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PhD Institution and Year : Panjab University, Chandigarh (March 2015)

Date of Joining IISc : 20th October, 2014

Area(s) of Research : Physics beyond standard model

Name of the Post-doctoral Fellowship : DS Kothari Postdoctoral Fellowship (From March 2017 onwards), Research Associate (from October 2014- February 2017)

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Topic(s) of Research : Grand unified theories (GUTs), Supersymmetric models, Flavour GUT models, Top physics, extended Higgs sector models and their collider phenomenology

Research Publications in IISc :

1. C.S.Aulakh, I.Garg and C.K.Khosa, NMSGUT emergence and Trans-Unification RG flows, arXiv:1509.00422 [hep-ph].
2. B.Bhattacharjee, P.Byakti, C.K.Khosa, J.Lahiri and G.Mendiratta, Alternative search strategies for a BSM resonance fitting ATLAS diboson excess, Phys. Rev. D 93, 075015 (2016), arXiv:1511.02797 [hep-ph].
3. C. K. Khosa and P. N. Pandita, Measuring the trilinear neutral Higgs boson couplings in the minimal supersymmetric standard model at e^+e^- colliders in the light of the discovery of a Higgs boson", Int. J. Mod. Phys.A 31, 1650108 (2016), arXiv:1606.02093 [hep-ph].
4. Pritibhajan Byakti, C. K. Khosa, V. Suryanarayana Mummidi, Sudhir K. Vempati, Higgs mass from neutrino-messenger mixing, JHEP 1703, 028 (2017), arXiv: 1607.03447[hep-ph].
- 5.C.K.Khosa and P.N.Pandita, "Measuring the trilinear neutral Higgs boson couplings in the MSSM at e^+e^- colliders," PoS(ICHEP2016)1245, arXiv:1609.08796 [hep-ph].

Other accomplishments and recognition while in IISc : -

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