

(250) A

observation of super currents of 2e carriers

(Josephson effect) between two weakly coupled superconductors separated by a barrier (which allows essential for single normal electron tunneling) with a probability

(B)

Single Cooper pain tun neling between members of a pairing rotational band fullfilling

 $\frac{\sigma(g_s(N) \to g_s(N+2))}{\sum_{ext} \sigma(g_s(N) \to D_{ext}^+(N+2))} \gg 1$ with probability

 $P_2 \approx P_1 \quad (\sigma_2 \approx \sigma_1)$

that is, probability for two-particle tunneling about equalthan that for one-particle tunneling.

mdependent pair motion $\begin{array}{c|cccc}
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