2nd International Workshop on Proton-Boron Fusion

Wednesday, 7 September 2022

Diagnostic and target (09:00 - 10:10)

-Conveners: Daniele Margarone

time	[id] title	presenter
09:00	[91] INVITED TALK: Can plasma polymers serve as a source of hydrogen for laser-driven pB fusion?	Prof. SHUKUROV, Andrey
09:30	[92] Characterization and developments of plasma polymer/BN targets for laser-driven pB fusion	Mr TOSCA, Marco
09:50	[93] Developing boron nitride nanomaterials for fusion reactions	Dr MATETI, Srikanth

Diagnostic and target (11:10 - 12:30)

-Conveners: Daniele Margarone

time	[id] title	presenter
11:10	[95] Pulsed laser deposition of boron-based targets for p-11B studies	Mr ORECCHIA, Davide
11:30	[96] Preparation of boron nanomaterials based targets for boron-proton reactions	Prof. CHEN, Ying
11:50	[97] Thermal properties of boron nitride nanostructures	CAI, Qiran
12:10	[99] Wrap up by invited speakers and discussion	

Thursday, 8 September 2022

Diagnostic and target (09:00 - 10:10)

-Conveners: Salvatore Tudisco

time	[id] title	presenter
09:00	[100] INVITED TALK: Characterisation of p-11B fusion reactions in laser-matter experiments	Dr CONSOLI, Fabrizio
09:30	[101] Preliminary design of a Thomson Parabola Spectrometer for proton-Boron fusion beam initiated by laser	Dr KURMANOVA, Alma
09:50	[102] Current state of Proton-Boron Fusion in plasma environment experiments at Prague Asterix Laser System (PALS)	Dr CAGNI, Beatrice Maria

Diagnostic and target (10:30 - 12:20)

-Conveners: Salvatore Tudisco

time	[id] title	presenter
10:30	[103] INVITED TALK: Using Deep Learning for Ions Detection with CR-39 in laser induced P11B fusion experimentsw	Mr AMIT, Gal
11:00	[104] High sensitivity Thomson spectrometry in experiments of laser-driven low-rate neutron-less fusion reactions	SCISCIO', Massimiliano
11:20	[117] Time-of-flight diamond detectors for particle detection in laser driven p-B11 fusion experiments	Prof. VERONA, Claudio
11:40	[106] Wrap up by invited speakers and discussion	