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Flux densities and spectral indices of Relaxed Double radio galaxy 3C 84

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Here we study the flux densities at 1380, 4908 and 15365 MHz, as well as the radio spectral index distribution of 3C 84, a Double Radio source Associated with Galactic Nucleus (DRAGN). 3C 84 is the dominant giant elliptical galaxy in the Perseus cluster, and thus very interesting for our research. This famous radio galaxy Perseus A has Relaxed Double classification because it has the large halo, with the lack of its compact structure. We calculated the radio spectral index distribution over the whole area of the source, which we then also used to investigate the nature and mechanisms of its radiation.

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