

Hyper-K ND280++ workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Highlights from the T2K ND280 upgrade analysis workshop

Presenter: GIGANTI, Claudio (LPNHE Paris (IN2P3/CNRS))

Session Classification: Hyper-K and T2K members

Contribution ID: 3

Type: **not specified**

Water-based Liquid Scintillator in Japan

Saturday 27 July 2024 11:40 (15 minutes)

Presenters: ONDA, Naoto (Kyoto University); KIKAWA, Tatsuya (Kyoto University); KIKAWA, Tatsuya (Kyoto University)

Session Classification: Hyper-K and T2K members

Contribution ID: 4

Type: **not specified**

Water-based Liquid Scintillator with Quantum Dots

Saturday 27 July 2024 11:55 (15 minutes)

Presenters: KATORI, Teppei (King's College London); Dr KATORI, Teppei (King's College London)

Session Classification: Hyper-K and T2K members

Contribution ID: 5

Type: **not specified**

3D granularity water detector with BNL WbLS

Saturday 27 July 2024 11:25 (15 minutes)

Presenters: LI, Botao (ETH Zurich (CH)); LI, Botao (ETHZ - ETH Zurich); YEH, Minfang

Session Classification: Hyper-K and T2K members

Contribution ID: 6

Type: **not specified**

SPAD array with Scintillating Fibers and assembly/gluing

Saturday 27 July 2024 10:00 (15 minutes)

Presenter: FRANKS, Matthew Lewis (ETH Zurich (CH))

Session Classification: Hyper-K and T2K members

Contribution ID: 7

Type: **not specified**

3D imaging in organic scintillator

Saturday 27 July 2024 10:40 (15 minutes)

Presenter: DIEMINGER, Till Conrad (ETH Zurich (CH))

Session Classification: Hyper-K and T2K members

Contribution ID: 8

Type: **not specified**

Novel SPAD array imaging sensor

Saturday 27 July 2024 09:45 (15 minutes)

Presenter: Mr KANEYASU, Kodai (EPFL)

Session Classification: Hyper-K and T2K members

Contribution ID: 9

Type: **not specified**

R&D on alternative production of scintillating fiber mats

Saturday 27 July 2024 09:30 (15 minutes)

Presenter: BERNNS, Lukas (Tohoku University)

Session Classification: Hyper-K and T2K members

Contribution ID: **10**

Type: **not specified**

Initial thoughts on ND280++

Saturday 27 July 2024 08:30 (15 minutes)

Presenter: SGALABERNA, Davide (ETH Zurich (CH))

Session Classification: Hyper-K and T2K members

Contribution ID: 11

Type: **not specified**

Optimised injection moulding for SuperFGD-like detector production

Saturday 27 July 2024 09:00 (15 minutes)

Presenter: KUDENKO, Yury (Russian Academy of Sciences (RU))

Session Classification: Hyper-K and T2K members

Contribution ID: 12

Type: **not specified**

3D printing of SuperFGD-like detectors

Saturday 27 July 2024 09:15 (15 minutes)

Presenters: Dr KOSE, Umut (ETH-Zurich); KOSE, Umut

Session Classification: Hyper-K and T2K members

Contribution ID: 13

Type: **not specified**

Plans for the ND280++ prototype

Saturday 27 July 2024 12:10 (15 minutes)

Presenters: KIKAWA, Tatsuya (Kyoto University); KIKAWA, Tatsuya (Kyoto University)

Session Classification: Hyper-K and T2K members

Contribution ID: 14

Type: **not specified**

Towards the Conceptual Design Report: goals, plans and timeline + discussion

Presenters: SGALABERNA, Davide (ETH Zurich (CH)); KIKAWA, Tatsuya (Kyoto University); KIKAWA, Tatsuya (Kyoto University)

Session Classification: Hyper-K members only

Contribution ID: 15

Type: **not specified**

Definition of the ND280++ Reference design + discussion

Presenter: SGALABERNA, Davide (ETH Zurich (CH))

Session Classification: Hyper-K members only

Contribution ID: 16

Type: **not specified**

R&D and organisation of Work Packages + discussion

Presenter: SGALABERNA, Davide (ETH Zurich (CH))

Session Classification: Hyper-K members only

Contribution ID: 17

Type: **not specified**

Discussion

Session Classification: Hyper-K members only

Contribution ID: **18**

Type: **not specified**

From T2K ND280 to Hyper-K ND280++

Presenter: GIGANTI, Claudio (LPNHE Paris (IN2P3/CNRS))

Session Classification: Hyper-K members only

Contribution ID: **19**

Type: **not specified**

Closed session

Presenter: Prof. SANCHEZ, Federico (Universite de Geneve (CH))

Session Classification: Hyper-K members only

Contribution ID: 20

Type: **not specified**

Introduction to ND280++ and goals of the session

Presenter: SGALABERNA, Davide (ETH Zurich (CH))

Session Classification: Hyper-K members only

Contribution ID: 21

Type: **not specified**

Thoughts on new TPCs

Saturday 27 July 2024 10:55 (15 minutes)

Presenters: COLLAZUOL, Gianmaria (Universita e INFN, Padova (IT)); Prof. COLLAZUOL, Gianmaria (Universita e INFN, Padova (IT))

Session Classification: Hyper-K and T2K members

Contribution ID: 22

Type: **not specified**

High-Pressure TPC

Saturday 27 July 2024 11:10 (15 minutes)

Presenter: Prof. SANCHEZ, Federico (Universite de Geneve (CH))

Session Classification: Hyper-K and T2K members

Contribution ID: 23

Type: **not specified**

Status of ND280 MoU

Presenter: DI LODOVICO, Francesca (University of London (GB))

Session Classification: Hyper-K members only

Contribution ID: 24

Type: **not specified**

Discussion on ND280++ prototype

Presenters: KIKAWA, Tatsuya (Kyoto University); KIKAWA, Tatsuya (Kyoto University)

Session Classification: Hyper-K members only

Contribution ID: 25

Type: **not specified**

Studies for a potential ECal upgrade

Saturday 27 July 2024 08:45 (15 minutes)

Presenter: SANDFORD, Ellen (The University of Liverpool)

Session Classification: Hyper-K and T2K members