## HCal insert + LFHCAL in EPIC DD4hep

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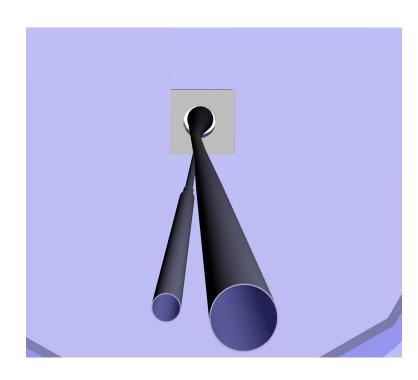
## HCal insert + HCal status

- Models fully merged with EPIC DD4Hep model
  - HCAL insert:
    - 30 layer of W/Sc and 20 layers of Fe/Sc.
      ~60x60 cm2.
    - Geometry is realistic and includes clearance to beampipe (i.e absorber plate changes shape along z to accommodate crossing angle).

## o LFHCAL:

- Cylindrical with 50 layers of Steel/Sc + 10 layers of W/Sc (1.6 cm/0.4 cm)
- Geometry is simplified (does not include tower structures or gaps)

Needs: Make sure we store reconstructed hits, not clusters. This is needed for developing of clustering algorithms (needed in 3D or 3D + time)



Beampipe entering insert

## Geometries are validated against test-beam data

