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Bulletin Subject Heading
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Hadron-Induced High Energy
-Inclusive Reactions

Inclusive Dimuon Production at FNAL.*† G. G.
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J. E. PILCHER, E. I. ROSENBERG, G. H. SANDERS, A. J. S.
SMITH, and J. J. THALER. University of Chicago and
Princeton University.--Inclusive production of muon pairs
by hadrons incident on nuclear targets has been observed
using the Fermilab Chicago Cyclotron Magnet Spectrometer.
The large aperture of the cylindrical magnet (2.1 m radius,
1.27 m gap height) gives the spectrometer, for our target
configuration, smooth acceptance over the range: $0.05 < x_F$ (the Feynman scaling variable) < 1 ; $0 < p_{\perp} \leq 4$ GeV/c;
 $0.5 < M_{\mu\mu} < 12$ GeV/c². The experimental technique will
be briefly described and effective mass spectra will be
presented. Dependence of the inclusive dimuon cross
section ($M_{\mu\mu} \geq 1.5$ GeV/c²) on x and p_{\perp} may also be
presented.

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†Submitted by E. I. ROSENBERG

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

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