

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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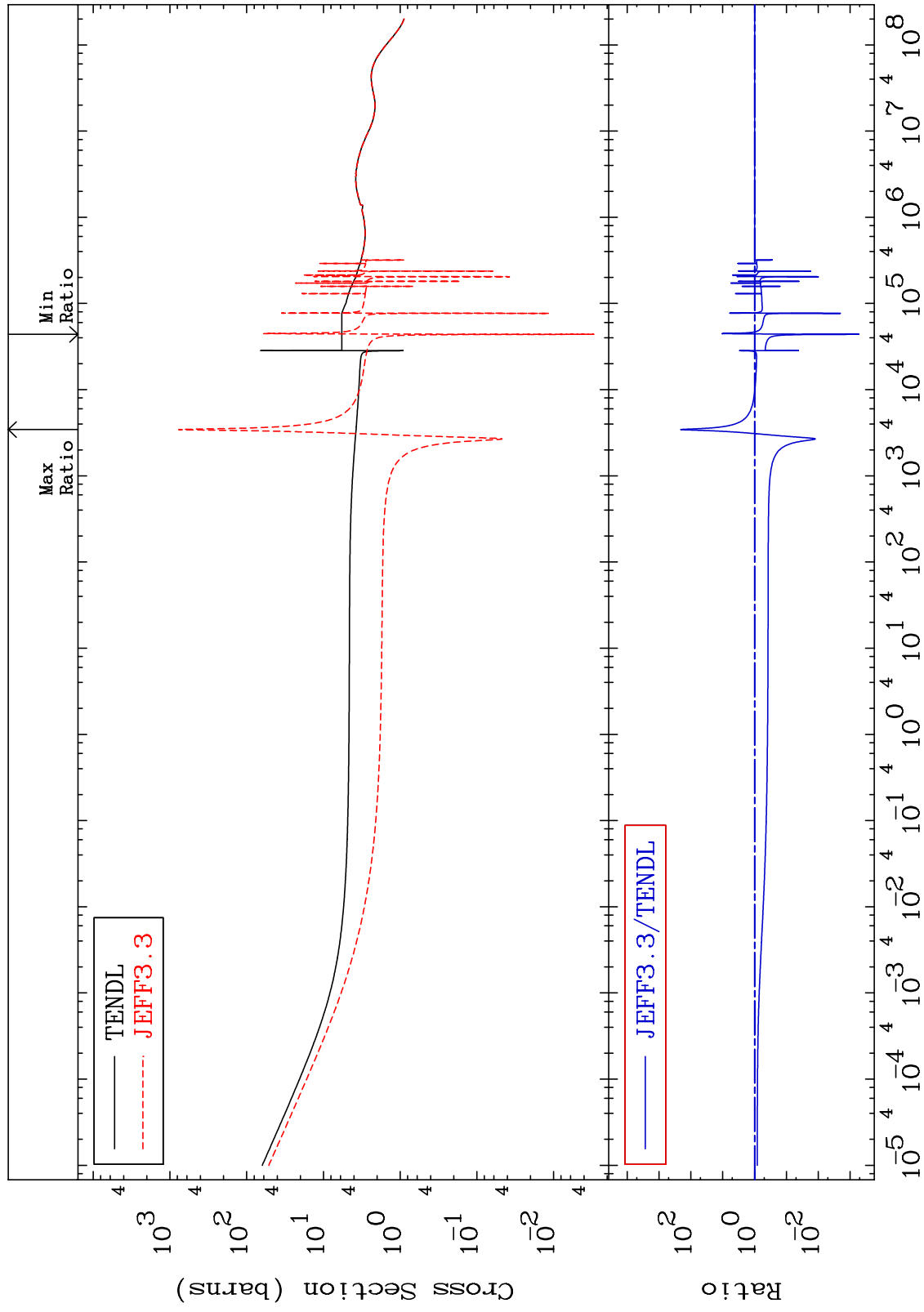
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2043 Total Cross Section 20-Ca-46 -99.95 To 9999. %

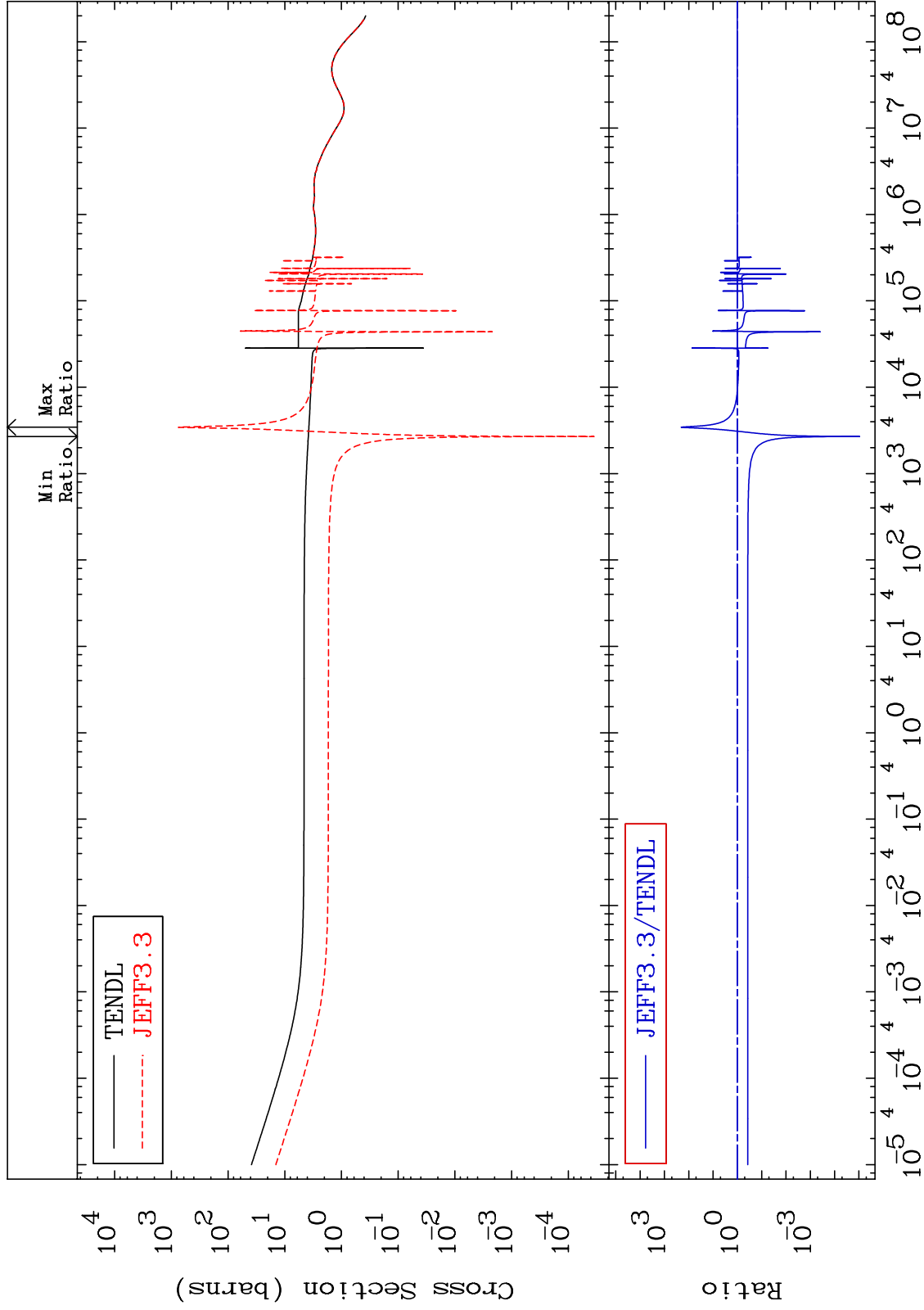


1 Incident Energy (eV) 20-Ca-46

MAT 2043

Elastic
Cross Section

20-Ca-46
-100.0 To 9999. %



2

Incident Energy (eV)

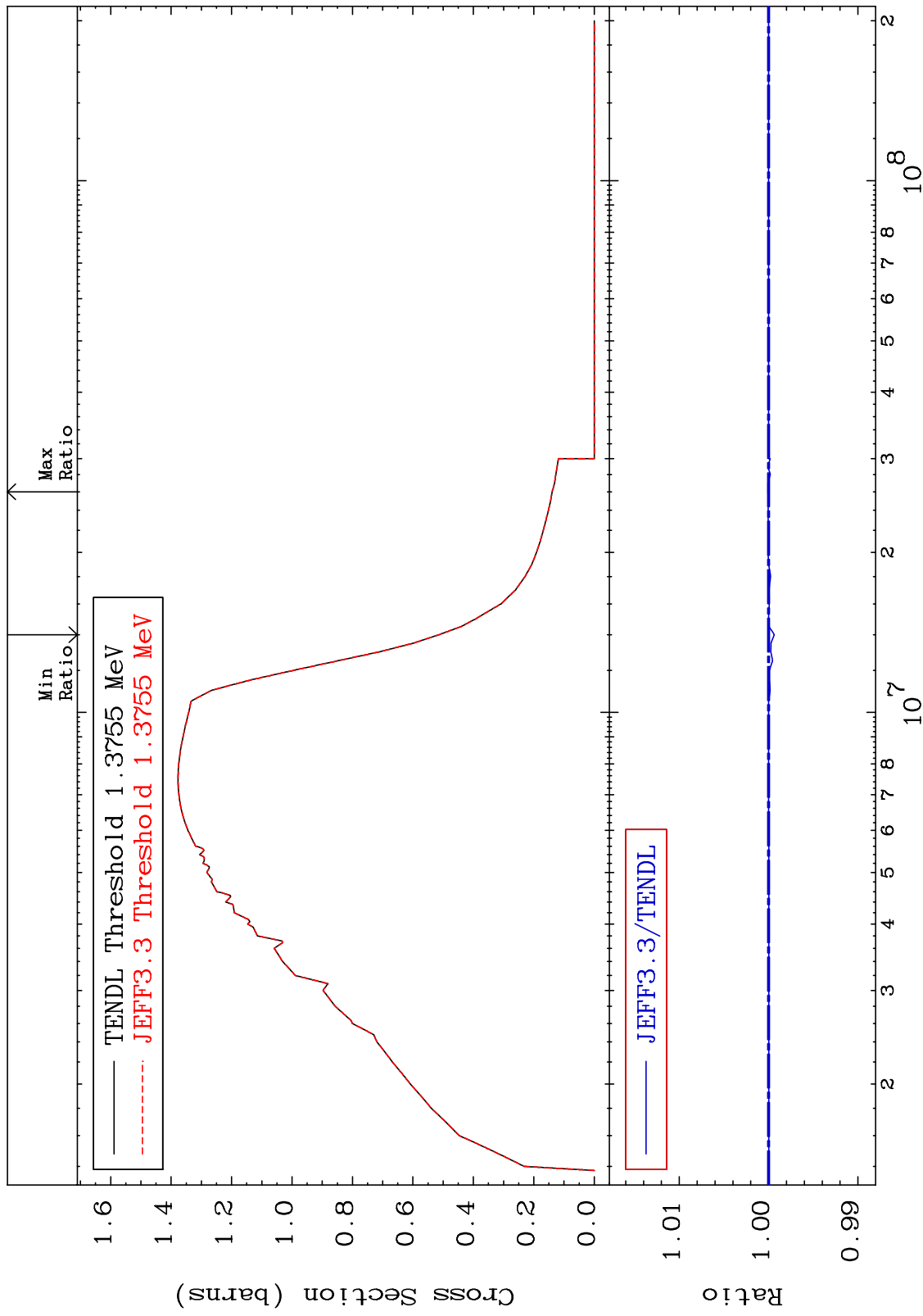
20-Ca-46

MAT 2043

Inelastic
Cross Section

20-Ca-46

-0.063 To 0.009 %

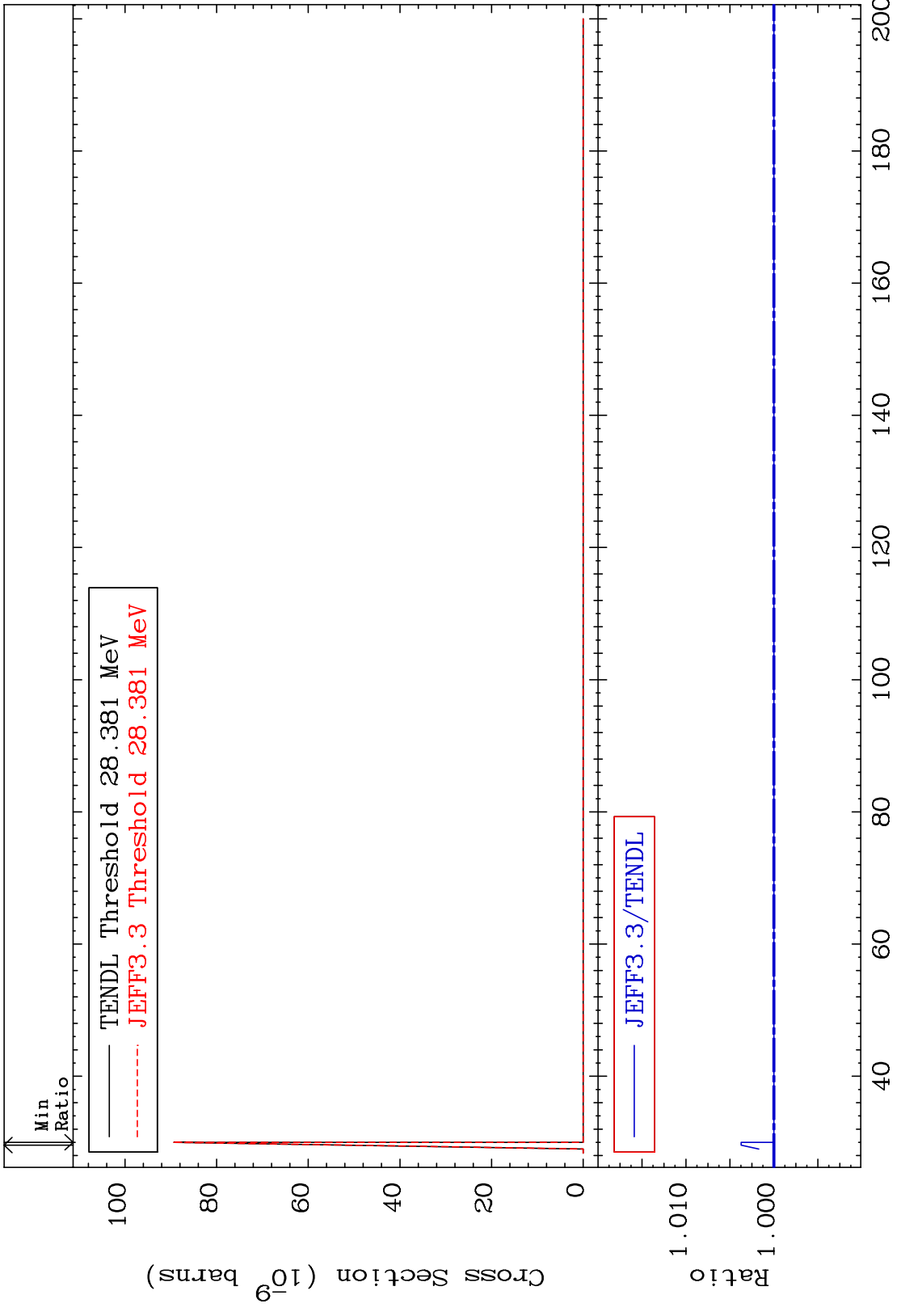


3

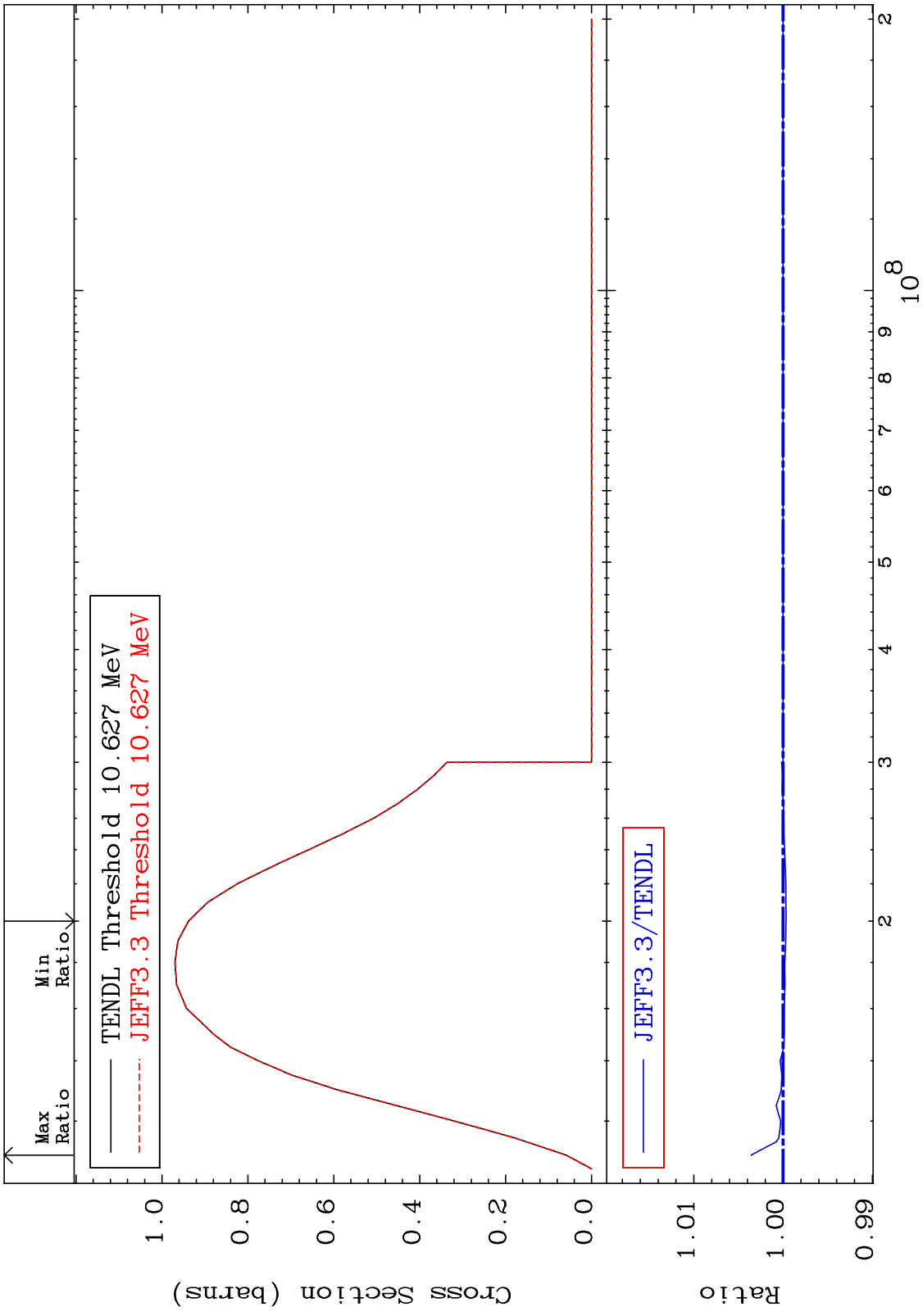
Incident Energy (eV)

20-Ca-46

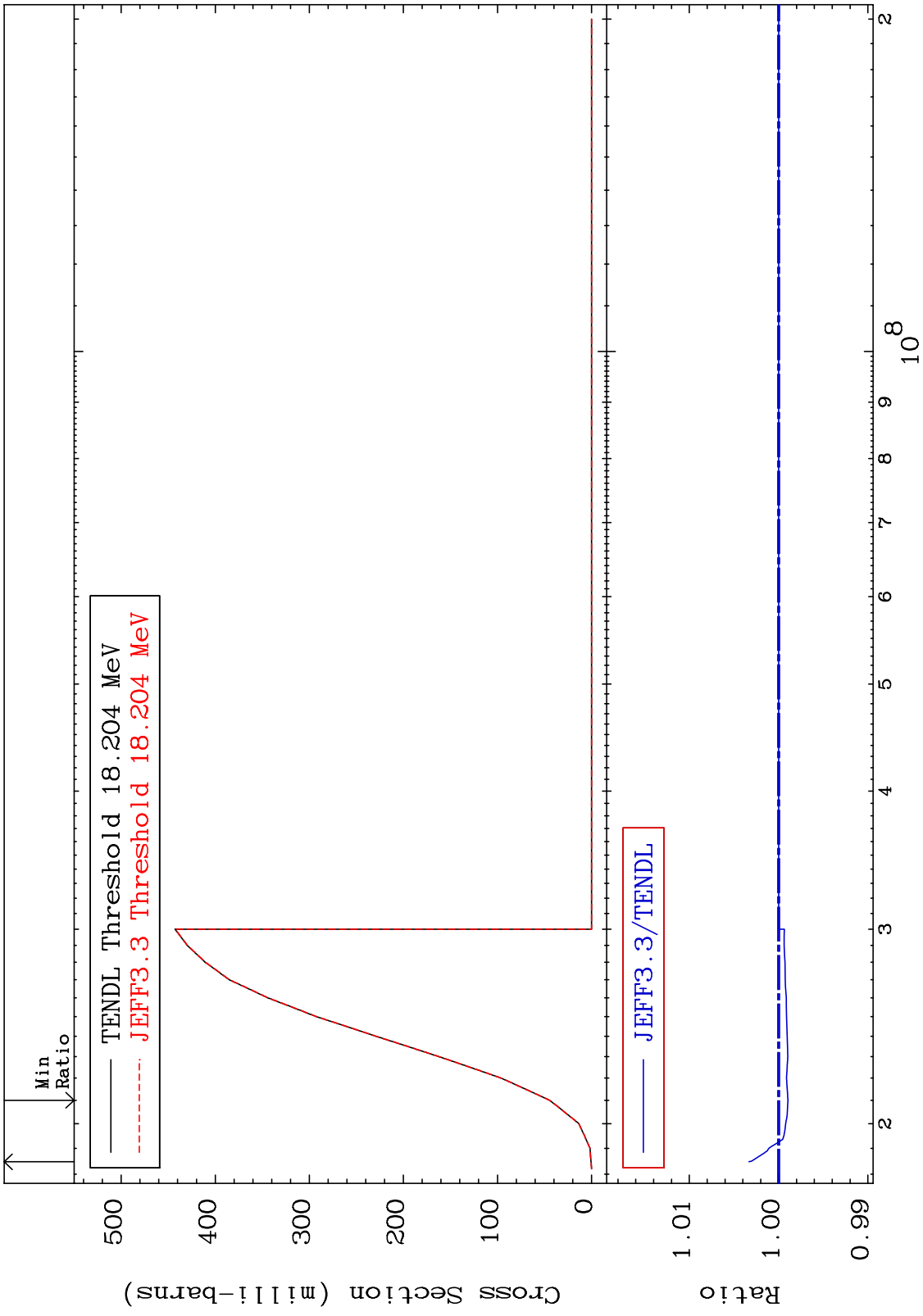
MAT 2043 (n,2n) d 20-Ca-46
 Cross Section 0.000 To 0.371 %



MAT 2043 (n,2n) Cross Section 20-Ca-46
 -0.033 To 0.361 %

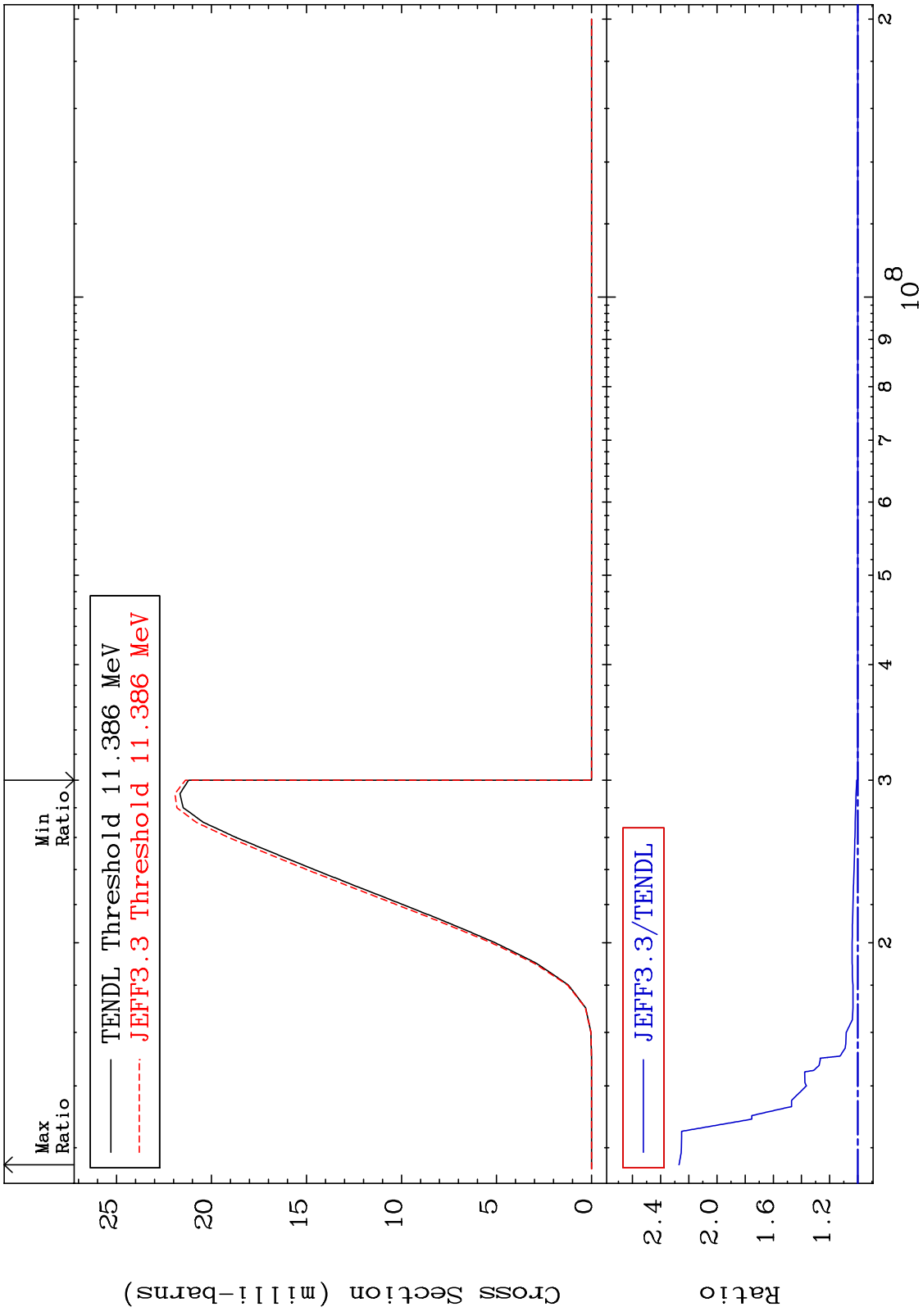


MAT 2043 (n,3n) Cross Section 20-Ca-46 -0.105 To 0.333 %

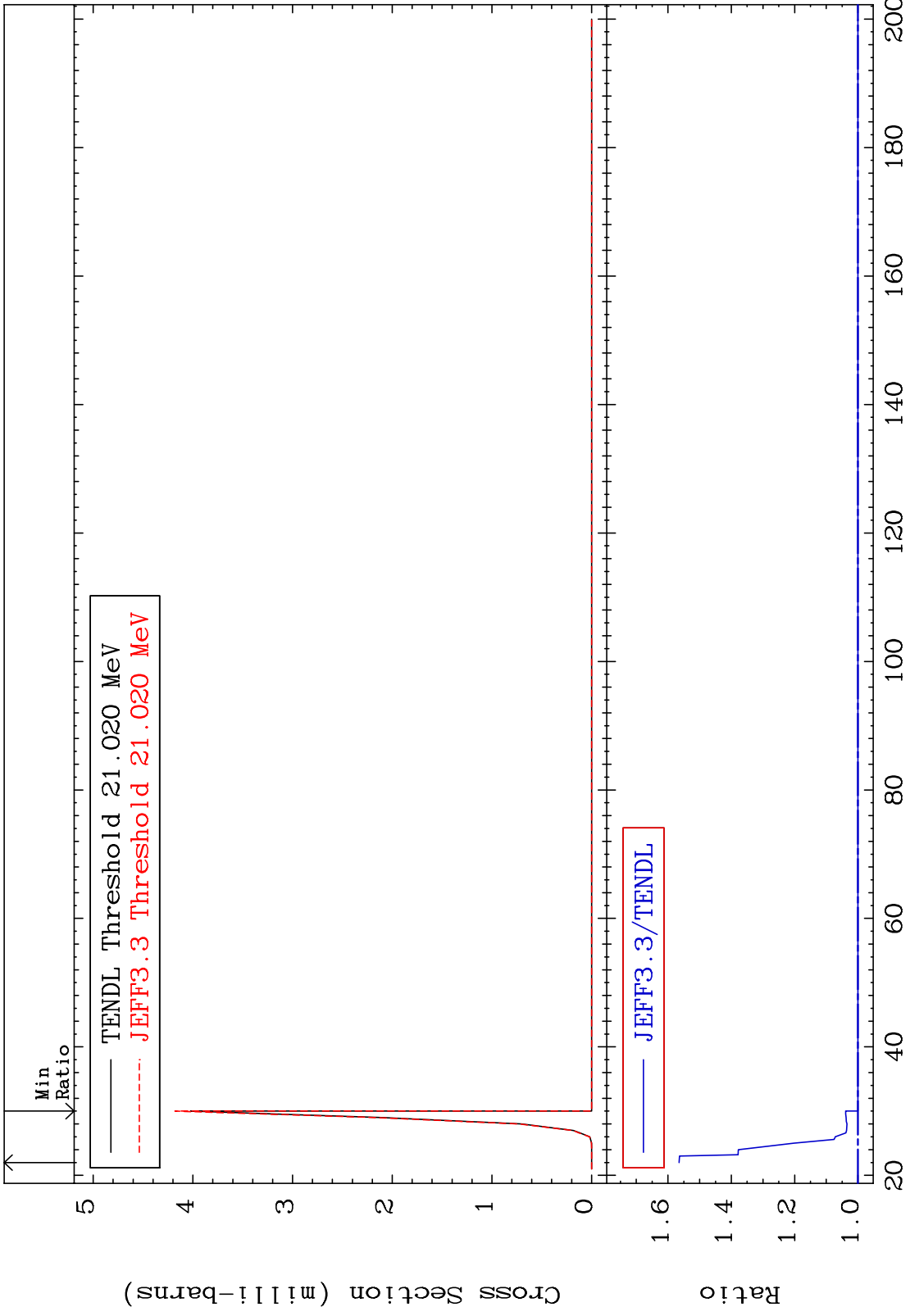


6 Incident Energy (eV) 20-Ca-46

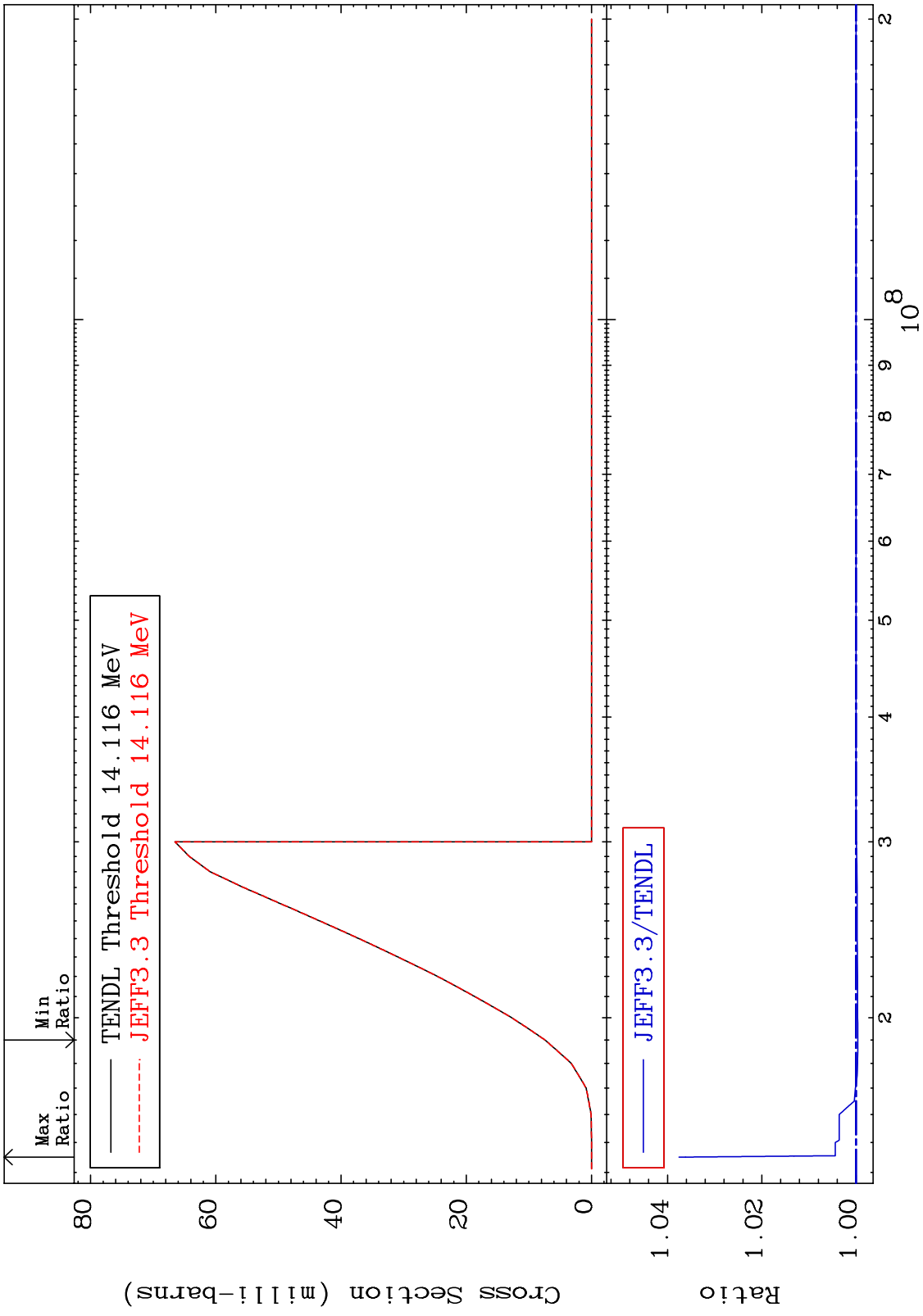
MAT 2043 $(n, n') \alpha$ Cross Section 20-Ca-46 To 126.9 %



