m_π vs. $(m^2 g)^{1/3}$ for $N_f = 2$ with Wilson fermions and mass reweighting

August 4, 2022

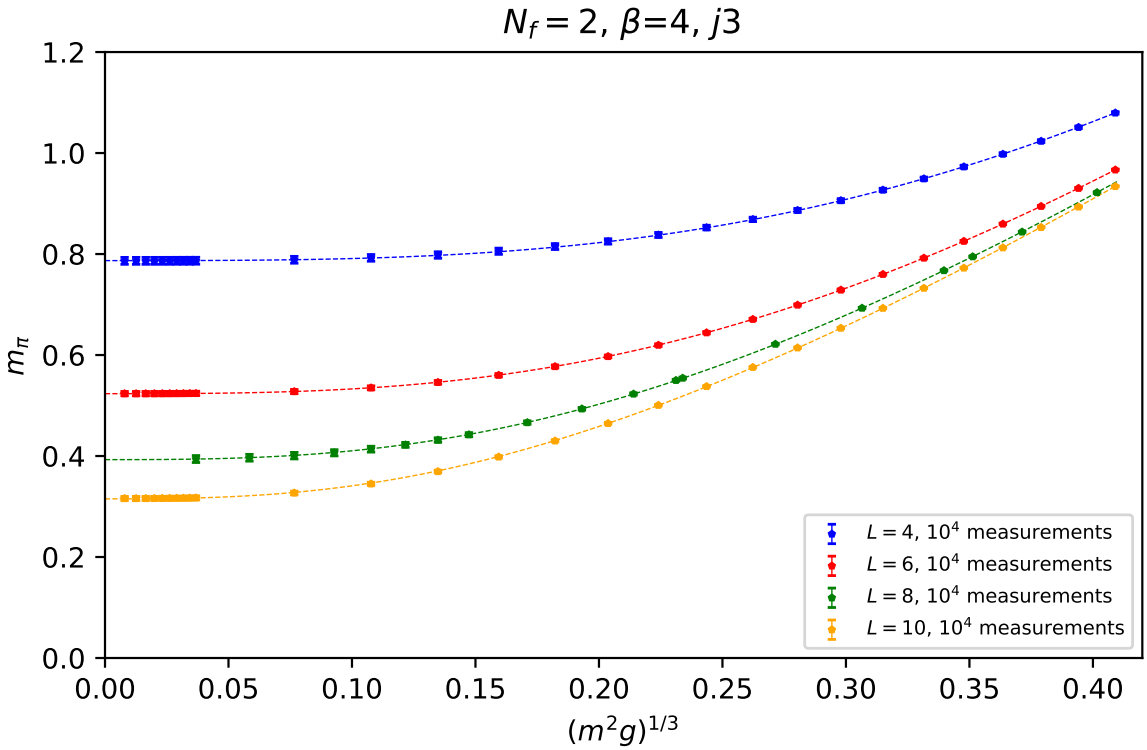
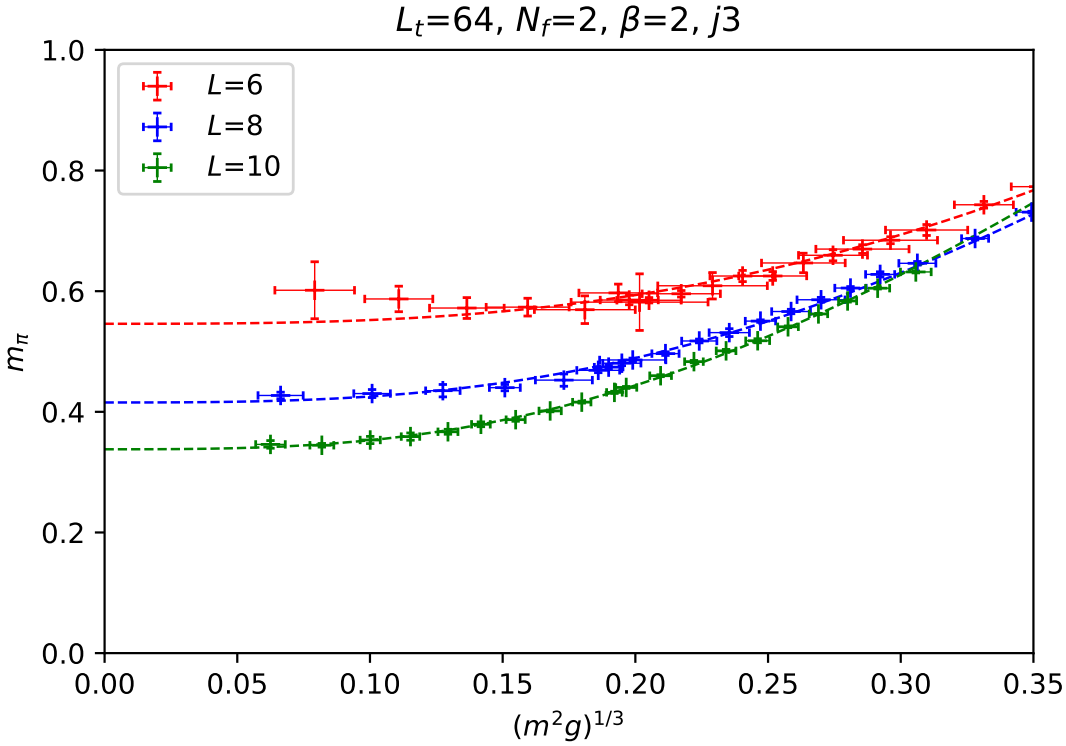
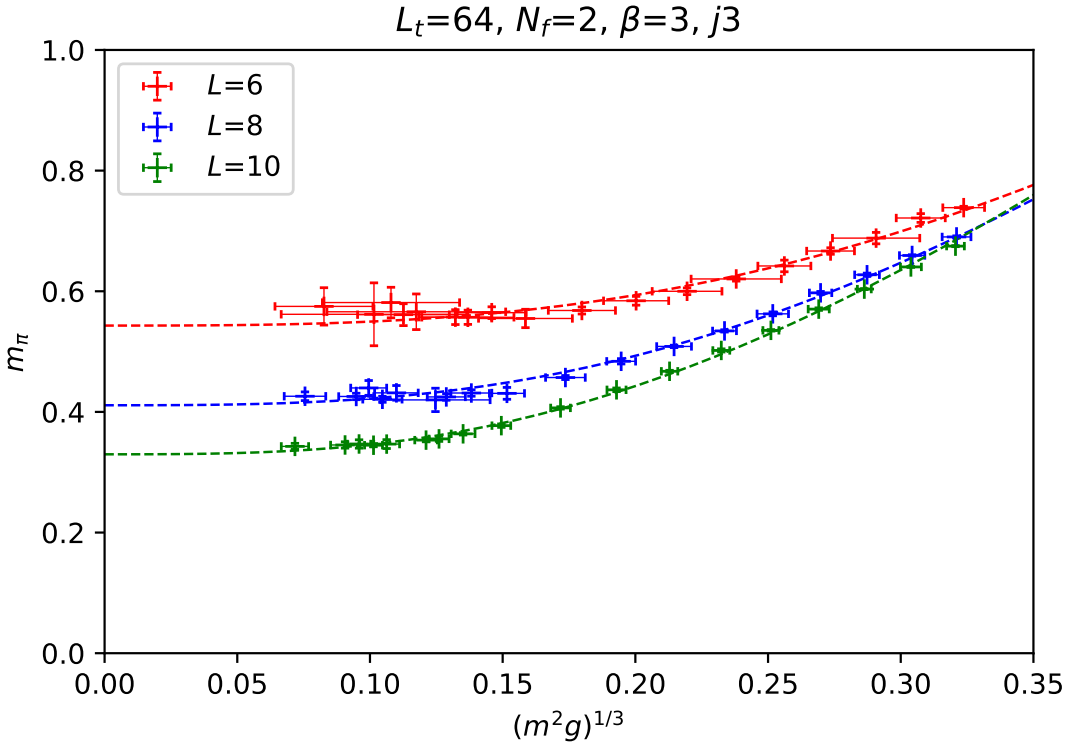


