

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

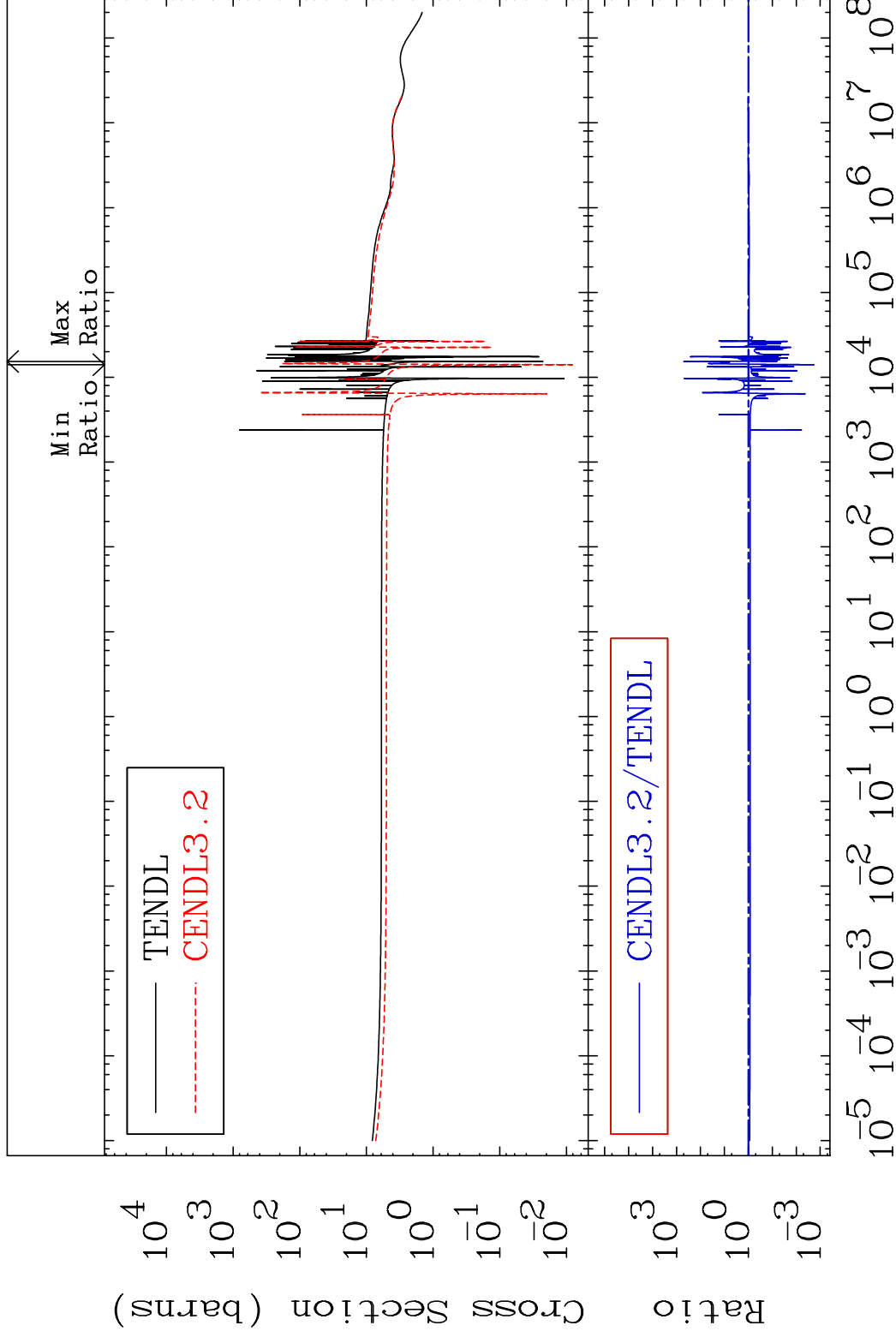
MAT 3449

Total

34-Se-82

Cross Section

-99.82 To 9999. %



1

Incident Energy (eV)

34-Se-82

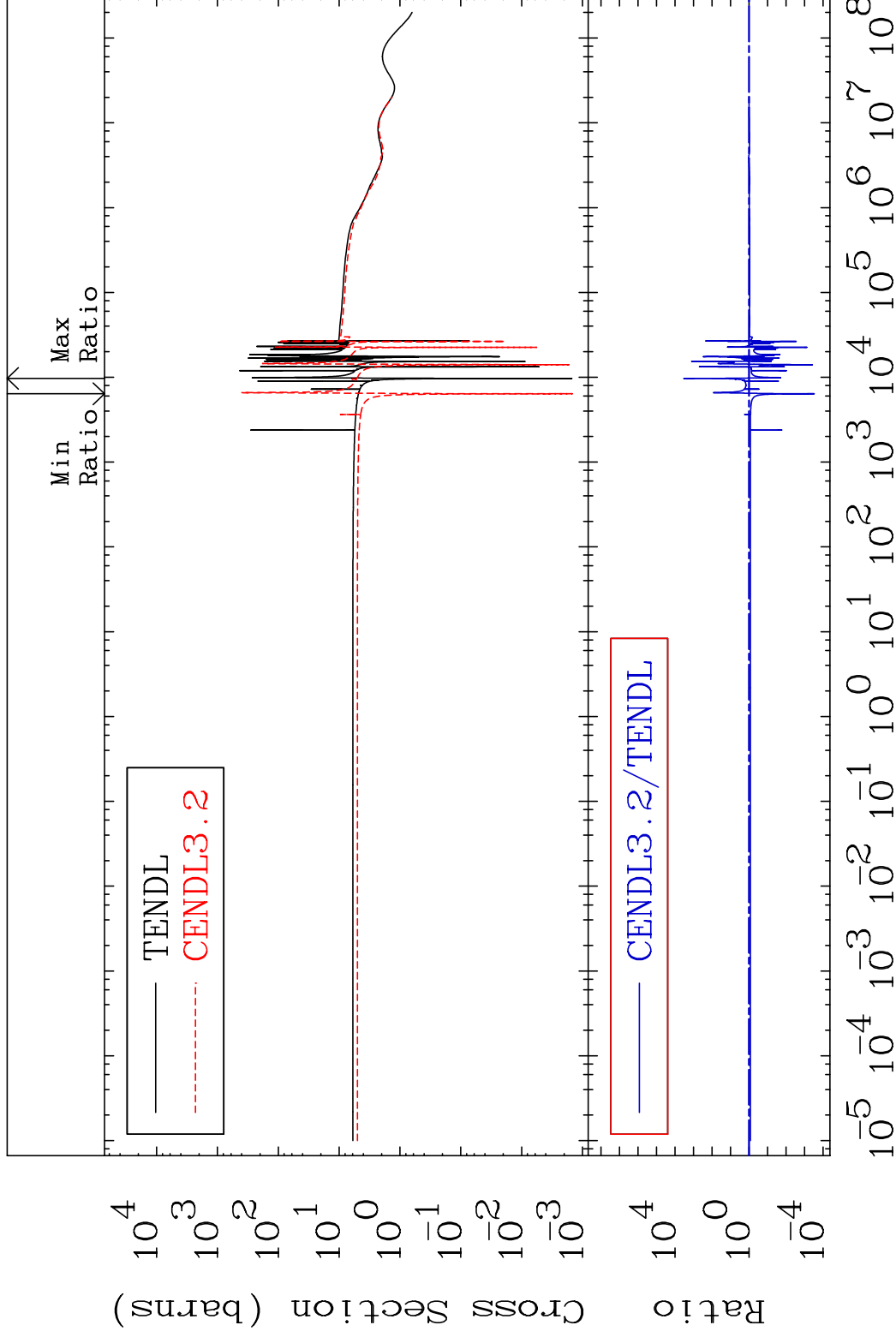
MAT 3449

Elastic

34-Se-82

Cross Section

-99.97 To 9999. %

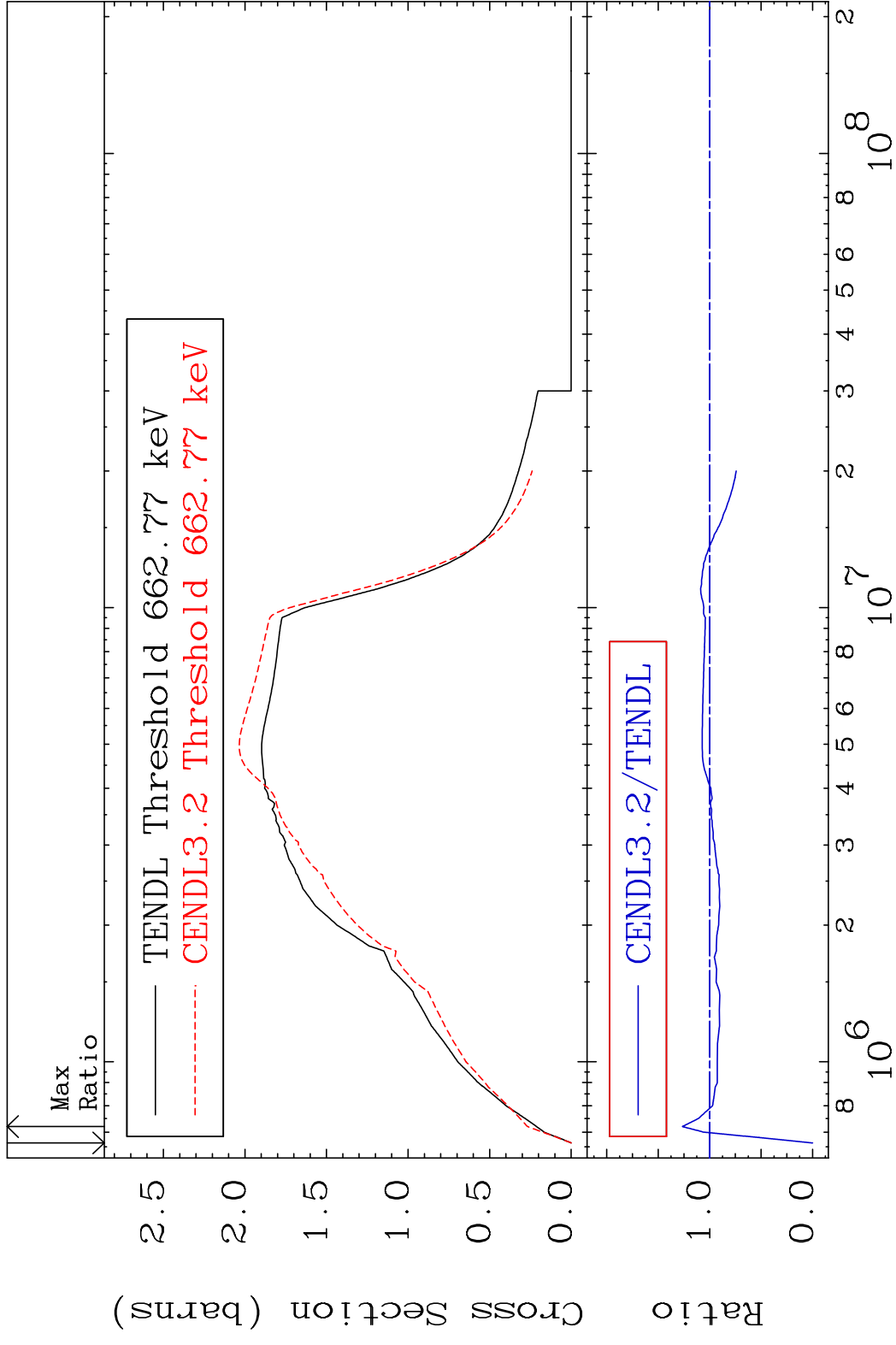


2

Incident Energy (eV)

34-Se-82

MAT 3449 Inelastic 34-Se-82
 Cross Section -100.0 To 26.55 %



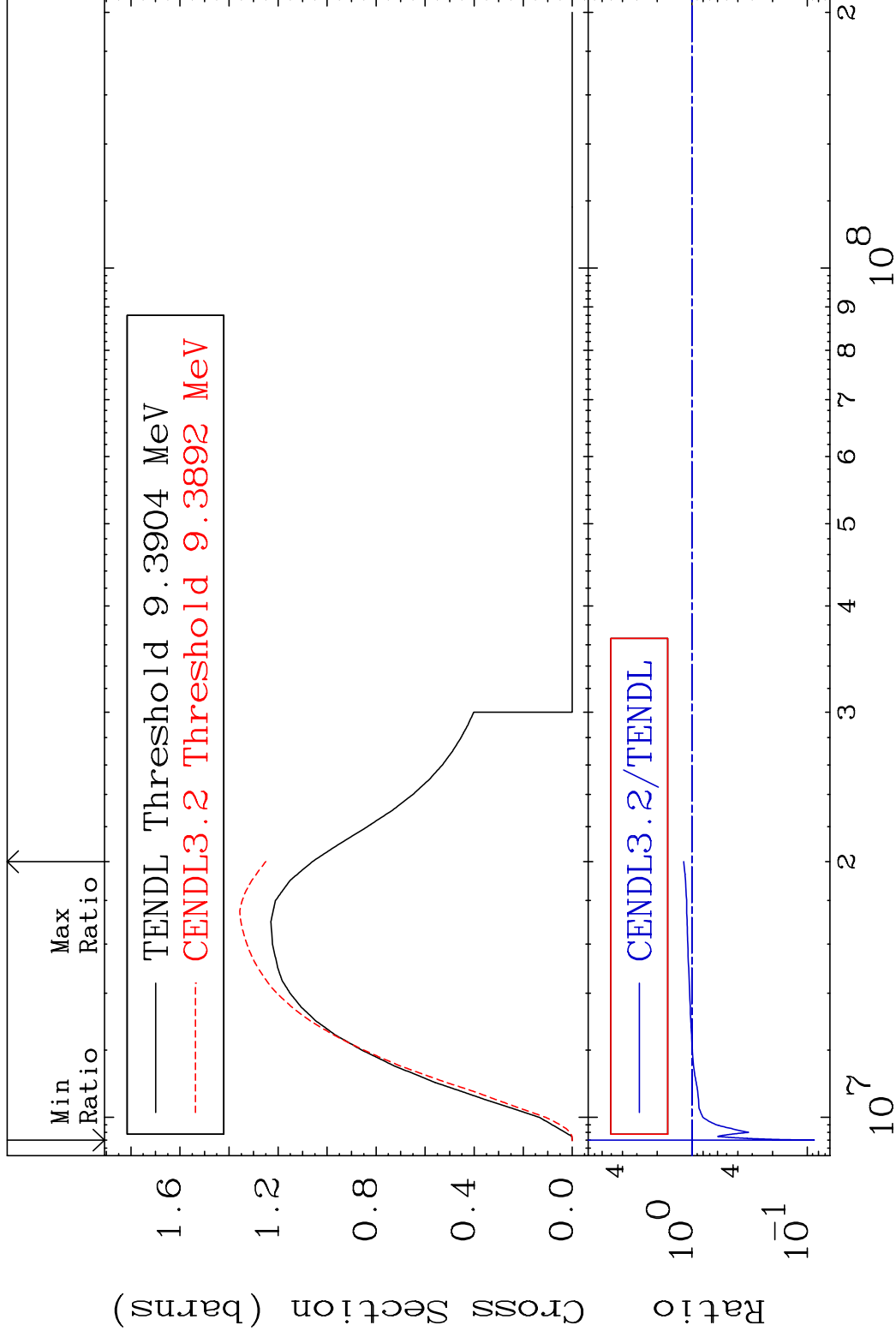
3 Incident Energy (eV) 34-Se-82

MAT 3449

(n,2n)

34-Se-82

Cross Section -91.29 To 17.94 %



4

Incident Energy (eV)

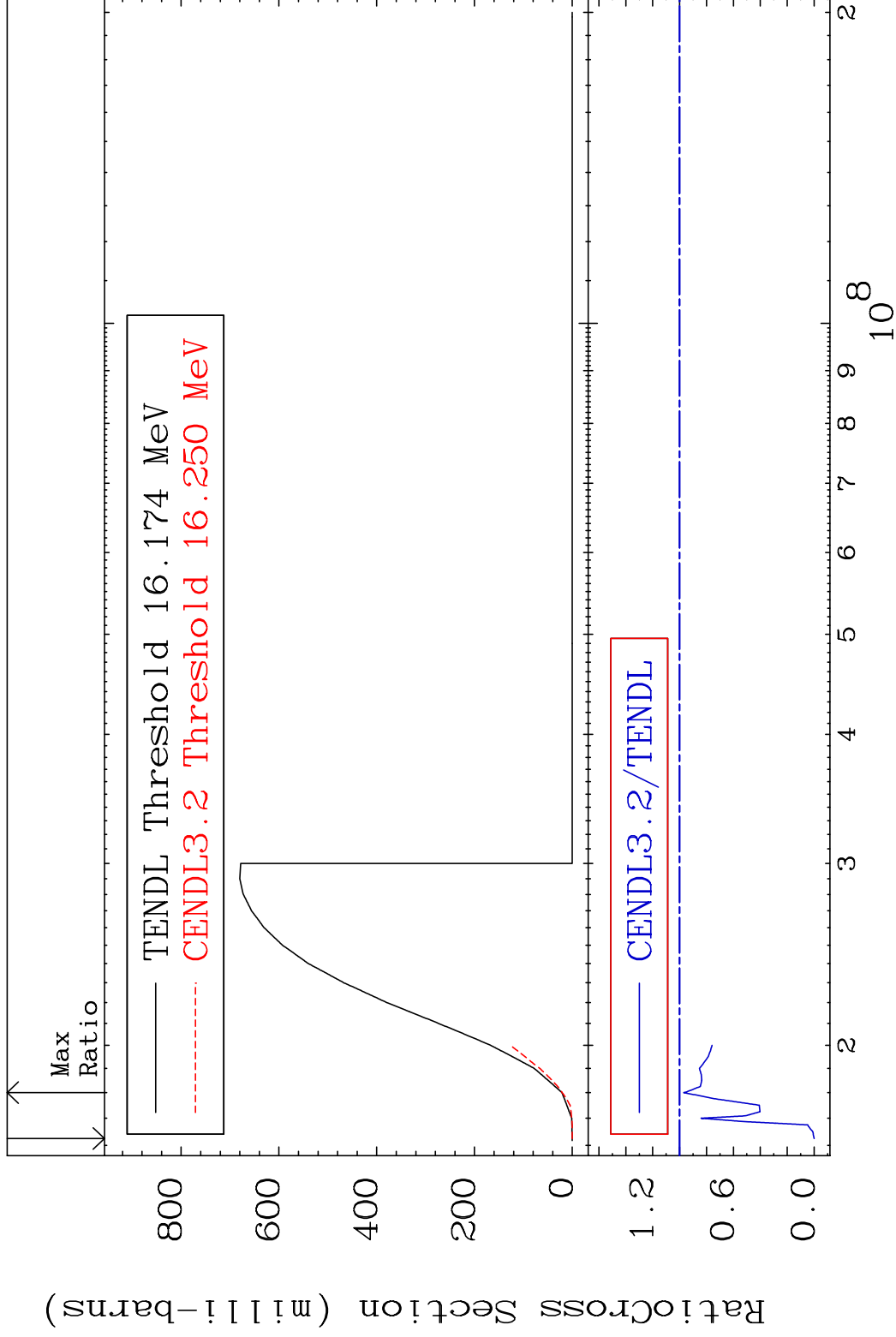
34-Se-82

MAT 3449

(n,3n)

³⁴Se-82

Cross Section -100.0 To -2.998%



5

Incident Energy (eV)

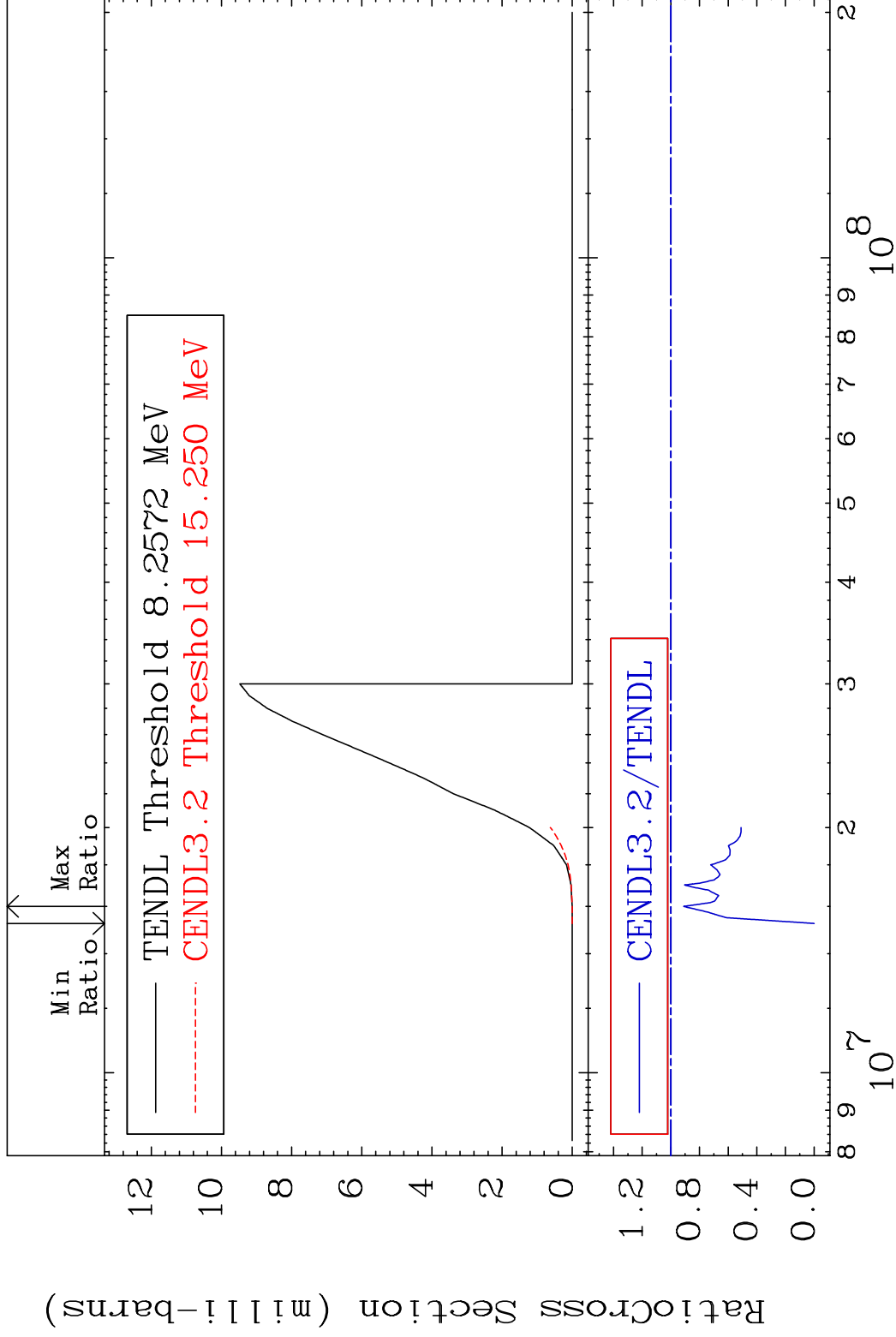
³⁴Se-82

MAT 3449

(n, n') α

34-Se-82

Cross Section -100.0 To -8.939%



6

Incident Energy (eV)

