Session Program

Sep 21 – 23, 2015

COMPOSITION

Contributions

KIT Campus North, Bld 401 Room 410

Mon, September 21

3:20 PM

Contributions

Session | **Location:** KIT Campus North, Bld 401 Room 410

3:20 – 3:40 PM **Composition Results from Auger**

Speaker
Markus Roth

3:40 – 4:00 PM **Composition Results from TA and TALE**

Speaker
Douglas Bergman

4:00 PM

4:30 PM

Contributions

Session | **Location:** KIT Campus North, Bld 401 Room 410

4:30 – 4:50 PM **Performance and future Evolution of QGSJET**

Speaker
Sergey Ostapchenko

4:50 – 5:10 PM **Performance and future Evolution of EPOS**

Speaker
Tanguy Pierog

5:10 – 5:30 PM **Performance and future Evolution of SIBYLL**

Speaker
Felix Riehn

5:30 – 5:45 PM **CR acceleration at Supernova remnants / Galactic CR maximum Energy**

Speaker
Gwenael Giacinti

5:45 – 6:00 PM **Investigation of the Galactic Magnetic Field using Ultra-High Energy Cosmic Rays**

Speaker
Martin Erdmann

6:00 PM

Tue, September 22

9:00 AM

Contributions

Session | **Location:** KIT Campus North, Bld 401 Room 410

9:00 – 9:20 AM **Direct composition measurements: status and prospects**

Speaker
Stephane Coutu

9:20 – 9:30 AM

Composition measurements by direct Cherenkov light observed by IACTs

Speaker
Henrike Fleischhack

9:30 – 9:50 AM **HAWC: The high-altitude water Cherenkov gamma-ray observatory**

Speaker
Juan Carlos Arteaga-Velazquez

9:50 – 10:15 AM

Multi-parameter Measurements of CR Species for Their Knees as well as Argo-YBJ results

Speaker
Zhen Cao

10:15 – 10:35 AM **Overview of KASCADE-Grande results**

Speaker
Sven Schoo

10:35 – 10:55 AM **Elemental Composition of Cosmic Rays with Tunka-133**

Speaker
Sergey Epimakhov

10:55 AM

11:15 AM

Contributions

Session | **Location:** KIT Campus North, Bld 401 Room 410

11:15 – 11:30 AM **Measuring the Muon Content of Air Showers with IceTop**

Speaker
Javier Gonzales

11:30 – 11:45 AM

Cosmic Ray composition between ~1 PeV and ~1 EeV with 3 years of IceTop and IceCube data

Speaker
Sam de Ridder

11:45 AM – 12:05 PM **Neutrino-cosmic ray connection: The GRB case**

Speaker
Walter Winter

12:05 – 12:30 PM **Measurements at LHC and their relevance for air shower physics**

Speaker
Ralf Ulrich

12:30 – 12:45 PM **On hidden uncertainties in CORSIKA**

Speaker
Johannes Knapp

12:45 PM

2:00 PM

Contributions

Session | **Location:** KIT Campus North, Bld 401 Room 410

2:00 – 2:20 PM **Cosmic Ray accelerators seen with Gamma ray astronomy**

Speaker
Stefan Ohm

2:20 – 2:40 PM

CR anisotropy and composition in the sub-ankle region as a way to constrain the energy of the transition from Galactic to extragalactic CRs

Speaker
Gwenael Giacinti

2:40 – 3:00 PM **Prospects and benefits of using data from historic projects**

Speaker
Alan Watson

3:00 – 3:20 PM

EAS Composition Studies: Some Data and Physics in the last 25 Years

Speaker
James Matthews

3:30 PM

4:00 PM

Contributions

Session | **Location:** KIT Campus North, Bld 401 Room 410

4:15 – 4:30 PM

Transition from galactic to extragalactic cosmic rays: cosmic rays, secondary neutrinos and gamma rays

Speaker
Dmitri Semikoz

4:30 – 4:45 PM **Extragalactic Cosmic Rays in the Knee to Ankle Region**

Speaker
Andrew Taylor

4:45 – 5:00 PM **Cosmic Ray Physics with TeV Muons in Large Volume Detectors**

Speaker
Tom Gaisser

5:00 PM

Wed, September 23

9:00 AM

Contributions

Session | **Location:** KIT Campus North, Bld 401 Room 410

9:00 – 9:20 AM

Composition models: what to expect from known cosmic accelerators

Speaker
Martin Pohl

9:20 – 9:40 AM

Galactic cosmic ray composition in the escape model

Speaker
Michael KACHELRIESS

9:40 – 9:55 AM

Radio Xmax detection with LOFAR and AERA

Speaker
Jörg Hörandel

9:55 – 10:10 AM

Radio simulations and future multi-hybrid measurements

Speaker
Frank Schröder

10:10 – 10:25 AM

Mass composition using radio detection of EAS with SKA-low

Speaker
Anne Zilles

10:30 AM