

Contribution Title: P, C AND T FOR TRULLY NEUTRAL PARTICLES
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Invited speaker:
YRS seminar: YES

We present a realization of a quantum field theory, envisaged many years ago by Gelfand, Tsetlin, Sokolik and Bilenky. Considering the special case of the $(1/2,0)+(0,1/2)$ field and developing the Majorana construct for neutrino we show that fermion and its antifermion can have the same intrinsic parities. The construct can be applied to explanation of the present situation in neutrino physics. The case of $(1,0)+(0,1)$ field is also considered.