

Matter, Antimatter & the Big Bang



By Ciarán Handley

7th September 2018

Matter, Antimatter & the Big Bang

Chapter 1



If in Pair Production Matter and Antimatter are produced equally then why did the Big Bang produce more Matter than Antimatter?

“Em? Ehh? Em...?”

Don't ask Mr. Slate. He doesn't know.

Ask me instead.

It's all to do with String Harmonics



You see the phenomenally high energies of the Big Bang energised the very high upper harmonics of the Strings which make up matter

These harmonics are not stable generally. (Upper harmonics *can* be stabilised, but that is a separate discussion. Normally in nature they are not stable.)

As we go higher up in the String Harmonics, *Phase Variance* is introduced in the harmonics. This is a consequence of the high energies associated with these upper harmonics. These Phases Variances in the upper harmonics are for the most part unstable, causing rapid decay of the upper harmonics.

So not all solutions to the String Harmonics are equally valid. Some are stable. Others are more unstable.

It just so happens that the antimatter solutions are more unstable.

Which is why after the Big Bang there was a predominance of Matter in the Universe. Not Antimatter.

[Frankenstein \(Young Frankenstein flipped trailer\)](#)

Matter, Antimatter & the Big Bang



End