

Monday		Tuesday		Wednesday		Thursday	
5 October		6 October		7 October		8 October	
08:15–09:00 Registration on site		S5 Chair: D. Milovanović		S7 Chair: G. Lastovicka-Medin		S9 Chair: A. Maffini	
S1 Chair: D. Margarone		09:00–09:30 B. Liu Overview of ENN proton-boron fusion research		09:00–09:30 C. Verona Advanced Time-of-Flight Diamond Diagnostics for Ion Discrimination		09:00–09:30 I.C.E. Turcu Ammonia Borane P-B Fusion Fuel: from 2022 Proposal at Catania Workshop to Experimental Results	
09:00–09:20 Welcome and Opening Ceremony		09:30–09:50 D. Hoffmann The Fusion Portfolio: Why p-11B Deserves a Place at the Table		09:30–09:50 F. Consoli Advances on alpha particle identification		09:30–09:50 M. G. S. Londesborough From Borax mines to Sophisticated Nano-Structured Borane-based Targets for p-11B Fusion: The complete chain	
09:20–09:50 M. Scisciò Laser-driven low-rate nuclear fusion reactions: single-pulse and high-repetition-rate approaches		09:50–10:10 R. Huo Net Energy Gain Attempt via Nonthermal Equilibrium at ENN		09:50–10:10 D. Pacella Efficient Detection of alpha particles in proton-boron experiments with pixellated 2-D ASIC detectors like Timepix3		09:50–10:10 D. Orecchia Pulsed Laser Deposition as a versatile technique for tailored boron-based targets in proton-boron fusion	
09:50–10:00 Welcome Ceremony · Prof. Dr. Oguz Bayat, Vice Rector		10:10–10:30 G. Lastovicka-Medin Challenges of utilizing Si & SiC detectors towards X-ray/alpha particle discrimination in pB related experiments		10:10–10:30 F. Abubaker Unlocking Proton–Boron Fusion with Laser-Driven Ion Beams: High-Energy Proton Acceleration, Advanced Diagnostics, and Fusion Yield Characterization		10:10–10:30 P. J. Kervalishvili Using Pulsed Laser Deposition for Target Preparation in Proton–Boron Fusion Experiments	
10:00–10:20 T.-Y. Huang Recent progress in laser-driven proton acceleration and proton-boron fusion at the NCU 100-TW laser facility		10:30–10:50 Coffee Break		10:30–10:50 M. S. Dimitrijević Broadening of nitrogen lines for diagnostics of proton-boron fusion plasma obtained with BN target		10:30–10:50 Coffee Break	
10:20–10:50 Coffee Break		S6 Chair: I. Fitiilis		10:50–11:10 Coffee Break		S10 Chair: M.G.S. Londesborough	
S2 Chair: F. Consoli		10:50–11:20 A. Kulińska The pB reaction in Plasma-Focus device, status of the experiments		S8 Chair: A. Bonasera		10:50–11:10 D. Mancelli Study of proton stopping power in warm dense matter using low-density Foams at the XGIII laser facility	
10:50–11:20 O. Rosmey Boost of electron and proton acceleration using low density foams		11:20–11:40 V. Munzar Charged-Particle Diagnostics for Proton–Boron and Deuterium–Deuterium Fusion Experiments on Plasma Focus		11:10–11:40 G.A.P. Cirrone G4PLASMA: a Roadmap for Integrating Plasma-Aware Charged-Particle Transport Models into the Geant4 Toolkit		11:10–11:30 A. Maffini CA25144: Inertial fusion energy: supply Chain of laser-targets from Exploration to Delivery (ICED)	
11:20–11:40 L. Reichwein Updates on the plasma-based acceleration of polarized protons and helium-3		11:40–12:00 C. Karvounis 2D MHD simulations of a miniature Plasma Focus device		11:40–12:00 Z. Li Spin-Polarized p-11B: From Generation to Maintenance		11:30–11:50 Discussion: CA25144: ICED · A. Maffini / F. Consoli	
11:40–12:00 H. Zhang Enhanced laser-proton acceleration and nuclear reaction via nano structure		12:00–12:30 Discussion: HiPER+ / COST / Perspectives · D. Batani / G.A.P. Cirrone		12:00–12:20 T. Apostolova Orientation-Dependent High-Harmonic Generation in Semiconductors and Potential for High Energy Attosecond Driving of Proton-Boron Fusion		11:50–12:00 Closing Ceremony	
12:00–13:30 Lunch Break		12:30–13:00 Break (laptop drop-off to the hotel)		12:20–12:40 P. Tchórz Demonstration of bidirectional alpha particle emission from proton-boron reaction using low-density boron catchers and cavity-type pitcher with ns, kJ laser system		12:00–14:00 Lunch	
S3 Chair: D. Hoffmann		13:00–18:00 Historical Peninsula Tour Boxed lunch		12:40–14:00 Lunch Break			
13:30–14:00 D. Batani Proton boron fusion for laser driven production of medical radioisotopes				14:00–14:30 CG Meeting CA21128 / PROBONO · Chair: K. Batani · closed, in person			
14:00–14:20 S. Arjmand A Roadmap to Potential Fusion Applications Using Novel Approaches				14:30–16:30 MC Meeting CA21128 / PROBONO · Chair: K. Batani · closed & hybrid			
S4 Chair: D. Batani				18:00–21:00 Gala Dinner			
14:20–14:50 K. Batani Equation of State of Shock Compressed BN in the Megabar Pressure Range							
14:50–15:10 J. Pasley Shock waves launched by short-pulse laser-solid interaction							
15:10–15:40 S5 Discussion: PROBONO · K. Batani / D. Margarone							
15:40–17:00 Poster Session + Coffee Break							
17:00–18:00 Welcome Cocktail							

KEY

Inited talk (I)

Coffee break

Discussion / meeting

Oral talk (O)

Lunch / break

Social event

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