

Dark Ghosts 2018

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Brussels, 13-14 November 2018



2nd GNN Workshop on Indirect Dark Matter Searches with Neutrino Telescopes

Report of Contributions

Contribution ID: 0

Type: **not specified**

Dark Matter searches with IceCube

Tuesday, 13 November 2018 09:15 (25 minutes)

Presenter: DE LOS HEROS, Carlos (Uppsala University)

Session Classification: Indirect Searches of Dark Matter with Neutrinos

Contribution ID: 1

Type: **not specified**

Dark Matter searches with ANTARES

Tuesday, 13 November 2018 09:40 (25 minutes)

Presenter: GOZZINI, Rebecca (IFIC)

Session Classification: Indirect Searches of Dark Matter with Neutrinos

Contribution ID: 2

Type: **not specified**

Dark Matter searches with Baikal

Tuesday, 13 November 2018 10:05 (25 minutes)

Presenter: Dr SUVOROVA, Olga (INR RAN)

Session Classification: Indirect Searches of Dark Matter with Neutrinos

Contribution ID: 3

Type: **not specified**

Neutrino lines induced by DM: a model-building perspectives

Tuesday, 13 November 2018 11:00 (25 minutes)

Presenter: Mr HAMBYE, THomas (Univversity L. of Brussels)

Session Classification: Dark Matter Phenomenology

Contribution ID: 4

Type: **not specified**

Constraining Leptophilic Dark Matter Models with Neutrino Telescopes

Tuesday, 13 November 2018 11:50 (25 minutes)

Presenter: GARANI, Raghuveer (ULB)

Session Classification: Dark Matter Phenomenology

Contribution ID: 5

Type: **not specified**

- Dark matter indirect detection with neutrinos

Presenter: Dr NIRO, Viviana (ITP Heidelberg)

Contribution ID: 6

Type: **not specified**

Dark Matter Searches at Super-Kamiokande

Tuesday, 13 November 2018 13:30 (25 minutes)

Presenter: Mr MIJAKOWSKI, Piotr (National Centre For Nuclear Research)

Session Classification: Indirect Searches of Dark Matter with Neutrinos

Contribution ID: 7

Type: **not specified**

Impact of astrophysical and particle physics uncertainties in DM

Tuesday, 13 November 2018 15:15 (25 minutes)

Presenter: IBARRA, Alejandro (TUM)

Session Classification: Dark Matter Phenomenology

Contribution ID: 8

Type: **not specified**

The low-energy excess at ANTARES and IceCube Neutrino Telescopes: a potential Dark Matter signature

Tuesday, 13 November 2018 14:20 (25 minutes)

Presenter: Dr CHIANESE, Marco (Grappa, University of Amstredam)

Session Classification: Indirect Searches of Dark Matter with Neutrinos

Contribution ID: 9

Type: **not specified**

Modeling dark matter substructure and annihilation boost for indirect searches

Tuesday, 13 November 2018 15:40 (25 minutes)

Presenter: Dr ANDO, Shin'ichiro (GRAPPA, University of Amsterdam)

Session Classification: Dark Matter Phenomenology

Contribution ID: **10**

Type: **not specified**

Beyond WIMPs at neutrino experiments: Heavy and Light Dark Matter

Tuesday, 13 November 2018 11:25 (25 minutes)

Presenter: SALA, Filippo (DESY, Hamburg)

Session Classification: Dark Matter Phenomenology

Contribution ID: 11

Type: **not specified**

Heavy Dark Matter and HESE

Tuesday, 13 November 2018 13:55 (25 minutes)

Presenter: Dr PALOMARES-RUIZ, Sergio (IFIC)

Session Classification: Indirect Searches of Dark Matter with Neutrinos

Contribution ID: 12

Type: **not specified**

Heavy SUSY in the sky

Tuesday, 13 November 2018 16:05 (25 minutes)

Presenter: COVI, Laura (Institute for theoretical physics - Goettingen University)

Session Classification: Dark Matter Phenomenology

Contribution ID: 13

Type: **not specified**

Experiments on satellites: status and future perspectives in connection with Neutrinos experiments

Wednesday, 14 November 2018 09:00 (25 minutes)

Presenter: Dr MORSELLI, Aldo (INFN Roma Tor Vergata)

Session Classification: Experimental Results on Dark Matter

Contribution ID: 14

Type: **not specified**

TeV dark matter searches with gamma-ray telescopes from the ground

Wednesday, 14 November 2018 09:25 (25 minutes)

Presenter: DORO, Michele (University and INFN Padova)

Session Classification: Experimental Results on Dark Matter

Contribution ID: 15

Type: **not specified**

Dark matter searches at the LHC

Wednesday, 14 November 2018 14:45 (25 minutes)

Presenter: LOWETTE, Steven (VUB)

Session Classification: Dark Matter at Colliders

Contribution ID: 16

Type: **not specified**

CLUMPY: A public code for neutrino fluxes from dark matter structures at all scales

Wednesday, 14 November 2018 13:30 (25 minutes)

Presenter: HÜTTEN, Moritz (Max Planck Institute for Physics Munich)

Session Classification: Combined Analyses and Tools

Contribution ID: 17

Type: **not specified**

High energy neutrinos from the Sun

Wednesday, 14 November 2018 11:10 (25 minutes)

Presenter: Dr MASIP, Manuel (University of Granada)

Session Classification: Neutrino Analyses and Their Backgrounds

Contribution ID: 18

Type: **not specified**

Solar atmospheric neutrinos

Wednesday, 14 November 2018 11:35 (25 minutes)

Presenter: ROTT, Carsten (Sungkyunkwan University)

Session Classification: Neutrino Analyses and Their Backgrounds

Contribution ID: 19

Type: **not specified**

Secluded Dark Matter in IceCube

Wednesday, 14 November 2018 12:00 (25 minutes)

Presenter: Dr TÖNNIS, Christoph (Sungkyunkwan University)

Session Classification: Neutrino Analyses and Their Backgrounds

Contribution ID: 20

Type: **not specified**

ANTARES and IceCube combined analysis

Wednesday, 14 November 2018 13:55 (25 minutes)

Presenter: Ms IOVINE, Nadège (iihe)

Session Classification: Combined Analyses and Tools

Contribution ID: 21

Type: **not specified**

Halo Independent constraints on spin-dependent DM-Nucleon interactions from IceCube and PICO

Wednesday, 14 November 2018 09:50 (25 minutes)

Presenter: Dr RAMEEZ, Mohamed (Niels Bohr Institute)

Session Classification: Experimental Results on Dark Matter

Contribution ID: 22

Type: **not specified**

GAMBIT, nulike and future combinations

Wednesday, 14 November 2018 14:20 (25 minutes)

Presenter: SCOTT, Pat (Imperial College London)

Session Classification: Combined Analyses and Tools

Contribution ID: 23

Type: **not specified**

Discussion

Contribution ID: 24

Type: **not specified**

Astrophysical uncertainties on Dark Matter Capture by the Sun and the connection with cosmological Simulations

Tuesday, 13 November 2018 16:30 (25 minutes)

Presenter: Mr NUNEZ, Arturo (CPPM-LAM)

Session Classification: Dark Matter Phenomenology

Contribution ID: 25

Type: **not specified**

KM3NeT in the Global Science Context

Wednesday, 14 November 2018 15:10 (20 minutes)

Presenter: Dr ZORNOZA, Juande (IFIC (Univ. of Valencia - CSIC))

Session Classification: H2020-InfraDev KM3NeT 2.0: Scientist Exchange Program