MIND

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Friday, October 15, 2021

International Nasa Observe the Moon night 2021: sharing of strange things and knowledges around the world.

The full blue moon in Aquarius on August 22.

Sky sample.

The second Full Moon in Aquarius this year (the first on July 24, 2021)

On this August full moon, the Sun placed in the sign of Leo and the Moon heading for Aquarius form an opposition, they were on either side of the earth.

Moon shape and cosmic particles interacts.Summer 2021

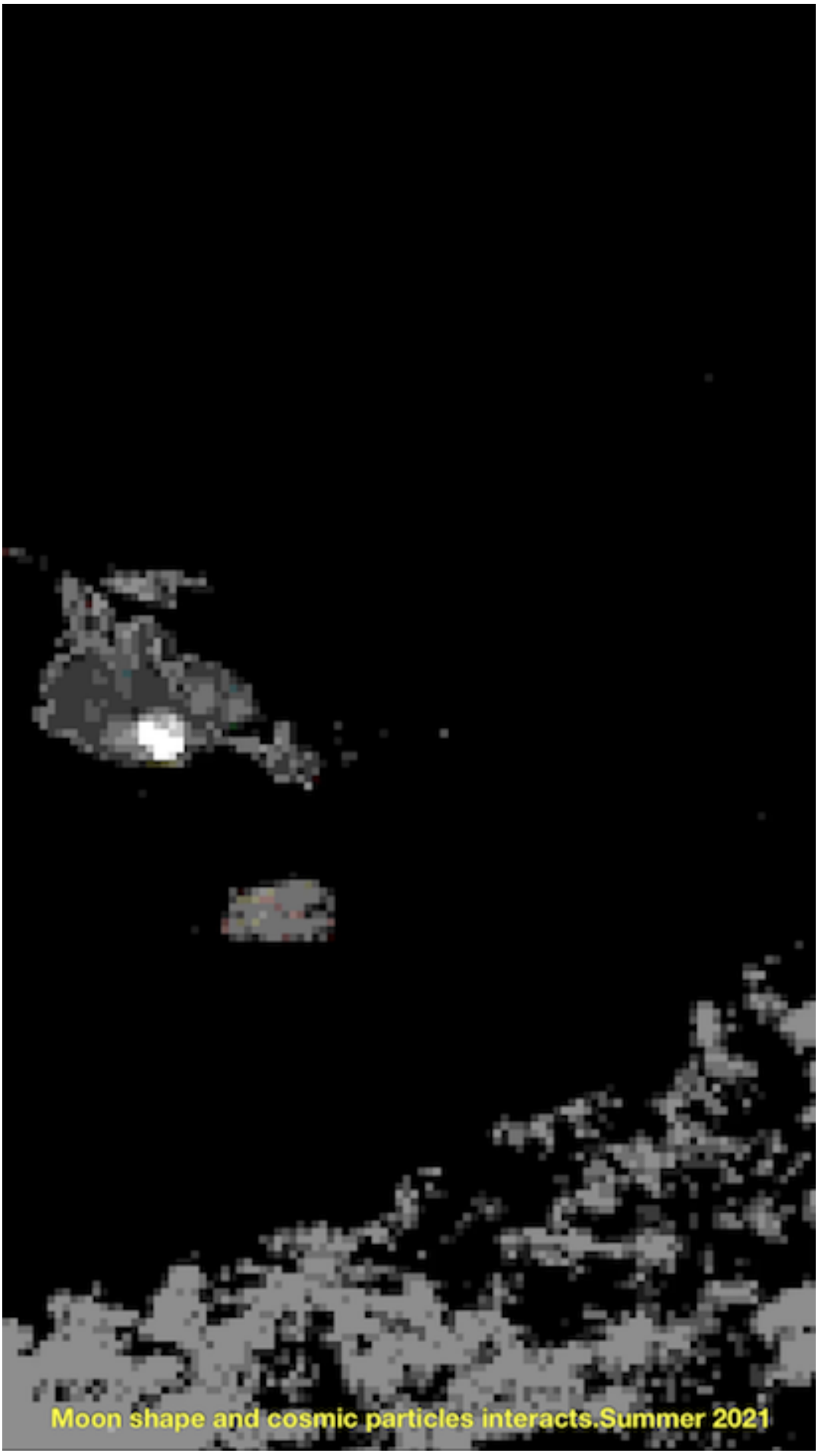
Cosmic radiation is the flow of atomic nuclei and high energy (i.e. relativistic) particles that circulate in the interstellar medium. Cosmic radiation is mainly made up of charged particles: protons (88%), helium nuclei (9%), antiprotons, electrons, positrons and neutral particles (gamma rays, neutrinos and neutrons).

The source of this radiation is located in the Sun, inside or outside our galaxy.

Some of the astroparticles that make up cosmic radiation have an energy that exceeds 1020 eV and is not explained by any identified physical process.

The radiation spectrum is the function relating the incident flux of particles to their energy.

This spectrum is clearly "non-thermal", that is to say that it does not result from the emission of a body at a given temperature (black body spectrum)


Moon shape and cosmic particles interacts.Summer 2021

Effect on cloud formation.

Cosmic rays have an effect on the formation of certain clouds, by the formation of new aerosols (tiny particles suspended in the air, which form the germ of cloud droplets)

Cosmic rays act on organic vapors from trees (biogens), and increase the rate of aerosol production by a factor of 10 to 10021.

The CLOUD experiment at CERN is currently studying the effects of cosmic rays on cloud formation.

This radiation represents 15% of natural radioactivity.

Images enlargeable or vids by clicking the title.

Resources

nasa.gov/feature/goddard/2019/moon-glows-brighter-than-sun-in-images-from-nasas-fermi

home.cern/fr/science/experiments/cloud

#observethemoon

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