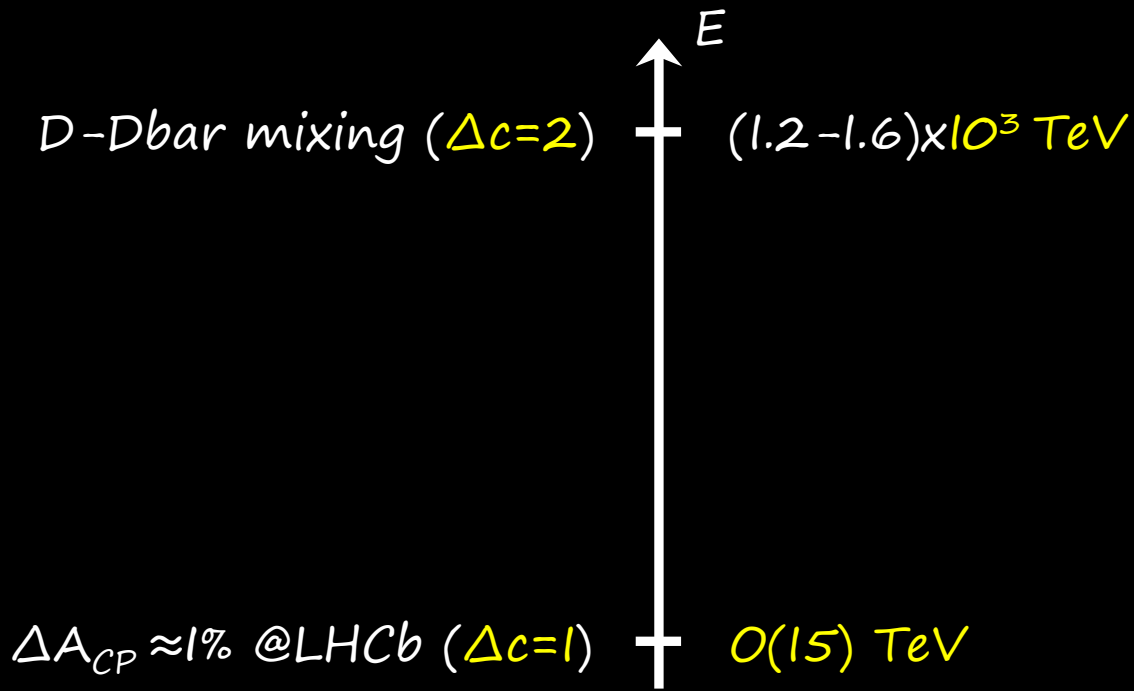


# Charm CPV and Dijets Interplay

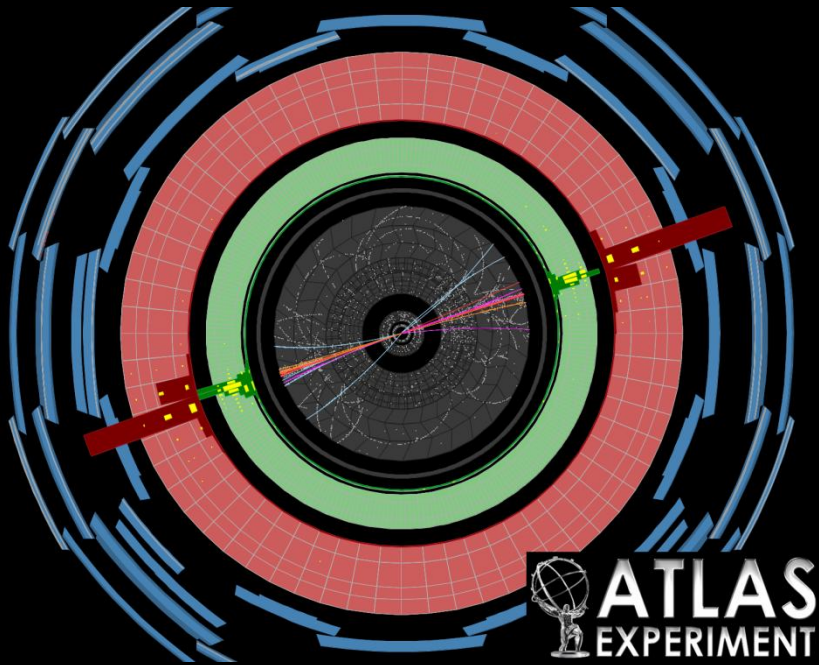
**Cédric Delaunay**  
*CERN*

*L. Da Rold, CD, C. Grojean & G.Perez – work in progress*  
*+ Y. Hochberg, G. Perez & Y. Soreq – work in progress*