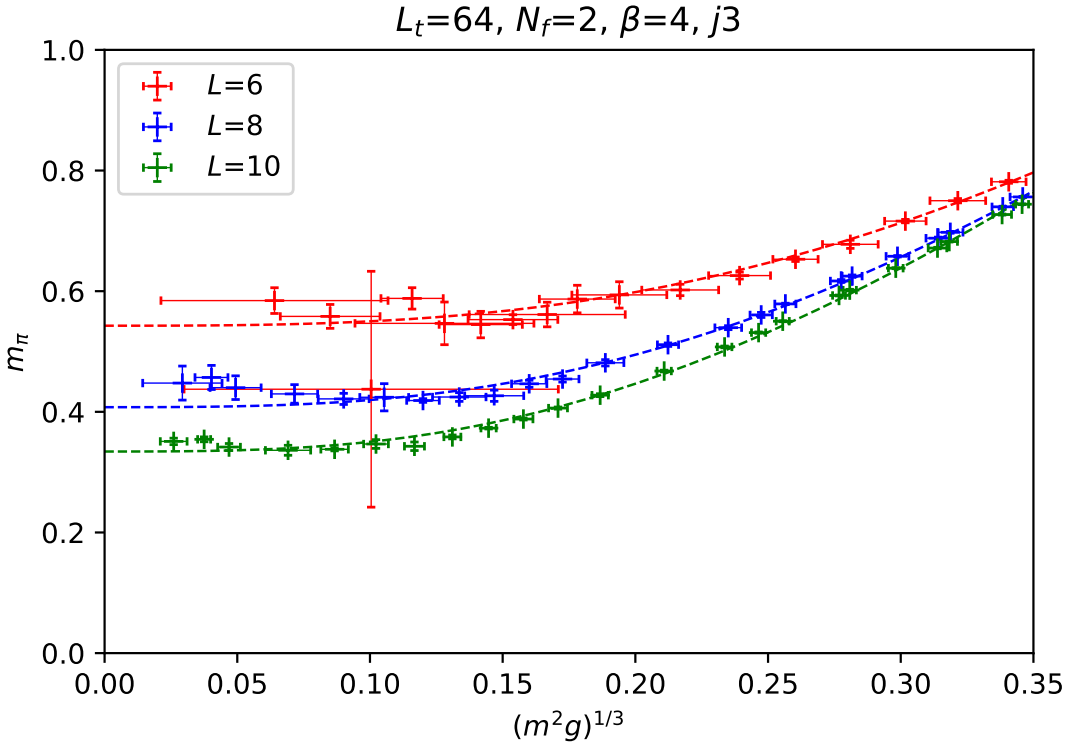
Figure 1: m_π vs. $(m^2 g)^{1/3}$ for $N_f = 2$, $\beta = 4$ and mass reweighting


