

Target platform

MEC Session
GSI
March 2014



Bundesministerium
für Bildung
und Forschung



WESTFÄLISCHE
WILHELMS-UNIVERSITÄT
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Interface between PANDA Magnet Yoke and target

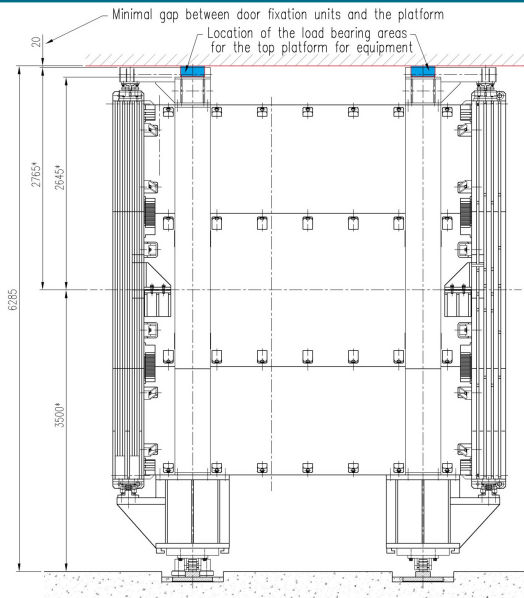
- Draft of interface document was prepared end of last month by the Dubna group and the Münster group.
- Specifies interfaces between:
 - PANDA Magnet Yoke, target source, and beam dump
 - Yoke and the top platform
- Detailed plans of the target platform still missing, although **urgently** needed for both the magnet and the target construction.

Target platform

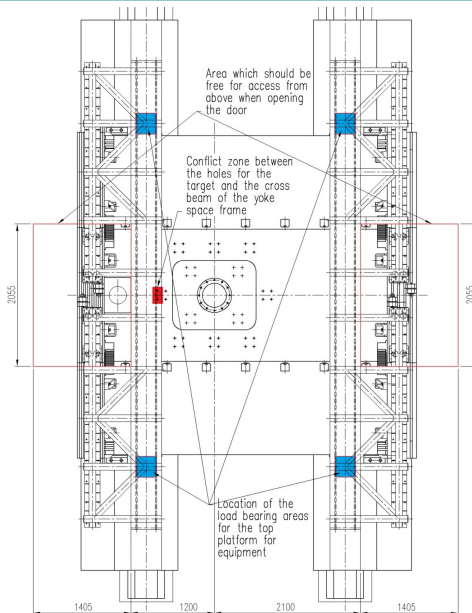
- occupied by the equipment of the superconducting coil (current supply, control and protection circuit rack, electric contactor (5 kA), and protective resistor), the two racks of the target, and a workbench for regular target service
- total weight of the equipment: about 12 t
- provides service passages of adequate sizes and railing

Placement of the equipment has to be specified!

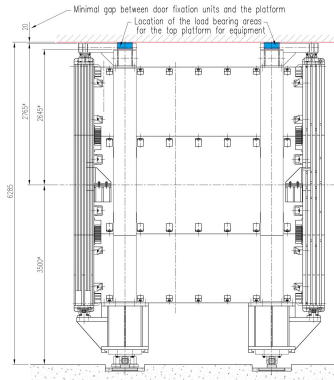
Load bearing areas – side view



Load bearing areas – top view



Height to the concrete shielding



4 points for the load distribution

⇒ special support frame for the platform decking needed

⇔ minimum height of about 2.1 m required between decking and concrete ceiling

Detailed planning of the platform support needed!

Open questions

- Design of the platform decking and the surrounding railing
- Support frame for the platform decking \leftrightarrow height between the platform and the concrete shielding
- Detailed plans for the placement of the equipment on the platform

Solutions to these questions have to be found as soon as possible.