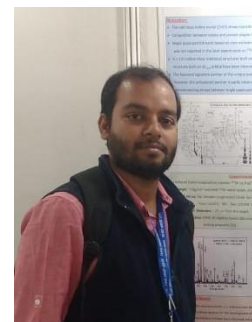


Teachers' Profile



1. **Name of the faculty member:** Dr. Shaikh Safikul Alam
2. **Designation:** Assistant Professor
3. **Department:** Physics
4. **Specialization:** Nuclear Physics
5. **Contact Information:** Vill.- Shonpukur, P.O.- Sutia, P.S.- Chapra, Dist.- Nadia, Pin- 741103

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6. Academic Qualifications:

College/University from which the degree was obtained	Abbreviation of the degree
University of Calcutta	B.Sc. in Physics (Hons.)
University of Calcutta	M.Sc. in Pure Physics
Variable Energy Cyclotron Centre (VECC), Kolkata; Homi Bhabha National Institute (HBNI), Mumbai	Ph.D.

7. **Other Qualifications:** NET (2013), GATE (2013), GATE (2014)

8. **Date of Joining in W.B.E.S:** 21.07.2020

9. **Date of Joining in this College:** 21.07.2020

10. **Research Interests:** Study of Experimental Nuclear Structure, Nuclear Spectroscopy; Development of Fast Timing Array, Measurement of Lifetime and Quadrupole Moment, Large Basis Shell Model Calculation etc.

11. Journal Publications:

i. *"Lifetime measurement of $15/2^{-1}$ and $13/2^{-1}$ levels in ^{129}Sn "*

D. Kumar, A. Pal, S. Basak, T. Bhattacharjee, **S.S. Alam**, L. Gerhard, L. Knafla, A. Esmaylzadeh, M. Ley, F. Dunkel, K. Schomaker, J. -M. Régis, J. Jolie, Y. H. Kim, and U. Köster.

[Physical Review C 109 \(2024\) 024304.](#)

ii. *"Lifetimes and transition probabilities for low-lying yrast levels in $^{130,132}\text{Te}$ "*

D. Kumar, T. Bhattacharjee, **S.S. Alam**, S. Basak, L. Gerhard, L. Knafla, A. Esmaylzadeh, M. Ley, F. Dunkel, K. Schomaker, J. -M. Régis, J. Jolie, Y. H. Kim, U. Köster, G. S. Simpson, and L. M. Fraile.

[Physical Review C 106 \(2022\) 034306.](#)

- iii. *"Shape coexistence scenario in ^{150}Sm from a γ - γ fast-timing measurement"*
S. Basak, **S.S. Alam**, D. Kumar, A. Saha, and T. Bhattacharjee.
[Physical Review C 104 \(2021\) 024320.](#)
- iv. *"Decay spectroscopy of $^{117;118}\text{Sn}$ "*
Sangeeta Das, Anik Adhikari, **S.S. Alam**, Sathi Sharma, Suman Aich, Arkabrata Gupta, Y. Sapkota, Ananya Das, A. Saha, S.K. Dey, Dibyadyuti Pramanik, Abhijit Bisoi, Indrani Ray, T. Bhattacharjee, C.C. Dey, S. Sarkar, M. saha Sarkar.
[Nuclear Physics A 1006 \(2021\) 122079.](#)
- v. *"Measurement of Electric Quadrupole moment in neutron rich $^{131;132}\text{I}$ "*
S.S. Alam, D. Banerjee, T. Bhattacharjee, P. Blaha, D. Kumar, A. Saha, M. Saha Sarkar, S. Sarkar, and S.K. Das.
[European Physical Journal A 56 \(2020\) 269.](#)
- vi. *"Single crystal HPGe (80%) versus BGO shielded CLOVER detector for high precision decay rate measurements: a comparative study"*
S. Pathak, P. Das, A. K. Sikdar, J. Nandi, S. Bhattacharyya, T. Bhattacharjee, Soumik Bhattacharya, **S.S. Alam**, A. Ray.
[Journal of Radioanalytical and Nuclear Chemistry 323 \(2020\) 1353.](#)
- vii. *"Study of radioactivity built-up and decay with singles time-stamped data"*
S. Das, A. De, B. Dey, S. Sharma, A. Adhikari, **S.S. Alam**, A. Gupta, Y. Sapkota, A. Das, A. Saha, D. Pramanik, T. Bhattacharjee, A. Bisoi, S. Sarkar and M. Saha Sarkar.
[JINST 14 \(2019\) T09006.](#)
- viii. *"Lifetimes and transition probabilities for the low-lying states in ^{131}I and ^{132}Xe ."*
S.S. Alam, T. Bhattacharjee, D. Banerjee, A. Saha, M. Saha Sarkar, and S. Sarkar.
[Physical Review C 99 \(2019\) 014306.](#)
- ix. *"Yrast and non-yrast spectroscopy of ^{199}Tl using α -induced reactions"*
Soumik Bhattacharya, S. Bhattacharyya, R. Banik, S. Das Gupta, G. Mukherjee, A. Dhal, **S.S. Alam**, Md. A. Asgar, T. Roy, A. Saha, S. Nandi, T. Bhattacharjee, A. Choudhury, Debasish Mondal, S. Mukhopadhyay, P. Mukhopadhyay, S. Pal, Deepak Pandit, I. Shaik, and S.R. Banerjee.
[Physical Review C 98 \(2018\) 044311.](#)
- x. *"Spectroscopy of low lying states in ^{150}Sm "*
A. Saha, T. Bhattacharjee, **S.S. Alam**, D. Banerjee, M. Saha Sarkar, S. Sarkar, J.B. Gupta, P. Das, Soumik Bhattacharya, Deepak Pandit, R. Guin, S.K. Das, S.R. Banerjee.
[Nuclear Physics A 976 \(2018\) 1.](#)

