

	(Co-)Spokespersons	Affiliation	Title of the experiment	Approval status (PAC recommendation)	Beamline	Status	From 2014	From 2016
							Leading Referees	Leading Referees
E03	K.Tanida	JAEA	Measurement of X rays from Ξ Atom	Stage 2	K1.8	In preparation	Weise, Shimizu, Zajc, Hatsuda	Weise, Aoi, Zajc, Kitano
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		Imai, Dote, Zajc, Hatsuda, Hanagaki	
E05	T.Nagae	Kyoto U	Spectroscopic Study of Ξ -Hypernucleus, ^{12}Be , via the $^{12}\text{C}(\text{K}^+, \text{K}^-)$ Reaction	Stage 2 New proposal based on the S-2S spectrometer is required	K1.8	Pilot run in Nov. 2015	Weise, Shimizu, Sakurai	Weise, Aoi, Pochodzalla
E06	J.Iimazato	KEK	Measurement of T-violating Transverse Muon Polarization in $\text{K}^+ \rightarrow \pi^0 \mu^+ \nu$ Decays	Stage 2	K1.1BR			
E07	K.Imai, N.Kazawa, H.Tamura	JAEA, Gifu U, Tohoku U	Systematic Study of Double Strangeness System with an Emulsion-counter Hybrid Method	Stage 2 Detailed quantitative evaluation of the necessary beam time is required	K1.8	5-day physics run in June 2016	Weise, Shimizu, Hanagaki	Weise, Pochodzalla, Hanagaki
E08	A.Krutenkova	ITEP	Pion double charge exchange on oxygen at J-PARC	Stage 1	K1.8		Dote, Imai, Zajc	Weise, Aoi, Zajc
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	Weise, Hatsuda, Zajc	Weise, Tamura, Zajc
E11	T.Kobayashi	KEK	Tokai-to-Kamioka (T2K) Long Baseline Neutrino Oscillation Experimental Proposal	Stage 2	neutrino	Data taking	Louis, Blucher, Inoue, Isidori	Harris, Kettell, Inoue, Isidori, Kitano
E13	H.Tamura	Tohoku U	Gamma-ray spectroscopy of light hypernuclei	Stage 2	K1.8	Finished	Weise, Shimizu, Hatsuda, Edelman	
E14	T.Yamanaka	Osaka U	Proposal for $\text{K}_\text{L} \rightarrow \pi^0 \nu \bar{\nu}$ Experiment at J-PARC	Stage 2	KL	Data taking	Imai, Blucher, Browder, Isidori, Hanagaki	Kuze, Kettell, Kitano, Isidori, Hanagaki
E15	M.Iwasaki, T.Nagae	RIKEN, Kyoto U	A Search for deeply-bound kaonic nuclear states by in-flight $3\text{He}(\text{K}^-, \text{n})$ reaction	Stage 2	K1.8BR	Finished	Imai, Dote, Sakurai, Zajc	To be renewed
E16	S.Yokotaichi	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 1 Updated TDR required for stage-2 approval	High p		Weise, Shimizu, Hatsuda, Edelman	Weise, Pochodzalla, Hatsuda, Edelman
E17	R.Hayano, H.Ota	U Tokyo, RIKEN	Precision spectroscopy of Kaonic ^3He 3d->2p X-rays	Registered as E62 with an updated proposal	K1.8BR		Imai, Dote, Sakurai, Hanagaki	
E18	H.Bhang, H.Ota, H.Park	SNU, RIKEN, KRISS	Coincidence Measurement of the Weak Decay of ^{12}C and the three-body weak interaction process	Stage 2	K1.8		Weise, Imai, Zajc	Weise, Tamura, Zajc
E19	M.Naruki	KEK	High-resolution Search for Θ^+ Pentaquark in $\pi \text{p} \rightarrow \text{KX}$ Reactions	Stage 2	K1.8	Finished	Sakurai, Dote, Zajc	
E21	Y.Kuno	Osaka U	An Experimental Search for $\mu - e$ Conversion at a Sensitivity of 10^{-16} with a Slow-Extracted Bunched Beam	Phase-I Stage 2	COMET		Louis, Weise, Inoue, Browder, Isidori, Edelman	Harris, Kitano, Browder, Isidori, Edelman
E22	S.Ajimura, A.Sakaguchi	Osaka U	Exclusive Study on the Lambda-N Weak Interaction in A=4 Lambda-Hypernuclei (Revised from Initial P10)	Stage 1	K1.8		Weise, Imai, Zajc	Weise, Tamura, Zajc
T25	S.Mihara	KEK	Extinction Measurement of J-PARC Proton Beam at K1.8BR	Test Experiment (coordinated by J-PNC)	K1.8BR	Data taking		
E26	K.Ozawa	KEK	Search for ω -meson nuclear bound states in the $\pi \rightarrow \Lambda^2 \rightarrow n + ^{(A)}(Z-1)$ reaction, and for ω mass modification in the in-medium $\omega \rightarrow \pi^0 \gamma$ decay	Stage 1	K1.8		Dote, Sakurai, Hatsuda, Edelman	Tamura, Hatsuda, Edelman
E27	T.Nagae	Kyoto U	Search for a nuclear Kbar bound state Kpp in the d(π^- , K^+) reaction	Stage 2	K1.8	Finished (not possible)	Weise, Shimizu, Sakurai, Hatsuda	Weise, Aoi, Kuze, Hatsuda
