INTT progress report

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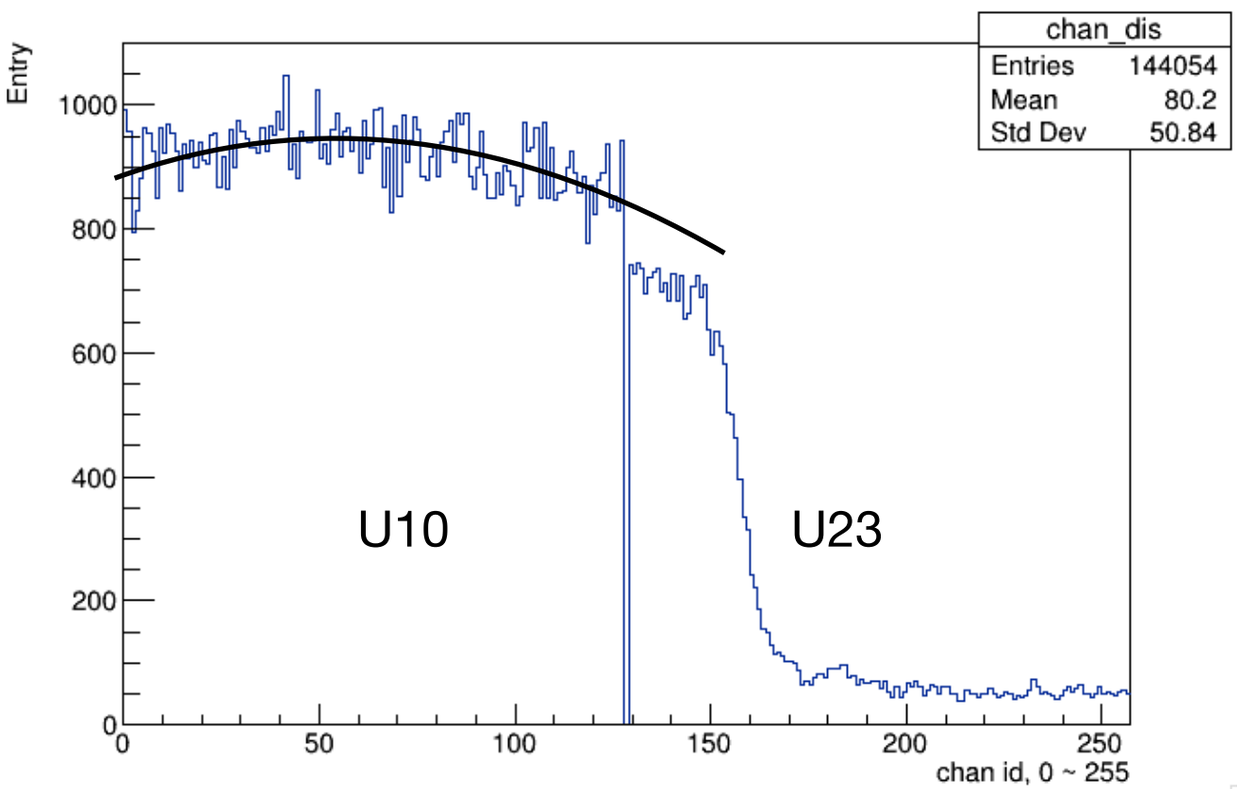
Channel hit distribution comparison

