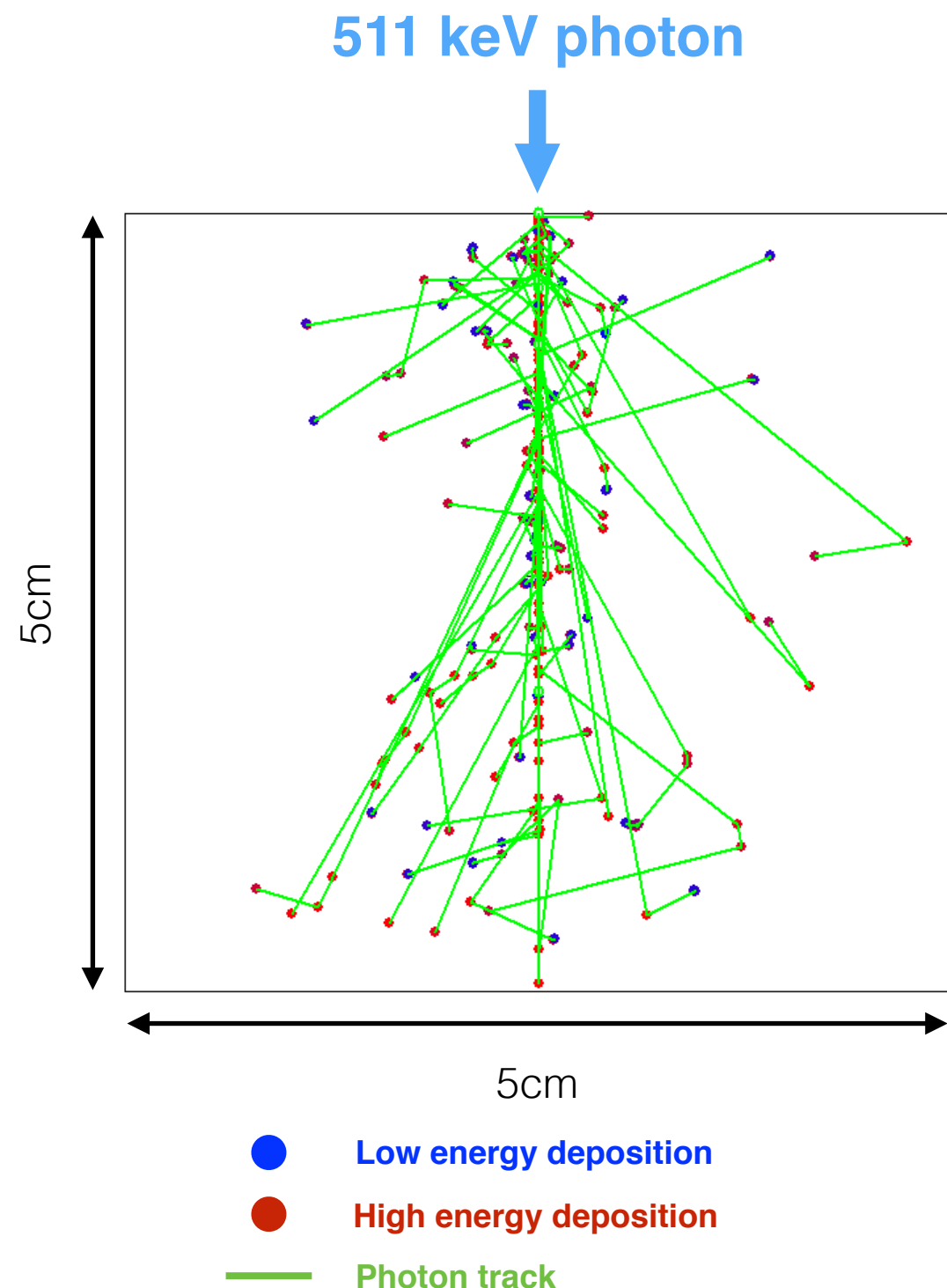


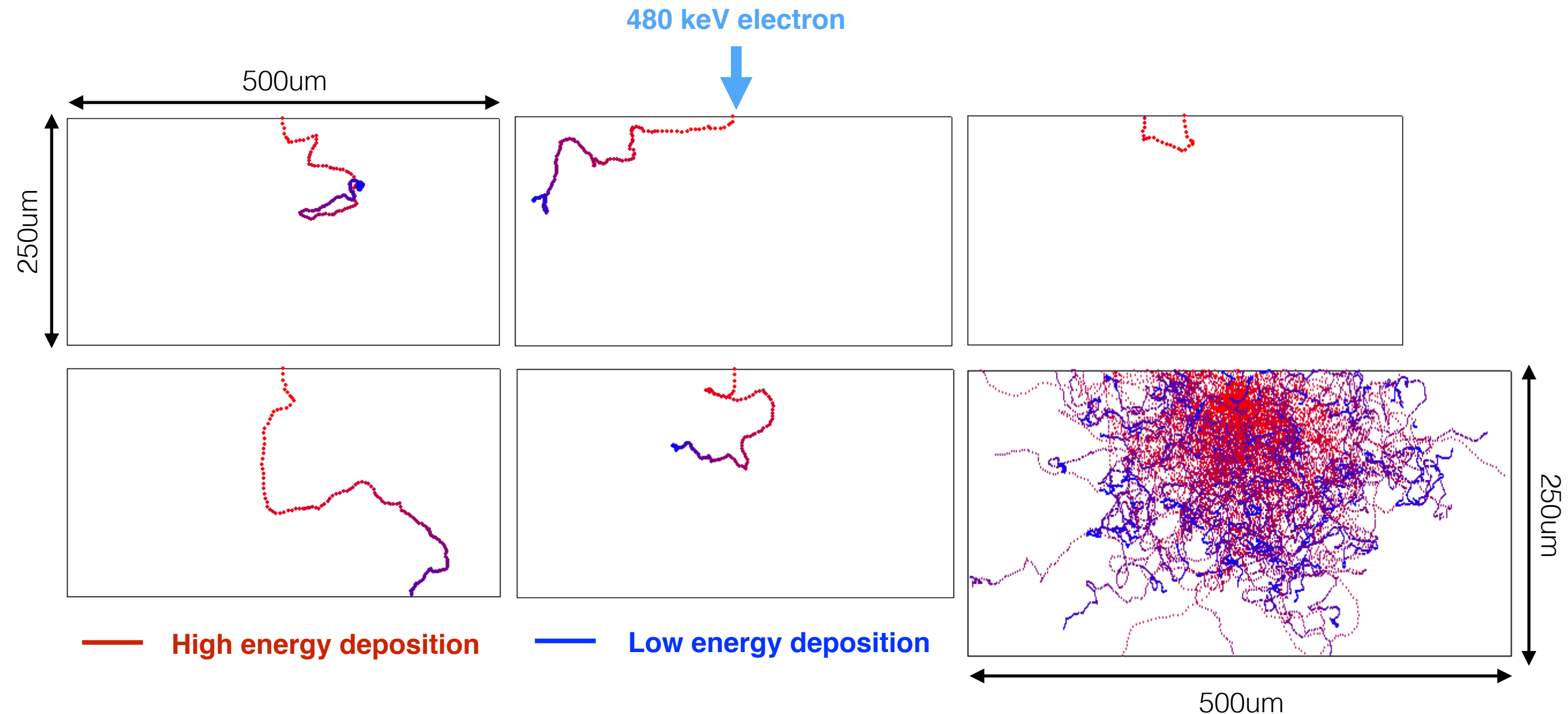
# Simplification

## - Using