Session Program

29 July 2015 to 6 August 2015





The Astroparticle Physics Conference

34th International Cosmic Ray Conference July 30 - August 6, 2015 The Hague, The Netherlands

ICRC2015

Poster 1 CR

World Forum Churchillplein 10 2517 JW Den Haag The Netherlands

Thursday 30 July

	r Session Location: World Forum, Amazon Foyer, Churchillplein 10 2517 JW Den Haag The Netherlan
	surement of the average electromagnetic longitudinal shower profile at th re Auger Observatory
Spea Franc	i ker isco Diogo
	he correlation of the angular and lateral distributions of electrons after iple scattering allowing for energy losses
Spea Prof.	l ker Maria Giller
-	TON AND LIGHT ION INTERACTIONS IN COSMIC RAY EXPERIMENT RATOSPHERE" IN COMPARISON WITH RECENT COLLIDER RESULTS
Spea Yerna	r Tautayev
	lations for CALET Energy Calibration Confirmed Using CERN-SPS Beam Tes
Spea Yosui	l ker Akaike
Appi Spea	ok at the Cosmic Ray Anisotropy with the Nonlocal Relativistic Transport roach Iker Inat Sibatov
Spea	ovel CubeSat-Sized Antiproton Detector for Space Applications Iker nomas Pöschl
A br	anching model for hadronic air showers
Spea Vladi	i ker mir Novotny
Muo	n Array with RPCs for Tagging Air showers (MARTA)
Spea Raul	ker Sarmento
High	<pre>\$p_\mathrm{T}\$ muons from cosmic ray air showers in IceCube</pre>
Spea	i ker ennis Soldin
Mr D	
	Influence of Magnetic Fields on UHECR Propagation from Virgo A
The Spea	

Speaker Ms Monica Nunes

A new version of the event generator Sibyll

Speaker

Ralph Richard Engel

Status and Prospects of the Auger Engineering Radio Array

Speaker Mr Johannes Schulz

Energy Spectrum and Mass Composition of Ultra-High Energy Cosmic Rays Measured with the Telescope Array Fluorescence Detector Using a Monocular Analysis

Speaker Toshihiro FUJII

Measurement of the water-Cherenkov detector response to inclined muons using an RPC hodoscope

Speaker Mr Pedro Assis

Neutrons produced by the Earth's crust due to Lunar and Solar tides

Speaker Dr Nikolay Volodichev

The Cosmic Ray Nuclear Composition Measurement Performance of the Non-Imaging CHErenkov Array (NICHE)

Speaker John Krizmanic

The study on the potential of muon measurements on the determination of the cosmic ray composition using a new fast simulation technique

Speaker Mario Pimenta

MEASUREMENT OF THE ISOTOPIC COMPOSITION OF HYDROGEN AND HELIUM NUCLEI IN COSMIC RAYS WITH THE PAMELA-EXPERIMENT

Speaker Wolfgang Menn

The lunar Askaryan technique: a technical roadmap

Speaker Justin Bray

Search for isotropic microwave radiation from electron beam in the atmosphere

Speaker Prof. Tokonatsu Yamamoto

Calibration of the LOFAR antennas

Speaker Jörg Hörandel

A method for reconstructing the muon lateral distribution with an array of segmented counters with time resolution

Speaker

Brian Wundheiler

Development of the Waseda CALET Operations Center (WCOC) for Scientific Operations of CALET

Speaker

Yoichi Asaoka

Investigation of angular distributions in the interaction of cosmic-ray particles with a dense target and comparison with data of the Large Hadron Collider.

Speaker

Yernar Tautayev

Inelastic and diffractive cross section measurements with the CMS experiment

Speaker

Colin Baus

LHAASO-WFCTA Optical System Optimization for High Precision Cherenkov Shower Reconstruction

Speaker Dr Chong Wang

The NICHE Array: status and plans

Speaker Douglas Bergman

Predicted CALET Measurements of Heavy and Ultra-Heavy Cosmic Ray Nuclei

Speaker

Dr Brian Flint Rauch

Performance and Operational Status of Muon Detectors in the Telescope Array Experiment

Speaker

Toshiyuki Nonaka

Seasonal variations in the intensity of muon bundles detected at the ground level

Speaker

Prof. Rostislav Kokoulin

Measuring the Muon Production Depth in Cosmic Ray Air Showers with IceTop

Speaker

Hershal Pandya

An IceTop Module for the IceCube MasterClass

Speaker Dr Hans Peter Dembinski

In-flight operations and status of the AMS-02 silicon tracker

Speaker Xiaoting Qin

The Guane Array of the LAGO Project

Study of UHECR Composition Using Telescope Array's Middle Drum Detector and Surface Array in Hybrid Mode

