

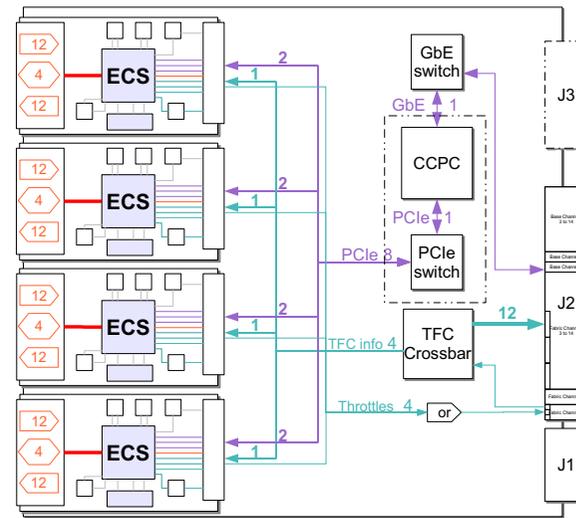
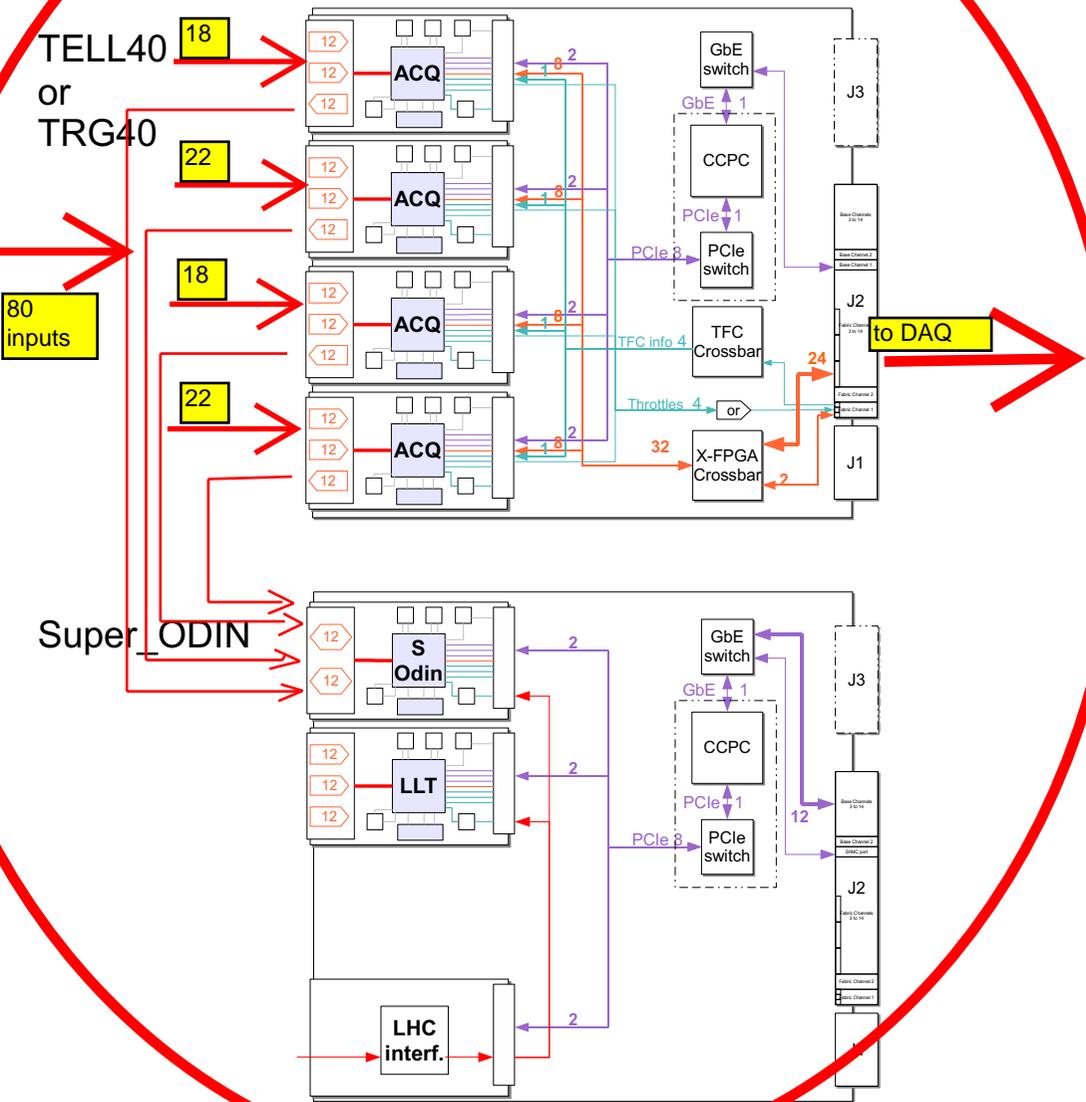
Figure 4: Interaction trigger system

