ABSTRACT

Big Bang Nucleosynthesis is the stage in the Big Bang when neutrons and protons begin to fuse together to form heavier and heavier nuclei. This poster presentation will trace the process from a temperature of 100 GK down to less than 0.01 GK, noting how the abundances of nuclei evolve over time. It will then show that abundance values calculated by a computer code of the process can set parameters on the baryon-to-photon ratio of the universe. One can then compare these abundances with observed abundances and comment on the accuracy of the experimentally measured values and the validity of the computational model.

SOURCES

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