

Abstract Submitted  
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**Indirect Dark Matter Search with AMS Transition Radiation Detector** FENG ZHOU, MIT, AMS COLLABORATION — The Alpha Magnetic Spectrometer (AMS) 02, to be installed on the International Space Station in 2010, will perform a high statistics study of cosmic rays in a large energy range. The Transition Radiation sub-detector (TRD) will provide a positron/proton separation up to 300GeV to search for the signatures of neutralino dark matter. The TRD design, test and current cosmic ray measurement will be presented. The study on cosmic ray secondary/primary ratio to constrain the galactic propagation model will also be discussed.

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