

ICMaSS 2023 Nuclear Emulsion Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Nagoya University Nuclear Emulsion Facility: Recent Activities and Prospects of Film Production

Saturday 2 December 2023 09:00 (20 minutes)

Presenters: ROKUJO, Hiroki; ROKUJO, Hiroki (Nagoya University (JP))

Contribution ID: 2

Type: **not specified**

Nagoya University Nuclear Emulsion Facility: Recent Activities and Prospects of Emulsion Scanning

Saturday 2 December 2023 09:20 (20 minutes)

Presenter: NAKANO, Toshiyuki (Aichi University of Education)

Contribution ID: 3

Type: **not specified**

GRAINE Project: Balloon-borne Gamma-ray Telescope with Nuclear Emulsion

Saturday 2 December 2023 09:40 (20 minutes)

Presenters: AOKI, Shigeki (Department of Physics-Kobe University); AOKI, Shigeki (Kobe University (JP))

Contribution ID: 4

Type: **not specified**

Gamma-Ray Astro Imager with Nuclear Emulsion project: Results in Operation for Time Stamper Emulsion Film and Status of Analysis on Balloon Experiment in 2023, Australia

Saturday 2 December 2023 10:00 (20 minutes)

Presenter: NAGAHARA, Shogo (Kobe University)

Contribution ID: 5

Type: **not specified**

Study of chemical composition of cosmic ray nuclei with GRAINE experiments

Saturday 2 December 2023 10:20 (20 minutes)

Presenter: IYONO, Atsushi (Okayama University of Science)

Contribution ID: 6

Type: **not specified**

The NINJA experiment and its future prospects

Saturday 2 December 2023 10:40 (20 minutes)

Presenter: FUKUDA, Tsutomu (Nagoya Univ.)

Contribution ID: 7

Type: **not specified**

Proton interaction and its charm production study

Saturday 2 December 2023 11:00 (20 minutes)

Presenter: SATO, Osamu (Nagoya University (JP))

Contribution ID: 8

Type: **not specified**

Measuring three-flavor neutrinos with FASER at the LHC

Saturday 2 December 2023 11:20 (20 minutes)

Presenters: ARIGA, Tomoko (Kyushu University (JP)); ARIGA, Tomoko (University of Bern)

Contribution ID: 9

Type: **not specified**

Particle and Applied physics with nuclear emulsion in Europe

Saturday 2 December 2023 14:00 (1 hour)

Presenter: DE LELLIS, Giovanni (Universita Federico II e INFN Sezione di Napoli (IT))

Contribution ID: **10**

Type: **not specified**

Research and development for the exploration of unknown cosmic ray events using billionyear- scale mineral track detectors

Saturday 2 December 2023 15:00 (20 minutes)

Presenter: IDO, Yuki (Graduate School of Environmental Studies Nagoya University)

Contribution ID: 11

Type: **not specified**

Measurement of low energy recoiled proton tracks in the Super Fine Grained Nuclear emulsion for searching low mass dark matter

Saturday 2 December 2023 15:20 (20 minutes)

Presenter: DOWDY, Yurika (Graduate School of Science Toho University)

Contribution ID: 12

Type: **not specified**

High-spatial-resolution nuclear emulsion for ultracold neutrons

Saturday 2 December 2023 15:40 (20 minutes)

Presenter: NAGANAWA, Naotaka (Nagoya University)

Contribution ID: 13

Type: **not specified**

Investigate the mechanism of proton boron capture therapy (PBCT)

Saturday 2 December 2023 16:00 (20 minutes)

Presenters: Dr KIMURA, Mitsuhiro (Nagoya University); KIMURA, Mitsuhiro

Contribution ID: 14

Type: **not specified**

Precise measurement of binding energies of hypernuclei on nuclear emulsion with machine learning

Saturday 2 December 2023 16:20 (20 minutes)

Presenter: NAKAGAWA, manami (RIKEN)

Contribution ID: 15

Type: **not specified**

Silver grain size control of nuclear emulsion with 300nm silver bromide crystal size and performance evaluation using HTS

Sunday 3 December 2023 09:00 (20 minutes)

Presenter: SHIMIZU, Kai (Nagoya University)

Contribution ID: 16

Type: **not specified**

Development of Automated Grain Density Measurement Method for Evaluation of Nuclear Emulsions Using CNN

Sunday 3 December 2023 09:20 (20 minutes)

Presenter: NAKANO, Kento (Nagoya University)

Contribution ID: 17

Type: **not specified**

3D reconstruction of cavities by cosmic ray imaging

Sunday 3 December 2023 09:40 (20 minutes)

Presenter: KOMDAMA, Hiroto (Nagoya University)

