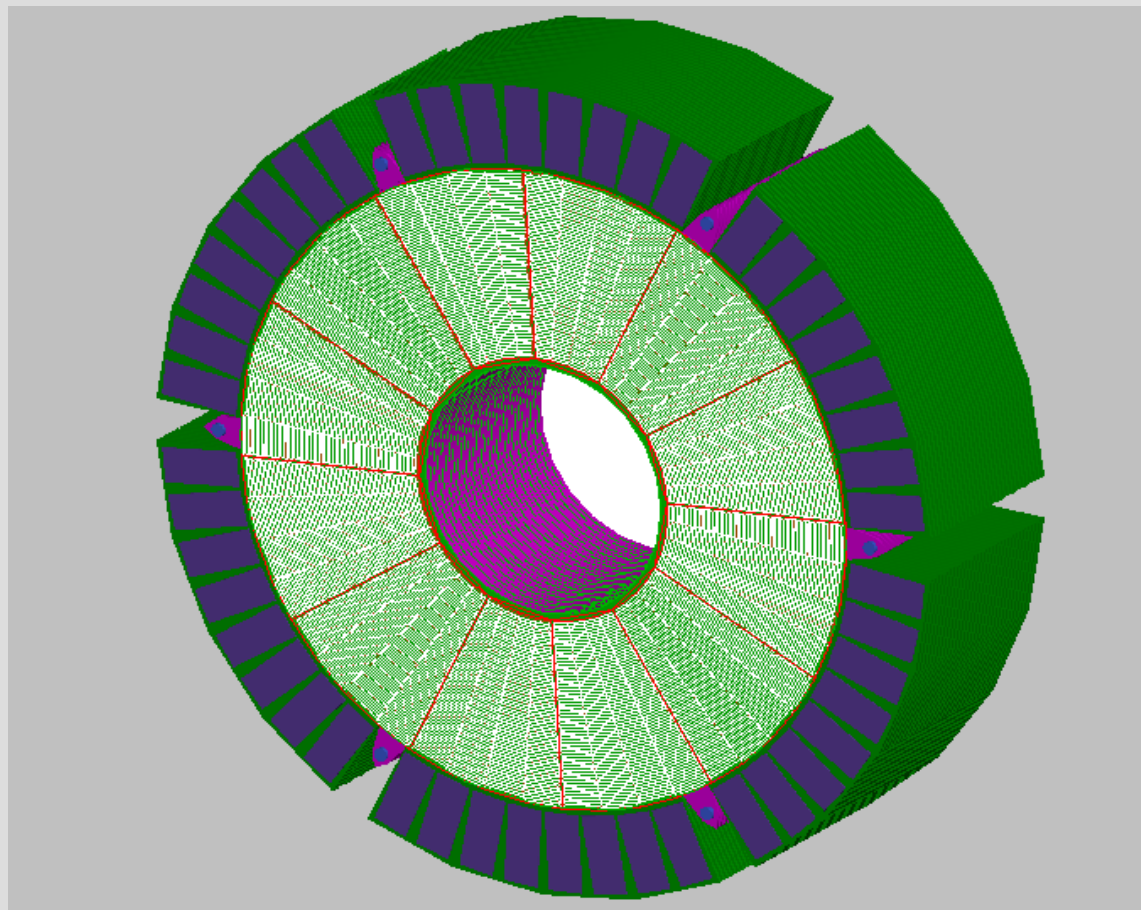
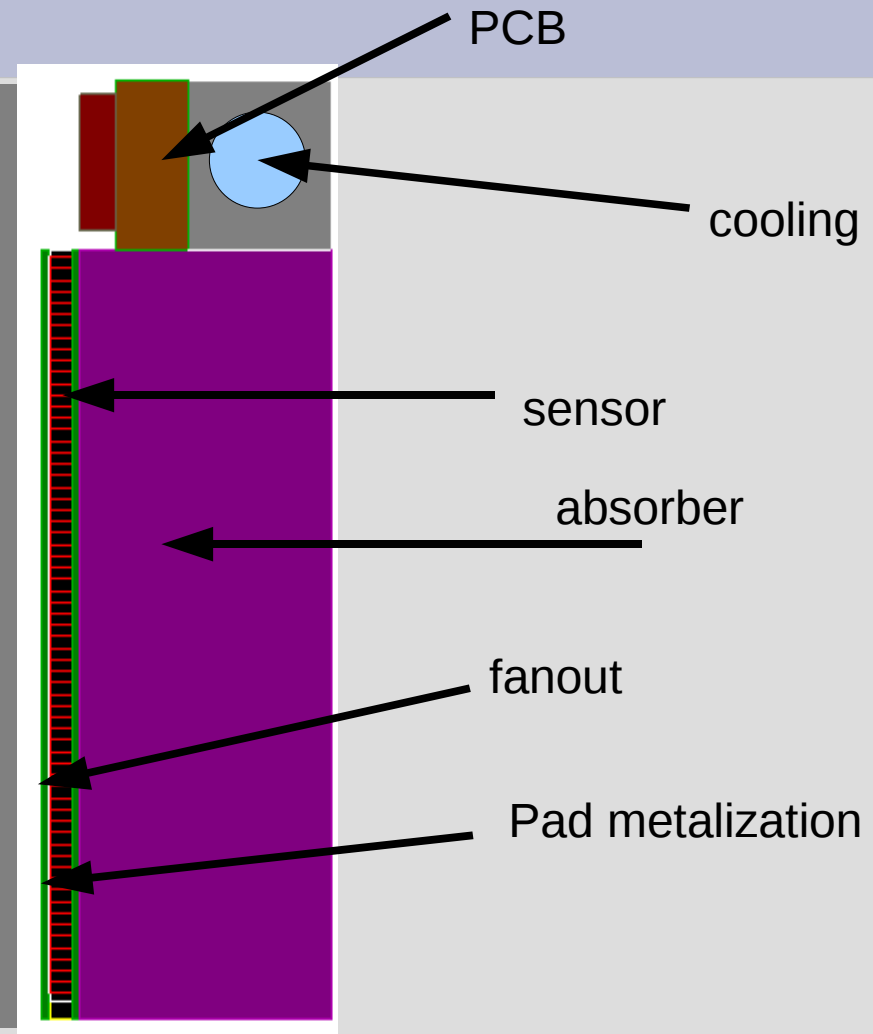
