The First Light Illuminate the Universe

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Astronomers studying the distant Universe have found that small star-forming galaxies were abundant when the Universe was only 800 million years old, a few percent of its present age. The results suggest that the earliest galaxies, which illuminated and ionized the Universe, formed at even earlier times.

Long ago, about 300,000 years after the beginning of the Universe, the Universe was dark. There were as yet no stars and galaxies, and the Universe was filled with neutral hydrogen gas [1]. At some point the first galaxies appeared, and their energetic radiation ionized their surroundings, the intergalactic gas, illuminating and transforming the Universe.

According to the calculation, the hydrogen gathered themselves together, and when the mass reaches 228279339125 solar masses, hydrogen fusion occurs in the center of the galaxy and going to the hydrogen fusion big explosion. The big bang outward from the center of the galaxy produce all kinds of chemical elements in order of heavy to light nuclei, the product of the big bang to form galaxy, the center of galaxy containing rich in heavy elements, the surface of the object is the product of the heavy nuclear fission reaction.

Inside the sun is the heavy nuclear fission reaction, the interior of the earth is also the heavy nuclear fission reaction and heavy nuclear fission reaction is also exist within the planets.

References