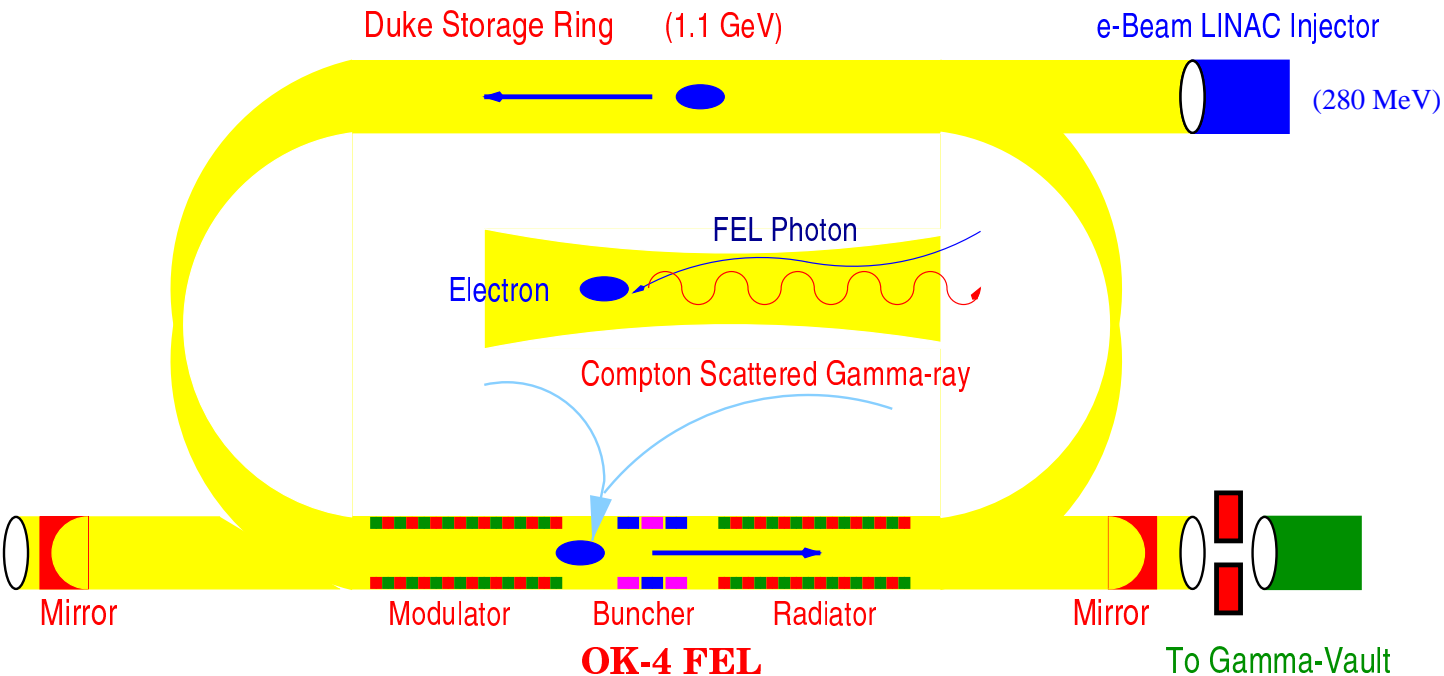


HIγS

MonoEnergetic Gamma-Ray Production

Using Compton Back-Scattering Inside
Duke Free-Electron-Laser Optical Cavity



$$E(\text{photon}) \longrightarrow 3 \text{ eV} - 12.5 \text{ eV}$$

$$E(\text{gamma}) \sim 4\gamma^2 E(\text{photon})$$

$$E(\text{gamma}) \longrightarrow 2.0 - 225 \text{ MeV}$$