

Astroparticle Physics PhD Defenses



Report of Contributions

Contribution ID: 1

Type: **not specified**

Development of new approaches for optical aberrations control in gravitational wave interferometers

Friday, 26 July 2019 14:00 (1 hour)

Presenter: AIELLO, Lorenzo (GSSI)

Contribution ID: 2

Type: **not specified**

Discussion

Friday, 26 July 2019 15:00 (1 hour)

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:

Giampietro Cagnoli (ILM Lyon - France), Francesco Fidecaro (Università di Pisa), Ettore Majorana
(INFN Rome)

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

Co-advisor: Alessio Rocchi (INFN Roma Tor Vergata)

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

Friday, 26 July 2019 11:00 (1 hour)

Presenter: KHAN, Imran (GSSI)

Contribution ID: 4

Type: **not specified**

Discussion

Friday, 26 July 2019 12:00 (1 hour)

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

Friday, 26 July 2019 09:00 (1 hour)

Presenter: GUFFANTI, Daniele (GSSI)

Contribution ID: 6

Type: **not specified**

Discussion

Friday, 26 July 2019 10:00 (1 hour)

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)