

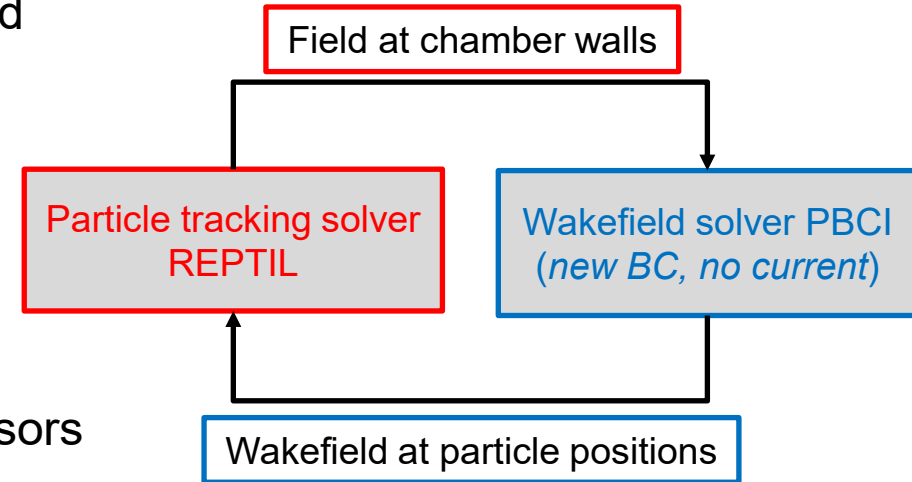
Coupling Beam Dynamics and Wakefields

1. Strong coupling between wakefields and beam dynamics at low energies

- Space charge wakefields in RF electron guns

2. CSR wakefields

- Magnetic chicanes, bunch compressors



→ Coupled simulation of wakefields and beam dynamics

- For arbitrary chamber geometries and beam trajectories

Reflected CSR Wakes

- BC0 @ European XFEL
- Wakes incl. compression

