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Cosmic rays influence on aerosol optical properties

I. Sabbah (1) and Y. Mansour (2)

Department of Physics, Faculty of Science, Kuwait Univeristy

Cosmic rays intensity observed with neutron monitor located at Climax are analyzed during the 6-year period from 2001 through 2006 in conjunction with aerosol optical properties data from AERONET observed at BRSN_BAO, Boulder. The modal value of the Ångström wavelength exponent (α) during that period is high ~ 1.48 . This high value of α indicates the present of fine aerosol particles over BRSN_BAO. The Ångström wavelength exponent is correlated with the cosmic rays intensity during that period. This suggests that galactic cosmic rays contribute some how in producing aerosols.