



Physics Colloquium



Thursday, March 26th at 3:40PM in SC 234

Featuring:

Dame Jocelyn Bell Burnell

University of Oxford

“Pulsars and tests of Einstein’s General Relativity”

Pulsars, or pulsating radio sources, typically have magnetic fields $B \sim 10^8$ Tesla, density $\sim 10^{15}$ g/cc and $v \sim c$ (all at the same time) and spin rapidly ($P \sim 10^{-3}$ to 10 s) so they exhibit some extreme physics. They also are remarkably accurate 'clocks' so nature now allows us to use them to test some aspects of General Relativity. In this talk I will introduce pulsars and describe how they are being used to check GR.

Refreshments at 3:00PM in SC 103