

JEM Mezzanines

16 (out of 32) **JEMs** receiving signals from TileCal PPMs

Four input mezzanines per JEM

- 12 hadronic (and 12 electromagnetic) inputs each

Replace three mezzanines handling core signals

- Large Artix FPGA
- Receive 960 Mb/s
- On to MGTs w/o processing
- 3 fibres worth of incoming tile data at 6.4 Gb/s
- 4 copies to FEXes
- Through MicroPOD 12-channel transmitter
- To front panel (MPO/MTP)
- Replacement on half the JEMs (3*16 plus spares)

