

**Spåtind 2016 - Nordic
Conference on Particle
Physics**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Buses from Oslo to Skeikampen (time TBC, about 2pm)

Saturday 2 January 2016 14:00 (3 hours)

Contribution ID: 1

Type: **not specified**

Bus from Skeikampen to Oslo (8:00)

Thursday 7 January 2016 08:00 (3 hours)

Contribution ID: 2

Type: **not specified**

Welcome and reception

Contribution ID: 15

Type: **not specified**

Search for narrow resonances decaying to dijets in proton-proton collisions with the CMS detector at $\sqrt{s} = 13$ TeV

Sunday 3 January 2016 18:00 (15 minutes)

Presenter: PEKKANEN, Juska (University of Helsinki (FI))

Session Classification: Contributed talks

Contribution ID: 16

Type: **not specified**

Discovery strategies for new resonant and non-resonant phenomena with hadronic jets at the ATLAS detector

Sunday 3 January 2016 17:30 (15 minutes)

Presenter: DOGLIONI, Caterina (Lund University (SE))

Session Classification: Contributed talks

Contribution ID: 17

Type: **not specified**

Searches for Physics Beyond the Standard Model in Monojet Signatures with ATLAS

Sunday 3 January 2016 17:45 (15 minutes)

Presenter: LUNDBERG, Olof (Stockholm University (SE))

Session Classification: Contributed talks

Contribution ID: **18**

Type: **not specified**

Measuring Higgs properties in proton-proton collisions with the CMS experiment

Wednesday 6 January 2016 18:45 (15 minutes)

Presenter: HEIKKILAE, Jaana Kristiina (Helsinki Institute of Physics (FI))

Session Classification: Contributed talks

Contribution ID: 19

Type: **not specified**

Jet Fragmentation Transverse Momentum Distributions In Proton-Lead Collisions Measured By The ALICE Experiment At LHC

Sunday 3 January 2016 18:15 (15 minutes)

Presenter: SNELLMAN, Tomas Wilhelm (University of Jyväskylä (FI))

Session Classification: Contributed talks

Contribution ID: 20

Type: **not specified**

Early atmospheric muon rejection with PINGU - the low energy extension to IceCube

Sunday 3 January 2016 18:30 (15 minutes)

Presenter: HANSEN, Eva

Session Classification: Contributed talks

Contribution ID: 21

Type: **not specified**

Observational signatures of Higgs inflation

Monday 4 January 2016 17:30 (15 minutes)

Presenter: ENCKELL, Vera-Maria

Session Classification: Contributed talks

Contribution ID: 22

Type: **not specified**

Characterisation, plans and prospects of positronium formation in the AEGIS experiment

Monday 4 January 2016 17:45 (15 minutes)

Presenter: SMESTAD, Lillian (The Research Council of Norway)

Session Classification: Contributed talks

Contribution ID: 23

Type: **not specified**

Study of antiproton annihilation in silicon with a hybrid pixel detector using the TimePix3 readout

Monday 4 January 2016 18:00 (15 minutes)

Presenter: HOLMESTAD, Helga (University of Oslo (NO))

Session Classification: Contributed talks

Contribution ID: 24

Type: **not specified**

Plasmon mass in classical Yang-Mills theory

Monday 4 January 2016 18:15 (15 minutes)

Presenter: PEURON, Jarkko (University of Jyväskylä)

Session Classification: Contributed talks

Contribution ID: 25

Type: **not specified**

Yang-Mills condensates in Cosmology

Monday 4 January 2016 18:30 (15 minutes)

Presenter: PASECHNIK, Roman (Lund University)

Session Classification: Contributed talks

Contribution ID: 26

Type: **not specified**

Measuring pancakes in space

Sunday 3 January 2016 18:45 (15 minutes)

Presenter: H HANSEN, Steen

Session Classification: Contributed talks

Contribution ID: 27

Type: **not specified**

Supersymmetry Searches with the ATLAS detector: Electroweak gauginos, sleptons and Dark Matter (aka SUSY around the corner)

Tuesday 5 January 2016 17:30 (15 minutes)

Presenter: VADLA, Knut Oddvar Hoie (University of Oslo (NO))

Session Classification: Contributed talks

Contribution ID: 28

Type: **not specified**

Search for new phenomena in the dilepton final state using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Tuesday 5 January 2016 17:45 (15 minutes)

Presenter: MORISBAK, Vanja (University of Oslo (NO))

Session Classification: Contributed talks

Contribution ID: 29

Type: **not specified**

Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Tuesday 5 January 2016 18:00 (15 minutes)

Presenter: BUGGE, Magnar Kopangen (University of Oslo (NO))

Session Classification: Contributed talks

Contribution ID: 30

Type: **not specified**

Self-interacting dark matter and cosmology of a light scalar mediator

Tuesday 5 January 2016 18:15 (15 minutes)

Presenter: VASKONEN, Ville

Session Classification: Contributed talks

Contribution ID: 31

Type: **not specified**

Radiatively Induced Fermi Scale in Grand Unified Theories

Wednesday 6 January 2016 18:30 (15 minutes)

Presenter: ALANNE, Tommi

Session Classification: Contributed talks

Contribution ID: 32

Type: **not specified**

Dark matter seen from kimberlite pipes vulcanoes

Tuesday 5 January 2016 18:30 (15 minutes)

Presenter: NIELSEN, Holger Bech

Session Classification: Contributed talks

Contribution ID: 34

Type: **not specified**

ESSnuSB: an opportunity to measure the higher leptonic CP violation signal at the second oscillation maximum

Wednesday 6 January 2016 17:30 (15 minutes)

Presenter: OLVEGAARD, Maja (Uppsala University (SE))

