Session Program

11–15 May 2026

Digital Twins for Nuclear and Particle physics - NPTwins 2026

Real-time

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

Thursday 14 May

09:00

Real-time

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

09:00–09:30 **Real-time analysis and ML inference at 30 MHz at LHCb**

Speaker
Maarten van Veghel

09:30–10:00 **Exploring Spiking Neural Networks for Online Data Reduction in the ePIC dRICH detector**

Speaker
Pierpaolo Perticaroli

10:00–10:30 **AI Agents Can Already Autonomously Perform Experimental High Energy Physics**

Speaker
Eric Moreno

10:30

14:00

Real-time

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

14:00–14:30 **Real-Time AI-Based Triggering for the SST-1M Telescope**

Speaker
Jakub Kvapil

14:30–15:00 **FAN-C Feats: Real-Time Science with Fast Adaptive Neural Contro**

Speaker
Nhan Tran

15:00–15:30 **FELIX - a platform for AI/ML in NPP experiments**

Speaker
Hao Xu

15:30