Session Program

11–15 May 2026

Digital Twins for Nuclear and Particle physics - NPTwins 2026

Theory

ECT*, Aula Renzo Leonardi
Strada delle Tabarelle 286, I-38123 Villazzano (Trento)

Monday 11 May

16:45

Theory

Session | **Location:** ECT*, Aula Renzo Leonardi, Strada delle Tabarelle 286, I-38123 Villazzano (Trento)

16:45–17:15 **AI for Regge Theory**

Speaker
Adam Szczepaniak

17:15–17:45 **NNPDF**

Speaker
Tommaso Giani

17:45

Tuesday 12 May

14:00

Theory

Session | **Location:** ECT*, Aula Renzo Leonardi, Strada delle Tabarelle 286, I-38123 Villazzano (Trento)

14:30–15:00 **Diffusion models for lattice field theories**

Speaker
Andreas Ipp

15:00–15:15 **AI/ML for Generalized Parton Distributions**

Speaker
Prof. Huey-Wen Lin

15:15–15:45 **Neural Network extraction of TMDs**

Speaker
Chiara Bissolotti

15:45

Friday 15 May

09:00

Theory

Session | **Location:** ECT*, Aula Renzo Leonardi, Strada delle Tabarelle 286, I-38123 Villazzano (Trento)

09:00–09:30 **Reconstruction of scattering amplitudes with physics-informed GANs**

Speaker
Glòria Montaña

09:30–10:00
Linking Electromagnetic Moments to Nuclear Interactions via Global Parametric ab-initio Emulation

Speaker
Jose Munoz

10:00–10:30 **Supporting Theory Simulations with Large Language Models**

Speaker
Daniel Schiller

10:30