Upgrade of ATLAS Hadronic Tile Calorimeter for the High Luminosity LHC

- At the HL-LHC, instantaneous luminosity will be increased by a factor ~7.
- ATLAS Tile Calorimeter will need new electronics to meet the requirements of a 1 MHz fully digital trigger, higher radiation dose and ensure a good performance under a high pile-up level.
- TileCal upgrade program has undergone extensive R&D and test beam studies.
- Ongoing developments and recent results are discussed in the poster.