



Erratum: Towards a muon collider

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Tao Han's ORCID ID has been incorrectly assigned to Chengcheng Han and Chengcheng Han's ORCID ID to Tao Han.

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The original article has been corrected.

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Reference

139. S Alex Bogacz, Muon acceleration concepts for NuMAX: "dual-use" Linac and "Dogbone" RLA. *JINST* **13**(02), P02002 (2018). <https://doi.org/10.1088/1748-0221/13/02/P02002>. [arXiv:1708.01274](https://arxiv.org/abs/1708.01274)