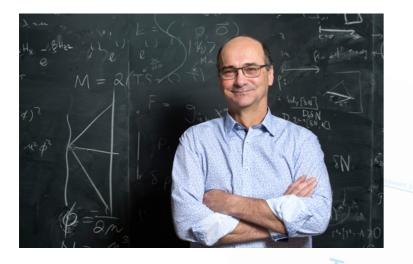
HERTZ LECTURE.

DESY Lecture on Physics 2023

Why We Explore

Prof. Dr. Robert Myers



Thursday, September 28, 17:30 h DESY main auditorium https://webcast.desy.de

Cosmic F- and D-strings

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Dielectric-branes

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extend the usual world-volume action for a D_{P-br} t Dp-branes where the world-volume theory involv

Humanity faces real and present problems. Our resources to address these problems are limited. It's easy to think, then, that we should devote ourselves to our most promising solutions.

It's easy, but it's wrong.

The great paradox of scientific research is that pure exploration research into deep questions motivated by pure curiosity, without concern for applications - is ultimately what transforms our lives in tangible, practical ways.

In this talk, I will speak not just as a physicist interested in Towards a der puzzles of quantum entanglement and five-dimensional black holes, but as the director of an institute devoted to fundamental glement research. I make the case for blue-sky research, and for Black Holes in Higher Dimensional Space-Times optimism about our shared future. Horacio Casini,¹ Marina Huerta¹ and Robe

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ABSTRACT: We provide a derivation of hol **Deutsches Elektronen-Synchrotron DESY** A Research Centre of the Helmholtz Association



Heinrich Hertz 1857 Hamburg-Karlsruhe-Bonn 1894

Joseph Henry Laboratories, Princeton University, Princeton, New Jersey 08544 Black hole solutions to Einstein's equations are examined in asymptotically flat N+1. Draw note solutions to cluster is equations are examined in asymptotically nar N + 1dimensional space-times. First generalizations of Schwarzschild and Reissner-Nordstrøm solutions are examined in a discussion of static black balax in N + 1 dimensions. Then a part Solutions are examined in a discussion of static black holes in N + 1 dimensions. Then a new there is found which describe on the basis basis in the basis is found which describe on the basis basis basis basis basis and the basis b formity of solutions is found which describe spinning black holes in higher dimensional spacewhich describe spinning black notes in inglier dimensional space $N \ge 3$. One exceptional case though is that for $N \ge 5$, black

