

Wednesday, July 24th

18:00	Pre-Registration	Main Lounge
18:00	Welcome Party	Great Hall

Thursday, July 25th

8:00	Registration	Annex Room
8:30	Opening Session: Welcome and Awards	Shannon Hall
	Welcome Address by Albrecht Karle, Chair of the LOC	
	Welcome Address by Eric Wilcots	
	Brief Remarks by France Cordova, Director of the NSF	
	Opening Remarks and Awards by Sunil Gupta, Chair of the C4 Commission of the IUPAP	
10:00	Coffee Break	Shannon Hall Lobby
10:30-12:00	Highlight Talks Convener: Ralph Engel	Shannon Hall
10:30	H1: Highlights from the Pierre Auger Observatory and prospects for AugerPrime	Antonella Castellina
11:00	H2: Non-Gamma-ray Applications of TeV Telescopes	Michael Daniel
11:30	H3: Major Changes in Understanding of GRBs: Discovery of Teraelectron Volt Gamma-Ray Emission	Razmik Mirzoyan
12:00	Lunch	On Own
Parallel Session 1		
13:30-15:00	Cosmic Ray Indirect Convener: Pierre Sokolsky	Shannon Hall
13:30	CRI1a: Observing Ultrahigh-energy Cosmic Rays with Prototypes of Fluorescence Detector Array of Single-pixel Telescopes (FAST) in Both Hemispheres	Toshihiro Fujii
13:45	CRI1b: Status and prospects of the TAx4 experiment	Eiji Kido
14:00	CRI1c: Results from the First Missions of the JEM-EUSO Program	Francesco Fenu
14:15	CRI1d: Search for Ultra-High Energy Cosmic Rays from Space - the JEM-EUSO Program	Mario E. Bertaina
14:30	CRI1e: Cosmic Ray Extremely Distributed Observatory: Status and Perspectives of a Global Cosmic Ray Detection Framework	Dariusz Góra
14:45	CRI1f: The GRANDProto300 experiment	Valentin Decoene
13:30-15:00	Gamma Ray Indirect Convener: J. Vandenbrouke	Historical Society
13:30	GAI1a: Status and First Results of the LHAASO Experiment	Huihai He

13:45	GAI1b: The H.E.S.S. experiment : current status and future prospects	Heike Prokoph
14:00	GAI1c: The Cherenkov Telescope Array	Daniel Mazin
14:15	GAI1d:	
14:30	GAI1e: Status of the Davies Cotton and Schwarzschild-Coude Medium Sized Telescopes for the Cherenkov Telescope Array	Jean-Francois Glicenstein
14:45	GAI1f: Cherenkov Telescope Array Science: A multi-wavelength and multi-messenger perspective	Ulisses Barres De Almeida
13:30-15:00	Neutrino Convener: Aya Ishihara	Pyle Center Rm. 313
13:30	NU1a: Multi-messenger interpretation of neutrinos from TXS 0506+056	Walter Winter
13:45	NU1b: Calorimetric Neutrino Expectations from Bright Blazar Flares	Michael Kreter
14:00	NU1c: The Pros and Cons of Beyond Standard Model Interpretations of ANITA Events	T. J. Weiler
14:15	NU1d: High-energy neutrinos from interactions in the Local Bubble	Makarim Bouyahiaoui
14:30	NU1e: Neutrinos and UHECR nuclei from blazars: from a single-source model to a population study	Xavier Rodrigues
14:45	NU1f: High-energy neutrinos from individual blazar flares	Foteini Oikonomou
13:30-15:00	Cosmic Ray Direct Convener: Stephane Coutu	Play Circle
13:30	CRD1a: Antiproton Flux and Properties of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the ISS	Cheng Zhang
13:45	CRD1b: AMS-02 Antiprotons are Consistent with a Secondary Astrophysical Origin	Mathieu Boudaud
14:00	CRD1c: Features in Cosmic-Ray Lepton Data Unveil the Properties of Nearby Cosmic Accelerators	Ottavio Fornieri
14:15	CRD1d: Search for Cosmic-Ray Antideuterons with BESS-Polar II	Kenichi Sakai
14:30	CRD1e:	
14:45	CRD1f: GAPS: Searching for Dark Matter using Antinuclei in Cosmic Rays	Ralph Bird
13:30-15:00	Solar & Heliospheric Convener: Eric Christian	Pyle Center Rm. 309
13:30	SH1a: Voyager 2 Observations of the Anisotropy of Anomalous Cosmic Rays in the Heliosheath	Alan Cummings
13:45	SH1b: Acceleration of Anomalous Cosmic Rays: Solar Cycle Variations	Jozsef Kota

14:00	SH1c: A new set of self-consistent very local interstellar spectra for electrons, positrons, protons and light nuclei	Driaan Bisschoff
14:15	SH1d: QuarkNet Coordination in Outreach for the Cosmic Ray Experiment During a Solar Eclipse	Mark Adams
14:30	SH1e: Study of the solar magnetic field influence on the cosmic ray Sun shadow	Yuncheng Nan
14:45	SH1f:	
15:00	Poster Session 1	
Parallel Session 2		
16:30-18:30	Cosmic Ray Indirect Convener: Serap Tilav	Shannon Hall
16:30	CRI2a: Latest Results from the KASCADE-Grande Data Analysis	Andreas Haungs
16:45	CRI2b: The Results of 5 Years Study of Cosmic Rays Above 10 PeV with Differential Cherenkov Detectors	Valentina Mokhnachevskaya
17:00	CRI2c: Xmax reconstruction and mass composition of cosmic rays with LOFAR	Stijn Buitink
17:15	CRI2d: TALE FD Cosmic Rays Composition Measurement	Tareq AbuZayyad
17:30	CRI2e: Energy Generation Rates of Ultrahigh-Energy Cosmic-Ray Nuclei	Yu Jiang
17:45	CRI2f: Telescope Array 10 Year Composition	William F. Hanlon
18:00	CRI2g: Mass Composition of Cosmic Rays with Energies above $10^{17.2}$ eV from the Hybrid Data of the Pierre Auger Observatory	Alexey Yushkov
18:15	CRI2h: Estimating the Depth of Shower Maximum using the Surface Detectors of the Pierre Auger Observatory	Carlos J. Todero Peixoto
16:30-18:30	Gamma Ray Indirect Convener: Jamie Holder	Historical Society
16:30	GAI2a: H.E.S.S. Observations of Pulsars at Very High Energies	Marion Spir-Jacob
16:45	GAI2b: First HAWC Spectra of Galactic Gamma-ray Sources Above 100 TeV and the Implications for Cosmic-ray Acceleration	Kelly Malone
17:00	GAI2c: Constraining the Properties of the Interstellar Turbulence around Geminga using HAWC Measurements	Gwenael Giacinti
17:15	GAI2d: Shedding (gamma) light on the cosmic ray population in the Galactic Center region	Sofia Ventura
17:30	GAI2e: A Survey of TeV Emission from Galactic Supernova Remnants with HAWC	Henrike Fleischhack
17:45	GAI2f: Discovery of the TeV Emission from the Jet Interaction Regions of SS 433 with HAWC	Hao Zhou
18:00	GAI2g: Detection of the Geminga pulsar with MAGIC	Marcos López

