



# ICRC2015

## Thursday, July 30, 2015

### Poster 1 CR - Amazon Foyer (3:30 PM - 4:30 PM)

[id] title	presenter	board
[1226] <b>Lightning Detection at the Pierre Auger Observatory</b>	KAMPERT, Karl-Heinz	136
[751] <b>Atmospheric monitoring at the Pierre Auger Observatory using the upgraded Central Laser Facility</b>	MEDINA-HERNANDEZ, carlos	137
[503] <b>AugerNext: R&amp;D studies at the Pierre Auger Observatory for a next generation ground-based ultra-high energy cosmic ray experiment</b>	HAUNGS, Andreas	138
[507] <b>Automated procedures for the Fluorescence Detector calibration at the Pierre Auger Observatory</b>	SALINA, Gaetano	139
[473] <b>Education, Outreach and Public Relations of the Pierre Auger Observatory</b>	Dr TIMMERMANS, Charles	140
[145] <b>New electronics for the surface detectors of the Pierre Auger Observatory</b>	BEATTY, James	141
[679] <b>Status and Prospects of the Auger Engineering Radio Array</b>	Mr SCHULZ, Johannes	142
[327] <b>Calibration of the absolute amplitude scale of the Tunka Radio Extension (Tunka-Rex)</b>	HILLER, Roman	143
[831] <b>R&amp;D of EAS radio detection in China</b>	Dr FENG, Zhaoyang	144
[1100] <b>Taiwan Astroparticle Radiowave Observatory for Geo-synchrotron Emissions (TAROGÉ)</b>	Prof. NAM, Jiwoo	145
[57] <b>The Cosmic Ray Nuclear Composition Measurement Performance of the Non-Imaging Cherenkov Array (NICHE)</b>	KRIZMANIC, John	146
[833] <b>LHAASO-WFCTA Optical System Optimization for High Precision Cherenkov Shower Reconstruction</b>	Dr WANG, Chong	147
[859] <b>Development of the TALE Surface Detector Array</b>	OGIO, Shoichi	148
[1085] <b>Calibration of the LOFAR antennas</b>	HÖRANDEL, Jörg	149
[150] <b>LHAASO-KM2A PMT test</b>	ZHANDONG, Sun	150
[1294] <b>NuMoon: Status of ultra high energy particle searches with LOFAR</b>	TER VEEN, Sander	151
[667] <b>Simulations for CALET Energy Calibration Confirmed Using CERN-SPS Beam Tests</b>	AKAIKE, Yosui	154
[499] <b>A Novel CubeSat-Sized Antiproton Detector for Space Applications</b>	Mr PÖSCHL, Thomas	155
[810] <b>Muon Array with RPCs for Tagging Air showers (MARTA)</b>	SARMENTO, Raul	156
[1018] <b>Performance and Operational Status of Muon Detectors in the Telescope Array Experiment</b>	NONAKA, Toshiyuki	157
[419] <b>Search for isotropic microwave radiation from electron beam in the atmosphere</b>	Prof. YAMAMOTO, Tokonatsu	158
[1327] <b>Development of a High Altitude LAGO Site in Peru</b>	VARGAS, Stephany	159
[837] <b>The NICHE Array: status and plans</b>	BERGMAN, Douglas	160
[790] <b>Predicted CALET Measurements of Heavy and Ultra-Heavy Cosmic Ray Nuclei</b>	Dr RAUCH, Brian Flint	161

