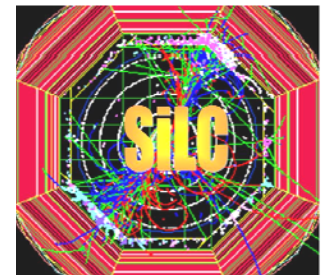# Silicon Tracking In Mokka

Valeri Saveliev (Obninsk State Uni)
on behalf SiLC Collaboration

Implementation

- ➢ SIT: 2 barrel layers of Si thickness 275 microns + Carbon Fiber Support - thickness 1mm
- ➢ FTD: Seven Disks
    First 3 disks (pixel technology) - Si thickness 50 microns + Carbon Fiber support - thickness 1 mm ,
    Last 4 disks (strip technology) - Si thickness 275 microns + Carbon Fiber Support 1 mm,

- ➢ ETD 3 disks, XUV plane (strip technology) - Si thickness 275 microns + Carbon Fibers Support 1 mm,

- ➢ SET 2 barrel layers of Si, thickness 275 microns + Carbon Fiber Support 1 mm,

Material Budget of one layer 275 microns of Si + 1mm of Carbon is 0.65%

Silicon Tracking in Mokka

Flavor

SIT

ETD

FTD

SET

Magnitude

Implementation

➢ Drivers: SIT, FTD, ETD, SET is ready and implemented in Mokka

➢ Super Drivers:
>   SSit02, SFtd02, Setd01 is implemented and included in the
>   Detector Model LDC01_06Sc_test
>   SSet01 is implemented, needed to include in the Detector Model

➢ Super Drivers SSit02, SFtd02, Setd01 are tested with Detector Model
   LDC01_06Sc_test,

➢ Sharing parameters table is modified for using the SiLC superdrivers
   with connection mainly to TPC and ECal parameters.