

Run24 INTT status

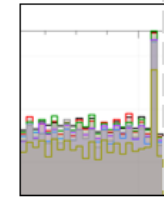
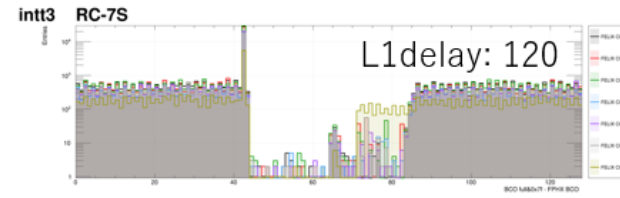
Akitomo Enokizono

Time scan for 1 BCO timing

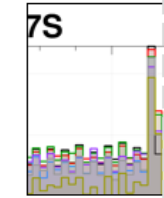
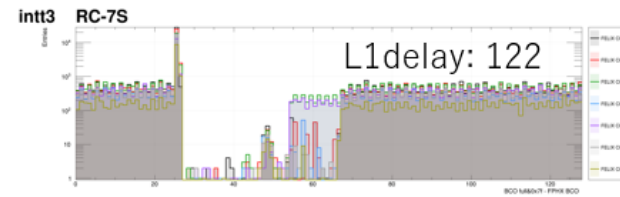
- For the streaming readout, INTT should work as the time reference for the other detectors, providing 1 BCO timing.
- Time scan data were taken using 74x74 bunch store and being analyzed.



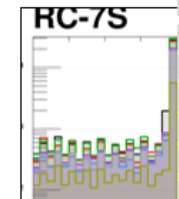
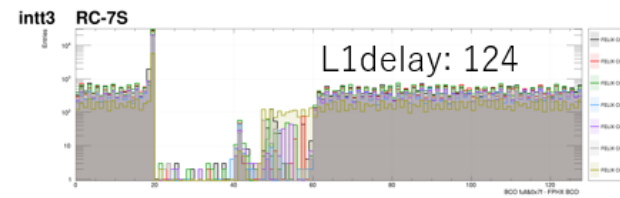
G. Nukazuka @ SCM



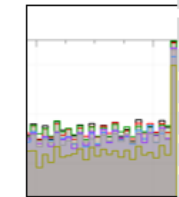
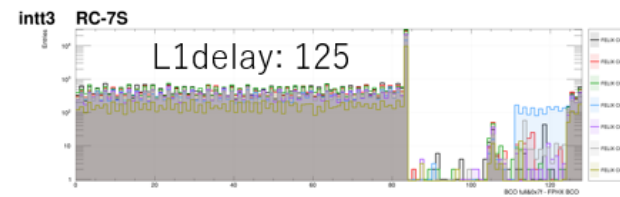
The peak at 2nd bin from the rising edge of the plateau



The peak at the same bin, but 1st bin gets higher.



