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Some aspects of evolution and mass transfer in X-ray binaries

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traagd door de zwakke sterrewind van hun hoofdreeks begeleiders. In dat geval kan de elektromagnetische interactie tussen het invallende sterrewind plasma en de magnetosfeer van de pulsar (Kundt 1976) het bestaan van de zogenaamde langzame röntgen pulsars (met puls-perioden van $10^2 - 10^3$ sekonden) verklaren. Naderhand kunnen deze langzame röntgen pulsars dan weer versneld worden tot puls-perioden rond 1 seconde, indien hun begeleiders hun Roche lobben overschrijden.

Hoofdstuk IV is een overzichtartikel dat recente vorderingen op het gebied van röntgendubbelster evolutie beschrijft.

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