

	(Co-)Spokespersons	Affiliation	Title of the experiment	Approval status (PAC recommendation)	Beamline	Status
E03	K.Tanida	JAEA	Measurement of X rays from $\Xi^-$ Atom	Stage 2	K1.8	Data taking
P04	J.C.Peng; S.Sawada	U of Illinois at Urbana-Champaign; KEK	Measurement of High-Mass Dimuon Production at the 50-GeV Proton Synchrotron	Deferred	Primary	
E05	T.Nagae	Kyoto U	Spectroscopic Study of $\Xi$ -Hypernucleus, $^{12}_{\Xi}\text{Be}$ , via the $^{12}\text{C}(K^-, K^+)$ Reaction	Stage 2 New experiment E70 based on the S-2S spectrometer	K1.8	Finished
E06	J.Imazato	KEK	Measurement of T-violating Transverse Muon Polarization in $K^+ \rightarrow \pi^0 \mu^+ \nu$ Decays	E36 as the first step	K1.1BR	
E07	K.Imai, K.Nakazawa, H.Tamura	JAEA, Gifu U, Tohoku U	Systematic Study of Double Strangeness System with an Emulsion-counter Hybrid Method	Stage 2	K1.8	Finished Data analysis
E08	A.Krutenkova	ITEP	Pion double charge exchange on oxygen at J-PARC	Stage 1	K1.8	
E10	A.Sakaguchi, T.Fukuda	Osaka U, Osaka EC U	Production of Neutron-Rich Lambda-Hypernuclei with the Double Charge-Exchange Reaction (Revised from Initial P10)	Stage 2	K1.8	Li run finished, Be target run with S-2S
E11	K.Sakashita, K. Mahn	KEK, Michigan State U	Tokai-to-Kamioka (T2K) Long Baseline Neutrino Oscillation Experimental Proposal	Stage 2	neutrino	Data taking
E13	H.Tamura	Tohoku U	Gamma-ray spectroscopy of light hypernuclei	Stage 2	K1.8	Finished
E14	T.Nomura	KEK	Proposal for $K_L \rightarrow \pi^0 \nu \bar{\nu}$ Experiment at J-PARC	Stage 2	KL	Data taking
E15	M.Iwasaki, T.Nagae	RIKEN, Kyoto U	A Search for deeply-bound kaonic nuclear states by in-flight $^3\text{He}(K^-, n)$ reaction	Stage 2	K1.8BR	Finished
E16	S.Yokkaichi	RIKEN	Measurements of spectral change of vector mesons in nuclei (previously "Electron pair spectrometer at the J-PARC 50-GeV PS to explore the chiral symmetry in QCD")	Stage 2 for Run 0 Deferred for Run 1. PAC recommended 101h+100h beam time for beam study & trigger study.	High p	Data taking
E17	R.Hayano, H.Outa	U Tokyo, RIKEN	Precision spectroscopy of Kaonic $^3\text{He}$ $3d \rightarrow 2p$ X-rays	Registered as E62 with an updated proposal	K1.8BR	
E18	H.Bhang, H.Outa, H.Park	SNU, RIKEN, KRISS	Coincidence Measurement of the Weak Decay of $^{12}_{\Lambda}\text{C}$ and the three-body weak interaction process	Stage 2	K1.8	
E19	M.Naruki	KEK	High-resolution Search for $\Theta^+$ Pentaquark in $\pi^- p \rightarrow K^+ X$ Reactions	Stage 2	K1.8	Finished
E21	Y.Kuno	Osaka U	An Experimental Search for $\mu - e$ Conversion at a Sensitivity of $10^{-16}$ with a Slow-Extracted Bunched Beam	Stage 2	COMET	
E22	S.Ajimura, A.Sakaguchi	Osaka U	Exclusive Study on the Lambda-N Weak Interaction in A=4 Lambda-Hypernuclei	Stage 1	K1.8	
T25	S.Mihara	KEK	Extinction Measurement of J-PARC Proton Beam at K1.8BR	Test Experiment	K1.8BR	Finished
E26	K.Ozawa	KEK	Search for $\omega$ -meson nuclear bound states in the $\pi^- + ^AZ \rightarrow n + ^{(A-1)}_{\omega}(Z-1)$ reaction, and for $\omega$ mass modification in the in-medium $\omega \rightarrow \pi^0 \gamma$ decay	Stage 1	K1.8	
E27	T.Nagae	Kyoto U	Search for a nuclear Kbar bound state $K^- pp$ in the $d(\pi^+, K^+)$ reaction	Stage 2	K1.8	Finished

