Jaime Fabián Nieto Castellanos

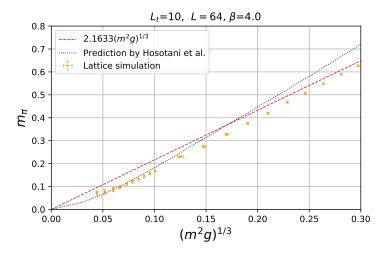
September 2, 2021

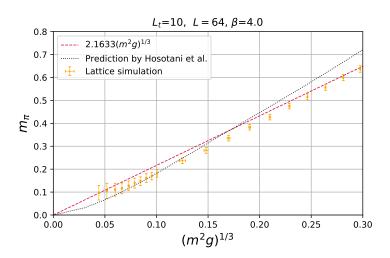
High precision results

The following results were obtained through several simulations on lattices of size 64×10 , 64×12 and 64×16 with the parameters shown in Table 1

Ntime	64
Ntherm	1000
Nmeasure	10000
Trajectory Steps	10
Nsteps	120
β	4

Table 1: All the simulations were performed with this parameters.





(b) Number of points used to fit the plateau: 3

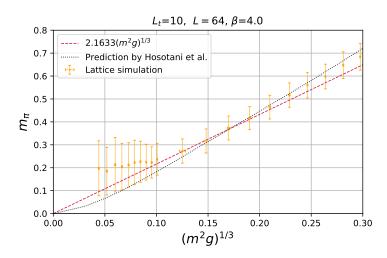
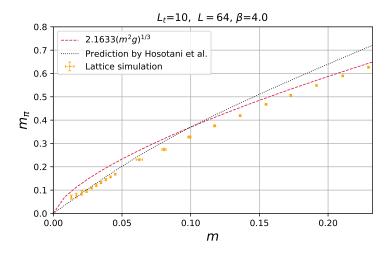
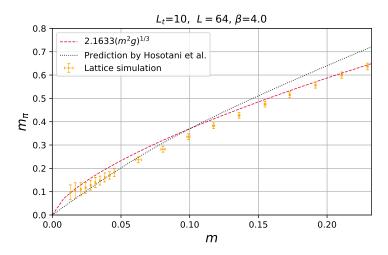


Figure 1: Comparison of $(m^2g)^{1/3}$ vs. m_{π} for different number of points used to fit the mass plateau of the pion.





(b) Number of points used to fit the plateau: 3

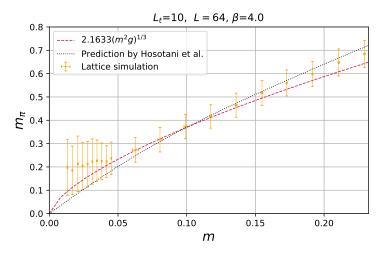
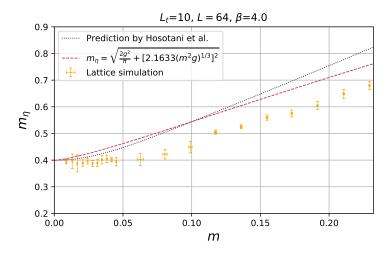
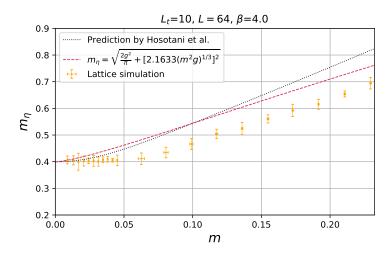


Figure 2: Comparison of m vs. m_{π} for different number of points used to fit the mass plateau of the pion.





