























































$\langle \bar{\eta} \rangle$

**STAR**

- data SD (stat.+syst.)
- PYTHIA 8 4C SD (SaS)
- △ PYTHIA 8 A2-CTEQ6L1 SD (MBR)
- ▽ PYTHIA 8 A2-CTEQ6L1 SD (MBR-tuned)
- + HERWIG 7.1 SD
- ◇ EPOS-LHC SD+SD'
- ☆ EPOS-LHC SD'

0.1  
0  
-0.1

p+p data  $\sqrt{s}=200$  GeV  
 $0.04 < -t < 0.16$  [GeV<sup>2</sup>/c<sup>2</sup>]  
 $|\eta| < 0.7, p_T > 0.2$  GeV/c,  $2 \leq n_{ch} \leq 8$

0.05

0.1

0.15

0.2  
 $\xi$

