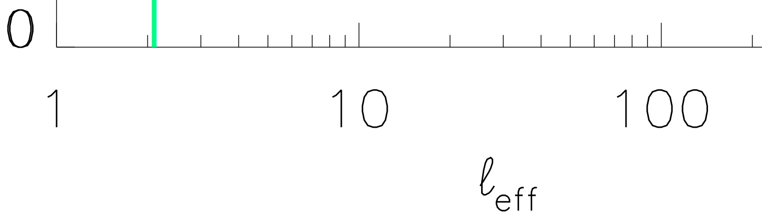

Figure 2: The results from the MAT experiment, showing the angular power spectrum of the CMBR anis
TOCO98 runs of map clearly delineate the "First Doppler Peak" at $\ell \sim 200$, as predicted by inflationary cos
with a flat space-time geometry. Courtesy Mark Devlin and Lyman Page.

In addition to single dish scanning experiments such as MAT, small specia
as the Cosmic Background Imager (CBI: Readhead et al.) and the Degree
(DASI: Carlstrom et al.) are soon to be operating at the Atacama and Sout
will probe the degree scales similarly to MAT, and the CBI will image th
arcminutes.

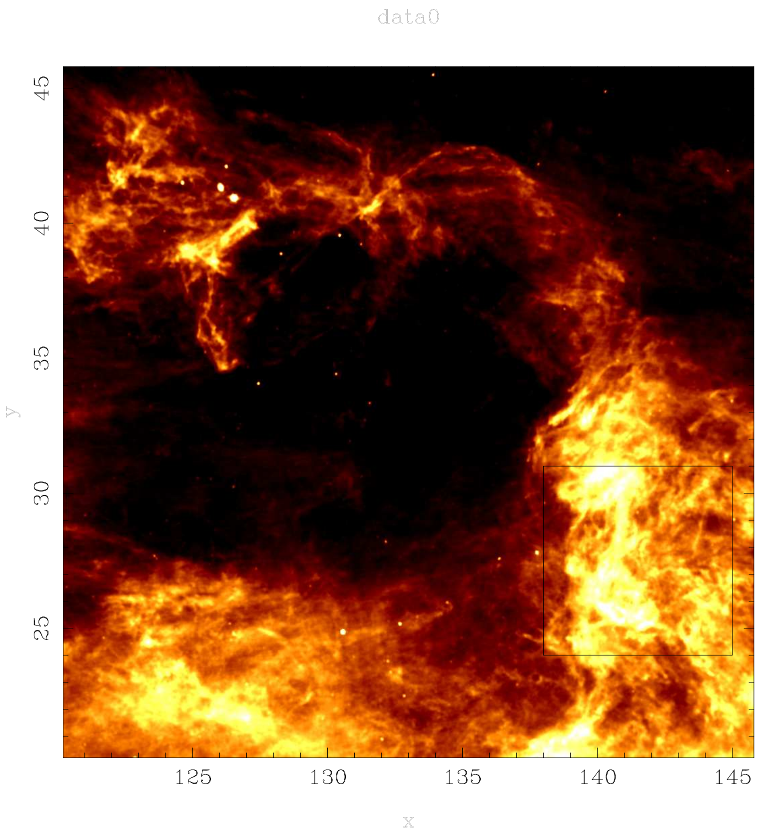

Figure 3: The North Celestial Pole (NCP) loop, from Leitch et al. (1996). The NCP is located at the center of the box at lower right. There is significant contaminating signal (200 μK in a 7′ beam) at 30 GHz from emission associated with this structure.

A significant problem af
scale CMBR anisotropy
and removal of galactic
emission (see Figure 3)
meter telescope has mea
angular scales of 10′ (Le
foreground emission att
ponent of the galactic
(Leitch et al. 1996).
ern CARMA (the com
two instruments with t
age, and angular resolu
rate foreground assessm
these anomalous foregro
in their own right!