

The distribution of magnetic fields, ages and spin periods of millisecond pulsars

B. Kiziltan¹, S.Thorsett¹

¹U. of California, Santa Cruz

ABSTRACT: The origin of the bimodal distribution of magnetic fields of Millisecond Pulsars (MSPs) has been a subject of debate for more than 14 yrs. We show that the effect of secular acceleration to the observed spin down rate of some of the nearby PSRs is significant. We will review the latest age and magnetic field distribution of MSPs and discuss the ramifications on the initial spin periods, evolution and the accretion history of MSPs.