

# **Diffraction Hadroproduction of $W^+$ , $W^-$ and $Z^0$ bosons at High Energies**

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Results from a phenomenological analysis of  $W$  and  $Z$  hard diffractive hadroproduction at high energies are reported. Using the Regge factorization approach, we consider the recent diffractive parton density functions extracted by the H1 Collaboration at DESY-HERA. In addition, we take into account multiple Pomeron exchange corrections considering a gap survival probability factor. It is found that the ratio of diffractive to nondiffractive boson production is in good agreement with the CDF and D0 data. We make predictions which could be compared to future measurements at the LHC.