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D_0 and B_0 mesons in hot and dense asymmetric non strange medium.

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We calculate the effect of density and temperature of isospin asymmetric non-strange medium on the shift in masses and decay constants of scalar D and B mesons using chiral SU(3) model and QCD sum rule approach. In this work we calculate the values of quark and gluon condensates from the chiral SU(3) model and we use these condensates in the QCD Sum rule framework to calculate the in medium masses and decay constants of scalar D and B mesons. These in medium properties of scalar D and B mesons are helpful to understand the experimental observables of the experiments like CBM and PANDA under FAIR project at GSI, Germany. The results observed in this present work are also compared with the previous results.

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