

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

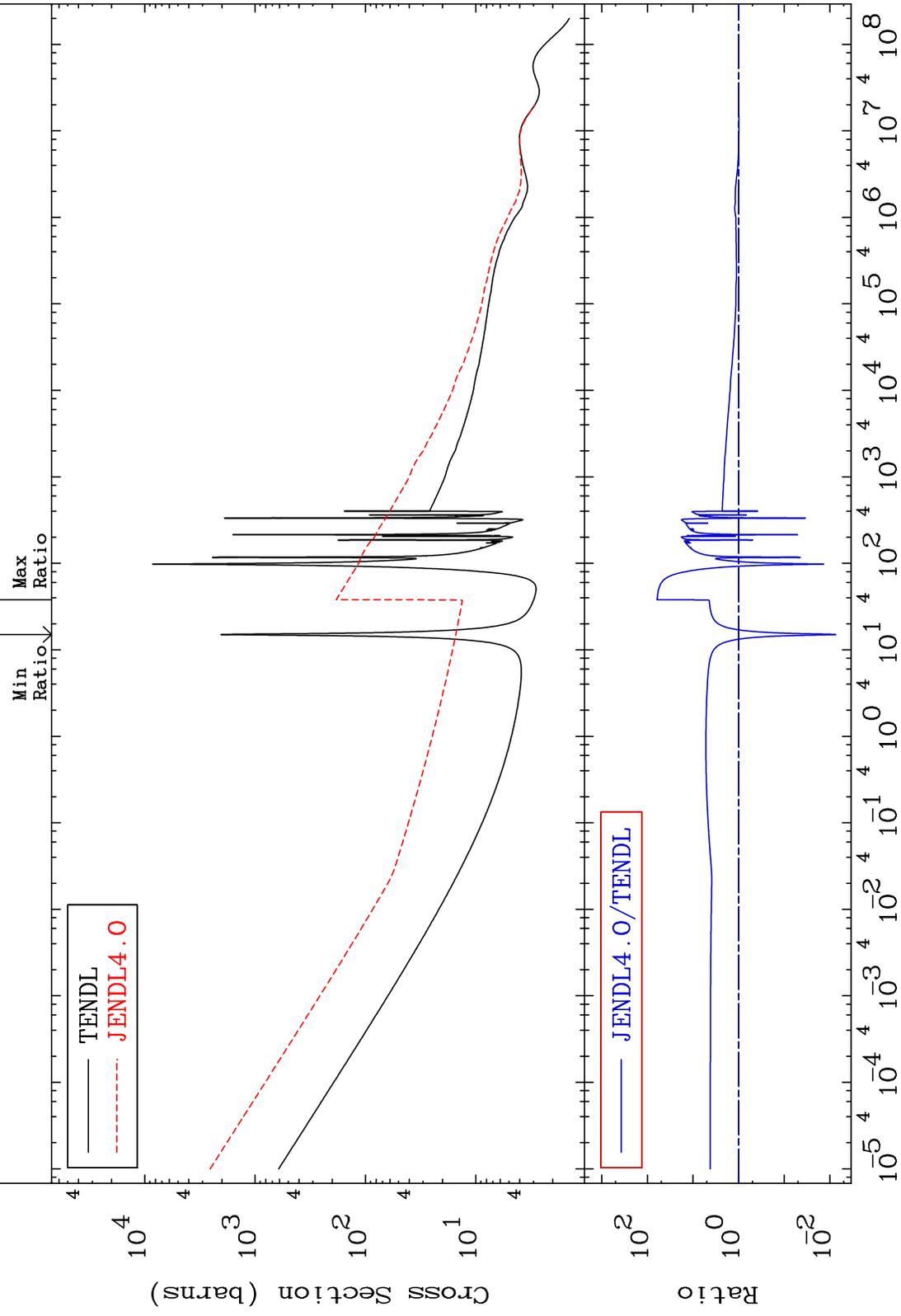
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 3440 34-Se-79 -99.26 To 6086. %

Total Cross Section

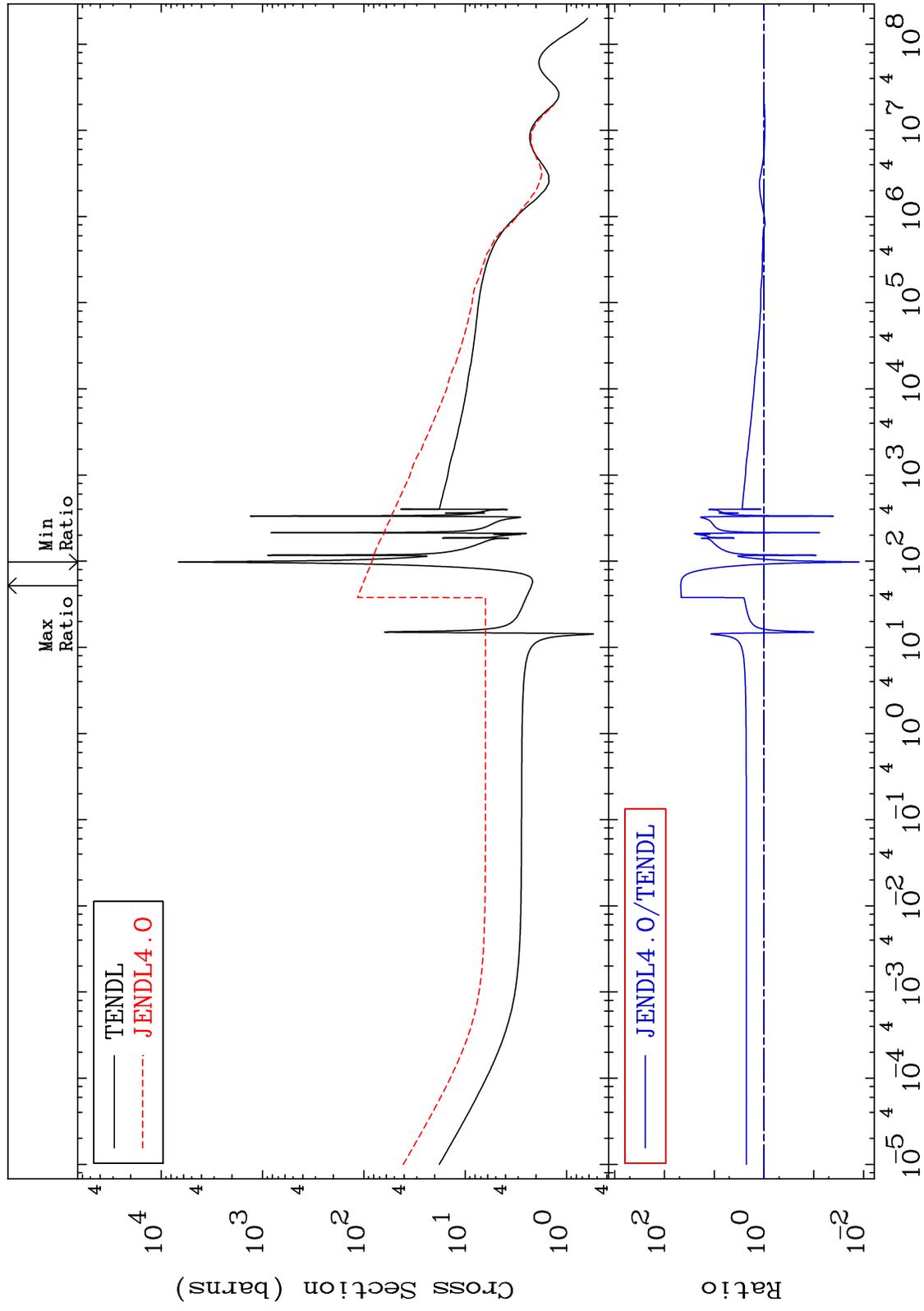


34-Se-79

Incident Energy (eV)

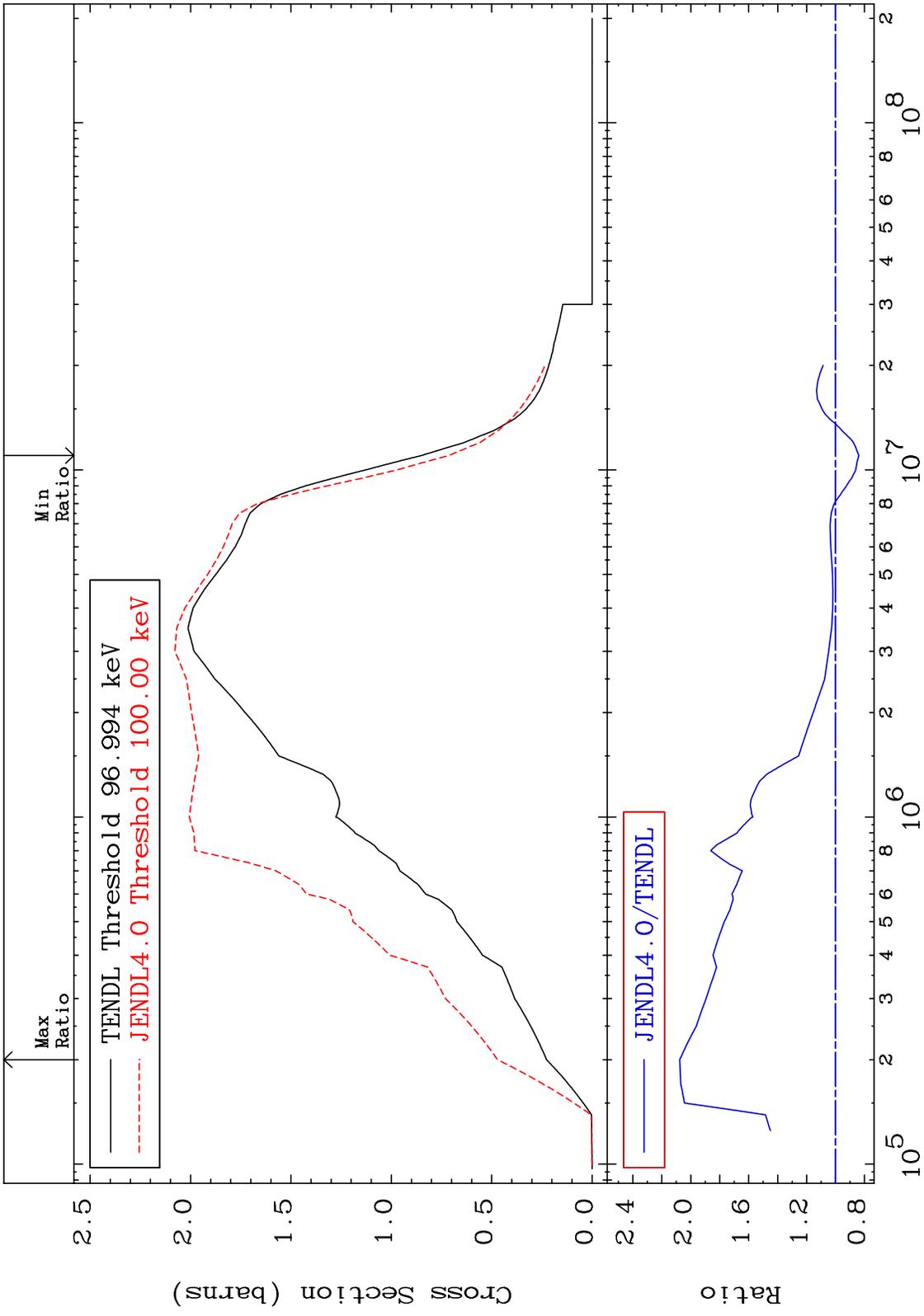
1

MAT 3440 Elastic Cross Section 34-Se-79 -98.77 To 4596. %



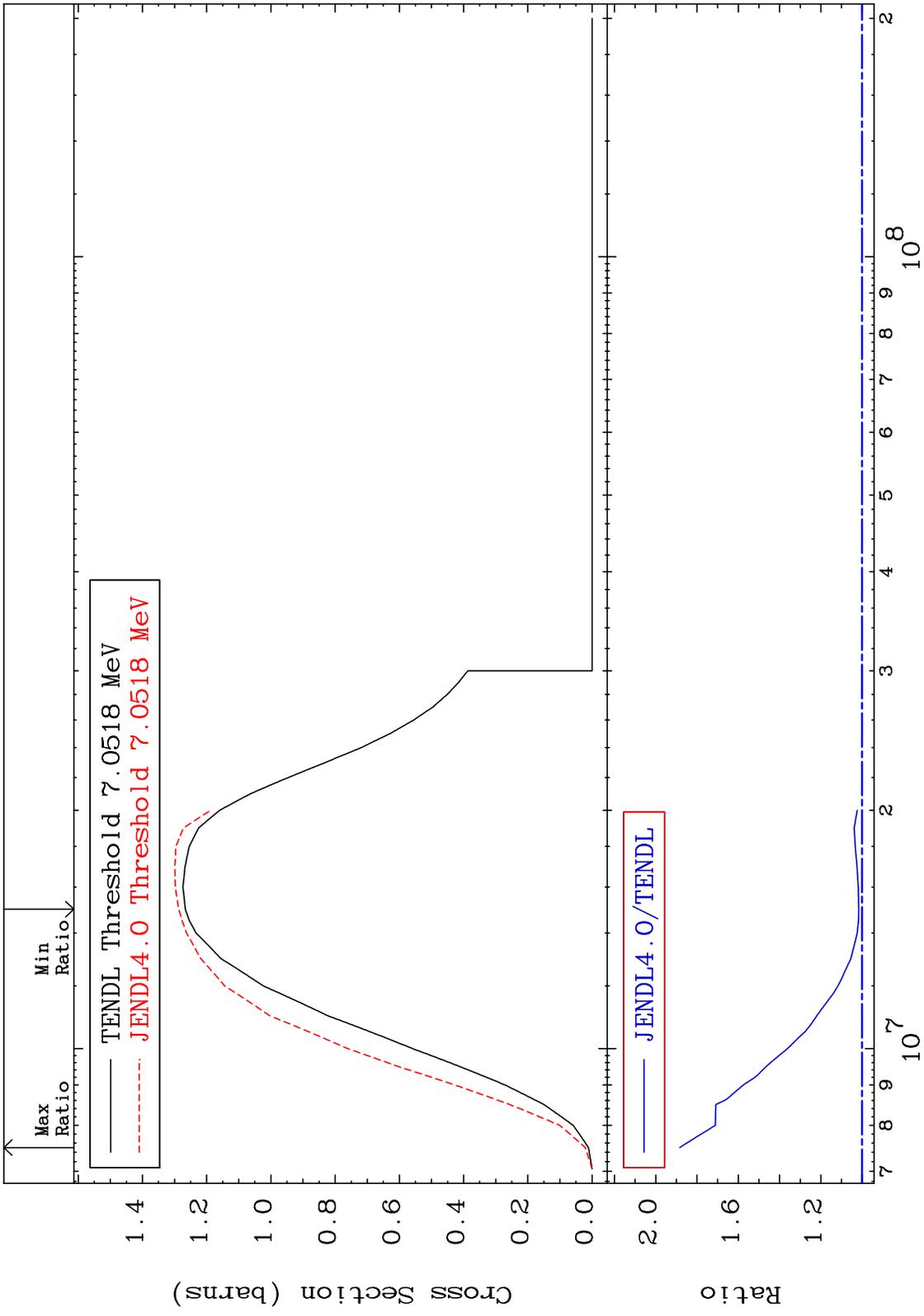
2 34-Se-79

MAT 3440 Inelastic Cross Section 34-Se-79 -16.03 To 107.6 %

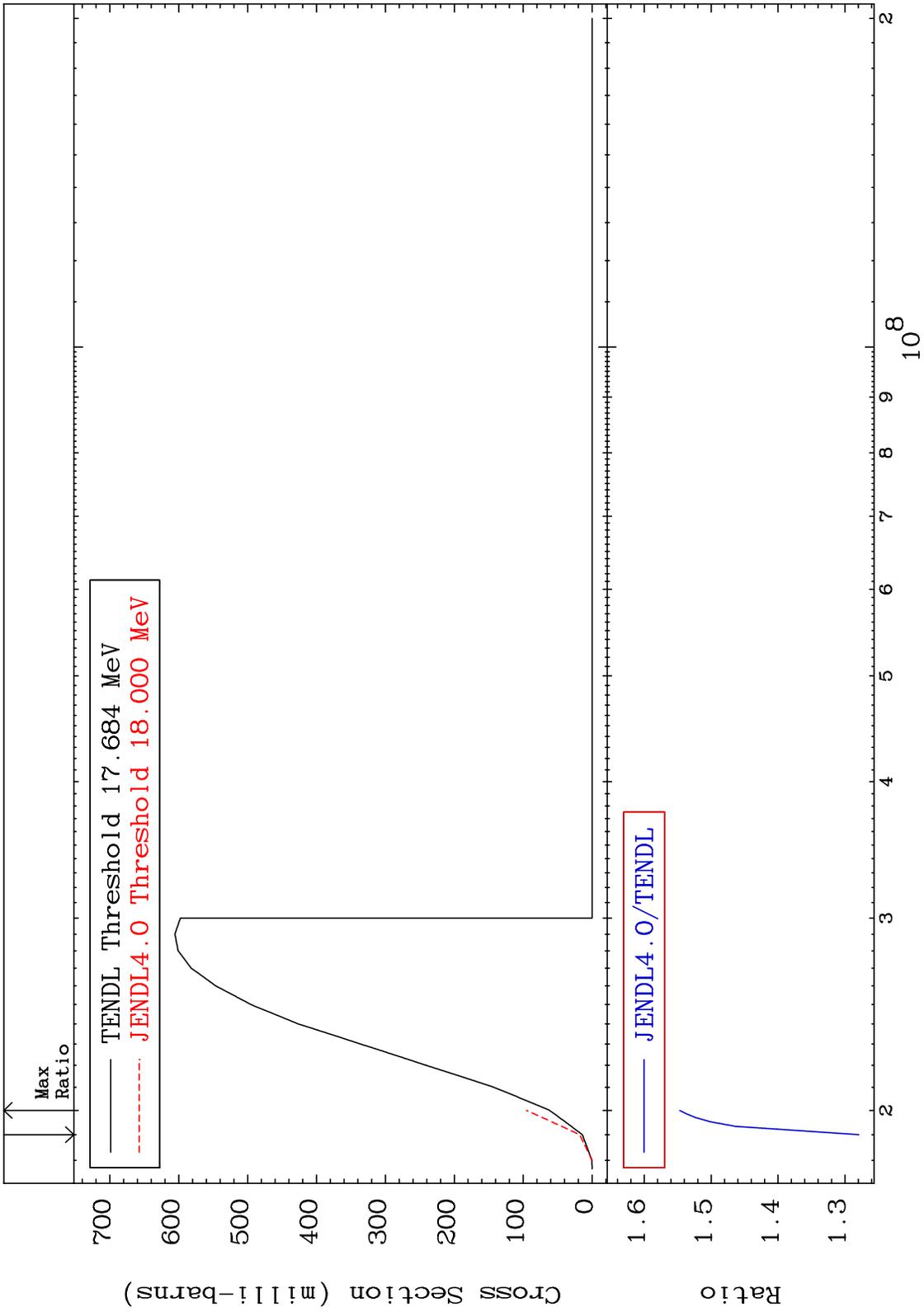


34-Se-79

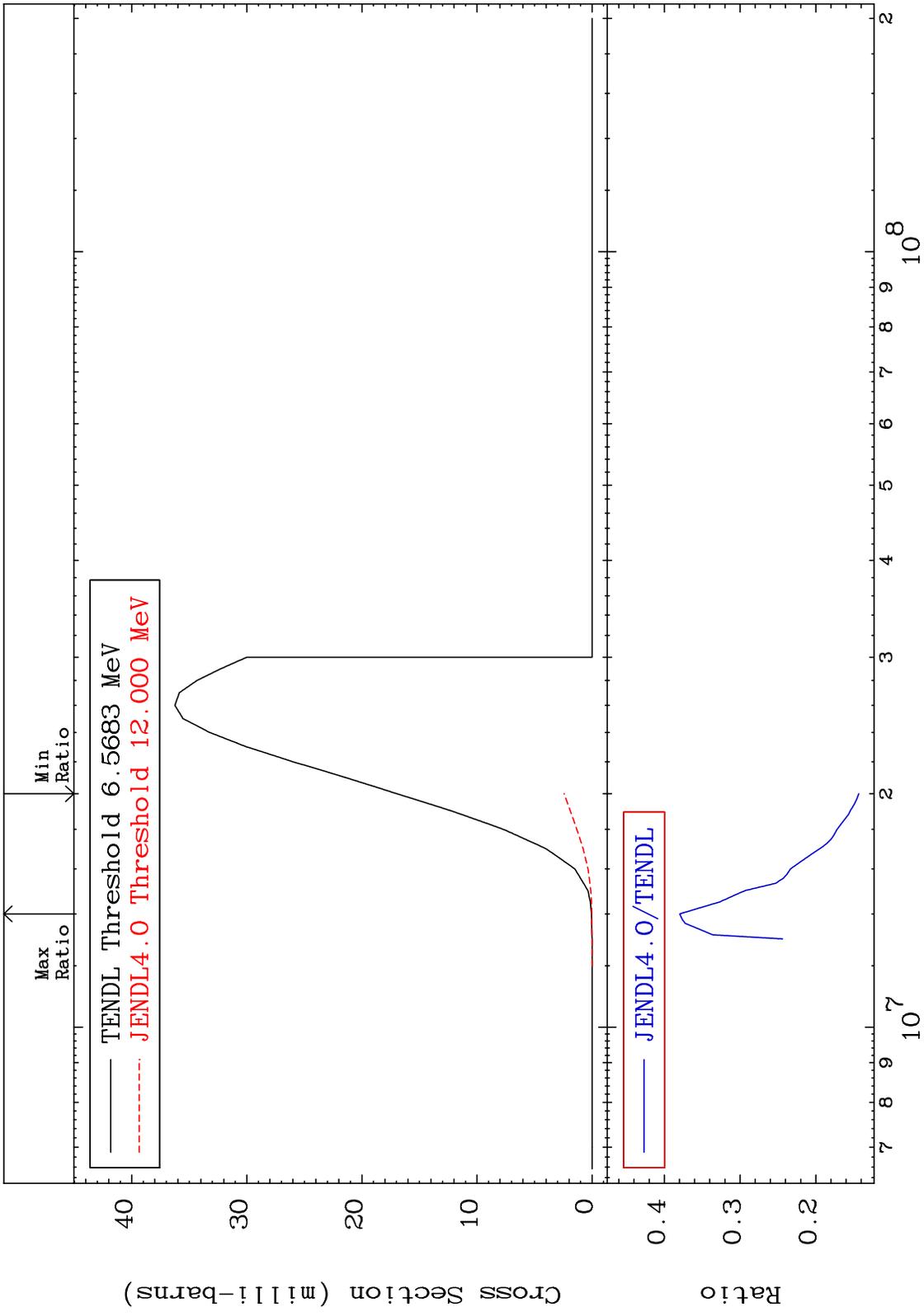
MAT 3440 34-Se-79
 (n,2n) 1.610 To 88.36 %
 Cross Section



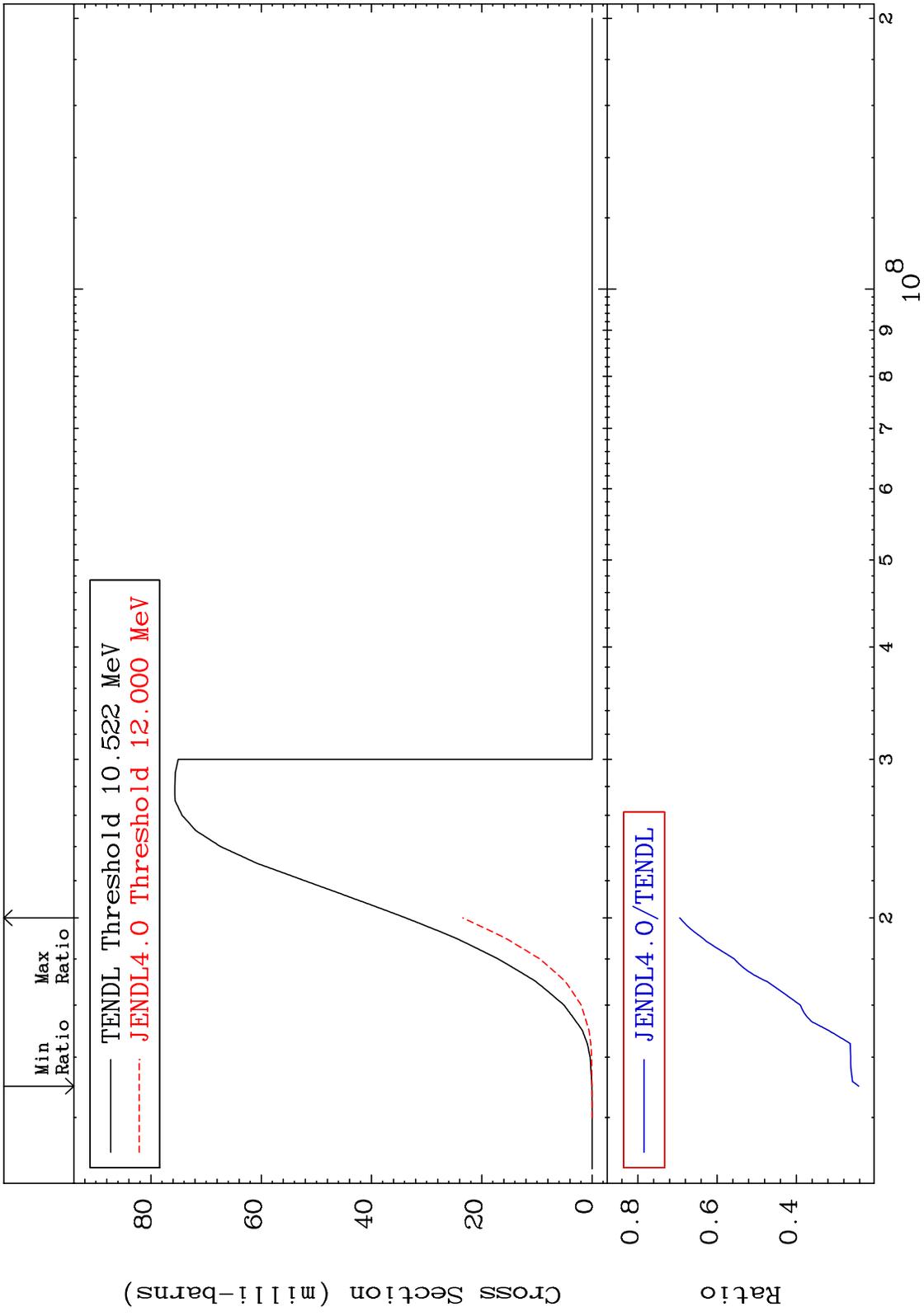
MAT 3440 (n,3n) Cross Section 34-Se-79 27.92 To 54.69 %

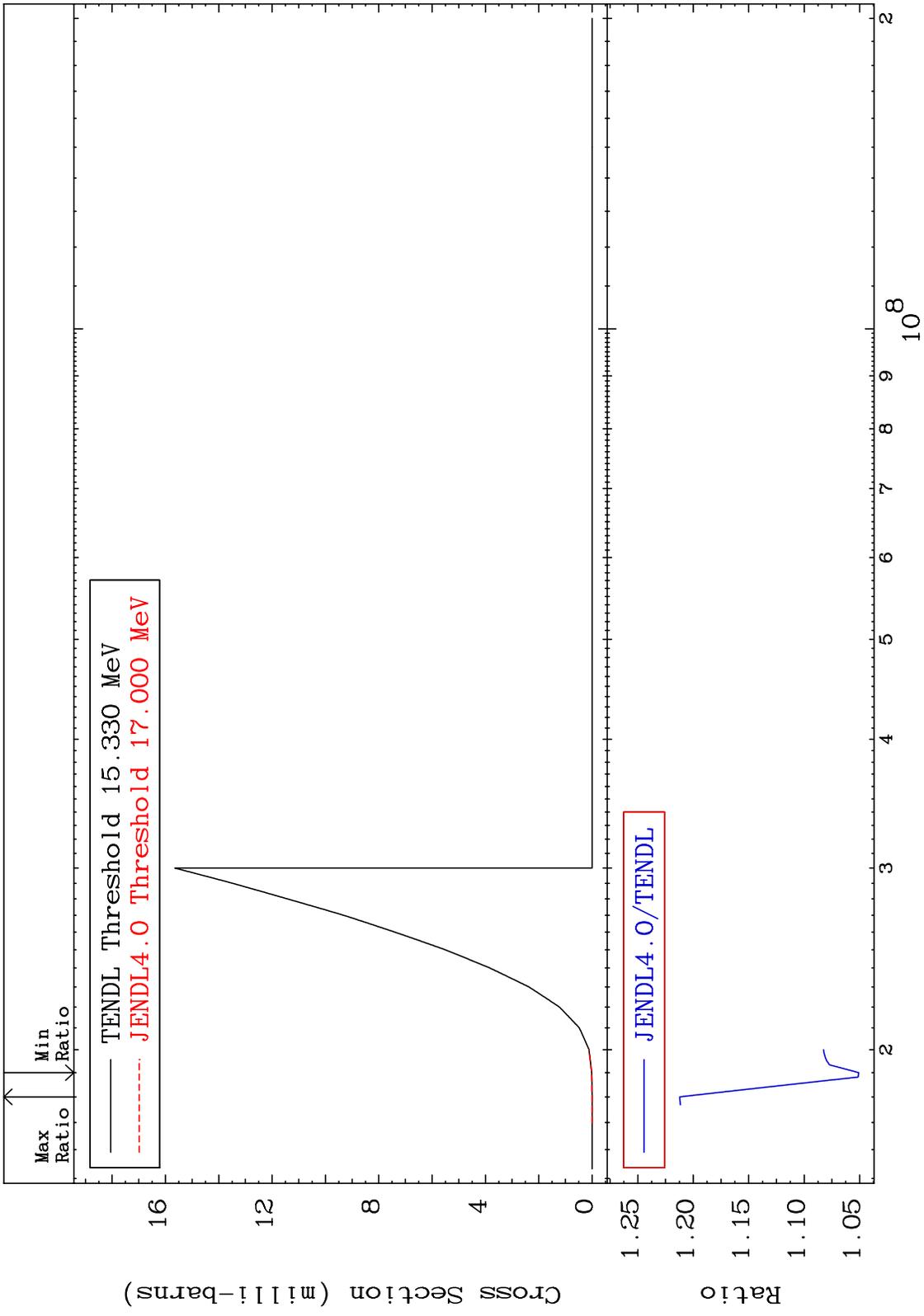


MAT 3440 $(n, n') \alpha$ $^{34}\text{Se-79}$
 Cross Section $-85.68 \text{ To } -62.04\%$

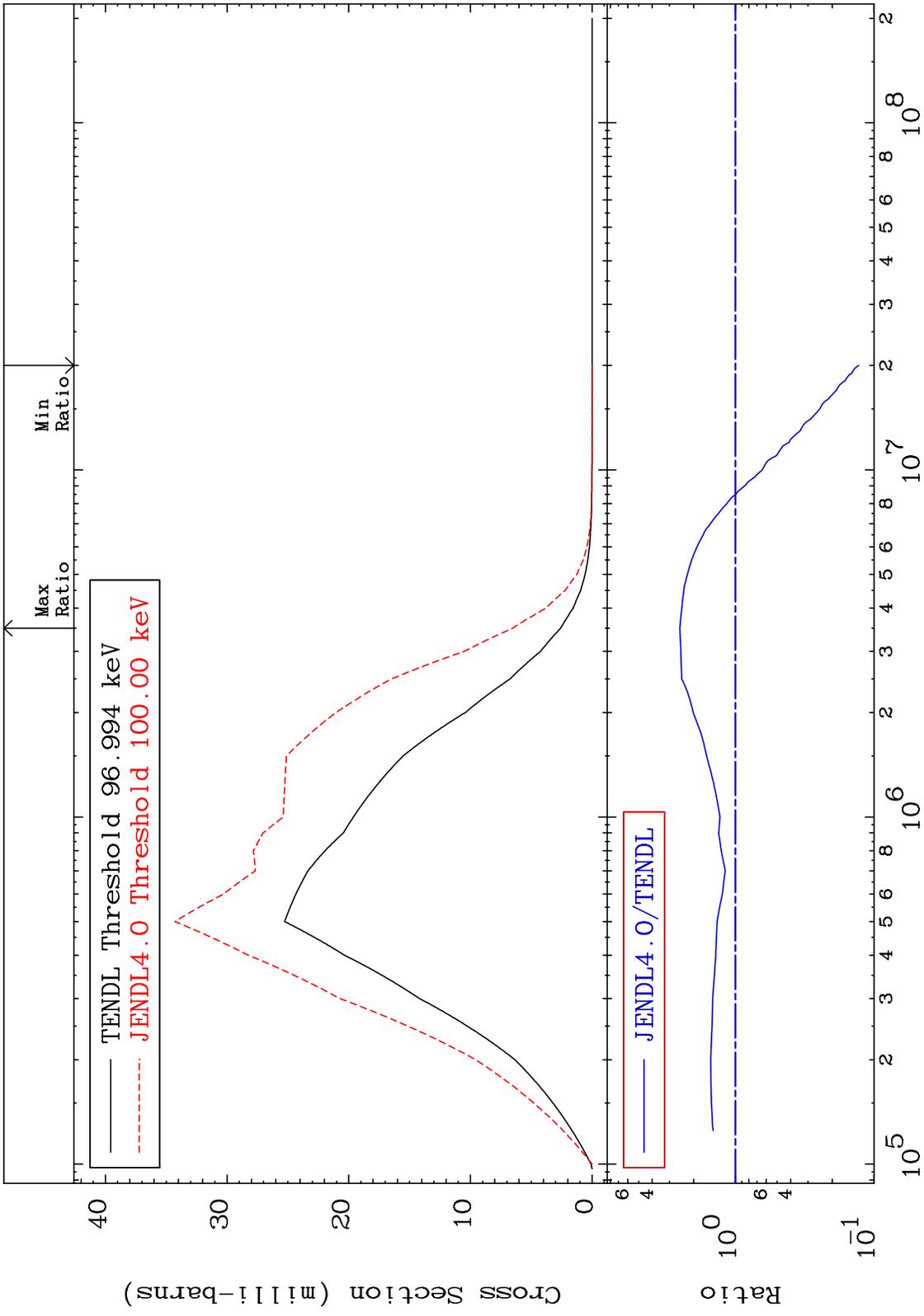


MAT 3440 (n, n') p $^{34}\text{Se-79}$
 Cross Section -75.78 To -30.58%



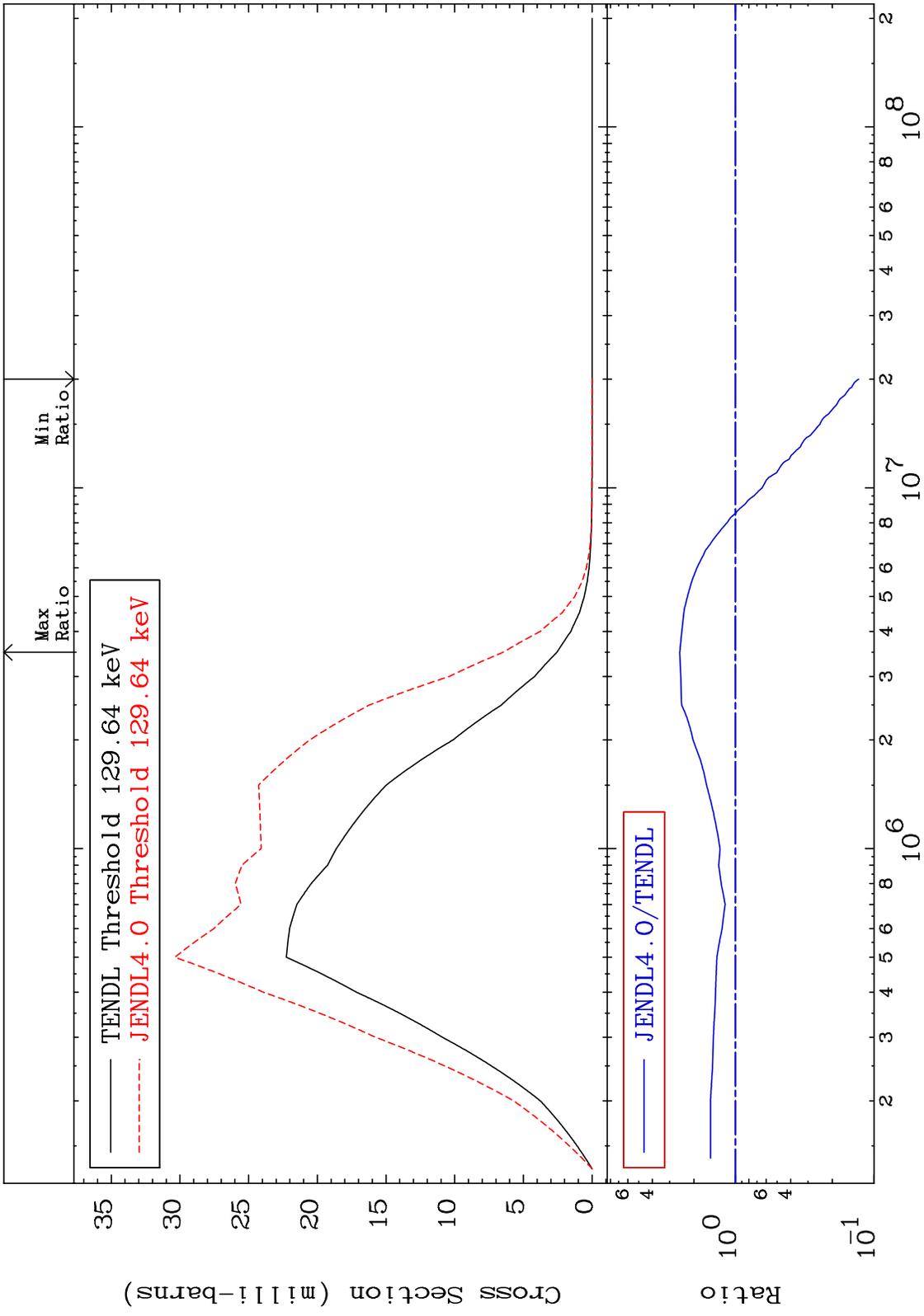


MAT 3440 MT= 51 (n,n') Level Cross Section -87.14 To 152.6 % 34-Se-79

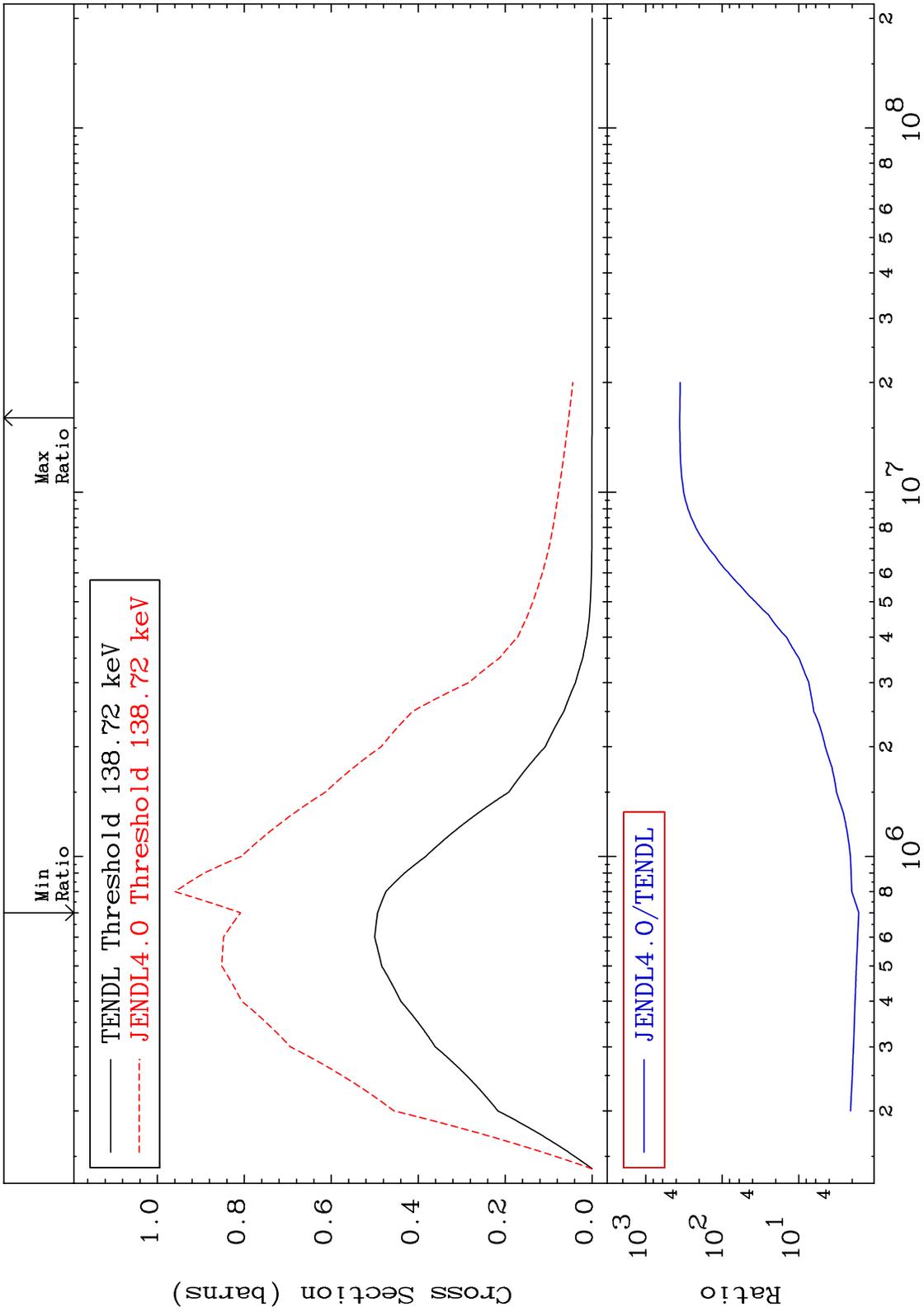


34-Se-79

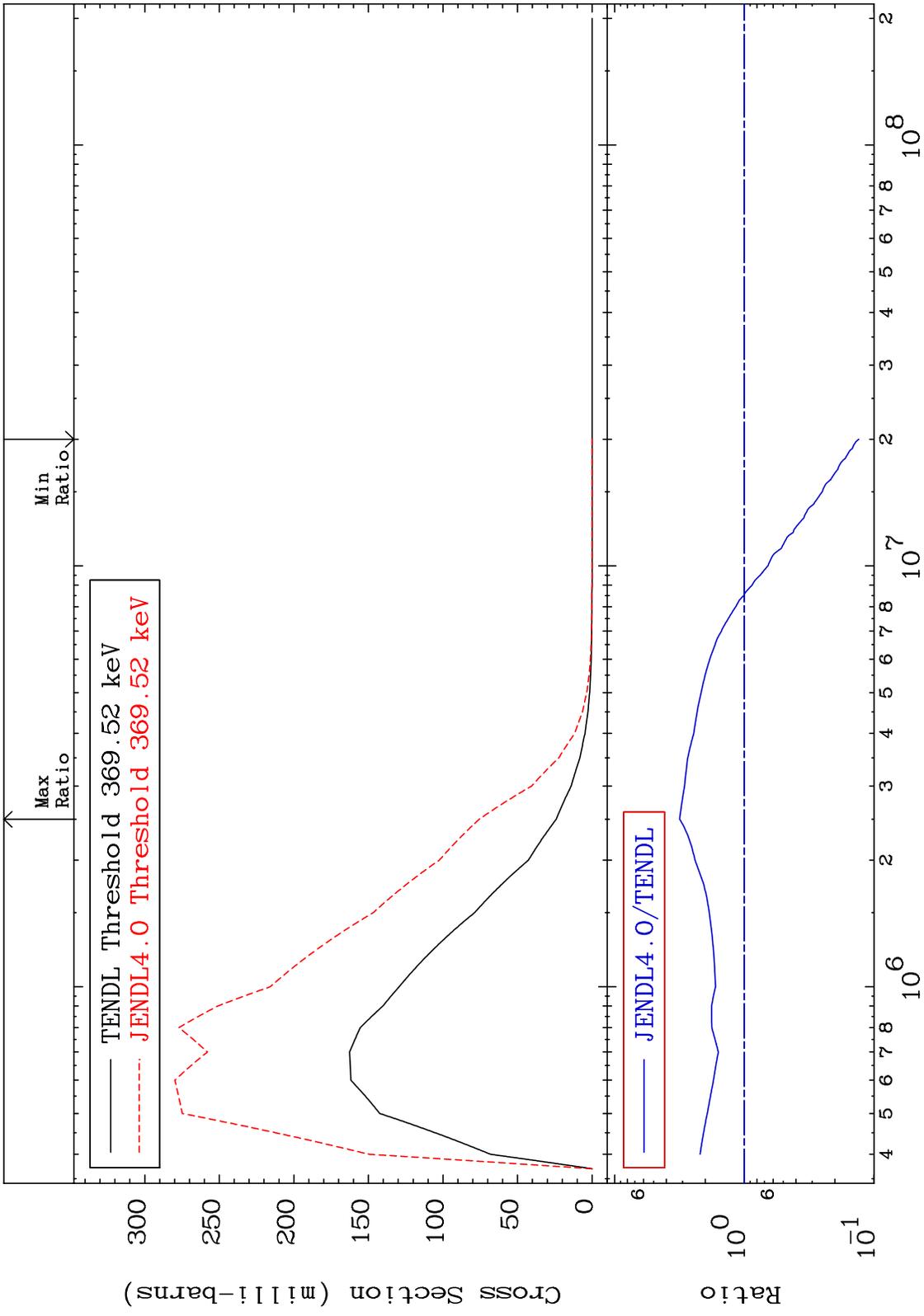
MAT 3440 MT= 52 (n,n') Level Cross Section -87.14 To 153.0 % 34-Se-79



