

COMPARISON OF THE MODELS PROPOSED TO EXPLAIN ANOMALOUS X-RAY PULSARS & SOFT GAMMA REPEATERS - EFE YAZGAN

- $P \sim 5-12$ seconds
 - $\dot{P} \sim 10^{-11} - 10^{-13}$ s/s
 - $L_x \sim 10^{34-35}$ erg/s
 - $\tau \sim 10^4$ years
- } A VERY NARROW RANGE FOR PULSARS
- NO COMPANION
 - NO OPTICAL OR RADIO COUNTERPART
 - 3 AXPs & 1 SGR ARE CONNECTED TO SNRS.
 - SGRs HAVE REPEATING BURSTS IN SOFT GAMMA RAY BAND
 - AXP 1E2259+586 BECAME SGR 1E2259+586

TWO PATHS

ACCRETION FROM A FALL-BACK DISK

MAGNETAR

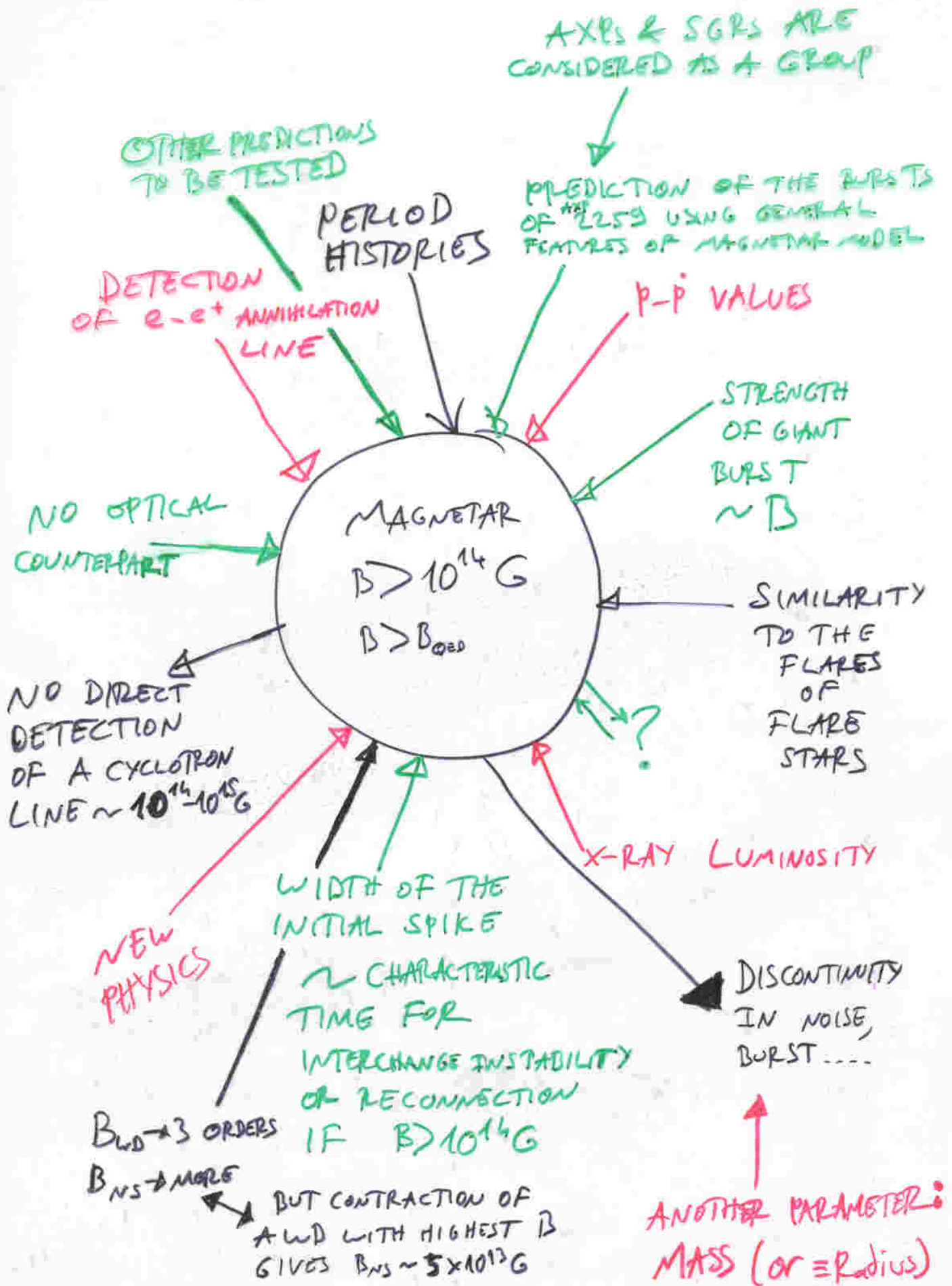
(Thompson & Duncan 1992-1995)

(Alpar 1999, Rossi 2000 conf. p. 77 - Alpar 2001, ApJ, 554, 1245)

(Alpar, Anky & Yazgan 2001, ApJ Letters, 557, 61)



(Tagliera, Yung & Anay 2002) \rightarrow astro-ph / 0201068



(Guseinov, Yargun, Ankey & Tajima 2002) \rightarrow astro-ph/0206330