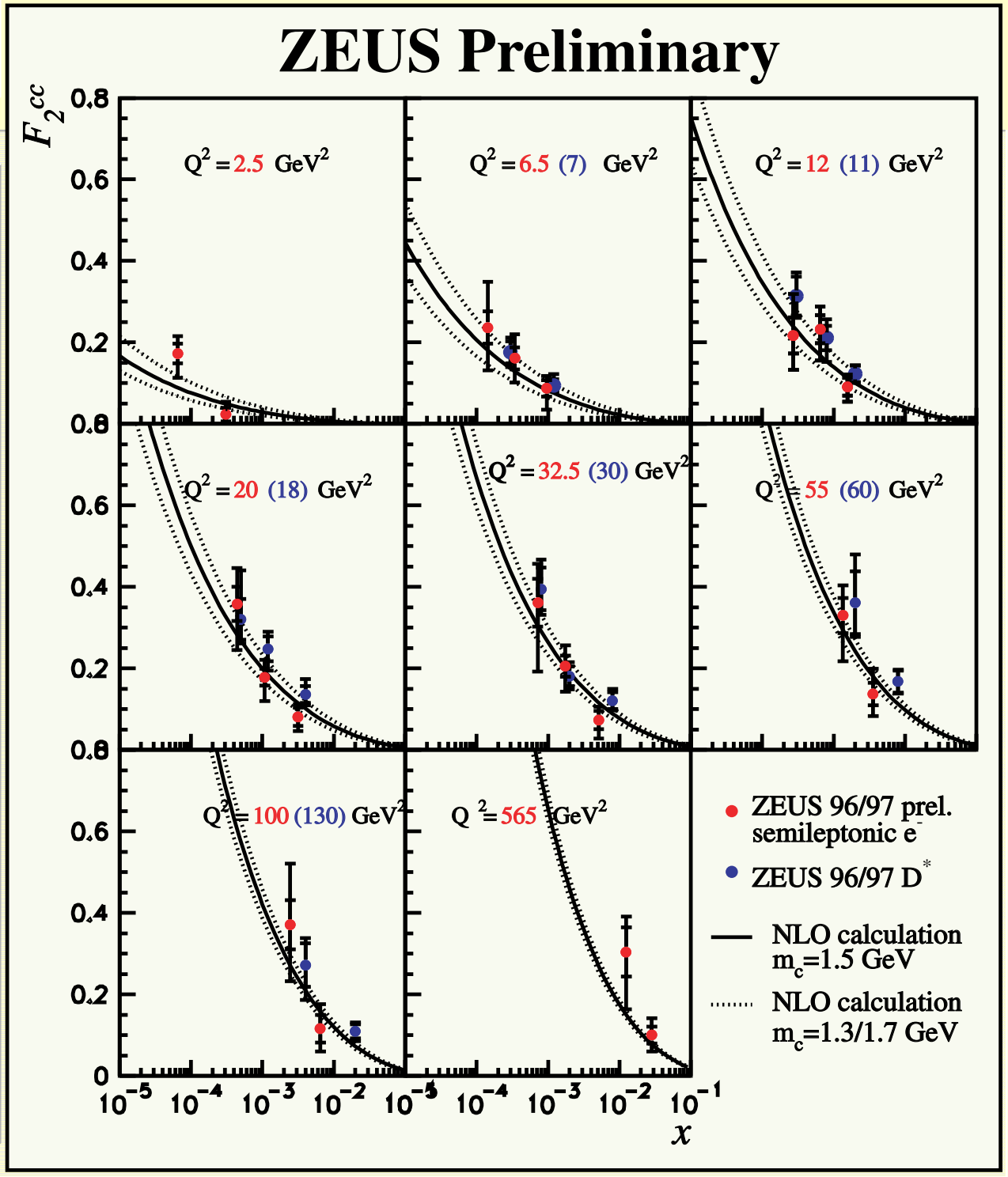
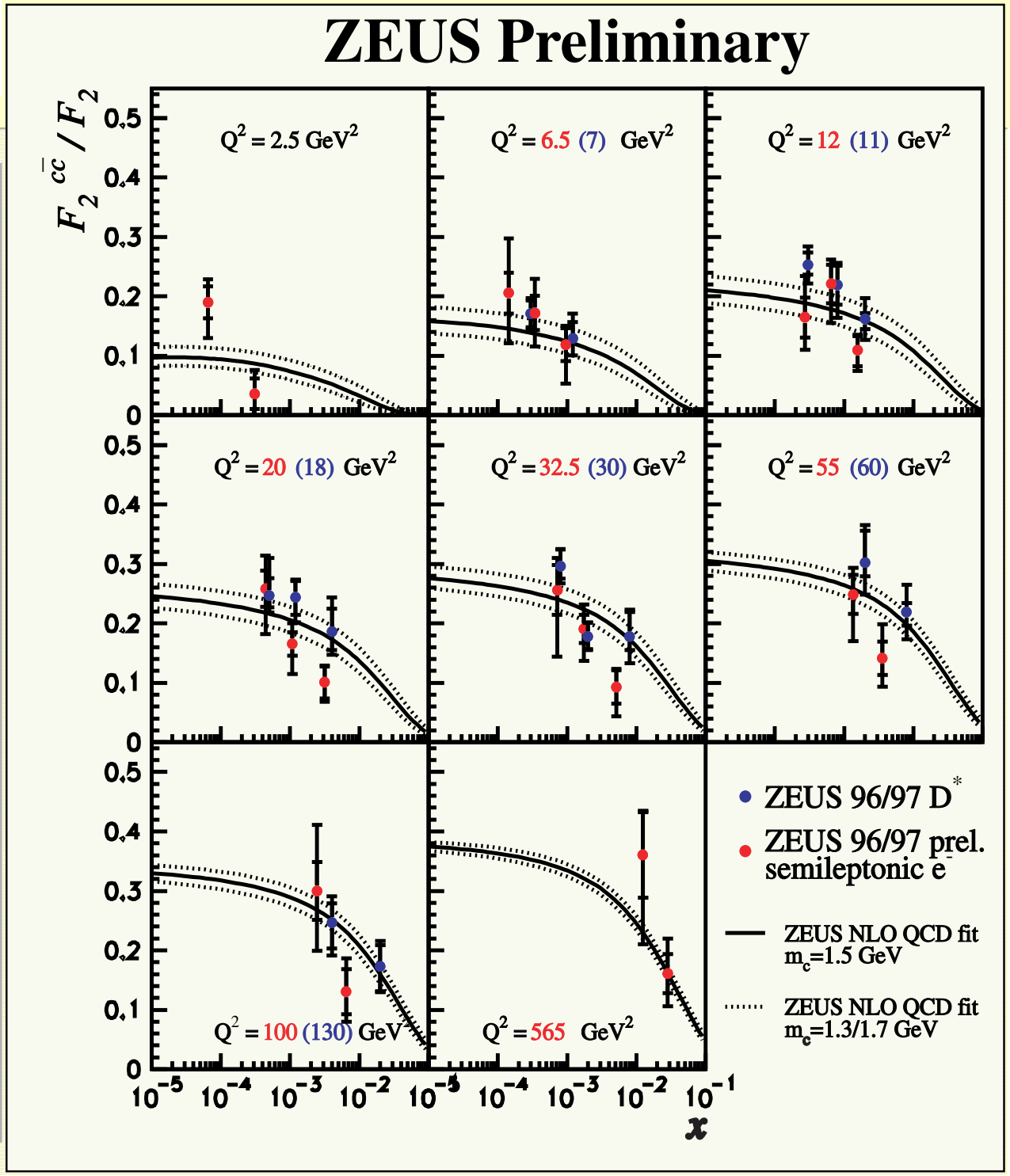
# $F_2^{CHARM}$


