AK's list of TODO (/ to contribute) items
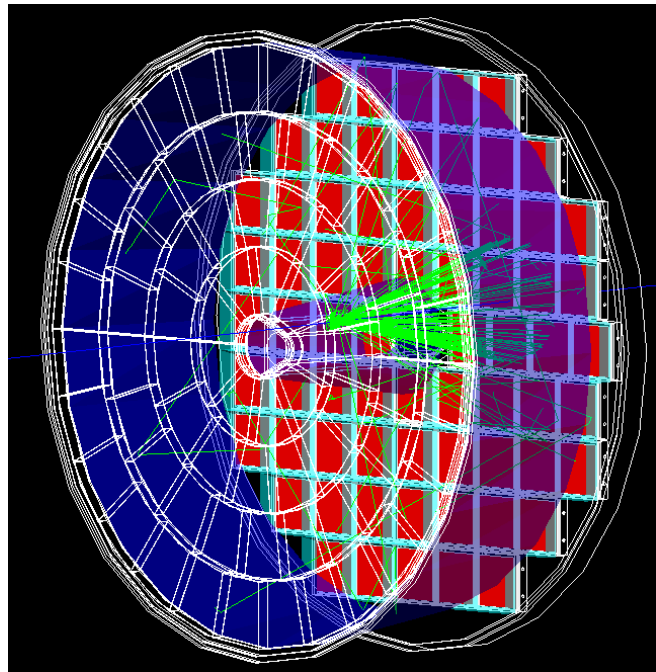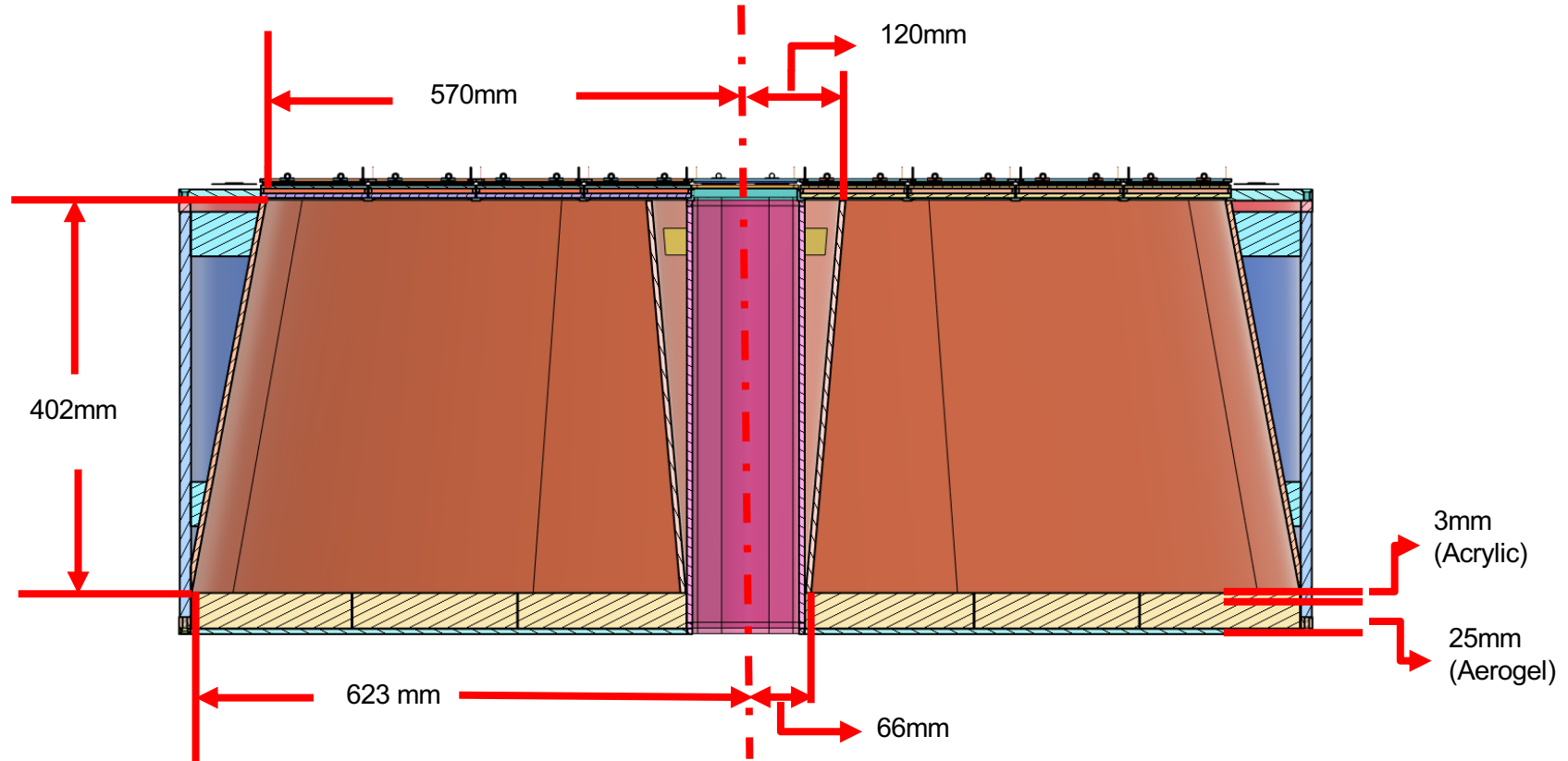
➢ Aerogel segmentation / compartmentalization

  ➢ Done: four bands with tiles <143mm size (6 shapes; 43 -> 74 tiles total); 0.5mm clearance gaps

➢ Vessel size, mirror slopes & other minor overall geometry updates

  ➢ Done (yet there is a ~10mm mismatch on the sensor plate)

➢ HRPPD location on the sensor plate

  ➢ Done: 1.5mm -> 3.0mm installation gaps (TBC with Alex)

➢ HRPPD QE curve update

  ➢ Pending (trivial)

➢ 1.7T B-field map import, vtx smearing & other trivial stuff

  ➢ Done

➢ Track resolution accounting

  ➢ Pending (requires work)

➢ ToF code clean up

  ➢ Pending (requires work)

lut-may-2024 branch

Vessel dimensions (CAD)

Slide by Alex Eslinger

Vessel dimensions (CAD)

Slide by Alex Eslinger

Containment Vessel

Radially-Tiled Aerogel

68 HRPPD Modules

Inner Conical Mirror

Outer Conical Mirror

1727mm

1686mm

1236mm

41mm (Services Clearance)

120mm (Mirror)

IP

570 mm (Mirror)

650 mm

402mm (Mirror)

3mm (Acrylic)

25mm (Aerogel)