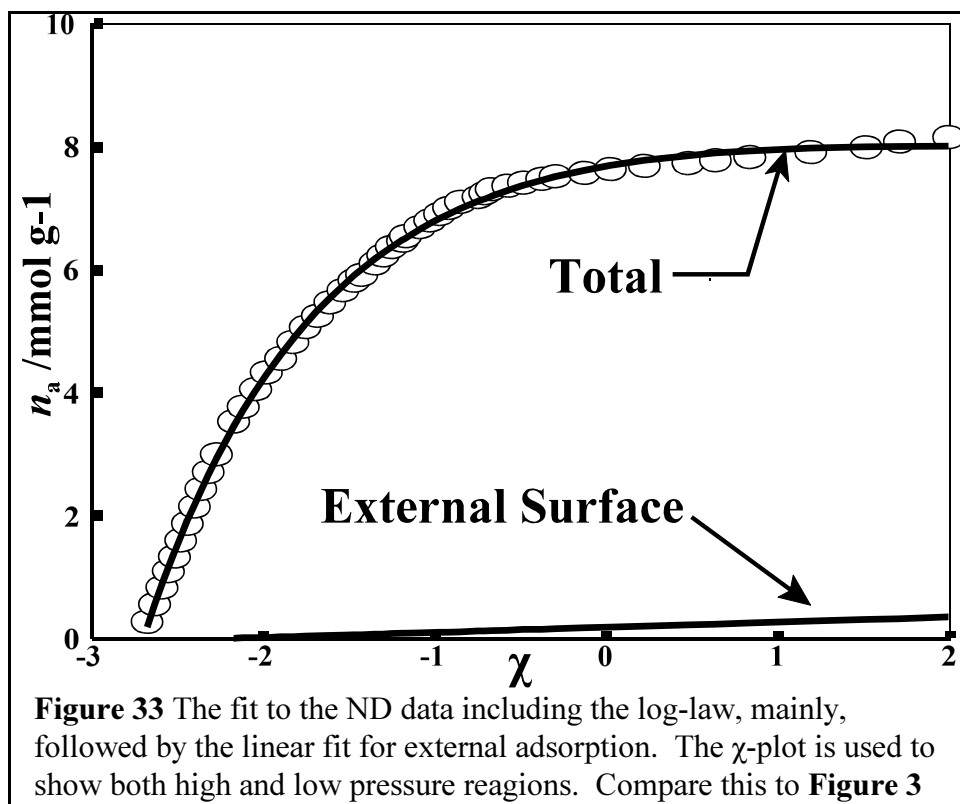# Modern Hypothesis of Physical Adsorption

Statistically, the ratios of the σs is 1.23 which is not sufficient to reject the 2 parameter fit over the 4 parameter($F = \sim 1.4$.   However, recall that there is more to consider than statistics. The 2 parameter fit would normally be rejected on the basis of the 1 % FDR rule, but the 4 parameter fit would not be. Inspecting the **Figure 33** compared to **Figure 3** it seems intuitive that the 4 parameter fit should be selected, but again this is not an unbiased decision.

Figure 33 The fit to the ND data including the log-law, mainly, followed by the linear fit for external adsorption. The χ-plot is used to show both high and low pressure reagions. Compare this to **Figure 3**