

Program Complot
(Version 2018-1)

by

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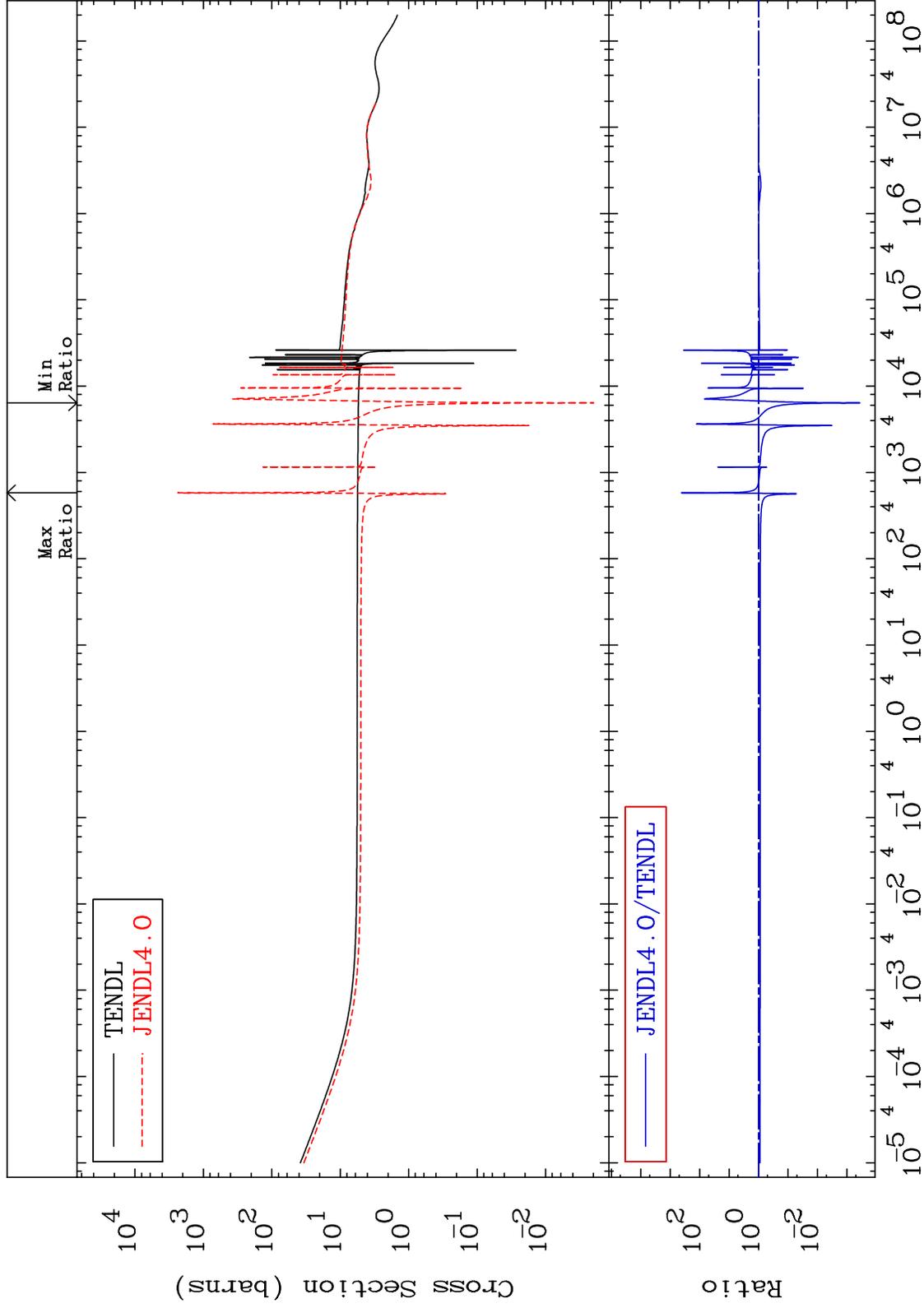
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3449

Total
Cross Section

34-Se-82
-99.96 To 9999. %



1

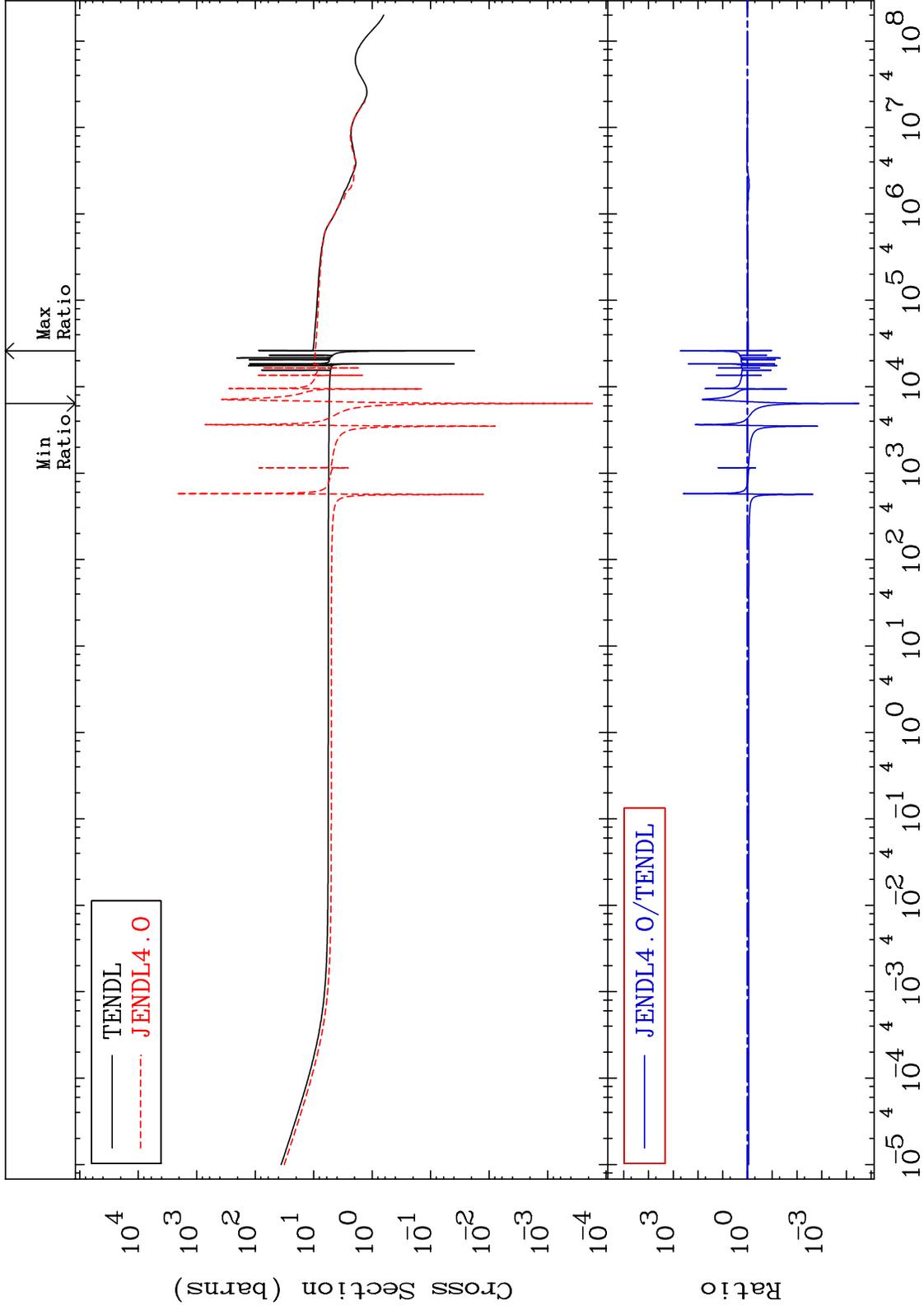
Incident Energy (eV)

34-Se-82

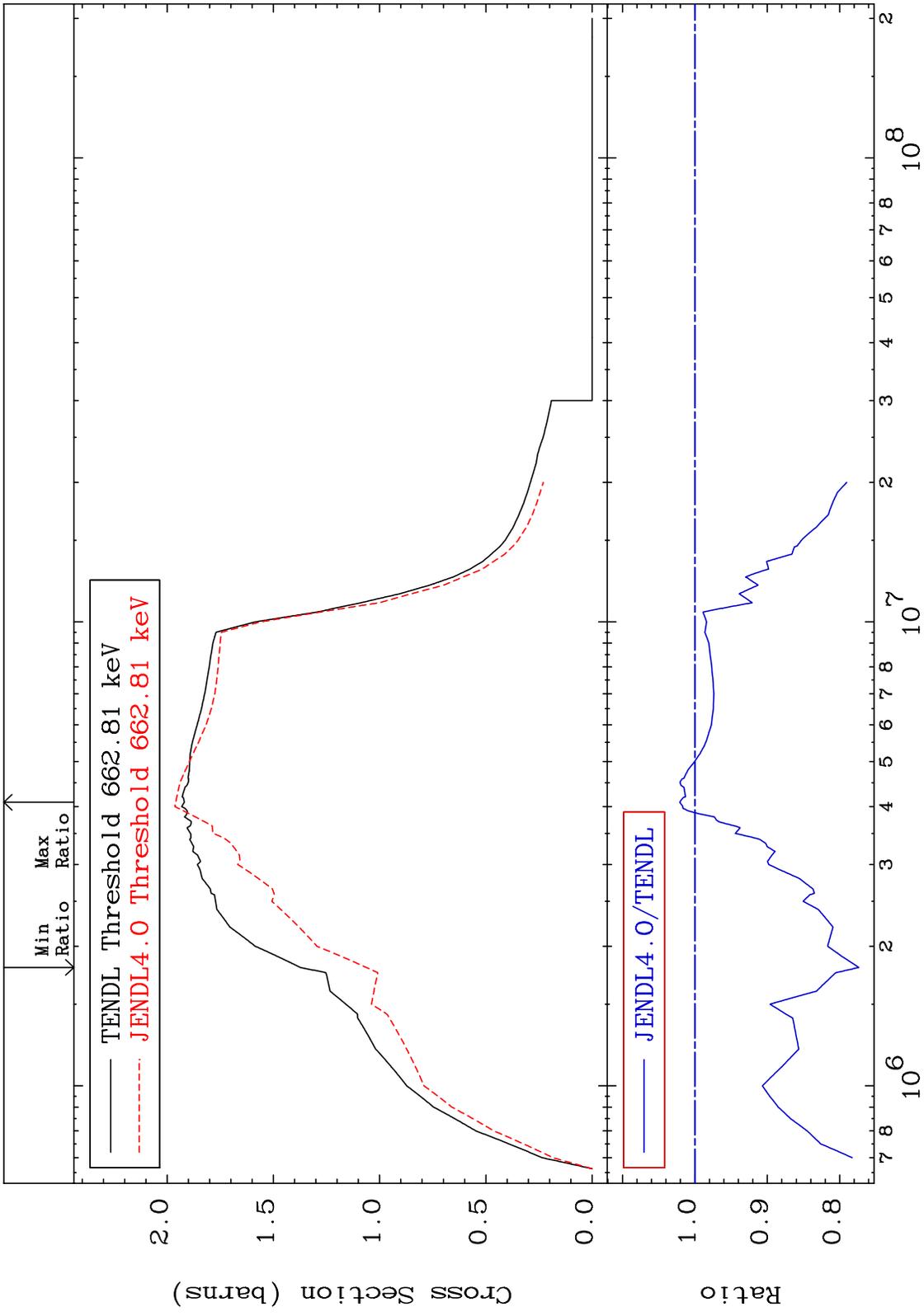
MAT 3449

Elastic
Cross Section

34-Se-82
-100.0 To 9999. %

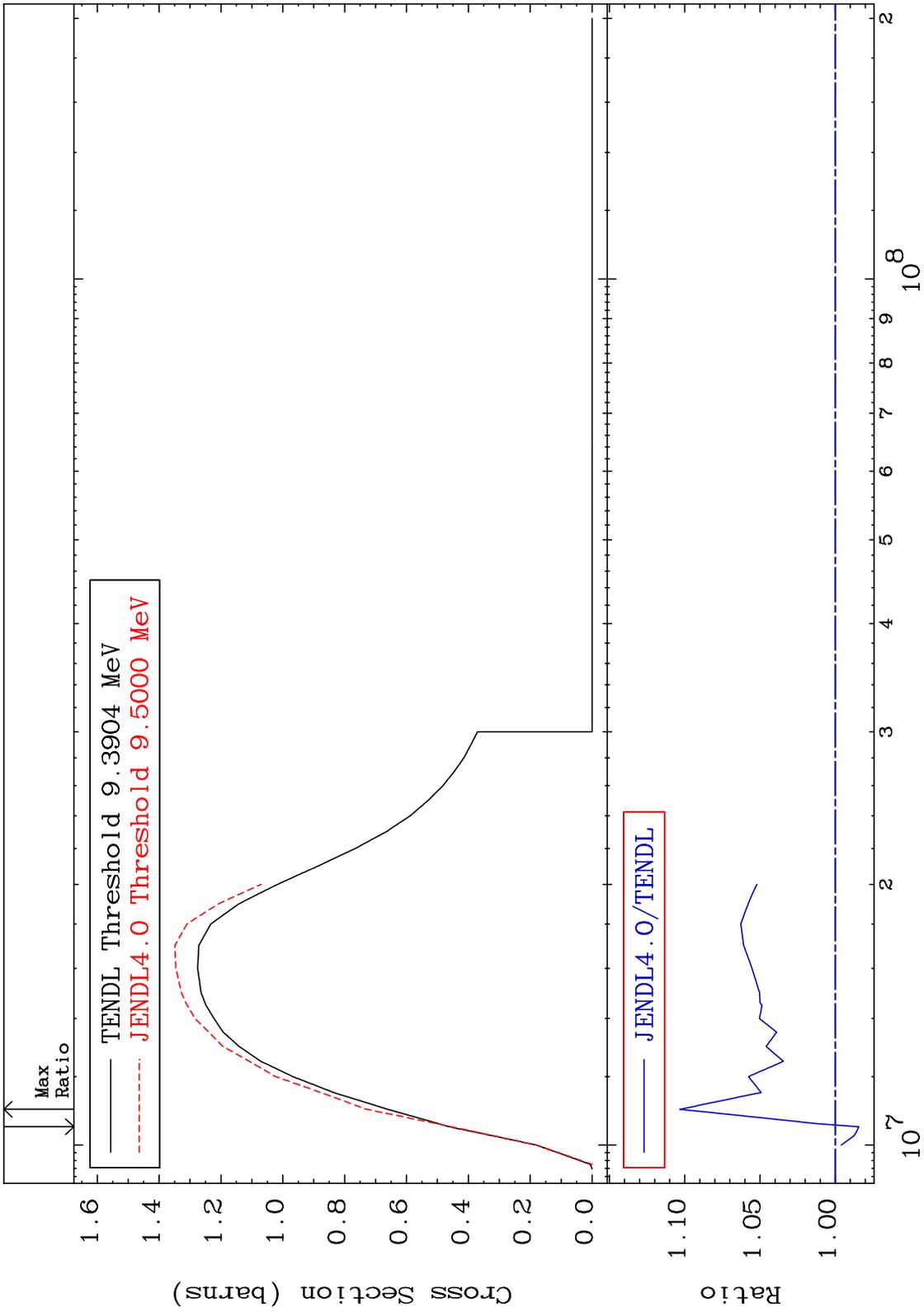


MAT 3449 Inelastic Cross Section 34-Se-82 -22.63 To 2.090 %

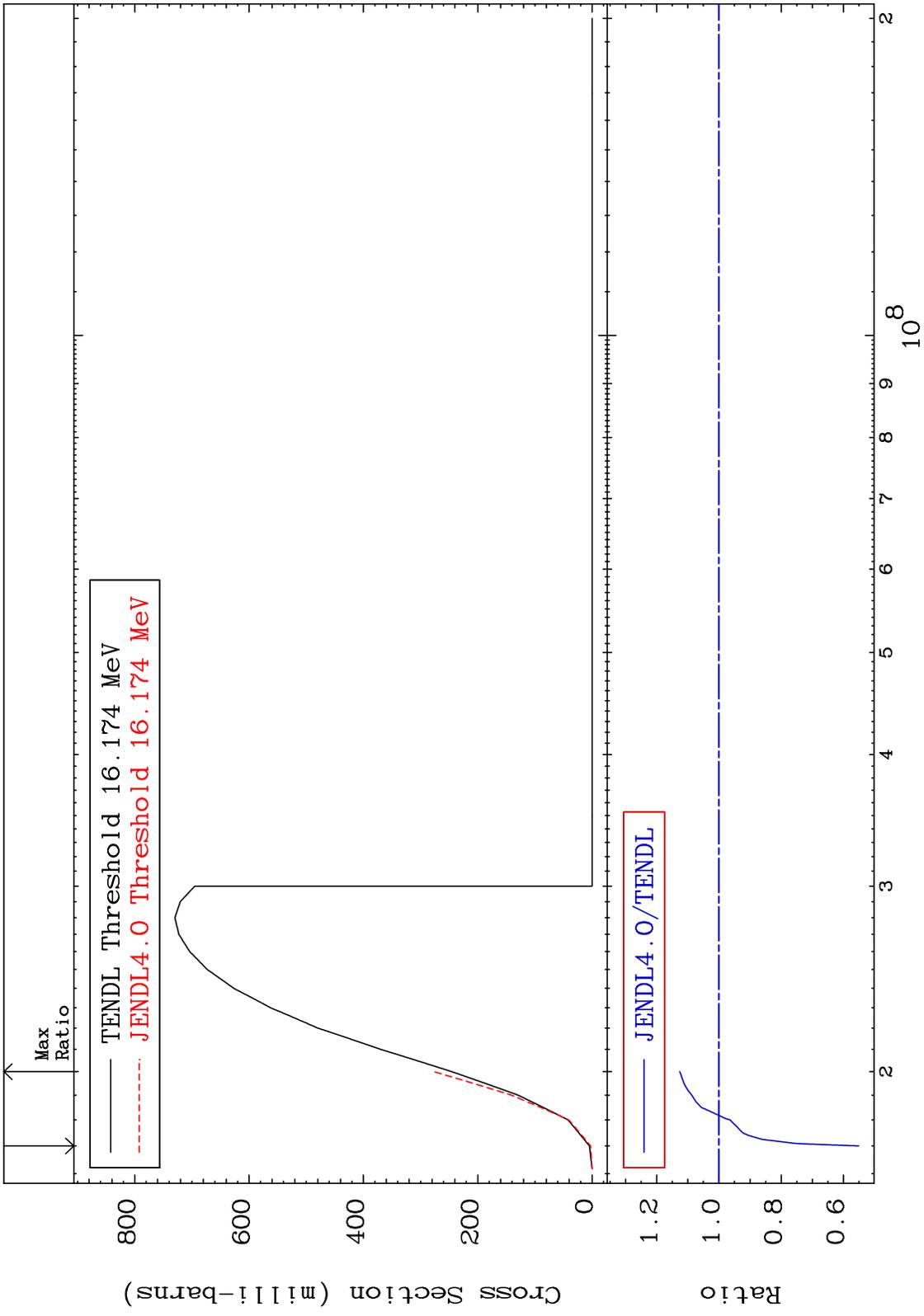


3 34-Se-82

MAT 3449 (n,2n) Cross Section 34-Se-82 -1.568 To 10.33 %

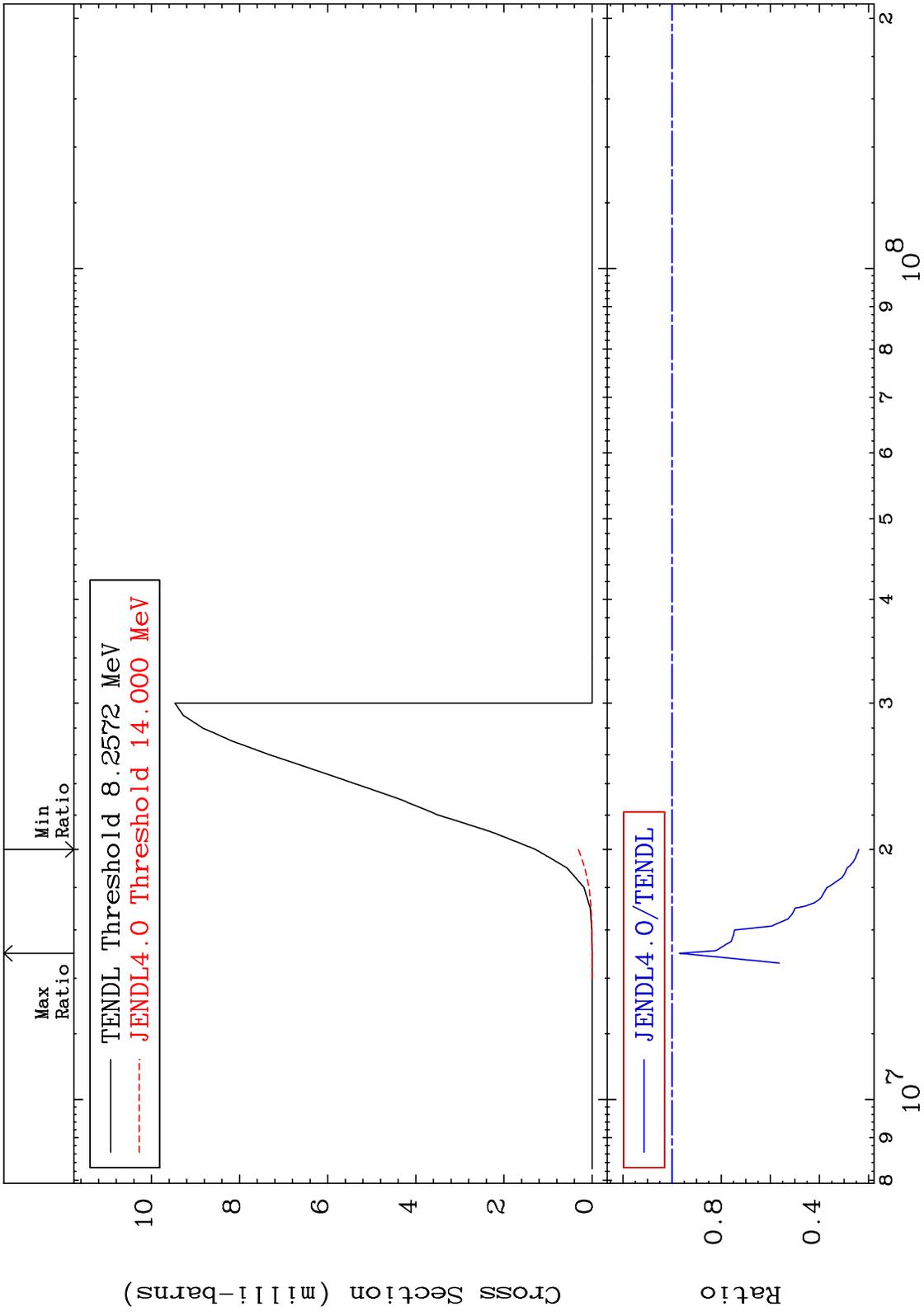


MAT 3449 (n,3n) Cross Section 34-Se-82
 -44.95 To 12.60 %

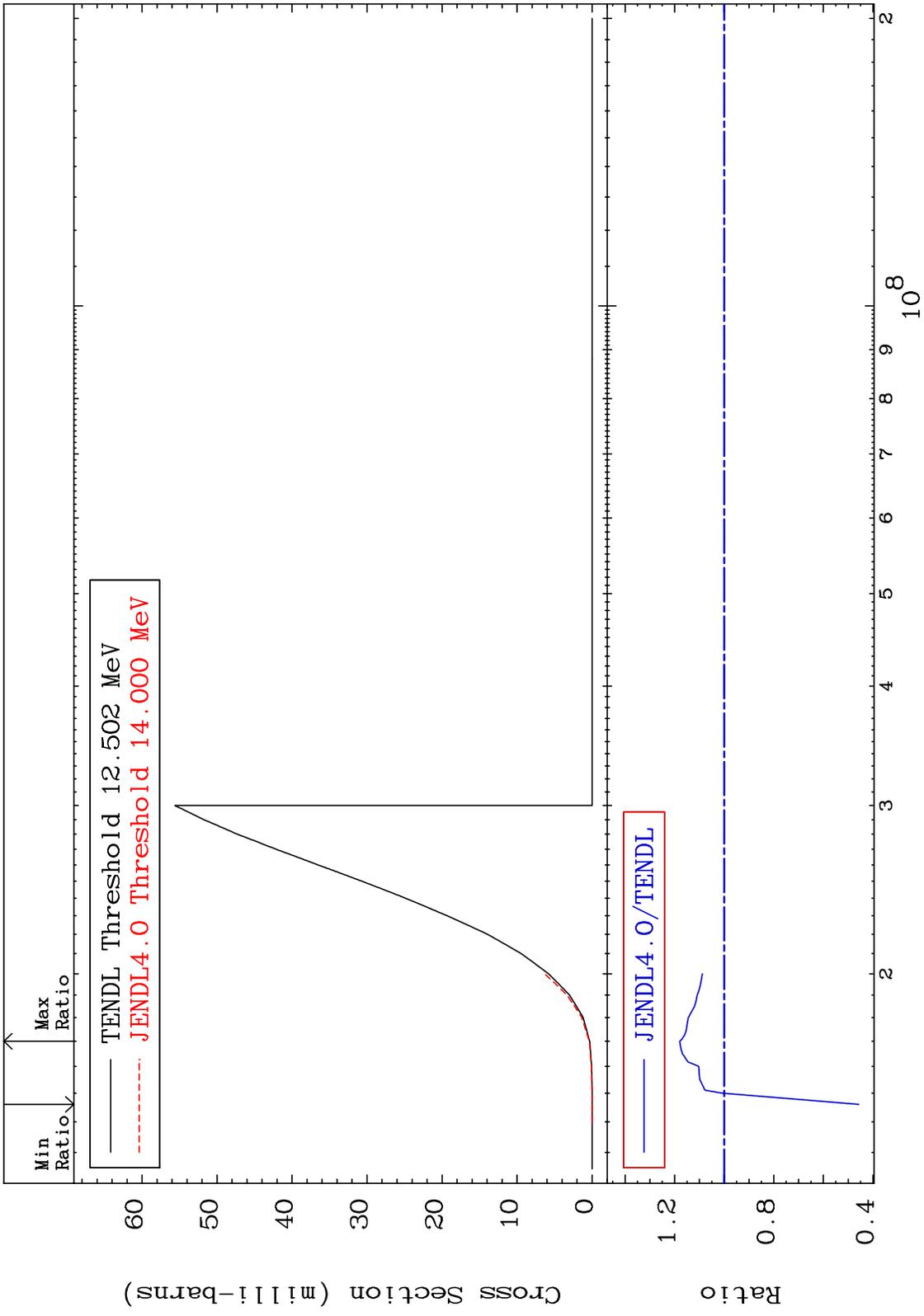


5 Incident Energy (eV) 34-Se-82

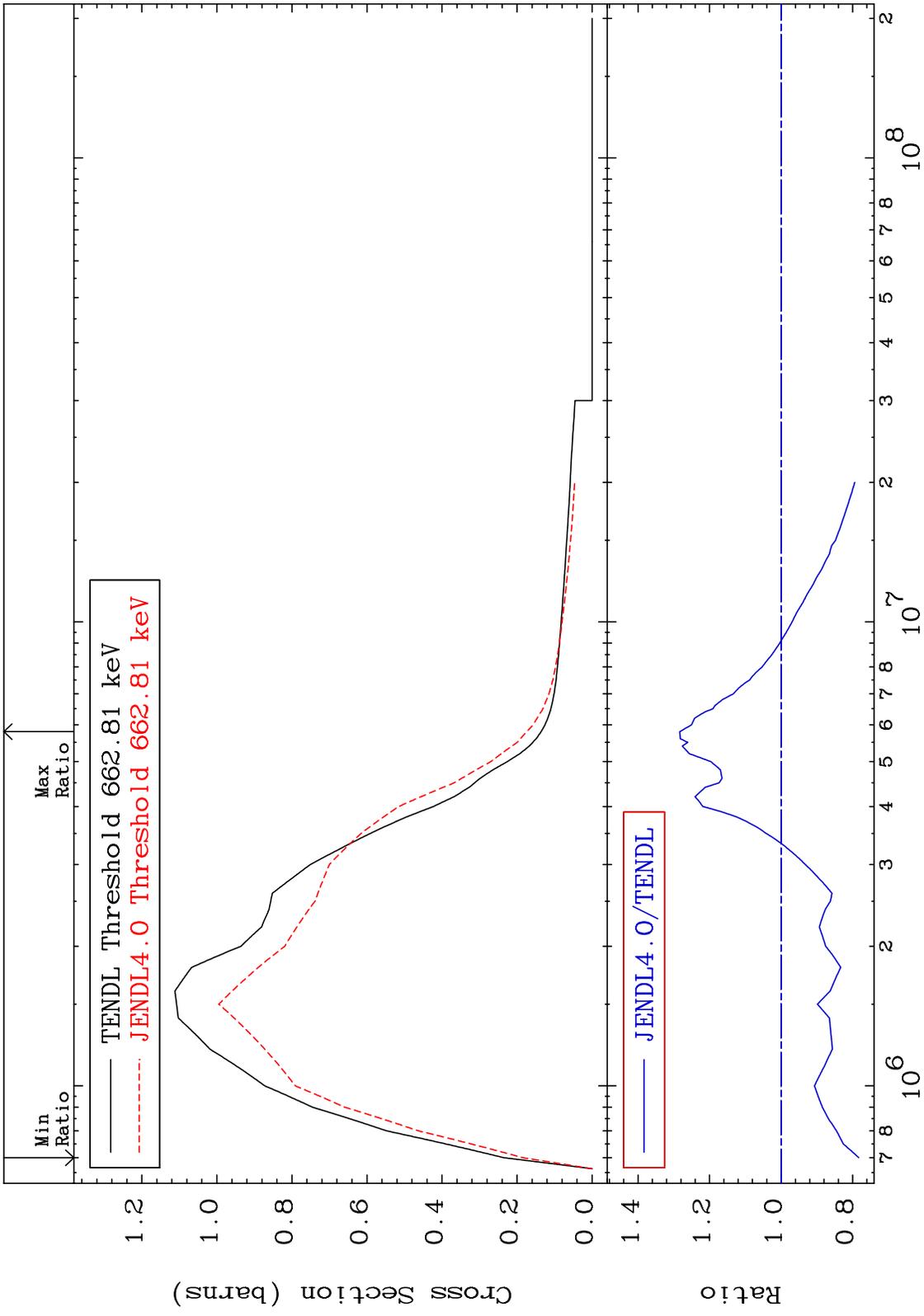
MAT 3449 $(n, n') \alpha$ $^{34}\text{Se-82}$
 Cross Section $-76.02 \text{ To } -3.139\%$