How to realise this part....

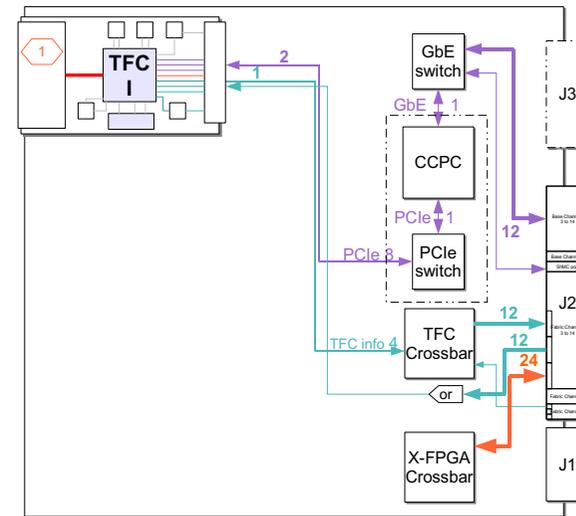
ATCA + AMC → 5 Configurations

18 HCAL High Granularity by side (A or C)
 22 HCAL middle and low granularity by side

trigger HCAL

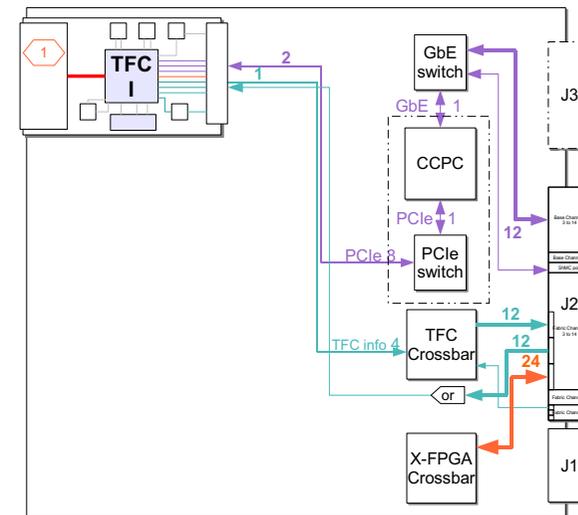
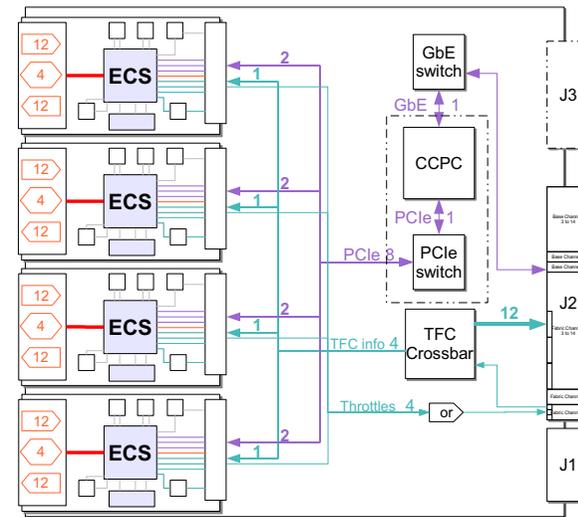
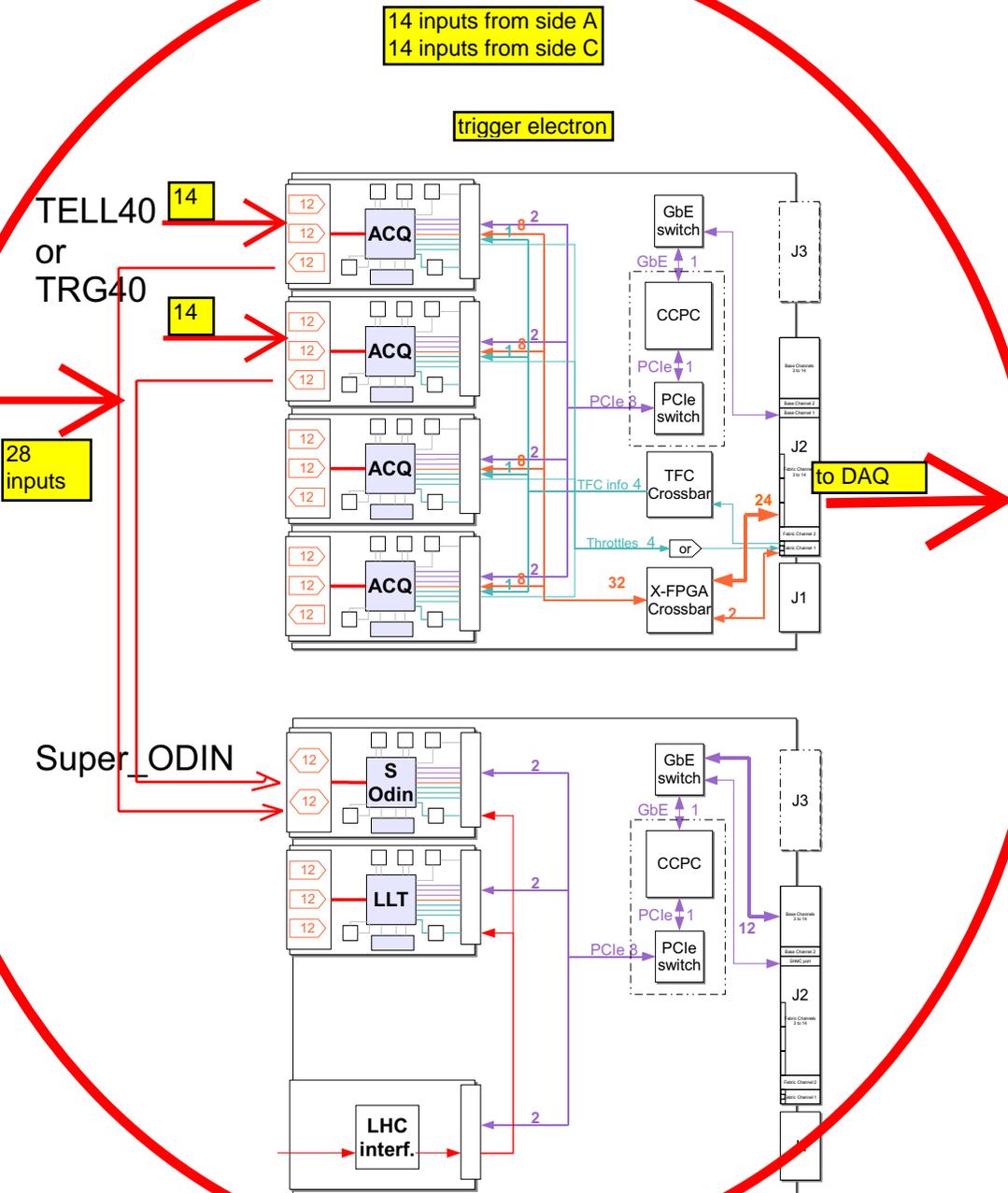


