

Third Town Hall KM3NeT Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

KM3NeT: general status

Monday, 14 April 2025 09:00 (20 minutes)

Presenter: COYLE, Paschal Anthony (Centre National de la Recherche Scientifique (FR))

Session Classification: KM3NeT

Contribution ID: 2

Type: **not specified**

Summary of astro results

Session Classification: KM3NeT

Contribution ID: 3

Type: **not specified**

What do we know on the UHE event

Monday, 14 April 2025 11:00 (25 minutes)

Presenter: FUSCO, Luigi Antonio (University of Salerno)

Session Classification: KM3NeT

Contribution ID: 4

Type: **not specified**

Online framework

Monday, 14 April 2025 11:45 (20 minutes)

Presenters: VEUTRO, Alessandro (Università degli studi di Roma La Sapienza, Piazzale Aldo Moro, 5, 00185 Roma RM); VEUTRO, Alessandro (Sapienza Università di Roma)

Session Classification: KM3NeT

Contribution ID: 5

Type: **not specified**

Real-time analyses and Neutrino alerts

Monday, 14 April 2025 12:05 (25 minutes)

Presenter: PALACIOSGONZALEZ, Juan (IFIC (CSIC-UV))

Session Classification: KM3NeT

Contribution ID: 6

Type: **not specified**

Analysis methods

Monday, 14 April 2025 11:25 (20 minutes)

Presenter: CARENINI, Francesco

Session Classification: KM3NeT

Contribution ID: 7

Type: **not specified**

ARCA reconstruction performances and systematics

Monday, 14 April 2025 09:40 (25 minutes)

Presenter: Dr KULIKOVSKIY, Vladimir (INFN Genova)

Session Classification: KM3NeT

Contribution ID: **8**

Type: **not specified**

ORCA reconstruction performances and systematics

Monday, 14 April 2025 10:05 (25 minutes)

Presenter: MAGNANI, Francesco

Session Classification: KM3NeT

Contribution ID: 9

Type: **not specified**

Recent Results from The HAWC Gamma-Ray Observatory

Tuesday, 15 April 2025 09:25 (25 minutes)

Presenters: COUTINO DE LEON, SARA; COUTINO, Sara; COUTIÑO, Sara (Instituto Nacional de Astrofísica, Óptica y Electrónica (INAOE))

Session Classification: Galactic neutrino sources

Contribution ID: **10**

Type: **not specified**

The ultra-high-energy sky seen by LHAASO

Tuesday, 15 April 2025 09:00 (25 minutes)

Presenter: ZHA, Min (IHEP)

Session Classification: Galactic neutrino sources

Contribution ID: 11

Type: **not specified**

H.E.S.S. Galactic results

Tuesday, 15 April 2025 09:50 (25 minutes)

Presenter: REMY, Quentin (MPIK Heidelberg)

Session Classification: Galactic neutrino sources

Contribution ID: **12**

Type: **not specified**

Galactic neutrino sources

Tuesday, 15 April 2025 10:15 (25 minutes)

Presenters: GABICI, Stefano; GABICI, Stefano

Session Classification: Galactic neutrino sources

Contribution ID: 13

Type: **not specified**

ANTARES and KM3NeT Galactic Plane Results

Tuesday, 15 April 2025 11:00 (20 minutes)

Presenters: FILIPPINI, Francesco (University of Bologna, INFN-Bo); FILIPPINI, Francesco (Dipartimento di Fisica e Astronomia - Università di Bologna, INFN-Bologna, Italy); FILIPPINI, Francesco

Session Classification: Galactic neutrino sources

Contribution ID: **14**

Type: **not specified**

IceCube Galactic Plane Results

Tuesday, 15 April 2025 11:20 (20 minutes)

Presenters: NESTE, Ludwig; NESTE, Ludwig (Stockholm University/Oscar Klein Centre)

Session Classification: Galactic neutrino sources

Contribution ID: 15

Type: **not specified**

VHE diffuse Galactic emission with the new version of KRA-gamma model

Tuesday, 15 April 2025 11:40 (25 minutes)

Presenters: DE LA TORRE LUQUE, Pedro (Oskar Klein Centre, Stockholm University); DE LA TORRE LUQUE, Pedro (Institute of theoretical physics (IFT-UAM)); DE LA TORRE LUQUE, Pedro Jose; DE LA TORRE LUQUE, Pedro Jose (Universita e INFN, Bari (IT))

Session Classification: Galactic neutrino sources

Contribution ID: **16**

Type: **not specified**

VHE diffuse Galactic emission with a special focus on unresolved sources

Tuesday, 15 April 2025 12:05 (25 minutes)

Presenter: Prof. VILLANTE, Francesco (University of L'Aquila (DSFC) and INFN-LNGS)

Session Classification: Galactic neutrino sources

Contribution ID: 17

Type: **not specified**

IceCube ultra-high-energy neutrino results

Wednesday, 16 April 2025 09:00 (25 minutes)

Presenter: MEIER, Maximilian (Chiba University)

Session Classification: Ultra-high-energy events

Contribution ID: 19

Type: **not specified**

Ultra-high-energy cosmic rays measurements and neutrino searches at cosmic ray observatories

Wednesday, 16 April 2025 09:25 (30 minutes)

Presenter: MARIS, Ioana (Université Libre de Bruxelles)

Session Classification: Ultra-high-energy events

Third Town Hall ⋯ / Report of Contributions

Connections between ultra-high- ...

