

Theoretical Works of G.C. Wick in Neutron Physics of 30-ies

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The name of the Italian theorist Gian Carlo Wick is well-known in the particle physics. However, in the middle of 30-ies, working in the E.Fermi group he published, in Italian and German, the works on the neutron physics which are little known at present by young physicists. This report deals with the results on the thermal neutrons albedo problem obtained by G.C. Wick as well as with his theory of inelastic neutron scattering by the condensed matter. The history of these printed works, their essence and the relevance for the neutron physics will be discussed.

1. G.C.Wick, Sulla diffusione dei neutron lenti, Atti della Reale Accademia Nazionale dei Lincei, Rendiconti XXIII, 774(1936).
2. G.C.Wick, Über die Streuung langsamen Neutronen und Atomgitters, Physikalische Zeitschrift, **38**, 403(1937).