



8.2 Publications in Symposia / Conferences / Meetings / Reports

1. S.K. Bandyopadhyay, A. Ray, Pintu Sen, P. Barat, P. Mukherjee and T.V. Chandrasekhar Rao, "Magnetisation Studies of Oxygen Ion Irradiated BSCCO Superconductors Through SQUID"; International Conference on Condensed Matter and Material Physics (CMMP 2004); 2004, University of Warwick, U.K.
2. S.K. Bandyopadhyay, A. Ray, Pintu Sen, P. Barat, P. Mukherjee and T.V. Chandrasekhar Rao, "Assay of Stored Energy, Dissipation and J_c in Oxygen Ion Irradiated BSCCO Superconductor"; Proceedings of National Conference on Materials and their applications (NCMA-2004) held at Kurukshetra University, Kurukshetra, (2004) P. 48.
3. K. Banerjee, S. Kundu, C. Bhattacharya, A. Dey, S. Bhattacharya : "Simulation study of liquid scintillator based 4π neutron detector", Proc. of DAE-BRNS Symposium on Nuclear Physics (BHU Varanasi), **47B**, 524 (2004).
4. T. Bhattacharjee, C. C. Dey, M. B. Chatterjee, A. Mukherjee, S. Chanda, S. Bhattacharya, A. Chowdhury, P. Mukhopadhyay, P. S. Chakraborty, K. Banerjee, S. Kundu, A. De, C. Bhattacharya, S. K. Basu. "In beam tests on YAP(Ce) using heavy ion beams" - DAE-BRNS Symposium on Nuclear Physics, **47B**, 556 (2004)
5. Tumpa Bhattacharjee, Somen Chanda, Anjali Mukherjee, Swapan Kumar Basu, Sarmishtha Bhattacharyya, S. S. Ghugre, U. Dutta Pramanik, R. P. Singh, S. Muralithar, N. Madhavan, J. J. Das, R. K. Bhowmik, "Polarisation Measurement in ^{137}Ce " - DAE-BRNS Symposium on Nuclear Physics, **47B**, 62 (2004).
6. Sarmishtha Bhattacharya, Anindita Chowdhury, Tumpa Bhattacharjee, Somen Chanda, Swapan Kumar Basu, "Performance of a segmented planar Ge LEPS" - DAE-BRNS Symposium on Nuclear Physics, **47B**, 554 (2004)
7. A. Chakraborty, Krishichayan, S. Mukhopadhyay, N. S. Pattabiraman, S. Ray, S. S. Ghugre, A. K. Sinha, S. Sarkar, S. K. Basu, U. Garg, "Isomer spectroscopy of ^{90}Nb " - Proc. on the Conf. On "Nuclei at the limits", Argonne National Laboratory, USA (2004), p. 23.
8. A. Chakraborty, Krishichayan, K. Basu, S. S. Ghugre, S. Mukhopadhyay, N. S. Pattabiraman, P. V. Rajesh, S. Ray, A. K. Sinha, S. Sarkar, P. V. Mdhudana Rao, U. Garg, T. Bhattacharjee, **S. K. Basu**, M. B. Chatterjee, A. Goswami, G. Kiran Kumar, Rajesh Kumar, I. M. Govil, "Spectroscopy of $A \sim 60 - 70$ nuclei: from mid shell to shell closure" - DAE-BRNS Symposium on Nuclear Physics, **47B**, 188 (2004).
9. Lekha M. Chowdhury and P.K. Sarkar, "Analysis of Failure rates in an operating Variable Energy Cyclotron" Proc. IAEA International Conference on : Topical Issues in Nuclear Installation Safety: Continuous Improvement of Nuclear Safety in a Changing World, Beijing, China, (2004).

