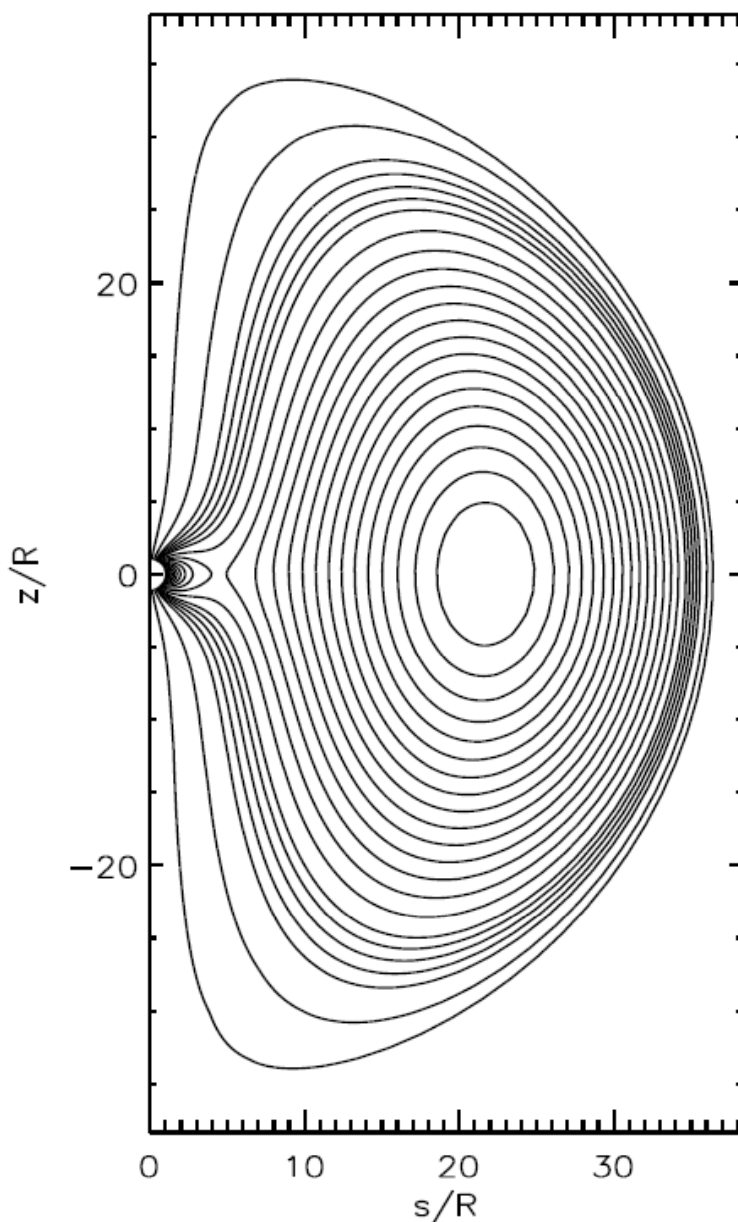




HIGHLIGHTS: this week in A&A

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In section 10. Planets and planetary systems

"Stellar coronal magnetic fields and star-planet interaction", by A.F. Lanza, [A&A 505](#), p.339

The work investigates magnetic interactions between a star and close-in planet. It proposes that the presence of a close-in planet increases helicity dissipation and triggers additional releases of magnetic energy within the stellar magnetic field. This would explain why stars with a close-in planet appear to emit more X rays. The model goes on to predict the existence of prominence-like structures caused by evaporation from the planet. This should be observable simultaneously in the optical and as X-ray and radio emission.