

Annihilation of Top Quark Matter-Antimatter Pairs Produced Our Universe Without Antimatter

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Abstract: As part of the production of 8-fold composite particles of life in the epoch before the big bang, top quarks and their anti-quarks were produced in large numbers. After disruption of the composite entities (Briggs fermibosons) the freed top quark particles met and annihilated (in active quasars) early in the present epoch. This annihilation was not complete due to CP violation, however, resulting in the universe without antimatter we see today

One of the ongoing mysteries¹ today is why does our universe seemingly contain no antimatter particles? The answer is very simple: originally it did have antimatter particles, but for only a short time. The particles and antiparticles were all of one type, top quark, produced in the epoch before the big bang. I discussed the top quarks but overlooked the top antiquarks, for which I am sorry, in my publication viXra 1605.0067. The top quark – antiquark pairs were produced in substantially unequal numbers however, as a result of CP violation, so that not all the top quark particles disappeared but the antiquark particles did. Evidence for the magnitude of the cataclysm is seen today as bright quasars exploding very early in our broken symmetry E8 symmetry epoch, or possibly even as dark energy from annihilations produced in the previous epoch.

We do not yet have detailed knowledge of the amount of CP-violation to expect from top quark-top antiquark annihilation, but this is expected to soon change². We note also that fermionic matter transferred from the previous universe

by Briggs fermibosons would contain no antimatter, since this would all have already annihilated. All the antimatter ever present in the last two epochs was composed of top quark matter exclusively, and this largely annihilated very early in our E8- broken symmetry epoch. The state-of-the-universe density allowing conditions are not completely known for the annihilation action but were presumably met by the very earliest, densest universe.

What evidence do we have of top quark annihilation early in our present universe? Very simply – the overwhelming presence of dark energy! Dark energy is merely top quark-top antiquark annihilation radiation dating from the earliest universe. I myself have long wondered why the mass of 6 top quarks³ matches the mc^2 mass of dark energy believed to exist in our universe.

1. “In hot pursuit of CP violation”, Cern Courier, May 28, 1999
2. “LHCb searches for strong CP violation”, Nov. 11, 2016
3. “68.3%/26.8% dark energy/fermions recent ratio matched within 6% by disruption-annihilation of (ttH+ttZ) plus (tH+tZ) fermibosonic entities”, ViXra 1603.0179, (2016)