

Timetable

	Monday 15-07-19	Tuesday 16-07-19	Wednesday 17-07-19	Thursday 18-07-19	Friday 19-07-19
9:00 to 9:35	K. Olive (USA)	S. White (Germany)	P. Ko (S. Korea)	Q. Shafi (USA)	A. Gago (Peru) [DUNE]
9:35 to 10:10	J. Navarro (Canada)	S. Heinemeyer (Spain)	C. Muñoz (Spain)	C. Frenk (UK)	C. Strandhagen (Germany) [MADMAX]
10:10 to 10:40	Coffee Break 30'	Coffee Break 30'	Coffee Break 30'	Coffee Break 30'	Coffee Break 30'
10:40 to 11:15	P. Serpico (France)	P. Gondolo (USA)	Y. Mambrini (France)	S. Scopel (S. Korea)	V. Tioukov (Italy) [NEWSdm]
11:15 to 11:50	J. Berdugo (Spain) [AMS]	A. D'Addabbo (Italy) [CRESST-III]	H. Wahlberg (Argentina) [ATLAS]	J. Tiffenberg (USA) [SENSEI]	H. Shi (Austria) [DANAE]
11:50 to 12:25	G. De Pietro (Italy) [Belle II]	Federico Sanchez (Argentina) [AUGER]	P. Maksimovic (USA) [CMS]	K. Kobayashi (Japan) [XMASS]	C. Scoccola (Argentina) [QUBIC]
12:25 to 14:00	Lunch 1:35hs	Lunch 1:35hs	Lunch 1:35hs	Lunch 1:35hs	Lunch 1:35hs
14:00 to 14:35	A. Ibarra (Germany)	F. Urban (Czech Republic)	F. Iocco (Brazil)	X. Bertou (Argentina) [ANDES]	C. Siqueira (Brazil) M. Mendivil (Mexico)
14:35 to 15:10	M. Pernas (Brazil) [DarkSide]	A. Porcelli (Belgium) [IceCube]	N. Crisosto (USA) [ADMX]	R. Lineros (Chile) O. Seto (Japan)	A. Abebe (South Africa) O. Civitarese (Argentina)
15:10 to 15:40	Coffee Break 30'	Coffee Break 30'	Announcement	Coffee Break 25'	Coffee Break 20'
15:40 to 16:00	K. Kaneta (USA)	K. Choi (S. Korea)	POSTERS** & delicatessen 1 hour	N. Nagata (Japan)	S. Nuza (Argentina)
16:00 to 16:20	C. Yaguna (Colombia)	M. Pierre (Spain)		J. Lavallo (France)	S. Landau (Argentina)
16:20 to 16:40	J. Macias-Perez (France)	M. Morikawa (Japan)		D. Santos (France)	J. Sato (Japan)
16:40 to 17:00	V. Gammaldi (Spain)	T. Matsui (S. Korea)	D. Rodrigues (Brazil)	Social Time	The end

Plenary Sessions	30' + 5'
Evening Sessions	17' + 3'

Blanck Page

Monday

Morning (35 min Talks)

➤ **8:00 hs to 9:00 hs Registration**

➤ 9:00 hs - **Keith Olive** (Minnesota University, USA)

"Supersymmetry from the weak scale to the inflationary scale"

➤ 9:35 hs - **Julio Navarro** (University of Victoria, Canada)

"Small-scale challenges to the LCDM Paradigm"

➤ **10:10 hs to 10:40 hs COFFEE BREAK**

➤ 10:40 hs - **Pasquale D. Serpico** (LAPTh, France)

"Probing the Fermi-LAT GeV excess with gravitational waves"

➤ 11:15 hs - **Javier Berdugo** (CIEMAT, Spain)

[AMS]

"The Latest Results from the Alpha Magnetic Spectrometer on the ISS"

➤ 11:50 hs - **Giacomo De Pietro** (INFN ROMA III, Italy)

[Belle II]

"Dark Sector Searches at Belle II"

➤ **12:25 hs to 14:00 hs LUNCH**

Monday

Afternoon (35 min Talks)

- 14:00 hs - **Alejandro Ibarra** (TUM, Germany)
"Impact of astrophysical uncertainties in local DM searches"

- 14:35 hs - **Maximo A. Pernas** (U Sao Paulo, Brazil) **[DarkSide]**
"A Global Liquid Argon Dark Matter Search Program"

- **15:10 hs to 15:40 hs COFFEE BREAK**

Evening (20 min Talk)

