

Workshop on Data Handling and Requisite Tools

Department of Physics, Panjab University, Chandigarh

29 - 30 August, 2022

Mode: Online

(Google Meet: <https://meet.google.com/xwb-uczi-hub>)

Day 1 (10:00 - 17:00)

1. Opening Remarks (5 min)

2. **Introduction to Data** (1hr:30m)

Break (Virtual Tea)

3. **First Look at Data** (1hr:30m)

Lunch (at respective places)

4. **Data Crunching - What all is needed?** (1hr:30m)

Break (Virtual Coffee now)

5. **Introduction to Out-of-Box Tools for Data Handling**

Day 2 (10:00 - 17:00)

1. Summary of Day 1 (**10 min**)

2. **Specialized Tools - Use case CERN's ROOT (Dr. Maitreyee Mukherjee)**

Break

3. **DIY - Tools**

Lunch

4. **Smart Age Tools - AI, ML/DL (Dr. Richa Sharma)**

Break

5. **Use Case - Image Based Data (Dr. Richa Sharma)**

Summary and Conclusions

Co-conveners: Prof. Vipin Bhatnagar, Dr. Sushil S. Chauhan