Don't take the extracted values and their errors too seriously.

$\alpha = 2.00, \beta = 0.10$

$(\beta K)_c = 0.64 \pm 0.05, \nu = 3.46 \pm 1.25$

$\alpha = 2.00, \beta = 0.15$

$(\beta K)_c = 0.62 \pm 0.00, \nu = 3.42 \pm 0.00$

$\alpha = 2.00, \beta = 0.20$

$(\beta K)_c = 0.61 \pm 0.00, \nu = 3.52 \pm 0.00$

Left column of figures titled (top to bottom): $\alpha = 2.00,\ \beta = 0.25$; $\alpha = 2.00,\ \beta = 0.30$; $\alpha = 2.00,\ \beta = 0.35$; $\alpha = 2.00,\ \beta = 0.38$. Each plots M^2 versus βK for $L = 16, 32, 64, 128, 256, 512, 1024$.

Right column of figures titled (top to bottom): $(\beta K)_c = 0.57 \pm 0.00,\ \nu = 3.14 \pm 0.39$; $(\beta K)_c = 0.56 \pm 0.01,\ \nu = 3.32 \pm 0.52$; $(\beta K)_c = 0.52 \pm 0.05,\ \nu = 3.34 \pm 0.88$; $(\beta K)_c = 0.51 \pm 0.00,\ \nu = 3.55 \pm 0.12$. Each plots M^2 versus $(\beta K)L^{1/\nu}$ for $L = 16, 32, 64, 128, 256, 512, 1024$.

Left column plots:
- $\alpha = 2.00$, $\beta = 0.39$
- $\alpha = 2.00$, $\beta = 0.40$
- $\alpha = 2.00$, $\beta = 0.41$
- $\alpha = 2.00$, $\beta = 0.42$

Right column plots:
- $(\beta K)_c = 0.49 \pm 0.00$, $\nu = 3.46 \pm 0.00$
- $(\beta K)_c = 0.48 \pm 0.02$, $\nu = 3.56 \pm 0.58$
- $(\beta K)_c = 0.47 \pm 0.06$, $\nu = 3.63 \pm 1.00$
- $(\beta K)_c = 0.45 \pm 0.00$, $\nu = 3.84 \pm 0.21$

Axis labels: M^2 vs βK (left), M^2 vs $(\beta K)L^{1/\nu}$ (right)

Legend: $L = 16$, $L = 32$, $L = 64$, $L = 128$, $L = 256$, $L = 512$, $L = 1024$

$\alpha = 2.00, \beta = 0.45$

$(\beta K)_c = 0.27 \pm 0.63, \nu = 32.25 \pm 86.64$

$\alpha = 2.00, \beta = 0.46$

$(\beta K)_c = 0.32 \pm 0.81, \nu = 56.61 \pm 158.54$

$\alpha = 2.00, \beta = 0.47$

$(\beta K)_c = 0.13 \pm 0.03, \nu = 27.56 \pm 41.67$

$\alpha = 2.00, \beta = 0.48$

$(\beta K)_c = 0.50 \pm 0.34, \nu = 422.46 \pm 905.50$