

Session Program

July 29, 2015 to August 6, 2015



ICRC

The Astroparticle Physics Conference

34th International Cosmic Ray Conference

July 30 - August 6, 2015

The Hague, The Netherlands

ICRC2015

Poster 3 CR

World Forum
Churchillplein 10 2517 JW Den Haag The Netherlands

Tue, August 4

4:00 PM

Poster 3 CR

Poster Session | **Location:** World Forum, Amazon Foyer, Churchillplein 10 2517 JW Den Haag The Netherlands

Implementation in OFFline of the reconstruction code of the Infrared Camera of the JEM-EUSO Space Mission.

Speaker

Maria Rodriguez Frias

Analysis of Background Cosmic Ray Rate in the 2010-2012 Period from the LAGO-Chacaltaya Detectors

Speaker

Mr Christian Sarmiento-Cano

Night time measurement of the UV background by EUSO-Balloon

Speaker

Simon Mackovjak

UHECR acceleration at GRB internal shocks

Speaker

Noemie Globus

The JEM-EUSO global light system laser station prototype

Speaker

Patrick Hunt

Ground Calibration of MAPMT and SiPM for JEM-EUSO

Speaker

Michael Karus

Vela-X as main contributor to the electron and positron spectra at energy above 100 GeV

Speaker

Davide Rozza

Pattern recognition study for different levels of UV background in JEM-EUSO experiment

Speaker

Blahoslav Pastirčák

Photoelectron counting rate measurements in the UV camera during the EUSO-BALLOON night flight

Speaker

Julio Arturo Rabanal Reina

Expected acceptance of the KLYPVE/K-EUSO space-based mission for the observation of ultra-high energy cosmic rays

Speakers

Dr Francesco Fenu, Naoto Sakaki, Dr Yoshiyuki Takizawa

Magnetic field amplification by high Alfvén Mach number shocks in partially ionized plasmas

Speaker

Yutaka Ohira

EUSO-Balloon mission to record extensive air showers from near space

Speaker

Lawrence Wiencke

On galaxies as accelerators of cosmic rays

Speaker

Renat Sibatov

JEM-EUSO observational capabilities for different UHE primaries.

Speaker

Mr Alejandro Guzman

Intensity of Microwave Signals Expected from Molecular Bremsstrahlung Radiation in Extensive Air Showers

Speakers

Imen Al Samarai, Olivier Deligny

Constant Intensity Method in IceTop

Speaker

Mr Ramesh Koirala

Analysis of EUSO-Balloon data with Offline

Speaker

Beatrice Panico

Uncertainties on propagation parameters: impact on the interpretation of the positron fraction

Speaker

yoann genolini

Cosmic Ray Acceleration at Supernovae Occurring in Structured Environments

Speaker

Dr Gwenaél Giacinti

The Spanish Infrared Camera onboard the EUSO-Balloon (CNES) flight on August 24, 2014.

Speaker

Maria Rodriguez Frias

Tests of JEM-EUSO 1st level trigger using EUSO-Balloon data

Speaker

Dr Francesco Fenu

The Expected Angular Resolution Performance of the Tilted JEM-EUSO Instrument

Speaker

Dr Thomas Mernik

Effect of the regular galactic magnetic field on the propagation of galactic cosmic rays in the Galaxy

Speaker

Dr Shoko Miyake

Probing Efficient Cosmic-Ray Acceleration in Young Supernovae**Speaker**

Alexandre Marcowith

Cosmic rays: extragalactic and Galactic**Speaker**

Prof. Istomin Yakov

The Calibration of EUSO Balloon using airborne light sources mounted to a Helicopter**Speaker**

Dr James Adams

A production scenario of Galactic strangelets and an estimation of their possible flux in solar neighborhood**Speaker**

Mr Sayan Biswas

Absolute calibration of the photon detector module of the EUSO-Balloon experiment and improvements for future missions**Speaker**

Mr Camille Moretto

On the Combined Analysis of Muon Shower Size and Depth of Shower Maximum**Speaker**

Jakub Vicha

Simulation study on the detection of high energy electrons and gamma rays with the newly upgraded Tibet ASgamma experiment**Speakers**

