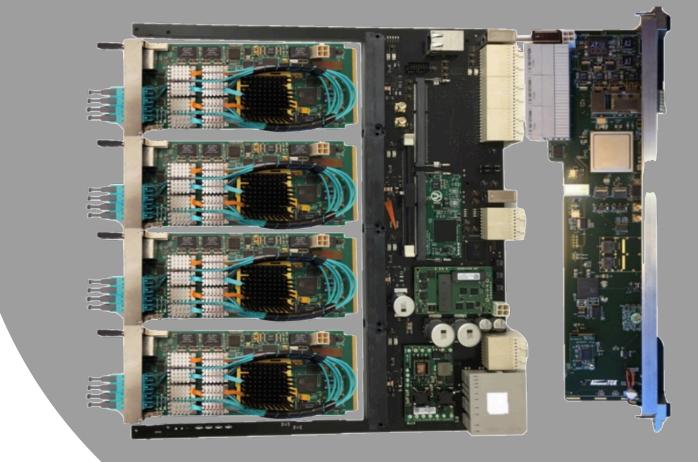# The TileCal PreProcessor Interface with the ATLAS Global Data Acquisition System

- **ATLAS** Tile Hadronic Calorimeter (**TileCal**) **will replace completely** on- and off-detector **electronics** adopting a new read-out architecture for **Phase-II Upgrade**

  - Tile PreProcessor (**TilePPr**) provides the **interface** between the **front-end electronics** and Front End LInk eXchange (**FELIX**)

  - **FELIX** acts as a **router** receiving data from **TilePPr** and forwarding it to SWROD, as well as **proving trigger acceptance and clock signals** to TilePPr

  - Data from **FELIX** is **transmitted** to SoftWare ReadOut Driver (**SWROD**) where **custom functions** will handle the **data checking** as well as **monitoring**

Antonio Cervelló, Fernando Carrió, Raimundo García, Julio Martos, Jesús Soret, José Torres, Alberto Valero on behalf of the **ATLAS Collaboration**