<b>[1335] In-flight operations and status of the AMS-02 silicon tracker</b>	QIN, Xiaoting	162
<b>[1238] The Guane Array of the LAGO Project</b>	SARMIENTO-CANO, Christian	163
<b>[533] The lunar Askaryan technique: a technical roadmap</b>	BRAY, Justin	165
<b>[518] The muon detector prototype AMD for the determination of the muon content in UHECRs</b>	PETERS, Christine	166
<b>[510] CALET measurements with cosmic nuclei: expected performances of tracking and charge identification</b>	BROGI, Paolo	167
<b>[1223] Development of a high efficient PMT Winston-cone system for fluorescence measurement of extensive air showers</b>	KAMPERT, Karl-Heinz	168
<b>[1345] Calibration of a fluorescence detector using a flying standard light source for the Telescope Array observatory</b>	Mr HAYASHI, Motoki	169
<b>[365] An IceTop Module for the IceCube MasterClass</b>	Dr DEMBINSKI, Hans Peter	170
<b>[501] CALET perspectives for calorimetric measurements of high energy electrons based on beam test results</b>	BIGONGIARI, Gabriele	171
<b>[960] FAMOUS - A fluorescence telescope using SiPMs</b>	BRETZ, Thomas	172
<b>[658] The TUS orbital detector simulation</b>	Dr TKACHEV, Leonid	173
<b>[1109] The Sites of the Latin American Giant Observatory</b>	Dr CARRAMIÑANA ALONSO, Alberto	174
<b>[1191] Calibration and sensitivity of large water-Cherenkov Detectors at the Sierra Negra site of LAGO</b>	Dr CARRAMIÑANA ALONSO, Alberto	175
<b>[1190] Data Accessibility, Reproducibility and Trustworthiness with LAGO Data Repositories</b>	CAZAR RAMÍREZ, Dennis	176
<b>[712] Measurement of the water-Cherenkov detector response to inclined muons using an RPC hodoscope</b>	Mr ASSIS, Pedro	177
<b>[487] Heavy ion beam test at CERN-SPS with the CALET Structure Thermal Model</b>	TAMURA, Tadahisa	178
<b>[594] Development of the Waseda CALET Operations Center (WCOC) for Scientific Operations of CALET</b>	ASAOKA, Yoichi	179
<b>[877] Calibration of the TA Fluorescence Detectors with Electron Light Source</b>	SHIN, Bokkyun	180
<b>[44] CORSIKA modification for rigidity dependent primary selection based on Geomagnetic cutoff rigidity for GRAPES-3 simulations</b>	Mr BALAKRISHNAN, Hari Haran	181
<b>[64] Understanding the anisotropy of cosmic rays at TeV and PeV energies</b>	POHL, Martin	182
<b>[124] Neutrons produced by the Earth's crust due to Lunar and Solar tides</b>	Dr VOLODICHEV, Nikolay	183
<b>[133] A Look at the Cosmic Ray Anisotropy with the Nonlocal Relativistic Transport Approach</b>	Dr SIBATOV, Renat	184
<b>[152] LARGE-SCALE ANISOTROPY OF TeV-BAND COSMIC RAYS</b>	KUMAR, Rahul	185
<b>[215] On the correlation of the angular and lateral distributions of electrons after multiple scattering allowing for energy losses</b>	Prof. GILLER, Maria	186
<b>[227] Transition radiation at radio frequencies from ultra-high energy neutrino-induced showers.</b>	MOTLOCH, Pavel	187
<b>[234] The effect of geomagnetic field on radio signal patterns from cosmic ray air showers</b>	Mr SABOUHI, Mohammad	188
<b>[495] A branching model for hadronic air showers</b>	NOVOTNY, Vladimir	189
<b>[521] The Influence of Magnetic Fields on UHECR Propagation from Virgo A</b>	KOBZAR, Oleh	190