MAT 2043 (n,2n) α 20-Ca-46
Cross Section 0.000 To 56.48 %

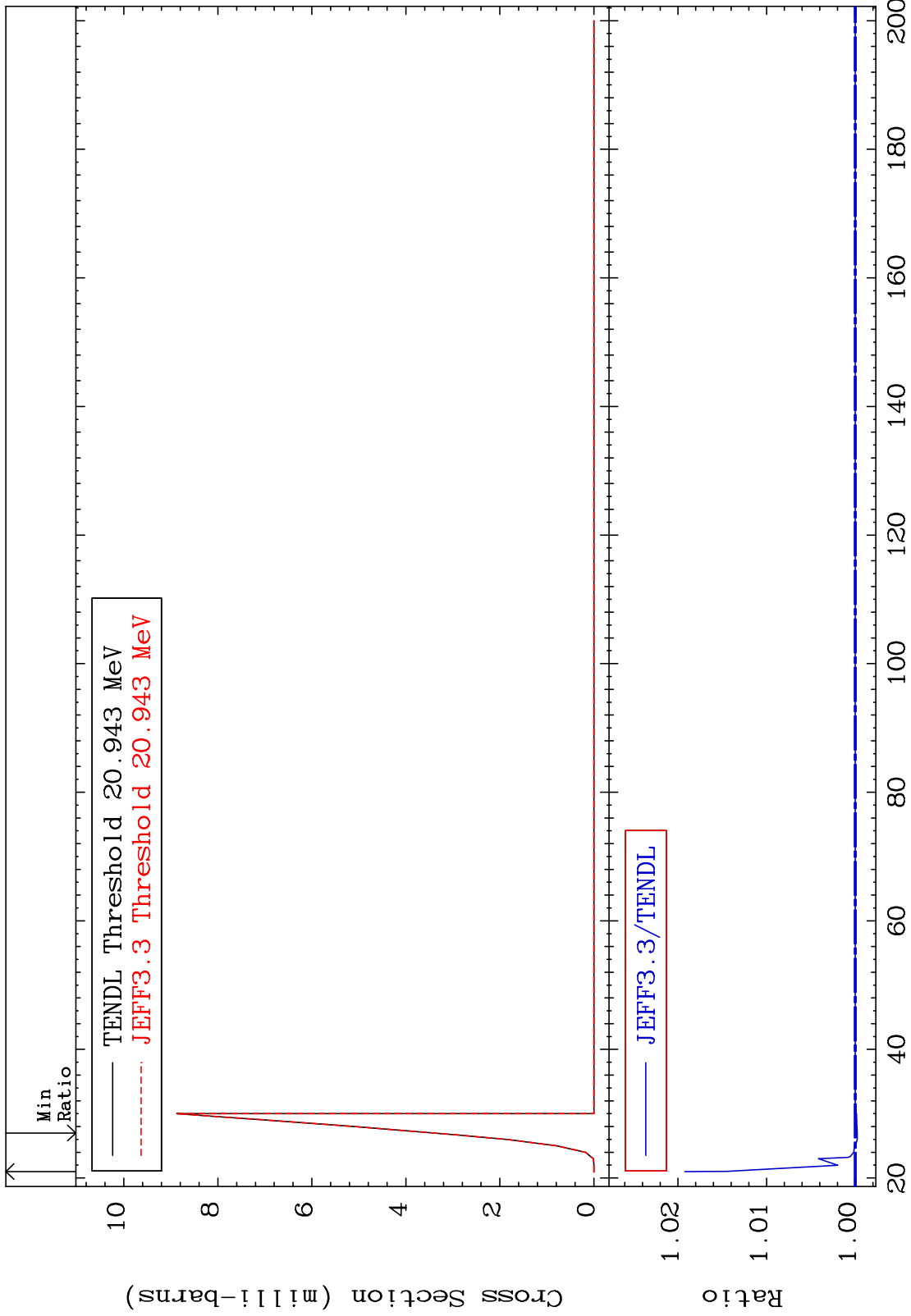


MAT 2043 (n,n') p 20-Ca-46
 Cross Section -0.038 To 3.756 %



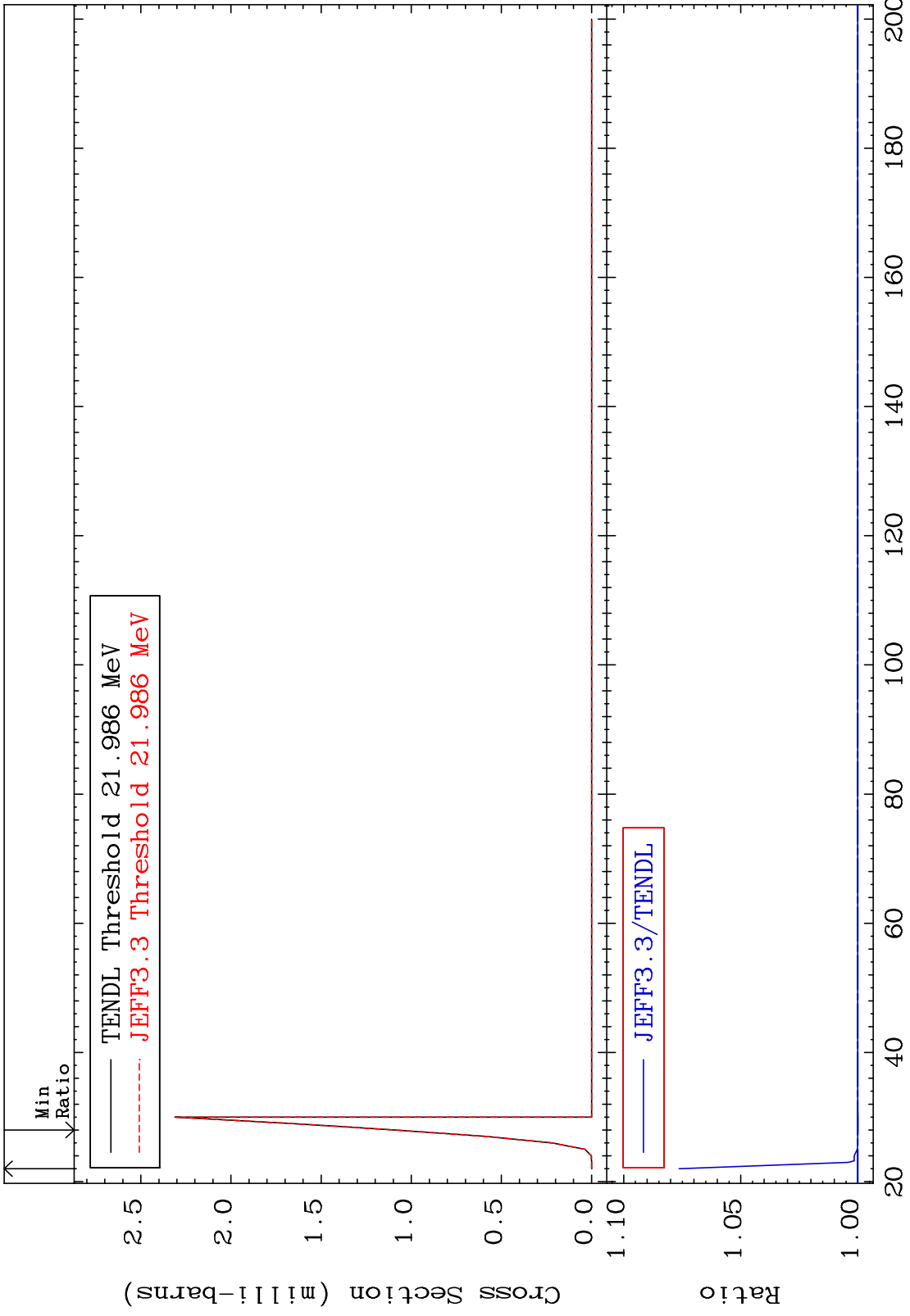
9 20-Ca-46

MAT 2043 (n,n') d 20-Ca-46
Cross Section -0.022 To 1.922 %

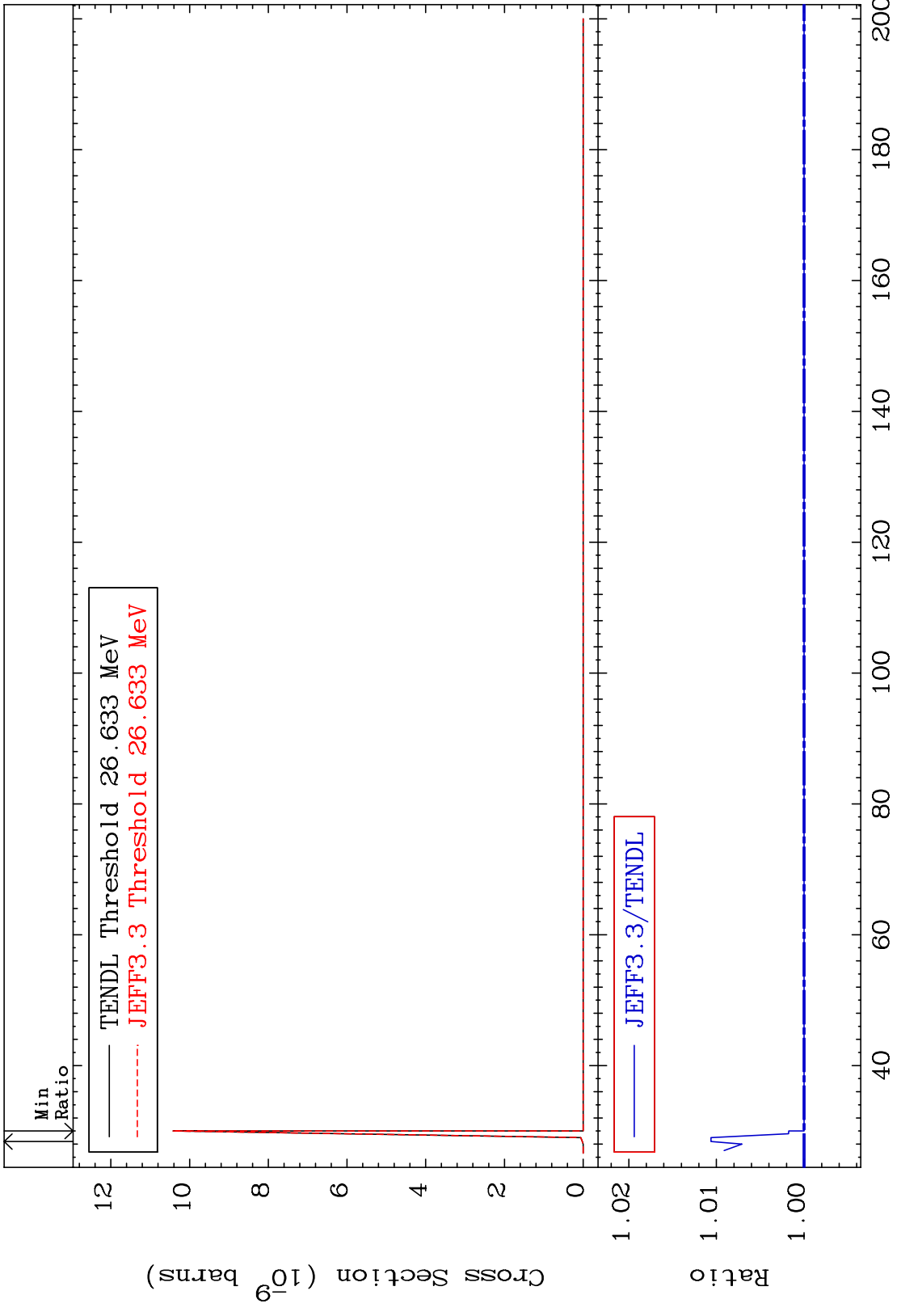


Incident Energy (MeV) 20-Ca-46

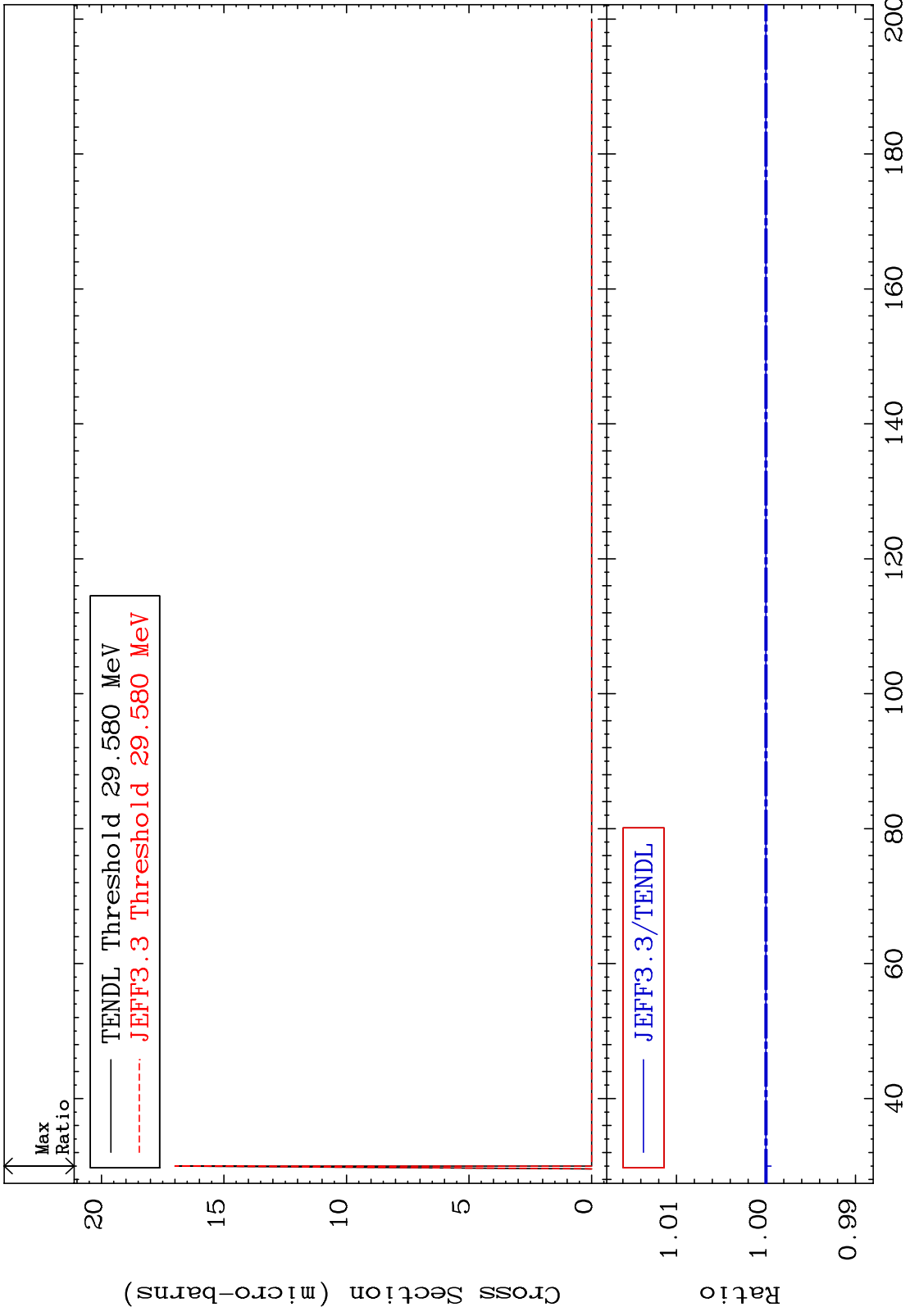
MAT 2043 (n,n') t 20-Ca-46
Cross Section -0.009 To 7.633 %



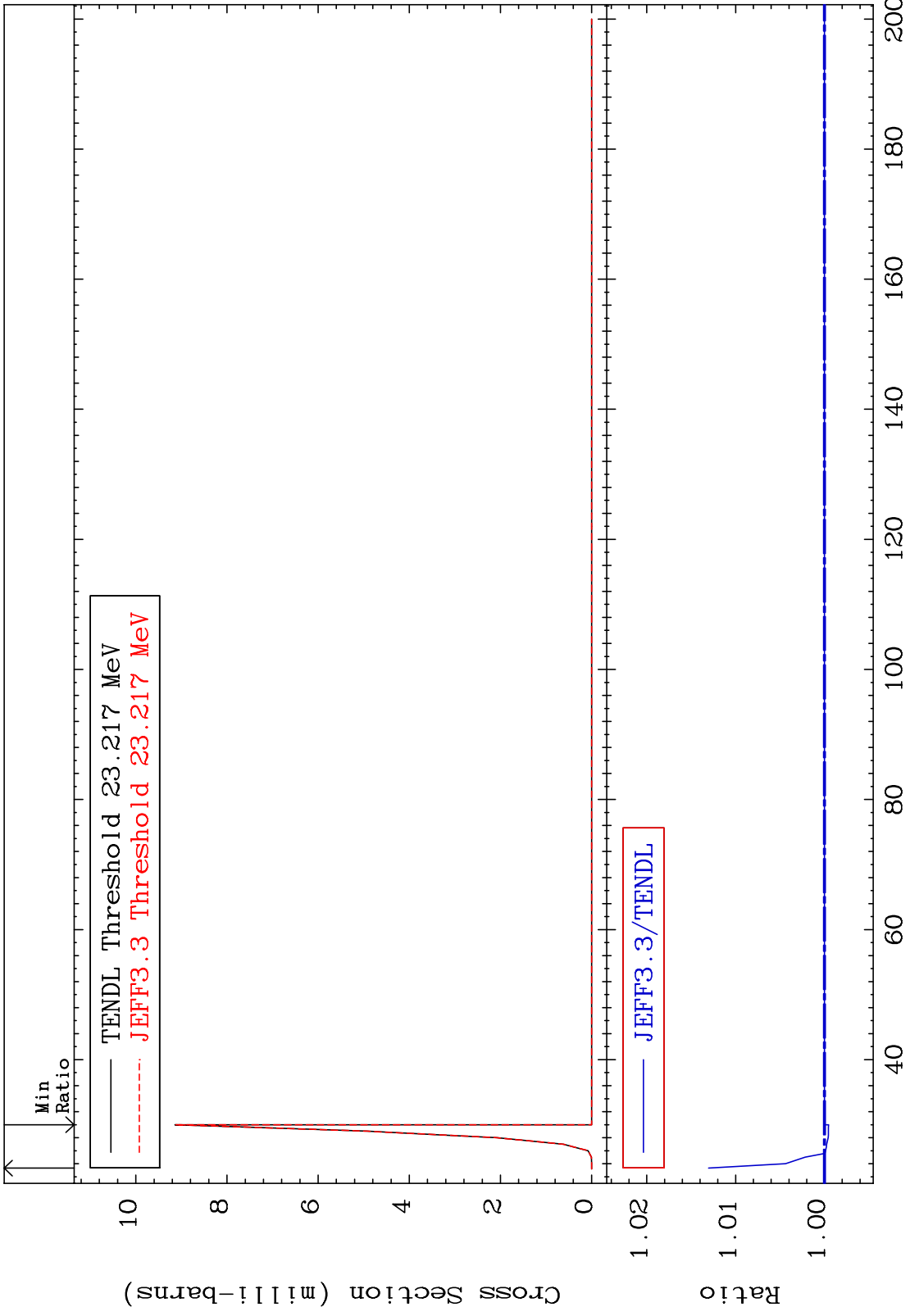
MAT 2043 (n, n') He-3 Cross Section 20-Ca-46 To 1.061 %



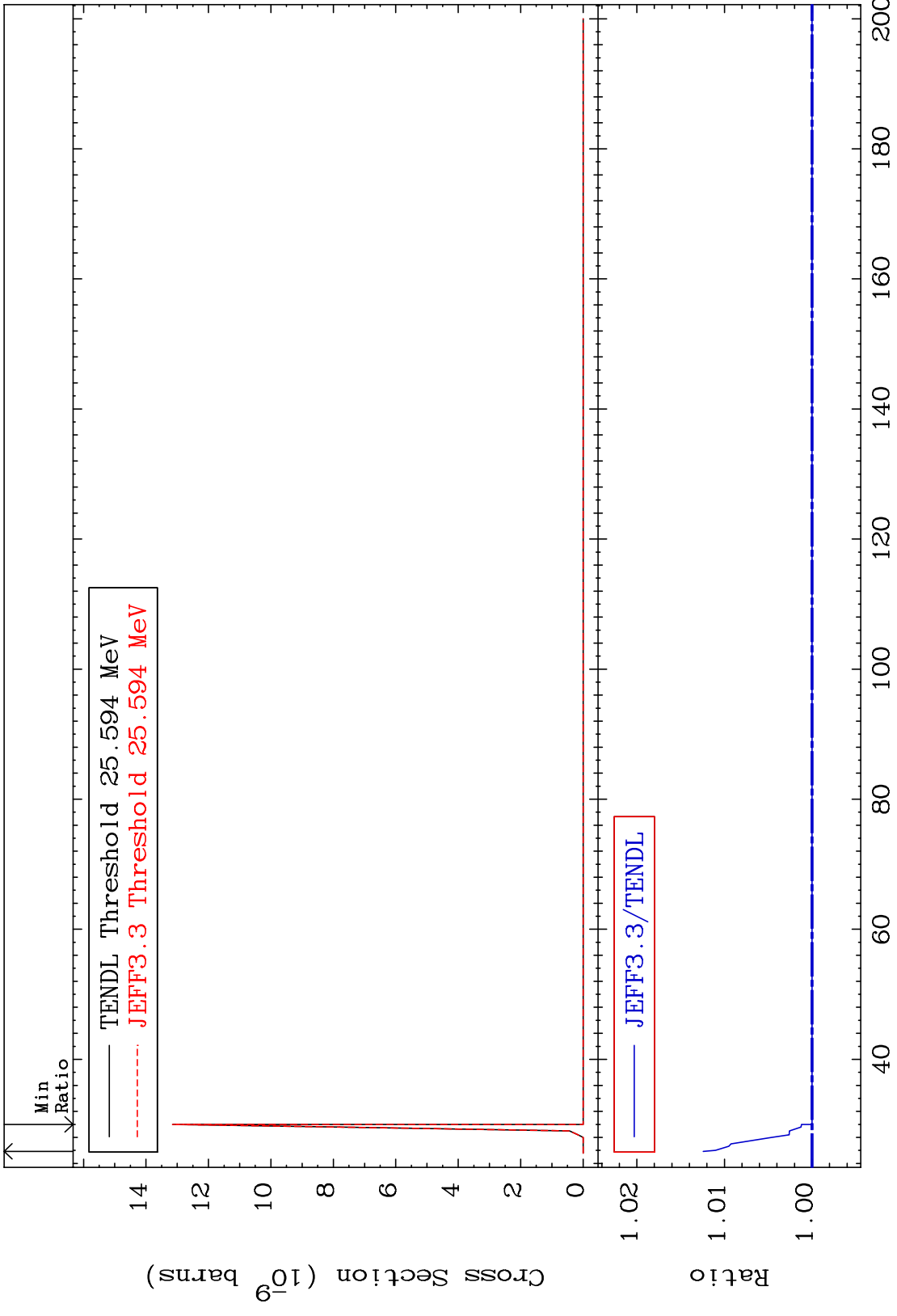
MAT 2043 (n,4n) 20-Ca-46
Cross Section -0.058 To 0.000 %



MAT 2043 (n,2n) p 20-Ca-46
 Cross Section -0.046 To 1.305 %



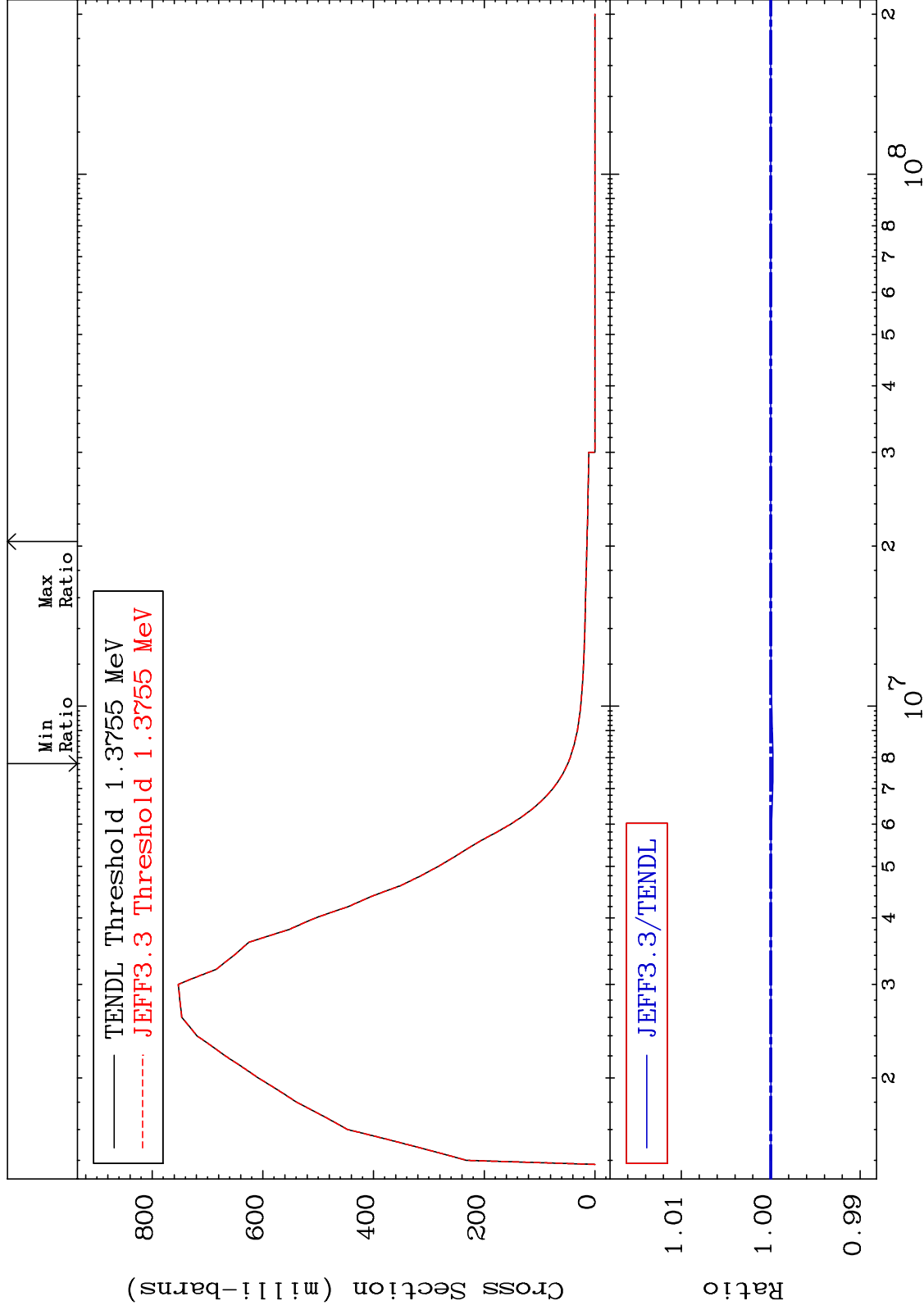
MAT 2043 (n,2n) p 20-Ca-46
 Cross Section 0.000 To 1.244 %



