

Plenarvorträge (PV)

Plenarvortrag PV XI Do 18:00 HSZ-03
Pulsars and extreme physics — ●JOCELYN BELL BURNELL — Uni-
versity Oxford — Lise-Meitner-Lecture
Pulsars were discovered some 40 years ago. What do we know about
them now and what have they taught us about the extremes of physics?

With an average density comparable to that of the nucleus, magnetic
fields of around 100 000 000 T and speeds close to c, they have stretched
our understanding of the behavior of matter. They serve as extremely
accurate clocks with which to carry out precision experiments in rel-
ativity. Pulsar research continues to deliver exciting, startling and al-
most unbelievable results.