

7th Young Scientist Festival of Division of Experimental Physics 2023

Wednesday 19 April 2023

Student talks: Student talks 1 - 3rd wing lecture hall (10:00 - 12:00)

-Conveners: Budimir Klicek

time	[id] title	presenter
10:00	[1] Quantum communication experiments with entangled photon pairs	PERANIĆ, Matej
10:25	[2] Diamond: the devil is in the defects	CRNJAC, Andreo
10:50	Cofee break	
11:10	[17] Multinucleon transfer reactions in $^{206}\text{Pb} + ^{118}\text{Sn}$ studied with the PRISMA spectrometer	DIKLIC, Josipa
11:35	[4] Multitracer analysis of the LOFAR Two-Metre Sky Survey data	ERCEG, Ana

Student talks: Student talks 2 - 3rd wing lecture hall (13:30 - 15:55)

-Conveners: Vuko Brigljevic

time	[id] title	presenter
13:30	[5] Clustering in neutron-rich Be and B isotopes	VUKMAN, Nikola
13:55	[6] Studying nuclear materials with ion beam irradiation	DUNATOV, Toni
14:20	Cofee break	
14:40	[7] Neutron Activation Analysis: Associated Alpha Particle Technique	BATUR, Josip
15:05	[8] Higgs as a tool for discovering new physics at the LHC	ROGULJIC, Matej
15:30	[9] Study of semiconducting detectors using Ion Beam Induced Charge technique	IVANKOVIĆ, Karla

Thursday 20 April 2023

Student talks: Student talks 3 - 3rd wing lecture hall (10:00 - 12:00)

-Conveners: Iva Bozicevic Mihalic

time	[id] title	presenter
10:00	[15] Carbon sequestration dynamics in the recent marine sediments	VINKOVIĆ, Andrija
10:25	[16] Development of low noise diamond detectors	VICENTIJEVIC, Milan
10:50	Cofee break	
11:10	[18] Periodic variability of Stripe 82 quasar light curves and associated changes in MgII emission line profiles	FATOVIĆ, Marta
11:35	[19] Neutrino interaction cross section measurements with the ENUBET experiment	HALIC, Leon

Student talks: Student talks 4 - 3rd wing lecture hall (13:30 - 15:55)

-Conveners: Tea Mijatovic

time	[id] title	presenter
13:30	[20] Semi-empirical X-ray production cross sections for Heavy Ion PIXE	MASEKANE, Masedi
13:55	[22] Ion beam fabrication and optical characterization of color centers in diamond	MATIJEVIĆ, Matija
14:20	Cofee break	
14:40	[23] Triple Higgs boson production with six bottom quark final state at the Large Hadron Collider	Ms CHITRODA, Bhakti Kanulal
15:05	[24] Carbon (16) in all its glory	SIGMUND, Margareta
15:30	[25] High resolution X-ray spectrometry with focused ion beam	MIOKOVIĆ, Anja