Radial Profiles for  $Am_0 = 0.5$ ,  $\sigma = 1$ Magnetic Energy  $B^2$ Density  $\rho$ avg  $\rho$  with 25<sup>th</sup> and 75<sup>th</sup> percentiles ---  $\eta_{ath}$  profile 2.5 1.75 1.50 2.0 - 1.25 - 1.00 <sup>dst</sup> 0.75 1.0 0.50 0.5 1 0.25 0.00 -1 0 x/H 2 -3 **-**2 -10 x/H Plasma  $\overline{oldsymbol{eta}}$ Plasma  $\beta$ 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 20/B<sup>2</sup> 0 x/H **-**2 -11 **-**2 -11 2 0 3 x/H Shakura-Sunyaev  $\alpha$ Stress 80.0 --- avg Reynolds Stress --- avg  $\alpha_{Re}$ avg Maxwell Stress avg  $\alpha_{Mx}$ 0.010 0.07 total avg Stress avg total lpha0.06 0.008 0.05 Stress 900.0 ₽ 0.04 0.03 0.004 0.02 0.01 0.002 0.00 <u>-</u>2 0 x/H 1 -2 -1-1**-**3 0 x/H Kinetic Energy  $\rho * v^2$ Magnetic Field B --- KE<sub>x</sub>  $B_y$  $KE_y$ 2.5 8.0  $KE_z$ - KE<sub>total</sub> 2.0 0.6 1.5  $\rho^* v^2/\rho_0 * c_s^2$  $B/B_{z0}$ 1.0 0.5 0.2 0.0 0.0 **-**0.5 -1 <u>-</u>2 -1 Ö x/H -2 0 x/H 1 **-**3 1 2 -3 2 3 -4