

The pixel detector for High Luminosity LHC

- High luminosity LHC: a new exciting challenge for detectors (high dose, high fluence, trigger needs, ...)
- The new CMS pixel detectors concept to satisfy the stringent needs of HL
- Mechanical design and innovations
- Services solutions
- CROC: The pioneering Read Out Chip of CMS tracker
- Serial powering concept and working design
- Innovative sensors choice