

**ATLAS workshop on tau
lepton physics 2009**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Preparing for First Physics

Wednesday, 15 April 2009 09:00 (20 minutes)

Presenter: LE COMPTE, Thomas (Argonne National Laboratory)

Contribution ID: 1

Type: **not specified**

Tau Reconstruction and Event Data Model

Thursday, 16 April 2009 09:00 (20 minutes)

Primary author: Dr BURGESS, Thomas (Department of Physics & Technology - University of Bergen)

Presenter: Dr BURGESS, Thomas (Department of Physics & Technology - University of Bergen)

Session Classification: Performance and Algorithms

Contribution ID: 2

Type: **not specified**

Cut-based Tau ID and Systematic Studies

Thursday, 16 April 2009 09:20 (15 minutes)

Presenter: GOSDZIK, Bjoern (Deutsches Elektronen Synchrotron (DESY))

Session Classification: Performance and Algorithms

Contribution ID: 3

Type: **not specified**

Developments on multi-variate Tau ID

Thursday, 16 April 2009 09:35 (20 minutes)

Presenters: ZEMLA, Andrzej Adam (Henryk Niewodniczanski Inst. Nucl. Physics, PAN-Unknown-Unknown); WOLTER, Marcin (Henryk Niewodniczanski Institute of Nuclear Physics PAN)

Session Classification: Performance and Algorithms

Contribution ID: 4

Type: **not specified**

Tau ID in busy environments

Thursday, 16 April 2009 09:55 (15 minutes)

Presenter: CONIAVITIS, Elias (IKP, Uppsala Universitet)

Session Classification: Performance and Algorithms

Contribution ID: 5

Type: **not specified**

Tau ID systematics with Min Bias Events, and overlay status

Thursday, 16 April 2009 10:10 (20 minutes)

Primary author: VICKEY, Trevor (University of Wisconsin)

Presenter: VICKEY, Trevor (University of Wisconsin)

Session Classification: Performance and Algorithms

Contribution ID: 6

Type: **not specified**

Tau Reconstruction Validation and Tau Tools

Thursday, 16 April 2009 11:00 (20 minutes)

Presenters: SAAVEDRA, Aldo (Falkiner High Energy Department - School of Physics - University); KOMARAGIRI, Jyothsna Rani (Department of Physics - Simon Fraser University); NATTERMANN, Till (Unknown)

Session Classification: Performance and Algorithms

Contribution ID: 7

Type: **not specified**

Derived Physics Data for Taus

Thursday, 16 April 2009 11:20 (20 minutes)

Presenter: BLUMENSCHN, Ulrike (Uni Goettingen)

Session Classification: Performance and Algorithms

Contribution ID: 8

Type: **not specified**

Tracking in Taus and MET DPD Validation

Thursday, 16 April 2009 11:40 (20 minutes)

Presenter: Dr LIMOSANI, Antonio (University of Melbourne)

Session Classification: Performance and Algorithms

Contribution ID: 9

Type: **not specified**

Conversion Track Tagging and other Track Studies in Tau Reconstruction

Thursday, 16 April 2009 12:00 (20 minutes)

Presenters: N. HANNINGER, Guilherme (Bonn University); BOEHLER, Michael (Deutsches Elektronen-Synchrotron (DESY)-Unknown-Unknown)

Session Classification: Performance and Algorithms

Contribution ID: **10**

Type: **not specified**

Pi0 Reconstruction in Tau Decays

Thursday, 16 April 2009 12:20 (15 minutes)

Presenter: JANUS, Michel (Kirchhoff-Institut fuer Physik (KIP)-Ruprecht-Karls-Universitaet)

Session Classification: Performance and Algorithms

Contribution ID: 11

Type: **not specified**

Tau Reconstruction with EflowRec Objects

Thursday, 16 April 2009 12:35 (15 minutes)

Presenter: FLEISCHMANN, Sebastian (U. Bonn)

Session Classification: Performance and Algorithms

Contribution ID: 12

Type: **not specified**

Workshop Registration

Contribution ID: **13**

Type: **not specified**

Workshop Registration

Wednesday, 15 April 2009 08:15 (45 minutes)

Contribution ID: 14

Type: **not specified**

Trigger menu for 10³¹

Wednesday, 15 April 2009 09:30 (15 minutes)

Primary author: IGONKINA, Olga (Nikhef)

Presenter: IGONKINA, Olga (Nikhef)

Session Classification: Tau trigger

Contribution ID: 15

Type: **not specified**

performance of tau trigger in release 15

Wednesday, 15 April 2009 09:45 (20 minutes)

Presenter: REINSCH, Andreas (University of Oregon)

