

PROPERTIES OF ODDERON

DISCUSSION SECTION – REQUESTED NEW RESULTS

T. Csörgő^{1,2}, T. Novák², R. Pasechnik³, A. Ster¹ and I. Szanyi^{1,4}

¹ Wigner RCP, Budapest, Hungary

² MATE KRC, Gyöngyös, Hungary

³ University of Lund, Lund, Sweden

⁴ Eötvös University, Budapest, Hungary



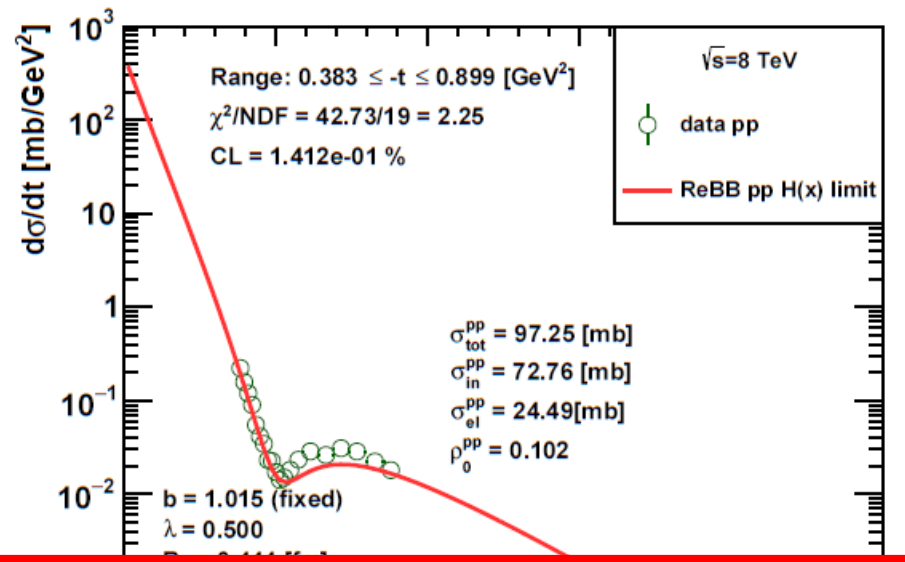
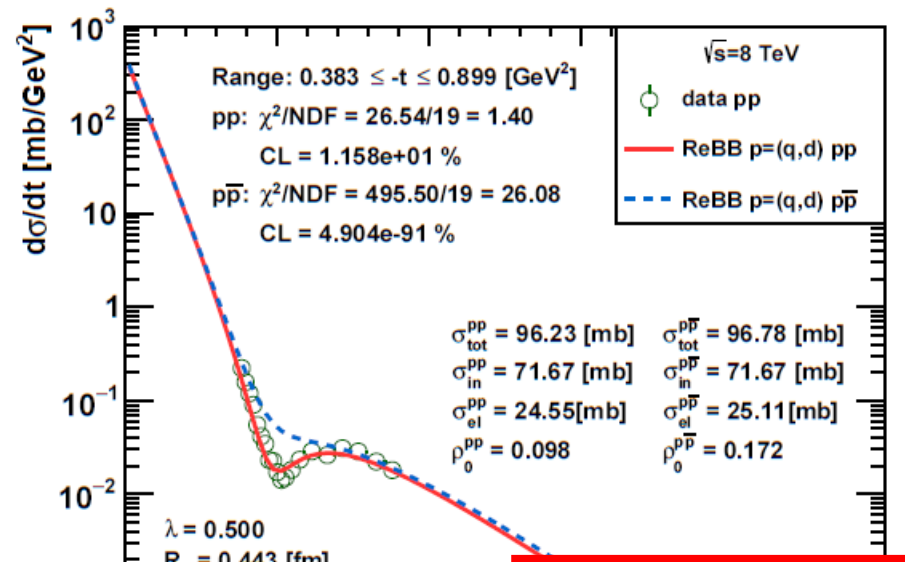
First ReBB results at 8 TeV

