Motion control WS@ ITER

Torsten Bögershausen

Motion Control and Automation Group

www.europeanspallationsource.se
Overview

- 40+ people attending – huge interest
- Several presentations from different sites
- Round table was not done as planned
- Smaller discussions in the big round during the WS
- Larger discussions in ”small rounds” later
Popular

- Different demands - from low-level to high-level
- Standardization on HW & SW is good (for bigger sites)
- EtherCAT based HW slowly gaining popularity
- Delta Tau Geobrick popular
  - ”new” driver from DLS
  - end of live?
Lessons learned

- I could have been more detailed in the ESS status report.
- However: more details on request
- Problems with NTM field in MR?
- MotorRecord from ESS has more debug-printouts - logs welcome.
Lessons not yet learned:

- How to build a "scanning application"?
- ... with a timing-event system?
- ... without a PANDA box?

What is a "scanning application"?
What is a scanning application?

- Step scan: "move", "stopped", "measure"
- Fly scan: "prepare", "move, measure, save into buffers, read buffers, write to disk"
- 3rd variant: "move, timestamp, measure, timestamp". Big data stream to disk.
Conclusion

- I enjoyed
  - the presentations
  - good discussions in smaller groups
Thanks

Merci & Thanks