- xi. *"VECC Array for Nuclear fast Timing and Angular Correlation Studies (VENTURE)"*
S.S. Alam, T. Bhattacharjee, D. Banerjee, A. Saha, Deepak Pandit, D. Mondal, S. Mukhopadhyay, P. Bhaskar, S.K. Das, S.R. Banerjee.
[Nuclear Instruments and Methods in Physics Research, A 874 \(2017\) 103.](#)

12. Conference Proceedings:

- i. *"Lifetimes and transition probabilities in ^{129}Te through γ - γ fast timing measurement timing measurement"*
D. Kumar, S. Basak, A. Pal, T. Bhattacharjee, S. S. Alam, L. Knafla, A. Esmaylzadeh, M. Ley, K. Schomaker, L. Gerhard, F. Dunkel, J. -M. Régis, J. Jolie, Y. H. Kim, U. Köster
[Proceedings of the DAE Symp. on Nucl. Phys. 68 \(2024\) 75.](#)
- ii. *"Shape coexistence picture in ^{152}Sm : Observation of $K^\pi = 0_4^+, 0_5^+$ and 2_1^- bands"*
S. Basak, T. Bhattacharjee, D. Kumar, A. Pal, S. S. Alam, A. Saha, A. K. Sikdar, J. Nandi, Shabir. Dar, S. Samanta, S. Chatterjee, R. Raut, S. S. Ghugre, A. Adhikari, Y. Sapkota, R. Rahaman, Ananya Das, A. Gupta, A. Bisoi, S. Sharma, S. Das, A. Bhattacharyya, P. Das, U. Datta, I. Ray, and G. Duchene
[Proceedings of the DAE Symp. on Nucl. Phys. 68 \(2024\) 65.](#)
- iii. *"Lifetime measurement of yrast 2^- state in ^{154}Gd "*
A. Pal, S. Basak, D. Kumar, D. Banerjee, S. S. Alam, and T. Bhattacharjee
[Proceedings of the DAE Symp. on Nucl. Phys. 68 \(2024\) 53.](#)
- iv. *"Design of VENTURE-2.0: γ - γ fast timing array at VECC"*
A. Pal, D. Kumar, S. Basak, S. S. Alam, A. Saha, S. Roy, and T. Bhattacharjee
[Proceedings of the DAE Symp. on Nucl. Phys. 67 \(2023\) 1261.](#)
- v. *"Effect of CFD parameters on γ - γ fast timing with CeBr_3 detectors"*
S. Basak, D. Kumar, A. Pal, S. S. Alam, and T. Bhattacharjee
[Proceedings of the DAE Symp. on Nucl. Phys. 67 \(2023\) 1233.](#)
- vi. *"Characteristics of different sizes of CeBr_3 detectors through Geant4 simulation"*
A. Pal, D. Kumar, S. Basak, S. S. Alam, and T. Bhattacharjee
[Proceedings of the DAE Symp. on Nucl. Phys. 67 \(2023\) 1223.](#)
- vii. *"Lifetime measurement in n-rich ^{133}I "*
S. S. Alam, D. Kumar, D. Banerjee, A. Pal, S. Basak, A. Saha and T. Bhattacharjee
[Proceedings of the DAE Symp. on Nucl. Phys. 67 \(2023\) 221.](#)
- viii. *"Lifetime measurements in ^{129}Te "*
D. Kumar, S. Basak, A. Pal, S. S. Alam, T. Bhattacharjee, L. Gerhard, L. Knafla, A. Esmaylzadeh, F. Dunkel, K. Schomaker, J. -M. Régis, J. Jolie, Y. H. Kim, U. Köster

