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## Beam based alignment of focusing solenoids at ARES

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ARES is an electron linear accelerator at the SINBAD facility at DESY. It aims to deliver reliable high-brightness beams with energy in the range of 100 to 150 MeV having fs to sub-fs bunch lengths. This is ideal for injection into novel high-gradient acceleration devices such as dielectric laser accelerators and laser-plasma accelerators which feature fields with fs to ps period. The ARES linac has been successfully commissioned. Here we report the results of the beam-based alignment of focusing solenoids of ARES. The alignment is an important part of commissioning and is crucial for the beam quality.

### Funding Agency

### Footnotes

### I have read and accept the Privacy Policy Statement

Yes

**Primary author:** YAMIN, Sumera (Deutsches Elektronen-Synchrotron)

**Co-authors:** ASSMANN, Ralph (Deutsches Elektronen-Synchrotron); VINATIER, Thomas (Deutsches Elektronen-Synchrotron); KUROPKA, Willi (Deutsches Elektronen-Synchrotron); KELLERMEIER, Max Joseph (Deutsches Elektronen-Synchrotron); JASTER-MERZ, Sonja (University of Hamburg); MAYET, Frank (Deutsches Elektronen-Synchrotron); BURKART, Florian (Deutsches Elektronen-Synchrotron); DINTER, Hannes (Deutsches Elektronen-Synchrotron)

**Presenters:** KELLERMEIER, Max Joseph (Deutsches Elektronen-Synchrotron); JASTER-MERZ, Sonja (University of Hamburg)

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