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## **Measurement of Inelastic J/psi and psi' Photoproduction at HERA**

*Tuesday, 23 April 2013 11:00 (20 minutes)*

The double differential inelastic J/psi photoproduction cross section as function of the squared transverse momentum of the J/psi in bins of the inelasticity  $z$  has been measured in ep collisions with the ZEUS detector at HERA.

An integrated luminosity of  $468 \text{ pb}^{-1}$  was used corresponding to the full data sample collected by the ZEUS experiment.

The events were required to have  $0.1 < z < 0.9$ ,  $p_t > 1 \text{ GeV}$  and  $60 < W < 240 \text{ GeV}$ , where  $p_t$  is the transverse momentum of the J/psi and  $W$  is the photon-proton centre-of-mass energy.

The J/psi mesons were identified through their decay into muon pairs.

The double differential cross section measurements are compared to the most recent theoretical predictions.

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**Session Classification:** WG5: Heavy Flavours

**Track Classification:** Heavy Flavours