

(virtual) CP-violating forces in electroweak baryogenesis: Spinoff from leptogenesis

Thursday, 8 December 2022 15:00 (1 hour)

I will report on a project with Ilyas, Tamarit & White where we calculate the non-collisional source for electroweak baryogenesis from flavour-mixing in a two-fermion system. The equations describing this system have been derived by Konstandin, Prokopec and Schmidt in 2004,5. Here, we aim for an analytic approximation to the solution, that has thus far not been derived. The basic approximation is similar to what has been applied in to the equations for resonant leptogenesis in the Schwinger-Keldys framework.

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