MAT 3440 MT= 53 (n,n') Level Cross Section 34-Se-79 63.86 To 9999. %

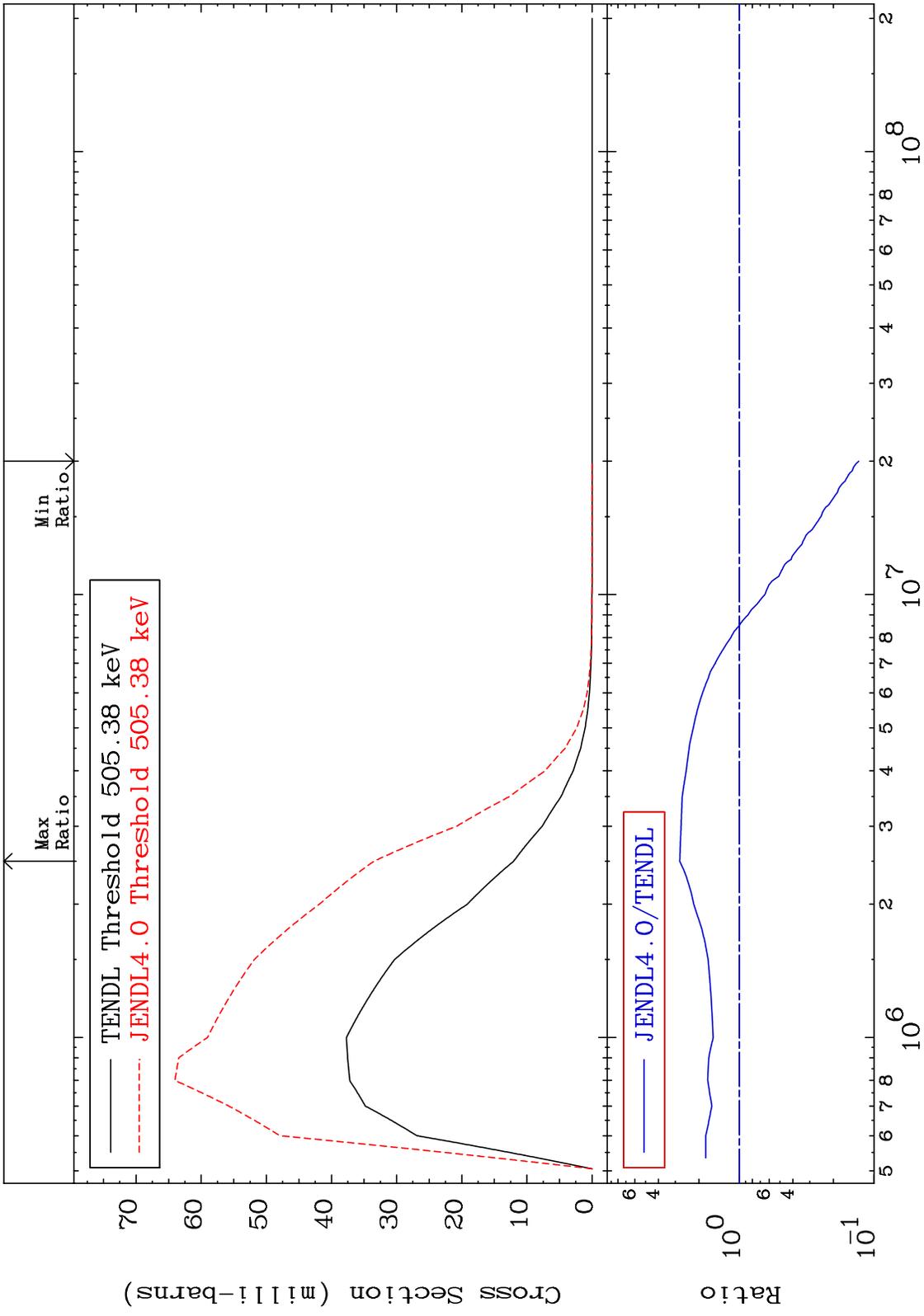


MAT 3440 MT= 54 (n,n') Level Cross Section -86.92 To 214.9 % 34-Se-79

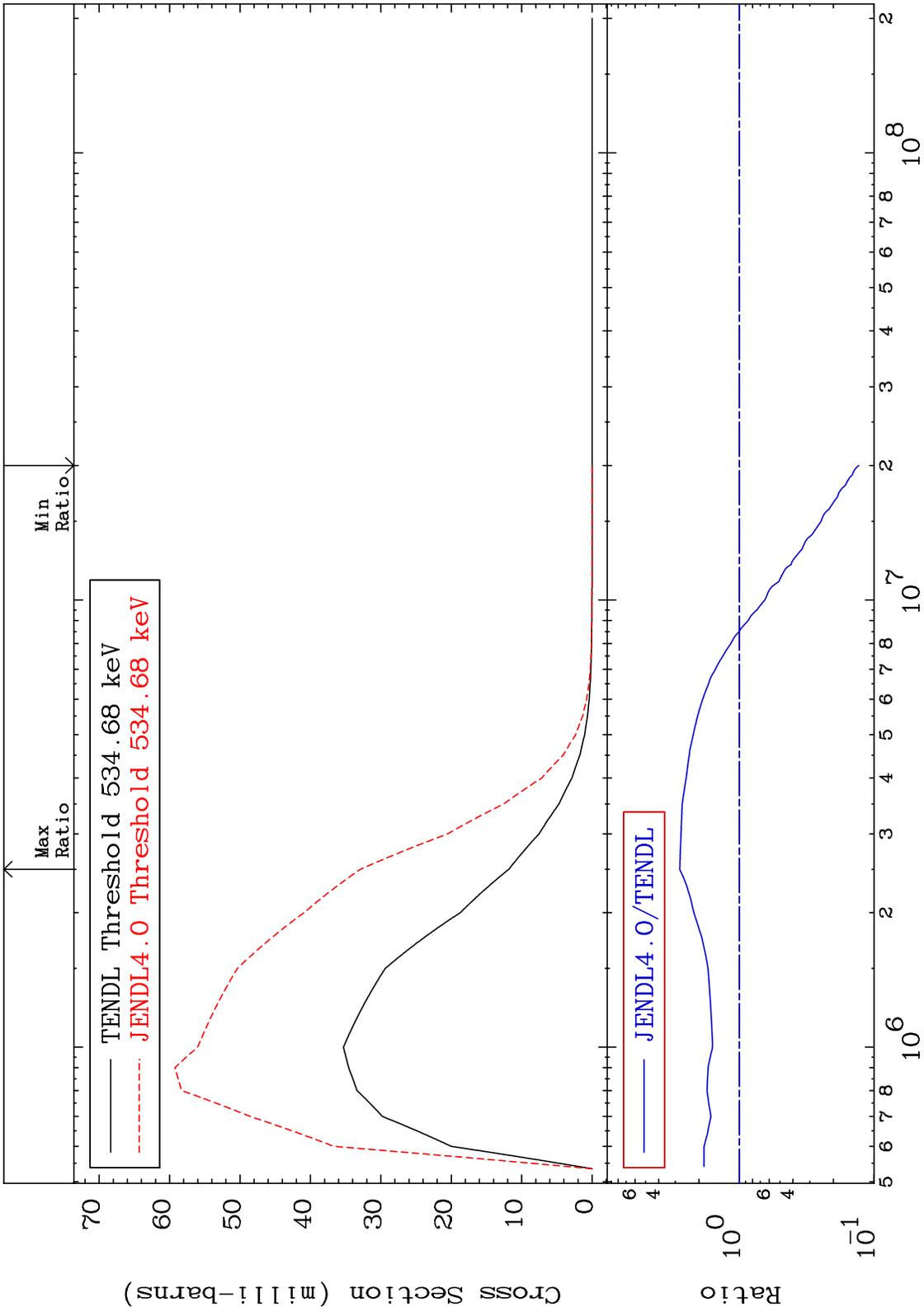


12 34-Se-79

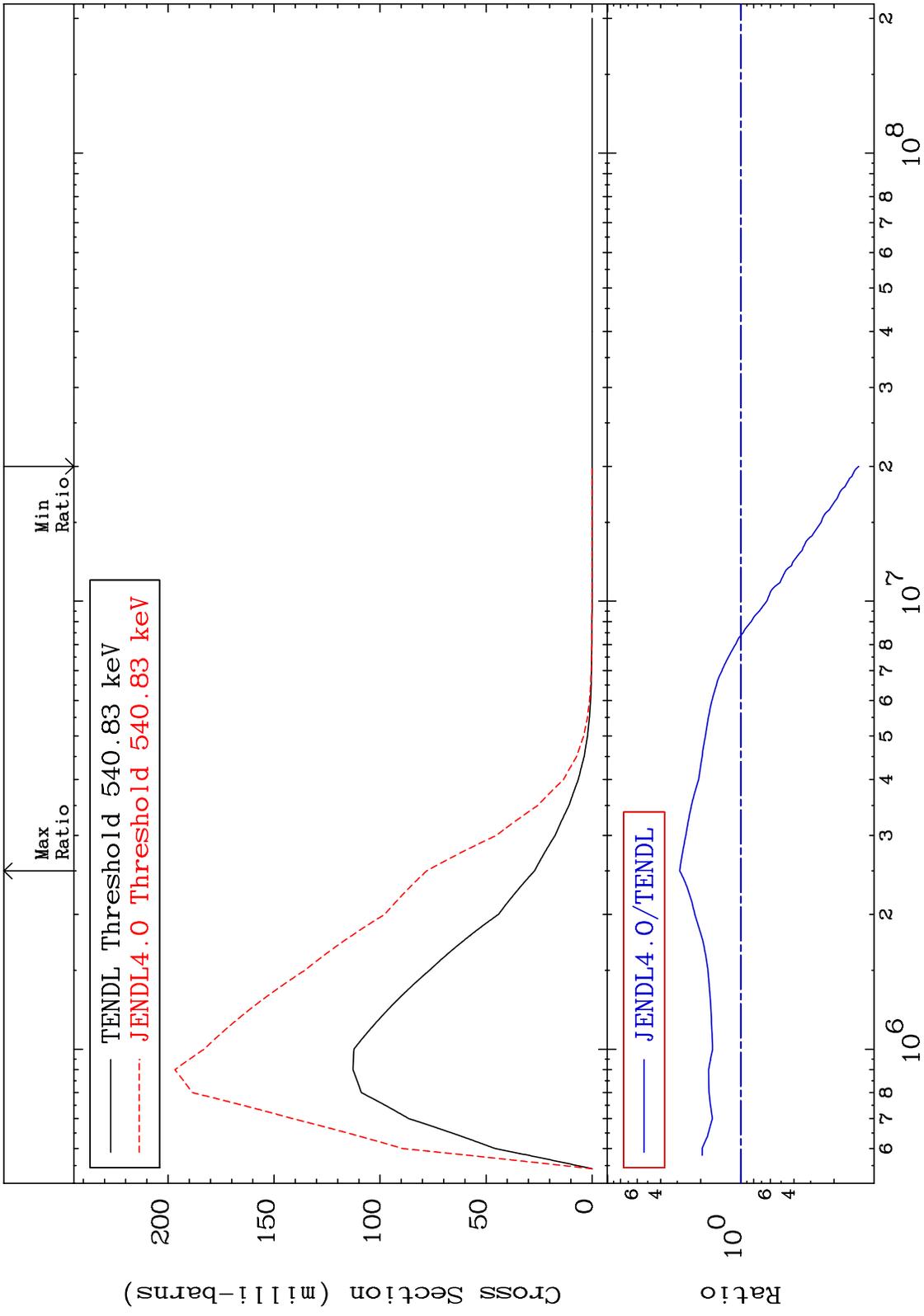
MAT 3440 MT= 55 (n,n') Level Cross Section -87.07 To 177.9 % 34-Se-79



MAT 3440 MT= 56 (n,n') Level Cross Section -87.07 To 178.4 % 34-Se-79

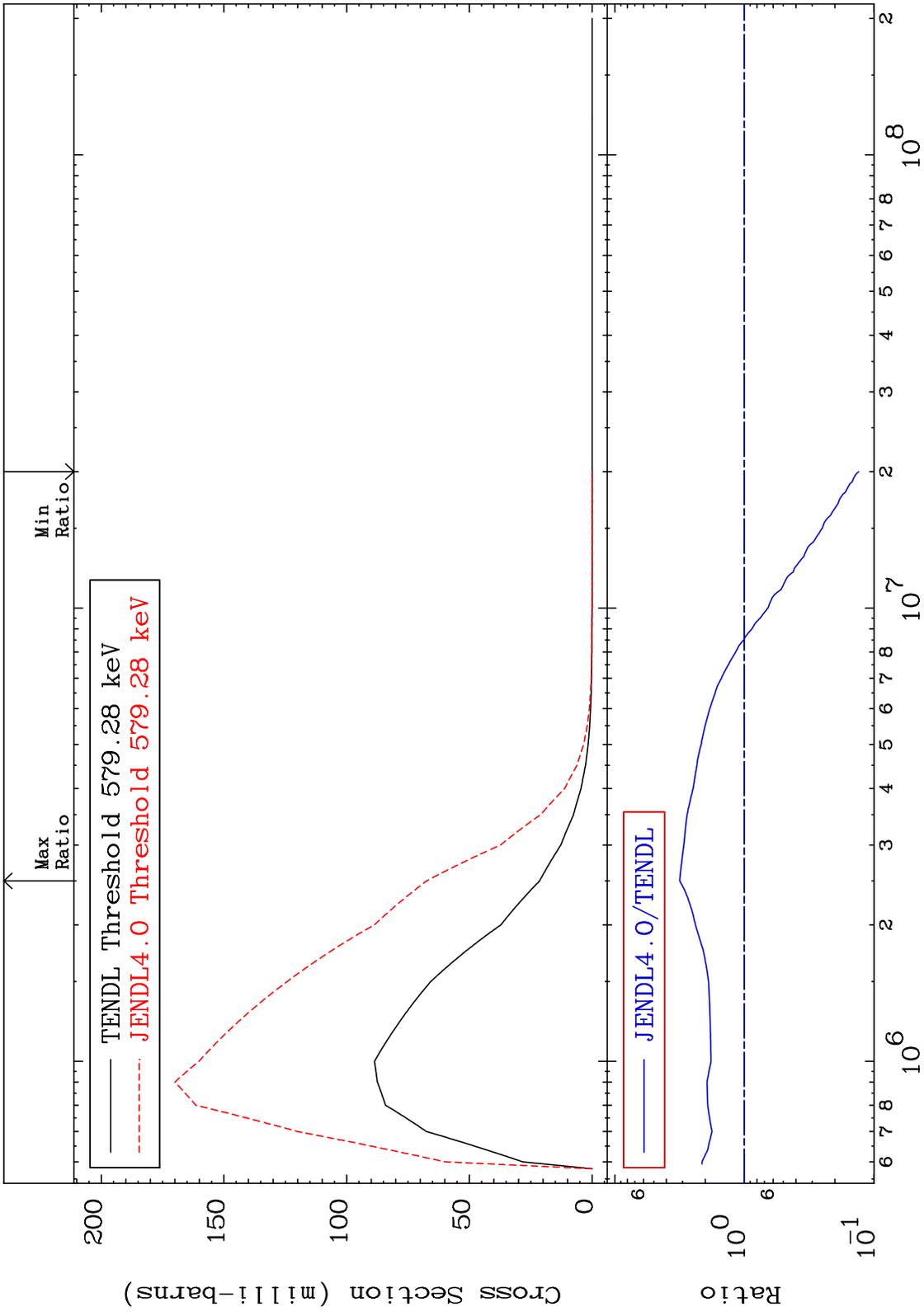


MAT 3440 MT= 57 (n,n') Level Cross Section 34-Se-79
 -86.98 To 187.3 %



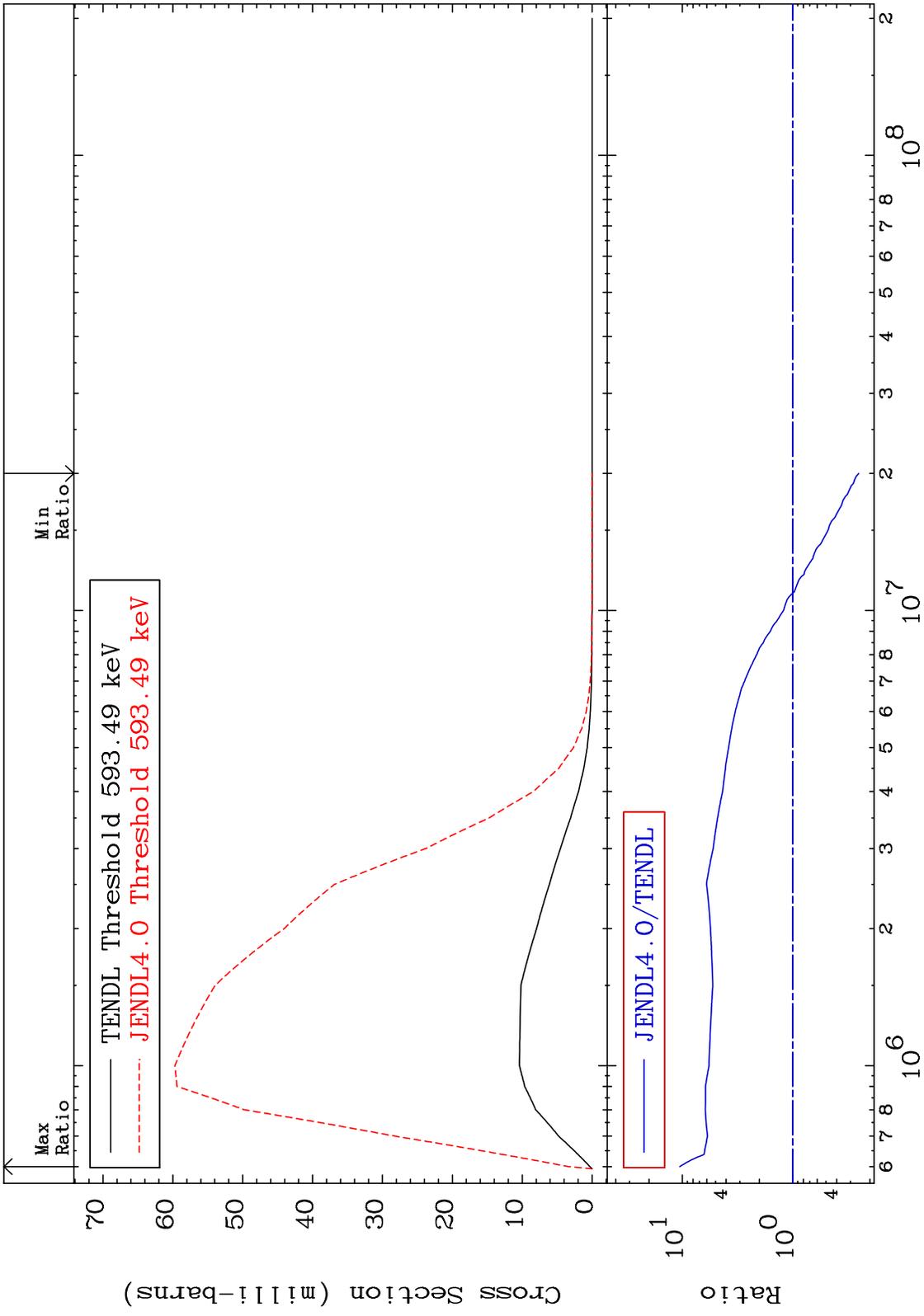
15 34-Se-79

MAT 3440 MT= 58 (n,n') Level Cross Section 34-Se-79
 -86.93 To 215.4 %



16 34-Se-79

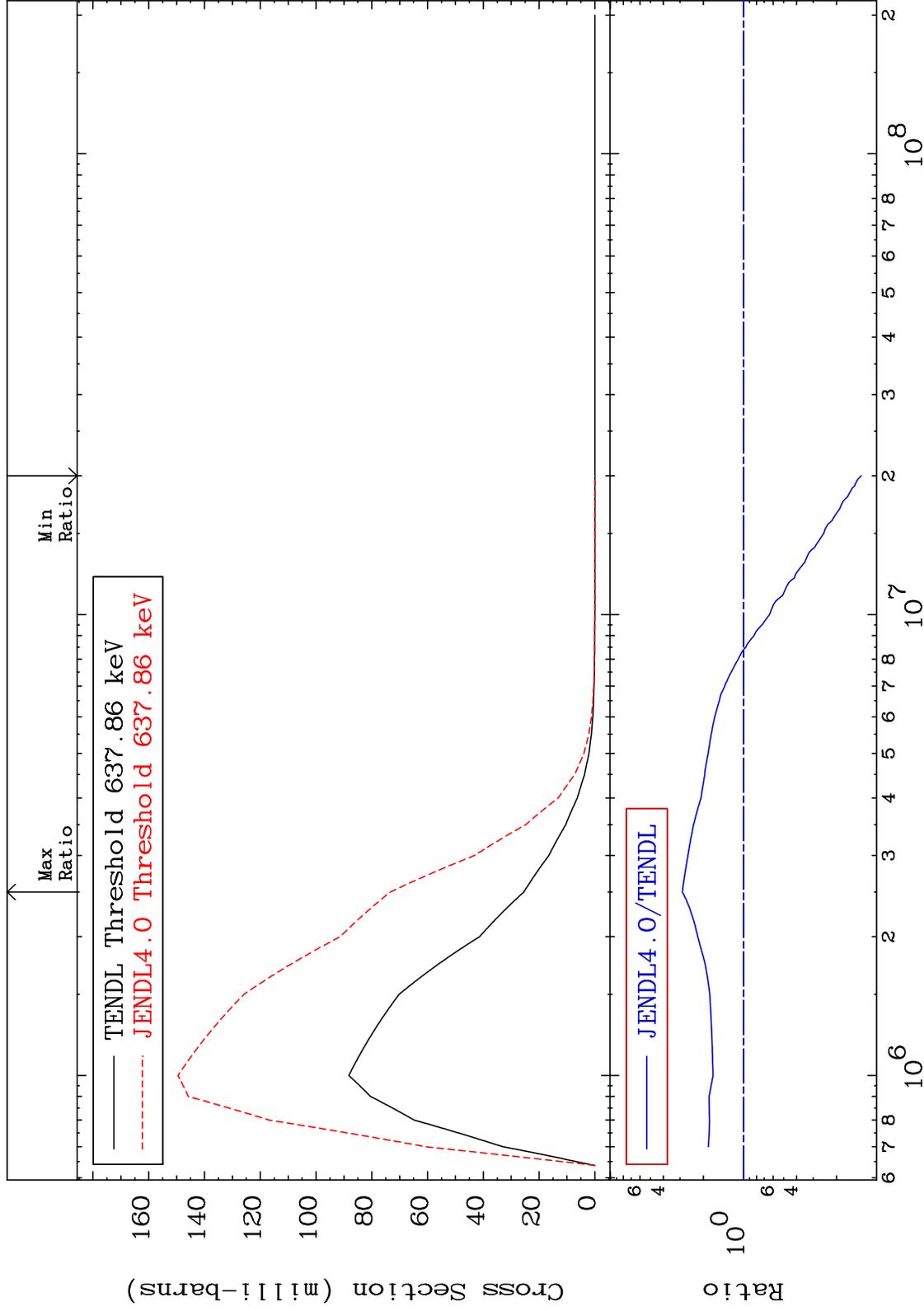
MAT 3440 MT= 59 (n,n') Level Cross Section 34-Se-79
 -74.83 To 953.8 %



MAT 3440

MT= 60 (n,n') Level
Cross Section

34-Se-79
-86.98 To 187.8 %

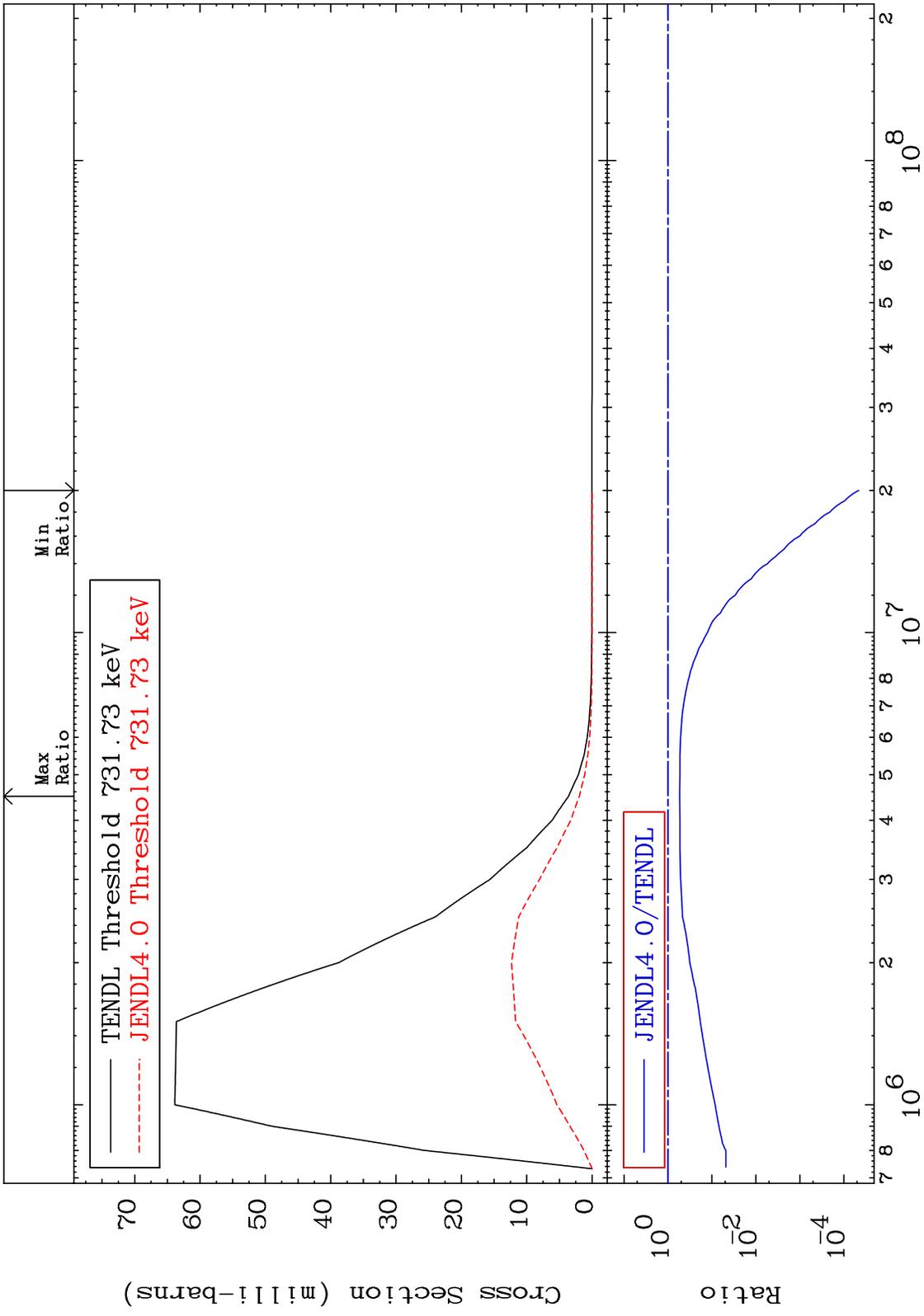


18

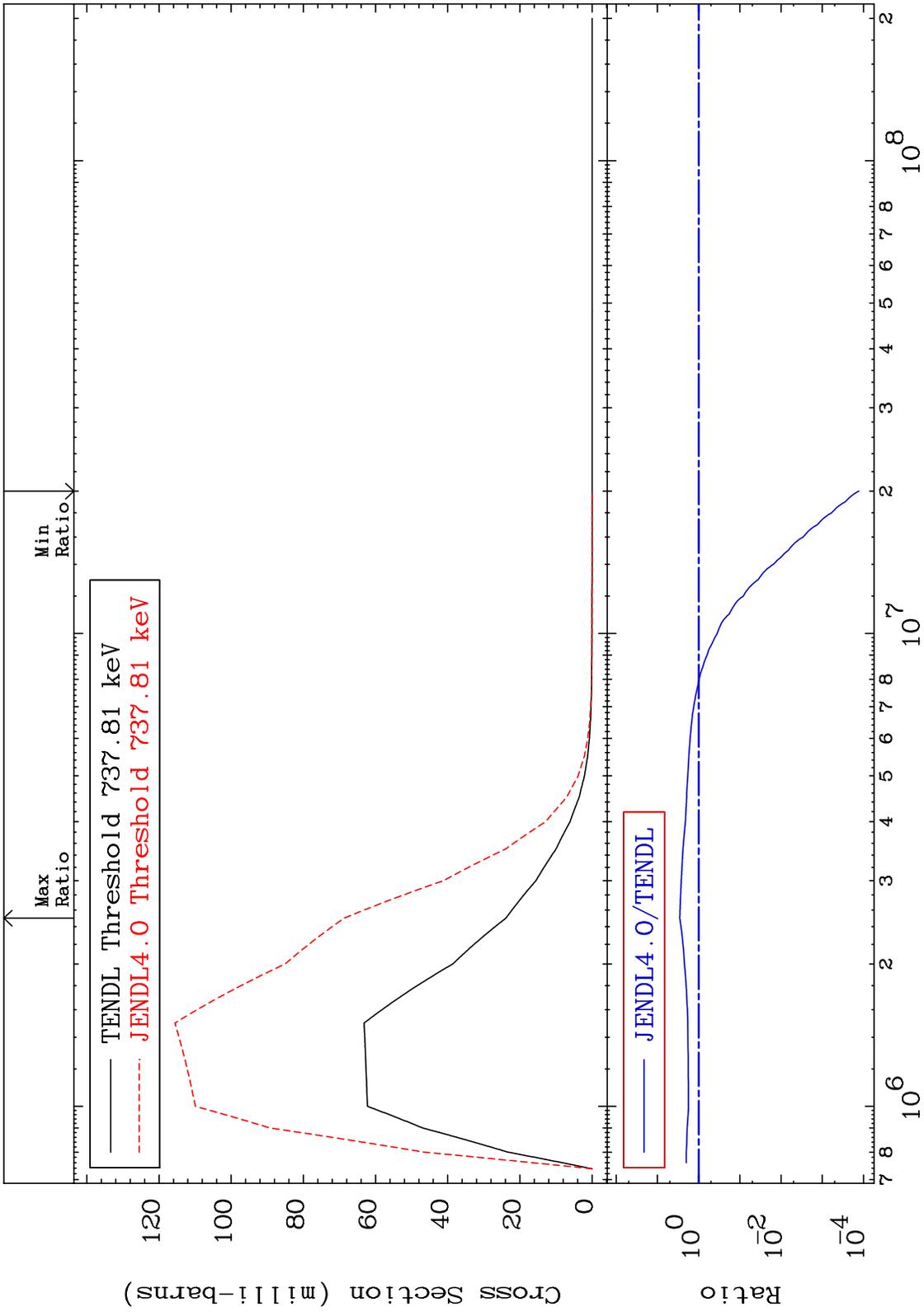
Incident Energy (eV)

34-Se-79

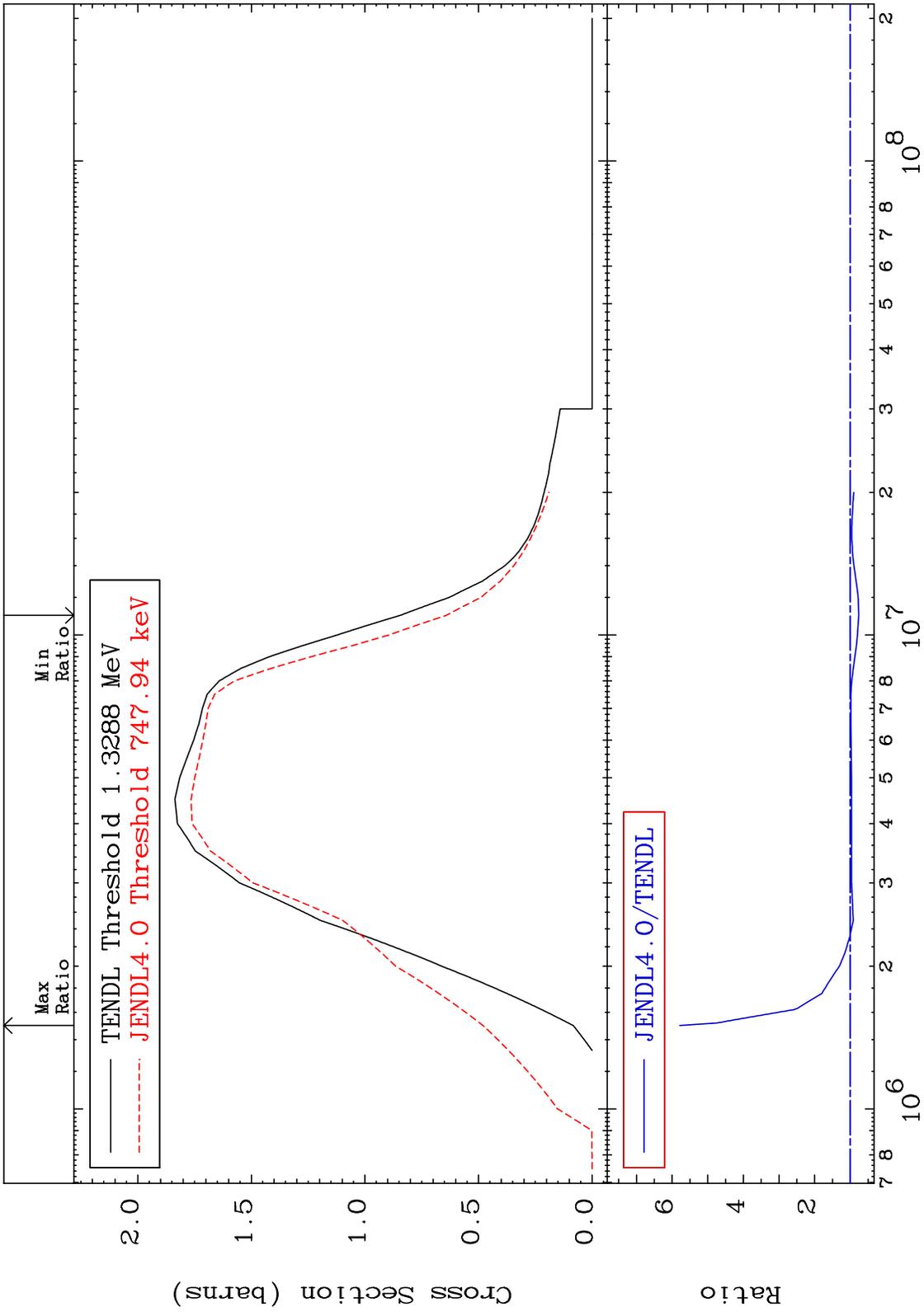
MAT 3440 MT= 61 (n,n') Level Cross Section 34-Se-79
 -100.0 To -46.03%



MAT 3440 MT= 62 (n,n') Level Cross Section 34-Se-79
 -99.99 To 187.7 %



MAT 3440 (n,n') Continuum Cross Section 34-Se-79 -24.00 To 478.6 %



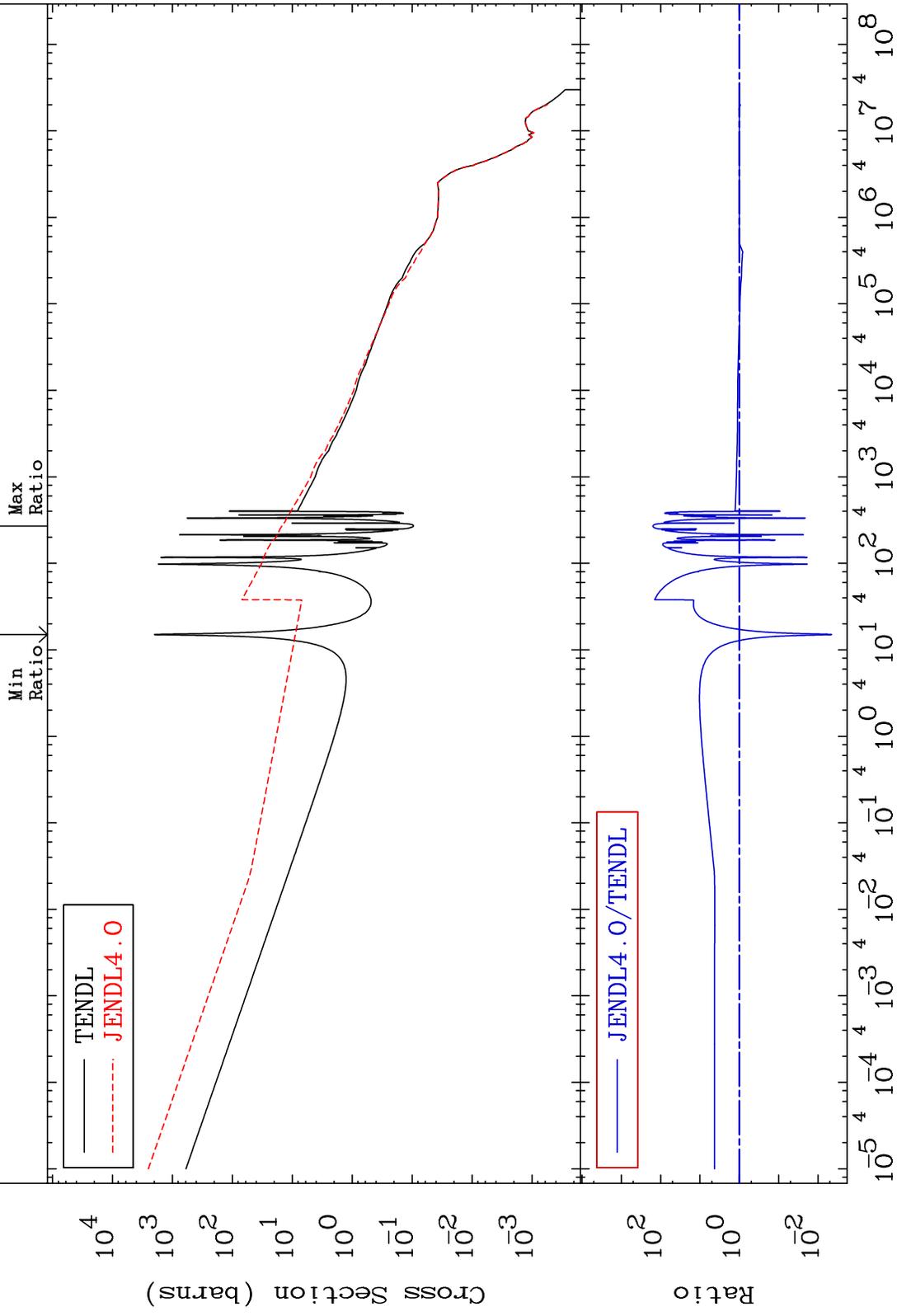
MAT 3440

34-Se-79

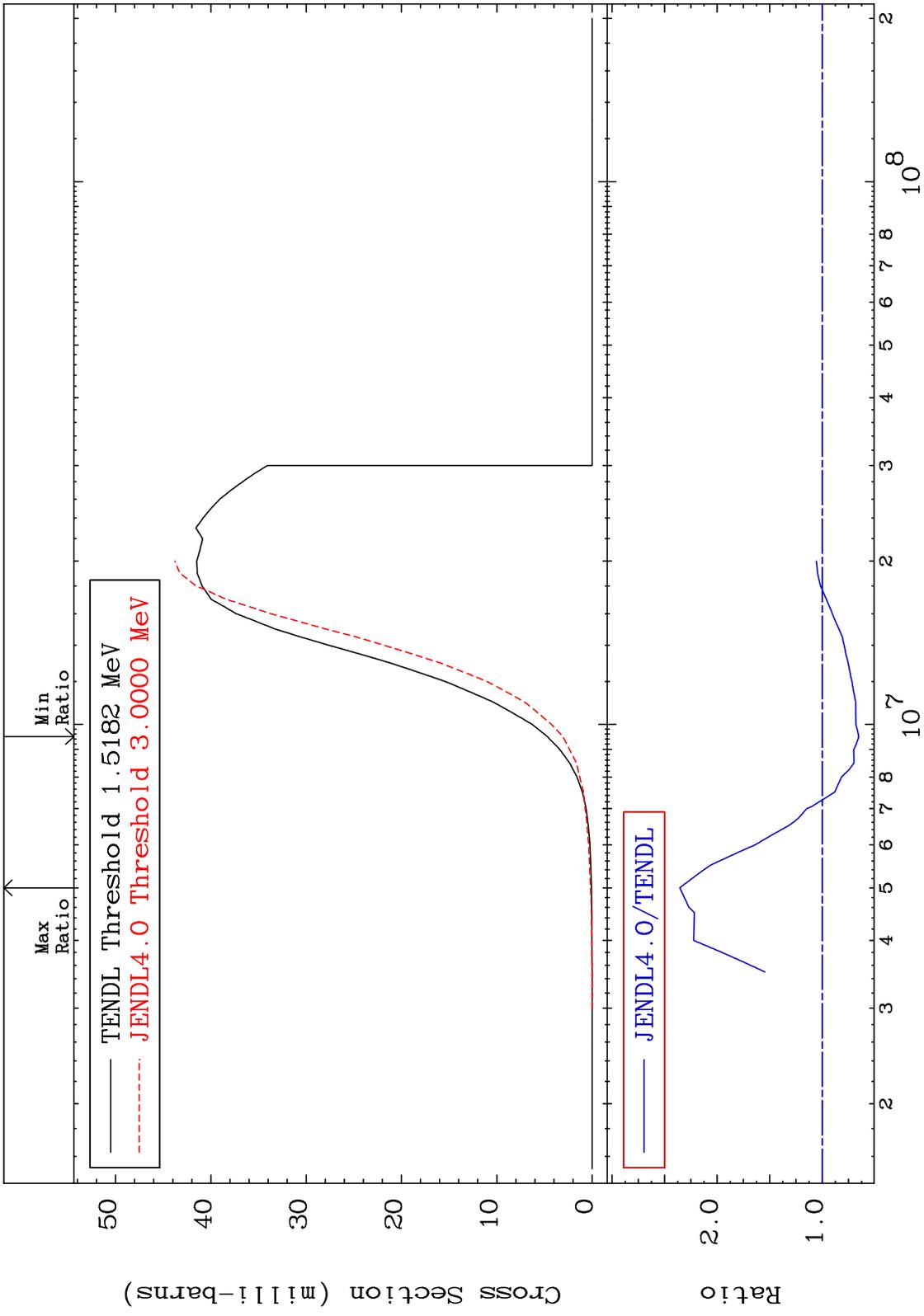
-99.55 To 9999. %

(n, γ)

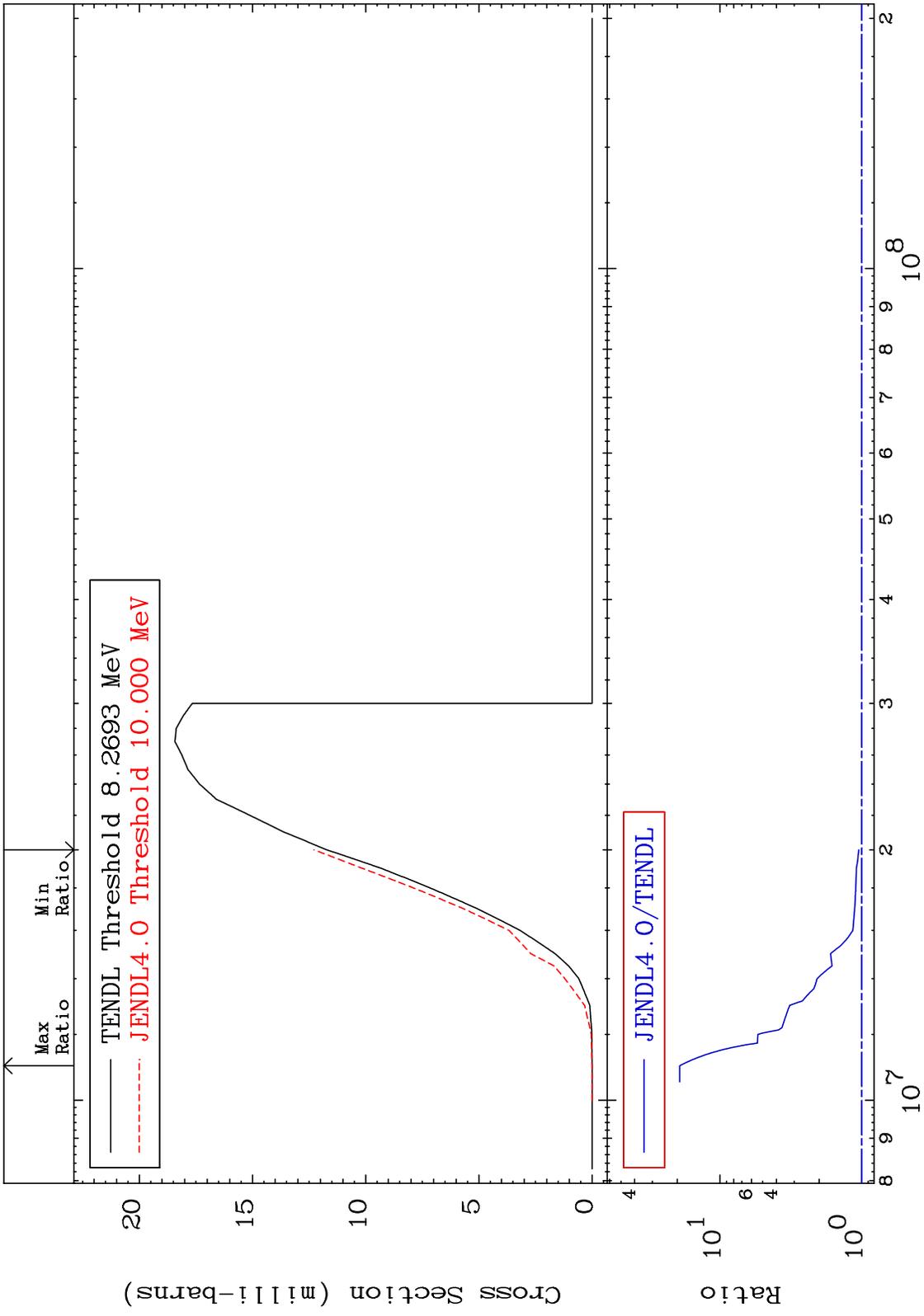
Cross Section

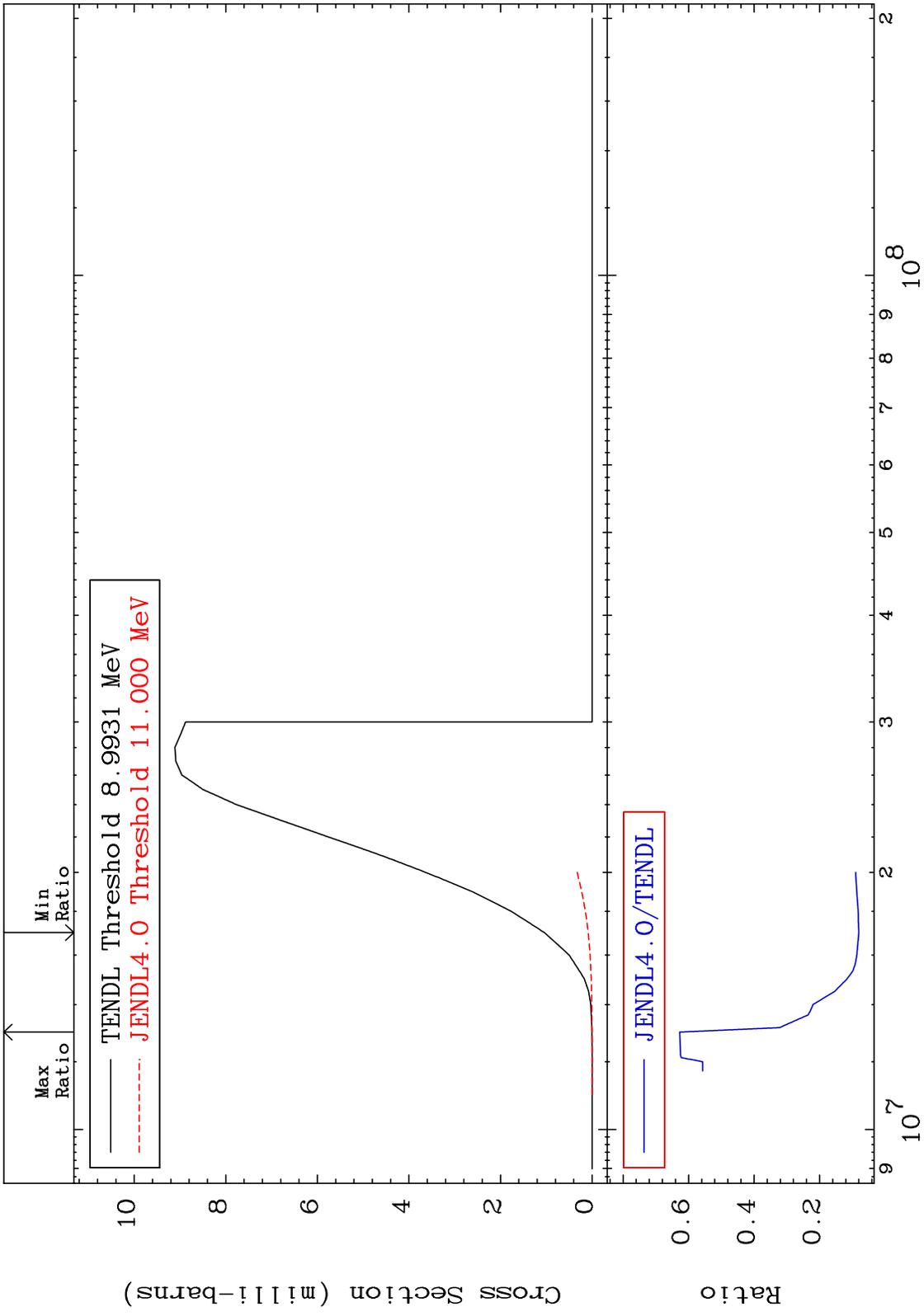


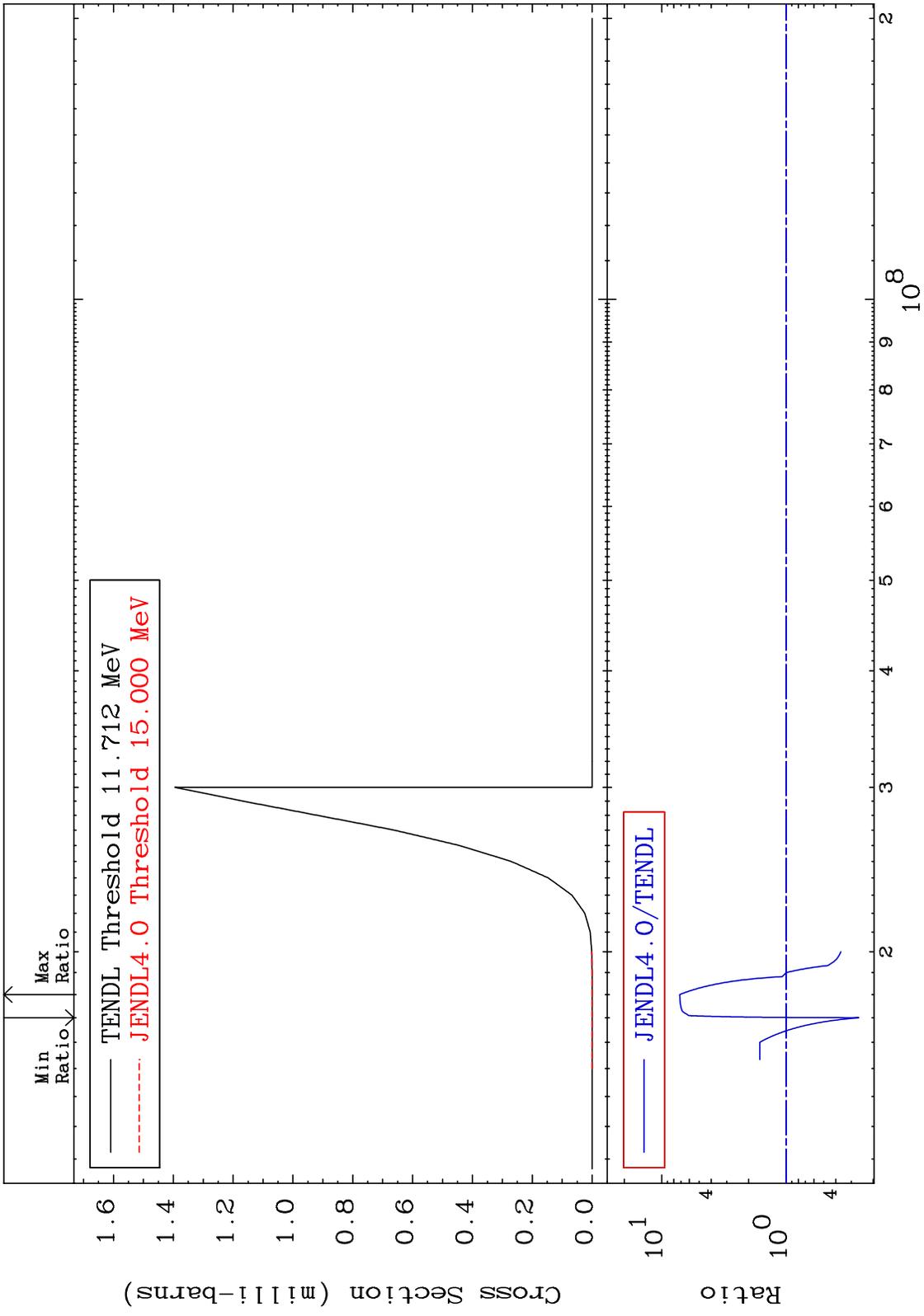
MAT 3440 (n,p) Cross Section 34-Se-79 -34.88 To 135.6 %



