

The LHCb Turbo Stream

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Trigger streams in Run-II

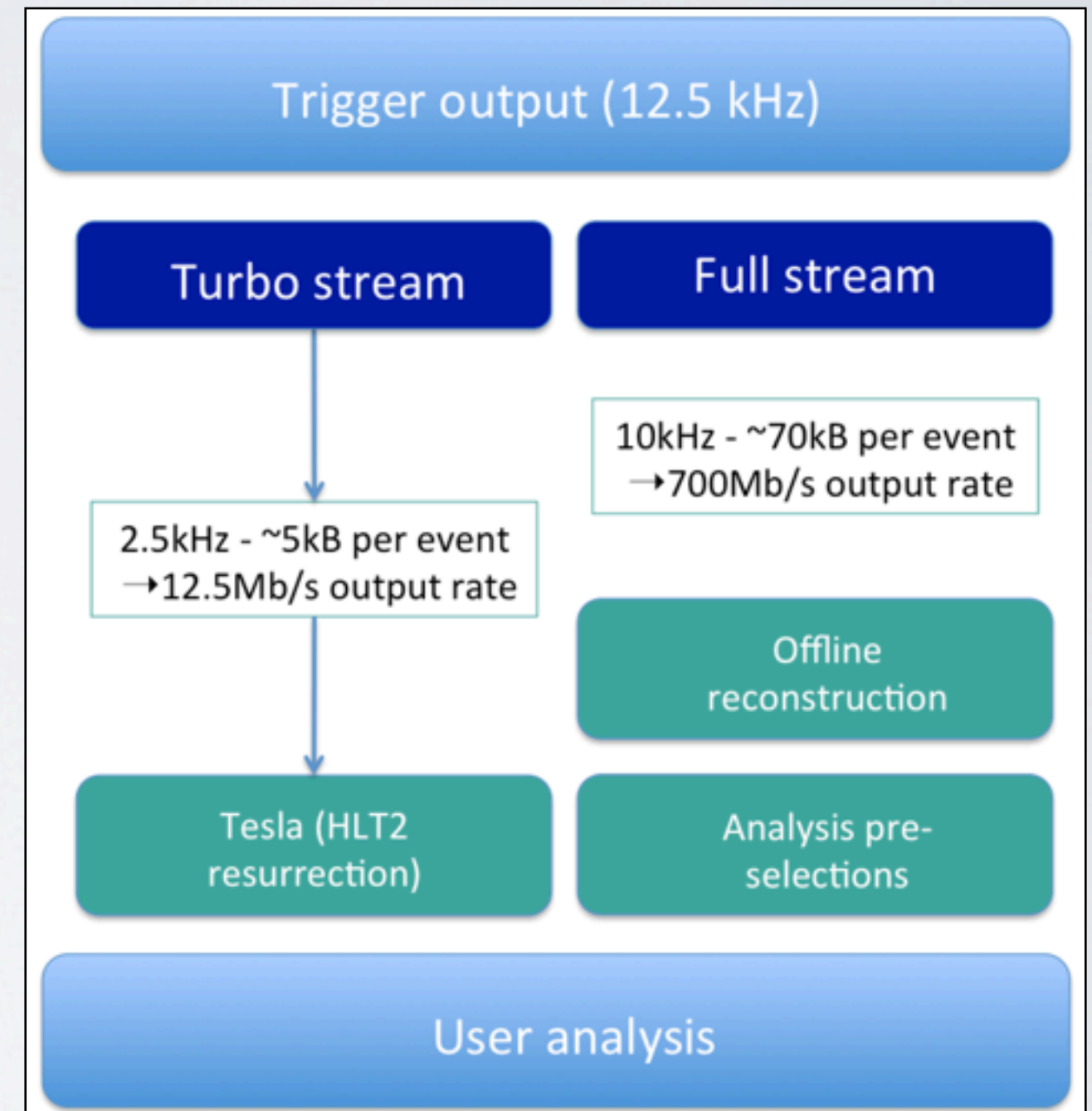
Larger HLT2 rate, which means larger offline storage requirements

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Online reconstruction is going to be almost the same as offline

Perform analysis using trigger reconstruction!

- The Turbo stream is designed to save part of the HLT2 bandwidth in a special format, discarding the raw event, that allows bypassing offline reconstruction and directly perform analysis



Trigger reconstruction persistence

- The Tesla application is designed to perform the tasks needed to be able to use analyse data saved in the Turbo stream (only with trigger reconstruction) as if it were regular data.
- A special pattern is required to save full decay chains, including their topology
 - Make use of special event summaries

