

Program Complot
(Version 2018-1)

by

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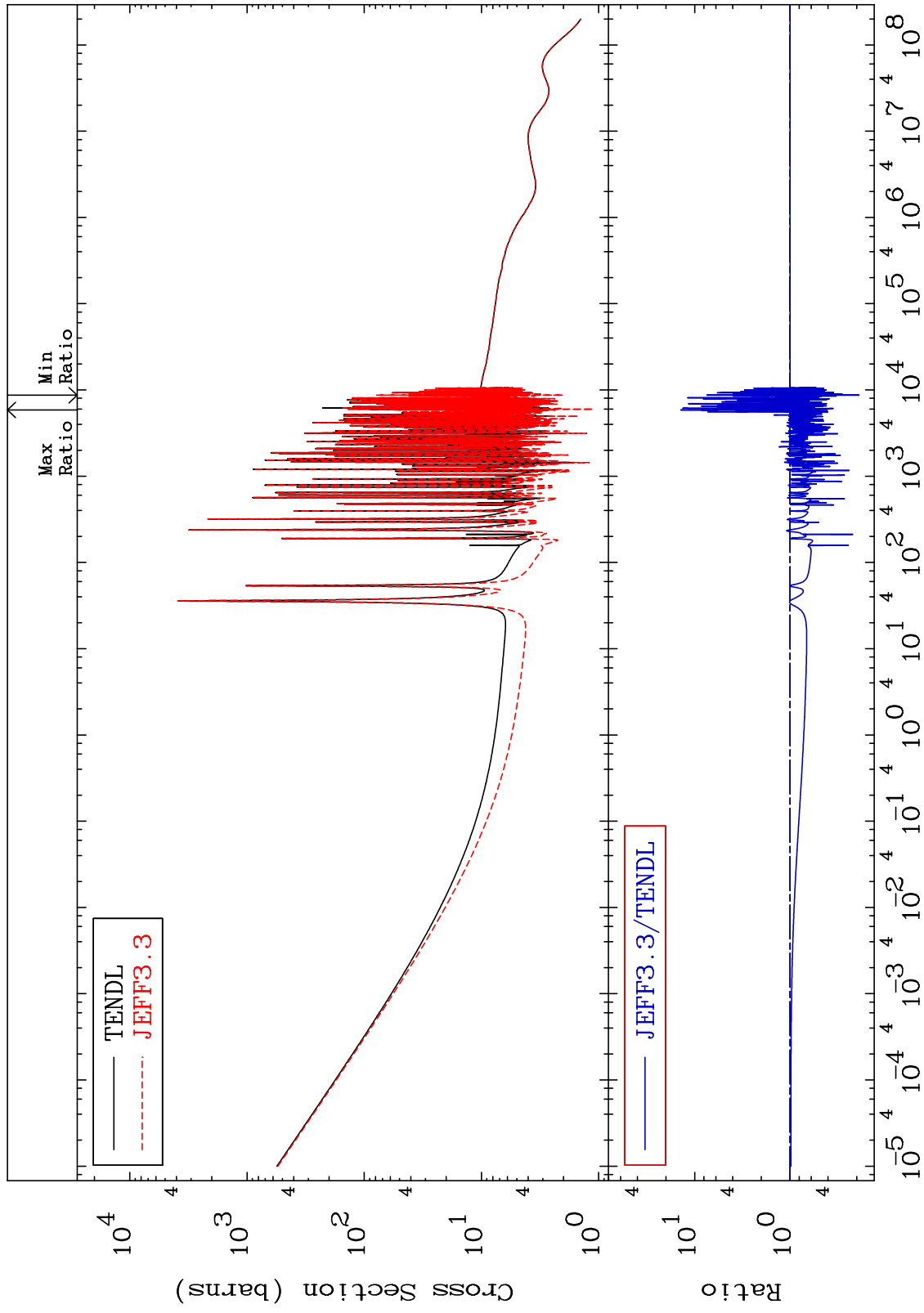
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3525

Total
Cross Section

35-Br-79
-81.07 To 1305. %



1

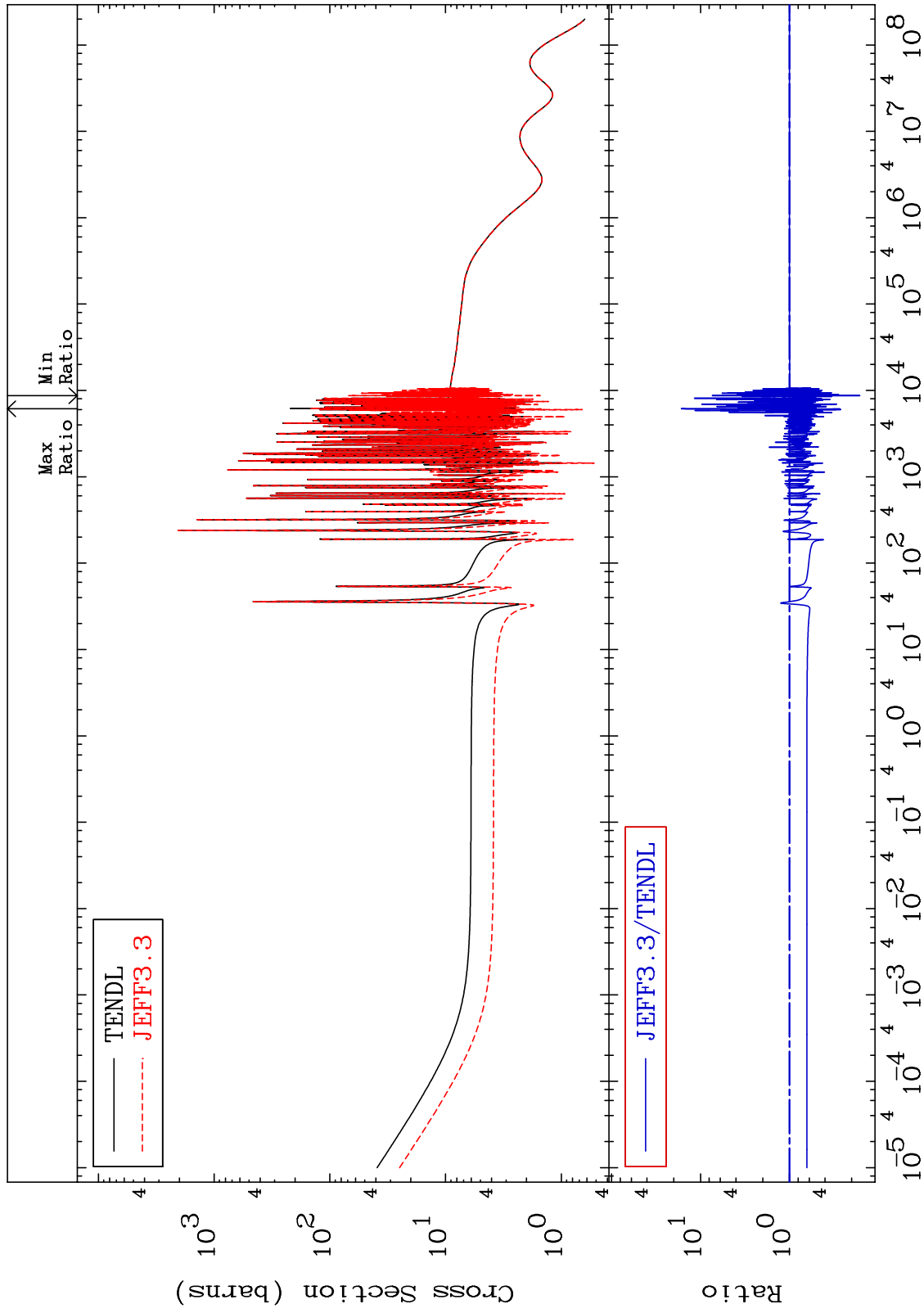
Incident Energy (eV)

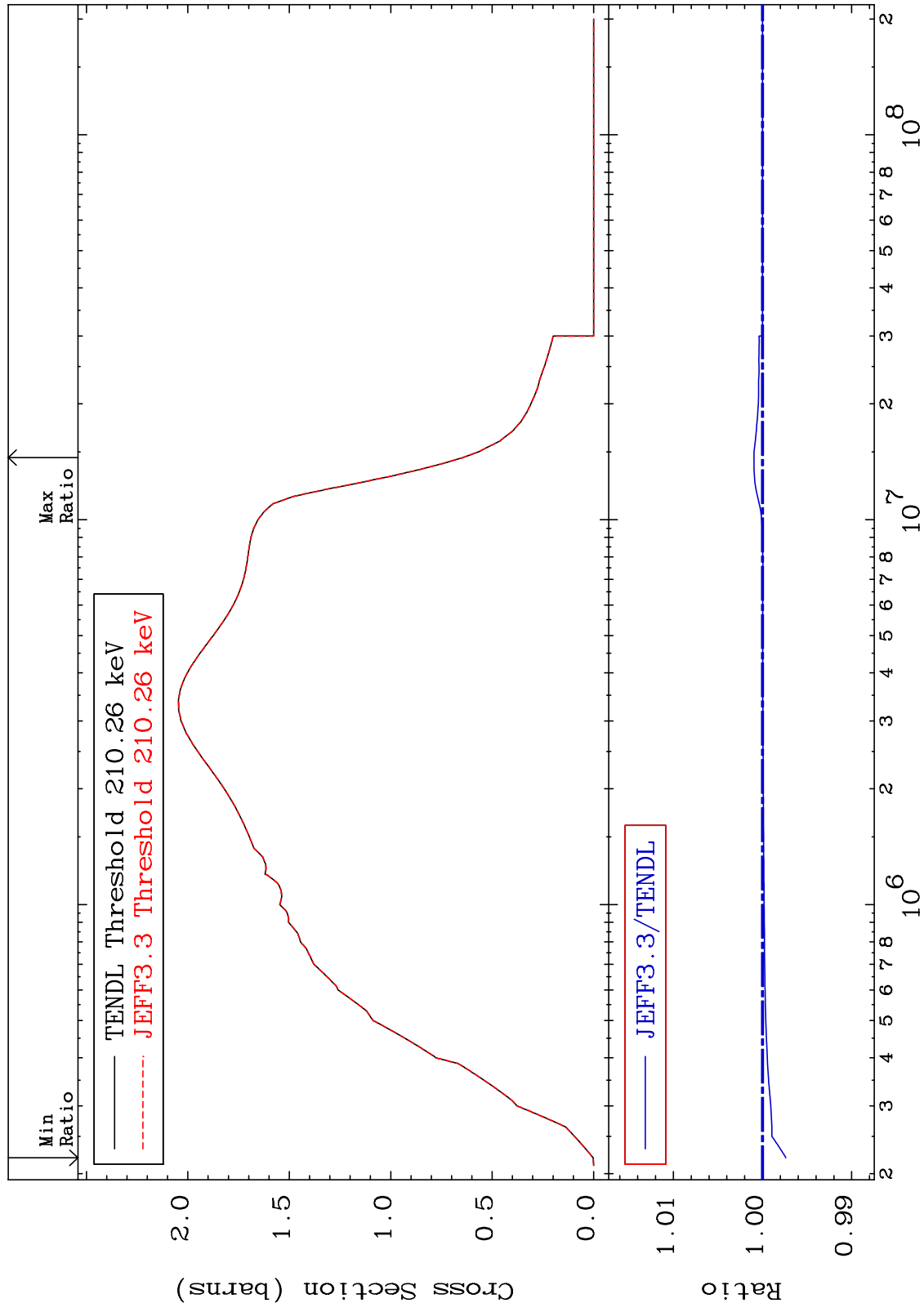
35-Br-79

MAT 3525

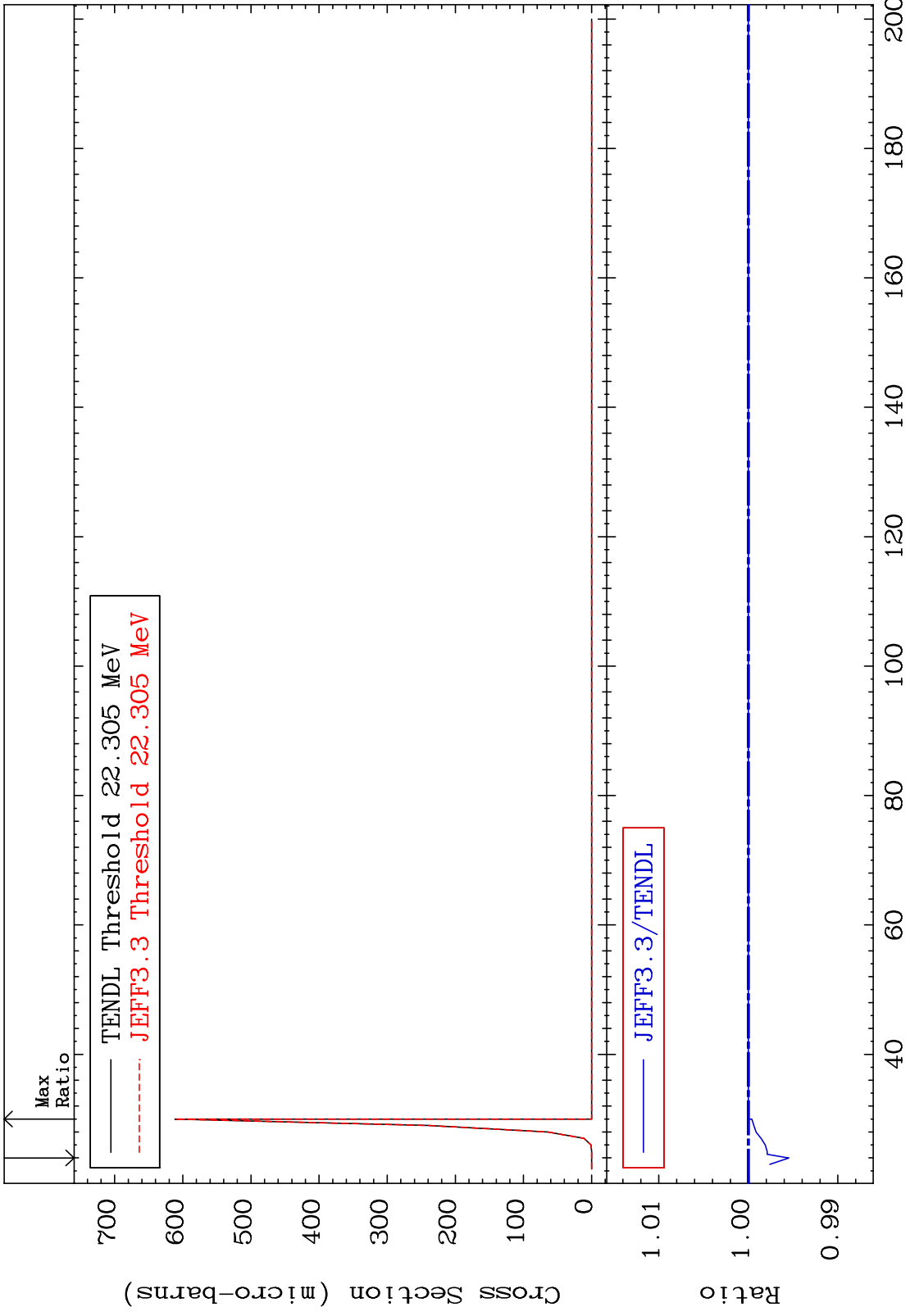
Elastic
Cross Section

35-Br-79
-83.76 To 1549. %

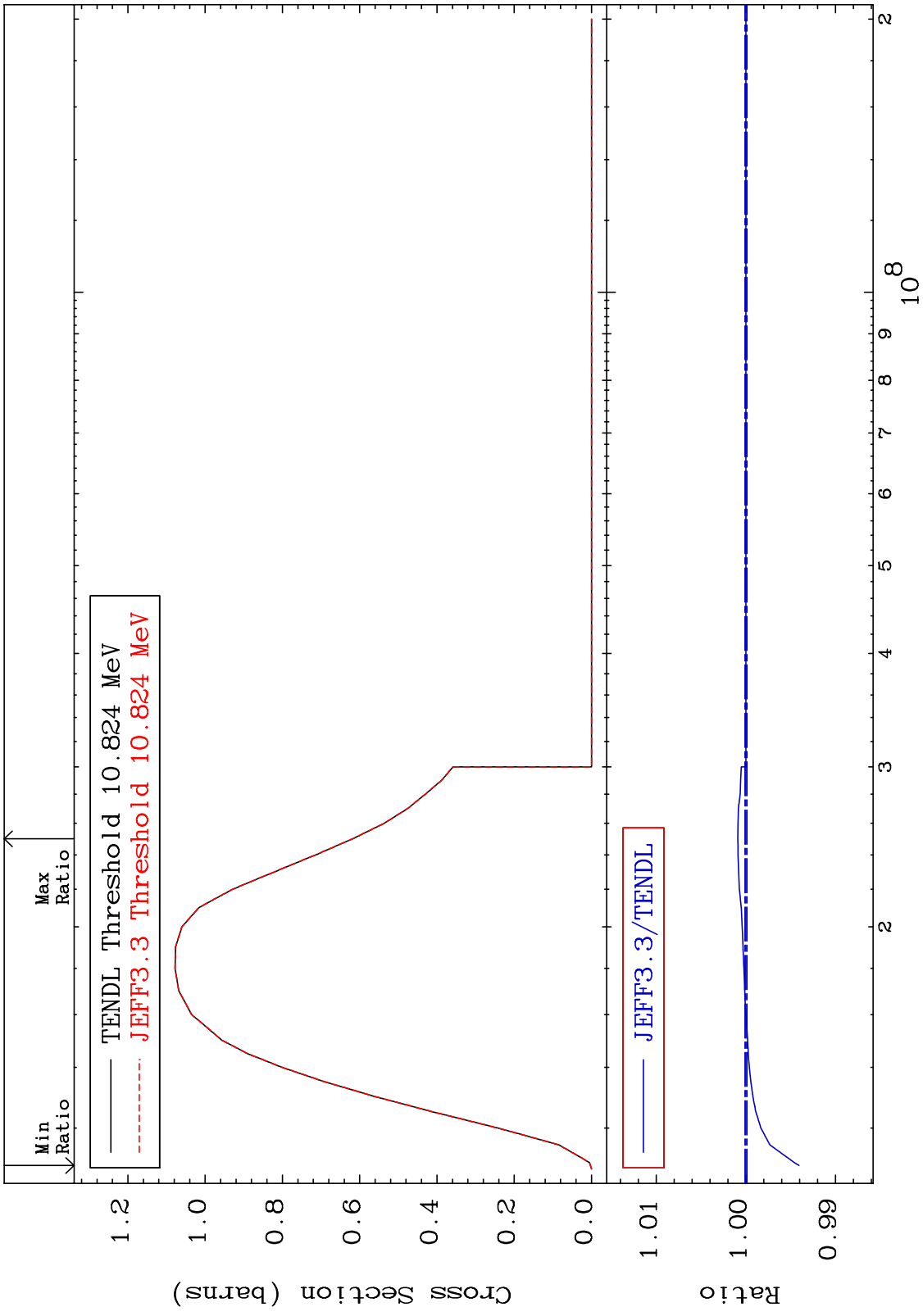




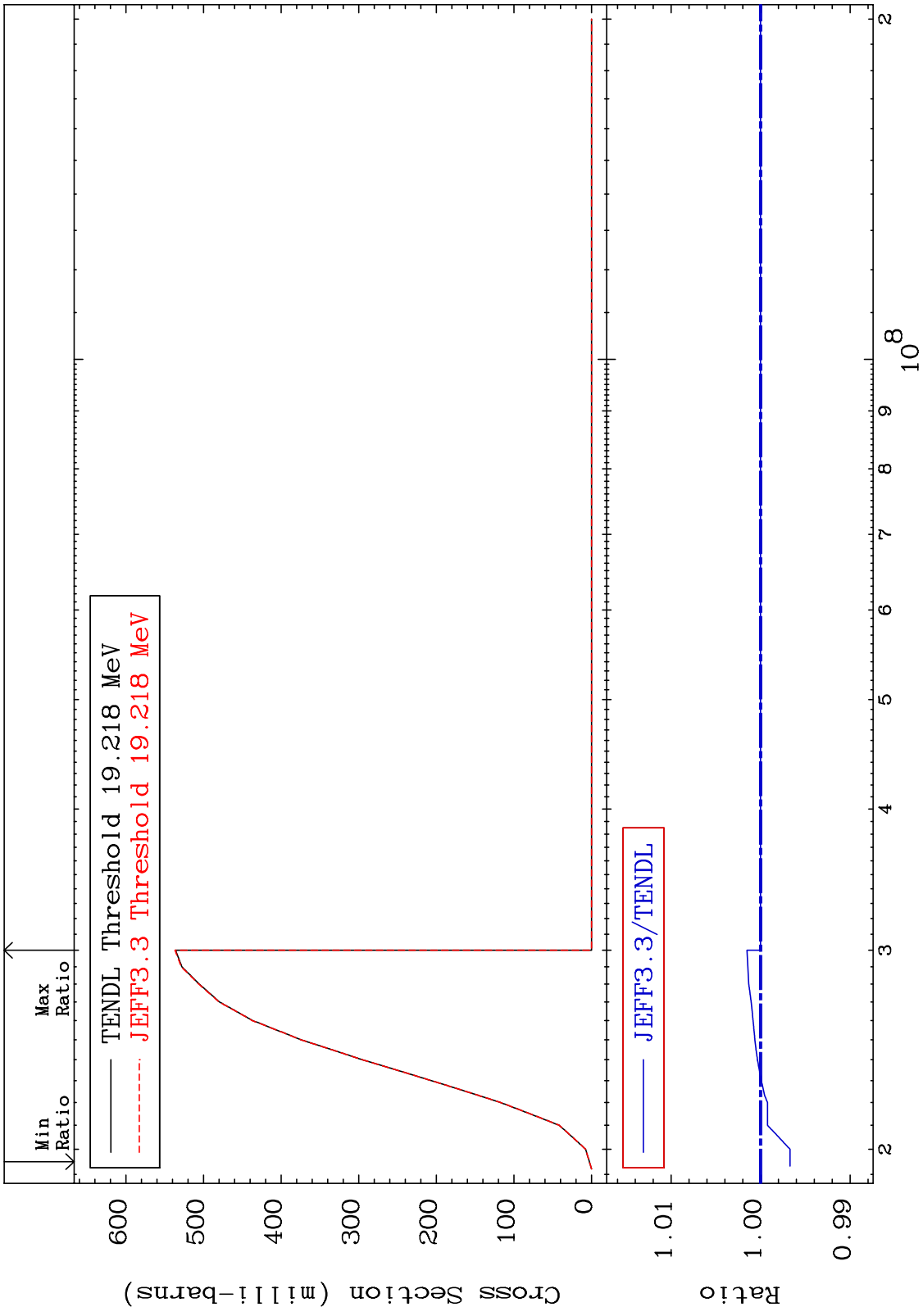
MAT 3525 (n,2n) d 35-Br-79
 Cross Section -0.452 To 0.000 %



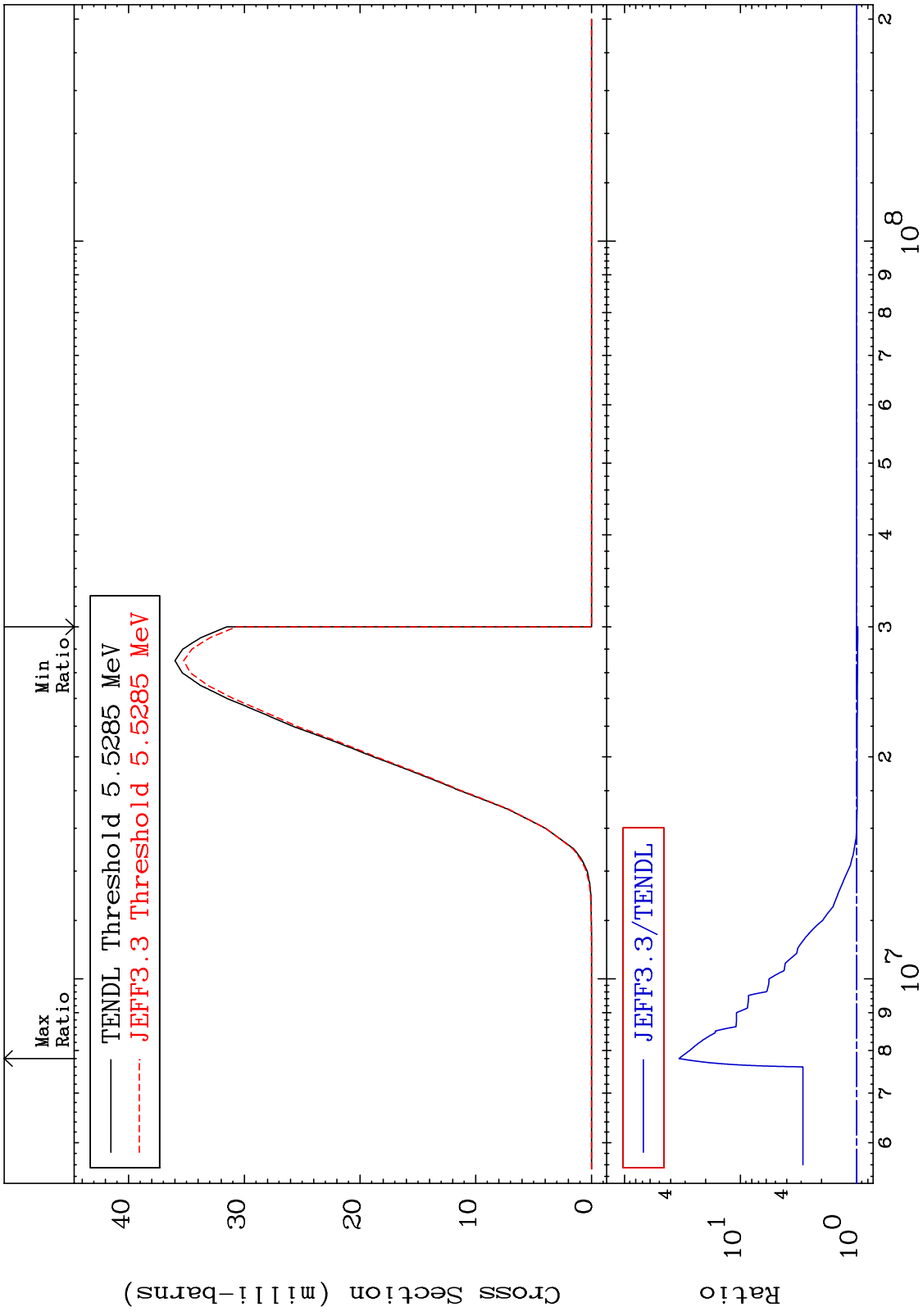
MAT 3525 $(n,2n)$ Cross Section 35-Br-79 -0.593 To 0.091 %



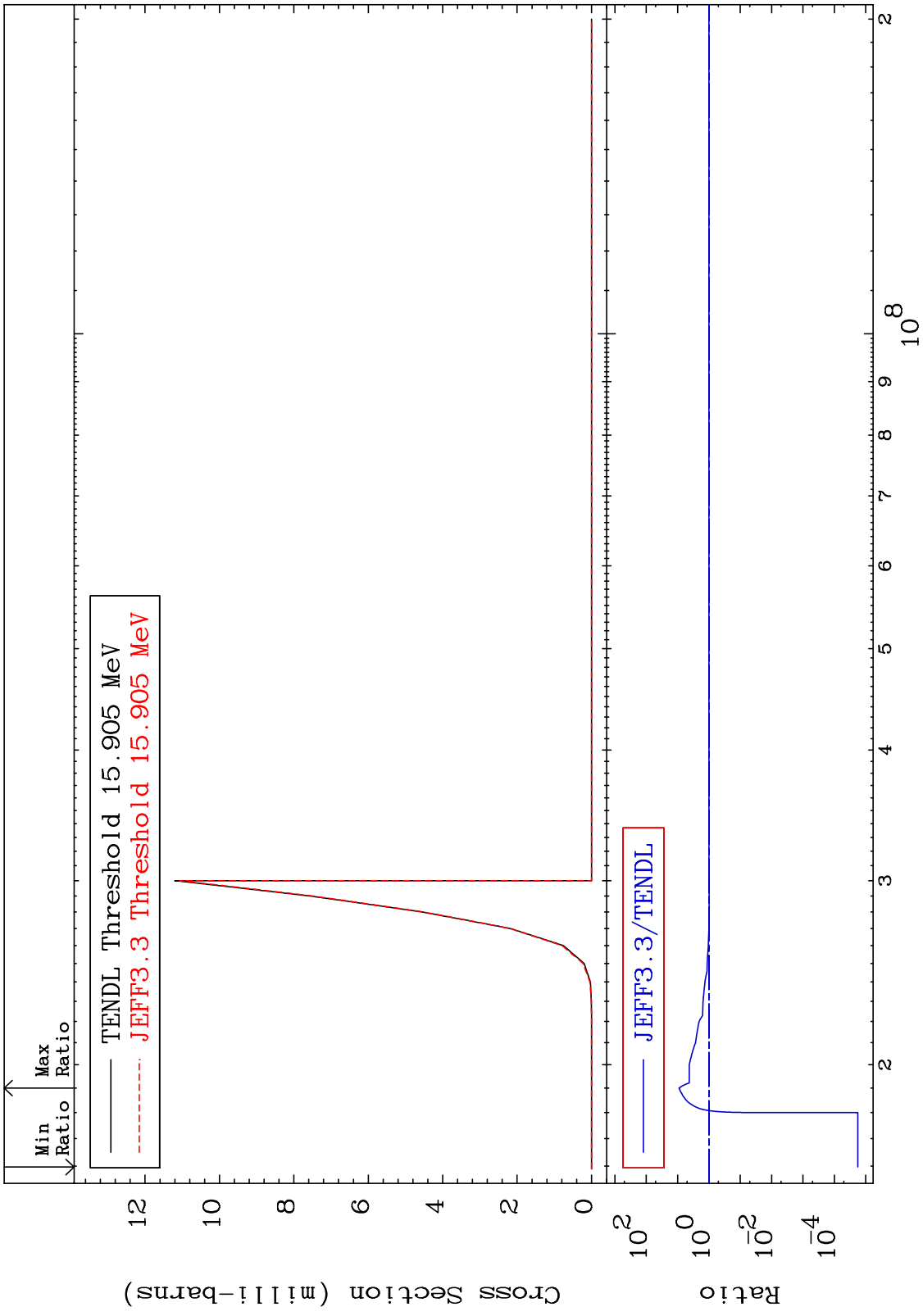
MAT 3525 $(n, 3n)$ 35-Br-79
 Cross Section -0.328 To 0.153 %



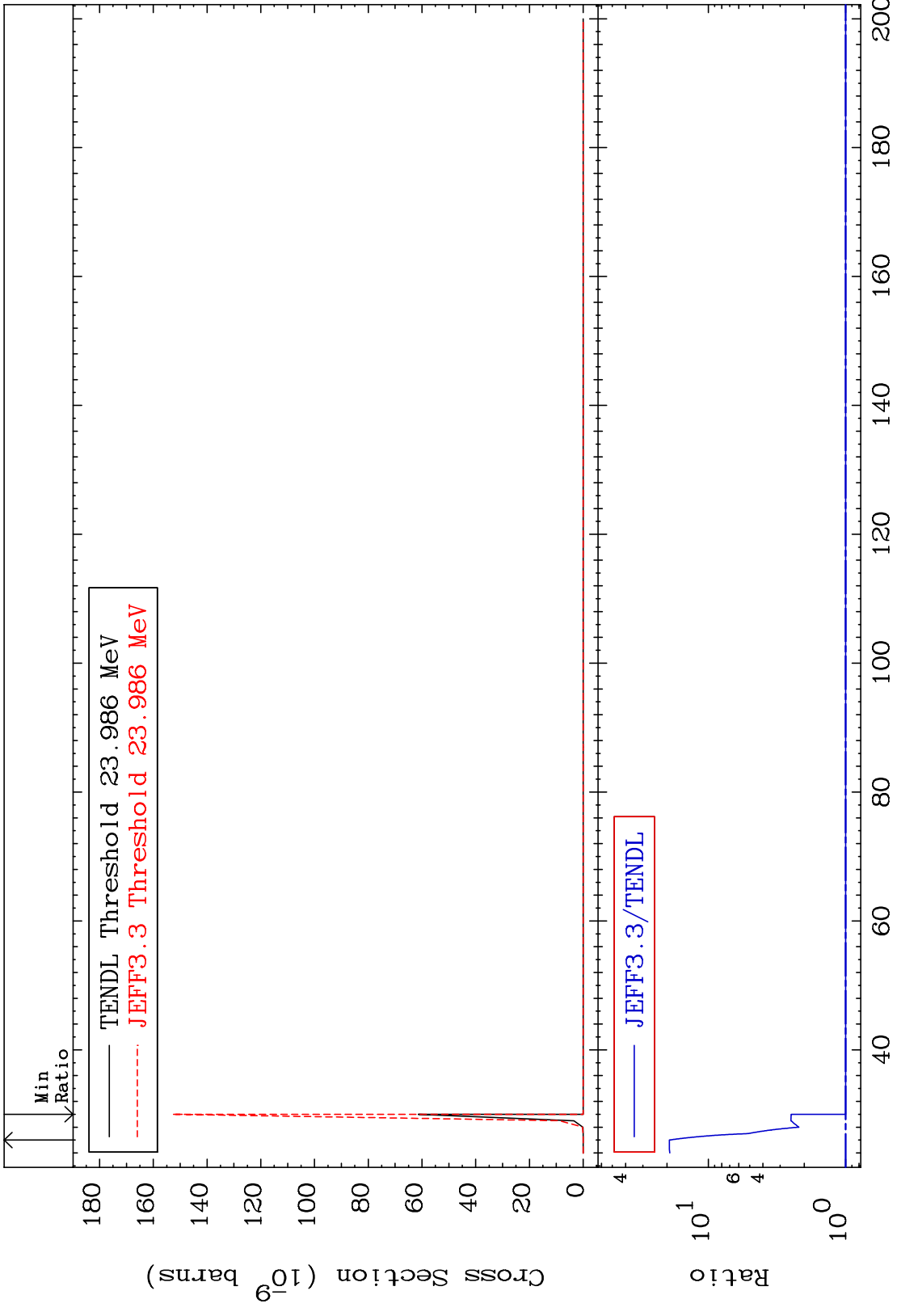
MAT 3525 $(n, n') \alpha$ 35-Br-79
 Cross Section -2.592 To 3284. %



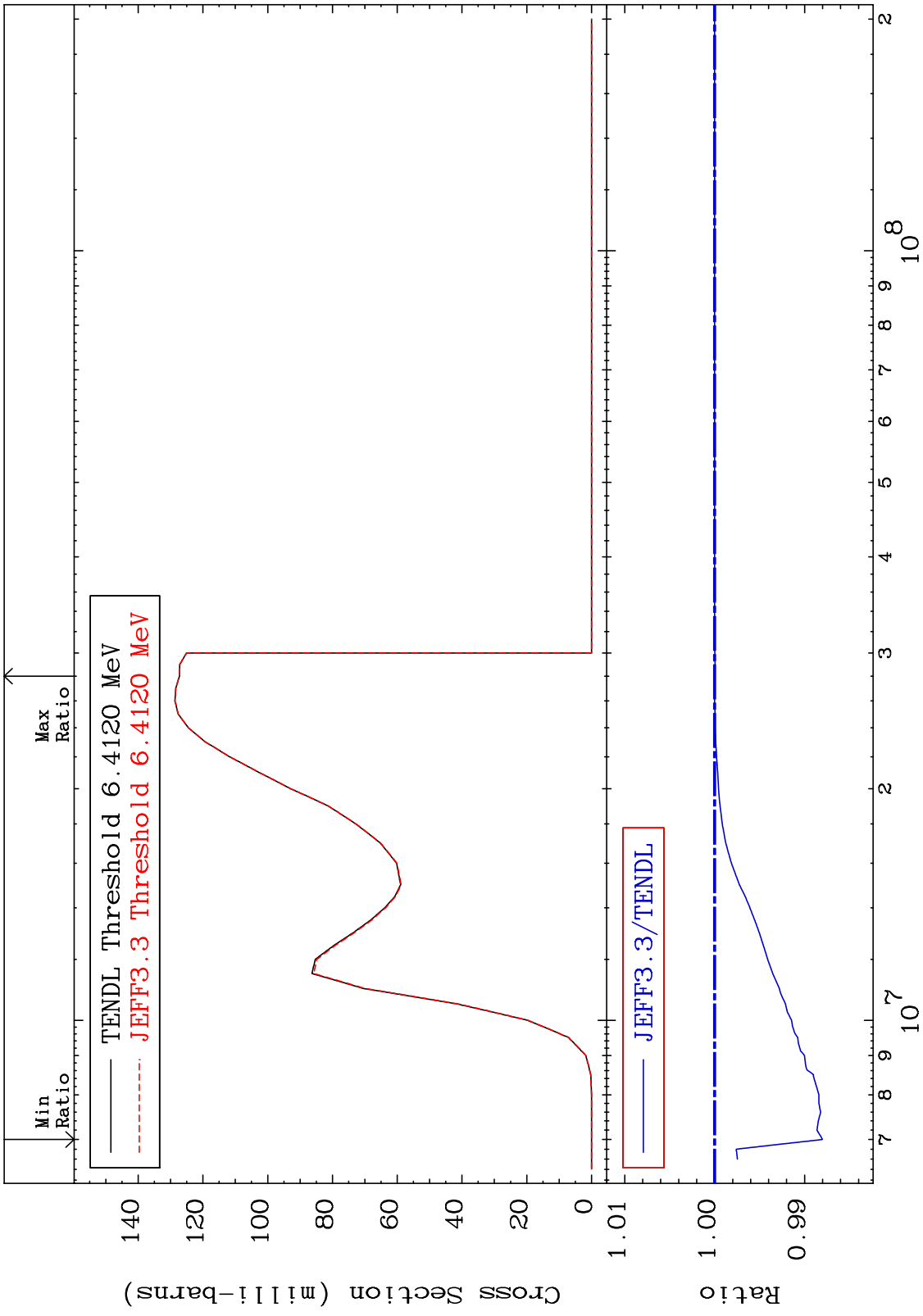
MAT 3525 $(n, 2n) \alpha$ 35-Br-79
 Cross Section -100.0 To 798.6 %



