

AIDA²⁰²⁰

Advanced European Infrastructures
for Detectors at Accelerators

Using AIDA common DAQ tools - Silicon Strip Tracker

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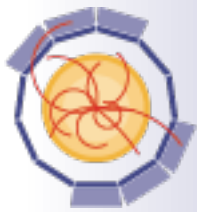
DESY

AIDA-2020 Final Annual meeting - WP5

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- EUDAQ2
 - Fully integrated in the EUDAQ2 Python interface
 - Also online monitor module user
 - Always up-to-date to EUDAQ master: last time was Q3/2019
- TLU: important key to synchronize with other devices @ TB
 - Synchronization done OFFLINE
 - Multi data steams
 - Shutter mode user:
 - a delayed E_min signal – a plus for power-cycle devices
 - 40MHz common clock user:
 - trigger recorded by Lycoris can be synced to TLU's triggers using timestamps – thus not necessary for a busy signal handshake
 - Experiences:
 - Our TLU recorded timestamps and the trigger ID has a shift of one
 - Latency of different HDMI is different (by comparing the trigger timestamps from Lycoris to TLU)
- Lycoris status: numerous combined beam tests with Mimosa + AIDA TLU, now in journal paper write-up phase.

