

KM3NeT/ANTARES Collaboration Meeting in Athens, Greece.

Monday, May 16, 2022 - Friday, May 20, 2022

Program

Monday, May 16, 2022

Registration (9:30 AM - 10:00 AM)

WG: Data Processing and Data Quality (10:00 AM - 11:30 AM)

-Conveners: Luigi Antonio Fusco; Alba Domi; Alba Domi

time	title	presenter
10:00	ARCA6 Data/MC agreement status with V7.10 processing	PESTEL, Valentin
10:20	ARCA6 data/mc comparison with JShowerFit	LASTORIA, Chiara F LASTORIA, Chiara Filomena
10:35	ARCA8 and ARCA6 data analysis	TSOURAPIS, Vasileios
10:50	Status of data quality	DOMI, Alba
11:10	Status of data processing	FUSCO, Luigi Antonio

Coffee break (11:30 AM - 12:00 PM)

WG: Cosmic Rays (12:00 PM - 1:00 PM)

-Conveners: Ronald Bruijn

time	title	presenter
12:00	Introduction	BRUIJN, Ronald
12:15	Update on muon decays	SHANIDZE, Revaz
12:30	Selecting stopping muons	BAILLY-SALINS, Louis
12:45	"OMP" muon propagation	ROMANOV, Andrey

Lunch (1:00 PM - 2:00 PM)

WG: Dark Matter (2:00 PM - 3:30 PM)

-Conveners: Sara Rebecca Gozzini

time	title	presenter
2:00	Summary of working group activities and new analysis projects: double-cascade events from new physics at ORCA, neutrinos from the solar disk	GOZZINI, Sara Rebecca
2:10	Neutrino tomography with KM3NeT	MADERER, Lukas MADERER, Lukas
2:30	Sensitivity of ARCA-6 to WIMP annihilation in the Galactic Centre	SAINA, Adrian
2:45	Dark Matter in the Sun with ORCA6	GUTIERREZ, Miguel
2:55	Search for nuclearites with KM3NeT	PAUN, Alice
3:10	Dark Matter Searches with KM3NeT and model interpretations	BASEGMEZ DU PREE, Suzan

Coffee Break (3:30 PM - 4:00 PM)

WG: Oscillation (4:00 PM - 6:00 PM)**-Conveners: Juergen Brunner; Joao Coelho**

time	title	presenter
4:00 PM	Oscillations WG Summary	COELHO, Joao
4:50 PM	Status of the PID for ORCA6	LAZO, Alfonso
5:20 PM	Oscillation Analysis for Neutrino 2022	CARRETERO, Victor

Welcome drink (6:00 PM - 7:30 PM)

Tuesday, May 17, 2022

ANTARES- Astronomy (9:30 AM - 10:55 AM)

-Conveners: Francisco Salesa; Thomas Eberl; Dorothea Samtleben

time	title	presenter
9:30 AM	Introduction	SAMTLEBEN, Dorothea SALESA, Francisco SALESA GREUS, Francisco EBERL, Thomas
9:55 AM	Maring sources	ALVES, Sergio ALVES GARRE, Sergio ALVESGARRE, Sergio
10:15 AM	AMS0735+17 analysis	ALVES, Sergio ALVES GARRE, Sergio ALVESGARRE, Sergio ILLUMINATI, Giulia
10:35 AM	Galactic plane update	FILIPPINI, Francesco NERONOV, Andrii NERONOV, Andrii NERONOV, Andrii NERONOV, Andrii LAMOUREUX, Mathieu LAMOUREUX, Mathieu FILIPPINI, francesco

ANTARES analyses/publications: what next? (10:55 AM - 11:05 AM)

- Presenter: SPURIO, maurizio

Break (11:05 AM - 11:30 AM)

ANTARES - Dark Matter and Particle Physics (11:30 AM - 12:30 PM)

