

JUNO EU+AM Meeting



Report of Contributions

Contribution ID: 1

Type: **not specified**

Country Report Americas

Wednesday 8 October 2025 09:45 (10 minutes)

Presenter: OCHOA-RICOUX, Pedro (University of California, Irvine)

Session Classification: Country and Status Reports

Contribution ID: 2

Type: **not specified**

Country Report Armenia

Wednesday 8 October 2025 09:55 (10 minutes)

Presenter: IOANNISIAN, Ara

Session Classification: Country and Status Reports

Contribution ID: 3

Type: **not specified**

Country Report Czech Republic

Wednesday 8 October 2025 10:15 (10 minutes)

Presenter: VOROBEL, Vit

Session Classification: Country and Status Reports

Contribution ID: 4

Type: **not specified**

Country Report Finland

Wednesday 8 October 2025 10:25 (10 minutes)

Presenter: LOO, Kai (University of Jyvaskyla, Finland)

Session Classification: Country and Status Reports

Contribution ID: 5

Type: **not specified**

Country Report France

Wednesday 8 October 2025 10:35 (10 minutes)

Presenter: JOLLET, Cécile

Session Classification: Country and Status Reports

Contribution ID: 6

Type: **not specified**

Country Report Germany

Wednesday 8 October 2025 10:45 (10 minutes)

Presenter: LACHENMAIER, Tobias (Universität Tübingen)

Session Classification: Country and Status Reports

Contribution ID: 7

Type: **not specified**

Country Report Italy

Wednesday 8 October 2025 10:55 (10 minutes)

Presenter: RANUCCI, Gioacchino (INFN Milano)

Session Classification: Country and Status Reports

Contribution ID: 8

Type: **not specified**

Country Report MSU & INR

Wednesday 8 October 2025 11:05 (10 minutes)

Session Classification: Country and Status Reports

Contribution ID: 9

Type: **not specified**

Country Report Slovakia

Wednesday 8 October 2025 11:25 (10 minutes)

Presenter: ŠIMKOVIC, Fedor

Session Classification: Country and Status Reports

Contribution ID: **10**

Type: **not specified**

Country Report UK

Wednesday 8 October 2025 11:35 (10 minutes)

Presenter: LU, Xianguo (University of Warwick)

Session Classification: Country and Status Reports

Contribution ID: **11**

Type: **not specified**

Country Report JINR

Wednesday 8 October 2025 11:15 (10 minutes)

Presenter: GONCHAR, Maxim (JINR)

Session Classification: Country and Status Reports

Contribution ID: 12

Type: **not specified**

JUNO DCI and computing resources status

Wednesday 8 October 2025 13:30 (20 minutes)

Presenter: ANDRONICO, Giuseppe (INFN Sez. CT)

Session Classification: Country and Status Reports

Contribution ID: 13

Type: **not specified**

Country Report Belgium

Wednesday 8 October 2025 10:05 (10 minutes)

Presenter: CLERBAUX, Barbara (UNIVERSITE LIBRE DE BRUXELLES)

Session Classification: Country and Status Reports

Contribution ID: **14**

Type: **not specified**

ESSnuSB+

Tuesday 7 October 2025 11:00 (1 hour)

Presenter: TOLBA, Tamer Abdelmaksoud Mohamed (UNI/EXP (Uni Hamburg, Institut für Experimentalphysik))

Session Classification: German DFG Research Unit Retreat Lecture

Contribution ID: 15

Type: **not specified**

Weclome

Tuesday 7 October 2025 09:00 (5 minutes)

Presenters: HAGNER, Caren (UNI/EXP (Uni Hamburg, Institut fur Experimentalphysik)); BICK, Daniel (UNI/EXP (Uni Hamburg, Institut fur Experimentalphysik))

Session Classification: German DFG Research Unit Retreat

Contribution ID: 16

Type: **not specified**

Status of the German JUNO DFG research unit

Tuesday 7 October 2025 09:05 (20 minutes)

Presenter: LACHENMAIER, Tobias (Universität Tübingen)

