How TGD differs froms standard model?

TGD differs froms standard model in many respects.

1. Classical felds are geometrized (being induced): all of them are expressible in terms of CP_2 coordinates and their gradients implying
   (a) many-sheeted space-time and replacement of superposition of fields with set theoretic union for space-time sheets so that effects of fields superpose instead of fields. This in turn allows to understand GRT and gauge theory limit of TGD.
   (b) sub-manifold gravity with enormous reduction of gravitational and also other field degrees of freedom having far reaching consequencies in cosmology: inflation is replaced with quantum with almost unique critical cosmology and implying that the shape of space-time surface in H codes for physics.
   (c) monopole magnetic fluxes important both in particle physics and cosmology
2. Electroweak symmetry breaking is coded by CP_2 geometry and unbroken symmetries correspond to isometries of $M^4 \times CP_2$ implying that TGD color differs from QCD color: TGD color is orbital momentum like quantum number in turn implying colored excitations of quarks (M_{89} hadron physics) and of leptons (leptohadron physics) and scaled versions of both: might be important in biology.
3. Pointlike particles are replaced with partonic 2-surfaces implying replacement of
   (a) quantum fields with WCW spinor field.
   (b) Higgs mechanism with p-adic thermodynamics.
   (c) particles with string like objects in Compton scale.
4. Other differences are due to the various generalization of the conceptual framework of quantum physics are due to
   (a) p-Adic physics.
   (b) Zero energy ontology implying new view about information (NMP).
   (c) Hierarchy of Planck constants giving rise to dark matter hierarchy Notion of finite measurement resotion (hyperfinite factors of type II_1.