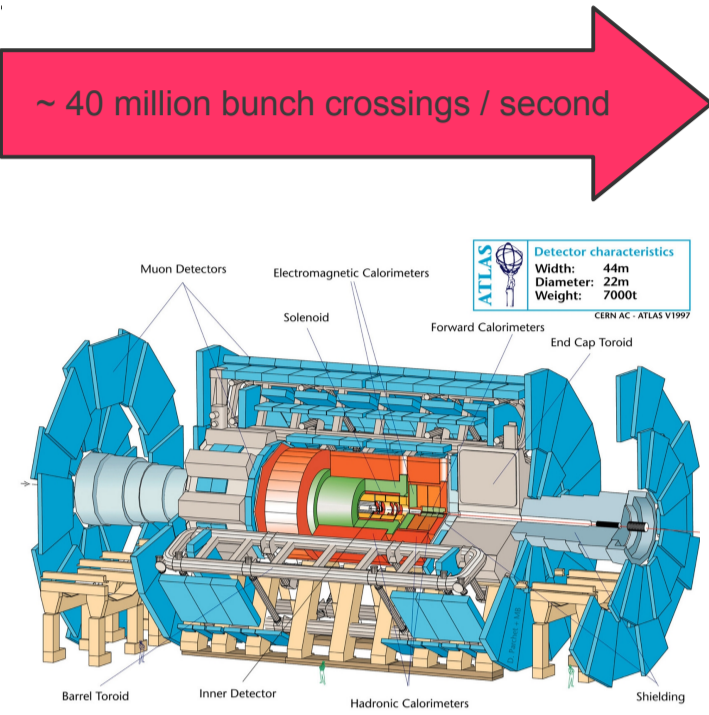


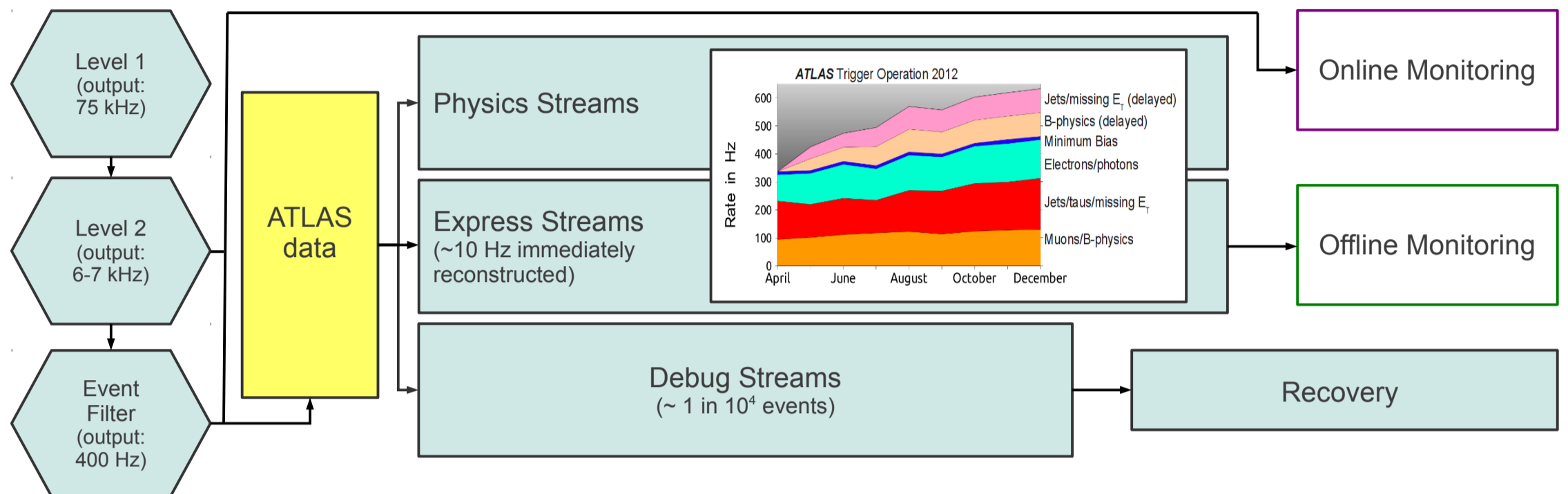
ATLAS Trigger Monitoring in 2012

The ATLAS data acquisition and trigger system is designed to reduce the LHC bunch crossing rate from 40 MHz to an output rate of a few hundred Hz to disk. The online and offline monitoring procedures ensure successful data-taking. The online monitoring infrastructure allows experts in the control room to monitor data during operation, so that they can identify and then respond to any defects in data quality or algorithm performance. After data-taking is complete, a subset of recorded events are quickly processed and select histograms are displayed in the offline monitoring framework for review by the trigger experts.

