SIXTE Workflow and Practical Sessions

The SIXTE Team – Remeis Observatory

Sixte Workshop   —   March 2022

Simput & Sixte → Workflow

(1) Preparation of the input of the simulation: `simputfile`
- Source definition
  - Point or extended sources
  - Time variability
  - Large catalogs of astronomical sources

(2) Running the simulation: `runsixt`
- Simulation for certain detector setups and exposure
- Output: one or multiple standard FITS event files

(3) Analyzing the simulation: `imgev, makespec, makelc`
- Creating spectra and images from event files
- Data analysis depends on the simulation
- SIXTE data products are compatible with common X-ray data analysis software -> use your favorite!

Practical sessions → Gather Town

- Today → Getting started, first example simulations

- Tomorrow → SIXTE workflow exercise and WFI

- Thursday → X-IFU

- GatherTown
  - Group with up to 4 people → "Sit" together at one desk to work together
  - Carpets mark private spaces → Only people on the same carpet can hear you!
  - Questions? → Raise your hand virtually (find this in emoticons)
    - We will walk to the same carpet and help you
  - When you are at your desk → Press "x" to join zoom meeting