

FIPs 2022 Workshop

Thursday 20 October 2022

Heavy Neutral Leptons and possible connections with active neutrino physics - 500/1-001 - Main Auditorium (16:50 - 18:50)

-Conveners: **Albert De Roeck; Jacobo Lopez Pavon**

| time | [id] title | presenter |
|-------|---|--------------------------------------|
| 16:50 | [29] HNLs and their connection with $0\nu\beta\beta$ decays: theory overview | DEPPISCH, Frank |
| 17:20 | [30] $0\nu\beta\beta$ decays: experimental overview | SAAKYAN, Ruben |
| 17:50 | [31] NHL's and light oscillating neutrinos in 2022 | GONZALEZ-GARCIA, Maria Concepcion |
| 18:20 | [32] Searches for HNLs with neutrino telescopes (postponed to tomorrow session) | COLOMA, Pilar |

Friday 21 October 2022

Heavy Neutral Leptons and possible connections with active neutrino physics - 500/1-001 - Main Auditorium (09:00 - 12:57)

-Conveners: Marco Drewes; Albert De Roeck

| time | [id] title | presenter |
|-------|---|---------------------------------------|
| 09:00 | [135] Searches for HNLs with neutrino telescopes | COLOMA, Pilar |
| 09:25 | [36] Prospects for the measurement of the absolute neutrino masses in cosmology | WONG, Yvonne |
| 09:55 | [56] The HIBEAM experiment to look for induced conversions of neutrons to sterile neutrons and antineutrons | MILSTEAD, David Anthony |
| 10:15 | [37] New results from MicroBooNE | SOLDNER-REMBOLD, Stefan |
| 10:30 | [46] PIONEER at PSI Prospects for Rare Pion Decays | VELGHE, Bob BRYMAN, Douglas Andrew |
| 10:45 | Coffee Break | |
| 11:15 | [39] FIPs searches at FCC-ee | RIPELLINO, Giulia |
| 11:30 | [45] Prospects at DUNE near detectors and short baseline experiments in US | KOPP, Joachim |
| 11:50 | [38] New results from ATLAS, CMS, LHCb | KNOLLE, Joscha |
| 12:15 | [41] Heavy Neutral Leptons: the FIP Physics Centre approach | KLARIC, Juraj |
| 12:40 | [47] New results from Babar | MIDDLETON, Sophie Charlotte |
| 12:55 | [44] Conclusions and Outlook | |