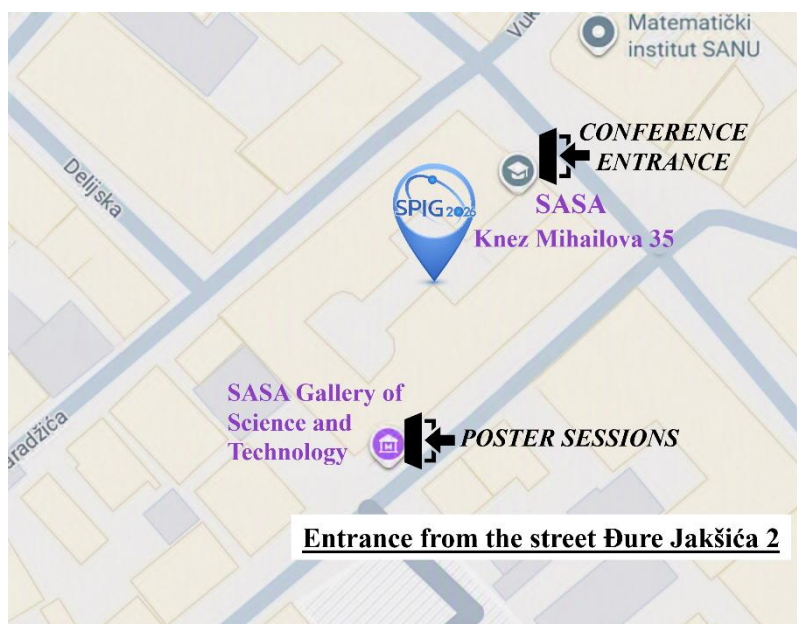


POSTER SESSIONS

Posters will be presented in two Sessions, *in the SASA Gallery of Science and Technology* (entrance from the street Đure Jakšića 2, see map below).

Please note that the maximum poster size is A1 portrait, with dimensions of 59 cm in width and 84 cm in height.



POSTER SESSION 1, Wednesday, 17:30 – 19:00

Posters: 1.1 – 1.9; 2.1– 2.5; 3.1 – 3.14

1. ATOMIC COLLISION PROCESSES

- 1.1. Bratislav P. Marinković, Jelena B. Maljković and Jozo J. Jureta
Studies of Autoionizing States in Molecular Nitrogen at 302.25 eV of Electron Incident Energy
- 1.2. Bogdan Popović, Tiberiu Minea, Thomas Thuillier, and Adrien Revel
Ion Generation in Electron Cyclotron Resonance Ion Sources (ECRIS)
- 1.3. Nikoleta Vojinović and Goran B. Poparić
Relative Partial Cross-Sections for Electron Impact Ionization of CO₂
- 1.4. Zoran Lj. Petrović, Vladimir Stojanović, Ilija Stefanović, Ivan Petraš, Jasmina Jovanović and Dragana Marić
A Set of Cross Sections for H₃O⁺ Ions in H₂O
- 1.5. Jelena Vukalović, Jelena Maljković, Nenad Simonović, Shruti Sarswat, Jobin Jose and Himadri S. Chakraborty
Electron Diffraction from the Methane Molecule
- 1.6. Sanja Tošić, Vladimir A. Srećković and Veljko Vujčić
Hydrogen Migration and Metastable Dynamics in Electronically Excited Methanimine
- 1.7. Sanja Tošić, Vladimir A. Srećković and Veljko Vujčić
Energy-Dependent Rearrangement Pathways in Excited CH₂NH
- 1.8. Jelena B. Maljković, Jelena Vukalović, Bratislav P. Marinković, Vladimir Srećković, Hristina Delibašić-Marković, Sanja Tošić and Violeta Petrović
Fundamental Collision Processes in Atomic and Molecular Systems: Integrating Experiment, Theory, and Numerical Modelling within the ATMOLCOL Project
- 1.9. Jelena Vukalović, Bratislav P. Marinković, Francisco Blanco, Gustavo Garcia and Jelena B. Maljković
Elastic Electron Scattering from Gas-Phase Inhalation Anaesthetic Molecules

2. PARTICLE AND LASER BEAM INTERACTIONS WITH SOLIDS

- 2.1. Milivoje Hadžijojić, Marko Ćosić, and Ruslan Rymzhanov
A Study of Twisted Bilayer Graphene via Proton Rainbow Scattering
- 2.2. S. M. D. Galijaš, V. Milosavljević and G. B. Poparić
Non-Linear Phenomena of the Electron State Evolution in the Ion-Surface System
- 2.3. Ivan Radović, Lazar Karbunar, Vito Despoja and Zoran L. Mišković
Phonon-Induced Wake Potential in a Graphene-hBN-Graphene Heterostructure
- 2.4. Nikola Starčević and Srđan Petrović
Ion Beam Analysis Using Rainbow Scattering in Channeling
- 2.5. N. A. Bosak, A. N. Chumakov, L. V. Baran, V. V. Malyutina-Bronskaya, A. A. Shevchenok, A. V. Buka, A. S. Kuzmitskaya and N. V. Podvitsky
Optical and Electrical Properties LaMnO₃+1%Er₂O₃ Films

