

**COST Action CA21128: "PROton BORon Nuclear fusion:
from energy production to medical applicatiOns"**

Working Group meeting

Agenda

11/04/2025

Face to face, Prague, Czech Republic

Institute of Plasma Physics of the Czech Academy of Sciences

U Slovanky 2525/1a, 182 00 Praha 8

Session 1, Chair: Daniele Margarone

14:00 – 14:30 D. Batani, "Hydrogen boron fusion in confined geometries"

14:30 – 15:00 M. Tosca, "Unambiguous detection of alpha particles on Thomson Parabola"

15:00 – 15:30 H. Larreur et al., "Medical-use radioisotopes production using a high-repetition-rate laser system"

15:30 – 16:00 P. J. Kervalishvili, T. Berberashvili, "Preparation of Proton Boron Fusion Targets ($B^{11}H_2$) by Laser Plasma Method"

16:00 – 16:15 Coffee Break

Session 2, Chair: Aldo Bonasera

16:15 – 16:45 N. Pop, "Dissociative recombination and electron-induced excitation and of BeH^+ ions isotopomers"

16:45 – 17:15 C. Daponta, "Simulations applied for the experimental verification of the avalanche effect in proton-boron fusion"

17:15 – 17:45 S. Moustazis, "High alpha production from low density p-11B medium configurations"

17:45 – 18:15 T. Apostolova et al., "High order harmonic generation in bulk solids – theoretical and experimental study"