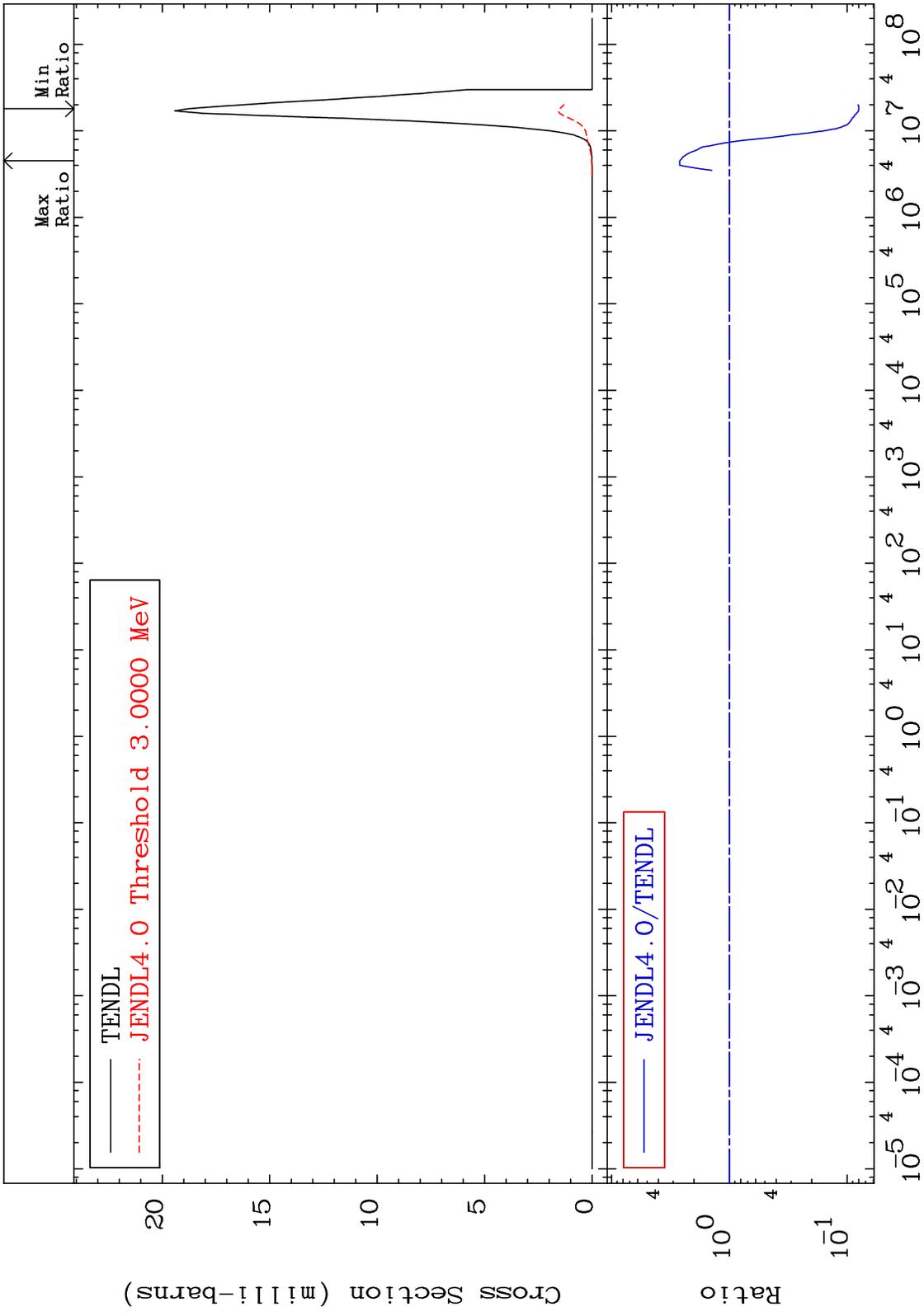
MAT 3440 (n,d) Cross Section 34-Se-79
 4.840 To 1823. %





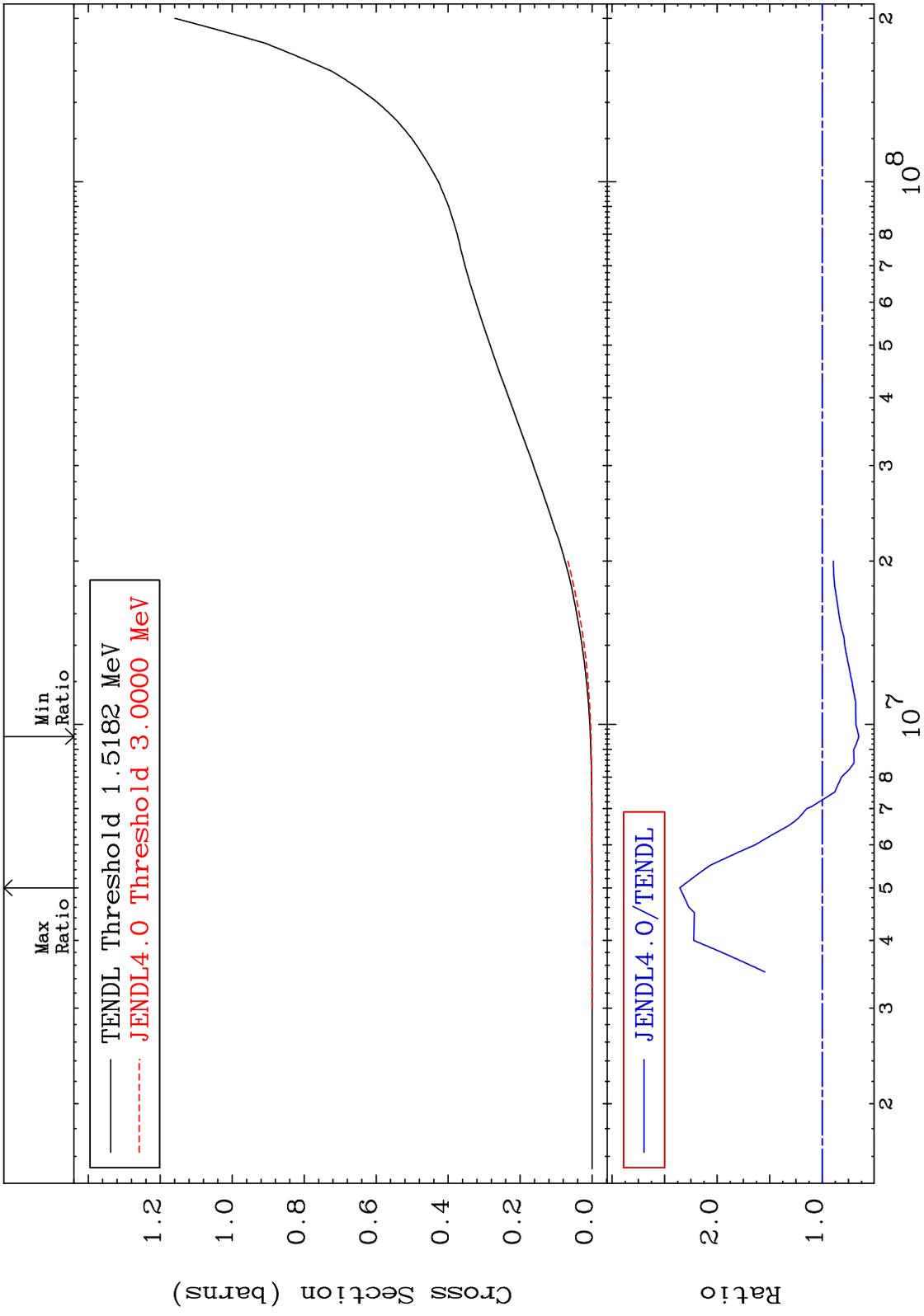


MAT 3440 (n, α) Cross Section $^{34}\text{Se-79}$
 -92.02 To 164.1 %



27 $^{34}\text{Se-79}$

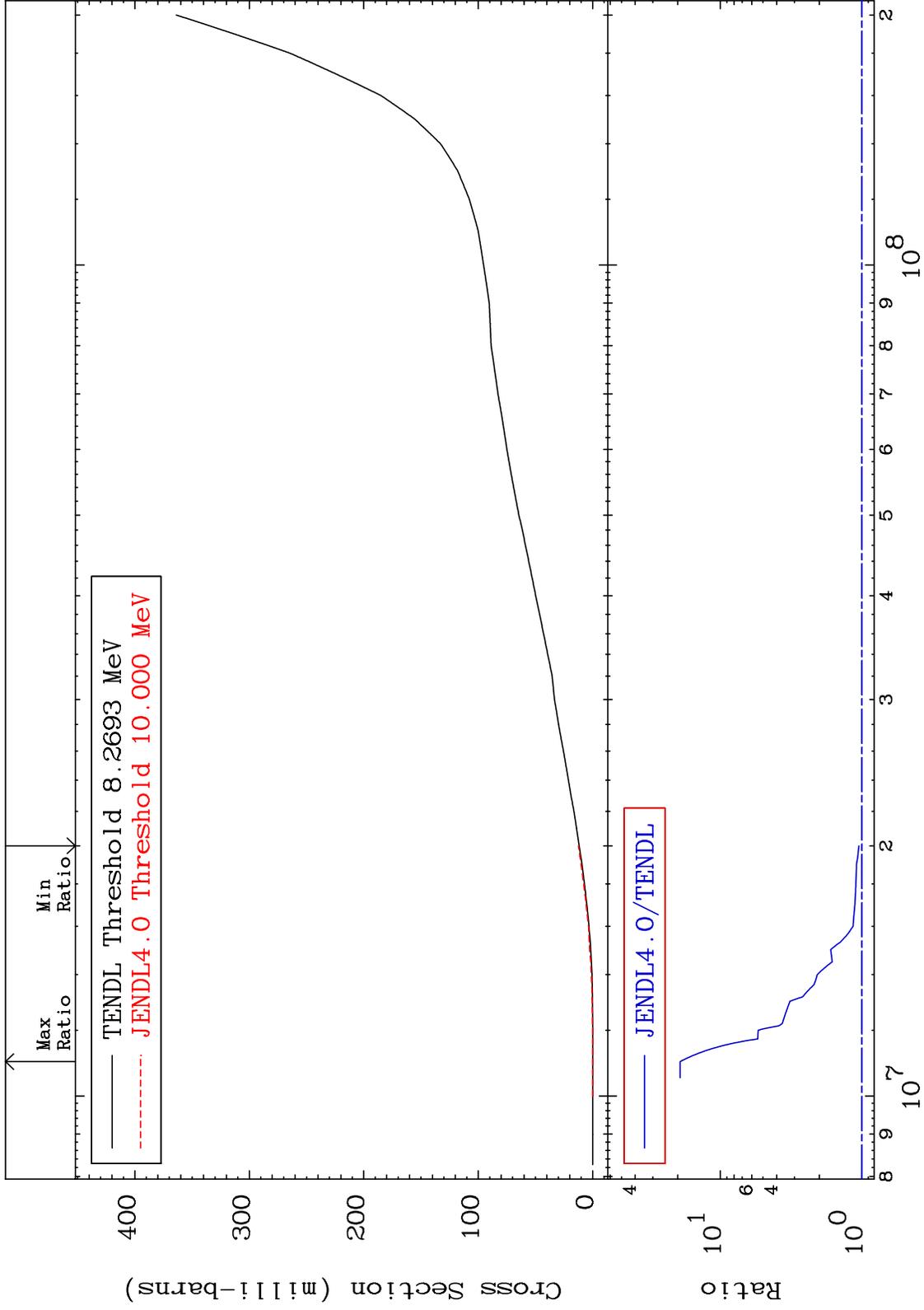
MAT 3440 Hydrogen Production Cross Section 34-Se-79 -34.88 To 135.6 %



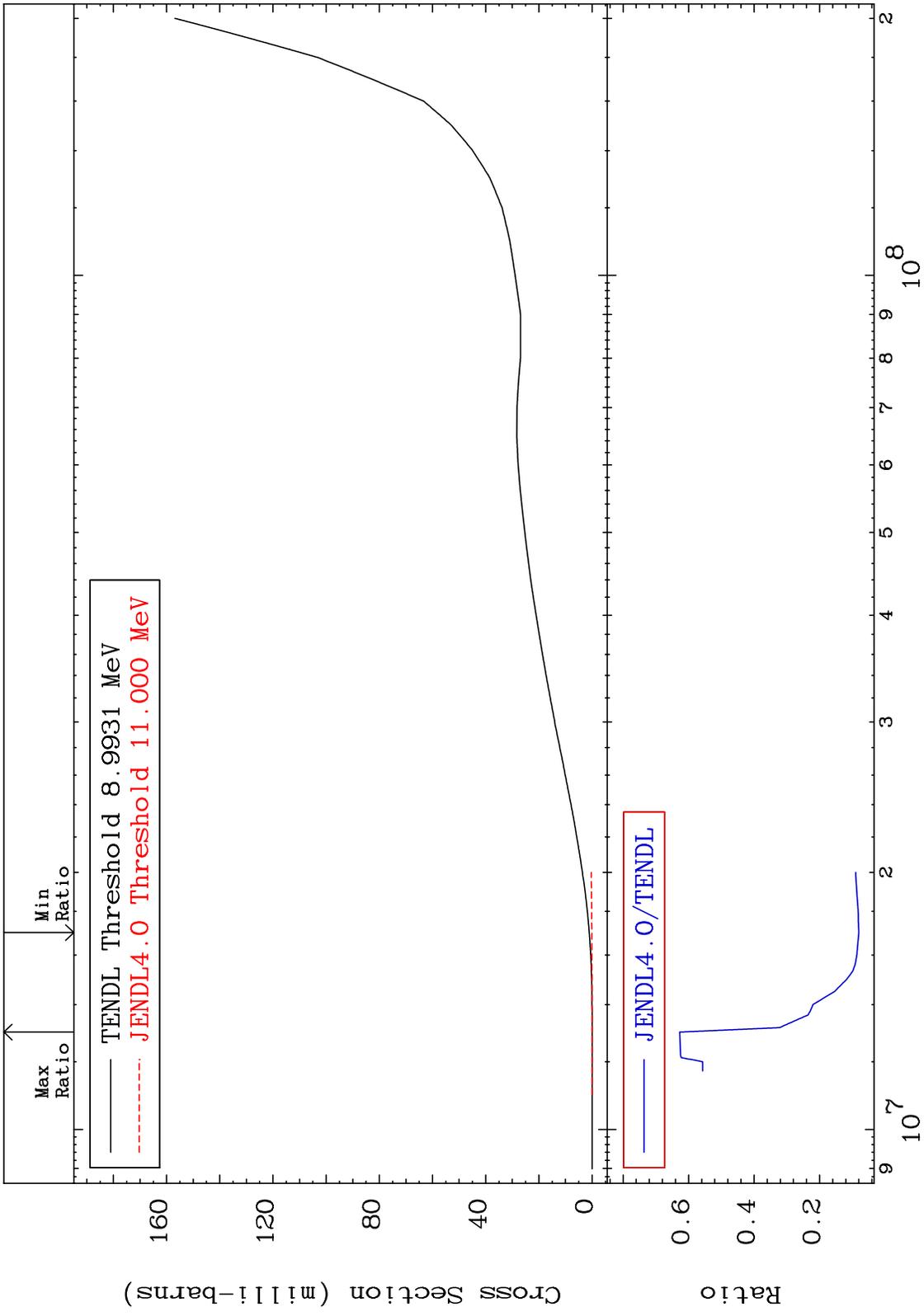
MAT 3440

Deuterium Production
Cross Section

34-Se-79
4.874 To 1823. %



MAT 3440 Tritium Production Cross Section $^{34}\text{Se-79}$
 $-91.98 \text{ To } -37.30\%$

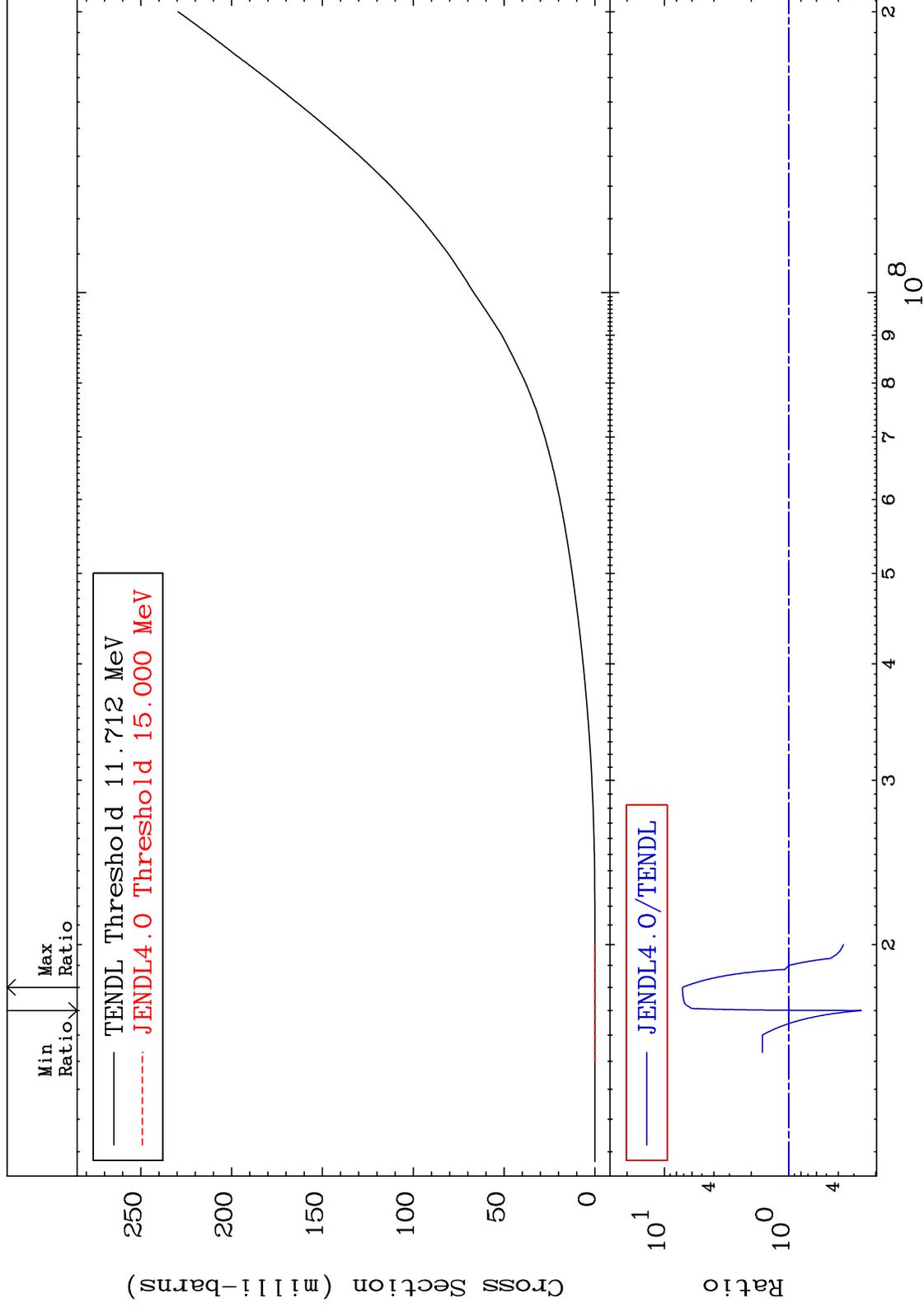


30 Incident Energy (eV) $^{34}\text{Se-79}$

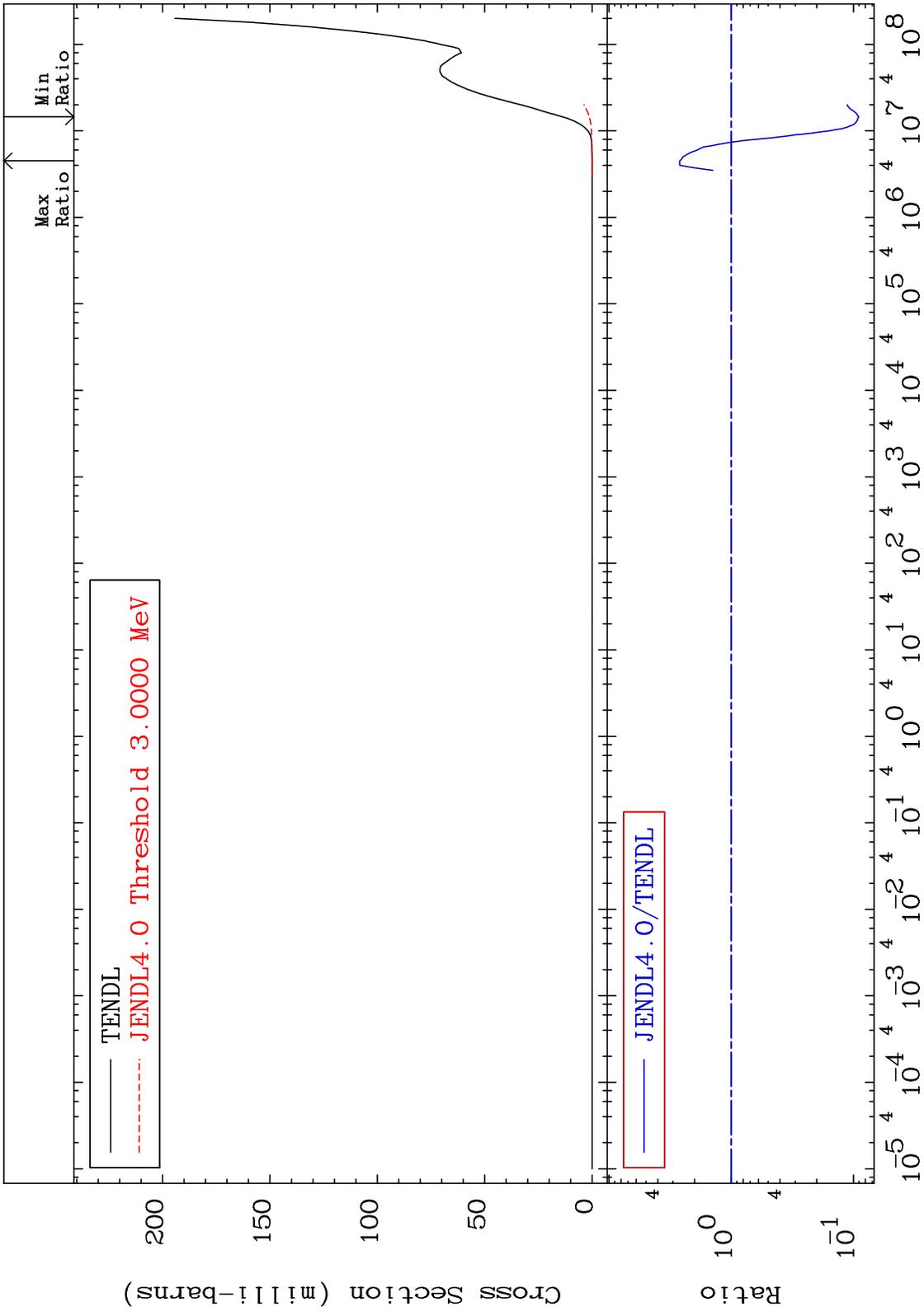
MAT 3440

He-3 Production
Cross Section

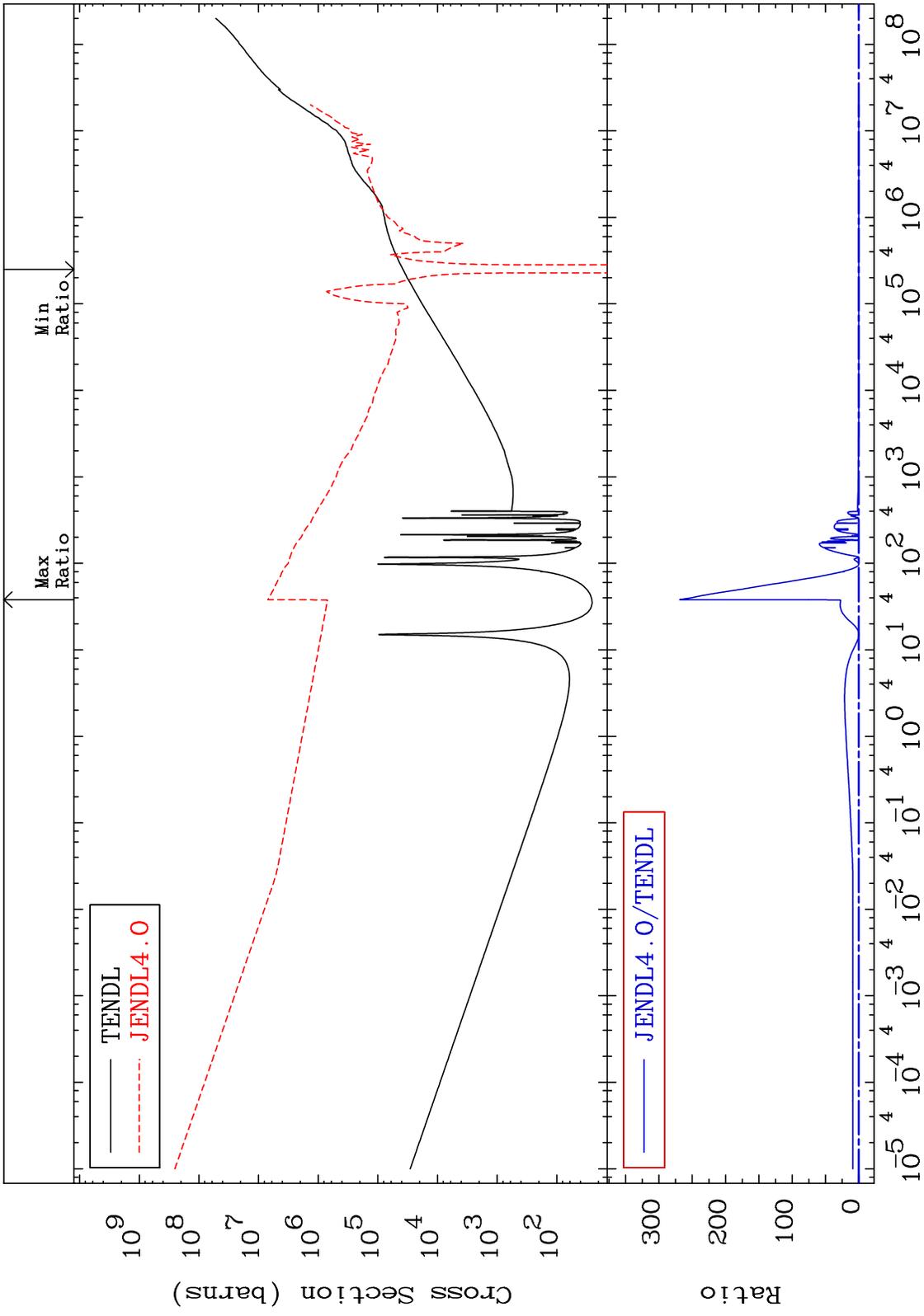
34-Se-79
-73.91 To 615.9 %



MAT 3440 He-4 Production Cross Section 34-Se-79
 -90.95 To 164.1 %



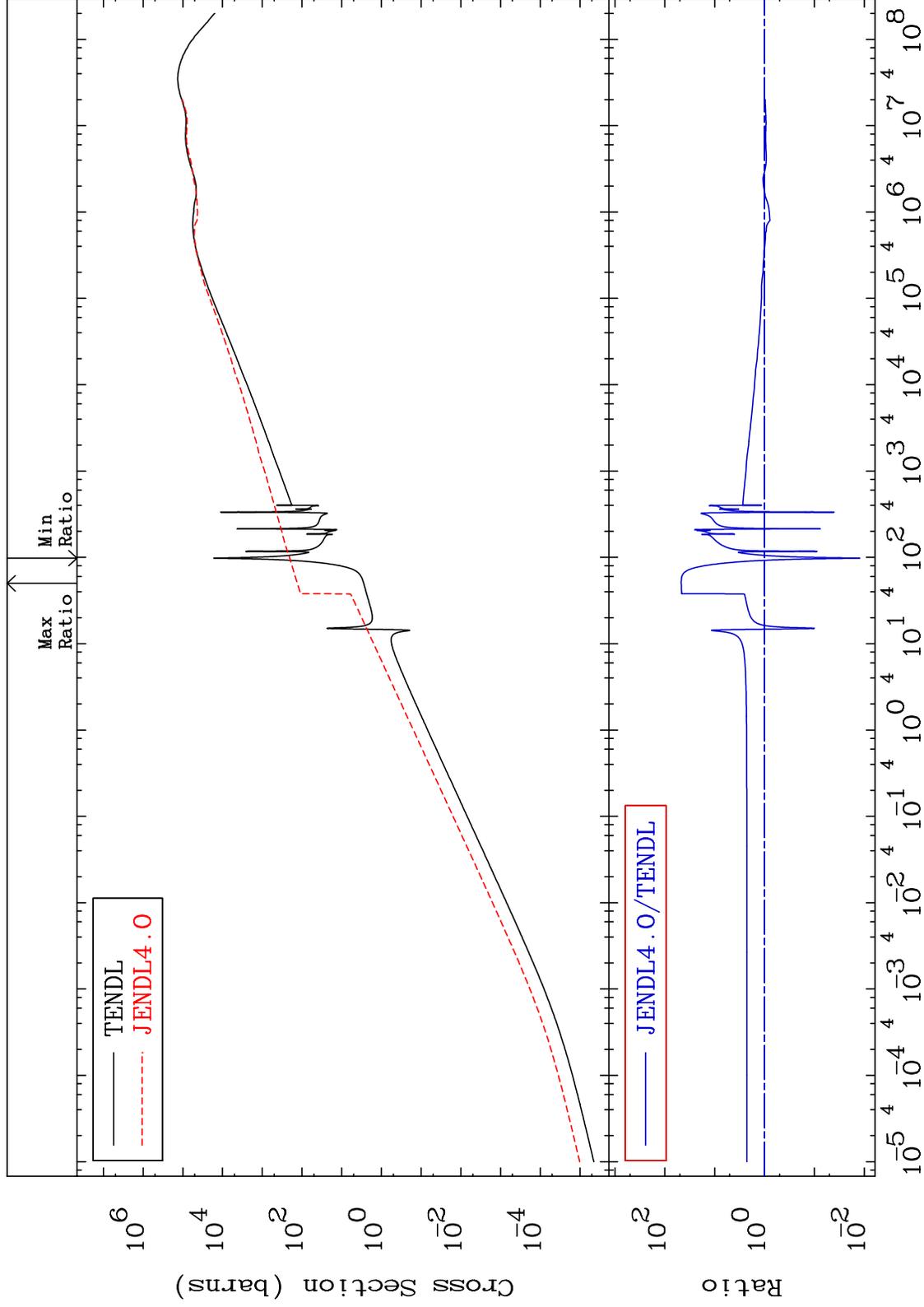
MAT 3440 Kerma total (eV-barns) Cross Section 34-Se-79 -140.9 To 9999. %



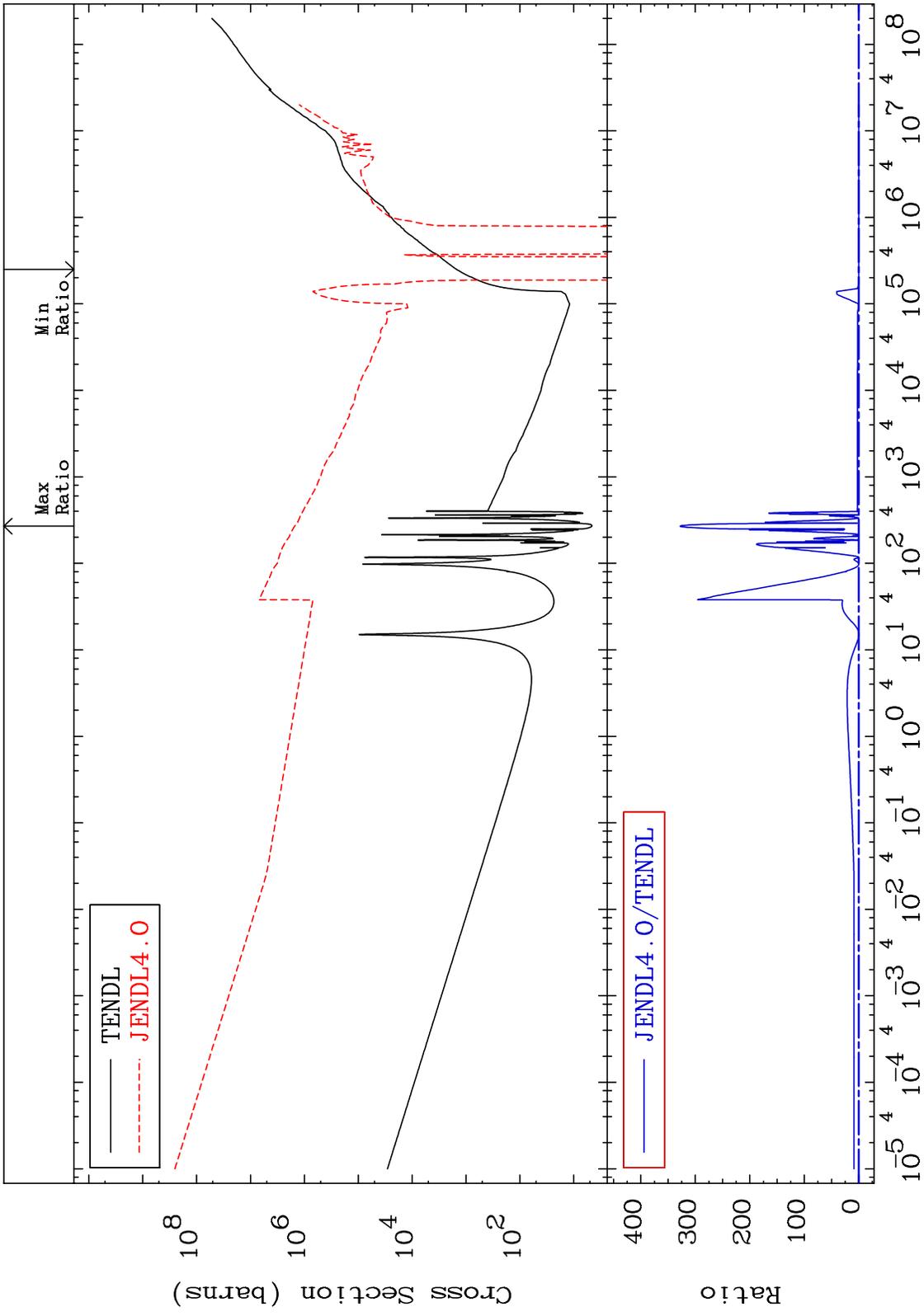
MAT 3440

Kerma elastic
Cross Section

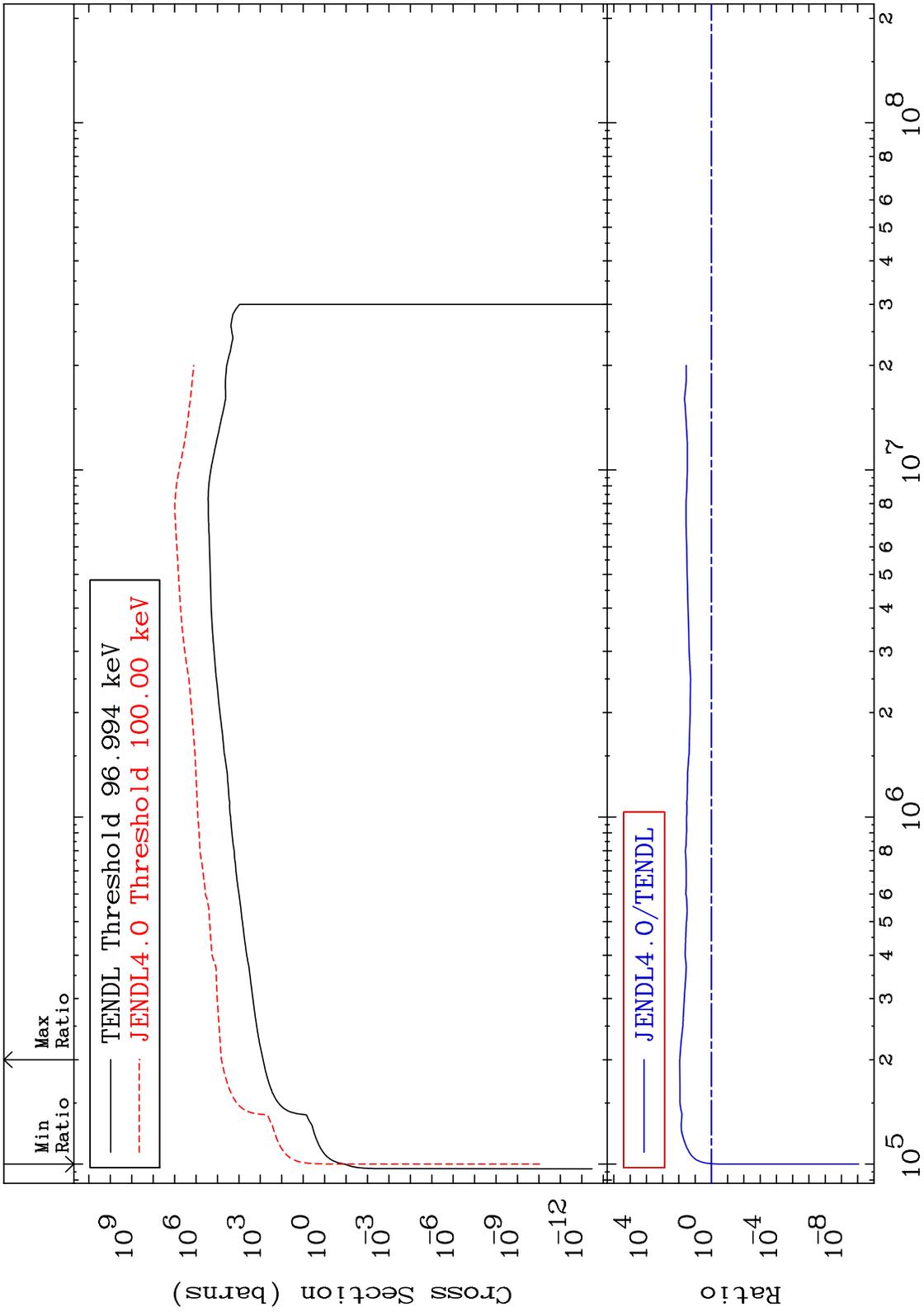
34-Se-79
-98.77 To 4589. %



MAT 3440 Kerma non-elastic (all but mt2) 34-Se-79
 -3733. To 9999. %
 Cross Section



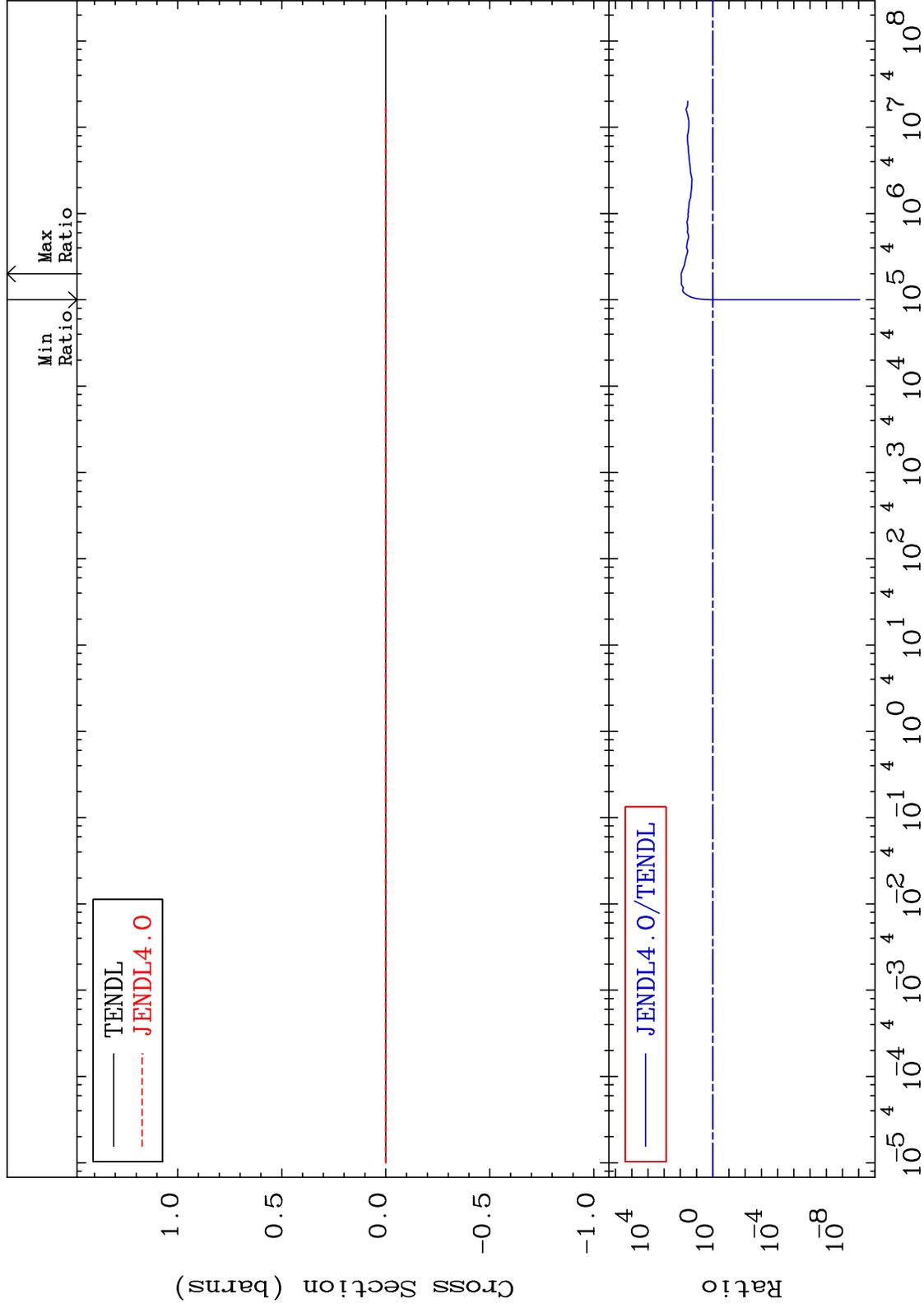
MAT 3440 Kerma inelastic (mt51-91) 34-Se-79
 -100.0 To 8737. %
 Cross Section

