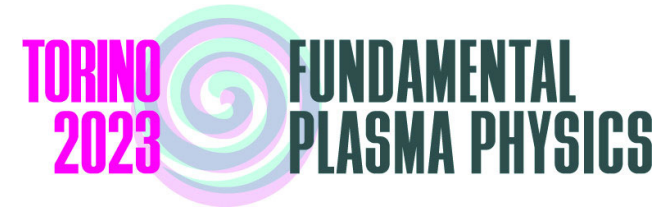


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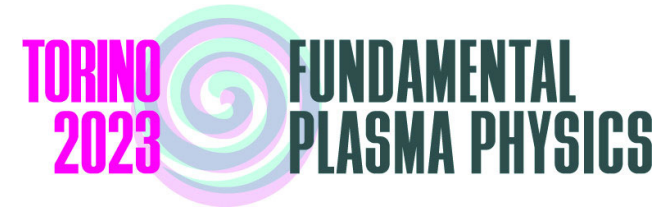


Wednesday 21 June - Morning

8:00	<i>Registration opens at Castello del Valentino</i>	
8:45	<i>Welcome – Franco Porcelli</i>	
9:00 – 9:30	● Luca Garzotti (UKAEA Culham Lab, UK)	Overview of physics results from the deuterium-tritium DTE2 campaign on JET
9:30 – 10:00	● Gabriele Grittani (ELI-Beamlines, Czech Republic)	Laser plasma electron acceleration at ELI-Beamlines
10:00 - 10:30	● Luis L. Alves (Instituto de Plasmas e Fusao Nuclear, Portugal)	Making a case for open-source codes: the example of the LisbOn Kinetics tool
10:30 - 11:00	● Daniela Grasso (Institute of Complex Systems, CNR, Italy)	Magnetic and fluid instabilities effects on collisionless plasma turbulence
11:00 – 11:30	<i>Coffee break</i>	
11:30 - 12:00	● Kunioki Mima (Osaka University, Japan)	Laser Plasma Physics for Fast Ignition
12:00 - 12:30	● Olga Alexandrova (LEISA Observatoire de Paris, France)	Coherent structures from MHD to kinetic scales in solar wind turbulence at 0.17 and 1 au
12:30 - 13:00	● Omar Biondo (University of Antwerpen, Belgium)	Towards a fundamental understanding of energyefficient, plasma-based CO2 conversion
13:00 - 14:00	<i>Lunch Break – Sala delle Colonne, Castello del Valentino</i>	

● Magnetic fusion ● Low temperature plasma ● Nonlinear plasma dynamics ● Laser plasma + inertial fusion ● Plasma astrophysics and space ● Complex plasmas, new emerging plasma topics, QED

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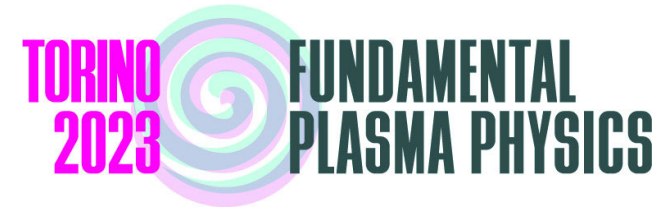


Wednesday 21 June - Afternoon/Evening

14:00 – 14:30	<i>Opening Ceremony, with Paolo Fino, Director of the Department of Applied Science and Technology Politecnico di Torino; Bruno Panella, Emeritus of Nuclear Energy Engineering, Politecnico di Torino; Stefano Lo Russo, Mayor of Torino</i>	
14:30 - 15:00	● Philippa Browning (Manchester University, UK)	From kink instability to magnetic reconnection to oscillations in solar flares
15:00 - 15:30	● Boris Breizman (University of Texas, USA)	Magnetic Nozzle: Plasma Acceleration and Detachment Scenario
15:30 – 16:00	<i>Coffee break</i>	
16:00 - 16:30	● Tommaso Andreussi (Sant'Anna School of Advanced Studies & University of Pisa, Italy)	Air-breathing electric propulsion and the BREATHE project
16:30 - 17:00	● Amita Das (Indian Inst. of Technology, India)	Collective Dynamics in dusty plasma and dust particle clusters
17:00 - 17:30	● Thierry Passot (Université Côte d'Azur, France)	Simulations of turbulence and reconnection with a 2-field gyrofluid model
18:00 - 19:30	<i>Welcome party with buffet dinner, Castello del Valentino</i>	
	<i>Guided tour of Castello del Valentino (two groups, approx 30 minutes per group)</i>	
20:00 - 20:30	● Raffaele Marino (Ecole Centrale de Lyon, France)	Evolution of space plasma turbulence in the inner heliosphere
20:30 - 21:00	● Patric Muggli (Max-Planck-Institut für Physik, Germany)	Beam-plasma interactions for particle acceleration and basic studies at AWAKE

