

Figure 1 consists of two panels. The top panel is a log-linear plot showing the number of stars (N) on the y-axis (logarithmic scale from 1 to 10^3) versus the number of stars in the sample (N_s) on the x-axis (linear scale from -25 to 25). The data points are shown as black dots, and the fitted model is shown as a red line. The bottom panel is a linear plot showing the probability density function (PDF) on the y-axis (linear scale from 0 to 1) versus N_s on the x-axis (linear scale from -25 to 25). The data points are shown as black dots, and the fitted model is shown as a red line.