

Session Program

30 July 2026 to 5 August 2026

43rd International Conference on High Energy Physics

Plenaries

Natal Convention Center
Via Costeira Sen. Dinarte Medeiros Mariz, 6664-6704 - Ponta Negra, Natal - RN, 59090-002

Monday 3 August

09:00

Plenaries

Session |

Location: Natal Convention Center, Via Costeira Sen. Dinarte Medeiros Mariz, 6664-6704 - Ponta Negra, Natal - RN, 59090-002

09:00–09:25 **ATLAS highlights**

Speaker

Kerstin Tackmann

09:25–09:50 **CMS highlights**

Speaker

Andreas Meyer

09:50–10:15 **ALICE highlights**

Speaker

David Dobrigkeit Chinellato

10:15

10:45

Plenaries

Session |

Location: Natal Convention Center, Via Costeira Sen. Dinarte Medeiros Mariz, 6664-6704 - Ponta Negra, Natal - RN, 59090-002

10:45–11:10 **LHCb highlights**

Speaker

Patrick Robbe

11:10–11:35 **New results from electron-positron heavy flavor factories**

Speaker

Xiaodong Shi

11:35–12:00 **Theoretical developments in Higgs physics in SM and beyond**

Speaker

Carlos Wagner

12:00–12:25 **Higgs experimental highlights**

Speaker

Meng Xiao

12:25

14:00

Plenaries

Session |

Location: Natal Convention Center, Via Costeira Sen. Dinarte Medeiros Mariz, 6664-6704 - Ponta Negra, Natal - RN, 59090-002

14:00–14:25 **Recent developments in dark matter theory**

Speakers

Alejandro Ibarra, Alejandro Ibarra Sixto

14:25–14:50 **Dark matter searches**

Speaker

Cristiano Galbiati

14:50-15:15 Feebly interacting particles searches**Speaker**

Jonathan Lee Feng

15:15-15:40 Highlights from the Pierre Auger Observatory**Speakers**

Alberto Daniel Supanitsky, Dr Alberto Supanitsky

15:40

16:10

Plenaries**Session** |**Location:** Natal Convention Center, Via Costeira Sen. Dinarte Medeiros Mariz, 6664-6704 - Ponta Negra, Natal - RN, 59090-002**16:10-16:35 AMS Highlights****Speaker**

Andrei Kounine

16:35-17:00 New developments in multimessenger astrophysics**Speakers**

Miguel Mostafa, Prof. Miguel Mostafa

17:00-17:25 Observational cosmology: recent results and future prospects**Speakers**

Scott Dodelson, scott dodelson

17:25-17:50 Gravitational waves: recent results and future prospects**Speaker**

Marcelle Soares-Santos

17:50-18:40 Round table - High Energy Physics in Latin America**Speakers**

Prof. Ignacio De Bediaga Hickman, Rogerio Rosenfeld

18:40-19:05 Outreach

19:05

Tuesday 4 August

08:30

Plenaries

Session |

Location: Natal Convention Center, Via Costeira Sen. Dinarte Medeiros Mariz, 6664-6704 - Ponta Negra, Natal - RN, 59090-002

08:30–09:00

Neutrino theory: open questions and opportunities

Speakers

Andre De Gouvea, Andre De Gouvea, Andre de Gouvea

09:00–09:25

Neutrino properties from long baseline experiments

Speaker

Dr Stephen Dolan

09:25–09:50

Neutrino properties from short baseline experiments

Speaker

Zeyuan Yu

09:50

10:45

Plenaries

Session |

Location: Natal Convention Center, Via Costeira Sen. Dinarte Medeiros Mariz, 6664-6704 - Ponta Negra, Natal - RN, 59090-002

10:45–11:10

Recent results in neutrino mass and neutrinoless double beta decay

Speakers

Julieta Gruszko, Julieta Y Gruszko

11:10–11:35

Astrophysical and cosmological neutrinos

Speaker

Yvonne Wong

11:35–12:00

New initiatives on education and outreach in HEP

Speaker

Dr Kate Shaw

12:00–12:25

Diversity and equitable opportunities

Speaker

Flavia de Almeida Dias

12:25

14:00

Plenaries

Session |

Location: Natal Convention Center, Via Costeira Sen. Dinarte Medeiros Mariz, 6664-6704 - Ponta Negra, Natal - RN, 59090-002

14:00–14:25

New developments in detector technologies (including quantum sensing)

Speakers

Ettore Segreto, Ettore Segreto

14:25–14:50

Quantum information science in particle physics

	<p>Speakers Ying-Ying Li, Prof. Ying-Ying Li</p>
	<p>14:50–15:15 Technological spin-offs and industrial applications</p> <p>Speaker Antonio José Roque da Silva</p>
<p>15:40</p>	<p>15:15–15:40 Sustainability in HEP</p> <p>Speaker Juliette Alimena</p>
<p>16:10</p>	<p>Plenaries</p> <p>Session Location: Natal Convention Center, Via Costeira Sen. Dinarte Medeiros Mariz, 6664-6704 - Ponta Negra, Natal - RN, 59090-002</p> <p>16:10–16:35 Exploring the frontier: theoretical insights into new physics</p> <p>Speaker Fernando Quevedo</p> <p>16:35–17:00 New results on BSM searches at colliders</p> <p>Speaker Reina Coromoto Camacho Toro</p> <p>17:00–17:25 New developments in hadron physics</p> <p>Speakers Jose Pelaez, Jose R. Pelaez</p> <p>17:25–17:50 Top quark physics experimental highlights</p> <p>Speaker Marco Vanadia</p> <p>17:50–18:20 Report on the European Strategy on Particle Physics</p> <p>Speakers Hugh Montgomery, Hugh Montgomery</p>
<p>18:45</p>	

Wednesday 5 August

08:30

Plenaries

Session |

Location: Natal Convention Center, Via Costeira Sen. Dinarte Medeiros Mariz, 6664-6704 - Ponta Negra, Natal - RN, 59090-002

08:30–09:00

Present and approved accelerator facilities

Speaker

Mike Lamont

09:00–09:25

Directions in computing, software and data handling

Speakers

Harvey Newman, Harvey Newman

09:25–09:50

Advances in Machine Learning applications in HEP

Speaker

Philip Coleman Harris

09:50–10:15

Electroweak physics experimental highlights

Speaker

Yurii Maravin

10:15

10:45

Plenaries

Session |

Location: Natal Convention Center, Via Costeira Sen. Dinarte Medeiros Mariz, 6664-6704 - Ponta Negra, Natal - RN, 59090-002

10:45–11:10

Flavour physics: theoretical perspective

Speakers

Gino Isidori, Gino Isidori

11:10–11:35

Quark flavour physics experimental overview

Speaker

Carla Gobel Burlamaqui De Mello

11:35–12:00

Charged lepton flavor and EDM experiments

Speaker

Tsutomu Mibe

12:00–12:25

Theoretical developments in nonperturbative QCD

Speaker

Andreas Kronfeld

12:25

14:00

Plenaries

Session |

Location: Natal Convention Center, Via Costeira Sen. Dinarte Medeiros Mariz, 6664-6704 - Ponta Negra, Natal - RN, 59090-002

14:00–14:25

Recent theoretical developments in heavy-ion physics

Speaker

Dr Wilke Van Der Schee

14:25-14:50

Heavy-ion physics experimental highlights

Speaker

Fabrizio Grosa

14:50-15:15

New developments in formal aspects applied to HEP

Speakers

Alex Pomarol, Alex Pomarol, Alex Pomarol Clotet

15:15-15:40

High-energy QCD experimental highlights

Speaker

Michael Pitt

15:40