

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

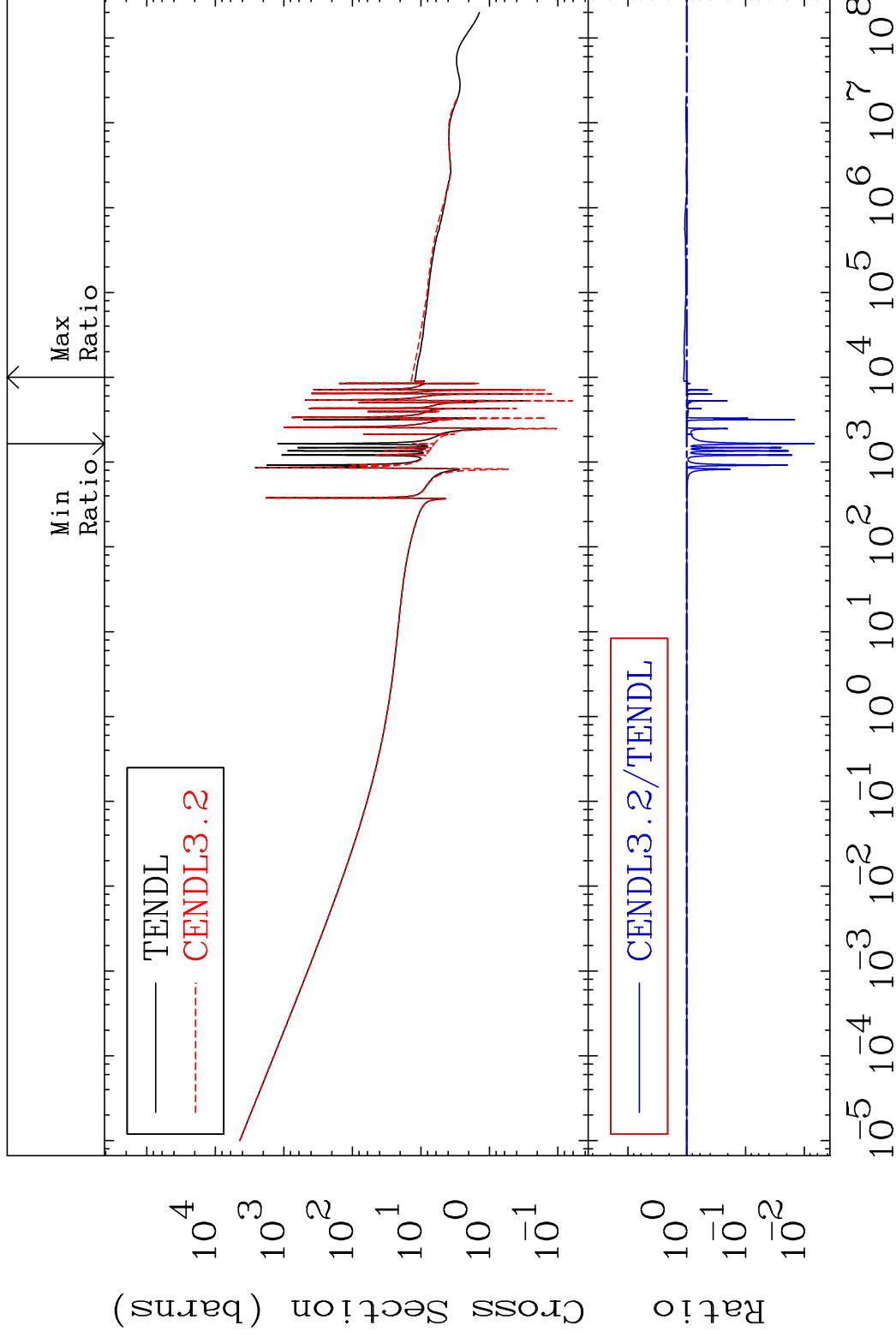
MAT 3431

Total

34-Se-76

Cross Section

-99.32 To 12.95 %



1

Incident Energy (eV)

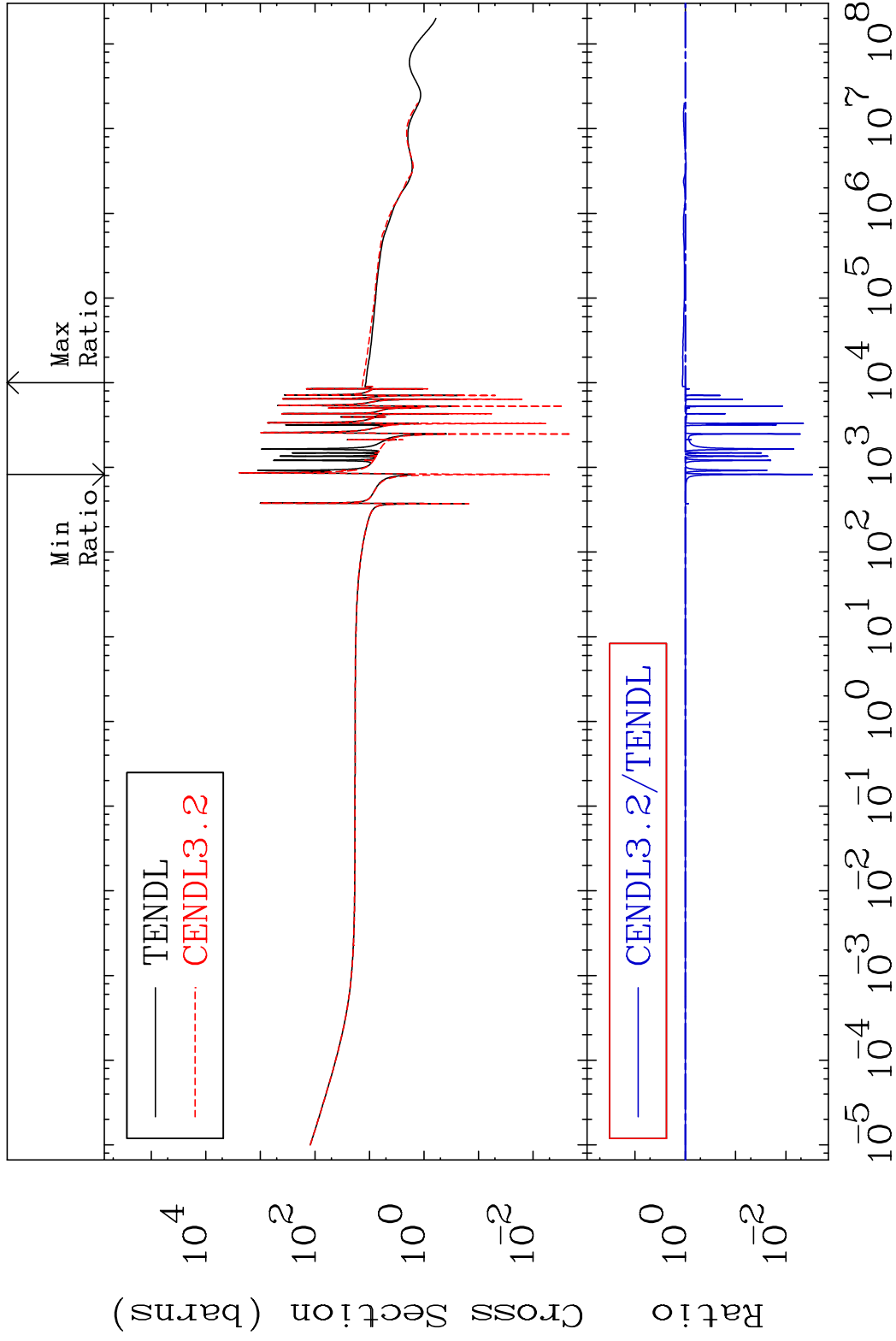
34-Se-76

MAT 3431

Elastic

³⁴Se-76

Cross Section -99.70 To 14.26 %



2

Incident Energy (eV)

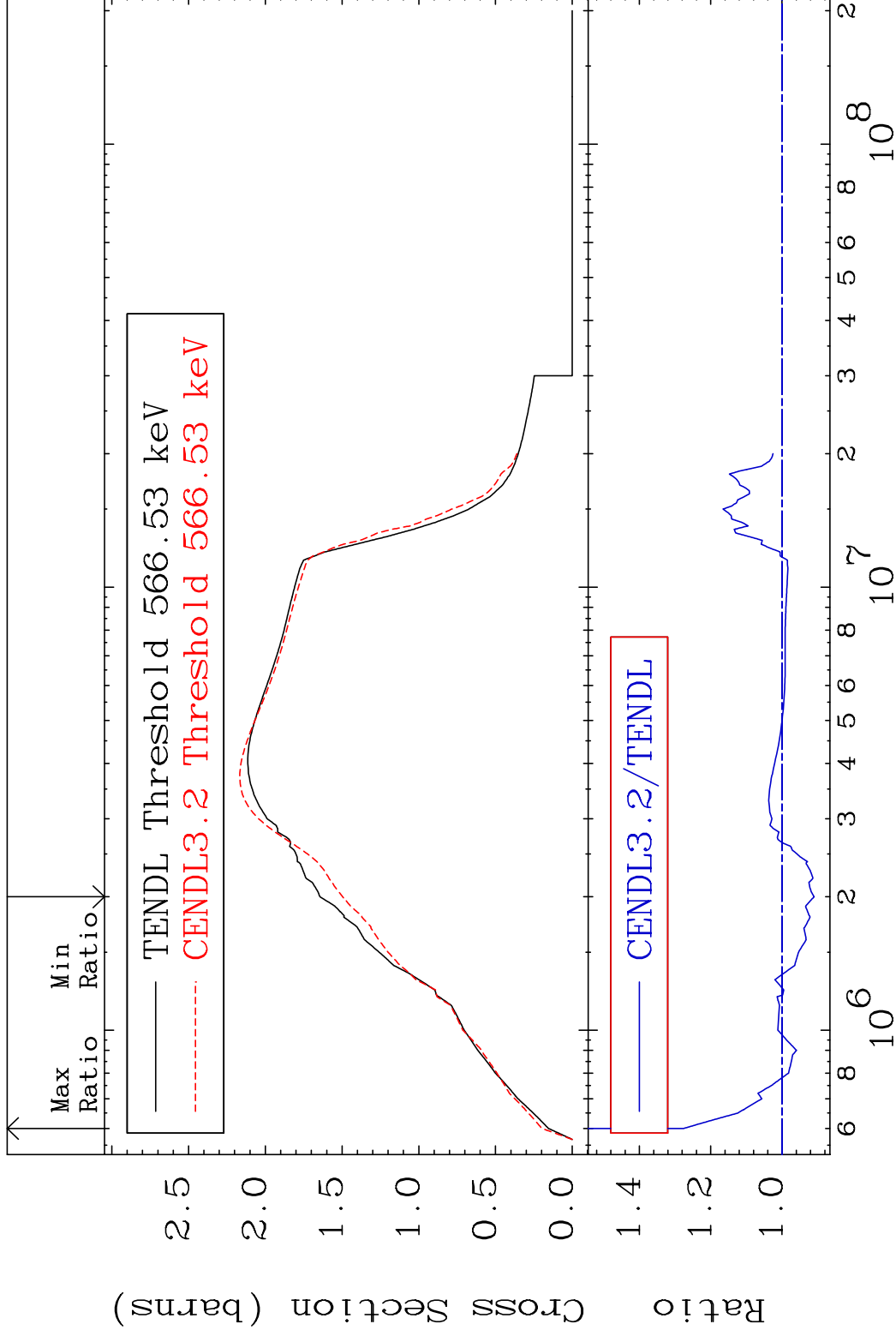
³⁴Se-76

MAT 3431

Inelastic

³⁴Se-76

Cross Section -8.993 To 27.59 %



3

Incident Energy (eV)

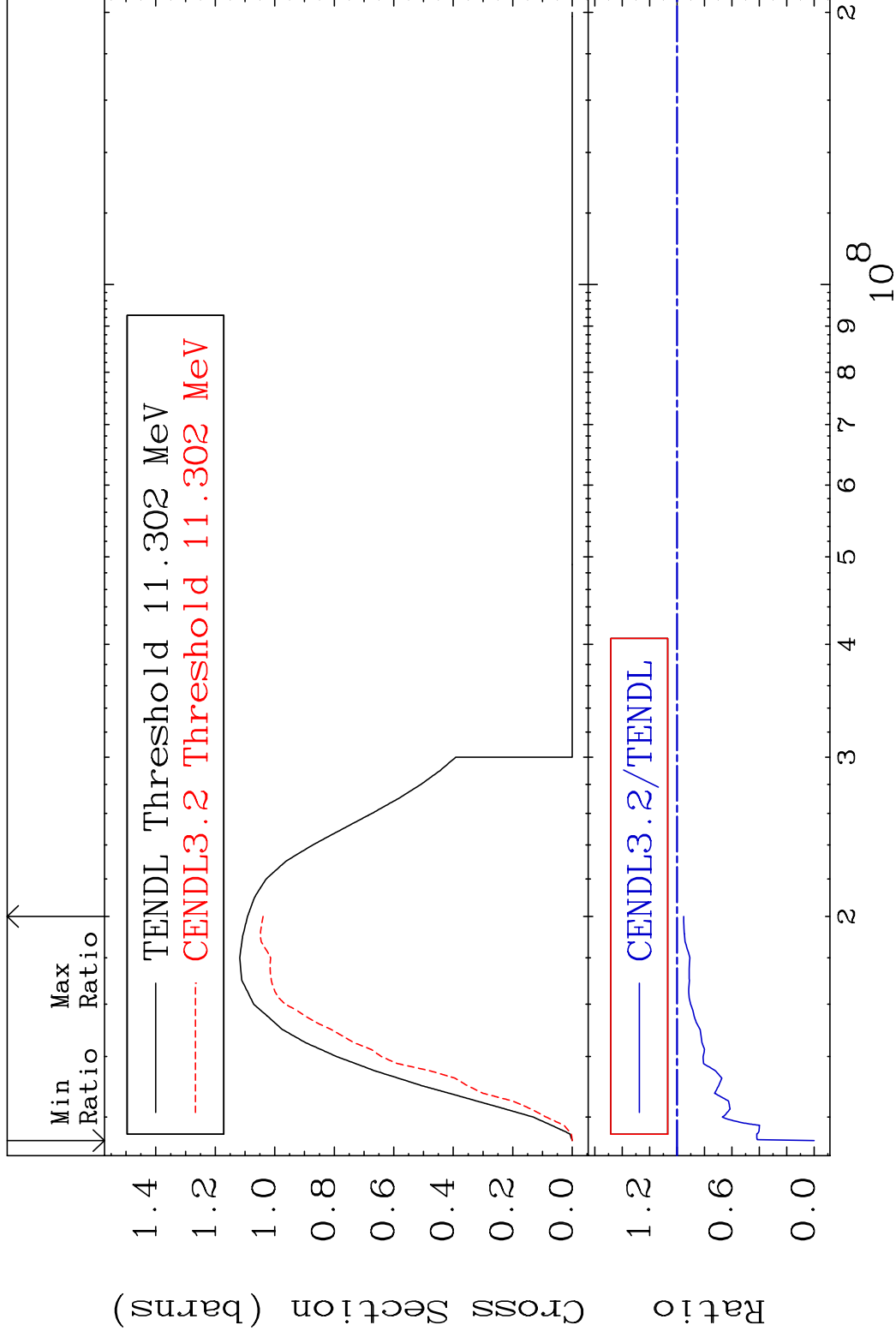
³⁴Se-76

MAT 3431

(n,2n)

³⁴Se-76

Cross Section -100.0 To -4.795%



4

Incident Energy (eV)

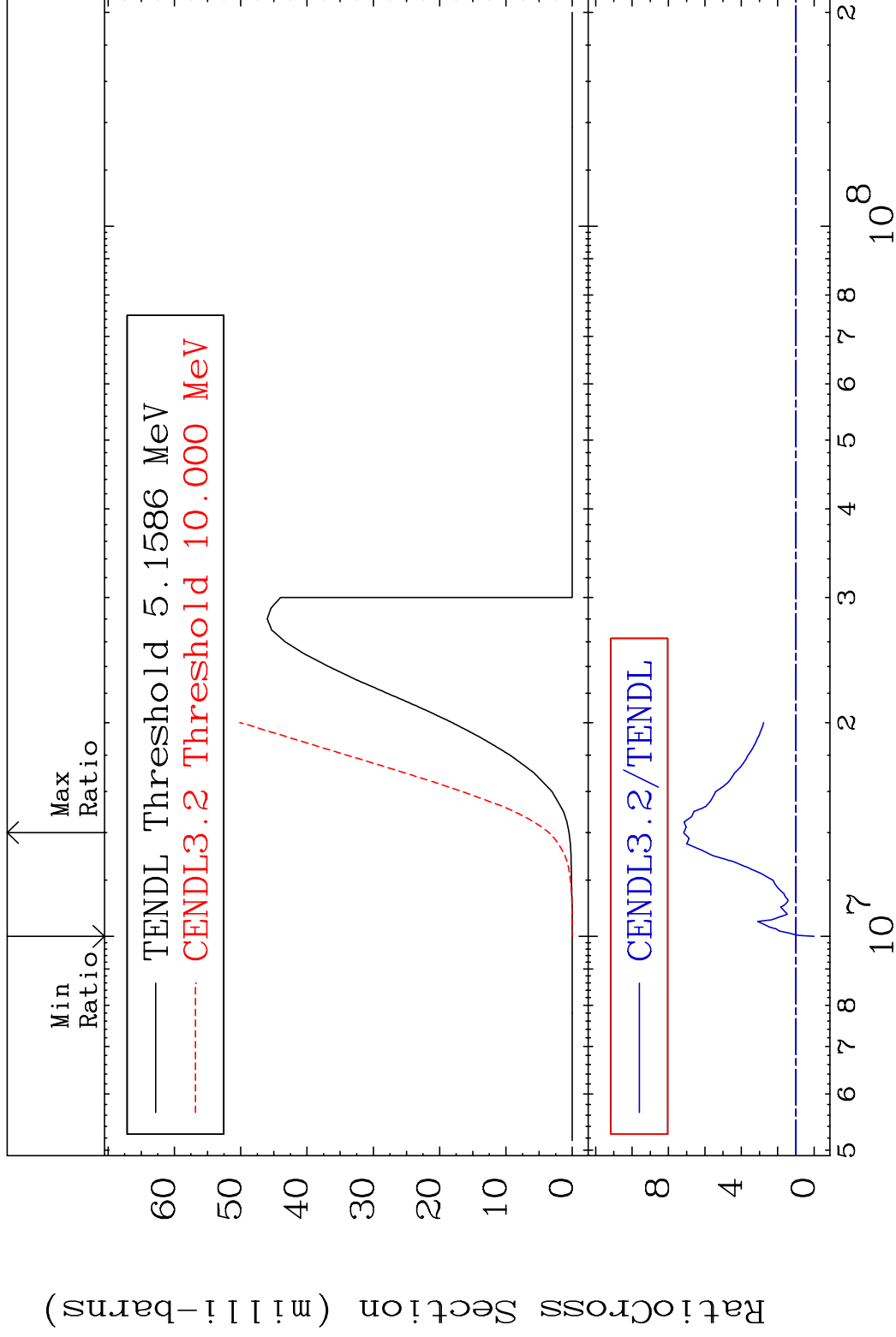
³⁴Se-76

MAT 3431

(n, n') α

³⁴Se-76

Cross Section -100.0 To 616.5 %



5

Incident Energy (eV)

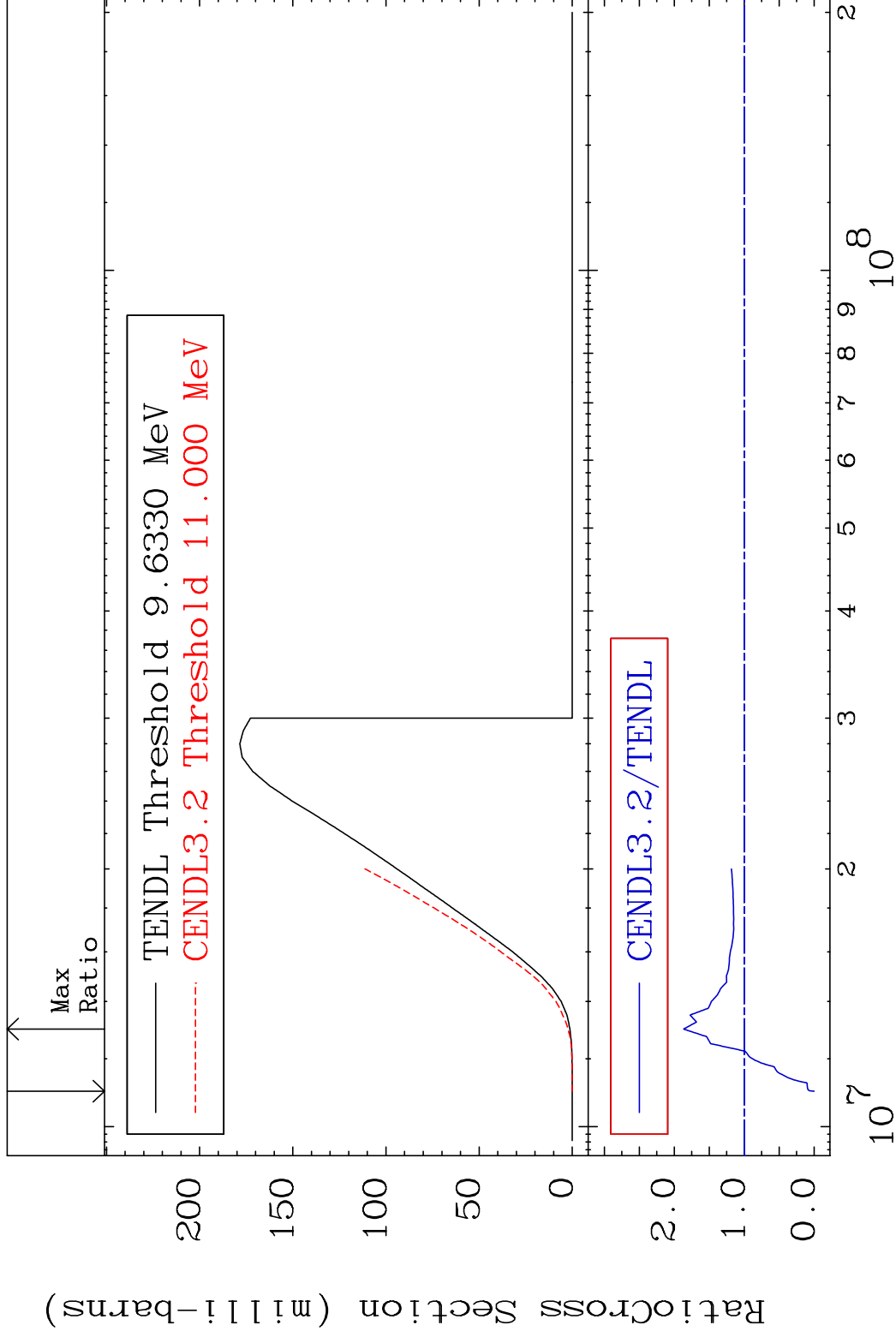
³⁴Se-76

MAT 3431

(n, n') p

³⁴Se-76

Cross Section -100.0 To 86.62 %



6

Incident Energy (eV)