B(s,t) of Pomeron & Odderon

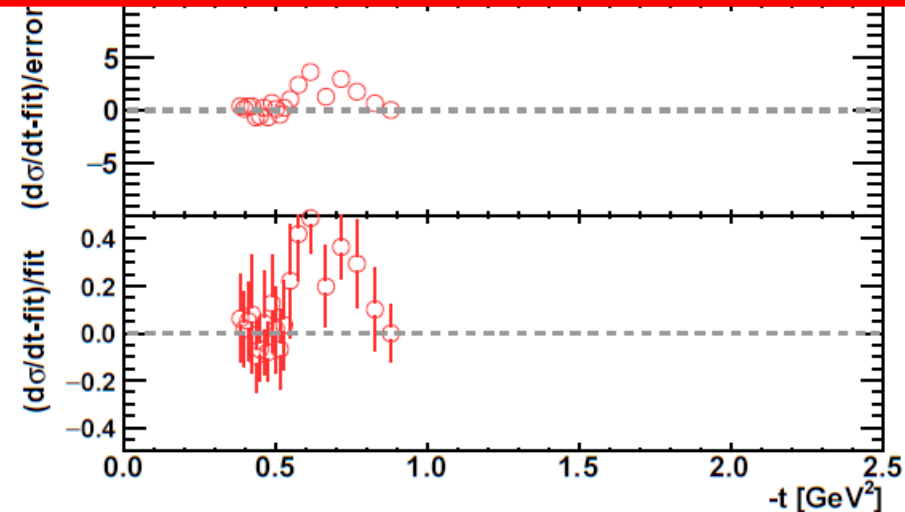
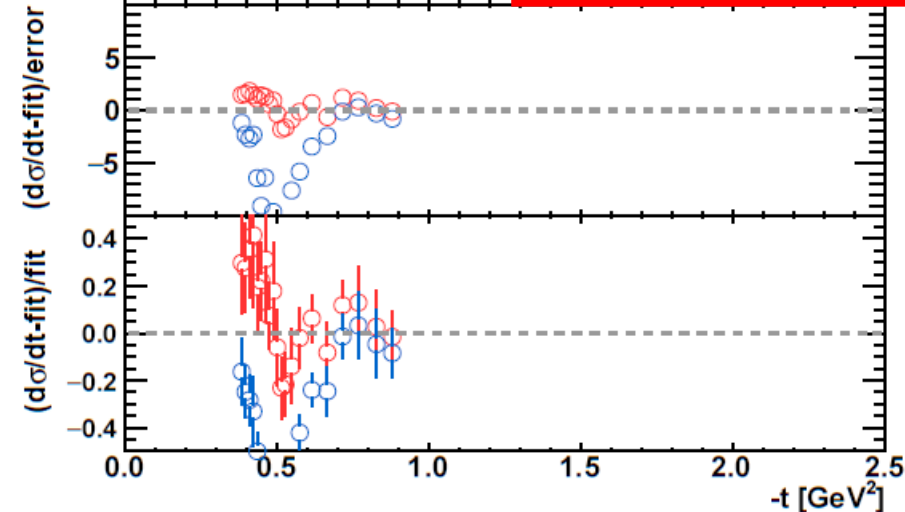
Tests of scaling effects on B(x,s)