3. LOW TEMPERATURE PLASMAS

- 3.1. Dušan K. Božanić, Gustavo A. Garcia, Jelena Pajović, Željko Šljivančanin, Vladimir Djoković and Laurent Nahon
Photoelectron Attenuation Circular Dichroism Observed on Isolated Tryptophan Functionalized Gold Nanoparticles
- 3.2. Pierre Mathieu, Michael K. T. Mo, Masaru Hori and Nikolay Britun
Electric Field Behaviour in the Burst Regime of a Repeatable Nanosecond He-Based Atmospheric Discharge
- 3.3. Vladimir Gavrilović, Biljana D. Stankov and Miroslav Kuzmanović
Temporal Evolution of Spectral Lines in TEA CO₂ Laser-Induced Graphite Plasma
- 3.4. Jovica Jovović
The Spectroscopic Diagnostics of Low Pressure Pulsed Discharge: A Review
- 3.5. Violeta Lazic and Biljana Stankov
Detection of Explosives in Traces by Laser Induced Shockwaves and Plasma Spectroscopy
- 3.6. Aleksandra Šajić, Dragan Ranković, Miroslav Ristić, Milica Marković and Miroslav Kuzmanović
Signal Enhancement in LIBS Analysis of Glass Using Copper Thin Film Coating
- 3.7. N. Krstevski, A. Šajić, M. Marković, S. Tomić, M. Ristić and M. Kuzmanović
Different Models for Ionization Potential Lowering in Argon Plasma
- 3.8. Goran B. Sretenović, Vesna V. Kovačević, Ognjen Grkinić, Bratislav M. Obradović, Ivan B. Krstić, Milorad M. Kuraica and Predrag Ranitović
Spectroscopic Study of a Plasma Channel Produced by a Femtosecond Laser in Argon
- 3.9. Leanid Simonchik and Maxim Usachonak
Determination of Electron Concentration in Pulsed Discharges Using Microwave Radiation Transmission Through Waveguides with Periodic Structures
- 3.10. Nikola Vujadinović, Ivan Traparić, Biljana D. Stankov, Dragan Ranković, Alexandru Anghel, Corneliu Porosnicu, Ion Mihailescu, Miroslav Kuzmanović & Milivoje Ivković
Application of Microwave-Induced Plasma for Hydrogen Isotope Detection Studies
- 3.11. Maja S. Rabasovic, Dragana M. Pavlovic, Dragutin Sevic and Bratislav M. Obradovic
Analysis of Indium LIBS Streak Images Using Dimensionality Reduction Techniques
- 3.12. Saša Dujko, Ilija Simonović, Danko Bošnjaković, Pierre Gourbin and Christoph Köhn
Influence of Solar Activity on the Temporal and Spatial Development of Sprite Streamers
- 3.13. V. V. Kovačević, G. B. Sretenović, N. Bonifaci, C. Pichard, C. Cachoncinlle, A. Khacef and S. Iséni
Inception Dynamics and Electric Field of an Electrodeless Double-Headed Streamer at Atmospheric Pressure
- 3.14. Jelena Marjanović, Dragana Marić and Zoran Lj. Petrović
Effective Ionization Coefficient and Secondary Electron Emission in HFO-1234yf and HFO-1234ze(E)

POSTER SESSION 2, Thursday, 17:40 – 19:10

Posters 1.10 – 1.18; 2.6– 2.10; 3.15 – 3.28; 4.1

1. ATOMIC COLLISION PROCESSES

- 1.10. M. Ristić and M. Vojnović
Vibrational Excitation of CO Under Conditions of Electron Cyclotron Resonance
- 1.11. N Velasquez, A Nyborg, H Kaur, O Travnikova, D Céolin, B Winter, M Iannuzzi, E Muchová, F Trinter and T Marchenko
Ultrafast Charge-Transfer-to-Solvent in Aqueous L-Cysteine
- 1.12. Nenad Milojević, Danilo Delibašić, Ivan Mančev, Miloš Milenković and Jelena Arsenijević
Angular Distributions for Single-Electron Capture in Collisions of Fast Protons with Neon
- 1.13. D. Bošnjaković, I. Simonović and S. Dujko
Impact of Initial and Boundary Conditions on Current Waveform Analysis in an Idealized Pulsed-Townsend Experiment
- 1.14. Dušan Belča, Ilija Simonović, Danko Bošnjaković and Saša Dujko
Positron Transport in Neon, Argon, Krypton and Xenon
- 1.15. Dušan Belča, Ilija Simonović, Danko Bošnjaković and Saša Dujko
Electron Transport in Liquid Argon and Xenon Doped with Hydrogen and Deuterium
- 1.16. J. Gardnir, G. J. Boyle, D. L. Muccignat and R. D. White
Monte Carlo and Drift-Diffusion Analysis of The Scanning Drift Tube Experiment
- 1.17. Saša Dujko, Snježana Dupljanin and Zoran Lj. Petrović
Electron Transport in Crossed Electric and Magnetic Fields in C₂H₂F₄
- 1.18. Žarko Mažić, Danko Bošnjaković, Ilija Simonović and Saša Dujko
Transport and Spatial Relaxation of Electrons in an Idealized Steady-State Townsend Experiment in Beryllium and Magnesium Vapours

