

Alejandro Celis

Invited seminars

- *Hints of lepton universality violation in B-meson decays*,
Central China Normal University, Wuhan, China, May 26, 2017.
- *Lepton universality violation in B-meson decays*,
HKUST Jockey Club Institute for Advanced Study, Kowloon, Hong Kong, May 11, 2017.
- *Linear and nonlinear electroweak effective Lagrangians*,
Institute for Theoretical Physics, University of Bern, Switzerland, January 18, 2017.
- *Flavored Higgs, axion and Z'*,
Technical University of Munich, Garching, Germany, January 18, 2016.
- *Anomalous Higgs couplings in Effective Field Theory*,
Lund University, Sweden, October, 2015.
- *Higgs mediated Lepton Flavour Violation*,
Universitat Autònoma de Barcelona, Barcelona, Spain. September 5, 2014.
- *Extended scalar sectors in the LHC era*,
Technical University Dortmund, Dortmund, Germany. June 12, 2014.
- *Lepton Flavor Violation in extended Higgs sectors*,
IFIC, Valencia, Spain. June 13 2013.

Invited Talks at Conferences and Workshops

- *Theory Status of Leptonic and Semileptonic b-decays: Window to New Physics*,
Current Trends in Flavour Physics, Paris, France, March 2017.
- *Lepton flavour violation in semileptonic tau decays*,
International Workshop on Partial Wave Analyses and Advanced Tools for Hadron Spectroscopy, Bad Honnef, March 2017.
- *Search for a BSM Higgs: Interpreting precision measurements of Higgs couplings with effective field theories*,
Research Area B Science Day, Munich, October 2016.
- *Horizontal U(1)' models and R_K* ,
Workshop "Towards a theory of flavour", MIAPP Munich, 8-11 March, 2016.
- *Non-universal U(1) gauge models*,
The annual science meeting of the excellence cluster universe, Garching, Germany, December, 2015.
- *Aligned two-Higgs-doublet model*,
New Physics at Belle II Workshop, Karlsruhe, Germany, February, 2015.
- *Heavy Quarks and Taus/New Physics*,
13th International Workshop on Tau Lepton Physics, Aachen, Germany, September 18, 2014.
- *$B \rightarrow D^{(*)}\tau\nu$ decays in the Aligned two-Higgs-doublet model*,

CKM 2014, Vienna, Austria, September 10, 2014.

- *Higgs mediated Lepton Flavour Violation*,
XLII International Meeting on Fundamental Physics, Benasque, Spain, January, 2014.
- *$B \rightarrow D^{(*)}\tau\nu$ decays in 2HDMs*,
V CPAN days, Santiago de Compostela, Spain, November 2013.
- *Remarks on low-energy hadronic transitions induced by Higgs-like bosons*,
IVICFA Theoretical Physics, Valencia, Spain, October 31 2013.
- *$B \rightarrow D^{(*)}\tau\nu$, an impossible measurement at LHCb?*,
Third Workshop on Flavour Physics in the LHC Era: Theoretical and Experimental Views,
Valencia, Spain, February 2013.

█ Talks at Conferences and Workshops

- *Standard Model Extended by a Heavy Singlet: Linear vs. Nonlinear EFT*,
European Physical Society Conference on High Energy Physics (EPS-HEP), Venice, July
5-12, 2017.
- *Sensitivity to scalar contributions in $b \rightarrow c(u)\tau\nu$ decays*,
European Physical Society Conference on High Energy Physics (EPS-HEP), Venice, July
5-12, 2017.
- *Implications of Higgs data for the EW chiral Lagrangian*,
28th Rencontres de Blois, Blois, Paris, May 29 - June 3, 2016.
- *A new class of nonuniversal Z' models*,
LHC-ski 2016 A first discussion of 13 TeV results, Obergurgl University Center, Tirol, Austria,
April 2016.
- *Violation of Lepton Universality in B-Meson Decay*,
The Standard Theory and Beyond in the LHC Era -2015, Albufeira, Portugal, October, 2015.
- *A flavoured invisible axion*,
Portoroz 2015: Particle Phenomenology From the Early Universe to High Energy Colliders,
Slovenia, April, 2015.
- *Aligned two-Higgs-doublet model*,
50th Rencontres de Moriond EW 2015, La Thuile, Italy, March, March, 2015.
- *Disentangling new physics contributions in LFV tau decays*,
ICHEP 2014, Valencia, Spain, July 4, 2014.
- *Status of $B \rightarrow D^{(*)}\tau\nu$ decays in two-Higgs-doublet models*,
European Physical Society Conference on High Energy Physics, EPSHEP 2013, Stockholm,
Sweden, 18-24 July, 2013.
- *Looking for New Physics in $B \rightarrow D^{(*)}\tau\nu$ decays*,
XXXIV Reunion Bienal de la Real Sociedad Española de Física, Valencia, Spain, July, 2013.
- *Phenomenology of Two-Higgs-Doublet Models at the LHC*,
Brookhaven Forum 2013: Exploring Fundamental Interactions in the Higgs Era, Brookhaven
National Laboratory, Upton, NY- May 1-3, 2013.
- *$B \rightarrow D^{(*)}\tau\nu$ decays in the 2HDM*,
Discrete 2012, Lisbon, Portugal, December 2012.
IV CPAN days, Granada, Spain, November 2012.