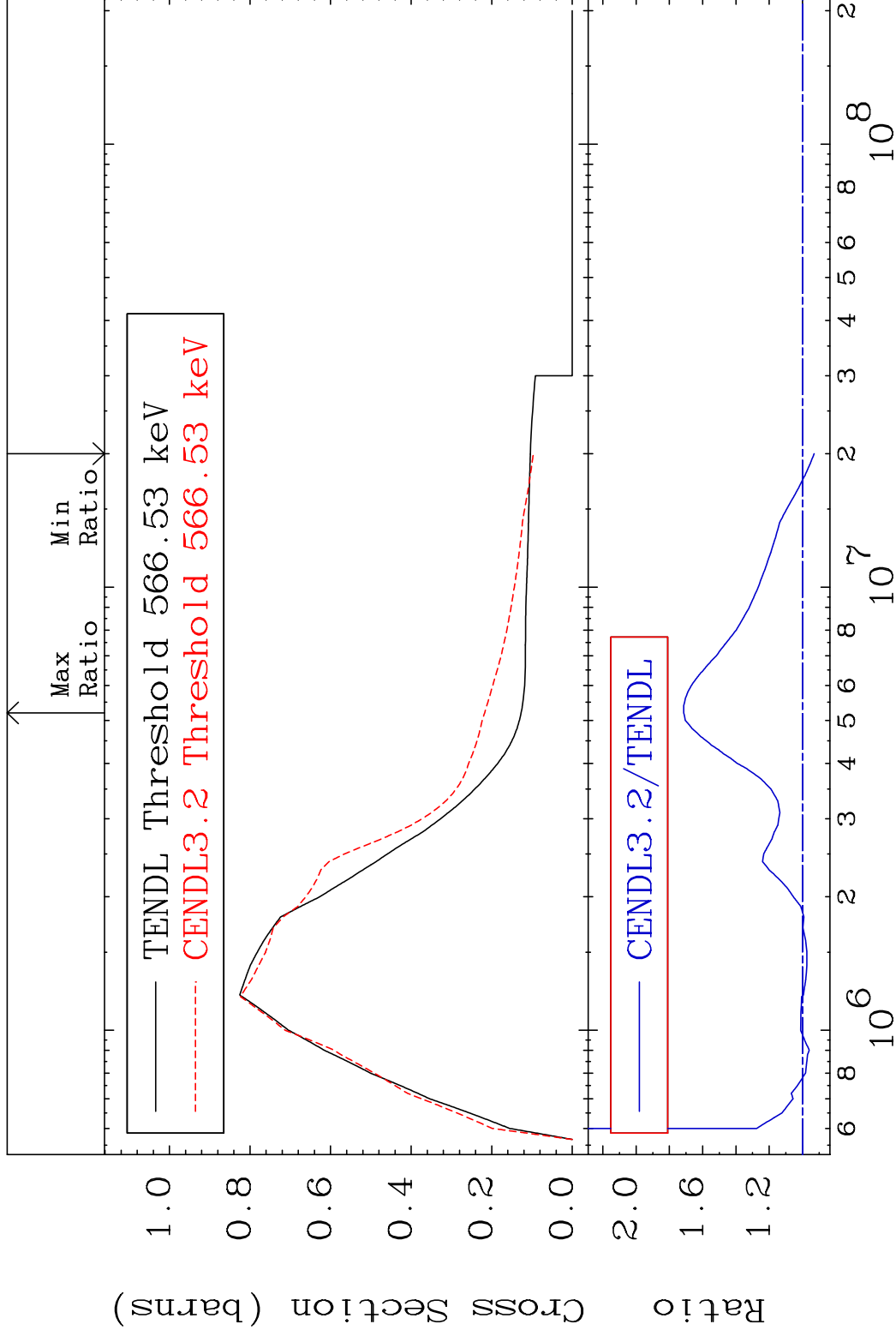
³⁴Se-76

MAT 3431

MT= 51 (n, n') Level

34-Se-76

Cross Section -6.976 To 71.42 %

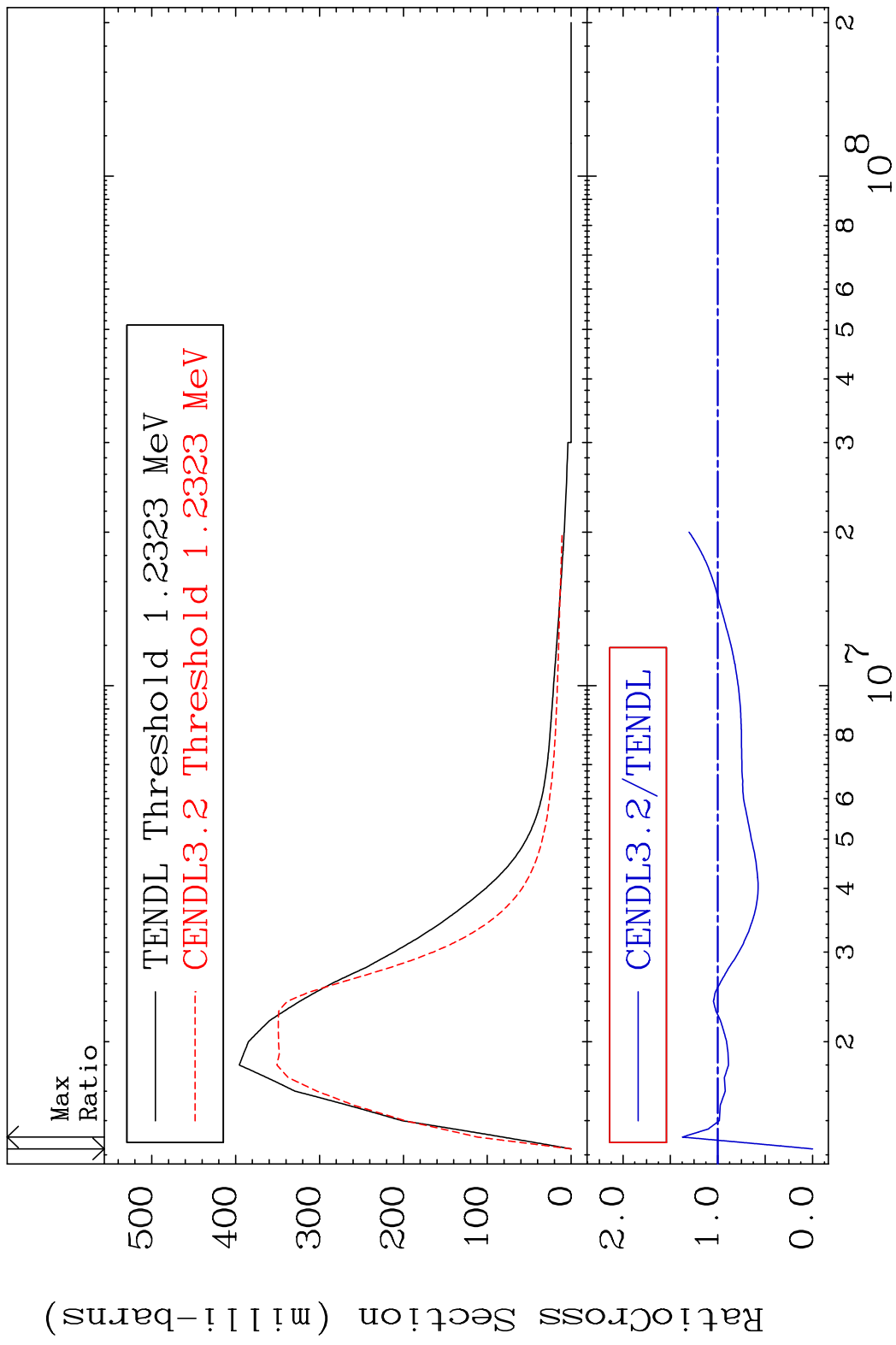


7

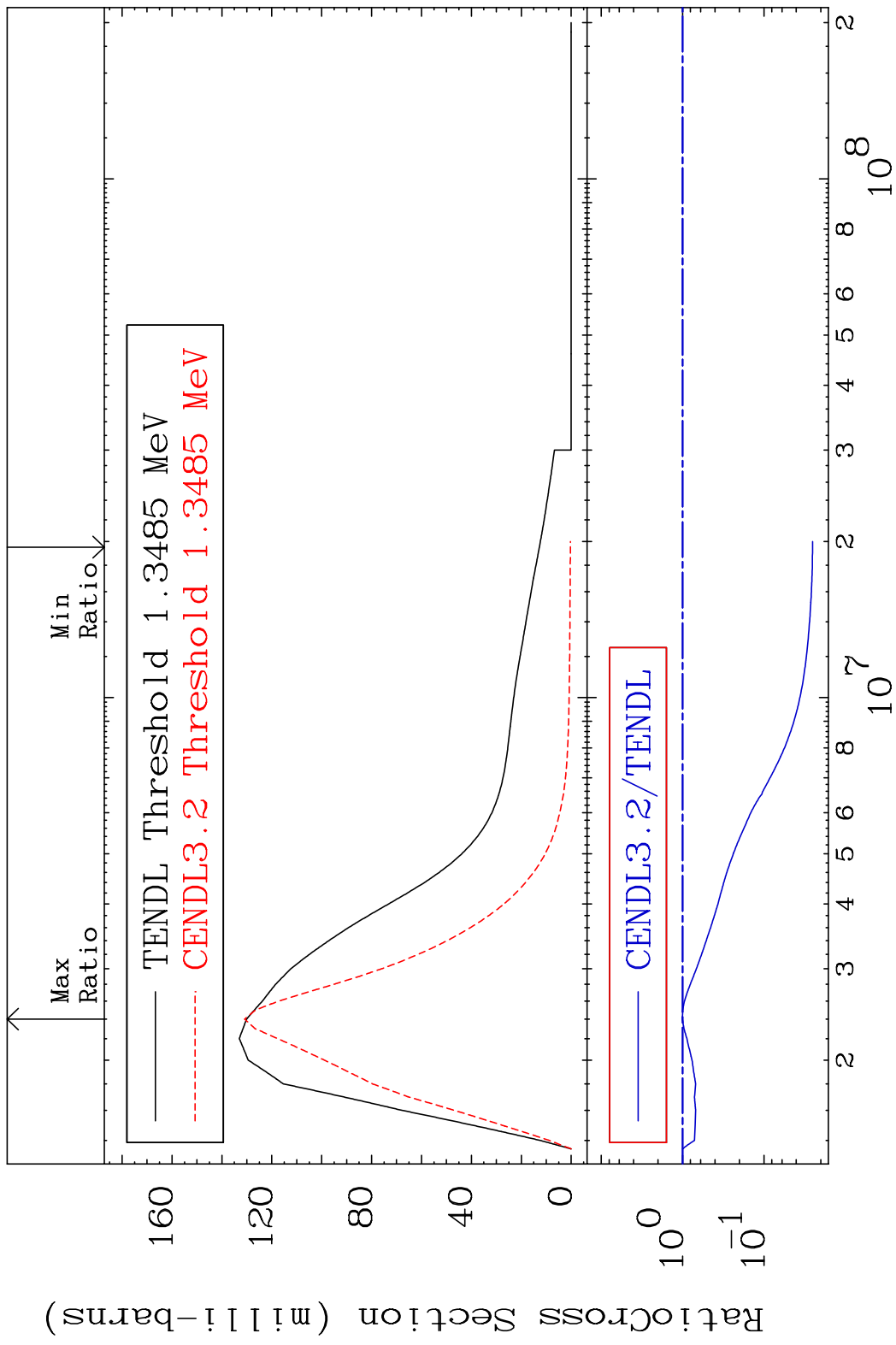
Incident Energy (eV)

34-Se-76

MAT 3431 MT= 53 (n, n') Level 34-Se-76
 Cross Section -100.0 To 37.37 %

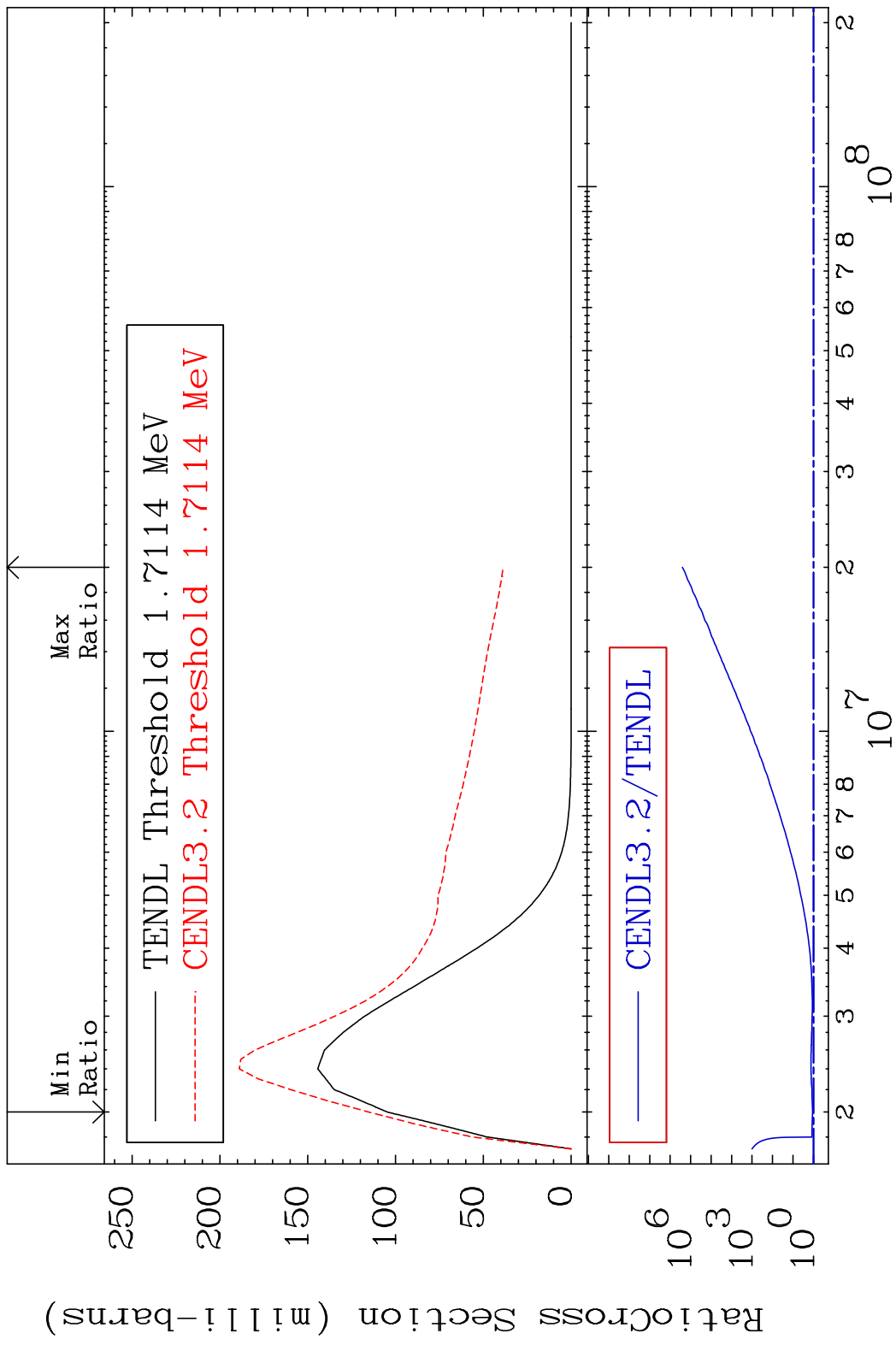


MAT 3431 MT= 54 (n, n') Level 34-Se-76
 Cross Section -97.48 To 0.613 %

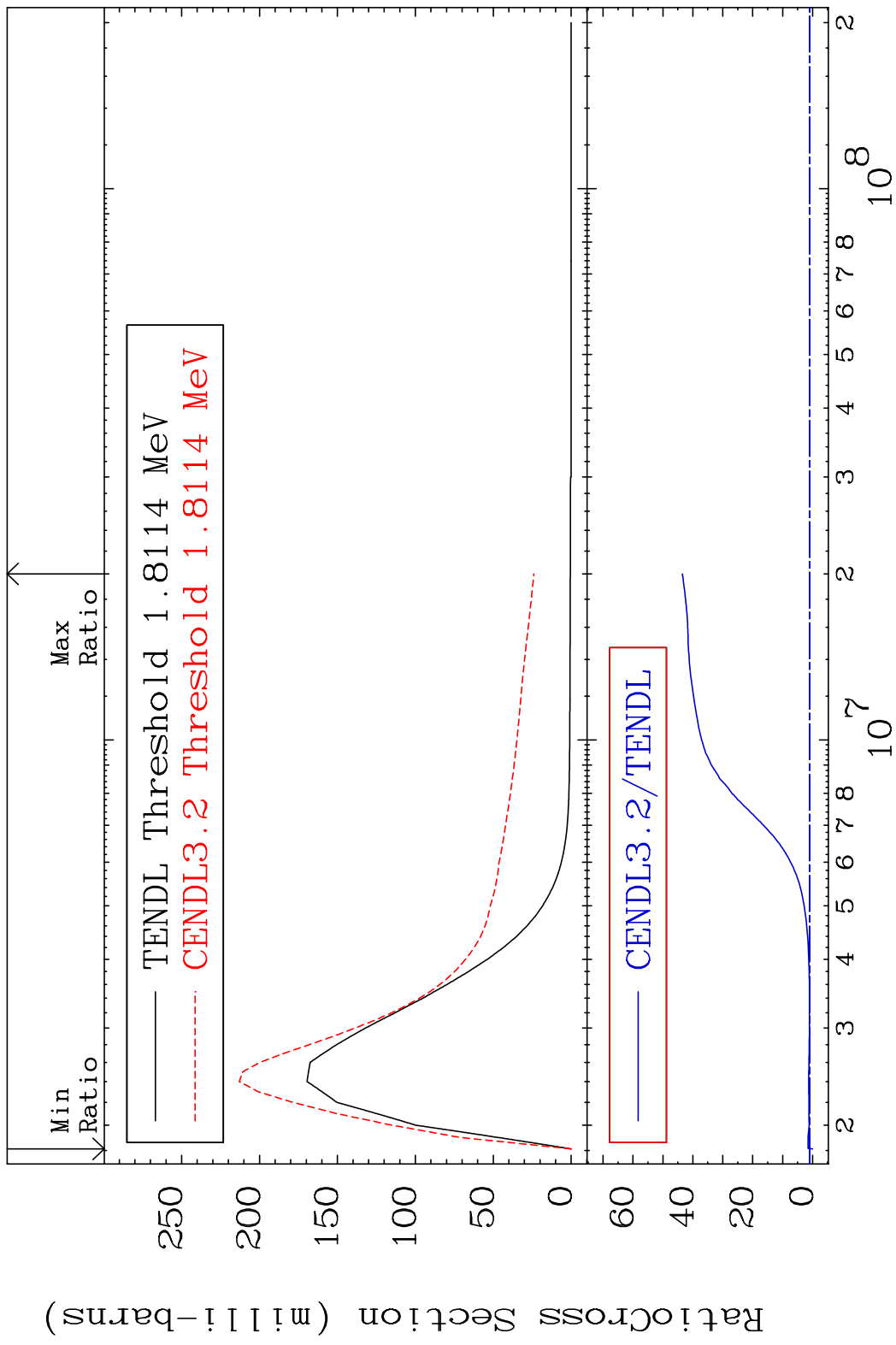


10 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 55 (n, n') Level 34-Se-76
 Cross Section 10.15 To 9999. %



MAT 3431 MT= 56 (n, n') Level 34-Se-76
 Cross Section -100.0 To 4250. %

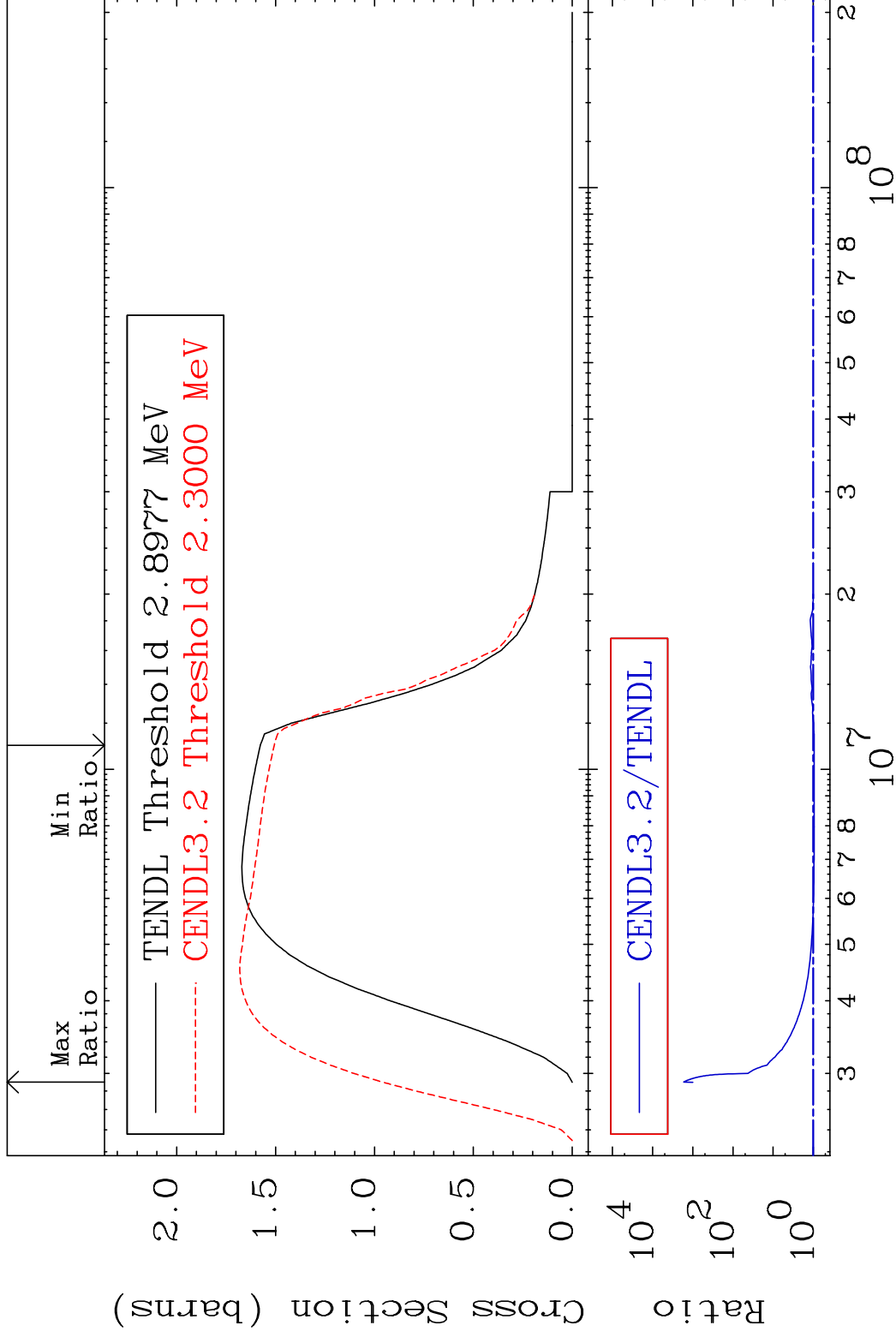


MAT 3431

(n,n') Continuum

34-Se-76

Cross Section -4.461 To 9999. %



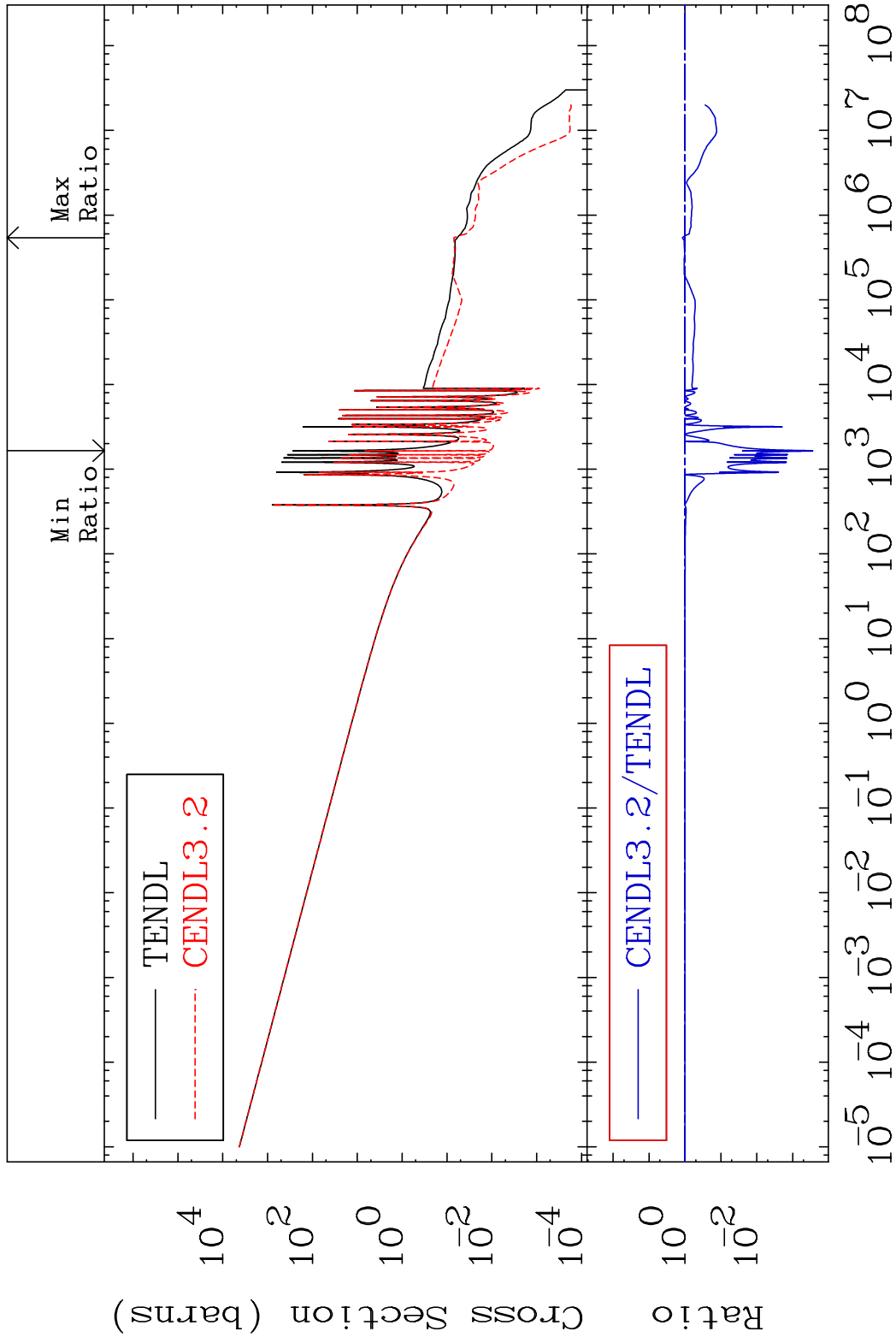
13

Incident Energy (eV)

34-Se-76

MAT 3431

(n, γ)
Cross Section -99.97 To 18.25 %
34-Se-76



14

Incident Energy (eV)

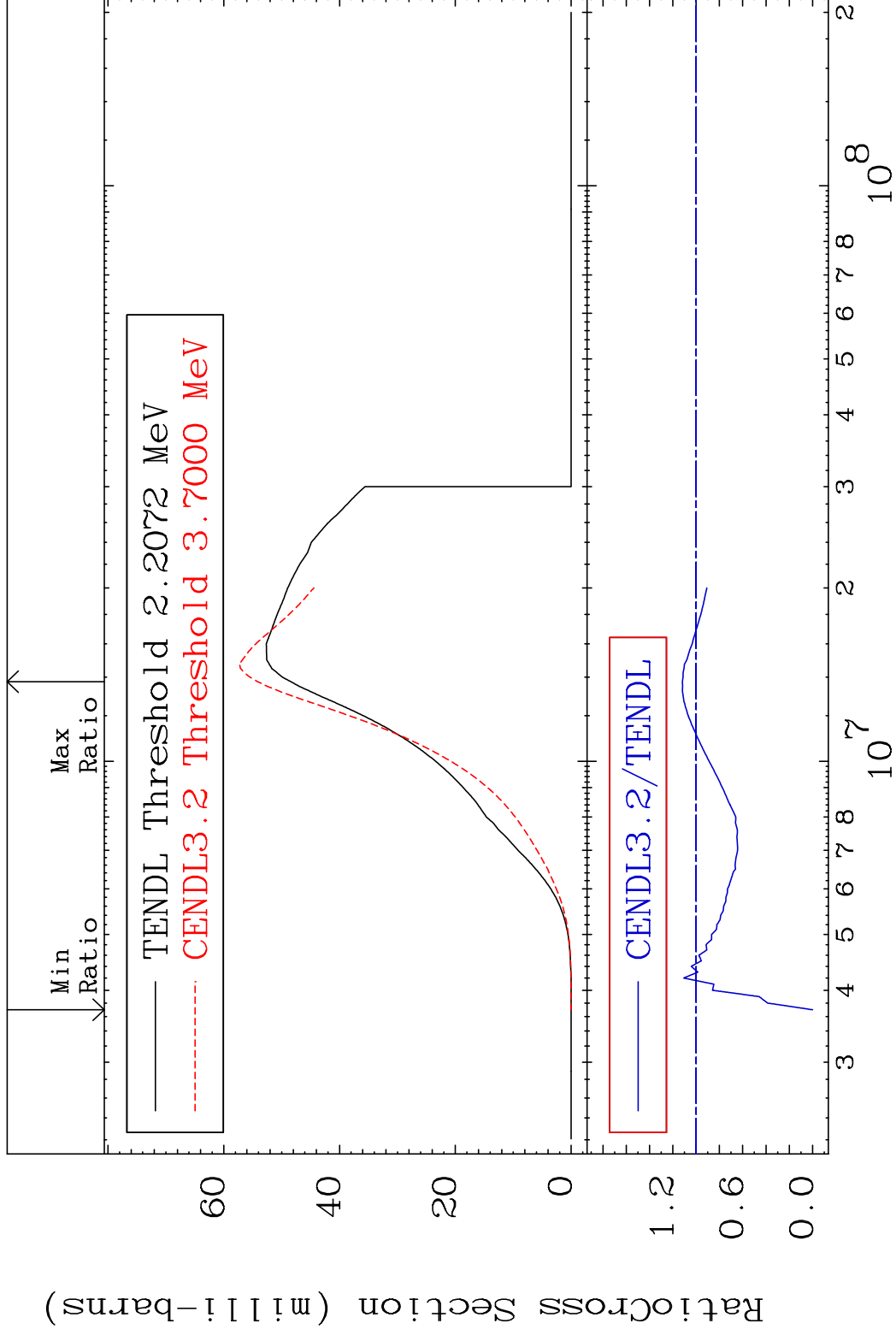
34-Se-76

MAT 3431

(n,p)

³⁴Se-76

Cross Section -100.0 To 11.80 %



15

Incident Energy (eV)

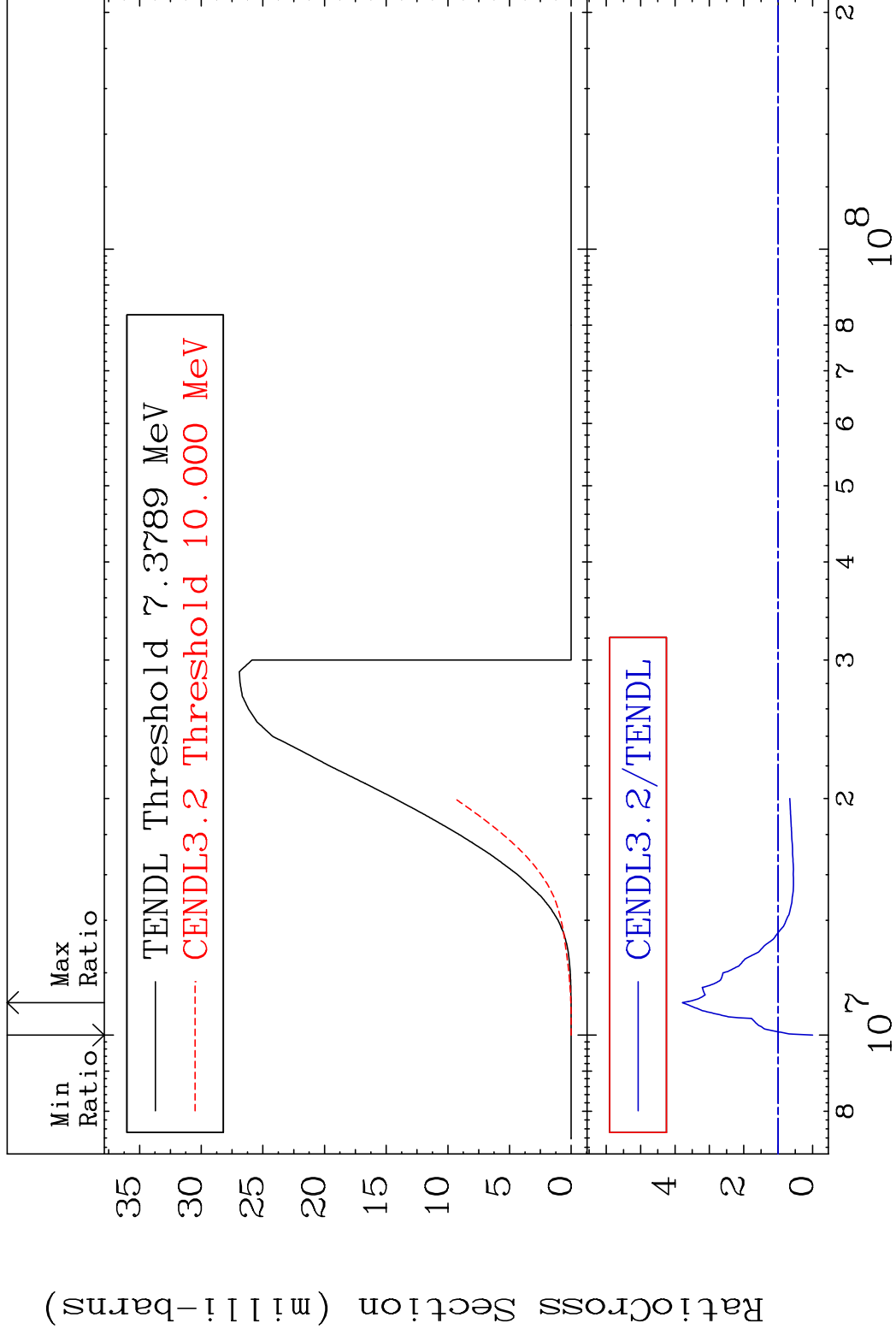
³⁴Se-76

MAT 3431

(n,d)

³⁴Se-76

Cross Section -100.0 To 278.7 %



16

Incident Energy (eV)

