

Program Complot
(Version 2018-1)

by

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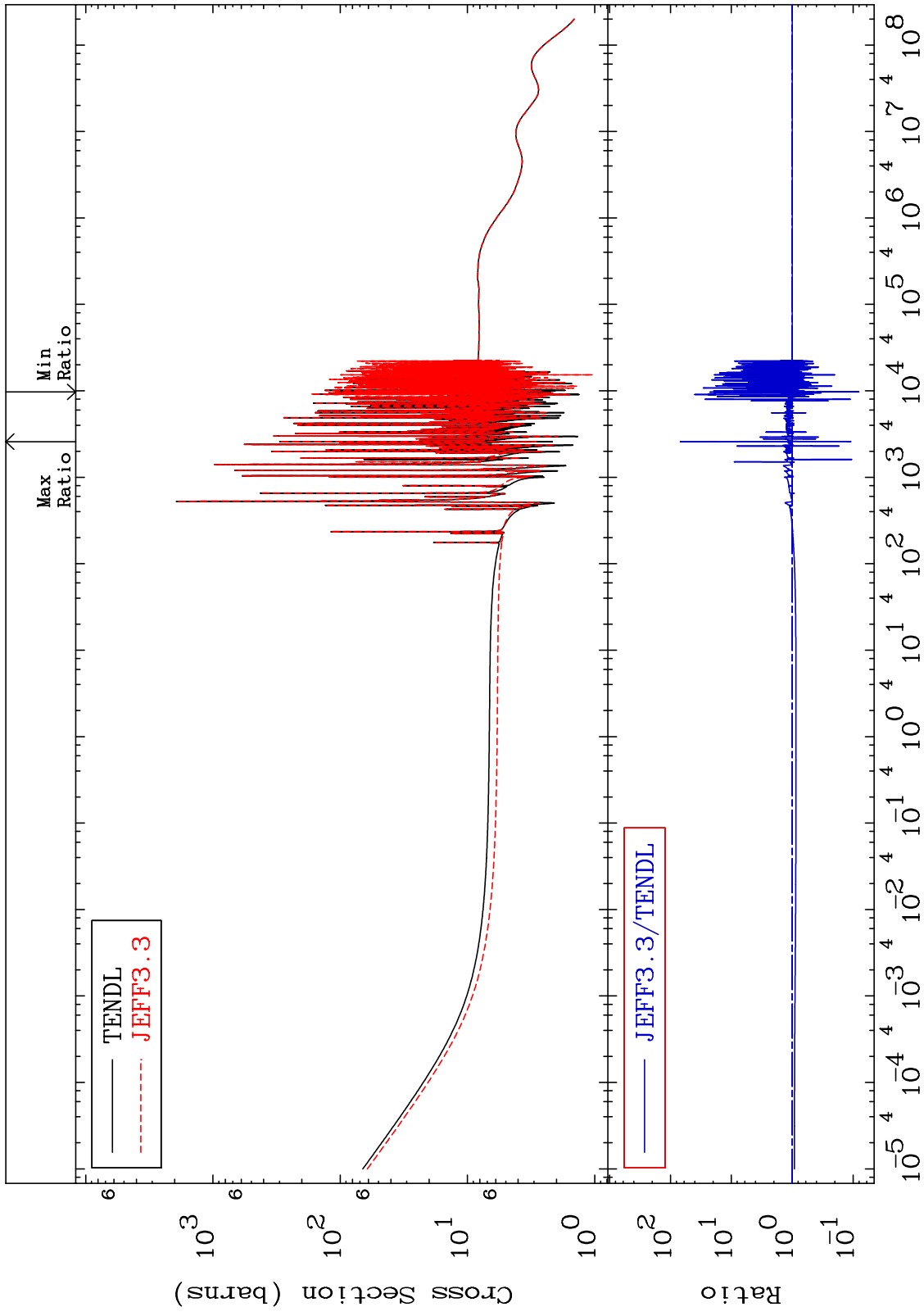
Press Mouse Button to Start

MAT 3725

Total
Cross Section

37-Rb-85

-91.96 To 6821. %



1

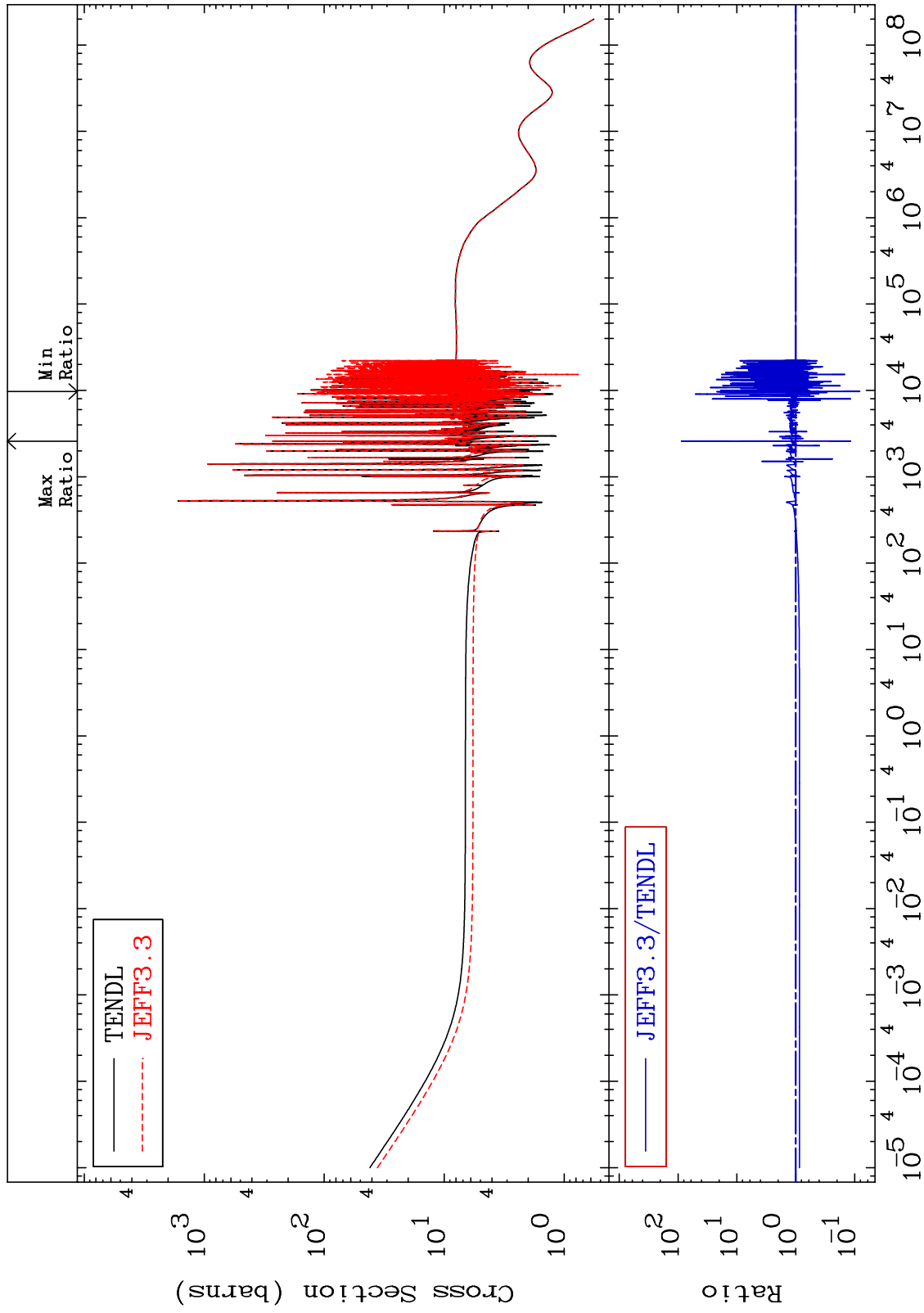
Incident Energy (eV)

37-Rb-85

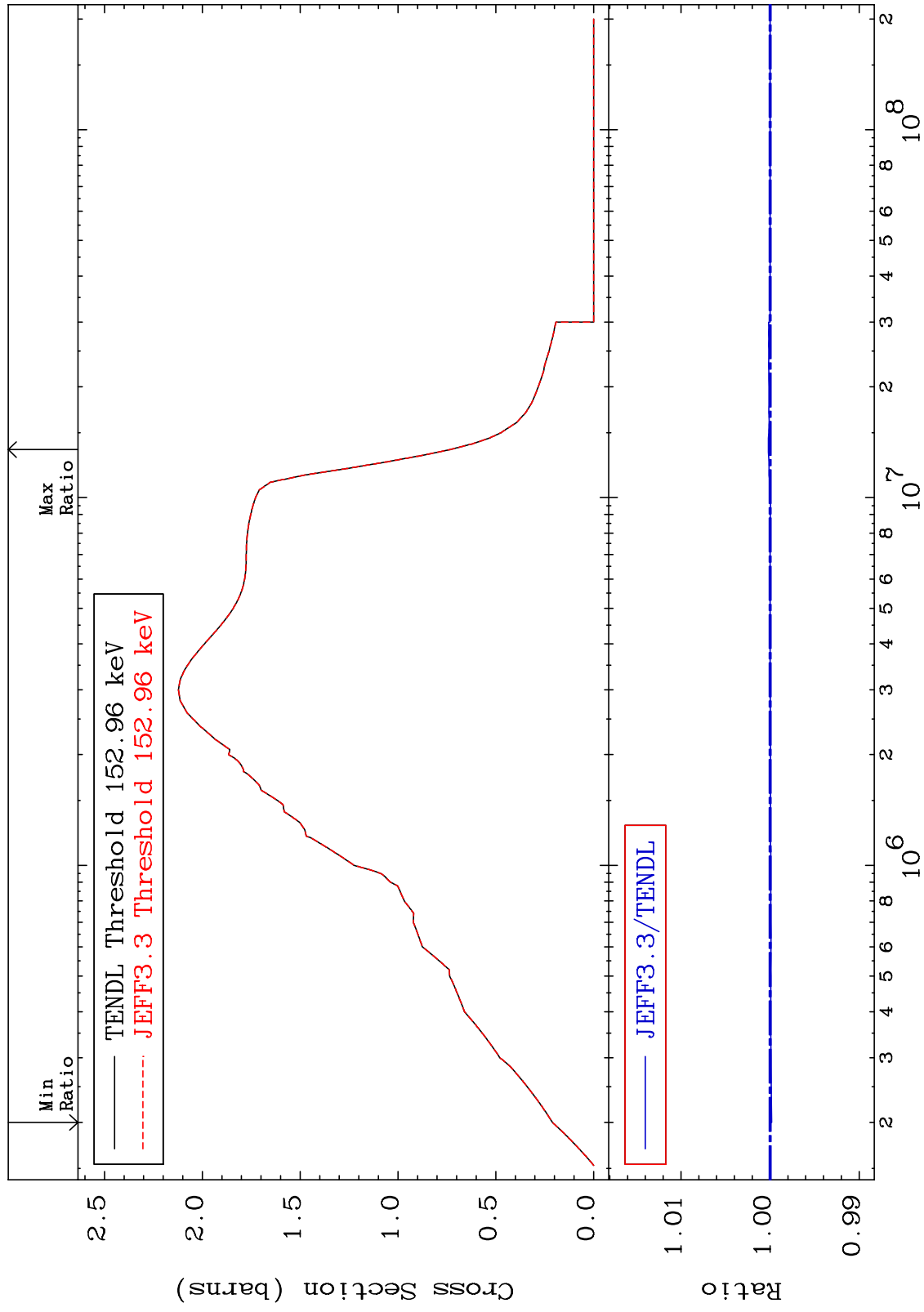
MAT 3725

Elastic
Cross Section

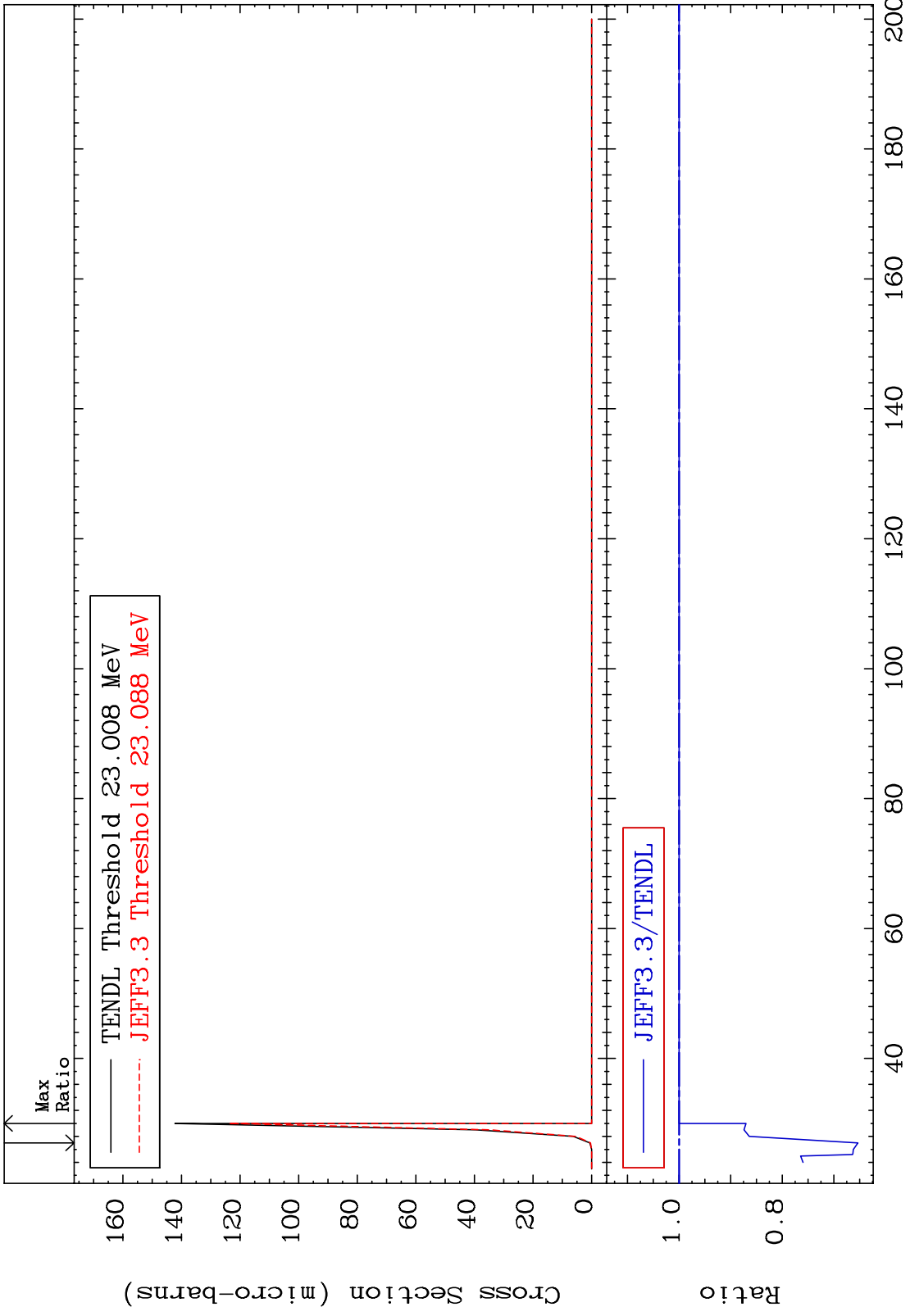
37-Rb-85
-91.82 To 8714. %



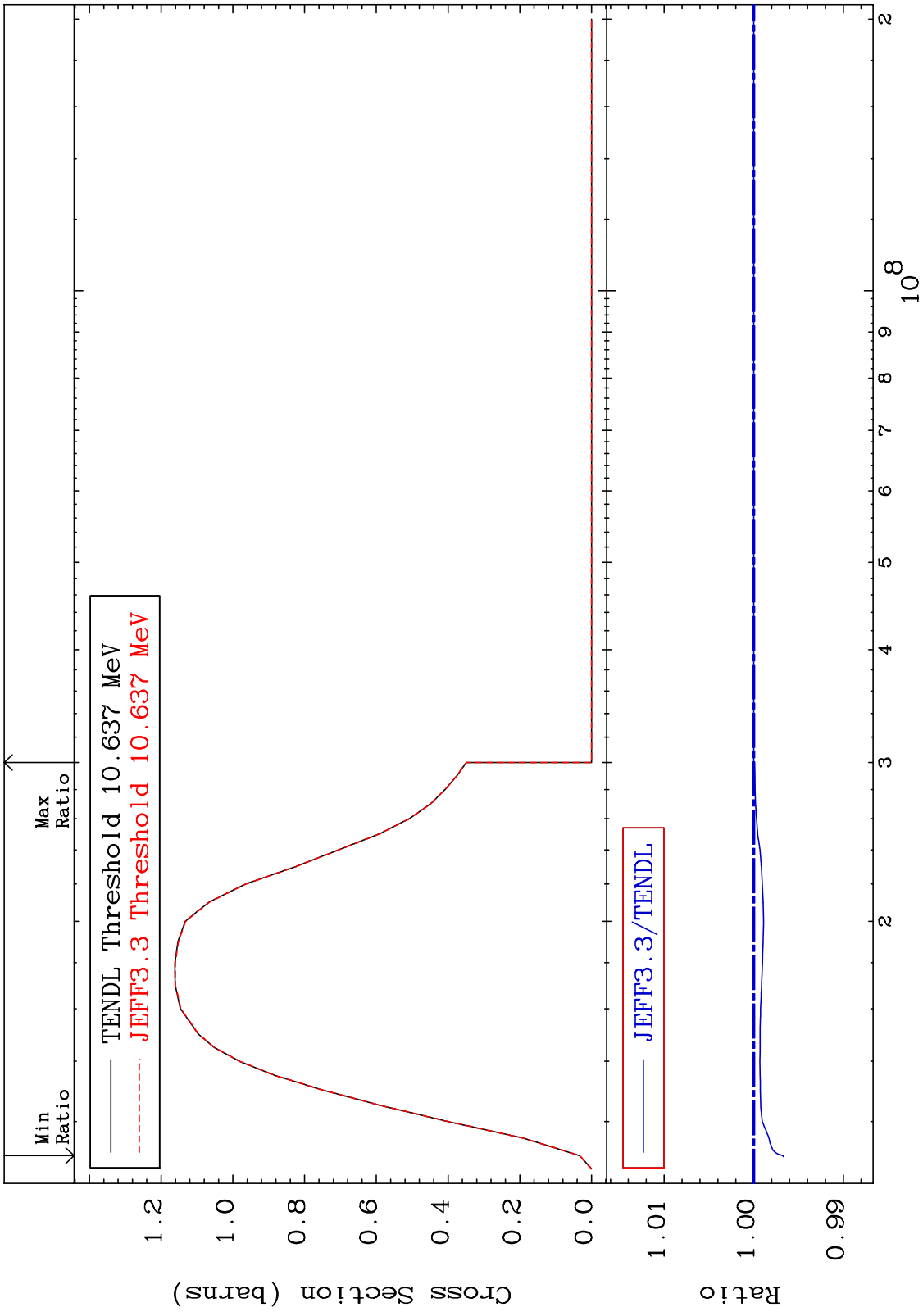
MAT 3725 37-Rb-85 Inelastic Cross Section -0.018 To 0.020 % 37-Rb-85



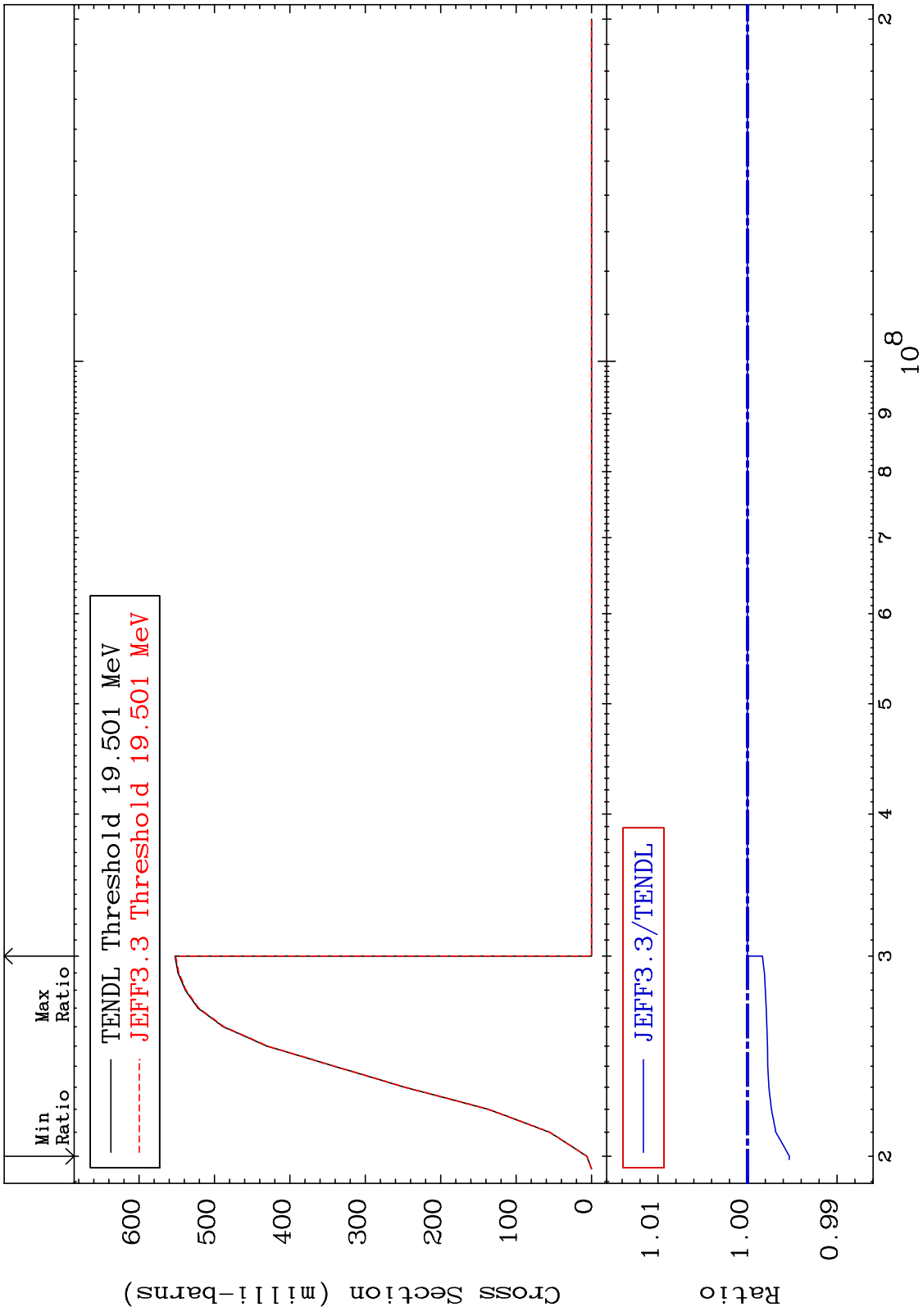
MAT 3725 (n,2n) d 37-Rb-85
Cross Section -34.65 To 0.000 %

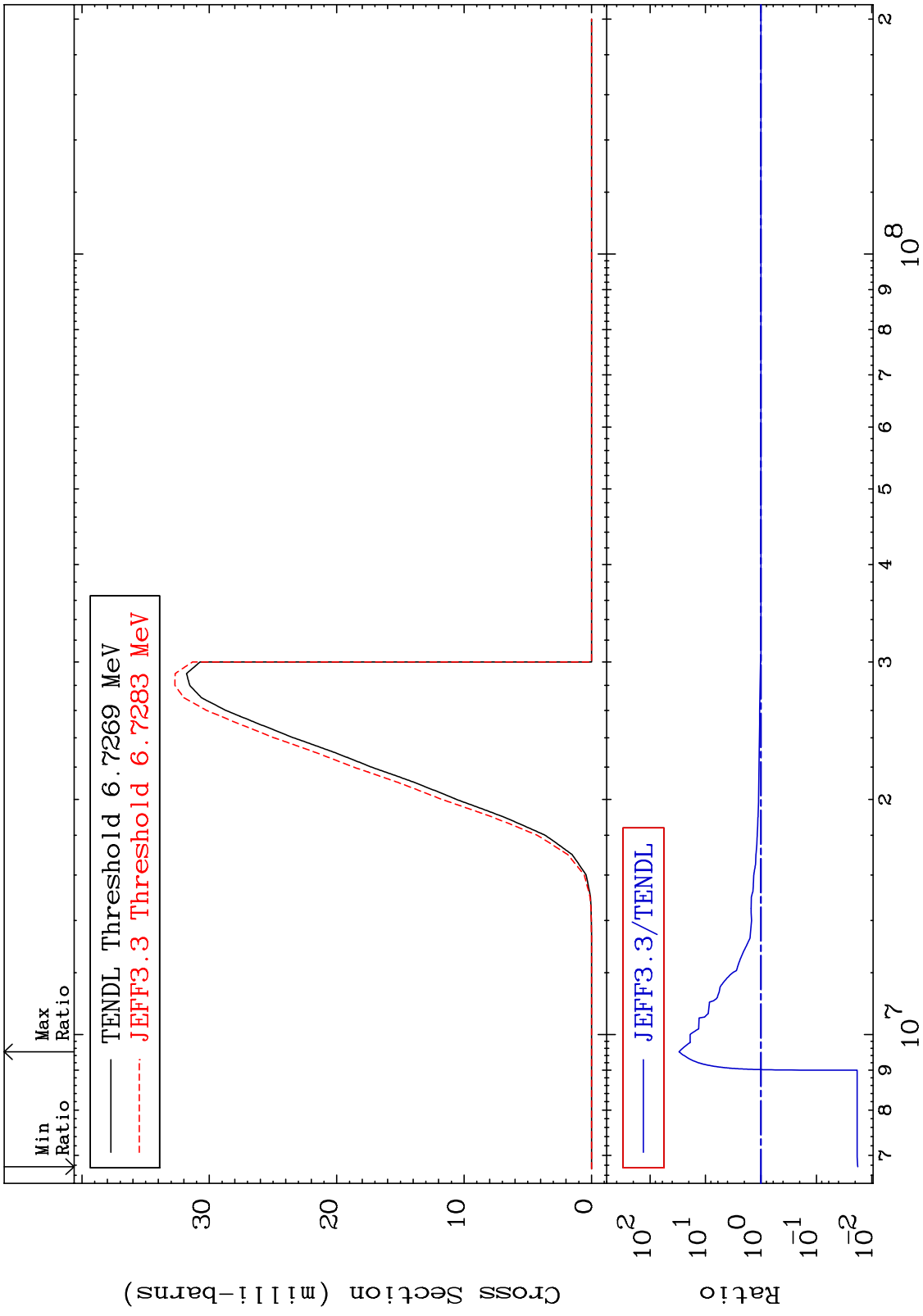


MAT 3725 $(n,2n)$ Cross Section $^{37}\text{Rb-85}$
 -0.329 To 0.000 %

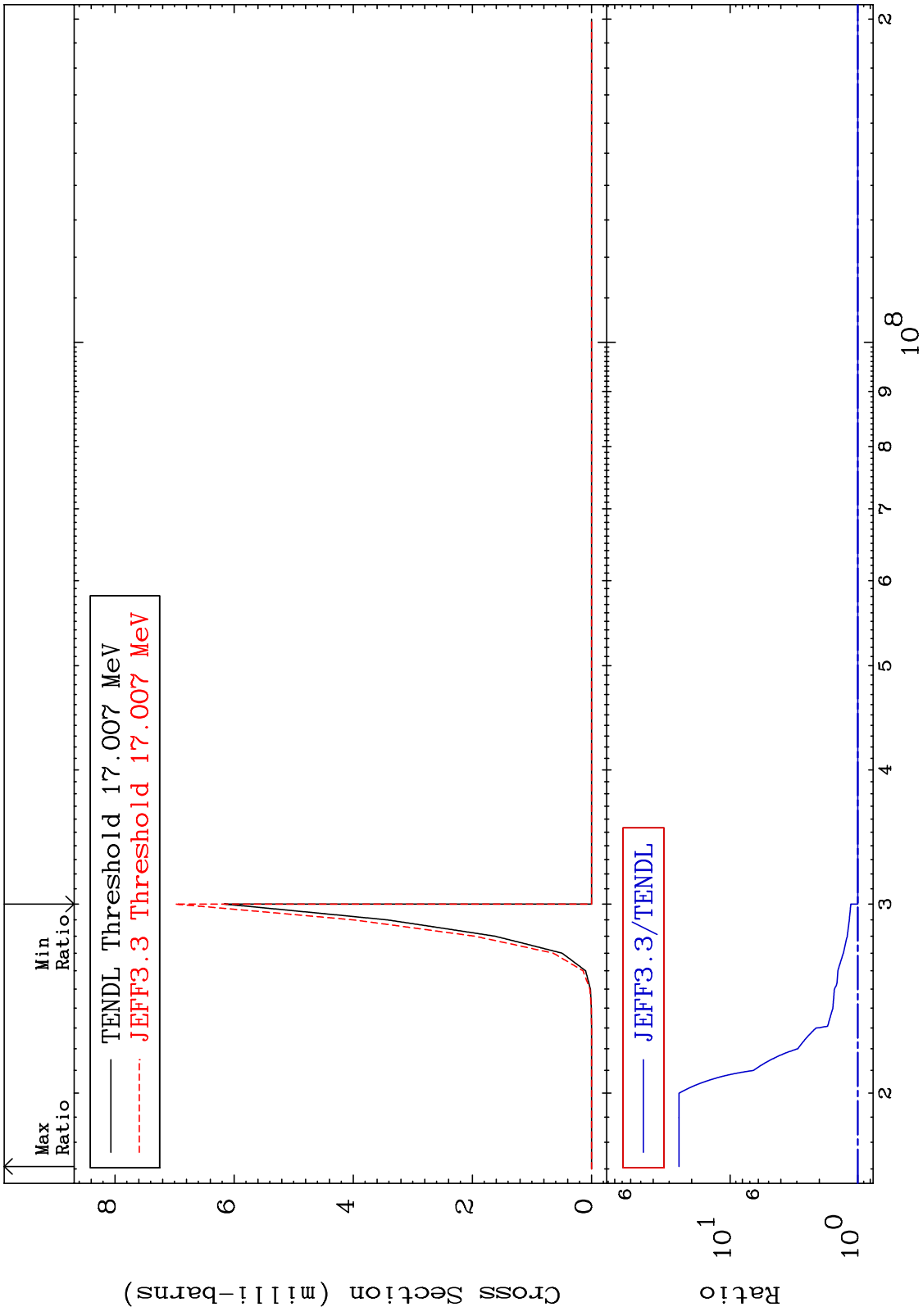


MAT 3725 $(n, 3n)$ $^{37}\text{Rb-85}$
 Cross Section -0.467 To 0.000 %

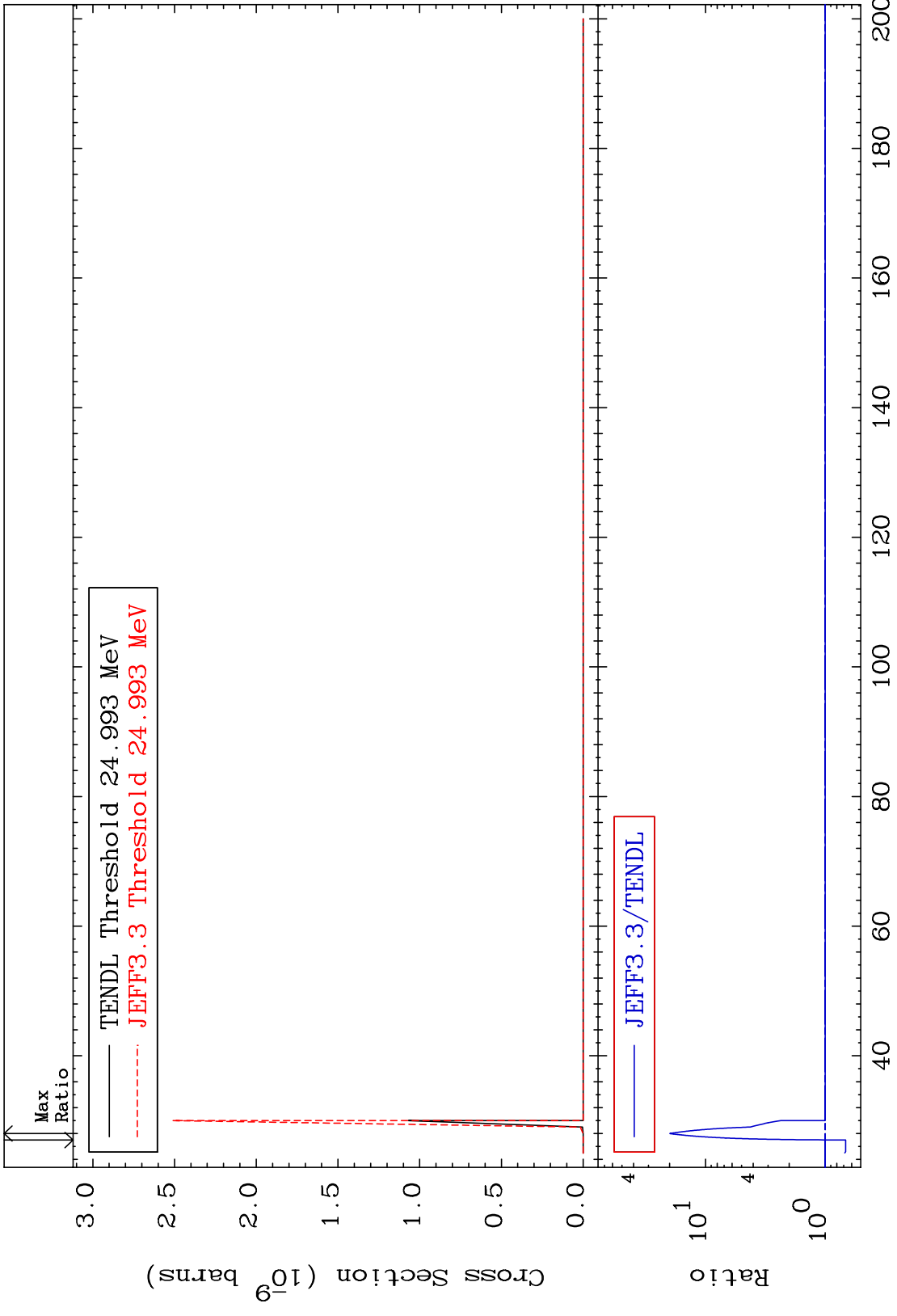




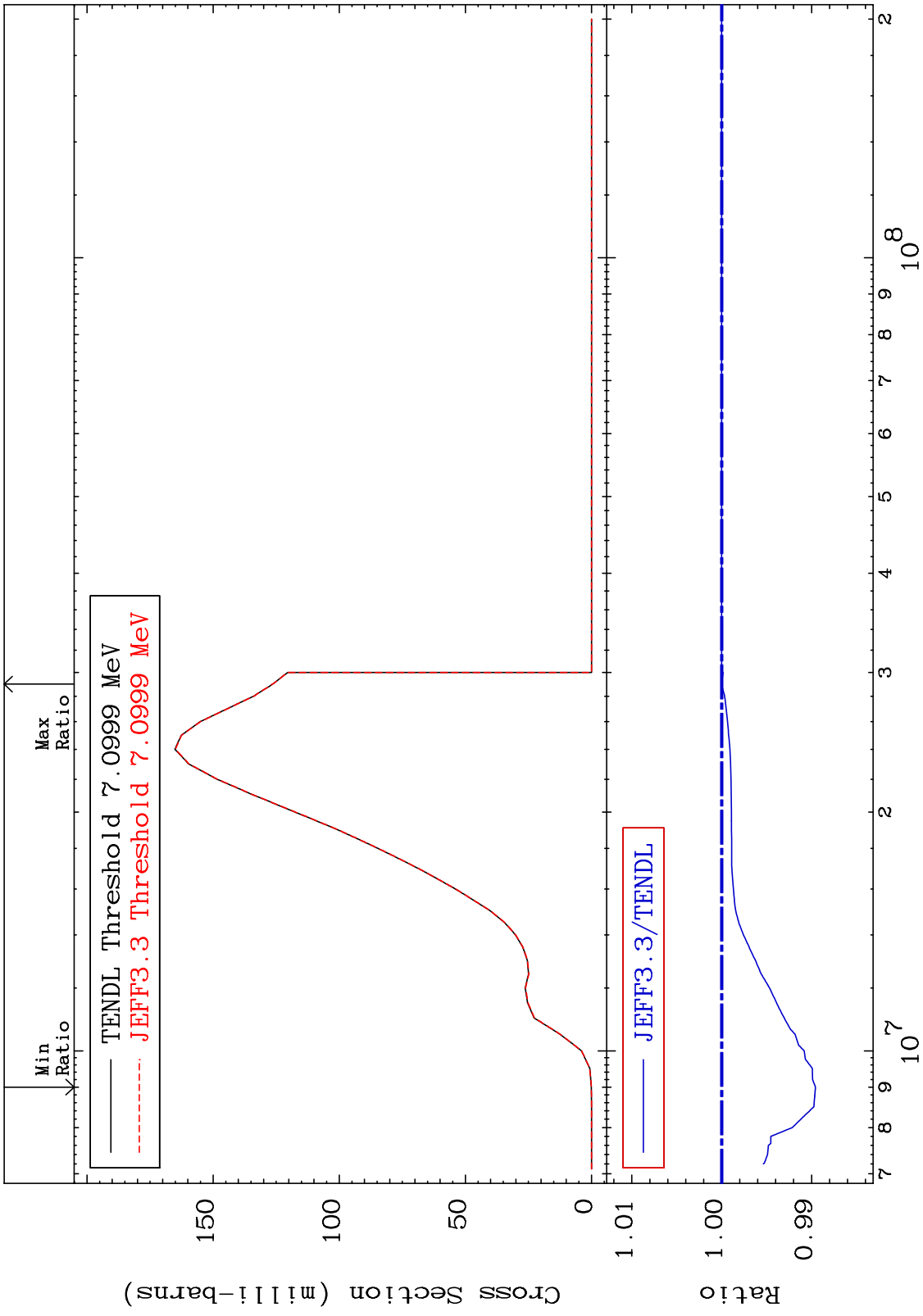
MAT 3725 $(n, 2n) \alpha$ 37-Rb-85
Cross Section 0.000 To 2407. %