Prof. Ding Chen, Prof. Jing Huang, Prof. M. Shibata, Dr Xu Chen

Constraints on the extragalactic magnetic fields from the NVSS Faraday rotation measures**Speaker**

Maxim Pshirkov

Weibel instability in anisotropically inhomogeneous plasmas**Speaker**

Sara Tomita

Consistent description of leptonic and hadronic spectra in cosmic rays**Speaker**

Nicola Tomassetti

Performance of the Spanish Infrared Camera onboard the EUSO-BALLOON (CNES) flight on August 24, 2014.**Speakers**

Jose Luis Sánchez, Maria Rodriguez Frias

A new design for simulation and reconstruction software for the JEM-EUSO mission

Speaker

Thomas Paul

Cosmic ray PeVatrons: where are they?

Speaker

Vladimir Zirakashvili

Shower reconstruction performance of the new Tibet hybrid experiment consisting of YAC-II, Tibet-III and MD arrays

Speakers

Prof. Ding Chen, Prof. Jing Huang, Dr L.M. Zhai, Prof. M. Shibata, Dr Y. Katayose

Determination of the sensitivity and the detection performances of the UV camera pixels of the EUSO-BALLOON instrument

Speaker

Sylvie Dagoret-Campagne

Adventures in Inflation And Cosmic Microwave Background - The future of the cosmos.

Speaker

Rashmi Johnson

The Angular Resolution of the JEM-EUSO Mission: an updated view

Speaker

Dr Thomas Mernik

Reacceleration of electrons in supernova remnants

Speaker

Prof. Martin Pohl

Study of Water Cherenkov muon detector parameters and performances for LHAASO

Speaker

Huihai He

EUSO-TA, a ground precursor to JEM-EUSO telescope at the Telescope Array site

Speaker

Marco Ricci

Constraints on acceleration of ultra high-energy cosmic rays in Fermi gamma-ray sources

Speaker

Ms Mika Kagaya

Search for significant background fluctuations in the EUSO-Balloon data

Speaker

Ms Aera JUNG

CLOUD TOP HEIGHT ESTIMATION FROM WRF MODEL: APPLICATION TO THE INFRARED CAMERA ONBOARD EUSO-BALLOON (CNES)

Speakers

Jose Luis Sánchez, Maria Rodriguez Frias

Determination of source spectra of ultrahigh energy cosmic rays**Speaker**

Svetlana Rogovaia

EAS spectrum in thermal neutrons measured with PRISMA-32**Speaker**

Anatoly Petrukhin

EUSO-Balloon trigger efficiency in preparation of a long duration flight**Speaker**

Simon Bacholle

Measurement of the cosmic-ray nuclear composition using cherenkov detectors at Mount Chacaltaya**Speaker**

ryoichi katsuya

Spectral Intensities of Antiprotons and the Lifetime of Cosmic Rays in the Galaxy**Speaker**

Prof. Ramanath Cowsik

Mini-EUSO: a pathfinder for JEM-EUSO to measure Earth's UV background from the ISS.**Speaker**

Dr Marco Ricci

The Simulation of cosmic rays in EUSO--Balloon: performances of the direction and energy reconstruction**Speaker**

Dr Francesco Fenu

PCR energy spectrum and composition above the knee: new approach to experimental data interpretation**Speaker**

Prof. Anatoly Petrukhin

The Data Processor System of EUSO Balloon: in flight performance.**Speakers**

Dr Giuseppe Osteria, Dr Valentina Scotti

Cloud Optical Depth obtained from the Infrared Camera data and the UV Flashers mounted on a helicopter flying under the EUSO-Balloon (CNES)**Speakers**

Jose Luis Sánchez, Maria Rodriguez Frias

ELECTRON HEATING IN A RELATIVISTIC, WEIBEL-UNSTABLE PLASMA**Speaker**

Rahul Kumar

On the primary model to explain the relation between a rigidity-dependent spectral hardening of proton and helium spectra and a sharp knee of the all-particle spectrum.

Speakers

Prof. Jing Huang, Dr Ying Zhang

EUSO-Balloon: Observation and Measurement of Tracks from a Laser in a Helicopter

Speaker

Johannes Eser

An Additional Component Blurring the Transition between Galactic and Extragalactic Cosmic Rays?