[Proceedings of the DAE Symp. on Nucl. Phys. 67 \(2023\) 217.](#)

- ix. *“New measurements on lifetimes and transition probabilities of $15/2_1^-$ and $13/2_1^-$ in neutron rich ^{129}Sn ”*

D. Kumar, A. Pal, S. Basak, **S. S. Alam**, T. Bhattacharjee, L. Gerhard, L. Knafla, A. Esmaylzadeh, F. Dunkel, K. Schomaker, J. -M. Régis, J. Jolie, Y. H. Kim, U. Köster

[Proceedings of the DAE Symp. on Nucl. Phys. 67 \(2023\) 215.](#)

- x. *“Observation of signature partner of $i_{13/2}$ band in ^{199}Hg ”*

Soumik. Bhattacharya, S. Bhattacharyya, S. Das Gupta, R. Banik, G. Mukherjee, S. Chakraborty, S. S. Nayak, Shabir Dar, A. Dhal, S. Nandi, Md. A. Asgar, T. Roy, R. Raut, S. S. Ghugre, S. K. Das, S. Chatterjee, S. Samanta, A. Goswami, Sajad Ali, S. Chattopadhyay, A. Karmakar, D. Kumar, S. Basu, S. Basak, S. Mukhopadhyay, P. Pallav, Debasish Mondal, **S. S. Alam**, T. Bhattacharjee, A. Saha, Deepak Pandit and S. Rajbanshi

[Proceedings of the DAE Symp. on Nucl. Phys. 67 \(2023\) 127.](#)

- xi. *“Indication of octupole correlation in ^{56}Co ”*

S. S. Nayak, S. Basu, G. Mukherjee, S. Nandi, Shabir Dar, Sneha Das, S. Basak, Soumik Bhattacharya, D. Kumar, D. Paul, K. Banerjee, Pratap Roy, A. Sen, S. Manna, T. Ghosh, Samir Kundu, T. K. Rana, T. Bhattacharjee, R. Pandey, **S. S. Alam**, S. Bhattacharyya, C. Bhattacharya, S. Samanta, S. Das, S. Chatterjee, R. Raut, S. S. Ghugre, U. Datta, P. Das, A. Bhattacharyya, S. Sadhukhan, S. De, S. Malgope, S. Chattopadhyay, H. Pai, S. Rajbanshi, S. Das Gupta, P. Pallav, R. Banik, Md. A. Asgar, H. Ghosh, and S. Ali

[Proceedings of the DAE Symp. on Nucl. Phys. 67 \(2023\) 49.](#)

- xii. *“Lifetime measurement in Gd isotopes around $N = 90$ ”*

S. Basak, D. Kumar, A. Pal, D. Banerjee, **S. S. Alam**, and T. Bhattacharjee

[Proceedings of the DAE Symp. on Nucl. Phys. 66 \(2022\) 170.](#)

- xiii. *“Lifetime measurements in neutron rich $^{133,135}\text{Xe}$ ”*

D. Kumar, S. Basak, **S. S. Alam**, A. Pal, D. Banerjee, S. K. Das, and T. Bhattacharjee

[Proceedings of the DAE Symp. on Nucl. Phys. 66 \(2022\) 168.](#)