18:15	GAI2h: A complementary view on the galactic plane in TeV gamma rays by HAWC and H.E.S.S.	Armelle Jardin-Blicq
16:30-18:30	Cosmic Ray Direct Convener: Masaki Mori	Pyle Center Rm. 313
16:30	CRD2a: Observation of Complex Time Structures in the Cosmic-Ray Electron and Positron Fluxes by the Alpha Magnetic Spectrometer on the ISS	Matteo Duranti
16:45	CRD2b: Towards Understanding the Origin of Cosmic-Ray Electrons	Weiwei Xu
17:00	CRD2c: Extended Measurement of Cosmic-Ray Electron and Positron Spectrum from CALET on the ISS	Shoji Torii
17:15	CRD2d: GALPROP Code for Galactic Cosmic Ray Propagation and Associated Photon Emissions	Igor Moskalenko
17:30	CRD2e: Observation of time evolution of cosmic ray electron and positron flux with Dark Matter Particle Explorer	Jingjing Zang
17:45	CRD2f: Cosmic Ray Electron and Positron Spectrum with the PAMELA Experiment	Vladimir Mikhailov
18:00	CRD2g: Multi messenger constraints to the emission of cosmic ray electrons	Fiorenza Donato
18:15	CRD2h: Towards Understanding the Origin of Cosmic-Ray Positrons	Zhili Weng
16:30-18:30	Solar & Heliospheric Convener: Ilya Usoskin	Pyle Center Rm. 309
16:30	SH2a: Solar Modulation of Galactic Cosmic-Ray Electrons Measured with CALET	Shoko Miyake
16:45	SH2b: Numerical Modeling of Galactic Cosmic Ray Proton and Helium Observed by AMS-02 During the Solar Maximum of Solar Cycle 24	Claudio Corti
17:00	SH2c: Time dependence of the proton and helium fluxes measured by PAMELA during solar minimum (2006 - 2009)	Nadir Marcelli
17:15	SH2d: Isotope solar modulation with the PAMELA experiment	Riccardo Munini
17:30	SH2e: Solar modulation of cosmic rays in a semi-analytical framework	Marco Kuhlen
17:45	SH2f: Neutron Monitor Time-delay Measurements to Track Cosmic Ray Spectral Variation Due to Solar Modulation at High and Low Cutoff Rigidity	Paul Evenson
18:00	SH2g: Effects of scattering parameters on charge-sign-dependent cosmic ray modulation	Mabedle Donald Ngobeni
18:15	SH2h:	
16:30-18:30	Neutrino Convener: Tom Weiler	Play Circle
16:30	NU2a: Determining the fraction of cosmic-ray protons at ultra-high energies with cosmogenicneutrinos	Arjen van Vliet
16:45	NU2b:	

17:00	NU2c: Fundamental Physics with High-Energy Astrophysical Neutrinos Today and in the Future	Mauricio Bustamante
17:15	NU2d: Flaring Rate Distribution of Gamma-Ray Blazars and Implications for High-Energy Neutrino Emission	Kenji Yoshida
17:30	NU2e: Expectations from the assumption of hadron-hadron collisions for high energy neutrinos	Carlo Mascaretti
17:45	NU2f:	
18:00	NU2g: Multi-Messenger Connection among High-Energy Cosmic Particles	Kohta Murase
18:15	NU2h: Measurement of the high-energy all-flavor neutrino-nucleon cross section with IceCube	Tianlu Yuan
18:30-20:30	Diversity Panel with Amy Wendt + Ice Cream Social	Old Madison, 3rd Floor

Friday, July 26th

8:00	Registration	Annex Room
8:30	Review Talks Convener: Veronique Van Elewyck	Shannon Hall
8:30	RE1: A Brief History of Neutrino Astronomy	Francis Halzen
9:15	RE2	Katherine Blundell
10:00	Coffee Break	Shannon Hall Lobby
10:30-12:00	Highlight Talks Convener: Fiorenza Donato	Shannon Hall
10:30	H4: High-energy neutrinos from persistent and transient activities of compact objects	Ke Fang
11:00	H5: Highlights from the Telescope Array	Shoichi Ogio
11:30	H6: Multi-Messenger Observations of GRBs: The GW connection	Elisabetta Bissaldi
12:00	Lunch	On Own
Parallel Session 1		
13:30-15:00	Cosmic Ray Indirect Convener: Andreas Haungs	Shannon Hall
13:30	CRI3a: Status and First Result of LHAASO-WCDA	Mingjun Chen
13:45	CRI3b: The Scintillator Upgrade of IceTop: Performance of the Prototype Array	Matt Kauer
14:00	CRI3c: IceTop as veto for IceCube: results	Delia Tosi
14:15	CRI3d: Simulation and real data analysis of the LHAASO-WCDA dynamic range extension system	XiuRong Li
14:30	CRI3e: Modeling the LAGO's detectors response to secondary particles at ground level from the Antarctic to Mexico	Jesus Peña

14:45	CRI3f: EUSO-TA ground based fluorescence detector: analysis of the detected events	Francesca Bisconti
13:30-15:00	Gamma Ray Indirect Convener: Reshmi Mukherjee	Historical Society
13:30	GAI3a: Gamma Hadron separation using traditional single parameter method and multivariate algorithms with LHAASO-WCDA experiment	Xiaojie Wang
13:45	GAI3b: Status of the Large Size Telescopes of the Cherenkov Telescope Array	Juan Cortina
14:00	GAI3c: Cherenkov Telescope Array Potential in PeVatron Search	E. Oguzhan Angüner
14:15	GAI3d: A next-generation ground-based gamma-ray survey observatory in the southern hemisphere	Harm Schoorlemmer
14:30	GAI3e: Astrophysical measurements with the VERITAS Stellar Intensity Interferometer	Nolan Matthews
14:45	GAI3f: Latest news from the HAWC outrigger array	Vincent Marandon
13:30-15:00	Neutrino Convener: Kohta Murase	Pyle Center Rm. 313
13:30	NU3a: Search for neutrinos in IceCube from the local anisotropic universe using 2MRS	Stephen Sclafani
13:45	NU3b: ANTARES search for point sources of neutrinos with 9 yr of data: a likelihood stacking analysis	Julien Aublin
14:00	NU3c: Searching for High-Energy Neutrino Emission from TeV Pulsar Wind Nebulae	Qinrui Liu
14:15	NU3d: Recent Results from the Askaryan Radio Array	Amy Connolly
14:30	NU3e: Searches for Ultra-High-Energy Neutrinos with ANITA	Cosmin Deaconu
14:45	NU3f: A search for counterparts to ANITA neutrino candidates with IceCube	Alex Pizzuto
13:30-15:00	Cosmic Ray Direct Convener: Scott Nutter	Play Circle
13:30	CRD3a: SuperTIGER Abundances of Galactic Cosmic-Rays for the Charge Interval Z=41-56	Nathan Walsh
13:45	CRD3b: Measurements of Heavy Cosmic Ray Nuclei Fluxes with CALET	Yosui Akaike
14:00	CRD3c: CALET Ultra Heavy Cosmic Ray Observations on the ISS	Brian Rauch
14:15	CRD3d: Elemental Source Composition Measurements and the Origin of Galactic Cosmic Rays	Martin Israel
14:30	CRD3e: Galactic Cosmic Ray Energy Spectra for Heavy Elements (Ne to Zn) from ~0.8 to ~10 GeV/nuc with the SuperTIGER Instrument	Allan W. Labrador
14:45	CRD3f: The Heavy Nuclei eXplorer	John Mitchell

13:30-15:00	Gamma Ray Direct Convener: Francesco de Palma	Festival Room
13:30	GAD1a: Study of the Variable Broadband Emission of Markarian 501 during the Most Extreme Swift X-ray Activity	Julian Sitarek
13:45	GAD1b: High-energy emission from GRBs: 10 years with Fermi-LAT	Elisabetta Bissaldi
14:00	GAD1c: Radiative Signatures of Relativistic Reconnection in Blazar Jets	Ian Christie
14:15	GAD1d: Fermi-LAT Observations of Gamma-Ray Emission Towards the Outer Halo of M31	Chris Karwin
14:30	GAD1e: Systematic search for gamma-ray periodicity in Fermi-LAT blazars	Pablo Peñil
14:45	GAD1f: Very-high-energy GRB events in novel Fermi-LAT photon data and their emission mechanism	Mitsunari Takahashi
15:00	Poster Session 1	
Parallel Session 2		
16:30-18:30	Cosmic Ray Indirect Convener: Karl-Heinz Kampert	Shannon Hall
16:30	CRI4a: Primary Cosmic-ray Spectra and Composition in the Energy Range of 50 TeV-10 ¹⁶ eV with the New Tibet Hybrid Experiment (YAC-II + Tibet-III + MD)	Jing Huang
16:45	CRI4b: Energy spectrum and composition measurements of cosmic rays from GRAPES-3 experiment	Fahim Varsi
17:00	CRI4c: The spectrum of the light component of TeV cosmic rays measured with HAWC	J.C. Arteaga-Velazquez
17:15	CRI4d: Low Energy Cosmic Ray Spectrum from 250 TeV to 10 PeV using IceTop	Ramesh Koirala
17:30	CRI4e: First Results from NICHE and the NICHE-TALE Hybrid Detector	Douglas R. Bergman
17:45	CRI4f: The Cosmic Ray Energy Spectrum above 2 PeV measured by the TALE Fluorescence Telescopes	Jihee Kim
18:00	CRI4g: Telescope Array Low energy Extension(TALE) Hybrid	Shoichi Ogio
18:15	CRI4h: The Cosmic Ray Spectrum of Light Component above 10TeV Measured by LHAASO Experiment	Zhiyong You
16:30-18:30	Gamma Ray Indirect Convener: Martin Pohl	Historical Society
16:30	GAI4a: Highlights from the Observations of the Milky Way with H.E.S.S.	Nukri Komin
16:45	GAI4b: Observation of Gamma-ray Emission Above 10 TeV from the Super Nova Remnant G106.3+2.7 with the Tibet Air Shower Array and the Muon Detector Array	Takashi Sako
17:00	GAI4c: Deep MAGIC observations of the Galactic Center region	Christian Fruck