MAT 3725 (n,3n) α 37-Rb-85
 Cross Section -32.56 To 1907. %



MAT 3725 (n, n') p $^{37}\text{Rb-85}$
Cross Section -1.043 To 0.003 %



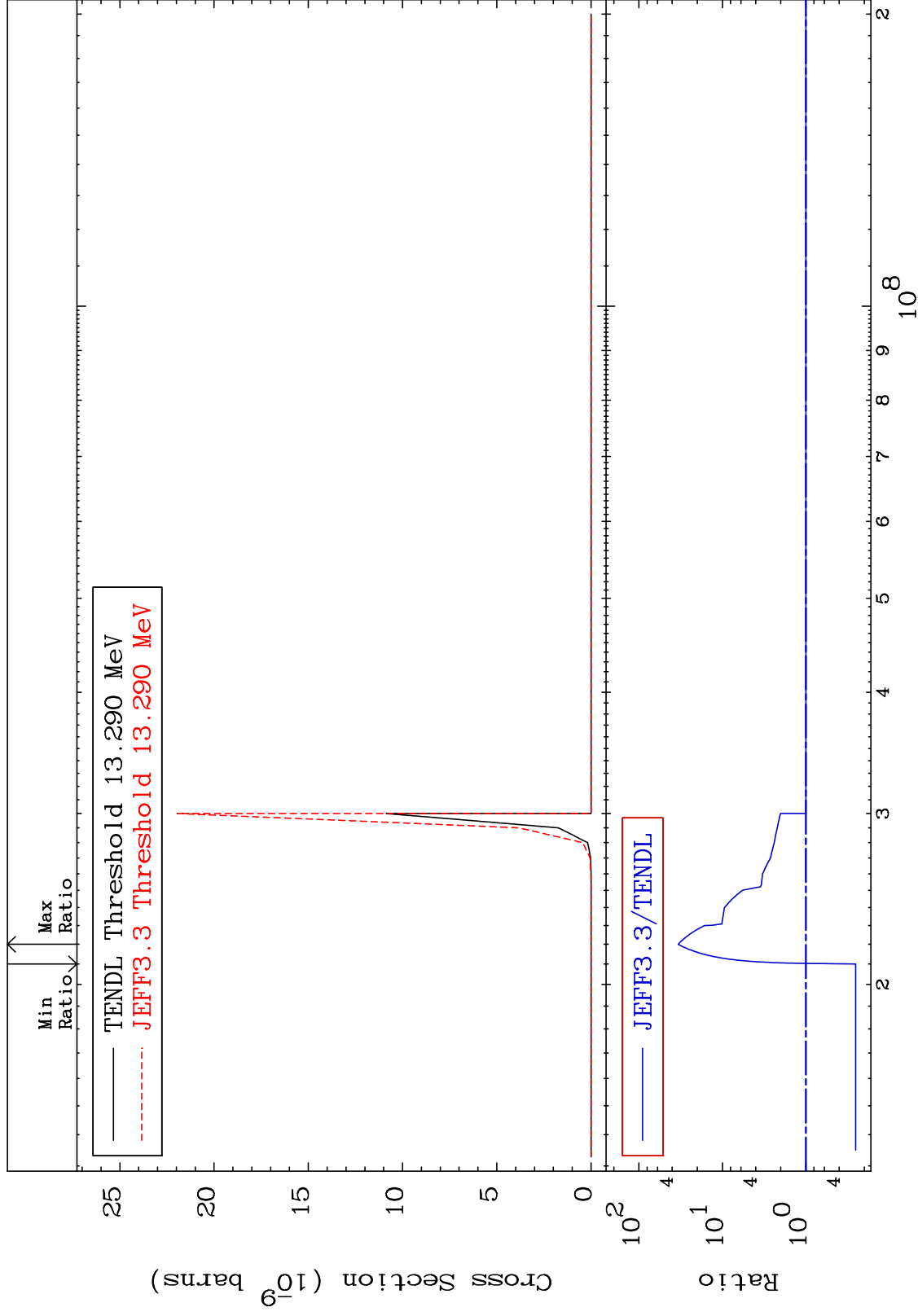
10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

37-Rb-85

MAT 3725

(n,n') 2α
Cross Section

37-Rb-85
-74.66 To 3303. %



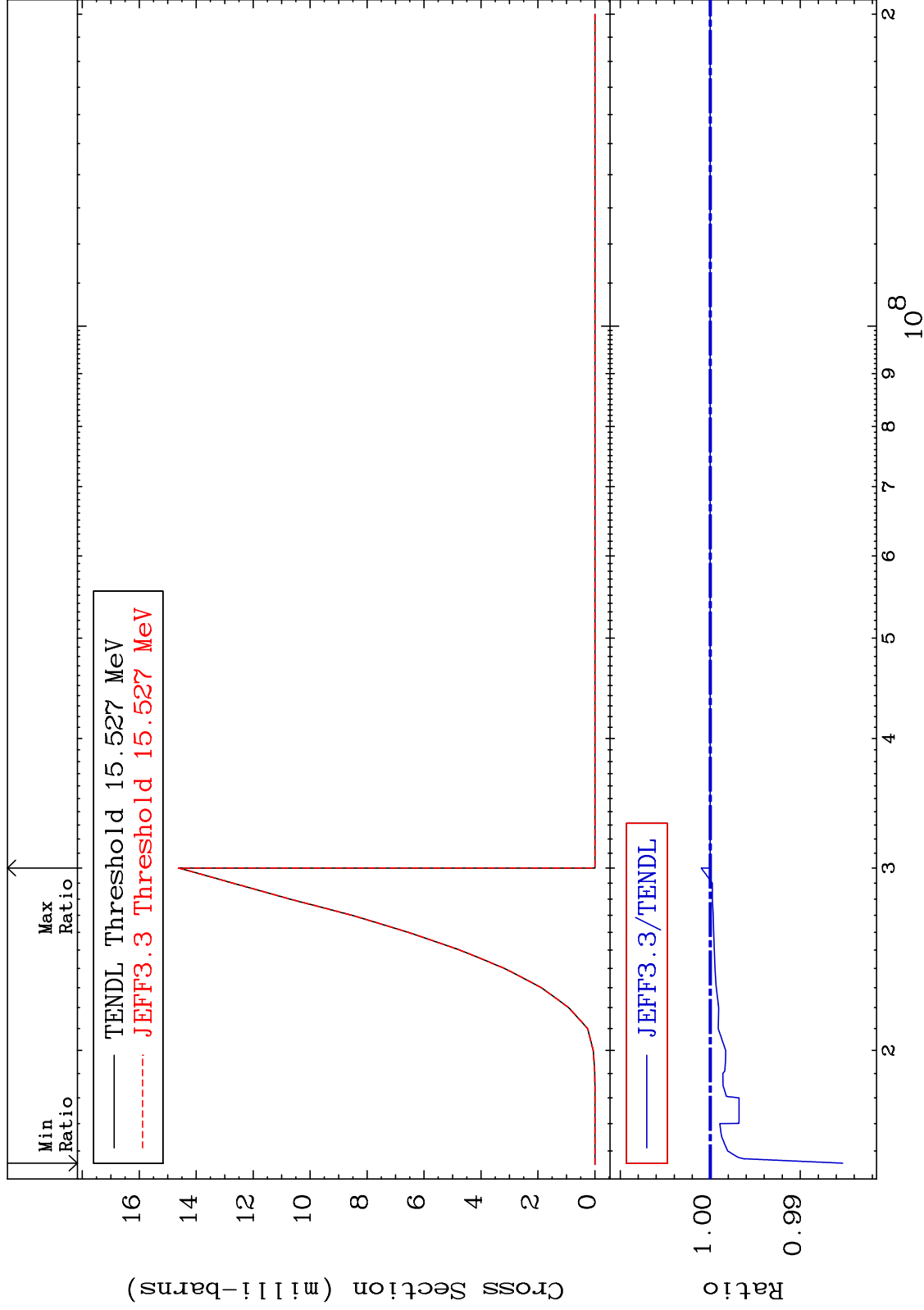
MAT 3725

(n, n') d

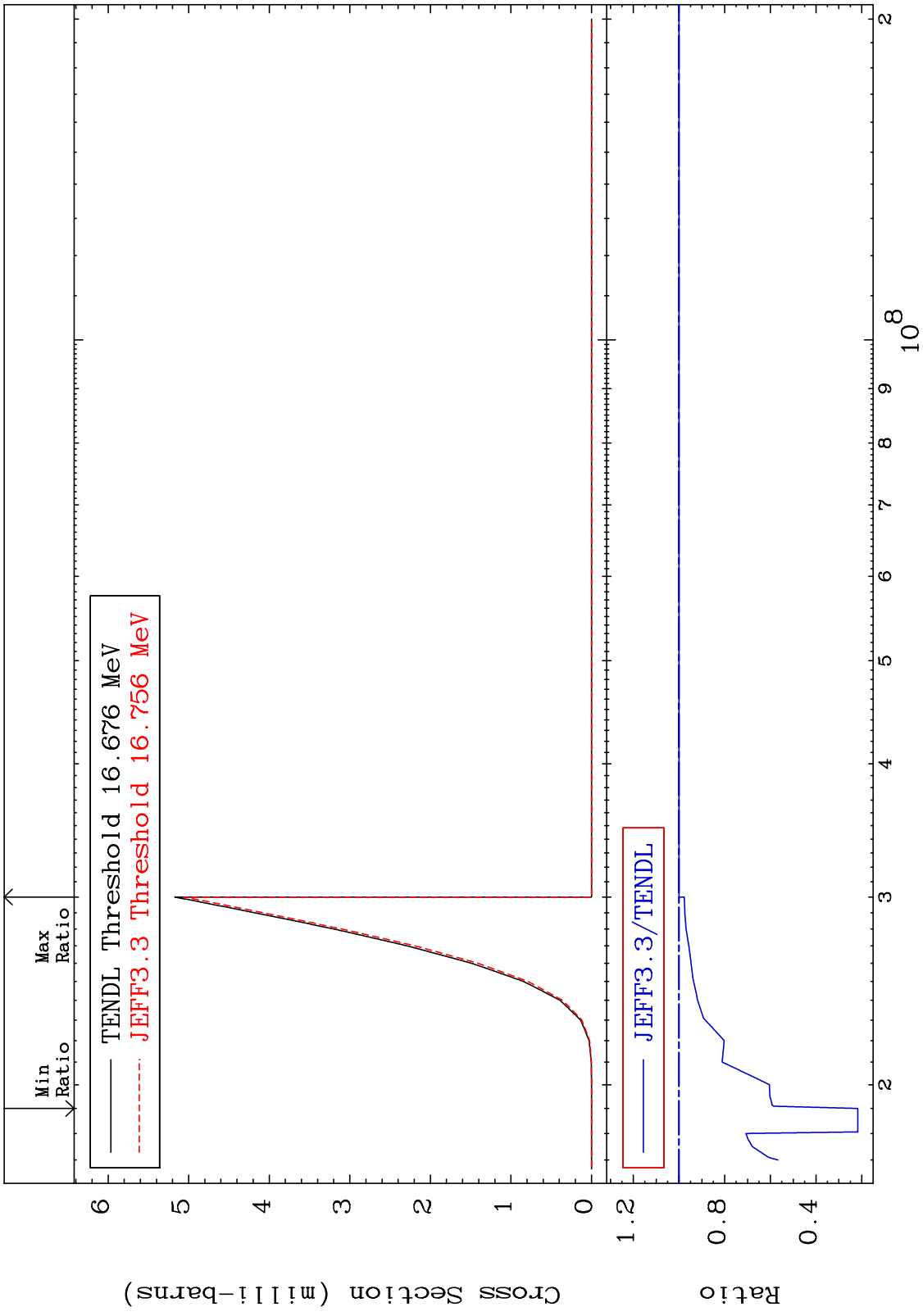
37-Rb-85

Cross Section

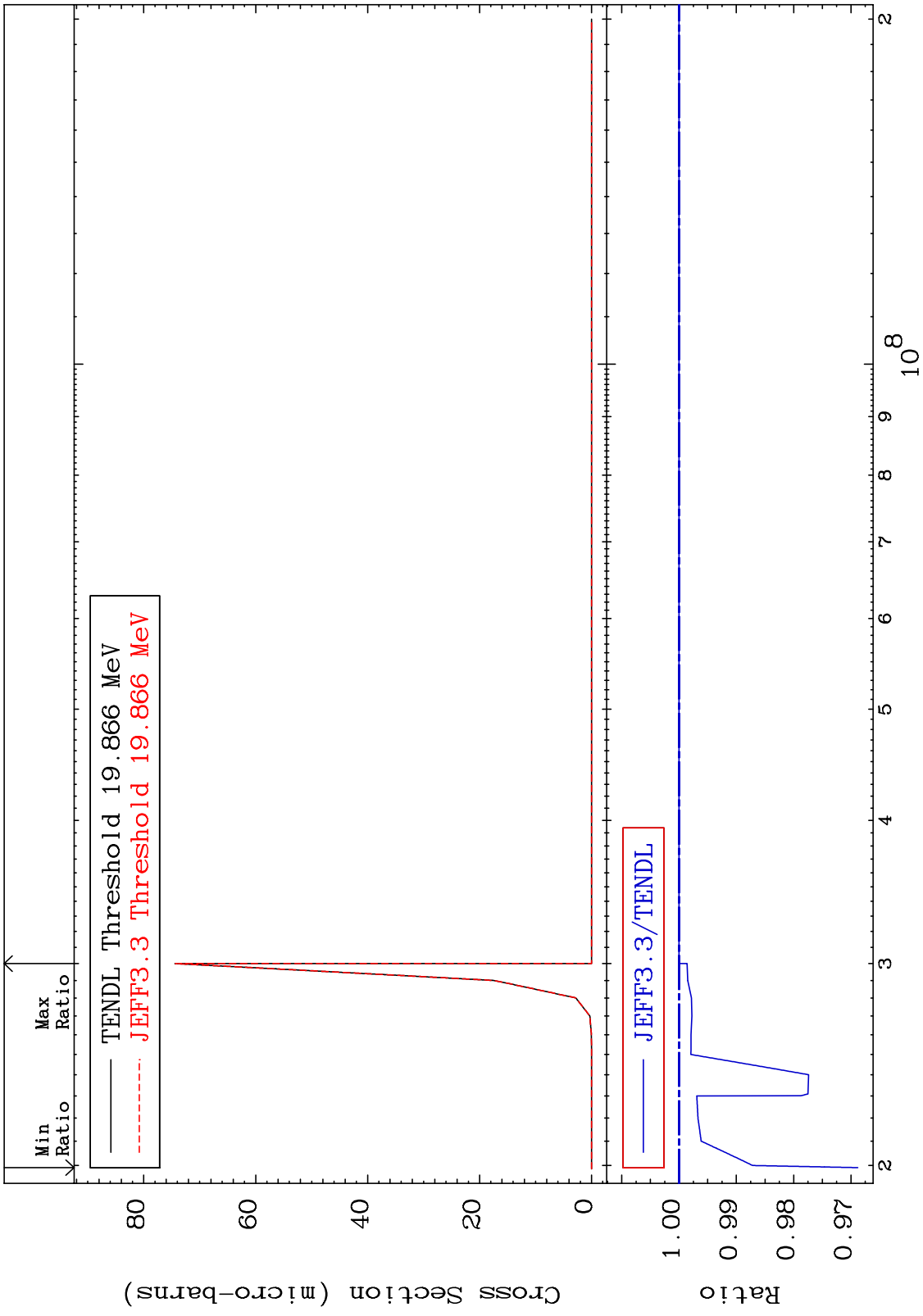
-1.470 To 0.101 %



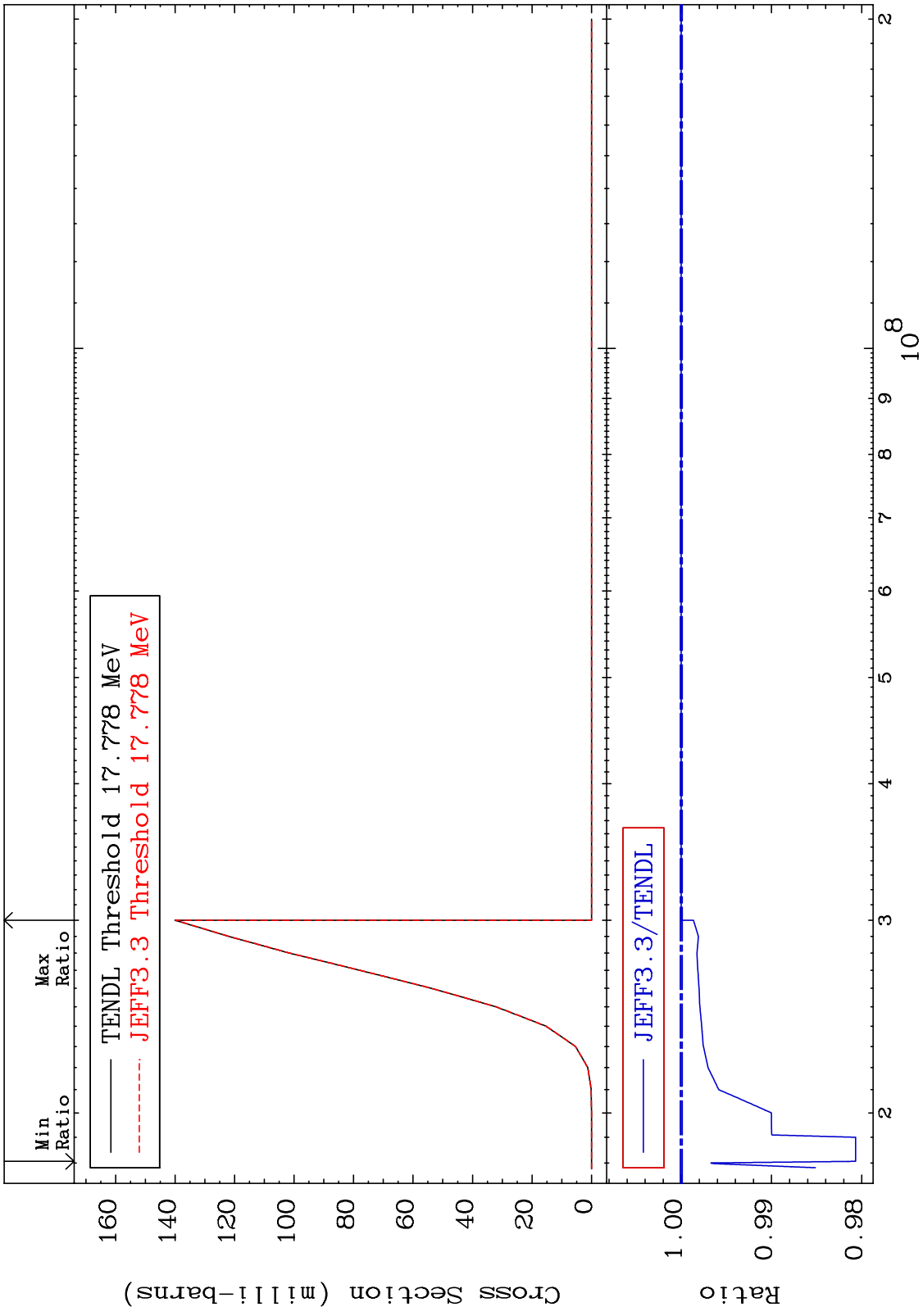
MAT 3725 $(n, n') t$ 37-Rb-85
 Cross Section -78.31 To 0.000 %



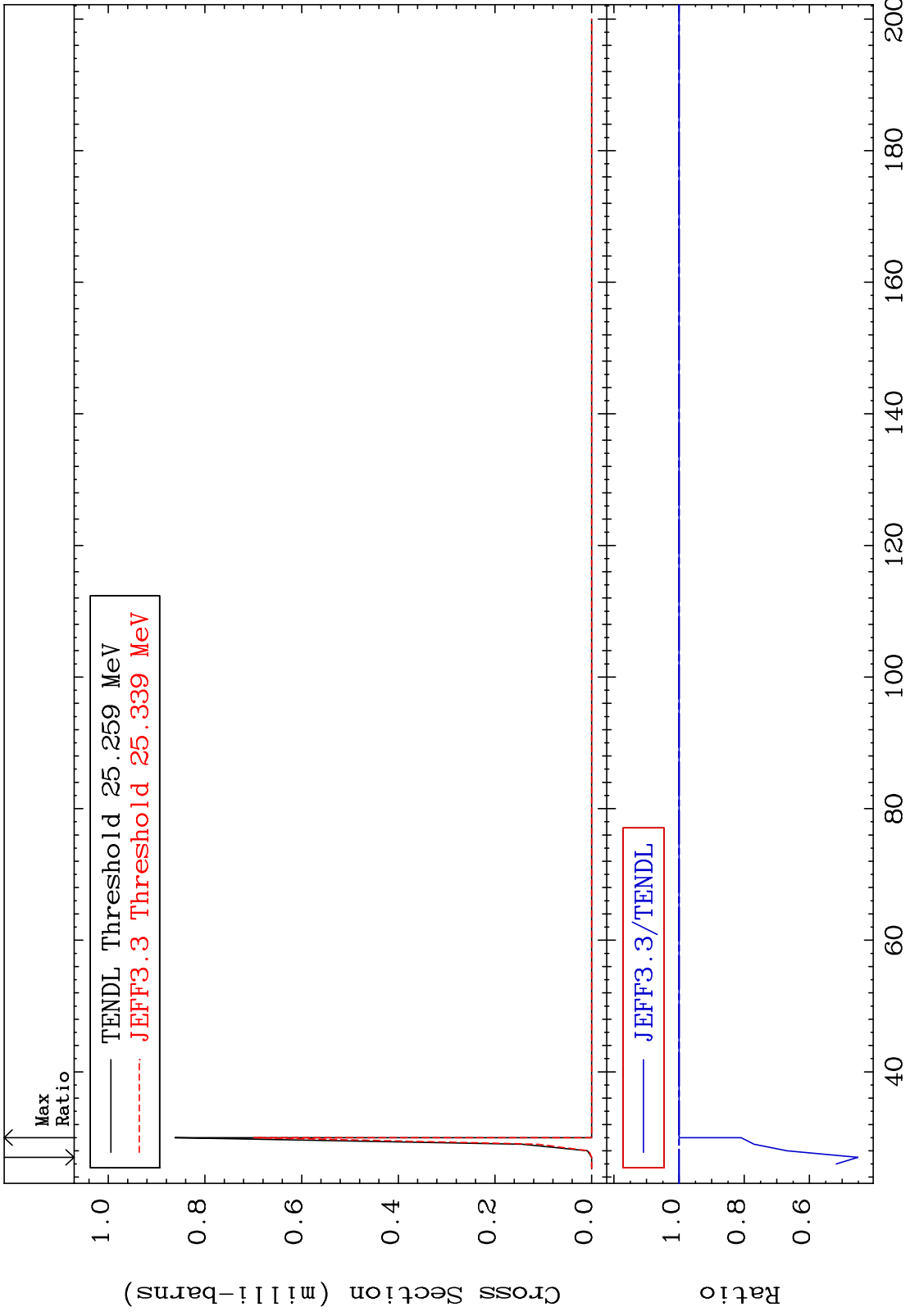
MAT 3725 (n, n') He-3 37-Rb-85
Cross Section -3.120 To 0.000 %



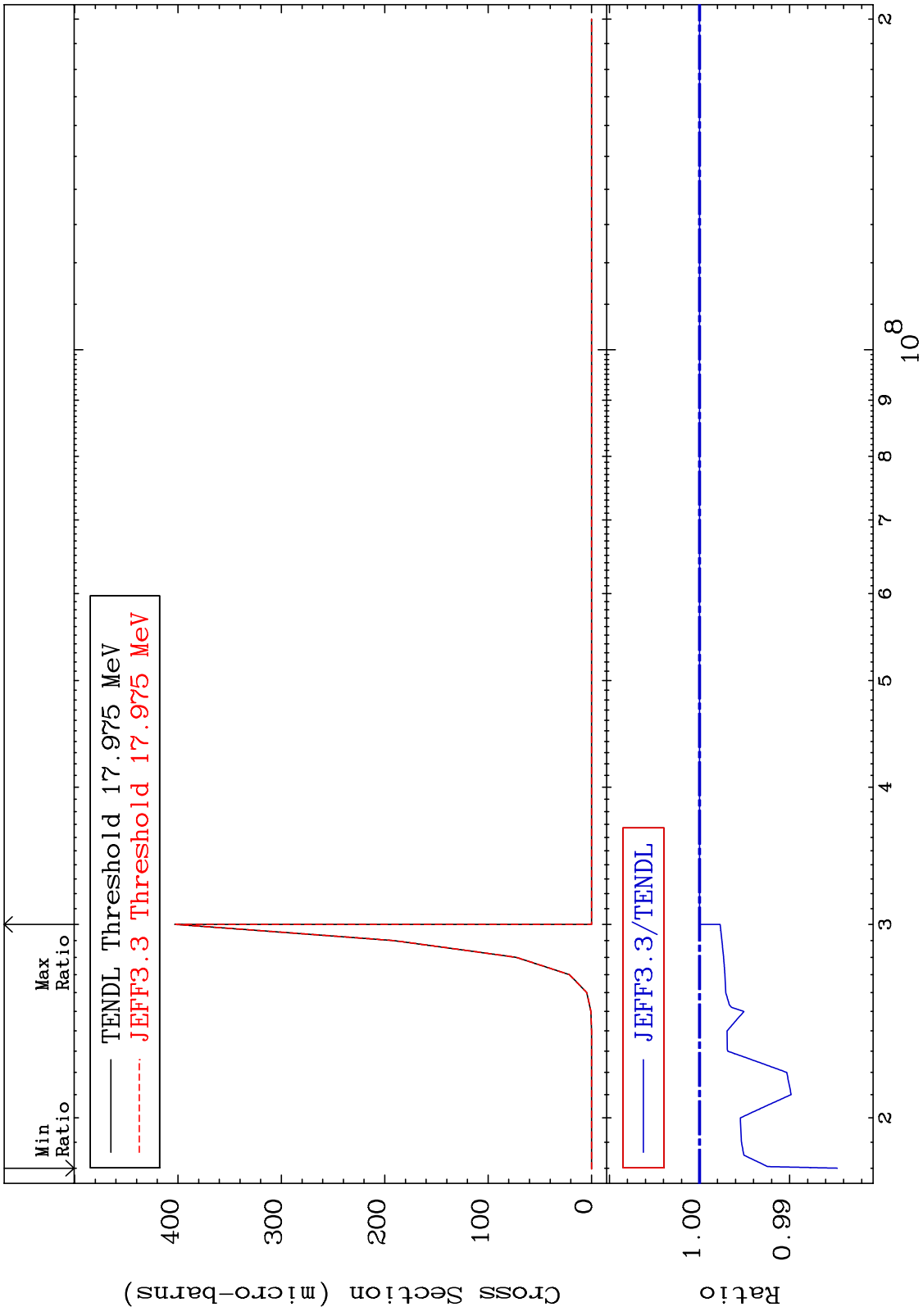
37-Rb-85



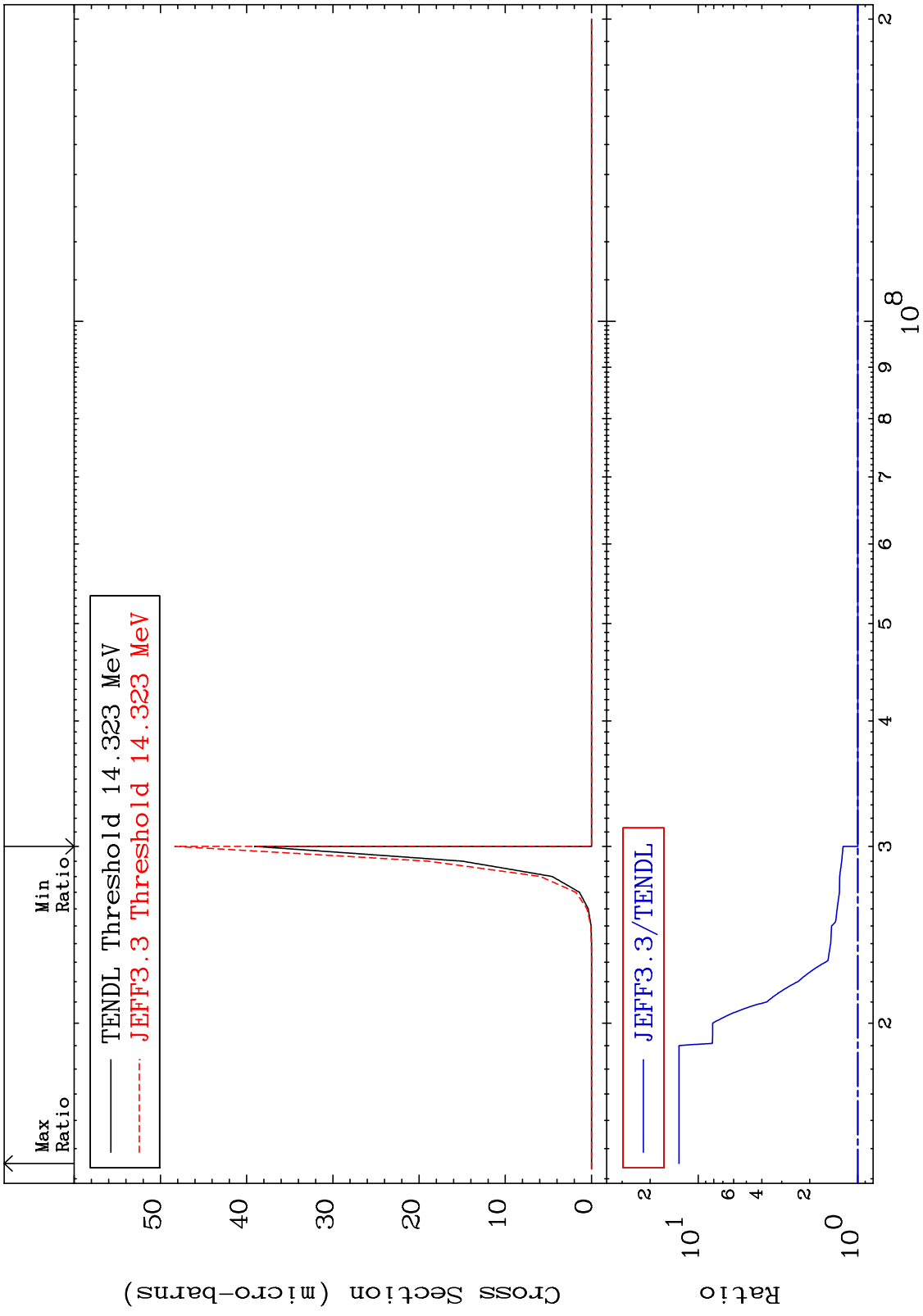
MAT 3725 (n,3n) p 37-Rb-85
 Cross Section -54.88 To 0.000 %



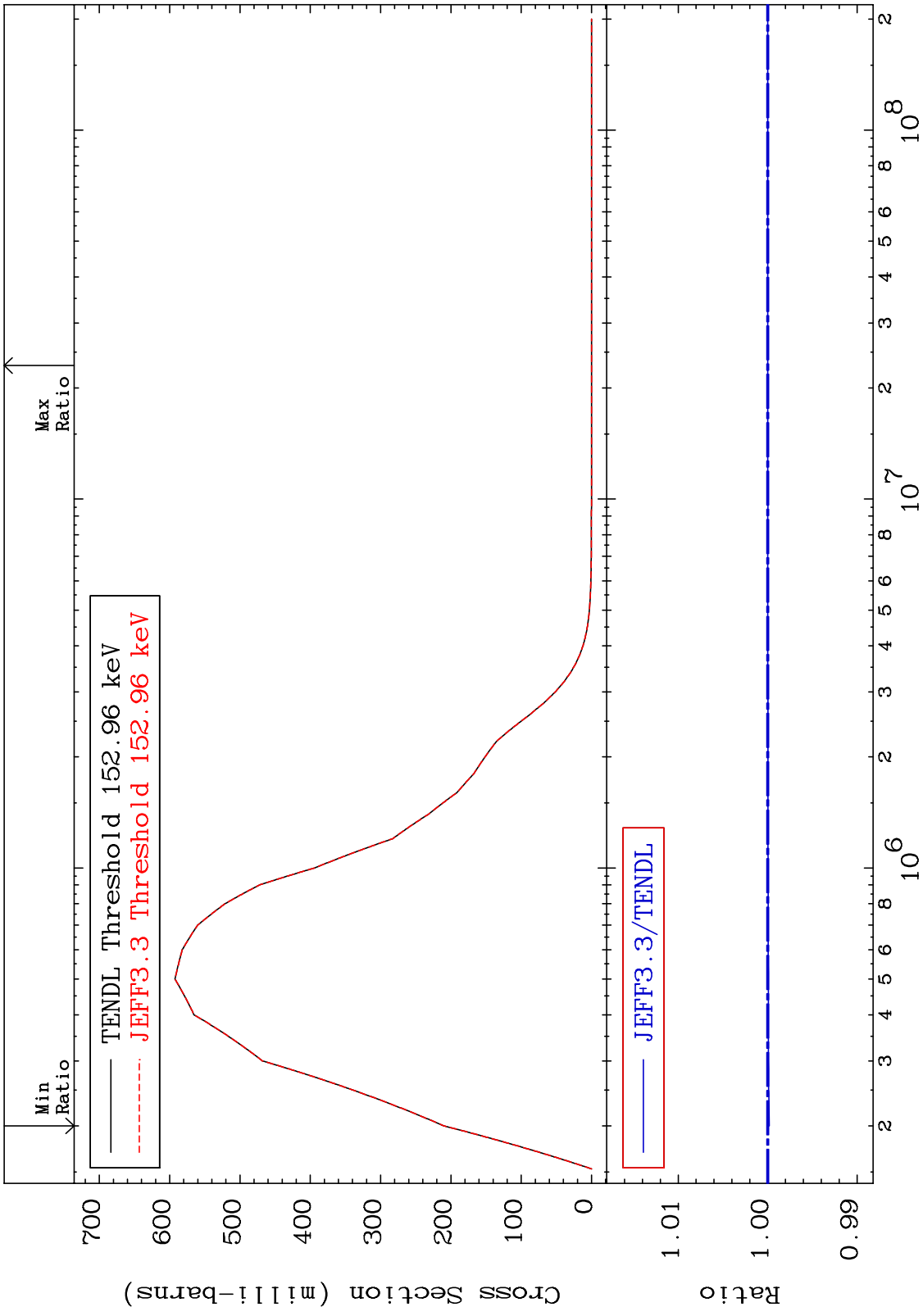
MAT 3725 $(n, 2n) p$ $^{37}\text{Rb-85}$
 Cross Section -1.530 To 0.000 %



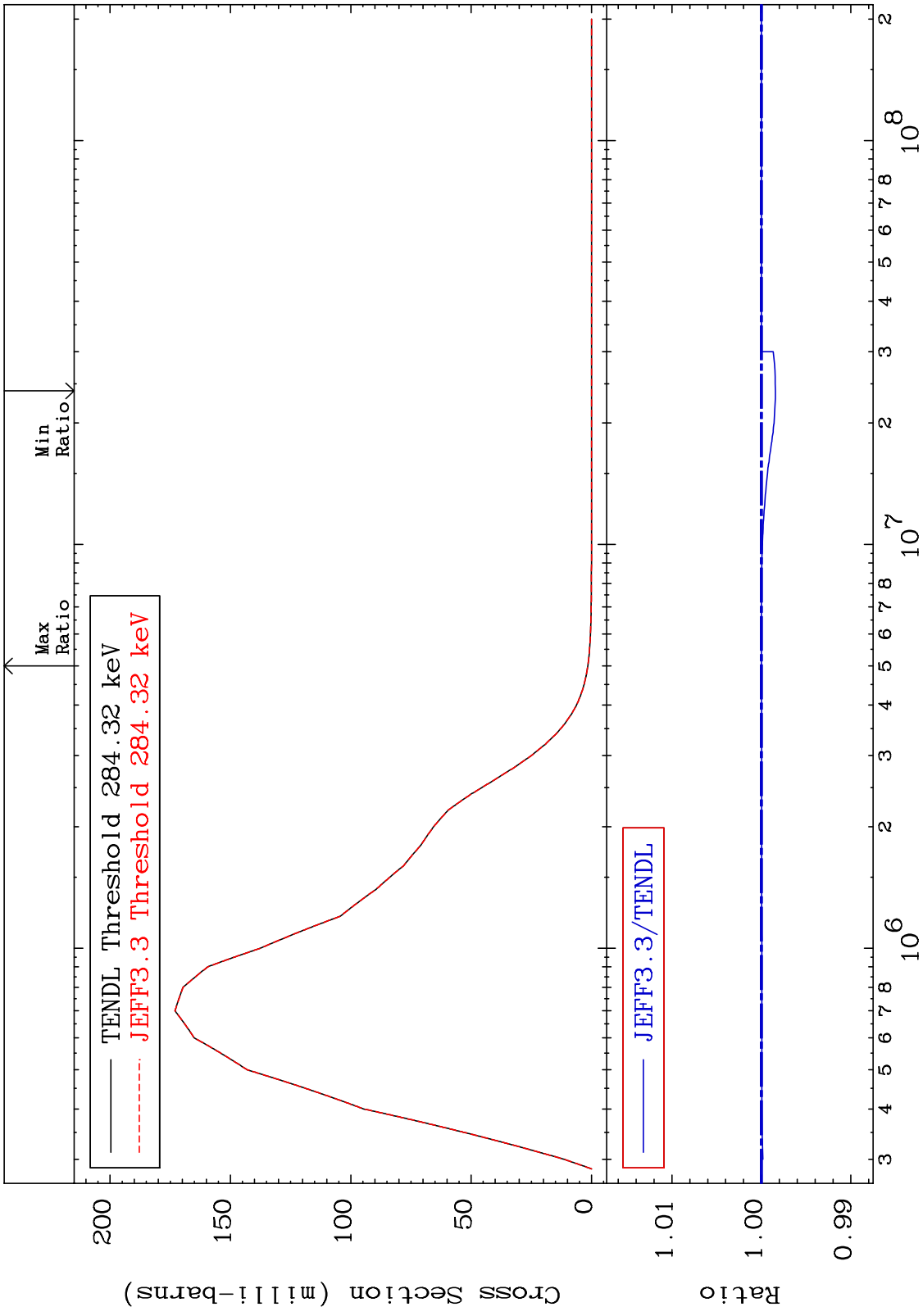
MAT 3725 (n, n') p α 37-Rb-85
 Cross Section 0.000 To 1219. %



