Contribution ID: **15**   Type: **not specified**

UV laser beamline diagnostics @REGAE

For the new UV GUN laser beamline @REGAE there is a huge need to get a highly precise virtual cathode diagnostic. The design is done and the diagnostic has to be set up in cooperation with experienced members of the group. If the setup is ready the optimization of the laser beam alignment and characterization of the laser beam is the main topic. Some knowledge about data analysis would be required.

The aim is to impart basic concepts of beam transport and practical experience/knowledge about the interplay of lasers and particle accelerators.

Field

A4: Development of experimental techniques (methodology oriented)

DESY Place

Hamburg

DESY Division

M

DESY Group

MPY

Special Qualifications:

Experience with Matlab would be beneficial

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