



# Whispers from the Dark Universe - Particles & Fields in the Gravitational Wave Era

## Wednesday 25 September 2024

**Parallel Wednesday Pheno 1 / Cosmo 3 - Seminar room 4a (14:00 - 18:30)**

| time  | [id] title   | presenter                    |
|-------|--|------------------------------|
| 14:00 | [30] Di-Higgs production in the RxSM at the HL-LHC taking into account 1-loop corrections to the trilinear Higgs couplings in a SFOEWPT scenario | VERDURAS SCHAEIDT, Alain     |
| 14:15 | [141] CP-sensitive simplified template cross-sections for ttH  | MENEN, Marco                 |
| 14:30 | [105] Impact of Loop Corrections to the Trilinear Higgs Couplings and Interference Effects on Experimental Limits                                | RADCHENKO SERDULA, Kateryna  |
| 14:45 | [107] Analysis of interference effects in the di-top final state for CP-mixed scalars in extended Higgs sectors                                  | KUMAR, Romal                 |
| 15:00 | [122] Vacuum (in)stability in N2HDM vs 2HDMS   | LAHIRI, Jayita               |
| 15:15 | [88] Radiative corrections to $B \rightarrow \ell \ell \nu$  | FERRE, Max                   |
| 15:30 | [114] Searching for LNV in rare meson decays   | MOJAHED, Martin              |
| 15:45 | [137] Composite Higgs with Flavour Deconstruction  | PESUT, Marko                 |
| 16:00 | Coffee break   |                              |
| 16:30 | [5] When to interfere with dark matter? The impact of wave dynamics on statistics  | Prof. UHLEMANN, Cora         |
| 16:46 | [27] Bounds on ultralight dark matter from NANOGrav  | AGHAIE, Mohammad             |
| 17:02 | [110] Fuzzy dark matter meets galaxy formation with IllustrisTNG   | MAY, Simon                   |
| 17:18 | [108] Searching for Ultralight ALPs using JVLA and VLBA Observations   | DESHMUKH, Shivani            |
| 17:34 | [149] Multiple Soft Scatterings in Freeze-In Dark Matter Production  | FERNÁNDEZ LOZANO, María José |
| 17:50 | [64] Riding the dark matter wave: Novel limits on general dark photons from LISA Pathfinder  | FRERICK, Jonas               |