

LCG Meeting
June 5th 2019



Conferences

Néstor Armesto

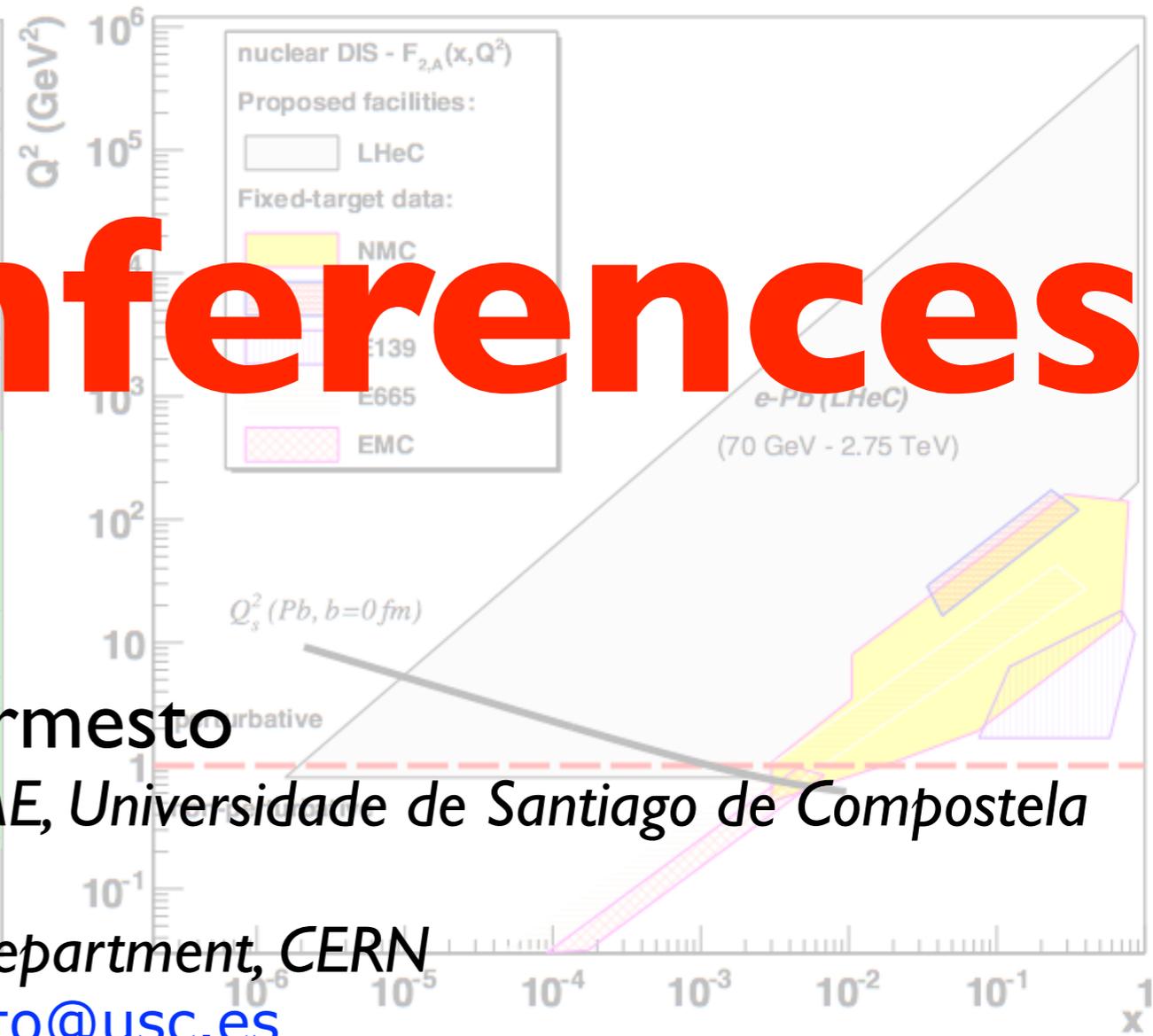
Instituto Galego de Física de Altas Enerxías IGFAE, Universidade de Santiago de Compostela

