

ना भि की य वि ज्ञा न - के न्द्र
NUCLEAR SCIENCE CENTRE

(विश्वविद्यालय अनुदान आयोग का स्वायत्त अनुसंधान केन्द्र)
(An Autonomous Inter-University Centre of UGC)

Certificate

This is to certify that the thesis entitled “Probing the near barrier fusion mechanism for the systems $^{37}\text{Cl} + ^{116}\text{Sn}$, $^{16}\text{O} + ^{112,116}\text{Sn}$ and $^{32}\text{S} + ^{112,116,120}\text{Sn}$ through barrier distribution measurements” submitted by Ms. Vandana Tripathi in partial fulfillment of the degree of Doctor of Philosophy in Physics of Jawaharlal Nehru University, embodies the work done by her under my guidance at the Nuclear Science Center, New Delhi. This work is original and has not been submitted in part or full for any other degree or diploma of any university.



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