

Abstract Submitted
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Construction and Commissioning of the LHCb Upstream Tracker¹ SCOTT ELY, Syracuse University, LHCb COLLABORATION — The Upstream Tracker (UT) for the LHCb upgrade for Run III of the LHC is currently being constructed. The UT, which sits just upstream of the dipole magnets, will enable a fast determination of track momentum. Thus, slow tracks will not need to be subjected to the downstream tracking. This will allow for a factor of three speed up of the fully software trigger. Modules consisting of a silicon sensor, hybrid flex-circuit, and SALT ASIC are being fabricated at INFN Milano and at Syracuse University. After testing electronically for quality assurance, completed modules are then mounted on to supporting staves, also built at Syracuse. Finally, the fully populated staves are shipped to CERN to be installed and commissioned for the experiment. This talk will give an overview of the construction and commissioning effort being carried out by the UT collaborating institutes.

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Scott Ely
Syracuse University

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