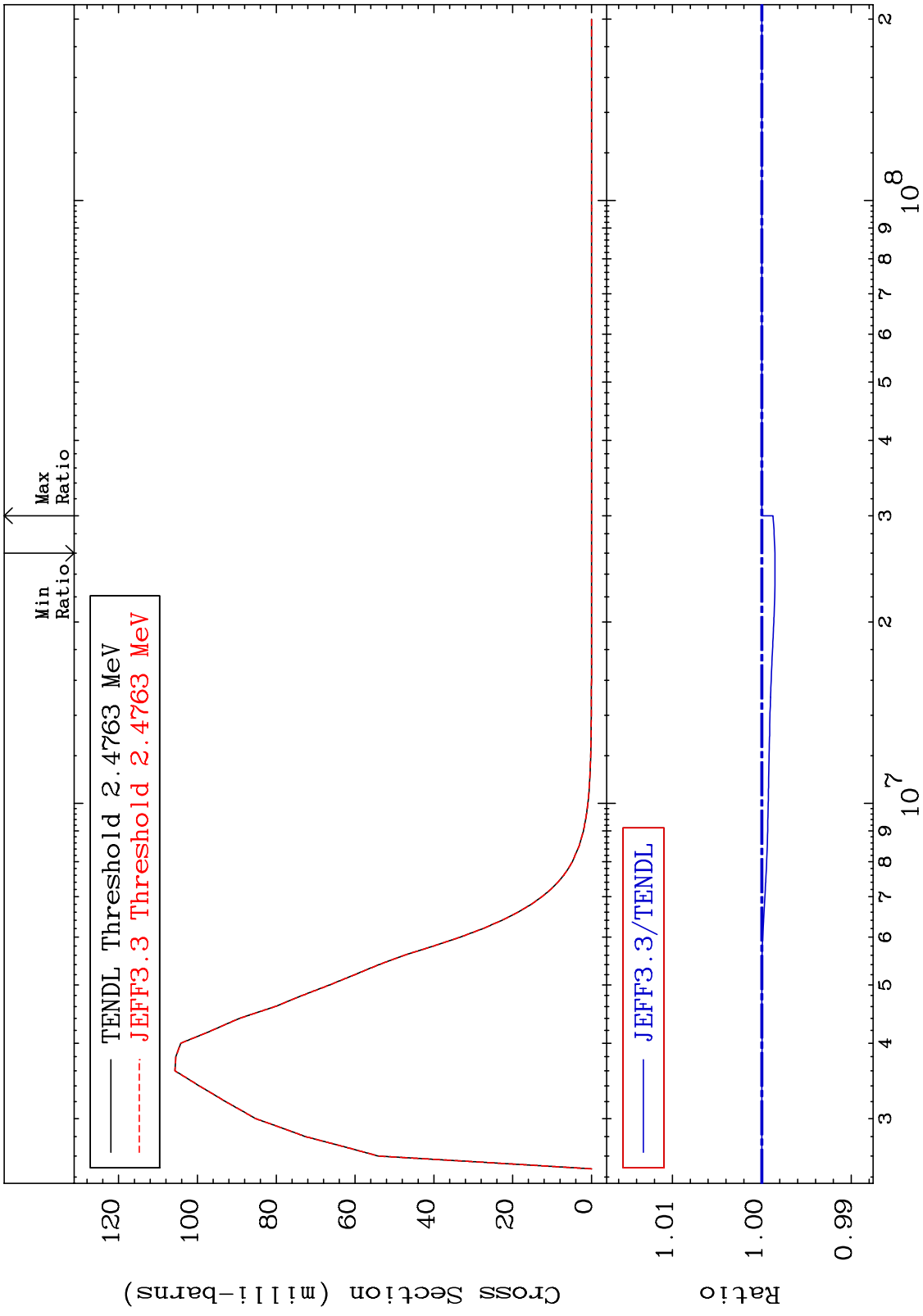
MAT 2043

MT= 51 (n,n') Level
Cross Section

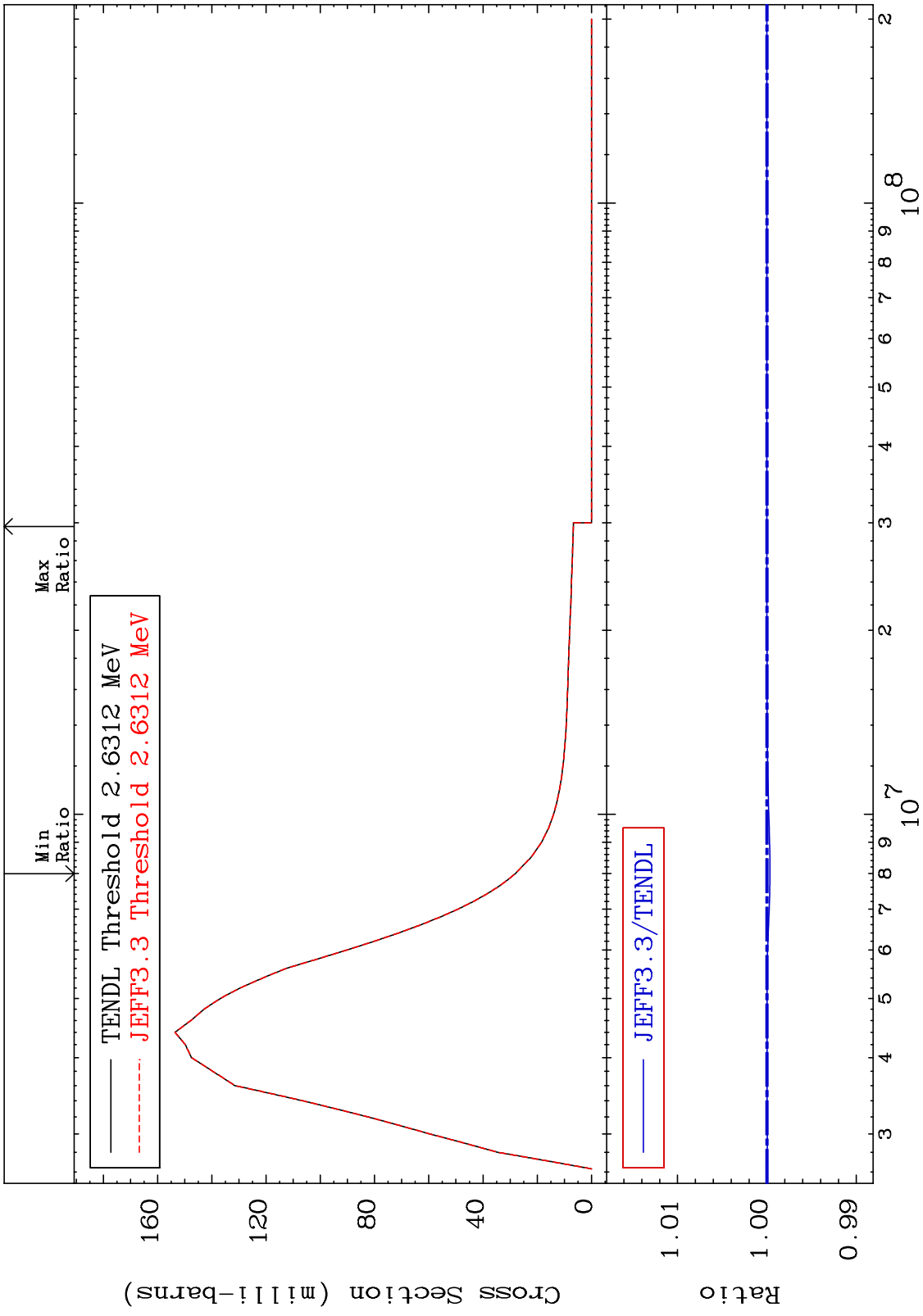
20-Ca-46
-0.025 To 0.000 %



MAT 2043 MT= 52 (n, n') Level Cross Section 20-Ca-46
 -0.148 To 0.000 %



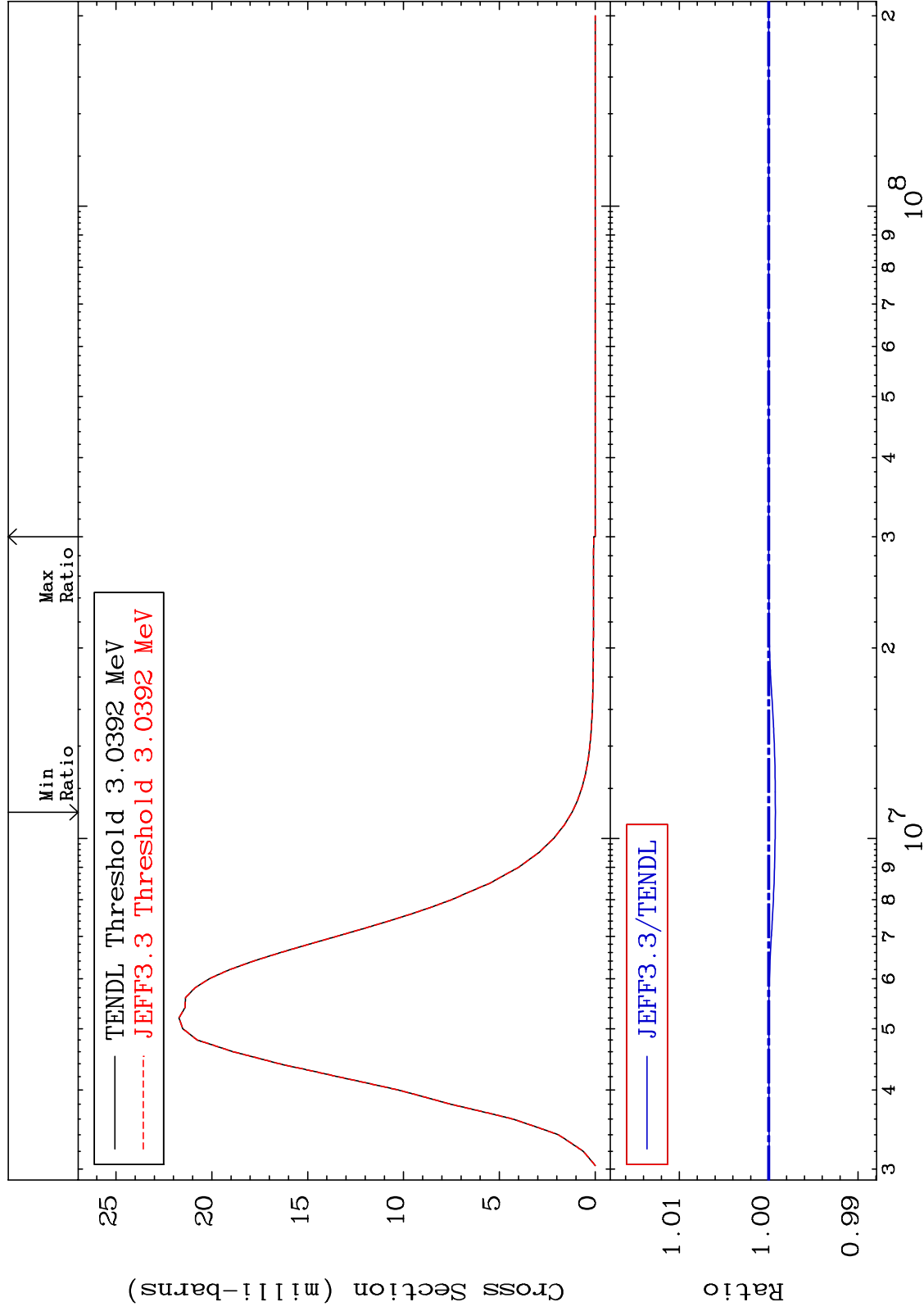
MAT 2043 MT= 53 (n, n') Level Cross Section 20-Ca-46
 -0.033 To 0.000 %



MAT 2043

MT= 54 (n, n') Level
Cross Section

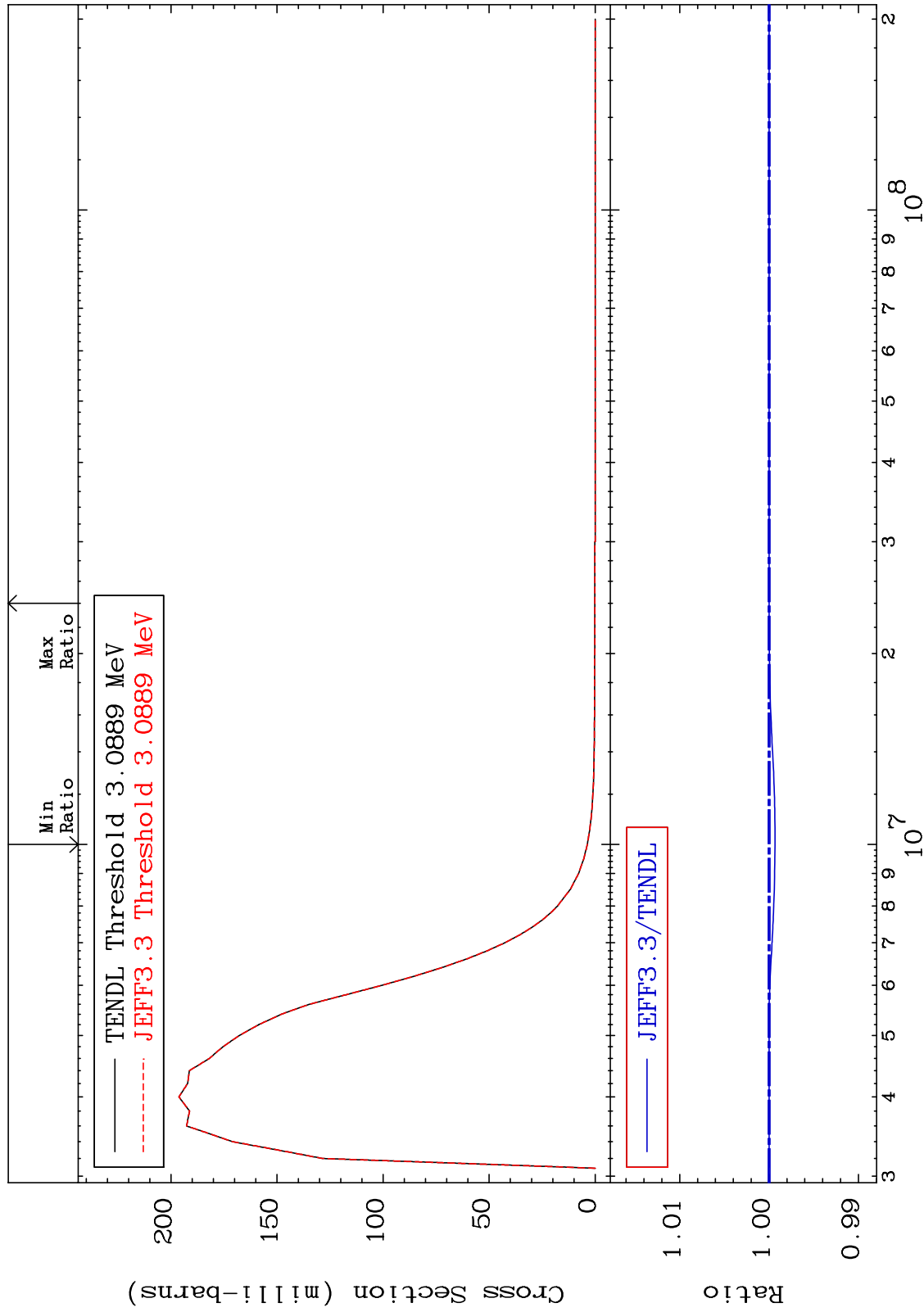
20-Ca-46
-0.074 To 0.000 %



MAT 2043

MT= 55 (n,n') Level
Cross Section

20-Ca-46
-0.066 To 0.000 %

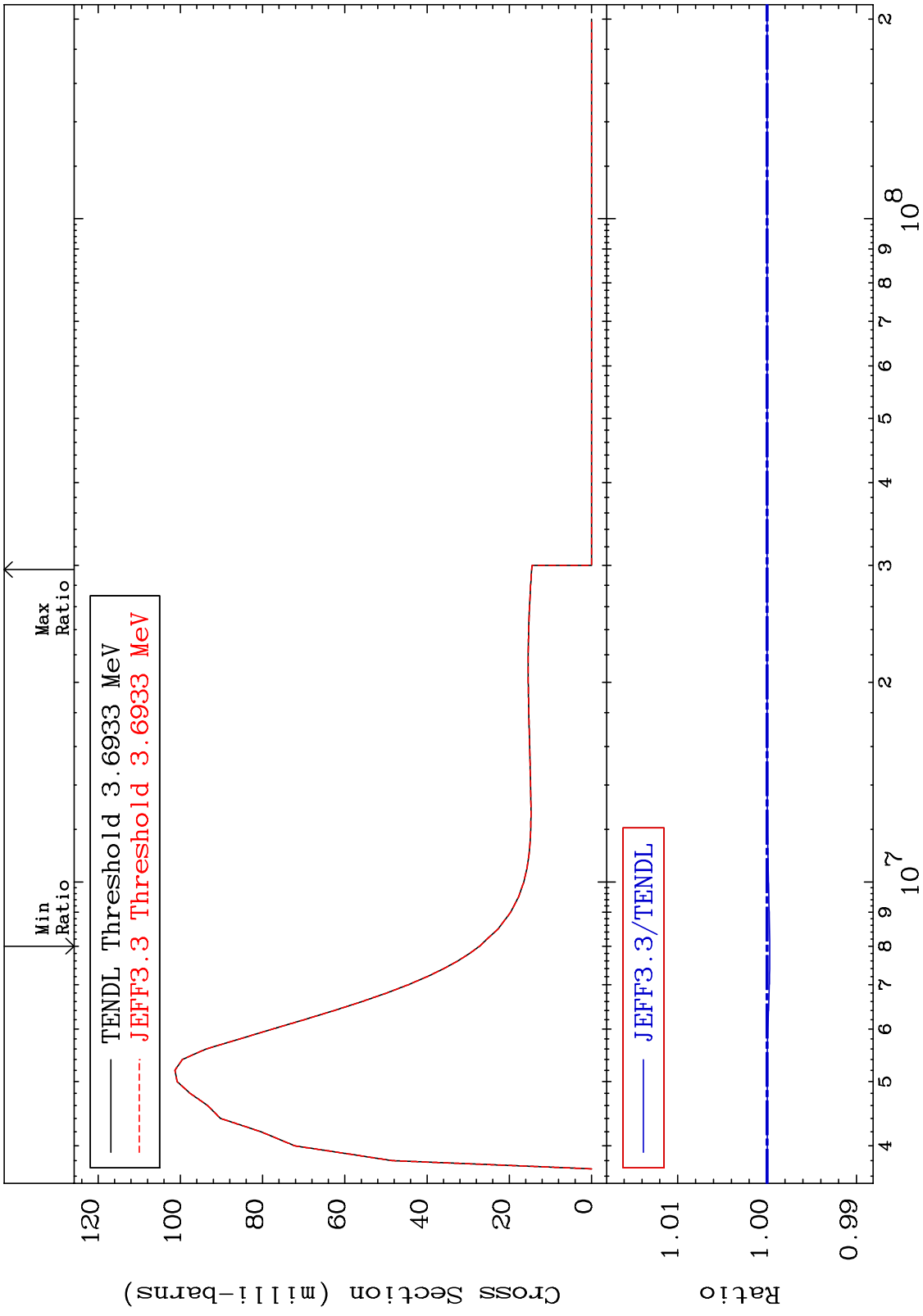


20

Incident Energy (eV)

20-Ca-46

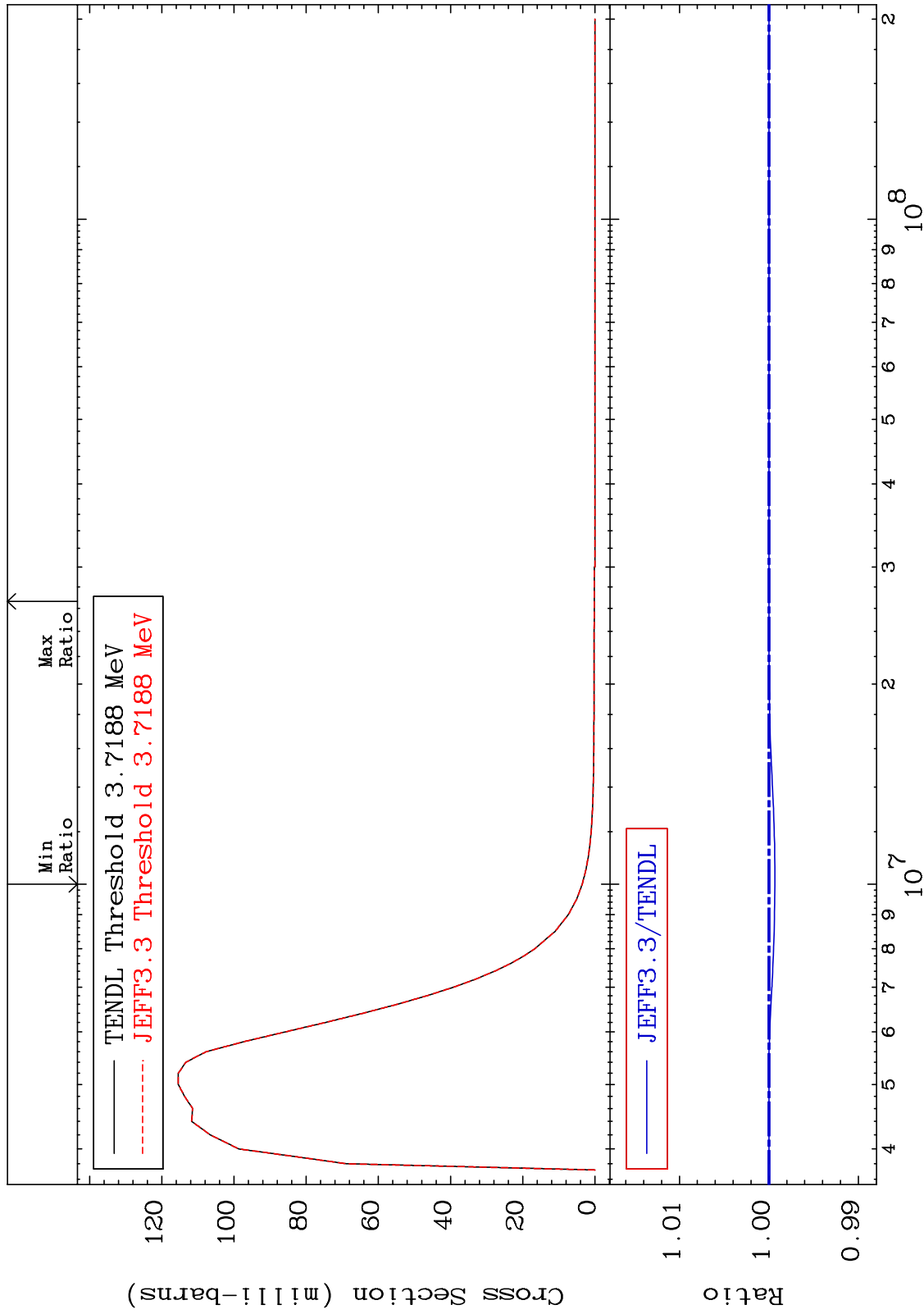
MAT 2043 MT= 56 (n,n') Level Cross Section 20-Ca-46
 -0.030 To 0.000 %



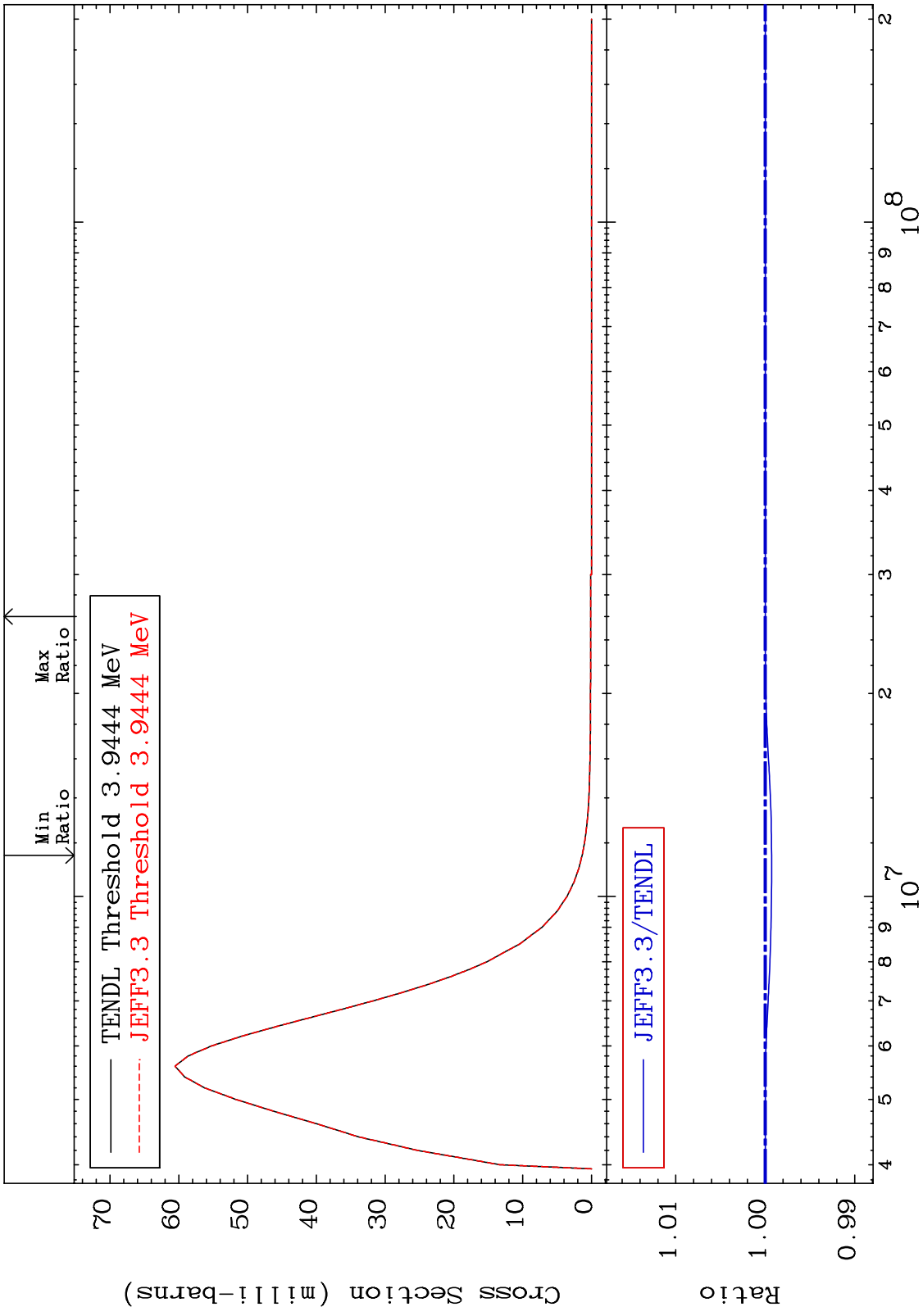
MAT 2043

MT= 57 (n,n') Level
Cross Section

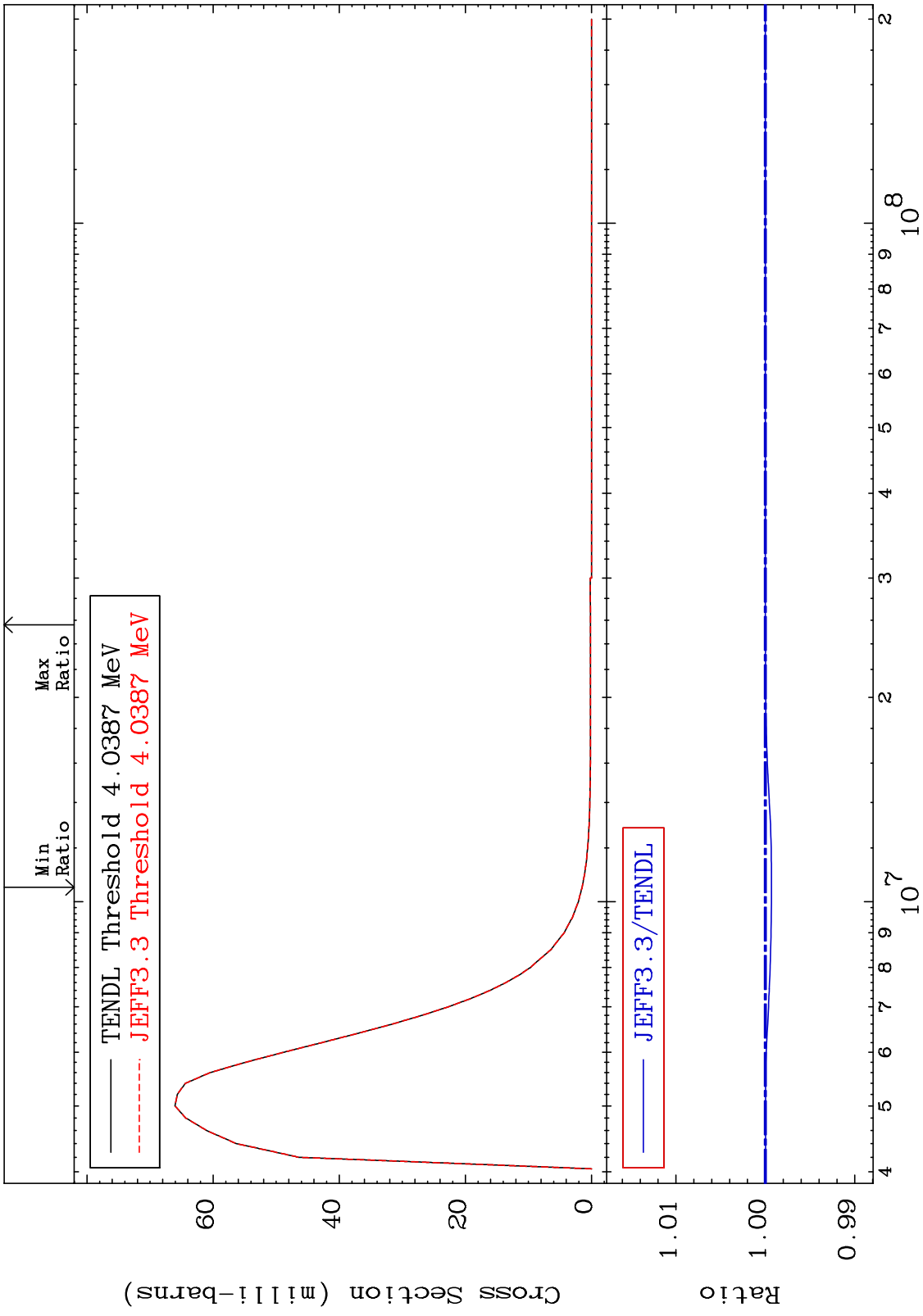
20-Ca-46
-0.066 To 0.000 %



MAT 2043 MT= 58 (n,n') Level Cross Section -0.072 To 0.000 % 20-Ca-46



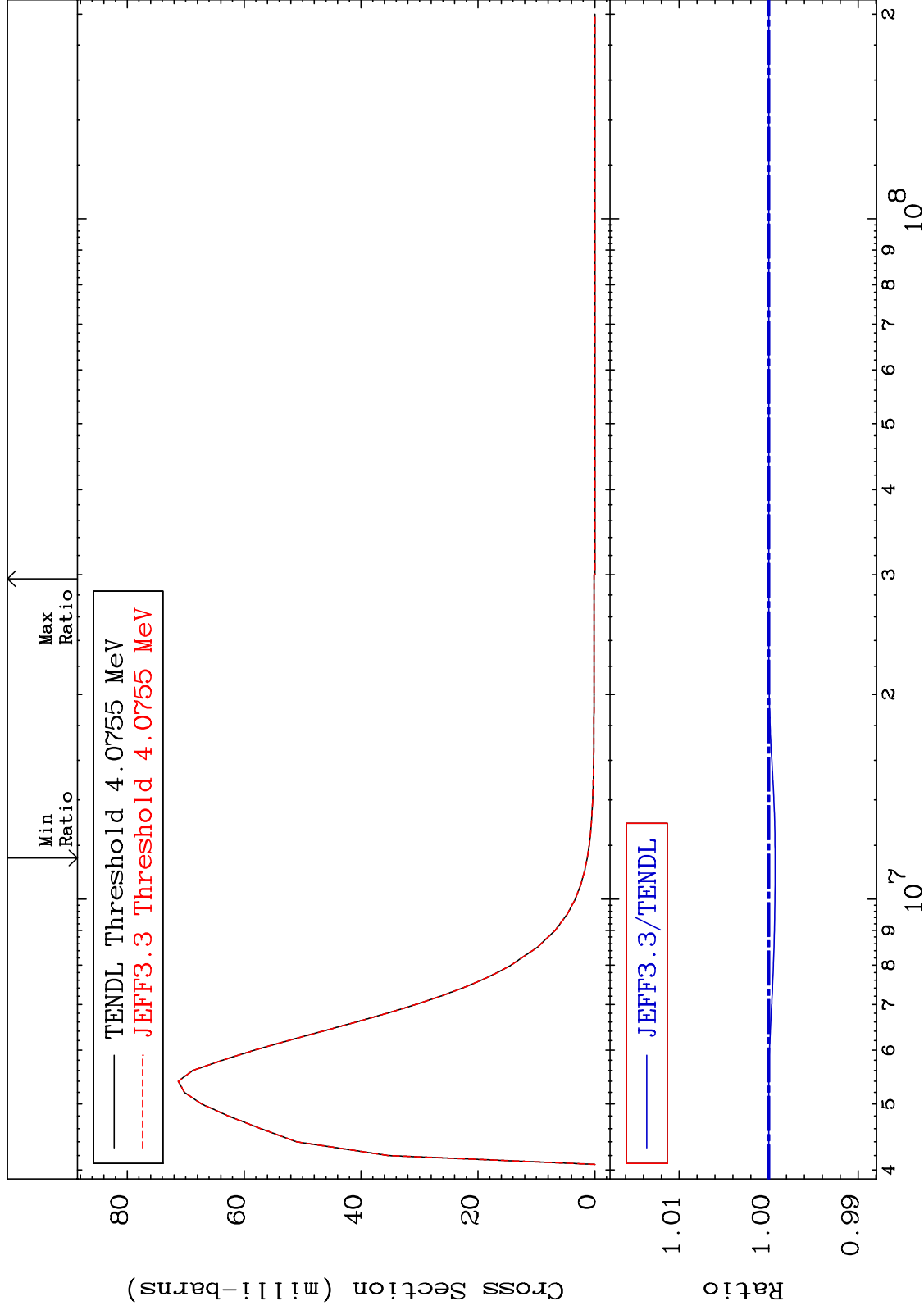
MAT 2043 MT= 59 (n,n') Level Cross Section -0.068 To 0.000 % 20-Ca-46



