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Superconductivity in Bi2Te3 type three dimensional topological compounds induced via pressure CHANGQING JIN, J. ZHU, P.P. KONG, S.J ZHANG, J.L. ZHANG, S.M. FENG, H.M. WENG, Q.Q. LIU, X.C. WANG, J.L. ZHU, X.H. YU, L.X. YANG, R.C. YU, Institute of Physics, Chinese Academy of Sciences, L. WANG, W.G. YANG, HPCAT, Geophysical Laboratory, Carnegie Institute of Washington, S.C. ZHANG, Stanford University, X. DAI, Z. FANG, Institute of Physics, Chinese Academy of Sciences — We report experimental updates on pressure induced superconductivity in Bi_2Te_3 type topological compounds. The topological nature of the superconductivity observed will be discussed in conjunction with on site high pressure structure investigations & first principles calculations. A phase diagram of superconductivity as function of pressure will be provided.

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