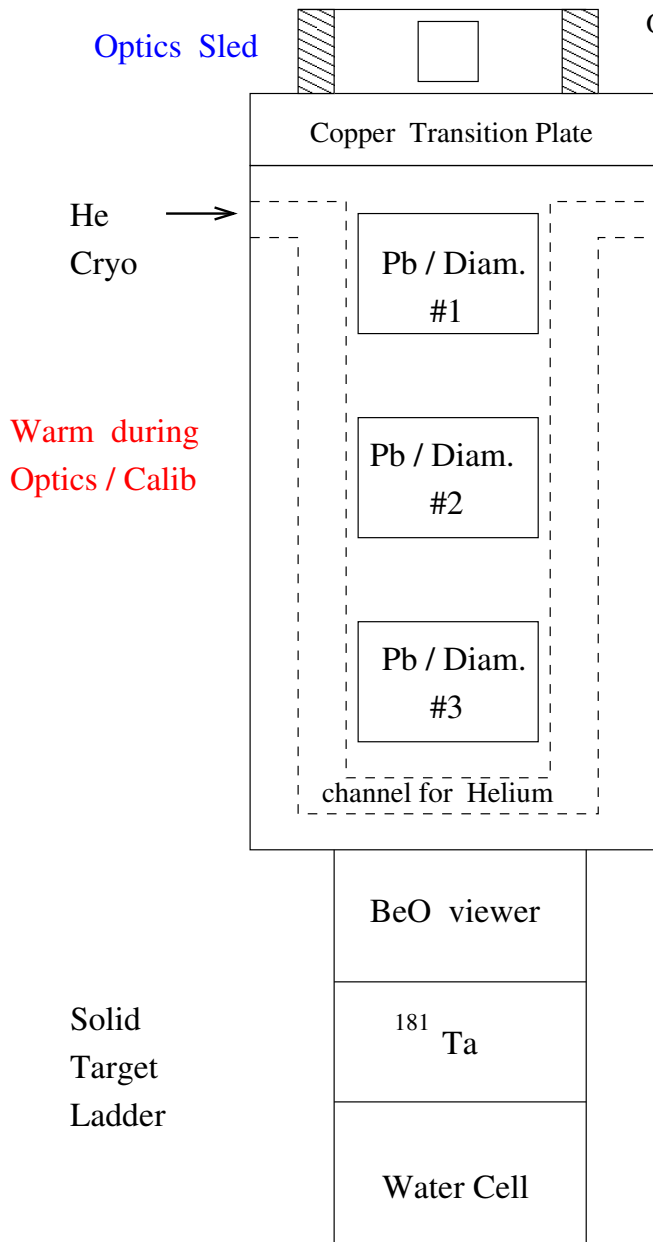


# PREX OPTICS / CALIB PHASE TARGETS

R. Michaels, Oct 2009

This is a conceptual sketch.  
An engineering drawing 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 3 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 <sup>2</sup>
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	steel: 0.001" (20 mg/cm <sup>2</sup> ) 2 such steel windows
Meekins	Water: 5 mm ( 500 mg/cm <sup>2</sup> )