-Conveners: Miguel Ardid; Sara Rebecca Gozzini

time	title	presenter
11:30 AM	Introduction	ARDID, Miguel GOZZINI, Sara Rebecca
11:40 AM	Results of the DM search in the Sun	POIRÈ, Chiara
11:55 AM	Deep Learning reconstruction of single-line events and first trials for physics analyses	GARCIAMENDEZ, Juan
12:15 PM	Constraints on EeV-scale Dark Matter with ANTARES public data	GOZZINI, Sara Rebecca

WG: Astronomy (12:30 PM - 1:40 PM)

time	title	presenter
12:30 PM	Introduction	DORNIC, Damien ILLUMINATI, Giulia CONIGLIONE, rosa

12:40 PM	New multi-flavor PS sensitivities for full ARCA	JUAN VAN EEDEN, Thijs VAN EEDEN, Thijs
12:55 PM	Diffuse / PS starburst analysis with full ARCA	IDRISSI IBNSALIH, Walid
1:10 PM	Diffuse flux analysis for ARCA6	SINOPOULOU, Anna
1:25 PM	Galactic plane diffuse analysis for ARCA6	FILIPPINI, Francesco

Lunch (1:30 PM - 2:30 PM)

WG: Astronomy (2:30 PM - 3:30 PM)

time	title	presenter
2:30 PM	PS analysis for ARCA6	MULLER, Rasa
2:45 PM	Blazar analysis for ARCA8 / ORCA10	HUANG, Feifei PALACIOSGONZALEZ, Juan
3:00 PM	GW analysis for ORCA4 - ORCA6	LE STUM, Sebastien
3:15 PM	Status of the online activities	ZEGARELLI, Angela

KM3NeT: IB Meeting (3:30 PM - 6:45 PM)

-Conveners: Uli Katz

Wednesday, May 18, 2022

ANTARES report (9:30 AM - 10:00 AM)

- Presenter: KOUCHNER, Antoine David

KM3NeT report (10:00 AM - 10:30 AM)

- Presenters: COYLE, Paschal Anthony; COYLE, Paschal

Detector Operations: ORCA+ARCA (10:30 AM - 11:00 AM)

- Presenters: ENZENTHÖFER, Alexander; ENZENTHÖFER, Alexander; PIATTELLI, Paolo

Coffee Break (11:00 AM - 11:30 AM)

KM3NeT technical report (11:30 AM - 12:15 PM)

- Presenter: LINDSEY CLARK, Miles

KM3NeT physics report (12:15 PM - 12:35 PM)

- Presenters: HEIJBOER, Aart; HEIJBOER, aart; HEIJBOER, aart

KM3NeT Outreach report (12:35 PM - 12:45 PM)

- Presenters: DE WASSEIGE, Gwenhael; DE WASSEIGE, Gwenhaël; CIRCELLA, Marco

Sea Operation ORCA (12:45 PM - 1:05 PM)

- Presenters: LUMB, Nicholas; LUMB, Nick

Sea Operation ARCA (1:05 PM - 1:25 PM)

- Presenter: BIAGI, Simone

Collaboration picture (1:25 PM - 1:35 PM)

Lunch (1:35 PM - 2:25 PM)

KM3NeT: IB report (2:25 PM - 2:35 PM)

- Presenter: KATZ, Uli

KM3NeT PC report (2:35 PM - 2:45 PM)

- Presenter: MARGIOTTA, Annarita

KM3NeT CC Report (2:45 PM - 2:55 PM)

- Presenters: MARKOU, Christos; MARKOU, Christos

KM3NeT OSC report (2:55 PM - 3:10 PM)

- Presenter: SCHNABEL, Jutta

WG: Simulation (3:10 PM - 4:10 PM)**-Conveners: Carla Distefano; Carla Distefano; Carla Distefano**

time	title	presenter
3:10 PM	General overview	DISTEFANO, Carla DISTEFANO, Carla
3:25 PM	SeaGen v7.3.0	KALACZYNSKI, Piotr
3:40 PM	On the KM3Sim-JSirene comparison	KULIKOVSKIY, Vladimir
3:55 PM	KM3BUU & KM3Sim Updates	SCHUMANN, Johannes

