

# **Radio fine structures with super-high temporal resolution and solar activities**

**S.J. Wang** et al.

National Astronomical Observatories of China

Numerous solar radio fine structures in super-high temporal resolution of 1.25 ms have been detected by spectrometers at Huairou, Beijing in the range of 1.10-1.34 GHz since October 2004. They would reflect energetic particle process in more short time scale in the low corona. For the selected events we report here the observational characteristics of those fine structures in detail. We discuss the relevant magnetic field strength at the emission source region. Also we present the initial results of analysis of the relationship between those fine structures, solar flares and coronal mass ejection.