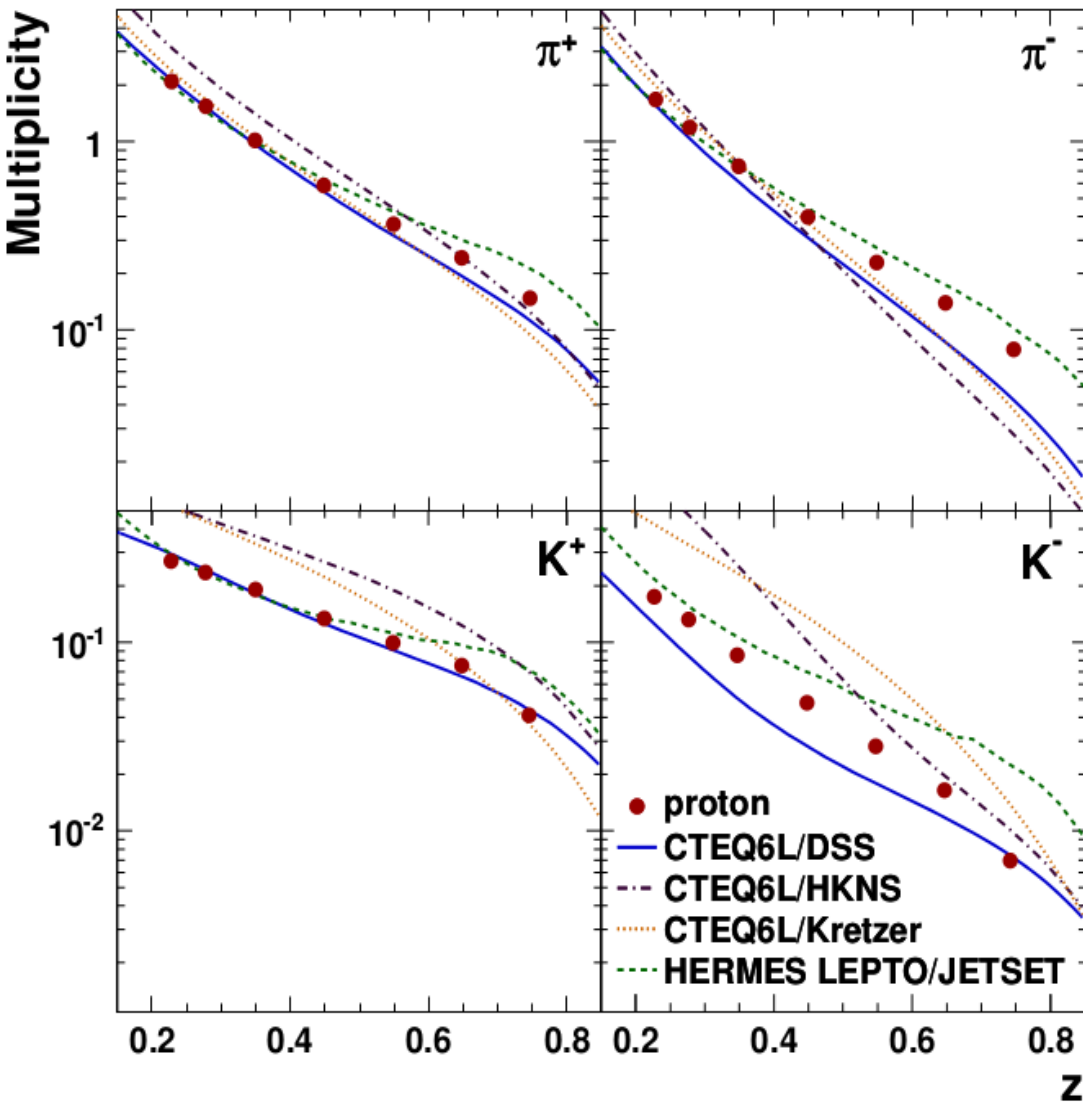


PYTHIA8 tuning for Belle II experiment

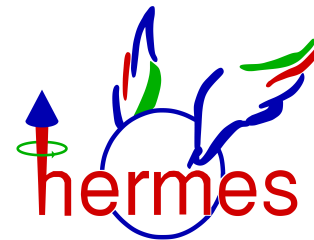
Gevorg Karyan

