

## **47th EPS Plasma Physics Conference**

You can find all the information here: <https://epsplasma2020.eu/>

### **Topics**

#### **Magnetic Confinement Fusion Plasma**

- Edge and plasma-wall interactions
- Turbulence and transport
- Equilibrium and MHD
- Scenario development and control
- Diagnostics
- Heating and fuelling
- Burning plasma issues

#### **Beam Plasmas & Inertial Fusion**

- Inertial confinement fusion
- Hydrodynamics and instabilities in laser plasmas
- High energy density plasmas
- Laser and particle beam interaction with plasmas
- Laser and plasma based radiation and particle sources
- Ultra-intense laser interaction
- High field physics: theory and experiments

#### **Low Temperature and Dusty Plasmas**

- Discharge modelling
- Plasma kinetics
- Diagnostics (including LIBS)
- Plasma processing and applications
- Basic processes in dusty plasmas
- Strongly coupled plasmas

#### **Basic, Space & Astrophysical Plasmas**

- Solar, space and astrophysical plasmas
- Laboratory astrophysics
- Fundamental plasma physics
- Waves and turbulence in laboratory plasmas

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