# Exploring the disk-jet connection in nearby Jetted AGN

Extrapolating the magnetization of the accretion disk with VLBI observations

a) Extent of the acceleration and collimation regions

The extent of the acceleration and collimation regions depends on the jet magnetization (among other factors), and it is a strong probe for the jet's properties [e.g., 3].

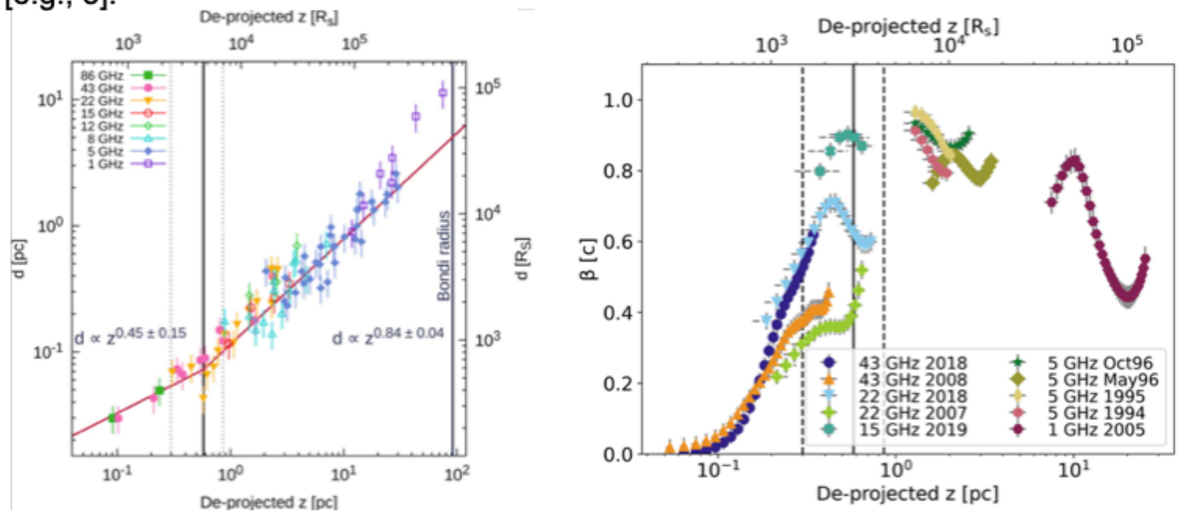


**Fig.2** Jet width [3] (left panel) and jet speed profiles [4] (right panel). The collimation distance is highlighted by the black vertical lines.

b) Core shift

The displacement of the VLBI core strongly depends on the jet magnetization as well [6].

c) Spectral index maps

Constraining the spectral index is important to understand the magnetic field geometry [5,9].

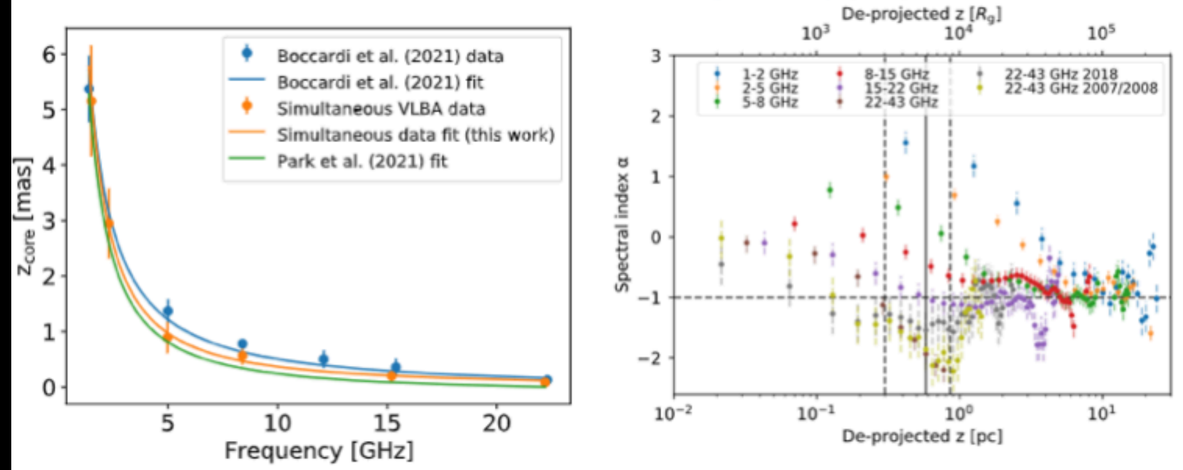


**Fig.3** Core shift displacement for different datasets (left panel) and average spectral index as a function of the distance from the 43 GHz core for different pairs of frequencies (right panel) [5].