COTS network switch

N x GBT links per FELIX @ 3.2Gb/s ea

Optionally, different IP ports in same HW module

TTC

DCS

FE CFG

ROD

ROD

ROD

COTS network switch

routes data by IPaddr:port = logical stream

40Gb/s

40Gb/s

40Gb/s

GBT E-links per function, per FE chip

GBT

GBT

GBT

GBT

N x GBT links per FELIX @ 3.2Gb/s ea

LL_GBT2LAN_V4

Routing map:
GBT id, E-link id → IPaddr:port

BUSY

BUSY

BUSY

...