

Session Program

30 August 2022 to 12 September 2022



XI International Conference on New Frontiers in Physics

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

Conference venue: OAC conference center, Kolymbari, Crete, Greece. The conference will take place in Crete in physical form, however participation is also possible via internet

Wednesday 7 September

15:30

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

Session | Location: Room 2

15:30–16:00 **The start up of laser induced nano fusion**

Speaker

Laszlo Pal Csernai

16:00–16:30 **Particle-in-cell simulations for Nanofusion**

Speaker

Istvan Papp

16:30

16:30

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

Session | Location: Room 2

16:30–17:00

LIBS Analysis of Pure, Deuterated and Au-doped UDMA:TEGDMA mixture: A Part of the Nanoplasmonic Laser Fusion Experiments

Speaker

Dr Archana Kumari

17:00–17:30

Effect of the embedded plasmonic gold nanorods on the interaction of high intensity laser irradiation with UDMA polymer - morphological and structural changes during crater formation

Speaker

Judit Kaman

17:30–18:00

Effect of the embedded plasmonic gold nanorods on the interaction of high intensity laser irradiation with UDMA polymer - the volume loss during crater formation

Speaker

Agnes Nagyne Szokol

18:00–18:30

Raman spectroscopic study of structural transformations in methacrylate polymer doped with plasmonic gold nanoparticles upon irradiation with high-energy femtosecond laser pulse

Speaker

Miklós Veres

18:30