High pressure transport studies on Sb$_2$Te$_3$ and BiSbTe$_3$\textsuperscript{1}

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— Interest regarding the abilities of thermoelectric materials has produced exciting results regarding their properties in the thin-film form [3]. However, little work has been done regarding the pressure tuning of the thermoelectric figure of merit for these materials. Some previous work has suggested that it would be useful to investigate this further using pressure tuning [1],[2]. Based upon this interest, facilities have been developed in our laboratory for the study of the relevant properties under high pressure up to near 20 GPa. Results of this work on Sb$_2$Te$_3$ and BiSbTe$_3$ will be presented here from the use of these facilities. [1]Chen, G., Dresselhaus, M.S., Dresselhaus, G., Fleurial, J.-P., and Caillat, T. Recent developments in thermoelectric materials. International Materials Reviews, 48, 45-66 (2003). [2]Rowe, D.M. *CRC Handbook of Thermoelectric Materials*. CRC Press, 1995. [3]Venkatasubramanian, R., Silvola, E., Colpitts, T., and O’Quinn, B. Thin-film thermoelectric devices with high room-temperature figures of merit. Nature, 413, 597-602, 2001.

\textsuperscript{1}Work at UNLV is supported by DOE EPSCoR-State/National Laboratory Partnership Award DE-FG02-00ER45835 and DOE Cooperative Agreement DE-FC08-98NV1341.