

Laser Calibration system Installation plan and requirements

> I. Kreslo WG meeting on 14.1.15

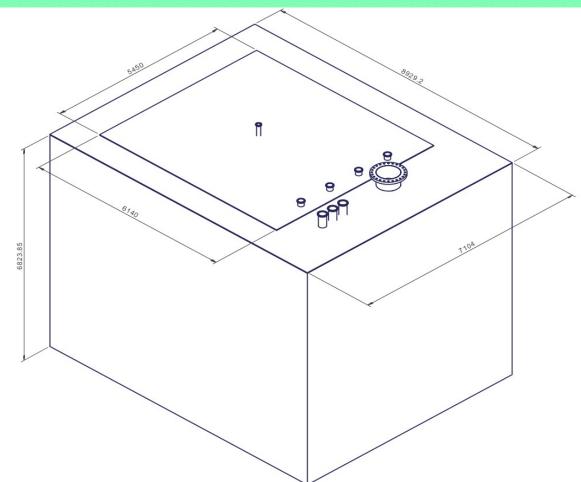


#### TPC cryostat assumptions

1. The basis is the 3D design from SBN Doc# 270

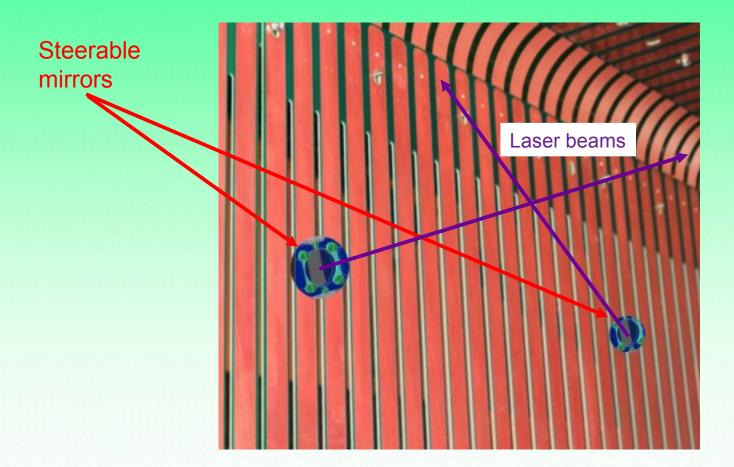
158 m3 Crostat with removable top (F10035424\_06JA2014\_\_.stp, 439.0 MB)

2. The system resides on the removable cover of the cryostat and mounted at the same time and location (tent at DAB?) as the TPC frame structure.



