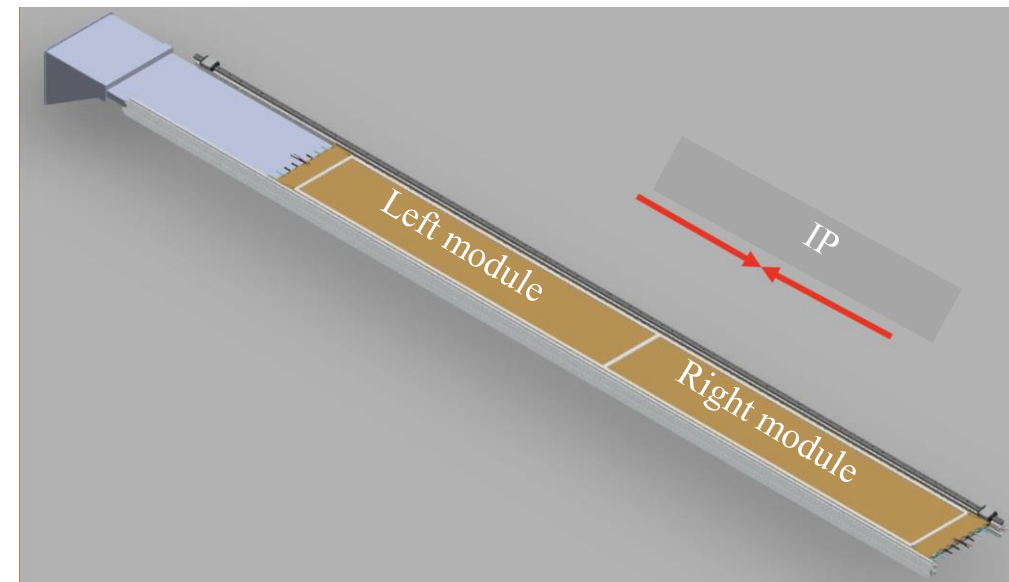
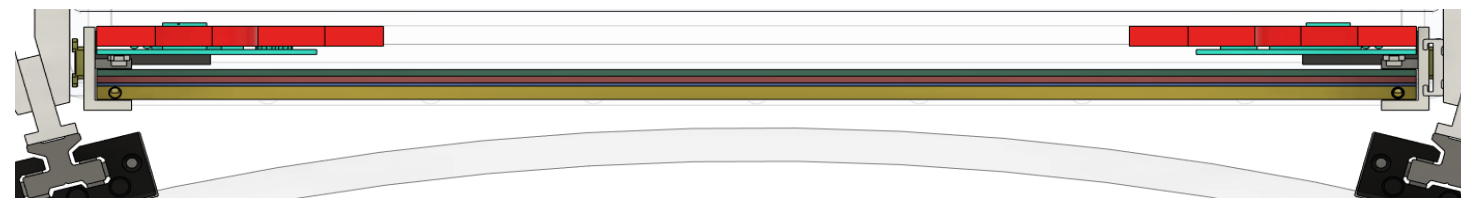
