



Global Parameters

New Proposed 4.5 λ Detector

Detector	Radius (m)		Axial (z) (m)	
	Min	Max	Min	Max
Vertex Detector	0.014	0.060	0.000	0.180
Central Tracking	0.206	1.250	0.000	1.607
Endcap Tracker	0.207	0.492	0.850	1.637
Barrel Ecal	1.265	1.409	0.00	1.765
Endcap Ecal	0.206	1.250	1.657	1.800
Barrel Hcal	1.419	2.493	0.000	3.018
Endcap Hcal	0.206	1.404	1.806	3.028
Coil	2.591	3.392	0.000	3.028
Barrel Iron	3.442	6.082	0.000	3.033
Endcap Iron	0.206	6.082	3.033	5.673



Design Changes

- Hcal grows in thickness
 - Both Barrel and End Cap
- Barrel Detectors get Longer
 - Except Tracker stays unchanged
- Solenoid
 - Radius Grows
 - Stored Energy Higher
- LumCal Moves Forward
 - From 1680 to 1557mm in Z