Plate 14. Homogeneous vs. inhomogeneous nucleus (after Crifo et al., 2002b). The nucleus has the shape of P/Halley nucleus (Fig. 5) smoothed by removal of the shape-spherical harmonics of degree >10. The middle and lowermost panels show isocontours of the decimal logarithm of the gas number density, in the image planes of the Vega 2 flyby camera (image #90, center panels), and of the Giotto HMC camera (lower panels). The projected Sun directions are to the angular graduations 198.6° (Vega 2) and 197° (Giotto). The central blue area on the panels is the cross section of the nucleus in the image plane. On the lefthand panels, the nucleus is assumed homogeneous (constant icy area fraction f). On the righthand panels, f has the random pattern shown on the nucleus shape in the top panel.