

Hcal Geometry

(second version)

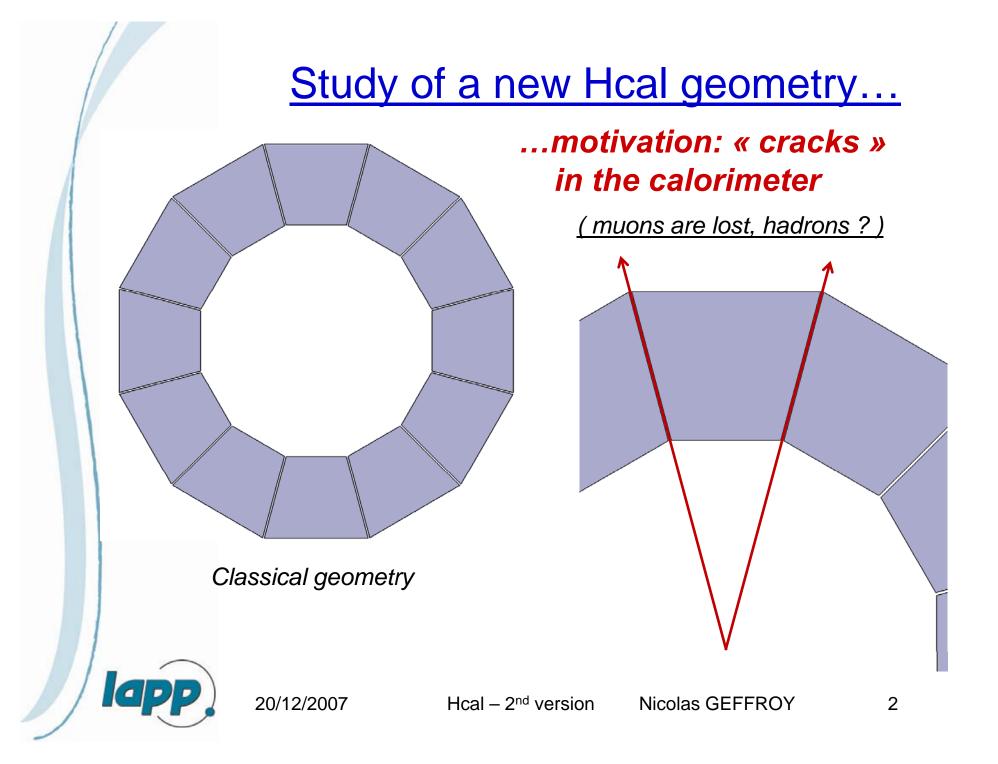
December 2007, 20th





INSTITUT NATIONAL DE PHYSIQUE NUCLÉAIRE ET DE PHYSIQUE DES PARTICULES





Study of a new Hcal geometry...

In order to avoid cracks, the edges should not point to the center of the barrel

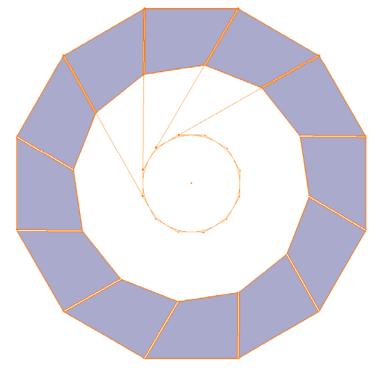


Proposal of a <u>first</u> tilted geometry

First version :

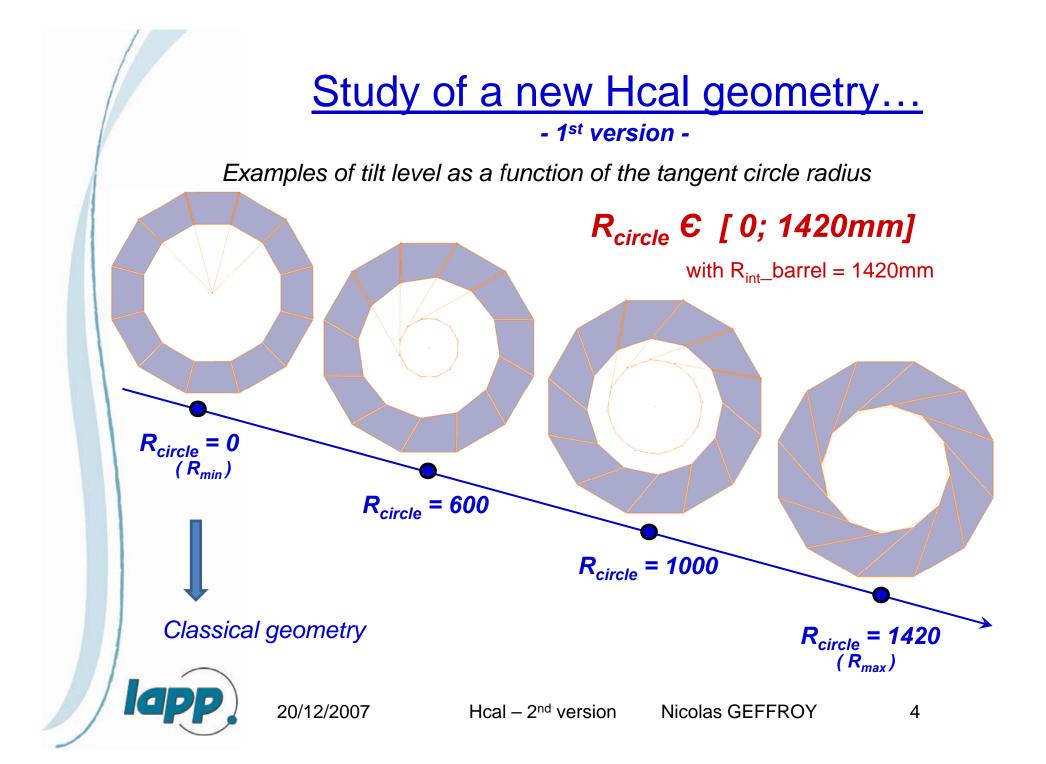
The edges are **tangent to a circle**, centered on the beam axis.