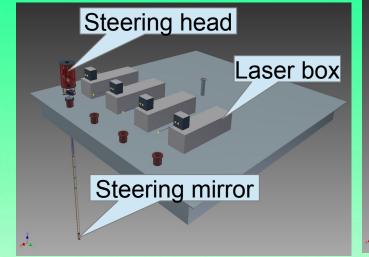
## Entering TPC field cage

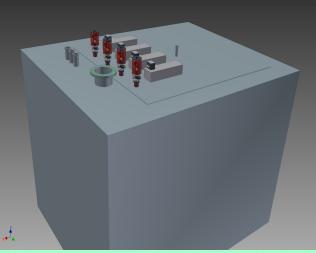


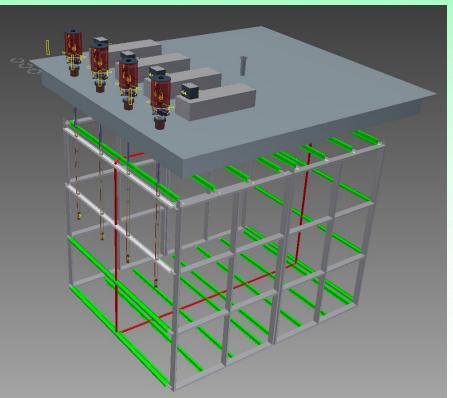


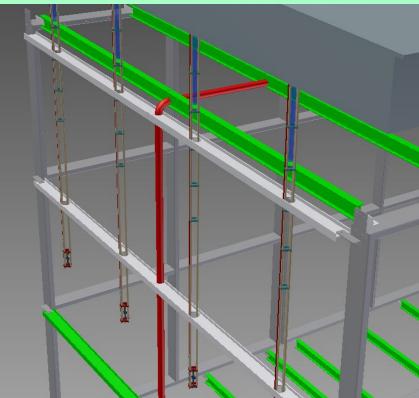
### General view





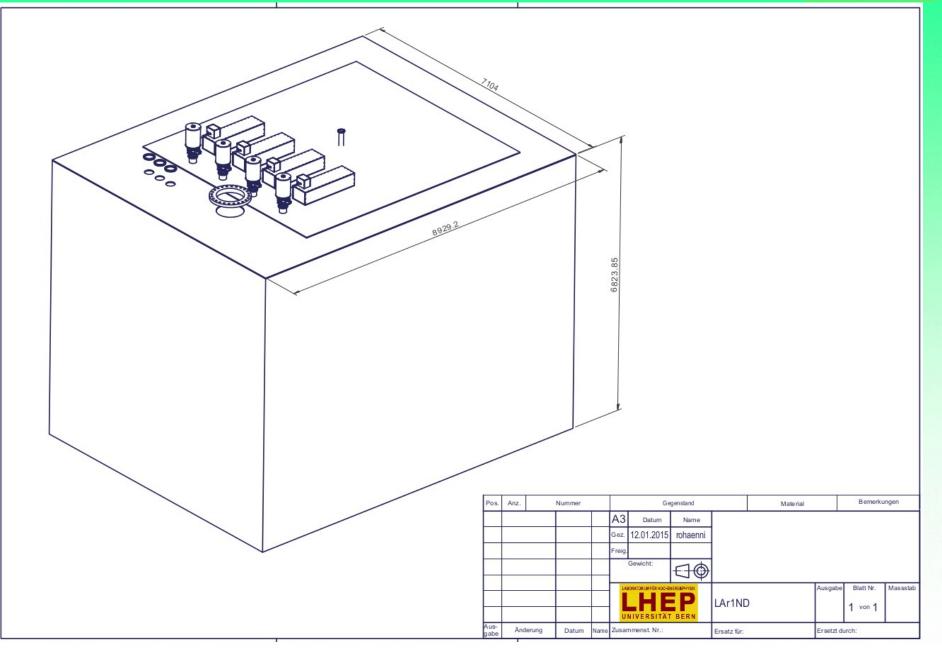


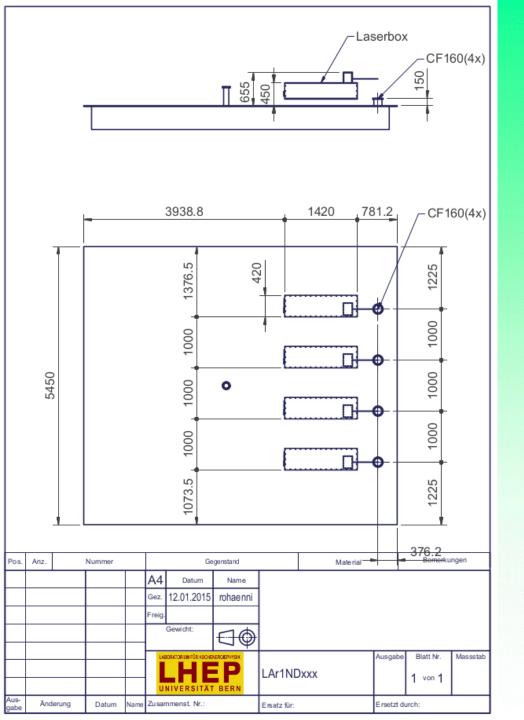




#### General view



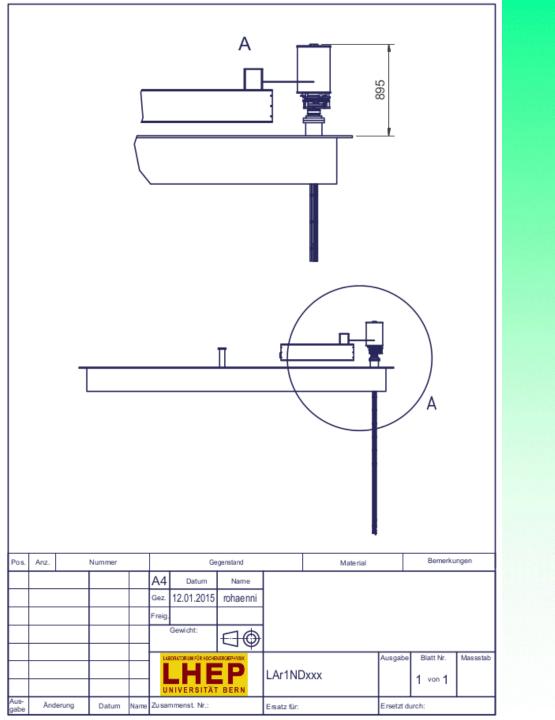




## Details of top flange arrangement

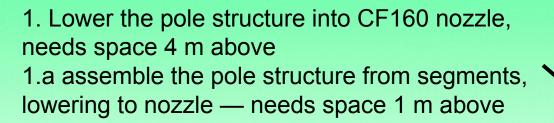






# Details of Laser box to steering head link

### Installation scenario (at assembly location, DAB?)



2. Mount laser head at the top platform (at the level of the flange + 50 cm)

3. Laser rack at <5 m from the laser box (1 per laser head) resides ether outside of the removable cover or on the cover next to laser boxes.









1. The location of top steerable heads is linked to the side of the TPC frame. Any change in the position of the TPC translates to corresponding change in location of the CF160 nozzles at the top flange, and location of laser boxes.

2. Not sensitive to any other modifications of the cryostat.