

, in which 0.7 percent of the original rest energy of the hydrogen is converted to other forms of energy. Although the atomic bomb proved that vast amounts of energy could be liberated from the atom, it did not demonstrate the precision of Einstein's equation. As knowledge of the atom developed in the 20th century, it was discovered that the protons and neutrons that form its nucleus are themselves formed from the more elementary subatomic particles known as quarks, bound together by massless gluons, in the theory of quantum chromodynamics. However, quarks account for only about 5 percent of an atom's mass, leaving the vast remainder of its mass to be explained. In 2008, following intense computations led by Laurent Lellouch of France's Centre for Theoretical Physics on various supercomputers, the missing mass was shown to reside in the energy associated with the subatomic particles' motions and interactions. In other words, Einstein's equation was verified at the subatomic scale.

Do you know anything more about this topic that you'd like to share?

Generating Solar power 24/7 (even at night)

I came across this video which is about a new technology that generates electricity using solar energy 24/7 (even at night).