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Subject: Submission to *Physics in Perspective*

Dear Editors,

I am pleased to submit my manuscript "The Past of an Electron: Young Popper's *Gedankenexperiment* Against the Indeterminacy Relations" for consideration in *Physics in Perspective*.

The paper reconstructs Karl Popper's early engagement with quantum mechanics (1934–1936), focusing on his attempt to challenge the indeterminacy relations through a thought experiment involving electron–photon collisions. Drawing on unpublished archival material and correspondence with Weisskopf, Heisenberg, von Weizsäcker, and Einstein, it shows how Popper's reasoning evolved under the scrutiny of leading physicists. More broadly, it examines how one of the most influential philosophers of science sought to appropriate and reinterpret key ideas of the emerging quantum theory.

I believe that *Physics in Perspective* is an ideal venue for this study because the journal bridges the gap between physicists and non-physicists, fostering dialogue between the histories of science and philosophy. The paper contributes to this aim by examining the early reception of quantum mechanics among philosophers rather than physicists. Although grounded in historical and textual analysis, it is written to remain accessible to a wide readership of scientists, philosophers, historians, teachers, students, and interested readers.

Thank you for considering this submission. I hope you will find it suitable for publication in *Physics in Perspective*.

Sincerely,

Marco Giovanelli