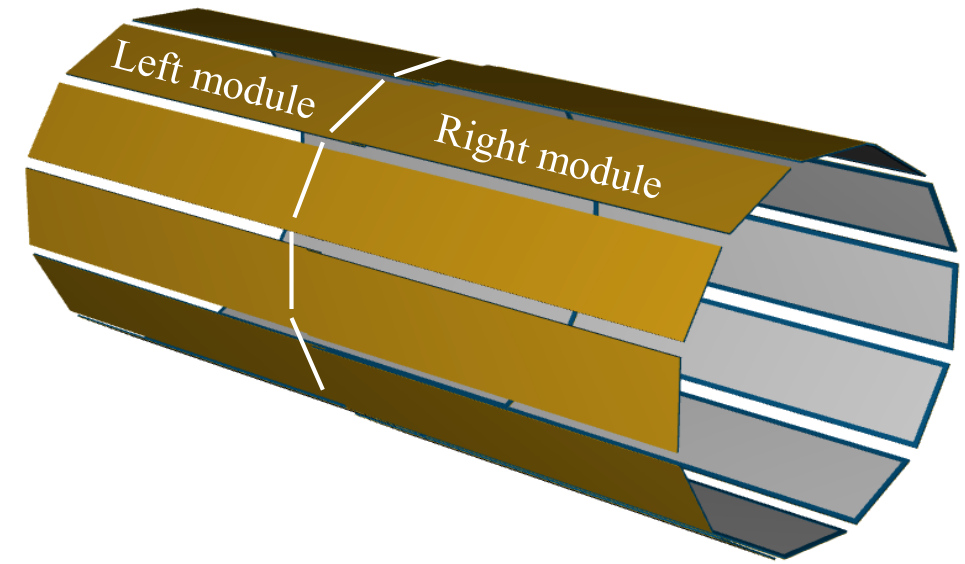
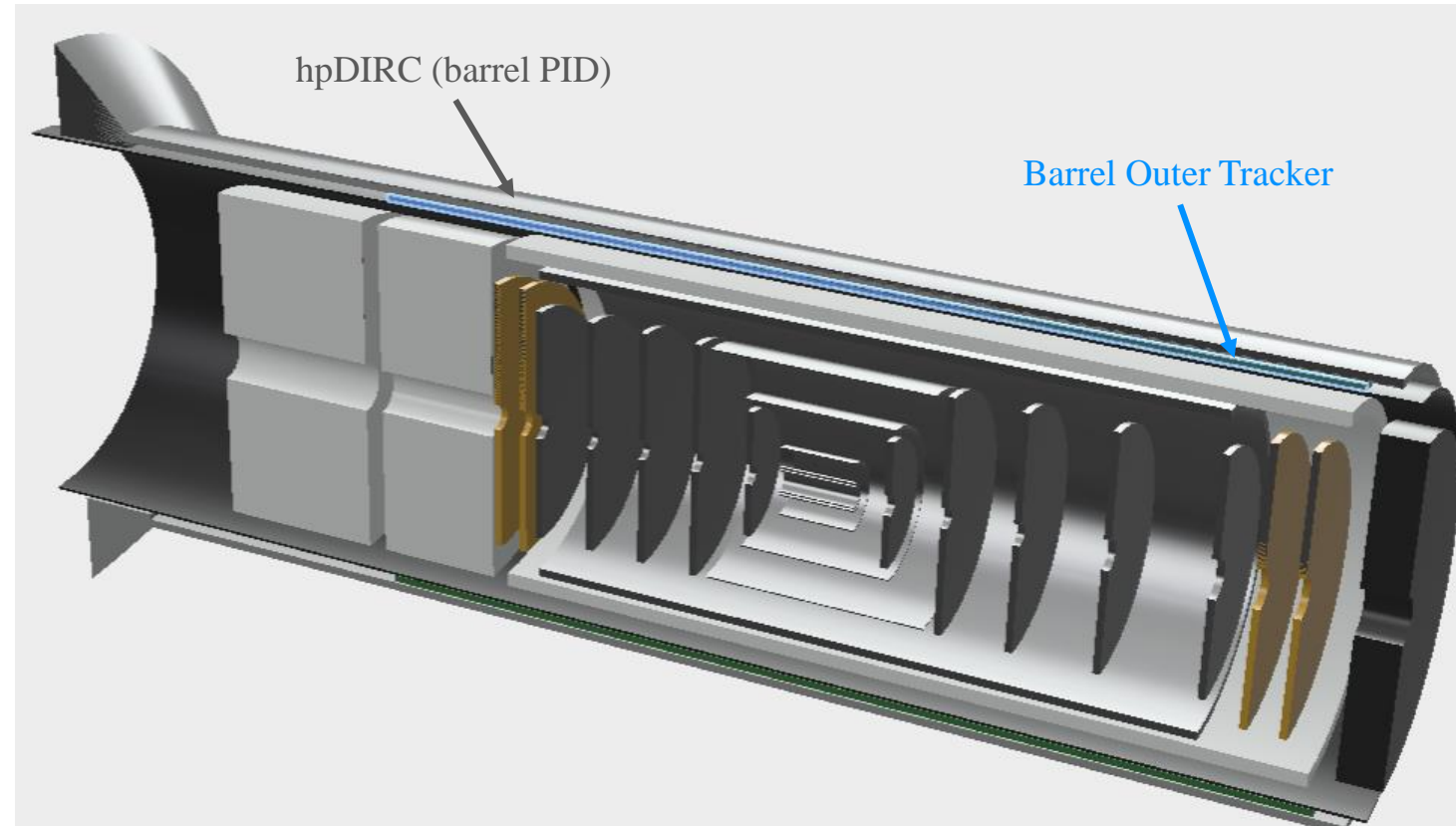


