

## **Session Program**

**4-8 Sept 2023**



## **Joint Annual Meeting of the Swiss and Austrian Physical Society 2023**

***Applied Physics and Plasma Physics***

# Friday 8 September

12:00

## Applied Physics and Plasma Physics: (combined session)

Session | Location: Room 114

12:00–12:15

### 【952】 Structured matter based ultrasound sensing

#### Speaker

Dorian Brandmüller

12:15–12:30

### 【953】 Reaction-Diffusion PDE-based framework for tomographic inversions of Tokamak data

#### Speaker

Daniele Hamm

12:30–12:45

### 【954】 Determination of Nitrogen Concentrations in Fusion Plasmas from Filtered Camera Images

#### Speaker

Emanuel Huett

12:45–13:00

### 【955】 Recent improvements in the infrared thermography diagnostic on TCV

#### Speaker

Martim Zurita

13:00–13:15

### 【956】 Automated steering angle optimization of electron cyclotron heating for fusion plasmas using TORBEAM

#### Speaker

Antonia Frank

13:15–13:30

### 【957】 Comparing Problem Formulations and Solution Methods for the Grad-Shafranov Equation in the MEQ Suite

#### Speaker

Cosmas Heiss

13:30–13:45

### 【958】 Low Momentum Diffusivity Regime in the Toroidal Plasmas

#### Speaker

Haomin Sun

13:45–14:00

### 【959】 Suprathreshold ion transport in complex magnetic geometries on the toroidal plasma experiment TORPEX

#### Speaker

Cyrille Sepulchre

14:00