VOLUME 44, NUMBER 9 PHYSICAL REVIEW LETTERS 3 MARCH 1980

on the pusher-shell interior, is most likely a
nonuniformity in pusher-ion density (N,)

indica-

tive of breakup of the pusher shell during target
irradiation.
In addition to the above observations, the STX images provide some information

pus(in3R)Tj E3(on)T00 8.89 Tf 136.76 640.7ST675.68-2

VOLUME 44, +UMBER 9 PHYSIGAL REVIEW LETTERS 3 MARCH 1980

-R,» plane which minimize the

VOLUME 44, NUMBER 9 PHYSICAL REVIEW LETTERS 3 MARCH 1980

4.0

3.5-

3.0 -g
0
0
2.5-

2.0—

~OK

B2

3.0- Legend
G B11N Cl]

0 82tCsCI)
'V B81(NiAs)
i()r B16(GeSI
D 831(MnPJ
T B32[NaTI)
O B33-:Br[CrB

8 CP64 [KGe)
2 g 0 L1o[CuAu)
~ mc 24 [AsGe
e mc32(NaSi
8 mp16[AsLi)
% OC16(NaHg]

1.5 —~ tl64 [NaPb) ~O

1.5-

1.0-

0.5-

0.0—

0.0

B4

p 6,

0
oo

8p
o() es o

0
oo
oo o

A4
I

0.5

R (a.u.l

I

1.0

1.0—

0.5-

0.0—

I

0.0

v ~ o o o
Q)oz)oco o

816, z, zv. 000 O

v
v

-

. 8 p
p)
v Q 0
0 0
v + 8+ oo

rac 24 o
ep 8oo,
p OC16

I

0.5
R Iau

I

1.0

FIG. 1. Structural separation maps for AB compounds. The coordinates are Rs~= [r~+ r, ~(+]r&-s-r,s[and Ro~= [(r&++r +) —(r&s+r)). The radii r and r& mark the crossing points of the screened nonlocal atomic pseu-dopotentials. (a) Octet, (b) nonoctet.

and A. Baldereschi for indicating to me a numeri-
cal error in my previous Li r~ radius.

L. Pauling, 'The Nature of the Chemical Bond (Cor-
nell Univ. Press, ithaca, N. Y., 1960).
R. Hultgren, R. D. Desai, D. T. Hawkins, H. G.
Gleiser, and K. K. Kelley, Selected Valu7 Td (ET BT /Xi3 8/Xi3 99.64 197.35 Td (a164 TdE 8.Td (Valu7 3j EXi3 j E4 227.41 Td (the)Tj ET BT 49i3 9.55 T

radius. Unv.

2and

G.maps

and

A.

N.

radius. Unv.

24 AB

1960).