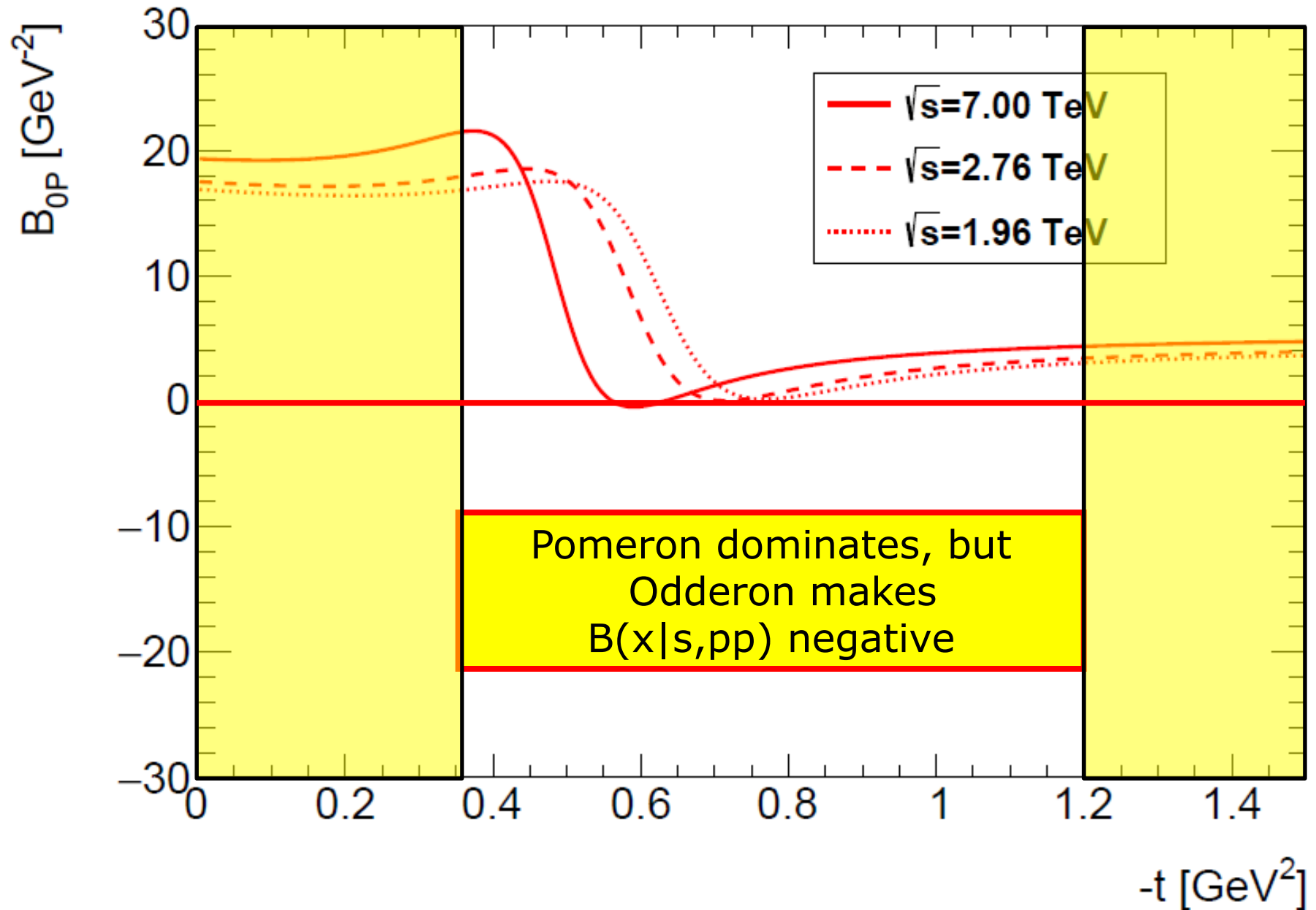
ReBB MODEL RESULTS: OK @ 8 TeV



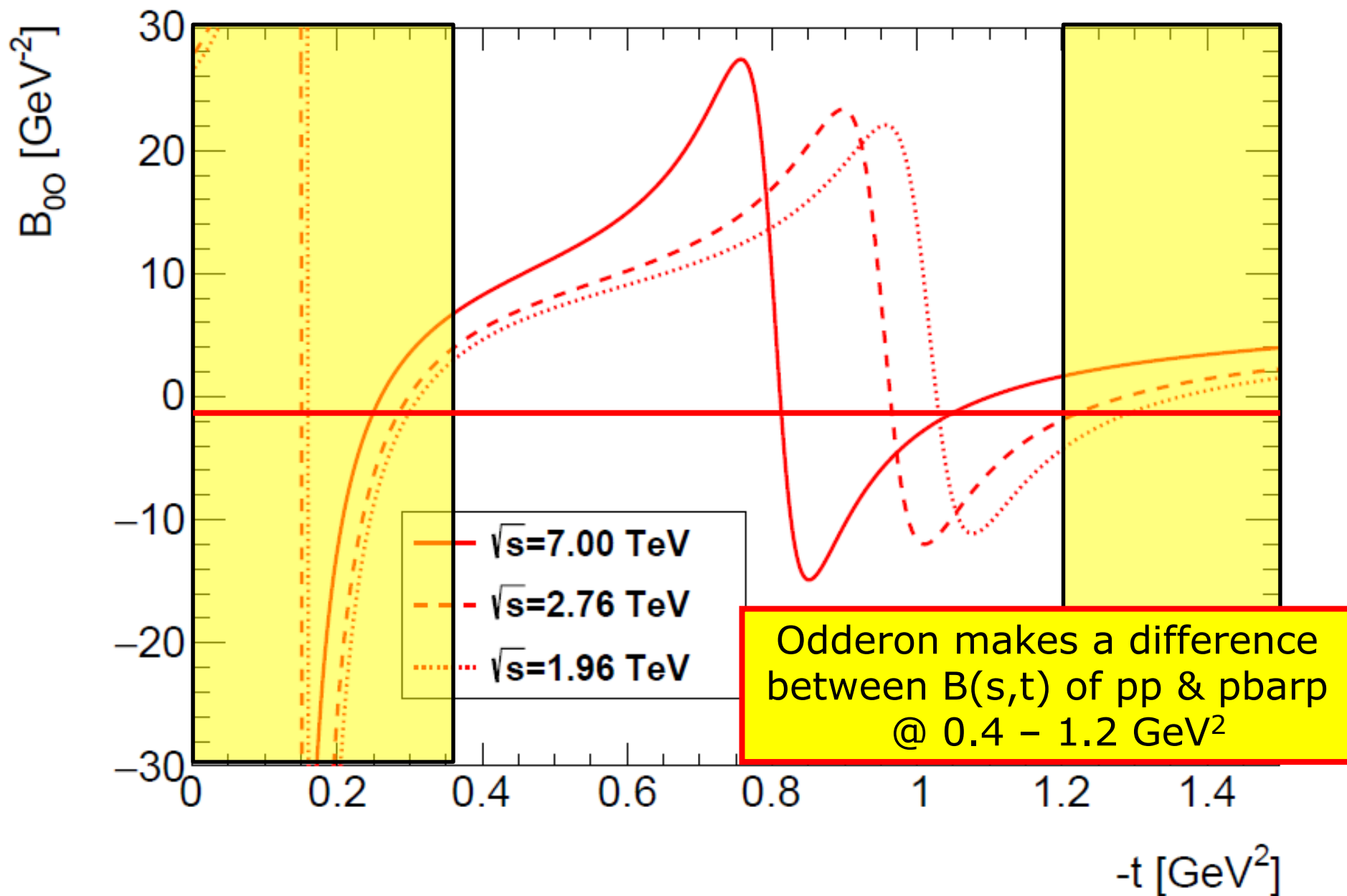
Assumption of 3 % overall normalization error
CL = 11.6 %, agreement with full ReBB
CL = 1.4 %, agreement with H(x) limit of ReBB



