

# Temperature inhomogeneities in the matter-antimatter domains.

Alexander Rudenko  
Novosibirsk State University  
Russia

Temperature inhomogeneities in the model of C(CP) violation with formation of matter-antimatter domains are studied. The process of baryon and antibaryon diffusion towards each other is considered and the probability of their annihilation is calculated with an account of the plasma inhomogeneity near the domain wall which existed in the past and totally disappeared by now. This effect allows to modify the existing bounds on the minimal distance to the antimatter domains in the universe.