

ELEMENTARY PARTICLES IN A NEW
QUANTUM SCHEME. 2

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We continue to develop the theory of fundamental (Lagrangian) particles (beginning in [1]) based on the realistic model of relativistic bi-Hamiltonian dynamics. Two representations of the Heisenberg algebra connected with the hadron and lepton era are considered. Lepton and barolepton fields are found. The explicit form of particle fields and numerical values of their masses are obtained.