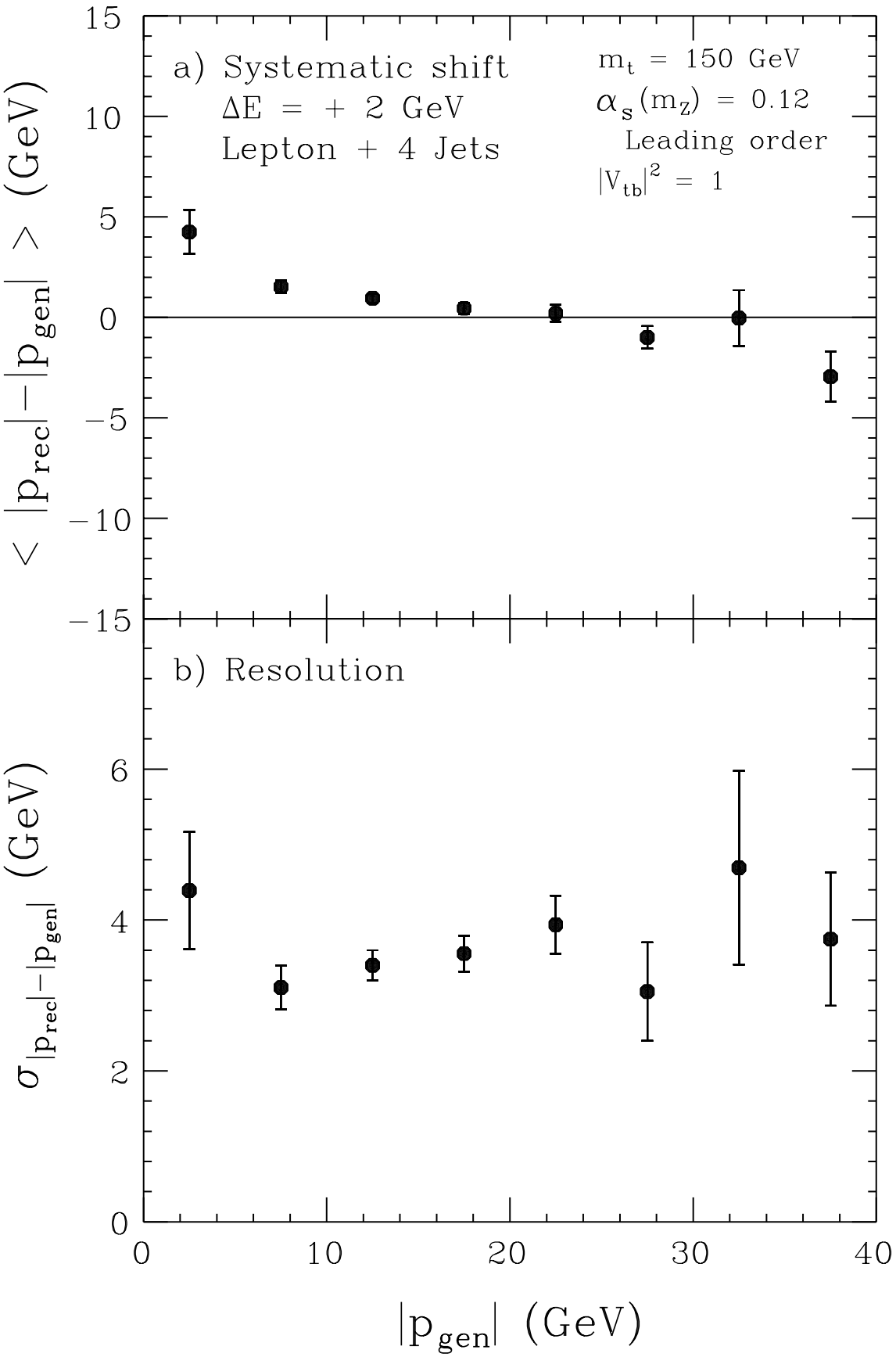
a) Systematic shift
ΔE = + 2 GeV
Lepton + 4 Jets
m_t = 150 GeV
$\alpha_s(m_Z)$ = 0.12
Leading order
$|V_{tb}|^2$ = 1
$< |p_{rec}| - |p_{gen}| >$ (GeV)
b) Resolution
$\sigma_{|p_{rec}|-|p_{gen}|}$ (GeV)
$|p_{gen}|$ (GeV)
15
10
5
0
−5
−10
−15
6
4
2
0
0
10
20
30
40