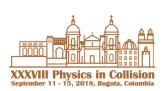




XXXVIII Physics in Collision

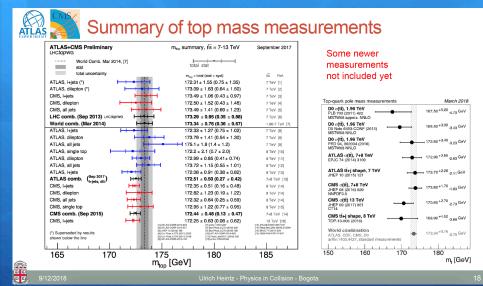
11-15 September, Bogota, Colombia Closing remarks



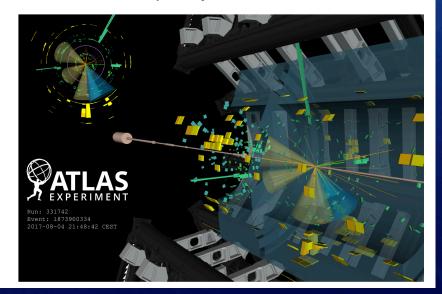




- We saw many interesting talks and results from several experiments
- Ranging from neutrino physics to **BSM** physics
- Comprehensive overview of results across several fields



Example candidate for ttH, H->gamma gamma in lepton+jet final state

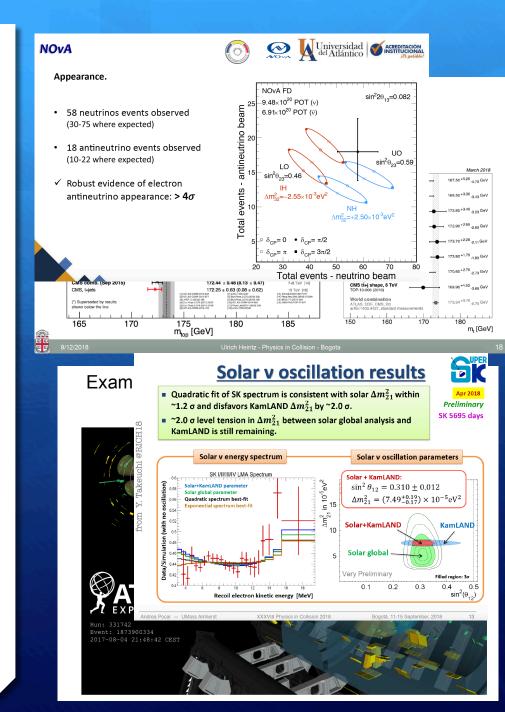


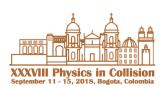






- Ranging from neutrino physics to BSM physics
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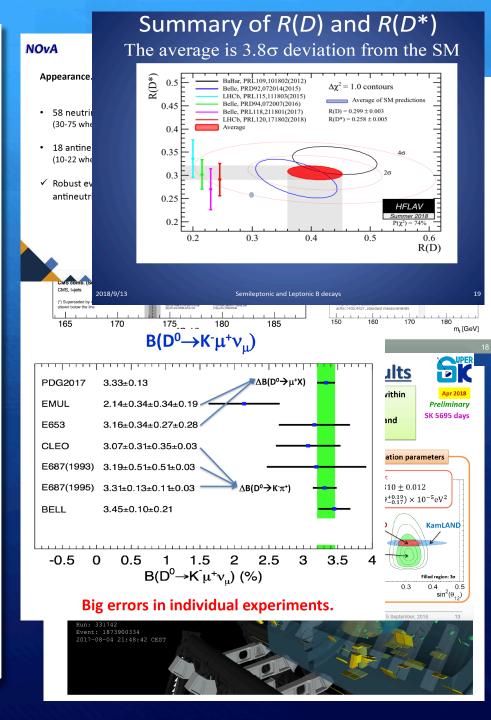


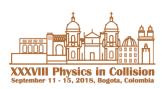






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Summary of R(D) and $R(D^*)$ The average is 3.8σ deviation from the SM

