

## **Some Aspects of Higgs Particles in the Compact 341 model (Noureddine Mebarki)**

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Some aspects of the Higgs particle and decay modes at the LHC are studied in the context of the compact 341 model. Moreover, as a byproduct, Baryogenesis is also investigated within this model. The existence of a strong first order electroweak phase transition (EWPT) was shown and Higgs masses regions fulfilling the EWPT criteria are also discussed

### **Summary**