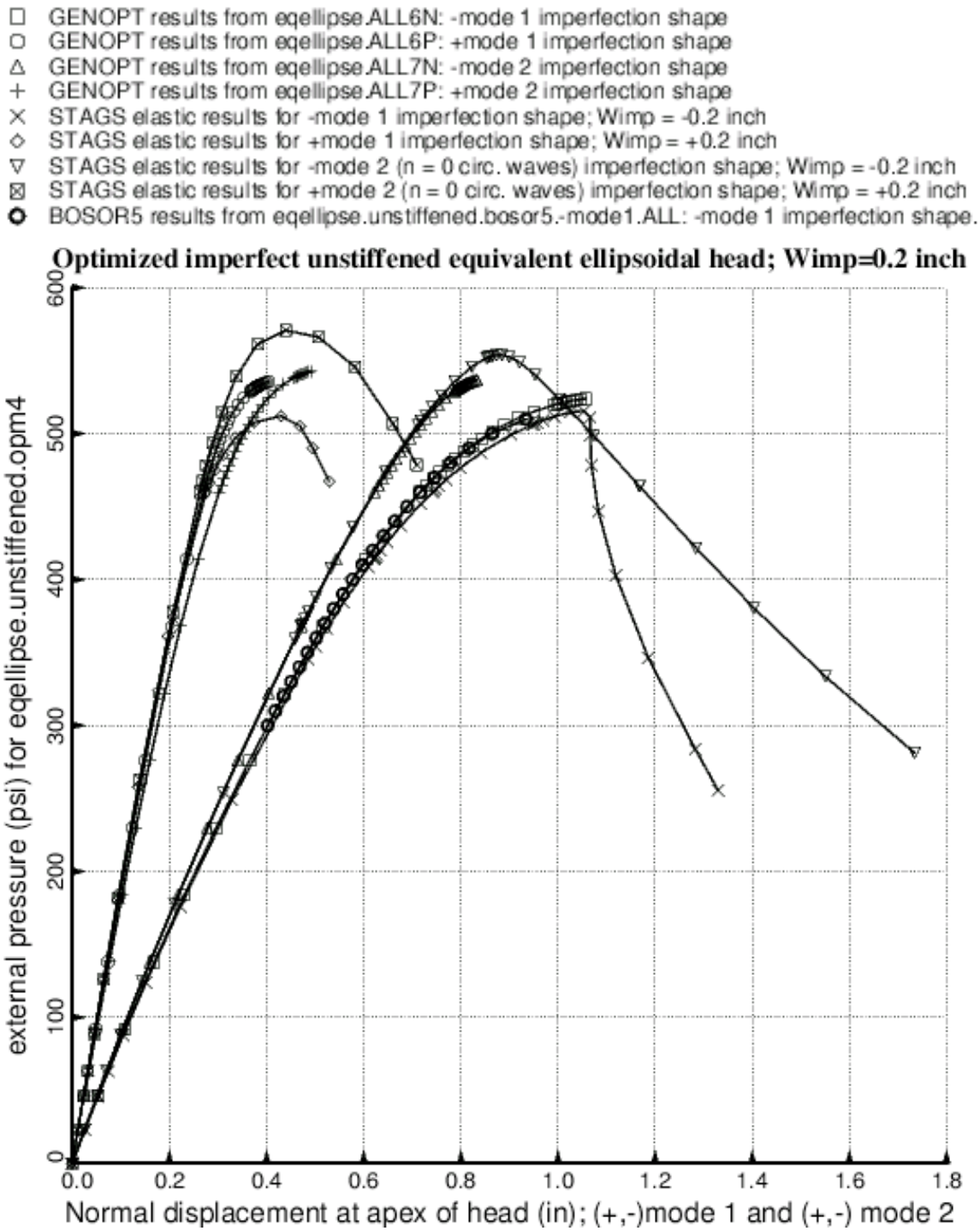

Fig. 83 Axisymmetric collapse of the optimized axisymmetrically **imperfect unstiffened** equivalent ellipsoidal shell under uniform external pressure from BIGBOSOR4 (elastic material), STAGS (elastic material) and BOSOR5 (elastic-plastic material). Compare with Fig. 16. There is more discrepancy between BIGBOSOR4 and STAGS predictions here than in Fig. 16 because the deflected shape of the imperfect unstiffened shell (Fig. 82) has more meridional waves than that for the isogrid-stiffened shell (Fig. 14), and therefore the 360-degree STAGS model shown in Fig. a1 is not as well converged.