

GRAND meeting 2025



Report of Contributions

Contribution ID: 1

Type: **not specified**

CR studies with GP300

Monday 2 June 2025 14:50 (22 minutes)

Presenter: PRÉVOTAT, Clément (clement.prevotat@iap.fr)

Session Classification: Science

Contribution ID: 2

Type: **not specified**

Observational strategies for UHE neutrinos

Monday 2 June 2025 15:12 (22 minutes)

Presenter: KOTERA, Kumiko (Institut d'astrophysique de Paris)

Session Classification: Science

Contribution ID: 3

Type: **not specified**

GW-triggered searches with GRAND

Monday 2 June 2025 15:34 (22 minutes)

Presenter: MUKHOPADHYAY, Mainak (Pennsylvania State University)

Session Classification: Science

Contribution ID: 4

Type: **not specified**

New Hadronic interaction Models

Monday 2 June 2025 16:30 (22 minutes)

Presenter: PIEROG, Tanguy (KIT, IAP)

Session Classification: Science + Discussion

Contribution ID: 5

Type: **not specified**

Exposure calculation for GP300

Tuesday 3 June 2025 09:00 (22 minutes)

Presenter: KATO, Sei (Institut d'Astrophysique de Paris)

Session Classification: Analysis

Contribution ID: 6

Type: **not specified**

CR search with GP300

Tuesday 3 June 2025 09:22 (22 minutes)

Presenter: LAVOISIER, Jolan (CNRS - Institut d'Astrophysique de Paris)

Session Classification: Analysis

Contribution ID: 7

Type: **not specified**

GP80 Event Candidates and Exposure Predictions for GP300 and GRAND10k

Tuesday 3 June 2025 09:44 (22 minutes)

Presenter: GÜLZOW, Lukas

Session Classification: Analysis

Contribution ID: 8

Type: **not specified**

Reconstruction of GP80 CR candidates with ADF

Tuesday 3 June 2025 10:06 (22 minutes)

Presenter: GUELFAND, Marion (LPNHE / IAP)

Session Classification: Analysis

Contribution ID: 9

Type: **not specified**

E-field reconstruction with SBI

Tuesday 3 June 2025 16:37 (22 minutes)

Presenter: MACIAS, Oscar (San Francisco State University)

Session Classification: Machine Learning

Contribution ID: **10**

Type: **not specified**

E-field reconstruction pipeline with polarization

Tuesday 3 June 2025 10:28 (22 minutes)

Presenter: COLLEY, Jean-Marc (CNRS/LPNHE France)

Session Classification: Analysis

Contribution ID: 11

Type: **not specified**

Plug and Play denoiser for deconvolving GRAND Electric field traces

Tuesday 3 June 2025 17:21 (22 minutes)

Presenter: EL BOUCH, Sara

Session Classification: Machine Learning

Contribution ID: 12

Type: **not specified**

Revisiting the Radio LDF: a strong electric field amplitude dependence on $X_{\max}$

Tuesday 3 June 2025 11:42 (22 minutes)

Presenter: CARVALHO, Washington (Faculty of Physics, University of Warsaw)

Session Classification: Analysis

Contribution ID: 13

Type: **not specified**

GNN recons of GP300 events

Tuesday 3 June 2025 16:15 (22 minutes)

Presenter: FERRIÈRE, Arsène (CEA-LIST, LPNHE)

Session Classification: Machine Learning

Contribution ID: 14

Type: **not specified**

Event-by-event primary composition discrimination method using supervised machine learning

Tuesday 3 June 2025 12:04 (22 minutes)

Presenter: CARVALHO, Washington (Faculty of Physics, University of Warsaw)

Session Classification: Analysis

Contribution ID: 15

Type: **not specified**

general organisation (incl. environment, outreach)

Wednesday 4 June 2025 09:00 (30 minutes)

Presenter: KOTERA, Kumiko (Institut d'astrophysique de Paris)

Session Classification: Collaboration Life

Contribution ID: **16**

Type: **not specified**

Membership

Wednesday 4 June 2025 09:30 (15 minutes)

Presenter: PIOTROWSKI, Lech

Session Classification: Collaboration Life

Contribution ID: 17

Type: **not specified**

Conference

Wednesday 4 June 2025 09:45 (10 minutes)

Presenter: HE, Haoning

Session Classification: Collaboration Life

Contribution ID: **18**

Type: **not specified**

Early career scientists

Wednesday 4 June 2025 09:55 (15 minutes)

