

Magnificent CEvNS 2023

Wednesday 22 March 2023

Phenomenology/ Theory (11:30 - 12:30)

-Conveners: Phillip Barbeau

| time | [id] title | presenter |
|-------|---|-------------------------|
| 11:30 | [5] New physics implications of COHERENT CsI+LAr data | DE ROMERI, Valentina |
| 11:50 | [6] Probing electroweak physics with COHERENT data | Dr PAPOULIAS, Dimitrios |
| 12:10 | [25] EFT analysis of New Physics at COHERENT | BRESÓ PLA, Victor |

Thursday 23 March 2023

Phenomenology/ Theory (09:00 - 10:30)

-Conveners: Louis Strigari

| time | [id] title | presenter |
|-------|--|----------------------|
| 09:00 | [16] CEvNS as a tool to investigate nuclear and electroweak properties: current status and prospects | CADEDDU, Matteo |
| 09:20 | [17] CEvNS bounds on neutrino electromagnetic properties | DORDEI, Francesca |
| 09:40 | [24] Reactor CEvNS constraints improve robustness of neutrino mass ordering determination | GEHRLEIN, Julia |
| 10:00 | [4] Physics implications of recent Dresden-II reactor data | Mr MAJUMDAR, Anirban |

Phenomenology/ Theory (16:15 - 18:00)

-Conveners: Kate Scholberg

| time | [id] title | presenter |
|-------|--|-----------------------|
| 16:15 | [14] Updated constraints on light mediators from CEvNS data | ATZORI CORONA, Mattia |
| 16:35 | [13] The role of the elastic neutrino-electron scattering in constraining the neutrino magnetic moment and millicharge using the LUX-ZEPLIN data | CARGIOLI, Nicola |
| 16:55 | [1] Radiative corrections to low-energy neutral-current neutrino scattering and DAR sources | TOMALAK, Oleksandr |
| 17:15 | [18] Neutrino-nucleus interactions and the axial coupling | SUHONEN, Jouni |
| 17:35 | [62] A Direct Detection View of the Neutrino NSI Landscape | AMARAL, Dorian |

Friday 24 March 2023

Phenomenology/ Theory (14:00 - 15:00)

-Conveners: Louis Strigari

| time | [id] title | presenter |
|-------|--|-------------------------|
| 14:00 | [33] Light vector bosons and the weak mixing angle in the light of new reactor-based CE ν NS experiments | RINK, Thomas |
| 14:15 | [21] Current and future sensitivities to Non-Standard Interactions using CEvNS | SANCHEZ GARCIA, Gonzalo |

Phenomenology/ Theory: Summary (16:00 - 16:30)

-Conveners: Kate Scholberg

| time | [id] title | presenter |
|-------|---------------------|------------------------|
| 16:00 | [60] Theory Summary | Prof. LINDNER, Manfred |