

# TES sensors invented by DOE HEP program

- Original motivation was search for Dark Matter funded by DOE HEP at Stanford + NIST SQUIDs
- Breakthrough in 1995 when Kent Irwin suggested voltage bias negative feedback
- Rapidly implemented in CDMS Dark Matter
- Rapidly implemented in x-ray astrophysics and materials studies at NIST, Goddard and beyond
- Implemented in CMB by Adrian Lee in 1996
- Implemented in IR-optical-UV sensors in 1998
- DOE HEP should take credit for these spin offs