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EKO and yadism: new software tools for DGLAP and DIS

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We present EKO, a new PDF evolution code, and yadism, a new DIS structure function library. Both programs produce operators which are independent from the boundary condition, can be stored and quickly applied to several PDFs.As a first application we show a determination of intrinsic charm content of the proton. Both codes are fully open source and written in Python, with a modular structure in order to facilitate usage, readability and possible extensions. We provide a set of benchmarks with similar available tools, finding good agreement.

Submitted on behalf of a Collaboration?

No

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