

Cambridge Physics Centre presents:

Gaia: one billion pixels, one billion stars, one amazing satellite

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How big is the Milky Way? How old is it? What does it weigh? When and how did it form? What shape is it? Where are the stars? How fast do they move? These are just some of the questions to be answered for the first time by measurements from the satellite Gaia.

Gaia will provide the first 6-Dimensional census of the Milky Way using a billion-pixel video camera, the largest ever launched. It will determine the basic astrophysical properties for one billion stars, it will test General Relativity, and it will provide the first robust distance scale in cosmology.

<https://gaia.ac.uk>

6pm on Thursday 16th March 2017

Pippard Lecture Theatre, Cavendish
Laboratory,

J J Thomson Avenue, Cambridge

Directions at

<http://outreach.phy.cam.ac.uk/programme/cpc/cpcdirections>

No need to book, just turn up



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