

1. Title (both in English for a domestic workshop/conference)	International workshop on the theoretical and experimental approaches for nuclear matrix elements of double-beta decay
2. List of members of the organizing committee with full name and affiliation	Sei Yoshida, Osaka Univ. Saori Umehara, RCNP Tatsushi Shima, RCNP Yoritaka Iwata, Osaka University of Economics and Law Jun Terasaki , Czech Technical University in Prague Kunoi Inoue, Tohoku Univ.
3. Period of workshop / conference	From 21/12/2024 To 22/12/2024
4. Venue	RCNP & Zoom
5. Description of the results	<p>The aim of this workshop is to improve the accuracy of the theoretical NME calculation. Close cooperation between the experimentalists and the theorists is necessary to achieve this aim. A question is what measurements can be important inputs to the NME calculation. The discussions are expected on the requests and suggestions for new experimental measurements.</p> <p>Eighteen presentations were given at the workshop, which includes the various theoretical calculation model of NMEs, the phenomena related to the <math>0\nu\beta\beta</math> decay as the precise measurement of the half-life of the <math>2\nu\beta\beta</math> decay, the Gamow-Teller transition strength using the charge exchange and electro magnetic probes reaction, and other physical quantities for obtaining important insight through the measurements of the nuclear reactions using accelerators.</p> <p>The all of sessions in the workshop were open for active discussion not only onsite but also via zoom connection from outside Japan. The discussion at this workshop will play a major role in creating new developments in the research of NME calculations for the <math>0\nu\beta\beta</math> decay.</p>
6-1. Numbers of participants from overseas	17
6-2. Numbers of male participants	32
6-3. Numbers of female participants	4
7. URL of the webpage	<a href="https://www.rcnp.osaka-u.ac.jp/~dbd/WS/nme23/index.html">https://www.rcnp.osaka-u.ac.jp/~dbd/WS/nme23/index.html</a>