Doppler effect on U-235 total XS 300 K 600 K 900 K 104 1200 K 1500 K 1800 K $\sigma_{\rm t}$ (barn) 10² 10² 6 × 10 4 × 10¹ 10¹ 3 × 10 x10⁻⁶ 10⁰ 10⁻¹⁰ 10⁻² 10⁻⁸ 10⁻⁶ 10⁻⁴ Neutron energy (MeV)