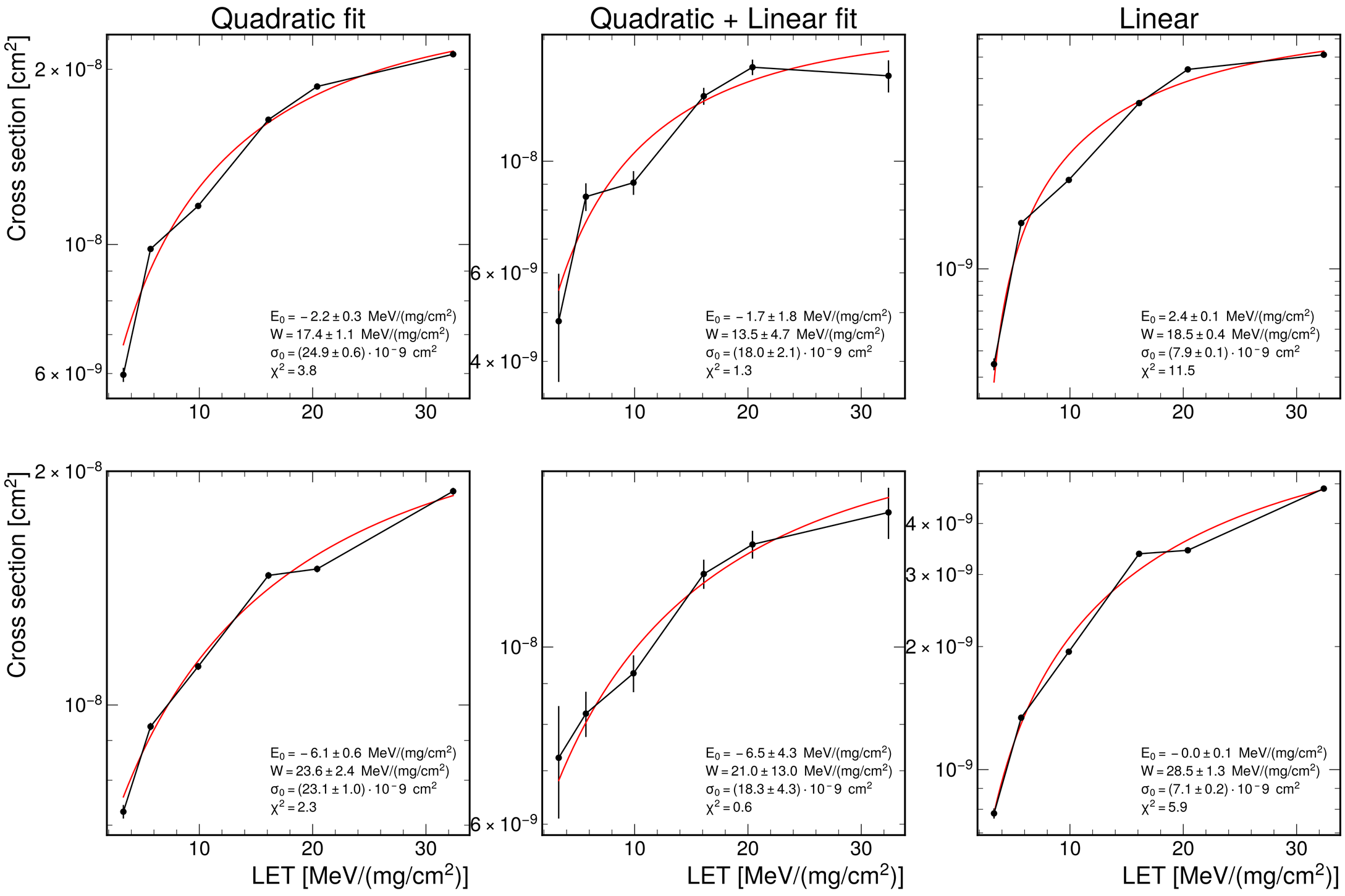
Quadratic fit
Quadratic + Linear fit
Linear
Cross section [cm^2]
LET [MeV/(mg/cm^2)]
$E_0 = -2.2 \pm 0.3$ MeV/(mg/cm^2)
$W = 17.4 \pm 1.1$ MeV/(mg/cm^2)
$\sigma_0 = (24.9 \pm 0.6) \cdot 10^{-9}$ cm^2
$\chi^2 = 3.8$
$E_0 = -1.7 \pm 1.8$ MeV/(mg/cm^2)
$W = 13.5 \pm 4.7$ MeV/(mg/cm^2)
$\sigma_0 = (18.0 \pm 2.1) \cdot 10^{-9}$ cm^2
$\chi^2 = 1.3$
$E_0 = 2.4 \pm 0.1$ MeV/(mg/cm^2)
$W = 18.5 \pm 0.4$ MeV/(mg/cm^2)
$\sigma_0 = (7.9 \pm 0.1) \cdot 10^{-9}$ cm^2
$\chi^2 = 11.5$
$E_0 = -6.1 \pm 0.6$ MeV/(mg/cm^2)
$W = 23.6 \pm 2.4$ MeV/(mg/cm^2)
$\sigma_0 = (23.1 \pm 1.0) \cdot 10^{-9}$ cm^2
$\chi^2 = 2.3$
$E_0 = -6.5 \pm 4.3$ MeV/(mg/cm^2)
$W = 21.0 \pm 13.0$ MeV/(mg/cm^2)
$\sigma_0 = (18.3 \pm 4.3) \cdot 10^{-9}$ cm^2
$\chi^2 = 0.6$
$E_0 = -0.0 \pm 0.1$ MeV/(mg/cm^2)
$W = 28.5 \pm 1.3$ MeV/(mg/cm^2)
$\sigma_0 = (7.1 \pm 0.2) \cdot 10^{-9}$ cm^2
$\chi^2 = 5.9$