MAT 3525 $(n, 3n) \alpha$ 35-Br-79
 Cross Section 0.000 To 1819. %



MAT 3525 (n, n') p 35-Br-79
Cross Section -1.199 To 0.003 %

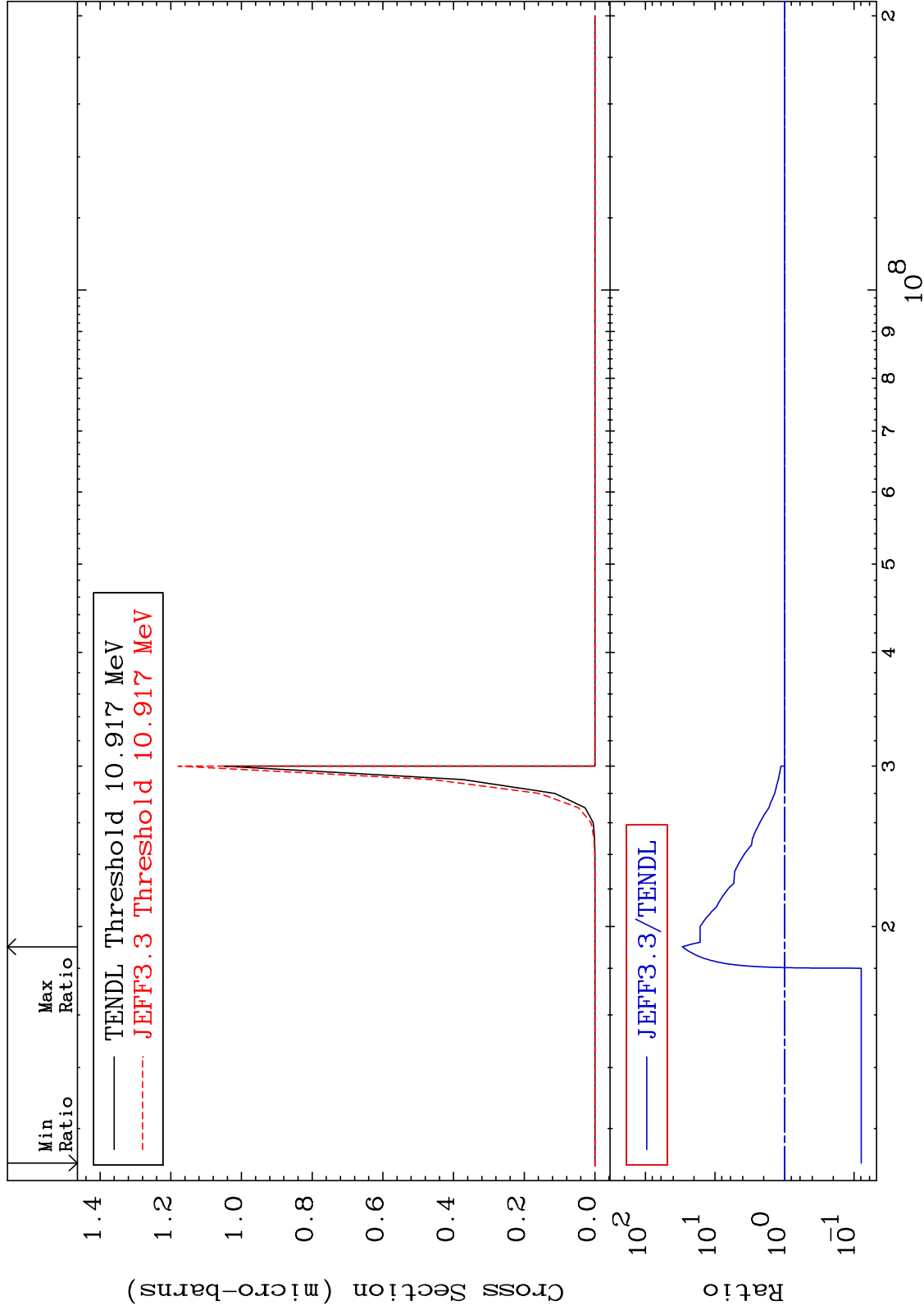


10 35-Br-79

MAT 3525

(n,n') 2α
Cross Section

35-Br-79
-92.12 To 2837. %



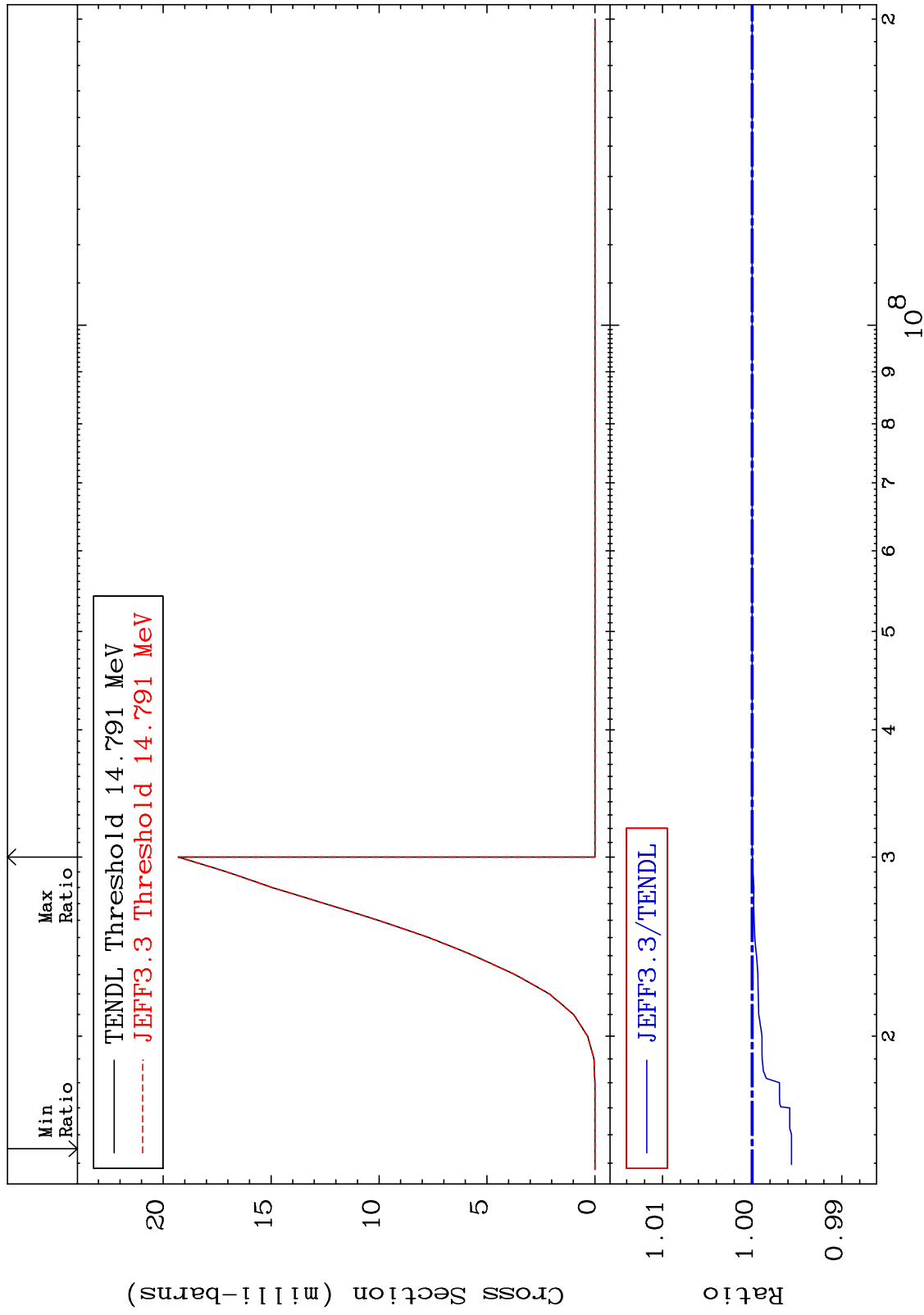
MAT 3525

(n, n') d

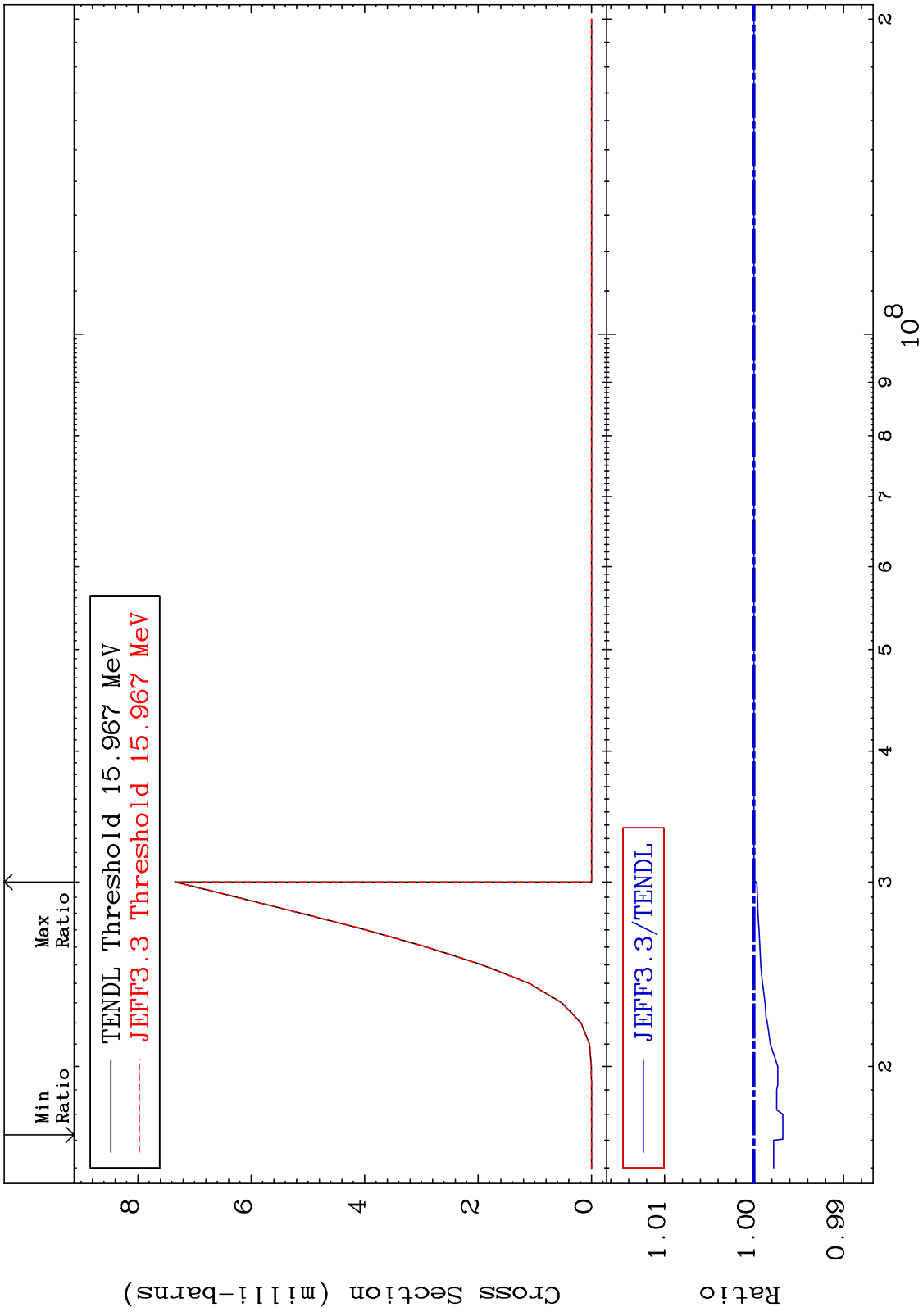
35-Br-79

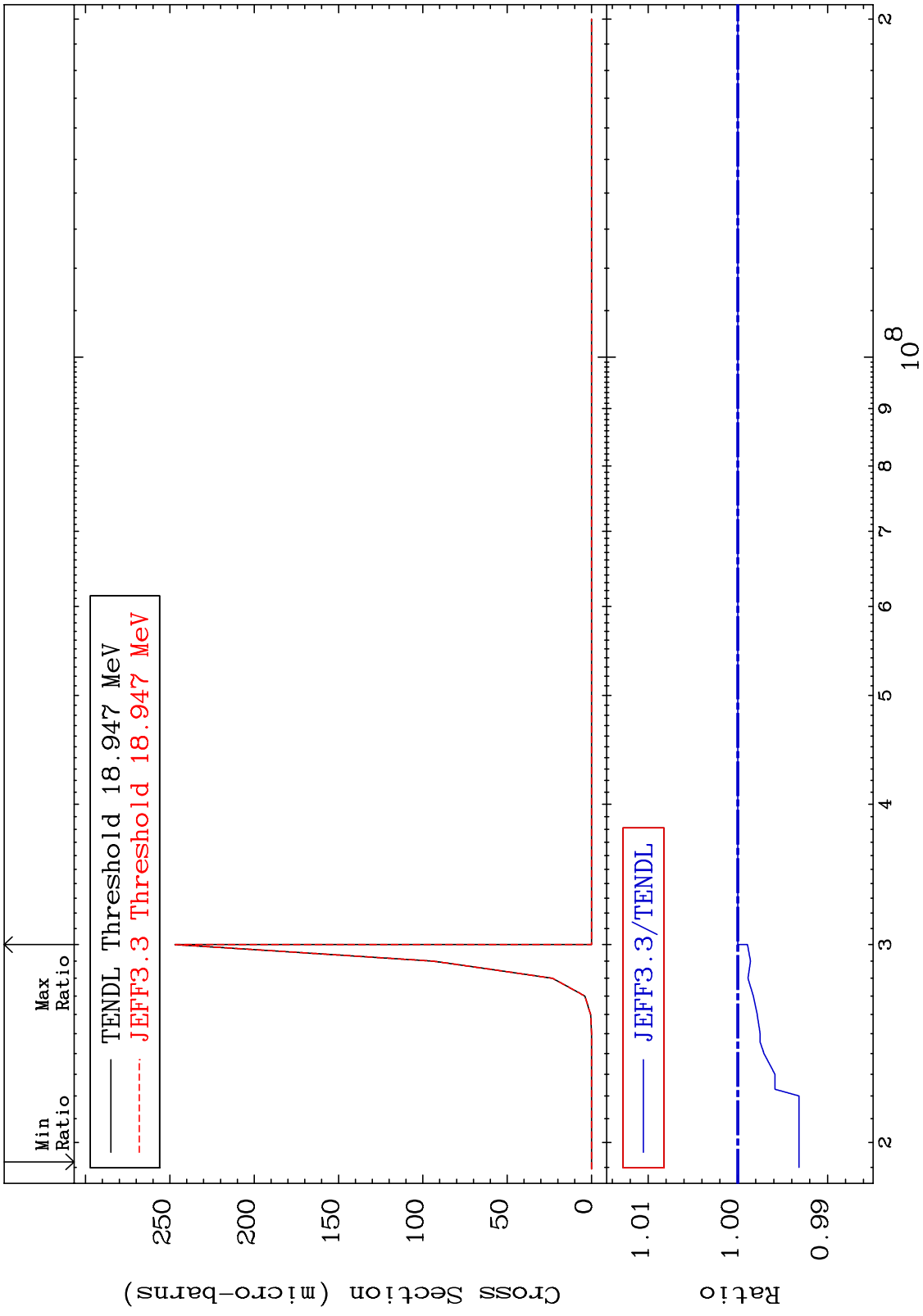
Cross Section

-0.440 To 0.000 %

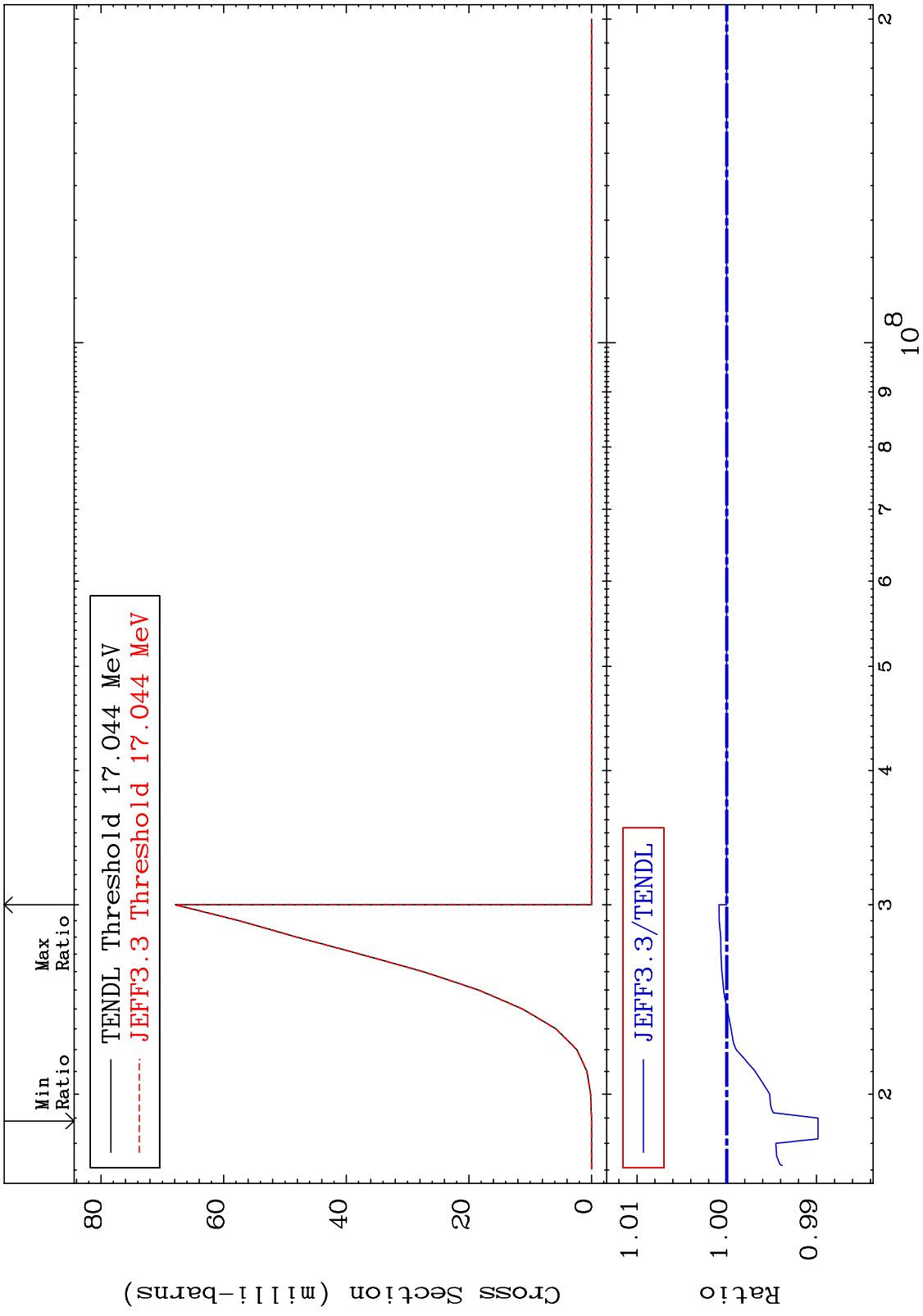


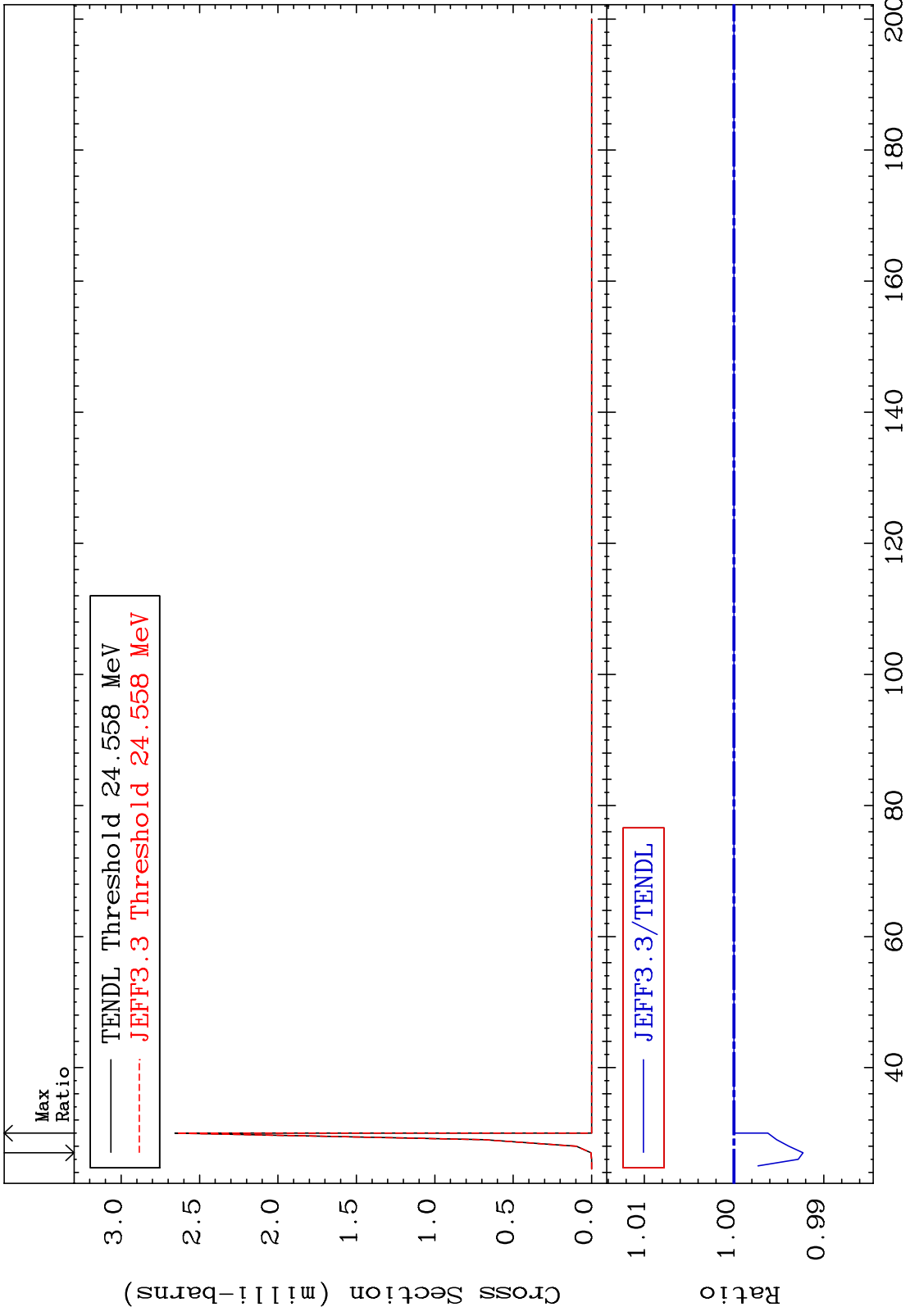
MAT 3525 (n, n') t 35-Br-79
 Cross Section -0.322 To 0.000 %



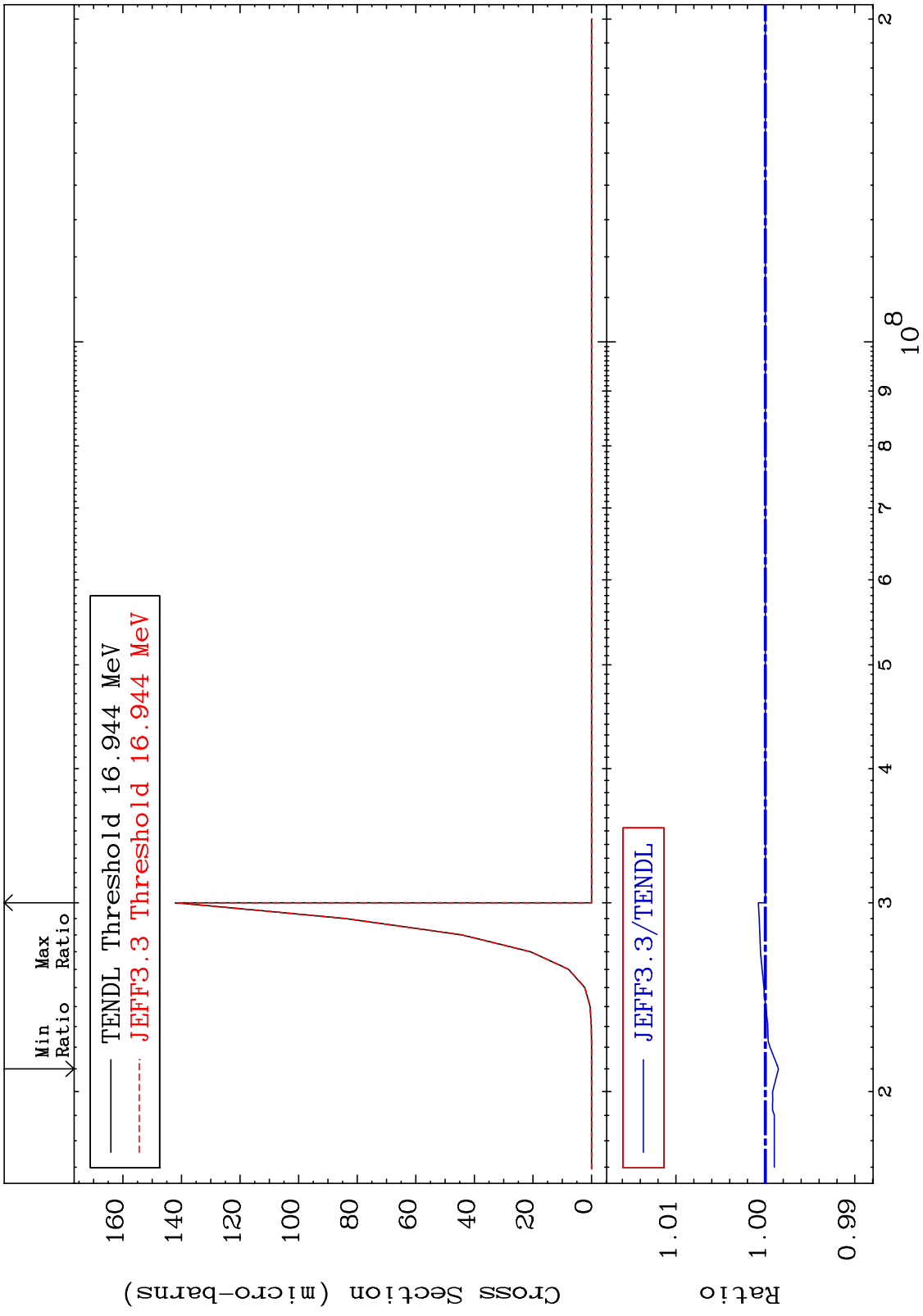


MAT 3525 $(n, 2n) p$ 35-Br-79
 Cross Section -1.016 To 0.087 %

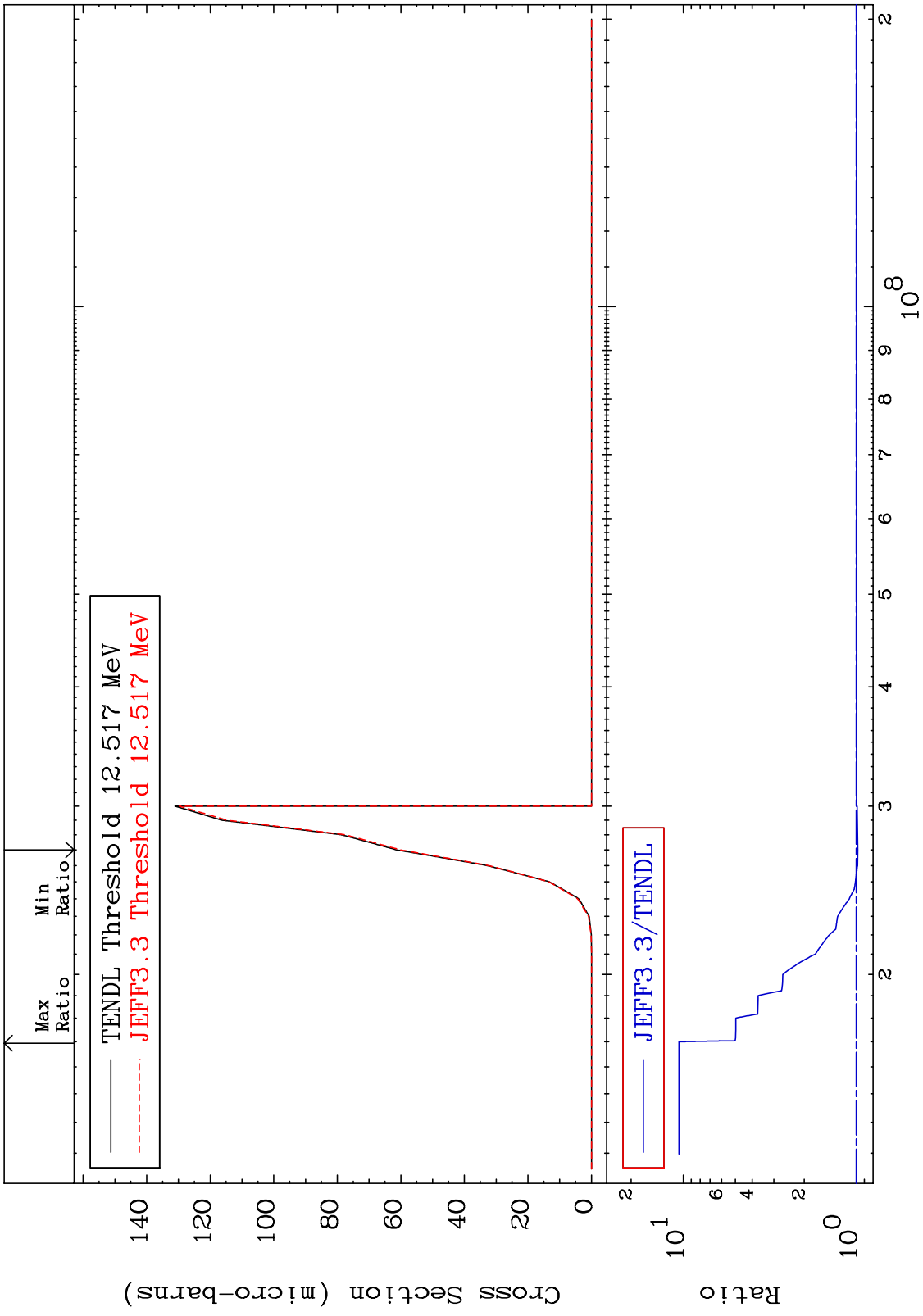




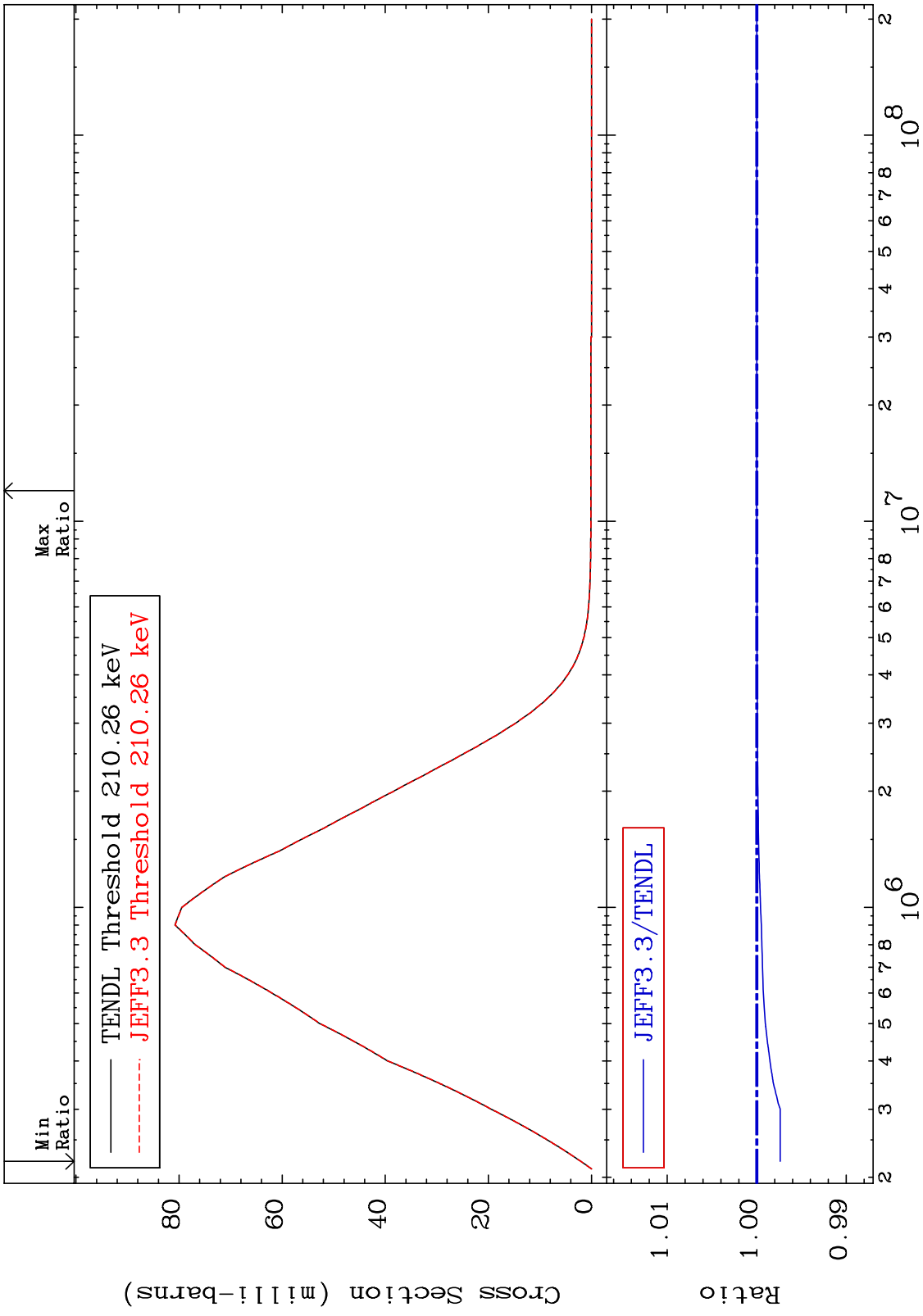
MAT 3525 $(n, 2n)$ p $^{35}\text{Br-79}$
 Cross Section -0.146 To 0.078 %



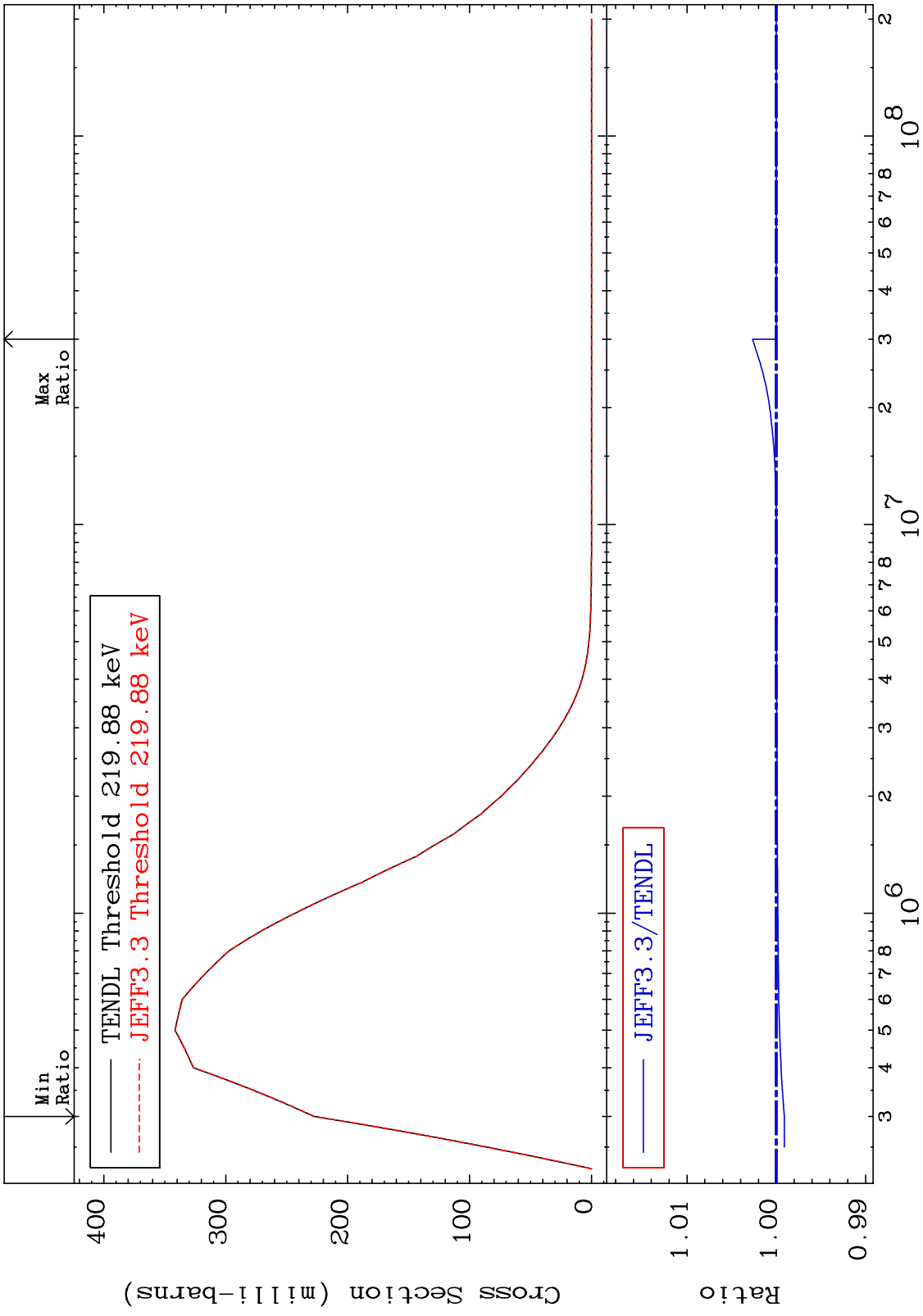
MAT 3525 (n,n') p α 35-Br-79
 Cross Section -1.932 To 958.3 %



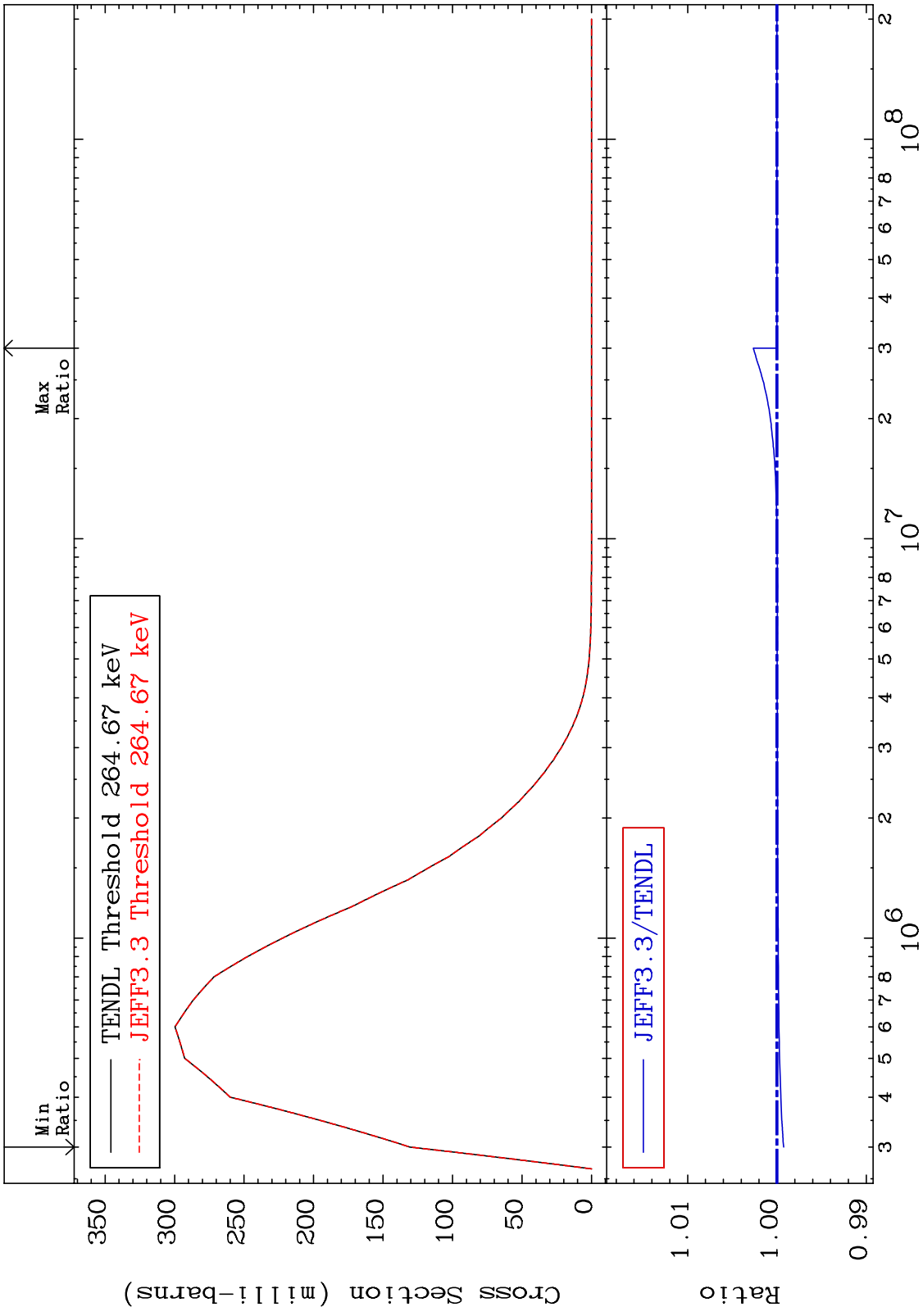
MAT 3525 MT= 51 (n,n') Level Cross Section -0.262 To 0.000 % 35-Br-79



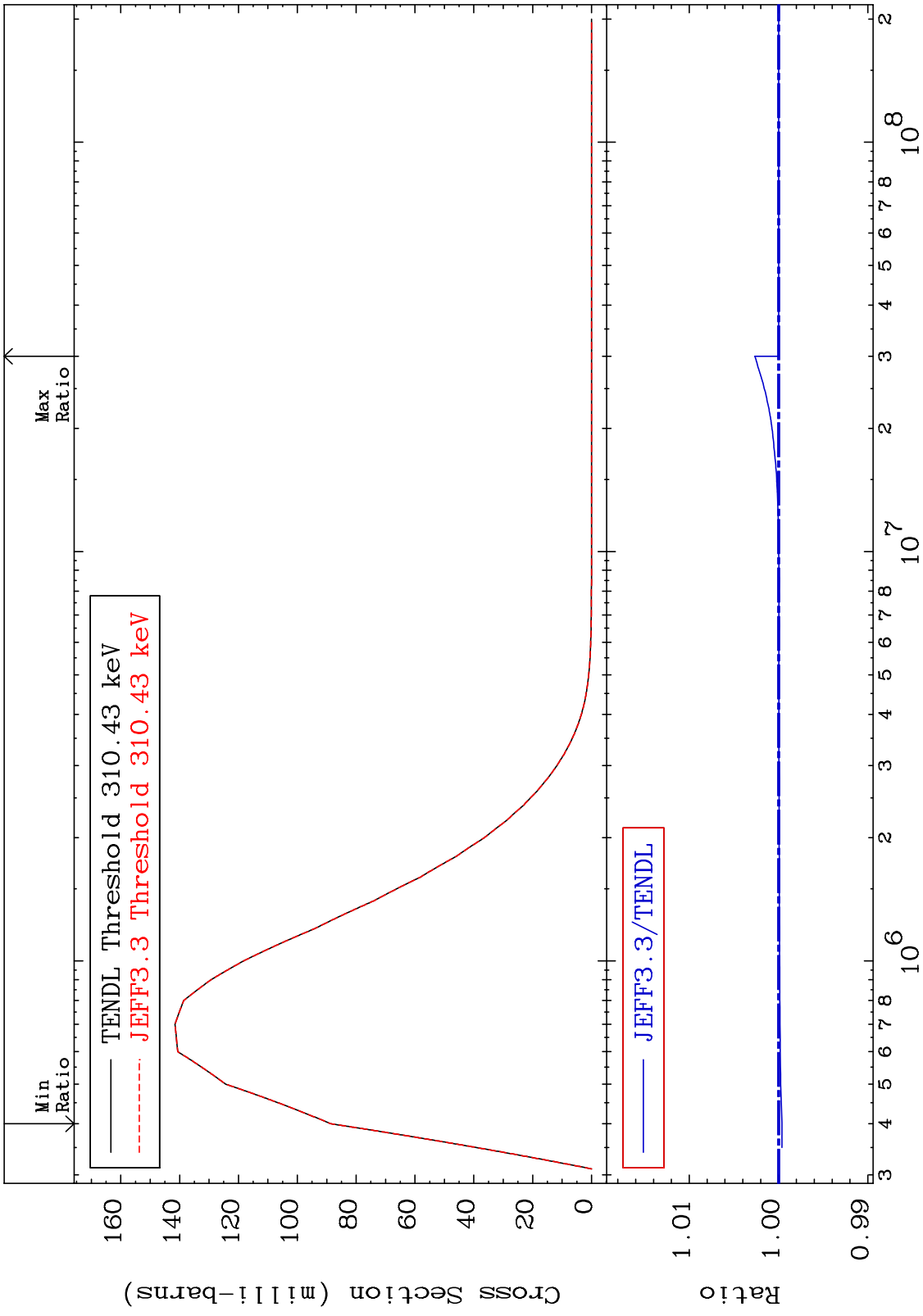
MAT 3525 MT= 52 (n,n') Level Cross Section 35-Br-79
 -0.090 To 0.266 %



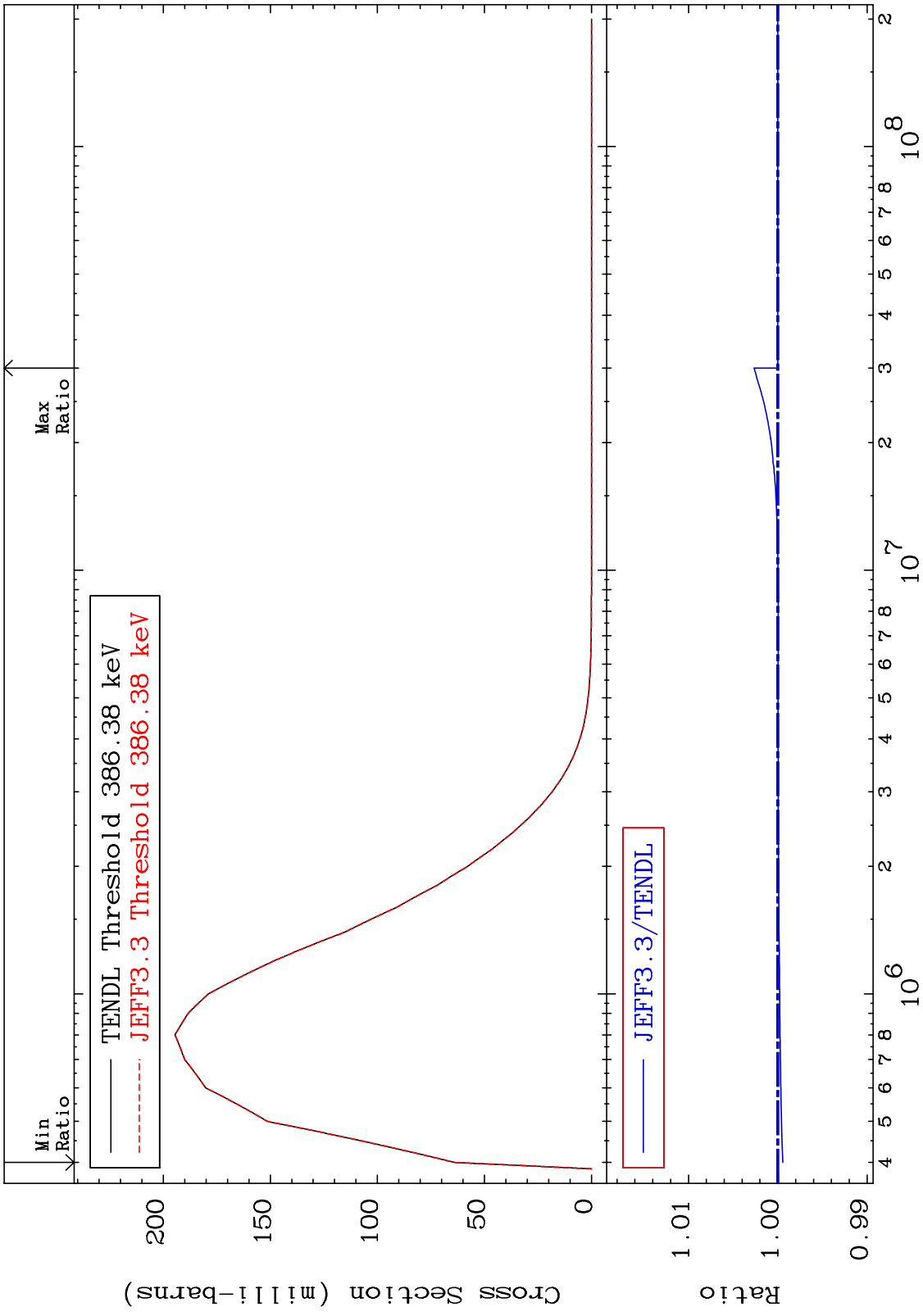
MAT 3525 MT= 53 (n,n') Level Cross Section 35-Br-79
 -0.075 To 0.265 %



