



The multiverse: was human existence inevitable?

Transcript: Video clip from *Human Universe*, episode two.

PROF BRIAN COX:

The reason that we appear to live in a perfect universe with the perfect numbers, the perfect constants of nature, the perfect laws, is because there are in fact countless millions, perhaps an infinite number, of universes - each with different physical laws, different numbers, different constants of nature.

Then we shouldn't be so surprised to live in the perfect universe. It's like the lottery - somebody's got to get the right ticket, somebody's got to win it.

Just as the lottery has many tickets, each bearing different numbers, so there may be many universes, each with different values for the constants of nature. Universes with stronger or weaker gravity, slower light or faster light.