



Q1-1-4.0,1. e 701. F 2 1-0, 4.0, 984 NO,87 mbem: P 2 0,84 D=2mor dN= pmor n 150 (0(px) dpx= = 2m · Afdr Px · ly V a (Px) dPx F= dp= 2m·n/Px by Sco(Px) dpx Dabrenne: a) DZ df = 2mn f on 2 ce (px) dp Sy (14): A 7 4 11 for e 78 c ap = 41 - 100 pt 4 full do:  $P = 2n P^2 \frac{e^2}{\sqrt{2\pi m \kappa T}} dP$  $\begin{aligned}
& f = (2 \pi m \kappa T)^{3/2} \cdot \int_{0}^{\infty} e^{-\beta T \omega^{2}} d^{2} \omega = (2 \pi m \kappa T)^{3/2} \cdot \int_{0}^{\infty} \int_{0}^{\infty} 2 \pi \omega e^{-\beta T \omega^{2}} d^{2} \omega = (2 \pi m \kappa T)^{3/2} \cdot \int_{0}^{\infty} \int_{0}^{\infty} 2 \pi \omega e^{-\beta T \omega^{2}} d^{2} \omega = (2 \pi m \kappa T)^{3/2} \cdot \int_{0}^{\infty} \int_{0}^{\infty$ = 9 TT 3 (KT) 2 M3/2 (T)