Session Classification: Collaboration Life

Contribution ID: **19**

Type: **not specified**

Finance

Wednesday 4 June 2025 10:25 (15 minutes)

Presenters: PING, Xiang; MARTINEAU, Olivier (LPNHE); KOTERA, Kumiko (Institut d'astrophysique de Paris)

Session Classification: Collaboration Life

Contribution ID: **20**

Type: **not specified**

Membership fees

Wednesday 4 June 2025 10:40 (10 minutes)

Presenter: MARTINEAU, Olivier (LPNHE)

Session Classification: Collaboration Life

Contribution ID: **21**

Type: **not specified**

Education & Outreach

Wednesday 4 June 2025 10:10 (15 minutes)

Session Classification: Collaboration Life

Contribution ID: 22

Type: **not specified**

R&D developments for next phase of GRAND

Tuesday 3 June 2025 14:00 (15 minutes)

Presenter: ZHANG, Pengfei

Session Classification: Future R&D

Contribution ID: 23

Type: **not specified**

R&D for next-generation radio array by the Nijmegen group

Presenters: TIMMERMANS, Charles; CUCU LAURENCIU, Nicoleta

Session Classification: Future R&D

Contribution ID: 24

Type: **not specified**

Status of GRAND-BEACON (HERON)

Tuesday 3 June 2025 14:15 (15 minutes)

Presenter: ALVAREZ-MUNIZ, Jaime (IGFAE, Univ. Santiago de Compostela)

Session Classification: Future R&D

Contribution ID: 25

Type: **not specified**

Site-survey and situation in Argentina for GRAND-BEACON (HERON)

Tuesday 3 June 2025 14:30 (15 minutes)

Presenters: ALLEKOTTE, Ingo (CNEA); SANCHEZ, Federico (ITeDA (CNEA, CONICET, UNSAM))

Session Classification: Future R&D

Contribution ID: 26

Type: **not specified**

Sims for GRAND-BEACON (HERON)

Tuesday 3 June 2025 14:45 (15 minutes)

Presenter: ZEOLLA, Andrew (Pennsylvania State University)

Session Classification: Future R&D

Contribution ID: 27

Type: **not specified**

Interferometry with GRAND-Beacon

Tuesday 3 June 2025 15:00 (15 minutes)

Presenter: DECOENE, Valentin (Subatech / Nantes Université)

Session Classification: Future R&D

Contribution ID: **28**

Type: **not specified**

Discussion

Tuesday 3 June 2025 15:15 (30 minutes)

Session Classification: Future R&D

Contribution ID: 29

Type: **not specified**

Analytical computation of the Cherenkov cone

Tuesday 3 June 2025 11:20 (22 minutes)

Presenter: DECOENE, Valentin (Subatech / Nantes Université)

Session Classification: Analysis

Contribution ID: **30**

Type: **not specified**

Overview of the technique Status of GP65 and the Plan for GP300

Monday 2 June 2025 14:25 (25 minutes)

Presenter: ZHANG, Pengfei (Xidian University)

Session Classification: Status GP300

Contribution ID: **31**

Type: **not specified**

Discussion

Monday 2 June 2025 16:57 (30 minutes)

Session Classification: Science + Discussion

Contribution ID: **32**

Type: **not specified**

Status GP300

Monday 2 June 2025 14:00 (25 minutes)

Presenter: ZHANG, Yi (Purple mountain observatory)

Session Classification: Status GP300

Contribution ID: 33

Type: **not specified**

ADC trace denoising

Tuesday 3 June 2025 16:59 (22 minutes)

Presenter: BENOIT-LÉVY, Aurélien (CEA-List)

Session Classification: Machine Learning

Contribution ID: **34**

Type: **not specified**

The GRAND software status

Thursday 5 June 2025 09:00 (20 minutes)

Presenter: PIOTROWSKI, Lech

Session Classification: Tutorial: GRANDlib & how to use GRAND data & sims

Contribution ID: 35

Type: **not specified**

Hands-on: How use GRANDlib and GRAND data

Thursday 5 June 2025 09:20 (1 hour)

Presenter: PIOTROWSKI, Lech

Session Classification: Tutorial: GRANDlib & how to use GRAND data & sims

Contribution ID: 36

Type: **not specified**

Updates to the antenna model, RF chain and Galactic noise

Thursday 5 June 2025 10:20 (20 minutes)

