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Quantum critical point and van Hove singularity in $\mathbf{La_{2-x-y}Sr_xNd_yCuO_4}$[1] BEN MALLETT, Victoria University, JEFFERY TALLON, Industrial Research Ltd — By means of Zn substitution, thermopower and magnetic measurements we locate, distinguish and track the evolution of the pseudogap critical point and the van Hove singularity as a function of Nd content and relate these to pressure dependent effects in the Nd-free compound. The results have generic implications for all HTS cuprates.

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Ben Mallett
Victoria University

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