MPGD-DSC - μ RWELL-BOT bi-weekly

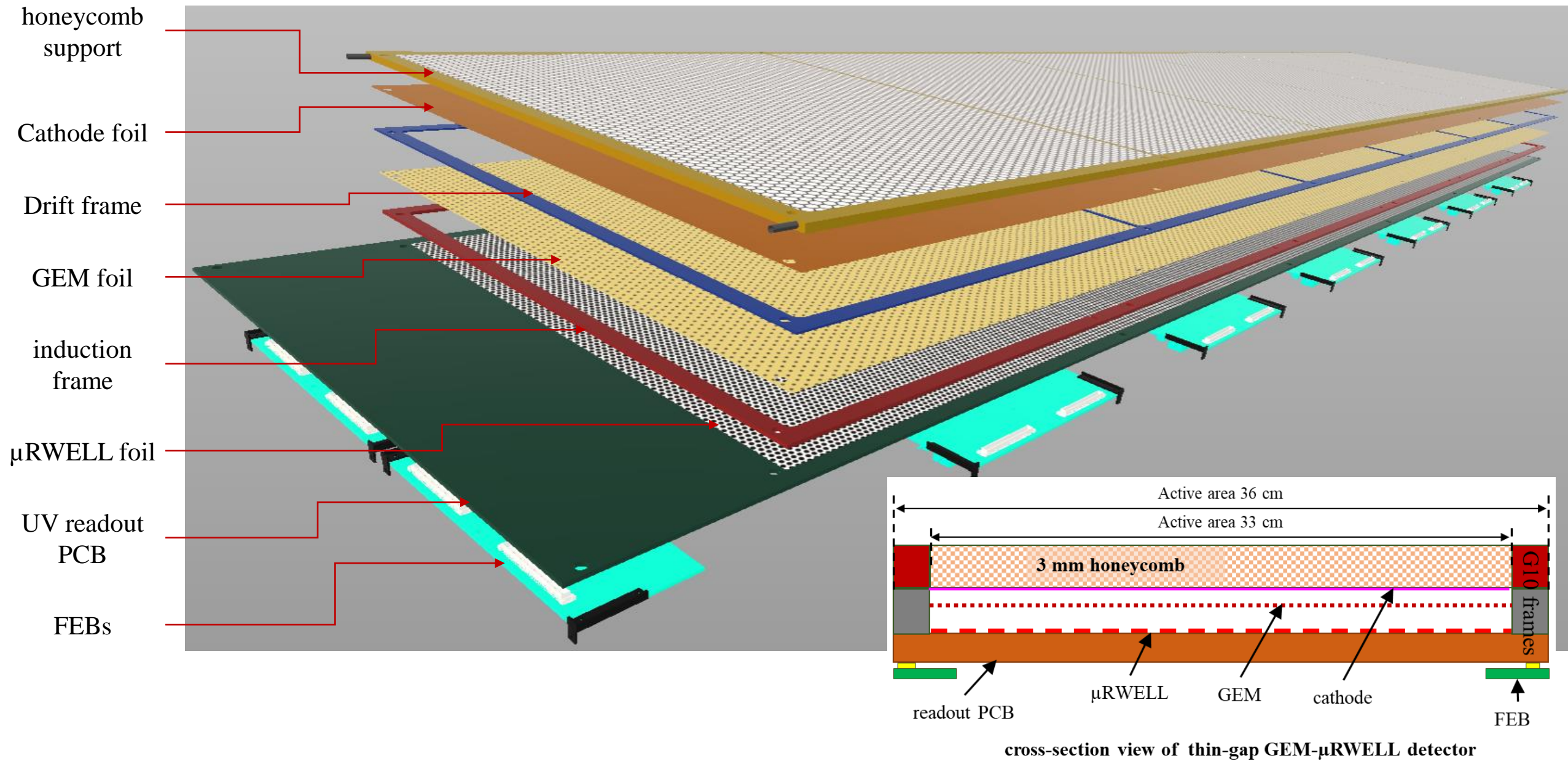
Update on PED Test Article design

Kondo Gnanvo – Sept. 19, 2024

The ePIC Barrel Outer Tracker (μ RWELL-BOT)



