

Bidhannagar College
Department of Physics
Sector-1, EB-II, Salt Lake City, Kolkata-64

Date : 21st August, 2020

NOTICE

Ref. No. Phy/web/01/2020

Department of Physics with IQAC of Bidhannagar College will organize jointly a One Day National Webinar on **“OUR COSMIC CONNECTIONS” ON 29th August, 2020 at 5 p.m.** via digital platform - **Google Meet.**

Professor Rajdeep Chatterjee, an eminent Scientist, Department of Physics, **IIT, ROORKEE**, will deliver a talk on the above mentioned topic on the occasion.

Dr. Madhumita Manna, Principal, Bidhannagar College, is the **Chief Patron** of this Seminar. **Dr, Bharati Mukhopadhyay**, Associate Professor, Department of Botany and Co-ordinator, IQAC, Bidhannagar College will act as the Organising Secretary. **Dr. Arun Kumar Jana**, Associate Professor and Head, Department of Physics is the Convenor.

All faculty members, students of this College and interested persons from outside are requested to attend the webinar Programme.

The link for joining the Webinar through online mode is : <https://meet.google.com/kgq-sczv-urn>.

Sd/-
Principal
Bidhannagar College

Sd/-
Head, Department Of Physics
Bidhannagar College

National Webinar of Physics Department, 2020 – A Report

Department of Physics and IQAC, Bidhannagar College, Salt Lake, Kolkata, West Bengal jointly organized **one-day National Webinar** on ‘Our Cosmic Connections’ on **29.08.2020** from **5.00 PM to 6.35 PM**.

The Speaker: Prof. Rajdeep Chatterjee, Department of Physics, Indian Institute of Technology Roorkee, Uttarakhand.

Around 100 students and faculty members registered themselves for this seminar and participated in it.

Subject matter of the Seminar: What is the origin of matter which we see around us? How it all was created? These are questions that have puzzled us since time immemorial. A quantitative direction to this problem came when it was realized that it was low energy nuclear reactions which were primarily responsible for the creation and transmutation of elements in stars. In his talk, the speaker took us into the enchanting realm of nuclear astrophysics to review our present understanding of the abundance of elements in the universe.

This fascinating presentation also took us into the world of exotic nuclei very close to the drip lines (the limit of neutron or proton binding) which exhibit quite different behaviour than those of the stable isotopes. Understanding of their structure and reactions induced by them play a key role in the entire process of build-up of this universe.