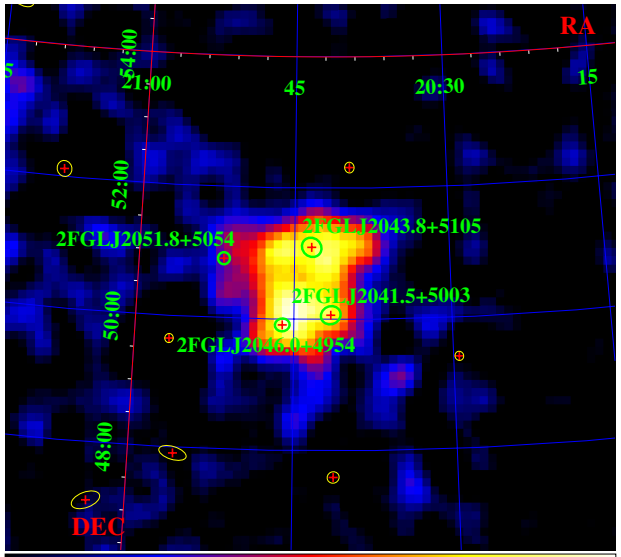
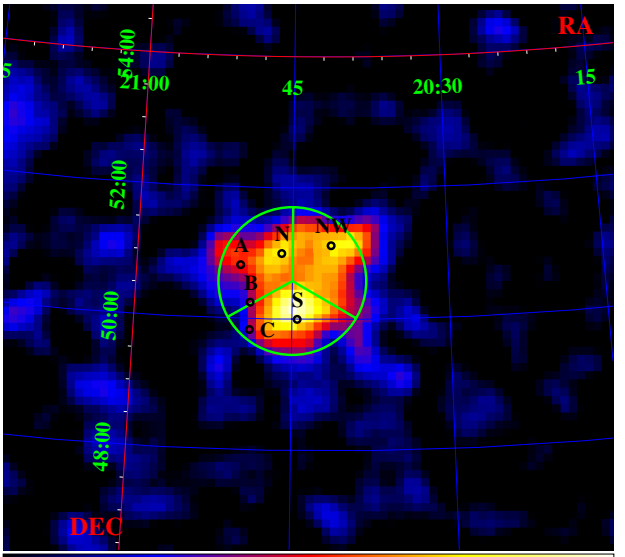
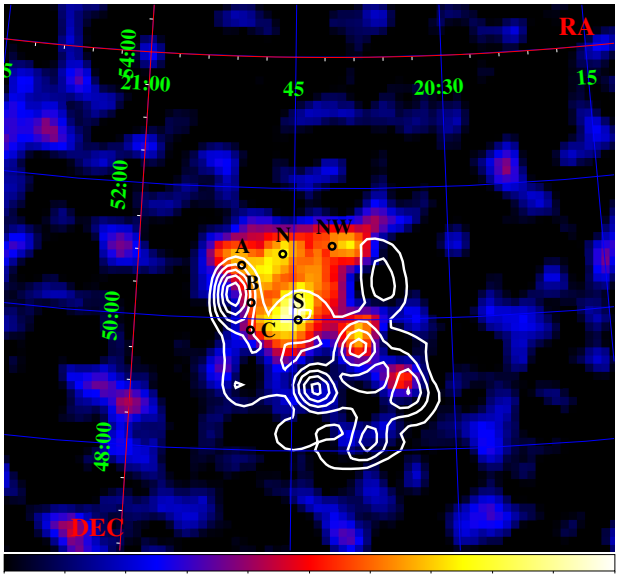


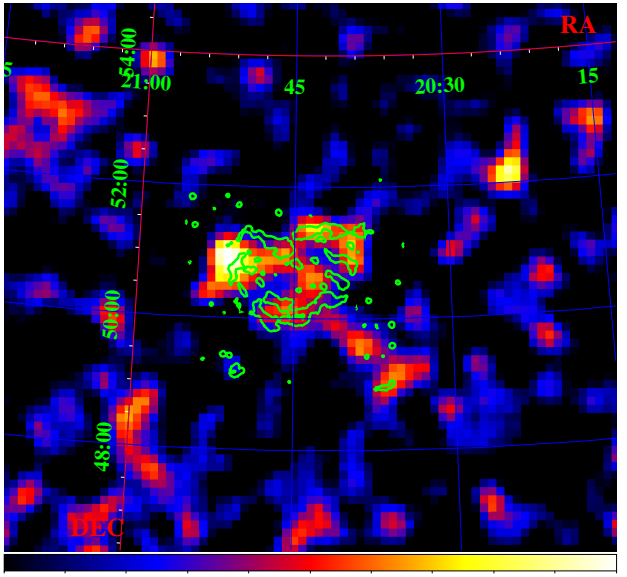
(a) S/N map above 100 MeV. Red crosses are the point-like sources from 2FGL catalog surrounded by their 95% position uncertainty ellipses. Sources highlighted with green ellipse are those ones we consider related to HB 21 and are removed from the model when computing the null hypothesis map.



(b) S/N map above 500 MeV. The circle used for the spectral modeling is shown, as well as the divisions discussed in Table 2. Symbols A, B, C, NW, N, and S mark the position of the relevant clouds, mentioned in Sect. 1. The size of the markers is not related to the extension of the clouds.



(c) S/N map above 1 GeV. White contours represent the large-scale CO distribution from Dame et al. (2001) integrated between 0 and -20 km s^{-1}. Symbols A, B, C, NW, N, and S mark the position of the relevant clouds, mentioned in Sect. 1.



(d) S/N map above 3 GeV. Green contours depict the 4850 MHz radio continuum emission (Condon et al. 1994).