17:15	GAI4d: MAGIC observations of Dragonfly Nebula using the Very Large Zenith Angle technique at energies above TeV	Darko Zaric
17:30	GAI4e: Probing Particle Diffusion around Two Nearby Pulsars with TeV Gamma-Ray Observations from HAWC	Hao Zhou
17:45	GAI4f: The population of TeV gamma-ray sources in the Milky Way: the hidden part of the iceberg	Constantin B. Steppa
18:00	GAI4g:	
18:15	GAI4h:	
16:30-18:30	Neutrino Convener: Subir Sarkar	Pyle Center Rm. 313
16:30	NU4a: Measurement of the diffuse astrophysical muon-neutrino spectrum with ten years of IceCube data	Jöran Stettner
16:45	NU4b: Characterization of the Astrophysical Diffuse Neutrino Flux with High-Energy Starting Events and Prospects for Future Measurements with IceCube	Austin Schneider
17:00	NU4c: Atmospheric Neutrinos Detected with the First KM3NeT Detection Units of ARCA and ORCA	Jannik Hofestädt
17:15	NU4d: Model Independent Unfolding of the Atmospheric Neutrino Event Rate by Volume in the 0.1-600 GeV Range	Joakim Sandroos
17:30	NU4e: Bounds on Diffuse and point source fluxes of ultra-high energy neutrinos with the Pierre Auger Observatory	Francisco Pedreira
17:45	NU4f: The Baikal-GVD neutrino telescope: cascade events results	Rastislav Dvornický
18:00	NU4g: Study of the high-energy neutrino diffuse flux with the ANTARES neutrino telescope	Luigi Antonio Fusco
18:15	NU4h: Model-independent Measurement of the Atmospheric Muon Neutrino Energy Spectrum up to 2.5 PeV	Jan Soedingrekso
16:30-18:30	Cosmic Ray Direct Convener: Igor Moskalenko	Play Circle
16:30	CRD4a: Anisotropy of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the ISS	Iris Gebauer
16:45	CRD4b: Model of Cosmic Ray Knee in the Case of Anisotropic Diffusion	Makarim Bouyahiaoui
17:00	CRD4c: Cosmic Rays and Magnetic Fields in the Core and Halo of the Starburst M82: Implications for Galactic Winds	Benjamin J. Buckman
17:15	CRD4d: Penetration of Cosmic Rays into Dense Molecular Clouds	Alexei Ivlev
17:30	CRD4e: Anisotropy Searches with DAMPE	Maria Munoz
17:45	CRD4f: A Novel Analytical Model of the Magnetic Field Configuration and Gas Distribution in the Galactic Center	Mehmet Guenduez
18:00	CRD4g: Cosmic ray small-scale anisotropies in quasi-linear theory	Philipp Mertsch
18:15	CRD4h: An All-sky Search for Cosmic-ray Proton Anisotropy with the Fermi Large Area Telescope	Justin Vandenbroucke

16:30-18:30	Solar & Heliospheric Convener: DuToit Strauss	Pyle Center Rm. 309
16:30	SH3a: Providing Long-term Measurements of 5 - 50 MeV/nucleon Proton and Helium Intensities – A new Data Product for SOHO/EPHIN	Patrick Kühl
16:45	SH3b: Solar Energetic particles at pileup collisions of the multiple-shock	Xin Wang
17:00	SH3c:	
17:15	SH3d: The Large Energetic Storm Particle Event of September 18, 2017 Observed by STEREO-A	Richard A Mewaldt
17:30	SH3e: Occurrence of 3He-rich Solar Energetic Particles near Earth and Close to the Sun	Mark E. Wiedenbeck
17:45	SH3f: The Influence of Coronal Mass Ejection Characteristics on the Spread of Solar Energetic Particles	C.M.S. Cohen
18:00	SH3g: Statistical study of solar energetic electron spectra with STEREO/SEPT	Patrick Kuehl
18:15	SH3h: Temperatures of Large Solar X-ray Events and Associated CME Speeds	Stephen Kahler
19:30-20:30	Public Lecture – Hess Memorial Lecture by Alan Watson Host: Thomas Gaisser	Shannon Hall
	The Origins of the Highest Energy Particles in Nature – Where We've Got to and Where We Go Next	Alan Watson

Saturday, July 27th

8:00	Registration	Annex Room
8:30	Review Talks Convener: Joakim Edsjö	Shannon Hall
8:30	RE3: Thermal WIMPs on the Brink	Tim Linden
9:15	RE4: Exploring the Extreme Universe with Gamma-ray Observatories	Reshmi Mukherjee
10:00	Coffee Break	Shannon Hall Lobby
10:30-12:00	Highlight Talks Convener: Joerg Hörandel	Shannon Hall
10:30	H7: The CALorimetric Electron Telescope (CALET) on the International Space Station	Yoichi Asaoka
11:00	H8: Recent Results of Cosmic Ray Measurements from IceCube and IceTop	Dennis Soldin
11:30	H9: Latest Results from the Alpha Magnetic Spectrometer on the International Space Station	Bruna Bertucci
12:00	Lunch	On Own
Parallel Session 1		
13:30-15:00	Neutrino Convener: Enrique Zas	Shannon Hall
13:30	NU5a: Search for Neutrino Emission in IceCube's Archival Data from the Direction of IceCube Alert Events	Martina Karl

13:45	NU5b: ANTARES-IceCube Combined Search for Neutrino Point Sources in the Southern Hemisphere	Giulia Illuminati
14:00	NU5c: All Sky Time-Integrated Point Source Searches using 10 years of IceCube Data.	Tessa Carver
14:15	NU5d: Search for High-energy Neutrinos from AGN Cores	Federica Bradascio
14:30	NU5e: Search for Astronomical Neutrino from Blazar TXS0506+056 in Super-Kamiokande	Kaito Hagiwara
14:45	NU5f: Searching for Time-Dependent Neutrino Emission from Blazars	Erin O'Sullivan
13:30-15:00	Cosmic Ray Indirect Convener: Anatoli Fedynitch	Historical Society
13:30	CRI5a: The Effects of the Galactic Magnetic Field on UHECR From Local Sources	Andrew, M. Taylor
13:45	CRI5b: Evidence for UHECR Origin in Starburst Galaxies	Jorge F. Soriano
14:00	CRI5c: Search for magnetically-induced signatures in the arrival directions of ultra-high energy cosmic rays measured by the Pierre Auger Observatory	Marcus Wirtz
14:15	CRI5d: Developments in Modeling the Galactic Magnetic Field	Glennys Farrar
14:30	CRI5e: Propagation of Ultra-high-energy Cosmic Rays in the Magnetized Cosmic Web	Jihyun Kim
14:45	CRI5f: New constraints on galactic CRE transport from radio continuum observations	Ralf-Juergen Dettmar
13:30-15:00	Cosmic Ray Indirect Convener: Ralph Engel	Pyle Center Rm. 313
13:30	CRI6a: Latest results for Proton-proton Cross Section Measurements with the TOTEM experiment at LHC.	Francesco Cafagna
13:45	CRI6b: Future Proton-Oxygen Beam Collisions at the LHC for Air Shower Physics	Hans Dembinski
14:00	CRI6c: The results and future prospects of the LHCf experiment	Hiroaki Menjo
14:15	CRI6d: Measurements of the very-forward energy in pp collisions at the LHC and constraints for cosmic ray air showers	Sebastian Baur
14:30	CRI6e: The Cosmic-Ray Program of the NA61/SHINE facility at the CERN SPS	Michael Unger
14:45	CRI6f: Collective Hadronization and Air Showers: Can LHC Data Solve the Muon Puzzle ?	Tanguy Pierog
13:30-15:00	Solar & Heliospheric Convener: Richard Mewaldt	Play Circle
13:30	SH4a: Cosmic-ray variability on the multi-millennial time scale: A new multi-proxy reconstruction	Ilya Usoskin
13:45	SH4b: Obtaining a History of the Flux of Cosmic Rays using In Situ Cosmogenic Carbon-14 Trapped in Polar Ice	Segev BenZvi

