Precipitating Flux Comparison of Wave Modulation Depth on 9/22/20 10<sup>10</sup> equatorial flux (MMS 1 measured) precipitating flux (simulated with  $a = 3, \delta \lambda_2 = 20^{\circ}$ ) precipitating flux (simulated with  $a=5, \delta\lambda_2=20^{\circ}$ )  $\mathrm{F} \ln \mathrm{x} \, (1/\mathrm{cm}^2/\mathrm{s}/\mathrm{sr}/\mathrm{MeV})$ precipitating flux (simulated with  $a=7, \delta\lambda_2^2=20^\circ$ ) precipitating flux (ELFIN A measured) 10<sup>5</sup> 200 400 600 800 Energy (keV)