TestBeam2021

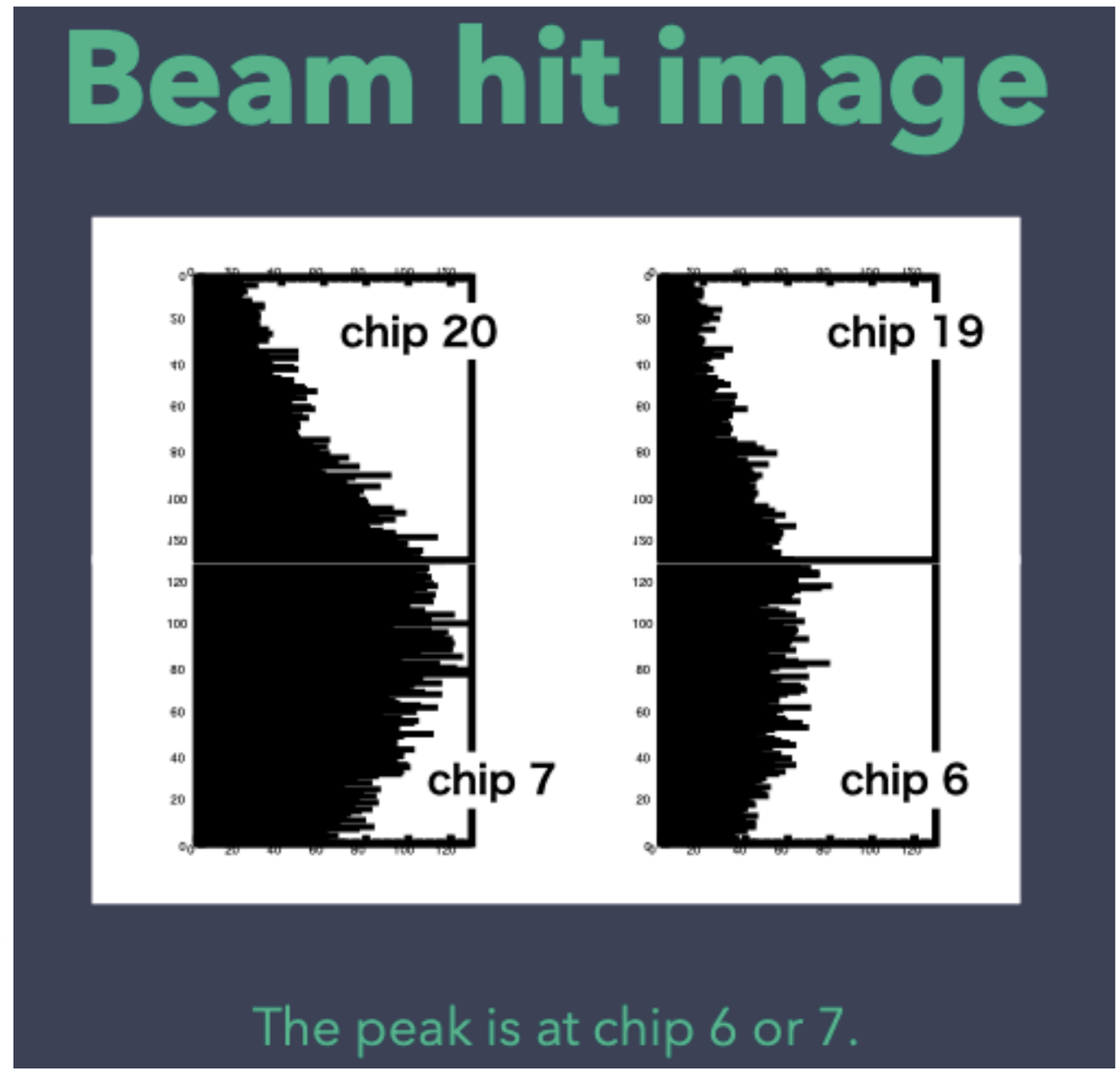
Run 89, all BCO group are used
channel hit distribution, U10 + U23



