



BREAKTHROUGH PRIZE | FUNDAMENTAL PHYSICS

THE 2025 BREAKTHROUGH PRIZE IN FUNDAMENTAL PHYSICS IS AWARDED TO

Aodhan Tomas Burke

AND COLLEAGUES IN THE LHCb COLLABORATION AT THE LARGE HADRON COLLIDER AT CERN

For detailed measurements of Higgs boson properties confirming the symmetry-breaking mechanism of mass generation, the discovery of new strongly interacting particles, the study of rare processes and matter-antimatter asymmetry, and the exploration of nature at the shortest distances and most extreme conditions at CERN's Large Hadron Collider.

APRIL 5, 2025

Pete
Worden
Chairman
Breakthrough Prize Foundation