(b) Number of points used to fit the plateau: 3

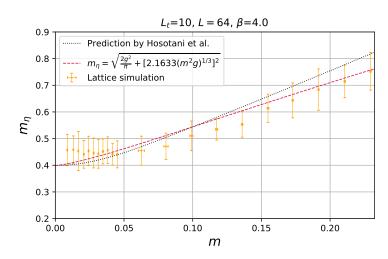
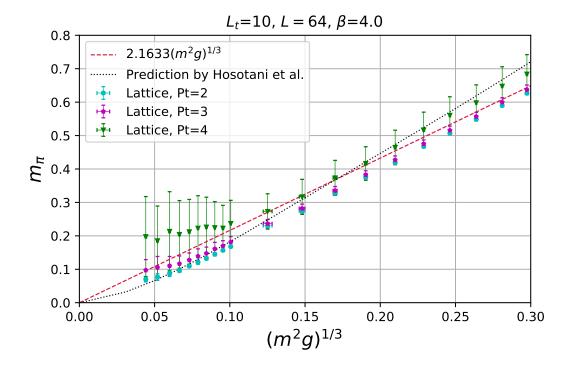


Figure 3: Comparison of m vs. m_{η} for different number of points used to fit the mass plateau of the pion.



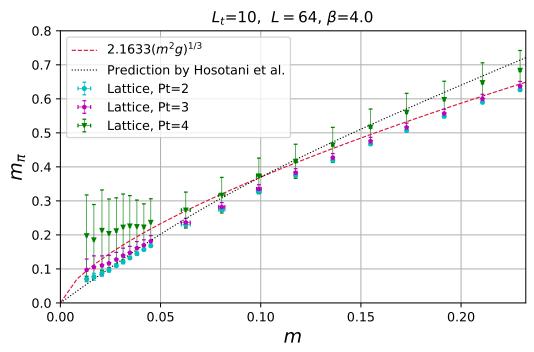
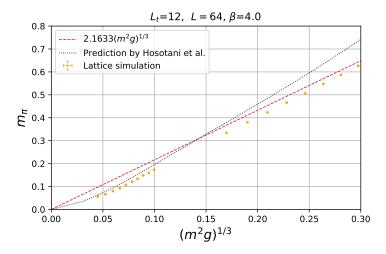
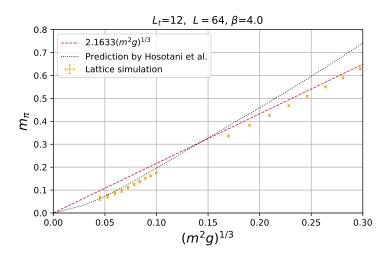


Figure 4: All the results in one plot.





(b) Number of points used to fit the plateau: 3

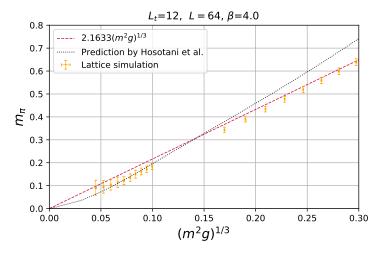
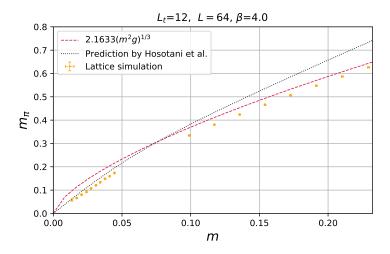
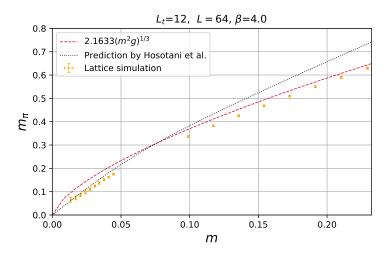


Figure 5: Comparison of $(m^2g)^{1/3}$ vs. m_{π} for different number of points used to fit the mass plateau of the pion.





