WG1 COST NanoSpace JWST Training School

Report

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Summary

We are pleased to welcome you to the "**COST NanoSpace JWST Training School**" that took place (in hybrid format; both on-site and on-line) at the IACTEC in Tenerife, Spain from 19th to 22nd June 2023. This was the first Training School of this COST Action - under the framework of the Working Group 1 "The cosmic inventory of nanocarbons (nC)" - and has marked the start-up of the interdisciplinary Action training program. This Training School provides Action participants and young researchers the tools on data analysis and proposals preparation for the exploitation of the unprecedent astronomical data from the James Webb Space Telescope (JWST).

The COST NanoSpace JWST Training School provides specific training to reduce JWST imaging and spectroscopic data, with focus on the mid-infrared spectral range. Attendees get acquainted with the pipeline architecture and data models and run a set of hands-on exercises, especially using JWST/MIRI data. These are designed to cover specific science cases, demonstrate calibration challenges and how to solve them. The programme is mostly focus on spectroscopy, but also demonstrate imaging data reduction as well as the tools for proposals preparation.

During the four training school days, we have ~20 lectures and 10 practical sessions. We sincerely hope that this first COST NanoSpace Training School is an excellent starting point to provide young researchers with valuable translational skills as well as to increase the success rate of access to top-level astronomical user infrastructures such the JWST.

We hope that you enjoy the programme, both lecture and exercises sessions.

Domingo Anibal García Hernández (Action Chair) and the Local Organizing Committee.

Attendance

The "**COST NanoSpace JWST Training School**" was in hybrid format (both on-site and on-line) at the IACTEC in Tenerife, Spain from 19th to 22nd June 2023. There were 146 trainees registered; 63 trainees in person and 83 trainees on-line. In practice, we had an average of ~30-40 trainees on-line per day.

Training School Website

All the relevant information such as motivation, programme, venue, participants as well as detailed instructions for the preparations before the Training School can be found in the website of the "**COST NanoSpace JWST Training School**" at:

https://meetings.iac.es/jwstworkshop2023/pages/en/motivation.php

Training School Materials

All the training materials (programme, slides, exercises, session recordings, and school pictures) related with the COST NanoSpace JWST Training School can be found at the IAC Cloud at:

https://cloud.iac.es/index.php/s/eqErrD5MY2AL428

There are five folders:

* Programme: containing the 4 days school programme in pdf and png formats.

https://cloud.iac.es/index.php/s/ockTP7T5ASZtgjB

* Slides: containing all the presentation slides organized by school day (day 1 to 4).

https://cloud.iac.es/index.php/s/DXzaMXNt5tYp5FP

* Exercises: containing all the materials for the exercises (notebooks, data, calibration files, etc.) depending on the school day.

https://cloud.iac.es/index.php/s/E7XybJ7tiLMGt2a

* Recordings: containing all the zoom recordings we could make during the school organized by day (day 1 to 4).

https://cloud.iac.es/index.php/s/PKkyaEsZ3KMEQS9

* Pictures: containing a selection of pictures taken during the school (group photo, venue, dinner, IACTEC visits, etc.).

https://cloud.iac.es/index.php/s/YBkwyjPDmGTbqZ8