FH Fellow Meeting, 29.11.2016





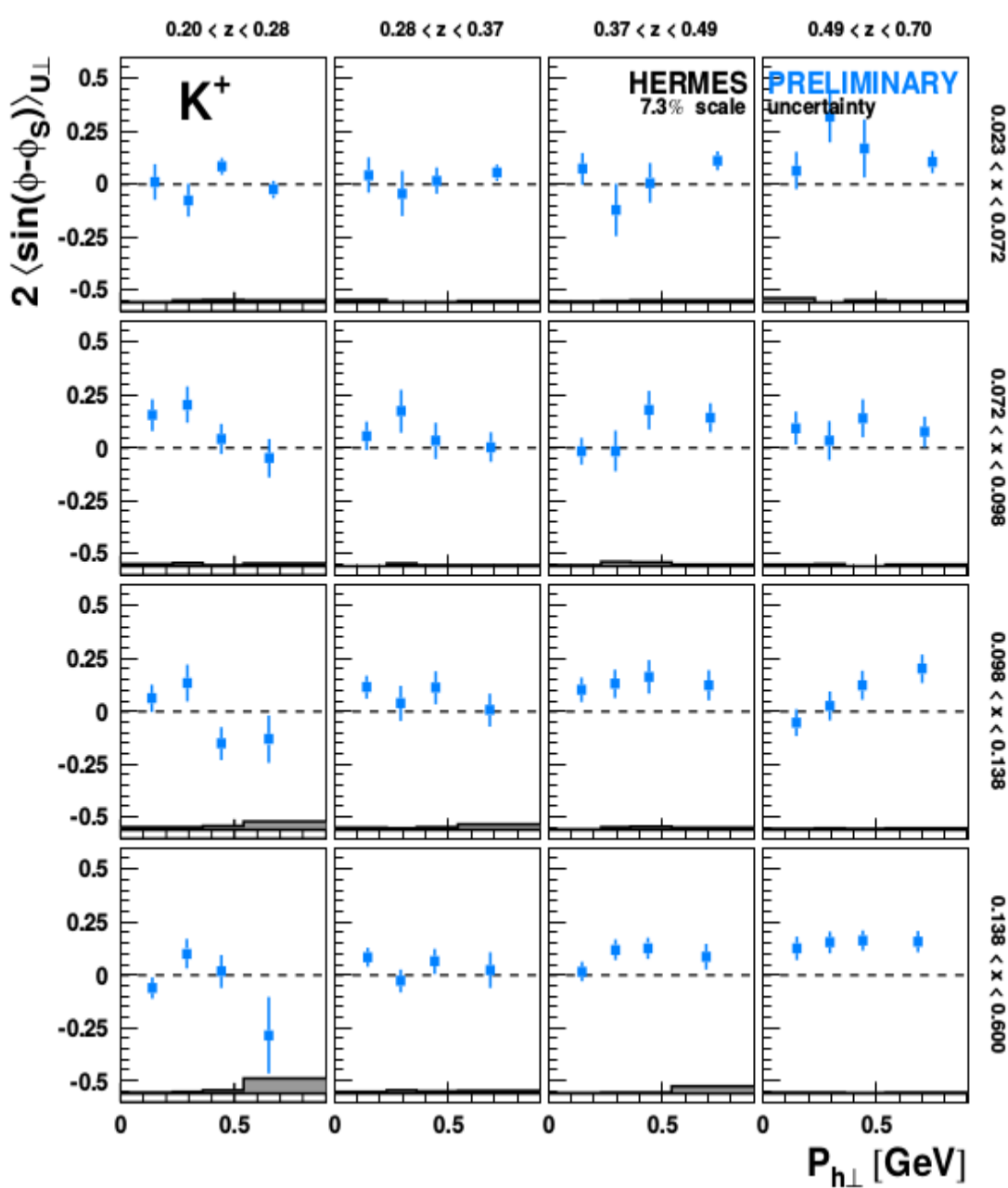
2011 – 2013



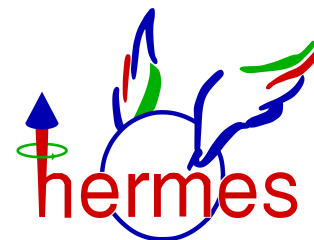
Fragmentation
functions in SIDIS.