Not smooth

TestBeam2019

Ayaka's slide



Smooth

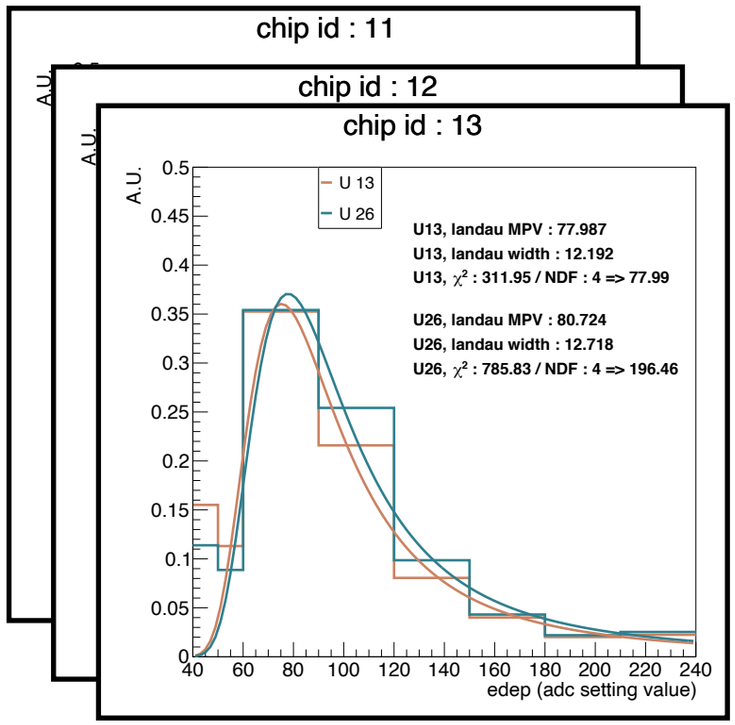
Ladder assembly progress

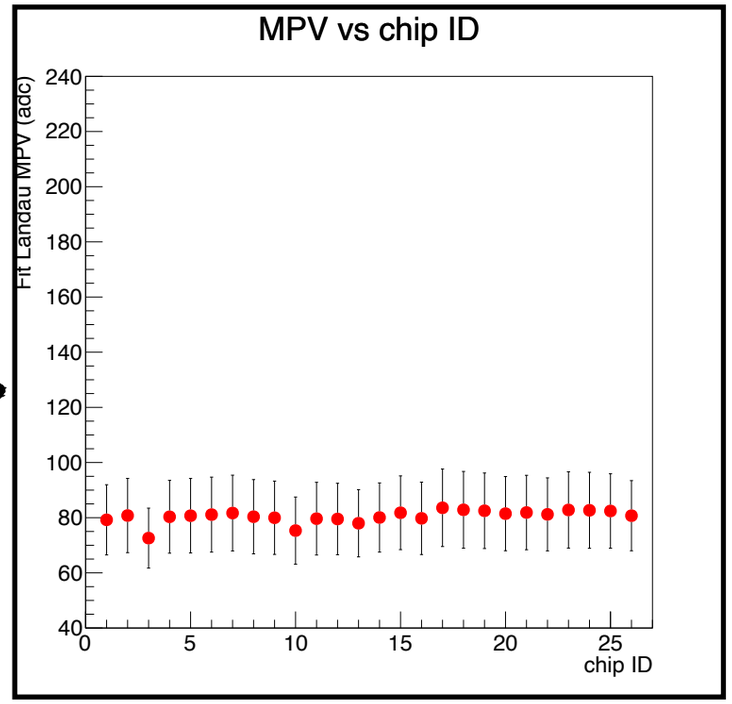
- Assembly remaining
  - 12 ladders : 7 barrel-1 ladders and 5 barrel-2 ladders
  - 13 half-ladders
- Hope the assembly progress can be finished at the end of March / early April.
- 5 ladders were tested with the source
  - Self-trigger, threshold 40.
  - 2 mins for each chip.

