direct measurement from  $\tau_{1/2}$  and  $\tau_{3/2}$ measurements from  $\tau_{3/2}$  and  $R_{Cs}$ measurements from  $\tau_{1/2}$  and  $\tau_{3/2}$ inferred from photo-association data from  $D_{1/2}^{2}$  theory and R<sub>Cs</sub> measurements from  $C_6$  and  $R_{C_8}$ measurements using Der02 theory