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The imaging-Time-of-Propagation detector for particle identification in the Belle II experiment[1] AMAN SANGAL, SAURABH SANDILYA, ALAN SCHWARTZ, University of Cincinnati, BELLE II COLLABORATION — The imaging Time-of-Propagation (iTOP) detector is a novel Cherenkov-based detector developed for particle identification in the central region of the Belle II experiment, which is an upgrade of the previous Belle experiment at KEK. Here we present a general overview of charged particle identification studies in Belle II, with a focus on the performance of the iTOP detector. The results presented are from the most recent data recorded and show reasonable agreement with expecations based on simulation studies.

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