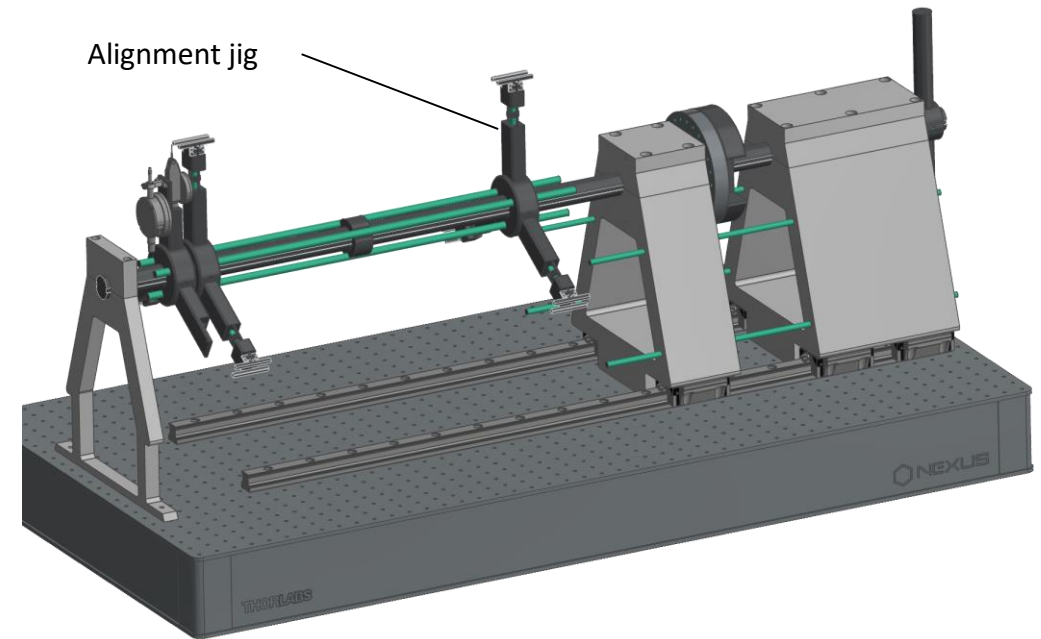
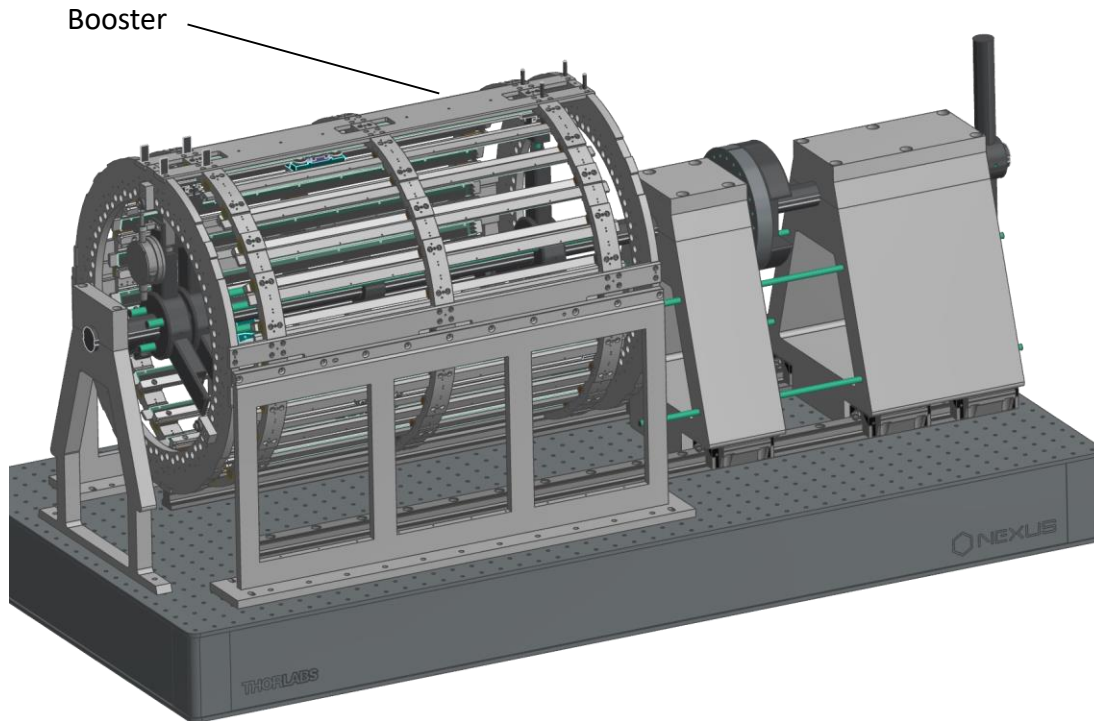


Booster alignment

Overview



Session 1: Visit Xiang Liu and Georg Obermüller of MPP Munich in June 25 to assemble rail installation jig

