

Welcome

Introduction

The HSF-India project aims to promote the development of international research software collaborations. This is the second in a series of training workshops for software and data analysis skills essential for doing research software in physics. Our curriculum builds upon the successful series of training workshops.

This workshop will cover

- Scientific Python
- Parallel programming and GPUs
- Basics of machine learning
- Simulation techniques in HEP

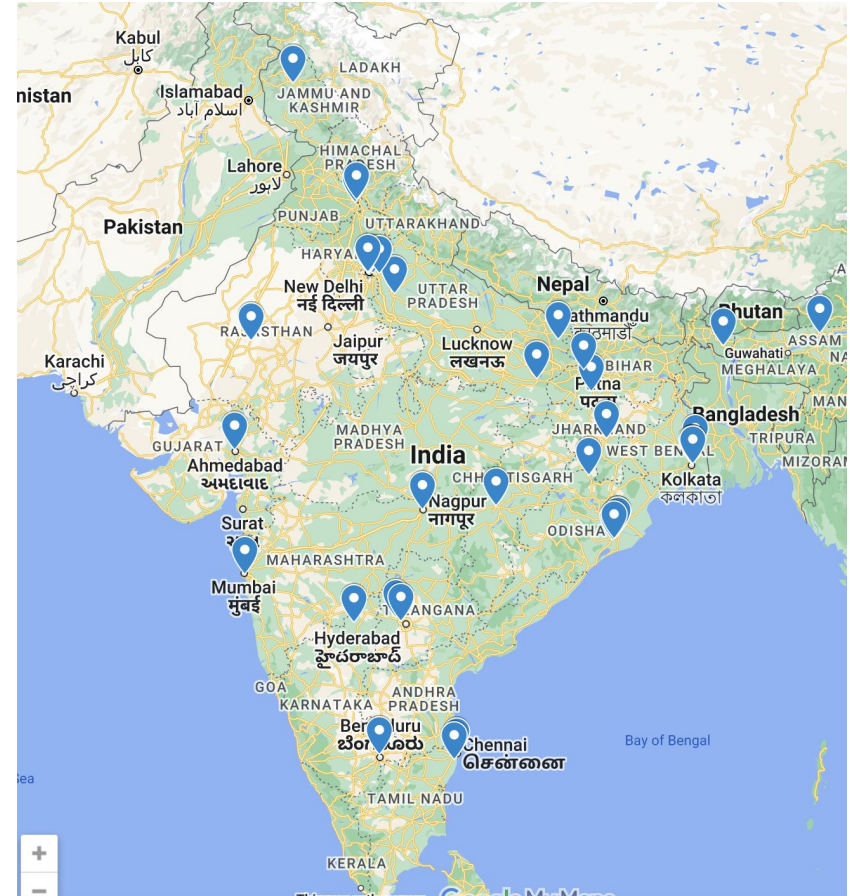
Thanks for coming to NISER

Many local/regional attendees, but students from all over India

Almost everyone is studying Physics, but many different experimental and phenomenological backgrounds.

Most Phd or end of (integrated) masters program students

Variety of expertise and backgrounds in software and analysis



Instructors this week

Verena

Jim

Gordon (Coming later today)

Sunanda (Coming tomorrow)

Rafael

Charis (Coming later today)

David

Peter

Please join the Slack if you did not already

https://join.slack.com/t/hsf-india-niser2023/shared_invite/zt-28k9h2gz5-WFUa2Dn1Rvben8jfZJtCkA

Feel free to use it for any discussions this week. (to ask questions, organize gatherings, etc)

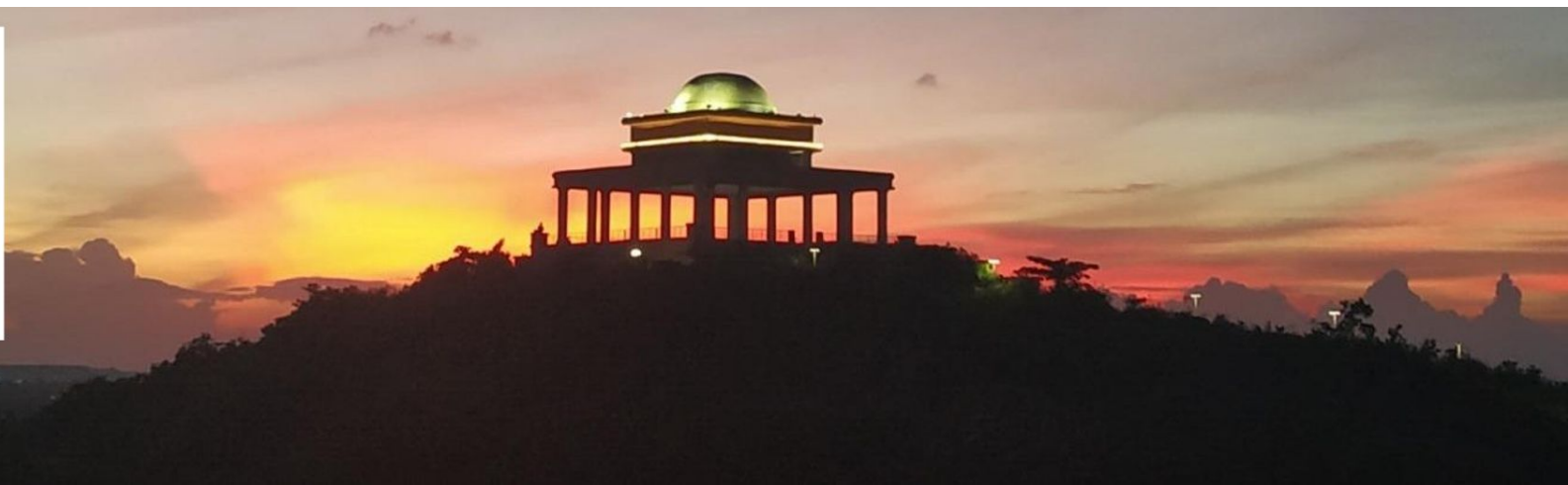
Computing infrastructure

To avoid having to set up software on everyone's laptop, we will use a dedicated cluster at the University of Chicago

- This does mean we are dependent on the wifi network, but otherwise should give a consistent experience for everyone
- Since we are more than originally planned, we may find scaling problems, but let's find out later today:)

More about this later

Thank you to NISER for hosting all of us



Scientific Organizing committee

- Amitabhi Lahiri, SNBNCBS
 - Aruna Nayak, IOP
 - David Lange, Princeton
 - Peter Elmer, Princeton
 - Pratik Majumdar, SINP
 - Prolay Kumar Mal, NISER
 - Rafael Coelho Lopes De Sa, UMass
 - Sanjay Kumar Swain, NISER
 - Satyaki Bhattacharya, SINP
 - Subir Sarkar, SINP
 - Suchandra Dutta, SINP
 - Sunanda Banerjee, UW-Madison
- Verena ingrid Martinez Outschoorn, UMass