MAT 3725 MT= 51 (n,n') Level Cross Section -0.018 To 0.000 % 37-Rb-85

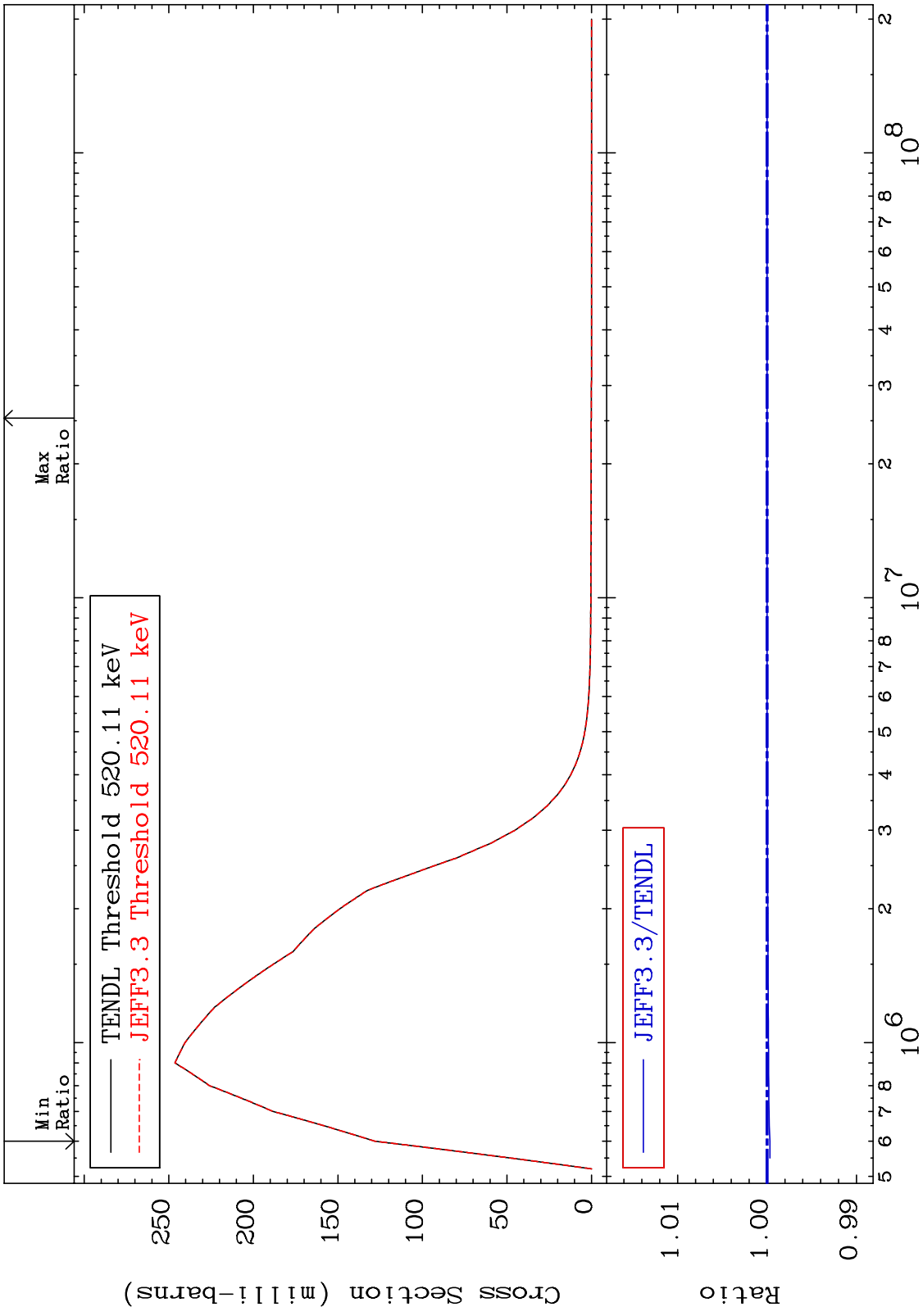


MAT 3725 MT= 52 (n,n') Level Cross Section -0.157 To 0.000 % 37-Rb-85

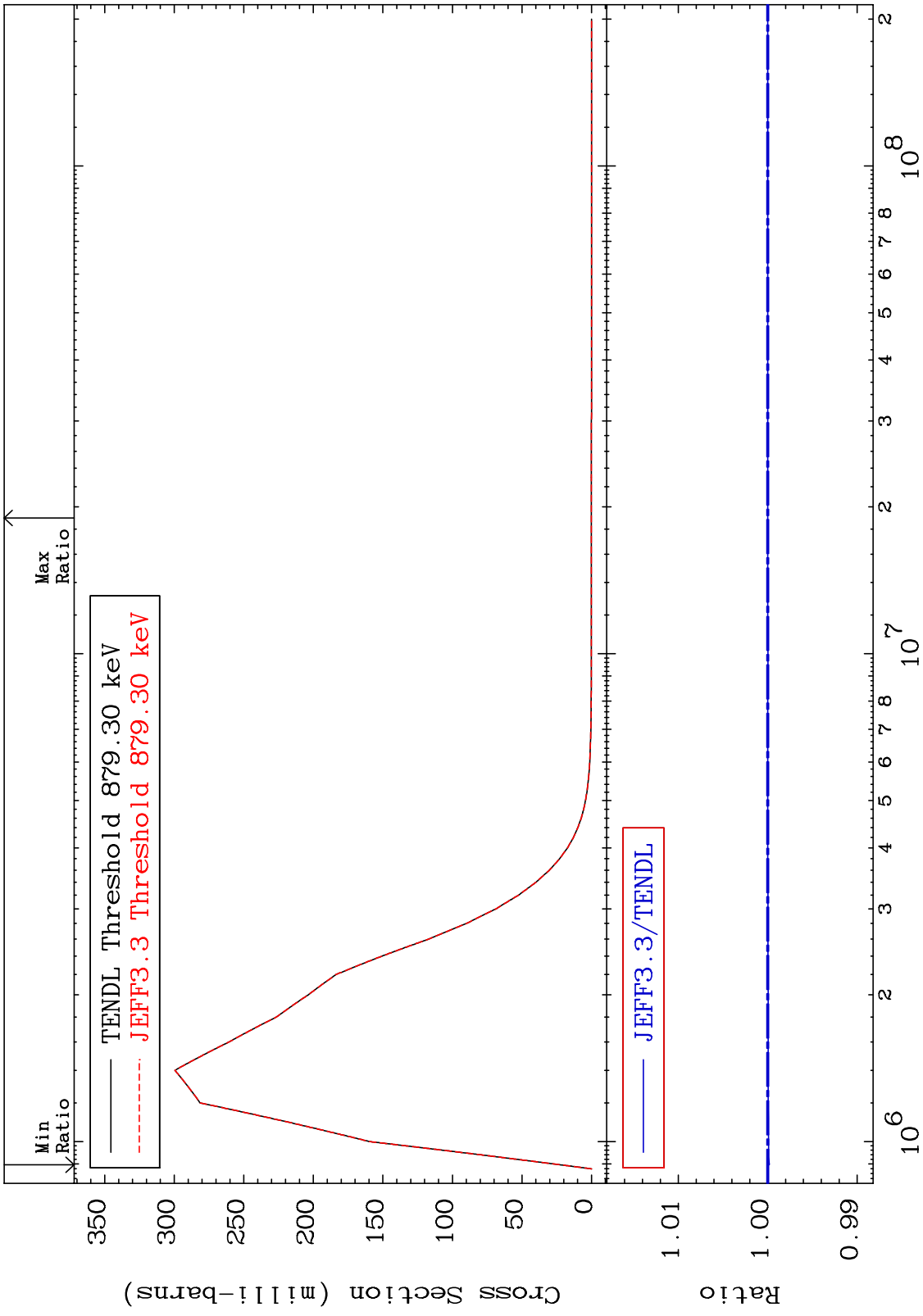


20 Incident Energy (eV) 37-Rb-85

MAT 3725 MT= 53 (n,n') Level Cross Section 37-Rb-85
 -0.031 To 0.000 %



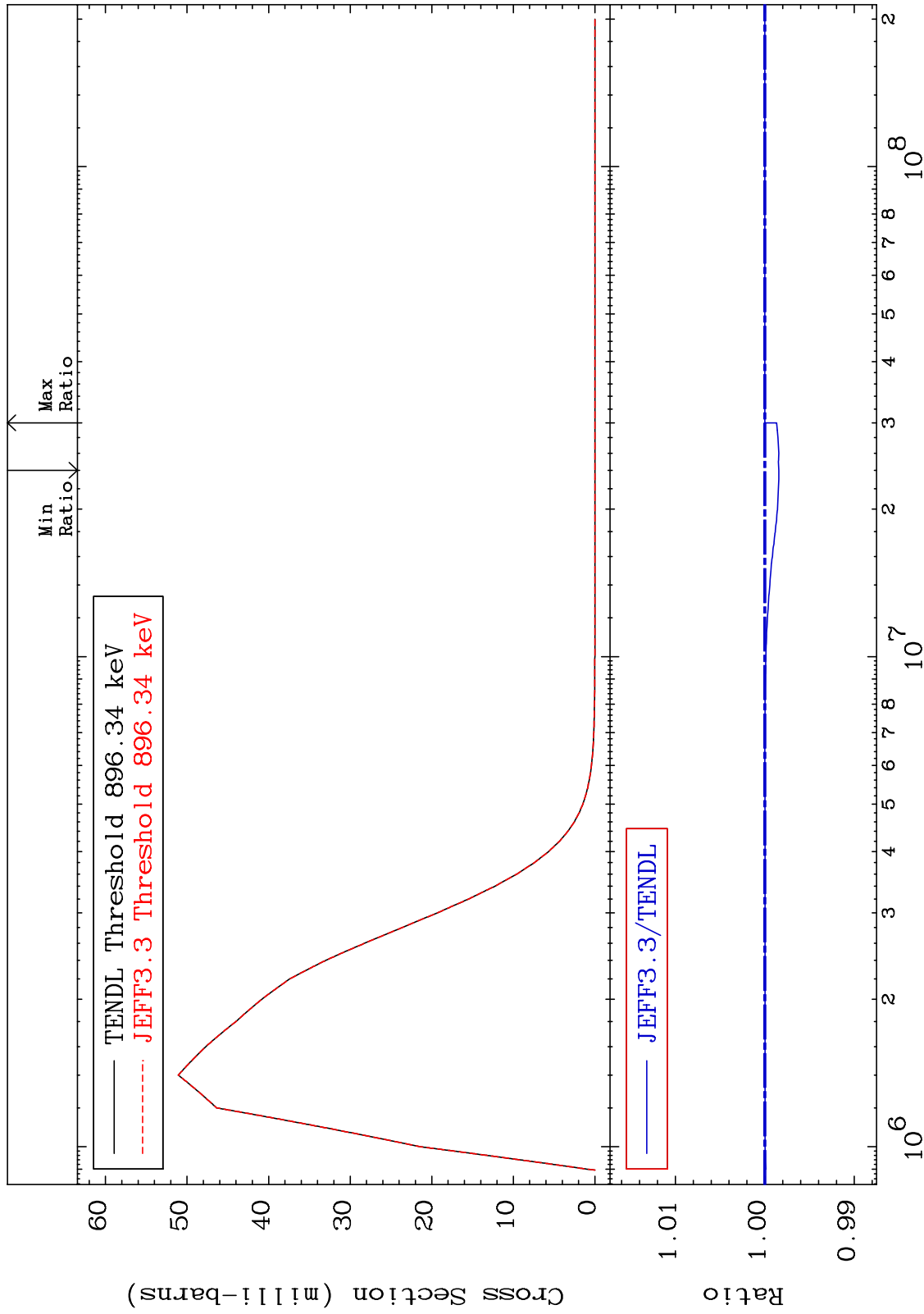
MAT 3725 MT= 55 (n,n') Level Cross Section -0.017 To 0.000 % 37-Rb-85



MAT 3725

MT= 56 (n,n') Level
Cross Section

37-Rb-85
-0.157 To 0.000 %

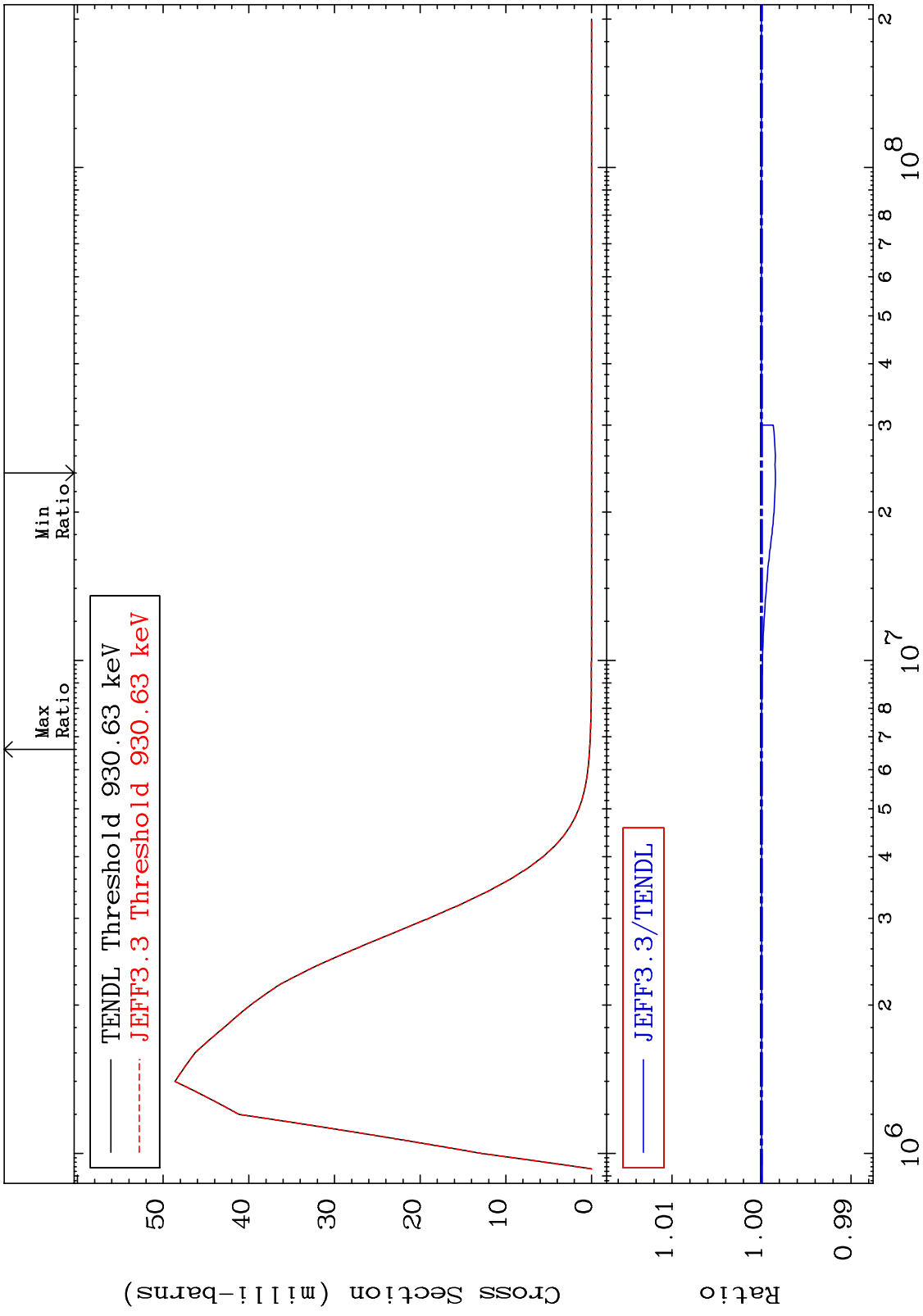


23

Incident Energy (eV)

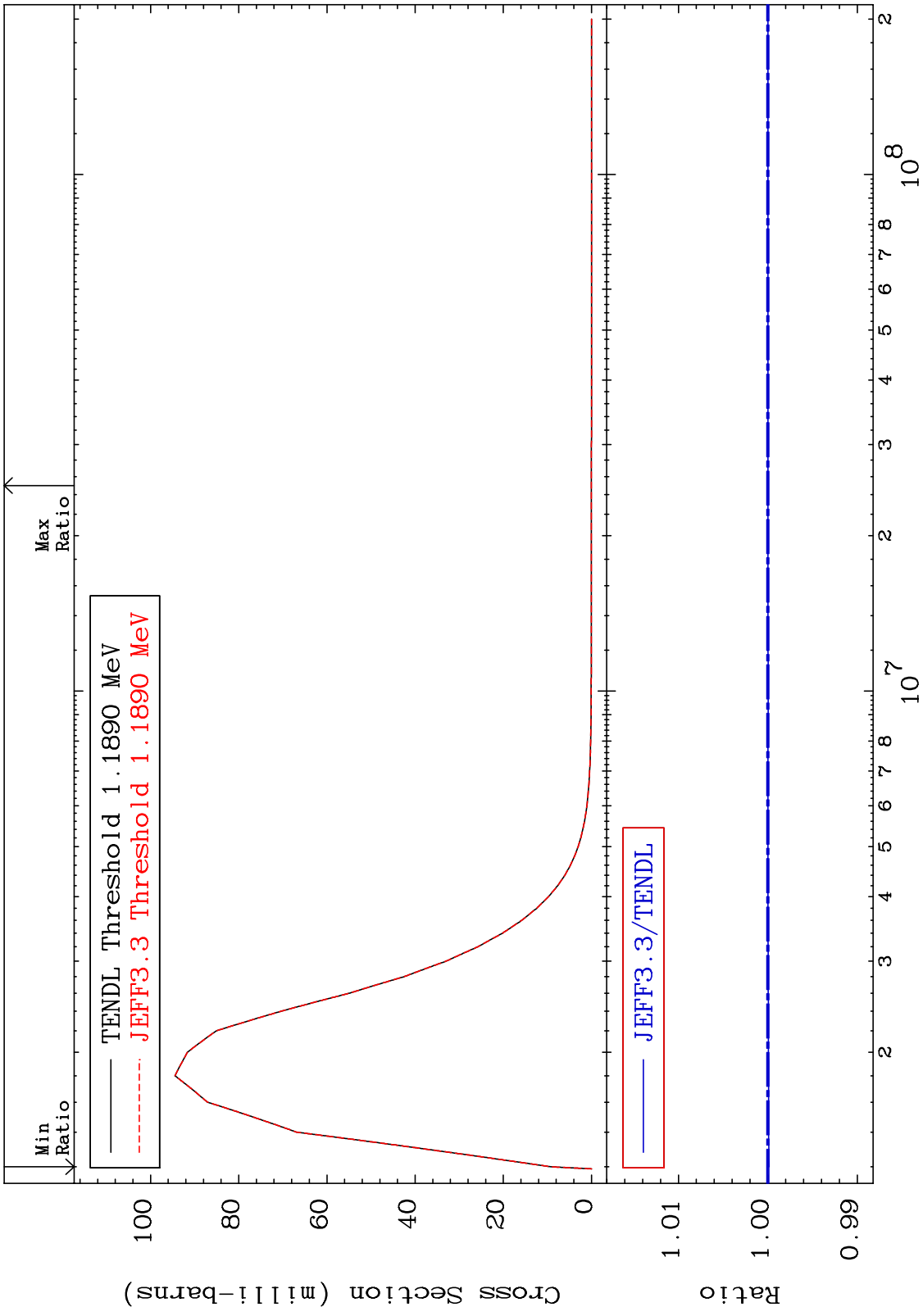
37-Rb-85

MAT 3725 MT= 57 (n,n') Level Cross Section 37-Rb-85 -0.157 To 0.000 %



24 Incident Energy (eV) 37-Rb-85

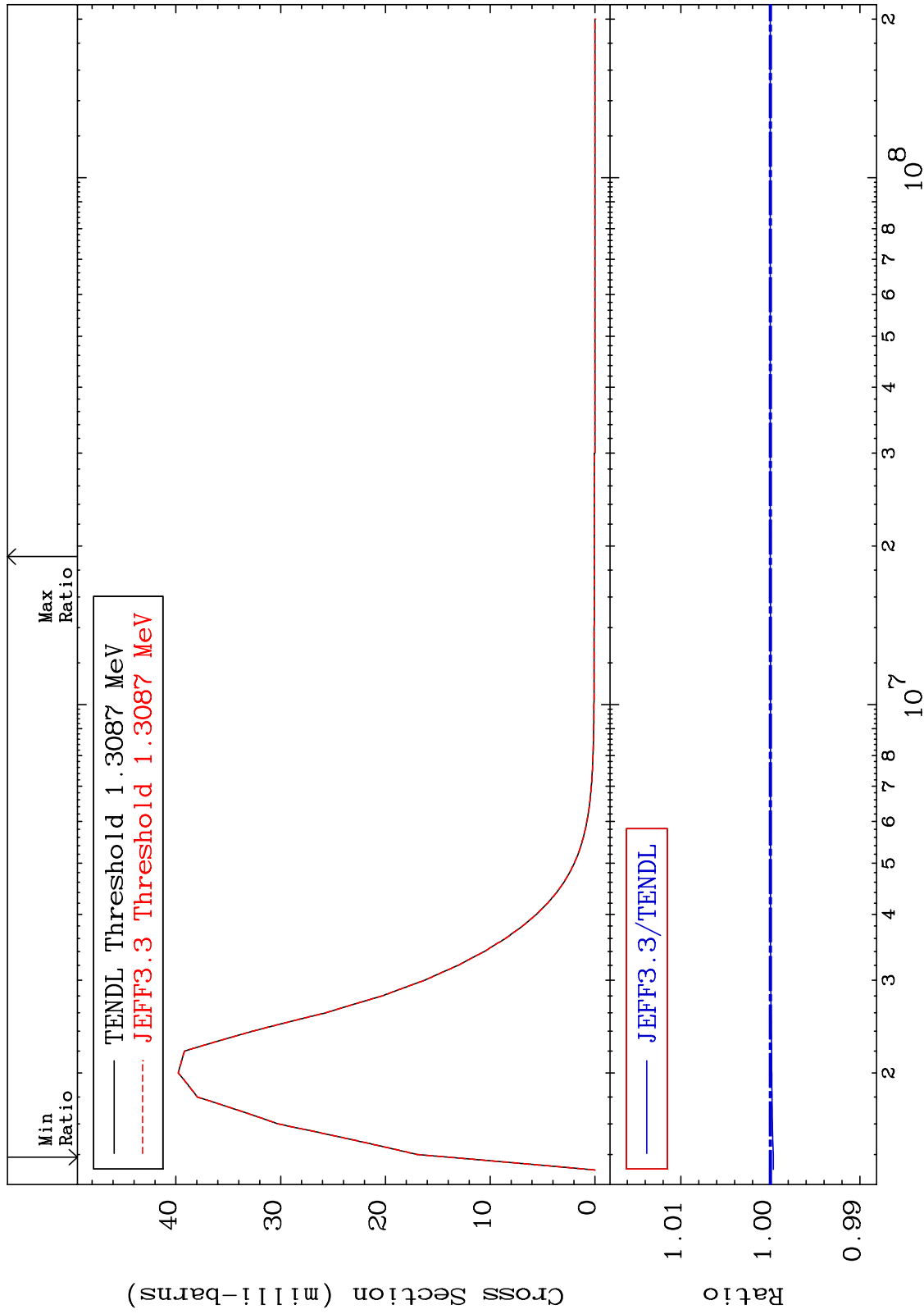
MAT 3725 MT= 60 (n,n') Level Cross Section -0.013 To 0.000 % 37-Rb-85



MAT 3725

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

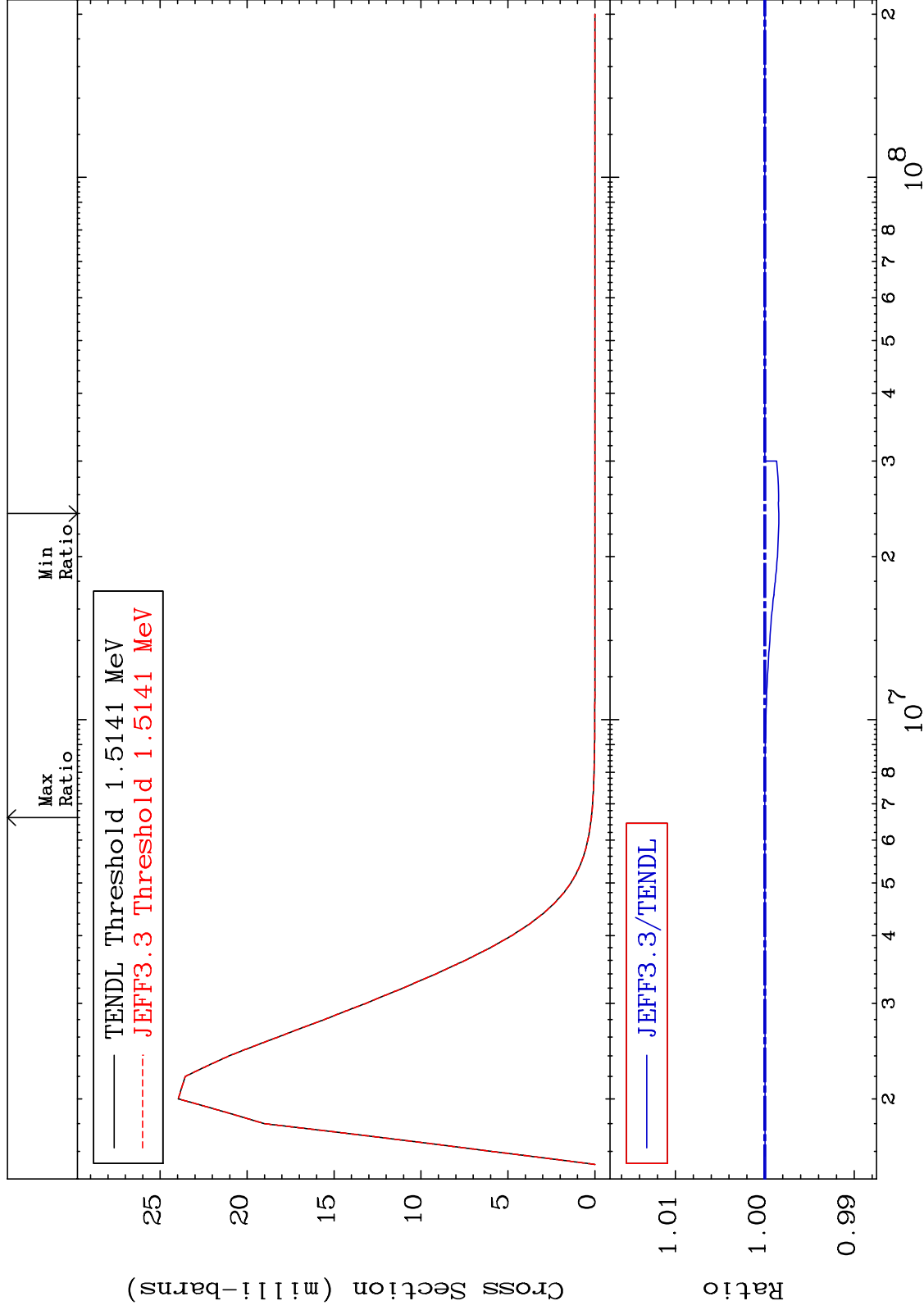
37-Rb-85
-0.033 To 0.000 %



MAT 3725

MT= 67 (n,n') Level
Cross Section

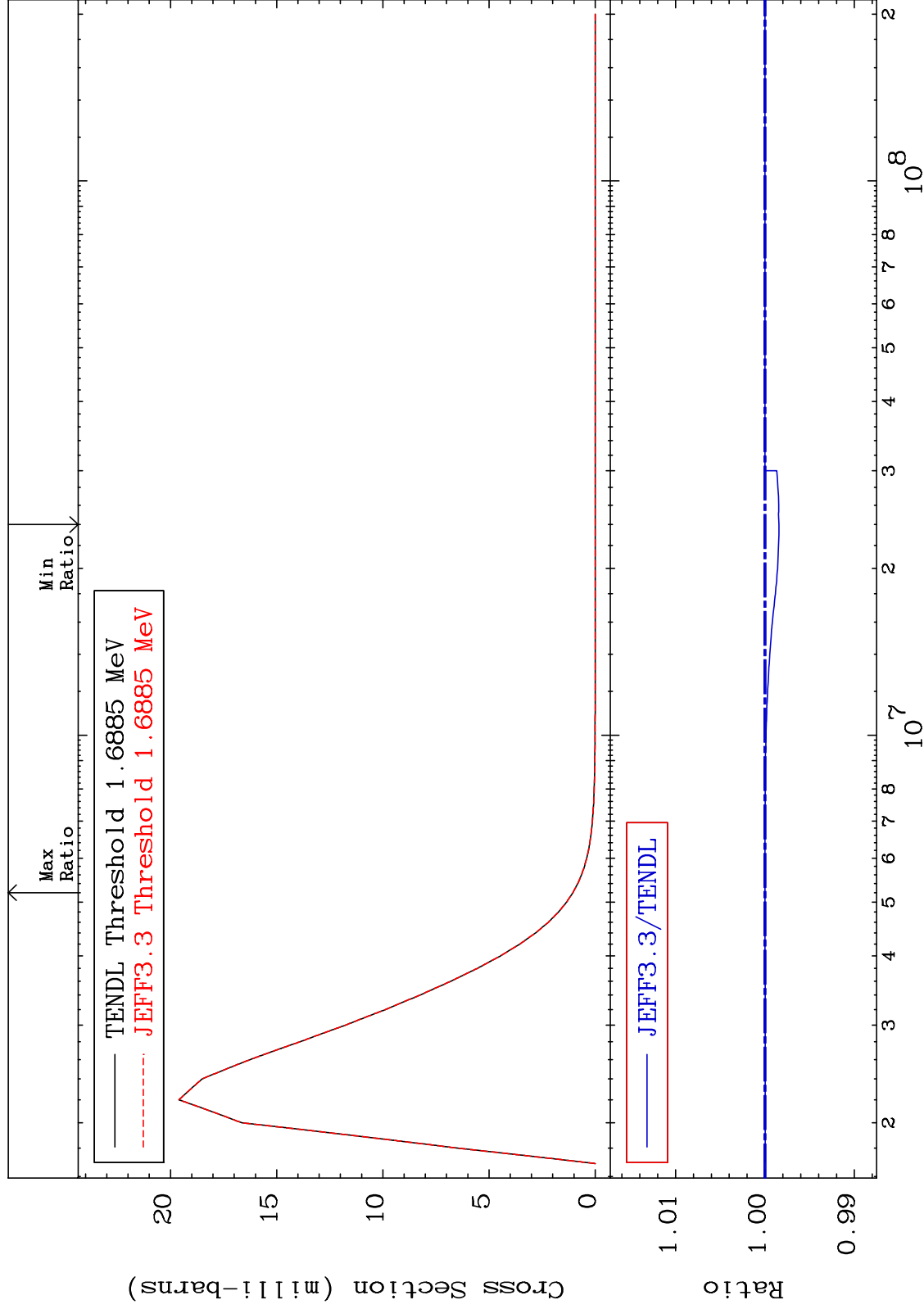
37-Rb-85
-0.157 To 0.000 %



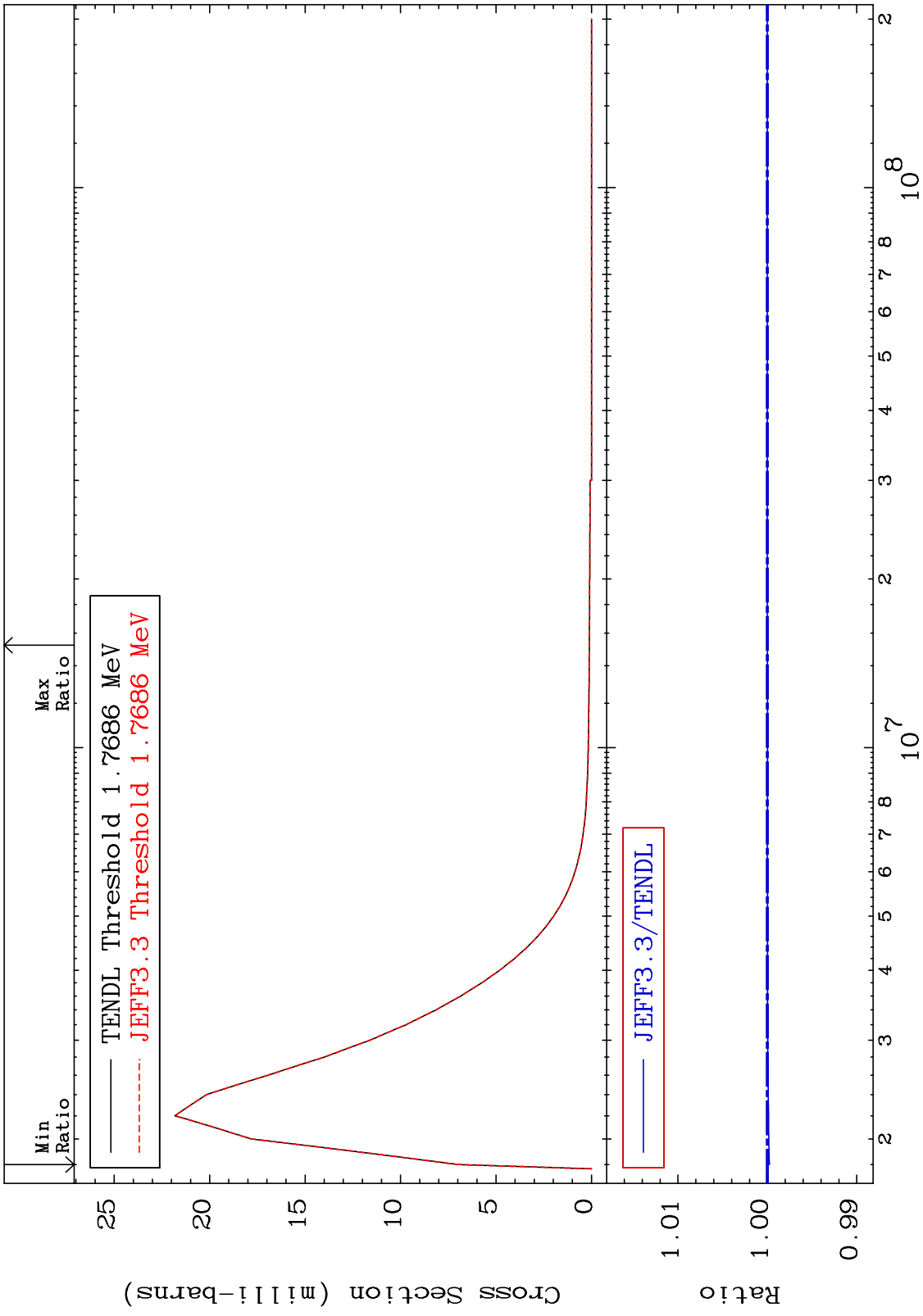
MAT 3725

MT= 69 (n,n') Level
Cross Section

37-Rb-85
-0.157 To 0.000 %



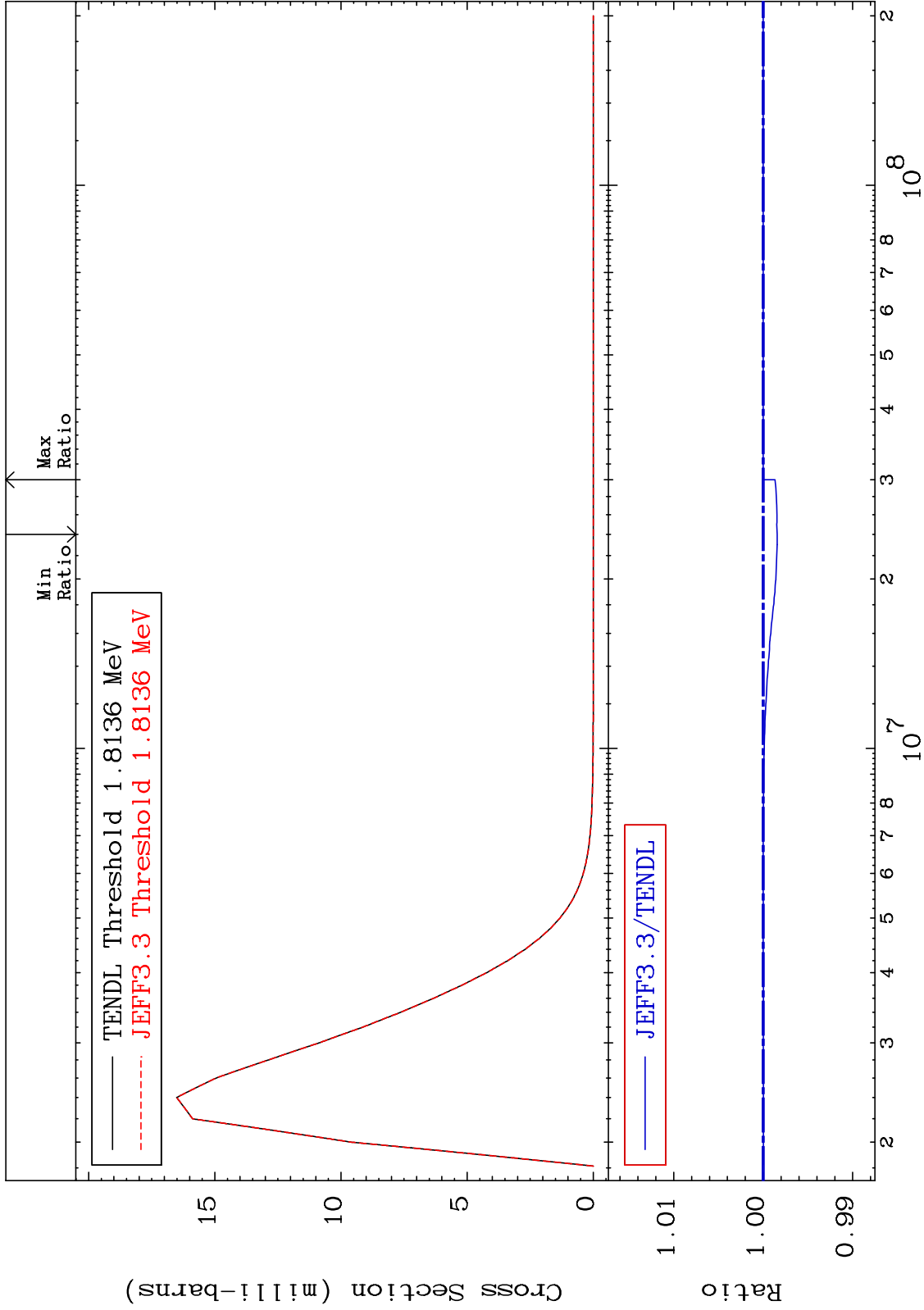
MAT 3725 MT= 70 (n,n') Level Cross Section -0.024 To 0.000 % 37-Rb-85