A. Airapetian et al, Phys. Rev. D87 (2013) 074029





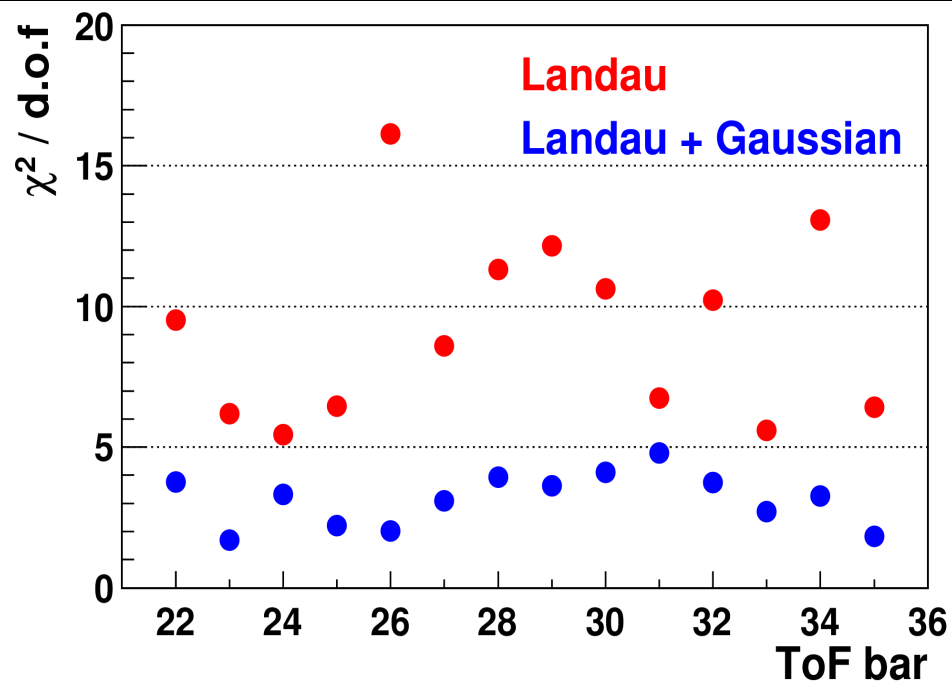
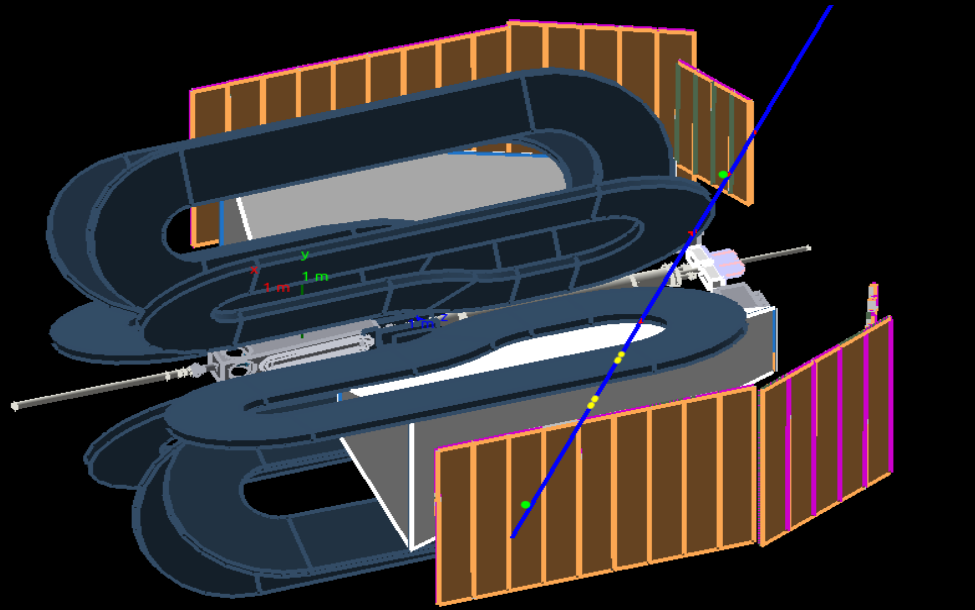
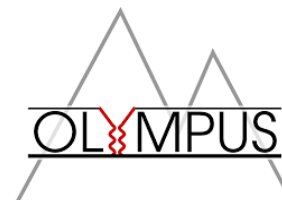
2013 – 2015



Transversity studies
in SIDIS.



