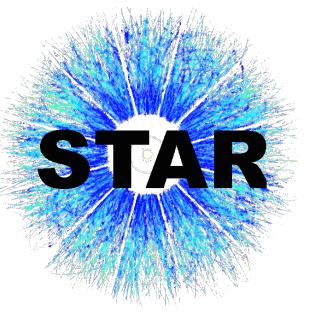


Measurement Of Longitudinal Single-Spin Asymmtry, AL For W Boson Production In Polarized P+P Collisions At RHIC



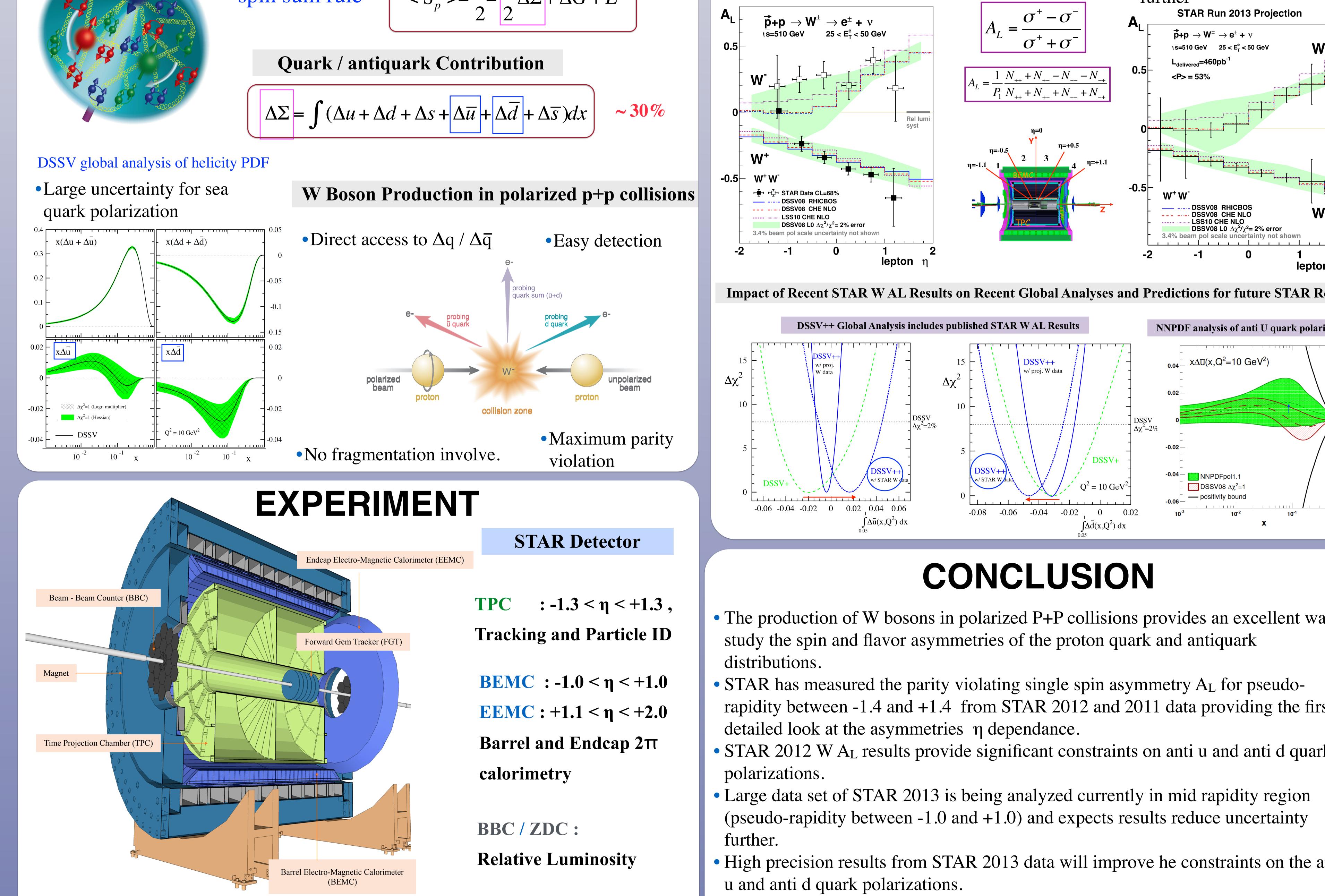
Devika Gunarathne [Temple University, STAR collaboration]

