

Readout of the MWPC detector at the neutron reflectometer MARIA based on TANGO and the GPX TDC ASIC

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For the readout of multi wire proportional chambers (MWPC), Forschungszentrum Jülich has developed a CompactPCI module based on the GPX TDC ASIC from acam messelectronic gmbh. Originally designed for X-Ray spectroscopy at the plasma physics tokamak TEXTOR, recently it has been integrated into the DAQ electronics of the neutron reflectometer MARIA. For the integration into the MARIA instrument control system a TANGO server has been developed. Design of the electronics as well as the software architecture is presented and performance issues are discussed on the base of measurements.

Formal Invitation Letter Required

No

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