The **circle radius** is the parameter which determinates the tilt level





20/12/2007



Study of a new Hcal geometry... - 2nd version -

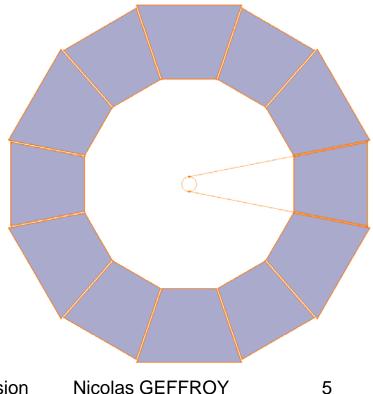
In order to avoid cracks, the edges should not point to the center of the barrel

Proposal of a <u>second</u> tilted geometry

Second version :

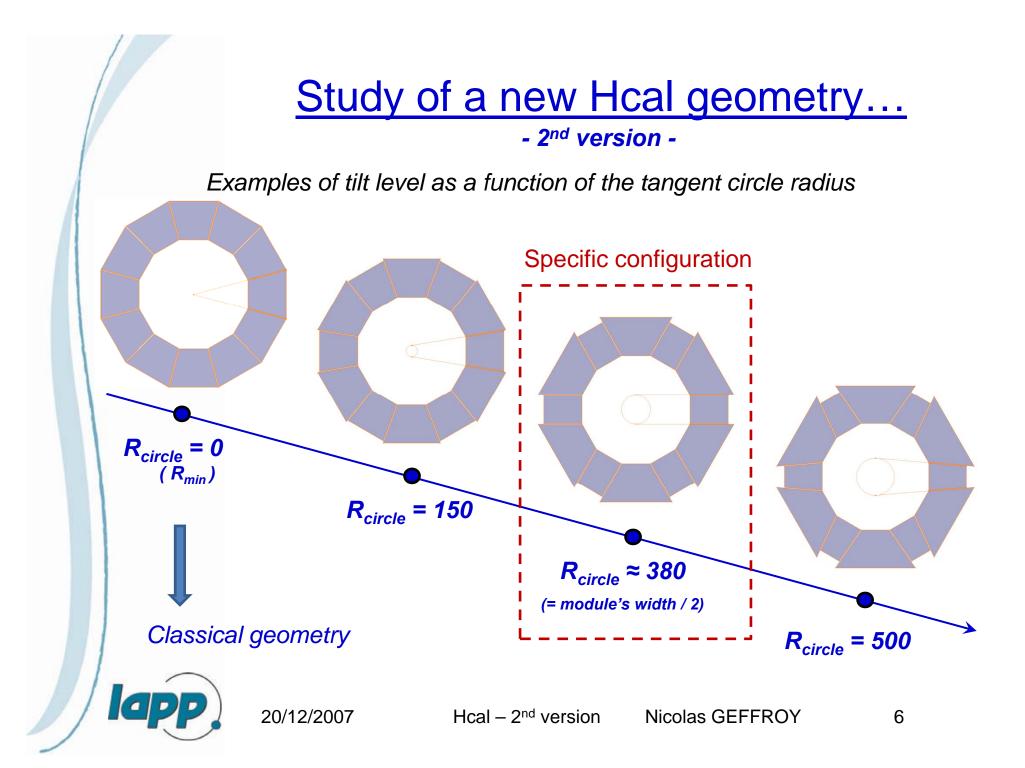
The 2 edges of a module are tangent to a circle, in an opposite way

