





# Scaled Momentum Spectra in the Target Region in DIS

# **Status Report**

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## **Event selection**

**Data** 04/06e/06p/07p ~236 pb<sup>-1</sup> Evtake, STTtake

#### Trigger

SPP02,SPP09

#### **Electron / positron**

Siprob[0] >0.9 E<sub>e</sub> > 10 GeV lepton box cut >20 Chimney cut Sienin[0]

#### **Cleaning cuts**

reconstructed vertex  $|Z_{vtx}| < 40$  cm 40 GeV < E - pz < 60 GeV

#### **Physics & Kinematics Requirements**

Q<sup>2</sup><sub>DA</sub> > 10 GeV<sup>2</sup> y<sub>el</sub> < 0.95 y<sub>JB</sub> > 0.04

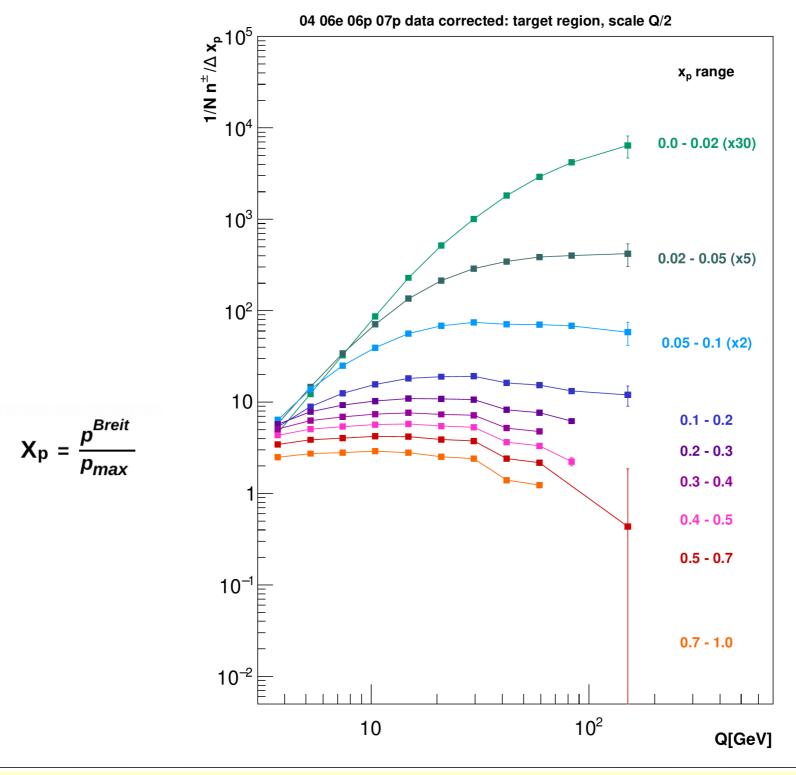
**Track selection** 

tracks associated with primary vertex  $p_T > 150 \text{ MeV}$ -1.75<  $\eta < 2.7$  (-1.75<  $\eta < 1.75$ ) (nsl  $\ge$  3)

ZEUS 440 pb<sup>-1</sup>

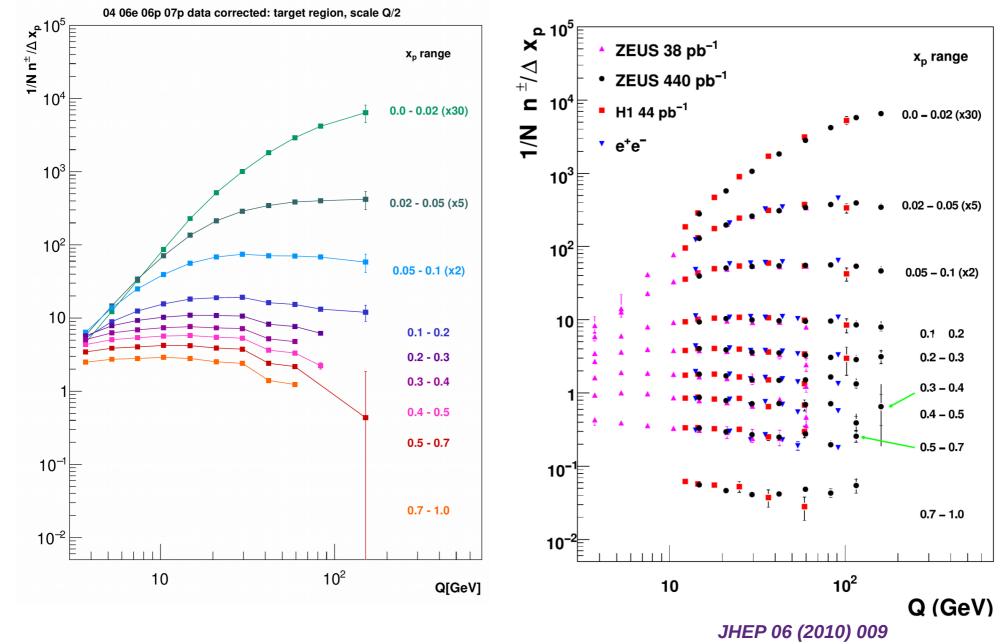
- for the analysis 04, 06e, 06/07p were used