- 15:40 hs - **Kunio Kaneta** (University of Minnesota. USA)
"Gravitino dark matter in high scale supersymmetry"

- 16:00 hs - **Carlos Yaguna** (UPTC, Colombia)
"New constraints on isospin-violating dark matter from DEAP-3600"

- 16:20 hs - **Juan Macias-Perez** (U. Grenoble Alpes, France)
"Cluster cosmology with NIKA2"

- 16:40 hs - **Viviana Gammaldi** (IFT UAM-CSIC, Spain)
"multi-TeV dark matter indirect searches"

Tuesday

Morning (35 min Talks)

- 9:00 hs - **Simon White** (Max Planck Institute for Astrophysics, Germany)
"The distribution of dark matter according to the standard cosmological paradigm"

- 9:35 hs - **Sven Heinemeyer** (IFT/IFCA CSIC, Spain)
"Global Fit for Dark Matter with leptophobic Mediators"

- **10:10 hs to 10:40 hs COFFEE BREAK**

- 10:40 hs - **Paolo Gondolo** (University of Utah, USA)
"Dark energy lumps"

- 11:15hs - **Antonio D'Addabbo** (GSSI-INFN, Italy) **[CRESST-III]**
"First results from the CRESST-III low-mass dark matter program"

- 11:50 hs - **Federico Sanchez** (CNEA, Argentina) **[AUGER]**
"Latest results from the Pierre Auger Observatory"

- **12:25 hs to 14:00 hs LUNCH**

Tuesday

Afternoon (35 min Talks)

- 14:00 hs - **Federico Urban** (FZU, Czech Republic)
"Binary Pulsars as detectors for Ultralight Dark Matter"

- 14:35 hs – **Alessio Porcelli** (Gent University, Belgium)
"IceCube latests and IceCube-Gen2 prospectives"

[IceCube]

- **15:10 hs to 15:40 hs COFFEE BREAK**

Evening (20 min Talks)

- 15:40 hs - **Ki-Young Choi** (Sungkyunkwan University, Korea)
"Dark matter-neutrino interaction from IceCube-170922A"

- 16:00 hs - **Mathias Pierre** (IFT & UAM, Spain)
"Cosmology With a Very Light $L_\mu-L_\tau$ Gauge Boson"

- 16:20 hs - **Masahiro Morikawa** (Ochanomizu University, Japan)
"Supermassive Black Holes from Quantum Condensate Dark Matter
– Black Hole/Dark Halo Ratio from Rotation and Axion"

- 16:40 hs - **Toshinori Matsui** (Kias, South Korea)
"Fermion dark matter in models with U(1) symmetry"

Wednesday

Morning (35 min Talks)

- 9:00 hs - **Pyungwon Ko** (KIAS, South Korea)
"Particle physics models for interacting DM-DR for relaxing the tensions in the Hubble parameter (H_0) and the structure growth rate (σ_8)"

- 9:35 hs - **Carlos Muñoz** (UAM & IFT, Spain)
"The μ SSM at the LHC and beyond"

- **10:10 hs to 10:40 hs COFFEE BREAK**

- 10:40 hs - **Yann Mambrini** (Paris-Saclay CNRS, France)
"Alternative scenarios for heavy dark matter"

- 11:15 hs - **Hernan Wahlberg** (U. N. La Plata, Argentina) **[ATLAS]**
"Searches for new physics, such as Dark Matter, with the ATLAS detector"

- 11:50 hs - **Petar Maksimovic** (Johns Hopkins University, USA) **[CMS]**
"Highlights of recent results by CMS"

- **12:25 hs to 14:00 hs LUNCH**

Wednesday

Afternoon (35 min Talks)

- 14:00 hs - **Fabio Iocco** (ICTP-SAIFR, Brazil)
"The Dark Matter distribution of the Milky Way"

- 14:35 hs - **Nicole Crisosto** (University of Washington, USA) **[ADMX]**
"Results and Status of the Axion Dark Matter Experiment"

- **15:10 hs to 15:25 hs ANNOUNCEMENT (15 min)**

Special Poster Session with Delicatessen (1 hs session)

- **15:25 hs to 16:25 hs POSTER & DELICATESSEN** (see list of posters at the end)

Evening (20 min Talk)

- 16:25 hs - **Daniel Santos** (CNRS & Grenoble-Alpes University, France)
"Directional Dark Matter Detection"

- 16:45 hs - **Davi Rodrigues** (Federal University of Espírito Santo, Brazil)
"Absence of a fundamental acceleration scale in galaxies"