6 10^7 8 9 2
 10^8 2
 $^{34}\text{Se-82}$

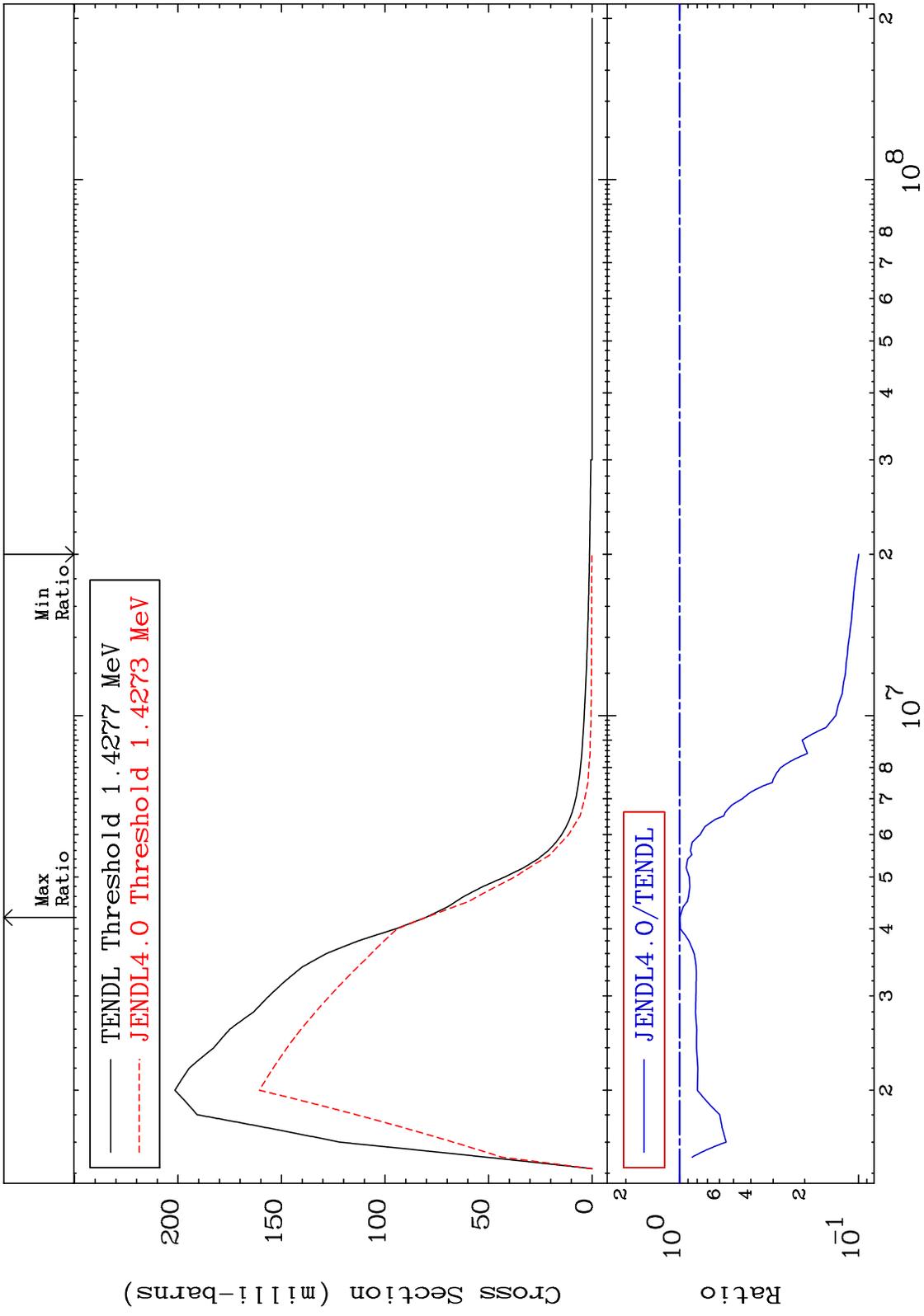


MAT 3449 MT= 51 (n,n') Level Cross Section -21.73 To 28.33 % 34-Se-82



8 34-Se-82

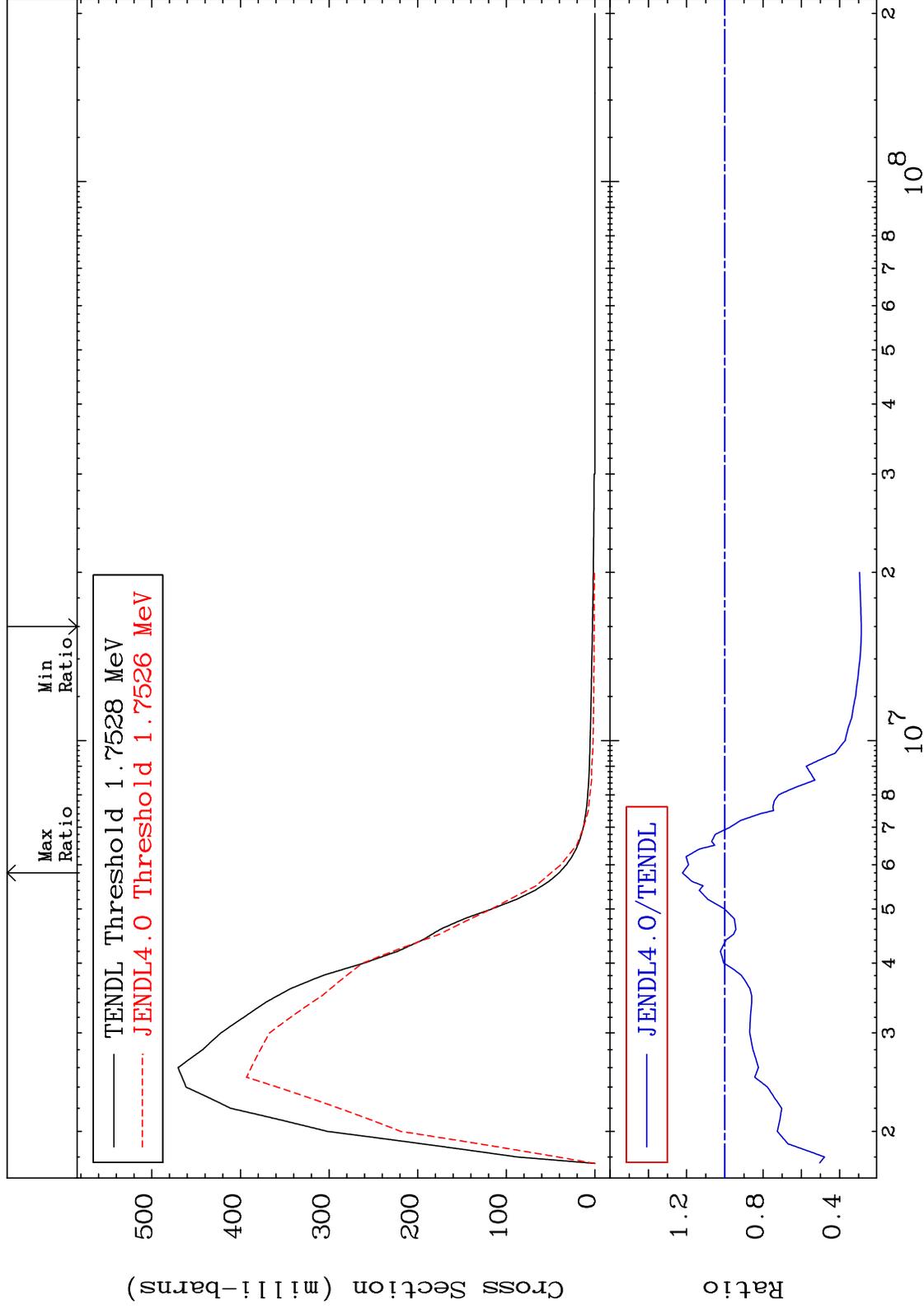
MAT 3449 MT= 52 (n,n') Level Cross Section 34-Se-82
 -90.03 To 0.020 %



MAT 3449

MT= 53 (n,n') Level
Cross Section

34-Se-82
-71.41 To 22.19 %

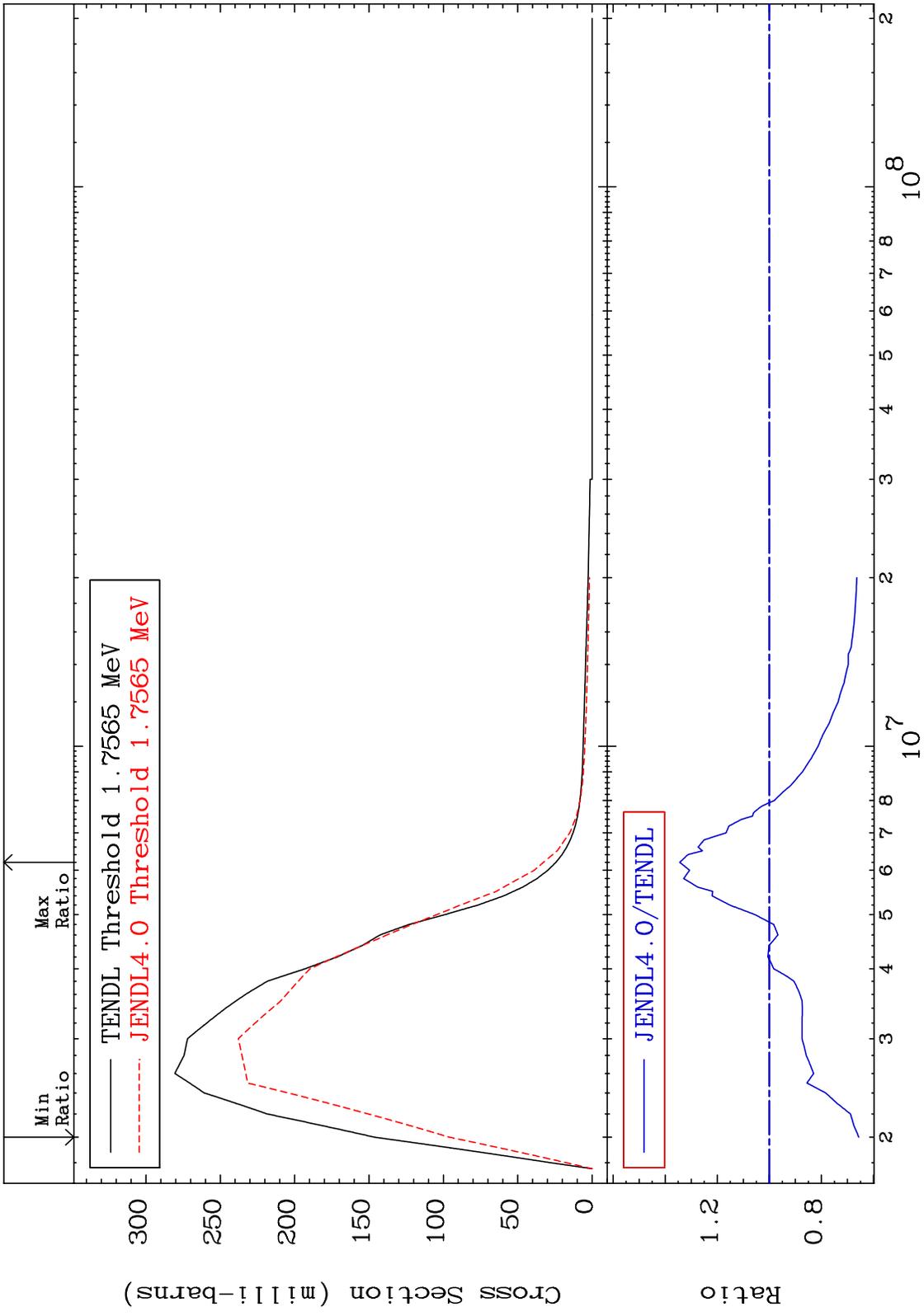


10

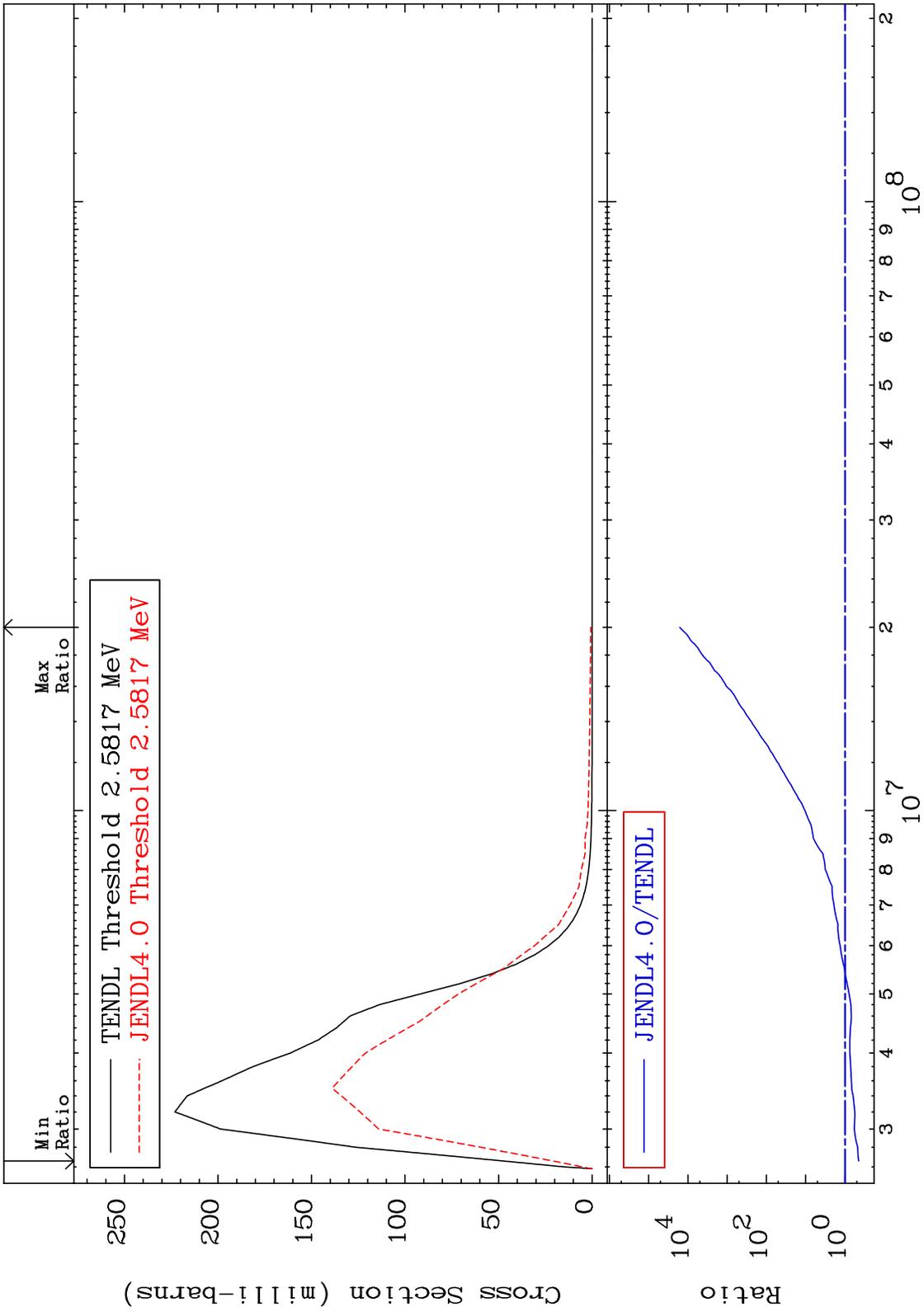
Incident Energy (eV)

34-Se-82

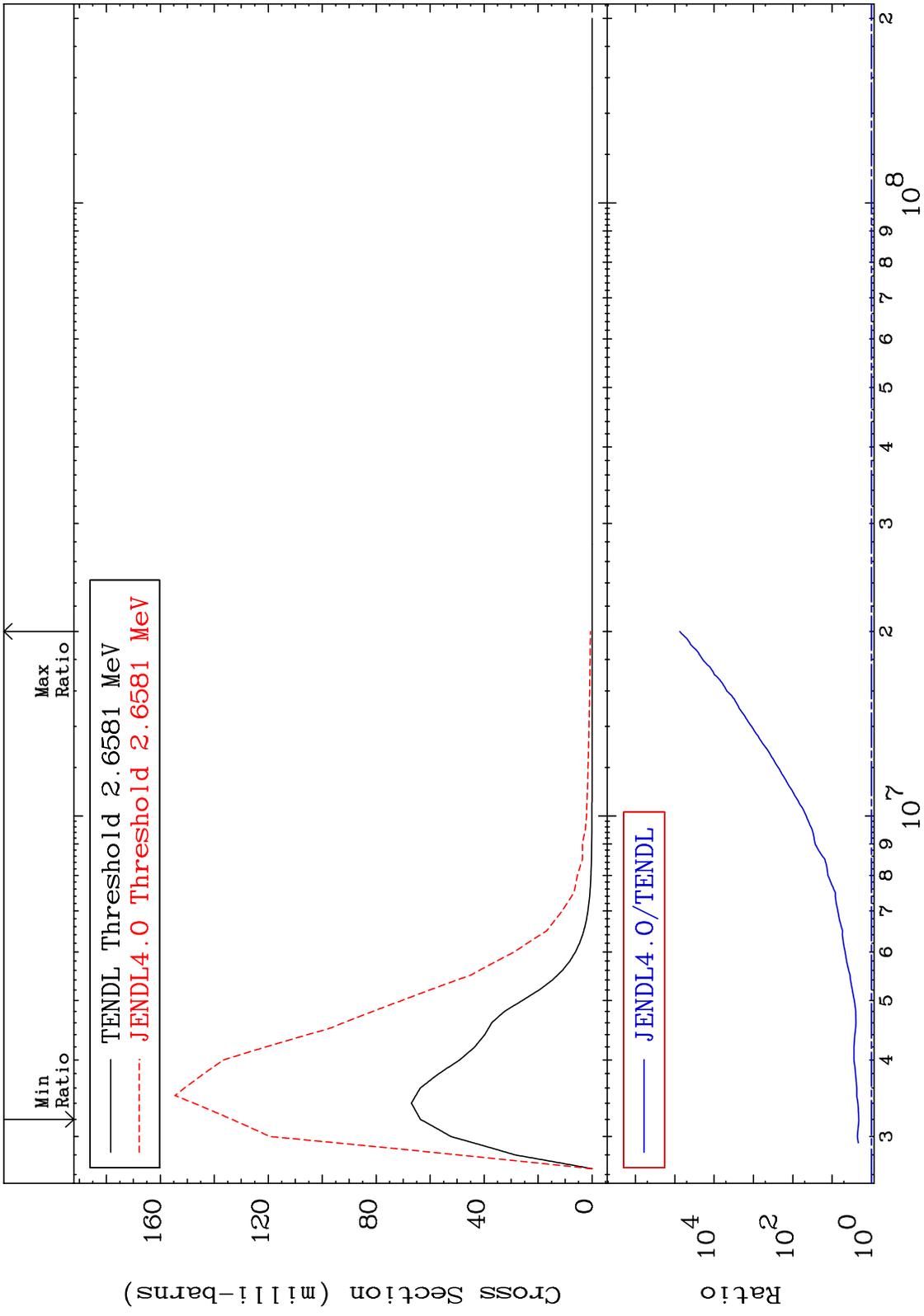
MAT 3449 MT= 54 (n,n') Level 34-Se-82
 Cross Section -34.36 To 34.40 %



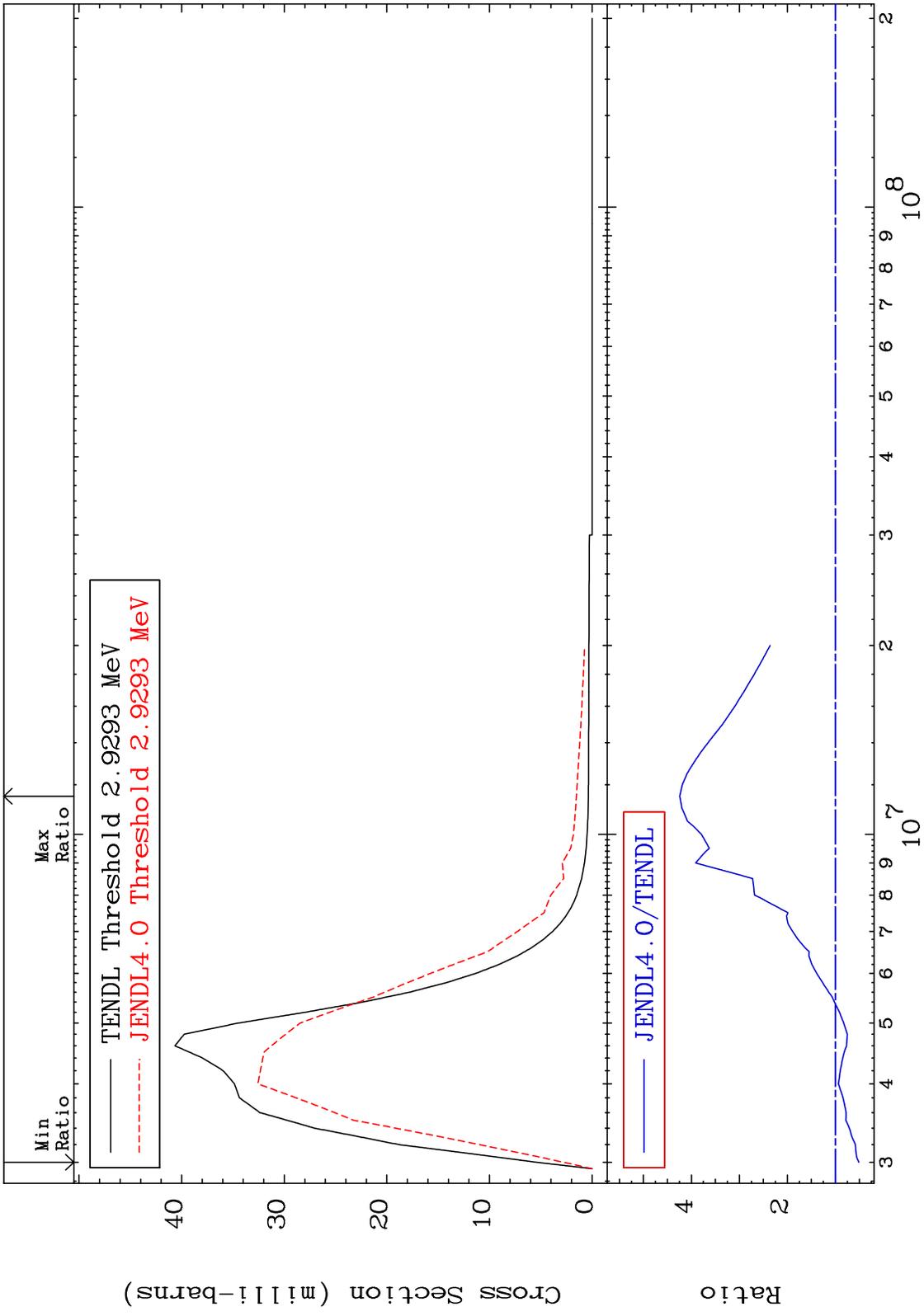
MAT 3449 MT= 55 (n,n') Level Cross Section 34-Se-82
 -55.86 To 9999. %



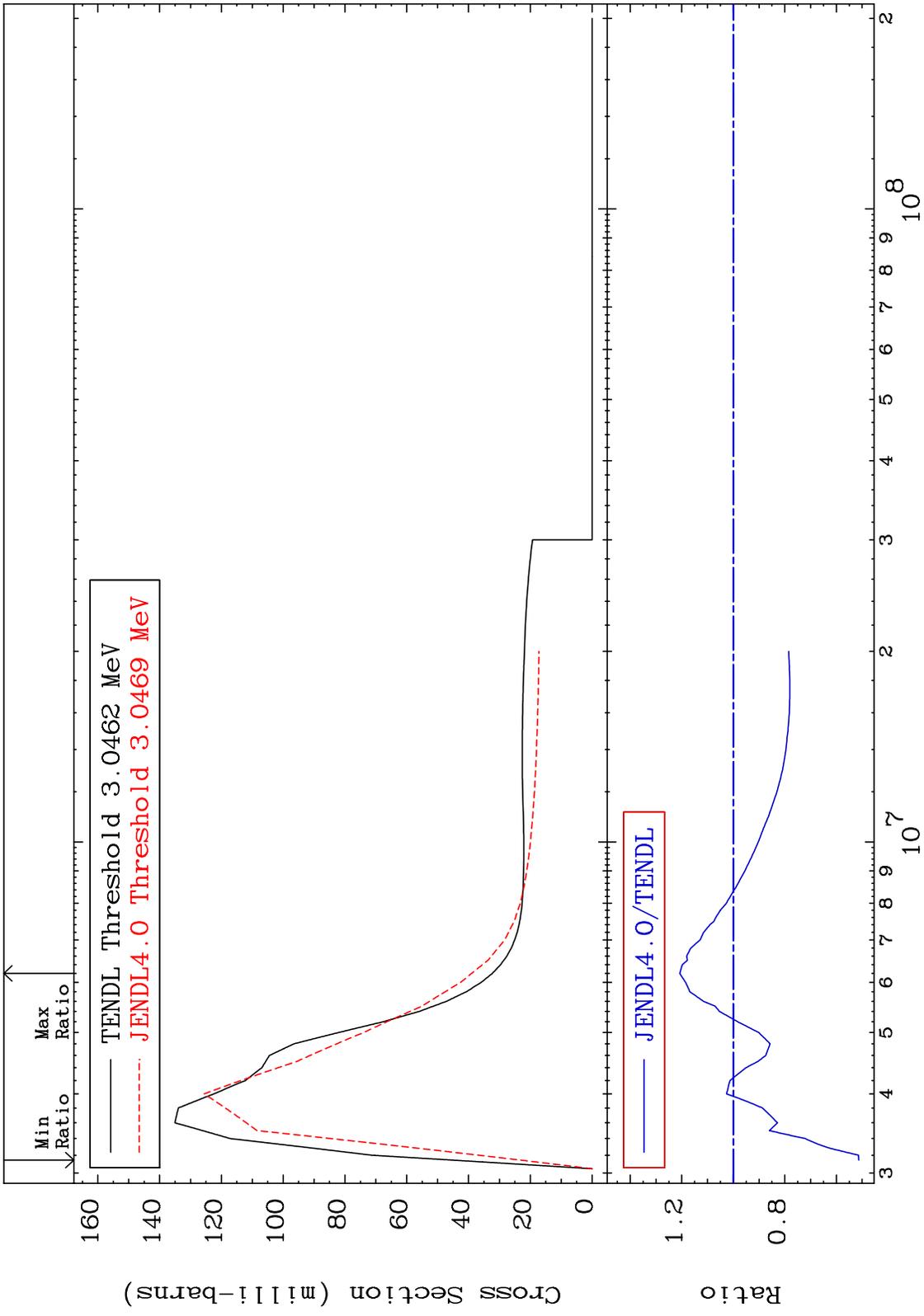
MAT 3449 MT= 56 (n,n') Level Cross Section 34-Se-82 To 9999. %
 109.8



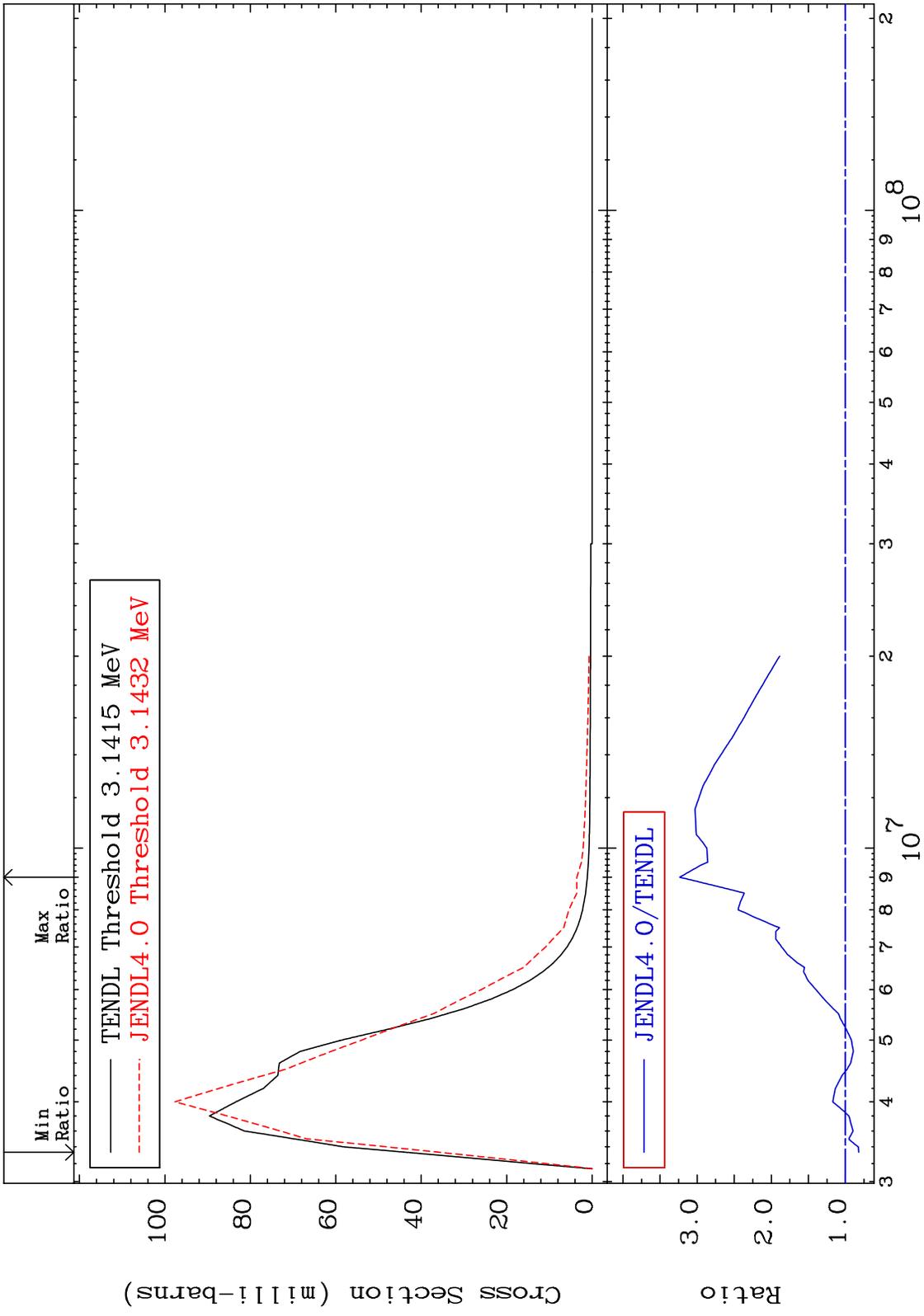
MAT 3449 MT= 57 (n,n') Level Cross Section 34-Se-82
 -48.89 To 324.3 %



