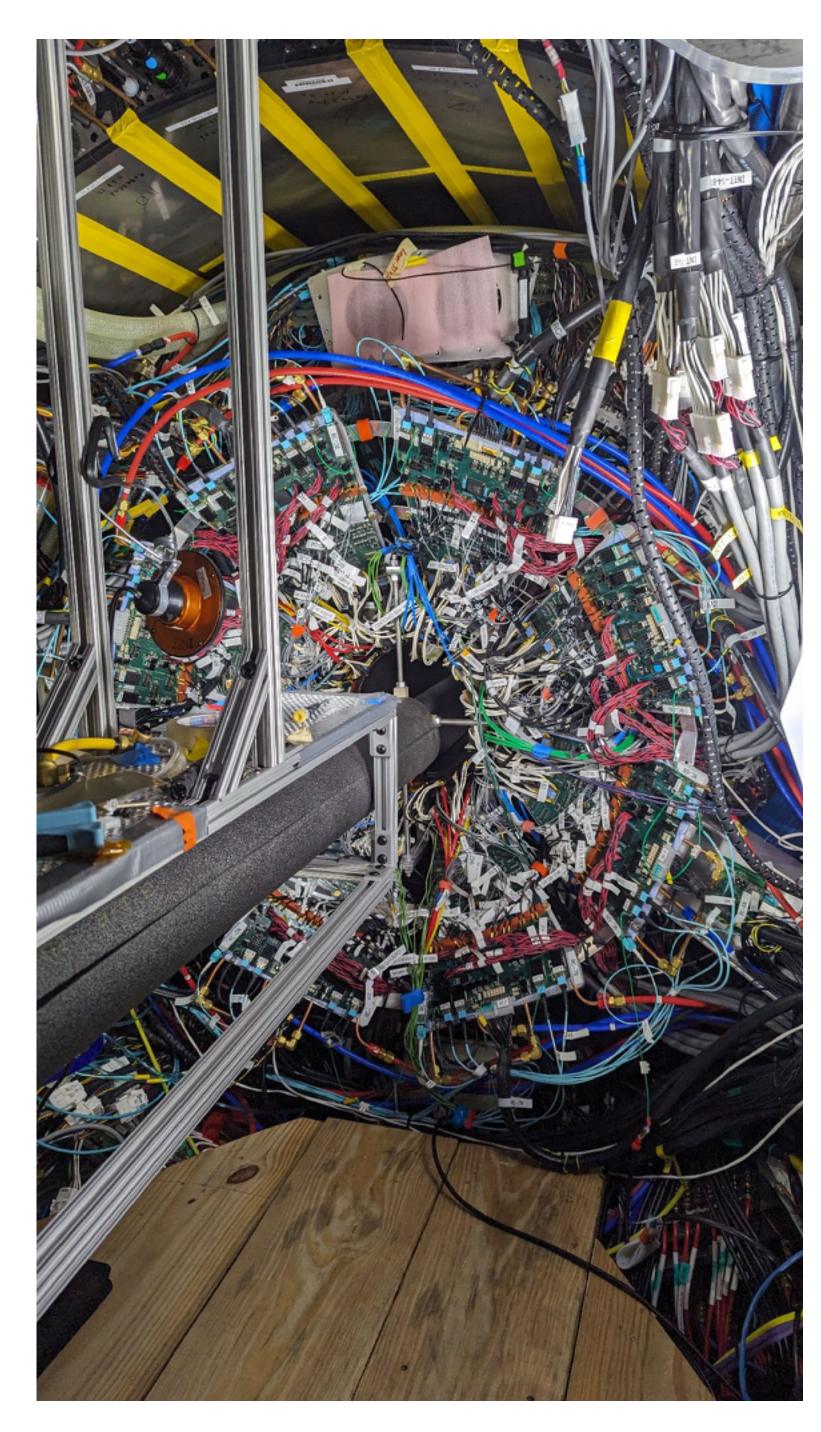
Ladder tests

Due to the absence of Raul in the beginning, we tested the ladders by pedestal measurements with RCDAQ. So we could check

- LV and HV
- Connection of conversion cables
- Slow control commands (by changing DAC0)
- the reaction by FPHX chips
- signals from silicon strips

Tests could be conducted much smoother than last year. We finished all the tests $\times 2$ faster than the original plan.

We also started testing ladders by calibration measurement. It's more or less working though more investigation/implementation are needed.



Test results

INTT Homepage

 <u>Commissioning plots</u> <u>Milan's plots page (for 2023 data)</u> 			
<u>INTT Standing Orders</u>		Comm	nission
Documents			
• Channel classification	Reload Run Log (Google Spreadsheet) Process request form		
 <u>Testbeam G4 code</u> <u>felix</u> <u>general codes</u> 	List of runs		
	calib	pedestal	cosmics
	 <u>03012035</u> (intt1) <u>03012059</u> (intt1) 	 <u>00030287</u> (intt0) <u>00030316</u> (intt0) 	
	 <u>03012104</u> (intt1) <u>03031049</u> (intt0) <u>03031054</u> (intt0) 	 <u>00030317</u> (intt0) <u>00030318</u> (intt0) <u>00030369</u> (intt0) 	
	 <u>03032024</u> (intt0) <u>03032052</u> (intt1) 	 00030373 (intt0) 00030375 (intt0) 	
	 <u>03032058</u> (intt1) <u>03032104</u> (intt1) 	 <u>00030378</u> (intt0) <u>00030379</u> (intt0) 	

sPHENIX members can access the test results:

https://sphenix-intra.sdcc.bnl.gov/WWV/ subsystem/intt/commissioning_plots/2024

(SSH tunnel to 1008 servers needed)

intt0

intt0

PPL D CH13 * R 12000 F00 pc4 PC PC1 D CH12 + R 02 pc4 PC F00 pc4 PC F00 pc4 PC F00 pc4 PC F00 pc4 PC

