

49th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE (SETI) –
The Next Steps (A4)
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WHAT ETI CAN DO? EXTREME WAYS OF SAYING 'HELLO'

Abstract

Our conventional SETI endeavours have focused for detecting artificial signs of communication techniques that are in use in our present state of technical culture. These include the use of electromagnetic waves, i.e. radio, laser, and visible light techniques. What would be the most extreme (on a planetary scale) ways of showing ones existence over the vast distaces and hiding structures (i.e. interstellar clouds etc.)? Could ETI use e.g. neutrino transmission, or high energy peaks to overcome the difficulties the conventional techniques have? This paper will review some of the extreme, but feasible channels that could be incorporate into SETI from advanced particle and astrophysics.