# PXD Permanent Set Up

cmarinas@uni-bonn.de
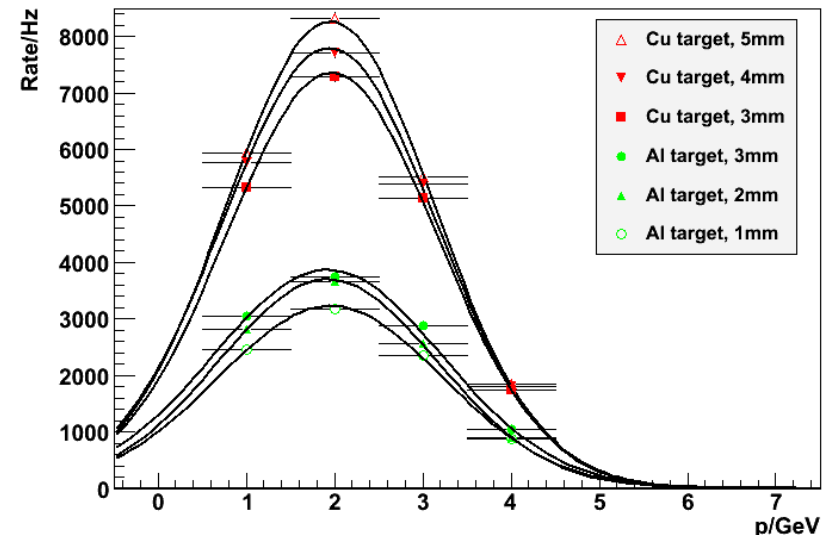
# DESY TB

- VXD common test beam in **December 2016** (3 weeks)

- Small sector of the final sensors and ASICs
        2 PXD + 4 SVD ladders

- Complete VXD readout chain: HLT, monitoring, event building, PocketDAQ

- $CO_2$ cooling, slow control, environmental sensors

- Illumination with (up to) 6 GeV e$^-$ under solenoid magnetic field (PCMAG)

- Alignment, tracking algorithms, ROI

■ **Goal**: **System integration and (step 2) in Phase 2 Commissioning**

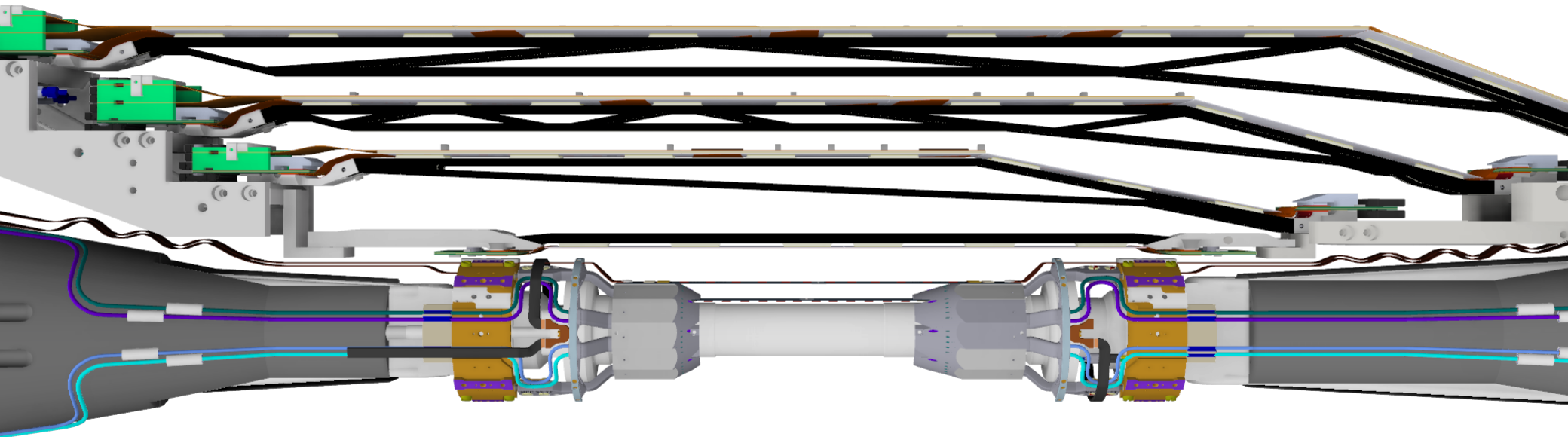# Important Dates

- August

    Slow control server and network infrastructure

- Week 26th September

    Driver to DESY with PXD modules, PS, DHH

- 4th October

    ALL experts and (tested!) equipment at DESY (ONSEN+BonnDAQ)