	(Co-)Spokespersons	Affiliation	Title of the experiment	Approval status (PAC recommendation)	Beamline	Status
E29	H.Ohnishi	RIKEN	Search for $\phi$ -meson nuclear bound states in the $p\bar{b} + {}^AZ \rightarrow \phi + {}^{(A-1)}_{\phi}(Z-1)$ reaction	Stage 1	K1.1	
E31	H.Noumi	Osaka U	Spectroscopic study of hyperon resonances below KN threshold via the $(K^-n)$ reaction on Deuteron	Stage 2	K1.8BR	Finished Data analysis
T32	A.Rubbia	ETH, Zurich	Towards a Long Baseline Neutrino and Nucleon Decay Experiment with a next-generation 100 kton Liquid Argon TPC	Test Experiment	K1.1BR	Finished
P33	H.M.Shimizu	Nagoya U	Measurement of Neutron Electric Dipole Moment	Deferred	Linac	
E34	T. Mibe	KEK, RIKEN	An Experimental Proposal on a New Measurement of the Muon Anomalous Magnetic Moment g-2 and Electric Dipole Moment at J-PARC	Stage 2	MLF	
E36	M.Kohl, S.Shimizu	Hampton U, Osaka U	Measurement of $\Gamma(K^+ \rightarrow e^+ \nu) / \Gamma(K^+ \rightarrow \mu^+ \nu)$ and Search for heavy sterile neutrinos using the TREK detector system	Stage 2	K1.1BR	Finished Data analysis
E40	K.Miwa	Tohoku U	Measurement of the cross sections of $\Sigma p$ scatterings	Stage 2	K1.8	Finished Data analysis
P41	M.Aoki	Osaka U	An Experimental Search for $\mu - e$ Conversion in Nuclear Field at a Sensitivity of $10^{-14}$ with Pulsed Proton Beam from RCS	Deferred	MLF	Reviewed in MLF/IMSS
E42	J.K.Ahn	Pusan National U	Search for H-Dibaryon with a Large Acceptance Hyperon Spectrometer	Stage 2	K1.8	Finished
E45	K.H.Hicks, H.Sako	Ohio U, JAEA	3-Body Hadronic Reactions for New Aspects of Baryon Spectroscopy	Stage 2 PAC requests that the group further examine ways to reduce the total beam time requested and to find an efficient running scheme, including quick but careful beam tuning.	K1.8	
T46	K.Ozawa	KEK	EDIT2013 beam test program	Test Experiment	K1.1BR	Abandoned
T49	T.Maruyama	KEK	Test for 250L Liquid Argon TPC	Test Experiment	K1.1BR	Withdrawn
E50	H.Noumi	Osaka U	Charmed Baryon Spectroscopy via the $(\pi, D^*)$ reaction	Stage 1 The FIFC, IPNS, and E50 should investigate the beam-line feasibility	High p	
T51	S.Mihara	KEK	Research Proposal for COMET(E21) Calorimeter Prototype Beam Test	Test Experiment	K1.1BR	had to be stopped
T52	Y.Sugimoto	KEK	Test of fine pixel CCDs for ILC vertex detector	Test Experiment	K1.1BR	not performed yet
T53	D.Kawama	RIKEN	Test of GEM Tracker, Hadron Blind Detector and Lead-glass EMC for the J-PARC E16 experiment	Test Experiment	K1.1BR	not performed yet
T54	K.Miwa	Tohoku U	Test experiment for a performance evaluation of a scattered proton detector system for the $\Sigma p$ scattering experiment E40	Test Experiment	K1.1BR	not performed yet
T55	A.Toyoda	KEK	Second Test of Aerogel Cherenkov counter for the J-PARC E36 experiment	Test Experiment	K1.1BR	had to be stopped
E56	T.Maruyama	KEK	A Search for Sterile Neutrino at J-PARC Materials and Life Science Experimental Facility	Stage 2	MLF	Data taking

