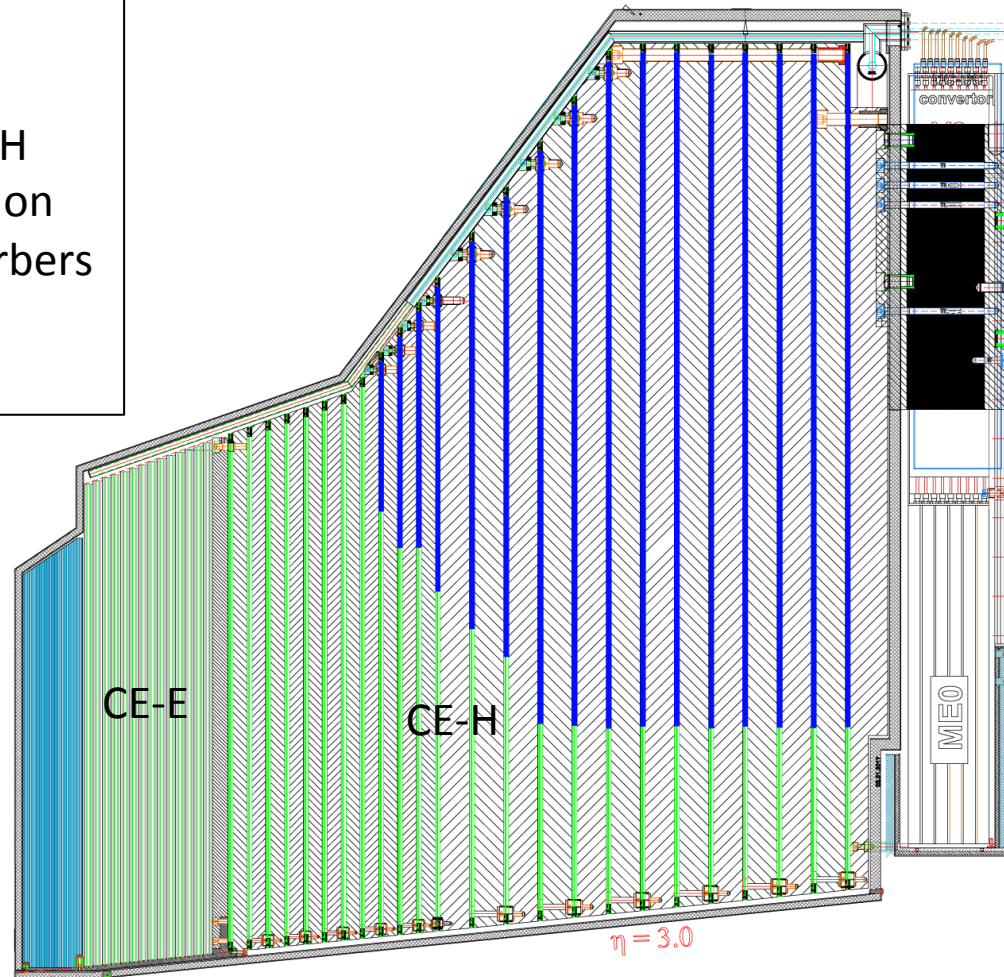


Active Elements:

- Hexagonal modules based on Si sensors in CE-E and high-radiation regions of CE-H
- “Cassettes”: multiple modules mounted on cooling plates with electronics and absorbers
- Scintillating tiles with SiPM readout in low-radiation regions of CE-H

Key Parameters:

- EC covers $1.5 < \eta < 3.0$
- Full system maintained at -30°C
- $\sim 600\text{m}^2$ of silicon sensors
- $\sim 500\text{m}^2$ of scintillators
- 6M si channels, 0.5 or 1 cm^2 cell size
- ~ 22000 si modules
- Power at end of HL-LHC: $\sim 60\text{ kW}$ per endcap



Electromagnetic calorimeter (CE-E): **Si**, Cu & CuW & Pb absorbers, 28 layers, $25 X_0$ & $\sim 1.3\lambda$
Hadronic calorimeter (CE-H): **Si** & **scintillator**, steel absorbers, 24 layers, $\sim 8.5\lambda$