PRUSICALS DALOS DAGORALS PELIS GHO - 3 BIOLOSIS PROPECTAL

FELB CHA RAINOF PAC pr-1 CI FELB CH7 - 3 CR, AM PAC pr-1 C

Field City and Biological Processing States

PPI 0 DHS 1 Rection Re

FELECHO PILIZZE POC profile

g plots in 2024

beam

junk

- <u>00029642</u> (intt0, 1)
- <u>00029643</u> (intt0, 1)
- <u>00029644</u> (intt0, 1)
- 00029667 (inst0, 1, 2, 3, 4, 5, 6, 7)
- 00029674 (intta, 1, 2, 3, 4, 5, 6, 7)

Run 31749

-		_					-																			
···· 6	1 pi	2	a del		1		-		2	10		12	15	14	10	15	17	18	12	20	21	22	23	24	25	26
a 241			1.	1.10		140	e afte	T. Salar	12.44	4-4	-	10.00	1	/m	C^{*}		.		1	r Brite		6 147	M.	194	400	141
	1.4	ri,il	101-	p.,	ANA IN	90.10 ¹	100	LMIP	1	4.11	Let the	.inh	a. 14	in m	din'	14	144	9 1 1	1901	ounte	N ije Na	and the	1.00	1.10	e la la	alat
e an la	-		100														-	-			+ + + -					
I		1	-	Low La		1.14	1.4	***	-	444	4.46	UPAR.	-		1	-			1 and				100	4	4014	144
	a de	1.04	unt	-	1.00	all	L.A	ad	No.	144	14.54	444	يو يل	with	HAL	al and	the for	AN I	-	1	welt	ant	ulus	and a	della	wike.
ne 📕			1.0	-			A.M.	A HER	41.4	6 P.C	1	and a							1.0	111				14.1	an la	
	2	PUL-	الازم	414	We hr	**	HP	(HA)	-	1	44	- staff	44	WWW.	and the	444	in the second	4.57	Verter	Pplit	19.14	H.W	pre-	1.4.14	14	-44
*** <mark>i</mark>	pla-	and it	in	Ind-	AL.		heret	and a	wet					in A	vie P	-	40.4	-ch'	+ My	VAN	in	-	and in	andk.	-Hu	u+M
ran 🔍										pis de	MUN	di Mas	1									_				
	-	~	\$-1.9J	1.100		1.00	***	1.T.M.		4	·**	-al-m	Arres		**	1	ale at	1	-base	494	ann	-	-41-		-	.heat
* AL			1.4.1	und	-	1.	141.00		de cal		1.00			l, int		1.00	Nis.	10.00	1.1.0	Jak					(ide	
• 👖	a)n	-MT	1		17	I Head	Albert	- 12	м °Г	r 17	11	111	10-1					1.94	144	No 1	-	×1.	11	MAIN	A**	1.000
1	199	4/11	wine'	44	19.00	1	4.17	14H	thin	ell'el	-	Ar.	~4	And	urt'rt	***	4/14	14-15	- the last	-	-	1.44	14	UPP	with a	n ha fi
*** J	-	, Li	100		11	-			4.44			1		4.14	N.	2,44	erer,		Lilia					110	a Ul	
e 41 -			E													1						<u> </u>		r.,		
1	4-1-	she	18-M	144	1-1	***	with	-	10-1	(Y) and	he la	Arres	-	thirs.	gri /i	n'm	lia M	-pt	rily	44	m/	with the	\$1.6	hat	WHY.	NYN
*,	1 ,14	-	-		100				uare				144	4-115	Arbite	inter	- 08-	1004						a a la a		
100			an An	artis		n i	19193	1.4	yan	1	w,T	1000	H.A.			11.00	10	1.1	1.14	N/N	1.00	d,-u,	-	Part 1	1	
-	Mi-	-	Nº4	-	(Shipping	1.4	high	the state	(dire	AND .	100	Num	a let	MAN-	the second		**	(* 4Y	-	UR P	-	ret st	a-4	prot	.with	1,8-1
ear -		اللغ ا		10	Minto								11.41	ماروري		(June)	.A.	in su		0.0						
					POIL.	1	4.44	11	Name	a ser	PET	(THE	and the second	N	in pro-	1	14.4	0.4	1.96.		4nw	14.	a series	144	214	444
c	ilipt	2	•0 ar a	4	a ar	6	ः । जन 7	6 107 6	9 9	5 III 13	11	13	15	11	15	8 m. 16	0 10 17	19	18	20 20	0 107 21	22	е ш 53	24	55 S	3 27 26
-		-	-	-														-		-		-				_
											p	ede	est	a												

