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## **【533】 Electronic structure of encapsulated mono-, bi- and trilayer $T_d$ -MoTe<sub>2</sub>**

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Bulk  $T_d$ -MoTe<sub>2</sub> is a type-II Weyl semimetal and becomes superconducting at a critical temperature of  $T_c = 0.1$ , K. Remarkably, superconductivity becomes far more robust in the 2D-limit, contrary to the trend in ultrathin metal-films. Recent transport measurements reported an increase in  $T_c$  for decreasing thickness, with  $T_c = 7.6$ , K in the monolayer. The reasons for the strong increase in  $T_c$  remains unknown. Here, we present the electronic structure of exfoliated mono-, bi- and trilayer  $T_d$ -MoTe<sub>2</sub> probed by ARPES. The electron pocket of monolayer MoTe<sub>2</sub> shows signatures of strong coupling to optical phonons with  $\lambda \approx 1.5$ . In bi- and trilayer MoTe<sub>2</sub> electron-phonon coupling is weaker consistent with thickness dependence of  $T_c$ .

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