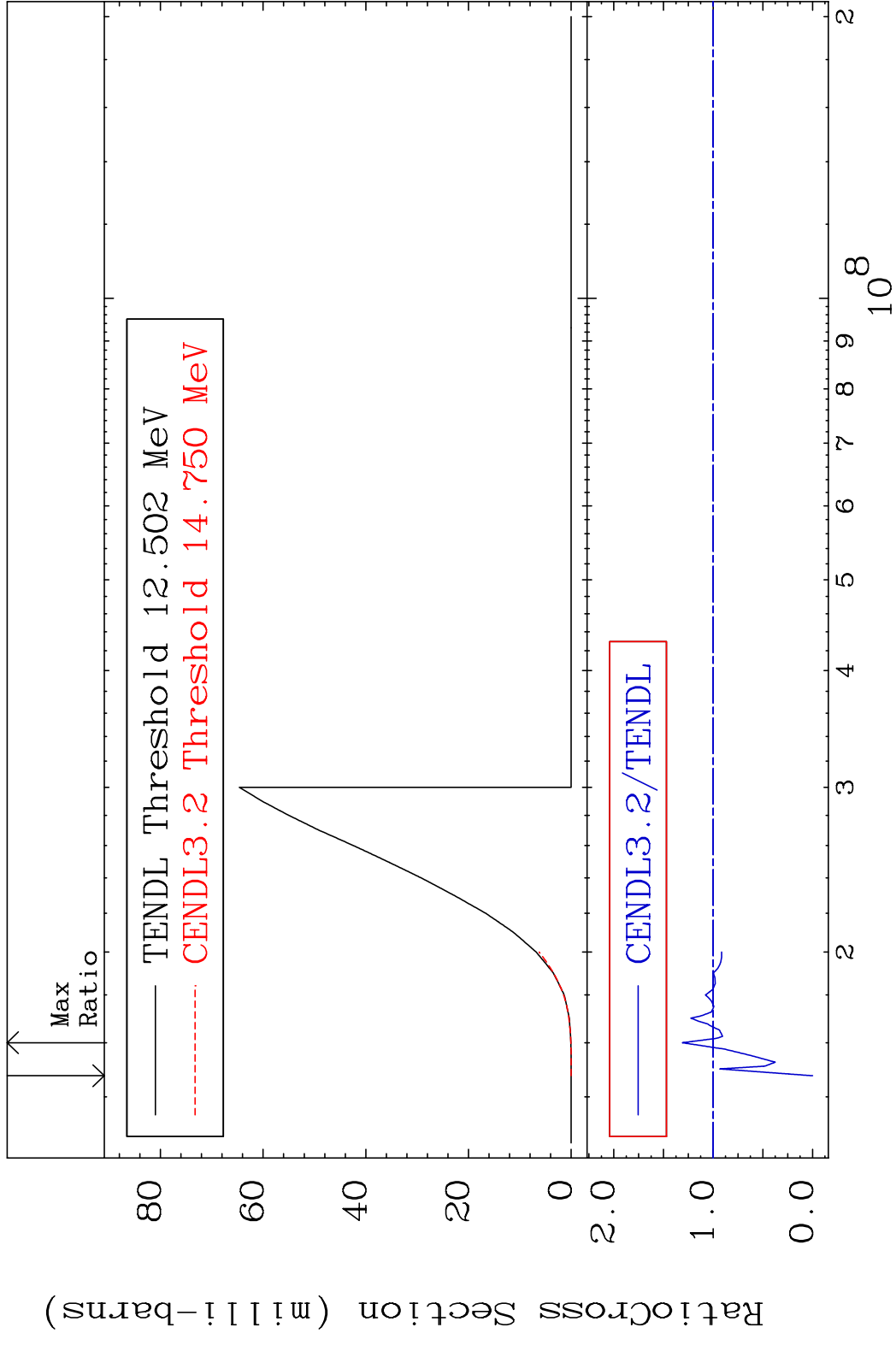
34-Se-82

MAT 3449

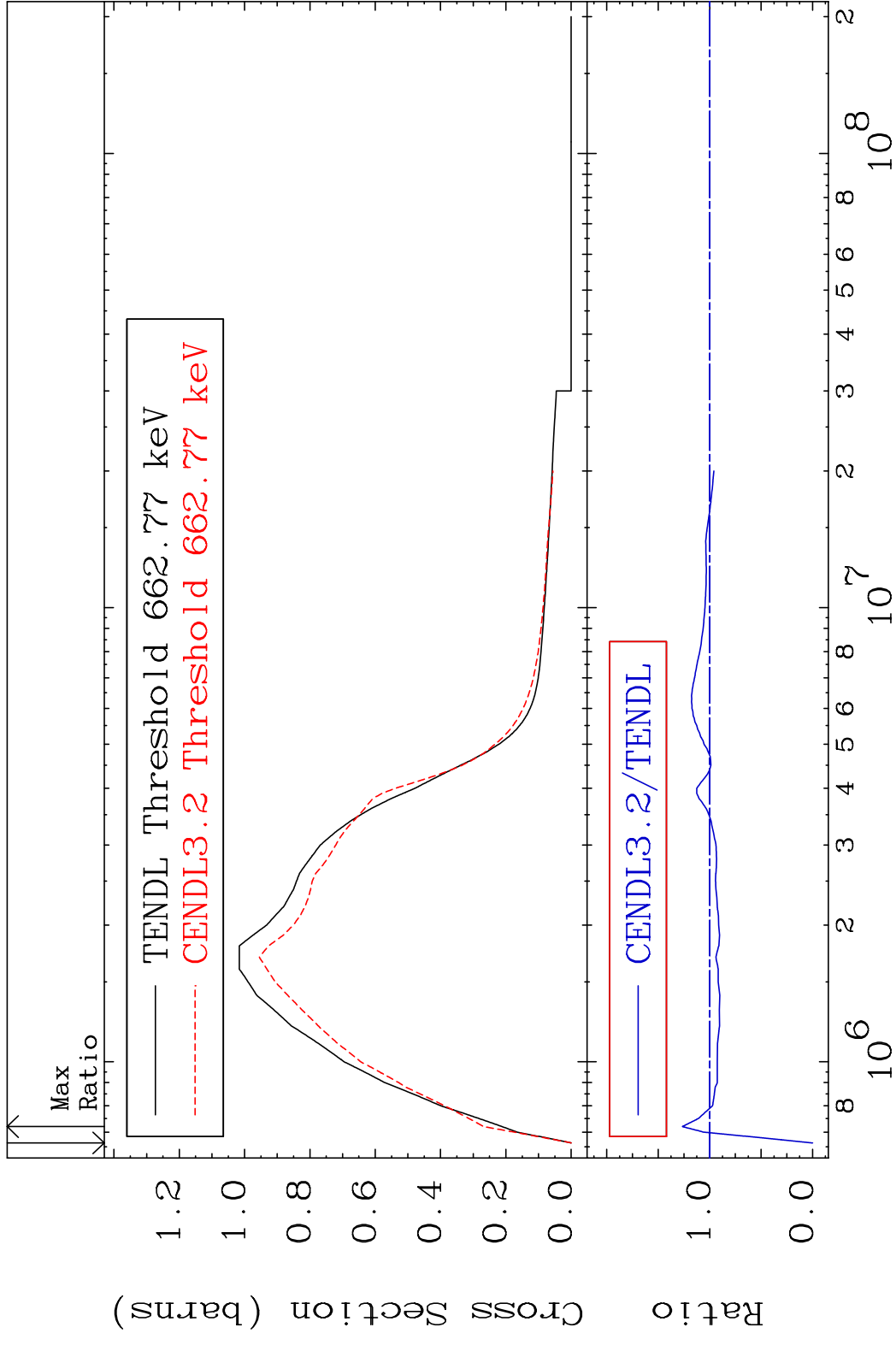
(n, n') p

³⁴Se-82

Cross Section -100.0 To 31.00 %

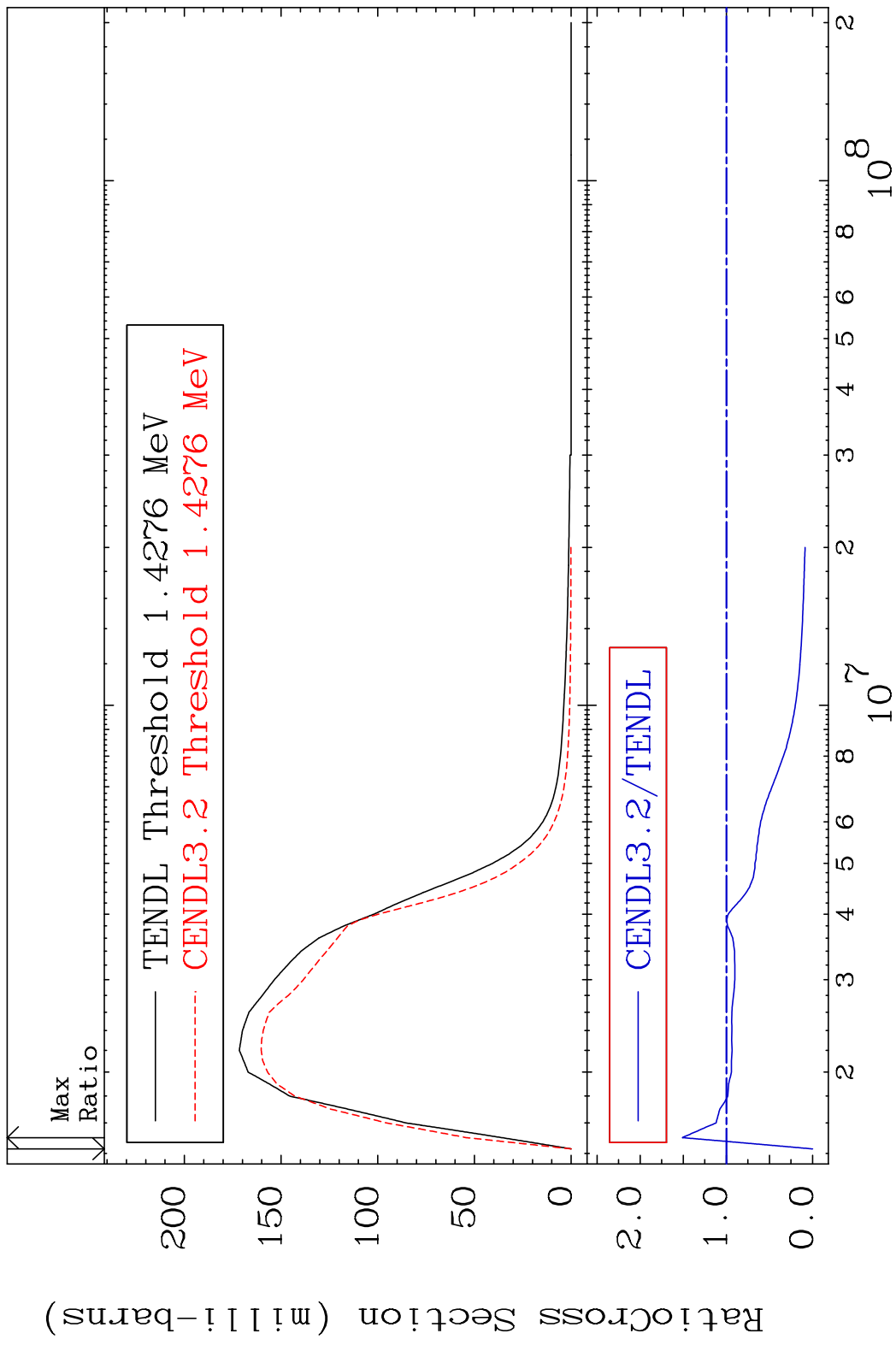


MAT 3449 MT= 51 (n,n') Level 34-Se-82
 Cross Section -100.0 To 26.55 %

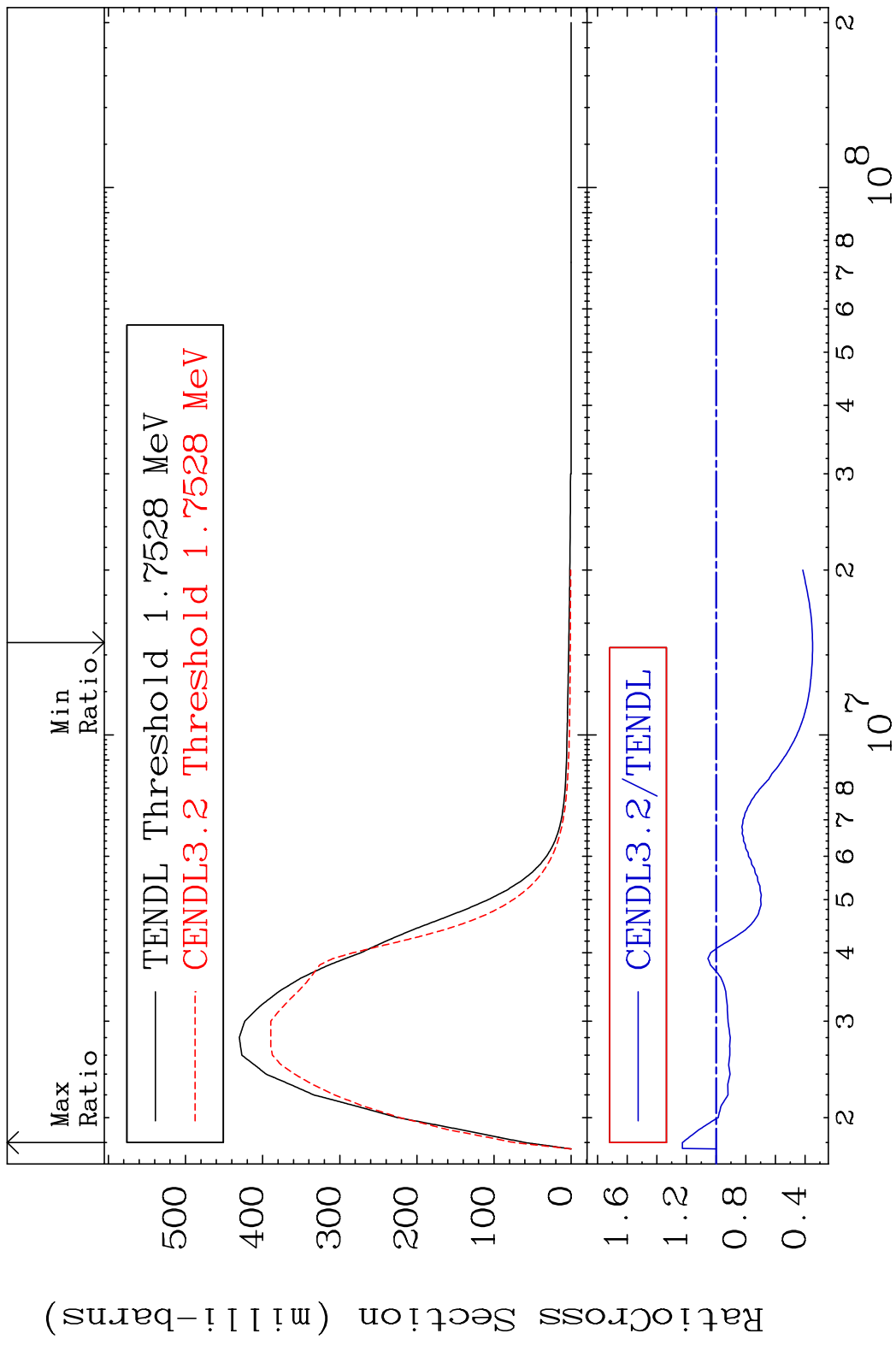


8 8 Incident Energy (eV) 34-Se-82

MAT 3449 MT= 52 (n, n') Level 34-Se-82
 Cross Section -100.0 To 51.03 %

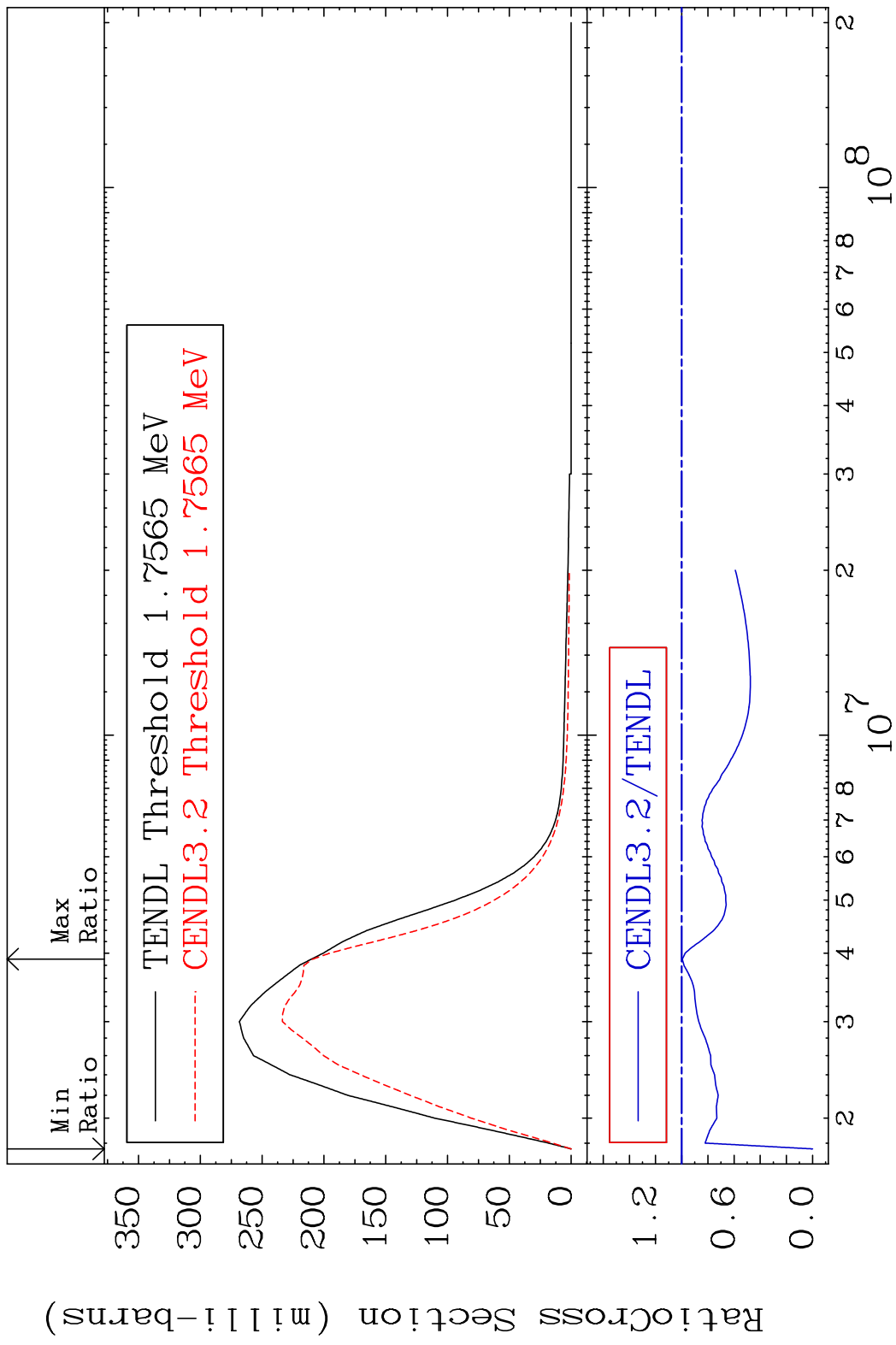


MAT 3449 MT= 53 (n, n') Level 34-Se-82
 Cross Section -65.02 To 22.76 %

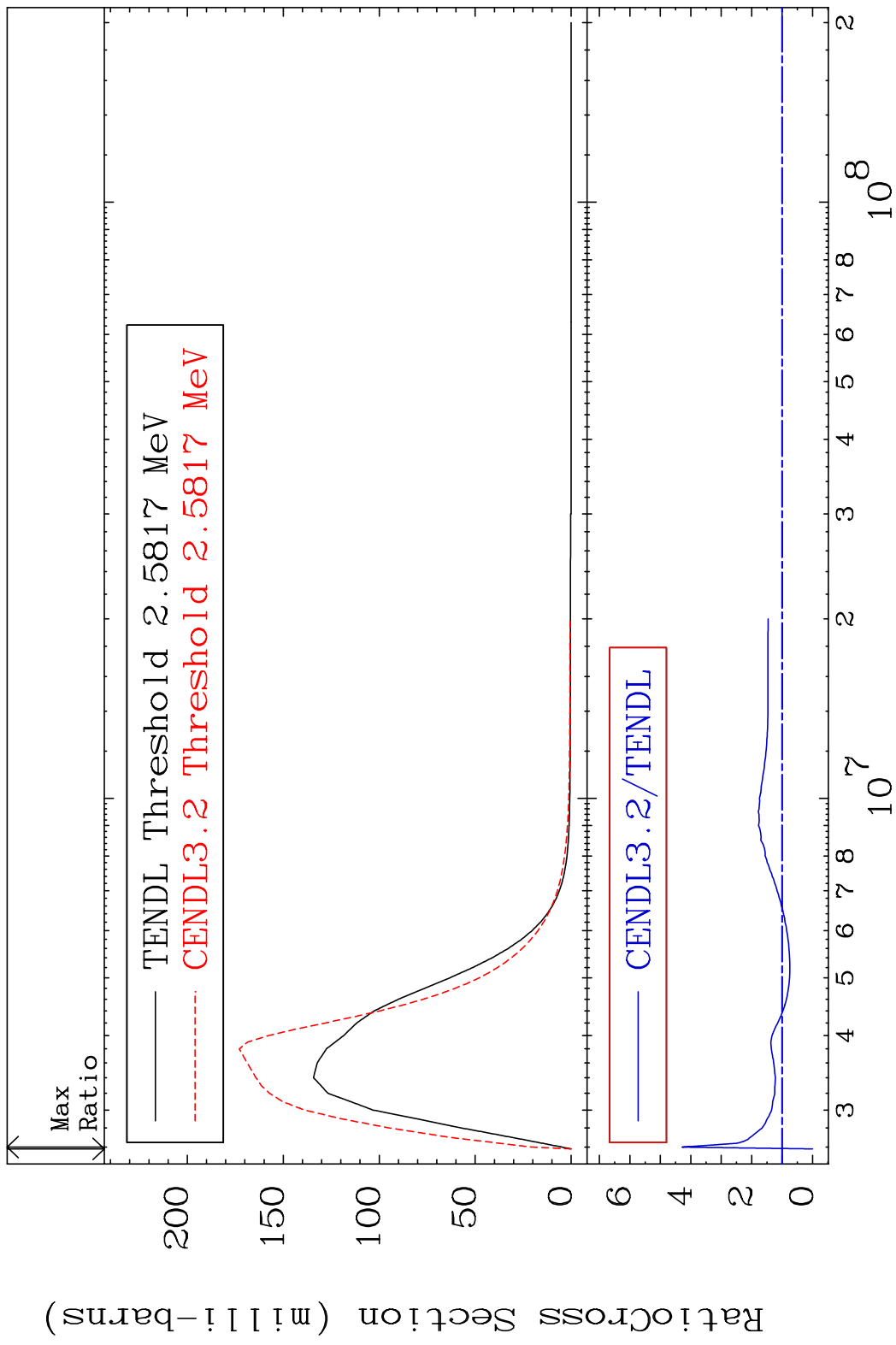


10 Incident Energy (eV) 34-Se-82

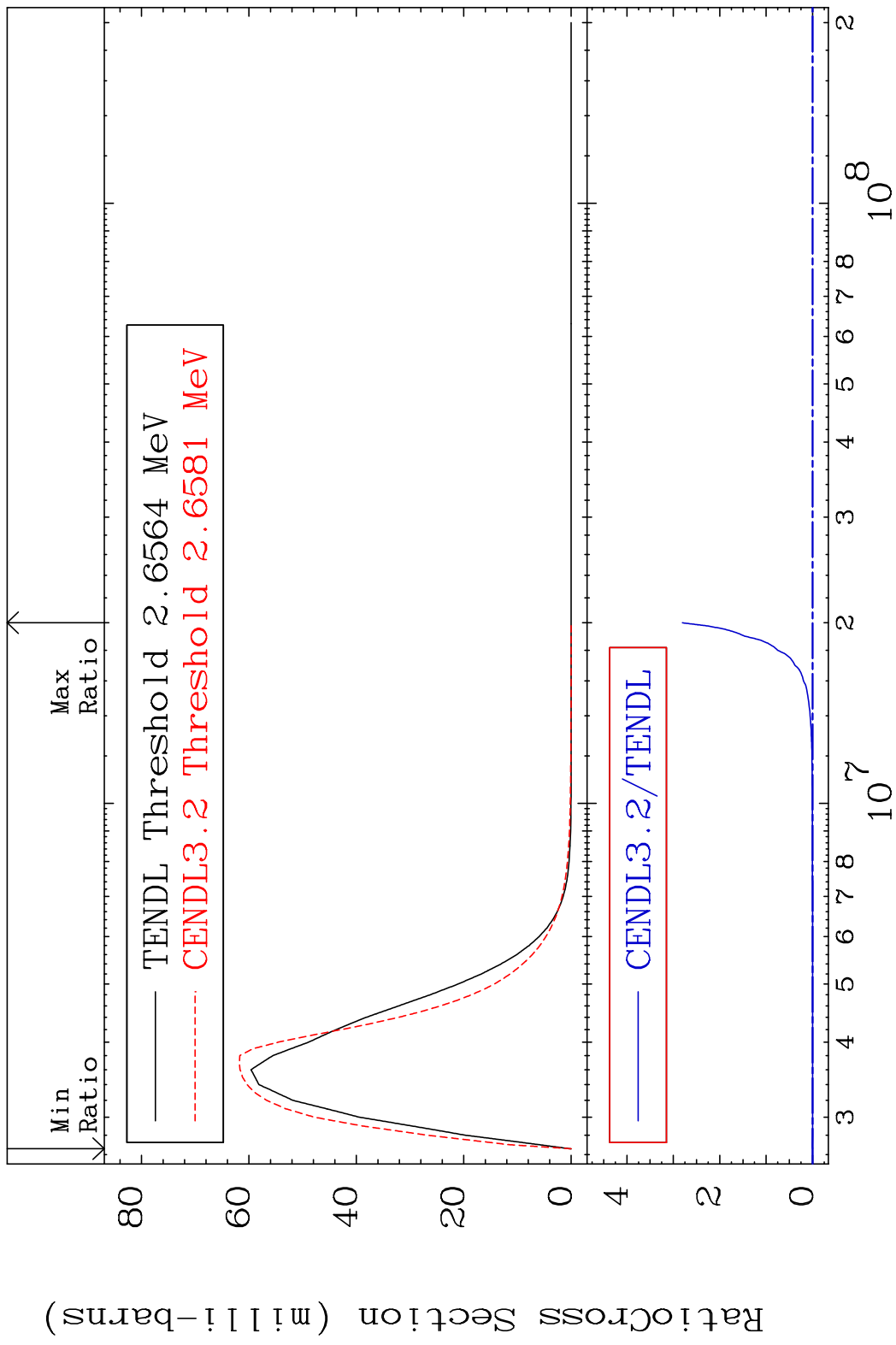
MAT 3449 MT= 54 (n, n') Level 34-Se-82
 Cross Section -100.0 To -0.473%



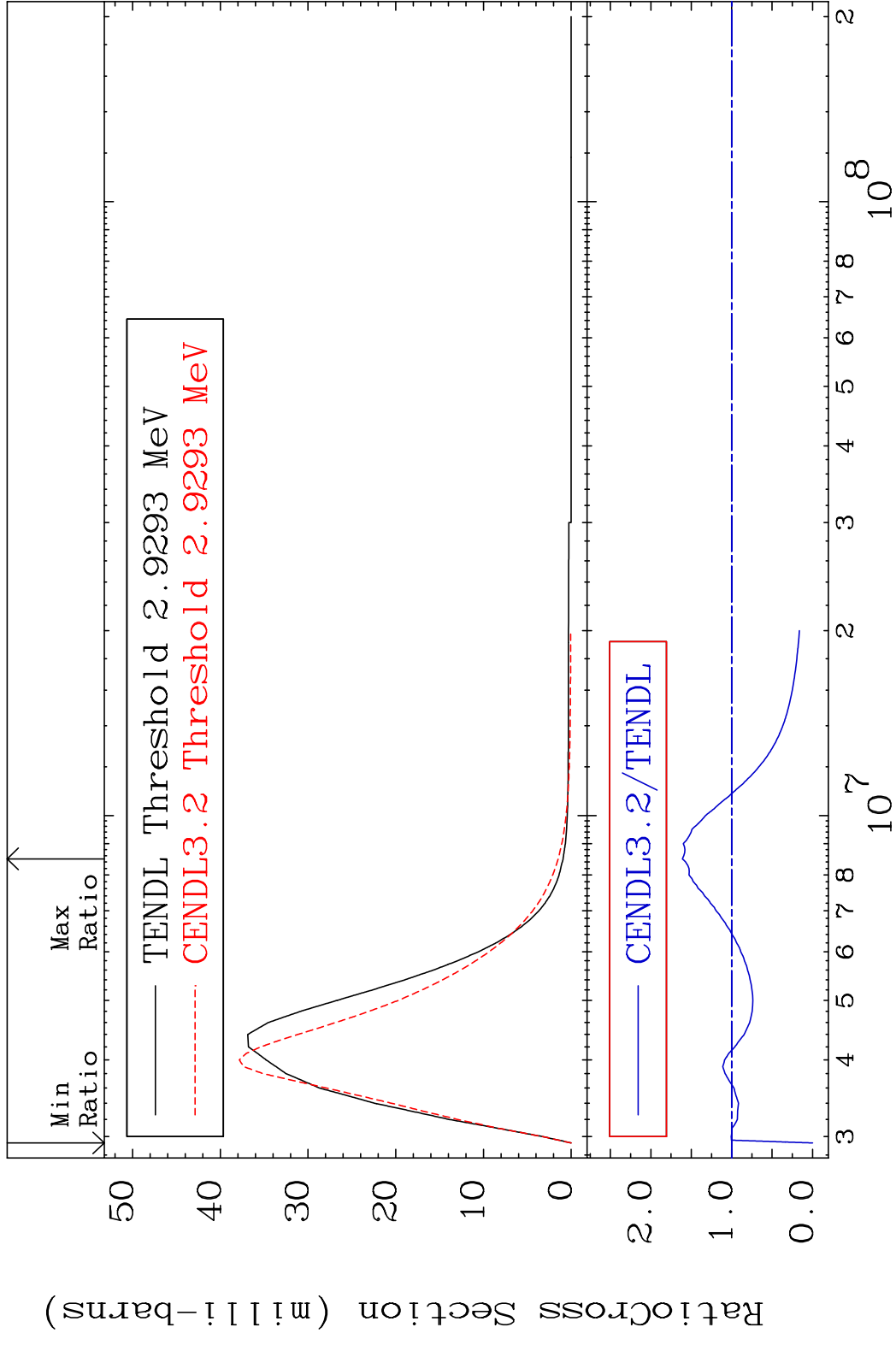
MAT 3449 MT= 55 (n, n') Level 34-Se-82
 Cross Section -100.0 To 327.7 %



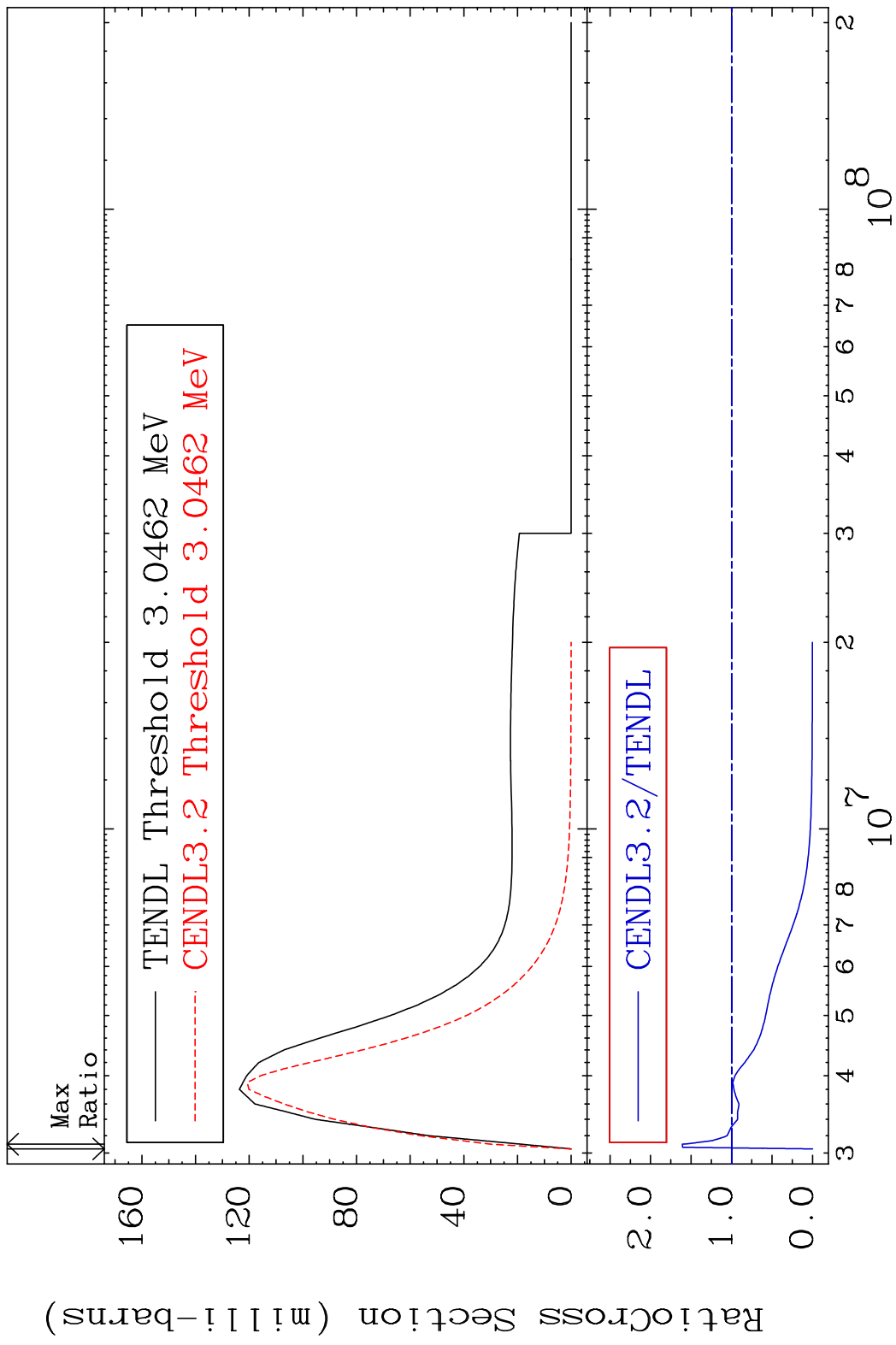
MAT 3449 MT= 56 (n, n') Level 34-Se-82
 Cross Section -100.0 To 9999. %



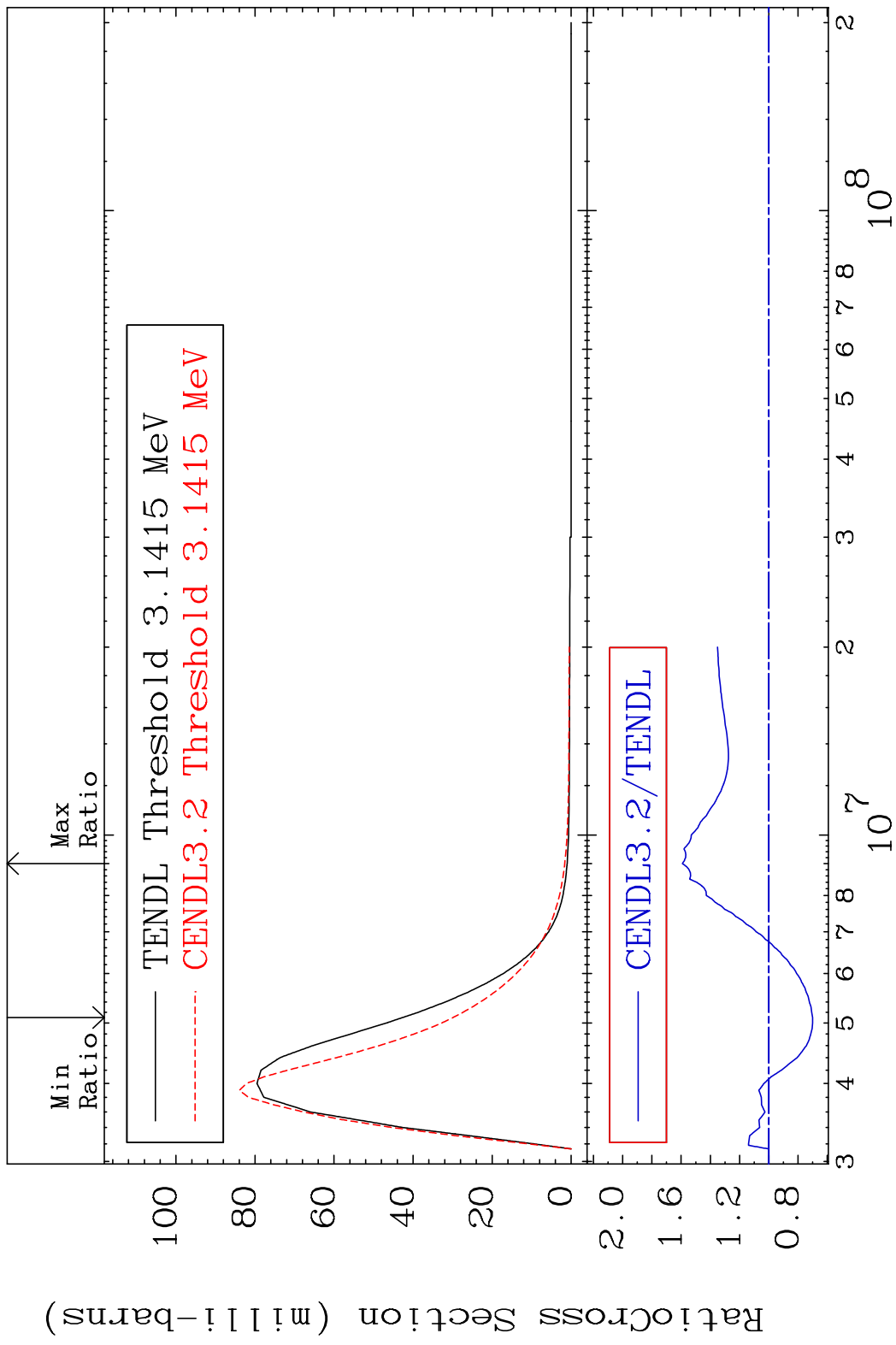
MAT 3449 MT= 57 (n, n') Level 34-Se-82
 Cross Section -100.0 To 61.01 %



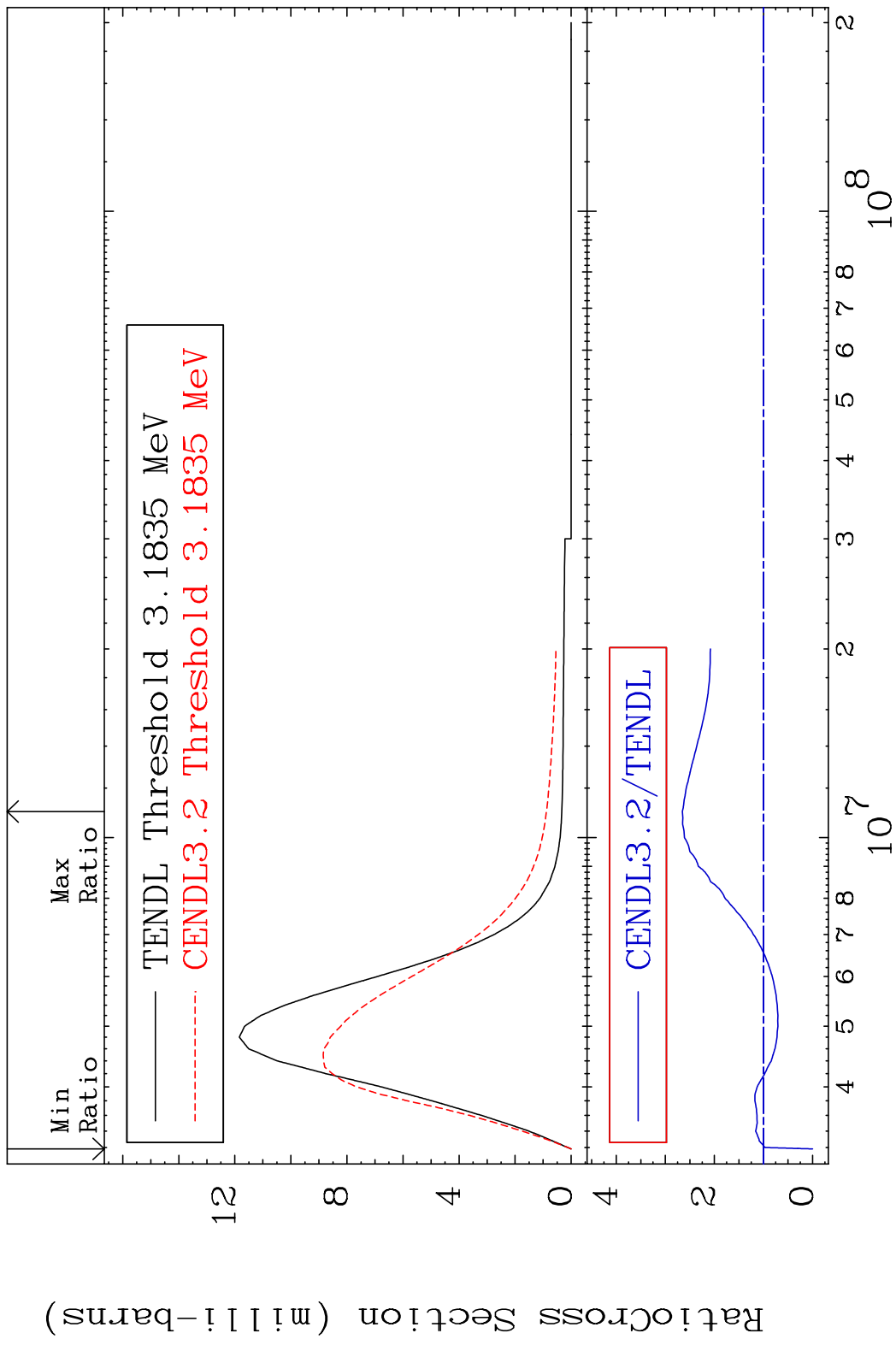
MAT 3449 MT= 58 (n,n') Level 34-Se-82
 Cross Section -100.0 To 60.74 %



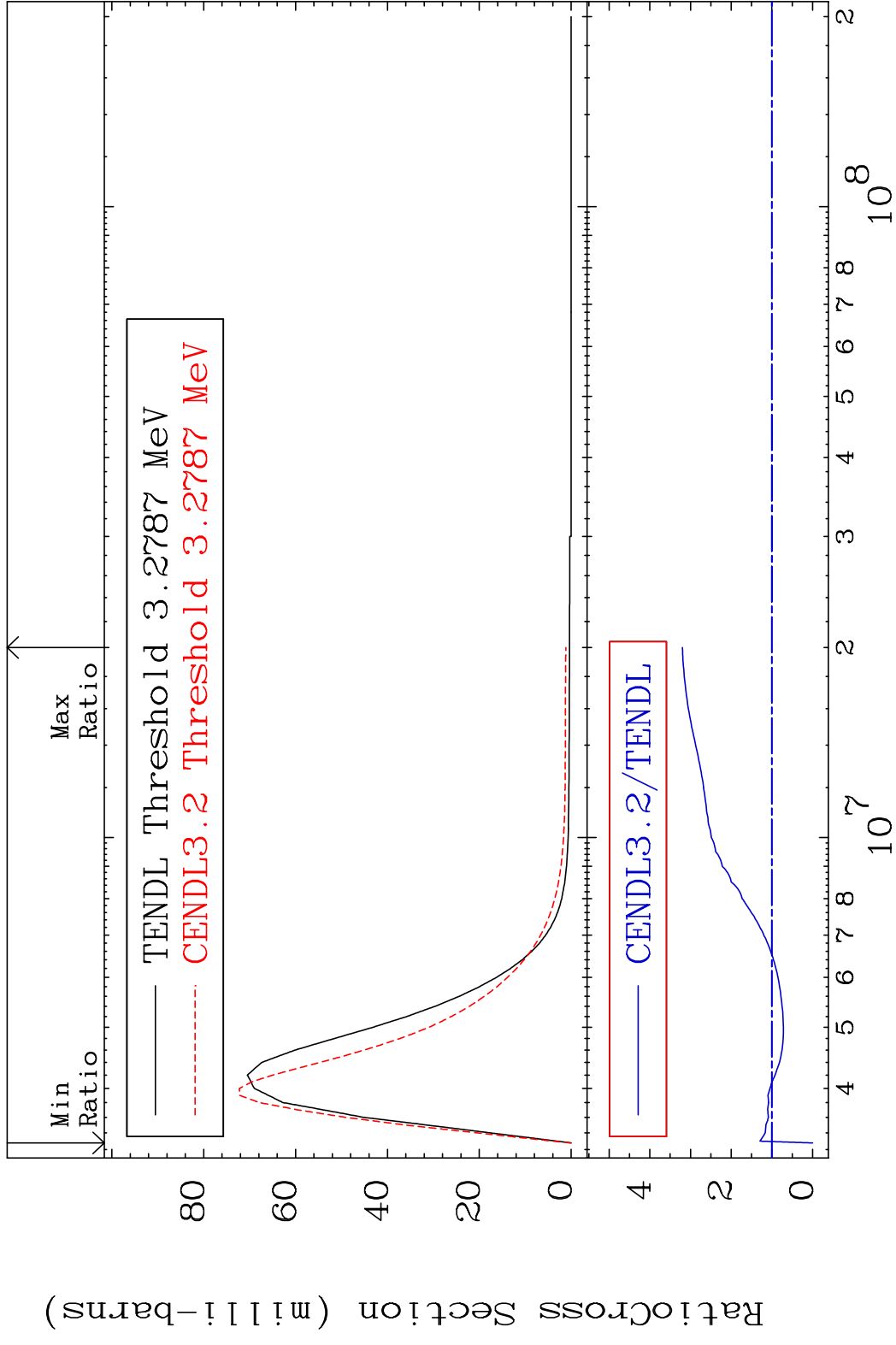
MAT 3449 MT= 59 (n,n') Level 34-Se-82
 Cross Section -29.94 To 59.16 %



MAT 3449 MT= 60 (n, n') Level 34-Se-82
 Cross Section -100.0 To 165.3 %



MAT 3449 MT= 61 (n, n') Level 34-Se-82
 Cross Section -100.0 To 220.0 %

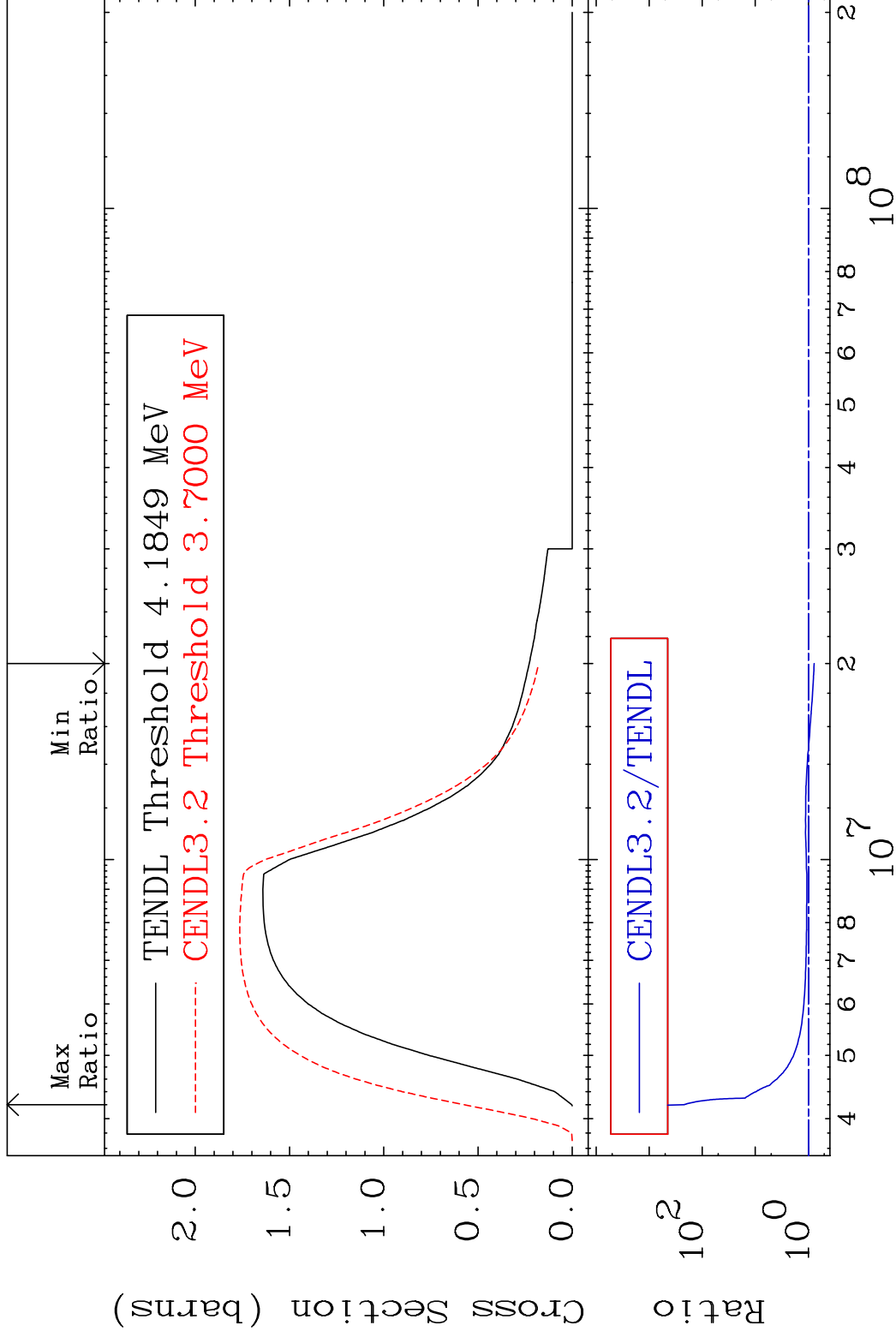


MAT 3449

(n,n') Continuum

34-Se-82

Cross Section -22.15 To 9999. %

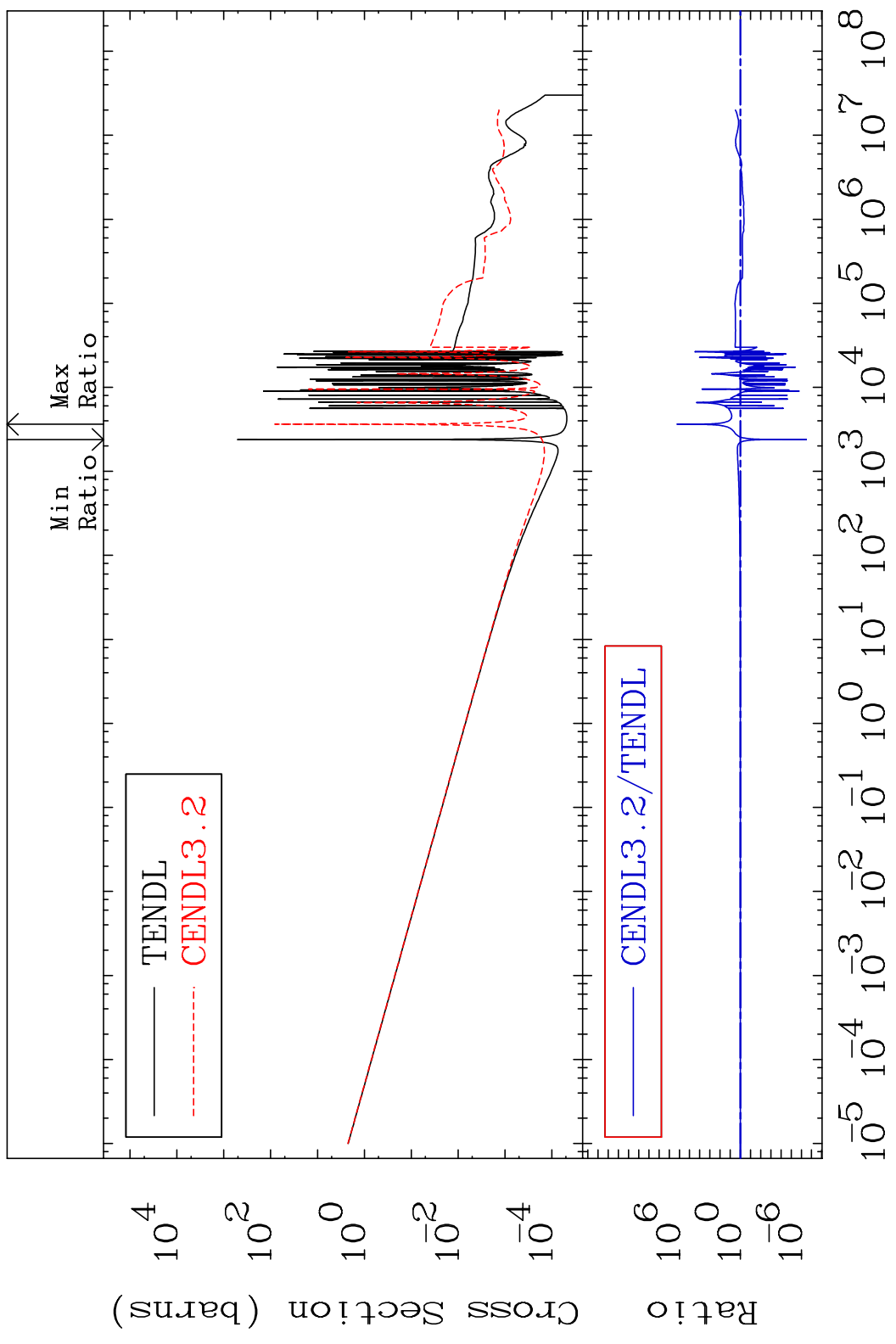


MAT 3449

(n, γ)

34-Se-82

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

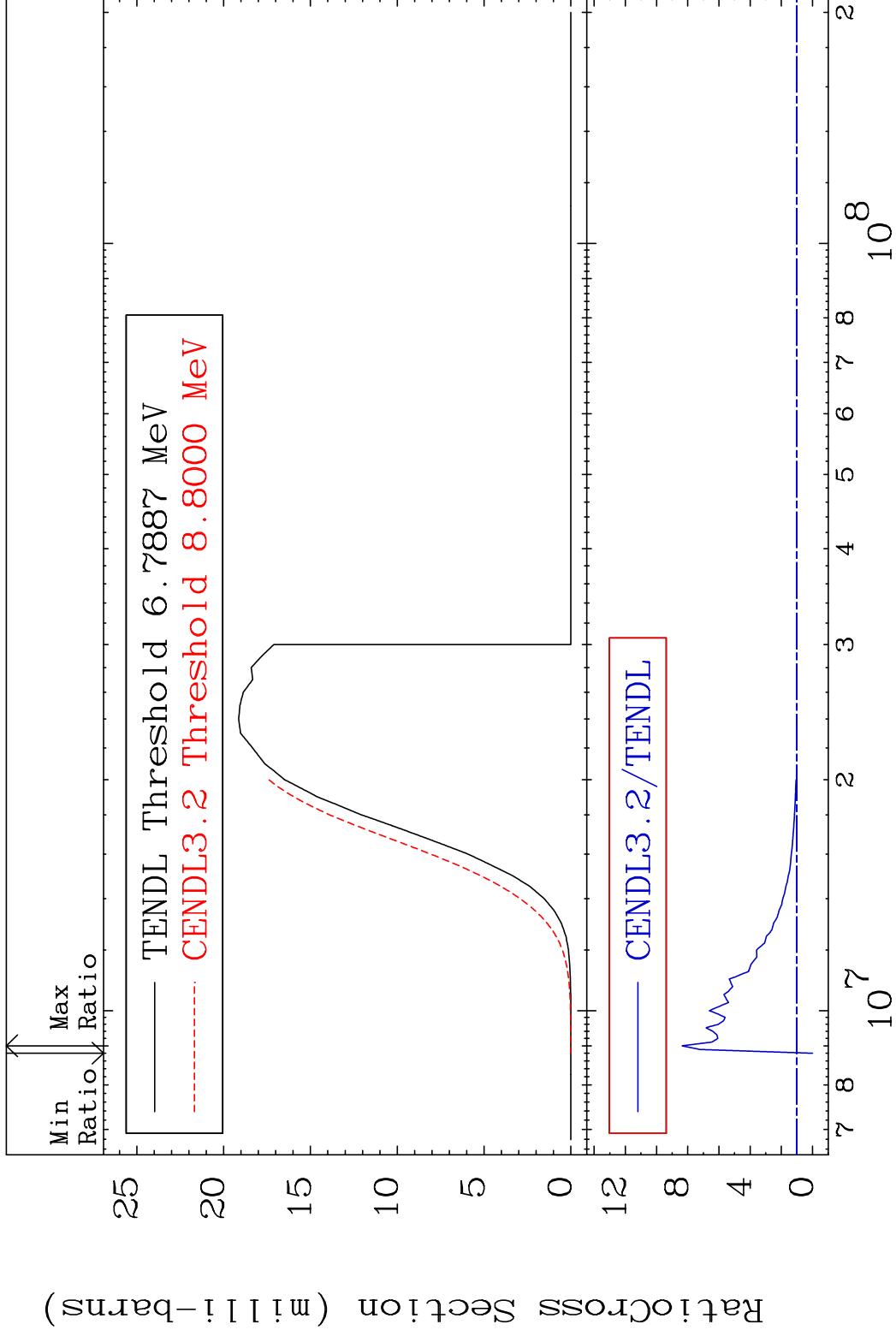
34-Se-82

MAT 3449

(n, p)

³⁴Se-82

Cross Section -100.0 To 735.7 %



21

Incident Energy (eV)

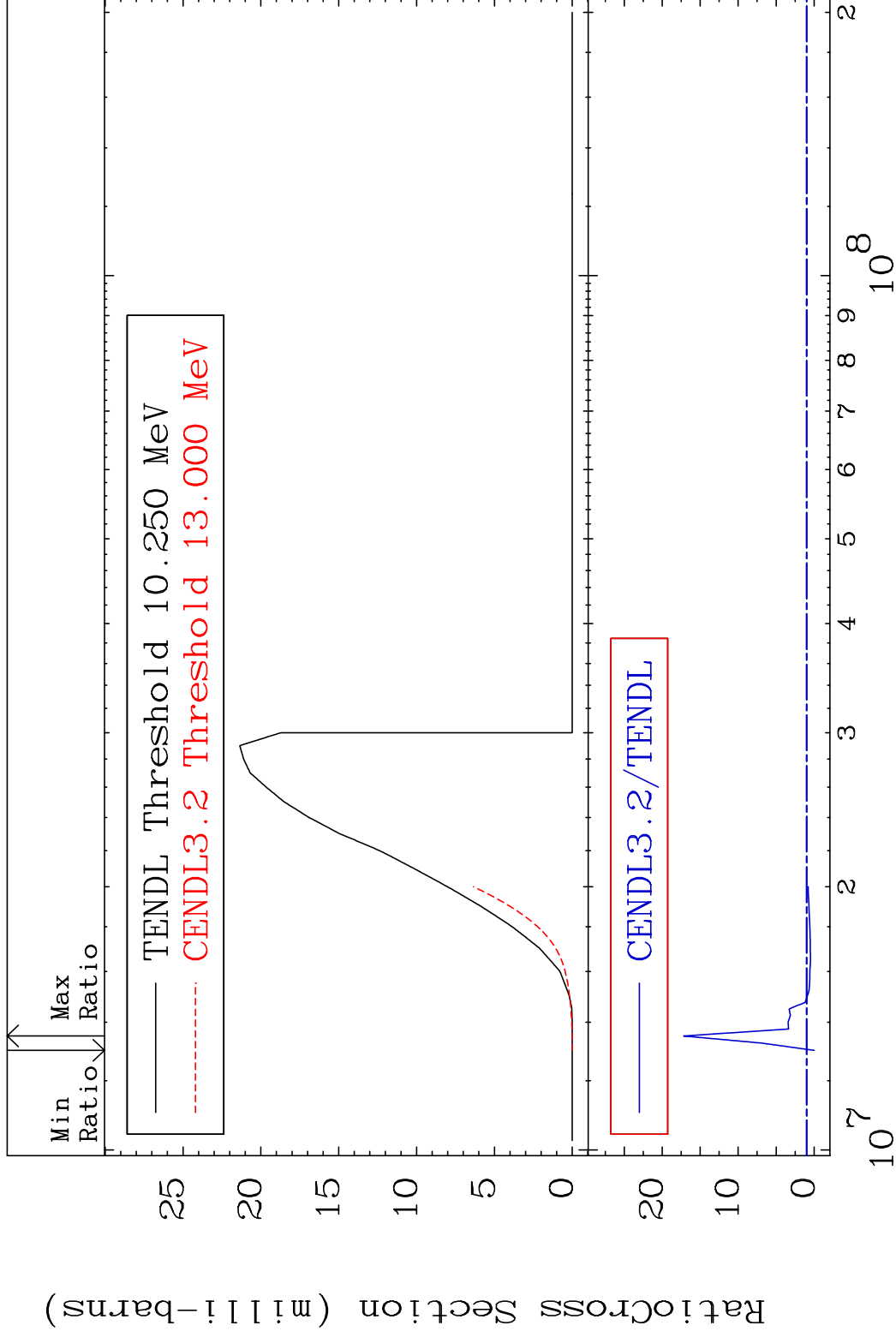
³⁴Se-82

MAT 3449

(n,d)