Hist distributions

chunk 0000

intt0 nc-as		Chip 1	z	,	<u>.</u>	,	6	7	8	,	10	11	12	15	14	15	19		15	. 19	20	21	22	22	24	25	26
FELIX CHS ACLI MA					had						21	1				Land	1.	al de				1.1.					
RDC port A1		de f	R.F.	M	10	m	t the	1	19			1	1		M	414	m	MU	YY	YM	H	W	H	如柳	11	44	YIN
1 Base on a	ar 16						••••						14														
et Lotes Held por Dr		YŤ	I M ¹	MIN	e a la	PM	e de	(ph)	h-Al	ł#	44	pm	W	ryh.	M	i de la constante de	40	1	1	hillio	149	PAN	M	14	ri a	NOP.	(hill
PELIX CHA	**	e***		l.	The		t,	i.					. L					10		AL L		E du		1			
NOC port A2		1		1	(Trans	"		HI"	r	1	114	WH	y ter	1,94	1	Jan	1	1.11.2	MP.	-Mela	141	Ma	ht.	hatt	M PI	UN P	W
PELIX CHS	11 14	H			n-dfa	П.	****		- 1-				are Ma					1.1	1	line and		i a					
ndo por Co			e/ur	ALM.	nu)	4 M	1.44	44	144	1	40	44.10	white a	47	ľ	and a	M	M.	YI'	1	e,	100	M	i, HN	and the second	1443	w.
FELIX CHIS VILIXINS		dial	Lill.	114	العدار								. I.		1 Let	And	l.h	61. Ú		i.		a tule			de		
esc _{pol} ice		442.0	A.4.	ΥΥ.	TH:	T	N	l,	H.	340	M	1	11	Hin!	11	111	11	44	1	144	1,9	444	41-)	1	79	44	P+4
ELECOMM ACL: INS	ar 16	ast.		i cut	SIN	Π,					1.1	111			n.	6.0	Π	lin of		l in		Č.		I I N			
eto por Cr		'PVT	1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977	×Ψ.	and the second		0,494	n y l	1	4/1	H	441	44	W	100	414	2	n tel	P ^a	.API	-	nen	wh	1	M	du.	1
PIELOX (CHO DAL: MIG	**	1.1			di	Lin.		السال		1.0					a la la	1.160	1.0	du A		1		u itu			di l		
NOS port DO			6 J	41.4	"	1	1	¥γn.	d.	11	N/M	du.	11	Y		. Luby	T	111	10 Y	44	1	100	M	1,411	14	art I.	M
		s ur Chipri		3	2	5	6	, an 7	6 12 6	° 7	10	11	15	12	11	15	1	irs 12	18	110	53	1 21	32		91		25
												m	ed	oct	tal												

pedestal Hist distributions <u>chunk 0000</u>

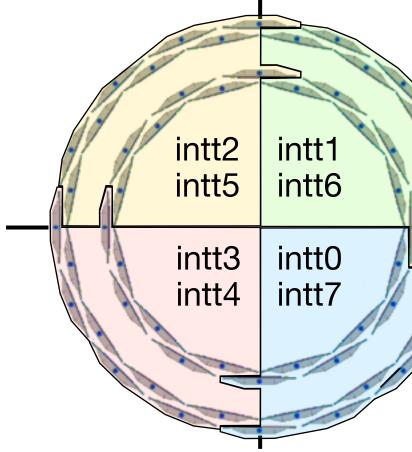


Test results: Pedestal measurement

Channel distributions of 14 half-ladders connected to intt1 (South)

