

High-Power XUV Source for Laser Spectroscopy at FAIR: Implementation and first experiments at CRYRING

Tuesday, 10 May 2016 10:00 (20 minutes)

CRYRING offers the possibility to perform laser spectroscopy experiments in the extreme ultraviolet (XUV) region with highly charged ions. Therefore a table-top, high repetition rate, and high photon flux XUV source is needed. The talk presents recent developments of such a tailored XUV source, based on high harmonic generation of a high repetition rate femtosecond fiber laser system, as well as the planned implementation at the CRYRING.

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Session Classification: Talks