## XXI International Workshop on Deep-Inelastic Scattering and Related Subjects



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## The Vincia parton shower

Thursday 25 April 2013 11:40 (20 minutes)

I present recent developments in Vincia.

Vincia is a parton shower program, implemented as a plugin to Pythia 8, which emphasises efficient matching to fixed-order matrix elements and comprehensive estimates of uncertainties.

I discuss the extension of Vincia to hadronic initial states, a first step to LHC applications. I also present the implementation of a shower evolving partons with identified helicities, which greatly speeds up matching to tree-level matrix elements.

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