

**Session Program**

**2-7 Jan 2012**

**Spaatind 2012 - Nordic Conference on  
Particle Physics**

***Contributed Talks***

Skeikampen (Norway)  
THON Hotel

# Tuesday 3 January

17:30

## Contributed Talks

**Session** | **Location:** Skeikampen (Norway), THON Hotel

**17:30-17:45** **An  $SU(3)$  parton shower and orthogonal color bases**

**Speaker**

Dr Malin Sjødahl

**17:45-18:00** **Total Cross Section Measurement with TOTEM at the LHC**

**Speaker**

Mr Jan Welte

**18:00-18:15** **Resonance searches in multilepton final states**

**Speaker**

Mr Ask Emil Løvschall-Jensen

**18:15-18:30**

**IceCube Solar Dark Matter search and Global SUSY fits with IceCube data**

**Speaker**

Mr Matthias Danninger

**18:30-18:45**

**All-loop amplitudes of the Reggeon Field Theory via the stochastic model**

**Speaker**

Dr Rodion Kolevatonov

**18:45-19:00** **Tuning MCs using ATLAS boson transverse momentum measurements**

**Speaker**

Ms Elena Yatsenko

19:00

20:00

## Contributed Talks

**Session** | **Location:** Skeikampen (Norway), THON Hotel

**20:00-20:15** **Invariant mass distributions of SUSY cascade decays**

**Speaker**

Mr Anders Kvellestad

**20:15-20:30** **Complex Triple Gauge Boson Couplings**

**Speaker**

Ms Christine Overgaard Rasmussen

**20:30-20:45** **Tau identification in the ATLAS experiment**

**Speaker**

Ms Almut Pingel

**20:45-21:00** **Bs studies in the channel  $J/\psi\phi$  at the CMS experiment at LHC**

21:00

**Speaker**

Mr Giacomo Fedi

## Wednesday 4 January

17:30

### Contributed Talks

**Session** | **Location:** Skeikampen (Norway), THON Hotel

17:30-17:45

#### Challenges and Perspectives in Quarkonium Polarization Measurements

##### Speaker

Ms Ilse Krätschmer

17:45-18:00

#### Seperation of H to ZZ to 4l from the SM ZZ to 4l background

##### Speaker

Mr Lars Egholm Pedersen

18:00-18:15

#### Diagnosis of Supersymmetry Breaking Mediation Schemes by Mass Reconstruction at the LHC

##### Speaker

Dr Abram Krislock

18:15-18:30

#### Dark Matter Structures In Cosmological Simulations

##### Speaker

Mr Martin Sparre

18:30-18:45

#### Chiral symmetry at high energies

##### Speaker

Prof. Johan Bijnens

18:45-19:00

#### Timing performance of the ATLAS calorimeters

##### Speaker

Mr Martin Spangenberg

19:00

20:00

### Contributed Talks

**Session** | **Location:** Skeikampen (Norway), THON Hotel

20:00-20:15

#### Searches for mSUGRA in $\tau$ channels at ATLAS

##### Speaker

Mr Ørjan DALE

20:15-20:30

#### Measurement of the W-Boson Mass with the ATLAS Detector at LHC

##### Speaker

Mr Bjørn Sorensen

20:30-20:45

#### Modeling the Impact Parameter Dependence of the nPDFs With EKS98 and EPS09 Parametrizations

##### Speaker

Mr Ilka Helenius

21:00

20:45-21:00

**Search for new gauge bosons and other exotic particles with ATLAS**

**Speaker**

Mr Magnar Kopangen Bugge

# Thursday 5 January

17:30

## Contributed Talks

**Session** | **Location:** Skeikampen (Norway), THON Hotel

**17:30-17:45** **Reconstructing the rest frame of tau+tau- resonances at the LHC**

**Speaker**

Mr Peter Lundgaard Rosendahl

**17:45-18:00** **A model for the color suppressed decay mode  $B^0 \rightarrow 2 \pi^0$**

**Speaker**

Dr Teresa Palmer

**18:00-18:15**

**Search for light charged Higgs bosons in top-quark decays with the ATLAS experiment**

**Speaker**

Mr Alexander Madsen

**18:15-18:30**

**Upper limits on the branching ratio for top decaying to a bottom and a charged Higgs boson**

**Speaker**

Ms Silje Hattrem Raddum

**18:30-18:45** **BSM with new Higgs limits**

**Speaker**

Mr Helge Pettersen

**18:45-19:00**

**“Absolute Luminosity For ATLAS” - From installation to first data physics data**

**Speaker**

Mr Sune Jakobsen

19:00

20:00

## Contributed Talks

**Session** | **Location:** Skeikampen (Norway), THON Hotel

**20:00-20:15** **Jets in a quark-gluon plasma**

**Speaker**

Dr Konrad Tywoniuk

**20:15-20:30** **H- $\rightarrow$ gamma gamma search at ATLAS**

**Speaker**

Ms Lillian Smestad

**20:30-20:45** **Measuring the 3D shape of galaxy clusters**

**Speaker**

Mr Andreas Skielboe

21:00

20:45-21:00

## IPPOG - outreach activities and resources

### Speakers

Prof. Farid Ould-Saada, Prof. Johan Rathsman

## Friday 6 January

17:30

### Contributed Talks

**Session** | **Location:** Skeikampen (Norway), THON Hotel

17:30-17:45

**Tau Polarisation Measurement in Z Decays in ATLAS****Speaker**

Mr Ingrid Deigaard

17:45-18:00

**Muon Performance of the ATLAS Detector****Speaker**

Dr Wolfgang Liebig

18:00-18:15

**Data driven background estimation in SM H to tau tau****Speaker**

Mr Gorm Galster

18:15-18:30

**Search for supersymmetry in 2 lepton final states****Speaker**

Mr Eirik Gramstad

18:30-18:45

**ZZ anomalous triple gauge couplings in ATLAS****Speaker**

Mr Kristian Gregersen

18:45-19:00

**Why and how develop new accelerators?****Speaker**

Prof. Tord Ekelöf

19:00