L_t=64, N_f=2, β=2, $j3$
L=6
L=8
L=10
m_π
$(m^2g)^{1/3}$
0.0
0.2
0.4
0.6
0.8
1.0
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35

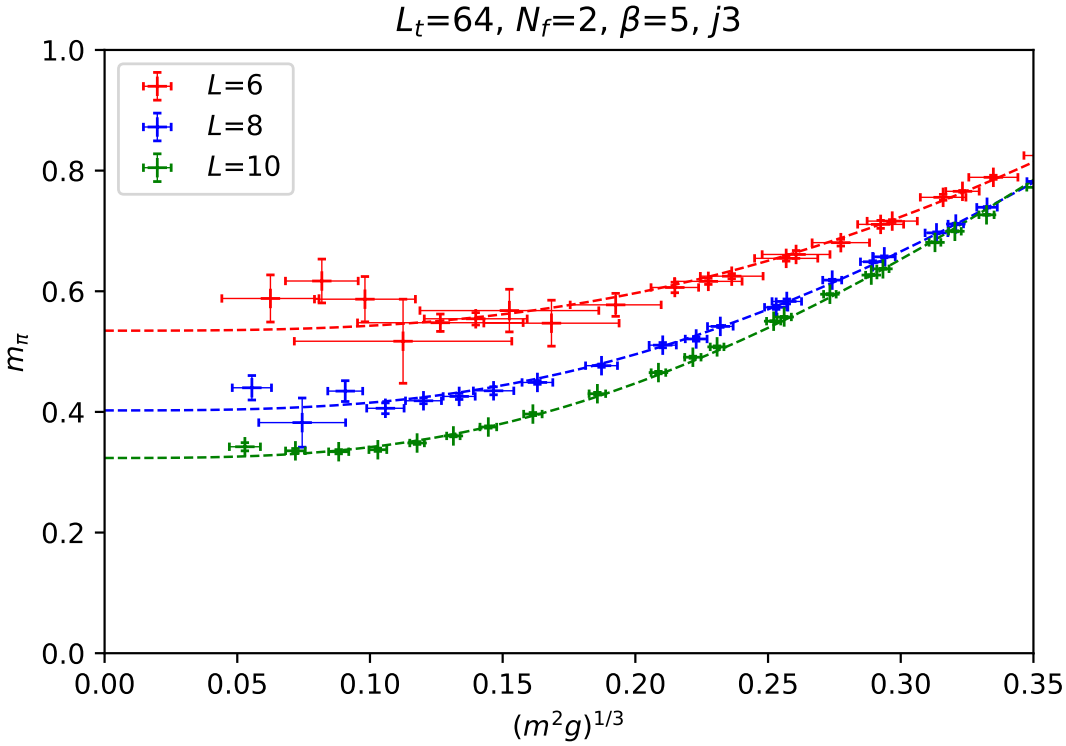
(a)