intt1

intt1			•		_		_			10			40					10	10	~~~	•				n 34	
FELIX CH13 ¹⁵⁰⁶⁸²¹ B1L007S ROC port D1	Chip1	2 M	3 •/•/•/•/•/•/•/•/	4	5	6 hhttp://////////////////////////////////	alitel under the state of the state	8 ////////////////////////////////////	9	10	11 	12	13	14 MM/mm/ul	15 \/\/\/\/\/\/\/\/\/\/	16	17 ,	18 •••••••••	19 ////////////////////////////////////	20	21	22	23	24	25	26
FELIX CH12 ¹⁵⁰⁶⁸²¹ B0L105S ROC port B2	<u>)</u>	hunder for the forthe	and the second	ichiquadilyrteath	inderforferferfer	al <mark>ah</mark> iloweetho	analala katalar	mandradala	Mananyumi	ahinyingingina ang	niller og for som	hindra (hinkin		ilyan e veluefectevel	yhdytykywrastywia	Mangana (Maladara	ntuntur and	nnunuuu	1911, 14 p. 19 14 14 14 14	140.0014.000	Mulyingumilik	NAN NINA JAAMAA		nnant hadry grander	ality days for the level of the	n ligte des absen
FELIX CH11 ¹⁵⁰⁶⁸²¹ B1L106S ROC port A2	under and a second	eig ¹ Ver ¹ 4 ¹ 971444	n y hy hy produ y hy h	llylag undrawy yr	lughtel the	ul _a niw ^{ula} nnaku	ni jimi Maulain	MANY WARANA	tation and the second	ah, Minalip Ahan	ridhadayillari	4,	tuyyanı telvala		pry Wildelika Andre	her terestered and the	http://www.	LINA (11/10/14/14	WHAT WANT		allanita tang sala	nyar yili yaka yili ya		epheneraria	an la han an a	
FELIX CH10 ¹⁵⁰⁶⁸²¹ B1L006S ROC port B3	A.J.J. Market	ant and the state of	thing the state of	a higo a the gala diga fili diti.	unhal yetereterete	yvyy, Wilyywy	a yayaya ya y	1-1-111144.4m14	Market Providence	al Juan pit propriati	aylayuddahayr	upp unan,hala	a na an	aroupped density	hung of the state	an the first of th	s, na ekipirti (tipi	n hala an	4.14.10.11 0.444	atalitya ja atalika ja	handrad a the state of the stat	anti-ther and the	on rugu on water	halle the state of	enthe provide	udayaralay perhistra
FELIX CH9 1506821 B0L004S ROC port A1	ly hour Wind	alayyu kayalada ka	ann a hann a	al (1)/////	nytypiduritytyty	lun alamalar		alle hall of the second of the	i wanta ka		and particular	Ample in the second	in, pripelieled	n mar han m	an the second	*			1. Jacob of the state of the st				an the second	htter properties of the second se		WWW
FELIX CH8 1506821 B0L005S ROC port C1 FELIX CH7 1506821	epparturen war	interration of the second s	<u>ſŗ</u> ŋţ⊧k <mark>ĺ</mark> ŧŗŧ _k tn**	ndy mpryblem	ry-polyklyddyl a ydd	HYMYNYN LOLON (CANANA)	a yaayin (1044-nol	et where ends	ynunullinnlefunt	allocation of the second s	hoper with the second	kiki kunan kunan kana kana kana kana kana ka	wy aturat arbiti	hiyabiyad ^{ian} na	any paper want	niyyh,HUwini	overdekojn (k-Me	alfrond a franket	awydyddadau	1441/419thmalac	u, Andraw Mark	hang phatain that	politicity and the second s		a <mark>da napoleo n</mark> a	uppole with a
B1L107S ROC port C2 FELIX CH6 1506821	hind all services and	<mark>ŀŀŗŧŀſŀţŗŀţŀ</mark> ĸĮĬĿŗĸ ^ĸ		and the second		NI <mark>MI</mark> MANI <mark>IA</mark> M	el a little frank fra	ynn hy u fir	lander and a second	hillerichen hiller	and products	white by their	tuliar lay yaht	hyyyyy <mark>r</mark> yffyff	n fra han da han an a	en <mark>lith.</mark> wowint	ulfer Lager Market	uli proposition	144-4/4 14-144	wy winge y with put	e perpension	an bhi fean an gan tan dh		in the state of the	41.1941.4944.49	w
D11 0050	hpm yy hnyhmy	WW JANK					WWW	Manapatra		ydpunlfwydu	a daya yakara	he yeleyed yel	ann an the second s	wypallydd	phil ^{ylaw}	LAMMAN MAL	, <mark>1</mark> 44/mh/			M W/M			in the second	whynyw hr		MWW
B0L003S ROC port B1 FELIX CH4 1506821	an tang tang tang tang tang tang tang ta	wyytanifaitainithy	n fi kanilana	al an	e _{ry} hallewyahad	aypinton and a second	hili an the state of the state	an the frank starting the	_{₩₩₩} ₩₩ <mark>₩₩₩</mark> ₩	Ĭ <u>ſ</u> ġţ <mark>ŬĬĮŧnpir-qu</mark> laţĬĬţĬĬ	alandalan kutu	they in the second s	Walay Mina	muunn	hayal daradda	5.47 4/100 4/10	ay daga daga daga daga daga daga daga da		M. Anyrth M. John	n <mark>h</mark> unggalan ng	yydd yn daf yn dyn yn dyn yn gymraf yn g	which the state of	alfederer der Verwit	an the second		L _a uli _{n Ma} nya
B1L104S ROC port A1 FELIX CH3 ¹⁵⁰⁶⁸²¹	WWW	u dymeddiae	i wydradd yn gwladd	MANN N	n <mark>i pinini</mark>					un and a	w <mark>ihiwana</mark> ni	ilany linarit		why y duited i	nal management of a construction of the second s	YPU-TA-INA)		apati talihan ana ana ana ana ana ana ana ana ana			Weble of the Contract of the C	Nappun Milana /	ambalar ay mailer af		allina dadi	MMM
B1L004S ROC port B3 FELIX CH2 ¹⁵⁰⁶⁸²¹ B0L103S	and a state of the	n terrester and terrester a				loot praint for the		aulyymetholdu	<u>vinninnin</u>	144 <mark>14+14</mark> 44		d . Approved the second		Millionarri	erneli terreta de la constante de la constante Constante de la constante de la c	444		n haad diran taa diran	n///www.py/ww		a <mark>way</mark> a a i yoyakii	www.philane	ant dealler part the	NUM (antroday	hay an Arbitra	
FELIX CH1 ¹⁵⁰⁶⁸²¹ B0L104S		hewing and pain			Buyola (Arford Arthon	lynndiadeugddiadau	handen the second	1111 11111111111111111111111111111111	y ny qui an hai	lig fan fiylinkykk	ny mining and	a, a farfafte yn achtel		and a phanetery		gilling Months	YYYNNMAA AM			uquer Joyet (1/1)	hhim/and Ailbh	AN MANAGANA ANA ANA ANA ANA ANA ANA ANA ANA	Alphy more thank	handlaalaadha	nynyn nin de le	
ROC port C1 FELIX CH0 1506821 B1L105S	a dag ya Awen Alaka an ad tana ad inda					W/HWAWH/W	14-me.1.111/14/14		NY N		u di fan di f					anti ndlillalinin				eren de la de l			ala shaha	approximation and house		JANYAN MANARANY
ROC port C2	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127	0 127
	Chip1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

