

The Maharaja Sayajirao University of Baroda

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Declaration by the Candidate

I hereby declare that the work carried out for the Ph.D. thesis entitled *“Investigation of Neutron Induced Reaction Cross sections for Nuclear Data Applications”* is an original research work undertaken by me for the award of the degree of Doctor of Philosophy under the supervision of **Prof. N. L. Singh**. This work has been carried out at the Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda in active collaboration with Bhabha Atomic Research Center and Tata Institute for Fundamental Research (BARC-TIFR), Mumbai, India. I further declare that the work present here is original and any part of the thesis as a whole has been never submitted elsewhere for any degree and diploma whatsoever.

Signature:

Date: 01/07/2023

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