



## **ASI School on IXPE data analysis for General Observers Preliminary program**

February 19-23, 2024

### **February 19<sup>th</sup> - Monday**

- 9:00-9:30 – Introduction on the IXPE School (I. Donnarumma)
- 9:30-11:00 – Overview on the IXPE satellite and detectors on board (P. Soffitta)
- 11:00-11:30 – Coffee break
- 11:30-13:00 – X-ray polarimetry: galactic compact objects (G. Matt)
- 13:00-14:00 – Lunch break
- 14:00-15:00 – X-ray polarimetry: extra-galactic compact objects (F. Ursini)
- 15:00-16:00 – X-ray polarimetry: extended sources (N. Bucciantini)
- 16:00-16:30 – Coffee break
- 16:30-17:30 – X-ray polarimetry: highly magnetized sources (R. Taverna)
- 17:30-18:00 – Q&A

### **February 20<sup>th</sup> – Tuesday**

- 9:30-11:00 – Statistics of X-ray polarimetry (F. Muleri)
- 11:00-11:30 – Coffee break
- 11:30-13:00 – X-ray data, archives and software (S. Puccetti)
- 13:00-14:00 – Lunch break
- 14:00-15:00 – Background subtraction with IXPE (A. Di Marco)
- 15:00-16:00 – The IXPEOBSSIM software suite: data analysis tools (L. Baldini)
- 16:00-16:30 – Coffee break
- 16:30-17:30 – The IXPEOBSSIM software suite: data analysis tools (L. Baldini)
- 17:30-18:00 – Q&A

### **February 21<sup>st</sup> - Wednesday**

- 9:30-11:00 – Analysis of a point-like source (A. Marinucci)
- 11:00-11:30 – Coffee break
- 11:30-13:00 – Analysis of a point-like source: hands-on (A. Marinucci)



13:00-14:00 – Lunch break

14:00-15:30 – Analysis of an extended source (R. Ferrazzoli)

15:30-16:00 – Coffee break

16:00-17:30 – Analysis of an extended source: hands-on (R. Ferrazzoli)

17:30-18:00 – Q&A

### **February 22<sup>nd</sup> - Thursday**

9:30-11:00 – Analysis of a time-variable source (M. Bachetti)

11:00-11:30 – Coffee break

11:30-13:00 – Analysis of a time-variable source: hands-on (M. Bachetti)

13:00-14:00 – Lunch break

14:00-15:30 – Multi-instrument analysis: IXPE+XMM+NuSTAR (L. Di Gesu)

15:30-16:00 – Coffee break

16:00-17:30 – Multi-instrument analysis: hands-on (L. Di Gesu)

17:30-18:00 – Q&A

### **February 23<sup>rd</sup> - Friday**

9:30-11:00 – Simulations of synthetic IXPE data

11:00-11:30 – Coffee break

11:30-12:45 – Simulations of synthetic IXPE data

12:45-13:00 – Wrap-up and conclusions (I. Donnarumma)

13:00-14:00 – Lunch break