

## WAO'18: Workshop on Accelerator Operations



Contribution ID: 33

Type: **Oral**

### GSI Restart into FAIR Phase 0

*Wednesday, October 3, 2018 10:30 AM (30 minutes)*

After a 2-years shutdown period, in which extensive refurbishment and modernization measures were carried out (including civil construction work in preparation of the GSI connection to FAIR), the entire GSI accelerator chain was put back into operation for the research program of FAIR Phase 0. Additionally, the largest part of the accelerator facility should be controlled with the new FAIR control system for the very first time. As the control system was renewed at all levels (frontend, timing, machine-modeling and applications), it was clear that this restart would be significantly different from the usual setup and commissioning phases after standard shutdowns. For this reason, the recommissioning was planned similar to a commissioning of a new accelerator. In this context, the first concepts for FAIR commissioning have been tested.

This talk is about the planning, the process, difficulties and successes from the dry-runs to the first beam on target.

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**Session Classification:** Commissioning

**Track Classification:** Commissioning: Operator involvement, learning operations from commissioners/physicists