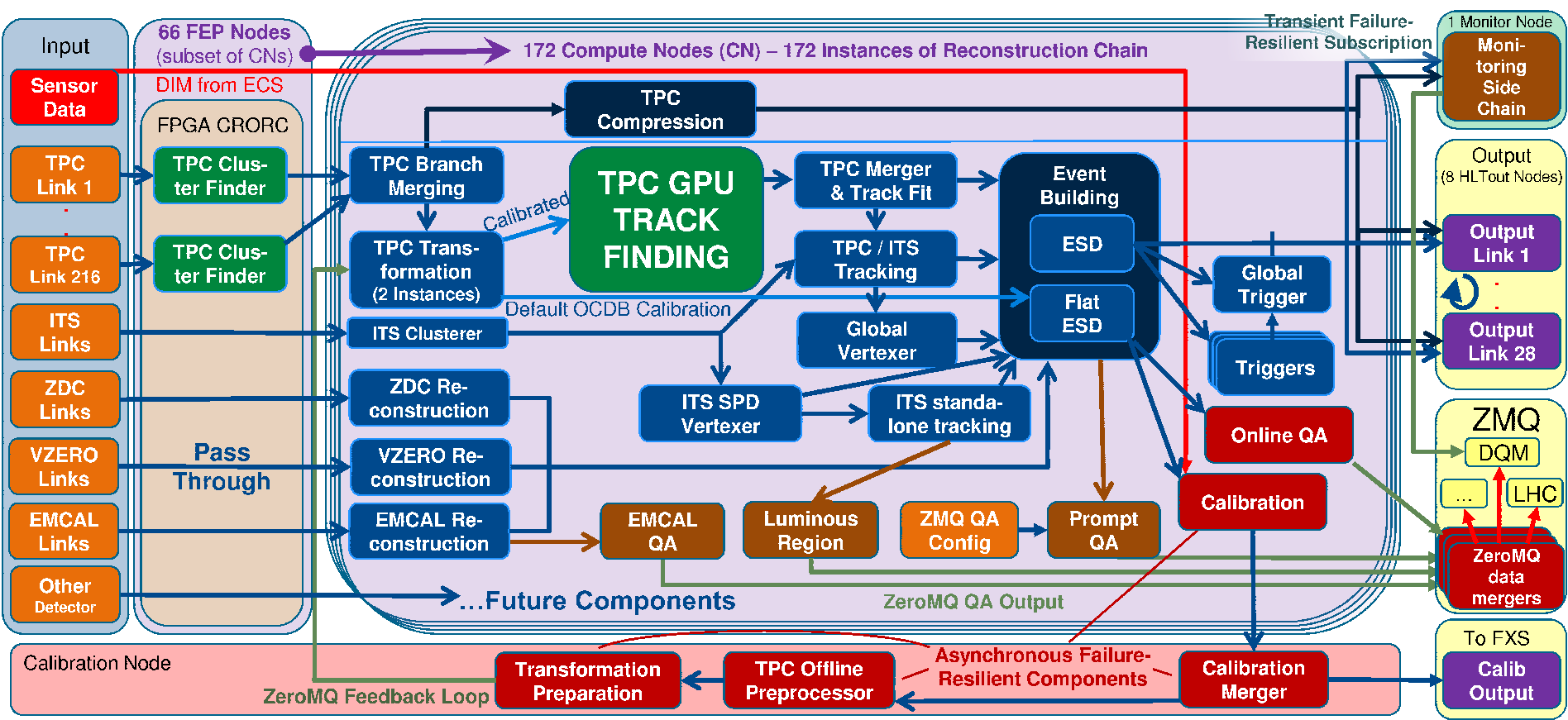
Input
Sensor Data
TPC Link 1
TPC Link 216
ITS Links
ZDC Links
VZERO Links
EMCAL Links
Other Detector
66 FEP Nodes (subset of CNs)
DIM from ECS
FPGA CRORC
TPC Cluster Finder
TPC Cluster Finder
Pass Through
172 Compute Nodes (CN) – 172 Instances of Reconstruction Chain
TPC Compression
TPC Branch Merging
TPC Transformation (2 Instances)
Calibrated
Default OCDB Calibration
TPC GPU TRACK FINDING
ITS Clusterer
ZDC Reconstruction
VZERO Reconstruction
EMCAL Reconstruction
TPC Merger & Track Fit
TPC / ITS Tracking
Global Vertexer
ITS SPD Vertexer
ITS standalone tracking
Event Building
ESD
Flat ESD
Global Trigger
Triggers
Online QA
Calibration
EMCAL QA
Luminous Region
ZMQ QA Config
Prompt QA
...Future Components
ZeroMQ QA Output
Transient Failure-Resilient Subscription
1 Monitor Node
Monitoring Side Chain
Output (8 HLTout Nodes)
Output Link 1
Output Link 28
ZMQ
DQM
...
LHC
ZeroMQ data mergers
Calibration Node
Transformation Preparation
TPC Offline Preprocessor
Asynchronous Failure-Resilient Components
Calibration Merger
ZeroMQ Feedback Loop
To FXS
Calib Output