

Astroparticle Physics PhD Defenses (Session 2)



Report of Contributions

Contribution ID: 1

Type: **not specified**

Starburst galaxies as sources of high energy particles

Wednesday, 22 July 2020 14:30 (1 hour)

Presenter: PERETTI, Enrico (GSSI)

Contribution ID: 2

Type: **not specified**

Discussion

Wednesday, 22 July 2020 15:30 (1 hour)

Defense Committee:

Antonio Masiero (Università di Padova), Chair

Francesco Vissani (GSSI - L'Aquila)

Fulvia De Fazio (INFN - Bari)

Fiorenza Donato (Università di Torino)

Massimo Persic (INAF - Trieste)

Substitutes: Roberto Aloisio (GSSI - L'Aquila), Carmelo Evoli (GSSI - L'Aquila)

External Reviewers:

Roland Crocker (Australian National University)

Massimo Persic (INAF - Trieste)

Andrew Taylor (DESY, Zeuthen, Germany)

Advisor: Pasquale Blasi (GSSI - L'Aquila)

Co-advisor: Giovanni Morlino (INAF - Arcetri)

Contribution ID: 3

Type: **not specified**

Flavour Problems and New Physics at TeV Scale

Wednesday, 22 July 2020 16:30 (1 hour)

Presenter: BELFATTO, Benedetta (GSSI)

Contribution ID: 4

Type: **not specified**

Discussion

Wednesday, 22 July 2020 17:30 (1 hour)

Defense Committee:

Antonio Masiero (Università di Padova), Chair

Francesco Vissani (GSSI - L'Aquila)

Fulvia De Fazio (INFN - Bari)

Fiorenza Donato (Università di Torino)

Massimo Persic (INAF - Trieste)

Substitutes: Roberto Aloisio (GSSI - L'Aquila), Carmelo Evoli (GSSI - L'Aquila)

External Reviewers:

Antonio Masiero (Università di Padova)

Fulvia De Fazio (INFN - Bari)

Archil Kobakhidze (University of Sydney, Australia)

Advisor: Zurab Berezhiani (Università dell'Aquila)

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)

Contribution ID: 7

Type: **not specified**

Theoretical calculation of nuclear reactions of interest for Big Bang Nucleosynthesis

Presenter: GNECH, Alex (GSSI)

Contribution ID: 8

Type: **not specified**

Discussion

Defense Committee:

Ivan De Mitri (GSSI-L'Aquila), Chair

Giulia Pagliaroli (GSSI-L'Aquila)

Sergio Petrerá (GSSI-L'Aquila)

Massimo Mannarelli (INFN-LNGS)

Sergio Cristallo (INAF - Osservatorio d'Abruzzo)

Substitutes: Pasquale Blasi (GSSI-L'Aquila), Marica Branchesi (GSSI-L'Aquila)

External Reviewers:

Sonia Bacca (Gutenberg Universitat, Mainz, Germany)

Christian Forssén (Chalmers University of Technology, Gothenburg, Sweden)

Nunzio Itaco (Università della Campania "L. Vanvitelli", Caserta)

Advisor: Laura Marcucci (Università di Pisa)

Co-advisor: Michele Viviani (INFN Pisa)

Contribution ID: 9

Type: **not specified**

Open problems in neutrino astrophysics

Presenter: MASCARETTI, Carlo (GSSI)

Contribution ID: **10**

Type: **not specified**

Discussion

Defense Committee:

Ivan De Mitri (GSSI-L'Aquila), Chair

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Substitutes: Pasquale Blasi (GSSI-L'Aquila), Marica Branchesi (GSSI-L'Aquila)

External Reviewers:

Markus Ahlers (Niels Bohr Institute, Copenhagen, Denmark)

Paolo Lipari (INFN Roma)

Maurizio Spurio (Università di Bologna)

Advisor: Francesco Vissani (GSSI-L'Aquila)