

Hunting the Edge of Space

2 X 53 HD



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Hunting the Edge of Space takes viewers on a global adventure of discovery, dramatizing the innovations in technology and the achievements in science that have marked the rich history of the telescope. Now, a new generation of ever-larger telescopes is poised to reveal answers to longstanding questions about our universe—and, in turn, to raise new questions.

Hunting the Edge of Space: The Mystery of the Milky Way: Three centuries of engineering have produced telescopes far beyond Galileo's simple spyglass. Perched on mountaintops, orbiting the Earth, and even circling other planets, these telescopes are revealing the solar system in detail Galileo could only dream of. *The Mystery of the Milky Way* brings viewers up close with today's most powerful telescopes and embarks on a stunning journey to the planets and moons now being seen as never before.

Hunting the Edge of Space: The Ever Expanding Universe: From the discovery that the Milky Way is just one galaxy among billions, to the stunning revelation that these galaxies are speeding away from each other faster every second, *The Ever Expanding Universe* investigates the universe's distant past—and its future. Now, modern telescopes have added a mysterious new twist to the plot. The vast majority of the stuff of the universe is invisible, tied up in dark matter and dark energy. But what are these mysterious dark forces? A new generation of telescopes is embarking on a mission impossible to see the unseeable, and answer one of the greatest unsolved mysteries of the cosmos.

In this film, viewers are introduced to Nobel Prize-winner Arno Penzias, who, with Robert Wilson, discovered the echo of the Big Bang with one of the first radio telescopes; as well as Alex Filippenko, one of the astronomers on the team that used the gigantic Keck Telescope in Hawaii to capture distant supernovae and unveil the existence of Dark Energy, the most mysterious force in the universe.

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NOVA

CREDITS

Directors: Oliver Twinch & Peter Jones

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