

OLBERS PARADOX

First argument in support of a finite Universe

ELECTROWEAK UNIFICATION

$SU(2) \times U(1)$

INFLATION

Model for a flat, homogeneous Universe

BIG BANG

The primeval atom hypothesis takes shape

DARK MATTER

Missing mass in galaxies

ANISOTROPIC CMB

Primordial fluctuations prove to be the most accurate and comprehensive cosmological probe

1610

1917

1931

1948

1961

1965

1970

1973

1980

1982

1990

2013

NUCLEOSYNTHESIS

Thermodynamics of an expanding Universe

STANDARD MODEL

QCD fills the last huge gap

HIGGS BOSON

Last piece of the electroweak symmetry breaking

EXPANDING UNIVERSE

Model incorporating a cosmological constant

UNIFORM CMB

The relic of the primordial Universe is detected

COLD DARK MATTER

Structure formation models fit observations