



Special Lecture # 3

Vigyan Vidushi 2022 (Physics)

22 July 2022 @ 6.00 pm IST (Venue: NIUS G4, HBCSE)



The paradigm of particle physics

How do we understand the interaction of particles at the fundamental level? How do we understand their properties? The talk shall focus on fundamental particles and their interactions and the modern understanding of how we understand the particles and their interactions as a unified whole.

CMS Collaboration

Prof. D. Indumathi
IMSc, Chennai



Indumathi is a particle physicist and a professor at the Institute of Mathematical Sciences (IMSc), Chennai. Indumathi's primary area of research is high energy physics phenomenology. Her research interests include work on atmospheric and solar neutrinos, nucleon and nuclear structure functions. She has been one of the leaders of the proposed India-based Neutrino Observatory (INO) project, and has played an important role in understanding the physics potential of the iron calorimeter (ICAL) detector to be hosted in INO. She has been passionate about encouraging young students to do science, and promoting diversity in science.

VV 2022: vv.hbcse.tifr.res.in

<https://youtu.be/4t0q-iHRpnc>

