

Digitization for ZDC

- Crystal EM calorimeter
 - SiPM or APD readout with ASIC (ADC/TOT/TOA)
 - 576 channels
- W/Si EM calorimeter
 - Si pad detector readout with ASIC (ADC/TOT/TOA)
 - e.g. HGCROC ASIC
 - 72,000 channels
- Fine-segment layers for position information
 - e.g. Si strip detector readout with ASIC, 4 layers
 - Optionally timing information with LYSO+AC-LGAD
- Pb/Si Hadron calorimeter
 - Same as W/Si EM calorimeter
 - 43,200 channels
- Pb/Scintillator Hadron calorimeter
 - SiPM or PMT readout with ASIC (ADC/TOT/TOA)
 - 72 channels