- $B \rightarrow D^{(*)}\tau\nu$ Decays,
International School Cargese 2012: Across the TeV frontier with the LHC, Cargese, France, 2012.

■ Presentation of Scientific Posters

- *Standard Model Extended by a Heavy Singlet: Linear vs. Nonlinear EFT*,
LMU Science Fair Physik 2017, Munich, Germany, June 2017.
- *DsixTools: The Standard Model Effective Field Theory Toolkit*,
The 15th meeting of Flavor Physics & CP Violation, Prague Czech Republic, June 2017.
- *Standard Model Extended by a Heavy Singlet: Linear vs. Nonlinear EFT*,
The Fifth Annual Large Hadron Collider Physics (LHCP2017), Shanghai, China, May 2017.

■ Attended Conferences, Workshops and Schools

- European Physical Society Conference on High Energy Physics (EPS-HEP),
Venice, July 5-12, 2017.
- The 15th meeting of Flavor Physics & CP Violation,
Prague Czech Republic, June 2017.
- The Fifth Annual Large Hadron Collider Physics (LHCP2017),
Shanghai, China, May 2017.
- Current Trends in Flavour Physics,
Paris, France, March 2017.
- International Workshop on Partial Wave Analyses and Advanced Tools for Hadron Spectroscopy,
Bad Honnef, Germany, March 2017.
- Flavour and Electroweak Symmetry Breaking Workshop,
Capri, Italy, June 2016.
- International workshop on Theory, Phenomenology and Experiments in Flavour Physics,
Capri, Italy, June 2016.
- 28th Rencontres de Blois,
Blois, Paris, May 29 - June 3, 2016.
- LHC-ski 2016 A first discussion of 13 TeV results,
Oberurgl University Center, Tirol, Austria, April 2016.
- Workshop "Towards a theory of flavour",
MIAPP Munich, 8-11 March, 2016.
- General Assembly Meeting of LHC Higgs Cross Section Working Group,
CERN, Geneva, Switzerland, 13-15 January 2016.
- The Standard Theory and Beyond in the LHC Era -2015,
Albufeira, Portugal, 24-31 October 2015.
- The 10th Workshop of the LHC Higgs Cross Section Working Group,
CERN, Switzerland, 15 -17 July 2015.
- Workshop: Indirect searches for new physics in the LHC and flavour precision era,
Munich, Germany, 1-26 June 2015.

- Portoroz 2015: Particle Phenomenology From the Early Universe to High Energy Colliders, Slovenia, April 2015.
- 50th Rencontres de Moriond EW 2015, La Thuile, Italy, March, 2015.
- New Physics at Belle II Workshop, Karlsruhe, Germany, February, 2015.
- The 13th International Workshop on Tau Lepton Physics, Aachen, Germany, September 18, 2014.
- International Conference of High Energy Physics (ICHEP) 2014, Valencia, Spain. July, 2014.
- XLII International Meeting on Fundamental Physics, Benasque, Spain, January, 2014.
- The 2013 European Physical Society Conference on High Energy Physics, EPSHEP 2013, Stockholm, Sweden, 18-24 July, 2013.
- V CPAN days, Santiago de Compostela, Spain, November 2013.
- XXXIV Reunion Bienal de la Real Sociedad Española de Física, Valencia, Spain, July, 2013.
- Brookhaven Forum 2013: Exploring Fundamental Interactions in the Higgs Era, Brookhaven National Laboratory, Upton, NY- May 1-3, 2013.
- Third Workshop on Flavour Physics in the LHC Era: Theoretical and Experimental Views, Valencia, Spain. 4-6 February 2013.
- DISCRETE 2012, Lisbon, Portugal, 3-6 December 2012.
- IV CPAN Days 2012, Granada, Spain, 26-28 November 2012.
- International School Cargese 2012: Across the TeV frontier with the LHC, Cargese, France, 20 Aug- 1 Sept. 2012.
- XL International Meeting on Fundamental Physics, Benasque, Spain, May-June 2012.
- III Meeting of the Spanish National Center for Particle, Astroparticle and Nuclear Physics (CPAN), Barcelona, Spain, November 2011.
- Spanish Graduate School on High Energy Physics 2011, Bilbao, Spain, July 2011.
- Spanish Graduate School on High Energy Physics 2010, Barcelona, Spain, September 2010.
- FlaviaNet School on Flavor Physics, Bern, Switzerland, June 2010.
- Light Cone 2010: Relativistic Nuclear and Particle Physics, Valencia, Spain, June 2010.
- Utrecht Summer School in Theoretical Physics,

Utrecht, Netherland, August 2009.