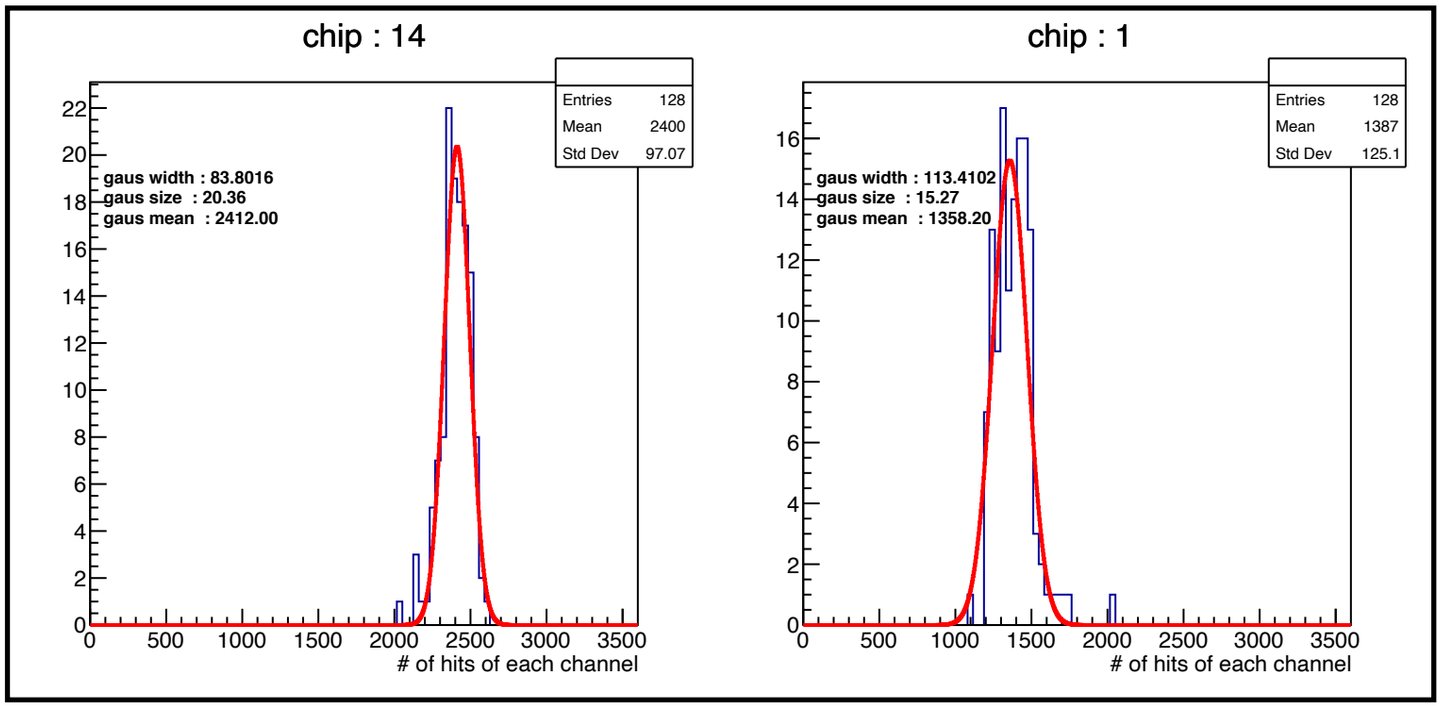
	Module				calibration		
Stave ID	N	S	assembly date	Bias glue (Y/N)	done ?	# bad channel	class
"01-0015"	74	262	2021/4/15	Y	Y	2460	5
"01-0060"	51	264	2021/04/28	Y	Y	144	3
"02-0028"	44	pre004	2021/07/28	Y	Y	43	2
"02-0049"	263	48	2021/7/29	Y	Y	0	1
"02-0052"	254	49	2021/8/3	Y	Y	0	1
"02-0046"	255	257	2021/8/5	Y	Y	1	1
"02-0039"	77	78	2021/8/23	Y	Y	2	1
"02-0040"	73	71	2021/8/26	Y	Y	6	1
"02-0019"	53	54	2021/8/27	Y	Y	0	1
"02-0016"	52	55	2021/8/31	Y	Y	3	1
"02-0013"	58	59	2021/09/01	Y	Y	0	1
"02-0001"	253	256	2021/09/02	Y	Y	0	1
"02-0074"	76	261	2021/9/8	Y	Y	63	2
"02-0080"	24	258	2021/9/9	Y	Y	4	1
"02-0077"	57	259	2021/9/13	Y	Y	31	1
"02-0083"	247	246	2021/9/17				
"02-0056"	267	333	2021/12/30				
"02-0065"	349	345	2022/01/06				
"02-0062"	348	341	2022/01/07				
"02-0068"	331	398	2022/01/12				
"01-0104"	350	347	2022/01/13				
"01-0092"	337	346	2022/01/19				
"01-0101"	340	335	2022/01/27				
"01-0093"	342	351	2022/02/09				
"01-0097"	339	343	2022/02/10				
"01-0096"	338	332	2022/02/11				
"01-0091"	397	270	2022/02/15				
"01-0102"	336	344	2022/02/17				