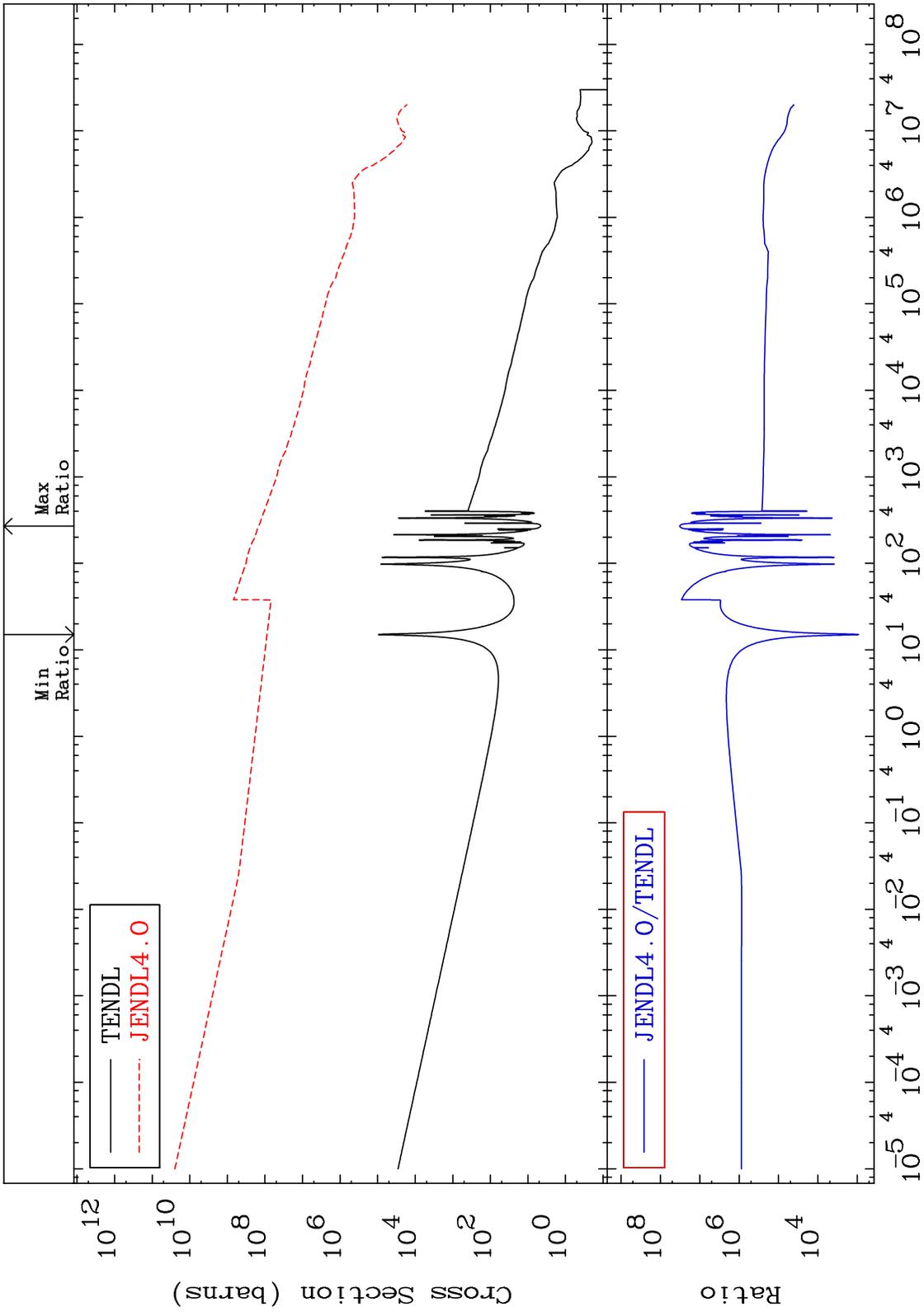


MAT 3440

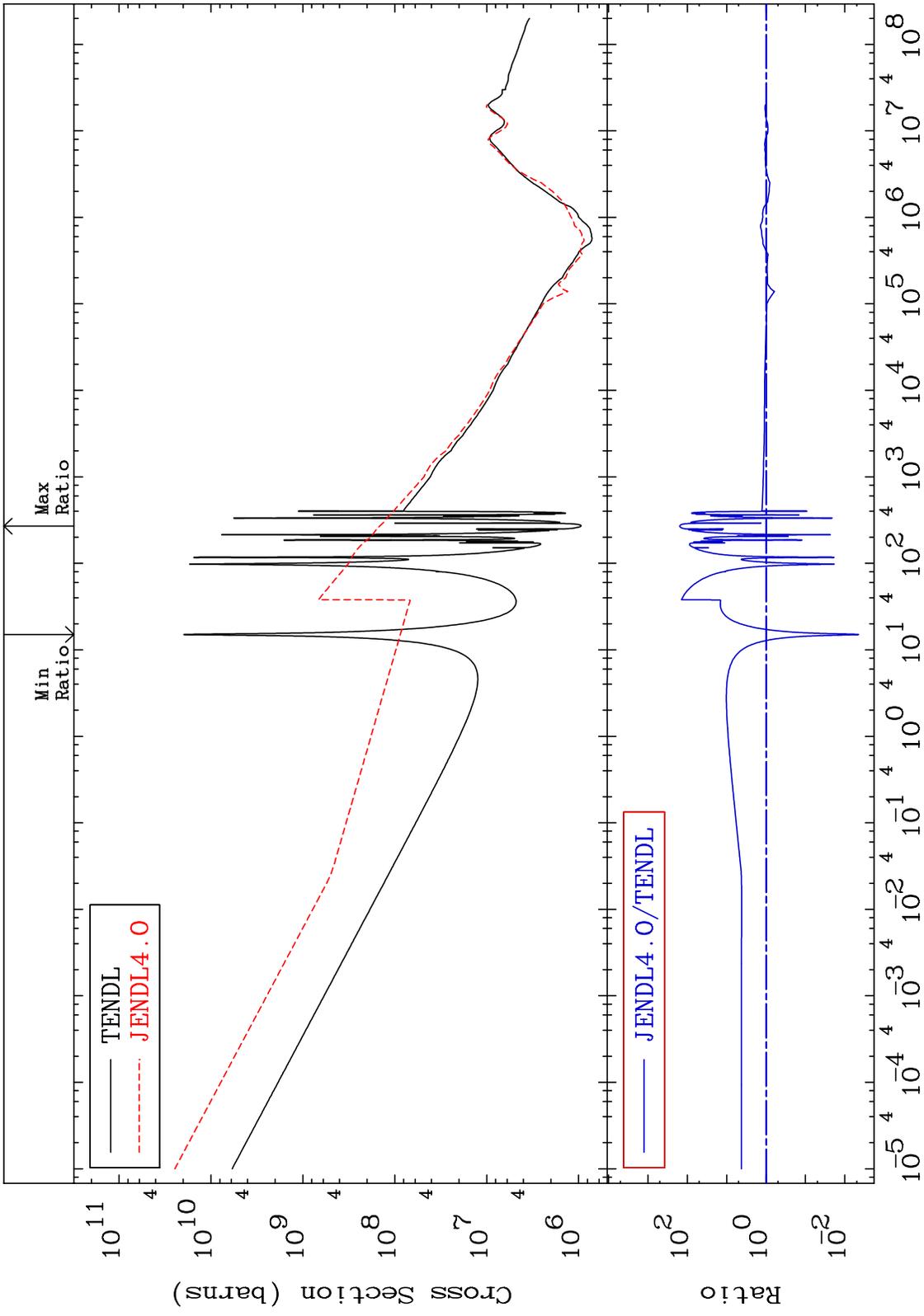
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

34-Se-79
-100.0 To 8737. %

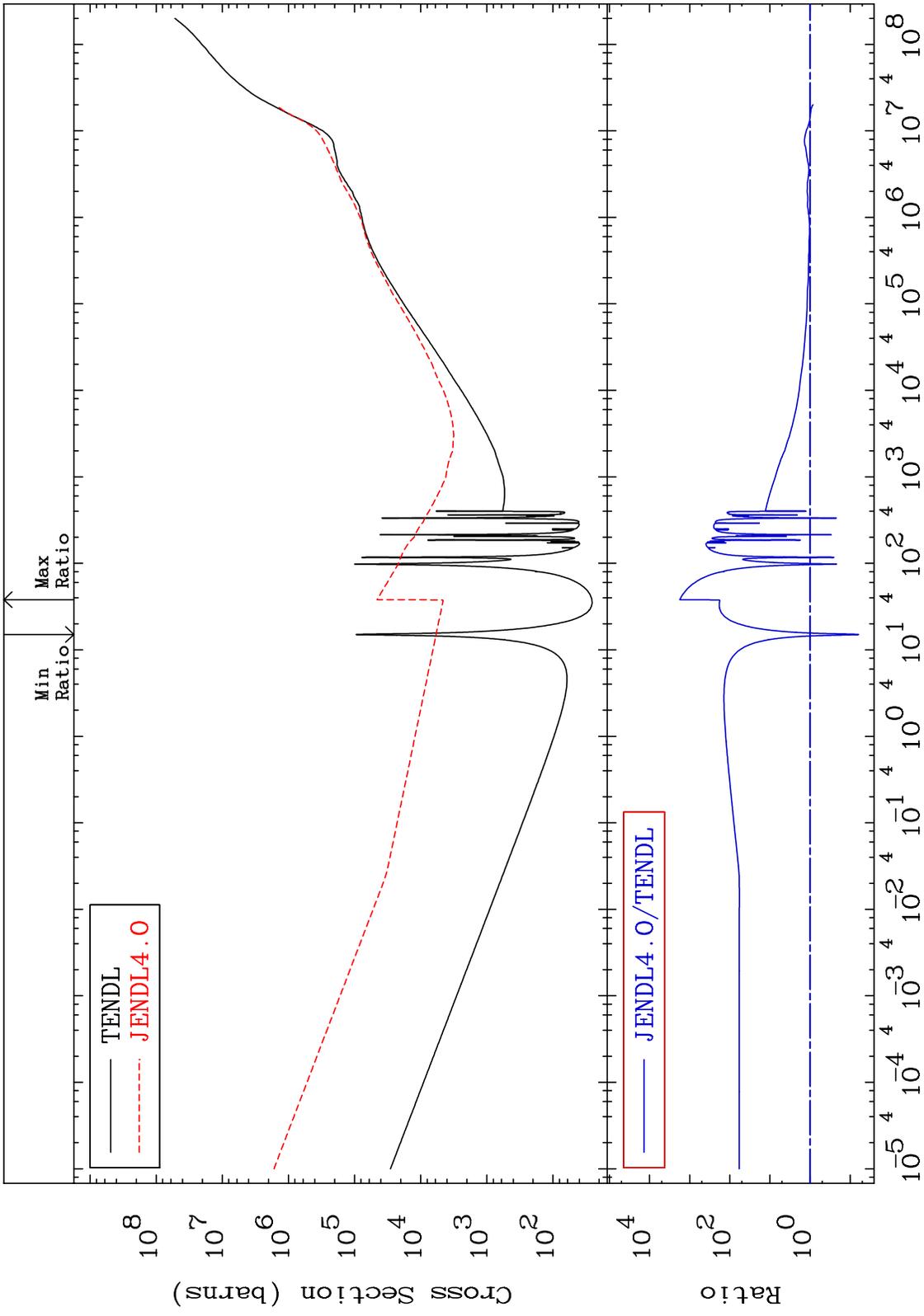




MAT 3440 34-Se-79
 Total photon (eV-barns) -99.56 To 9999. %
 Cross Section

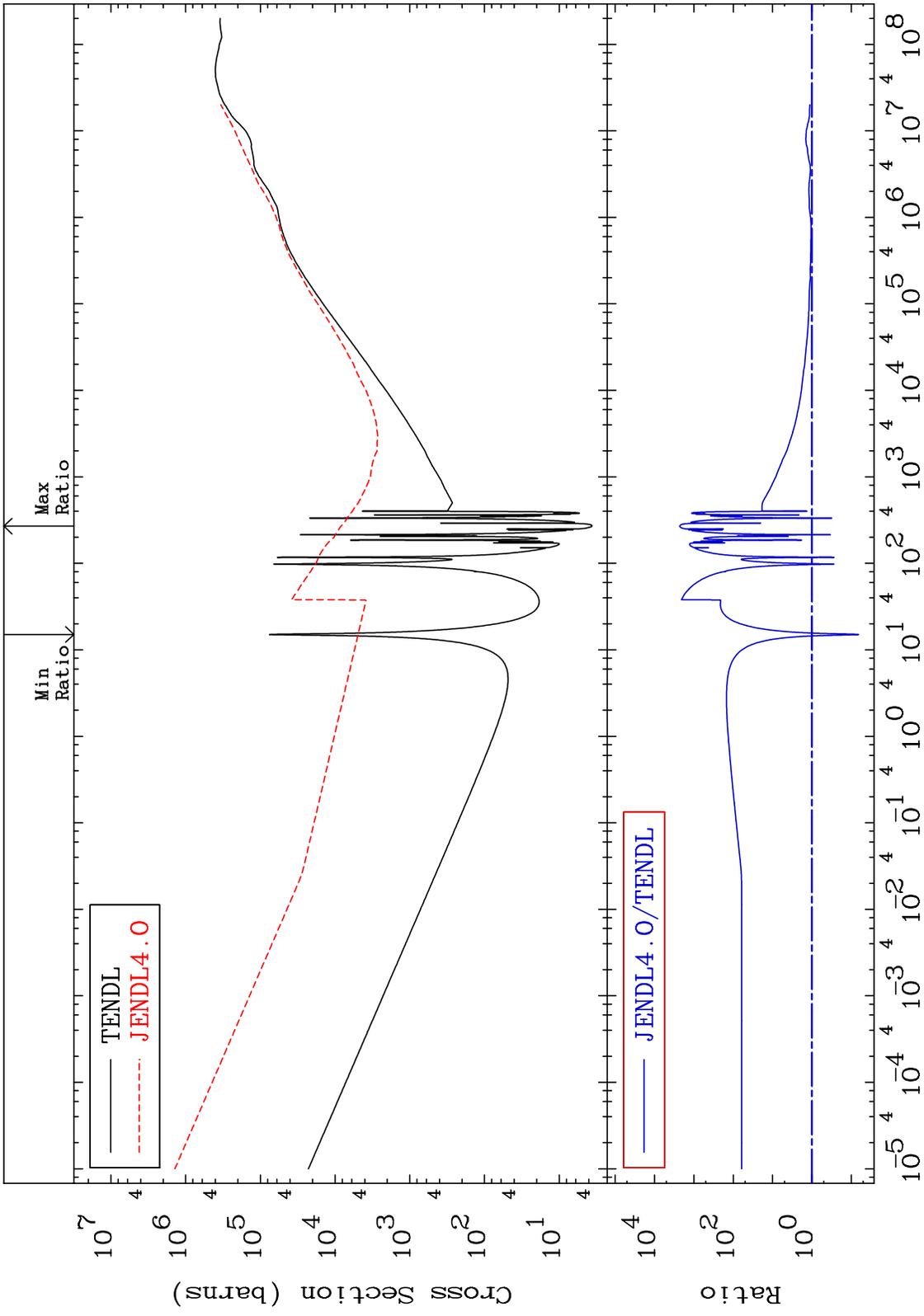


MAT 3440 Total kinematic kerma (high limit) 34-Se-79
 -93.90 To 9999. %
 Cross Section

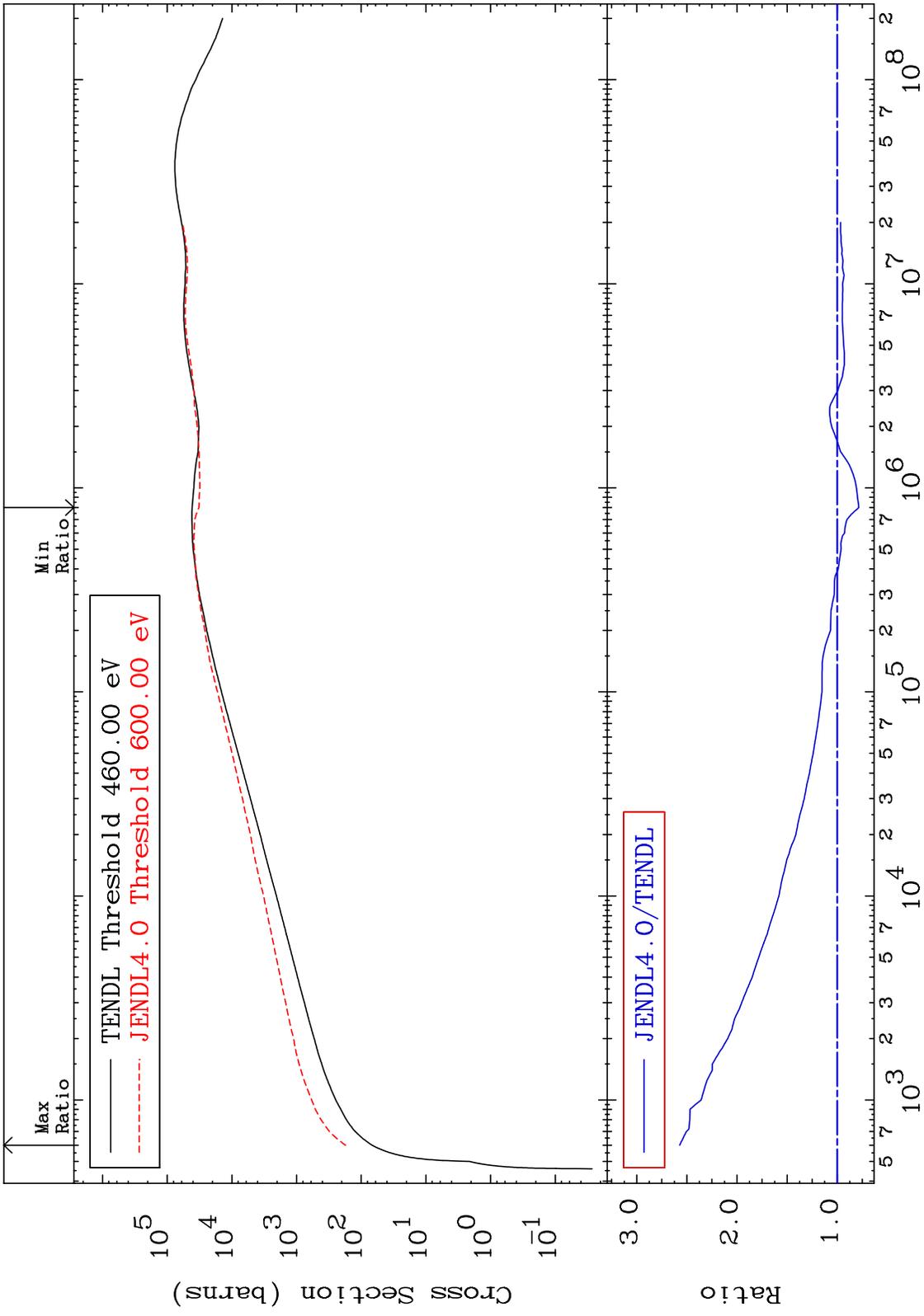


40 Incident Energy (eV) 34-Se-79

MAT 3440 Dpa total (eV-barns) 34-Se-79
 -93.54 To 9999. %
 Cross Section

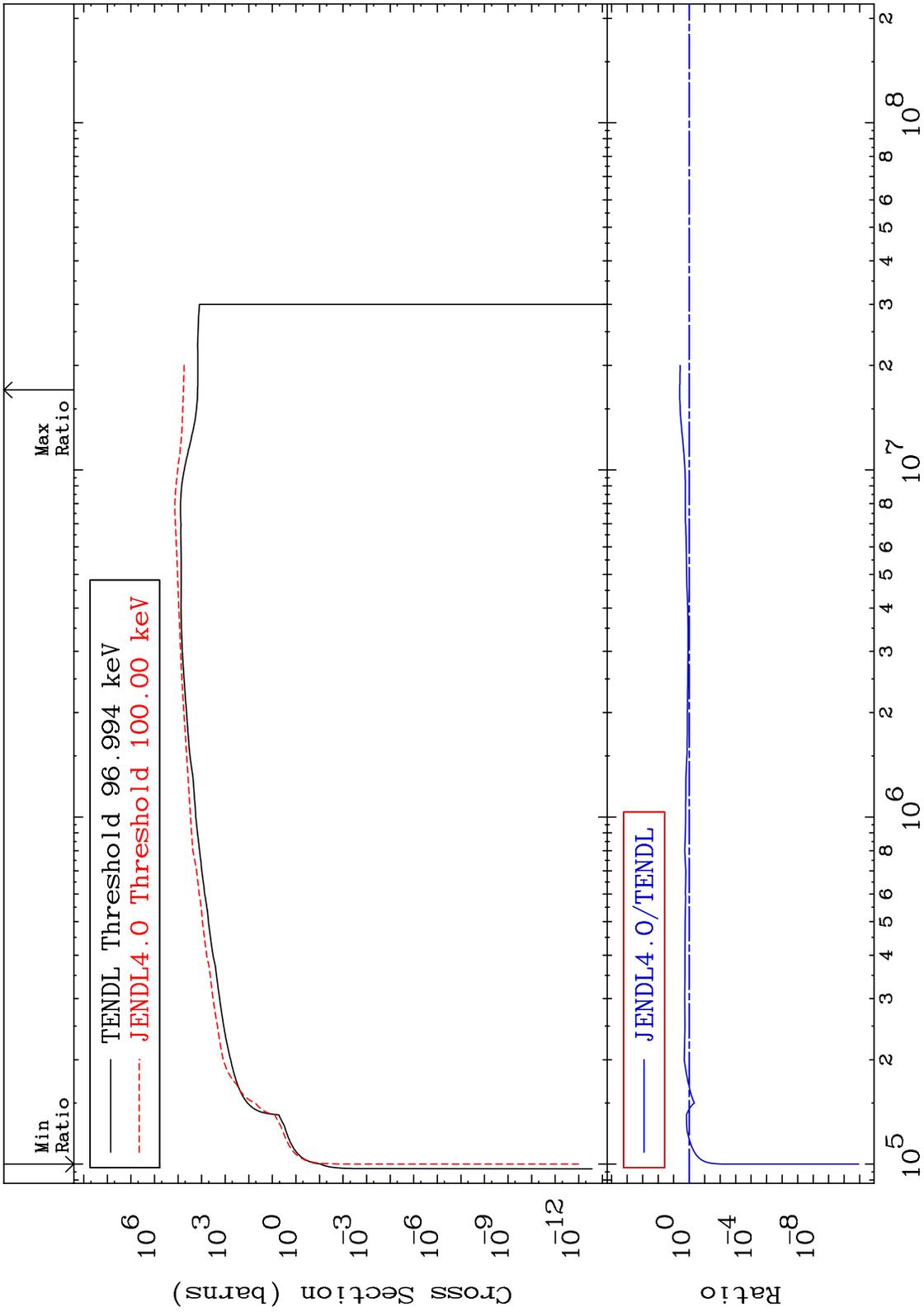


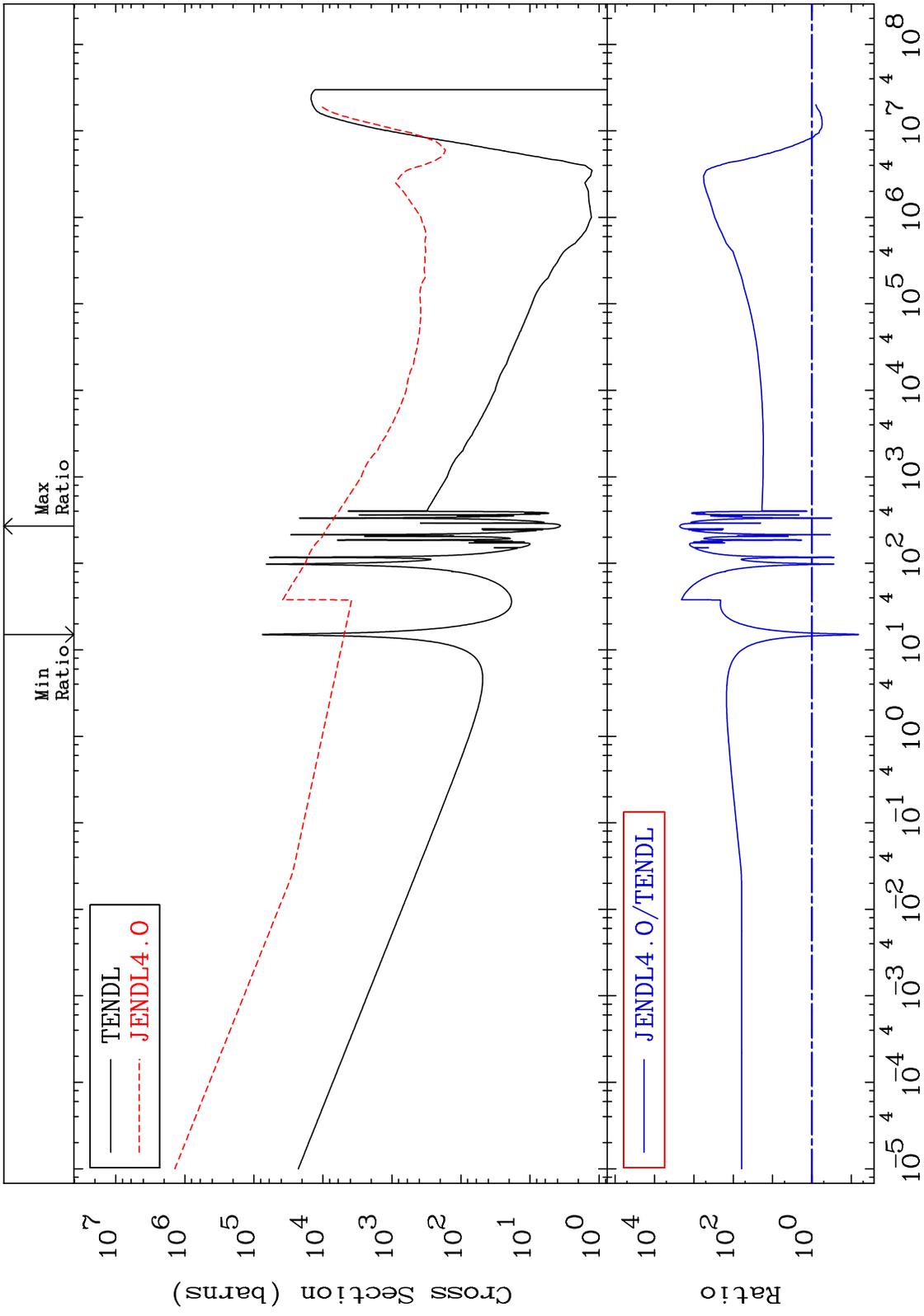
MAT 3440 34-Se-79
 Dpa elastic (mt2) -21.52 To 157.1 %
 Cross Section



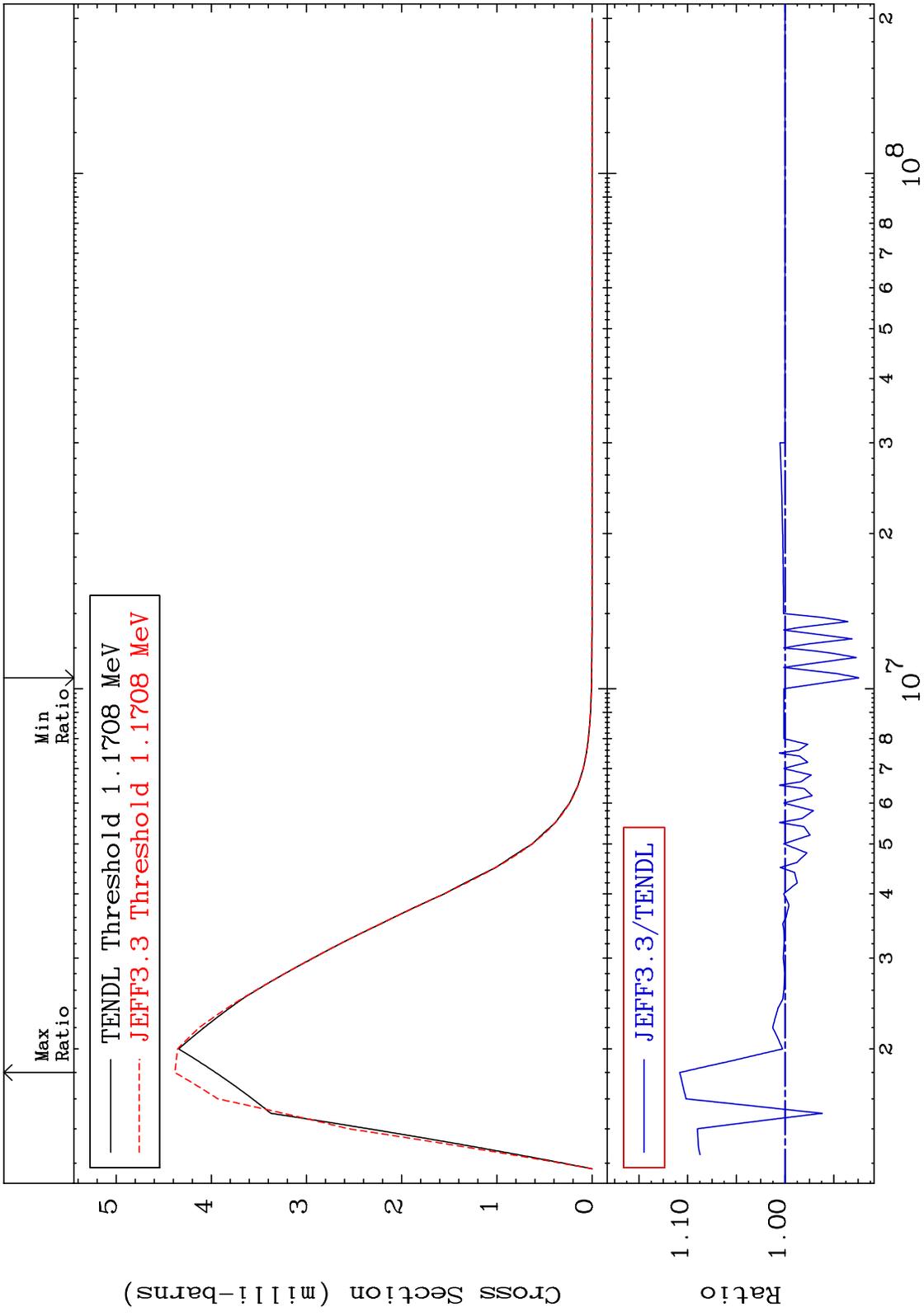
42 34-Se-79

MAT 3440 Dpa inelastic (mt51-91) 34-Se-79
 Cross Section -100.0 To 303.3 %

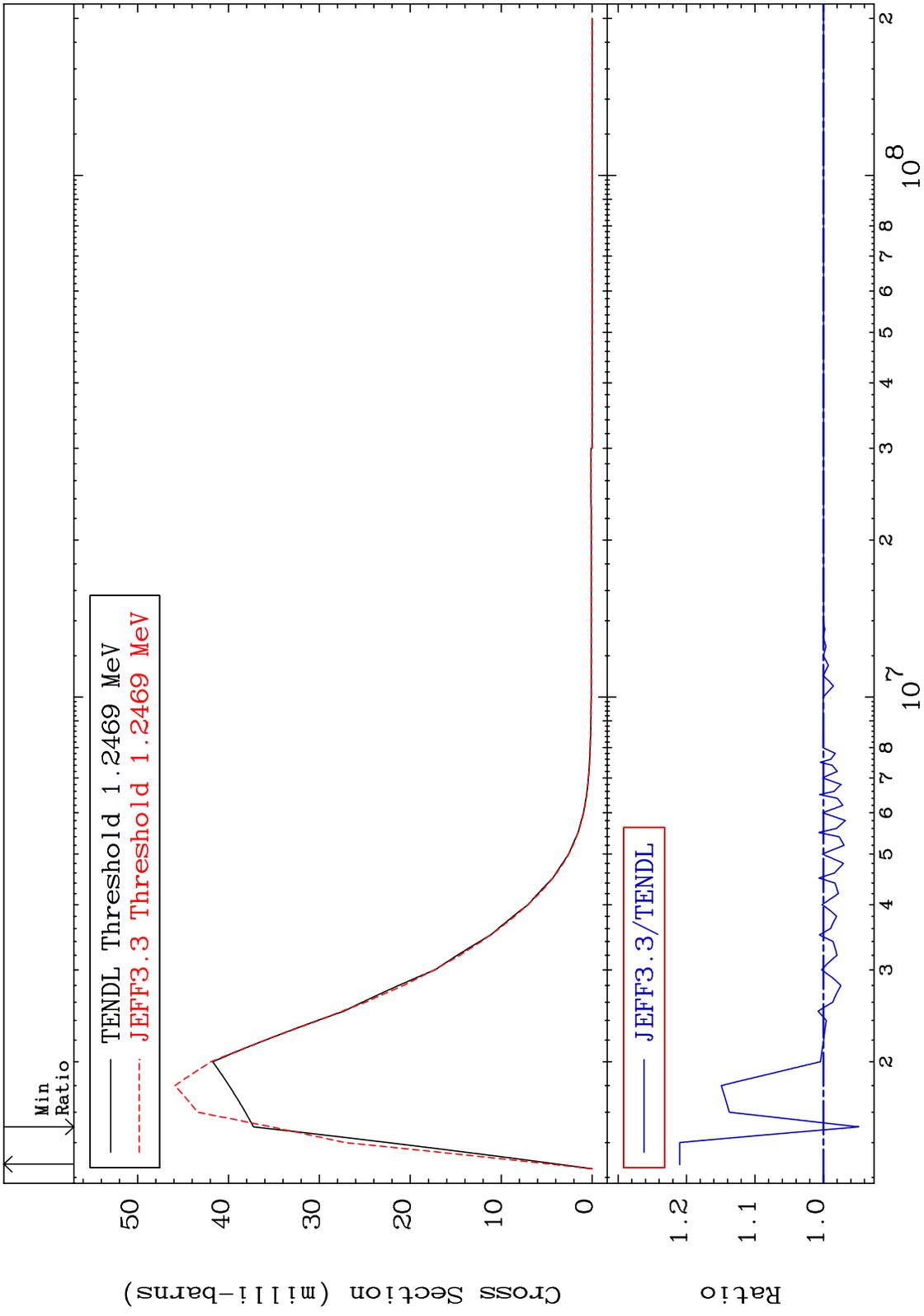




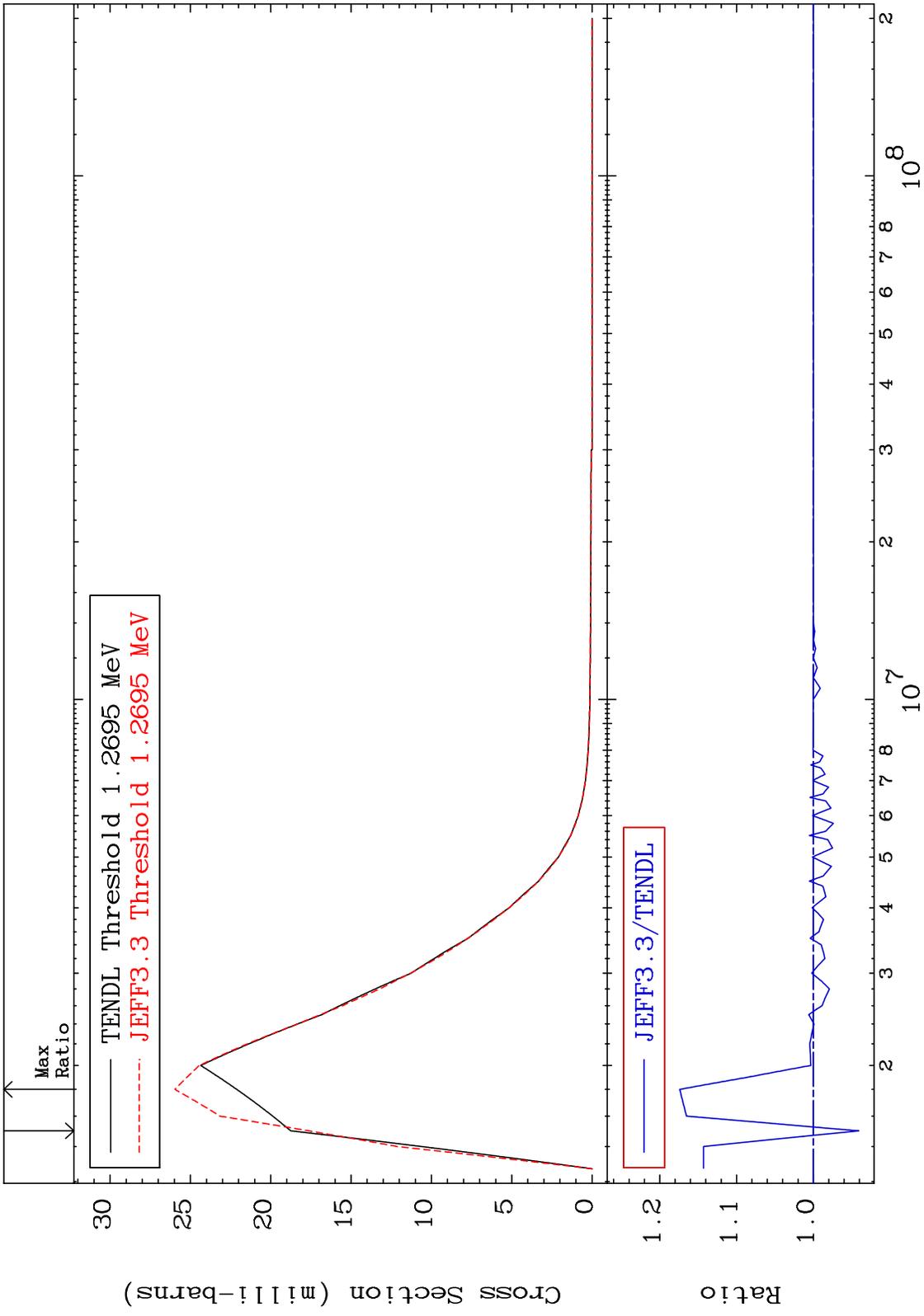
MAT 3440 MT= 76 (n,n') Level Cross Section 34-Se-79
 -7.573 To 10.81 %



MAT 3440 MT= 77 (n,n') Level Cross Section -5.167 To 20.99 % 34-Se-79



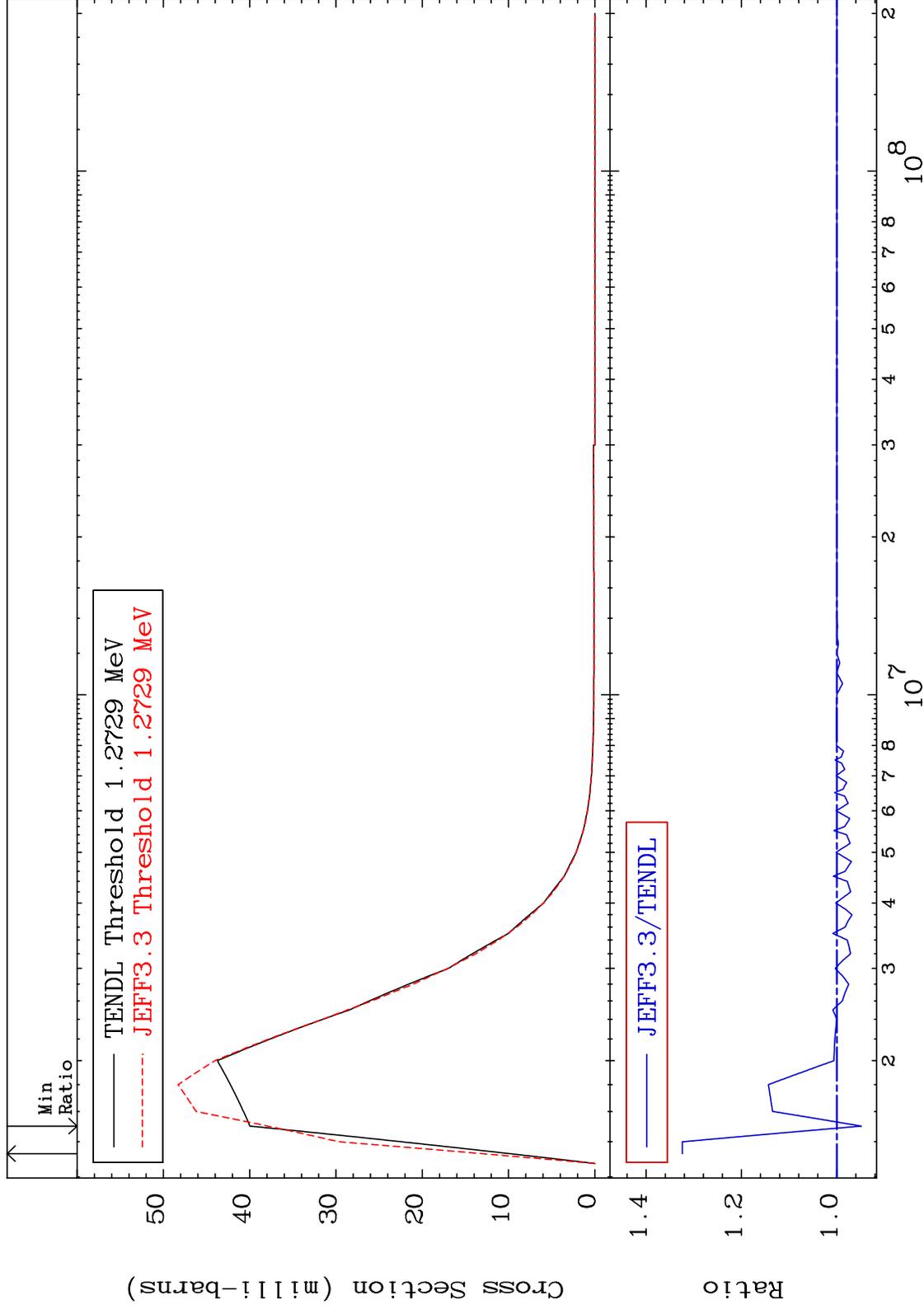
MAT 3440 MT= 78 (n,n') Level Cross Section -5.910 To 17.40 % 34-Se-79



