



Séminaire du Laboratoire de l'Accélérateur Linéaire

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Precision QCD simulations at the LHC: fixed order versus resummation

This talk reviews recent progress on parton showers and their interplay with higher-order QCD calculations. A method for matching NNLO results to parton showers is presented, and its formal accuracy is discussed. A new algorithm for NLL accurate resummation in high-multiplicity final states is introduced, and its results are compared to parton shower predictions. Finally, prospects for the formal improvement of parton showers beyond the MLL approximation are discussed.

Salle 101 du LAL - Bât. 200, Orsay

Thé et café seront servis 5 mn avant le séminaire