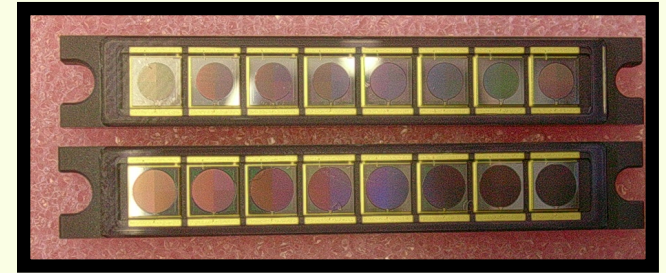




Parameters of the Preproduction SiPMs for CMS Phase I upgrade

We developed a custom SiPM array (HPK and KETEK)
for CMS HCAL Scintillator sampling detector
The detector will need $\sim 1000 \times 8$ channels arrays

We present:
Results of the PreProduction Series of 175 arrays



Very fast recovery time (8ns)
Custom Optimized R_q and R_s



Very good PDE with 15 micron cells
with use of transparent metal film resistor