MAT 3440

MT= 79 (n,n') Level
Cross Section

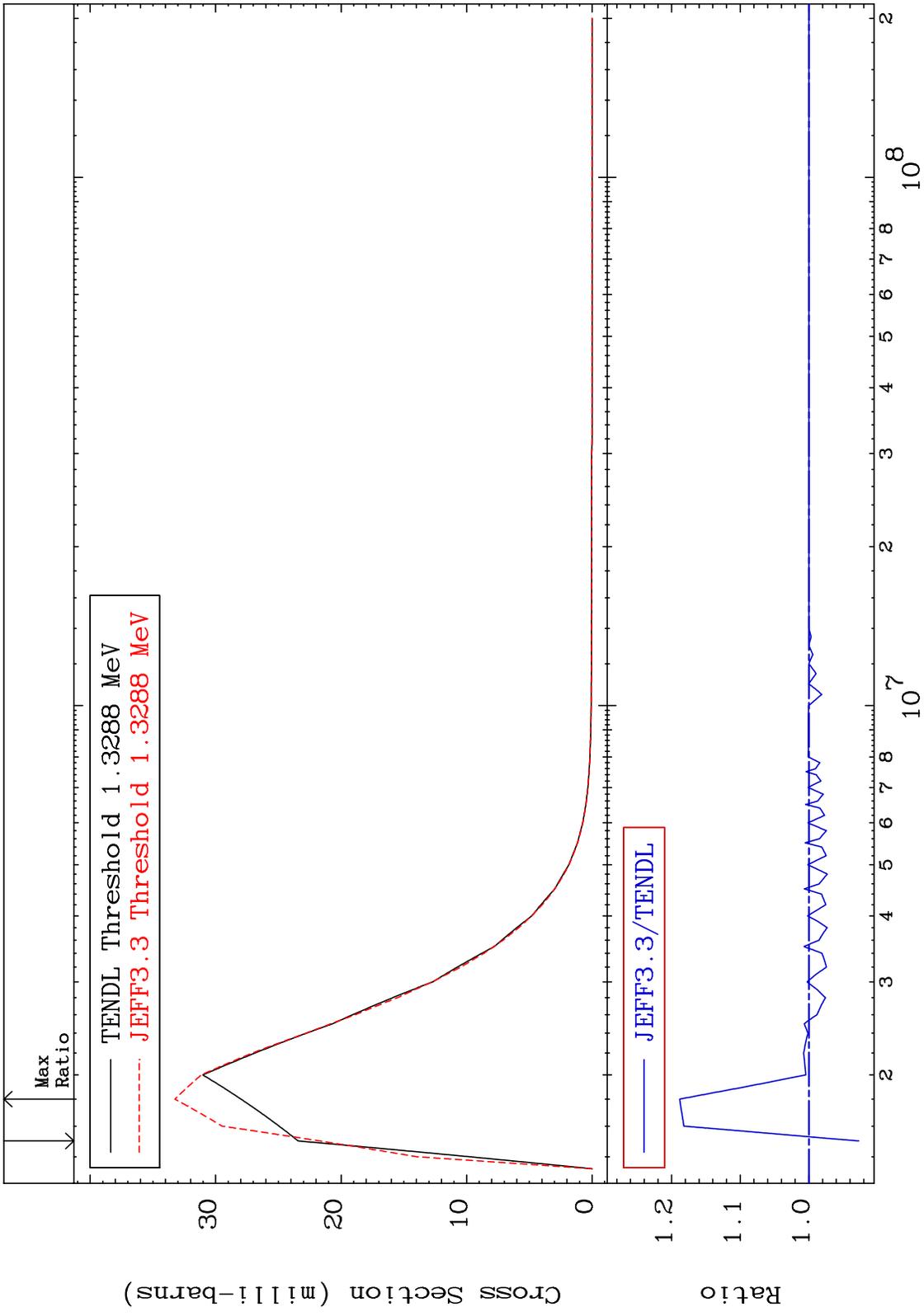
34-Se-79
-5.141 To 32.39 %



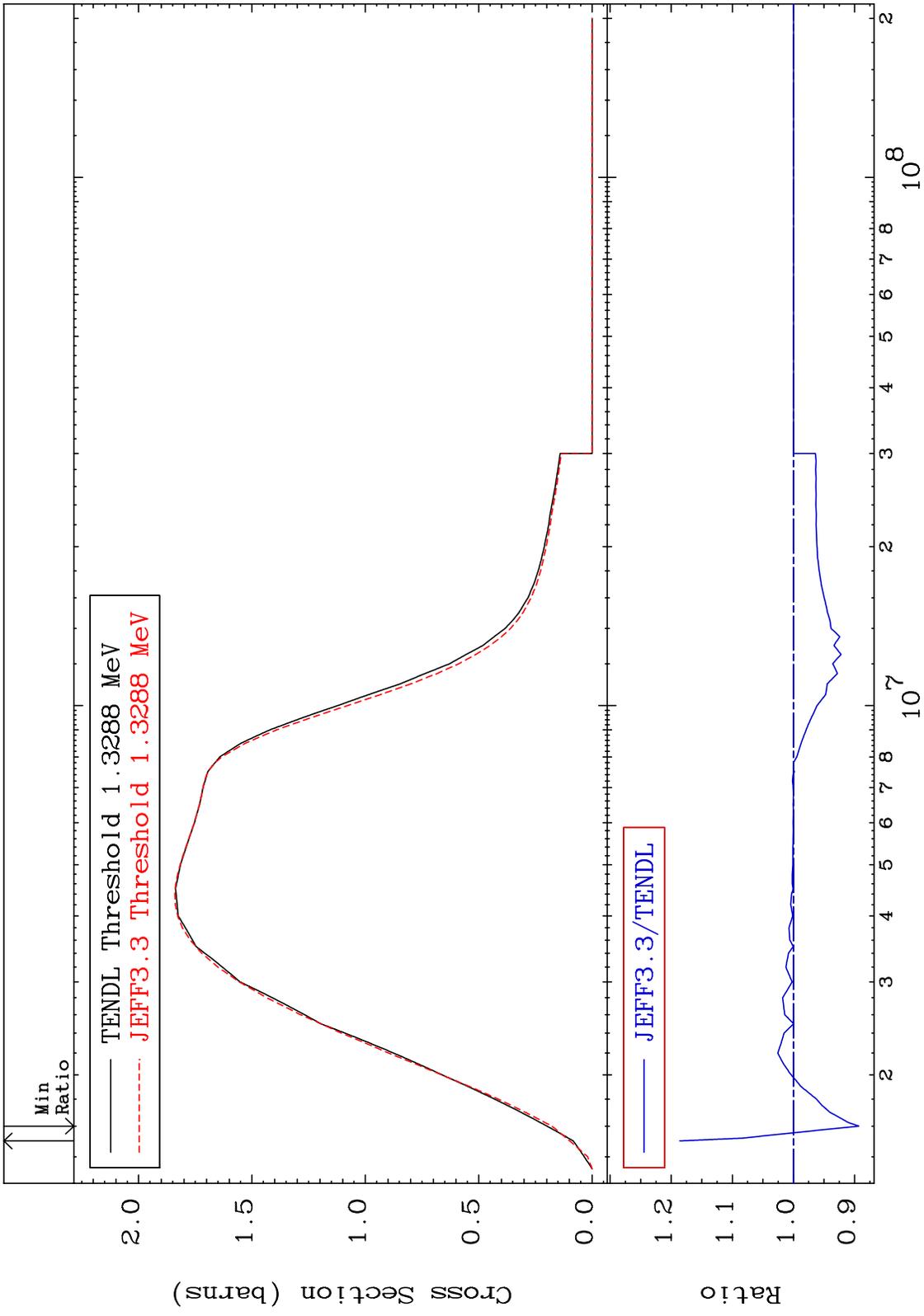
48

34-Se-79

MAT 3440 MT= 80 (n,n') Level Cross Section 34-Se-79 -7.283 To 18.82 %

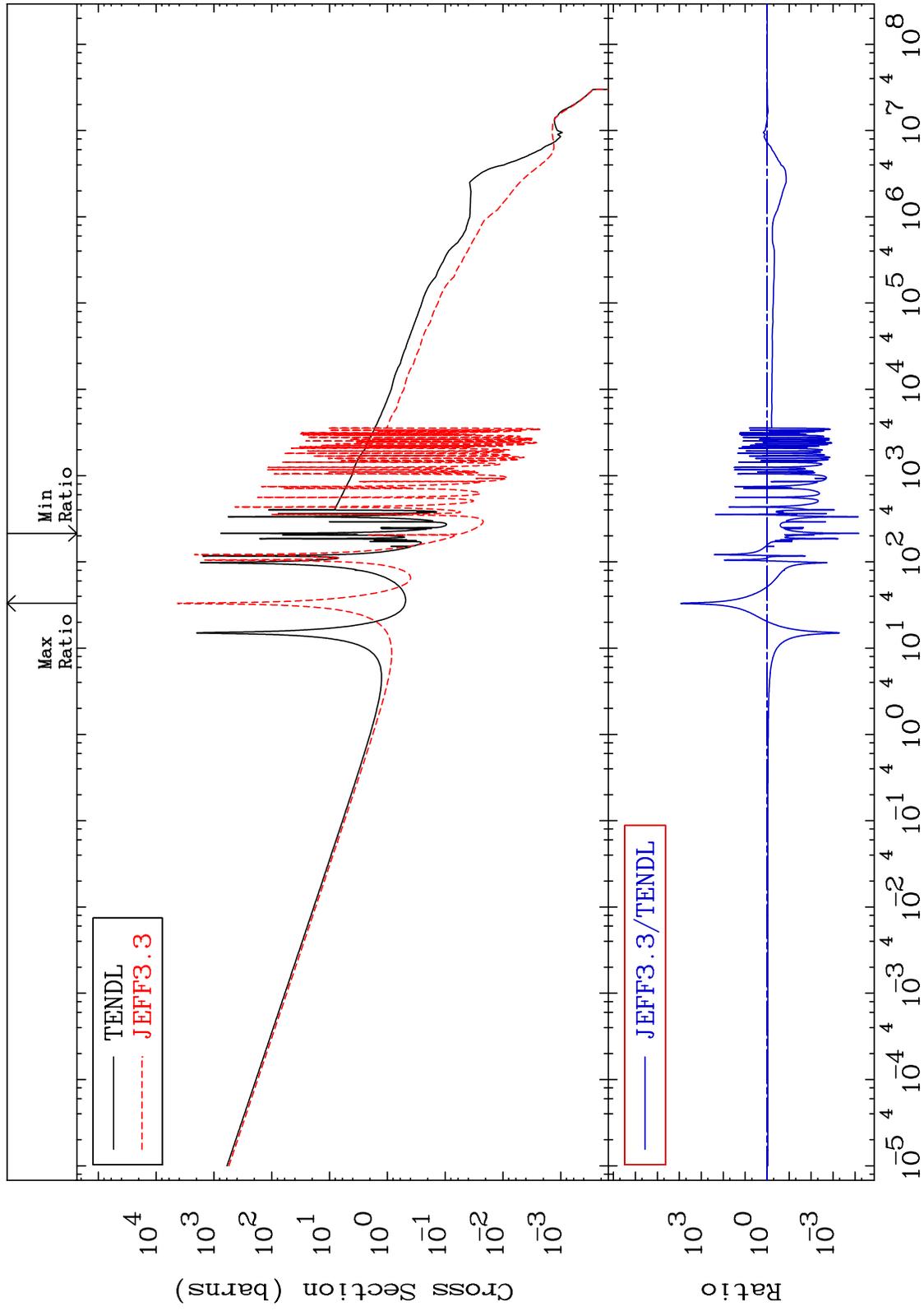


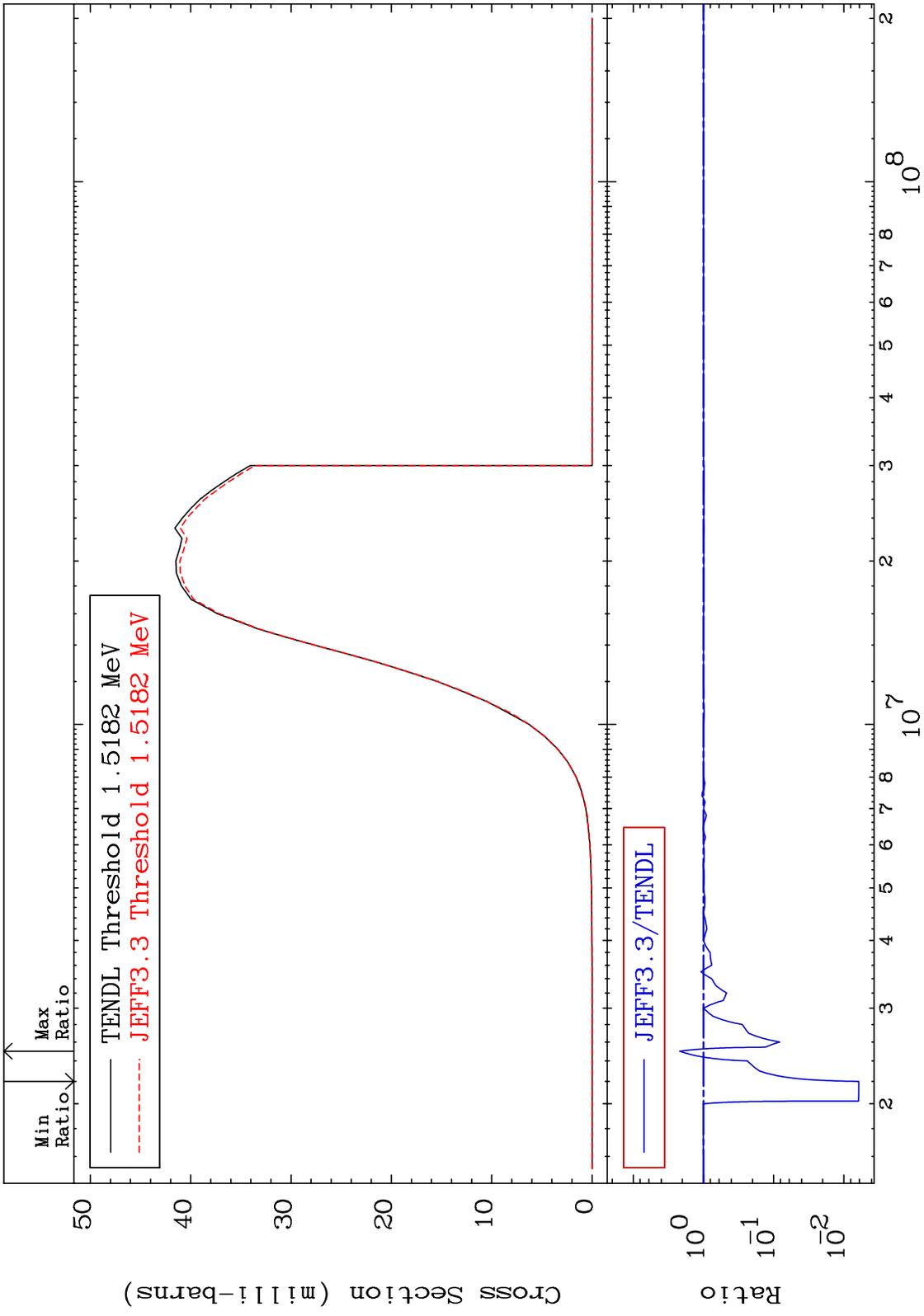
MAT 3440 (n, n') Continuum Cross Section 34-Se-79 -10.70 To 18.61 %

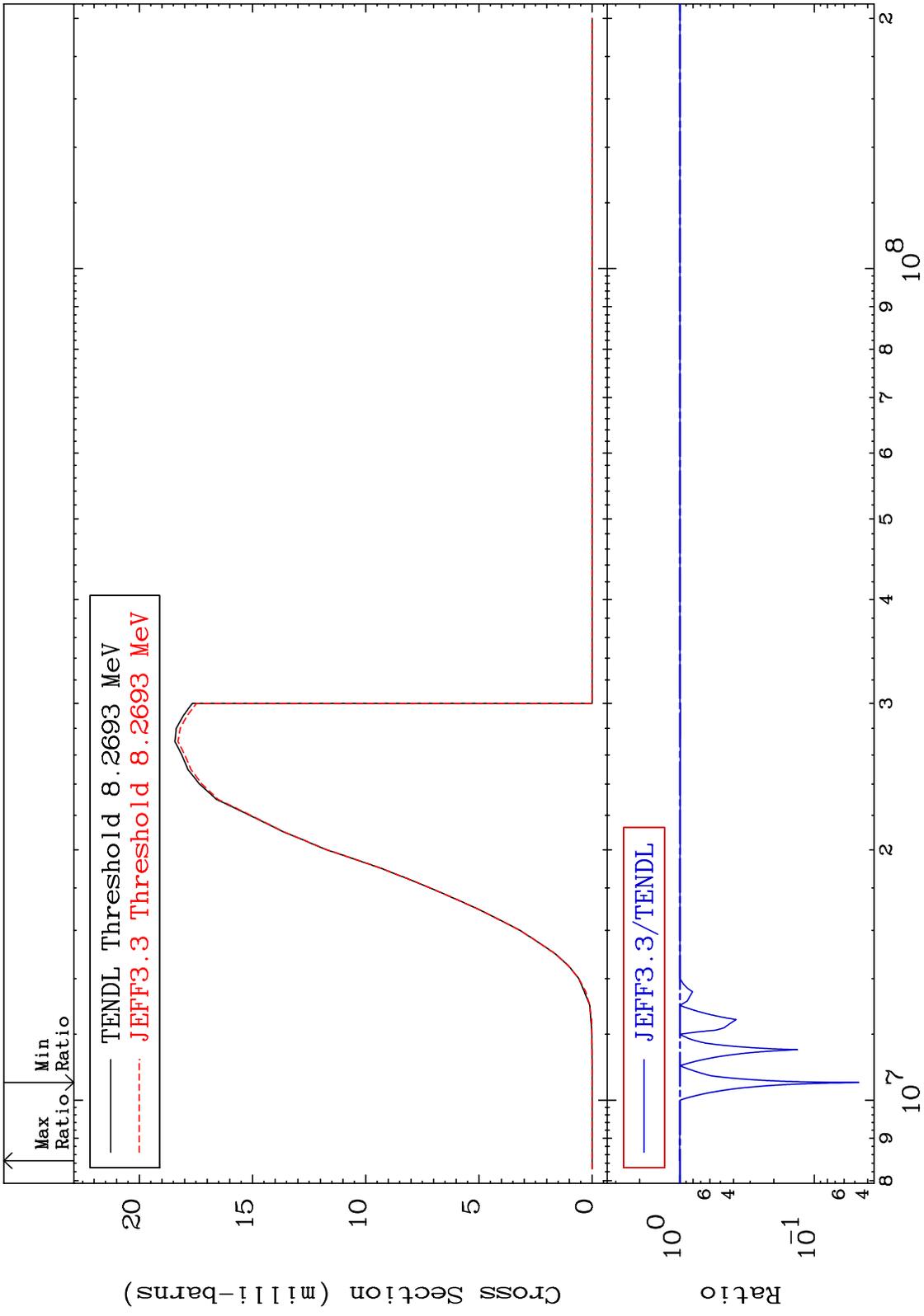


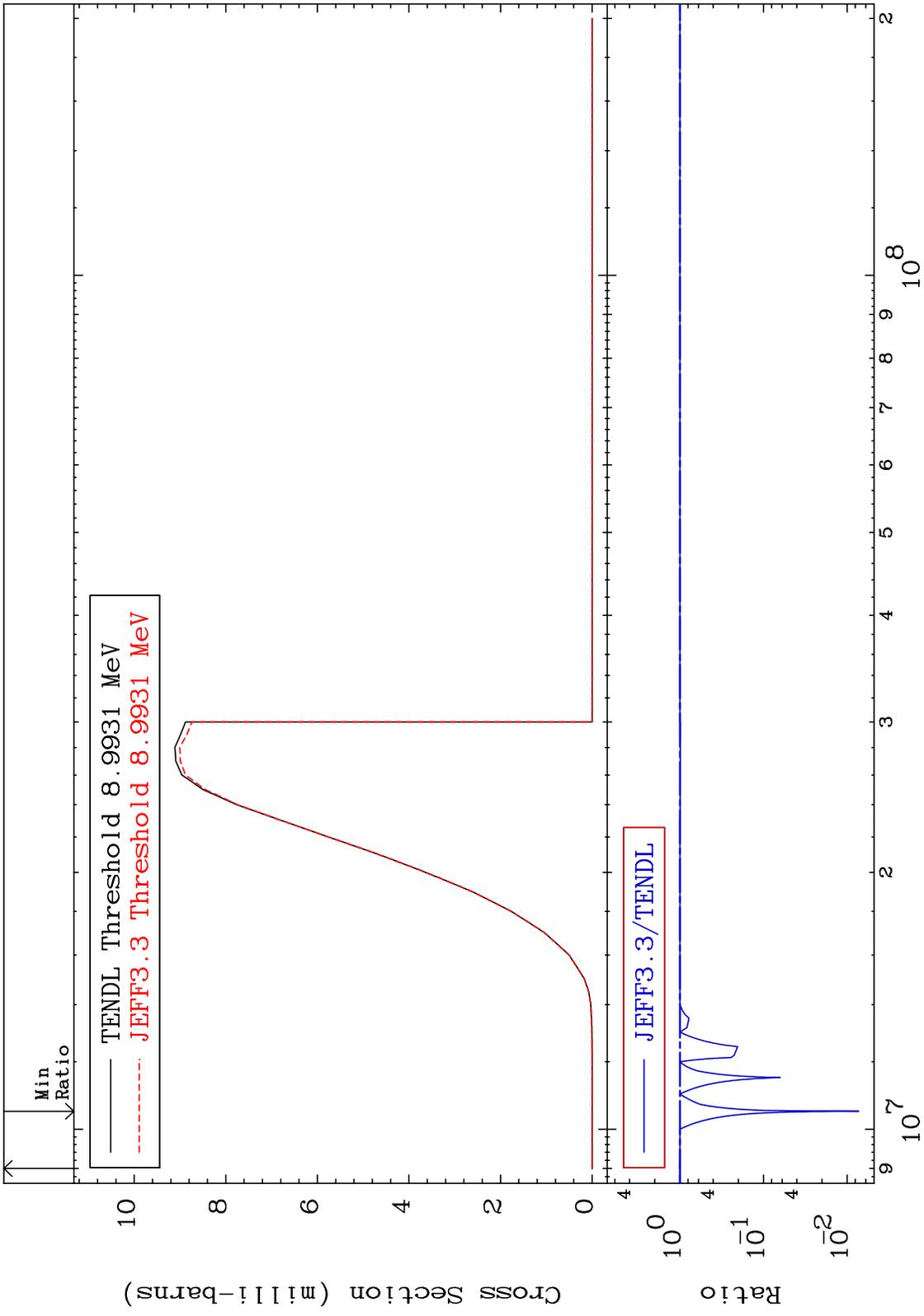
MAT 3440

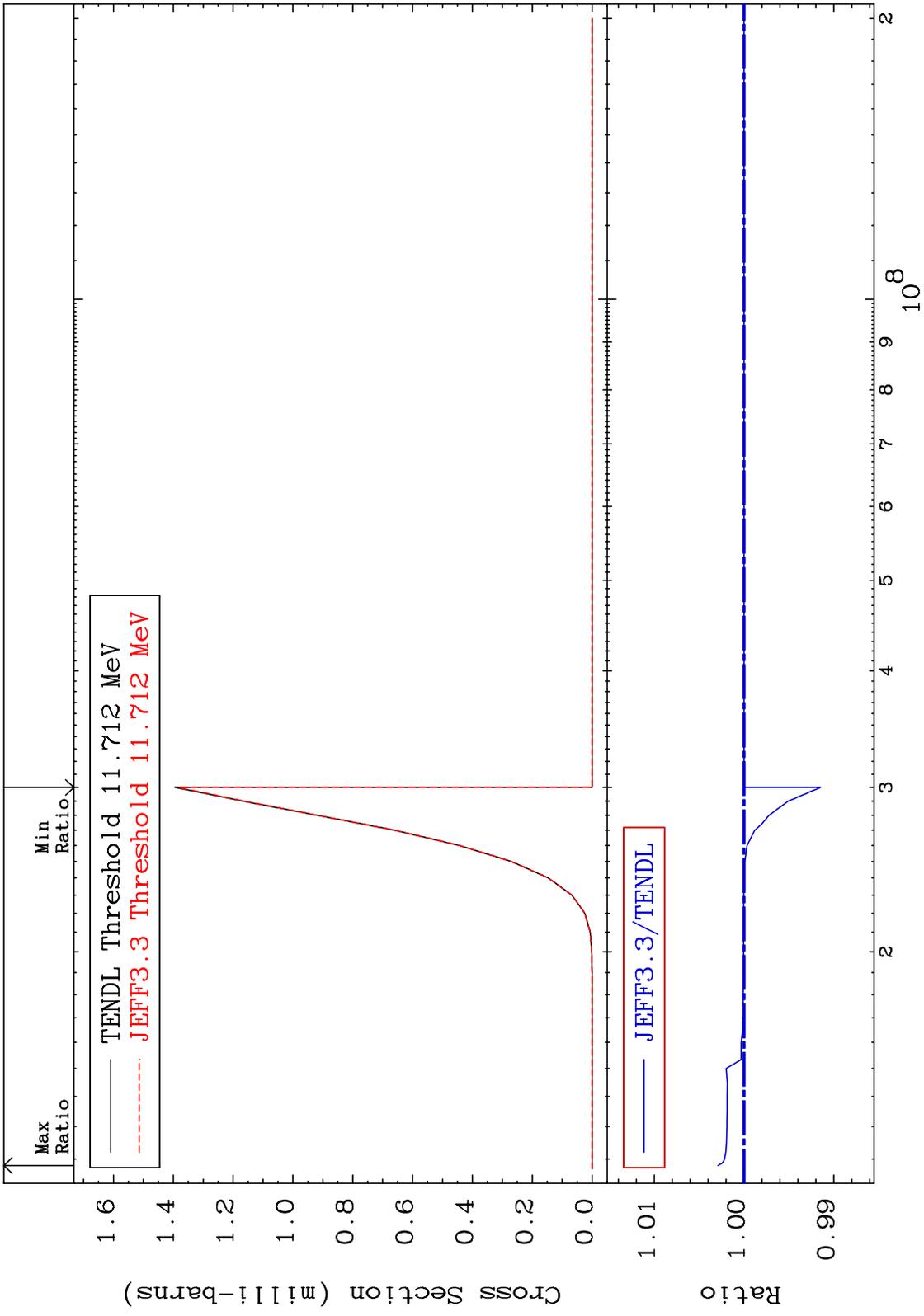
(n, γ) Cross Section
34-Se-79
-99.99 To 9999. %



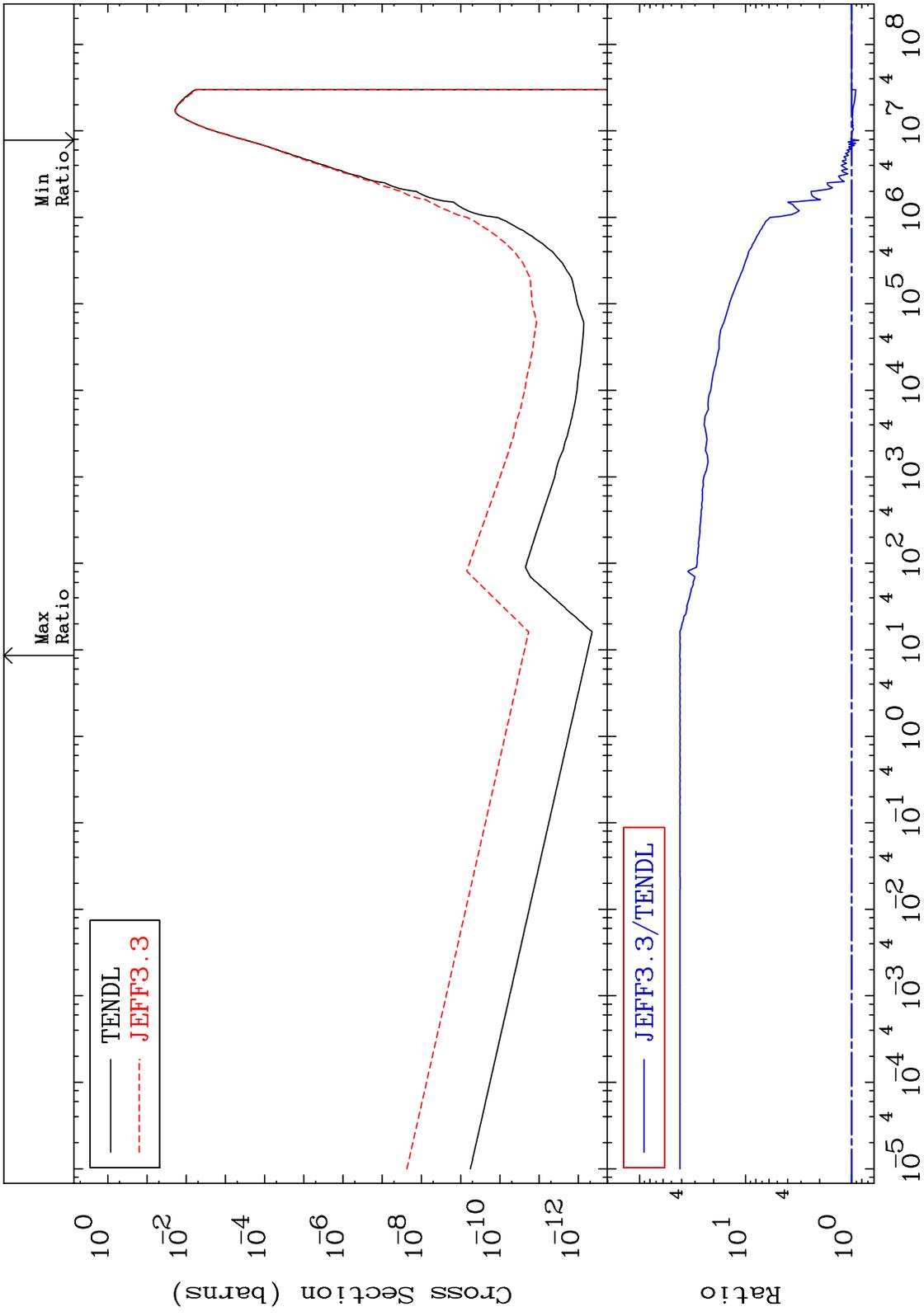




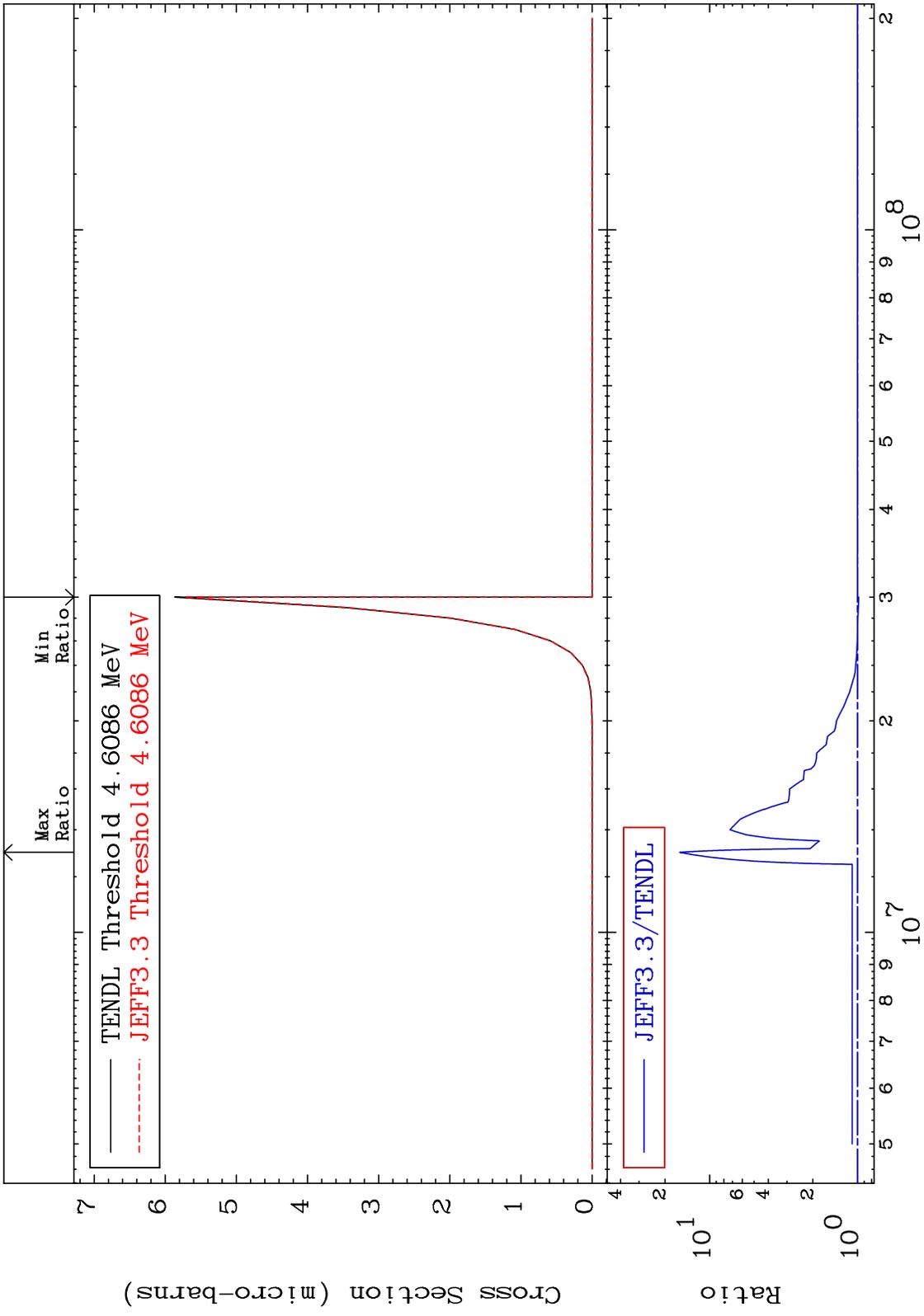


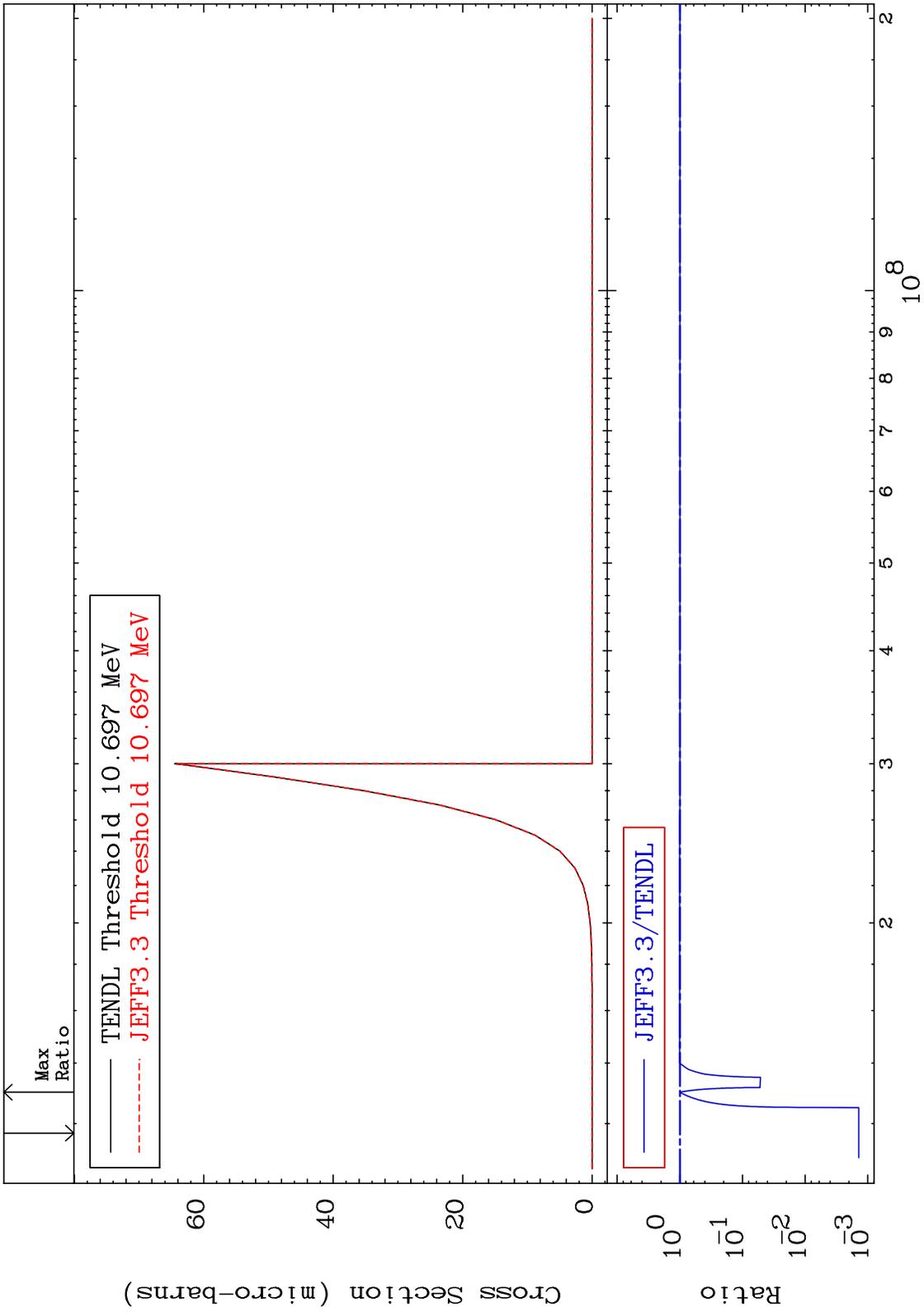


MAT 3440 $^{34}\text{Se-79}$ (n, α) Cross Section -14.75 To 4075. %

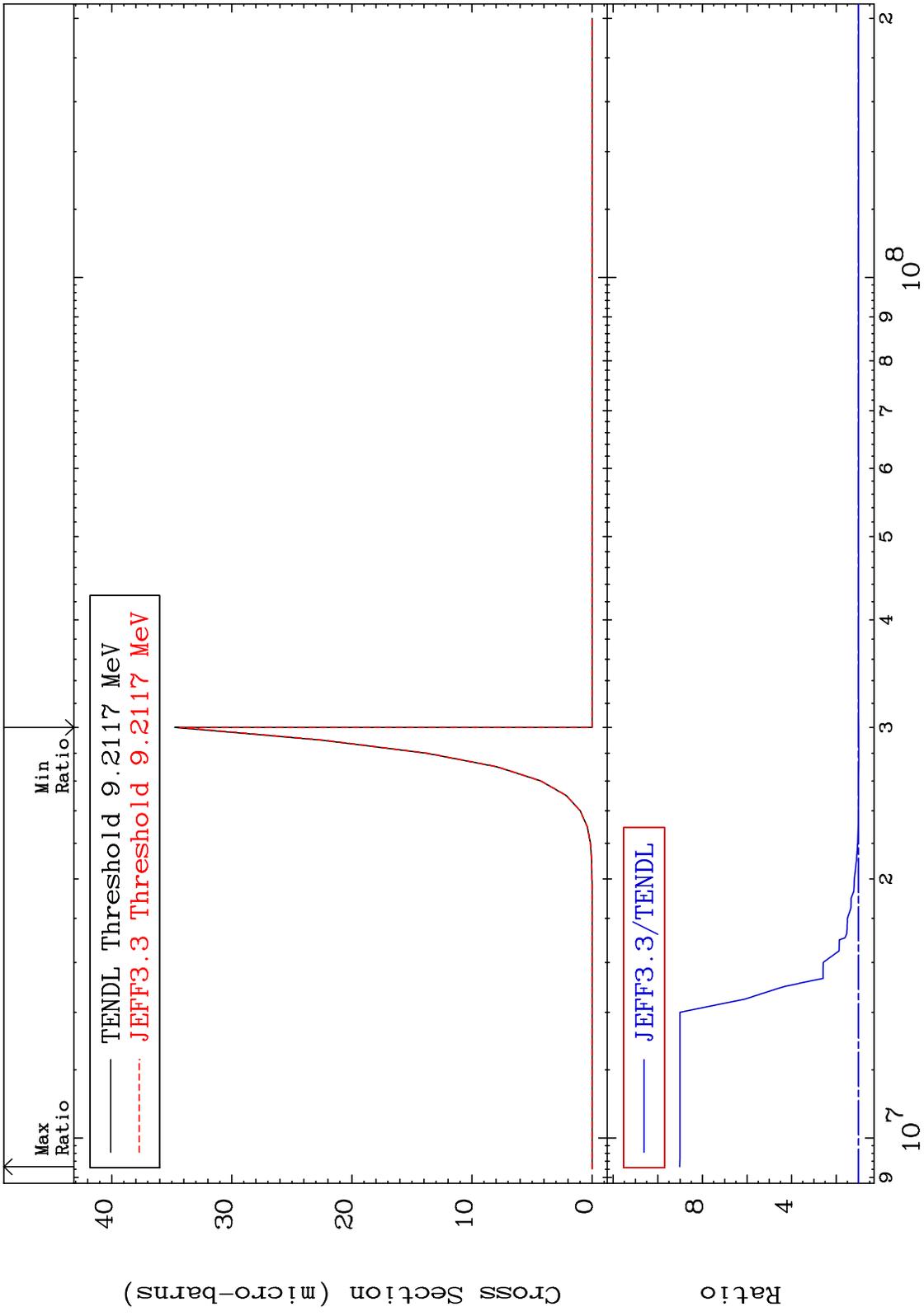


MAT 3440 $(n, 2\alpha)$ $^{34}\text{Se-79}$
 Cross Section -2.187 To 1492. %

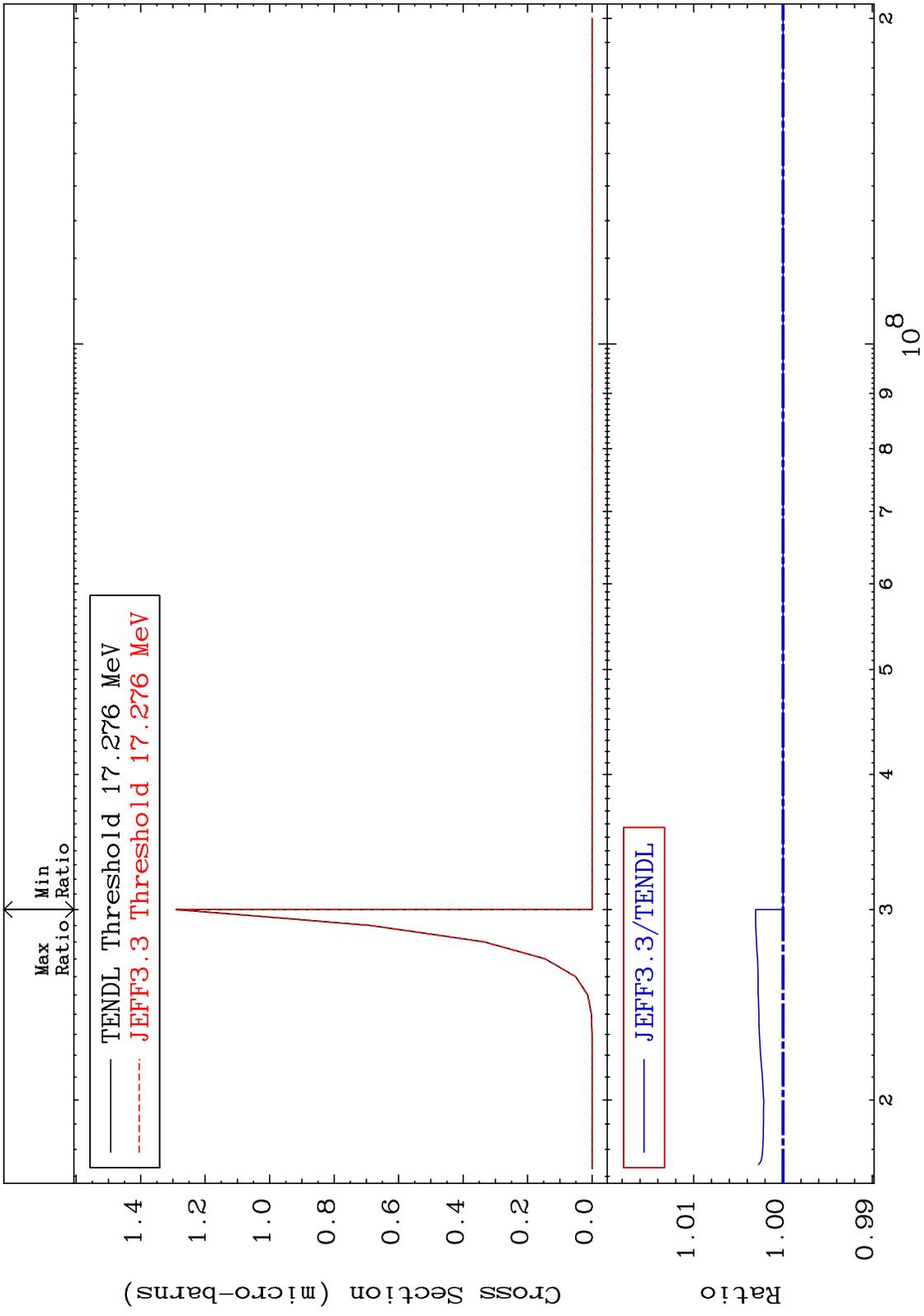




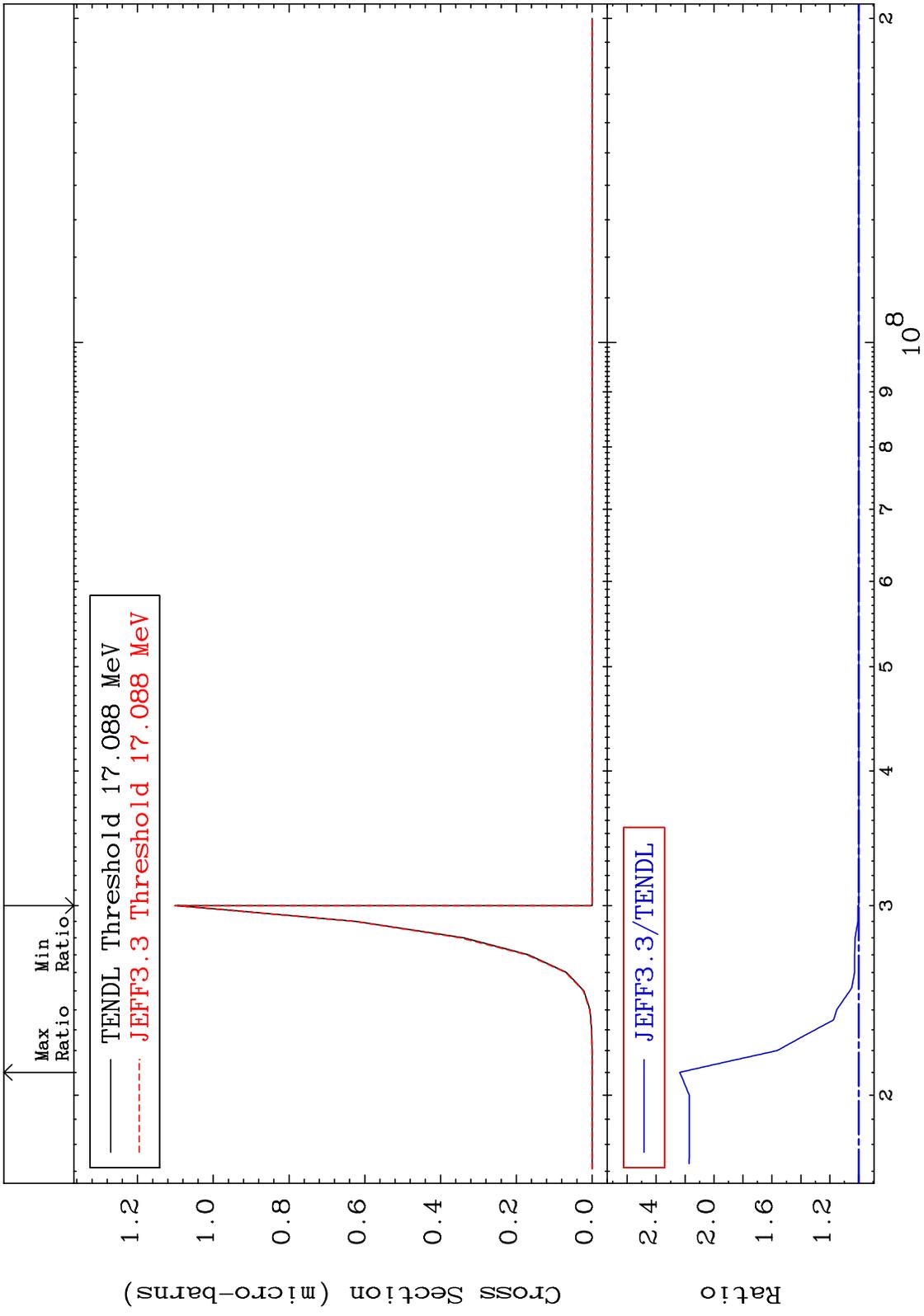
MAT 3440 $(n,p) \alpha$ $^{34}\text{Se-79}$
 Cross Section $-1.264 \text{ To } 801.7 \%$



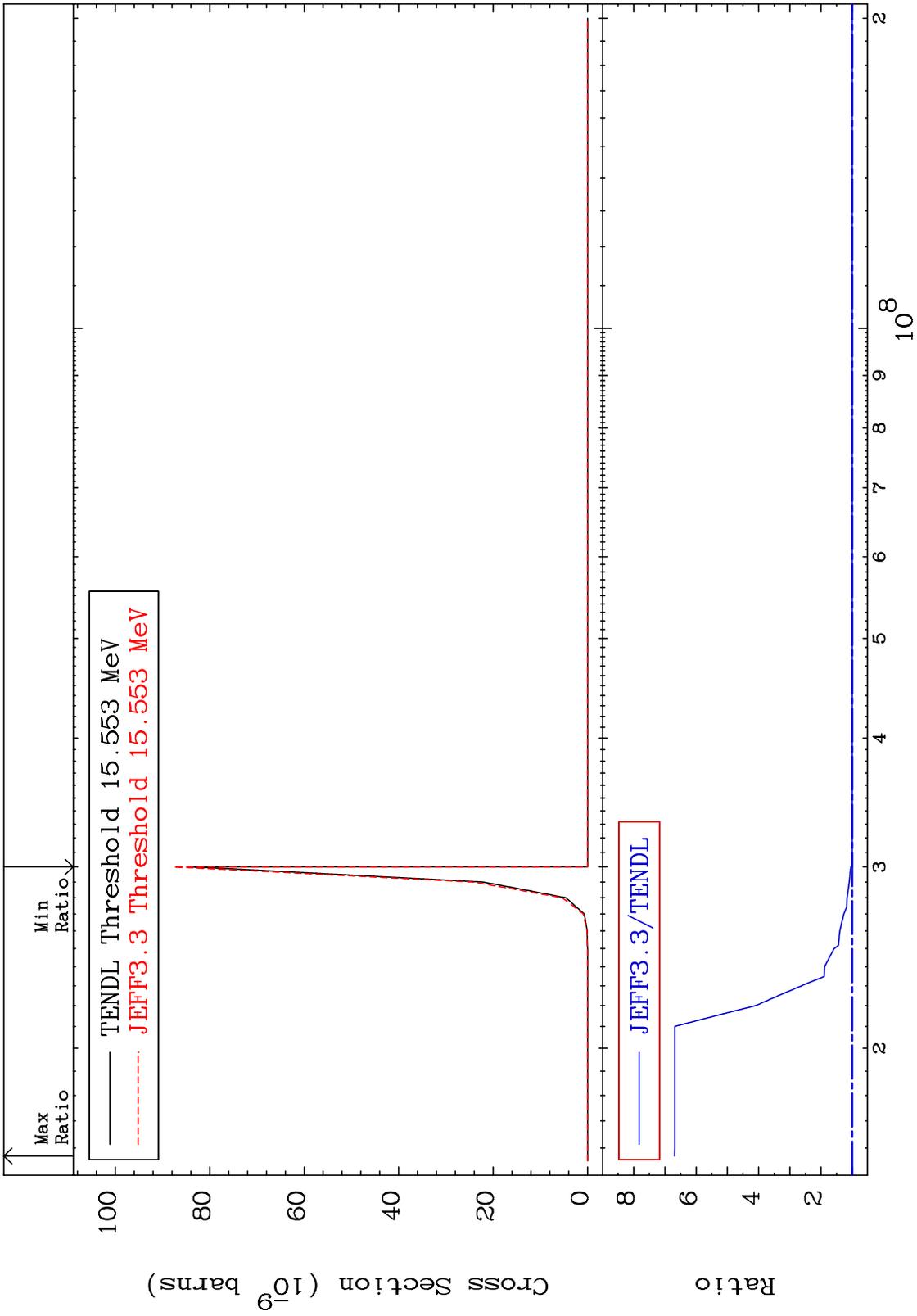
MAT 3440 (n,p) d 34-Se-79
 Cross Section 0.000 To 0.307 %