Session Classification: Tau trigger

Contribution ID: 16

Type: **not specified**

L2 and EF tracking performance

Wednesday, 15 April 2009 10:05 (20 minutes)

Presenter: FARRINGTON, Sinead Marie (University of Oxford)

Session Classification: Tau trigger

Contribution ID: 17

Type: **not specified**

Tau Trigger efficiency determination

Wednesday, 15 April 2009 10:25 (15 minutes)

Presenter: Prof. TORRENCE, Eric (University of Oregon)

Session Classification: Tau trigger

Contribution ID: **18**

Type: **not specified**

Tau trigger performance in presence of pile up

Wednesday, 15 April 2009 11:15 (20 minutes)

Presenter: JEZ, Pavel (NBI Copenhagen)

Session Classification: Tau trigger

Contribution ID: 19

Type: **not specified**

EF calorimeter performance issues

Wednesday, 15 April 2009 11:35 (20 minutes)

Presenter: TSUNO, Soshi (University of Tokyo)

Session Classification: Tau trigger

Contribution ID: 20

Type: **not specified**

Optimization of tau cone size

Wednesday, 15 April 2009 11:55 (20 minutes)

Presenter: KADLECIK, Peter (Niels Bohr Institute (NBI)-Niels Bohr Inst. Astr., Phys, & Geo-U)

Session Classification: Tau trigger

Contribution ID: 21

Type: **not specified**

Tau trigger Data Quality

Wednesday, 15 April 2009 12:15 (15 minutes)

Presenter: SHAMIM, Mansoor (University of Oregon-Unknown-Unknown)

Session Classification: Tau trigger

Contribution ID: 22

Type: **not specified**

Overview of commissioning in LAr/Tile/HLT

Wednesday, 15 April 2009 14:00 (25 minutes)

Primary author: OLIVEIRA DAMAZIO, Denis (Brookhaven National Laboratory)

Presenter: OLIVEIRA DAMAZIO, Denis (Brookhaven National Laboratory)

Session Classification: Commissioning

Contribution ID: 23

Type: **not specified**

Overview of commissioning in ID

Wednesday, 15 April 2009 14:30 (20 minutes)

Primary author: VICKEY, Trevor (University of Wisconsin)

Presenter: VICKEY, Trevor (University of Wisconsin)

Session Classification: Commissioning

Contribution ID: 24

Type: **not specified**

ID Tracking and alignment performances

Wednesday, 15 April 2009 14:55 (20 minutes)

Primary author: Mr BRANDT, Oleg (University of Oxford)

Presenter: Mr BRANDT, Oleg (University of Oxford)

Session Classification: Commissioning

Contribution ID: 25

Type: **not specified**

Tracking software status and expected performance in tau events

Wednesday, 15 April 2009 15:20 (15 minutes)

Primary author: FLEISCHMANN, Sebastian (U. Bonn)

Presenter: FLEISCHMANN, Sebastian (U. Bonn)

Session Classification: Commissioning

Contribution ID: 26

Type: **not specified**

Jet/Etmiss commissioning

Wednesday, 15 April 2009 15:55 (20 minutes)

Primary author: BLUMENSCHHEIN, Ulrike (Uni Goettingen)

Presenter: BLUMENSCHHEIN, Ulrike (Uni Goettingen)

Session Classification: Commissioning

Contribution ID: 27

Type: **not specified**

Tau commissioning analysis

Wednesday, 15 April 2009 16:20 (15 minutes)

Primary author: DHALIWAL, Saminder (Unknown)

Presenter: DHALIWAL, Saminder (Unknown)

Session Classification: Commissioning

Contribution ID: **28**

Type: **not specified**

Tau Offline DQ

Wednesday, 15 April 2009 16:40 (20 minutes)

Primary author: DEMERS, Sarah Marie (SLAC)

Presenter: DEMERS, Sarah Marie (SLAC)

Session Classification: Commissioning

Contribution ID: 29

Type: **not specified**

W->taunu analysis

Thursday, 16 April 2009 14:00 (20 minutes)

Presenter: MALECKI, Pawel (Henryk Niewodniczanski Inst. Nucl. Physics, PAN)

Session Classification: Physics with 10-100 pb⁻¹

Contribution ID: **30**

Type: **not specified**

Z->tau-tau analysis for scales determination and cross section

Thursday, 16 April 2009 14:20 (30 minutes)

Presenters: PIZIO, Caterina (Universita degli Studi di Milano-Universita & INFN, Milano); KUEHN, Susanne (Albert-Ludwigs-Universitaet Freiburg)

