



# ALPS2023 -- Anomalies in Particle Physics

## Monday, 27 March 2023

### Keynotes (08:30 - 10:00)

time	[id] title	presenter
08:30	[67] Status of flavour anomalies from LHCb (20+10)	DE SIMONE, Patrizia DE SIMONE, Patrizia
09:00	[68] LFU and semileptonic B decays at Belle (20+10)	SANTELJ, Luka
09:30	[69] $b \rightarrow sll$ transitions (20+10)	CAPDEVILA, Bernat

### Keynotes (10:30 - 12:00)

time	[id] title	presenter
10:30	[70] Recent semileptonic results from Belle II (20+10)	LYU, Chaoyi
11:00	[71] Latest flavour physics results from CMS/ATLAS (20+10)	Prof. BEHERA, Prafulla
11:30	[73] New Physics in $b \rightarrow sll$ and $b \rightarrow c\tau\nu$ (20+10)	IGURO, Syuhei

### Keynotes (19:15 - 20:00)

time	[id] title	presenter
19:15	[80] tau physics at Belle II (20+10)	RAD, Navid Khandan

# Tuesday, 28 March 2023

## **Keynotes (08:30 - 10:30)**

time	[id] title	presenter
08:30	[54] Status and prospects of the Muon g-2 experiment at FNAL (20+10)	LUSIANI, Alberto
09:00	[79] g-2 and new physics (30+15)	STOCKINGER, Dominik
09:45	[81] The Cabibbo angle anomaly and EW fits (30+15)	HOFERICHTER, Martin

## **Keynotes (18:15 - 18:45)**

time	[id] title	presenter
18:15	[39] QCD contributions to the muon anomalous magnetic moment (20+10)	EICHMANN, Gernot

# Wednesday, 29 March 2023

## **Keynotes (08:30 - 10:00)**

time	[id] title	presenter
08:30	[83] Overview and LHC searches for New Physics (30+15)	LANDSBERG, Greg
09:15	[84] Overview of LHC anomalies (30+15)	MELLADO GARCIA, Bruce

## **Keynotes: Automated One-Loop Matching of BSM Models (11:00 - 11:30)**

**-Conveners: Javier Fuentes-Martin**

time	[id] title	presenter
11:00	[109] Automated One-Loop Matching of BSM Models	FUENTES-MARTIN, Javier

# Thursday, 30 March 2023

## Keynotes (08:30 - 10:00)

time	[id] title	presenter
08:30	[97] Towards Constraining Dark Sectors with 21-cm Cosmology (20+10)	VOLANSKY, Tomer
09:00	[95] Anomalies in short-baseline neutrino experiments (20+10)	Dr COLOMA, Pilar
09:30	[96] Tensions between terrestrial and cosmological neutrino mass determinations (20+10)	SCHWETZ, Thomas

## Keynotes (10:30 - 12:00)

time	[id] title	presenter
10:30	[93] 21cm and the radio background excess (20+10)	RUDERMAN, Joshua RUDERMAN, Joshua Thomas
11:00	[49] New constraints on the dark matter-neutrino and the dark matter-photon scattering cross-sections (20+10)	IBARRA, Alejandro
11:30	[98] Small-scale tensions and self-interacting dark matter	KAHLHOEFER, Felix

## Keynotes (19:30 - 20:00)

time	[id] title	presenter
19:30	[108] $B_d, s \rightarrow \mu^+ \mu^- \gamma$ phenomenology overview	GUADAGNOLI, Diego GUADAGNOLI, Diego GUADAGNOLI, Diego GUADAGNOLI, Diego

# Friday, 31 March 2023

## Keynotes (08:30 - 09:30)

time	[id] title	presenter
08:30	[99] Ultralight dark matter generated by thermal fermions	CHUN, Eung Jin
09:00	[100] Nanograv anomaly	SCHWALLER, Pedro Klaus