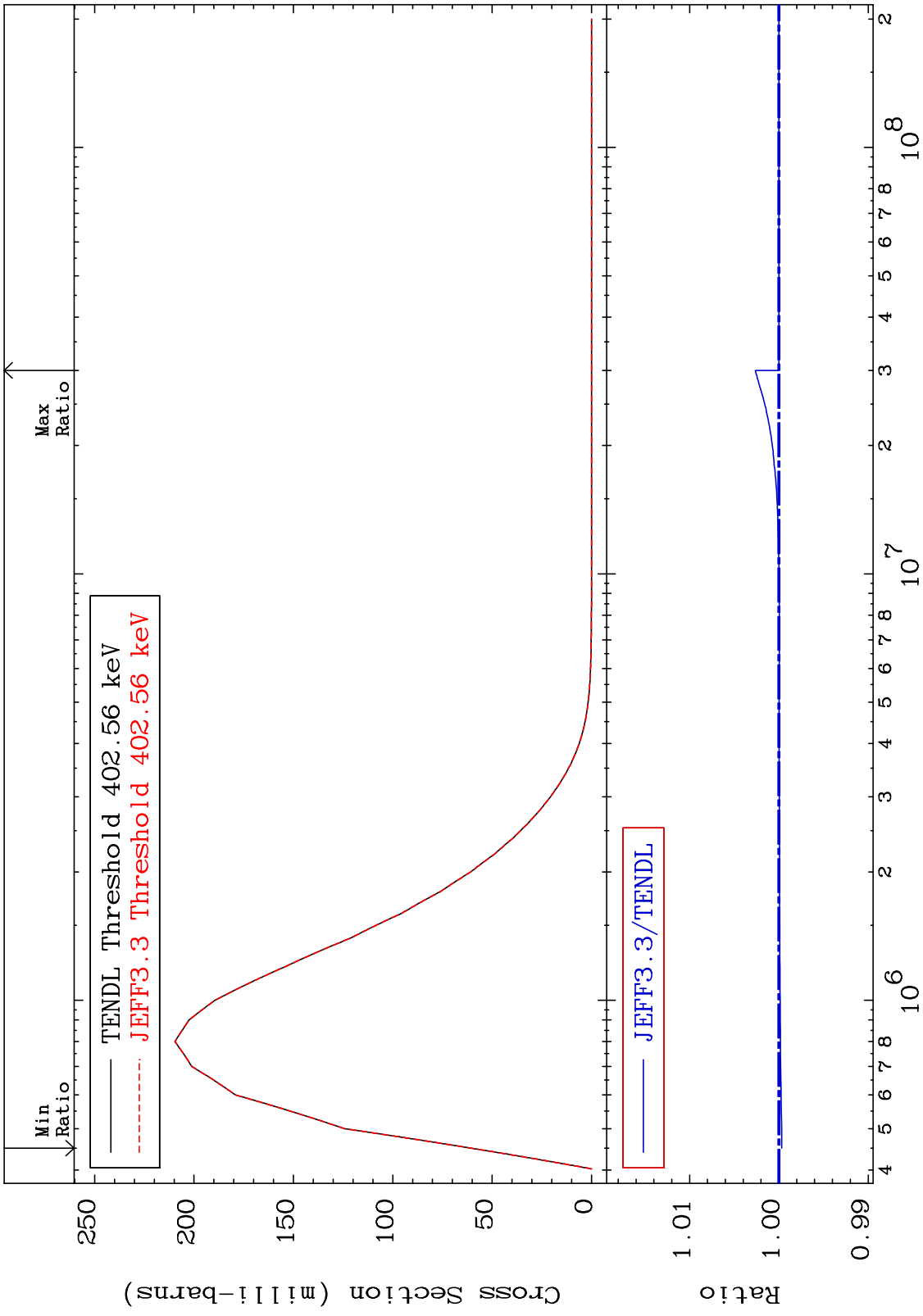
MAT 3525 MT= 54 (n,n') Level Cross Section 35-Br-79 -0.038 To 0.265 %



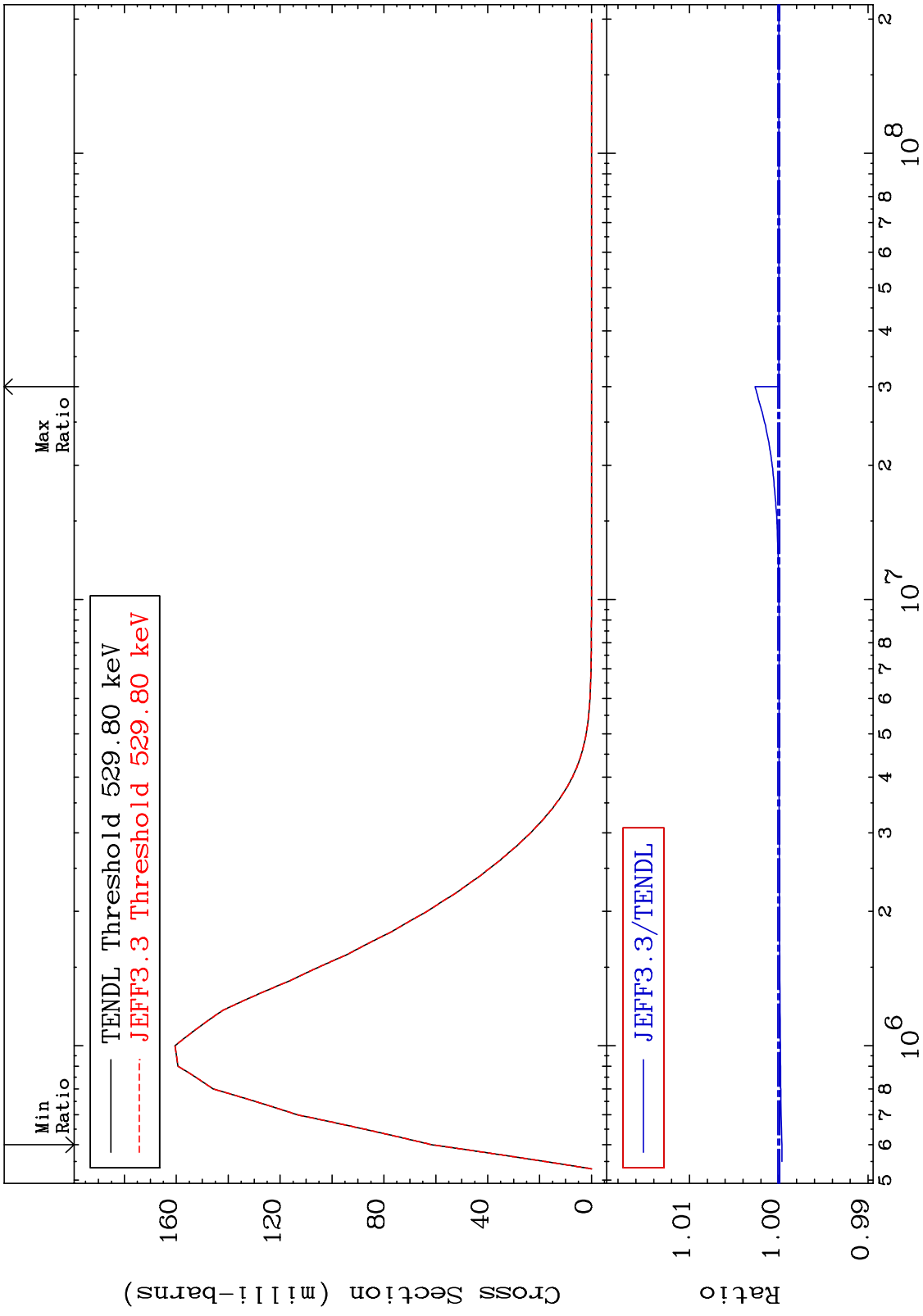
MAT 3525 MT= 55 (n,n') Level Cross Section 35-Br-79
 -0.056 To 0.266 %



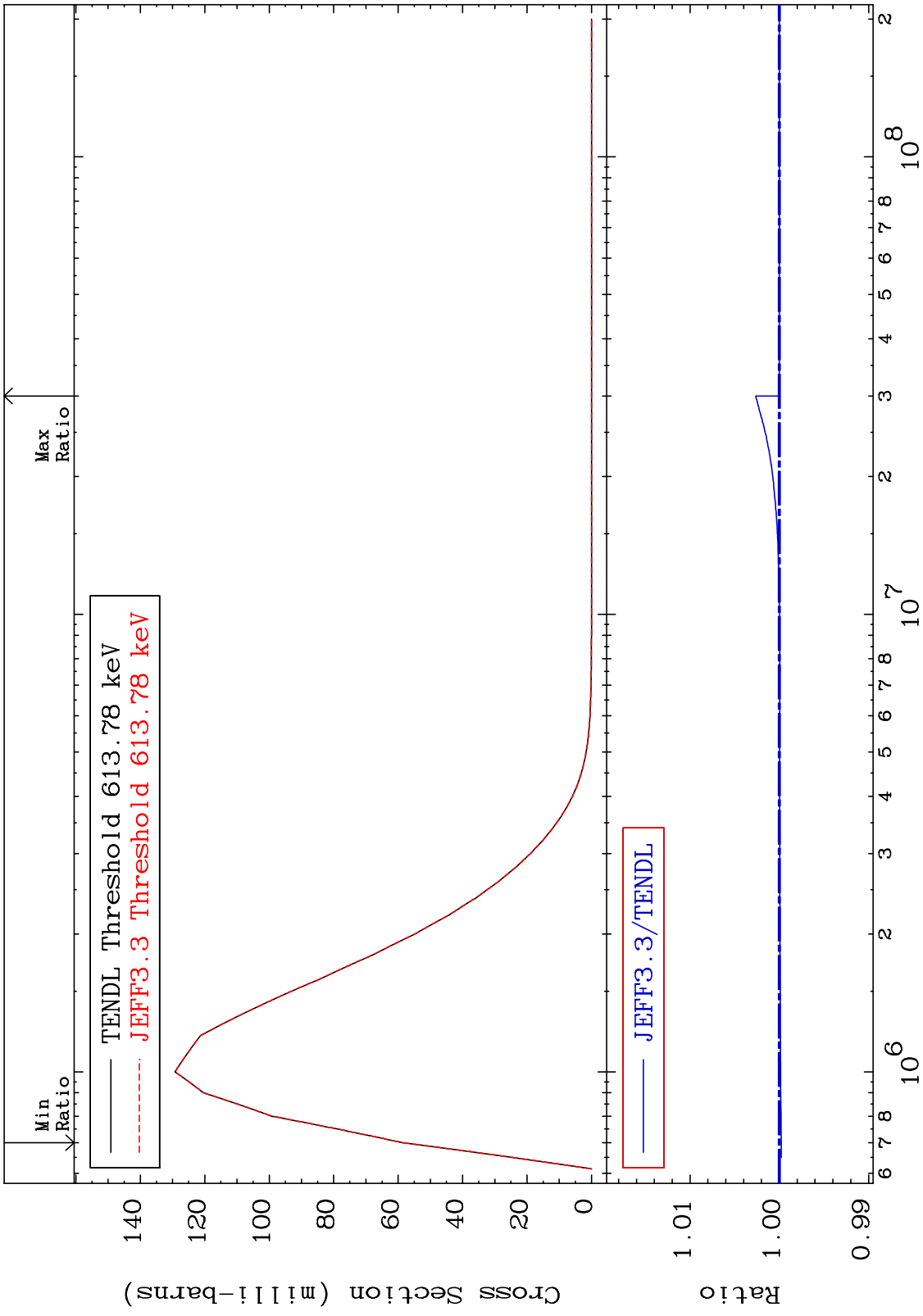
MAT 3525 MT= 56 (n,n') Level Cross Section 35-Br-79
 -0.031 To 0.265 %



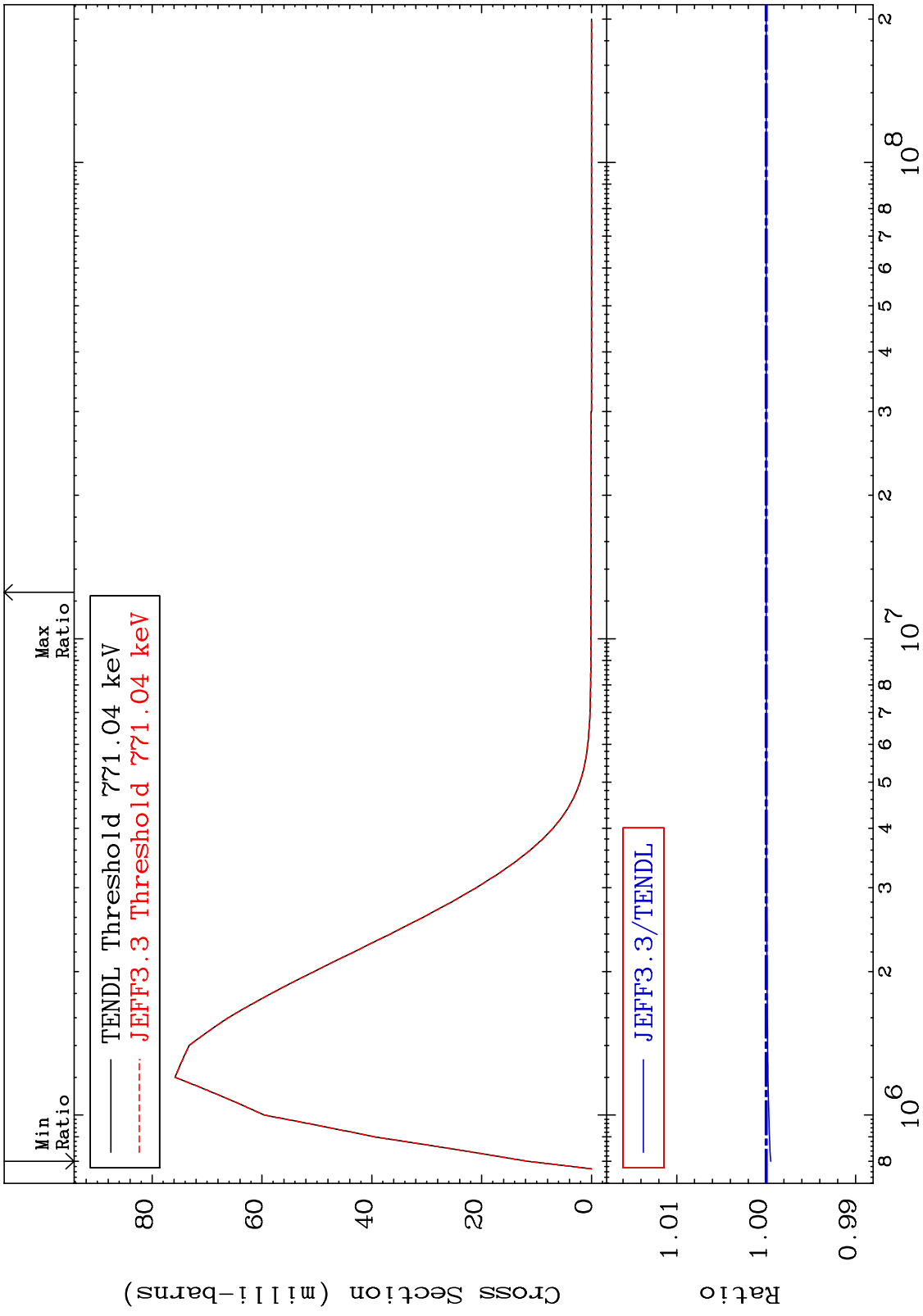
MAT 3525 MT= 57 (n,n') Level Cross Section 35-Br-79
 -0.034 To 0.266 %



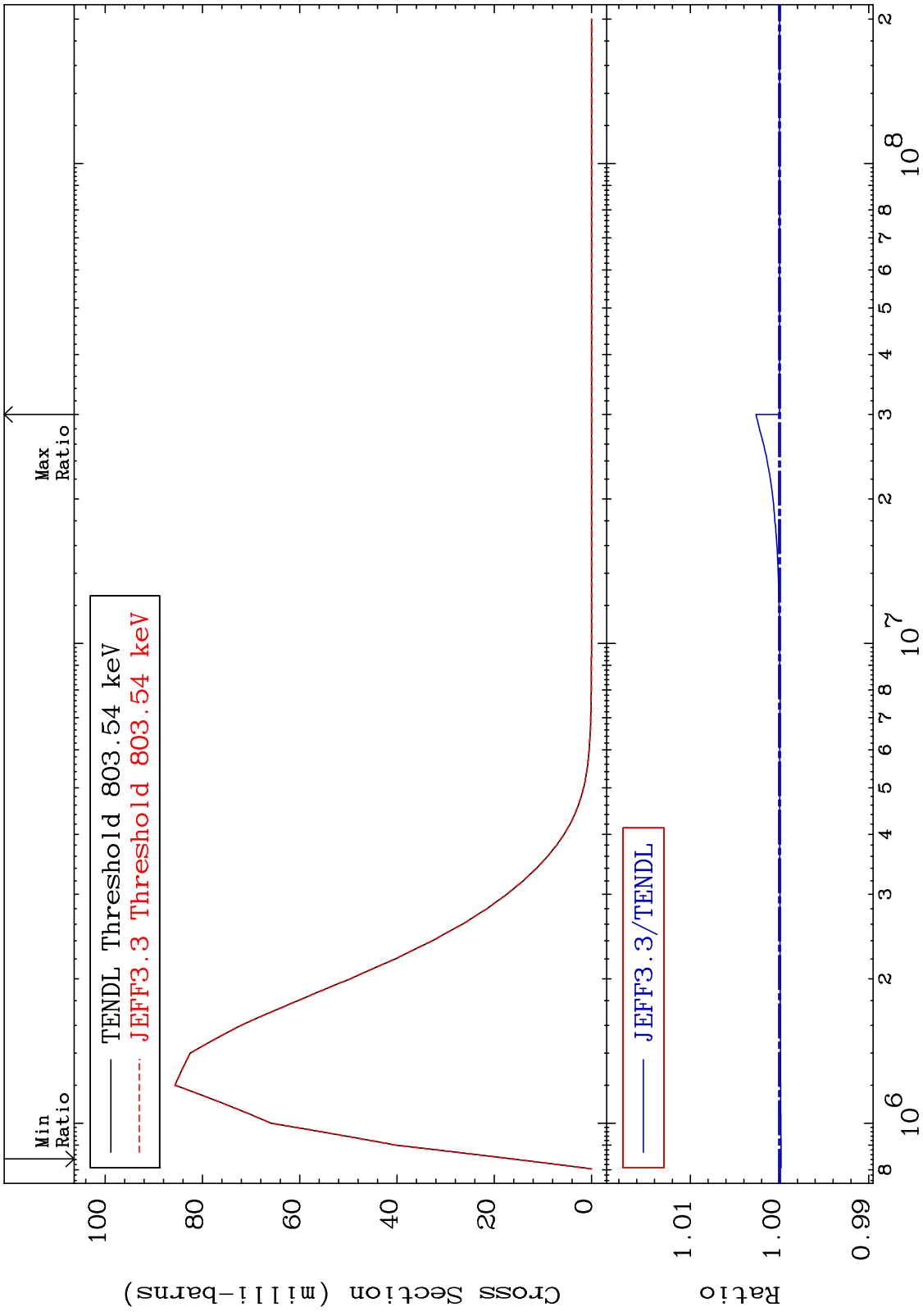
MAT 3525 MT= 58 (n,n') Level Cross Section 35-Br-79
 -0.022 To 0.266 %



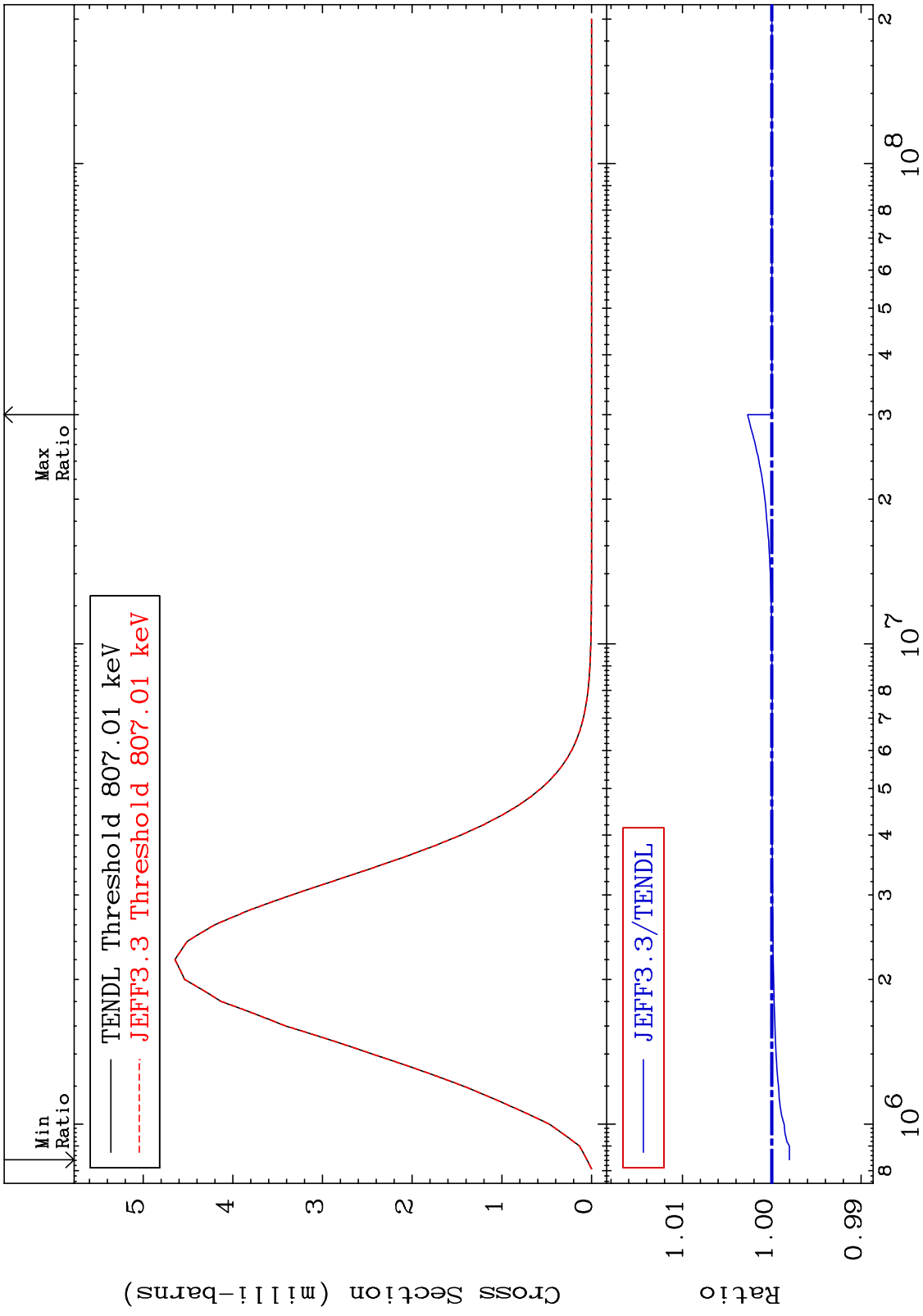
MAT 3525 MT= 59 (n,n') Level Cross Section -0.052 To 0.000 % 35-Br-79



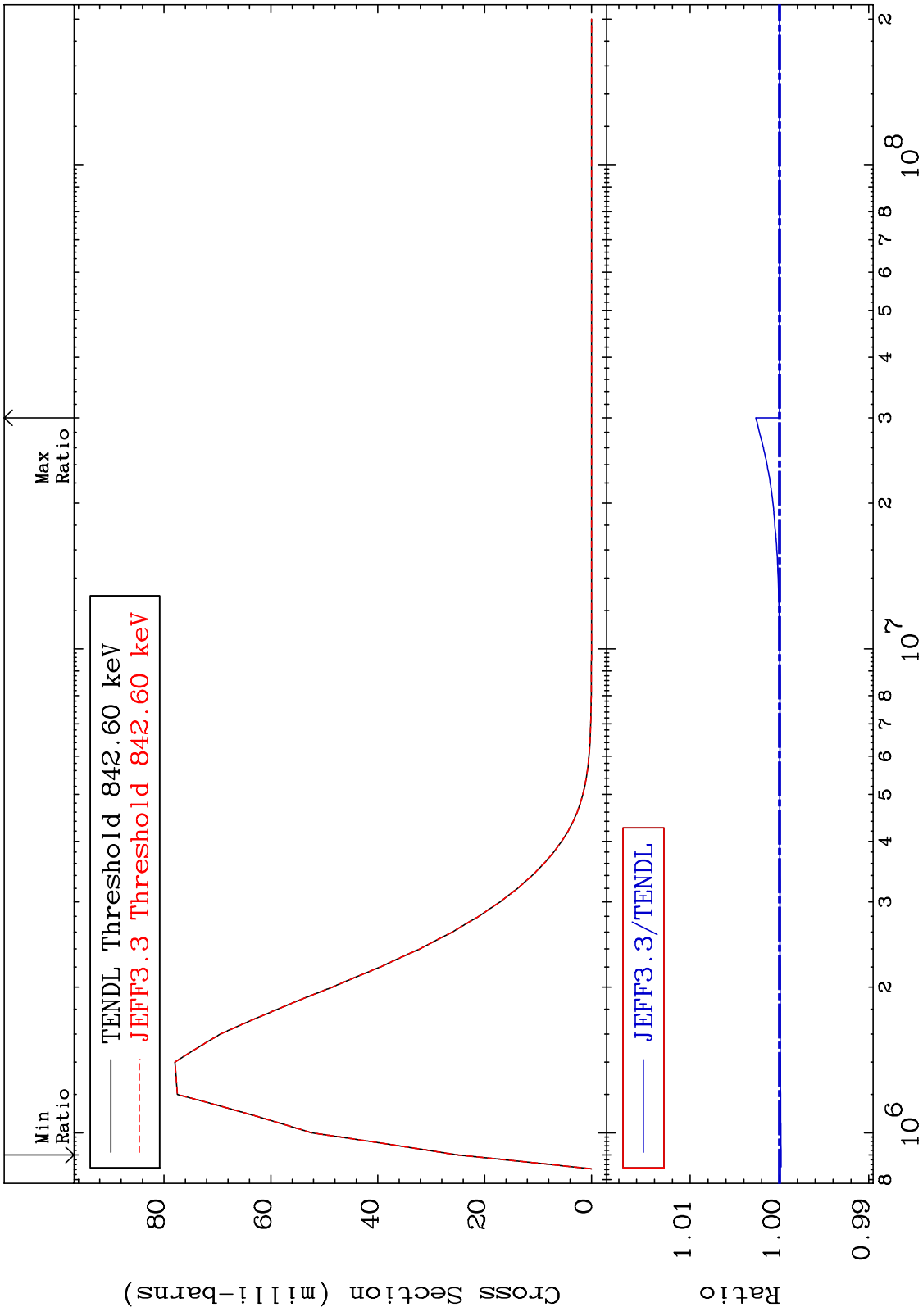
MAT 3525 MT= 60 (n,n') Level Cross Section 35-Br-79
 -0.017 To 0.265 %



MAT 3525 MT= 61 (n,n') Level Cross Section 35-Br-79
 -0.197 To 0.271 %

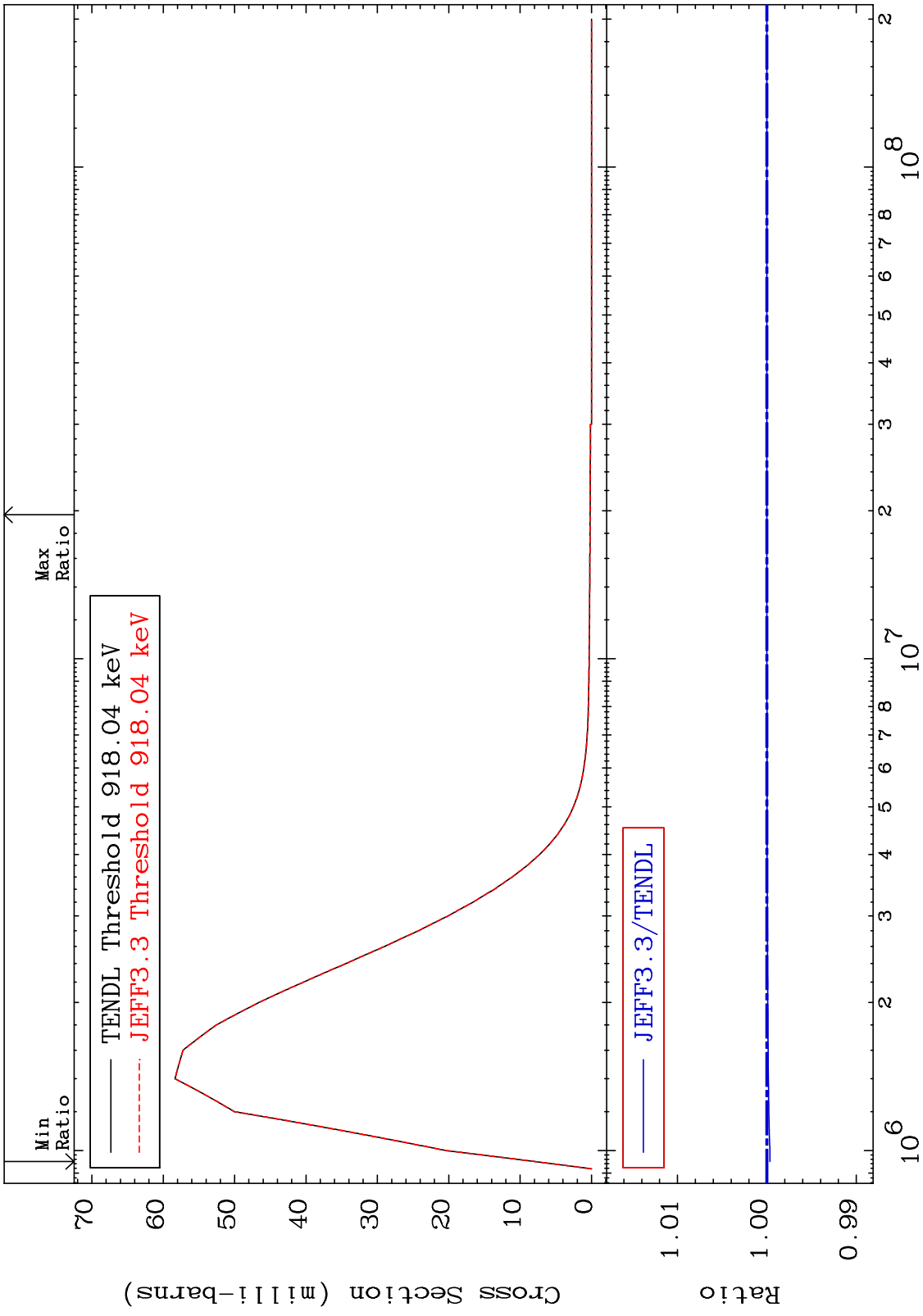


MAT 3525 MT= 62 (n,n') Level Cross Section 35-Br-79
-0.018 To 0.266 %

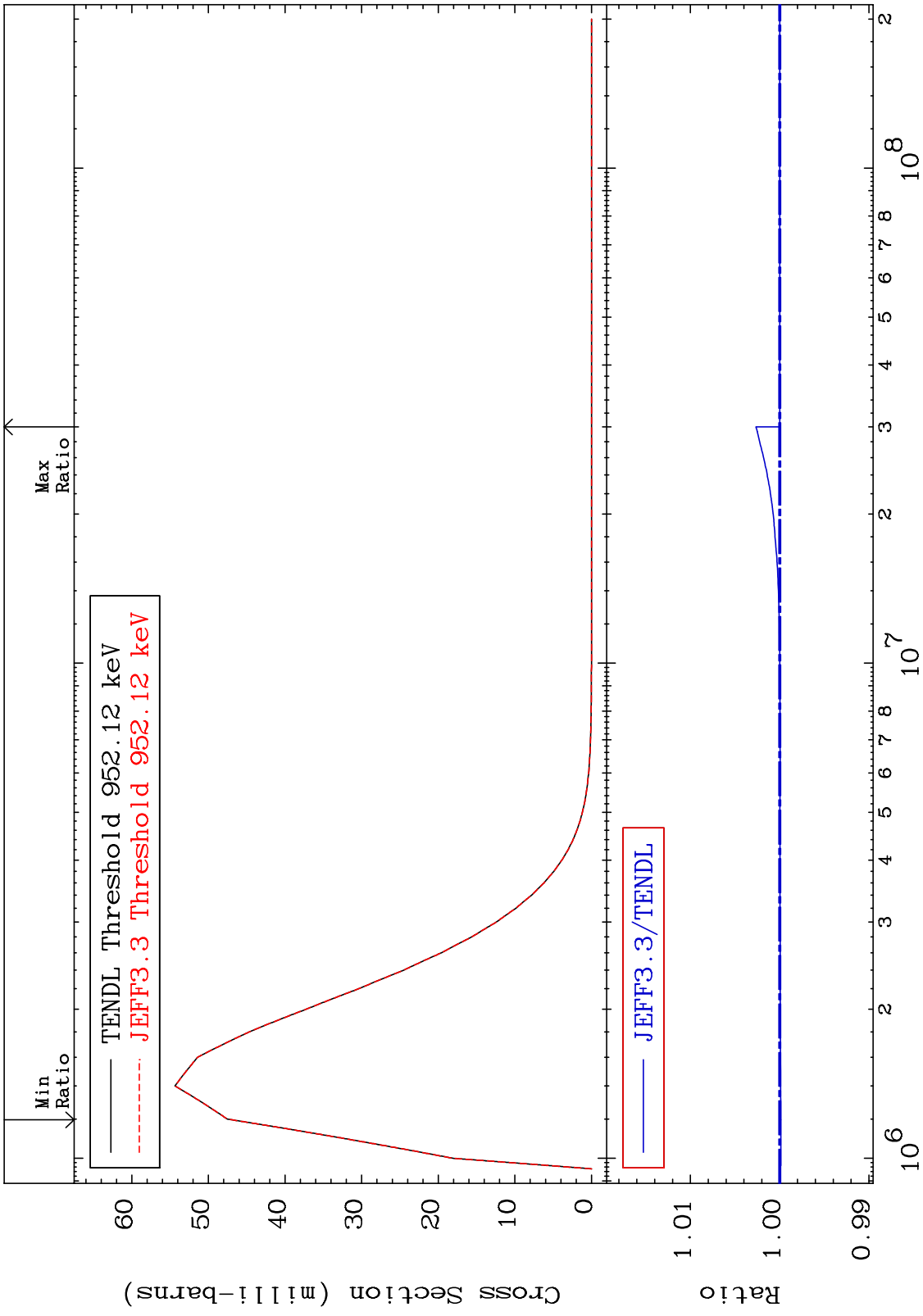


30 Incident Energy (eV) 35-Br-79

MAT 3525 MT= 63 (n,n') Level Cross Section 35-Br-79
 -0.035 To 0.000 %

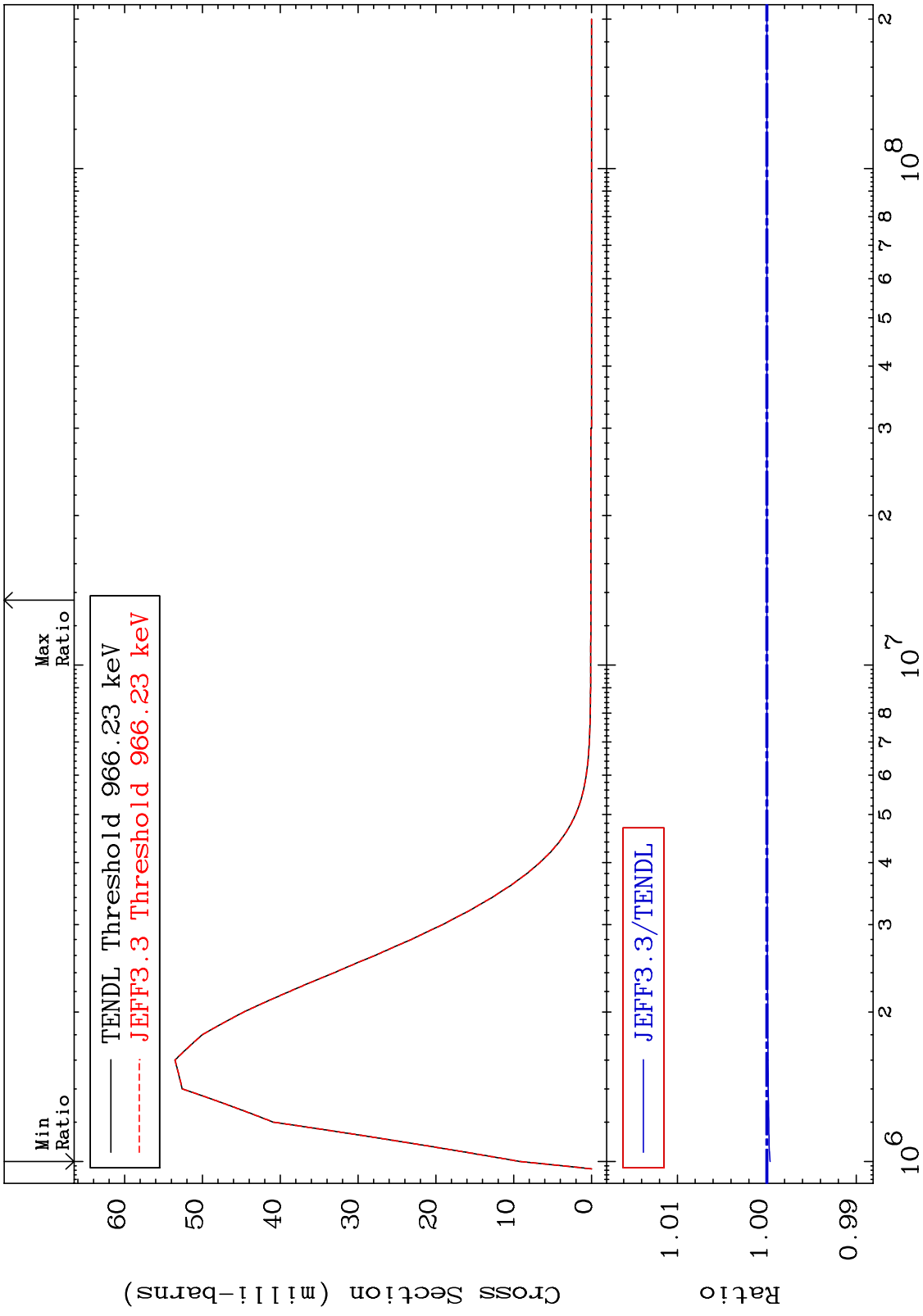


MAT 3525 MT= 64 (n,n') Level Cross Section 35-Br-79
-0.013 To 0.265 %

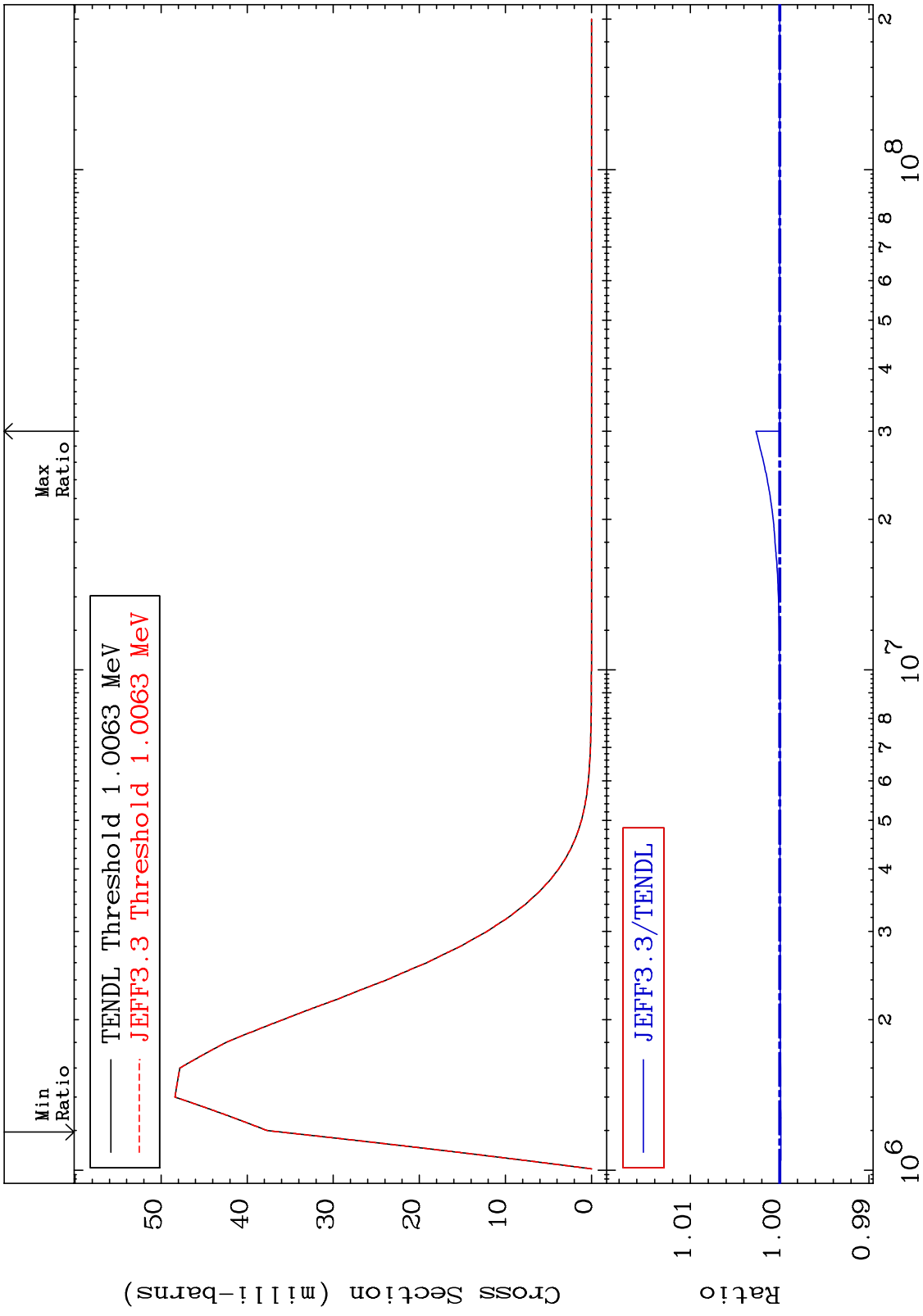


32 35-Br-79

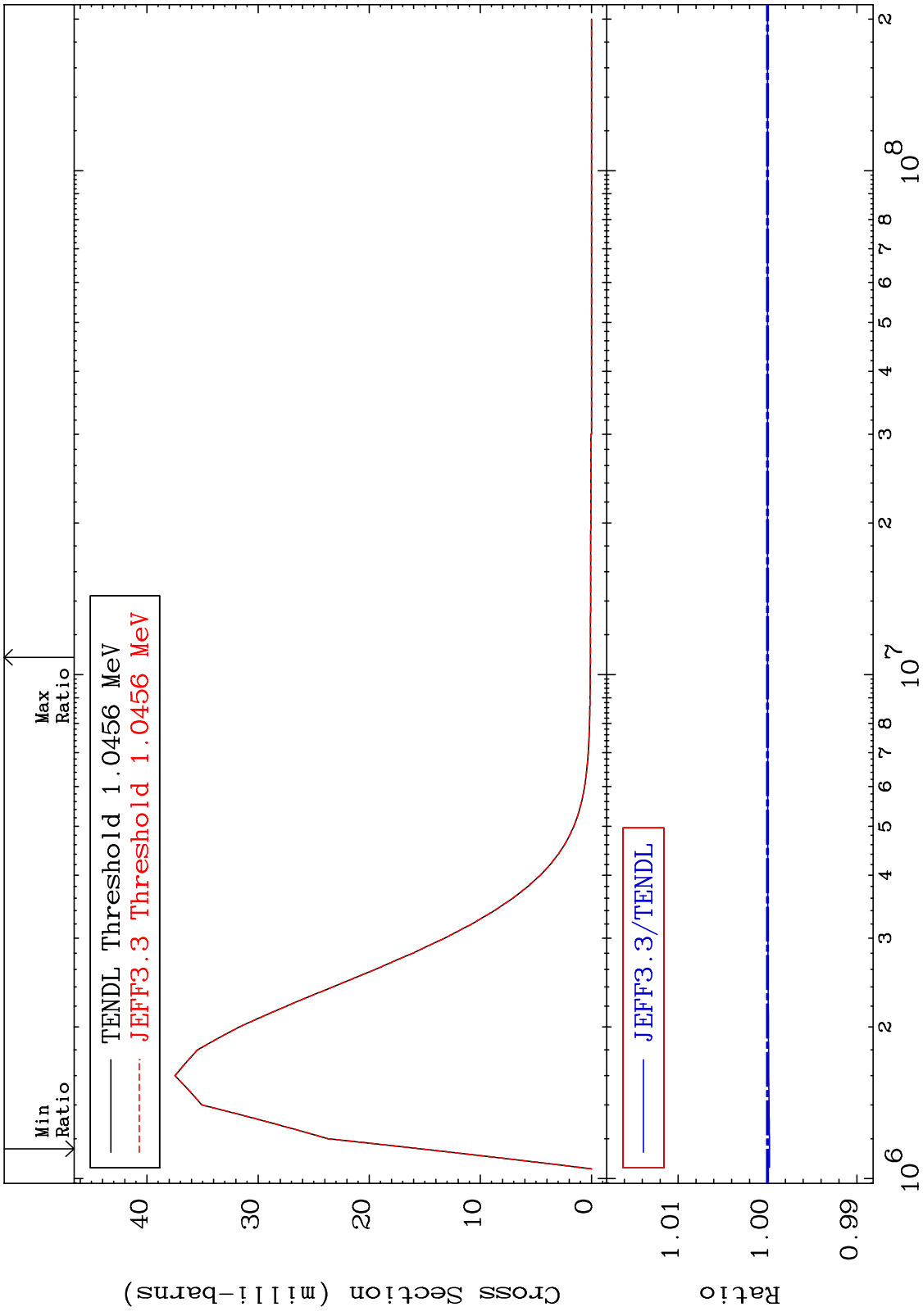
MAT 3525 MT= 65 (n,n') Level Cross Section -0.037 To 0.000 % 35-Br-79



