



# Trans-European School of High Energy Physics 2024

## Friday 19 July 2024

### Students projects (14:45 - 19:45)

time	[id] title	presenter
14:45	[46] Spherically Symmetric Solutions Of Cotton Gravity	DIDIDZE, Vitali
14:52	[47] Study on Proton Radius based on Lepton Pair Production in p-p Collision and Electromagnetic Form Factors	KRISHNA, Nikhil
14:59	[55] Quantum control and enhancement of superconducting pairing in one-dimensional Fermi-Hubbard chains	POVITCHAN, Oleksandr
15:06	[56] "Paradoxes" of Quantum Mechanics	KOMPANIETS, Rina
15:13	[58] Strangeness production ( $K^0$ , $\Lambda^0$ ) in diffractive pp collisions on STAR experiment at RHIC accelerator.	WAŁTROBA, Adam
15:20	[59] Development of isotopes for theranostics and nuclear medicine in Ukraine	KADENKO, Viktoriia
15:27	[60] Accelerators in Medicine	TCHIKADZE, Nikoloz
15:34	[62] An Unbinned Angular Analysis of $B^0 \rightarrow K^0 \mu^+ \mu^-$ Decays	WILLIAMS, Zak Owen
15:41	[63] Amplitude Analysis on $\Lambda_c^+ \rightarrow \Sigma^0 \pi^+ \pi^0$	ZENG, Shenghui
15:48	[64] ATLAS Forward Proton Detector Alignment	MROZ, Tomasz Grzegorz
15:55	[65] SIMULATION OF BACKGROUND MUONS FROM COSMIC RAYS	SHARMA, Shreya
16:02	[66] Angular analysis of the $B^0 \rightarrow K^0 e^+ e^-$ decay in the high dilepton invariant mass	YAHYA, Baraa
16:09	[67] USING FREE SOFTWARE TO TEACH MEDICAL PHYSICS STUDENTS	LEBED, Viktoriia
16:16	[68] Influence of Dose Rate and Temperature on Radiation-Induced Segregation	SKOROKHOD, Roman
16:23	[70] Quantum Chromodynamics: A Study of Some Hard Processes	ET-TAHERI, Yassir
16:30	Break	
17:00	[72] FTIR for detection of impurities in NaI(I) , CsI(Tl) and CsI(Na) crystalline scintillators	OSYPOVA, Renata
17:07	[73] Acceleration of YAG:Ce decay time for application in new generation of colliders	PAVLIUCHENKO, Marina
17:14	[74] Track-based alignment of the ATLAS-ALFA detectors	BASHIRI, Saleh BASHIRI, Saleh
17:21	[75] Simulation of diffractive jet production processes in pp collisions at the LHC	STRAKA, Jan
17:28	[93] Simulations for WCTE experiment	HRUBY, Frantisek
17:35	[94] Radar Systems	YEZLOVETSKA, Iryna
17:42	[95] The Mighty Tracker at the LHCb	Mr BOHARE, Abhishek
17:50	Break	
19:00	[48] Summary	