Chandra observations of 3C 47 and 3C 219

G. Brunetti(*Dip. di Astronomia, Bologna University*), A. Comastri (*Osservatorio Astronomico di Bologna*), M. Bondi (*Istrituto di Radioastronomia del CNR, Bologna*), G. Setti (*Dip. di Astronomia, Bologna University*)

Abstract

In this poster we report preliminary results from a combined *Chandra* and radio VLA study of two radio loud objects : 3C 47 (z=0.425) and 3C 219 (z=0.1744).

In both these targets we discover non–thermal X–ray emission associated to the radio jets and hot spots and diffuse non–thermal X–ray emission coincident with the radio lobes.

Comparing the models' predictions with the radio and X-ray spectrum of the non–thermal features we obtain constraints on the spectral distribution and energetics of the emitting electrons and on the relativistic bulk motion of the X–ray jets.

CATEGORY: ACTIVE GALAXIES AND QUASARS