<b>[653] Modelling muon and neutron fluxes and spectra on the Earth's ground induced by primary cosmic rays</b>	PASTIRČÁK, Blahoslav	191
<b>[656] Effects of Turbulent Magnetic Fields in Cosmic Ray Anisotropy</b>	DESIATI, Paolo	192
<b>[750] Parallelization schemes for AIRES's Monte Carlo</b>	DOMINGUEZ, Leonardo	193
<b>[758] Diffusion and Anisotropy of Cosmic Rays in the Galaxy: Beyond the Dipole</b>	DELIGNY, Olivier	194
<b>[802] Ultra-High Energy Air Shower Simulation without Thinning in CORSIKA</b>	Dr PIEROG, Tanguy	195
<b>[966] Astrophysical expectations for the variation of the UHECR composition across the sky</b>	BACHOLLE, Simon	196
<b>[1033] The multi-sources M. C. collision generator GHOST for C R simulations at LHC energies</b>	CAPDEVIELLE, Jean-Noël	197
<b>[1051] Modelling the Production of Cosmogenic Radionuclides due to Galactic and Solar Cosmic Rays</b>	HERBST, Konstantin	198
<b>[79] Cosmic-ray positron measurements: on the origin of the e<sup>+</sup> excess and limits on magnetar birthrate</b>	GRIMANI, Catia	199
<b>[1150] ELLIPTIC FLOW in nuclear interaction of astroparticle at energy <math>10^{16}</math> eV.</b>	DALKAROV, OLEG	200
<b>[1241] New software package of modelling of cosmic rays transport in the atmosphere</b>	BALABIN, yury	201
<b>[1313] A new version of the event generator Sibyll</b>	ENGEL, Ralph Richard	203
<b>[140] Testing for uniformity of UHECR arrival directions</b>	IVANOV, Anatoly	204
<b>[195] Investigation of angular distributions in the interaction of cosmic-ray particles with a dense target and comparison with data of the Large Hadron Collider.</b>	TAUTAYEV, Yernar	205
<b>[211] PROTON AND LIGHT ION INTERACTIONS IN COSMIC RAY EXPERIMENT "STRATOSPHERE" IN COMPARISON WITH RECENT COLLIDER RESULTS</b>	TAUTAYEV, Yernar	206
<b>[235] ENERGY THRESHOLD DETERMINATION FOR AMIGA MUON COUNTERS VIA GEANT4 SIMULATION</b>	Mr PEREIRA, Luiz Augusto Stuani	207
<b>[287] High <math>p_{\mathrm{T}}</math> muons from cosmic ray air showers in IceCube</b>	Mr SOLDIN, Dennis	208
<b>[369] Measuring the Muon Production Depth in Cosmic Ray Air Showers with IceTop</b>	PANDYA, Hershhal	209
<b>[378] MEASUREMENT OF THE ISOTOPIC COMPOSITION OF HYDROGEN AND HELIUM NUCLEI IN COSMIC RAYS WITH THE PAMELA-EXPERIMENT</b>	MENN, Wolfgang	210
<b>[452] Sidereal anisotropy of Galactic cosmic ray observed by the Tibet Air Shower experiment and the IceCube experiment</b>	Prof. MUNAKATA, Kazuoki	211
<b>[514] Measuring the energy of cosmic-ray helium with the TRD of AMS-02</b>	OBERMEIER, Andreas	212
<b>[517] PAMELA'S MEASUREMENT OF GEOMAGNETIC CUTOFF VARIATIONS DURING SOLAR ENERGETIC PARTICLE EVENTS</b>	Dr BRUNO, Alessandro	213
<b>[519] PAMELA'S MEASUREMENT OF GEOMAGNETICALLY TRAPPED AND ALBEDO PROTONS</b>	Dr BRUNO, Alessandro	214
<b>[537] The study on the potential of muon measurements on the determination of the cosmic ray composition using a new fast simulation technique</b>	PIMENTA, Mario	215
<b>[557] Search for energy dependent patterns in the arrival directions of cosmic rays at the Pierre Auger Observatory</b>	Dr WINCHEN, Tobias	216

