HERTZ LECTURE.

DESY Lecture on Physics 2019

Probing the Edges of the Universe:

Black Holes, Horizons and Strings

Prof. Dr. Andrew Strominger
(Harvard University)

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18:00 h, DESY Auditorium

Notkestraße 85 | 22607 Hamburg | Germany

http://www.desy.de/hertz

The visible universe has edges, known as horizons, which surround black holes and other inaccessible spacetime regions. They are governed by a universal but still-mysterious set of laws discovered a half century ago by Stephen Hawking. These laws tell us that black holes are paradoxically both the simplest and most complex objects into the universe.
The resolution of this paradox is a central goal of modern physics. Compelling progress in and future prospects for our understanding of black holes both from string theory and from the recent Event Horizon Telescope image will be described.

Heinrich Hertz
1857 Hamburg-Karlsruhe-Bonn 1894

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