Session Classification: Contributed talks

Contribution ID: 36

Type: **not specified**

Wavelets

Wednesday 6 January 2016 17:45 (15 minutes)

Presenter: THORESEN, Freja (University of Copenhagen (DK))

Session Classification: Contributed talks

Contribution ID: 37

Type: **not specified**

Model Building in Grand Unified Theories

Wednesday 6 January 2016 18:00 (15 minutes)

Presenter: GONZALO, Tomas

Session Classification: Contributed talks

Contribution ID: **38**

Type: **not specified**

An introduction to GAMBIT

Wednesday 6 January 2016 18:15 (15 minutes)

Presenter: Dr KVELLESTAD, Anders (Nordita)

Session Classification: Contributed talks

Contribution ID: 39

Type: **not specified**

Trials factors and the significance of the diphoton mass peaks at 750 GeV seen by ATLAS and CMS in the 2015 data

Monday 4 January 2016 18:45 (20 minutes)

Both ATLAS and CMS observed small deviations from the background expectation at 750 GeV in the diphoton mass spectrum of the proton-proton collision data collected during 2015. The calculation of the trials factors that account for the look - elsewhere effect will be discussed as will a “hallway-statistics” combination of the results.

Presenter: READ, Alexander Lincoln (University of Oslo (NO))

Session Classification: Contributed talks

Contribution ID: 41

Type: **not specified**

Physics of the Big bang lecture 1

Sunday 3 January 2016 09:45 (45 minutes)

Presenter: HINDMARSH, Mark (University of Sussex)

Session Classification: Invited talks

Contribution ID: 42

Type: **not specified**

Higgs precision measurements lecture 1

Sunday 3 January 2016 09:00 (45 minutes)

Presenter: VERKERKE, Wouter (Nikhef National institute for subatomic physics (NL))

Session Classification: Invited talks

Contribution ID: 43

Type: **not specified**

Dark matter detection 1

Sunday 3 January 2016 15:30 (45 minutes)

Presenter: WEST, Stephen (Royal Holloway, University of London)

Session Classification: Invited talks

Contribution ID: 44

Type: **not specified**

QCD / heavy ions 1

Sunday 3 January 2016 16:15 (45 minutes)

Presenter: VENUGOPALAN, Raju (Brookhaven National Laboratory)

Session Classification: Invited talks

Contribution ID: 45

Type: **not specified**

Physics of the Big Bang lecture 2

Monday 4 January 2016 09:00 (45 minutes)

Presenter: HINDMARSH, Mark (University of Sussex)

Session Classification: Invited talks

Contribution ID: 46

Type: **not specified**

Dark Matter Detection lecture 2

Monday 4 January 2016 09:45 (45 minutes)

Presenter: WEST, Stephen (Royal Holloway, University of London)

Session Classification: Invited talks

Contribution ID: 47

Type: **not specified**

Higgs Precision Measurements lecture 2

Monday 4 January 2016 15:30 (45 minutes)

Presenter: VERKERKE, Wouter (Nikhef National institute for subatomic physics (NL))

Session Classification: Invited talks

Contribution ID: 48

Type: **not specified**

QCD, heavy ions lecture 2

Monday 4 January 2016 16:15 (45 minutes)

Presenter: VENUGOPALAN, Raju (Brookhaven National Laboratory)

Session Classification: Invited talks

Contribution ID: 49

Type: **not specified**

Searches for BSM Physics lecture 1

Tuesday 5 January 2016 09:00 (45 minutes)

Presenter: Prof. BLEKMAN, Freya (IIHE, Vrije Universiteit Brussel (BE))

Session Classification: Invited talks

Contribution ID: 50

Type: **not specified**

Particle Physics Phenomenology lecture 1

Tuesday 5 January 2016 09:45 (45 minutes)

Presenter: FRANDSEN, Mads (Oxford University)

Session Classification: Invited talks

Contribution ID: 51

Type: **not specified**

Proton therapy

Tuesday 5 January 2016 15:30 (45 minutes)

Presenter: BRANDENBURG, Sytze (University of Groningen)

Session Classification: Invited talks

Contribution ID: 52

Type: **not specified**

Physics of the Big Bang, lecture 3

Tuesday 5 January 2016 16:15 (45 minutes)

Presenter: HINDMARSH, Mark (University of Sussex)

Session Classification: Invited talks

Contribution ID: 53

Type: **not specified**

ESS / n-nbar Oscillations

Wednesday 6 January 2016 09:00 (45 minutes)

Presenter: MILSTEAD, David Anthony (Stockholm University (SE))

Session Classification: Invited talks

Contribution ID: 54

Type: **not specified**

Particle physics phenomenology lecture 2

Wednesday 6 January 2016 09:45 (45 minutes)

Presenter: FRANDSEN, Mads (Oxford University)

Session Classification: Invited talks

Contribution ID: 55

Type: **not specified**

Searches for BSM physics lecture 2

Wednesday 6 January 2016 15:30 (45 minutes)

Presenter: Prof. BLEKMAN, Freya (IIHE, Vrije Universiteit Brussel (BE))

Session Classification: Invited talks

Contribution ID: 56

Type: **not specified**

Conference dinner

Tuesday 5 January 2016 19:30 (2 hours)

Contribution ID: 57

Type: **not specified**

LHC discoveries and particle physics concepts for education

Wednesday 6 January 2016 16:15 (20 minutes)

Presenter: OULD-SAADA, Farid (University of Oslo (NO))

Session Classification: Invited talks

Contribution ID: 58

Type: **not specified**

Physics concepts and education related to LHC-physics seen by a high school teacher and masterclass author

Wednesday 6 January 2016 16:40 (20 minutes)

Presenters: PEDERSEN, Maiken (University of Oslo (NO)); PEDERSEN, Maiken

Session Classification: Invited talks