



Collected charge (left) and time resolution (right) of LGADs from various vendors (*vendor-run-wafer*) being considered for HGTD at a fluence of  $2.5 \times 10^{15} \text{ neq/cm}^2$ . The target collected charge is 4 fC and time resolution of 50 ps for the HGTD. Carbon enriched sensors (IHEP-IMEv2-W7Q2, FBK-UFSD-2.3-W19, USTC-IME-V2.0-W16) show stable performance at much lower bias voltages than non-carbon enriched sensors. USTC-IME-V2.0-W16 performance before irradiation is however not adequate.