

タイムスタンプ	2022/11/01 19:23:36
1. Title (both in English for a domestic workshop/conference)	Joint Meeting on Experimental & Theory of Nuclear Matrix Elements for Double Beta Decay
2. List of members of the organizing committee with full name and affiliation	Sei Yoshida(Osaka Univ.) Saori Umehara(RCNP, Osaka Univ.) Tatsushi Shima(RCNP, Osaka Univ.) Nobuo Hinojara(CCS, Univ. Tsukuba) Kunio Inoue(RCNS, Tohoku Univ.)
3. Period of workshop / conference	3rd/Oct./2022-4th/Oct./2022
4. Venue	RCNP, Osaka Univ.
5. Description of the results	<p>The discovery of neutrino-less double beta decay is extremely important not only as in proving Majorana nature of neutrino mass, but also in determining the hierarchical structure of neutrino masses.</p> <p>Determining neutrino masses from the half-lives of these decays requires nuclear matrix elements (NME), and the accuracy of such calculations must be improved in order to discuss neutrino masses.</p> <p>With this research background, this workshop reaffirmed the objective of unraveling the mysteries of the matter-dominated universe through double beta decay studies, and discussed and shared information on the necessity of improving the accuracy of NME.</p> <p>A total of 53 people, including both theoretical and experimental researchers, attended the workshop. Four experimental and six theoretical presentations were given at the workshop. (Presentation slides are available on the web page and can be downloaded.) In the panel discussion, there were 2 experimental comments and 3 theoretical comments were made. The presentation introduced the computational models of NME, the differences between them, and the differences in the accuracy of the NME calculations.</p>
6-1. Numbers of participants from overseas	2
6-2. Numbers of male participants	44
6-3. Numbers of female participants	9
7. URL of the webpage	https://www.lowbg.org/ugap/ws/dbd2022/index.html