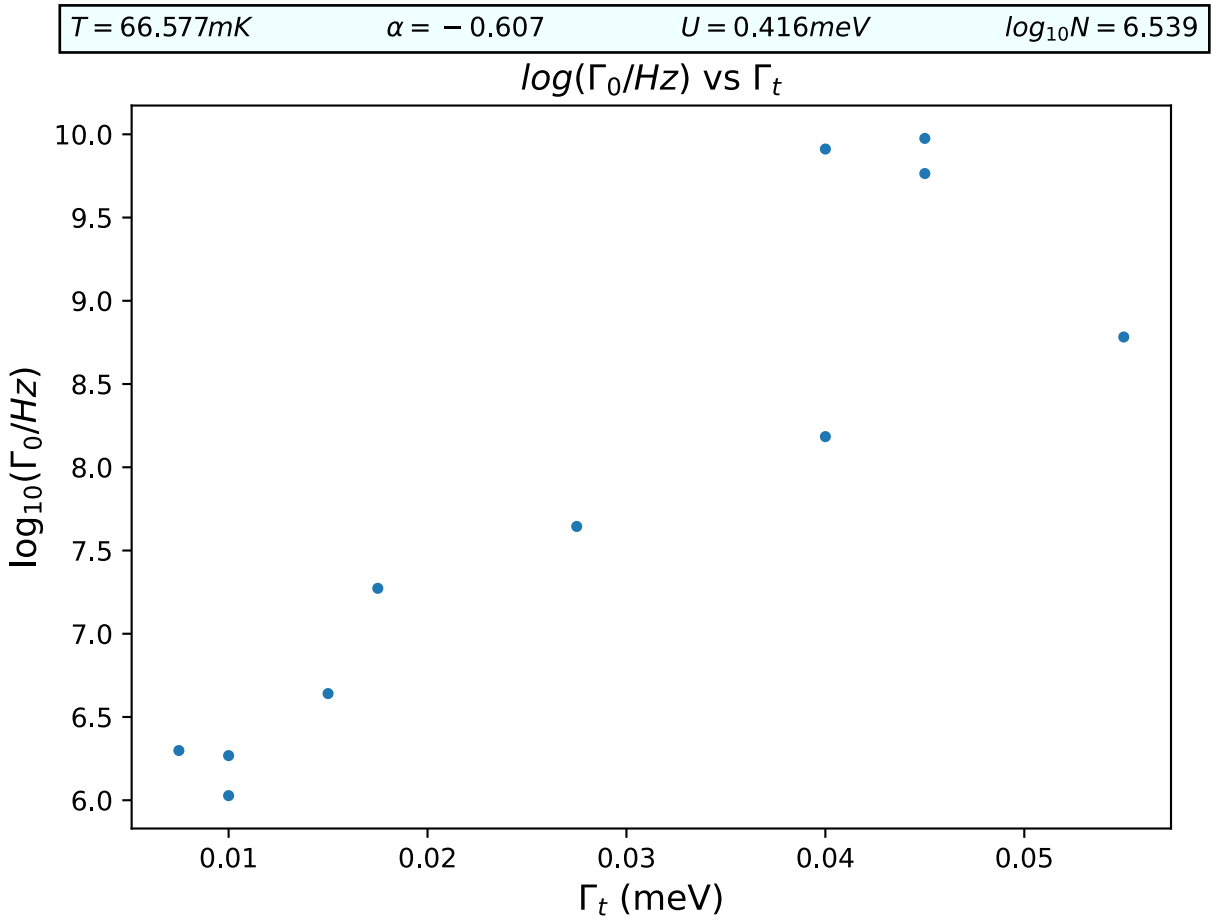
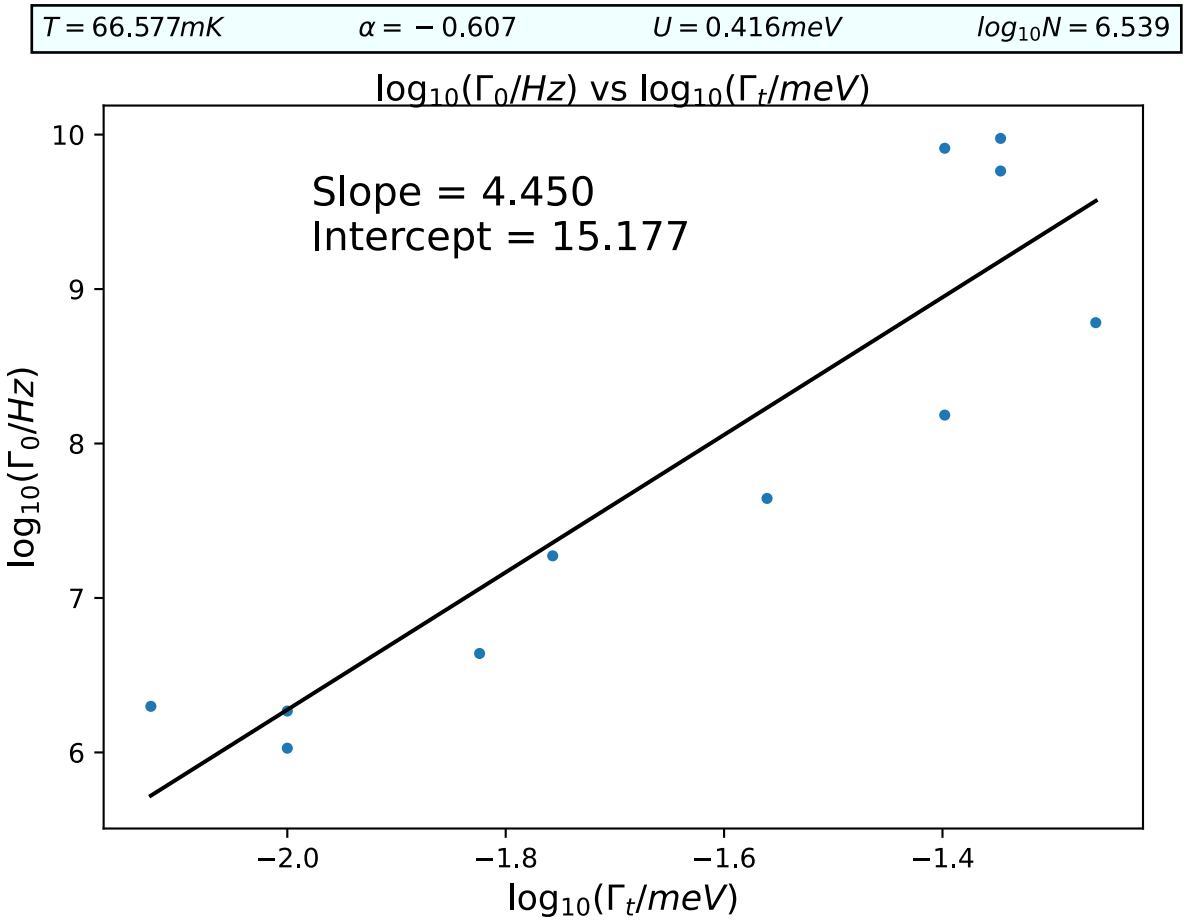
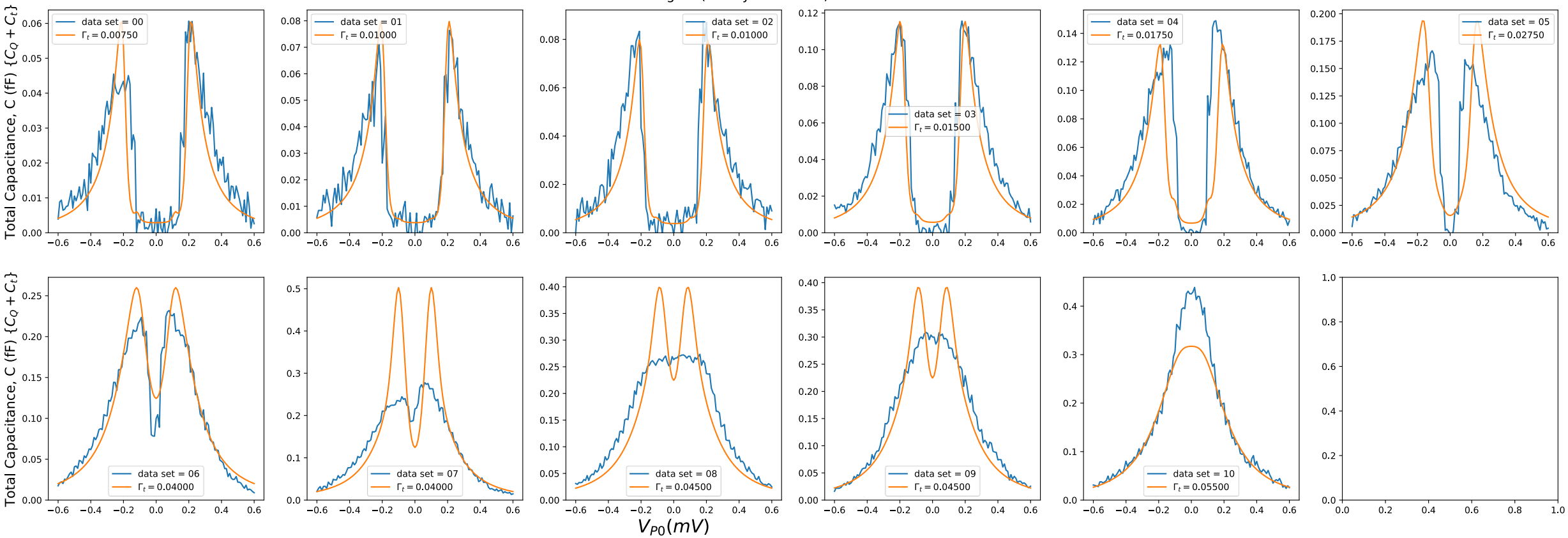
Results of the Double fit procedure: Optimize $\{T, \alpha, U, N, \Gamma_t\}$ for C_q Then fit Γ_0 as a local parameter for C_{total} and G





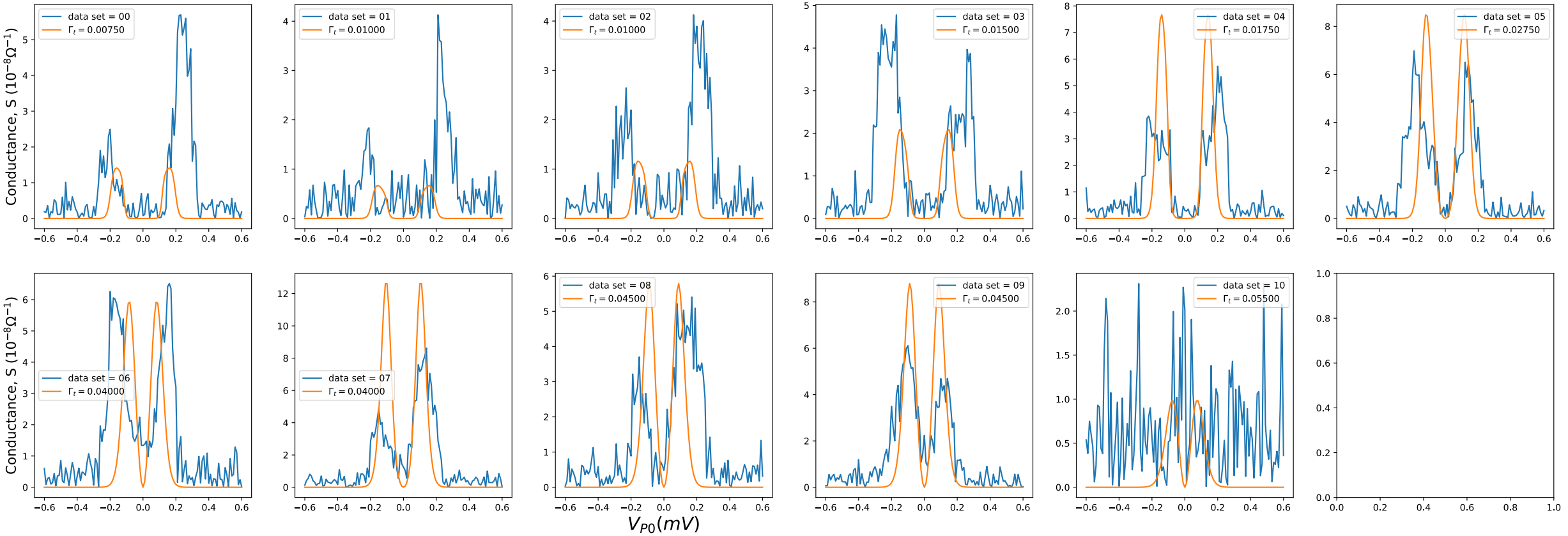
$T = 66.577mK$ $\alpha = -0.607$ $U = 0.416meV$ $log_{10}N = 6.539$

Stage 8 (Not Symmetrized) TW = 578.0



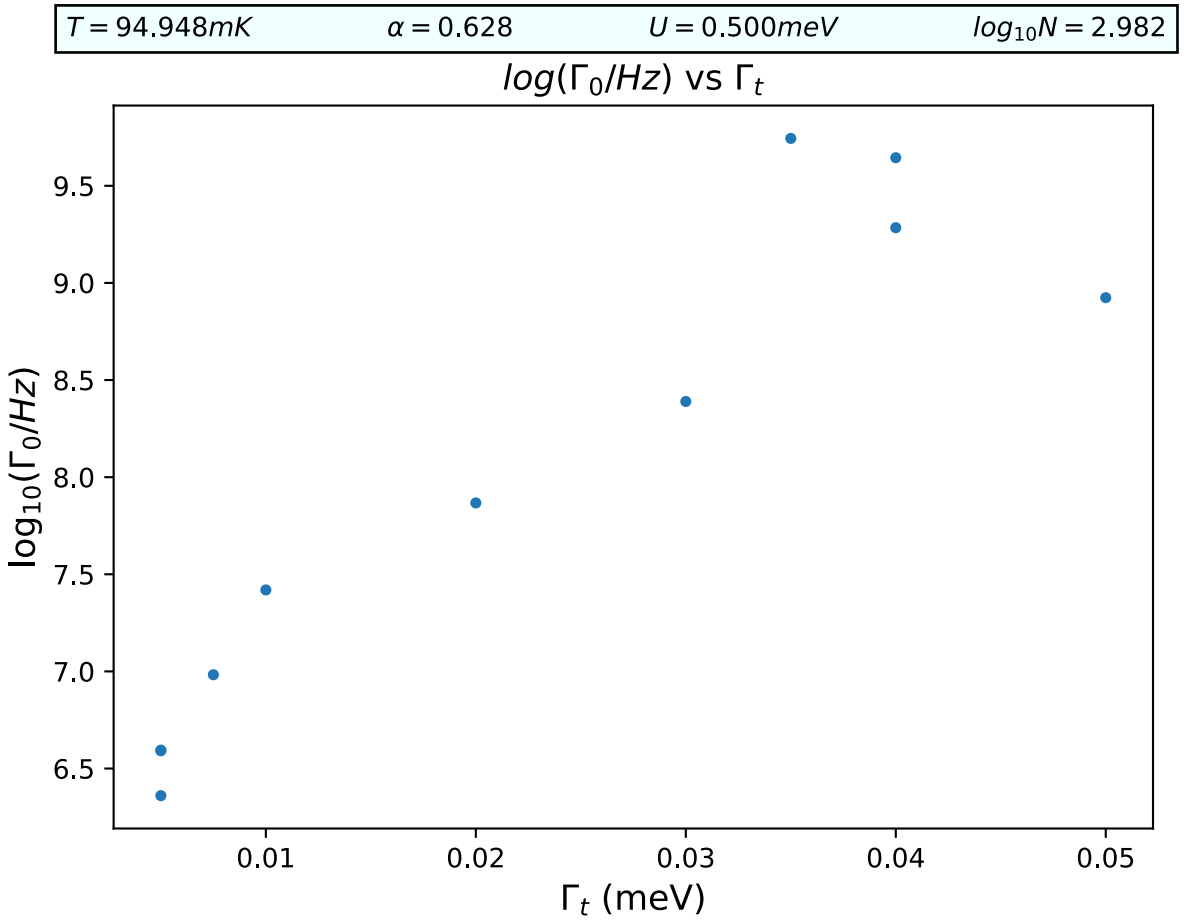
$T = 66.577mK$ $\alpha = -0.607$ $U = 0.416meV$ $log_{10}N = 6.539$

