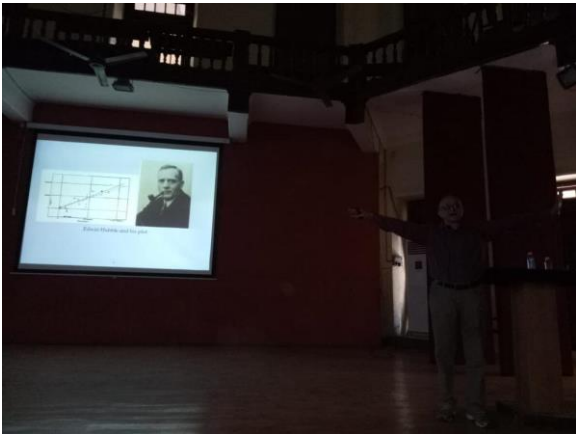


Invited talk on “Multi messenger View: Perspective and New Prospects in Cosmology”

Date: 10-01-2019

Participants: 355

Prof. Urjit A. Yajnik, Department of Physics, IIT Mumbai, Mumbai






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 <p>Speaker Prof. Urjit A. Yajnik Professor Physics Department IIT Bombay</p> <hr/> <p>Time 11:00 AM</p> <hr/> <p>Date 10th January, 2019 Thursday</p> <hr/> <p>Venue Sir P. T. Sarvajani College of Science, Surat.</p>	 <p>Sir P. T. Sarvajani College of Science</p> <p>Physics Club</p> <p>Cordially invites you to the Public Lecture</p> <p>“Multimessenger View: Perspective and New Prospects in Cosmology”</p> <p>Abstract</p> <p>A large number of novel high energy objects and events have been identified in Astrophysics over just the past few decades. To localise them in the sky and to characterise them, we need to capture them in the visible, X-ray and UV signals as also through neutrino and gravitational wave signals. A large number of new class of detection and observation facilities have started and are being designed, creating opportunities in cutting edge technologies.</p>	 <p>Speaker Prof. Urjit A. Yajnik Professor Physics Department IIT Bombay</p> <hr/> <p>Time 11:00 AM</p> <hr/> <p>Date 10th January, 2019 Thursday</p> <hr/> <p>Venue Sir P. T. Sarvajani College of Science, Surat.</p>	<p>BIODATA</p> <ul style="list-style-type: none">Prof. Urjit A Yajnik obtained 5-year integrated Masters in Physics from IIT Bombay and PhD in physics from the University of Texas at Austin in 1986. After post-doctoral positions at Austin Texas and TIFR, he has been on the faculty of IIT Bombay since 1989. Currently he is Convener of the Centre for Advanced Study at IIT Bombay.His research interests are unified theories, supersymmetry, general theory of relativity and cosmology. He has been a visiting professor at McGill University and the University de Montreal Canada, and University of California Irvine, USA. He has been a visitor to ICTP Trieste, Italy and Perimeter Institute, Canada.He was the founder Dean of IIT Gandhinagar, in charge of Academic Affairs and Student Affairs and later Dean of Student Affairs at IIT Bombay.He has worked as a resource person for learner centred middle school science programs at Eklavya Hoshangabad M.P. and for at Gandhi Vidyapith, Vedcchi, Gujarat.
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Brief Report:

Cosmology, one of the branches of Astrophysics, has always attracted the mass of students and has been like a hot cake for them. They are quite eager to listen to the talk on Cosmology and related topic. Prof. Urjit A. Yajnik in this talk described the techniques used to locate the events occurring in the universe and simultaneously the measurement that are done at that time in his own style. Thanks to the technological advancements and innovations, now-a-days, it has been possible to have more than one measurements of an event through different probes. Such techniques always help to reveal the greater depths of the events. Finally, he mentioned the areas related to Cosmology in which good amount of research is being done. There was an overwhelming response from the students which was reflected in the question-answer session and even one-to-one interaction with the students.