34-Se-82

Cross Section -100.0 To 1618. %



22

Incident Energy (eV)

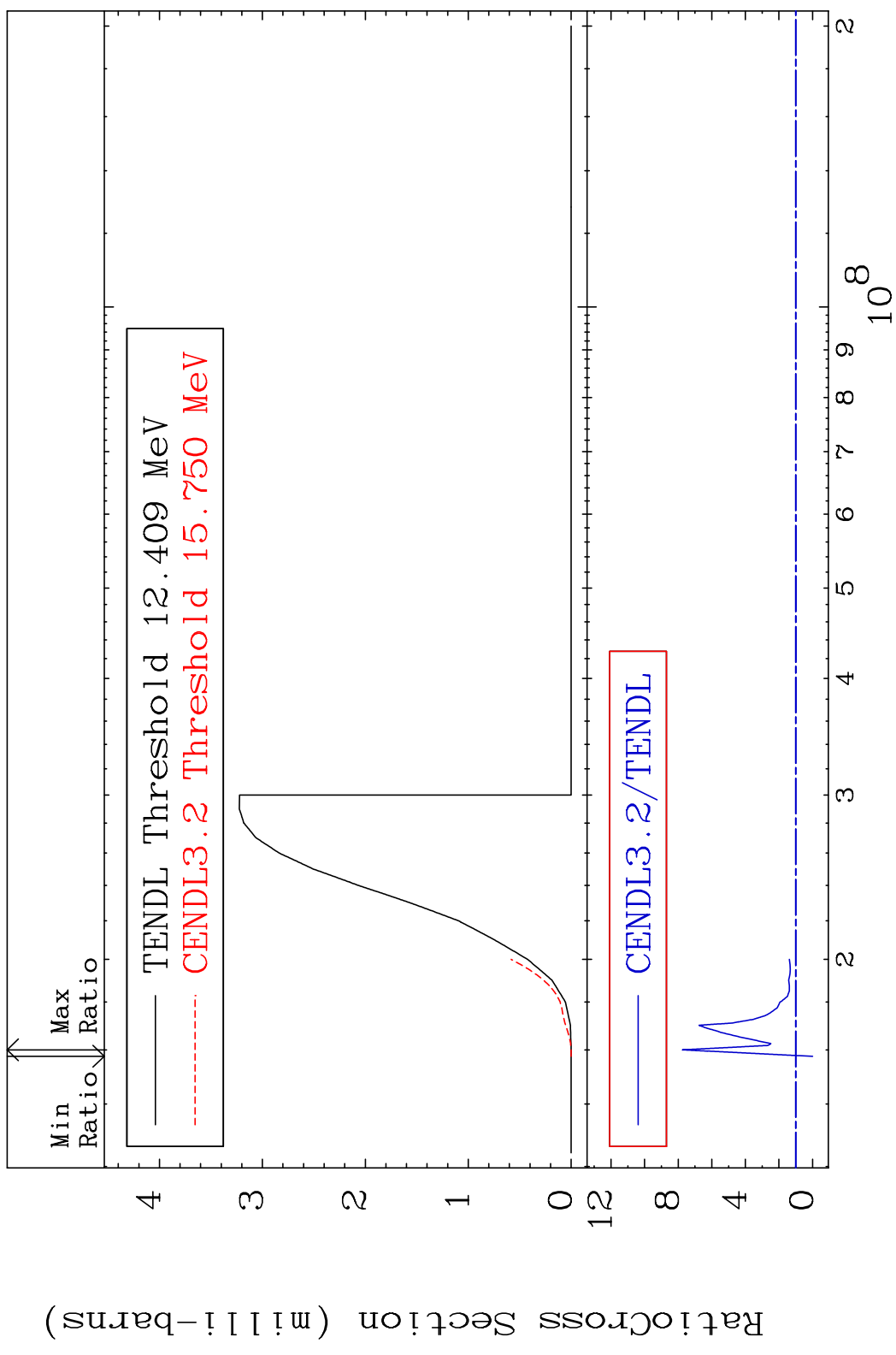
34-Se-82

MAT 3449

(n, t)

34-Se-82

Cross Section -100.0 To 675.1 %

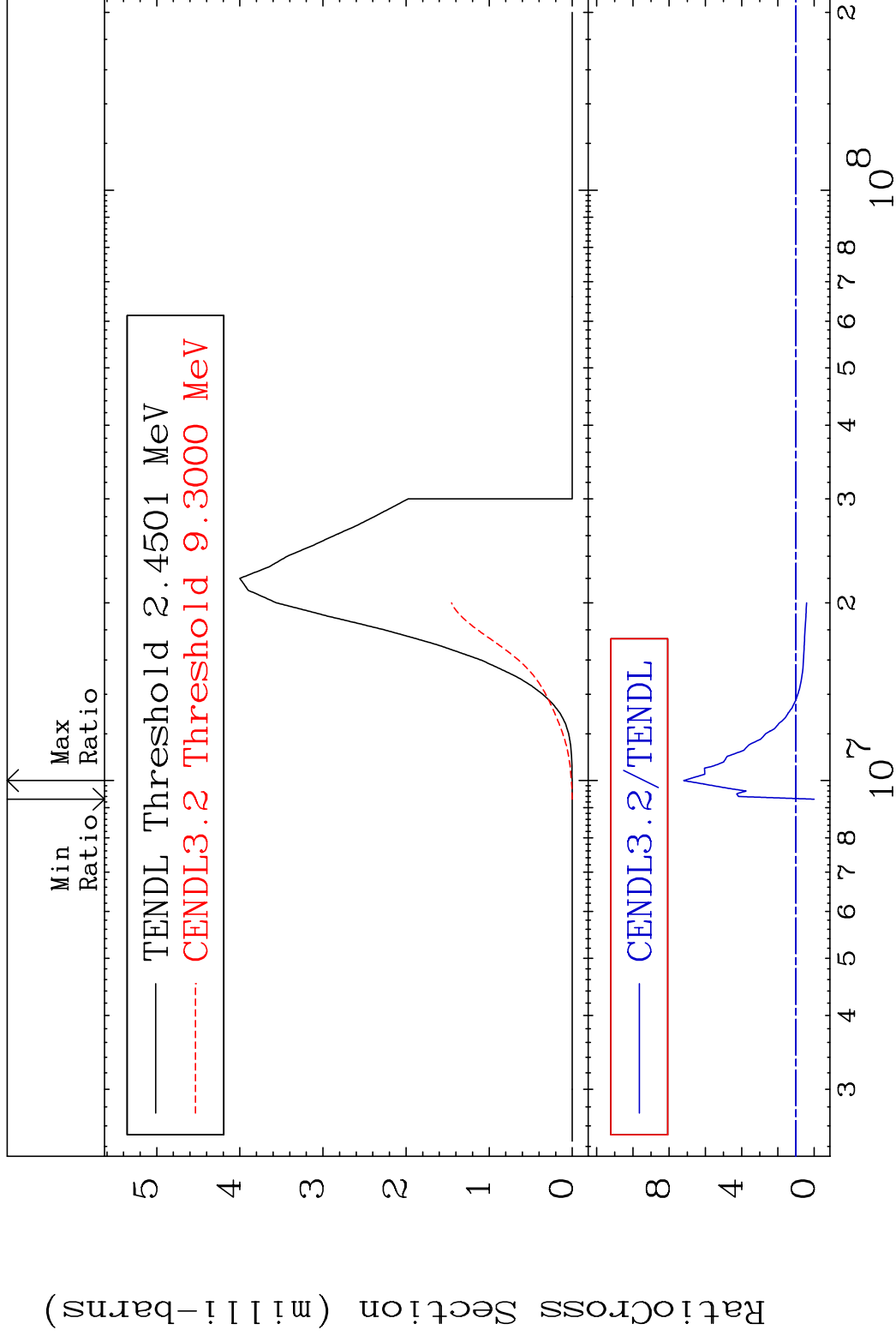


MAT 3449

(n, α)

³⁴Se-82

Cross Section -100.0 To 619.8 %



24

Incident Energy (eV)

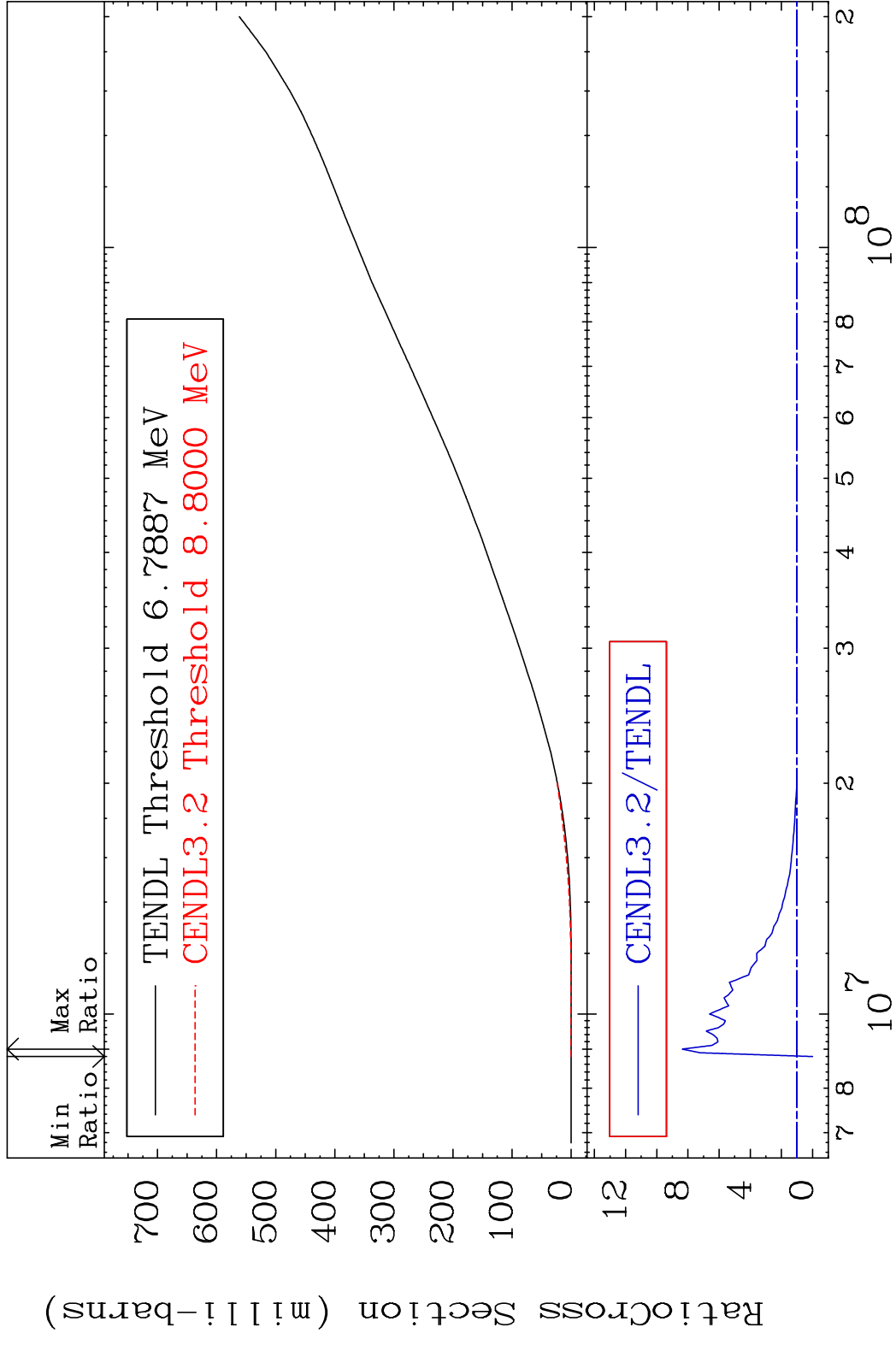
³⁴Se-82

MAT 3449

Hydrogen Production

³⁴Se-82

Cross Section -100.0 To 735.7 %

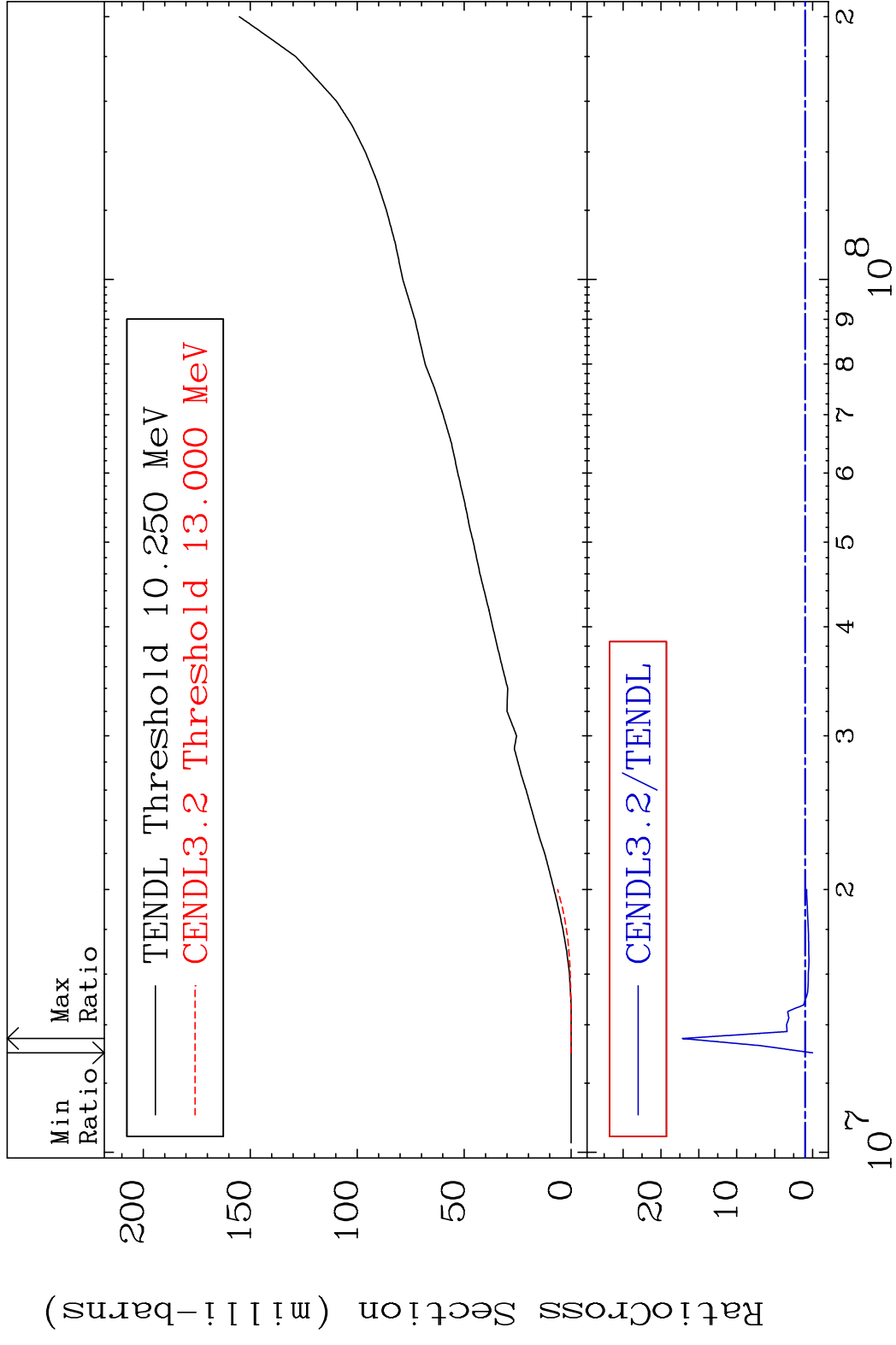


MAT 3449

Deuterium Production

34-Se-82

Cross Section -100.0 To 1618. %

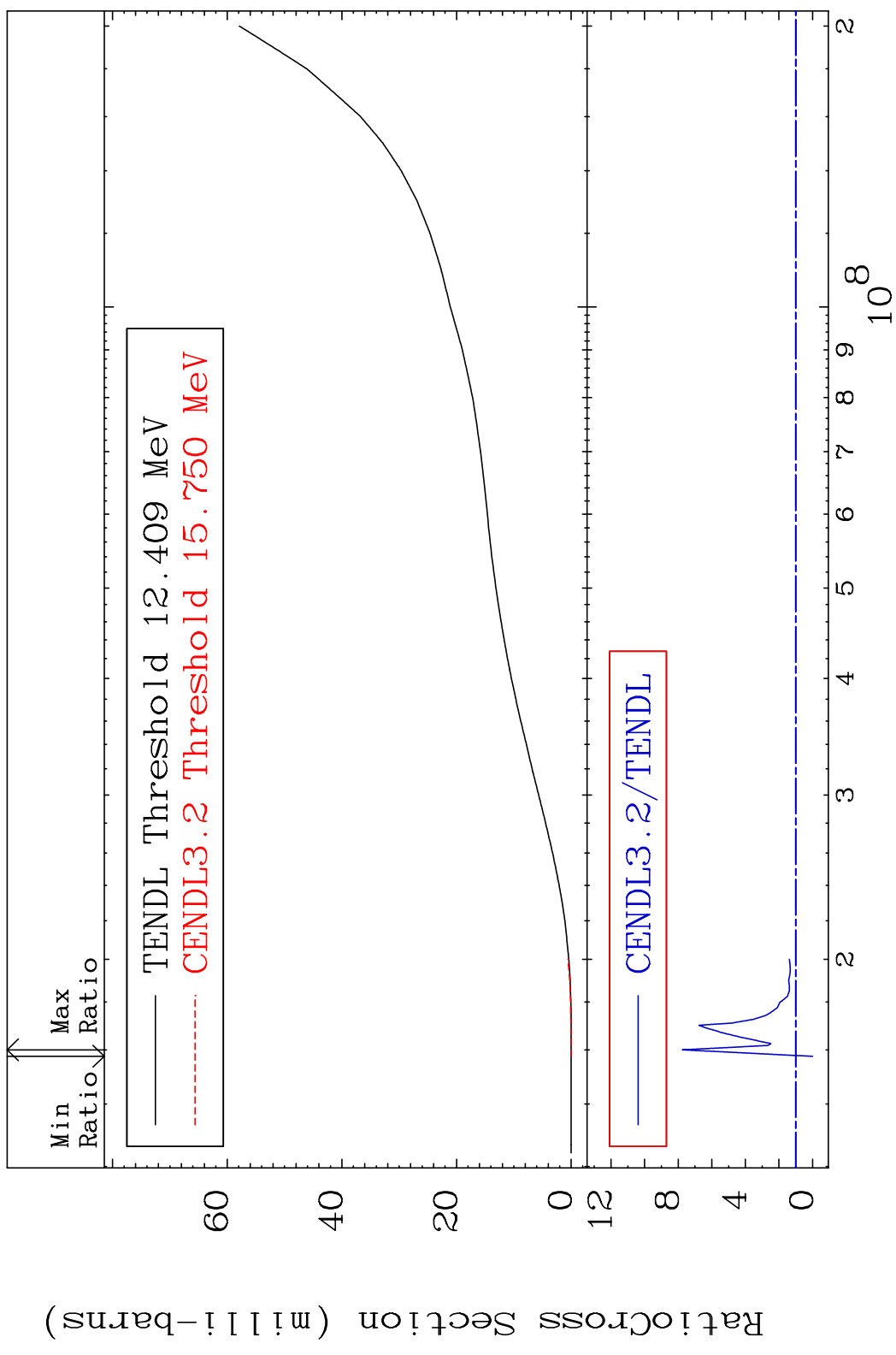


26

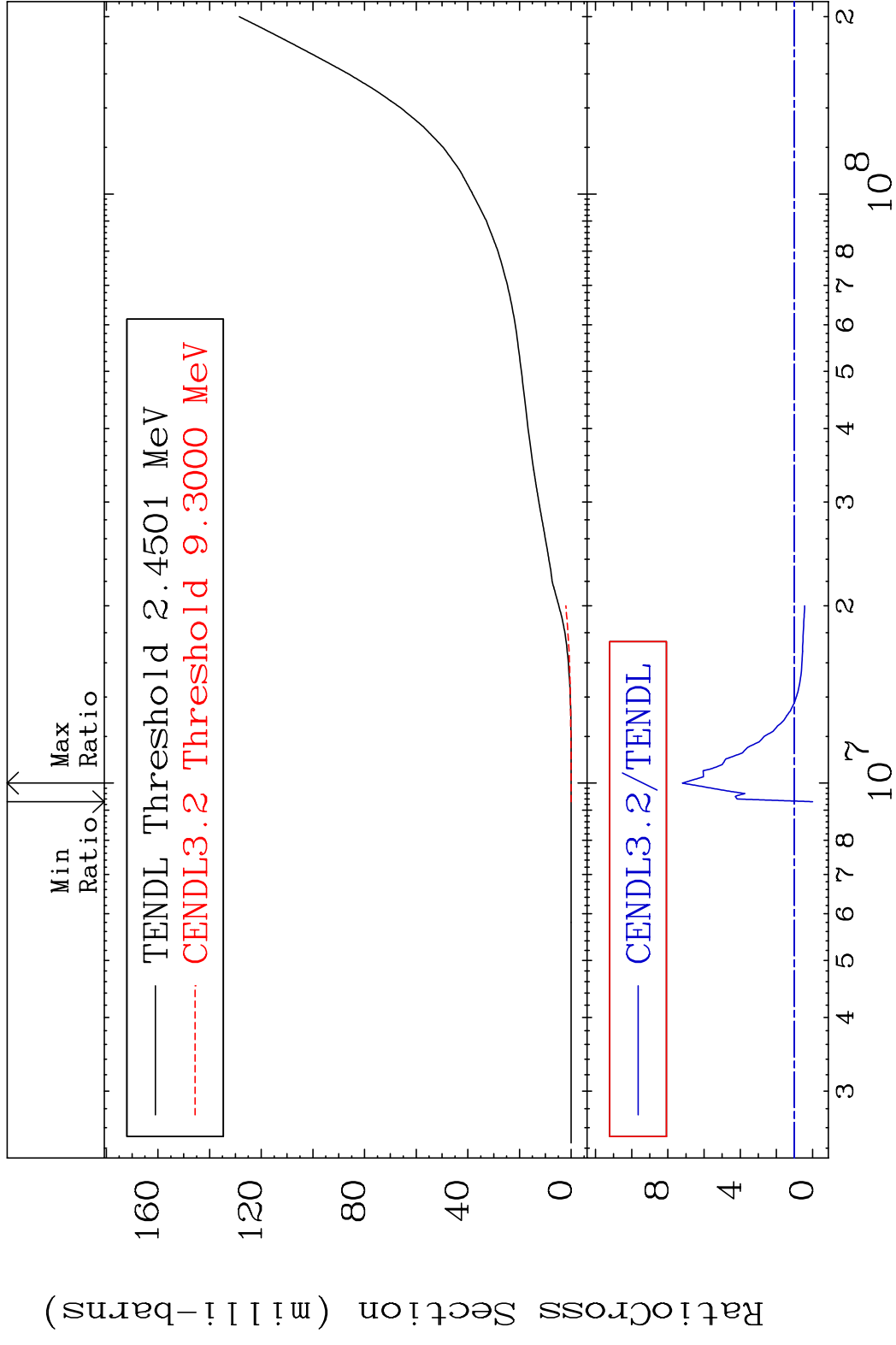
Incident Energy (eV)

34-Se-82

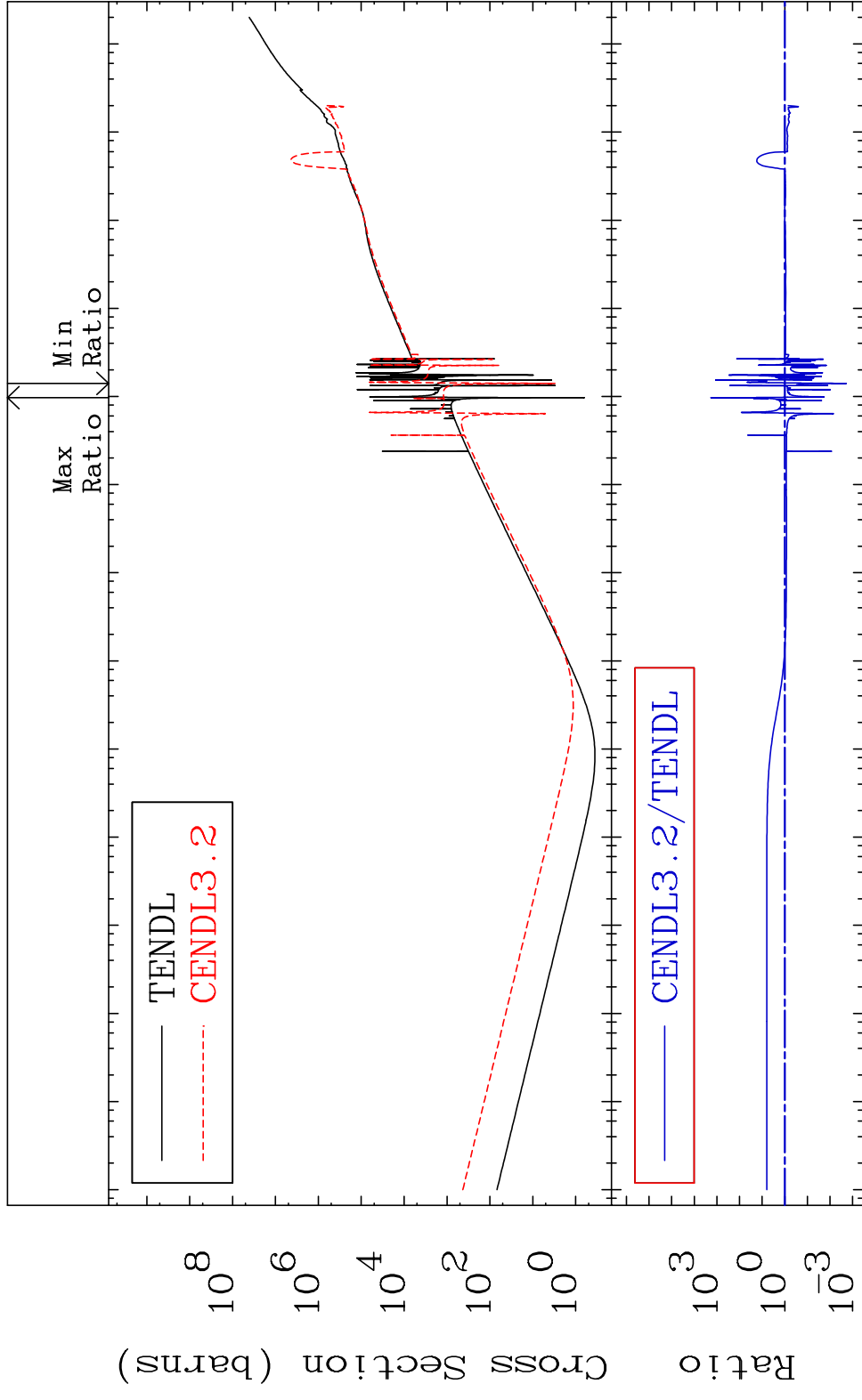
Cross Section -100.0 To 675.1 %



MAT 3449 He-4 Production 34-Se-82
 Cross Section -100.0 To 619.8 %



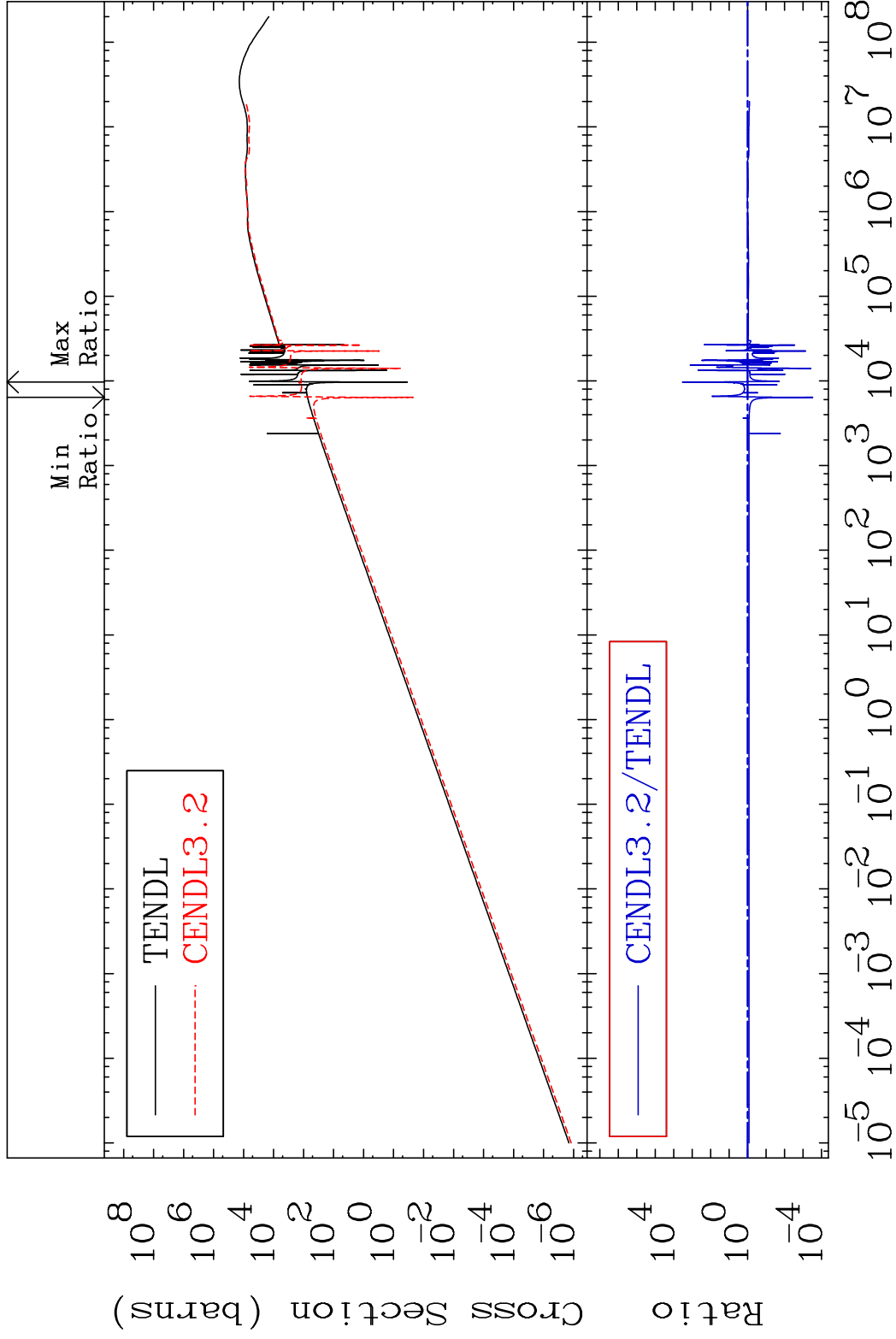
MAT 3449 Kerma total (eV-barns) 34-Se-82
 Cross Section -99.81 To 9999. %



MAT 3449

Kerma elastic
Cross Section

34-Se-82
-99.97 To 9999. %

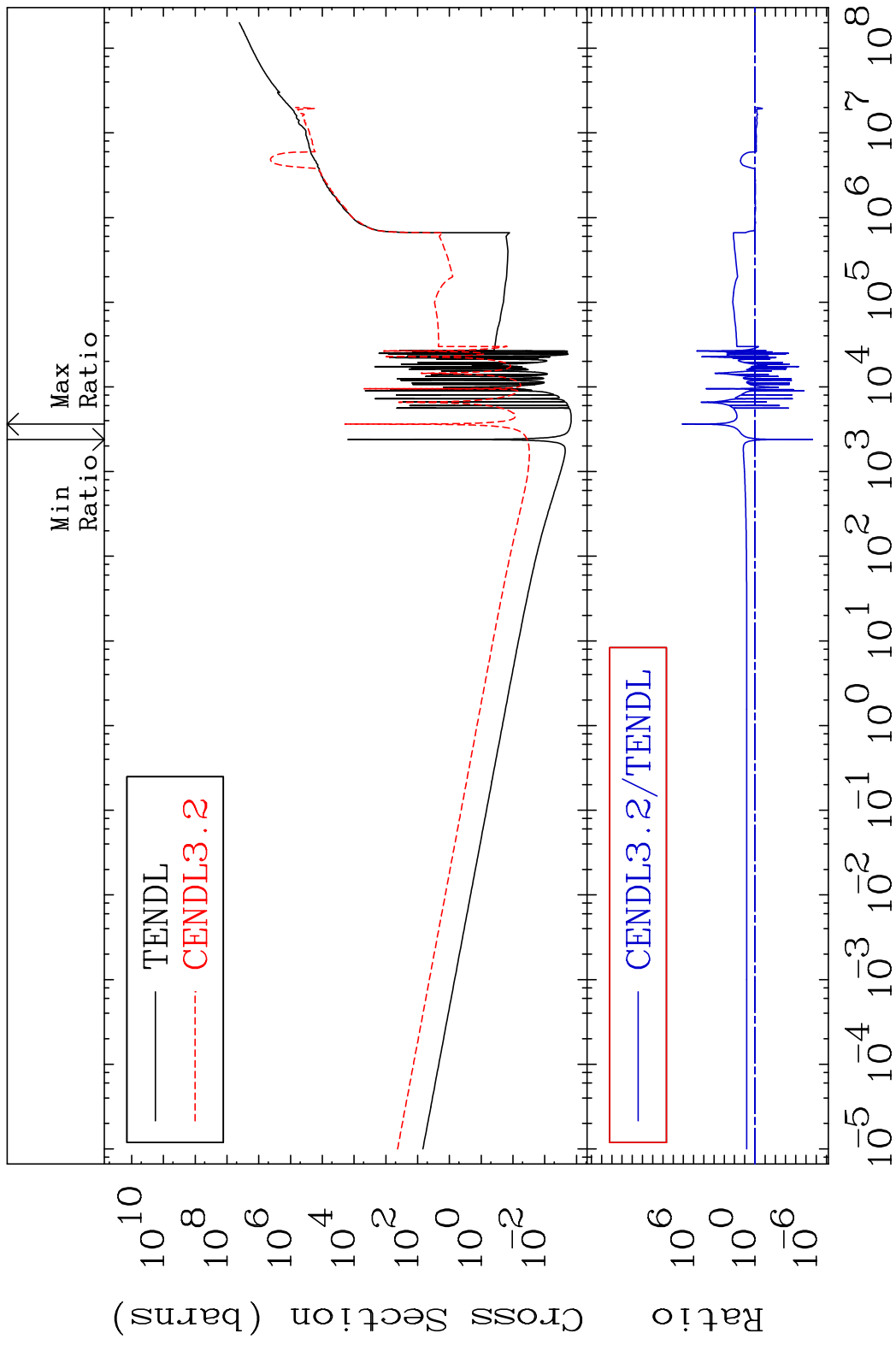


30

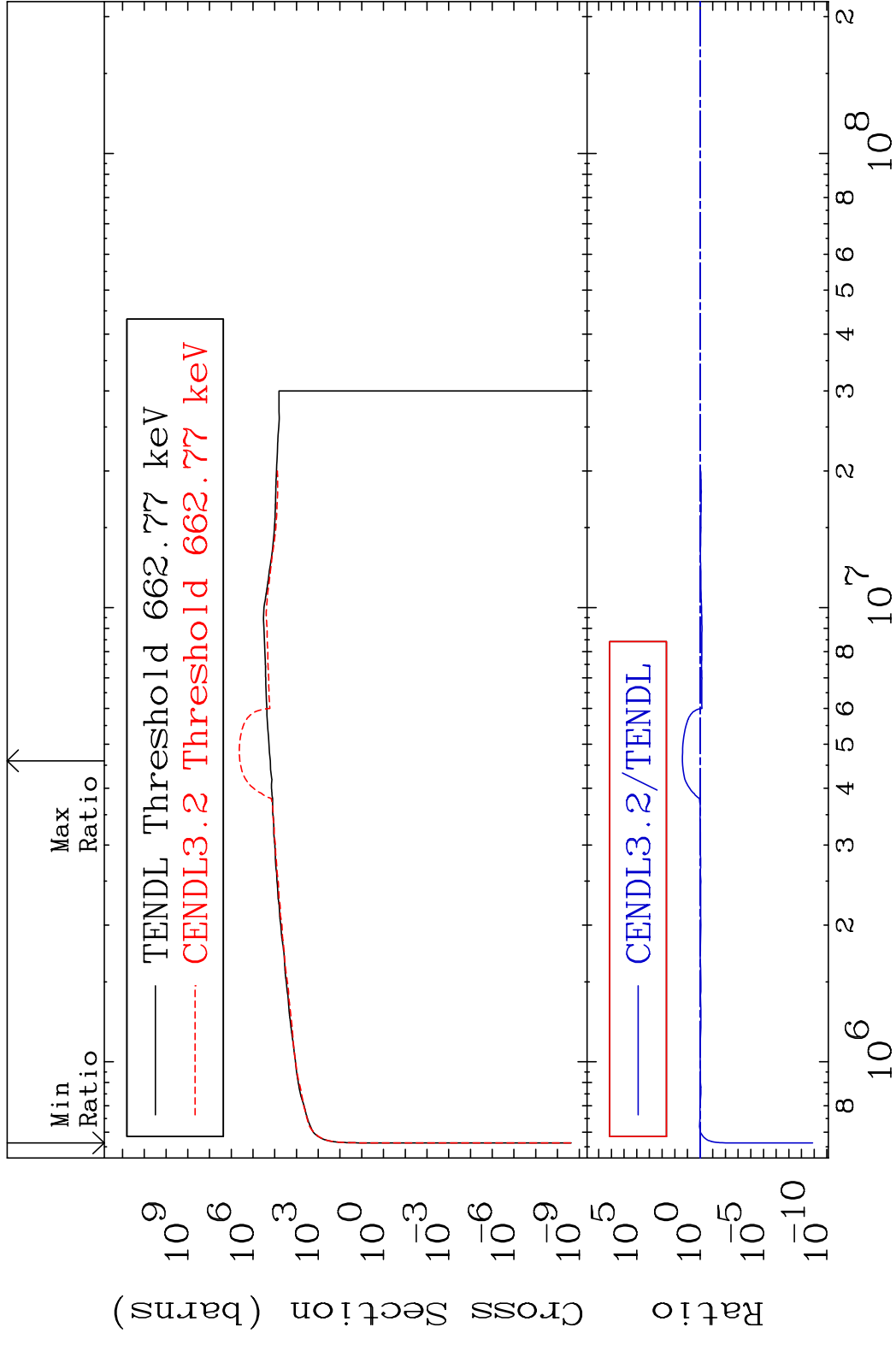
Incident Energy (eV)

