

Study of energy correspondence between bottom ionosphere and earthquake focus for seismogenic EM emission.

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In Dec.19,1997 at 22:09JST,an earthquake ($M=4.6,D=10\text{km}$) were occurred at the sea bottom of northern off-shore of Fukui and Ishikawa prefecture. Prior to this main shock,a VLF sensor of Awara obsevatory received the cross-talk signals of MF broadcasting stations of Kanazawa area which located about 100km north of observation point.We succeeded the theoretical analysis to explain using a similar theory of the Luxembourg effect.The strong quick polarization fading phenomena appeared at major earthquakes of August and November of 1999 in Turkey.