

49th STUDENT CONFERENCE (E2)
Student Conference - Part 1 (1)

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A FOREST ON MARS

Abstract

Astronauts travelling to the Moon and Mars will be subject to damage caused by up to 700 times more radiation than on Earth, the health risks surrounding these levels of radiation span anything from nausea to organ failure and severe cardiovascular problems. On earth, the level of radiation is significantly smaller due to the effectiveness of the magnetosphere surrounding the earth. The creation of a much smaller magnetosphere that can imitate the Earths and can also act as a type of Faraday cage that can absorb the energy from the radiation would help in the colonization of Mars. The small magnetosphere base would protect life inside to a certain extent that plants would be able to thrive to form an atmosphere. In relation to radiation, clay and certain plants have been said to absorb radiation. Clay minerals are hydrous aluminium phyllosilicates that can be found on some planetary surfaces, given that Mars is once said to be another Earth, these clay minerals may be the key to creating a magnetosphere on the planets surface. What If the best way to colonize Mars would be to follow the natural order of things, by allowing plants to colonize the red planet first.