Shift in BAO peak due to Relative Velocity 0.0035 b2 = -0.20.0030 b2 = -0.10.0025 % shift in BAO peak $(\alpha-1)$ b2 = 0.00.0020 b2 = 0.10.0015 0.0010 b2 = 0.20.0005 0.0000 0.0030 0.0010 0.0015 0.0020 0.0050 0.0070 0.0100 0.0150 0.0200 relative velocity b_r/b_1