

## Conference Papers

1. **Study of (n,p) and (n, $\alpha$ ) cross-sections for  $^{232}\text{Th}$ ,  $^{231}\text{Pa}$ ,  $^{233}\text{U}$  isotopes**  
**Vibha Vansola**, Bhawna Pandey, Mayur Mehta, S. Mukherjee  
*Proceedings of the DAE Symp. on Nucl. Phys. 59, 548 (2014).*
2. **Neutron activation and cross-section calculation for tungsten as a Divertor material in Fusion Reactor**  
Mayur Mehta, Bhawna Pandey, Rajnikant Makawana, **Vibha Vansola**, S.S.Khirwadkar  
*Proceedings of the DAE Symp. on Nucl. Phys. 59, 546 (2014).*
3. **Determination of  $^{55}\text{Mn}(n,\gamma)$  reaction cross-section at the neutron energies of 1.12 and 2.12 MeV**  
**Vibha Vansola**, S. Mukherjee, H. Naik, S.V. Suryanarayana, R.Ghosh, S. Badwar, B. Lawriniang  
*Proceedings of the DAE-BRNS Symp. on Nucl. Phys. 60, 496 (2015).*
4. **Neutron induced cross-section for Sn isotopes of interest in fusion reactor technology**  
**Vibha Vansola**, S. Mukherjee, Rajnikant Makwana, C. M. Vadagama, N. L. Singh, Bhawna Pandey  
*Proceedings of the DAE-BRNS Symp. on Nucl. Phys. 61, 572 (2016).*
5. **Measurement of  $^{232}\text{Th}(n,\gamma)$  reaction cross-section at the neutron energy 5.09 MeV, Vibha Vansola**, S. Mukherjee, R. Makwana, N.L. Singh, S.V. Suryanarayana, P.R. Desai, H. Naik  
*Proceedings of the DAE-BRNS Symp. on Nucl. Phys. 61, 570 (2016).*
6. **Experimental Cross-section Measurement of  $^{\text{nat}}\text{Nb}(p,n)^{93\text{m}}\text{Mo}$  reaction up to 20 MeV Energy**  
B. Lawriniang, R.Ghosh, S. Badwar, **V. Vansola**, B. Jyrwa, H. Naik, Y. Naik  
*Proceedings of the DAE-BRNS Symp. on Nucl. Phys. 61, 548 (2016).*

7.  $^{238}\text{U}(\text{n},\gamma)$  reaction cross-section at the neutron energy 8.96 MeV

Vibha Vansola, S. Mukherjee, S. Parashari, R. Makwana, S. V. Suryanarayana, H. Naik

*Proceedings of the DAE Symp. on Nucl. Phys. 62, 570 (2017).*

8. Neutron induced reaction cross-section for the plasma facing fusion reactor material - Tungsten isotopes

Mayur Mehta, N. L. Singh, R. Makwana, S. Mukherjee, V. Vansola, Y. Santhi Sheela, S. Khirwadkar, M. Abhangi, S. Vala, Mayur Mehta, S. V. Suryanarayana, H. Naik, R. Acharya, J. Varmuza, K. Katovsky

*In 2018 19th International Scientific Conference on Electric Power Engineering (EPE), pp. 1-6, IEEE (2018).*

9. Measurement of  $^{93}\text{Nb}(\text{n},2\text{n})^{92}\text{Nb}$  cross-section at different neutron energies

Mayur Mehta, N. L. Singh, P. V. Subhash, R. Makwana, R. Chauhan, H. Naik, S. Mukherjee, S.V. Suryanarayana, V. Vansola, Y. Shanthi Sheela, M. Abhangi, S. Vala, N. Agarwal, Nidhi Shetty, R. Acharya

*Proceedings of the DAE-BRNS Symp. on Nucl. Phys. (2018).*