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## Search for neutral Higgs bosons decaying into four taus at LEP

A search for the production and non-standard decay of a Higgs boson, h, into four taus through intermediate pseudoscalars, a, is conducted on 683 pb–1 of data collected by the ALEPH experiment, at centre-of-mass energies from 183 to 209 GeV. No excess of events above background is observed, and exclusion limits are placed on the combined production cross section times branching ratio,  $\xi^2 = \sigma(e+e-\to Zh)/\sigma_SM(e+e-\to Zh)\times B(h\to aa)\times B(a\to tau+tau-)^2$ . For m\_h < 107 GeV/c^2 and 4 < ma < 10 GeV/c^2,  $\xi^2>1$  is excluded at the 95% confidence level.

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