

11th Beam Telescopes and Test Beams Workshop



Contribution ID: 51

Type: **Tutorial**

Making the most out of your test beam time

Tuesday, 18 April 2023 14:30 (4h 30m)

The infrastructure at the DESY II test beam facility allows for highly efficient data taking if utilised correctly. The combination of the AIDA-2020 Trigger-Logic-Unit (TLU) and the beam telescopes enables highly flexible modes of data taking to easily accommodate different sensors. Data driven and triggered devices can be integrated with an minimal overhead.

We would like to take the chance of BTTB being hosted at DESY to carry out a “real testbeam campaign” condensed in a 4 hour tutorial. Starting with a brief introduction, we will quickly move to the testbeam areas and setup the telescope and the AIDA-TLU and investigate the impact different parameters on the data taking: How does triggering work? Which modes of triggering are existing? Which modes of integration do exist? How can we integrate sensors? If the time allows for it we will also study the impact of the momentum on the rate and the reconstruction/multiplicity.

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Session Classification: Hands-On Tutorial