# Moscow International School of Physics 2022

## Saturday 30 July 2022

**Poster Session (20:00-22:00)**

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| **[71] Notes on peculiarities of quantum fields in space-times with horizons** | BAZAROV, Kirill | 4 |
| **[72] Free energy and entropy in Rindler and de Sitter space-times** | DIAKONOV, Dmitrii | 8 |
| **[25] Lyapunov growth in nonlinear vector mechanics** | KOLGANOV, Nikita | 10 |
| **[73] T-violation in neutrino spin-flavor oscillation probabilities due to influence of matter and electromagnetic field** | CHUKHNOVA, Aleksandra | 20 |
| **[74] The Diffuse Supernova Neutrino Background in the Standard and Double Collapse Models** | Mr SHAROFEEV, Andrey | 22 |
| **[75] Modeling gravitational wave emission in the post-inflationary universe** | Mr SUZDALOV , Gleb | 21 |
| **[26] Modification of AdS/CFT correspondence in top-down approach to near-throat D3-black brane geometry.** | SELEMENCHUK, Anton | 16 |
| **[8] Model A of critical dynamics: 5-loop ε expansion study** | ZAKHAROV, DMITRY | 19 |
| **[15] Ξc(2645) and Ξc(2815) production in pp interactions at the LHCb** | CHULIKOV, Vladimir | 6 |
| **[36] The charm baryons production in high-energy $pp$ collisions at $\sqrt{s}_{pp}$ = 8 TeV** | CHUBYKIN, Aleksei | 5 |
| **[70] N=2 higher spin theory in harmonic superspace** | ZAIGRAEV, Nikita | 18 |
| **[4] Self-Tuning Inflation** | Ms PETRIAKOVA, Polina | 15 |
| **[27] A Tale of Invisibility: Constraints on New Physics in b -> svv** | MUKHAEVA, Alfiia | 14 |
| **[7] Relativistic GL(NM, C) Gaudin models on elliptic curve** | TRUNINA, Elizaveta | 17 |
| **[69] Towards new tests of cosmic-ray correlations with BL Lac type objects** | KUDENKO, Maria | 12 |
| **[11] Production and two-photon decay of ηc at energy of SPD NICA** | ANUFRIEV, Anton | 2 |
| **[21] Likelihood fit based estimation of the background induced by the misidentification of a jet as a photon at pp collider experiment** | KAZAKOVA, Katerina | 9 |
| **[37] Prospects for the search for HN in the CMS experiment using the lepton decay of the Ds meson into μν** | ANDREEV, Yakov | 1 |
| **[35] Development of algorithm for prediction of parameters of secondaries in hadronic showers in highly granular calorimeters using a neural network** | KORPACHEV, Sergey | 11 |
| **[38] New techniques for materials in high energy physics** | DADABAEV, Shakhzod | 7 |
| **[28] Renormalization group analysis of a self-organized critical system: Intrinsic anisotropy opposed to random medium** | LUCHIN, Aleksandr | 13 |