E29	H.Ohishi	RIKEN	Search for ψ -meson nuclear bound states in the pbar + $^A\text{Z} \rightarrow \psi + ^{(A)}(Z-1)$ reaction	Stage 1	K1.1		Dote, Shimizu, Zajc, Hatsuda	Tamura, Zajc, Hatsuda
E31	H.Noumi	Osaka U	Spectroscopic study of hyperon resonances below KN threshold via the (K^-n) reaction on Deuteron	Stage 2 Justify the beam time request	K1.8BR	Data taking	Weise, Shimizu, Imai, Hatsuda	Weise, Tamura, Pochodzalla, Hatsuda
T32	A.Rubbia	ETH, Zurich	Towards a Long Baseline Neutrino and Nucleon Decay Experiment with a next-generation 100 kton Liquid Argon TPC detector at Okoshima and an intensity upgraded J-PARC Neutrino beam	Test Experiment	K1.1BR	Finished		
P33	H.M.Shimizu	Nagoya U	Measurement of Neutron Electric Dipole Moment	Deferred	Linac		To be discussed later	To be discussed later
E34	N.Saito, M.Iwasaki	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 1 Carry out a focused review of the TDR	MLF		Louis, Browder, Inoue, Isidori, Hanagaki	Harris, Kettell, Isidori, Hanagaki, Kitano
E36	M.Kohli, S.Shimizu	Hampton U, Osaka U	Measurement of $\Gamma(\text{K}^+ \rightarrow e^+ \nu)/\Gamma(\text{K}^+ \rightarrow \mu^+ \nu)$ and Search for heavy sterile neutrinos using the TREK detector system	Stage 2	K1.1BR	Finished Data analysis	Browder, Blucher, Louis, Isidori, Edelman	Browder, Kettell, Isidori, Edelman
E40	K.Miwa	Tohoku U	Measurement of the cross sections of Ξp scatterings	Stage 2	K1.8	In preparation	Dote, Shimizu, Hatsuda, Zajc	Kettel, Kuze, Hatsuda, Zajc
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	Louis, Weise, Inoue, Browder, Isidori, Edelman	
E42	J.K.Ahn	Pusan National U	Search for H-Dibaryon with a Large Acceptance Hyperon Spectrometer	Stage 1 TDR should be updated for Stage 2	K1.8		Dote, Sakurai, Hatsuda, Hanagaki	Kuze, Hatsuda, Hanagaki
E45	K.H.Hicks, H.Sako	Ohio U, JAEA	3-Body Hadronic Reactions for New Aspects of Baryon Spectroscopy	Stage 1	K1.8		Shimizu, Dote, Hatsuda	Tamura, Kuze, Hatsuda
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 (π, D^*) reaction	Stage 1 IPNS should investigate the safety aspect of the beam-line	High p		Isidori, Browder, Shimizu, Hatsuda, Edelman	Isidori, Browder, Kettel, Hatsuda, Edelman
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 Σp 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 1 Continue evaluation of experimental sensitivity	MLF		Inoue, Isidori, Blucher, Edelman	Kuze, Isidori, Kettel, Edelman, Kitano
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 Beam time request endorsed. Safety review in Dec. 2016	K1.8BR	Commissioning run in 2016	Imai, Dote, Sakurai, Hatsuda, Zajc	Pochodzalla, Aoi, Hatsuda, Zajc
PS8	M.Yokoyama	U. Tokyo	A Long Baseline Neutrino Oscillation Experiment Using J-PARC Neutrino Beam and Hyper-Kamiokande	Deferred	neutrino		Louis, Blucher, Isidori, Hanagaki	Harris, Inoue, Isidori, Hanagaki
TS9	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	Discussion in the sub-committee	
T60	T.Fukuda	Tohoku U	Proposal of an emulsion-based test experiment at J-PARC	Arranged by IPNS and KEK-T2K	neutrino monitor bld	Finished	Discussion in the sub-committee	
E61	M.Wilking	Stony Brook U	nuPRISM	Stage 1	neutrino		Louis, Blucher, Inoue, Isidori	Harris, Kettell, Inoue, Isidori, Kitano
E62	R.Hayano, S.Okada, H.Ota	U.Tokyo, RIKEN	Precision Spectroscopy of kaonic atom X-rays with TES	Stage 2 Recommend the requested beam time	K1.8BR	Commissioning run in 2016	Imai, Dote, Sakurai, Hanagaki	Hatsuda, Aoi, Hanagaki, Kuze
E63	H.Tamura	Tohoku U	Gamma-ray spectroscopy of light hypernuclei II	Stage 2	K1.1	BL not ready yet. Exp. in preparation	Weise, Shimizu, Hatsuda, Edelman	Weise, Pochodzalla, Hatsuda, Aoi
E64	T.Nakaya	Kyoto U	Proposal for T2K Extended Run	Stage 1 Detailed technical review should be held	neutrino			Harris, Kettell, Inoue, Isidori, Kitano

Stage1/2 granted

PAC22 presentation

PAC22 judgement

Approved test exp.

finished or not considered to be done in near future