

Figure 1: The distribution of angles w.r.t. xy plane between alkane chain tail centroids and nearest neighbor centroids for equilibrated parallel displaced (a) and sandwiched (b) configurations show distinct peaks at \pm blah $^{\circ}$ and \pm blah $^{\circ}$ respectively. (c) Integrated 2D WAXS data between q_r =1 and q_r =1.42 shows distinct peaks at with maxima at \pm 37 $^{\circ}$