Black sheet, PMTs, water material definitions:

1. The only physical objects defined in the Water Cherenkov detector are PMTs and black sheet, (oh and water)

2. PMTs are 1/2 spheres with a glass surface

3. Black sheet, glass reflection/refraction characteristics from SKdetsim

4. Water Rayleigh scattering uses Geant4 code

5. Water Mei scattering not included (for now)

6. Water, glass and black sheet all have refractive indices defined w.r.t photon energy.