

ANTARES and KM3NeT Collaboration Meeting, Genoa (Italy)

Monday, February 10, 2020 - Friday, February 14, 2020

**Department of Architecture
Program**

Monday, February 10, 2020

KM3NeT Technical: Calibration - Room 5H (1:30 PM - 3:00 PM)

-Conveners: Dorothea Samtleben

time	[id] title	presenter
1:30 P	[M60] Calibration overview	SAMTLEBEN, Dorothea
1:40 P	[M61] Nanobeacon update	PIETERSE, Camiel
2:00 P	[M63] Acoustic online monitoring	GUIDI, Carlo
2:15 P	[M62] DU line fit	D. TORTOSA, Dídac
2:35 P	[M64] Beam forming	LINCETTO, Massimiliano

Break - Room Vetro (3:00 PM - 3:30 PM)

KM3NeT Technical: Calibration - Room 5H (3:30 PM - 6:00 PM)

-Conveners: Dorothea Samtleben

time	[id] title	presenter
3:30 P	[M65] Compass update	POIRÈ, Chiara
3:45 P	[M66] Compass update	DARQUEA CHAUCA, Bryan
4:05 P	[M67] New compass validation	HEIJBOER, aart
4:20 P	[M68] Muon calibration	GUDERIAN, Daniel
4:40 P	[M69] ToT calibration - lab measurements	KALEKIN, Oleg
5:00 P	[M70] ToT calibration - new model	JUNG, Bouke

Welcome Drink - Room Vetro (6:30 PM - 7:30 PM)

Tuesday, February 11, 2020

KM3NET + ANTARES general: opening session - Room 5H (9:00 AM - 11:00 AM)

time	[id] title	presenter
9:00 AM	[M45] report ANTARES spokesperson	KOUCHNER, Antoine David
9:25 AM	[M48] overview of technical activities	LINDSEY CLARK, Miles
9:50 AM	[M73] report sea campaign	LAMARE, Patrick
10:10 AM	[M46] km3net operations news	ENZENHÖFER, Alexander BIAGI, Simone
10:20 AM	[M45] ANTARES operations	ENZENHÖFER, Alexander
10:30 AM	[M11] outreach	DE WASSEIGE, Gwenhaël
10:40 AM	[M08] GNN dissertation prize	KATZ, Uli

Break - Room Vetro (11:00 AM - 11:20 AM)

KM3NET + ANTARES general - Aula 00.142 (11:20 AM - 11:45 AM)

time	[id] title	presenter
11:20 AM	[M44] report KM3NeT spokesperson	TAIUTI, Mauro

EDI: Equality, Diversity and Inclusion - plenary meeting - Room 5H (11:45 AM - 12:45 PM)

-Conveners: Aikaterini Tzamarioudaki; Clancy James

time	[id] title	presenter
11:45 AM	[M19] lecture on non-violent communication	

KM3NeT-ECS lunch meeting - Room 4L (12:45 PM - 2:00 PM)

Lunch - Room Vetro (12:45 PM - 2:00 PM)

ANTARES Astrophysics - Room 5H (2:00 PM - 4:00 PM)

-Conveners: Thomas Eberl; Dorothea Samtleben

time	[id] title	presenter
2:00 PM	[M46] Calibration Status	CIRCELLA, Marco
2:15 PM	[M56] Search for neutrinos from very-high-energy GRBs	COLOMER, marta
2:35 PM	[M57] Update on the GRB stacking analysis	ZEGARELLI, Angela
2:55 PM	[M58] Point source stacking analysis update	AUBLIN, Julien
3:15 PM	[M59] Shower selection and atmospheric electron neutrino	VERSARI, Federico
3:35 PM	[M74] HAWC template analysis	FERRARA, Giovanna FUSCO, Luigi Antonio

KM3NeT Technical: Electronics, Power systems, PMTs & WWRS - Room 4L (2:00 PM - 3:55 PM)

-Conveners: Diego Real; Pasquale Migliozi; Rosanna Cocimano; Antonio D'Amico

time	[id] title	presenter
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2:00 PM	[M48] Electronics	REAL, Diego
2:35 PM	[M52] Power	COCIMANO, Rosanna
3:10 PM	[M55] PMTs	MIGLIOZZI, Pasquale MIGLIOZZI, Pasquale
3:30 PM	[M80] WWRS Preliminary Design Status and plan	D'AMICO, Antonio

Break - Room Vetro (4:00 PM - 4:25 PM)**ANTARES/KM3NeT : Dark Matter, Exotics - Room 5H (4:25 PM - 5:55 PM)**

time	[id] title	presenter
4:25 PM	[M81] Introduction	ZORNOZA GOMEZ, Juan De Dios ARDID, Miguel TAYALATI, Yahya
4:35 PM	[M001] Status of dark matter analyses	GOZZINI, Sara Rebecca
4:45 PM	[M86] Update on the azimuth reconstruction for BBFit Singleline events	POIRÈ, Chiara ARDID, Miguel
5:00 PM	[M83] Update on Magnetic Monopole analysis	BOUMAAZA, Jihad
5:15 PM	[M84] Neutrino Tomography of Earth with the ANTARES data, a perspective towards KM3NeT	DE BONIS, Giulia
5:30 PM	[M85] Earth tomography with atmospheric neutrinos	MADERER, Lukas

