The NOvA Data Driven Trigger

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The NOvA experiment is a long-baseline neutrino experiment utilizing an intense off-axis neutrino beam and two segmented liquid-scintillator-based detectors, a 300t near detector and a 14kt far detector located 810 km from the beam source. The NOvA experiment employs a data-driven trigger system to fully exploit the detectors during non-beam operation. We will present an overview of the NOvA trigger design and implementation, as well as data-driven trigger algorithms currently being used for calibration and a non-beam physics program.

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