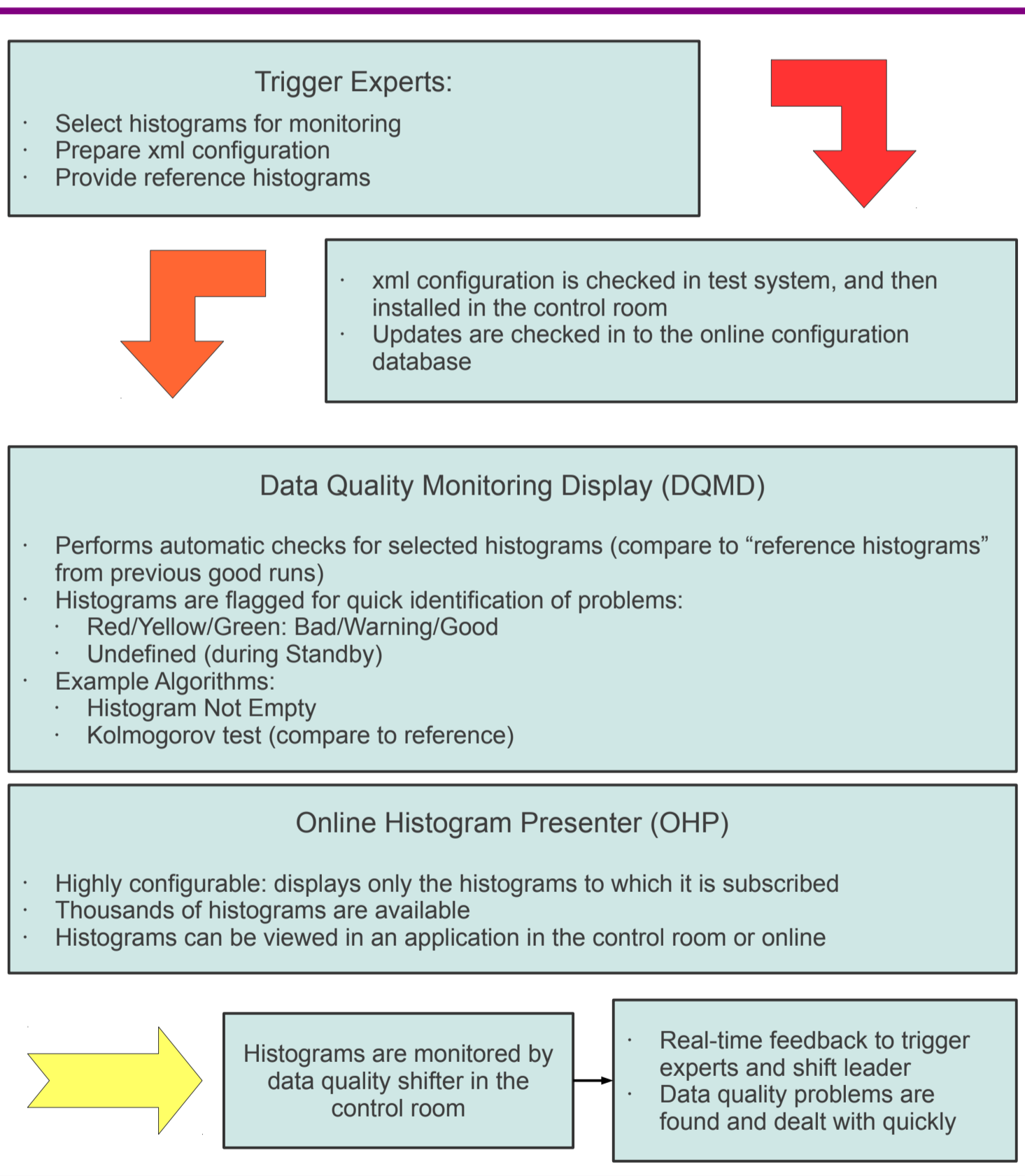
The ATLAS Detector



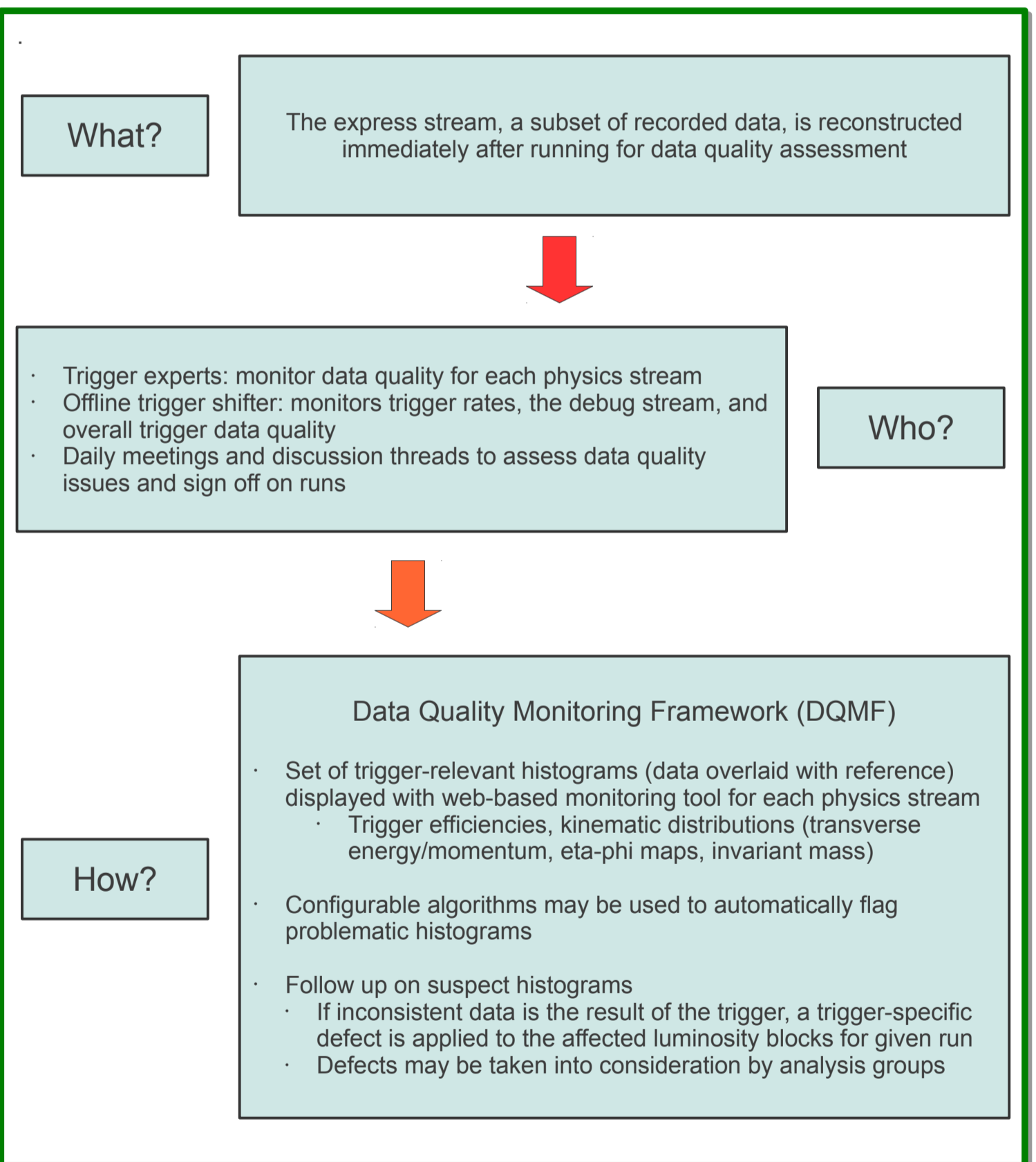
The ATLAS Trigger System



Online Monitoring



Offline Monitoring



Reprocessing / Debug Stream

