

Moscow International School of Physics 2022

Thursday 28 July 2022

Young Scientist Forum (16:30-17:30)

time	title	presenter
16:30	Analytic calculation of some NRQCD master integrals	BEZUGLOV, Maxim
16:42	A new method for the measurement of the Michel parameters that describe the daughter muon polarization in the $\tau^+ \rightarrow \mu^+ \bar{\nu}_\mu \nu_\tau$ decay	BODROV, Denis
16:54	Canonical description for formulation of embedding gravity as General Relativity with additional matter	ZAITSEVA, Taisiia
17:06	Dual formulation for the massless spin 2 theory	Ms ABAKUMOVA, Victoria

Young Scientist Forum (17:30-18:30)

time	title	presenter
17:30	Recent CMS flavor physics results	POLIKARPOV, Sergey
17:42	Extended Chern–Simons Model for a Vector Multiplet	NOSYREV, Oleg
17:54	Formation of primordial black holes after Starobinsky inflation with single field model	FROLOVSKY, Daniel
18:06	Generalized method of symmetric embeddings construction and its application to spacetimes of general relativity	MARKOV, Mikhail

Young Scientist Forum (20:00-21:00)

time	title	presenter
20:00	Gravitational chiral anomaly for fields with spin 3/2 in the Rarita-Schwinger-Adler theory	PROKHOROV, George
20:12	On the one loop effective action in 6D N=(1,0) hypermultiplet self-coupling model	Ms BUDEKHINA, Alexandra
20:24	Quantum chaos in nonlinear vector mechanics	TRUNIN, Dmitrii
20:36	The cosmological signature of light sgoldstino: gravitational waves from electroweak phase transition	KRIUKOVA, Ekaterina

Saturday 30 July 2022

Young Scientist Forum (16:30-17:30)

time	title	presenter
16:30	Energy reconstruction with machine learning techniques in JUNO: aggregated features approach	GAVRIKOV, Arsenii
16:42	Measurement of the T-odd correlation in the $K^+ \rightarrow e^+ \nu \pi^0 \gamma$ radiative decay at OKA setup	TIURIN, Ilia
16:54	Measurements of gluon fusion and vector-boson-fusion production of the Higgs boson in $H \rightarrow WW \rightarrow e\nu\mu\nu$ decays using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	GAVRILYUK, Alexander
17:06	Monte-Carlo studies of heavy sterile neutrino from D_s^+ decay	Mr IVANOV, Kirill

Young Scientist Forum (17:30-18:30)

time	title	presenter
17:30	Revisiting PS191 limits on sterile neutrinos	KRASNOV, Igor
17:42	Searches for the light invisible hypothetical pseudoscalar in the $[K^+ \rightarrow \pi^+ \pi^0 P]$ decay at the OKA setup	Mr OKHOTNIKOV, Artem
17:54	Study of the $\omega \rightarrow \pi^0 e^+ e^-$ conversion decay with the CMD-3 detector at VEPP-2000 collider	KUTSENKO, Bogdan
18:06	The DUNE experiment PRISM method for data-driven predictions	STEPANOVA, Anna
18:18	Early universe first order phase transition due to the composite Higgs boson dynamics in the soft-wall holographic model	Mr SHAVRIN, Andrey