

Data QA for noise with Beam On/Off

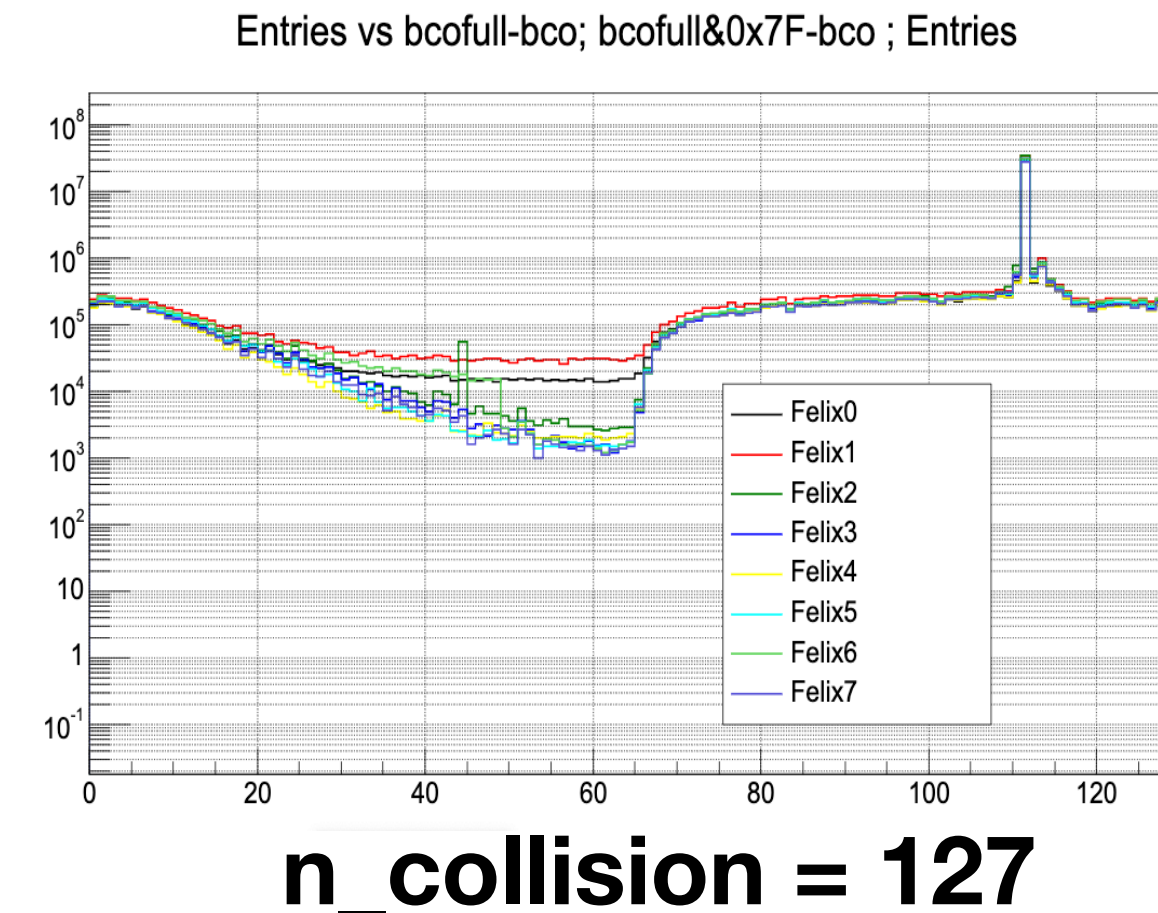
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For estimating the ratio of Signal/Noise, investigating noise features

Goal in this workshop: Analyzing data, find new noise features and understand noise more

My To-Do List

- Comparing cosmic and signal data
 - ADC / Cluster size / channel distribution
- Investigating mystery of bcofull-bco plot
 - Understanding the sharp increase of background.
 - Checking Run by Run.
- Run Log update
 - Summarizing the current state and write down about how to make. (Highest priority)
 - Checking day/time of data from time-stamp of data
 - Checking the state of Magnet from the log data given by Nukazuka-san



Run23 Commissioning RunLog

Run	Progress	RunID	TimeDate	Duration[sec]	File location	Active Felix List	Beam Type	Magnet On/Off	rate	Event (with peak)	DAQS	L1 Delay	
827	done	23904		1		all	beam	ON	1000		55	21	
828													
829	1	done	23905	728	5	all	beam	ON	1000		18	21	
830	2	done	23906		5	all	beam	ON	1000		18	21	
831	3	done	23907		5	all	beam	ON	1000		17	21	
832	4	done	23911		5	all	beam	ON	900		18	21	
833	5	done	23912		5	all	beam	ON	900		17	21	
834	6	done	23913		5	all	beam	ON	900		16	21	
835	7	done	23914		5	all	beam	ON	1000		15	21	
836	8	done	23915		5	all	beam	ON	1000		14	21	
837	9	done	23916		5	all	beam	ON	1070		13	21	
838	10	done	23917		5	all	beam	ON	1100		12	21	
839	11	done	23919		5	all	beam	ON	1100		11	21	
840	12	done	23920		0	all	beam	ON	1100		11	21	
841	13	done	23921		5	all	beam	ON	1090		20	21	
842	14	done	23922		5	all	beam	ON	1090		30	21	
843	15	done	23923		5	all	beam	ON	1120		40	21	
844													
845													
846	1	done	24750	731	2	all	beam	ON	1.5k		15	21	
847	2	done	24751		1	all	beam	ON	1.5k		15	21	
848	3	done	24752		1	all	beam	ON	0		15	21	
849	4	done	24753		1	all	beam	ON	1.5k		15	21	
850	5	done	24754		1	all	beam	ON	0		15	21	
851	6	done	24755		1	all	beam	ON	1k		15	21	
852	7	done	24756		1	all	beam	ON	500		15	21	
853	8	done	24757		1	all	beam	ON	1.5k		15	21	
854													
855	1	done	25145	84	7	all	cosmic	ON			50k	15	21
856	2	done	25147		6	all	cosmic	ON			20k	15	21
857	3	done	25148		4	all	cosmic	ON			20k	15	21
858	4	done	25149		15	all	cosmic	ON			150k	15	21
859	5	done	25150		8	all	cosmic	ON			60k	15	21
860	6	done	25151		8	all	cosmic	ON			60k	15	21
861	7	done	25152		8	all	cosmic	ON			50k	15	21
862	8	done	25153		8	all	cosmic	ON			50k	20	21
863	9	done	25155		8	all	cosmic	ON			94k	25	21
864													
865													
866	1	done	25321	87	7	all	cosmic	ON			50k	25	21
867	2	done	25322		8	all	beam	ON			50k	25	21
868	3	done	25323		5	all	cosmic	ON			27k	25	21

New Run Log URL :

https://docs.google.com/spreadsheets/d/1dkvDEc5iUQd_xskGzAvR5JQ_HzxxeJfPXEdy0TMKas/edit#gid=1459536224