

# International Workshop on Partial Wave Analyses and Advanced Tools for Hadron Spectroscopy



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## Systematic Errors in Particle Physics

*Thursday 16 March 2017 09:00 (45 minutes)*

We consider some issues in the estimation of systematic errors as commonly performed by particle physicists. This is important in an era when large data samples reduce statistical errors to very small values, so that systematic uncertainties dominate. We highlight inconsistencies in the definitions and techniques currently used by some analysts, and offer guidelines for a more rigorous approach. Such estimates are more accurate, and in general smaller, than those from traditional practice.

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