

COMPARISON OF 20.02.94 AND 14.04.94 SEP. POSSIBLE SOURCES.

S.N. Kuznetsov (1), I.N. Myagkova (1), A.N. Podorolsky (1), B.Yu.Yushkov (1), N. Hasebe (2), M.N. Kobayashi (2).

(1) Skobeltsyn Institute of Nuclear Physics, MSU, Moscow, Russia

(2) Advanced Research Institute for Science and Engineering, Waseda University

Two SEP 20.02.94 and 14.04.94 were analyzed. 20.02.94 SEP was connected with the solar flare. Solar radioemission showed, that the shock wave with velocity ~2000km/s was observed. 14.04.94 SEP was not connected with big phenomena in Sun. Possibly this SEP connected with CME generated in high solar corona. We analyzed these SEP using data of GEOTAIL, CORONAS-I, GOES, LANL and IMP-8. We also used geomagnetic data and solar wind data. GEOTAIL, GOES-7 and LANL data permits to analyze particles accelerated near sun by a shock wave and in space. We compare characteristics of shock waves and accelerated particles for both SEP.