14:00	SH4c: Spectra of solar energetic particle and galactic cosmic rays over a million years reconstructed using aluminium-26 data from lunar rocks	Stepan V. Poluianov
14:15	SH4d: Long-term variation of galactic cosmic ray intensity observed with the Nagoya multidirectional muon detector	Kazuoki Munakata
14:30	SH4e: 27-Day Modulation of Cosmic Ray Intensities During the Last Two Solar Minima	Richard A. Leske
14:45	SH4f: The heliospheric modulation of electrons and positrons over a complete solar cycle	Aslam OPM
13:30-15:00	Gamma Ray Direct Convener: Scott Wakely	Festival Room
13:30	GAD2a: Shell like Supernova Remnants Observed with Fermi-LAT	Francesco de Palma
13:45	GAD2b: Gamma-ray Spectral and Morphological study of HESS J1912+101 observed by MAGIC and Fermi-LAT	David Green
14:00	GAD2c: Efficient particle acceleration from HESS J1640.6-4633 and the PeVatron candidate HESS J1641.0-4619	Arnaud Mares
14:15	GAD2d: Gamma-ray Pulsars with DAMPE	Maria Munoz
14:30	GAD2e: Energy-dependent morphology of the pulsar wind nebula HESS J1825-137 seen by the Fermi-LAT	Giacomo Principe
14:45	GAD2f: η Carinae: particle acceleration and multi-messenger aspects	Roland Walter
15:00	Poster Session 2	
Parallel Session 2		
16:30-18:30	Gamma Ray Indirect Convener: Elisa Pueschel	Shannon Hall
16:30	GAI5a: MAGIC eyes to the extreme: testing the blazar emission models on EHBLs	Elisa Prandini
16:45	GAI5b: Observations of the FSRQ 3C 279 during the flaring state of June 2018 with H.E.S.S.	Gabriel Emery
17:00	GAI5c: FACT - Highlights from more than Seven Years of Unbiased Monitoring at TeV Energies	Thomas Bretz
17:15	GAI5d: Variability Study of Extreme Blazars with VERITAS	Orel Gueta
17:30	GAI5e: Resolving the kpc jet of Centaurus A in TeV gamma-rays	Mathieu de Naurois
17:45	GAI5f: Studying the Extreme Behaviour of 1ES 2344+51.4	Axel Arbet-Engels
18:00	GAI5g: VHE detection and monitoring of the radio galaxy 3C 264	Jodi Christiansen
18:15	GAI5h: Investigating the unusually hard gamma-ray spectrum of the extreme blazar 1ES 0229+200 with HAWC	Thomas Weisgarber
16:30-18:30	Cosmic Ray Indirect Convener: Jim Beatty	Historical Society
16:30	CRI7a: Comparison of measured and simulated data with early LHAASO-WCDA test run data	Huicai Li

16:45	CRI7b: Cosmic Ray Spectrum and Composition from PeV to EeV from the IceCube Neutrino Observatory	Karen G. Andeen
17:00	CRI7c: The Energy Scale of the Pierre Auger Observatory	Bruce R. Dawson
17:15	CRI7d: Measurement of the Cosmic Ray Flux near the Second Knee with the Pierre Auger Observatory	Alan Coleman
17:30	CRI7e: Measurement of the energy spectrum of ultra-high energy cosmic rays using the Pierre Auger Observatory	Valerio Verzi
17:45	CRI7f: Energy Spectrum Measured by the Telescope Array	Dmitri Ivanov
18:00	CRI7g: The energy spectrum of ultra-high energy cosmic rays measured at the Pierre Auger Observatory and at the Telescope Array	Olivier Deligny
18:15	CRI7h: From the Observation of UHECR Radio Signal in [1-200] MHz to the Composition: CODALEMA and EXTASIS Status Report	Antony Escudie
16:30-18:30	Cosmic Ray Direct Convener: Philipp Mertsch	Pyle Center Rm. 309
16:30	CRD5a: Non-linear Diffusion of Cosmic Rays Escaping from Supernovae Remnants in the Cold Partially Neutral Atomic and Molecular Phases	Loann Brahimi
16:45	CRD5b: Study on the anisotropic diffusion and large-scale anisotropy of the galactic cosmic rays	Hongbo Hu
17:00	CRD5c: Core-collapse Supernovae as Cosmic Ray Sources	Vikram V. Dwarkadas
17:15	CRD5d: Acceleration and escape of first cosmic rays	Yutaka Ohira
17:30	CRD5e:	
17:45	CRD5f: Particle acceleration by shock waves propagating in a non-uniform medium	Shota Yokoyama
18:00	CRD5g: Three dimensional global test particle simulation of cosmic-ray acceleration and escape in supernova remnants	Shoma Kamijima
18:15	CRD5h: On the Spectrum of Electrons Accelerated in Supernova Remnants	Rebecca Diesing
16:30-18:30	Cosmic Ray Indirect Convener: Tom Gaisser	Pyle Center Rm. 313
16:30	CRI8a: Cosmic-ray detection with and novel reconstruction algorithms for the ARIANNA experiment	Anna Nelles
16:45	CRI8b: Seven years of Tunka-Rex operation	Vladimir Lenok
17:00	CRI8c: Coherent transition radiation from the geomagnetic air shower current	Krijn D. de Vries
17:15	CRI8d: Symmetrizing the signal distribution of radio emission from inclined air showers	Tim Huege
17:30	CRI8e: Frequency-optimised radio air shower arrays for enhanced performance	Aswathi Balagopal V.

17:45	CRI8f: Measurements of Inclined Air Showers with the Auger Engineering Radio Array at the Pierre Auger Observatory	Marvin Gottowik
18:00	CRI8g:	
18:15	CRI8h: The energy scale of cosmic rays detected with LOFAR	Katharine Mulrey
16:30-18:30	Neutrino Convener: Subir Sarkar	Play Circle
16:30	NU6a: Multi-messenger Gravitational-Wave + High-Energy Neutrino Searches with LIGO, Virgo and IceCube	Azadeh Keivani
16:45	NU6b: IceCube Search for Galactic Neutrino Sources based on HAWC Observations of the Galactic Plane	Ali Kheirandish
17:00	NU6c: Search for Correlations of High-energy Neutrinos and Ultra-high Energy Cosmic Rays	Anastasia Maria Barbano
17:15	NU6d: ANTARES 2007-2017 Search for Point Sources Using All Neutrino Flavours	Sergio Navas
17:30	NU6e: Probing neutrino emission at GeV energies from compact binary mergers with IceCube	Gwenhaël De Wasseige
17:45	NU6f: A DECam Search for Explosive Optical Transients Associated with IceCube Neutrinos	Robert A. Morgan
18:00	NU6g: Observation of Optical Transients and Search for PeV-EeV Tau Neutrinos with Ashra-1	Satoru Ogawa
18:15	NU6h: ANTARES search for high-energy neutrinos from TeV-emitting blazars, Markarian 421 and 501, in coincidence with HAWC gamma-ray flares	Mukharbek Organokov

Sunday, July 28th

Excursion Day

Monday, July 29th

8:00	Registration	Annex Room
8:30	Review Talks Convener: Angela Olinto	Shannon Hall
8:30	RE5: The Dynamical Role of Cosmic Rays in Galaxies	Ellen Zweibel
9:15	RE6: Multi-messenger Astrophysics with Gravitational Waves: Surprises So Far	Imre Bartos
10:00	Coffee Break	Shannon Hall Lobby
10:30-12:00	Highlight Talks Convener: Brenda Dingus	Shannon Hall
10:30	H10: Results from IceCube	Dawn Williams
11:00	H11: Probing High-Energy Hadronic Interactions with Extensive Air Showers	Lorenzo Cazon