L_t=64, N_f=2, β=3, $j3$
L=6
L=8
L=10
m_π
$(m^2g)^{1/3}$
0.0
0.2
0.4
0.6
0.8
1.0
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35

(b)

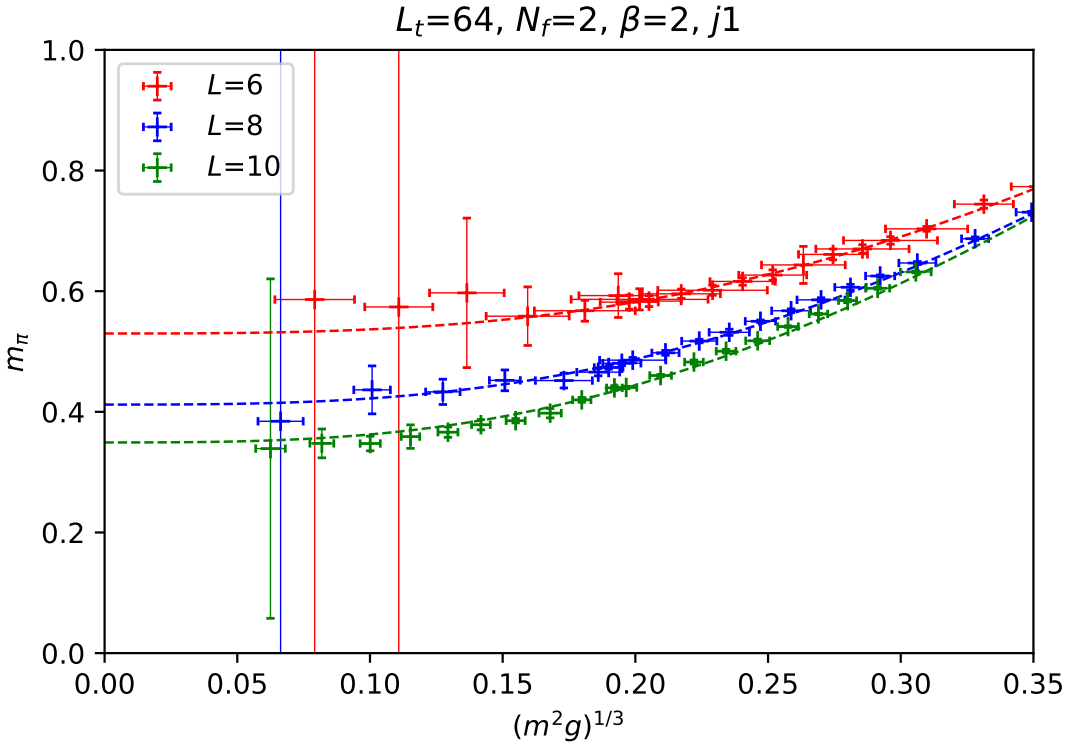


(c)