34-Se-82

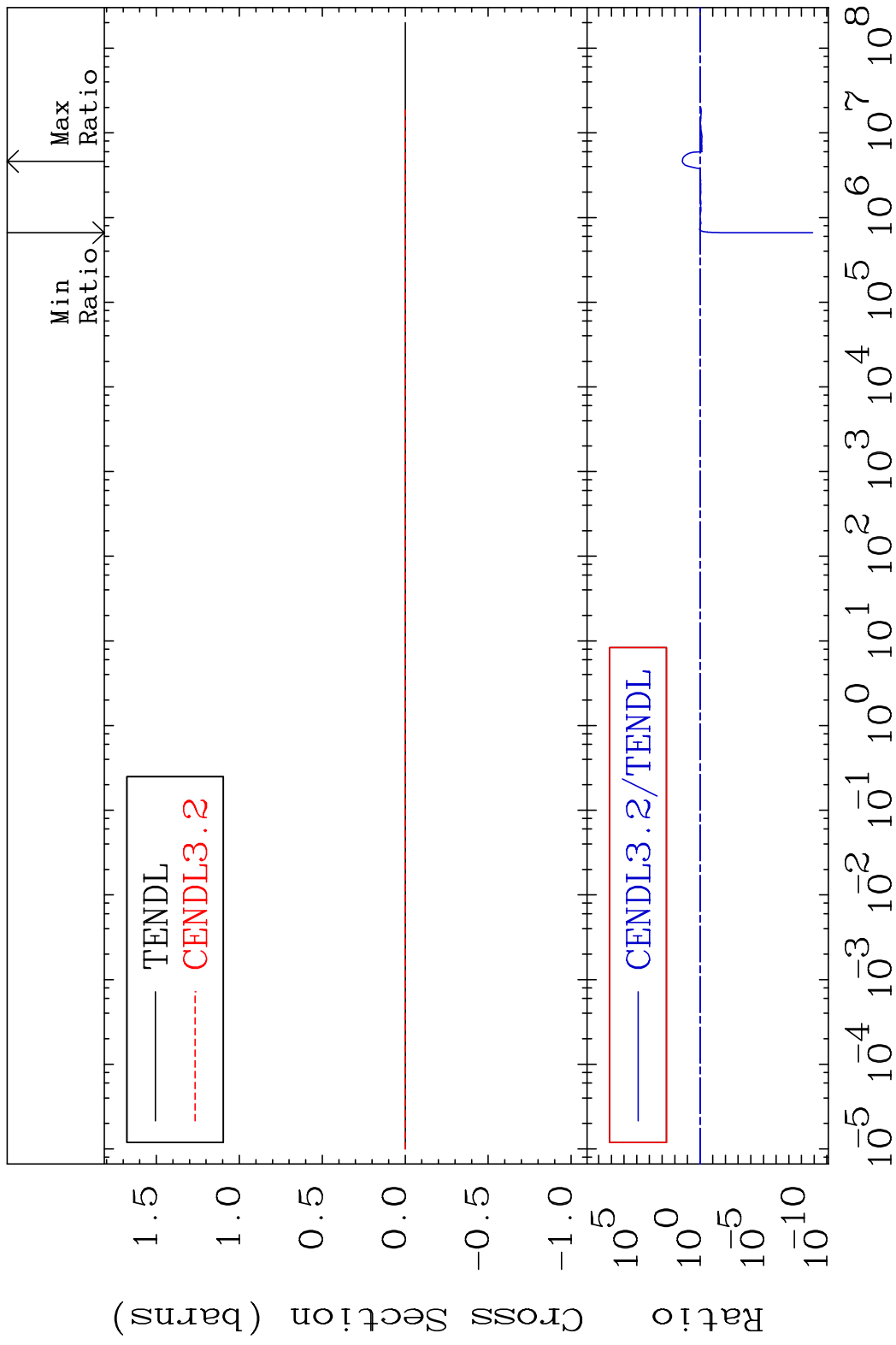
MAT 3449 Kerma non-elastic (all but mt2) 34-Se-82
 Cross Section -100.0 To 9999. %



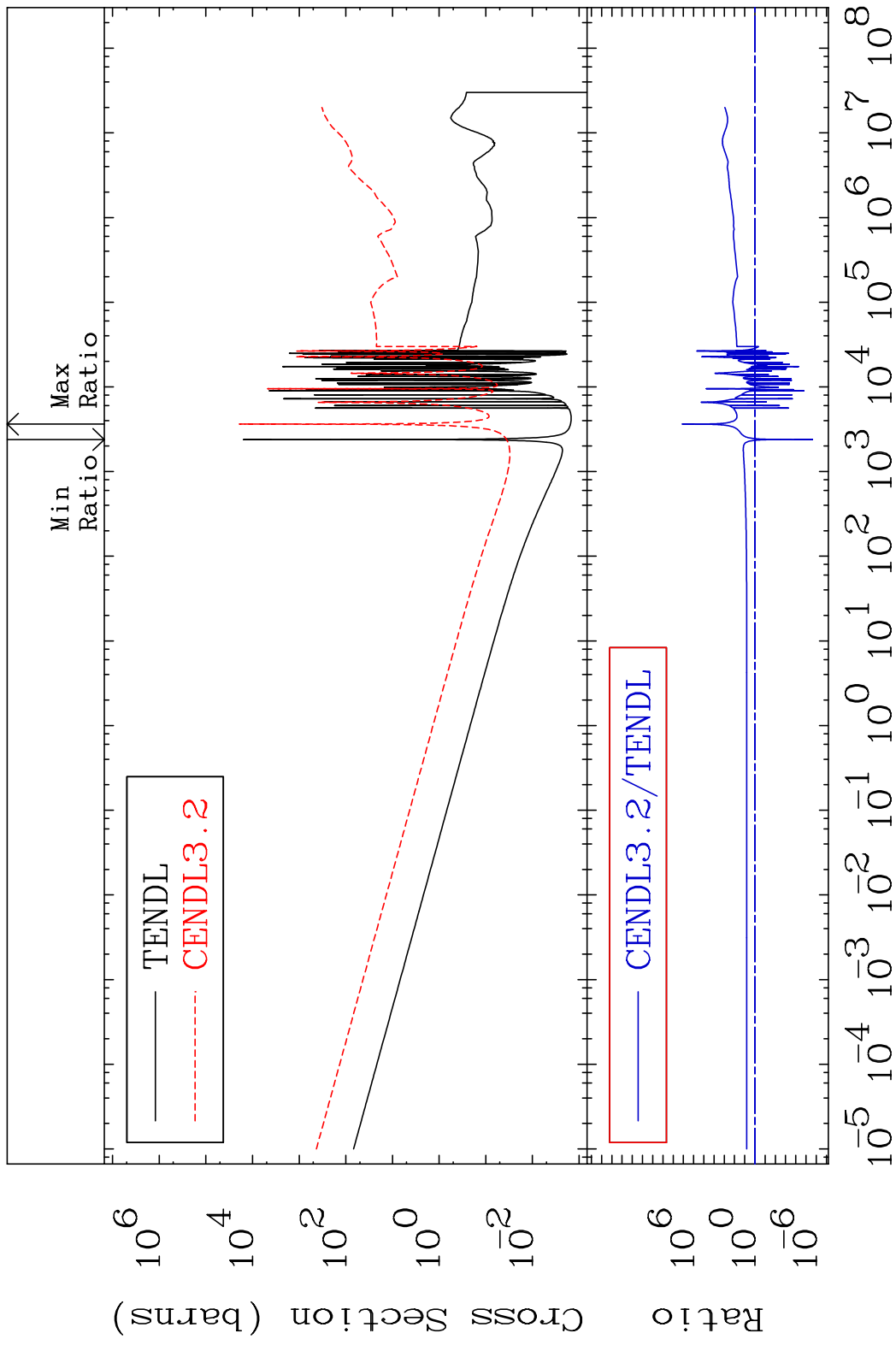
MAT 3449 Kerma inelastic (mt51-91) 34-Se-82
 Cross Section -100.0 To 2419. %



MAT 3449 Kerma fission (mt18 or mt19-20-21-38) 34-Se-82
 Cross Section -100.0 To 2419. %

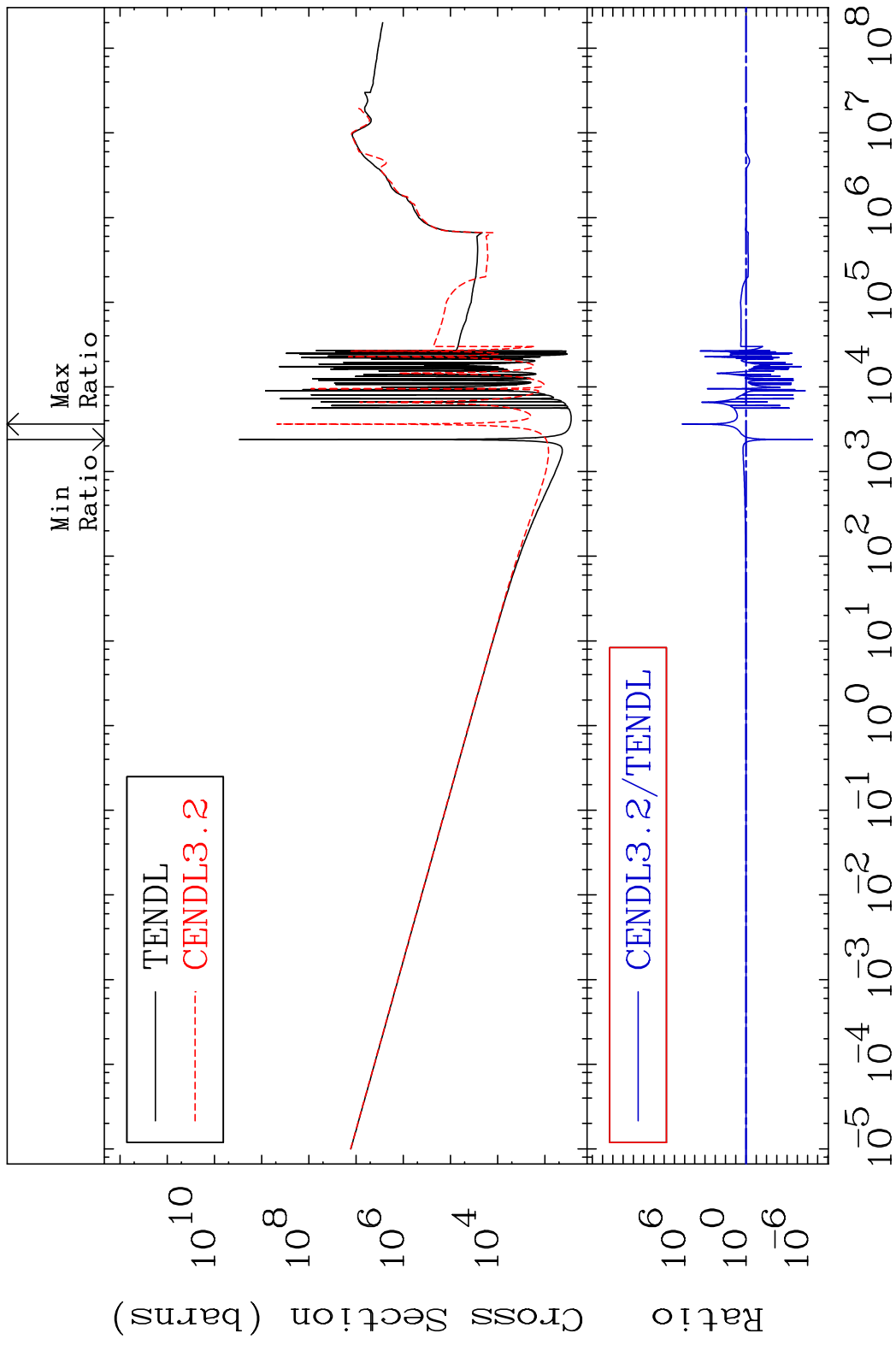


MAT 3449 Kerma capture (mt102) 34-Se-82
 Cross Section -100.0 To 9999. %

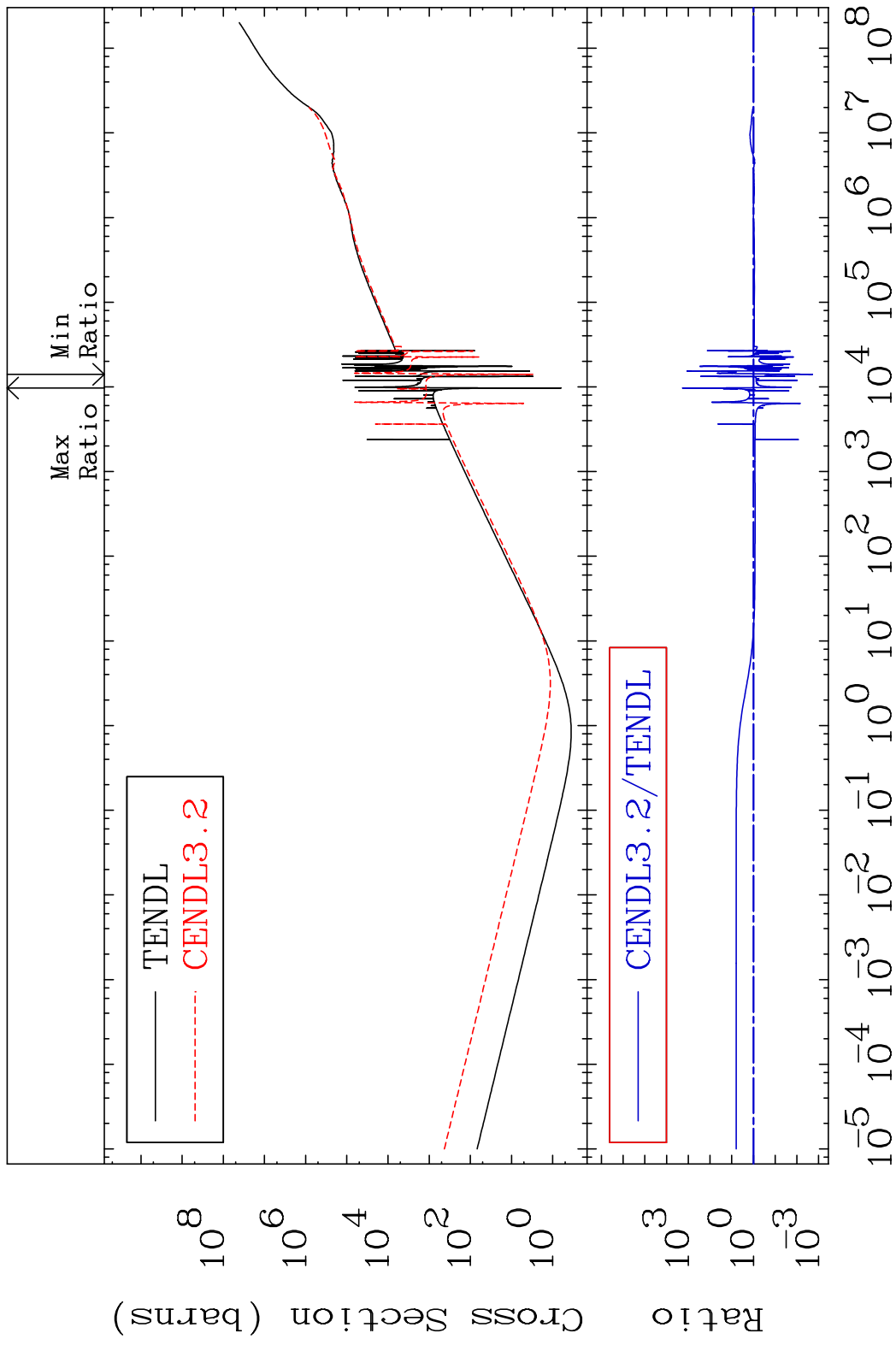


34 Incident Energy (eV) 34-Se-82

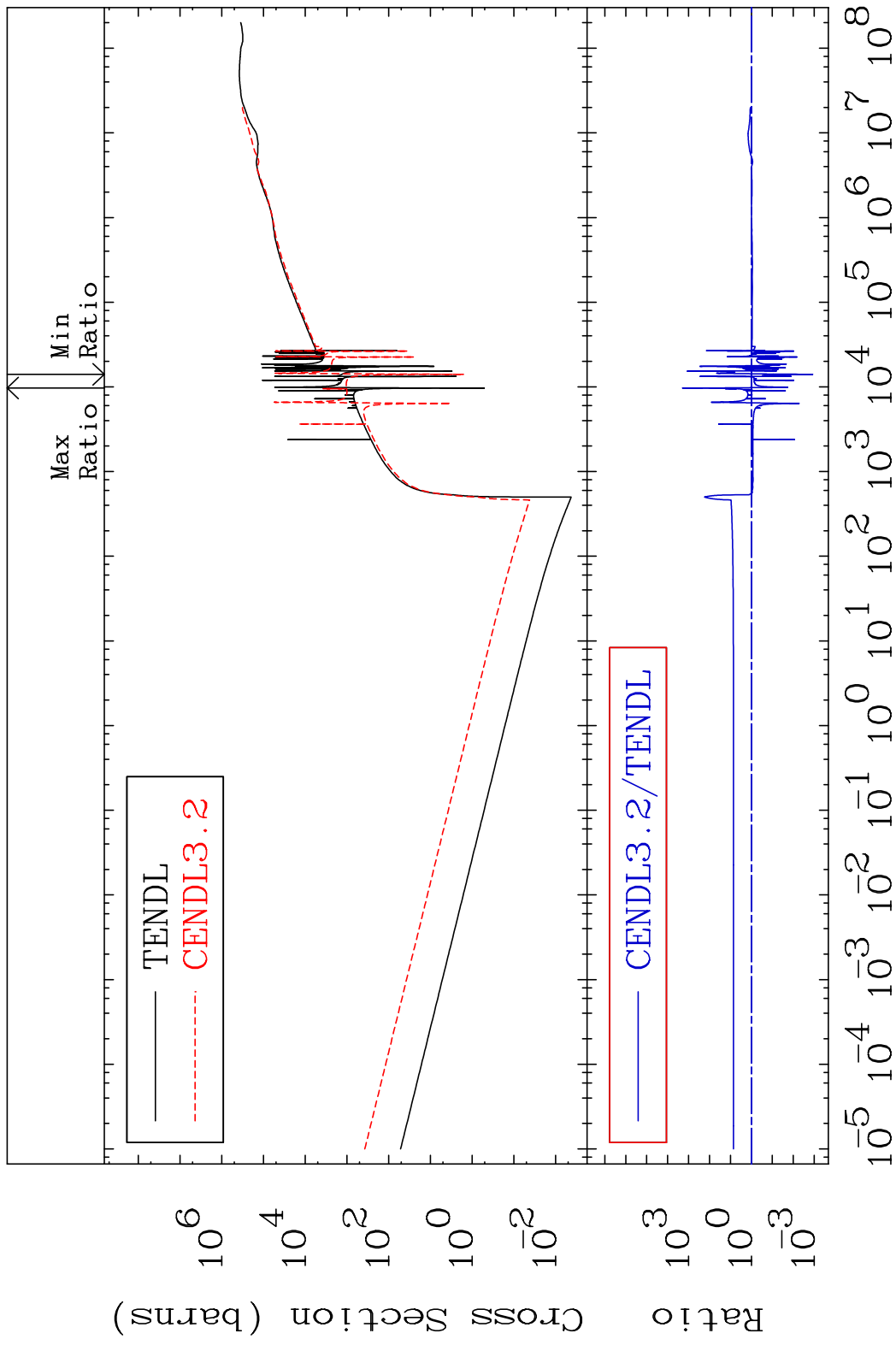
MAT 3449 Total photon (eV-barns) 34-Se-82
 Cross Section -100.0 To 9999. %



MAT 3449 Total kinematic kerma (high limit) 34-Se-82
 Cross Section -99.81 To 9999. %



MAT 3449 Dpa total (eV-barns) 34-Se-82
 Cross Section -99.88 To 9999. %



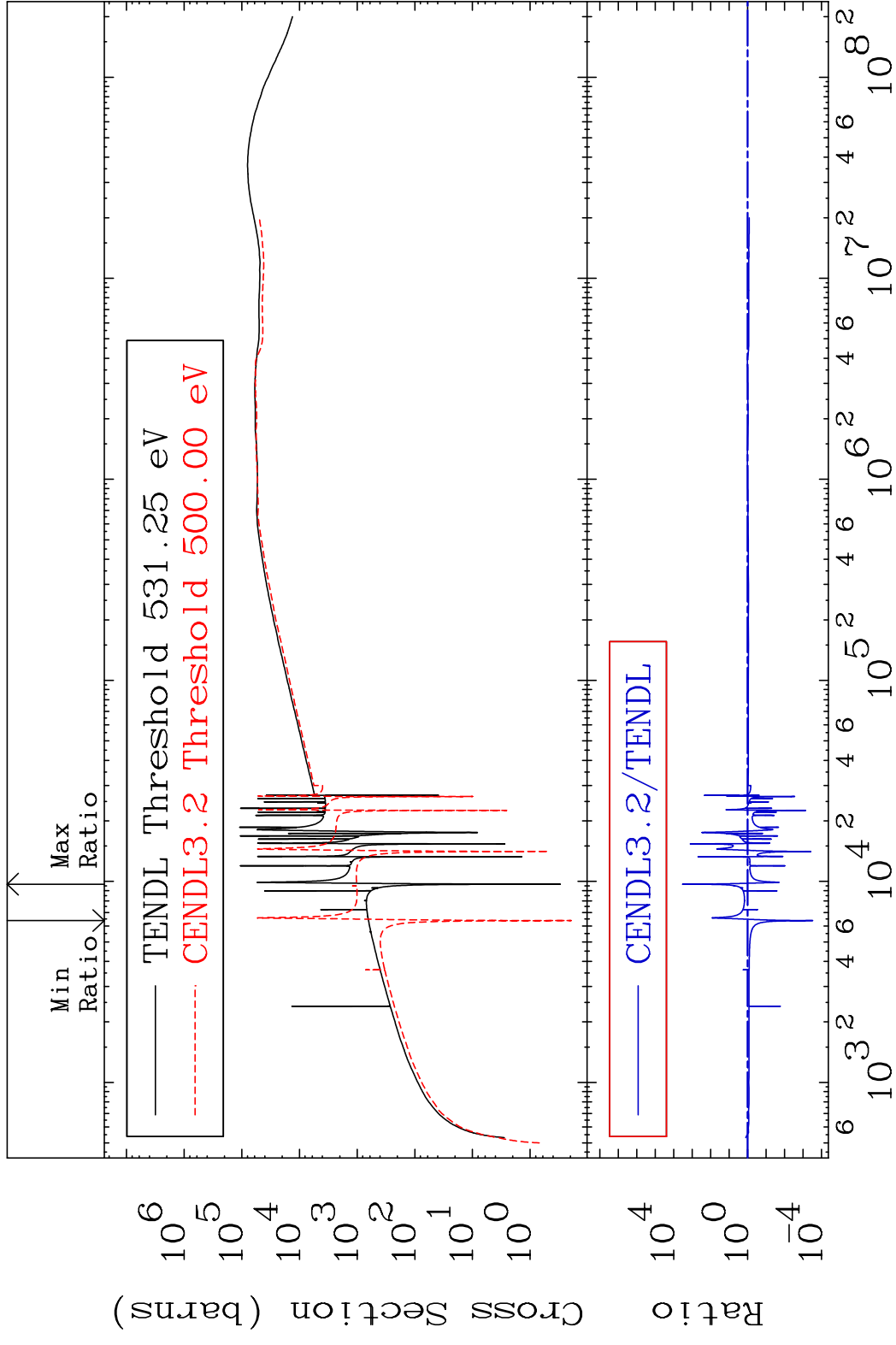
MAT 3449

Dpa elastic (mt2)

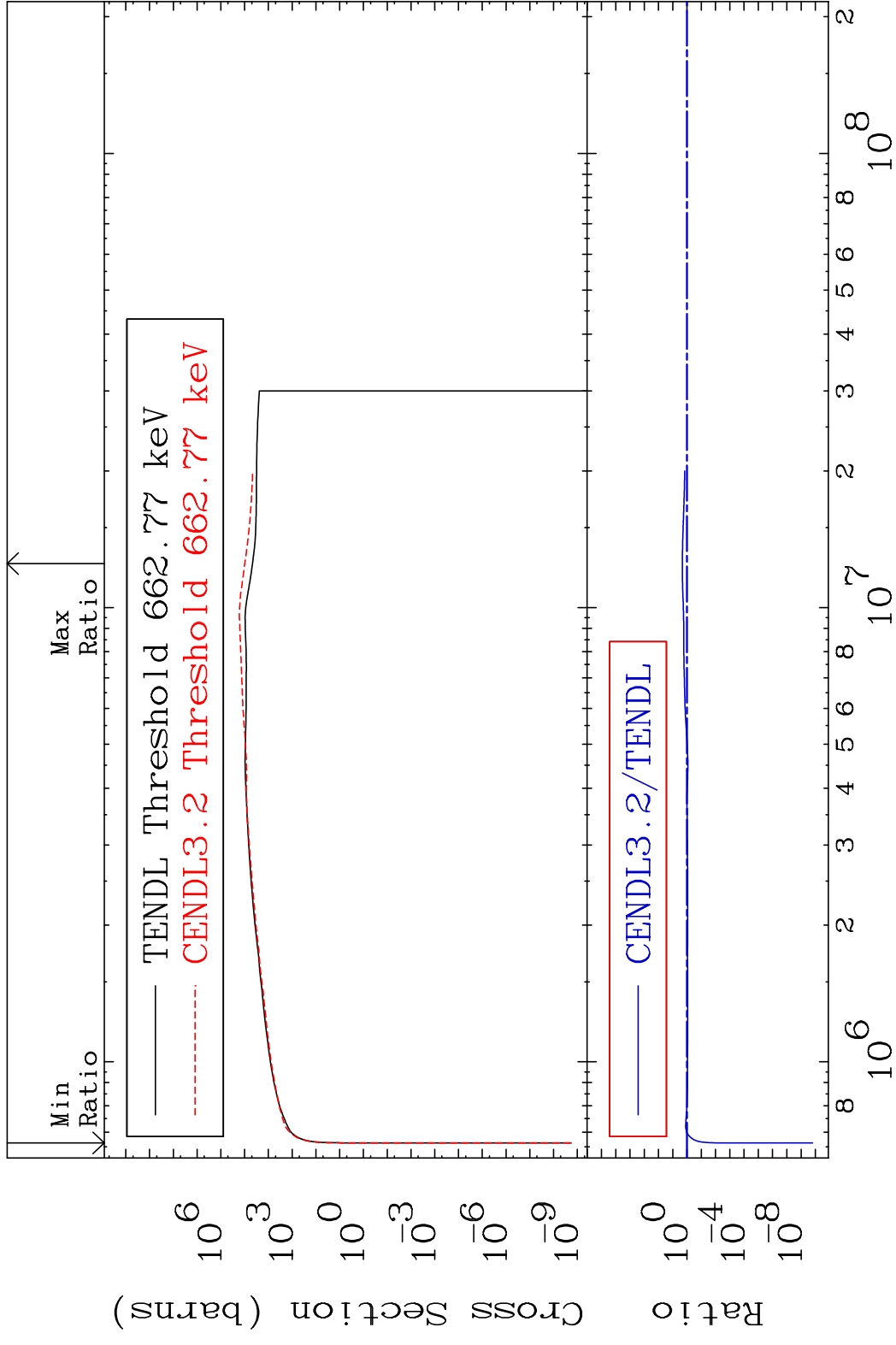
34-Se-82

Cross Section

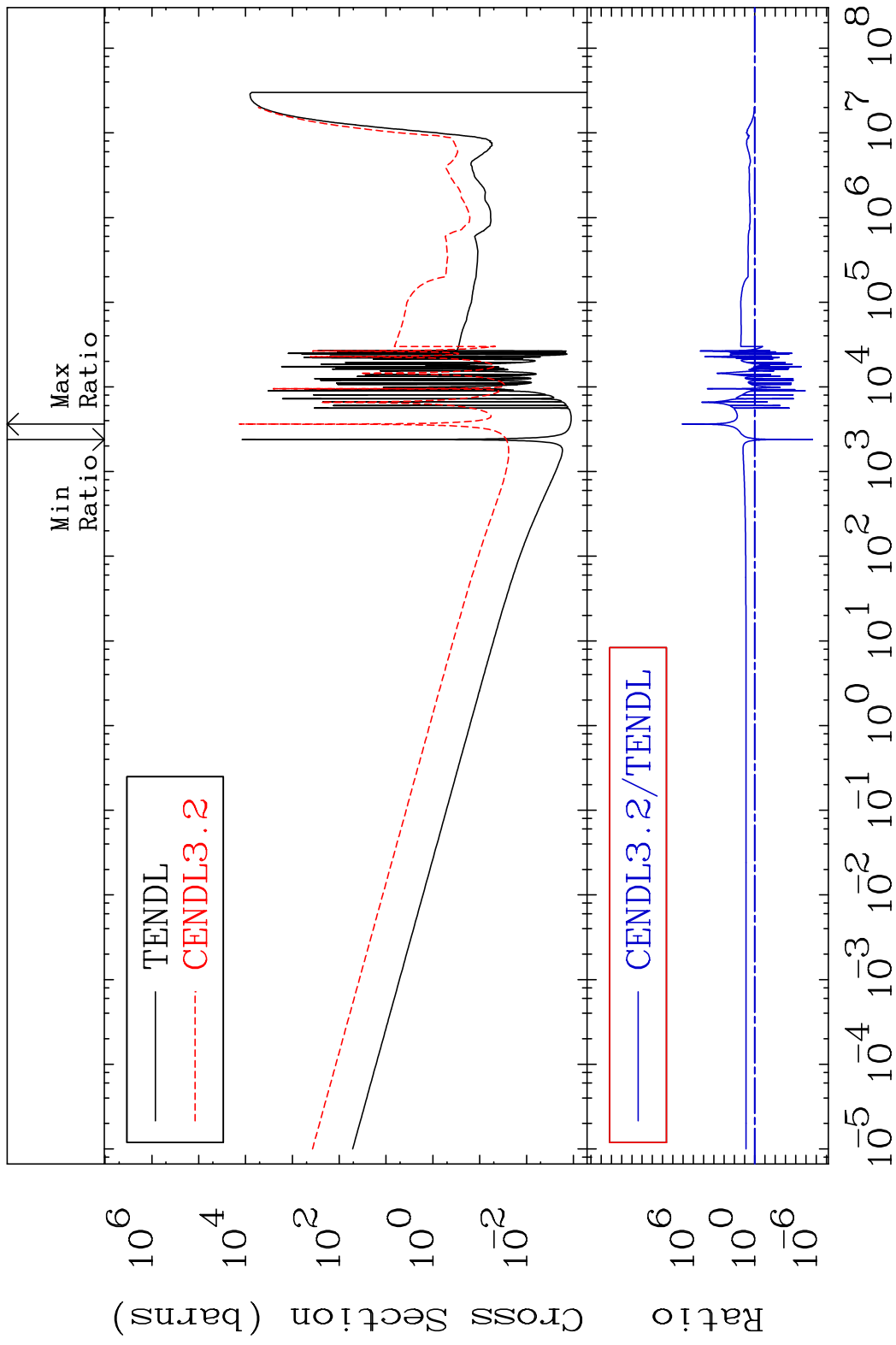
-99.97 To 9999. %



MAT 3449 Dpa inelastic (mt51-91) 34-Se-82
 Cross Section -100.0 To 112.9 %

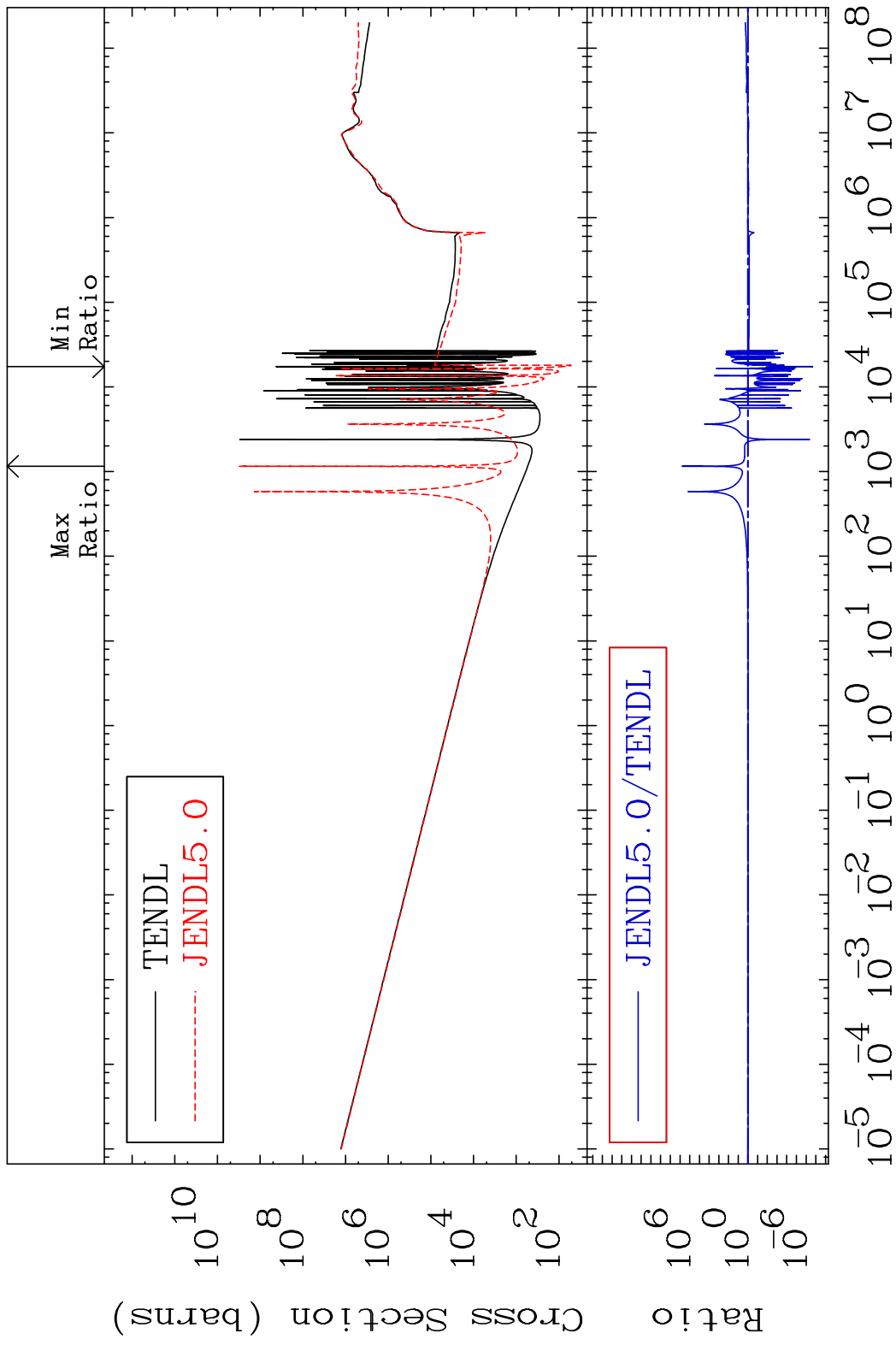


MAT 3449 Dpa disappearance (mt102 -120) 34-Se-82
Cross Section -100.0 To 9999. %

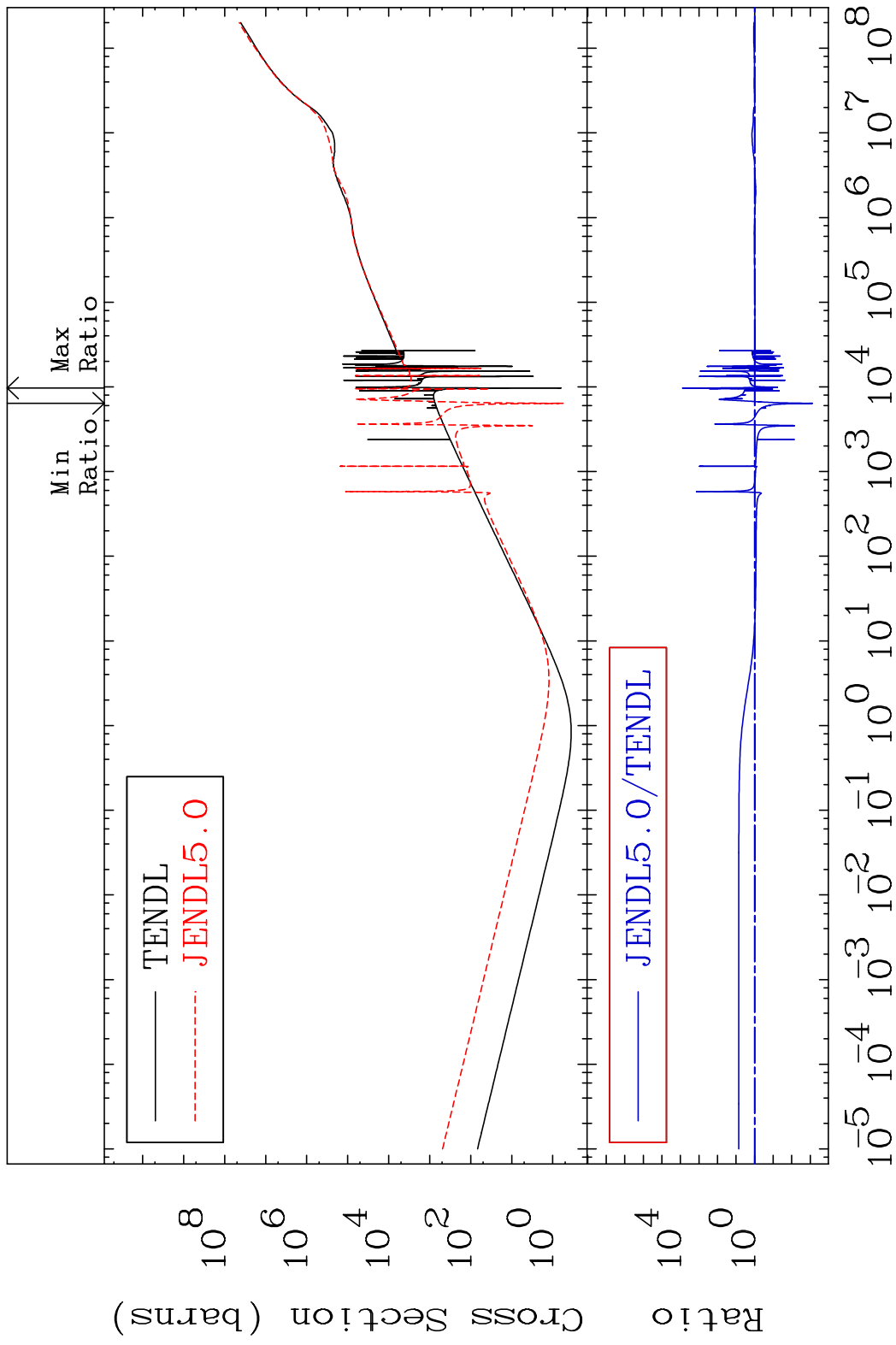


40 Incident Energy (eV) 34-Se-82

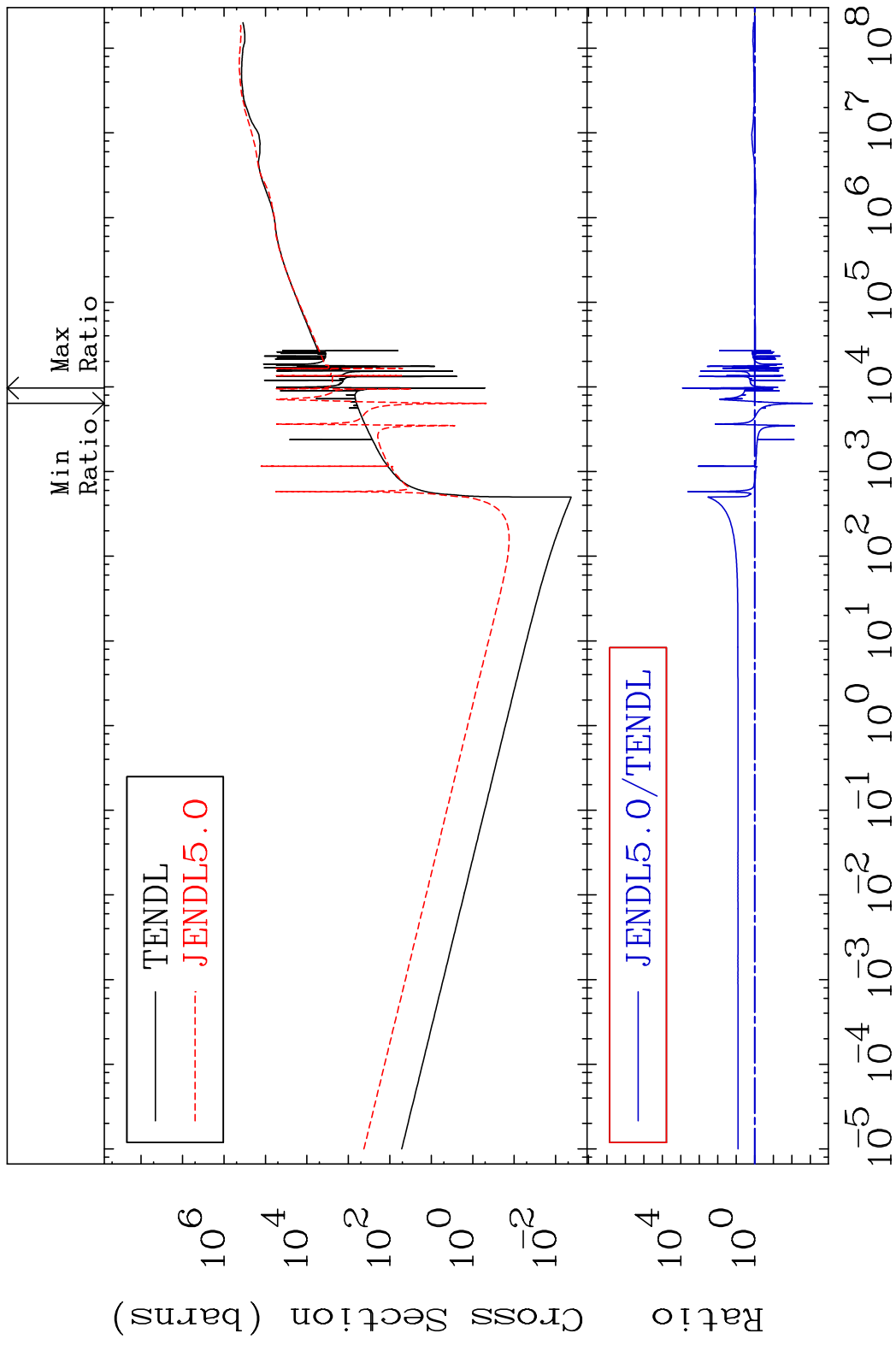
MAT 3449 Total photon (eV-barns) 34-Se-82
 Cross Section -100.0 To 9999. %



MAT 3449 Total kinematic kerma (high limit) 34-Se-82
 Cross Section -99.92 To 9999. %



