

MIPP Update

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- MIPP statistics
- Detector
- Cryo-target

MIPP Statistics

Week 14-20 February 2005:

momentum	target	spill	emptyspill	kint	piint	pint	int_total	evt_total
-50	Beryllium	4315	409	12994	14924	2273	30191	52946
-50	Bismuth	9099	596	31894	37034	5112	74040	120502
-50	Empty	1516	130	5063	5374	834	11271	19819
-30	Bismuth	5486	1107	15524	16876	3409	35809	63627
50	Beryllium	5100	397	12778	16331	13784	42893	74104
50	Bismuth	11305	1460	28268	35878	29494	93640	155091
50	Carbon	10383	550	10557	27382	80956	118895	187918
50	Empty	3193	191	5217	8448	16549	30214	51482

Integrated total:

momentum	target	spill	emptyspill	kint	piint	pint	int_total	evt_total
-50	Beryllium	17188	1627	43723	55404	8085	107212	188343
-50	Bismuth	28812	2629	93817	117625	15220	226662	389433
-50	Empty	6678	307	20229	22794	3146	46169	80192
-30	Aluminum	1472	120	5645	6266	1525	13436	20039
-30	Bismuth	16666	1908	56334	64681	13784	134799	216785
-30	Empty	2772	306	9674	10369	2395	22438	35575
0	Beryllium	384	4	1137	1558	912	3607	5827
30	Beryllium	137	1	493	504	543	1540	2337
30	Bismuth	17092	885	58353	63813	58772	180938	277801
30	Empty	3732	292	11517	11636	10726	33879	55834
40	Aluminum	0	0	855	1739	1673	4267	8093
40	Beryllium	0	0	791	1569	1581	3941	7515
40	Bismuth	0	0	1634	8092	7903	17629	22804
40	Carbon	6	3	4531	34243	33643	72417	80321
40	Copper	0	0	587	2501	2481	5569	7687
40	Empty	6	5	1322	8190	6832	16344	33207
40	Silver	1	1	1381	6091	6782	14254	75896
50	Beryllium	17549	2183	46156	58665	58975	163796	321618
50	Bismuth	26965	4604	65022	74801	67936	207759	362053
50	Carbon	10383	550	10557	27382	80956	118895	187918
50	Empty	11237	1743	21939	29072	42186	93197	195060
total		161080	17168	455697	606995	426056	1488748	2574338

MIPP detector & beam status

- No big issues, mostly good data taking
 - Several minor problems with readout on RICH and TPC, gas supply to SWICs, Acnet console, ...
 - All got fixed with small or no loss of beam time.
- Beam was of good quality compared to previous weeks
 - Less time used for tuning.
 - Debunching in MI had little effect on beam quality.
 - Beam quality seems to be depending on beam intensity.

Cryo-target

- Target was down all of last week for reassembly and debugging after vacuum leak and move of frame to MC7
 - A pressure relief safety valve was not closing properly
- Target is now cooling again
- Schedule to be determined based on tests tonight and tomorrow

MIPP summary

- Good beam last week.
- Few small, no big problems with the detector
- Cryo-target is behind schedule