



# Activity of UKAKUREN/ JaFNA

Japan Forum of Nuclear Astrophysics

**Taka Kajino (NAOJ/UT/BUAA)**

## 【Purpose & Mission】

A wide range of researchers in nuclear physics, particle physics, astronomy, astrophysics, and meteorite science interact scientifically, stimulate and help each other and develop research.

## 【Enriching International Activity & Relation】

We concluded MOU for the partnership and promoting international scientific exchange with ECT\* (Europe) and JINA-CEE (US). We also started negotiations with Infra-ChETEC (Europe), IBS (Korea), CINA (China).

It is desirable to further expand global network.

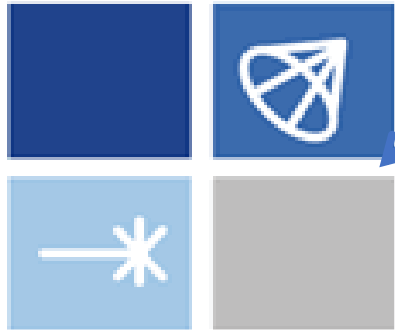
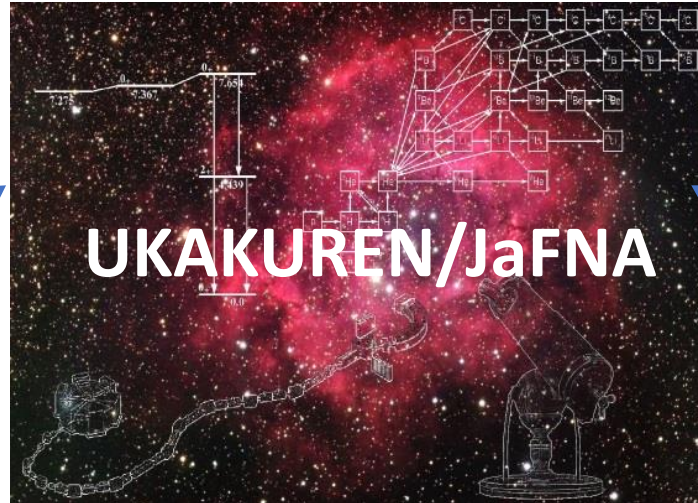
## 【Fostering Young Scientists】

Especially we provide opportunity where young researchers can be active in worldwide scientific activity. Establishing young scientist prize is planned.

# International Activity & Relation



Europe: ECT\* & ChETEC



USA: JINA-CEE/IreNA

Federation representing the activities  
in Cosmo-Nuclear Physics.

- Promoting Cosmo-Nuclear Physics
- Exchanging Scientists
- Encouraging Young Generation



Korea: RISP/IBS

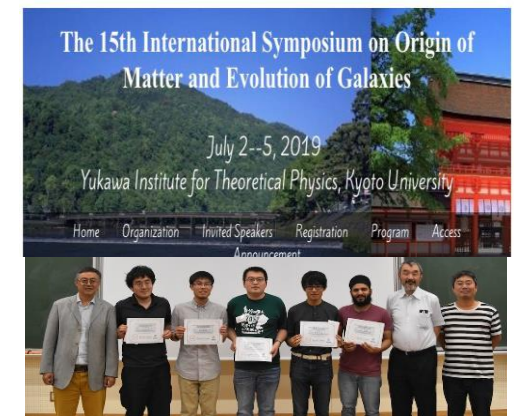


China: CINA

International Confs.

**OMEG** (Origin of Matter and  
Evolution of Galaxies)

**NIC** (Nuclei in the Cosmos)



Domestic  
**UKAKUREN Confs.**  
**OMEG Institutes**

# (1) IreNA = International Research Network for Nuclear Astrophysics (JINA/CEE)

Letter of Support on behalf of JaFNA/UKAKUREN (2019.1.19)

Established since 2019~

NAOJ-JINA/CEE Workshop (2019.12.3-4)

# (2) ChETEC-INFRA = Chemical Elements as Tracers for the Evolution of the Cosmos, INFRASTRUCTURES for Nuclear Astrophysics

