Energy bands nu=-5 as function of U 0K⁺ ↓ 60 1K⁺ ↓ -2K⁺ ↓ 2K⁺ ↓ 40 0K_ ↑ 1K⁻ ↓ Energy bands(meV) -2K⁻↓ 20 -2K-1 0K⁺ ↑ 1K⁺ ↑ 0 · -2K⁺ ↑ 2K⁺ ↑ 0K⁻ ↑ -201K⁻ ↑ -2K⁻ ↑ 2K⁻ ↑ -40alpha rand full range: 0.3 alpha reg: 1 Fermi energy alpha rho: 0 apha H asym small u: 1 O speening: 0.244 up rp_meV: -3.2 uz_meV: 14.0 2.0 1.0 1.5 3.0 U(meV)