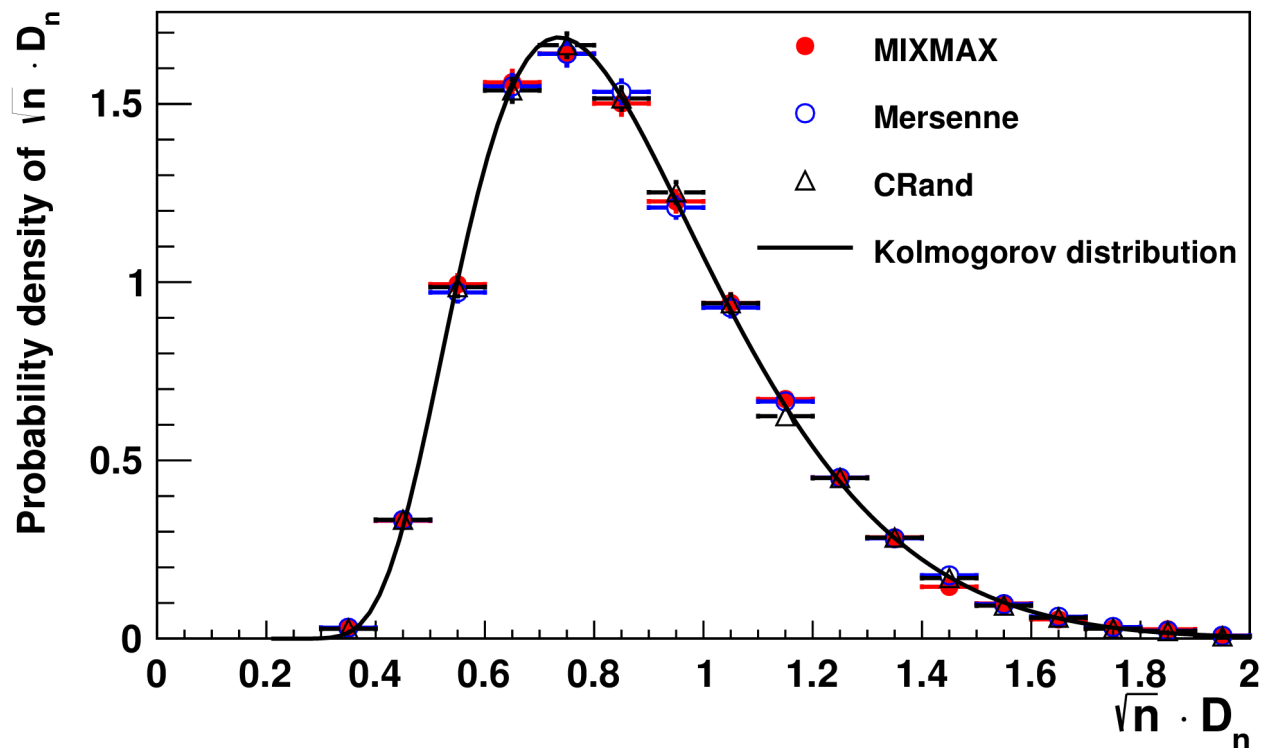
2013 – 2014



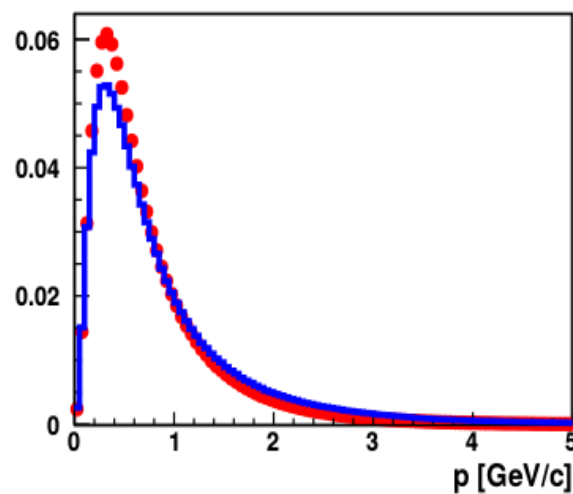
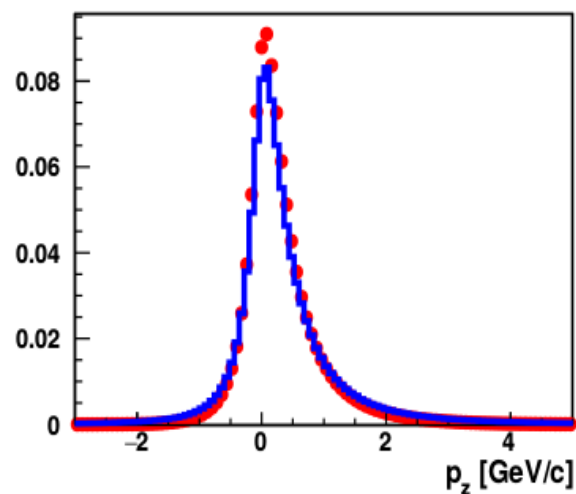
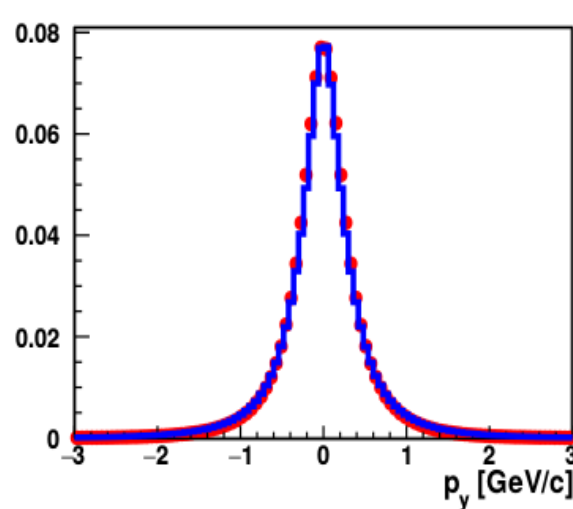
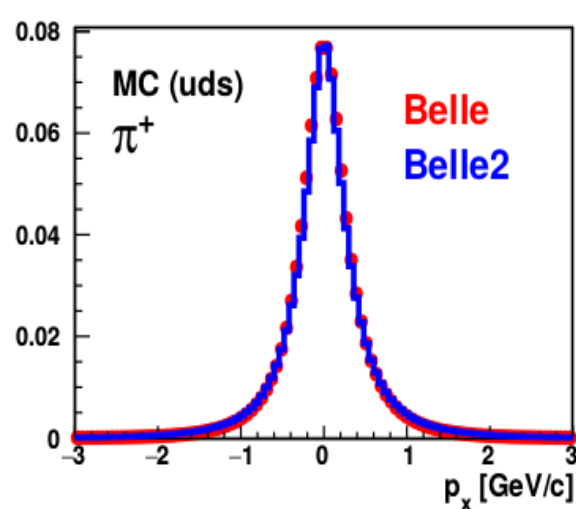
Cosmic muon
simulator.



