



*„Cosmic Mirror“ sculpture in the KASCADE array  
with detector houses in the background  
ca. 95 by 30cm  
picture: KIT*

## Cosmic Revelation

As a collaboration by the KASCADE experiment and Tim Otto Roth Cosmic Revelation is a minimalist light art project and a scientific experiment as well. In a field of 16 flashing mirror sculptures connected to the KASCADE detector field at Karlsruhe Institute of Technology (Germany) the impact of high energetic cosmic rays on earth can be bodily experienced. One or two times per seconds the cosmic energies reveal its existence in bright flashy moments triggering the high power strobe units of 1500 Watts mounted in these „Cosmic Mirrors“.

Cosmic Revelation is presented in remote places - as at DESY Zeuthen in winter 2010 - or directly in the detector field. On 30 March 2009 Cosmic Revelation changed the array of the KASCADE experiment with its 252 gauging stations into a giant light field of 44.000 sqm. As a new kind of land art the flashing field not only refers to the physical processes in matter, but hints also at the protecting and moderating qualities of the atmosphere as basic condition to create on earth a biosphere.

*Here, by contrast, we stand as witnesses to the chaotic drumbeats of cosmic radiation. The new music is that of quantum mechanics and complexity - probabilistic rather than deterministic. A new art is encoding a new science.* Martin Kemp in NATURE|Vol 458|16 April 2009

[www.imachination.net/cosmicrevelation](http://www.imachination.net/cosmicrevelation)

*a line of four Cosmic Mirrors in the KASCADE field>  
picture: Markus Breig, KIT*