

FLASF Special Award - Anatomy - March 26 2015.

Project

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Title: Helium-3 The Power Source For Tomorrow

Summary:

Helium-3 is a very strong and useful isotope. This resource can replace nuclear fission, for a better and non-radioactive power. Unlike the Fission chamber a fusion chamber fuses the atoms together to create power, releasing no nuclear waste. This is very important and could power the worlds tomorrow. Helium-3 is an extremely rare resource on Earth, but it is very common on the moon. Scientists discovered this when each moon sample had Helium-3 in it. Helium-3 is emitted by the sun and is spread throughout the galaxy in solar flares. This is also the reason why it is extremely rare on Earth, because the Earth has a magnetic field that protects us from things such as solar flares, meteorites and UV rays no Helium-3 can be found on Earth. Countries are now beginning to realize Helium-3's true power and are preparing to return to the moon for this resource. Countries are preparing to mine the moon - China(2017), India, USA(NASA, 2030), Russia, and others.

My project will explain all of these aspects and what impacts this will have. It will also contain what might mining the moon cause and different ideas to better generate everything. In my project I want to expand the horizons of this topic and I want to look farther outward. In space there are 8 planets, and on those planets are many moons. Jupiter has 63 known moons, even though it is farther from the sun, it would have been collecting for billions of years on each moon. Of course all of this would take advanced technology that can be obtained with the use of Helium -3. That is why the first step is to, instead of creating a permanent mining base on the moon, creating a temporary base and then expanding farther out in space with new technology. I will further this idea within my project and present some present results to explain how everything works. Thank you