



# Magnificent CEvNS 2019

## Saturday 9 November 2019

### Theory/pheno/nuclear: Theory 1 (10:30 - 12:10)

-Conveners: Joel Walker

time	[id] title	presenter
10:30	[19] Nuclear form factors, nuclear structure, and neutron stars	PIEKAREWICZ, Jorge
10:50	[41] CEvNS in effective field theory	HOFERICHTER, MARTIN
11:10	[31] Inelastic neutrino interactions on nuclei	SUHONEN
11:30	[2] CP violating effects in coherent elastic neutrino-nucleus scattering processes	DE ROMERI, Valentina
11:50	[55] Neutrino non-standard interactions and signatures in CEvNS experiments	COLOMA, Pilar

### Theory/pheno/nuclear: Theory 2 (14:00 - 15:00)

-Conveners: Carlo Giunti

time	[id] title	presenter
14:00	[16] Searching for Dark Matter Signals COHERENT Way	KIM, Doojin
14:20	[30] Searching for Light Dark Matter with Fixed Target Neutrino Experiments	Dr DENIVERVILLE, Patrick
14:40	[10] CEvNS in multi-ton scale dark matter experiments: Confronting vector and scalar interactions new physics signals	ARISTIZABAL, Diego

# Monday 11 November 2019

## Theory/pheno/nuclear (14:10 - 15:50)

-Conveners: **Pilar Coloma**

time	[id] title	presenter
14:10	[58] Axion-like particle at CEvNS experiments	LIAO, Shu
14:30	[6] PREX/CREX Overview	Dr MAMMEI, Juliette
14:50	[53] Measurement of the weak-mixing angle with CEvNS	CADEDDU, Matteo
15:10	[52] Coherent elastic neutrino-atom scattering	DORDEI, Francesca
15:30	[51] Elucidating the electromagnetic properties of neutrinos with CEvNS	Dr GIUNTI, Carlo

## Theory/pheno/nuclear (16:20 - 17:40)

-Conveners: **Bhaskar Dutta**

time	[id] title	presenter
16:20	[9] Neutrino transition magnetic moments and sterile neutrinos from CEvNS	PAPOULIAS, Dimitrios
16:40	[59] Measuring the coherent elastic neutrino-nucleus scattering with an high intensity $^{51}\text{Cr}$ radioactive source	Dr DI NOTO, Lea
17:00	[5] Neutrino Physics Opportunities at the J-PARC MLF	JORDAN, Johnathon
17:20	[21] Reactor antineutrino fluxes and CEvNS	HUBER, Patrick