and

Theoretical Physics Department, CERN

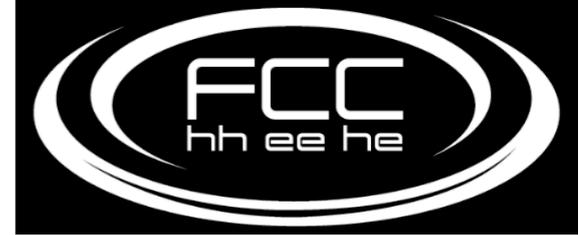
nestor.armesto@usc.es

for the LHeC/FCC-eh Study group, <http://cern.ch/lhec>





Physics at FCC:



overview of the Conceptual Design Report

CERN, March 4th-5th 2019

- **3 talks:**

1. *FCC-eh* - Oliver Brüning.
2. *Higgs & EW at FCC-eh* - Uta Klein.
3. *QCD physics at FCC* - Max Klein.

Torino, April 8th-12th 2019

- **9 talks in WG7:**

1. Detector - Paul Newman.
2. PERLE - Walid Kaabi.
3. Status and plans - Max Klein.
4. Precision QCD - Claire Gwenlan.
5. Diffraction (DPDFs) - Anna Stasto.
6. eA (nPDFs) - Néstor Armesto.
7. Higgs - Max Klein.
8. Top and EW - Daniel Britzger.
9. BSM - Oliver Fischer.

Plus presence in *Overview of physics possibilities at future DIS facilities* by Anna Stasto in WG7, in the plenary *From HERA to the future of DIS* by Rik Yoshida and in the *WG7 summary* by Matthew Wing.

CERN Council Open Symposium on the Update of European Strategy for Particle Physics

Granada, May 13th-16th 2019

- **3 talks** (2 in the Strong Interactions and 1 in Beyond the Standard Model at colliders sessions):
 1. *Strong interaction physics at future eA colliders* - Néstor Armesto.
 2. *Strong interaction physics at future ep colliders* - Uta Klein.
 3. *Supersymmetry: what we can expect from experiments* - Monica D'Onofrio.

Brussels, June 24th-28th 2019

- **FCC-eh Parallel Session** (1.5 h, Thursday 27th):
 1. Introduction and Physics - Max Klein, 20'.
 2. Status of Perle - Walid Kaabi, 20'.
 3. ERL and its Cost - Oliver Brüning, 20'.
 4. Interaction Region (Electrons) - Kevin Andre, 15'.
 5. Interaction Region (Protons) - Emilia Cruz, 15'.

- **6 talks:**

1. Status and plans (for Accelerators for HEP) - (tbd).
2. Precision QCD (for QCD and Hadronic Physics) - Amanda Cooper-Sarkar.
3. eA (for Heavy Ions Physics) - Anna Stasto.
4. Higgs (for Higgs Physics) - Uta Klein.
5. Top and EW (for Top and Electroweak Physics) - Christian Schwanenberger (tbc).
6. BSM (for Searches for New Physics) - (tbd).

Plus 2 posters:

1. Diffraction and small-x physics (for QCD and Hadronic Physics) - Anna Stasto.
2. Detector (for Detector R&D and Data Handling) - Peter Kostka (Max Klein).

Plus presence in the plenary *LHC collider status and future* by Oliver Brüning.

- **Initial Stages 2019** (Columbia University, NY, June 24th-28th 2019):
 1. *Precision QCD with the LHeC and the FCC-eh* (poster) - Fred Olness.
 2. *CERN perspective* (plenary) - Néstor Armesto.
- **QCD@LHC 2019** (Buffalo, NY, July 15th-19st 2019): talk on precision QCD - Claire Gwenlan.
- **Lepton-Photon 2019** (Toronto, August 5th-10th 2019): 1 poster on the project - David Curtin.
- **HiX 2019** (Kolympari, Crete, August 16th-21st 2019): talk on precision QCD - Claire Gwenlan.
- **POETIC 9** (LBNL, Berkeley, September 16th-21st 2019):
 1. Precision QCD - Fred Olness.
 2. Diffraction - Anna Stasto.
 3. eA - Néstor Armesto.
- **LHeC-FCC-eh Workshop.**