## The Time Machine Factory [unspeakable, speakable] on Time Travel -



Contribution ID: 116 Type: talk

## Geometric Event-Based quantum mechanics (GEB): a fully covariant relativistic quantum mechanics

Tuesday 24 September 2024 09:25 (40 minutes)

I present a fully covariant framework for quantum mechanics, where the quantization is based on quantum events instead of quantum systems. The dynamics is introduced through constraints. Hopefully, this means that the same framework can be extended also to general relativity (up to now we developed only the special relativistic case), where it should account for CTCs using the, previously developed, post-selected teleportation mechanism p-CTC that is based on constraint equations and can account for CTCs in quantum mechanics.

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