

## Wednesday 22 June 2016

### Registration - (08:30-09:00)

### Particle and Astroparticle - Sala Vittorio Emanuele (09:00-11:00)

time	title	presenter
09:00	Welcome	MORSELLI, Aldo
09:10	Welcome	DI CIACCIO, Anna
09:20	Dark Matter after LHC Run I: Clues to Unification	OLIVE, Keith
09:45	Models of supersymmetry for dark matter	MUNOZ, Carlos
10:10	Dark Matter and 750 GeV resonance	MAMBRINI, Yann
10:35	Signatures of sneutrino dark matter in an extension of the CMSSM	BELANGER, Genevieve

### CR and Gamma - Sala Vittorio Emanuele (11:25-13:30)

time	title	presenter
11:25	AUGER status and result	BERAT, Corinne
11:50	Results from the telescope Array Experiment	JUI, Charles
12:15	Mass composition measured by LOFAR	HOERANDEL, Joerg
12:40	VERITAS latest results	HANNA, David
13:05	Arap Prize	

### CR - Sala Vanvitelli (14:30-16:30)

time	title	presenter
14:30	First results of the HiSCORE timing array	TLUCZYKONT, Martin
15:00	The gamma-ray observatory TAIGA: status and perspectives	KUZMICHEV, Leonid
15:30	Astrophysical interpretation of Pierre Auger Observatory measurements of the UHECR energy spectrum and mass composition	DI MATTEO, Armando
16:00	The Pierre Auger Observatory Upgrade	MARSELLA, Giovanni

### Nu - Sala Clemente (14:30-16:30)

time	title	presenter
14:30	Measurement of the cosmic ray energy spectrum and composition with IceCube	KARG, Timo
14:55	Neutrino propagation in the galactic dark matter halo	LINEROS, Roberto
15:20	PWN as sources of high energy neutrinos	GUETTA, Dafne
15:45	New results on the indirect search for dark matter using the ANTARES neutrino telescope	TONNIS, Christoph

16:05	Searches for diffuse fluxes of astrophysical neutrinos with the ANTARES telescope	FUSCO, Luigi Antonio
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### **g-rays - Sala Vittorio Emanuele (14:30-16:30)**

time	title	presenter
14:30	e-ASTROGAM A Future space based gamma-ray observatory in a new energy window	TATISCHEFF, Vincent
14:55	The Science Case for a future gamma-ray missions in the 300 KeV- 100 MeV domain	VON BALLMOOS, Peter
15:20	Fermi bubbles: what do we know about them and where do they come from?	MALYSHEV, Dmitry
15:45	PeVatron in the Galact Center	MOULIN, Emmanuel
16:10	Anomalies in the gamma-ray diffuse emission of the Galaxy and implications for the interpretation of IceCube results	GRASSO, Dario

### **CR - Sala Vanvitelli (17:00-19:55)**

time	title	presenter
17:00	Exploiting the radio signal from air showers: the AERA progress	REVENU, Benoit
17:30	Measurement of the cosmic rays flux with the ANITAexperiment	GARCÍA-FERNANDEZ, Daniel
18:00	Status and perspectives of the radio detection technique of cosmic ray air showers	SCHOLTEN, Olaf
18:30	The ARCADE project	VALORE, Laura
19:00	The cosmic ray spectrum in the energy region between $10^{12}$ - $10^{16}$ eV measured by ARGO-YBJ	MONTINI, Paolo
19:20	Recent development on the realization of a 1-inch VSiPMT prototype	BARBATO, Felicia Carla Tiziana
19:35	...	

### **DM - Sala Vittorio Emanuele (17:00-20:05)**

time	title	presenter
17:00	Modeling the Galactic center emission from GeV to PeV	MARINELLI, Antonio
17:20	Exotic needles in the Cherenkov telescopes haystack	DORO, Michele
17:45	Search for annihilating Dark Matter towards dwarf galaxies by the Cherenkov Telescope Array	RODRIGUEZ FERNANDEZ, Gonzalo
18:05	Reconstructing WIMP properties through an interplay of signal measurements	SESSOLO, Enrico
18:30	New measurement of the angular power spectrum of anisotropies in the data of Fermi-LAT	FORNASA, Mattia
18:55	Particle dark matter signals in the anisotropic sky: a cross-correlations approach	REGIS, Marco
19:20	On Fermi-LAT, H.E.S.S. and the Cherenkov Array Telescope Sensitivity to Dark Matter Annihilation	QUEIROZ, Farinaldo