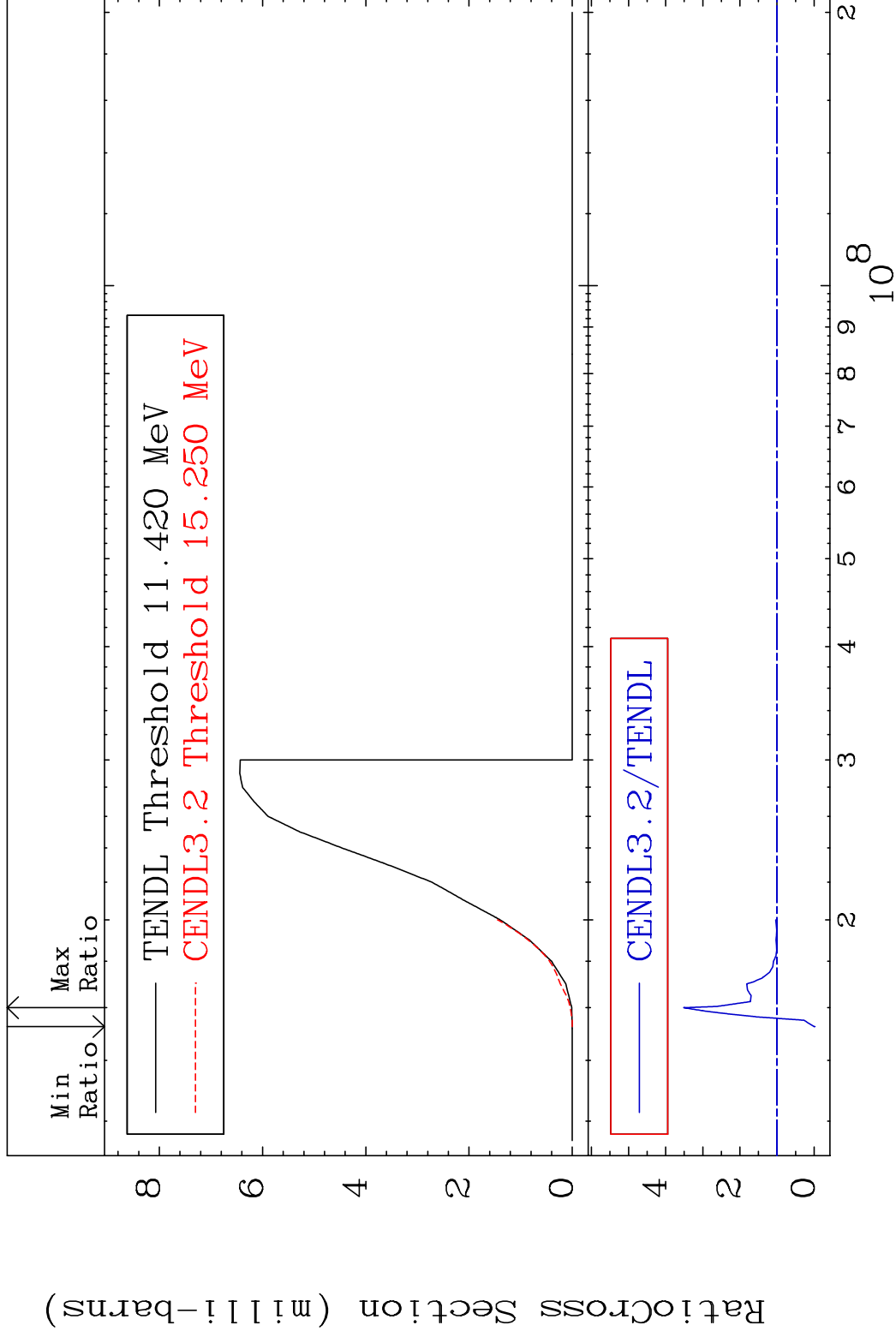
³⁴Se-76

MAT 3431

(n, t)

³⁴Se-76

Cross Section -100.0 To 251.5 %



17

Incident Energy (eV)

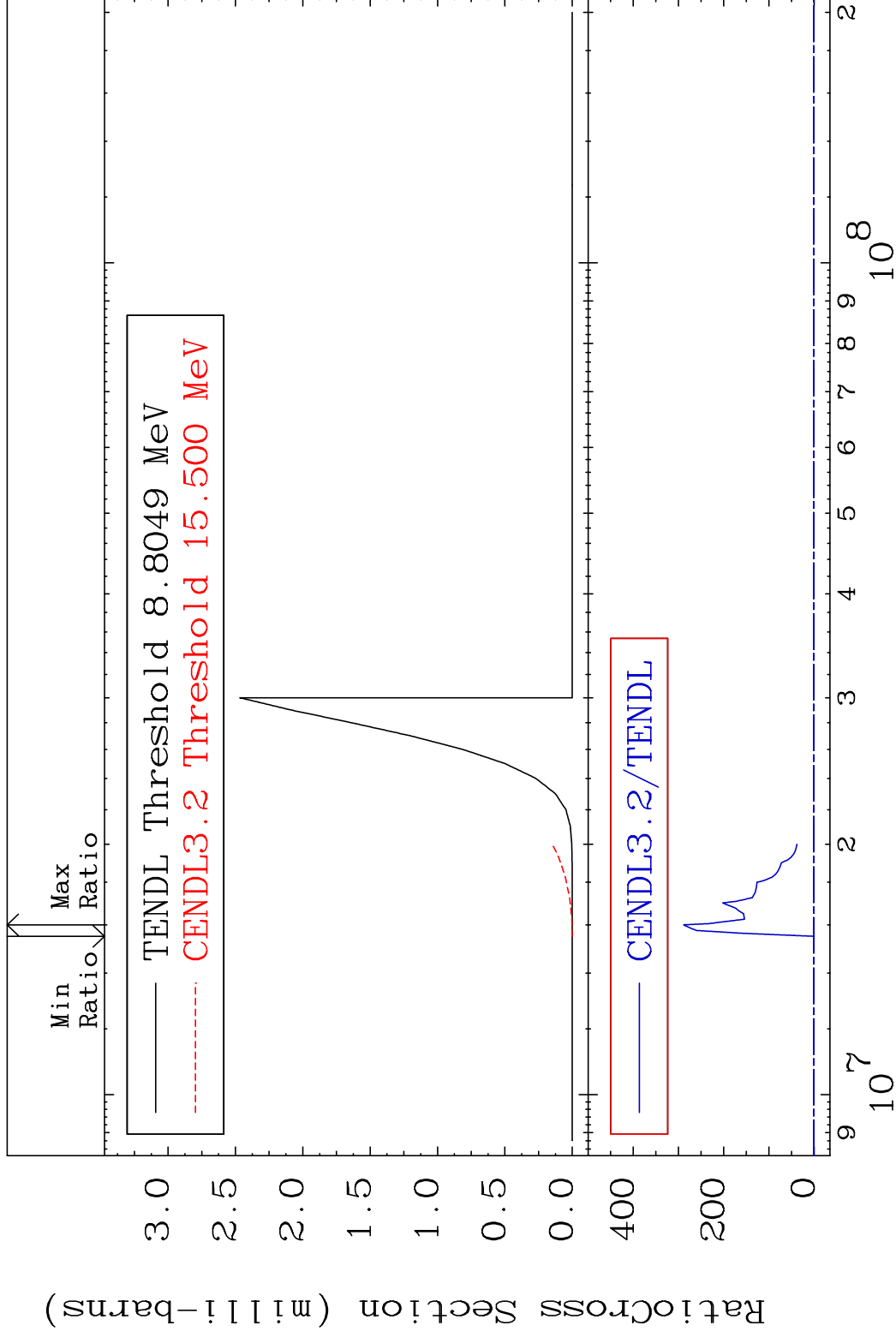
³⁴Se-76

MAT 3431

(n, He-3)

³⁴Se-76

Cross Section -100.0 To 9999. %



18

Incident Energy (eV)

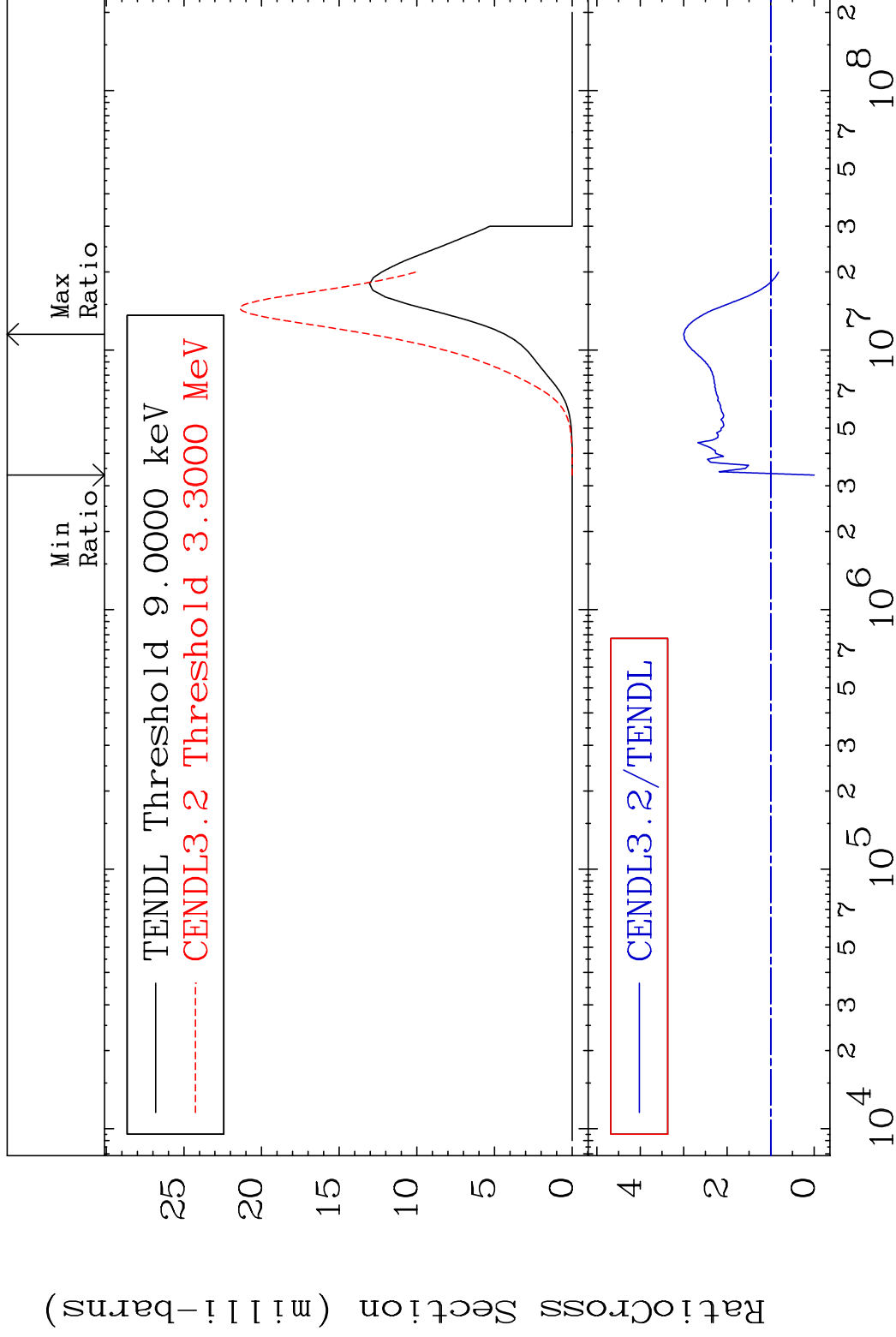
³⁴Se-76

MAT 3431

$^{34}\text{Se-76}$

(n, α)

Cross Section -100.0 To 200.3 %



19

Incident Energy (eV)

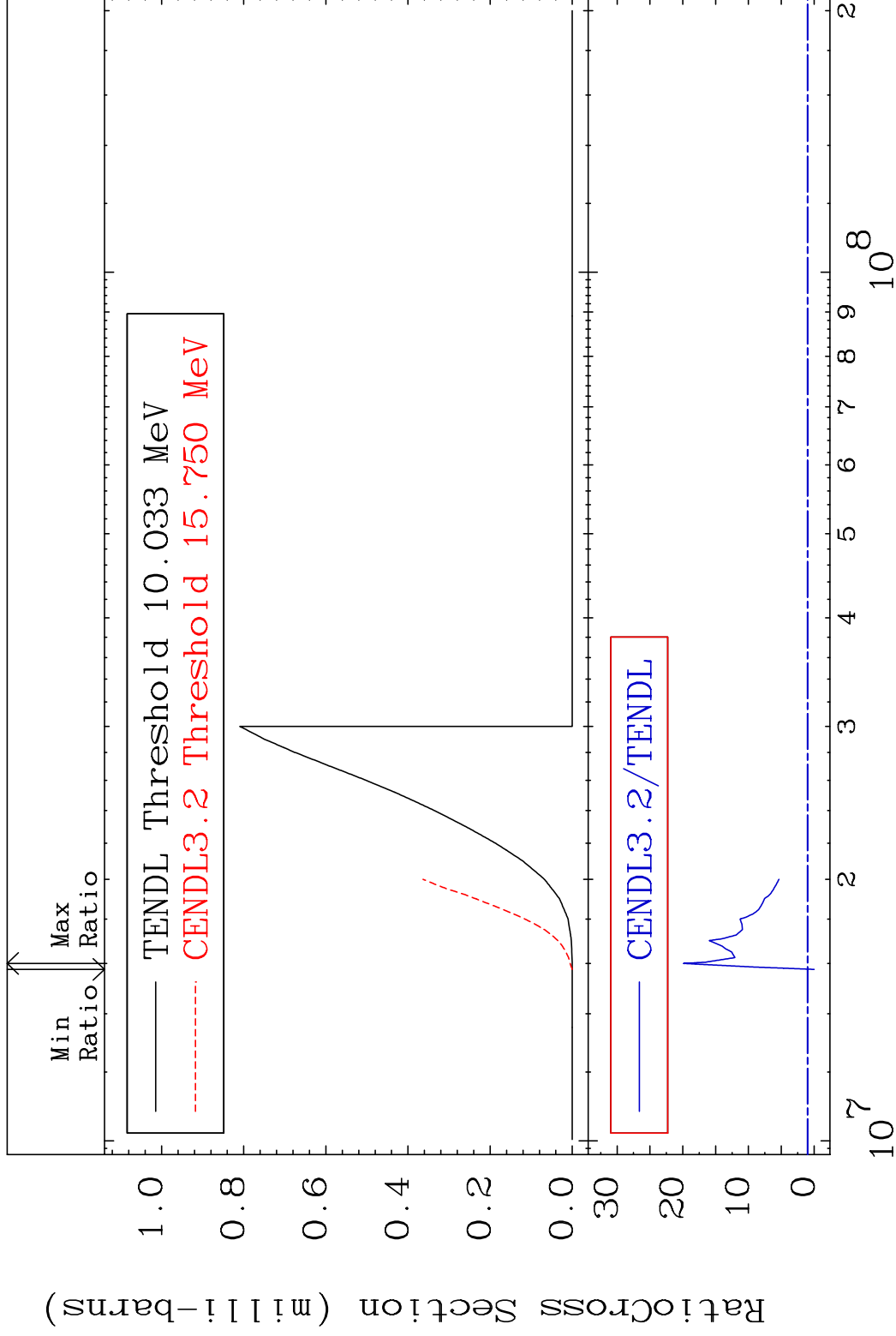
$^{34}\text{Se-76}$

MAT 3431

(n,2p)

³⁴Se-76

Cross Section -100.0 To 1887. %



20

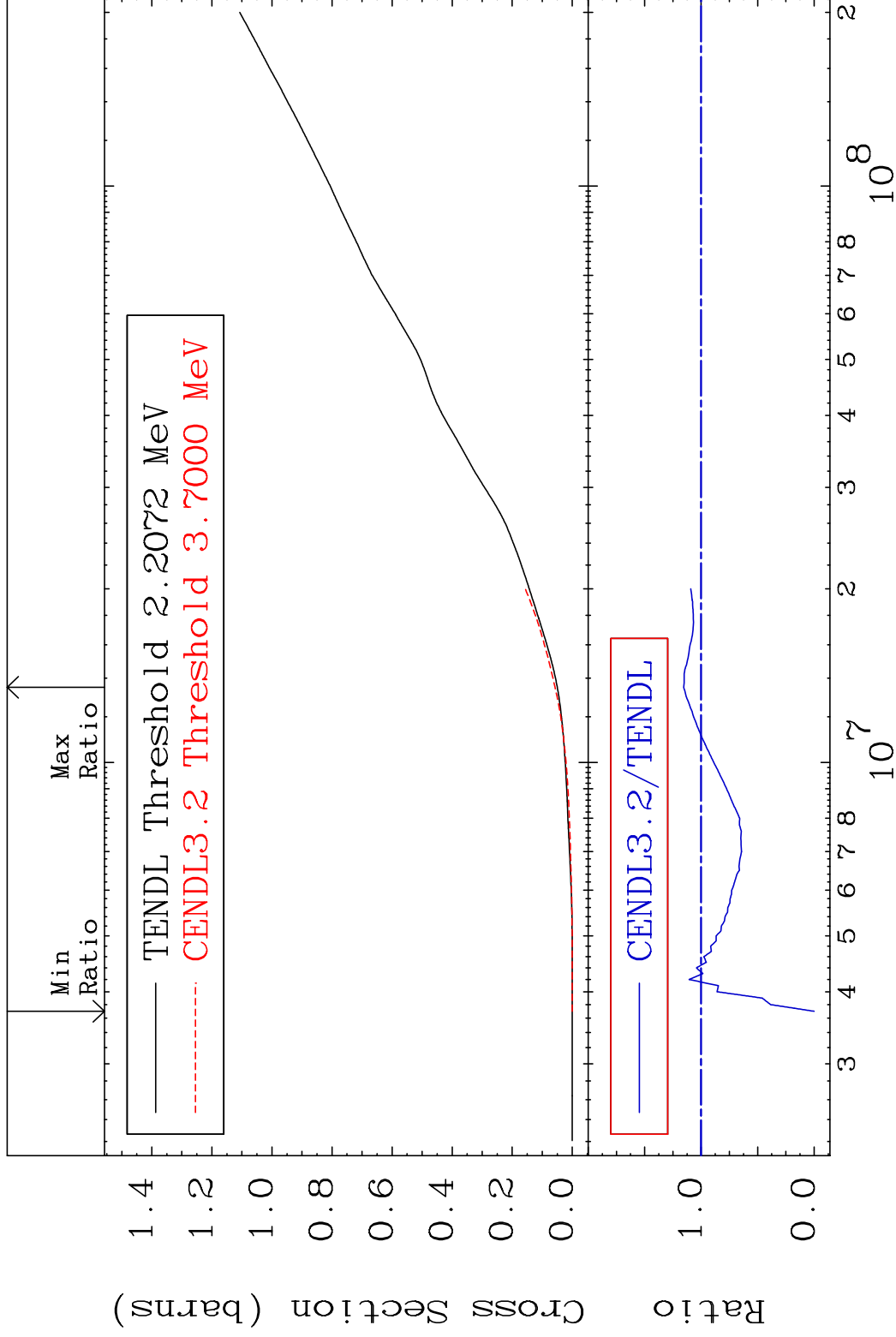
Incident Energy (eV)

³⁴Se-76

MAT 3431

Hydrogen Production
Cross Section -100.0 To 15.49 %

³⁴Se-76



21

Incident Energy (eV)

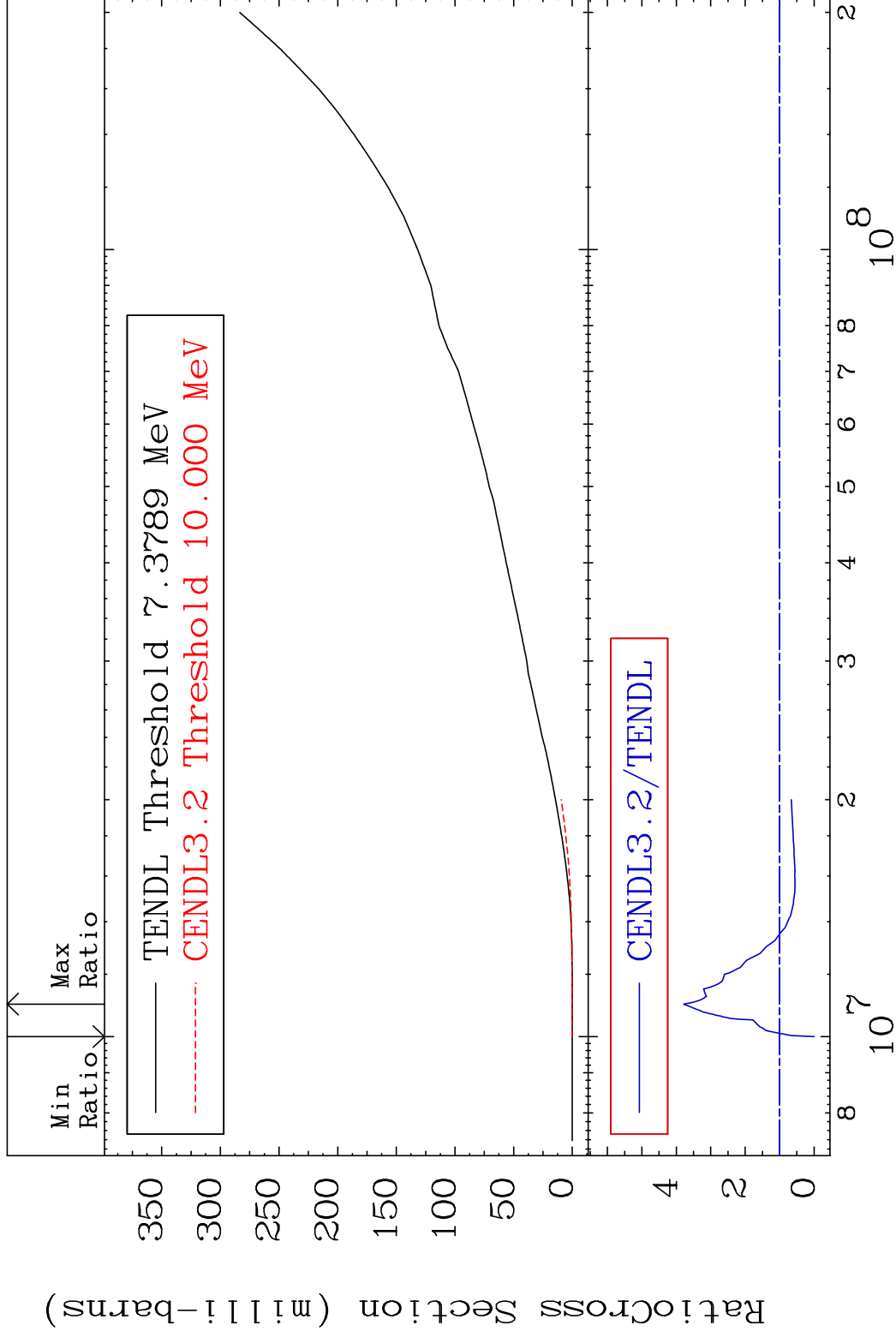
³⁴Se-76

MAT 3431

Deuterium Production

³⁴Se-76

Cross Section -100.0 To 278.7 %



22

Incident Energy (eV)

