



University
of Glasgow



Magnet Meeting 31 Aug. 2010

Inti Lehmann



Agenda

- Topics
 - **Design of the target spectrometer platform**
 - Edward Lisowski
 - Jost Luehning
 - Inti Lehmann
 - **Considerations on a set-up at FZJ**
 - Andrea Bersani
 - Inti Lehmann
 - All: discussion
 - **Infrastructure: power supplies and cryogenic needs**
 - All: discussion
 - **AoT**

Set-Up at FZJ



- What could be installed at COSY
 - **Solenoid**
 - Use?
 - Field mapping – reproducible?
 - Field for measurements – which strength?
 - **Dipole**
 - Use?
 - Field mapping – reproducible?
 - Field for measurements – in beam?
 - **Platform**
 - Use?
 - **Muon filter**
 - Use?

Set-Up at FZJ



- **Pros**
 - **Test of all components together**
 - time contingency for possible repair
 - **Field mapping**
 - no time pressure
 - start earlier at FAIR – how much?
 - reproducible?
 - **Allows for work to proceed**
- **Cons**
 - **Add manpower and funds required**
 - How much?
 - **Risk of transport damage**
 - How high?

Set-Up at FZJ



- Options
 - **Solenoid**
 - Mounted on support frame only
 - Dedicated simple yoke
 - Full solenoid
 - In or without beam
 - **Dipole**
 - In or without beam
- Any ruled out completely?
- Which risks do we see?