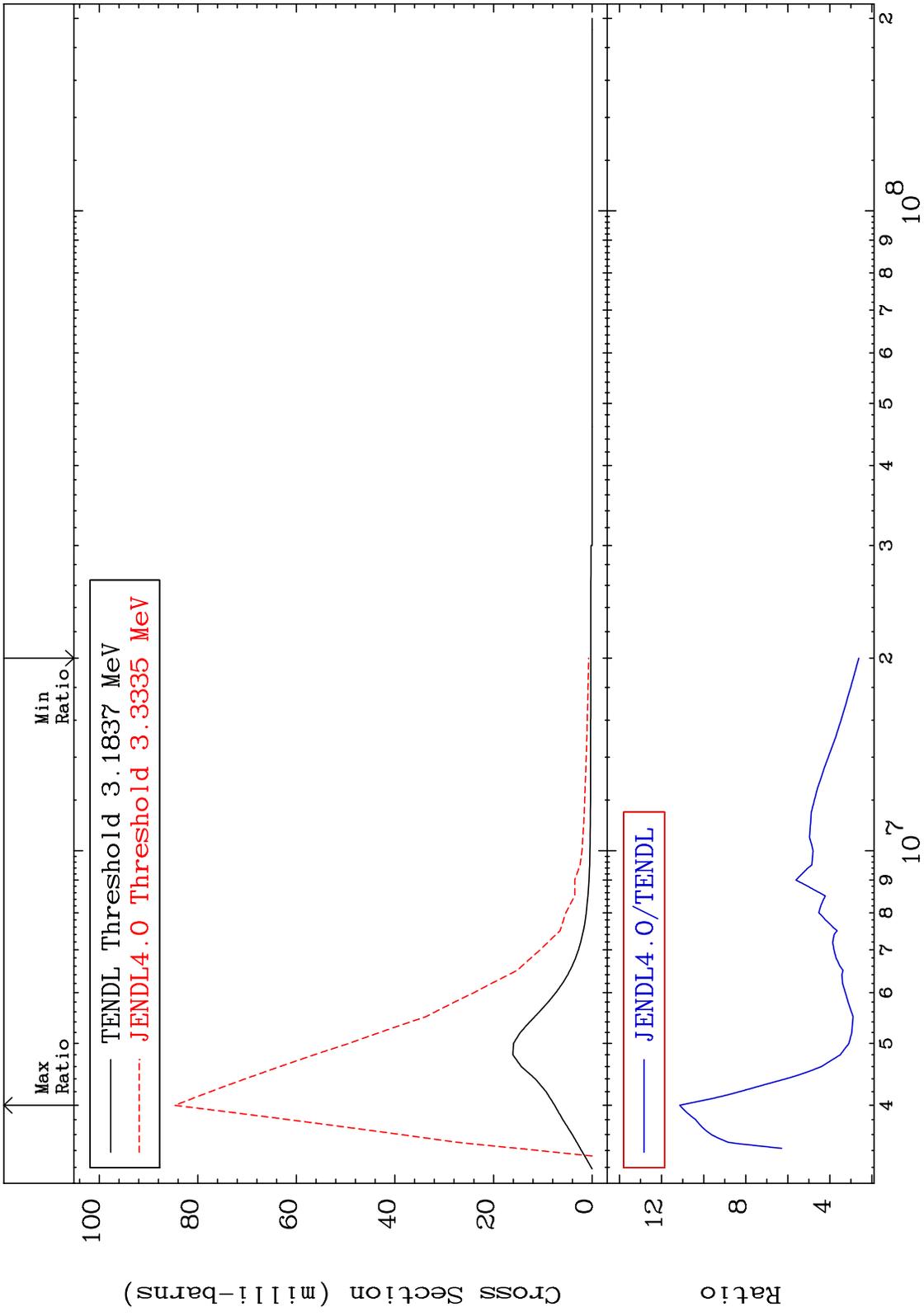
MAT 3449 MT= 58 (n,n') Level 34-Se-82
 Cross Section -48.70 To 20.77 %



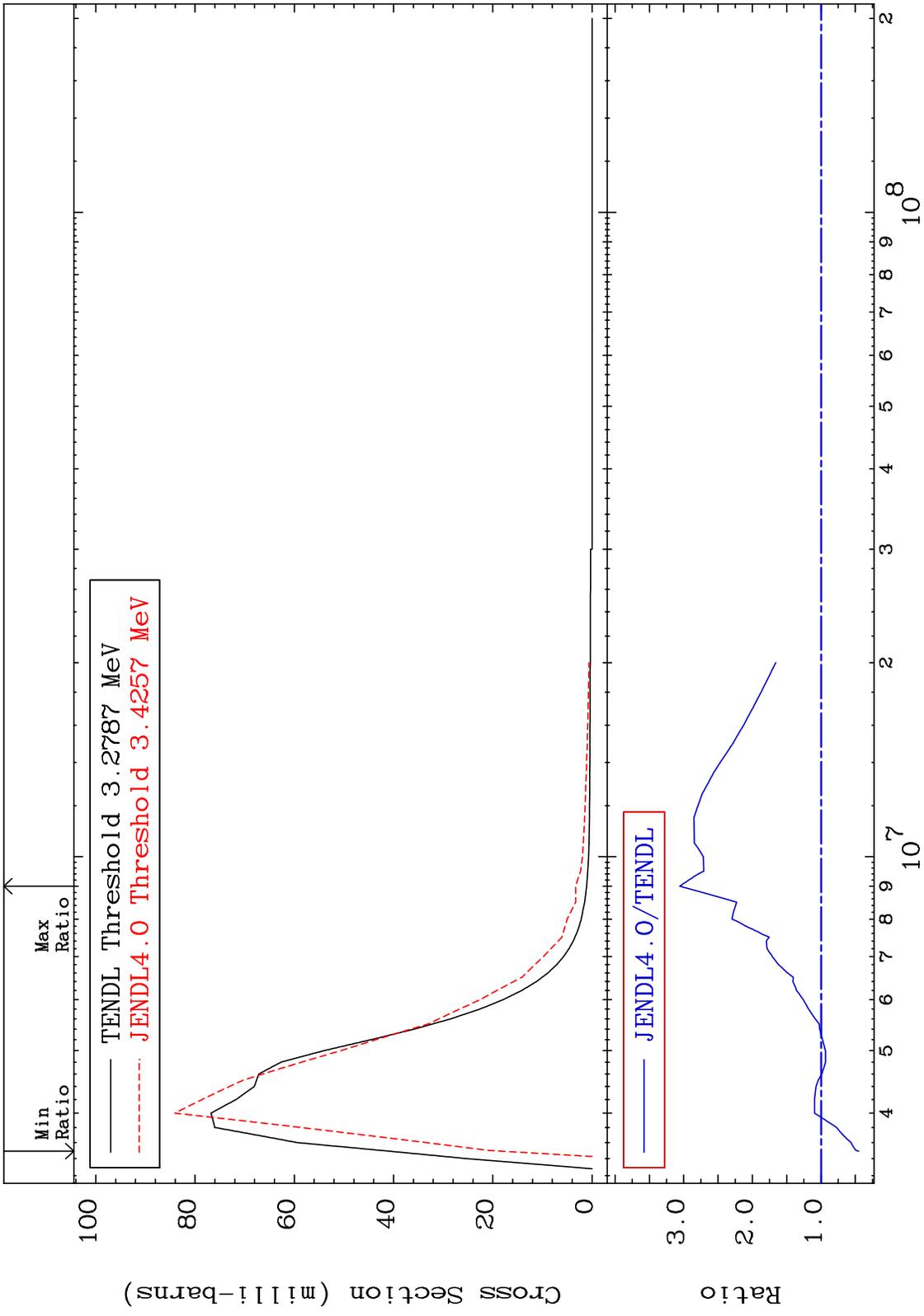
MAT 3449 MT= 59 (n,n') Level Cross Section 34-Se-82
 -18.02 To 223.5 %



MAT 3449 MT= 60 (n,n') Level Cross Section 34-Se-82 162.6 To 1014. %



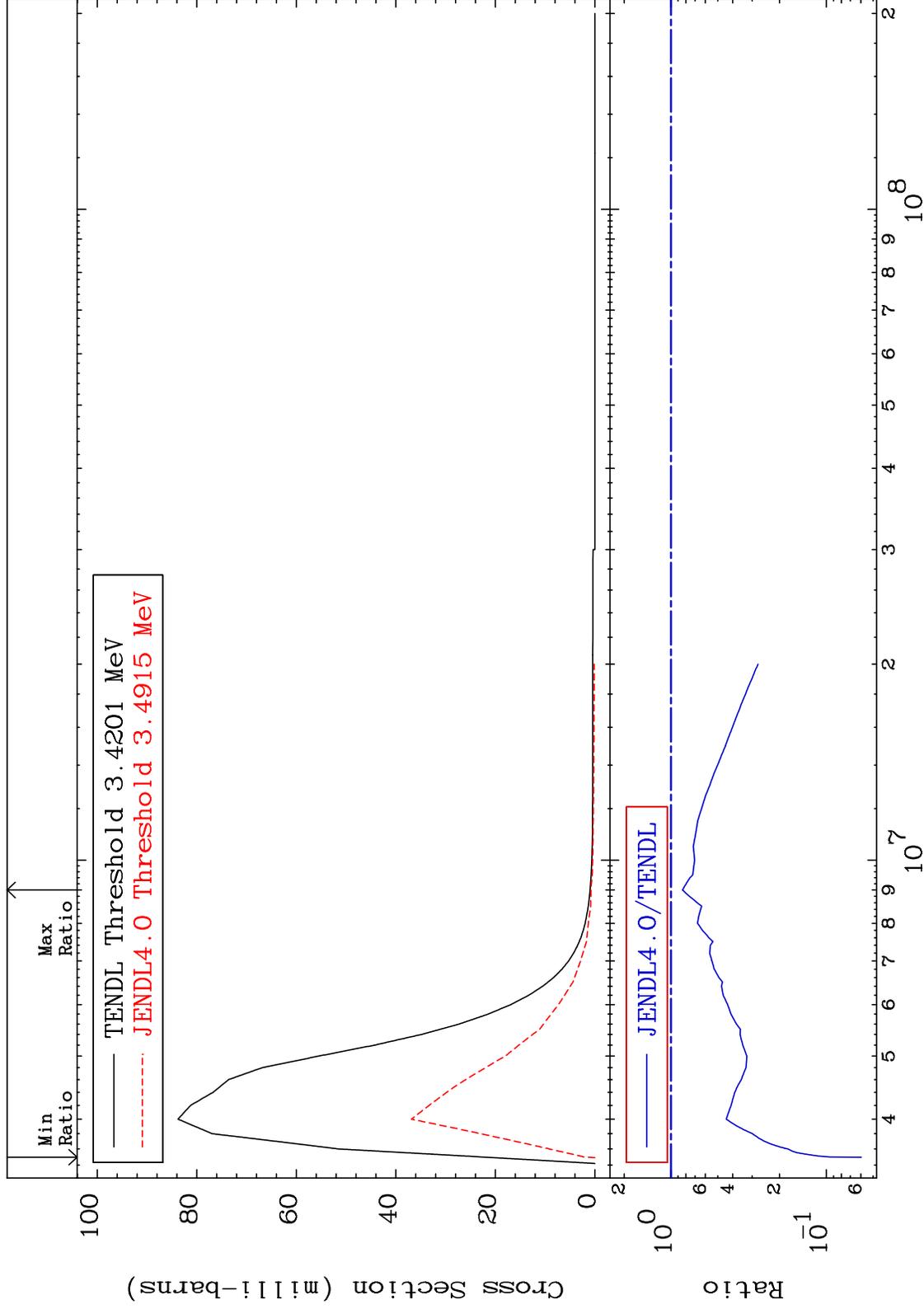
MAT 3449 MT= 61 (n,n') Level Cross Section 34-Se-82
 -55.05 To 205.7 %



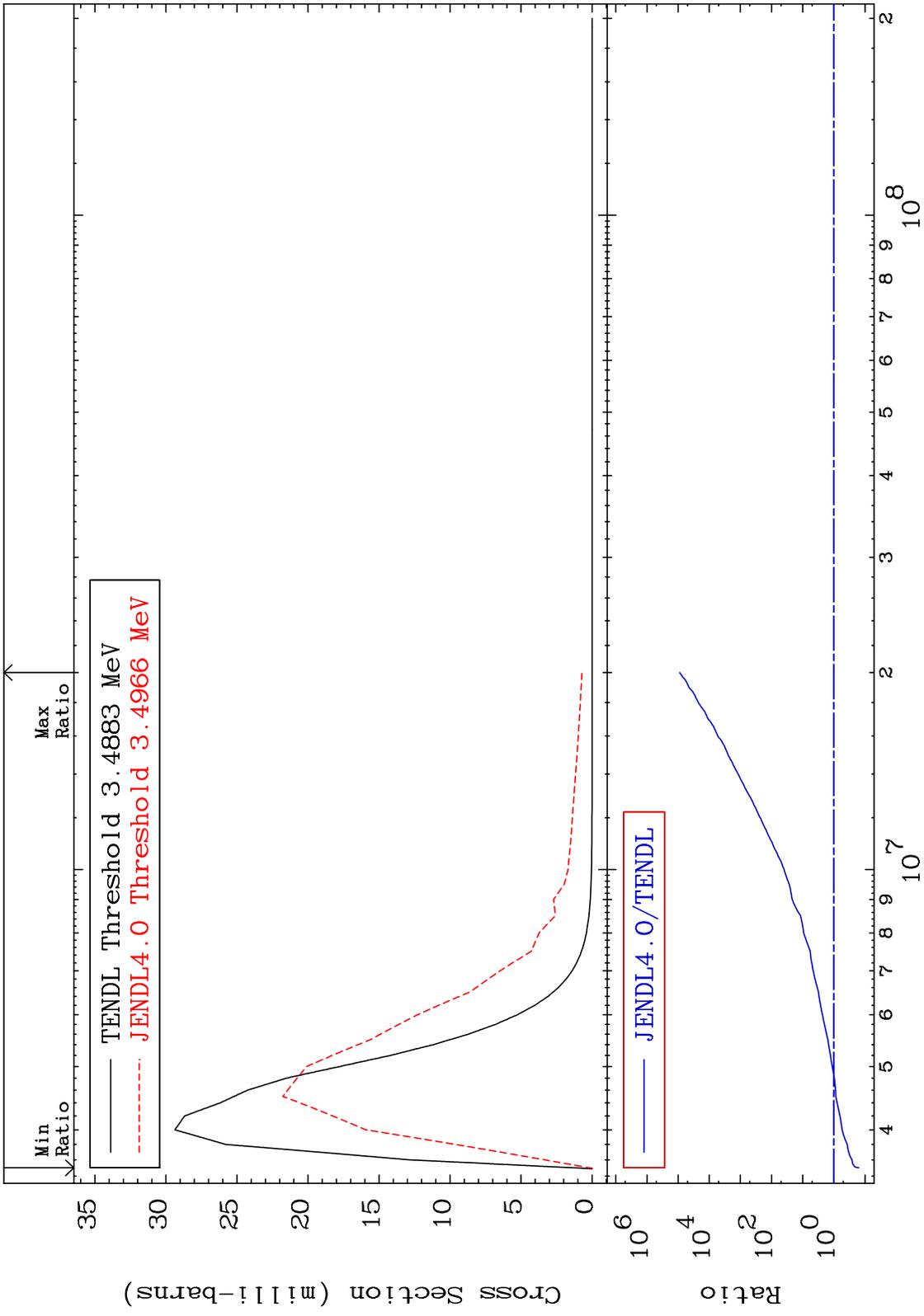
MAT 3449

MT= 62 (n,n') Level
Cross Section

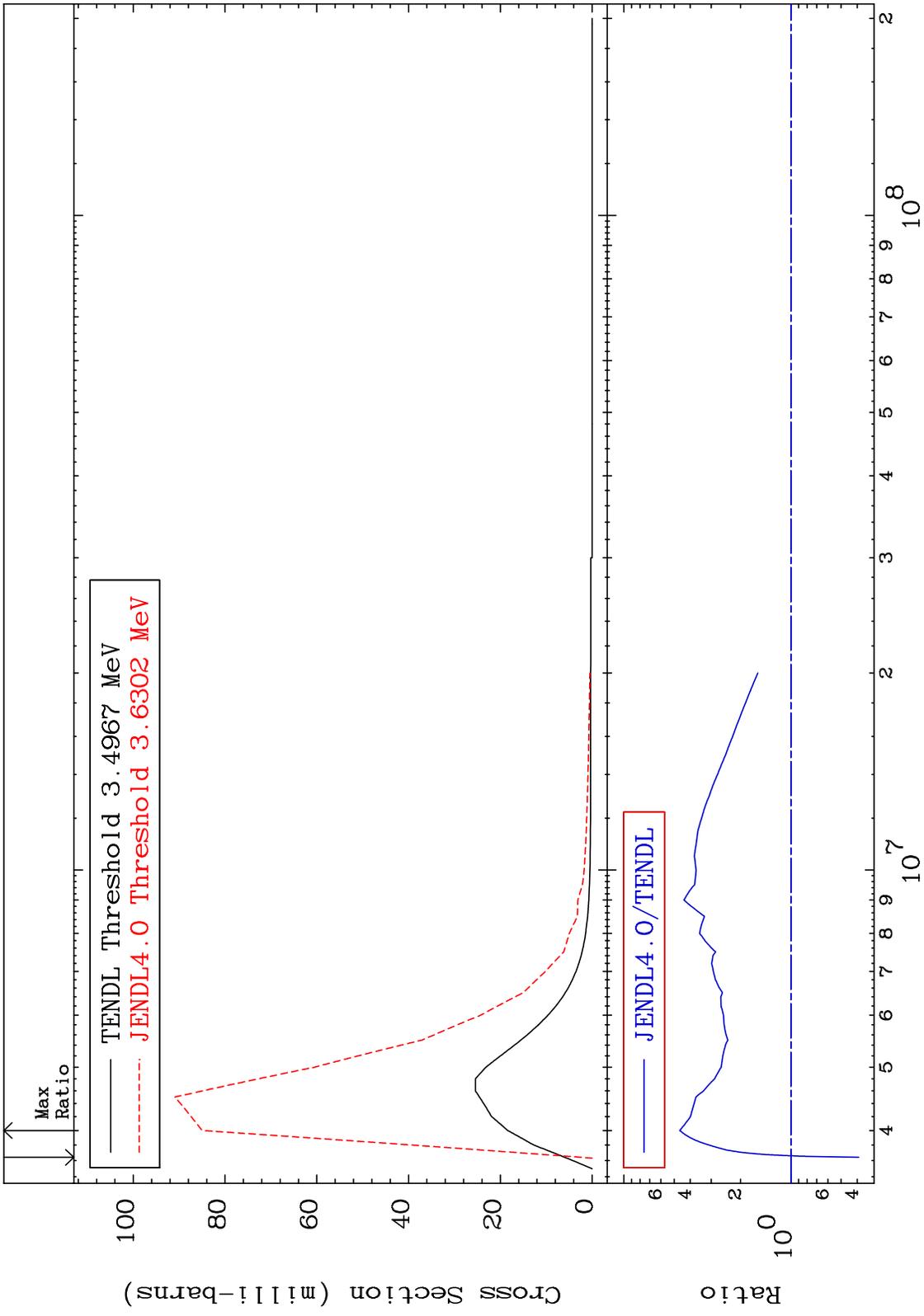
34-Se-82
-94.05 To -15.70%



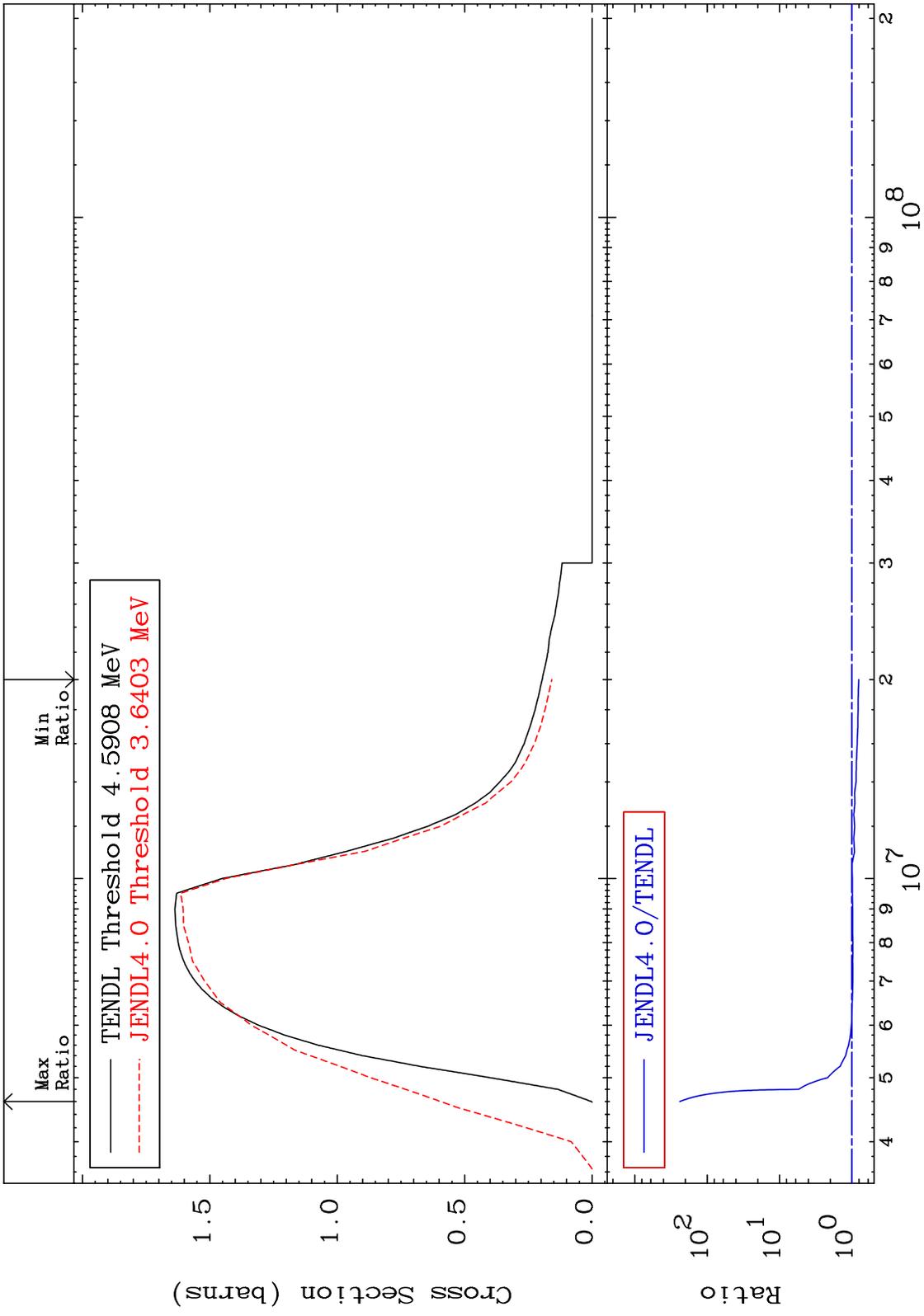
MAT 3449 MT= 63 (n,n') Level Cross Section 34-Se-82
 -84.18 To 9999. %



MAT 3449 MT= 64 (n,n') Level 34-Se-82
 Cross Section -60.82 To 362.6 %

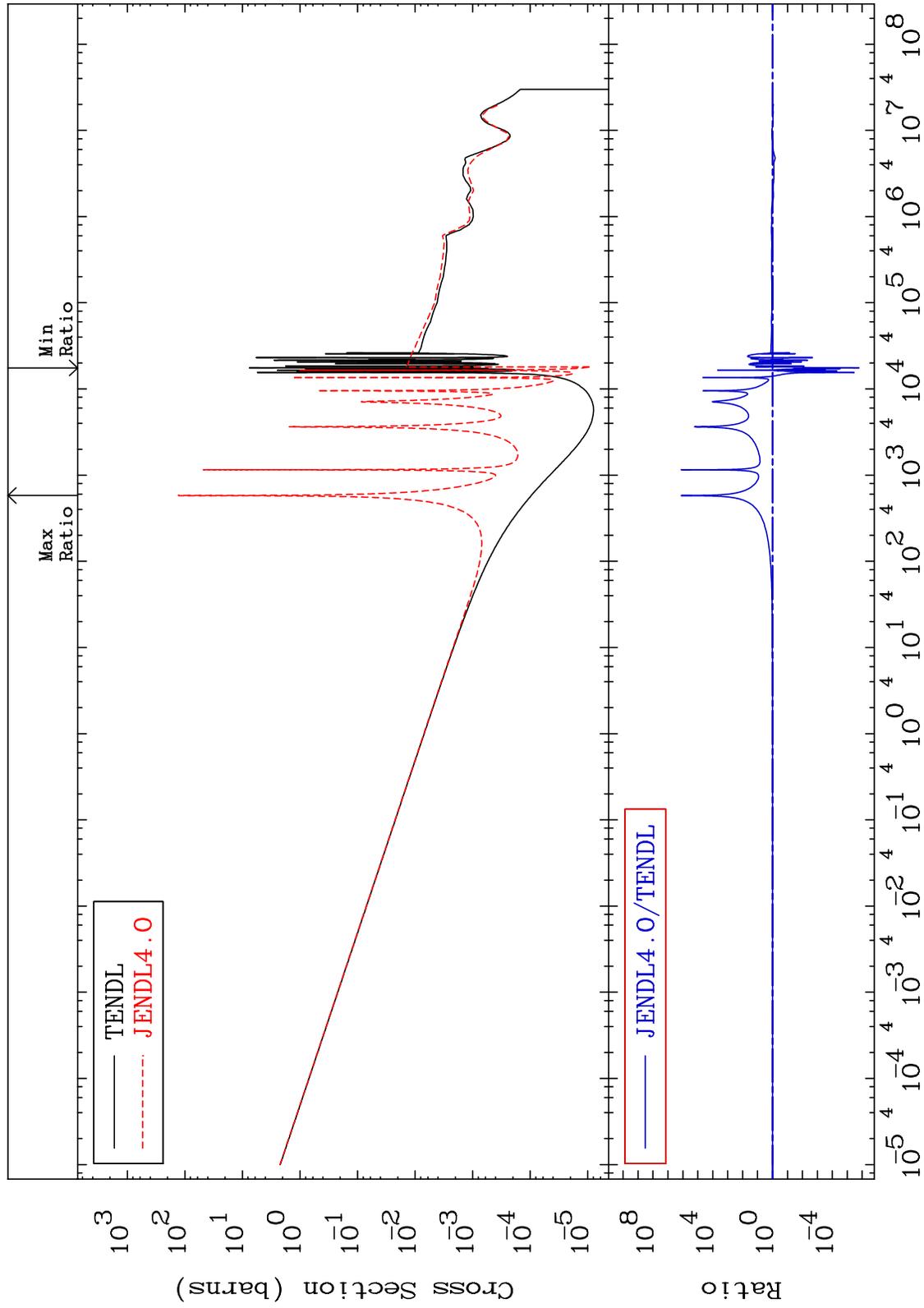


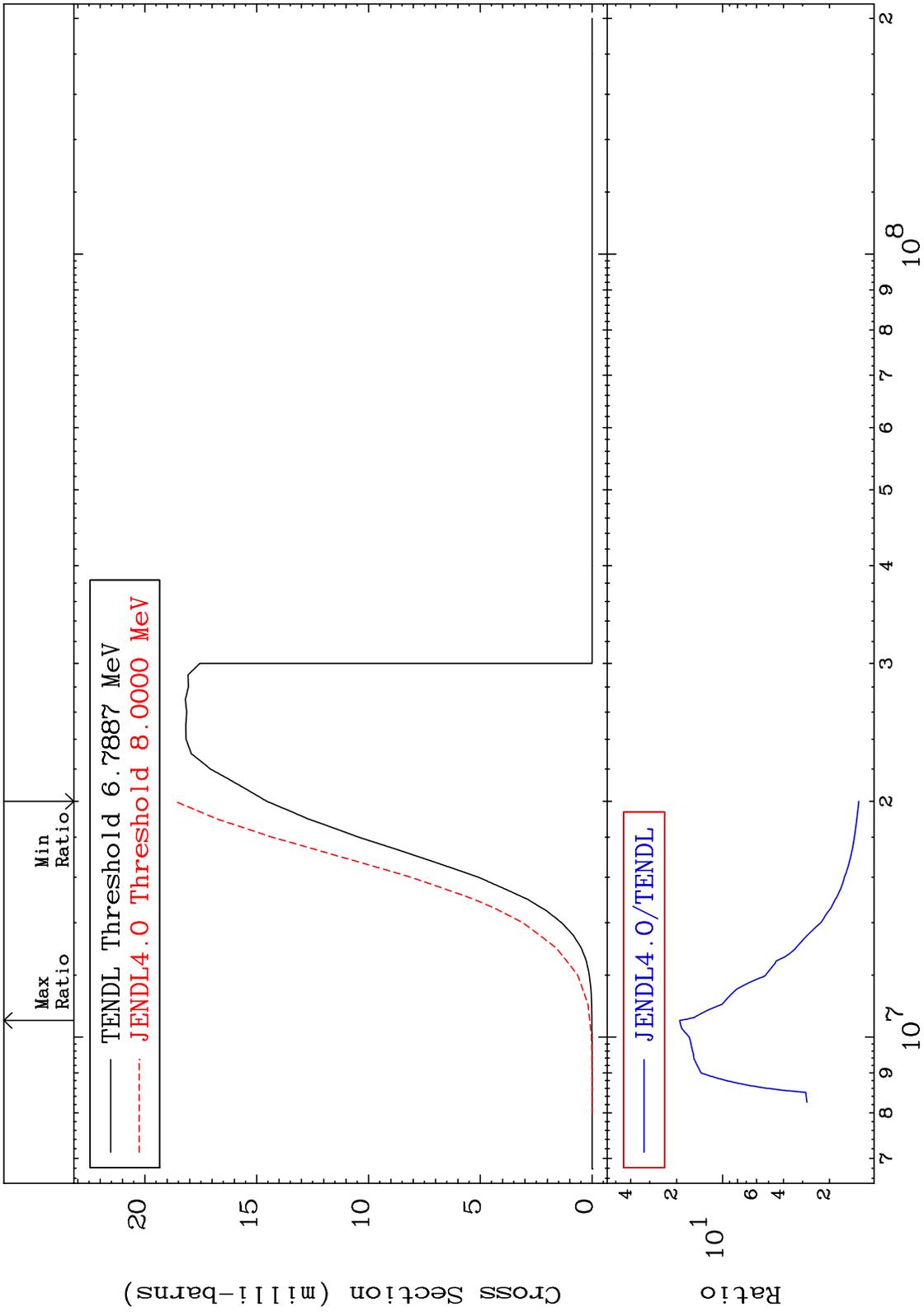
MAT 3449 (n,n') Continuum Cross Section 34-Se-82
 -19.39 To 9999. %