ZEUS Preliminary
$F_2^{cc}$
$Q^2 = 2.5$ GeV$^2$
$Q^2 = 6.5$ (7) GeV$^2$
$Q^2 = 12$ (11) GeV$^2$
$Q^2 = 20$ (18) GeV$^2$
$Q^2 = 32.5$ (30) GeV$^2$
$Q^2 = 55$ (60) GeV$^2$
$Q^2 = 100$ (130) GeV$^2$
$Q^2 = 565$ GeV$^2$
ZEUS 96/97 prel. semileptonic e
ZEUS 96/97 D*
NLO calculation $m_c$=1.5 GeV
NLO calculation $m_c$=1.3/1.7 GeV
$x$

# $F_2^{CHARM}/F_2$


ZEUS Preliminary
$F_2^{c\bar{c}}/F_2$
$Q^2 = 2.5$ GeV$^2$
$Q^2 = 6.5$ (7) GeV$^2$
$Q^2 = 12$ (11) GeV$^2$
$Q^2 = 20$ (18) GeV$^2$
$Q^2 = 32.5$ (30) GeV$^2$
$Q^2 = 55$ (60) GeV$^2$
$Q^2 = 100$ (130) GeV$^2$
$Q^2 = 565$ GeV$^2$
0
0.1
0.2
0.3
0.4
0.5
$10^{-5}$ $10^{-4}$ $10^{-3}$ $10^{-2}$ $10^{-1}$
$x$
ZEUS 96/97 $D^*$
ZEUS 96/97 prel. semileptonic $e^-$
ZEUS NLO QCD fit $m_c$=1.5 GeV
ZEUS NLO QCD fit $m_c$=1.3/1.7 GeV