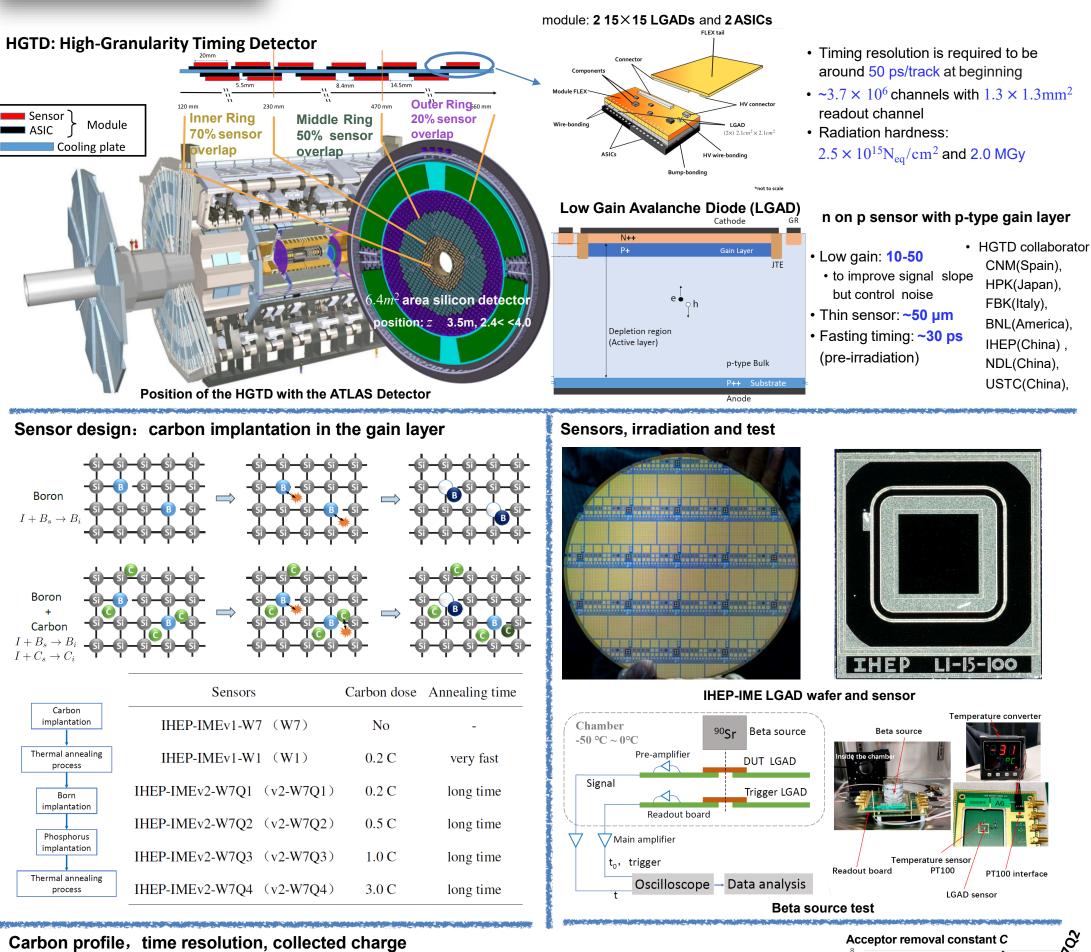
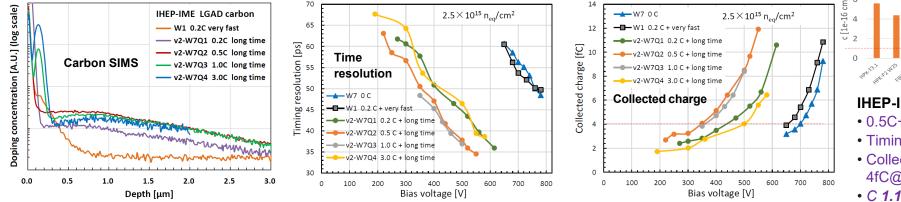
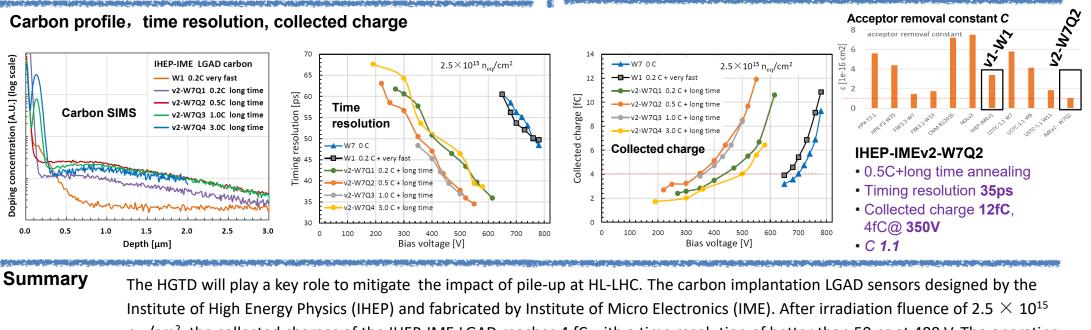


Performance of carbon implantation LGAD developed by IHEP and IME

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n_{eo}/cm², the collected charges of the IHEP-IME LGAD reaches 4 fC with a time resolution of better than 50 ps at 400 V. The operating voltage of the IHEP-IMEv2 sensors can effectively avoid the single event burnout effect.

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