

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

*Prof. S. Mukherjee*  
*Professor of Physics*



Department of Physics  
Faculty of Science  
The M. S. University of Baroda  
Vadodara – 390 002

Tel. 0265-2795339

Email: sk.mukherjee-phy@msubaroda.ac.in

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## Certificate

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*This is to certify that the work included in this thesis “**Study of Nuclear Reaction Cross-Sections for Reactor Applications**” is an original piece of work done by Mr. Siddharth Parashari, under my guidance and supervision for the degree of Doctor of Philosophy, in the Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India and the candidate has put in attendance of more than two years with me.*

*To the best of my knowledge and belief the thesis*

- 1. Embodies the work of the candidate himself,*
- 2. Has duly been completed,*
- 3. Fulfills the requirements of the ordinance relating to the PhD degree of the university and*
- 4. is up to the standard both in respect of content and language for being referred to examiner.*

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*Prof. S. Mukherjee*  
*Thesis Supervisor*

*Forwarded through:*

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*Head*  
*Department of Physics*

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*Dean*  
*Faculty of Science*