MAT 3725

MT= 72 (n,n') Level
Cross Section

37-Rb-85
-0.157 To 0.000 %

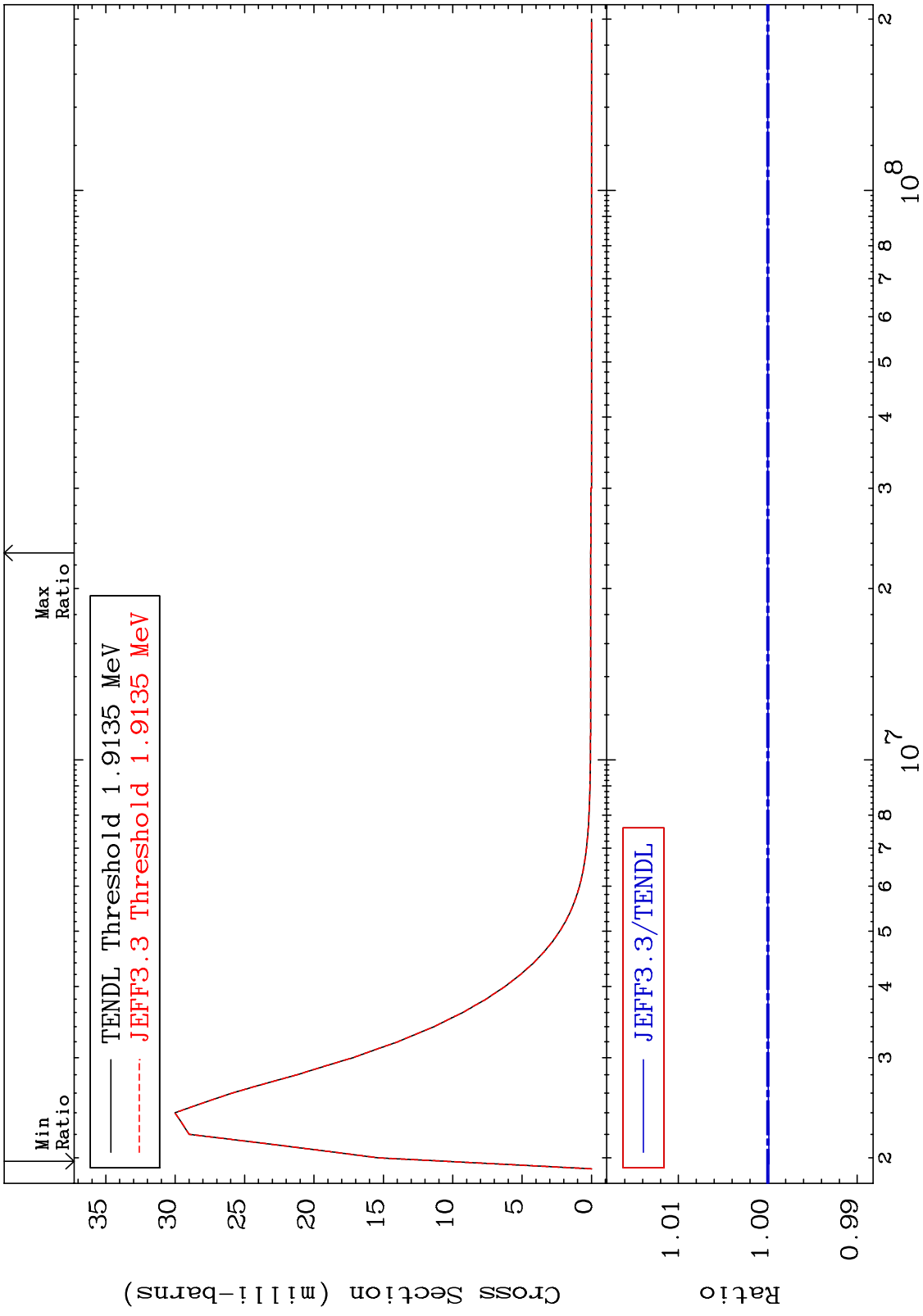


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Incident Energy (eV)

37-Rb-85

MAT 3725 MT= 75 (n,n') Level Cross Section -0.014 To 0.000 % 37-Rb-85

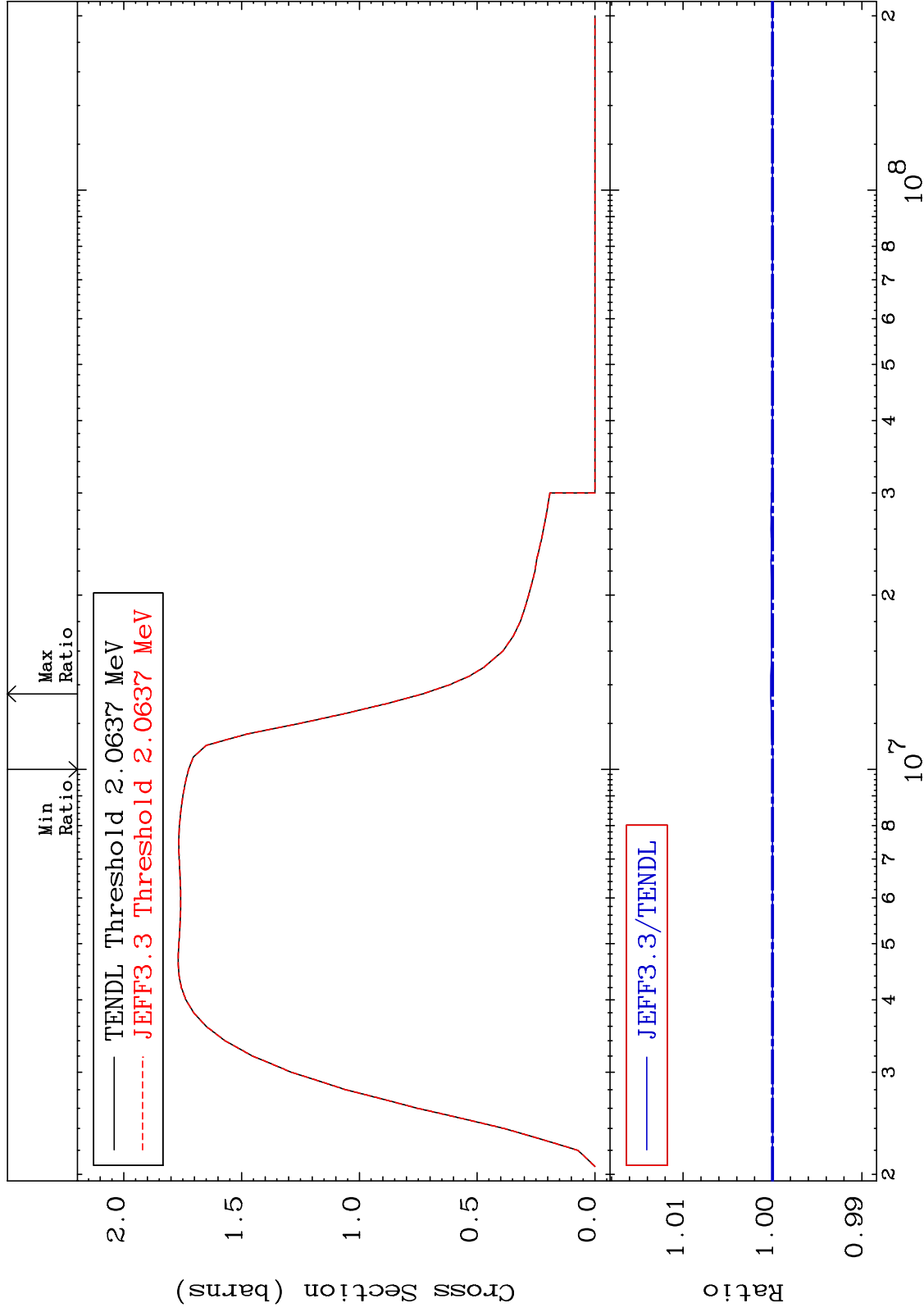


MAT 3725

(n, n') Continuum
Cross Section

37-Rb-85

-0.006 To 0.020 %



32

Incident Energy (eV)

37-Rb-85

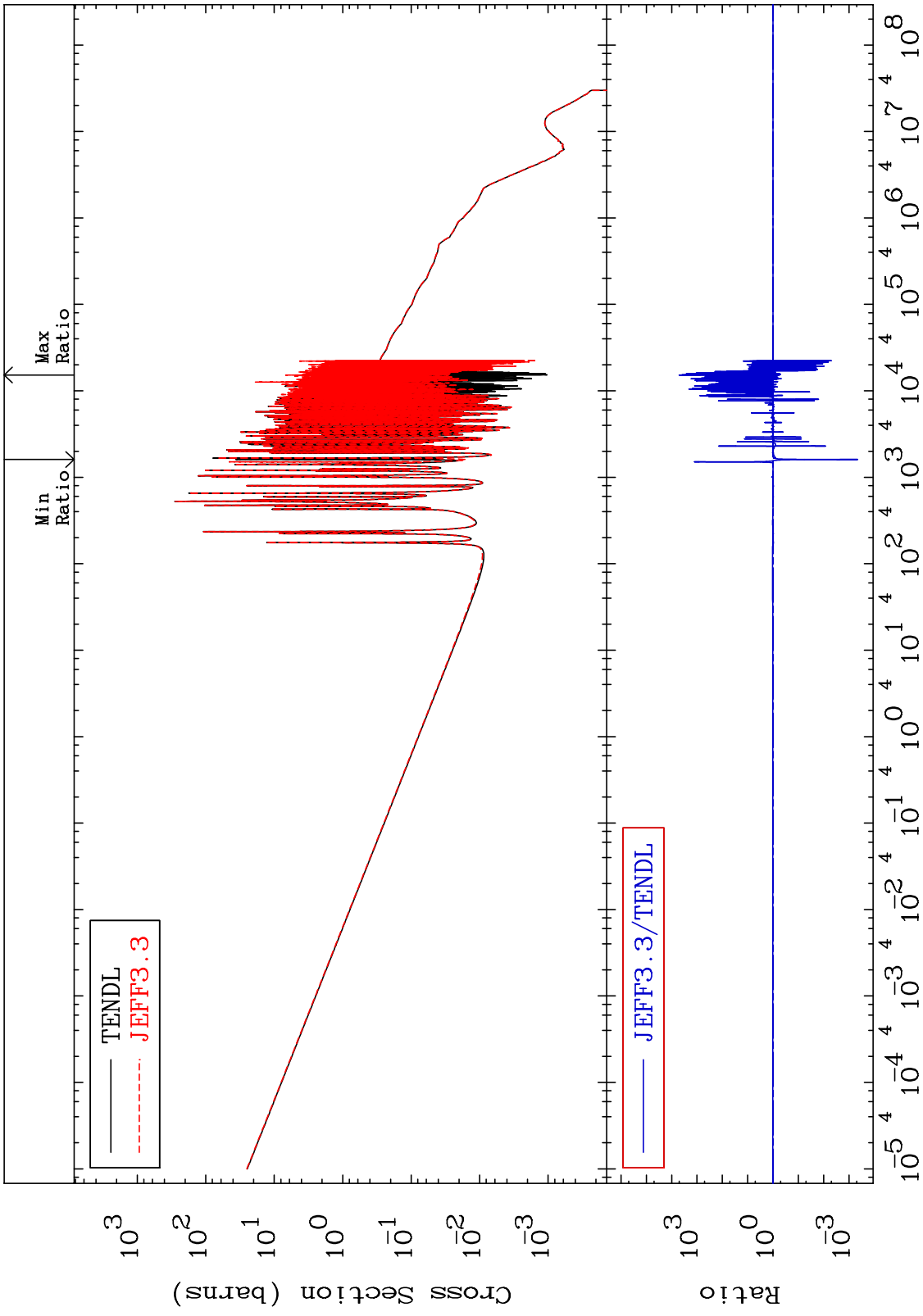
MAT 3725

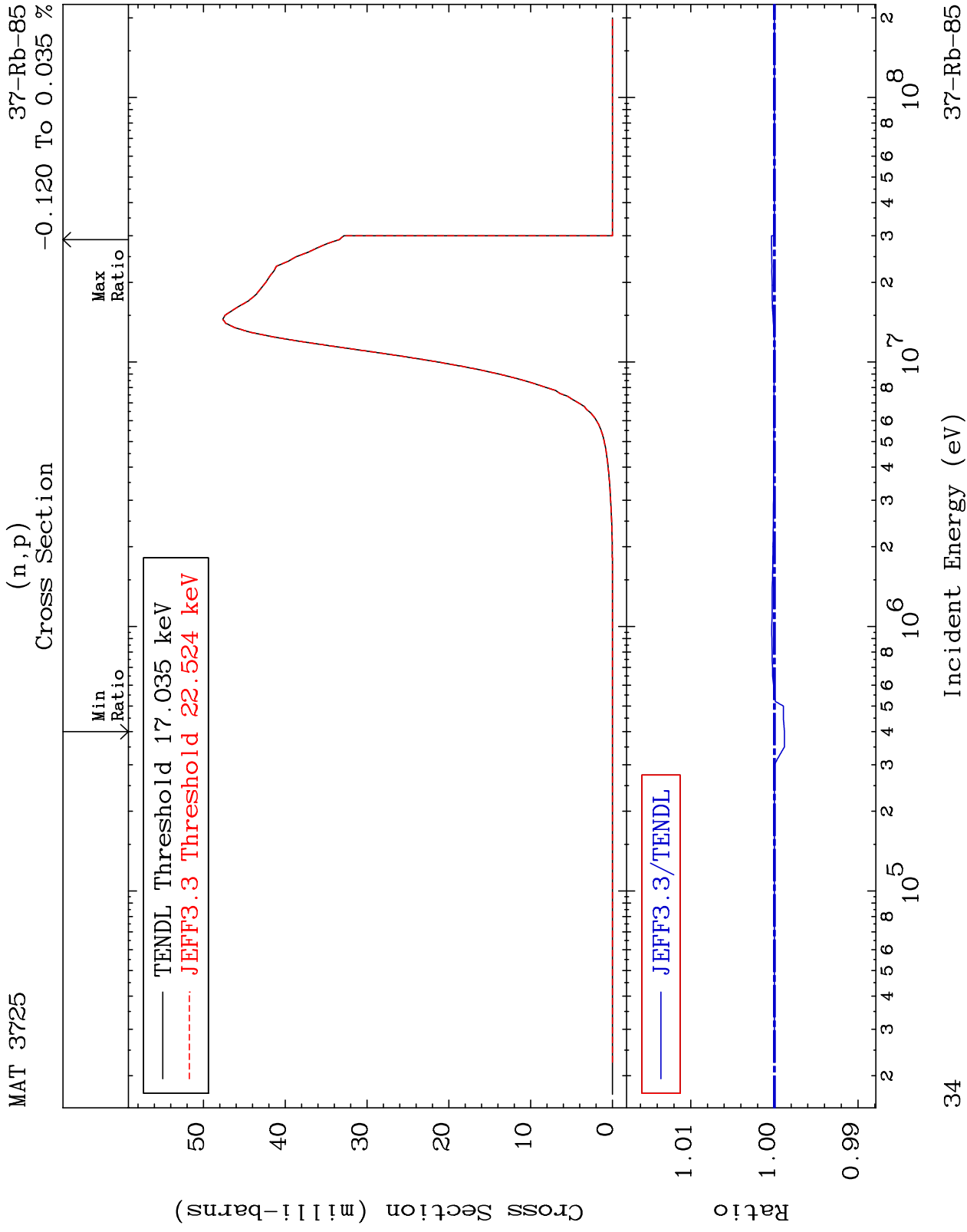
(n, γ)

37-Rb-85

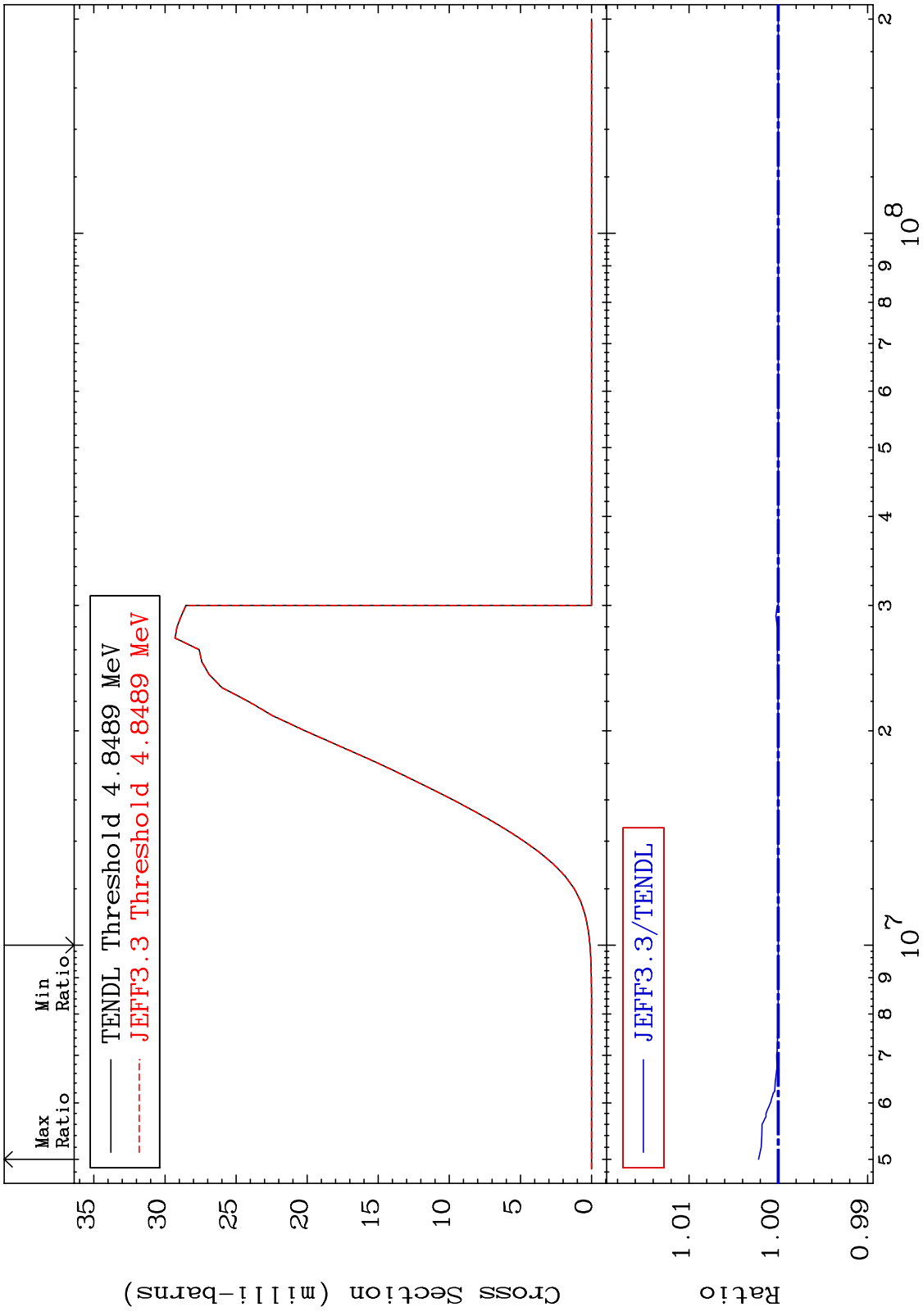
Cross Section

-99.96 To 9999. %





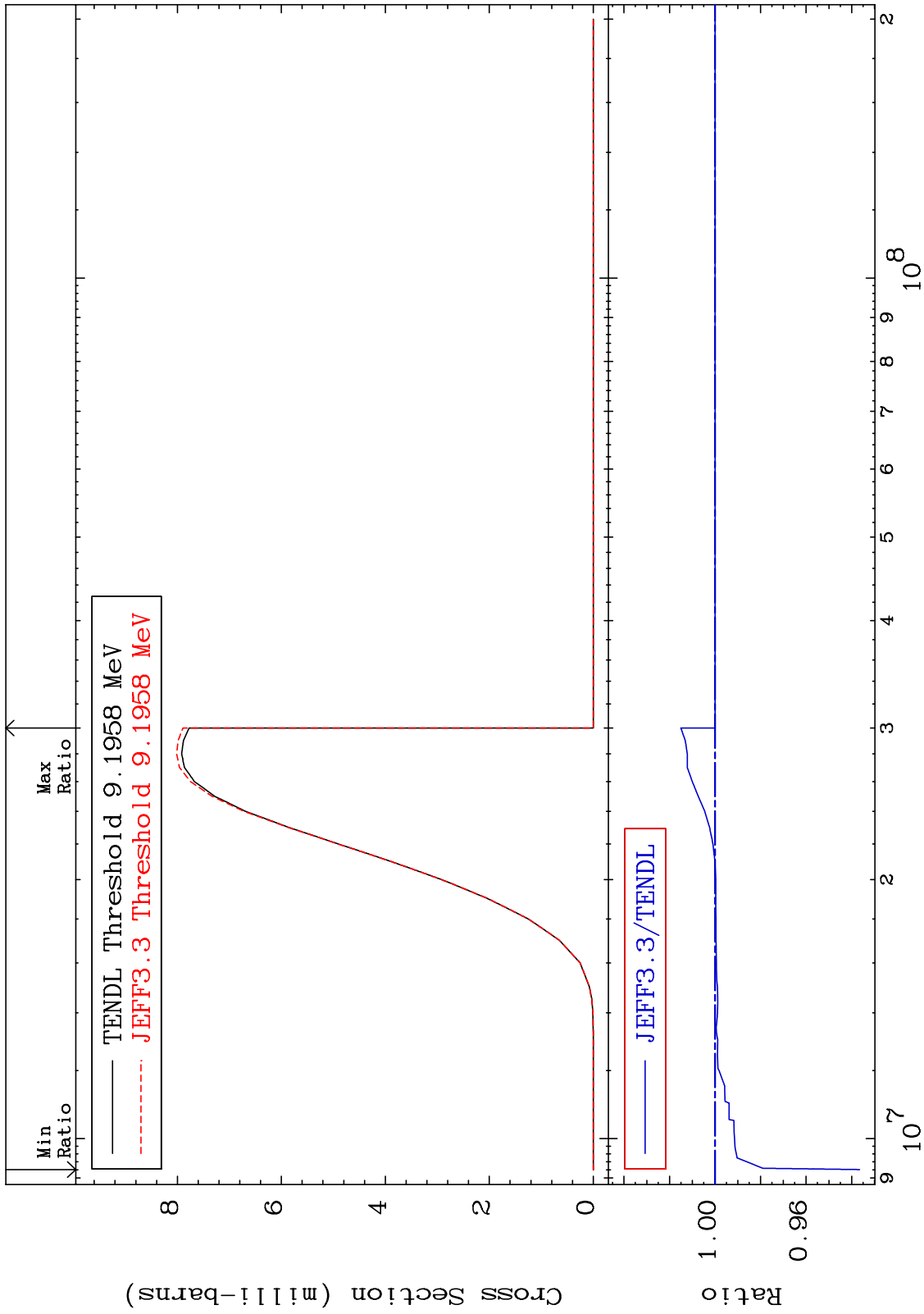
MAT 3725 (n,d) 37-Rb-85
 Cross Section 0.000 To 0.220 %



35 37-Rb-85

MAT 3725

(n,t) Cross Section
37-Rb-85
-6.351 To 1.504 %



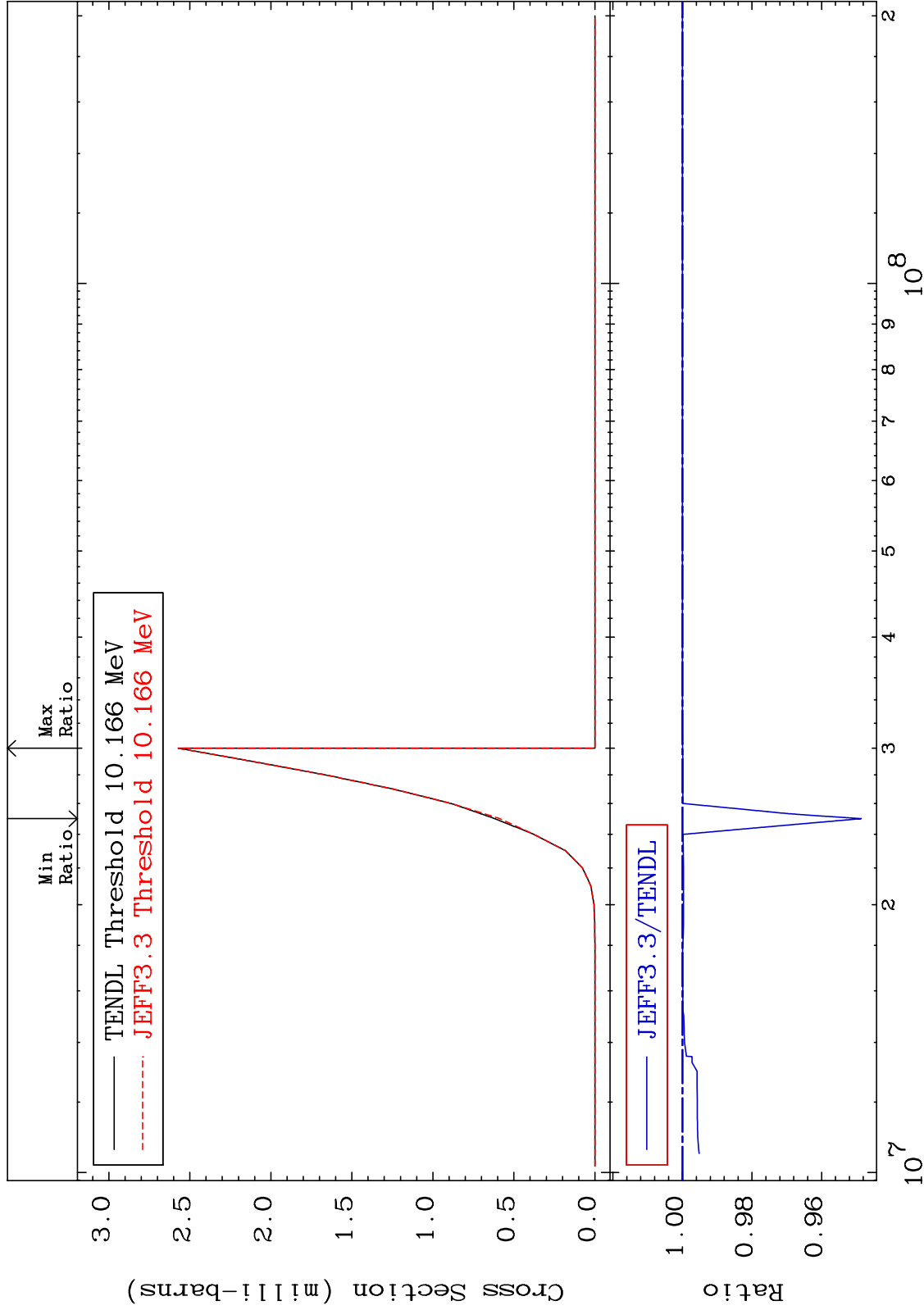
MAT 3725

(n, He-3)

37-Rb-85

Cross Section

-5.142 To 0.000 %



37-Rb-85

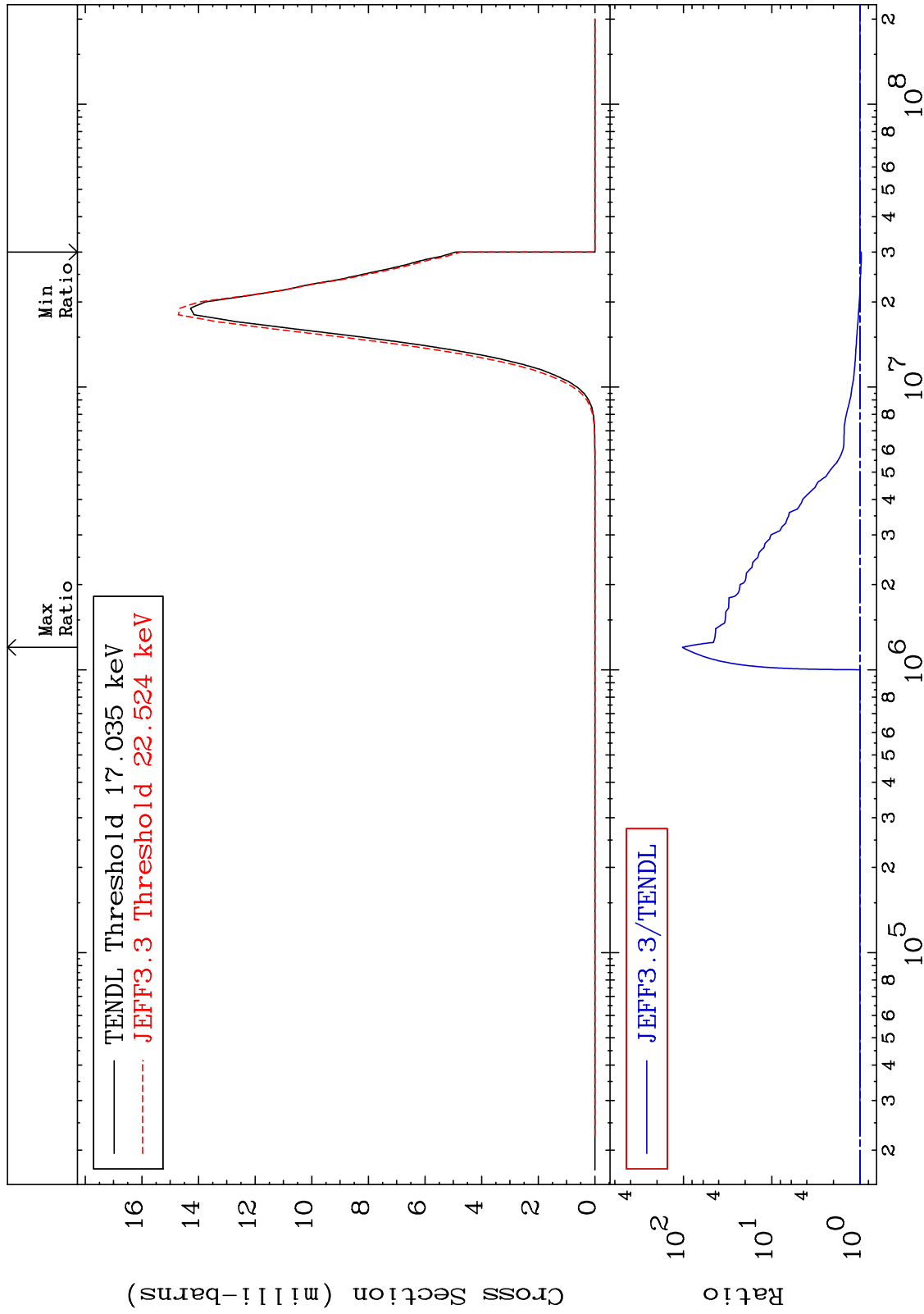
MAT 3725

(n, α)

37-Rb-85

Cross Section

-3.474 To 9999. %



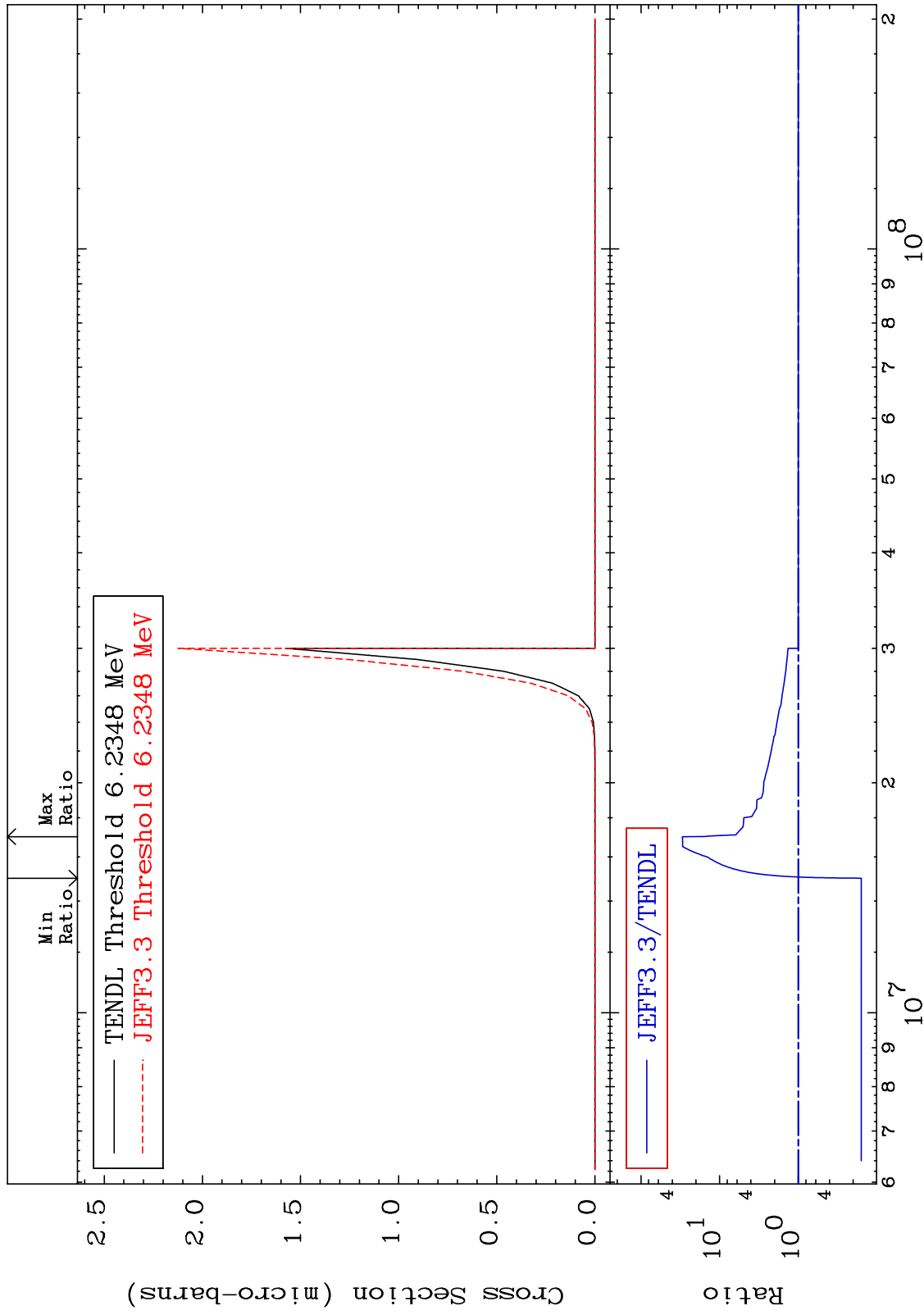
MAT 3725

(n,2α)

