



Contribution ID: 4

Type: **not specified**

Experiment control and data acquisition with the MUPPET board

Monday 18 March 2024 16:45 (30 minutes)

In the past especially trap experiments using the GSI-developed and LabVIEW based CS framework were dependent on NIs FPGA cards for precise experimental control (PPG) and data acquisition (TDC).

But since LabVIEW is more or less abandoned at GSI, we had to look for alternatives for the future. The MUPPET board based on a Xilinx ARTIX-7 FPGA allows the connection of up to 16 programmable LEMO in- and outputs (can be multiplied with extension boards).

The presentation will give an overview of the self-made hardware and focus on the already developed software.

Primary author: NEIDHERR, Dennis (GSI Helmholtzzentrum für Schwerionenforschung GmbH, Darmstadt, Germany)

Co-author: HEGGEN, Henning (GSI)

Presenter: NEIDHERR, Dennis (GSI Helmholtzzentrum für Schwerionenforschung GmbH, Darmstadt, Germany)

Session Classification: Mo2 - Kontrollen, LabView

Track Classification: Vortrag