

Figure 3 C_{β} distribution of histidine and histidine before *cis*-PRO (Color online) Figure a) shows C_{β} distribution of histidine. Some apparent outliers have been encircled, as examples. Residue number 312A in the PDB entry 2PF8 has been identified, together with 312 in the same protein 2PEV. Figure b) shows the subset of those HIS that precede a *cis*-PRO, there are five in our data set.

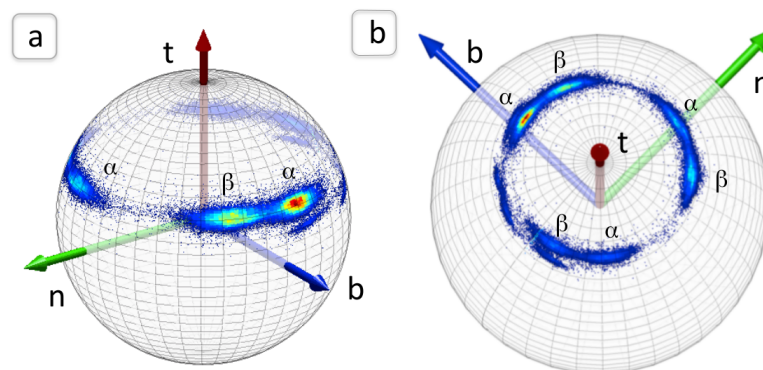
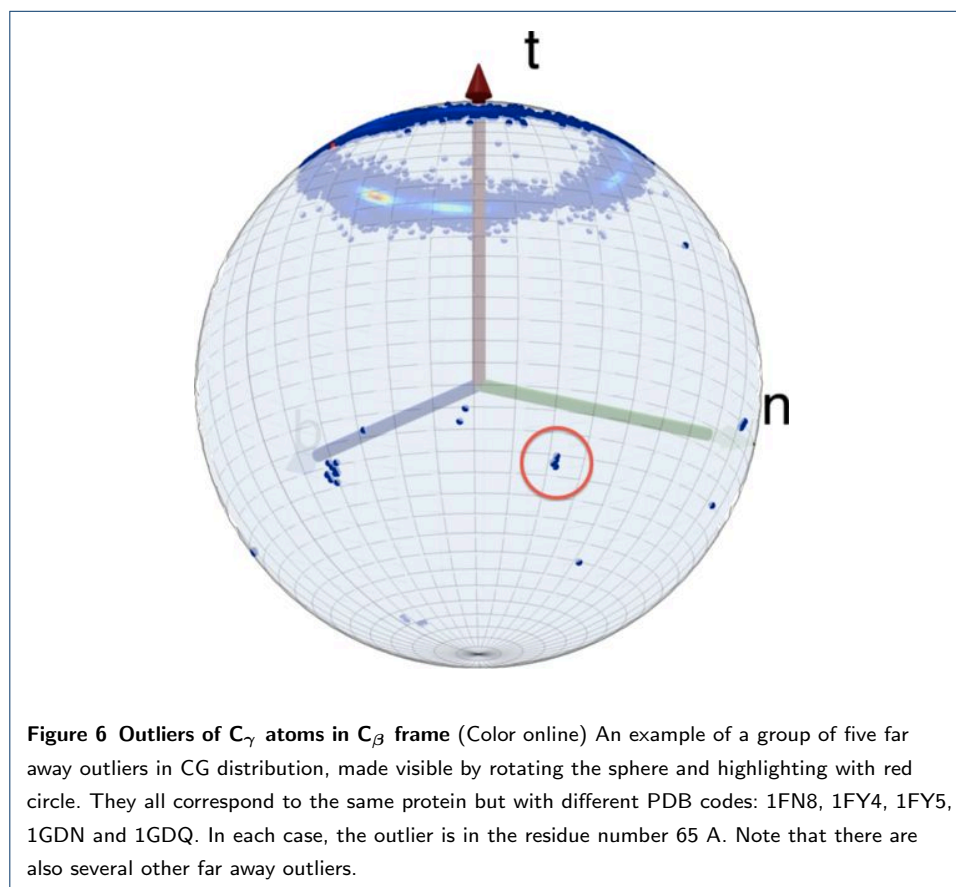
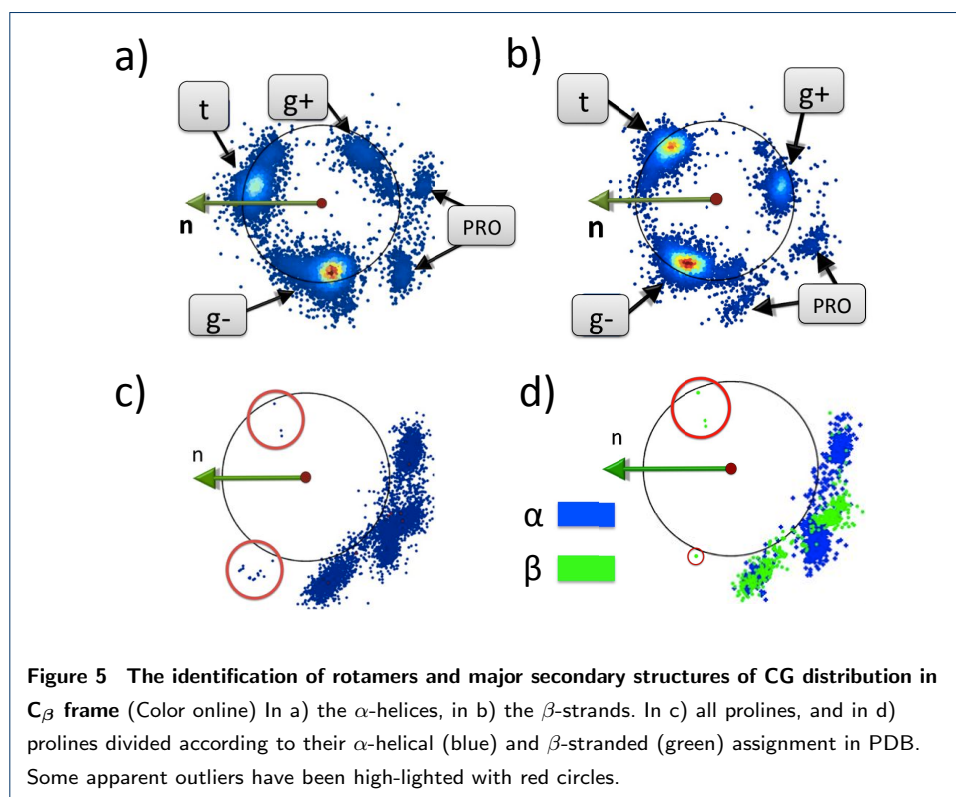
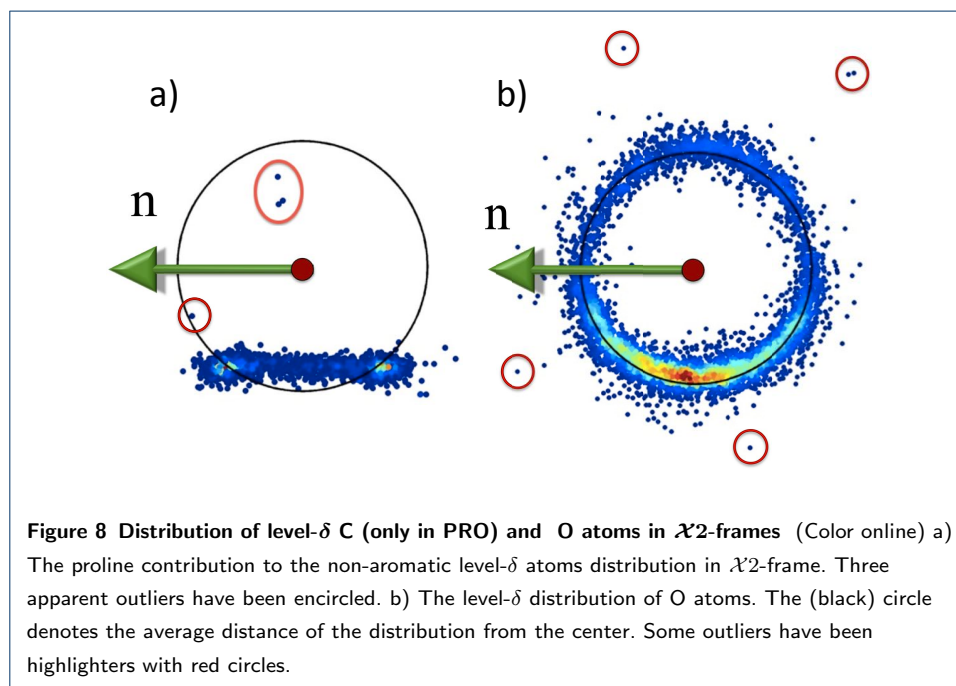
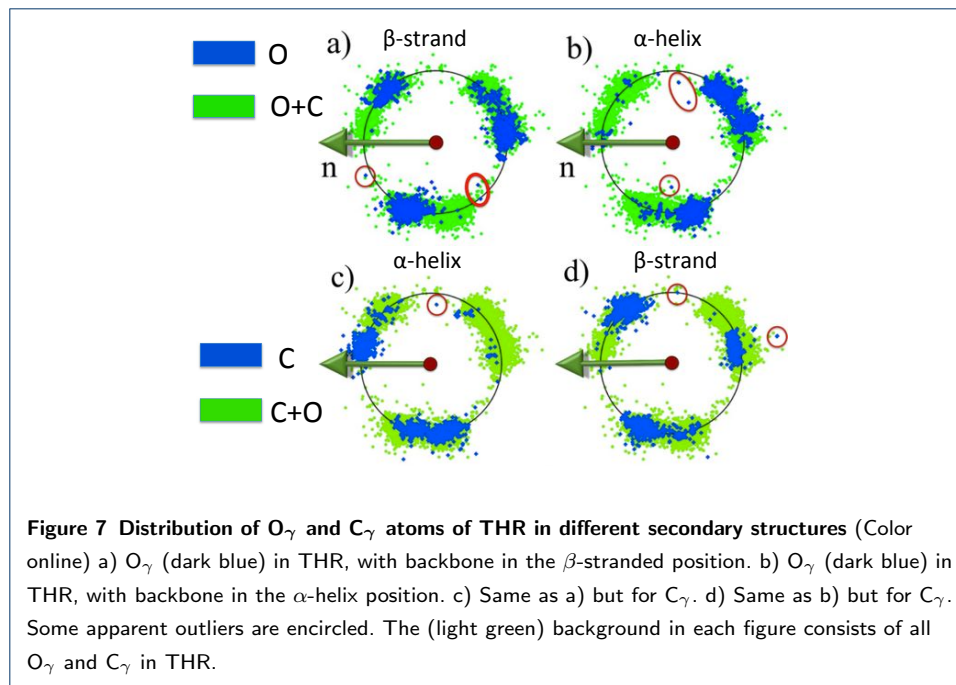