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E57	J. Zmeskal	Stefan Meyer Institute for Subatomic Physics	Measurement of the strong interaction induced shift and width of the 1s state of kaonic deuterium at J-PARC	Stage 1	K1.8BR	in preparation
P58	M. Yokoyama	U. Tokyo	A Long Baseline Neutrino Oscillation Experiment Using J-PARC Neutrino Beam and Hyper-Kamiokande	Deferred	neutrino	
T59	A. Minamino	Kyoto U	A test experiment to measure neutrino cross sections using a 3D grid-like neutrino detector with a water target at the near detector hall of J-PARC neutrino beam-line	To be arranged by IPNS and KEK-T2K	neutrino monitor bld	Finished
T60	T. Fukuda	Toho U	Proposal of an emulsion-based test experiment at J-PARC	Arranged by IPNS and KEK-T2K	neutrino monitor bld	Finished
E61	M. Wilking	Stony Brook U	NuPRISM/TITUS	Superseded. E61 has been adopted in Hyper-K as IWCD.	neutrino	
E62	R. Hayano, S. Okada, H. Ota	U. Tokyo, RIKEN	Precision Spectroscopy of kaonic atom X-rays with TES	Stage 2	K1.8BR	Finished
E63	H. Tamura	Tohoku U	Gamma-ray spectroscopy of light hypernuclei II	Stage 2	K1.1/K1.8	BL not ready yet. Exp. in preparation
T64	Y. Koshio	Okayama U	Measurement of the gamma-ray and neutron background from the T2k neutrino/anti-neutrino at J-PARC B2 Hall	Arranged by IPNS and KEK-T2K	neutrino	Finished
E65	K.Sakashita, K. Mahn	KEK, Michigan State U	Proposal for T2K Extended Run	Stage-2	neutrino	
T66	T. Fukuda	Nagoya U	Proposal of an emulsion-based test experiment at J-PARC	Test Experiment	neutrino	Finished
P67	I. Meigo	JAEA	Measurement of displacement cross section of proton in energy region between 3 and 30 GeV for high-intensity proton accelerator facility	Carry out the experiment within the framework of facility development	MR	
T68	T. Fukuda	Nagoya U	Extension of T60/T66 Experiment: Proposal for the Run from 2017 Autumn	Test Experiment	neutrino	Finished
E69	A. Minamino	Yokohama National U	Study of neutrino-nucleus interaction at around 1 GeV using cuboid lattice neutrino detector. WAGASHI. muon range	Superseded. Merged with T2K.	neutrino	
E70	T. Nagae	Kyoto U	Proposal for the next E05 run with the S-2S spectrometer	Stage-2	K1.8	
E71	T. Fukuda	Nagoya U	Proposal for precise measurement of neutrino-p-water cross-section in NINJA physics run	Stage-2	neutrino	Data taking
E72	K. Tanida	JAEA	Search for a Narrow $\Lambda^*$ Resonance using the $p(K^-, \Lambda)\eta$ Reaction with the hypTPC Detector	Stage-2	K1.8BR	
E73	Yue Ma	RIKEN	$^3_\Lambda\text{H}$ and $^4_\Lambda\text{H}$ mesonic weak decay lifetime measurement with $^3,4\text{He}(K^-, \pi^0)^3,4_\Lambda\text{H}$ reaction	Stage-2	K1.8BR	
P74	A.Feliciello	INFN, Torino	Direct measurement of the $3\Lambda\text{H}$ and $4\Lambda\text{H}$ lifetimes using the $3,4\text{He}(\pi^-, K^0)^3,4\Lambda\text{H}$ reactions	Rejected	K1.1	
E75	H.Fujioka	Tokyo Inst. Tech,	Decay Pion Spectroscopy of $5\Lambda\text{H}$ Produced by $\Xi$ -hypernuclear Decay	Stage-2	K1.8	
P76	H.M.Shimizu	Nagoya U	Searches for the Breaking of the Time Reversal Invariance in Polarized Epithermal Neutron Optics	Deferred	MLF	
T77	Yue Ma	RIKEN	Feasibility study for $3\Lambda\text{H}$ mesonic weak decay lifetime measurement with $3,4\text{He}(K^-, \pi^0)^3,4\Lambda\text{H}$ reaction	PAC supports the continuation of T77 by an explorative run with the $^3\text{He}$ target.	K1.8BR	Finished Data analysis
T78	H.Nishiguchi	KEK	8GeV Operation Test and Extinction Measurement	Test Experiment	K1.8BR	Finished

