

# **The Injection Profile of The 2000 July 14 Ground Level Event**

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On 2000 July 14, a large solar event occurred (also known as the Bastille Day event). During the event, ground level event was recorded by neutron monitors. By use of the numerical model developed by Ruffolo et al. 1998, we determined the injection profile of solar energetic particles at the solar source. We find the radial mean free path is 0.18Au and the injection began at 10:14UT, about 14 minutes before the first arrival of particles at the earth, in close association with the radio II burst observation.