

# Neutrinos y Materia Oscura en Colombia

NeMO-C 2025

UPTC, Tunja, Colombia

16<sup>th</sup> – 18<sup>th</sup> July 2025



We are eager to let you know that we are having the second version of the workshop *Neutrinos y Materia Oscura en Colombia, NeMO-C!*

The **NeMO-C 2025** workshop will be held from 16<sup>th</sup> to 18<sup>th</sup> of July, 2025, in Tunja, Colombia. With a broader audience and scientific topics, the goal of the meeting is to provide an opportunity to discuss various aspects of Neutrino and Dark Matter physics, like

- Dark Matter direct and indirect detection
- Dark Matter production in Laboratory
- N-body simulations
- Neutrino oscillations: Theory, Phenomenology, Experimental
- Neutrino interactions and Cross-sections
- Neutrino Masses and Mixing, CP Violation
- Beyond SM and Exotic Physics with Neutrinos
- Neutrinos in Nuclear Physics, Astrophysics and Cosmology
- Connection with Cosmology and Astrophysics

As you may know, our community is a growing, active and diverse one, and people are working on a variety of theoretical and experimental aspects of dark matter and neutrinos. Hence, a broad approach to these areas of research is necessary given the nature of the challenge.

We expect this event to provide a platform for maximizing interactions and creating new collaborations. Furthermore, we foresee several lightning talks on specific topics. These are meant to highlight individual and/or unusual ideas and can also help increase the visibility of younger scientists.

For more information, **registration, and abstract submission**, please visit the meeting website:

[https://indico.global/e/NeMO-C\\_2025](https://indico.global/e/NeMO-C_2025)

Important dates:

- Abstract submission deadline **June 6<sup>th</sup>, 2025**
- Registration deadline **June 13<sup>th</sup>, 2025**

Please feel free to contact us for any additional information. We look forward to hearing from you at your convenience.

## The Organizing Committee

Mario A. Acero Ortega	<a href="mailto:marioacero@mail.uniatlantico.edu.co">marioacero@mail.uniatlantico.edu.co</a>
Amalia Betancur	<a href="mailto:amalia.betancur@eia.edu.co">amalia.betancur@eia.edu.co</a>
Andrés Castillo	<a href="mailto:ancastillo42@uan.edu.co">ancastillo42@uan.edu.co</a>
Carlos Andrés Florez	<a href="mailto:ca.florez@uniandes.edu.co">ca.florez@uniandes.edu.co</a>
Deywis Moreno López	<a href="mailto:deymoreno@uan.edu.co">deymoreno@uan.edu.co</a>
David Vanegas Forero	<a href="mailto:dvanegas@udemedellin.edu.co">dvanegas@udemedellin.edu.co</a>
Carlos Yaguna (Host)	<a href="mailto:carlos.yaguna@uptc.edu.co">carlos.yaguna@uptc.edu.co</a>
Óscar Zapata	<a href="mailto:oalberto.zapata@udea.edu.co">oalberto.zapata@udea.edu.co</a>

