



Wednesday December 16
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(password is required)

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“From noise to information: the transfer function formalism applied to nuclear form factors”

In this talk we will present a novel statistical framework: the transfer function formalism. We will illustrate how to use these tools to propagate uncertainties from data to observables of interest, to aid in experimental design with the aim of uncertainty minimization, to perform model selection and model building by analyzing the bias vs variance trade-off, and to calibrate the use of Bayesian priors. We illustrate the use of the transfer function formalism within the topic of nuclear form factors.