

PPARC successes

The past decade has seen some remarkable triumphs in particle physics, astronomy and space science, in which the UK has played a large part

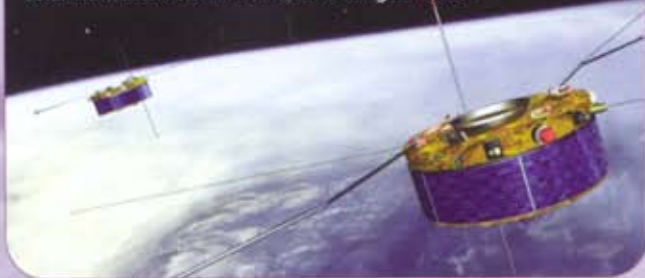


ESA's SOHO mission to study the Sun has been an outstanding success and was still going 10 years later



CERN's Large Electron-Positron collider confirmed the Standard Model of Particle Physics

After an initial setback when the first mission exploded on launch, the Cluster suite of spacecraft is now successfully studying how the solar wind interacts with the Earth's magnetic field



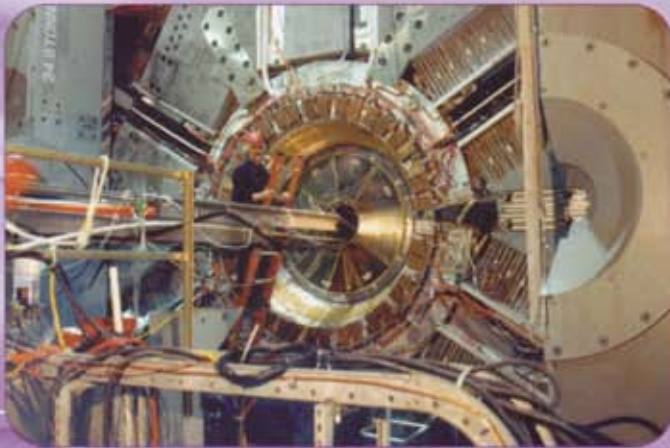
The Mars Express mission is producing remarkable images of the Martian surface



UK researchers were elated when the Huygens lander of the joint NASA/ESA Cassini-Huygens mission revealed the surface of Saturn's moon Titan for the first time

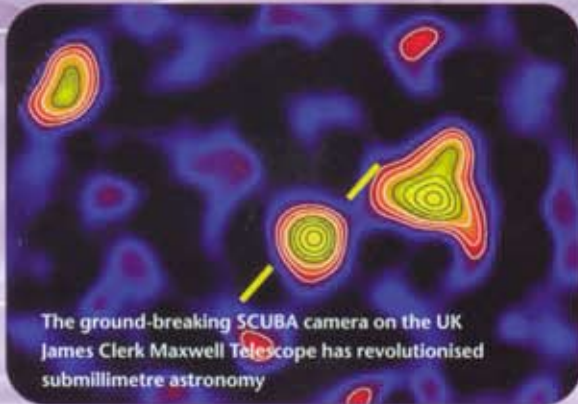


The UK has played a major part in building CERN's next big particle physics project, the Large Hadron Collider



The BaBar experiment in California has successfully uncovered the differences between matter and antimatter

The Sudbury Neutrino Observatory in Canada confirmed the existence of neutrino oscillations which the new MINOS neutrino experiment at Fermilab is exploring further



The ground-breaking SCUBA camera on the UK James Clerk Maxwell Telescope has revolutionised submillimetre astronomy



The Two Degree Field system (ZdF) on the Anglo-Australian Telescope played a major roll in confirming the existence of dark energy



Joining ESO has ensured the future of UK observational astronomy



The UK's input into developing new accelerators has been revitalised through the setting up of two new institutes for accelerator science



The UK carries out world-leading work on gravitational-wave detectors