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Growth and Characterization of Mn-doped NaFeAs NICKOLAS LUTTRELL, SCOTT CARR, YU SONG, CHENGLIN ZHANG, PENGCHENG DAI, University of Tennessee, UNIVERSITY OF TENNESSEE CONDENSED MATTER PHYSICS TEAM — We grew multiple dopings of Mn-doped NaFe As with the goal of observing a shift in the Tc from the NaFeAs parent compound as well as any structural transitions. A VSM was used to characterize the magnetic response of the samples. Results indicate slight Mn doping does not kill superconductivity immediately. We will make a direct comparison with Mn-doped BaFe2As2.

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