

BSM physics @ FASERnu from the neutrino nucleon scattering

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FASER ν is a newly approved (working) high-energy neutrino scattering experiment using the neutrino beam from the decays of hadrons downstream from the interaction point of ATLAS and positioned at about 480 m away from the ATLAS detector. We are exploring the features of FASER ν for the Deep-Inelastic Neutrino Nucleon Neutral current scattering. We study the various BSM physics scenarios at FASER ν involving Z' boson and Heavy Neutrino N .

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