- xiv. *“Spectroscopy of low lying states in ^{150}Pm ”*

A. Pal, S. Basak, D. Kumar, A. Saha, **S. S. Alam**, D. Banerjee, A. Adhikari, A. Gupta, A. Das, Y. Sapkota, A. Bisoi, S. Sharma, S. Das, S. Samanta, S. Chatterjee, S. Das and T. Bhattacharjee

[Proceedings of the DAE Symp. on Nucl. Phys. 66 \(2022\) 122.](#)

- xv. *“New scenario of shape co-existence in ^{152}Sm ”*

S. Basak, D. Kumar, T. Bhattacharjee, A. Pal, **S. S. Alam**, A. Saha, A. K. Sikdar, J. Nandi, Shabir Dar, S. Samanta, S. Chatterjee, R. Raut, S. S. Ghugre, A.

Adhikari, Y. Sapkota, R. Rahaman, A. Gupta, A. Das, A. Bisoi, S. Das⁷, S. Sharma⁷, A. Bhattacharyya, P. Das, U. Datta and I. Ray
[Proceedings of the DAE Symp. on Nucl. Phys. 66 \(2022\) 108.](#)

xvi. *“Development of Fast Timing Array at VECC and its Application in Nuclear Structure around $Z = 50$ and $N = 82$ Shell Closure”*

S.S. Alam (Thesis Presentation)

[Proceedings of the DAE Symp. on Nucl. Phys. 65 \(2021\) 861.](#)

xvii. *“Probing nuclear structure around doubly-magic ^{132}Sn through lifetime measurements.”*

D. Kumar, T. Bhattacharjee, **S. S. Alam**, S. Basak, L. Gerhard, L. Knafla, A. Esmaylzadeh, M. Ley, F. Dunkel, K. Schomaker, J. M. Regis, J. Jolie, Y. H. Kim, U. Koster, G. Simpson, L. M. Frail.

[Proceedings of the DAE Symp. on Nucl. Phys. 65 \(2021\) 30.](#)

xviii. *“Evidence of collective excitations at low and medium spin in ^{59}Ni ”*

S. S. Nayak, S. Basu, G. Mukherjee, S. Nandi, Shabir Dar, Sneha Das, S. Basak, Soumik Bhattacharya, D. Kumar, D. Paul, K. Banerjee, Pratap Roy, A. Sen, S. Manna, T. Ghosh, Samir Kundu, T.K. Rana, T. Bhattacharjee, R. Pandey, **S.S. Alam**, S. Bhattacharyya, C. Bhattacharya, S. Samanta, S. Das, S. Chatterjee, R. Raut, S. S. Ghugre, U. Datta, H. Pai, P. Das, A. Bhattacharyya, S. Sadhukhan, S. De, S. Malgope, S. Chattopadhyay, S. Rajbanshi, S. Das Gupta, P. Pallav, R. Banik, Md. A. Asgar, H. Ghosh, S. Ali.

[Proceedings of the DAE Symp. on Nucl. Phys. 65 \(2021\) 134.](#)

xix. *“Spectroscopy of ^{152}Sm ”*

S. Basak, D. Kumar, A. Saha, **S. S. Alam**, T. Bhattacharjee, A. Sikdar, J. Nandi, S. Samanta, S. Chatterjee, S. Dar, S. Das, S. Sharma, A. Adhikari, Y. Sapkota, R. Rehman, A. Kundu, A. Gupta, S. Das, Soumik Bhattacharya, S. Basu, A. Bhattacharyya, P. Das, G. Mukherjee, S. Bhattacharyya, C. Bhattacharya, A. Bisoi, I. Ray, R. Rout, S. S. Ghugre, U. Datta, M. Saha Sarkar, S. Chattopadhyay, G. Duchene, D. Curien, J. Dudek.

[Proceedings of the DAE Symp. on Nucl. Phys. 65 \(2021\) 140.](#)

xx. *“ γ - γ fast timing measurements in neutron rich Xenon nuclei”*

S. S. Alam, Devesh Kumar, Shefali

Basak, D. Banerjee, S.K. Das, M. Saha Sarkar, T. Bhattacharjee.

