

LIST OF RESEARCH PAPERS

- * (1) Alpha Induced Reactions in Antimony Isotopes.**
D.J.Shah, H.B.Patel and N.L.Singh.
DAE Symp. on Nucl. Phys. **37B**, 227(1994).
- (2) Preequilibrium Analysis of (α ,xn) Reactions in Holmium.**
H.B.Patel, D.J.Shah and N.L.Singh.
DAE Symp. on Nucl. Phys. **37B**, 231(1994).
- * (3) Measurement and Analysis of Alpha Particle Induced Reactions on Gold.**
D.J.Shah, H.B.Patel, N.L.Singh, S.Mukherjee and S.N.Chintalapudi.
Pramana J.Phys. **44**, 535(1995).
- (4) Investigation of Alpha Particle Induced Reactions on Yttrium.**
B.Dave, M.S.Gadkari, D.J.Shah, H.B.Patel and N.L.Singh.
Int. Nucl. Phys. Symp. Book of Abstracts **B20**(1995).
- (5) Alpha Induced Reactions on Natural Nickel.**
M.S.Gadkari, D.J.Shah, B.Dave, N.L.Singh and S.N.Chintalapudi.
DAE Symp. on Nucl. Phys. **39B**, 200(1996).
- * (6) Analysis of Isobaric Contribution in Alpha Induced Reactions in ^{56}Fe .**
N.L.Singh, D.J.Shah, H.B.Patel, S.Mukherjee and S.N.Chintalapudi
DAE Symp. on Nucl. Phys. **39B**, 202(1996).
- (7) Study of Preequilibrium Decay in (α ,xn) Reactions on Holmium upto 70 MeV**
M.S.Gadkari, H.B.Patel, D.J.Shah and N.L.Singh.
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- * (8) Excitation Functions for Alpha Particle Induced Reactions on Natural Antimony**
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- * (9) Investigation of (α ,xn) Reactions on Natural Indium.**
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- (10) Study of ($\alpha, xnypz\alpha$) Reactions on Thulium.
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- * (11) Alpha Particle Induced Reactions on Indium.
D.J.Shah and N.L.Singh.
Acta Physica Slovaca **47**, 465(1997).
- * (12) Investigation of ($\alpha, xnyp$) Reactions on ^{56}Fe .
N.L.Singh, D.J.Shah and H.B.Patel.
Can. J. Phys. **76**, 785(1998).
- (13) Investigation of Alpha Particle Induced Reactions on Rhodium.
M.S.Gadkari, D.J.Shah, N.L.Singh and S.N.Chintalapudi.
DAE Symp. on Nucl. Phys. **41B**, 174(1998).
- (14) Study of (α, xn) Reactions on ^{169}Tm , ^{181}Ta and ^{209}Bi upto 70 MeV.
H.B. Patel, D.J.Shah and N.L.Singh.
Il Nuovo Cimento (Accepted).
- * (15) Analysis of Isobaric Contribution in Alpha Particle Induced Reaction.
N.L.Singh and D.J.Shah.
Singapore J. Phys. (Communicated).

* The results presented in this thesis were reported / published in the papers marked with asterisk.