Contribution ID: 21

Type: **not specified**

Connections between ultra-high-energy cosmic rays and neutrinos

Wednesday, 16 April 2025 10:45 (25 minutes)

Presenter: VAN VLIET, Arjen

Session Classification: Ultra-high-energy events

Contribution ID: 22

Type: **not specified**

Cosmogenic ultra-high-energy neutrino models

Wednesday, 16 April 2025 11:35 (25 minutes)

Presenter: ALOISIO, Roberto (Gran Sasso Science Institute and INFN)

Session Classification: Ultra-high-energy events

Contribution ID: 23

Type: **not specified**

Ultra-high-energy neutrino source models

Wednesday, 16 April 2025 09:55 (30 minutes)

Presenter: BONCIOLI, Denise

Session Classification: Ultra-high-energy events

Contribution ID: 24

Type: **not specified**

Beyond Standard Model interpretations

Wednesday, 16 April 2025 12:00 (25 minutes)

Presenter: Dr BUSTAMANTE, Mauricio (Niels Bohr Institute)

Session Classification: Ultra-high-energy events

Contribution ID: **26**

Type: **not specified**

Radio follow-up opportunities with SKA

Thursday, 17 April 2025 09:25 (25 minutes)

Presenter: GIROLETTI, Marcello

Session Classification: Neutrino follow-up activities

Contribution ID: 27

Type: **not specified**

Radio follow-up opportunities with VLBI/Single dish

Thursday, 17 April 2025 09:00 (25 minutes)

Presenter: Prof. KOVALEV, Yuri (Max Planck Institute for Radio Astronomy)

Session Classification: Neutrino follow-up activities

Contribution ID: **28**

Type: **not specified**

X-ray follow-up opportunities with Swift/SVOM/EP

Thursday, 17 April 2025 09:50 (25 minutes)

Presenter: COLEIRO, Alexis (Université Paris Diderot)

Session Classification: Neutrino follow-up activities

Contribution ID: **29**

Type: **not specified**

X-ray follow-up opportunities with Nustar/XMM

Thursday, 17 April 2025 10:15 (25 minutes)

Presenter: PORQUET, Delphine (Laboratoire d'Astrophysique de Marseille)

Session Classification: Neutrino follow-up activities

Contribution ID: **30**

Type: **not specified**

Optical follow-up opportunities with robotic telescopes

Thursday, 17 April 2025 11:10 (25 minutes)

Presenter: TURPIN, Damien (IRAP)

Session Classification: Neutrino follow-up activities

Contribution ID: 31

Type: **not specified**

Optical follow-up opportunities with large telescopes

Session Classification: Neutrino follow-up activities

Contribution ID: 32

Type: **not specified**

Gamma-ray follow-up opportunities with Fermi

Thursday, 17 April 2025 11:35 (25 minutes)

Presenter: BUSON, Sara

Session Classification: Neutrino follow-up activities

Contribution ID: 33

Type: **not specified**

TeV gamma/neutrino follow-up opportunities

Thursday, 17 April 2025 12:00 (30 minutes)

Presenter: MANCINA, Sarah (University of Wisconsin – Madison)

Session Classification: Neutrino follow-up activities

Contribution ID: 34

Type: **not specified**

Slot 9

Session Classification: Neutrino follow-up activities

Contribution ID: 35

Type: **not specified**

Slot 9

Session Classification: Galactic neutrino sources

Contribution ID: **36**

Type: **not specified**

Summary working session: galactic

Friday, 18 April 2025 09:30 (30 minutes)

Presenter: Dr CELLI, Silvia (La Sapienza Università di Roma and INFN)

Session Classification: Summary sessions

Contribution ID: 37

Type: **not specified**

Summary working session 2: UHE events

Friday, 18 April 2025 10:00 (30 minutes)

Presenter: LAMOUREUX, Mathieu (UCLouvain)

Session Classification: Summary sessions

Contribution ID: **38**

Type: **not specified**

Summary working session 3: follow-up

Friday, 18 April 2025 11:00 (30 minutes)

Presenters: DUCOIN, Jean-Gregoire (CPPM); DUCOIN, Jean-Gregoire

Session Classification: Summary sessions

Contribution ID: 39

Type: **not specified**

KM3NeT future

Presenters: DORNIC, Damien (CPPM); ILLUMINATI, Giulia (INFN-Bologna)

Session Classification: Summary sessions

Contribution ID: **40**

Type: **not specified**

Conclusion

Friday, 18 April 2025 11:50 (5 minutes)

Session Classification: Summary sessions

Contribution ID: 41

Type: **not specified**

Summary KM3NeT last astro results

Monday, 14 April 2025 09:20 (20 minutes)

Presenter: ILLUMINATI, Giulia (INFN-Bologna)

Session Classification: KM3NeT

The sources of ultra-high-energy neutrinos and gamma rays

Wednesday, 16 April 2025 11:10 (25 minutes)

Author: NERONOV, Andrii (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Presenter: NERONOV, Andrii (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Session Classification: Ultra-high-energy events

Contribution ID: 43

Type: **not specified**

Introduction

Monday, 14 April 2025 08:50 (10 minutes)

Contribution ID: 44

Type: **not specified**

Galactic neutrino sources working session

Tuesday, 15 April 2025 14:00 (20 minutes)

Session Classification: Working Session