

# Cosmic rays and neutrinos from supernova remnants

*Friday 22 June 2007 12:00 (25 minutes)*

“The time when Ginzburg and Syrovatsky met HESS and what they told”.

The VHE gamma ray observations of H.E.S.S. permit direct tests of the hypothesis of Ginzburg and Syrovatskii, that galactic cosmic rays are accelerated in supernova remnants. We discuss how it is possible to use these VHE gamma ray data to deduce the flux of cosmic rays with the minimum theoretical bias (the inverse problem), and the tight relation with the VHE neutrinos from supernova remnants, one of the main targets of the under-water/under-ice neutrino telescopes.

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