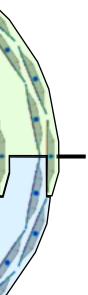


and an advention of the state

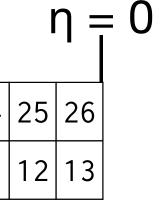
1506821

1506821

	n = -	= 1	.1								
$\left \right\rangle$	14	15	16	17	18	19	20	21	22	23	24
	1	2	3	4	5	6	7	8	9	10	11
]			` a	cł	nip						



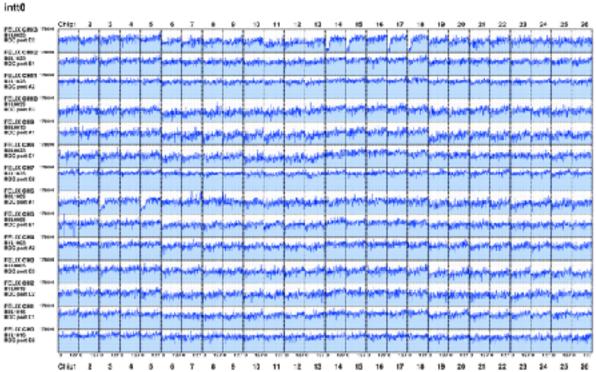




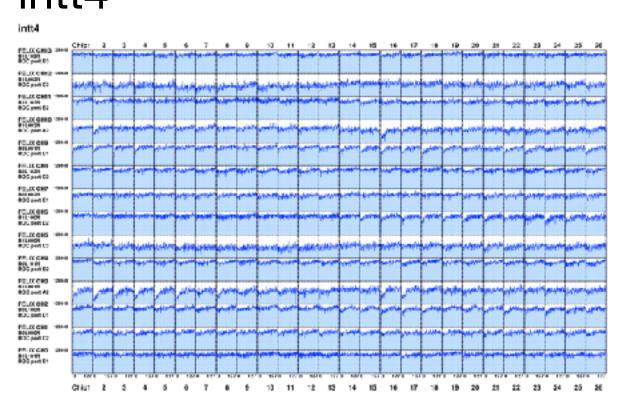
Test results: Pedestal measurement

South side

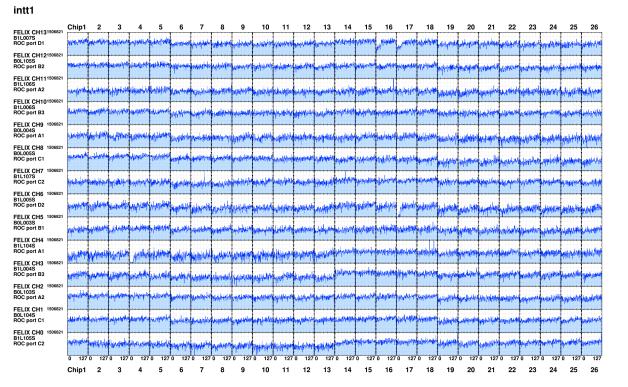


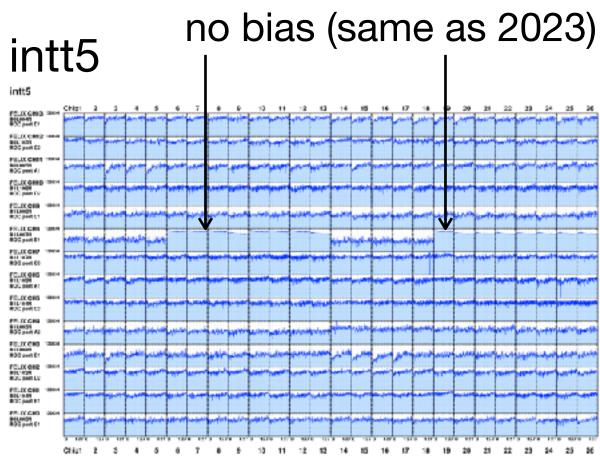


North side intt4

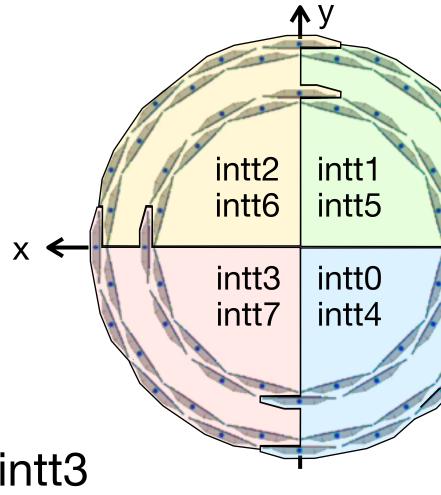


intt1

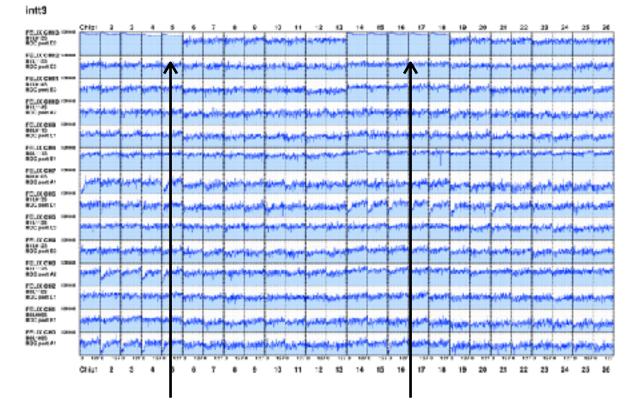




Run 34597

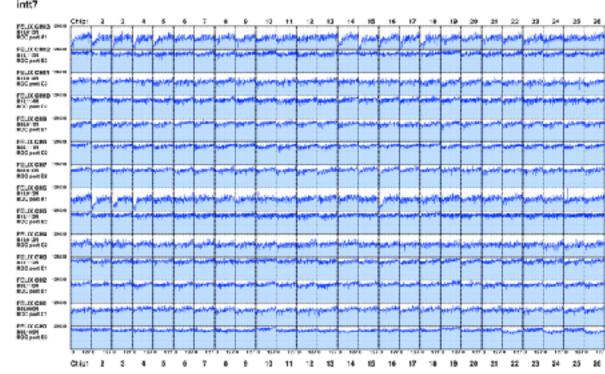






no bias (same as 2023)

intt7



intt2

intt2

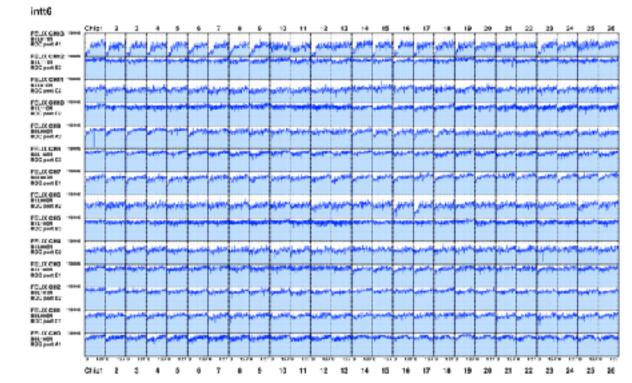
PIELIX CHIN BILLX CHIN CHIN BILLX POLIX GRAD BILLINGS BILLINGS BILLINGS FOLIX CHR

