

21 世紀 COE セミナー

日時 : 2007 年 6 月 18 日 (月) 16 : 00 ~ 17 : 00

場所 : 大阪大学核物理研究センター 4 階講義室

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題目 : Study of Threshold Behavior of Effective Potential for ${}^6\text{Li} + {}^{64}\text{Ni}$
around the Coulomb Barrier Energies: An Experimental Investigation

概要 : Energy dependence of interaction potential around the Coulomb barrier leads to the so-called "Threshold Anomaly" and is well studied for tightly bound projectile and heavy targets. The scenario for loosely bound stable and unstable nuclei is inconclusive. We intend to experimentally investigate the energy dependence of the optical potential for ${}^6\text{Li}$ scattering from medium mass target ${}^{64}\text{Ni}$ by measuring elastic angular distributions near and around the Coulomb barrier.

(担当 : 松多)