Session Classification: German DFG Research Unit Retreat

Contribution ID: 17

Type: **not specified**

Status of OSIRIS

Friday 10 October 2025 09:50 (15 minutes)

Presenter: WURM, Michael (Universität Mainz)

Session Classification: Other updates and analyses

Contribution ID: **18**

Type: **not specified**

Welcome

Wednesday 8 October 2025 09:30 (15 minutes)

Presenters: HAGNER, Caren (UNI/EXP (Uni Hamburg, Institut fur Experimentalphysik)); BICK, Daniel (UNI/EXP (Uni Hamburg, Institut fur Experimentalphysik))

Session Classification: Country and Status Reports

Contribution ID: **19**

Type: **not specified**

Status of the SPMTs

Friday 10 October 2025 09:30 (20 minutes)

Presenter: BUCHHOLZ, Jonas

Session Classification: Other updates and analyses

Contribution ID: 20

Type: **not specified**

TT: End of installation & remaining electronics work

Friday 10 October 2025 09:00 (10 minutes)

Presenter: WURTZ, Jacques (IPHC-IN2P3)

Session Classification: Other updates and analyses

Contribution ID: **21**

Type: **not specified**

TT DAQ & planned evolution

Friday 10 October 2025 09:10 (10 minutes)

Presenter: KROBALEV, Denis

Session Classification: Other updates and analyses

Contribution ID: 22

Type: **not specified**

Top Tracker Status

Friday 10 October 2025 09:20 (10 minutes)

Presenter: ATHAYDE MARCONDES DE ANDRÉ, João Pedro (IPHC/CNRS/IN2P3)

Session Classification: Other updates and analyses

Contribution ID: 23

Type: **not specified**

Fit and statistical machinery

Wednesday 8 October 2025 16:30 (15 minutes)

Presenters: SERAFINI, Andrea (University of Padova & INFN); KUMARAN, Sindhujha (UCI)

Session Classification: First JUNO analysis

Contribution ID: 24

Type: **not specified**

Muon tagging + IBD selection + data-driven backgrounds

Wednesday 8 October 2025 16:15 (15 minutes)

Presenters: MORALES, Cristobal; CERRONE, Vanessa

Session Classification: First JUNO analysis

Contribution ID: 25

Type: **not specified**

Backgrounds predicted analytically/using MC

Wednesday 8 October 2025 16:00 (15 minutes)

Presenters: RIFAI, Mariam; CHEN, Ze

Session Classification: First JUNO analysis

Contribution ID: 26

Type: **not specified**

Muon tagging using TT

Wednesday 8 October 2025 15:45 (15 minutes)

Session Classification: First JUNO analysis

Contribution ID: 27

Type: **not specified**

Reconstruction

Wednesday 8 October 2025 15:00 (15 minutes)

Presenters: PELICCI, Luca; BIRKENFELD, Thilo

Session Classification: First JUNO analysis

Contribution ID: 28

Type: **not specified**

Detector response and calibration

Wednesday 8 October 2025 14:45 (15 minutes)

Presenters: BASILICO, Davide; MALABARBA, Marco

Session Classification: First JUNO analysis

Contribution ID: 29

Type: **not specified**

Unoscillated spectrum prediction

Wednesday 8 October 2025 14:30 (15 minutes)

Presenter: BORGHESI, Matteo

Session Classification: First JUNO analysis

Contribution ID: **30**

Type: **not specified**

Status of the OSIRIS MC Simulation

Tuesday 7 October 2025 16:00 (15 minutes)

Presenter: BIEGER, Lukas (Universität Tübingen)

Session Classification: German DFG Research Unit Retreat

Contribution ID: 31

Type: **not specified**

Muon Reconstruction in the JUNO pre-Detector OSIRIS

Tuesday 7 October 2025 16:40 (15 minutes)

Presenter: BÜCHNER, Marcel (JGU Mainz)

Session Classification: German DFG Research Unit Retreat

Contribution ID: 32

Type: **not specified**

Event Reconstruction in OSIRIS and JUNO

Tuesday 7 October 2025 16:20 (15 minutes)