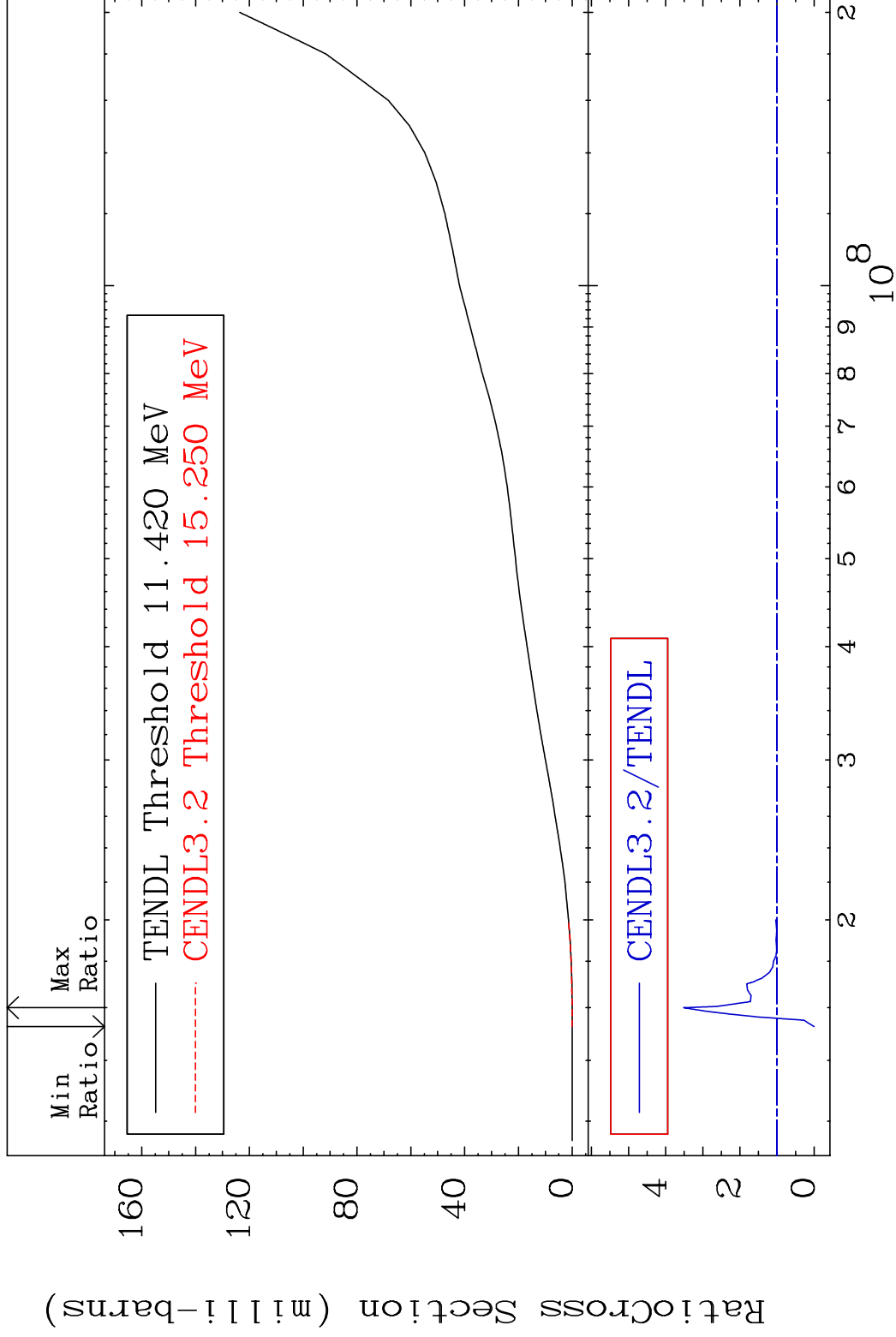
³⁴Se-76

MAT 3431

Tritium Production

³⁴Se-76

Cross Section -100.0 To 251.5 %

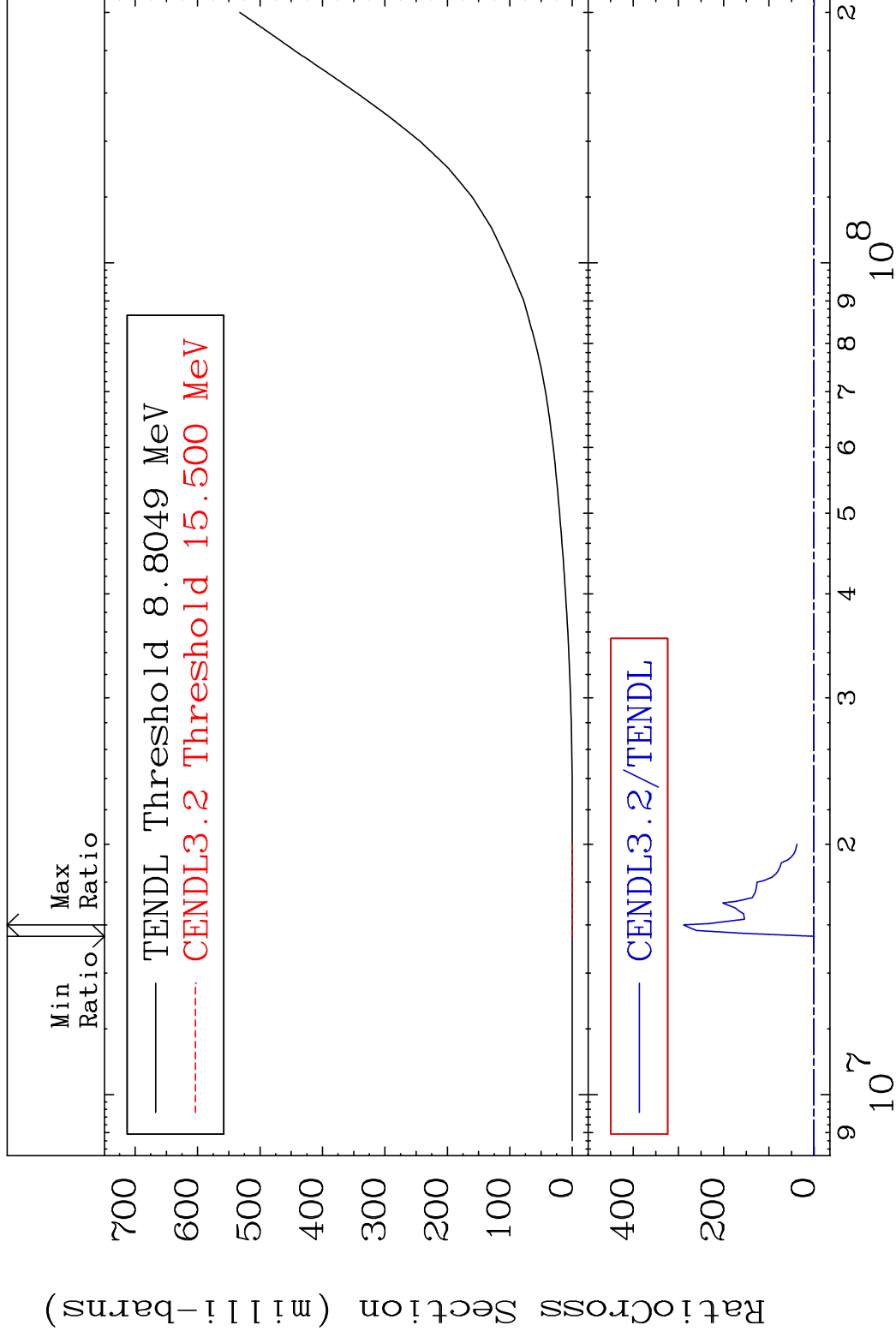


MAT 3431

He-3 Production

34-Se-76

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

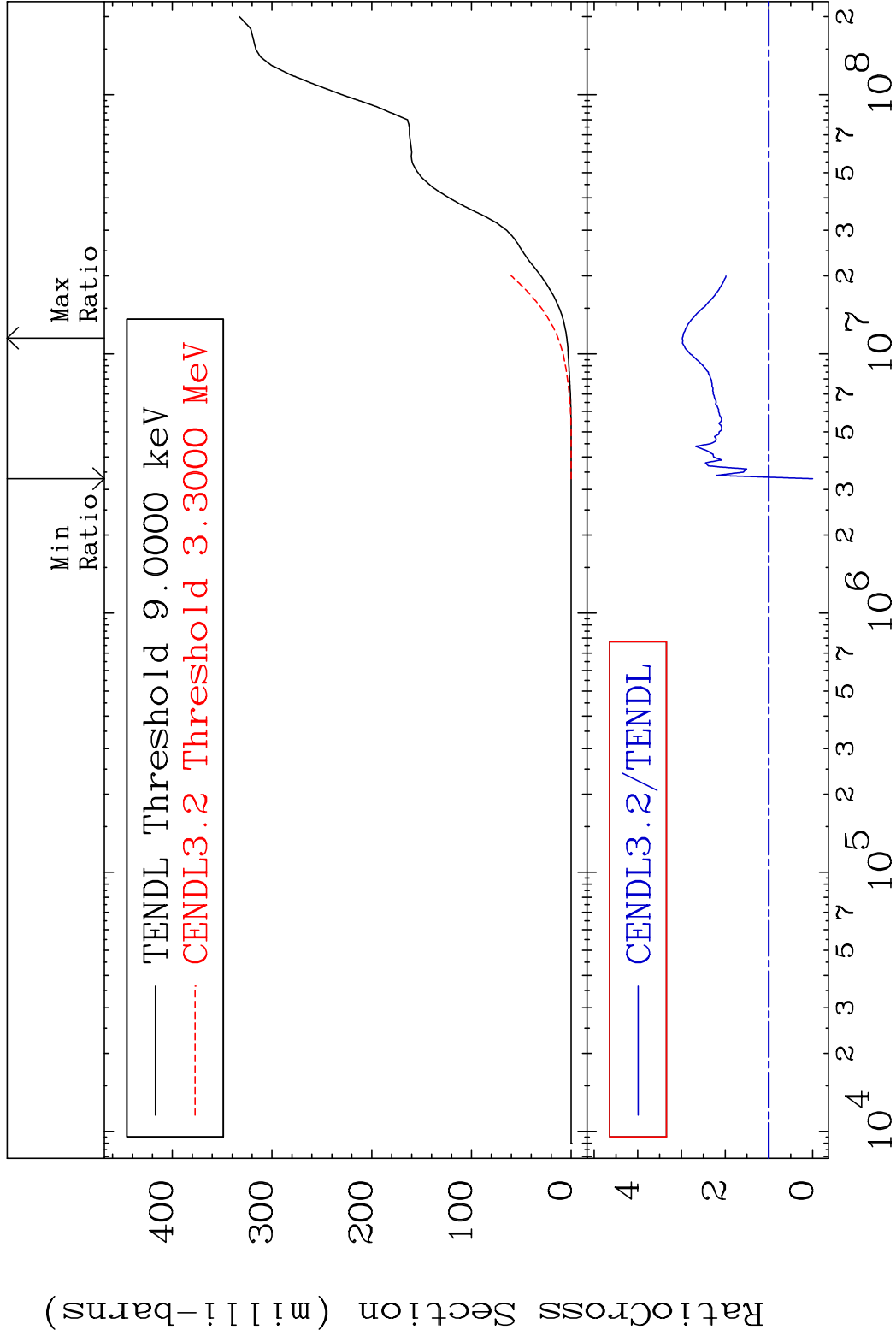
34-Se-76

MAT 3431

He-4 Production

³⁴Se-76

Cross Section -100.0 To 198.0 %

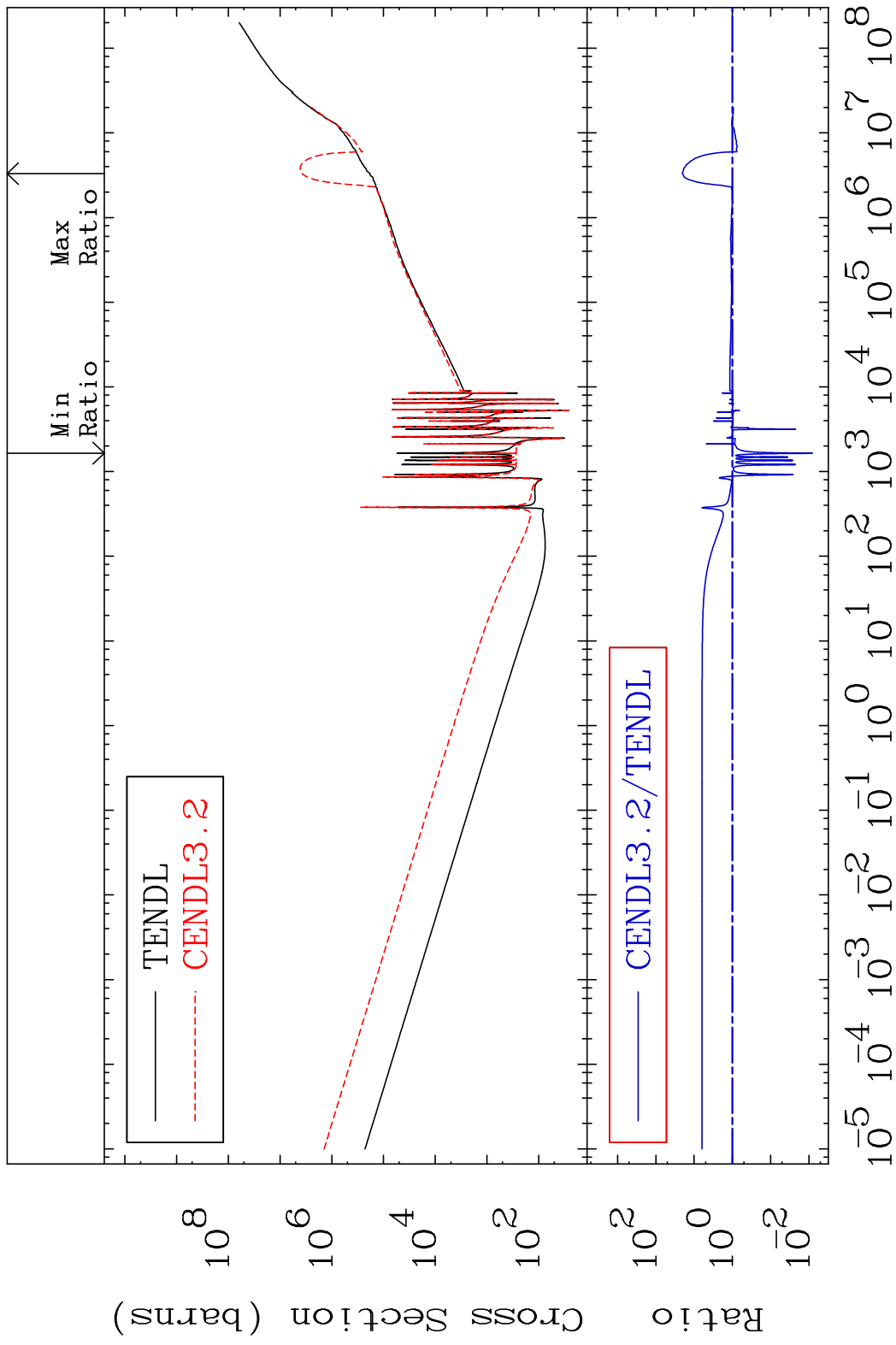


25

Incident Energy (eV)

³⁴Se-76

MAT 3431 Kerma total (eV-barns) 34-Se-76
 Cross Section -99.20 To 1925. %

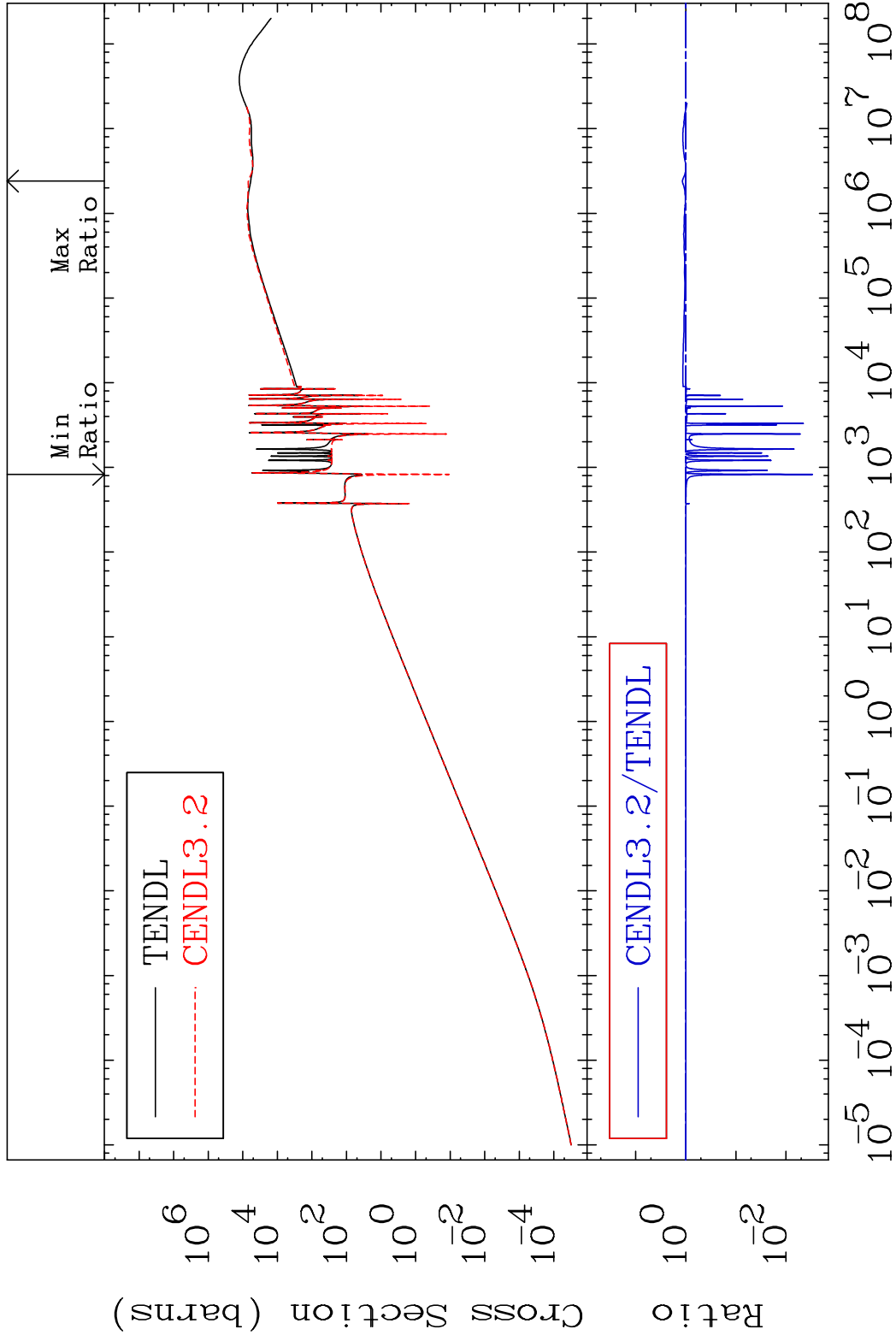


MAT 3431

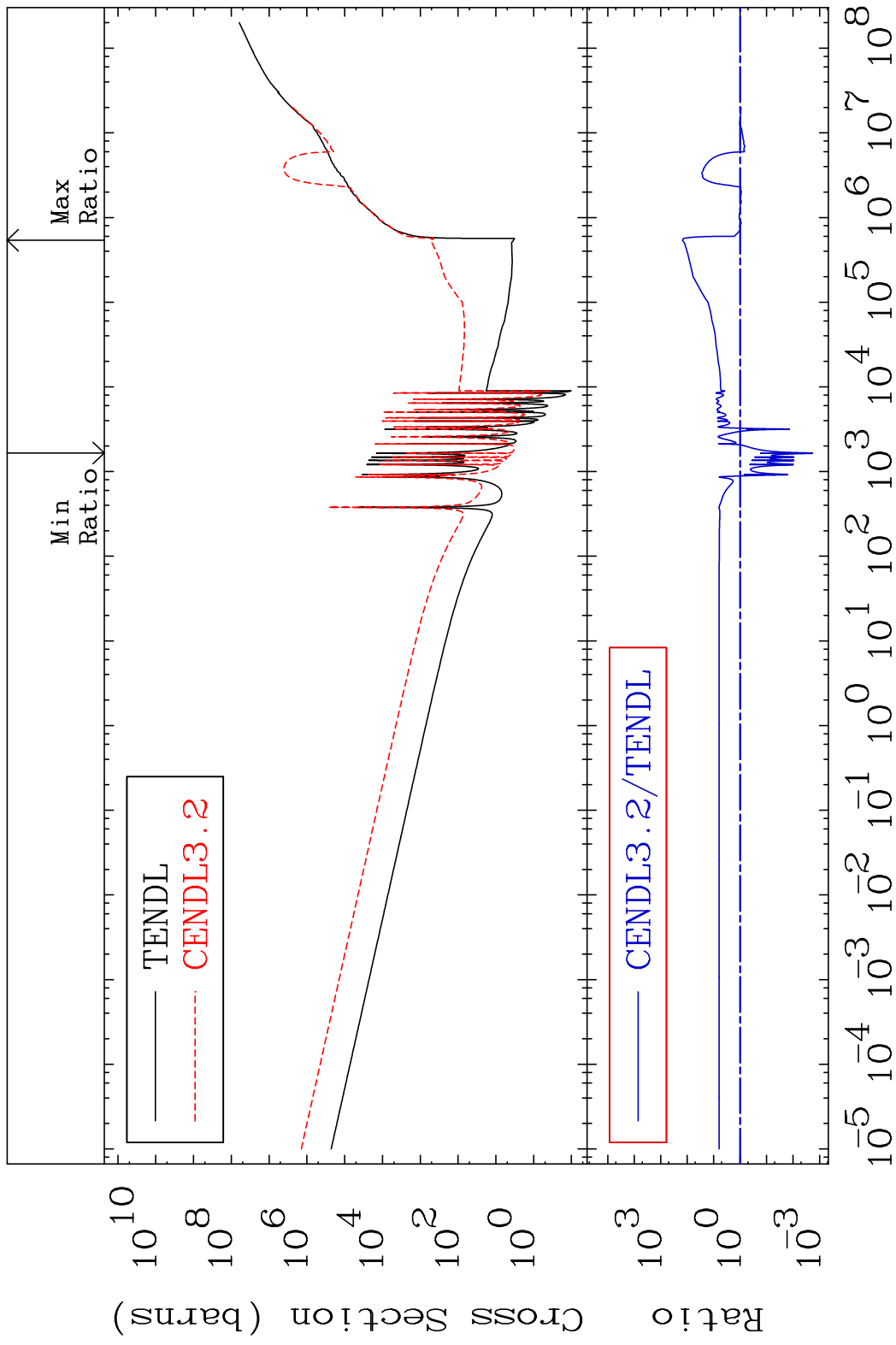
Kerma elastic
Cross Section

34-Se-76

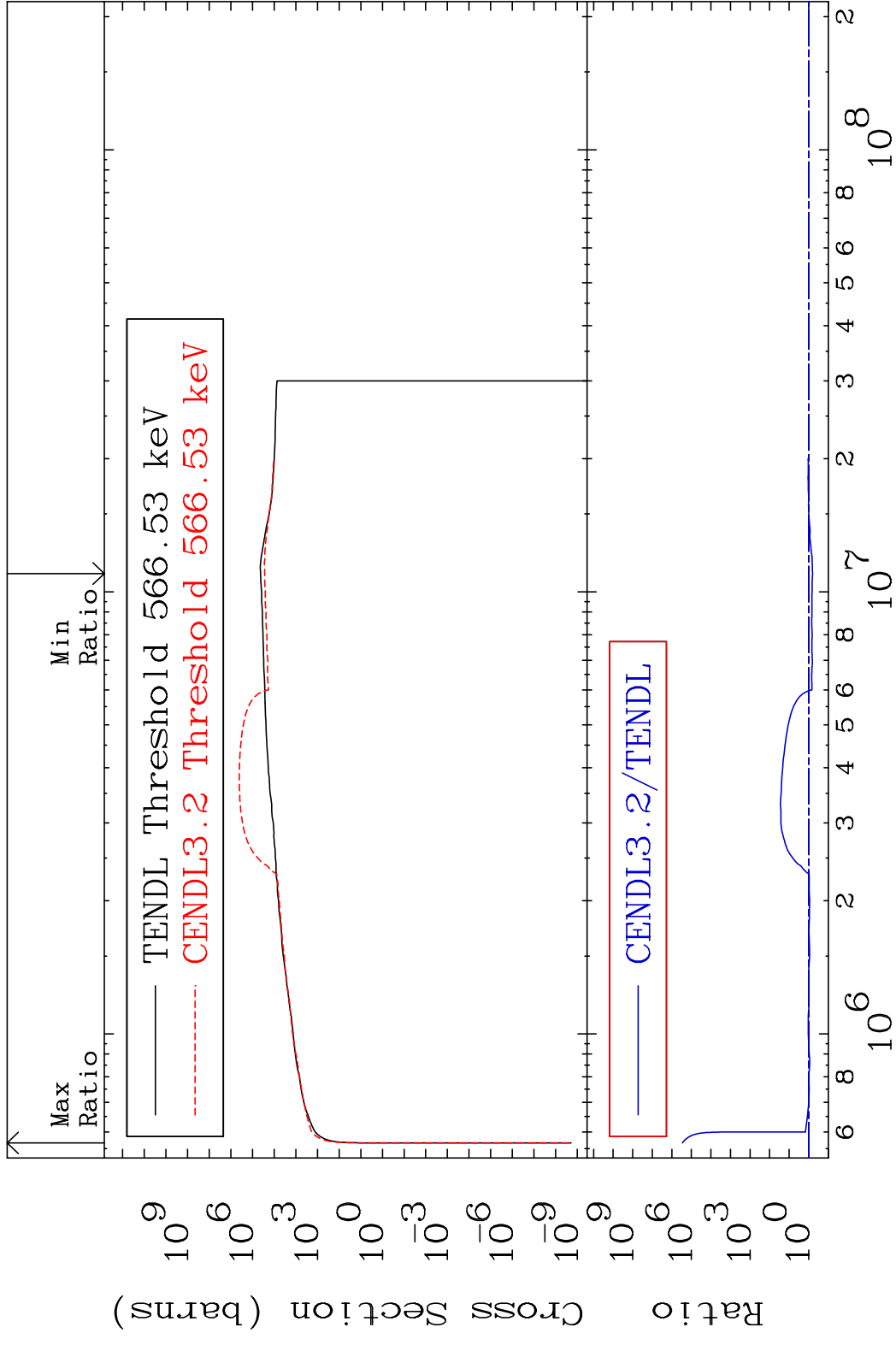
-99.70 To 17.32 %



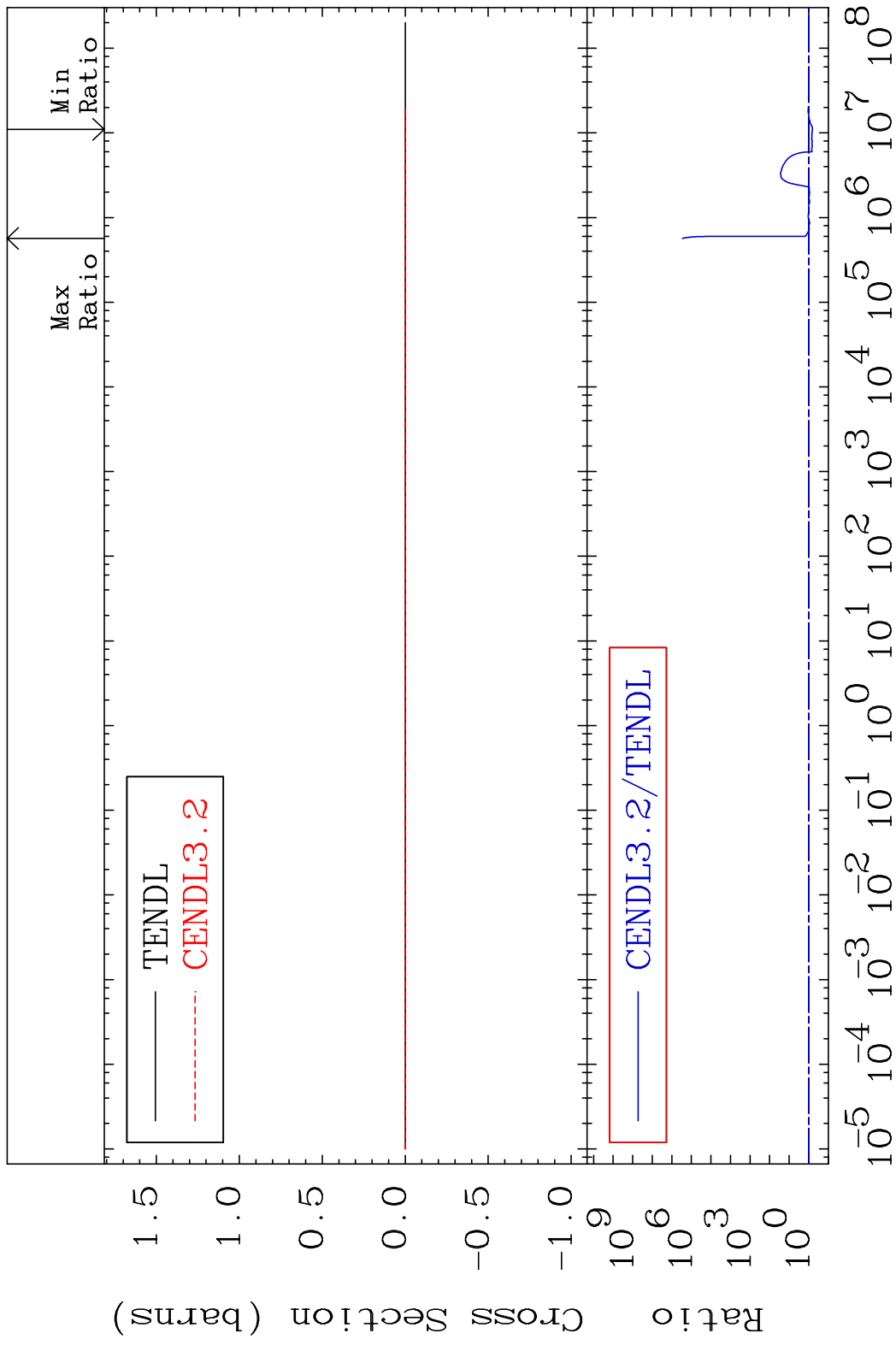
MAT 3431 Kerma non-elastic (all but mt2) 34-Se-76
 Cross Section -99.82 To 9999. %



MAT 3431 Kerma inelastic (mt51-91) 34-Se-76
 Cross Section -36.56 To 9999. %



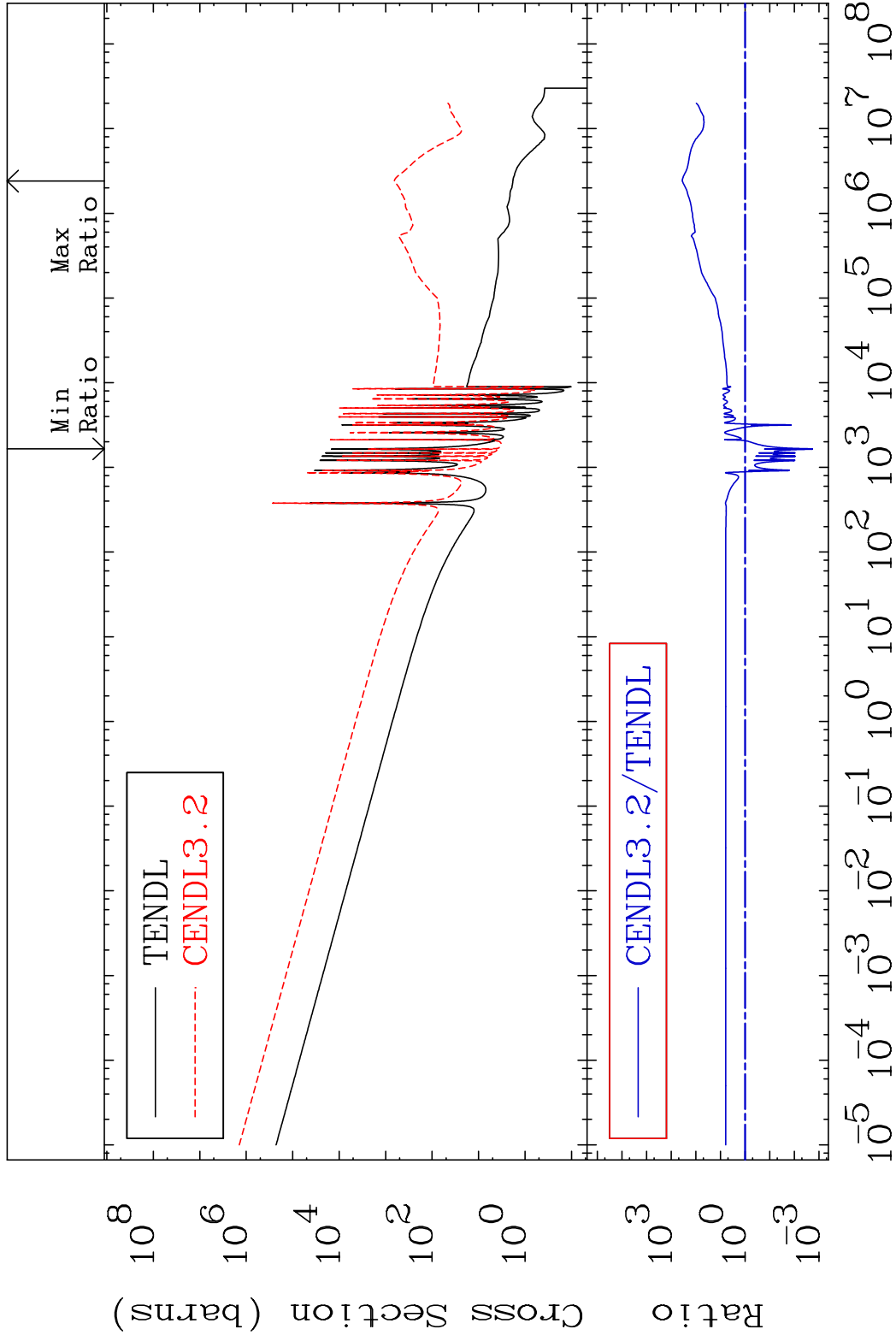
MAT 3431 Kerma fission (mt18 or mt19-20-21-38) 34-^{Se}-76
 Cross Section -36.56 To 9999. %



MAT 3431

Kerma capture (mt102) 34-Se-76

Cross Section -99.82 To 9999. %

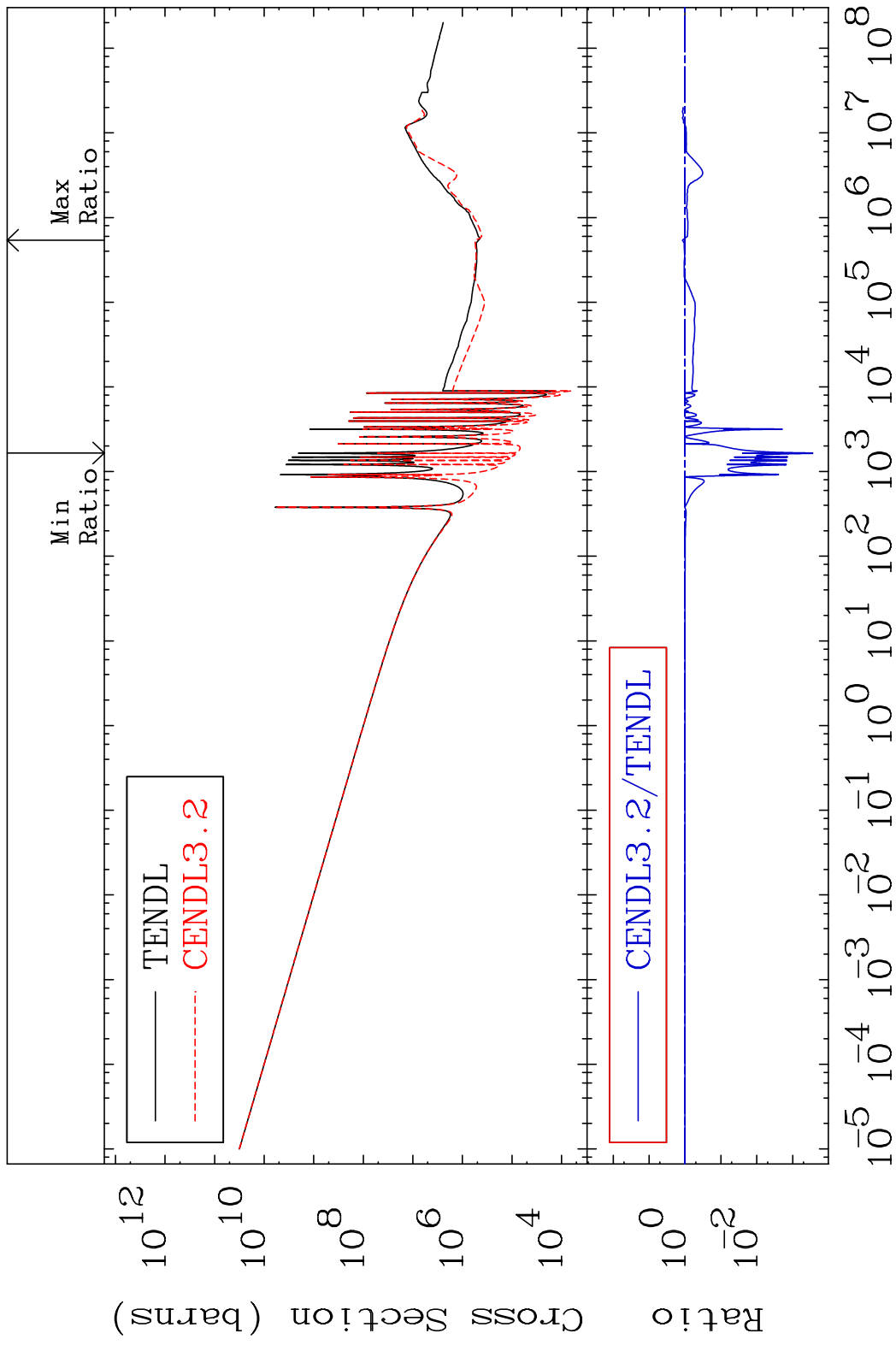


31

Incident Energy (eV)