11:30	H12: Combined Dark Matter Searches Towards Dwarf Spheroidal Galaxies with Fermi-LAT, HAWC, HESS, MAGIC and VERITAS	Louise Oakes
12:00	Lunch	On Own
12:00-13:30	Capturing Cosmic Ray Scientists: The Making of the Memorial Union <i>Event Horizon</i> Gallery Show with Dr. Faisal Abdu'Allah *Lunch Provided to 50 Attendees*	Old Madison, 3rd Floor
Parallel Session 1		
13:30-15:00	Cosmic Ray Indirect Convener: Andrew Taylor	Shannon Hall
13:30	CRI9a: Search for the diffuse gamma ray emission from the galactic plane in 100 TeV region	Yuhua Yao
13:45	CRI9b: Non-thermal emission from the reverse shock of the youngest galactic Supernova remnant G1.9+0.3	Martin Pohl
14:00	CRI9c: Undiscovered Pulsar as the Explanation of the High-energy Cosmic Ray All-electron Flux	Ruben Lopez-Coto
14:15	CRI9d: Gamma-Ray Bursts as Sources of Ultra-High Energy Cosmic Rays across the Ankle	Daniel Biehl
14:30	CRI9e: Ultra-high-energy cosmic rays by Cygnus A or the bulk of non-local radio galaxies?	Björn Eichmann
14:45	CRI9f: A parametrized catalog of radio galaxies as UHECR sources	Jörg P. Rachen
13:30-15:00	Gamma Ray Indirect Convener: Vikram Dwarkadas	Historical Society
13:30	GAI6a: Searching for Variability of the Crab Nebula Flux at TeV Energies using MAGIC Very Large Zenith Angle Observations	Juliane van Scherpenberg
13:45	GAI6b: Orbital parameters for the gamma-ray binaries LMC P3 and 1FGL J1018.6-5856	Brian van Soelen
14:00	GAI6c: Long-term gamma-ray observations of the binary HESS J0632+057 with H.E.S.S., MAGIC and VERITAS	Gernot Maier
14:15	GAI6d: Probing orbital parameters of gamma-ray binaries with TeV light curves	Iurii Sushch
14:30	GAI6e: X-ray and TeV gamma-ray emission from the 50-year period binary system PSR J2032+4127/MT91 213	Tyler Williamson
14:45	GAI6f: Characterizing the VHE Emission of LS I +61 303 using VERITAS Observations	David Kieda
13:30-15:00	Neutrino Convener: Aart Heijboer	Pyle Center Rm. 313
13:30	NU7a: The IceCube Upgrade - Design and Science Goals	Aya Ishihara
13:45	NU7b: KM3NeT/ORCA Detector for Neutrino Research at the Bottom of the Mediterranean Sea	Bruno Strandberg
14:00	NU7c: Neutrino telescope in Lake Baikal: Present and Future	Fedor Simkovic

14:15	NU7d: Status and prospects of the Hyper-Kamiokande project	Yoshitaka Itow
14:30	NU7e: Performance of the ARIANNA pilot array, and implications for the next generation of UHE neutrino detectors	Christian Glaser
14:45	NU7f: Radio Phased Arrays: A low-threshold detector in the Askaryan Radio Array (ARA)	Eric Oberla
13:30-15:00	Solar & Heliospheric Convener: Christina Cohen	Play Circle
13:30	SH5a: ORCA (Antarctic Cosmic Ray Observatory): 2018 Latitudinal Survey	Juan Jose Blanco
13:45	SH5b: Galactic Cosmic-Ray Anisotropy During Forbush Decreases: Evidence for Diffusive Barriers and Large-Scale Flow	Alejandro Sáiz
14:00	SH5c: Long Duration Gamma-ray Flares and High Energy Solar Energetic Particles: Is there a Connection?	G.A. de Nolfo
14:15	SH5d: Modeling the 2017 September 10 Long Duration Gamma Ray Flare	James Ryan
14:30	SH5e: Estimation of Solar Disk Gamma-ray Emission Based on Geant4	Zhe Li
14:45	SH5f: Solar Energetic Particles measured by the Alpha Magnetic Spectrometer on the International Space Station during solar cycle 24	Veronica Bindi
13:30-15:00	Gamma Ray Direct Convener: Stefan Ohm	Festival Room
13:30	GAD3a: Recent Gamma-ray Results from DAMPE	Xiang Li
13:45	GAD3b: All-Sky Medium Energy Gamma-ray Observatory (AMEGO)	Alexander Moiseev
14:00	GAD3c: High-Energy Gamma-ray Observations Using the CALorimetric Electron Telescope (CALET) on the ISS	Masaki Mori
14:15	GAD3d: GRAINE project and first results on 2018 balloon-borne experiment	Satoru Takahashi
14:30	GAD3e: BurstCube: Mission Concept, Performance, and Status	Jacob Smith
14:45	GAD3f: Overview of the POLAR Mission	Jinchao Sun
15:00	Poster Session 2	
Parallel Session 2		
16:30-18:30	Cosmic Ray Indirect Convener: Antonella Castellina	Shannon Hall
16:30	CRI10a: A New View on Auger Data and Cosmogenic Neutrinos in Light of Different Nuclear Disintegration and Air-shower Models	Anatoli Fedynitch
16:45	CRI10b: Ultra-high Energy Cosmic Rays and Neutrinos from Light Nuclei Composition	Soebur Razzaque
17:00	CRI10c: Cosmic ray transport in starburst galaxies and possible observables	Enrico Peretti

17:15	CRI10d: Constraints on UHECR sources and their environments, from fitting UHECR spectrum and composition, and neutrinos and gammas.	Marco Muzio
17:30	CRI10e: Follow-up searches for ultra-high energy neutrinos and photons from transient astrophysical sources with the Pierre Auger Observatory	Michael Schimp
17:45	CRI10f: Telescope Array Search for EeV Photons	Mikhail Kuznetsov
18:00	CRI10g: Limits on ultra-high energy photons with the Pierre Auger Observatory	Julian Rautenberg
18:15	CRI10h: POEMMA: Probe Of Extreme Multi-Messenger Astrophysics	Angela V. Olinto
16:30-18:30	Gamma Ray Indirect Convener: David Kieda	Historical Society
16:30	GAI7a: Extreme High-energy Peaked BL Lac Objects and their TeV Gamma-ray Emission: Are They a Homogeneous Population?	Luca Foffano
16:45	GAI7b: A Northern Sky Survey for 100TeV Gamma-ray Sources Using the Tibet Air Shower Array and Muon Detector Array.	Xu Chen
17:00	GAI7c: Possible origin of the slow-diffusion region around Geminga	Kun Fang
17:15	GAI7d: Testing the Limits of Particle Acceleration in Cygnus OB2 with HAWC	Binita Hona
17:30	GAI7e: Spectral and Morphological Studies of the Very High Energy Gamma-Ray Source 2HWC J1825-134	Francisco Salesa Greus
17:45	GAI7f: Electron Spectrum of the Dragonfly Pulsar Wind Nebula from X-ray to TeV	Chad Brisbois
18:00	GAI7g:	
18:15	GAI7h: Highlights of Galactic Physics with VERITAS	Gregory T. Richards
16:30-18:30	Gamma Ray Indirect Convener: Michael Daniel	Pyle Center Rm. 313
16:30	GAI8a: MAGIC observation and broadband characterization of the remarkably bright flares of 1ES 1959+650 in 2016	Mitsunari Takahashi
16:45	GAI8b: Sub-parsec and parsec VHE emission from the core of LLAGNs	Juan C. Rodríguez Ramírez
17:00	GAI8c: Revisit of non-linear Landau damping for electrostatic instability driven by blazar-induced pair beams	Martin Pohl
17:15	GAI8d: Unravelling the complex behavior of Mrk421 with simultaneous X-ray and VHE observations during an extreme flaring activity in April 2013	Ana Babic
17:30	GAI8e: Highlights from the VERITAS AGN Observation Program	Wystan Benbow
17:45	GAI8f: A survey of active galaxies with the HAWC gamma-ray observatory	Alberto Carramiñana