MADMAX Summer Collaboration Meeting
Georg Obermüller
July 3rd 2025

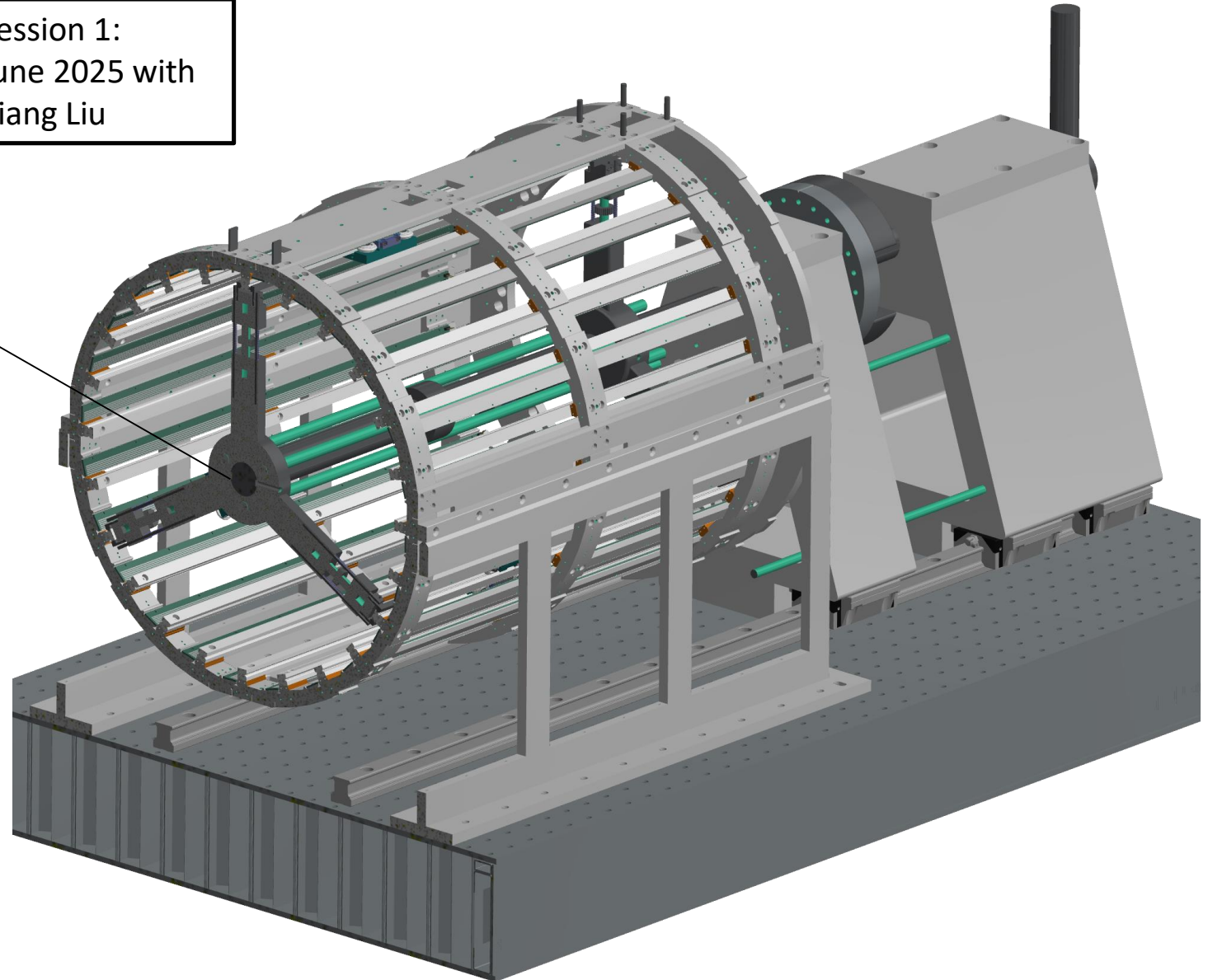
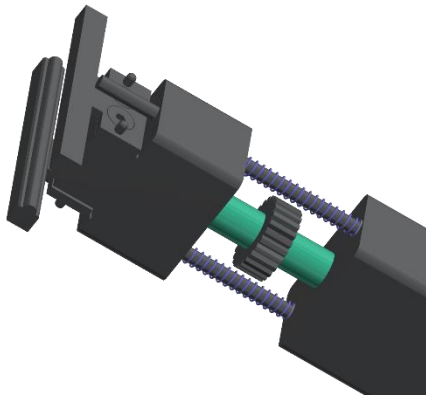
Booster alignment

