

Quantum Chromodynamics(QCD).

In 2003, **X**(**3872**) was first observed by the Belle Exp.







1.4 1.2 Node ach Q Coalescence 0.4 Wigner 0.2 0



✓ The PACIAE Model (after hadron rescattering) can reproduce the experimental data well

✓ The average relative momentum between *D* and \overline{D}^* is large, due to their back-to-back motion

 \checkmark The yield of X(3872) as hadronic molecules is of the order of $10^{-6} \sim 10^{-7}$, consistent

with experimental non-observation of direct production