MAT 3525 MT= 66 (n,n') Level Cross Section 35-Br-79
 -0.013 To 0.265 %

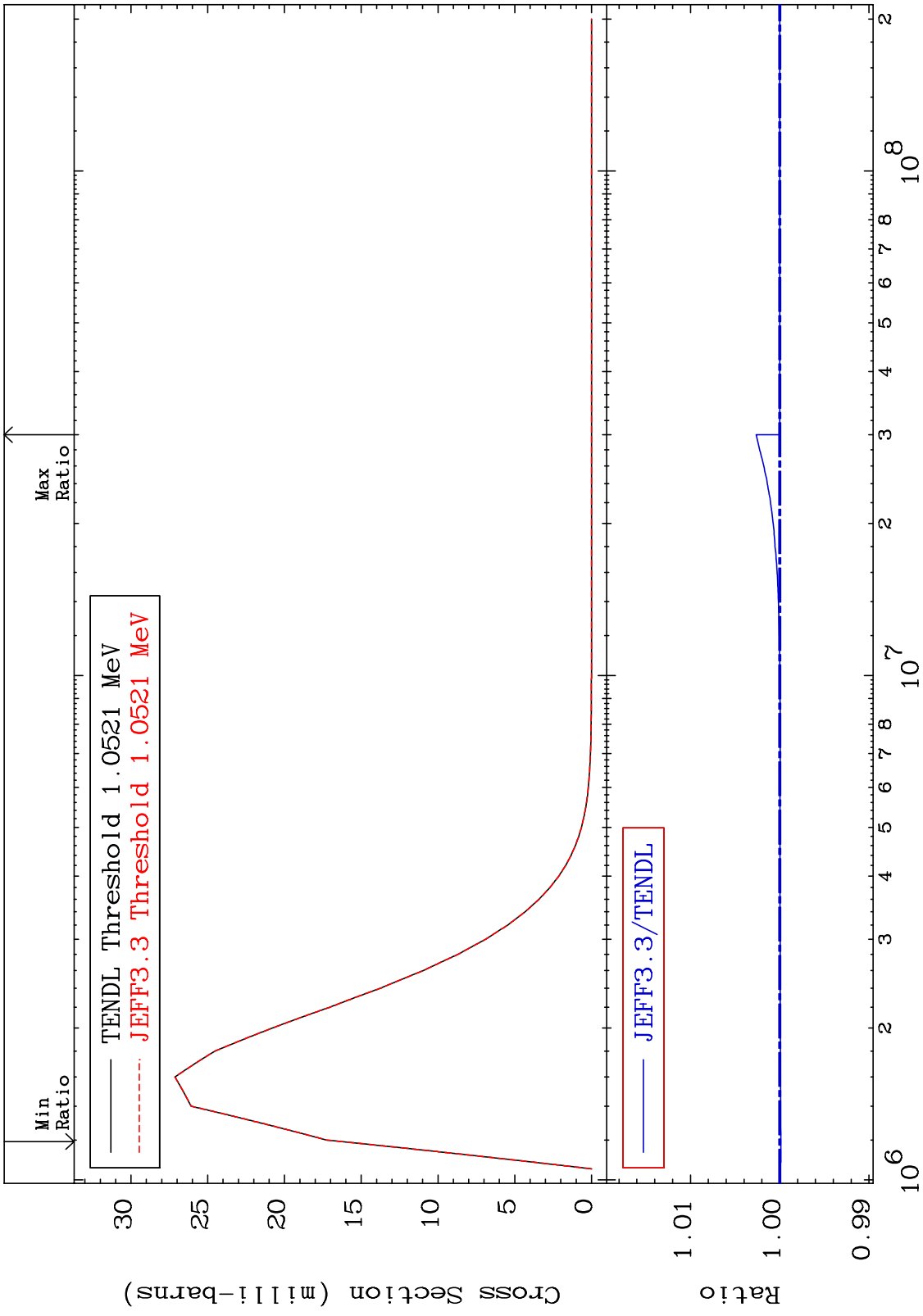


MAT 3525 MT= 67 (n,n') Level Cross Section 35-Br-79
-0.022 To 0.000 %

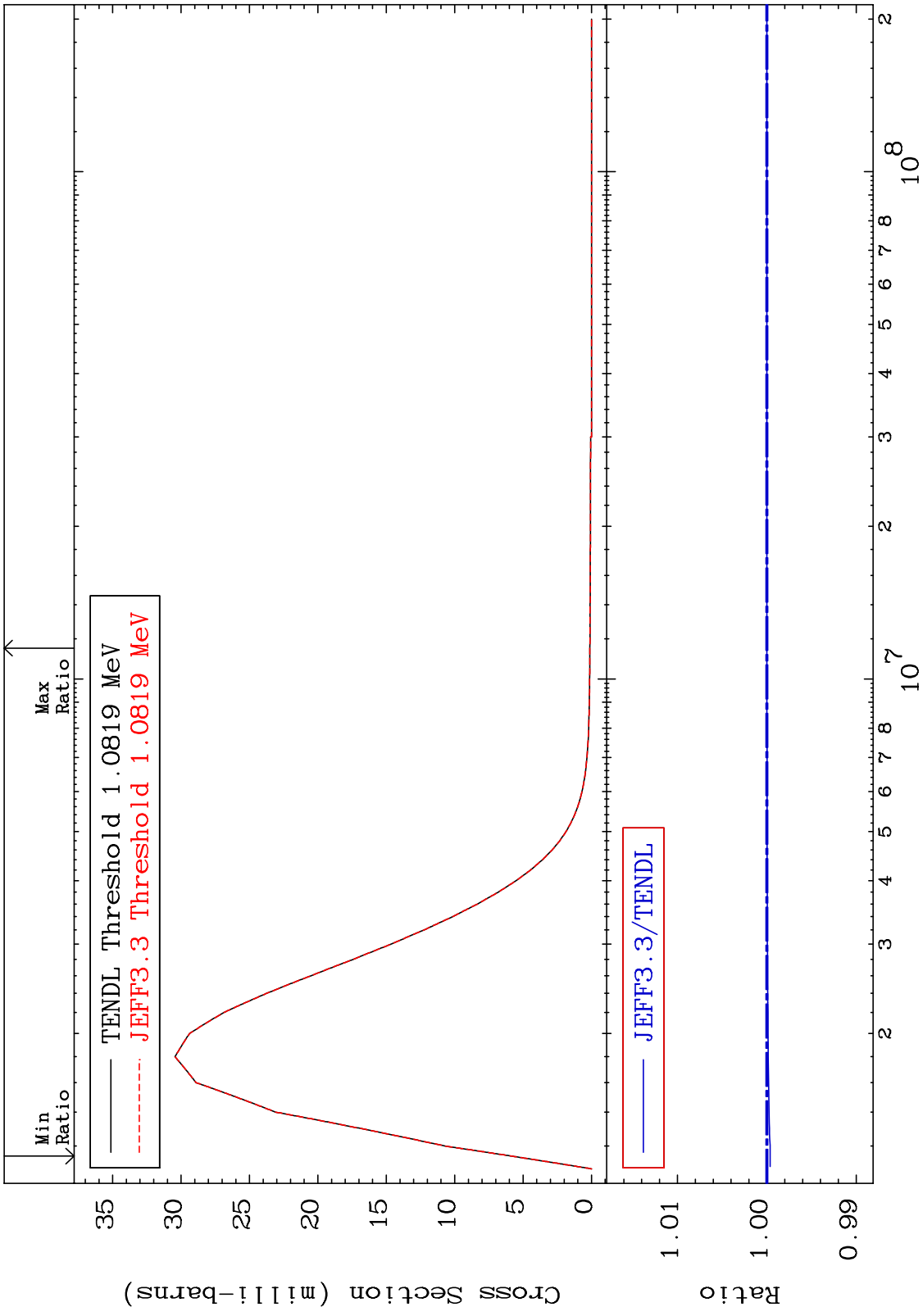


35 35-Br-79

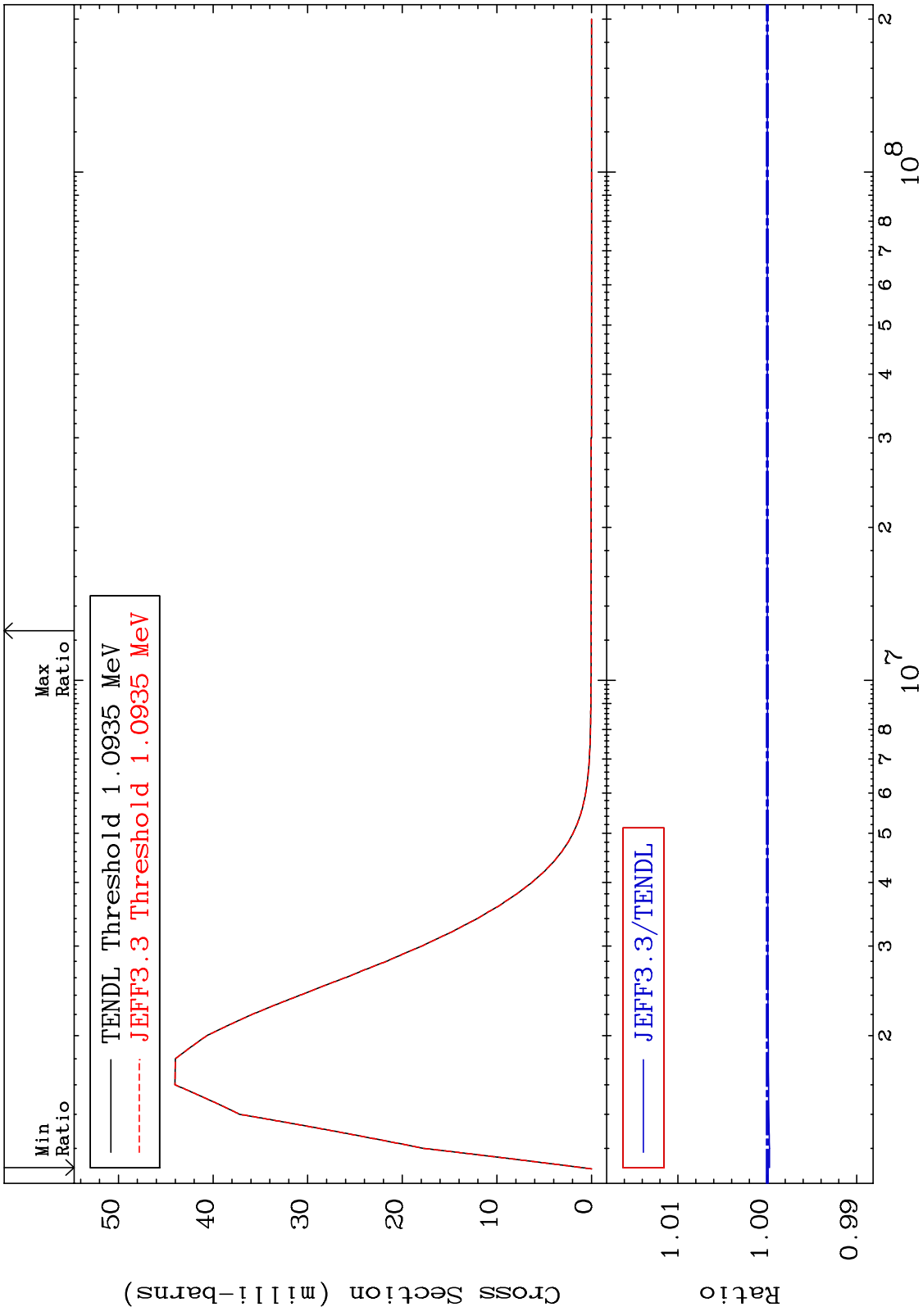
MAT 3525 MT= 68 (n,n') Level Cross Section 35-Br-79
-0.012 To 0.265 %



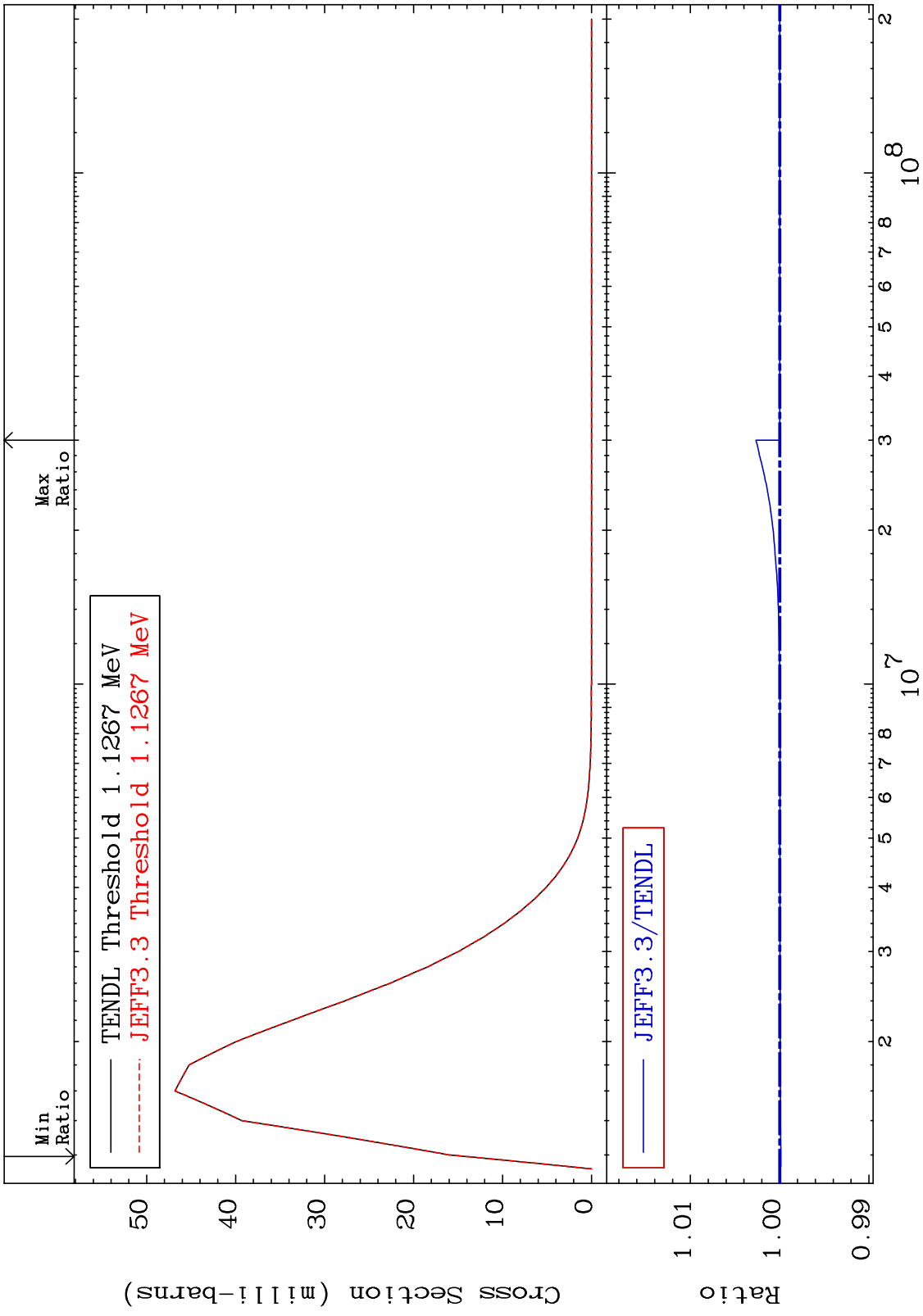
MAT 3525 MT= 69 (n,n') Level Cross Section 35-Br-79
 -0.036 To 0.000 %



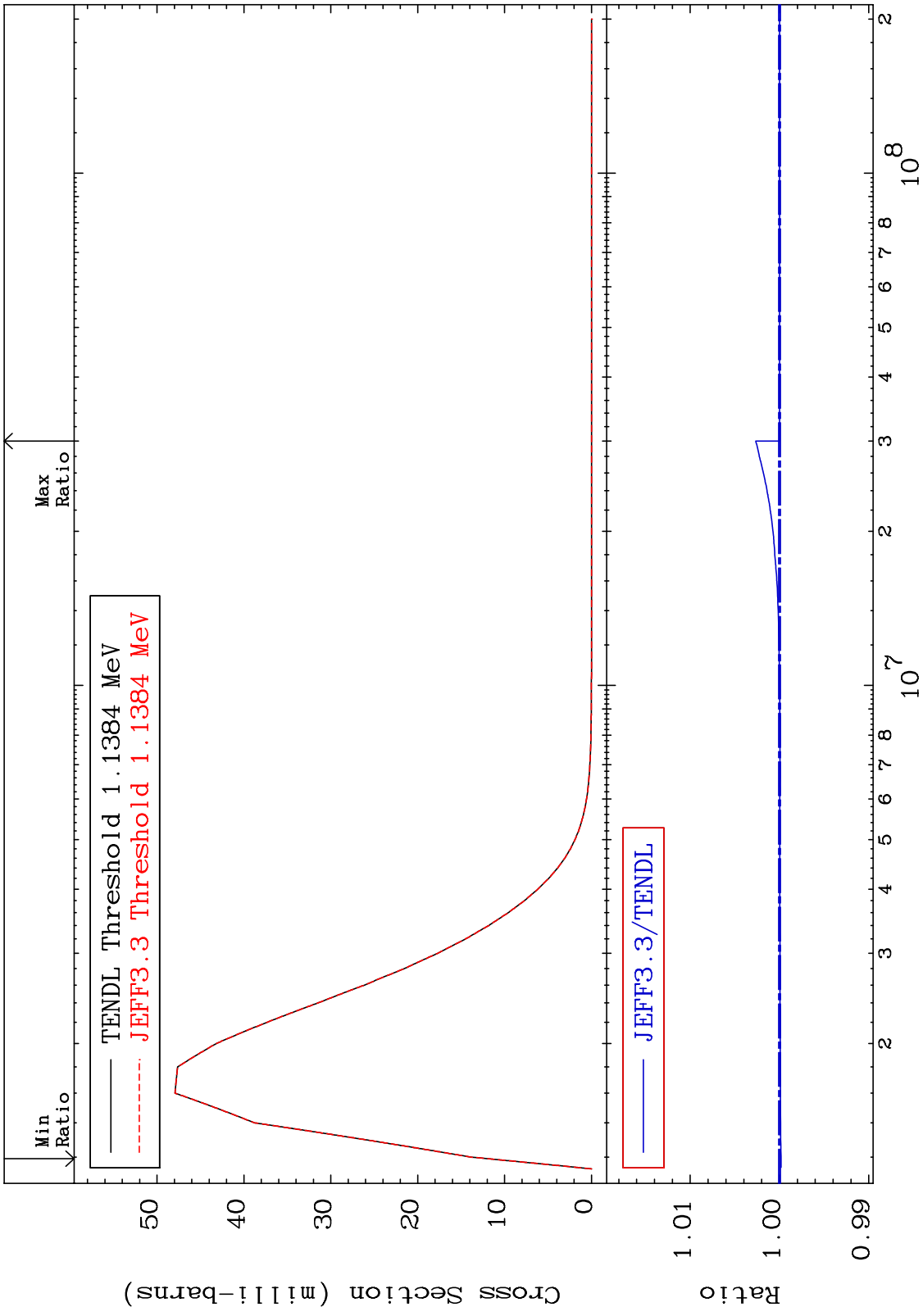
MAT 3525 MT= 70 (n,n') Level Cross Section 35-Br-79
 -0.025 To 0.000 %



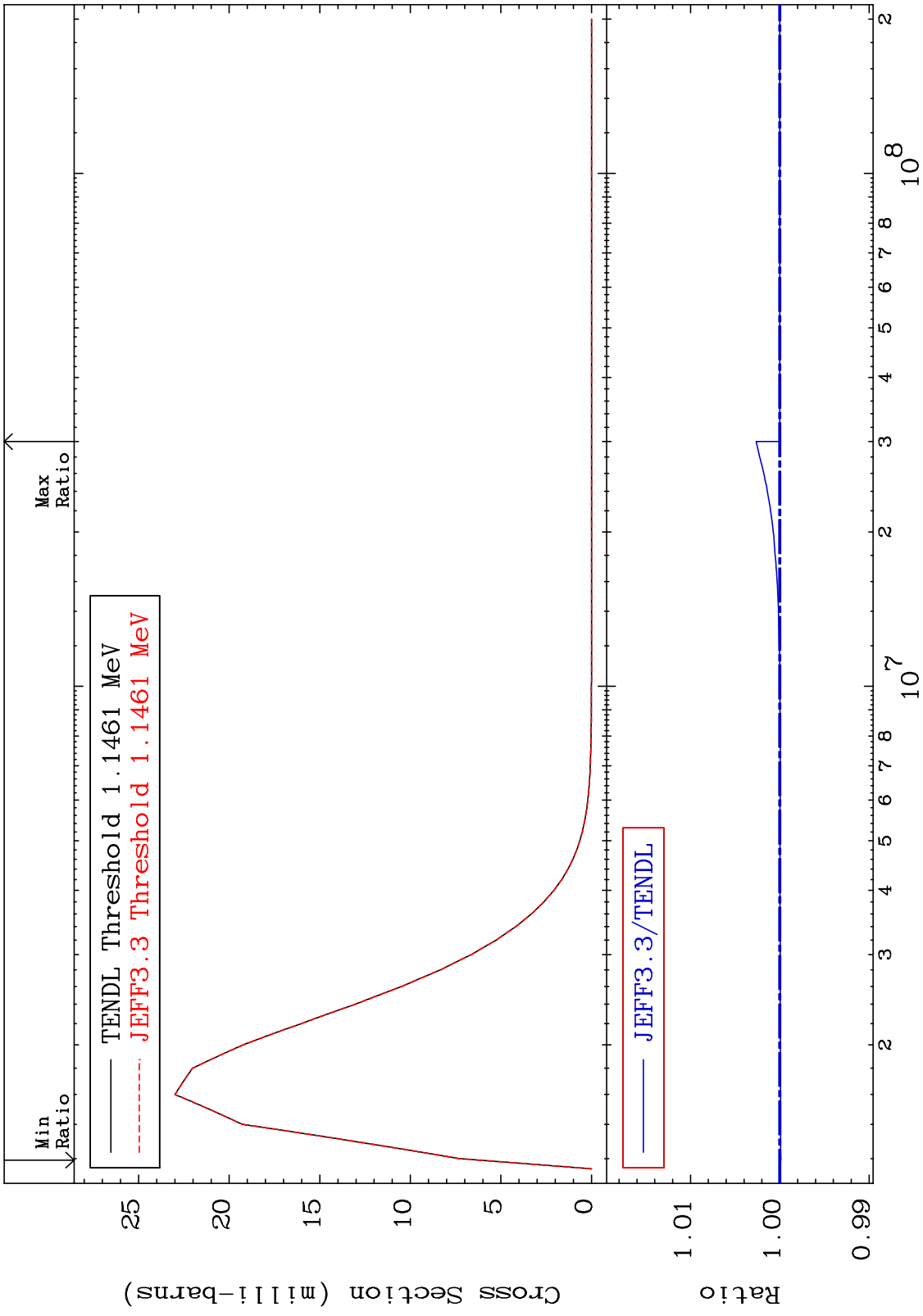
MAT 3525 MT= 71 (n,n') Level Cross Section -0.014 To 0.265 % 35-Br-79



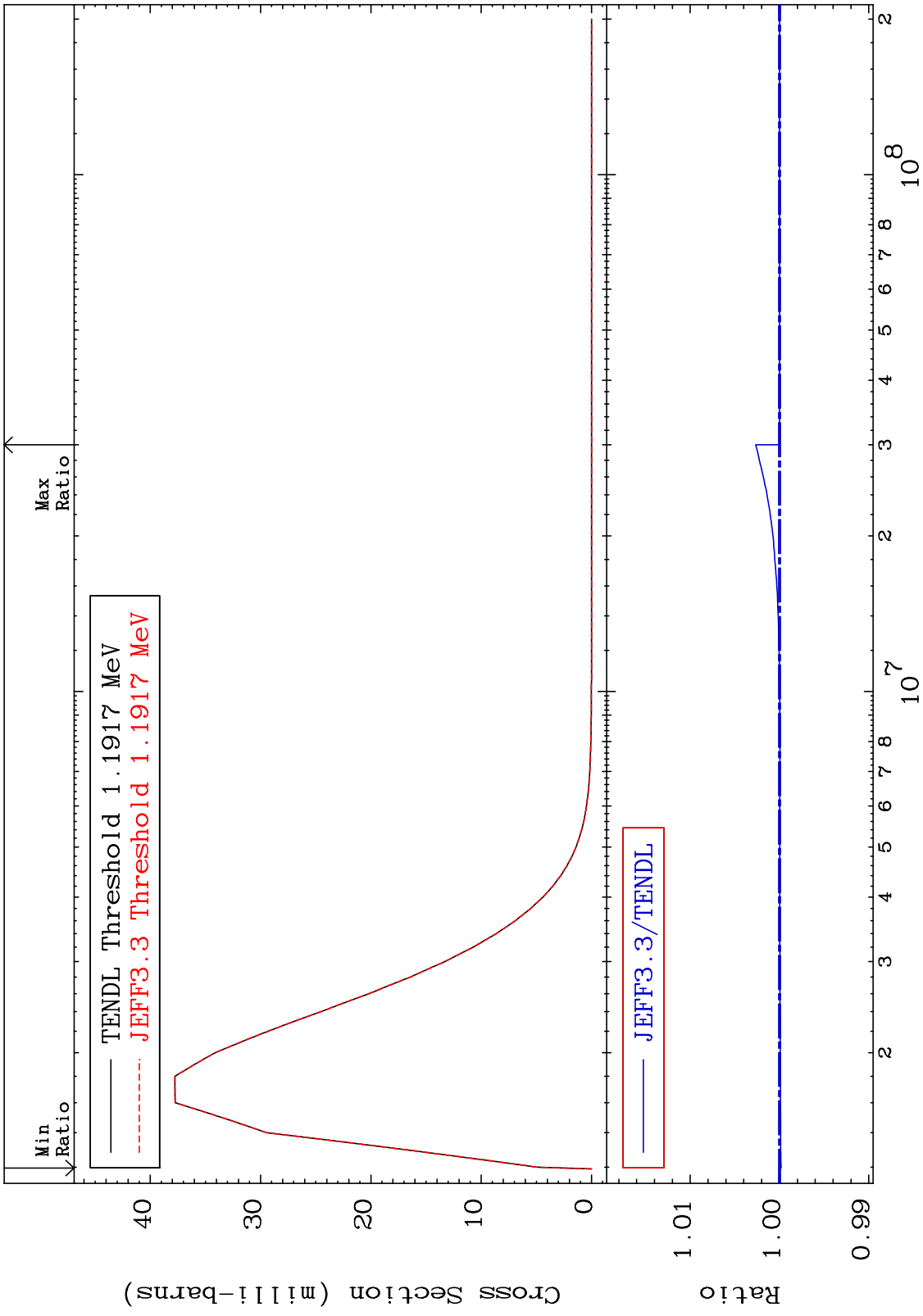
MAT 3525 MT= 72 (n,n') Level Cross Section -0.018 To 0.266 % 35-Br-79



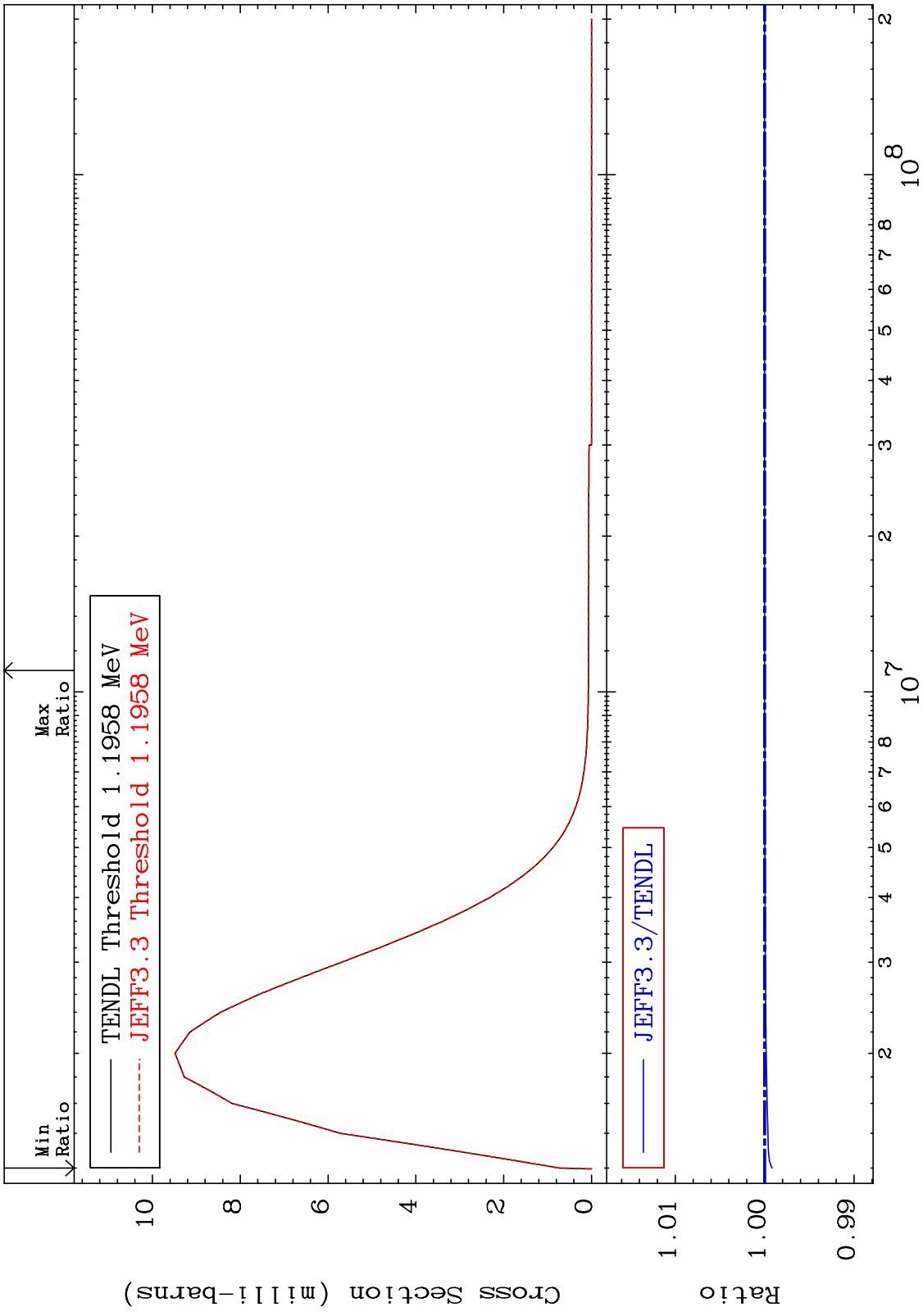
MAT 3525 MT= 73 (n,n') Level Cross Section -0.011 To 0.265 % 35-Br-79



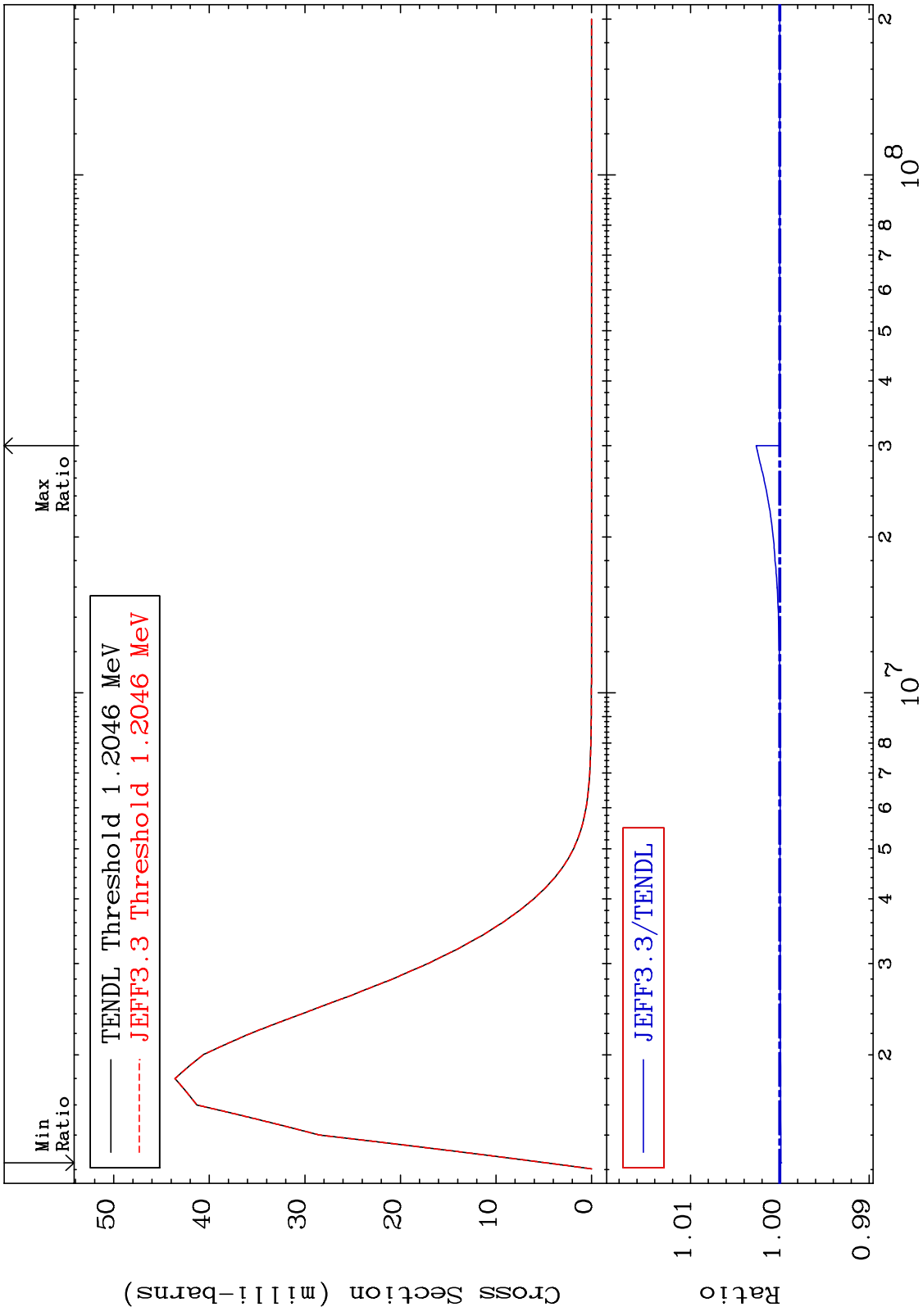
MAT 3525 MT= 74 (n,n') Level Cross Section 35-Br-79
 -0.018 To 0.266 %



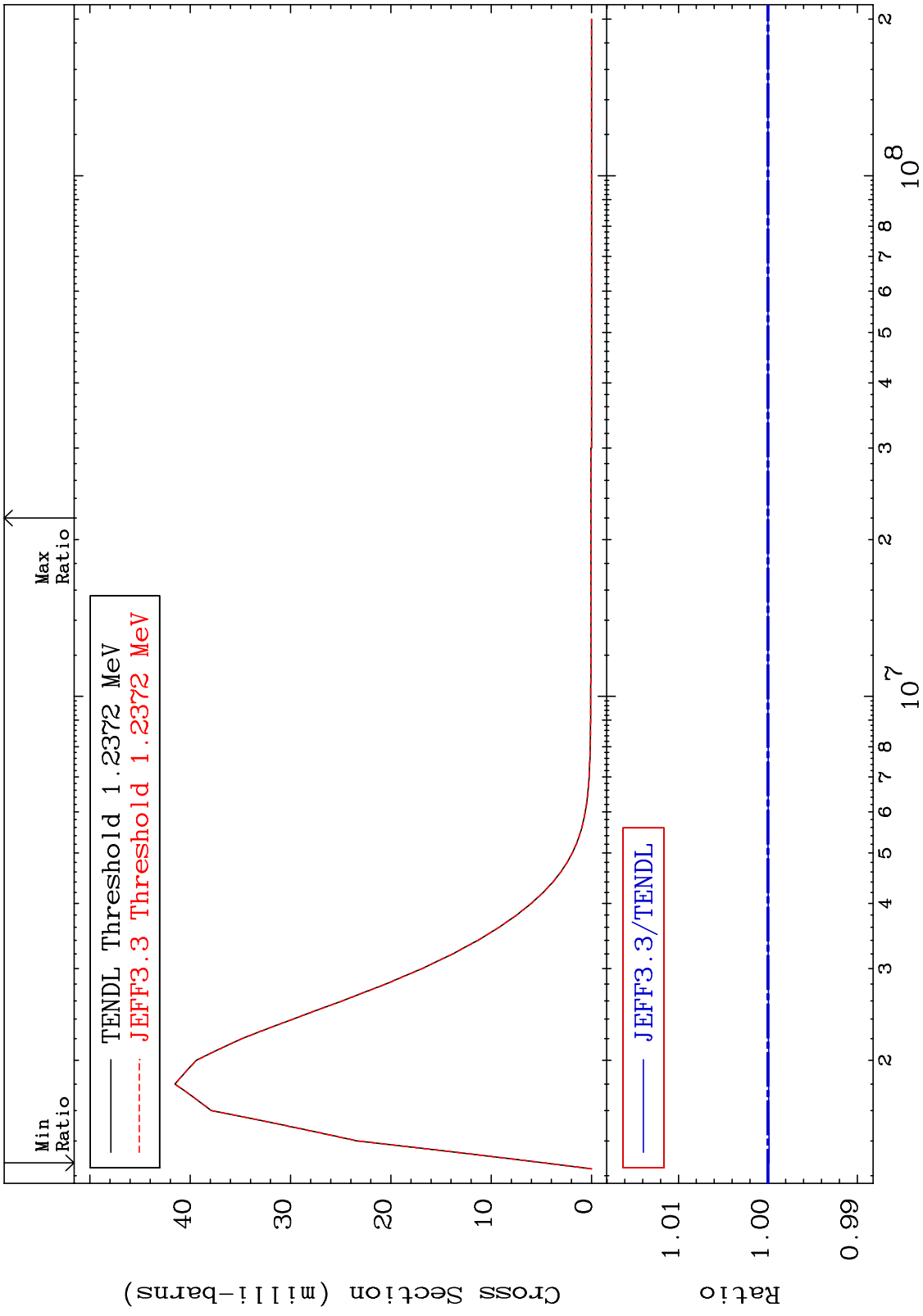
MAT 3525 MT= 75 (n,n') Level Cross Section 35-Br-79
 -0.084 To 0.000 %