18:00	GAI8g: Broadband emission of blazar S5 0716+714 during impressive outbursts	Yuki Kajiwara
18:15	GAI8h: A 3-year HAWC/Swift monitoring of gamma-ray/X-ray flux and correlations in the BL Lac Mrk 421	José Andrés García-González
16:30-18:30	Cosmic Ray Direct Convener: Thomas Hams	Play Circle
16:30	CRD6a: Cosmic ray transport from AMS-02 B/C data: reference parameters and physical interpretation	Yoann Genolini
16:45	CRD6b: Properties of Secondary Cosmic Rays Lithium, Beryllium and Boron Measured by the Alpha Magnetic Spectrometer on the International Space Station	Alberto Oliva
17:00	CRD6c: Cosmic-Ray Helium Isotopes with the Alpha Magnetic Spectrometer.	Carlos Delgado
17:15	CRD6d: Cosmic-Ray Lithium Isotopes with the Alpha Magnetic Spectrometer	Laurent Derome
17:30	CRD6e: Overall Status of the High Energy Cosmic Radiation Detection Facility Onboard the Future China's Space Station	Yongwei Dong
17:45	CRD6f: Fitting B/C cosmic-ray data in the AMS-02 era	Laurent Derome
18:00	CRD6g: Is the B/C slope in AMS-02 data actually telling us something about the diffusion coefficient slope ?	Manuela Vecchi
18:15	CRD6h: Cosmic-ray Isotope Measurements with HELIX	Nahee Park
16:30-18:30	Dark Matter Convener: Tim Linden	Festival Room
16:30	DM1a: Potential Dark Matter Signals at Neutrino Telescopes	Marco Chianese
16:45	DM1b: Interpretation of the CALET Electron+Positron Spectrum concerning Dark Matter Signatures	Holger M. Motz
17:00	DM1c: Searches for dark matter with the ANTARES and KM3NeT neutrino telescopes	Rebecca Gozzini
17:15	DM1d: Status of cosmic-ray antinuclei searches	Philip von Doetinchem
17:30	DM1e: Constraints on dark matter scattering with long-lived mediators using gamma-rays from the Sun	Davide Serini
17:45	DM1f: Perspective on dark matter annihilation limits from the LHAASO gamma-ray observation of dwarf Spheroidal galaxies	Xiaojun Bi
18:00	DM1g: Reverse Direct Detection: Cosmic Ray Scattering With Light Dark Matter	Kenny C. Y. Ng
18:15	DM1h: Recent Results from the Dark Matter Search of DAMIC-100 at SNOLAB	Dan Baxter
19:00	Banquet	Concourse Hotel

Tuesday, July 30th

8:00	Registration	Annex Room
8:30	Review Talks Convener: Karl-Heinz Kampert	Shannon Hall
8:30	RE7: Physics and Astrophysics with Ultra-High Energy Cosmic Neutrinos	Abigail Viereggs
9:15	RE8: Gamma-ray Insights into Cosmic-ray transport	Gwenael Giacinti
10:00	Coffee Break	Shannon Hall Lobby
10:30-12:00	Highlight Talks	Shannon Hall
10:30	H13: Testing cosmic ray acceleration in the laboratory	Subir Sarkar
11:00	H14: Highlights from the Tibet ASgamma Experiment	Kazumasa Kawata
11:30	H15: Results from the Mediterranean neutrino detectors	Rosa Coniglone
12:00	Lunch	On Own
Parallel Session 1		
13:30-15:00	Cosmic Ray Indirect Convener: P. Ghia	Shannon Hall
13:30	CRI11a: Large-scale anisotropies above 0.03 EeV measured by the Pierre Auger Observatory	Esteban Roulet
13:45	CRI11b: Full-sky searches for anisotropies in UHECR arrival directions with the Pierre Auger Observatory and the Telescope Array	Armando di Matteo
14:00	CRI11c: Anisotropy in the mass composition from the Telescope Array Surface Detector data	Yana Zhezher
14:15	CRI11d: On the origin of ultra-high energy cosmic ray anisotropy	Chen Ding
14:30	CRI11e: Anisotropies of the Highest Energy Cosmic-ray Events Recorded by the Pierre Auger Observatory in 15 years of Operation	Lorenzo Caccianiga
14:45	CRI11f: Supergalactic Structure of Energy-Angle Correlations	Jon Paul Lundquist
13:30-15:00	Gamma Ray Indirect Convener: Gernot Maier	Historical Society
13:30	GAI9a: Study of Middle-aged Pulsar Wind Nebulae Showing Large Offsets Between their Pulsar and their VHE Gamma-ray Emission	Michelle Tsirou
13:45	GAI9b: MAGIC studies of the Crab Pulsar and Nebula spectra for energies above 20 GeV	Giovanni Ceribella
14:00	GAI9c: Highest Energy Photons Ever Observed and High-Energy Crab Spectrum	James T. Linnemann
14:15	GAI9d: The Crab Nebula Spectrum at ~ 100 TeV Measured With MAGIC Under Very Large Zenith Angles	Michele Peresano
14:30	GAI9e: Modeling of Broadband Spectra and Radial Profiles of Emission of Pulsar Wind Nebulae	Wataru Ishizaki
14:45	GAI9f:	
13:30-15:00	Neutrino Convener: Enrique Zas	Pyle Center Rm. 313

13:30	NU8a: Measurement of the Atmospheric Neutrino Oscillation Parameters with NOvA	Matthew Strait
13:45	NU8b: High-energy Neutrino Event Simulation at NLO in Genie for KM3NeT and Other Observatories	Alfonso Garcia
14:00	NU8c: Precision of analytical approximations in calculations of atmospheric leptons	Thomas Gaisser
14:15	NU8d: A new calculation of Earth-skimming very- and ultra-high energy tau neutrinos	Mary Hall Reno
14:30	NU8e: Characterizing the High Energy Activity of Blazars Possibly Correlated with Observed Astrophysical Neutrinos	Ankur Sharma
14:45	NU8f: First double cascade tau neutrino candidates in IceCube and a new measurement of the flavor composition” is confirmed	Juliana Stachurska
13:30-15:00	Cosmic Ray Direct Convener: Shoji Torii	Play Circle
13:30	CRD7a: Properties of Primary Cosmic Rays Neon, Magnesium and Silicon Measured with the Alpha Magnetic Spectrometer on the ISS	Qi Yan
13:45	CRD7b: Elemental analysis of Cosmic-Ray flux with DAMPE	Ya-Peng Zhang
14:00	CRD7c: Cosmic-Ray Elemental Spectra Measured with ISS-CREAM	Ryuji Takeishi
14:15	CRD7d: The on-orbit calibration of DArk Matter Particle Explorer	Jin Chang
14:30	CRD7e: The Status of DAMPE Satellite in Space	Yunlong Zhang
14:45	CRD7f: Cosmic Ray Energetics And Mass for the International Space Station (ISS-CREAM)	Eun-Suk Seo
13:30-15:00	Dark Matter Convener: Kenny Ng	Festival Room
13:30	DM2a: Searching for Dark Matter decay signals in the Galactic halo with the MAGIC telescopes	Daniele Ninci
13:45	DM2b: Recent results from the DM-Ice17 and COSINE-100 experiment	Jay Hyun Jo
14:00	DM2c: Spectral modulation of Galactic pulsars in the realm of photon-ALPs mixing.	Jhilik Majumdar
14:15	DM2d: Search for dark matter with the H.E.S.S. Inner Galaxy Survey	Emmanuel Moulin
14:30	DM2e: Dark Matter Search with H.E.S.S. Towards Ultra-faint Dwarf Nearby DES Satellites of the Milky Way	Lucia Rinchuso
14:45	DM2f: Combined Search for Neutrinos from Dark Matter Annihilation in the Galactic Centre using ANTARES and IceCube	Nadège Iovine
15:00	Poster Session 3	
Parallel Session 2		
16:30-18:30	Cosmic Ray Indirect Convener: Luke Drury	Shannon Hall
16:30	CRI12a: Espresso Acceleration of Ultra-High-Energy Cosmic Rays in Realistic Jet Environments	Rostom Mbarek

