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Nematic phase in strain free detwined BaFe2-xNixAs2 HAORAN MAN, Rice Univ, XINGYE LU, None, JUSTIN CHEN, EMILIA MOROSAN, PENGCHENG DAI, Rice Univ, PENGCHENG DAI'S GROUP TEAM — Here I present the transport and neutron scattering results in BaFe2-xNixAs2. The crystal is detwined using pressure and then the pressure is released at base temperature before the experiment. In the detwined sample, the anisotropy persist at a temperature higher than the both structural and magnetic transition, but the temperature range is much lower than the anisotropy induced by pressure.

Haoran Man
Rice Univ

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