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**Notas de Física**

CBPF-NF-010 /84

POINT-COUNTERPOINT IN PHYSICS : THEORETICAL PREDICTION  
AND EXPERIMENTAL DISCOVERY OF ELEMENTARY PARTICLES

by

J. Leite Lopes

RIO DE JANEIRO  
1984

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POINT-COUNTERPOINT IN PHYSICS: THEORETICAL PREDICTION  
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\*Dedicated to C.M.G. Lattes on his 60th birthday.

A report is given on the theoretical prediction and the experimental discovery of elementary particles from the electron to the weak intermediate vector bosons. The work of Lattes, Occhialini and Powell which put in evidence the pions predicted by Yukawa was the starting point of the modern experimental particle physics.

Key-words: Elementary particles; Electron; Photon; Positron; Neutrino; Pion; Meson; Vector bosons.