

Cambridge Physics Centre presents:

Physics of Superheroes

by Professor Alan Davies

University of Hertfordshire

Sponsored by:

Cavendish
Laboratory

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Everyone is familiar with at least one superhero. This lecture presents a wide variety of different superheroes and shows how their 'unbelievable' powers have a basis supported by the laws of physics. The only concession is to assume that superheroes have these powers; their origin will not be explained. Prof Davies will use Newton's law of gravitation, quantum mechanics and diamagnetism to answer questions such as "how strong is the gravity on Krypton?", "where does Magneto get his levitation from?", and "how can some of them walk through walls?" Most of your favourites will be there, covering all areas of physics.

6pm on Tuesday 13th December 2016
Pippard Lecture Theatre, Cavendish Laboratory,
J J Thomson Avenue, Cambridge

[http://outreach.phy.cam.ac.uk
/programme/cpc/cpcdirections](http://outreach.phy.cam.ac.uk/programme/cpc/cpcdirections)

No need to book, just turn up

