

Abstract Submitted
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The upgraded K-Long and Muon Detector at Belle II TAYLOR KIMMEL, Virginia Tech, BELLE II COLLABORATION — We describe the KLM (KLong-Muon) detector for the Belle II detector at the SuperKEKB accelerator located at KEK in Tsukuba, Japan. The endcap RPC (Resistive Plate Chamber) detectors used for Belle have been entirely replaced with a scintillator-based system readout out with Si PMTs. The inner two layers of the barrel have also been replaced, while the outer thirteen layers remain instrumented with RPCs. The design of the detectors, their readout, and expected physics performance will be discussed.

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