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Cosmic Ray Modulation during the Maunder minimum epoch

Abstract content

The Maunder minimum (1745-1715) is a special period of extremely quiet Sun with almost vanishing sunspots. On the other hand it is known from measurements of cosmogenic isotope ^{14}C in tree-rings that cosmic rays were cyclicly modulated during that period, but with the dominant 22-year period. Using a numerical model including the drift effect of the wavy heliospheric current sheet we simulate cosmic ray modulation for the Maunder minimum conditions.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

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