

Expanding Outward Moving Radio Loops as a CME Associated Phenomenon

DALMIRO MAIA

CICGE, Fac Ciencias Univ Porto

Radio observations in the dm to m domain have recently revealed a particular kind of type IV radio emission, the outward moving, expanding radio loop phenomenon. The observed emission is due to synchrotron radiation from ~ 1 MeV electrons inside expanding CME loops. We present an overview of observed events, show the good temporal and spatial relation with CMEs observed in white light, and illustrate the potential of these observations to infer the properties of CMEs, in particular magnetic field intensity estimates at heights of a few solar radii.