

Activities from 2022 till today

Publications:

- 1) The KM3NeT Collaboration (S Aiello, ... G Papalashvili, ... R Shanidze...),
Determining the neutrino mass ordering and oscillation parameters with KM3NeT/ORCA,
Eur.Phys.J.C 82 (2022) 1, 26
- 2) The KM3NeT Collaboration (S Aiello, ... G Papalashvili, ... R Shanidze...) and JUNO collaboration,
Combined sensitivity of JUNO and KM3NeT/ORCA to the neutrino mass ordering,
JHEP 03 (2022) 055
- 3) The KM3NeT Collaboration (S Aiello, ... G Papalashvili, ... R Shanidze...),
Implementation and first results of the KM3NeT real-time core-collapse supernova neutrino search,
Eur.Phys.J.C 82 (2022) 4, 317
- 4) The KM3NeT Collaboration (S Aiello, ... G Papalashvili, ... R Shanidze...),
The KM3NeT multi-PMT optical module,
arXiv:2203.10048
- 5) The KM3NeT Collaboration (S Aiello, ... G Papalashvili, ... R Shanidze...),
The KM3NeT project and Tier2 computing at Tbilisi State University,
PoS Regio2021 (2022) 006

- 6) The KM3NeT Collaboration (S Aiello, ... G Papalashvili, ... R Shanidze...),
KM3NeT broadcast optical data transport system,
JINST 18 (2023) 02, T02001

- 7) The KM3NeT Collaboration (S Aiello, ... G Papalashvili, ... R Shanidze...),
KM3NeT broadcast optical data transport system,
JINST 18 (2023) 02, T02001

- 8) The KM3NeT Collaboration (S Aiello, ... G Papalashvili, ... R Shanidze...),
First observation of the cosmic ray shadow of the Moon and the Sun with KM3NeT/ORCA,
Eur.Phys.J.C 83 (2023) 4, 344

- 9) The KM3NeT Collaboration (S Aiello, ... G Papalashvili, ... R Shanidze...),
Probing invisible neutrino decay with KM3NeT/ORCA
JHEP 04 (2023) 090

Talks:

1) *Search for Muon Decays in KM3NeT/ORCA6*

KM3NeT Cosmic Ray Group Meeting, 2 March 2022

2) *MC Study of Muon Decays in KM3NeT*

KM3NeT Cosmic Ray Group Meeting, 30 March 2022

3) *MC Study of Muon Decays in KM3NeT*

KM3NeT Cosmic Ray Group Meeting, 11 May 2022

4) *Study of Muon Decays in KM3NeT/ORCA6*

ANTARES and KM3NeT Collaboration Meeting, Athens, 16-20 May 2022

5) *Recent results from the KM3NeT experiment (Poster)*

8 Autumn School & Workshop of Regional Doctoral
Program in Theoretical and Experimental Particle Physics

“Recent Advances in Fundamental Physics”

September 24 - October 1, 2022 | Tbilisi, Georgia

6) *Study of Muon Decays in KM3NeT/ORCA6*

The ANTARES-KM3NeT Collaboration meeting, 24-28/10/2022

7) *Status of the Muon Decay Studies*

KM3NeT Cosmic Ray Group Meeting, 18/01/2023

8) *Study of Muon Decays in KM3NeT/ORCA6*

KM3NeT Cosmic Ray Group Meeting, 24/05/2023

9) *Status of Muon Decay Analysis in KM3NeT/ORCA6*

ANTARES-KM3NeT Collaboration Meeting, Salerno, Italy, 5/06/2023

Other activities:

1) Research visit in CPPM (Center for Particle Physics of Marseilles),
28/02-31/03/2022,

2) Research visit in ECAP (Erlangen Centre for Astroparticle Physics),
10/06-31/08/2022