

Beam Test Overview

Goals:

- Lead target survivability [Bob]
- low noise integration [KK]
- Integrating Compton photodetection [Paul]
- PREX detector prototype test [Piotr]
- Polarized source photocathode degradation effects [Kent]
- Hall A/C interaction in the source [Kent] **6 shifts, after beam time, for source studies**

Dates: January 27-30.

Possibly Jan 25-26, if target cool down is efficient

E06-007 scheduled start Jan 20. Nominally 2.775 GeV (P~99%)

CSR runs from 1/4-1/14.

Beam Energy

Linac: 0.908, total = $N \cdot E_{\text{linac}} + 0.051$.

Hall B, unpolarized, 5 pass. Hall C, polarized, 5 pass. Wien=122.2°

We can have any pass.

	1	2	3	4	5
E	0.959	1.867	2.775	3.683	4.591
P	64.1%	96%	99.7%	96.9%	69.4%