XXV European Cosmic Ray Symposium



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SNRs W28 and W44: old cosmic ray accelerators in molecular clouds

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Nonlinear model of diffusive shock acceleration is used for investigation of the particle acceleration in old supernova remnants W28 and W44.

We modeled the hydrodynamical evolution of the remnats, shock modification and streaming instability produced by accelerated particles. Comparison with avalable radio and gamma-ray data is given.

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