<b>[573] The north-south asymmetry change during solar magnetic field reversal measured by PAMELA.</b>	Dr KARELIN, Alexander	217
<b>[683] Investigation of the energy deposit of inclined muon bundles in the Cherenkov water detector NEVOD</b>	Prof. YASHIN, Igor	218
<b>[704] Search for Ultra-relativistic Magnetic Monopoles with the Pierre Auger Observatory</b>	FUJII, TOSHIHIRO	219
<b>[714] Energy Spectrum and Mass Composition of Ultra-High Energy Cosmic Rays Measured with the Telescope Array Fluorescence Detector Using a Monocular Analysis</b>	FUJII, Toshihiro	220
<b>[746] The AMIGA Muon Counters of the Pierre Auger Observatory: Performance and Studies of the Lateral Distribution Function</b>	Dr WUNDHEILER, Brian	221
<b>[806] Studying Cosmic Ray Composition with IceTop using Muon and Electromagnetic Lateral Distributions</b>	GONZALEZ, Javier	222
<b>[808] The distribution of shower longitudinal profile widths as measured by Telescope Array in stereo mode</b>	BERGMAN, Douglas	223
<b>[846] New upper limit on strange quark matter flux with the PAMELA space experiment</b>	RICCI, Marco	224
<b>[870] Meteorological effects of muon component at the mountain muon detectors.</b>	PUSTILNIK, Lev	225
<b>[873] Results from the Telescope Array from data collected in hybrid-trigger mode</b>	TOKUNO, Hisao	226
<b>[883] Search for UHE Photons with the Telescope Array Hybrid Detector</b>	YAMAZAKI, Katsuya	227
<b>[902] Cascade showers initiated by muons in the Cherenkov water detector NEVOD</b>	Prof. KOKOULIN, Rostislav	228
<b>[905] Telescope Array measurement of UHECR composition from stereoscopic fluorescence detection</b>	Dr STROMAN, Thomas Dr TAMEDA, Yuichiro	229
<b>[906] Energy Spectrum and Mass Composition of Ultra-High Energy Cosmic Rays Measured by the hybrid technique in Telescope Array</b>	IKEDA, Daisuke Dr HANLON, William	230
<b>[918] Seasonal variations in the intensity of muon bundles detected at the ground level</b>	Prof. KOKOULIN, Rostislav	231
<b>[972] Local density spectra of electron and muon EAS components in primary energy range from <math>10^{14}</math> to <math>10^{18}</math> eV</b>	Mr AMELCHAKOV, Mikhail	232
<b>[1004] Anisotropy search in the Ultra High Energy Cosmic Ray Spectrum in the Northern Hemisphere using the Telescope Array surface detector</b>	Dr NONAKA, Toshiyuki	233
<b>[1037] Investigation of the flux of albedo muons with NEVOD-DECOR experimental complex</b>	Dr KHOKHLOV, Semen	235
<b>[1054] Initial results of a direct comparison between the Surface Detectors of the Pierre Auger Observatory and of the Telescope Array</b>	TAKEISHI, Ryuji	236
<b>[1083] A method for reconstructing the muon lateral distribution with an array of segmented counters with time resolution</b>	WUNDHEILER, Brian	237
<b>[1097] Zenithal dependence of muon intensity</b>	Ms NUNES, Monica	238
<b>[1103] Time asymmetries in the Surface Detector signals of the Pierre Auger Observatory.</b>	MINAYA, Ignacio	239
<b>[1117] Improving the universality reconstruction using independent measurements of water-Cherenkov detectors and additional muon counters</b>	ROTH, Markus	240
<b>[1143] Measurement of the average electromagnetic longitudinal shower profile at the Pierre Auger Observatory</b>	DIOGO, Francisco	242
<b>[1206] Measuring cosmic ray ions fluxes with AMS-02</b>	Dr DIEGO, Tescaro	243

<b>[1218] Experimental method to measure the positron and electron fluxes in AMS-02</b>	CAROFF, Sami	244
<b>[1221] Nuclei charge measurement with AMS-02 Silicon Tracker</b>	Mrs VITILLO, Stefania	245
<b>[1328] Inelastic and diffractive cross section measurements with the CMS experiment</b>	BAUS, Colin	246
<b>[1330] Study of UHECR Composition Using Telescope Array's Middle Drum Detector and Surface Array in Hybrid Mode</b>	Mr LUNDQUIST, Jon Paul	247
<b>[1332] Cosmic Ray Shower Profile Track Finding for Telescope Array Fluorescence Detectors</b>	Mr LUNDQUIST, Jon Paul	248
<b>[1333] Azimuthal asymmetry in the Cherenkov radiation of EAS</b>	Mr COTZOMI, Jorge	249