16:45	CRI12b: Electron Acceleration at Rippled Low Mach Number Shocks in Merging Galaxy Clusters	Jacek Niemiec
17:00	CRI12c: The role of re-acceleration in the understanding of Cosmic-Ray direct and indirect data	Martina Cardillo
17:15	CRI12d: The Issue with Diffusive Shock Acceleration	Damiano Caprioli
17:30	CRI12e: Modeling the saturation of the Bell instability using hybrid simulations	Georgios Zacharegkas
17:45	CRI12f: Acceleration of He nuclei at non-relativistic collisionless shocks	Cory Cotter
18:00	CRI12g: Cosmic rays and nonthermal radiation from accreting flows in clusters of galaxies	Vladimir Zirakashvili
18:15	CRI12h: On measuring the cosmic-ray production rate in supernova remnant shocks by polarized Balmer line emission	Jiro Shimoda
16:30-18:30	Gamma Ray Indirect Convener: Wystan Benbow	Historical Society
16:30	GAI10a: Gamma-Ray Burst observation at Very High Energy with H.E.S.S.	Quentin Piel
16:45	GAI10b: Constraining the magnetic field in the EM170817 ejecta with H.E.S.S. observations	Stefan Ohm
17:00	GAI10c: Gamma-rays and neutrinos from TXS 0506+056: interpretation of the 2018/2019 MAGIC and MWL monitoring campaign	Matteo Cerruti
17:15	GAI10d: Searches for counterparts of gravitational waves at very high energies with H.E.S.S.	Monica Seglar-Arroyo
17:30	GAI10e: Recent results from the VERITAS multi-messenger program	Marcos Santander
17:45	GAI10f: Search for very-high-energy photons from Gamma-ray bursts with HAWC	Nissim Fraija
18:00	GAI10g: MAGIC observations of the nearby short GRB 160821B: implications for afterglow physics and gravitational wave follow-up	Susumu Inoue
18:15	GAI10h: Search for very-high energy gamma-ray counterparts of gravitational waves with HAWC	Israel Martinez-Castellanos
16:30-18:30	Neutrino Convener: Donglian Xu	Pyle Center Rm. 313
16:30	NU9a: Neutrino source searches and a realtime neutrino alert stream in the southern sky with IceCube starting tracks	Sarah Mancina
16:45	NU9b: The Next Generation of IceCube Real-time Neutrino Alerts	Chun Fai Tung
17:00	NU9c: Search for High-Energy Neutrinos from Populations of Optical Transients	Robert Stein
17:15	NU9d: Searching for Common Sources of Gravitational Waves and Neutrinos	Raamis Hussain
17:30	NU9e: Ten years of multi-wavelength follow-up observations of ANTARES neutrino alerts	Damien Dornic

17:45	NU9f: AMON: TeV Gamma and Neutrino Coincidence Alerts from HAWC and IceCube subthreshold data	Hugo Alberto Ayala Solares
18:00	NU9g: IceCube as a Multi-messenger Follow-up Observatory for Astrophysical Transients	Justin Vandenbroucke
18:15	NU9h: Search for neutrino counterparts of cataloged GW events from run O2 and offline follow-up of new GW alerts from run O3 with ANTARES	Marta Colomer Molla
16:30-18:30	Cosmic Ray Direct Convener: Laurent Derome	Play Circle
16:30	CRD8a: Precision Measurement of the Monthly Carbon and Oxygen Fluxes in Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station	Federico Donnini
16:45	CRD8b: Properties of Primary Protons, Helium, Carbon and Oxygen Nuclei Measured with the Alpha Magnetic Spectrometer on the ISS	Qi Yan
17:00	CRD8c: Precision Measurement of the Daily Proton and Helium Fluxes in Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station	Cristina Consolandi
17:15	CRD8d: Precision Measurement of the Monthly Proton and Helium Fluxes in Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station	Nicola Tomassetti
17:30	CRD8e: Measurement of the Proton Spectrum with CALET on the ISS	Pier S. Marrocchesi
17:45	CRD8f: Measurement of the energy spectra of carbon and oxygen nuclei in cosmic rays with CALET	Paolo Maestro
18:00	CRD8g: Measurement of cosmic ray proton spectrum with the Dark Matter Particle Explorer	Chuan Yue
18:15	CRD8h: Helium spectrum in the cosmic rays measured by the DAMPE detector	Margherita Di Santo
16:30-18:30	Solar & Heliospheric Convener: Agnieszka Gil	Pyle Center Rm. 309
16:30	SH6a: Penetrating Particle Analyzer (PAN)	Giorvani Ambrosi
16:45	SH6b: Ground and flight performances of the balloon-borne magnet spectrometer AESOP-Lite	Pierre-Simon Mangear
17:00	SH6c: Measurement of the low energy (20-300 MeV) electron and positron spectra with the AESOP-Lite balloon mission	Sarah Mechbal
17:15	SH6d: Space-Weather capabilities and preliminary results of the High Energy Particle Detector (HEPD) on-board the CSES satellite	Matteo Martucci
17:30	SH6e: Energetic Particle Acceleration in the Heliosphere from the IMAP mission	Eric Christian
17:45	SH6f: Solar Neutron and Gamma-ray Detector for a 3U CubeSat	Kazutaka Yamaoka
18:00	SH6g: Analysis of the performance of the SciCRT as a solar neutron telescope and current status of the experiment	Rocio Garcia
18:15	SH6h: The updated and upgraded SANA neutron monitor	Du Toit Strauss

18:30-22:00	Picnic and Concert All are Welcome, Appetizers and drinks provided	Vilas Park
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Wednesday, July 31st

8:00	Registration	Annex Room
8:30	Review Talks Convener: Christina Cohen	Shannon Hall
8:30	RE9: Parker Solar Probe: The Initial Solar Encounters	Arik Posner (Presented by Eric Christian)
9:00	Address to the ICRC by Gene Parker & Discussion	
9:15	RE10: Cosmic Ray Detectors and Observational Breakthroughs in Atmospheric Electricity	Rasha Abbasi
10:00	Coffee Break	Shannon Hall Lobby
10:30-12:00	Highlight Talks	Shannon Hall
10:30	H16: Progresses of the Dark Matter Particle Explorer experiment	Qiang Yuan
11:00	H17: Cosmogenic Evidences for Past SEP Events	Fusa Miyake
11:30	H18: Seeing >100 TeV Gamma Rays with Extensive Air Shower Arrays	Kirsten Tollefson
12:00	Lunch	On Own
Parallel Session 1		
13:30-15:00	Neutrino Convener: Donglian Xu	Shannon Hall
13:30	NU10a: High-elevation synoptic radio array for detection of upward moving air-showers, deployed in the Antarctic mountains	Jiwoo Nam
13:45	NU10b: GRAND: science and design	Olivier Martineau-Huynh
14:00	NU10c: Trinity: An Air-Shower Imaging System for the Detection of Cosmogenic Neutrinos	Nepomuk Otte
14:15	NU10d: SuperK-Gd: The Gd future of Super-Kamiokande.	Lluis Marti Magro
14:30	Nu10e: Concept Study for the Beamforming Elevated Array for Cosmic Neutrinos (BEACON)	Stephanie Wissel
14:45	NU10f: Design and Status of JUNO and Its Potential in Astroparticle Physics	Wei Wang
13:30-15:00	Cosmic Ray Indirect Convener: Gordon Thomson	Historical Society
13:30	CRI13a: Seasonal Variation of Atmospheric Neutrinos in IceCube	Serap Tilav
13:45	CRI13b: Studying the Temporal Variation of the Cosmic-Ray Sun Shadow Using IceCube Data	Paolo Desiati

