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Level 1 Track Finder at CMS

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The High Luminosity upgraded LHC is expected to deliver proton-proton collisions per 25 ns with an estimated 140-200 pile up interactions per bunch crossing. Ultrafast track finding is vital for handling L1 trigger rates in such conditions. An FPGA-based track trigger system, capable of finding tracks with momenta above 2 GeV is presented.

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