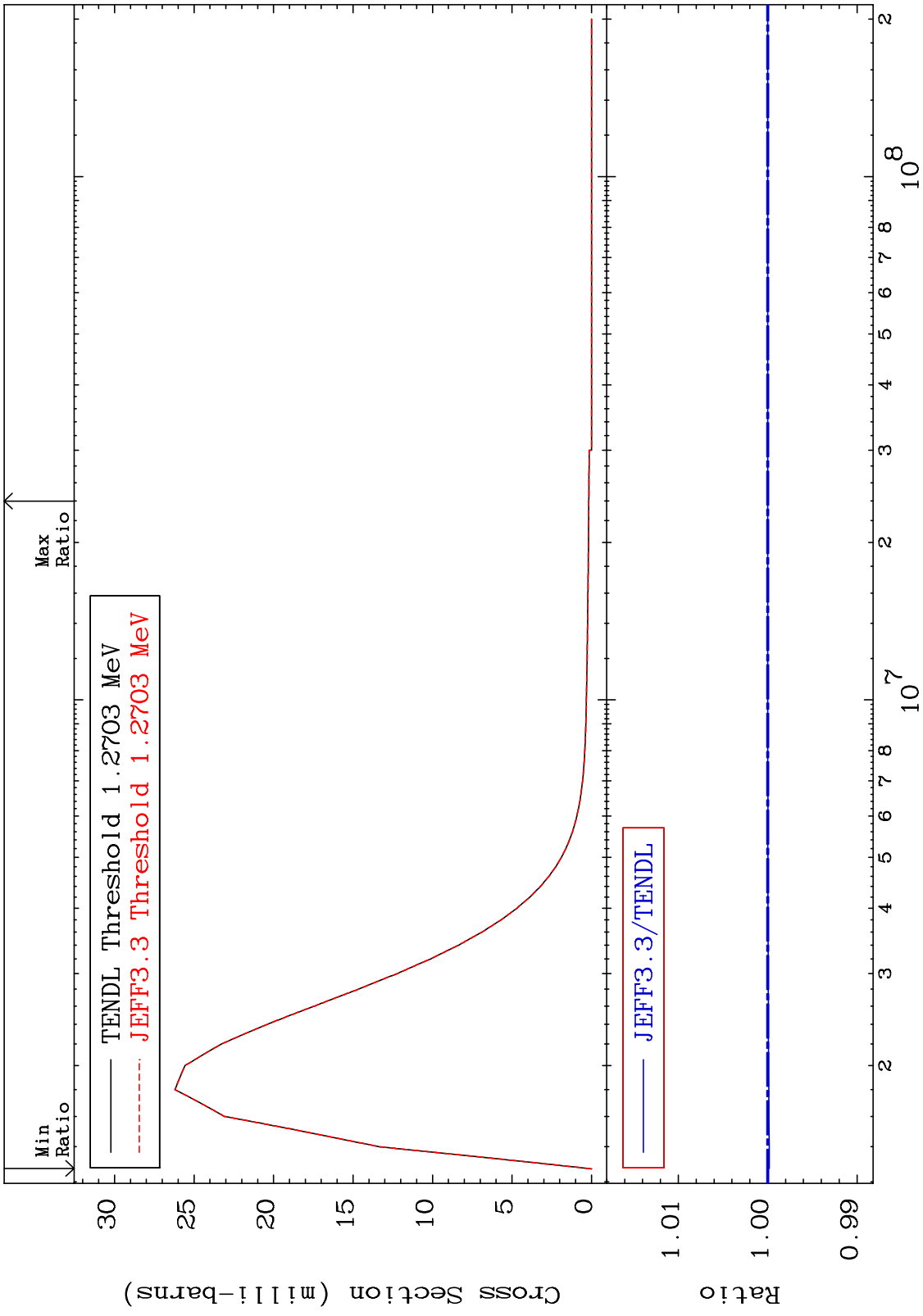
MAT 3525 MT= 76 (n,n') Level Cross Section -0.012 To 0.266 % 35-Br-79



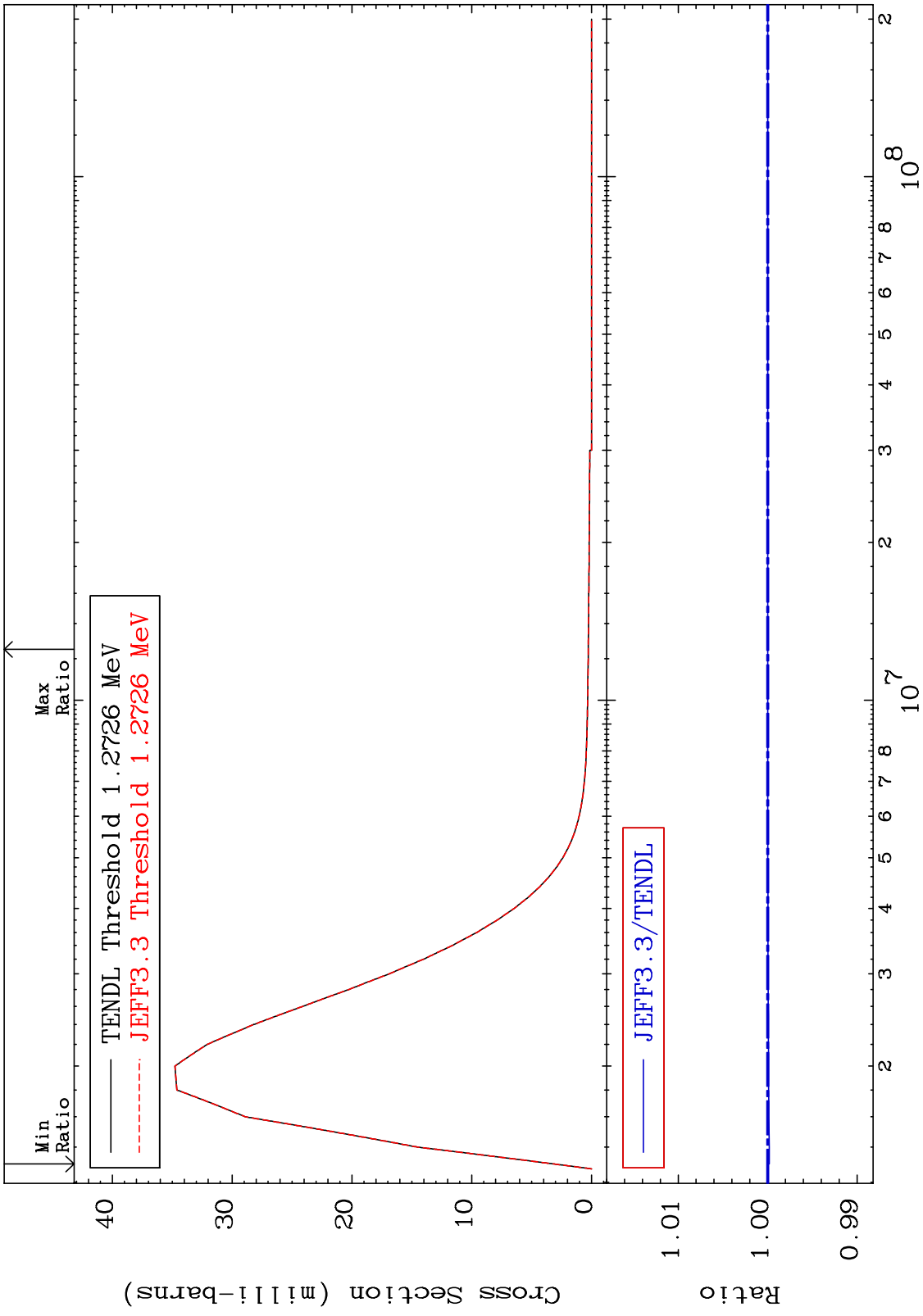
MAT 3525 MT= 77 (n, n') Level Cross Section 35-Br-79
 -0.013 To 0.000 %



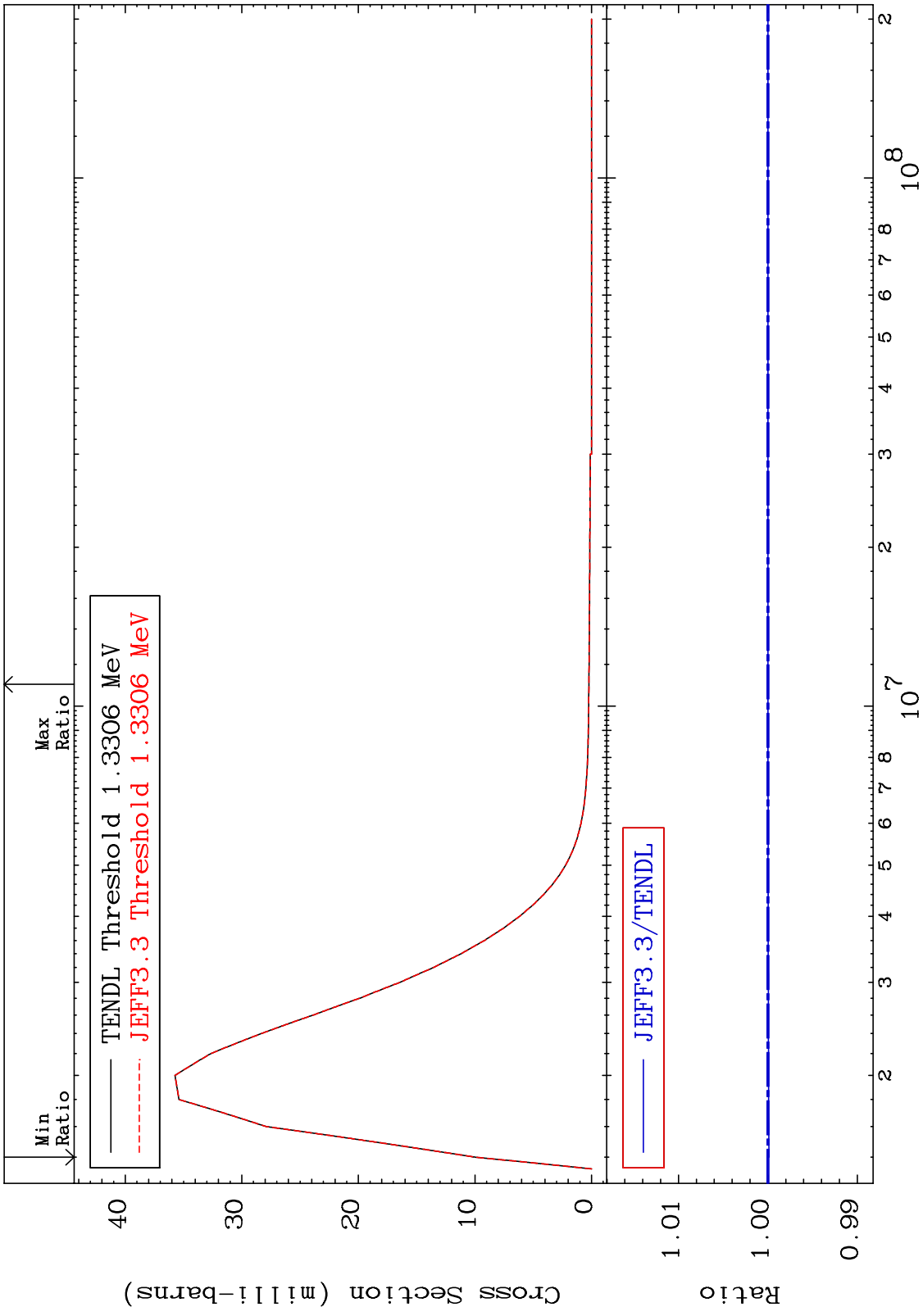
MAT 3525 MT= 78 (n,n') Level Cross Section -0.016 To 0.000 % 35-Br-79



MAT 3525 MT= 79 (n,n') Level Cross Section 35-Br-79
 -0.018 To 0.000 %



MAT 3525 MT= 80 (n,n') Level Cross Section 35-Br-79
 -0.013 To 0.000 %

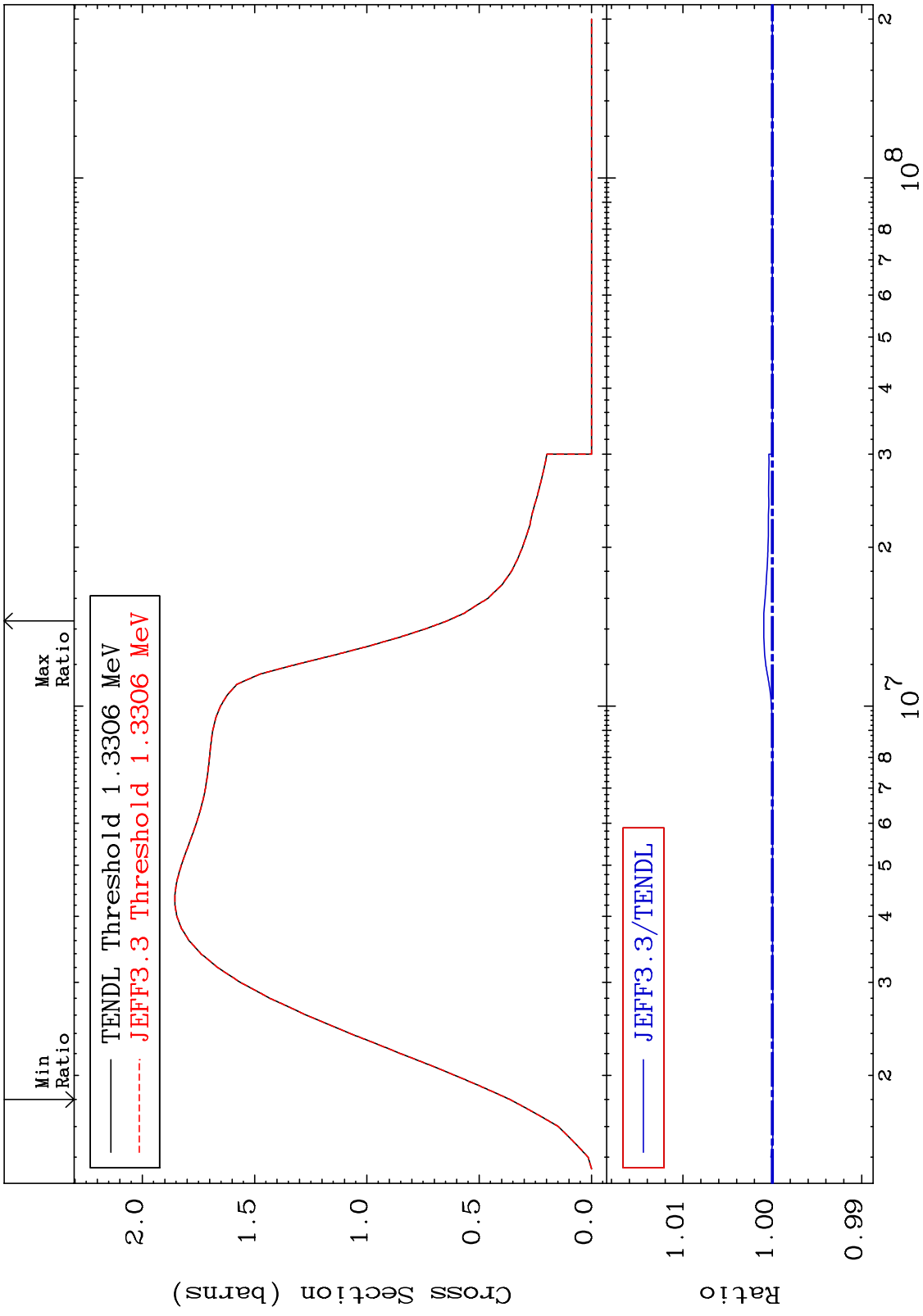


MAT 3525

(n, n') Continuum
Cross Section

35-Br-79

-0.008 To 0.096 %



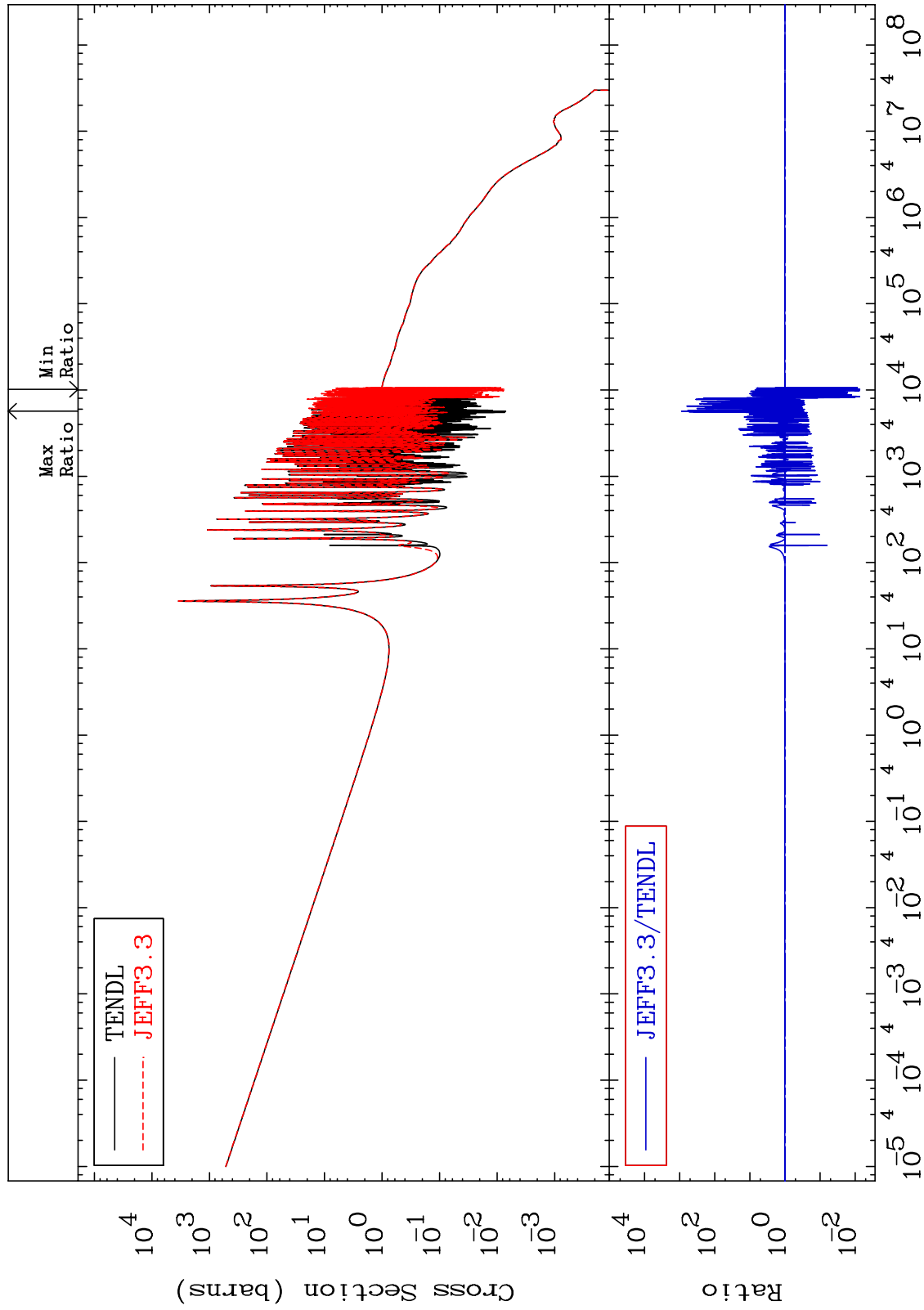
MAT 3525

(n, γ)

35-Br-79

Cross Section

-99.27 To 9999. %



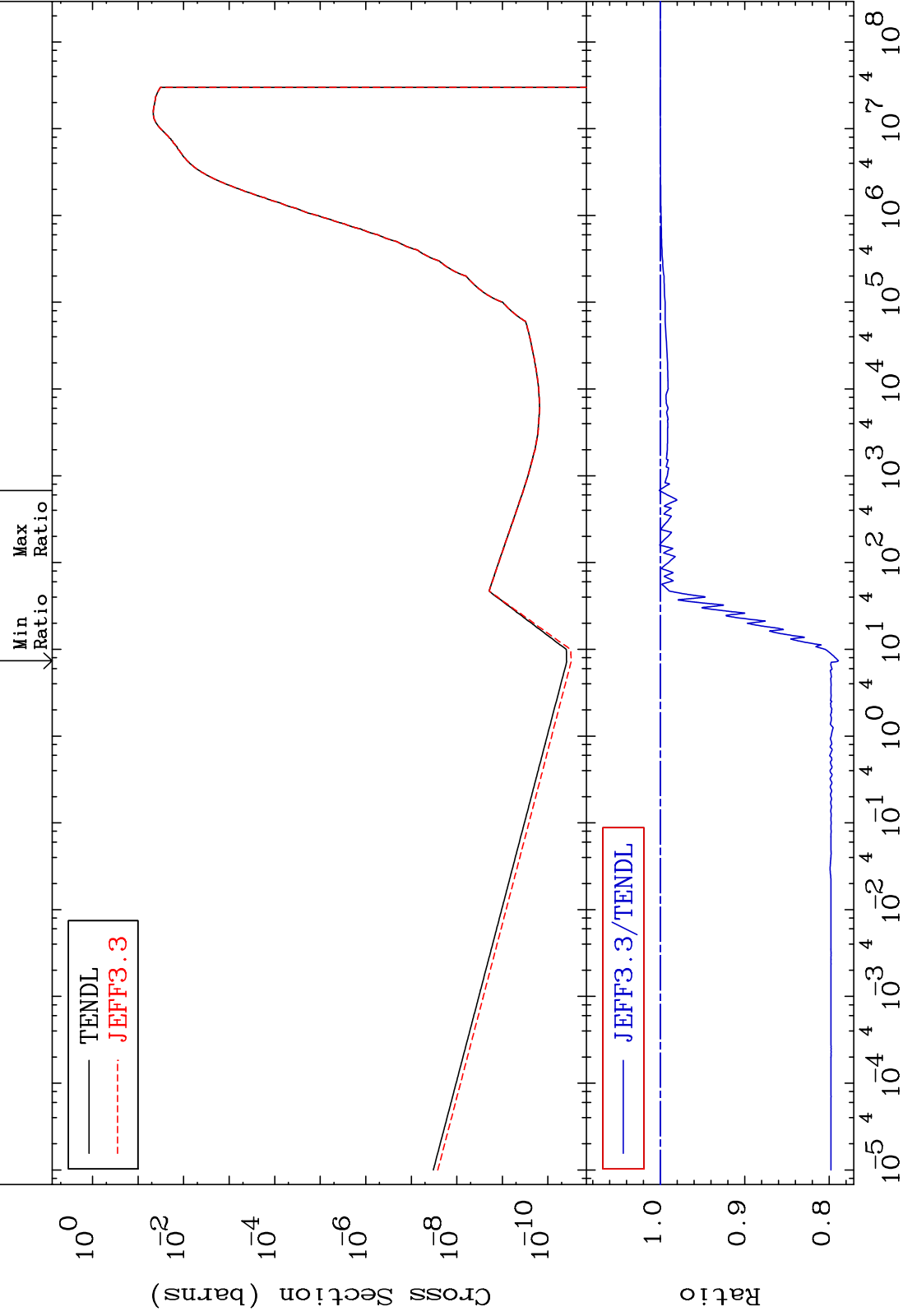
MAT 3525

(n,p)

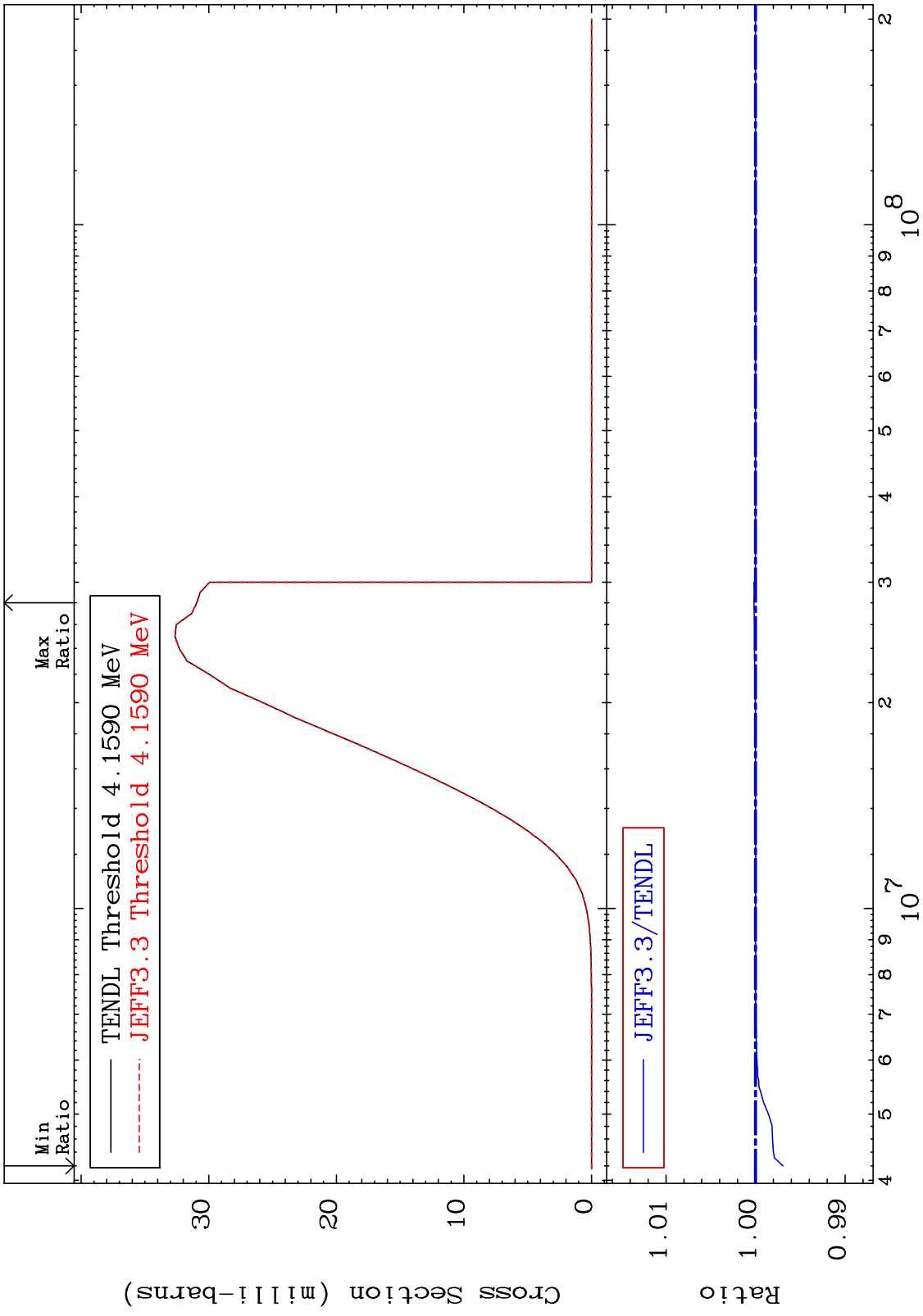
35-Br-79

-21.09 To 0.159 %

Cross Section



MAT 3525 (n,d) Cross Section 35-Br-79 -0.307 To 0.018 %



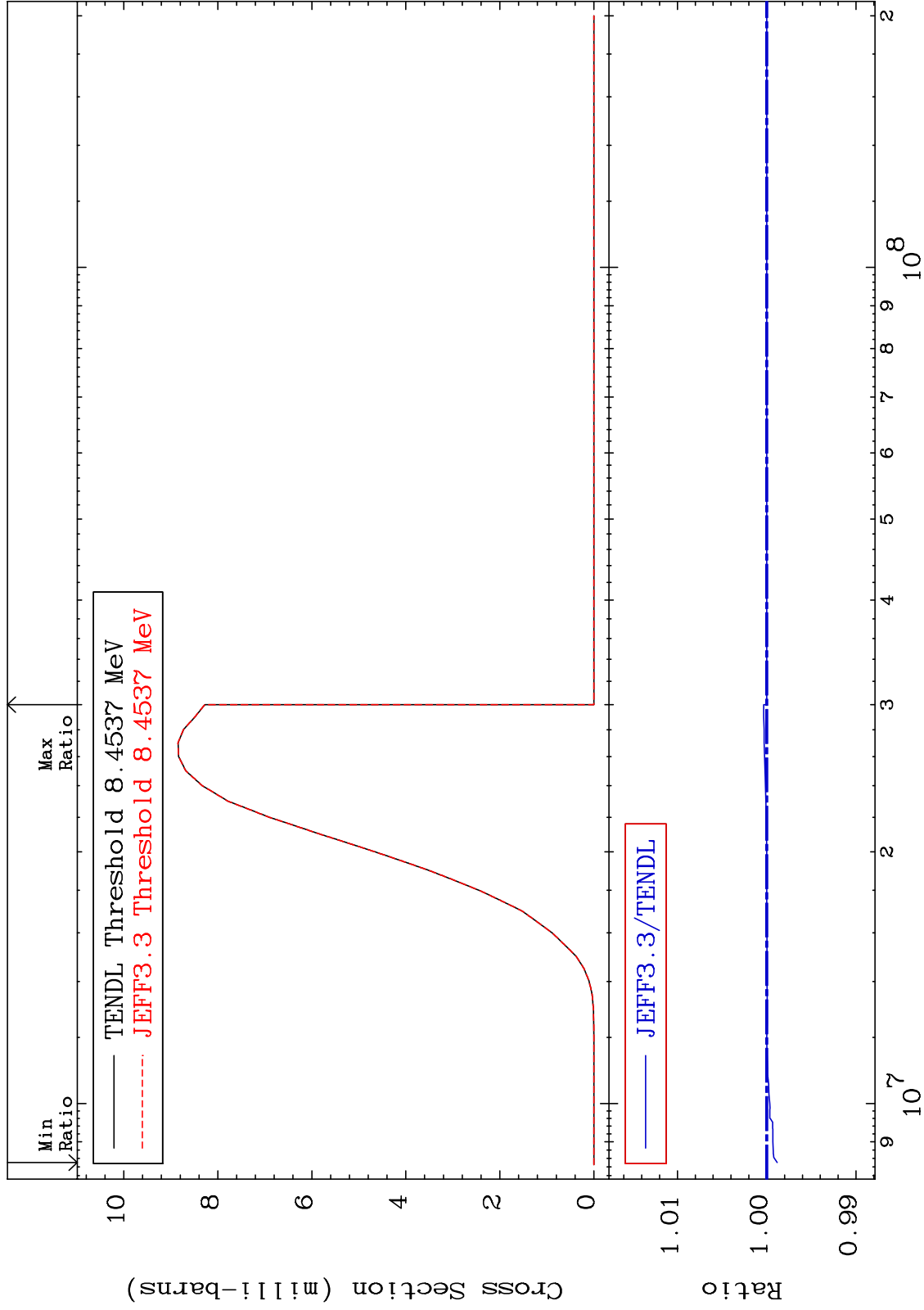
MAT 3525

(n, t)

35-Br-79

Cross Section

-0.119 To 0.034 %



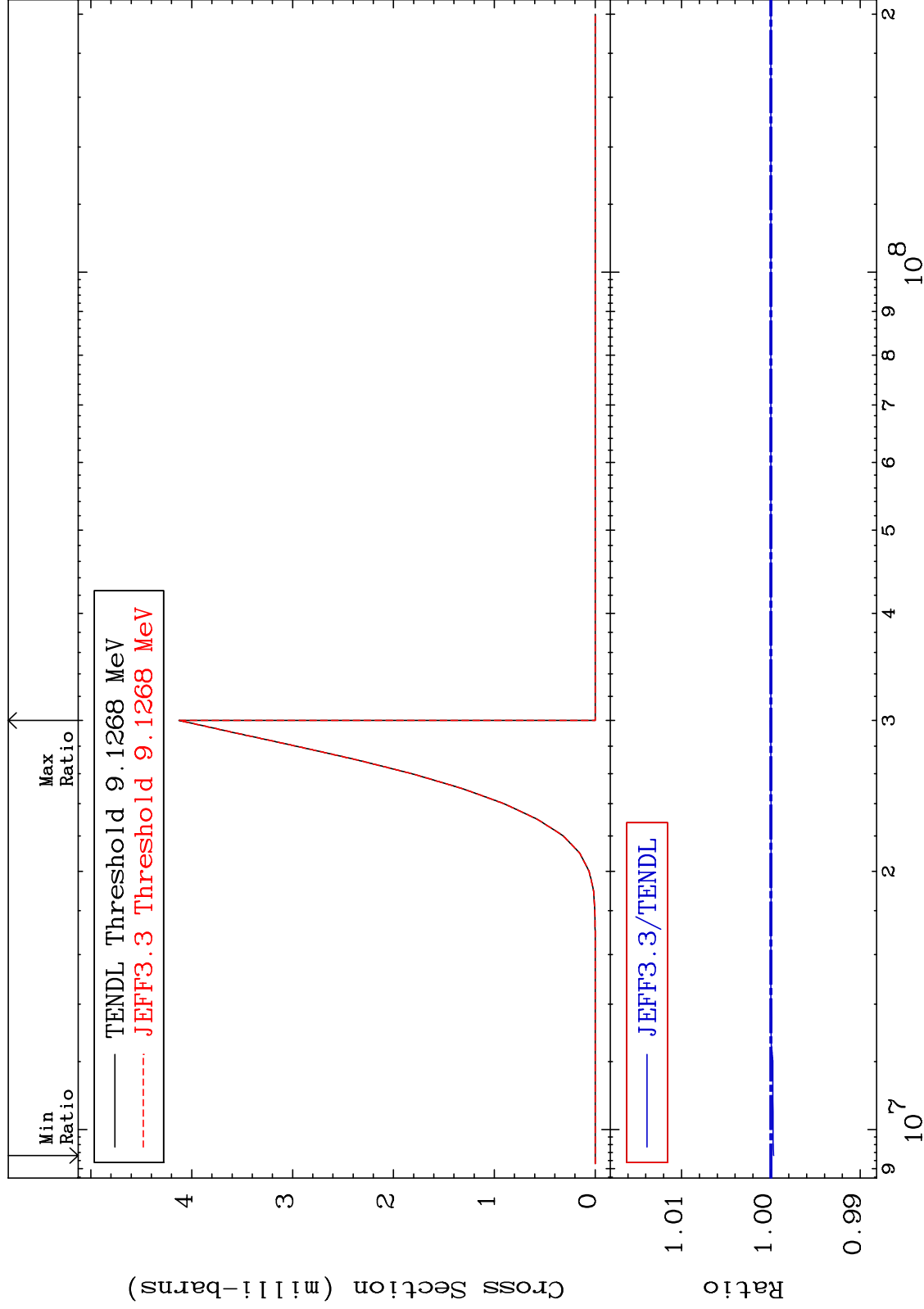
MAT 3525

(n, He-3)

35-Br-79

Cross Section

-0.032 To 0.006 %



54

Incident Energy (eV)

35-Br-79

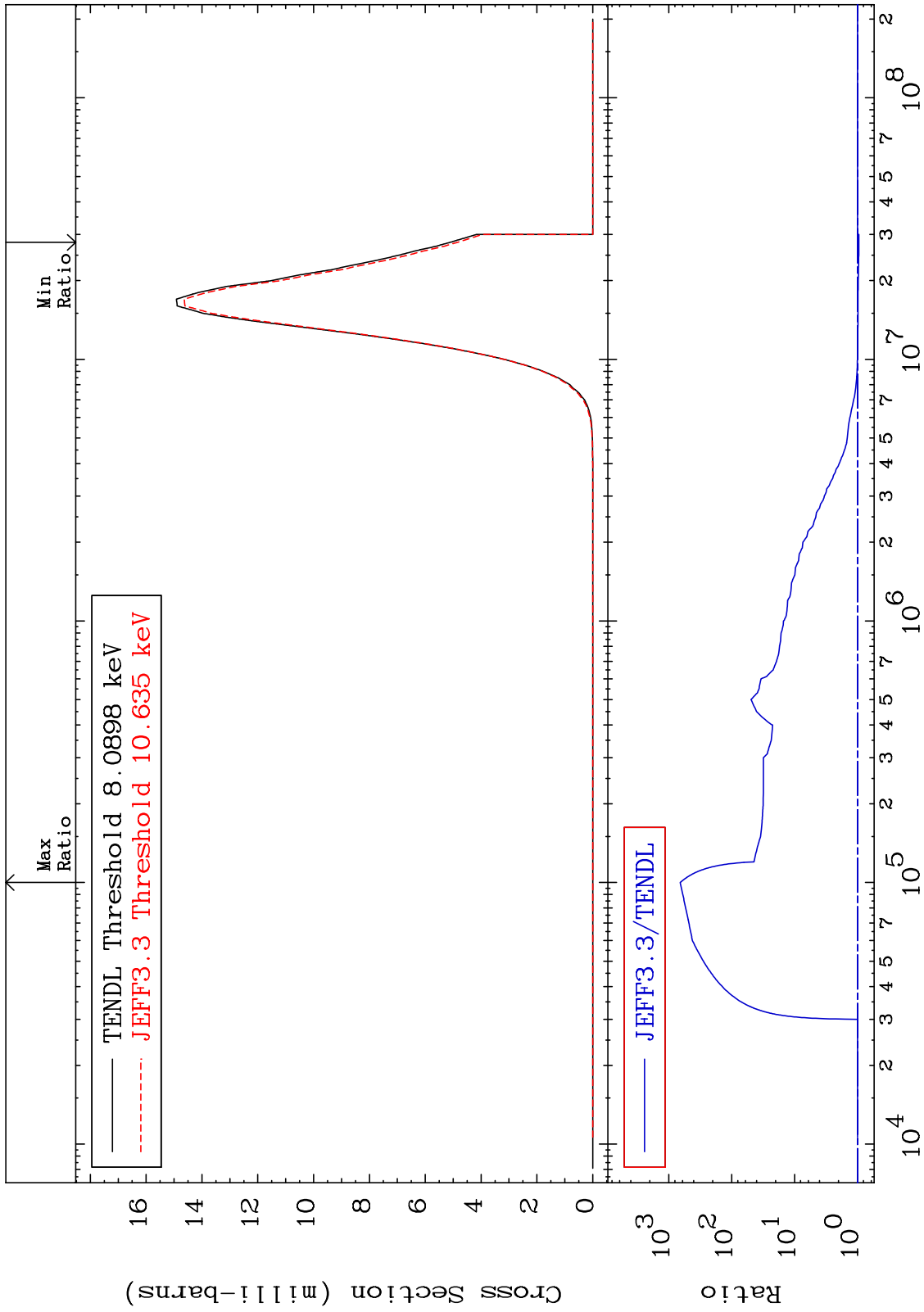
MAT 3525

(n, α)

35-Br-79

Cross Section

-5.163 To 9999. %



55

Incident Energy (eV)

35-Br-79

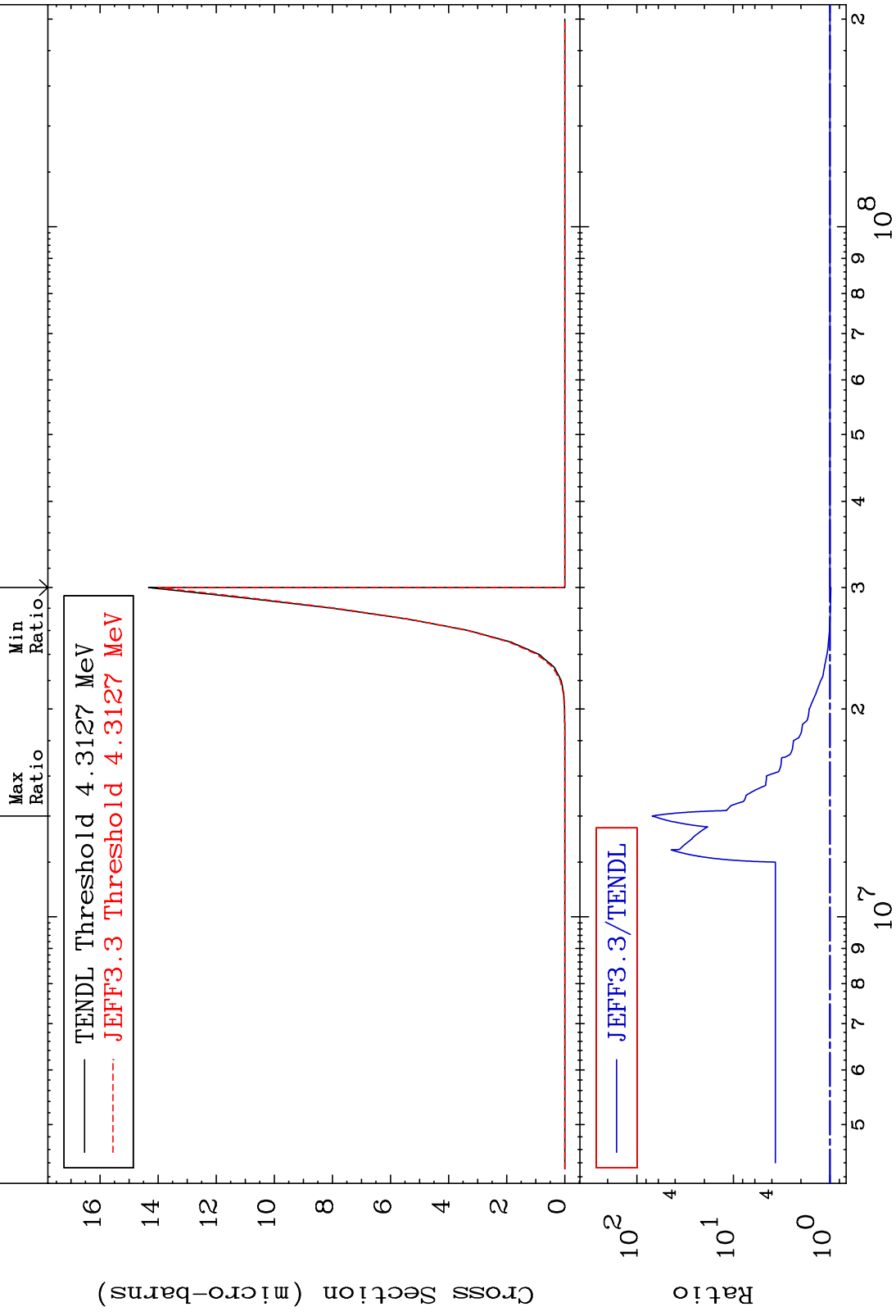
MAT 3525

(n,2α)

35-Br-79

-2.329 To 6817. %

Cross Section



56

Incident Energy (eV)

