

---- J-PARC PAC Approval summary after the 8th meeting ---

Proposals

| | (Co-) Spokespersons | Affiliation | Title of the experiment | Approval status (PAC recommendation) | Slow line priority | | Beamline |
|-----|---------------------------------------|--|--|---|--------------------|---------------|--------------|
| | | | | | Day1? | Day1 Priority | |
| E03 | K. Tanida | Kyoto U | Measurement of X rays from Ξ^- Atom | Stage 2 | | | K1. 8 |
| 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 | | | Primaly |
| E05 | T. Nagae | KEK | Spectroscopic Study of Ξ -Hypernucleus, $^{12}_{\Xi}\text{Be}$, via the $^{12}\text{C}(\text{K}^-, \text{K}^+)$ Reaction | Stage 2 | Day1 | 1 | K1. 8 |
| E06 | J. Imazato | KEK | Measurement of T-violating Transverse Muon Polarization in $\text{K}^+ \rightarrow \pi^0 \mu^+ \nu$ Decays | Stage 1 | | | K1. 1BR |
| E07 | K. Imai, K. Nakazawa, H. Tamura | Kyoto U., Gifu U., Tohoku U. | Systematic Study of Double Strangeness System with an Emulsion-counter Hybrid Method | Stage 2 | | | K1. 8 |
| E08 | A. Krutenkova | ITEP | Pion double charge exchange on oxygen at J-PARC | Stage 1 | | | K1. 8 |
| E10 | A. Sakaguchi, T. Fukuda | Osaka U | Production of Neutron-Rich Lambda-Hypernuclei with the Double Charge-Exchange Reaction (Revised from Initial P10) | Stage 2 | | | K1. 8 |
| E11 | K. Nishikawa | KEK | Tokai-to-Kamioka (T2K) Long Baseline Neutrino Oscillation Experimental Proposal | Stage 2 | | | neutrino |
| E13 | T. Tamura | Tohoku U. | Gamma-ray spectroscopy of light hypernuclei | Stage 2 | Day1 | 2 | K1. 8 |
| E14 | T. Yamanaka | Osaka University | Proposal for $\text{K}_L \rightarrow \pi^0 \nu \bar{\nu}$ Experiment at J-PARC | Stage 2 | | | K0 |
| E15 | M. Iwasaki, | RIKEN, KEK | A Search for deeply-bound kaonic nuclear states by in-flight $^3\text{He}(\text{K}^-, \text{n})$ reaction | Stage 2 | Day1 | | K1. 8BR |
| E16 | S. Yokkaichi | RIKEN | Electron pair spectrometer at the J-PARC 50-GeV PS to explore the chiral symmetry in QCD | Stage 1 | | | High pt |
| E17 | R. Hayano, H. Outa | U. Tokyo, RIKEN | Precision spectroscopy of Kaonic ^3He $3d \rightarrow 2p$ X-rays | Stage 2 | Day1 | | K1. 8BR |
| E18 | H. Bhang, H. Outa, H. Park | SNU, RIKEN, KRISS | Coincidence Measurement of the Weak Decay of $^{12}\Lambda$ and the three-body weak interaction process | Stage 1 | | | K1. 8 |
| E19 | M. Naruki | RIKEN | High-resolution Search for Θ^+ Pentaquark in $\pi^- p \rightarrow K^- X$ Reactions | Stage 2 | Day1 | | K1. 8 |
| 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 1 | | | New beamline |
| 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 |
| T25 | S. Mihara | KEK | Extinction Measurement of J-PARC Proton Beam at K1.8BR | test experiment | | | K1. 8BR |
| P26 | K. Ozawa | U. Tokyo | Direct measurements of omega mass modification in $A(\text{pi}^-, n)\omega$ reaction and omega $\rightarrow \text{pi}0$ gamma decays | Deferred | | | K1. 8 |
| E27 | T. Nagae | Kyoto U | Search for a nuclear Kbar bound state $K^- pp$ in the $d(\text{pi}^+, \text{K}^+)$ reaction | Stage 1 | | | K1. 8 |
| P28 | H. Fujioka | Kyoto U | Study of isospin dependence of kaon-nucleus interaction by in-flight $^3\text{He}(\text{K}^-, n/p)$ reactions | approved as a part of E15 | | | K1. 8BR |
| P29 | H. Ohnisi | RIKEN | Study of in medium mass modification for phi meson using phi meson bound state in nucleus | Deferred | | | K1. 1 |
| P30 | T. Suzuki | U. Tokyo | The investigation of $\Lambda(1405)$ state via the $d(\text{K}^-\text{stopped}, n)(\Sigma\pi^0)$ reaction | Rejected | | | K1. 8BR |
| P31 | M. Noumi | Osaka U | Spectroscopic study of hyperon resonances below KN threshold via the (K^-, n) reaction on Deuteron | via | Deferred | | K1. 8 |