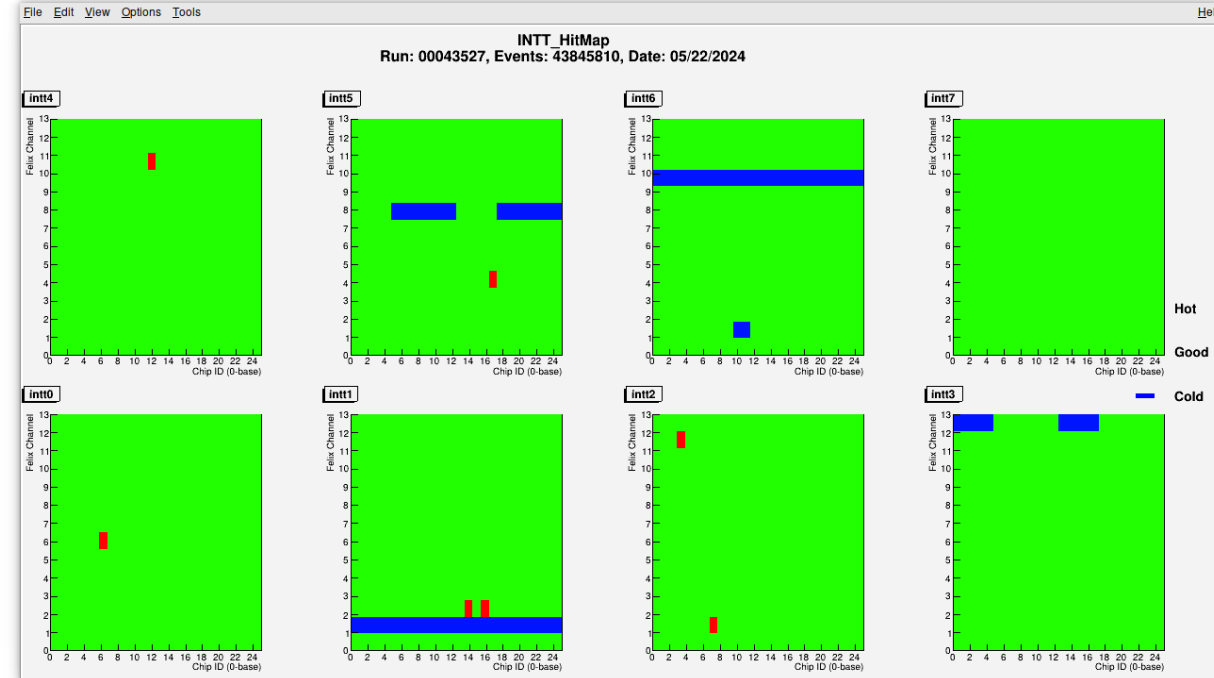
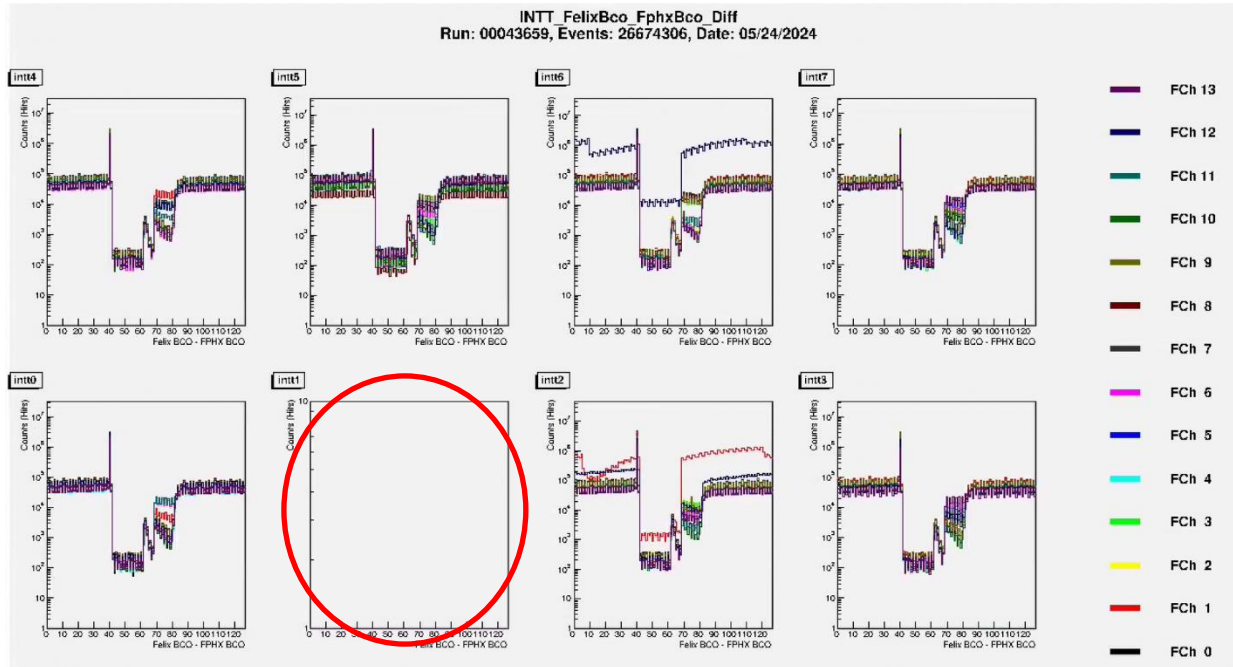
The peak was moved to 1st bin. 2nd bin still has a little bit more entries than others.



The peak was at 1st bin. 2nd bin is at the same level as the other bins.