INTRODUCTION

RESULTS

STAR Run 2012 WAL Published Results

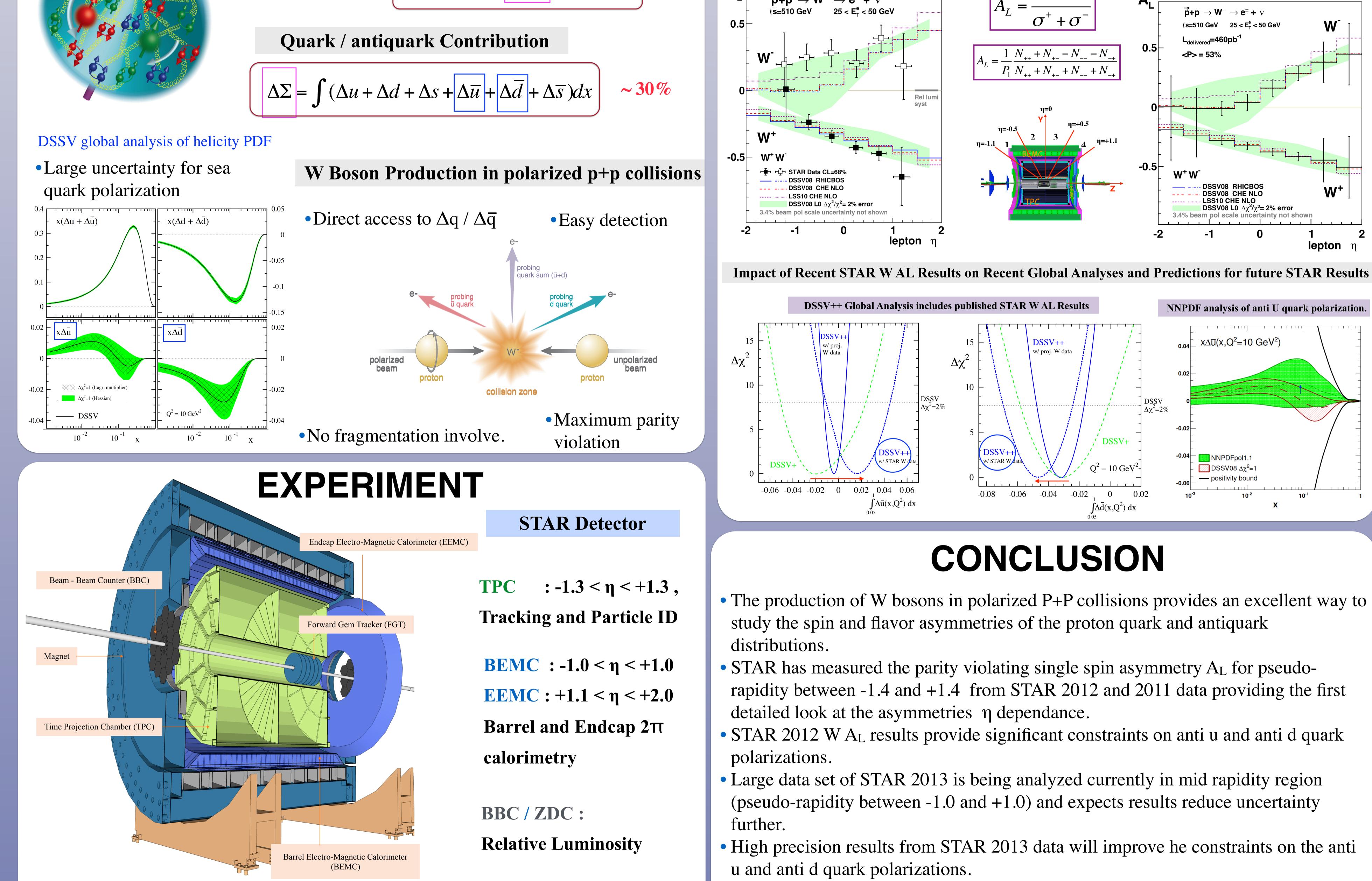
than theoretical prediction

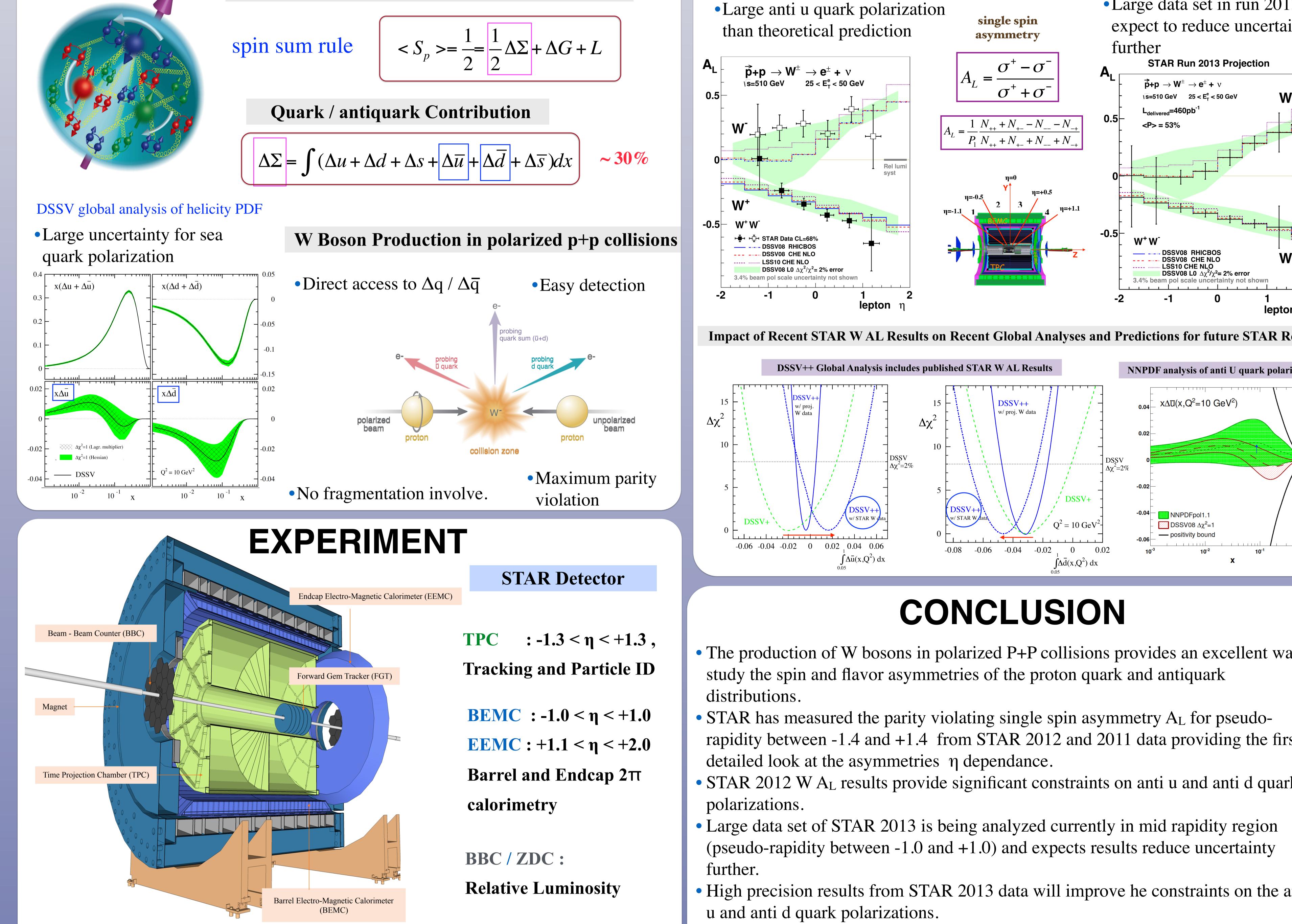


STAR Run 2013 WAL Projections