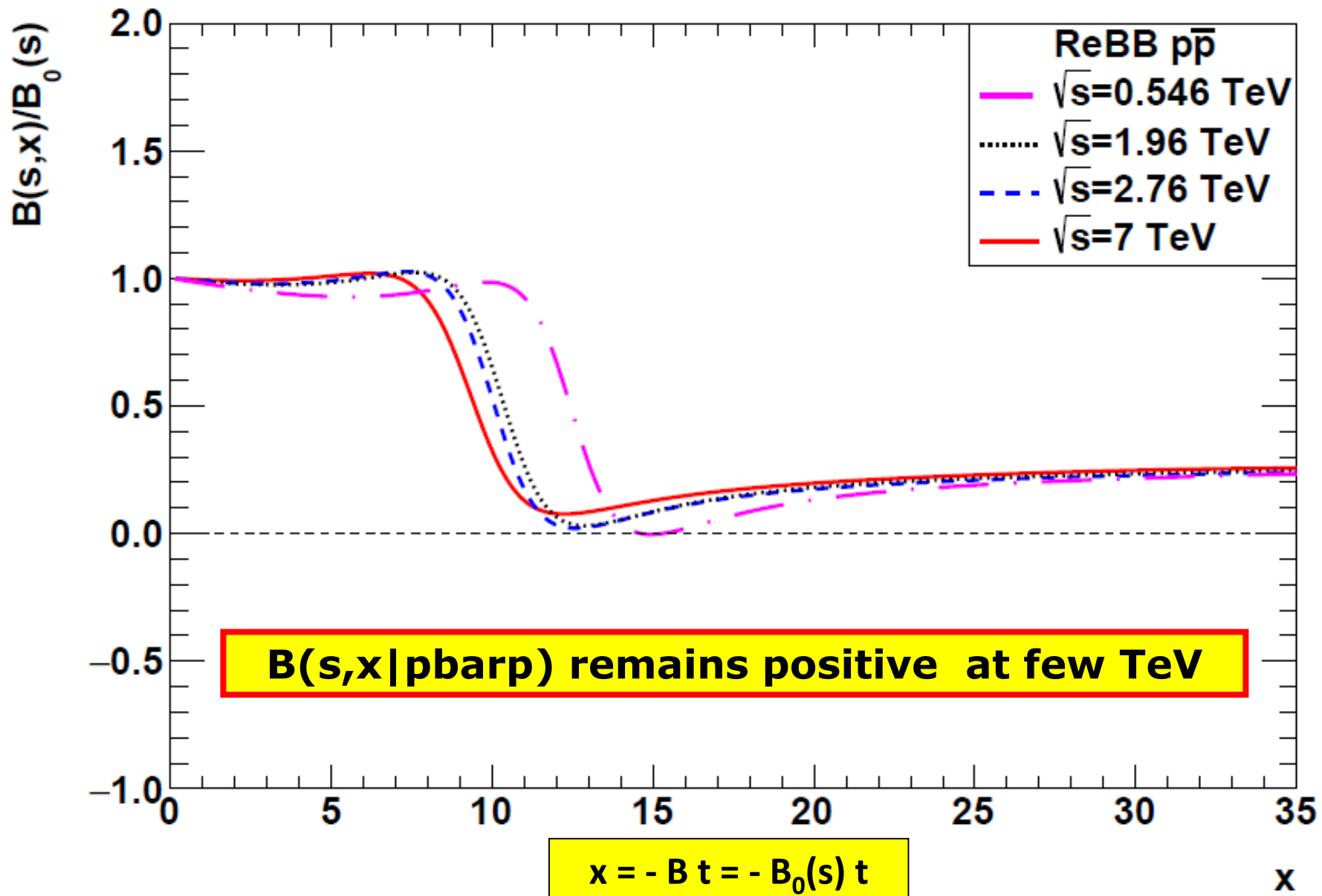
Pomeron $B(x,s)$ @ 0.546, 1.96, 2.76 & 7 TeV



Odderon $B(x,s)$ @ 0.546, 1.96, 2.76 & 7 TeV



$p\bar{p}$ $B(x,s)/B_0(s)$ @ 0.546, 1.96, 2.76 & 7 TeV



pp $B(x,s)/B_0(s)$ @ 0.546, 1.96, 2.76 & 7 TeV

Odderon and proton substructure from a model-independent Lévy imaging of elastic pp and $p\bar{p}$ collisions

T. Csörgő (Wigner RCP, Budapest and Karoly Robert U. Coll.), R. Pasechnik (Lund U., Dept. Theor. Phys. and Prague, Inst. Phys.), A. Ster (Wigner RCP, Budapest) (Jul 8, 2018)

Published in: *Eur.Phys.J.C* 79 (2019) 1, 62 • e-Print: 1807.02897 [hep-ph]

