

**IV Meeting on Astrophysical Spectroscopy - A&M DATA - Atmosphere  
(AsSpectro2022)  
May 30 to June 2, 2022**

**PROGRAMME**

**30. 05. 2022, Monday**

14:00-17:30 Arrival and registration

17:30-18:00 Opening ceremony

18:00-18:30 M. S. Dimitrijević: Review talk on History of conference (Plenary IL)

18:30-19:00 Darko Jevremović: A brief history of Serbian involvement in LSST (Plenary IL)

19:00-20:00 Welcome cocktail

**31. 05. 2022, Tuesday**

11:00-11:30 M. D. Christova, M. S. Dimitrijević: Stark broadening of Si II spectral lines: comparison with experimental results (IL)

11:30-12:00 Jelena B. Maljković, Jelena Vukalović, Zoran Pešić, F. Blanco , G. García and Bratislav P. Marinković: Absolute differential cross section for elastic electron scattering from halothane molecule at 50 eV (IL)

12:00-12:30 Lamia Abu El Maati, Mahmoud Ahmad, I. S. Mahmoud, Sahar G. Tawfik, Najah Alwadii, Nabil Ben Nessib and Milan S. Dimitrijević: Atomic structure and transition parameters of the V XVIII carbon-like ion (IL)

12:30-13:00 S. Dujko, Danko Bošnjaković, Ilija Simonović and Zoran Lj. Petrović Collisional and transport processes of low-energy positrons in molecular hydrogen (IL)

13:00-15:00 Lunch

**15:00-15:15 Bratislav P. Marinković, Stefan Ivanović and Zoran Mijić: Data analysis on Serbian participation in COST Actions: Celebrating 50 years of research networks (Mini-project COST) (PR)**

**15:15-15:30 Zoran Mijić, Bratislav P. Marinković: Statistics of management committee members from Serbia in COST actions (Mini-project COST) (PR)**

**15:30-16:30 Poster session**

**16:30-18:00 Work in Sections (Mini-projects) 1-6**

## **01. 06. 2022, Wednesday**

**10:00-10:30 Slavica Malinović-Miličević: Clear-sky spectral UV radiation modeling (IL)**

**10:30-11:00 Oleg R. Odalović: GNSS signals as a tool for detection of the influence of solar radiation of terrestrial ionosphere (Plenary IL)**

**11:00-11:30 Ljiljana M. Brajović and Miodrag Malović: Gravity satellite missions measurement data for atmospheric density estimation (IL)**

**11:30-12:00 Mihailo Savić, Nikola Veselinović, Aleksandar Dragić, Dimitrije Maletić, Dejan Joković, Vladimir Udovičić, Radomir Banjanac, David Knežević: The study of atmospheric effects on cosmic ray muons in the Low Background Laboratory for Nuclear Physics at the Institute of Physics Belgrade (IL)**

**12:00-12:30 Aleksandra Kolarski: Numerical simulations of subionospheric VLF propagation under influence of moderate Solar X-ray flare events (IL)**

**12:30-13:00 Saša Topić, and Zoran D. Grujić: Laser spectroscopy and magnetic resonance atomic magnetometry in search for dark matter: New bounds on Axion like dark matter from GNOME network of OPM's (IL)**

**13:00-15:00 Lunch**

**15:00-15:30 Discussion**

**15:30-16:00 Work in Sections (Mini-projects) 1-6**

**20:00 Conference dinner**

## **02. 06. 2022, Thursday**

**10:00-10:30 Maja Kuzmanoski, Luka Ilić and Slobodan Ničković: Spatial variability of mineral dust single scattering albedo based on DREAM model (IL)**

**10:30-11:00 Zoran Mijić, Maja Kuzmanoski, Luka Ilić, Aleksander Kovačević, Darko Vasiljević: Review of atmospheric aerosol optical properties profiling and activities of lidar station in Serbia (IL)**

**11:00-11:15 Aleksandra Kolarski: Monitoring effects of low intensity X-ray Solar flares from 23/24 Solar cycle minimum on VLF signals recorded in Belgrade (PR)**

**11:15-12:15 Scientific committee meeting**

**12:15 Closing Ceremony**

**13:00-15:00 Lunch**

### **Sections (Mini-projects) :**

**S1 Radiative Processes and Spectra**

**S2 Spectral line profiles in stellar and laboratory plasmas**

**S3 A&M DATA and HPC**

**S4 A&M DATA and standards**

**S5 Modeling the Atmosphere: data&models**

**S6 COST**