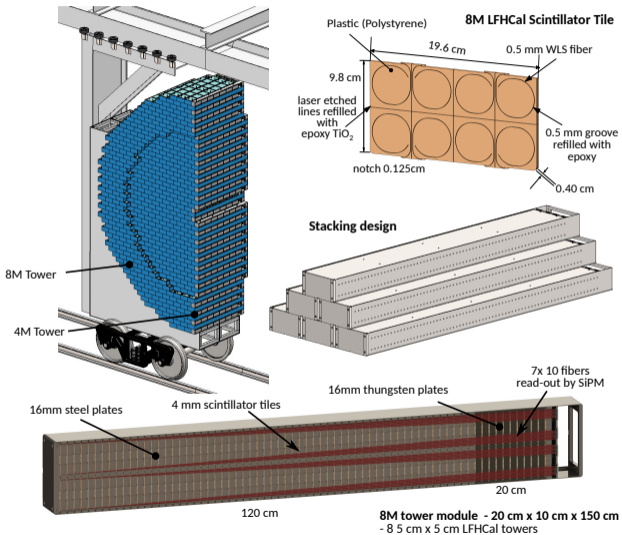


Longitudinally separated Forward HCal (LFHCal) Geometry Implementation DD4Hep

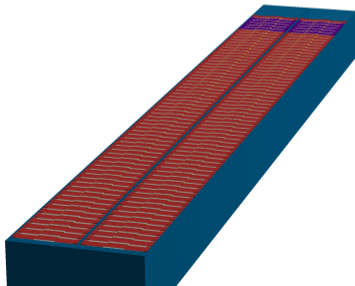
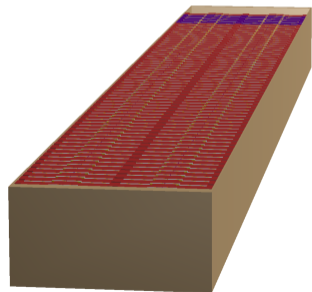
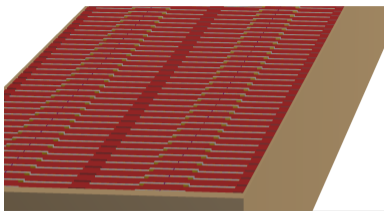
November 16, 2022

**Friederike Bock (ORNL)
for the LFHCal crew**

Calorimeter Details Mechanical



First Module Implementation



- First implementation of detailed 4M & 8M geometries done with internal tower structures
- Correct dead area implementation according to technical drawing (small modifications in inactive area)
- Left out WLS fibers for now, computation time as is already extensive
- Currently working on placements of ~ 1100 modules in right places
- Next: Hit \rightarrow Tower/Segment association & cluster finding