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=  $v_d = 2.4 \times 10^6 \text{ cm / s}$  Then  $1 \times 10^{12} \text{ cm}^{-3}$

$1 - 31 \times 10^{12} \text{ cm}^{-3}$   $E = mn v_d =$

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remains constant, determine  $E_c$   
and  $p_0$  at  $T = 300$  K. 4.21 Repeat  
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