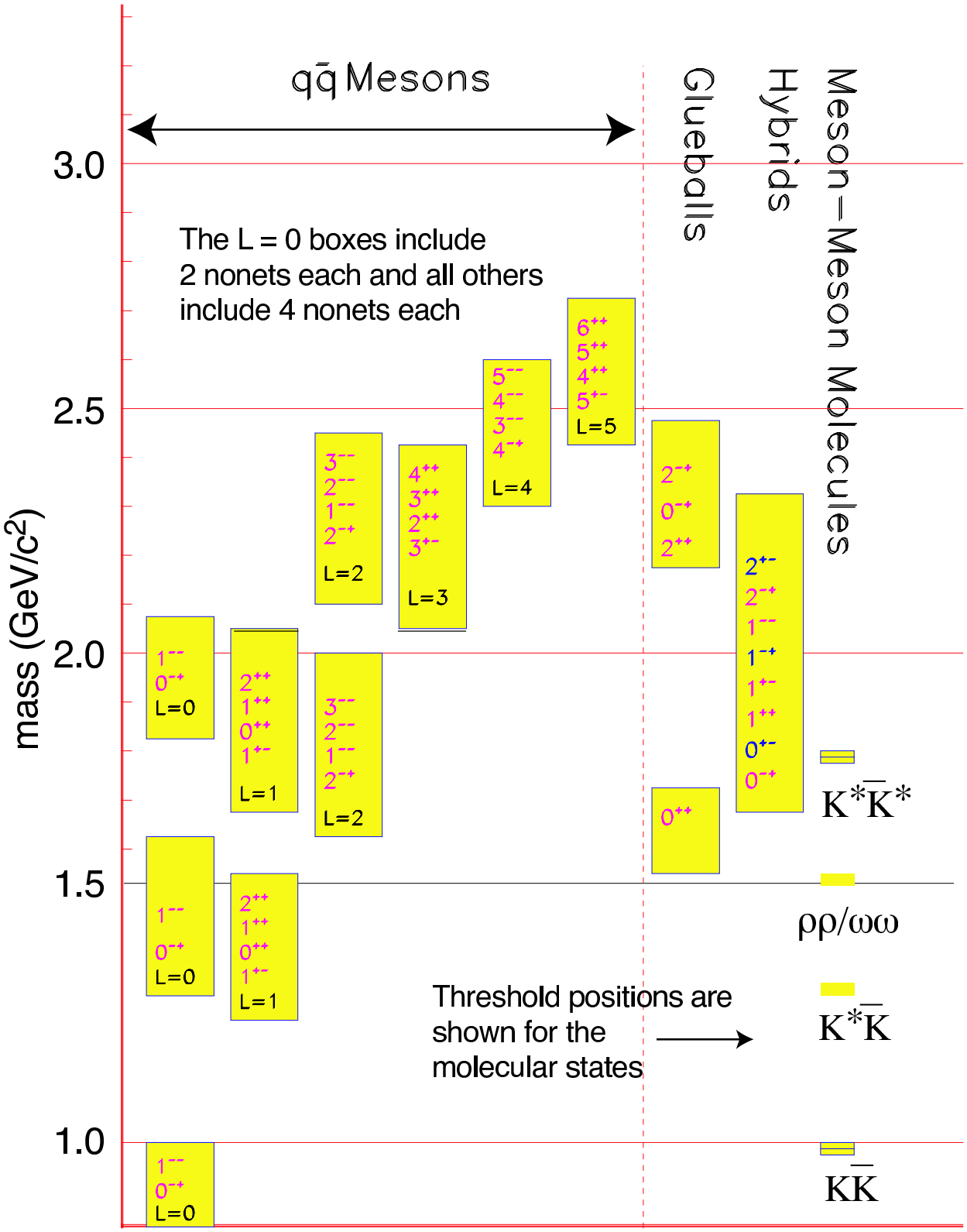
mass (GeV/c²)
3.0
2.5
2.0
1.5
1.0
q q̄ Mesons
Glueballs
Hybrids
Meson–Meson Molecules
The L = 0 boxes include
2 nonets each and all others
include 4 nonets each
1⁻⁻ 0⁻⁺ L=0
2⁺⁺ 1⁺⁺ 0⁺⁺ 1⁺⁻ L=1
3⁻⁻ 2⁻⁻ 1⁻⁻ 2⁻⁺ L=2
4⁺⁺ 3⁺⁺ 2⁺⁺ 3⁺⁻ L=3
5⁻⁻ 4⁻⁻ 3⁻⁻ 4⁻⁺ L=4
6⁺⁺ 5⁺⁺ 4⁺⁺ 5⁺⁻ L=5
2⁻⁺ 0⁻⁺ 2⁺⁺
0⁺⁺
2⁺⁻ 2⁻⁺ 1⁻⁻ 1⁻⁺ 1⁺⁻ 1⁺⁺ 0⁺⁻ 0⁻⁺
K*K̄*
ρρ/ωω
K*K̄
KK̄
Threshold positions are
shown for the
molecular states