

# Supplemental Material

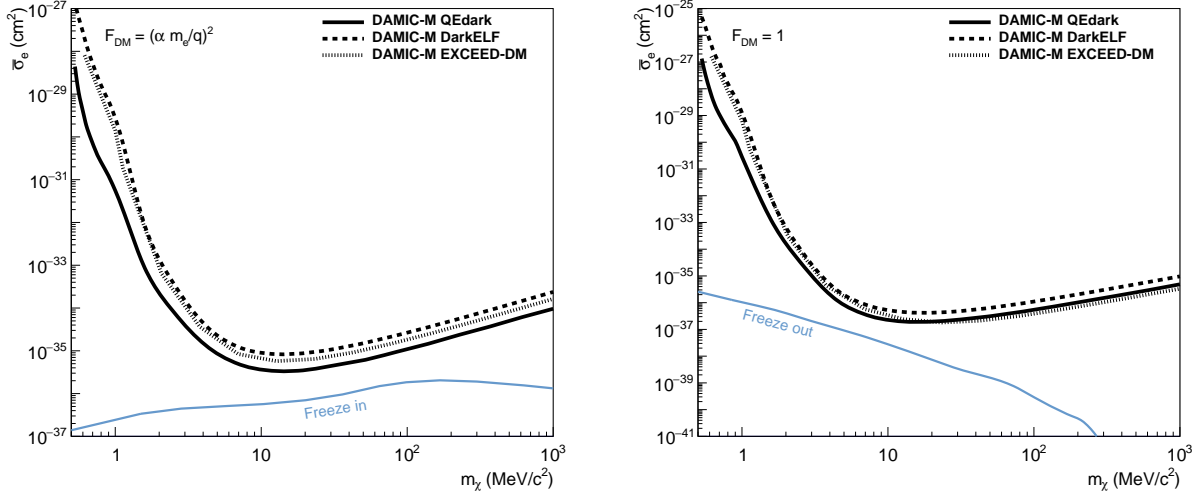


Figure 1: DAMIC-M 90% C.L. upper limits on DM-electron interactions through a ultra-light mediator (left) and heavy mediator (right) obtained with the QEdark [21] (solid), DarkELF [24] (dashed), and EXCEED-DM [23,47] (dotted) theoretical models. The GPAW method is used for the DarkELF calculation. The recommended Si electronic configuration file (10.5281/zenodo.7246141) and numerically computed dielectric function are used for EXCEED-DM.