Figure 4 The level- γ atoms as seen in the coordinates Eq. (15)-(17) (Color online) In a) the origin coincides with the C_{α} atom, in b) it coincides with the C_{β} atom.





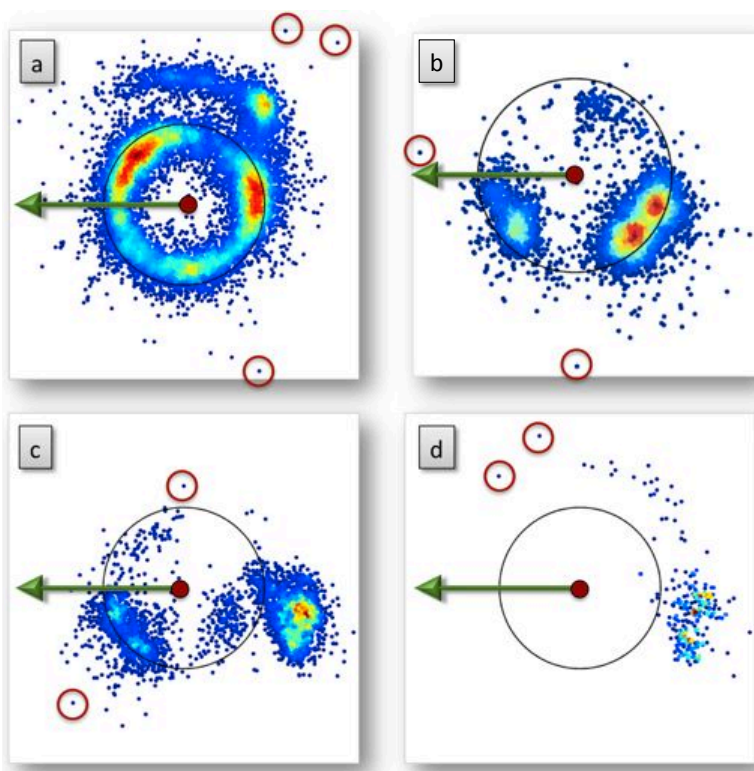


Figure 9 Identification of the regions of CD distributions according to the level- γ rotamers
 (Color online) The level- δ distribution of non-aromatic C atoms, in the stereographic projection and divided according to the level- γ rotamers. In figure a) we show the g^- rotamer, in figure b) we show the t rotamer, in figure c) we have the g^+ rotamer and in figure d) we show the *cis*-proline. The radii of the (black) circles coincide with the average latitude. Some outliers have also been encircled.