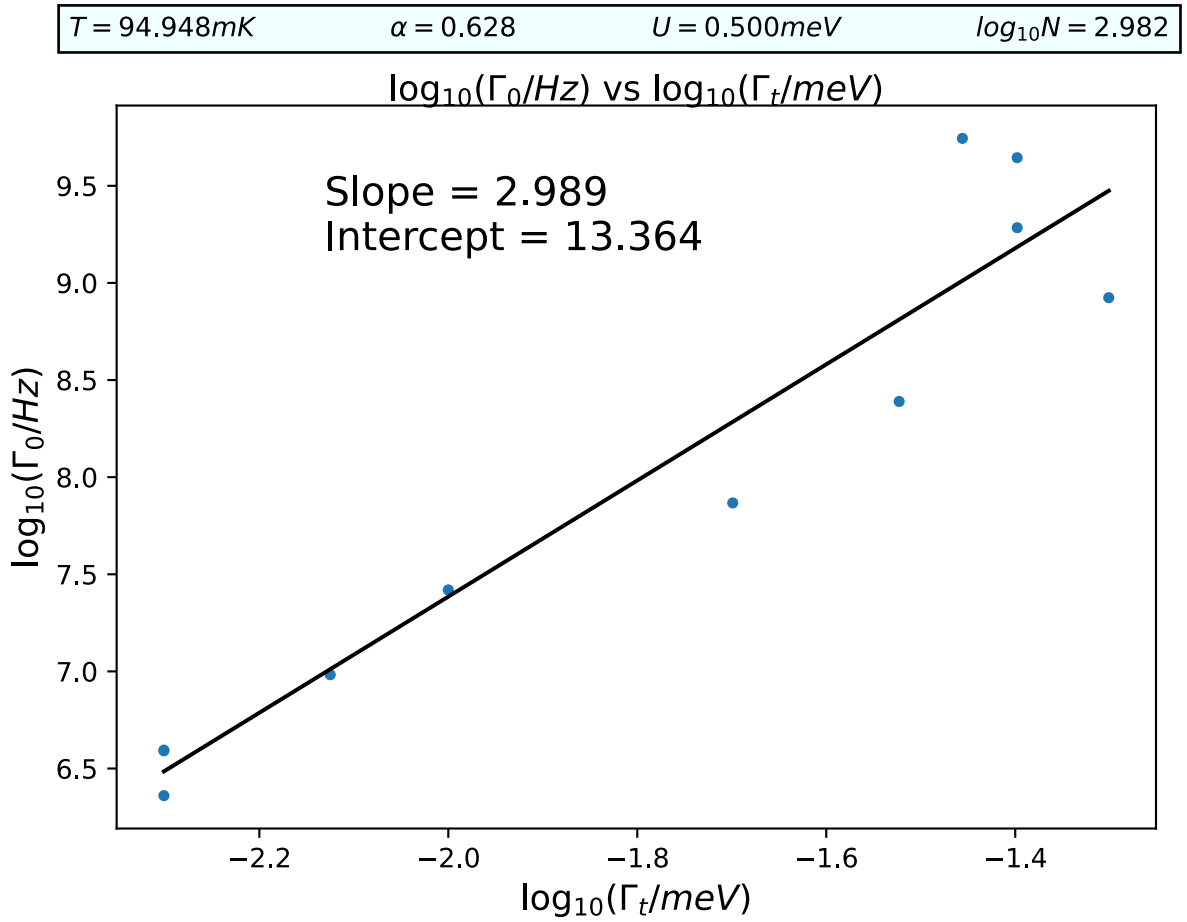
Stage 8 (Not Symmetrized) TW = 578.0



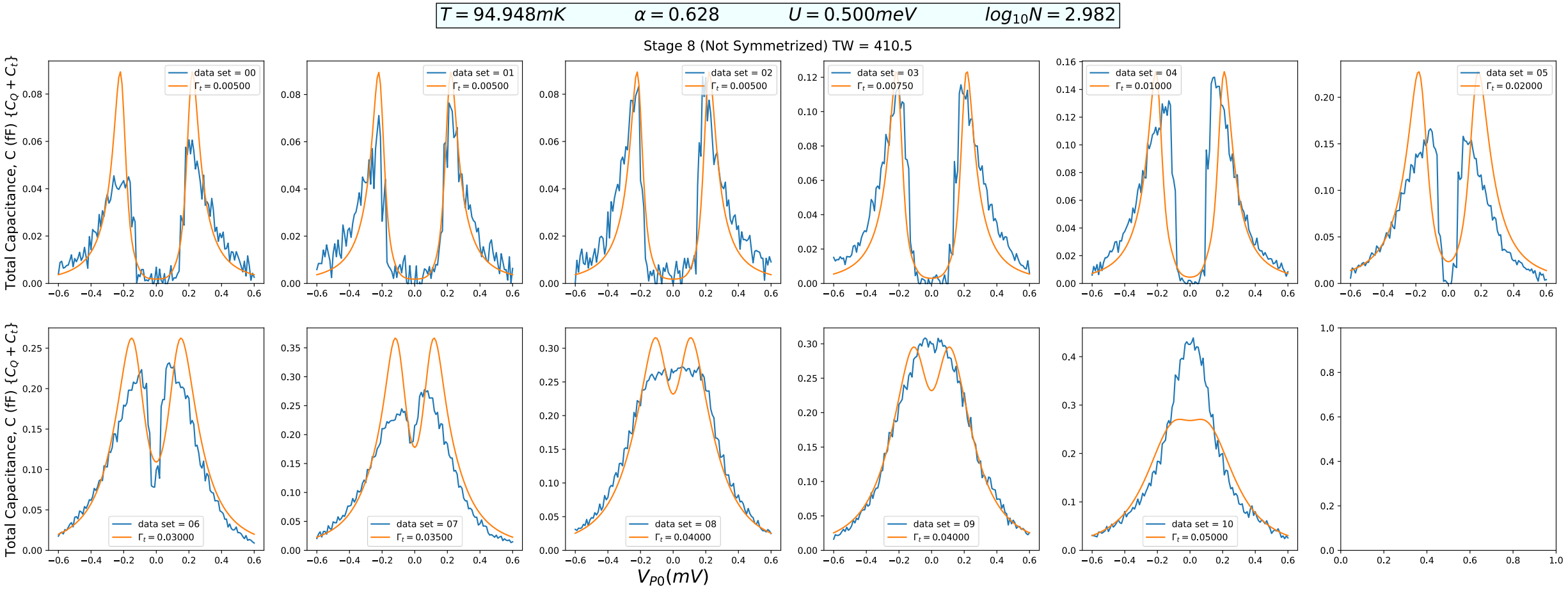
Results of the Double fit procedure: Optimize $\{T, \alpha, U, N, \Gamma_t\}$ for C_q Then fit Γ_0 as a local parameter for C_{total} and G

If we consider the next best C_q fit values, the Quantum capacitance cost increases by about 20 % (46 -> 58)



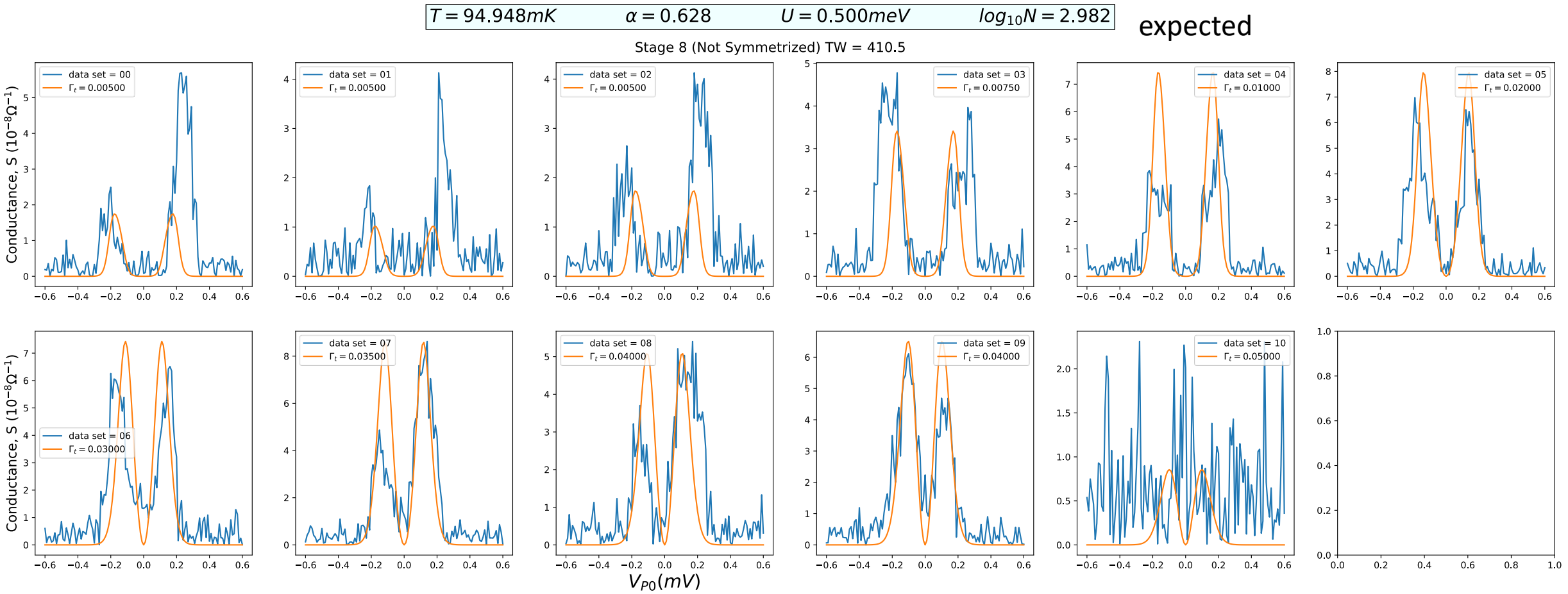


The Capacitance fits don’t change much



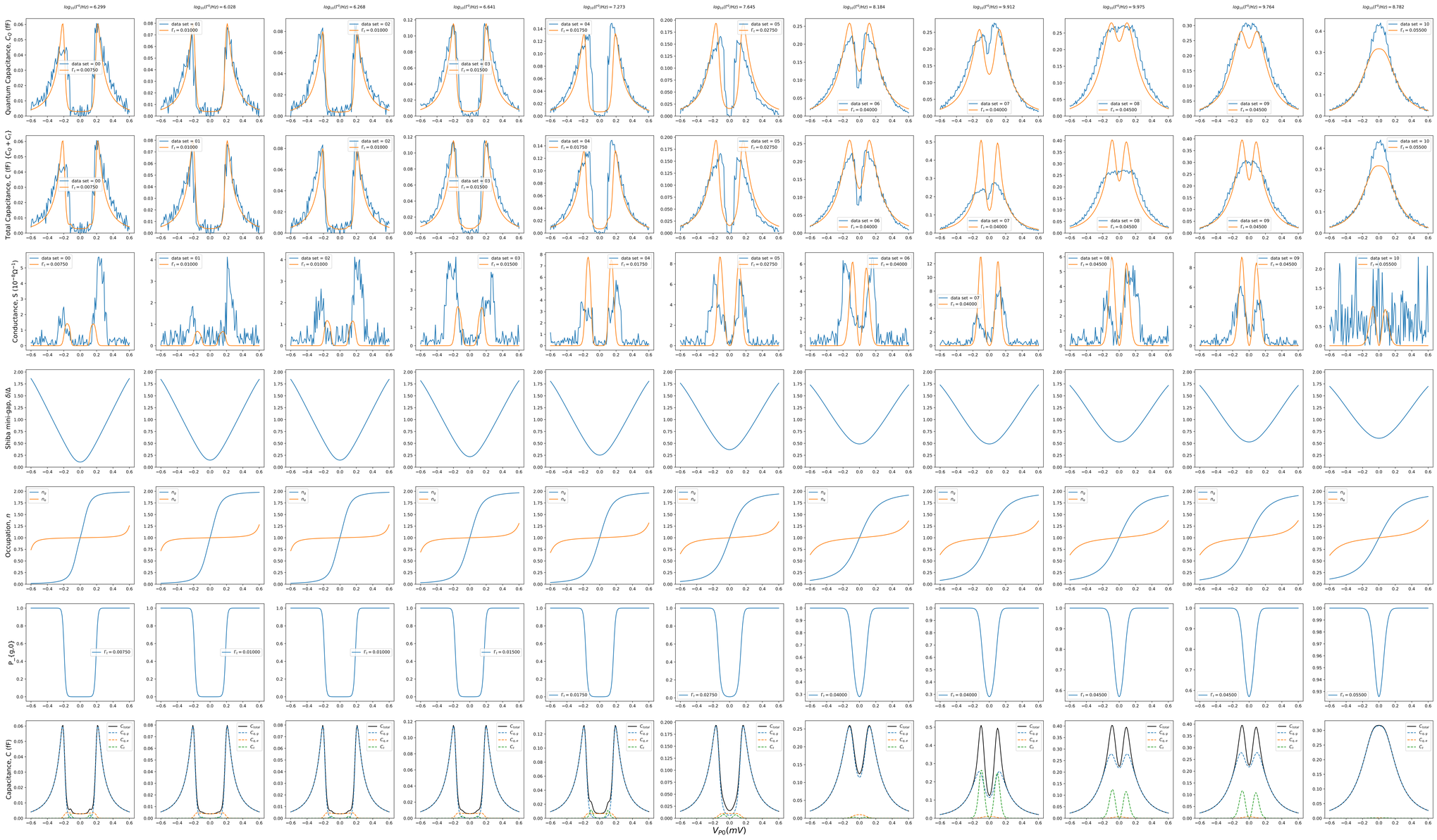
But the conductance fits are quite better, and a reduction in the overall cost (578 -> 410)

But the N value is lower than expected



$T = 66.577mK$ $\alpha = -0.607$ $U = 0.416meV$ $log_{10}N = 6.539$

Stage 7 (Not Symmetrized) TW = 578.8



$T = 94.948mK$ $\alpha = 0.628$ $U = 0.500meV$ $log_{10}N = 2.982$

Stage 7 (Not Symmetrized) TW = 409.9