Electron Source



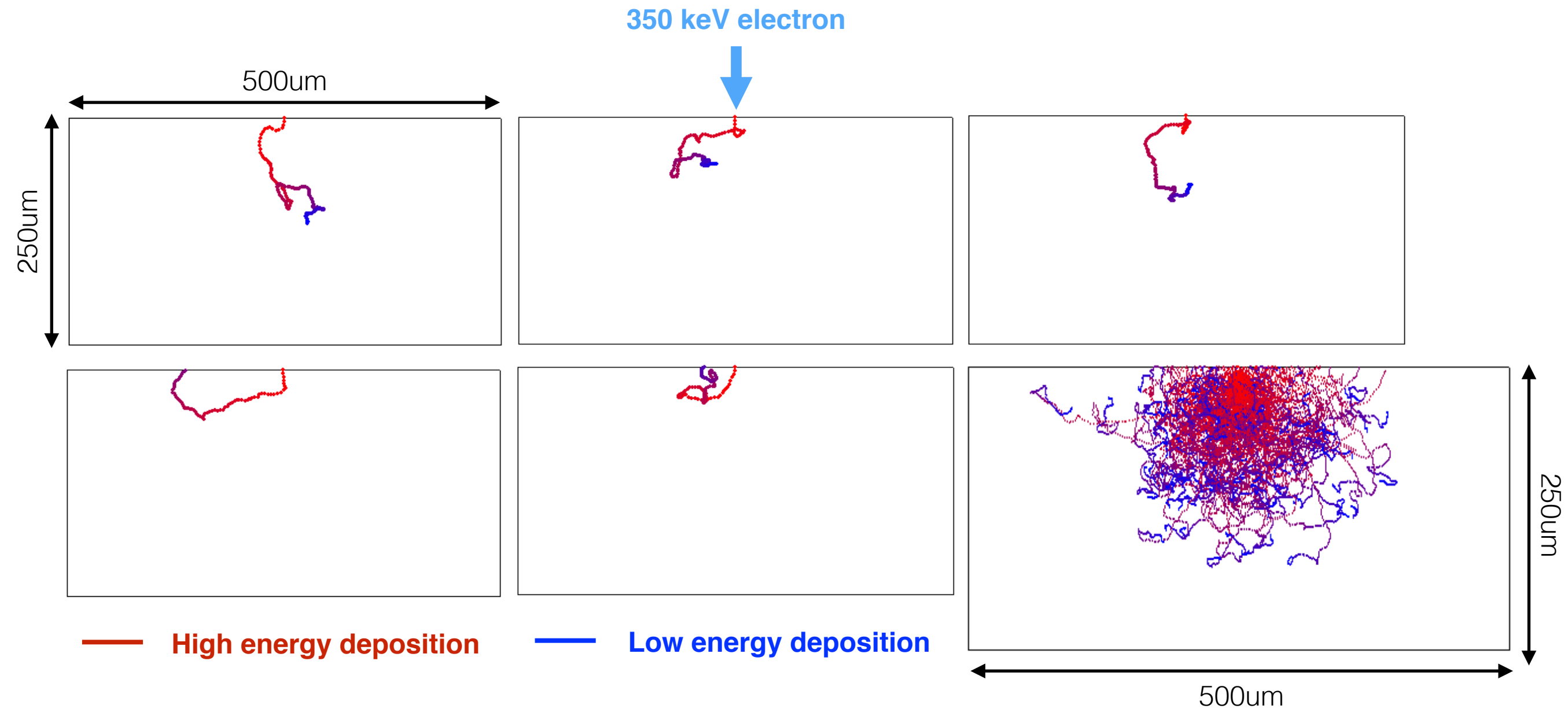
- Photoelectron energy - **480 keV**
- Max. Compton scattered electron energy - **350 keV**
- Half of max. Compton scattered electron energy - **175 keV**