Statistical tests for pseudo-random number generators.



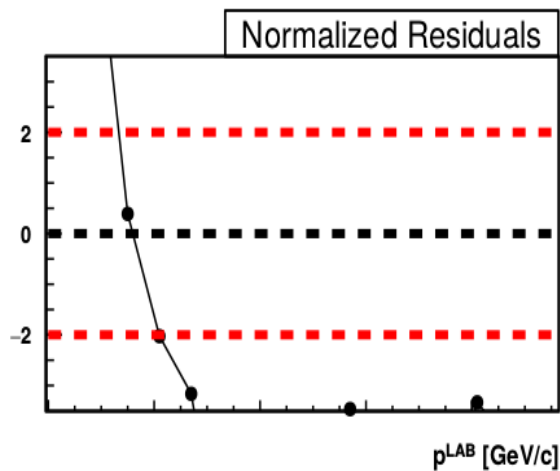
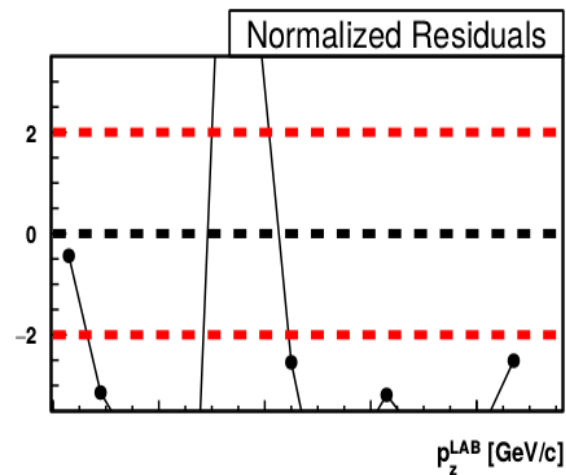
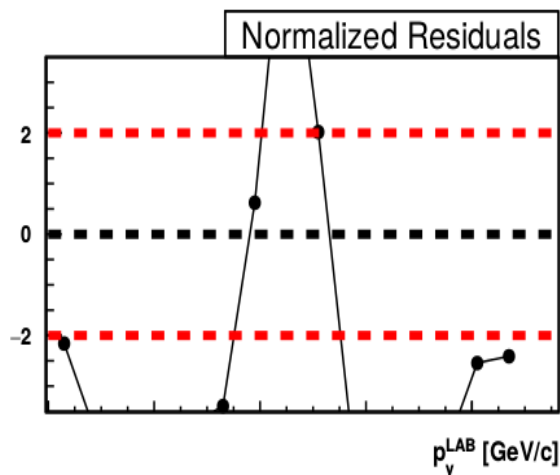
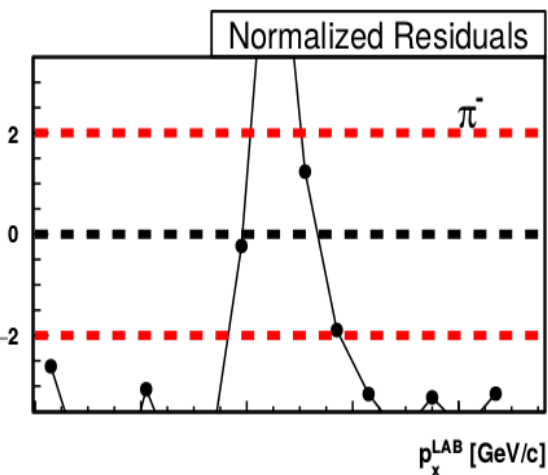
2016 – present



