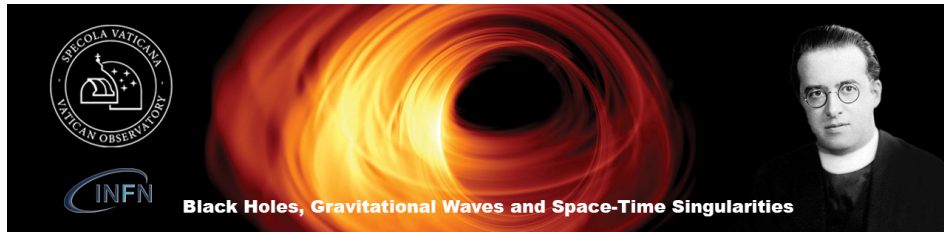


Lemaître Conference 2024



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Primeval Atom 2.0

Wednesday 19 June 2024 15:00 (40 minutes)

Georges Lemaître saw in the quantum birth of the universe also an epistemic horizon, a notion he somewhat poetically expressed in his primeval atom hypothesis. In this he differed from both Einstein and Eddington, and from present-day proponents of the multiverse. I present a novel holographic version of the Hartle-Hawking no-boundary proposal for the origin of the universe and I argue that this is in fact in line with Lemaître's intuition. This new no-boundary proposal is much like a Primeval Atom 2.0 and I briefly discuss its theoretical, phenomenological and philosophical implications.

Presenter: HERTOOG, Thomas (KULeuven)