(b) Number of points used to fit the plateau: 3

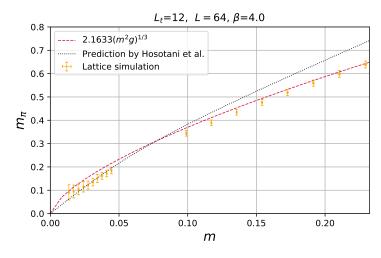
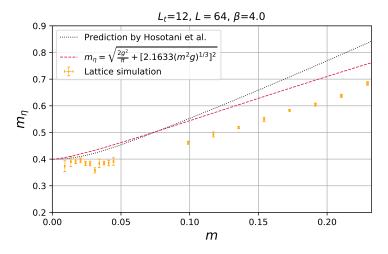
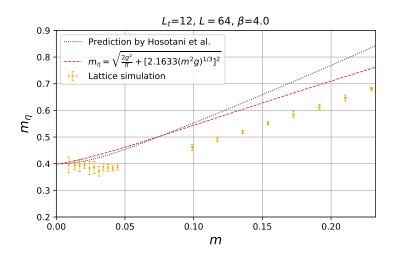


Figure 6: Comparison of m vs. m_{π} for different number of points used to fit the mass plateau of the pion.





(b) Number of points used to fit the plateau: 3

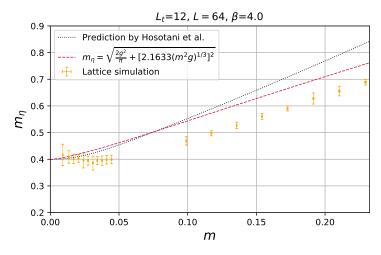
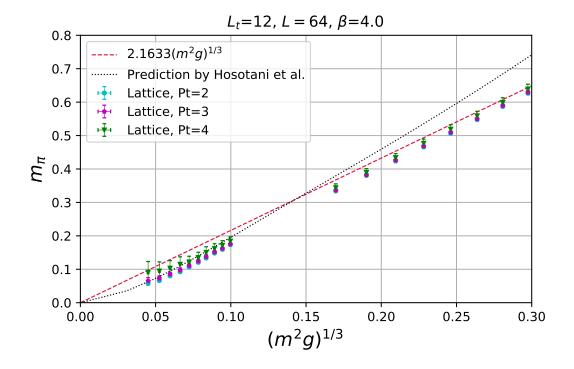


Figure 7: Comparison of m vs. m_{η} for different number of points used to fit the mass plateau of the pion.



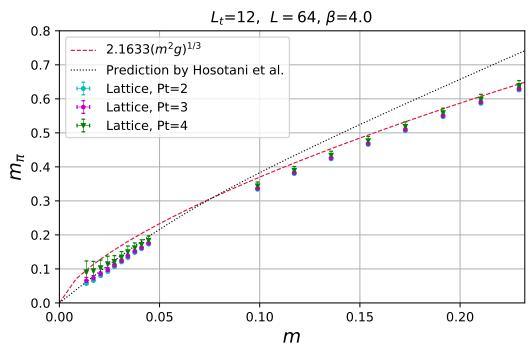
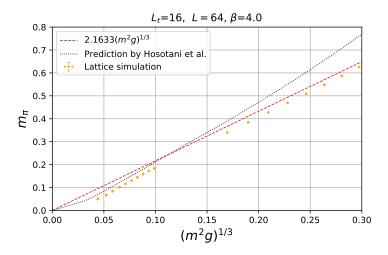
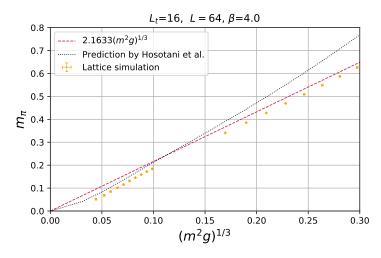


Figure 8: All the results in one plot.





