$$^{238}_{92}U +^{1}_{0}n \longrightarrow^{95}_{39}Y + ? + 2^{1}_{0}n$$
 (1)

(a) ²³⁴₉₀Th decaying by beta decay.

- (b) $^{226}_{88}$ Ra decaying by alpha decay.
- (c) ¹¹⁵₄₉In decaying by alpha decay.

What was Louis de Broglie's main contribution to the quantum theory?