Session HAD I:
Hadron code reviews
(Tuesday, October 24, a.m.)

HAD-I/I1
D. Filges, R.D. Neef, H. Schaal, G. Sterzenbach
The HERMES Monte Carlo Program System - a Versatile Tool for Spallation Physics Detector Applications
(amc169)

HAD-I/I2
N. Mokhov, O. Krivosheev
MARS Code Status
(amc183)

HAD-I/I3
H. Takada, S. Meigo, K. Niita
Present Status of Nucleon-meson Transport Code NMTC/JAERI
(amc081)

HAD-I/I4
P. Sala, A. Fassò, A.Ferrari, J. Ranft
FLUKA: Status and Perspectives for Hadronic Applications
(amc240)

HAD-I/I5
H.G. Hughes
Status of the MCNPX Transport Code
(amc242)

Session HAD II: Physics model calculations and data compilations

(Tuesday, October 24, a.m.)

HAD-II/I1
M. Chadwick
Physics model calculations and nuclear data evaluations: Enhanced simulation capability for transport codes
(amc239)

HAD-II/O1
A.I. Troufanov, G. Bondarenko
Monte Carlo for Radiation Physics and Particle Transport Simulation in Russia: Issues Other Than Physics
(amc136)

HAD-II/O2
A. Polanski, V. S. Barashenkov
Integral Nucleon- and Pion-Nucleus Cross-Sections for the Monte Carlo Transport Codes
(amc165)

HAD-II/O3
H. Iwase, T. Kurosawa, T. Nakamura, N. Yoshizawa, J. Funabiki
Development of Heavy Ion Transport Monte Carlo Code
(amc010)

HAD-II/O4
J. Ranft, R. Engel, S. Roesler
Baryon stopping in high energy collisions in the DPMJET-III model
(amc014)

Session HAD III: Applications I

(Tuesday, October 24, p.m.)

HAD-III/I1
N. Mokhov, S. Striganov, A. van Ginneken
Muons and Neutrinos at High-Energy Accelerators
(amc186)

HAD-III/I2
J.O. Johnson
Utilization of Monte Carlo Calculations in Radiation Transport Analysis to Support the Design of the Spallation Neutron Source (SNS)
(amc237)

HAD-III/O1
I. Koprivnikar, E. Schachinger
Deep Penetration Monte Carlo Calculations for the European Spallation Source ESS
(amc070)

HAD-III/O2
F. Goldenbaum, M. Enke, D. Filges, J. Galin, C-M. Herbach, D. Hilscher, U. Jahnke, A. Letourneau, B. Lott, R.-D. Neef, K. Nunighoff, N. Paul, A. Peghaire, L. Pienkowski, H. Schaal, U. Schroder, G.Sterzenbach, A. Tietze, J. Toke, and M. Wohlmuther
Validation of MC-Calculations of Spallation Reactions in Thin and Thick Targets in the GeV Range
(amc161)

HAD-III/O3
F.C. Difilippo
Design and Effects of the Proton Window of the Spallation Neutron Source
(amc049)

HAD-III/O4
Y. Kadi
The EA-MC Monte Carlo Code Package - A new approach to the Design of Accelerator Driven Systems
(amc033)

Session HAD IV:
Physics models for MC codes

(Wednesday, October 25, a.m.)

HAD-IV/I1
J. Ranft
Hadronic collisions: physics, models and event generators
(amc015)

HAD-IV/I2
J.P. Wellisch
On hadronic models in GEANT4
(amc105)

HAD-IV/O1
S. Roesler, R. Engel, J. Ranft
The Monte Carlo Event Generator DPMJET-III
(amc022)

HAD-IV/O2
V. Lara
Object Oriented Approach to Pre-equilibirium decays in Geant4
(amc051)

HAD-IV/O3
J. Furihata
The GEM code – The Generalized Evaporation Model and the fission model
(amc009)

Session HAD V: Applications II

(Wednesday, October 25, a.m.)

HAD-V/I1
J.V. Siebers
Application of Monte Carlo to Proton Beam Radiation Therapy
(amc189)

HAD-V/O1
Huang Liu Xing, CHEN Shi Bin, CHEN Yu Sheng
Monte Carlo Analysis of Correlation of Displacement Damage due to Neutrons, Protons, Electrons and Gamma Ray in Microelectronic Devices
(amc085)

HAD-V/O2
Noack, K.
Monte Carlo Transport Simulations of Neutral Gas and Fast Ion Dynamics During GDT Experiments
(amc062)

HAD-V/O3
M. Kraemer, O. Jakel, T. Haberer, G. Kraft, D. Schardt, D. Scholz, U. Weber
Treatment planning for carbon ion radiotherapy
(amc117)

HAD-V/O4
U. Titt, W.D. Newhauser, X. Yan, D.T. Dexheimer
Neutron Shielding Calculations for a Proton Therapy Facility
(amc191)

HAD-V/O5
T. Valentine, Y. Rugama, J. Munoz-Cobos, R. Perez
Coupling MCNP-DSP and LAHET Monte Carlo Codes for Designing Subcriticality Monitors for Accelerator Driven Systems
(amc019)

Session HAD VI:
Experiments and benchmarks

(Thursday, October 26, a.m.)

