Tata Institute of Fundamental Research
Survey No. 36/P, Gopanpally Village, Serilingampally, Ranga Reddy Dist., Hyderabad – 500 046

Students' Annual Webinar

Experimental time saving for assignment and restraints at fast MAS

Sahil R

The chemical shift assignment is the first step for structure calculations by NMR, followed by obtaining sufficient distance restraints. The assignments and restraints usually require 3-6 different sets of spectra which makes the processing time intensive. In the talk, I will present the pulse programs to acquire multiple experiments in a single experiment (multiple acquisitions). The pulse programs for backbone, side-chain assignment and restraints measurement will be discussed. I will also discuss the different recoupling sequences which can be used with these experiments.

Friday, Apr 22nd 2022

11:30 AM