

1. Title (both in English for a domestic workshop/conference)	Fourth International Workshop on the Extension Project for the J-PARC Hadron Experimental Facility (HEF-ex 2024)
2. List of members of the organizing committee with full name and affiliation	K.Aoki(KEK), A.Dote(KEK), M.Endo(KEK), Y.Fukao(KEK), Y.Hidaka(KEK), E.Hiyama(Tohoku), A.Hosaka(RCNP), T.Ishikawa(RCNP), K.Miwa(Tohoku), S.N.Nakamura(Tokyo), H.Nanjo(Osaka), M.Naruki(Kyoto), H.Nishiguchi(KEK), T.Nomura(KEK), H.Noumi(RCNP/KEK), H.Ohnishi(ELPH,Tohoku), F.Sakuma(RIKEN), H.Sako(JAEA), S.Sawada(KEK), K.Shiomi(KEK), K.Shirotori(RCNP), Y.Tajima(Yamagata), M.Takizawa(Showa Pharm. Univ.), H.Takahashi(KEK), T.Takahashi(KEK), H.Tamura(Tohoku), K.Ueno(Osaka), M.Ukai(KEK)
3. Period of workshop / conference	From 19/02/2024 To 21/02/2024
4. Venue	J-PARC (hybrid style)
5. Description of the results	<p>The "Fourth International Workshop on the Extension Project for the J-PARC Hadron Experimental Facility (HEF-ex 2024)" was held at J-PARC on February 19 -21, 2024. It was organized by Hadron Hall User Association (HUA), and supported by J-PARC Center, KEK Theory Center, RCNP, and JAEA ASRC.</p> <p>In this workshop, discussions were continuously devoted to the physics case that connects both the "present" and the "future" Hadron Experimental Facility at J-PARC. To this end, this workshop covered a wide range of topics in flavor, hadron, and nuclear physics related to both experimental and theoretical activities being conducted at the facility as follows:</p> <ul style="list-style-type: none"> • S=-1 and -2 hypernuclei • baryon-baryon and meson-baryon interactions • meson in nuclei • baryon spectroscopy • kaon rare decays • mu-e conversion • future facilities and instrumentation <p>The scientific program consisted of plenary sessions with invited speakers and parallel sessions with invited and contributed speakers. A total of 177 participants from 15 countries (35 from abroad) attended the workshop. There were 99 on-site participants, including 12 from abroad. There were 16 plenary sessions and 44 parallel sessions.</p>
6-1. Numbers of participants from overseas	35
6-2. Numbers of male participants	157
6-3. Numbers of female participants	20
7. URL of the webpage	https://kds.kek.jp/event/46965/