- Beginning November

    Two full ladders with the final set of ASICs

- Middle November

    FANGS, CLAWS, PLUME

- 5th to 23rd December

    Test beam in T24
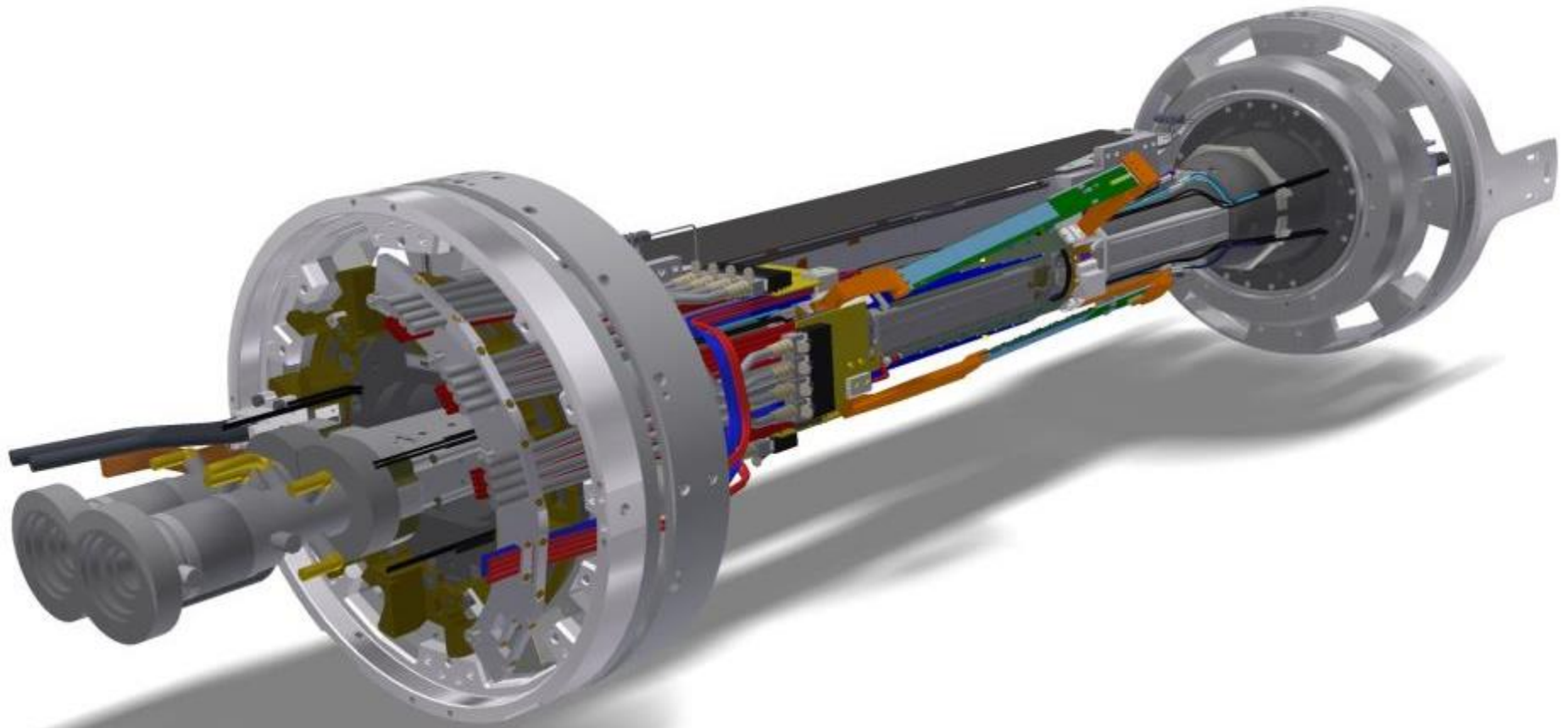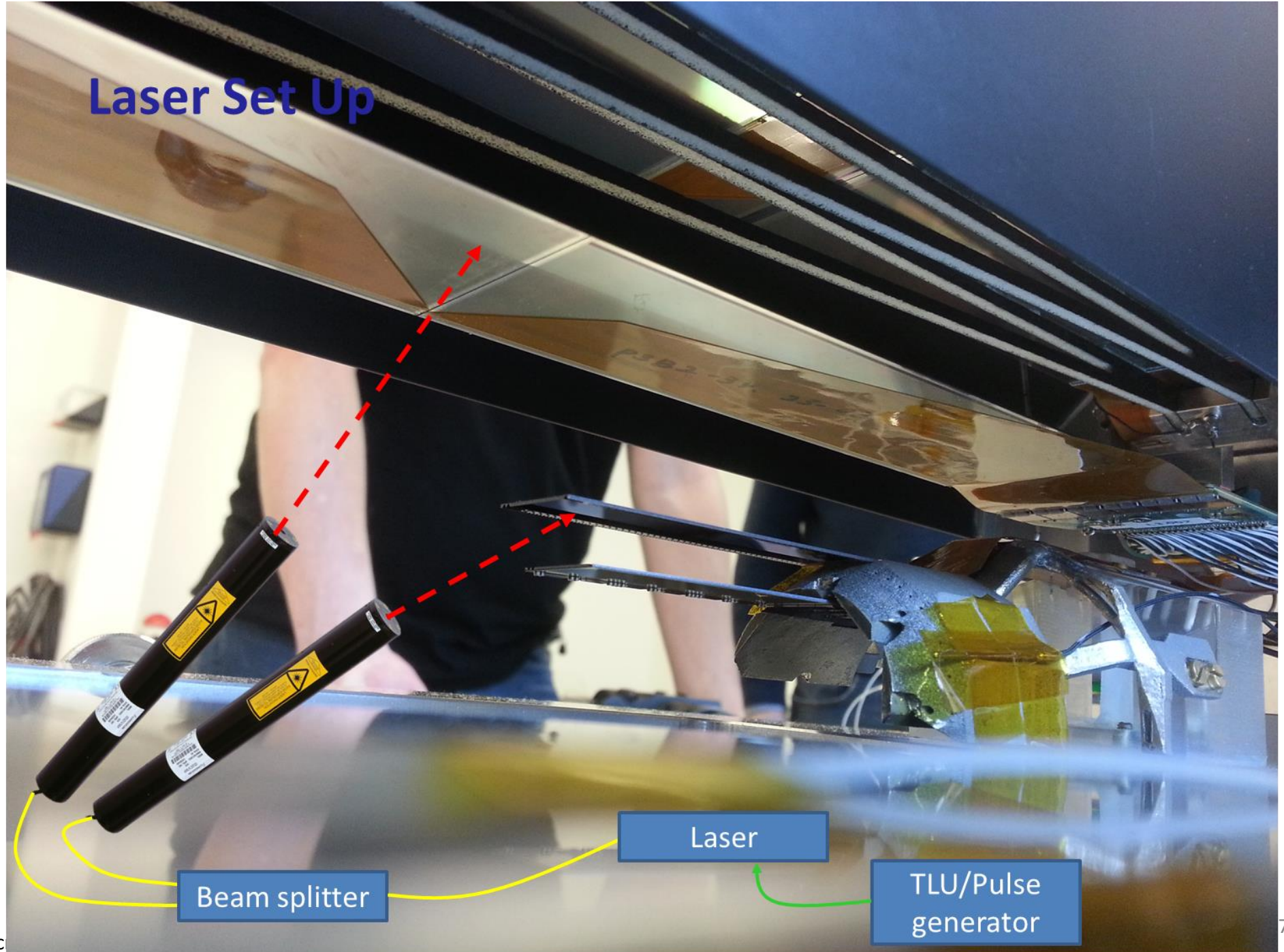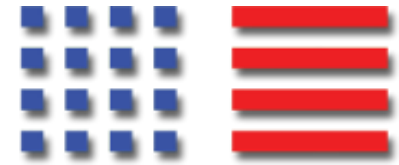
cmarinas@uni-bonn.de

- PXD**+SVD

cmarinas@uni-bonn.de

# Step 2

- PXD+SVD



+X

cmarinas@uni-bonn.de

# Step 3



- PXD+SVD+FANGS+CLAWS+PLUME

cmarinas@uni-bonn.de

Laser Set Up

Beam splitter

Laser

TLU/Pulse generator

# Thanks

cmarinas@uni-bonn.de