Yuto Minami

Curriculum Vitae

Specially appointed assistant professor, Research Center for Nuclear Physics (RCNP), Osaka University, 10-1, Mihogaoka, Ibaraki, Osaka, 567-0047, Japan

Contact

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Nationality: Japan

Marital Status: married, a partner and a child

Web page: https://yutominami.github.io

INSPIRE-HEP: https://inspirehep.net/authors/1238534

Education

2013-2016 Ph.D. in physics, The University of Tokyo (Tokyo, Japan)

- Advisor: Prof. Sachio Komamiya
- Title: "Search for Supersymmetric Partners of Gluons in Proton-Proton Collisions at $\sqrt{s} = 13\,\mathrm{TeV}$", https://www.icepp.s.u-tokyo.ac.jp/download/doctor/phD2016_minami.pdf

2010-2013 MS in physics, The University of Tokyo (Tokyo, Japan)

- Advisor: Prof. Sachio Komamiya

2006-2012 BS in physics, The University of Tokyo (Tokyo, Japan)

Academic Career

2020- Specially appointed assistant professor, RCNP, Osaka University

2019 - 2020 Postdoctoral fellow, High Energy Accelerator Research Organization (KEK), (including parental leave for two months)

2016-2019 Researcher, KEK

Research Projects

2020- **CANDLES**: Search for neutrino-less double-beta decay events

2017- **Simons Array, POLARBEAR**: Ground based CMB polarization observation

2016- **LiteBIRD** : Satellite-borne future CMB polarization observation project

2013-2016 **LHC-ATLAS**: Proton-proton collider experiment

Grants

2020- Japan Society for the Promotion of Science (JSPS) KAKENHI Grant Number JP20K1449

2018-2019 JSPS KAKENHI Grant Number JP18H04361

Research Interests

Experimental physics: Physics beyond the Standard Model, Supersymmetry, Dark matter, Cosmic Microwave Background, Axion, P violation, Majorana neutrino

Teaching Experience

Research Assistant Teaching assistant of physics experiment class, The University of Tokyo (2011 Spring)

Specially appointed assistant professor Education of master course students (2020-)

Technical Skills

Operating Systems: Windows, Linux

Languages: English, Japanese, C++, Python

Programmable Logic: Verilog for Xilinx FPGAs

Applications: LaTeX, Microsoft Office(Word, Excel, PowerPoint)

Expertise: Read-out of low temperature detectors, operation of cryocoolers

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Outreach & Professional Development

Open house: “RCNP openhouse” project manager, Osaka University (2021)

Public seminar: Speaker of a science cafe (2019)

Open house: Introduction of LiteBIRD project, KEK (2018)

Open house: Introduction of LiteBIRD project, KEK (2016)