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Novel resummations for strong field (S)QED

Monday, 8 July 2024 18:00 (20 minutes)

There are several quantum phenomena that can be described in a semiclassical approach, such as the Hawking effect, Schwinger pair production and the Casimir effect.

In this talk we will focus on the role of resummations in this framework, which are necessary if one wants to access the nonperturbative regime. We will give a general overview of results valid for quantum fields in curved spacetime and in electromagnetic backgrounds, including some recent novelties as well.

Partly based on <https://arxiv.org/abs/2312.16303>.

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