Speaker

Olivier Deligny

Monte Carlo simulations of proton acceleration in colliding wind binaries

Speaker

Emanuele Grimaldo

Constraints of the entropic index of Tsallis statistics in the context of hadronic collisions at ultra high energies using measures of the depth of maximum of air showers

Speaker

Dr Rogerio M. de Almeida

Cloud Monitoring using Nitrogen Laser for LHAASO Experiment

Speakers

Fengrong Zhu, Shoushan Zhang, Yong Zhang, Zhandong Sun, Zhen Cao

The Weather Research and Forecasting (WRF) model contribution to the atmospheric conditions estimation during the EUSO-Balloon experiment

Speaker

Mario Bertaina

YAC sensitivity for measuring the light-component spectrum of primary cosmic rays at the "knee" energies

Speakers

Prof. Ding Chen, Prof. Jing Huang, Dr L.M. Zhai, Prof. M. Shibata, Dr Y. Katayose

A CORSIKA study on the influence of muon detector thresholds on the separability of primary cosmic rays at highest energies

Speaker

Sarah Mueller

The EUSO@TurLab project'

Speaker

Prof. Rossella Caruso

Performance of the EUSO-BALLOON optics

Speaker

Mr camille catalano

On the gravitational quantum states of helium atoms in the gravitational field of a cold neutron star

Speaker

Prof. OLEG DALKAROV

The dominance of secondary nuclei in the cosmic radiation and the modulation of the nuclear species at the injection of the galactic accelerator

Speaker

Antonio Codino

Are inclined air showers from cosmic rays the most suitable to radio detection?

Speaker

Mr Mohammad Sabouhi

The new horizon disclosed by the measurements of the chemical composition of the cosmic radiation above the ankle energy

Speaker

Antonio Codino

Equations of anomalous diffusion of cosmic rays

Speaker

Prof. Mamadsho Ilolov

A new method to determine air shower propagation direction based on radio signal patterns

Speaker

Mr Mohammad Sabouhi

The Ankle, the Knee and the Principle of Constant Spectral Indices in Cosmic Ray Physics

Speaker

Prof. Antonio Codino

Towards a SiPM based fluorescence camera for JEM-EUSO

Speaker

Andreas Haungs

The JEM-EUSO energy and X_{\max} reconstruction performances

Speaker

Dr Francesco Fenu

Phenomenological description of young massive star clusters

Speaker

Dr Giovanni Lamanna

Spatial Evolution of Nonresonant Instabilities in the Precursors of Young Supernova Remnant Shocks

Speaker

Prof. Jacek Niemiec

Do Ultrahigh Energy Cosmic Rays Originate in our Galaxy?

Speaker

Prof. David Eichler

Study of short-time X-ray variability of knots of Centaurus A jet**Speaker**

Artem Bohdan

The Atmospheric Science of JEM-EUSO**Speakers**

Andrii Neronov, Maria Rodriguez Frias

Calibration of the TA-EUSO Prototype Instrument**Speaker**

Dr James Adams

Transient luminous events registered with a ground pinhole**Speaker**

Epifanio Ponce

A Cockcroft-Walton High-Voltage Power Supply for the EUSO Instruments**Speaker**

Simon Bacholle

Transport of magnetic turbulence in supernova remnants**Speaker**

Robert Brose

Evaluation of scientific performance of JEM-EUSO mission with Space-X Dragon option**Speaker**

Dr Kenji Shinozaki

Fragmentation cross-sections and model uncertainties in propagation of Galactic cosmic rays**Speaker**

Nicola Tomassetti

Inhomogeneous diffusion model for recent data on high-energy cosmic rays**Speaker**

Nicola Tomassetti

Preliminary results from the first EUSO-Balloon flight**Speaker**

Mario Bertaina

Hadronic interactions of primary cosmic rays with the FLUKA code**Speaker**

Mario Nicola Mazziotta

Studies on Time Profiles of EAS Particles Observed with the Telescope Array Surface Detectors**Speaker**

Prof. INOUE Naoya

K-EUSO: An improved optical system for KLYPVE Ultra-High Energy cosmic ray space telescope

5:00 PM

Speaker

Dr Kajino Fumiyoshi