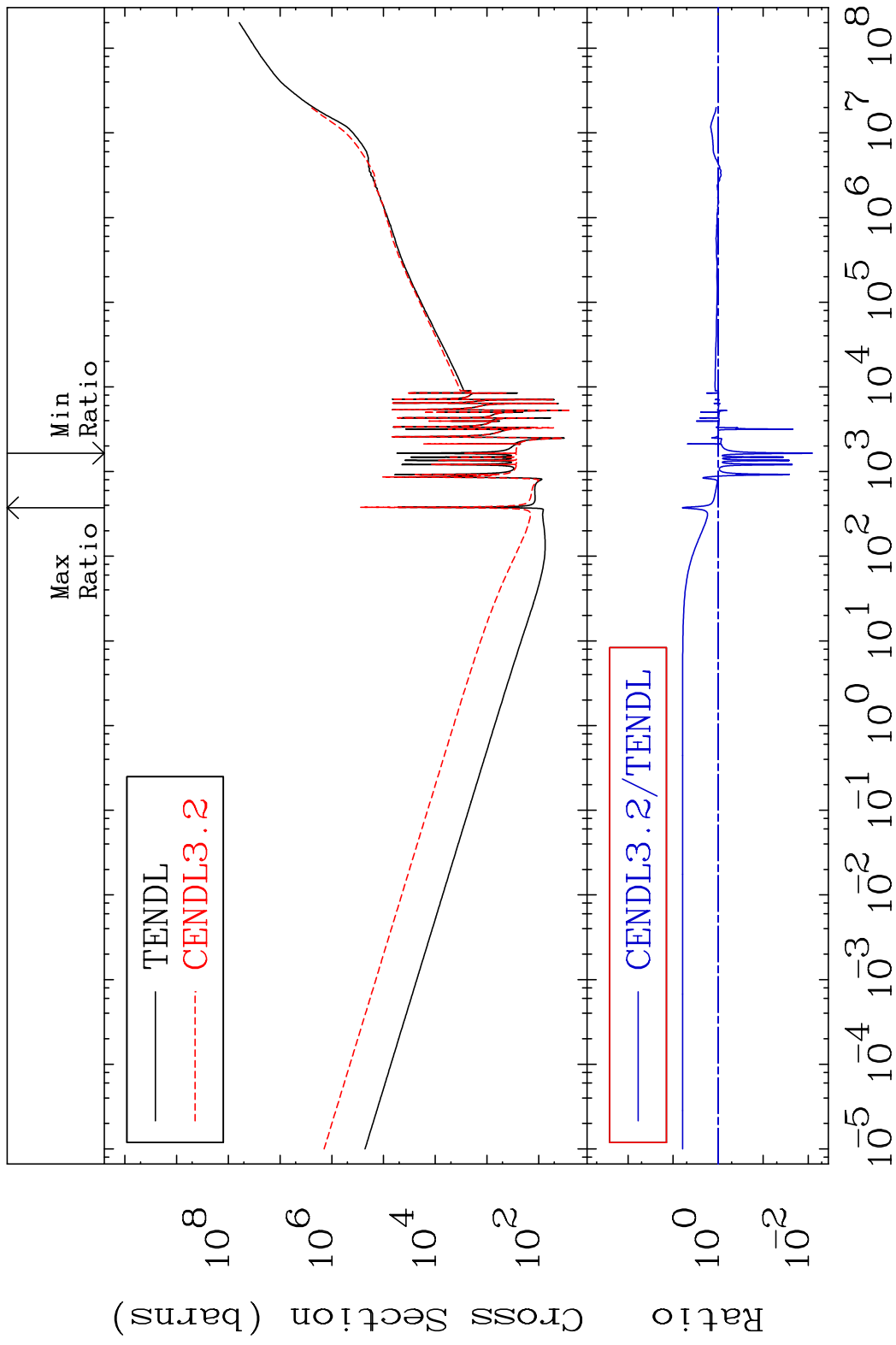
34-Se-76

MAT 3431 Total photon (eV-barns) 34-Se-76
 Cross Section -99.97 To 18.37 %



32 Incident Energy (eV) 34-Se-76

MAT 3431 Total kinematic kerma (high limit) 34-Se-76
 Cross Section -99.20 To 524.3 %

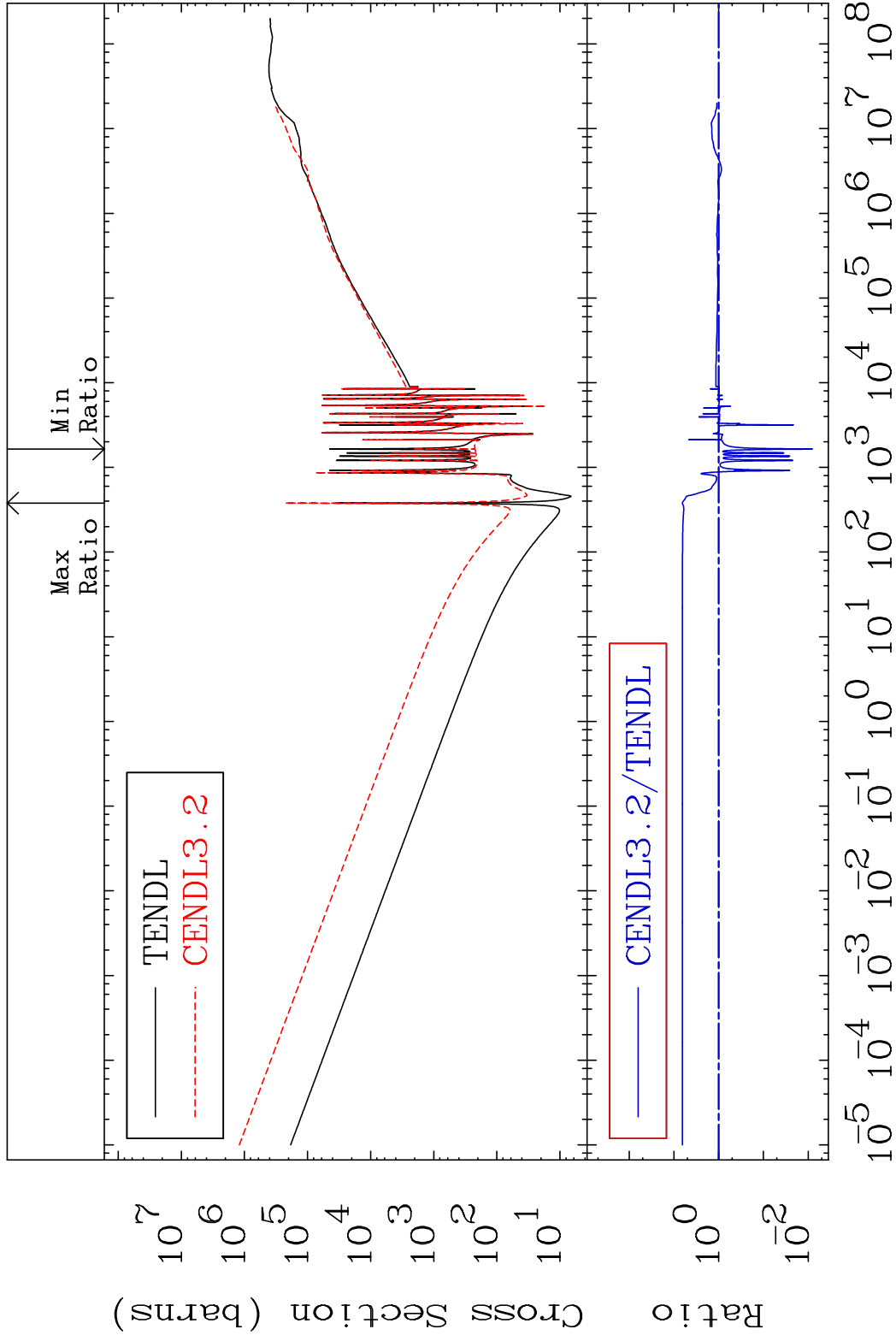


MAT 3431

Dpa total (eV-barns)

34-Se-76

Cross Section -99.20 To 551.2 %



34

Incident Energy (eV)

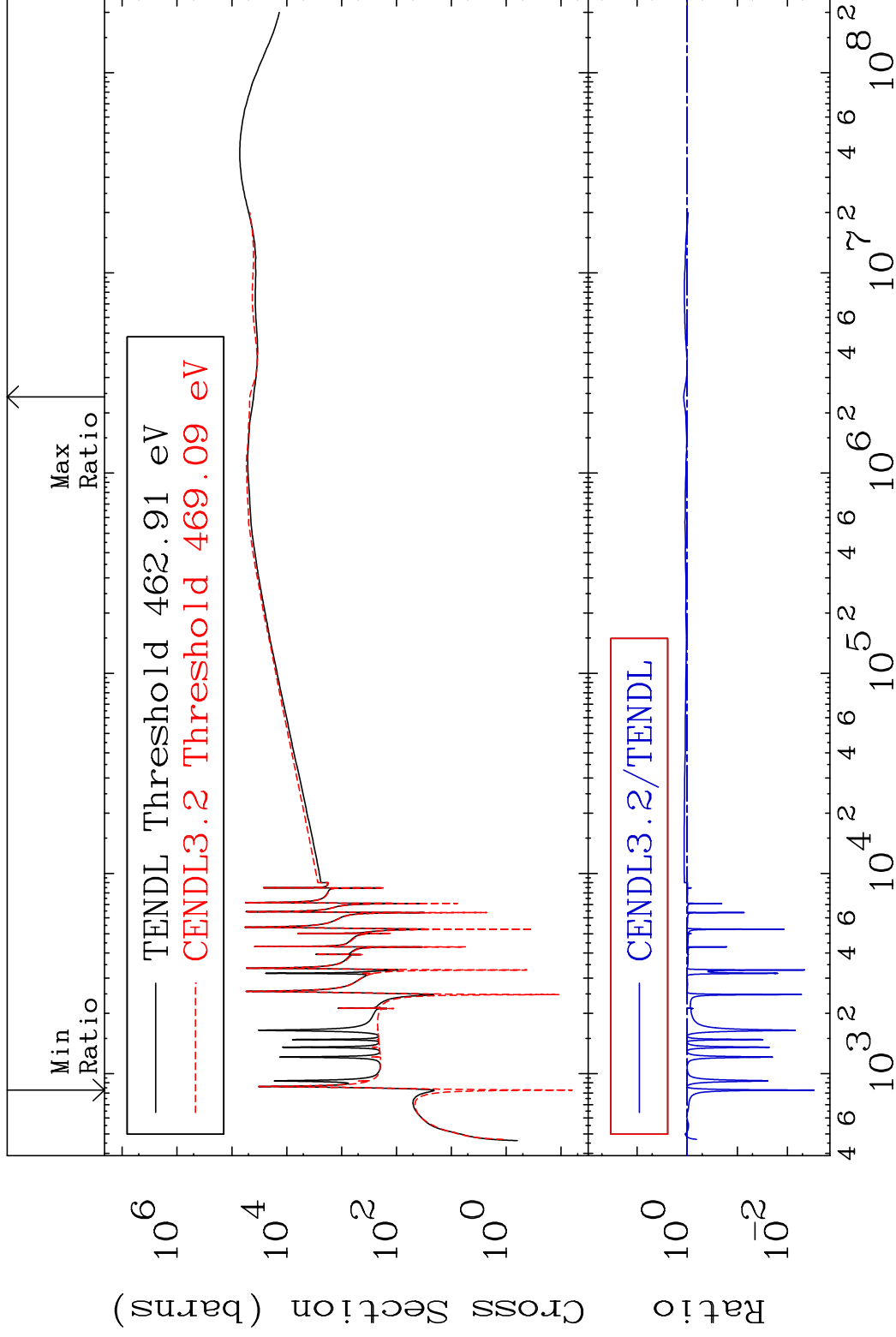
34-Se-76

MAT 3431

Dpa elastic (mt2)

34-Se-76

Cross Section -99.71 To 17.28 %

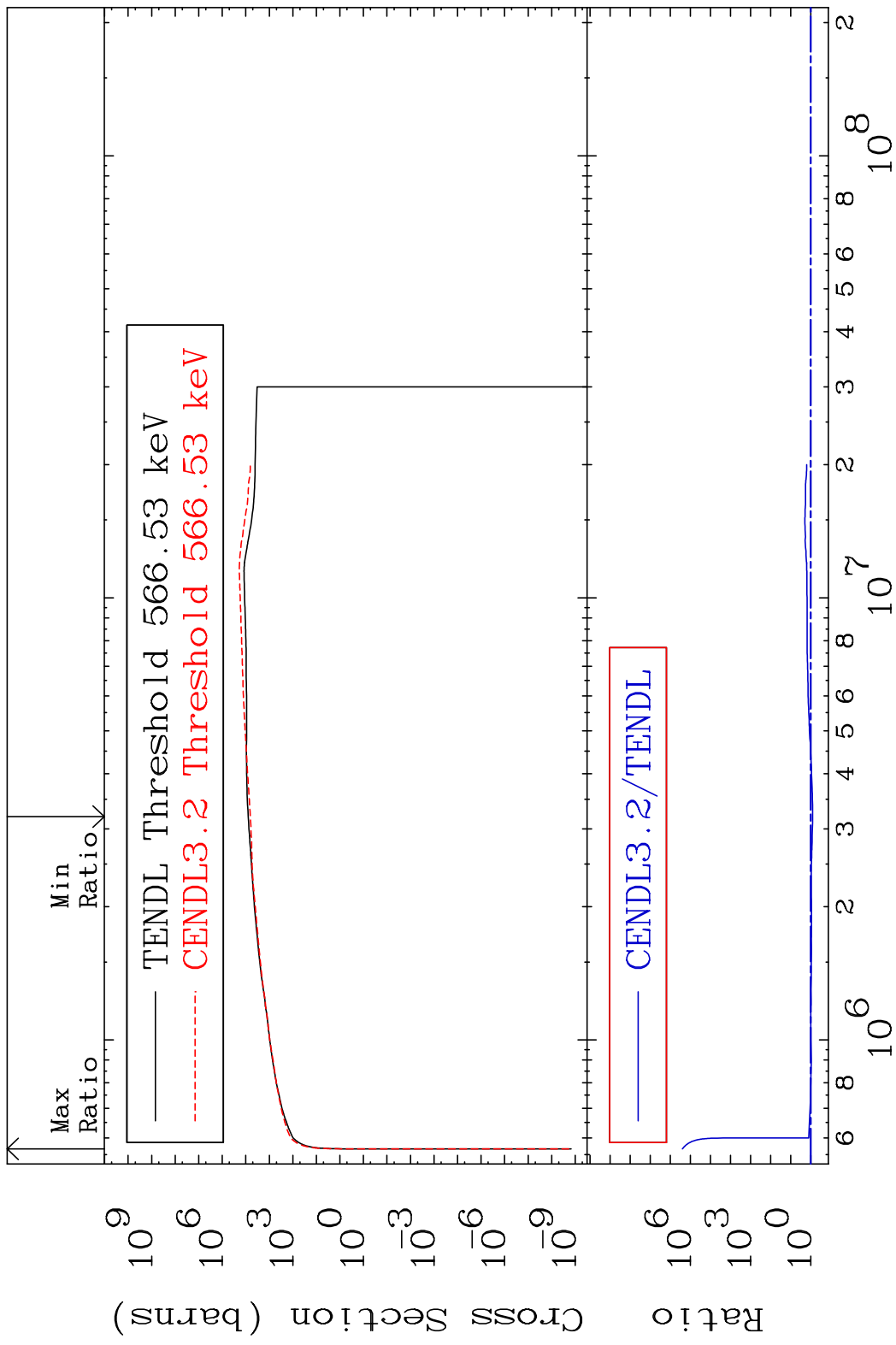


35

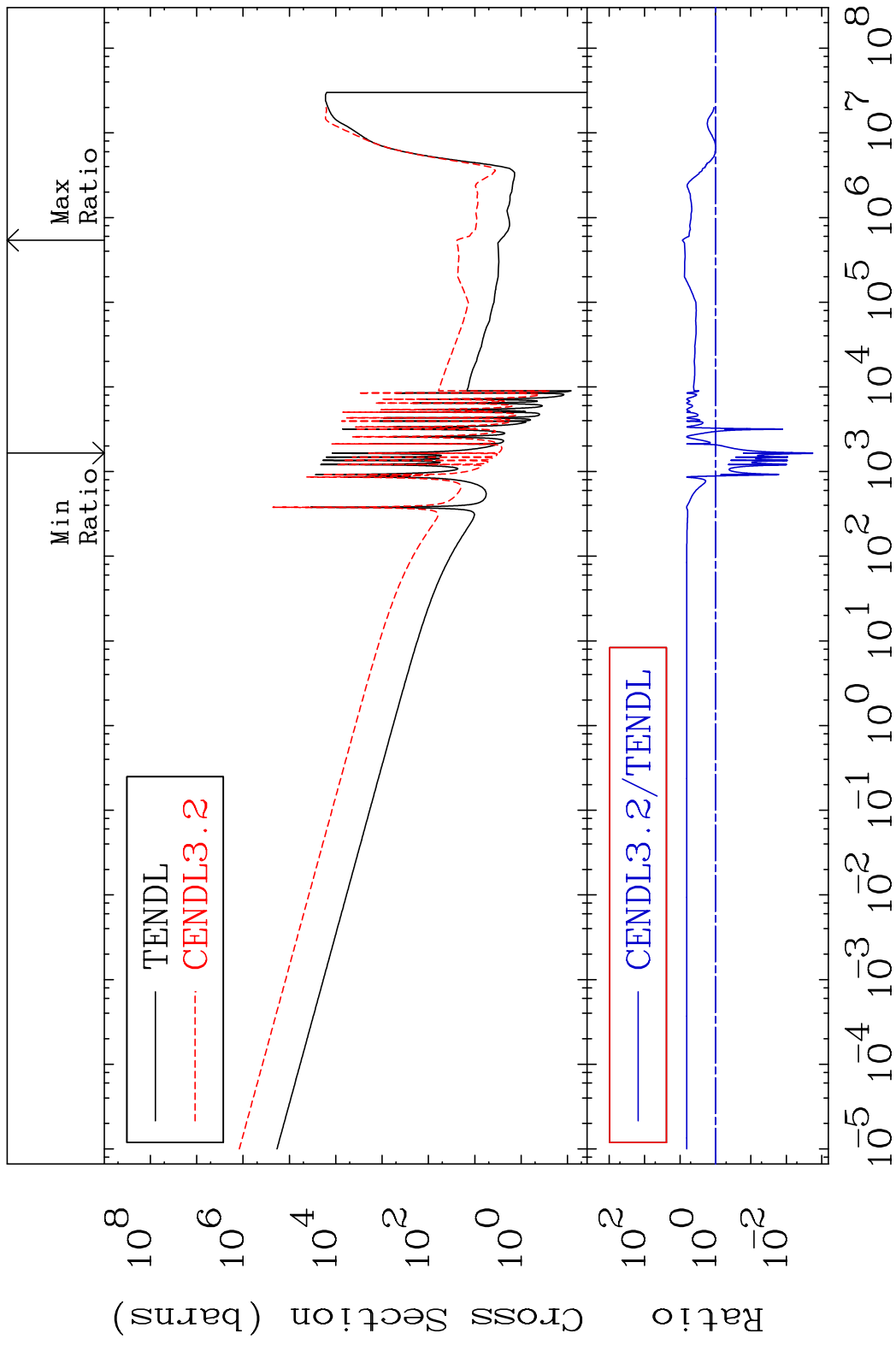
Incident Energy (eV)

34-Se-76

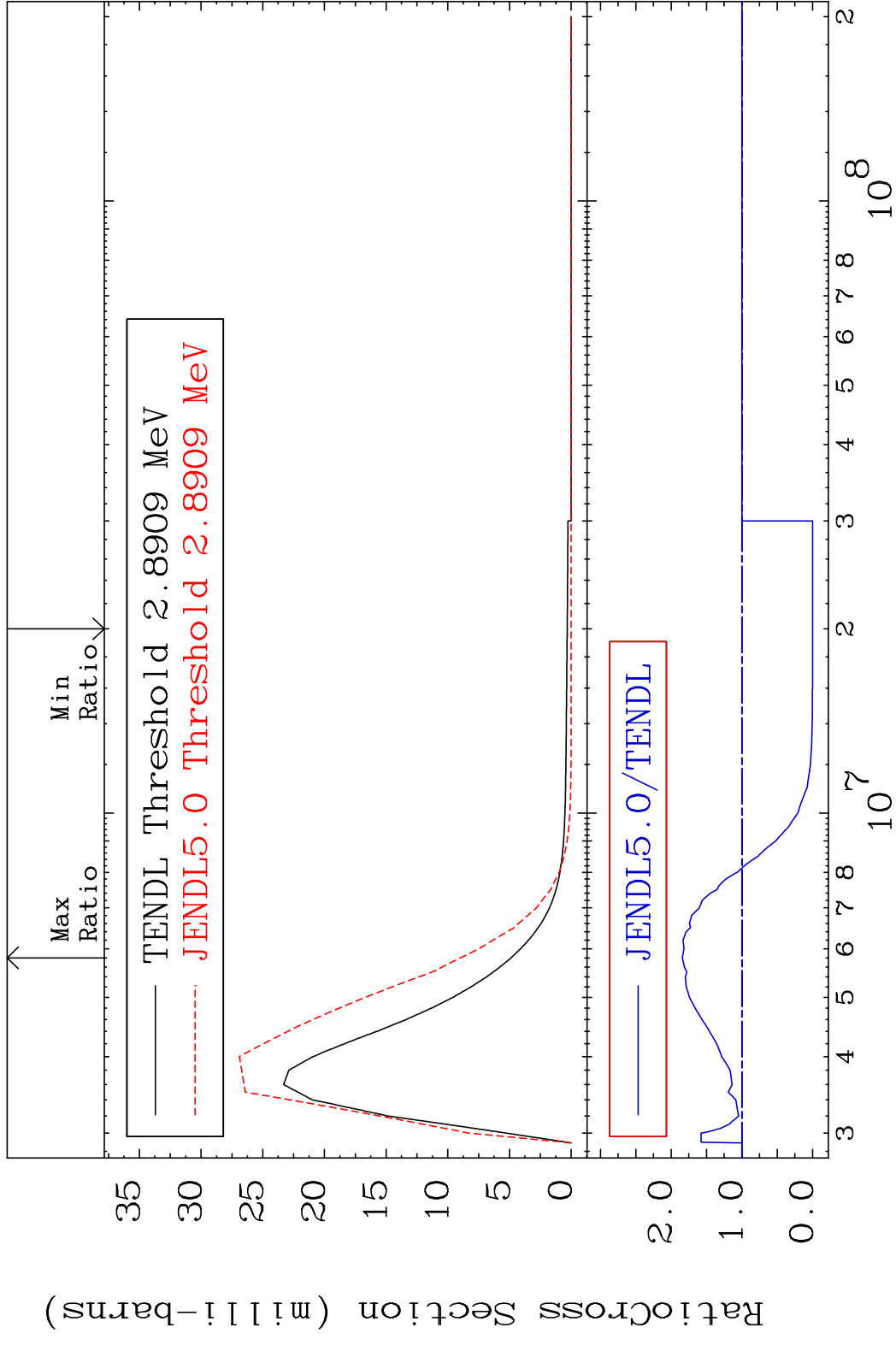
MAT 3431 Dpa inelastic (mt51-91) 34-Se-76
 Cross Section -18.52 To 9999. %



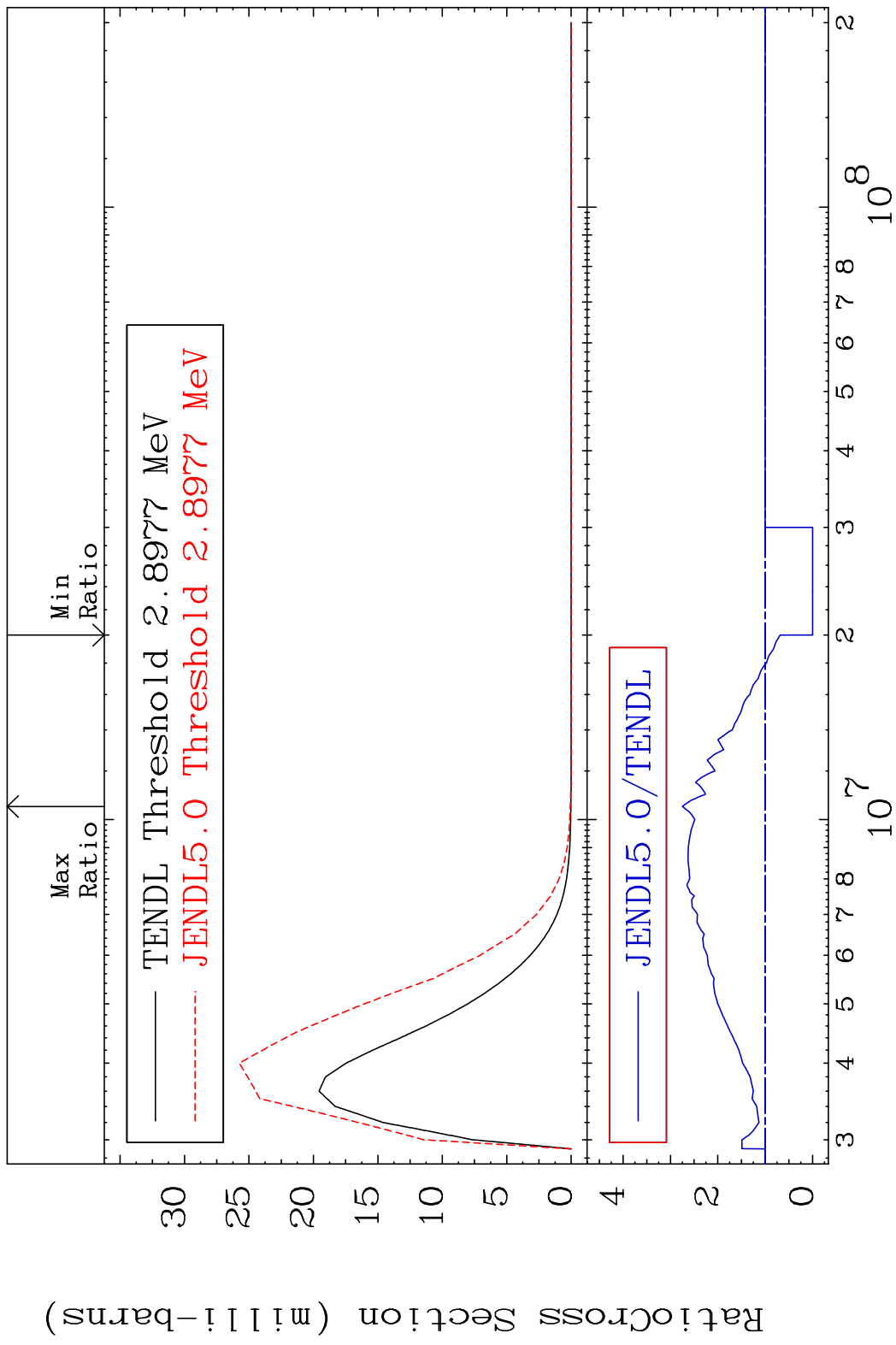
MAT 3431 Dpa disappearance (mt102 -120) 34-Se-76
 Cross Section -99.82 To 760.1 %