NOvA

13/09/2018 **EMUL**

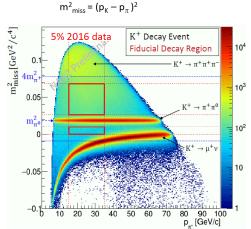
E653

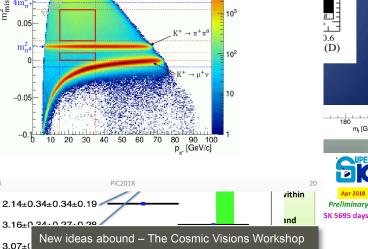
CLEO

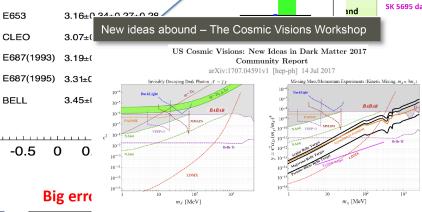
BELL

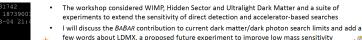
-0.5

NA62: Kinematics





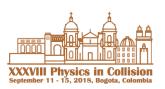






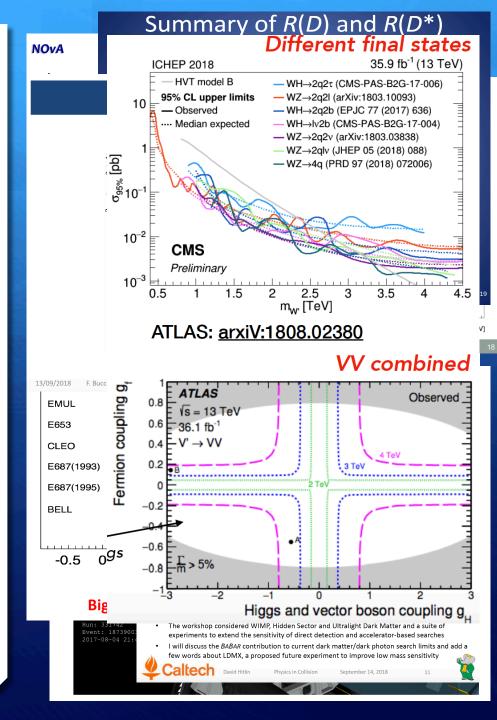








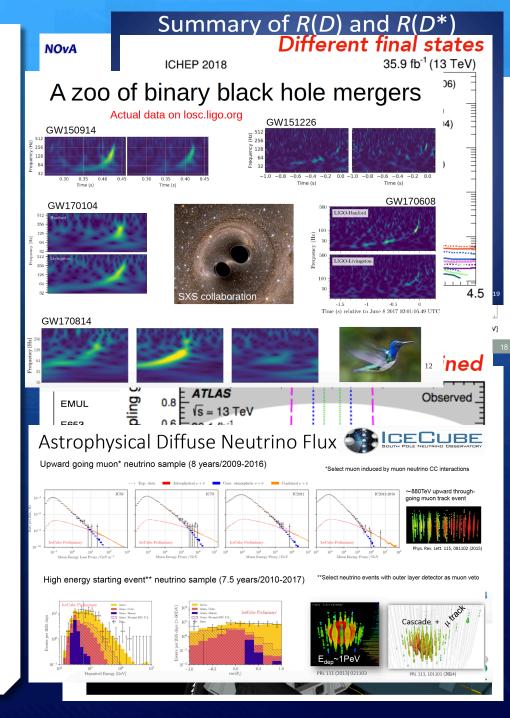
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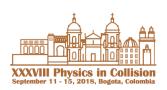






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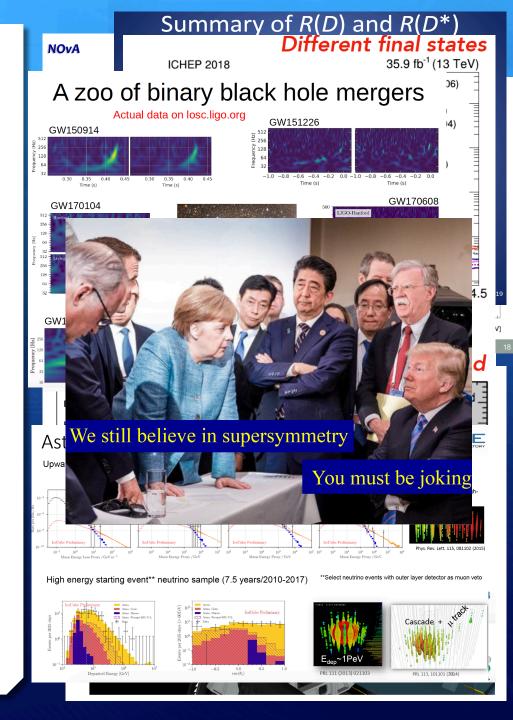


