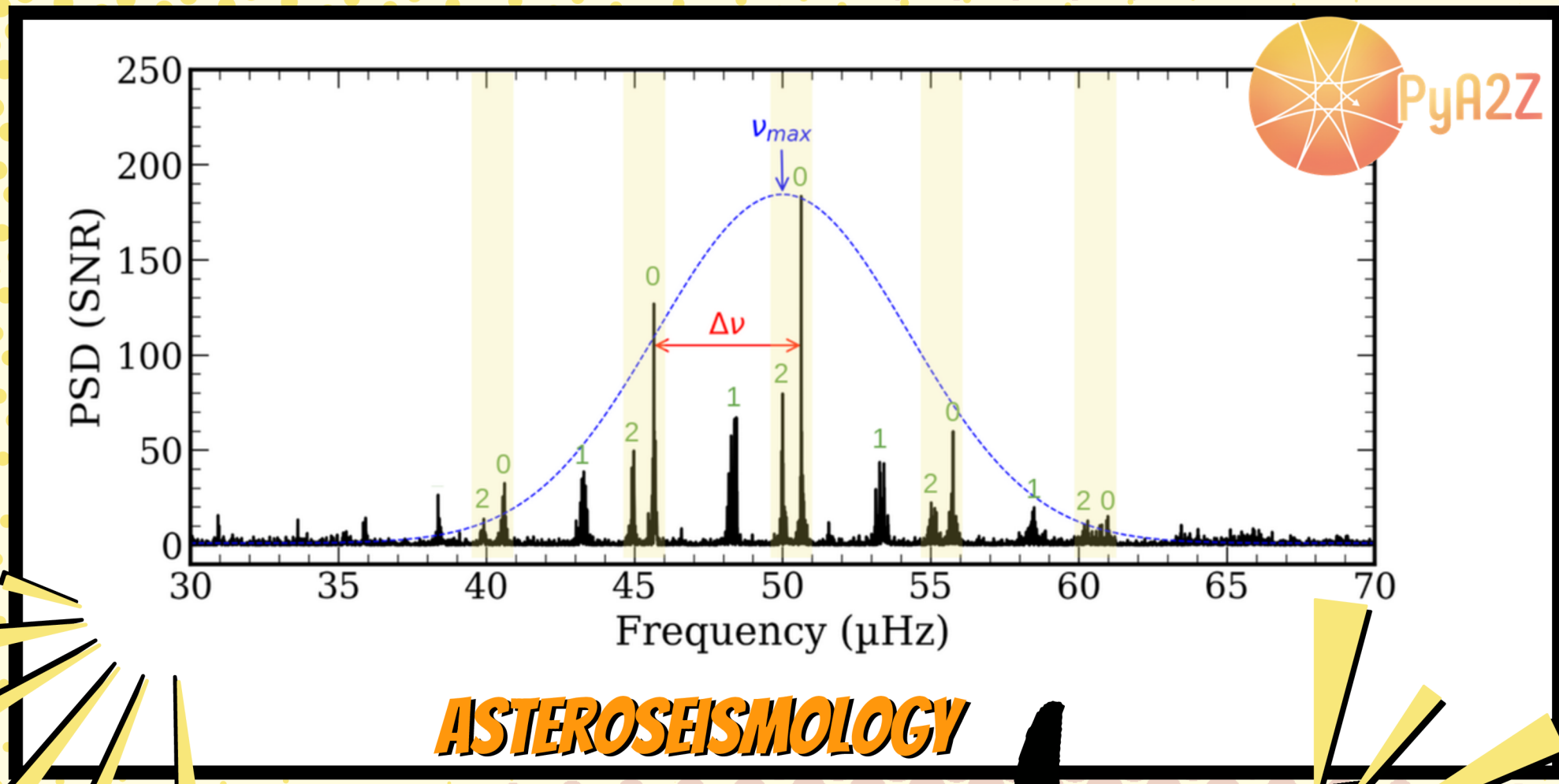
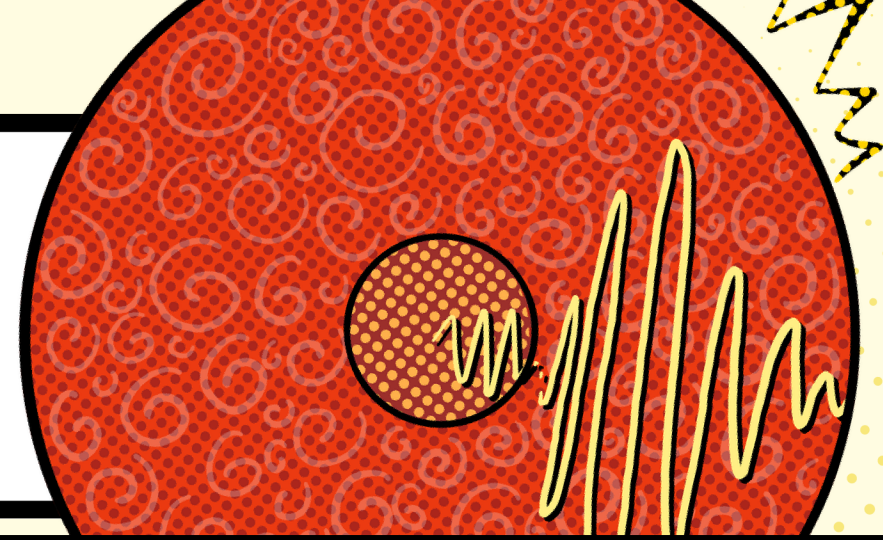




