Radial Profiles for $Am_0 = 0.5$, $\sigma = flat$ Magnetic Energy B² Density ρ --- $\hat{\eta}$ profile 2.100 avg ρ with 25th and 75th percentiles 1.6 1.04 2.075 1.4 2.050 1.02 1.2 2.025 B^{2}/B_{20}^{2} 8.0 00/d 1.00 - 2.000 ← 1.975 0.6 0.98 1.950 0.4 1.925 0.96 0.2 1.900 -2 -1 -3 -2 -1x/H x/H Plasma $\overline{\beta}$ Plasma β 2.9×10^{2} plasma $\overline{\beta}$ with 25th and 75th percentiles avg plasma β with 25th and 75th percentiles 3×10^{2} 2.8×10^{2} 2.9×10^{2} 2.7×10^{2} 2.8×10^{2} 2.6×10^{2} $\frac{|^{2}\Theta}{|^{2}Q}$ 2.5 × 10² 2.6×10^{2} 2.4×10^{2} 2.5×10^{2} 2.3×10^{2} 2.4×10^{2} 2.2×10^{2} -2 1 3 -2 **-**3 -10 -3 -10 1 3 x/H x/H Shakura-Sunyaev α Stress 0.00250 --- avg Reynolds Stress --- avg α_{Re} 0.00250 avg Maxwell Stress avg α_{Mx} total avg Stress 0.00225 avg total α 0.00225 0.00200 0.00200 0.00175 0.00175 Stress 0.00150 0.00150 0.00125 0.00125 0.00100 0.00100 0.00075 0.00075 0.00050 <u>-</u>3 <u>-</u>2 <u>-</u>2 1 2 2 -13 -1 0 x/H 1 3 x/H Magnetic Field B Kinetic Energy $\rho * v^2$ --- KE_x 0.0175 KE_y 1.2 --- KE_z B_z 0.0150 KE_{total} 1.0 0.0125 8.0 $\rho^* \frac{\sqrt{2}}{\rho_0} \frac{\sqrt{2}}{\sqrt{2}}$ 0.010.0 $\rho^* \frac{\sqrt{2}}{\sqrt{2}}$ *B/B*_{z0} 0.6 0.4 0.0050 0.2 0.0025 0.0 0.0000 <u>-</u>2 0 x/H <u>-</u>3 -1 Ö x/H **-**3 -13 **-**2 1 2 3 1 2 **-**4