

Geant4 simulation of LumiCal 2015 TB - Calorimeter geometry

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Tungsten layers

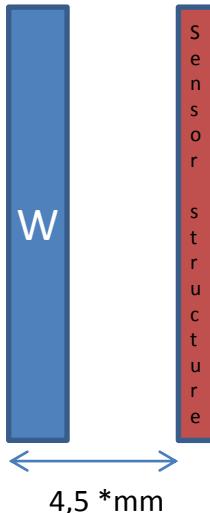
c3

c2

→
Beam

W layer	MGS1	MGS2	MSG3	MGS4	P2	P3	P4	P5	P1
% W	93	93	93	93	95	95	95	95	95
mm	3.584	3.521	3.542	3.566	3.470	3.520	3.475	3.490	3.505

First stack



element	Material	width [mm]
Tungsten (P2)	95 % W	3.470
Air		4.5 – width W P2 \cong 1
Kapton Fan out	C, H, N, O	0.05
Sensor	Si	0.32
Kapton HV	kapton + ?	0.05
Glue	?	0.03
envelope	C + ?	0.15
Air		3.9