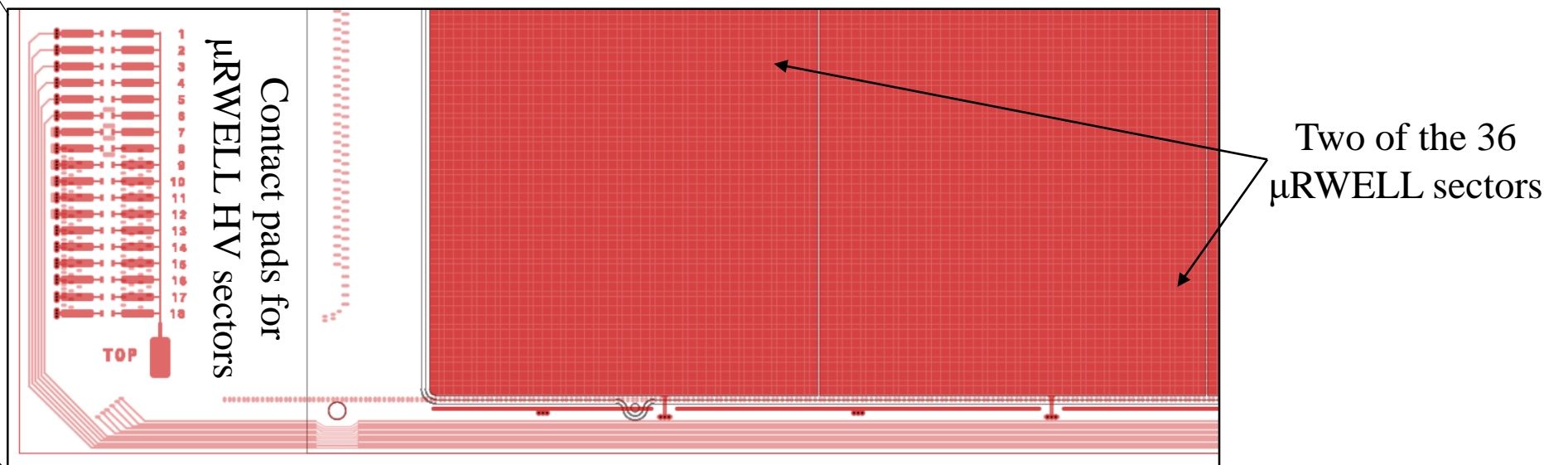
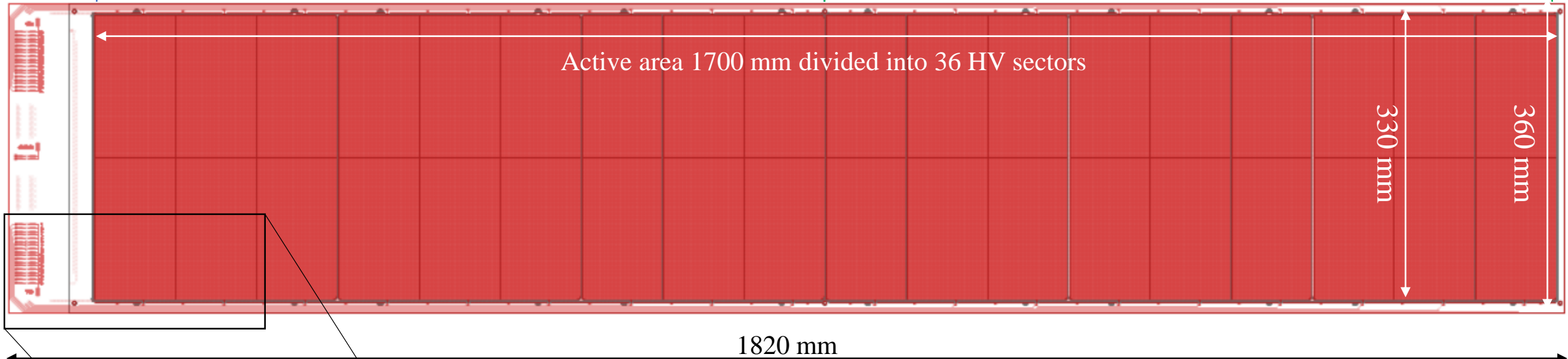
PED Test Article Module – Design Updates



