

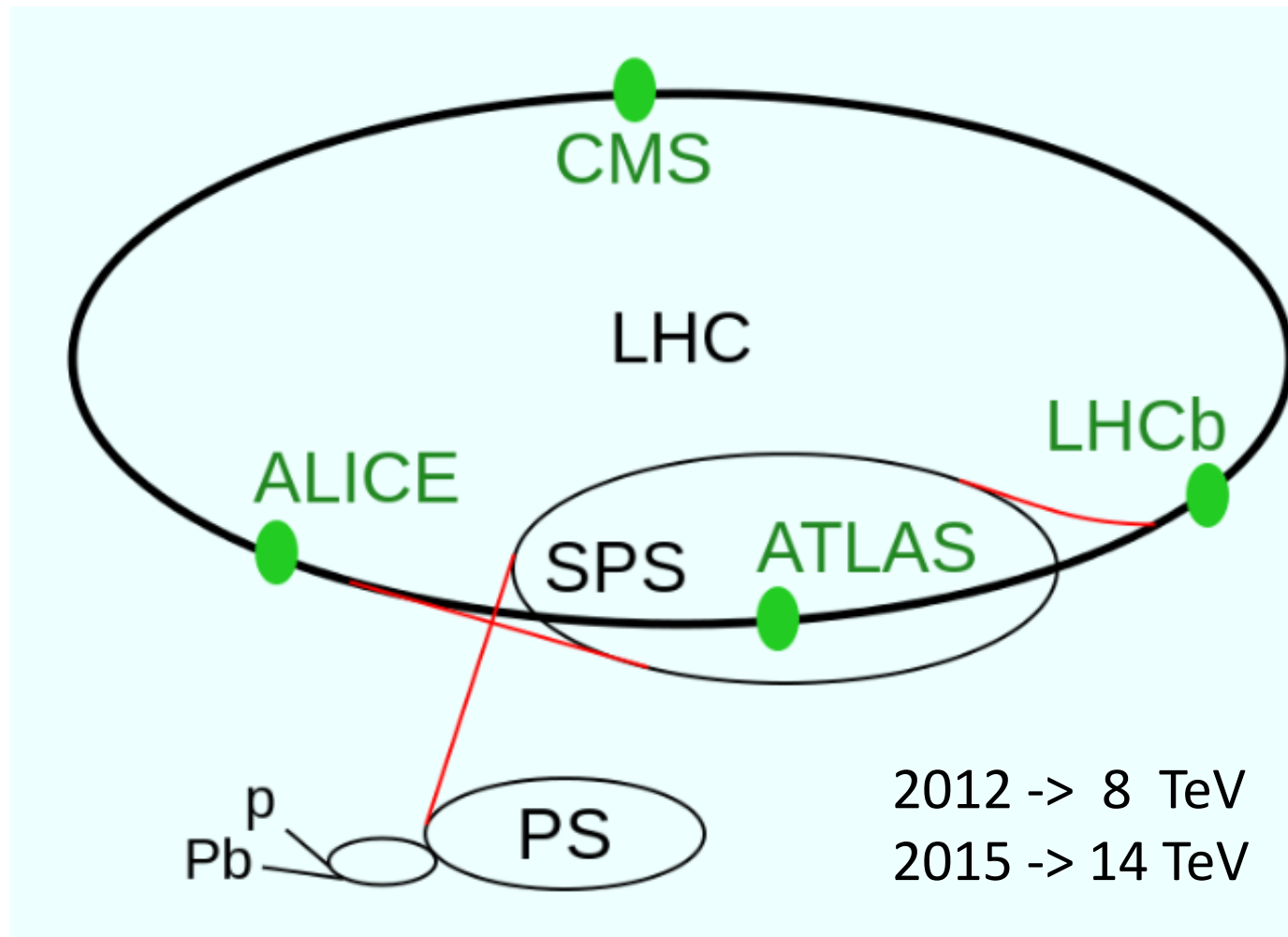


CBI Kick off week Fall 2013

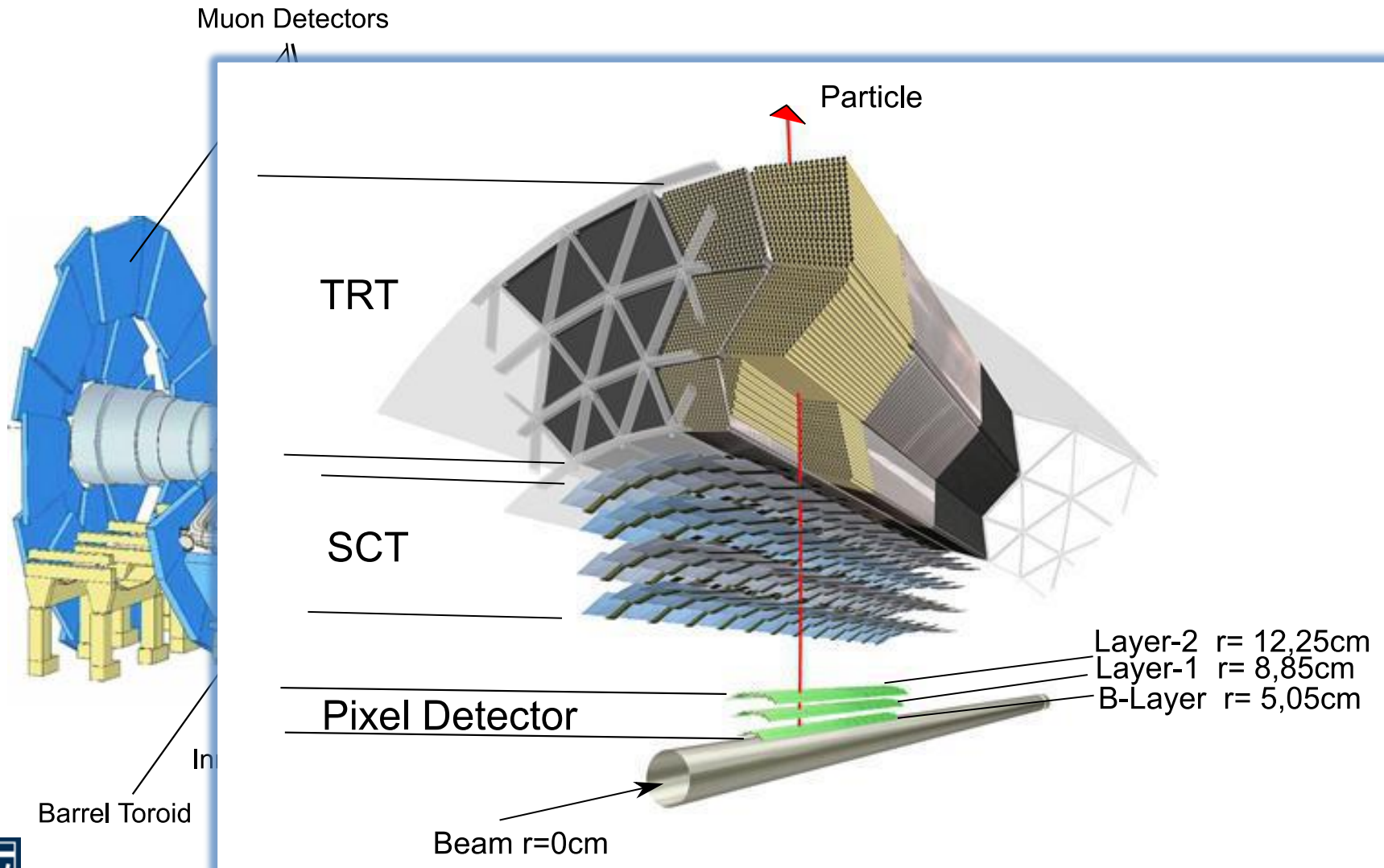
Idealab@CERN

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Large Hadron Collider (LHC)



ATLAS Detector & Sub detectors



Insertable B-Layer (IBL)

TALENT researchers are enrolled with the IBL project (DQ, cooling, detectors..)



