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Toward HL-LHC: strategies for DAQ and track triggers

The readout of pixel detectors at HL-LHC and the use of extracted data in the context of a track trigger are one of the big challenges for the next generation of trackers due to the enormous data volume produced and to the high trigger rate. In this talk, I will analyze the solutions that ATLAS and CMS are exploring. I will also show how new detector and data transmission technologies could, in a not too distant future, open new possibilities for the use of pixel detectors in data filtering.

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