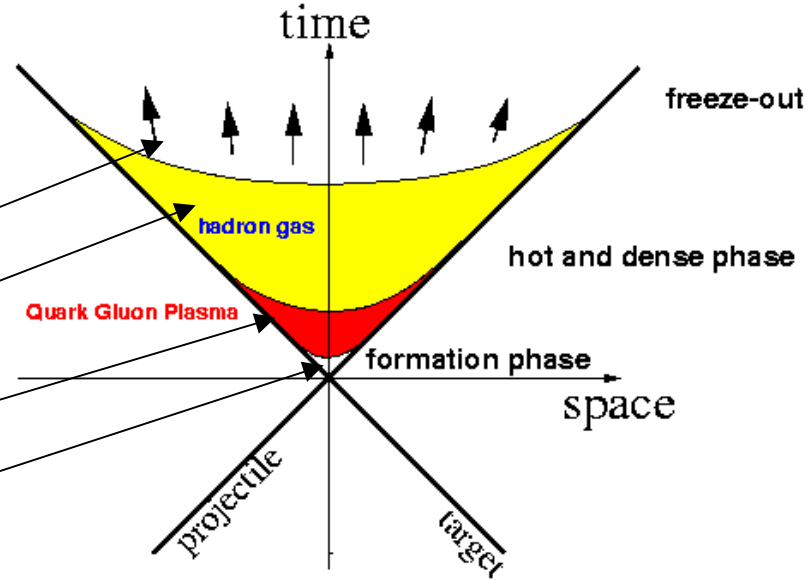
Electromagnetic probes of nuclear collisions

Mean free path larger than reaction volume

Dileptons emitted at all stages of the collision:

- neutral meson decays
- $\pi^+\pi^-$ annihilation
- $q\bar{q}$ annihilation
- Drell-Yan pairs



Measured spectra reflect full space-time evolution