



Universität
Basel

Research Project

THOMSON SCATTERING (CORE LIDAR) PROJECT

Third-party funded project

Project title THOMSON SCATTERING (CORE LIDAR) PROJECT

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Organisation / Research unit

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Department

Project Website <http://nanolino.unibas.ch/pages/research/fusion.htm>

Project start 01.04.2009

Probable end 31.01.2017

Status Completed

For the International Thermonuclear Experimental Reactor (ITER), the core electron temperature and density should be measure by a diagnostic. It is proposed to measure this with a LIDAR Thomson scattering system, with a laser beam injected approximately horizontally through an equatorial port. The scattered light from the laser beam directed towards the core plasma will be collected trough an optical labyrinth. This project is to participate to the design of this diagnostic and mostly work on the optical components.

Keywords ITER, LIDAR, Mirrors

Financed by

Foundations and Associations

Add publication

Add documents

Specify cooperation partners