**Nu - Sala Clemente (17:01-19:50)**

time	title	presenter
17:01	Results and simulation of the prototype detection unit of KM3NeT-ARCA	HUGON, Christophe Maurice Ferdinand
17:25	Search for high energy neutrinos from bright GRBs with ANTARES	SANGUINETI, Matteo
17:50	Baikal-GVD	SUVOROVA, Olga
18:15	Juno	RANUCCI, Gioacchino
18:40	The Luna experiment	BROGGINI, Carlo
19:05	Underground Study of Big Bang Nucleosynthesis in the Precision Era of Cosmology	GUSTAVINO, Carlo
19:30	A few eV sterile neutrino as partial dark matter	DAS, subinoy

## Thursday 23 June 2016

### **Nu - Sala Vittorio Emanuele (09:00-09:50)**

time	title	presenter
09:00	Highlights from the IceCube neutrino observatory	AGUILAR SANCHEZ, Juan Antonio
09:25	Results from the ANTARES neutrino telescope	SANCHEZ LOSA, Agustin

### **GW - Sala Vittorio Emanuele (09:50-11:05)**

time	title	presenter
09:50	From Gravitational Wave detection to Gravitational Wave astronomy	RAPAGNANI, Piero
10:15	Localization and broadband follow-up of the Gravitational-Wave Transient Gw150914	BRANCHESI, Marica
10:40	Electromagnetic follow ups of the GW event	BARTOS, Imre

### **GW - (11:30-13:00)**

time	title	presenter
11:30	The Fermi GBM gamma-ray burst and the Fermi LAT follow up of the GW event	BISSALDI, Elisabetta
11:50	Agile follow up of the GW event	TAVANI, Marco
12:10	Integral follow up of the GW event	UBERTINI, Pietro
12:30	Multimessenger follow-up of the gravitational wave event GW150914 with ANTARES	COLEIRO, Alexis
12:50	GW Open Discussion	

### **Group photo - (14:20-14:30)**

### **CR - Sala Clemente (14:30-16:30)**

time	title	presenter
14:30	Cosmic-ray electron+positron spectrum with the Fermi Large Area Telescope	BONINO, Raffaella
14:55	Electron and Positron Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the International SpaceStation	GAST, Henning
15:15	The proton and helium anomalies in the light of the Myriad model	SALATI, Pierre
15:40	Antiproton Flux and Antiproton-to-Proton Flux Ration Measured by with the Alpha Magnetic Spectrometer on the International Space Station	XU, Weiwei
16:05	Interpretation of the cosmic ray positron and anti--proton fluxes	LIPARI, Paolo

### **g-rays - Sala Vittorio Emanuele (14:30-16:30)**

time	title	presenter
14:30	VHE pulsed gamma-ray emission from the Crab Pulsar by MAGIC	ZANIN, Roberta
14:55	Very-high-energy steady spectrum of Crab nebula	FRASCHETTI, Federico
15:15	Supernova Remnants with Fermi Large Area Telescope	CARAGIULO, Micaela
15:35	The First Fermi-LAT SNR Catalog SNR and Cosmic Ray Implications	DE PALMA, Francesco
15:55	Detection of VHE gamma-rays from AGN's with redshift close to $z=1$	TAYLOR, Andrew

**DM - Sala Vanvitelli (14:31-16:31)**

time	title	presenter
14:31	DAMIC at SNOLAB: searching for low mass WIMPs with CCDs	PRIVITERA, Paolo
15:01	Seasonal variations of the rate of multiple - muons in the MACRO experiment in the Gran Sasso underground laboratory	RONGA, Francesco
15:31	Dama/LIBRA	BELLI, Pierluigi
16:01	XENON1T	OBERLACK, Uwe

**CR - (17:00-19:00)**

time	title	presenter
17:00	Precision Measurement of Nuclei Fluxes and their Ratios in Primary Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station	HEIL, Melanie
17:25	PAMELA's measurements of the January 6, 2014 solar energetic particle event	BRUNO, Alessandro
17:45	The Solar Event of May 22 of 2013: observations by the PAMELA experiment	MARTUCCI, Matteo
18:05	The FAST project - Next Generation UHECR Observatory	FUJII, Toshihiro
18:30	The EEE Project, science in school: recent results on cosmic rays detection and performances	MIOZZI, Silvia

**g-rays - Sala Vittorio Emanuele (17:00-19:10)**

time	title	presenter
17:00	Limits on Lorentz invariance violation at the Planck energy scale from H.E.S.S. spectral analysis of the blazar Mrk 501	LORENTZ, Matthias
17:20	HAWC upgrade with a sparse outrigger array	JOSHI, Vikas
17:40	Recent results in gamma-ray astronomy with the ARGO-YBJ detector	DI GIROLAMO, Tristano
18:05	Gamma ray astronomy above 100 TeV and the IceCube results	VERNETTO, Silvia
18:30	LATTES: a new gamma-ray detector concept for South America	CONCEIÇÃO, Ruben
18:50	RPC for gamma-ray detectors at high latitude	SANTONICO, Rinaldo

