



SPECIAL COLLOQUIUM

7TH AUGUST, 2017 | SILVER JUBILEE HALL

SPEAKER

Professor N. Mukunda
Centre for High Energy Physics, IISc, Bangalore
Honorary Professor at IISER, Thiruvananthapuram

PROGRAMME

- 11:00 – 11:20 : Tea
- 11:20 – 11:30 : Welcome Address by Prof. Samit Kumar Ray, *Director*
- : Introduction to the Speaker by Prof. Rabin Banerjee, *Dean (Faculty)*
- 11:30 – 12:30 : Lecture by Prof. N. Mukunda

TITLE

Pancharatnam, Bargmann and Berry phases - a retrospective

ABSTRACT

The work of Pancharatnam in classical polarization optics, of Wigner and Bargmann on the representation of symmetry operations in quantum mechanics, and of Berry in adiabatic cyclic quantum evolution, will be described from a historical perspective. The interconnections among the three sets of ideas will be highlighted. Later important developments, including contributions from India, will be presented.