MAT 2043

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

20-Ca-46
-0.072 To 0.000 %

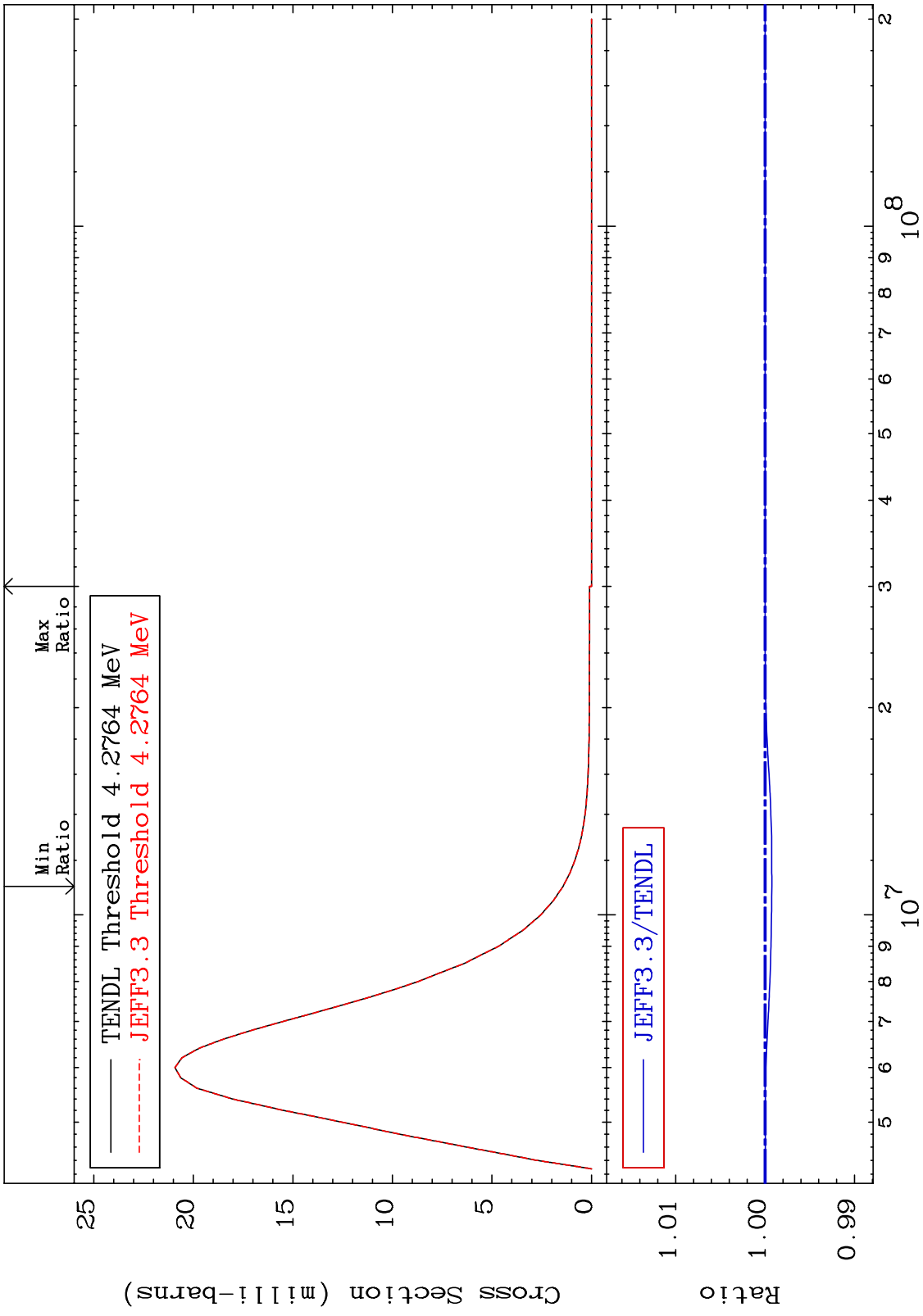


25

Incident Energy (eV)

20-Ca-46

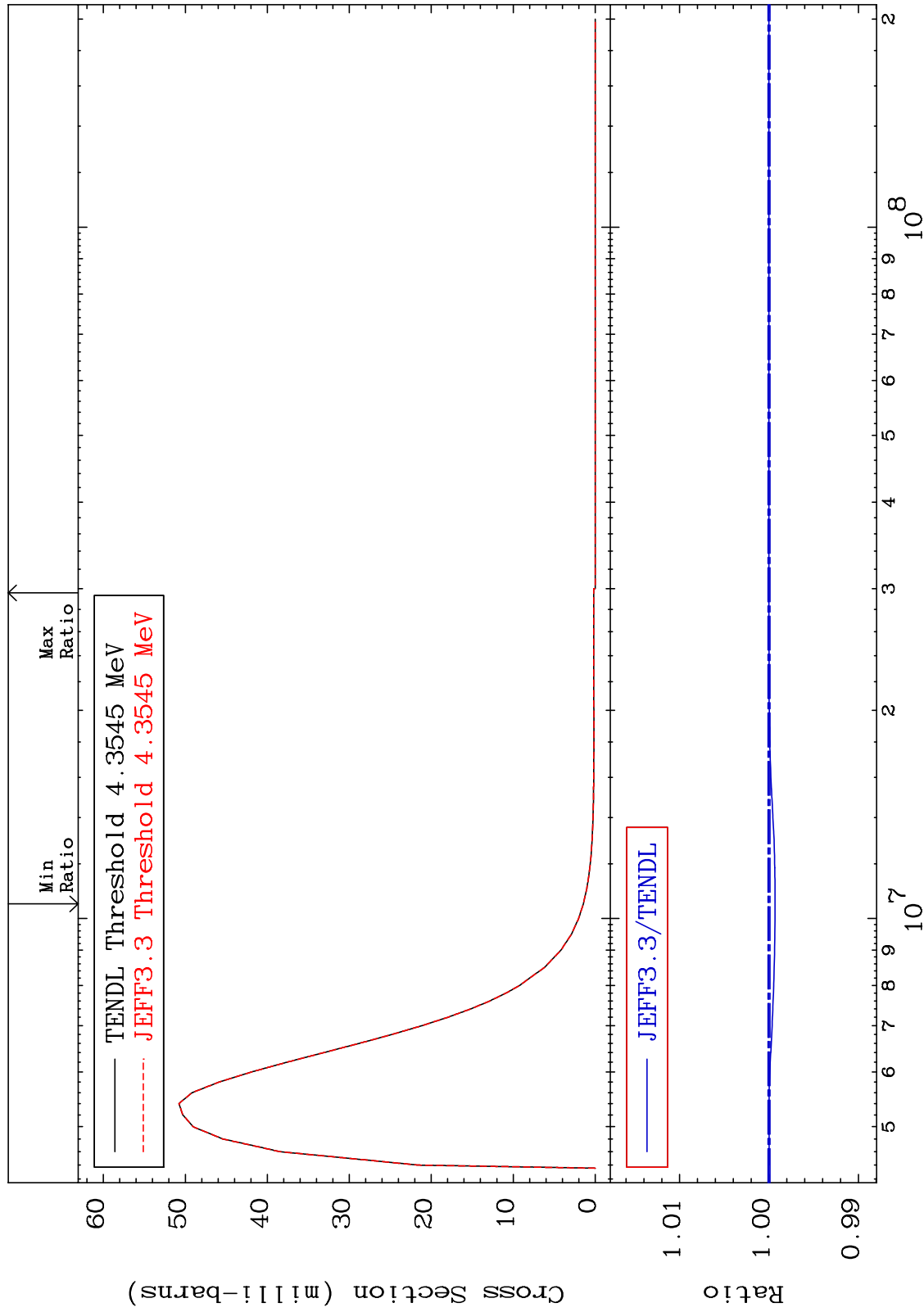
MAT 2043 MT= 61 (n,n') Level Cross Section -0.075 To 0.000 % 20-Ca-46



MAT 2043

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

20-Ca-46
-0.068 To 0.000 %

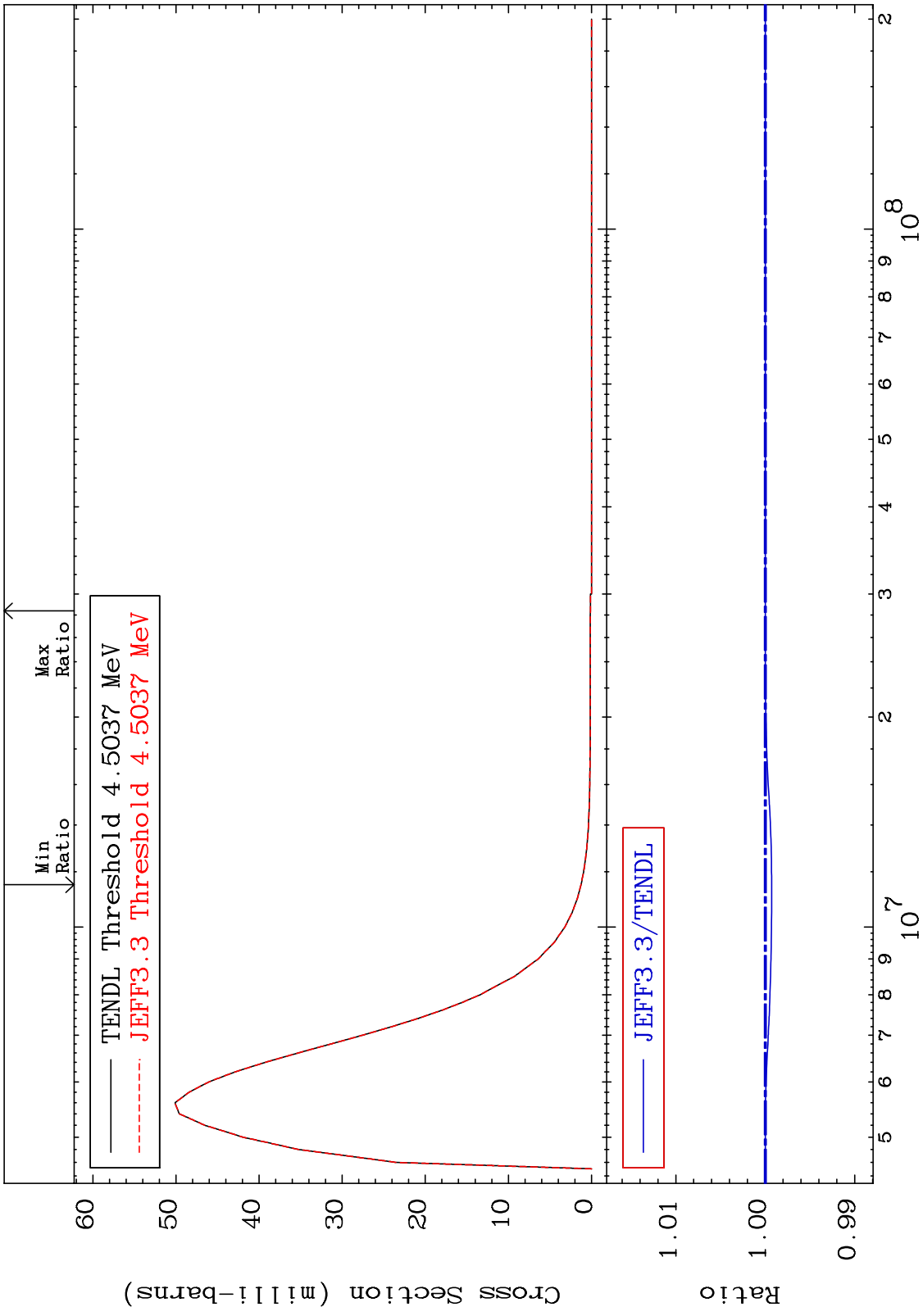


27

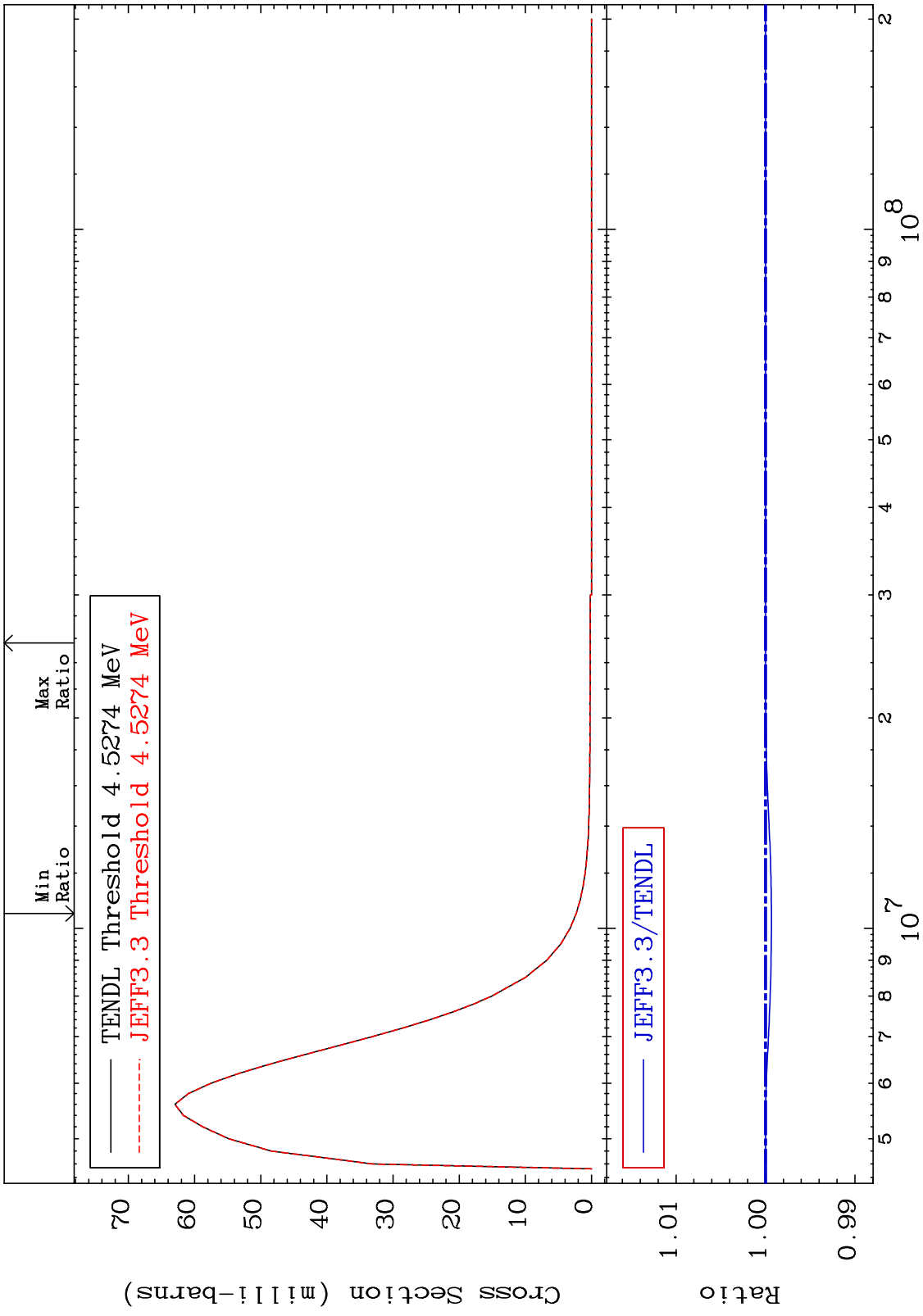
Incident Energy (eV)

20-Ca-46

MAT 2043 MT= 63 (n,n') Level Cross Section 20-Ca-46
 -0.072 To 0.000 %



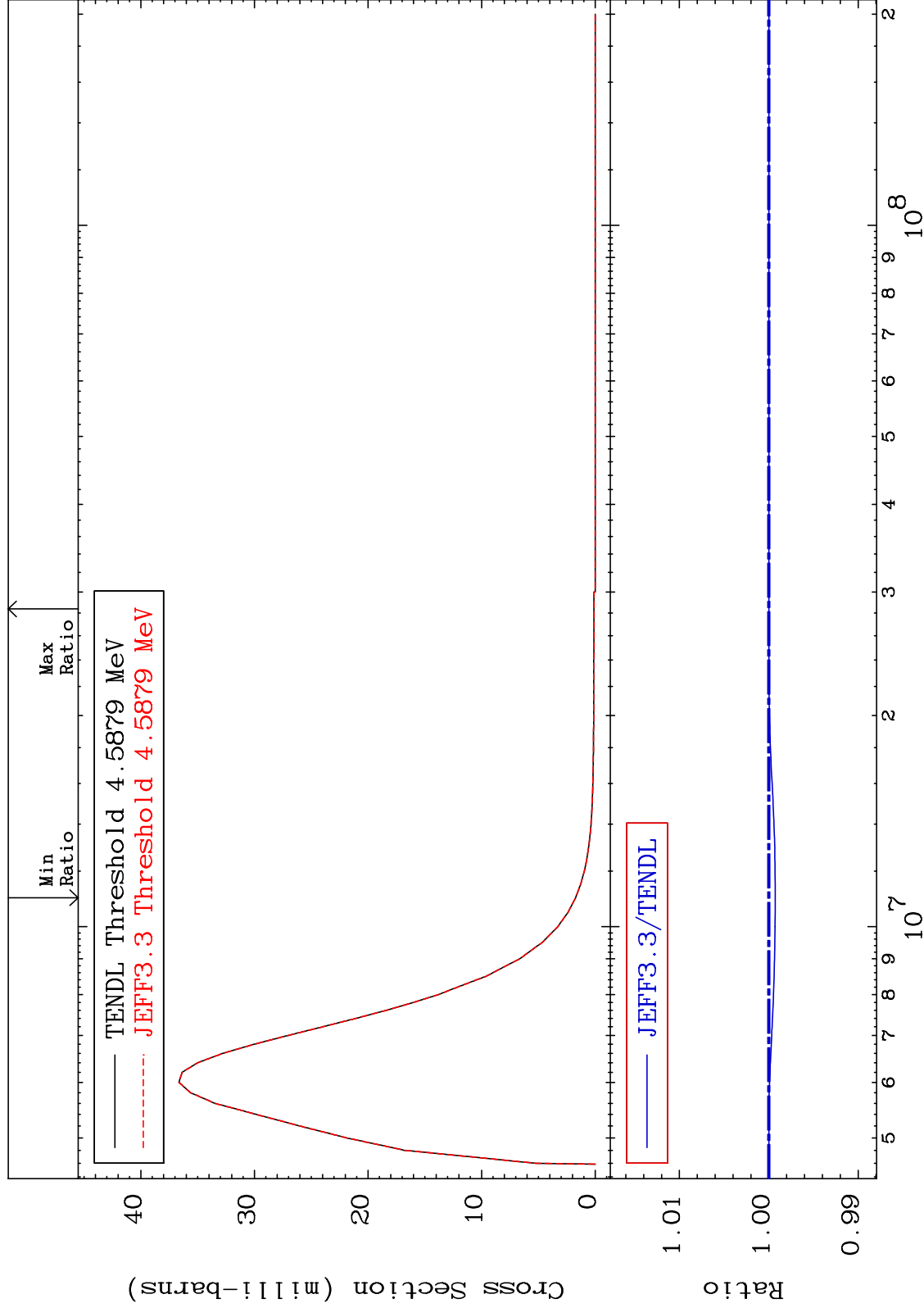
MAT 2043 MT= 64 (n,n') Level Cross Section 20-Ca-46
 -0.066 To 0.000 %



MAT 2043

MT= 65 (n,n') Level
Cross Section

20-Ca-46
-0.072 To 0.000 %

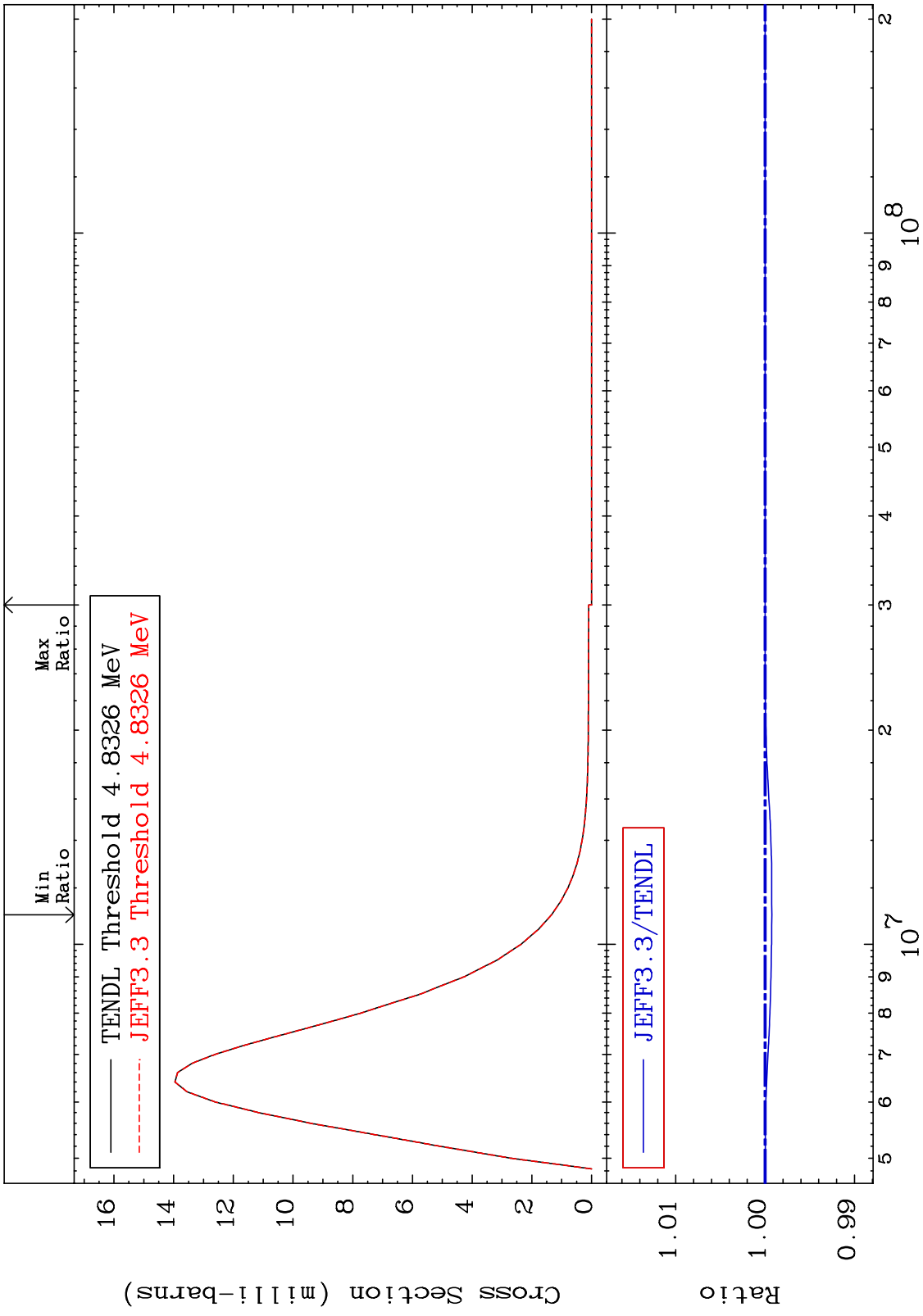


30

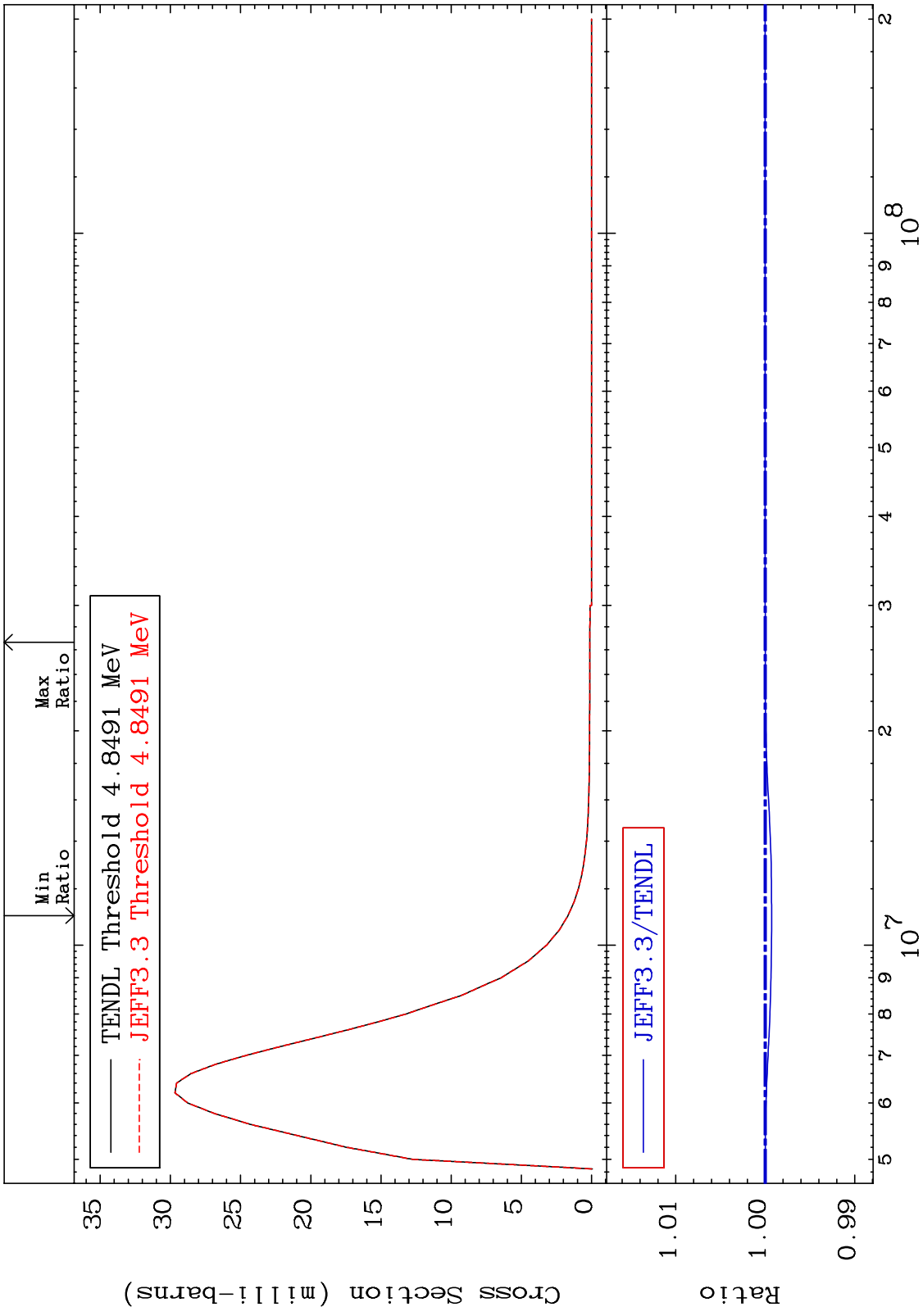
Incident Energy (eV)

20-Ca-46

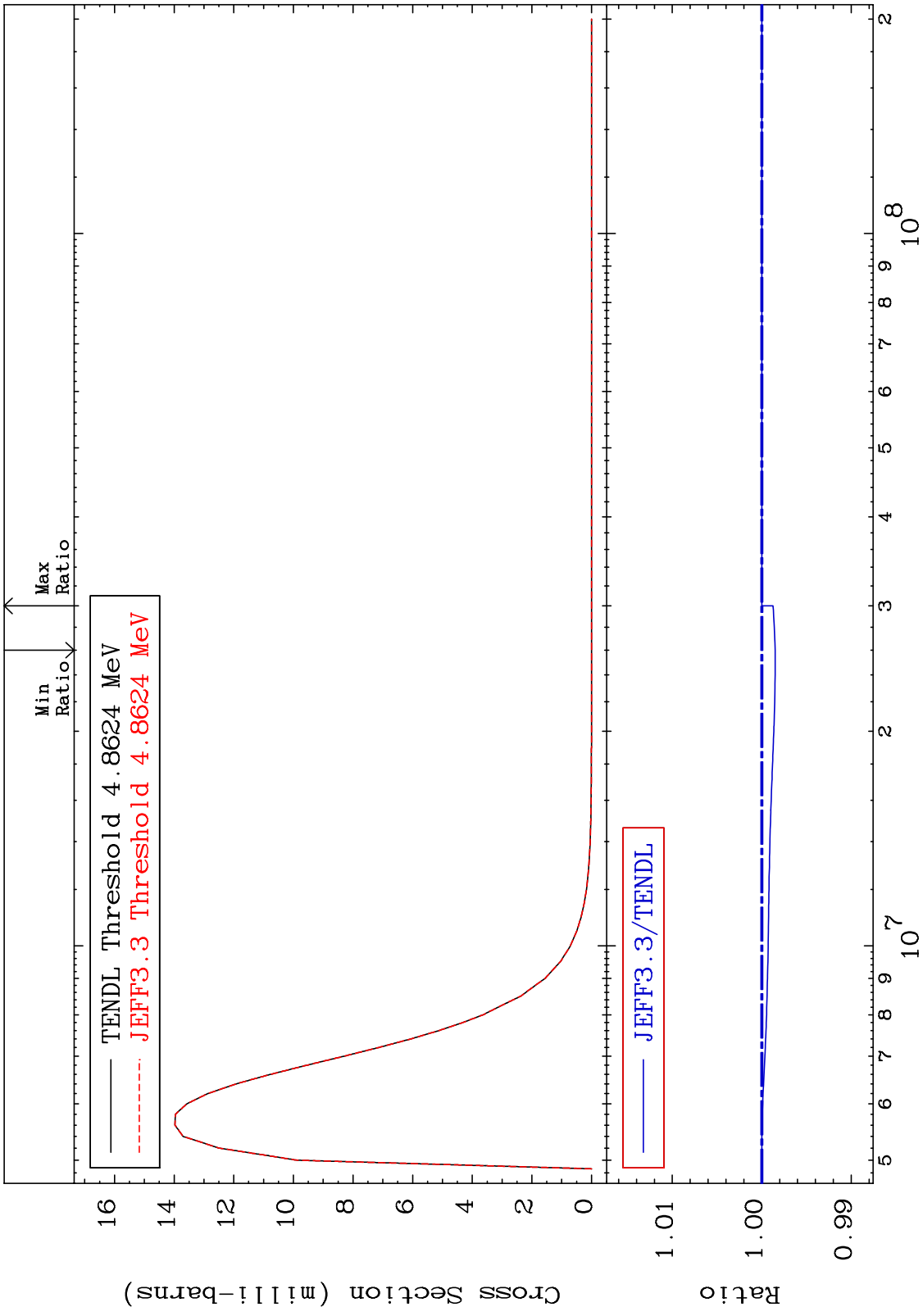
MAT 2043 MT= 66 (n,n') Level Cross Section -0.075 To 0.000 % 20-Ca-46



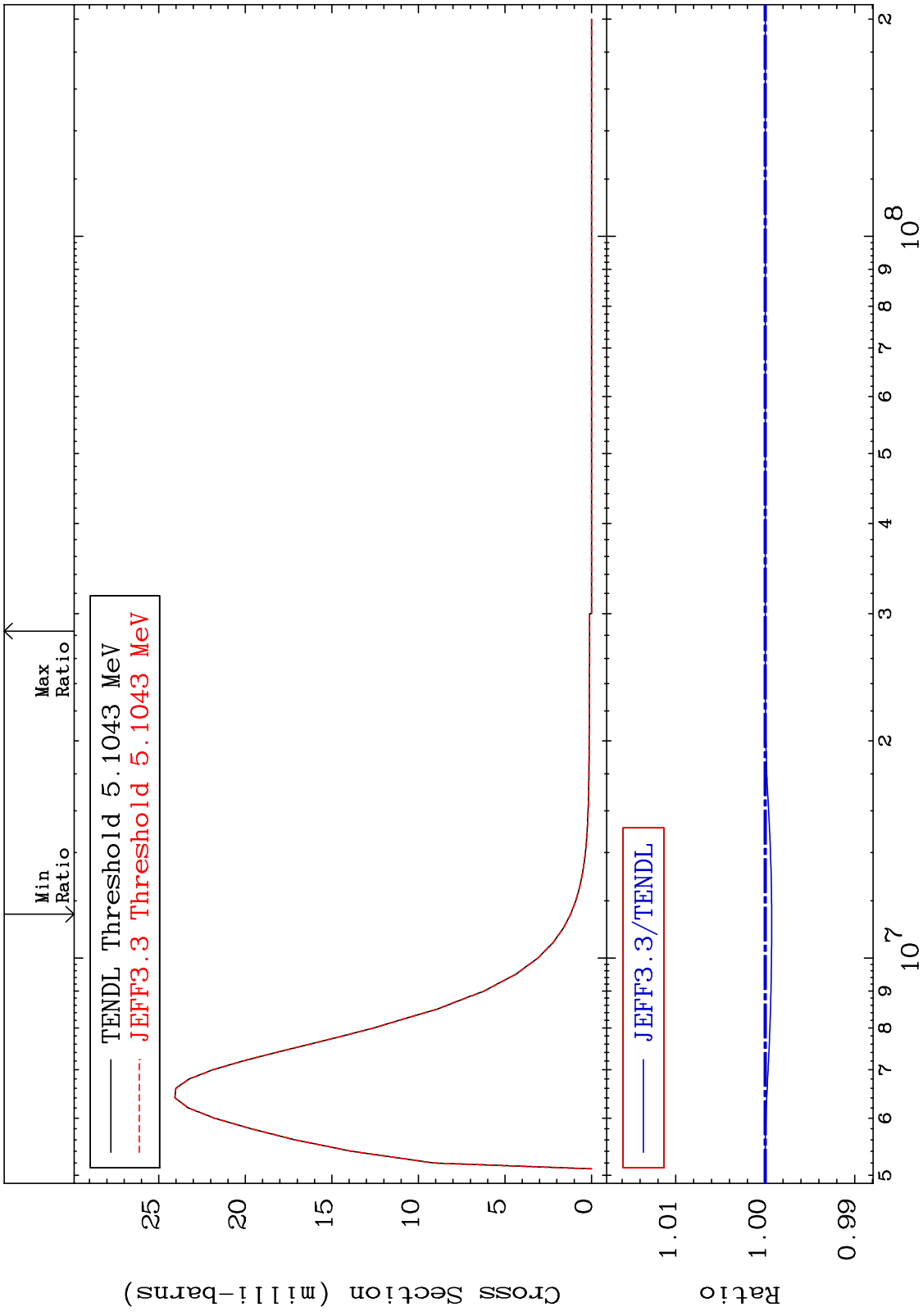
MAT 2043 MT= 67 (n,n') Level Cross Section 20-Ca-46
 -0.072 To 0.000 %



