

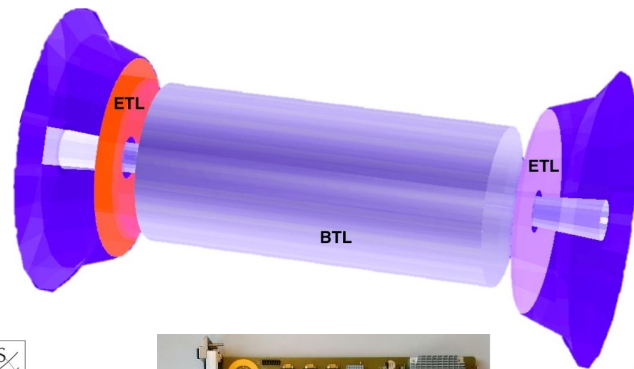
The DAQ and clock distribution system of CMS MIP Timing Detector

Polina Simkina
on behalf of the CMS collaboration

- The new timing detector with ~ 30 ps time resolution at HL-LHC start and ~ 60 ps at 3000 fb $^{-1}$.
- The DAQ system is being built using the **state-of-the-art ATCA board** with two **high speed Xilinx FPGAs**.
- **Versatile software framework** developed to be used with both sub-detectors.
- Results on:
 - Clock distribution measurements.
 - DAQ system tests.
- And more!

BTL: LYSO crystals
and SiPM

ETL: LGAD
sensors



Serenity
board