

**Job Title:** Postdoctoral Fellow in Experimental Neutrino Physics

**Employer:** Cosmic ray research division, Institute for Space-Earth Environmental Research, Nagoya University, Japan

**Location:** Nagoya, Japan.

### **Job Description**

The Cosmic Ray Research Division at ISEE, Nagoya University, calls for applications for a Postdoctoral Researcher position. The group is led by Professor Yoshitaka Itow and is engaged in astroparticle physics research, including work in neutrino physics, dark matter, and ultra-high-energy cosmic ray interactions. The successful candidate will work closely with Professor Itow on topics in neutrino physics and neutrino astrophysics at Super-Kamiokande with particular emphasis on new efforts to improve atmospheric neutrino production calculations to make use of modern hadronic interaction models and experimental inputs. The successful candidate may also work on research and development towards the future Hyper-Kamiokande experiment and/or on accelerator experiments studying cosmic ray interactions.

- 1. Number of Positions:** Designated Assistant Professor (non-tenure track) or Researcher: 1
- 2. Qualifications:** (1) Applicants should have a Ph.D. in physics by the state of the appointment (2) There are no restrictions on the nationality of the candidate.
- 3. Duration of Appointment:** The appointment start date is flexible, but will not start sooner than April 1, 2019. The initial appointment is for one year, but may be renewed yearly through March 31<sup>st</sup> 2023, subject to approval.
- 4. Salary:** Compensations will be based on the annual salary system (as stipulated in the *Regulation on Pay Schedule for Employees Receiving Annual Salary at Nagoya University*) and will be approximately ~330,000 JPY/Month but may vary based on the successful candidate's experience.
- 5. Application Materials:** (1) CV and possible start date (2) A summary of the previous

research activities, (3) A plan for future work, (4) A complete list of previous academic works (journal publications, invited presentations, awards, etc.) with marks indicating the three most important publications. (5) PDF files of the three most important publications. (6) Contact addresses of two references.

All application materials must be submitted in either Japanese or in English. Application materials will not be returned.

**6. Method of Application:** Applicants should send application materials either as a single PDF file or as a zipped archive to the email address below with “Application to neutrino Post-Doc” in the subject heading.

Submission email address: itow@isee.nagoya-u.ac.jp

After submission, applicants should make further inquiries if a confirmation email is not received within three days of their submission. Inquiries concerning this position are handled by email to above the address only.

**7. Deadline for application and selection process:** All application materials shown must be received no later than 17:00 January 7<sup>th</sup> (Mon), 2019 JST. Applicants will be reviewed and contacted about the next stages of the selection process. Late applications may be considered up until the end of March 2019, if the position remains open.

Nagoya University is an Equal Opportunity Employer. Women are strongly encouraged to apply.