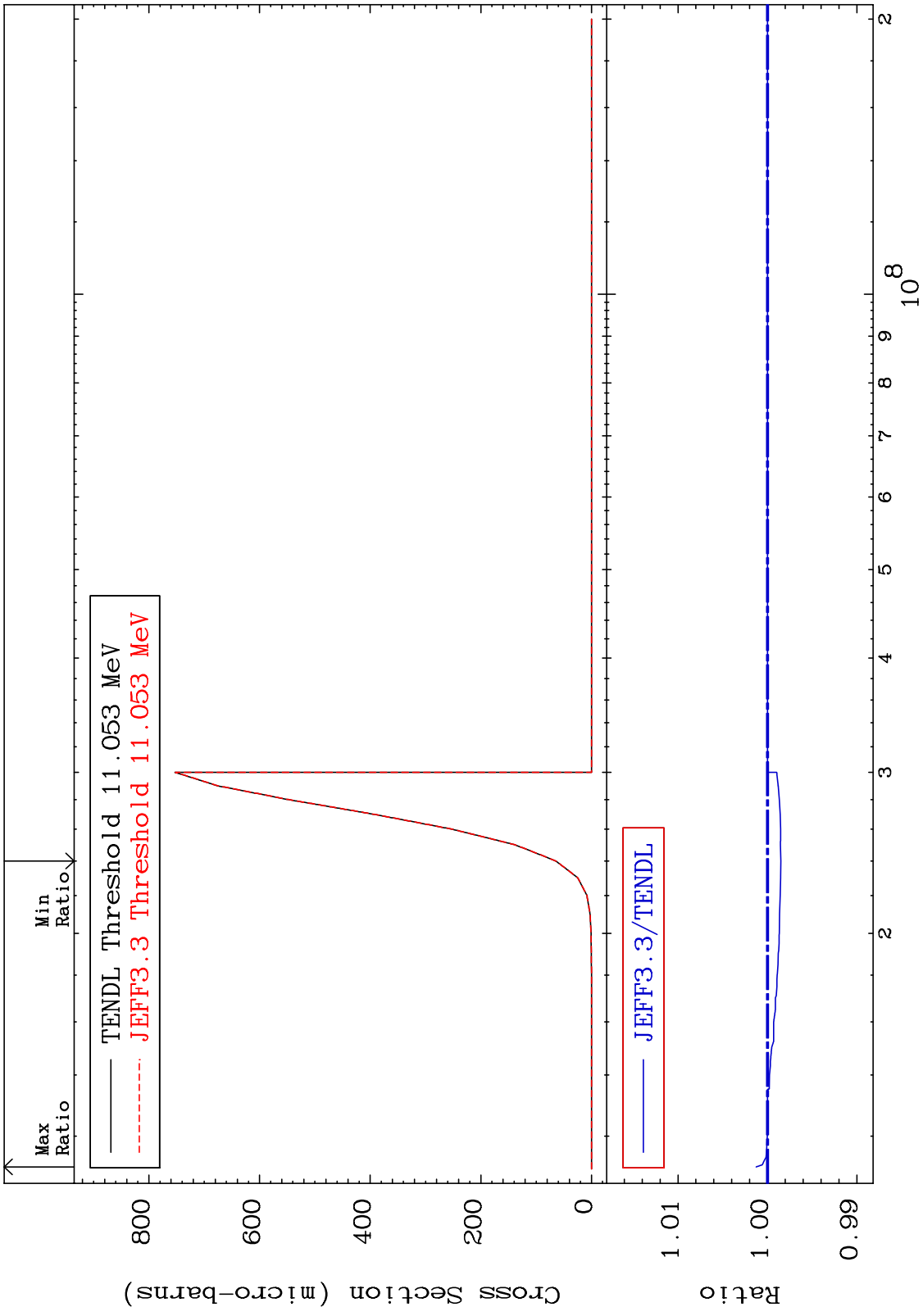
37-Rb-85

Cross Section

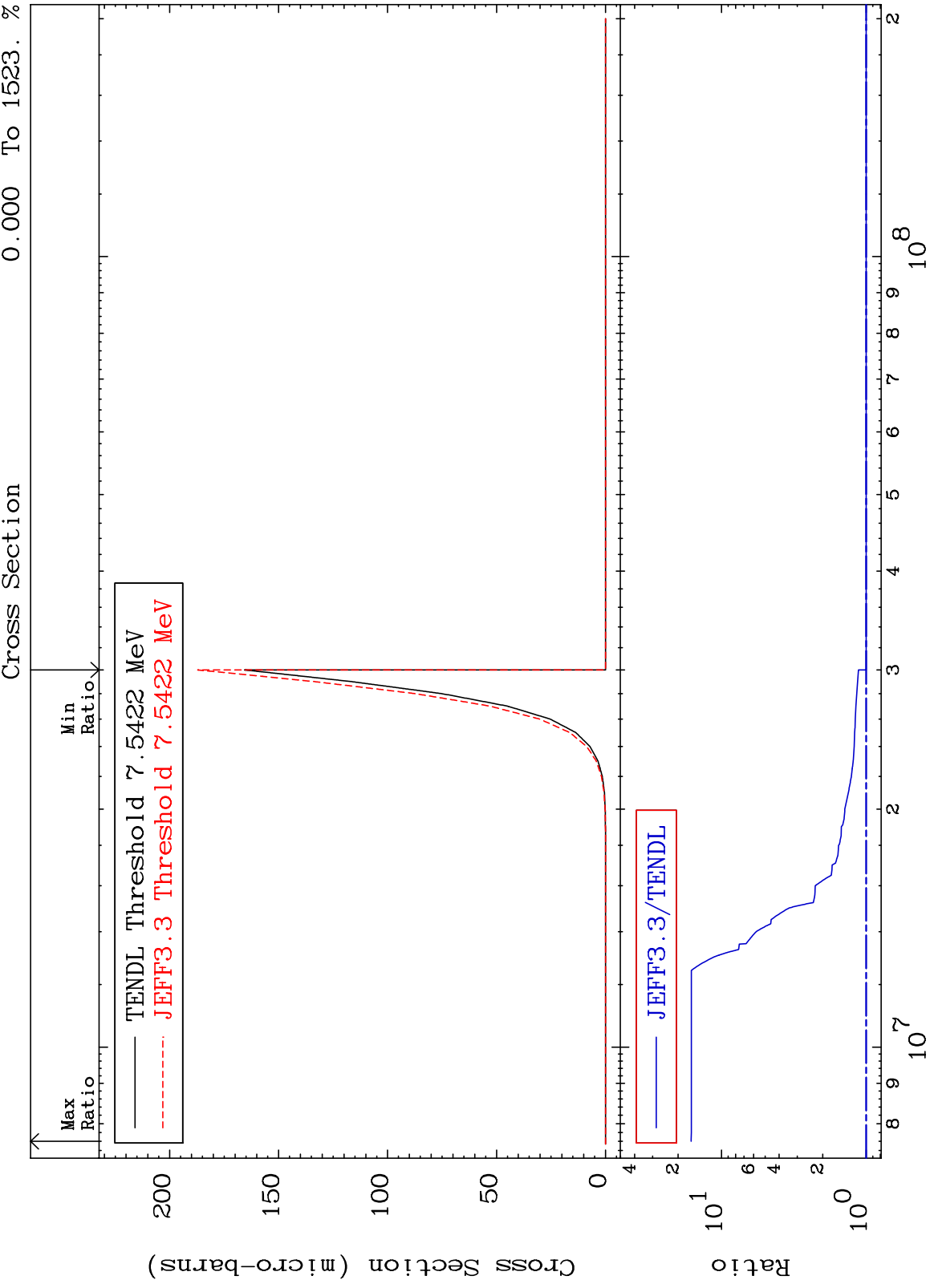
-84.23 To 2868. %



MAT 3725 (n,2p) Cross Section 37-Rb-85
-0.150 To 0.127 %

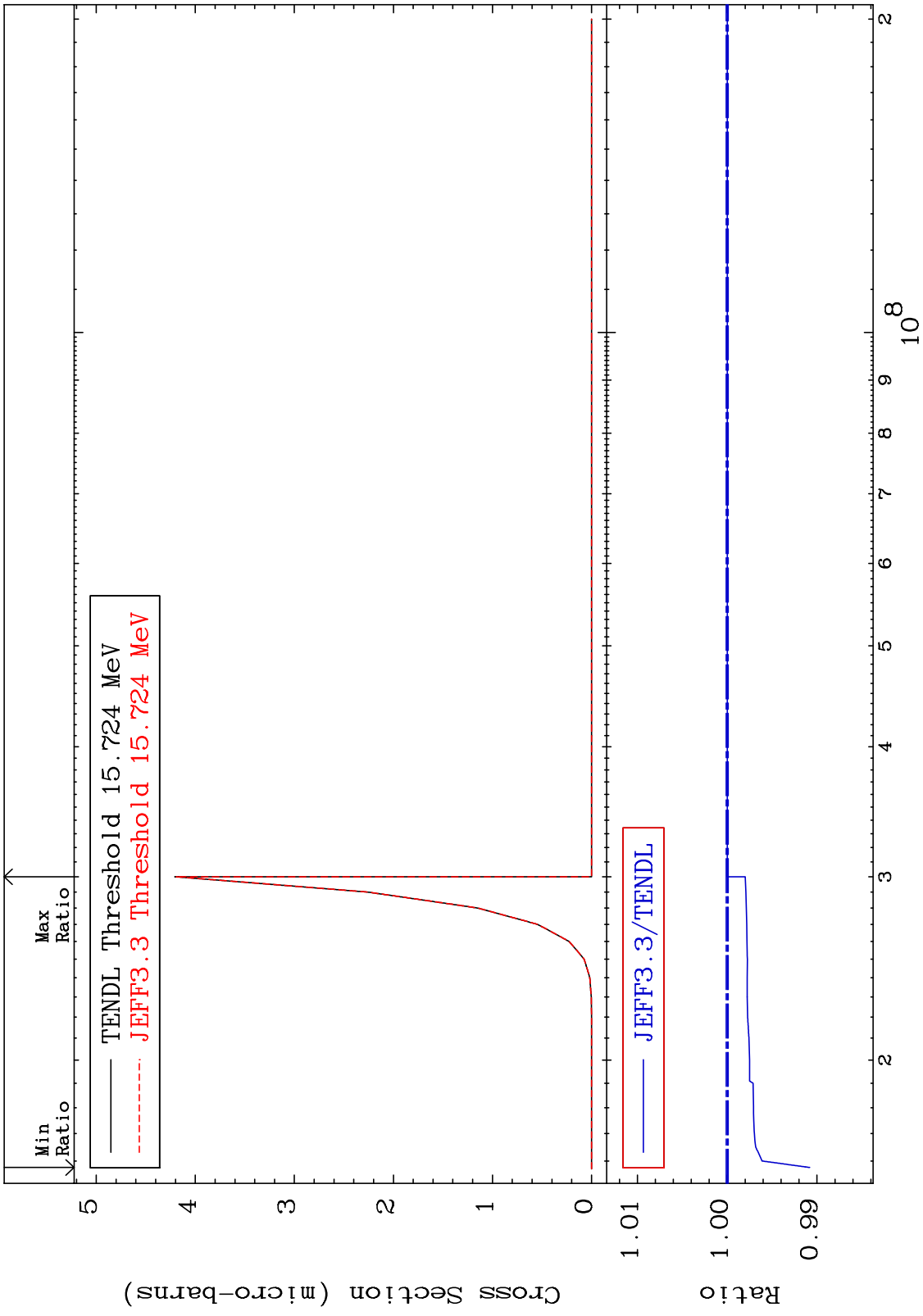


MAT 3725 $(n,p) \alpha$ 37-Rb-85 To 1523. %

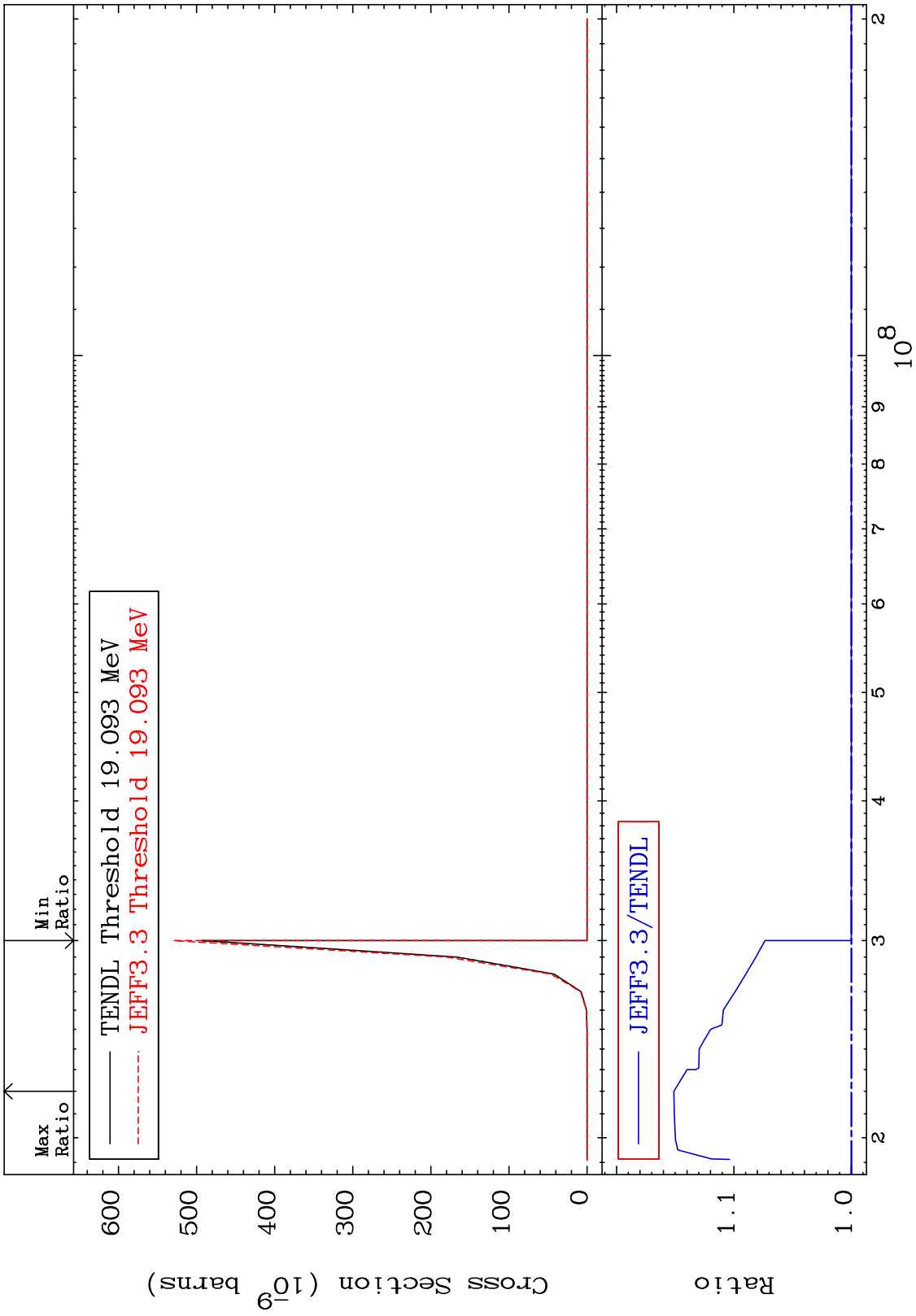


41 37-Rb-85 Incident Energy (eV)

MAT 3725 (n,p) d 37-Rb-85
 Cross Section -0.919 To 0.000 %

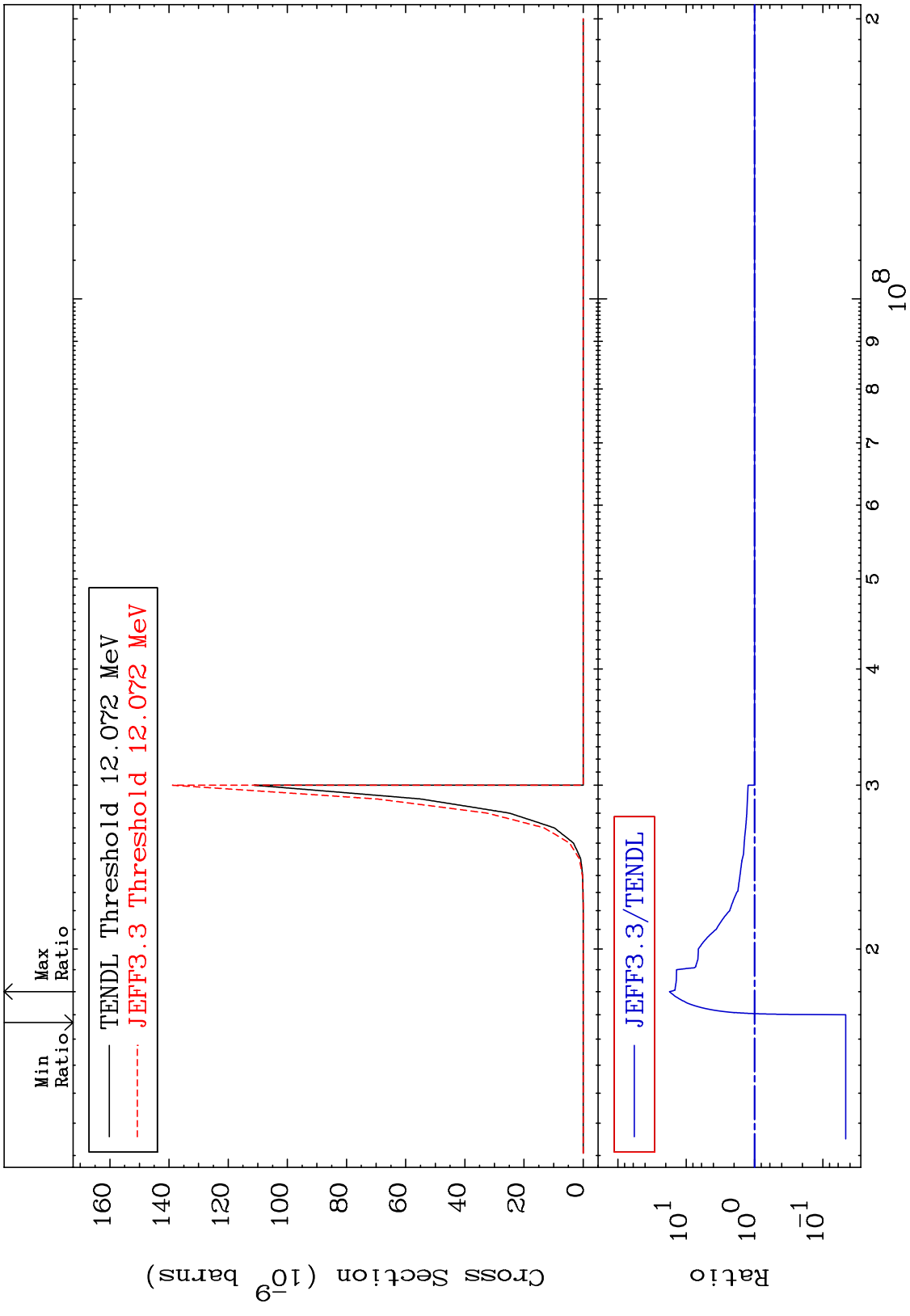


MAT 3725 (n,p) t 37-Rb-85
 Cross Section 0.000 To 15.11 %



37-Rb-85

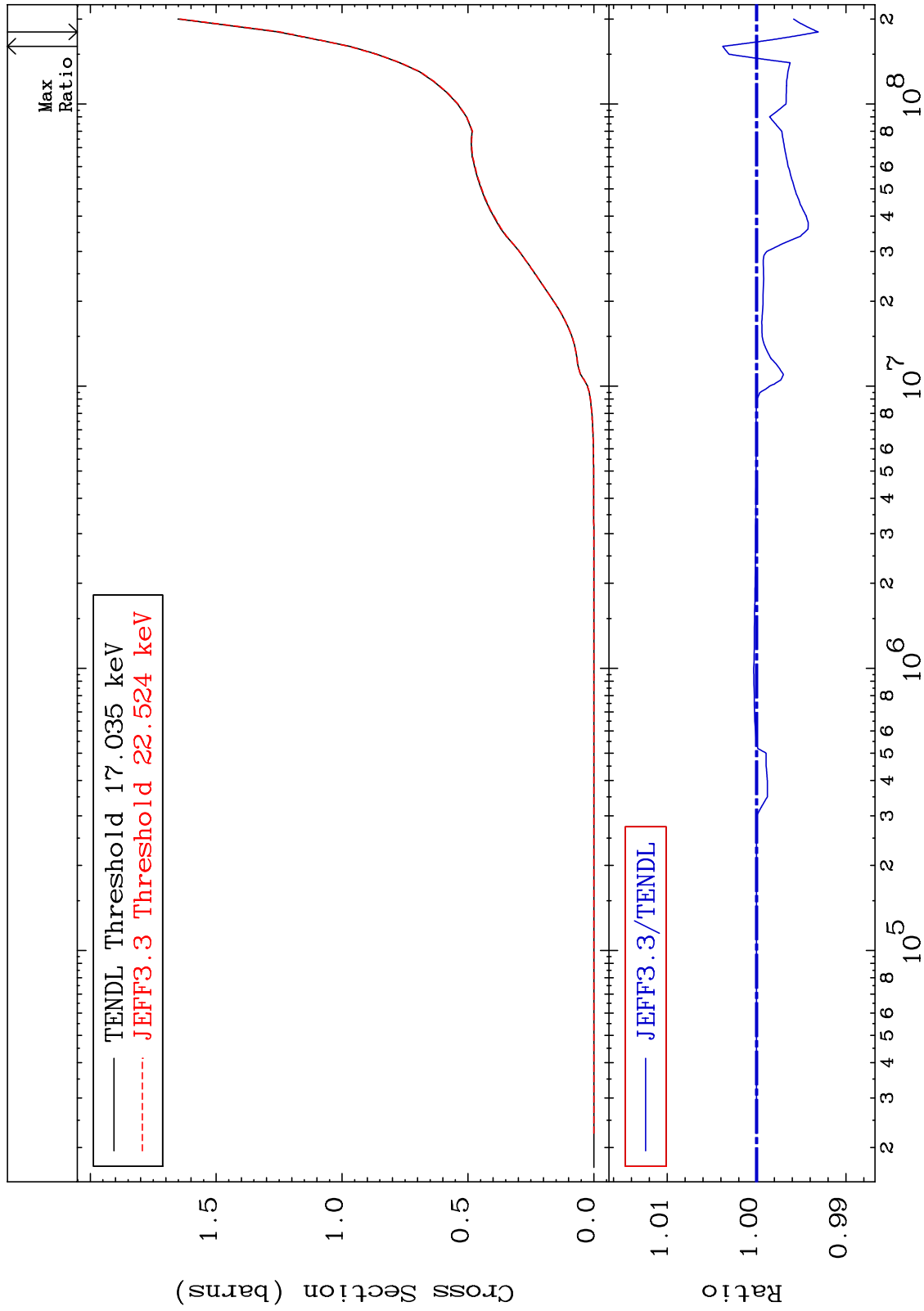
Incident Energy (eV)



MAT 3725

Hydrogen Production
Cross Section

37-Rb-85
-0.690 To 0.379 %



45

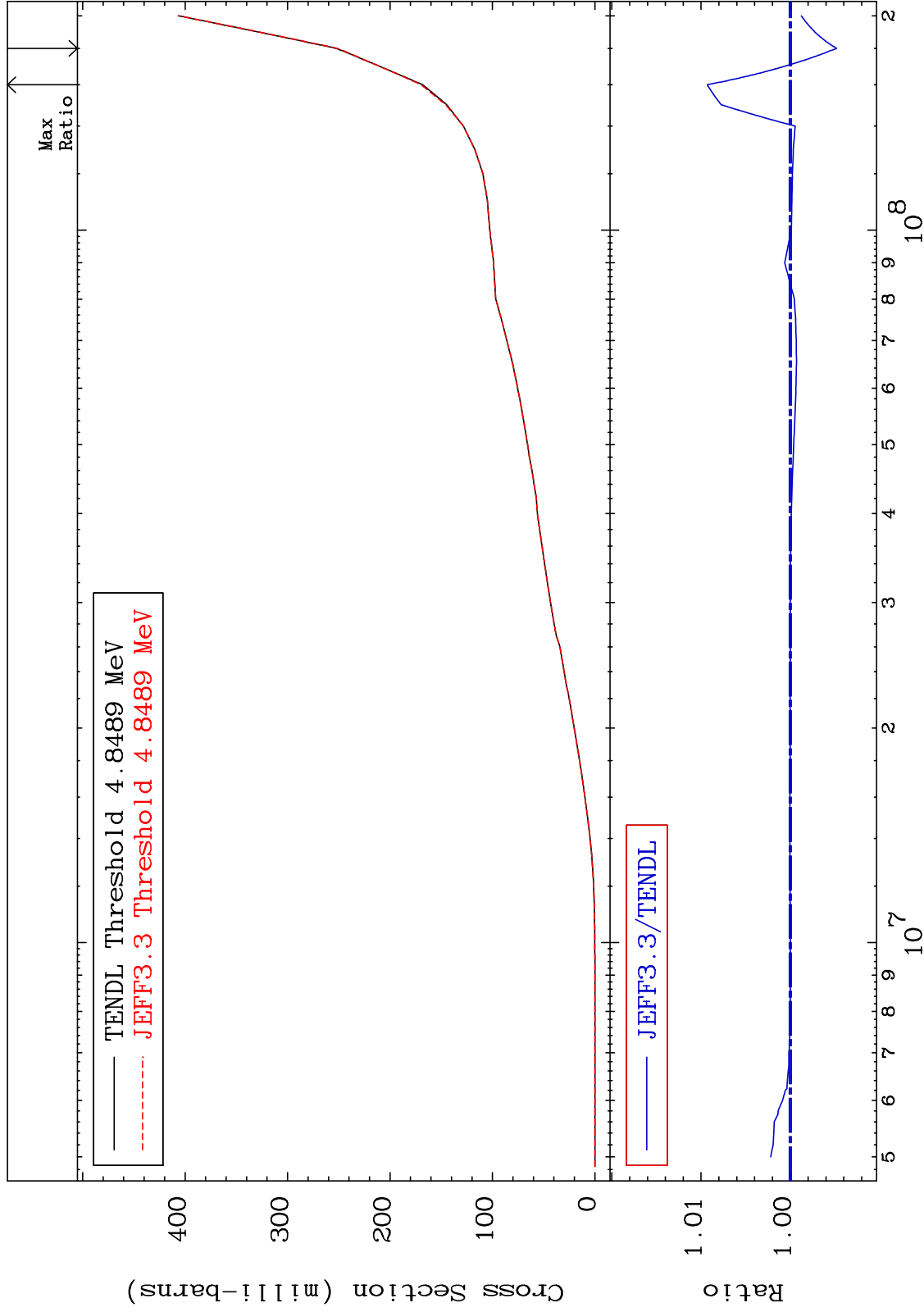
Incident Energy (eV)

37-Rb-85

MAT 3725

Deuterium Production
Cross Section

37-Rb-85
-0.518 To 0.931 %

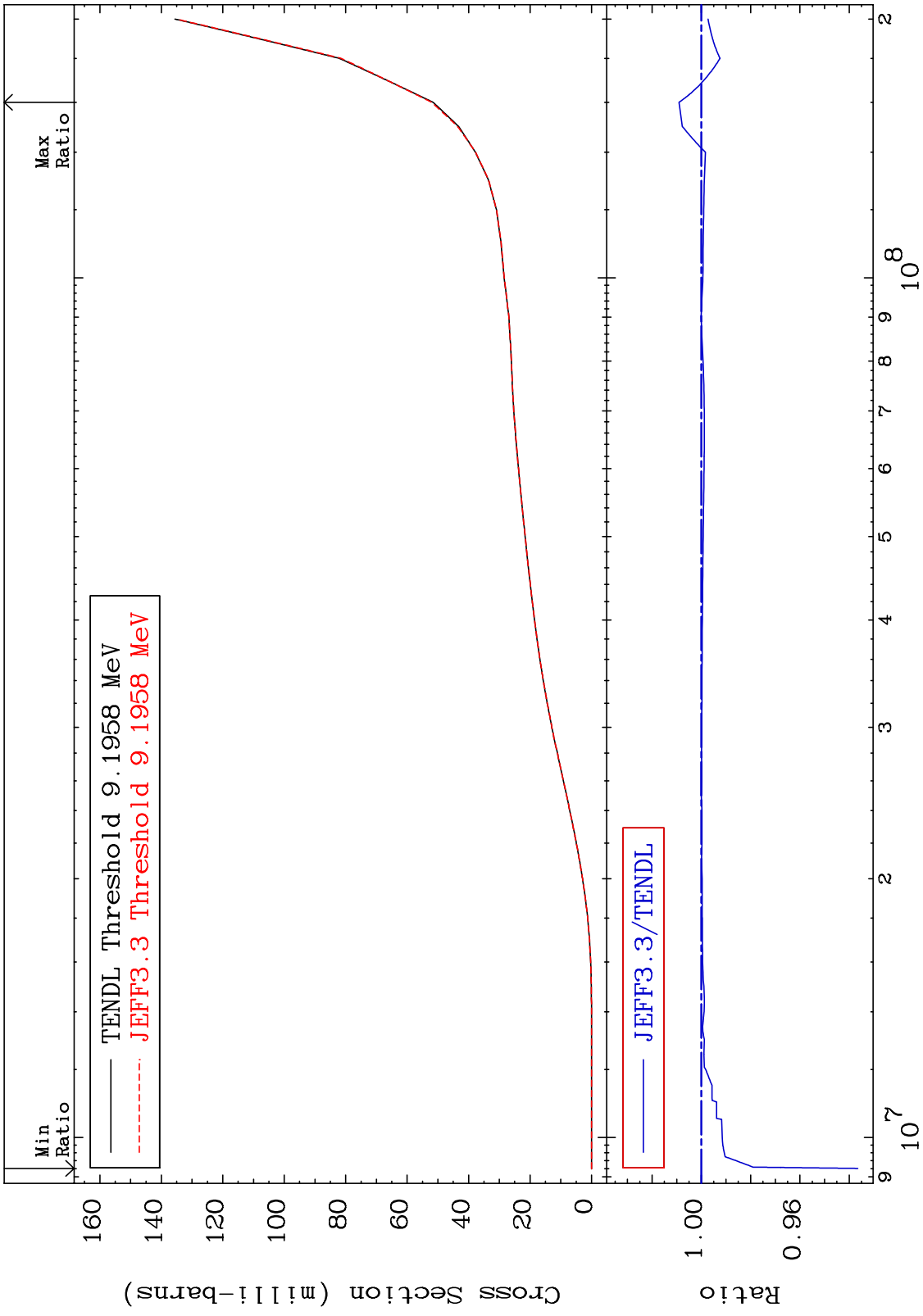


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Incident Energy (eV)

37-Rb-85

MAT 3725 Tritium Production Cross Section 37-Rb-85
 -6.351 To 0.905 %

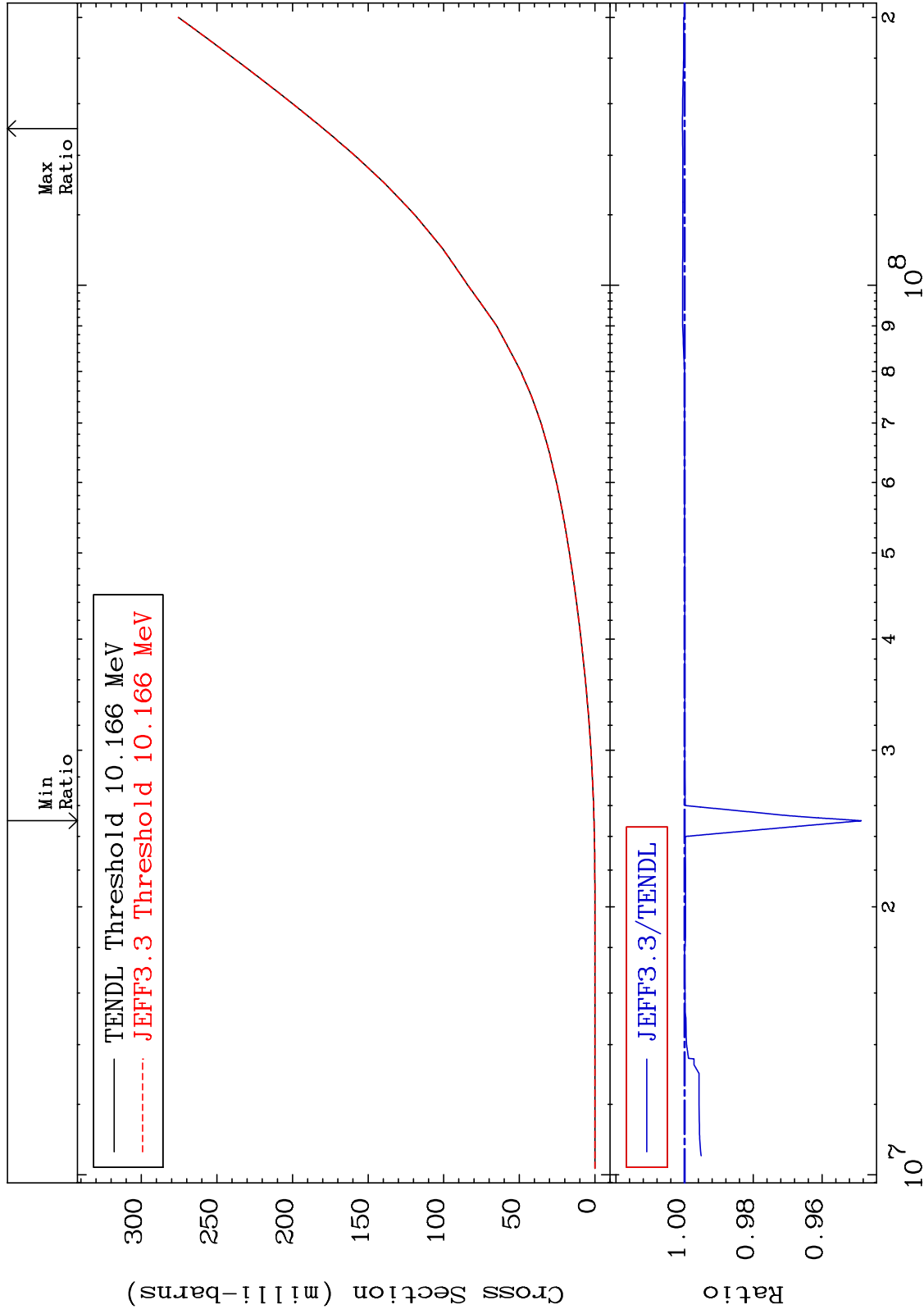


47 37-Rb-85

MAT 3725

He-3 Production
Cross Section

37-Rb-85
-5.142 To 0.061 %

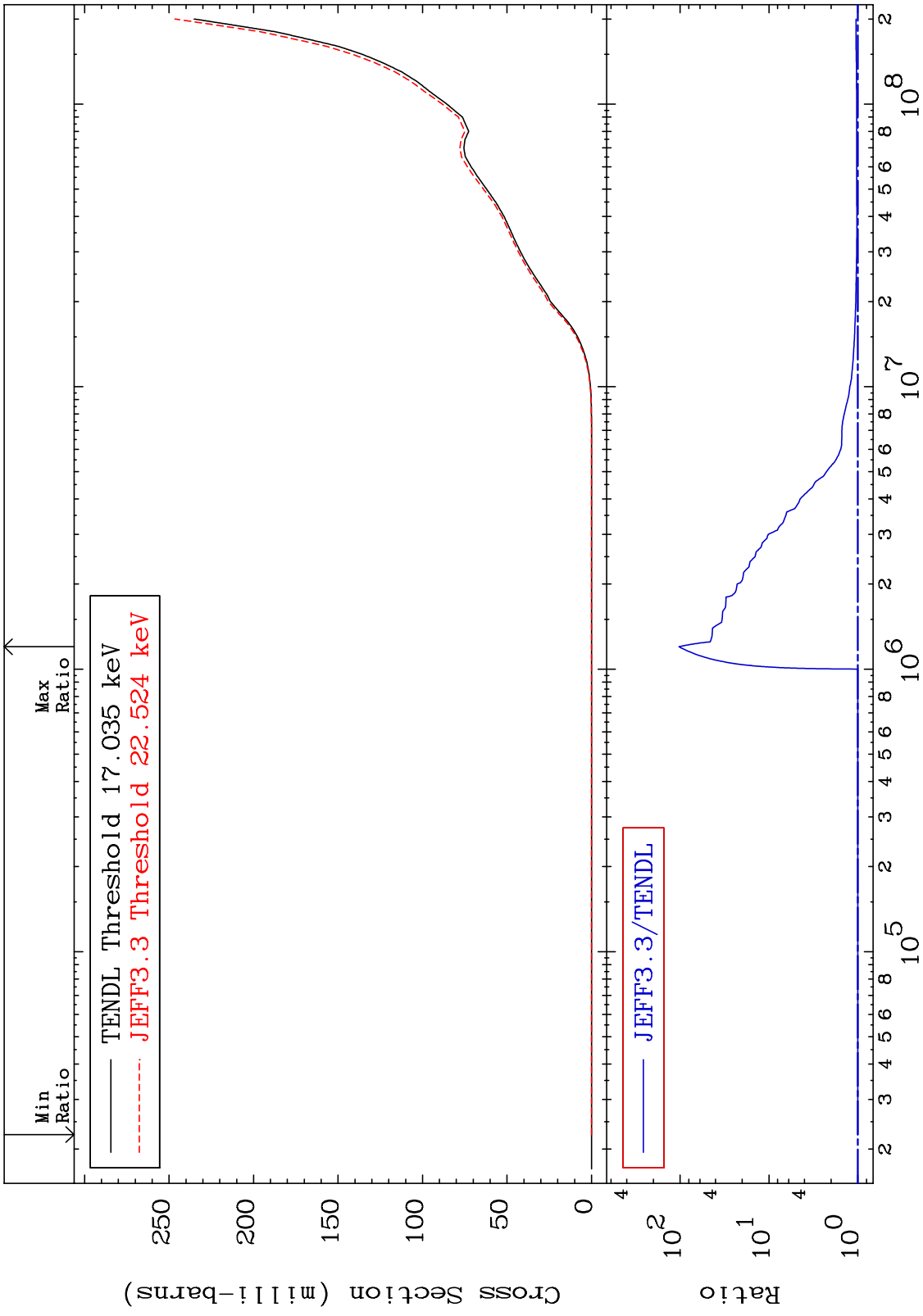


48

Incident Energy (eV)

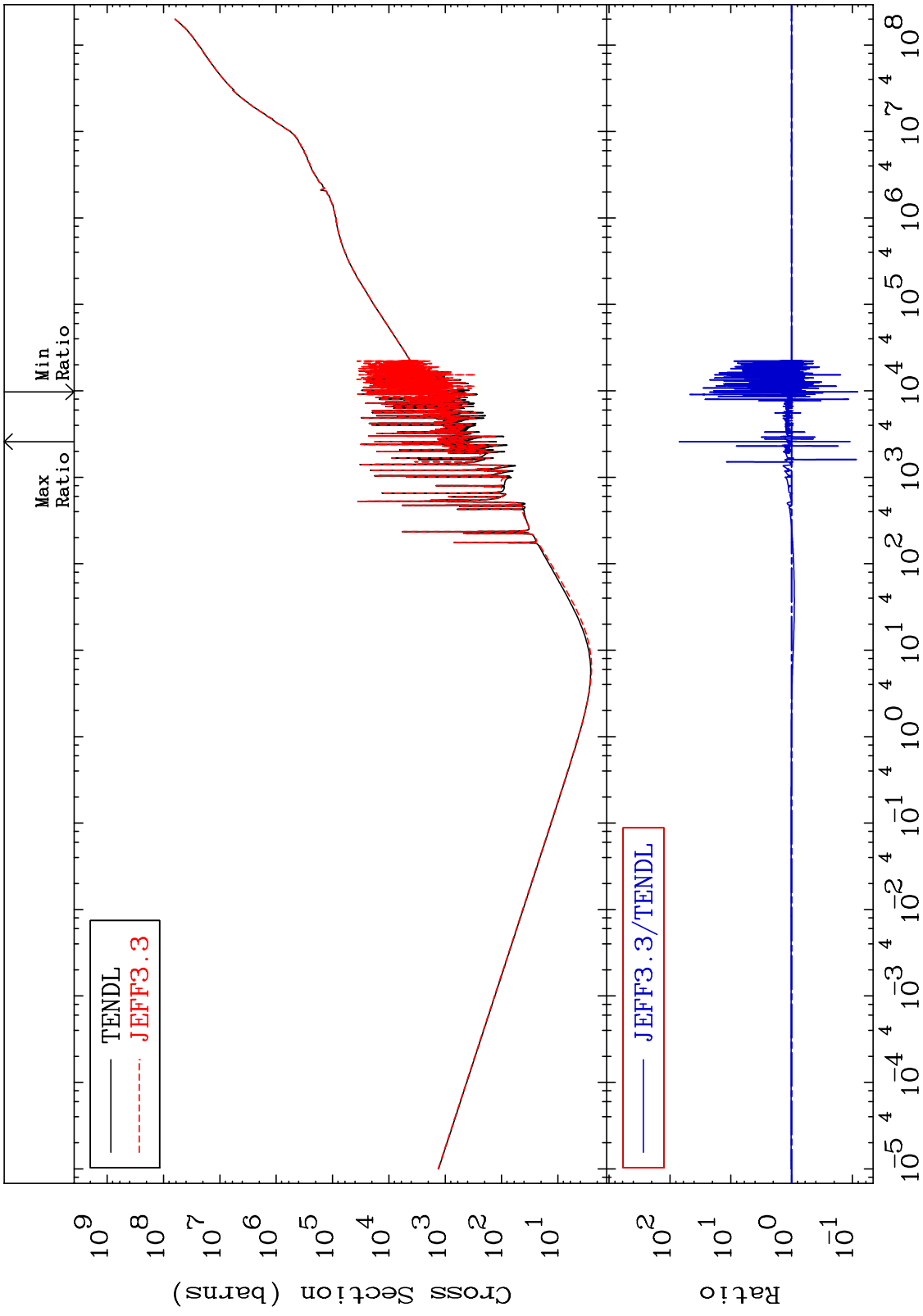
37-Rb-85

MAT 3725 He-4 Production Cross Section 37-Rb-85 To 9999. %



49 37-Rb-85 Incident Energy (eV)

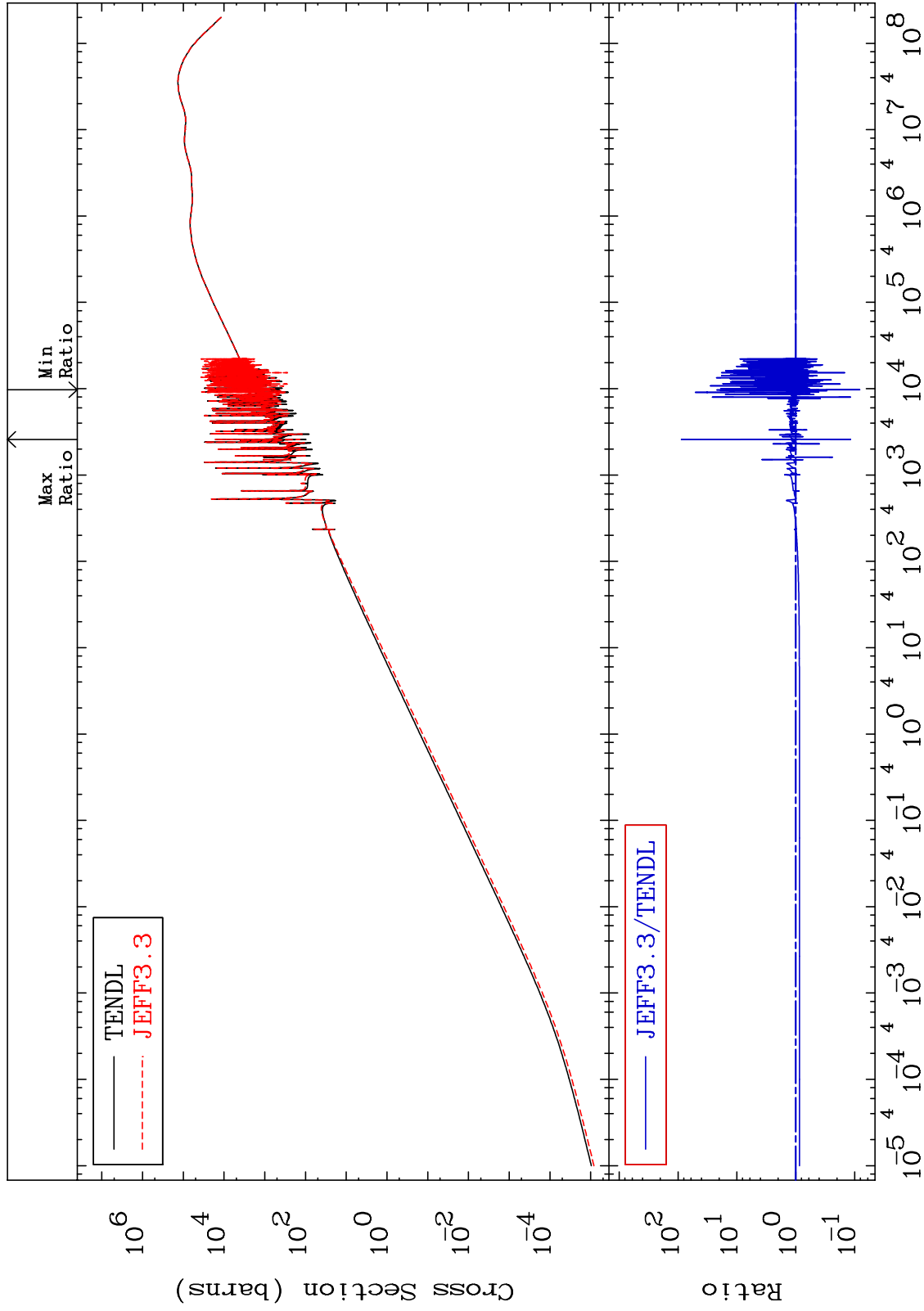
MAT 3725 Kerma total (eV-barns) 37-Rb-85
 Cross Section -91.85 To 6986. %