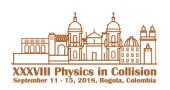






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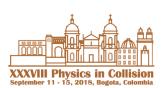








 Mix between local and international participants; young and senior scientists







- Around 15 posters
- Mix between local and international participants; young and senior scientists
- Poster session prize:
 Catherine Ayuso

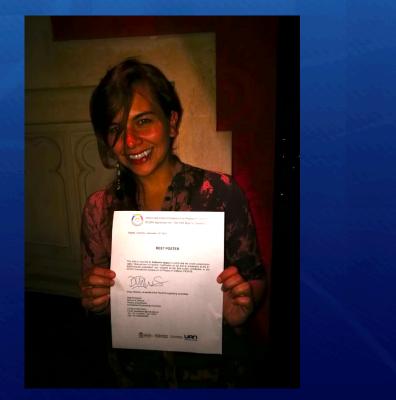
Measurement of nuclear modification of J/ ψ and ψ ' production at the E-906/SeaQuest experiment

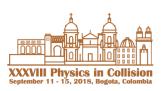
Catherine Ayuso¹

1 University of Michigan and FermiLab

Corresponding Author(s): cayuso@umich.edu

A measurement of the suppression of J/ ψ and ψ ' production in high-energy heavy ion interactions has been suggested to be an important probe in identifying the presence and properties of quark-gluon plasma (QGP). However, a similar quarkonium production depletion observed in p-A interactions at lower energies makes it pivotal to understand the effects of cold nuclear matter (CNM). By doing so, it will be possible to not only kinematically isolate the sources of this suppression but also better constrain presumed QGP signatures. We perform measurements seeking to obtain a better quantitative understanding of this suppression due to CNM effects in the E906/SeaQuest experiment at Fermi National Accelerator Laboratory, a fixed-target experiment producing Drell-Yan, J/ ψ and ψ ' signals from a 120-GeV proton beam colliding with protons and different heavy nuclear targets. In this poster, we will discuss QGP and CNM effects on charmonium production in more detail and report the status of the analysis at SeaQuest as well as results from E-866, SeaQuest's predecessor with an 800-GeV incident proton beam.

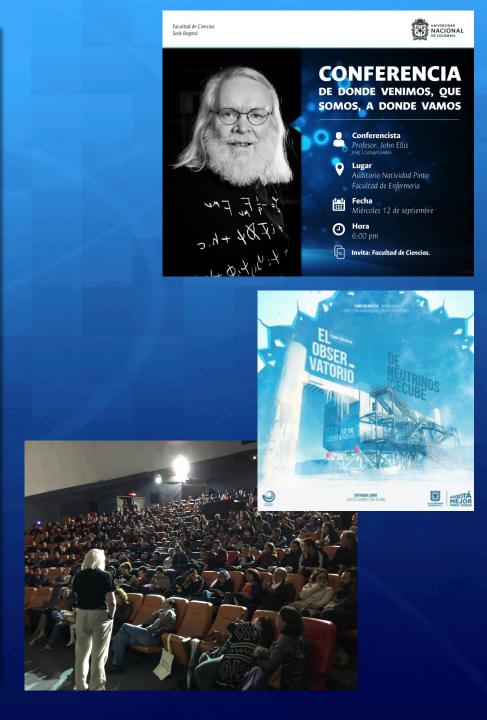








- Around 15 posters
- Mix between local and international participants; young and senior scientists
- Poster session prize:Catherine Ayuso
- 3 outreach talks

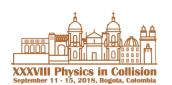
















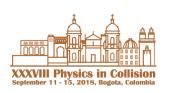










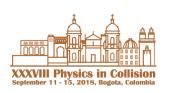






- Thanks everyone!
- Thanks to the LOC boys: Jeysson,
 Rafael and Sergio







- Thanks everyone!
- Thanks to the LOC boys: Jeysson, Rafael and Sergio
- Special thanks to Diego for his tireless efforts







