

Colloquium Notice

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String theory versus the real world

Even though string theory is a leading candidate for a theory of everything, it has the rather embarrassing requirement that there are nine dimensions of space. In order for this not to conflict with the fact that we observe only three dimensions of space, six of the dimensions must somehow remain hidden. I will provide a non-technical overview of three different ways of hiding these extra dimensions. This has led to the possibility of unifying all forces within a geometrical framework, new methods for computing quantities in nuclear physics as well as condensed matter systems, and concrete predictions that could potentially falsify certain aspects of string theory.

Monday

February 6, 2012

Starts at 12:15 PM

Coffee at 12:00 PM

Physics Conference Room, SB B326