



**HAMLET** August 20 - 22, 2025  
Copenhagen, Denmark  
How to Apply Machine Learning to  
Experimental & Theoretical  
**PHYSICS**

Contribution ID: 37

Type: **not specified**

## AI for fundamental physics –next steps

*Wednesday 20 August 2025 13:55 (1 hour)*

We examine current advances in large physics models and foundation model approaches, identifying key challenges for benchmarking and promising avenues for further development of AI-assisted physics research.

**Broad physics domain**

**AI/ML technique(s) to be presented**

**Presenter:** CARON, Sascha

**Session Classification:** Keynote