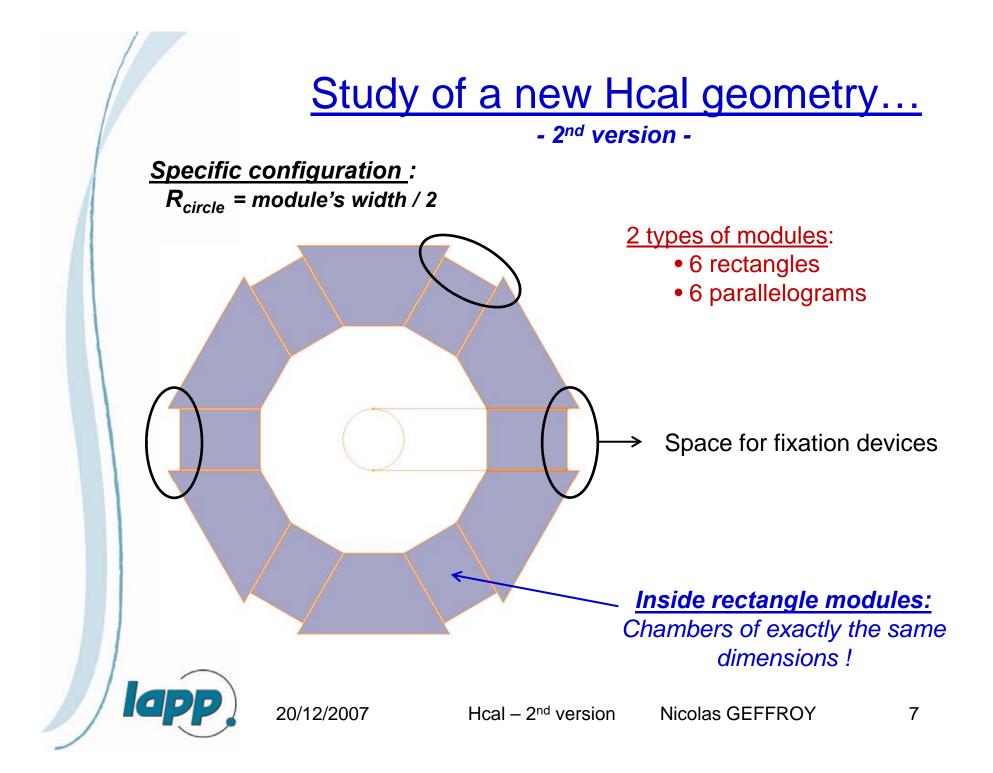
The circle radius is the parameter which determinates the tilt level

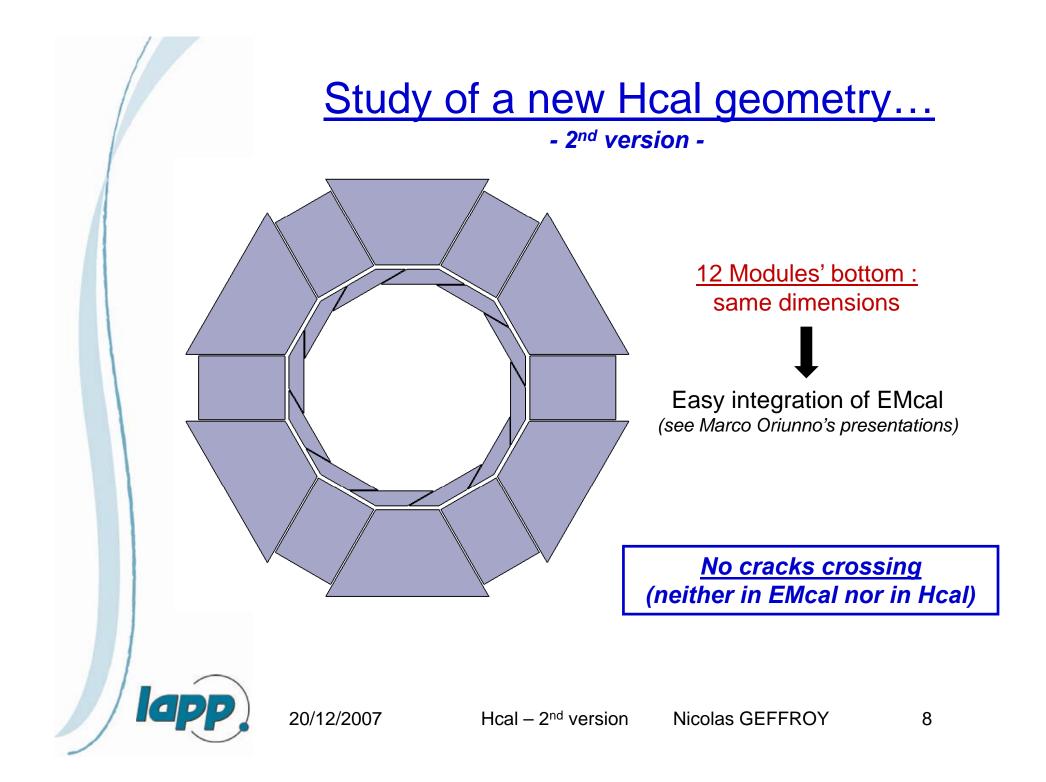




5







Study of a new Hcal/EMcal assembly...

