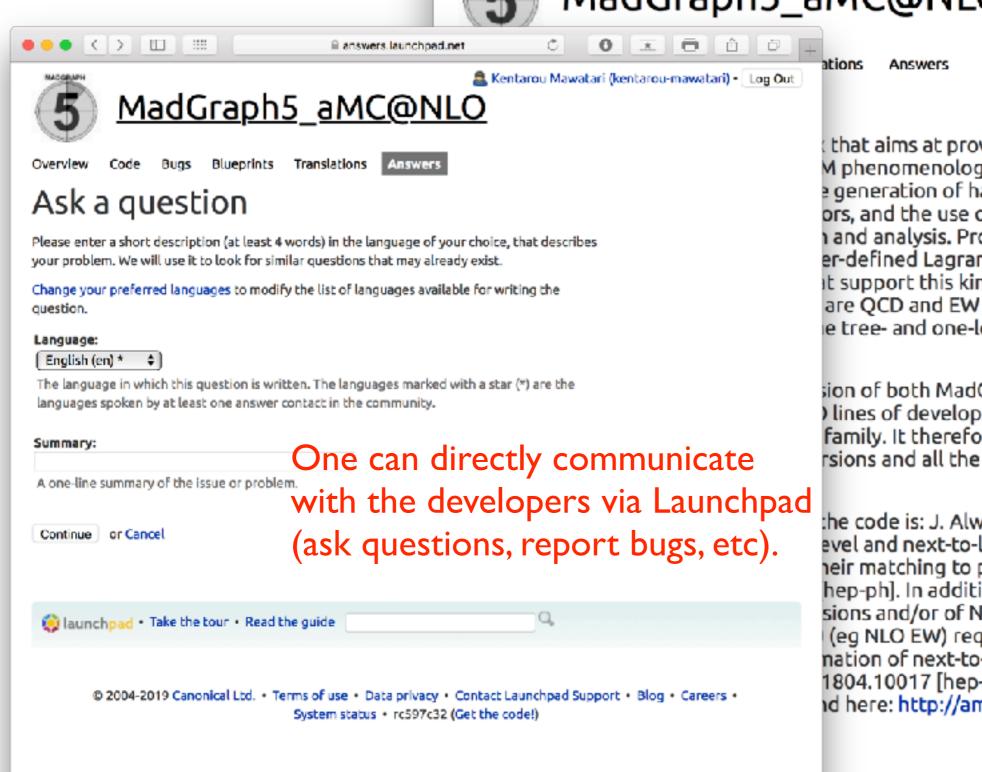
MG5aMC; main 4 steps

- MG5_aMC> import model MODEL (e.g. 2HDM)
- MG5_aMC> generate PROCESS (e.g. p p > t t~)
- MG5_aMC> output (myprocess)
- MG5_aMC> launch
- MG5_aMC> launch
- MG5_aMC> ...

MG5aMC; tips

- Use auto-completion by "tab (tab)".
- MG5_aMC> help
- MG5_aMC> help COMMAND (e.g. generate)
- MG5_aMC> tutorial



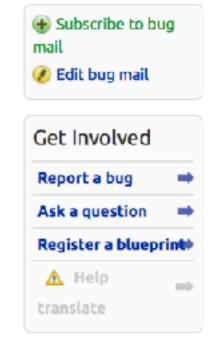


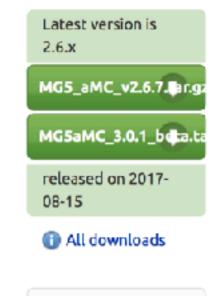
that aims at providing all M phenomenology, such as generation of hard events ors, and the use of a variety and analysis. Processes can er-defined Lagrangian, an the it support this kind of are QCD and EW corrections e tree- and one-loop-level

sion of both MadGraph5 and lines of development of family. It therefore rsions and all the beta

the code is: J. Alwall et al. evel and next-to-leading neir matching to parton hep-ph]. In addition to that, sions and/or of NLO (eg NLO EW) require the nation of next-to-leading 1804.10017 [hep-ph]. A more nd here: http://amcatnlo.

nackage (see the right of this page)





Downloads

https://launchpad.net/mg5amcnlo

Appouncemente

EX-I; R-ratio

- Compute the total cross section for e-e+ → µ-µ+ in QED at 2 different center-of-mass (CM) energies
- Compare with the analytic result.
- Confirm the R-ratio below and above the J/ψ threshold.