

MIRION MISSIONS IN THE MILKY WAY

ACE | 1997
Rectangular segmented PIPS detector on the SEPICA instrument. Mission to sample low-energy solar particles and high-energy galactic particles.

BEPICOLOMBO | 2018
Telescope of 5 circular PIPS detectors of different sizes on the BERM probe. Europe's first mission to Mercury.

MESSENGER | 2015
Square pixelated PIPS detector. Mission to understand Mercury, least-explored of the terrestrial planets.

CHANG'E-4 | 2019
Rectangular segmented PIPS detectors. First lander on the far side of the moon.

EQUATOR-S | 1997
Circular PIPS detectors. Mission designed to study Earth's magnetic environment above the equator.

DOUBLE STAR | 2004
Rectangular PIPS detectors. Double satellite mission to study the effects of the Sun on Earth's environment.

MARS CURIOSITY | 2012
Pixel PIPS detector coupled to scintillators on the RAD instrument. Mission to explore and quantitatively assess the surface of Mars.

JUNO | 2016
Rectangular pixel PIPS detector. Mission to reveal the origin and evolution of Jupiter.

SOLAR ORBITER
EPT & HET – circular pixel PIPS detectors on the EPD probe. Segmented PIPS detector (annular segment) on the SWA instrument. Not yet launched. Mission to explore the inner heliosphere and the effects of solar activity on it.

SOHO | 1995
Several circular, square and rectangular PIPS detectors on the ERNE instrument. Space-based observatory for viewing and investigating the Sun from its core, through its atmosphere, out to a distance ten times beyond the Earth's orbit.

STEREO | 2008
Trapezoidal segmented PIPS detector on plastic instrument. Mission to study the Sun and the nature of its coronal mass ejections (CMEs).

MMS SPACECRAFT | 2015
Rectangular pixel PIPS detector. Investigates how the Sun's and Earth's magnetic fields connect and disconnect.



PAMELA | 2016
Square segmented PIPS detector. First satellite-based experiment dedicated to the detection of cosmic rays.

VAN ALLEN PROBES | 2012
Rectangular pixel PIPS detector. Mission to explore the Van Allen Radiation Belts.

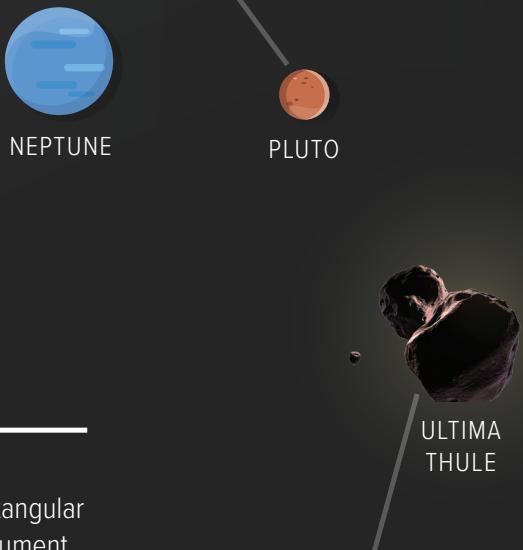
PROBA-V SATELLITE | 2013
Segmented PIPS telescope detector on the EPT instrument. Mission to survey space radiation levels.

MARS ODYSSEY | 2001
On board spacecraft, Gamma-ray Spectrometer (1.2 kg) HPGe detector. Mission to study elemental composition and radiation on Mars.

MARS EXPRESS | 2003
Several circular, square and rectangular PIPS detectors on the Aspera instrument. Mission to characterize, photograph, and map the surface of Mars.

CASSINI | 2017
Several circular, square and rectangular PIPS detectors on the MIMI instrument. Mission to explore the wonders of Saturn and its family of icy moons.

NEW HORIZONS | 2015
Rectangular pixel PIPS detector on the PEPSSI instrument. Mission to take precise measurements on Pluto.



NEW HORIZONS | 2019
Rectangular pixel PIPS detector on the PEPSSI instrument. Most distant object ever explored.

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