

Summary of test beams

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Beam tests dates

Beam tests

- Service week 12th-16th September
- Service week 24th-29th October
- Service days: 9th Nov., 16th Nov., 23rd Nov., 30th Nov., 7th Dec.
- Test day 21st-22nd December

Target and Vacuum System



R. Milner

Clear target effect and 3 times higher flow possible.

Beam optimization

- Scrapers reduce count rates by factors (≈ 5)
- Optimal scraper position seem to be not fixed
- Opening of wigglers reduces BG significantly
- Injection still problematic → Reduce HV during injection

Trigger rates vs. magnetic field

B field	Rate/Current
0 %	70.2 Hz/mA
50%	5.1 Hz/mA
100%	2.3 Hz/mA

Both polarities behave the same
Toroid generates noise (reduced by x20)

- Rates of kinematic trigger
 - Variation of configurations make little effect
- Single configuration for all settings

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Caviat: Rates before TOFs were fixed!

Where we are...

Machine	Go. Fine tuning of BG and stability
Target	Go.
TOFs	(Go). Finish re-attachment and gluing + fine tuning
WC	(Go). Finish repairs. Checkout data. Push analysis
SYMB	? Analysis?
LG	(Go). Slow readout. Push analysis
MWPC	? Slow control and analysis?
DAQ	Go. Checkout of features
Slowctrl	Go. Include MWPC
Infrastructure	(Go). Noise on ground (PE)