MAT 3449

(n, γ) Cross Section
-100.0 To 9999. %
34-Se-82





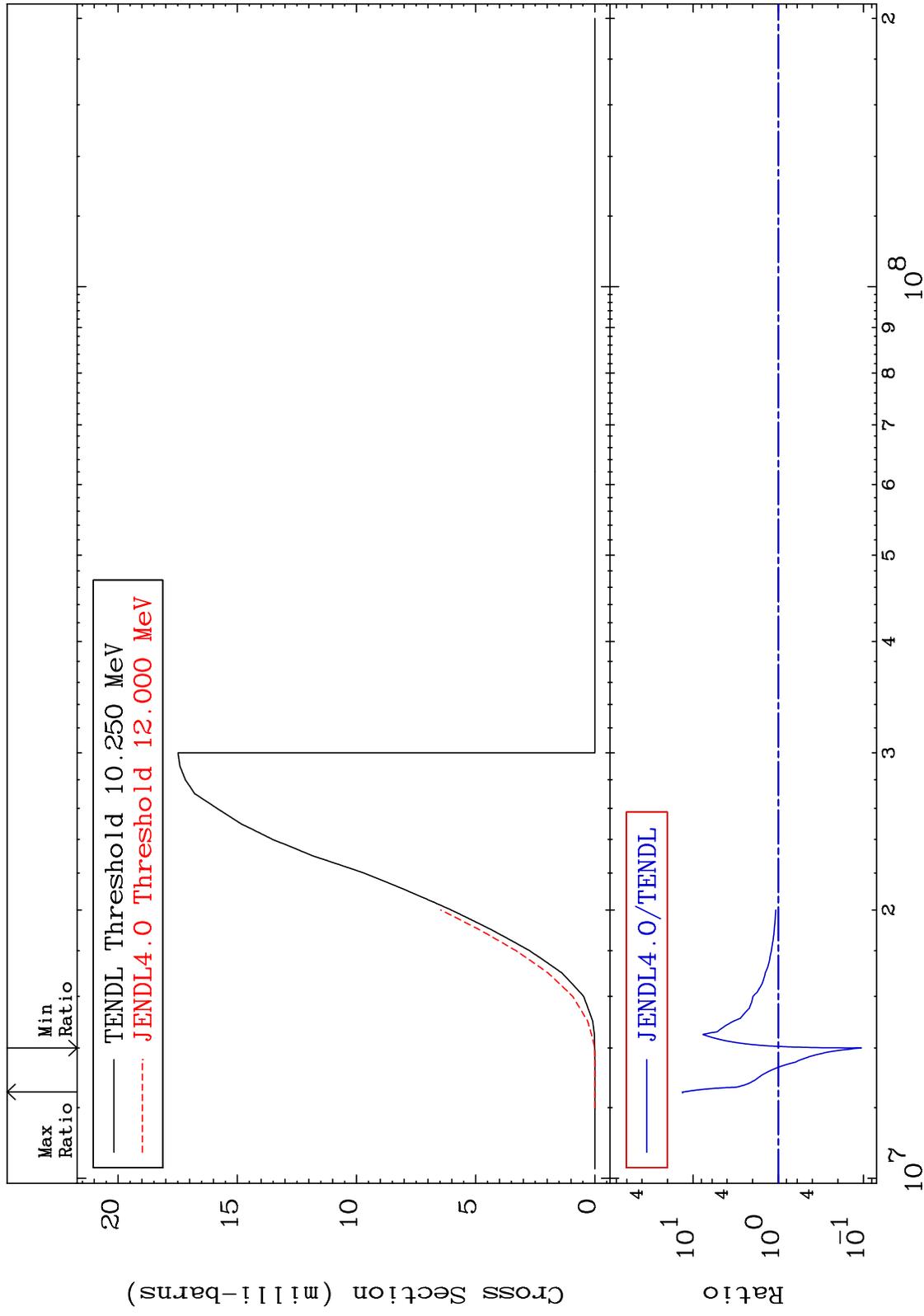
MAT 3449

(n,d)

34-Se-82

Cross Section

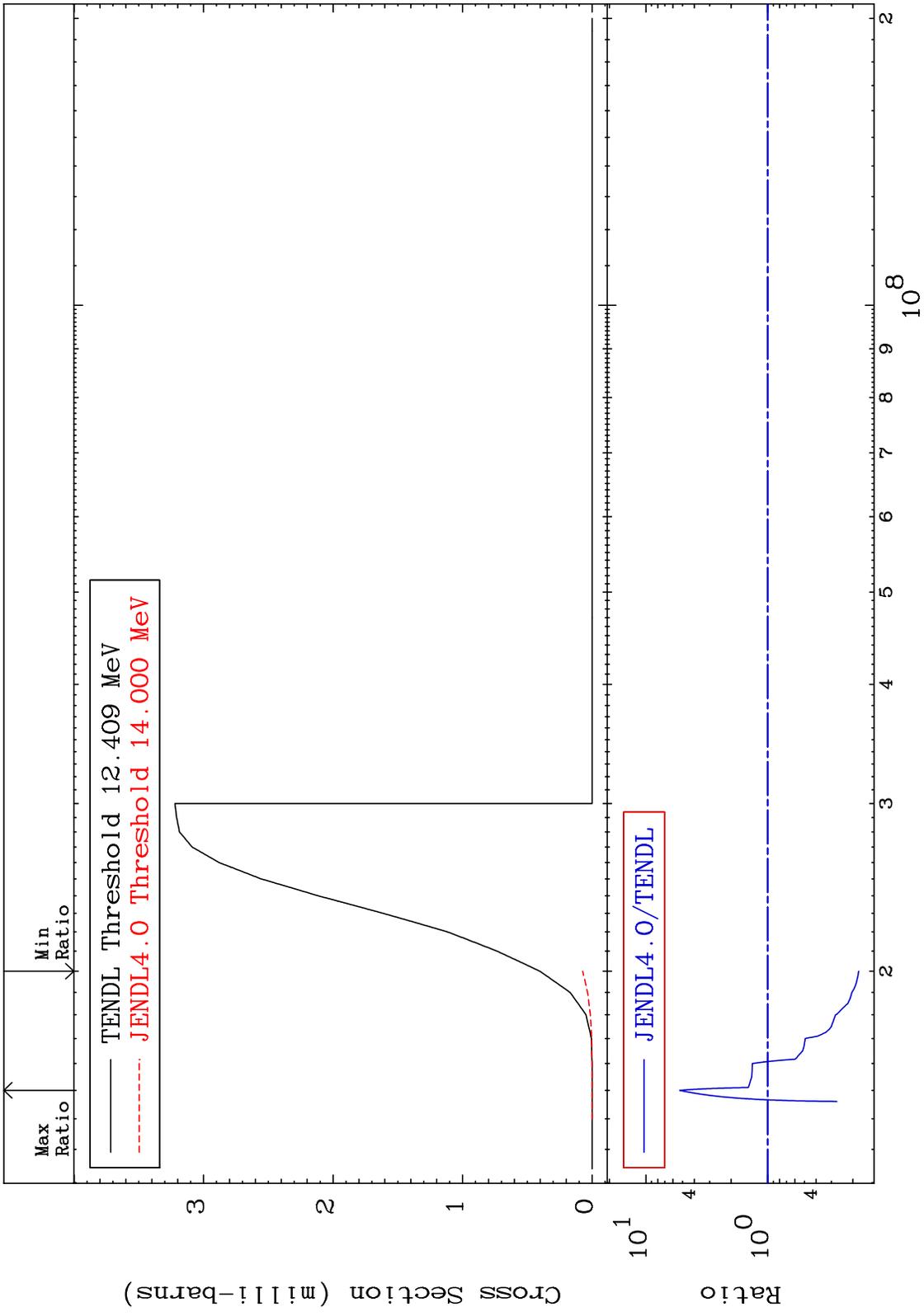
-89.41 To 1236. %



25

34-Se-82

34-Se-82



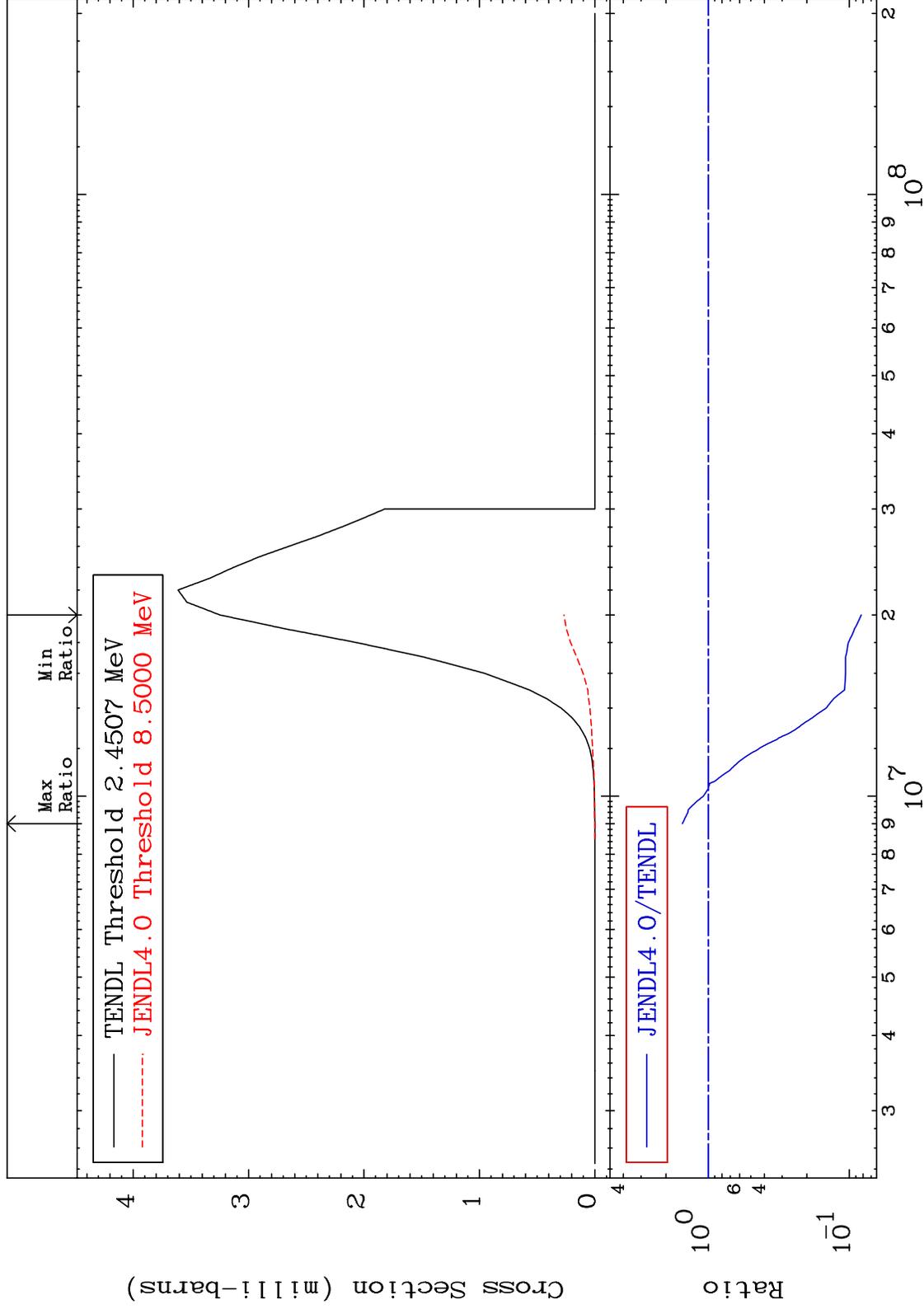
MAT 3449

(n, α)

³⁴Se-82

-91.78 To 52.60 %

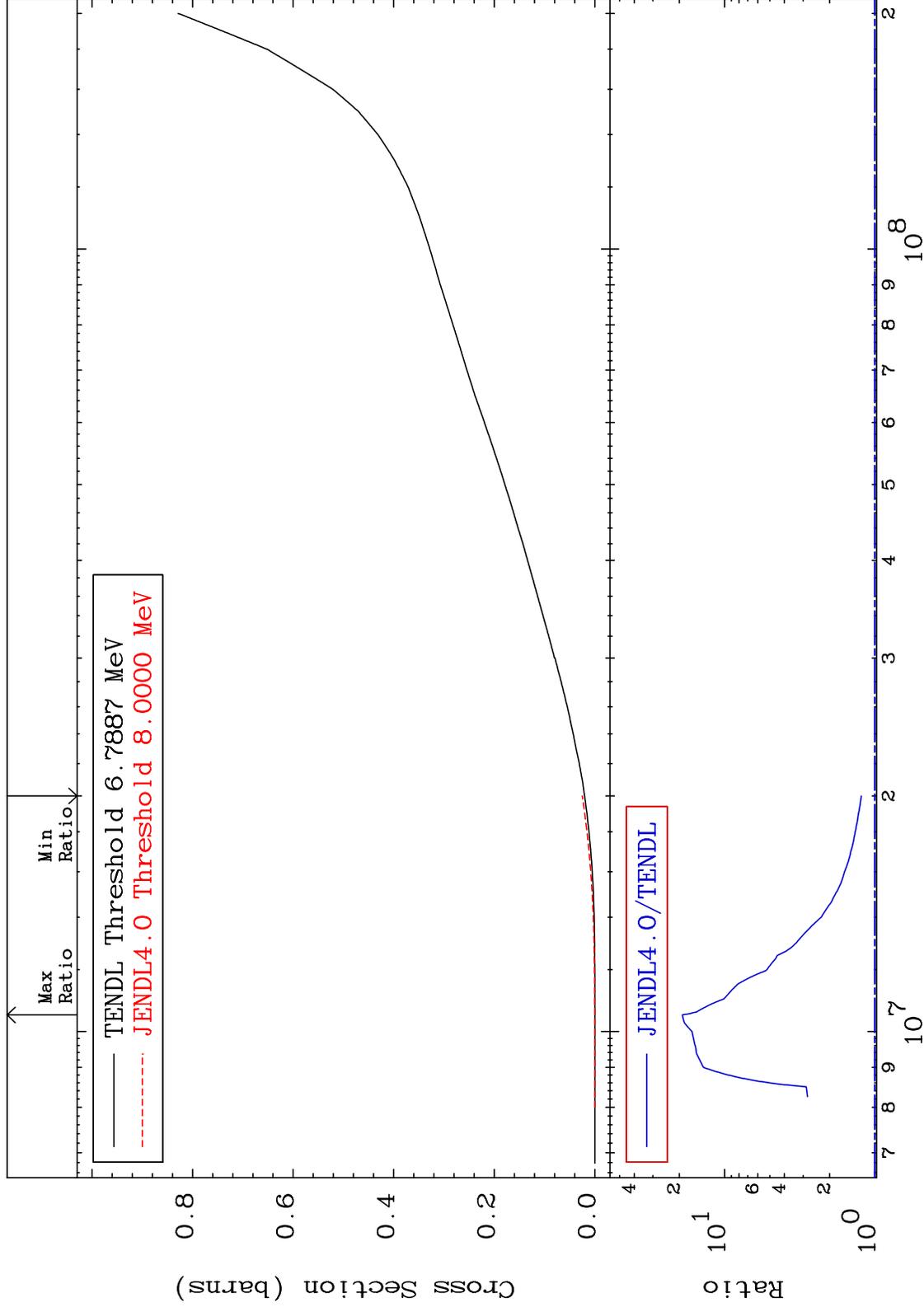
Cross Section



MAT 3449

Hydrogen Production
Cross Section

34-Se-82
22.73 To 1808. %



28

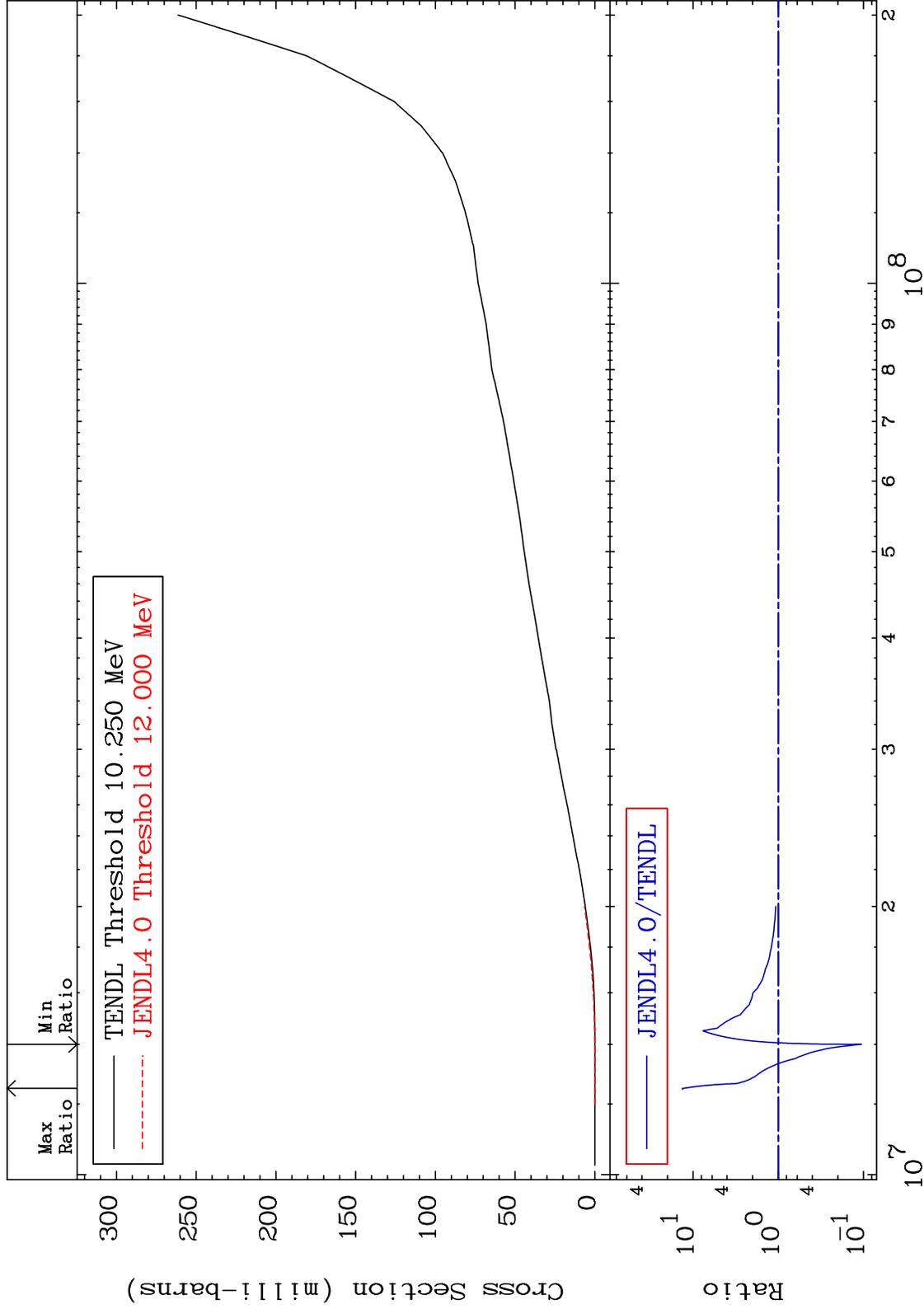
Incident Energy (eV)

34-Se-82

MAT 3449

Deuterium Production
Cross Section

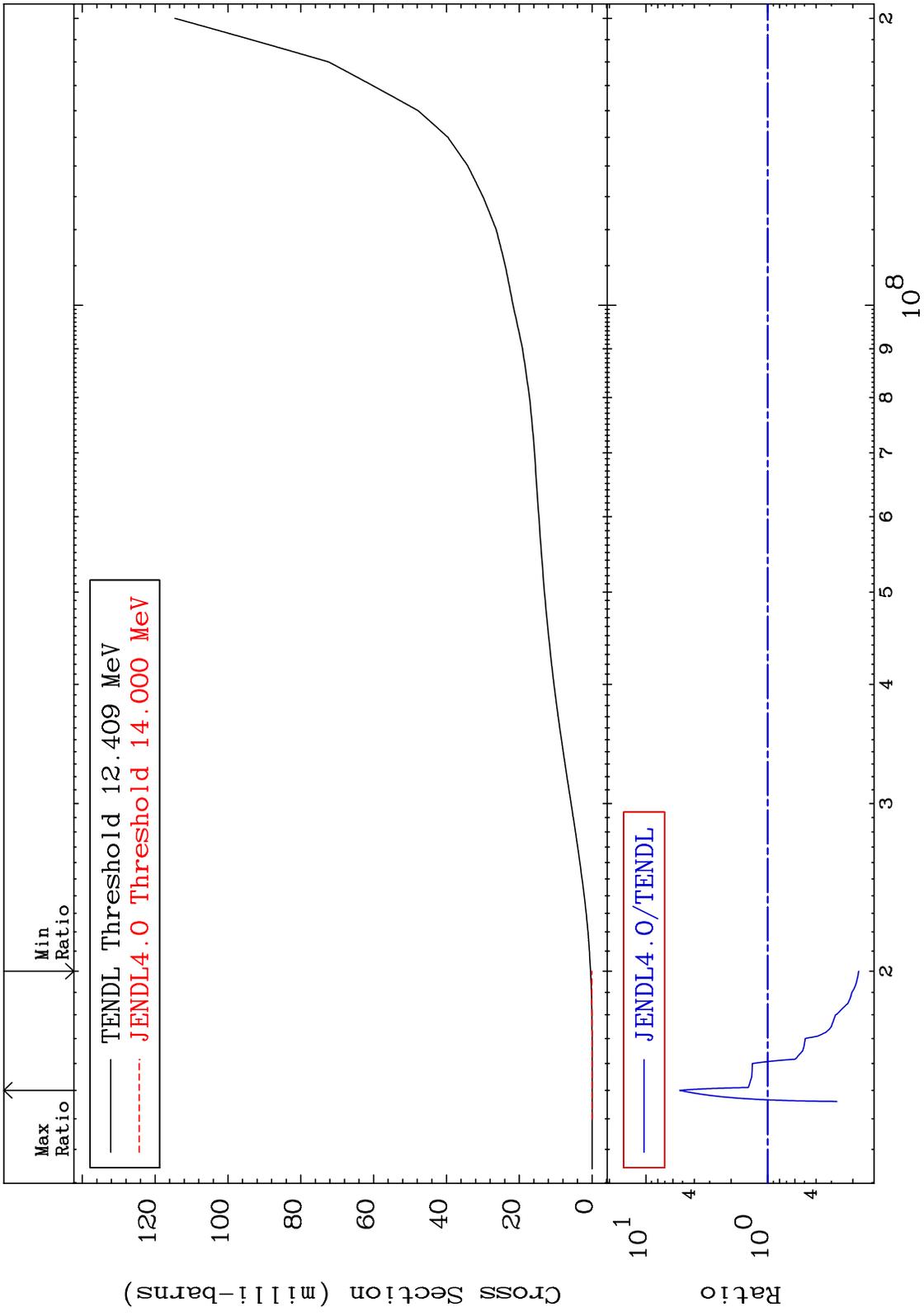
34-Se-82
-89.41 To 1236. %



29

Incident Energy (eV)

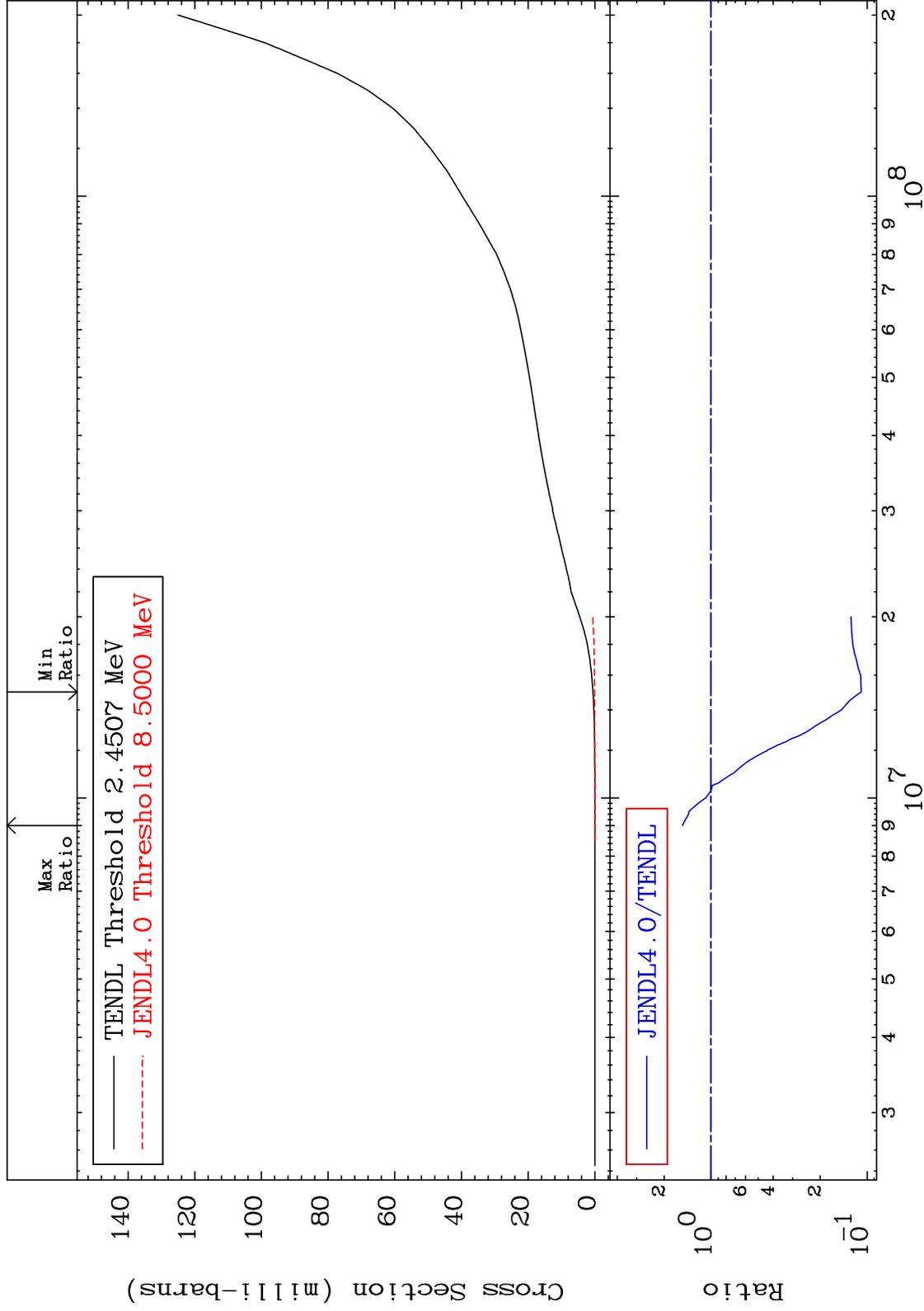
34-Se-82



MAT 3449

He-4 Production
Cross Section

34-Se-82
-89.11 To 52.60 %

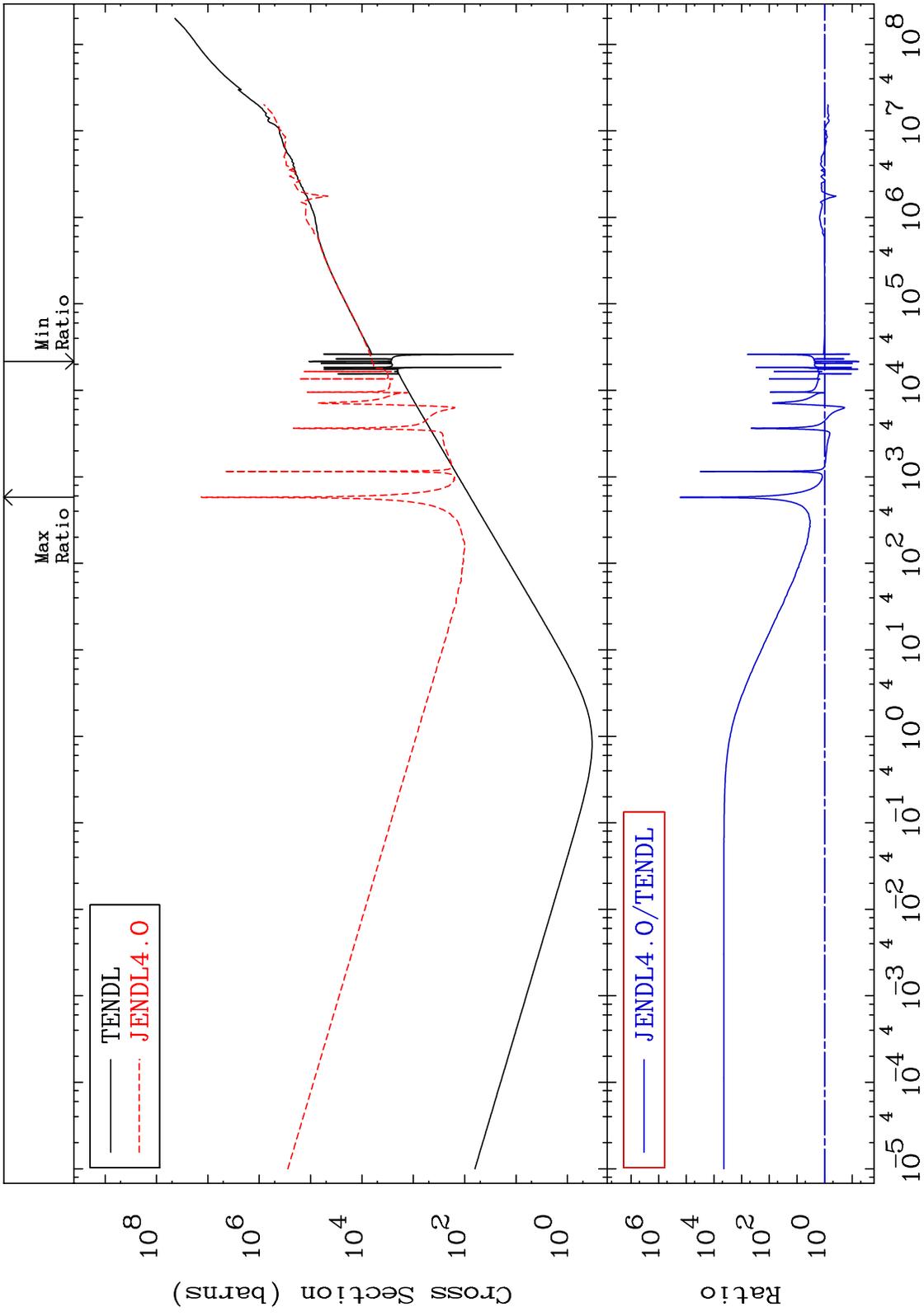


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Incident Energy (eV)

34-Se-82

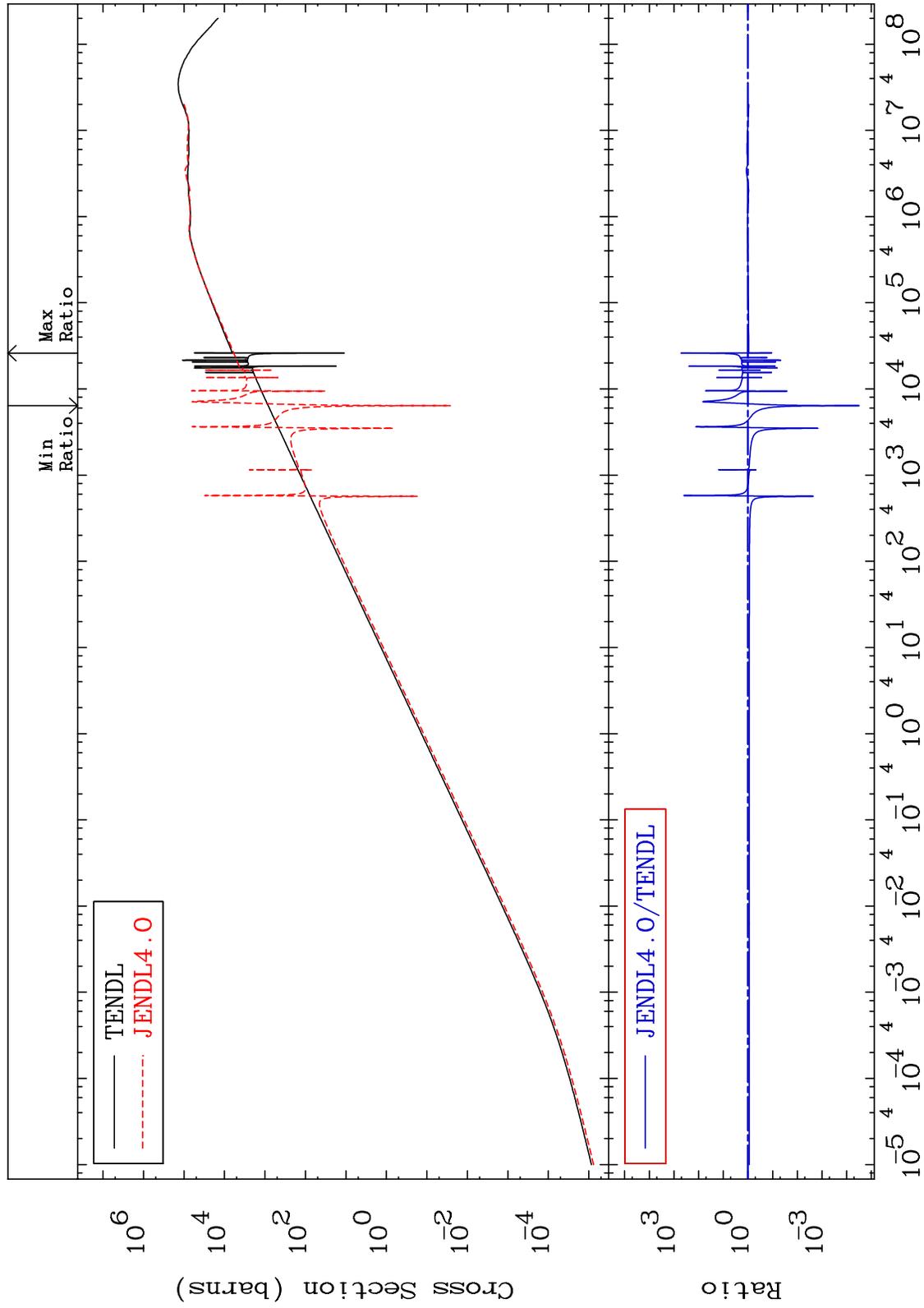
MAT 3449 Kerma total (eV-barns) Cross Section 34-Se-82
 -94.18 To 9999. %