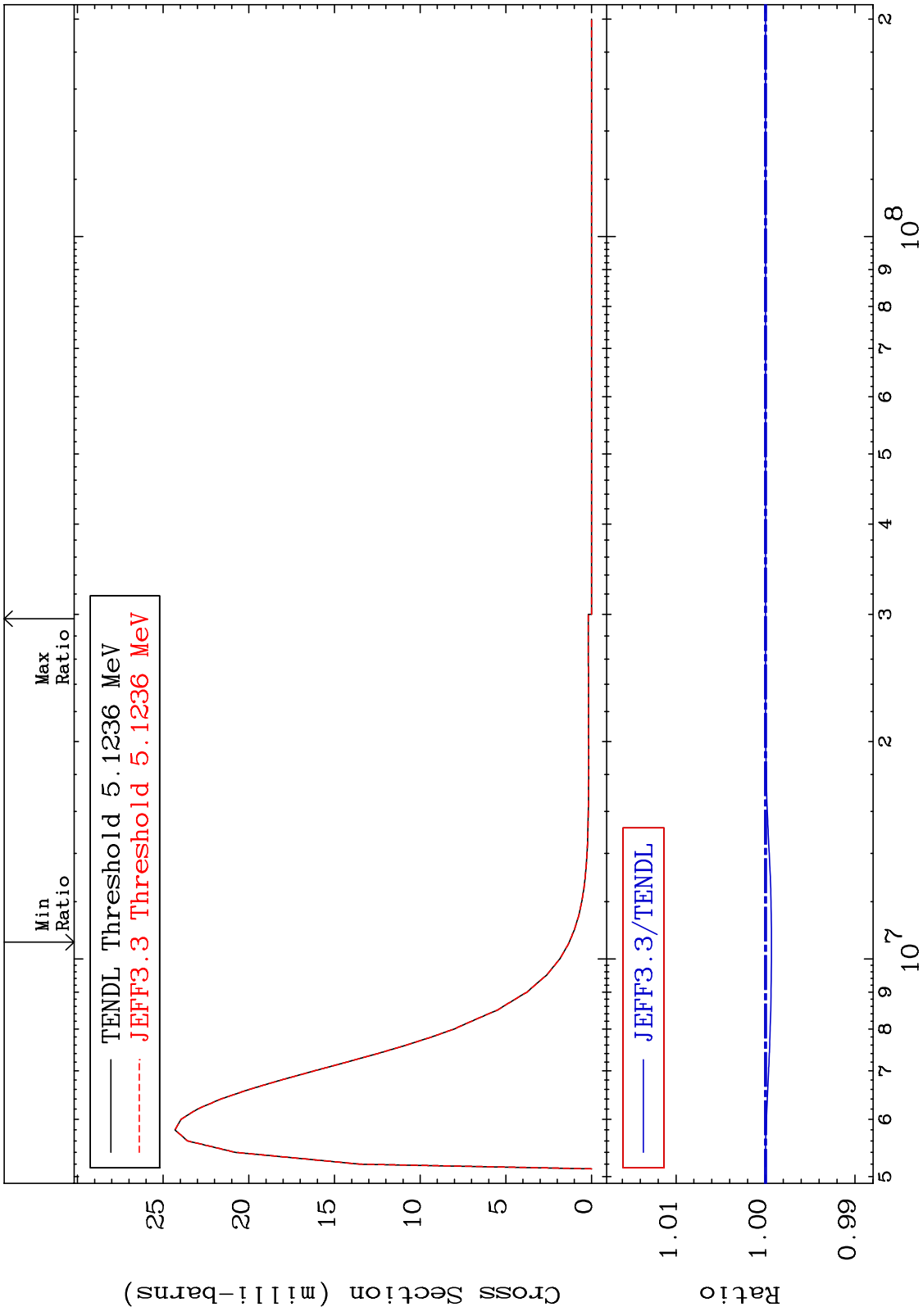
MAT 2043 MT= 68 (n, n') Level Cross Section -0.149 To 0.000 % 20-Ca-46



MAT 2043 MT= 69 (n,n') Level Cross Section 20-Ca-46
 -0.072 To 0.000 %



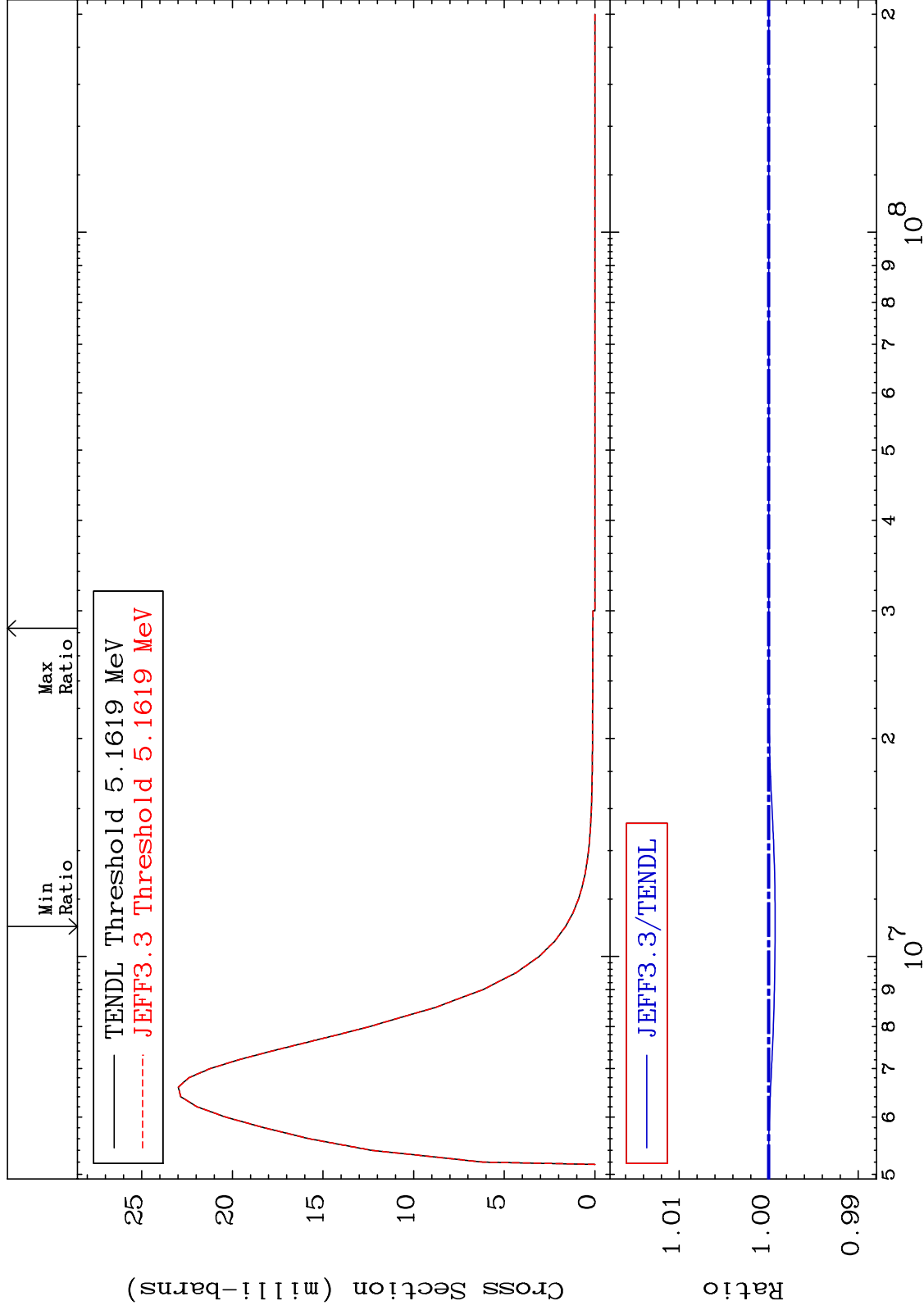
MAT 2043 MT= 70 (n,n') Level Cross Section 20-Ca-46
 -0.067 To 0.000 %



MAT 2043

MT= 71 (n,n') Level
Cross Section

20-Ca-46
-0.072 To 0.000 %

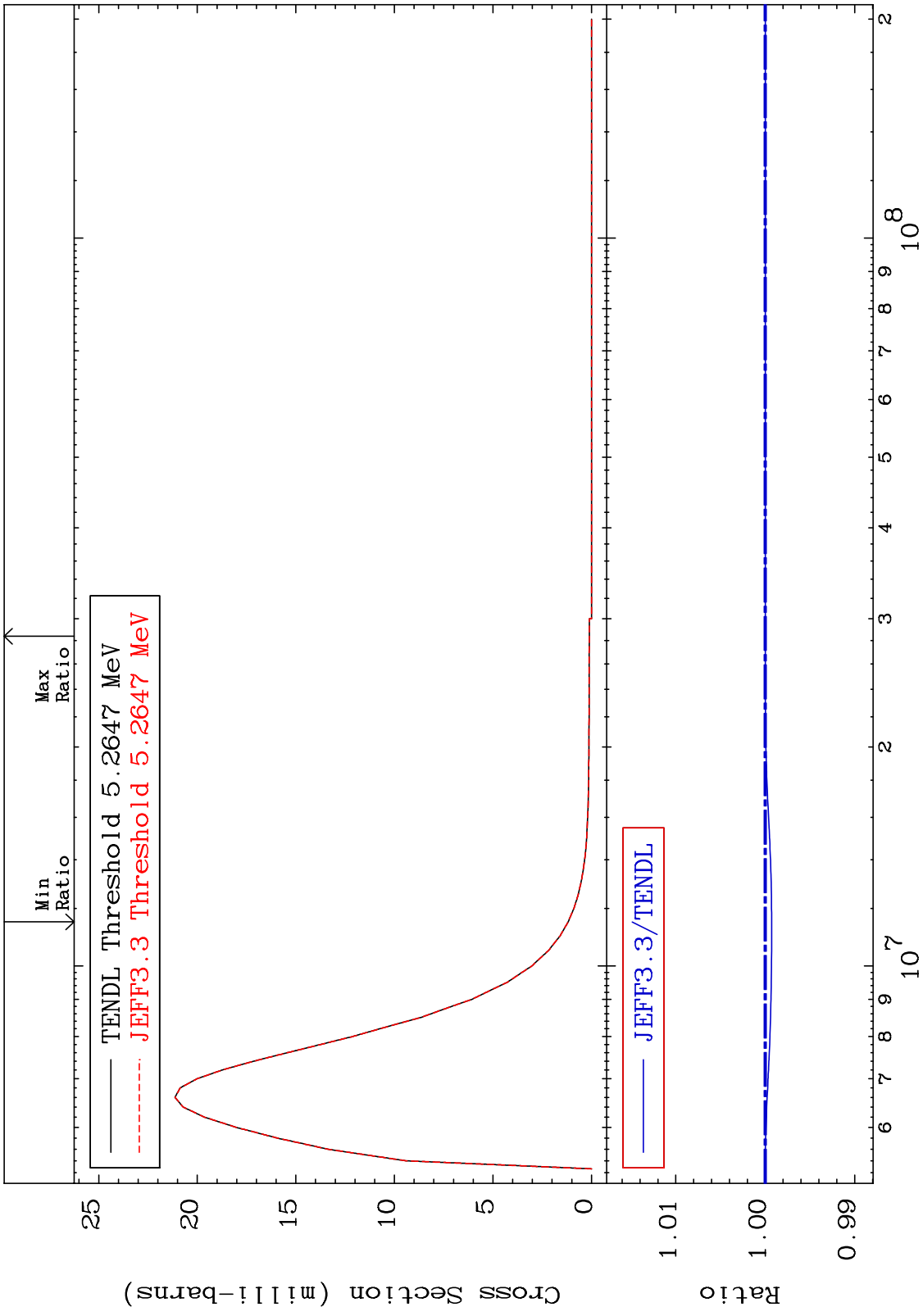


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Incident Energy (eV)

20-Ca-46

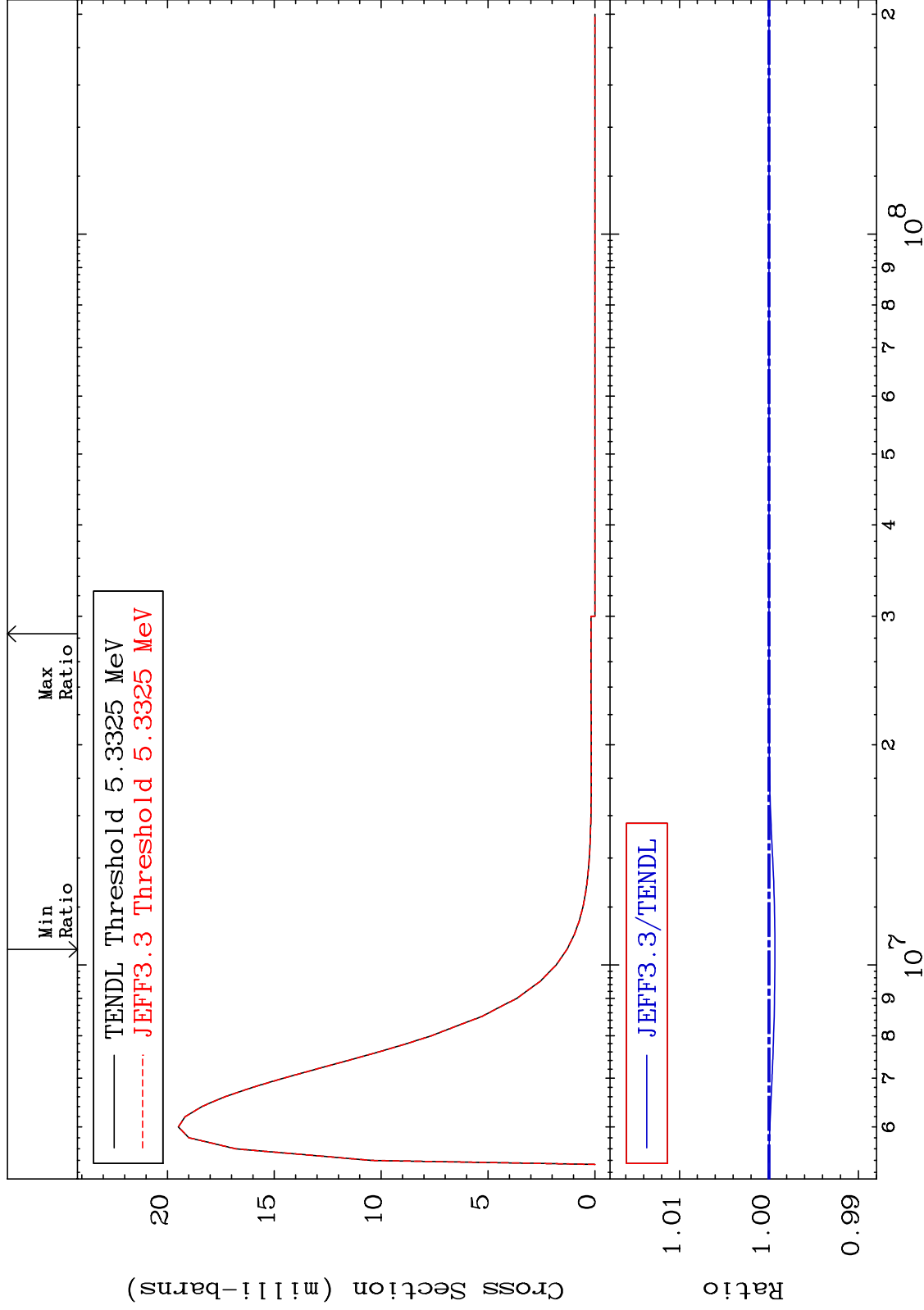
MAT 2043 MT= 72 (n,n') Level Cross Section 20-Ca-46
 -0.072 To 0.000 %



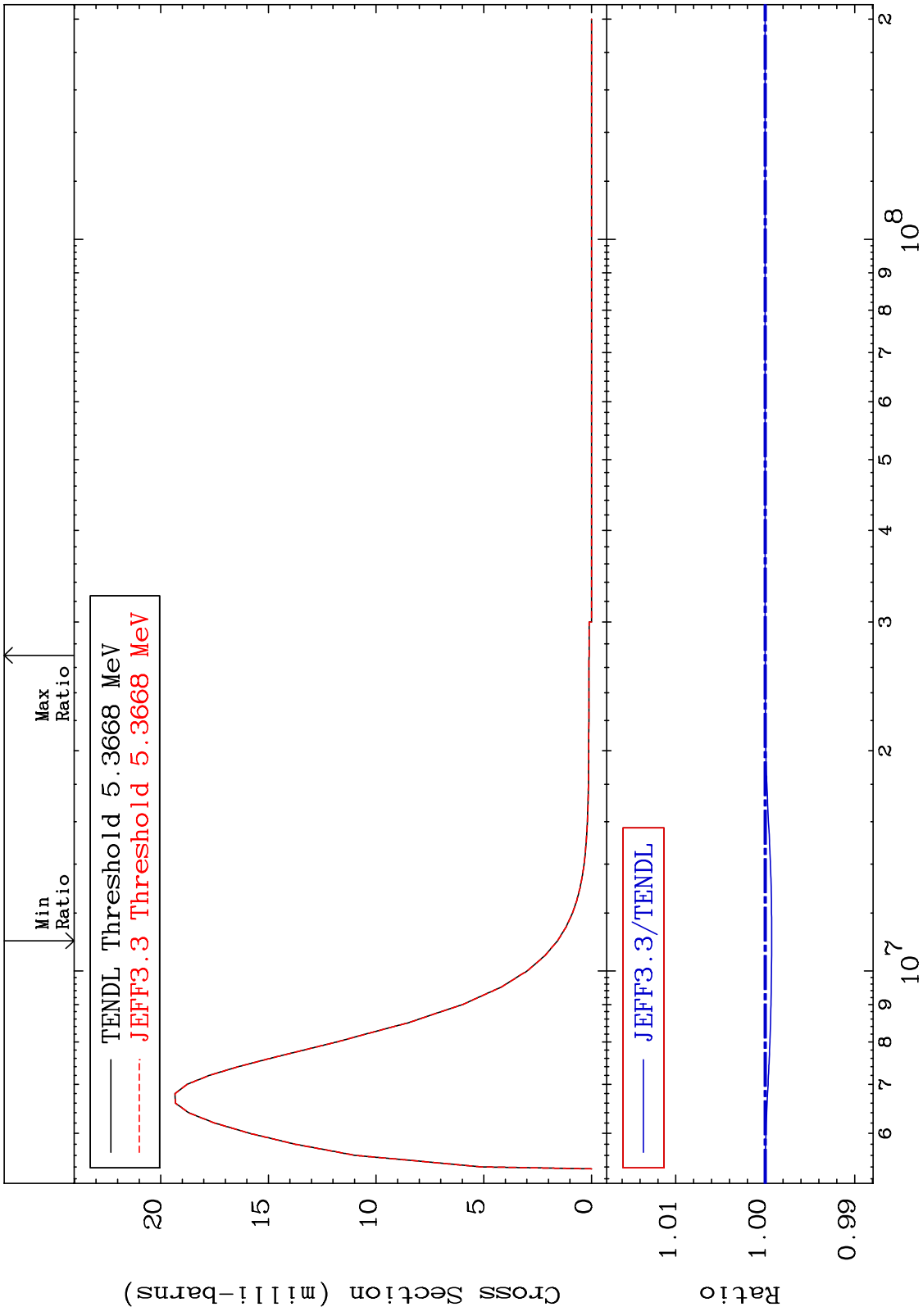
MAT 2043

MT= 73 (n,n') Level
Cross Section

20-Ca-46
-0.067 To 0.000 %



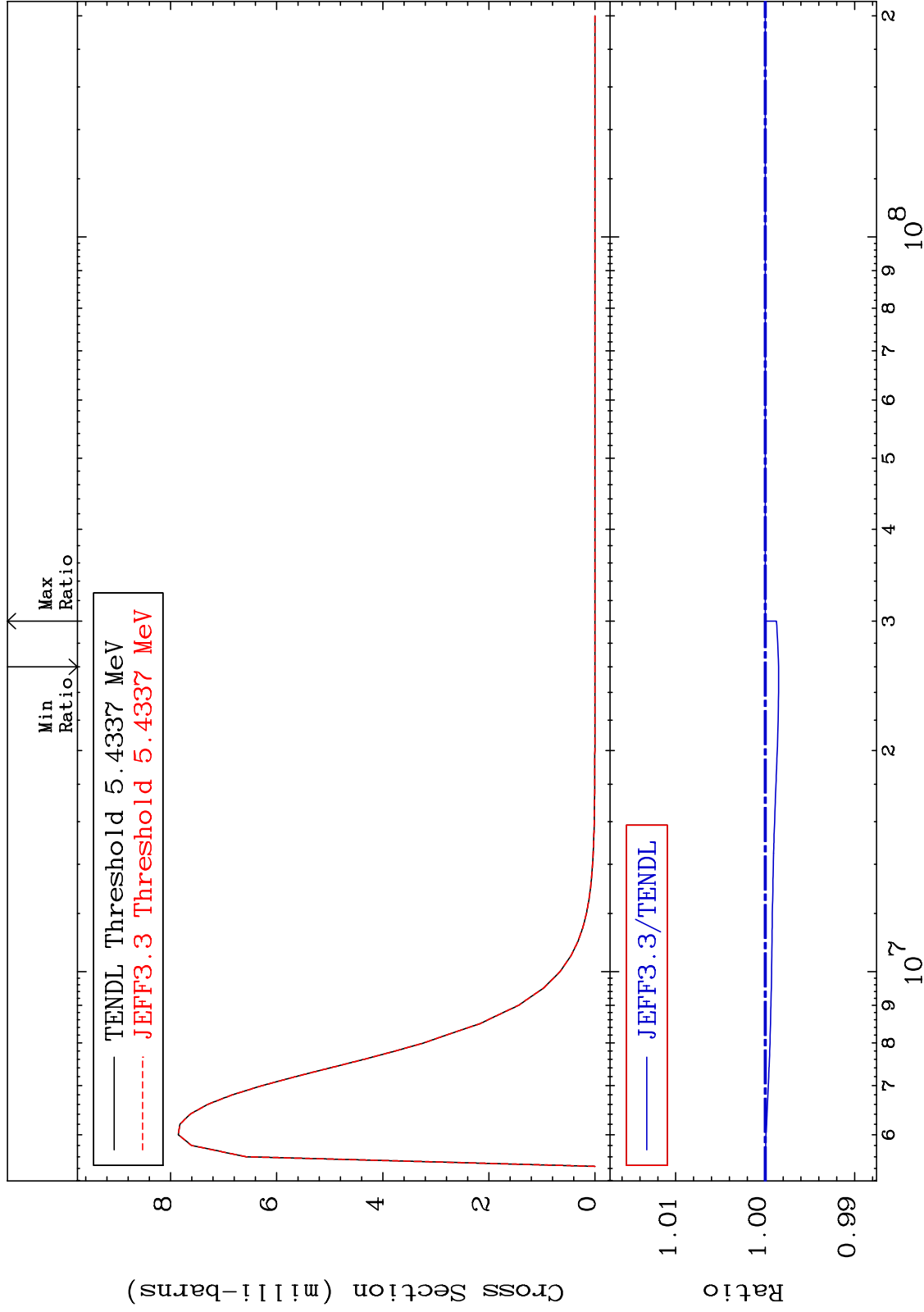
MAT 2043 MT= 74 (n,n') Level Cross Section 20-Ca-46 -0.072 To 0.000 %



MAT 2043

MT= 75 (n,n') Level
Cross Section

20-Ca-46
-0.149 To 0.000 %

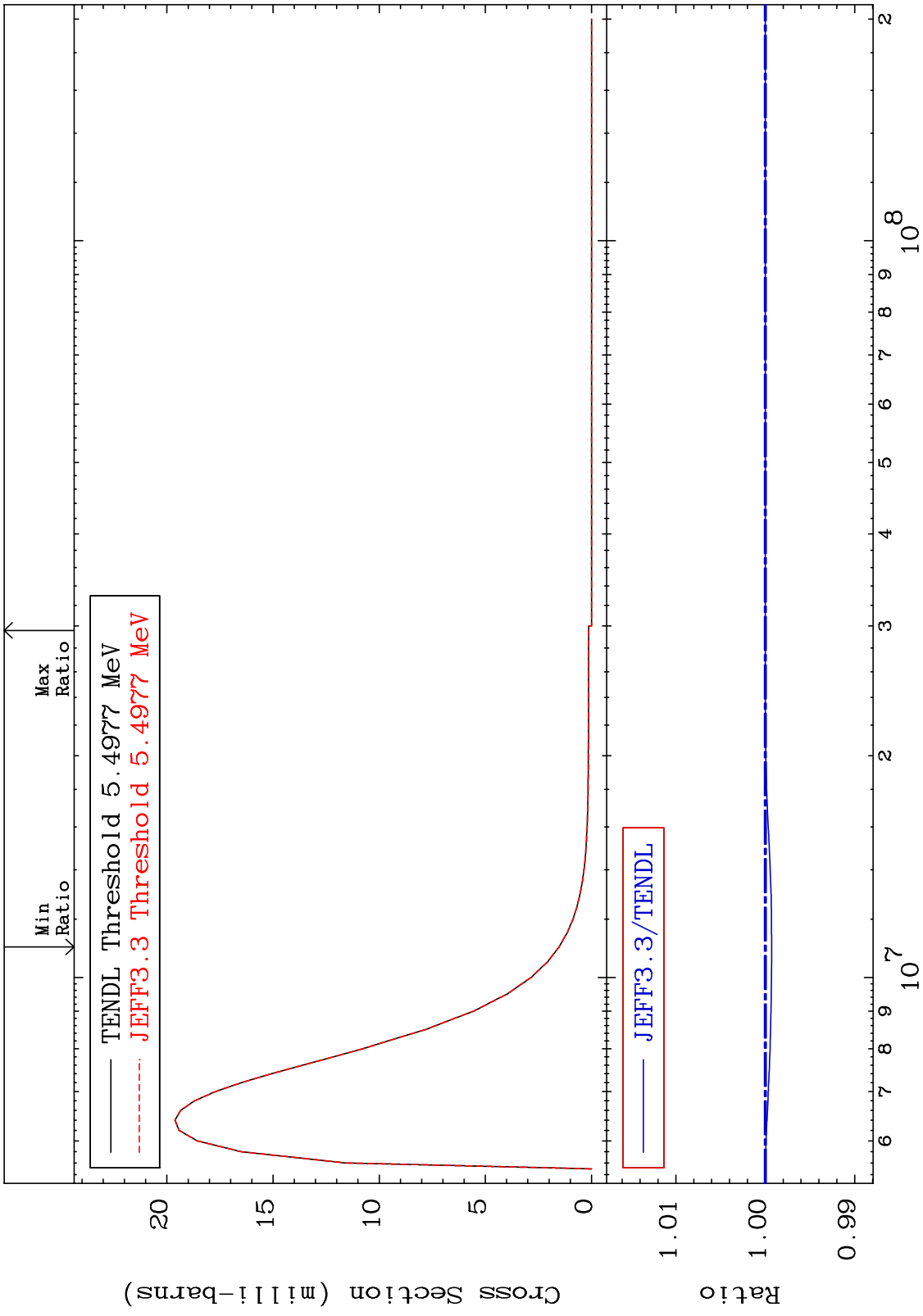


40

Incident Energy (eV)

20-Ca-46

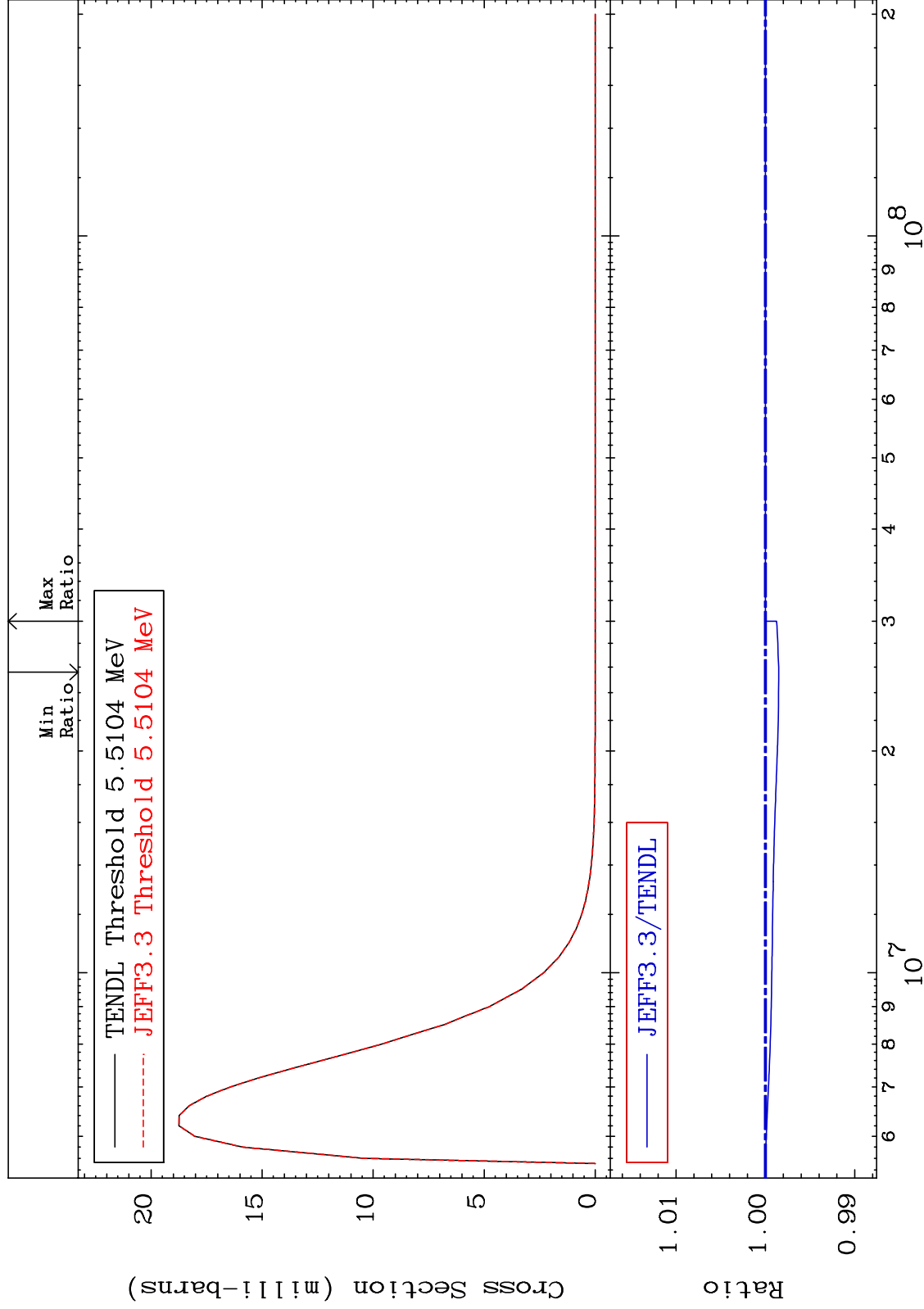
MAT 2043 MT= 76 (n,n') Level Cross Section -0.071 To 0.000 % 20-Ca-46