10. D. P. Chowdhury, "R & D experimental proposals of Analytical Chemistry Division, BARC, VECC using proton beam from DAE Medical Cyclotron at Kolkata" - Programme Advisory Committee of DAE Medical Cyclotron, IGCAR, Kalpakkam, (2004).
11. D. P. Chowdhury, "Status of activities in Nuclear Chemistry using irradiation beam line in cave III in Superconducting Cyclotron" - Superconducting Cyclotron Utilisation Review Meeting, VECC, Kolkata, (2004).
12. Lekha. M. Chowdhury, P. K. Sarkar, "Probabilistic Safety Analysis in Particle Accelerators" Proc. IAEA International Conference on: Topical Issues in Nuclear Installation Safety: Continuous Improvement of Nuclear Safety in a Changing World , Beijing, China, (2004).
13. D. P. Chowdhury, R. Guin, S.K. Saha, M. Sudersanan "Surface erosion study of electrodes using radioisotopes from heavy ion induced reactions with ^{16}O projectile by TLA technique" - Discussion Meeting on Application of Radiotracers in Chemical, Environmental and Biological Sciences, SINP, Kolkata, (2004).
14. D. P. Chowdhury, R. Guin, S.K. Saha, M. Sudersanan "Use of radioisotopes from heavy ion induced reactions for the non-destructive analysis of thin target materials" - Discussion Meeting on Application of Radiotracers in Chemical, Environmental and Biological Sciences, SINP, Kolkata, (2004).
15. S. K. Das and S. K. Saha : "TDPAC studies of the chemical species of Zr metal dissolved in HF acid using ^{181}Hf as a probe", 13th Int. Conf. on Hyperfine Interaction, Bonn, Germany (2004).
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 22. G. Dlubek, U. De, N. Arutyonov, J. Pionteck, R. Krause-Rehberg, "The Temperature Dependence of the Free Volume in Poly(dimethyl siloxane)(PMDS) from PALS and PVT Measurements", 35th Polish Seminar on Positron Annihilation, (2004) Turawa (Poland).
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 24. T. K. Ghosh, S. Roy, S. Pal, P. Datta, T. Sinha, S. Chattopadhyay, C. Bhattacharya, K. Banerjee, S. Kundu, P. Bhattacharya, B. C. Sinha : "First observation of quasi fission in reaction $^{20}\text{Ne} + ^{232}\text{Th}$ ": Proc. of DAE-BRNS Symposium on Nuclear Physics (BHU Varanasi), **47B**, 204 (2004).
 25. R. Guin, D.P. Chowdhury, S. K. Saha and M. Sudersanan : "Use of radioisotopes from heavy ion induced reactions for nondestructive analysis of thin target materials", Discussion meeting on application of radioisotopes in chemical, environmental and biological sciences, SINP, Kolkata (2004).
 26. Krishichayan, A. Chakraborty, S. S. Ghugre, R. Goswami, S. Mukhopadhyay, N. S. Pattabiraman, S. Ray, A. K. Sinha, S. Sarkar, P. V. Madhusudhana Rao, U. Garg, S. K. Basu, B. K. Yogi, L. Chaturvedi, A. Dhal, R. K. Sinha, S. Saha, R. Singh, R. K. Bhowmik, A. Jhingan, N. Madhavan, S. Muralithar, S. Nath, R. P. Singh, P. Sugathan, "Parity measurements in ^{145}Tb " - DAE-BRNS Symposium on Nuclear Physics, **47B**, 70 (2004).
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 29. S. Kundu, K. Banerjee, C. Bhattacharya, A. Dey, S. Bhattacharya, S. Mukhopadhyay, D. Gupta, R. Saha, P. Bhaskar, M. D. Trivedi : "Performance test of CsI and 16 channel Si-strip detector": Proc. of DAE-BRNS Symposium on Nuclear Physics (BHU Varanasi), **47B**, 504 (2004).

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32. P. Mukherjee, **A.Sarkar**, P.Barat, U.Kamachi Mudali, Baldev Raj, "X-ray diffraction line profile analysis on irradiated titanium and its alloys", Fourth International Conference on Inorganic Materials, Antwerp, Belgium, (2004).
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35. Maitreyee Nandy, P.K.Sarkar, Noriaki Nakao and T. Shibata, "Studies on excitation functions of $^{111,110,109}\text{-In}$ and $^{110}\text{-Ag}$ produced in nat-In target by high energy neutrons" DAE-BRNS Symposium on Nuclear Physics, BARC, **Vol. 47B**, (2004).
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37. Sujit Pal, M. Sudersanan, "Determination of fluoride content in Bakreswar thermal spring water" - National Symposium on Environment, NEHU, Shillong, (2004).
38. Sujit Pal, Sankha Chattopadhyay, M.K. Das, M. Sudersanan, "Recovery of radioiodine from irradiated tellurium dioxide by dry distillation technique to be applied for the production of $^{131,123,124,120}\text{I}$ used for biomedical applications" - Discussion Meeting on Application of Radiotracers in Chemical, Environmental and Biological Sciences, SINP, Kolkata, (2004).
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41. M. H. RASHID, C. Mallik and R. K. Bhandari, 'Cusp Mirror Field Ion Source for Radioactive Ion Beam Production', 3rd. Asian Particle Accel. Conf. (**APAC**), Gyeongju (Korea), (2004).

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