

2+1+1: π_0

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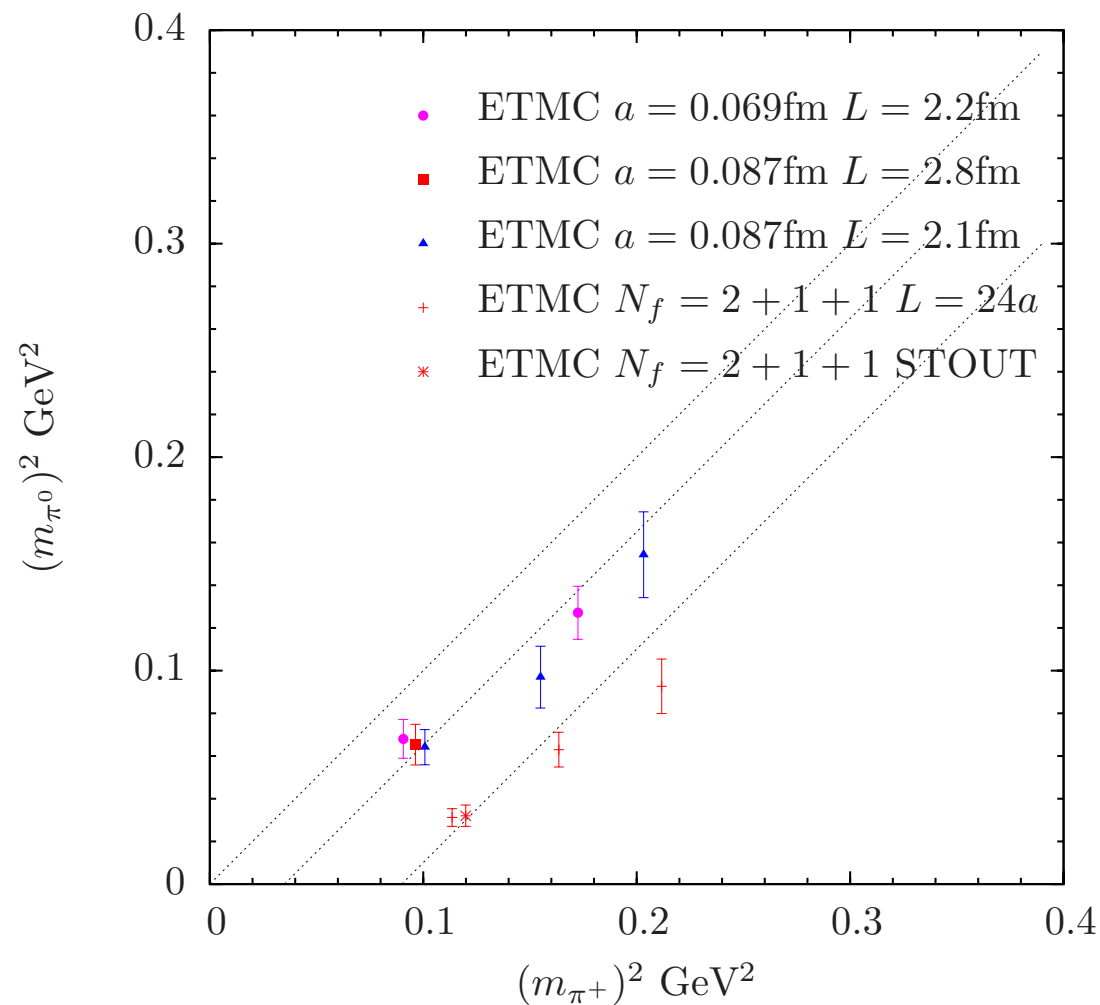
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Neutral pions

$$m(\pi^+)^2 - m(\pi^0)^2 = ca^2/r_0^4$$

$$N_f = 2 \quad c \approx -5 \quad N_f = 2 + 1 + 1 \quad c \approx -13$$



2+1+1 Mesons

Also evaluate masses ρ^+ ; ρ^0 ; η' ; ω .

At $\mu = 0.004$; 0.006 ; 0.008 . Results similar to $N_f = 2$.