2. PARTICLE AND LASER BEAM INTERACTIONS WITH SOLIDS

- 2.6. Viacheslav Lychkouski, Alexander Chumakov, Vladimir Rogalin, Yury Khomich, Sergey Mikolutskiy and Viacheslav Zheleznov
Bichromatic Laser Impact Action on Oxygen-Free Copper in Aqueous Medium
- 2.7. Milica Marković, Aleksandra Šajić, Dušan Dimić, Aleksandar Joksimović, Miroslav Kuzmanović
LIBS-Based Evaluation of Thermal Alteration in Pig Bone via C/P Emission Line Ratio: Implications for Forensic Analysis
- 2.8. M. V. Puzyrev, F.F. Komarov, O.V. Milchanin, I.S. Rogovaya and I. N. Parkhomenko
Fabrication of SNO₂/Si Heterostructures Using the Laser-Plasma Deposition Method: Optical and Electronic Properties
- 2.9. Nenad M. Sakan, Biljana Stankov, Vladimir A. Srećković, Veljko Vujčić and Zoran Simić
Heavy-Particle Averaged Pseudopotential for Buffer-Gas-Dominated High Intensity Laser Generated Plasmas: Laser-Energy Scaling and Coulomb Tail Analysis

- 1.19. Nataša Simić and Milivoje Ivković
Graphene Properties Influence on LIBS

3. LOW TEMPERATURE PLASMAS

- 3.15. V. Lj. Marković, S. N. Stamenković and S. S. Đokić
Paschen's Curves for Avalanche-to-Streamer Transition and Multielectron Initiation
- 3.16. Suzana N. Stamenković, Vidosav Lj. Marković and Sanja S. Đokić
Breakdown Probability for Streamer Breakdown Mechanism with Multielectron Initiation
- 3.17. S. S. Đokić, V. Lj. Marković and S. N. Stamenković
Pump-Down and Leak-Up Curves of a Glass Vacuum Chamber
- 3.18. Violeta V Stanković Mališ, Zorica Popović, Sava M D Galijaš and Goran B Poparić
Temporal Development of Vibrational Distribution Function of N_2 in RF Plasma Discharges
- 3.19. S. M. Radenković, G. B. Sretenović, I. B. Krstić, B. M. Obradović, M. M. Kuraica and V. V. Kovačević
Effect of Residual Gap and Packing Material on Discharge Characteristics in a Single Bead Packed DBD Reactor
- 3.20. Ilija Simonović, Danko Bošnjaković and Saša Dujko
Collisions of Streamers in the Mixtures of N_2 and C_3F_8 in the Pin-Pin Electrode Configuration
- 3.21. Nikodin V. Nedić, Nikola V. Ivanović, Ivan R. Videnović and Djordje Spasojević
Spectroscopic Study of a Grimm-Type Glow Discharge with Reversed Order End-On View
- 3.22. Igor Bunin and Irina Khabarova
Structural Degradation and Electrokinetic Property Changes of Spodumene Crystals via Atmospheric-Pressure DBD Plasma Treatment
- 3.23. Thea Ferley and Vladimir Milosavljević
Gas-Dependent Surface Modification of Carbon Thin Films in a Pulse Resonance Plasma System
- 3.24. James Lalor and Vladimir Milosavljević
Thermal Response of Electrically Dissimilar Mesh Surfaces Under Atmospheric Pressure Plasma Jets in Gaseous Environments
- 3.25. Veronika Lyushkevich, Irina Filatova, Svetlana Goncharik, Aliaksandra Kazak, Igor Ovchinnikov, Helen Nedved and Anastasia Fedorenchik
Effect of Cold Plasma Treatment on Enzymatic Activity and Microbiota of Technogenically Disturbed Soil
- 3.26. Alena Nevar, Aleksandra Shumejko, Vasilii Kiris, Mikhail Nedel'ko, Srabanti Ghosh and Nikolai Tarasenko
Plasma Synthesis of Ternary Metal Oxide Semiconductor Nanostructures for H_2 Generation by Water Splitting
- 3.27. Juš Polanšek, Luka Cvelbar and Uroš Cvelbar
Construction and Characterization of an Air Ionic Wind Plasma Thruster
- 3.28. B. Z. Djordjević, C. Benedetti, A. D. McNaughton, R. Lehe, H.-E. Tsai, S. C. Wilks, B. A. Reagan, G. J. Williams, J. van Tilborg, C. B. Schroeder, E. Esarey, and W. P. Leemans
Effects of Ultrashort Laser Pulse Shaping in Laser-Wakefield Acceleration

4. GENERAL PLASMAS

- 4.1 Jelena Kovačević-Dojčinović, Ivan Dojčinović and Luka Č. Popović
The FeII Emission Lines in Spectra of Active Galactic Nuclei: Searching for Signatures of Atomic Processes.