

Update from milliQan

Friday, 28 May 2021 18:15 (15 minutes)

We report an update on plans for milliQan in Run 3 (<https://arxiv.org/abs/2104.07151>). Having secured the necessary funding, we plan to construct two detectors, including a novel slab detector configuration, for the LHC Run 3. The dataset provided by a prototype scintillator-based detector has been used to characterise the performance of these detectors and provide an accurate background projection. We are also exploring the possibility to move the Run 2 milliQan prototype to the FASER location to test the feasibility of a forward millicharged detector. If successful, a larger scintillator detector can be placed in the FPF (FORMOSA).

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Session Classification: Parallel Session: BSM Physics Ideas