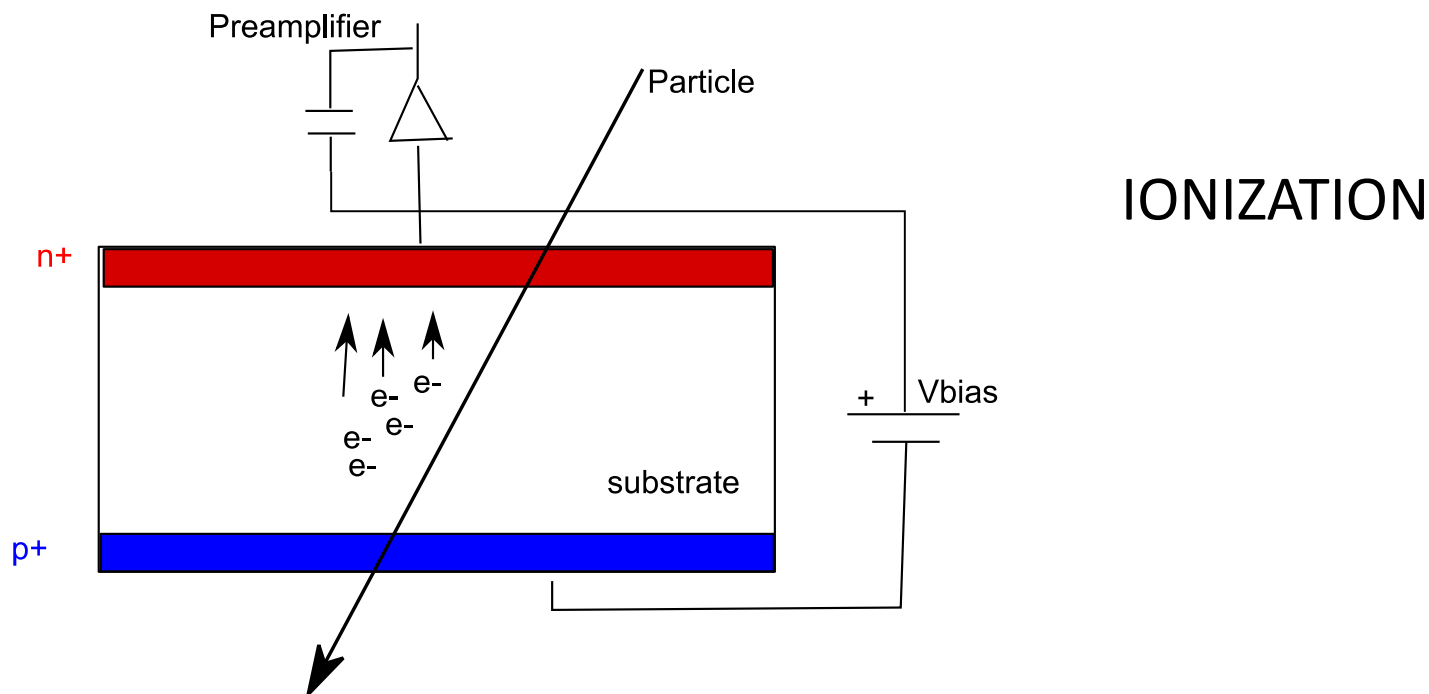
Development and Application of Silicon Pixel Detectors

- 3.2 cm -> more particle flux
- 8 TeV -> 14 TeV



Hardness radiation
Sensors Technologies
(Planar, 3D sensor)

How a Semiconductor Detector works





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