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# The 5th international conference on particle physics and astrophysics

## Thursday 08 October 2020

### Nuclear physics: 1 - Nuclear (11:00-13:00)

-Conveners: Alla Demyanova

time	[id] title	presenter
11:00	[663] Unstable states in dissociation of relativistic nuclei	Dr. ZARUBIN, Pavel
11:15	[765] Double polarisation observables G and E and helicity dependent cross section for single $\pi^0$ photoproduction off proton and neutron at MAMI	Dr. COSTANZA, Susanna
11:30	[621] Simulation and analysis of the properties of linear structures in the mass distribution of nuclear reaction products by machine learning methods	RUDENKO, Mikhail
11:45	[879] Isospin triplet A=14: search for states with enhanced radii	Mr. DANILOV, Andrey
12:00	[883] Search for halo in isobar-analog states	Dr. DEMYANOVA, Alla
12:15	[816] UNDERSTANDING NUCLEAR STABILITY RANGE WITH $A_s \cong \left(Z+2.95\right)^{1.2} \pm \{0.015\}$	UVS, Seshavatharam

### Nuclear physics: 2 - Nuclear (17:35-19:50)

-Conveners: Boris Chernyshev

time	[id] title	presenter
17:35	[922] RADIOCARBON C-14 PRODUCTION UNDER CONDITION OF ATMOSPHERIC FLASHES	LYASHUK, Vladimir
17:50	[661] Search for $^{10}\text{He}$ in the stopped pion absorption $14\pi^-(p, ^3\text{He})X$	Dr. CHERNYSHEV, Boris
18:05	[736] Investigation of neutron generation upon irradiation of deuterated crystal structures with an electron beam	Prof. RUSSETSKII, Aleksei
18:20	[611] Annual variations of the $^{214}\text{Po}$ , $^{213}\text{Po}$ and $^{212}\text{Po}$ half-life values	KUZMINOV, V.V.
18:35	[598] Search for periodic variations of nucleus weak decay parameters	Prof. MAYBUROV, Sergey