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Scientific Phenomenological Realism and the Physics of Unobservables: Einstein, Husserl, and Neelamkavil

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Despite various positions and ideologies, scientists construct unobservable entities from certain indicative manifestations of a possible existent. From this point of view, Husserl's phenomenology is presented as a possible philosophical framework to elucidate the meanings of foundational theoretical terms in relativistic physics, emphasizing their a priori character, its linguistically contingent aspect and the intersubjectivity of intelligible unobservables. Assuming the phenomenological consideration of the phenomenon-subject-object trinomial in General Relativity, the manifestations of an existent (based on Raphael Neelamkavil's irreducibly physical-ontological universals and intersubjective essences in Husserl), we approach the processual character of the subject, object, and Reality through the ontological Categories of Extension-Change in Neelamkavil with respect to Einstein's Theory.

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