



# XX FRASCATI SUMMER SCHOOL "BRUNO TOUSCHEK" in Nuclear, Subnuclear and Astroparticle Physics

## Monday, 11 July 2022

**7th Young Researchers' Workshop - Building 36, Aula Touschek (16:30 - 19:15)**

| time  | [id] title  | presenter            |
|-------|---|----------------------|
| 16:30 | [15] Leptonic g-2 anomalies in a class of flavour-conserving two Higgs doublet models                 | MIRÓ, Carlos         |
| 16:45 | [16] Slow-roll inflation in Palatini F(R) gravity   | DIOGUARDI, Christian |
| 17:00 | [17] Multi-step phase transitions and gravitational waves in the inert doublet model                  | BENINCASA, Nico      |
| 17:15 | [18] Coloring the jets at LHC for Xbb tagger improvement  | MANCO, Giulia        |
| 17:30 | [19] Pruning Deep Neutral Networks for LHC Challenges   | MASCIONE, Daniela    |
| 17:45 | [20] Studying radiative charm meson decays at the LHCb experiment                                     | CHERNOV, Aleksei     |
| 18:00 | [21] Analysis of $B_0 \rightarrow K + \pi + \mu + \mu^-$ in the higher $K^*$ resonance region at LHCb | BORSUK, Józef        |
| 18:15 | [22] On the effective lifetime of $B_s \rightarrow \mu + \mu + \gamma$                                | NORMAND, Camille     |
| 18:30 | [23] Strangeness production in pPb collisions at LHCb   | LANDESA GOMEZ, Clara |
| 18:45 | [24] Strangeness production in the NA61/SHINE experiment at the CERN SPS                              | BALKOVA, Yuliia      |
| 19:00 | [40] Recent searches at the LHCb  | PAGARE, Bhagyashree  |

# Thursday, 14 July 2022

## 7th Young Researchers' Workshop - Building 36, Aula Touschek (16:30 - 19:15)

| time  | [id] title  | presenter               |
|-------|---|-------------------------|
| 16:30 | [26] New Small Wheel Micromegas Trigger Simulation Analysis   | MONTEREALI, Federico    |
| 16:45 | [27] Cross-section measurement of the $VH \rightarrow b\bar{b}$ process using the full Run 2 data collected by CMS at the LHC | MISHRA, Saswat          |
| 17:00 | [28] Understanding the temperature dependence of SiPM characteristics   | JANGRA, Mamta           |
| 17:15 | [30] A closer look at the extraction of $V_{ub}$ from $B \rightarrow \pi l \nu$   | RAY, Ipsita             |
| 17:30 | [31] Measurements of Helium flux with the Alpha Magnetic Spectrometer   | KARAGOZ, Gulce          |
| 17:45 | [37] Light vectors coupled to anomalous currents with harmless Wess-Zumino terms  | TONI, Claudio           |
| 18:00 | [32] Neutrino Mixing and Leptogenesis in a $L_e-L_\mu-L_\tau$ model   | MARCIANO, Simone        |
| 18:15 | [33] Probing dark abelian gauge sector at the intensity frontier  | MASSONI SALLA, Gabriel  |
| 18:30 | [34] Charged dark matter in supersymmetric Twin Higgs models  | ŁUKAWSKI, Michał        |
| 18:45 | [35] Sifting through the SM for the hints of an Axion Like Particle   | BANDYOPADHYAY, Triparno |
| 19:00 | [25] Studies of meson production in fixed-target collision data at LHCb   | FABIANO, Federica       |