INTT online monitoring

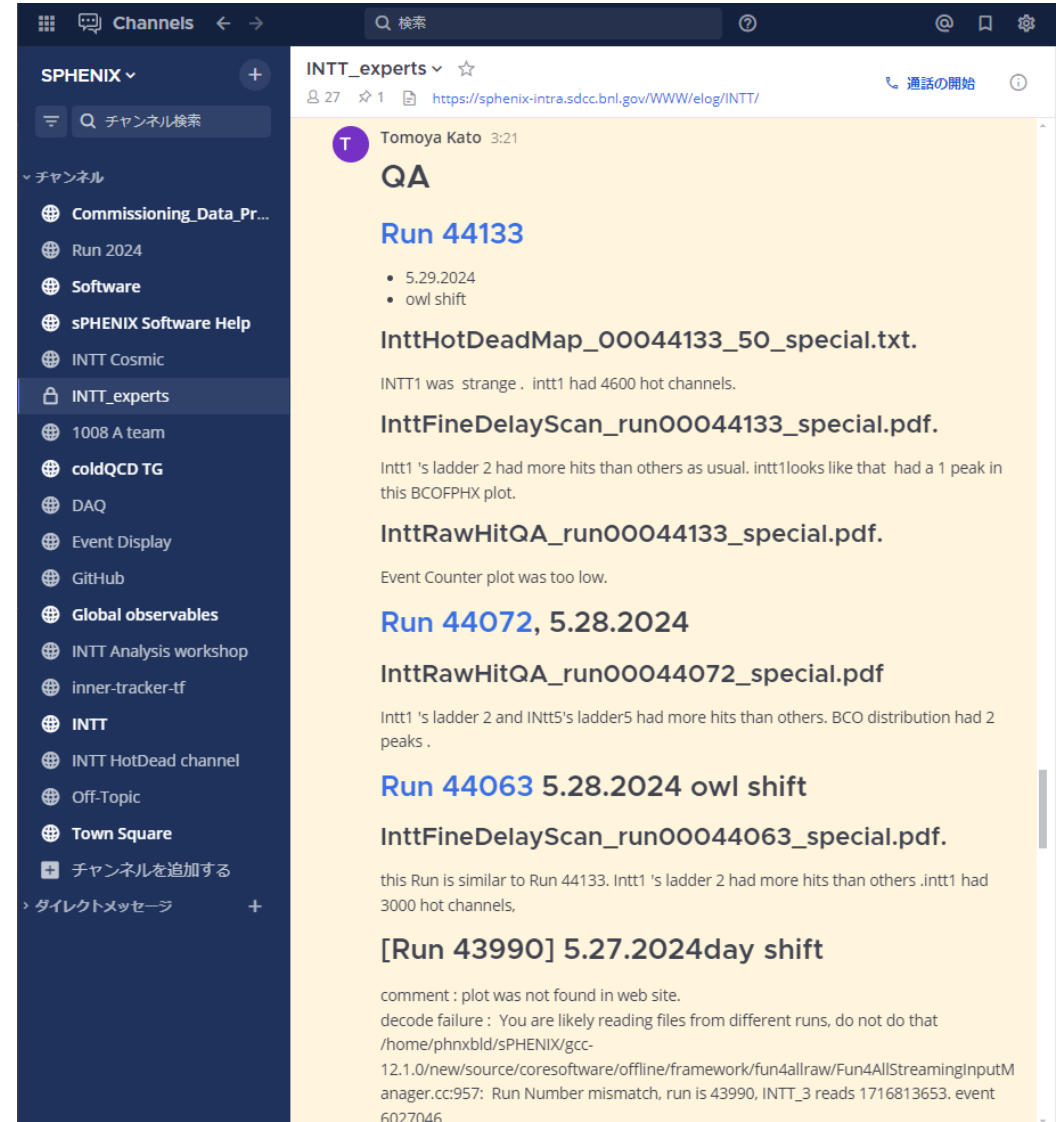
J. Bertaux



- BCO distribution and hot/cold map distributions are implemented for shift crews
- If some problem happens, the first thing is to recycle online monitor server (Joseph will fix the problem soon), then it doesn't work, do the power recycle including GTM link reset and chip configuration
- Missing Felix data (or even missing entire INTT data) issue happens sometimes. Need to investigate and fix the problem as soon as possible

INTT operation stability

- INTT is currently stable and taking physics data
 - Intt1 and intt5 has some super hot “uncontrollable” chip problem.
 - Felix firmware will be updated to mask such chips and the new firmware will be tested tomorrow.
- Tomoya is checking the physics data by making DST file and the QA plots
 - Currently the status is posted to the Mattermost, but the wiki page for Run24 data will be setup soon.