Source test results

- 5 ladders were tested with the source







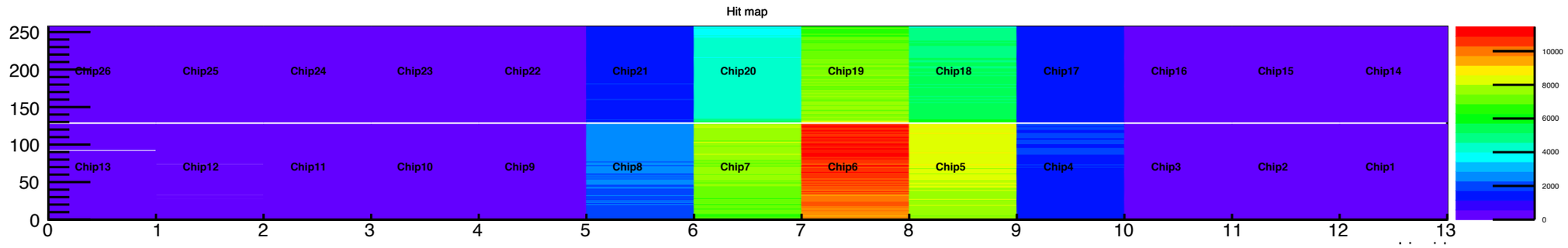
- Criteria 1 : entry < 5 sigma of the distribution
- Criteria 2 : entry < 5 sigma of the distribution and entry < 900

