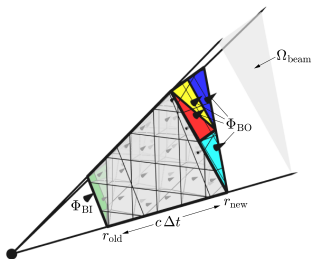
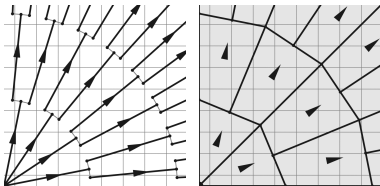
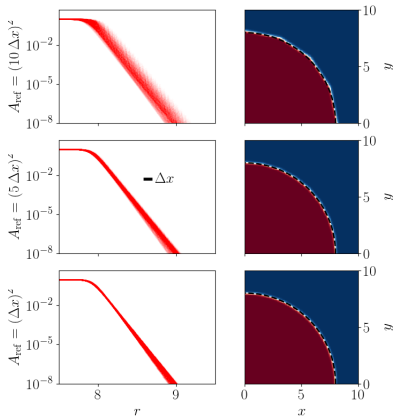


Adaptive Beam Tracing: Radiation Transport

Rays vs. Beams

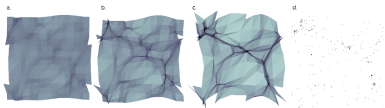


Nice results so far!

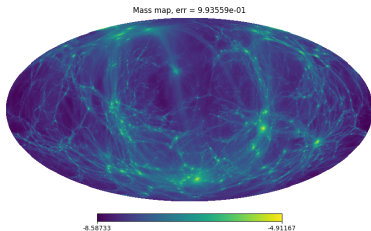


Adaptive Beam Tracing: Synthetic observations

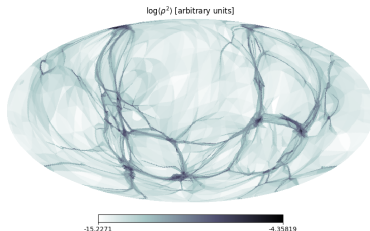
Treat the CDM phase-space sheet as a radiation source (DM decay, annihilation)



Volume-integrate source luminosities over pixels



Compute $\Phi_{\text{decay}} \propto \rho$,
 $\Phi_{\text{annihilation}} \propto \rho^2$ using
computational geometry and
analytic overlap integrals



Want to know more? Come talk
to me (Devon Powell)!