S N BOSE NATIONAL CENTRE
FOR BASIC SCIENCES
Block JD, Sector III, Salt Lake, Kolkata 700 106

DEPARTMENTAL SEMINAR
Department of Astrophysics and High Energy Physics

17th November,2022   11.30 AM   ONLINE/ FERMION

SPEAKER

Prof. NARESH DADHICH,
A theoretical physicist, formerly at Inter-University Center
for Astronomy and Astrophysics. Former director of IUCAA

TITLE OF THE TALK

On the Buchdahl stars

ABSTRACT

The Buchdahl star and black hole are respectively defined by the gravitational potential, $\Phi(r) = 4/9, 1/2$, in the exterior spacetime without reference to the interior distribution at all. We would further show that the Buchdahl star star is defined when the total energy of the star is equal to $3/2 M$.

HOST FACULTY
Prof. A. Lahiri & Dr. S. Gangopadhyay
ASTROPHYSICS AND HIGH ENERGY PHYSICS
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