Presenter: NEUERBURG, Elisabeth (RWTH Aachen)

Session Classification: German DFG Research Unit Retreat

Contribution ID: 33

Type: **not specified**

Alpha beta discrimination in OSIRIS

Tuesday 7 October 2025 17:00 (15 minutes)

Presenter: KANDELN, Martin (RWTH Aachen)

Session Classification: German DFG Research Unit Retreat

Contribution ID: 34

Type: **not specified**

Overview of ongoing efforts at GSI group

Tuesday 7 October 2025 13:30 (20 minutes)

Presenter: WIRTH, Rosmarie

Session Classification: German DFG Research Unit Retreat

Contribution ID: 35

Type: **not specified**

OMILREC nPE map cross check

Tuesday 7 October 2025 09:50 (15 minutes)

Presenter: BIRKENFELD, Thilo (RWTH Aachen)

Session Classification: German DFG Research Unit Retreat

Contribution ID: **36**

Type: **not specified**

The AURORA laser calibration system

Tuesday 7 October 2025 09:30 (15 minutes)

Presenter: BÜCHNER, Marcel (JGU Mainz)

Session Classification: German DFG Research Unit Retreat

Contribution ID: 37

Type: **not specified**

OSIRIS DAQ and single event fits

Tuesday 7 October 2025 17:20 (15 minutes)

Presenter: JAFAR, Arshak (JGU Mainz)

Session Classification: German DFG Research Unit Retreat

Contribution ID: **38**

Type: **not specified**

Future of OSIRIS, publications

Tuesday 7 October 2025 17:40 (15 minutes)

Presenter: WURM, Michael (Universität Mainz)

Session Classification: German DFG Research Unit Retreat

Contribution ID: 39

Type: **not specified**

Reconstruction of atmospheric neutrino using Machine Learning

Tuesday 7 October 2025 14:15 (15 minutes)

Presenter: CHARAVET, Milo Jacques Yoshitaka (UNI/EXP (Uni Hamburg, Institut für Experimentalphysik))

Session Classification: German DFG Research Unit Retreat

Contribution ID: 40

Type: **not specified**

Indirect Dark Matter Search in JUNO

Tuesday 7 October 2025 15:05 (15 minutes)

Presenter: ECK, Jessica (Universität Tübingen)

Session Classification: German DFG Research Unit Retreat

Contribution ID: 41

Type: **not specified**

Preliminary results on proton and carbon quenching from UniKaon

Tuesday 7 October 2025 15:25 (5 minutes)

Presenter: FAHRENDHOLZ, Ulrike (TUM)

Session Classification: German DFG Research Unit Retreat

Contribution ID: 42

Type: **not specified**

Background Study for Distant CCSN

Tuesday 7 October 2025 14:35 (15 minutes)

Presenter: KRAMER, Tobias (RWTH Aachen)

Session Classification: German DFG Research Unit Retreat

Contribution ID: 43

Type: **not specified**

Preliminary updates on muon induced neutron backgrounds from JUNO data

Tuesday 7 October 2025 10:10 (15 minutes)

Presenter: LU, Meishu (TUM)

Session Classification: German DFG Research Unit Retreat

Contribution ID: 44

Type: **not specified**

Status Update about MC Studies for the DSNB Search

Tuesday 7 October 2025 14:55 (5 minutes)

Presenter: MAYER, Matthias (TUM)

Session Classification: German DFG Research Unit Retreat

Contribution ID: 45

Type: **not specified**

TTR current status

Tuesday 7 October 2025 13:55 (15 minutes)

Presenter: SMIRNOV, Mikhail (UNI/EXP (Uni Hamburg, Institut für Experimentalphysik))

Session Classification: German DFG Research Unit Retreat

Contribution ID: 46

Type: **not specified**

Introduction

Wednesday 8 October 2025 14:15 (15 minutes)

Presenter: OCHOA-RICOUX, Pedro (University of California, Irvine)

Session Classification: First JUNO analysis