2x „Star“:
positioning of ceramic
rails for one disc

Session 1:
June 2025 with
Xiang Liu



Rail holders



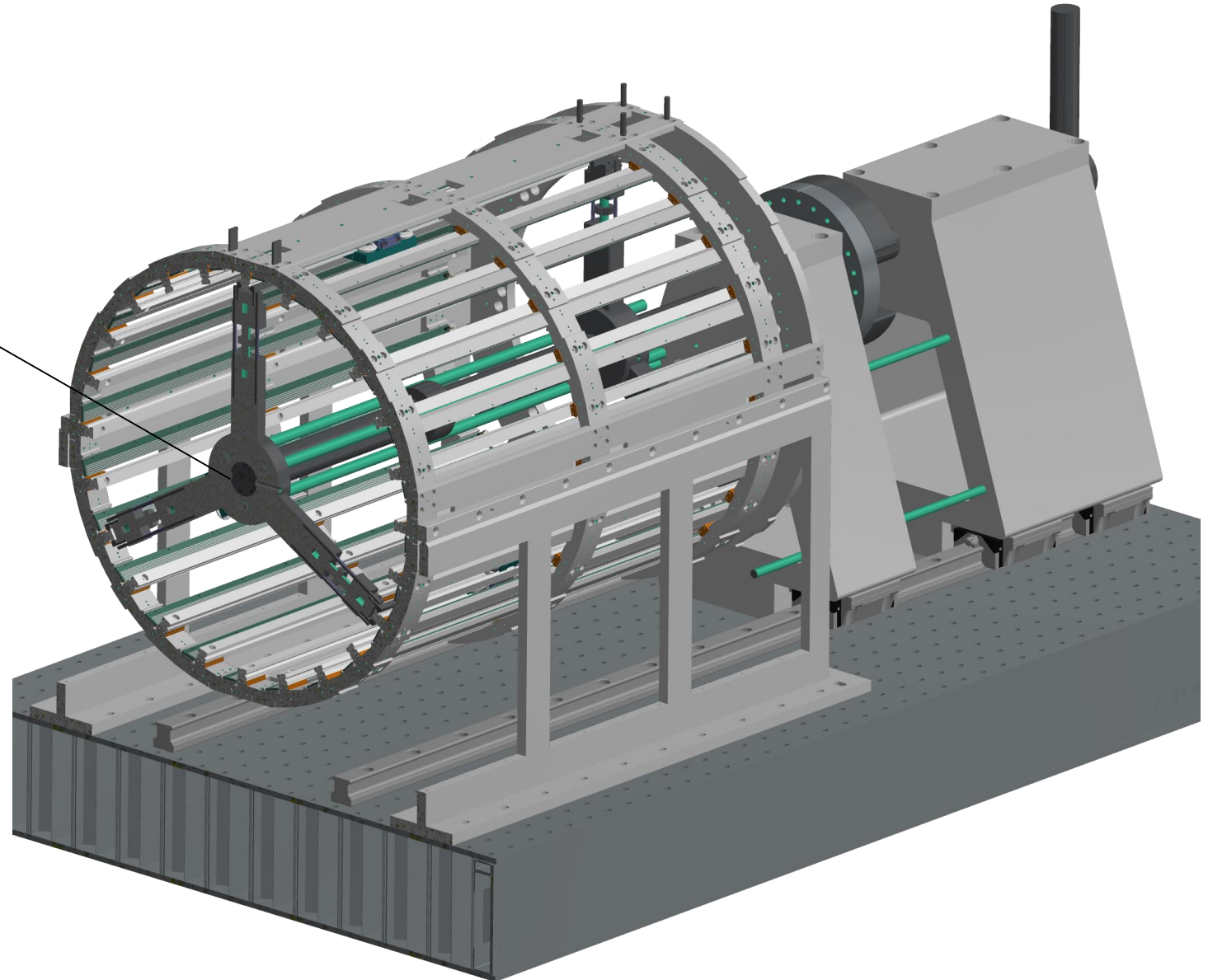
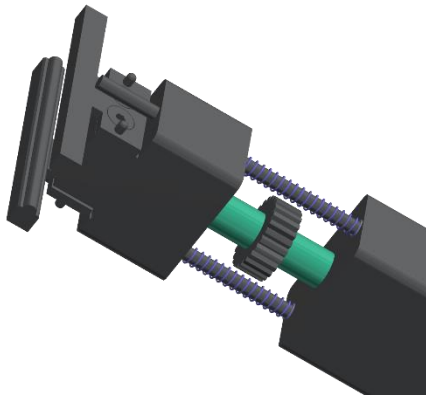
Booster alignment