KM3NeT Technical: Mechanics, optics & qualifications - Room 4L (4:25 PM - 6:00 PM)

-Conveners: Edward Berbee; Antonio D'Amico; Sylvain Henry

time	[id] title	presenter
4:25 PM	[M53] Mechanics	BERBEE, Edward
5:00 PM	[M54] Optics	D'AMICO, Antonio
5:30 PM	[M56] Qualification	HENRY, Sylvain

km3net institute board: IB - Room 5H (6:05 PM - 10:00 PM)

Wednesday, February 12, 2020

KM3NET + ANTARES general: report from KM3NeT PC, new institutions - Room 5H (9:00 AM - 9:30 AM)

time	[id] title	presenter
9:00 AM	[M62] pc report	PIATTELLI, Paolo
9:10 AM	[M23] Conference committee report	VAN ELEWYCK, Veronique
9:20 AM	[M39] news from the IB (new institutions)	MARKOU, Christos

ANTARES - Room 5H (9:30 AM - 11:00 AM)

-Conveners: Thomas Eberl; Fabian Schüssler; Marco Circella; Luigi Antonio Fusco

time	[id] title	presenter
9:30 AM	[M65] ANTARES MC Status	FUSCO, Luigi Antonio
10:15 AM	[M47] Analysis tools status	SCHÜSSLER, Fabian EBERL, Thomas

KM3NeT Technical: DOM integration - Room 4L (9:30 AM - 11:00 AM)

-Conveners: Daniele Vivolo

Break - Room Vetro (11:00 AM - 11:30 AM)

KM3NeT Astrophysics: Multimessenger - Room 5H (11:30 AM - 1:45 PM)

time	[id] title	presenter
11:30 AM	[M2] Introduction	DORNIC, Damien
11:45 AM	[M3] Update SN analysis	COLOMER, marta
12:05 PM	[M4] Online supernova monitoring	LINCETTO, Massimiliano
12:25 PM	[M1] Status ORCA7 HE simulation	CHAU, Nhan
12:40 PM	[M1] Online analysis	HUANG, Feifei
1:00 PM	[M96] Status of sub-TeV neutrino searches	DE WASSEIGE, Gwenhaël
1:20 PM	[M52] Sensitivity of ARCA to transient events like GW170817 and GRB190114C	COLOMER, marta

KM3NeT Technical: Base Module integration - Room 4L (11:30 AM - 12:55 PM)

-Conveners: Isgura Sgura

Lunch: Lunch - Room Vetro (1:00 PM - 2:20 PM)

KM3NET + ANTARES general: DAS studies on MEOC - Aula 00.142 (2:20 PM - 2:50 PM)

KM3NeT DU Data Analysis - Room 5H (2:50 PM - 4:30 PM)

time	[id] title	presenter
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2:50 P	[M028]	Introduction	FUSCO, Luigi Antonio FUSCO, Luigi Antonio FUSCO, Luigi CONIGLIONE, rosa
3:05 P	[M089]	Status of PMT efficiencies for ARCA and ORCA	FERMANI, Paolo
3:20 P	[M092]	Data Quality and first Data/MC comparisons on ORCA4	STAVROPOULOS, Dimitris
3:35 P	[M055]	Updates on ARCA2 / ARCA1 data analysis	SINOPOULOU, Anna
3:55 P	[M098]	Noise studies for ORCA	ALY, Zineb
4:10 P	[M090]	ORCA4 data analysis	PAPALASHVILI, Gogita

KM3NeT Technical: DU integration - Room 4L (2:50 PM - 4:20 PM)

-Conveners: Daan van Eijk

time	[id]	title	presenter
2:50 P	[M056]	DU Production Overview	VAN EIJK, Daan
3:20 P	[M057]	DU Production in Marseille	HENRY, Sylvain
3:30 P	[M058]	DU Production in Catania	SAPIENZA, Piera
3:40 P	[M028]	DU Production in Amsterdam	VAN EIJK, Daan
3:50 P	[M030]	DU Production in Caserta	MIGLIOZZI, Pasquale
4:00 P	[M029]	DU Production in Genova	ANGHINOLFI, Marco

Break - Room Vetro (4:30 PM - 4:55 PM)

KM3NeT Technical: QA/QC - Room 4L (5:05 PM - 6:35 PM)

-Conveners: Giorgos Androulakis

time	[id]	title	presenter
5:05 P	[M003]	QA/QC report	ANDROULAKIS, Giorgos

Conference Committee (closed session) - Room 5H (6:35 PM - 7:25 PM)

Collaboration Dinner (8:00 PM - 11:00 PM)

