

Session Program

29 November 2021 to 3 December 2021



6th ComHEP: Colombian Meeting on High Energy Physics

Heavy Flavour

Monday 29 November

14:00

Heavy Flavour

Session | **Conveners:** Diego Milanés, Jhovanny Andrés Mejía Guisao

14:00–14:30 **Heavy Flavour Anomalies**

Speaker

Alexis Pompili

14:30–15:00 **Belle-II results**

Speaker

Pedro Podesta Lerma

15:00–15:30 **New hadrons spectroscopy**

Speaker

Alberto Correa Dos Reis

15:30–15:50 **Estudio de la desintegración $B_c \rightarrow e^+ \mu^- \nu$**

Speaker

Santiago Gomez Arias

15:50–16:05 **Break**

16:05–16:25 **Singlet vector leptoquark explanation of the B meson anomalies**

Speaker

Nestor Quintero Poveda

16:25–16:45

A low energy effective quark-gluon vertex to calculate the pseudoscalar meson spectrum

Speaker

Eduardo Rojas

16:45–17:05

Two-body nonleptonic weak decays of vector heavy mesons in vector mesons

Speaker

José Herman Muñoz

17:05–17:25

Production studies of B^{*+} meson in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV

Speaker

Camilo Jose Torres Castano

17:25–17:45

Measurement of prompt production cross section ratio of χ_c states in pPb collisions at $\sqrt{s} = 8.16$ TeV

Speaker

Andres Munoz Acevedo

17:45-18:05

Nuclear Femtography in the era of Jefferson Lab 12 GeV program and EIC**Speaker**

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18:05-18:10

Long-distance matrix elements in charmonium production fitted with LHCb data**Speaker**

David Alejandro Baron Ospina

18:10-18:15

Selection of the $D^+ \rightarrow K^- K^+ K^+$ candidates at the LHCb experiment**Speaker**

Sebastian Ordonez

18:15-18:20

The lepton flavor universality violation in Υ and B meson decays and the W' -triplet boson model**Speaker**

Cristian Harold GARCIA DUQUE

18:20-18:25

Charmonium Spectrum from Non-Relativistic Quantum Mechanics**Speakers**

Pedro Jose Leal Mesa, Mr Pablo Jose Figueroa Falla

18:25-18:30

Weak factorization for $D_s \rightarrow KKK$ decay mode**Speaker**

David Alejandro Baron Ospina

18:30-18:35

Phenomenology of spin-orbit potential for charmonium.**Speaker**

Ms Fabiola Amazo-Gómez

18:35-18:40

Estudio de la sensibilidad de la violación de simetría CP en los decaimientos $D^+ \rightarrow K^+ K^- K^+$ y $D^- \rightarrow K^- K^+ K^-$ **Speaker**

Mr Andres Aponte Mendivelso

18:55