

# **PULsed POver for Kicker Systems (PULPOKS) workshop 2023**

**Monday 24 April 2023 - Wednesday 26 April 2023**

**DESY**

## **Scientific Programme**

The PulPoKS workshop is aimed at bringing together the pulsed power and accelerator injection systems communities to

Improve lines of communication between both new and experienced

Engineers in the field of pulsed power for particle accelerators;

Share knowledge, experience and approaches to doing things;

Share information about projects etc. which are being working on, including: obsolescence programs, upgrades, large procurements, new designs, R&D projects, etc.;

Discuss future requirements of the pulsed power community and define what is needed from both universities and manufacturers.

The topics which will be addressed are

Gas discharge switches and replacements

Solid state switches and modulators

Electro-magnetic compatibility (EMC)/noise suppression

Magnetic materials and beam impedance control

Stripline kickers for injection and extraction systems

Reliability, availability and maintenance

Recent and planned upgrades/replacements (non R&D projects)

Experience with manufacturers and material availability

Electrical breakdown and insulation materials.