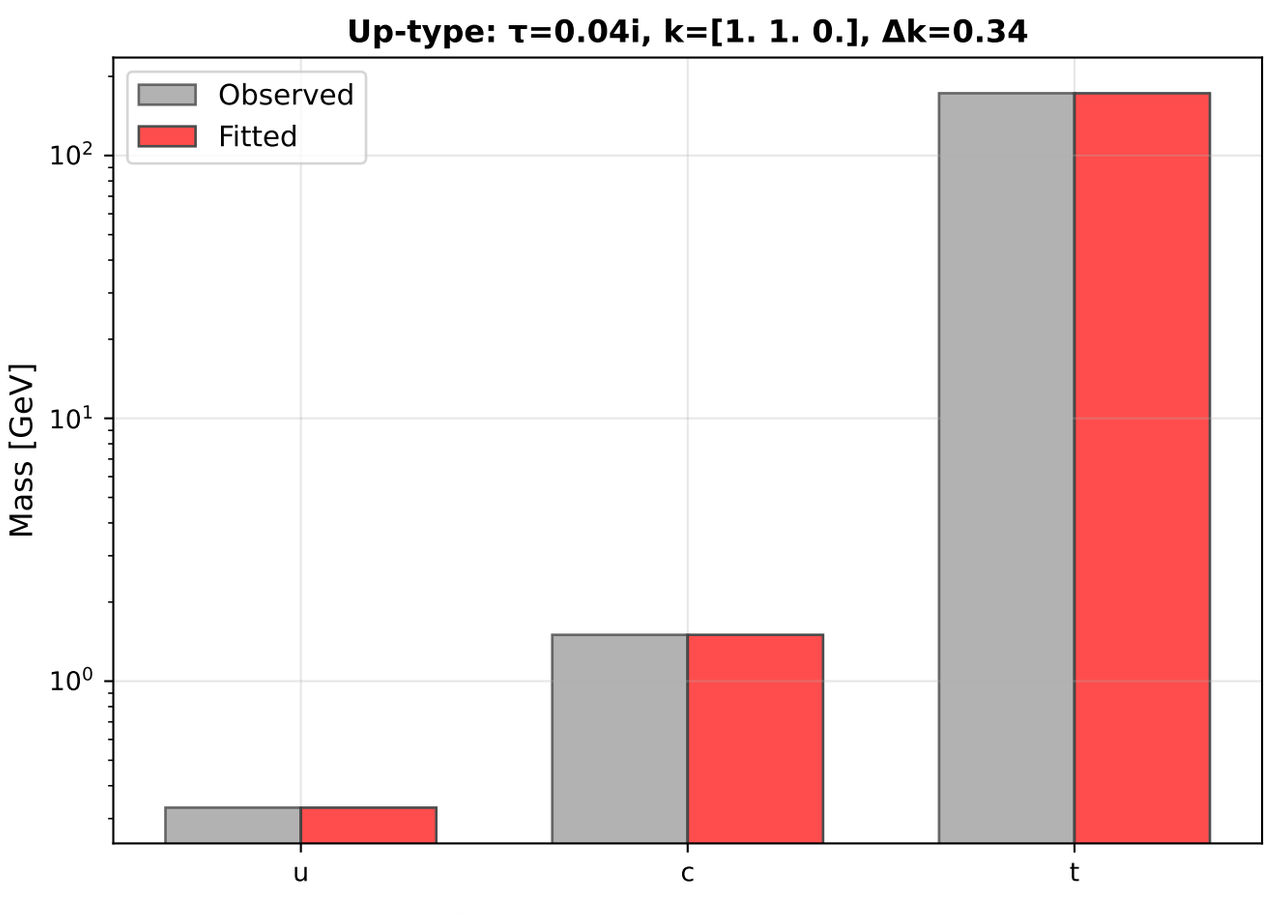
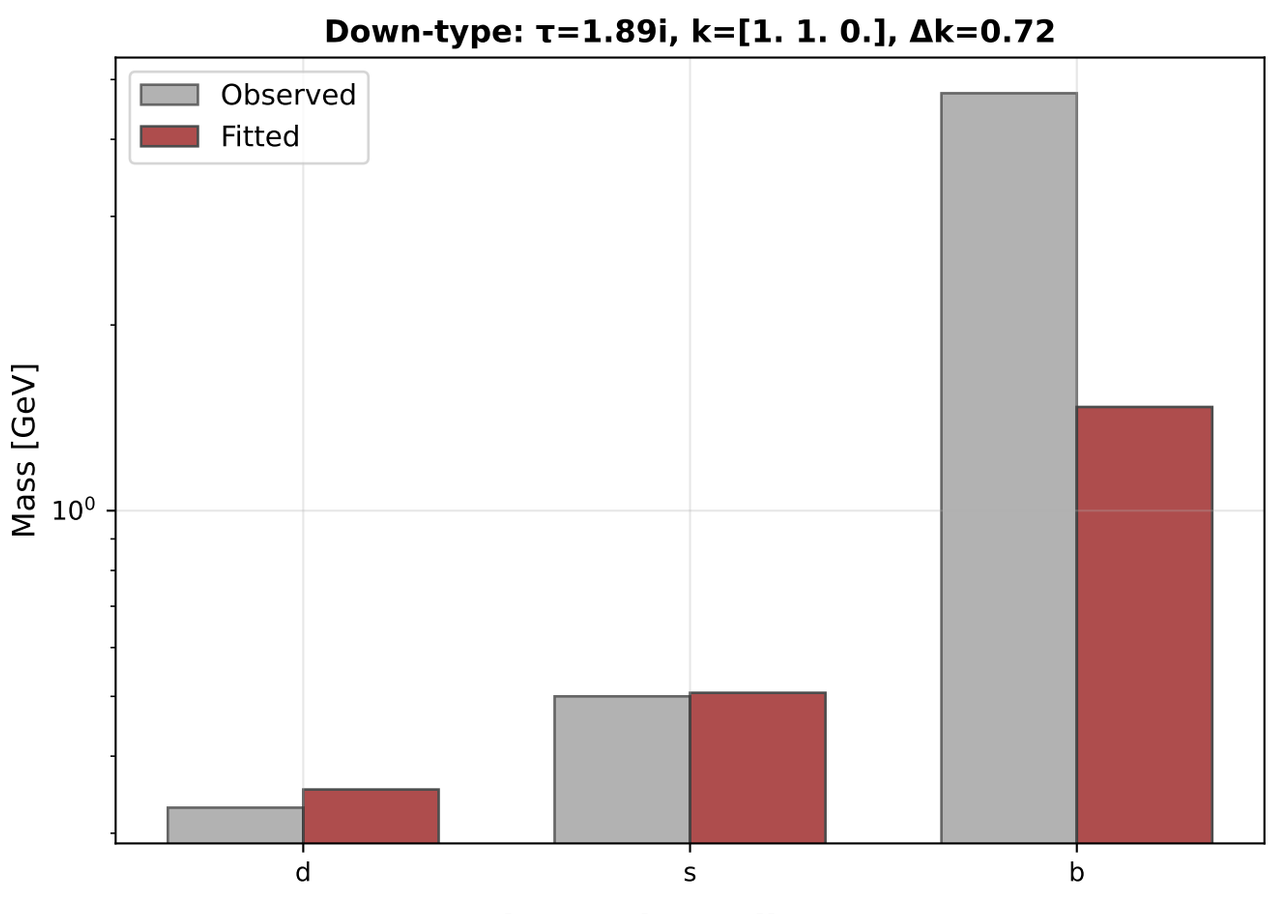
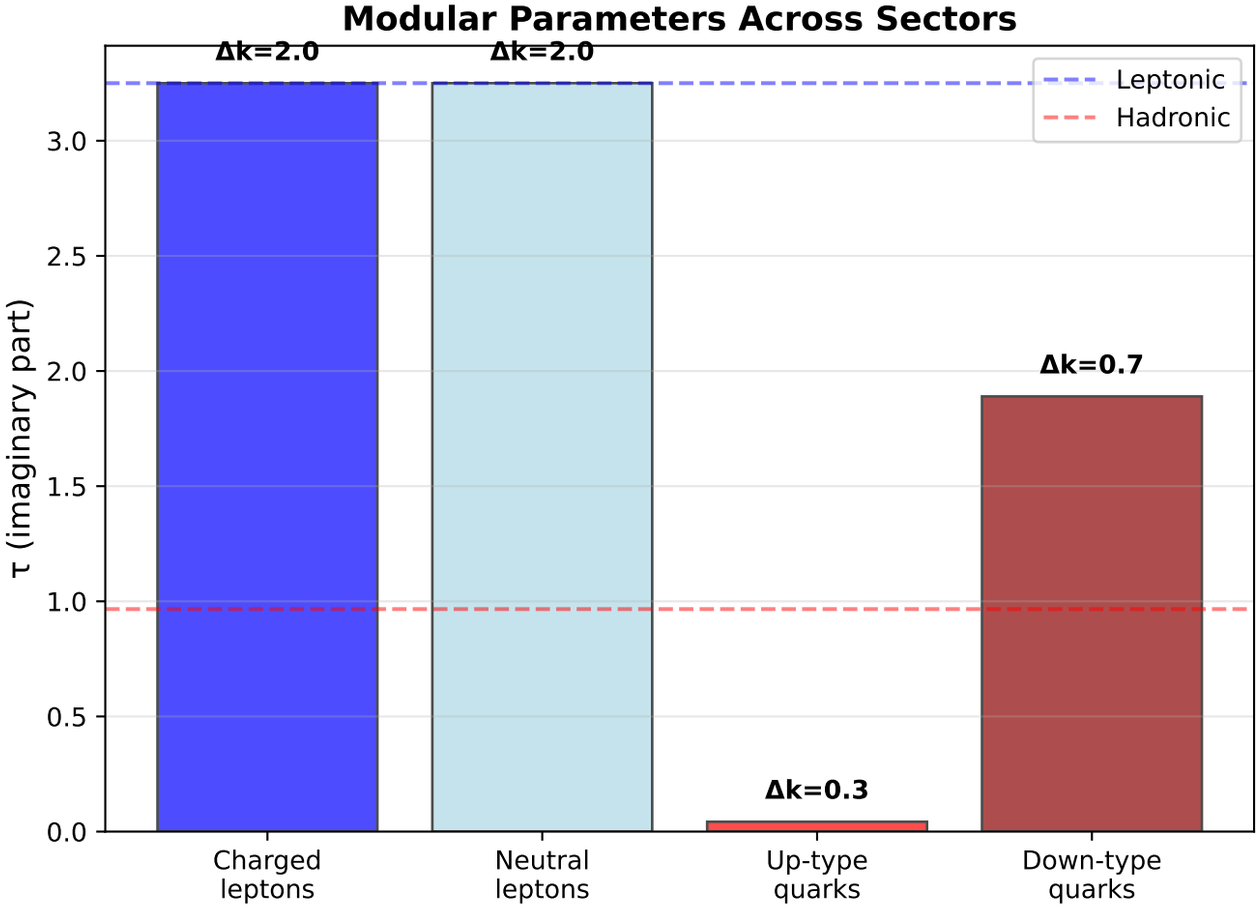
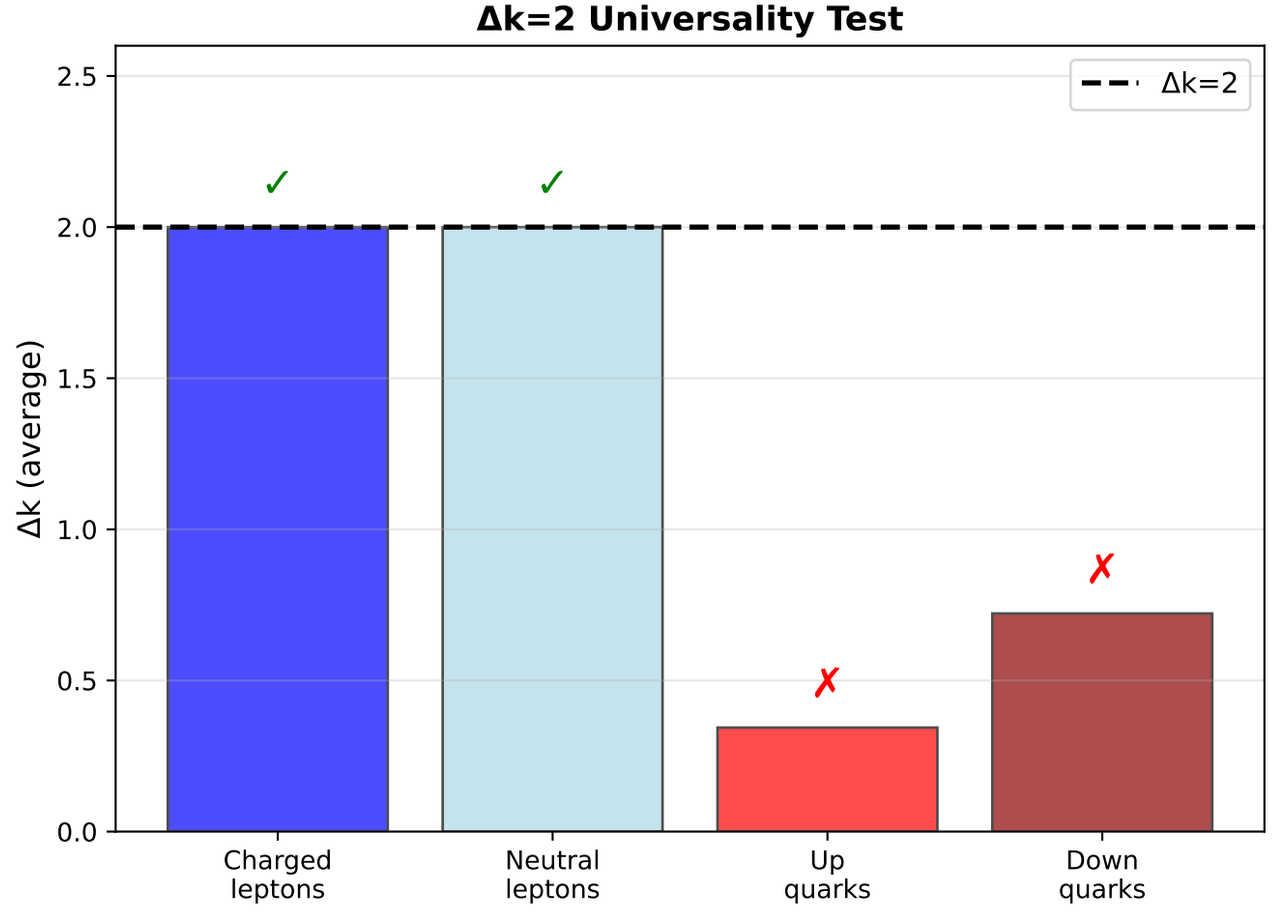

Up-type: τ=0.04i, k=[1. 1. 0.], Δk=0.34
Observed
Fitted
Mass [GeV]
10^2
10^1
10^0
u
c
t


Down-type: τ=1.89i, k=[1. 1. 0.], Δk=0.72
Observed
Fitted
Mass [GeV]
10^0
d
s
b


Modular Parameters Across Sectors
Δk=2.0
Δk=2.0
Δk=0.3
Δk=0.7
Leptonic
Hadronic
τ (imaginary part)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Charged leptons
Neutral leptons
Up-type quarks
Down-type quarks


Δk=2 Universality Test
Δk=2
✓
✓
✗
✗
Δk (average)
2.5
2.0
1.5
1.0
0.5
0.0
Charged leptons
Neutral leptons
Up quarks
Down quarks