

S ET AL.: NGC 5291

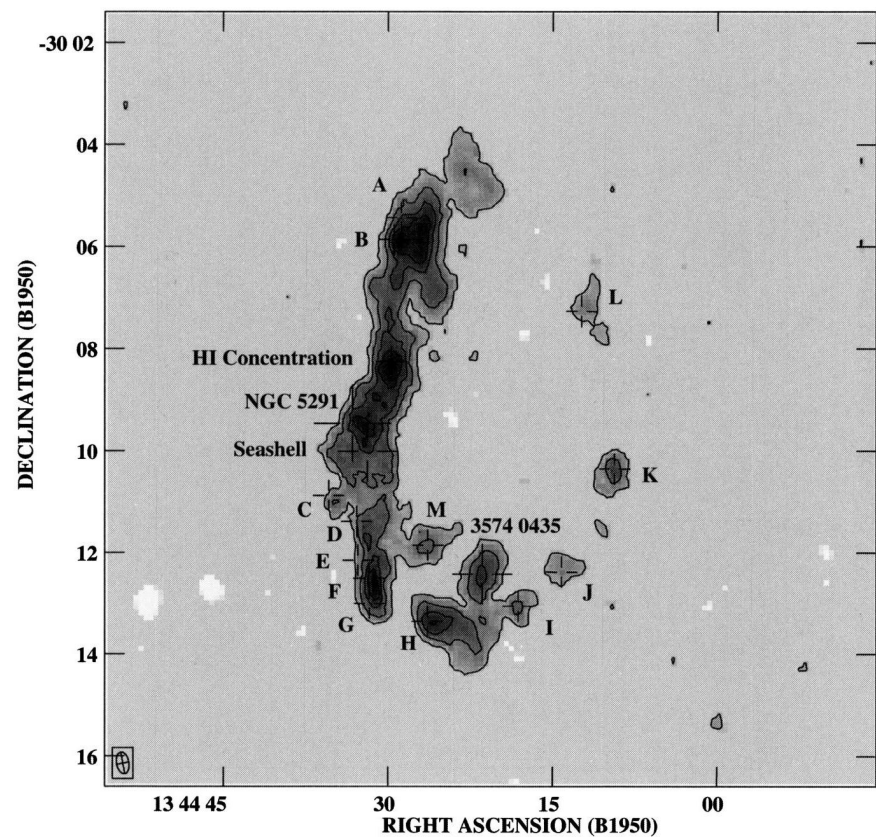


Figure 3. Contour plot of the H I integrated intensity from the C+D combined array data. Contour levels are 1.1 (2σ), 5, 10, 15, and $20\times$ the noise level (the noise level is indicated by the ellipse in the lower right corner). Optical and H I knots are indicated with labeled crosses.

associated with optical knots. The association of the H I concentrations with the optical knots is very striking. Figure 3 shows that the H I distribution in the complex is generally clumpy; the

radio spectroscopy is needed to verify these associations. A strong, highly resolved H I feature (clearly seen in Fig. 3) lies $\sim 0.5''$ west of a point about a third of the way from the nucleus of NGC 5291 to the brightest