

Session Program

2-7 Oct 2022



8th International symposium on Negative Ions, Beams and Sources - NIBS'22

Poster Session 2

Orto Botanico - Padova, Italy
Via Orto Botanico, 15 - 35123 Padova, Italy GPS: 45.399444, 11.879807

Thursday 6 October

08:30

Poster Session 2

Session

08:30–08:35

Characteristics of co-extracted electrons reduction for the Cs-free negative ion source using TPDsheet-U

Speaker

Taiga GOKA

08:35–08:40

Overview of MITICA diagnostics design and procurement

Speaker

Roberto PASQUALOTTO

08:40–08:45

Energy distribution of fragments in H₂ dissociation by electron impact for the use in numerical models

Speaker

emanuele SARTORI

08:45–08:50

Characteristics of extracted negative ion beam using electron emitters on the Cs-free negative ion source TPDsheet-U

Speaker

Ryuichi ONUMA

08:50–08:55

Development of Cs-injection System for KFE RF hydrogen Negative Ion Beam Source

Speaker

Byungkeun NA

08:55–09:00

Laser Powder Bed Fusion: an innovative production method for creating components and devices for Nuclear Physics

Speakers

Ms Silvia CANDELA, Ms Valentina CANDELA

09:00–09:05

Effects of different particle injection models on the results of PIC simulation

Speaker

Hongyu WU

09:05–09:10

The Effect of Beam Chopping on the Emittance Growth of Negative Hydrogen Ion Beam

Speaker

Hui LI

09:10-09:15

The impact of neutral beam parameters on current drive and neutron yield in DEMO-FNS**Speaker**

Pierluigi VELTRI

09:15-09:23

Characterization of the Plasma in SPIDER using a Cs-H Collisional Radiative model**Speaker**

Basile POURADIER DUTEIL

09:23-09:28

Volume and surface effects in Cs-free regimes in NIO1**Speaker**

Marco CAVENAGO

09:28-09:33

Work Function Measurements in BATMAN Upgrade using LEDs Revealing Remarkably Low Values**Speaker**

Jacob M BERNER

09:33-09:38

H- Beam formation simulation in negative ion source for CERN's Linac4 accelerator**Speaker**

Anna VNUCHENKO

09:38-09:43

USE OF ELECTRICAL MEASUREMENTS FOR NON-INVASIVE ESTIMATION OF PLASMA ELECTRON DENSITY INSIDE THE DRIVER OF SPIDER**Speaker**

Dr Palak JAIN

09:43-09:48

Spider plasma emission between 300 nm and 900 nm in different operative conditions**Speaker**

Barbara ZANIOL

09:48-09:53

Highly electronegative plasma conditions in the SPIDER negative ion source**Speakers**

Carlo POGGI, emanuele SARTORI

09:53-09:58

Study of the relationship between the source complexity and the beam divergence and homogeneity in SPIDER**Speaker**

Margherita UGOLETTI

09:58-10:03

Preliminary design of tungsten wire calorimeter for CRAFT NNBI**Speaker**

Mrs ling YU

11:00

10:03-10:08

Laser-assisted negative ion production in caesium sputter ion source

Speaker

Akbar HOSSAIN