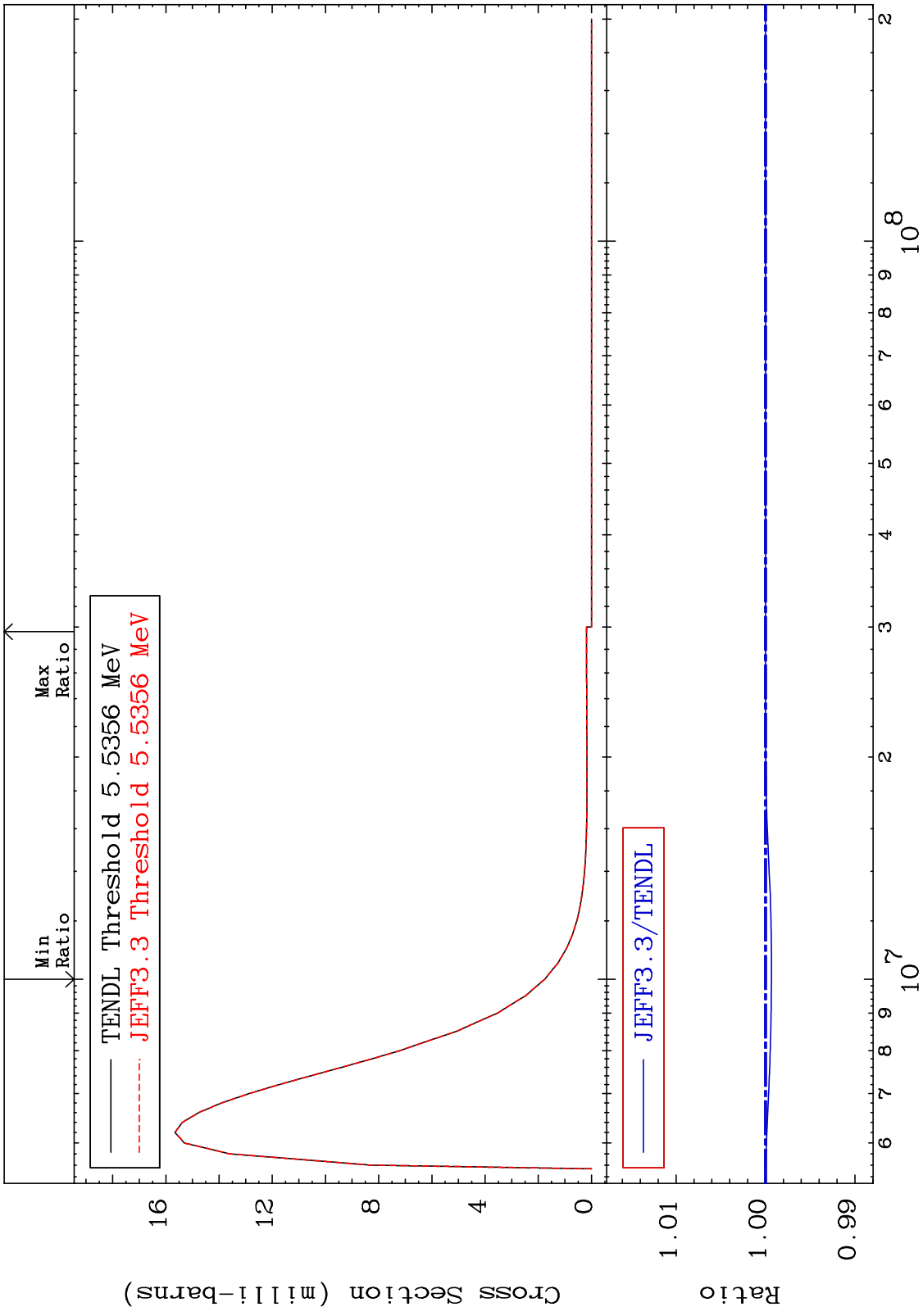
MAT 2043

MT= 77 (n,n') Level
Cross Section

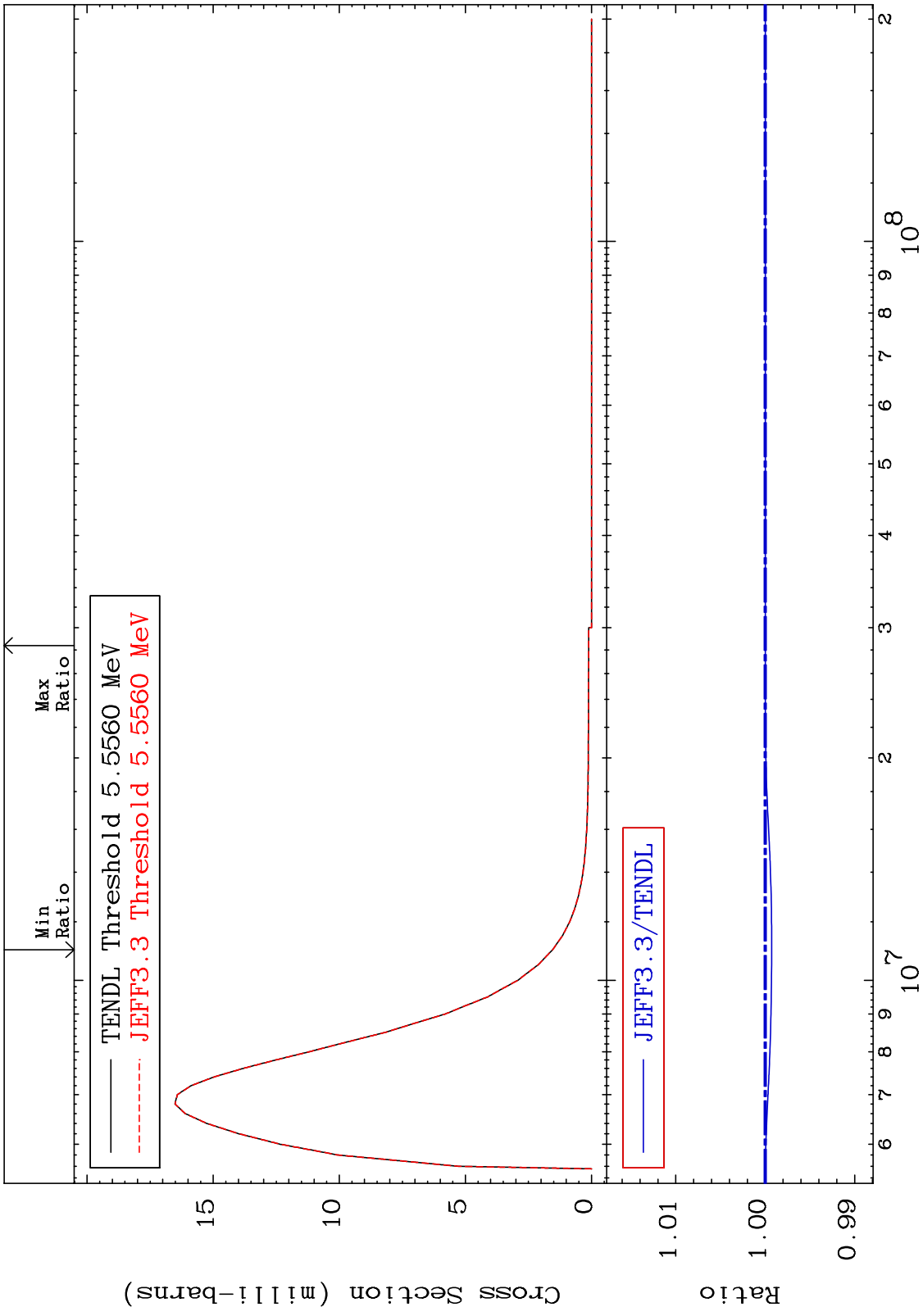
20-Ca-46
-0.148 To 0.000 %



MAT 2043 MT= 78 (n,n') Level Cross Section 20-Ca-46
 -0.066 To 0.000 %



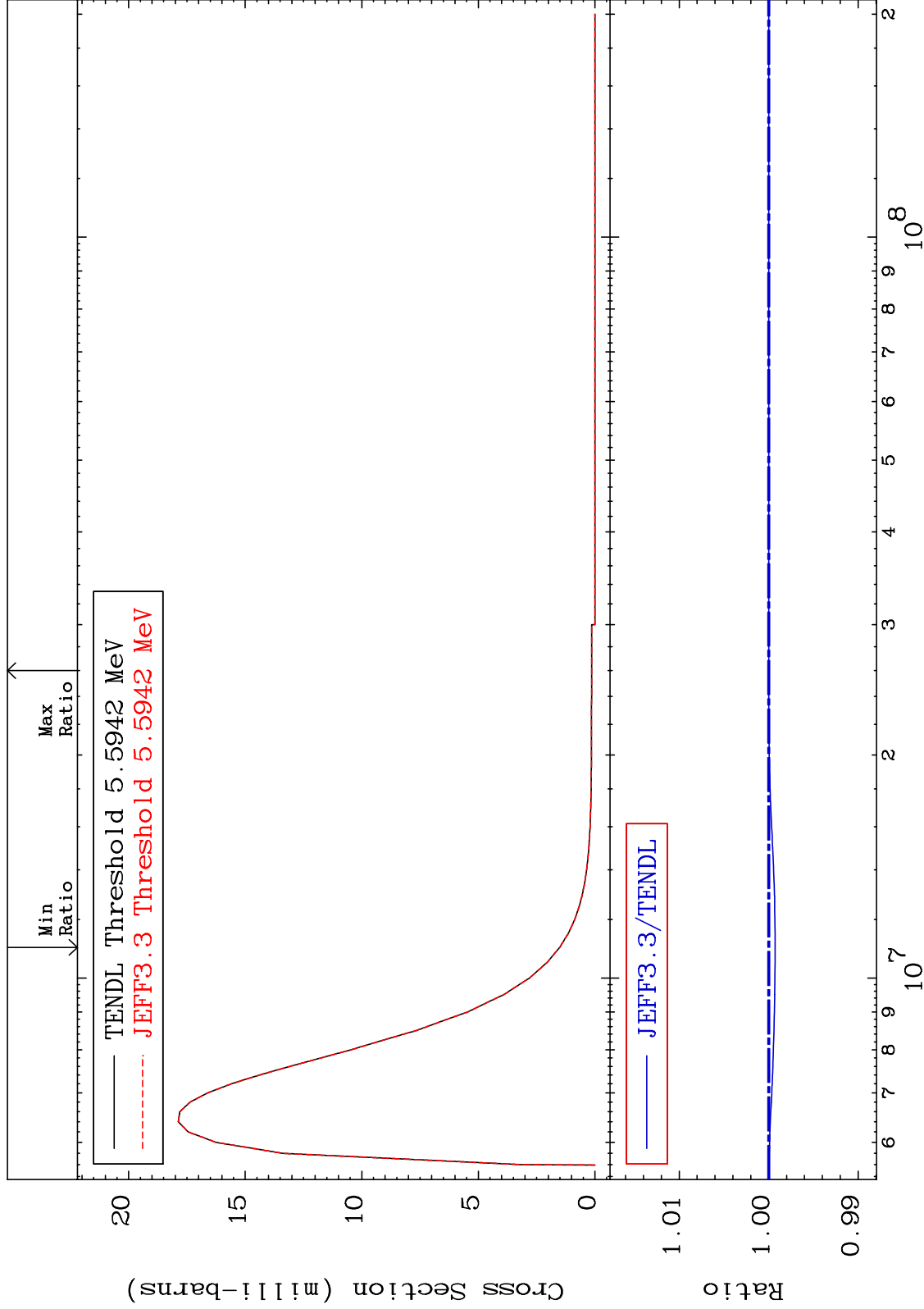
MAT 2043 MT= 79 (n,n') Level Cross Section 20-Ca-46
 -0.072 To 0.000 %



MAT 2043

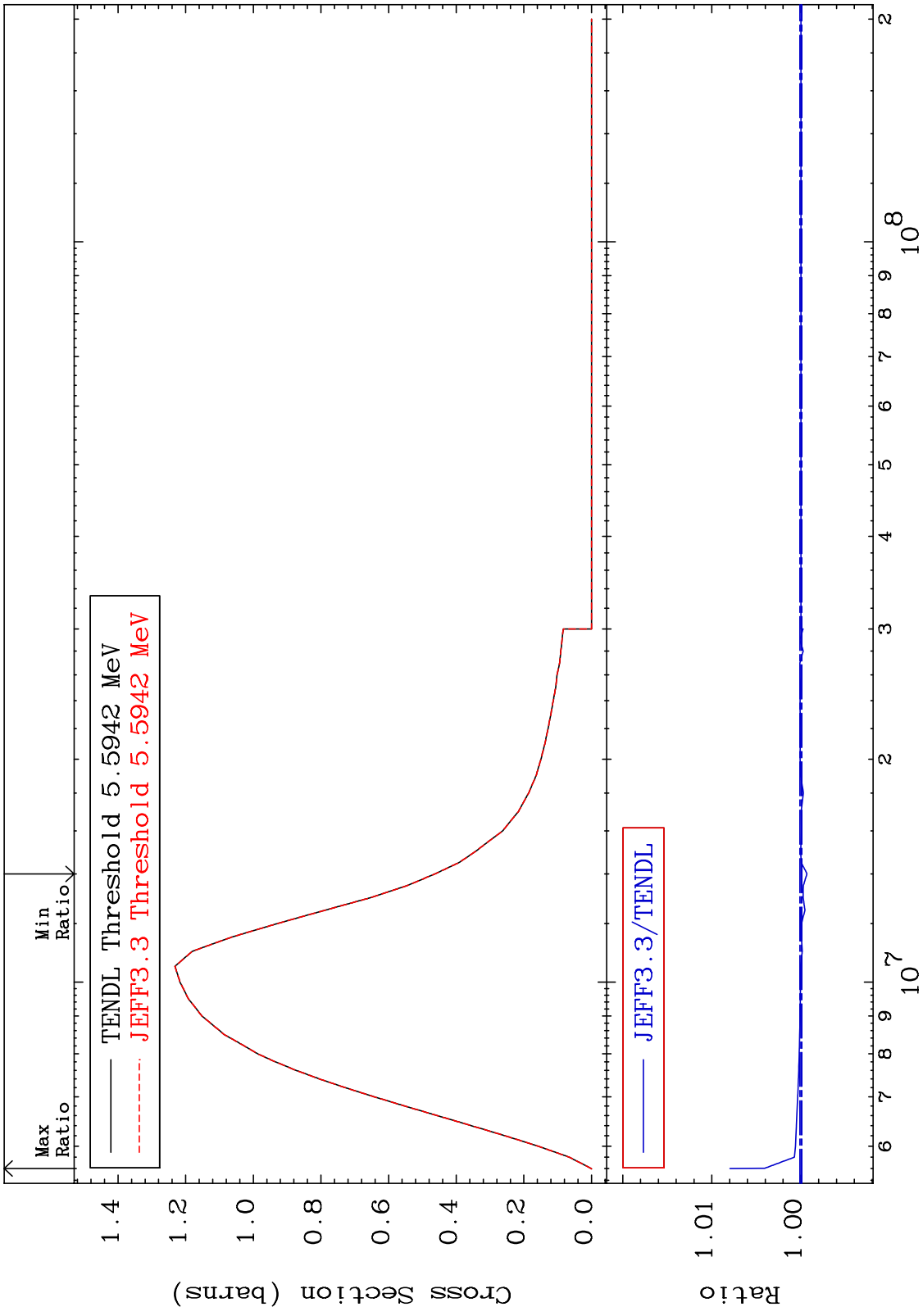
MT= 80 (n,n') Level
Cross Section

20-Ca-46
-0.071 To 0.000 %



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MAT 2043 (n,n') Continuum Cross Section 20-Ca-46
 -0.068 To 0.796 %



46 20-Ca-46

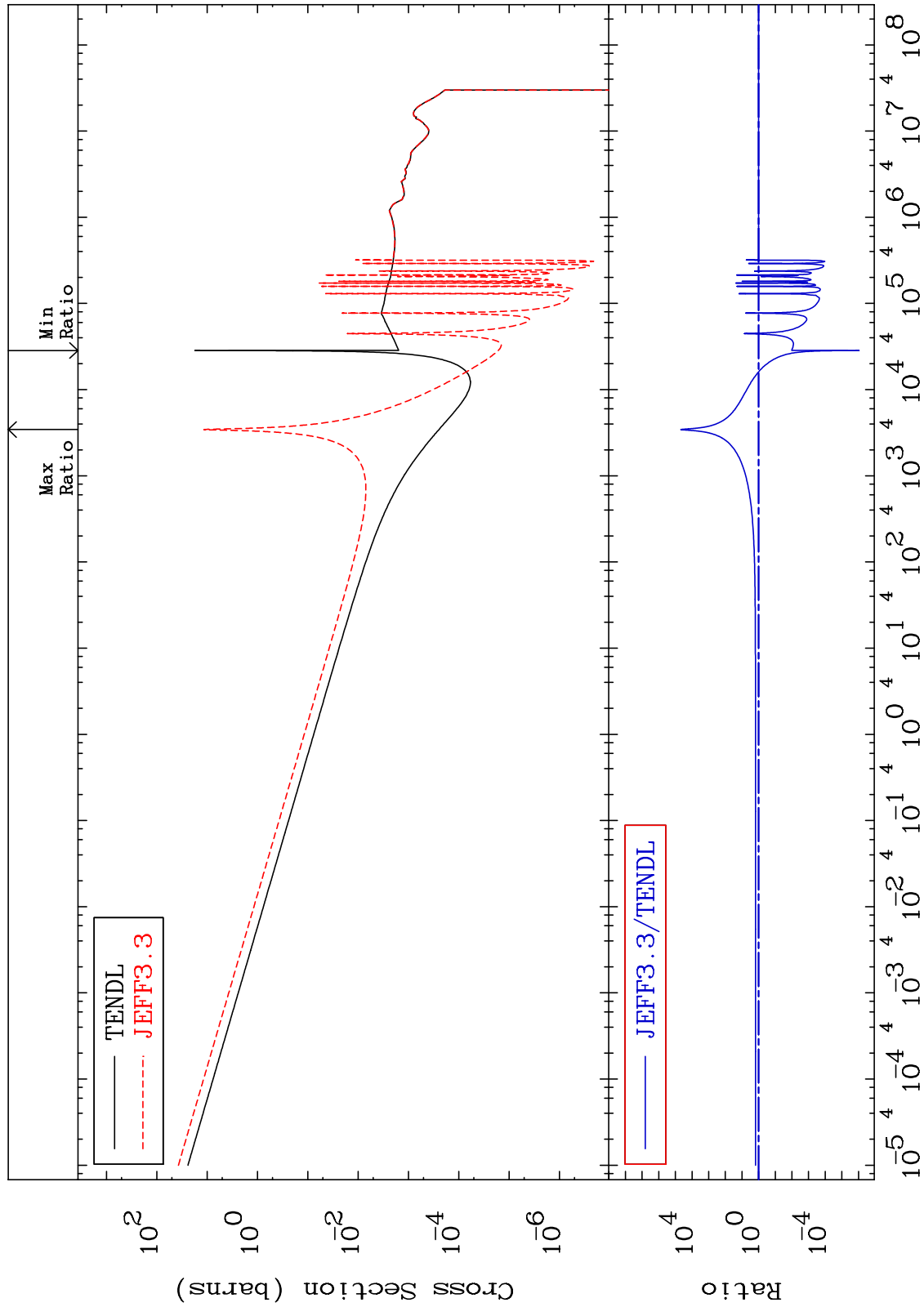
MAT 2043

(n, γ)

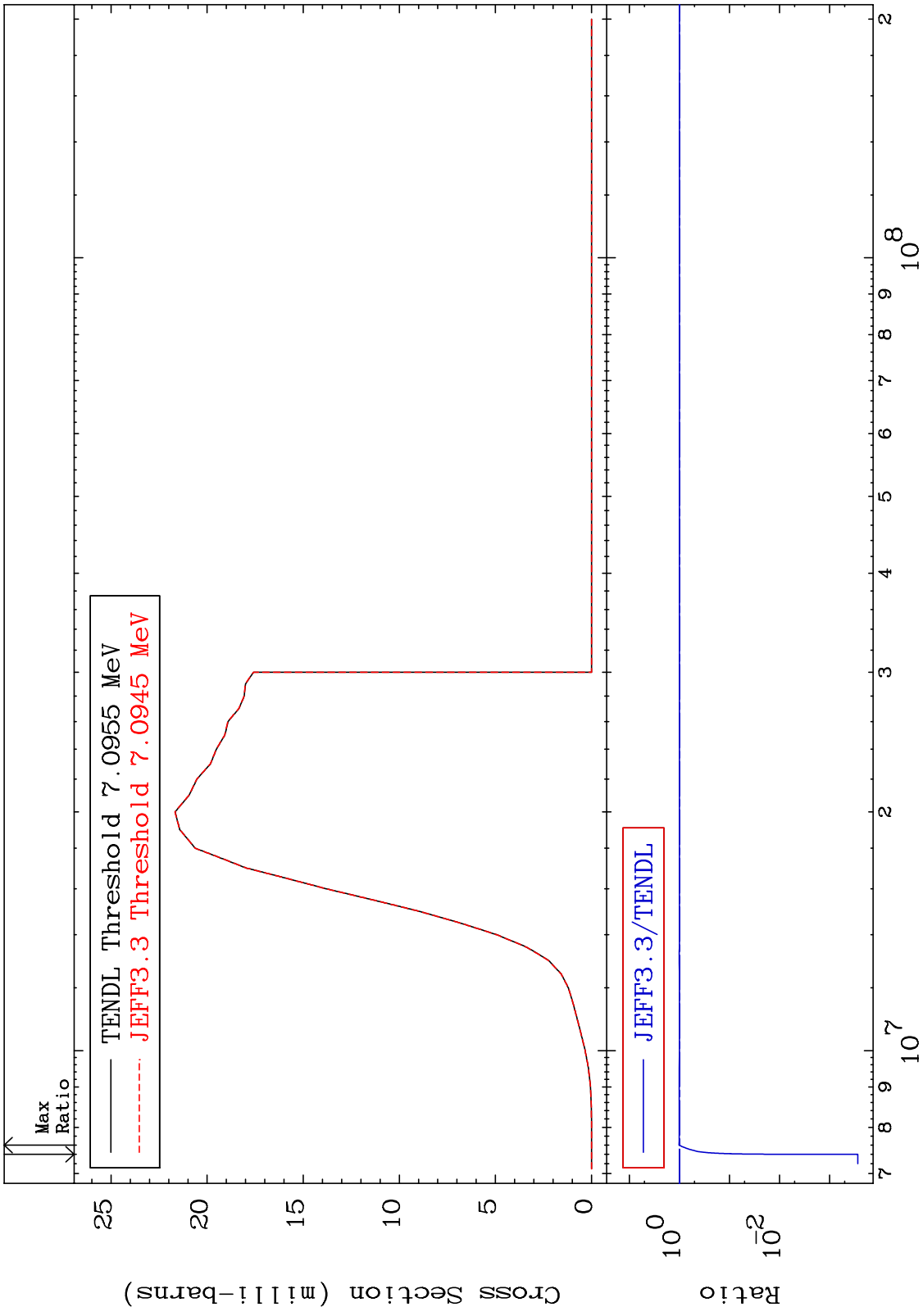
20-Ca-46

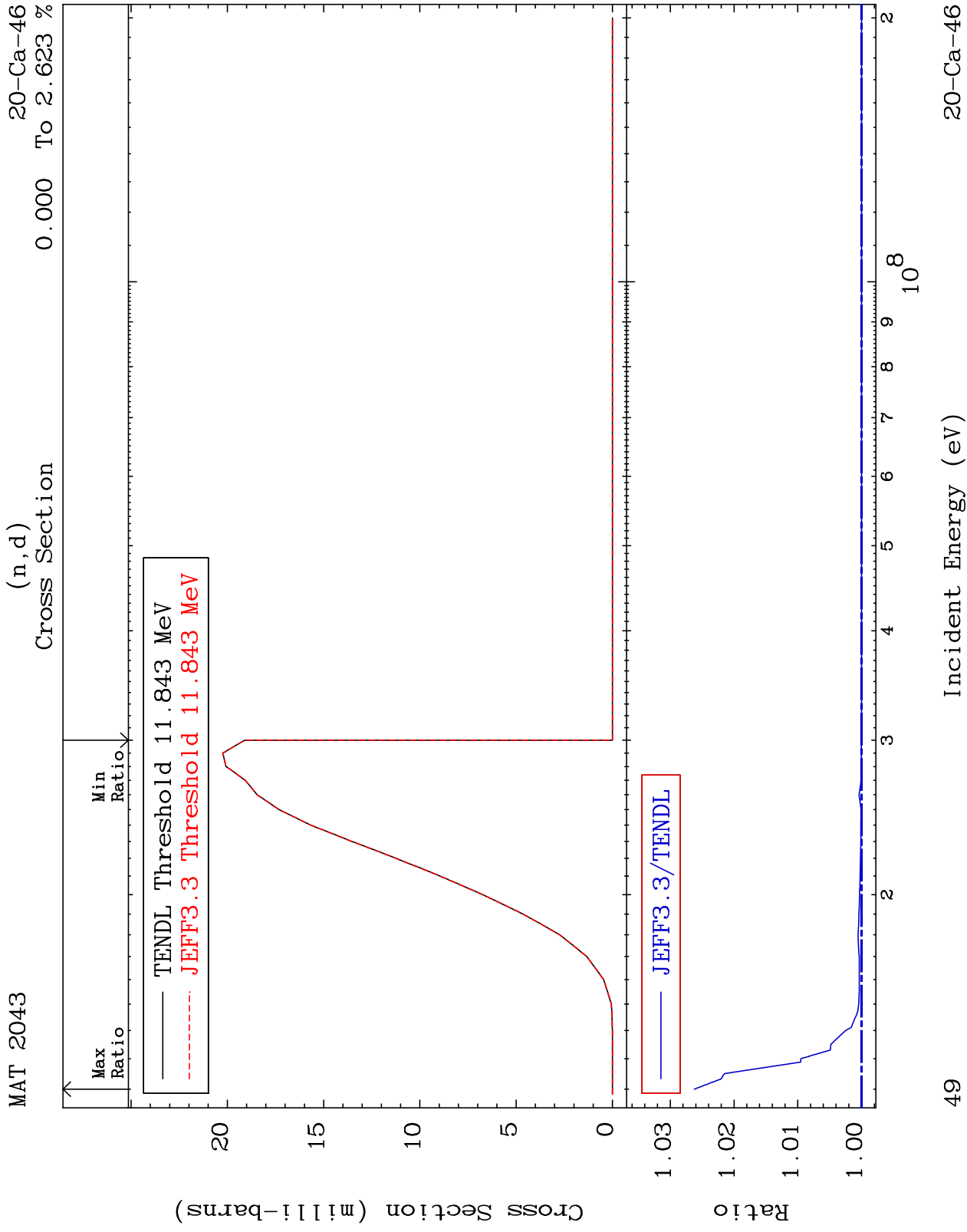
Cross Section

-100.0 To 9999. %

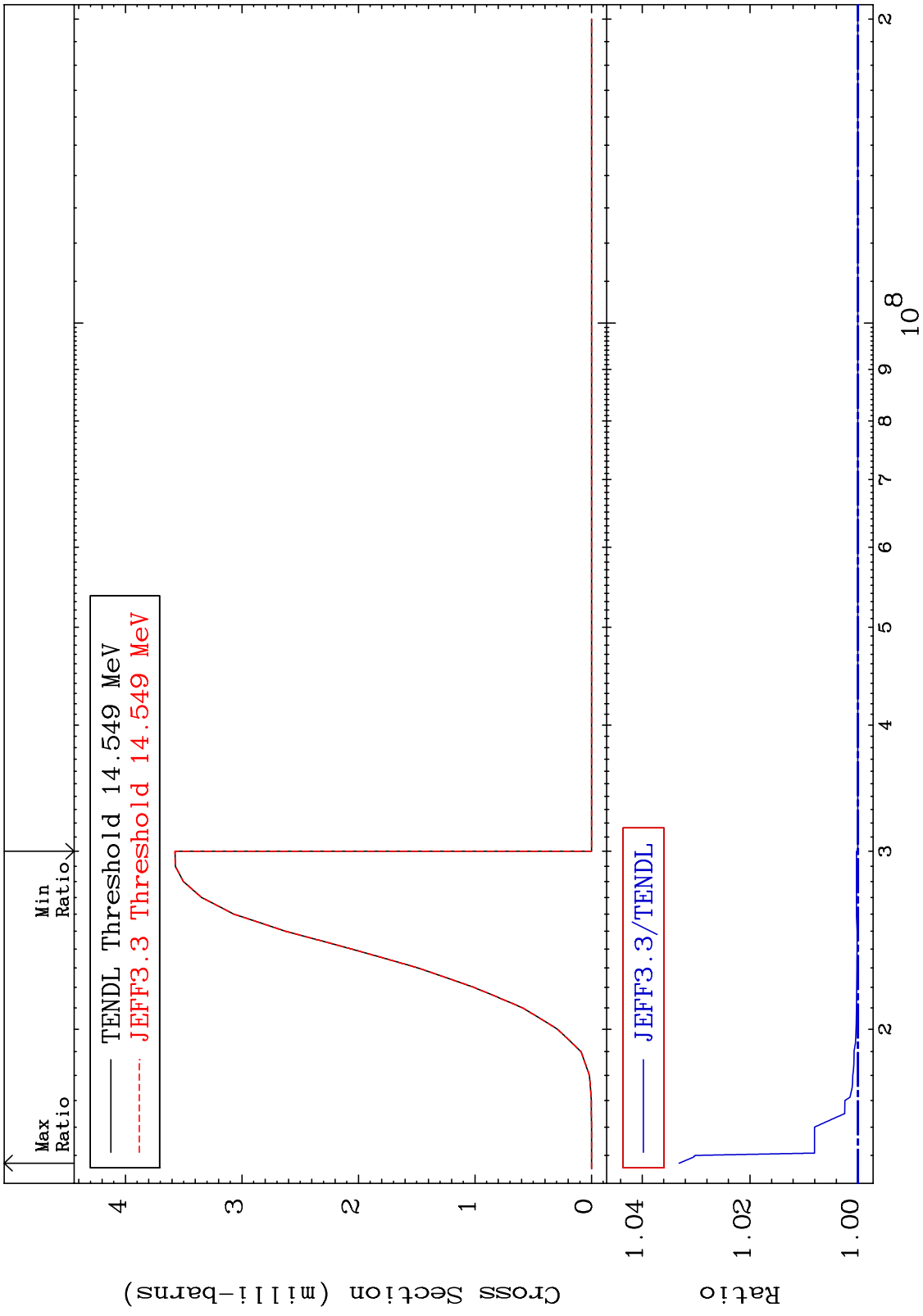


MAT 2043 (n,p) Cross Section 20-Ca-46 -99.97 To 1.392 %

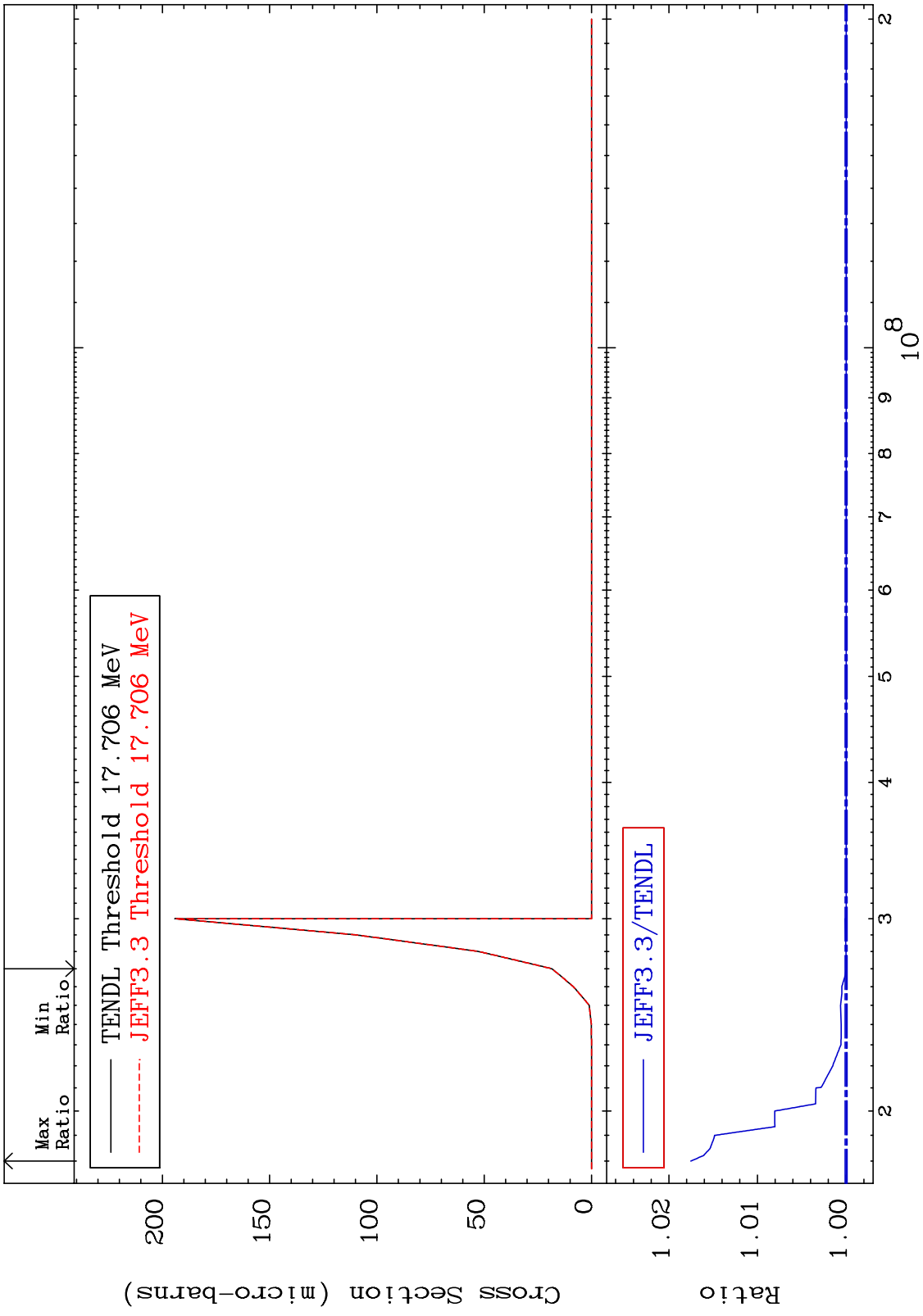




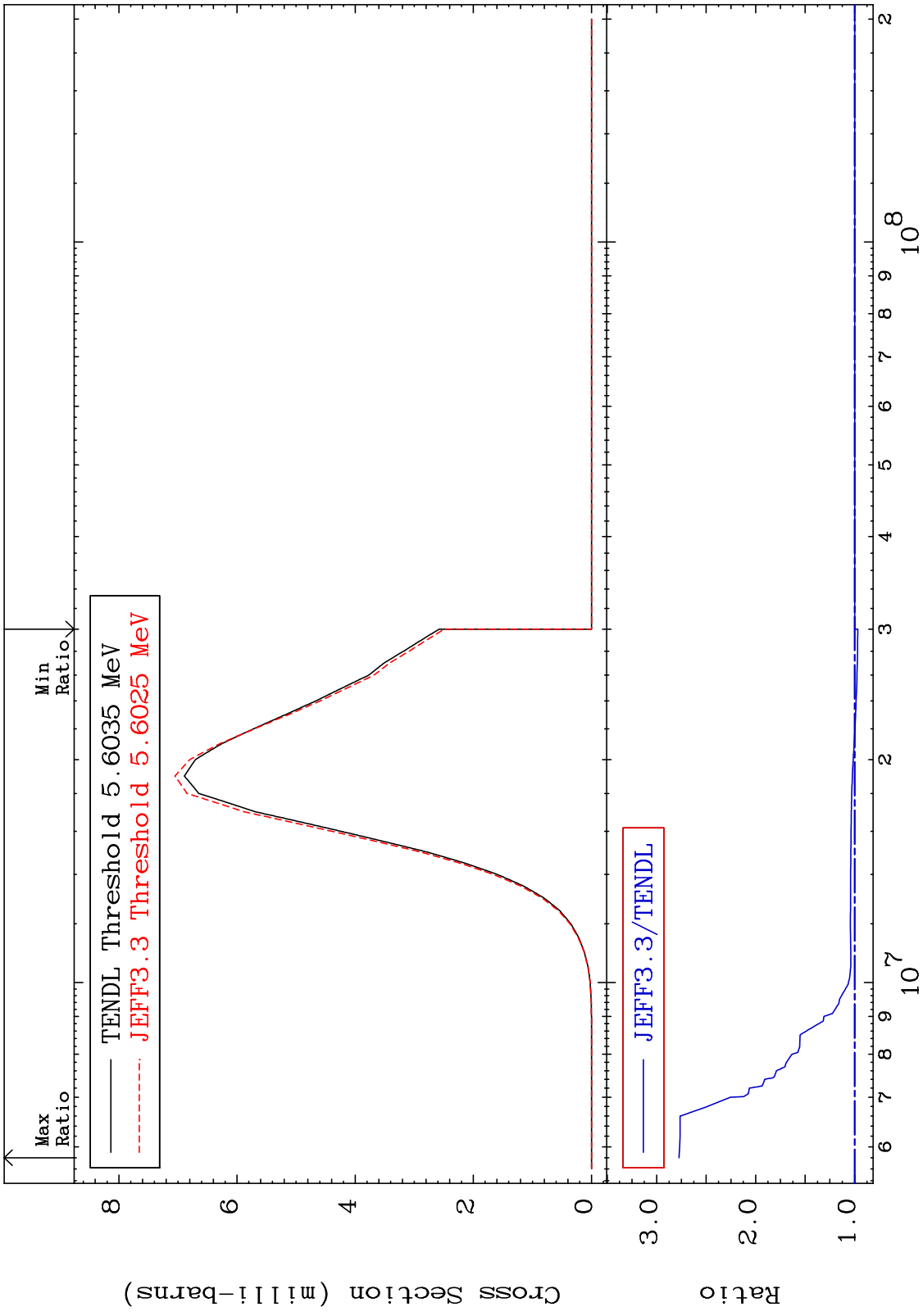
MAT 2043 (n,t) Cross Section 20-Ca-46 To 3.316 %



