New data

D2

BB\* transition

(J3, J1) = (0.6, 1.3), (0.45, 1.5), (0.27, 0.25), (0.2, 3)

D3

LU transition

(J3, J1) = (0.6, 1.69), (0.8, 1.48), (1.0, 1.28), (1.2, 1.14), (1.4, 1), (1.6, 0.6), (1.75, 0)

D4

UB\* transition

(J3, J1) = (0, 2.75), (0.25, 2.75)

UB transition

(J3, J1) = (0.25, 2.75), (0.4, 2.62), (0.6, 2.57), (1.0, 2.49), (1.4, 2.45), (2, 2.4)

LU transition

(J3, J1) = (0, 2.1), (0.2, 2.03), (0.4, 1.98), (0.6, 1.7), (0.8, 1.50), (1, 1.3), (1.2, 1.14), (1.6, 0.63), (1.75,0)

D2h

UB transition

(J3, J1) = (1.3, 1.04), (1.5, 0.96), (1.6, 0.88), (1.8, 0.82), (2, 0.75)