PED Test Article Module – μ RWELL layer design

Normal segmentation

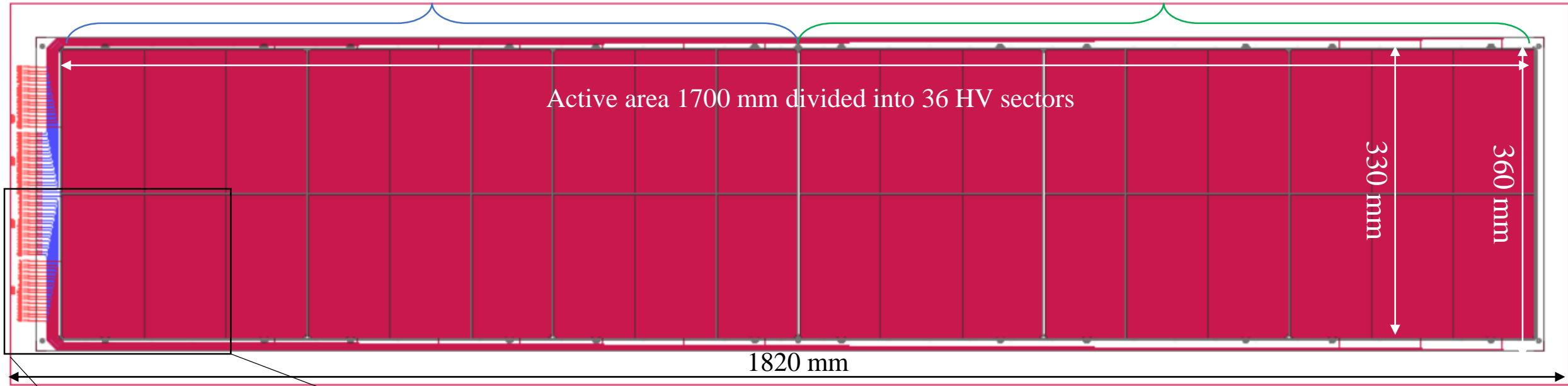
Random segmentation



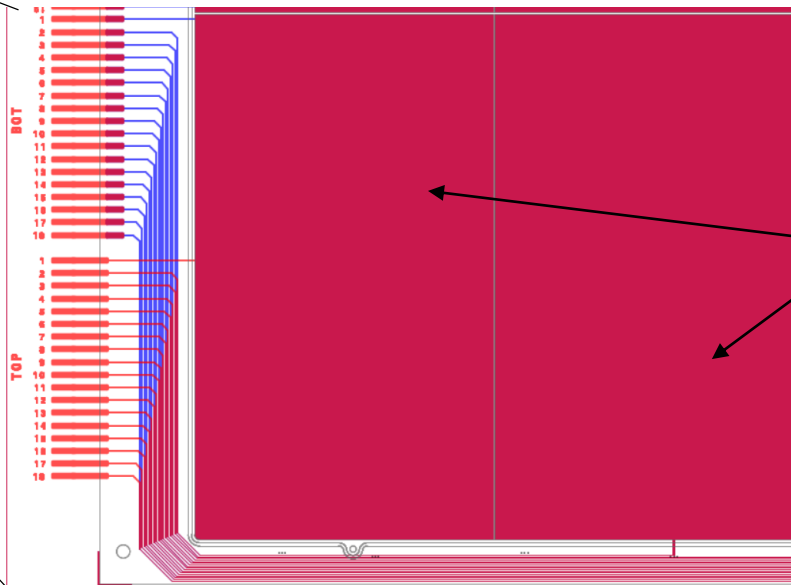
PED Test Article Module – GEM foil design

Normal segmentation

Random segmentation



GEM HV sectors electrodes
top sectors, bottom sectors

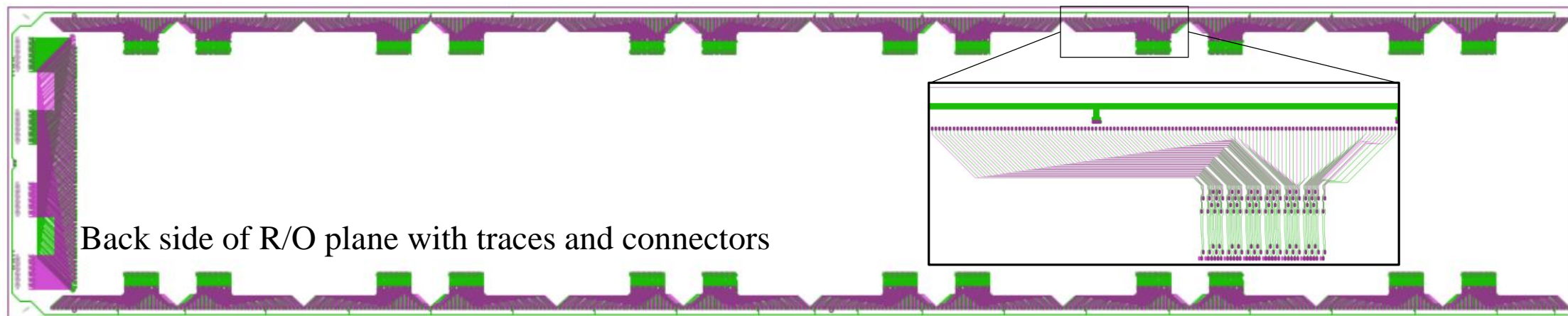
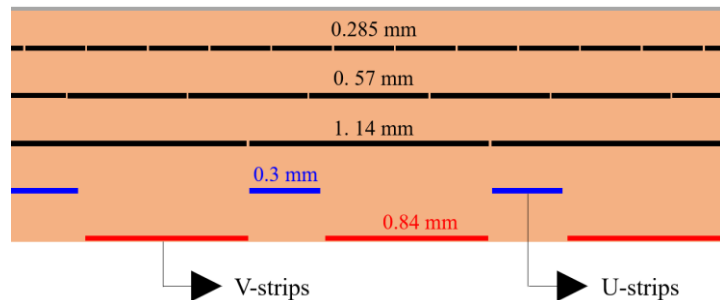


