Modes of HIGS Operation

1. **High-flux, quasi-CW operation, micropules with sub-ns durations at 5.5796 MHz**
   Typical energy spread (FWHM): 4 – 10%; the flux performance is found in the above table;

2. **High-resolution, quasi-CW operation, micropules with sub-ns durations at 2.7898 MHz (the main beam)**
   Typical energy spread (FWHM): 0.8 – 1.5%; the flux is lower by a factor of 50 – 100 compared to high-flux mode;

3. **Pulsed operation**
   Typically, 100 – 300 microsecond macropules are produced with a reprise of 1 to 15 Hz, depending on gamma energy, the flux performance is lower than quasi-CW modes, and with reduced stability below 10 MeV.

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