

2nd International Workshop on Proton-Boron Fusion

Tuesday, 6 September 2022

Theory and simulation (10:40 - 12:30)

-Conveners: Fabio Belloni

time	[id] title	presenter
10:40	[81] INVITED TALK: State of the art of numerical tools for simulating the proton-boron reactions and the α -particle production	Dr NICOLAI, Philippe
11:10	[82] Effect of nuclear charge on laser-induced fusion enhancement	Dr BEKX, John Jasper
11:30	[83] Non-linear interaction dynamics of Ultra-short and Intense Laser pulses with near critical plasmas in nano-structured targets	Dr RAJ, Gaurav
11:50	[84] Double in-line plasma-mirror-based contrast enhanced laser-ion acceleration at the Centre for Advanced Laser Applications	Mr SPEICHER, Martin
12:10	[85] Wrap up by invited speakers and discussion	

Theory and simulation (15:30 - 16:20)

-Conveners: Pablo Cirrone

time	[id] title	presenter
15:30	[86] Proton and alpha stopping power in laser-generated plasma: a systematic study proposed within the FUSION project	Dr CIAMPI, Caterina
15:50	[87] INVITED TALK: Dynamics of fusion in laser produced non-equilibrated plasmas	Dr BONASERA, Aldo

Theory and simulation (16:40 - 17:40)

-Conveners: Pablo Cirrone

time	[id] title	presenter
16:40	[88] Probing kilo-Tesla magnetic fields in near-critical-density laser-plasma interactions	Dr GONZALEZ-IZQUIERDO, Bruno
17:00	[89] Parametric scan of plasma parameters for optimization of the avalanche process in p11B fusion	Dr NISSIM, Noaz
17:20	[90] Wrap up by invited speakers and discussion	