# 480 keV Electron Track in CdTe



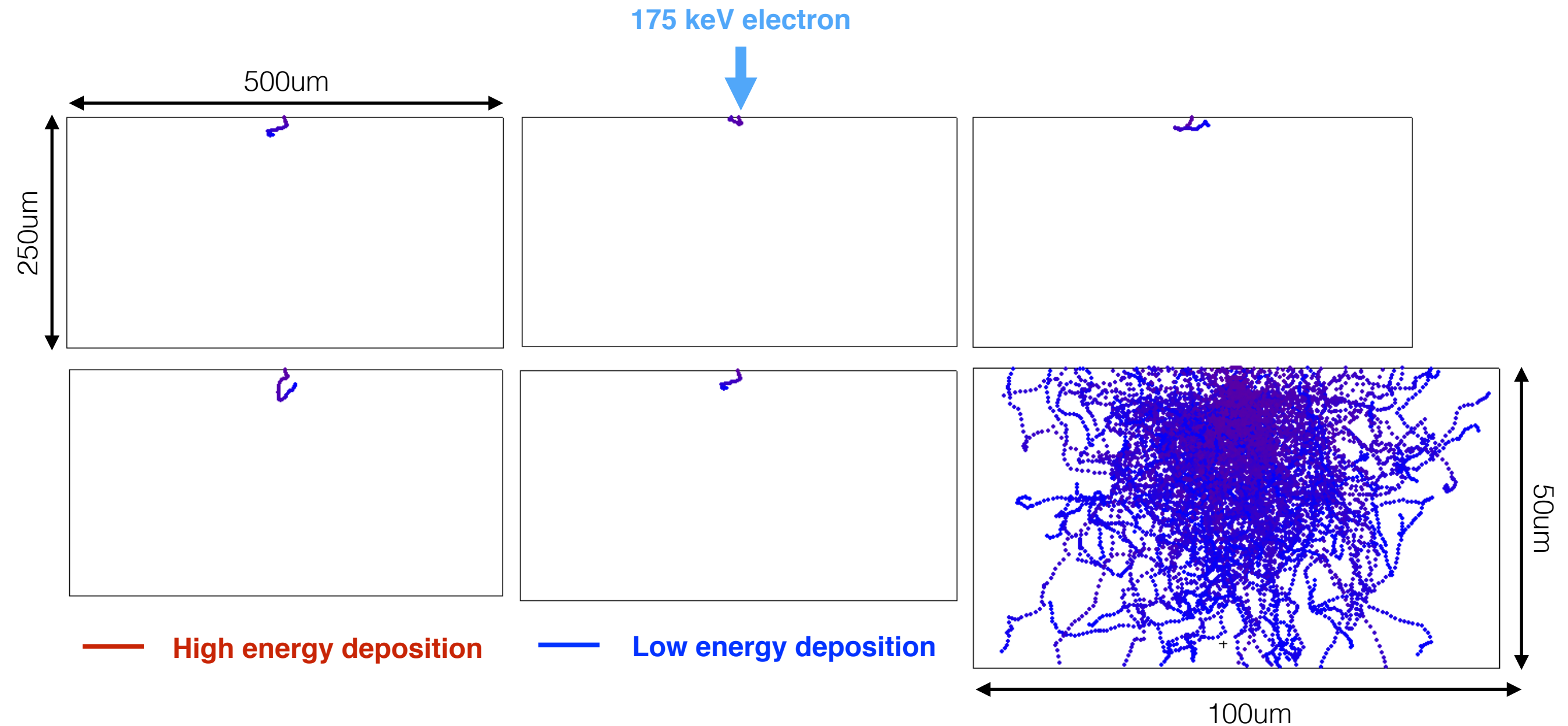
- Continuous slowing down approximation (**CSDA**) range - very close approximation to the average path length traveled by a charged particle as it slows down to rest
- CSDA range of CdTe for 480 keV electron ~ **492um** (NIST)

# 350 keV Electron Track in CdTe



- CSDA range of CdTe for 350 keV electron ~ **317um** (NIST)

# 175 keV Electron Track in CdTe



- CSDA range of CdTe for 175 keV electron ~ **113um** (NIST)