Report on the outcomes of a presentation and participation -

Young Researcher and Innovator Conference[1]

Action number:

Grantee name:

Conference Details

Conference title: Dynamics of Electrons in Atomic and Molecular Nanoclusters

Conference web-page: https://dornsife.usc.edu/deamn25/

Conference venue[2]: Ettore Majorana Foundation and Centre for Scientific Culture, Erice, Italy

Conference start and end date: 21/05/2025 to 27/05/2025

Accepted contribution details

Title of the presentation: Far-infrared spectroscopy of gas-phase neutral molecules for astrochemistry research

Type of the presentation: Oral

Co-authors: None

Other details of the presentation: None

Outcome of the conference participation

The conference lead to vivid discussions about the research possibilities my user station at HFML-FELIX can offer to the community of molecular beam physicists, chemists and astrochemists. In particular, during my talk I discussed the use of infrared spectroscopy in combination to JWST observations to identify molecules in the interstellar medium. People in the audience came with ideas of interesting systems to investigate in this respect, include special hydrocarbon molecules and sulfur-oxide clusters. Moreover, part of my talk was devoted to the study of the dynamics of weakly bound complexes, such as neutral PAH-water clusters. People were very interested in this topic, proposing follow up research focusing on novel chiral species. Definitely my participation in this conference will lead to interesting collaborations.

Acknowledgement of inclusion of necessary supporting documents to claim the grant

I confirm that the following documents have been uploaded on e-COST as an integral part of this report:

- the certificate of conference attendance.

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[1] This report is submitted by the grantee to the Action MC for approval and for claiming payment of the awarded grant. The Grant Awarding Coordinator coordinates the evaluation of this report on behalf of the Action MC and instructs the GH for payment of the Grant.
[2] For an online conference, specify virtual participation; for hybrid conferences, specify whether it is an in-person or virtual participation.

- the programme of the conference or book of abstracts / proceedings indicating the presentation (oral or poster) of the grantee.

- copy of the given presentation (oral or poster).