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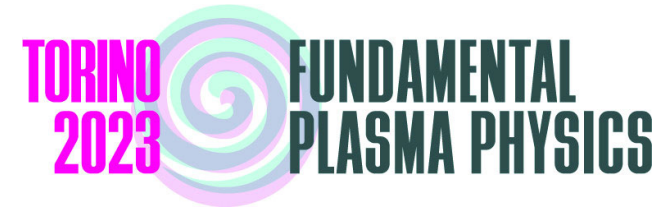


Thursday 22 June - Morning







9:00 - 9:30	● Richard Fitzpatrick (University of Texas, USA)	Multi-harmonic Rutherford island theory
9:30 - 10:00	● Wenchao Yan (Shanghai Jiao Tong University, China)	High-Field Physics Related to LWFA on DualBeam Ultrafast High-Power Lasers
10:00 - 10:30	● Philippe Guittienne (EPFL, Switzerland)	Two-fluid solutions for Langmuir probes in collisionless and isothermal plasma, over all space and bias potential
10:30 - 11:00	<i>Coffee break</i>	
11:00 - 11:30	● Giovanni Lapenta (KU Leuven, Belgium)	New approaches to connecting fluid and kinetic models based on implicit time discretization and machine learning
11:30 - 12:00	● Katsuyoshi Tsumori (National Institute for Fusion Studies, Japan)	Highly Electronegative Plasmas Formed in a Negative Ion Source for NBI
12:00 - 12:30	● Damiano Caprioli (University of Chicago, USA)	New Developments in Shock Acceleration Simulations and Theory
12:30 - 13:30	<i>Lunch Break – Sala delle Colonne, Castello del Valentino</i>	
13:30 - 14:30	Poster session – Sala delle Colonne, Castello del Valentino	

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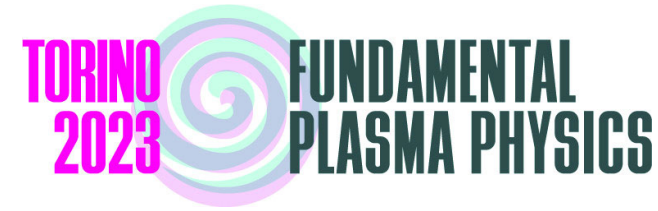


Thursday 22 June - Afternoon

14:30 - 15:00	 Sergei Bulanov (ELI-Beamlines, Czech Republic)	Gamma Ray Flash Generation in the Extreme Power Laser-Matter Interaction
15:00 - 15:30	 Lorenzo Ibba (EPFL, Switzerland)	E-FISH: A Diagnostic for Spatially and Temporally Resolved E-Field Characterization in Low Temperature Plasma Discharges
15:30 - 16:00	 Colby Haggerthy (University of Hawaii, USA)	Hydrodynamic Shock Modifications by the Heat Flux of Non-Thermal Particles
16:00 - 16:30	<i>Coffee break</i>	
16:30 - 17:00	 Philip Morrison (University fo Texas, USA)	Regarding the general metriplectic formalism for describing dissipation and its computational uses
17:00 - 17:30	 Vasily Kiptily (JET Joint Undertaking, UK)	Observation of fusion-bone alpha particles in Joint European Torus
17:30 - 18:00	 Sabrina Grassini/Emma Angelini (Politecnico di Torino, Italy)	Low-temperature plasma technology for Cultural Heritage safeguard
20:00	<i>Social dinner</i>	

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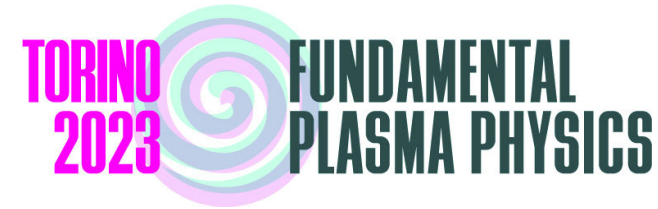


