



Contribution ID: 340

Type: Talk in the parallel session

Looking at quantization of a wave function, from Weber(1961), to signals from wavefunctions at the mouth of a wormhole

Wednesday, 7 July 2021 09:10 (10 minutes)

We utilize how Weber in 1961 initiated the process of quantization of early universe fields to the problem of what may be emitted at the mouth of a wormhole. While the wormhole models are well developed, there is as of yet no consensus as to how, say GW or other signals from a wormhole mouth could be quantized, or made to be in adherence to a procedure Weber cribbed from Feynman, in 1961.

In addition, we utilize an approximation for the Hubble parameter parameterized from Temperature using Sarkar's $H \sim \text{Temperature}$ relations, as given in the text. Finally after doing this we go to the Energy as E also $\sim \text{Temperature}$, and from there use E (energy) as \sim signal frequency. This gives us an idea of how to estimate frequency generated at the mouth of a wormhole.

Primary author: BECKWITH, Andrew (Chongqing University, physics)

Presenter: BECKWITH, Andrew (Chongqing University, physics)

Session Classification: Wormholes, Energy Conditions and Time Machines

Track Classification: Alternative Theories: Wormholes, Energy Conditions and Time Machines