

Detector Models

The mcdrcal00 detector model:

Properties of the calorimeter which is realized as a dual readout optical calorimeter and muon system:

	electromagnetic section	hadronic section	muon system
material	BGO (PbF2)	BGO (PbF2)	Iron
density [g/cm3]	7.13 (7.77)	7.13 (7.77)	7.85
Cell size [cm]	1x1x2	2x2x5	10x10x10
Layers	10	30	22
Detector Depth [cm]	20	150	220
Radiation Length [cm]	1.1 (0.93)	1.1 (0.93)	1.76
IA length [cm]	22.7 (22.4)	22.7 (22.4)	16.8
Total Nr of IA length (em+had)	7.5 (7.6)		

[zip file](#)



