

Im Rahmen des Seminars

Recent Progress in Applied Physics

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spricht

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über

Current State of Fusion Projects for Energy Production

Abstract:

Fusion, the energy source for stars, is considered as a game changer in the hunt for green renewable energy production without the production of long-term toxic or radioactive waste and exhaust gases. Due to the big amount of energy that is produced via fusion several independent testing sites are working on getting fusion to work on earth. The goal of this seminar talk is to provide an insight in the working principle of the Tokamak, Stellarator and laser-induced fusion and their individual progresses. The focus is set on laser-induced fusion and how it was possible to achieve and surpass the breakeven point at the National Ignition Facility (NIF).