Positively charged molecular ion Benerally assume molecular ch Aa Bb Cc --- Le

produced by

aA + bB + (c-ch) C + ch C+ + - - - eL

thus assuming

 $I(c) \leq I(A,B,O,...etc)$

and c ≥ ch

(could be generalised b c>ch easily, but rave I suen)

The code tries to construct PNK species of interest in terms of atomic partial pressures

PN = PA PB Pc - Ple , PAaBbCe-Leh PT Pah PB Pc - Pth Peh Peh PC - PK dise

= Pch Paabboe-Lect Pch

this is what we want

Negative Molecular lon

Assume molecule

Aa Bb Cc --- Le ch

ch < 0

produced by

aA + bB + (c-|ch) C+ch C+-- + eL

thus assuming

I(C) > I(A, B, etc)

and c 2/chl but ch < 0

Construct PN in code

PN = Pa PB PC - Pl. Paubocc-Lech
Pa PB Pc C-Ichl Pl Pc-Ichl
Pa PB Pc C-Ichl Pl Pc-Ichl
Pe Ch

KT = lekding.

= Pc Ichl PAaBbCc-Lech IT
Pc-Ichl PacbbCc-Lech Pech

po reed

IT = Pech. Pc-lchl
Pc lchl

$$M_z$$
 IT = P_e^{-1} . $\frac{P_u}{P_H}$

$$N0^{+}$$
 $IT = P_{e} \cdot \frac{P_{0}^{+}}{P_{0}}$ $I(0) < I(N)$

CH
$$T = Pe^{-1} \frac{fc}{Pc}$$
 $I(c) > I(H)$