Thursday

Morning (35 min Talks)

- 9:00 hs - **Qaisar Shafi** (University of Delaware, USA)
"Grand Unification and Weak Gravity Conjecture"

- 9:35 hs - **Carlos Frenk** (ICC, Durham University, UK)
"A conclusive test of the existence of cold dark matter"

- **10:10 hs to 10:40 hs COFFEE BREAK**

- 11:15 hs - **Stefano Scopel** (Sogang University, South Korea)
"Squeezing WIMP direct detection data to the last drop(s)"

- 11:50 hs - **Javier Tiffenberg** (Fermilab, USA) [SENSEI]
"SENSEI: First results, status, and plans"

- **Kazuyoshi Kobayashi** (ICRR, university of Tokyo, Japan) [XMASS]
"Latest results from XMASS"

- **12:25 hs to 14:00 hs LUNCH**

Thursday

Afternoon (35 min Talk)

- 14:00 hs - **Xavier Bertou** (CNEA-UNCuyo-CONICET, Argentina) [ANDES]
"ANDES"

Evening (20 min Talks)

- 14:35 hs - **Roberto Lineros** (Universidad Católica del Norte, Chile)
"Connecting Dark Matter and Neutrinos physics via spontaneous lepton number violation"
- 14:55 hs - **Osamu Seto** (Hokkaido University, Japan)
"Electric dipole moments and Higgs funnel annihilating dark matter in CPV MSSM"
- **15:15 hs to 15:40 hs COFFEE BREAK**
- 15:40 hs - **Natsumi Nagata** (University of Tokyo, Japan)
"Limit on the Axion Decay Constant from the Cooling Neutron Star in Cassiopeia A"
- 16:00 hs - **Julien Lavalle** (LUPM, France)
"Improved semi-analytical Galactic dark matter subhalo population model"
- 16:20 hs - **Joe Sato** (Saitama University, Japan)
"Big-bang nucleosynthesis and Leptogenesis in CMSSM"

Friday

Morning (35 min)

- 9:00 hs - **Alberto Gago** (Pontificia Universidad Católica del Perú, Perú) [DUNE]
"DUNE: Status and Physics Potential"
- 9:35 hs - **Christian Strandhagen** (U. Tuebingen, Germany) [MADMAX]
"Search for QCD Dark Matter Axions with MADMAX"
- 10:10 hs – **COFFE BREAK**
- 10:40 hs - **Valeri Tioukov** (INFN, Naples, Italy) [NEWSdm]
"Directional Dark Matter Search with Nuclear Emulsion"
- 11:15 hs - **Hexi Shi** (HEPHY OeAW, Austria) [DANAE]
"Performance of the prototype DEPFET-RNDR device for direct dark matter search in DANAE"
- 11:15 hs - **Claudia Scoccola** (UNLP-CONICET, Argentina) [QUBIC]
"QUBIC: the Q&U bolometric interferometer for Cosmology"
- **12:25 hs to 14:00 hs LUNCH**

Friday

Friday Afternoon (20 min Talks)

- 14:00 hs - **Clarissa Siqueira** (IIP/UFRN, Brazil)
"Has AMS-02 Observed Two-Component Dark Matter?"

- 14:20 hs - **Mauro Napsuciale Mendivil** (Universidad de Guanajuato, Mexico)
"Effective interactions of spinning dark matter"

- 14:40 hs - **Amare Abebe** (North-West University, South Africa)
"Bianchi-V cosmological solutions with evolving gravitational and cosmological constants"

- 15:00 hs - **Oswaldo Civitarese** (IFLP UNLP-CONICET, Argentina)
"Neutrino interactions with dark matter"

- **15:20 hs to 15:40 hs COFFEE BREAK**

- 15:40 hs - **Sebastián Nuza** (DF/IAFE UBA-CONICET, Argentina)
"Gas accretion in simulated Milky Way-like galaxies"

- 16:00 hs - **Susana Landau**(DF/IFIBA UBA-CONICET, Argentina)
"Solar system tests and chameleon effect in $f(R)$ gravity"

- 16:20 hs - **Maria E. De Rossi** (IAFE UBA-CONICET, Argentina)
"Signatures of early structure formation at FIR/sub-mm wavelengths"