[Proceedings of the DAE Symposium on Nuclear Physics 64 \(2019\) 278.](#)

xxi. *“Near-yrast exotic structure in ^{199}Hg ”*

Soumik Bhattacharya, S. Bhattacharyya, S. Das Gupta, R. Banik, G. Mukherjee, A. Dhal, S. Nandi, Md. A. Asgar, T. Roy, R. Raut, S. S. Ghugre, S. K. Das, S. Chatterjee, S. Samanta, Shabir Dar, A. Goswami, Sajad Ali, S. Mukhopadhyay, Debasish Mondal, **S. S. Alam**, T. Bhattacharjee, A. Saha, Deepak

Pandit, Surajit Pal, S. R. Banerjee, S. Rajbanshi.

[Proceedings of the DAE Symposium on Nuclear Physics 64 \(2019\) 276.](#)

xxii. *“Lifetime measurements in neutron rich ^{129}Sn and $^{130,132}\text{Te}$ ”*

Devesh Kumar, T. Bhattacharjee, L. Gerhard, L. Knafla, A. Esmaylzadeh, F. Dunkel, K. Schonaker, J. -M. Regis, **S.S. Alam**, S. Basak, D. Banerjee, Y.H. Kim, U. Koster, M. Saha Sarkar.

[Proceedings of the DAE Symposium on Nuclear Physics 64 \(2019\) 280.](#)

xxiii. *“Lifetime measurement in $N = 88$ Sm using VENTURE array”*

Shefali Basak, **S. S. Alam**, D. Kumar, A. Saha, D. Banerjee, T. Bhattacharjee.

[Proceedings of the DAE Symposium on Nuclear Physics 64 \(2019\) 282.](#)

xxiv. *“Precise measurement of decay half lives of n-rich iodine isotopes after radiochemical separation”*

D. Banerjee, D. Kumar, T. Bhattacharjee, S. Basak, **S.S. Alam**.

[Proceedings of the DAE Symposium on Nuclear Physics 64 \(2019\) 286.](#)

xxv. *“Study of nuclear structure in ^{125}I ”*

S.S. Alam, D. Banerjee, T. Bhattacharjee, A. Saha, S. W. Raja, S. Das, A. Adhikari, A. De, A. Gupta, A. Das, Y. Sapkota, S. Sharma, S. Dey Chaudhuri, D. Pramanik, A. Bisoi, M. Saha Sarkar, S. Sarkar.

[Proceedings of the DAE Symposium on Nuclear Physics 63 \(2018\) 356.](#)

xxvi. *“Pulse processing electronics for γ - γ fast timing array at VECC”*

S.S. Alam, D. Kumar, D. Banerjee, S. Dey Chaudhuri, T. Bhattacharjee.

[Proceedings of the DAE Symposium on Nuclear Physics 63 \(2018\) 1212.](#)

xxvii. *“Lifetime measurement of $3/2^+_1$ state of ^{117}Sn ”*

Sangeeta Das, Suman Aich, A. Adhikari, **S.S. Alam**, Sathi Sharma, B. Dey, Arkabrata Gupta, Y. Sapkota, A. Das, A. Saha, S.K. Dey, Dibyadyut Pramanik, D. Banerjee, T. Bhattacharjee, C.C. Dey, Abhijit Bisoi, S. Sarkar, M. Saha Sarkar.

[Proceedings of the DAE Symposium on Nuclear Physics 63 \(2018\) 270.](#)

xxviii. *“Spectroscopy of long lived fission fragments in $A \sim 100$ -140 region”*

Wasim Raja Sk, D. Banerjee, **S.S. Alam**, T. Bhattacharjee, R. Acharya, P.K. Pujari.

[Proceedings of the DAE Symposium on Nuclear Physics 63 \(2018\) 290.](#)

xxix. *“Lifetime measurement of low lying states of ^{27}Si ”*

Sathi Sharma, Sangeeta Das, Arkajyoti De, Rashika Gupta, A. Gupta, A. Adhikari, A. Das, Y. Sapkota, A. Saha, **S.S. Alam**, S. Bhattacharya, R. Banik, S. Nandi, S. Das, S. Samanta, S. Chatterjee, S. Bhattacharyya, B. Dey, D. Pramanik, A. Bisoi, T. Bhattacharjee, M. Nandy, S. Sarkar, M. Saha Sarkar.

