

# cdcaug05\_rpchcal

This is a variant of the Compact Detector Concept modelled as of July 31, 2005, to be used for detector studies at Snowmass. Please see [cdcaug05](#) for details of the baseline geometry.

The compact description of this detector in xml format can be found at [http://www.lcsim.org/detectors/cdcaug05\\_rpchcal.zip](http://www.lcsim.org/detectors/cdcaug05_rpchcal.zip) . What follows is a plain text description of the file compact.xml found in this zip file.

The only change has been to the hadron calorimeter readout. RPC's have replaced the scintillator.

## Hadron calorimeter:

The hadron calorimeter is a Tungsten/RPC sampling calorimeter. It is composed of 50 layers of

material	thickness
Tungsten	0.75cm
PyrexGlass	0.11cm
RPCGas	0.12cm
PyrexGlass	0.11cm
Air	0.16cm
G10	0.25cm