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Author: Colin Maden Heinrich Baur Anne-Laure Fauré Amélie Hubert Fabien Pointurier Bernard Bourdon

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# ACCEPTED MANUSCRIPT

# Determination of Ionization Efficiencies of Thermal Ionization Cavity Sources by Numerical Simulation of Charged Particle Trajectories including Space Charge

Colin Maden<sup>1</sup>, Heinrich Baur<sup>1</sup>, Anne-Laure Fauré<sup>2</sup>, Amélie Hubert<sup>2</sup>, Fabien Pointurier<sup>2</sup>, Bernard Bourdon<sup>3</sup>

 $^1\!ETH$  Zürich, Institute of Geochemistry and Petrology, Clausiusstrasse 25, CH-8092 Zürich,

Switzerland

<sup>2</sup>CEA, DAM, DIF, 91297, Arpajon Cedex, France

<sup>3</sup>Laboratoire de Géologie de Lyon, ENS Lyon and UCBL, UMR 5276, CNRS, France

\*Corresponding author: Colin MADEN, Clausiusstrasse 25, NW C83.2, CH-8092 Switzerland; Tel.

+41 44 632 78 39, maden@erdw.ethz.ch

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