ECS40

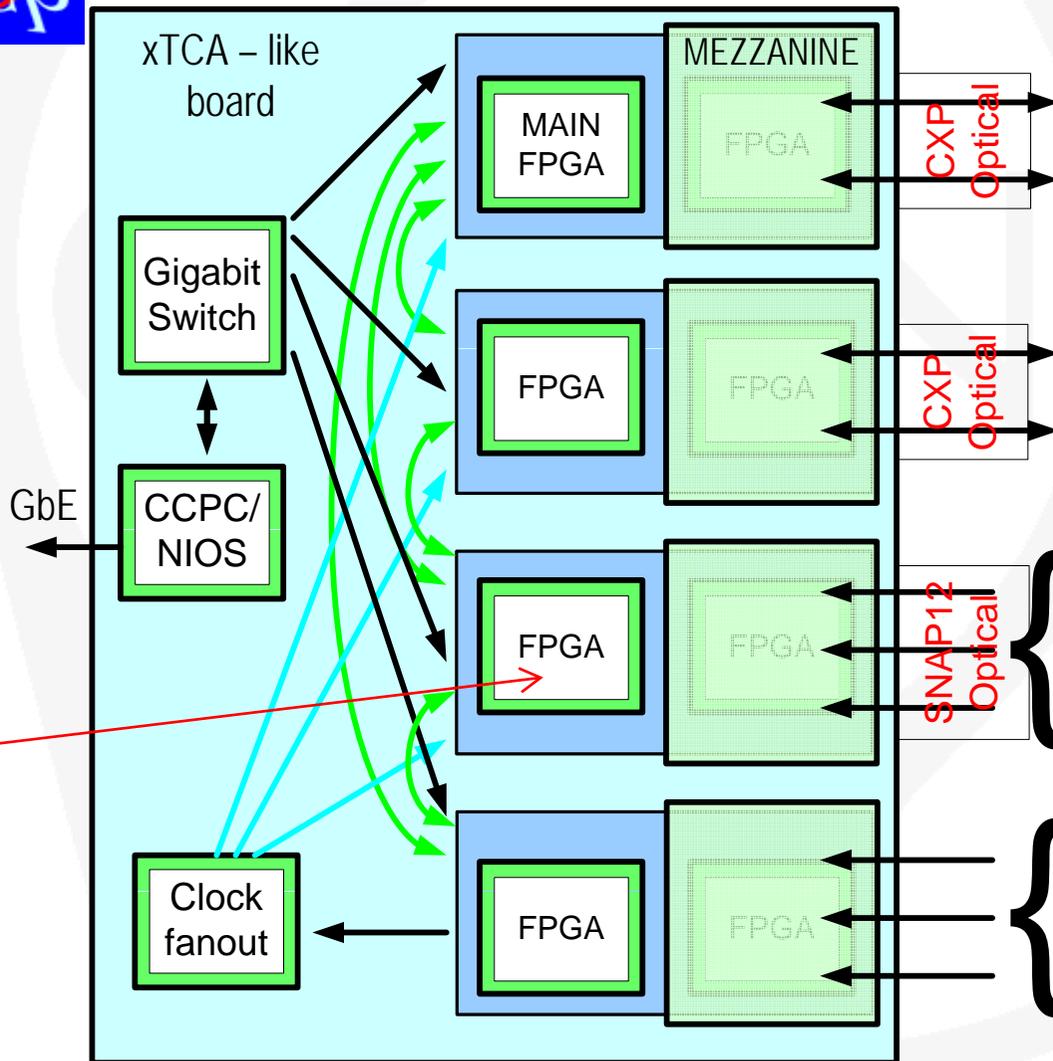


TFC_Interface

ATCA + AMC → 5 Configurations



S-ODIN Implementation



24 Links (5GbE)
 Bidirectional
 TFC + Throttle
 Main FPGA

10 GbE
 Bidirectional
 To/From FARM

INPUTS TRIGGER by CALORIMETER:

Interaction Trigger

4 input HCAL
 2 input electron

replace actual L0DU function

Fibre ribbon break-outs needed