MAT 3431 MT= 79 (n,n') Level 34-Se-76
 Cross Section -100.0 To 84.18 %



MAT 3431 MT= 80 (n, n') Level 34-Se-76
 Cross Section -100.0 To 174.8 %

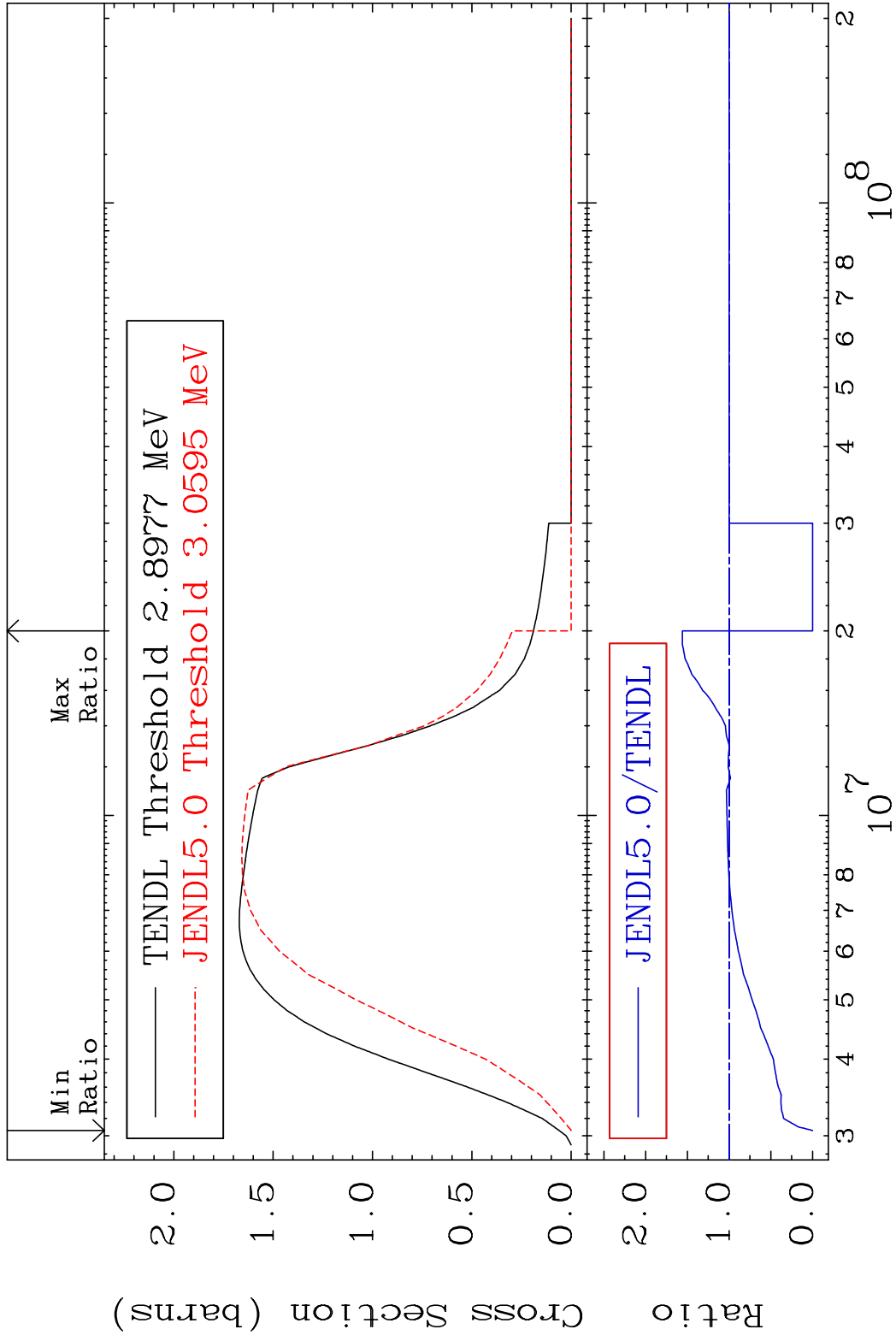


MAT 3431

(n, n') Continuum

³⁴Se-76

Cross Section -100.0 To 55.95 %



40

Incident Energy (eV)

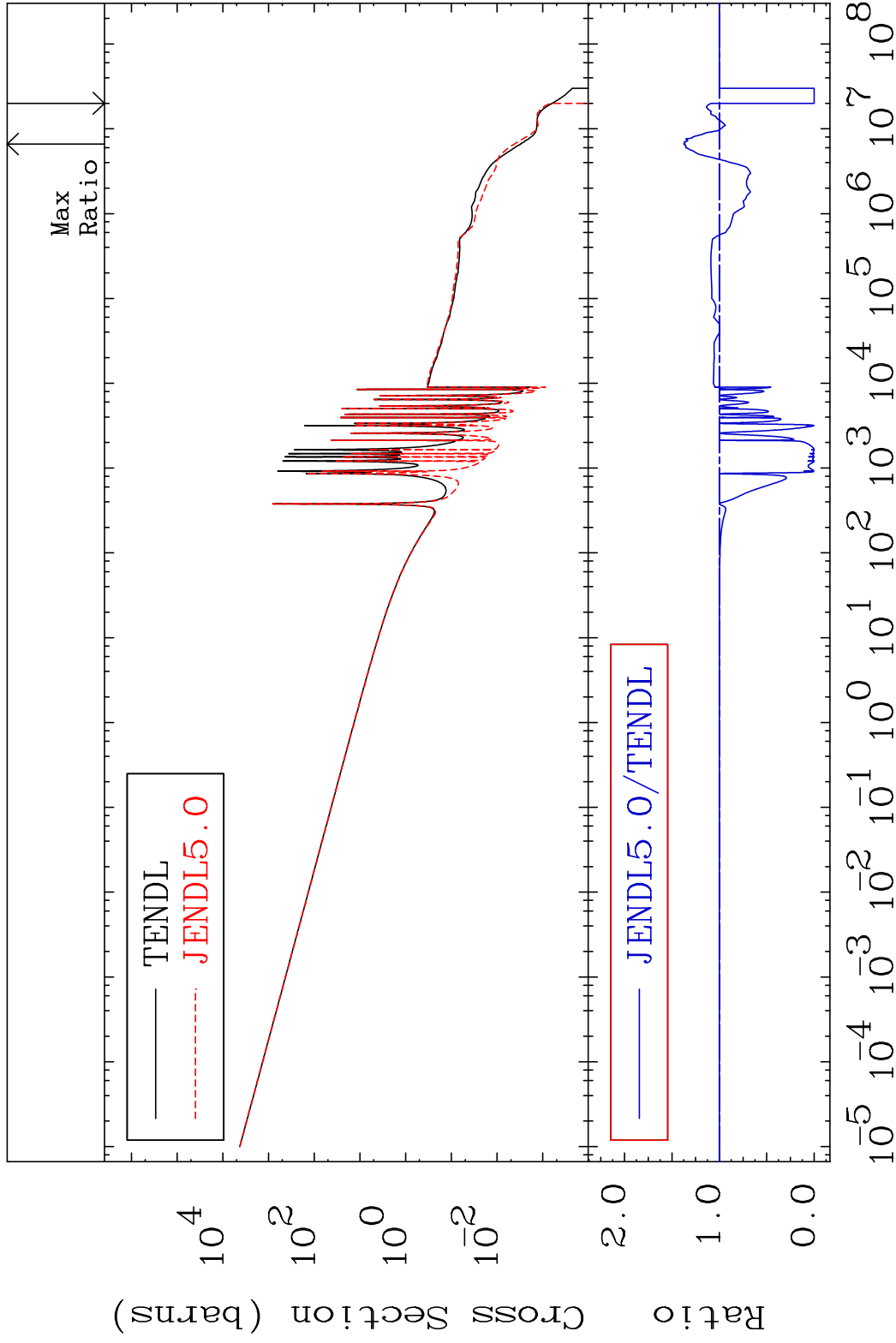
³⁴Se-76

MAT 3431

(n, γ)

34-Se-76

Cross Section -100.0 To 37.63 %



41

Incident Energy (eV)

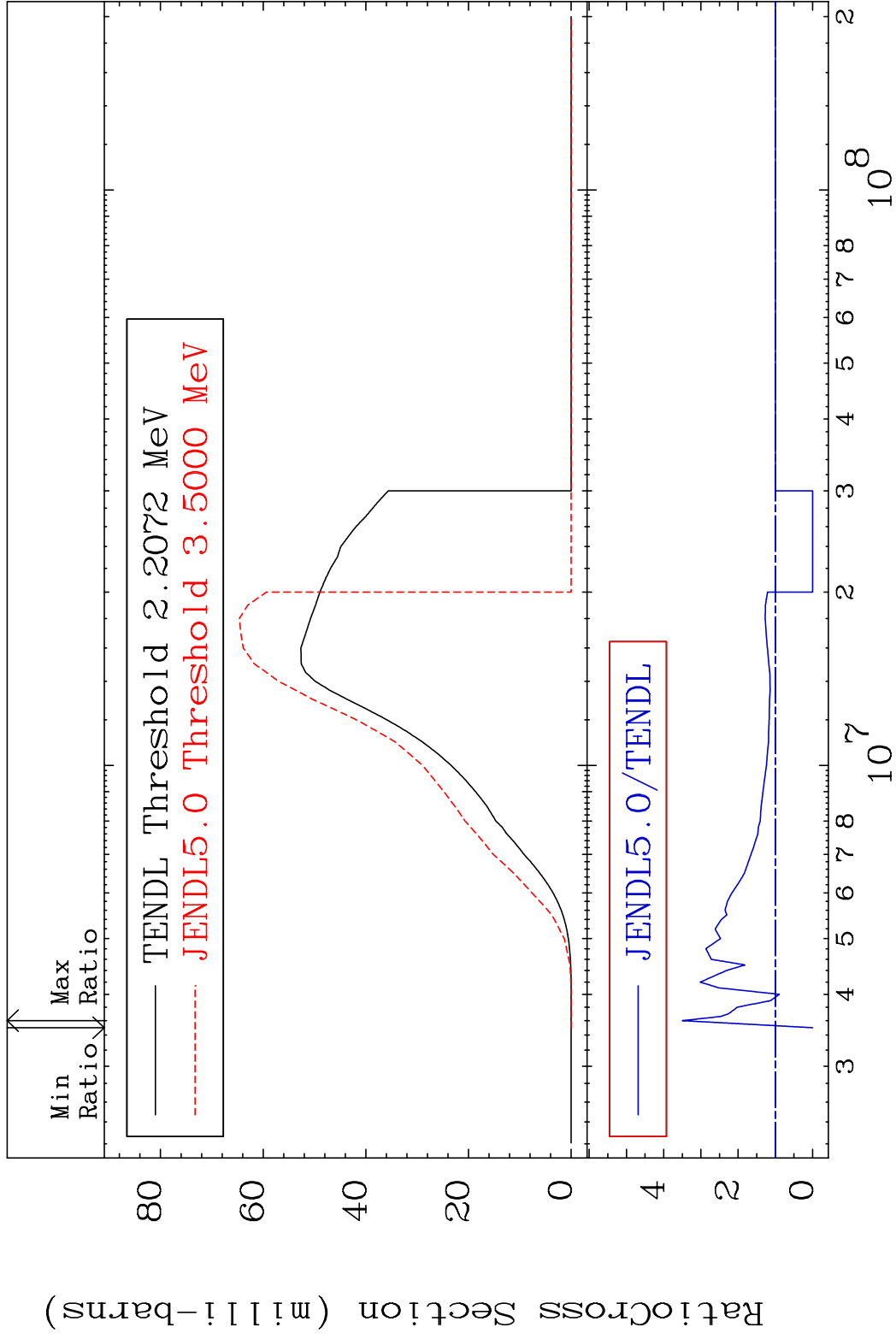
34-Se-76

MAT 3431

(n,p)

³⁴Se-76

Cross Section -100.0 To 249.8 %



42

Incident Energy (eV)

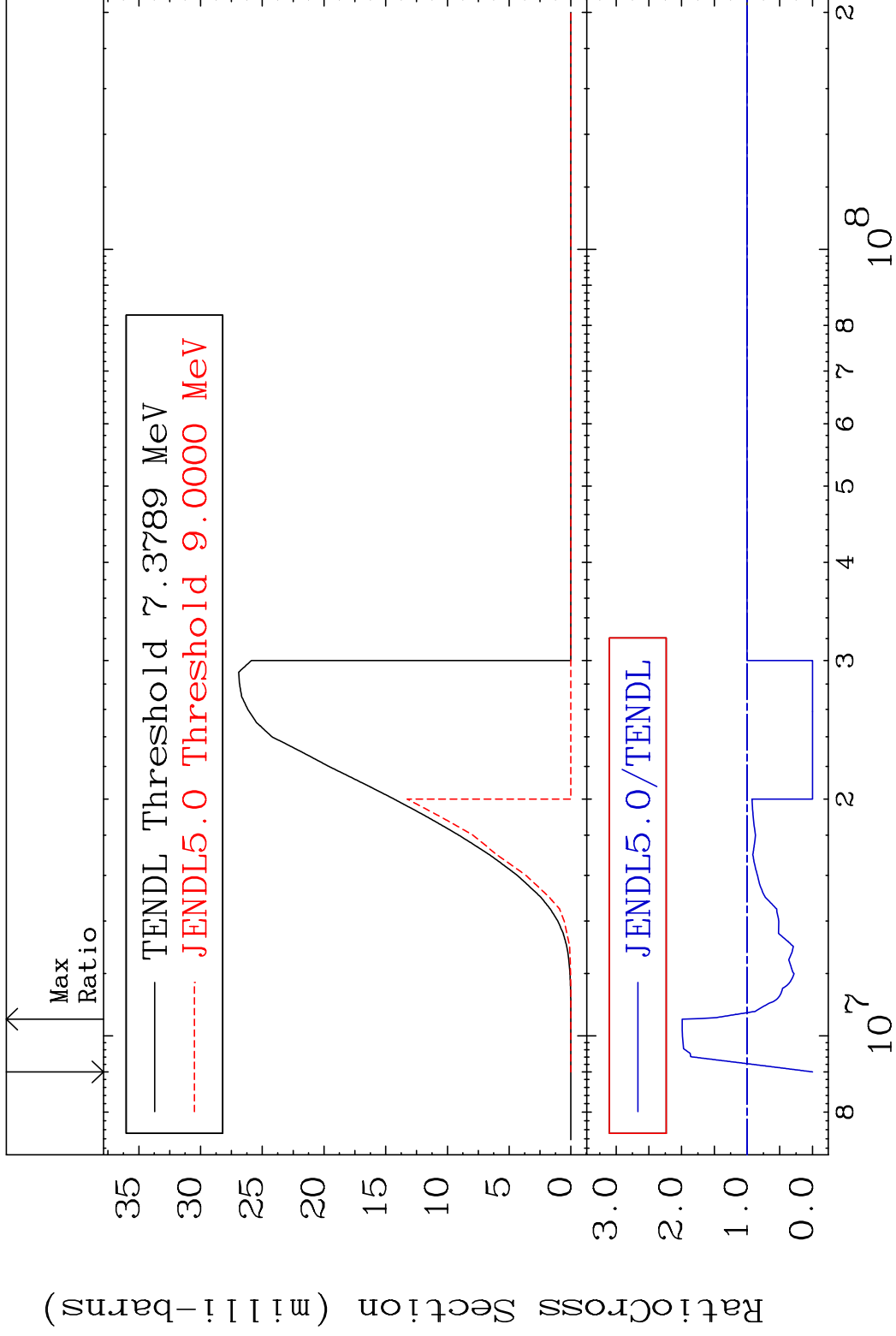
³⁴Se-76

MAT 3431

(n,d)

³⁴Se-76

Cross Section -100.0 To 99.16 %



43

Incident Energy (eV)

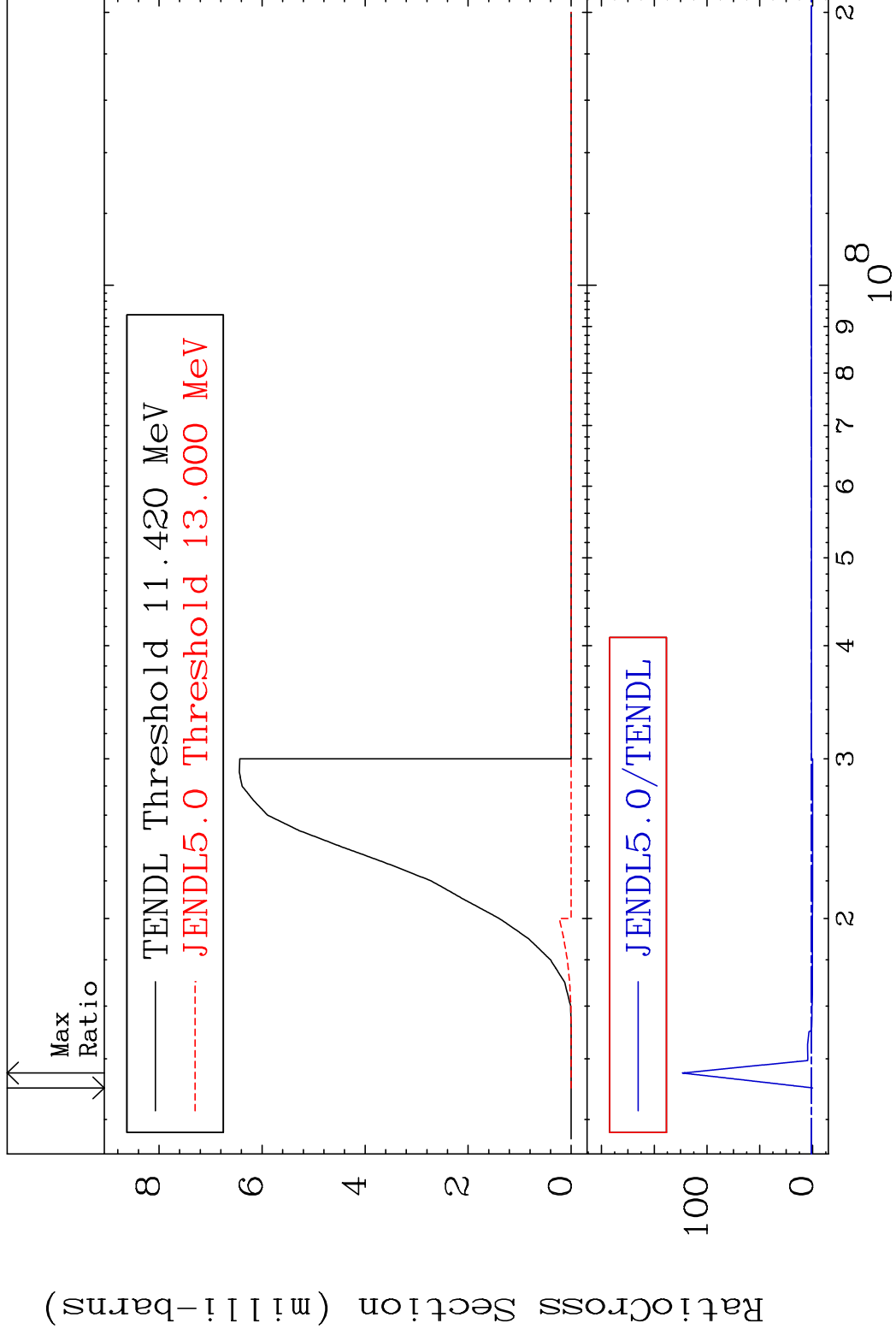
³⁴Se-76

MAT 3431

(n, t)

34-Se-76

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

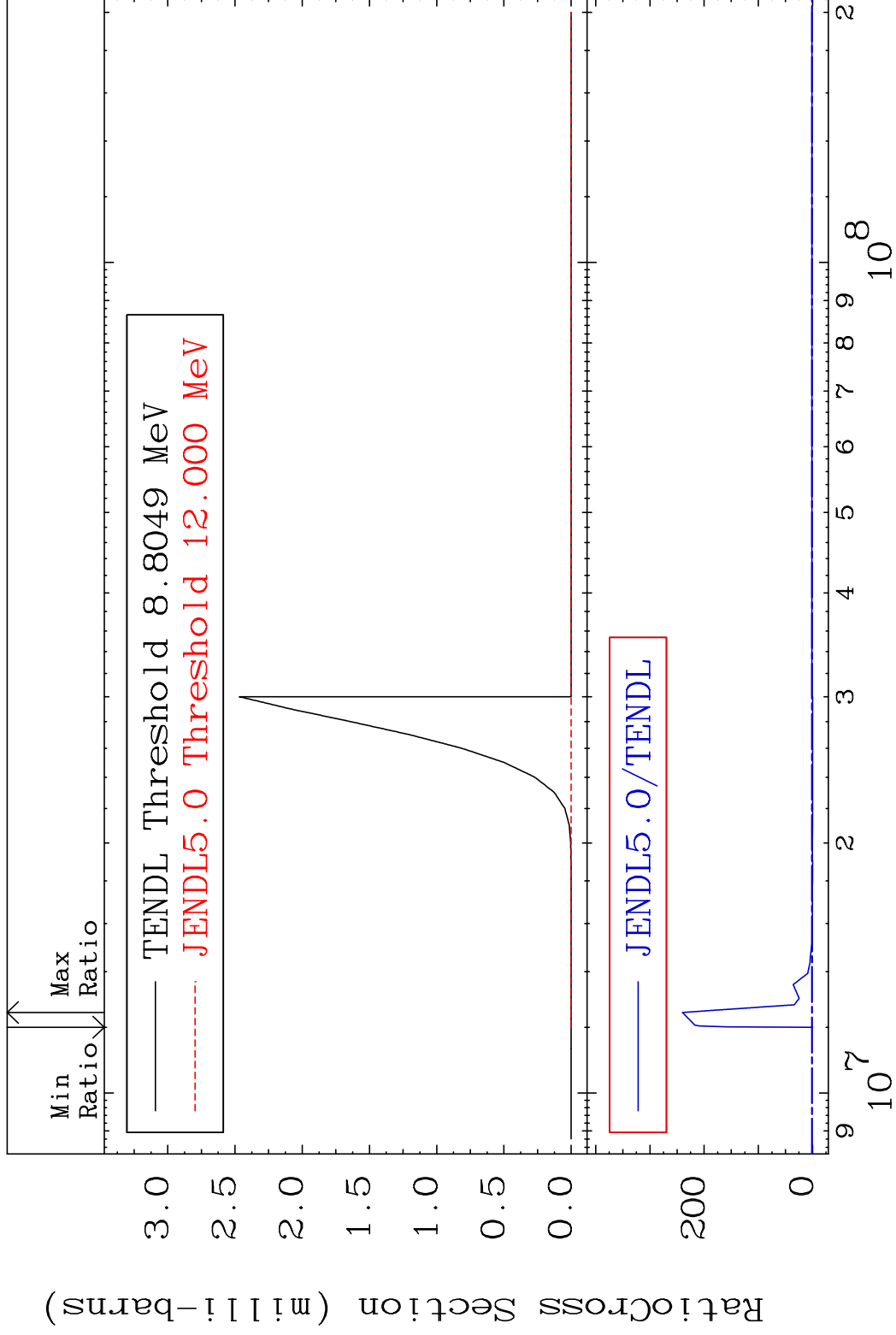
34-Se-76

MAT 3431

(n, He-3)

34-Se-76

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

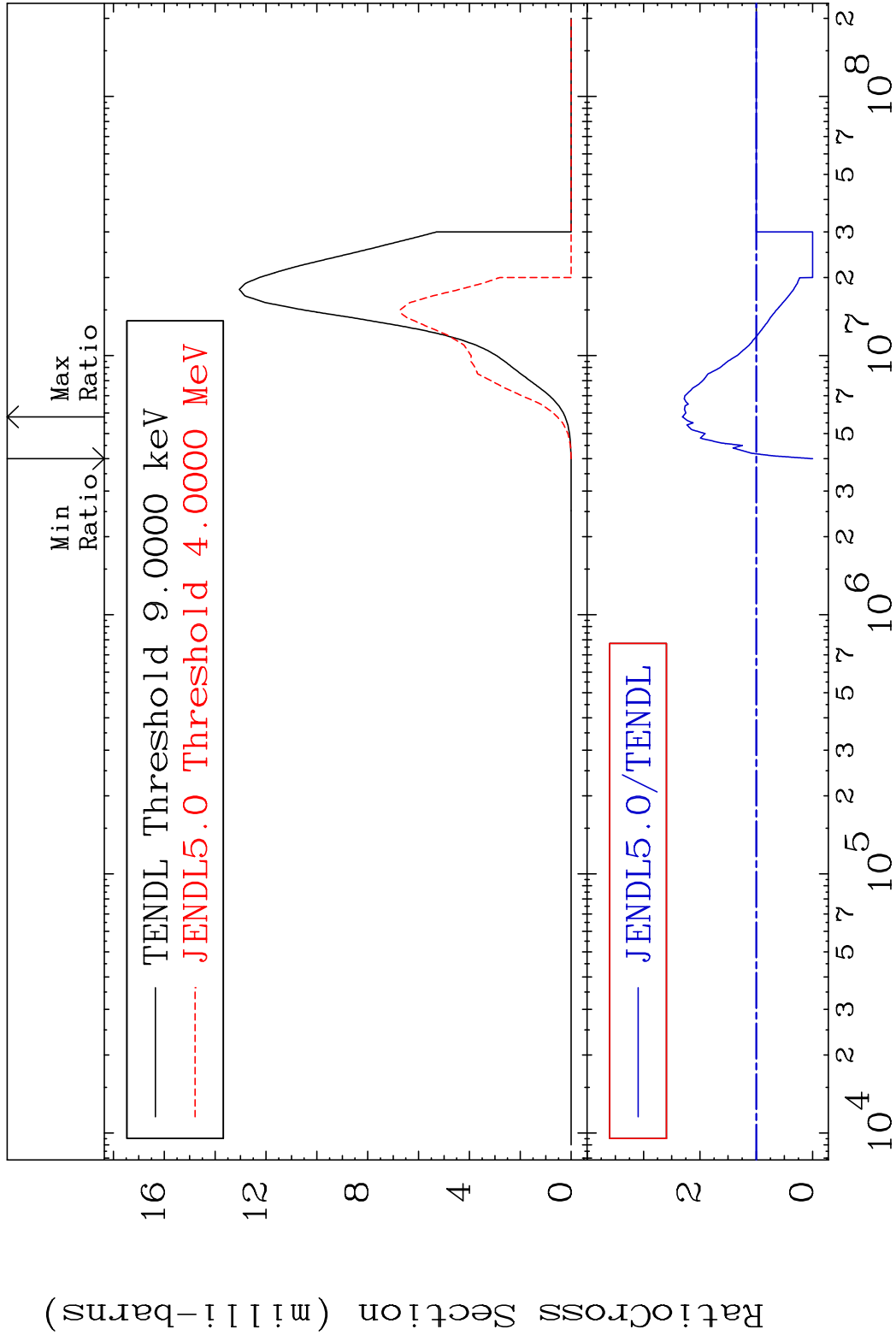
34-Se-76

MAT 3431

(n, α)

³⁴Se-76

Cross Section -100.0 To 131.1 %



46

Incident Energy (eV)