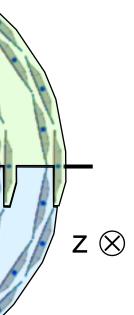
CLX 68

FOLIX GHZ ROUTERS RUC PHOLIT PELIX CHI BOLANDI BIXI Junit PI

intt6





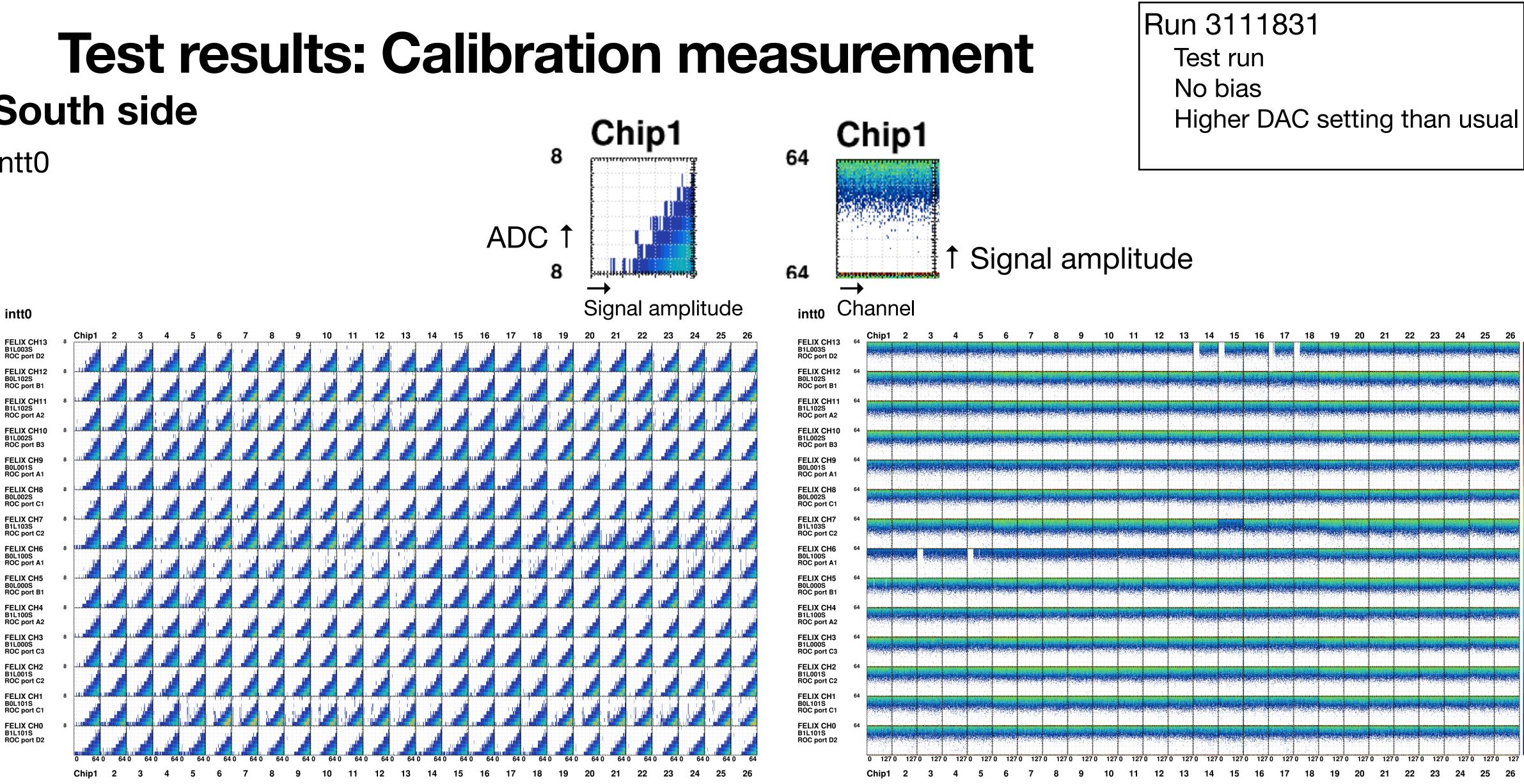


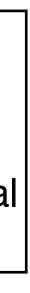


20	21	22	23	24	25	26
	um	, and	MA	10-4	25	NIT
-		-	-	-	-	-
~	ain	49.7	-qnR	abi		-
-	-	-	-		-	
		-	-		-	
~			-			****
+ 1		-				-
41	-	Note	and a	(ALIAN)	Jacob Services	-
-	-	-		-		-
-					e aller	10.0
-		-	-	-		Jam
-	-		_	-		-
***		-	the second		~	
-	-		-		-	

South side

intt0





26	20
	18
	16
	14
njarioni	12
	10
	8
	6
	4
	2
127	0

_	Č
1	8
1	6
1	4
1	2
1	0
8	

JPS talks and the plot approval presentations

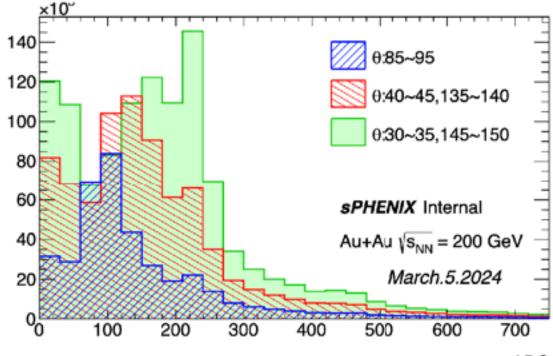
