



Valparaíso, 12 June 2017

HEP 2018 Conference Announcement

Dear Colleague,

The members of the Department of Physics and of the Centro Científico y Tecnológico de Valparaíso (CCTVAL) of the Universidad Técnica Federico Santa María (UTFSM) are pleased to invite you to the 7th International Conference on "High Energy Physics in the LHC Era", to be held from 8 to 12 January 2018 in Valparaíso, Chile. The Conference site will be the picturesque central campus of the UTFSM situated in front of the sea.

The goal of the Conference is to bring together young and senior scientists, theorists and experimentalists from all over the world to discuss recent progress in High Energy Physics. The program of the Conference will address a broad range of topics covering the main areas of high-energy particle physics, nuclear physics and related fields, such as:

- Physics of the Higgs boson, Neutrinos and Beyond the Standard Model.
- Astroparticle Physics,
- Dark Matter particle searches,
- Heavy Ion Physics,
- High-Energy and Non-perturbative QCD (Phenomenology of AdS/CFT, Lattice, etc...),
- Hadron Structure and Spectroscopy,
- Detectors & Instrumentations, including future Experiments and Facilities (ANDES, CTA, EIC, CLIC, etc...).
- And related fields...

We encourage presentations of physics results from experimental high energy and nuclear physics labs (CERN, JLAB, RHIC, DESY, Fermilab, etc.) and theory talks related to the physics areas covered by those facilities.

We cordially invite you to participate in the Conference and submit an abstract on any of the topics of the scientific program or related fields.

The location of the Conference offers its own unique backdrop. The lovely port of Valparaíso, a UNESCO World Heritage City, famous for its hills, the late 19th century architecture, and public elevators that lead to spectacular views of the bay. The neighbouring city of Viña del Mar offers long beaches and beautiful gardens.

More detailed information will be provided in a second circular later this year. For more information, about accommodation, registration and abstract submission, please visit the Conference website <https://indico.cern.ch/e/hep2018>

Please feel free to contact us for any additional information: hep-chile@usm.cl

We are looking forward to seeing you in Valparaíso !

The HEP 2018 local organizing Committee:

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William Brooks
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Carlos Contreras
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