35-Br-79

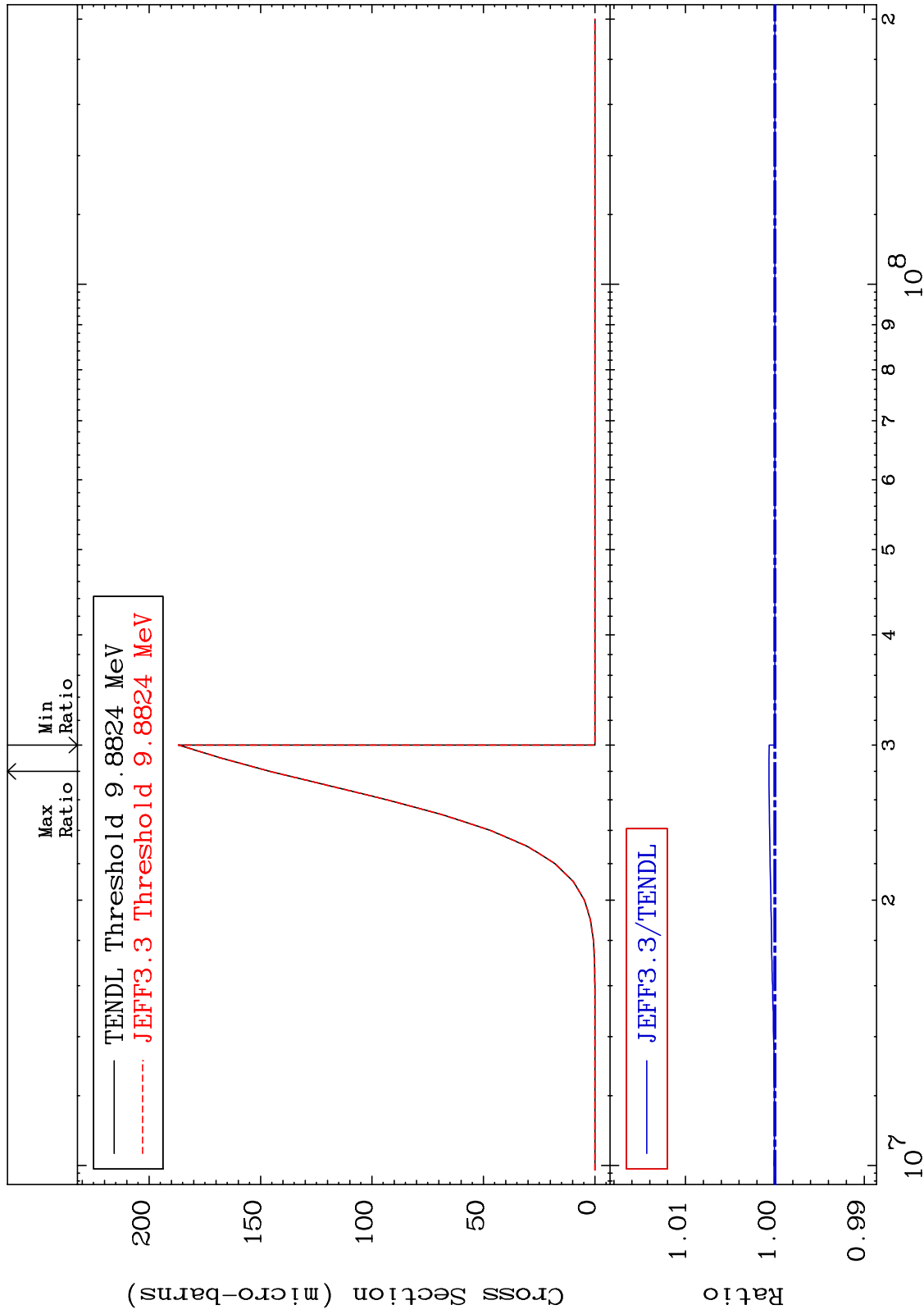
MAT 3525

(n,2p)

35-Br-79

0.000 To 0.067 %

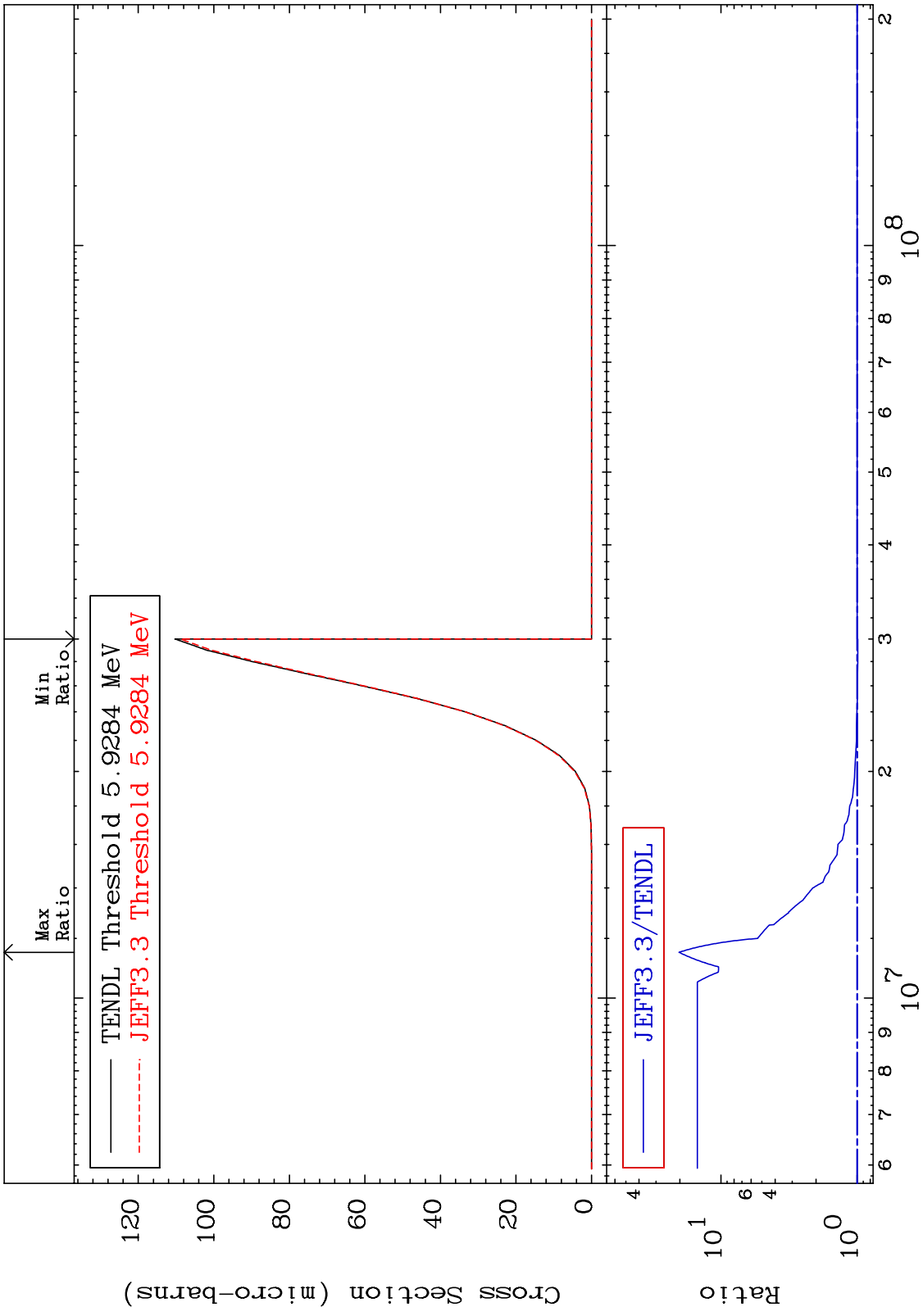
Cross Section



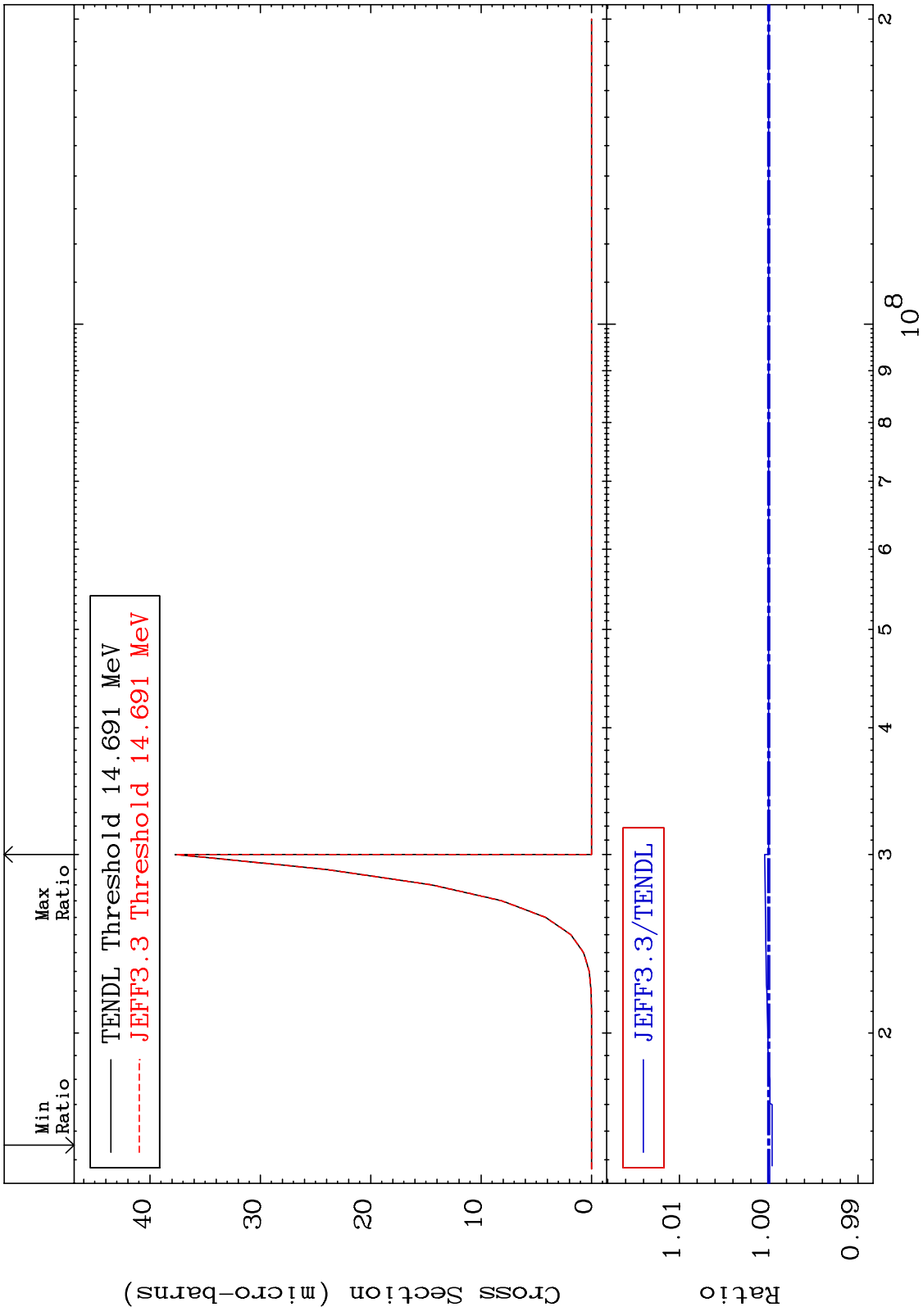
57

Incident Energy (eV)

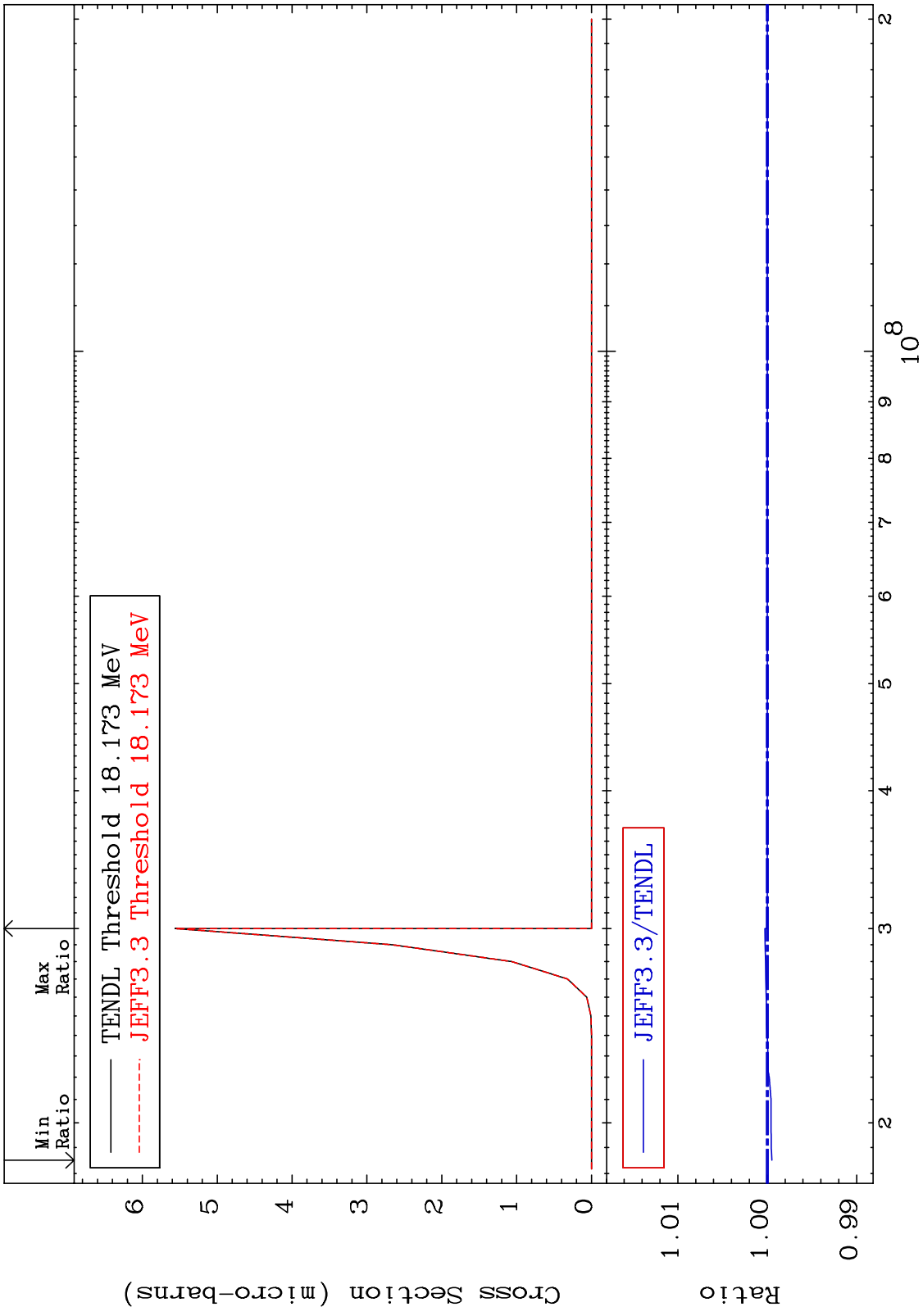
35-Br-79



MAT 3525 (n,p) d 35-Br-79
 Cross Section -0.038 To 0.044 %



MAT 3525 (n,p) t 35-Br-79
 Cross Section -0.053 To 0.026 %



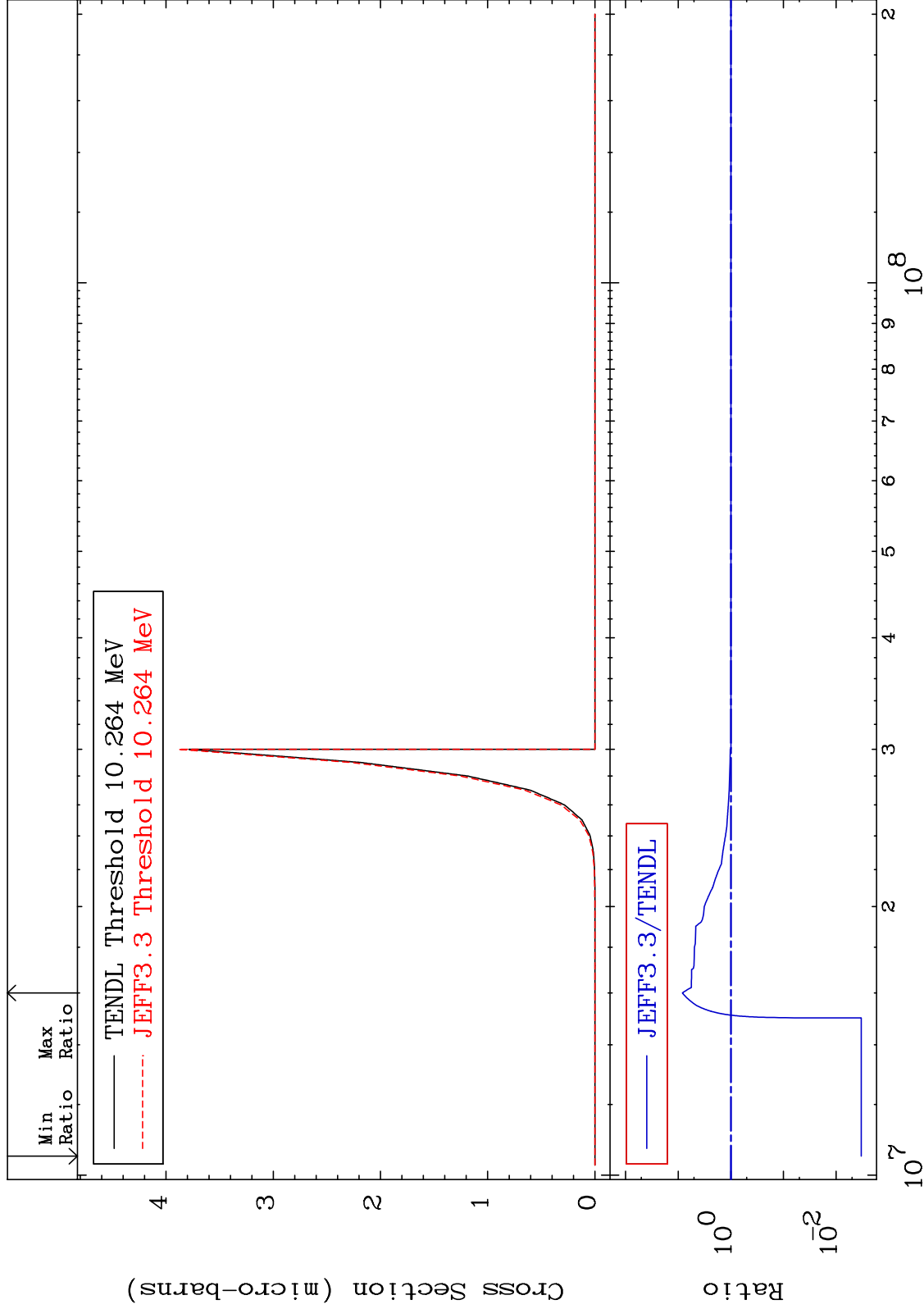
MAT 3525

(n,d) α

³⁵Br-79

Cross Section

-99.67 To 729.8 %



61

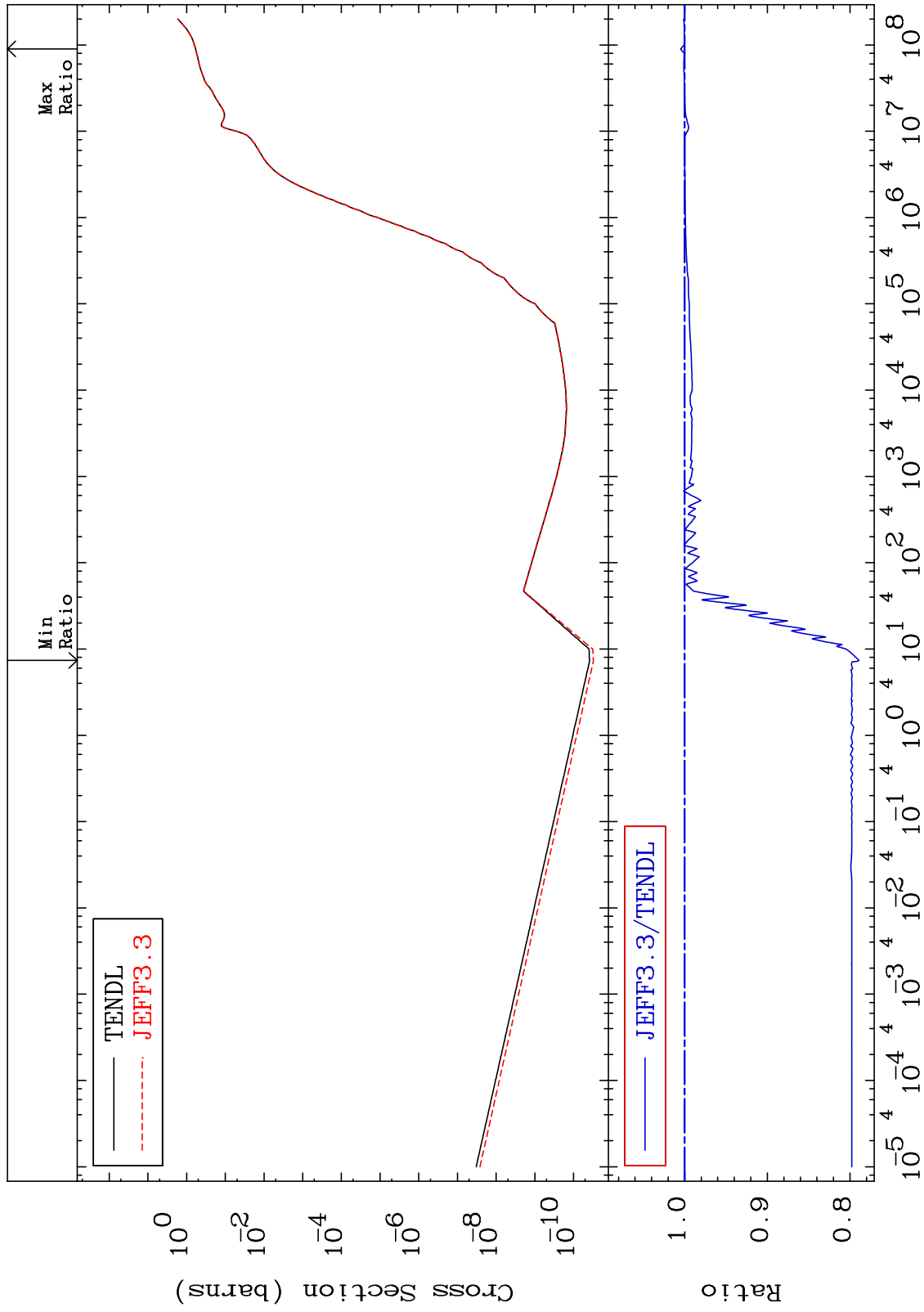
Incident Energy (eV)

³⁵Br-79

MAT 3525

Hydrogen Production
Cross Section

35-Br-79
-21.09 To 0.489 %



62

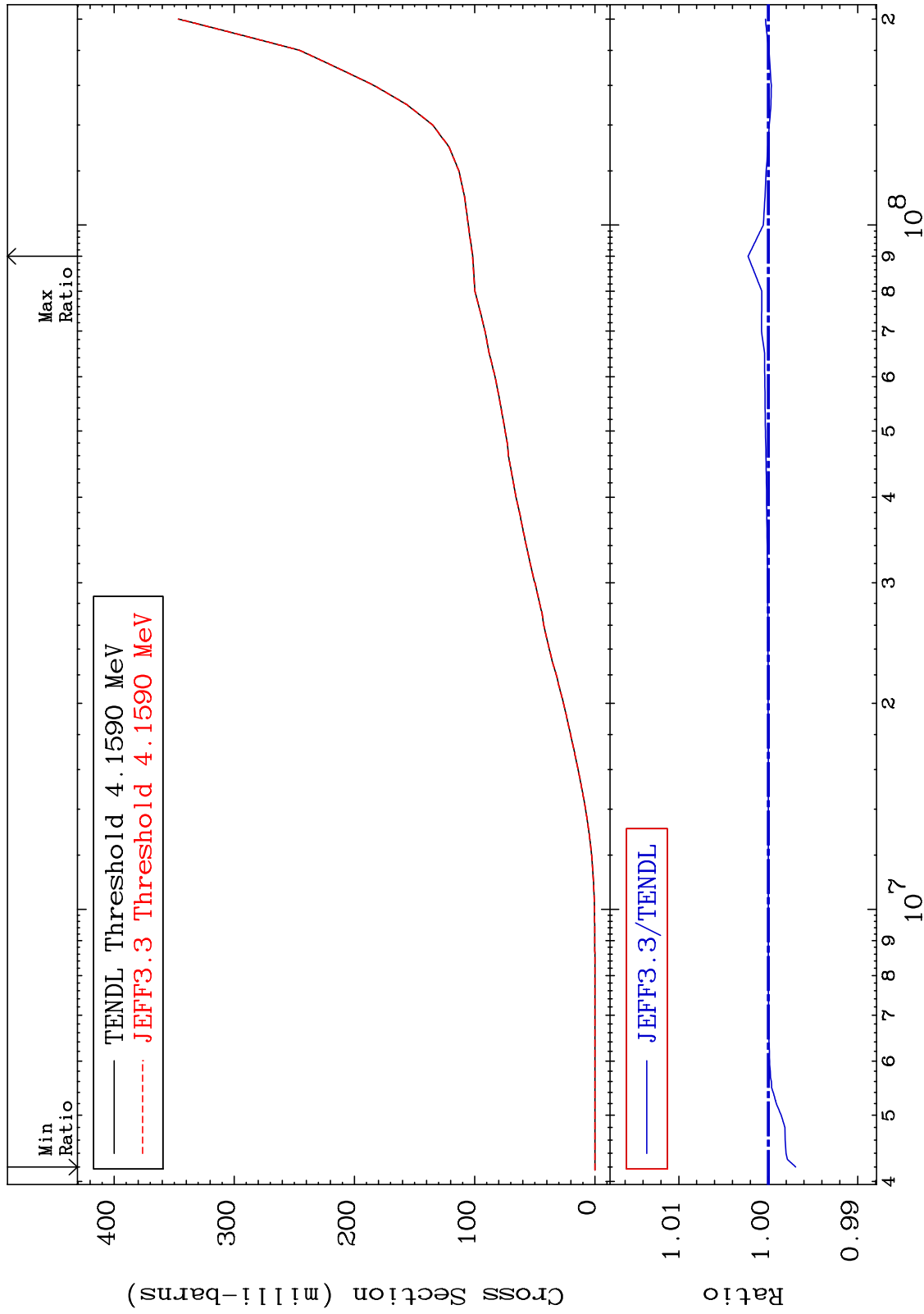
Incident Energy (eV)

35-Br-79

MAT 3525

Deuterium Production
Cross Section

35-Br-79
-0.307 To 0.226 %



63

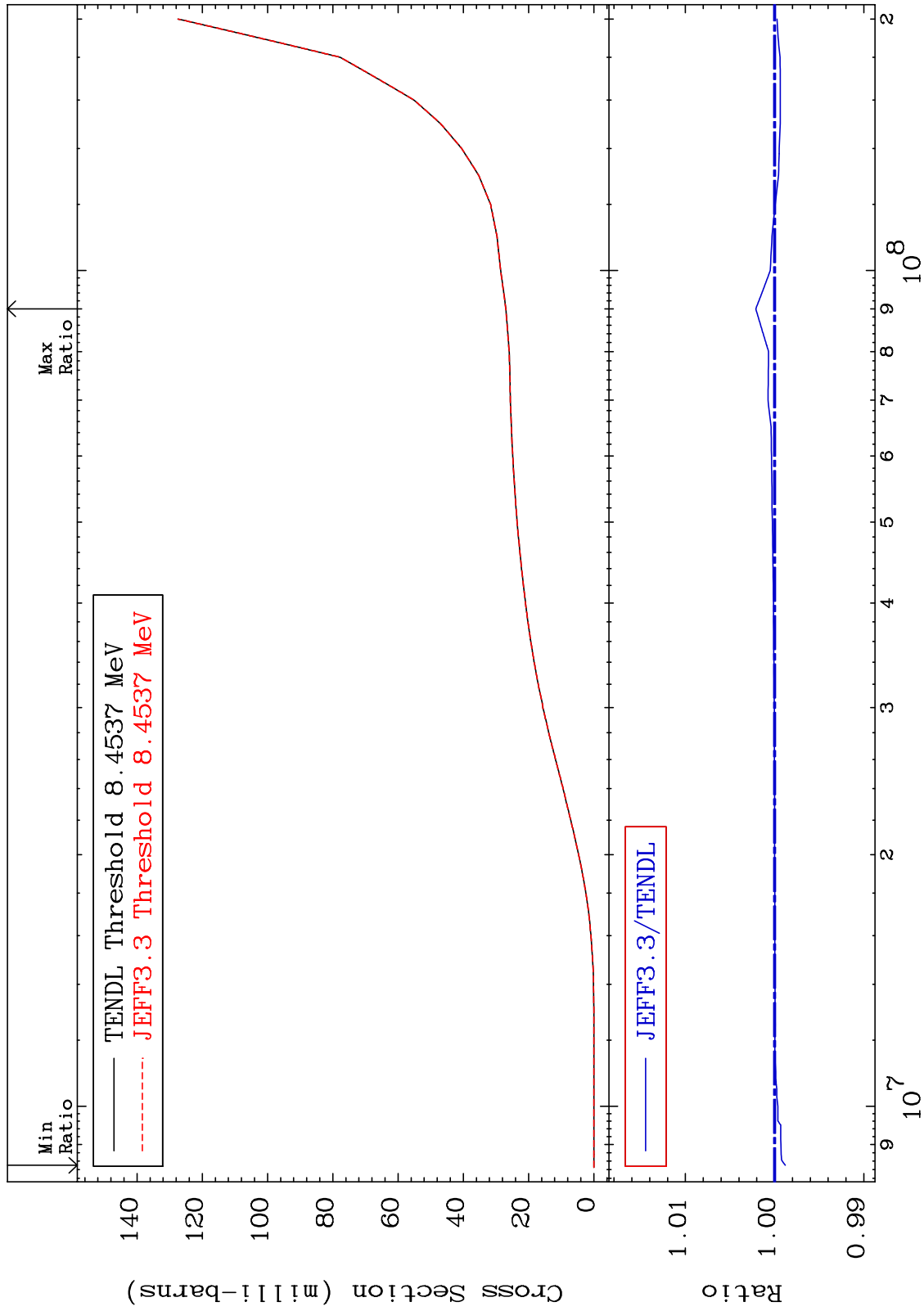
Incident Energy (eV)

35-Br-79

MAT 3525

Tritium Production
Cross Section

35-Br-79
-0.119 To 0.212 %



64

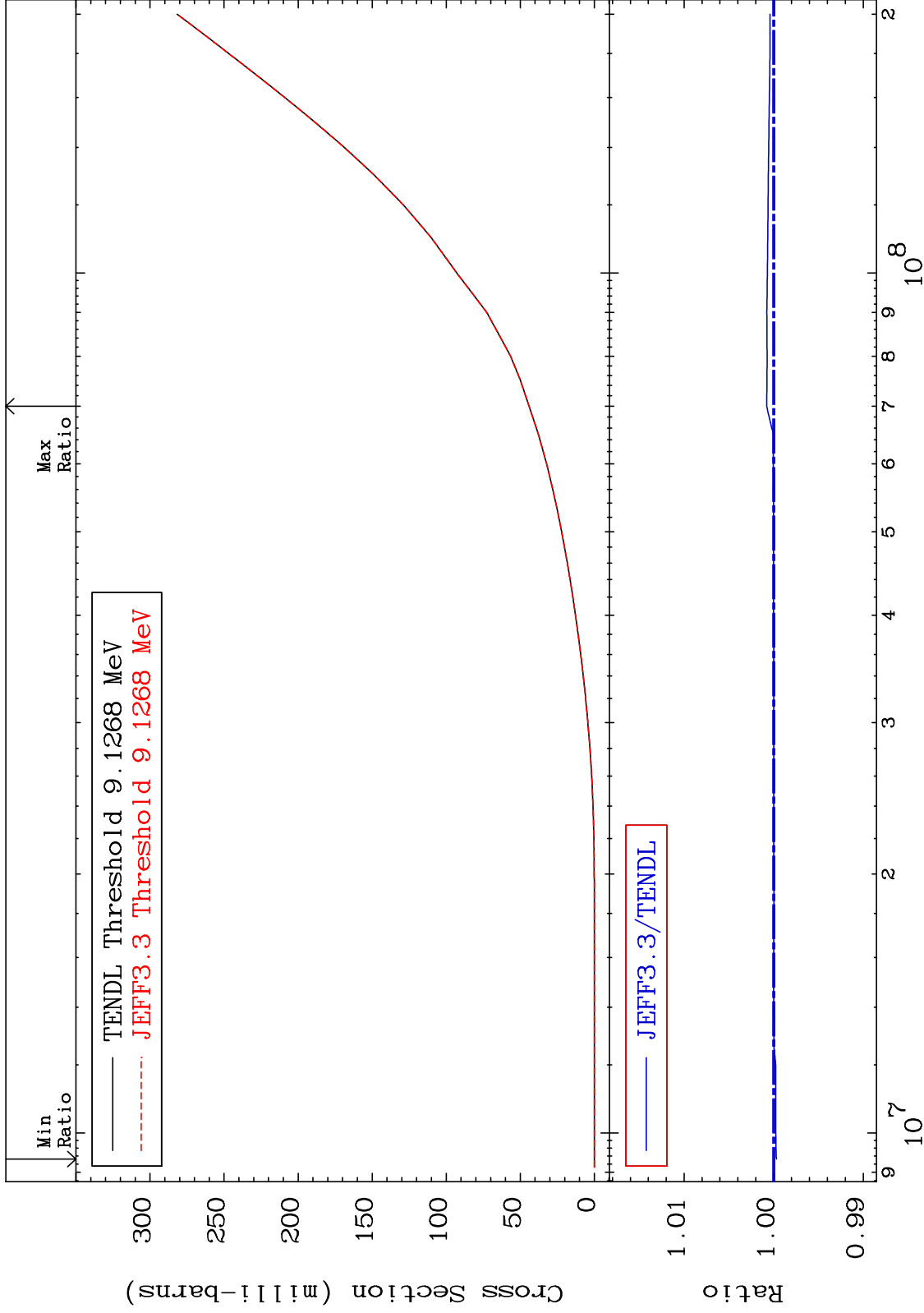
Incident Energy (eV)

35-Br-79

MAT 3525

He-3 Production
Cross Section

35-Br-79
-0.032 To 0.078 %



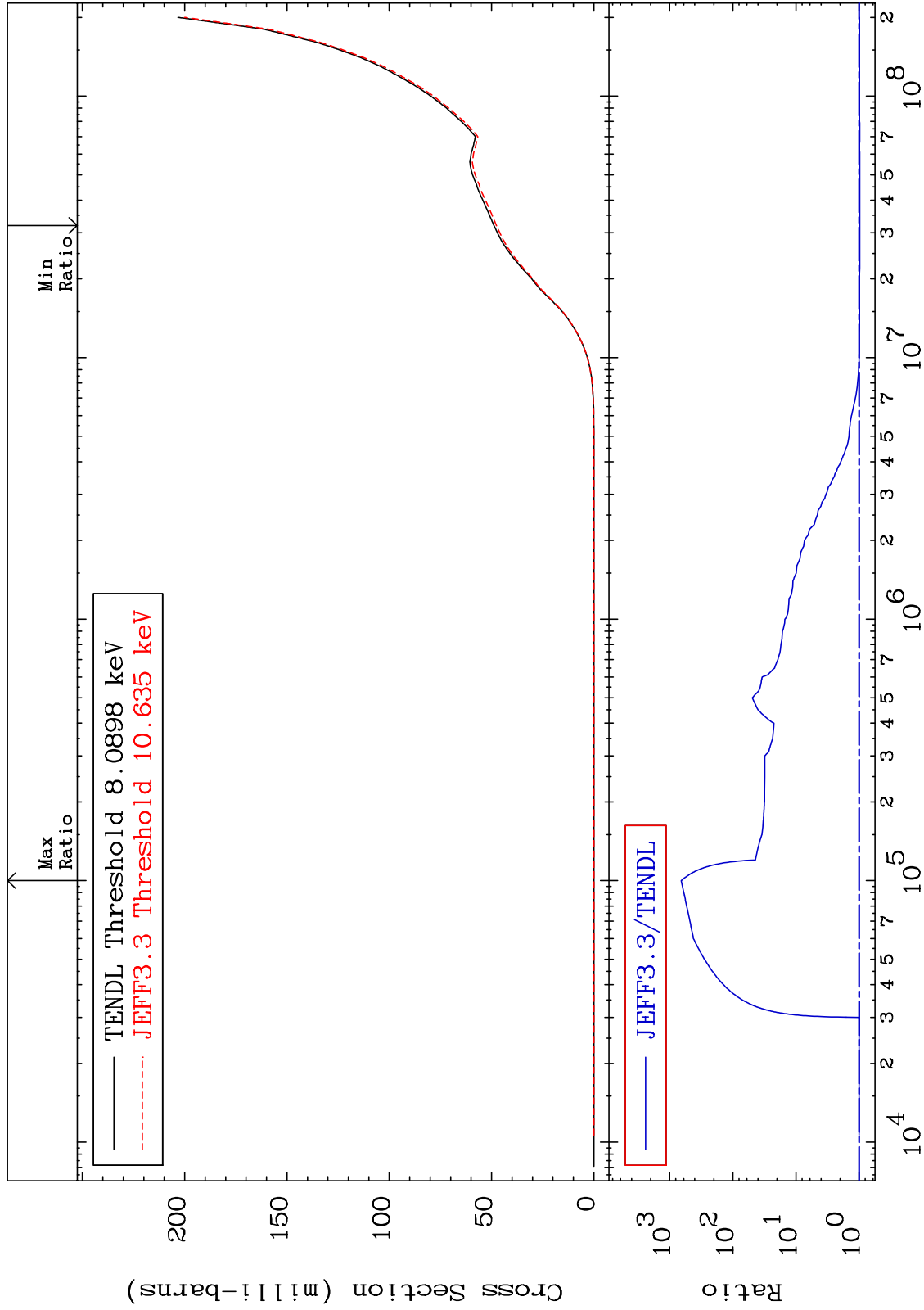
65

35-Br-79

MAT 3525

He-4 Production
Cross Section

35-Br-79
-2.521 To 9999. %



66

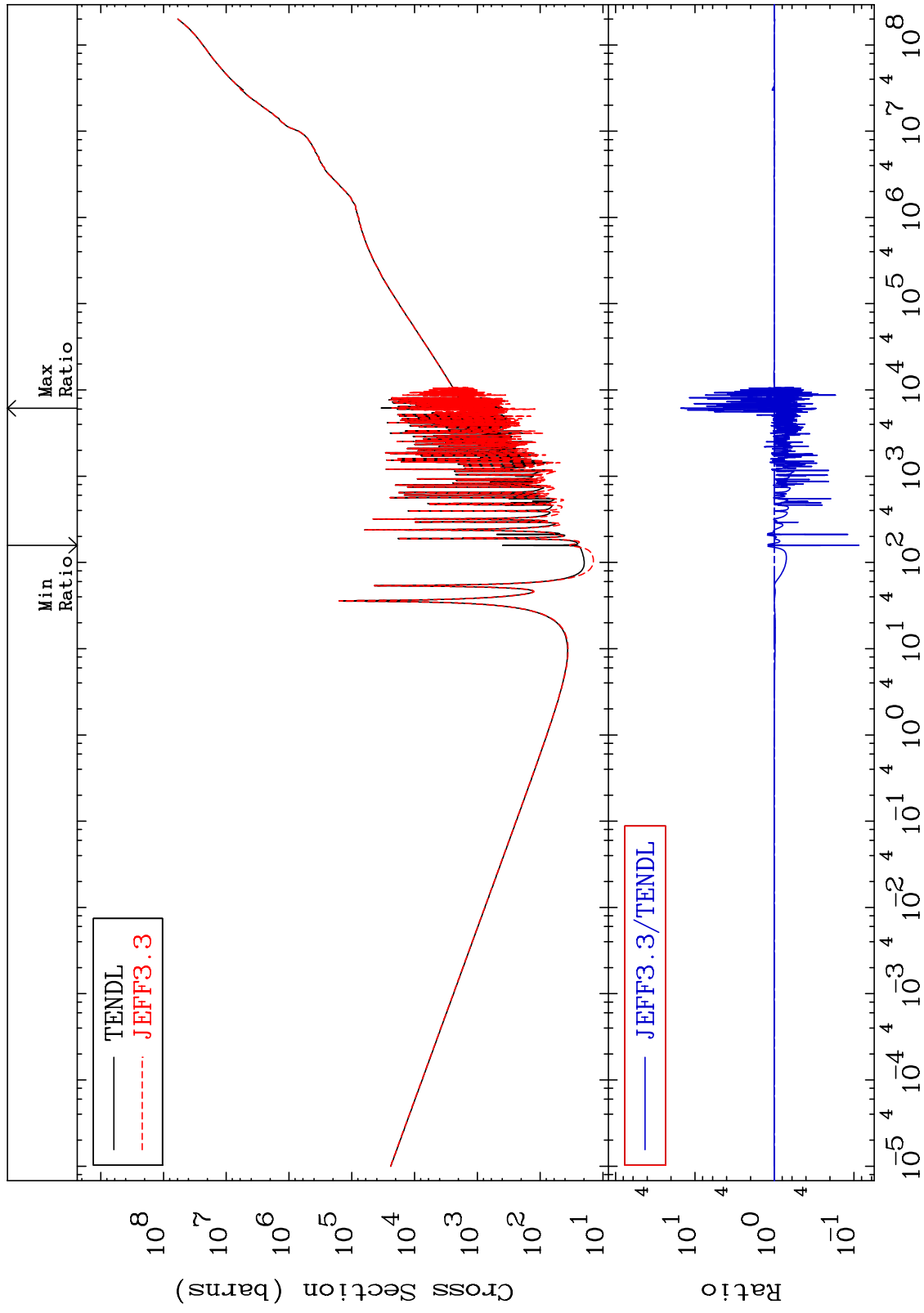
Incident Energy (eV)

