

AN EXPERIMENT TO MEASURE THE ANISOTROPY OF THE COSMIC MICROWAVE
BACKGROUND RADIATION

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The fluctuation spectrum of the cosmic background radiation can potentially provide one of the best experimental inputs to constrain cosmological models. At large angular scale the dipole anisotropy of the background radiation has been measured with a signal to noise of 100 and upper limits for the quadrupole and autocorrelation function have been established, while at small scales upper limits have also been established. These limits are of order one part in 10^5 for both scales. At intermediate angular scale few experiments have been carried out and the results are not fully understood. We discuss an ongoing experiment in this angular region.