Status of HTGEN - Halo and Tail Generation

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http://hbu.home.cern.ch/hbu/HTGEN.html

Fast Background Tracking:

- -> BeamGas production, tracking and loss implemented in Placet and Merlin
- -> SR photons tracking and loss in Placet
- -> Multiple scattering implemented in Placet
- Alignment and multipole field errors effect in linac started
 First look at IBS tails in Damping ring

New fast Synchrotron Radiation spectrum generator : testing of implementation into Geant4 with documentation + dedicated test example in progess.

Example of tracking. CLIC BDS. Gaussian Beam with Halo from Beam Gas. 10 nTorr CO / N2.