Friday 23 June - Morning

9:00 - 9:30	● Svetlana Starikovskaia (Ecole Polytechnique, France)	Nanosecond pulsed plasma: kinetics and applications
9:30 - 10:00	● V. Ravishankar (Indian Institute of Technology, India)	Streaming instabilities in Yang Mills system
10:00 - 10:30	● Lars-Goran Eriksson (Chalmers University of Technology, Sweden)	On the physics and modelling of the interaction between RF waves and resonating ions in tokamaks
10:30 - 11:00	<i>Coffee break</i>	
11:00 - 11:30	● Francesco Valentini (Università della Calabria, Italy)	The numerical support to the Plasma Observatory ESA M7 candidate mission
11:30 - 12:00	● Takayoshi Sano (Osaka University, Japan)	Relativistic wave-particle interaction under a strong magnetic field
12:00 - 12:30	● Magali Muraglia (Aix-Marseille Université, France)	Multi-scales physics of magnetic reconnection in hot plasmas
12:30	<i>Lunch Break - Sala delle Colonne, Castello del Valentino</i>	

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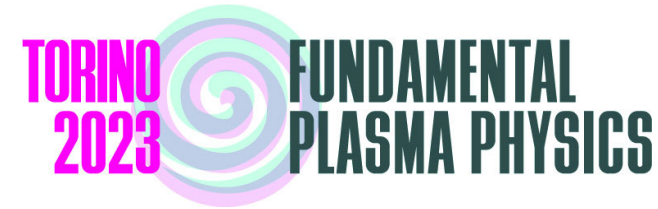


Friday 23 June - Afternoon

14:00 - 14:30	● Francois Waelbroeck (University of Texas, USA)	Compressible theory of unmagnetized islands in inhomogeneous plasma
14:30 - 15:00	● Jiang Fuh Ong (ELI-Nuclear Physics, Romania)	The interaction of ultraintense short laser pulse with nanostructured target
15:00 - 15:30	● Stéphane Mazouffre (Institut de Combustion Aerothermique, CNRS, France)	Study on the ion velocity distribution function in the magnetized plasma of electric thrusters
15:30 - 16:00	<i>Coffee break</i>	
16:00 - 16:30	● Lorenzo Sironi (Columbia University, USA)	Fast and furious: reconnection-powered emission in black hole jets and coronae
16:30 - 17:00	● Gerard van Rooij (Maastrich University, Netherlands)	Non-equilibrium Plasma for a Green Process Industry
17:00 - 17:30	● Liming Chen (Shanghai Jiao Tong University, China)	Ultrahigh Charge Electron Acceleration for Nuclear Applications
17:30 - 19:00	Closing session – Round Table Discussion – Moderator: Franco Porcelli Panelists: Stéphane Mazouffre, Giovanni Lapenta, Fulvio Militello and Kunioki Mima	

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Poster Session



Thursday 22 June at 13:30

P1	Subramanya Bhat (Indian Institute of Technology, Delhi)	Particle Drifts in the background of Classical YangMills Fields
P2	Fulvio Militello (UKAEA)	Asymmetries in Tokamak's boundary plasmas and divertor design
P3	Leila Es Sebar (Politecnico di Torino)	Cleaning and protection by plasma technology of Portuguese oolitic limestone of Batalha Monastery in Portugal
P4	Leonardo Iannucci (Politecnico di Torino)	Plasma technology for corrosion protection of metals
P5	Zheng Chen (Univ. of Science and Technology of China)	The distribution of halo current using the Hodge decomposition of eddy currents on the Keda Torus eXperiment device
P6	Debabrata Banerjee (Politecnico di Torino)	Axi-symmetric modes in Straight Tokamak
P7	Ivo Furno (Ecole Polytechnique Federale de Lausanne)	Low-temperature plasmas for biological applications
P8	Luca Orusa (Università degli Studi di Torino)	Fast particle acceleration in 3D hybrid simulations of quasi-perpendicular shocks
P9	Anna Perona (Istituto dei Sistemi Complessi - CNR and Politecnico di Torino)	Electron dynamics and coherent structures in stochastic magnetic reconnection
P10	Lovepreet Singh (Politecnico di Torino)	Runaway Electron driven Magnetic reconnection
P11	Isabella Sannino (Politecnico di Torino)	Protection of Silver-based Alloys from Tarnishing by means of PECVD Coatings