

Minnie Mao (NRAO Socorro)

Spiral DRAGNs

In the local Universe, large-scale double-lobed radio sources are almost always hosted by elliptical galaxies. This is consistent with leading galaxy formation models that suggest both elliptical galaxies and extended radio sources are the result of mergers. These models do not allow for spiral galaxies to host large-scale double-lobed radio sources. However, to-date, four such sources have been observed to exist in the local Universe, including the recently discovered J1649+2635. We call these sources "spiral DRAGNs".