

# VECC NEWSLETTER

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Chamber(MuCh) System for the Compressed Baryonic Matter Experiment at FAIR, achieved the **Best Poster Award** for his contribution entitled “Preliminary test results of real size GEM modules in nucleus-nucleus collisions at mCBM campaign 2022”, in the 66<sup>th</sup> DAE



Nuclear Physics Symposium, held from 01-05 December, 2022 at Cotton University, Guwahati, India.

**Dr. Sushant Kumar Singh**, Scientific Officer (E) in the Physics Group, VECC, was awarded the C. V. K. Baba Award of Indian Physics Association (IPA) for the **Best PhD Thesis** on "Hydrodynamical Modeling of QCD Fluid with Critical Point in the Equation of State" at the recently concluded 66<sup>th</sup>



DAE-BRNS Symposium on Nuclear Physics 2022, held at Cotton University, Guwahati, during December 1-5, 2022. The award was instituted by IPA in the name of Prof. C. V. K. Baba, one of the most renowned nuclear physicist of India.

**Dr. Pratap Roy** of the Experimental Nuclear Physics Division, Physics Group, VECC, Kolkata has been awarded the **Young Achiever Award 2022** by the organizing committee of the DAE symposium on

Nuclear Physics (**snp2022**) for his excellent contribution to the field of “Nuclear Level Density and Thermodynamics”. Dr. Roy has been a key person in executing a detailed experimental program at VECC to understand the statistical and thermal properties of atomic nuclei. Some of the remarkable works of Dr. Roy in these areas include: providing experimental signatures of a pairing-phase transition, evidence for the reduction of nuclear level density (NLD) away from  $\beta$ -stability,



observation of collective enhancement and its fadeout in NLD etc. Some of these results have profound implications for nuclear structure and nuclear astrophysics. Dr. Roy has also played a significant role in the design, and development of fast neutron detectors for the time-of-flight (TOF) array at VECC and MONSTER (**Modular Neutron Spectrometer**) array at FAIR.

**Dr. Shreyasi Acharya**, who completed her Ph.D. from the EHEP&A group of VECC (HBNI) in Dec 2021 under the supervision of Prof. Subhasis Chattopadhyay has been awarded with the **ALICE Thesis Award - 2022**, for her thesis entitled "Multiparticle production in proton-proton collisions at the LHC energies", by the international ALICE