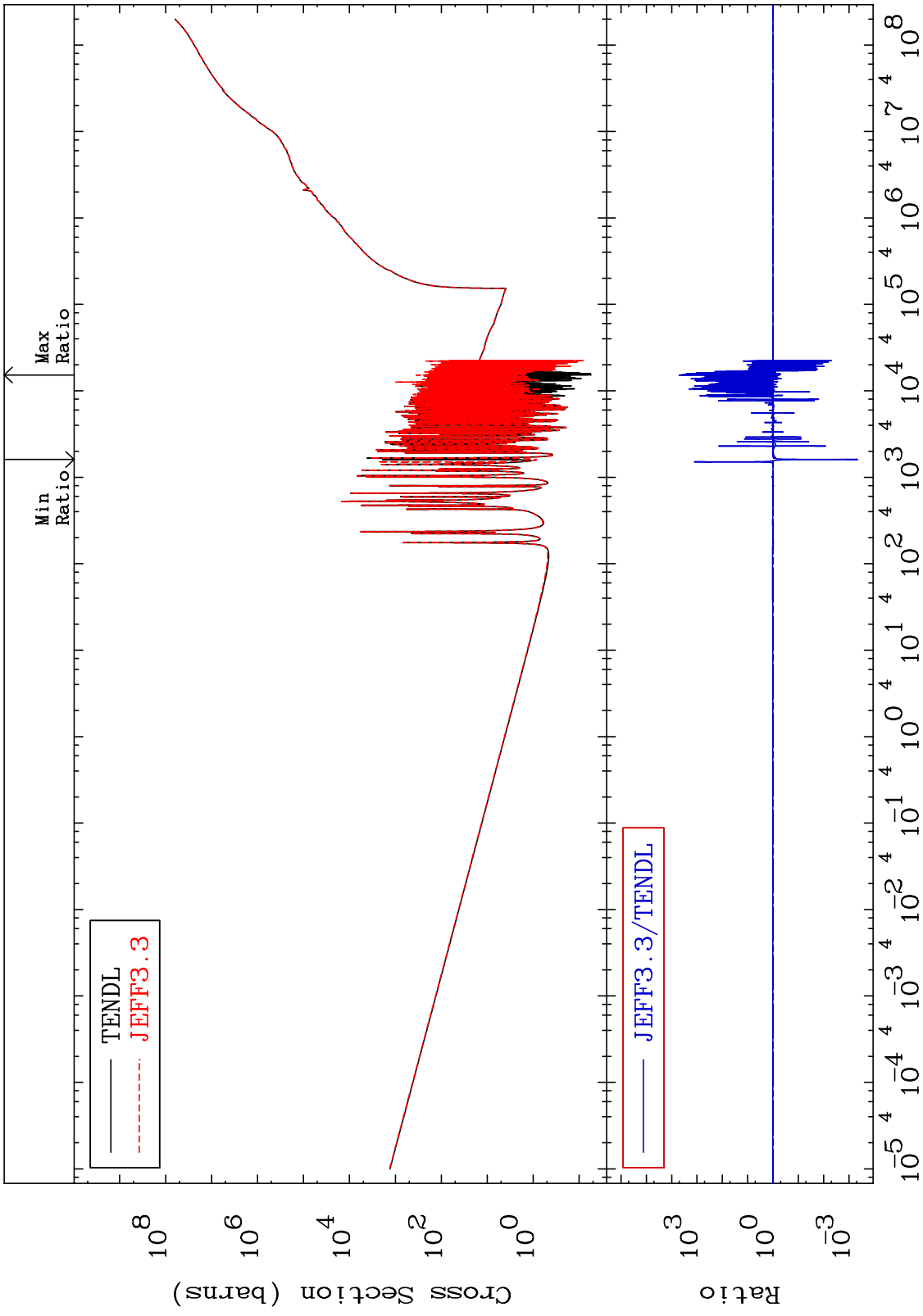
MAT 3725

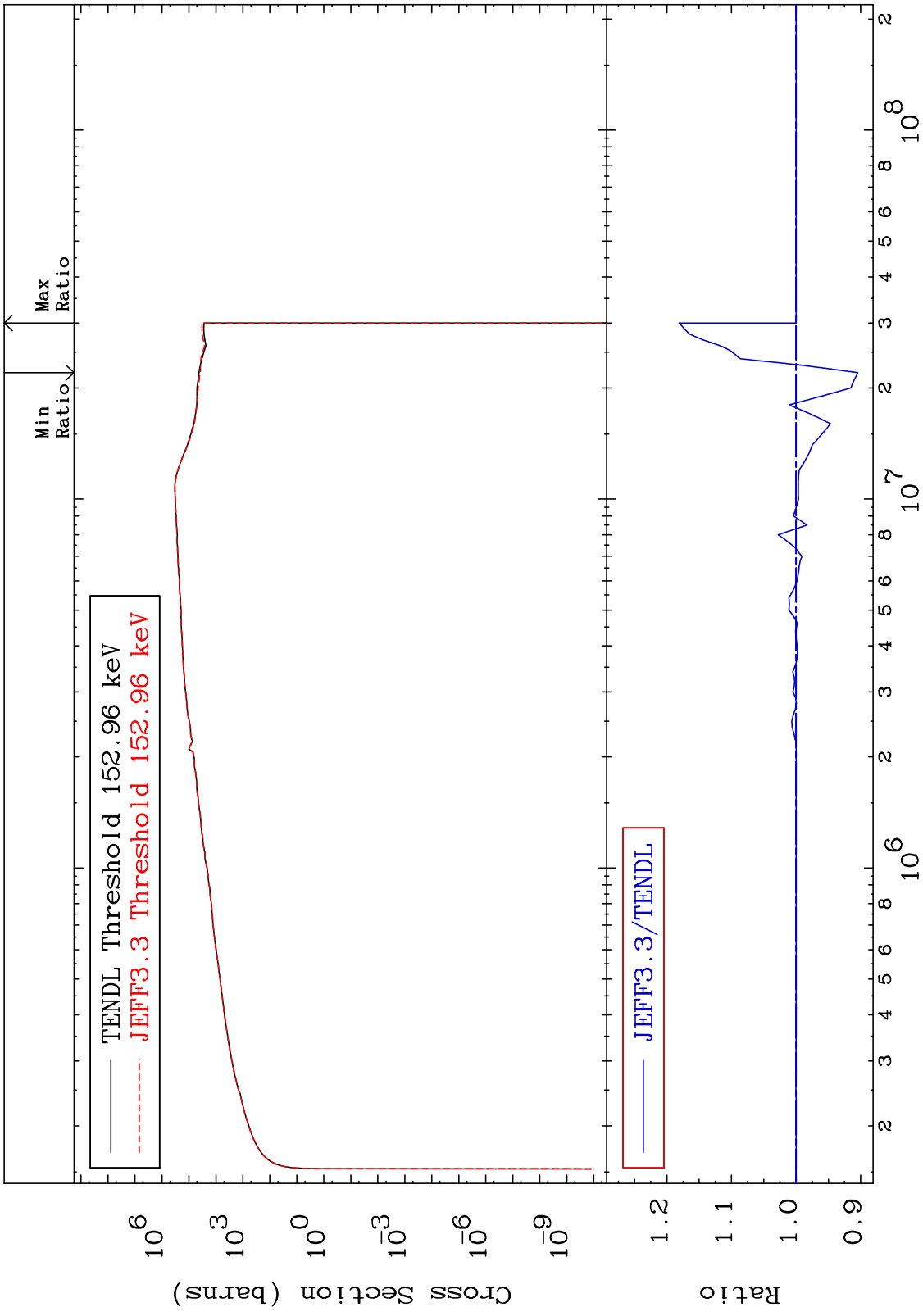
Kerma elastic
Cross Section

37-Rb-85
-91.82 To 8714. %



MAT 3725 Kerma non-elastic (all but mt2) 37-Rb-85
 Cross Section -99.96 To 9999. %

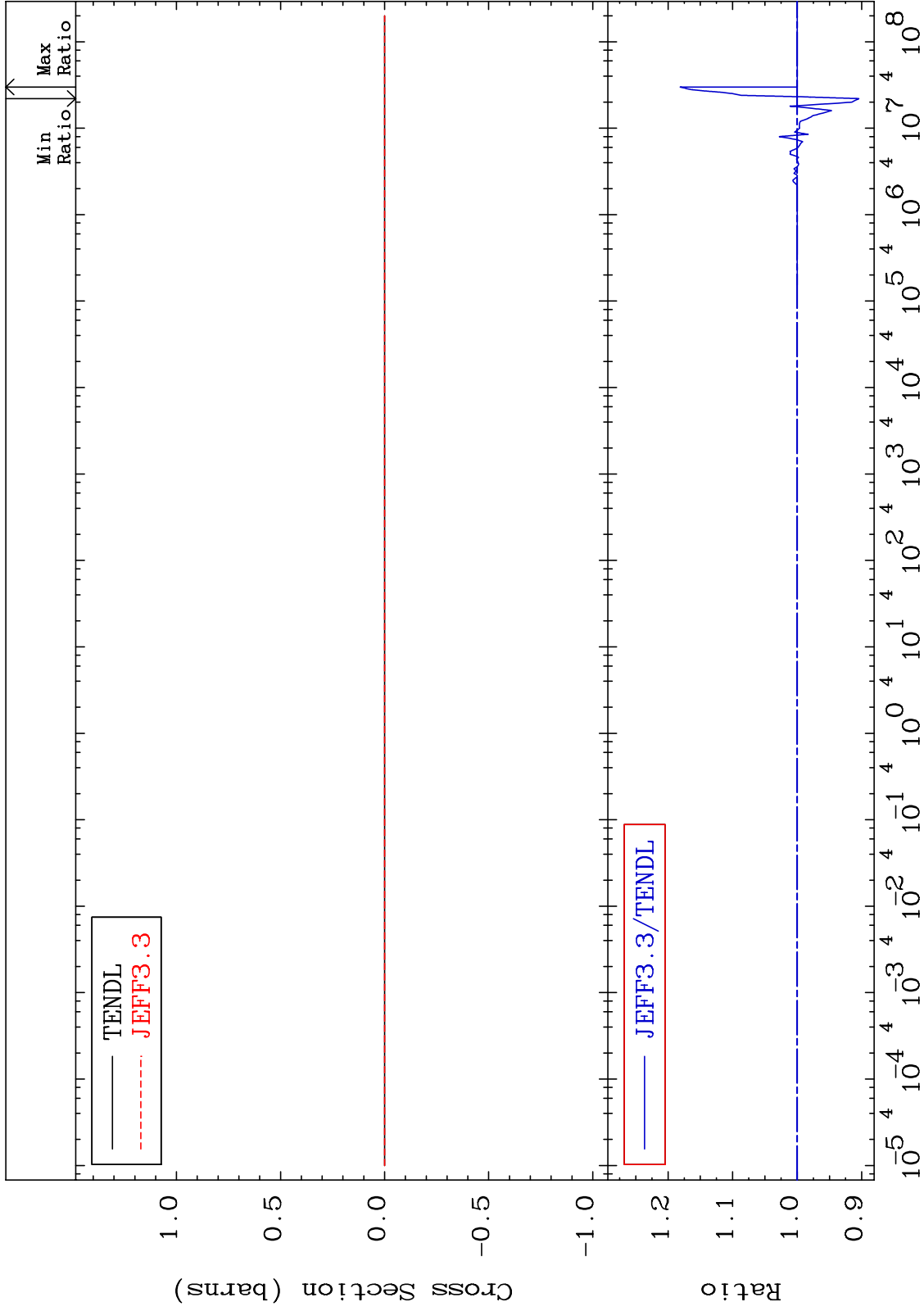




MAT 3725

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

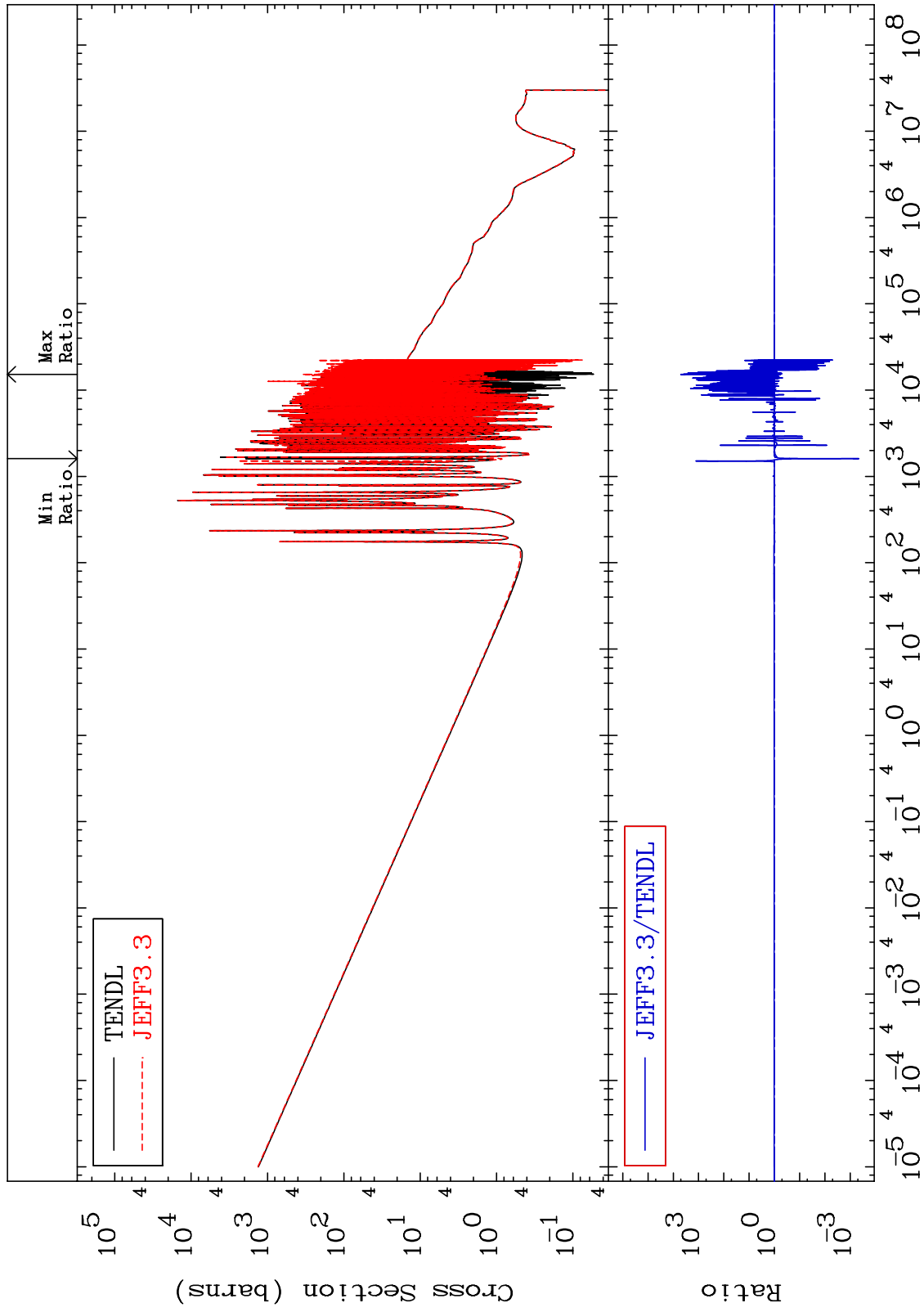
37-Rb-85
-9.557 To 18.12 %



MAT 3725

Kerma capture (mt102)
Cross Section

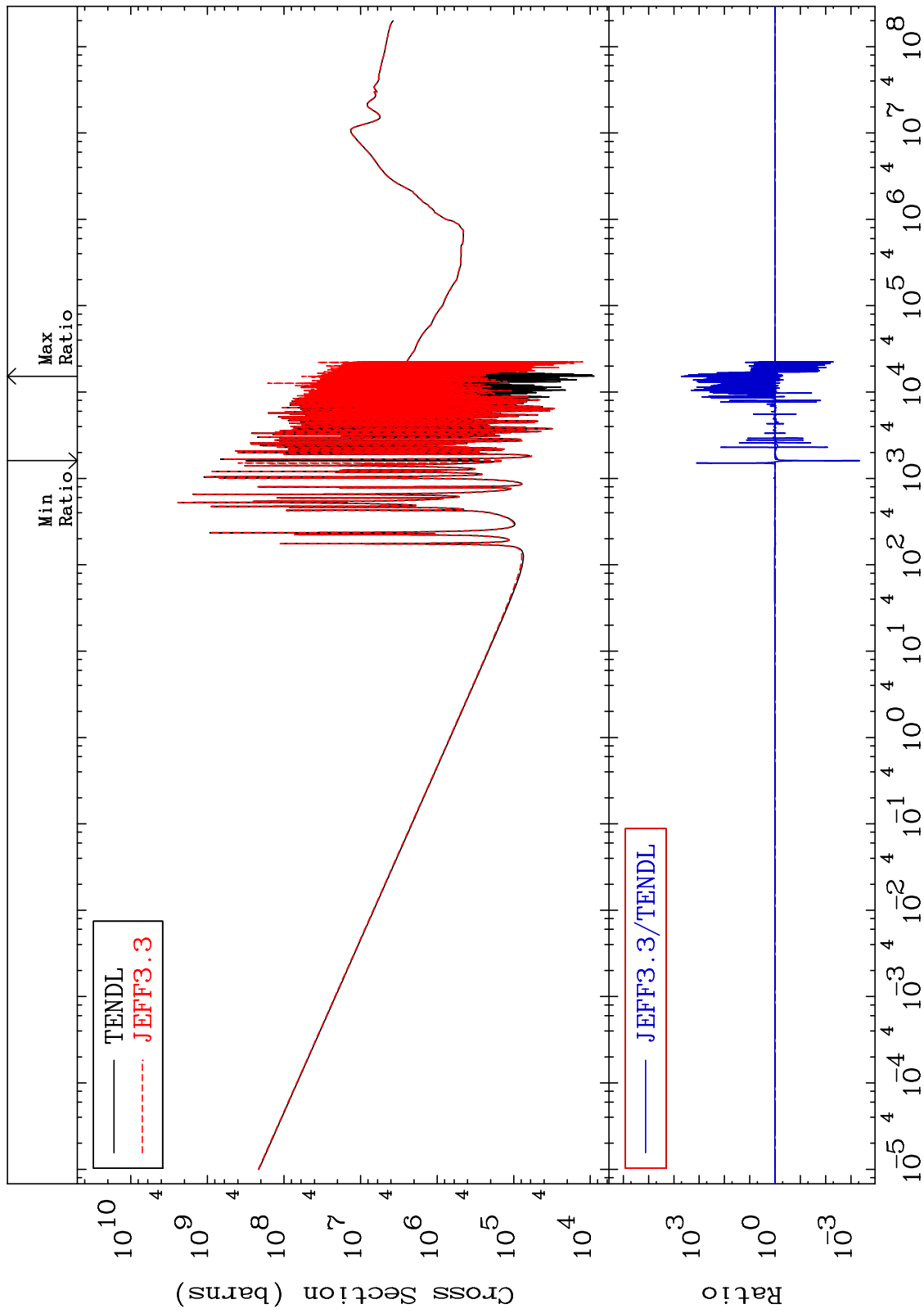
37-Rb-85
-99.96 To 9999. %



MAT 3725

Total photon (eV-barns)
Cross Section

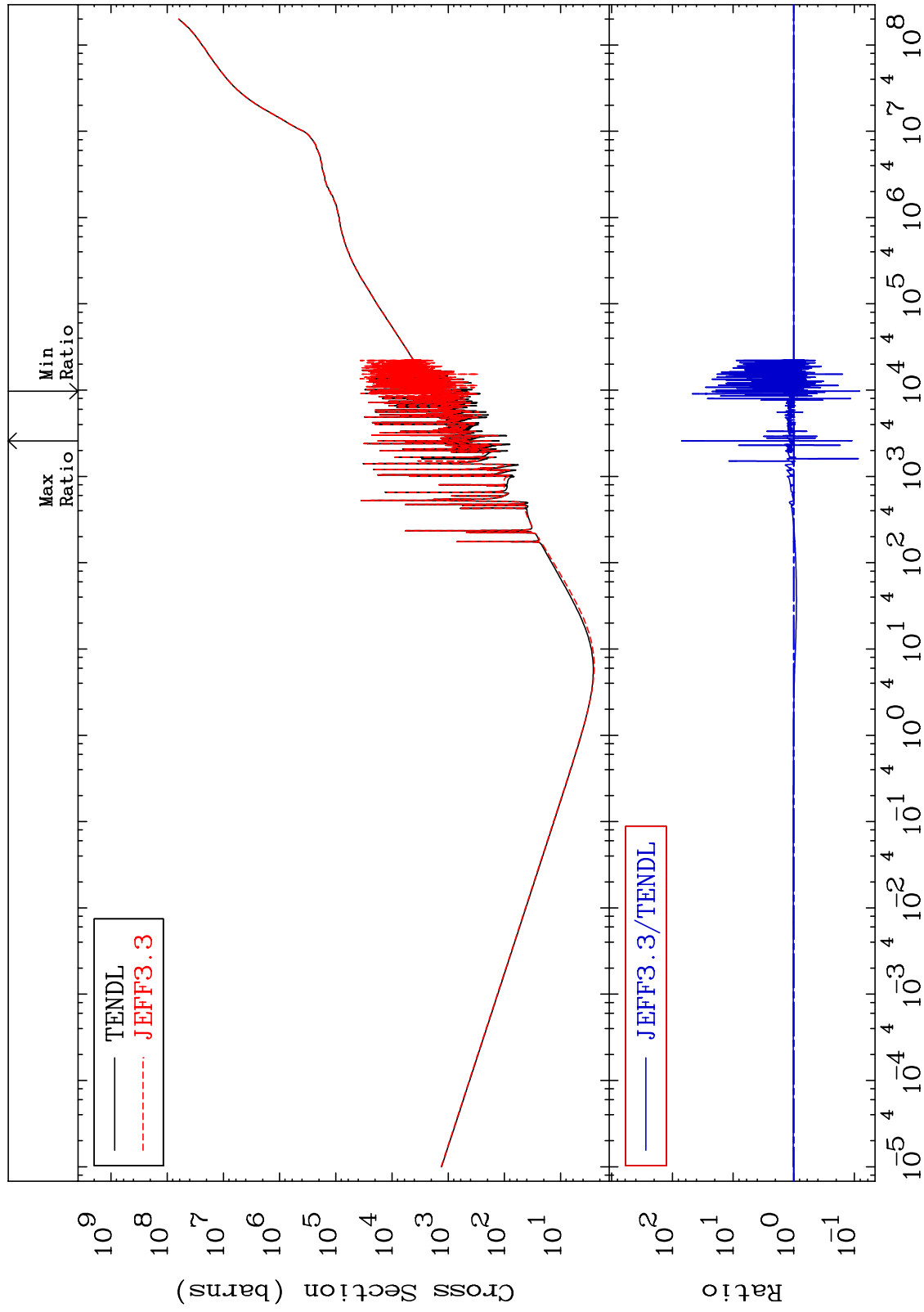
37-Rb-85
-99.96 To 9999. %



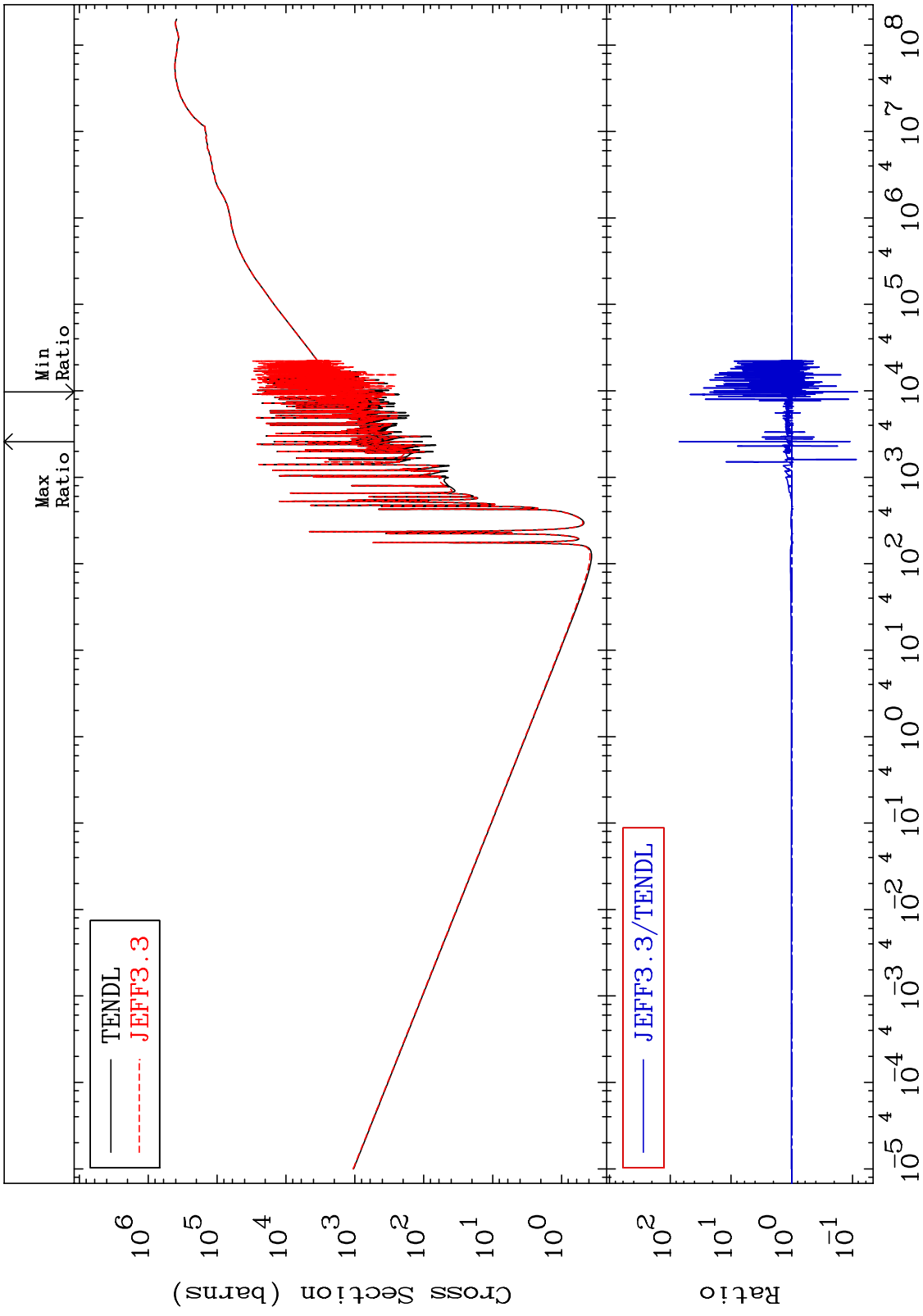
MAT 3725

Total kinematic kerma (high limit)
Cross Section

37-Rb-85
-91.85 To 6986. %



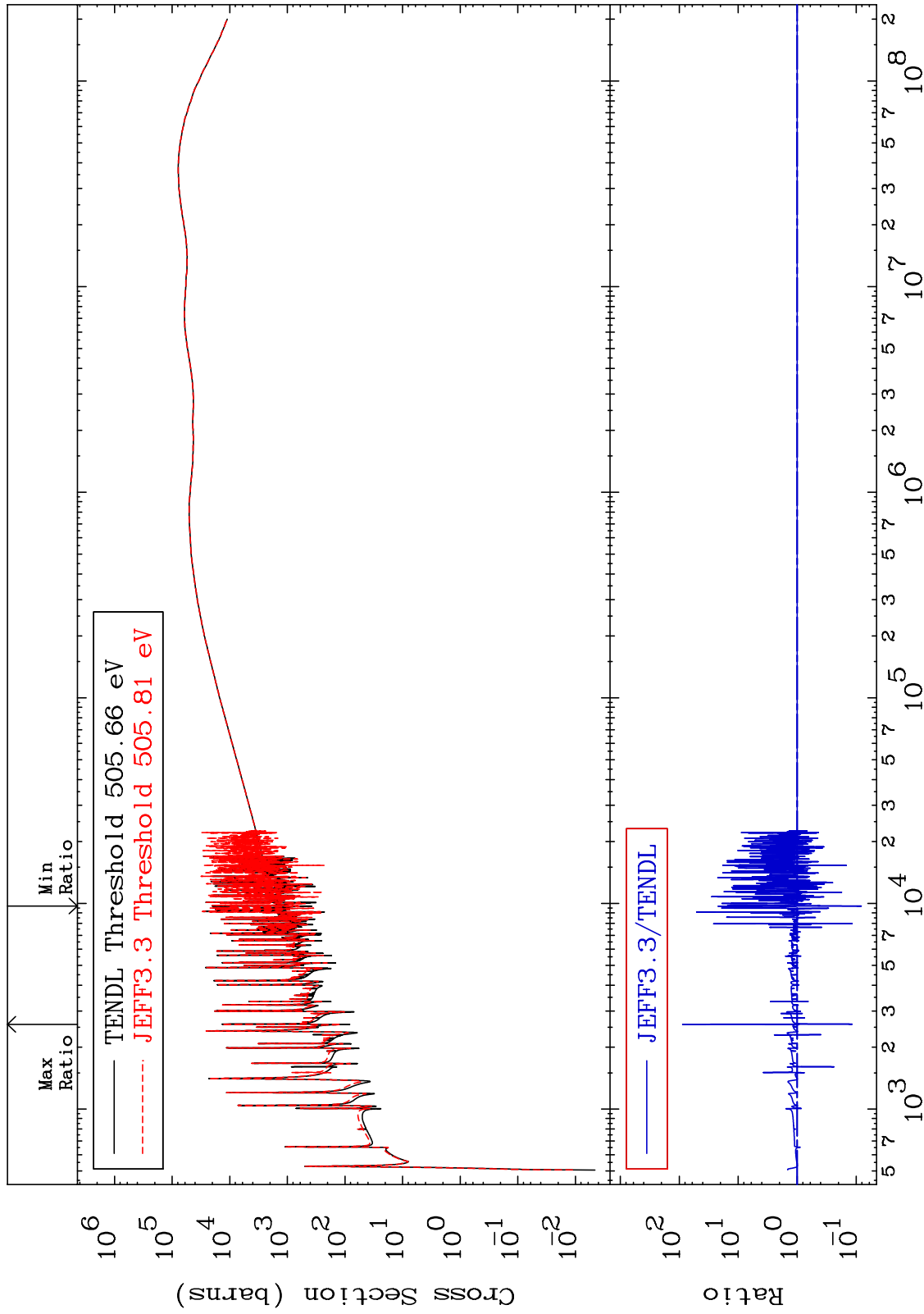
MAT 3725 Dpa total (eV-barns) 37-Rb-85
 Cross Section -91.85 To 7061. %



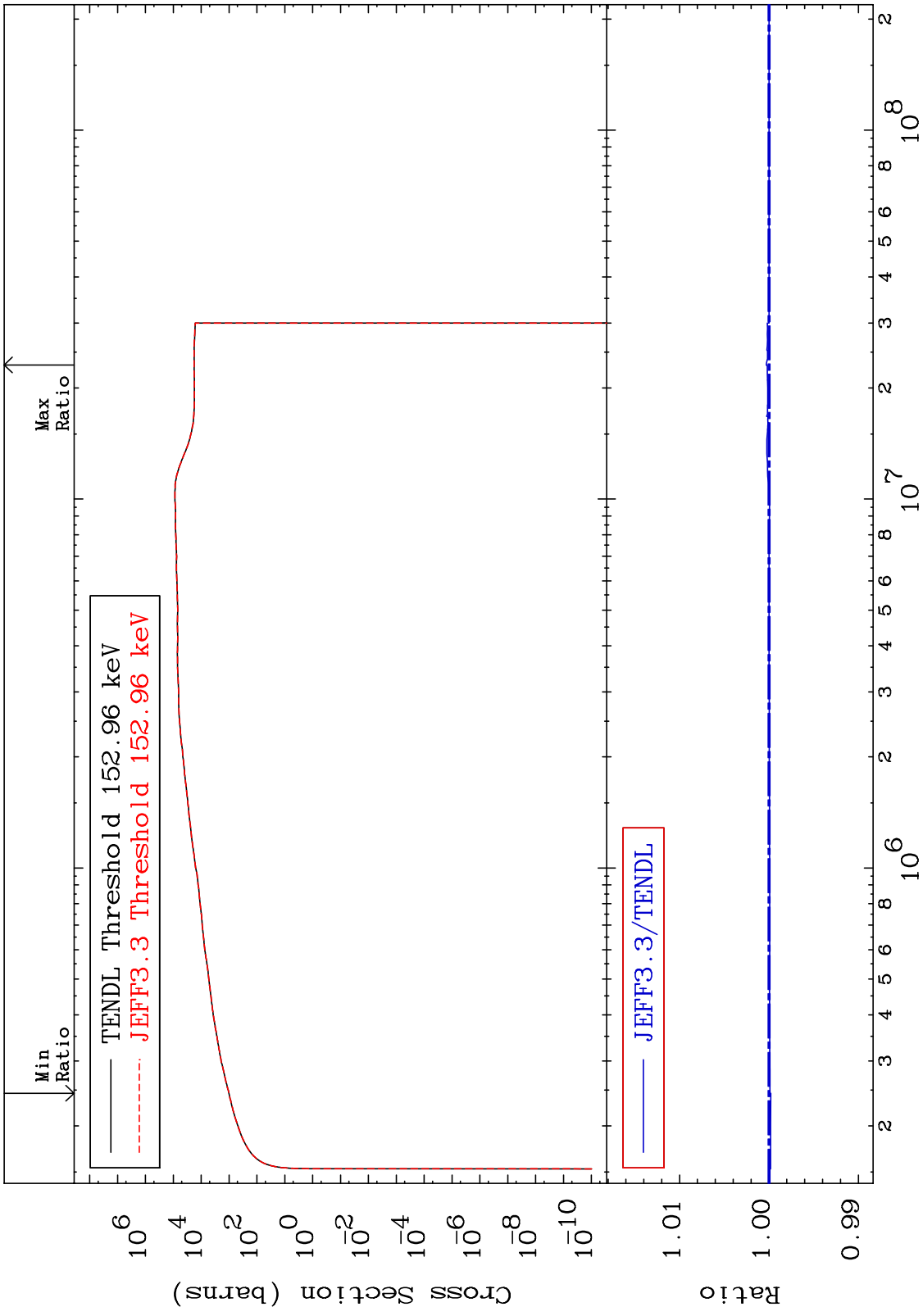
MAT 3725

Dpa elastic (mt2)
Cross Section

37-Rb-85
-91.82 To 8714. %



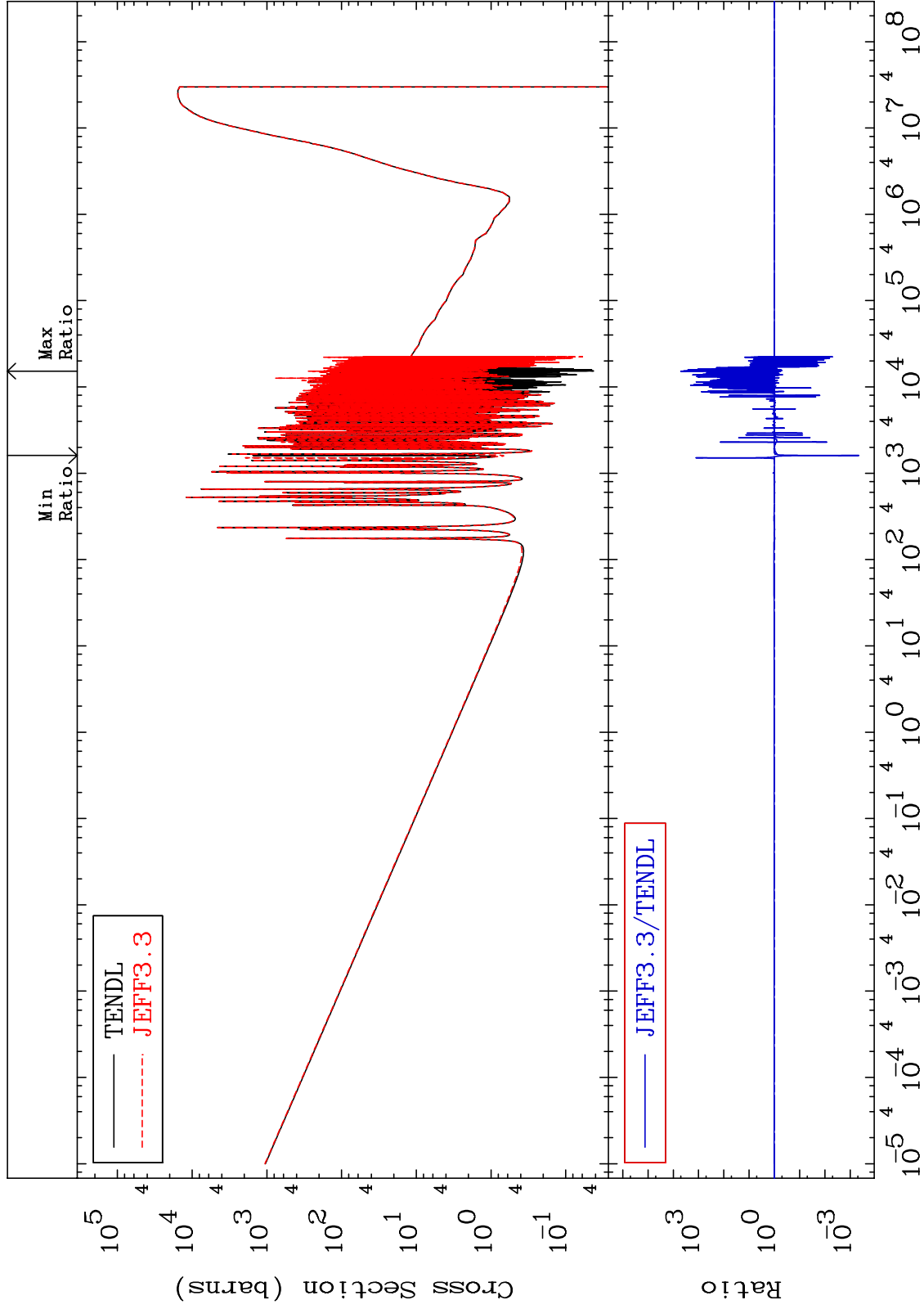
MAT 3725 Dpa inelastic (mt51-91) 37-Rb-85
 Cross Section -0.020 To 0.032 %



