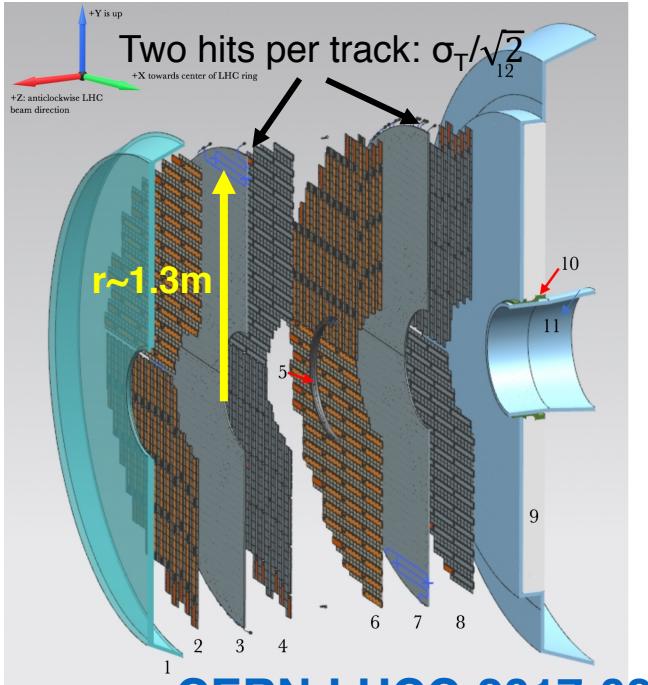


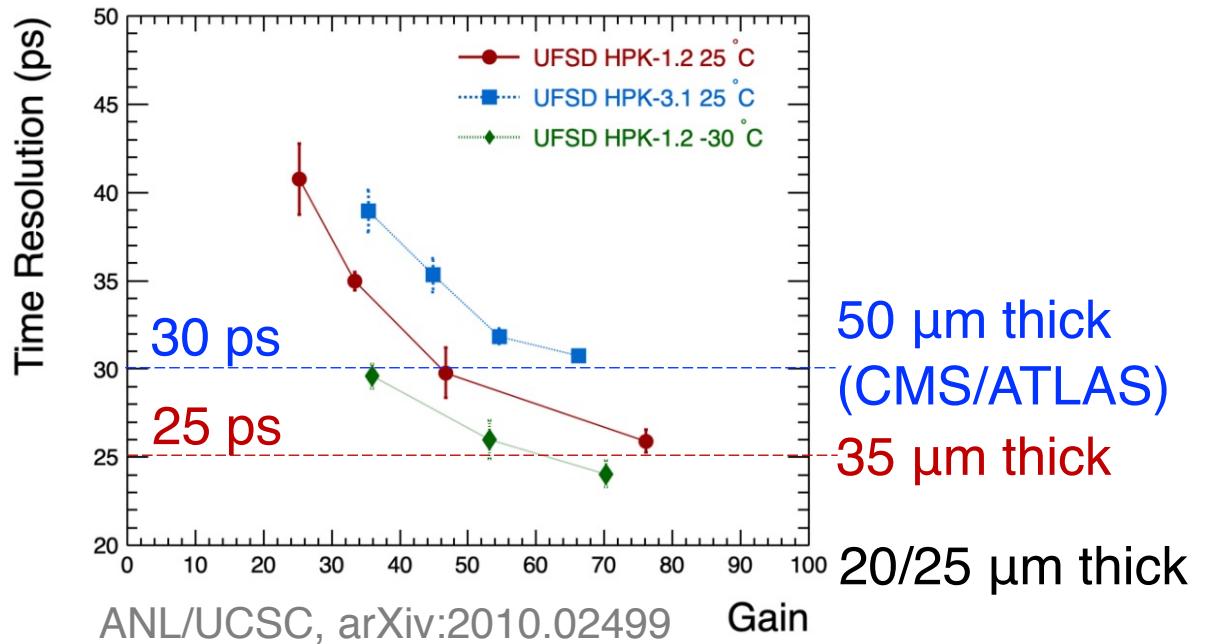
CMS ETL



- Radiation-hard: $\sim 2 \times 10^{15} n_{eq}/cm^2$
- Magnetic field tolerant: 4 T
- Compact for integration: 2-3 cm/layer
- High DAQ rate
- Available design for endcap to be adopted

AC-LGADs

R&Ds needed



$\sigma_T \leq 20 \text{ ps}$ with 20-25 μm sensors within the reach according to simulations but to be verified (eRD112) soon.

Many generic R&Ds showing position resolution to ~ 3 microns. Targeted R&Ds to find optimal pixelization, balancing # of channels