

CP Violation had Nothing to do With our Universe's Lack of Antimatter: Briggs Fermions Transferred From the Previous Universe had Everything to do With it

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Abstract: Dark energy $-mc^2$ relative mass closely matches the relative mass of 6 top quarks: this indicates complete annihilation of the top quarks negative mass to dark radiation which we call dark energy had occurred before the big bang: this left Briggs fermions as the only possible source of matter to our new universe after the big bang, and this source, transferring matter from the previous universe only, had no antimatter to give either.

Since I authored my last publication viXra 1701.0561, I have realized that the amount of dark energy¹ ($6 \times 173.34 + 67.62$) GEV I needed for agreement of experimental dark energy/dark matter to within 1/2% did not permit anything less than complete annihilation of the six top quarks, ruling out this source as a further source of antimatter. The last possible source remaining was of Briggs fermions, active in the epoch prior to the big bang, but this source also lacked antimatter. Thus our broken E8 symmetry epoch started out with no antimatter particles (almost half the known particles) and has remained this way for 14 billion years.

1. "Dark energy/fermion ratio matches E8 symmetry, cyclic universe within $\frac{1}{2}\%$ if dark matter annihilation gamma emission energy is $2(H-Z)$ ", viXra 1605.0223, (2016)