Contribution ID: **168** Type: **Talk**

The start up of laser induced nano fusion

Wednesday 7 September 2022 15:30 (30 minutes)

Laser induced Inertial Confinement Fusion has many new ideas recently. In the NAPLIFE project our aim is to circumvent some of these by results from ultra-relativistic heavy ion reactions and nanotechnology. We aim for time-like detonation to avoid instabilities and slow spreading of the burning front and regulate the light absorption in the target by implanted nano-antennas. The initial validation experiments led to new interesting theoretical problems too.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

NAPLIFE

Is the speaker for that presentation defined?

Yes

Details

L.P. Csernai

Internet talk

No

Author: CSERNAI, Laszlo Pal (University of Bergen)

Co-authors: Dr KUMARI, ARCHANA; SZENES, Andras (Universite de Geneve (CH)); Dr MOTORNENKO, Anton (Frankfurt Institute for Advanced Studies); STROTTMAN, Dan (LANL); VASS, Dávid (U of Syegeg); STOECKER, Horst (GSi); MISHUSTIN, Igor (Goethe University); Dr PAPP, Istvan; Dr KAMAN, Judit; BRAVINA, Larisa; SATAROV, Leonid (Frankfurt university); VERES, Miklós (Wigner RCP); CSETE, Mária (U of Szeged); KROÓ, Norbert (Wigner Research Centre for Physics); BIRO, Tamas Sandor (MTA Wigner RCP)

Presenter: CSERNAI, Laszlo Pal (University of Bergen)

Session Classification: Workshop on Laser fusion, a spin-off from heavy-ion collisions

Track Classification: Workshops: Workshop on Laser Fusion, a spin-off from heavy-ion collisions