

Session Program

2-7 Jan 2018

**Spåtind 2018 - Nordic Conference on Particle
Physics**

Thursday PM

Skeikampen, Norway
Hotellvegen 3, 2652 Svingvoll, Norway

Thursday 4 January

15:30

Thursday PM: Machine learning in the era of Artificial Intelligence

Session | **Location:** Skeikampen, Norway, Hotellvegen 3, 2652 Svingvoll, Norway | **Convener:** Poul Damgaard

15:30–16:15

Particle physics in the era of Artificial Intelligence

Speaker

Kyle Stuart Cranmer

16:15

16:15

Thursday PM: European Spallation Source - Neutrino Super Beam

Session | **Location:** Skeikampen, Norway, Hotellvegen 3, 2652 Svingvoll, Norway | **Convener:** Poul Damgaard

16:15–17:00

The proposed ESS neutrino Super Beam and its physics case

Speaker

Tord Johan Carl Ekelof

17:00

17:30

Thursday PM: Contributed talks

Session | **Location:** Skeikampen, Norway, Hotellvegen 3, 2652 Svingvoll, Norway | **Convener:** Stefania Xella

17:30–17:45

First physics results with GAMBIT

Speaker

Are Raklev

17:45–18:00

Sterile neutrinos in GAMBIT

Speaker

Tomas Gonzalo

18:00–18:15

Separating heavy Higgses using machine learning

Speaker

Inga Strumke

18:15–18:30

Deep learning particle tracks in the CMS detector

Speaker

Joona Juhani Havukainen

18:30–18:45

Using Machine Learning for a Fast Evaluation of Supersymmetric NLO Cross Sections

Speaker

Jon Vegard Sparre

18:45–19:00

Embedding simulated particles into real data in search for charged Higgs bosons

Speaker

Santeri Henrikki Laurila

19:15

20:45

Thursday PM: Particle Physics and Education**Session** | **Location:** Skeikampen, Norway, Hotellvegen 3, 2652 Svingvoll, Norway | **Convener:** Anders Tranberg

20:45-21:15

Teaching particle physics to teacher students**Speaker**

Nils-Erik Bomark

21:45

21:15-21:45

LHC discoveries and particle physics concepts for education**Speaker**

Eirik Gramstad