Speaker

Mr Jon Paul Lundquist

Azimuthal asymmetry in the Cherenkov radiation of EAS

Speaker

Mr Jorge Cotzomi

Cosmic Ray Shower Profile Track Finding for Telescope Array Fluorescence Detectors

Speaker Mr Jon Paul Lundquist

Cascade showers initiated by muons in the Cherenkov water detector NEVOD

Speaker Prof. Rostislav Kokoulin

New upper limit on strange quark matter flux with the PAMELA space experiment

Speaker Marco Ricci

Energy Spectrum and Mass Composition of Ultra-High Energy Cosmic Rays Measured by the hybrid technique in Telescope Array

Speakers Daisuke Ikeda, Dr William Hanlon

Telescope Array measurement of UHECR composition from stereoscopic fluorescence detection

Speakers

Dr Thomas Stroman, Dr Yuichiro Tameda

PAMELA'S MEASUREMENT OF GEOMAGNETICALLY TRAPPED AND ALBEDO PROTONS

Speaker Dr Alessandro Bruno

CALET measurements with cosmic nuclei: expected performances of tracking and charge identification

Speaker Paolo Brogi

Anisotropy search in the Ultra High Energy Cosmic Ray Spectrum in the Northern Hemisphere using the Telescope Array surface detector

Speaker Dr Toshiyuki Nonaka

Measuring the energy of cosmic-ray helium with the TRD of AMS-02

Speaker Andreas Obermeier

PAMELA'S MEASUREMENT OF GEOMAGNETIC CUTOFF VARIATIONS DURING SOLAR ENERGETIC PARTICLE EVENTS

Speaker

Dr Alessandro Bruno

Lightning Detection at the Pierre Auger Observatory

Speaker

Karl-Heinz Kampert

Development of a high efficient PMT Winston-cone system for fluorescence measurement of extensive air showers

Speaker

Karl-Heinz Kampert

The north-south asymmetry change during solar magnetic field reversal measured by PAMELA.

Speaker

Dr Alexander Karelin

Calibration of a fluorescence detector using a flying standard light source for the Telescope Array observatory

Speaker Mr Motoki Hayashi

Understanding the anisotropy of cosmic rays at TeV and PeV energies

Speaker Martin Pohl

Development of a High Altitude LAGO Site in Peru

Speaker Stephany Vargas

Local density spectra of electron and muon EAS components in primary energy range from 10^14 to 10^18 eV

Speaker

Mr Mikhail Amelchakov

Development of the TALE Surface Detector Array

Speaker Shoichi Ogio

Effects of Turbulent Magnetic Fields in Cosmic Ray Ansiotropy

Speaker Paolo Desiati

Search for Ultra-relativistic Magnetic Monopoles with the Pierre Auger Observatory

Speaker TOSHIHIRO FUJII

Modelling muon and neutron fluxes and spectra on the Earth's ground induced by primary cosmic rays

Speaker Blahoslav Pastirčák

The multi-sources M. C. collision generator GHOST for C R simulations at LHC energies

Speaker

Jean-Noël CAPDEVIELLE

AugerNext: R&D studies at the Pierre Auger Observatory for a next generation ground-based ultra-high energy cosmic ray experiment

Speaker

Andreas Haungs

The TUS orbital detector simulation

Speaker Dr Leonid Tkachev

CALET perspectives for calorimetric measurements of high energy electrons based on beam test results

Speaker Gabriele Bigongiari

Atmospheric monitoring at the Pierre Auger Observatory using the upgraded Central Laser Facility

Speaker carlos medina-hernandez

Parallelization schemes for AIRES's Monte Carlo

Speaker Leonardo Dominguez

Experimental method to measure the positron and electron fluxes in AMS-02

Speaker

Sami Caroff

Diffusion and Anisotropy of Cosmic Rays in the Galaxy: Beyond the Dipole

Speaker Olivier Deligny

Automated procedures for the Fluorescence Detector calibration at the Pierre Auger Observatory

Speaker Gaetano Salina

Transition radiation at radio frequencies from ultra-high energy neutrino-induced showers.

Speaker Pavel Motloch

Astrophysical expectations for the variation of the UHECR composition across the sky

Speaker Simon Bacholle

FAMOUS - A fluorescence telescope using SiPMs

Speaker

Thomas Bretz

Investigation of the flux of albedo muons with NEVOD-DECOR experimental complex

Speaker

Dr Semen Khokhlov

Time asymmetries in the Surface Detector signals of the Pierre Auger Observatory.