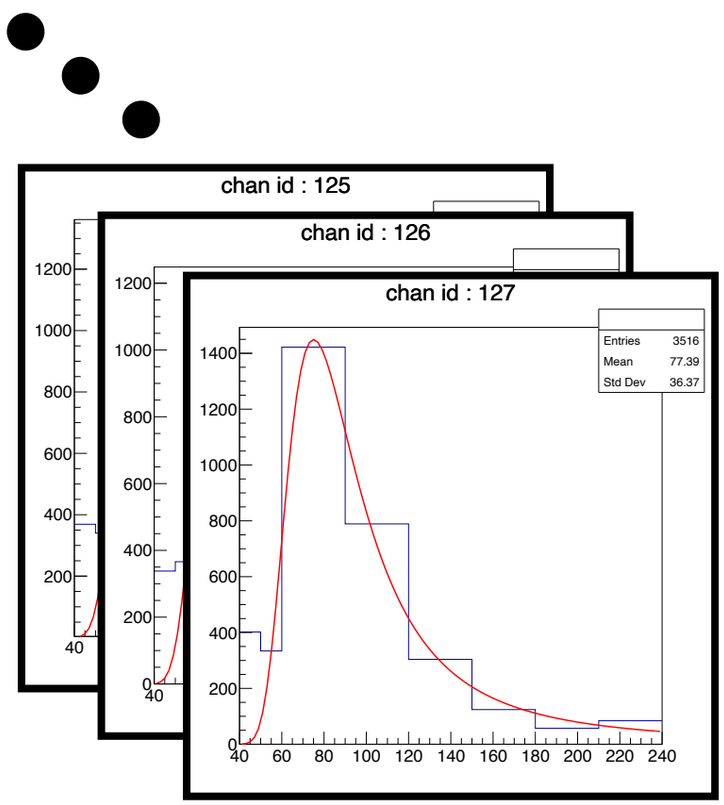
# of bad channel

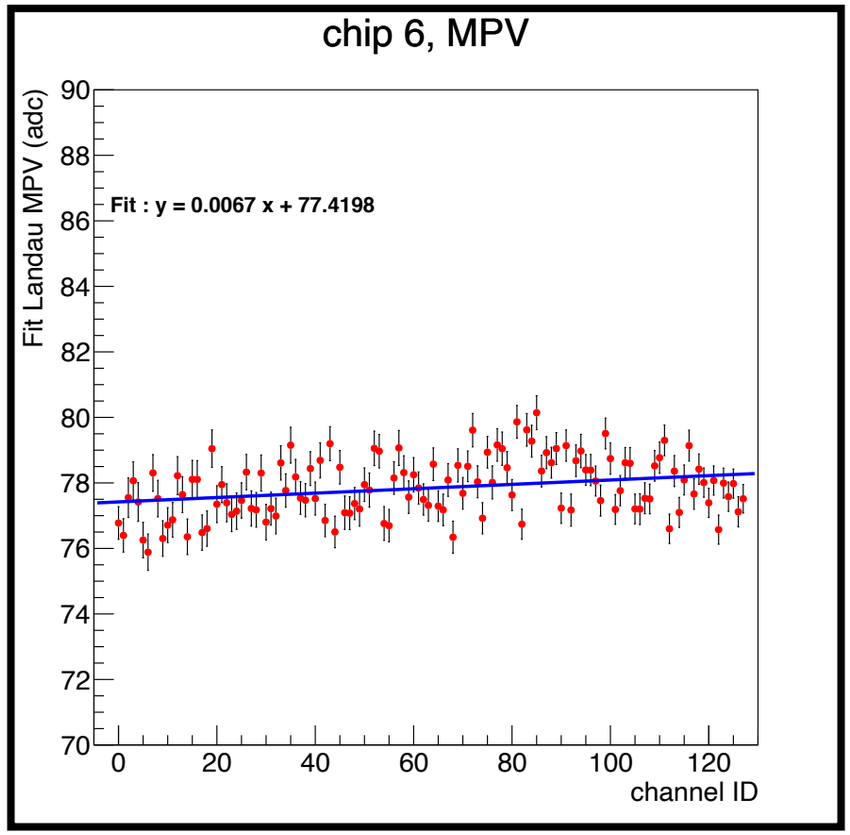
	Criteria 1	Criteria 2
02-0077	7	0
02-0046	2	1
02-0013	3	0
02-0016	5	1
02-0028	19	2

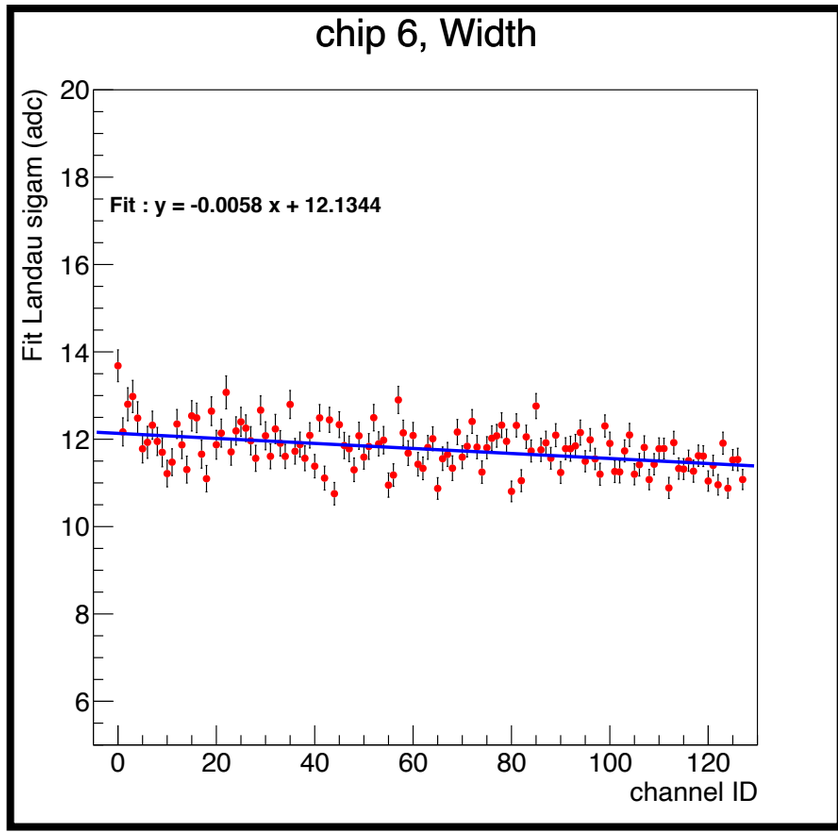
Source test, channel consistency

- Self-trigger mode
- Threshold : 40
- With Sr-90
- Fixed at U6
- 30 mins run









Source test, system noise

Self-trigger, no source

Threshold (adc)	Operation time (min)	total event	rate (per min per channel)
15	15.5	20873	0.404 ± 0.0028
40	1282	926089	0.217 ± 0.00022

Back up