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Hadron-Induced High Energy
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Dependence of Dimuon Production on Incident Energy, Incident Particle Type and on Nuclear Target.*†
J. G. BRANSON, K. J. ANDERSON, G. G. HENRY, K. T. MC DONALD, J. E. PILCHER, E. I. ROSENBERG, G. H. SANDERS, A. J. S. SMITH, and J. J. THALER. The University of Chicago and Princeton University.--The FNAL Chicago Cyclotron Magnet Spectrometer has been used to study inclusive dimuon production as a function of both incident projectile and nuclear target species. Data have been taken at $p_{inc} = 150$ GeV/c (Be target) and 225 GeV/c (C^{12} , Sn targets) with incident protons and π^+ . Data on the C^{12} target have also been taken with an incident π^- beam. Preliminary results describing the dependence of the production of mu-pairs on beam energy, beam particle type and nuclear target species will be presented. The variation of x and p_T distributions for dimuon resonances may also be presented.

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†Submitted by A. J. S. SMITH

To follow abstract entitled
"Inclusive Vector Meson Production
in Dimuon Final States at FNAL,"
submitted by J. E. PILCHER.

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