

LHC Monte Carlo Working Group

WG main web page: <https://lpsc.web.cern.ch/content/monte-carlo-wg>

Mandate

Address and improve Monte Carlo (MC) generators of proton-proton processes for the LHC experiments

- improvements in physics modeling
- MC tuning including simulation of minimum bias and underlying event
- computational and technical aspects (–ve wghts, speed and acceleration, etc.) simulation of minimum bias and underlying event.

Modeling issues that are covered in other working groups (such as top quark or heavy ion processes) are to be discussed in their respective working groups.

The LHC MC WG operates by holding **public meetings** where all relevant topics are discussed. Smaller meetings with a specific focus may be scheduled, and **subgroups may be formed** as deemed necessary by the SG. The subgroups would report on their activities in the plenary meetings. A special case is that of **possible combinations or comparisons of experimental data**. In this case the meetings will be restricted to members of the relevant experiments.

LHC Monte Carlo Working Group

Conveners:

ALICE: Antonin Maire

ATLAS: Dominic Hirschbuehl

CMS: Si Hyun Jeon

LHCb: Tom Hadavizadeh

Theory: Leif Lonnblad, Michelangelo Mangano (LPCC)

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Reach all conveners through [lhc-mcwg-admin](mailto:lhc-mcwg-admin@cern.ch) at [cern.ch](mailto:lhc-mcwg-admin@cern.ch)

WG mailing list, sign-up [here](#)

WG Indico category: <https://indico.cern.ch/category/18585>