

# Upgrade of ATLAS Hadronic Tile Calorimeter for the High Luminosity LHC

- At the HL-LHC, **instantaneous luminosity** will be **increased** by a factor  $\sim 7$ .
- 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.