MAT 3449 Dpa total (eV-barns) 34-Se-82
 Cross Section -99.93 To 9999. %

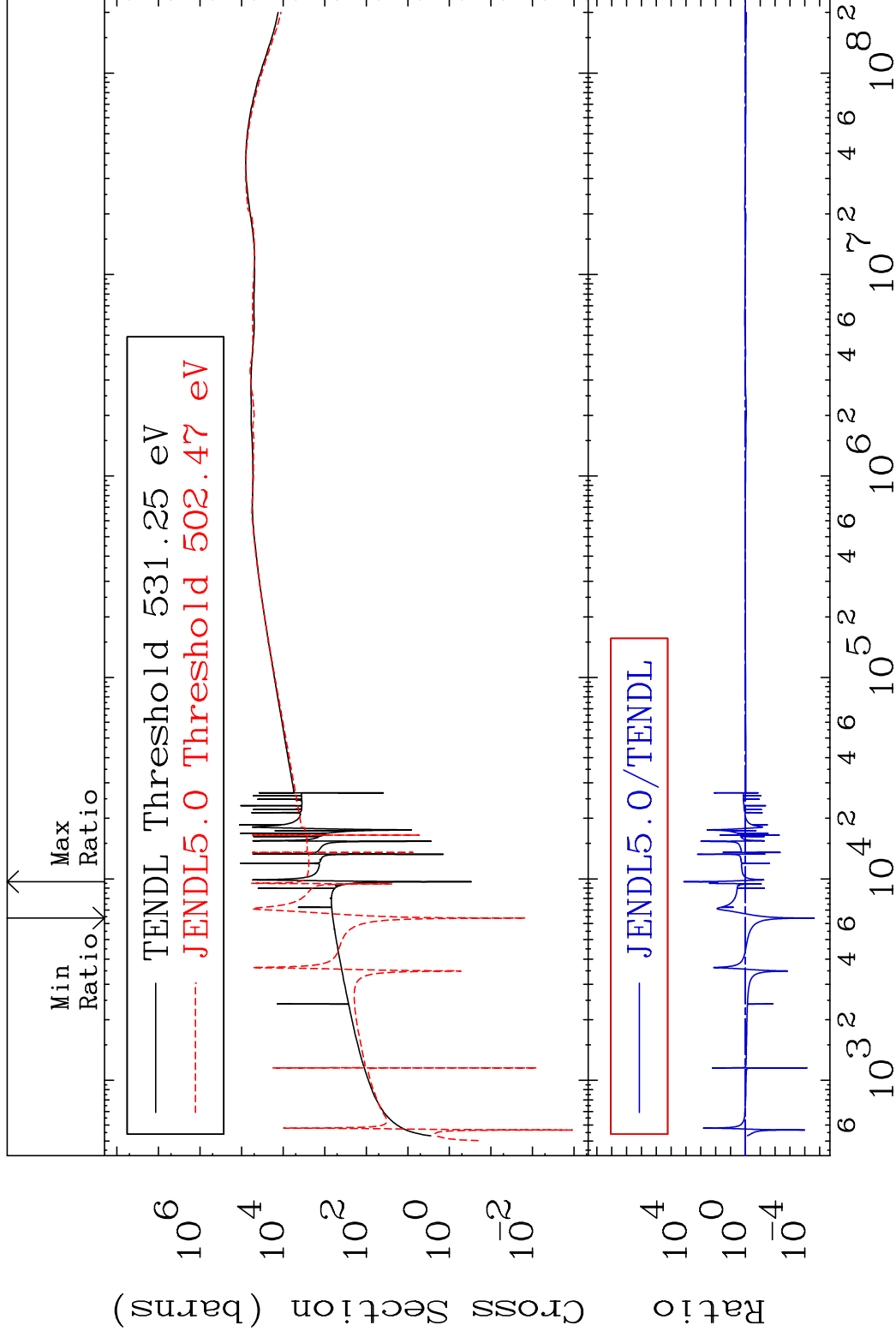


MAT 3449

Dpa elastic (mt2)

34-Se-82

Cross Section -100.0 To 9999. %

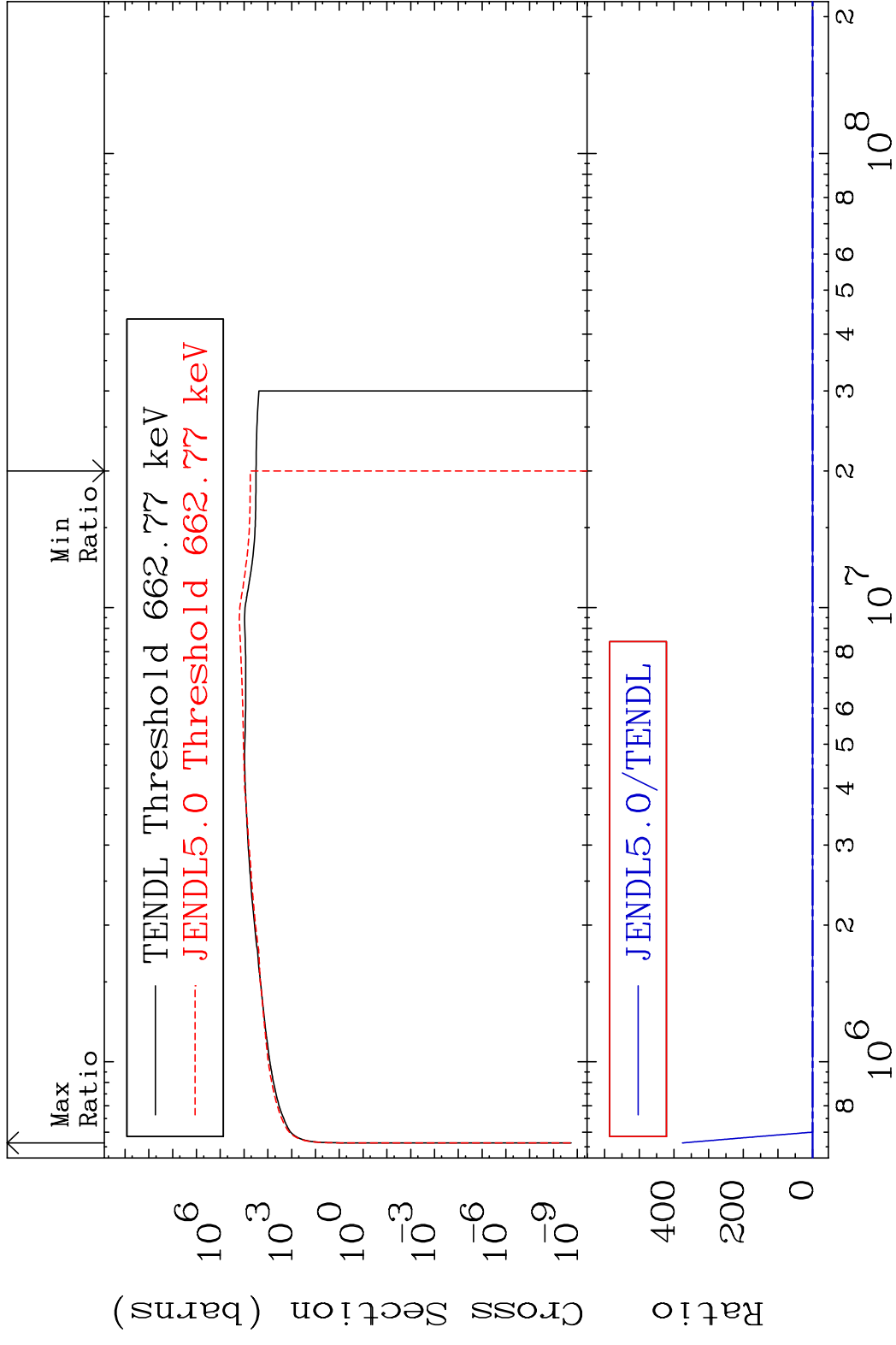


44

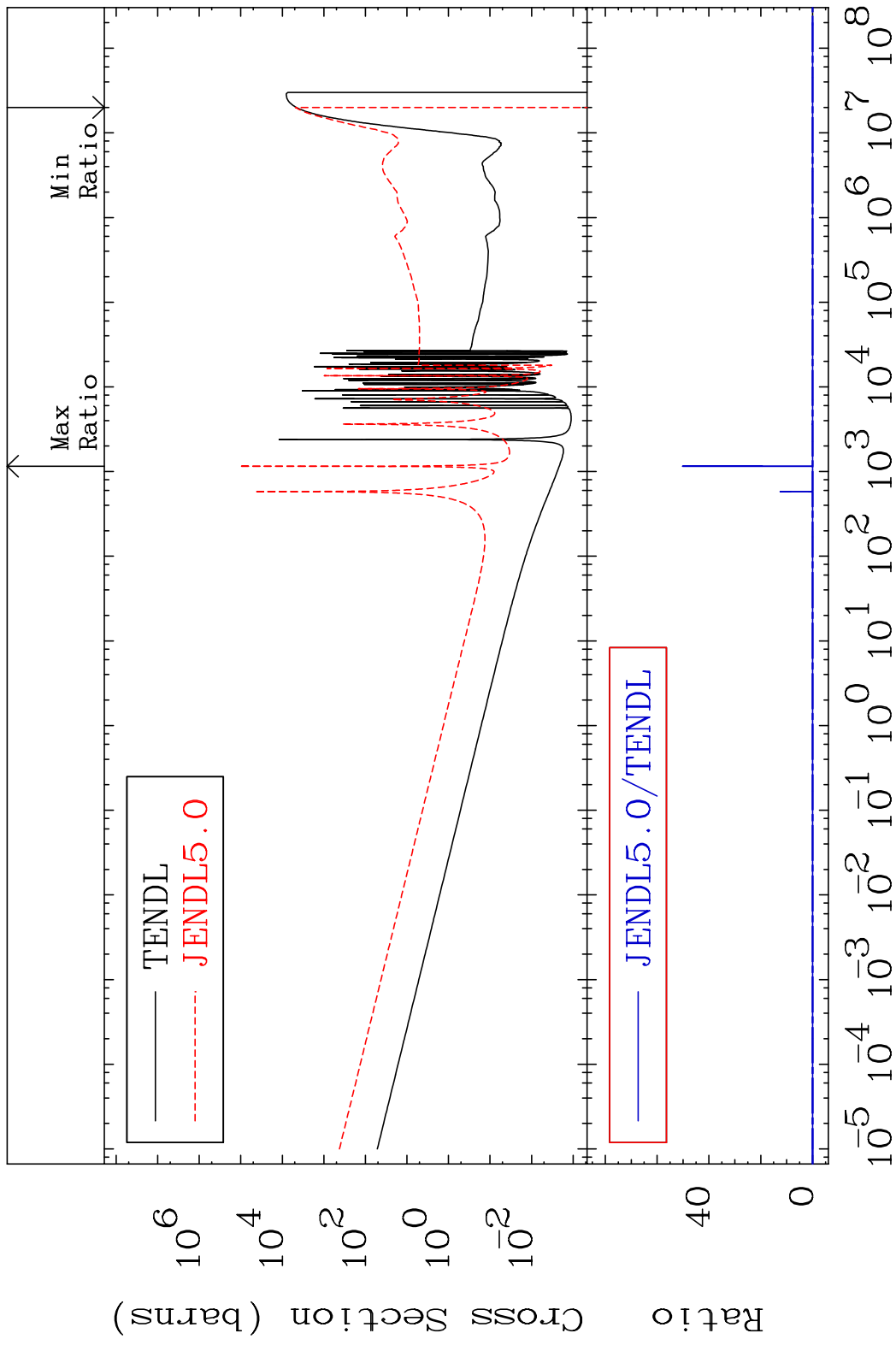
Incident Energy (eV)

34-Se-82

MAT 3449 Dpa inelastic (mt51-91) 34-Se-82
 Cross Section -100.0 To 9999. %



MAT 3449 Dpa disappearance (mt102 -120) 34-Se-82
 Cross Section -100.0 To 9999. %

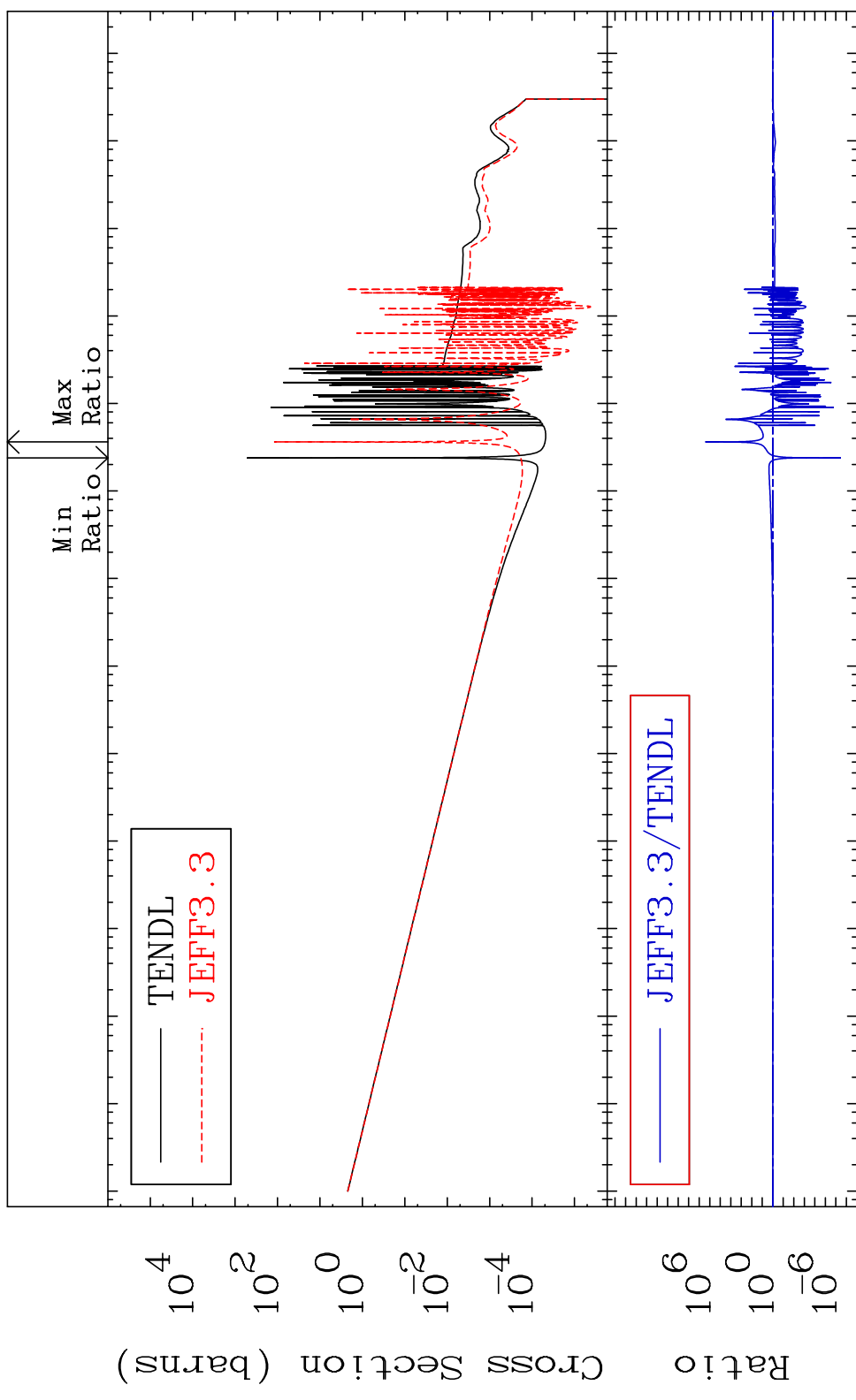


MAT 3449

(n, γ)

34-Se-82

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

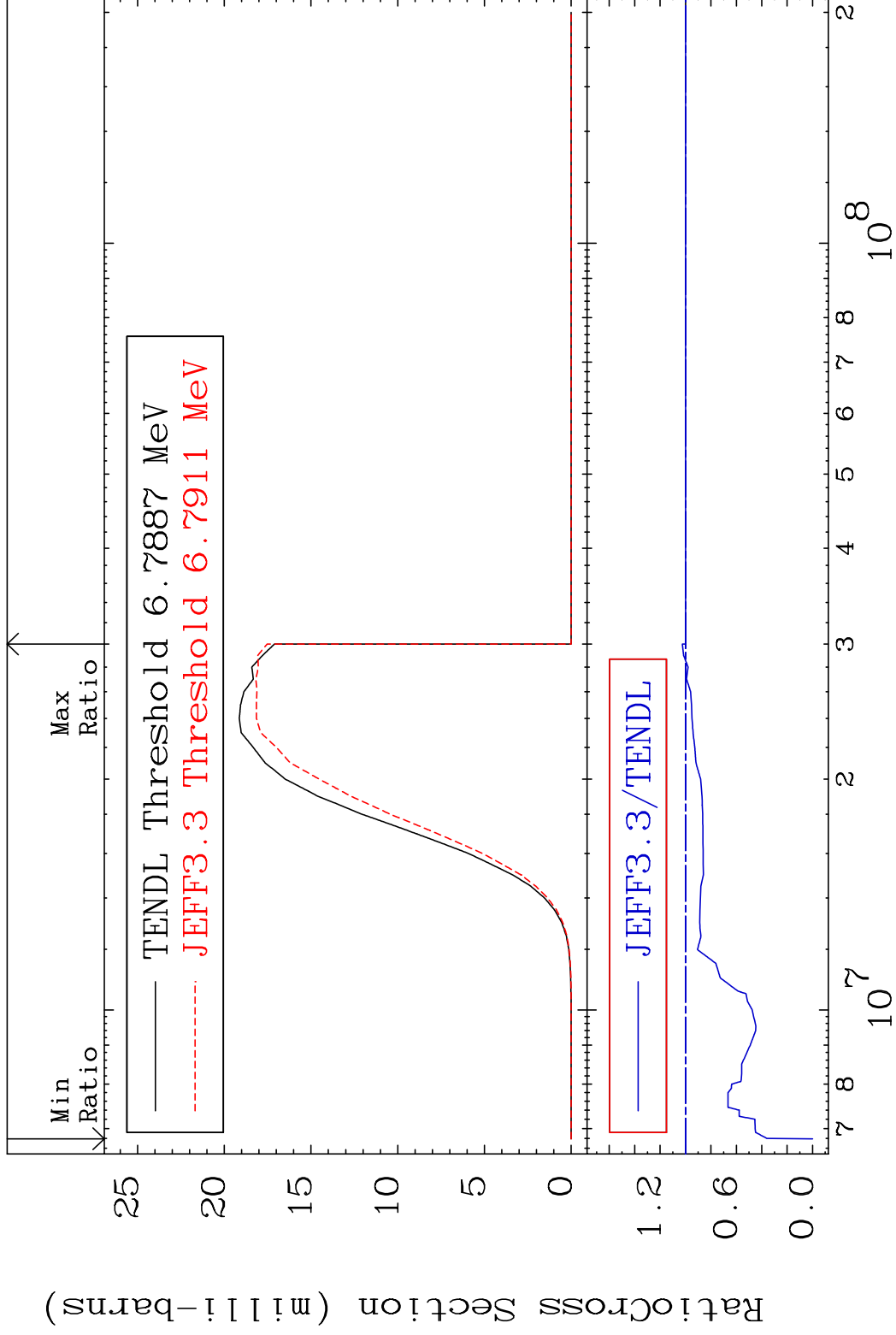
34-Se-82

MAT 3449

(n, p)

³⁴Se-82

Cross Section -100.0 To 2.487 %



48

Incident Energy (eV)

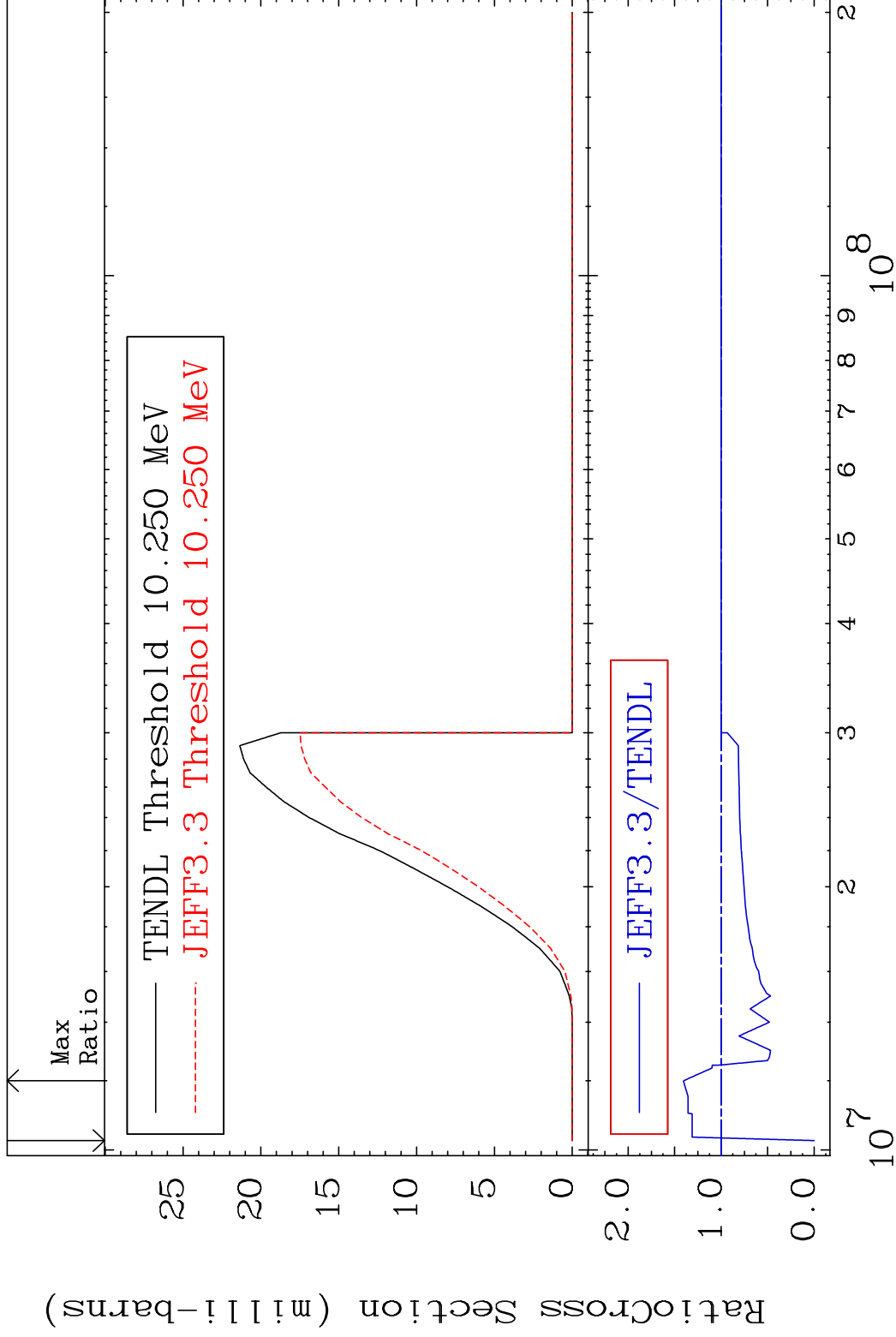
³⁴Se-82

MAT 3449

(n,d)

³⁴Se-82

Cross Section -100.0 To 40.30 %



49

Incident Energy (eV)

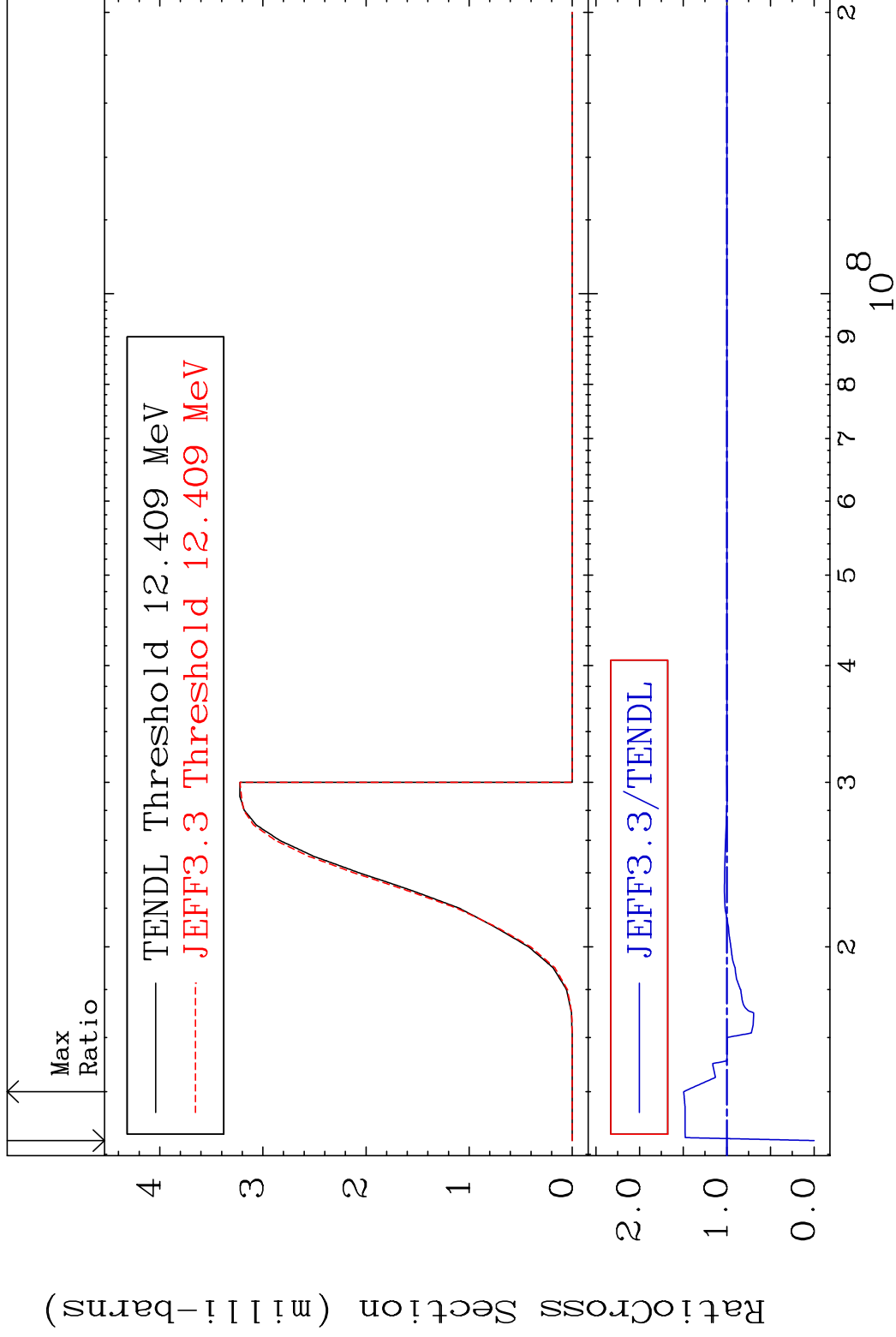
³⁴Se-82

MAT 3449

(n, t)

³⁴Se-82

Cross Section -100.0 To 49.47 %

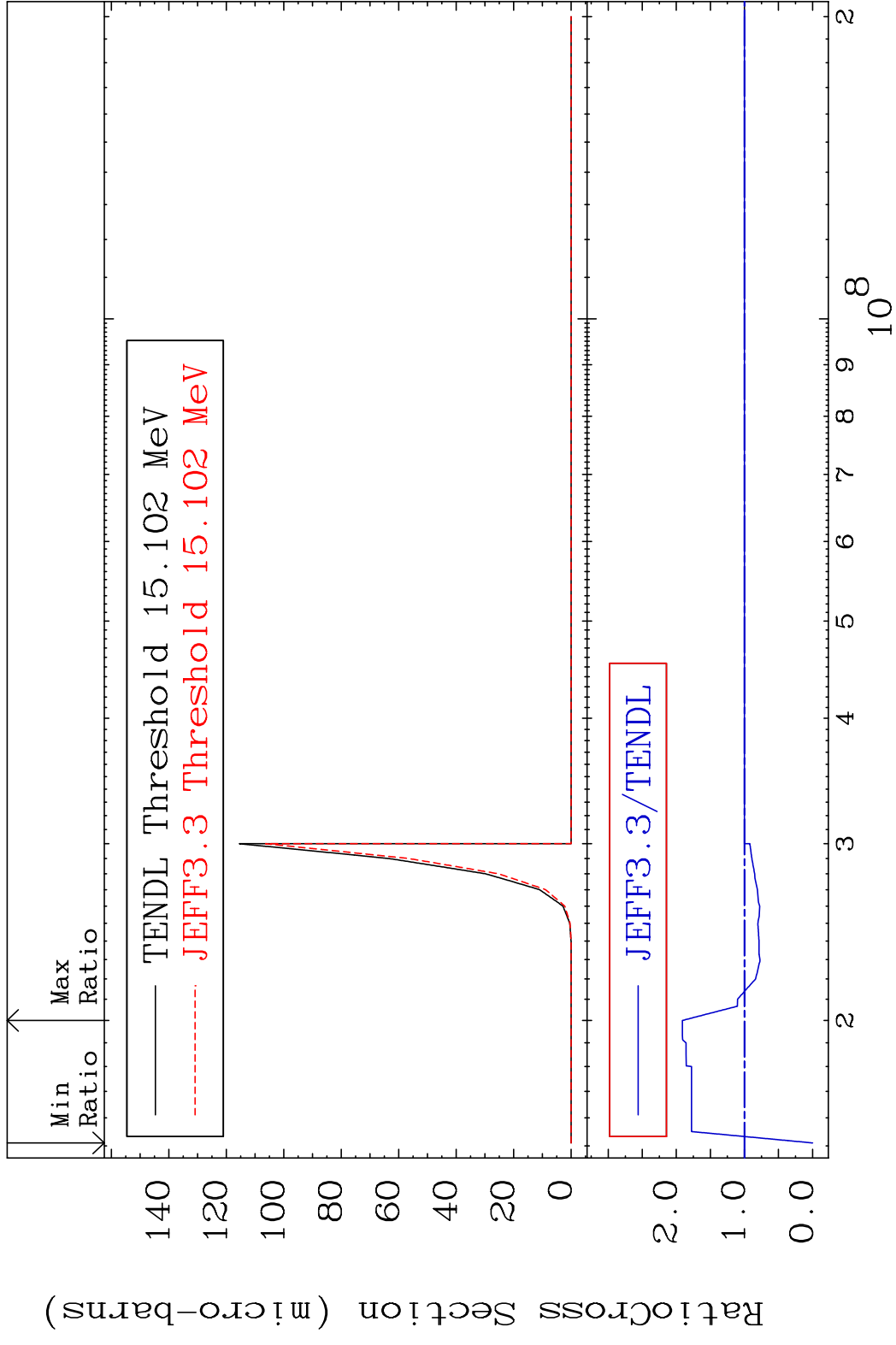


50

Incident Energy (eV)

³⁴Se-82

MAT 3449 (n, He-3) 34-Se-82
 Cross Section -100.0 To 91.17 %

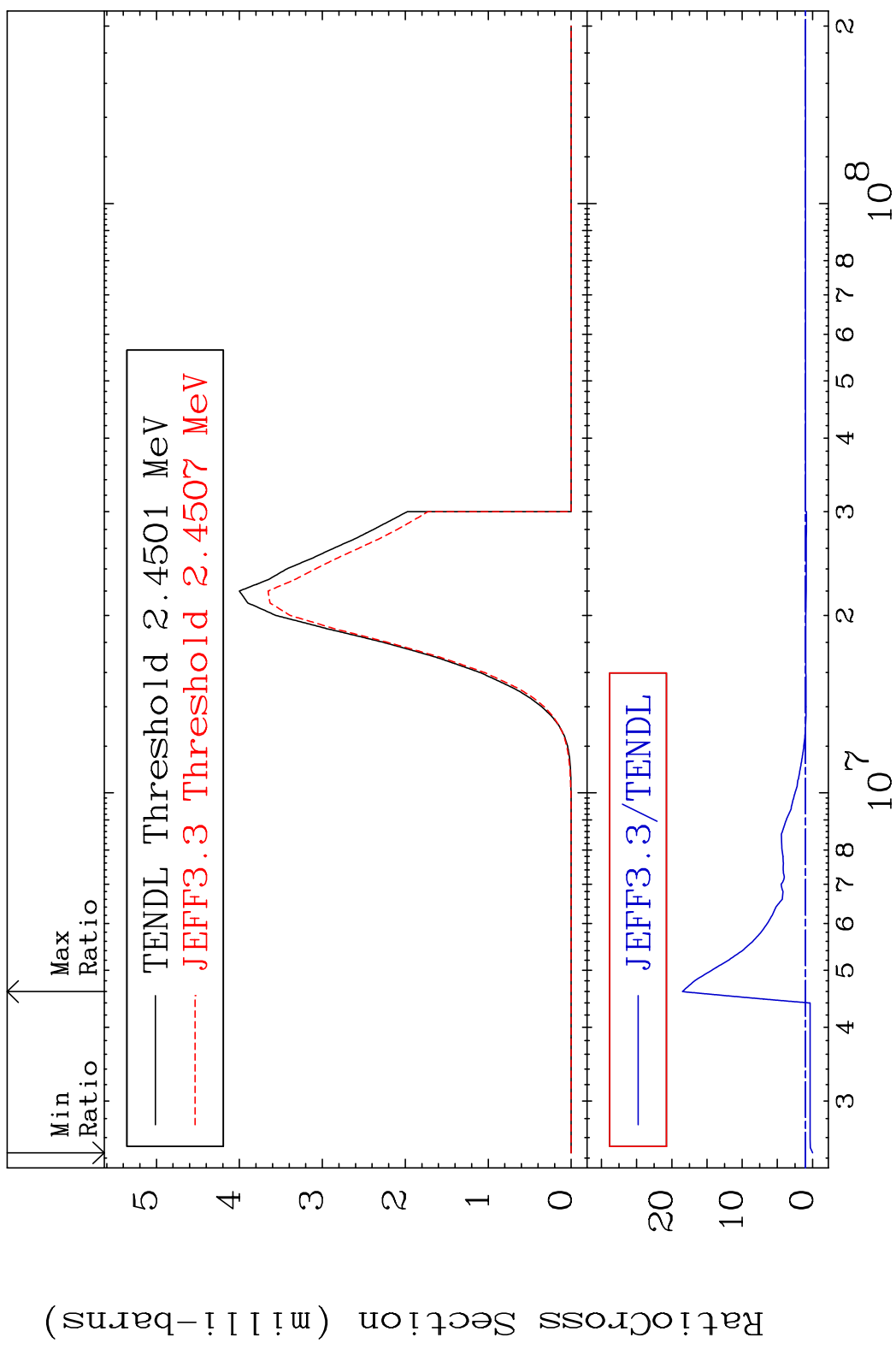


MAT 3449

(n, α)

34-Se-82

Cross Section -100.0 To 1750. %

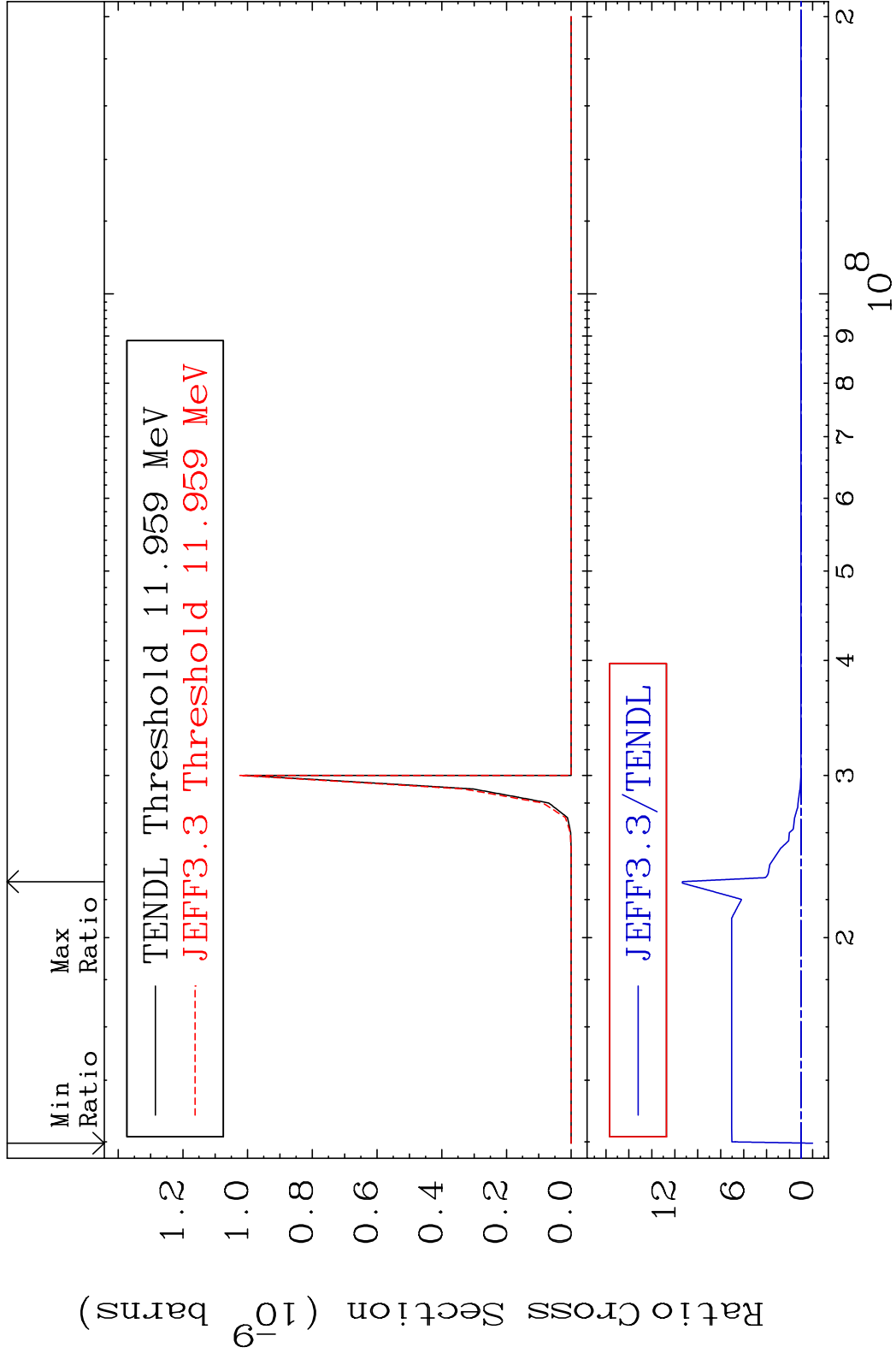


MAT 3449

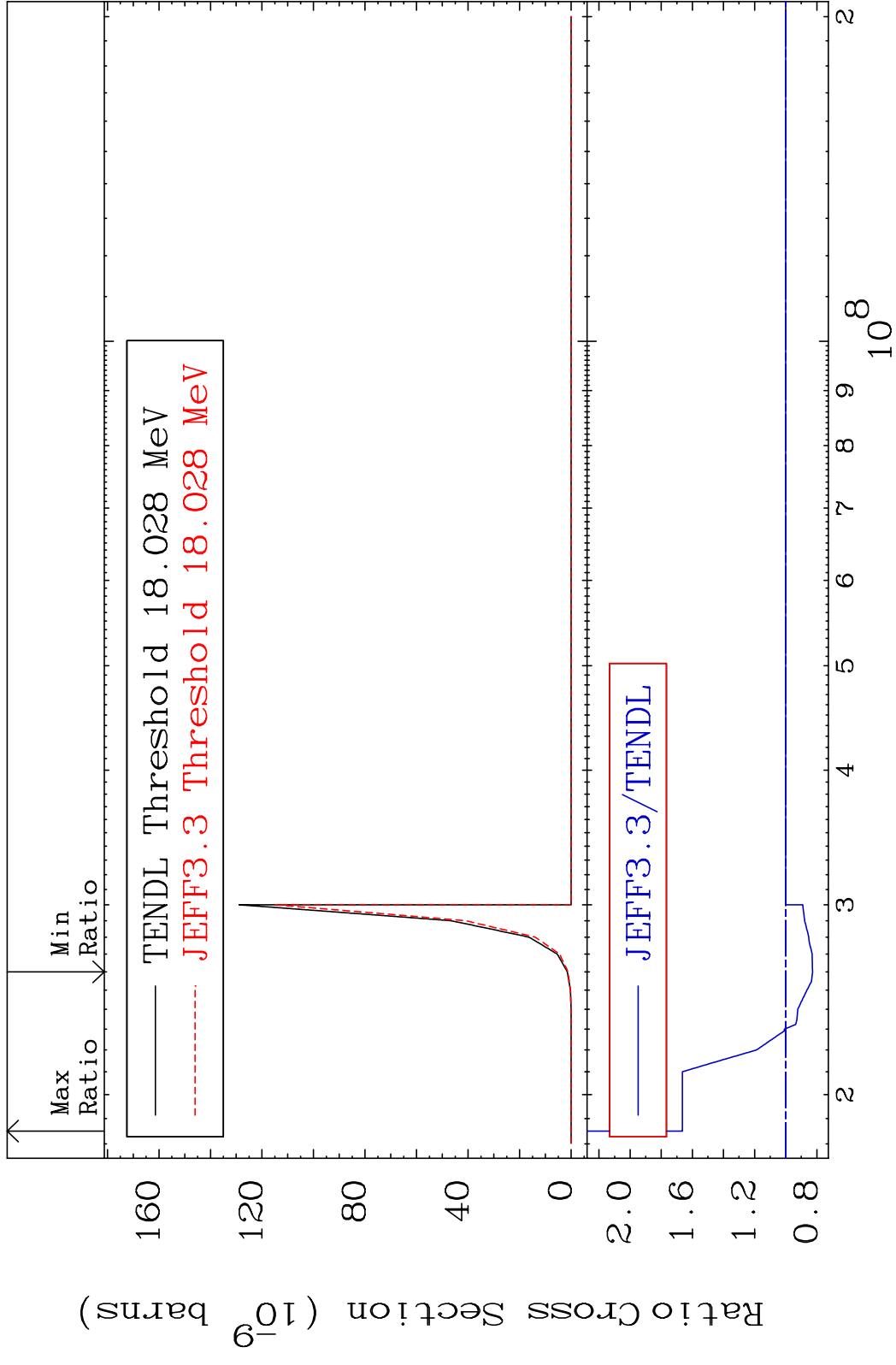
(n,2α)