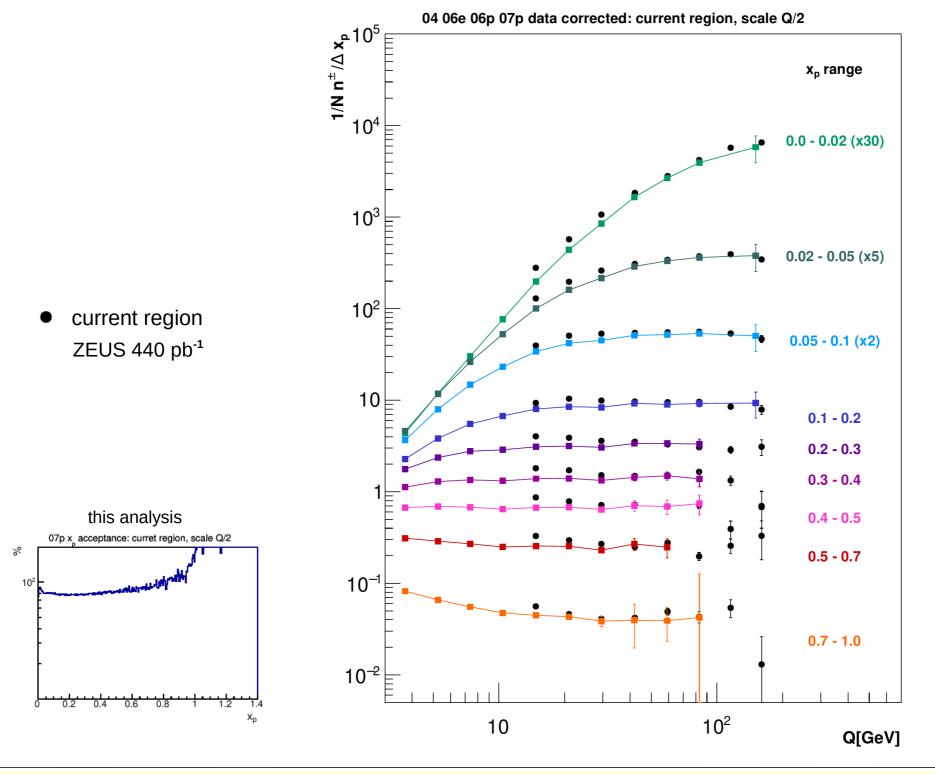
- no STT in 2005 due to insufficient cooling



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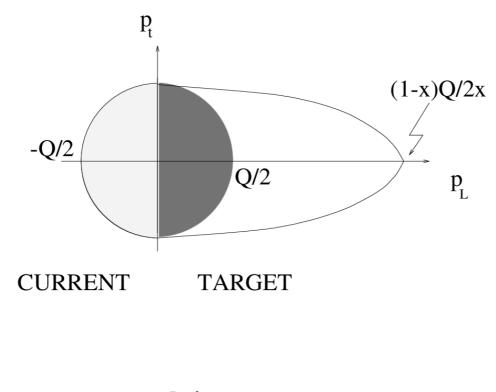
#### ZEUS



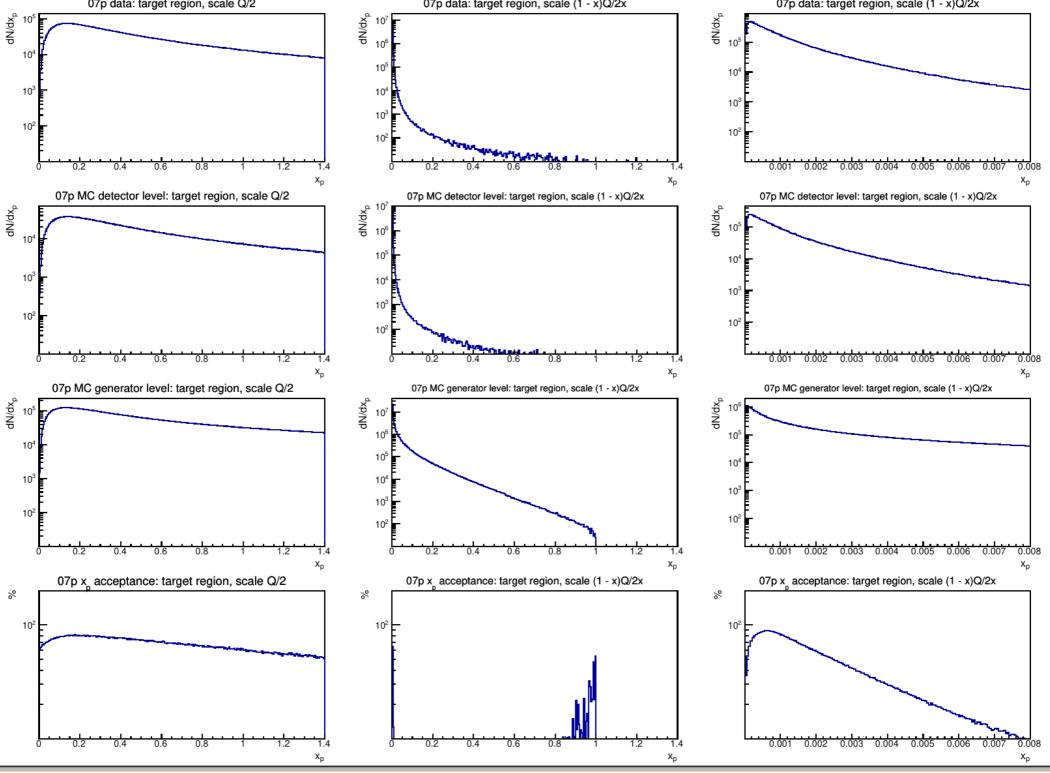


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### What scale should be used in the analysis?



$$X_p = \frac{p^{Breit}}{p_{max}}$$



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