HAD-VI/I1

T.Nakamura, M.Sasaki, T.Nunomiya, E.Kim, T.Kurowasa, S.Taniguchi, H.Iwase, Y.Uwamino T.Shibata, S.Ito, A.Fukumura, D.R.Perry, P.Wright

Shielding Benchmark Experiments Through Concrete and Iron with High Energy Proton and Heavy Ion Accelerators

(amc013)

HAD-VI/O1

J. Masarik

Monte Carlo Simulation of Particle and Cosmogenic Nuclide Production in the Atmosphere

(amc093)

HAD-VI/O2

A.Tietze, R.-D. Neef, D.Filges, F.Goldenbaum, K.Nunighoff, N.Paul, Ch.Pohl, H.Schaal, G.Sterzenbach

MC-Simulation of Spallation Induced Reactions on Lead and Mercury Targets up to 24 GeV

(amc164)

HAD-VI/O3

J. Benlliure, P. Armbruster, M. Bernas, A. Boudard, E. Casarejos, S. Czajkowski, T. Enqvist, R. Legrain, S. Leray, B. Mustapha, J. Pereira, M. Praviko, F. Rejmund, M.V. Ricciardi, K.-H. Schmidt, C. Stephan, J. Taieb, L. Tassan-Got, C. Volant

New data and Monte Carlo Simulations on Residue Production in Spallation Reactions Relevant for the Design of Spalltion Sources

(amc162)

HAD-VI/O4

N.P. Barradas, C. Jeynes, R.P. Webb, A. Nejim

Determination of stopping power of ions in matter

(amc174)

HAD-VI/O5

S. Leray, A. Boudard, J. Cugnon, R. Legrain, C. Volant

Comparison of spallation neutron and residual nuclide production data with different Intra-Nuclear Cascade models

(amc243)

Session HAD VII:
MC methods and theory

(Thursday, October 26, a.m.)

HAD-VII/I1
M. Asai
Generic design of physics processes on GEANT4
(amc221)

HAD-VII/O1
M.A. Misdaq, O. Moutanabbir
A new Monte-Carlo computer code for evaluating single crystal materials average stopping powers for channeled light ions in the 1-7 MeV range
(amc029)

HAD-VII/O2
M. Kraemer
TRAX – Ion track structure simulations
(amc137)

HAD-VII/O3
A.K. Prinja, G. Dunham
Multigroup Boltzmann Fokker-Planck Approach for Ion Transport in Amorphous Media
(amc199)

HAD-VII/O4
L. Papiez, V. Tulovsky, V. Moskvin
A stochastic model of multiple scattering of charged particles: process, transport equation and solutions
(amc220)

HAD-VII/O5
I.I. Degtyarev, O.A. Liashenko, A.I. Blokhin, V.I. Belyakov-Bodin, I.A. Yazinin
Intermediate and High Energy Hadronic part of the RTS&T-2000 Code System: Physics Models and Code Verification
(amc135)

Session HAD-P (Poster Session)
Hadronic contributed papers
(Wednesday, October 25, p.m.)

HAD-P1
P.Arce, M. Maire, L. Urban, M. Wadhwa
Multiple scattering in GEANT4. A comparison with Molière theory and L3 detector data
(amc110)

HAD-P2
T. Sato, K. Shin, S. Ban, T.A. Gabriel, C.Y. Fu, H.S. Lee
PICA3, An Updated code of Photo-Nuclear Cascade Evaporation Code PICA95, and its Benchmark Experiments
(amc125)

HAD-P3
H. Duarte
An Improved IntraNuclear Cascade Model fro the High Energy Transport Codes
(amc106)

HAD-P4
A. Martin Sanchez, C.J. Bland, A. Fernandez Timon
Monte-Carlo Simulation as an Aid to Alpha-Particle Spectrometry
(amc071)

HAD-P5
V. Biryukov
Particle Transport in Crystal Lattices: Steering Particle Beams
(amc202)

HAD-P6
T. Kurosawa, T. Nakamura, H. Iwase, H. Sato, N. Nakao, Y. Uwamino, A. Fukumura
Measurement and Calculations of Secondary Particle Yields from 100 to 800 MeV/nucleon Heavy Ions
(amc011)

HAD-P7
A. Mitaroff, C. Birattari, M. Silari
Development of an Extended Range Bonner Sphere Spectrometer
(amc035)

HAD-P8
P. Neuhold
Influence of geometrical model on FLUKA-CMCS criticality calculations in a typical ADS prototype
(amc034)

HAD-P9
I.I. Degtyarev, O.A. Liashenko, A.I. Blokhin, V.I. Belyakov-Bodin, I.A. Yazynin
Low-Energy Hadronic Part of the RTS&T-2000 Code System: algorithms, systematical verification and applications
(amc134)

HAD-P10
A. Polanski, A.S. Galoyan, V.V. Uzhinskii
Simulation of nucleus-nucleus interaction in the framework of the FRITIOF model
(amc089)

HAD-P11
V. Vlachoudis, C. Borcea, A. Ferrari, Y. Kadi, V. Lacoste
Monte Carlo simulation of the neutron time of flight facility at CERN
(amc042)

HAD-P12
M. David, A. Maio, A. de Angelis, A. Gomes
Comparison between Pythia, Herwig and Isajet in tt events at the LHC
(amc233)