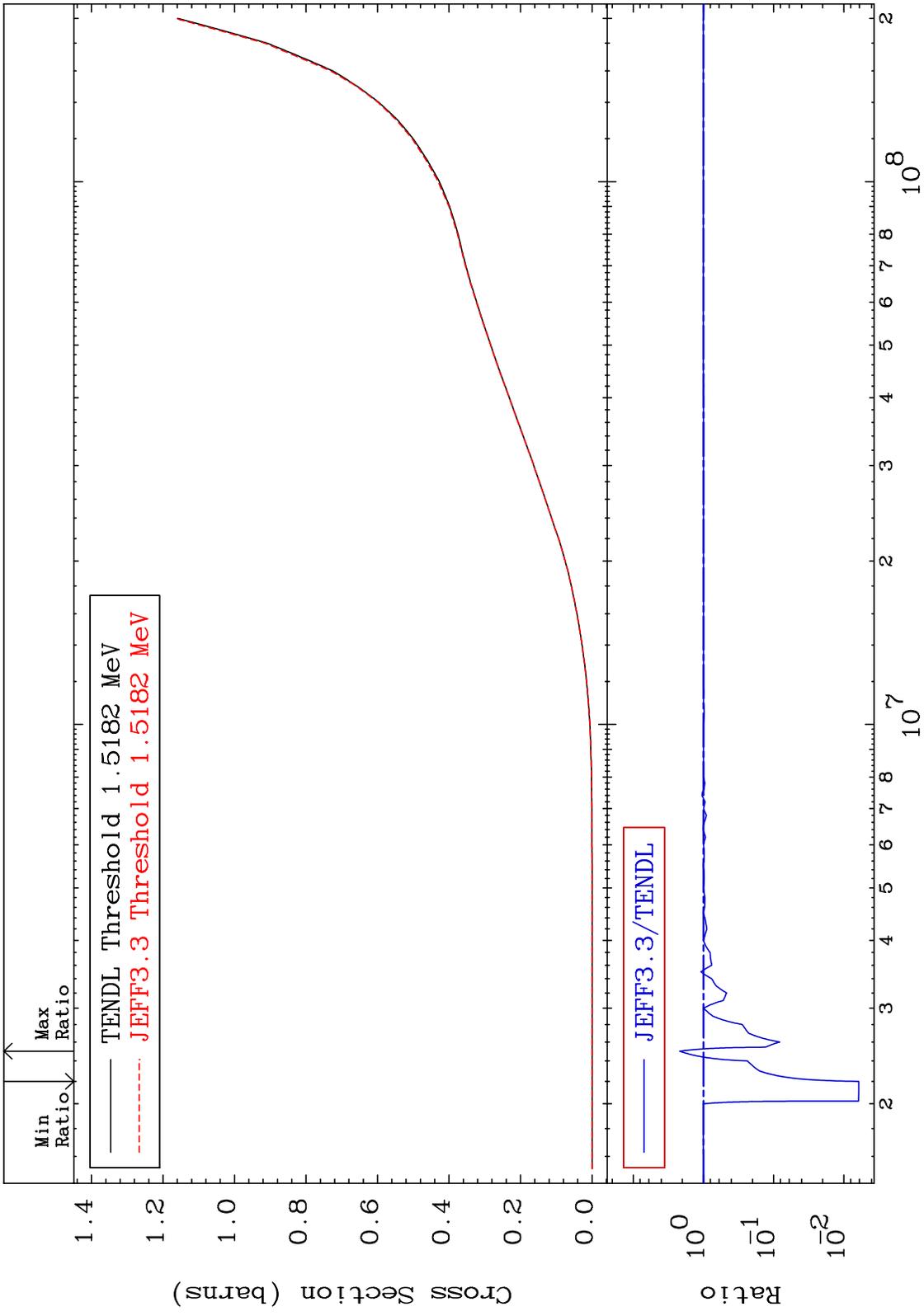
MAT 3440 (n,p) t 34-Se-79
 Cross Section 0.000 To 123.7 %



MAT 3440 (n,d) α 34-Se-79
Cross Section 0.000 To 569.1 %



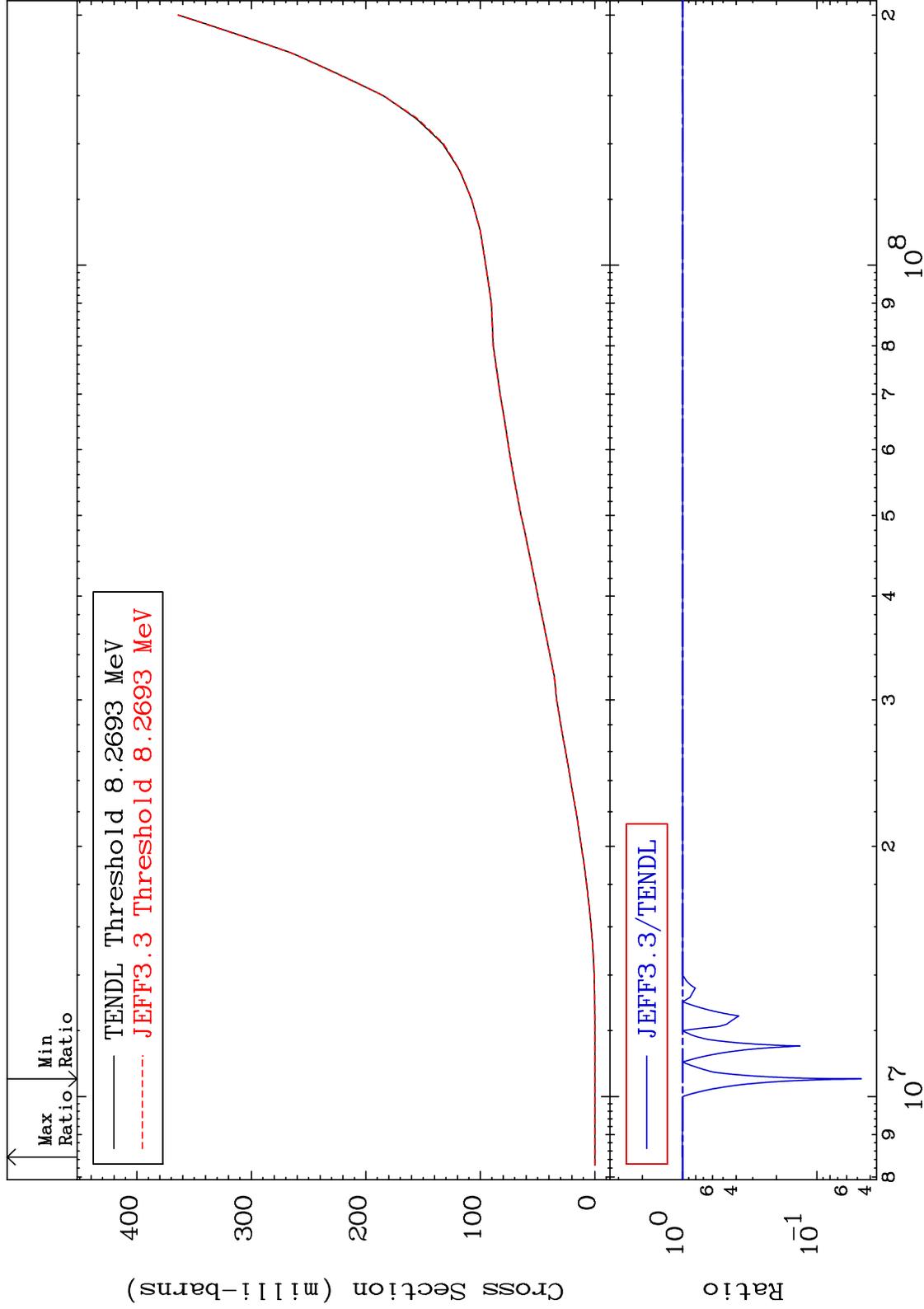
34-Se-79



MAT 3440

Deuterium Production
Cross Section

³⁴Se-79
-95.33 To 0.389 %



64

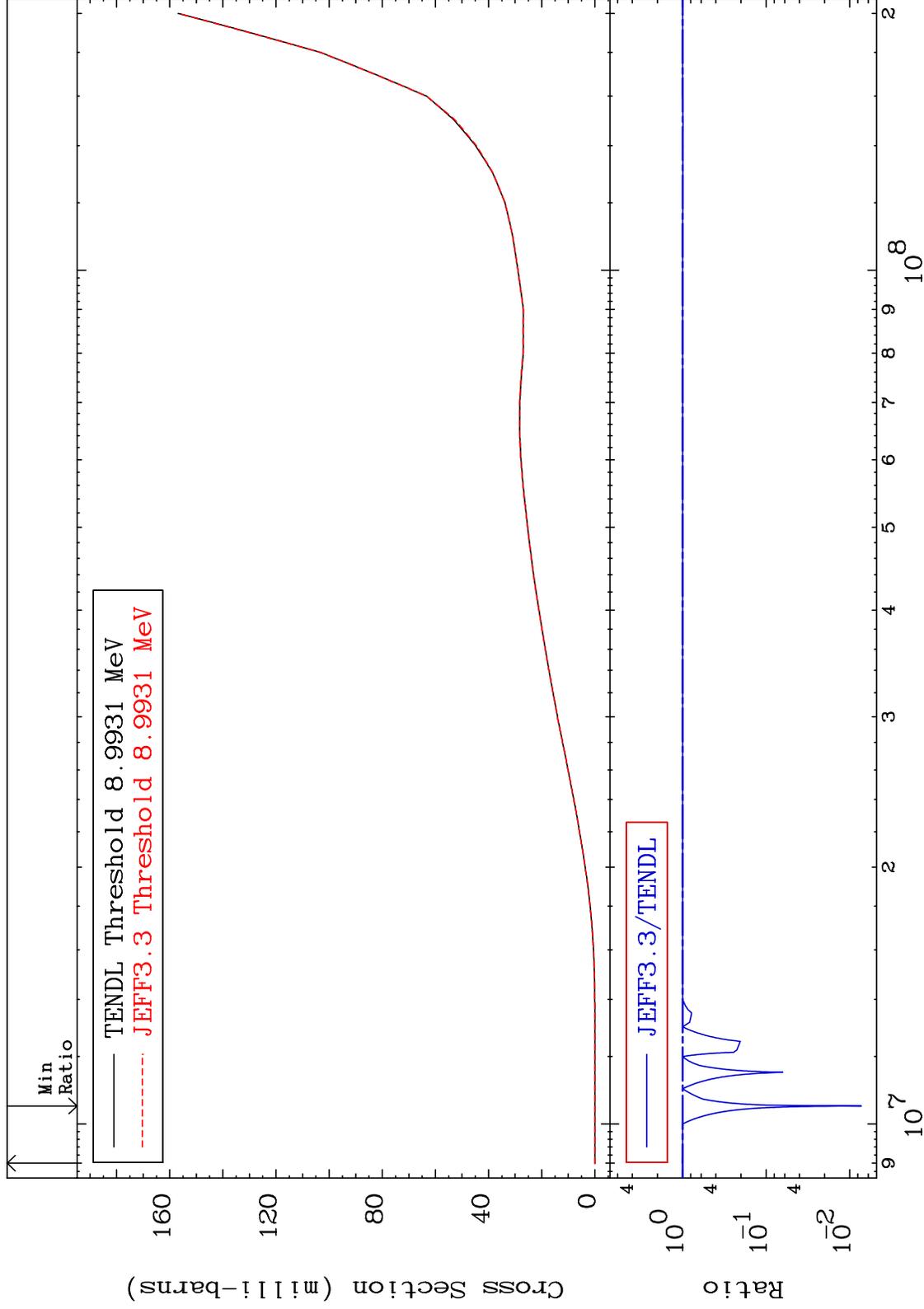
Incident Energy (eV)

³⁴Se-79

MAT 3440

Tritium Production
Cross Section

³⁴Se-79
-99.27 To 0.614 %



65

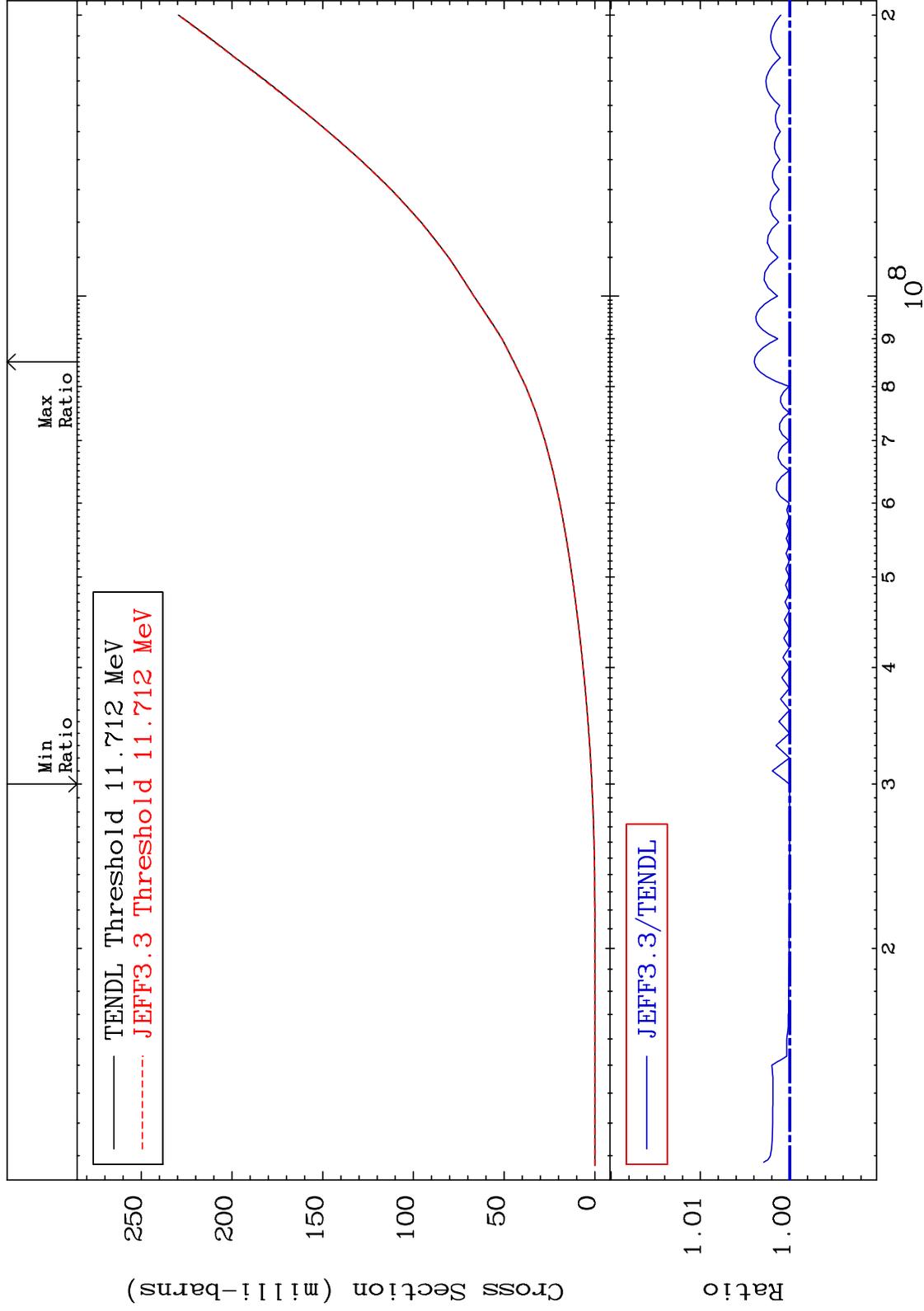
Incident Energy (eV)

³⁴Se-79

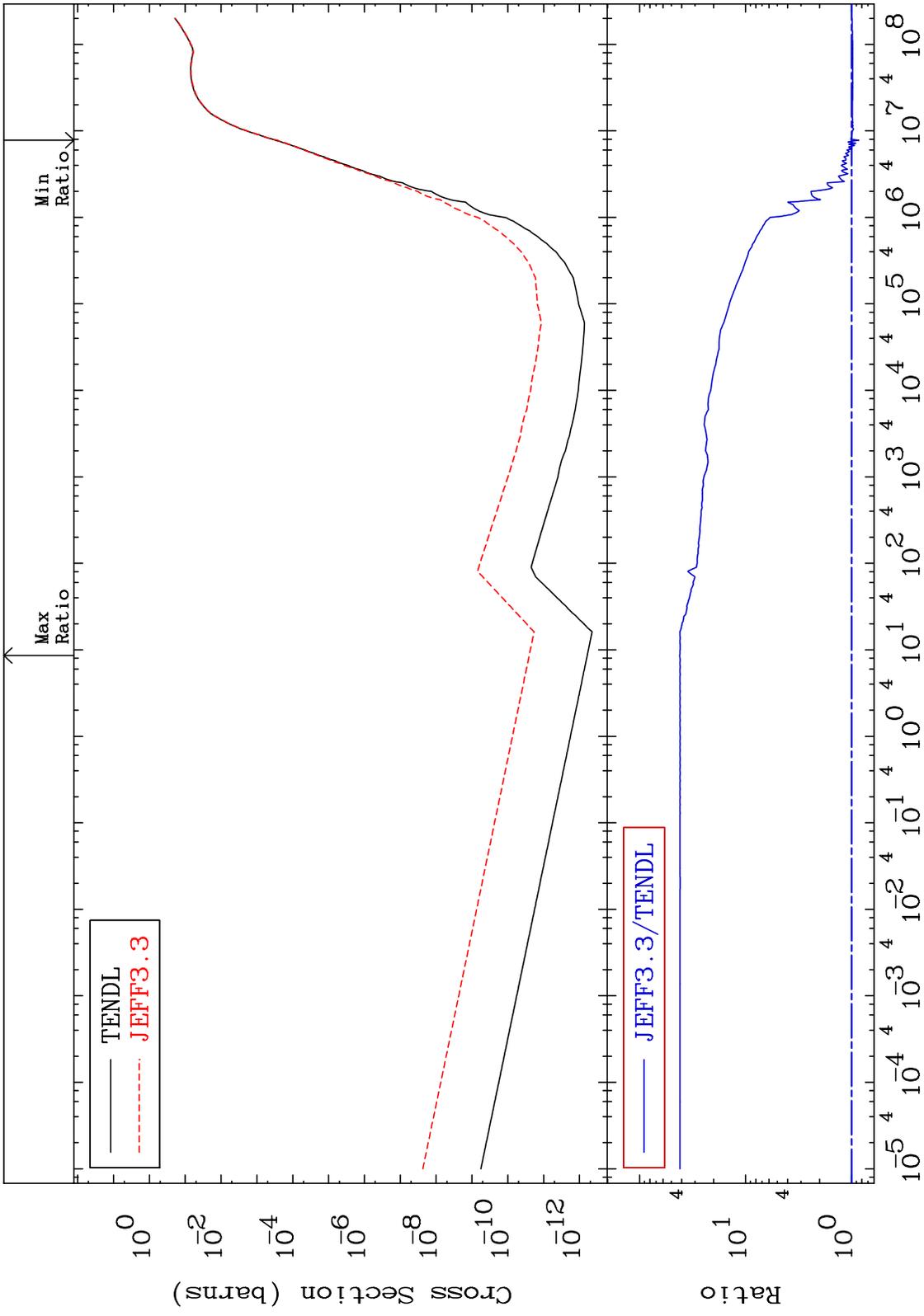
MAT 3440

He-3 Production
Cross Section

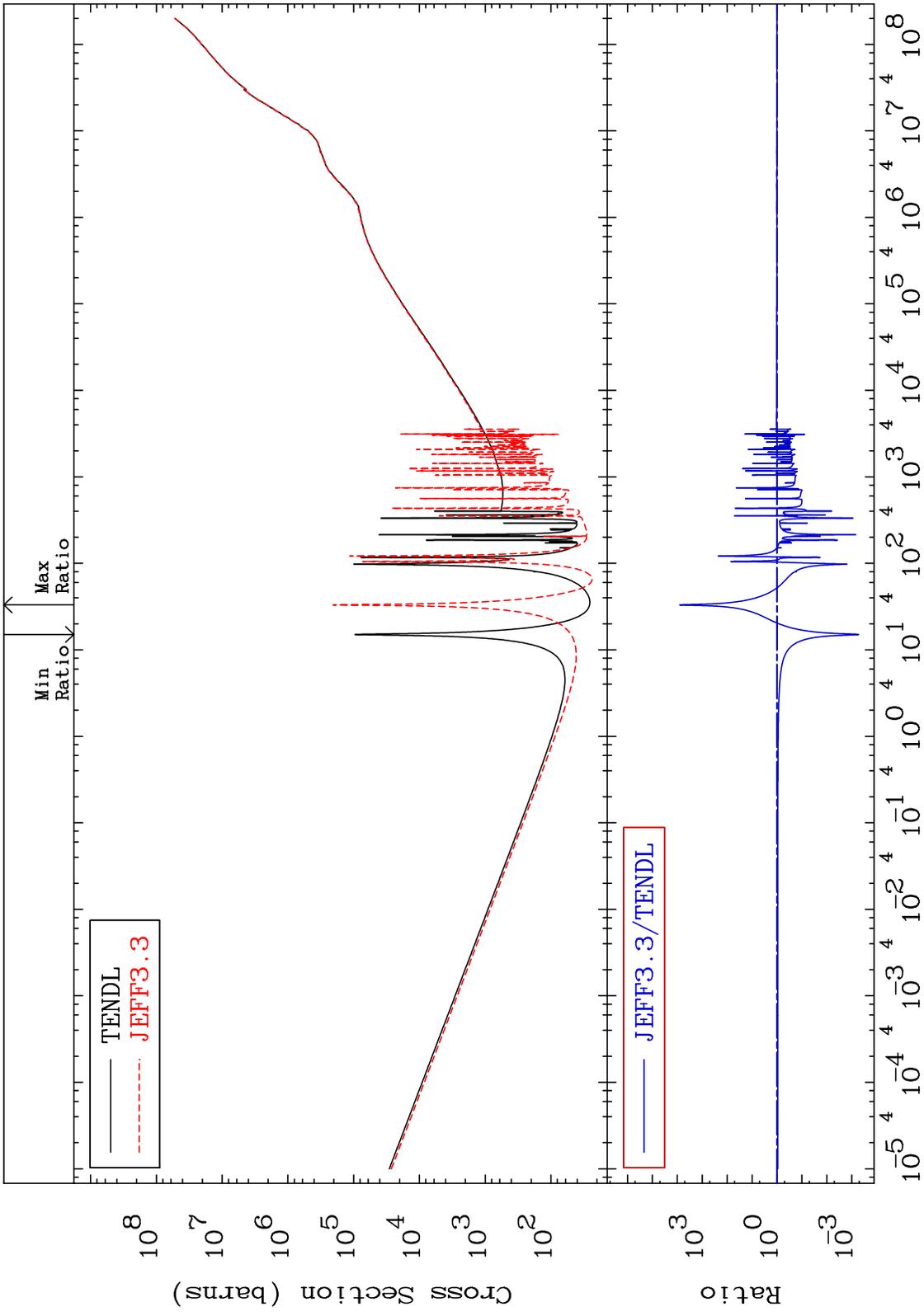
34-Se-79
To 0.397 %



MAT 3440 He-4 Production Cross Section 34-Se-79
 -14.75 To 4075. %



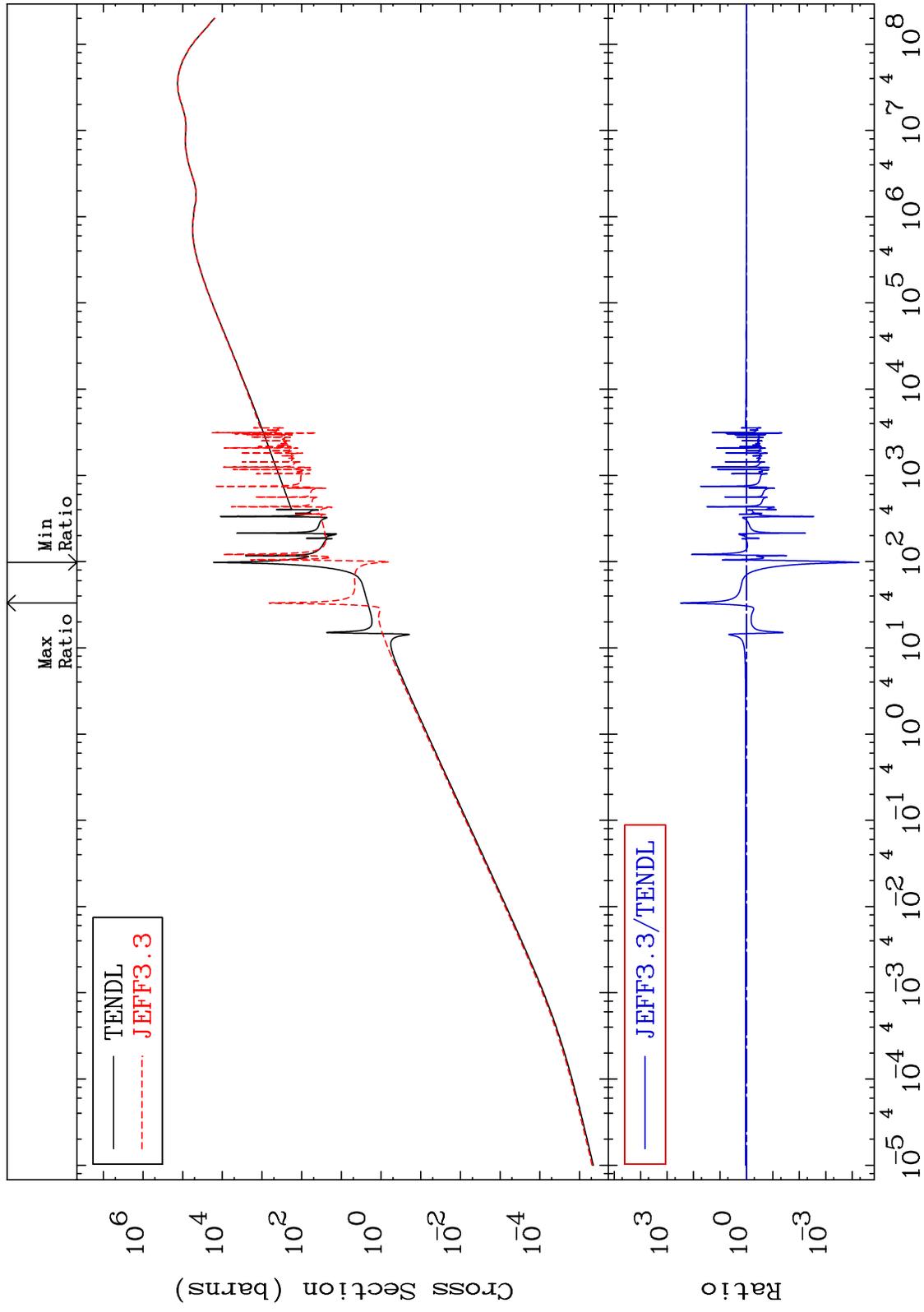
MAT 3440 Kerma total (eV-barns) 34-Se-79
 Cross Section -99.95 To 9999. %



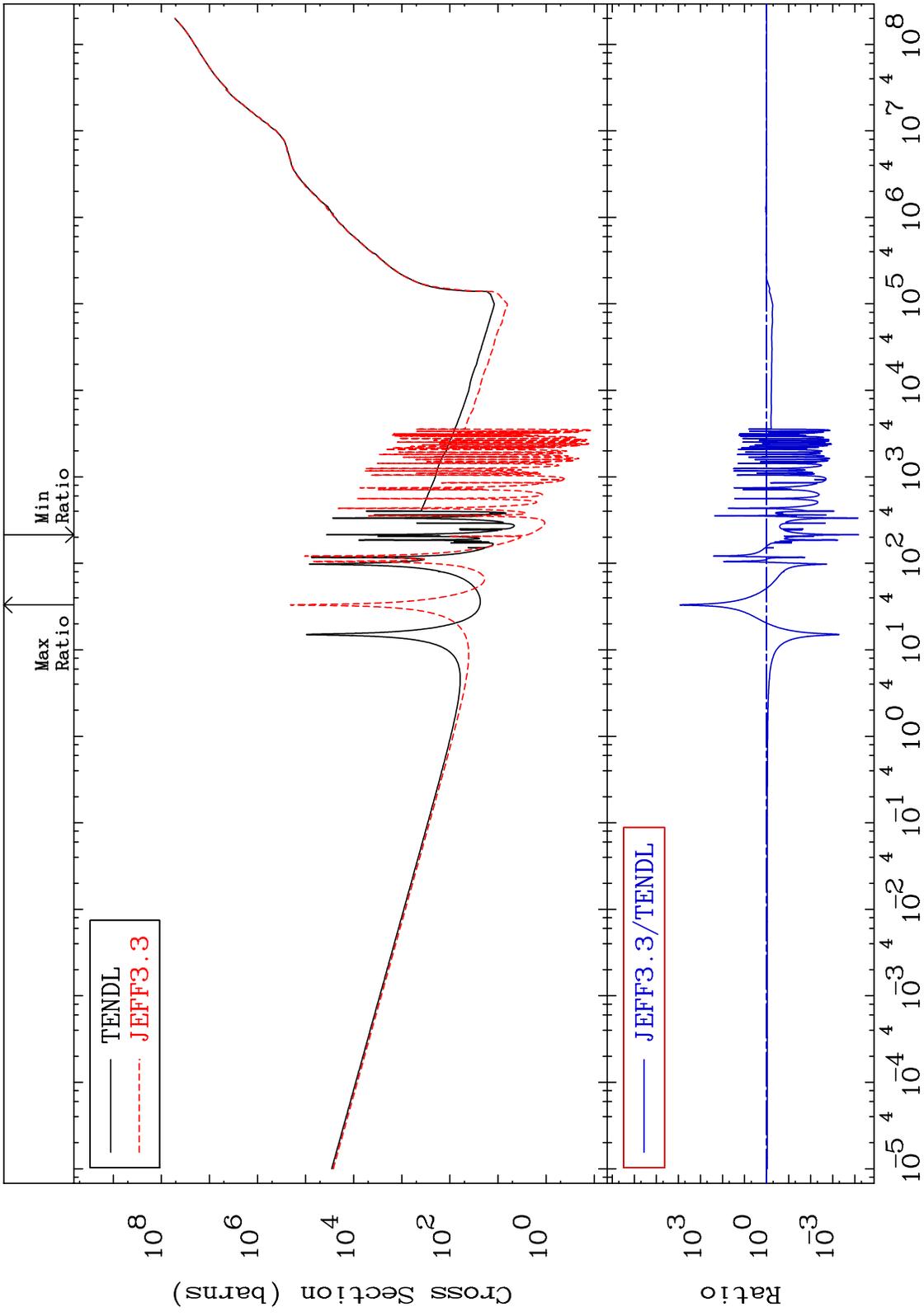
MAT 3440

Kerma elastic
Cross Section

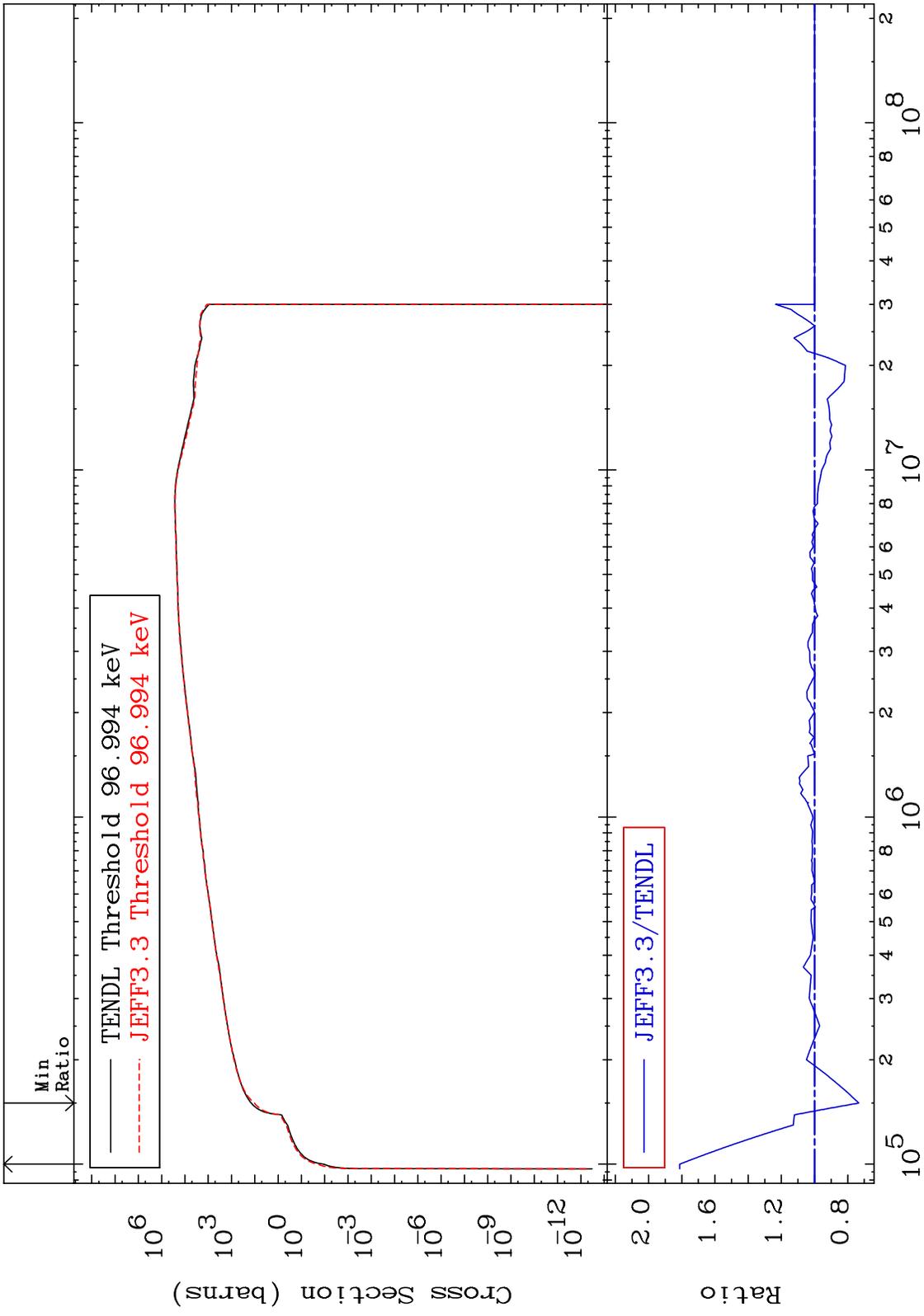
34-Se-79
-99.99 To 9999. %



MAT 3440 Kerma non-elastic (all but mt2) Cross Section 34-Se-79
 -99.99 To 9999. %



MAT 3440 Kerma inelastic (mt51-91) 34-Se-79
 Cross Section -26.69 To 81.23 %

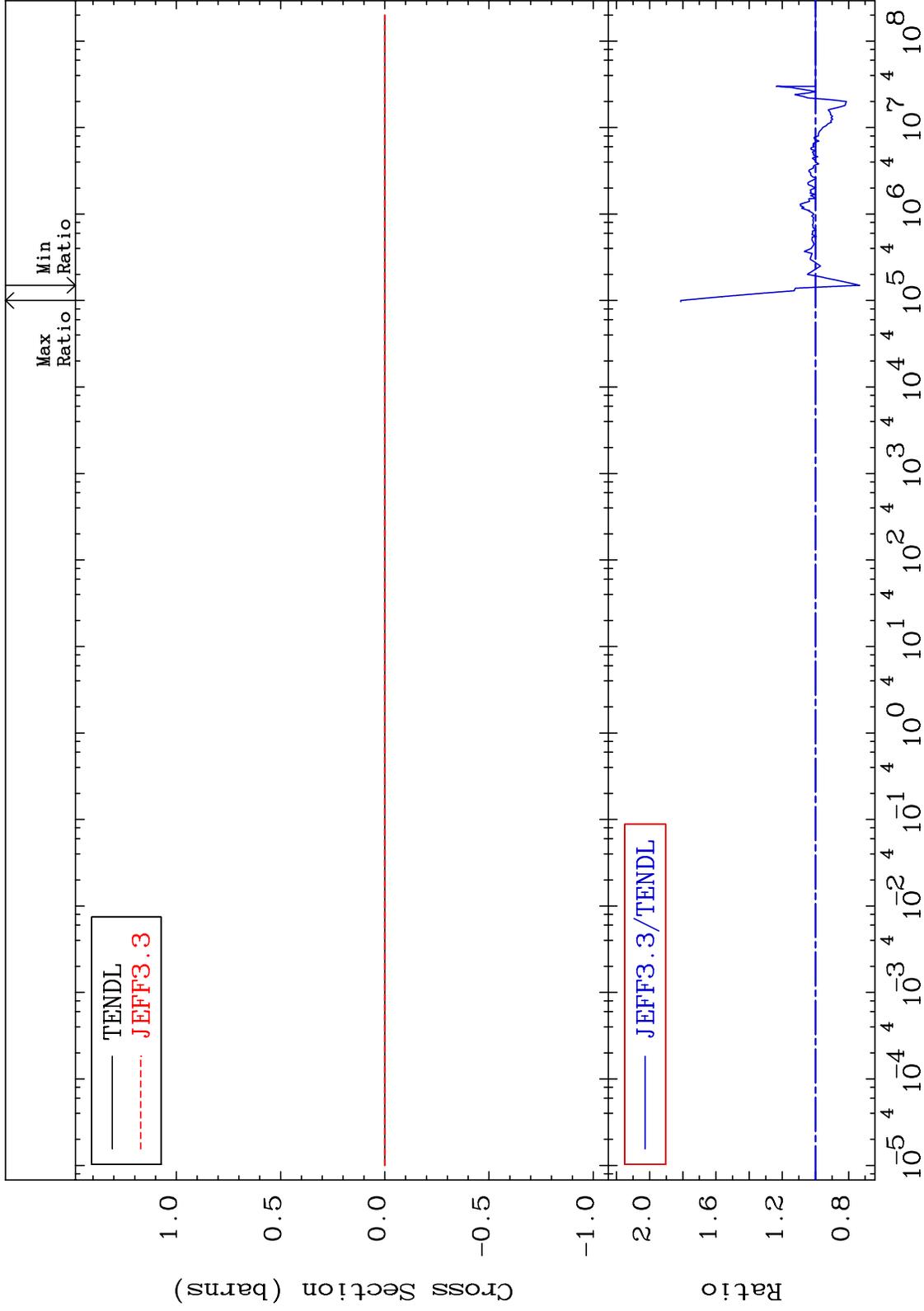


71 Incident Energy (eV) 34-Se-79

MAT 3440

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

34-Se-79
-26.69 To 81.23 %

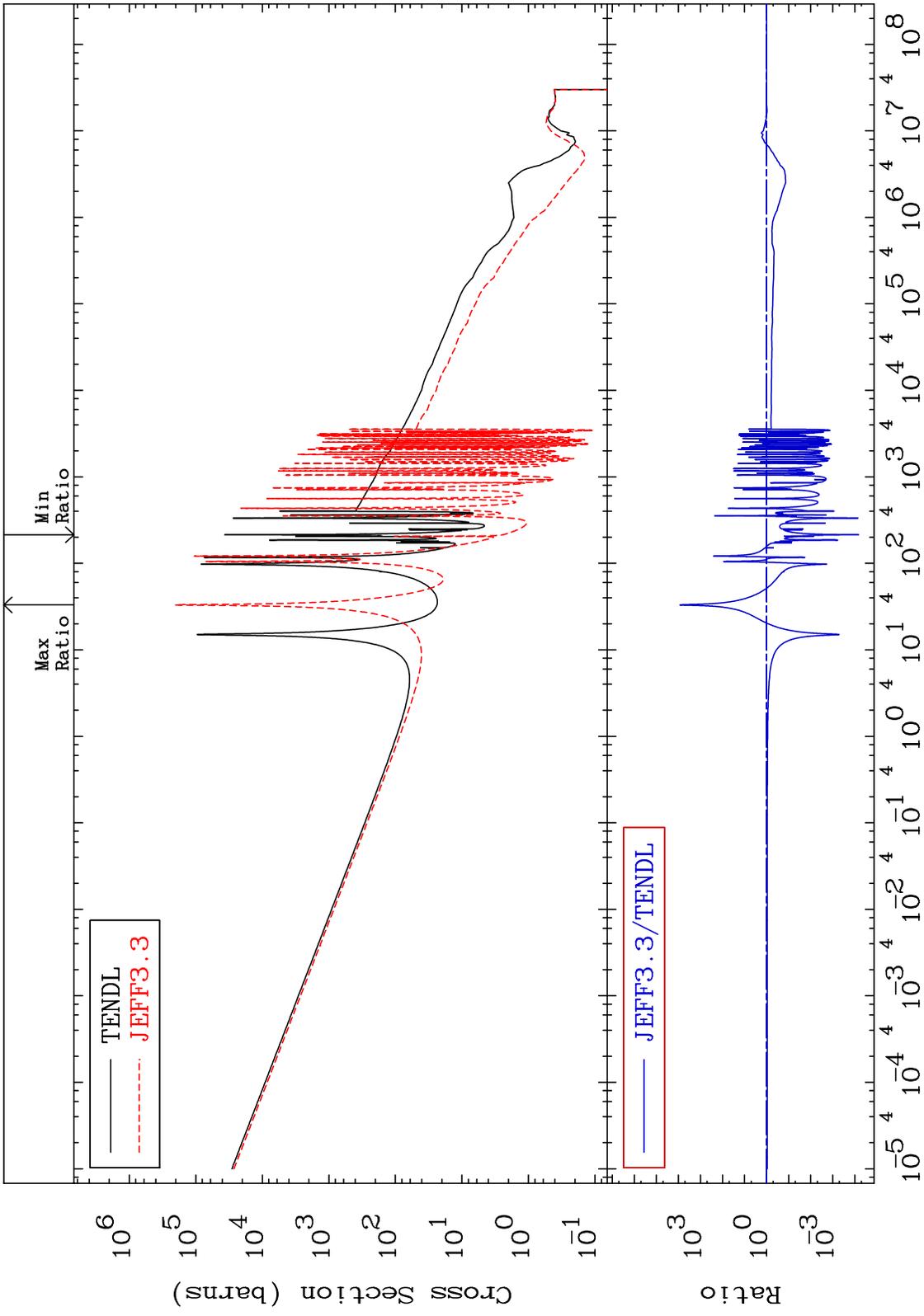


72

Incident Energy (eV)

