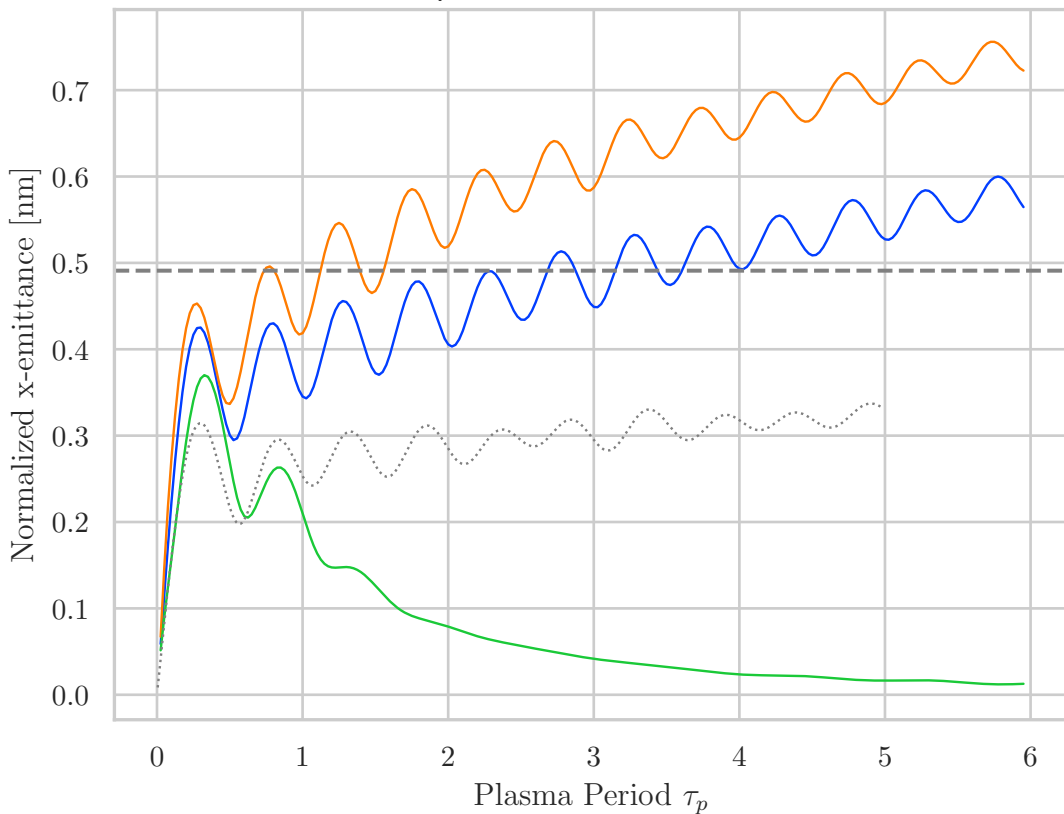


# Cold Sphere Normalized Emittance



- Langevin (no collisions) [256<sup>3</sup>]
- Langevin ( $F_d$ ) [256<sup>3</sup>, 64<sup>3</sup>]
- Langevin ( $-F_d$ ) [256<sup>3</sup>, 64<sup>3</sup>]
- ..... P3M [256<sup>3</sup>, -],  $r_c = 0.0$