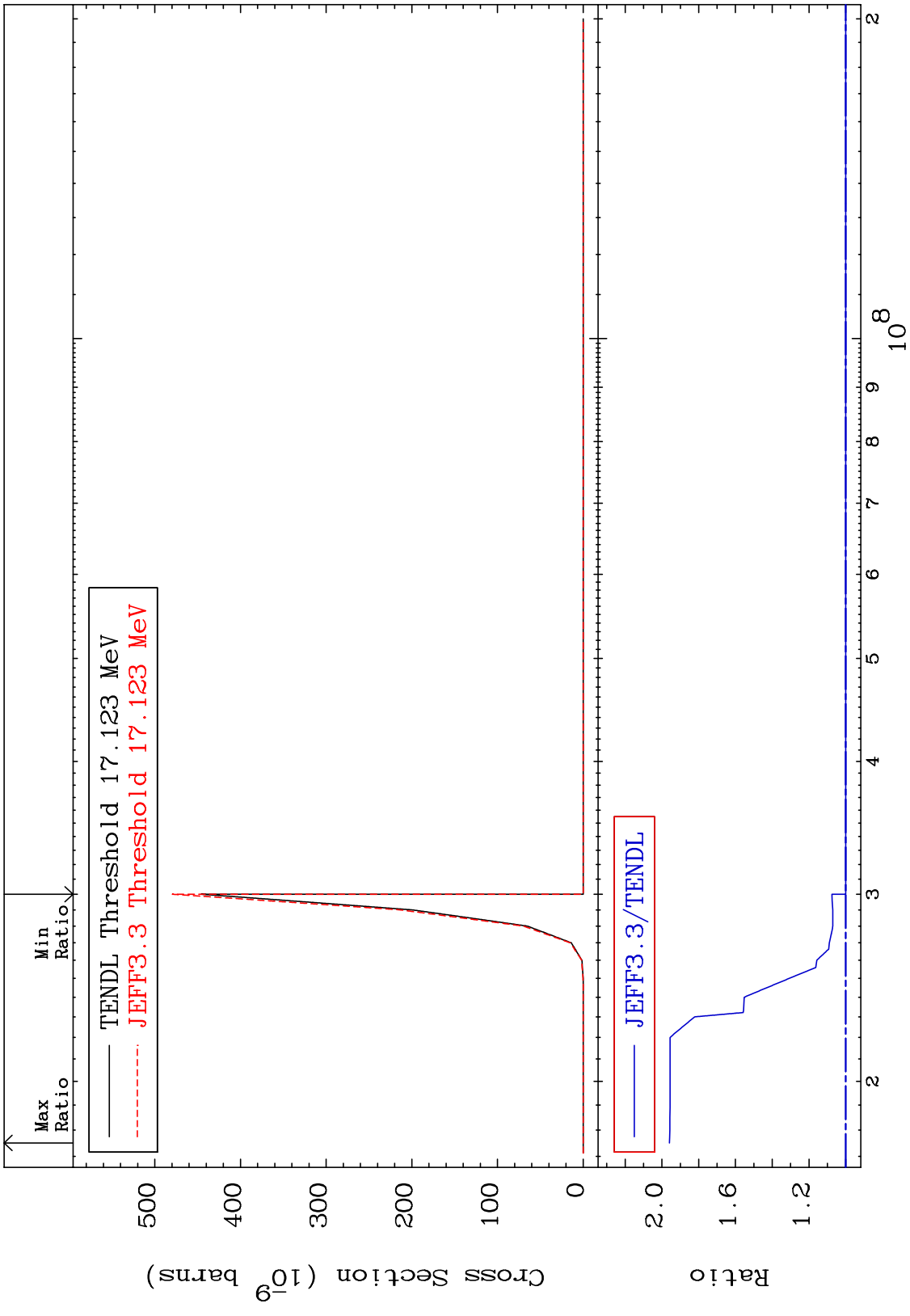
MAT 2043 (n, He-3) 20-Ca-46
 Cross Section 0.000 To 1.753 %



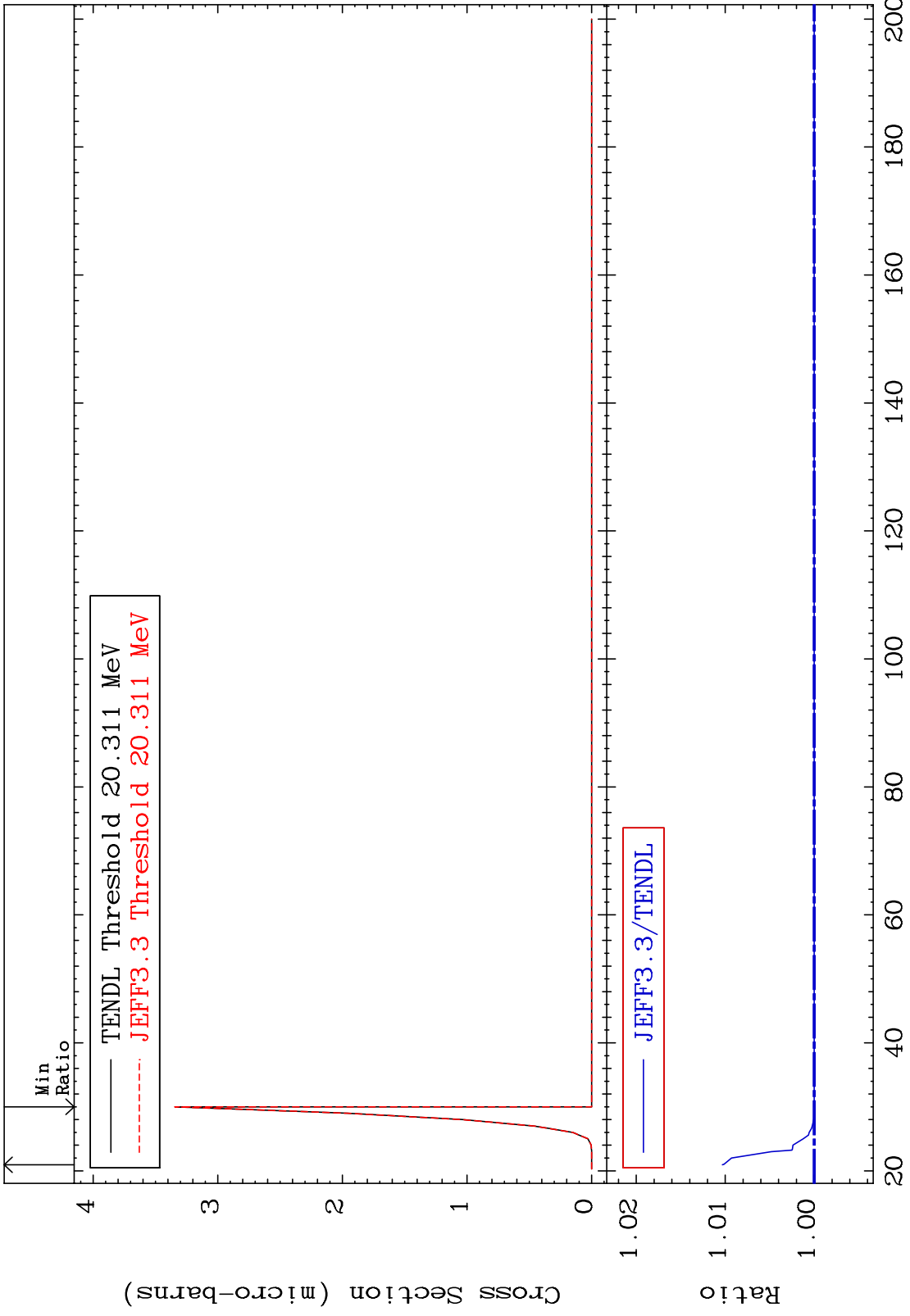
MAT 2043 (n, α) Cross Section $^{20}\text{Ca-46}$ -3.244 To 177.4 %

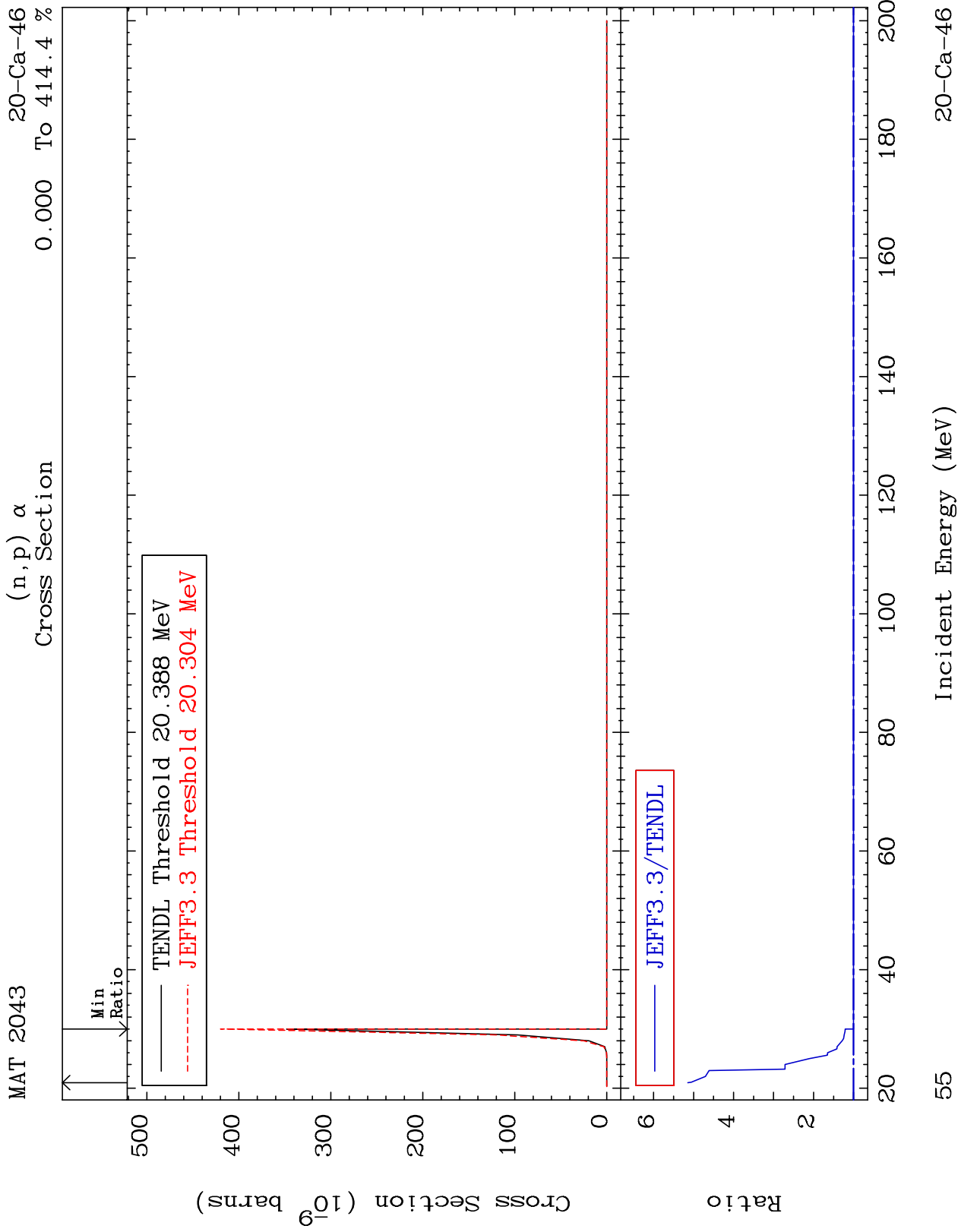


MAT 2043 $(n, 2\alpha)$ 20-Ca-46
 Cross Section 0.000 To 95.89 %

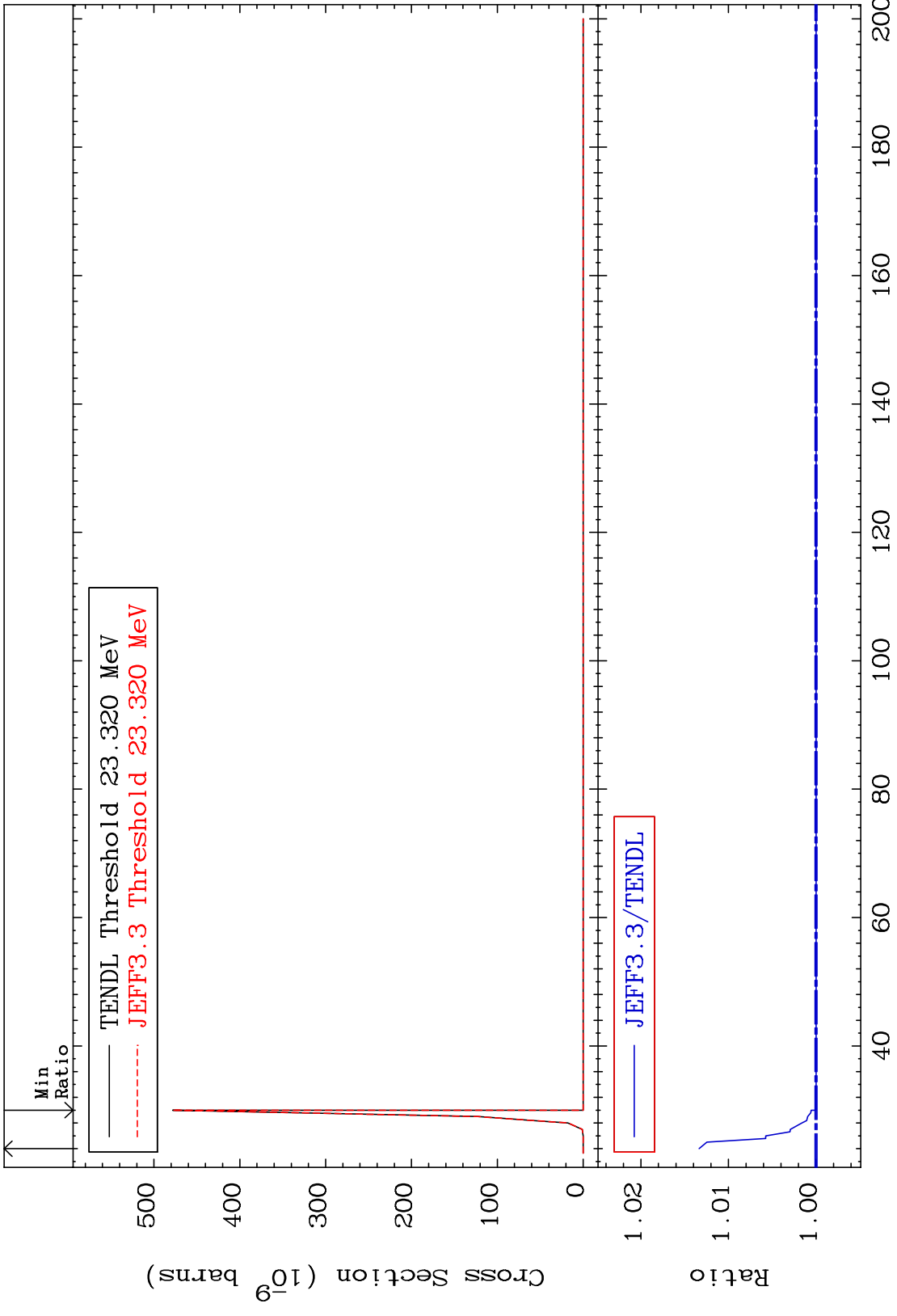


MAT 2043 (n,2p) Cross Section 20-Ca-46 -0.005 To 1.032 %

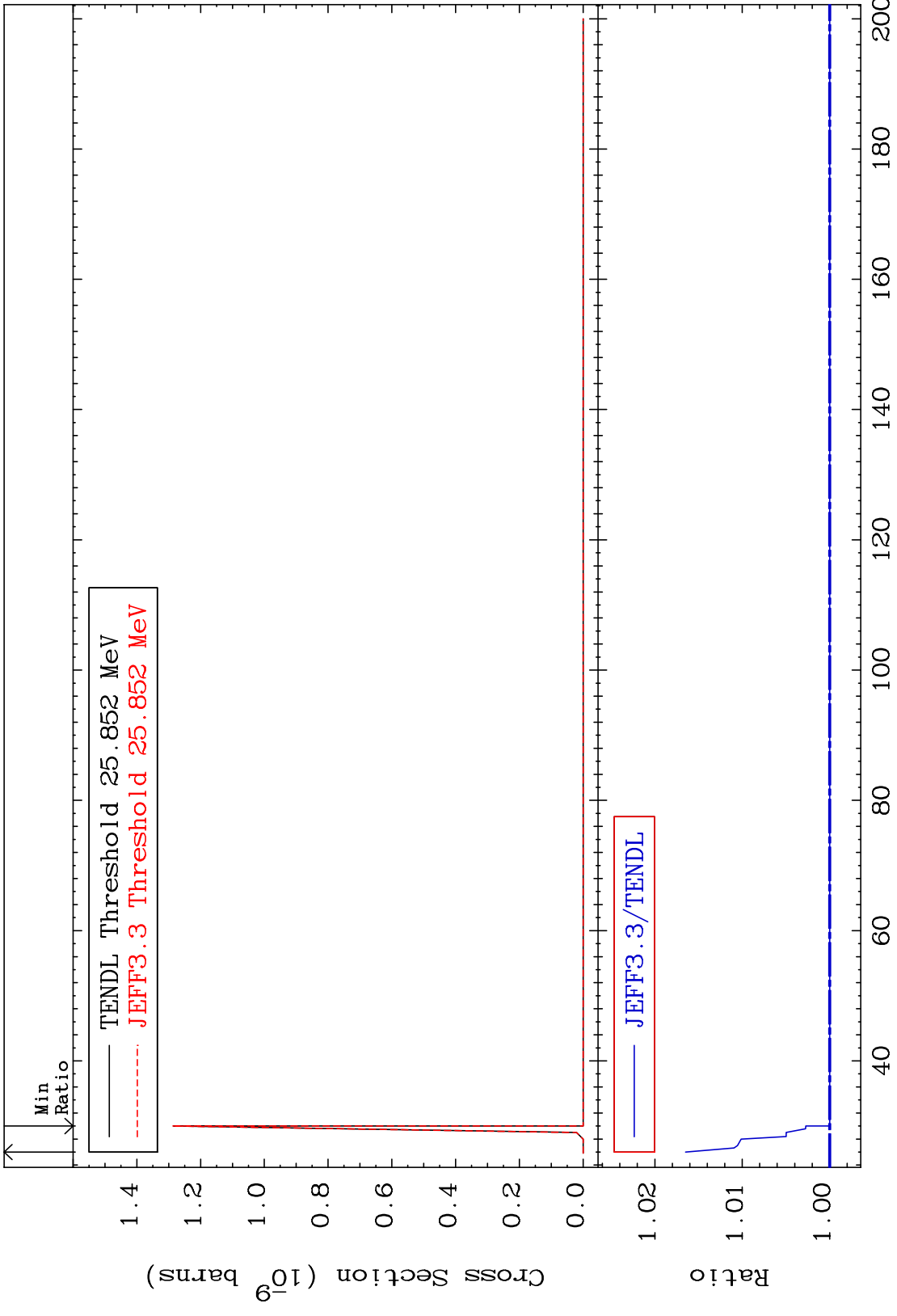




MAT 2043 (n,p) d 20-Ca-46
 Cross Section 0.000 To 1.336 %



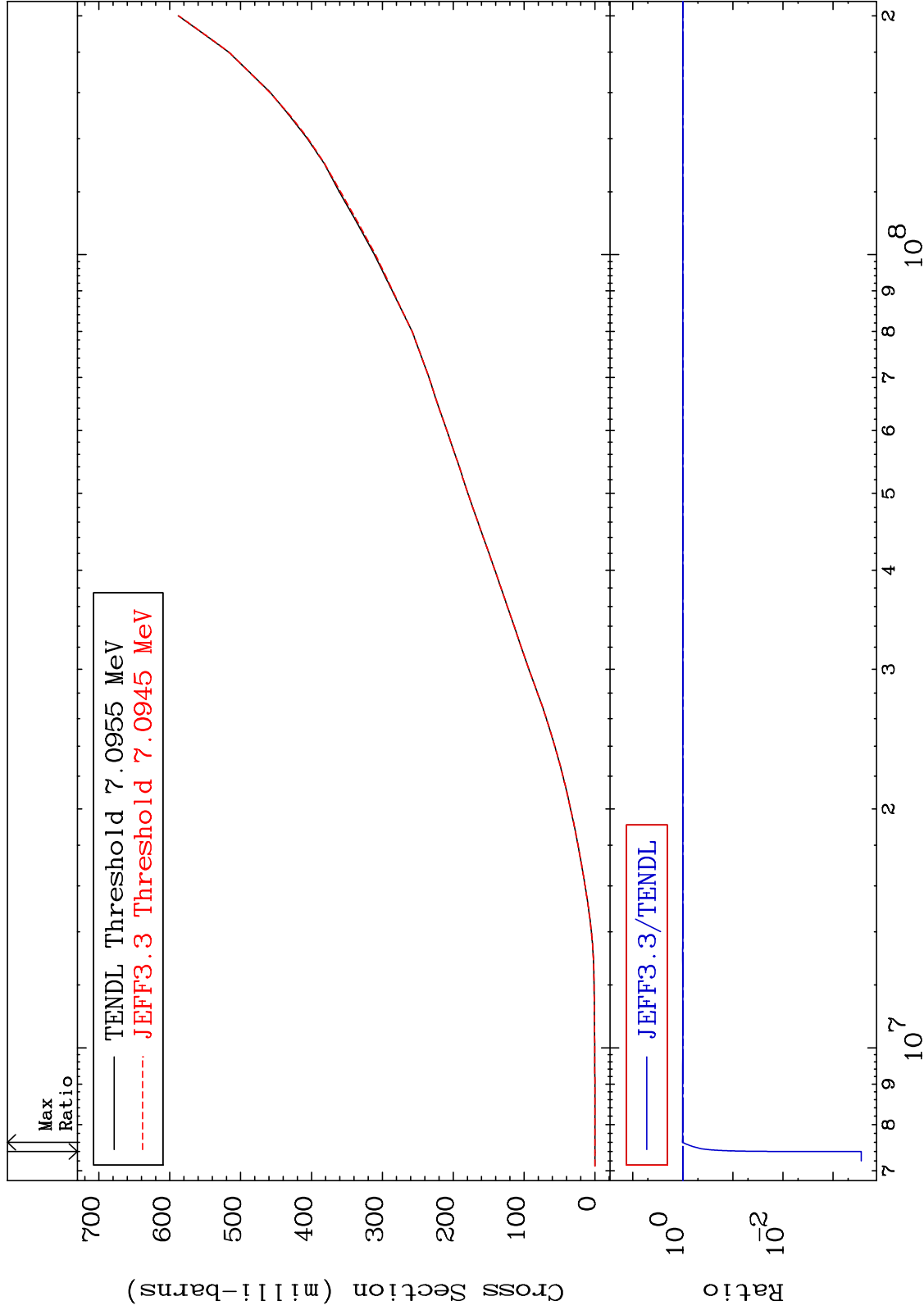
MAT 2043 (n,p) t 20-Ca-46
 Cross Section 0.000 To 1.649 %