We followed the sPHENIX procedure to show our results at the JPS meeting: any plots to be shown in public must be *preliminary.* Presentations for plot approval were given at the last sPHENIX general meeting.

5 INTT talks were given in the JPS meeting (+1 Jet +1 Cold-QCD talks).

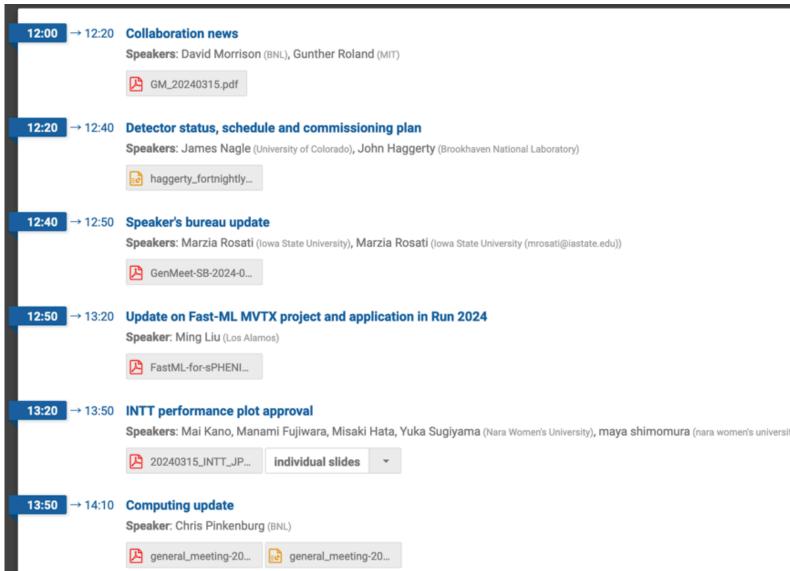
Presentations

- Development of algorithm to detect bad channels of INTT (Yuka Sugiyama)
- Data readout of the INTT in the 2023 commissioning data (Mai Kano)
- 3. Qvector Analysis (Manami Fujiwara)
- 4. Study of INTT cluster distribution (Misaki Hata)

They have been working on INTT detector R&D and commissioning for 2-3 years. They plan to show their work for detector QA at JPS meeting on March 19th and 21th.