Session Classification: Physics with 10-100 pb⁻¹

Contribution ID: 31

Type: **not specified**

Z->tau-tau-> muon-hadron analysis

Thursday, 16 April 2009 14:50 (20 minutes)

Presenter: REECE, Ryan David (Department of Physics and Astronomy - University of Pennsylvania)

Session Classification: Physics with 10-100 pb⁻¹

Contribution ID: 32

Type: **not specified**

Z->tau-tau->electron-hadron analysis

Thursday, 16 April 2009 15:10 (20 minutes)

Presenter: KACZMARSKA, Anna (IFJ PAN, Krakow, Poland)

Session Classification: Physics with 10-100 pb⁻¹

Contribution ID: 33

Type: **not specified**

Z->tau-tau studies for efficiency determination

Thursday, 16 April 2009 15:45 (20 minutes)

Presenters: FISCHER, Gordon (Institut fuer Physik-Humboldt-Universitaet zu Berlin-Unknown); BECHTLE, Philip (DESY)

Session Classification: Physics with 10-100 pb⁻¹

Contribution ID: 34

Type: **not specified**

Z->tau-tau analysis and QCD background

Thursday, 16 April 2009 16:05 (15 minutes)

Presenter: GRIFFITHS, Justin (Department of Physics, University of Washington)

Session Classification: Physics with 10-100 pb⁻¹

Contribution ID: 35

Type: **not specified**

Use of safe Tau variables for Z->tau-tau

Thursday, 16 April 2009 16:20 (15 minutes)

Presenter: GWILLIAM, Carl Bryan (Department of Physics - Oliver Lodge Laboratory - University of)

Session Classification: Physics with 10-100 pb⁻¹

Contribution ID: 36

Type: **not specified**

l+tau channels with NN cuts

Thursday, 16 April 2009 16:35 (15 minutes)

Presenter: PROTOPOPESCU, Serban Dan (Brookhaven National Laboratory (BNL)-Unknown-Unknown)

Session Classification: Physics with 10-100 pb⁻¹

Contribution ID: 37

Type: **not specified**

Measurement of fake tau leptons from QCD jets

Thursday, 16 April 2009 16:50 (15 minutes)

Presenter: UHLENBROCK, Mathias (Rheinische-Friedrich-Wilhelms- Univ.-Univ. Bonn, Physikalisches)

Session Classification: Physics with 10-100 pb⁻¹

Contribution ID: **38**

Type: **not specified**

Tauola Interface and MC Tester

Thursday, 16 April 2009 10:30 (15 minutes)

Presenter: DAVIDSON, Nadia (University of Melbourne)

Session Classification: Performance and Algorithms

Contribution ID: 39

Type: **not specified**

Tau trigger efficiency measurement with QCD jets

Wednesday, 15 April 2009 10:40 (20 minutes)

Presenter: SFYRLA, Anna

Session Classification: Tau trigger

Contribution ID: 40

Type: **not specified**

Toolkit for MC tuning on first data

Wednesday, 15 April 2009 12:30 (15 minutes)

Presenter: BELANGER-CHAMPAGNE, Camille (Dept. of Nuclear and Particle Phys.-University of Uppsala)

Session Classification: Tau trigger

Contribution ID: 41

Type: **not specified**

Taus in Real Data: MSSM Higgs Searches at CDF

Friday, 17 April 2009 10:00 (25 minutes)

Presenter: CUENCA ALMENAR, Cristobal (University of California, Irvine)

Session Classification: Discoveries with tau lepton

Contribution ID: 42

Type: **not specified**

Studies of Tau Polarization in $Z' \rightarrow \tau\tau$ Events

Friday, 17 April 2009 11:40 (20 minutes)

Presenter: CZYCZULA, Zofia (Henryk Niewodniczanski Institute of Nuclear Physics PAN)

Session Classification: Discoveries with tau lepton

Contribution ID: 43

Type: **not specified**

New Searches in the Higgs WG

Friday, 17 April 2009 10:30 (25 minutes)

Presenter: MOESER, Nicolas (Physikalisches Institut)

Session Classification: Discoveries with tau lepton

Contribution ID: 44

Type: **not specified**

The MSSM $h/H/A \rightarrow \tau\tau$ Project @ 14 TeV

Friday, 17 April 2009 11:00 (20 minutes)

Presenter: DAVEY, Will (Unknown)

Session Classification: Discoveries with tau lepton

Contribution ID: 45

Type: **not specified**

Sypersymmetry with tau final states in early data

Friday, 17 April 2009 12:05 (20 minutes)

Presenter: ZENDLER, Caroline

Session Classification: Discoveries with tau lepton