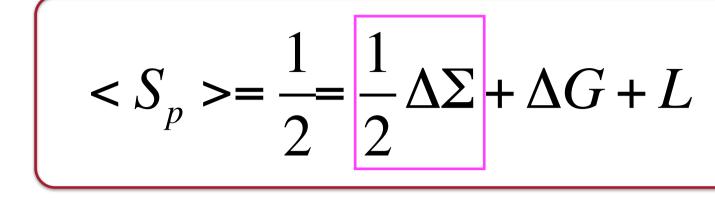
• Large data set in run 2013 expect to reduce uncertainty further







SPIN STRUCTURE OF THE PROTON



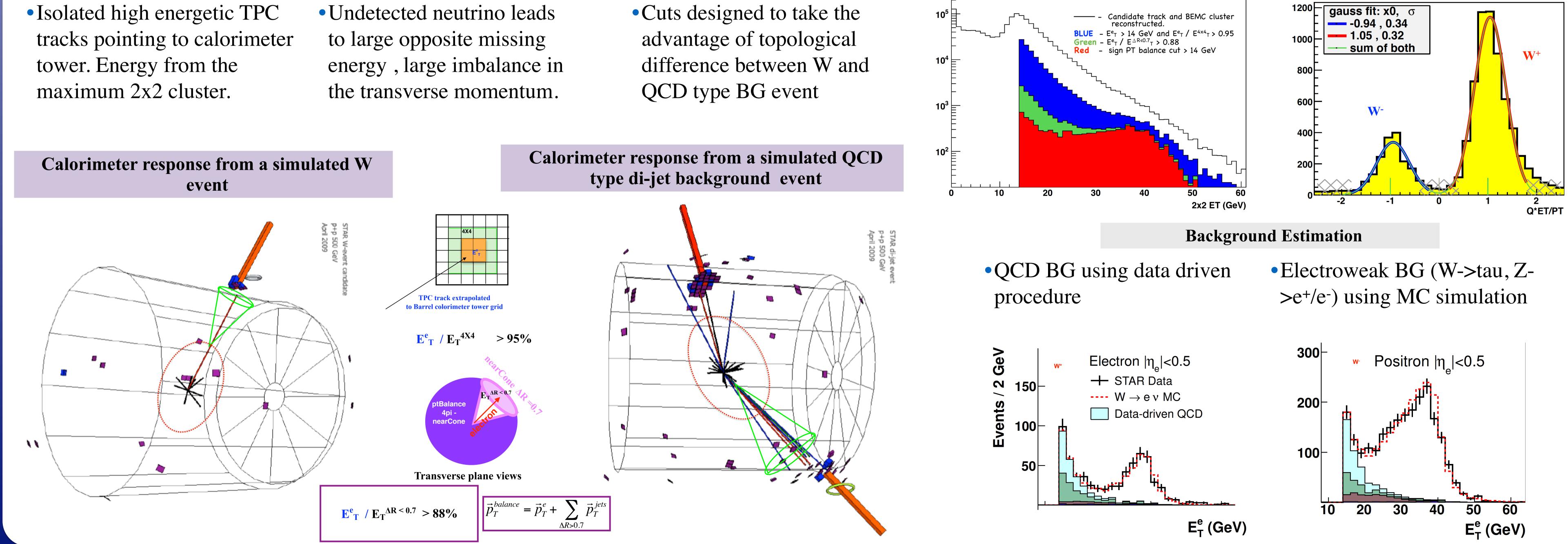
- The production of W bosons in polarized P+P collisions provides an excellent way to

ANALYSIS

Reconstruction of W bosons from decay electron and positrons

• Isolated high energetic TPC

W candidate tracks as a function of transverse Energy



TPC Charge sign separation