Comparison of Belle vs. Belle2 MC.



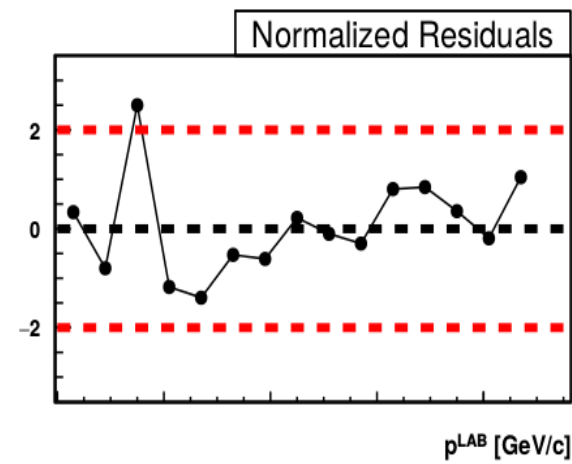
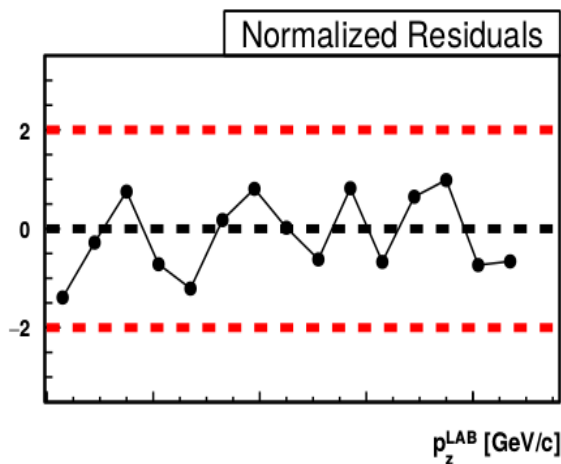
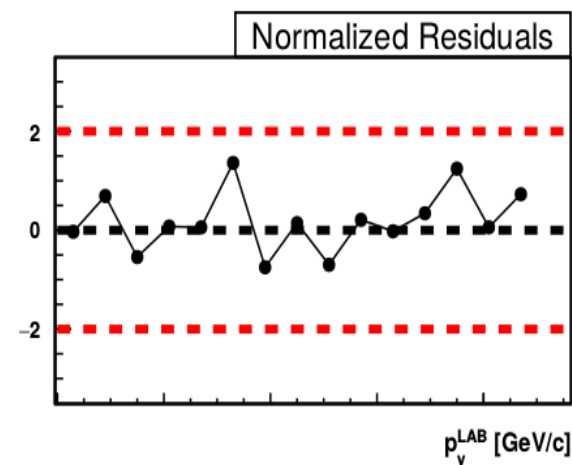
