

Front-end  
Data

## PCIe40 Firmware

Timing & Fast  
Control

Slow Control/  
Monitoring

Low-Level  
Interface

VELO LLI

GWT  
Descrambling

GWT  
Decoding

BXID  
Router

TFC  
Processing

SuperPixel  
Isolation

Event ID

MEP  
Processing

Event builder/  
Trigger farm