[Proceedings of the DAE Symposium on Nuclear Physics 63 \(2018\) 320.](#)

- xxx. *"Spectroscopy of $^{160,161}\text{Ho}$ "*
A. Adhikari, D. Pramanik, S. Das, Arkabrata Gupta, Y. Sapkota, Ananya Das, S. Sharma, A. De, A. Saha, **S.S. Alam**, S. Das, S. Samanta, S. Chatterjee, S. Bhattacharya, R. Banik, S. Nandi, R. Raut, S.S. Ghugre, S. Bhattacharyya, G. Mukherjee, T. Bhattacharjee, A. Bisoi, M. Saha Sarkar, S. Sarkar.
[Proceedings of the DAE Symposium on Nuclear Physics 63 \(2018\) 332.](#)
- xxxii. *"Life-time Measurement of levels in $^{160-162}\text{Dy}$ nuclei"*
A. Adhikari, S. Das, **S.S. Alam**, D. Pramanik, S. Sharma, Y. Sapkota, Arkabrata Gupta, Ananya Das, A. Saha, D. Banerjee, T. Bhattacharjee, A. Bisoi, M. Saha Sarkar, S. Sarkar.
[Proceedings of the DAE Symposium on Nuclear Physics 63 \(2018\) 338.](#)
- xxxiii. *"Singles time stamped data in In-beam spectroscopy"*
Sangeeta Das, Arkajyoti De, B. Dey, Sathi Sharma, A. Adhikari, **S.S. Alam**, Arkabrata Gupta, Y. Sapkota, A. Das, A. Saha, Dibyadyuti Pramanik, D. Banerjee, T. Bhattacharjee, Abhijit Bisoi, S. Sarkar, M. Saha Sarkar.
[Proceedings of the DAE Symposium on Nuclear Physics 63 \(2018\) 1144.](#)
- xxxiiii. *"VECC-INGA: An exploration of nuclear structure with light ions"*
Soumik Bhattacharya, R. Banik, S. Nandi, Sajad Ali, S. Chatterjee, S. Das, S. Samanta, K. Basu, A. Choudhury, A. Adhikari, **S.S. Alam**, Shabir Dar, B. Das, Sangeeta Das, A. Dhal, A. Mondal, K. Mondal, P. Mukhopadhyay, H. Pai, P. Ray, A. Saha, I. Shaik, C. Bhattacharya, G. Mukherjee, R. Raut, S. S. Ghugre, A. Goswami, S. Bhattacharyya.
[Proceedings of the DAE Symposium on Nuclear Physics 63 \(2018\) 1156.](#)
- xxxv. *"Lifetime measurement in neutron rich nuclei around ^{132}Sn "*
S.S. Alam, D. Banerjee, A. Saha, T. Bhattacharjee.
[Proceedings of the DAE Symposium on Nuclear Physics 62 \(2017\) 208.](#)
- xxxvi. *"Determination of Fission Product Yield for Lifetime and Quadrupole Moment Measurement"*
D. Banerjee, **S.S. Alam**, Sk Wasim Raja, A. Saha, T. Bhattacharjee.
[Proceedings of the DAE Symposium on Nuclear Physics 62 \(2017\) 420.](#)
- xxxvii. *"Measurement of Quadrupole Moment by Perturbed γ - γ Angular Correlation in n-rich Iodine nuclei"*
D. Banerjee, **S.S. Alam**, Sk Wasim Raja, A. Saha, T. Bhattacharjee.
[Proceedings of the National Symposium on Nuclear and Radiochemistry 13 \(2017\).](#)
- xxxviii. *"High spin structure and neutron alignment in ^{197}Tl "*
S. Nandi, G. Mukherjee, H. Pai, T. Roy, Md. A. Asgar, A. Dhal, R. Banik, S. Bhattacharya, A. Saha, **S.S. Alam**, S. Bhattacharyya, C. Bhattacharya, P. Roy, T.K.

