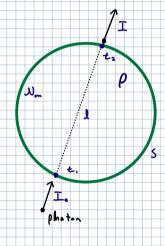
· Varies w/ energy

- · Rayleigh scattering
- · Lampton scattering
- · photoelectric ebsorbtion
- · pair production

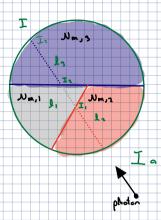


Mass - Energy absortion autent

Upon interaction

- · let ray travel straight through S
- measure t, + t2
- · Calculate & Creed to set some basis vail, ; what P(E) P(E)
- · Lompute P = e-wapt for sample photon
- | Lalculate whether | bool decision(float probability) | | return rand()probability; | Co, I)
- · If True: Trasmit Photo, Enoys becomes E. (empty atoms)
- · If False: Stop tracing photon (Ignore Reflection)
- · Repeat again for photon if True

## Compasitz



## How it might work

- Calculate prob to poss through each 18th with Energy Ea
- · Calculate composite prob P=P,P.
- . Aun ANG to decree transmission.