Speaker

Ignacio Minaya

Taiwan Astroparticle Radiowave Observatory for Geo-synchrotron Emissions (TAROGE)

Speaker

Prof. Jiwoo Nam

The Sites of the Latin American Giant Observatory

Speaker Dr Alberto Carramiñana Alonso

Search for UHE Photons with the Telescope Array Hybrid Detector

Speaker Katsuya Yamazaki

LHAASO-KM2A PMT test

Speaker Sun Zhandong

LARGE-SCALE ANISOTROPY OF TeV-BAND COSMIC RAYS

Speaker Rahul Kumar

The AMIGA Muon Counters of the Pierre Auger Observatory: Performance and Studies of the Lateral Distribution Function

Speaker Dr Brian Wundheiler

Search for energy dependent patterns in the arrival directions of cosmic rays at the Pierre Auger Observatory

Speaker Dr Tobias Winchen

Measuring cosmic ray ions fluxes with AMS-02

Speaker Dr Tescaro Diego

The effect of geomagnetic field on radio signal patterns from cosmic ray air showers

Speaker Mr Mohammad Sabouhi

ENERGY THRESHOLD DETERMINATION FOR AMIGA MUON COUNTERS VIA GEANT4 SIMULATION

Speaker

Mr Luiz Augusto Stuani Pereira

Modelling the Production of Cosmogenic Radionuclides due to Galactic and Solar Cosmic Rays

Speaker

Konstantin Herbst

Initial results of a direct comparison between the Surface Detectors of the Pierre Auger Observatory and of the Telescope Array

Speaker

Ryuji Takeishi

Calibration and sensitivity of large water-Cherenkov Detectors at the Sierra Negra site of LAGO

Speaker

Dr Alberto Carramiñana Alonso

Calibration of the TA Fluorescence Detectors with Electron Light Source

Speaker Bokkyun Shin

CORSIKA modification for rigidity dependent primary selection based on Geomagnetic cutoff rigidity for GRAPES-3 simulations

Speaker Mr Hari Haran Balakrishnan

Results from the Telescope Array from data collected in hybrid-trigger mode

Speaker Hisao Tokuno

Meteorological effects of muon component at the mountain muon detectors.

Speaker

Lev Pustilnik

Calibration of the absolute amplitude scale of the Tunka Radio Extension (Tunka-Rex)

Speaker Roman Hiller

Improving the universality reconstruction using independent measurements of water-Cherenkov detectors and additional muon counters

Speaker

Markus Roth

NuMoon: Status of ultra high energy particle searches with LOFAR

Speaker Sander ter Veen

New electronics for the surface detectors of the Pierre Auger Observatory

Speaker James Beatty

Testing for uniformity of UHECR arrival directions

Speaker

Anatoly Ivanov

ELLIPTIC FLOW in nuclear interaction of astroparticle at energy \$10^{16}\$ eV.

Speaker OLEG DALKAROV

Heavy ion beam test at CERN-SPS with the CALET Structure Thermal Model

Speaker

Tadahisa Tamura

Cosmic-ray positron measurements: on the origin of the e+ excess and limits on magnetar birthrate

Speaker

Catia Grimani

New software package of modelling of cosmic rays transport in the atmospherethe

Speaker

yury Balabin

Education, Outreach and Public Relations of the Pierre Auger Observatory

Speaker

Dr Charles Timmermans

The distribution of shower longitudinal profile widths as measured by Telescope Array in stereo mode

Speaker Douglas Bergman

Data Accessibility, Reproducibility and Trustworthiness with LAGO Data Repositories

Speaker Dennis Cazar Ramírez

Ultra-High Energy Air Shower Simulation without Thinning in CORSIKA

Speaker Dr Tanguy Pierog

Studying Cosmic Ray Composition with IceTop using Muon and Electromagnetic Lateral Distributions

Speaker

Javier Gonzalez

Investigation of the energy deposit of inclined muon bundles in the Cherenkov water detector NEVOD

Speaker Prof. Igor Yashin

R&D of EAS radio detection in China

Speaker

Dr Zhaoyang Feng

Nuclei charge measurement with AMS-02 Silicon Tracker

Speaker

Mrs Stefania Vitillo

The muon detector prototype AMD for the determination of the muon content in UHECRs

Speaker

Christine Peters

Sidereal anisotropy of Galactic cosmic ray observed by the Tibet Air Shower experiment and the IceCube experiment

Speaker

Prof. Kazuoki Munakata

16:30