

Thursday, June 12, 2025

ATOMIC PARAMETERS AND SPECTRAL LINE SHAPES

Chair: **E. Stambulchik**

9:00 - 9:30	Gabriel Pérez-Callejo, Spain	Stark broadening in solid-density plasmas: A computational approach
9:30 - 9:50	Milan S. Dimitrijević, Serbia	On the Stark broadening of Sn III spectral lines
9:50 - 10:10	Vladimir Srećković, Serbia	Rydberg atoms in astrophysical plasmas: Modeling and data resources
10:10 - 10:30	Magdalena Christova, Bulgaria	Analysis of Stark broadening parameters of N II spectral lines
10:30 - 10:50	Felix Iacob, Romania	Calculation of the electron cation dissociative recombination cross section in interstellar media
11:00 - 11:30	Coffee break	

SPECTRAL LINE PHENOMENA IN EXTRAGALACTIC OBJECTS

Chair: **D. Chelouche**

11:30 - 12:00	Avinanda Chakraborty, Italy	Spectral energy distribution modeling of broad emission line quasars: from x-ray to radio
12:00 - 12:20	Arina Arshinova, Russia	Green bean galaxies and the fading echoes of AGN activity
12:20 - 12:40	Milena Jovanović, Serbia	Spectroscopic analysis of specific angular momentum in disk galaxies
12:40 - 13:00	Victor Manuel Patiño Alvarez, Mexico	The Baldwin effect and the Mg II - 3000 Å luminosity relation in blazars.
13:00 - 15:00	Lunch break	

SPECTRAL LINE PHENOMENA IN EXTRAGALACTIC OBJECTS

Chair: **D. Ilić**

15:00 - 15:30	Federica Bianco, USA	Together we are stronger: synergies in astrophysics and AI to advance our understanding of the Universe
15:30 - 15:50	Maria S. Kirsanova, Russia	Investigating the origin and transport of water in the universe using submillimeter and millimeter spectral Lines
15:50 - 16:10	Benedetta Dalla Barba, Italy	Interaction of the relativistic jet and the narrow-line region of PMN J0948+0022

16:10 - 16:30	Alfredo Amador-Portes, Mexico	Exploring the broad-line region of PKS 1510-089: jet contributions and mass estimation
16:30 - 17:00	Coffee break	

SPECTRAL LINE SHAPES IN DIFFERENT SPACE CONDITIONS

Chair: **E. Bon**

17:00 - 17:20	Paola Marziani, Italy	Evidence for a stratified accretion disk wind in AGN
17:20 - 17:40	Nataša Bon, Serbia	Tracing super massive black hole candidates via the main sequence of quasars
17:40 - 18:00	Milica Anđelić, Serbia	X-ray spectroscopy of filaments in Cygnus Loop supernova remnant
18:00 - 18:20	Daniele Tagliacozzo, Italy	Expanding SKIRT's capabilities: X-ray radiative transfer in partially ionized media
18:00 - 22:00	Conference dinner	