

HiPER+ dissemination actions

Past contributions

May 2022

“*The future of ICF/IFE in Europe*”, GSI Plasmaphysik-Seminar 10th May 2022 (Colin Danson)

January 2023

” *Energy from Inertial Confinement Fusion: principles, schemes, technology Seminar together with A. Kritcher (LLNL) for Fusion for Energy (F4E) & ITER*” Engineering, Barcelona+Remote January 30, 2023 (J. Manuel Perlado)

February 2023

"*Energia mediante la Fusión por Confinamiento Inercial: principios, ignición y futuro*" in Fundacion Areces 28 February 2023 inside Series on "ACTUALIDAD Y RELEVANCIA DE LA FUSIÓN TERMONUCLEAR COMO FUTURA FUENTE DE ENERGÍA LIMPIA" (J. Manuel Perlado)

“*From The recent breakthrough at the National Ignition Facility (NIF) to a new European Pathway for Laser-Fusion in EU*”. Internal seminar CLPU Salamanca Spain, (Luca Volpe)

“*Nuclear Fusion with Lasers: On the recent breakthrough at the National Ignition Facility (NIF) to a new European Pathway for Laser-Fusion in EU*”. 43rd International Workshop on High-Energy-Density Physics with Intense Ion and Laser Beams.
January 29th – February 4th, 2023 Darmstädter Haus Hirschegg, Austria (Luca Volpe)

March 2023

“*What happens after NIF ignites?*” OxCHEDS Annual Meeting, Trinity College, Oxford 20th March 2023 (Colin Danson)

April 2023

“*Presentation of the HiPER+ Roadmap*” at seminar at GSI Seminar, Darmstadt (Vladimir Tikhonchuk)

“*From The recent breakthrough at the National Ignition Facility (NIF) to a new European Pathway for Laser-Fusion in EU*”. NEILS LaserLab CLPU Salamanca Spain, (Luca Volpe)

“*Presentation of the HiPER+ Roadmap*” at the 5th ECPD-2023 April 27, 2023 (Michael Tatarakis)

Planned contributions.

May 2023

“*Presentation of the HiPER+ Roadmap*” at seminar at the DDFIW in Oxford May 2023 (Vladimir Tikhonchuk)

October 2023

“*Nuclear Fusion with Lasers: On the recent breakthrough at the National Ignition Facility (NIF) to a new European Pathway for Laser-Fusion in EU*”. 20th edition of the European Fusion Theory Conference, Padova, Italy, 2-5 October 2023 (Luca Volpe)

“*Presentation on the HiPER+ roadmap*” at the LMJ user meeting in Bordeaux, June 8th and 9th (Sebastien Le Pape)

“*Keynote presentation about fusion activities in Europe*” at IFSA, September 25-29th (Sebastien Le Pape)

Publications

S Atzeni, D Batani, CN Danson, LA Gizzi, M Perlado, M Tatarakis, V Tikhonchuk, L. Volpe “An evaluation of sustainability and societal impact of high-power laser and fusion technologies: a case for a new European research infrastructure”, High Power Laser Science and Engineering, (2021), Vol. 9, e52, 4 pages.

S Atzeni, D Batani, CN Danson, LA Gizzi, S Le Pape, JL Miquel, M Perlado, RHH Scott, M Tatarakis, V Tikhonchuk, L Volpe “Breakthrough at the NIF paves the way to inertial fusion energy”, Europhysics News 53 (1), 18-23

Colin N. Danson, Leonida A. Gizzi and Robbie H.H. Scott. 'Inertial Fusion breakthrough: what it means for fusion energy.' Accepted to Science in Parliament (2023)

C.N. Danson and L.A. Gizzi. 'ICF Ignition achieved on NIF - An Editorial.' Accepted to High Power Laser Science and Engineering (2023)