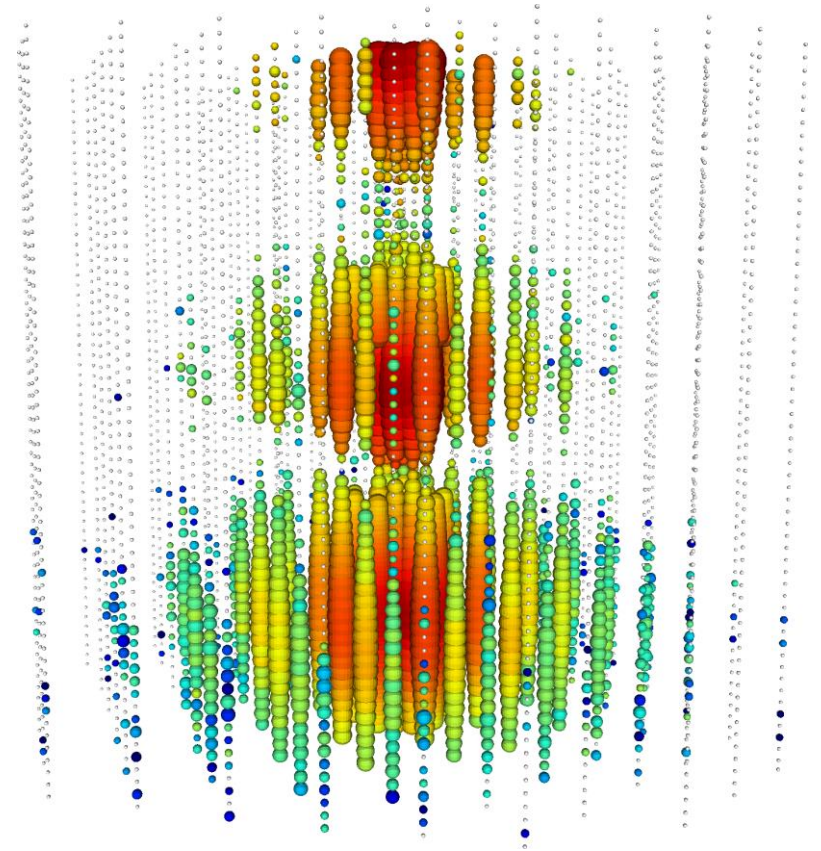


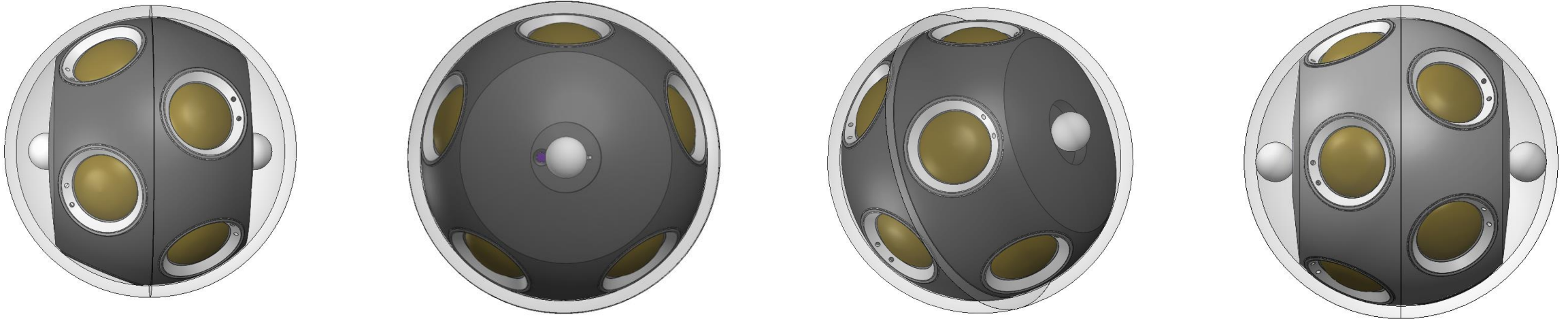
Gen2 – Optical Calibration

- Know from experience that sufficient calibration means are **crucial**
 - What systematics to tackle?
 - ~~All of them~~
 - Ice scattering / absorption / anisotropy
 - Module efficiencies / angular acceptance
 - Hole / infrastructure induced (borehole, cable, etc)
 - Brainstorming of calibration ideas for Gen2
 - LED flashers
 - PencilBeam- / LiDaR type
 - POCAM-type
 - What if no standalone calibration modules possible?
 - In-situ type devices
- Simulation efforts to investigate potential of different device types?



POCaM Gen2 – calibration module concept

- **IceCube Gen2 idea:**
 - Incorporate analogboard/PFTE-sphere stack in optical modules



Preliminary illustrations | P-ONE concept study

POCaM Gen2 / P-CAL – first guess Geant4 simulations