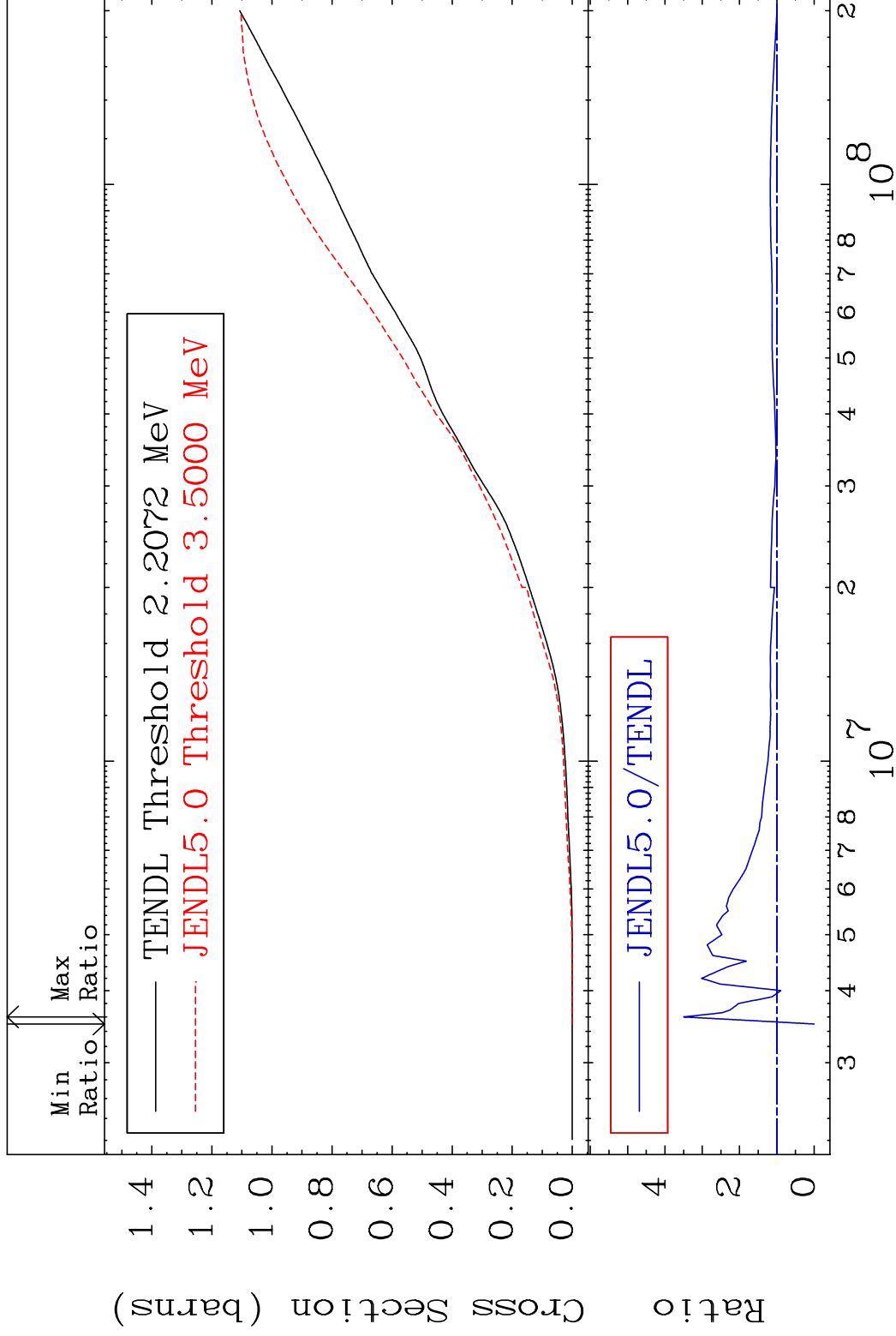
³⁴Se-76

MAT 3431

Hydrogen Production

³⁴Se-76

Cross Section -100.0 To 249.8 %

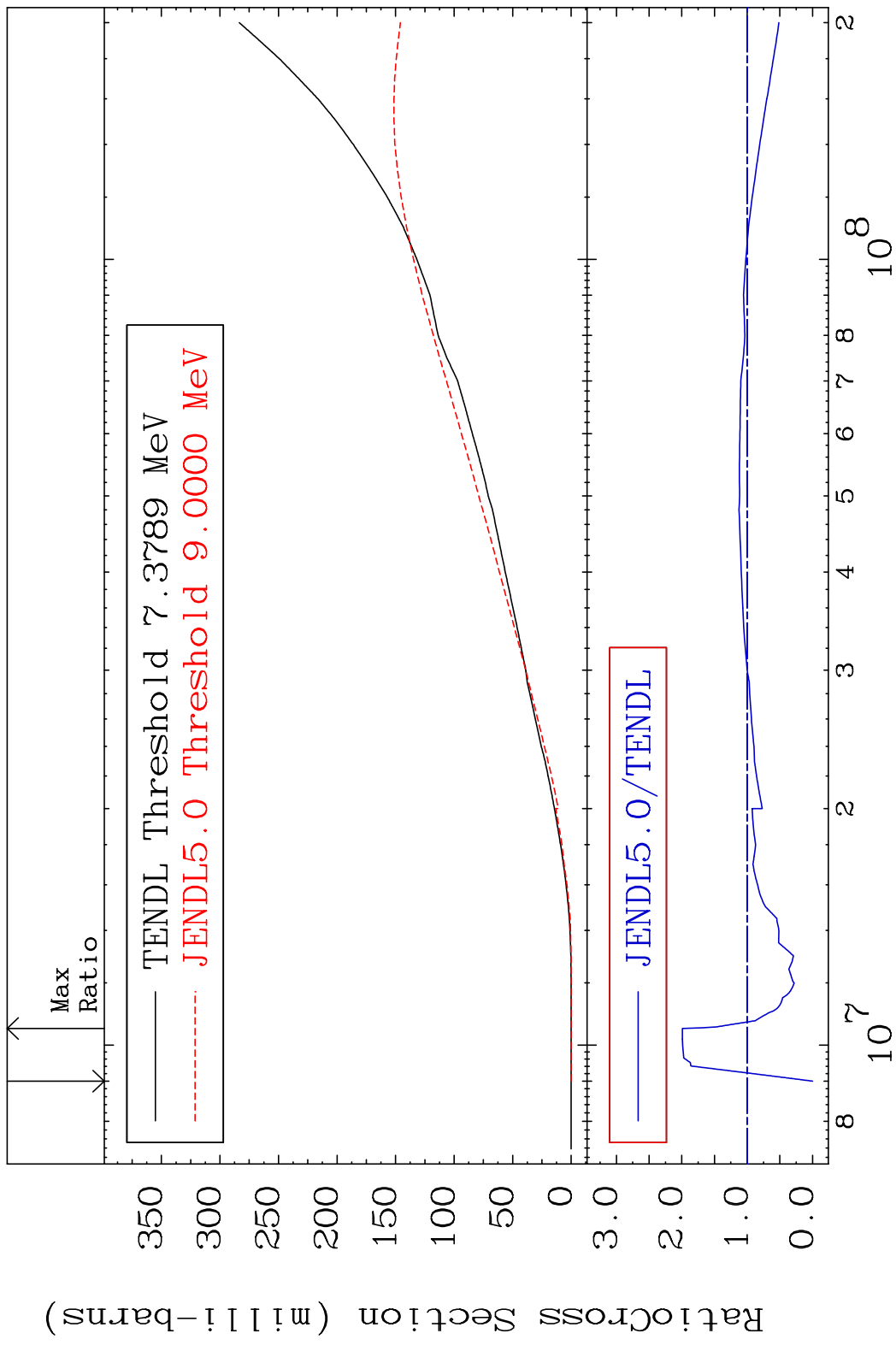


47

Incident Energy (eV)

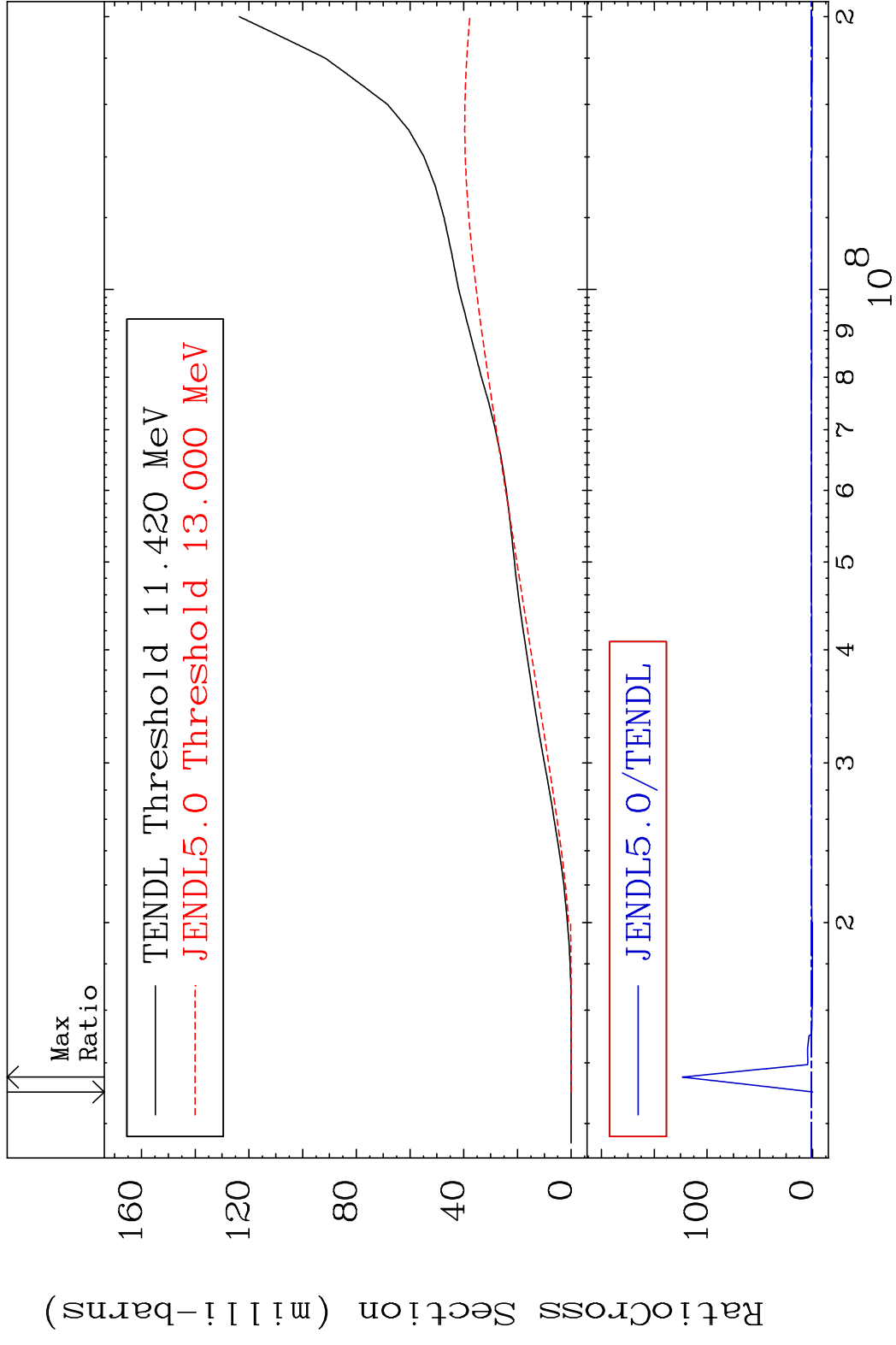
³⁴Se-76

MAT 3431 Deuterium Production 34-Se-76
 Cross Section -100.0 To 99.16 %



48 34-Se-76

MAT 3431 Tritium Production 34-Se-76
 Cross Section -100.0 To 9999. %

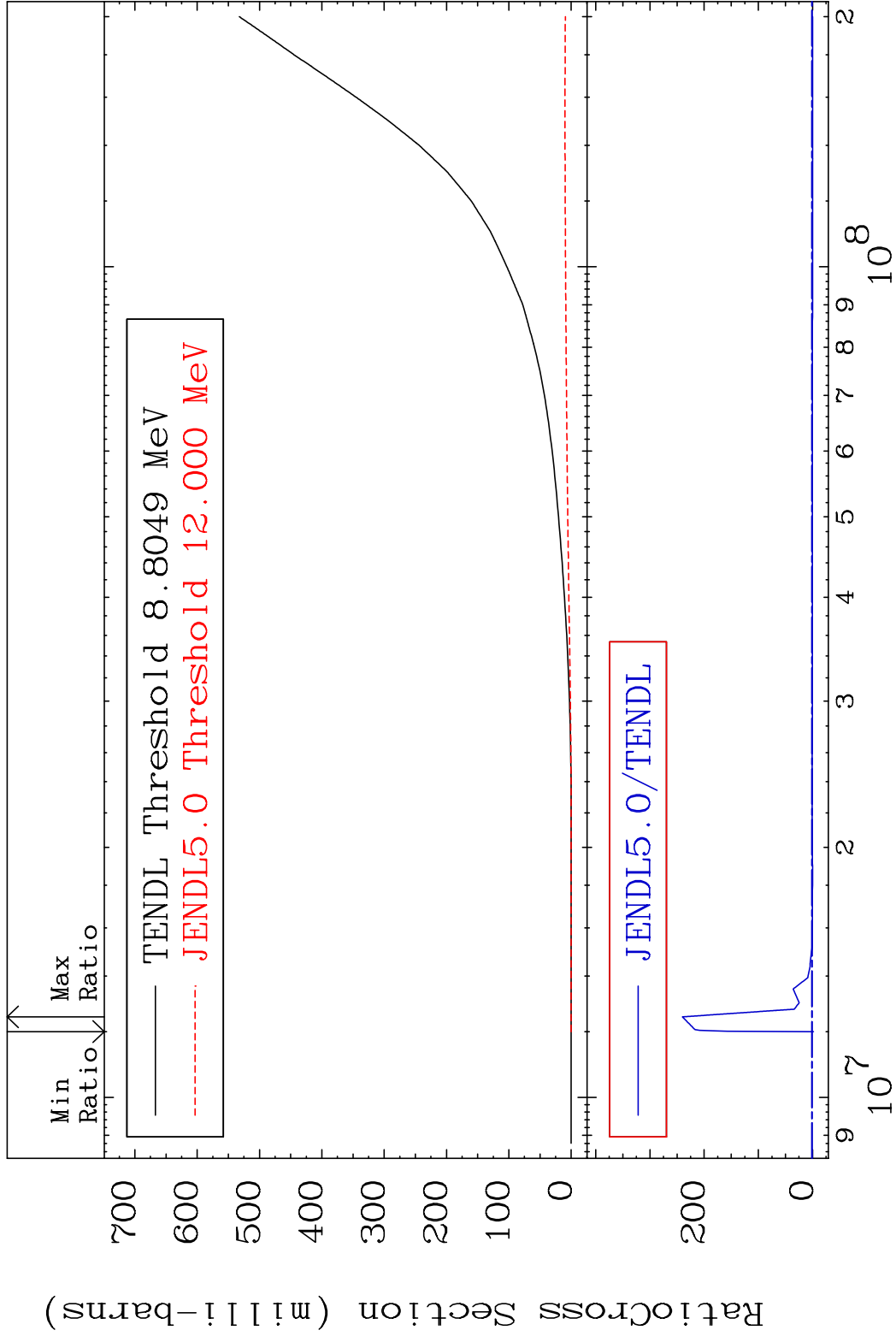


MAT 3431

He-3 Production

34-Se-76

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

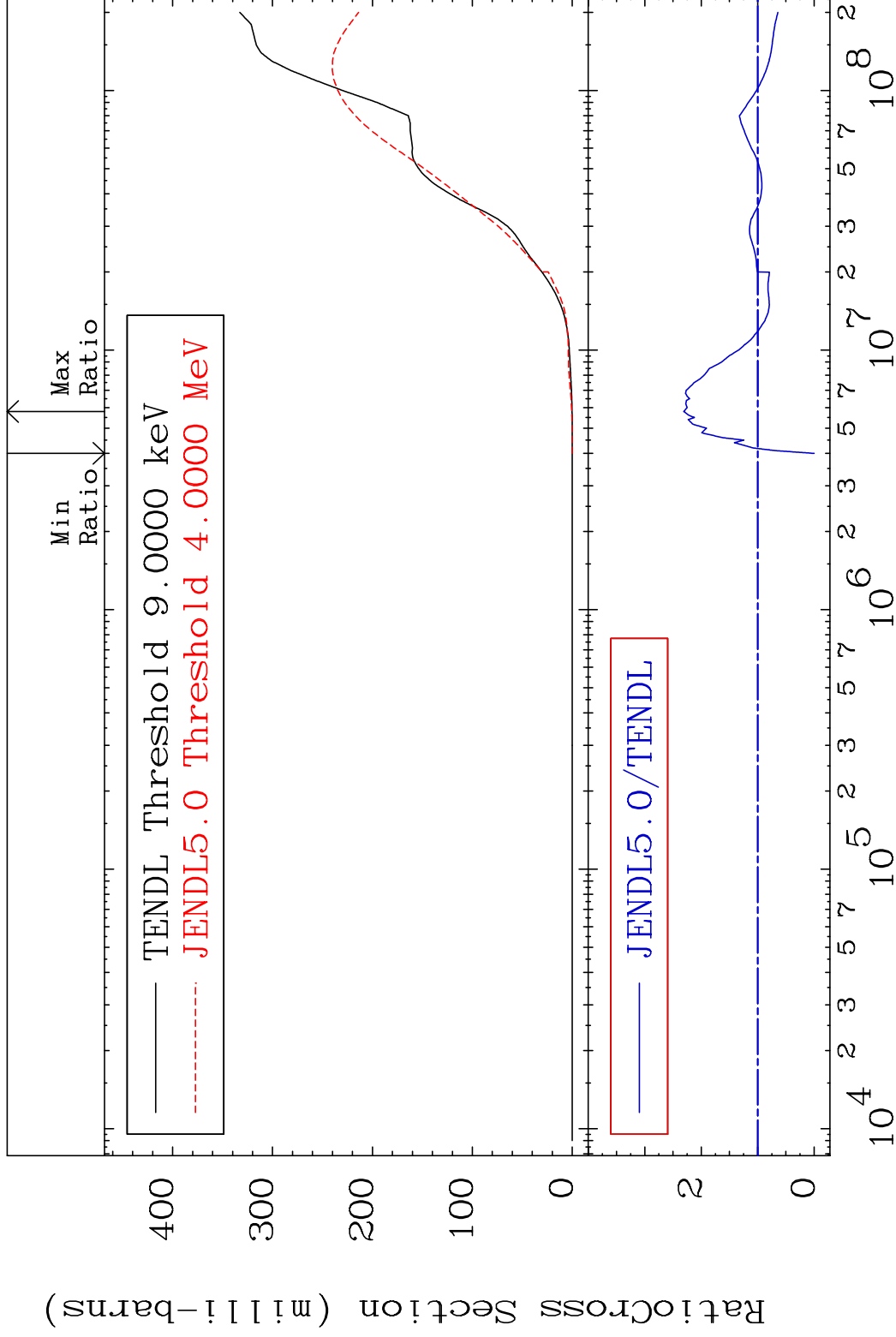
34-Se-76

MAT 3431

He-4 Production

34-Se-76

Cross Section -100.0 To 131.1 %

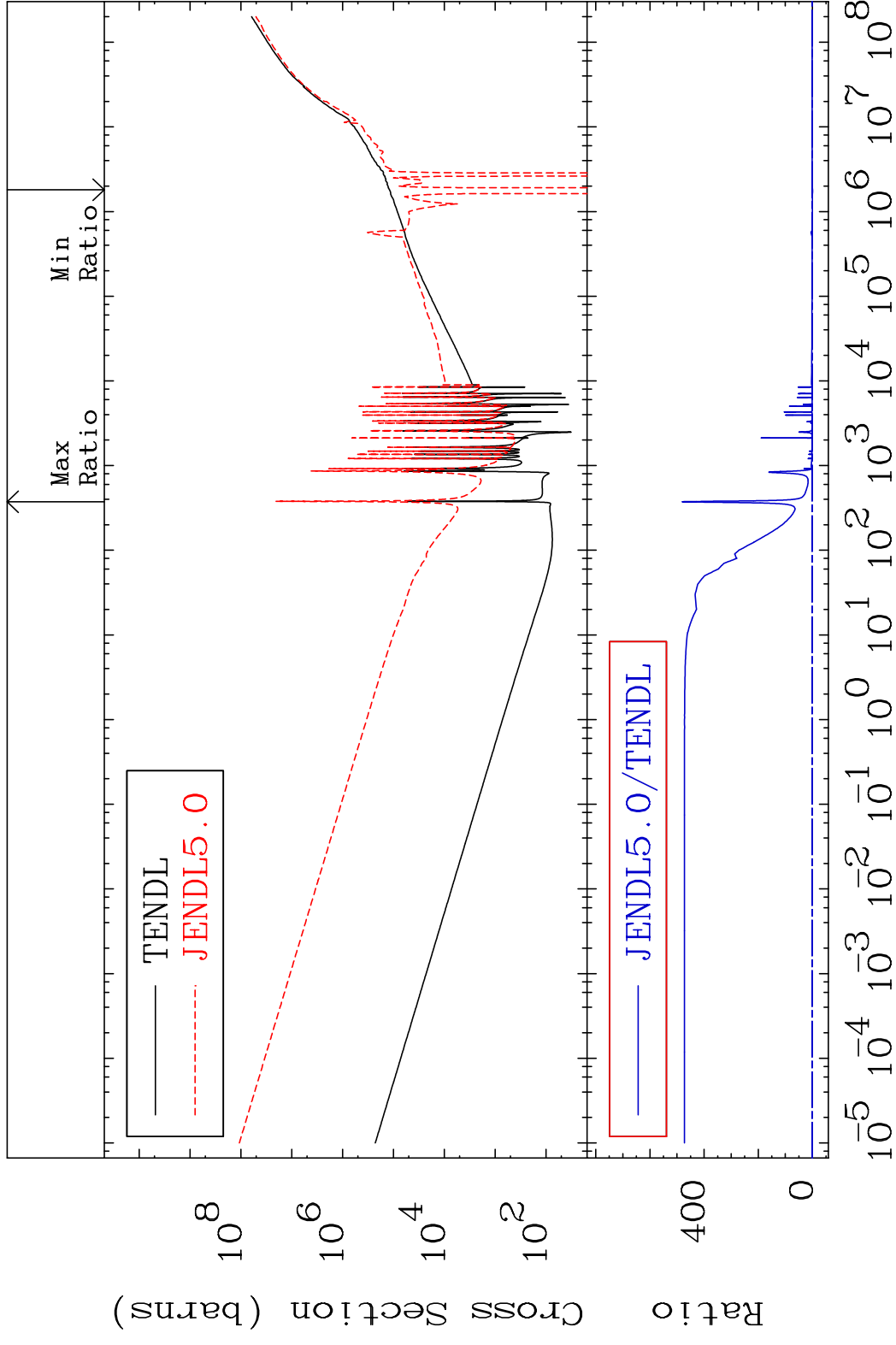


51

Incident Energy (eV)

