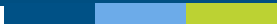


# INTRODUCTION HZB BESSY PULSE POWER TEAM

Olaf Dressler - PULPOKS 2023 Workshop,  
24-26 March 2023, DESY, Hamburg, Germany



## Pulse Power Team @ HZB BESSY

One Engineer and two technicians work together as a team within the injector group and in interaction with many other HZB technicians, engineers and scientists on:

- Operating the pulse power systems for BESSY II and MLS, with participation and support to accelerator operations in the two accelerators,
- Regular maintenance and on call duties,
- Improving the pulse power systems their diagnostics for better overall performance and to ensure accelerator availability,
- Initiation, development, layout and procurement of new technology projects to insure longevity for both accelerator complexes.

## Examples of HZB Pulse Power Activities

Our contributions to PULPOKS23:

1. Pulse current analysis at BESSY II - online evaluation of acquired pulse current measurement data,
2. New BESSY II booster solid state kicker pulse power supplies,
3. Pulse current interlock for BESSY II storage ring kickers,
4. Enhancement and repair of the BESSY II storage ring septa pulser units.

## Summary

1. Team with 3 people, plus in-house support,
2. To cover normal operations of BESSY and MLS; maintenance, services, operation and operator duties, etc.
3. Were able to maintain services even throughout the 'Corona times',
4. Used the difficult times launch technology improvement projects.