Observation of sub-TeV gamma-rays from RX J0852.0-4622 with CANGAROO-II 10m telescope





After these selection, the resulting α distribution is

shown in Fig.11(preliminary). 1. Aschenbach.B. 1998. Nature. 396.141

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5.reference

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=>Its effect must be removed by the analysis.

Further observation

This target is planned to be observed in January 2003.

3. Analysis

At first the data are calibrated using a LED source for the field flattening and the time-walk corrections. Then they are processed with "tna" logic, that is n-adjacent pixels over threshold to remove night sky background.

And we select the data taken at high elevation angles(>60°) in good weather conditions, a total of 35h23m. ON source and 33h26m. OFF source data remained for the further

analysis(Fig.8).Then the hot pixels effected by the stars and electrical noise are removed





Fig.11

4. Discussion

detection

2000

1500

1000

Figure 12 is the multi-wavelength

spectrum. The solid line is estimated

scattering of electrons. This leads to

the expectation of the CANGAROO

Very

by the model of the inverse Compton

Course Mil Vi

20 30 40 50 60 70 80 90 cr(degree)

preliminary