35-Br-79

MAT 3525

Kerma total (eV-barns)
Cross Section

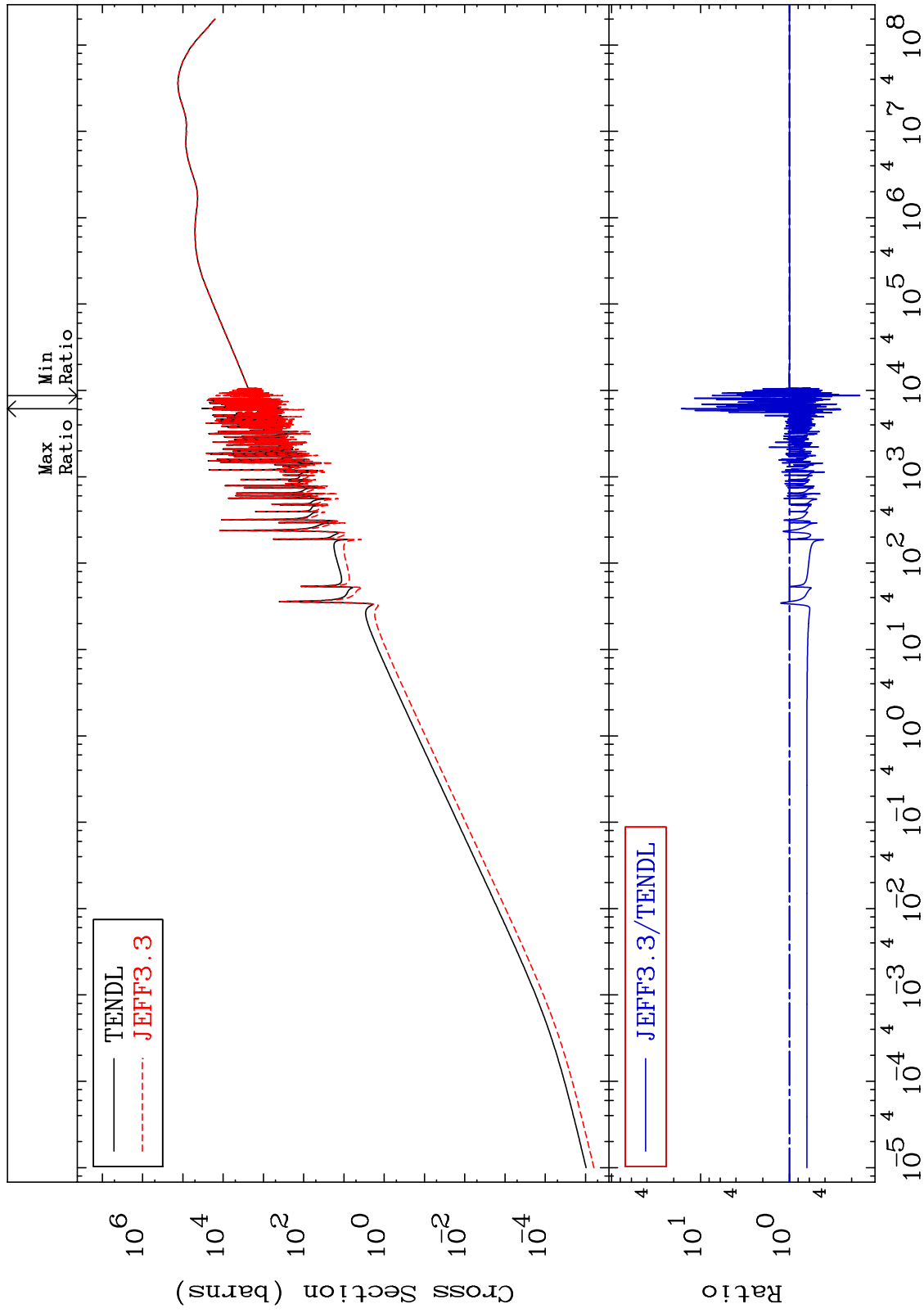
35-Br-79
-91.38 To 1415. %



MAT 3525

Kerma elastic
Cross Section

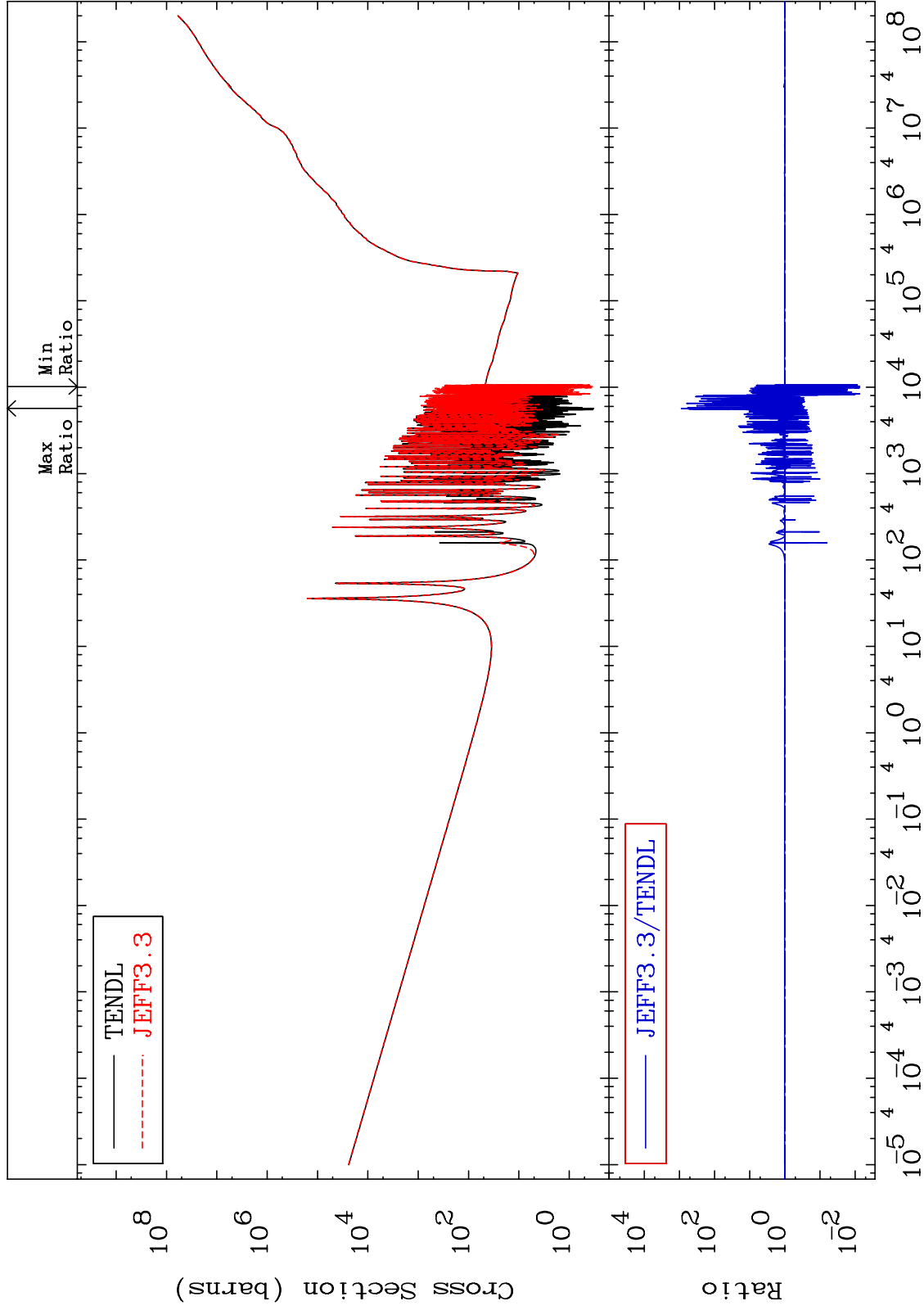
35-Br-79
-83.76 To 1549. %

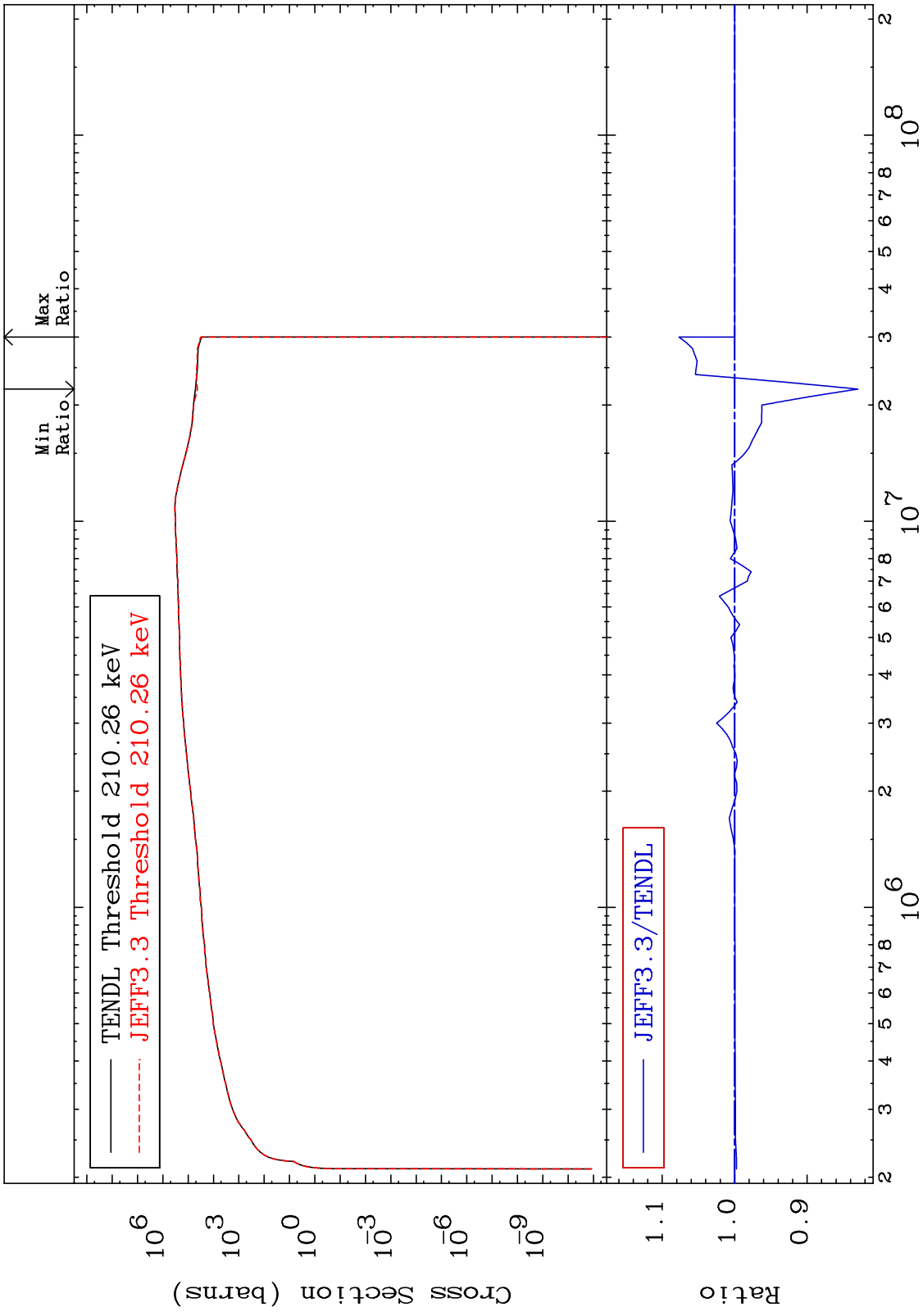


MAT 3525

Kerma non-elastic (all but mt2)
Cross Section

35-Br-79
-99.27 To 9999. %

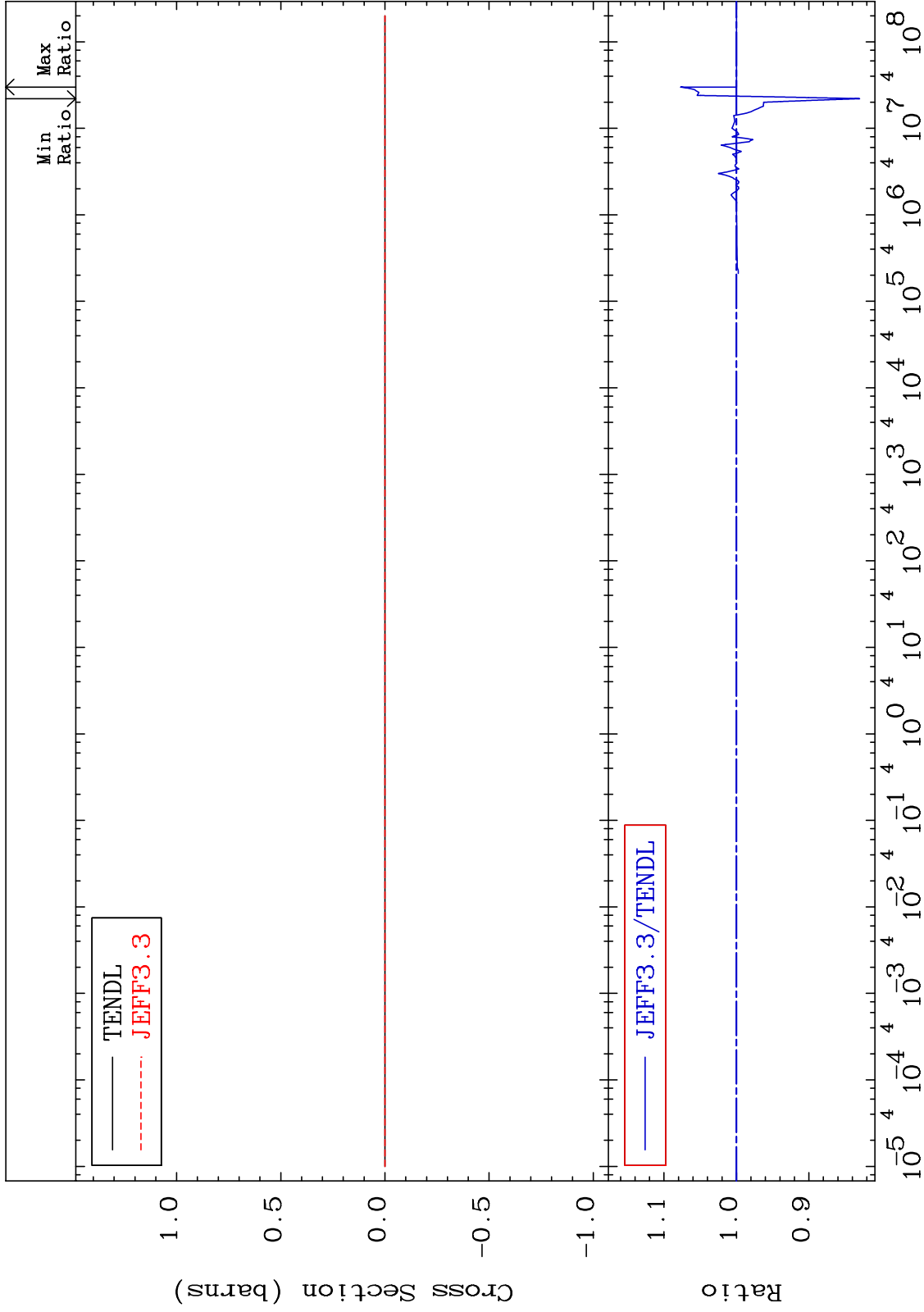




MAT 3525

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

35-Br-79
-17.00 To 7.680 %



71

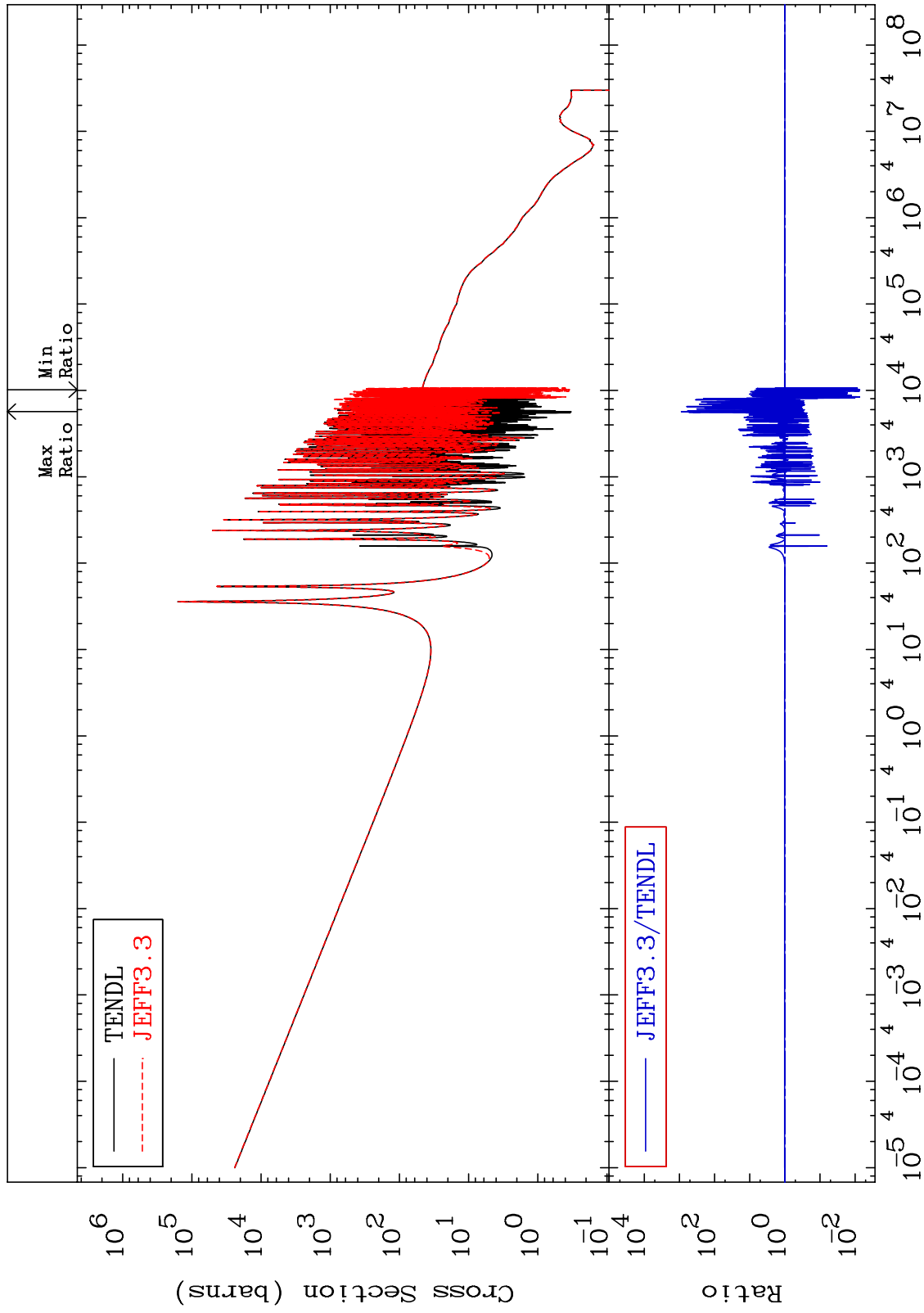
Incident Energy (eV)

35-Br-79

MAT 3525

Kerma capture (mt102)
Cross Section

35-Br-79
-99.27 To 9999. %



72

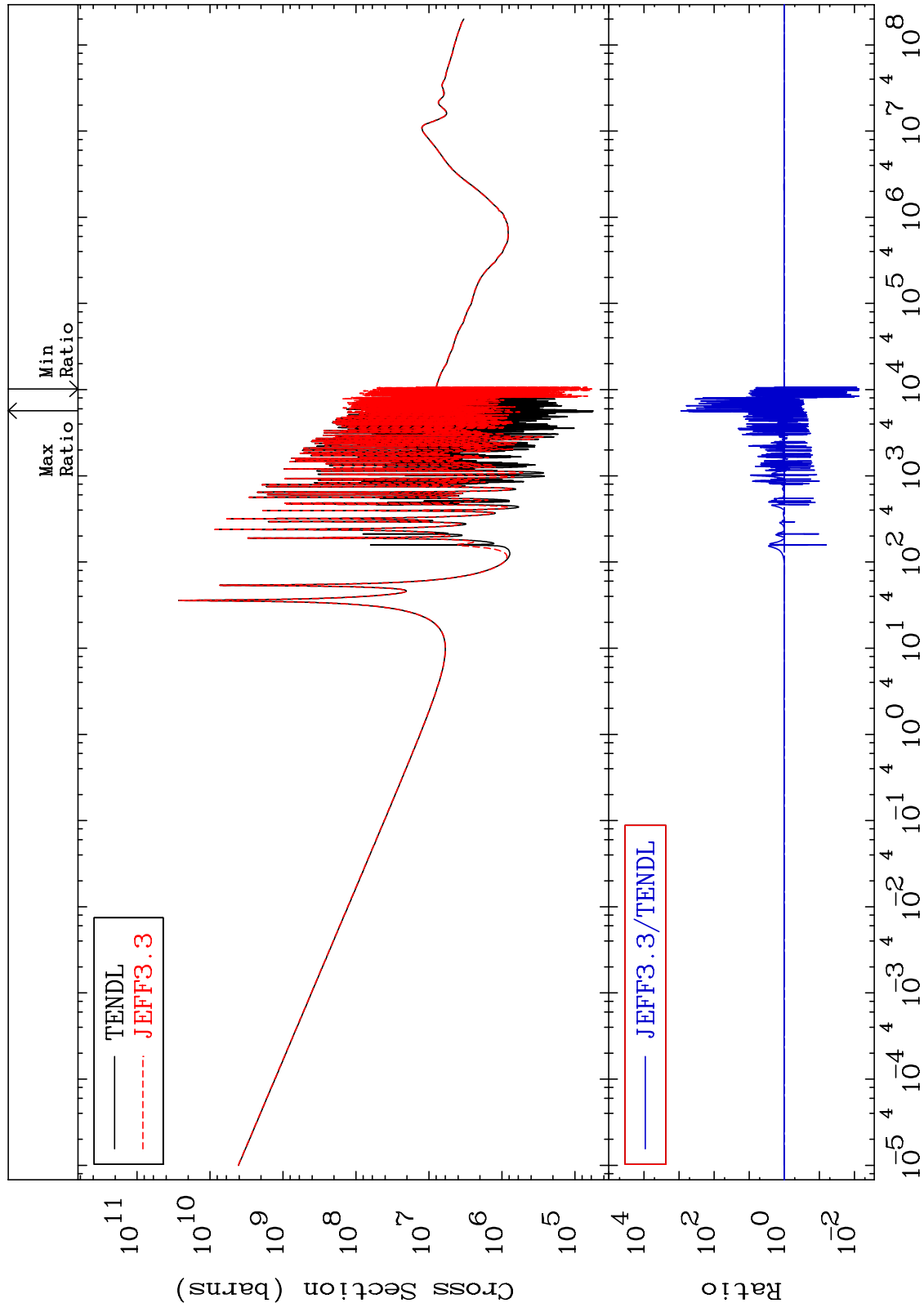
Incident Energy (eV)

35-Br-79

MAT 3525

Total photon (eV-barns)
Cross Section

35-Br-79
-99.27 To 9999. %

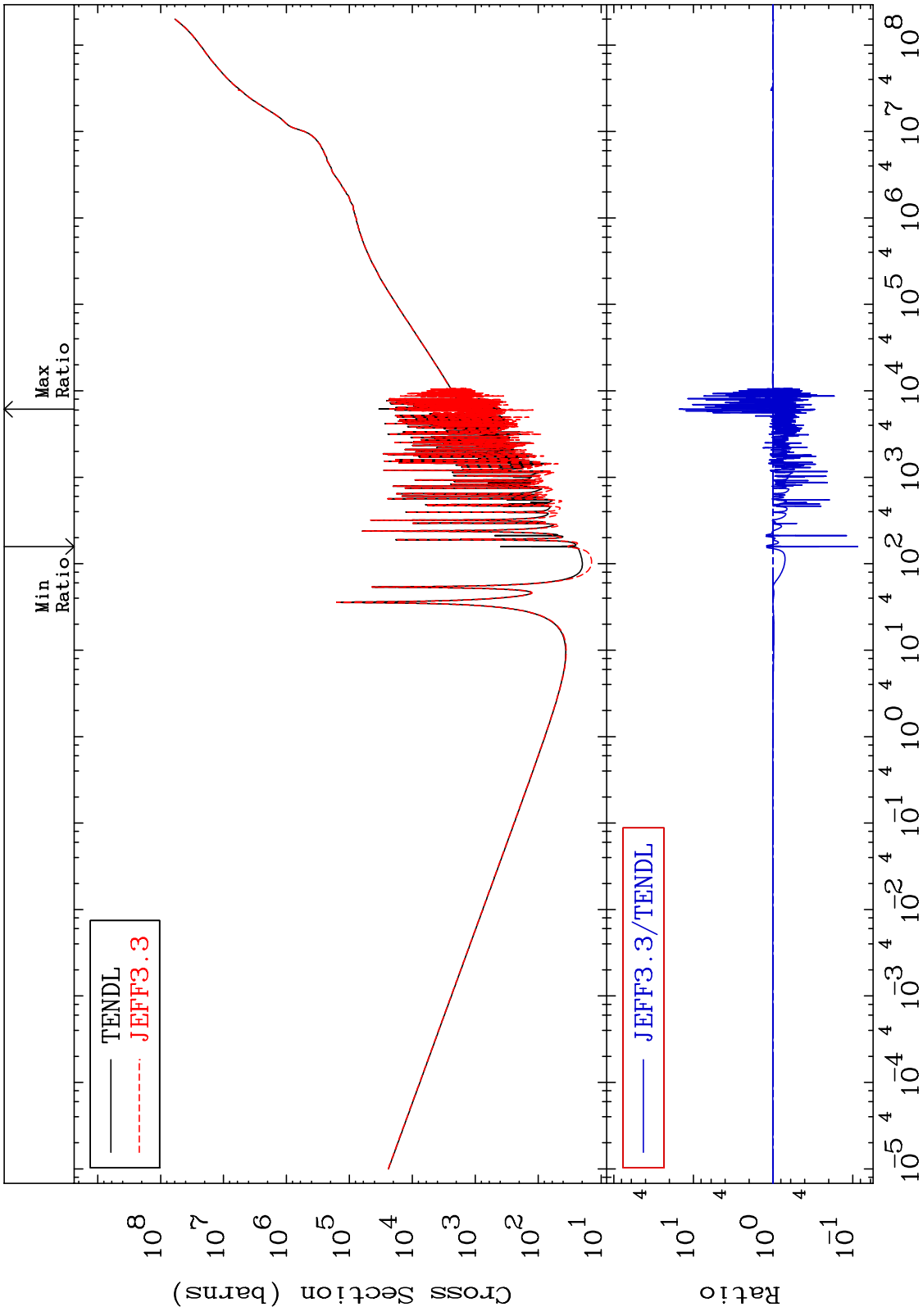


73

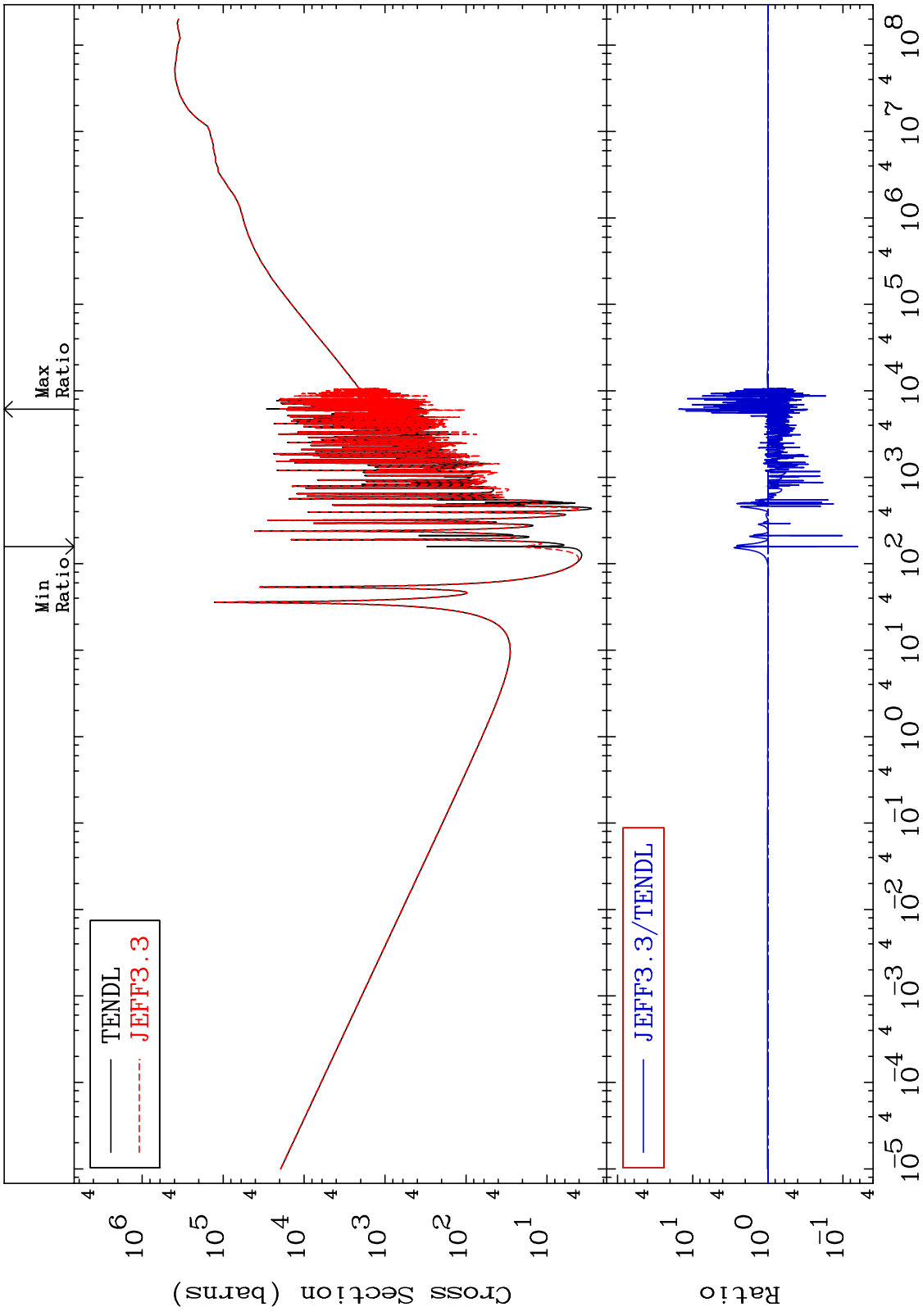
Incident Energy (eV)

35-Br-79

MAT 3525 Total kinematic kerma (high limit) 35-Br-79
 -91.38 To 1415. %
 Cross Section



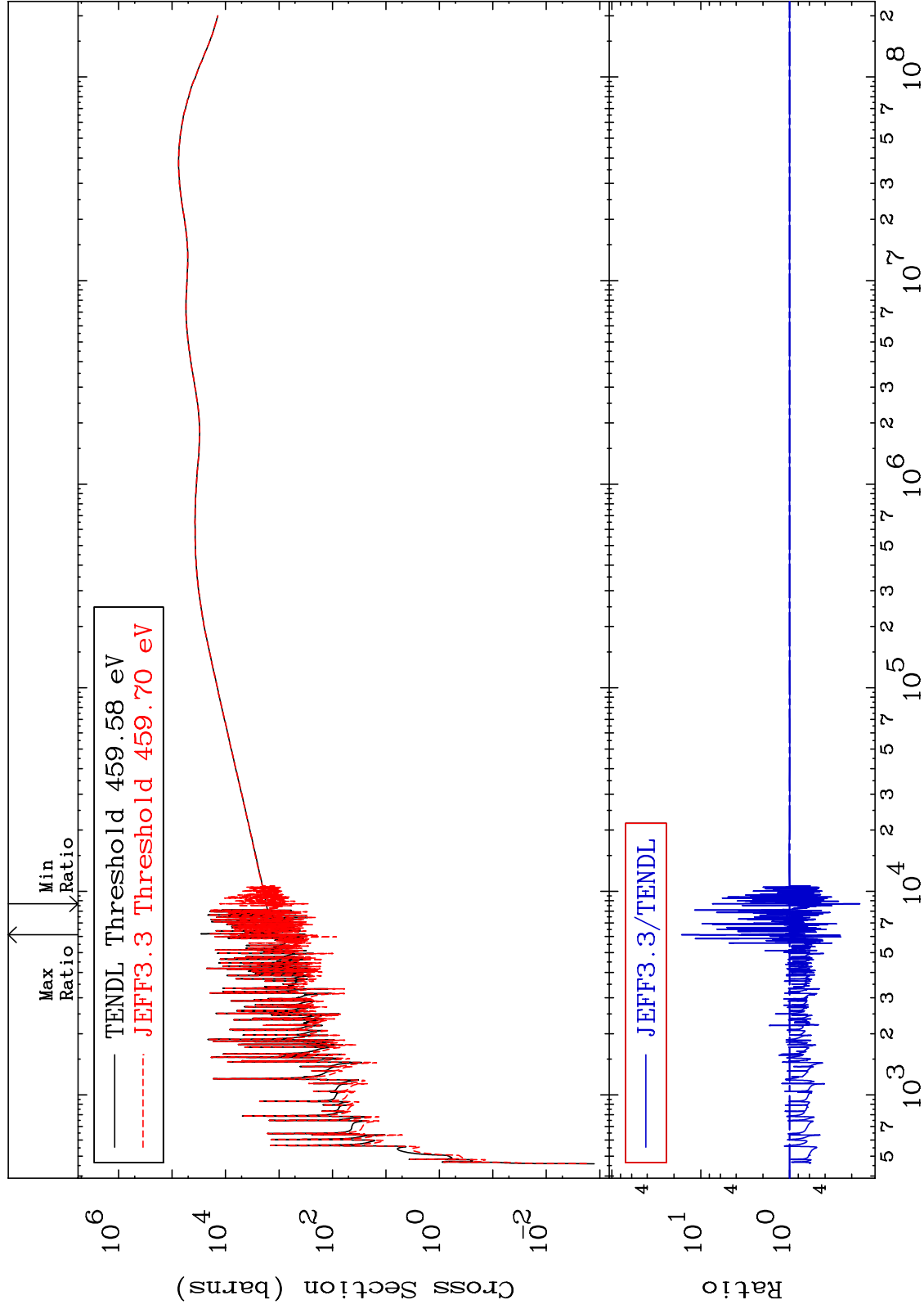
MAT 3525 Dpa total (eV-barns) 35-Br-79
 Cross Section -93.66 To 1421. %



MAT 3525

Dpa elastic (mt2)
Cross Section

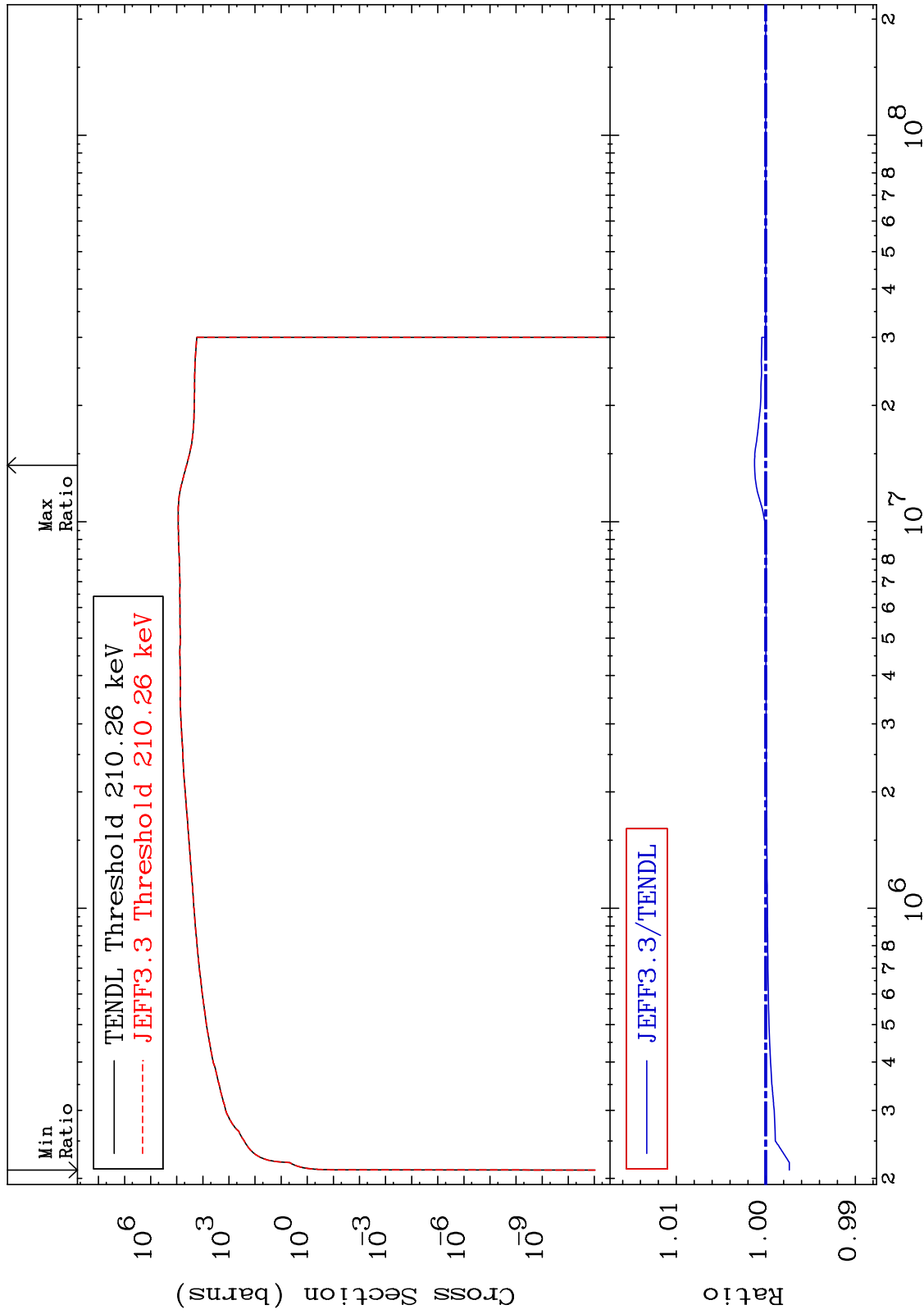
35-Br-79
-83.76 To 1549. %



MAT 3525

Dpa inelastic (mt51-91)
Cross Section

35-Br-79
-0.262 To 0.126 %



77

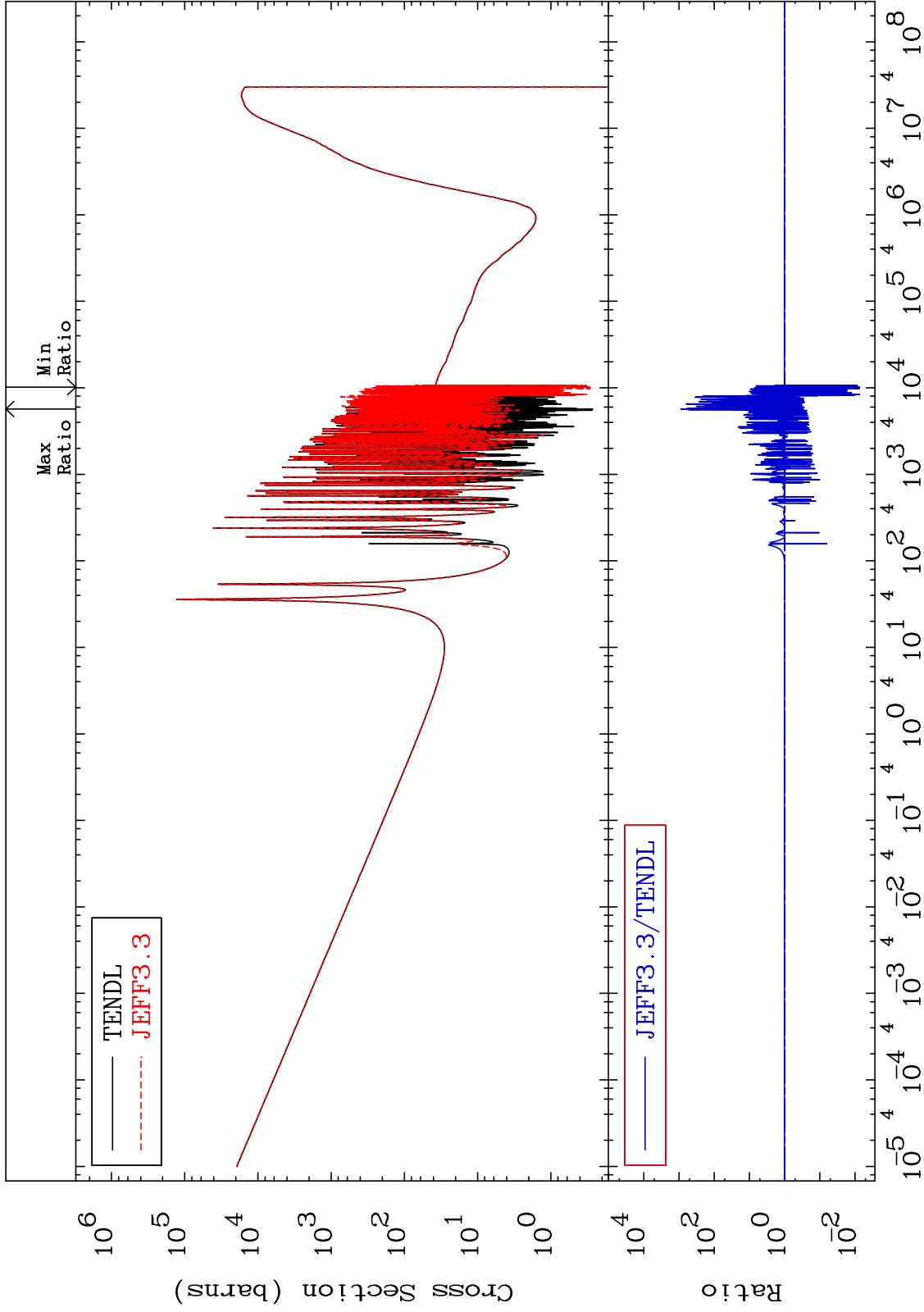
Incident Energy (eV)

35-Br-79

MAT 3525

Dpa disappearance (mt102 -120)
Cross Section

35-Br-79
-99.27 To 9999. %



78

Incident Energy (eV)

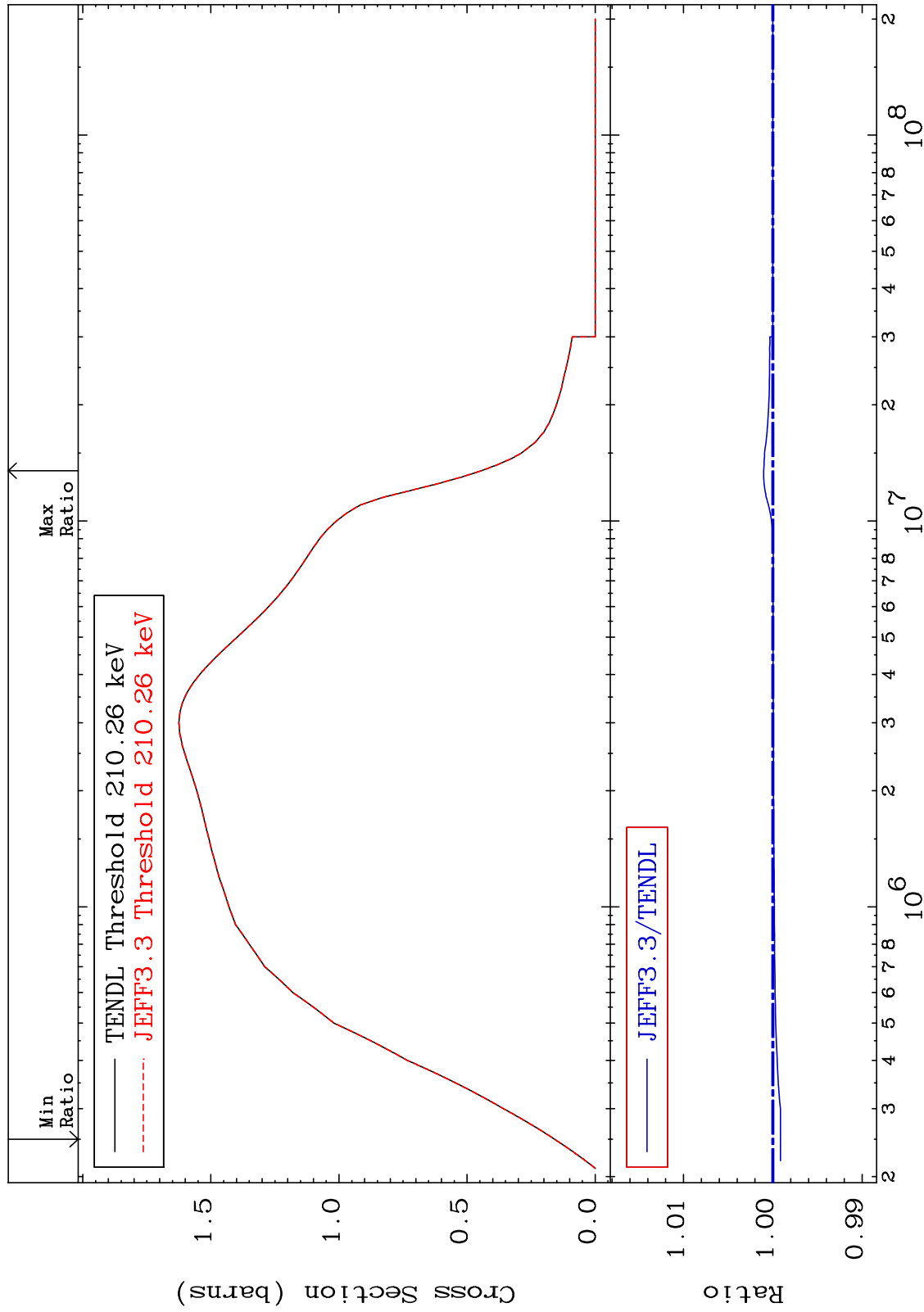
35-Br-79

MAT 3525

35-Br-79

Inelastic: 35-Br-79g

Radionuclide Production Cross Section -0.085 To 0.103 %



79

Incident Energy (eV)

