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The PDF interpretation of the measurement of a vector boson produced in association with jets at the ATLAS detector

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We present a PDF interpretation of events containing a vector boson produced in association with jets at a proton-proton collider, performed using ATLAS data from 2012 at a centre-of-mass energy of 8 TeV, together with ATLAS data on inclusive vector boson production at 7 TeV. The results are given relative to the ATLASepWZ16 PDF set, with consequences for the strangeness content of the sea. Systematic correlations between the input ATLAS data sets are fully accounted. The resulting PDF set is called ATLASepWZWjets19.

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