

GENEALOGY DATABASE ENTRY

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Ellis, Charles Drummond

1895 - 1980

DEGREE: PhD (physics)

DATE: 1924

PLACE: Cambridge

TEACHER/RESEARCH ADVISOR: Chadwick/Rutherford

studied beta particle and gamma-ray emission by radioactive nuclei and established existence of energy levels in the nucleus; obtained key evidence of energy deficit in certain nuclear reactions, which led to Fermi's postulation of the neutrino; first to point out that rest mass of neutrinos is probably zero; measured gamma-ray photoelectron spectra of U, Pb, Pt, W, Ba, and Ra; scientific advisor to Britain's National Coal Board and Gas Council.

1. *Biog. Mem. Fell. Roy. Soc.* **1981**, 27, 199-233.

2. *Dictionary of National Biography*; Smith, Elder & Co.: 1908-1986; (1971-80), p285-286.