

Charm And Charm-strange Hadron Production In Ep Collisions At HERA As Probes Of Confinement

by Richard John Teuscher ; Bob (supervisor) Orr

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Charm and charm-strange hadron production in ep collisions at . Beam-Pipe Calorimeter of ZEUS at HERA . The production of D^* mesons in deep-inelastic ep-scattering has been whose production in electron-proton collisions is measured in this thesis, consists of ... Another is the quark confinement, ... An overview of the charm production mechanism and the formation of hadrons. Charm and charm-strange hadron production in \$ collisions at . ?4 Oct 2015 . Combination of Measurements of Inclusive Deep Inelastic ep Scattering ... Search for QCD Instanton-Induced Processes in DIS at HERA Combined analysis of charm-quark fragmentation-fraction Multiplicity dependence of strange and multi-strange hadron production in pp collisions at $\sqrt{s} = 7$ TeV. Measurement of the charm production cross section in DIS events at . PERTURBATIVE QCD HADRONIC INTERACTIONS - GBV Thesis. Report number, DESY-F-35-D-97-1. Title, Charm and charm-strange hadron production in ep collisions at HERA as probes of confinement. Author(s) ... Charm and charm strange hadron production in ep collisions - GetInfo and bottom (b) quarks compared to the light (u, d, s) quarks, endow heavy . charm (c) quark and the new bound state came to be known as the J/ψ confining potential, Common initial states include hadron-hadron collisions (typically pp (e.g. jet production at the HERA ep collider) will probe only a particular region ... Fermilab Library Book Catalog TEUSCHER, Richard John Dept. of Phys., Univ. of Toronto Charm and Charm-Strange Hadron Production in ep Collisions at HERA as Probes of Confinement ... Charm and charm-strange hadron production in ep collisions at HERA as probes of confinement. Authors : Teuscher, R.J. (Toronto Univ., ON (Canada). Dept. of ...

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at HERA as probes of confinement. Author(s): Richard John Teuscher (Toronto U.). The European Physical
Society Conference on High Energy Physics 4 Oct 2015 . Quarks and gluons, the fundamental degrees of freedom
in QCD, ... to the confinement of quarks and gluons within color neutral composite ... effectively making
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John. Title, Charm and charm-strange hadron production in ep collisions at HERA as probes of confinement.
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collision at HERA, from s.l. de- ... measurements of charm quark production in ep collisions. 1.1 Kinematics of
Deep Inelastic Scattering. In the Standard Model the interaction between a lepton and a hadron is realized
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Photoproduction of heavy quarks in events with two jets has been measured with the ZEUS . b and c hadrons and
the invariant mass of the decay vertices. Differential charm production at HERA were performed in the past;
though a general of data. Its purpose was to discard non-ep-collision events and select inter-. Measurement of
D*+- Production at Low Q2 with . - Universität Bonn 30 Jun 2015 . The inclusion of jet-production cross sections
made a simultaneous ... of $=2$ QCD with quarks in the fundamental representation. of the phase structure
appears to be sensitive to the origin of confinement, We consider hadron production in high energy collisions as
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