34-Se-82

Cross Section -100.0 To 1034. %



Cross Section -17.23 To 66.43 %

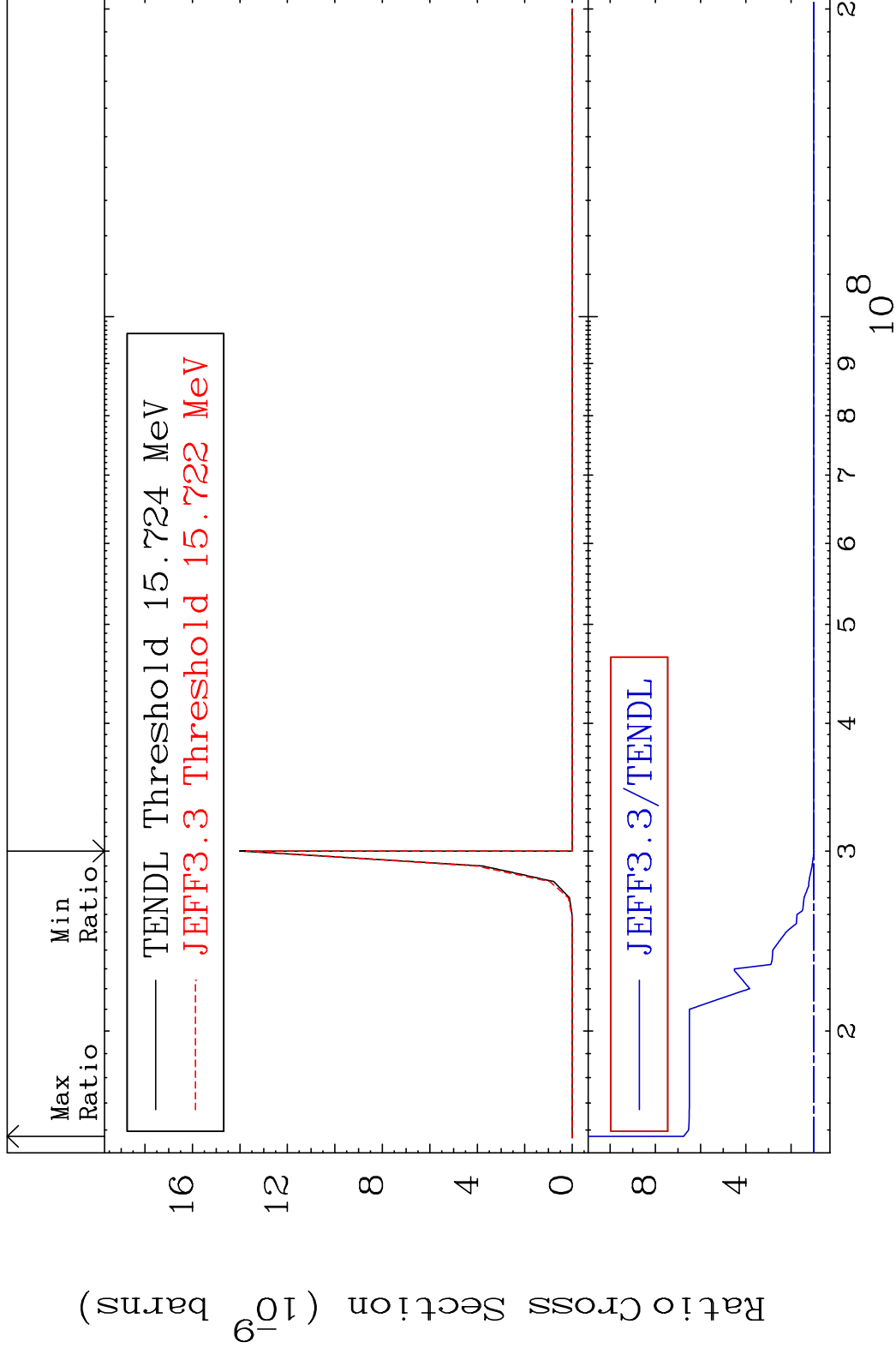


MAT 3449

(n,p) α

34-Se-82

Cross Section -1.985 To 574.7 %

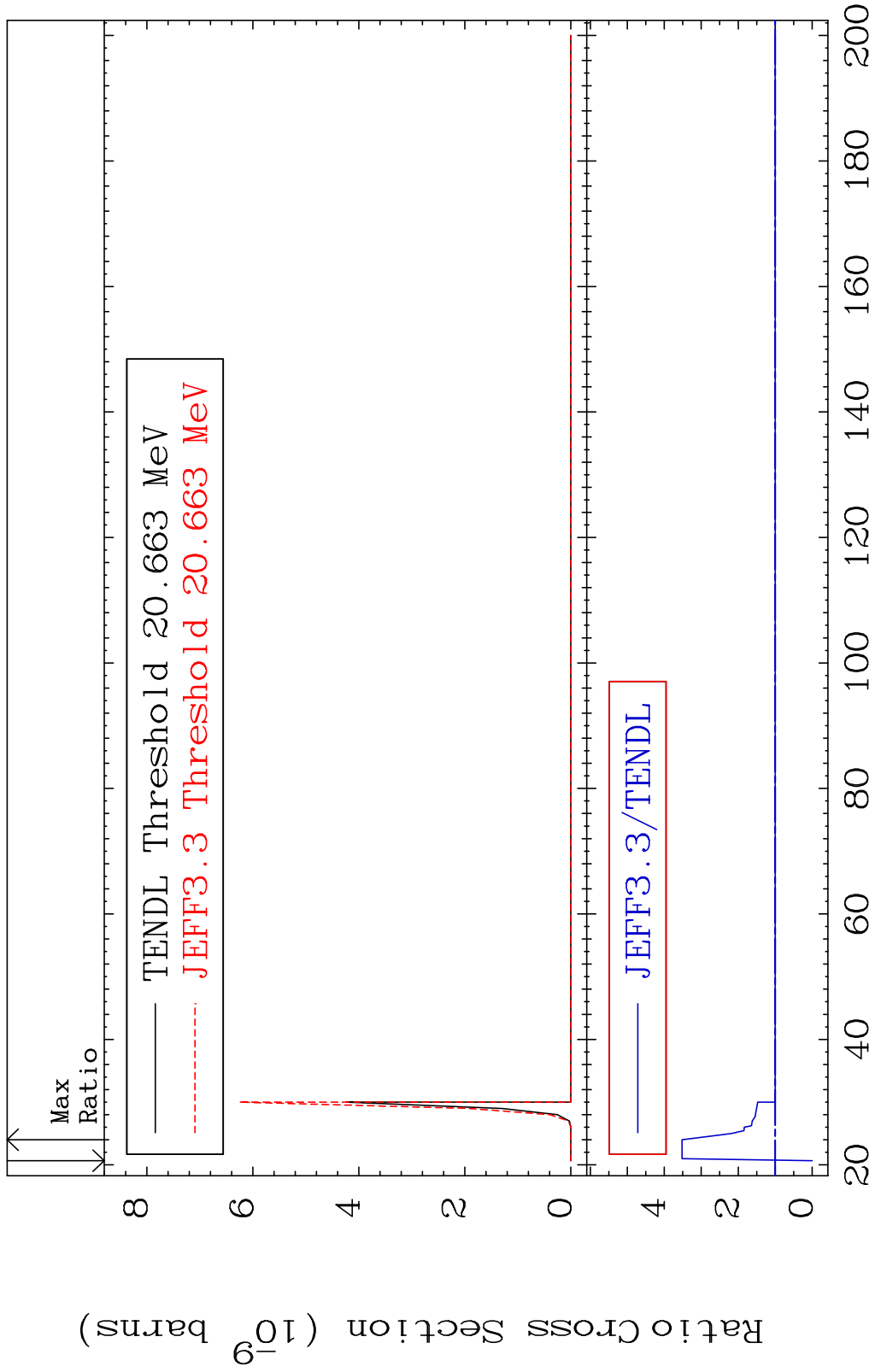


55

Incident Energy (eV)

34-Se-82

MAT 3449 (n,p) d 34-Se-82
 Cross Section -100.0 To 252.2 %

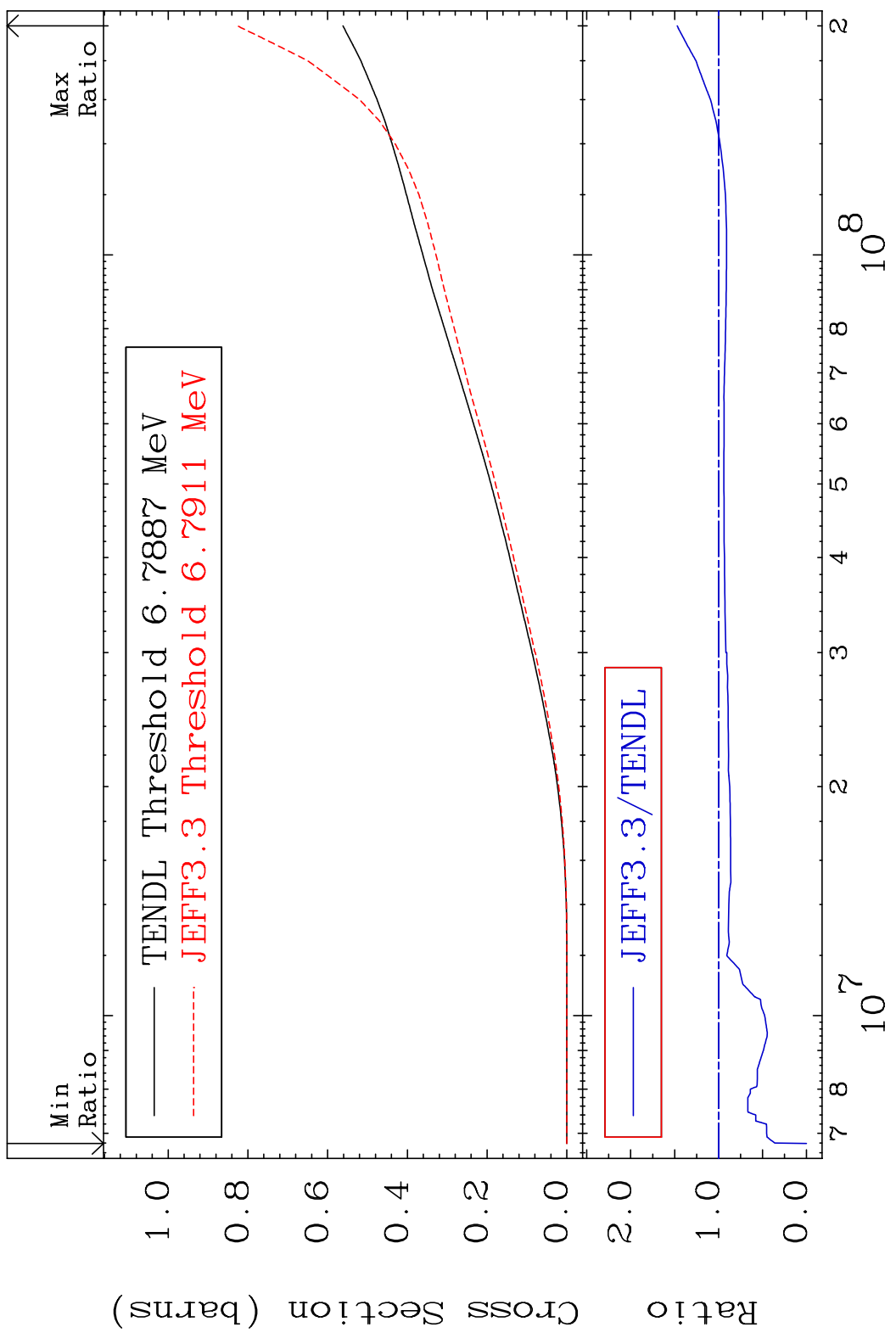


MAT 3449

Hydrogen Production

³⁴Se-82

Cross Section -100.0 To 47.09 %

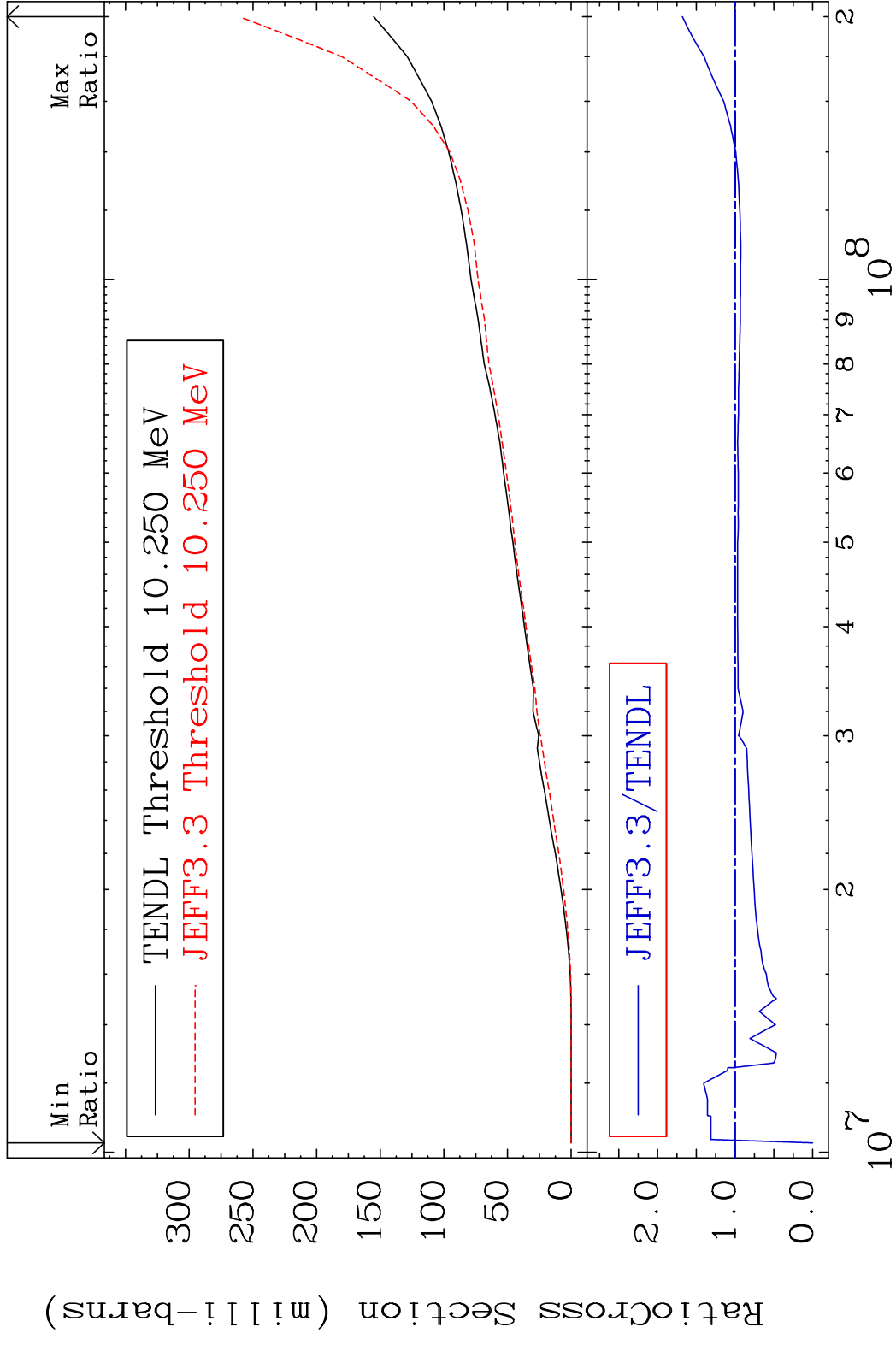


MAT 3449

Deuterium Production

34-Se-82

Cross Section -100.0 To 68.05 %



58

Incident Energy (eV)

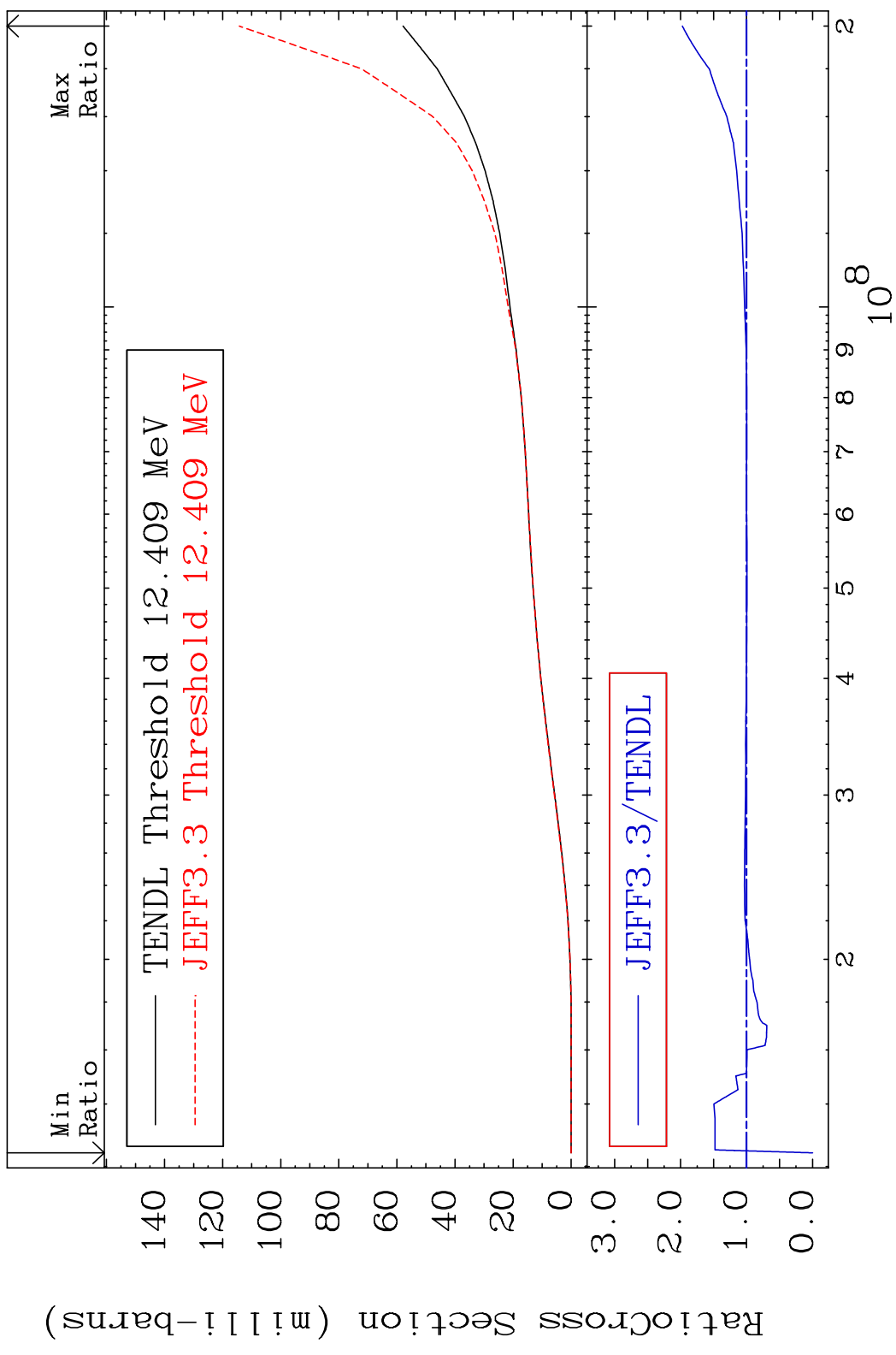
34-Se-82

MAT 3449

Tritium Production

34-Se-82

Cross Section -100.0 To 97.35 %

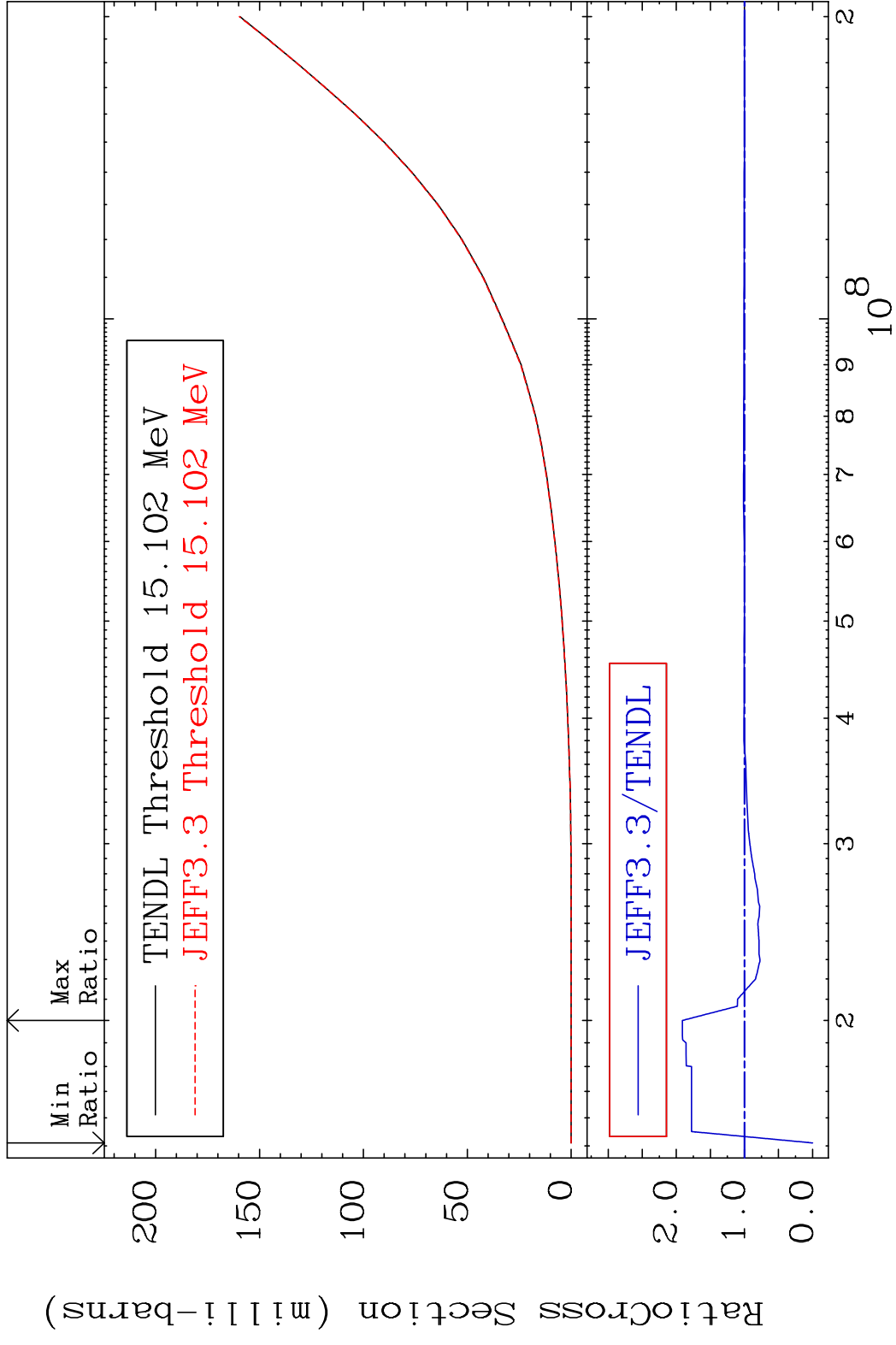


MAT 3449

He-3 Production

34-Se-82

Cross Section -100.0 To 91.17 %



60

Incident Energy (eV)

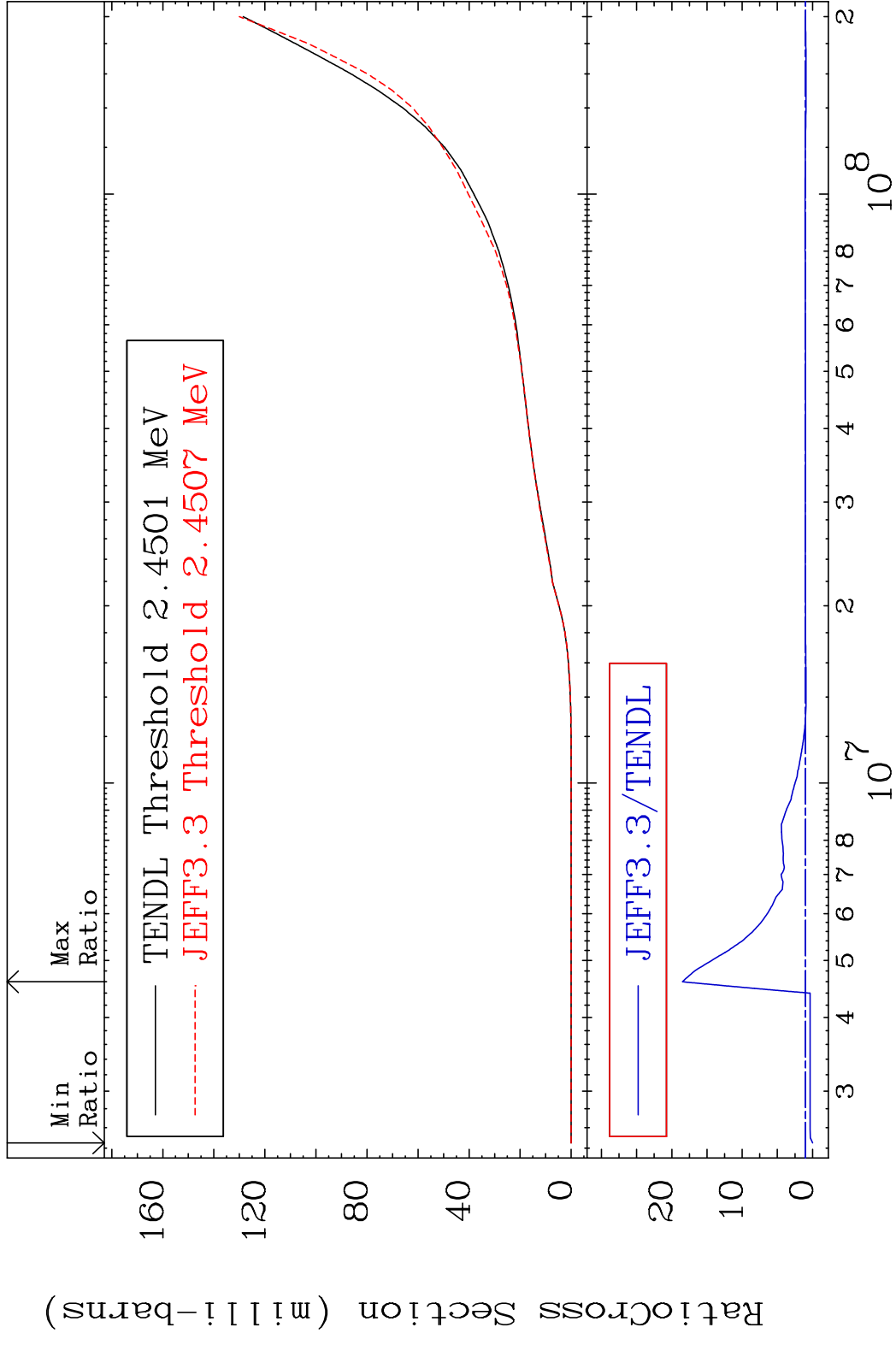
34-Se-82

MAT 3449

He-4 Production

34-Se-82

Cross Section -100.0 To 1750. %

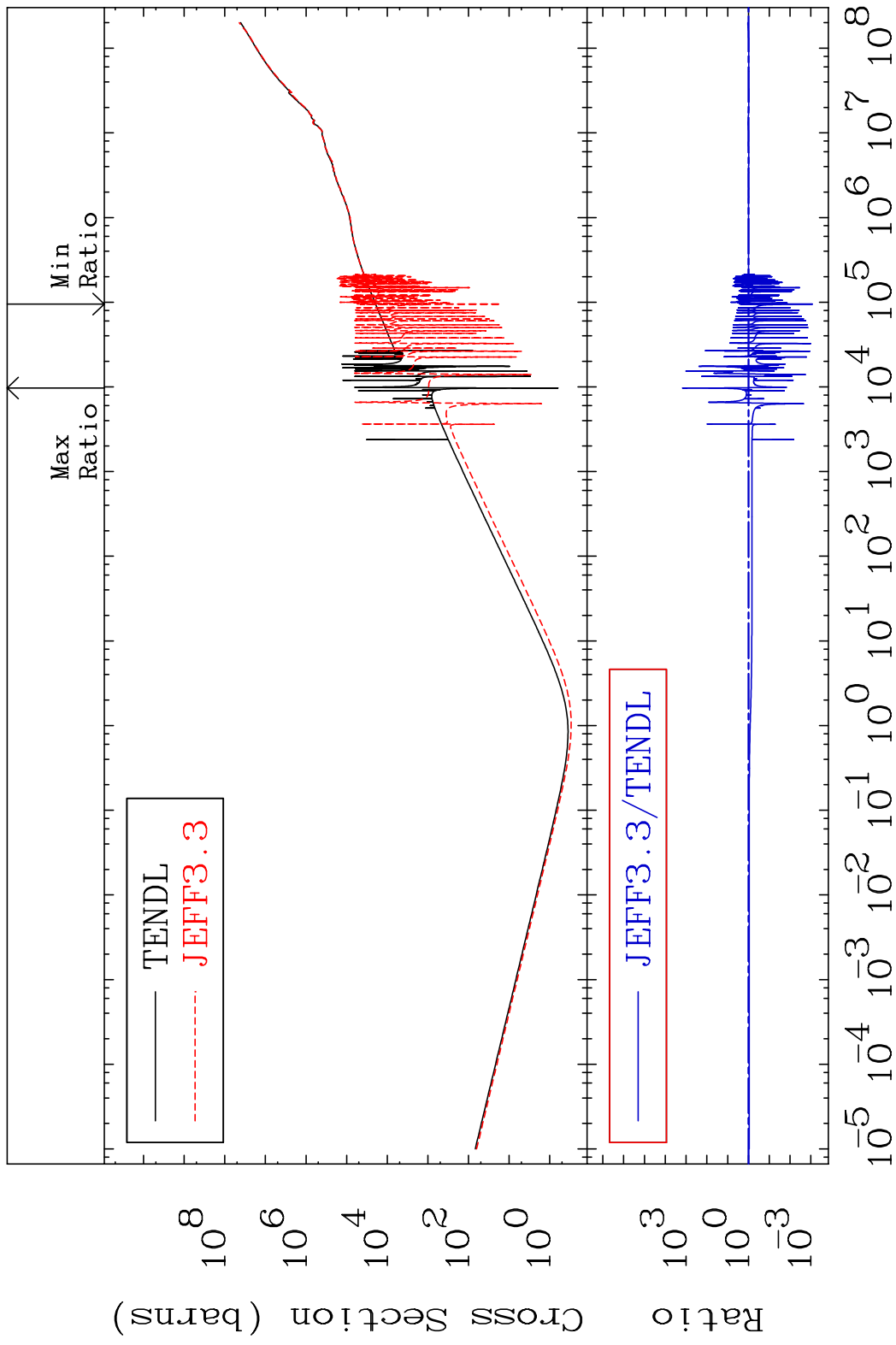


61

Incident Energy (eV)

34-Se-82

MAT 3449 Kerma total (eV-barns) 34-Se-82
 Cross Section -99.92 To 9999. %

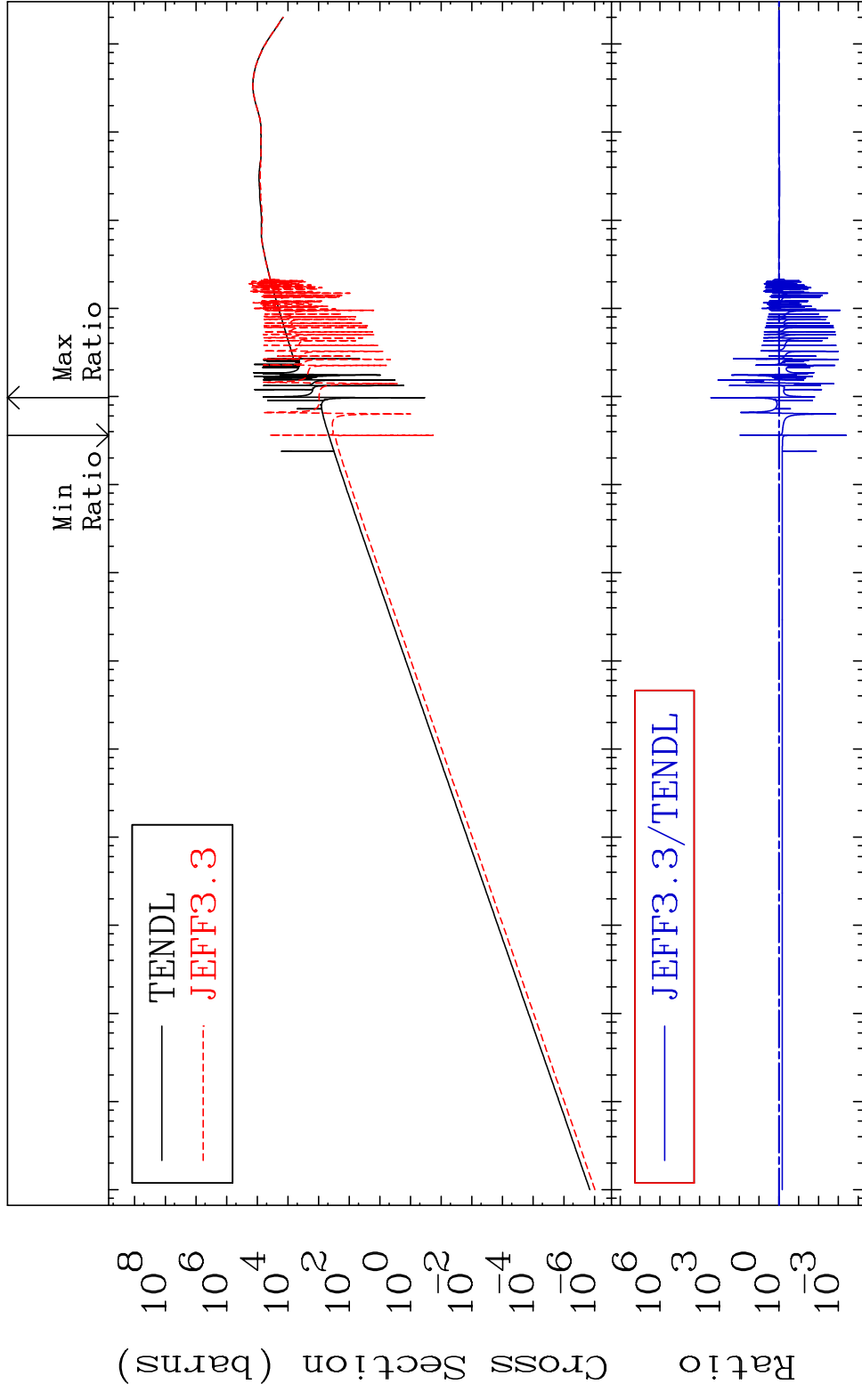


62 Incident Energy (eV) 34-Se-82

MAT 3449

Kerma elastic
Cross Section

34-Se-82
-99.96 To 9999. %

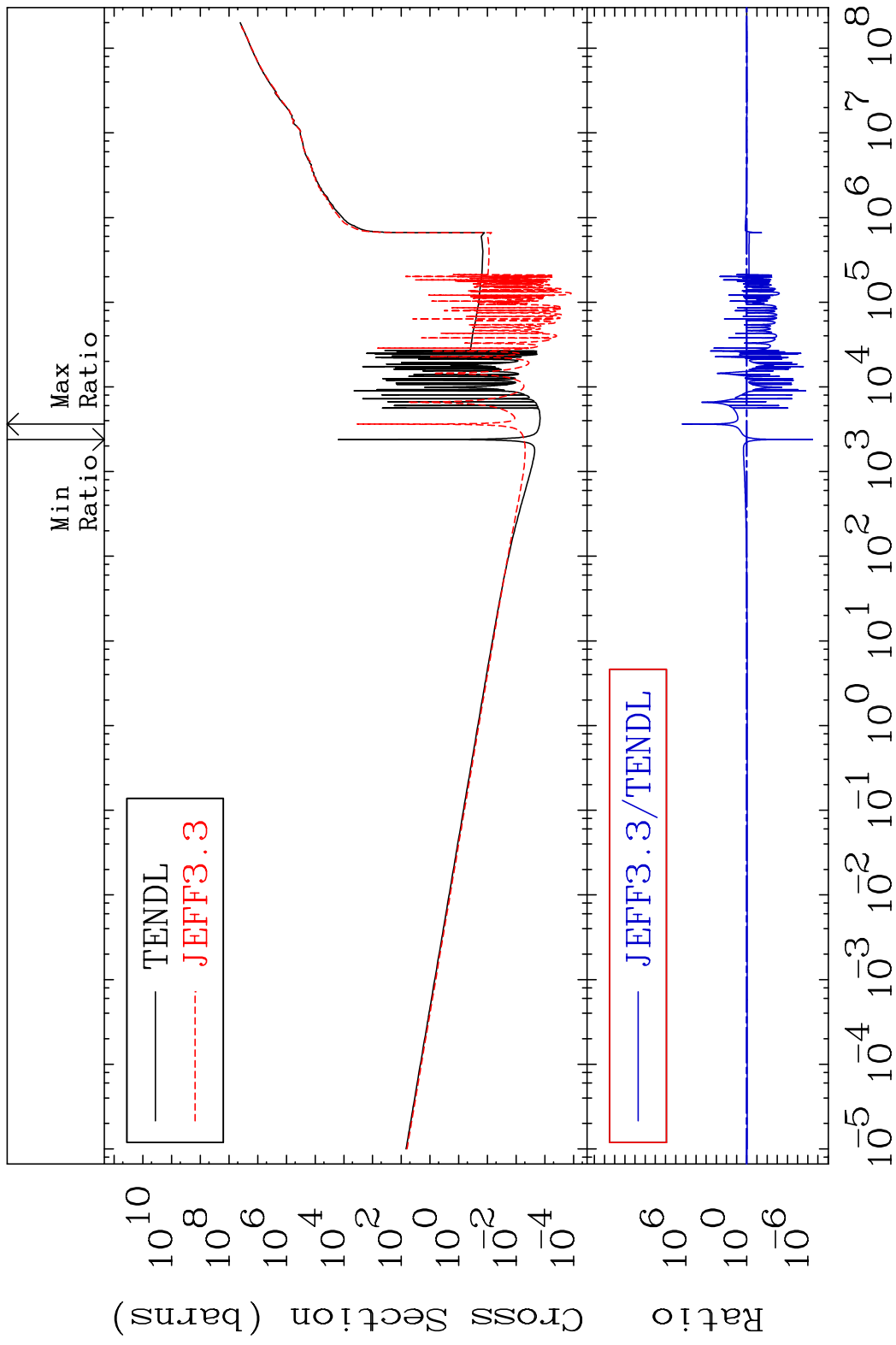


63

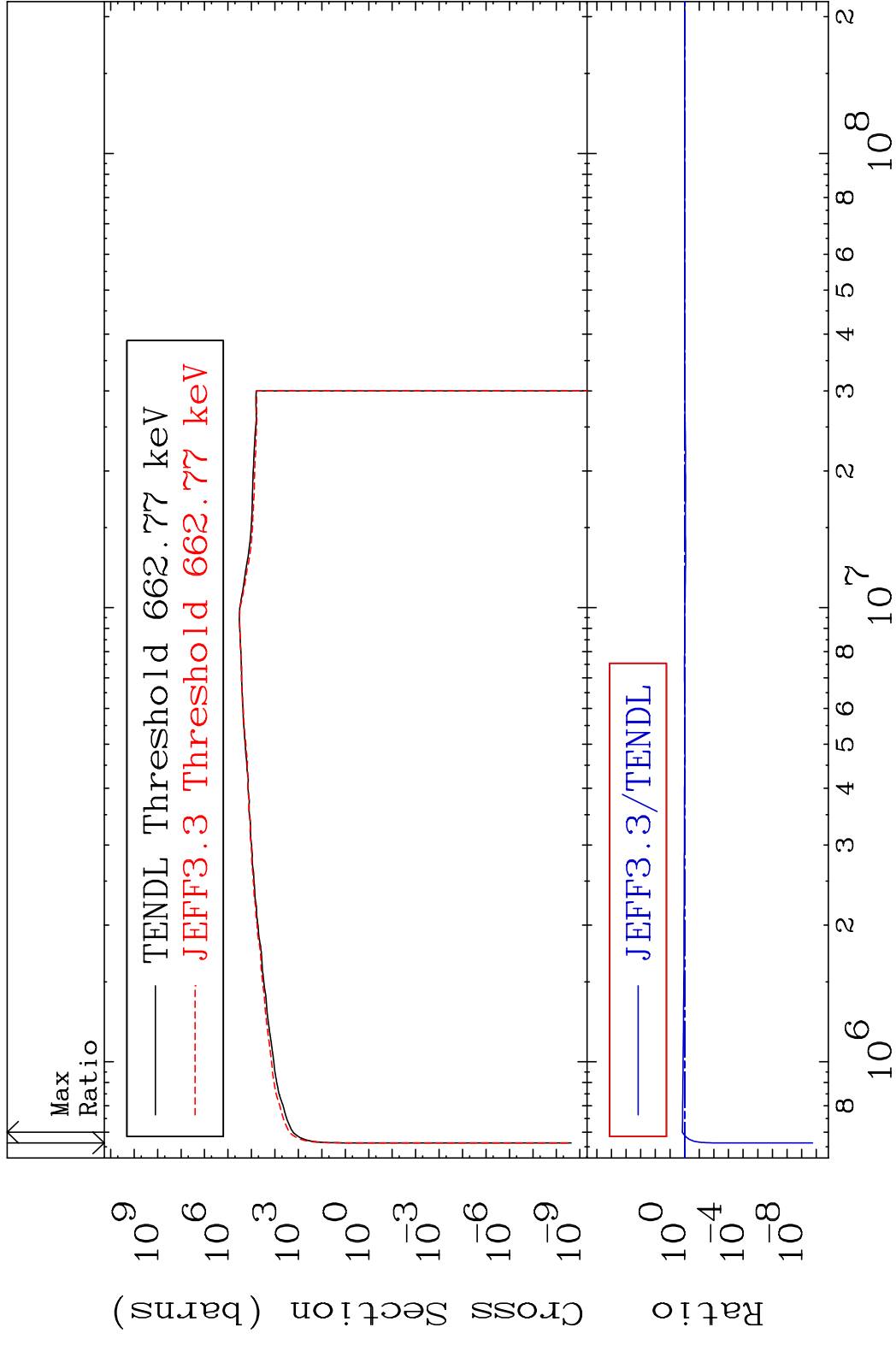
Incident Energy (eV)