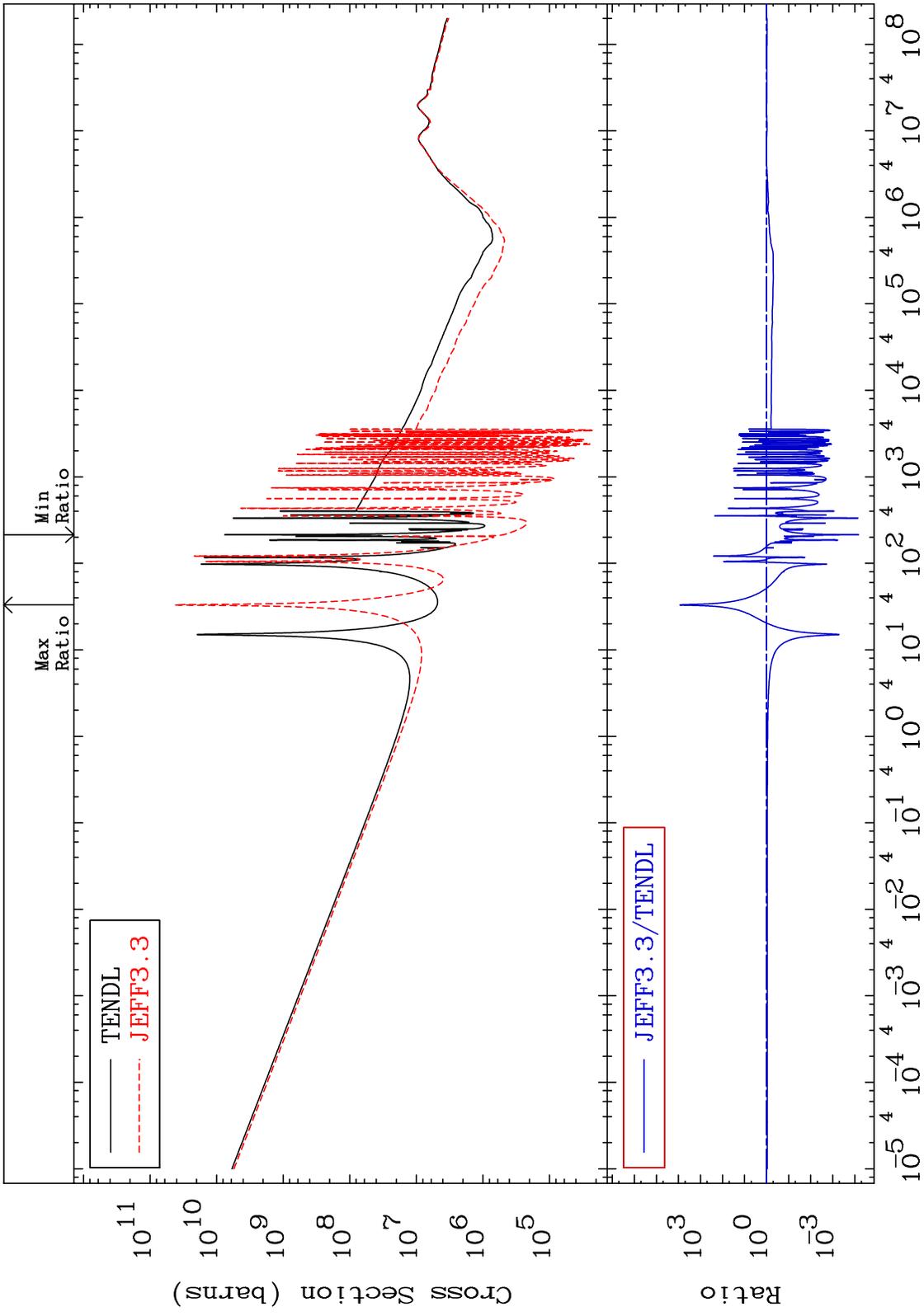
34-Se-79

MAT 3440 Kerma capture (mt102) 34-Se-79
 Cross Section -99.99 To 9999. %



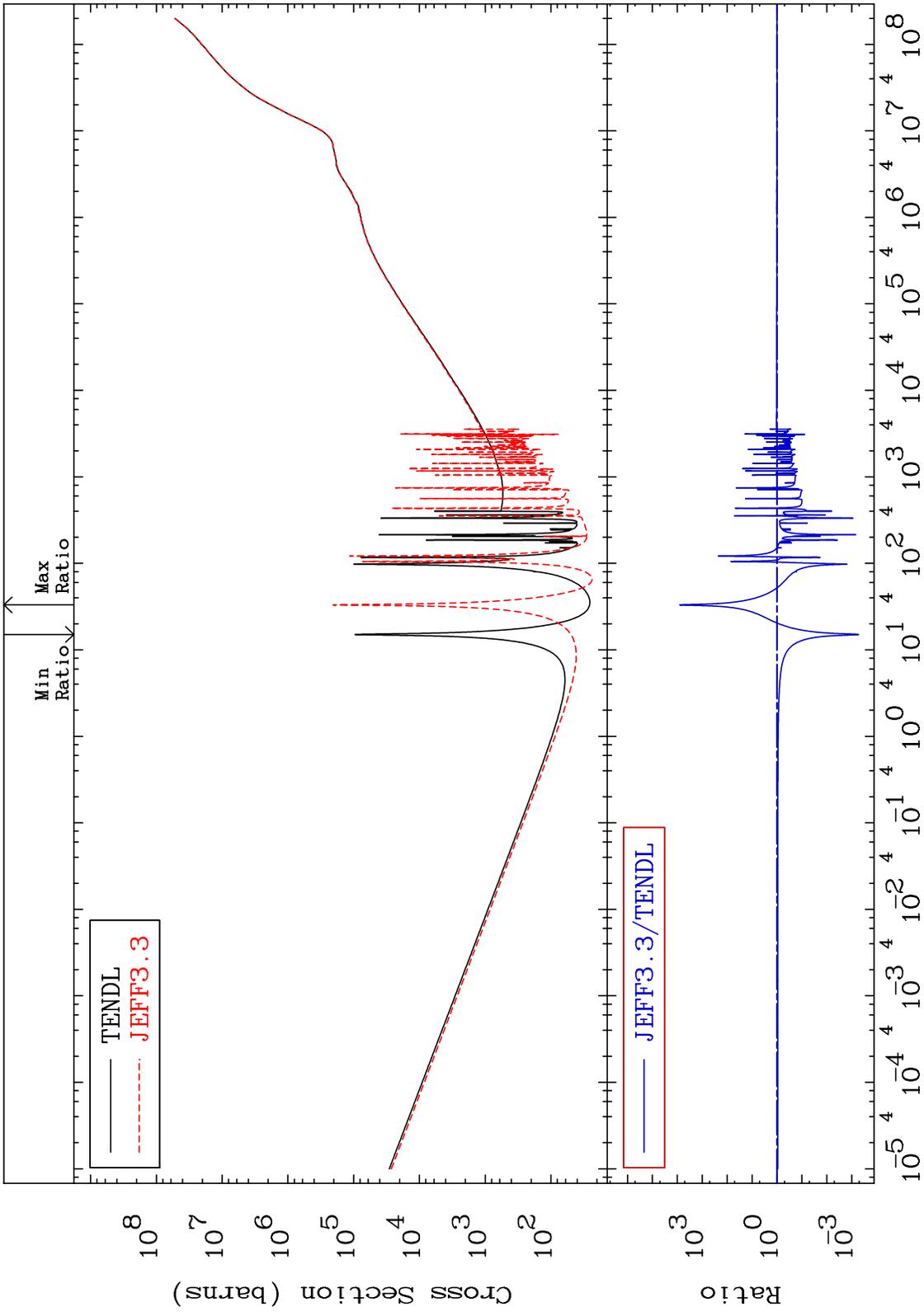
73 Incident Energy (eV) 34-Se-79

MAT 3440 34-Se-79
 Total photon (eV-barns) -99.99 To 9999. %
 Cross Section

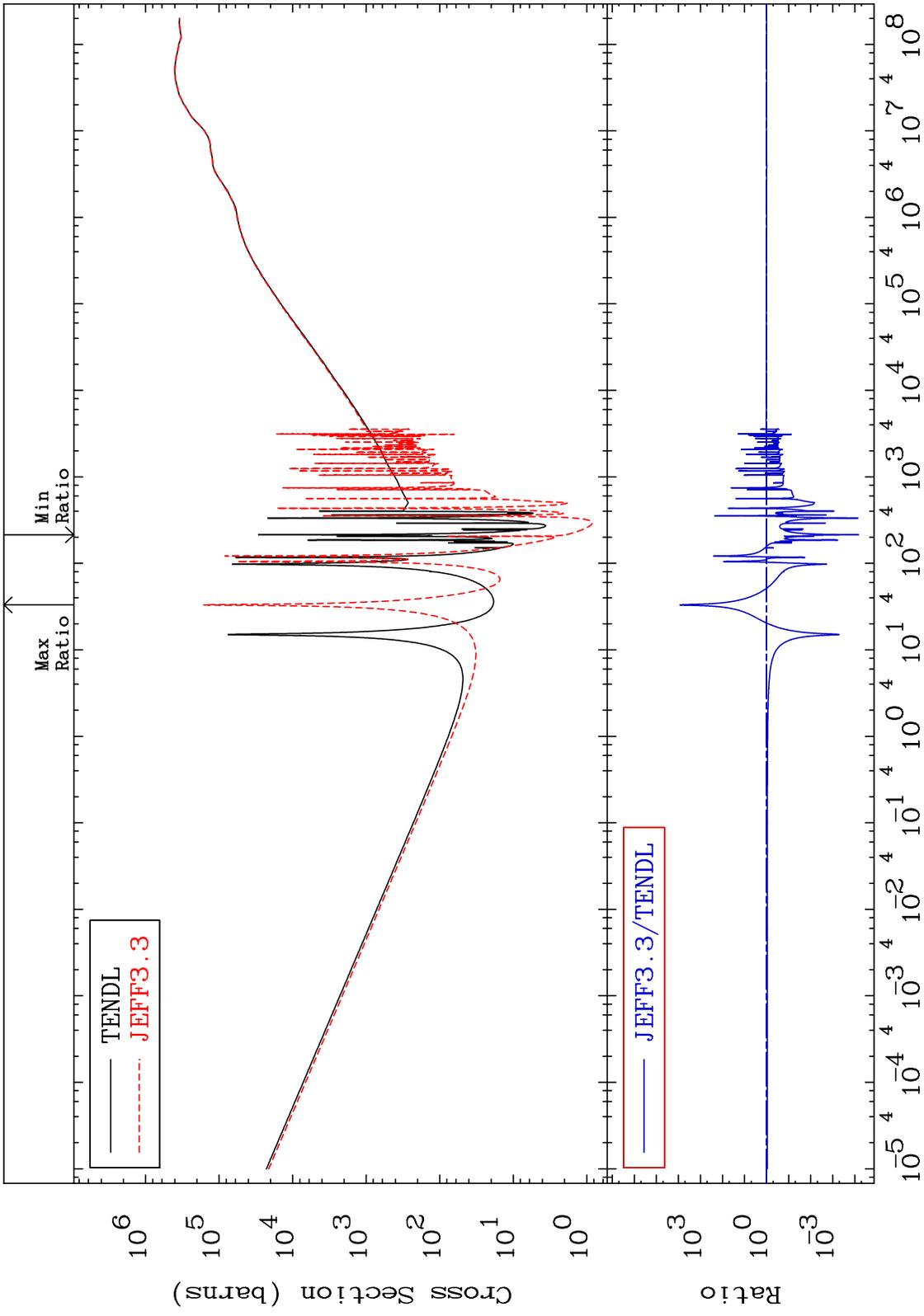


74 34-Se-79

MAT 3440 Total kinematic kerma (high limit) 34-Se-79
Cross Section -99.95 To 9999. %



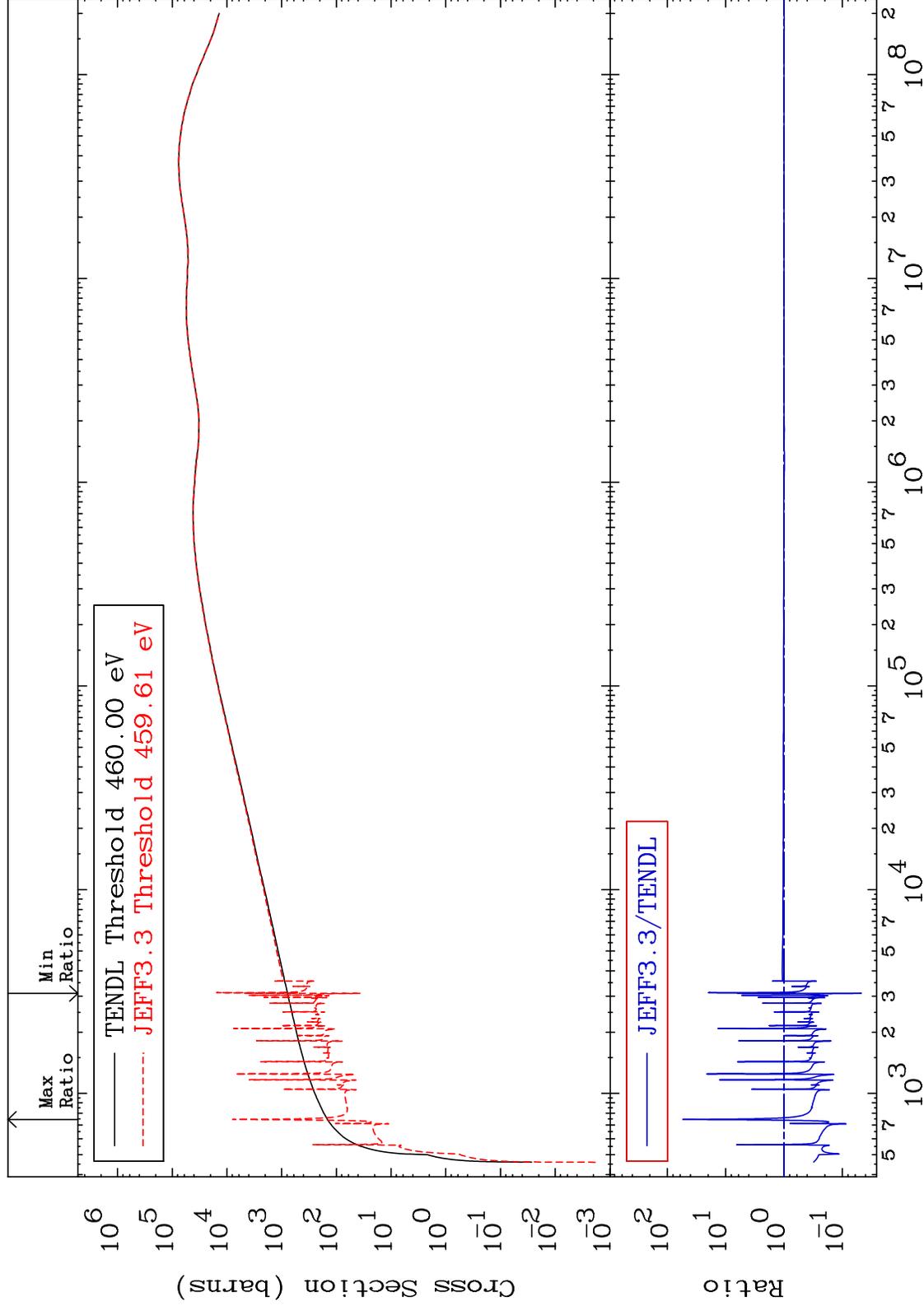
MAT 3440 Dpa total (eV-barns) 34-Se-79
 Cross Section -99.99 To 9999. %



MAT 3440

Dpa elastic (mt2)
Cross Section

34-Se-79
-95.29 To 5365. %

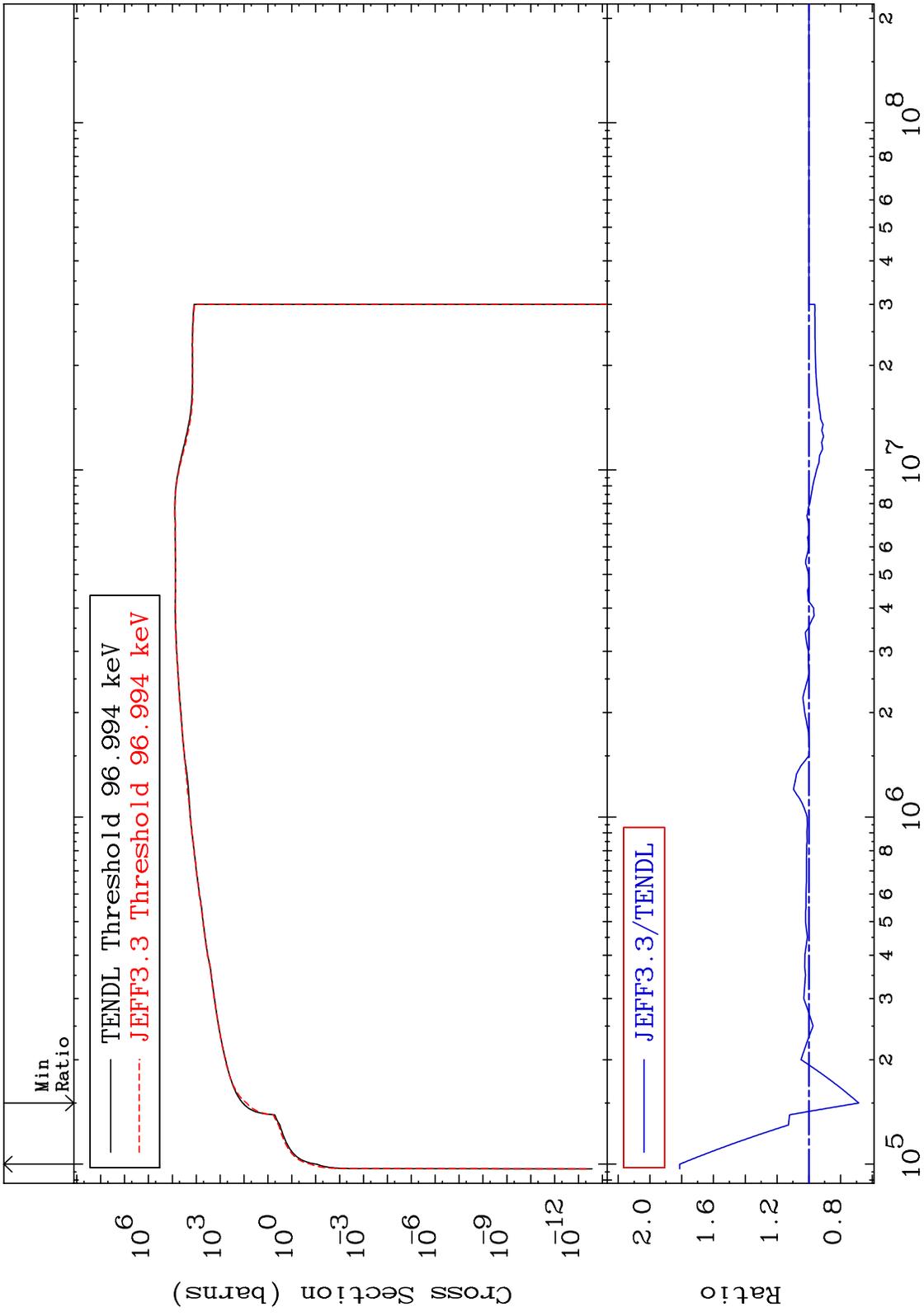


77

34-Se-79

34-Se-79

MAT 3440 Dpa inelastic (mt51-91) 34-Se-79
 Cross Section -31.47 To 81.23 %

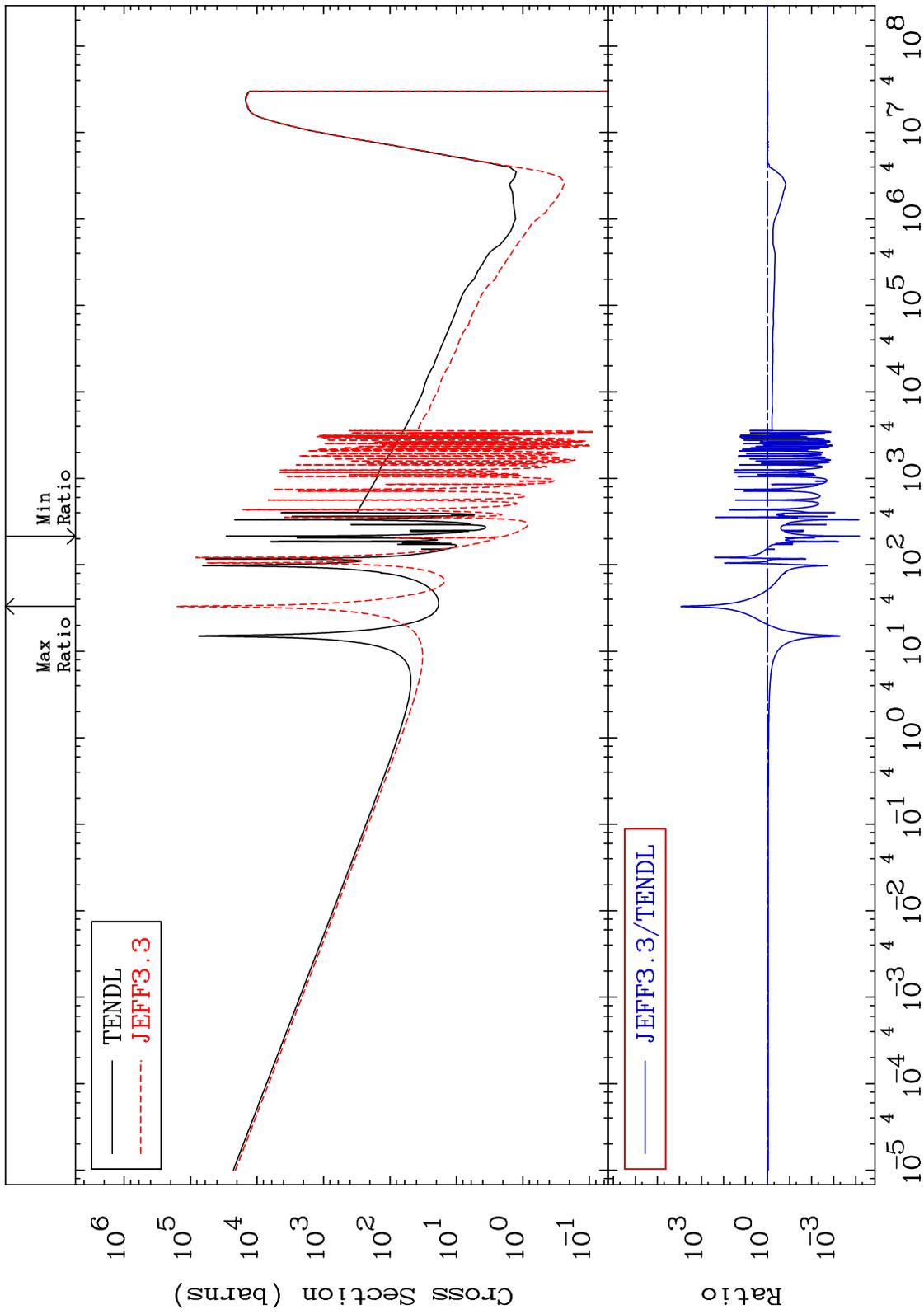


78 Incident Energy (eV) 34-Se-79

MAT 3440

Dpa disappearance (mt102 -120)
Cross Section

34-Se-79
-99.99 To 9999. %

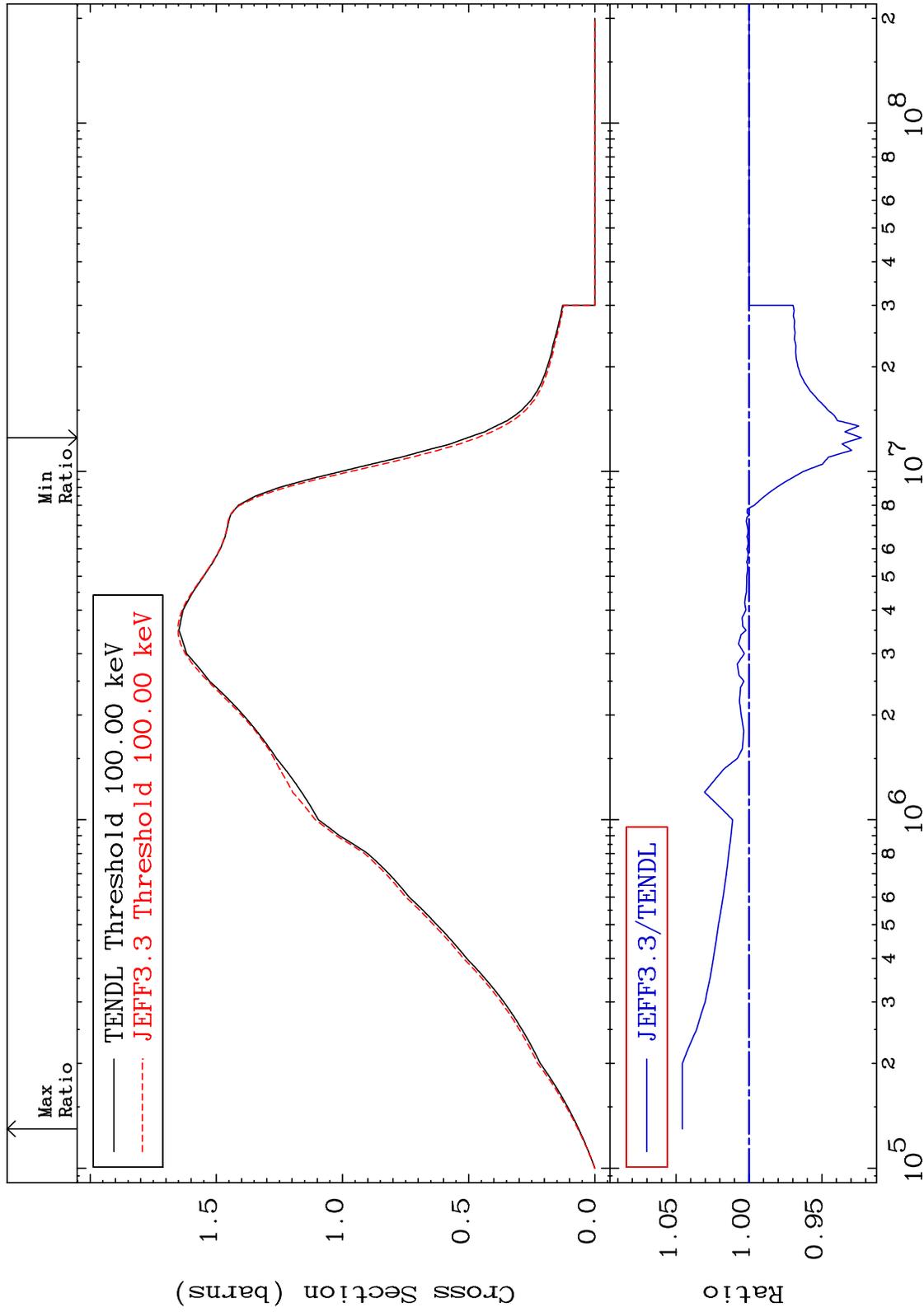


MAT 3440

34-Se-79

Inelastic:34-Se-79g

Radionuclide Production Cross Section -7.706 To 4.564 %

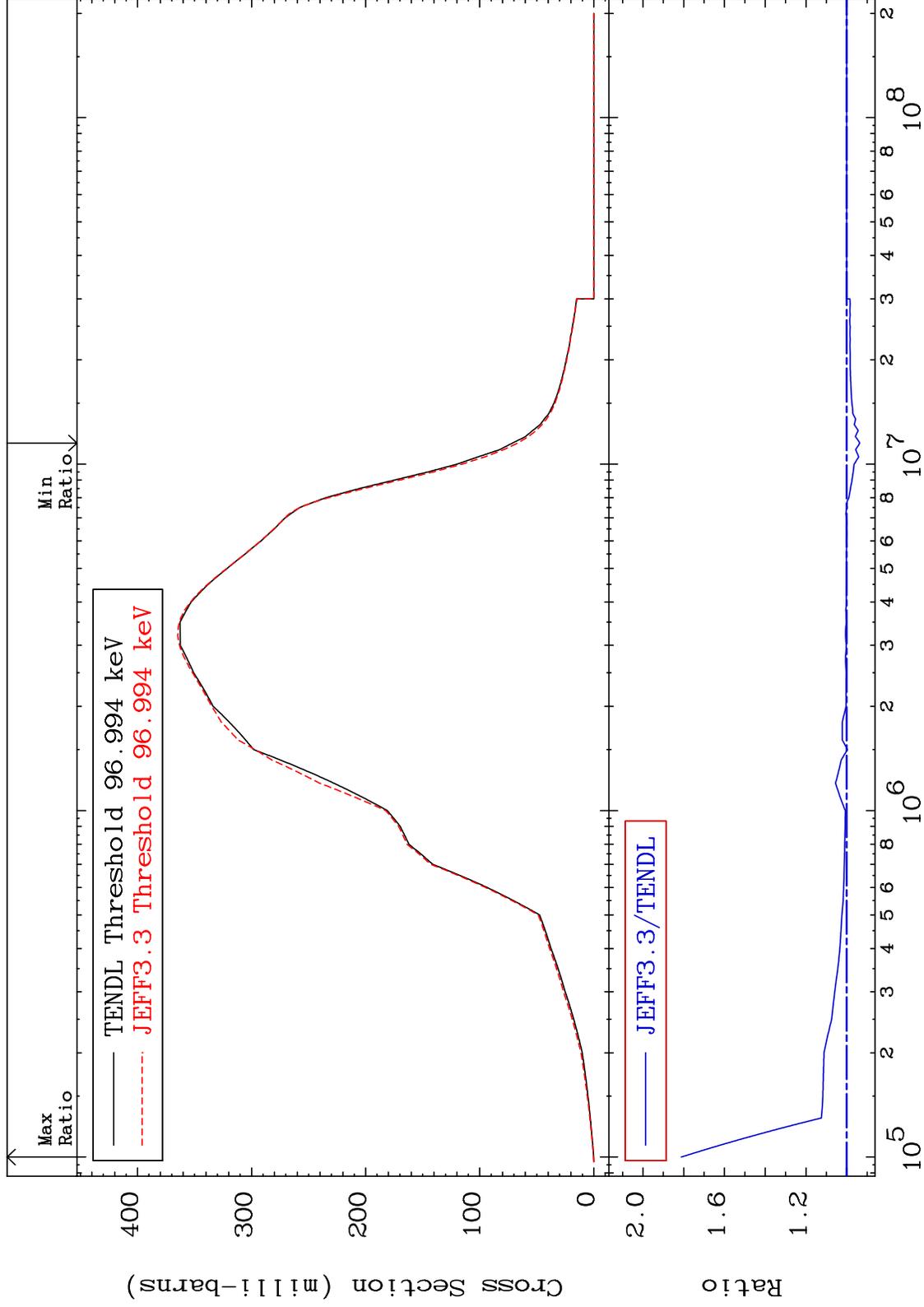


MAT 3440

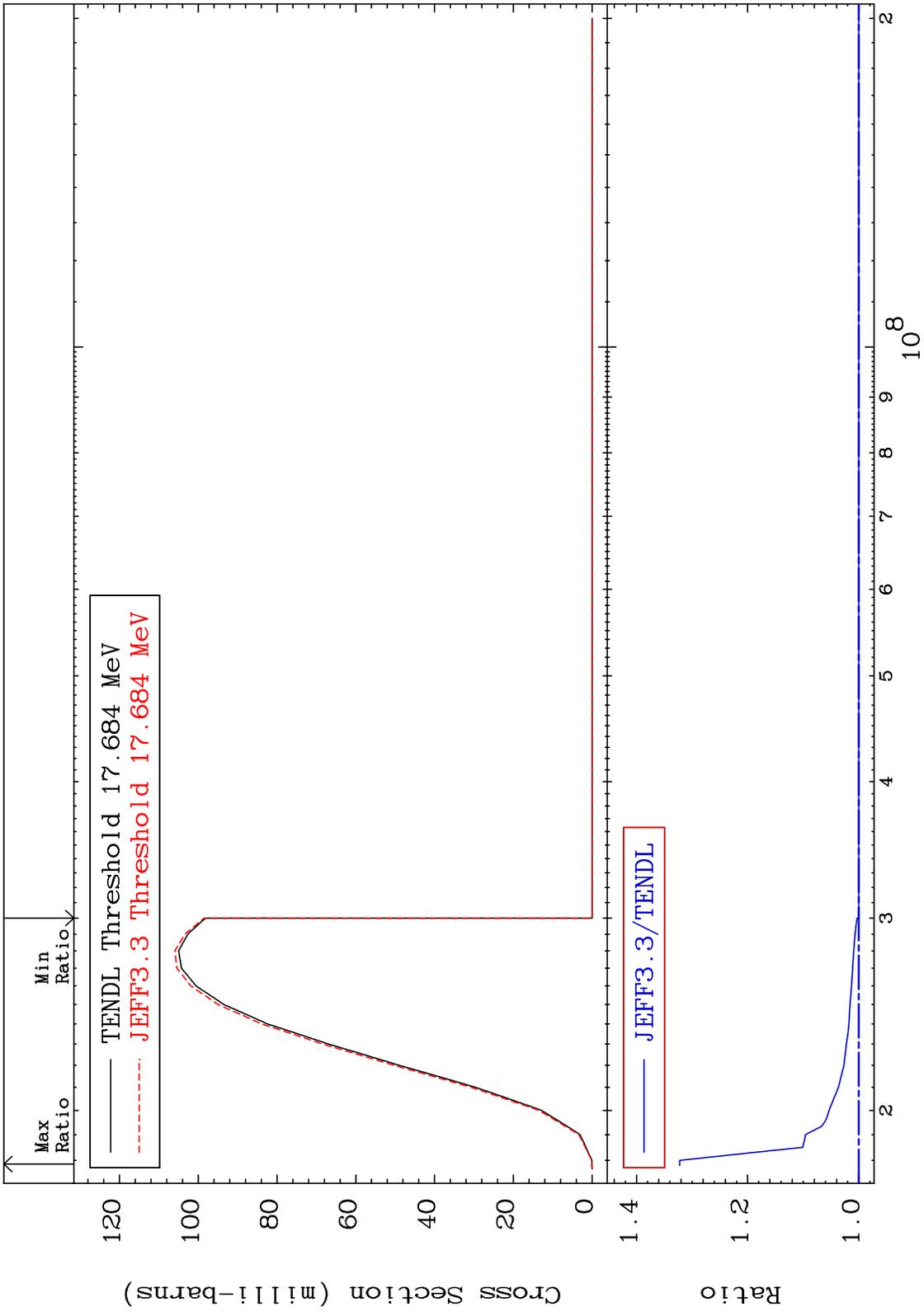
Inelastic: 34-Se-79m1

34-Se-79

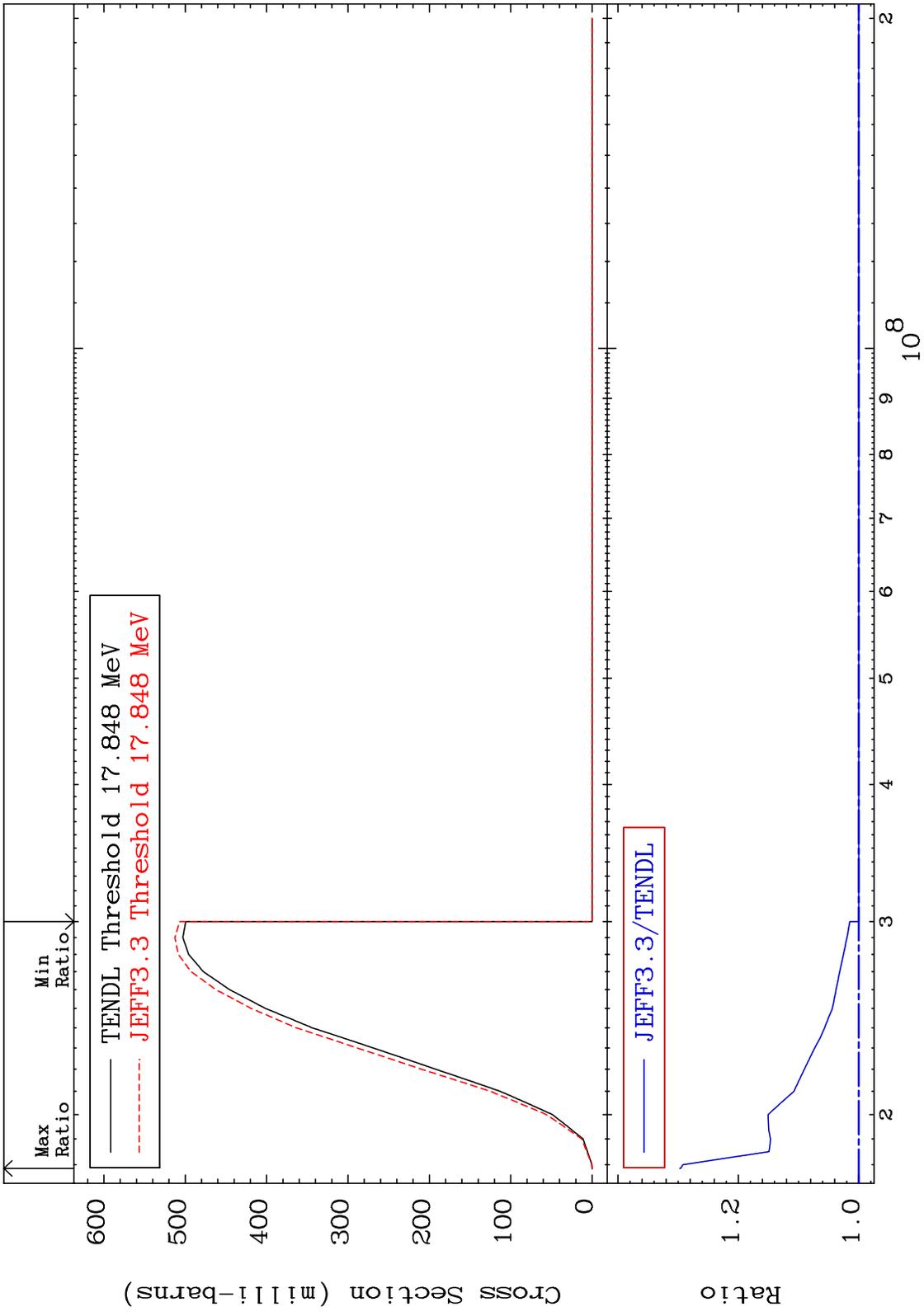
Radionuclide Production Cross Section -6.425 To 81.23 %

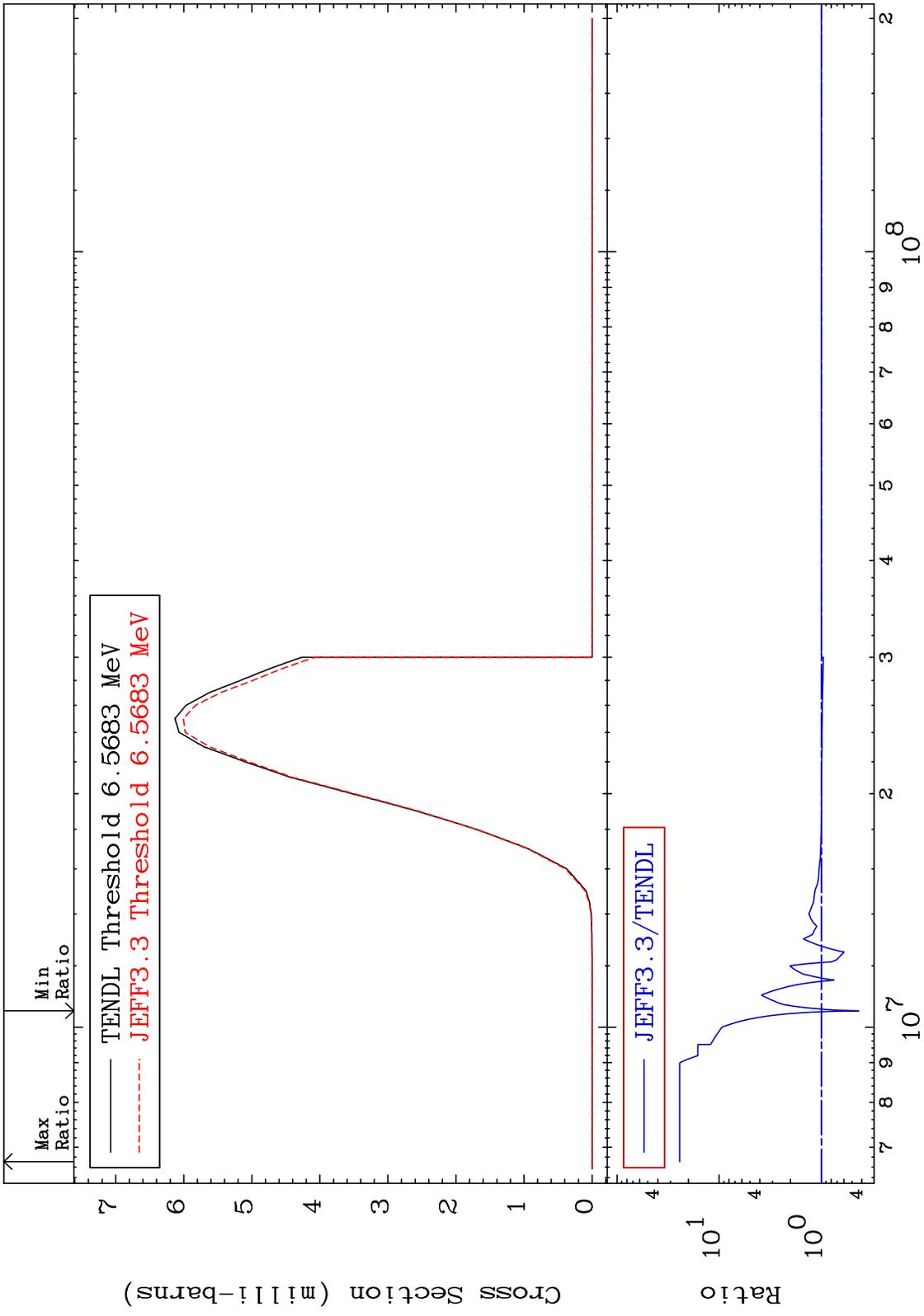


MAT 3440 (n,3n):34-Se-77g 34-Se-79
 Radionuclide Production Cross Section 0.000 To 32.21 %



MAT 3440 (n,3n):34-Se-77m1 34-Se-79
 Radionuclide Production Cross Section 0.000 To 29.72 %



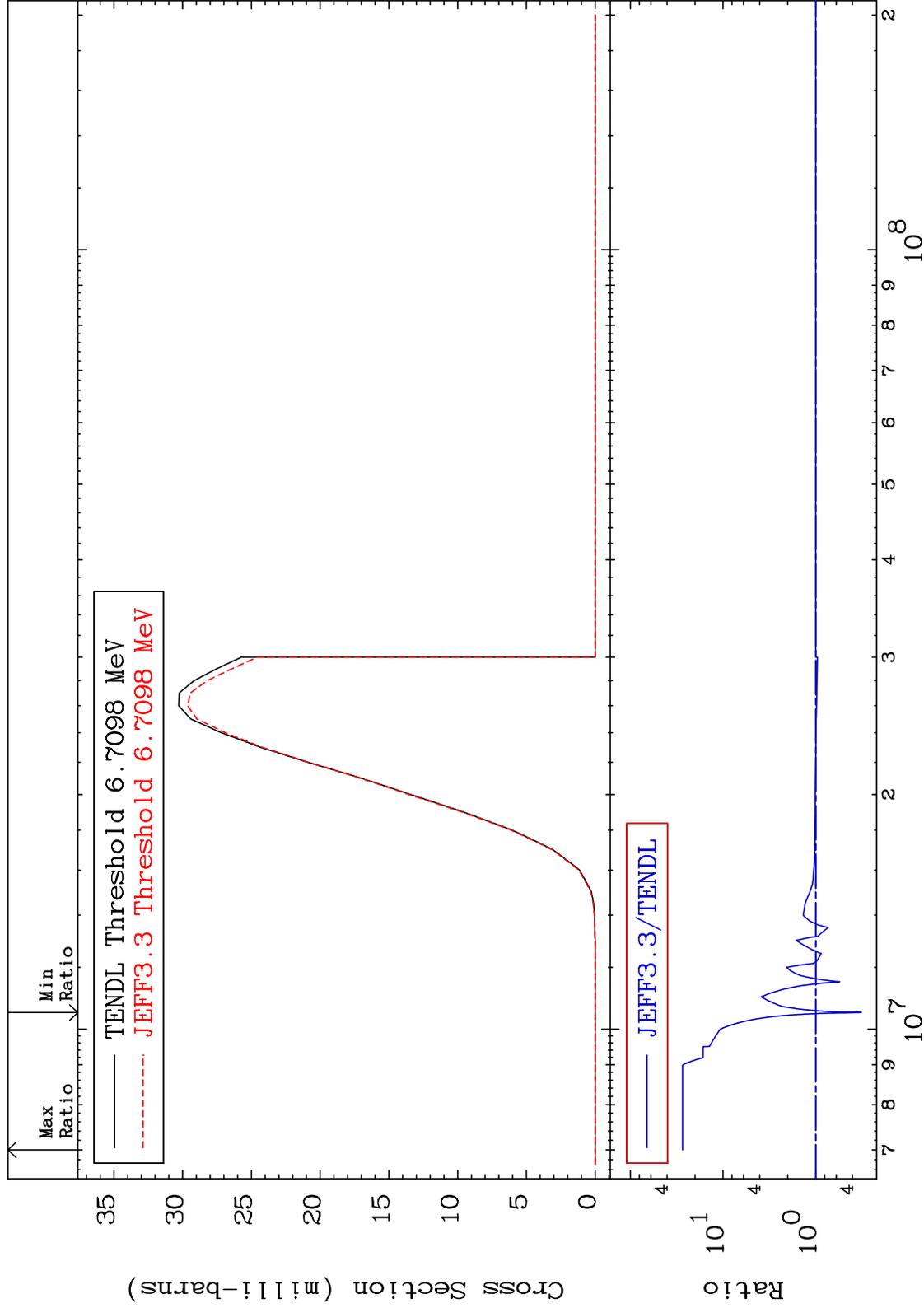


MAT 3440

(n, n') α : 32-Ge-75m2

34-Se-79

Radionuclide Production Cross Section -67.95 To 2620. %

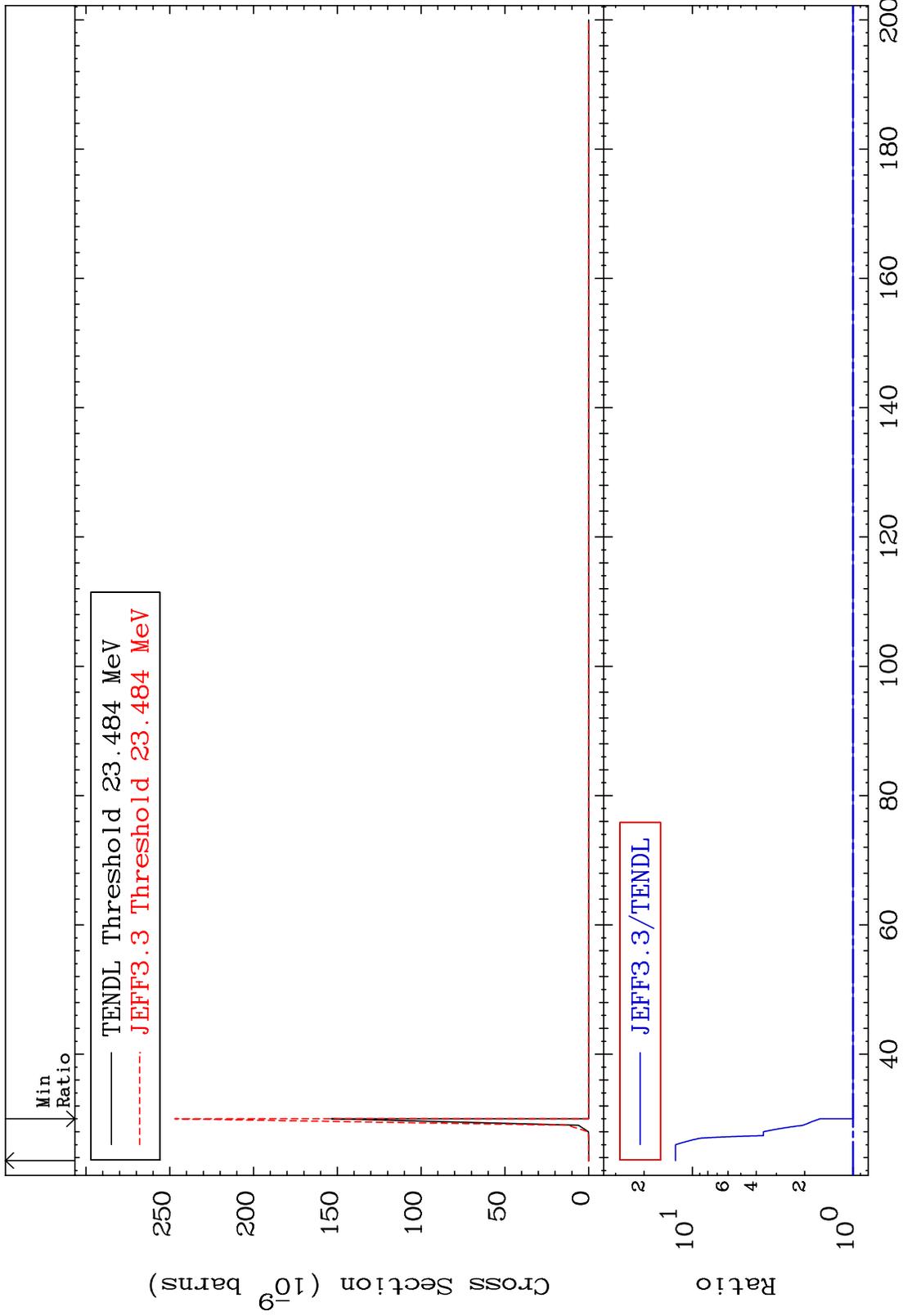


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Incident Energy (eV)

34-Se-79

MAT 3440 (n,3n) α : 32-Ge-73g 34-Se-79
 Radionuclide Production Cross Section 0.000 To 1172. %