34-Se-76

MAT 3431 Kerma total (eV-barns) 34-Se-76
 Cross Section -147.2 To 9999. %

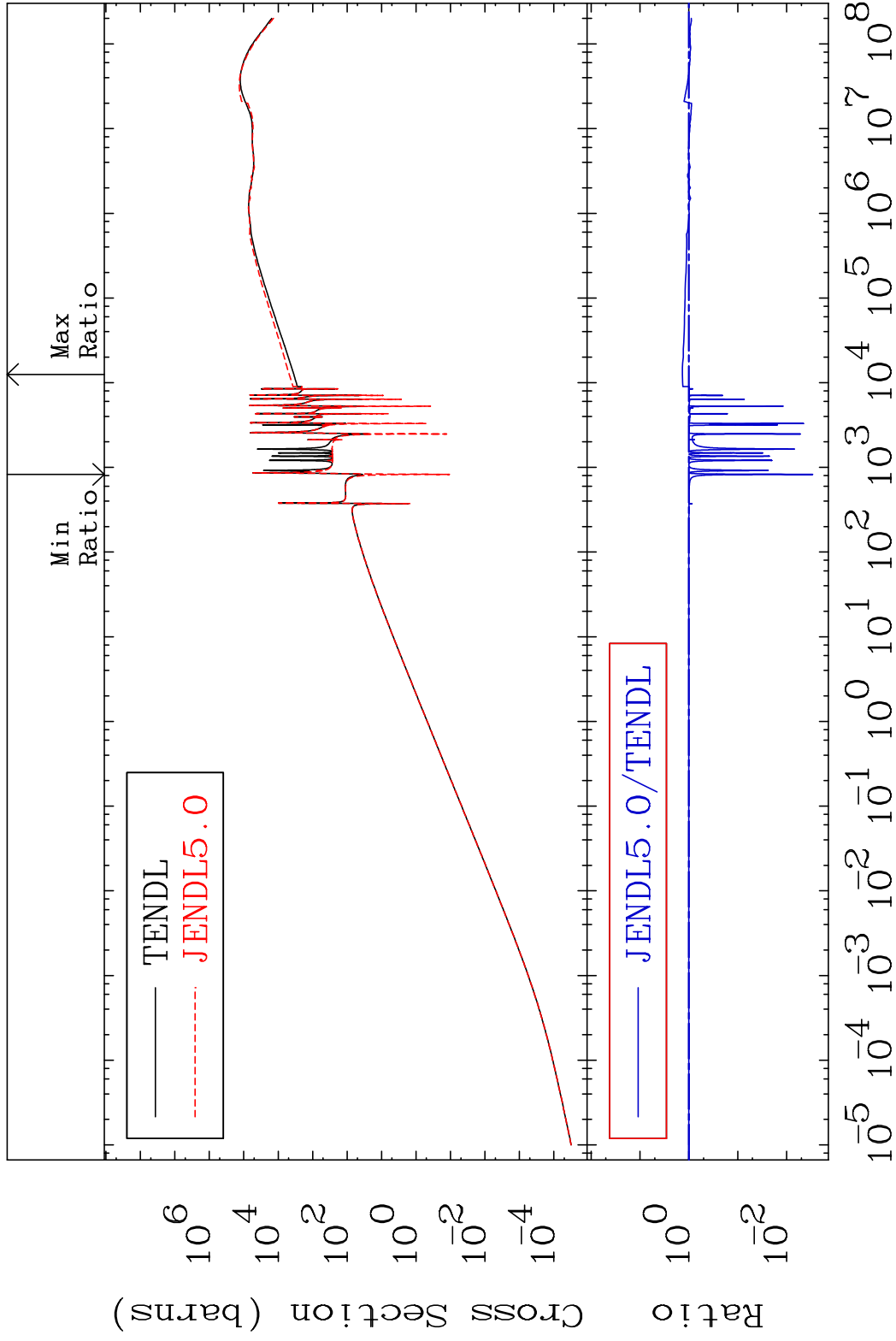


MAT 3431

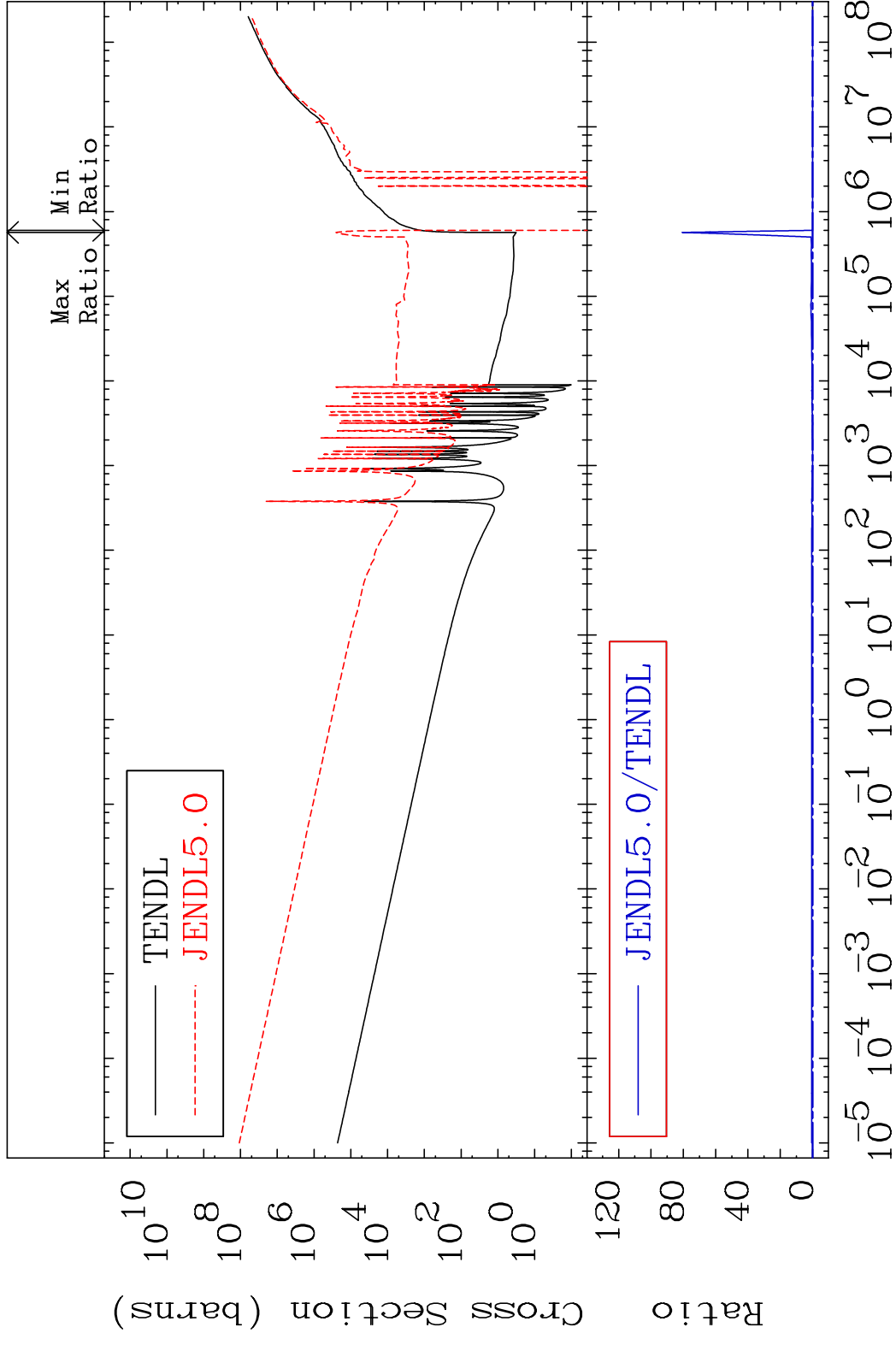
Kerma elastic
Cross Section

34-Se-76

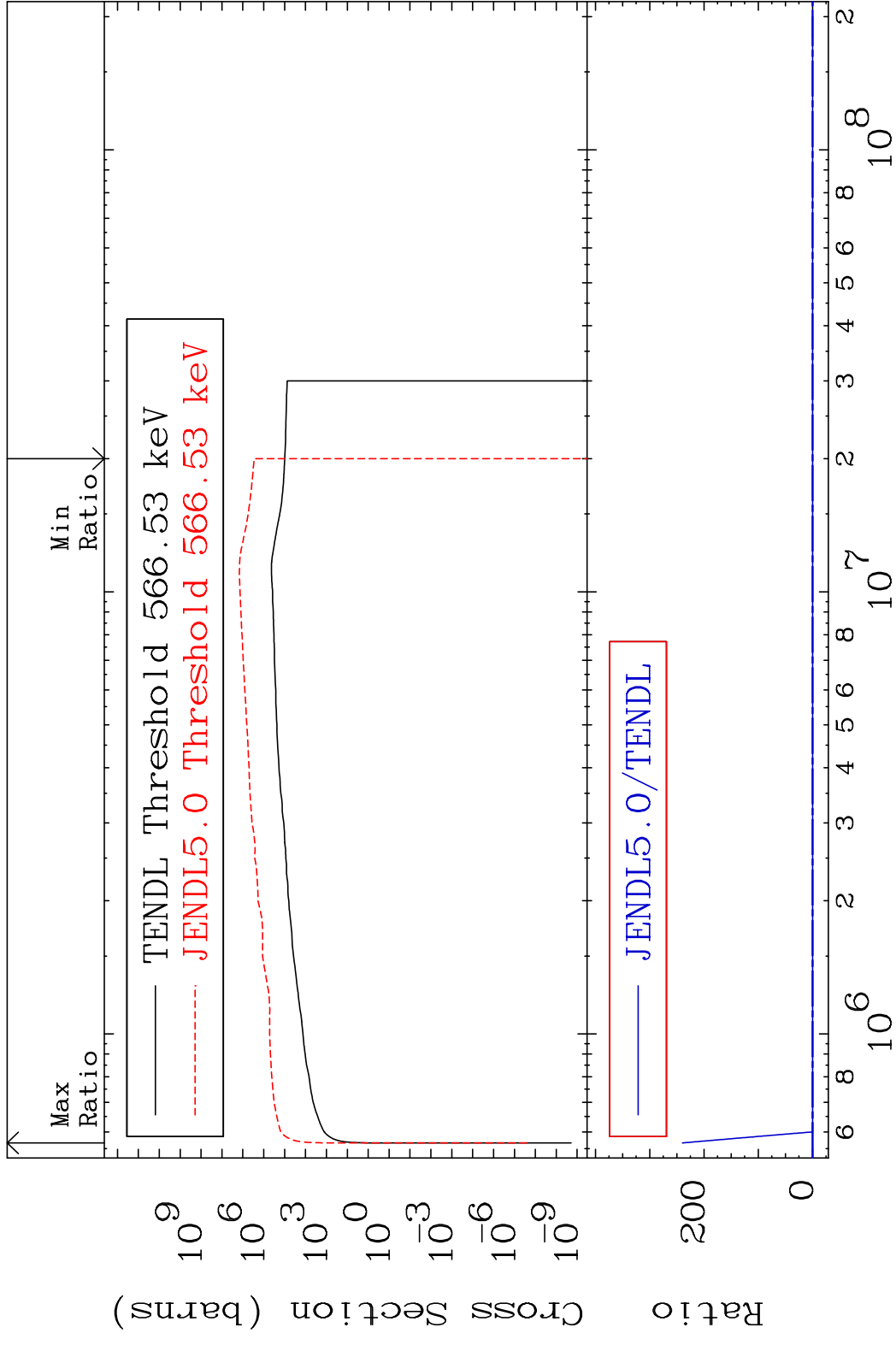
-99.70 To 35.91 %



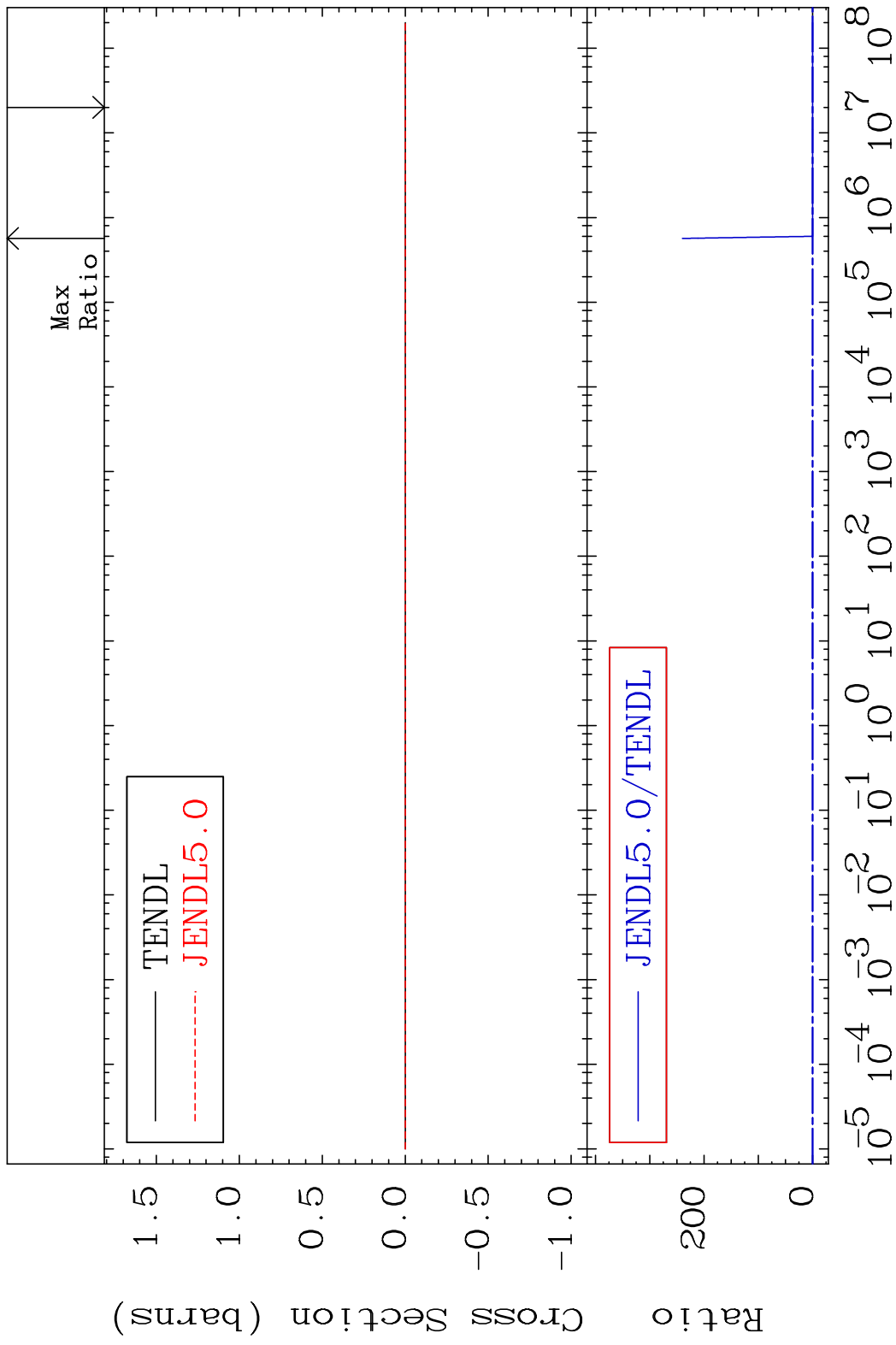
MAT 3431 Kerma non-elastic (all but mt2) 34-Se-76
 Cross Section -605.2 To 9999. %



MAT 3431 Kerma inelastic (mt51-91) 34-Se-76
 Cross Section -100.0 To 9999. %

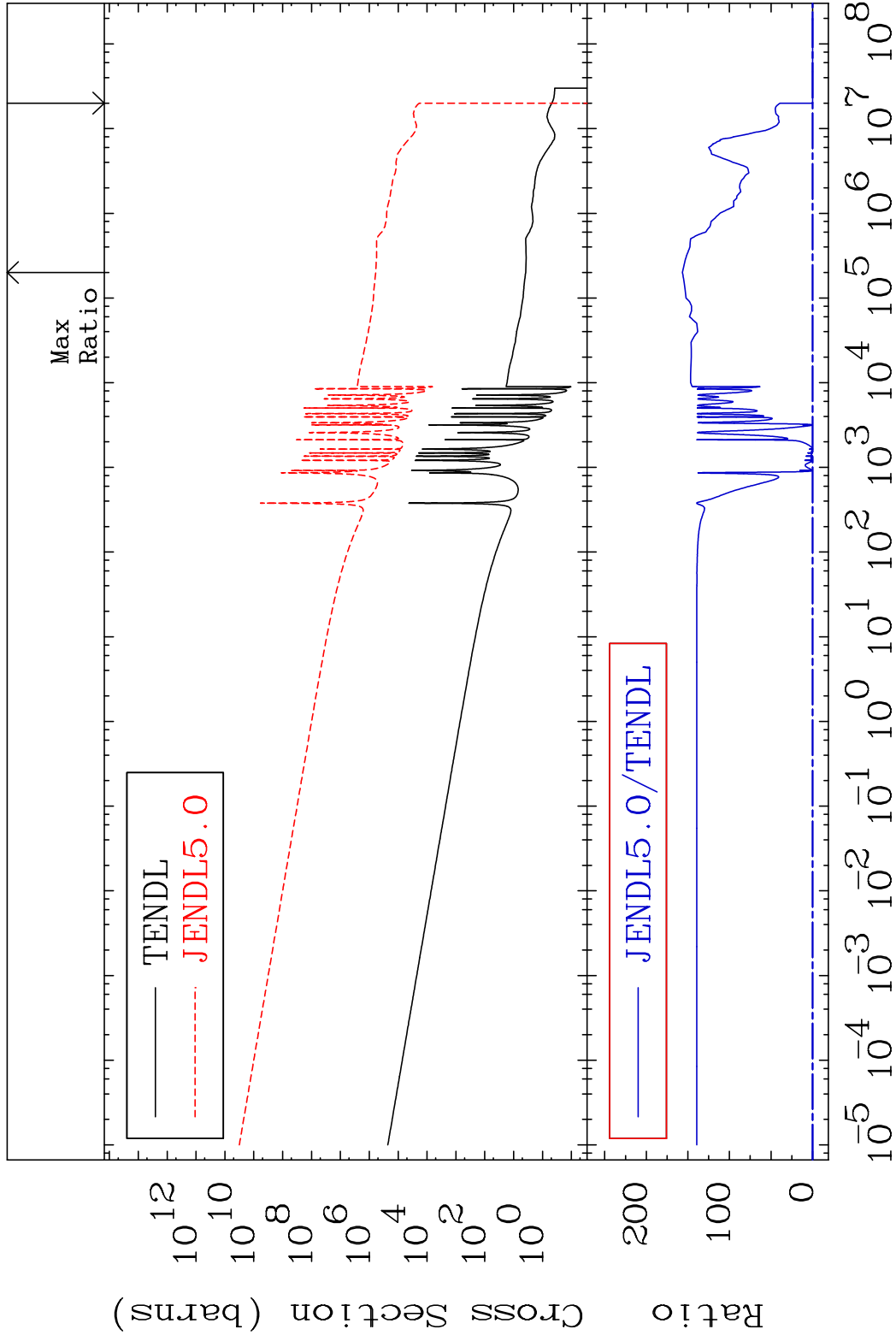


MAT 3431 Kerma fission (mt18 or mt19-20-21-38) 34-Se-76
 Cross Section -100.0 To 9999. %



MAT 3431

Kerma capture (mt102) 34-Se-76
Cross Section -100.0 To 9999. %

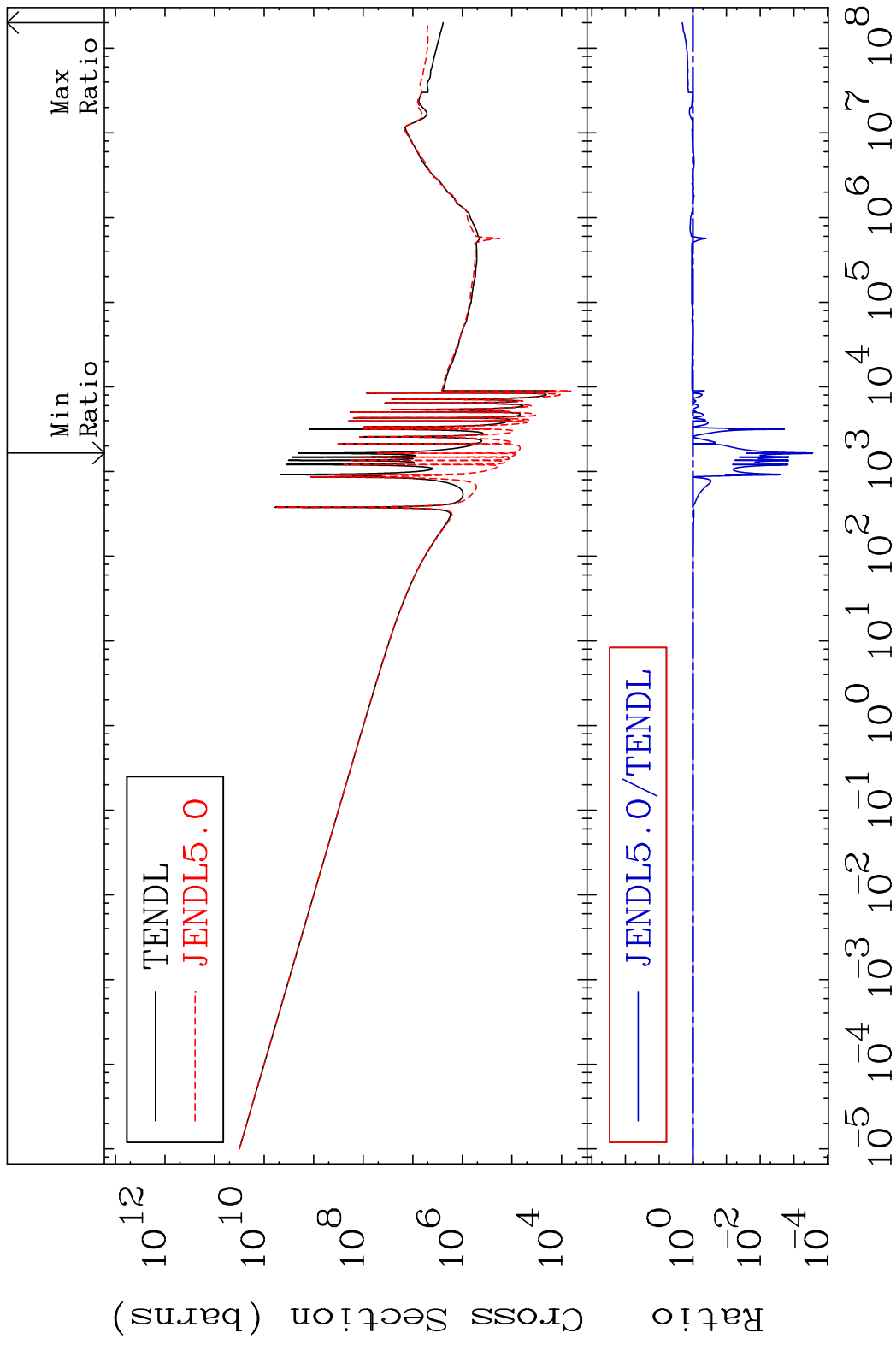


57

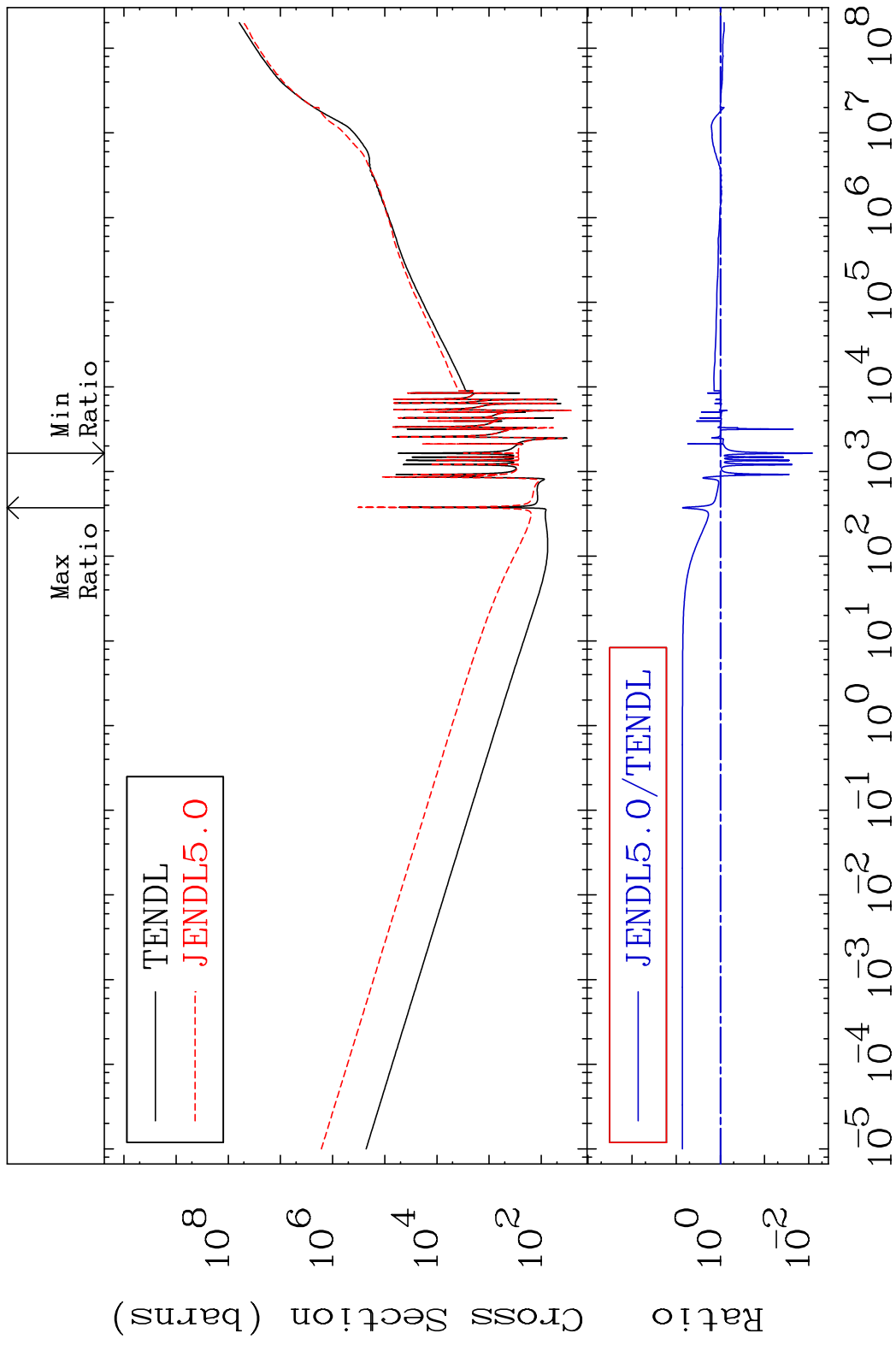
Incident Energy (eV)

34-Se-76

MAT 3431 Total photon (eV-barns) 34-Se-76
 Cross Section -99.97 To 104.4 %



MAT 3431 Total kinematic kerma (high limit) 34-Se-76
 Cross Section -99.18 To 626.3 %

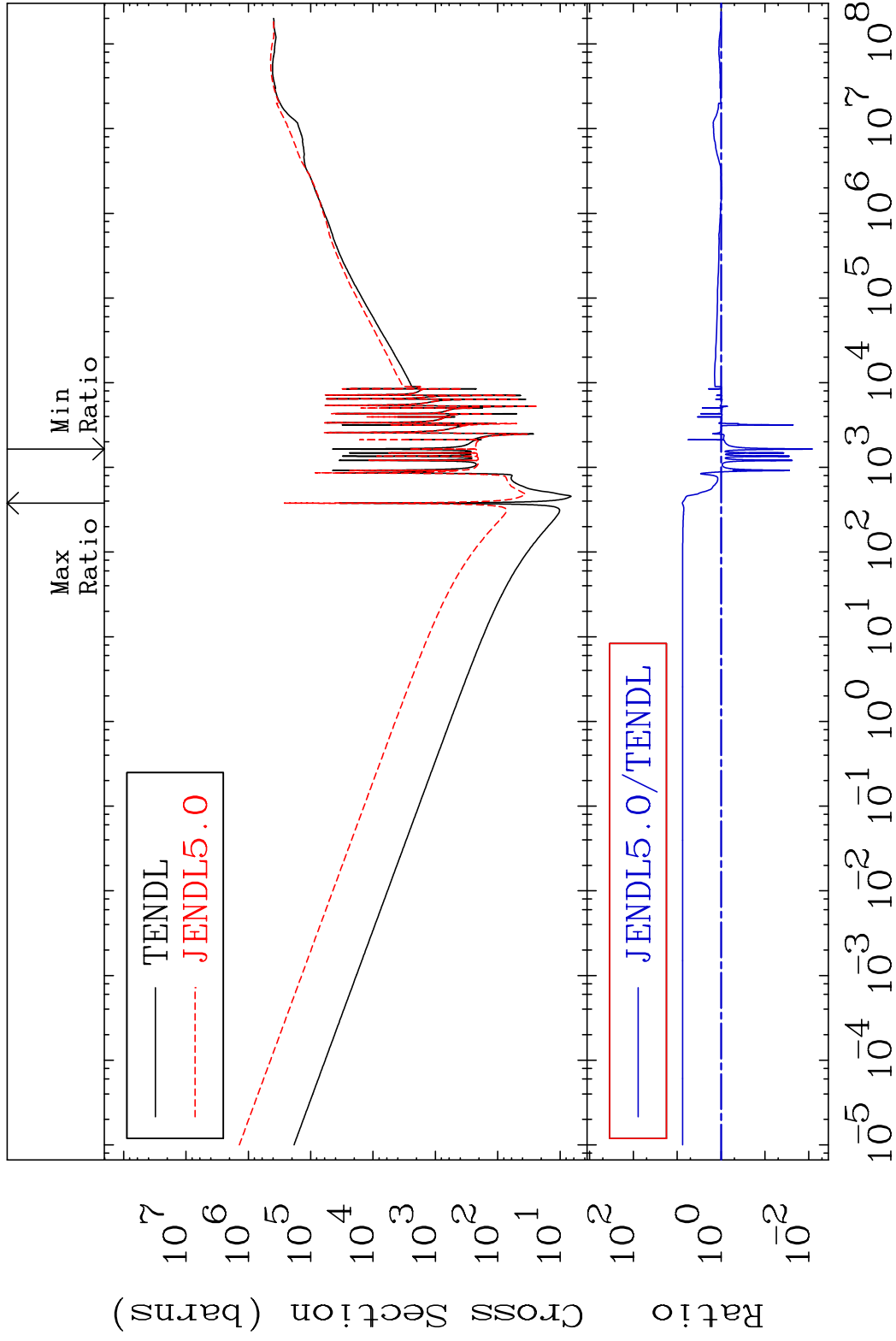


MAT 3431

Dpa total (eV-barns)

34-Se-76

Cross Section -99.18 To 663.6 %



60

Incident Energy (eV)

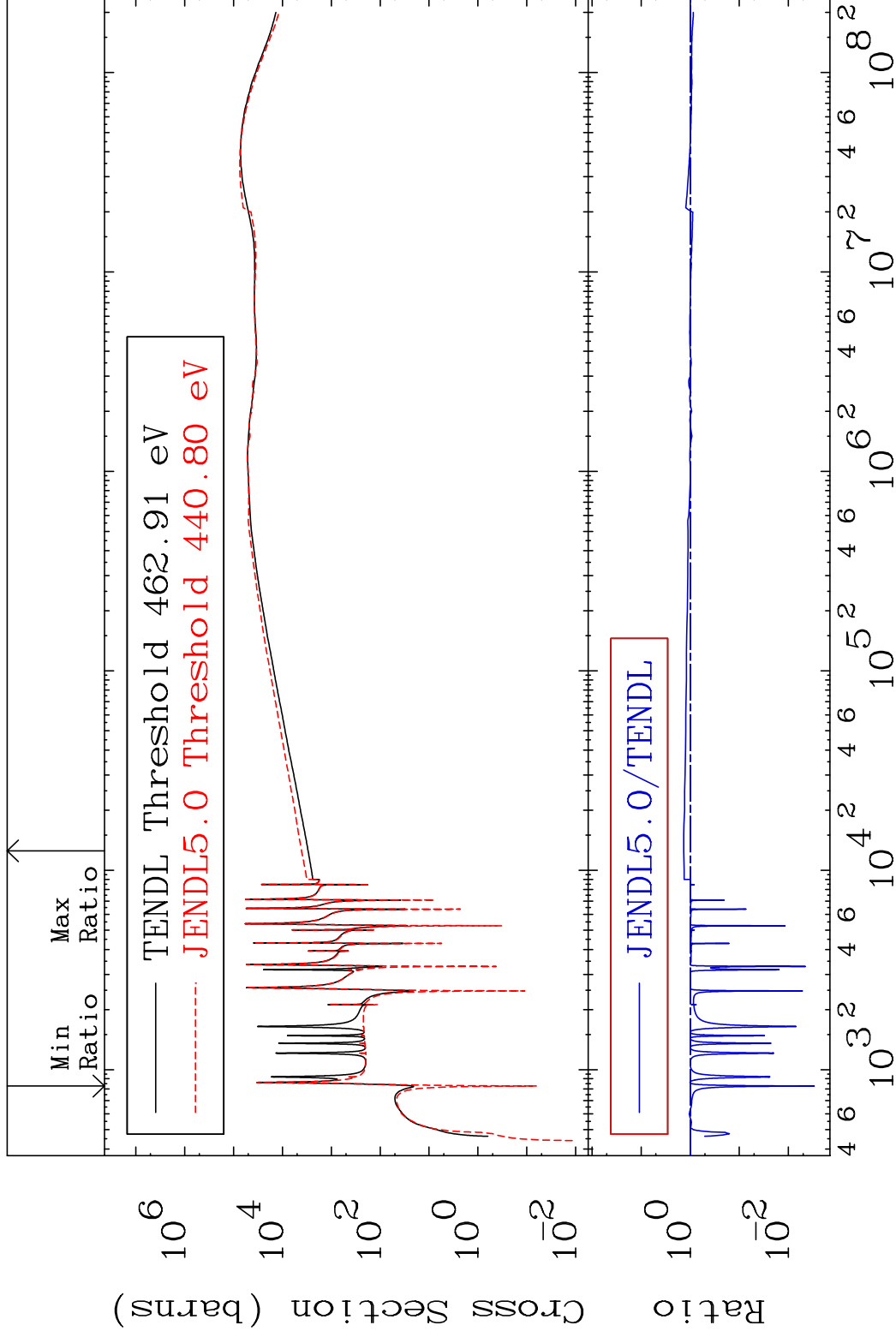
34-Se-76

MAT 3431

Dpa elastic (mt2)

34-Se-76

Cross Section -99.70 To 36.06 %

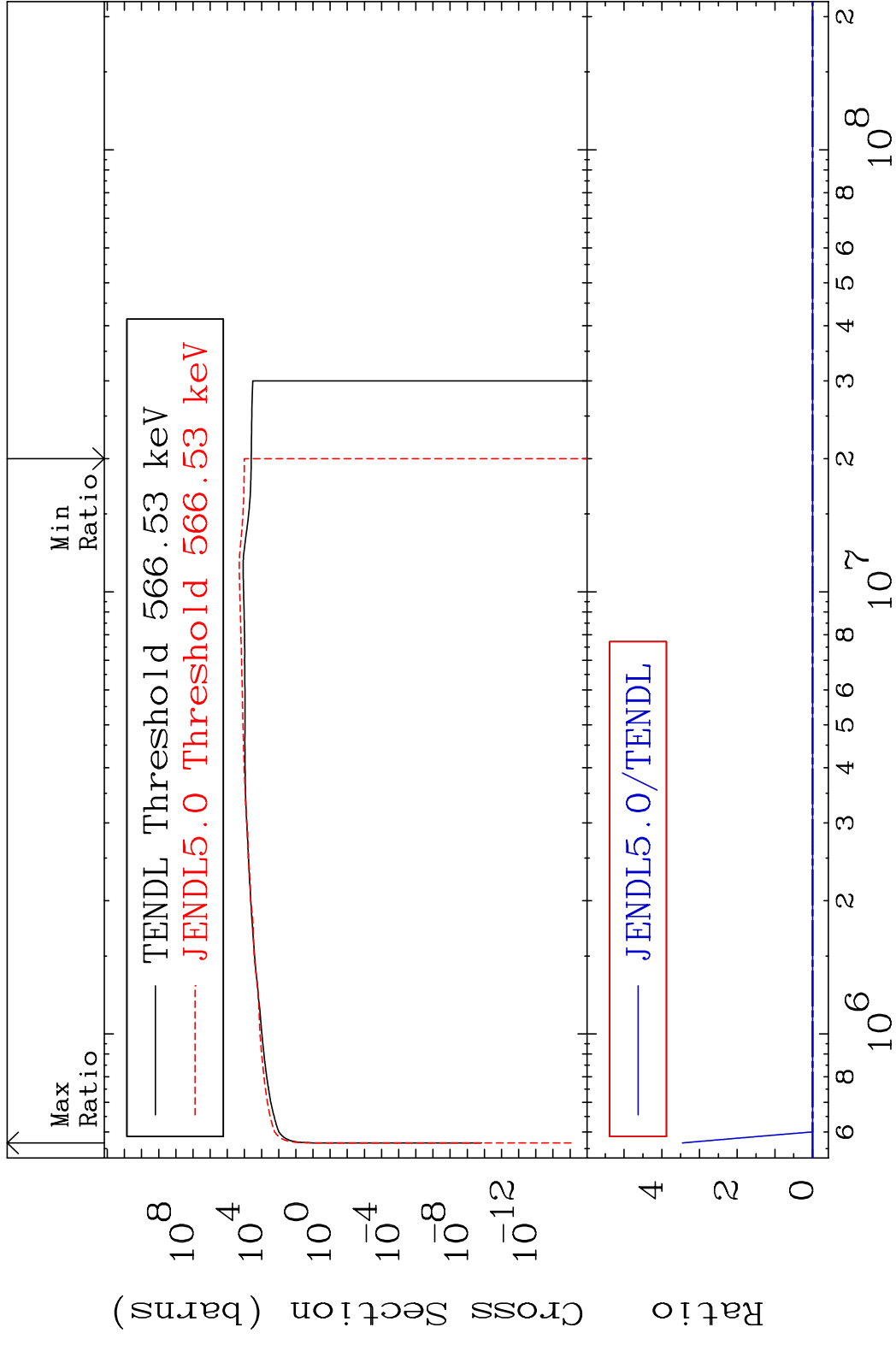


61

Incident Energy (eV)

34-Se-76

MAT 3431 Dpa inelastic (mt51-91) 34-Se-76
 Cross Section -100.0 To 9999. %



MAT 3431 Dpa disappearance (mt102 -120) 34-Se-76
 Cross Section -100.0 To 9999. %