34-Se-82

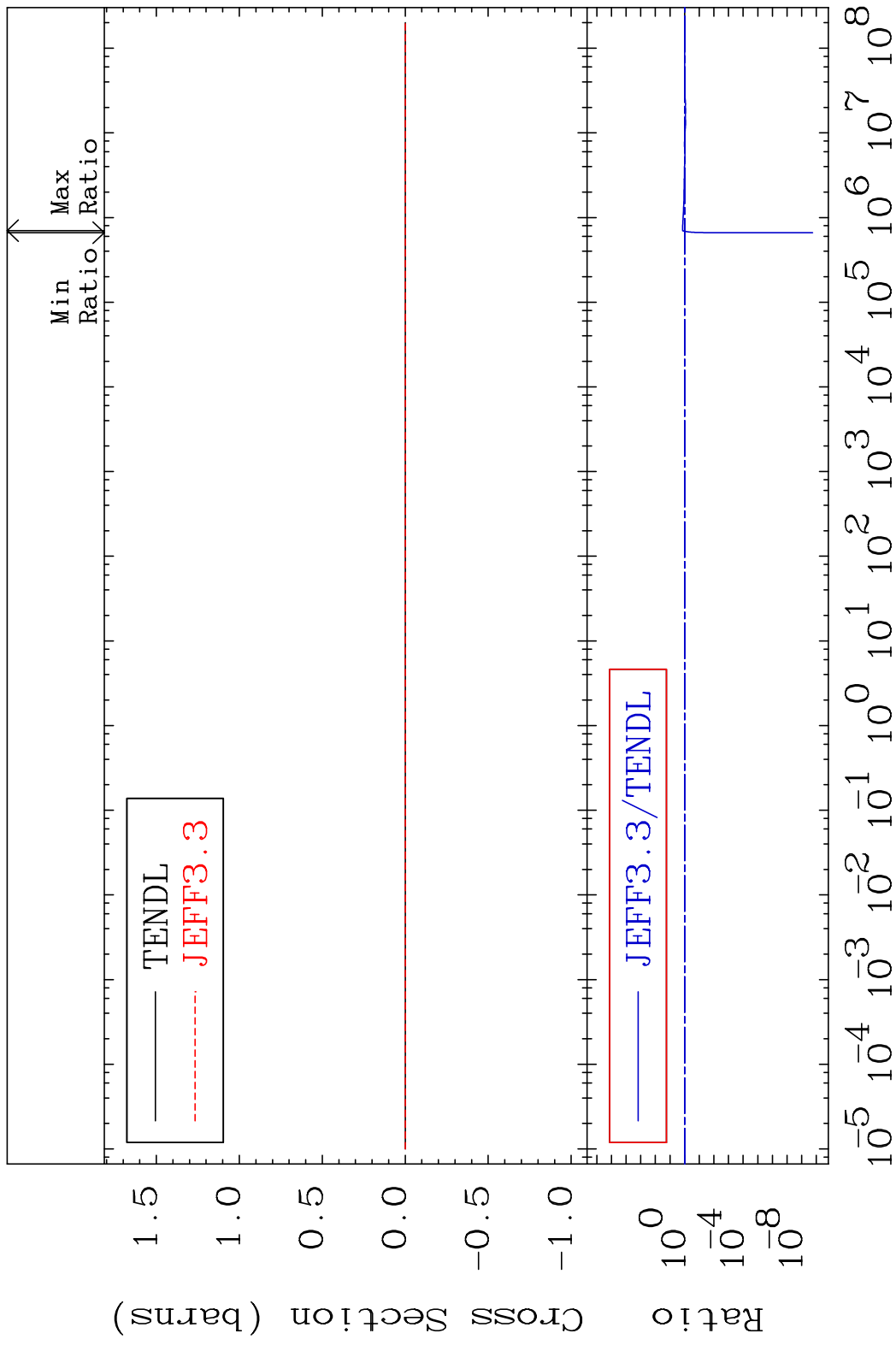
MAT 3449 Kerma non-elastic (all but mt2) 34-Se-82
 Cross Section -100.0 To 9999. %



MAT 3449 Kerma inelastic (mt51-91) 34-Se-82
 Cross Section -100.0 To 42.34 %

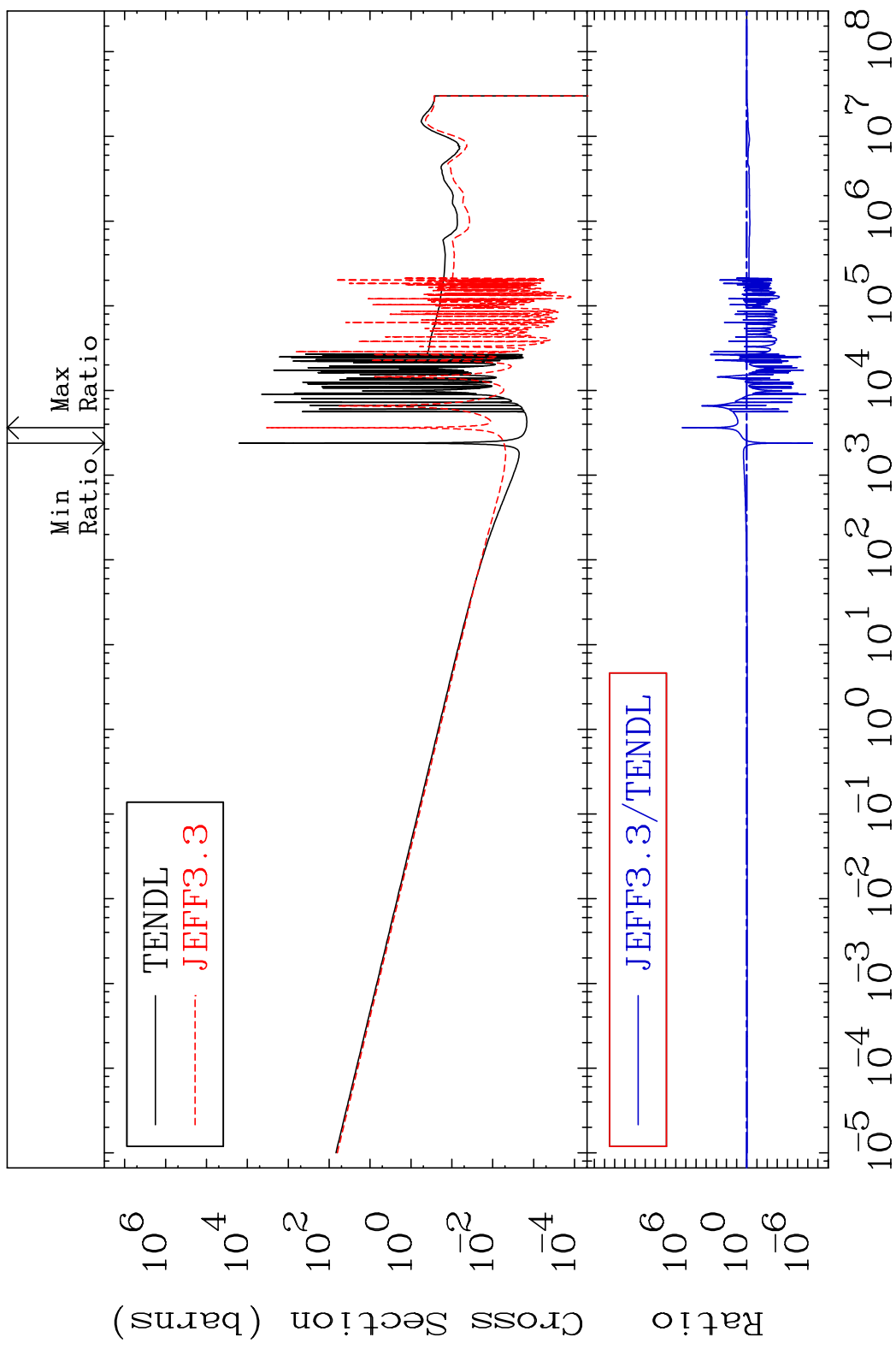


MAT 3449 Kerma fission (mt18 or mt19-20-21-38) 34-Se-82
 Cross Section -100.0 To 42.34 %



MAT 3449

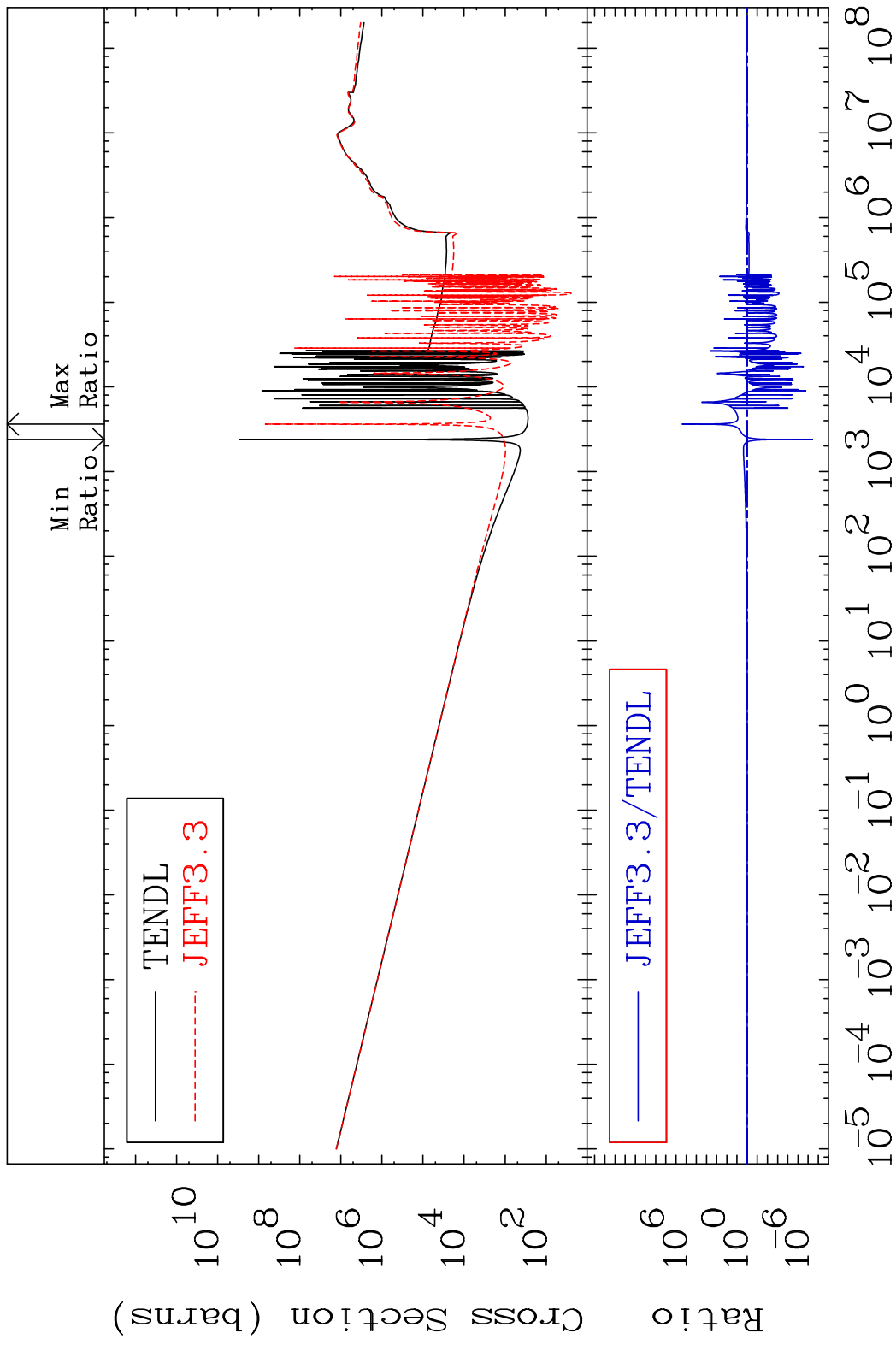
Kerma capture (mt102) 34-Se-82
Cross Section -100.0 To 9999. %



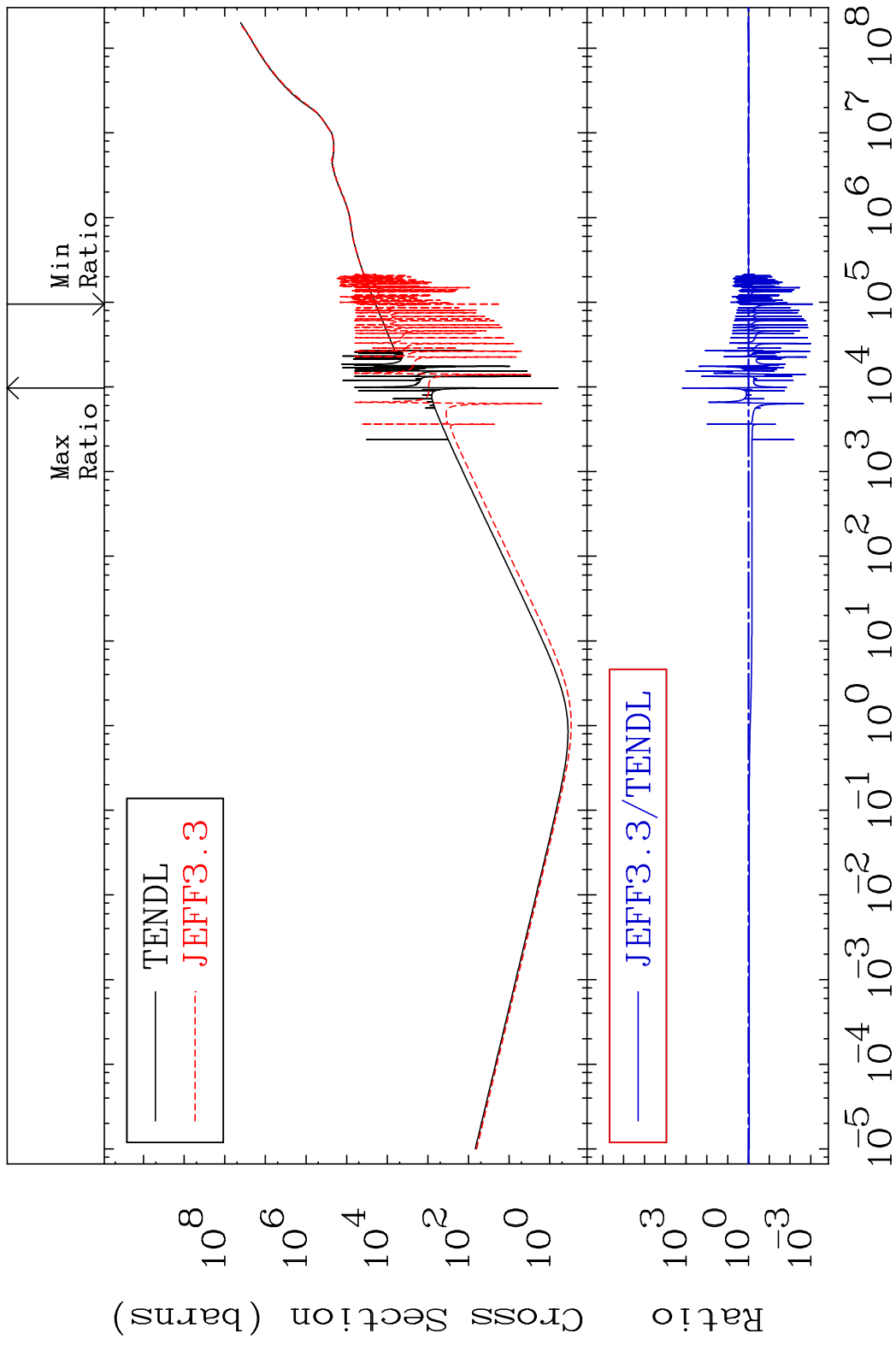
67

Incident Energy (eV) 34-Se-82

MAT 3449 Total photon (eV-barns) 34-Se-82
 Cross Section -100.0 To 9999. %



MAT 3449 Total kinematic kerma (high limit) 34-Se-82
 Cross Section -99.92 To 9999. %

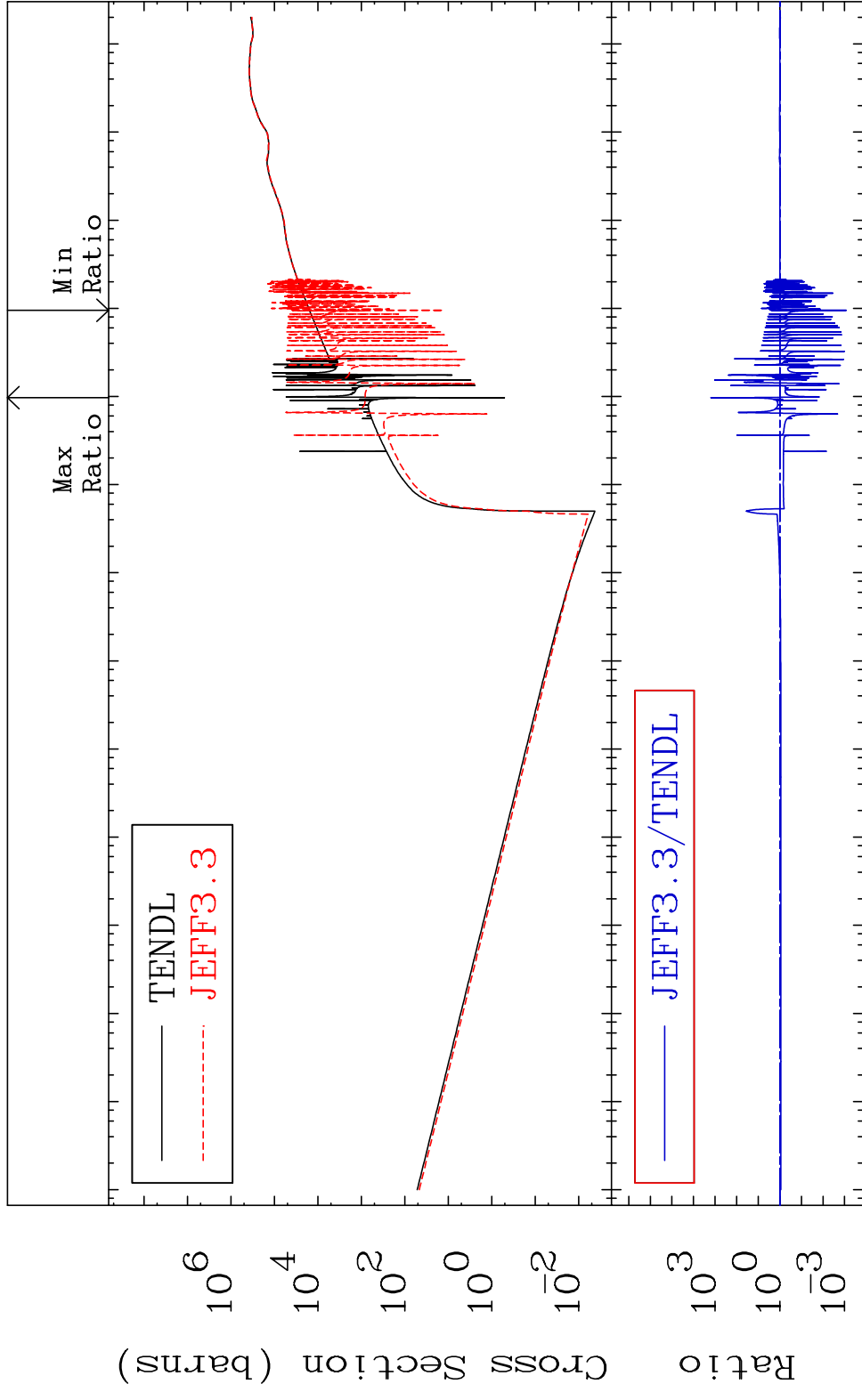


MAT 3449

Dpa total (eV-barns)

34-Se-82

Cross Section -99.92 To 9999. %



70

Incident Energy (eV)

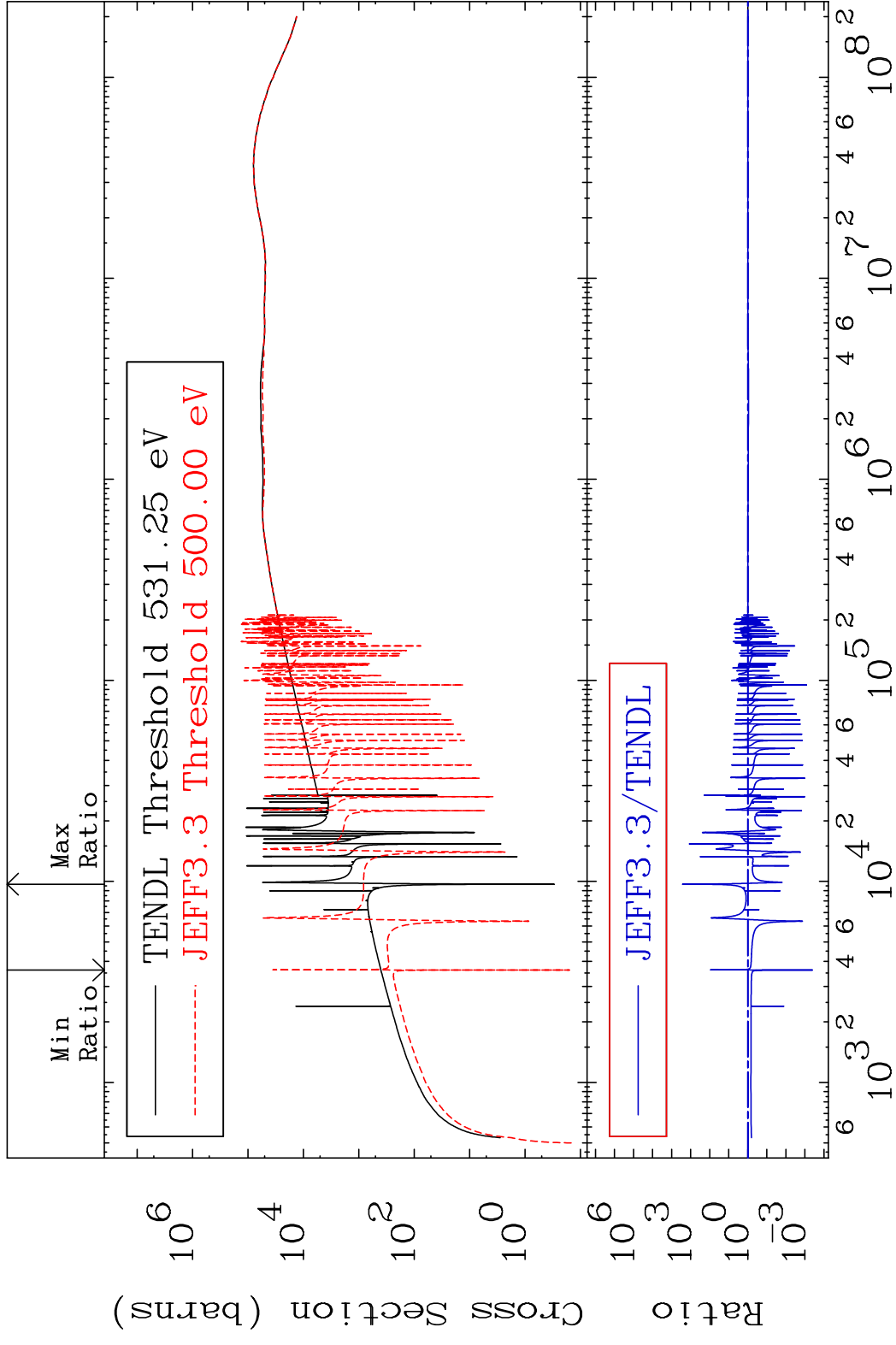
34-Se-82

MAT 3449

Dpa elastic (mt2)

34-Se-82

Cross Section -99.96 To 9999. %

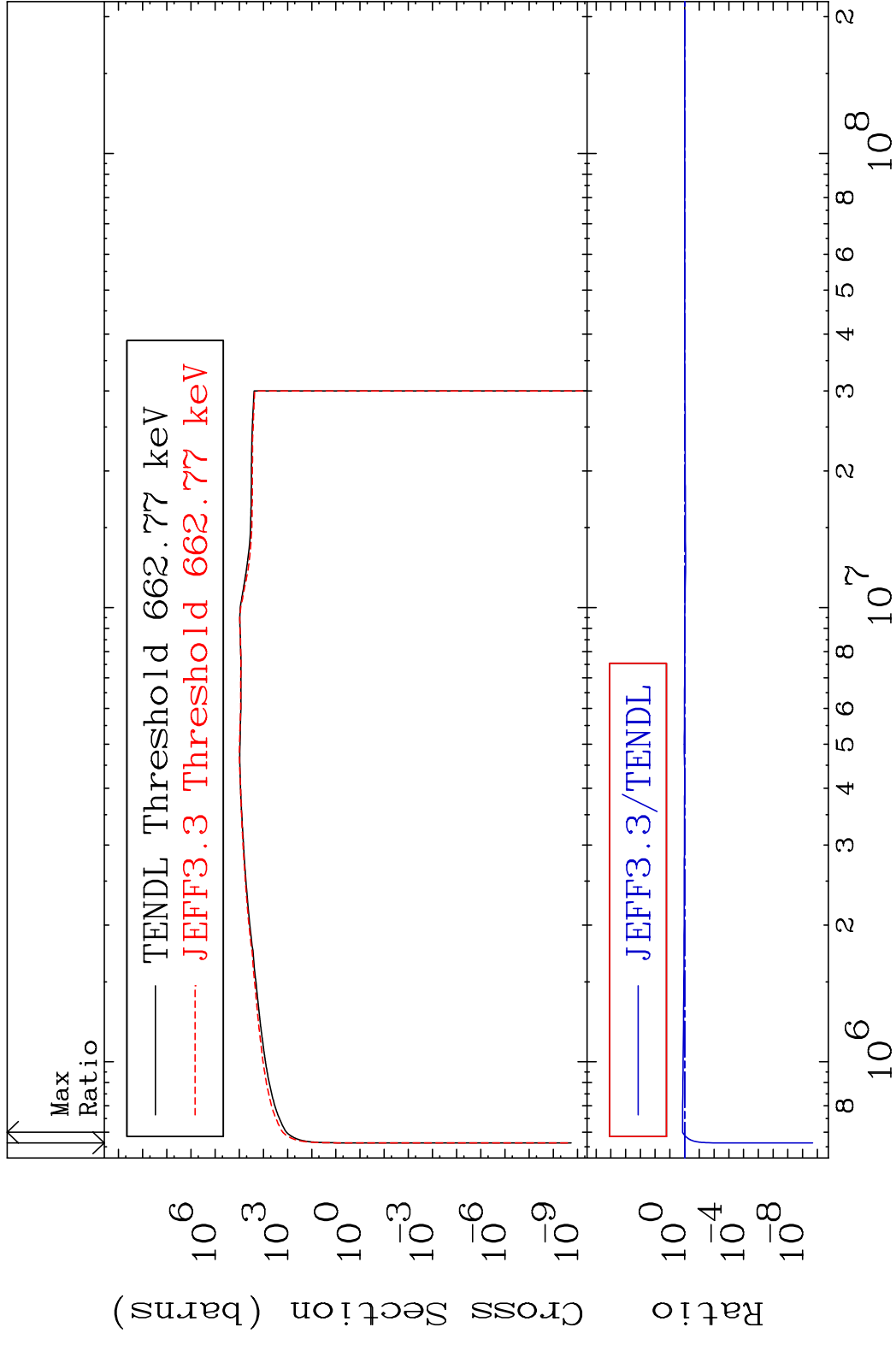


71

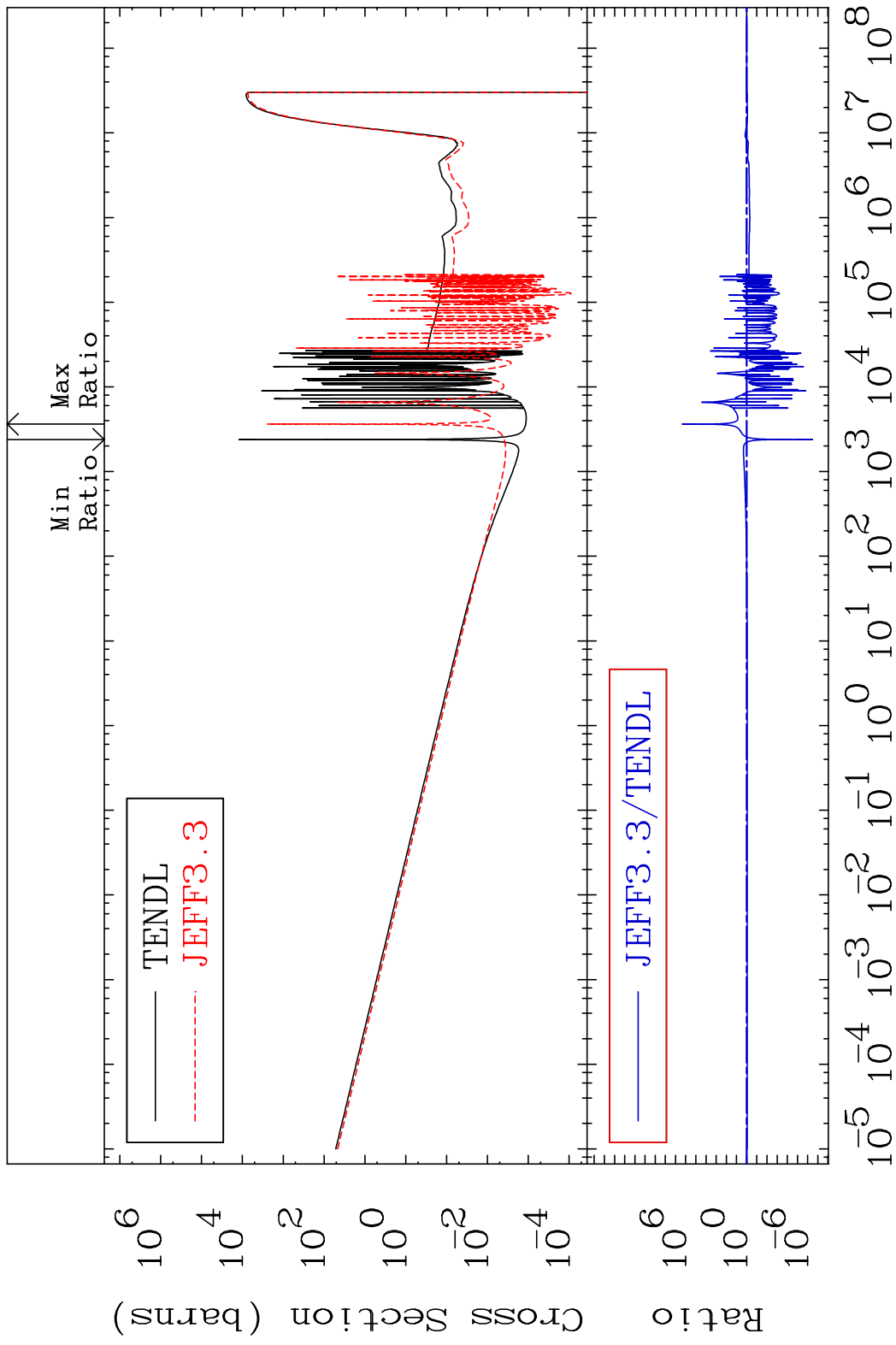
Incident Energy (eV)

34-Se-82

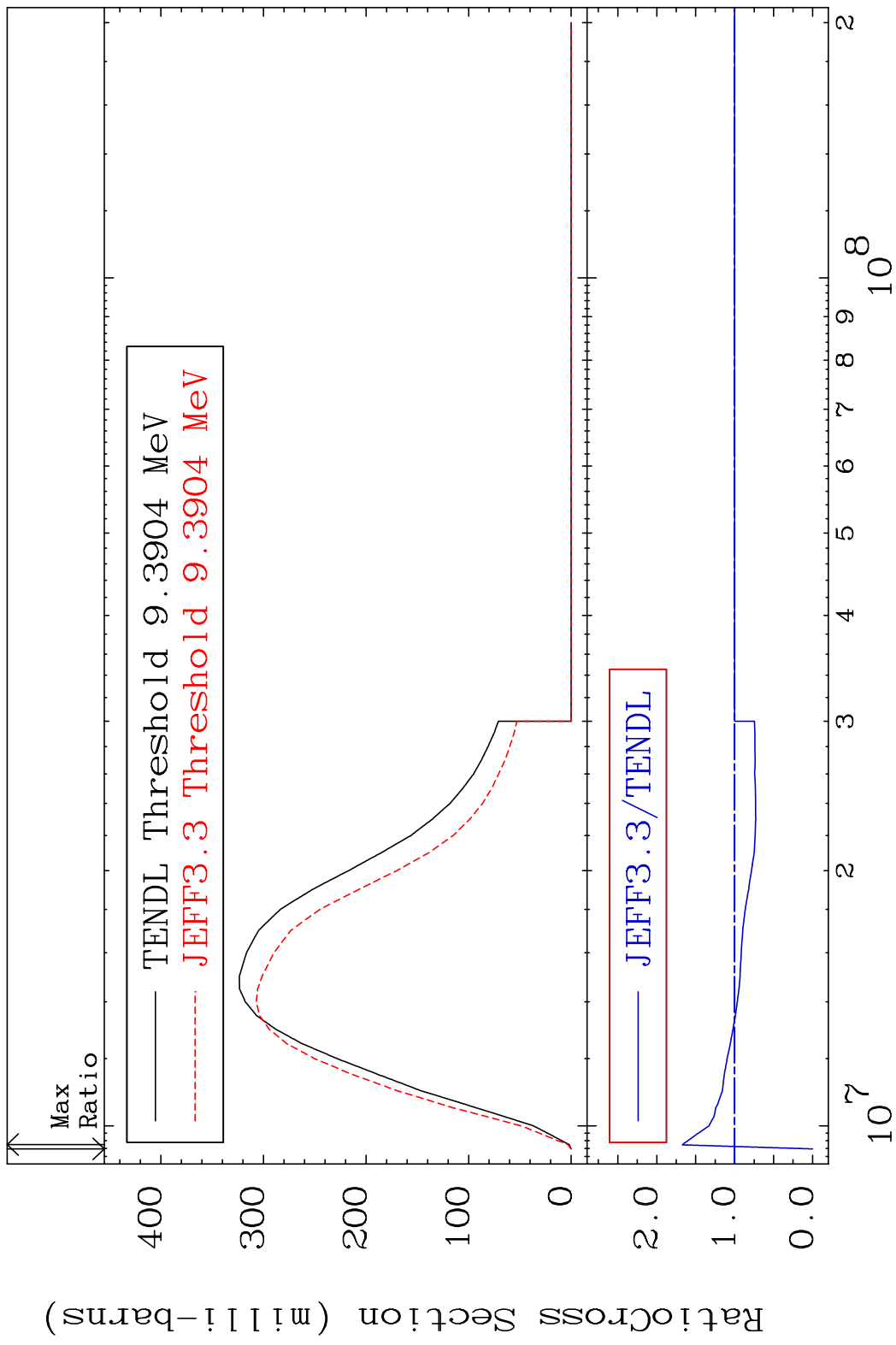
MAT 3449 Dpa inelastic (mt51-91) 34-Se-82
 Cross Section -100.0 To 42.34 %



MAT 3449 Dpa disappearance (mt102 -120) 34-Se-82
 Cross Section -100.0 To 9999. %

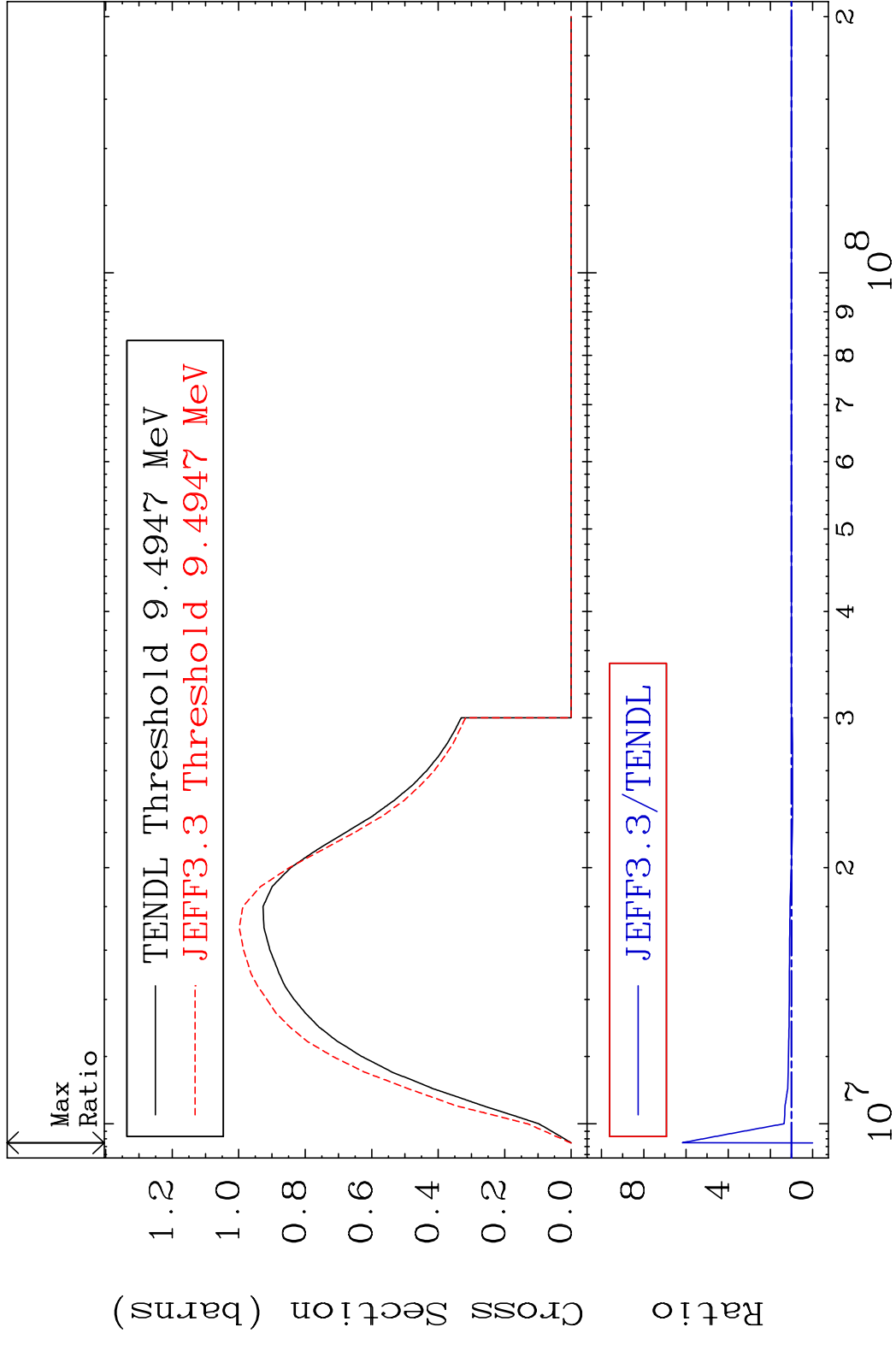


MAT 3449 (n,2n):34-Se-81g 34-Se-82
 Radionuclide Production Cross Section 67.15 %



