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GoSam-2.0: a tool for automated one-loop calculations within and beyond the Standard Model

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We present the version 2.0 of the program package GoSam, which
is a public program package to compute one-loop QCD and/or electroweak corrections
to multi-particle processes within and beyond the Standard Model.
The extended version of the Binoth-Les-Houches-Accord interface
to Monte Carlo programs is also implemented.
This allows a large flexibility regarding the combination of the code with
various Monte Carlo programs to produce fully differential NLO results,
including the possibility of parton showering and hadronisation.
We illustrate the wide range of applicability of the code by showing various
phenomenological results for multi-particle processes at NLO,
both within and beyond the Standard Model.

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