

One-loop electro-weak corrections to three-jet observables of b -quarks e^+e^- annihilations

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All the integrated and differential cross-sections presented in the original paper have been mistakenly multiplied by an overall factor of 1/3. Furthermore, besides the cuts described in Sect. 2, an additional cut was imposed to obtain the results which is not correctly stated in the paper: namely, the energy of each jet is required to be larger than $\min(5 \text{ GeV}, 0.05 \times \sqrt{s})$.

However, the relative effects due to the impact of the full one-loop EW terms of $\mathcal{O}(\alpha_S \alpha_{\text{EM}}^3)$ remain unchanged as well as the conclusions of our study.

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References

1. T. Gehrmann, C. Kurz, A. Denner, S. Dittmaier, [arXiv:0906.0372](https://arxiv.org/abs/0906.0372) [hep-ph] and private communication

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