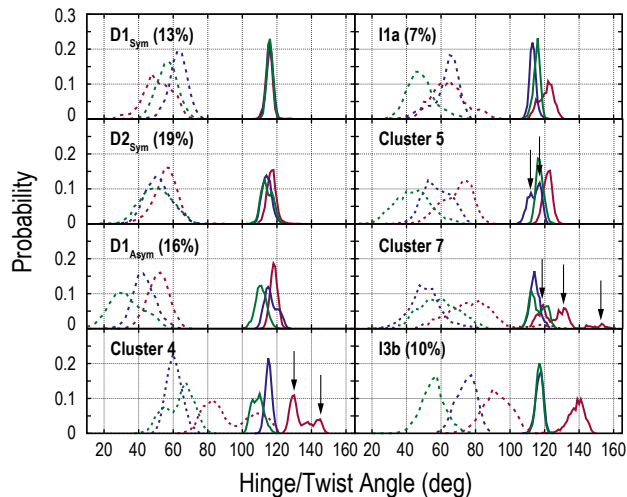
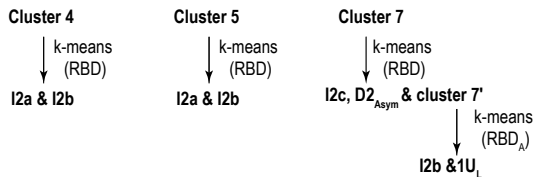


# 1) k-means Clustering (RBD/NTD)

Hinge<sub>A</sub> ——— Hinge<sub>B</sub> ——— Hinge<sub>C</sub> ———  
 Twist<sub>A</sub> - - - - - Twist<sub>B</sub> - - - - - Twist<sub>C</sub> - - - - -



## 2) Re-cluster (clusters with multi-distribution)



## 3) Refined Clusters

