

Session Program

2-7 Oct 2022

nibs22



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

Poster session 1

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

Tuesday 4 October

17:30

Poster session 1

Session

17:30-17:35

Summary of caesium evaporation and deposition during SPIDER's first campaign

Speaker

Michele FADONE

17:35-17:40

Effect of plasma grid and bias plate biasing on the SPIDER negative ion beam

Speaker

matteo AGOSTINI

17:40-17:45

Comparison among possible design solutions for the Stray Field Shielding System of the DTT Neutral Beam Injector

Speaker

Fabio VERONESE

17:45-17:50

Study on the stitching method of beam target infrared image based on local transformation

Speakers

Dr yongjian XU, Ms liping CHEN

17:55-18:00

Design and test of a module of a breathable Electrostatic Shield for the MITICA 1 MV negative Ion Beam Source

Speaker

Giuseppe CHITARIN

18:00-18:05

Investigations on Cs dispersion and Mo coating on SPIDER components

Speakers

Ms Caterina CAVALLINI, Ms Valentina CANDELA

18:05-18:10

Study and development of diagnostic systems to characterise the extraction region in SPIDER

Speaker

Beatrice SEGALINI

18:10-18:15

Optimization of a negative oxygen ion beam

Speaker

Jia HAN

18:15-18:20

Observation of beamlet displacement and parallelism in NIO1

Speakers

Margherita UGOLETTI, Marco CAVENAGO

18:20-18:25

Numerical and experimental investigations of a microwave interferometer for the negative ion source SPIDER**Speaker**

Dr Riccardo AGNELLO

18:25-18:30

Drift and non-uniformity mitigation in H- source with Plasma Ion Funnel**Speaker**

Vincenzo VARIALE

18:30-18:35

Direct current measurements of the SPIDER beam: a comparison to existing beam diagnostics**Speaker**

Alastair SHEPHERD

18:35-18:40

Three-dimensional calculations of the inductive coupling between radio-frequency waves and plasma in the drivers of the SPIDER device**Speaker**

Daniel LÓPEZ-BRUNA

18:40-18:45

Influence of different magnetic configurations on plasma parameters in SPIDER device**Speaker**

Roman ZAGORSKI

18:45-18:50

Numerical study of the plasma meniscus shape and beam optics in RF negative ion sources**Speaker**

Mr Katsuya HAYASHI

18:50-18:55

Creating negative ion beams from neutral gases using a negative Hydrogen ion source**Speaker**

Andrew PAUL

18:55-19:00

Continuous pulse advances in the negative ion source NIO1**Speaker**

Dr Marco BARBISAN

19:00-19:05

Development of a Negative Helium Ion Source with Non-Metallic Charge Exchange**Speaker**

Philip JACKLE

19:30