Be/6-31G

Excitation energy (eV)

$^1D(1s^2 2p^2)$

$^3P(1s^2 2p^2)$

$^1P(1s^2 2s2p$

$^3P(1s^2 2s2p$

SF-TDBLYP, SF-TDB3LYP, SF-TDBH&HLYP, SF-BSE@G_0W_0, SF-BSE@evGW, SF-BSE@qsGW, SF-dBSE@G_0W_0, SF-dBSE@evGW, SF-dBSE@qsGW, SF-CIS, SF-ADC(2)-s, SF-ADC(2)-x, SF-ADC(3), FCI