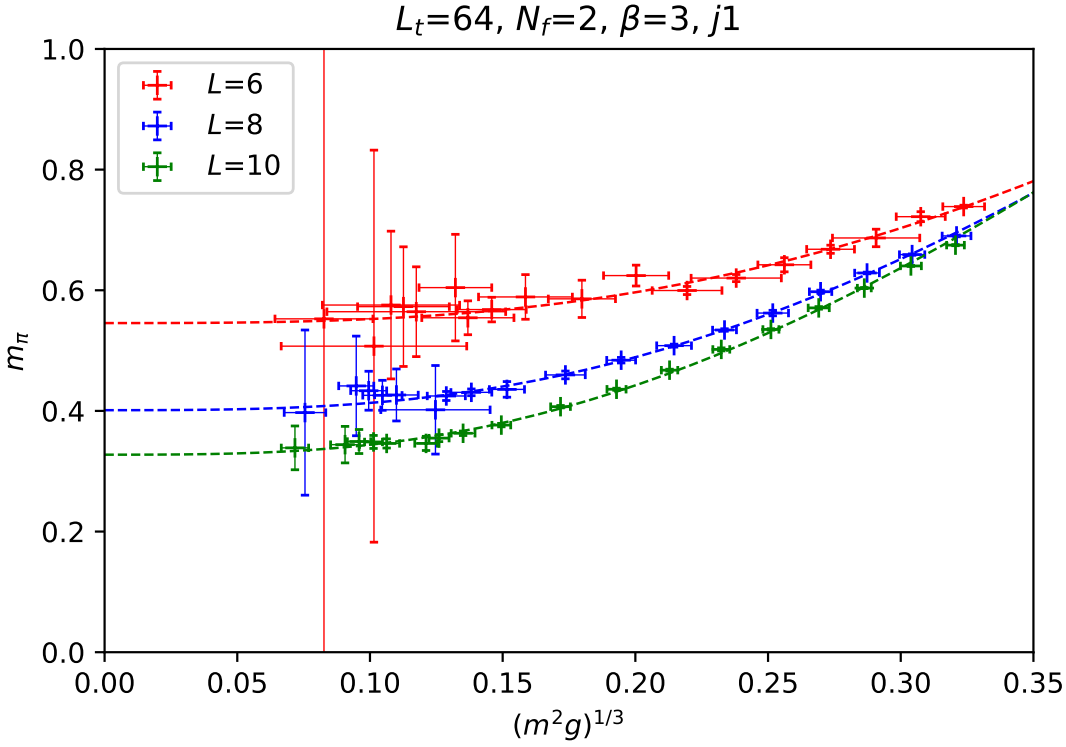


(d)

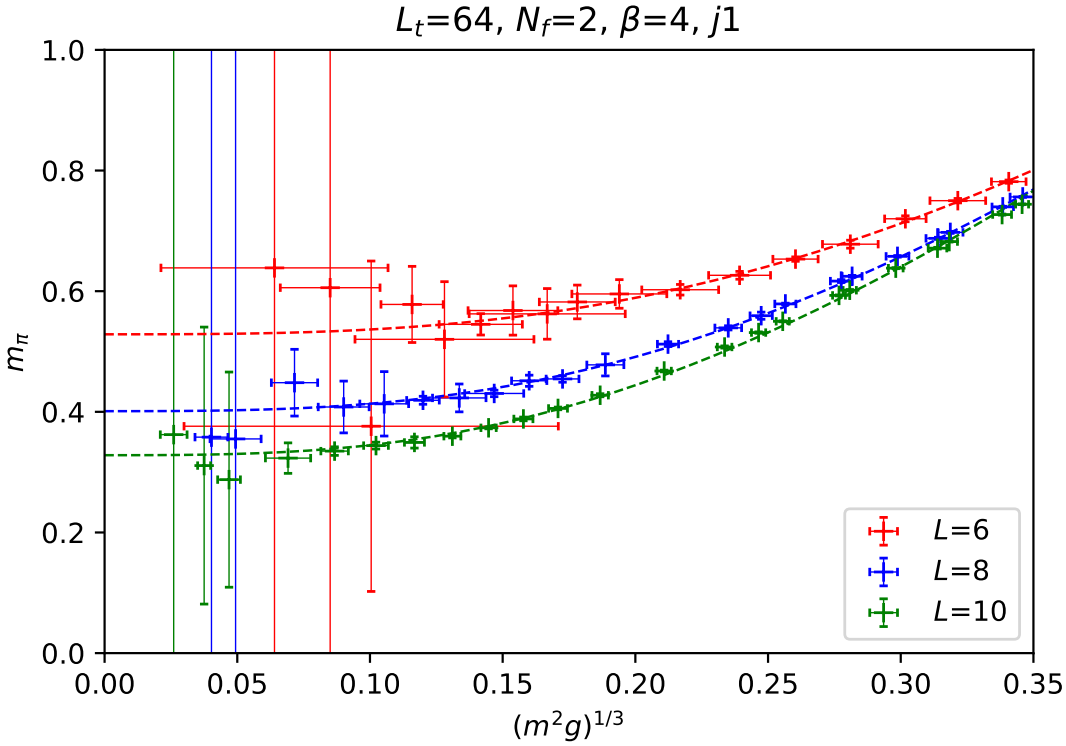
Figure 2: m_π vs. $(m^2g)^{1/3}$ for $N_f = 2$ and $j = 3$ with Wilson fermions