Ghosh, S. Kundu, K. Banerjee, T.K. Rana, R. Pandey, S. Manna, A. Sen, S. Pal, S. Mukhopadhyay, D. Pandit, D. Mondal, T. Bhattacharjee, A. Dey, J.K. Meena, A.K. Saha, J.k. Sahoo, R. Mandal Saha, A. Choudhury, S.R. Banerjee.

[Proceedings of the DAE Symposium on Nuclear Physics 62 \(2017\) 80.](#)

xxxviii. *“Isomers in $^{117,118}\text{Sn}$ and role of neutron $1h_{11/2}$ orbit”*

Sangeeta Das, Sathi Sharma, **S.S. Alam**, Arkabrata Gupta, Anik Adhikari, Ananya Das, A. Saha, S. K. Dey, Dibyadyuti Pramanik, Abhijit Bisoi, T. Bhattacharjee, C. C. Dey, S. Sarkar, M. Saha Sarkar.

[Proceedings of the DAE Symposium on Nuclear Physics 62 \(2017\) 84.](#)

xxxix. *“Deformed structure based on $vi_{13/2}$ orbital in ^{199}Hg ”*

Soumik Bhattacharya, S. Bhattacharyya, R. Banik, S. Das Gupta, **S.S. Alam**, A. Dhal, Md. A. Asgar, T. Roy, A. Saha, T. Bhattacharjee, S. Mukhopadhyay, D. Pandit, D. Mondal, S. Pal, S. R. Banerjee.

[Proceedings of the DAE Symposium on Nuclear Physics 62 \(2017\) 118.](#)

xl. *“Decay spectroscopy of ^{118m}Sb ”*

Sathi Sharma, Sangeeta Das, **S.S. Alam**, Arkabrata Gupta, Anik Adhikari, Ananya Das, A. Saha, Dibyadyuti Pramanik, Abhijit Bisoi, Indrani Ray, T. Bhattacharjee, S. Sarkar, M. Saha Sarkar.

[Proceedings of the DAE Symposium on Nuclear Physics 62 \(2017\) 200.](#)

xli. *“Study of Nuclear Structure in odd-odd $^{122,124}\text{I}$ ”*

S.S. Alam, A. Saha, T. Bhattacharjee, D. Banerjee, Md. A. Asgar, R. Banik, S. Bhattacharyya, Soumik Bhattacharya, A. Dhal, D. Mondal, G. Mukherjee, S. Mukhopadhyay, S. Pal, D. Pandit, T. Roy, and S.R. Banerjee.

[Proceedings of the DAE Symposium on Nuclear Physics 61 \(2016\) 316.](#)

xlii. *“Decay spectroscopy of fission fragments around ^{132}Sn ”*

S.S. Alam, D. Banerjee, A. Saha, T. Bhattacharjee, S.K. Das.

[Proceedings of the DAE Symposium on Nuclear Physics 61 \(2016\) 318.](#)

xliii. *“ CeBr_3 detector array for measurement of lifetime and transition moment at VECC, Kolkata”*

S.S. Alam, T. Bhattacharjee, D. Banerjee, S. Mukhopadhyay, D. Mondal, A. Saha, D. Pandit, S. Pal, P. Bhaskar, S. K. Das, S. R. Banerjee.

[Proceedings of the DAE Symposium on Nuclear Physics 61 \(2016\) 320.](#)

xliv. *“Angular Correlation and lifetime measurement in ^{150}Pm ”*

A.Saha, **S.S. Alam**, D. Banerjee, T. Bhattacharjee, S. R. Banerjee.

[Proceedings of the DAE Symposium on Nuclear Physics 61 \(2016\) 300.](#)

xliv. *“VECC array for Nuclear Spectroscopy (VENUS)”*

Soumik Bhattacharya, R. Banik, **S.S. Alam**, A. Saha, Md. A. Asgar, T. Roy, A. Chowdhury, I. Sheikh, P. Mukhopadhyay, A. Dhal, T. Bhattacharjee, S.

Bhattacharyya, G. Mukherjee, S. Mukhopadhyay, D. Mondal, D. Pandit, S. Pal, S.R. Banerjee.

