

Plasma probing by electron gun operation onboard of interhelio-probe mission

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The programme of active experiments with electron beams injection at Solar corona plasma (INTERHELIOS project) is presented and discussed. Based on APEX mission data it is shown that by appropriate choice of beam parameters it is possible to measure the plasma density and magnetic field at some distance from spacecraft. The distant plasma probing by means of energetic electron beam injection is proposed as independent method of plasma diagnostic in INTERHELIOS mission. The possibilities to model the generation of different types of Solar radiobursts which are observed during active events on the Sun are also discussed.