

List of Research Publications

Publications in Referred Journals (Published/Communicated)

1. Level structure of odd-odd nucleus – ^{54}Mn
G. Kiran Kumar, S. Mukherjee, S. Mukhopadhyay, Krishichayan, Sudatta Ray, S. S. Ghugre, A. K. Sinha, A. Chakraborty, and S. K. Basu
Journal of Physics G 2008 (In press)
2. Measurement and analysis of isomeric cross section ratio in the reaction $^{93}\text{Nb}(\alpha, 2n)^{95}\text{Tc}$: Pre-equilibrium reaction mechanism
S. Mukherjee, N.L. Singh, **G. Kiran Kumar** and L. Chaturvedi
Physical Review C 72, 014609 (2005)
3. Effects of level density in the cross sections of (α, xn) , (α, pxn) , $(\alpha, 2pxn)$ and (α, axn) reactions in ^{197}Au , ^{181}Ta , $^{\text{nat}}\text{In}$ and ^{93}Nb and pre-equilibrium analysis.
N. L. Singh, **G. Kiran Kumar** and S. Mukherjee
Int. Jour. Of Modern Physics E (Communicated-08)
4. Nuclear structure of ^{195}Tl at high spins
G. Kiran Kumar, S. Mukherjee, Elena Gueorguieva *et al.*
Phys. Rev. C (Communicated – 08)
5. Study of entrance channel effects in $^{215}\text{Fr}^*$ - through fission fragment angular distribution studies.
S. Appanna Babu, **G. Kiran Kumar**, S. Mukherjee, Hardev Singh, Prashant Rath, R.G. Thomas, B. K. Nayak, S.S. Santra, N.L. Singh, K.S. Golda, P. Sughatan, A. Jinghan, Rakesh Kumar
Phys. Rev. C (Communicated-08)

Conference/Symposium

International

1. In-beam gamma ray spectroscopy of ^{54}Mn .

G. Kiran Kumar, S. Mukherjee et. al., (**Best Paper Award in Nuclear Physics**)

(Proc. of South African Institute of Physics Conference, (2006))

National

1. Fast alpha particle emission in $^{14}\text{N}+^{197}\text{Au}$ reaction up to 250 MeV.

S. Mukherjee, P. Srinivasa Rao and **G. Kiran Kumar**. (**Oral**)

(Proc. of. NUCAR conference, 2007)

2. Level Structure of ^{54}Mn populated following the $^{20}\text{Ne}+^{51}\text{V}$ reaction at 145 MeV.

G. Kiran Kumar, S. Mukherjee S. Mukhopadhyay, Krishichayan, Sudatta Ray, S.S.

Ghugre, A.K. Sinha, A. Chakraborty, and S.K. Basu. (**Oral**)

(Proc. Of. DAE. Symp. On Nuclear Physics, Vol. 51, 248(2006))

3. In-beam gamma ray spectroscopy of ^{36}Cl .

G. Kiran Kumar, S. Mukherjee, S. Mukhopadhyay, Krishichayan, A. Chakraborty, Kausik Basu, S. S. Ghugre, A. K. Sinha, R. K. Thakur, S. K. Basu, R. Raut, A. Goswami

(Proc. of DAE Symp. On Nuclear Physics, Vol. 50, 236(2005))

4. Lifetime measurements in Cr and V isotopes using Centroid Shift Method and DSAM.

S. Mukhopadhyay, krishichayan, S. Ray, A. Chakraborty, N.S. pattabiraman, S.S. Ghugre, AK. Sinha, S.N. Roy, **G. Kiran Kumar**, P.V. Madhusudana Rao, U. Garg, A. Deo, S.B. Patel, A. Dhal, L. Chaturvedi, R. Raut, A. Goswamy, M.B. chatterjee, S.K. Basu, and Rakesh Kumar

(Proc. of DAE Symp. On Nuclear Physics, Vol. 50, 238(2005))

5. Pre-Equilibrium effects in $^{14}\text{N} + ^{103}\text{Rh}$ reactions up to 400 MeV.

S. Mukherjee, **G. Kiran Kumar**, N. L. Singh and Anil Sharma

(Proc. of DAE Symp. On Nuclear Physics, Vol. 50, 311(2005))

Concerning the Nature of things (De rerum Natura)

Bodies of things are safe till they receive,
a force which may their proper thread unweave,
nought then returns to naught, but parted falls.
To bodies of their prime Originals,
then nothing sure it's being quite forsakes,
since Nature one thing, from another makes. "

.....Lucretius (Latin Poet 98 - 50 B.C.)