

Overview

- Startup after septum bakeout waiting week
- before beam: Movement studies of the target magnet: Its perfectly elastic
- beam came on Friday the 23th at 22:00, it became stable the following Saturday at 12:30
- All detectors were set up and fine by that time, a threshold scan of BMS 5 and 6 was done.



Efficiency

- 11009 spills physics + taken
- 13075 spills physics - taken
- SPS efficiency: 80.6%
- Beam use: 98.2%
- Spectrometer efficiency: 89.3%



Problems

- Water, once mistaken for smoke..
- DAQ sometimes went to throttle mode, because of failing disks in pccoeb16
- an annoying number of straw trips in the evenings



Efficiency

Period From: Fri, 23 Jul 2004 12:00 To: Fri, 30 Jul 2004 12:00

Calculated At: Fri, 30 Jul 2004 13:16

Length of time excluding scheduled MD: 168.00 hours

****** Efficiency of PS/SPS**

- a: Total SPS Circle (exclude scheduled MD): 35822.0
- b: SPS spill with T6 current >30.0: 28856
- c: Sum of T6 current 3561548.2
- d: (=b/a) PS/SPS Efficiency: 80.6%

****** Muon Beam In HALL 888**

- f: SPS spill In Hall with Muon Count >100000.0: 28341
- g: Sum of In Hall Muon Count: 5357741702750.0
- h: (=f/b) SPS Spill Get in 888: 98.2%

****** Use of SPS/Inhall Spill in COMPASS**

- i: Spill used with ion chamber counting >100.0: 25316
- j: (=i/f) Inhall spill used: 89.3%
- k: (=i/b) SPS spill used: 87.7%

Distribution of used spills:

- field_rotation runs used 997 spills, 3.9%
- random_trig runs used 6 spills, 0.0%
- beam_test runs used 122 spills, 0.5%
- physics- runs used 11009 spills, 43.5%
- physics+ runs used 13075 spills, 51.6%
- detector_test runs used 2 spills, 0.0%
- DAQ_test runs used 8 spills, 0.0%
- alignment runs used 94 spills, 0.4%

DAQ WORKING TIME(green)/BEAM NOT IN HALL TIME(BLACK)/SPS WORKING TIME(BLUE)

