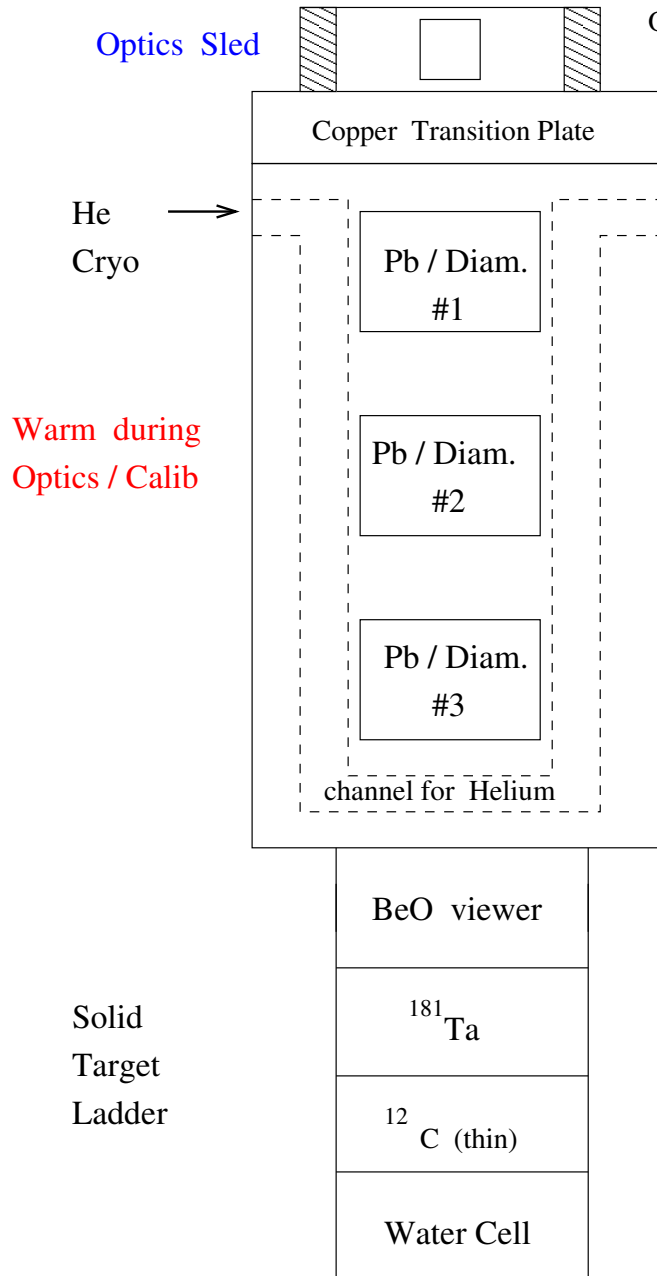


PREX OPTICS / CALIB PHASE TARGETS

R. Michaels, updated Feb 2010

This is a conceptual sketch.
An engineering dwg is in preparation.

Optics target: 5 carbon foils, 1 cm square at
 $Z = -15, -7.5, 0, +7.5$ and $+15$ cm



Element provided by	Thickness
Bob (Pb/Diam.)	0.5 mm lead isotopically pure 0.15 mm diamond

After optics studies, these 4 are removed and replaced with another solid target ladder. The Optics Sled (top) and Pb/Diamond remain in the scattering chamber throughout all phases.

Meekins	100 mg/cm ²
Meekins	100 mg/cm ²
Bob	desire: 0.075 mm, acceptable: 0.15 mm
Meekins	steel: 0.001" (20 mg/cm ²) 2 such steel windows Water: 5 mm (500 mg/cm ²)