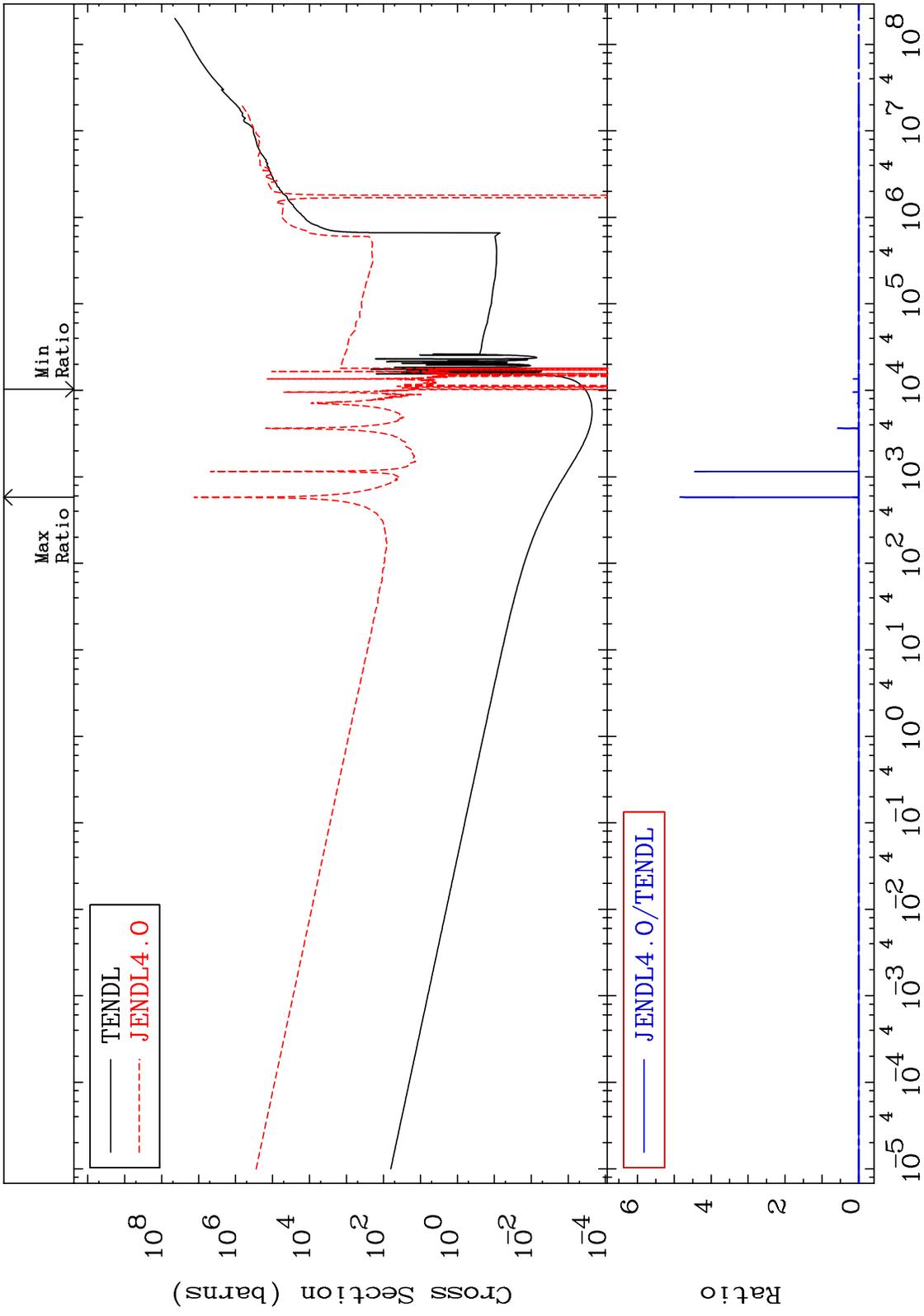
MAT 3449

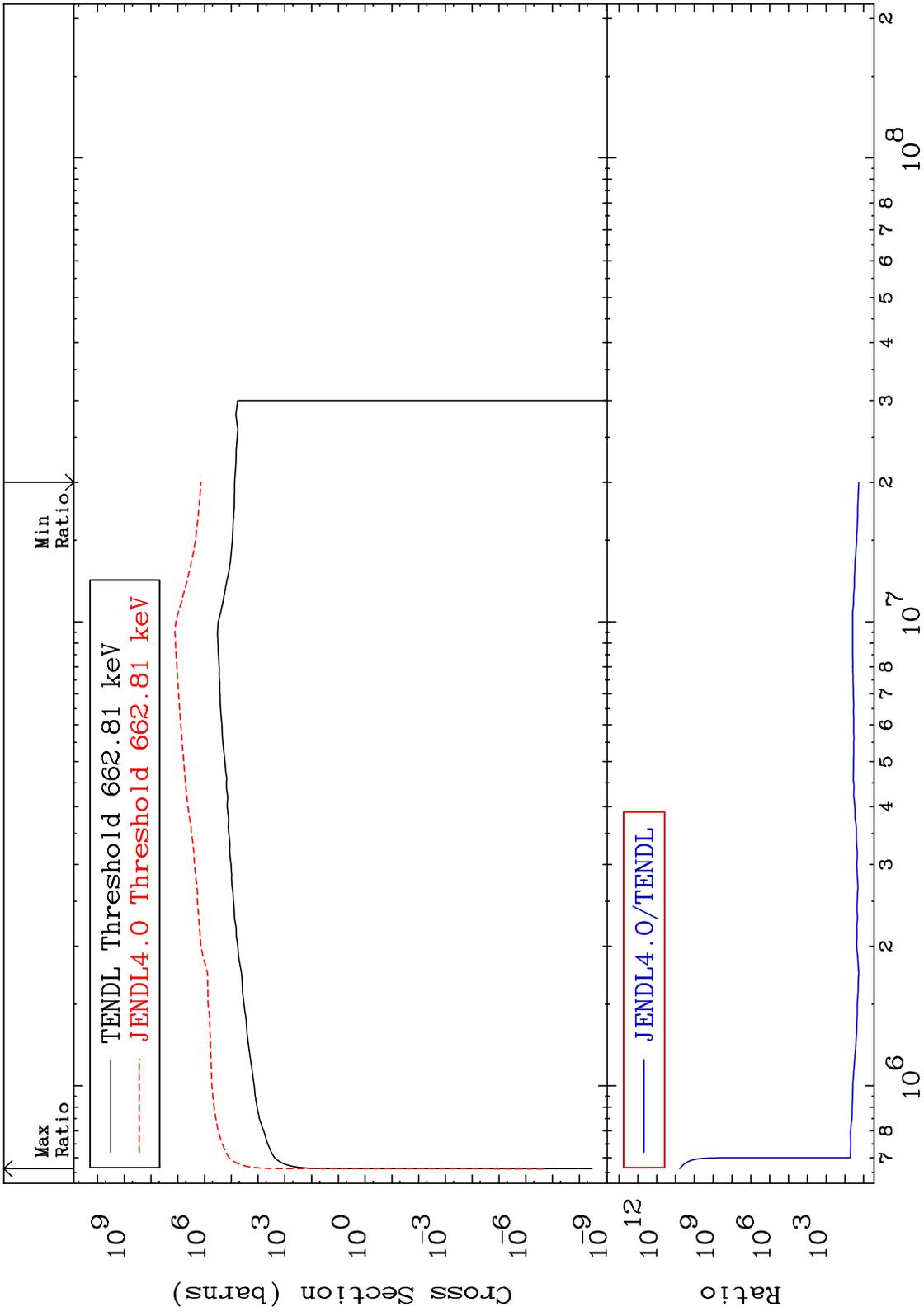
Kerma elastic
Cross Section

34-Se-82
-100.0 To 9999. %



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

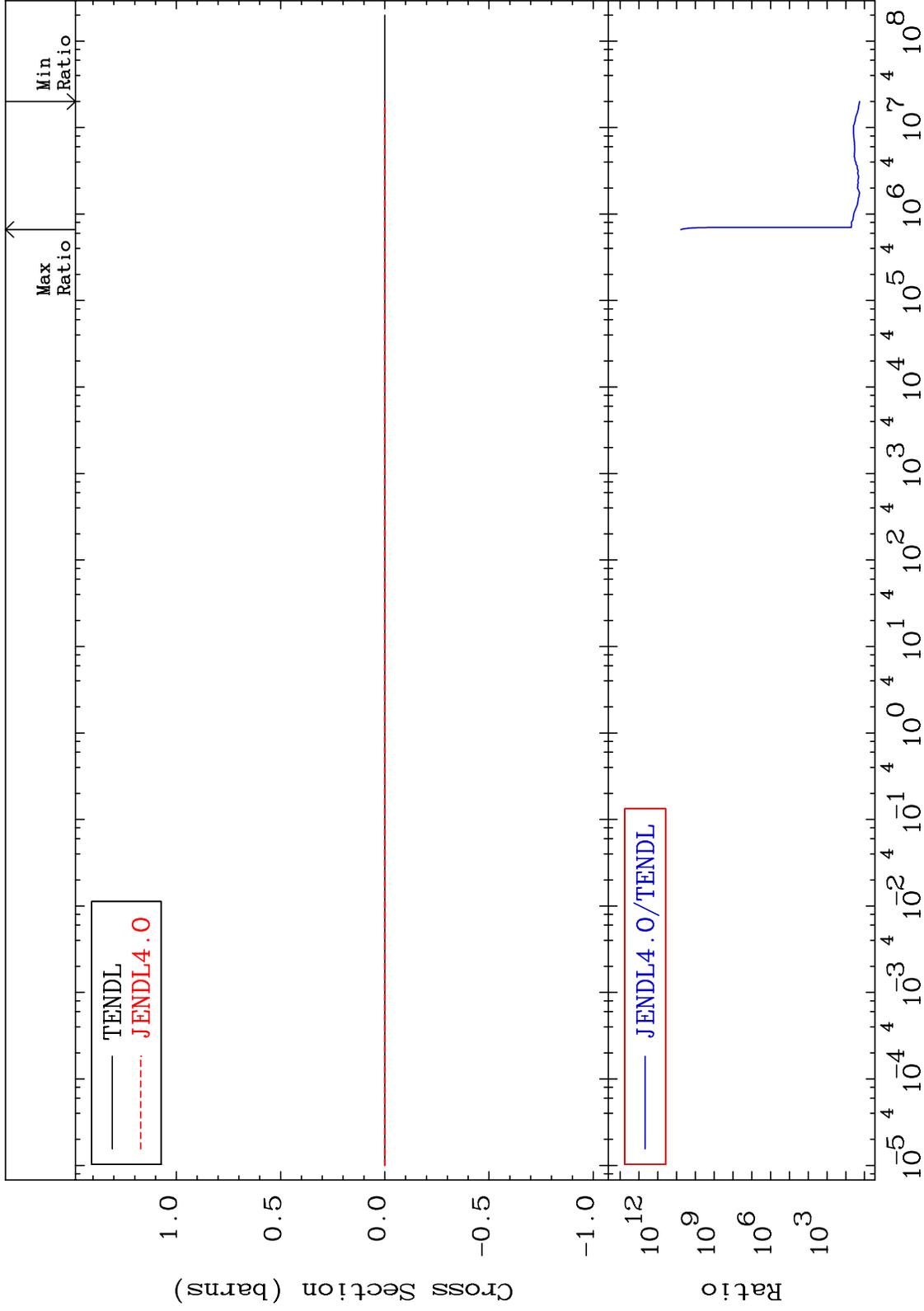




MAT 3449

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

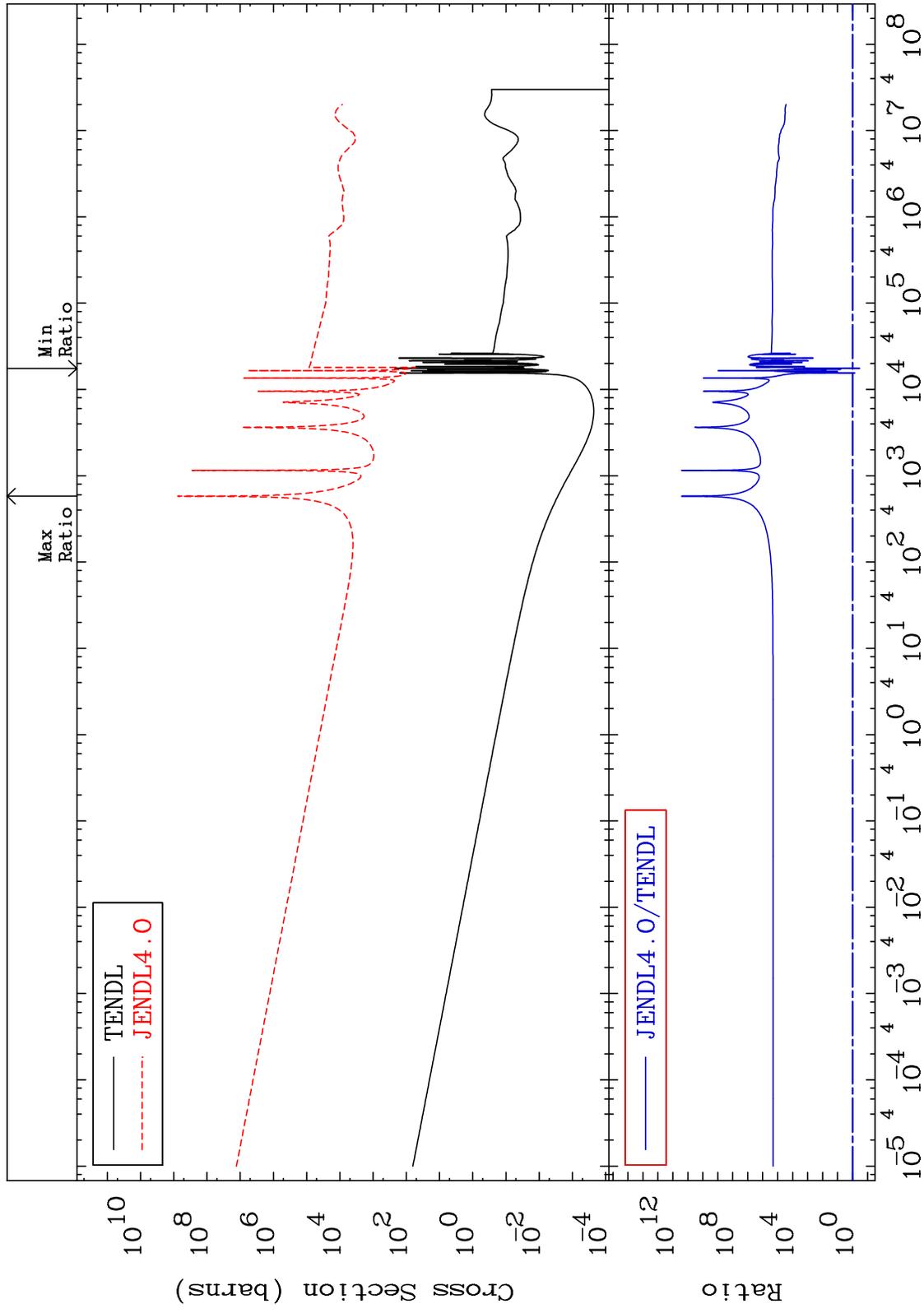
34-Se-82
1715. To 9999. %



MAT 3449

Kerma capture (mt102)
Cross Section

34-Se-82
-67.22 To 9999. %

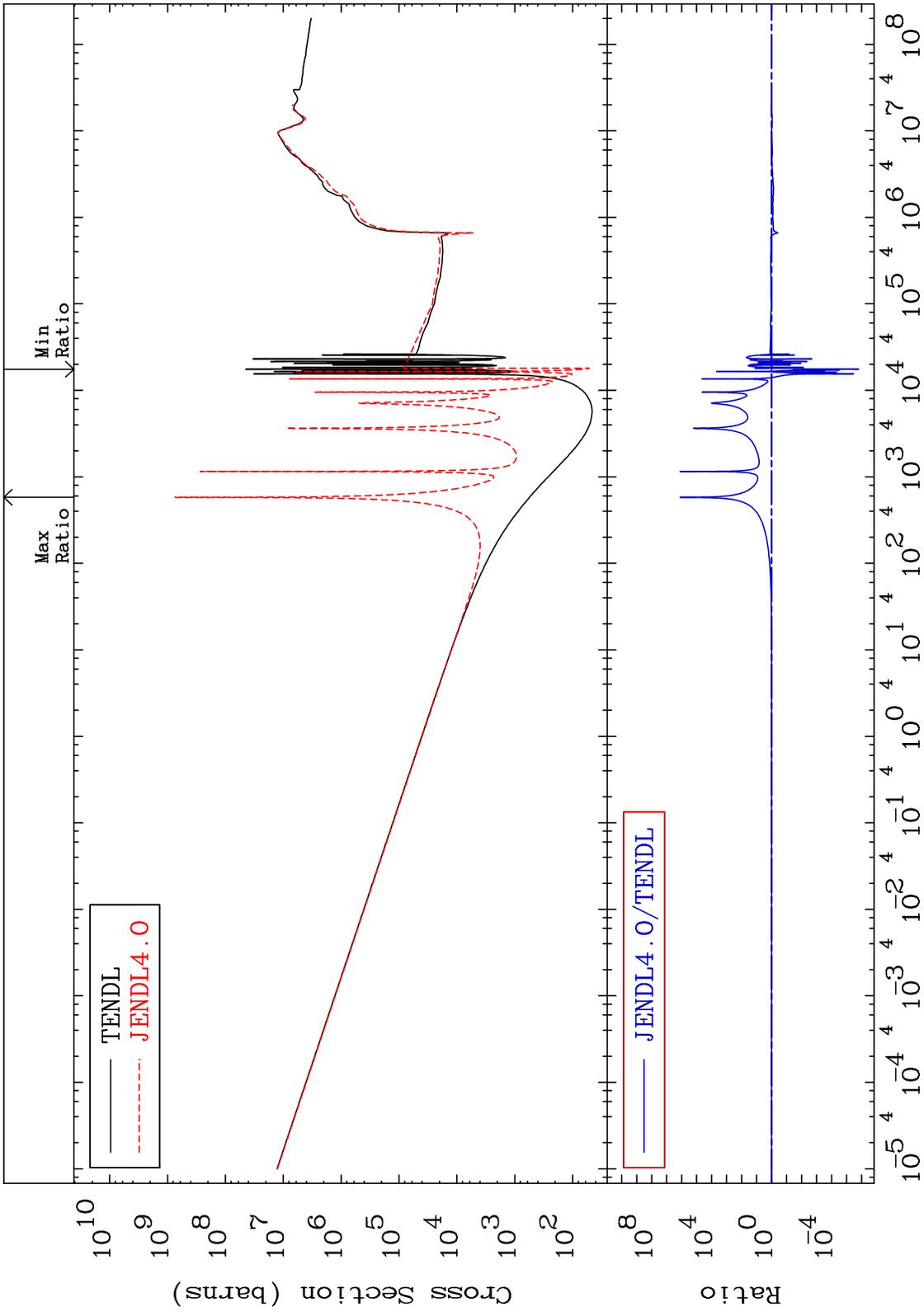


37

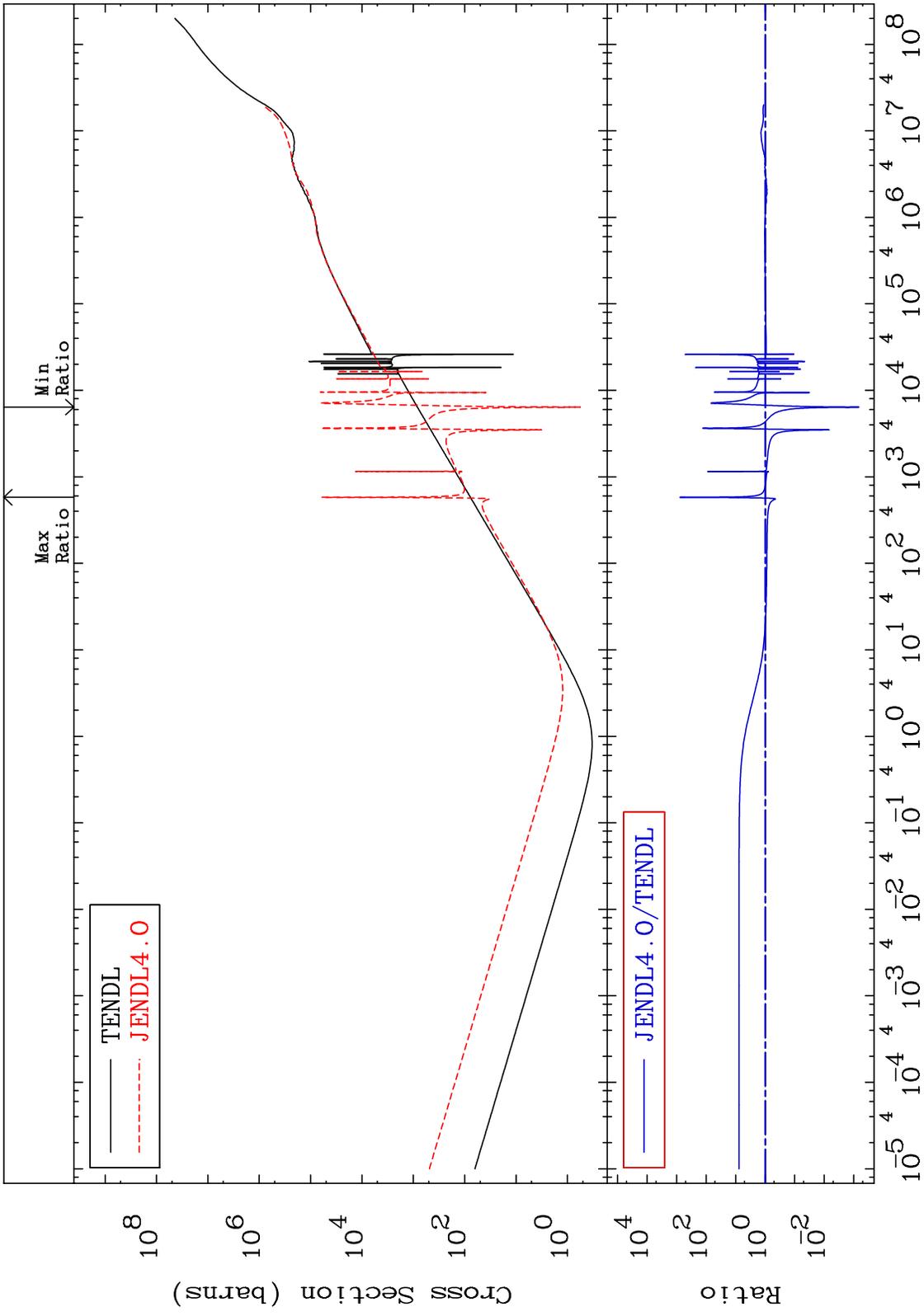
Incident Energy (eV)

34-Se-82

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



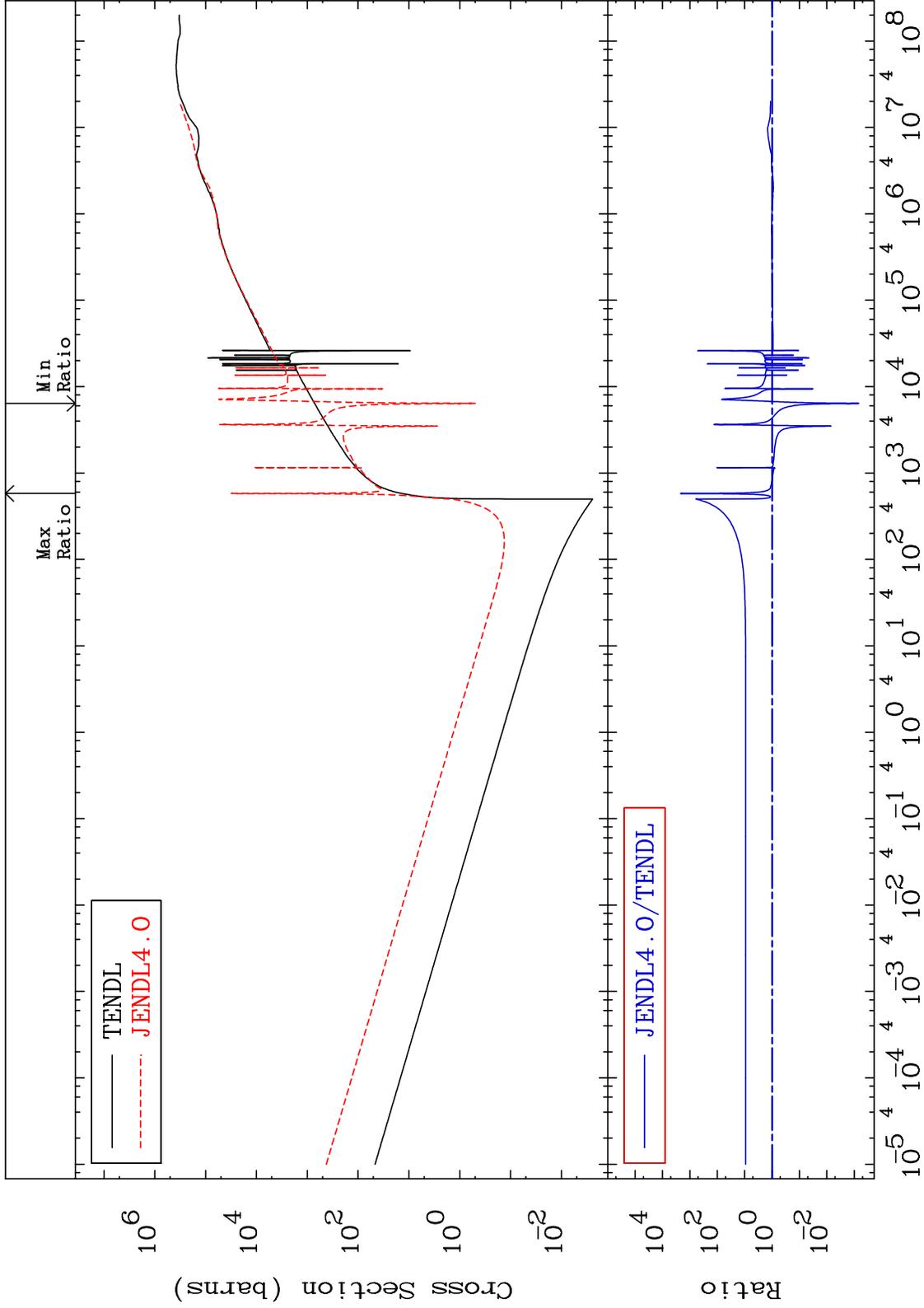
MAT 3449 Total kinematic kerma (high limit) 34-Se-82
 Cross Section -99.93 To 9999. %



