



# Hunting New Physics

## Monday, September 30, 2024

### Presentations and Discussion: Session 1 (9:00 AM - 10:30 AM)

time	[id] title	presenter
9:00 AM	[1] DM Direct Detection in Singlet-Extended Models	BIEKÖTTER, Thomas
9:30 AM	[2] Automatising DM Relic Density Calculations	CAPUCHA, Rodricgo
10:00 AM	[3] Discussion Time	

### Presentations and Discussion: Session 2 (11:00 AM - 12:30 PM)

time	[id] title	presenter
11:00 AM	[5] DM Relic Density at NLO 2->2 Channel	GABRIEL, Pedro
11:30 AM	[4] DM Relic Density at NLO QCD in the 2->3 Channel	SCHÜSSLER, Maurice
12:00 PM	[6] Discussion Time	

# Tuesday, October 1, 2024

## **Presentations and Discussion: Session 3 (9:00 AM - 10:30 AM)**

time	[id] title	presenter
9:00 AM	[11] DM Relic Density at NLO EW in 2->3 - Renormalisation	NEACSU, Daniel
9:30 AM	[10] DM Relic Density at NLO EW 2->3 Channel	BRICA, Pavao
10:00 AM	[9] Discussion Time	

## **Presentations and Discussion: Session 4 (11:00 AM - 12:30 PM)**

time	[id] title	presenter
11:00 AM	[7] Dark Photon Phenomenology	ELYAOUTI, Karim
11:30 AM	[8] Multistep Phase Transitions in a Dark Photon Model	ERHARDT, Karo
12:00 PM	[12] Discussion Time	

# Wednesday, October 2, 2024

## **Presentations and Discussion: Session 5 (9:00 AM - 10:30 AM)**

time	[id] title	presenter
9:00 AM	[13] BSMPV3 - Gravitational Waves from FOPT	VIANA, João
9:30 AM	[14] Leptogenesis in the nu-NMSSM	OVERDUIN, Emil
10:00 AM	[15] Discussion Time	

## **Presentations and Discussion: Session 6 (11:00 AM - 12:30 PM)**

time	[id] title	presenter
11:00 AM	[16] Machine Learning and FOPT	GONÇALVES, Maria
11:30 AM	[17] Radiosignal from Bremsstrahlung Photons	PLOTNIKOV, Johann
12:00 PM	[18] Discussion Time	

# Thursday, October 3, 2024

## Presentations and Discussion: Session 7 (9:00 AM - 10:30 AM)

time	[id] title	presenter
9:00 AM	[19] Higgs Pair Production at ee Colliders at NLO EW	ARCO GARCIA, Francisco Manuel
9:30 AM	[20] Status of regular black hole models	BOOS, Jens
10:00 AM	[21] Discussion Time	

## Presentations and Discussion (11:00 AM - 12:30 PM)

# Friday, October 4, 2024

**Presentations and Discussion (9:00 AM - 10:30 AM)**

**Presentations and Discussion (11:00 AM - 12:30 PM)**