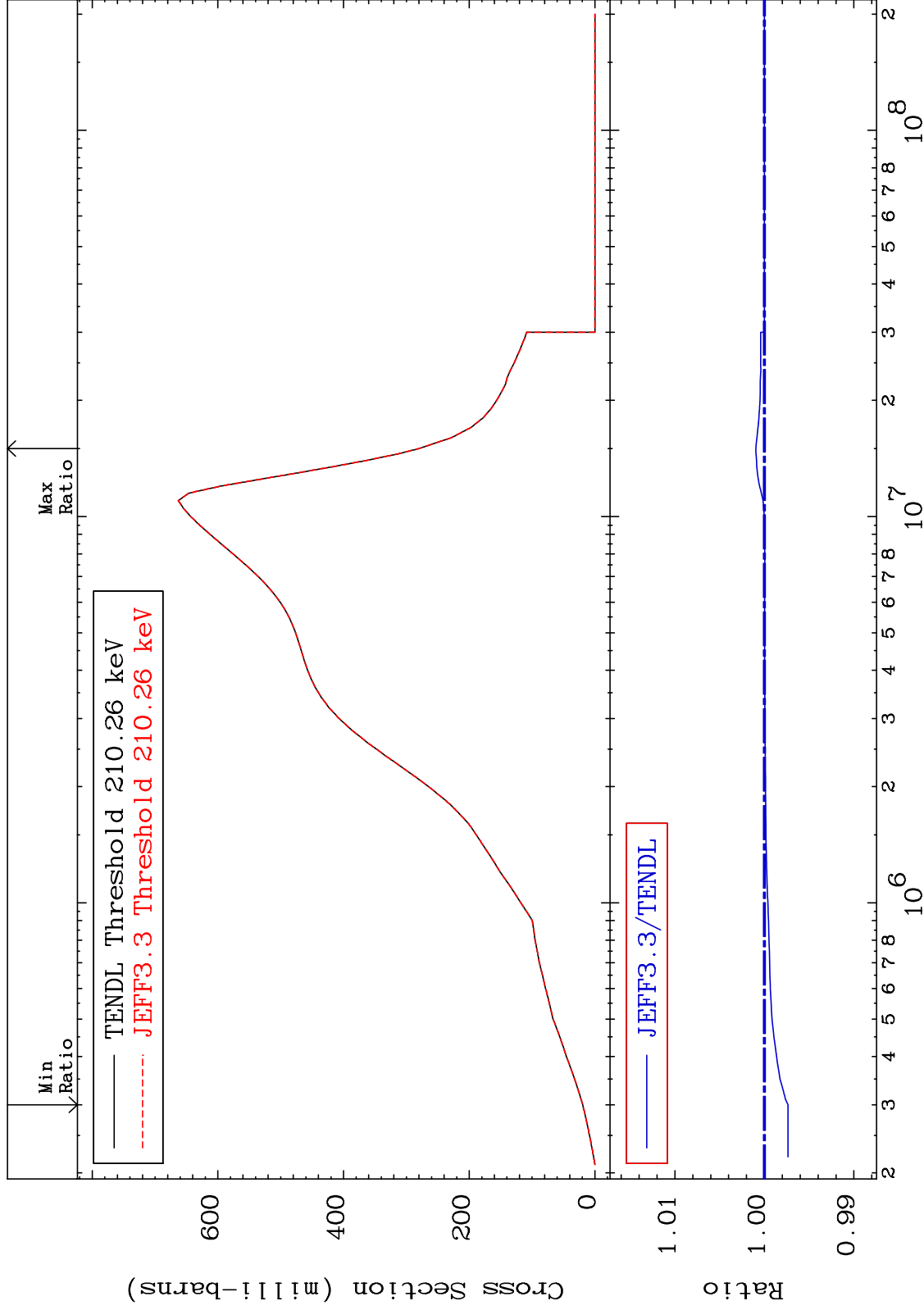
35-Br-79

MAT 3525

Inelastic: 35-Br-79m1

35-Br-79

Radionuclide Production Cross Section -0.262 To 0.096 %



80

Incident Energy (eV)

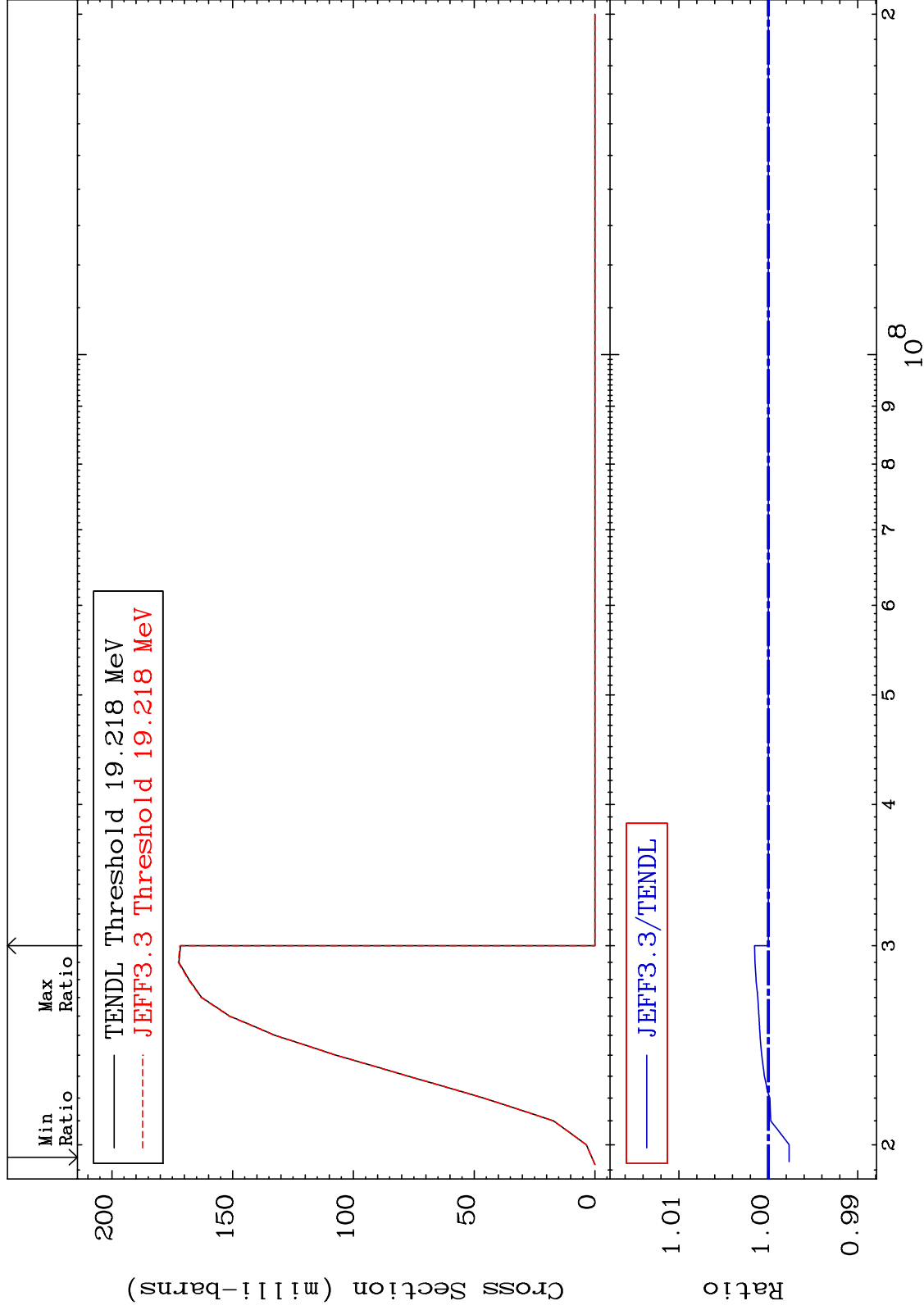
35-Br-79

MAT 3525

(n,3n):35-Br-77g

35-Br-79

Radionuclide Production Cross Section -0.233 To 0.154 %

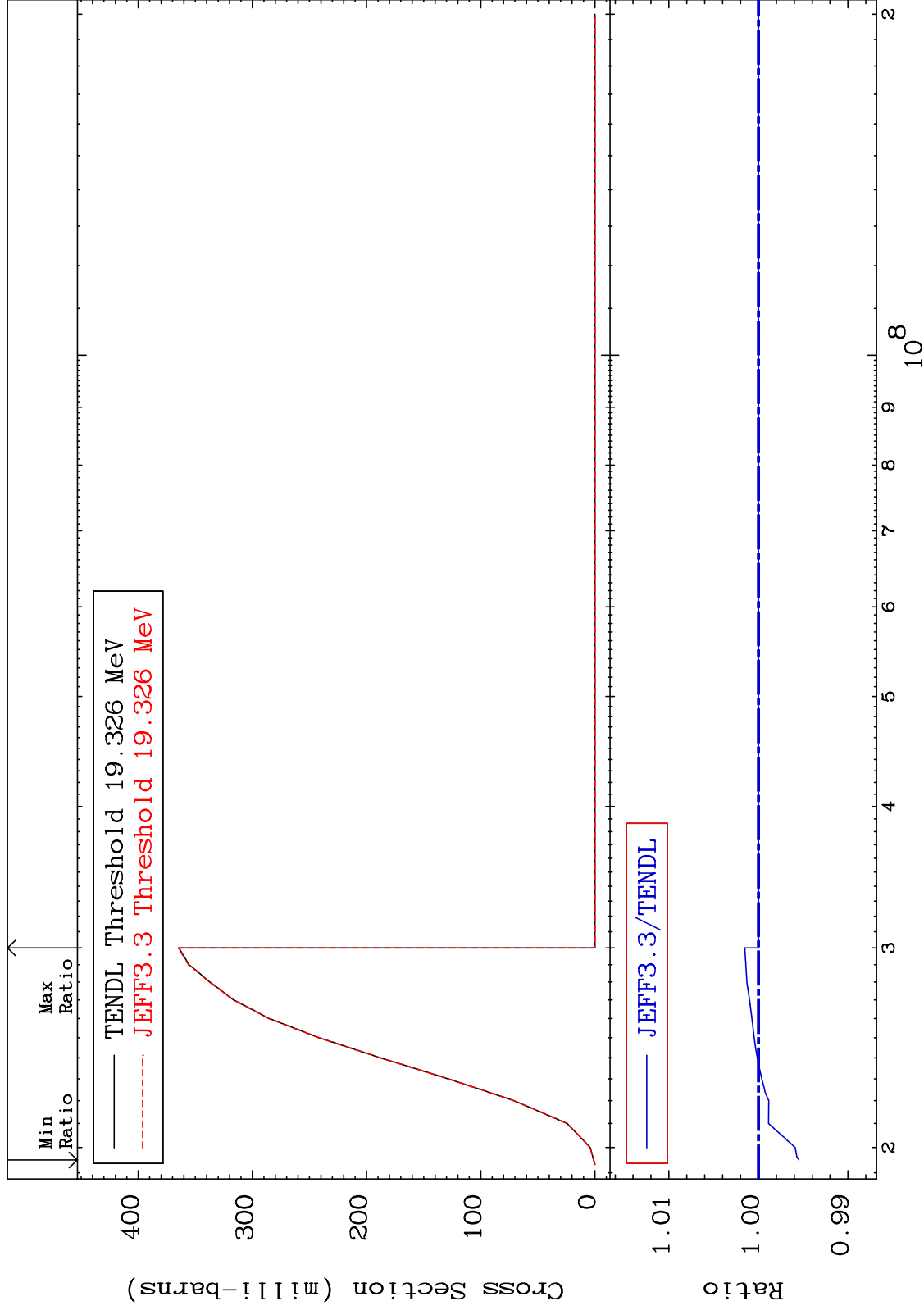


MAT 3525

(n,3n):35-Br-77m1

35-Br-79

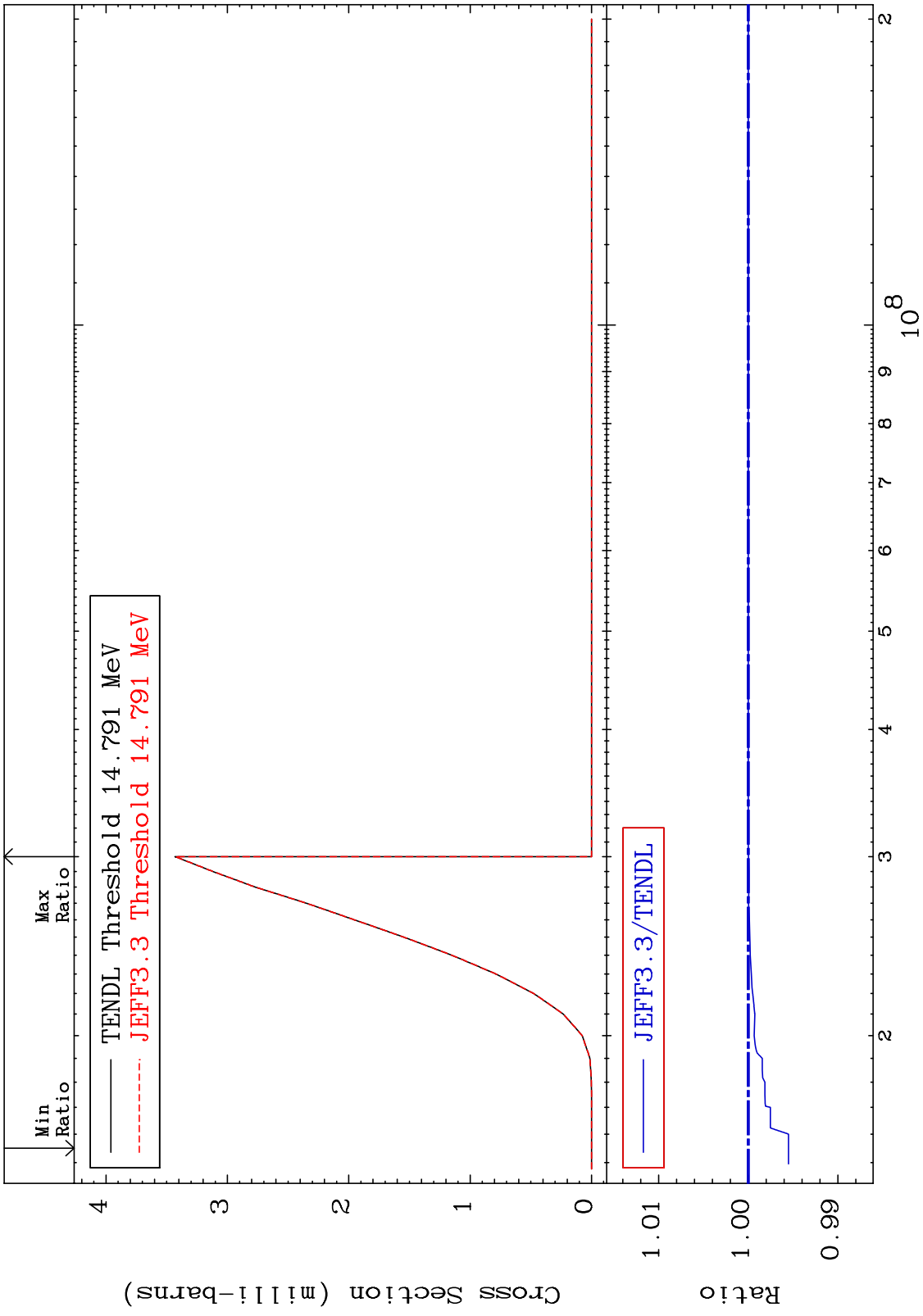
Radionuclide Production Cross Section -0.453 To 0.153 %



82

Incident Energy (eV)

35-Br-79

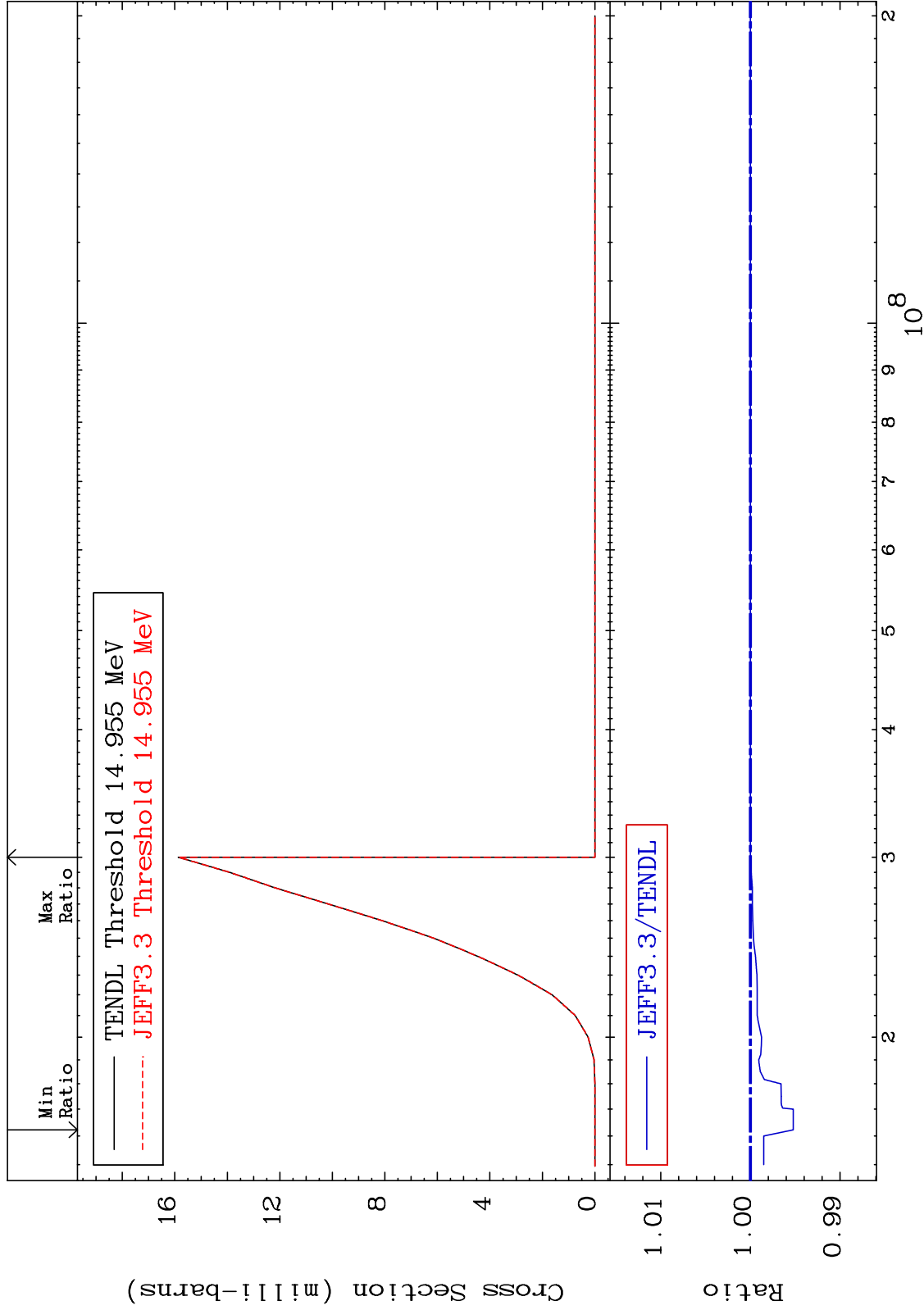


MAT 3525

(n, n') d:34-Se-77m1

35-Br-79

Radionuclide Production Cross Section -0.478 To 0.000 %

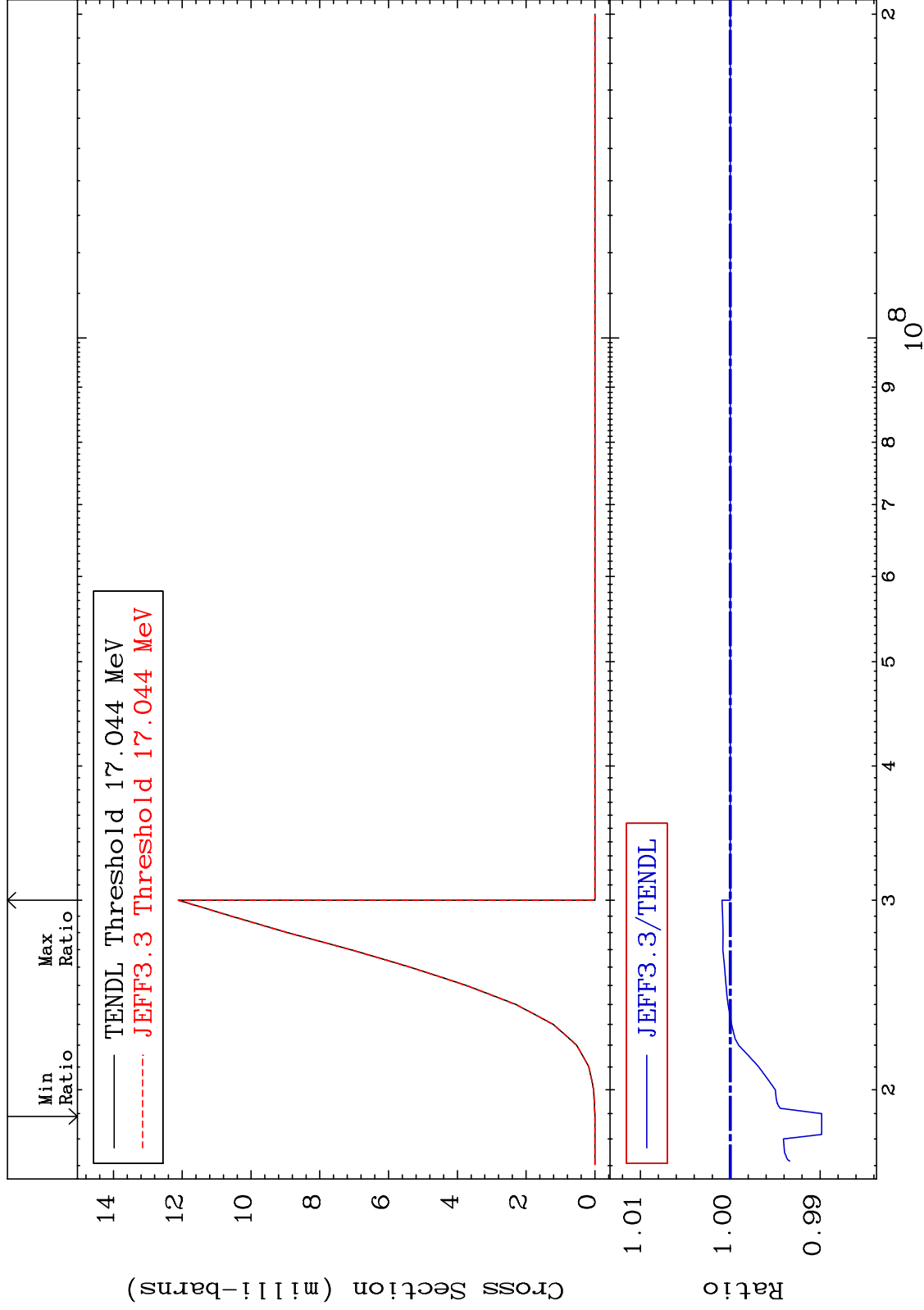


MAT 3525

(n,2n) p:34-Se-77g

35-Br-79

Radionuclide Production Cross Section -1.019 To 0.092 %

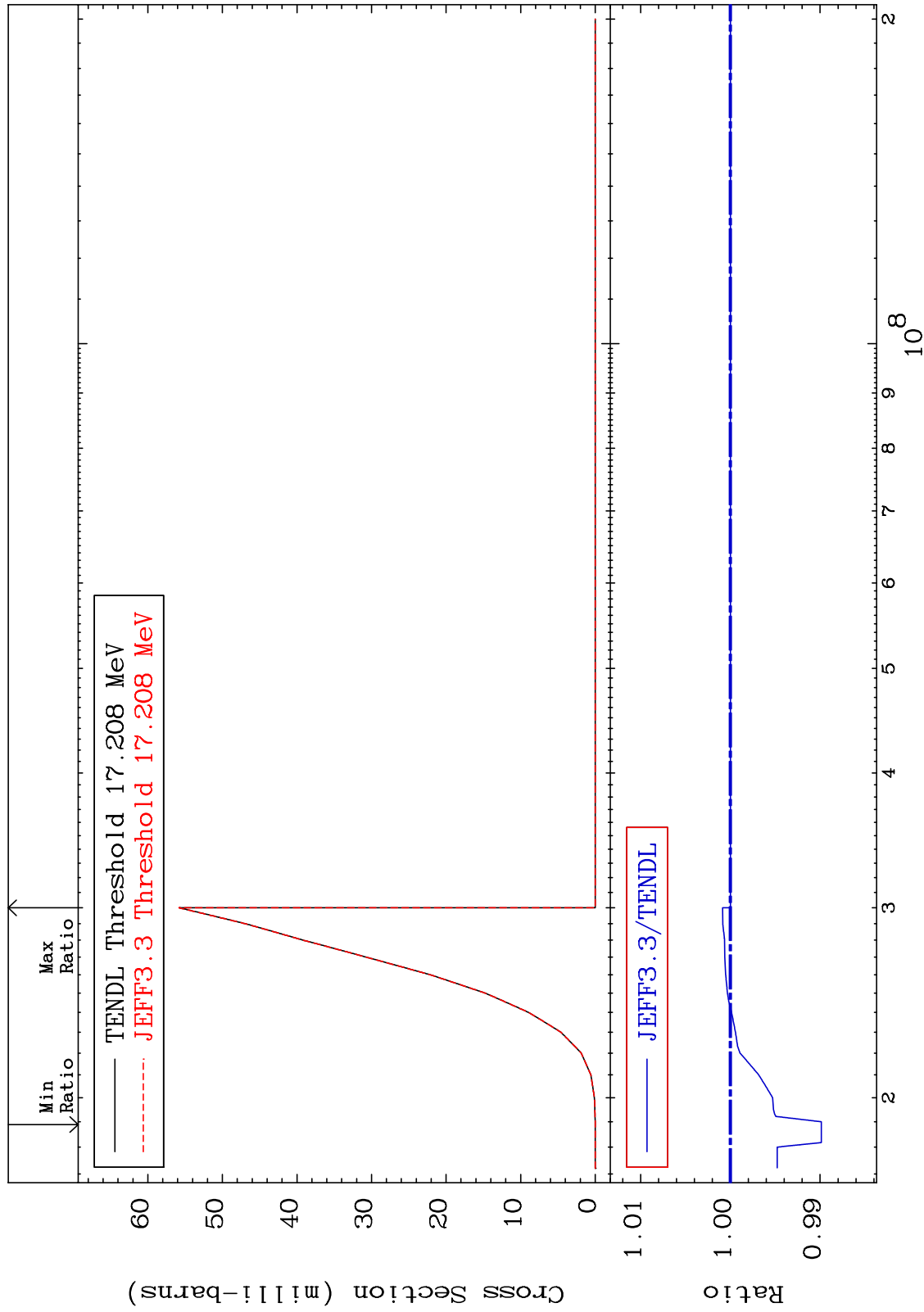


85

Incident Energy (eV)

35-Br-79

Radionuclide Production Cross Section -1.014 To 0.086 %

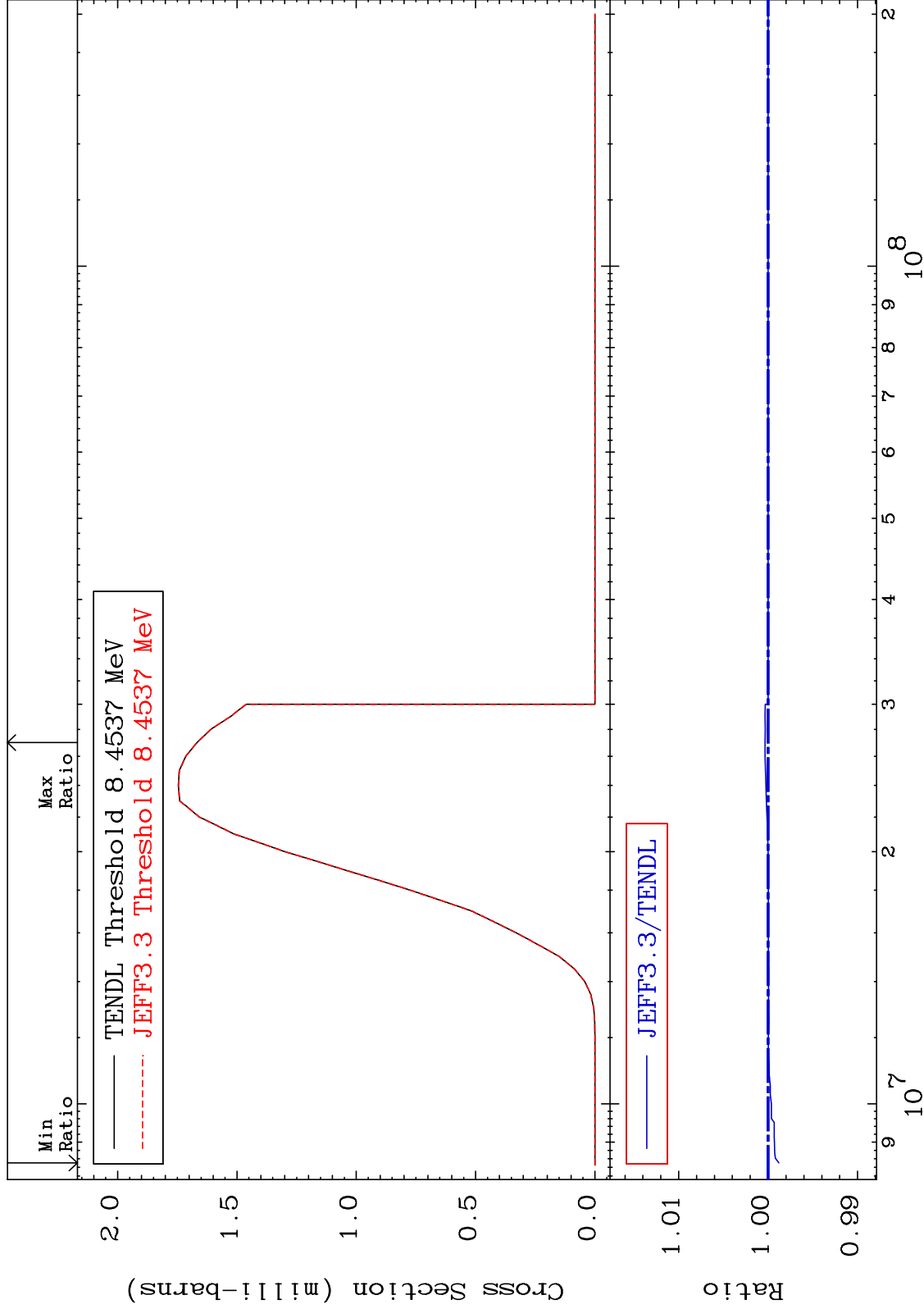


MAT 3525

(n, t) : 34-Se-77g

35-Br-79

Radionuclide Production Cross Section -0.119 To 0.035 %



87

35-Br-79

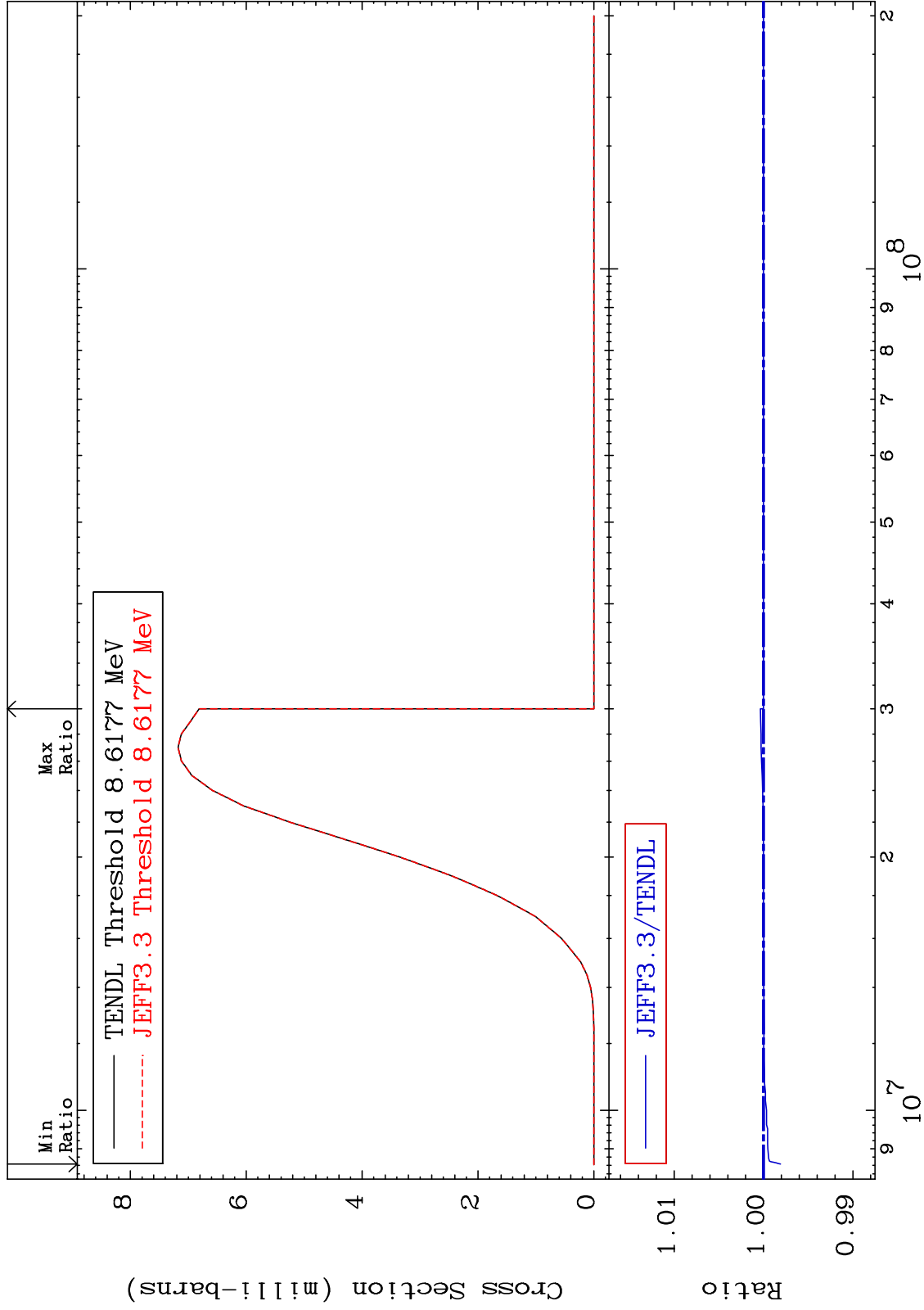
35-Br-79

MAT 3525

(n, t) : 34-Se-77m1

35-Br-79

Radionuclide Production Cross Section -0.191 To 0.034 %

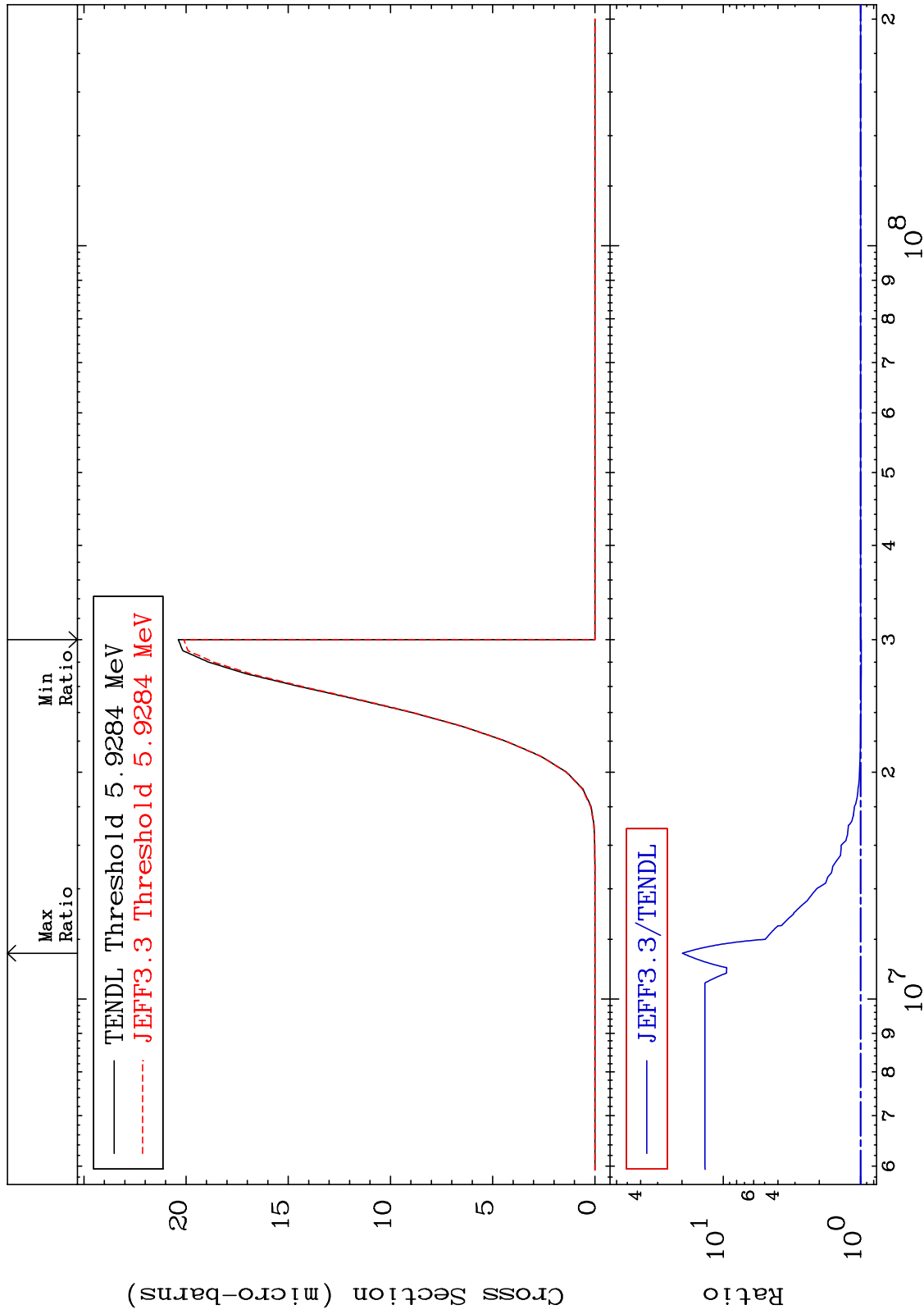


88

35-Br-79

MAT 3525

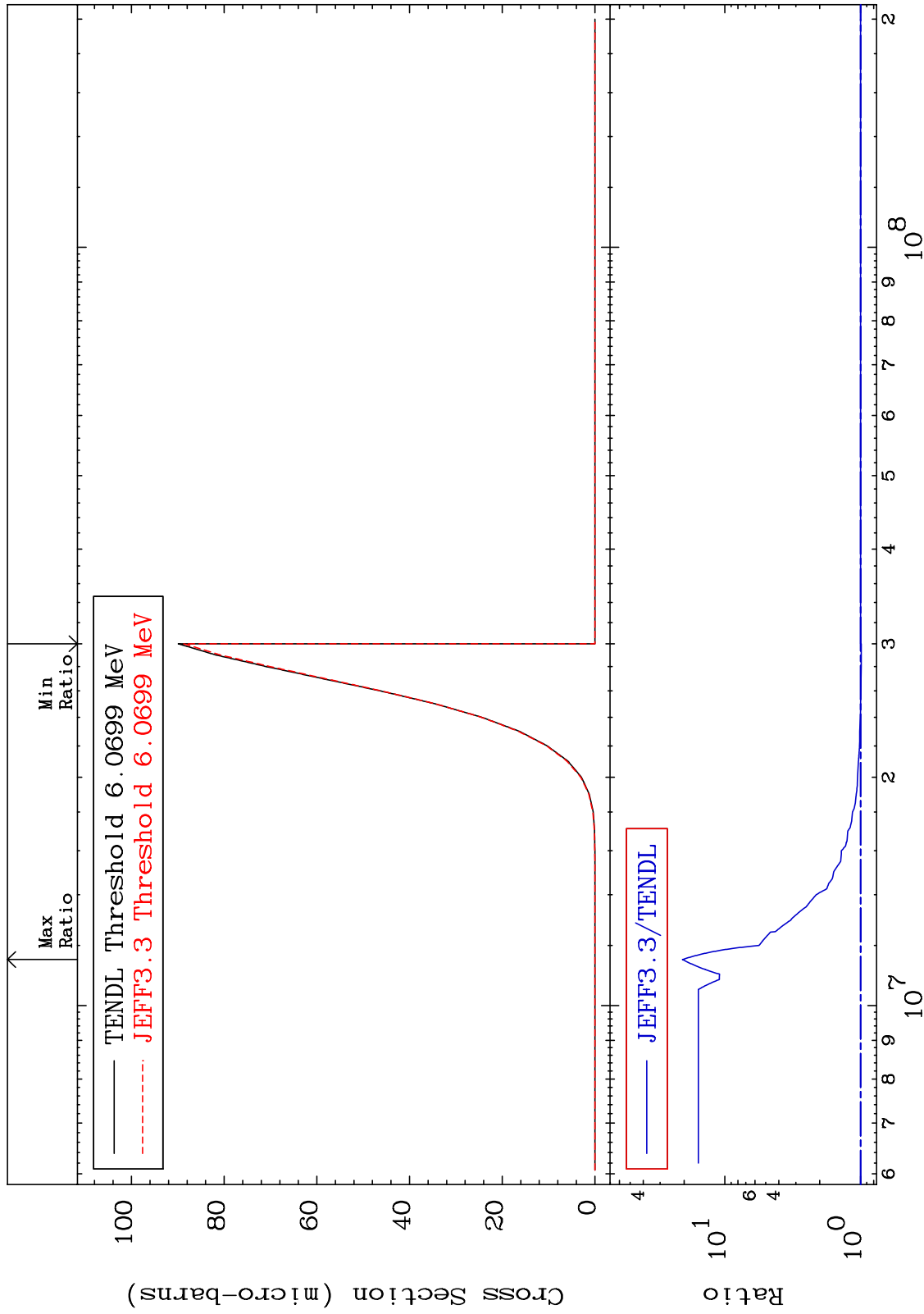
(n, p) α :32-Ge-75g 35-Br-79
Radionuclide Production Cross Section -1.327 To 1883. %



MAT 3525

(n,p) α :32-Ge-75m2
Radionuclide Production Cross Section -1.308 To 1955. %

35-Br-79



90

Incident Energy (eV)

35-Br-79