## *charm CPV*

*LHCb vs. D-Dbar mixing*

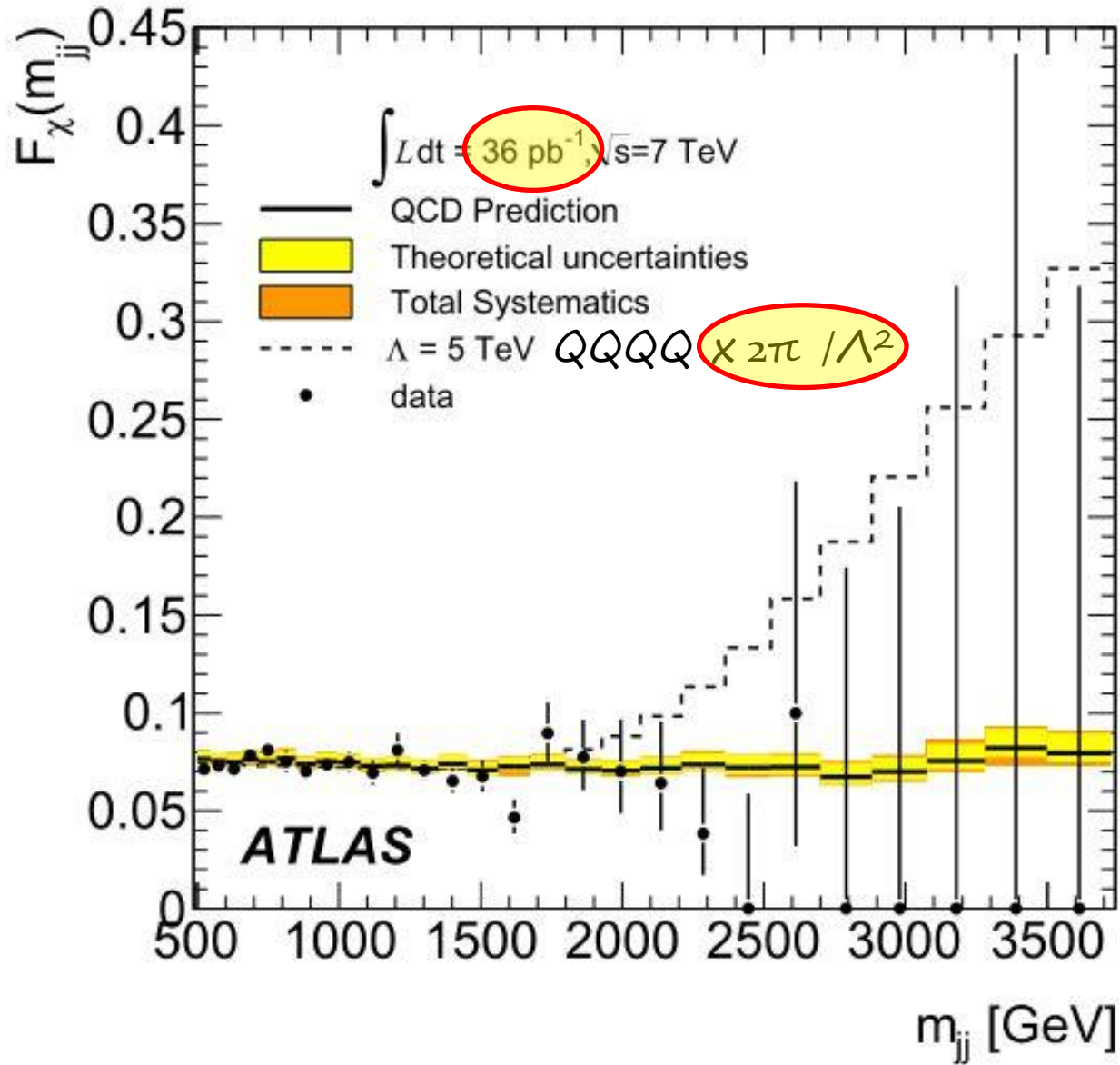


 **ATLAS**  
EXPERIMENT

# *dijets @ ATLAS*

*constraint on heavy new physics*

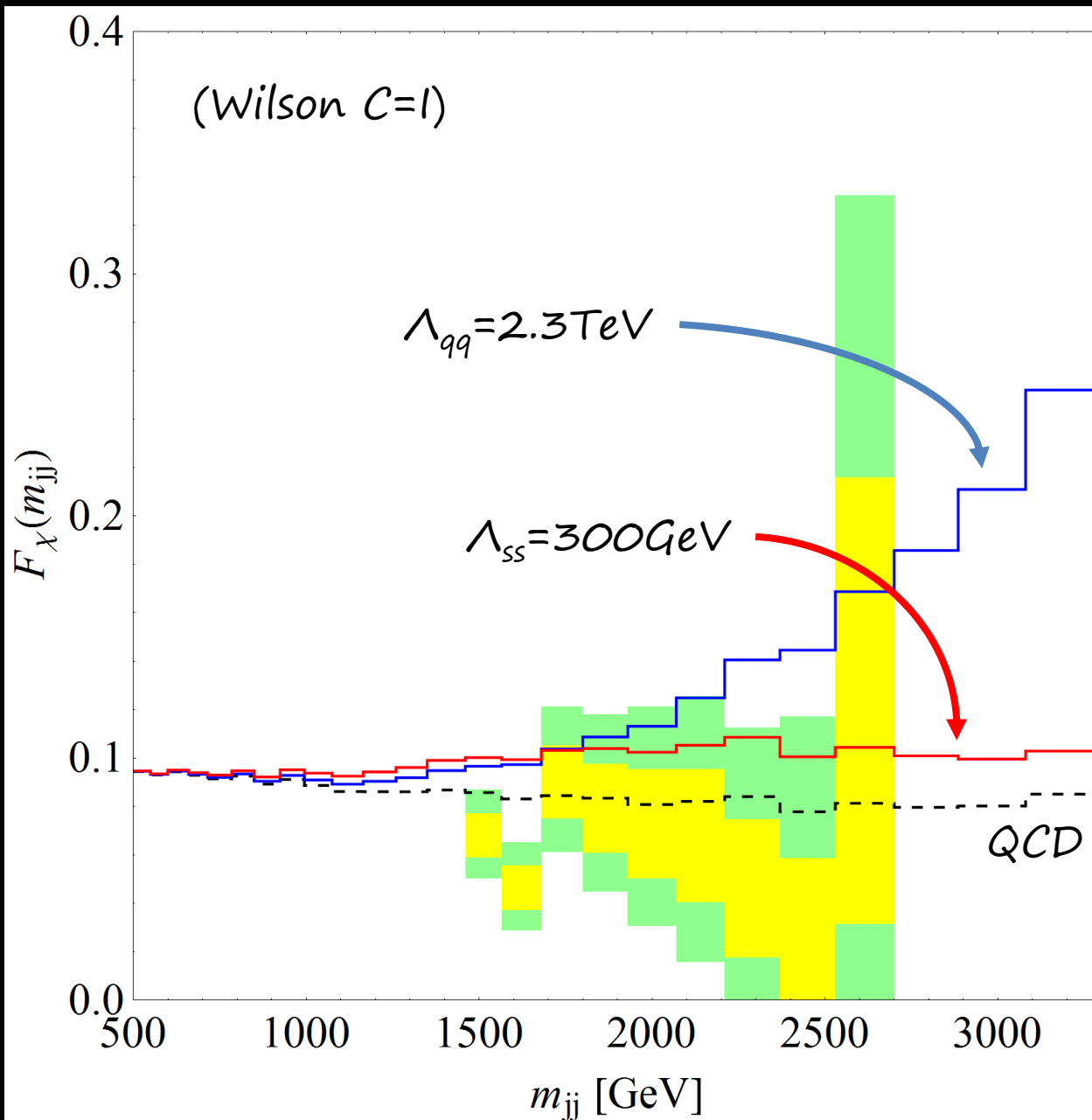
ATLAS  
1103.3864  
[hep-ex]



$(C=2\pi) \Lambda \geq 5.7 \text{ TeV (95\%CL)}$

$(C=1: \Lambda \geq 5.7/\sqrt{2\pi} \approx 2.3 \text{ TeV})$

$(C=16\pi^2: \Lambda_{\text{NDA}} \geq 5.7/\sqrt{2\pi} \times 4\pi \approx 30 \text{ TeV})$



*This is it!*

