

## **ASTRONOMY SEMINAR**

June 1, 2011

Speaker : Sunder Sahayanathan  
Astrophysical Sciences Division, BARC-Mumbai

Title : Blazars at GeV/TeV energies

Day, Date & Time : June 7, 2011 (Tuesday) at 1600 hrs

Venue : Lecture Theatre (AG-66)

(A. Gopakumar)

### ***Abstract***

*Blazars are the class of AGN with their relativistic jet pointed towards the observer. With the help of earlier low sensitivity gamma-ray experiments, around 60 blazars were studied at gamma-ray energies. Presently the on board gamma-ray telescope Fermi and second generation imaging atmospheric Cherenkov telescopes studied more than 600 blazars at gamma-ray energies. These findings along with simultaneous observations in other wavelength challenge our present understanding about these sources. In this talk I will speak about the results obtained from the earlier experiments and the problems faced by the simple theoretical models to explain the new observations.*