The screenshot shows a Mattermost channel interface. The channel name is 'INTT_experts'. A post by Tomoya Kato is visible, dated 3:21. The post content includes:

- QA**
- Run 44133**
 - 5.29.2024
 - owl shift
- InttHotDeadMap_00044133_50_special.txt.**
- INTT1 was strange . intt1 had 4600 hot channels.
- InttFineDelayScan_run00044133_special.pdf.**
- Intt1 's ladder 2 had more hits than others as usual. intt1 looks like that had a 1 peak in this BCO PHX plot.
- InttRawHitQA_run00044133_special.pdf.**
- Event Counter plot was too low.
- Run 44072, 5.28.2024**
- InttRawHitQA_run00044072_special.pdf**
- Intt1 's ladder 2 and Intt5's ladder5 had more hits than others. BCO distribution had 2 peaks .
- Run 44063 5.28.2024 owl shift**
- InttFineDelayScan_run00044063_special.pdf.**
- this Run is similar to Run 44133. Intt1 's ladder 2 had more hits than others .intt1 had 3000 hot channels,
- [Run 43990] 5.27.2024 day shift**
- comment : plot was not found in web site.
- decode failure : You are likely reading files from different runs, do not do that /home/phnxbl/sPHENIX/gcc-12.1.0/new/source/coresoftware/offline/framework/fun4allraw/Fun4AllStreamingInputManager.cc:957: Run Number mismatch, run is 43990, INTT_3 reads 1716813653. event 6027046

Run24 travel plan

Month		4					5					6					7					8					9					10															
Week		1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5											
Event		QCD	DIS	KPS					CPOD	Col Mtg	SQM	RHIC						ICHEP					NN								JPS	HP															KPS
RHIC projection	pp→AuAu→pp	pp, 7 weeks						AuAu, 5.5 weeks (timing tbd)						pp, 9 weeks																																	
Latest scenario		Preparation		pp, 7 weeks						AuAu, 5.5 weeks (timing tbd)						pp, 9 weeks																															
BNL	Rachid																																														
BNL	Raul																																														
Purdue	Wei																																														
Purdue	Milan																																														
Purdue	Joseph		4/12					5/14					6/21																																		
RIKEN	Yasuyuki							5/13?					6/9	6/14			7/1																														
RIKEN	Itaru			4/15									6/21					7/12?																													
RIKEN	Genki		4/9															Temp return wanted																		no VISA→											
RIKEN	Akitomo			4/23					5/22				6/16				7/12												↑ some overlap							10/31											
RIKEN/NCU	Cheng-Wei												6/2											8/16																							
Rikkyo	Ryota																																														
Rikkyo	Tomoya							5/13																																							
Rikkyo	Kazuma																																														
Rikkyo	Takahiro																	7/13?																													

- <https://docs.google.com/spreadsheets/d/19mHncED6ORXqv2N4TVZ12kvGjgqf92Ysrr8i0v4nPBM/edit#gid=2146840723>

Run24 shift

Institution Name	# People	Current # of active Authors	Effective # of Authors	# total shift obligation	# Shifts Taken	Status	Member Names
RIKEN	9	5	5	13	9	-31% (4 more needed)	Yasuyuki Akiba, Hideto Enyo, Yuji Goto, Itaru Nakagawa, Ralf Seidl, Akitomo Enokizono, Minh Kim, Yasushi Watanabe, Satoshi Yokkaichi
RIKEN BNL Research Center	1	1	1	3	7	+133% (OK)	Genki Nukazuka

Week	Period Coord.	Shift	Shift Leader	Detector Opr.	DAQ Opr.	Data Monitor Opr
Oct 1st - Oct 8th		0:00-8:00				
		8:00-16:00		Shuhang Li Columbia University	Luke Legnosky Stony Brook University	Blair Seidlitz Columbia University
		16:00-00:00		James Shirk Stony Brook University	Chenxi Ma Stony Brook University	SHIFT OVERLAPS Dading Chen Stony Brook University
Oct 8th - Oct 15th		0:00-8:00				
		8:00-16:00				
		16:00-00:00	Bade Sayki Los Alamos National Laboratory	Daniel Lis University of Colorado, Boulder		
Oct 15th - Oct 22nd		0:00-8:00		Sean Stoll Brookhaven National Laboratory		
		8:00-16:00				
		16:00-00:00				
Oct 22nd - Oct 29th		0:00-8:00				
		8:00-16:00				
		16:00-00:00				
Oct 29th - Nov 5th		0:00-8:00				
		8:00-16:00	Mickey Chiu Brookhaven National Laboratory			
		16:00-00:00	Ejiro Umaka Brookhaven National Laboratory			

- 4 more shifts to fulfill the RIKEN shift obligation
 - 6 more if Akitomo is included as an active author for Run24?
- Run24 shift slot opens until the week of Oct.29-Nov.5
 - 2 persons watch shift after Oct.8