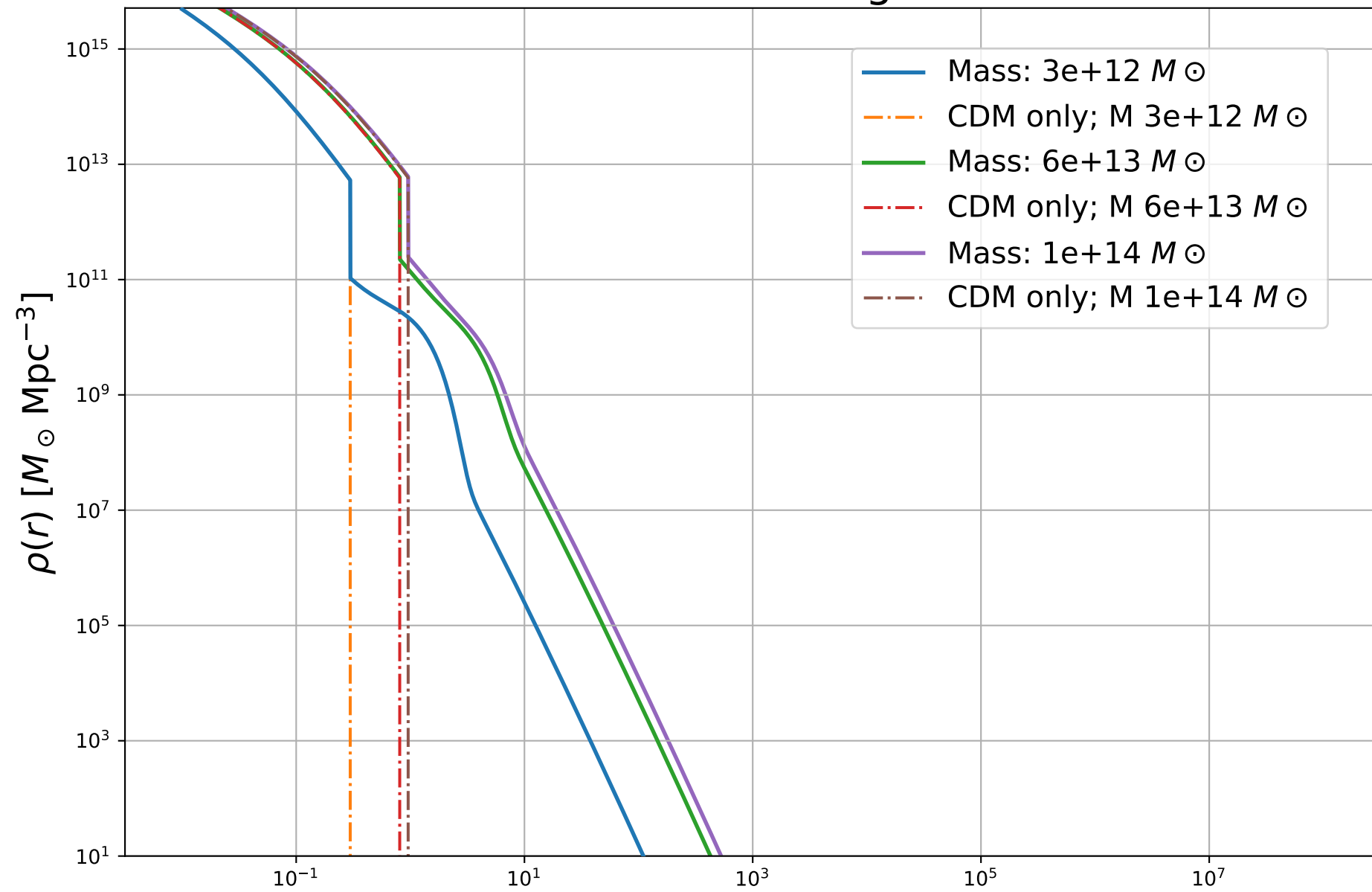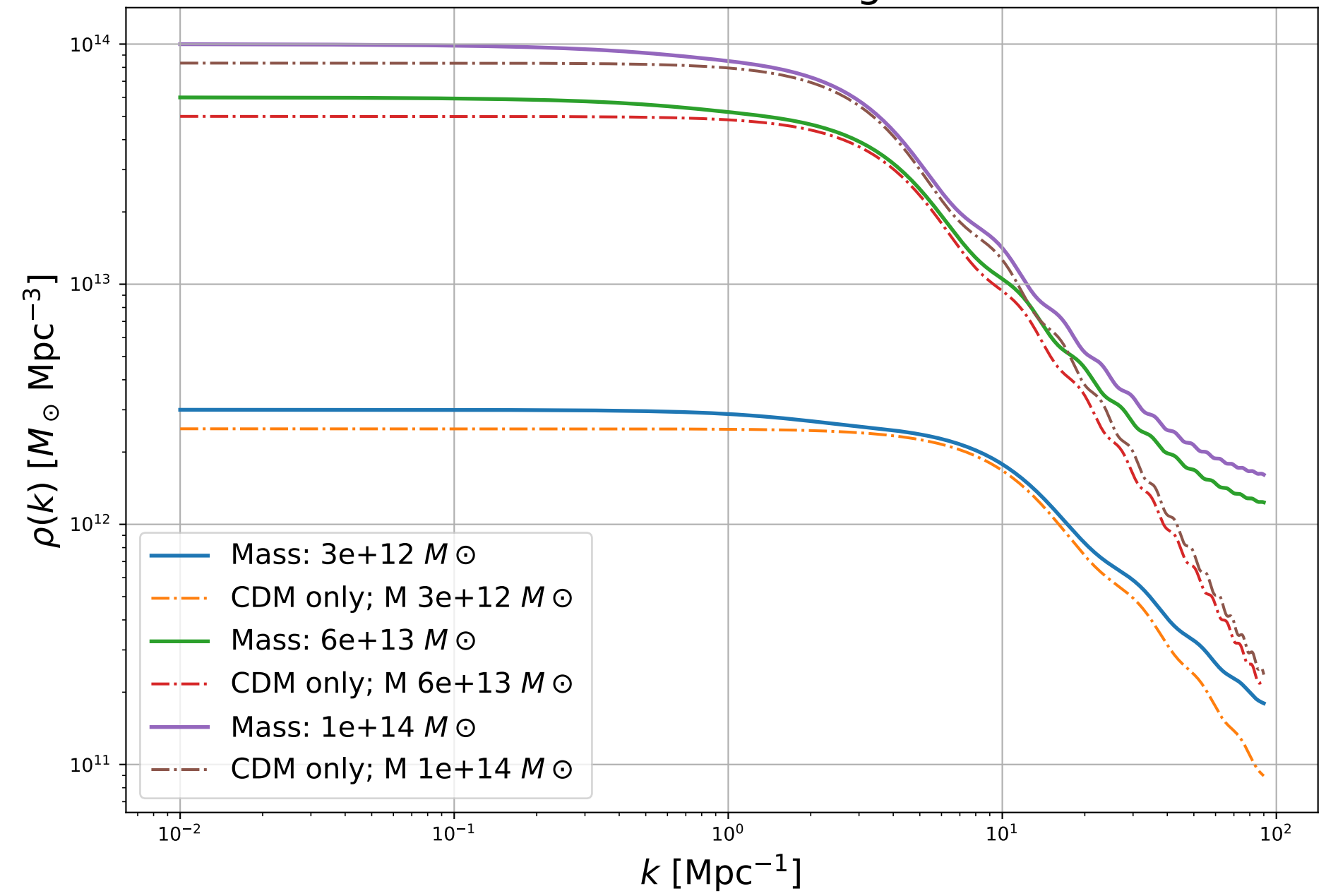BCM Profile with Cold-Dark-Matter-Only as Comparison