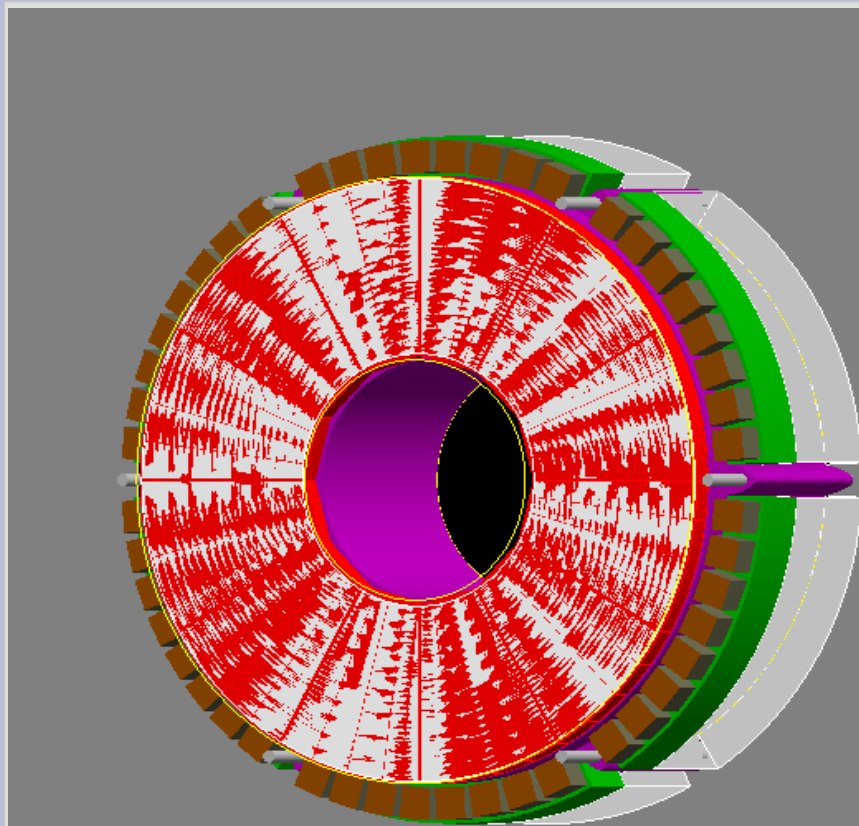


