

### Area Seminar

Title Two zero mass matrices and sterile neutrinos

Date and Time 11/06/2012 16:00:00

Speaker Monojit Ghosh

Physical Research Laboratory, Ahmedabad

Area Theoretical Physics

Venue Room No. 469

Abstract The complex Majorana neutrino mass matrix in 3 generation contains 9 parameters, all of which can not be determined experimentally. So it is proposed that it may have several zeros. According to the current data, among the possible 15 two zero's, only 7 are allowed. Now in the context of one extra sterile neutrino we tried to look what will happen to those disallowed textures. This can have significant impact on model building with sterile neutrinos.