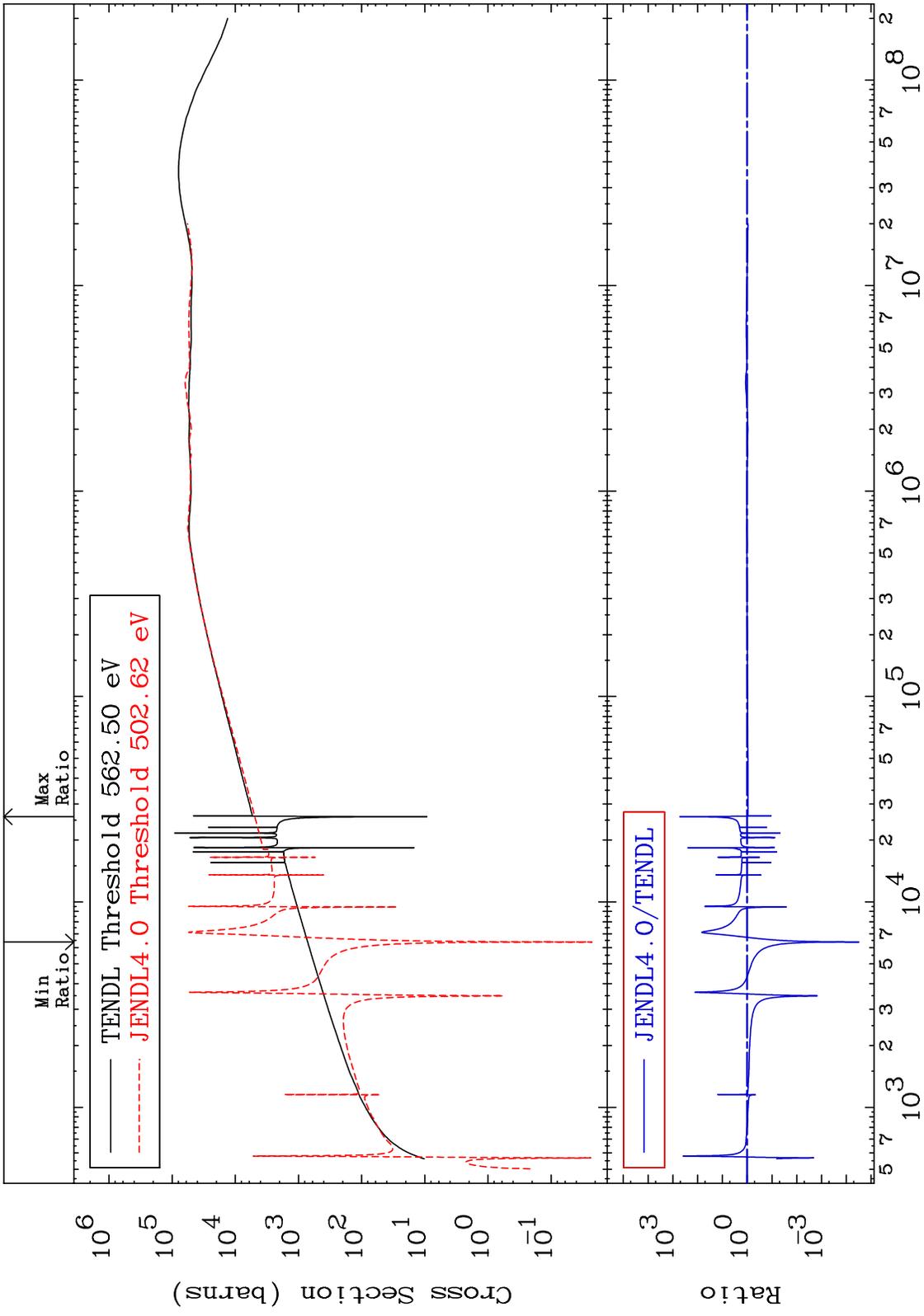
MAT 3449

Dpa total (eV-barns)
Cross Section

34-Se-82
-99.93 To 9999. %



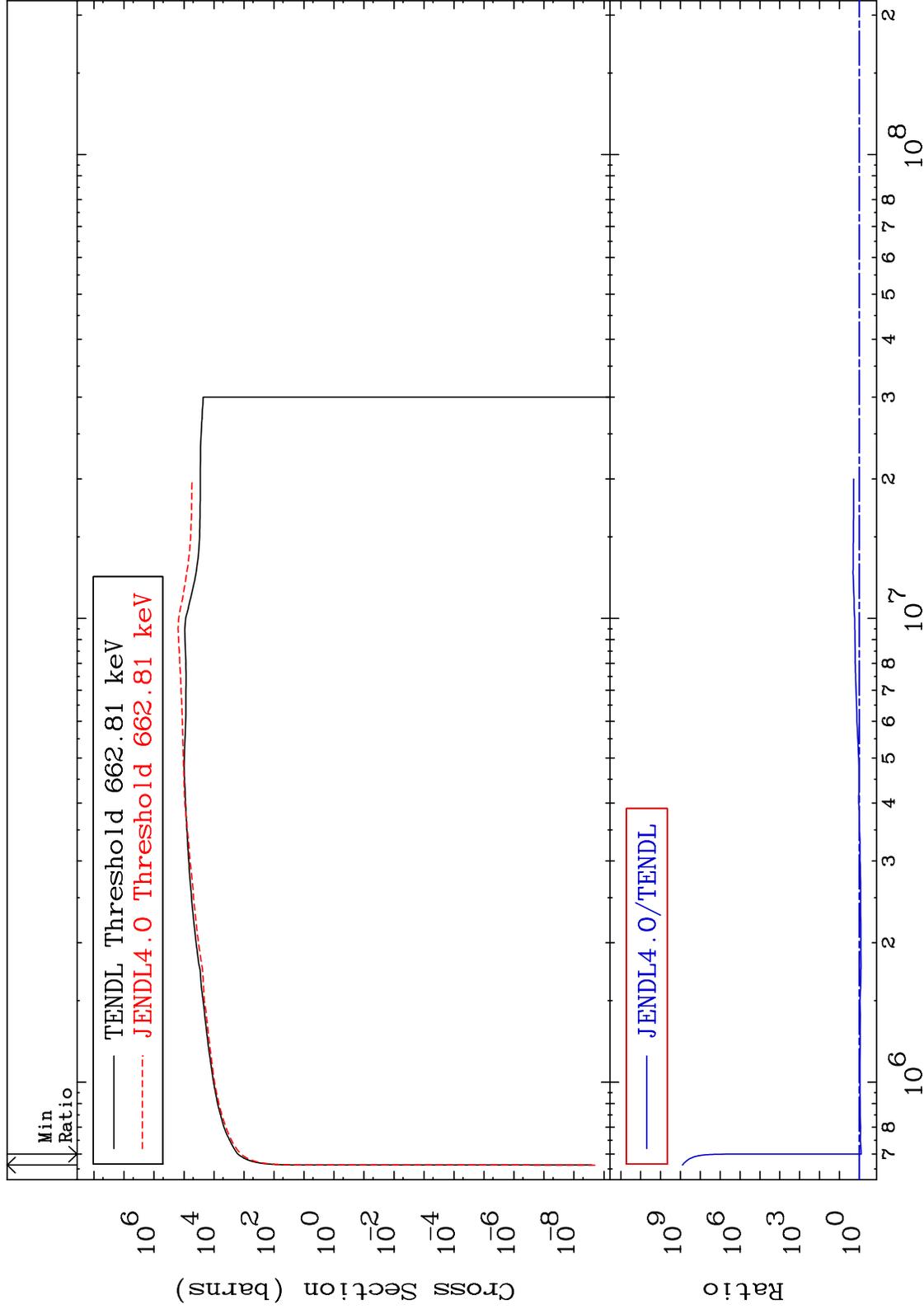
MAT 3449 34-Se-82
 Dpa elastic (mt2) -100.0 To 9999. %
 Cross Section



MAT 3449

Dpa inelastic (mt51-91)
Cross Section

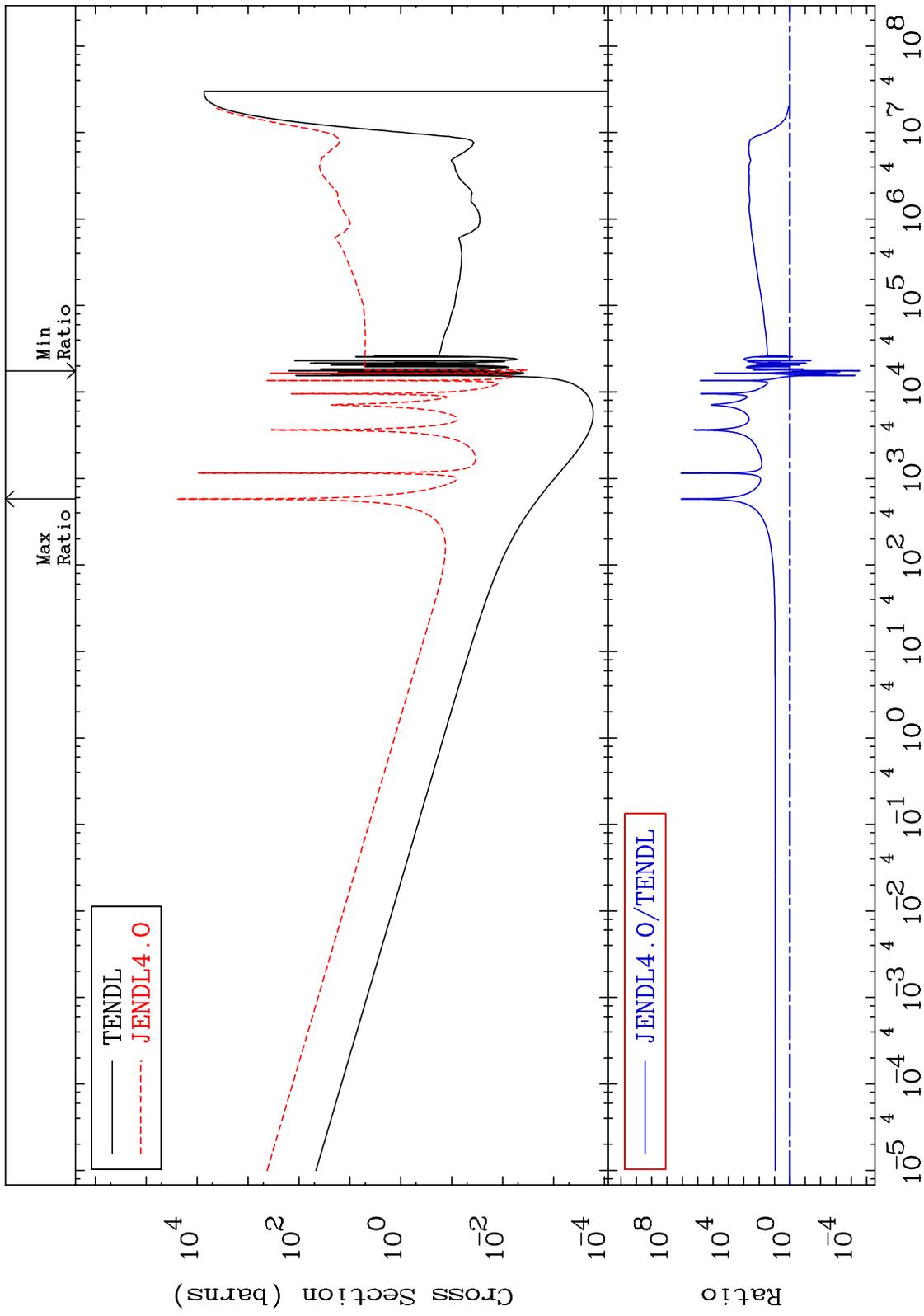
34-Se-82
-21.36 To 9999. %



MAT 3449

Dpa disappearance (mt102 -120)
Cross Section

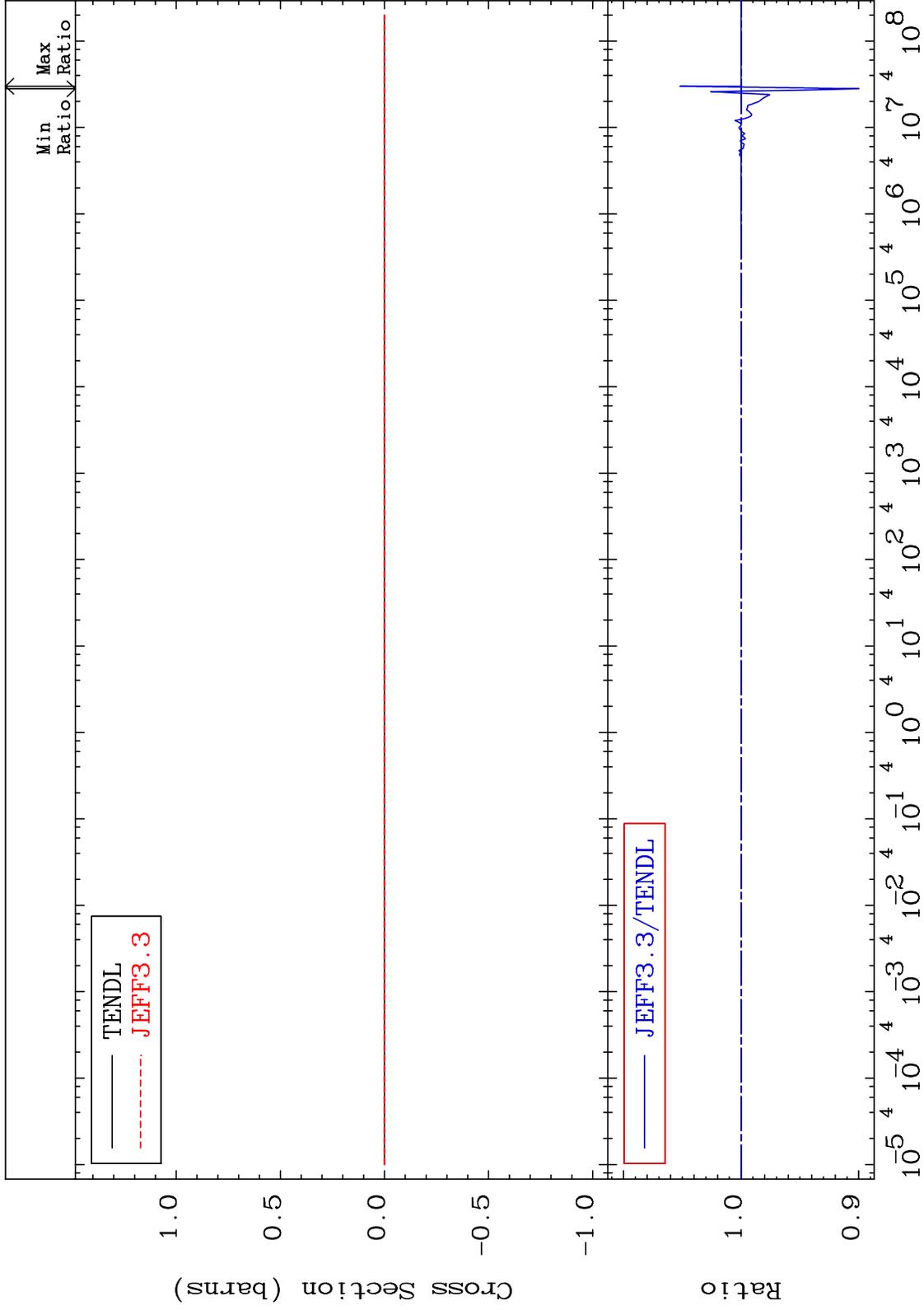
34-Se-82
-100.0 To 9999. %



MAT 3449

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

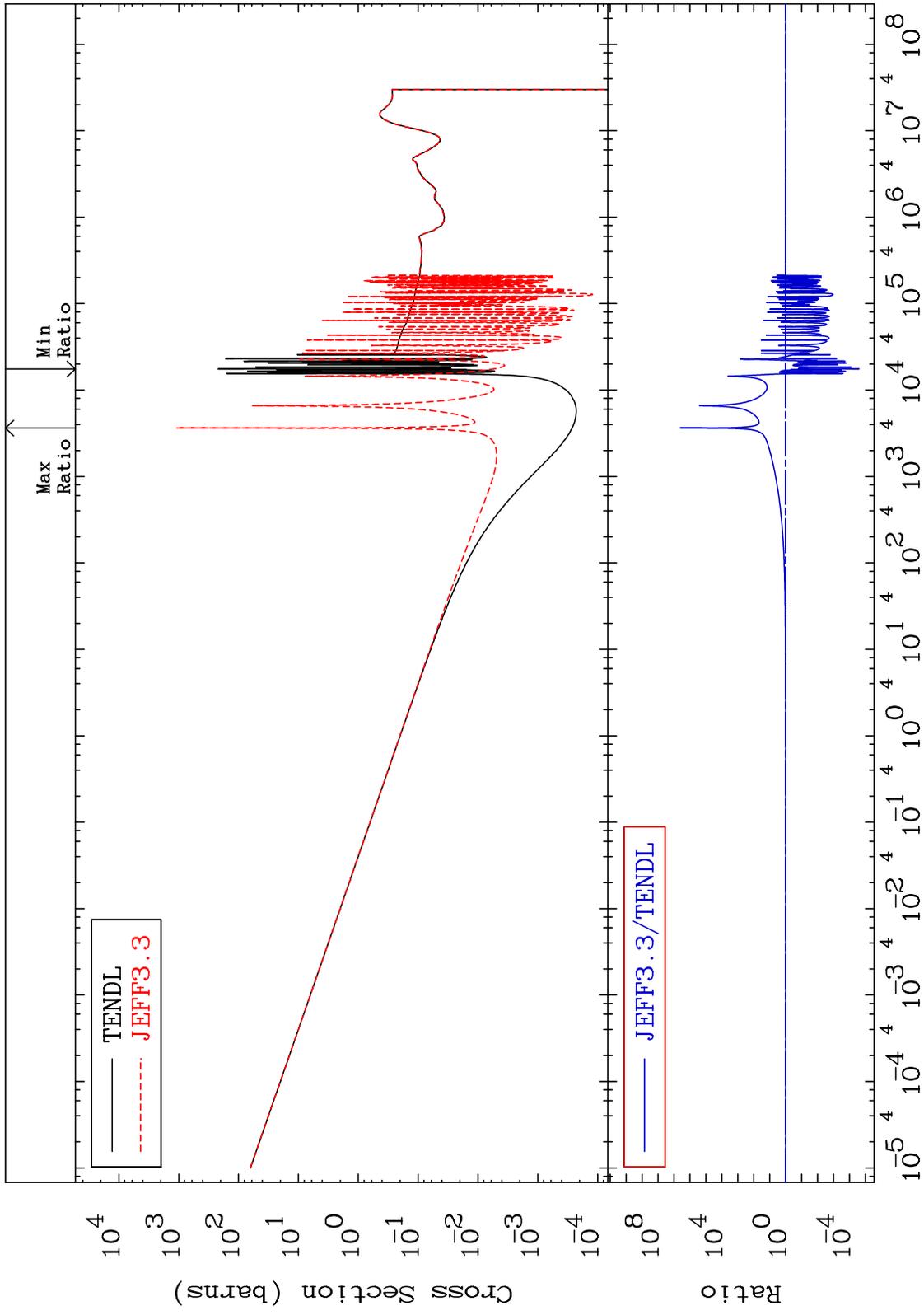
34-Se-82
-10.01 To 5.183 %



MAT 3449

Kerma capture (mt102)
Cross Section

34-Se-82
-100.0 To 9999. %



45

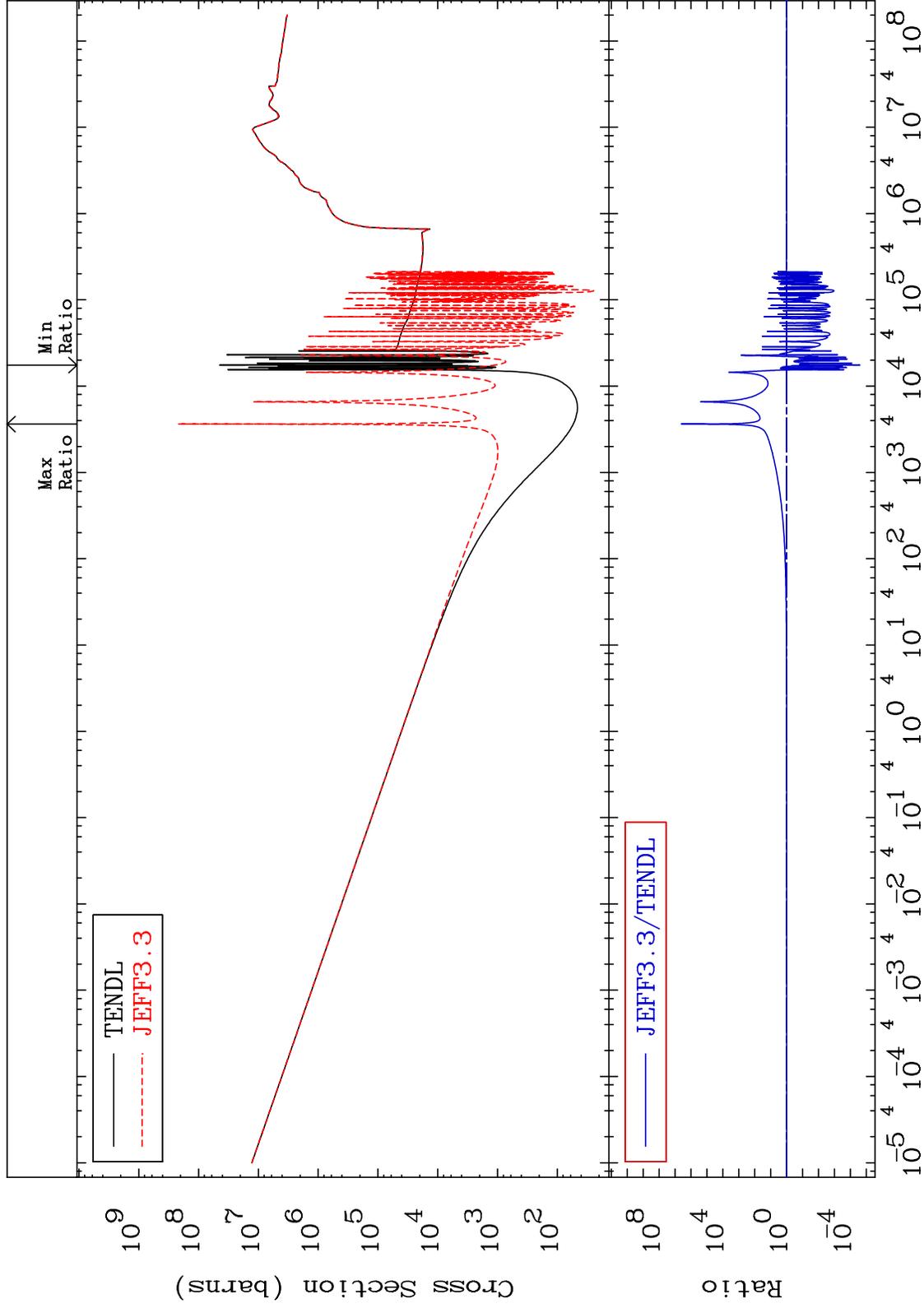
Incident Energy (eV)

