

The International Center for Quantum-field Measurement Systems for Studies of the Universe and Particles (QUP) at KEK solicits applications for its Postdoctoral Fellowship program. Each appointee will have opportunities to work with 13 initial PIs. We plan to hire about 20 postdoctoral fellows.

** We may offer a higher position at the rank of assistant professor to outstanding candidates. **

Please see the following sites for details:

<https://academicjobsonline.org/ajo/jobs/21028> (AcademicJobOnline)

<https://www.kek.jp/en/jobs/qup21-1e/> (Advertisement at KEK web page)

The posting shall remain open until the positions are filled, however for full consideration, we encourage all candidates to apply by February. 28, 2022.

QUP was established on December 16, 2021, at KEK as one of the research centers under the World Premier International Research Center Initiative (WPI) of the Japanese government. It is a brand new research center.

With “Bringing new eyes to humanity” as its tagline, QUP will invent, develop, and implement new measurement systems to lead discoveries in cosmology and particle physics.

QUP’s missions also include applications of the new measurement systems to a wide range of academic fields and society-related research.

Please also see the following pages to learn more about QUP’s overview and vision:

<https://academicjobsonline.org/ajo/KEK/QUP> (AcademicJobOnline)

https://www.jsps.go.jp/english/e-toplevel/04_project_plans.html (Japan Society for the Promotion of Science)

QUP’s broad area of research led by 13 initial PIs include applications of novel machine learning tools to analysis of the data collected by ATLAS, super rad-hard detector development and implementation to accelerator-based projects including ATLAS, superconducting detector development and implementation to the LiteBIRD satellite, “Project Q,” a new project for new particle searches (including theoretical studies), development of new quantum field measurement systems beyond existing quantum sensors, a new device with quantum-field Casimir effects, innovation in analog-digital-mixed ASICs design, advancing systems engineering and systems science through projects at QUP.

We welcome applications from ambitious researchers who are willing to take on new challenges. If you know of suitable candidates, please let them know.