Hadronic Shower Simulation Workshop

Report of Contributions

Contribution ID: **0**   Type: **not specified**

Welcome

Wednesday, 6 September 2006 09:00 (10 minutes)

Primary author: ODDONE, Pier (Fermilab)

Presenter: ODDONE, Pier (Fermilab)

Session Classification: Hadronic Shower Simulation Programs - Overview 1

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **1**   Type: **not specified**

Geant4 Overview

Wednesday, 6 September 2006 09:10 (40 minutes)

Primary author: APOSTOLAKIS, John (CERN)

Presenter: APOSTOLAKIS, John (CERN)

Session Classification: Hadronic Shower Simulation Programs - Overview 1

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **2**   Type: **not specified**

Fluka Overview

Wednesday, 6 September 2006 09:50 (40 minutes)

Primary author: SALA, Paola (CERN)

Presenter: SALA, Paola (CERN)

Session Classification: Hadronic Shower Simulation Programs - Overview 1

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **3**   Type: **not specified**

Mars Overview

Wednesday, 6 September 2006 11:00 (40 minutes)

Primary author: MOKHOV, Nikolai (FERMILAB)

Presenter: MOKHOV, Nikolai (FERMILAB)

Session Classification: Hadronic Shower Simulation Programs - Overview 2

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **4** Type: **not specified**

MCNPX Overview

Wednesday, 6 September 2006 11:40 (40 minutes)

Primary author: MCKINNEY, Gregg (LANL)

Presenter: MCKINNEY, Gregg (LANL)

Session Classification: Hadronic Shower Simulation Programs - Overview 2

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **5**   Type: **not specified**

Colloquium: Hadron Showers and Hadron Calorimetry

Wednesday, 6 September 2006 16:00 (1 hour)

Primary author: GROOM, Don (Unknown)

Presenter: GROOM, Don (Unknown)

Session Classification: Colloquium: Hadronic Showers and Hadron Calorimetry

Contribution ID: **6**   Type: **not specified**

Overview & validation of CEM03.01 & LAQGSM03.01 generators for MCNP6, MCNPX, and MARS15

Thursday, 7 September 2006 09:00 (40 minutes)

Primary author: MASHNIK, Stepan (LANL)

Presenter: MASHNIK, Stepan (LANL)

Session Classification: Hadronic Shower Simulation Programs - Review, Validation, Modelling 1

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **9**   Type: **not specified**

MCNPX Transport in the Tabular Regime

Thursday, 7 September 2006 09:40 (40 minutes)

Primary author: HUGHES, Grady (LANL)

Presenter: HUGHES, Grady (LANL)

Session Classification: Hadronic Shower Simulation Programs - Review, Validation, Modelling 1

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **10**   Type: **not specified**

Results from MUSCAT

Thursday, 7 September 2006 10:50 (30 minutes)

Primary author: Dr ELLIS, Malcolm (Fermilab)

Presenter: Dr ELLIS, Malcolm (Fermilab)

Session Classification: Hadronic Shower Simulation Programs - Review, Validation, Modelling 2

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **11** Type: **not specified**

Modelling and validation in Mars

Thursday, 7 September 2006 11:20 (30 minutes)

Primary author: MOKHOV, Nikolai (FERMILAB)

Presenter: MOKHOV, Nikolai (FERMILAB)

Session Classification: Hadronic Shower Simulation Programs - Review, Validation, Modelling 2

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **12**   Type: **not specified**

Modelling in Geant4(Low and high energy models)

Thursday, 7 September 2006 11:50 (40 minutes)

Primary author: WRIGHT, Dennis (SLAC)

Presenter: WRIGHT, Dennis (SLAC)

Session Classification: Hadronic Shower Simulation Programs - Review, Validation, Modelling 2

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **13** Type: **not specified**

Validation in Geant4

Thursday, 7 September 2006 13:30 (35 minutes)

Primary author: KOI, Tatsumi (Unknown)

Presenter: KOI, Tatsumi (Unknown)

Session Classification: Hadronic Shower Simulation Programs - Review, Validation, Modelling 3

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **14**　　　　　　　　　　　　　　　　Type: **not specified**

Validation in Fluka

Thursday, 7 September 2006 14:05 (40 minutes)

Primary author:　SALA, Paola (INFN)

Presenter:　SALA, Paola (INFN)

Session Classification:　Hadronic Shower Simulation Programs - Review, Validation, Modelling 3

Track Classification:　Hadronic Shower Simulation Workshop

Contribution ID: **15**　　　　　　　　　　　　　　　　　　Type: **not specified**

MCNPX models and applications

Thursday, 7 September 2006 14:45 (40 minutes)

Primary author:　WATERS, Laurie (LANL)

Presenter:　WATERS, Laurie (LANL)

Session Classification:　Hadronic Shower Simulation Programs - Review, Validation, Modelling 3

Track Classification:　Hadronic Shower Simulation Workshop

Contribution ID: **16**   Type: **not specified**

Validation for heavy ions in PHITS

Thursday, 7 September 2006 15:55 (30 minutes)

Primary author: RONNINGEN, Reg (MSU)

Presenter: RONNINGEN, Reg (MSU)

Session Classification: Hadronic Shower Simulation Programs - Review, Validation, Modelling 4

