

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

- 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

- 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