Partial Wave & Phose Shoft Sph. sym potential Vcr) to then f(0) = E CRHIFE(t) Pe(cos0) substitue (XIVt) = Gett - eith - i (kg-la)

sphrout were sphr. in work incont cover. prod. (e = 1+72 kfe(k) Ce=1 Wo scatter. also w/ scatters) included there shift Se Itiztifack)= e izba - hos gen expression. 8tot = 40 5 (20+1) sin2 Se CXIV7 = U(x) = COPET = (CLEH) ARCY) Re(COSO) ARCY = COTOS jett) -Sin Se ne(Ex) Can reviste St in form. 4"+ (x2-22V)4 =0 Por sphr. sym Vcr), where the +(k²-2mV- l(Q+1)) Ue = 0 w/ Uez rAg(r) Parked blove analysis good for loss every approx. FO)= Freque + Polared High energy & Gitonal Fresh = = = 1 (2041) ei2 & Pe(cos o) theise SCK) phase W/ 1751 p Shad = IZ (22+1) Peccoso) 120 h 16) (00) +V = 4/62 & thish energy havel sphore scatterly KR >> 4 but = # 25 (28+1) sin'se, we have tando = Jo(br) = - tan (kR-27) 1 ~ kb < kr 50 Se = - (kr - 29). where 25(20H) = (2KRHH) Ja(kn) Stat = 44 En (2011) sin (tracks) &

= UTR' //

Scattering Theory

J(R/R) = - m13 < FIVIUTY

dd = 1 f(R/R) | 2 or dd = (m13) 2 < R1V 14+>

< R17(R)

< R17(R)

Optical Ham

In f(0=0) = 1000

2471

Coveats

TIR>=VIDT> Re(E) incorrected

LG copy

14+>=1K>+ @V14+>

meon's func

 $G_{\pm}(\vec{x}', \vec{x}) = \frac{t^2}{2h} \langle \vec{x}' | \frac{1}{E - H_0 \pm i\epsilon} | \vec{x} \rangle$

Born Approx

~ (R)= |R|=K

10 90 K-E

9=245h(2)

· VI47= TIS

TaV

V147=V11>

have Calarlole

< * IV I 4 >

=<E/1/16>