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Title: Fermiogenesis - How to explain its occurrence in causal fermion systems

Abstract: Fermiogenesis is a variant of baryogenesis, the process explaining the matter-anti-matter asymmetry in our Universe. We derived a novel mechanism based on the theory of causal fermion systems. In this setting, the asymmetry is generated entirely in the fermionic sector of the particle model. In my talk, I will introduce the basic ideas and mathematical structures that underlying this new mechanism. Furthermore, I will give a brief outlook on the potential for new phenomenology arising from this mechanism of fermiogenesis.