Dical de pt... For the exam greation you sent... You are told "sti" is the crop-sed-ion of "some process" which absorbs y vays via collision with "low-everyy" photoms. X Key assumption: scattering process only happens within the AGN, although & and & z photoms both propagate out to deserver. Crodus J. Janity Fig C=I Lol-s of Ez photons densits v St= 2... why? Beause "instantaneous" process in AGN size R Lales 2 = Dt to view. This is very common approximation used by astrophysicist (though
it is B.S.) "Oxfind depth' = experted # a) collisions for "m" with "."
as single "m" escorpes the AGN. Townson of the self. on the sough AGN So 12 = At, whol-dowl- n? We know Ez is So 12= At, and observer, so Ez x d² is denoity of "."

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Lentity of "." of $= \sum_{z=1}^{\infty} \frac{d^{2}}{\Delta t^{2}} \cdot \frac{d^{2}}{dz} \cdot$