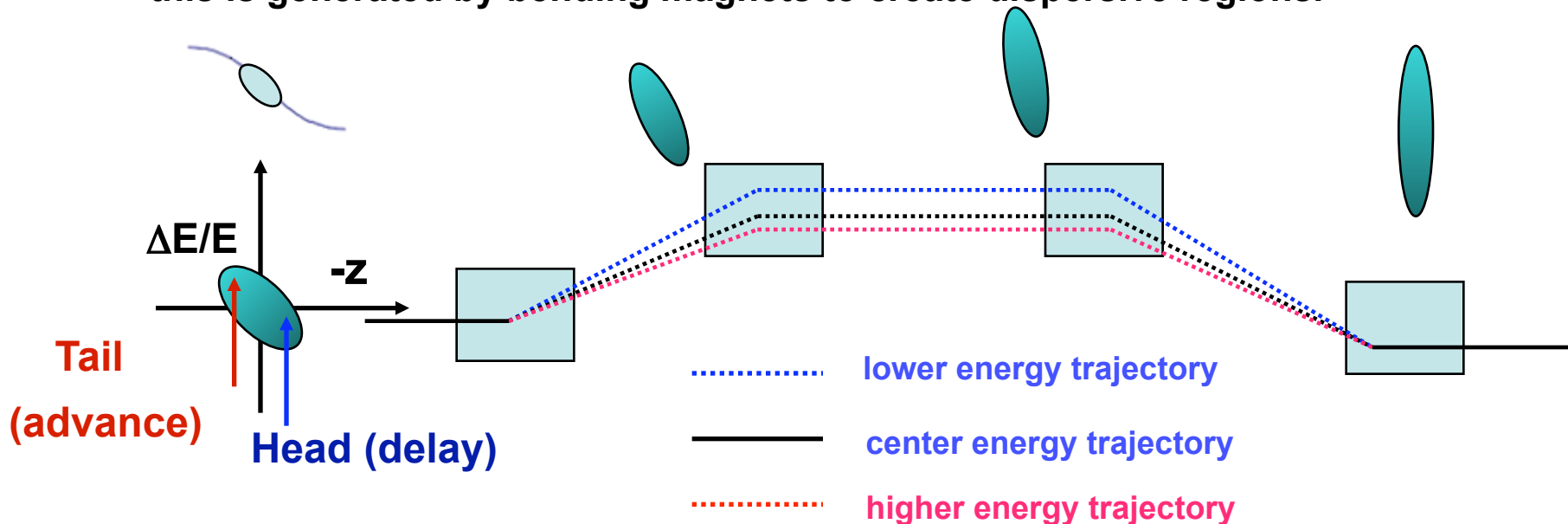


Magnetic bunch compression (BC)

□ Beam compression can be achieved:

- (1) by introducing an energy-position correlation along the bunch with an RF section at zero-crossing of voltage
- (2) and passing beam through a region where path length is energy dependent: this is generated by bending magnets to create dispersive regions.



- ## □ To compress a bunch longitudinally, trajectory in dispersive region must be shorter for tail of the bunch than it is for the head.