Visit to the Acropolis museum (5:00 PM - 7:30 PM)**Collaboration dinner (8:30 PM - 11:30 PM)**

Thursday, May 19, 2022

WG: Calibration (9:30 AM - 11:00 AM)

-Conveners: Dorothea Samtleben; Robert Lahmann

time	title	presenter
9:30 AM	Calibration status	SAMTLEBEN, Dorothea LAHMANN, R. LAHMANN, Robert
9:42 AM	Calibration Unit ORCA	ILIONI, Alin
9:54 AM	Sun/Moon	CERISY, Luc CERISY, luc CERISY, luc
10:06 AM	Dynamic calibration	GATIUS OLIVER, Clara
10:18 AM	Mon calibration	BAILLY-SALINS, Louis
10:30 AM	Efficiencies/Gains	DE BENEDITTIS, Antonio DE BENEDITTIS, Antonio DEBENEDITTIS, Antonio
10:42 AM	Acoustic neutrino detection	DIEGO-TORTOSA, Dídac

Coffee Break (11:00 AM - 11:30 AM)

Comp&Soft WG: Comp & Soft (11:30 AM - 1:00 PM)

-Conveners: Kay Graf; Kay Graf; Mieke Bouwhuis

time	title	presenter
11:30 AM	Overview - Software&Computing	GRAF, Kay BOUWHUIS, Mieke
11:50 AM	KM3NeT DB - status and outlook	BOZZA, Cristiano BOZZA, Cristiano BOZZA, Cristiano
12:10 PM	Wiki	SCHNABEL, Jutta
12:25 PM	Track&Shower reconstruction	Ó FEARRAIGH, Brían
12:40 PM	Workflows, IT services, km3py updates	GAL, Tamas
12:50 PM	Detector shift tool package	SENECA, Jordan

Lunch (1:00 PM - 2:00 PM)

ANTARES IB meeting (2:00 PM - 4:00 PM)

-Conveners: Annarita Margiotta

Electronics (2:00 PM - 2:30 PM)

- Presenters: REAL, Diego; REAL, Diego; REAL MAÑEZ, Diego

Power (2:30 PM - 3:00 PM)

- Presenters: COCIMANO, Rosanna; COCIMANO, Rosanna

Optics (3:00 PM - 3:30 PM)

- Presenters: SCHMELLING, Jan-Willem; PULVIRENTI, Sara Rita

Mechanics (3:30 PM - 4:00 PM)

- Presenter: BERBEE, Edward

Coffee Break (4:00 PM - 4:30 PM)

System Engineering (4:30 PM - 4:50 PM)

- Presenters: BUIS, Ernst-Jan; BUIS, Ernst-Jan

WG: DAQ (5:10 PM - 6:20 PM)

-Conveners: Tommaso Chiarusi; Tommaso Chiarusi

time title

presenter

time	title	presenter
5:10 PM	DAQ/Readout WG Introduction	CHIARUSI, Tommaso
5:25 PM	MG-fw: status of the art and "broadcast" scenario	GABELLA, Omar VAN BEVEREN, Vincent VAN BEVEREN, Vincent
5:40 PM	Control Unit updates	BOZZA, Cristiano BOZZA, Cristiano
5:55 PM	DAQ stations: organisation and tools	ZITO, Daniele GIORGIO, Emidio Maria

Friday, May 20, 2022

Integration: DOM (9:00 AM - 10:10 AM)

-Conveners: Daniele Vivolo

Coffee Break (10:10 AM - 10:40 AM)

Integration: BM (10:40 AM - 11:50 AM)

-Conveners: Irene Sgura; Irene Sgura

Integration: DU (11:50 AM - 1:00 PM)

-Conveners: Carlos Maximiliano Mollo; Daan van Eijk

Lunch (1:00 PM - 1:30 PM)