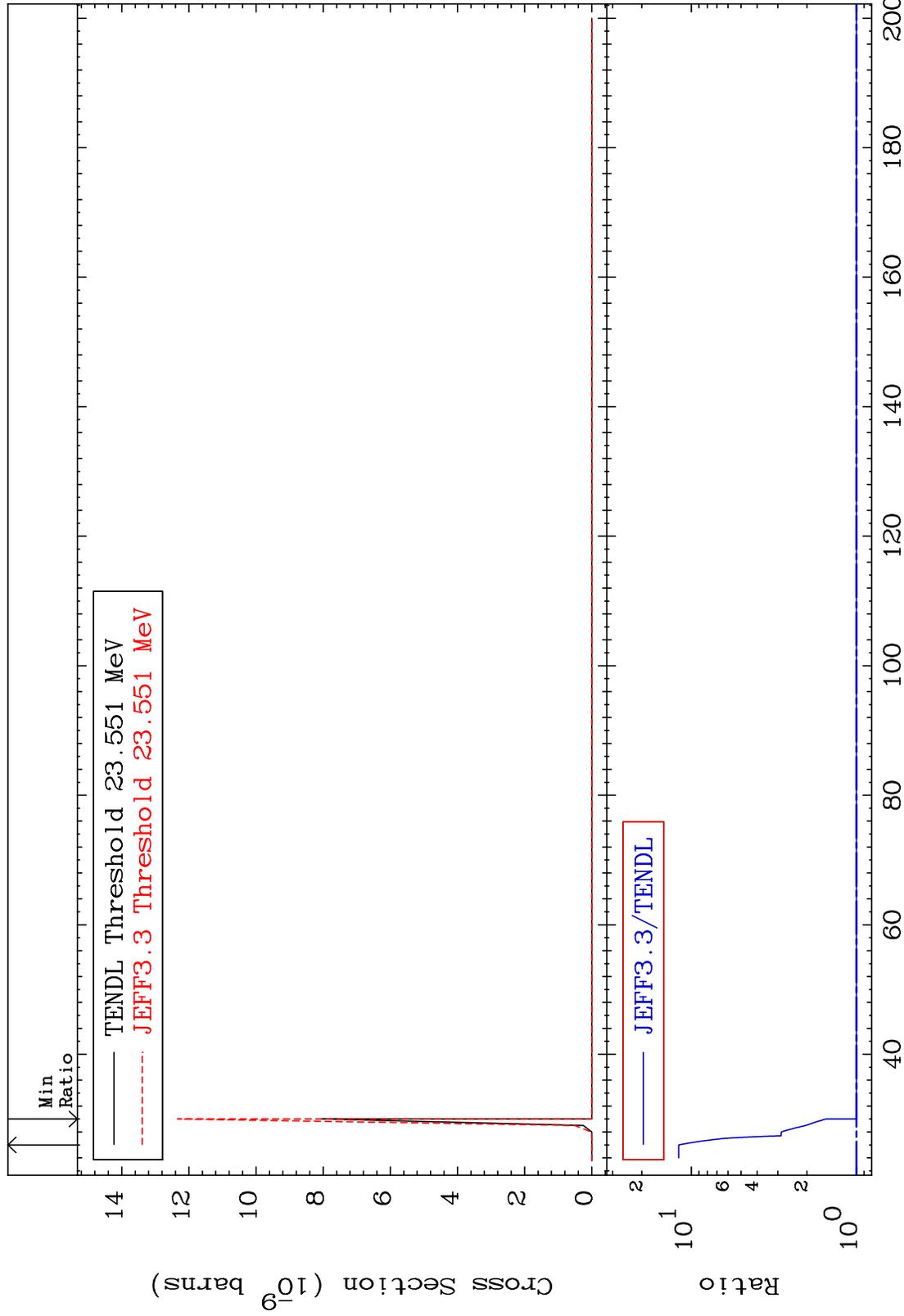


MAT 3440

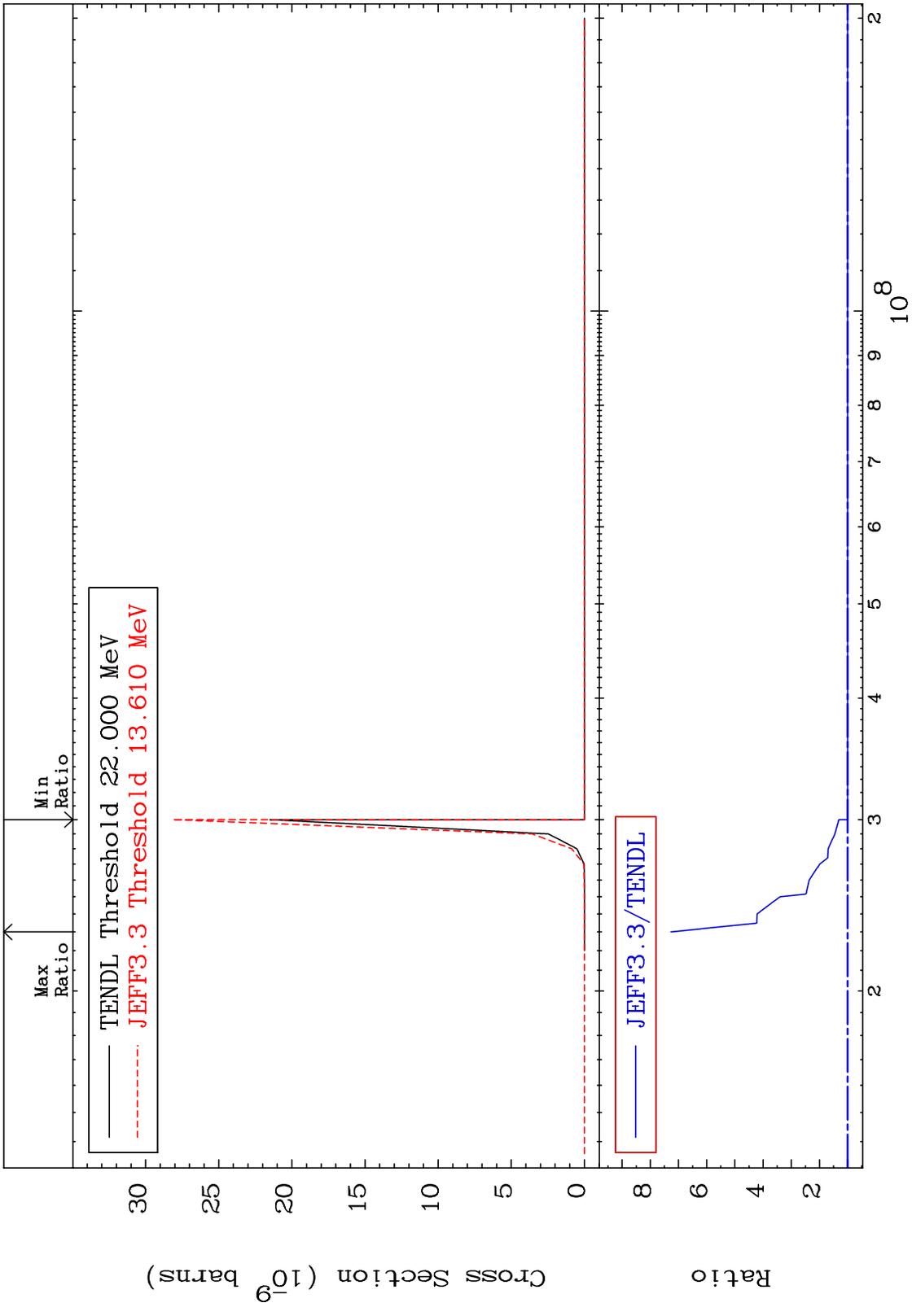
(n,3n) α :32-Ge-73m2

34-Se-79

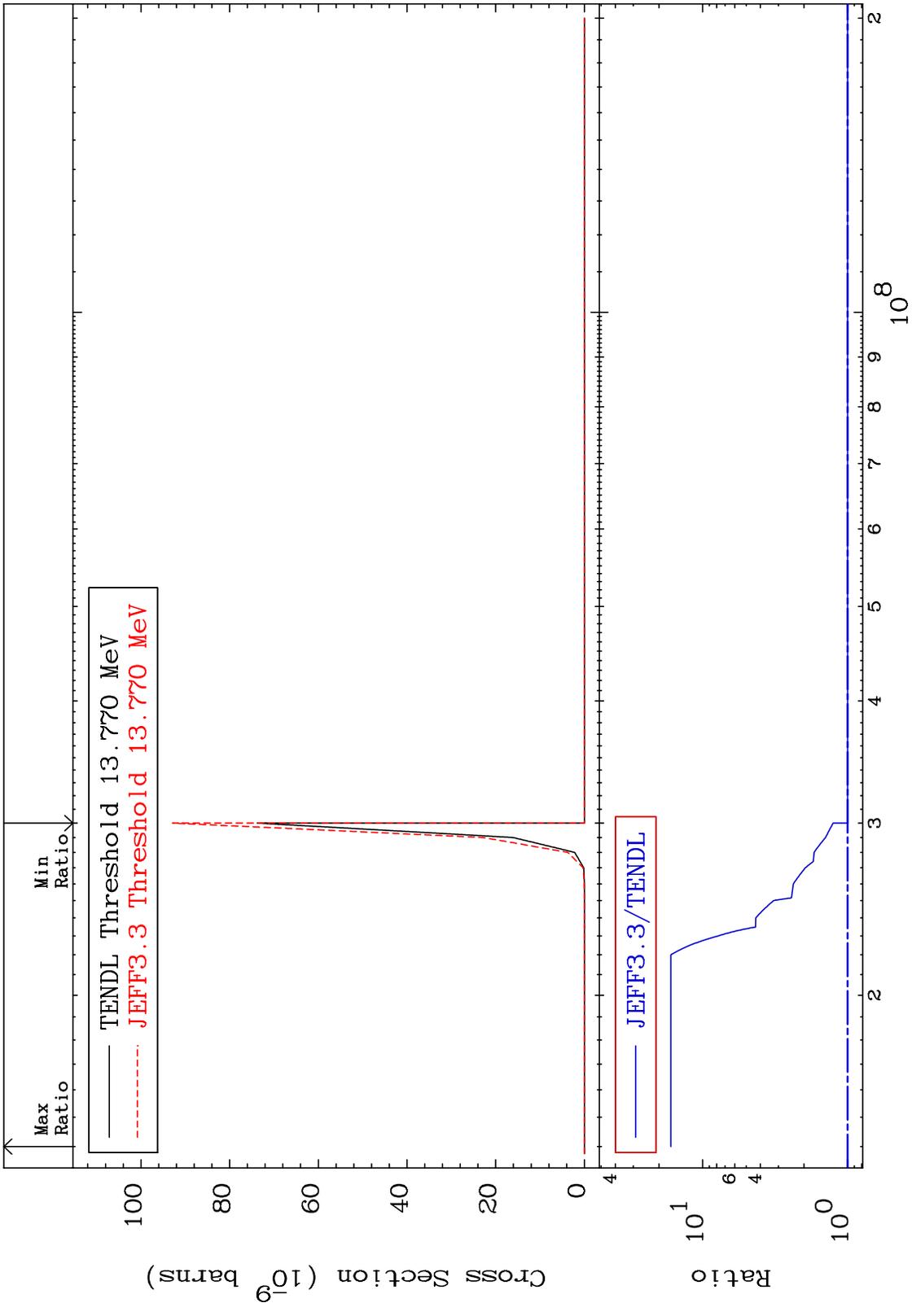
Radionuclide Production Cross Section 0.000 To 1093. %



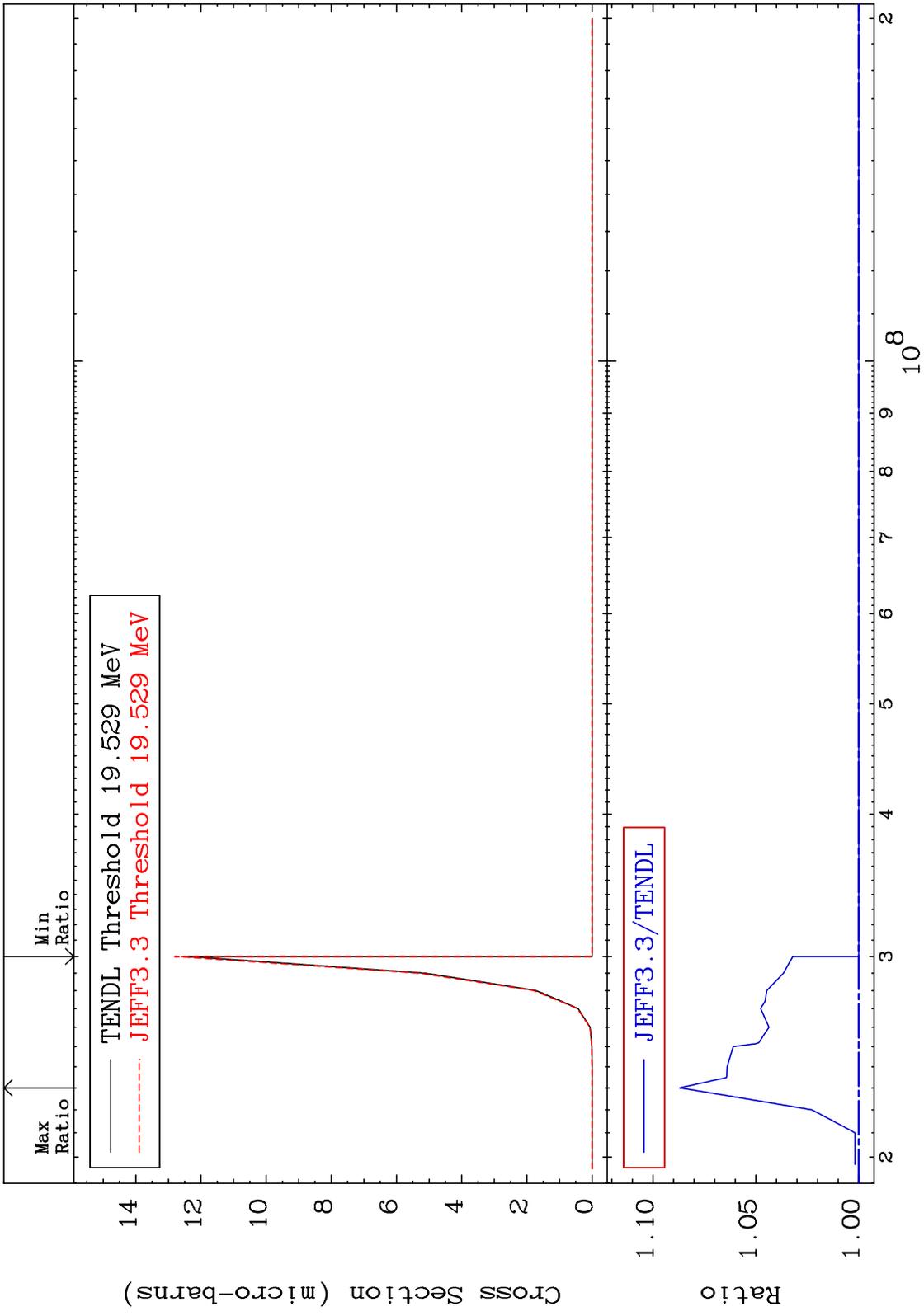
MAT 3440 (n, n') $^{2\alpha}$: 30 -Zn-71g 34 -Se-79
 Radionuclide Production Cross Section 0.000 To 626.9 %



MAT 3440 (n,n') 2α:30-Zn-71m1 34-Se-79
 Radionuclide Production Cross Section 0.000 To 1553. %



MAT 3440 (n,2n) p:32-Ge-77g 34-Se-79
 Radionuclide Production Cross Section 0.000 To 8.696 %

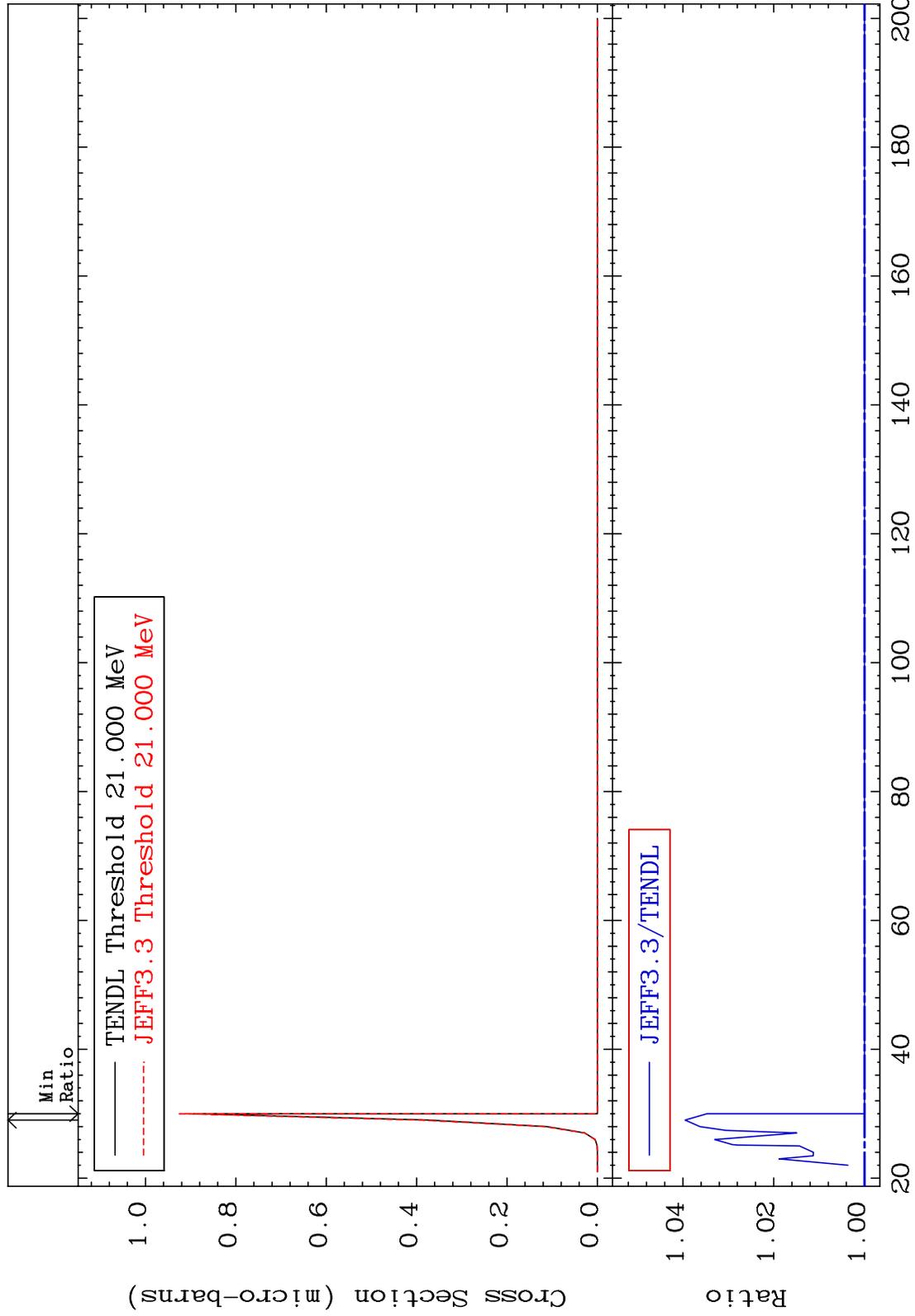


MAT 3440

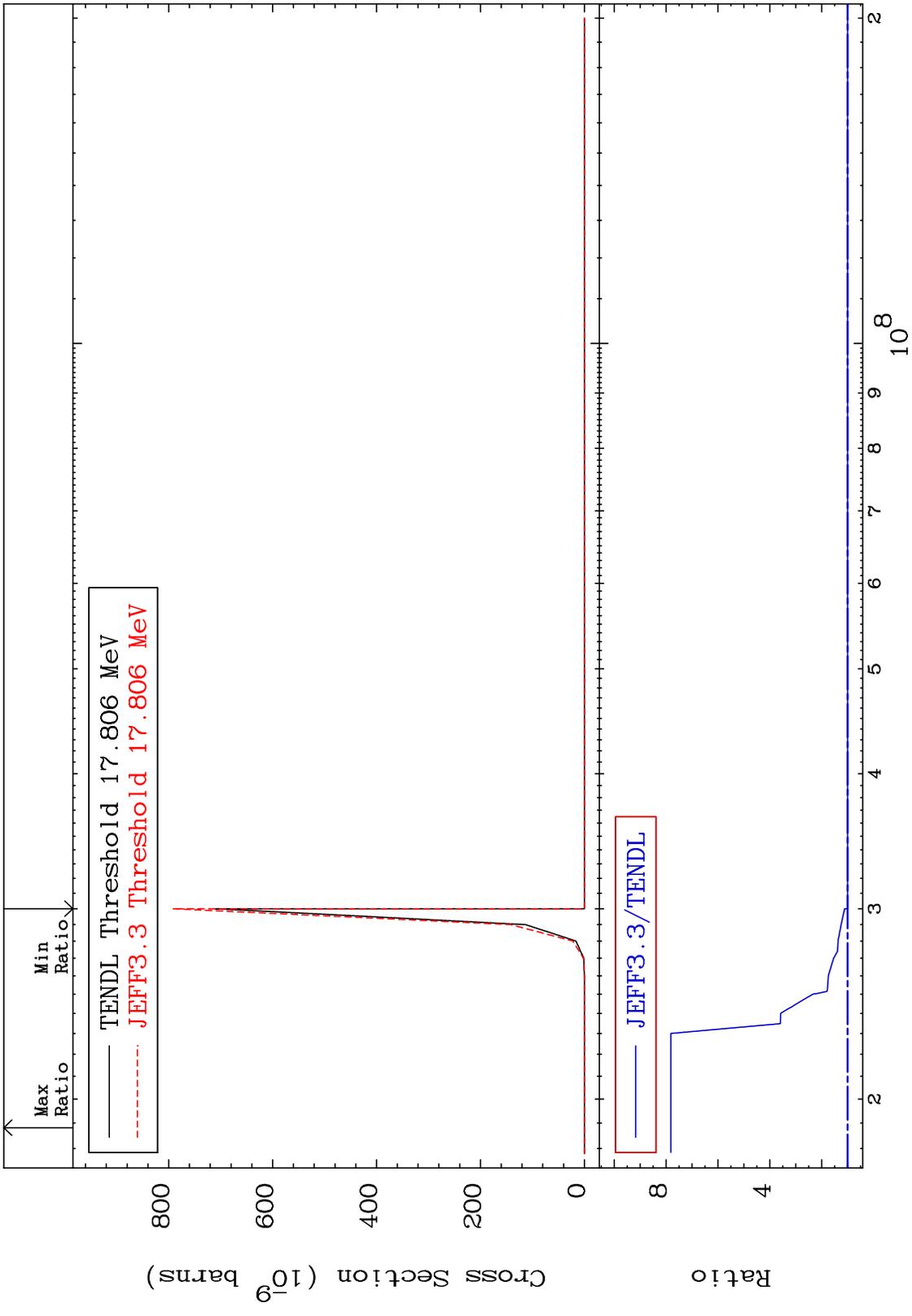
(n,2n) p:32-Ge-77m1

34-^{Se}-79

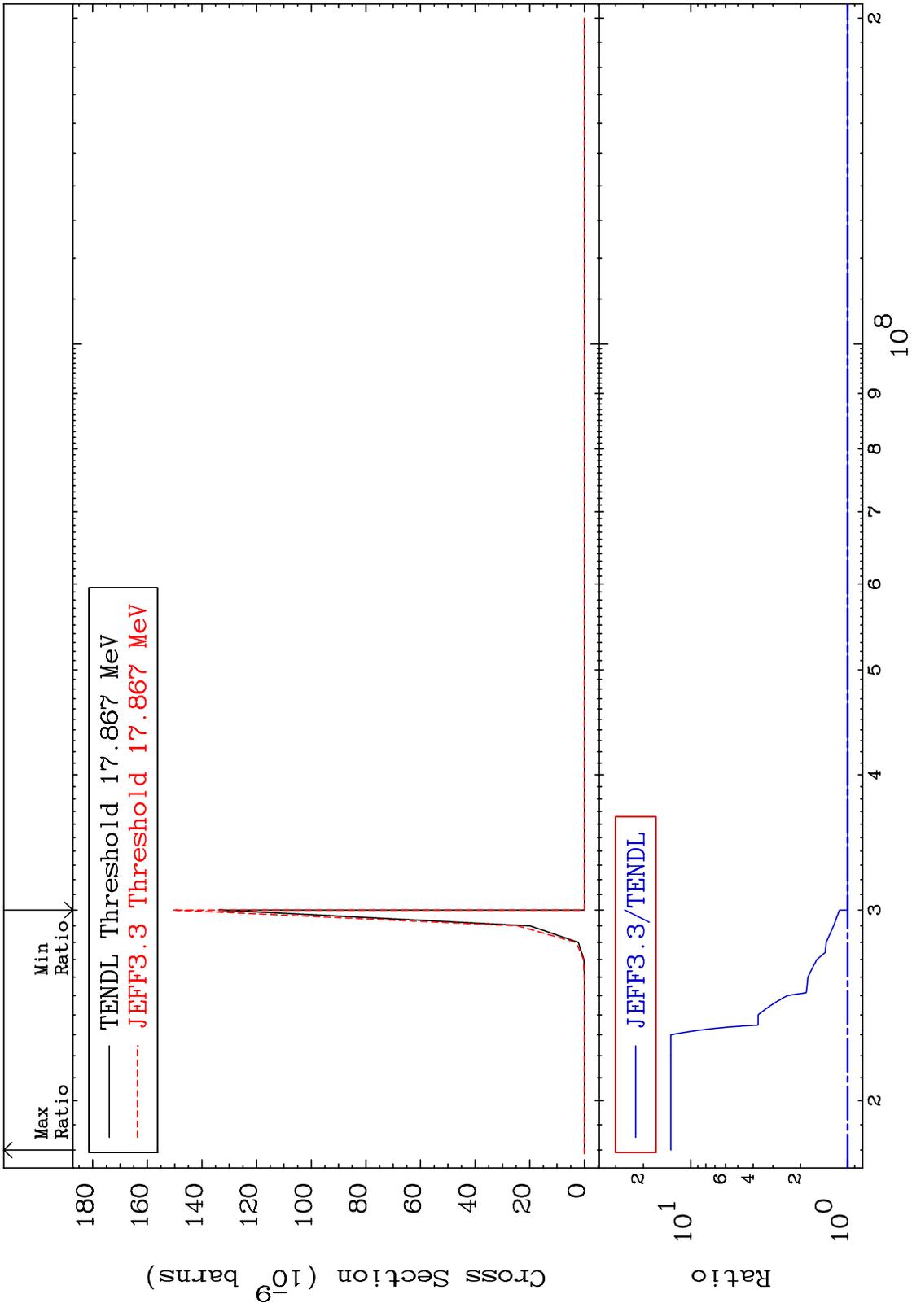
Radionuclide Production Cross Section 0.000 To 3.950 %



MAT 3440 (n,n') p α:31-Ga-74g 34-Se-79
 Radionuclide Production Cross Section 0.000 To 681.4 %



MAT 3440 (n,n') p α :31-Ga-74m2 34-Se-79
 Radionuclide Production Cross Section 0.000 To 1236. %

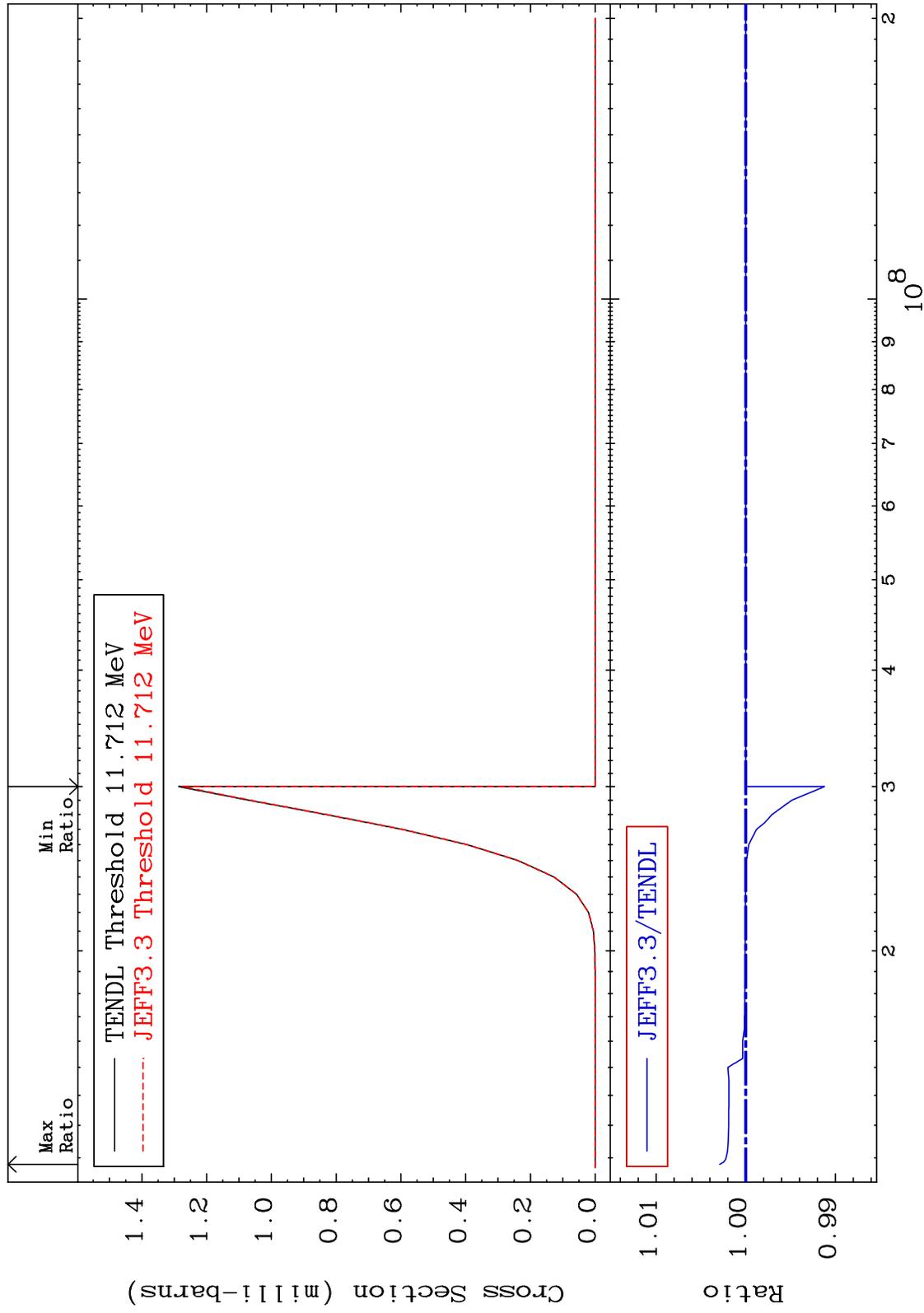


MAT 3440

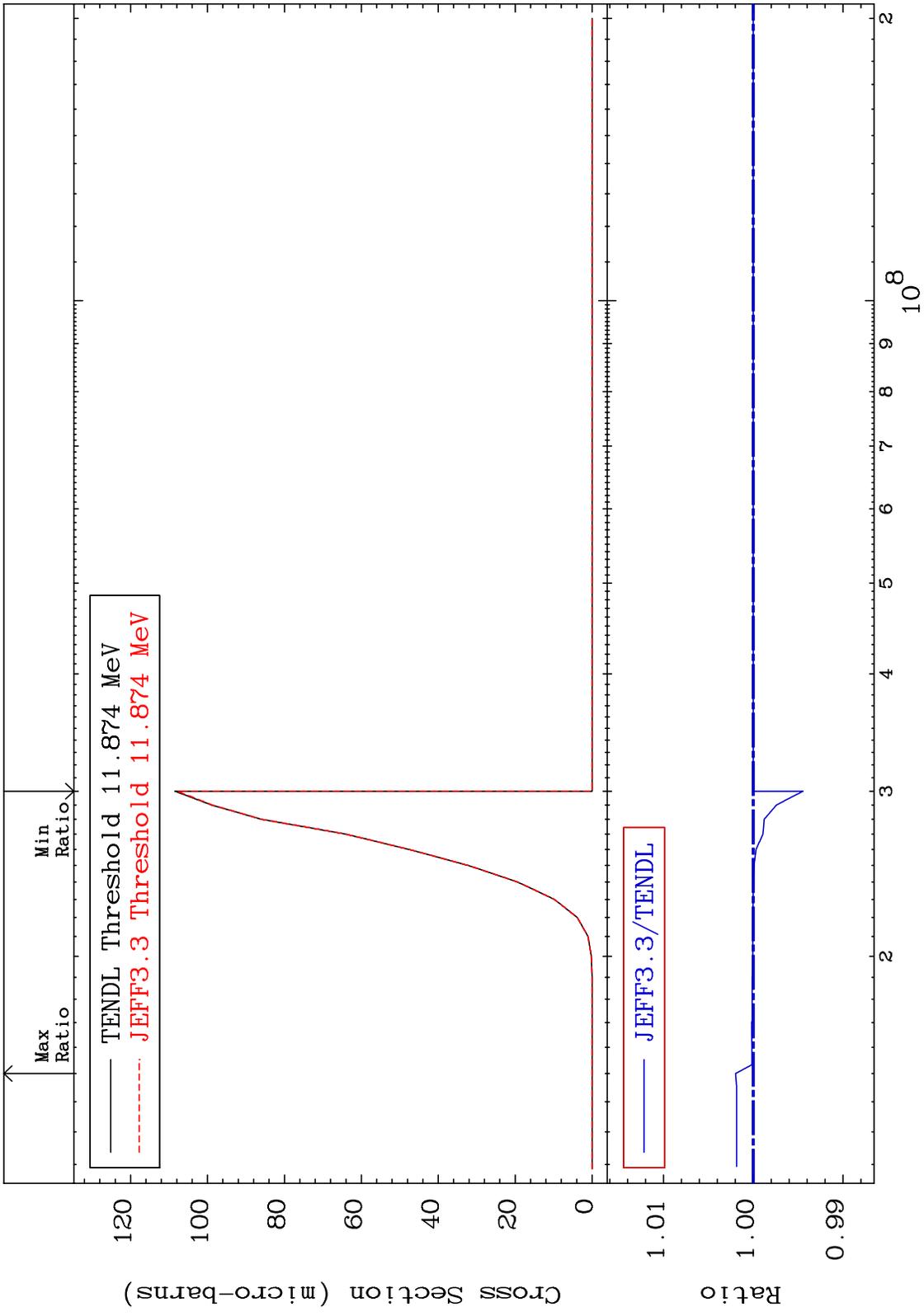
(n,He-3) : 32-Ge-77g

34-Se-79

Radionuclide Production Cross Section -0.876 To 0.291 %



MAT 3440 (n, He-3) : 32-Ge-77m1 34-Se-79
 Radionuclide Production Cross Section -0.555 To 0.197 %

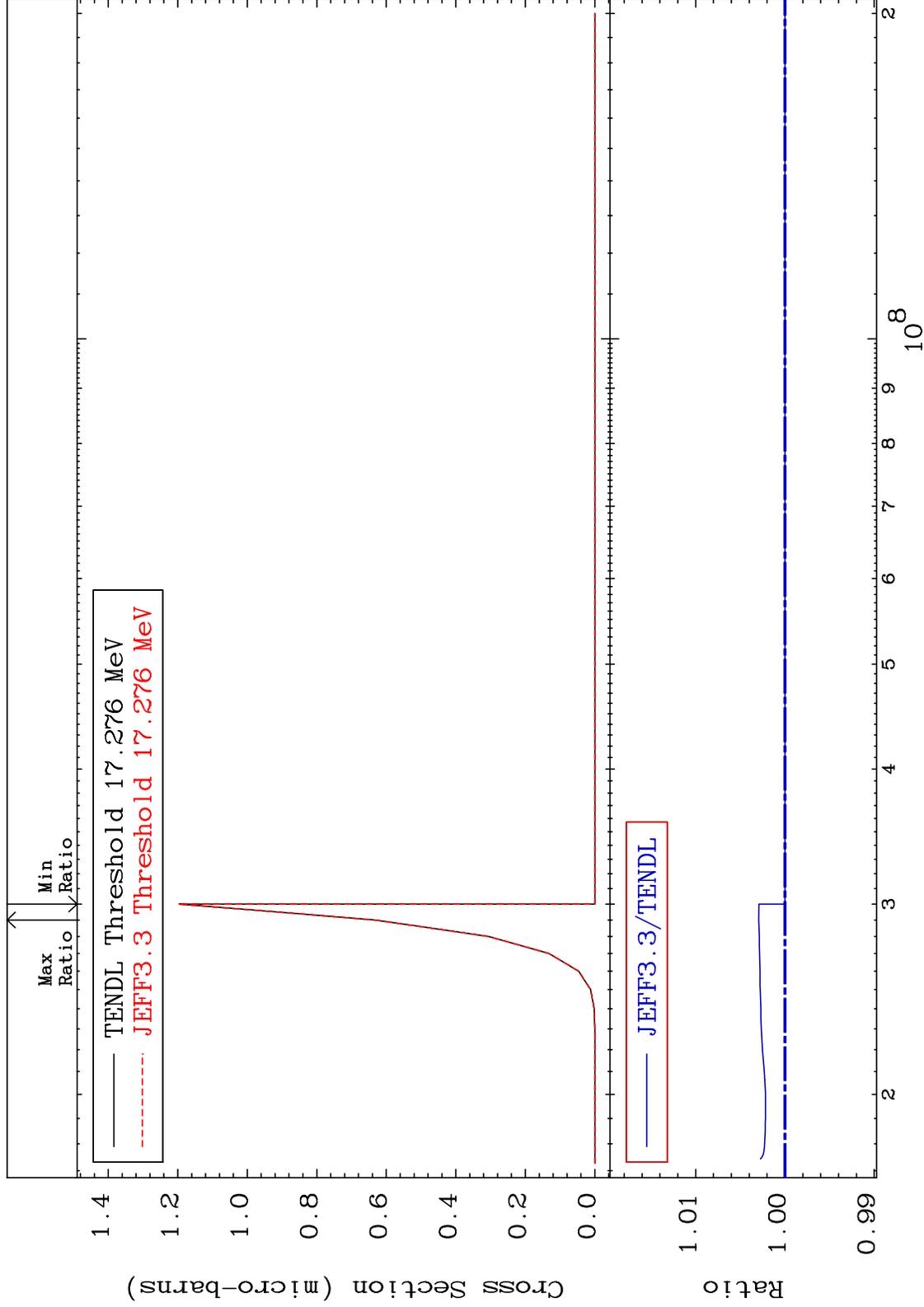


MAT 3440

(n, p) d:32-Ge-77g

34-Se-79

Radionuclide Production Cross Section 0.000 To 0.293 %

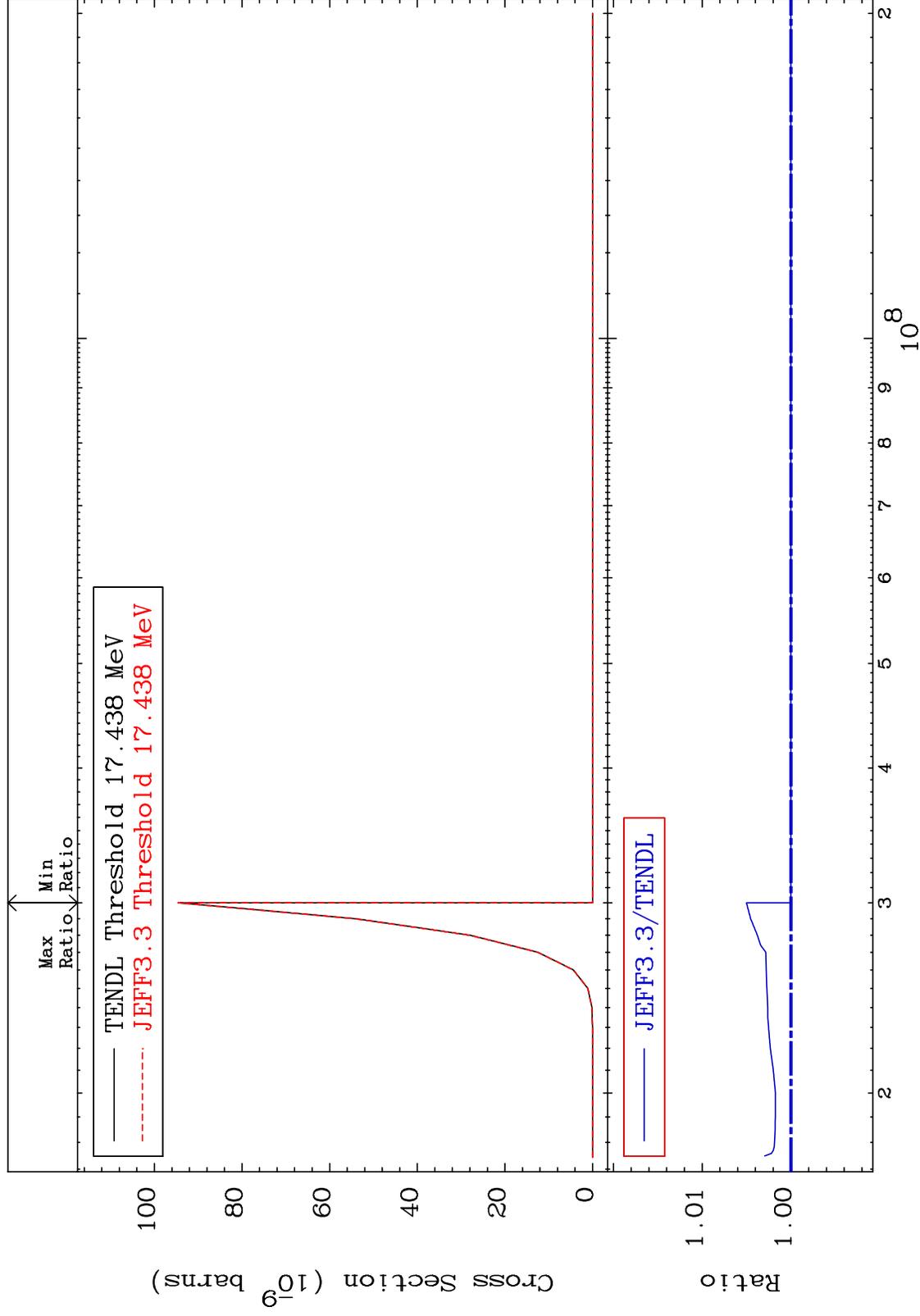


MAT 3440

(n,p) d:32-Ge-77m1

34-Se-79

Radionuclide Production Cross Section 0.000 To 0.501 %

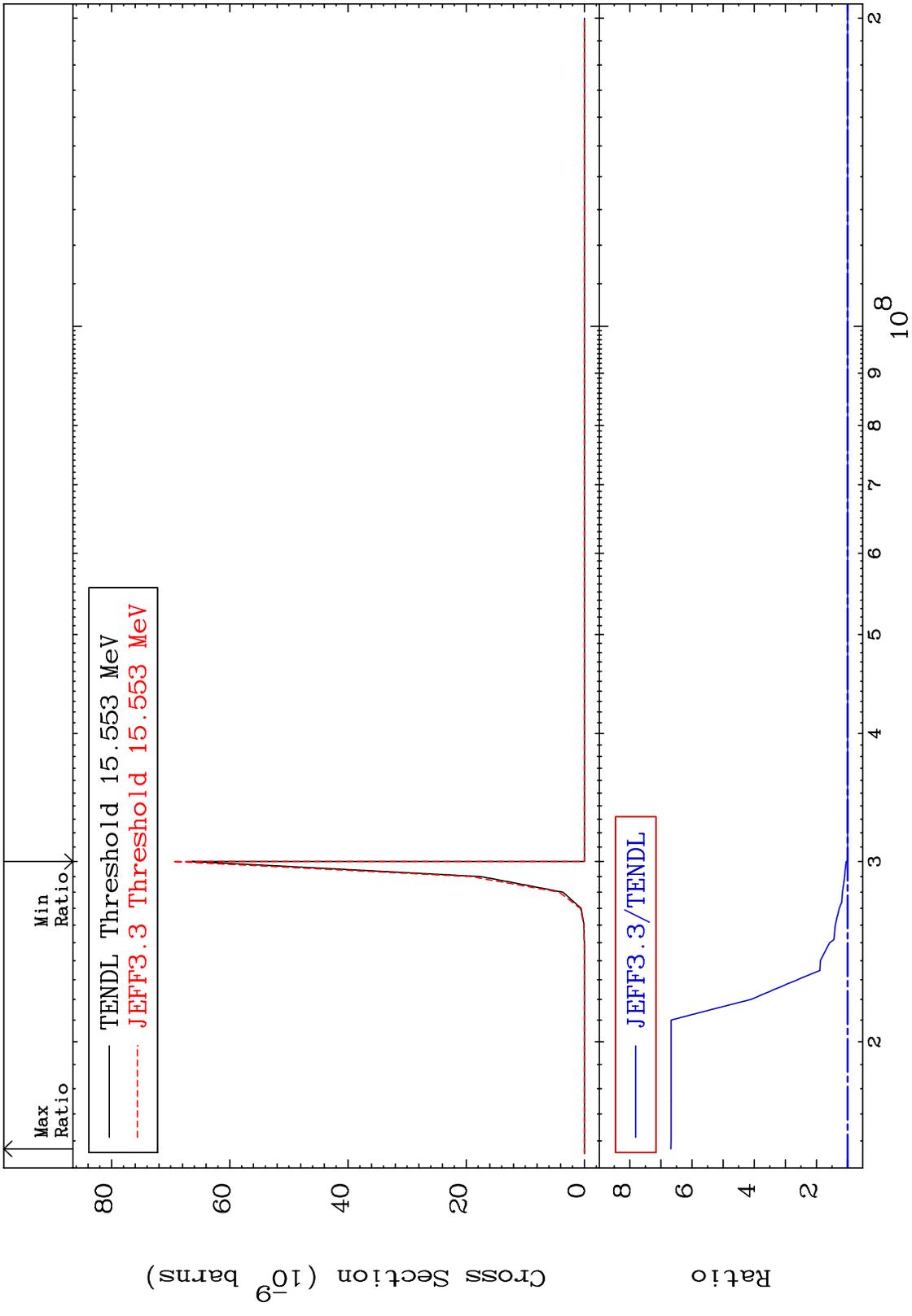


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Incident Energy (eV)

34-Se-79

MAT 3440 (n,d) α :31-Ga-74g 34-Se-79
 Radionuclide Production Cross Section 0.000 To 568.1 %

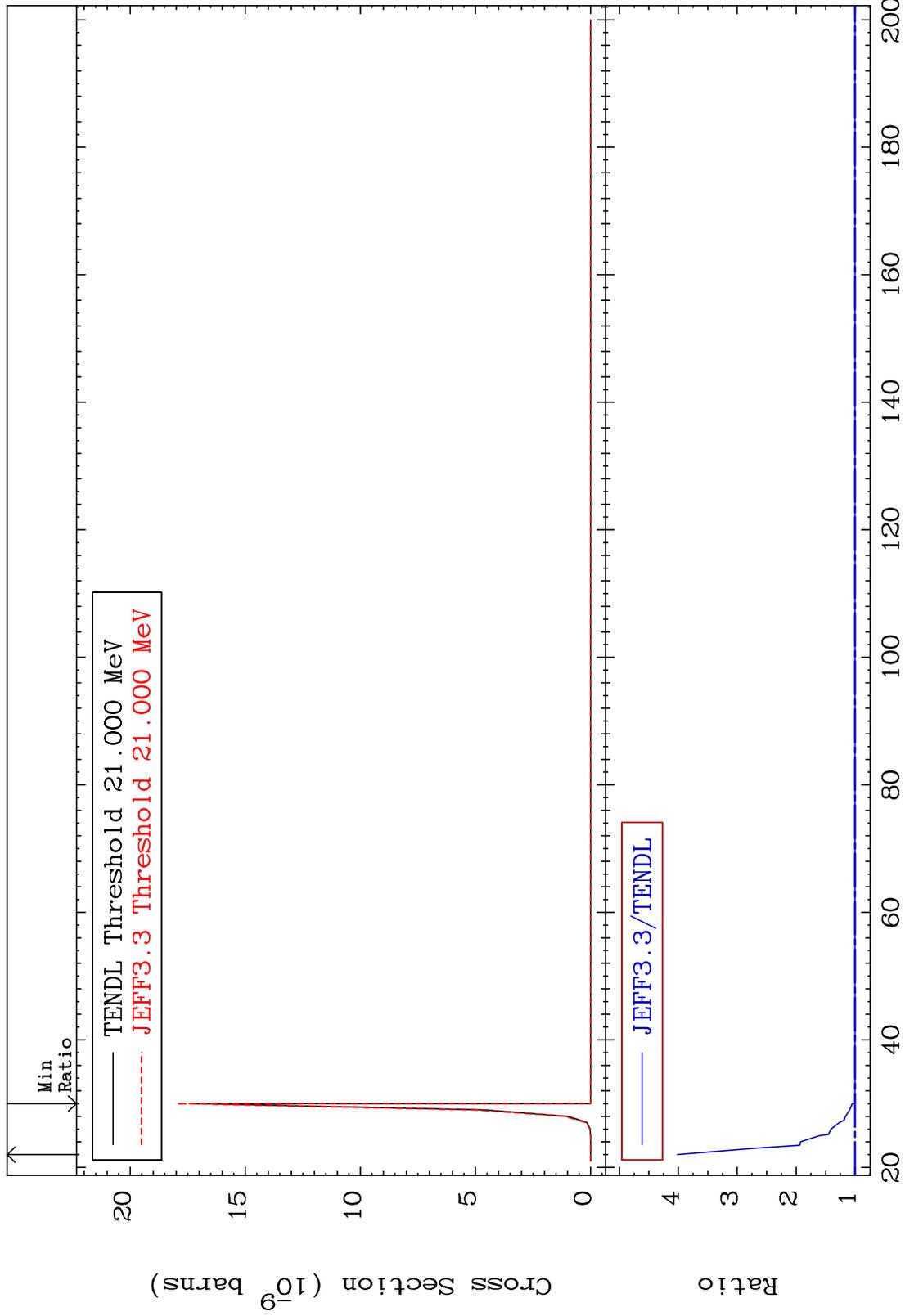


MAT 3440

(n, d) α :31-Ga-74m2

34-Se-79

Radionuclide Production Cross Section 0.000 To 301.4 %



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Incident Energy (MeV)

34-Se-79