

TB21 data analysis
MPV distribution for “Anton 1” sensor

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“Anton 1” - GaAs sensor – runs for scan position, LSB ~ 1.2

Crt.	Info type	Additional comment	EUDAQ		Beam information		Pad position		LUXE_ECAL - Stack description		Non-empty events			
			Run number	Events	Rate [kHz]	Energy [GeV]	X_pos, [mm]	Y_pos, [mm]	nb of W plates	GaAs w/ traces	Plane 0	Plane 1	Plane 2	Plane 0 - %
1	run		21	1109852	0.5	5	0	5	0	anton1	32835	33	231	3%
2	run		22	1005386	0.5	5	5	5	0	anton1	33700	32	151	3%
3	run		23	1036839	0.5	5	10	5	0	anton1	34929	50	149	3%
4	run		24	1008398	0.5	5	15	5	0	anton1	34887	57	175	3%
5	run		25	1131320	0.5	5	20	5	0	anton1	36815	49	224	3%
6	run		26	1040800	0.5	5	25	5	0	anton1	32379	54	219	3%
7	run		27	1006905	0.5	5	25	10	0	anton1	31869	47	162	3%
8	run		28	1029338	0.5	5	25	-10	0	anton1	30162	44	194	3%
9	run		29	1157375	0.5	5	25	-30	0	anton1	29514	47	179	3%
10	run		30	1016584	0.5	5	20	-30	0	anton1	26241	51	177	3%
11	run		31	1013236	0.5	5	15	-30	0	anton1	26146	49	181	3%
12	run		32	1057989	0.5	5	10	-30	0	anton1	27207	48	251	3%
13	run		33	1041100	0.5	5	5	-30	0	anton1	28971	42	282	3%
14	run		34	1059252	0.5	5	0	-30	0	anton1	29438	52	285	3%
15	run		35	1033126	0.5	5	-5	-30	0	anton1	28776	40	319	3%
16	run		36	1116483	0.5	5	-10	-30	0	anton1	29440	36	372	3%
17	run		37	1036401	0.5	5	-15	-30	0	anton1	26564	36	283	3%
18	run		38	2022866	0.5	5	-20	-30	0	anton1	54700	80	495	3%
19	run	noise level 1.2	650	1025613	0.5	5	0	0	0	anton1	27909	47	78	2%
20	run		652	1390730	0.5	5	0	-10	0	anton1	38005	70	118	3%
21	run		653	1009584	0.5	5	0	-15	0	anton1	28330	35	194	3%
22	run		654	1010424	0.5	5	0	-20	0	anton1	29965	42	167	3%
23	run		651	1018356	0.5	5	0	-5	0	anton1	28754	40	81	3%
24	run		655	1008564	0.5	5	0	0	0	anton1	20948	0	0	2%
25	run		81	1253282	0.5	5	0	0	0	anton1	78275	0	0	6%
26	run	large statistics	684	10676465	0.5	5	-7.1	-14	0	anton1	454285	1	1114	39%

Hit Map for plane 0