Contribution ID: **18**

Type: **not specified**

ScanPyramids ~Exploration of unknown structures of Khafre's Pyramid by Cosmic Ray Imaging using nuclear emulsions~

Sunday 3 December 2023 10:00 (20 minutes)

Presenter: KISHIMOTO, Kazuki (Nagoya University)

Contribution ID: **19**

Type: **not specified**

Archeological imaging study using cosmic ray

Sunday 3 December 2023 10:20 (20 minutes)

Presenter: ISHIGURO, Katsumi (nagoya university)

Contribution ID: 20

Type: **not specified**

Application of cosmic ray imaging using nuclear emulsions to detecting cavities in trees

Sunday 3 December 2023 10:40 (20 minutes)

Presenter: MORII, Kento (Nagoya University)

Contribution ID: 21

Type: **not specified**

Digital Archives for Nuclear Emulsion Data - Data in past experiments in Cosmic-ray and Accelerator physics -

Sunday 3 December 2023 11:00 (20 minutes)

Presenter: KODAMA, Koichi

Contribution ID: 22

Type: **not specified**

Development of a method for detecting photon s from high energy laser plasma and test experiments

Saturday 2 December 2023 12:00 (5 minutes)

Presenter: IWASAKI, Ryota

Session Classification: Poster

Contribution ID: 23

Type: **not specified**

Detecting cosmic ray nuclei in nuclear emulsion films on GRAINE experiments

Saturday 2 December 2023 12:05 (5 minutes)

Presenter: AKITA, Shoto

Session Classification: Poster

Contribution ID: 24

Type: **not specified**

Multifocal imaging approach in the analysis of nuclear emulsion grains in the GRAINE experiments

Saturday 2 December 2023 12:10 (5 minutes)

Presenter: SUGI, Yuki

Session Classification: Poster

Contribution ID: 25

Type: **not specified**

Development of a new fastest readout system "HTS2".

Saturday 2 December 2023 12:15 (5 minutes)

Presenter: MINAMI, Hideyuki

Session Classification: Poster

Contribution ID: 26

Type: **not specified**

GRAINE project: Analysis Status of Nuclear Emulsion Converter for the 2023 balloon experiment.

Saturday 2 December 2023 12:20 (5 minutes)

Presenter: USUDA, Ikuya

Session Classification: Poster

Contribution ID: 27

Type: **not specified**

Cosmic-ray imaging with nuclear emulsion plates for safety assessments of levees

Saturday 2 December 2023 12:25 (5 minutes)

Presenters: KITAGAWA, Nobuko; KITAGAWA, Nobuko (Nagoya University (JP))

Session Classification: Poster

Contribution ID: 28

Type: **not specified**

Crystal size measurement of silver bromide crystals and evaluation of nuclear emulsions of various crystal sizes

Saturday 2 December 2023 12:30 (5 minutes)

Presenter: NISHIGAKI, Takeo

Session Classification: Poster

Contribution ID: 29

Type: **not specified**

Exploration of effective compounds for Nuclear Emulsions

Saturday 2 December 2023 12:35 (5 minutes)

Presenter: YOSHIHARA, Atsuki

Session Classification: Poster

Contribution ID: 30

Type: **not specified**

Cosmic Ray Imaging Opens New Horizons in Archaeological Research

Saturday 2 December 2023 12:40 (5 minutes)

Presenters: MORISHIMA, Kunihiro (Nagoya University (JP)); MORISHIMA, Kunihiro

Session Classification: Poster

Contribution ID: 31

Type: **not specified**

Cosmic ray imaging from outside the pyramid

Saturday 2 December 2023 12:45 (5 minutes)

Presenter: KAMBE, Yuki

Session Classification: Poster

Contribution ID: 32

Type: **not specified**

Momentum measurement for the LHC-FASER experiment

Saturday 2 December 2023 12:50 (5 minutes)

Presenters: FUJIMORI, Haruhi (Chiba University (JP)); FUJIMORI, Haruhi

Session Classification: Poster

Contribution ID: 33

Type: **not specified**

Status and prospects of NINJA experiment

Saturday 2 December 2023 12:55 (5 minutes)

Presenter: INAMOTO, Hiiragi

Session Classification: Poster

Contribution ID: 34

Type: **not specified**

Development of charm analysis in the NA65/ DsTau experiment

Saturday 2 December 2023 13:00 (5 minutes)

Presenter: MIURA, Manato (Chiba University (JP))

Session Classification: Poster

Contribution ID: 35

Type: **not specified**

Development of a compact emulsion spectrometer for the identification of tau neutrinos and anti-tau neutrinos

Saturday 2 December 2023 13:05 (5 minutes)

Presenter: SANO, Motoya

Session Classification: Poster