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Synchronised fast shutter control with adaptive phase shift compensation in an EtherCAT motion control system

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**Bitte beim Titel
- eines Vortrages,
dessen Titel eintragen,
- einer Ausstellung
ein paar Stichworte.
Hier könnten mehr
Informationen
werden,
die die Teilnehmer
nach der Annahme
sehen könnten.**

The European Spallation Source (ESS) in Lund, Sweden has entered the construction phase with 15 neutron instruments starting in its detailed design phases in 2015 and 2016. The choice for EPICS as control network and the extended event mode data acquisition of neutron and meta data requires hardware fully integrated in the facilities absolute timing system. Real-time field bus systems to distribute the time information, synchronise the different control components to the proton pulse and time st

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