

QUANTUM-MECHANICAL DESCRIPTION
OF THE FERMIONIC DOUBLET AND ITS LINK
WITH THE DIRAC EQUATION

V.M. Simulik, I.Yu. Krivsky

Institute of Electron Physics,
Nat. Acad. of Sci. of Ukraine
(21, *Universytets'ka Str.*, Uzhgorod 88000, Ukraine;
e-mail: vsimulik@gmail.com)

S u m m a r y

A brief review of the different ways of the Dirac equation derivation is given. The foundations of the relativistic canonical quantum mechanics of a fermionic doublet on the basis of the Schrödinger–Foldy equation of motion are formulated. In our approach, the Dirac equation is derived from the Schrödinger–Foldy equation.