Status of LumiCal Simulation Software



Implemented Geometry



New Drivers

SLcal03 - LumiCalX01 (tag mokka-07-02)
tile gaps, pad metalization, support structure, cooling, electronics

usage:

```
/Mokka/init/detectorModel ILD_00fwp01  
/Mokka/init/EditGeometry/rmSubDetector Slcal02  
/Mokka/init/EditGeometry/addSubDetector SLcal03 100
```

LumiCalV -LumiCalV00 (mokka trunk)
as above, instead real cells virtual one are implemented,
save 30% CPU time

usage:

```
/Mokka/init/detectorModel ILD_00fwp01  
/Mokka/init/EditGeometry/rmSubDetector Slcal02  
/Mokka/init/EditGeometry/addSubDetector LumiCalV 100
```

Default Parameters

```
/Mokka/init/globalModelParameter Lcal_z_begin 2500.  
/Mokka/init/globalModelParameter Lcal_inner_radius 77.275  
/Mokka/init/globalModelParameter Lcal_outer_radius 196.5  
/Mokka/init/globalModelParameter Lcal_extra_size 26.  
/Mokka/init/globalModelParameter Lcal_n_layers 30  
/Mokka/init/globalModelParameter Lcal_n_tiles 12  
/Mokka/init/globalModelParameter Lcal_nstrips_phi 48  
/Mokka/init/globalModelParameter Lcal_nstrips_theta 64  
/Mokka/init/globalModelParameter Lcal_phi_offset 0  
/Mokka/init/globalModelParameter Lcal_sensor_phi_offset 3.75  
/Mokka/init/globalModelParameter Lcal_layer_gap 0.1  
/Mokka/init/globalModelParameter Lcal_tile_gap 1.2  
/Mokka/init/globalModelParameter Lcal_silicon_thickness 0.32  
/Mokka/init/globalModelParameter Lcal_support_thickness 0.4  
/Mokka/init/globalModelParameter Lcal_tungsten_thickness 3.5
```

Recommended FCAL Setup

This replaces obsolete SLcal02:

```
/Mokka/init/detectorModel ILD_00fwp01  
/Mokka/init/EditGeometry/rmSubDetector SLcal02  
Mokka/init/EditGeometry/addSubDetector SLcal03 100  
#/Mokka/init/EditGeometry/addSubDetector LumiCalV 100
```

or :

Following 7 lines will build only forward calorimetry, mask, field and beam tube

```
/Mokka/init/detectorModel ILD_00fwp01  
/Mokka/init/EditGeometry/rmSubDetector all  
/Mokka/init/EditGeometry/addSubDetector SLcal03 100  
#/Mokka/init/EditGeometry/addSubDetector LumiCalV 100  
/Mokka/init/EditGeometry/addSubDetector LHcal01 120  
/Mokka/init/EditGeometry/addSubDetector tubeX05 150  
/Mokka/init/EditGeometry/addSubDetector maskX03 160  
/Mokka/init/EditGeometry/addSubDetector BeamCal01 650  
/Mokka/init/EditGeometry/addSubDetector fieldX03 1000
```