

Flex PCB R&D

- LFHCAL Flexes assembled by vendor, will be included in CERN HGCROC Test campaign
 - Not yet tested, on their way back
- First barrel TOF mechanics test structures produced at Purdue
 - Next step: co-cure Kapton flex into 12" carbon fiber structure, bond sensors and Si-heaters onto structure
- Designing test flex for co-curing:
 - LV, HV, maybe some temperature sensors
 - 2 layers first, multi layer for exploration later
 - Produce in different stackups to test mechanical stability and precision (12" within reach of all standard manufacturers)
 - Ideally produced with peel-off kapton film on top to keep ENIG pads clean from resins etc.