- 16:40 hs - **THE END**

Special poster session on Wednesday 15:25 hs to 16:25 hs

Observation: Posters are available the entire conference

POSTERS

1. Kento Asai (The University of Tokyo, Japan)
Predictions for the neutrino parameters in the minimal model extended by general lepton flavor dependent $U(1)$ gauge symmetries
2. Gabriel D. Zapata (IFIMAR CONICET-UN Mar del Plata, Argentina)
Majorana neutrinos at future $e^+ e^-$ colliders
3. Agustín Matías Carulli (IFIMAR CONICET-UN Mar del Plata, Argentina)
High-energy neutrinos from Population III Microquasars
4. Matías Reynoso (IFIMAR CONICET-UN Mar del Plata, Argentina)
Propagation of astrophysical neutrinos interacting with ultra-light pseudoscalar dark matter
5. Maria Manuela Saez (FCAGLP UNLP, Argentina)
Massive neutrinos in core-collapse supernovae
6. Keiko Fushimi (FCAGLP-CONICET, Argentina)
Studies of leptonic cold dark matter models
7. Paulina Knees (DF/IFIBA UBA-CONICET, Argentina)
sterile neutrino as dark matter in SUSY
8. Andrés D. Perez (DF/IFIBA UBA-CONICET, Argentina)
Multiple dark matter candidates analysis
9. Carlos Argüelles (IALP UNLP-CONICET, Argentina)
Particle-based models for dark matter halos at all scales
10. Gaétan Facchinetti (Laboratoire Univers et Particules de Montpellier, France)
Subhalo properties in simplified particle dark matter models

Posters

11. Cesar Calderon (Institute of Astrophysics PUC, Chile)
Better targets for the search of dark matter in dwarf galaxies for the CTA
12. Juan M. Armaleo (DF/IFIBA UBA-CONICET, Argentina)
Tensor Fuzzy Dark Matter and Binary Pulsars
13. Facundo Manuel Delfino (FCAGLP UNLP, Argentina)
Clustering of orphans galaxies in semianalytic models
14. Biaux, Luis (DF UBA, Argentina)
Numerical simulations of the chemical enrichment of galaxies
15. María Pía Piccirilli (FCAGLP – UNLP/CONICET, Argentina)
Constraining quantum collapse inflationary models with current observational data
16. Lucila Kraiselburd (FCAGLP-UNLP, Argentina)
The two-body problem in the chameleon model
17. Matias Perlin (ITeDA CNEA-CONICET-UNSAM, Argentina)
Insight into muon deficit of cosmic-ray air showers at $10^{17.5}$ eV
18. Juan Manuel Gonzalez (Instituto Balseiro, Argentina)
Spectrum for a ultra high energy cosmic ray source
19. Neidym Torres (IAFE CONICET-UBA, Argentina)
Analysis of the Warm-hot Intergalactic Medium through high-resolution X-ray spectroscopy.
20. Monica Barrera (Instituto Balseiro C A Bariloche, Argentina)
Validation of a new electronic system in the Pierre Auger Observatory using the Universality description of Cosmic Ray cascades
21. Ana Martina Botti (ITeDA CNEA-CONICET-UNSAM, Argentina)
The AMIGA underground muon detector at Auger Prime: operation and calibration.

22. Gabriel Leon (FCAG UNLP, Argentina)
Comparison of predictions between standard and alternative inflationary scenarios using data from the Cosmic Microwave Background
23. Carolina Negrelli (FCAG UNLP, Argentina)
Testing the MOG theory with cosmological data
24. Martín Miguel Gamboa Lerena (FCAG UNLP, Argentina)
QUBIC experiment: spectro-imagery technique
25. Nahuel Miron Granese (DF/UBA, Argentina)
Primordial gravitational waves spectrum enhanced by causal fluids
26. Martín Carusso (IAFE CONICET-UBA, Argentina)
Primordial gravitational waves spectrum enhanced by causal fluids
27. María Cecilia Tomasini (DF/FCEyN UBA, Argentina)
Arbitrarily coupled scalar field in conical thin-shell spacetimes
28. Emilio Rubín de Celis (DF/FCEN UBA, Argentina)
Instability of a non-minimally coupled scalar field in cylindrical spacetimes
29. Griselda Figueroa Aguirre (IAFE UBA-CONICET, Argentina)
Construction and stability of thin shells surrounding black holes in $F(R)$ gravity
30. Javier Badía (IAFE UBA-CONICET, Argentina)
Strong deflection of light by black holes in Horndeski theory
31. Carlos Maximiliano Sendra (IAFE UBA-CONICET, Argentina)
Apparent shape of rotating braneworld black holes with a cosmological constant