Letter of Support on behalf of JaFNA/UKAKUREN (2020.5.13)

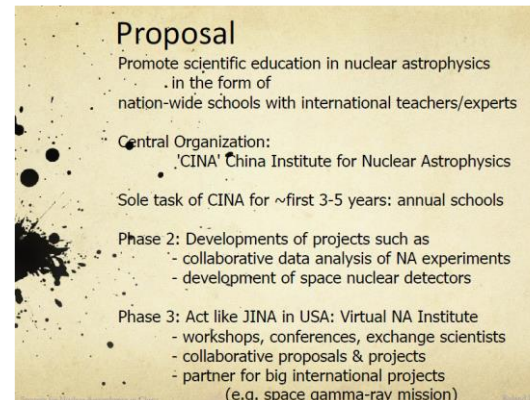
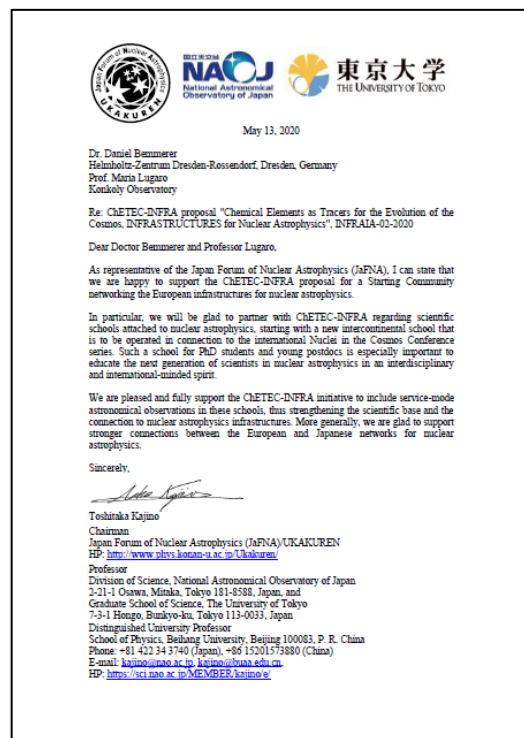
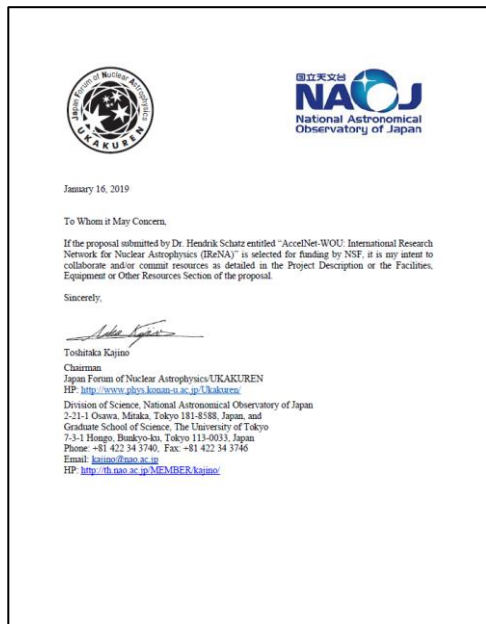
# (3) CINA = China Institute for Nuclear Astrophysics

Established since 2020.11.27~

CINA (2019.11.27)

→ ChETEC-INFRA (2020.5.13)

→ IreNA (2019.1.19)





# Step for Establishing Prizes by UKAKUREN

## Examples

### Japan Astronomical Society

- Young Astronomer Award
- Excellent Paper Award
- Hayashi Chushiro Prize

### High Energy Accelerator Science Forum

- Nihsikawa Prize
- Koshiba Medal (for Exp. Equip. develop.)
- Suwa Medal



Minister of Education  
Award



Commentaries on the  
examiners' committee

## UKAKUREN/JaFNA

1. Make a standing Review Committee
2. Deliberate journal papers
3. Give a shield or medal with the winner's name.
4. The winner is limited to UKAKUREN members.
5. Every year, 1 theory, 1 experiment and observation.
6. Young priority (age limit?)



Nishikawa Prize