14:00	CRI13c: Probing the Anomalous Flux of Very-high-energy Gamma rays from the Sun with HAWC	Mehr Un Nisa
14:15	CRI13d: Influence of atmospheric electric fields on radio emission from air showers	Olaf Scholten
14:30	CRI13e: Measurement of the electrical properties of a thundercloud through muon imaging by the GRAPES-3 experiment.	Hari Haran Balakrishnan
14:45	CRI13f: The Origin of Terrestrial Gamma Ray Flashes Observed with the Telescope Array Detector	John Belz
13:30-15:00	Cosmic Ray Indirect Convener: David Kiedas	Pyle Center Rm. 313
13:30	CRI14a: A Cosmic Rays Tracking System for the Stability Monitoring of Historical Buildings	Germano Bonomi
13:45	CRI14b: Improvement of cosmic-ray muography for Earth sciences and civil engineering	László Oláh
14:00	CRI14c: Measurement of the Energy Spectrum of Nearly Horizontal Muons with HAWC	Ahron S. Barber
14:15	CRI14d: The Shower Energy Scale with Air and Water Cherenkov Techniques in LHAASO experiment	Zhen Cao
14:30	CRI14e: EAS Thermal Neutron Detector Array to Add into LHAASO	Xinhua Ma
14:45	CRI14f: Observation of electron rings with imaging air Cherenkov telescopes	Haritha Retnakaran
13:30-15:00	Solar & Heliospheric Convener: Georgia de Nolfo	Play Circle
13:30	SH7a: Solar Energetic Particle Observations with the PAMELA Experiment	Alessandro Bruno
13:45	SH7b: Re-examination of the First Five Ground-Level Events	M. A. Shea
14:00	SH7c: A neutron monitor as an integral spectrometer for GLE analysis: Effective rigidity and reassessment of integral fluxes	Sergey Koldobskiy
14:15	SH7d: Vertical Geomagnetic Cutoff Rigidities for Epoch 2015	D. F. Smart
14:30	SH7e: Relativistic solar proton propagation in the interplanetary medium	Silvia Dalla
14:45	SH7f: Usage of the global NM network for assessment of the radiation exposure at flight altitudes	Alexander Mishev
13:30-15:00	Gamma Ray Direct Convener Alexander Moiseev	Festival Room
13:30	GAD4a: Cosmic Rays in the Orion-Eridanus Superbubble	Theo Joubaud
13:45	GAD4b: Detection of a gamma-ray halo around Geminga with the Fermi-LAT and implications for the positron flux	Silvia Manconi
14:00	GAD4c: The Surprising Gamma Ray emission from the Sun	Kenny C. Y. Ng
14:15	GAD4d: A Consistent Model of the Interstellar Gamma-Ray Emission to Interpret Fermi LAT Observations of Diffuse Emissions	Elena Orlando
14:30	GAD4e: High-Energy Gamma Rays from the Milky Way: Time-Dependent Modelling of Cosmic Ray Propagation and Non-Thermal Emissions with the GALPROP Code	Troy Porter

14:45	GAD4f:	
15:00	Poster Session 3	
Parallel Session 2		
16:30-18:30	Gamma Ray Indirect Convener: Marcos Santander	Shannon Hall
16:30	GAI11a: Search for Primordial Black Hole evaporations with H.E.S.S.	Thomas Tavernier
16:45	GAI11b: Measurement of the Extragalactic Background Light with VERITAS	Elisa Pueschel
17:00	GAI11c: Constraints on Lorentz invariance violation using HAWC observations above 100 TeV	Humberto Martínez-Huerta
17:15	GAI11d: New stringent LIV limits from astrophysical gamma-ray sources	Rodrigo Guedes Lang
17:30	GAI11e: A Systematic Search for TeV Halos associated with known pulsars	Andrew Smith
17:45	GAI11f: Positrons and 511 keV radiation as tracers of recent binary neutron star mergers	Volodymyr Takhistov
18:00	GAI11g:	
18:15	GAI11h: VERITAS Observations of Fast Radio Bursts	Jamie Holder
16:30-18:30	Cosmic Ray Indirect Convener: Michael Unger	Pyle Center Rm. 313
16:30	CRI15a: Hadronic interactions and EAS muon multiplicity investigated with the new Tibet hybrid experimental muon data	Liuming Zhai
16:45	CRI15b: Measurement of the fluctuations in the number of muons in inclined air showers with the Pierre Auger Observatory	Felix Riehn
17:00	CRI15c: Study on the muon lateral distribution based on the first stage of LHAASO-KM2A	Guangguang Xin
17:15	CRI15d: The muon component of extensive air showers above $10^{17.5}$ eV measured with the Pierre Auger Observatory	Federico Sánchez
17:30	CRI15e: Working Group Report on the Combined Analysis of Muon Density Measurements from Eight Leading Air Shower Experiments	Lorenzo Cazon
17:45	CRI15f: A study of the uncertainty due to hadron models on UHECR: the impact on the secondary particles	Moon Moon Devi
18:00	CRI15g: Spatial and Temporal Characteristics of EAS with Delayed Particles.	Dmitriy Beznosko
18:15	CRI15h: Probing the High Energy Spectrum of Neutral Pions in Ultra-high-energy Proton-Air Interactions	Ruben Conceição
16:30-18:30	Neutrino Convener: Aya Ishihara	Historical Society
16:30	NU11a: Enabling a New Detection Channel for BSM Physics with in-situ Measurements of Luminescence	Anna Pollmann

16:45	NU11b: The Baikal-GVD neutrino telescope: muon track events reconstruction	Lukáš Fajt
17:00	NU11c: Astrophysical Tau Neutrino Identification with IceCube Waveforms	Logan Wille
17:15	NU11d: Light diffusion in birefringent polycrystals and the IceCube ice anisotropy	Dmitry Chirkin
17:30	NU11e: Development of new liquid scintillators for neutrino experiments of next generation	Sultim Lubsandorzhev
17:45	NU11f: Exciting Prospects for Detecting Late-Time Neutrinos from Core-Collapse Supernovae	Shirley Li
18:00	NU11g: Coherent radar reflections from an electron-beam induced particle cascade	Steven Prohira
18:15	NU11h: Investigations of ice and emitter properties from radio signals recorded with ARIANNA	Robert Lahmann
16:30-18:30	Cosmic Ray Indirect Convener: H. Sagawa	Play Circle
16:30	CRI16a: The Large-scale Anisotropy of Cosmic Rays Observation with the Partial LHAASO-KM2A Arrays	Wei Gao
16:45	CRI16b: Large-scale Cosmic Ray Anisotropy with Tibet air shower array	Yi Zhang
17:00	CRI16c: The Anisotropy of CRs Observed by YBJ-HA Experiment	Yingying Guo
17:15	CRI16d: Observation of cosmic ray anisotropy with GRAPES-3 Experiment	Pravata Mohanty
17:30	CRI16e: The anisotropy of cosmic rays observed by the Tibet air shower array and muon detector array.	Yoshiaki Nakamura
17:45	CRI16f: Particle-in-Cell Simulations of Relativistic Weibel Mediated Shocks Propagating into Inhomogeneous Media	Sara Tomita
18:00	CRI16g: Cosmic-Ray Transport between the Knee and the Ankle with CRPropa	Lukas Merten
18:15	CRI16h: Understanding the Linear and Nonlinear Effects of Cosmic Ray Streaming Instabilities with Self Consistent Hybrid Simulations	Colby Haggerty
16:30-18:30	Dark Matter Convener: Philip von Doetinchem	Festival Room
16:30	DM3a: Dark Matter Searches with HAWC	Joseph Lundeen
16:45	DM3b: Constraints on cross section and lifetime of dark matter with HAWC Observations of dwarf Irregular galaxies	Sergio Hernández Cadena
17:00	DM3c: Setting Upper Limits on the Local Burst Rate Density of Primordial Black Holes Using HAWC	Kristi Engel
17:15	DM3d: Search for dark photons as candidates for Dark Matter with FUNK	Ralph Engel
17:30	DM3e: Searching for ultra-faint galaxies in three years of data from the Dark Energy Survey	Keith Bechtol
17:45	DM3f: Voyager Probing Dark Matter	Mathieu Boudaud
18:00	DM3g: Constraints on Decaying Dark Matter from the Isotropic Gamma-Ray Background	Carlos Blanco

18:15	DM4h: New Venues in Formation and Detection of Primordial Black Hole Dark Matter	Volodymyr Takhistov
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Thursday, August 1st

9:00	Rapporteur Talks Convener: Yoshitaka Itow	Shannon Hall
9:00	RP1: Cosmic Ray Direct Observations	Roberta Sparvoli
9:45	RP2: Gamma rays: direct observations	Riccardo Rando
10:30	Coffee Break	Shannon Hall Lobby
11:00	Rapporteur Talks	Shannon Hall
11:00	RP3: News on Cosmic-Ray Air Showers (CRI)	Frank Schröder
11:45	RP4: Gamma-ray Indirect	Julian Sitarek
12:30	Lunch Break	On Own
14:00	Rapporteur Talks	Shannon Hall
14:00	RP5: Solar and Heliospheric Physics	Silva Dalla
14:45	RP6: Neutrinos	Alexander Kappes
15:30	Coffee Break	Shannon Hall Lobby
16:00	Rapporteur Talks	Shannon Hall
16:00	RP7: Dark Matter	Christoph Weniger
17:00	Closing	Shannon Hall