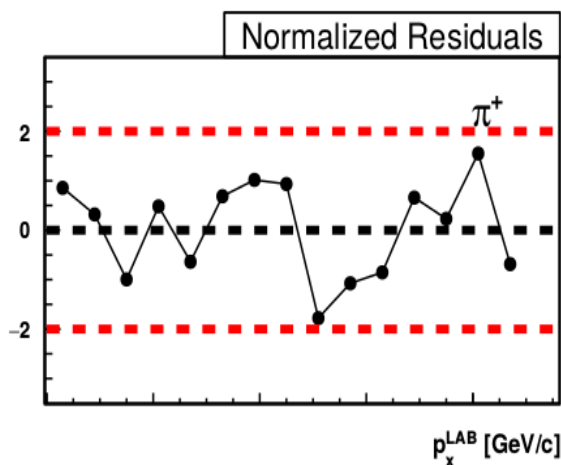
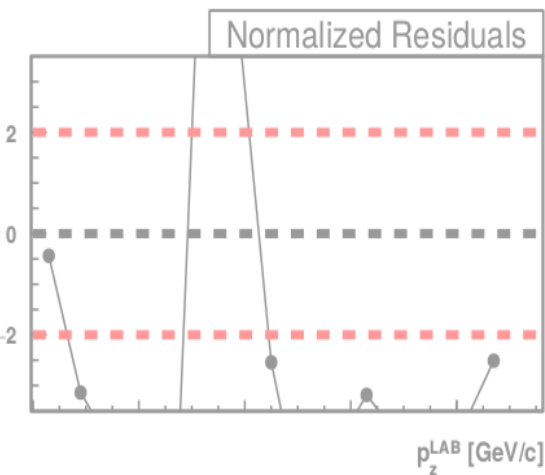
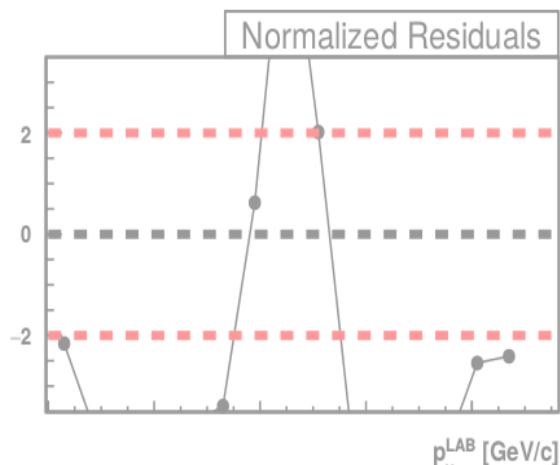
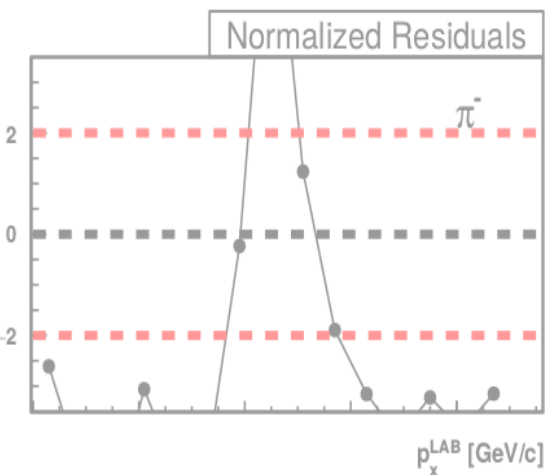
2016 – present



