Asymptotic behavior of the Numerov algorithm solutions for neutrons in the Earth's gravitational field

Legend:
- $\varepsilon = 3.99$, $E = 2.4\,\text{peV}$ (blue)
- $\varepsilon = 4.16$, $E = 2.5\,\text{peV}$ (red)

x-axis: dimensionless height x

y-axis: solution $\psi(x)$ ($\times 10^{-17}$)