

# Pilot Wave model that includes creation and annihilation of particles

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(Submitted on 12 Nov 2010 (v1), last revised 16 Nov 2010 (this version, v2))

The purpose of this paper is to come up with a Pilot Wave model of quantum field theory that incorporates particle creation and annihilation without sacrificing determinism. This has been previously attempted in an article by the same author titled "Incorporating particle creation and annihilation in Pilot Wave model", in a much less satisfactory way. In this paper I would like to "clean up" some of the things. In particular, I would like to get rid of a very unnatural concept of "visibility" of particles, which makes the model much simpler. On the other hand, I would like to add a mechanism for decoherence, which was absent in the previous version.

Comments: 9 pages, no figures

Subjects: **General Physics (physics.gen-ph)**

Cite as: **arXiv:1011.3039v2** [physics.gen-ph]

## Submission history

From: Roman Sverdlov [[view email](#)]

**[v1]** Fri, 12 Nov 2010 20:54:55 GMT (10kb)

**[v2]** Tue, 16 Nov 2010 21:48:21 GMT (10kb)

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