Nuclear Lifetimes, Transitions and Moments (NLTM2022)

February 1-3, 2022

Variable Energy Cyclotron Centre, Kolkata

(online platform)

Understanding the strong nuclear interaction is the fundamental quest with which the structures of nuclei are explored. Nuclear level lifetimes, transition moments and decay probabilities provide the direct insight in to the n-n interaction derived from the strong and electromagnetic forces acting among the nucleons. In recent times, the development and use of the state-of-the-art detector arrays and newer techniques for lifetime, transition moment, transition probability & beta decay measurements are of extreme interest in experimental nuclear structure studies through gamma ray spectroscopy.

A theme meeting , dedicated to the PAST, PRESENT and FUTURE of nuclear structure studies with lifetimes, transitions, moments and beta decays, has been organized to discuss physics issues, developmental aspects and relevant techniques along with the future perspectives.

Faculties, post doctoral fellows, students, interested researchers in the field are welcome to join.

Topics

- Nuclear Level lifetimes: Doppler Technique & Electronic Technique
- Nuclear Transition moments
- Beta decay in Nuclear structure
- Theory of Lifetimes, Transitions and Moments
- Instrumentation & Technique

Advisory Committee

Dr. Alam J, VECC
Dr. Bhattacharya C, VECC
Dr. Chamoli S, DU
Dr. Chattopadhyay S, SINP
Dr. Ghugre S. S, UGC-DAE-CSR-Kolkata
Dr. Mazumdar I, TIFR
Dr. Muralithar S, IUAC
Dr. Naik V, VECC
Dr. Santra S, BARC
Dr. Som S, VECC (Chair)

Organizing Committee

Dr. Banerjee D, BARC
Dr. Bhattacharjee T, VECC (Convener)
Dr. Bhattacharyya S, VECC
Dr. Das P, VECC
Dr. Pandit D, VECC
Shri Purkait M, VECC
Dr. Raut R, UGC-DAE-CSR-Kolkata
Dr. Tandel S, CBS, UM-DAE

Contact: Dr. Tumpa Bhattacharjee, VECC, Kolkata (Convener)
Email: nltm_vecc@vecc.gov.in
Telephone: +91-33-2318-3219, Fax: +91-33-2334-6871
Details: https://events.vecc.gov.in/e/NLTM2022