Session Program

11–15 May 2026

Digital Twins for Nuclear and Particle physics - NPTwins 2026

Digital twins & LLMs

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

Tuesday 12 May

16:15

Digital twins & LLMs

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

16:15–16:45 **ML for charged particle tracking at GlueX**

Speaker
Ahmed Mohammed

16:45–17:15 **Agentic Digital Twin for Precision Experiments at Rare-Isotope Accelerator Facilities**

Speaker
Brooke Rickey

17:15–17:45 **Digital Twins for accelerators**

Speaker
Auralee Edelen

17:45

Thursday 14 May

16:00

Digital twins & LLMs

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

16:00–16:30 **Generative and Agentic AI for Science**

Speaker
Geoffrey Fox

16:30–17:00 **Agentic-AI systems for High Energy Physics research**

Speaker
Nesar Ramachandra

17:00–17:30 **Gauge-equivariant graph neural networks for lattice gauge theories**

Speaker
Gia-Wei Chern

17:30