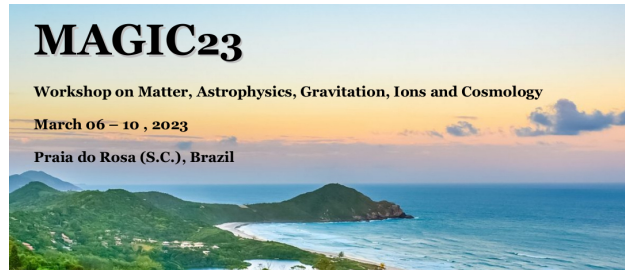


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On the overall properties of young pulsars

The spin evolution of Rotation-Powered Pulsars is well known and used to estimate ages and surface magnetic fields of old pulsars. Due the energy loss by radiation allows the pulsar to undergo a systematic spin-down from an initial spin period, then, the deceleration of the pulsar is given by an empirical formula obtained by balancing the spin-down luminosity with the energy loss by radiation (a dipole magnetic field, for instance). In the present work, we study the effects of magnetic field growth models on the spin-down properties of young pulsars. Such magnetic field evolution is not a new idea but the evolutionary implications have not been followed up completely.

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