HAWC Calibration: Setup, Schedule, ...

Optical diffusers and float assemblies

John A.J. Matthews

johnm@phys.unm.edu

University of New Mexico

Albuquerque, NM 87131
Calibration system: Conceptual Design

Light pulses from the calibration laser end at a single diffuser positioned above the central PMT in each WCD:

- The diffuser is held by the diffuser float assembly
- The diffuser is positioned a distance: $d_1 + d_2$ above the top of the central PMT
- $d_1$ is a length of kevlar string and $d_2$ is a loop of kevlar string each “terminating” with SS solid rings that are connected using a SS split ring.
HAWC calibration *Float assembly details*

- Diffuser is secured by the hose clamp.