L_t=64, N_f=2, β=2, $j1$
L=6
L=8
L=10
m_π
$(m^2g)^{1/3}$
0.0
0.2
0.4
0.6
0.8
1.0
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35

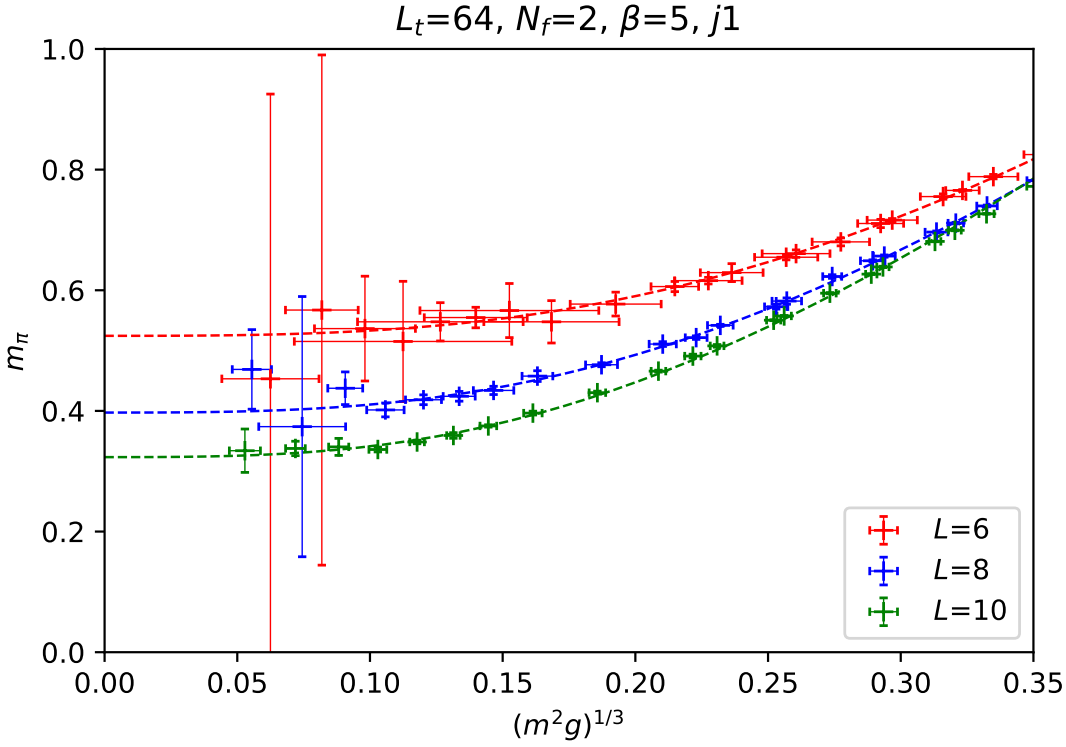
(a)


L_t=64, N_f=2, β=3, $j1$
L=6
L=8
L=10
m_π
$(m^2g)^{1/3}$
0.0
0.2
0.4
0.6
0.8
1.0
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35

(b)



(c)



(d)

Figure 3: m_π vs. $(m^2g)^{1/3}$ for $N_f = 2$ and $j = 1$ with Wilson fermions