34-Se-82

MAT 3449

Total photon (eV-barns)
Cross Section

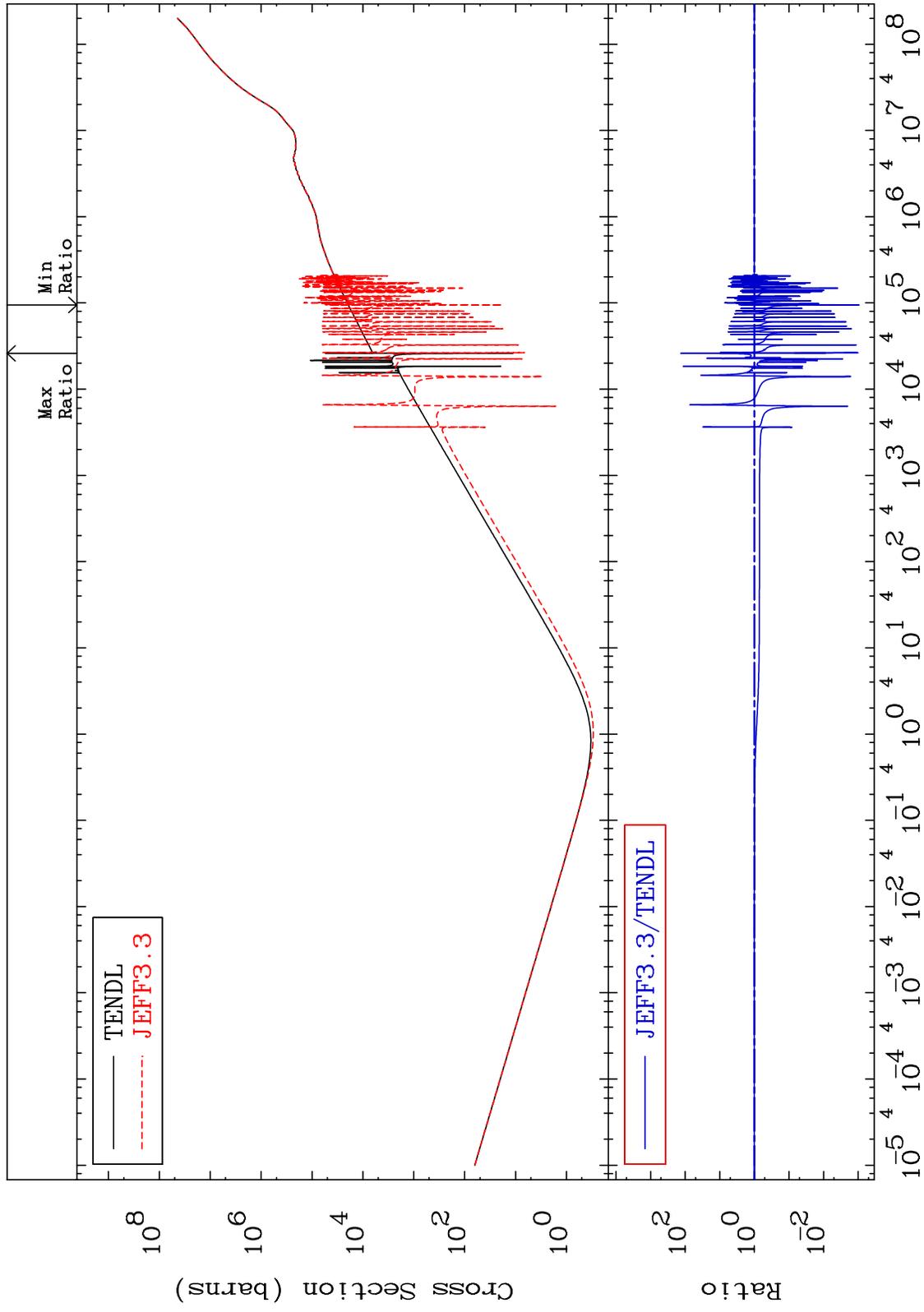
34-Se-82
-100.0 To 9999. %



MAT 3449

Total kinematic kerma (high limit)
Cross Section

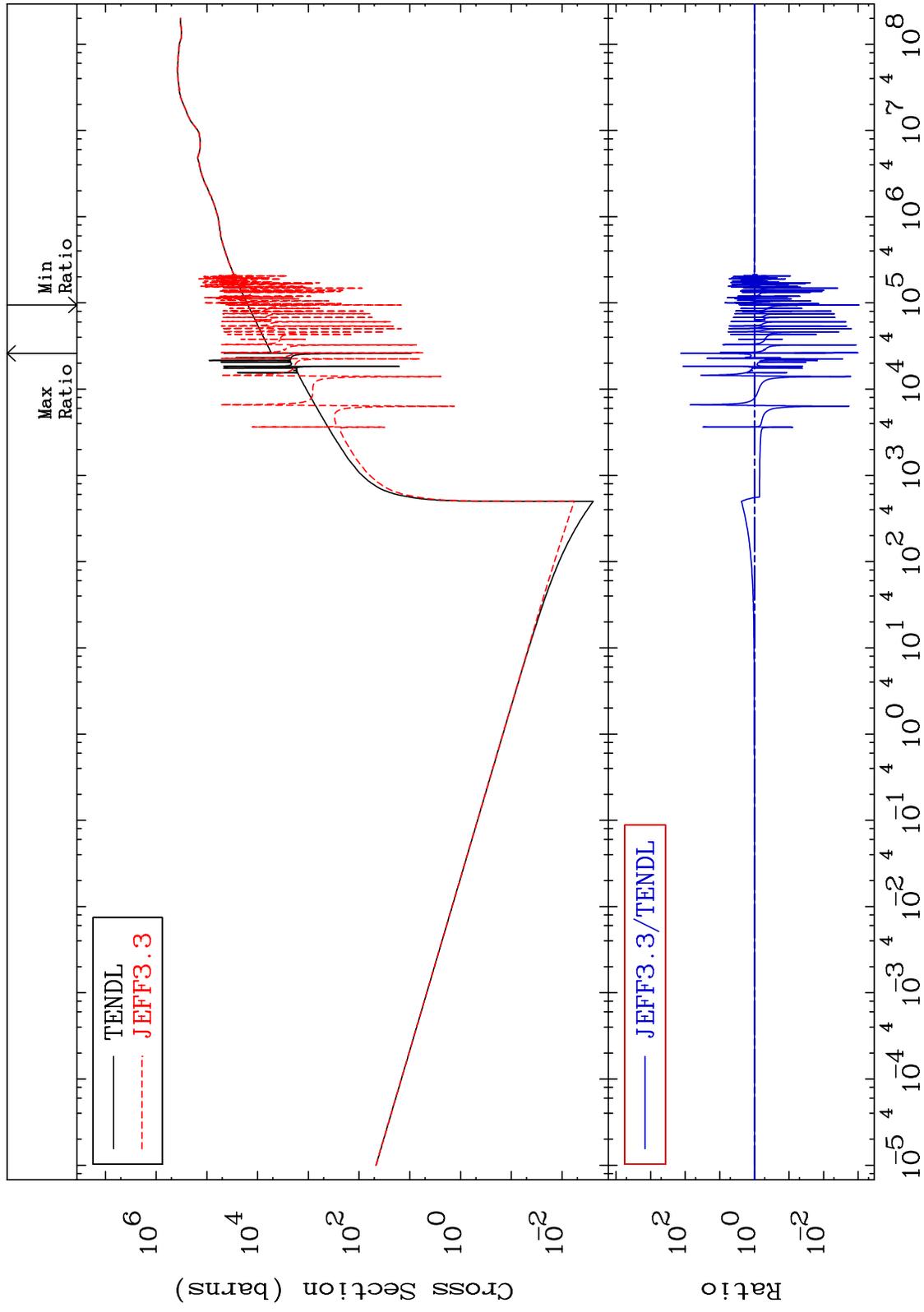
34-Se-82
-99.91 To 9999. %



MAT 3449

Dpa total (eV-barns)
Cross Section

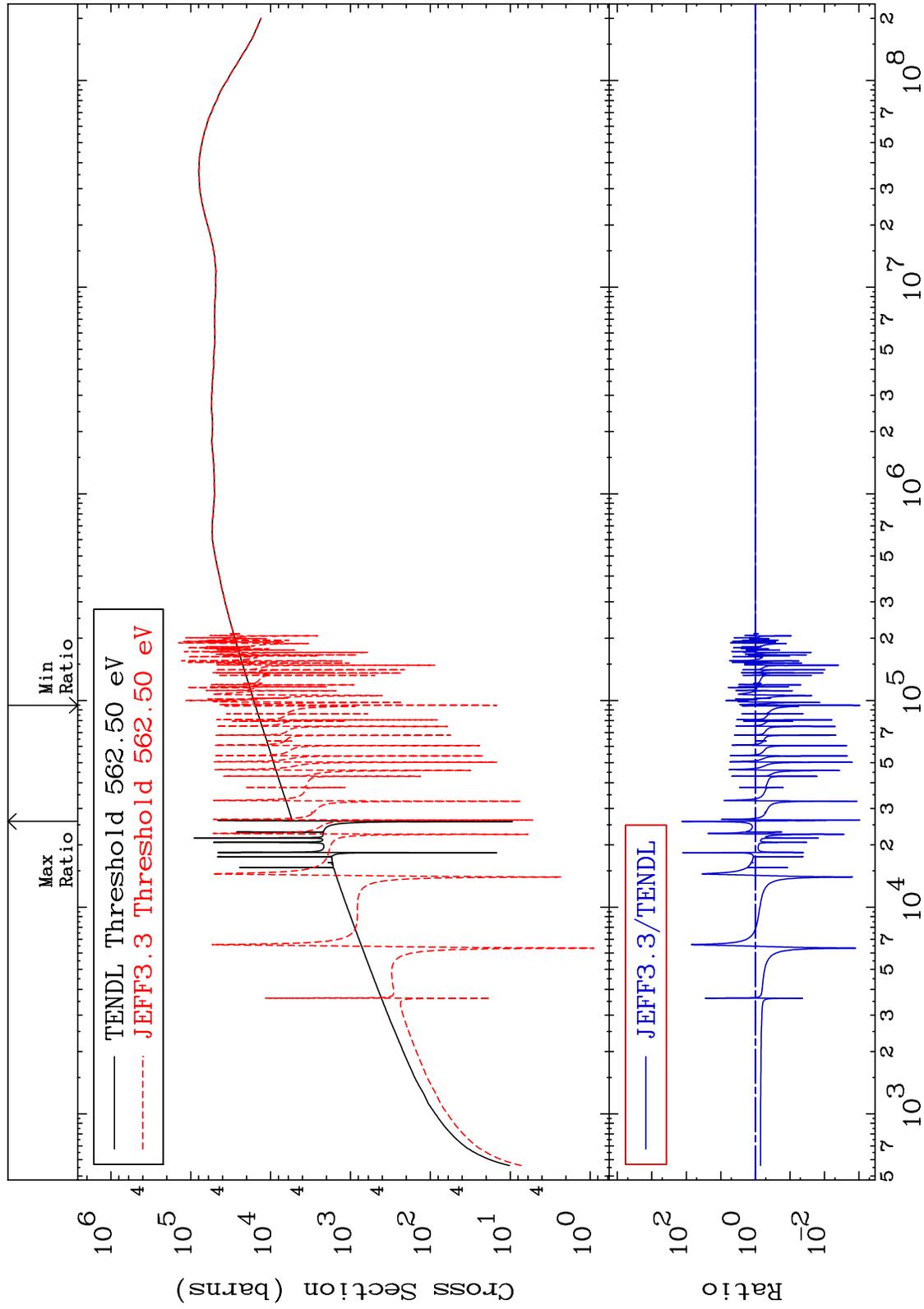
34-Se-82
-99.91 To 9999. %



MAT 3449

Dpa elastic (mt2)
Cross Section

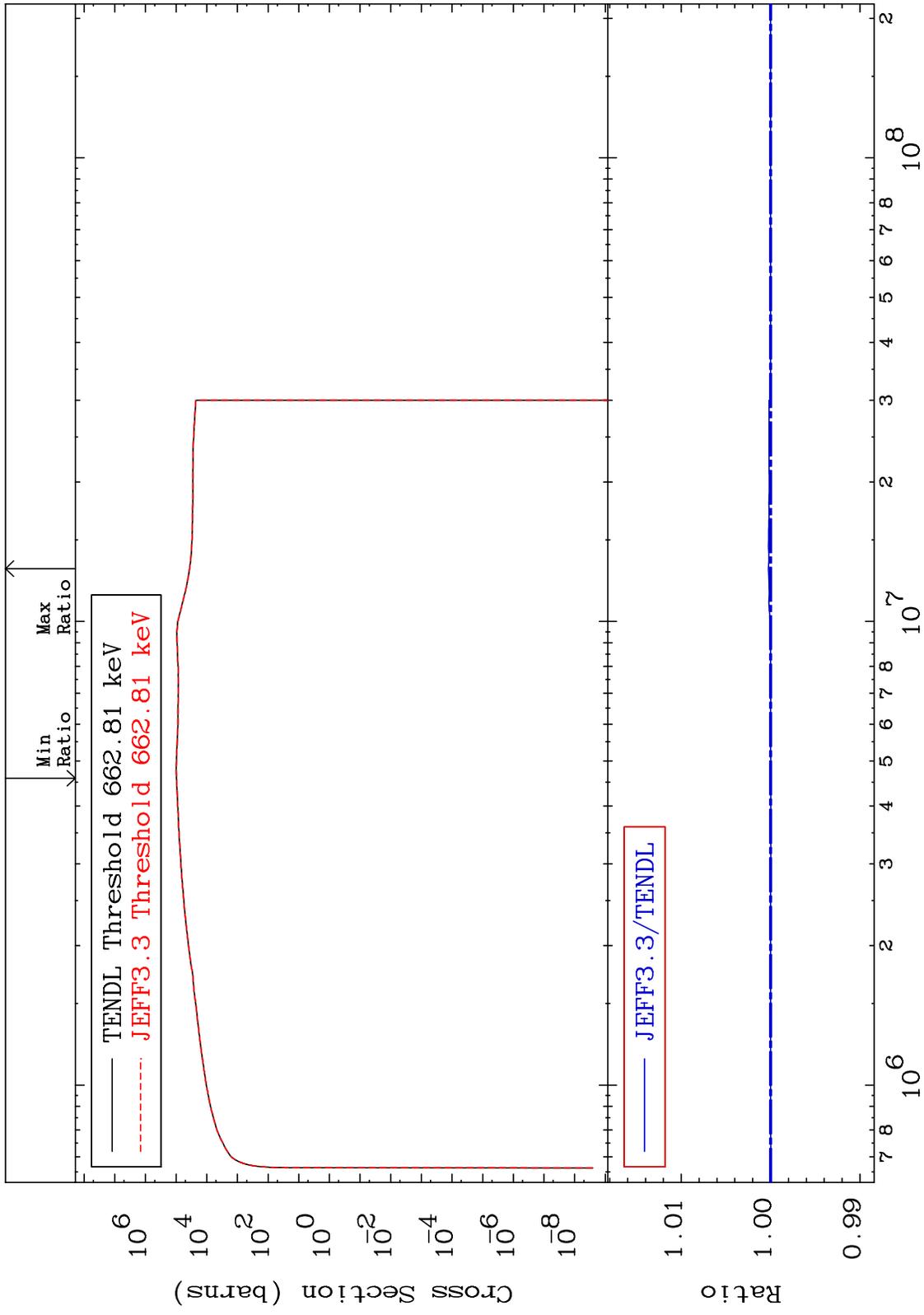
34-Se-82
-99.91 To 9999. %



MAT 3449

Dpa inelastic (mt51-91)
Cross Section

34-Se-82
-0.002 To 0.025 %



50

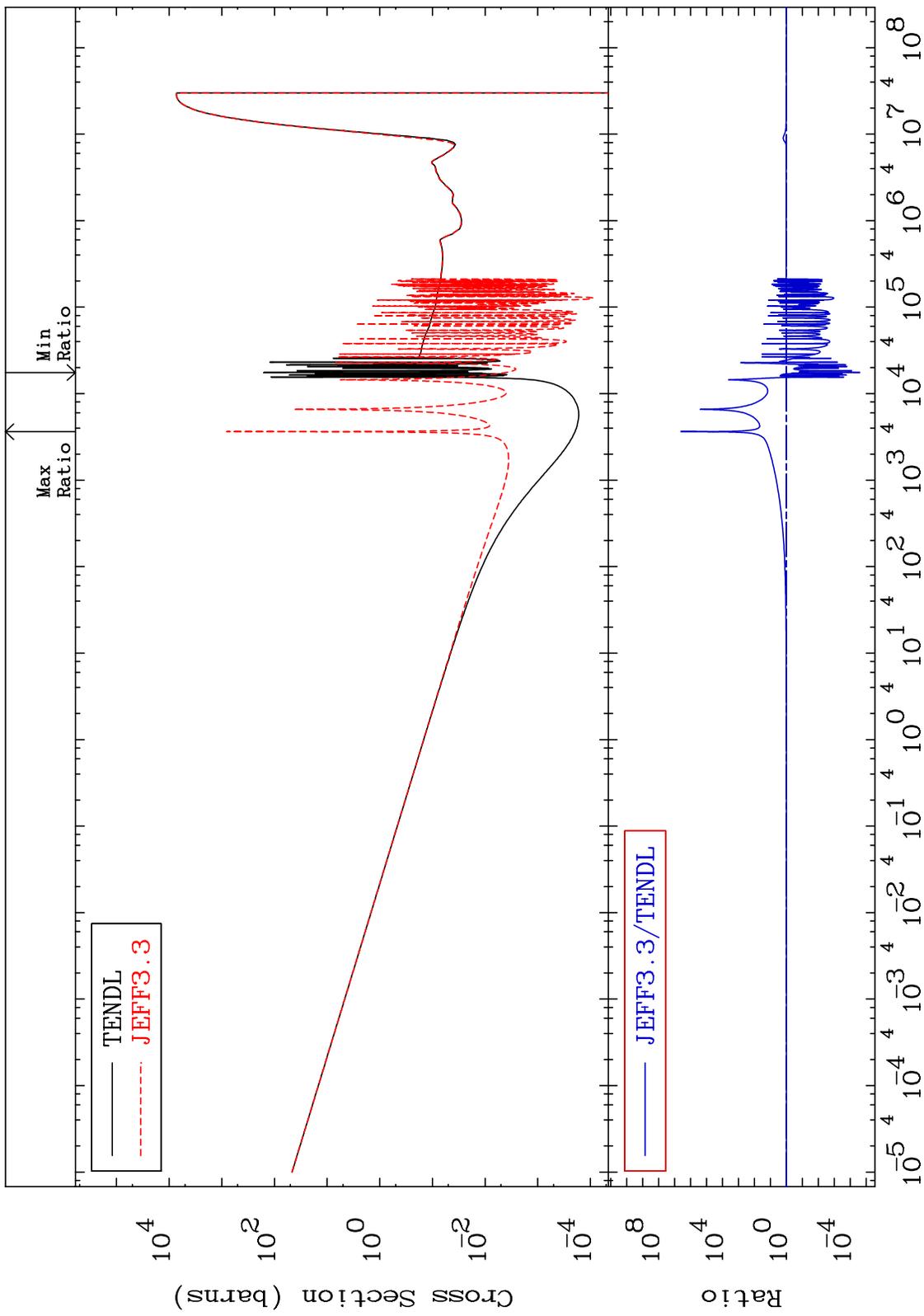
Incident Energy (eV)

34-Se-82

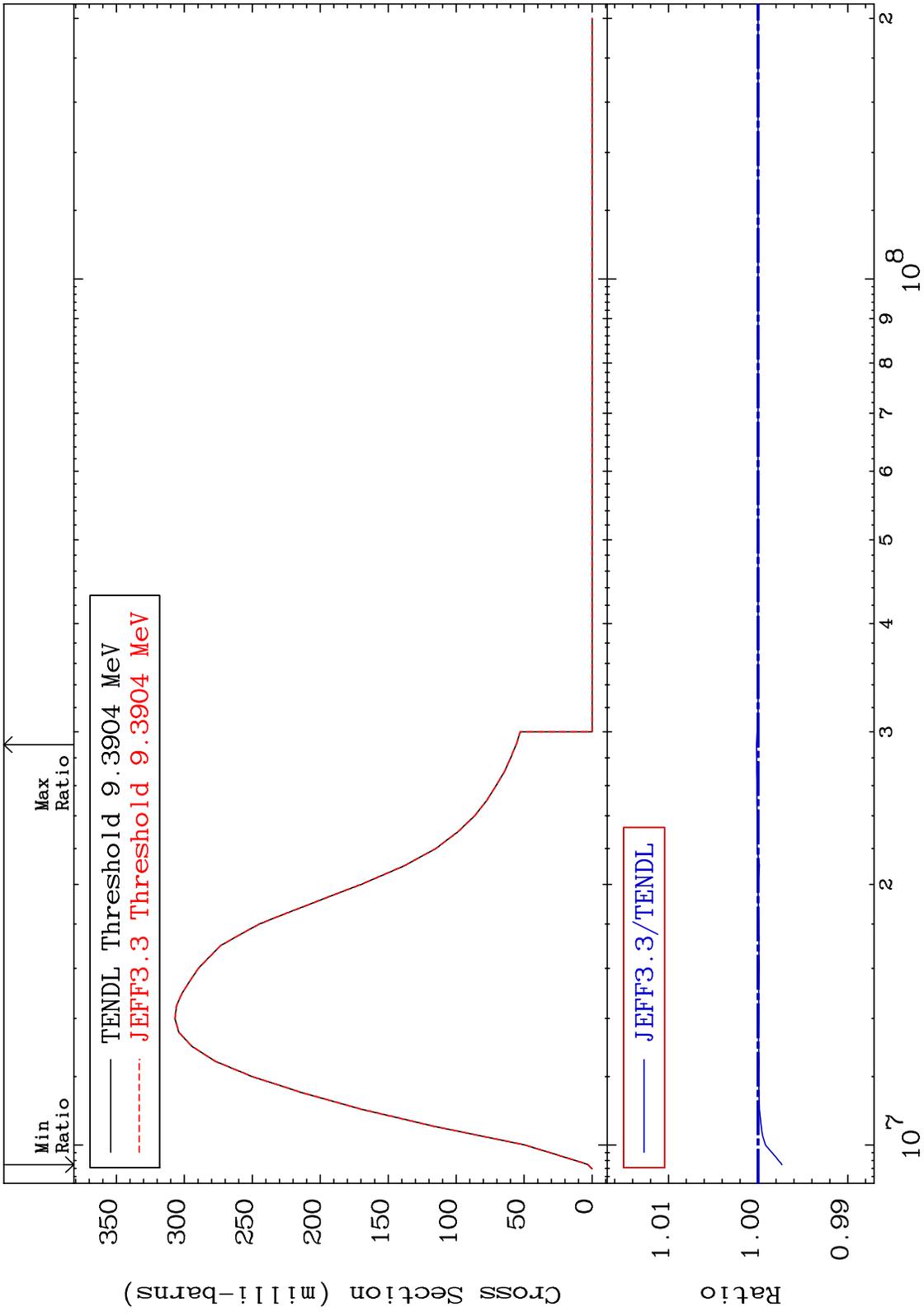
MAT 3449

Dpa disappearance (mt102 -120)
Cross Section

34-Se-82
-100.0 To 9999. %



MAT 3449 (n,2n):34-Se-81g 34-Se-82
 Radionuclide Production Cross Section -0.266 To 0.016 %

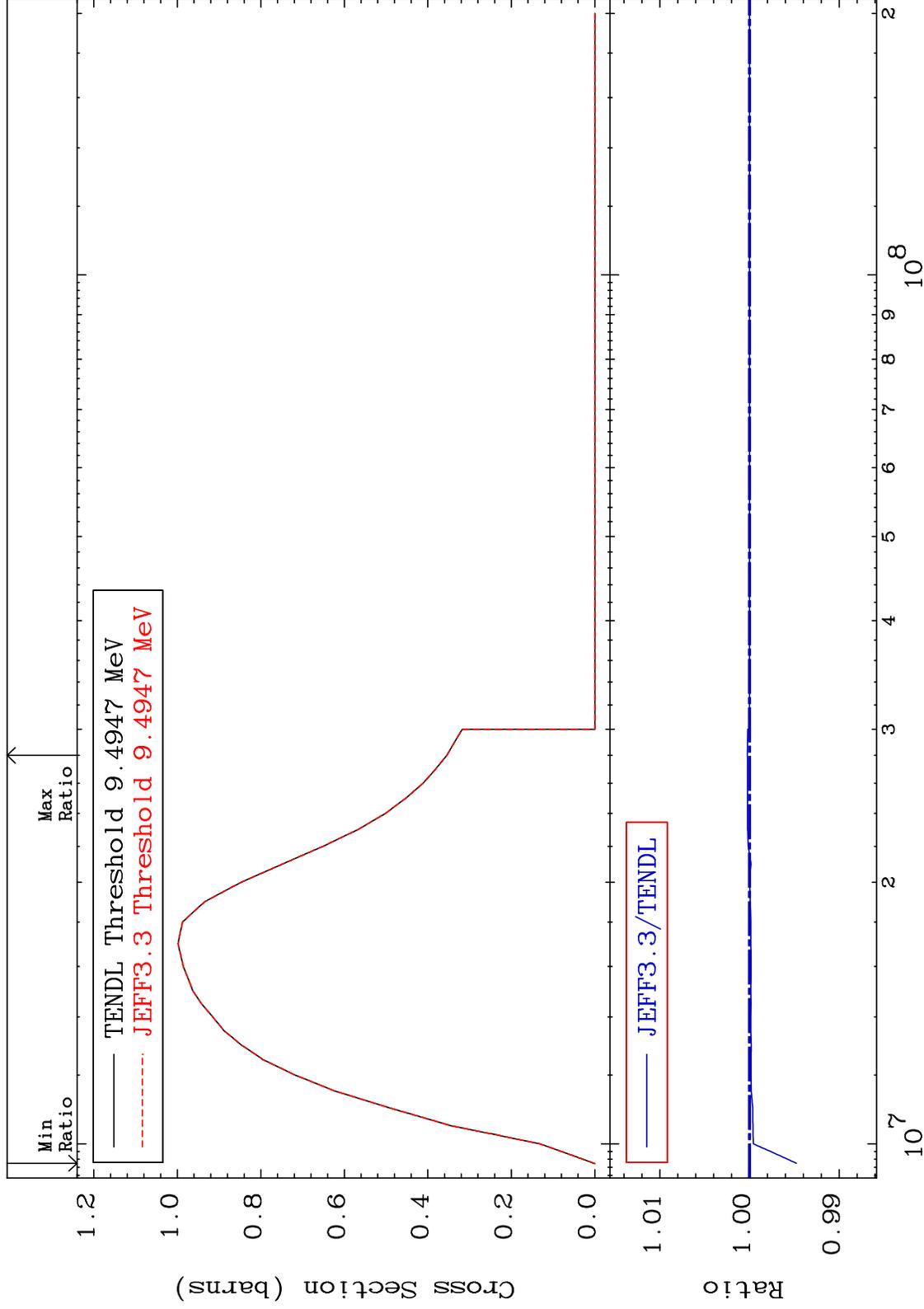


MAT 3449

(n,2n):34-Se-81m1

34-Se-82

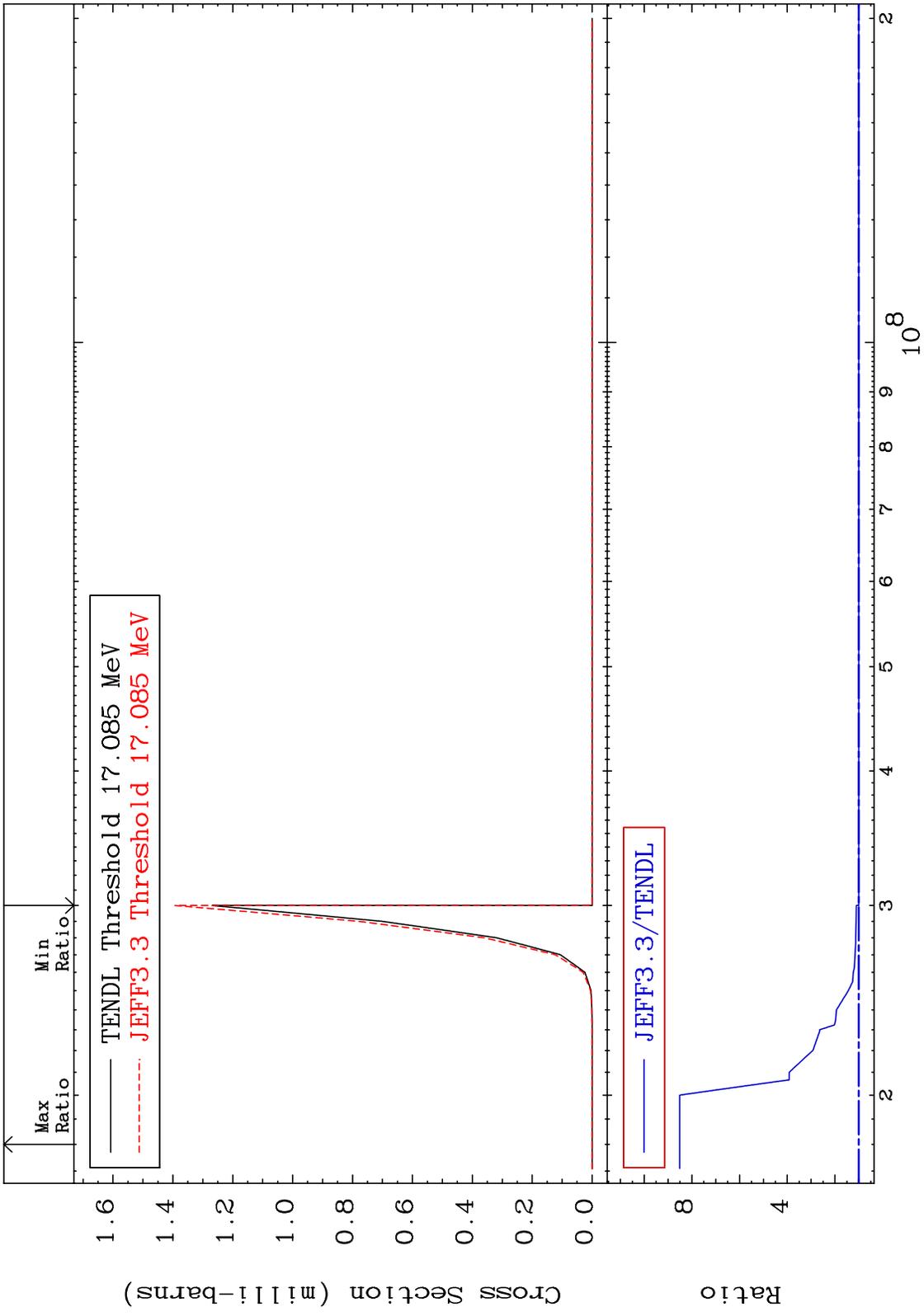
Radionuclide Production Cross Section -0.521 To 0.024 %



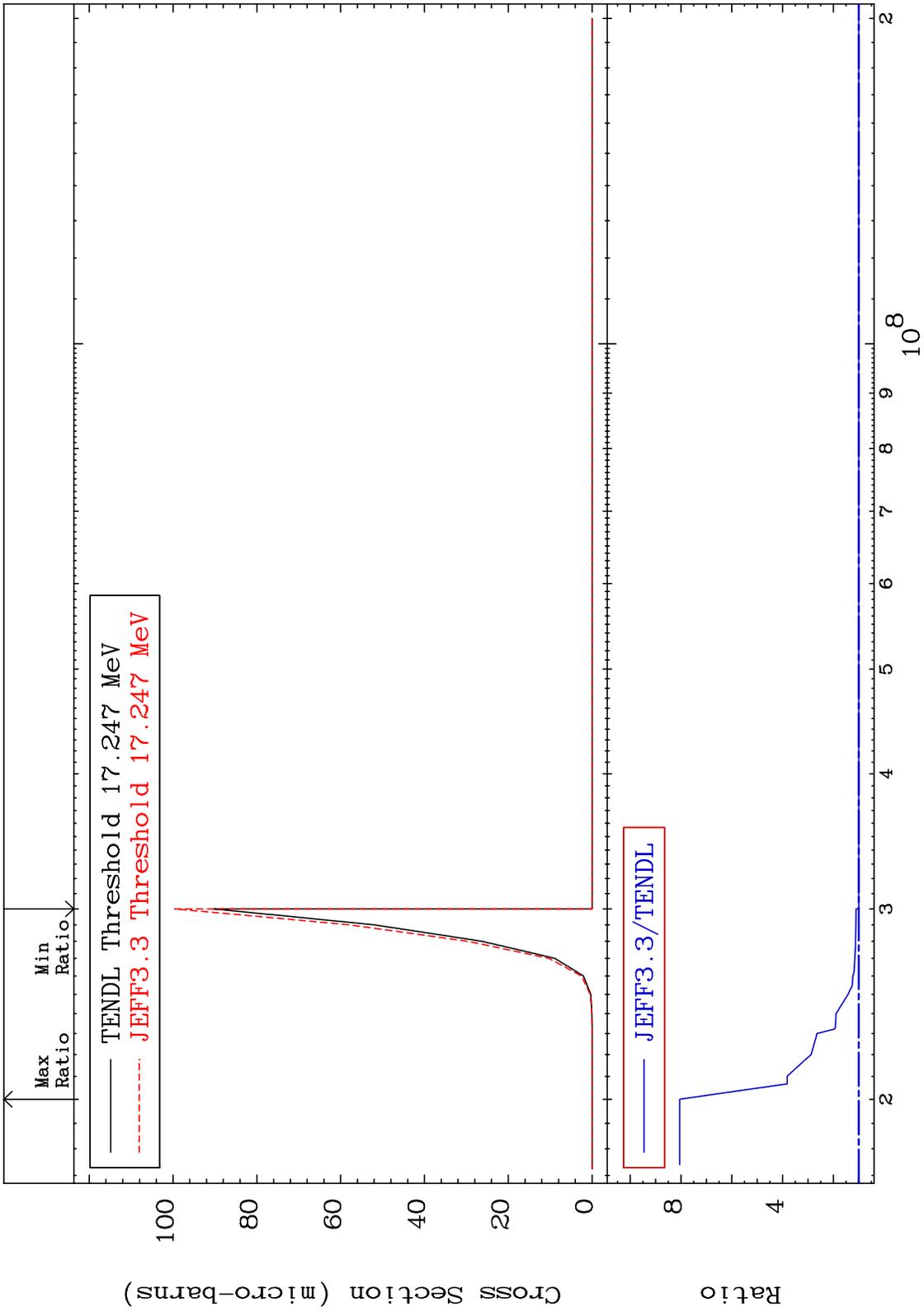
Incident Energy (eV)

34-Se-82

MAT 3449 (n,2n) α : 32-Ge-77g 34-Se-82
 Radionuclide Production Cross Section 0.000 To 751.0 %



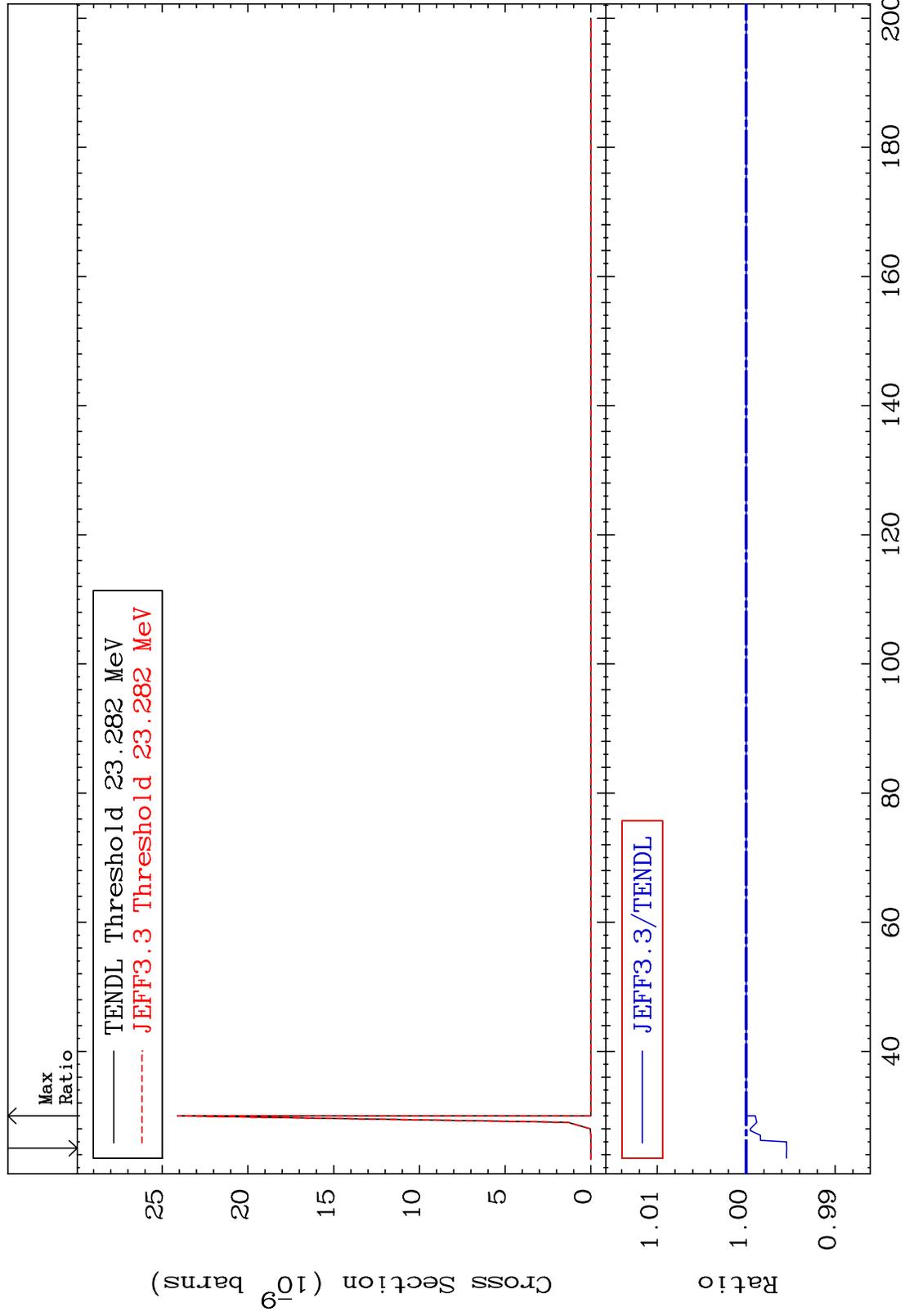
MAT 3449 (n,2n) α :32-Ge-77m1 34-Se-82
 Radionuclide Production Cross Section 0.000 To 704.8 %



MAT 3449

34-Se-82

(n,n') He-3:32-Ge-79g
Radionuclide Production Cross Section -0.455 To 0.000 %



56

Incident Energy (MeV)

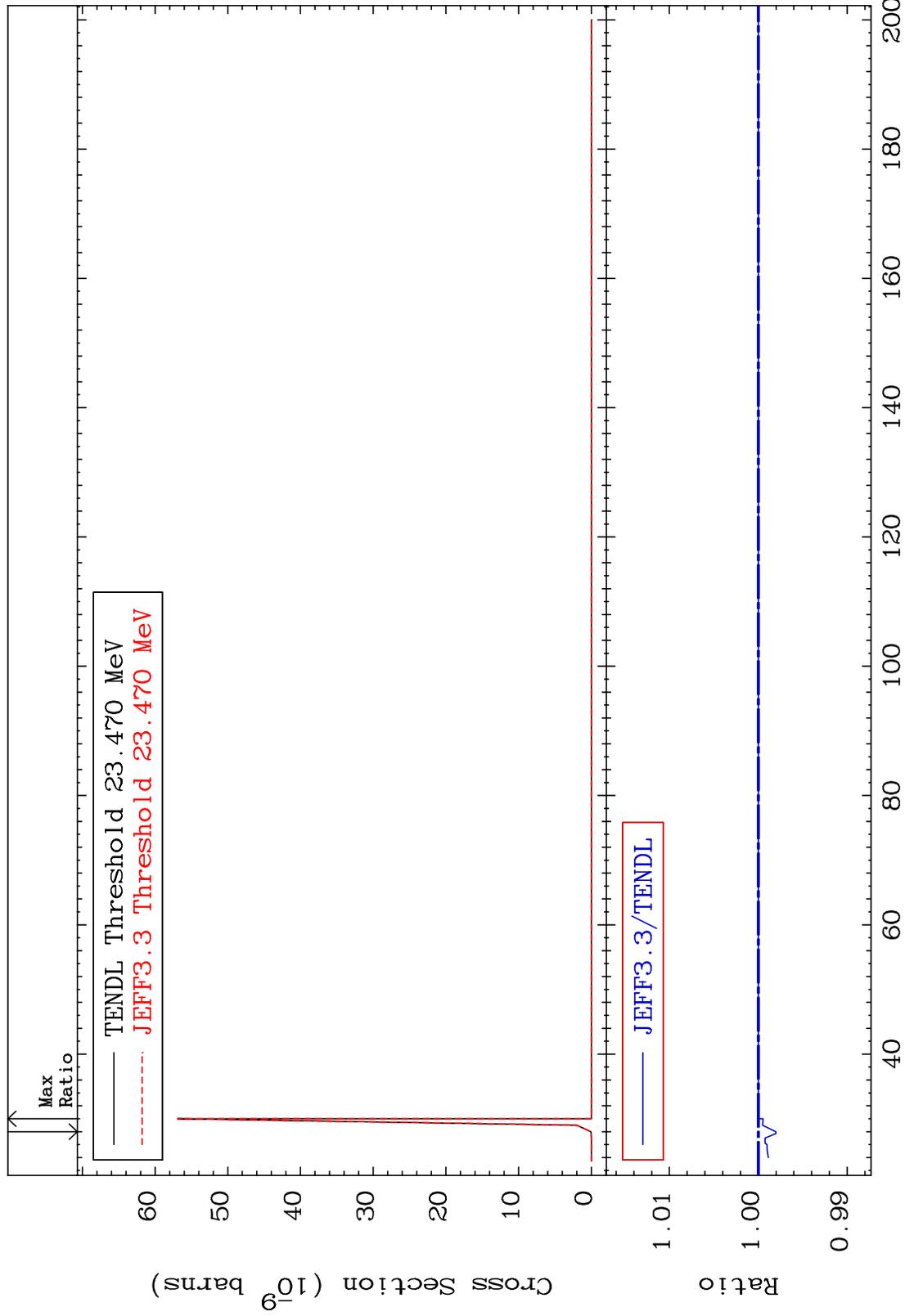
34-Se-82

MAT 3449

(n,n') He-3:32-Ge-79m1

34-Se-82

Radionuclide Production Cross Section -0.198 To 0.000 %



57

Incident Energy (MeV)

