SUPERRADIATION OF MAGNETIZED ELECTRONS AND THE POWER OF DECAMETER RADIATION OF THE JUPITER—IO SYSTEM

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S u m m a r y

The effect of superradiation of the inverted electrons in the magnetic field on high Landau levels, described in [1], is applied to interpret the main features of the superpower decameter radiation of the system Jupiter—Io. The theory describes the observed data on the superpower radiation on the quantitative level.