**DM - Sala Vanvitelli (17:01-19:00)**

time	title	presenter
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17:01	The DarkSide Program for Direct Dark Matter Search	FIORILLO, Giuliana
17:31	Directional Dark Matter Detection with Two-Phase Argon TPC Detectors	WALKER, Susan
17:51	ZnWO4 anisotropic scintillator for Dark Matter investigation with the directionality technique	CERULLI, Riccardo
18:11	Prospects of Dark Matter Direct Detection on Dark Portals	ARCADI, Giorgio

### **Posters - (19:10-20:20)**

time	title	presenter
19:15	The High Energy Particle Detector on board of the CSES mission	VITALE, Vincenzo
19:16	Cut-off Characterization of Bright Fermi Sources: Current instrument limits and future possibilities.	ROMOLI, Carlo
19:17	Mid latitude sporadic E-layer Variability during ascending phase of solar cycle 24	PUROHIT, Pramod Kumar
19:18	Spikes of supra-thermal particles at interplanetary shock waves	FRASCHETTI, Federico
19:19	Feasibility study of the $^{13}\text{C}(\alpha, n)^{16}\text{O}$ reaction at LUNA	KOCHANNEK, Izabela Anna
19:20	Cosmic rays and their modulation in the heliosphere by studying gamma rays from the Sun with Fermi-LAT: updated models	ORLANDO, Elena
19:21	Observations of the gamma-ray emission from the quiescent Sun with the Fermi Large Area Telescope during the first 7 years in orbit	RAINO', Silvia
19:22	A Major Upgrade of the H.E.S.S. Cherenkov Cameras	LYPOVA, Iryna
19:23	Results from a Deep Hard X-Ray AGN Survey	BOTTACINI, Eugenio
19:24	Prospects for detecting Gamma-Ray Bursts with the Cherenkov Telescope Array	BISSALDI, Elisabetta
19:25	Development of a SiPM based camera for Cherenkov Telescope Array	BISSALDI, Elisabetta
19:26	The Fermi-GBM Gamma-Ray Burst Catalogs: The First Six Years	BISSALDI, Elisabetta
19:27	The pLISA project in ASTERICS	DE BONIS, Giulia
19:28	Design and Production of the Digital Optical Modules of the KM3NeT project	LEONORA, Emanuele
19:29	Precision Timing and Triggering for distributed astroparticle experiments	WISCHNEWSKI, Ralf
19:30	Z' portal for a keV dark matter	DUTRA, Maíra
19:31	Measuring space-time fuzziness with high energy gamma-ray detectors	RAPPOLDI, Andrea
19:32	CaloCube: a novel calorimeter for high-energy cosmic rays in space	CATTANEO, Paolo Walter
19:33	White Rabbit Facility	RODRIGUEZ FERNANDEZ, Gonzalo

### **Social Dinner - (20:20-22:20)**

## Friday 24 June 2016

### CR and Gamma - Sala Vanvitelli (09:00-11:05)

time	title	presenter
09:00	The PAMELA Experiment: A decade of Cosmic Rays Investigation	MUNINI, Riccardo
09:25	The AMS-02 detector on the International Space Station - Status and highlights, after the first 5 years on orbit	DURANTI, Matteo
09:50	The Fermi Telescope results and Future space based gamma-ray observatories	MCENERY, Julie
10:15	First data from the DAMPE space mission	DE MITRI, Ivan
10:40	High-Energy Emission from Starburst Galaxies	PERSIC, Massimo

### Particle and Astroparticle - Sala Vanvitelli (11:30-13:30)

time	title	presenter
11:30	Gamma-ray Signatures of Dark Matter	CIRELLI, Marco
12:00	Background systematics for Dark Matter Searches	WENIGER, Christoph
12:25	Hadronic interactions and cosmic rays physics	ENGEL, Ralph
12:55	HAWC	CASANOVA, Sabrina

### CR and Gamma - Sala Vanvitelli (14:30-17:00)

time	title	presenter
14:30	HESS-II - Gamma ray astronomy from 20 GeV to hundreds of TeV's	DE NAUROIS, Mathieu
14:55	The CTA Observatory	ANTONELLI, Lucio Angelo
15:20	The ASTRI prototype and mini-array: telescopes precursors for the Cherenkov Telescope Array (CTA)	ANTONELLI, Lucio Angelo
15:45	LHAASO	HONGBO, Hu
16:10	The Next Generation All-Sky TeV Gamma-Ray Observatory	SINNIS, Gus
16:35	Km3Net	BRUNNER, Juergen

### Summary and Conference conclusion - Sala Vanvitelli (17:00-18:00)