

MIPP Update

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Fermilab All Experimenters' Meeting

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- MIPP statistics
- Detector
- Cryo-target

MIPP statistics

- Accumulated data:

- Last week

momentum	target	spill	emptyspill	kirt	piint	pint
-30	Aluminum	742	40	2958	3318	758
-30	Bismuth	8443	1249	28080	32183	6864
-30	Empty	866	32	3511	3854	835

- Total

momtarget	spill	emptysKirt	PiInt	Pint	
-50 Beryllium	12181	1074	28956	38222	5489
-50 Bismuth	18006	1893	56786	74161	9312
-50 Empty	4989	171	14685	16865	2236
-30 Aluminum	1472	120	5645	6266	1525
-30 Bismuth	15255	1572	53049	61348	13259
-30 Empty	2772	306	9674	10369	2395
0 Beryllium	384	4	1137	1558	912
30 Beryllium	137	1	493	504	543
30 Bismuth	17092	885	58353	63813	58772
30 Empty	3732	292	11517	11636	10726
40 Aluminum	0	0	855	1739	1673
40 Beryllium	0	0	791	1569	1581
40 Bismuth	0	0	1634	8092	7903
40 Carbon	6	3	4531	34243	33643
40 Copper	0	0	587	2501	2481
40 Empty	6	5	1322	8190	6832
40 Silver	1	1	1381	6091	6782
50 Beryllium	12449	1786	33378	42334	45191
50 Bismuth	15660	3144	36754	38923	38442
50 Empty	8044	1552	16722	20624	25637

MIPP detector status

- Work during shutdown:
 - Surveying and alignment
 - Installation of frame to hold cryo-target
 - Had to purge all flammable gas for welding
 - Leak checking of Bckov gas system for low momentum data taking
 - Interaction counter studies
- Startup
 - Some delay for gas purges (TPC, drift chambers) used for special studies
 - Interaction counter

Cryo-target

- Target developed an air to vacuum leak in the Rohacell sphere around the target.
- We installed some target components in MC7.
- We fixed the vacuum leak.
- Testing will have to continue in MDB this week.

MIPP summary

- Not a lot of beam last week.
- Some beam-off tasks could be completed in the shutdown.