

Combined analysis of charm-quark fragmentation-fraction measurements

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A summary of measurements of the fragmentation of charm quarks into a specific hadron is given. Measurements performed in photoproduction and deep inelastic scattering in e^+p , pp and e^+e^- collisions are compared, using up-to-date branching ratios. Within uncertainties, all measurements agree, supporting the hypothesis that fragmentation is independent of the specific production process. Presented averages of the fragmentation fractions significantly improved precision compared to the individual measurements. Implications of results for other physical quantities' measurements are considered.

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