Radial Profiles for  $Am_0 = 0.5$ ,  $\sigma = flat$ Magnetic Energy B<sup>2</sup> Density  $\rho$ ---  $\eta_{ath}$  profile avg  $\rho$  with 25<sup>th</sup> and 75<sup>th</sup> percentiles 2.100 1.6 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 gth 1.975 0.6 0.98 1.950 0.4 1.925 0.96 0.2 1.900 \_ \_2 -1 0 x/H 1 2 3 -2 **-**3 -3 0 x/H Plasma  $\overline{oldsymbol{eta}}$ Plasma  $\beta$  $2.9 \times 10^{2}$ avg plasma  $\beta$  with 25<sup>th</sup> and 75<sup>th</sup> percentiles plasma  $\overline{\beta}$  with 25<sup>th</sup> and 75<sup>th</sup> percentiles  $3 \times 10^2$  $2.8 \times 10^{2}$  $2.9 \times 10^{2}$  $2.7 \times 10^{2}$  $2.8 \times 10^{2}$  $2.6 \times 10^{2}$  $\frac{800}{2}$  2.7 × 10<sup>2</sup>  $\frac{|^2 \Theta|^2}{|^2 Q|^2}$  2.5 × 10<sup>2</sup>  $2.6 \times 10^{2}$  $2.4 \times 10^{2}$  $2.5 \times 10^{2}$  $2.3 \times 10^{2}$  $2.4 \times 10^{2}$  $2.2 \times 10^{2}$ **-**2 1 2 3 **-**2 2 3 -3 -10 **-**3 -10 1 x/H x/H Shakura-Sunyaev  $\alpha$ Stress 0.00250 0.00250 --- avg Reynolds Stress --- avg  $\alpha_{Re}$ avg Maxwell Stress avg  $\alpha_{Mx}$ total avg Stress 0.00225 avg total  $\alpha$ 0.00225 0.00200 0.00200 0.00175 0.00175 Stress 0.00120 ° 0.00150 0.00125 0.00125 0.00100 0.00100 0.00075 0.00075 0.00050 <u>-</u>3 <u>-</u>2 <u>-</u>3 <u>-</u>2 2 1 2 0 x/H 0 x/H 3 -11 3 Magnetic Field B Kinetic Energy  $\rho * v^2$ --- KE<sub>x</sub> 0.0175  $KE_y$ 1.2 --- KE<sub>z</sub>  $B_z$ 0.0150 KE<sub>total</sub> 1.0 0.0125 8.0  $b^* \frac{\sqrt{5}}{5} \sqrt{\frac{6}{5}}$ 0.0100  $b^* < \frac{6}{5}$ *B/B*<sub>z0</sub> 0.6 0.4 0.0050 0.2 0.0025 0.0 0.0000 -2 0 x/H <u>-</u>3 -1 0 x/H -3 -11 2 **-**2 1 2 3 3 **-**4