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**UNIVERSITÄT
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Seminar über Ultrafast Science and Technology

Referent: David Rohrbach, Institute of Mathematics, University of Bern

Titel: THz-driven graphene plasmon-based undulator

By using a classical undulator with an alternating magnetic field one can produce X-ray with a high energetic electron beam. Numerical simulations of the new type of graphene plasmon-based undulator, which is driven by a THz source, indicate narrow-band emissions in the X-ray even for a low energetic beam and a total undulator length of some centimeters.

Zeit: Donnerstag, 05.10.2017, 11:15 Uhr

Ort: **Hörsaal B116**, Gebäude exakte Wissenschaften, Sidlerstrasse 5, Bern, Schweiz