B_{\perp} , M=1 (top) and M=2.68 (bottom) 0 10⁻³ 10 x position (cm) 20 30 10^{-4} Fluctuation Power (a.u. 40 50 0 10 -10⁻⁵ x position (cm) 20 30 40 50 | 10² 10³ 10^{4} 10⁵ Frequency (Hz)