Two of the 36
GEM HV sectors

PED Test Article Module – Capacitive-sharing U-V strip design



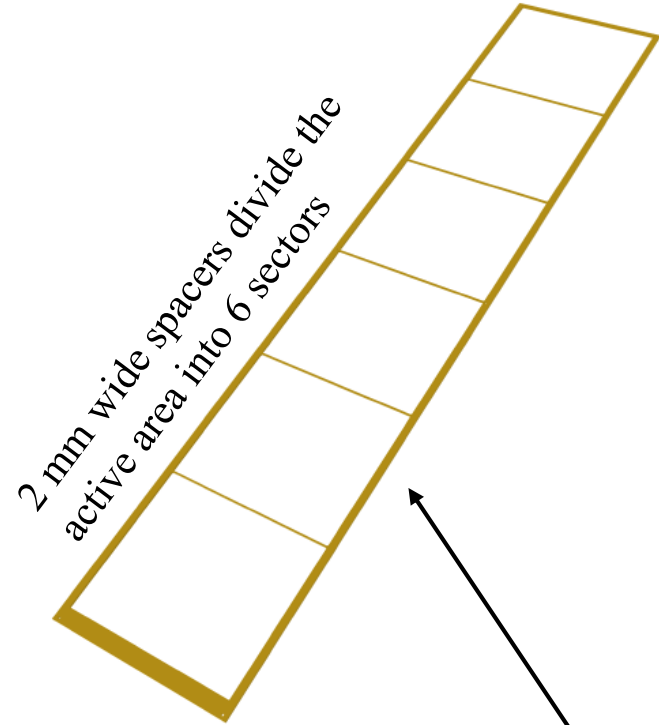
3-layers capaSh U/V strip readout



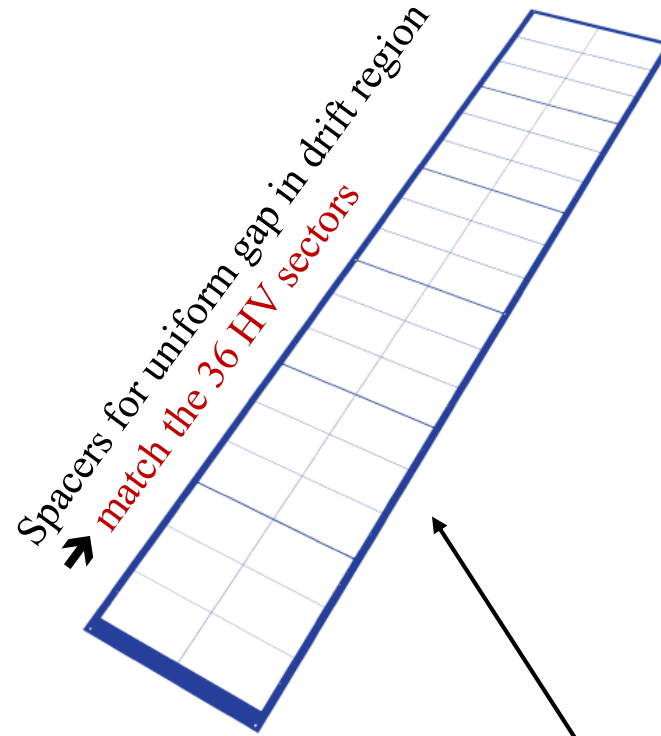
Back side of R/O plane with traces and connectors

PED Test Article Module – Support frames foil design

Honeycomb support: Top frame



GEM top support: Drift Frame



GEM bottom support: Induction Frame