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **17**　　　　　　　　　　　　　　　　　　Type: **not specified**

Grand Validation

Thursday, 7 September 2006 16:25 (40 minutes)

Primary author: STRIGANOV, Sergei (Fermilab)

Presenter: STRIGANOV, Sergei (Fermilab)

Session Classification: Hadronic Shower Simulation Programs - Review, Validation, Modelling 4

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **18**   Type: **not specified**

Structured Discussion

Thursday, 7 September 2006 17:05 (55 minutes)

Session Classification: Hadronic Shower Simulation Programs - Review, Validation, Modelling 4

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **19**   Type: **not specified**

Possibilities of new data in hadroproduction

Friday, 8 September 2006 09:00 (30 minutes)

Primary author: RAJA, Rajendran (Fermilab)

Presenter: RAJA, Rajendran (Fermilab)

Session Classification: Miscellaneous commentary

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **20**　　　　　　　　　　　　　　　　　　Type: **not specified**

Particle Flow Algorithm-needs, experience

Friday, 8 September 2006 09:30 (40 minutes)

Primary author:　Dr THOMSON, Mark (University of Cambridge)

Presenter:　Dr THOMSON, Mark (University of Cambridge)

Session Classification:　Miscellaneous commentary

Track Classification:　Hadronic Shower Simulation Workshop

Contribution ID: **21**   Type: **not specified**

Toward meaningful simulations of hadronic showers

Friday, 8 September 2006 10:10 (40 minutes)

Primary author: WIGMANS, Richard (Texas Tech)

Presenter: WIGMANS, Richard (Texas Tech)

Session Classification: Miscellaneous commentary

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **22**   Type: **not specified**

ATLAS Validation experience

Friday, 8 September 2006 11:10 (30 minutes)

Primary author: SALIHAGIC, Denis (Max-Planck-Institut fur Physik)

Presenter: SALIHAGIC, Denis (Max-Planck-Institut fur Physik)

Session Classification: Experience from Applications 1

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **23**   Type: **not specified**

Atmospheric neutrinos

Friday, 8 September 2006 11:40 (30 minutes)

Primary author: BARR, Giles (Nuclear Physics Laboratory)

Presenter: BARR, Giles (Nuclear Physics Laboratory)

Session Classification: Experience from Applications 1

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **24**   Type: **not specified**

The muon component in extensive air showers and its relation to hadronic multiparticle production

Friday, 8 September 2006 12:10 (20 minutes)

Primary author: MEURER, Christine (Forschungszentrum Karlsruhe)

Presenter: MEURER, Christine (Forschungszentrum Karlsruhe)

Session Classification: Experience from Applications 1

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **25** Type: **not specified**

CMS validation Experience

Friday, 8 September 2006 13:20 (30 minutes)

Primary author: PIPEROV, Stefan (Institute for Nuclear Research and Nuclear Energy (INRNE))

Presenter: PIPEROV, Stefan (Institute for Nuclear Research and Nuclear Energy (INRNE))

Session Classification: Experience from Applications 2

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **26** Type: **not specified**

MINOS experience

Friday, 8 September 2006 13:50 (30 minutes)

Primary author: KORDOSKY, Mike (UCL)

Presenter: KORDOSKY, Mike (UCL)

Session Classification: Experience from Applications 2

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **27**   Type: **not specified**

MINIBOONE experience

Friday, 8 September 2006 14:20 (30 minutes)

Primary author: LINK, Jonathan (Virginia Tech)

Presenter: LINK, Jonathan (Virginia Tech)

Session Classification: Experience from Applications 2

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **28** Type: **not specified**

Neutrino Cross section calculations

Friday, 8 September 2006 14:50 (30 minutes)

Primary author: DYTMAN, Steve (Pittsburgh)

Presenter: DYTMAN, Steve (Pittsburgh)

Session Classification: Experience from Applications 2

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **29**   Type: **not specified**

Fermilab Wine and Cheese Seminar: Summary of the HSS06 Workshop, and Further Hadronic Applications

Friday, 8 September 2006 16:00 (1 hour)

Primary author: WATERS, Laurie (LANL)

Presenter: WATERS, Laurie (LANL)

Session Classification: Fermilab Wine and Cheese Seminar: Summary of the HSS06 Workshop, and Further Hadronic Applications

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **30** Type: **not specified**

PHITS Overview

Wednesday, 6 September 2006 13:20 (40 minutes)

Primary author: NIITA, Koji (RIST)

Presenter: NIITA, Koji (RIST)

Session Classification: Hadronic Shower Simulation Programs - Overview 3

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **31** Type: **not specified**

DPMJET, QMD overview

Wednesday, 6 September 2006 14:00 (40 minutes)

Primary author: RANFT, Johannes (Fachbereich Physik)

Presenter: RANFT, Johannes (Fachbereich Physik)

Session Classification: Hadronic Shower Simulation Programs - Overview 3

Track Classification: Hadronic Shower Simulation Workshop

Contribution ID: **32**   Type: **not specified**

Structured Discussion

Wednesday, 6 September 2006 14:40 (50 minutes)

Session Classification: Hadronic Shower Simulation Programs - Overview 3

Track Classification: Hadronic Shower Simulation Workshop