PYA2Z: ENSEMBLE PRECISE ASTEROSEISMOLOGY ACROSS THE SKY OF 20,000 TESS STARS WITH GAIA SPECTRA

B. Liagre, R. A. García, S. Mathur, D. B. Palakkatharappil, D. Godoy-Rivera

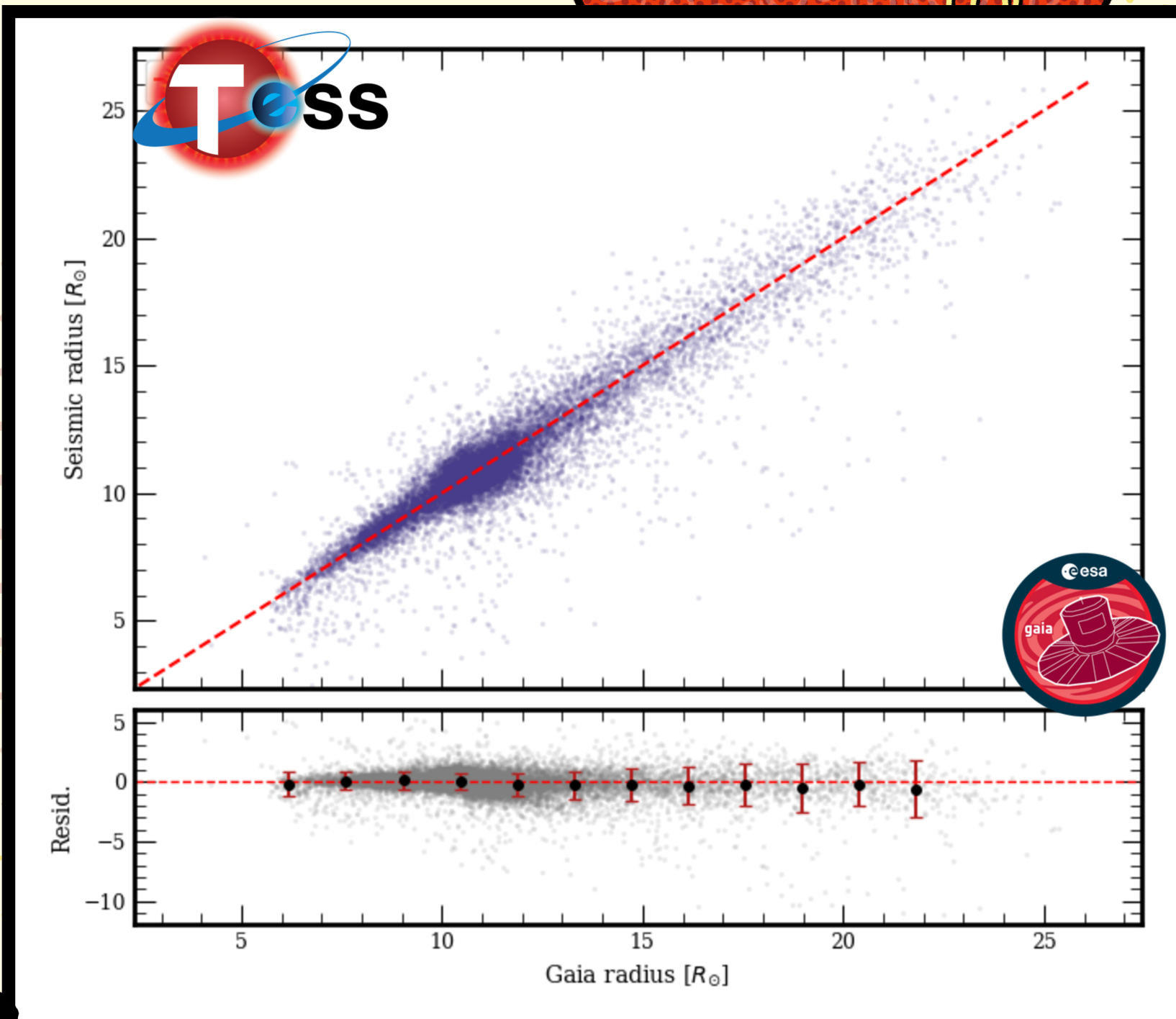


ASTEROSEISMOLOGY

$$\frac{M}{M_{\odot}} = \left(\frac{\nu_{\max}}{\nu_{\max, \odot}} \right)^3 \left(\frac{f_{\Delta\nu} \Delta\nu}{\Delta\nu_{\odot}} \right)^{-4} \left(\frac{T_{\text{eff}}}{T_{\text{eff}, \odot}} \right)^{1.5}$$

$$\frac{R}{R_{\odot}} = \left(\frac{\nu_{\max}}{\nu_{\max, \odot}} \right) \left(\frac{f_{\Delta\nu} \Delta\nu}{\Delta\nu_{\odot}} \right)^{-2} \left(\frac{T_{\text{eff}}}{T_{\text{eff}, \odot}} \right)^{0.5}$$

CORRECTED SCALING RELATIONS



GREAT AGREEMENT BETWEEN SEISMIC AND GAIA RADII!