[Proceedings of the DAE Symposium on Nuclear Physics 61 \(2016\) 98.](#)

xlvi. *“Oblate band structure based on $\pi h_{9/2}$ orbital in ^{199}Tl ”*

Soumik Bhattacharya, S. Bhattacharyya, R. Banik, G. Mukherjee, S. Das Gupta, **S.S. Alam**, A. Dhal, Md. A. Asgar, T. Roy, A. Saha, T. Bhattacharjee, S. Mukhopadhyay, D. Pandit, D. Mondal, S. Pal, S. R. Banerjee.

[Proceedings of the DAE Symposium on Nuclear Physics 61 \(2016\) 188.](#)

xlvii. *“Half-life and β -feeding measurements of ^{207}Po by γ -spectroscopy method”*

A. Dhal, R. Ghosh, A. G. Nair, G. Mukherjee, Md. A. Asgar, T. Roy, T. K. Rana, T. K. Ghosh, K. Banerjee, S. Kundu, R. Pandey, Pratap Roy, S. Manna, A. Sen, A. Dey, J. K. Meena, J. K. Sahoo, A. K. Saha, R. Banik, Soumik Bhattacharya, A. Saha, **S.S. Alam**, D. Mondal, D. Pandit, S. Mukhopadhyay, S. Pal, T. Bhattacharjee, S. Bhattacharyya, C. Bhattacharya, S. R. Banerjee.

[Proceedings of the DAE Symposium on Nuclear Physics 61 \(2016\) 266.](#)

xlviii. *“Study of multi-quasiparticle band structures in ^{197}Tl using α -beam”*

G. Mukherjee, S. Nandi, H. Pai, T. Roy, Md. A. Asgar, A. Dhal, R. Banik, Soumik Bhattacharya, A. Saha, **S.S. Alam**, S. Bhattacharyya, C. Bhattacharya, Pratap Roy, T. K. Ghosh, S. Kundu, K. Banerjee, T. K. Rana, R. Pandey, S. Manna, A. Sen, S Pal, S Mukhopadhyay, D. Pandit, D. Mondal, T. Bhattacharjee, A. Dey, J. K. Meena, A. K. Saha, J. K. Sahoo, R. Mondal Saha, A. Choudhury, S.R Banerjee.

[Proceedings of the DAE Symposium on Nuclear Physics 61 \(2016\) 270.](#)

xliv. *“Fast Timing measurement in neutron rich $^{131,132}\text{I}$ ”*

S.S. Alam, T. Bhattacharjee, D. Banerjee, A. Saha, P. Das, S.K. Das.

[Proceedings of the DAE Symposium on Nuclear Physics 60 \(2015\) 270.](#)

i. *“Angular Correlation measurement around $Z=64$ ”*

N. Sensharma, **S.S. Alam**, D. Banerjee, T. Bhattacharjee, A. Saha, S.K. Das.

[Proceedings of the DAE Symposium on Nuclear Physics 60 \(2015\) 272.](#)

ii. *“Search for isomeric state in odd-odd ^{150}Pm ”*

A.Saha, D. Banerjee, T. Bhattacharjee, Deepak Pandit, **S.S. Alam**, P. Das, Soumik Bhattacharya, A. Choudhury, S. Bhattacharyya, A. Mukherjee, R. Guin, S.K. Das, S.R. Banerjee.

[Proceedings of the DAE Symposium on Nuclear Physics 60 \(2015\) 98.](#)

13. Invited talk:

- i. International Theme meeting on “Nuclear Lifetimes, Transitions and Moments” ([NLTM2022](#)) organized at VECC, Kolkata in February, 2022.

14. Workshop/Conference/School:

- i. Presented talk on “Development and use of γ - γ fast timing array at VECC” at Workshop on *“Indian National Gamma Array: Recent Results & Future perspectives”* organized at IUAC, New Delhi in June 2021.
- ii. Presented talk on “Measurement of Electric Quadrupole moment in neutron rich $^{131,132}\text{I}$ by Perturbed γ - γ Angular Correlation Spectroscopy and Theoretical Calculations” at *International Conference on HYPERFINE Interactions and their Applications (HYPERFINE 2019)* held in Goa (India) in February 2019.
- iii. Presented poster on “Measurement of Quadrupole moments in neutron rich Iodine nuclei” at *Frontiers in Gamma Ray Spectroscopy (FIG18)* organized at TIFR, India, in March 2018.