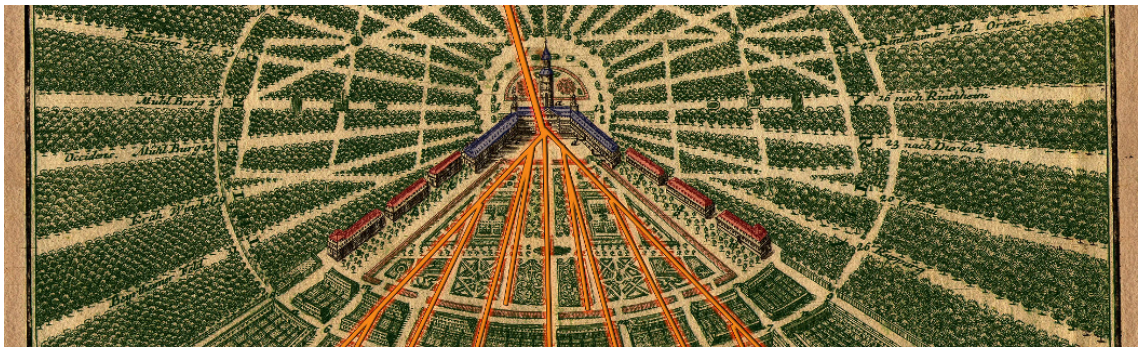
Session Program

Jun 17 – 20, 2019



CORSIKA Cosmic Ray Simulation Workshop Karlsruhe

Applications and requirements of CORSIKA

Hotel ACHAT PLAZA Karlsruhe
Mendelssohnplatz, 76131 Karlsruhe https://achat-hotels.com/hotel/karlsruhe-city

Mon, June 17

2:00 PM

Applications and requirements of CORSIKA

Session |
Location: Hotel ACHAT PLAZA Karlsruhe, Mendelssohnplatz, 76131 Karlsruhe https://achat-hotels.com/hotel/karlsruhe-city

14:00 – 14:20

Measured and simulated muon flux for the first KM3NeT Detection Units

Speaker
Piotr Kalaczyński

14:20 – 14:35

Corsika simulations of background in Baikal experiment

Speaker
Blahoslav Pastircak

14:35 – 15:00

Proton-Oxygen collisions at the LHC for air shower research

Speaker
Hans Dembinski

3:00 PM

Tue, June 18

2:15 PM

Applications and requirements of CORSIKA

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14:15 – 14:55 **Modeling of high energy cosmic ray interactions: selected topics**

Speaker
Sergey Ostapchenko

14:55 – 15:25
SMASH - a novel transport model to simulate low-energy hadronic interactions

Speaker
Anna Schäfer

15:30 – 16:00 **Coffee**

16:00 – 16:20
Opportunities with Calorimeters at LHC: How to solve the muon puzzle?

Speaker
Tanguy Pierog

16:20 – 16:40 **Zero-degree neutron measurements with CMS**

Speaker
Oliver Suranyi

16:40 – 17:00 **Results from the LHCf calorimeter**

Speaker
Takashi Sako

17:00 – 17:15 **Time of Flight detector for cosmic muons?**

Speaker
Gabor Veres

17:15 – 17:35 **GHOST - a new generator for nuclear collisions**

Speaker
Jean-Noel Capdevielle

5:40 PM

Wed, June 19

9:00 AM

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09:00 – 09:15 **Radio detection of extensive air showers**

Speaker
Tim Huege

09:15 – 09:35 **Use of CORSIKA for the IceTop Radio Enhancement**

Speaker
Alan Coleman

09:35 – 09:55 **Handling the metadata for large amount of CORSIKA simulations**

Speaker
Dmitriy Kostunin

09:55 – 10:15 **CORELib: COsmic Ray Event Library**

Speaker
Simona Maria Stellacci

10:30 AM

Thu, June 20

9:00 AM

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09:00 – 09:20 **Simulations for the atmosphere with clouds**

Speaker
Mario Pecimotika

09:20 – 09:40 **Testing modifications to hadronic intractions in air showers**

Speaker
Jan Ebr

9:40 AM