



# Computational Tools for High Energy Physics and Cosmology

## Monday, 22 November 2021

### Dark Matter (11:00 - 14:40)

-Conveners: Genevieve Belanger

time	[id] title	presenter
11:30	[145] Welcome and Introduction	MAHMOUDI, Nazila
11:40	[146] Review of Dark Matter Tools	GOUDELIS, Andreas
12:10	[133] Photon-axion oscillations with ELMAG	KACHELRIESS, Michael Mr TJEMSLAND, Jonas
12:30	Break	
13:00	[148] HDMSpectra	RODD, Nicholas Llewellyn
13:20	[125] Studying dark matter with MadDM: Lines and loops	MASSARO, Daniele
13:40	[122] Estimating QCD uncertainties on anti-proton spectra from dark-matter annihilation	Dr JUEID, Adil
14:00	[149] DarkHistory	LIU, Hongwan