Thursday, February 13, 2020

Neutrino Oscillations - Room 5H (9:00 AM - 11:00 AM)

time	[id] title	presenter
9:00 AM	[M79] Introduction	BRUNNER, Juergen
9:20 AM	[M97] NSI limits with ANTARES	KHAN CHOWDHURY, Nafis Rezwan
9:40 AM	[M72] ORCA detector performance - new public plot candidates	HOFESTÄDT, Jannik PERRIN-TERRIN, Mathieu
10:00 AM	[M74] NMH sensitivity : ParamNMH - MONA - Swim	MANCZAK, Jerzy PERRIN-TERRIN, Mathieu CHAU, Nhan
10:20 AM	[M80] Status of atmospheric muon mass production	NAUTA, Lodewijk
10:40 AM	[M75] Update on JShower reconstruction	DOMI, Alba

Break - Room Vetro (11:00 AM - 11:30 AM)

Neutrino Oscillations - Room 5H (11:30 AM - 1:00 PM)

time	[id] title	presenter
11:30 AM	[M04] Escalate systematics in Swim	CHAU, Nhan
11:50 AM	[M79] Cross section systematic studies with ORCA	CARRETERO, Victor
12:10 PM	[M77] ORCA 7-line sensitivity for NSI in MONA	MANCZAK, Jerzy
12:30 PM	[M78] Sterile Neutrino Search with ARCA	MIRANDA-PALACIOS, Salvador

Antares Institute Board - Room 4L (1:00 PM - 2:15 PM)

Lunch - Room Vetro (1:00 PM - 2:15 PM)

Analysis Tools: KM3NeT Astronomy - Room 5H (2:15 PM - 3:05 PM)

time	[id] title	presenter
2:15 PM	[M38] Introduction	CONIGLIONE, rosa
2:25 PM	[M33] Simulation of two ARCA building blocks	VAN EEDEN, Thijs
2:40 PM	[M91] Model predictions of Blazars and GRBs for ARCA	KRETER, Michael ZYWUCKA, Natalia

KM3NeT simulations - Room 5H (3:05 PM - 4:55 PM)

time	[id] title	presenter
3:05 PM	[M84] Simulation overview	KULIKOVSKIY, Vladimir
3:20 PM	[M15] New on K40 simulation and PMT efficiency calibration	SCHUMANN, Johannes
3:40 PM	[M86] Water Properties study with atmospheric muons	BENDAHDAN, Meriem
3:55 PM	[M99] Light tables update for KM3	CONIGLIONE, rosa
4:10 PM	[M55] Updates for KM3Sim simulations	MANCZAK, Jerzy

4:20 PM	Coffee break	
4:40 PM	[1002] gSeaGen HE extension	GARCIA SOTO, Alfonso Andres GARCIA SOTO, Alfonso Andres

break - Room Vetro (4:20 PM - 4:40 PM)**KM3NeT physics: cosmic ray physics - Room 5H (4:55 PM - 6:10 PM)**

time	[id] title	presenter
4:55 PM	[1050] Mass production script status	Ó FEARRAIGH, Brían
5:15 PM	[1003] News on CORSIKA	KALACZYNSKI, Piotr WOJACZYŃSKI, Rafał BRUIJN, Ronald BRUIJN, Ronald BRUIJN, Ronald
5:45 PM	[1000] CORSIKA in ESCAPE: opportunities for KM3NeT	BOZZA, Cristiano BOZZA, Cristiano BOZZA, Cristiano

Friday, February 14, 2020

DAQ and software - Room 5H (9:00 AM - 10:30 AM)

time	[id] title	presenter
9:00 AM	[935] DAQ/Readout - introduction	CHIARUSI, Tommaso CHIARUSI, Tommaso
9:20 AM	[953] Use of the OctoPAES board at the BCI	FILIPPINI, Francesco
9:40 AM	[954] DAQ test-bench and activities in Granada	DÍAZ, Antonio
9:55 AM	[914] KM3-DIA status	LEVI, Giuseppe
10:10 AM	[904] Control Unit advancements - DB Status	BOZZA, Cristiano

KM3NeT physics - public plots - Room 5H (10:30 AM - 10:40 AM)

- Presenter: COYLE, Paschal Anthony

Break - Room Vetro (10:40 AM - 11:00 AM)

DAQ and software - Room 5H (11:00 AM - 1:00 PM)

time	[id] title	presenter
11:00 AM	[912] Comp&Soft Overview	GRAF, Kay
11:20 AM	[903] JRunAnalyser	G. RUIZ, Rodrigo
11:40 AM	[905] km3pipe - status	GAL, Tamas
11:55 AM	[904] km3io	GAL, Tamas ALY, Zineb
12:15 PM	[906] Software Environment via Modules System	GAL, Tamas
12:35 PM	[903] KM3NeT Tier2 computing at TSU	SHANIDZE, Revaz

final words - Room 5H (1:00 PM - 1:20 PM)

- Presenter: TAIUTI, Mauro

Lunch - Room Vetro (1:20 PM - 2:45 PM)