	(Co-)Spokespersons	Affiliation	Title of the experiment	Approval status (PAC recommendation)	Beamline	Status
E79	T.Ishikawa	Tohoku U	Search for an $I=3$ dibaryon resonance	Stage-1	High p	
E80	F.Sakuma	RIKEN	Systematic investigation of the light kaonic nuclei	Stage-1 Deferred for Stage-2. TDR update based on FIFC comments is necessary.	K1.8BR	
T81	T.Fukuda	Nagoya U	Proposal of test experiment for technical improvements of neutrino measurements with nuclear emulsion detector	Test Experiment	neutrino	
E82	T.Maruyama	KEK	JSNS2-II	Stage-2	MLF	
E83	J. H. Yoo	Korea U	Search for sub-millicharged particles at J-PARC	Stage-2	neutrino	
P84	S. Nakamura	Tohoku U	High precision spectroscopy of Lambda hypernuclei with the ( $\pi^+$ , $K^+$ ) reaction at the High Intensity High Resolution beamline	Deferred. This proposal is a part of the hadron extension discussion and PAC awaits the outcome of the special committee to convene in August for more information.	HIHR	
P85	K. Shirotori	Osaka U (RCNP)	Spectroscopy of Omega Baryons	Deferred. This proposal is a part of the hadron extension discussion and PAC awaits the outcome of the special committee to convene in August for more information.	K10, T2 target	
E86	K. Miwa	Tohoku U	Measurement of the differential cross section and spin observables of the $\Delta p$ scattering with a polarized $\Lambda$ beam	Stage 1	K1.1	
P87	T. Gunji, K. Ozawa, H. Sako	Tokyo,KEK,JAEA	Proposal for dielectron measurements in heavy-ion collisions at J-PARC with E16 upgrades	Deferred. PAC encourages the proponents to think about more versatile detector enabling (for example) concurrent measurement of leptonic and hadronic measurements.	HI, high-p	
E88	H. Sako	JAEA	Study of in-medium modification of phi mesons inside the nucleus with $\phi \rightarrow K^+K^-$ measurement with the E16 spectrometer	Stage-1	high-p	
P89	T. Yamaga	RIKEN	Investigation of fundamental properties of the KNN state	Deferred. PAC would like to see the detailed feasibility of P89 after E80's TDR.	K1.8BR	
E90	Y.Ichikawa, K.Tanida	JAEA	High resolution spectroscopy of the " $\Sigma N$ cusp" by using the $d(K^-, \pi^-)$ reaction	Stage-1	K1.8	
P91	Y.Morino	KEK	Proposal for study of charm component in the nucleon via $J/\psi$ measurement with the J-PARC E16 spectrometer	Deferred.	high-p	
P92	F.Sakuma	RIKEN	Proposal for the E80 Phase-I Experiment:Investigation of the KNNN $^-$ Bound State Focusing on the $\Delta d$ Decay	Deferred.	K1.8BR	
P93	K.Shirotori	Osaka U (RCNP)	Proposal of test experiment to evaluate performances of secondary beam mode at the high-momentum beam line	Deferred. PAC requests the proponent to continue discussion with the Lab/Facility management	high-p	

	(Co-)Spokespersons	Affiliation	Title of the experiment	Approval status (PAC recommendation)	Beamline	Status
E94	T.Gogami	Kyoto U	New generation $\Lambda$ hypernuclear spectroscopy with the ( $\pi^+$ , $K^+$ ) reaction by S-2S	Deferred for Stage-2. It is necessary to submit an updated TDR to FIFC.	K1.8	
P95	T.Ishikawa	Tohoku U	Pion-induced phi-meson production on the proton	Deferred. PAC asks the proponents to clarify physics goal, role of the experiment, and paths toward the goal with help of theorists.	high-p	
E96	T.O.Yamamoto	JAEA	Measurement of X rays from $\epsilon^-$ C atom with an active fiber target system	Stage-2	K1.8	
E97	M.Naruki	Kyoto U	Cascade baryon spectroscopy at J-PARC high-momentum beamline	Stage-1	high-p	
T98	K.Yorita	Waseda U	Measurement of Anti-Matter Reaction in Liquid Argon Time Projection Chamber	Test-experiment. PAC recommends approval of phase-2 for 24 hours of beam time	K1.8BR	
P99	H. Shimizu	Nagoya U	Study of Discrete Symmetries in Polarized Epithermal Neutron Optics	Deferred. PAC requests the expert panel to continue to work with the proponents.	MLF	
P100	K. Mishima	KEK	Fundamental Physics with Pulsed Cold Neutrons	Deferred. Further investigations are required. PAC requests an updated proposal.	MLF	
T101	H. Ito	Tokyo U of Science	Measurement of neutrino-induced neutron and $\gamma$ -ray background for BGO-based detectors at J-PARC	Test Experiment	neutrino	
P102	H. Kohri	Osaka U (RCNP)	Study of the peculiar bump structure at 1680 MeV by the $\pi^-p \rightarrow \eta n$ reaction with momenta of $p_{\pi^-} = 0.85-1.2$ GeV/c	Deferred. The proponents should clarify the advantages of the proposed measurement over the old measurements. Further considerations regarding experimental setup and more realistic simulations are necessary.	K1.8	

Stage1/2 granted

PAC37 discussion

PAC37 judgement

Approved test exp.

finished or not considered to be done in near future