

TOF Fiber Routing

- **Note:** FELIX-155 is expected to have 4x 12TX+12RX Firefly with MTP-24 connector each (for a total of 48 channels/lanes)
- **FTOF:** 1 IpGBT per RDO \Rightarrow 1 TX fiber & 1 RX fiber in 1 MTP-12 VTRX fiber connector with its very short pigtail
 - we need to passively patch 12 VTRX MTP-12 connectors into 1 MTP-24 on DAM
- **BTOF:** 4 IpGBT per RDO \Rightarrow 4 TX fibers & 1 RX fiber in 1 MTP-12 VTRX fiber connector with its very short pigtail
 - we need to passively patch 3 VTRX MTP-12 connectors into 1 MTP-24 on DAM
- The patch panels should be on the detector \Rightarrow more practical & compact
- Patch fiber topology should maintain RDO proximity and other practical geometries \Rightarrow possibly slightly increasing the FELIX count?

On Detector

DAQ Room

