

# **QGP International Research Center Kick-off Symposium**

## **Report of Contributions**

Contribution ID: 11

Type: **not specified**

## Opening address and photo session

*Tuesday, November 25, 2025 9:00 AM (15 minutes)*

**Presenter:** NAGATA, Kyosuke (President, University of Tsukuba)

Contribution ID: 12

Type: **not specified**

## Closing

*Tuesday, November 25, 2025 6:10PM (5 minutes)*

**Presenter:** CHUJO, Tatsuya (University of Tsukuba (JP))

Contribution ID: 13

Type: **not specified**

## **QGP International Research Center**

*Tuesday, November 25, 2025 9:25 AM (15 minutes)*

**Presenter:** CHUJO, Tatsuya (University of Tsukuba (JP))

**Session Classification:** Session I

Contribution ID: 14

Type: **not specified**

## Exploring the $\bar{q}$ quark-gluon plasma at the LHC with ALICE

*Tuesday, November 25, 2025 9:40 AM (40 minutes)*

**Presenter:** VAN LEEUWEN, Marco (Nikhef National institute for subatomic physics (NL))

**Session Classification:** Session I

Contribution ID: 15

Type: **not specified**

## ALICE FoCal upgrade project

*Tuesday, November 25, 2025 10:20 AM (20 minutes)*

**Presenter:** Prof. INABA, Motoi (University of Tsukuba (JP))

**Session Classification:** Session I

Contribution ID: **16**

Type: **not specified**

## Exploring the Quark–Gluon Plasma with Hard Probes

*Tuesday, November 25, 2025 10:40 AM (20 minutes)*

**Presenter:** SAKAI, Shingo (University of Tsukuba (JP))

**Session Classification:** Session I

Contribution ID: 17

Type: **not specified**

## **QGP and dynamics of high-energy nuclear collisions**

*Tuesday, November 25, 2025 11:20 AM (30 minutes)*

**Presenter:** HIRANO, Tetsufumi

**Session Classification:** Session II

Contribution ID: **18**

Type: **not specified**

## **Tensor renormalization group approach to cold and dense QCD**

*Tuesday, November 25, 2025 11:50 AM (20 minutes)*

**Presenter:** KURAMASHI, Yoshinobu (University of Tsukuba)

**Session Classification:** Session II

Contribution ID: 19

Type: **not specified**

## Heavy-Ion Physics at High Baryon Density

*Tuesday, November 25, 2025 12:10 PM (20 minutes)*

**Presenters:** NIIDA, Takafumi; Dr NIIDA, Takafumi (University of Tsukuba)

**Session Classification:** Session II

Contribution ID: **20**

Type: **not specified**

## PHENIX and sPHENIX overview

*Tuesday, November 25, 2025 12:30 PM (20 minutes)*

**Presenters:** HACHIYA, Takashi; HACHIYA, Takashi (Nara Women's University (JP))

**Session Classification:** Session II

Contribution ID: 21

Type: **not specified**

## **Advanced Cancer Treatment Using Particle Beams - The Latest Developments in Proton Therapy and BNCT at the University of Tsukuba -**

*Tuesday, November 25, 2025 1:50 PM (30 minutes)*

**Presenter:** KUMADA, Hiroaki (University of Tsukuba)

**Session Classification:** Session III

Contribution ID: 22

Type: **not specified**

## **Radiation Transport Simulation for Radio-biology: Current and Prospective Challenges with Geant4-DNA**

*Tuesday, November 25, 2025 2:20 PM (20 minutes)*

**Presenter:** SAKATA, Dousatsu (AIST)

**Session Classification:** Session III

Contribution ID: 23

Type: **not specified**

## Quantum and Information Life Science

*Tuesday, November 25, 2025 2:40 PM (30 minutes)*

**Presenter:** SHIGETA, Yasuteru (University of Tsukuba)

**Session Classification:** Session III

Contribution ID: 24

Type: **not specified**

## ALICE3 project overview

*Tuesday, November 25, 2025 3:30 PM (20 minutes)*

**Presenter:** YAMAGUCHI, Yorito (Hiroshima University (JP))

**Session Classification:** Session IV

Contribution ID: 25

Type: **not specified**

## Silicon detector R&D at KEK ITDC

*Tuesday, November 25, 2025 3:50 PM (20 minutes)*

**Presenters:** OKAZAKI, Yuta; OKAZAKI, Yuta (KEK High Energy Accelerator Research Organization (JP)); OKAZAKI, Yuta (High Energy Accelerator Research Organization)

**Session Classification:** Session IV

Contribution ID: **26**

Type: **not specified**

## **Radiation tolerance and particle detectors of Gallium Nitride**

*Tuesday, November 25, 2025 4:10 PM (20 minutes)*

**Presenter:** OKUMURA, Hironori (University of Tsukuba)

**Session Classification:** Session IV

Contribution ID: 27

Type: **not specified**

## **Material characterization by positron annihilation**

*Tuesday, November 25, 2025 4:30 PM (20 minutes)*

**Presenter:** UEDONO, Akira (University of Tsukuba)

**Session Classification:** Session IV

Contribution ID: **28**

Type: **not specified**

## **Electron-Ion Collider and related activities**

*Tuesday, November 25, 2025 5:10 PM (20 minutes)*

**Presenter:** GUNJI, Taku (University of Tokyo (JP), QNSI/CNS)

**Session Classification:** Session V

Contribution ID: 29

Type: **not specified**

## Nuclear physics at RIBF

*Tuesday, November 25, 2025 5:30 PM (20 minutes)*

**Presenter:** MORIGUCHI, Tetsuaki (University of Tsukuba)

**Session Classification:** Session V

Contribution ID: **30**

Type: **not specified**

## **NA60+/DiCE (remote)**

*Tuesday, November 25, 2025 5:50 PM (20 minutes)*

**Presenter:** SEKIHATA, Daiki (University of Tsukuba (JP))

**Session Classification:** Session V

Contribution ID: 31

Type: **not specified**

## **Networking reception with light dinner and drinks**

*Tuesday, November 25, 2025 6:30 PM (2 hours)*