

# HEP for AI and AI for HEP

*Friday, 13 February 2026 08:30 (30 minutes)*

AI is everywhere, but a theoretical understanding of AI behaviour is still lacking. In this talk I will show how high-energy physics, in particular our well-understood data structures, can help open the black box of AI. Closing the circle, a better understanding of AI will help us use AI to better understand the physics of our universe.

## Your current academic level

Faculty/research staff

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**Session Classification:** Electroweak Physics

**Track Classification:** Particle physics