Search for Charged Higgs Bosons using the OPAL Detector at LEP2

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OPAL data collected at LEP2 energies of $\sqrt{s} = 189$ to 209 GeV, corresponding to a total integrated luminosity of 615 pb^{-1} were analysed for possible signals of charged Higgs bosons predicted by two-Higgs doublet extensions of the Standard Model. The charged Higgs bosons were assumed to be pair-produced in electron-positron collisions and to decay into two quarks, two tau-leptons or AW^*. No signal has been observed, and mass and branching ratio limits were calculated assuming the qq and $\tau\nu$ channels only, and also assuming all channels.