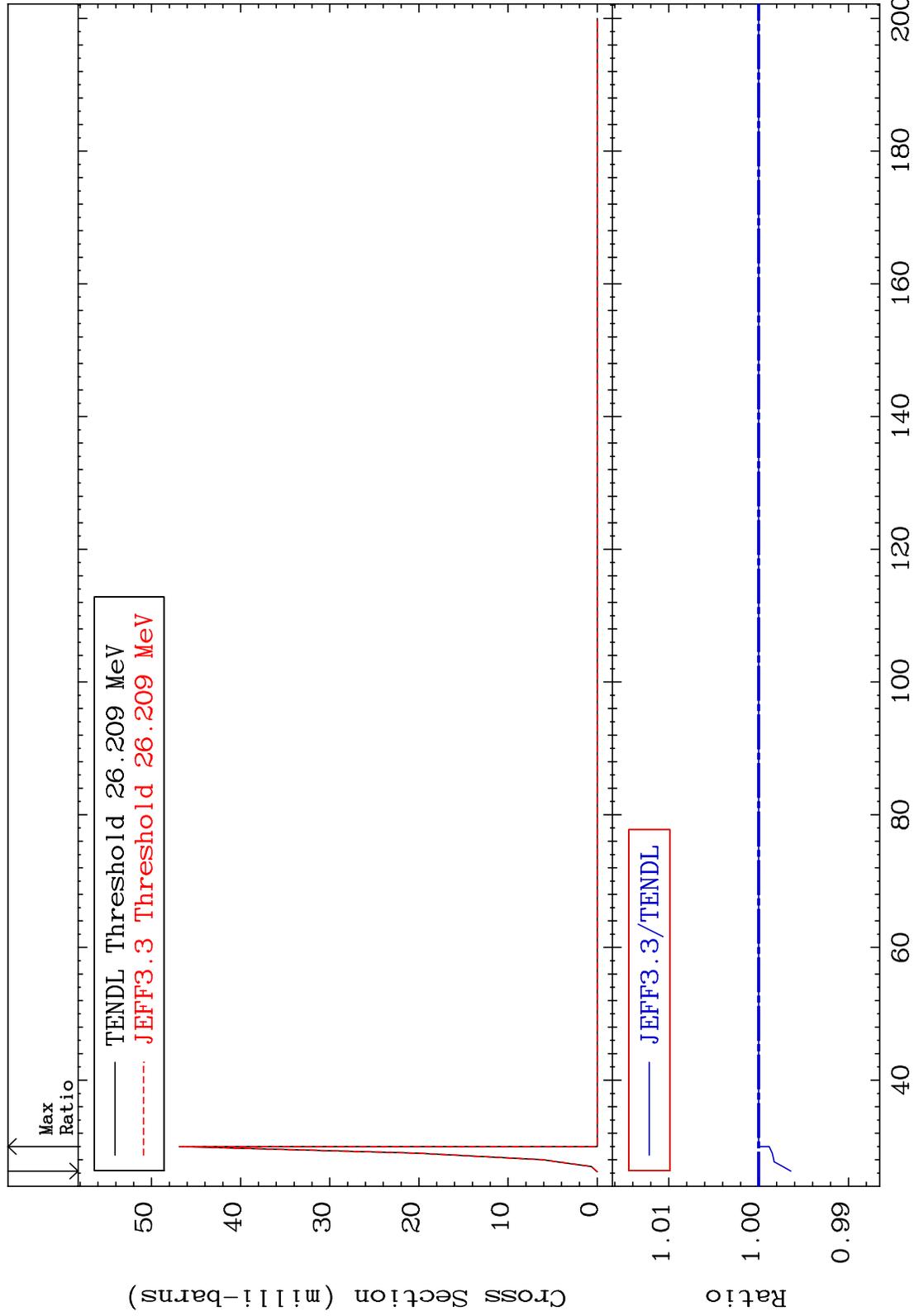
34-Se-82

MAT 3449

(n,4n):34-Se-79g

34-Se-82

Radionuclide Production Cross Section -0.358 To 0.000 %

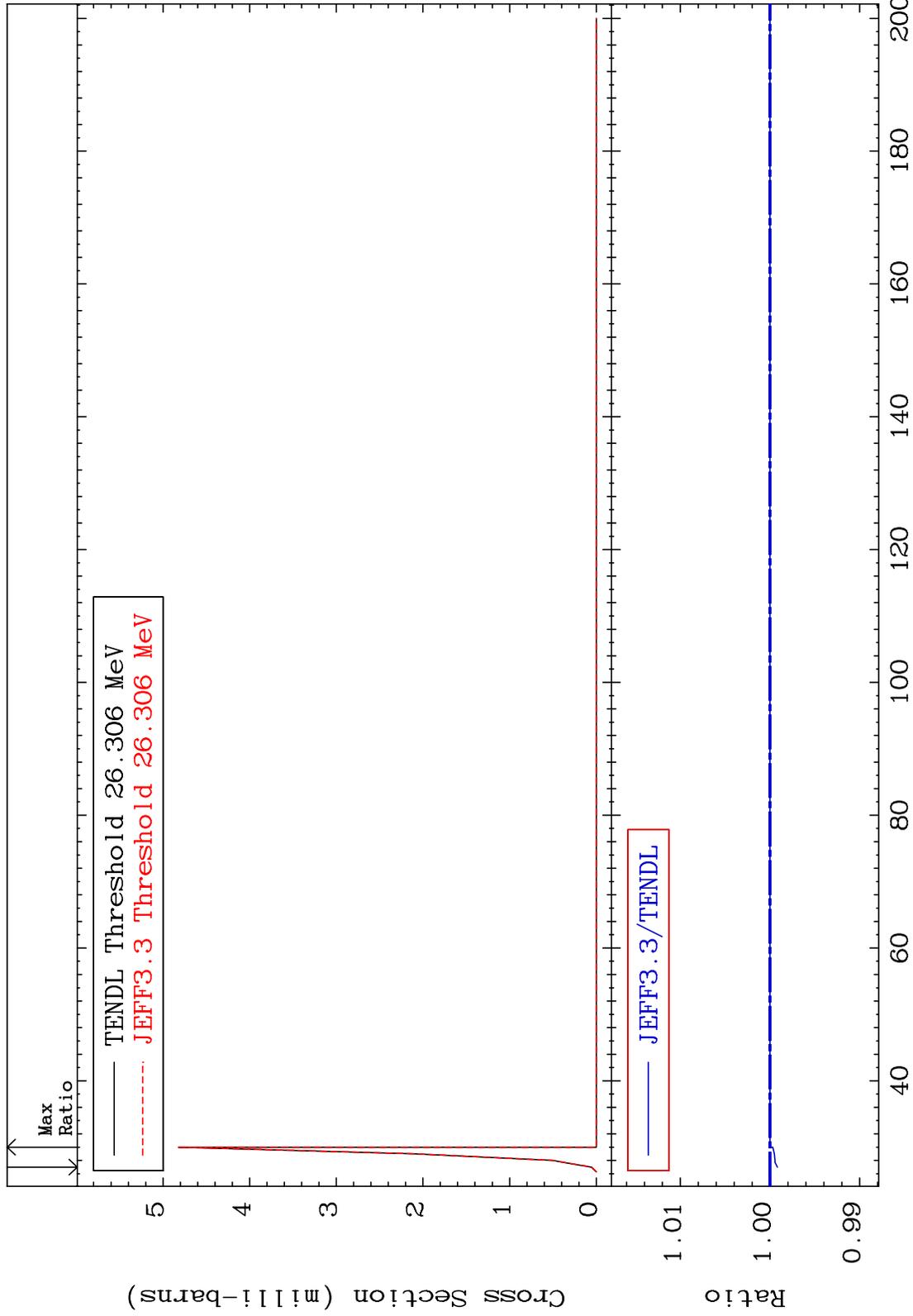


MAT 3449

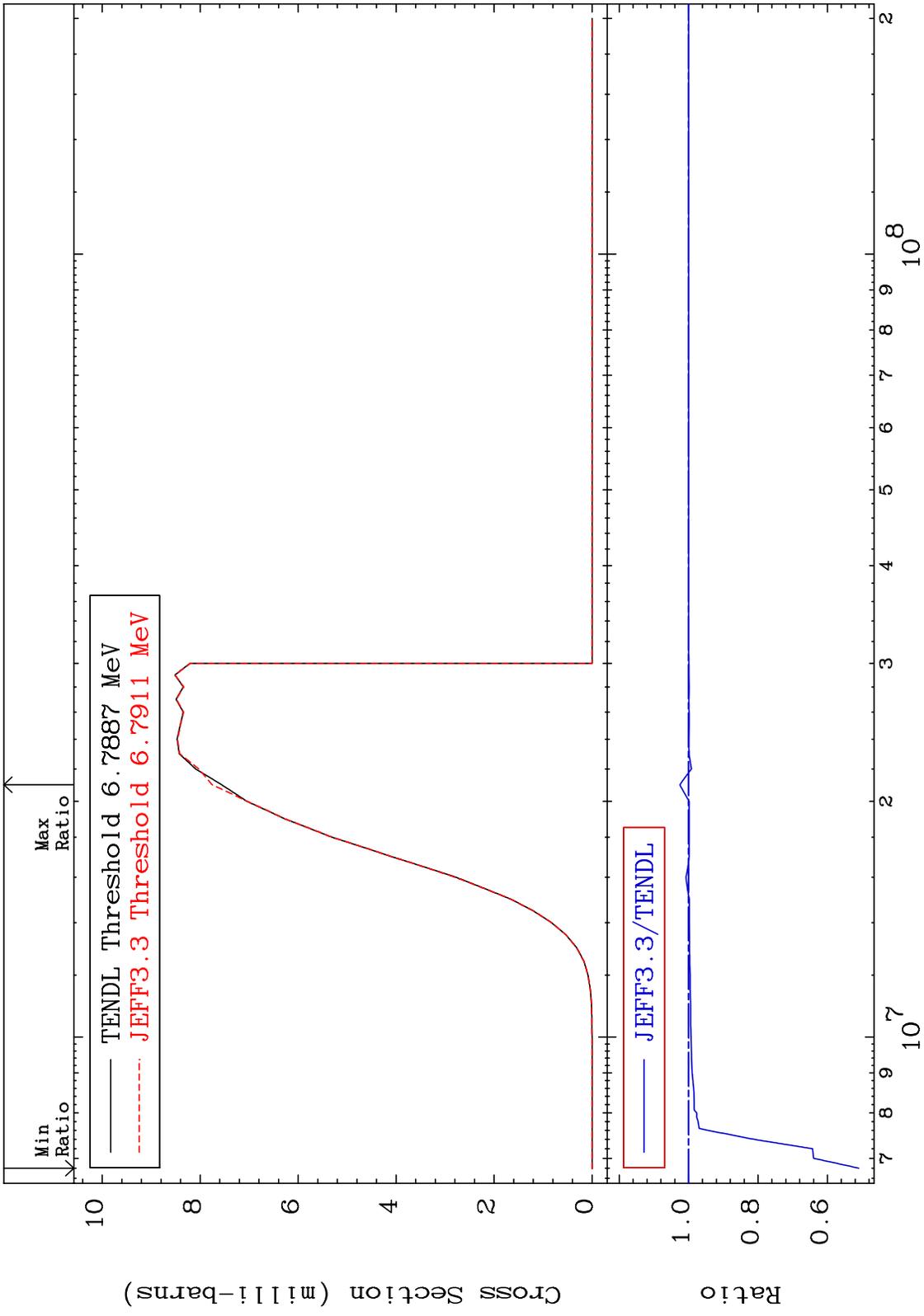
(n,4n):34-Se-79m1

34-Se-82

Radionuclide Production Cross Section -0.083 To 0.000 %



MAT 3449 (n,p):33-As-82g 34-Se-82
 Radionuclide Production Cross Section -49.04 To 2.564 %



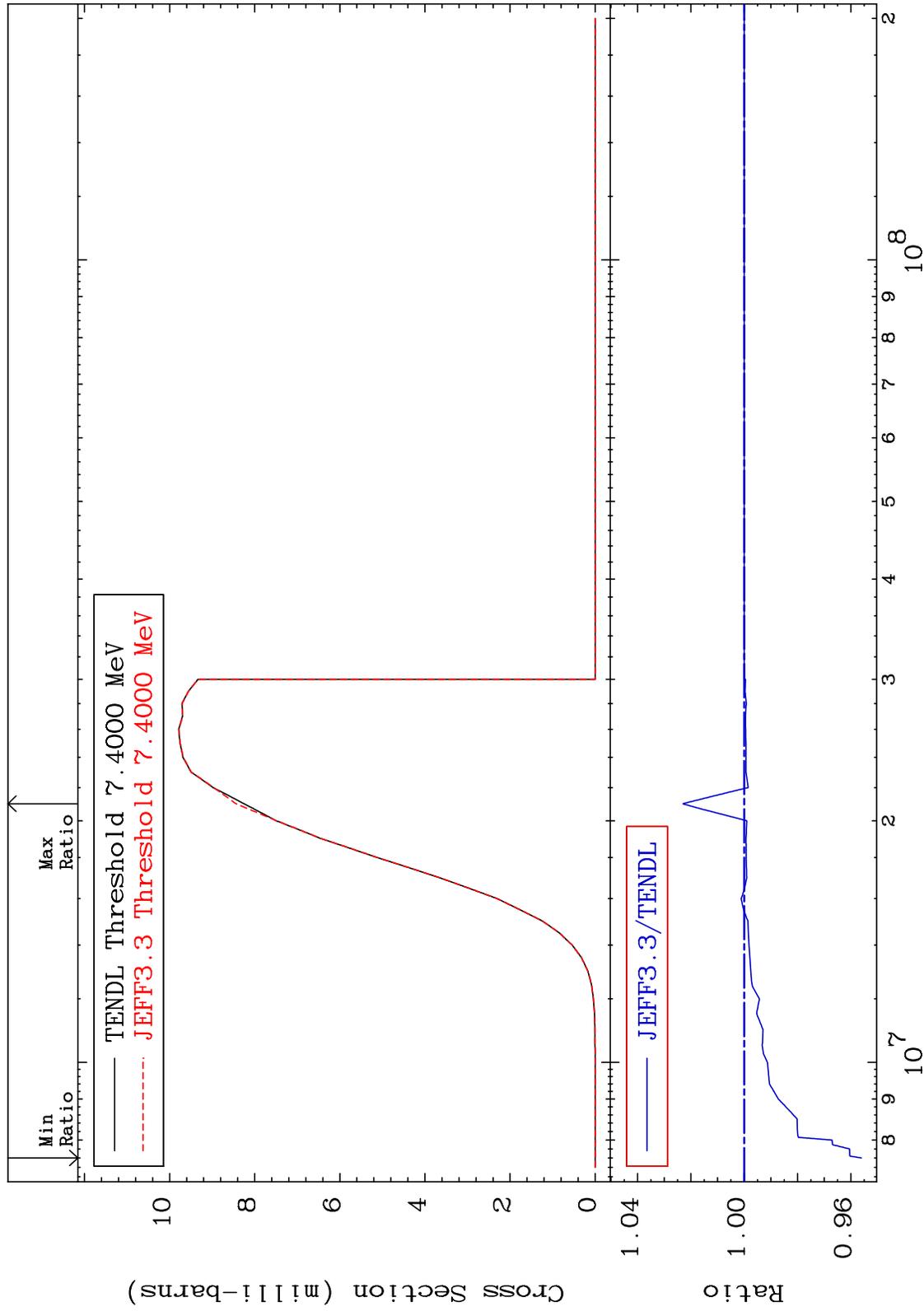
60 34-Se-82

MAT 3449

(n,p):33-As-82m1

34-Se-82

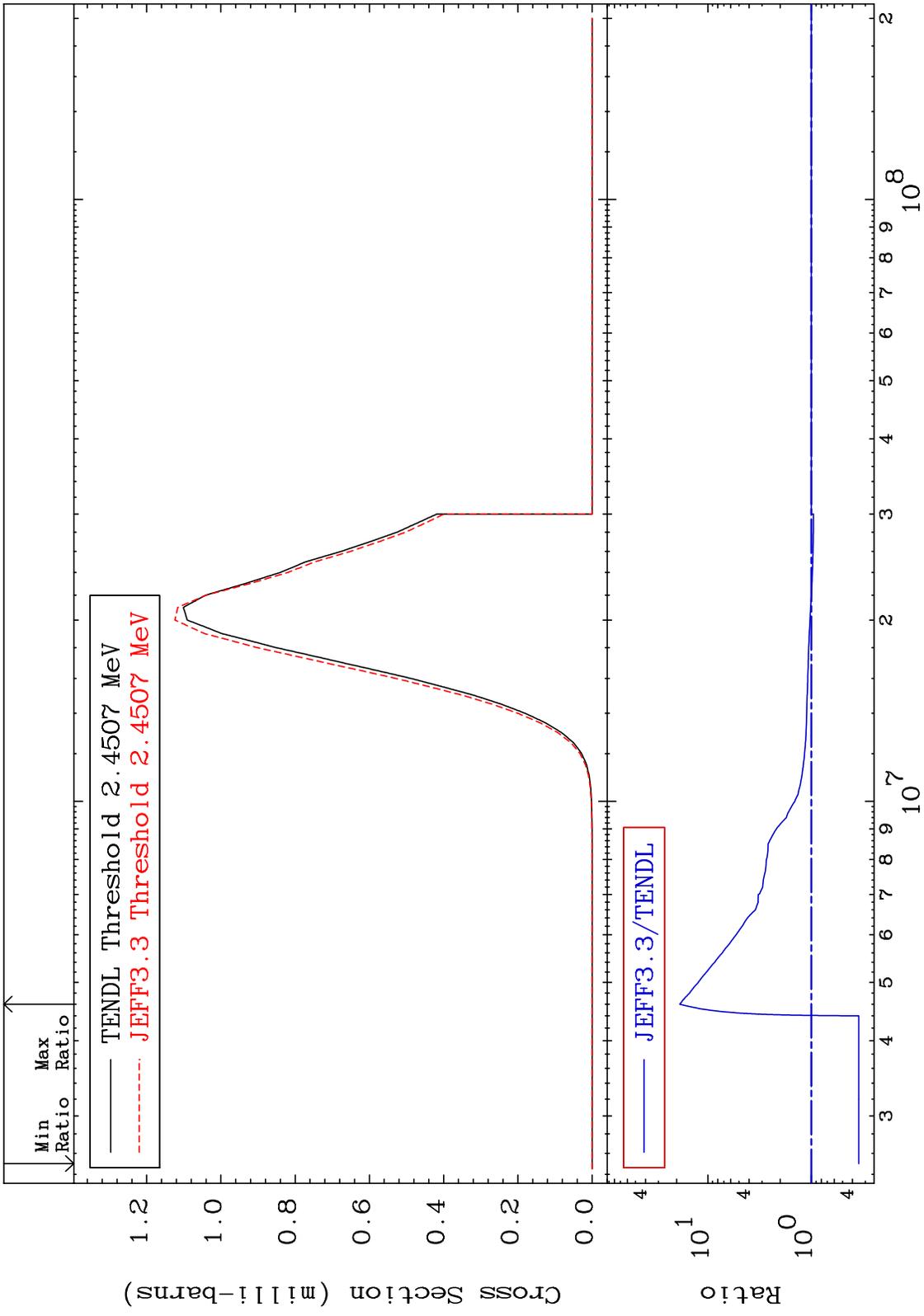
Radionuclide Production Cross Section -4.398 To 2.310 %



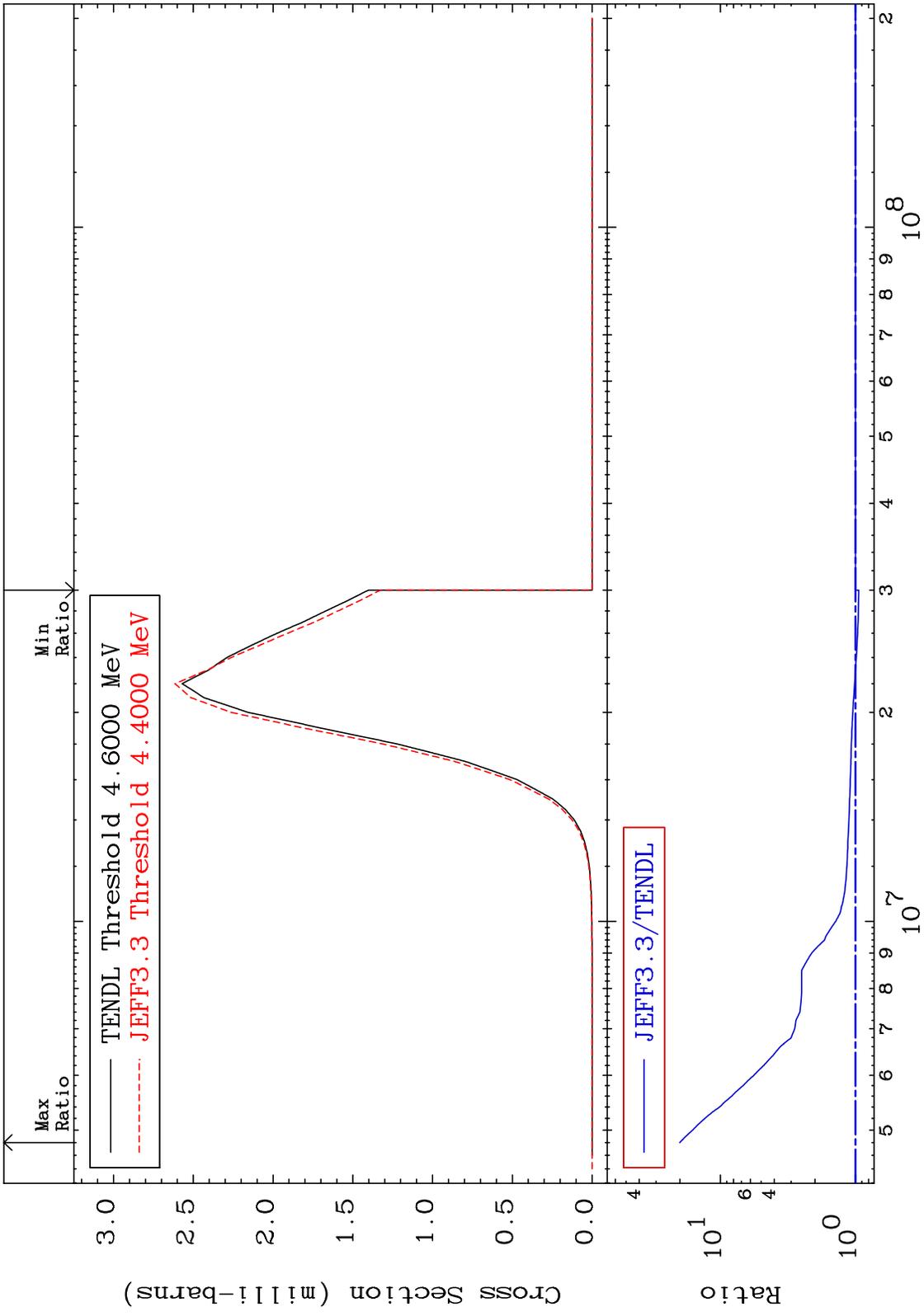
61

Incident Energy (eV)

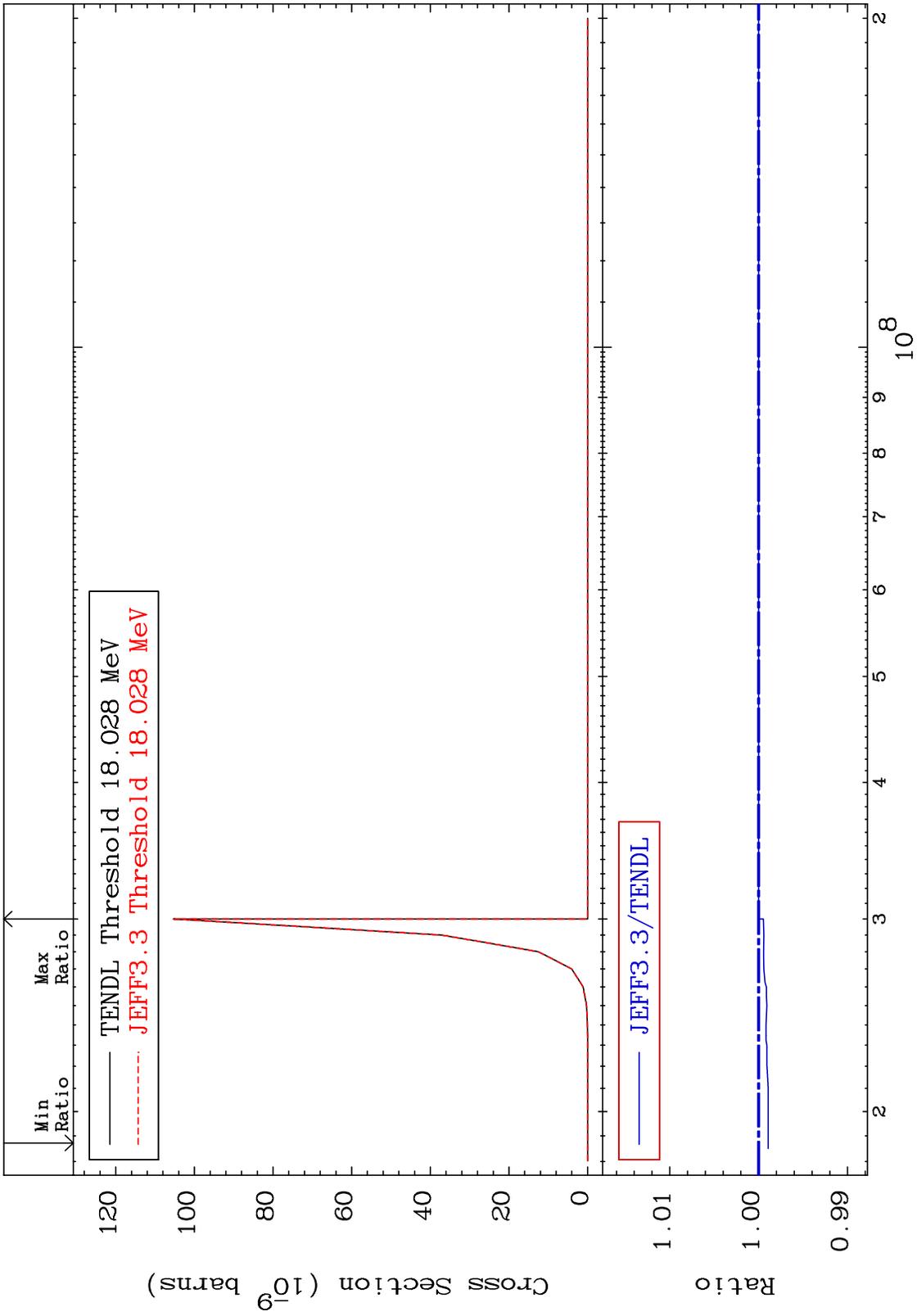
34-Se-82



MAT 3449 (n, α): 32-Ge-79m1 34-Se-82
 Radionuclide Production Cross Section -5.355 To 1902. %



MAT 3449 (n,2p):32-Ge-81g 34-Se-82
 Radionuclide Production Cross Section -0.107 To 0.000 %

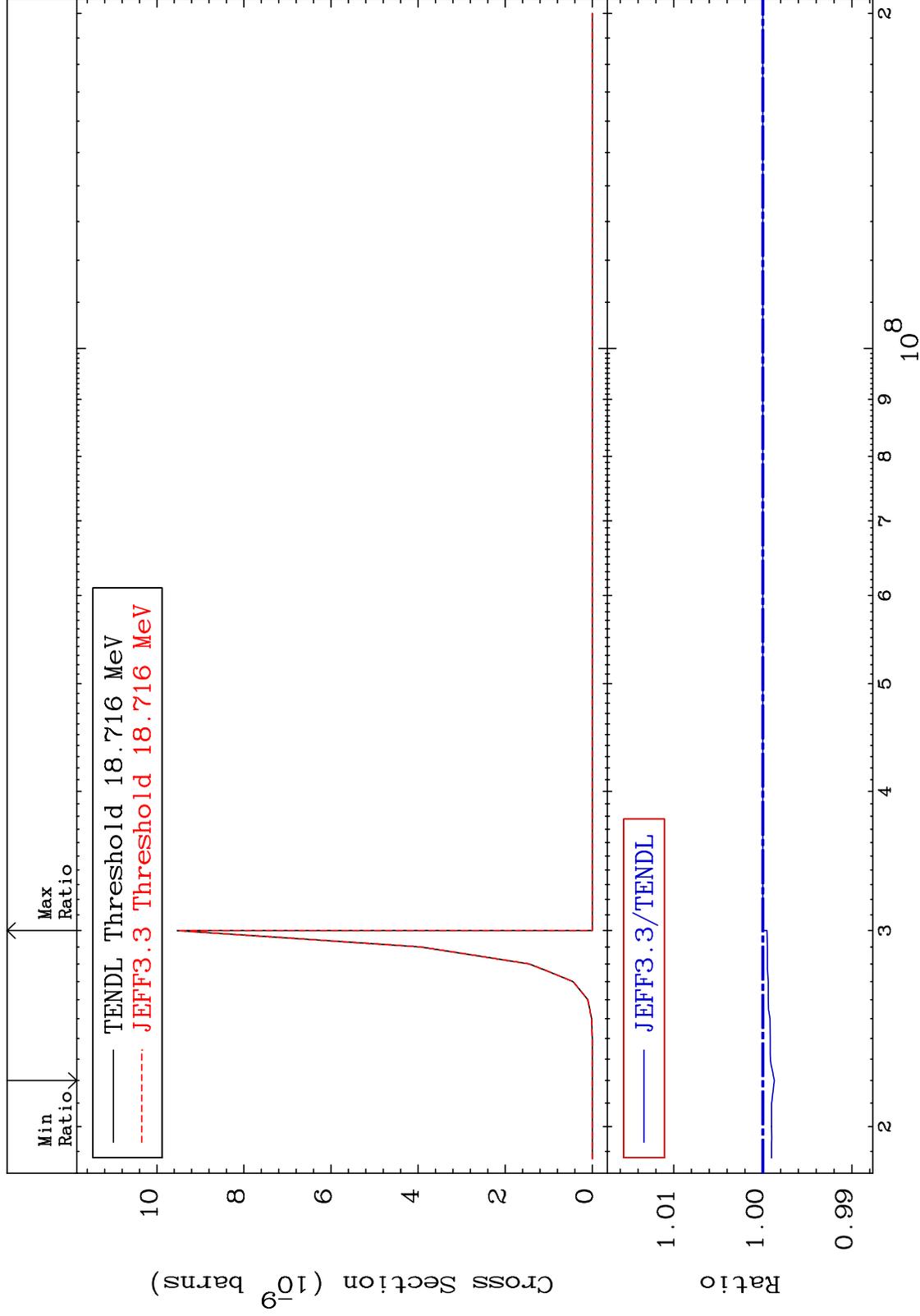


MAT 3449

(n,2p):32-Ge-81m1

34-Se-82

Radionuclide Production Cross Section -0.130 To 0.000 %



65

Incident Energy (eV)

34-Se-82