Presenters: VITTAKIS, George; NONIS, Stavros (Hellenic Open University)

Session Classification: Tutorial: GRANDlib & how to use GRAND data & sims

Contribution ID: 37

Type: **not specified**

The status of DC2

Thursday 5 June 2025 11:30 (20 minutes)

Presenter: TUEROS, Matias (Instituto de Fisica La Plata, Argentina)

Session Classification: Simulations

Contribution ID: **38**

Type: **not specified**

Round-table about simulation requests

Thursday 5 June 2025 11:50 (40 minutes)

Presenter: TUEROS, Matias (Instituto de Fisica La Plata, Argentina)

Session Classification: Simulations

Contribution ID: 39

Type: **not specified**

The status of data management

Friday 6 June 2025 09:00 (20 minutes)

Presenter: LEGRAND, Francois (LPNHE/CNRS FRANCE)

Session Classification: Offline Software + Data Management

Contribution ID: **40**

Type: **not specified**

DAQ Design/Update/Testing

Wednesday 4 June 2025 14:00 (15 minutes)

Presenter: DUAN, Bohao

Session Classification: Operation and trigger

Contribution ID: 41

Type: **not specified**

GP300 Data Quality Study

Wednesday 4 June 2025 14:15 (10 minutes)

Presenter: LEBAS, Nathan

Session Classification: Operation and trigger

Contribution ID: 42

Type: **not specified**

FEB Board Design Update/Testing

Wednesday 4 June 2025 14:25 (15 minutes)

Presenter: XU, Xing (Purple Mountain Observatory, CAS)

Session Classification: Operation and trigger

Contribution ID: 43

Type: **not specified**

Intro on trigger

Wednesday 4 June 2025 14:40 (5 minutes)

Presenter: MARTINEAU, Olivier (LPNHE)

Session Classification: Operation and trigger

Contribution ID: 44

Type: **not specified**

GP80 Trigger Efficiency Study

Wednesday 4 June 2025 14:45 (15 minutes)

Presenter: GUELFAND, Marion (LPNHE / IAP)

Session Classification: Operation and trigger

Contribution ID: 45

Type: **not specified**

Trigger Optimization Based on Filters and Parameter Selection

Wednesday 4 June 2025 15:00 (15 minutes)

Presenter: WANG, Hanrui

Session Classification: Operation and trigger

Contribution ID: 46

Type: **not specified**

Trigger Studies using GP300 data

Wednesday 4 June 2025 15:15 (15 minutes)

Presenter: VITTAKIS, George

Session Classification: Operation and trigger

Contribution ID: 47

Type: **not specified**

Results of the First-Level Trigger Study with NUTRIG

Wednesday 4 June 2025 15:30 (15 minutes)

Presenter: CORREA, Pablo (LPNHE, CNRS/IN2P3)

Session Classification: Operation and trigger

Contribution ID: 48

Type: **not specified**

Results of the Second-Level Trigger Study with NUTRIG

Wednesday 4 June 2025 15:45 (15 minutes)

Presenter: JELENA, Köhler (KIT)

Session Classification: Operation and trigger

Contribution ID: 49

Type: **not specified**

GPS Performance with the GRANDProto FEB

Thursday 5 June 2025 16:30 (15 minutes)

Presenter: VOISIN, Vincent

Session Classification: Calibration

Contribution ID: 50

Type: **not specified**

GPS Time Calibration

Thursday 5 June 2025 16:45 (15 minutes)

Presenter: ZHANG, Pengfei

Session Classification: Calibration

Contribution ID: 51

Type: **not specified**

Antenna and RF Chain Response Simulation: Update, Optimization, and Calibration Based on Galactic Background

Thursday 5 June 2025 17:00 (15 minutes)

Presenter: XU, Xing (Purple Mountain Observatory, CAS)

Session Classification: Calibration

Contribution ID: 52

Type: **not specified**

Calibration Studies using GP300 data

Thursday 5 June 2025 17:15 (15 minutes)

Presenter: LEISOS, Antonios (Hellenic Open University)

Session Classification: Calibration

Contribution ID: 53

Type: **not specified**

Discussion

Friday 6 June 2025 09:20 (20 minutes)

Session Classification: Offline Software + Data Management

Contribution ID: 54

Type: **not specified**

Gamma-ray detection with GP300

Monday 2 June 2025 16:52 (5 minutes)

Presenter: MINODIER, Paul

Session Classification: Science + Discussion