請演番号	登録番号	タイトル	著者	所属	領域
21aV2-10	2083	RHIC-sPHENIX実験におけ る中間飛跡検出器INTTの 動作検証	杉山由佳, 秋葉康之 ^A , 池本真尋, 榎園昭智 ^B , 加藤智也 ^C , 加納麻衣, 甘林, 菊池陸 大 ^C , 近藤崇 ^D , 穴倉遼太 ^C , 下村真弥, 辻端日菜子, 寺坂優里, 中川格 ^A , 版 塚元気 ^A , 長谷川勝一 ^E , 波多美咲, 蜂谷崇 ^A , 藤木一真 ^C , 藤原愛実, 森木菜失, 渡部舞	奈良女子大, 理研 ^人 , 理 研BNLセ ^B , 立教大 ^C , 都立産技研 ^D , JAEA ^E	実験核物理領域
21aV2-11	1994	RHIC-sPHENIX実験におけ る中間飛跡検出器INTTの データ読出し	加納麻衣, 秋葉康之 ^A , 池本真尋, 榎靈昭智 ^B , 加藤智也 ^C , 甘林, 菊池陸大 ^C , 近藤 崇 ^D , 宍倉遼太 ^C , 下村真弥, 杉山由佳, 辻端日菜子, 寺坂優里, 中川格 ^A ,	奈良女子大, 理研 ^{i A} , 理 研BNLセ ^B , 立教大 ^C , 都立産技研 ^D , JAEA ^E	実験核物理領域
21aV2-12	1973	RHIC-sPHENIX実験におけ る中間飛跡検出器INTTを 用いた飛跡再構成	辻端日菜子 ^A ,秋葉康之 ^B ,池本真尋 ^A ,榎園昭智 ^C ,加藤智也 ^D ,加納麻衣 ^A ,甘林 ^A , 荧池陸大 ^D ,近藤崇 ^E , 宍倉遼太 ^D ,下村真弥 ^A ,杉山由佳 ^A , 寺坂優里 ^A ,中川 格 ^B , 糠塚元気 ^B , 長谷川勝一 ^F , 波多美咲 ^A , 蜂谷崇 ^{A, B} ,藤木一真 ^D ,藤原愛実 ^A , 枩本菜央 ^A , 渡部舞 ^A	奈良女子大 ^A ,理研 ^B , 理研BNLセ ^C ,立教大 ^D ,都立産技研 ^E , JAEA ^F	実験核物理領域
19pU1-11	1870	RHIC-sPHENIX実験におけ るシリコン飛跡検出器を用 いた粒子多重度の測定	波多美咲 ^B , 秋葉康之 ^A , 池本真尋 ^B , 複園昭智 ^C , 加藤智也 ^D , 加納麻衣 ^B , 甘林 ^B , 菊池陸大 ^D , 近藤崇 ^E , 宍倉遼太 ^D , 下村真弥 ^B , 杉山由佳 ^B , 辻端日菜子 ^B , 寺坂優 里 ^B , 中川格 ^A , 糠塚元気 ^A , 長谷川勝一 ^F , 蜂谷崇 ^{B, A} , 藤木一真 ^D , 藤原愛実 ^B , 森本菜央 ^B , 該部舞 ^B	理研 ^A , 奈良女子大 ^B , 理研BNLセ ^C , 立教大 ^D , 都立産技研 ^E , JAEA ^F	浬論核物理領域
19pU1-12	1890	RHIC- sPHENIX 実験にお ける反応平面の測定	藤原愛実 ^B ,秋葉康之 ^A ,池木真尋 ^B ,榎園昭智 ^C ,加藤智也 ^D ,加納麻衣 ^B ,甘林 ^B , 菊池陸大 ^D ,近藤崇 ^E ,穴倉遼太 ^D ,下村真弥 ^B ,杉山由佳 ^B ,辻端日菜子 ^B ,寺友優 里 ^B ,中川格 ^A ,糠塚元気 ^A ,長谷川勝一 ^F ,波多美咲 ^B ,蜂谷崇 ^{B,A} ,藤木一真 ^D , 森本菜央 ^B ,該部舞 ^B	理研 ^A , 奈良女子大 ^B , 理研BNLセ ^C , 立教大 ^D , 都立産技研 ^E , JAEA ^F	理論核物理領域
19pU1-13	1905	RHIC-sPHENIX実験におけ るジェット検出手法の開発 と評価	渡部媒 for the sPHENIX Collaboration	奈良女大	埋論核物埋領域
21pU1-9	839	sPHENIX Cold-QCD プロ グラム	糖塚元気, 他 sPHENIX Collaboration	理研	浬論核物埋領域















	() 20m
	③ 20m
	©10m
	() 30m
ity)	() 30m
	O 20m



