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# Multi-lepton production at high transverse momentum at HERA

## Content :

A search for events containing two or more high-transverse momentum isolated leptons has been performed in ep collisions with the ZEUS detector at HERA using the full collected data sample, corresponding to an integrated luminosity of 480 pb<sup>-1</sup>. The number of observed events has been compared with the prediction from the Standard Model, searching for possible deviations, especially for multi-lepton events with invariant mass larger than 100 GeV. Good agreement with the Standard Model has been observed. Total and differential cross sections for di-lepton production have been measured in a restricted phase space dominated by photon-photon collisions.

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## Comments :

These results are presented on behalf of the ZEUS Collaboration