

January 29				
11:00	11:30	Opening		Title
11:30	12:15	Introduction	Resta	Topology in Condensed Matter Physics
12:15	13:00		Graf	Adiabatic charge pumps and Galilei covariance
13:00	14:30	Lunch		
14:30	15:00	Topology , Magnetism and Ferroelectricity	Panaccione	Magnetism and Topology as seen by Synchrotron Radiation spectroscopies
15:00	15:30		Tomaseo	Magnetic Skyrmions: topology, properties, and spintronic applications
15:30	16:00		Falsi	Spontaneous topological domain patterns in ferroelectric KTN:Li
16:00	16:30	Coffee break		
16:30	17:00	Electromagnetic and Photonics Topological properties	Lupi	Electrodynamics of Topological Materials
17:00	17:30		Conti	Some topological photonics
17:30	18:00		Macis	Infrared Plasmons in Topological Materials
18:00	18:30		Pilozzi	Quantum walks in photonic lattices via non-Abelian Thouless pumping
18:30	19:00		Alu	Topological Insulators for Light and Sound
January 30				
9:00	9:30	Topological Materials	Pulci	Transitions in Xenon between excitonic, topological and trivial insulator phases: influence of screening, band dispersion and external electric field
9:30	10:00		Salvato	Moiré stripes on the surface of Topological Insulator thin films and nanobelts
10:00	10:30		Molle	Physical Synthesis of Topological Materials at the 2D and 3D Level
10:30	11:00		Bauch	DC and microwave transport properties of TI nanoribbon-superconductor hybrid junctions
11:00	11:30	Coffee break		
11:30	12:00	Electromagnetic and Photonics Topological properties	Perucchi	Terahertz saturable absorption from relativistic high-temperature thermodynamics in black phosphorus
12:00	12:30		Tomarchio	Photo-induced surface currents and polaronic formation in Co <sub>2</sub> MnGa Topological semimetal
12:30	13:00	Lunch	Mosesso	Evidence of high electron mobility in magnetic Kagome metal FeSn Thin Films
13:00	14:30			
14:30	15:00	Superconductivity and Topology	Van Heck	Topology and protection in superconducting qubits
15:00	15:30		Venditti	2D superconductors: BKT physics vs inhomogeneities
15:30	16:00		Citro	A novel platform for topological superconductivity in multiband and multi-orbital systems
16:00	16:30		Perali	High-Tc Berezinskii-Kosterlitz-Thouless transition in 2D superconductors with coupled deep and quasi-flat bands with van Hove singularities
16:30	17:00		Oh	Hybrid topological superconductors: toward an optimal platform for topological quantum computation
17:00	17:30	Coffee Break		
17:30	18:00	Topological Orders	Dell'Anna	Topological order and dynamics in long-range Kitaev chains
18:00	18:30		Raimondi	Semiclassical kinetic theory for systems with non-trivial quantum geometry
18:30	19:00		Crippa	Non-Hermitian Topology in Strongly Correlated Electron Systems: The role of Spontaneous Symmetry Breaking
20:00	22:00	Social Dinner		
January 31				
9:30	10:00	Topological Orders	Taddei	Corner states in polygons of two-dimensional second-order topological insulators: features and transport
10:00	10:30	Superconductivity and Topology	Arouca	Topological superconductivity enhanced by exceptional points
10:30	11:00		Brosco	Unconventional superconducting quantum devices
11:00	11:30		Peotta	Superfluidity in a flat band: from the quantum metric to the minimal quantum metric
11:30	12:00	Coffee break		
12:00	12:30	Electronic Transport and Topology	Marcelli	Transport coefficients in quantum spin Hall systems and their relation with spin-Chern numbers
12:30	13:00		Giuliani	Universality of the critical conductivity of the Haldane-Hubbard model
13:00	14:30	Lunch		
14:30	15:00	Electronic Transport and Topology	Villani	Giant piezoelectricity driven by Thouless pump in conjugated polymers
15:00	15:30		Panati	Wannier localizability as a tool to distinguish ordinary and topological non-periodic insulators
15:30	16:00		Baroni	Chemistry meets topology: what atomic oxidation states are all about
16:00	16:30	Topology and Art	Emmer	Topology, Art, Architecture: New forms
16:30	17:00	Closing Remarks		