SCHEDULE

InPTA
Indian Pulsar Timing Array

ZOOM LINK FOR ALL SESSIONS*

Click here for the Github Repo**

Jupyter notebooks, SOP for pre-requisite installation, data files for analysis, etc can be found in the repo

All participants are requested to follow the SOP and install all prerequisites and keep all the data downloaded before the tutorials, any issues can be addressed on the 29th July session

STUDENT WEEK 2022

29 JULY

1900 IST

OPTIONAL SPECIAL SESSION ON ISSUES IN PREREQUISITE INSTALLATIONS

AMAN SRIVASTAVA, NEEL KOLHE, PIIYUSH MARMAT, AVINASH KUMAR PALADI

30 JULY

0900 HRS IST

WELCOME REMARKS

0910 HRS IST

INTRODUCTION TO LINUX, COMMAND LINES AND CYBER INFRASTRUCTURE

SHANTANU DESAI

0940 HRS IST

INTRODUCTION TO PULSAR ASTRONOMY AND INPTA

BHAL CHANDRA JOSHI

1040 HRS IST

OBSERVATIONS WITH THE UGMRT

PRABHU THIAGRAJ

1130 HRS IST

UGMRT DATA REDUCTION PIPELINE-PINTA

AVINASH KUMAR PALADI, SHINNOSUKE HISANO, NEEL KOLHE

31 JULY

0900 HRS IST

BASICS OF PULSAR TIMING

MANJARI BAGCHI

0950 HRS IST

WORKING WITH PSRCHIVE AND ITS PYTHON INTERFACE

LANKESHWAR DEY

1120 HRS IST

PULSAR TIMING WITH TEMPO2

JAIKHOMBA SINGHA

*note that all sessions begin at 0900 HRS IST other than the 2 special sessions in green

** All the files on github will be available on 28th July 2022

SCHEDULE

InPTA
Indian Pulsar Timing Array

STUDENT WEEK 2022

06 AUGUST

0900 HRS IST

DETECTING GWS USING PTAS

ACHAMVEEDU GOPAKUMAR

0950 HRS IST

WIDEBAND TECHNIQUE

PRERNA RANA, NOBLESON KUNJAPPY, AVINASH KUMAR PALADI

1120 HRS IST

DMCALC - NARROWBAND DM AND TOA ESTIMATION

KRISHNAKUMAR AMBALAPPAT, PRATIK TARAFDAR

07 AUGUST

0900 HRS IST

INTRODUCTION TO BAYESIAN ANALYSIS

SHANTANU DESAI

0950 HRS IST

SINGLE PULSAR NOISE ANALYSIS

ABHIMANYU SUSOBHANAN

1120 HRS IST

AN INTRODUCTION TO PINT

SAI CHAITANYA SUSARLA

1250 HRS IST

CLOSING REMARKS

14 AUGUST

1600 HRS IST

SPECIAL GMRT OBSERVATION SESSION

BHAL CHANDRA JOSHI, PIYUSH MARMAT, SHANTANU DESAI

Organisers:

Aman Srivastava **Avinash Kumar Paladi** **Neel Kolhe** **Piyush Marmat**