(b) Number of points used to fit the plateau: 3

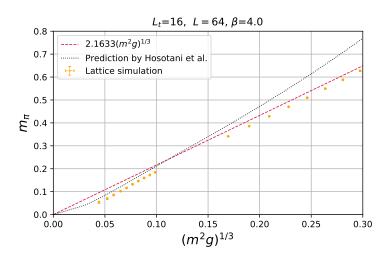
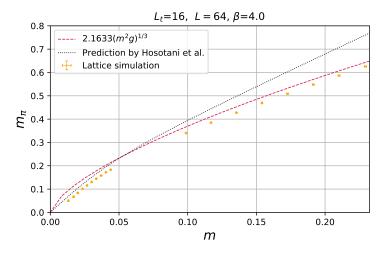
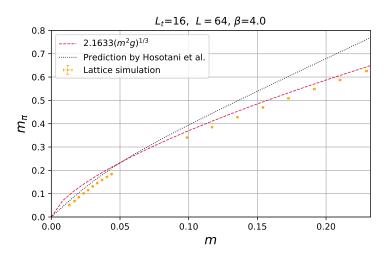


Figure 9: Comparison of $(m^2g)^{1/3}$ vs. m_{π} for different number of points used to fit the mass plateau of the pion.





(b) Number of points used to fit the plateau: 3

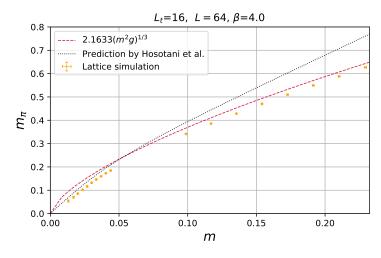
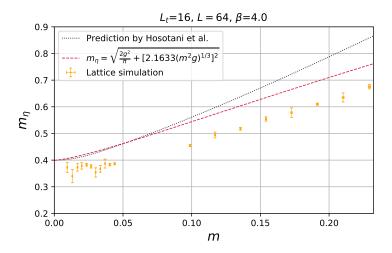
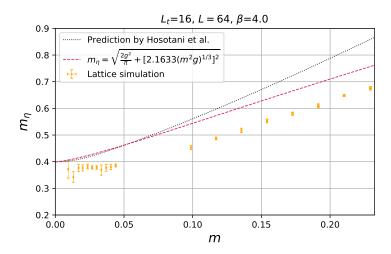


Figure 10: Comparison of m vs. m_{π} for different number of points used to fit the mass plateau of the pion.





(b) Number of points used to fit the plateau: 3

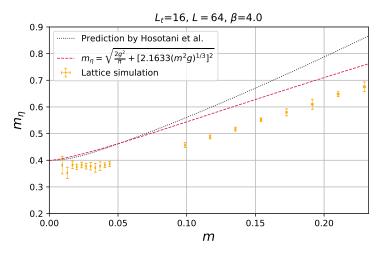
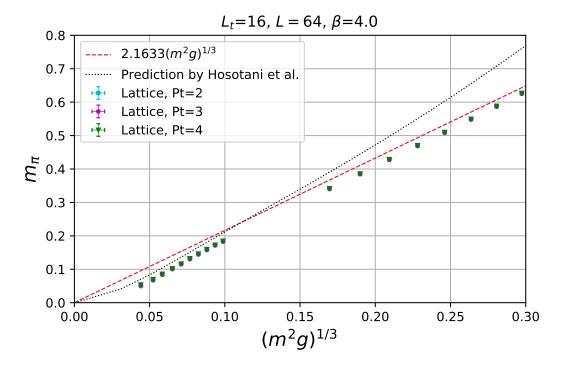


Figure 11: Comparison of m vs. m_{η} for different number of points used to fit the mass plateau of the pion.



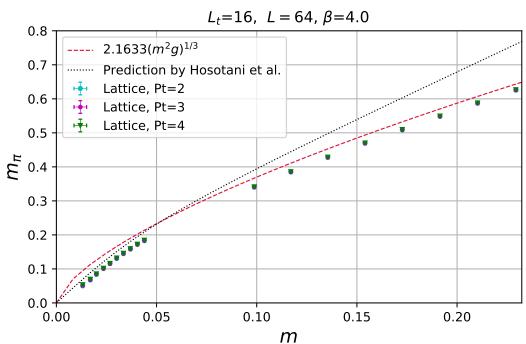


Figure 12: All the results in one plot.