$\langle v^2 \rangle$ vs v_{esc}^2 from Sampled Particles for Different N

Legend:
- $v_{esc}^2(r) = 2|\Phi(r)|$
- Sampled $N = 10$
- Sampled $N = 10^2$
- Sampled $N = 10^3$
- Sampled $N = 10^4$
- Sampled $N = 10^5$
- Sampled $N = 10^6$

Axis labels: v^2 (vertical), r (horizontal)