

Forward Endcap into Magnet Insertion

Thomas Held

Ruhr-Universität Bochum
Institut für Experimentalphysik I

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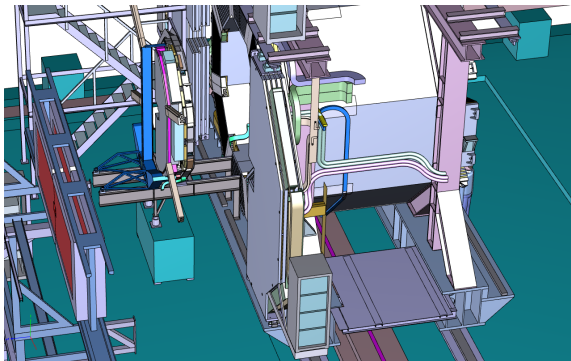
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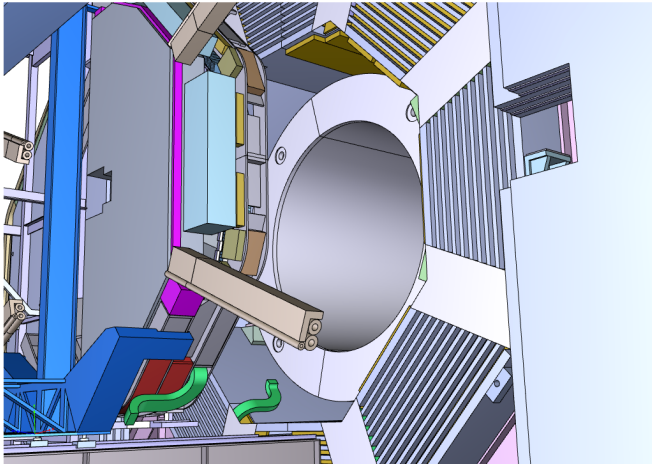
Insertion of Forward Endcap into Panda Magnet

- There has been a meeting in May at Jülich intended to discuss the forward endcap insertion into the Panda magnet
- All involved parties attending (Bochum, GSI, Jülich)
- Finally agreed on insertion procedure suggested by Jost:
- Roll in of endcap on rails ending in front of magnet



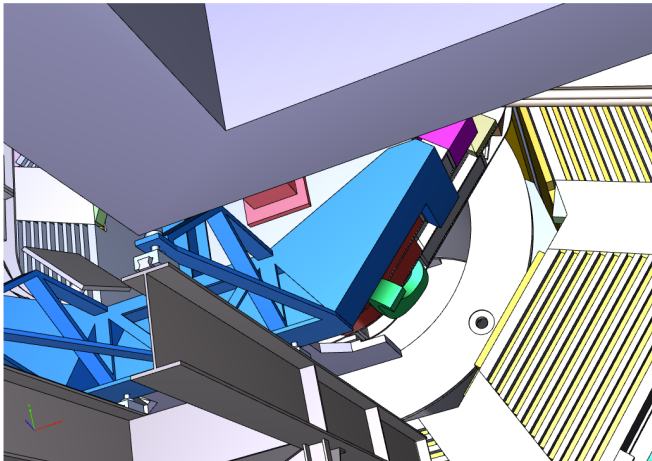
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- Suspension of EMC Forward Endcap frame at most stable points (suggested by KVI engineers)

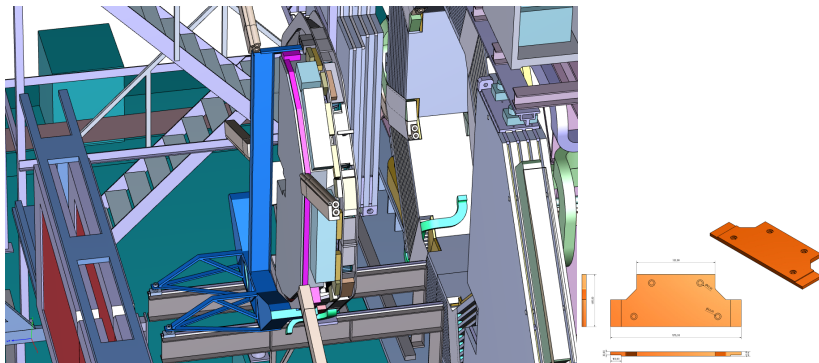


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- Clamp rolls/slider on roll-in frame prevent fall over of endcap



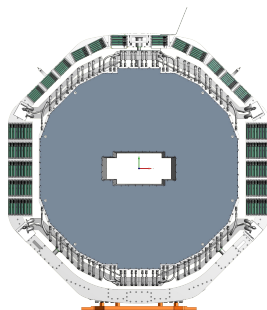
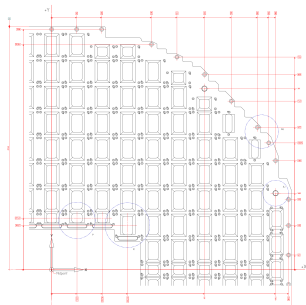
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- Lowering of forward endcap into feed holes in magnet by very slight tilting (lowering at position of front rolls only)
- Receiving endcap from transport frame in the same way as putting it into magnet (additional rails at pick up position)

Insertion of Forward Endcap into Panda Magnet

- Additional securing by use of 8 securing screws on backplate (coupling also backplate to roll-in frame as during transport)
- In operation backplate suspended by just three 'stainless steel in teflon' bearings (thermal barrier)



- Earlier calculation for vertical acceleration of 8 % g by Jost needs to be redone for 12 % g (new GSI/FAIR rules)
- How to crane roll-in frame w/ forward endcap and disk DIRC to rails?
- Agreed on principal procedure for insertion of EMC forward endcap/disk DIRC into PANDA magnet
- Need to refine calculation, discuss technical details etc.