

Nuclear Data Needs for Low Energy Neutrino Scattering Experiments

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Accurate calculations of $B(GT)$ are essential for predicting rates in low energy neutrino scattering experiments. However, past experiments have shown discrepancies between theoretical calculations and experimental measurements of $B(GT)$ in some isotopes. This poster presents the current state of $B(GT)$ measurements for isotopes relevant to neutrino scattering, including both charged-current and neutral-current scattering. The various experimental techniques and facilities capable of performing these measurements are also discussed. The importance of experimental $B(GT)$ measurements in improving our understanding of neutrino scattering and advancing our knowledge in nuclear physics is emphasized.

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