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## Heavy-flavor (in jet) fragmentation from HF-NRevo: Towards NRFF1.0

We report progress on the Heavy-Flavor Non-Relativistic Evolution (HF-NRevo) setup, a novel methodology to address leading-power fragmentation of hadrons containing one or more heavy quarks at moderate to large transverse momentum. As a first step, we focus on heavy quarkonia, building on Non-Relativistic QCD (NRQCD) next-to-leading-order calculations for all parton fragmentation channels to vector states such as  $J/\psi$  and  $\Upsilon$ , as well as pseudoscalar states  $\eta_c$  and  $\eta_b$ , which we take as proxies for initial-scale inputs. A complete set of variable-flavor number scheme fragmentation functions, named NRFF1.0, is then built through standard DGLAP evolution. Statistical uncertainties are assessed via a Monte Carlo, replica-like approach that also accounts for Missing Higher-Order Uncertainties (MHOUs). The link between the NRFF1.0 and MCscales approaches will be discussed. Finally, we highlight the use of HF-NRevo to study the collinear fragmentation of singly and doubly heavy-flavored hadrons in jets.

## Secondary track

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