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From chi-squared to Bayesian model comparison: Levy expansions of Bose-Einstein correlations in e+e- correlations

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Abstract content
 (Max 300 words)

The usual chi-squared method of fit quality assessment is a special case of the more general method of Bayesian model comparison which involves integrals of the likelihood and prior over all possible values of all parameters. This is illustrated by various parametrisations applied to L3 experimental correlation data. Making use of increased discriminating power, we also introduce new parametrisations based on systematic expansions around the stretched exponential or Lévy source distribution.

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br> consider for a student
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Yes

Level for award

-&mbsp;(Hons, MSc,

-&mbsp; PhD)?

PhD

Main supervisor (name and email)

-br>and his / her institution

Prof. Hans Eggers University of Stellenbosch

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Yes

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