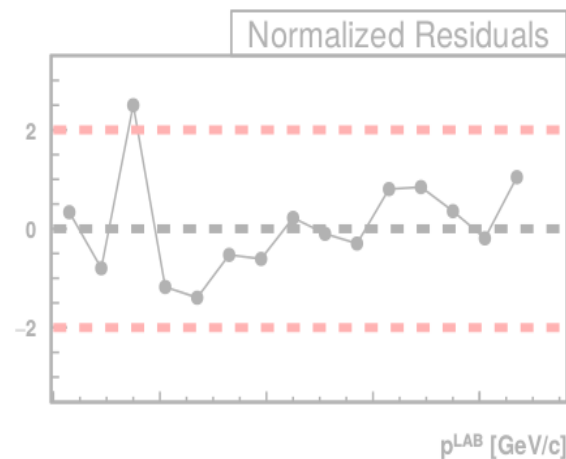
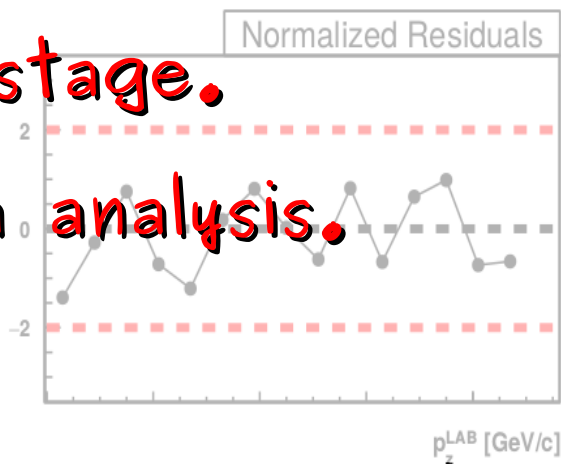
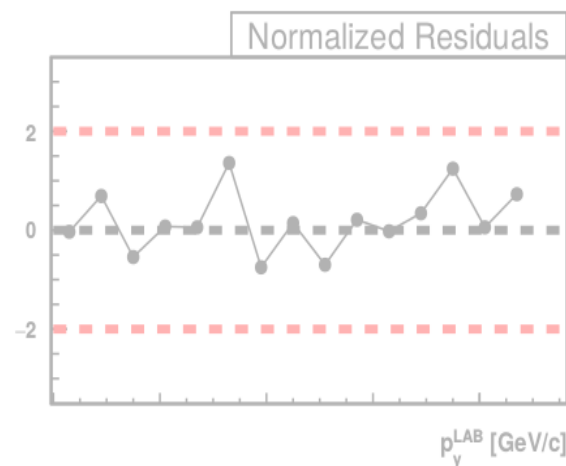
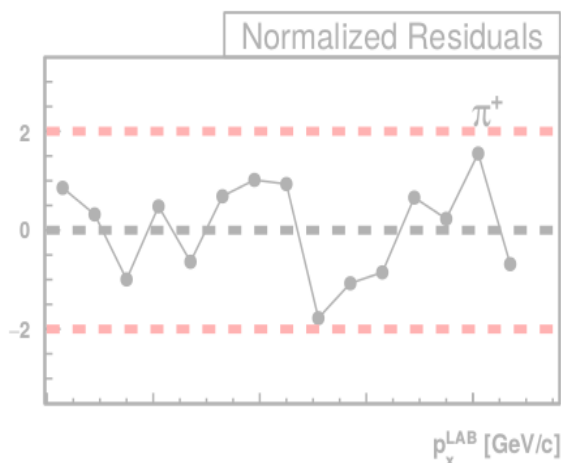
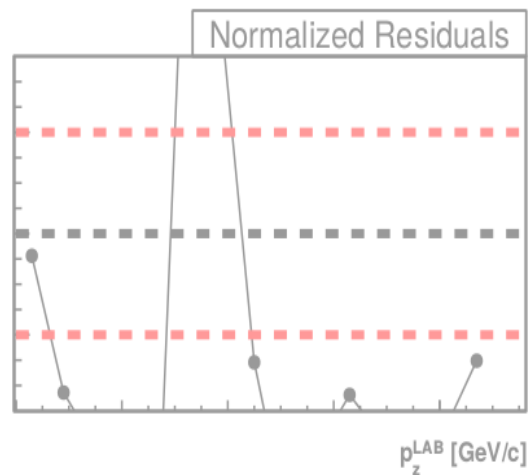
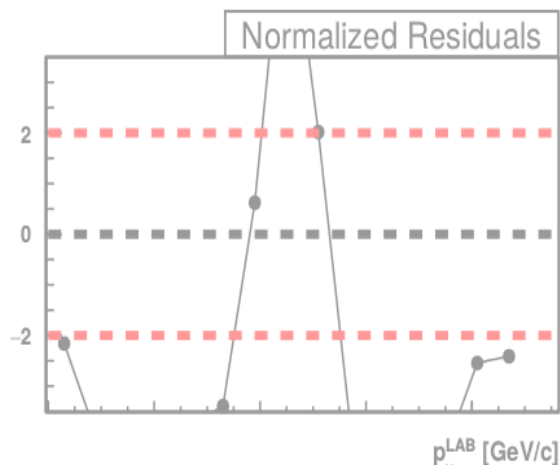
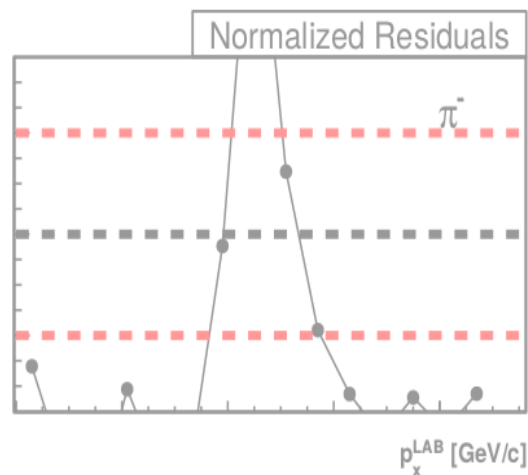
Parameter sensitivity checks.



2016 – present



2016 – present



- > Validation stage.
- > BelleI data analysis.

Thank you

