NITheP cordially invites you to a seminar by:

Prof. Sibasish Ghosh
Institute of Mathematical Sciences in Chennai (India)

Date: Tuesday, 31st July 2012
Time: 14h15 – 15h15
Venue: NITheP Seminar Room, H-Block, 3rd Floor

Title: Complementarity principle and nonlocality in quantum mechanics

Abstract:

Attempts have been taken to explain the degree of nonlocality of quantum mechanics from various principles. Recently it has been shown that a particular form of uncertainty principle could explain the degree of nonlocality in quantum mechanics. Here we show, in a similar way, that complementarity principle can also play a similar role in determining the degree of nonlocality of quantum mechanics as well as for more general non-signaling theories.

This is a joint work with M. Banik, MD. R. Gazi and G. Kar (arXiv:1206.6054)

Tea/coffee & biscuits will be served after the talk