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Time structure of the DESY II test beam

The three beam lines of the DESY II Test Beam Facility provide electrons with a selectable momentum of 1-6 GeV/c and are widely used in the R&D community of HEP. In 2019/20, it will be even more in the focus due to the shutdown of LHC which means that there will be also no test beam available delivered by PS and SPS at CERN. Thus, an understanding of the time structure of the beam can help in order to make the best usage of the beam time. We show recent results on characterization measurements on the time structure and explain its convolution.

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