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Città di Caserta

25th INTERNATIONAL CONFERENCE ON SPECTRAL LINE SHAPES

June 19-24, 2022, San Leucio, Caserta, Italy

Organized by the Department of Mathematics and Physics, University of Campania Luigi Vanvitelli, the conference covers a broad range of topics related to spectral line shape studies, including: line shapes of atomic and molecular transitions in neutral gaseous mixtures; applications to fundamental metrology; single- and multi-photon ionisation processes; high and low temperature plasmas; clusters and helium droplets; nanophotonic processes; spectroscopy of stellar atmospheres and interstellar media; spectroscopy of planetary atmospheres and exoplanets; cold atoms and molecules; collision-induced spectra; processes in laser fields; innovative techniques of line shape applications for diagnostic purposes and fundamental studies with narrow optical resonances, along with applications in e.g., industrial, environmental, medical and all other potential domains of interest.

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