



# PHYSICS IN COLLISION

42nd International Conference on Physics in Collision

October 10 – 13, 2023 | Universidad de Tarapacá, Arica, Chile

# PIC2023

<https://indico.cern.ch/event/1190468/>

## Main Topics

Physics at the LHC  
Electroweak Physics  
Spectroscopy  
Flavour Physics  
Neutrino Physics  
Heavy Ion Physics  
Astroparticle Physics  
Dark Matter Searches  
Dark Sector  
Gravitational waves  
Cosmology

## International Advisory Committee

**Roy A. Briere** (Carnegie Mellon University, Pittsburgh, PA, U.S.)  
**Jean-Marie Brom** (Institut Pluridisciplinaire Hubert Curien, Strasbourg, France)  
**Pao-Ti Chang** (National Taiwan University, Taipei, Taiwan)  
**Su Dong** (Stanford Linear Accelerator Center, Menlo Park, CA, U.S.)  
**Elisabetta Gallo** (DESY, Hamburg, Germany)  
**Ulrich Heintz** (Brown University, Providence, RI, U.S.)  
**Sonia Kabana** (Universidad de Tarapacá, Arica, Chile)  
**Soo-Bong Kim** (Seoul National University, Seoul, Korea)  
**Michal Kreps** (University of Warwick, Coventry, UK)  
**Livia Ludhova** (Research Center Jülich and RWTH Aachen University, Germany)  
**Michal Marcisovsky** (Academy of Sciences of the Czech Republic)  
**Christos Markou** (NCSR Demokritos, Athens, Greece)  
**Thomas Müller** (Karlsruhe Institute of Technology, Germany)  
**Revaz Shanidze** (Tbilisi State University, Georgia)  
**Xiaoyan Shen** (Institute of High Energy Physics, Beijing, China)  
**Achim Stahl** (RWTH Aachen University, Aachen, Germany)  
**Bernd Stelzer** (Simon Fraser University and TRIUMF, British Columbia, Canada)  
**Yutaka Ushiroda** (KEK High Energy Accelerator Research Organization, Tsukuba, Japan)  
**Rüdiger Voss** (CERN, Geneva, Switzerland)  
**Yuji Yamazaki** (Kobe University, Japan)

## Organizing Committee

**Ahmed El Alaoui** (Universidad Tecnica Federico Santa Maria, Valparaiso, Chile)  
**Vipul Bairathi** (Instituto de Alta Investigación, Universidad de Tarapacá, Arica, Chile)  
**Larissa Bravina** (University of Oslo, Norway)  
**William Brooks** (Universidad Tecnica Federico Santa Maria, Valparaiso, Chile)  
**Rodrigo Ferrer** (Oficina de Investigación, Postgrado y Transferencia Tecnológica, Universidad de Tarapacá, Arica, Chile)  
**Sonia Kabana** (Instituto de Alta Investigación, Universidad de Tarapacá, Arica, Chile) (*chair*)  
**Boris Kopeliovich** (Universidad Tecnica Federico Santa Maria, Valparaiso, Chile)  
**Sergey Kovalenko** (Universidad Andres Bello and SAPHIR Millenium Institute, Santiago, Chile)  
**David Laroze** (Oficina del Director, Instituto de Alta Investigación, Universidad de Tarapacá, Arica, Chile)  
**Nicolas Neill** (Departamento de Ingeniería Eléctrica-Electrónica, Universidad de Tarapacá, Arica, Chile)  
**Irina Potashnikova** (Universidad Tecnica Federico Santa Maria, Valparaiso, Chile)  
**Ivan Schmidt** (Universidad Tecnica Federico Santa Maria, Valparaiso, Chile)  
**Shalini Thakur** (Instituto de Alta Investigación, Universidad de Tarapacá, Arica, Chile)  
**Oleksandr Vitiuk** (University of Wrocław, Wrocław, Poland)  
**Elizaveta Zhrebtsova** (University of Wrocław, Wrocław, Poland)