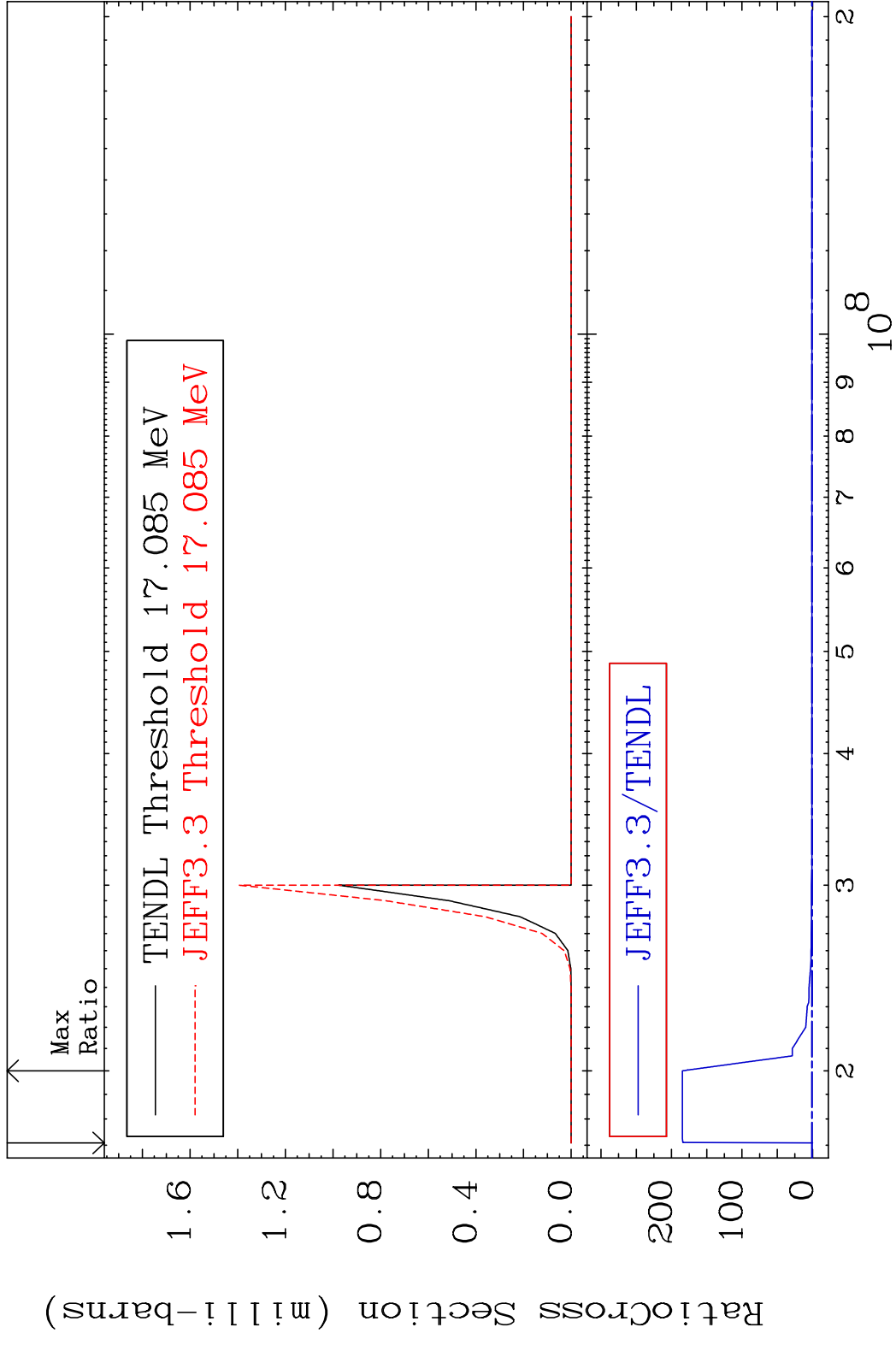
74 Incident Energy (eV) 34-Se-82

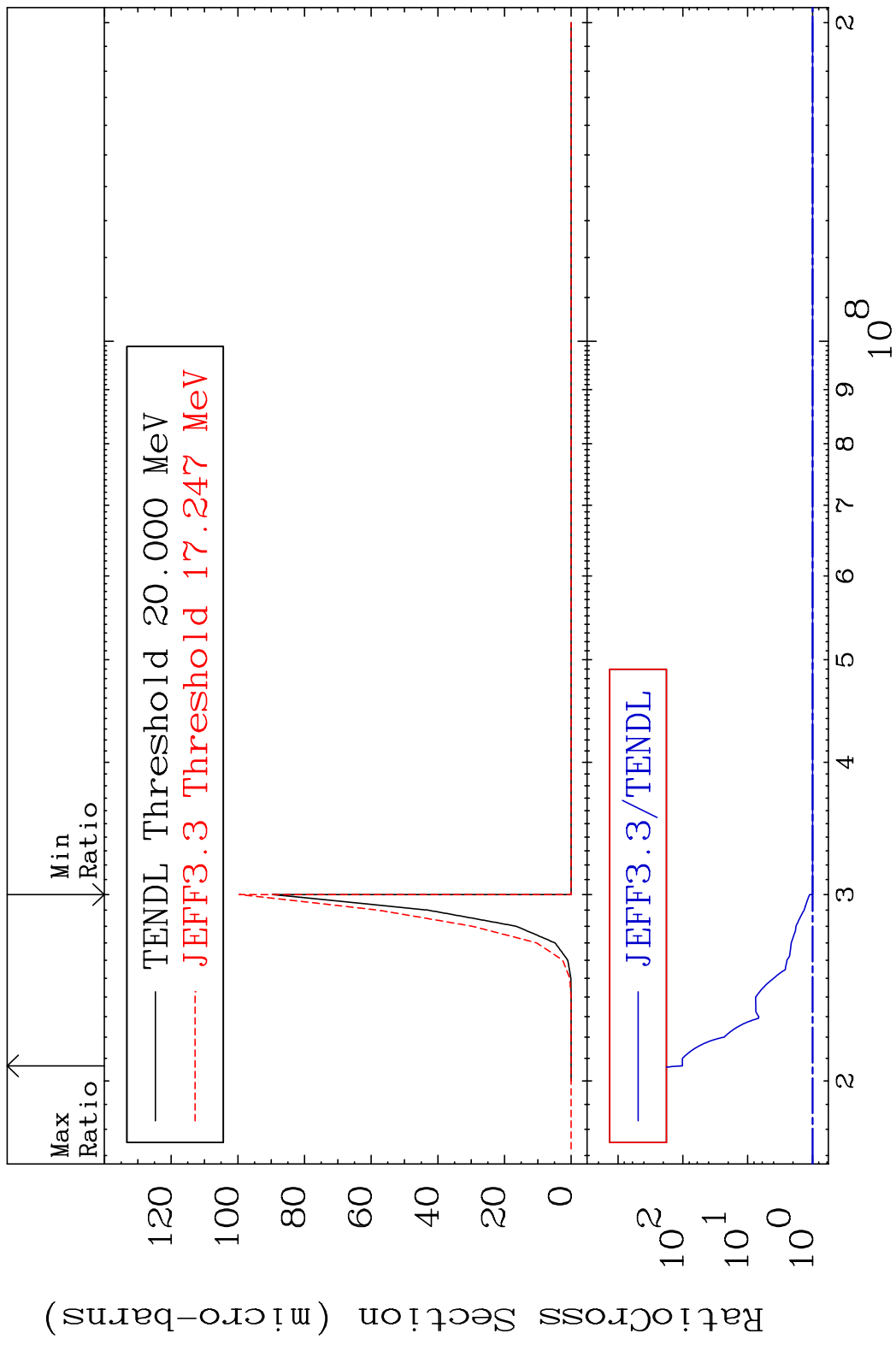
MAT 3449 (n,2n):34-Se-81m1 34-Se-82
 Radionuclide Production Cross Section Ratio 517.0 %

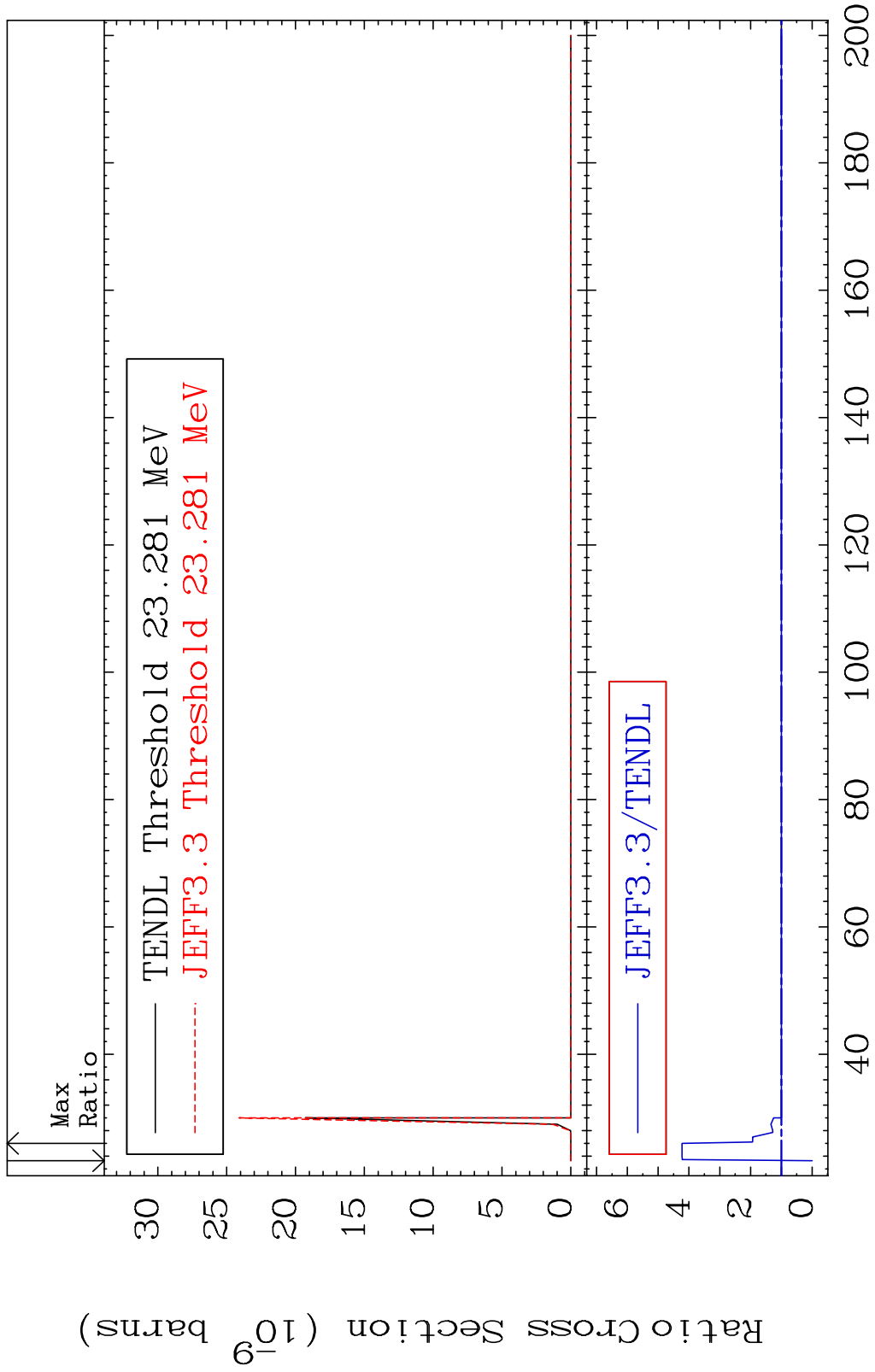


75 Incident Energy (eV) 34-Se-82

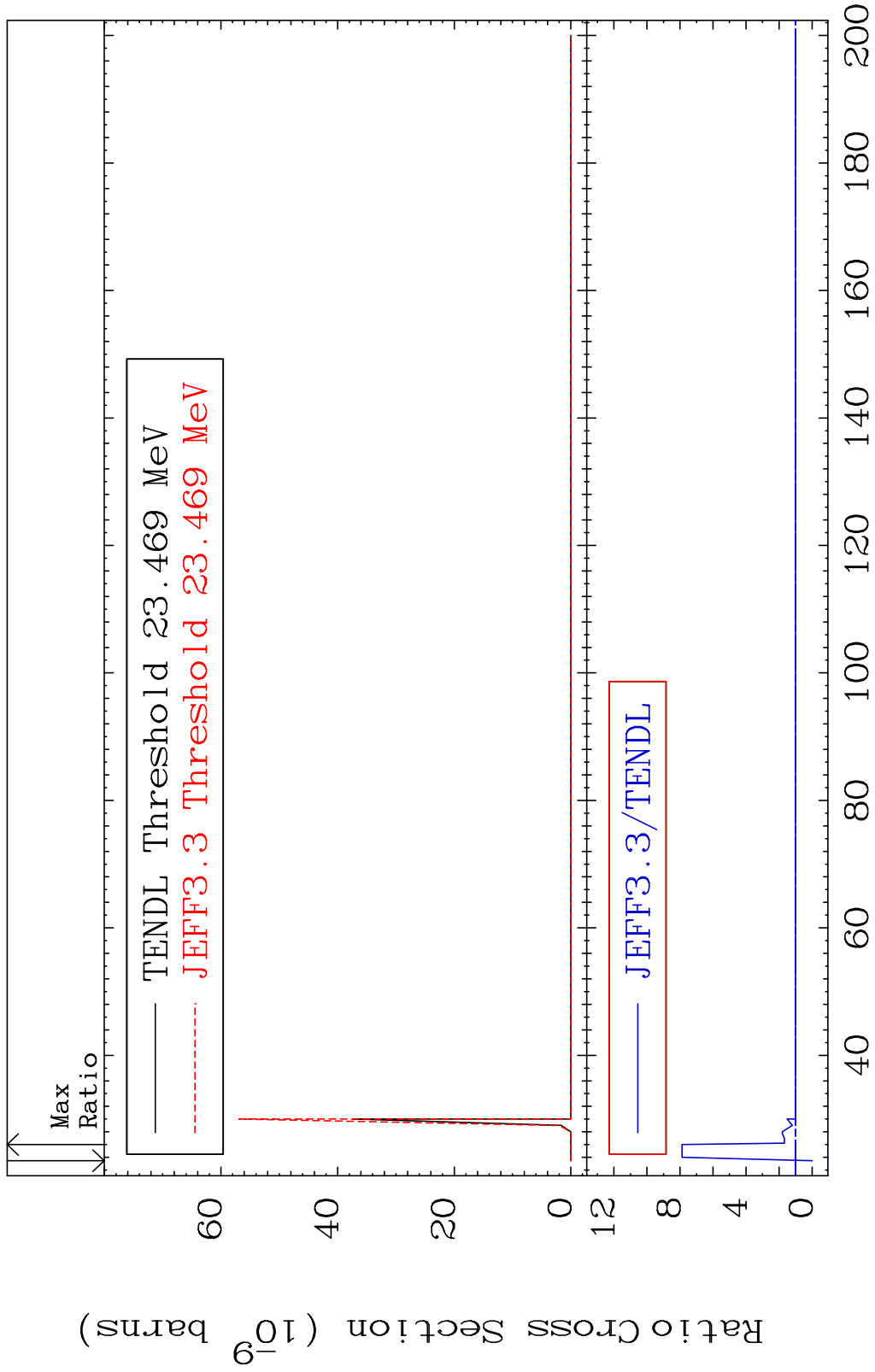
MAT 3449 (n,2n) α :32-Ge-77g 34-Se-82
 Radionuclide Production Cross Section 1800 d to 9999. %



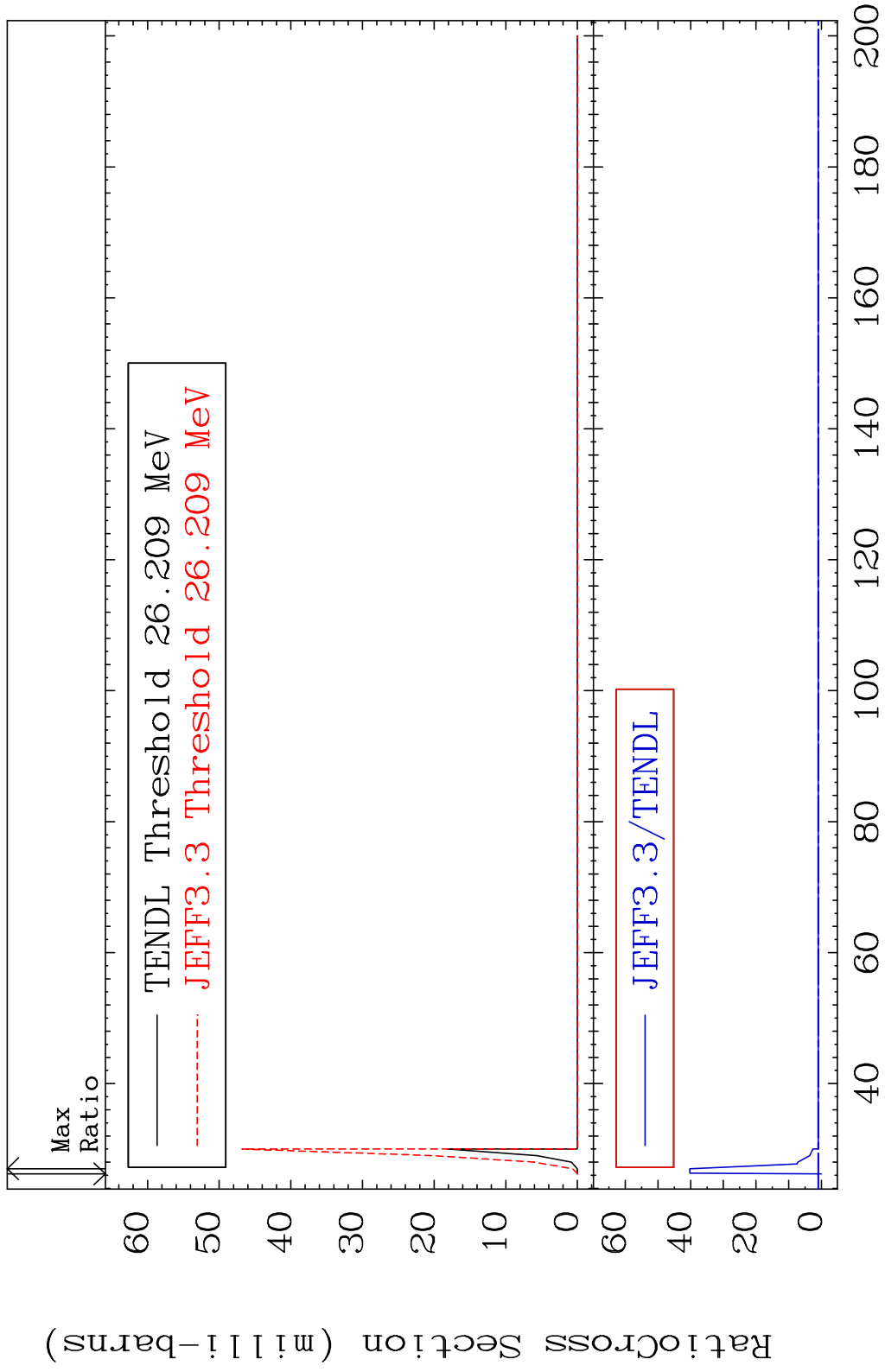




MAT 3449 (n, n') He-3:32-Ge-79m1 34-Se-82
 Radionuclide Production Cross Section Ratio 687.9 %

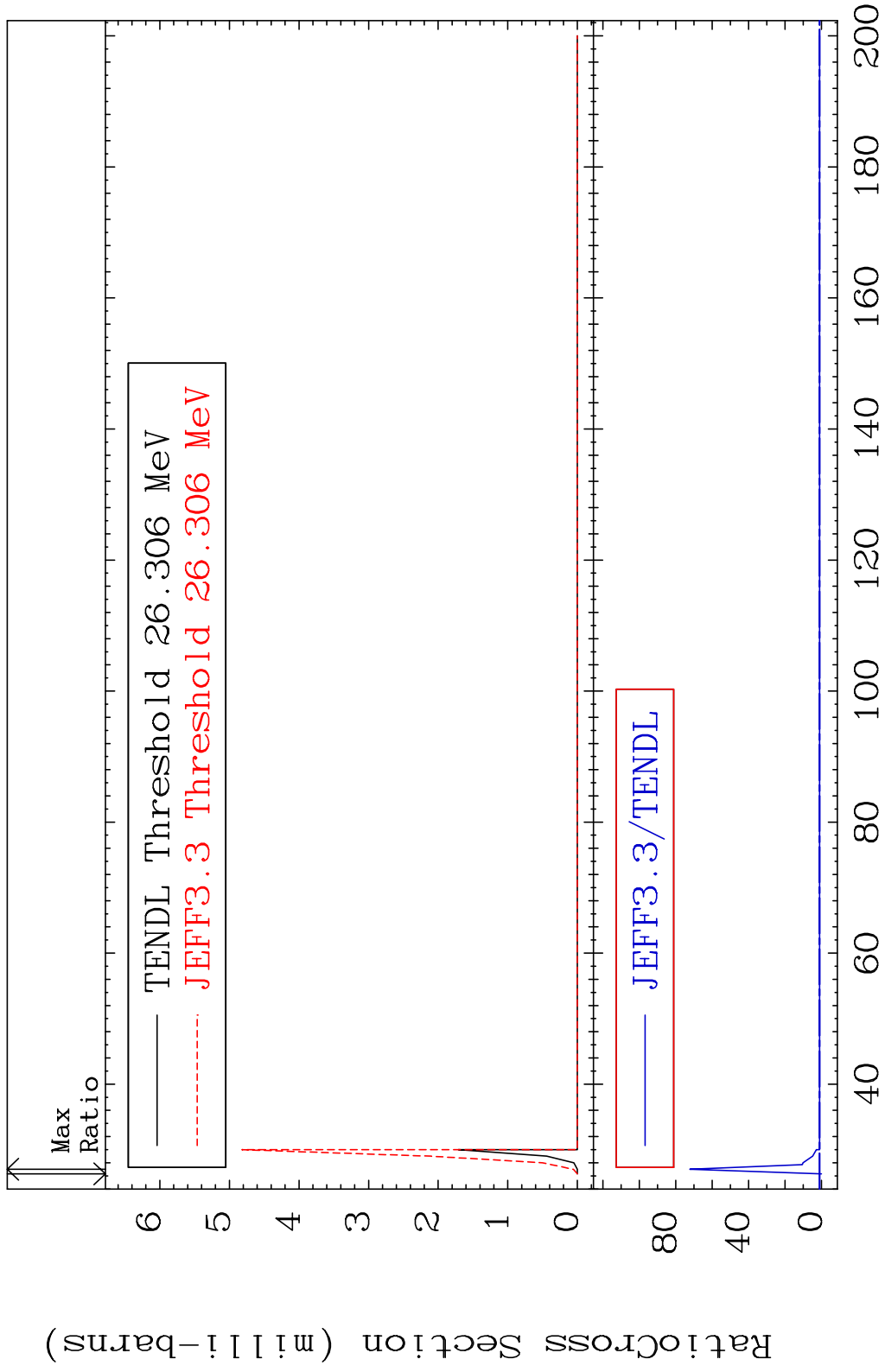


MAT 3449 (n,4n):34-Se-79g 34-Se-82
 Radionuclide Production Cross Section Ratio 3927. %

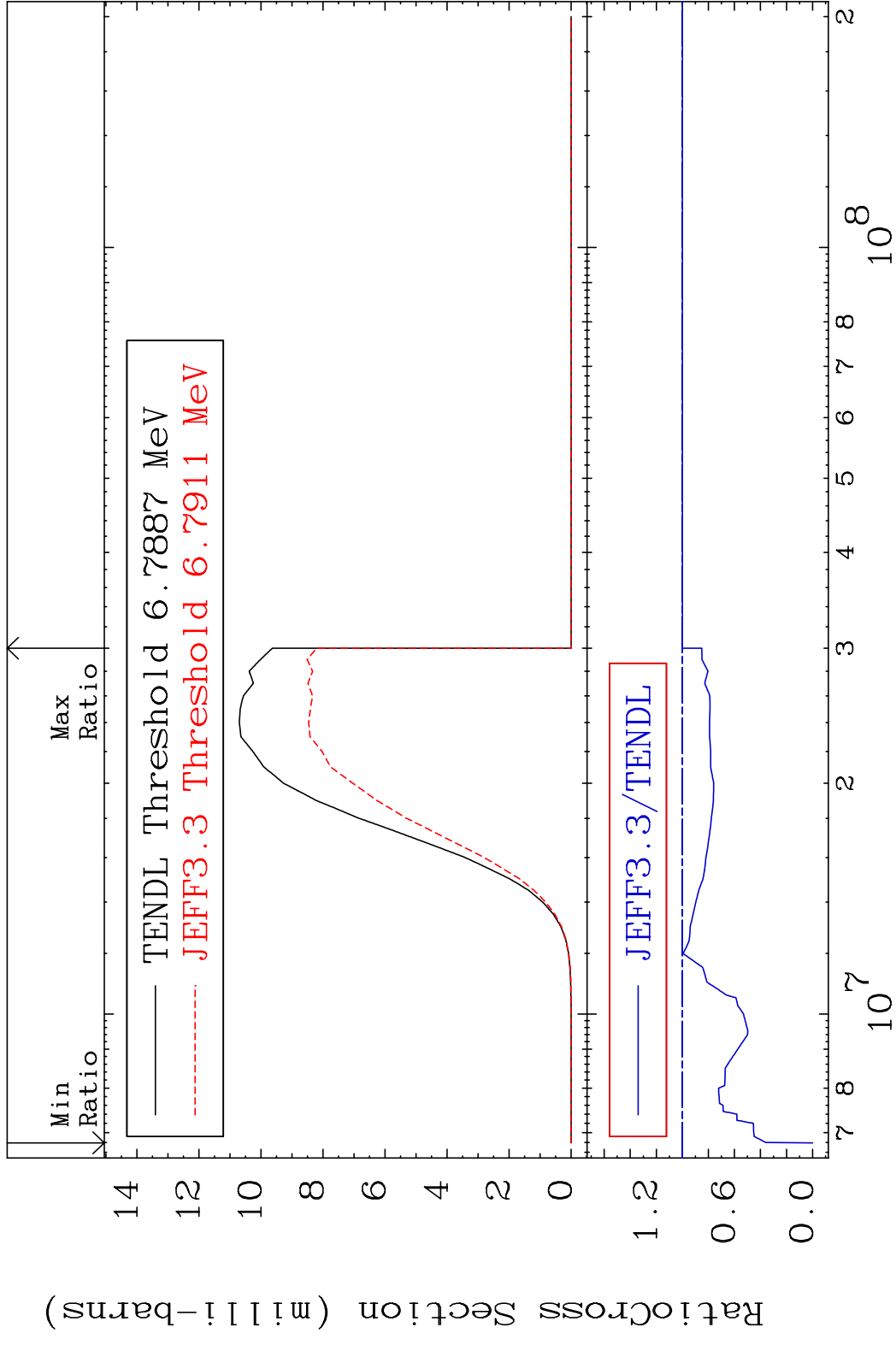


80 Incident Energy (MeV) 34-Se-82

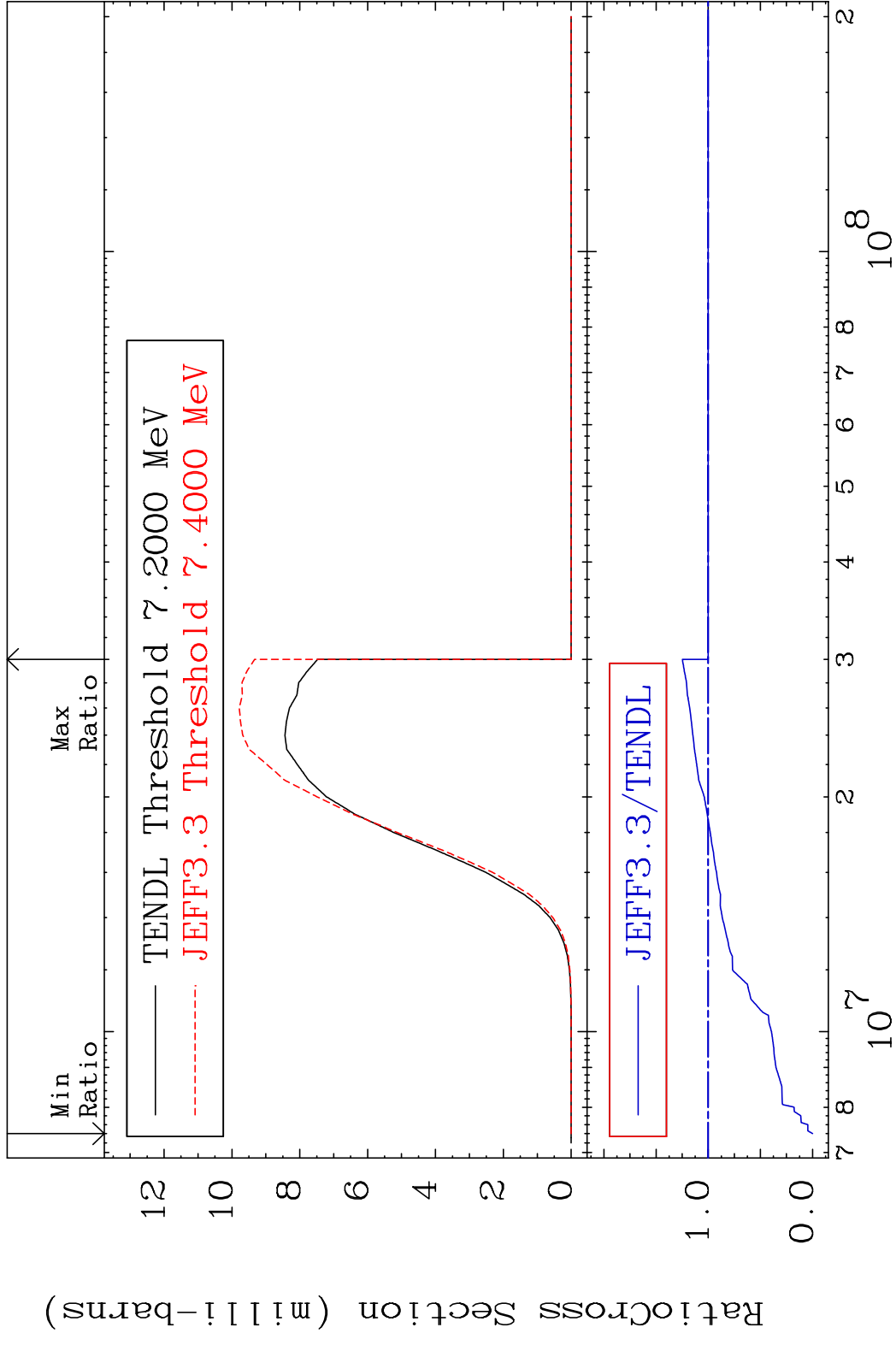
MAT 3449 (n,4n):34-Se-79m1 34-Se-82
 Radionuclide Production Cross Section 180.01 dno 7130. %



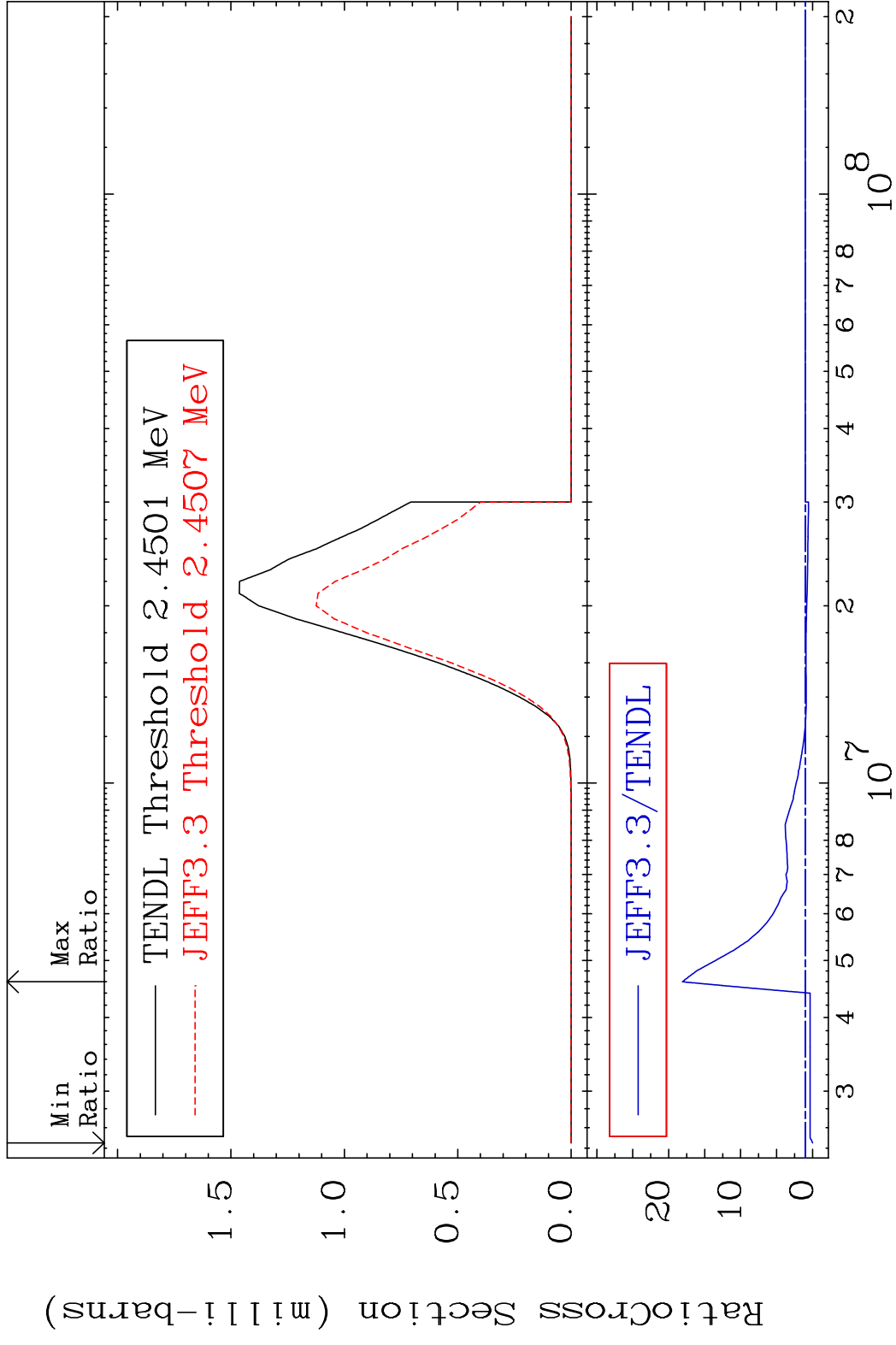
MAT 3449 (n, p):33-As-82g 34-Se-82
 Radionuclide Production Cross Section Ratio 0.000 %

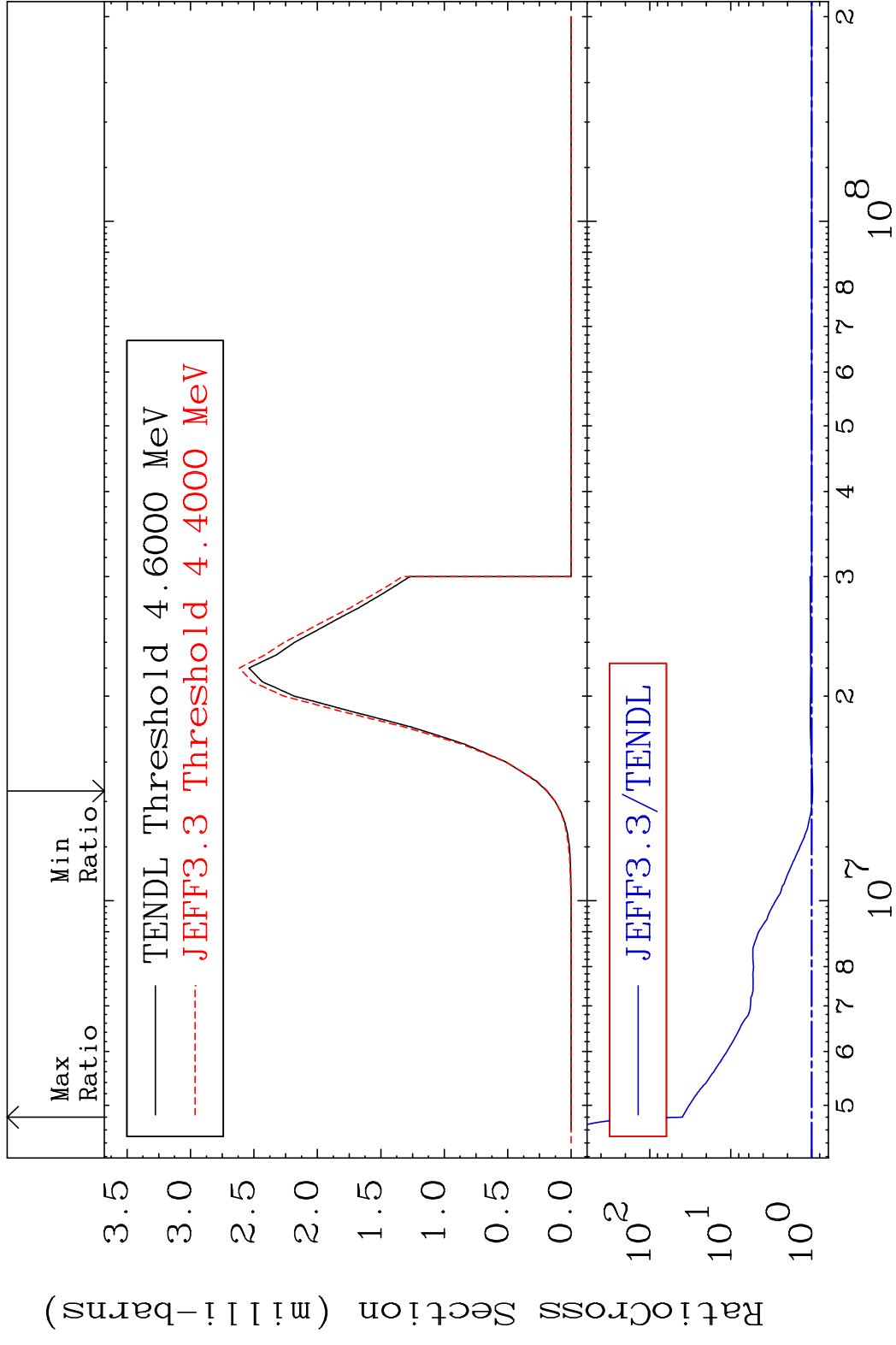


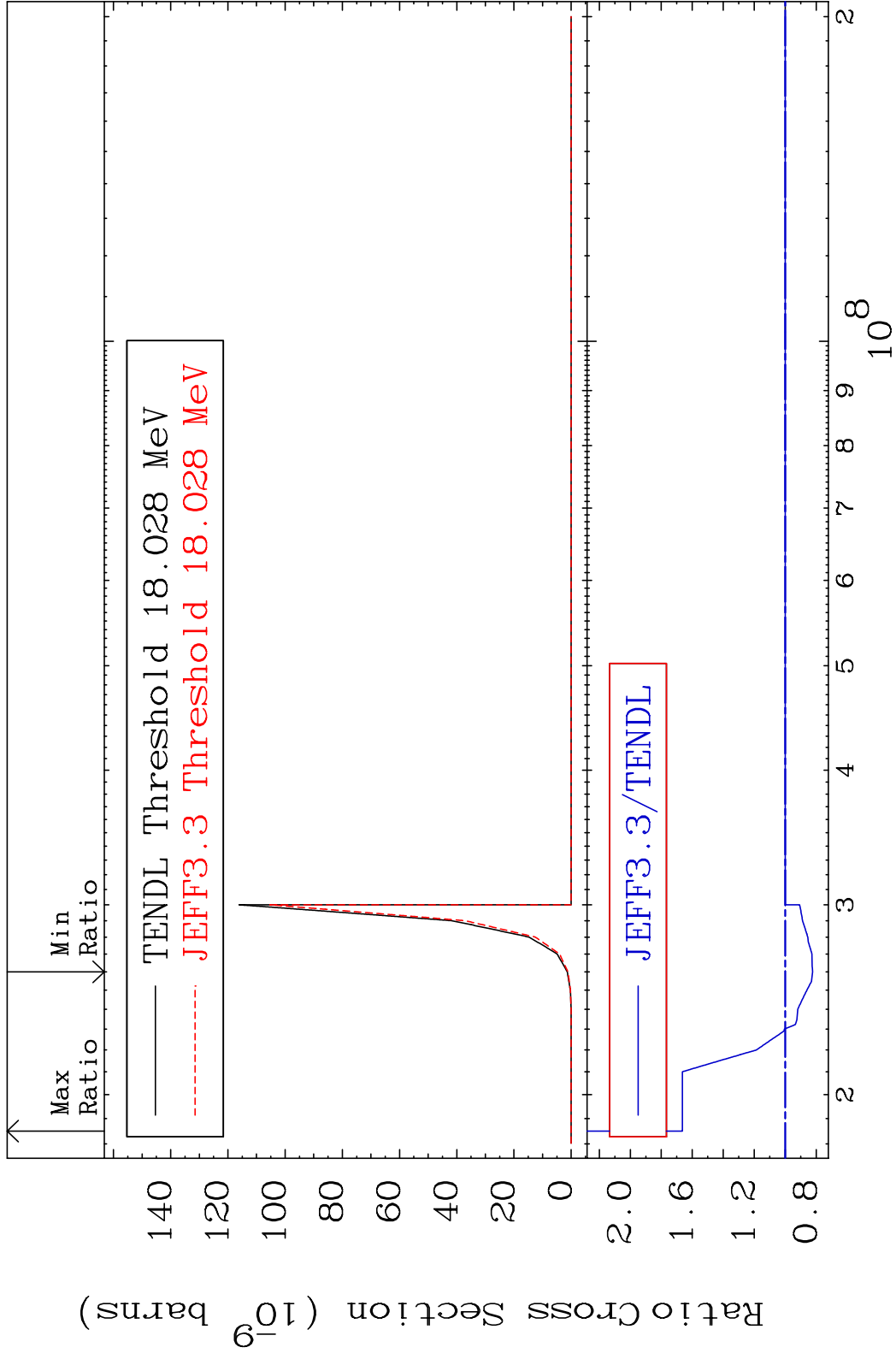
MAT 3449 (n,p):33-As-82m1 34-Se-82
 Radionuclide Production Cross Section 180.01 dno 24.82 %



MAT 3449 (n, α): 32-Ge-79g 34-Se-82
 Radionuclide Production Cross Section 1800 d to 1710. %







MAT 3449 (n,2p):32-Ge-81m1 34-Se-82
 Radionuclide Production Cross Section 181.0 %

