

# MadDM 3.0 EW

Federico Ambroggi<sup>1</sup>,

Institut für Hochenergiephysik, Österreichische Akademie der Wissenschaften, Nikolsdorfer Gasse 18, 1050 Wien, Austria

Received: date / Accepted: date

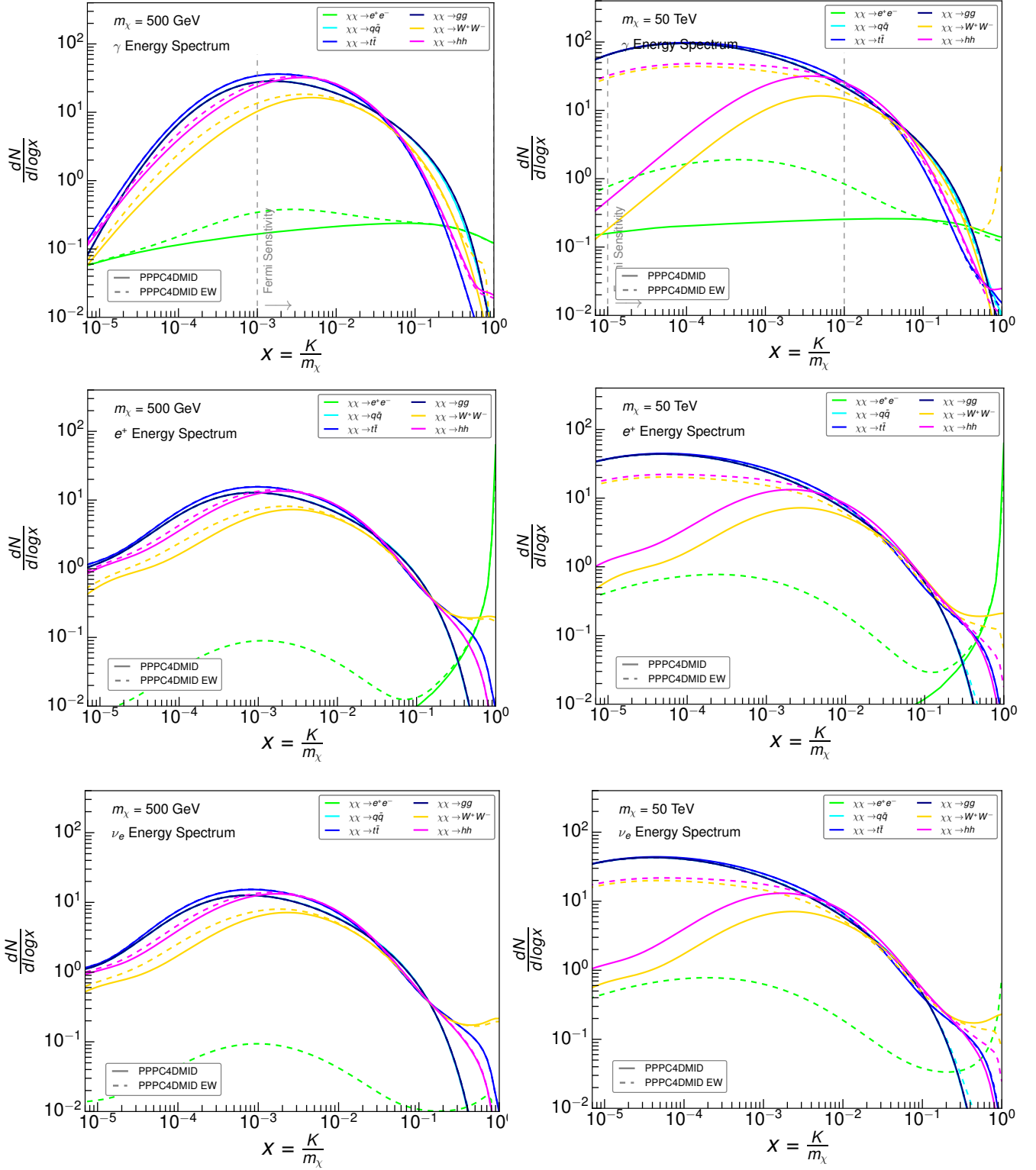
**Abstract.** This documents summarises the status of the studies of the discrepancies found in the energy spectra provided in the `PPPC4DMID` tables (labelled **PPPC4DMIDew** in MadDM v.3.0) and the spectra produced with MadDM 3.0.

## 1 A look at the `PPPC` Electroweak Corrections

In this section the energy spectra for the Cosmic Rays  $CRs = e^+, \nu_e, \gamma$  extracted from the `PPPC4DMID` and `PPPC4DMID_ew` Tables are compared, to get an idea of the effect of the EW correction (according the `PPPC4DMID` collaboration).

## Acknowledgments

Thanks



**Fig. 1.** Energy spectra ( $\gamma, e^+, \nu_e$ ) for  $m_\chi = 500$  GeV (left) and 50 TeV (right) extracted from the PPC4DMID and PPC4DMID\_EW tables, from selected annihilation channels.