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## ELECTRONIC PHASE TRANSITION IN SmTe UNDER THE EFFECT OF PRESSURE

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### **ABSTRACT**

*A theoretical model is used to calculate electrical parameters such as activation energy, carrier concentration, carrier mobility, electrical conductivity and resistivity of SmTe, under the effect of pressure. The behaviour of these electrical parameters with pressure were analyzed to predict electronic phase transition pressure.*

**Keywords:-** Activation energy, carrier concentration, electrical resistivity and electronic phase transition.

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