2x „Star“:
positioning of ceramic
rails for one disc



Star not available:
reworks at workshop
necessary

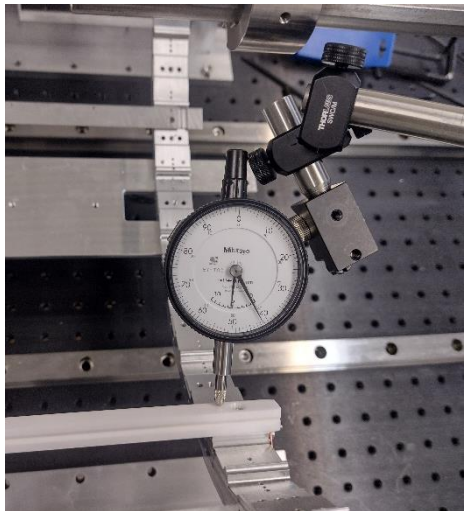
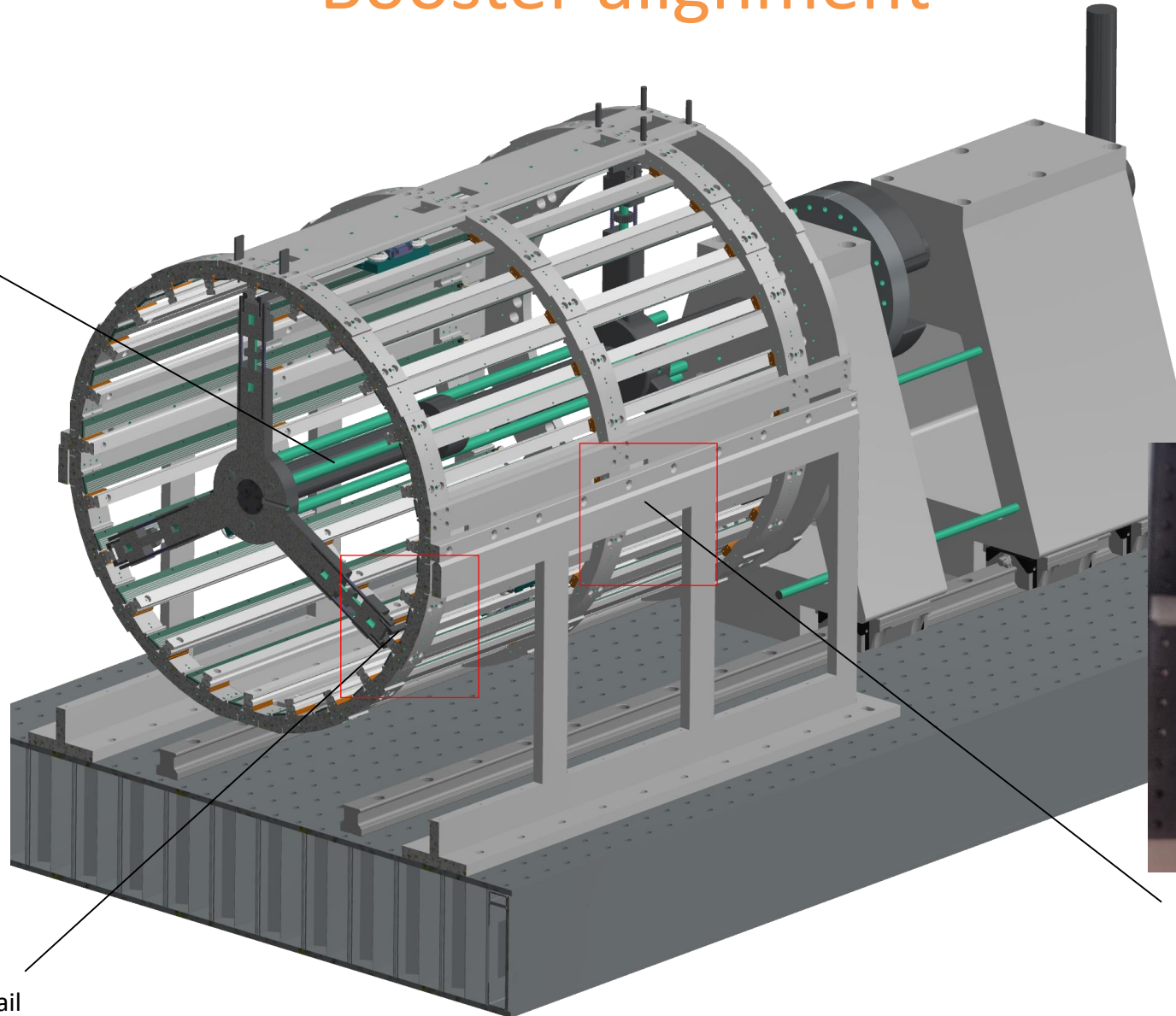
Rail holders



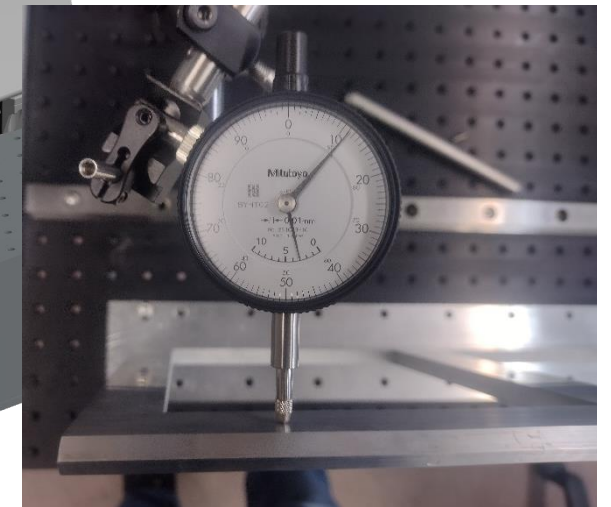
Booster alignment

Alternative method
to install rails
without star:

Center
Rod



Step 2:
align ceramic rail
closest to stainless
steel rail with gauge

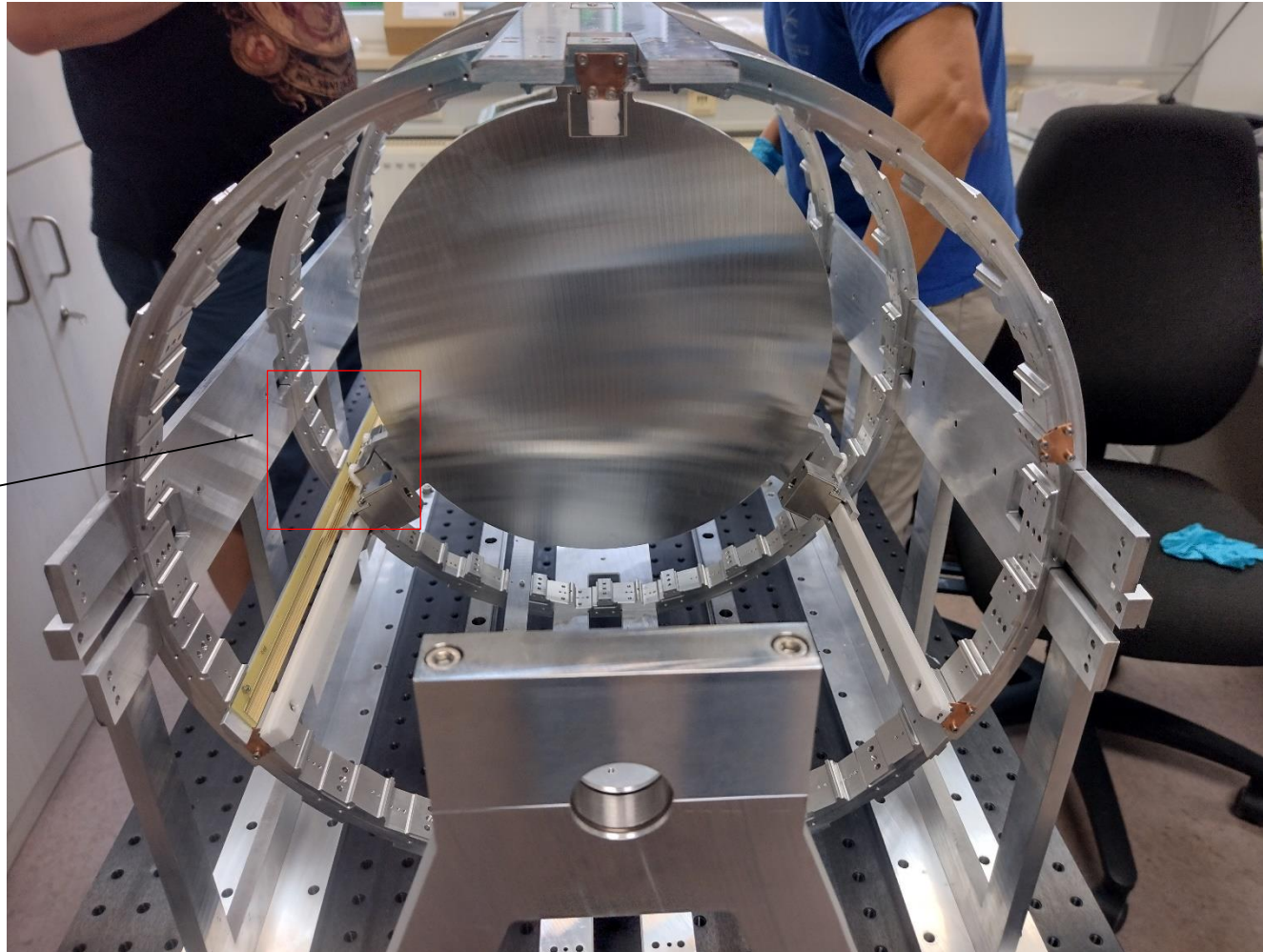
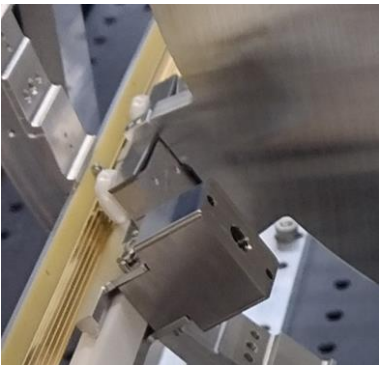


Step 1:
align stainless steel rail
(prism) of booster to rod of
jig (in the center of the
booster) with gauge

Booster alignment

Alternative method
to install rails
without star:

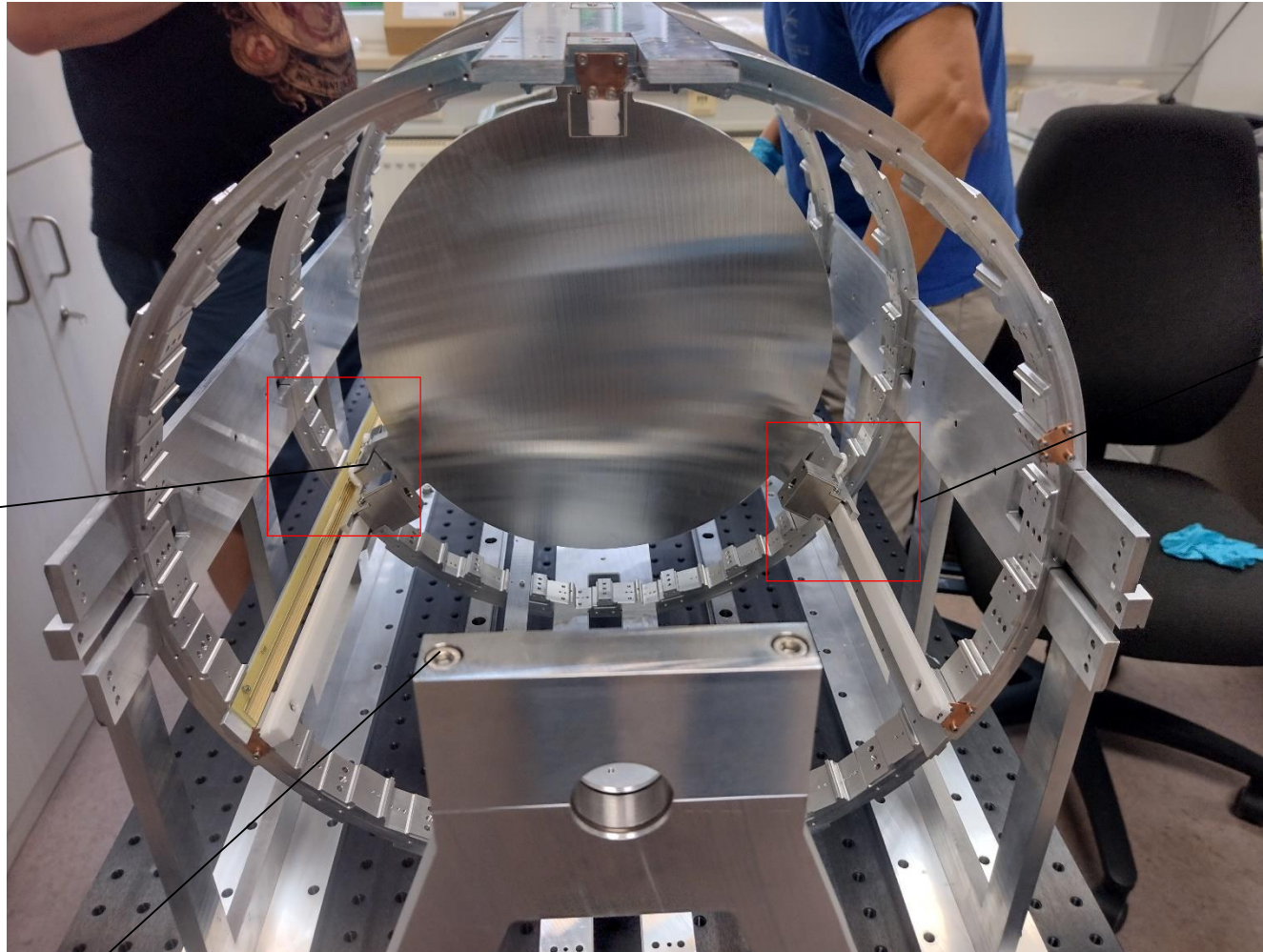
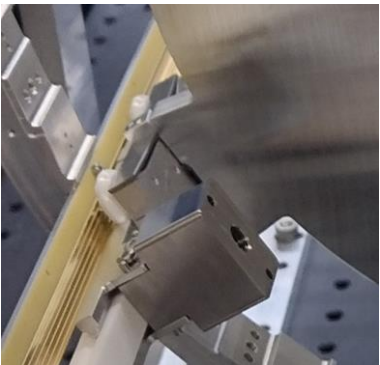
Step 3:
mounting carriages
to flat mirror.



Booster alignment

Alternative method
to install rails
without star:

Step 3:
mounting carriages to
flat mirror.



Step 4:
insert mirror, use
already tightened
ceramic rail (step 2)
as reference. Mirror
aligns other two
rails, can be tightened
too