MAT 3725

Dpa disappearance (mt102 -120)
Cross Section

37-Rb-85
-99.96 To 9999. %

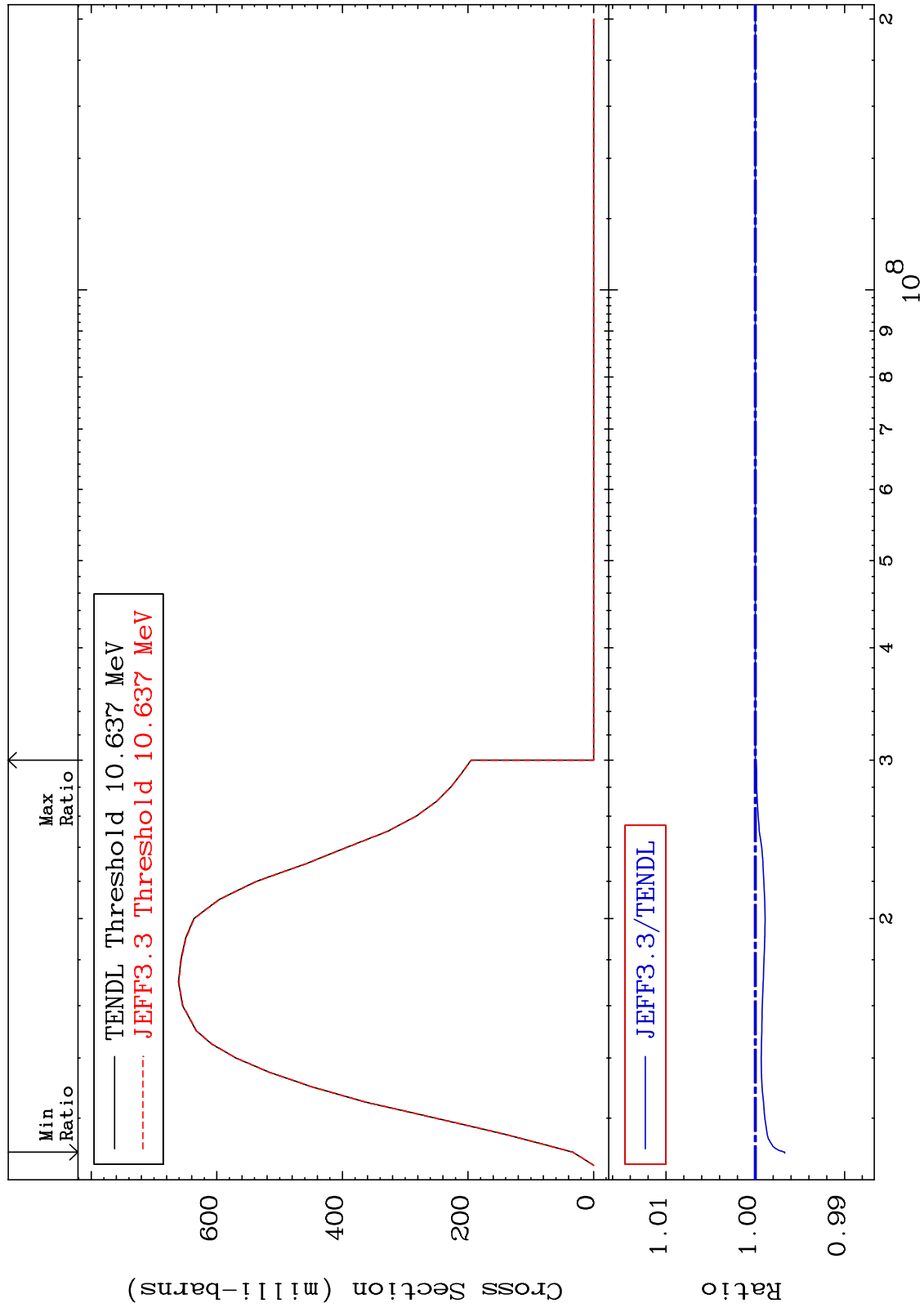


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Incident Energy (eV)

37-Rb-85

MAT 3725 (n,2n):37-Rb-84g 37-Rb-85
Radionuclide Production Cross Section -0.329 To 0.000 %

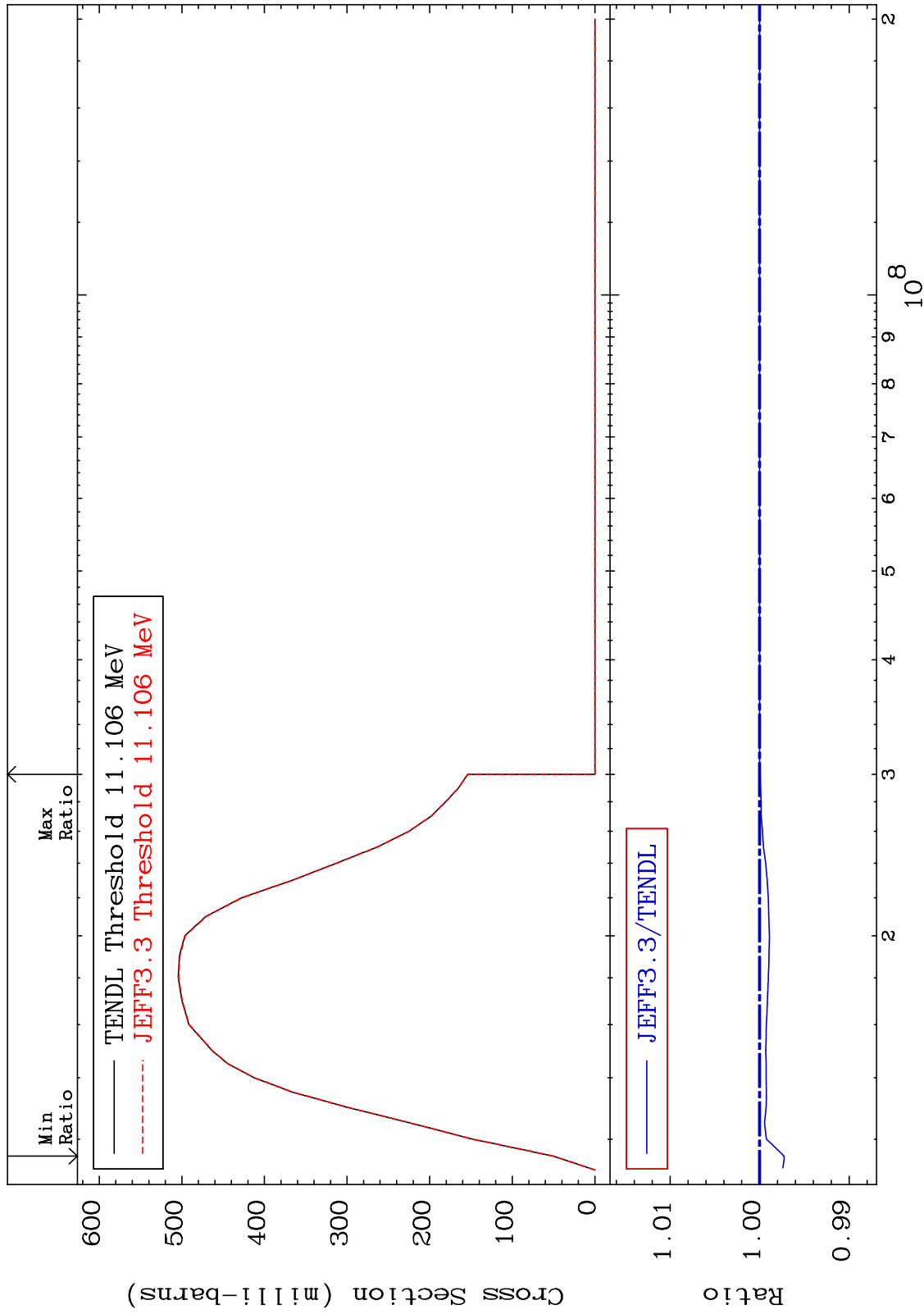


MAT 3725

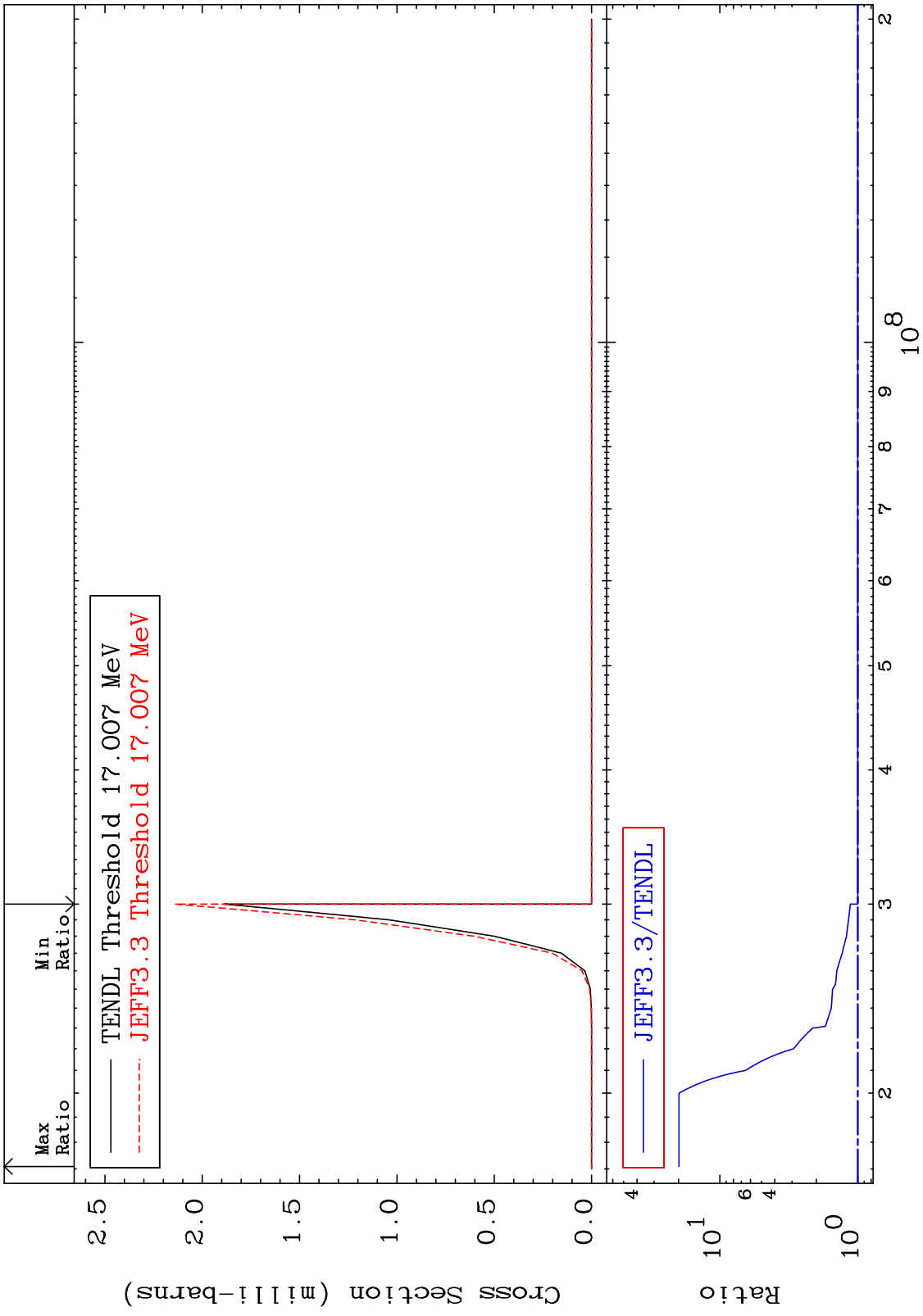
(n,2n):37-Rb-84m2

37-Rb-85

Radionuclide Production Cross Section -0.273 To 0.000 %



MAT 3725 (n,2n) α : 35-Br-80g 37-Rb-85
 Radionuclide Production Cross Section 0.000 To 1880. %

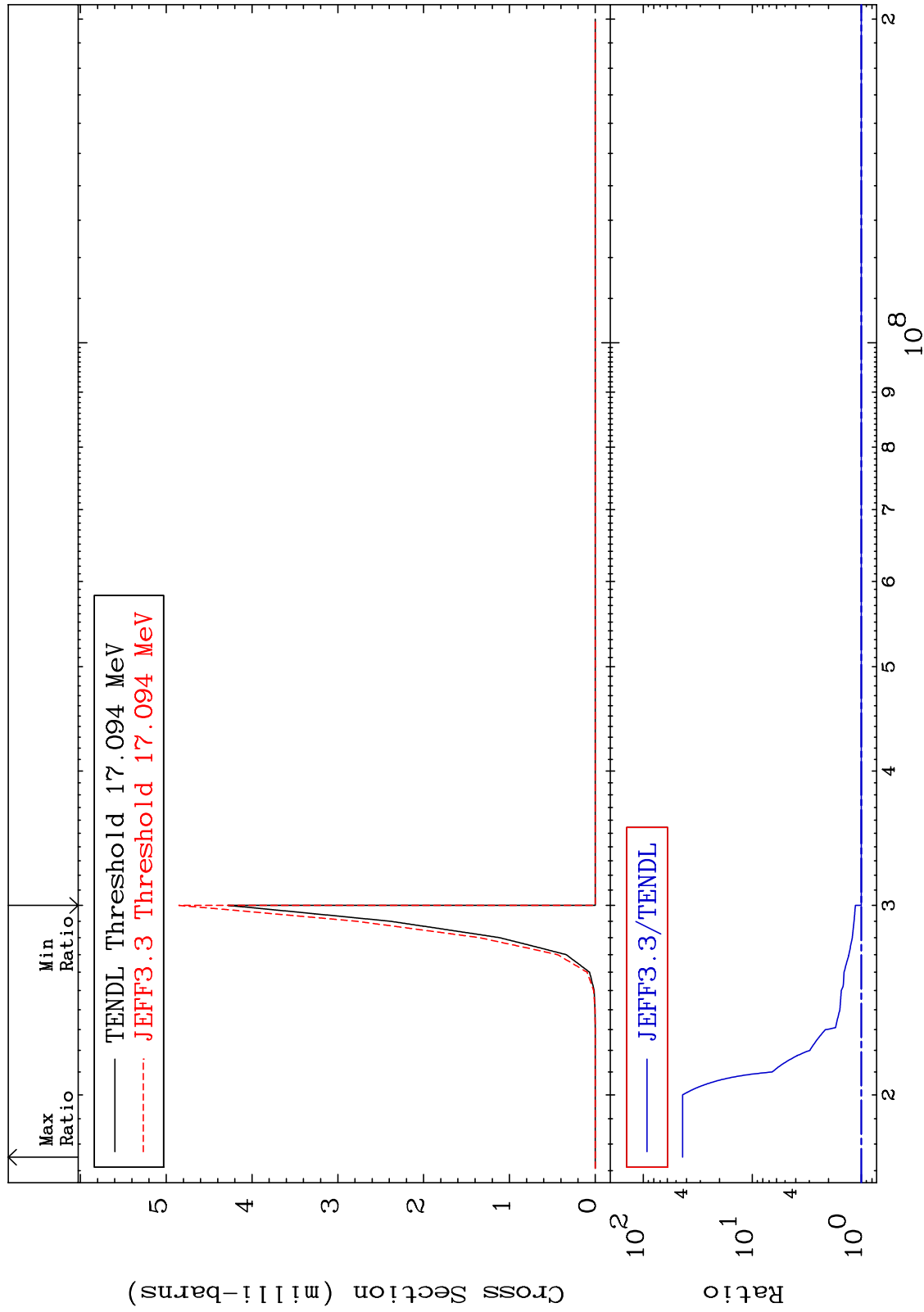


MAT 3725

(n,2n) α :35-Br-80m2

37-Rb-85

Radionuclide Production Cross Section 0.000 To 4248. %



65

Incident Energy (eV)

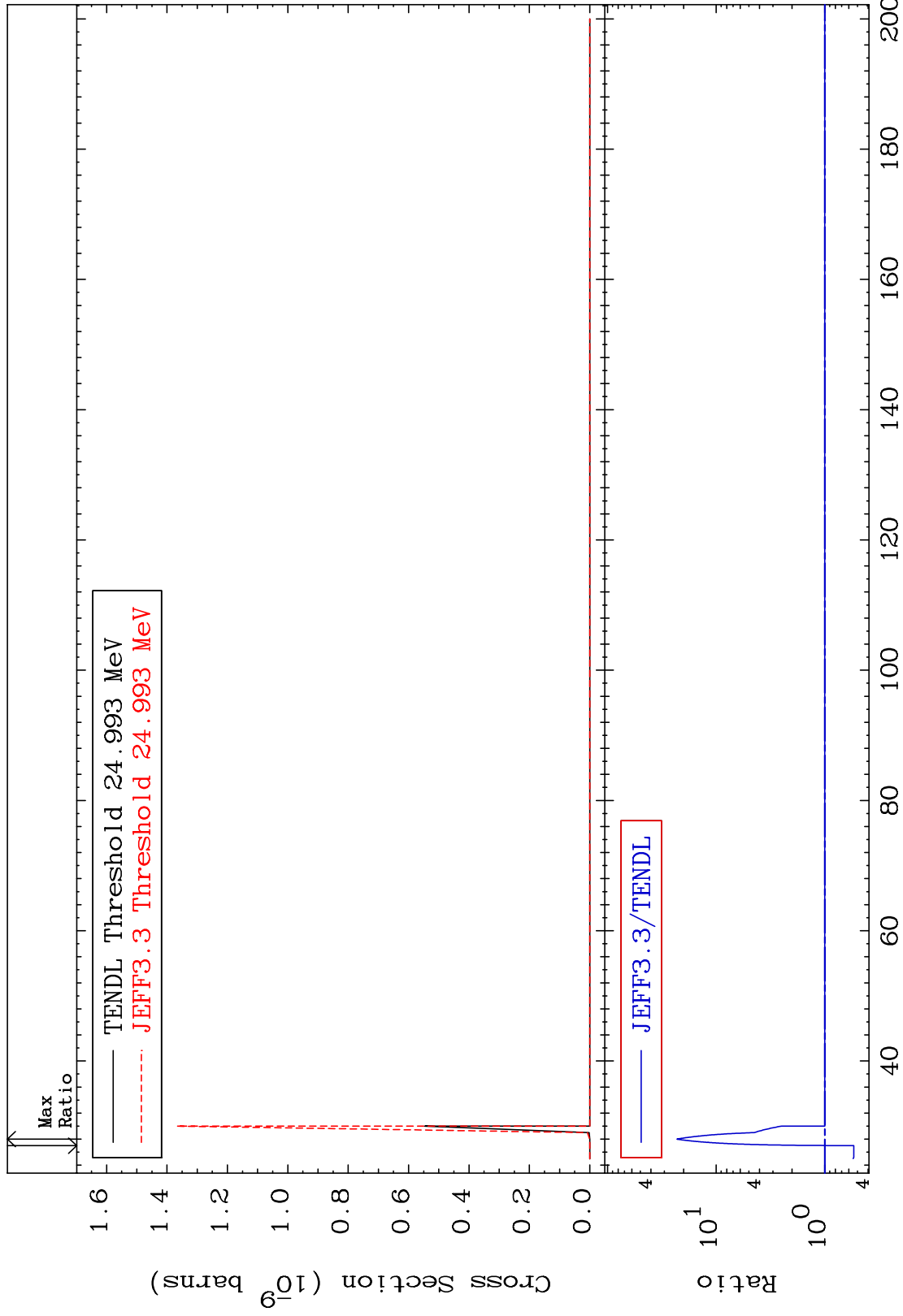
37-Rb-85

MAT 3725

(n,3n) α : 35-Br-79g

37-Rb-85

Radionuclide Production Cross Section -45.98 To 2219. %

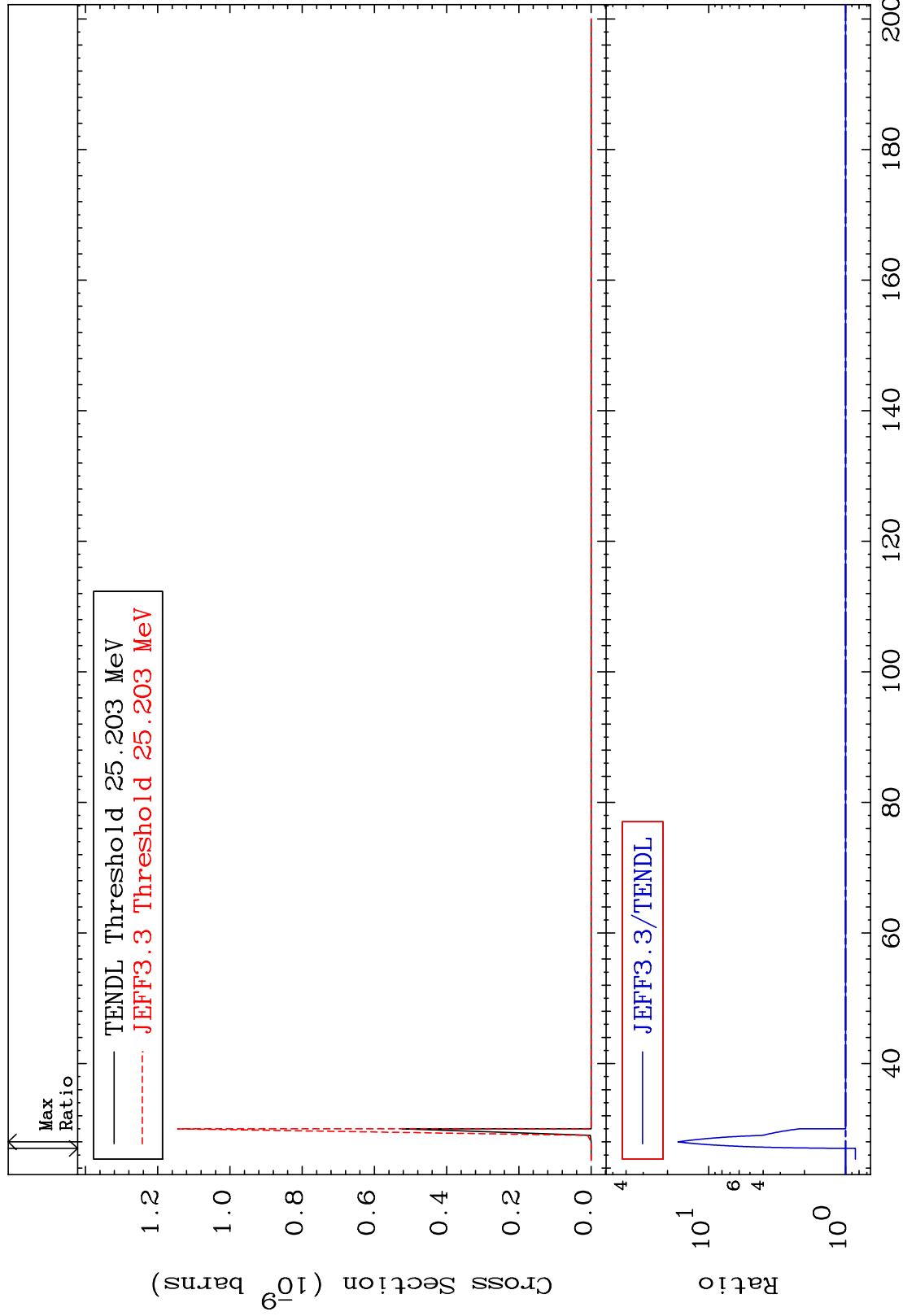


MAT 3725

(n,3n) α :35-Br-79m1

37-Rb-85

Radionuclide Production Cross Section -15.05 To 1574. %



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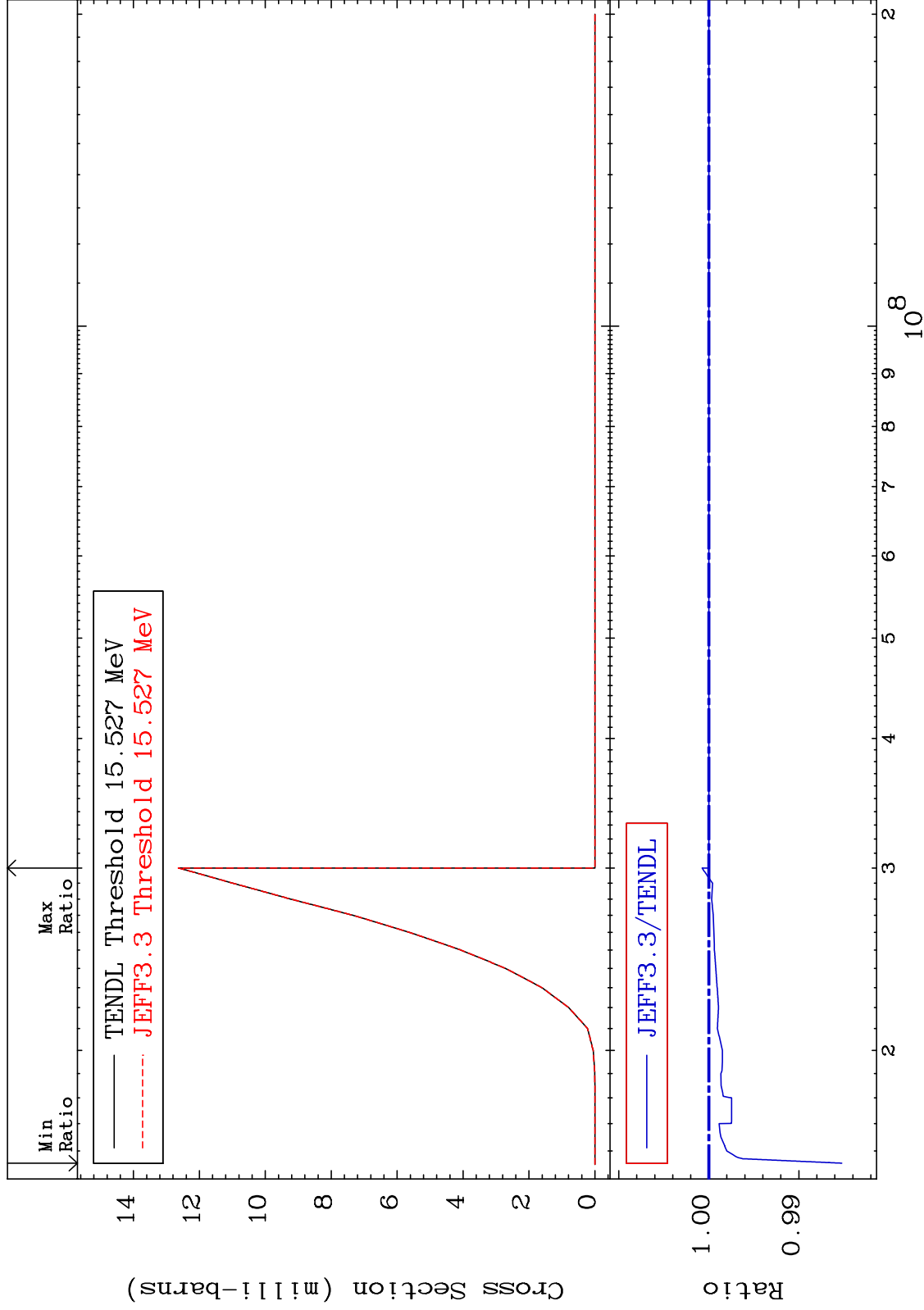
37-Rb-85

MAT 3725

(n, n') d: 36-Kr-83g

37-Rb-85

Radionuclide Production Cross Section -1.477 To 0.076 %

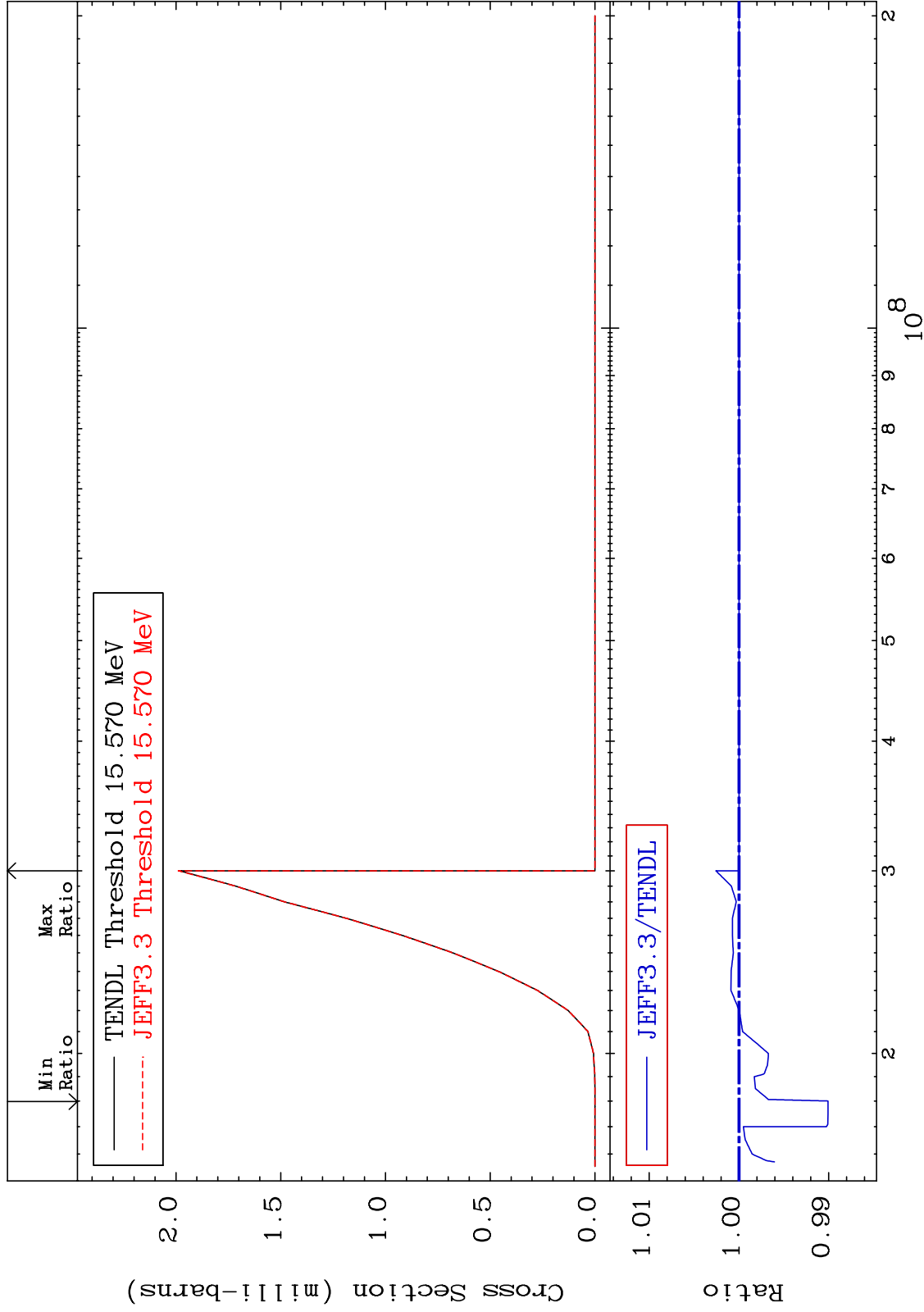


MAT 3725

(n, n') d:36-Kr-83m2

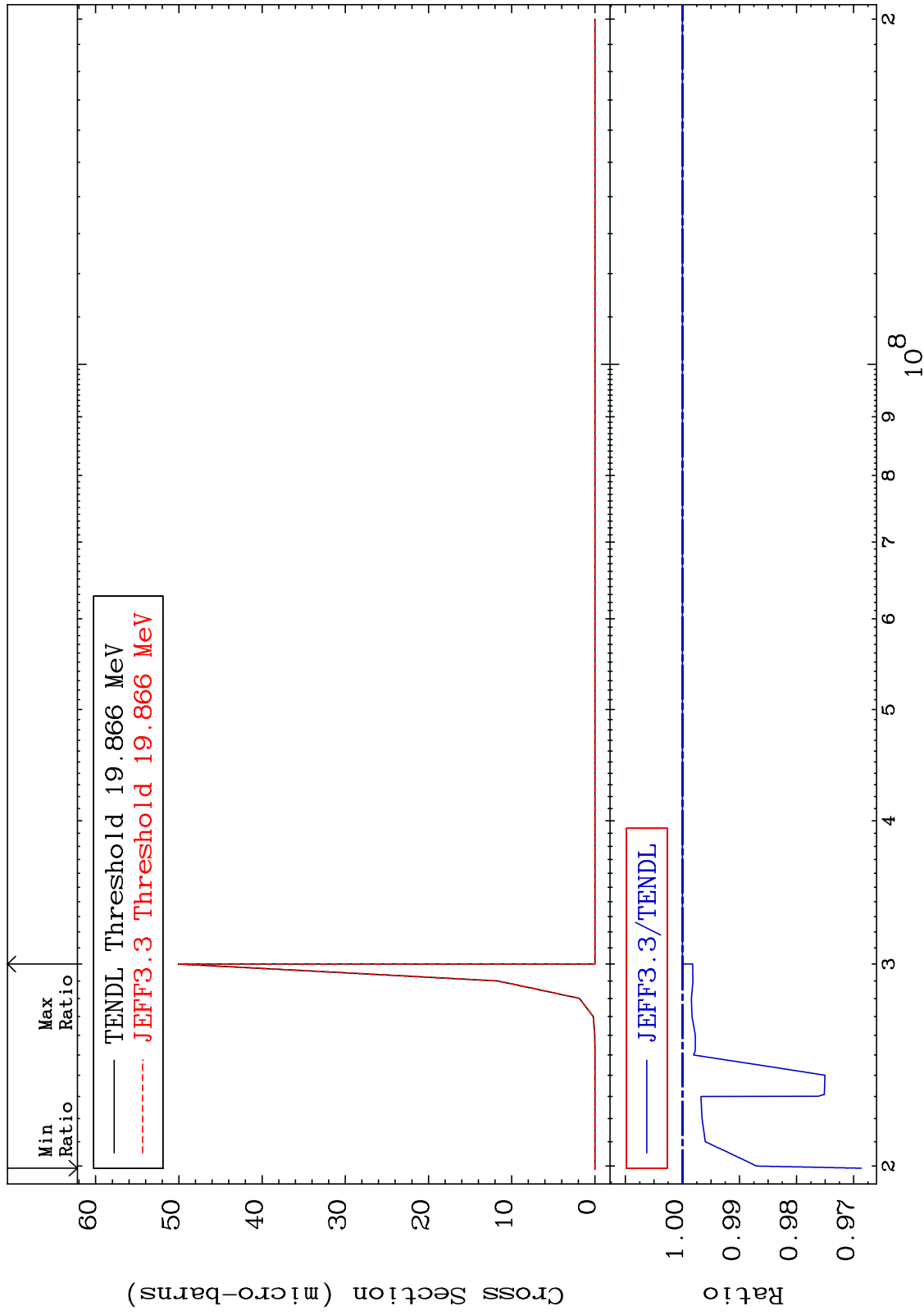
37-Rb-85

Radionuclide Production Cross Section -0.992 To 0.259 %



MAT 3725

(n,n') He-3:35-Br-82g 37-Rb-85
Radionuclide Production Cross Section -3.133 To 0.000 %



70

Incident Energy (eV)

