



Particle acceleration by magnetic reconnection in coronal arcade

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We use a combination of MHD and test-particle approaches in order to consider particle acceleration consistently with a time-dependent model of reconnection in a flaring coronal arcade triggered by an external perturbation. It is shown that this reconnection model produces several populations of high-energy particles with different phase space distributions. We discuss the role of different mechanisms on particle acceleration in this model and possible observational implications.