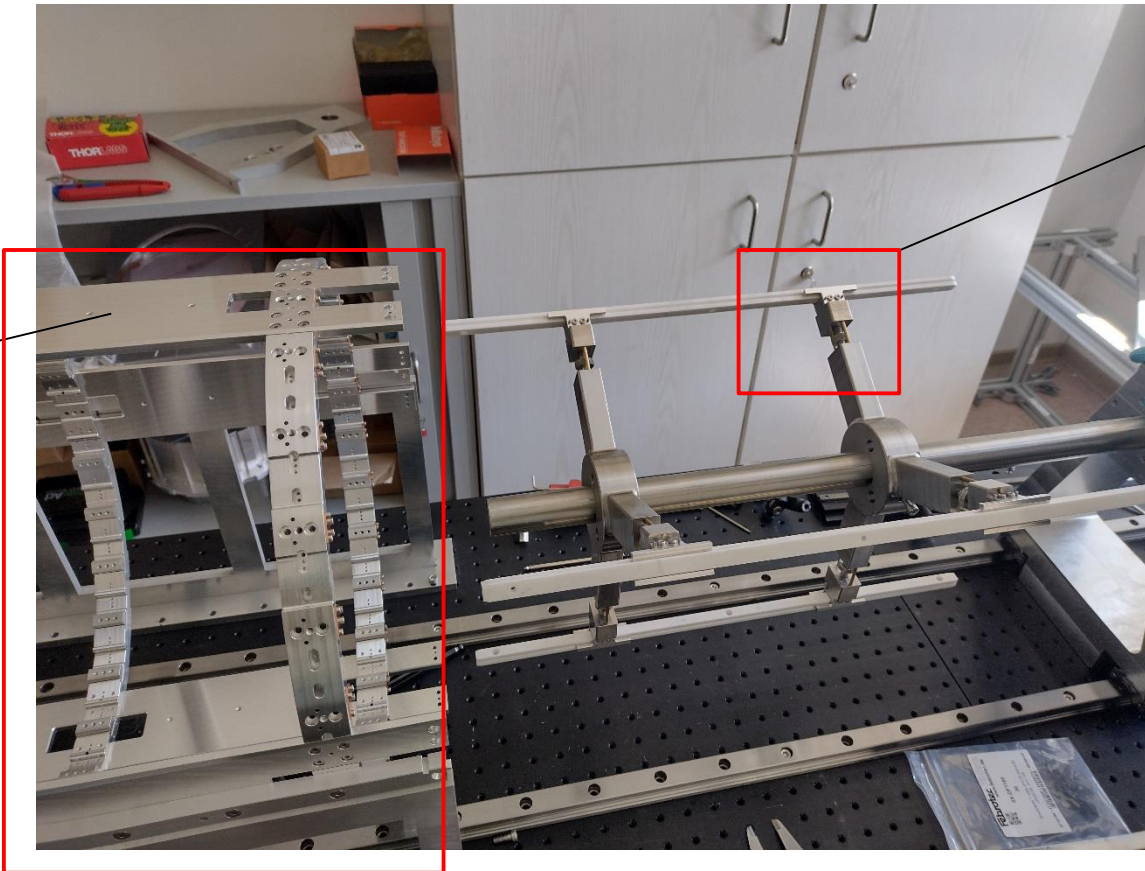
End of session 1

Booster alignment

Session 2:
July 2025 with
Alex Sedlak

Step 1:

Assembling of whole
booster, parts were
cleaned in the
meantime



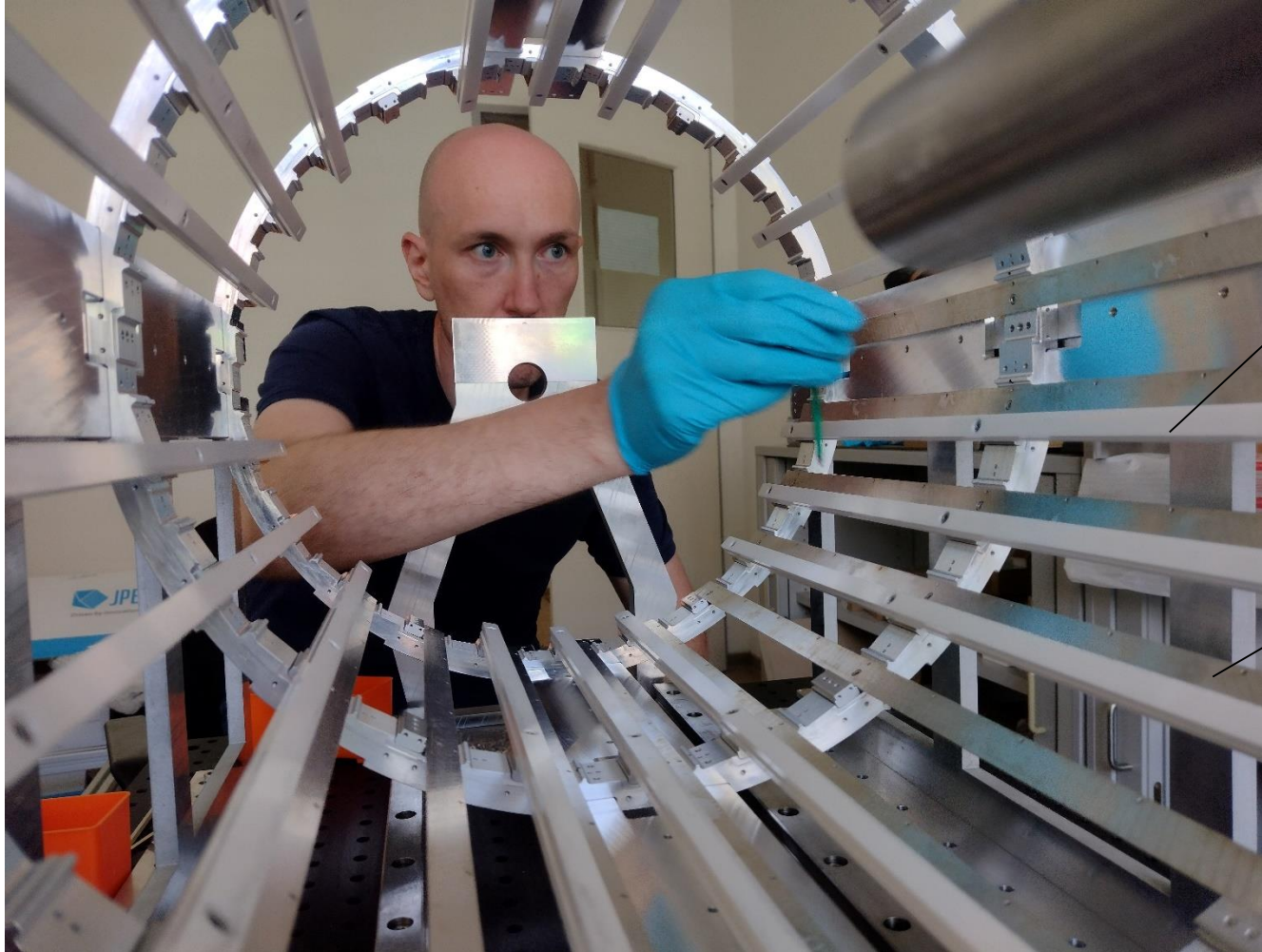
Step 2:

Stars came back from
rework, ready to use
for rail assembling



Booster alignment

Session 2:
July 2025 with
Alex Sedlak



Step 3:

positioning of almost all
rails with jig.

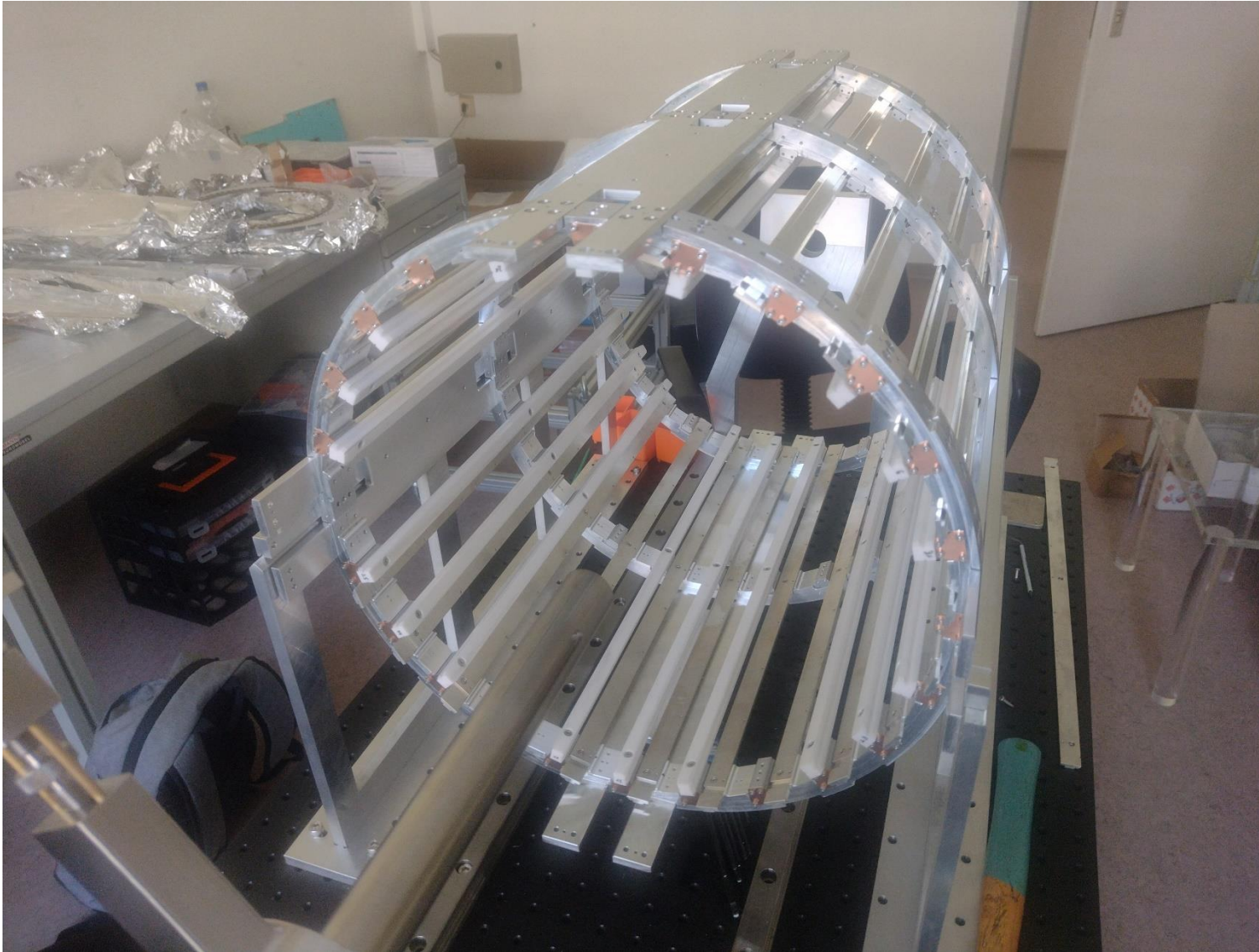
Minor reworks to be done
to attach rails sitting
behind aluminum prisms
=> parts already at
workshop

Step 4:

installation of almost all
PCB-holders

Also minor reworks to be
done for 2 rails

Booster alignment



Booster alignment

