

Astroparticle Physics PhD Defenses



Report of Contributions

Contribution ID: 1

Type: **not specified**

Low-mass dark matter and neutrino-less double beta decay searches with the DarkSide technology

Thursday, 19 December 2019 14:30 (1 hour)

Presenter: BOSSA, Maria (GSSI)

Contribution ID: 2

Type: **not specified**

Discussion

Thursday, 19 December 2019 15:30 (1 hour)

Defense Committee:

Ivan De Mitri (GSSI-L'Aquila), Natalia Di Marco (GSSI-L'Aquila), Fernando Ferroni (GSSI-L'Aquila), Marco Selvi (INFN-Bologna), Piero Ullio (SISSA-Trieste)

Substitutes: Roberto Aloisio (GSSI-L'Aquila), Elisabetta Baracchini (GSSI-L'Aquila), Flavio Cavanna (Fermilab-Yale Univ.-Univ. dell'Aquila), Marcello Messina (INFN LNGS), Matteo Viel (SISSA-Trieste)

External Reviewers:

Flavio Cavanna (Fermilab-Yale Univ.-Univ. dell'Aquila), Francesco Ragusa (Univ. di Milano), Marco Selvi (INFN-Bologna)

Advisor: Cristiano Galbiati (GSSI-L'Aquila, Princeton Univ.)

Contribution ID: 3

Type: **not specified**

Squeezed states of light generation for shot noise limited interferometric measurements in the next generation of gravitational waves detectors

Presenter: KHAN, Imran (GSSI)

Contribution ID: 4

Type: **not specified**

Discussion

Defense Committee:

Ivan De Mitri (GSSI-L'Aquila), Andrea De Simone (SISSA-Trieste), Fernando Ferroni (GSSI-L'Aquila), Francesco Fidecaro (Univ. Pisa), Francesco Vissani (GSSI-L'Aquila)

Substitutes: Elisabetta Baracchini (GSSI-L'Aquila), Pasquale Blasi (GSSI-L'Aquila), Giulia Pagliaroli (GSSI-L'Aquila)

External Reviewers:

Matteo Barsuglia (Université Paris Diderot - APC, France), Gianluca Gemme (INFN Genova), Fulvio Ricci (Università di Roma "La Sapienza")

Advisor: Viviana Fafone (Università di Roma "Tor Vergata")

Contribution ID: 5

Type: **not specified**

First simultaneous measurement of low-energy pp-chain solar neutrinos and prospects for CNO neutrino detection in Borexino

Presenter: GUFFANTI, Daniele (GSSI)

Contribution ID: 6

Type: **not specified**

Discussion

Defense Committee:

Ivan De Mitri (GSSI-L'Aquila), Andrea De Simone (SISSA-Trieste), Fernando Ferroni (GSSI-L'Aquila),
Francesco Fidecaro (Univ. Pisa), Francesco Vissani (GSSI-L'Aquila)

Substitutes: Elisabetta Baracchini (GSSI-L'Aquila), Pasquale Blasi (GSSI-L'Aquila), Giulia Pagliaroli
(GSSI-L'Aquila)

External Reviewers:

Carlos Peña Garay (Canfranc Laboratory, Spain),
Riccardo Brugnera (Università di Padova)

Advisors: Matteo Agostini (Technical University Munchen, Germany), Nicola Rossi (INFN LNGS)