

	(Co-)Spokespersons	Affiliation	Title of the experiment	Approval status (PAC recommendation)	Beamline	Status	From 2016
							Leading Referees
E03	K.Tanida	JAEA	Measurement of X rays from $\Sigma$ Atom	Stage 2 One day beam time should be allocated before the summer shutdown	K1.8	In preparation	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		
E05	T.Nagae	Kyoto U	Spectroscopic Study of $\Sigma$ -Hypernucleus, $^{12}\text{Be}$ , via the $^{12}\text{C}(K^+, K^-)$ Reaction	Stage 2 New proposal based on the S-2S spectrometer is required	K1.8	Pilot run in Nov. 2015	Weise, Aoi, Pochodzalla
E06	J.Imazato	KEK	Measurement of T-violating Transverse Muon Polarization in $K^+ \rightarrow \pi^0 \mu^+ \nu$ Decays	Stage 1	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 Highest priority for the upcoming running period to complete the	K1.8	5-day physics run in June 2016	Weise, Pochodzalla, Hanagaki
E08	A.Krutenkova	ITEP	Pion double charge exchange on oxygen at J-PARC	Stage 1	K1.8		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 with S-2S	Weise, Tamura, Zajc
E11	T.Kobayashi	KEK	Tokai-to-Kamioka (T2K) Long Baseline Neutrino Oscillation Experimental Proposal	Stage 2 Two weeks additional beam time in the spring 2017.	neutrino	Data taking	Harris, Kettell, Inoue, Isidori, Kitano
E13	H.Tamura	Tohoku U	Gamma-ray spectroscopy of light hypernuclei	Stage 2	K1.8	Finished	
E14	T.Yamanaka	Osaka U	Proposal for $K_{L1} \rightarrow \pi^0 \nu \bar{\nu}$ Experiment at J-PARC	Stage 2	KL	Data taking	Kuze, Kettell, Kitano, Isidori, Hanagaki
E15	M.Wasaki, 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	Data taking	To be renewed
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 1 A revised proposal for Run-0 is required.	High p		Weise, Pochodzalla, Hatsuda, Eidelman
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 $^{12}\text{C}$ and the three-body weak interaction process	Stage 2	K1.8		Weise, Tamura, Zajc
E19	M.Naruki	KEK	High-resolution Search for $\epsilon'$ 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	Phase-1 Stage 2 50eV test should be carried out in spring 2017.	COMET		Harris, Kitano, Browder, Isidori, Eidelman
E22	S.Ajamura, A.Sakaguchi	Osaka U	Exclusive Study on the Lambda-N Weak Interaction in A=4 Lambda-Hypernuclei	Stage 1	K1.8		Weise, Tamura, Zajc
T25	S.Mihara	KEK	Extinction Measurement of J-PARC Proton Beam at K1.8BR	Test Experiment (coord'ed by JPNC)	K1.8BR	Data taking	
E26	K.Ozawa	KEK	Search for $\omega$ -meson nuclear bound states in the $\pi^+ + ^2\text{Z} \rightarrow n + ^{(A-1)}(\text{Z}-1)$ reaction, and for $\omega$ mass modification in the in-medium $\omega \rightarrow \pi^+ \pi^0$ decay	Stage 1	K1.8		Tamura, Hatsuda, Eidelman
E27	T.Nagae	Kyoto U	Search for a nuclear Kbar bound state Kpp in the $d(\pi^+ K^-)$ reaction	Stage 2	K1.8	Data taking	Weise, Aoi, Kuze, Hatsuda
E29	H.Ohnishi	RIKEN	Search for $\phi$ -meson nuclear bound states in the $p\text{bar} + ^4\text{He} \rightarrow \phi + ^{(A-1)}(\text{Z}-1)$ reaction	Stage 1	K1.1		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 PAC supports requests of a second run	K1.8BR	Data taking	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 Okinoshima 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
E34	N.Saito, M.Wasaki	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	MLF		Harris, Kettell, Isidori, Hanagaki, Kitano
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 The analysis status should be reported regularly. Dark photon analysis should be done.	K1.1BR	Finished Data analysis	Browder, Kettell, Isidori, Eidelman
E40	K.Miwa	Tohoku U	Measurement of the cross sections of $\Sigma p$ scatterings	Stage 2	K1.8	In preparation	Kettell, 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/IMS	
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		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		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 $(\pi, D^+)$ reaction	Stage 1 The FIFC, IPNS, and E50 should investigate the feasibility of the beamline	High p		Isidori, Browder, Kettell, Hatsuda, Eidelman
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 1 TDR should be submitted before Stage-2 approval	MLF		Kuze, Isidori, Kettell, Eidelman, 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 deuteron at J-PARC	Stage 1 It is not possible to accommodate the request in the upcoming running period.	K1.8BR	Commissioning run in 2016	Pochodzalla, Aoi, Hatsuda, Zajc
P58	M.Yokoyama	U. Tokyo	A Long Baseline Neutrino Oscillation Experiment Using J-PARC Neutrino Beam and Hyper-Kamiokande	Deferred	neutrino		Harris, Inoue, Isidori, Hanagaki
T59	A.Minamoto	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	Toho 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 Cost estimate for the identified Phase-1 site should be done before stage-2 approval.	neutrino		Harris, Kettell, Inoue, Isidori, Kitano
E62	R. Hayano, S. Okada, H. Outa	U. Tokyo, RIKEN	Precision Spectroscopy of kaonic atom X-rays with TES	Stage 2 PAC recommends the requested beam time when K1.8BR becomes available.	K1.8BR	Commissioning run in 2016	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, Pochodzalla, Hatsuda, Aoi
T64	Y.Koshio	Okayama U	Measurement of the gamma-ray and neutron background from the T2k neutrino/anti-neutrino at J-PARC B	Arranged by IPNS and KEK-T2K	neutrino		Discussion in the sub-committee
E65	T. Nakaya	Kyoto U	Proposal for T2K Extended Run	Stage 1	neutrino		Harris, Kettell, Inoue, Isidori, Kitano
T66	T. Fukuda	Nagoya U	Proposal of an emulsion-based test experiment at J-PARC	Test Experiment	neutrino		

Stage1/2 granted	PAC23 presentation	PAC23 judgement
Approved test exp.	finished or not considered to be done in near future	