Sanity Check: Signal Energy Retention

Legend:
- v = 10 km/s
- v = 12 km/s
- v = 15 km/s
- v = 18 km/s
- v = 20 km/s
- Baseline f_cut = 300.0 Hz
- Threshold η = 0.01

X-axis: Cutoff Frequency f_cut (Hz)
Y-axis: Energy Retention Ratio η