ICEPP Joint Research Program in FY2021

Research Project Title	Representative and Project Organization
Studies of Micro-Megas detector for the ATLAS muon	Atsushi Ochi (Kobe University) and
system upgrade	6 researchers (Kobe University, ICEPP)
Studies on the control system of large-scale electronics	Masaya Ishino (ICEPP) and 7 researchers
using a System-On-a-Chip (SoC) towards the	(Nagoya University, KEK, ICEPP)
High-Luminosity LHC era	
Search for new physics via resonance of two	Toshi Sumida (Kyoto University) and
weak-bosons with the ATLAS detector at the Large	7 researchers (Kyoto University, Waseda
Hadron Collider	University, ICEPP)
Search for Axion-like particle with forward-protron	Junichi Tanaka (ICEPP) and 3 researchers
detector at the ATLAS experiment	(Czech Technical University in Prague,
detector at the ATEAO experiment	ICEPP)
Exploring the performance improvement of the muon	Junpei Maeda (Kobe University) and
trigger system for the LHC Run-3	13 researchers (KEK, Kobe University, Kyoto
ungger system for the Effe Kun-5	University, ICEPP)
Studies for extension of the grid computing system	Tomoaki Nakamura (KEK) and 6 researchers
towards High-Luminosity LHC program	(KEK, ICEPP)
Research on quantum computers for application to High	Kohei Yorita (Waseda University) and
Energy Physics	9 researchers (Waseda University) and
Establishment of research facility for remote	Yasuyuki Okumura (ICEPP) and
collaboration for LHC-ATLAS muon trigger	9 researchers (KEK, ICEPP, Kobe University,
development	Nagoya University, Kyoto University)
Research on the background and sensitivity of the MEG	Wataru Ootani (ICEPP) and 9 researchers
experiment	(KEK, Kyushu University, INFN-Pisa,
experiment	INFN-Rome, ICEPP)
Studies to improve the performance of the Liquid	Satoshi Mihara (KEK) and 6 researchers
Xenon detector for the MEG experiment	(ICEPP, Kyushu University, University of
Xenon detector for the MEO experiment	California, Irvine)
Experimental studies for long-term operation of the	Yasuhiro Makita (KEK) and 8 researchers
cryogenic and purification system for the liquid Xenon	(ICEPP, KEK, PSI/University of Pisa)
detector of the MEG experiment Studies to improve the performance of the electron	Hajime Nishiguchi (KEK) and 6 researchers
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spectrometer for the MEG experiment	(KEK, ICEPP, University of Rome Sapienza)
Development of the fine-grained hadronic calorimeter	Tohru Takeshita (Shinshu University) and
for the ILC experiment	5 researchers (ICEPP, Kyushu University,
	Shinshu University)
Studies of the electro-symmetry breaking mechanism in	Daniel Jeans (KEK) and 7 researchers (KEK,
the ILC experiment	ICEPP, Kyushu University, Iwate Prefectural
	University, Nippon Dental University)
Development of the fine-grained electro-magnetic	Taikan Suehara (Kyushu University) and
calorimeter for the ILC experiment	5 researchers (Kyushu University, ICEPP,
	KEK)
Development of the fine-grained electro-magnetic	Tohru Takeshita (Shinshu University) and
calorimeter for the ILC experiment	4 researchers (ICEPP, Kyushu University)