

### Area Seminar

Title	The magic of earth matter effects in neutrino propagation
Date and Time	16/09/2010 16:00:00
Speaker	Dr. Srubabati Goswami Professor Physical Research Laboratory, Ahmedabad
Area	Theoretical Physics
Venue	Room No. 469
Abstract	In this talk I will consider propagation of neutrinos through earth's matter and will explain some salient features of this. Specifically I will discuss the baseline 7500 km which is known as the magic baseline. I will also discuss another recently proposed baseline (2540km) which is called the bi-magic baseline. I will show the constraints that can be obtained on neutrino oscillation parameters with a 2540 km neutrino factory experiment.