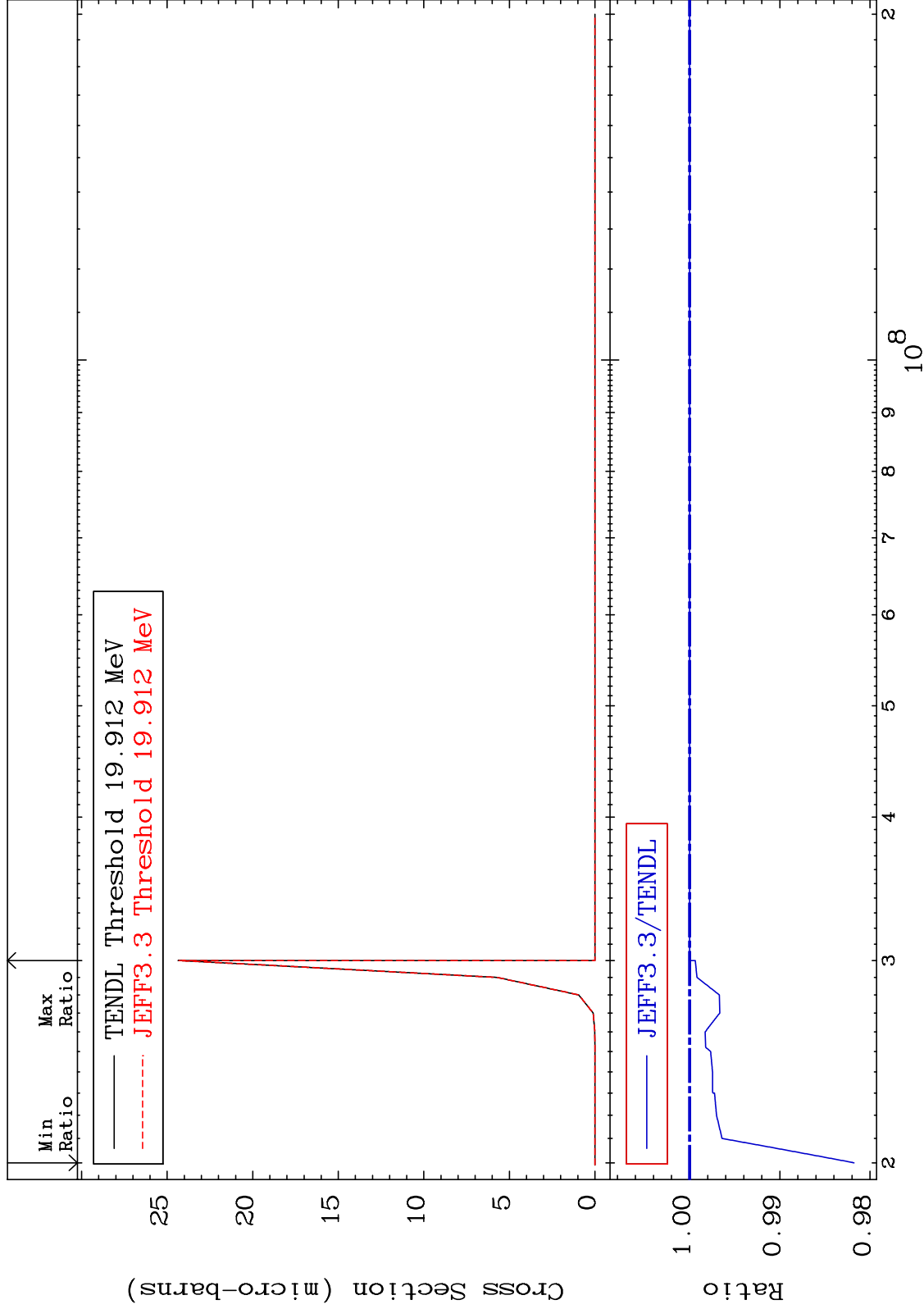
37-Rb-85

MAT 3725

(n, n') He-3:35-Br-82m1

37-Rb-85

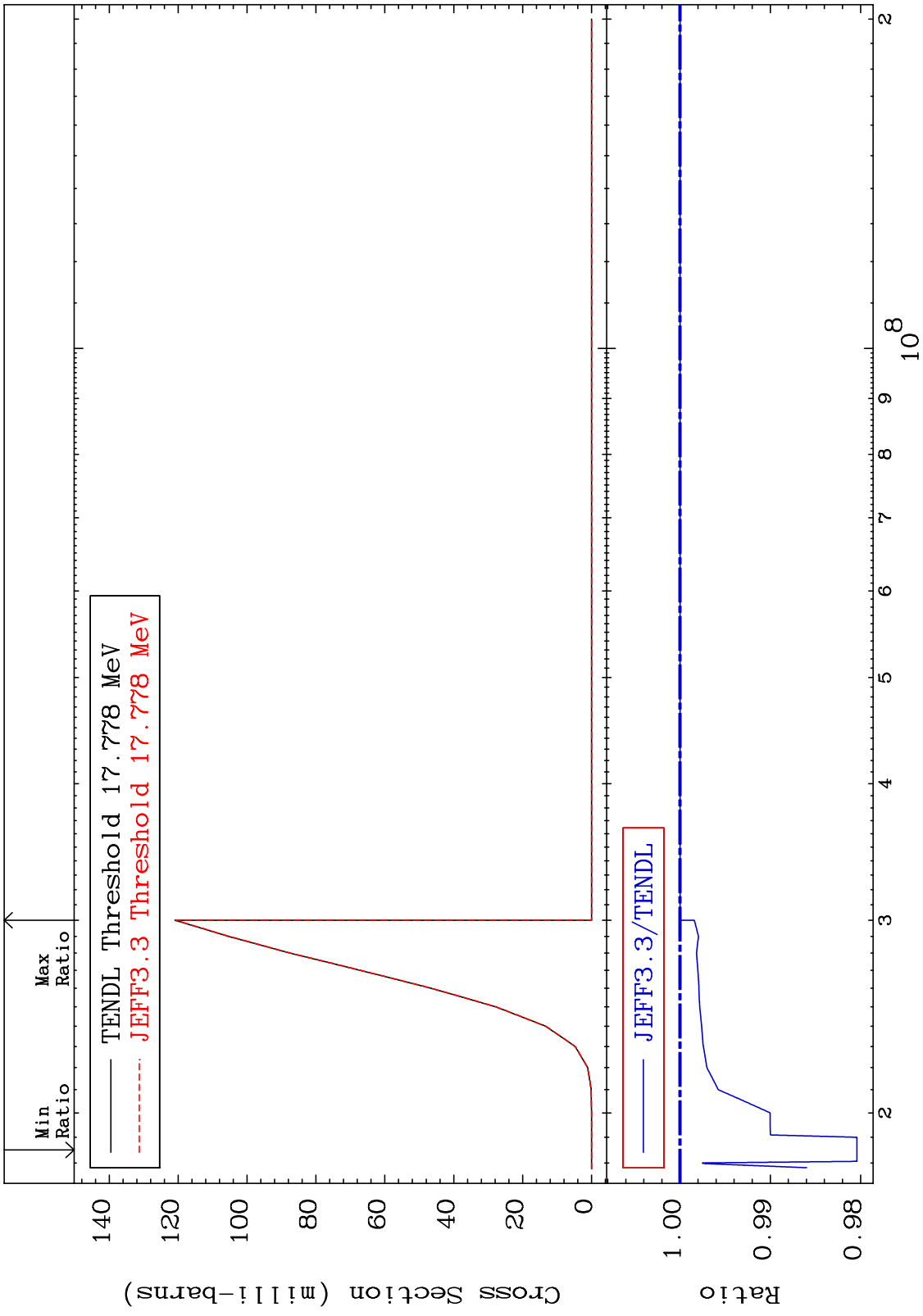
Radionuclide Production Cross Section -1.823 To 0.000 %



71

Incident Energy (eV)

37-Rb-85

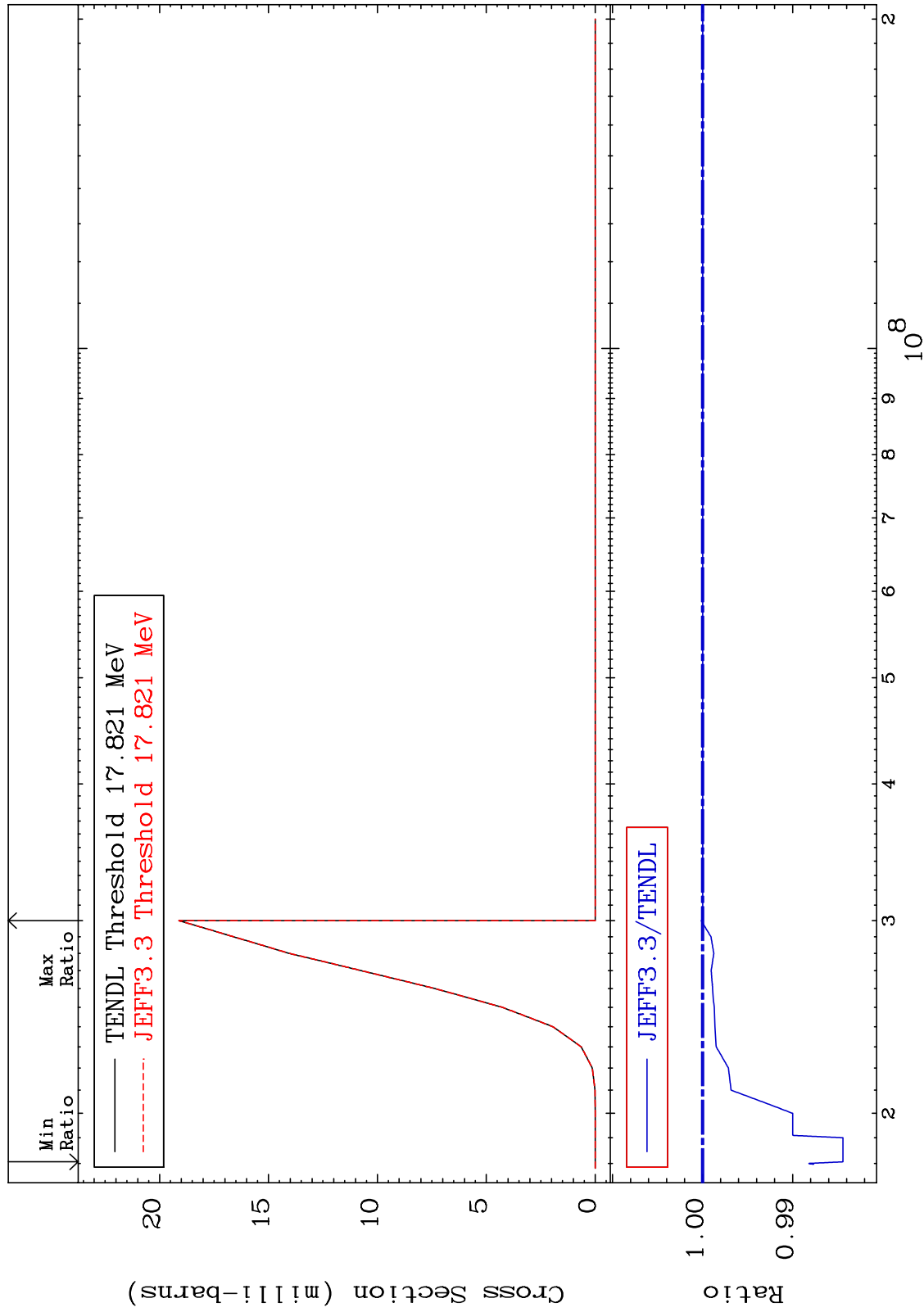


MAT 3725

(n,2n) p:36-Kr-83m2

37-Rb-85

Radionuclide Production Cross Section -1.558 To 0.017 %



73

Incident Energy (eV)

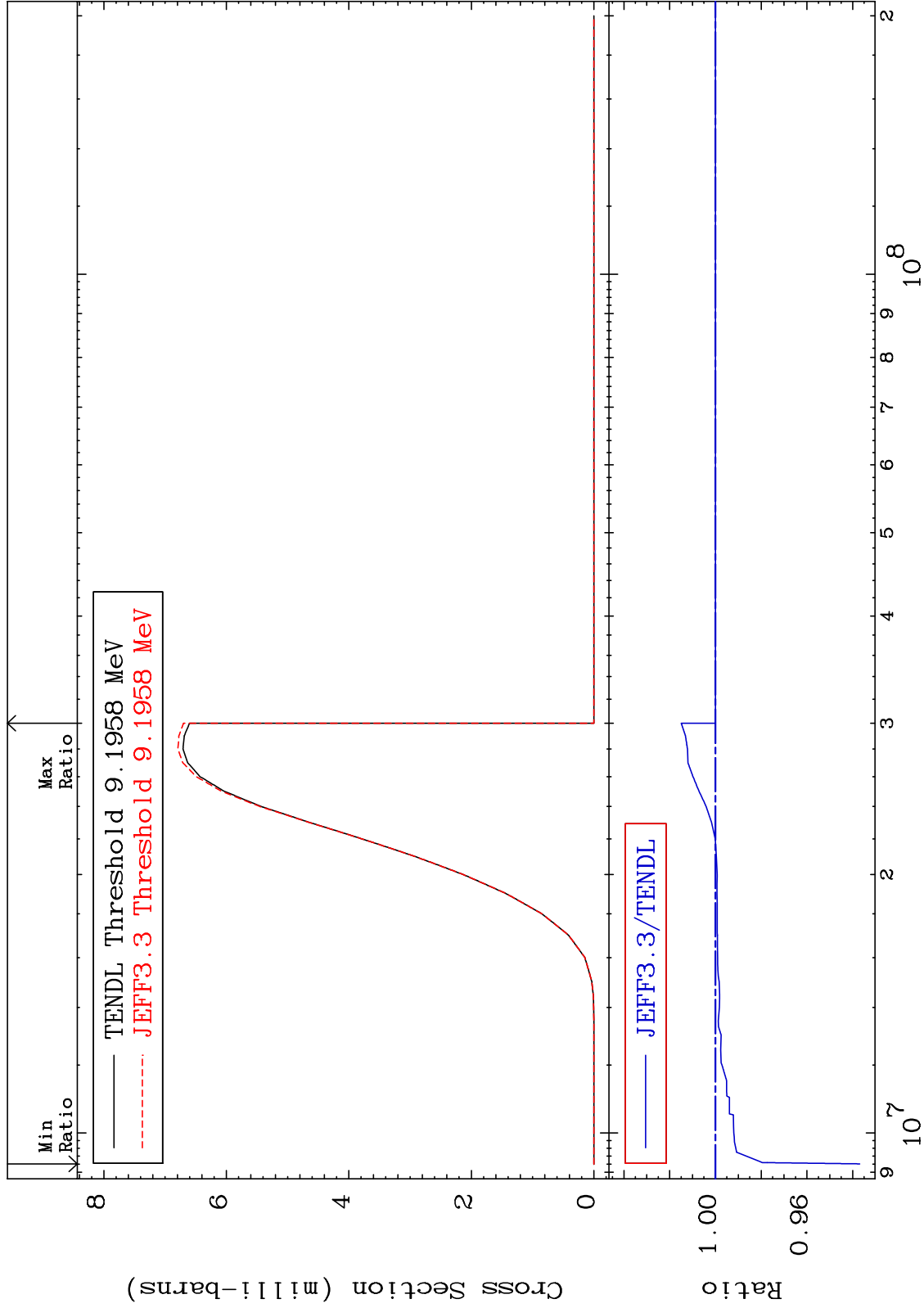
37-Rb-85

MAT 3725

(n, t) : 36-Kr-83g

37-Rb-85

Radionuclide Production Cross Section -6.308 To 1.494 %



74

Incident Energy (eV)

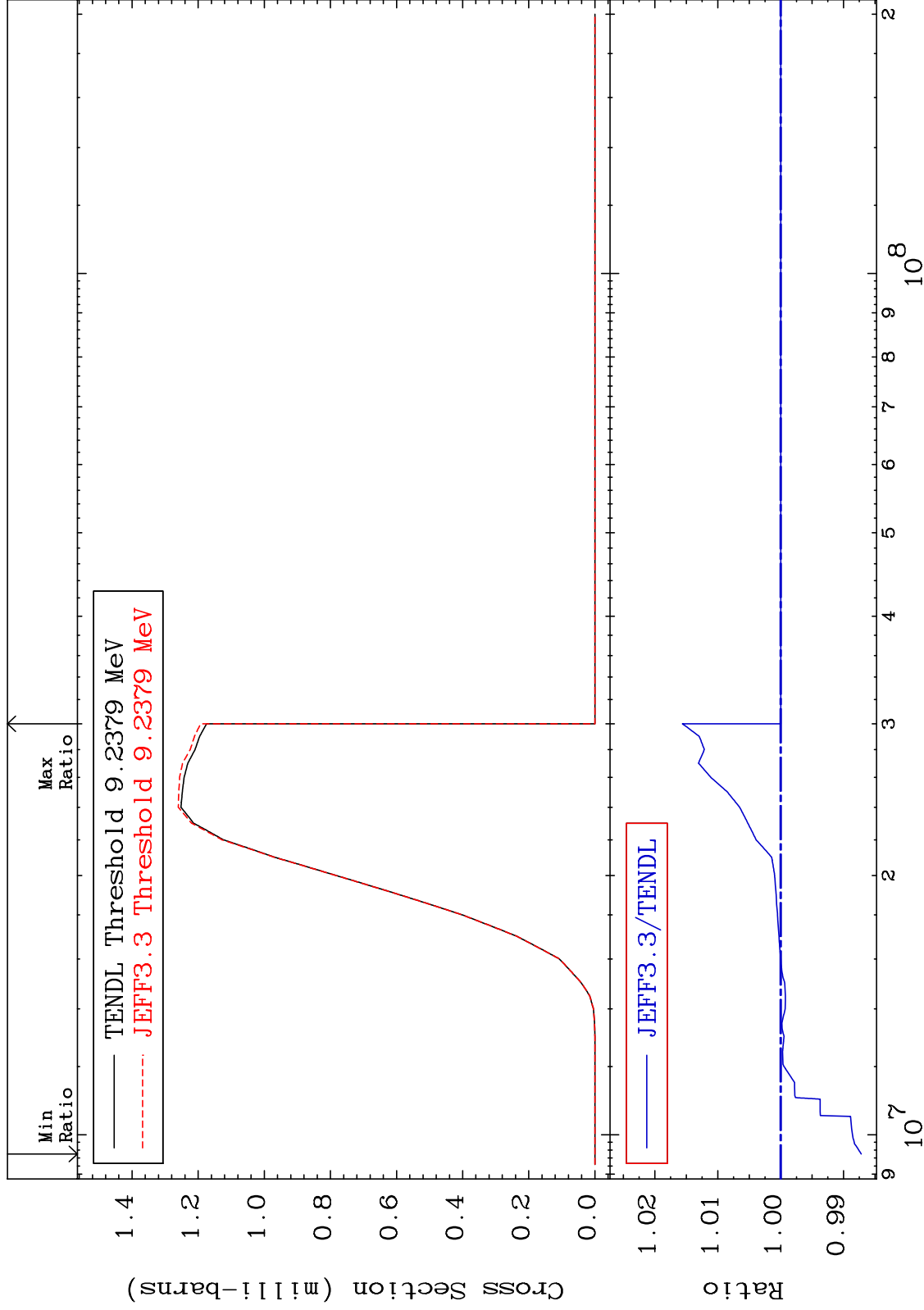
37-Rb-85

MAT 3725

(n,t):36-Kr-83m2

37-Rb-85

Radionuclide Production Cross Section -1.281 To 1.561 %



75

Incident Energy (eV)

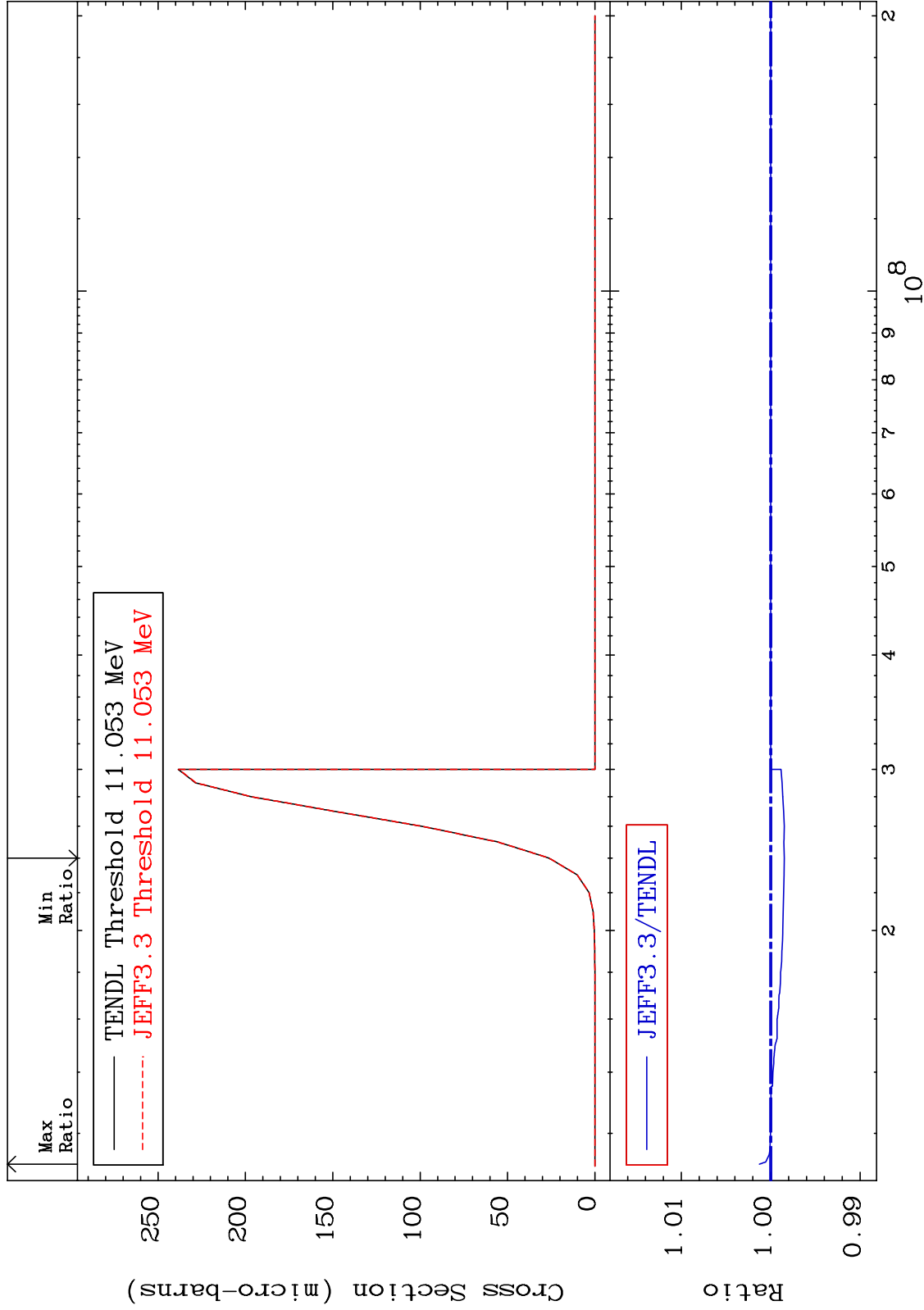
37-Rb-85

MAT 3725

(n,2p):35-Br-84g

37-Rb-85

Radionuclide Production Cross Section -0.152 To 0.126 %



76

Incident Energy (eV)

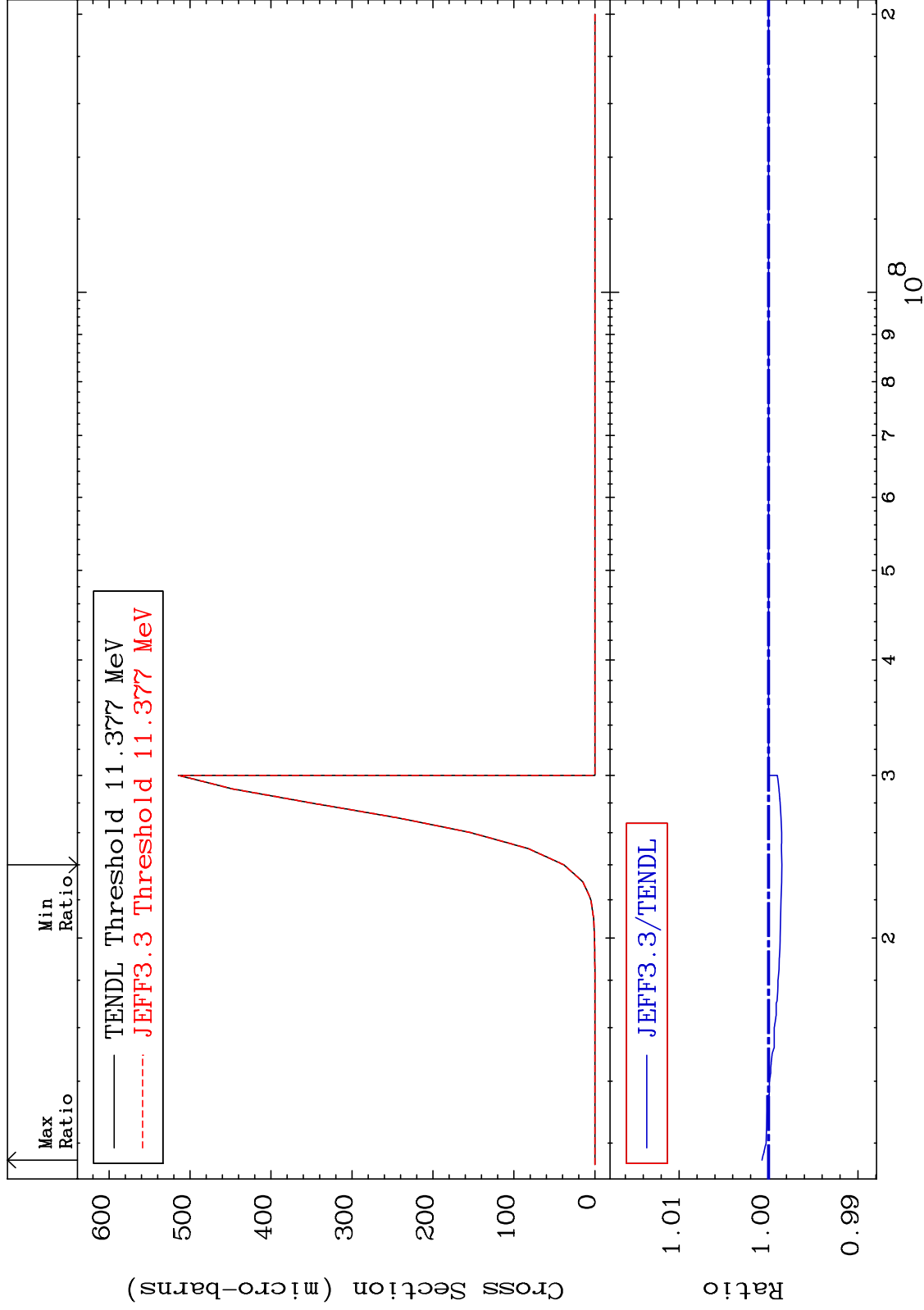
37-Rb-85

MAT 3725

(n,2p):35-Br-84m1

37-Rb-85

Radionuclide Production Cross Section -0.148 To 0.073 %

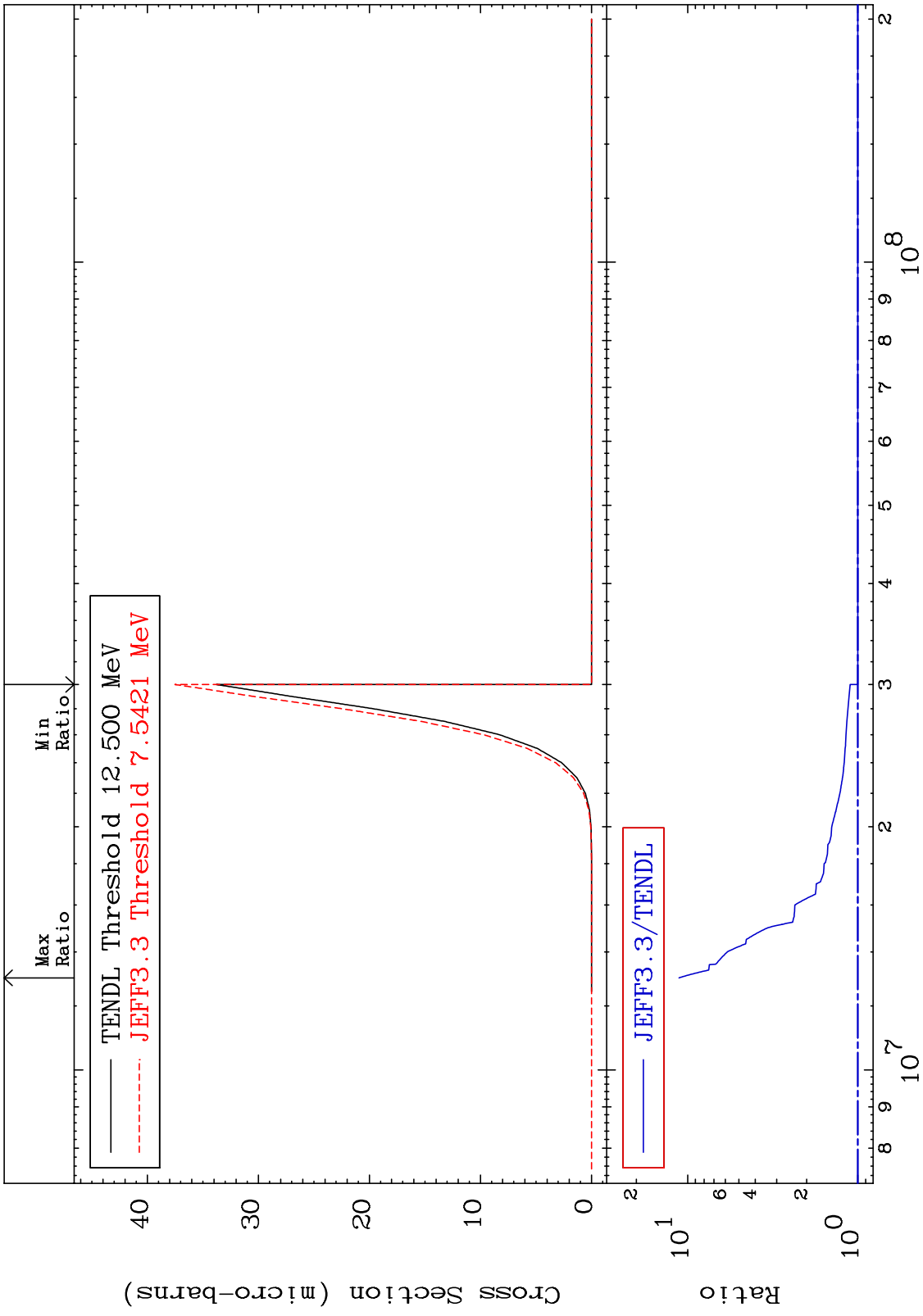


77

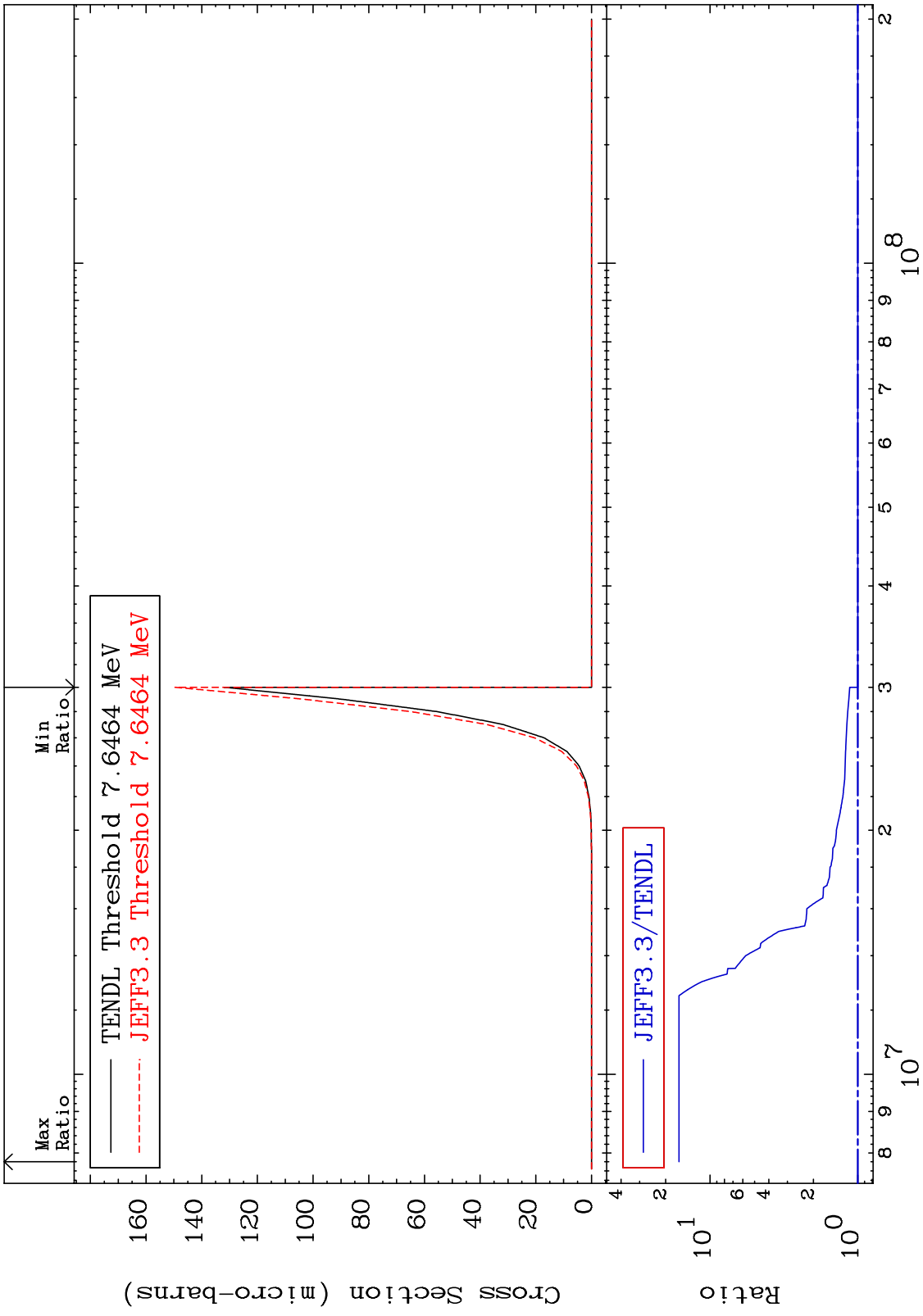
Incident Energy (eV)

37-Rb-85

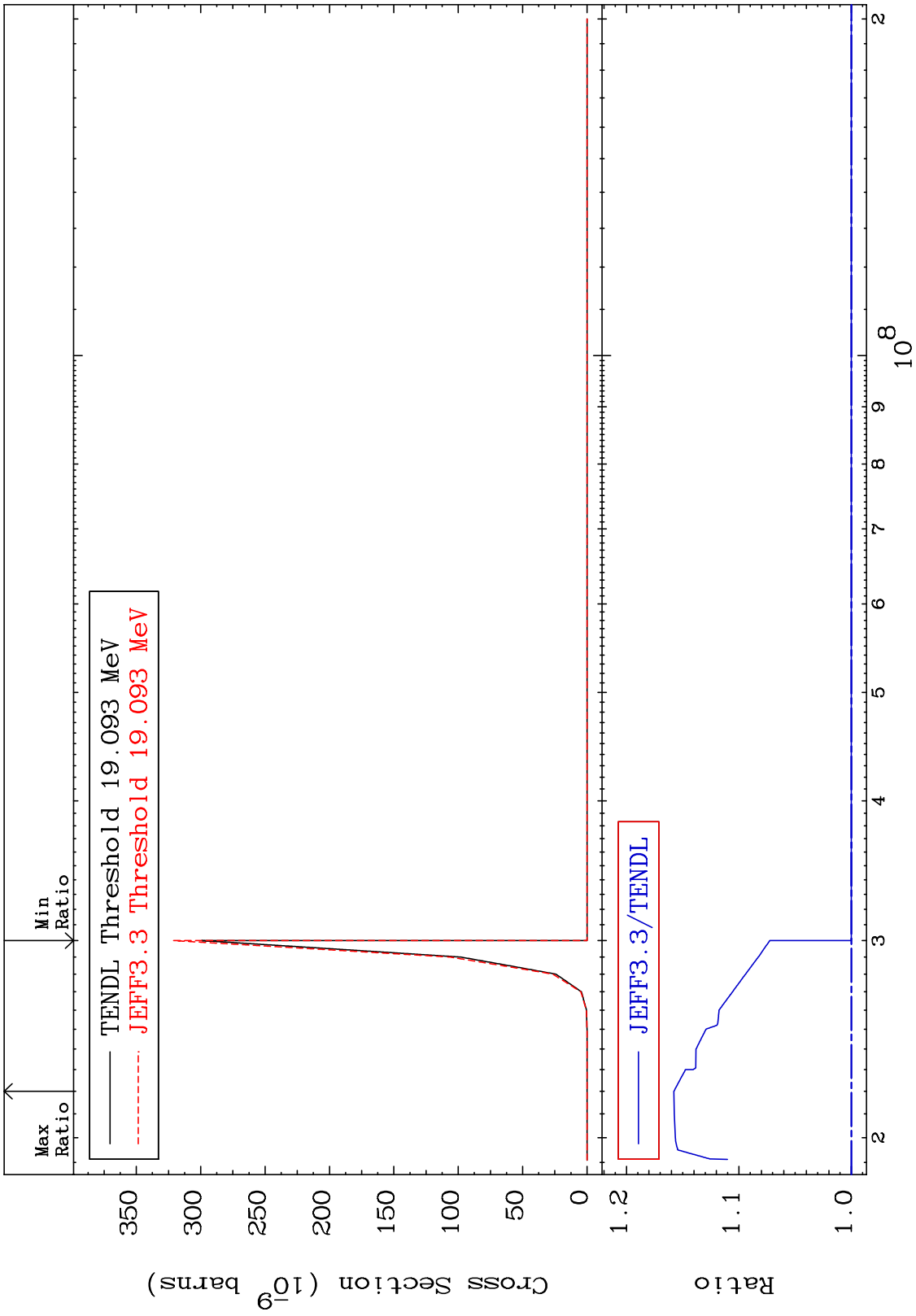
MAT 3725 (n,p) α :34-Se-81g 37-Rb-85
 Radionuclide Production Cross Section 0.000 To 1023. %



MAT 3725 (n,p) α :34-Se-81m1 37-Rb-85
 Radionuclide Production Cross Section 0.000 To 1522. %



MAT 3725 (n,p) t:35-Br-82g 37-Rb-85
 Radionuclide Production Cross Section 0.000 To 15.78 %

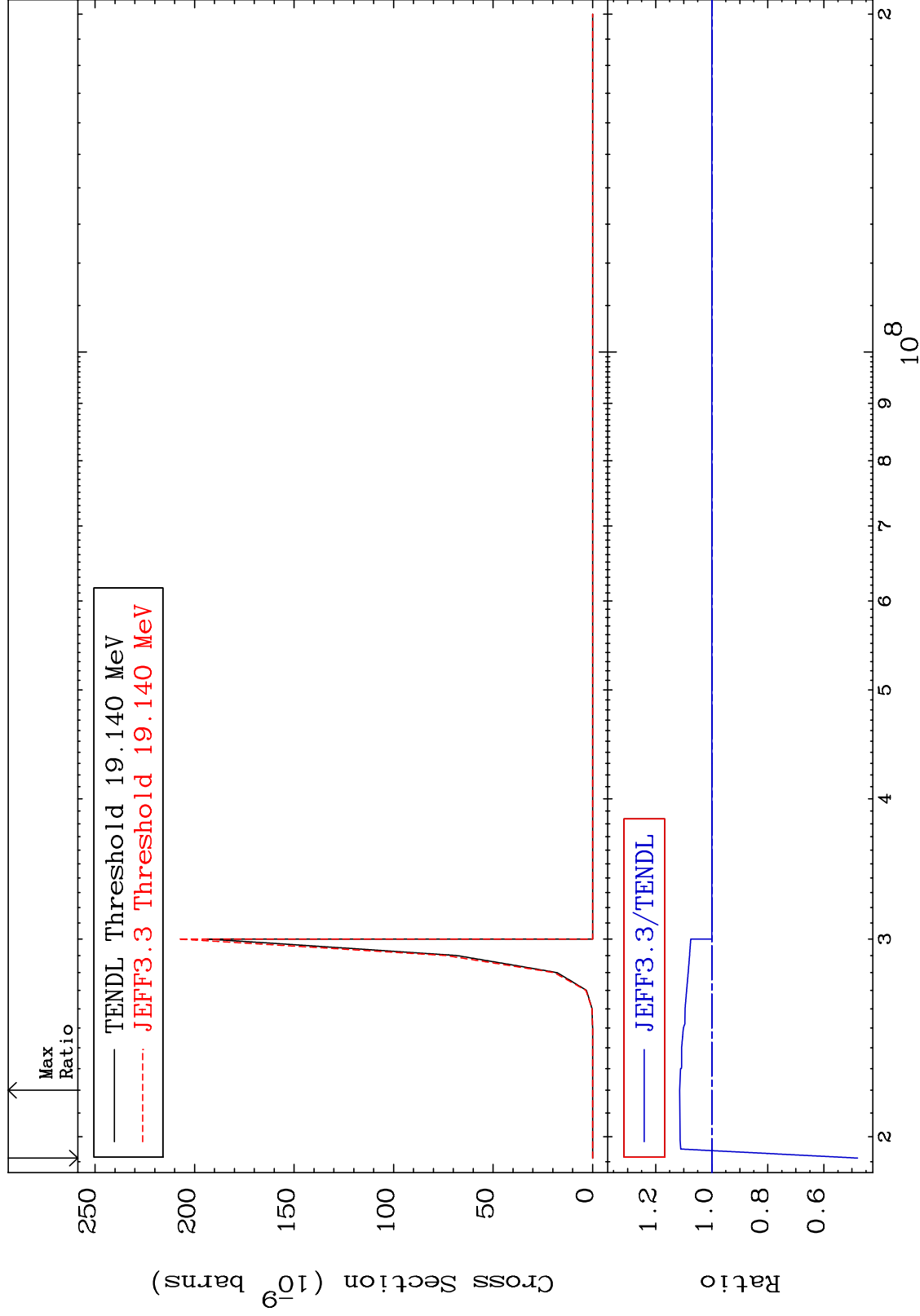


MAT 3725

(n,p) t:35-Br-82m1

37-Rb-85

Radionuclide Production Cross Section -52.01 To 11.43 %



81

Incident Energy (eV)

37-Rb-85