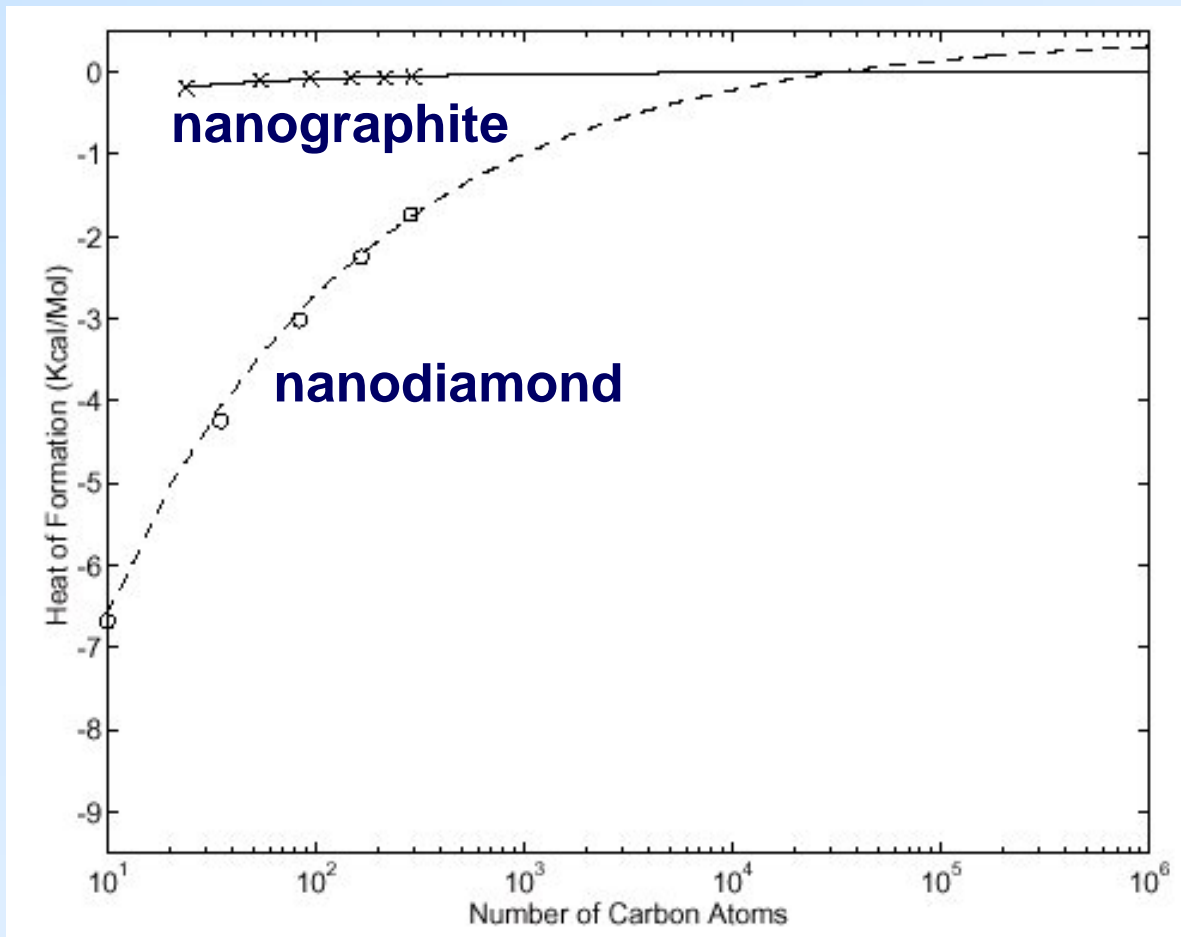
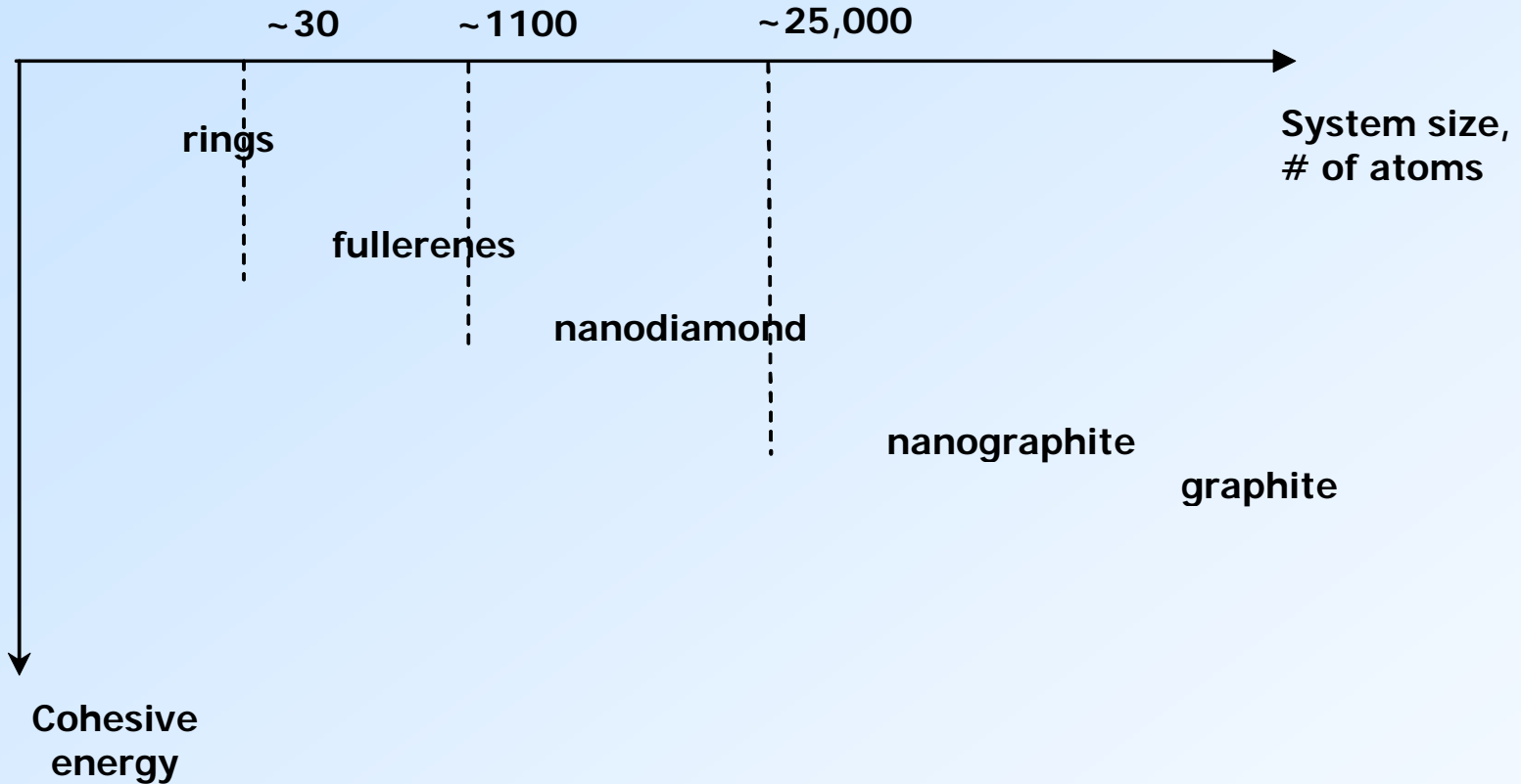


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**Comparison of the cluster size dependence of the heat of formation  $DH_f(sp^3)$  and  $DH_f(sp^2)$ . The fits to the  $sp^3$  (open circles) and  $sp^2$  (crosses) data are given by the dashed and solid lines, respectively**



Schematic representation of the most stable carbon phase depending on the size of the carbon structure