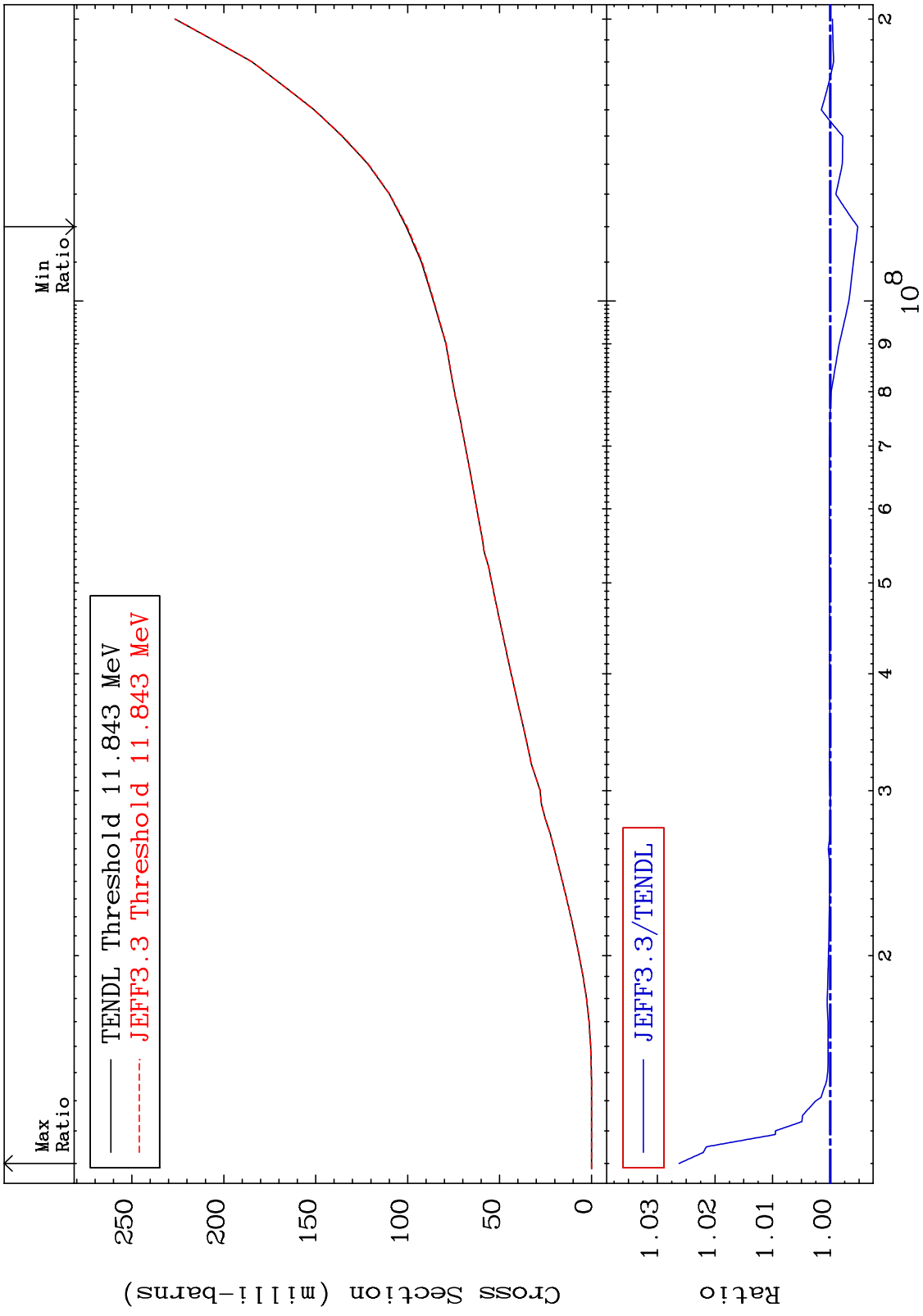


MAT 2043

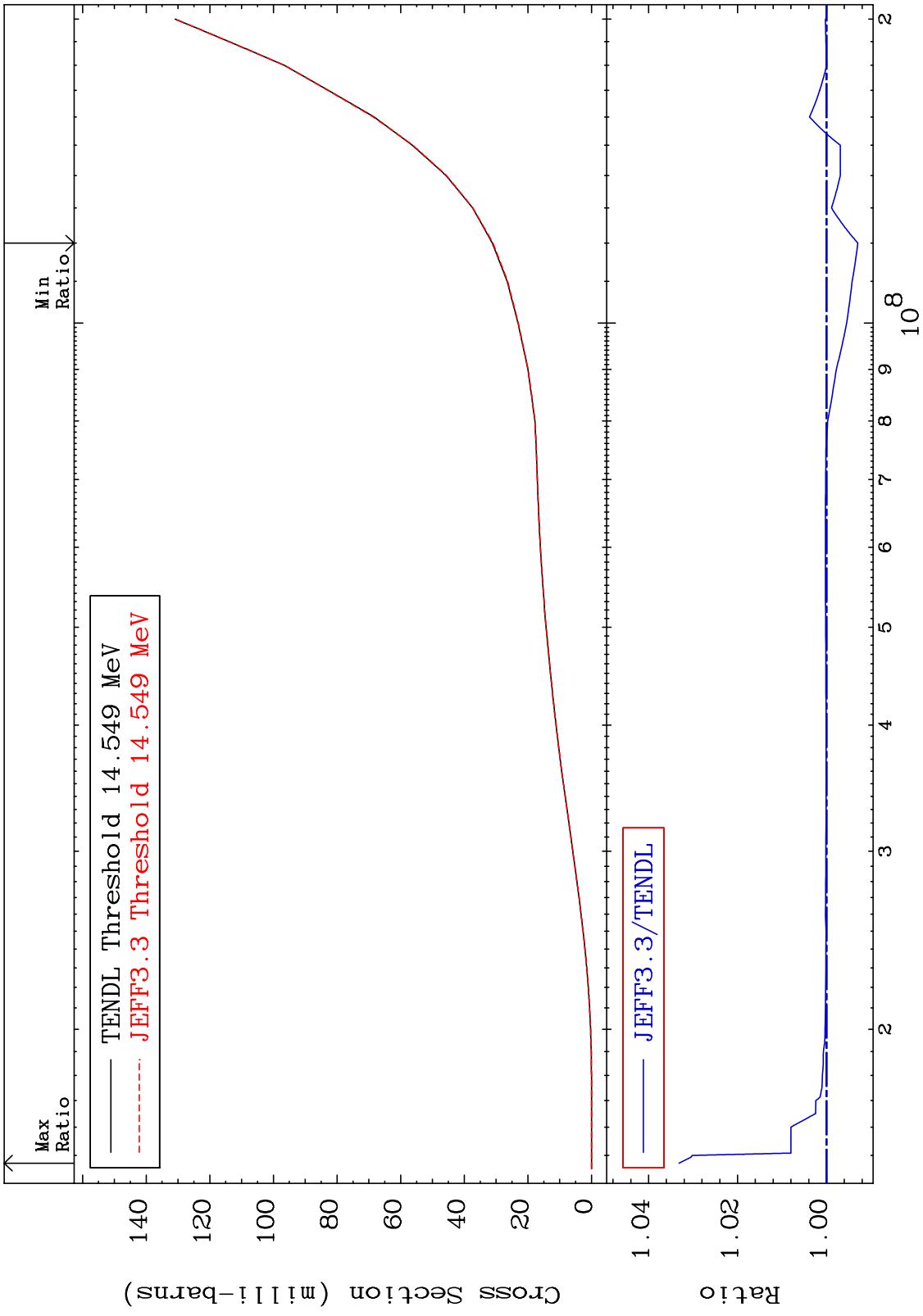
Hydrogen Production
Cross Section

20-Ca-46
-99.97 To 1.392 %





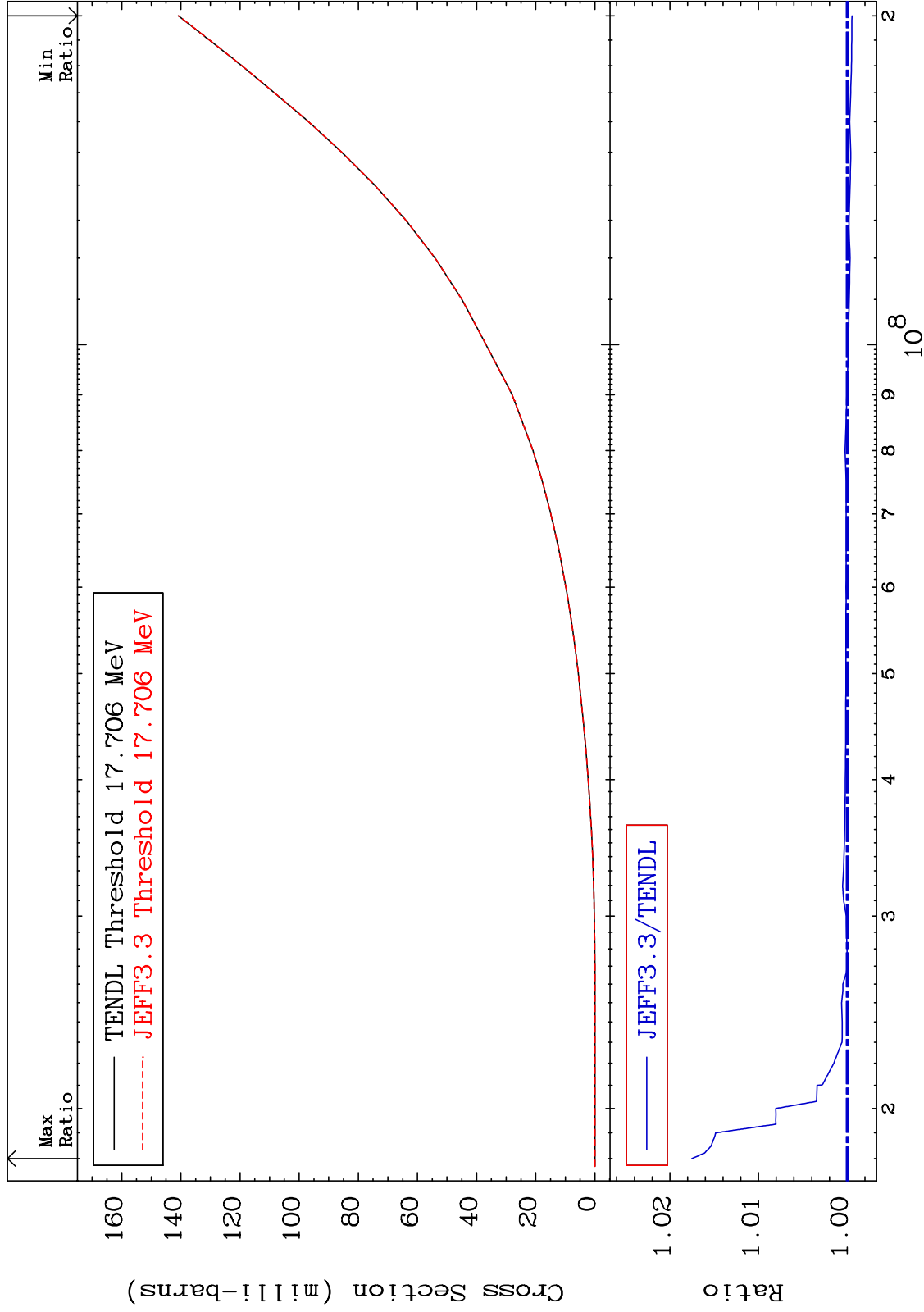
MAT 2043 Tritium Production Cross Section 20-Ca-46
-0.703 To 3.316 %



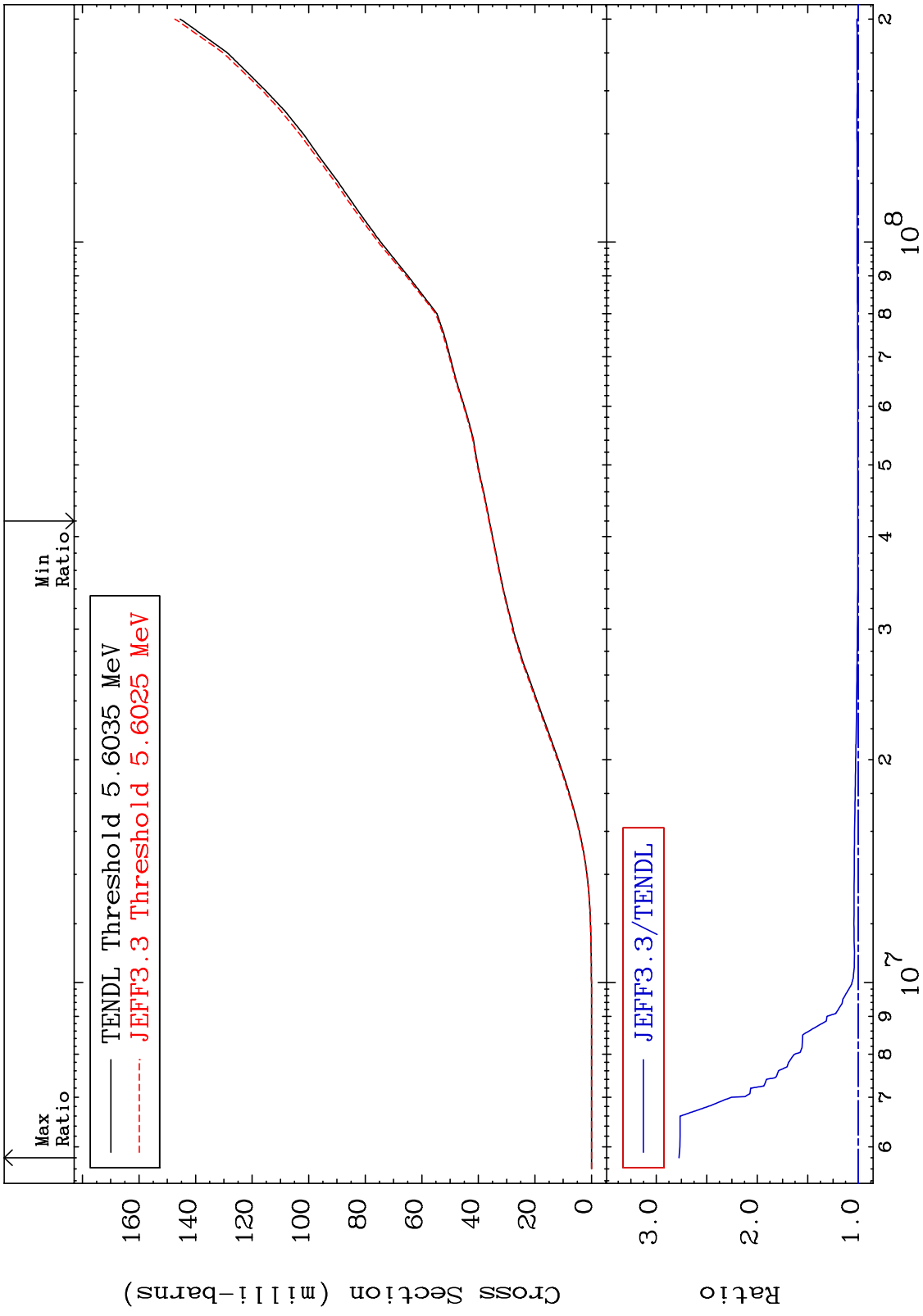
MAT 2043

He-3 Production
Cross Section

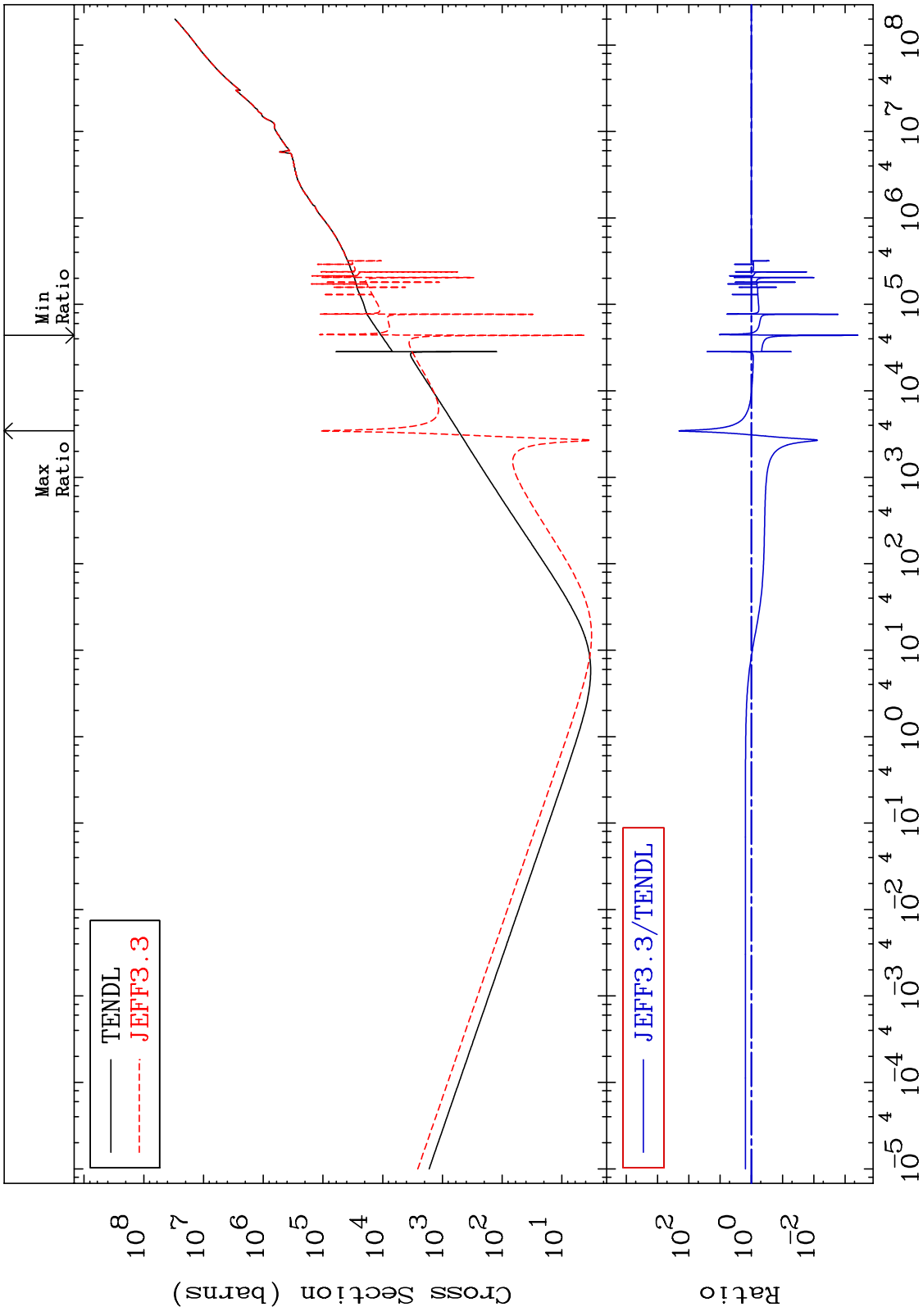
20-Ca-46
-0.054 To 1.753 %



MAT 2043 He-4 Production Cross Section 20-Ca-46 To 177.4 %



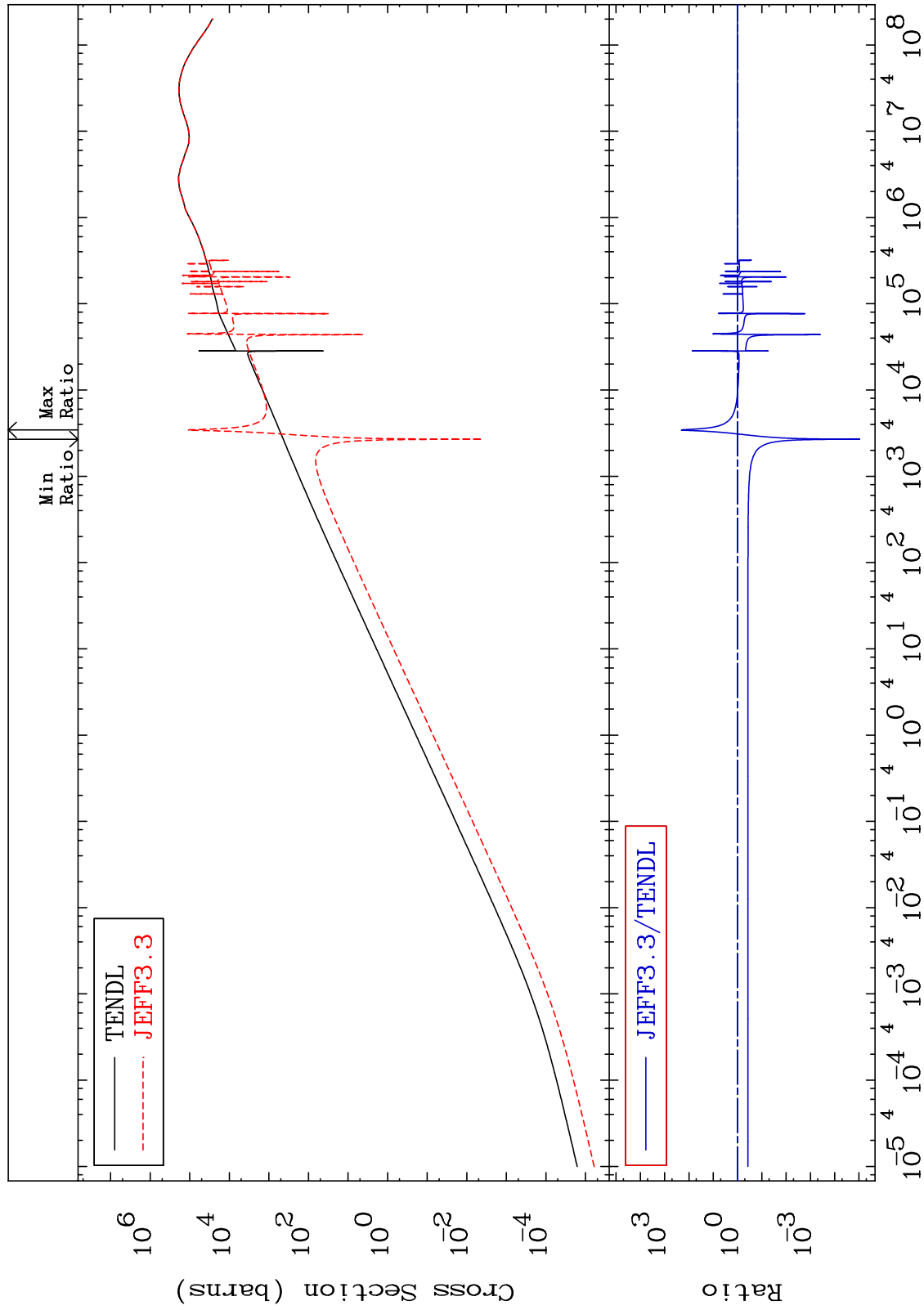
MAT 2043 Kerma total (eV-barns) Cross Section 20-Ca-46 -99.96 To 9999. %



MAT 2043

Kerma elastic
Cross Section

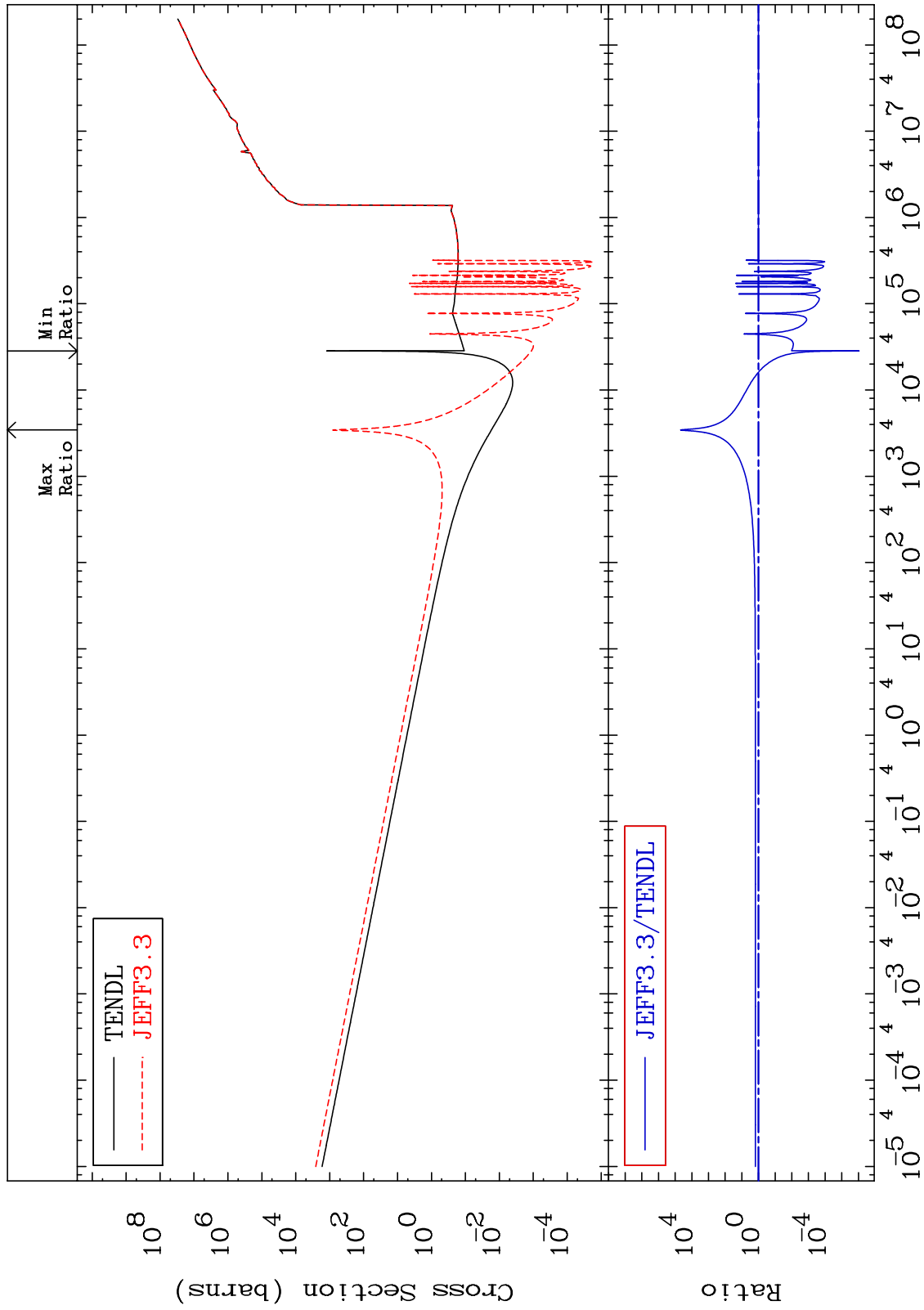
20-Ca-46
-100.0 To 9999. %



MAT 2043

Kerma non-elastic (all but mt2)
Cross Section

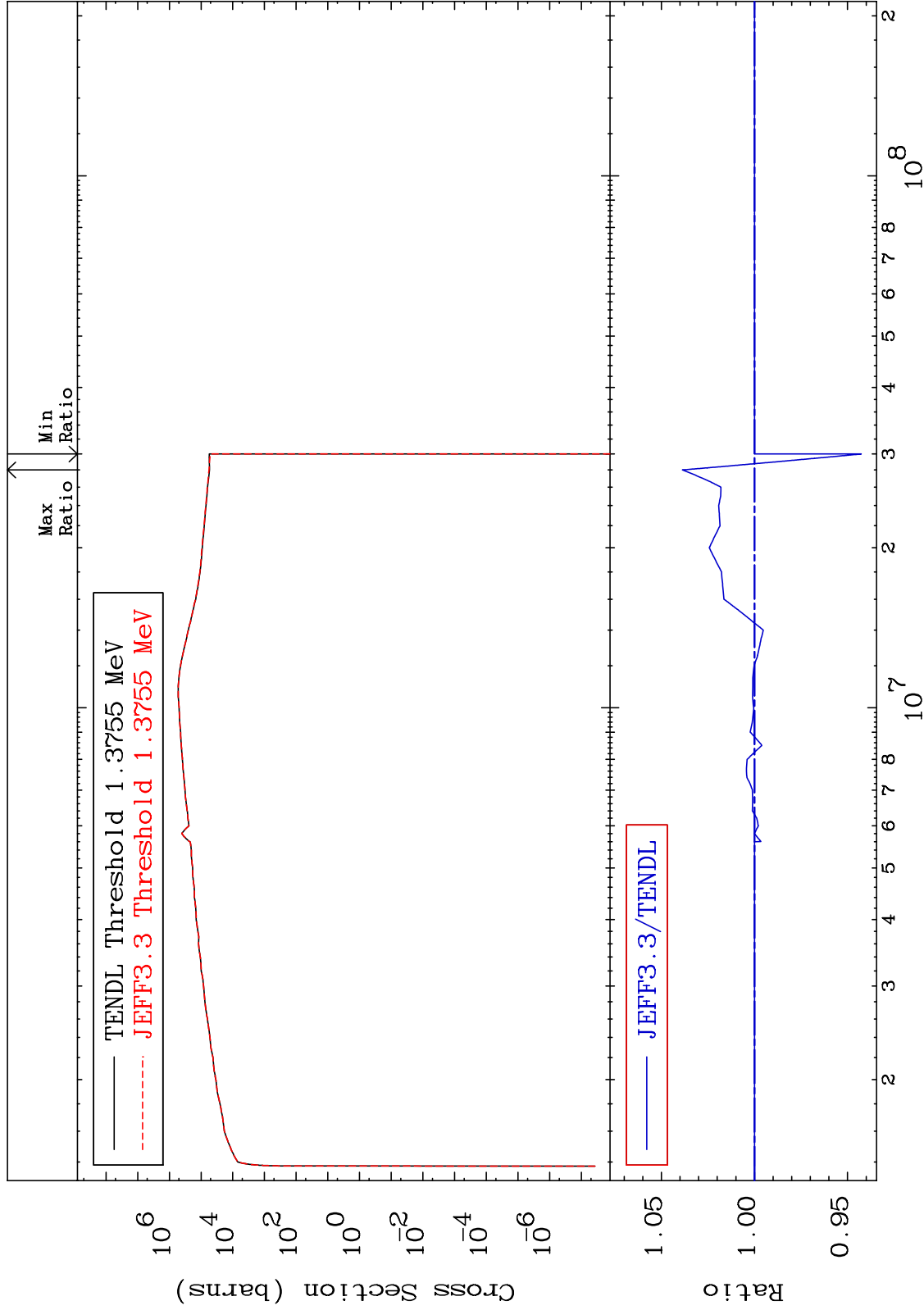
20-Ca-46
-100.0 To 9999. %



MAT 2043

Kerma inelastic (mt51-91)
Cross Section

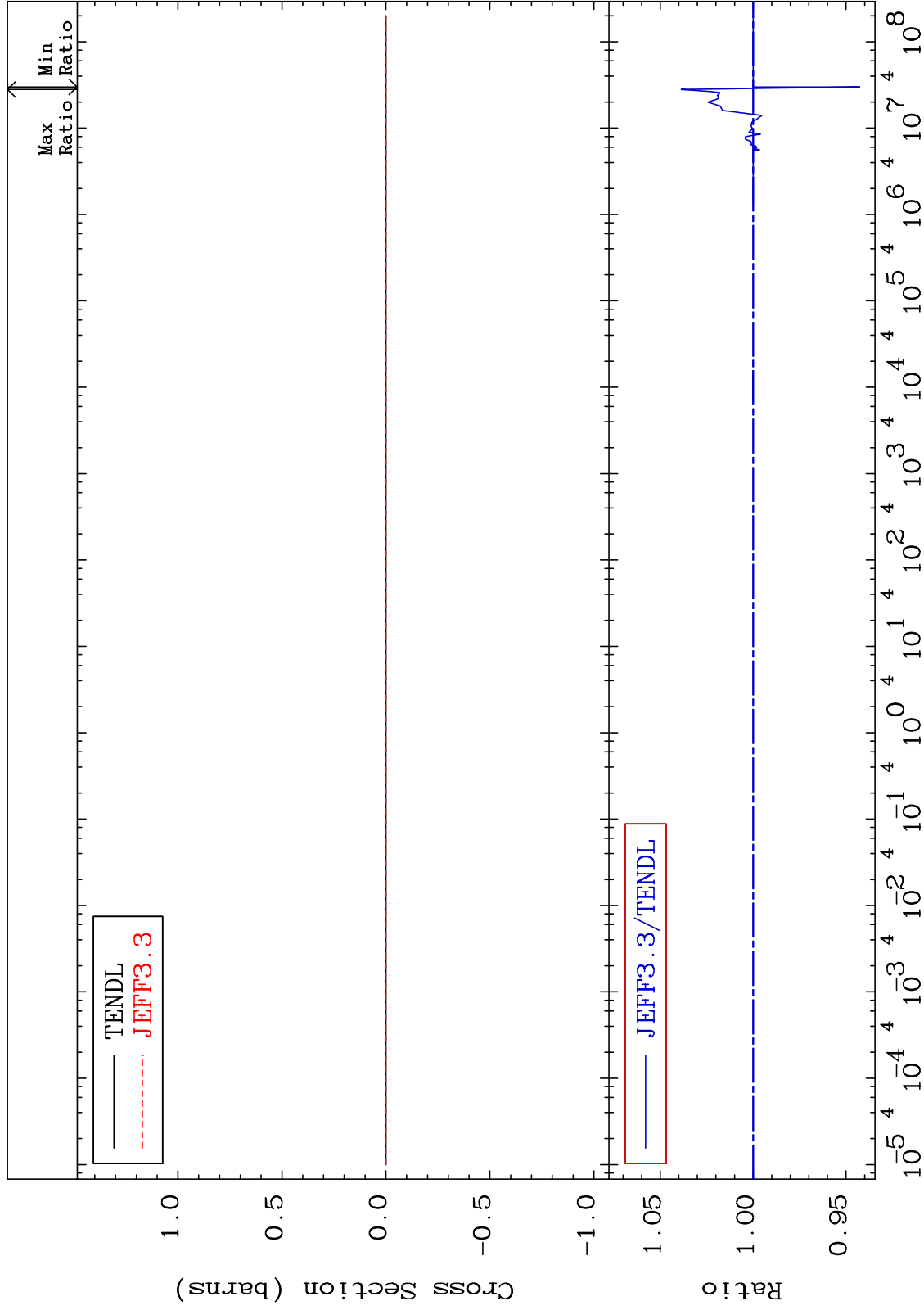
20-Ca-46
-5.737 To 3.868 %



MAT 2043

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

20-Ca-46
-5.737 To 3.868 %



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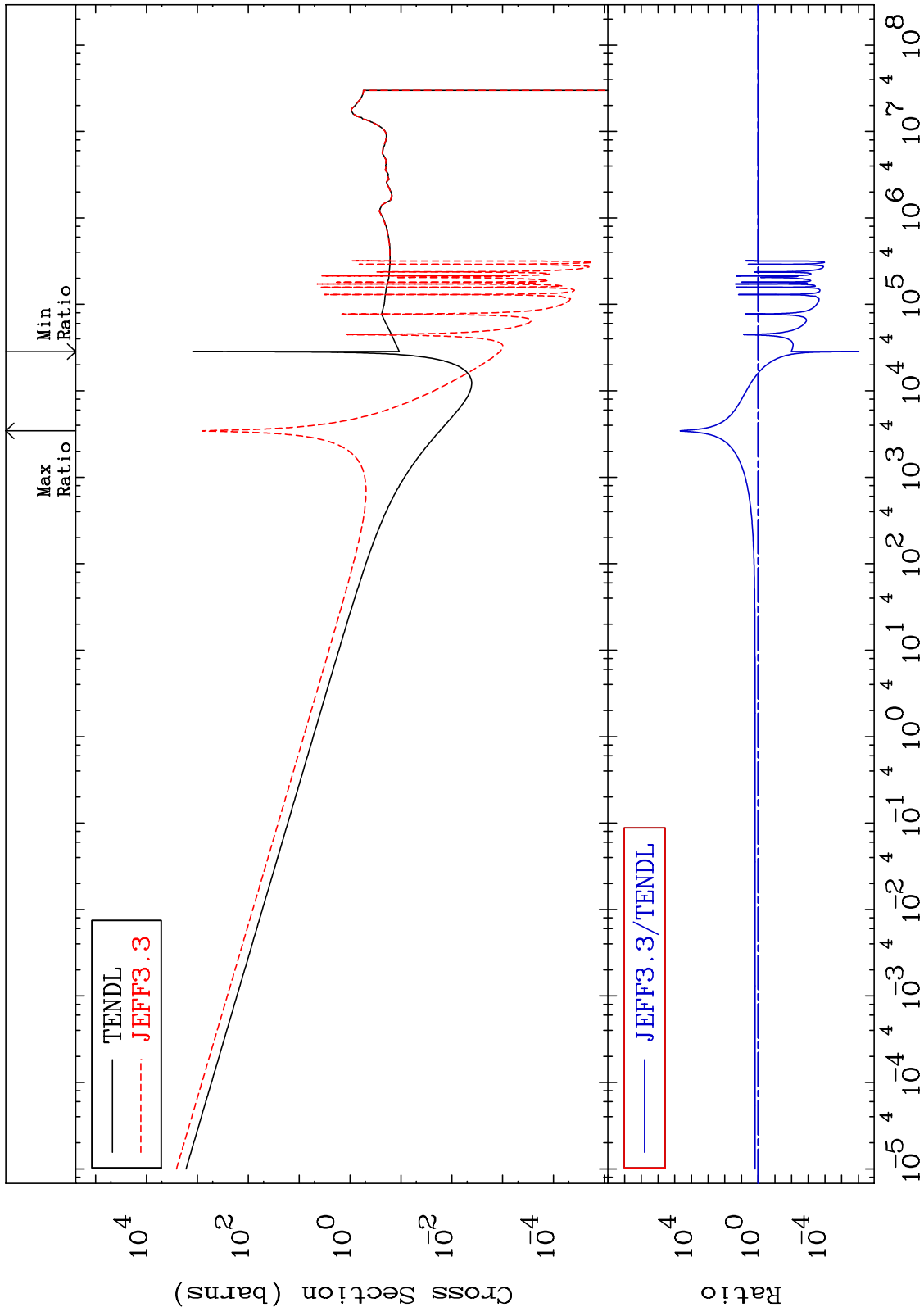
Incident Energy (eV)

20-Ca-46

MAT 2043

Kerma capture (mt102)
Cross Section

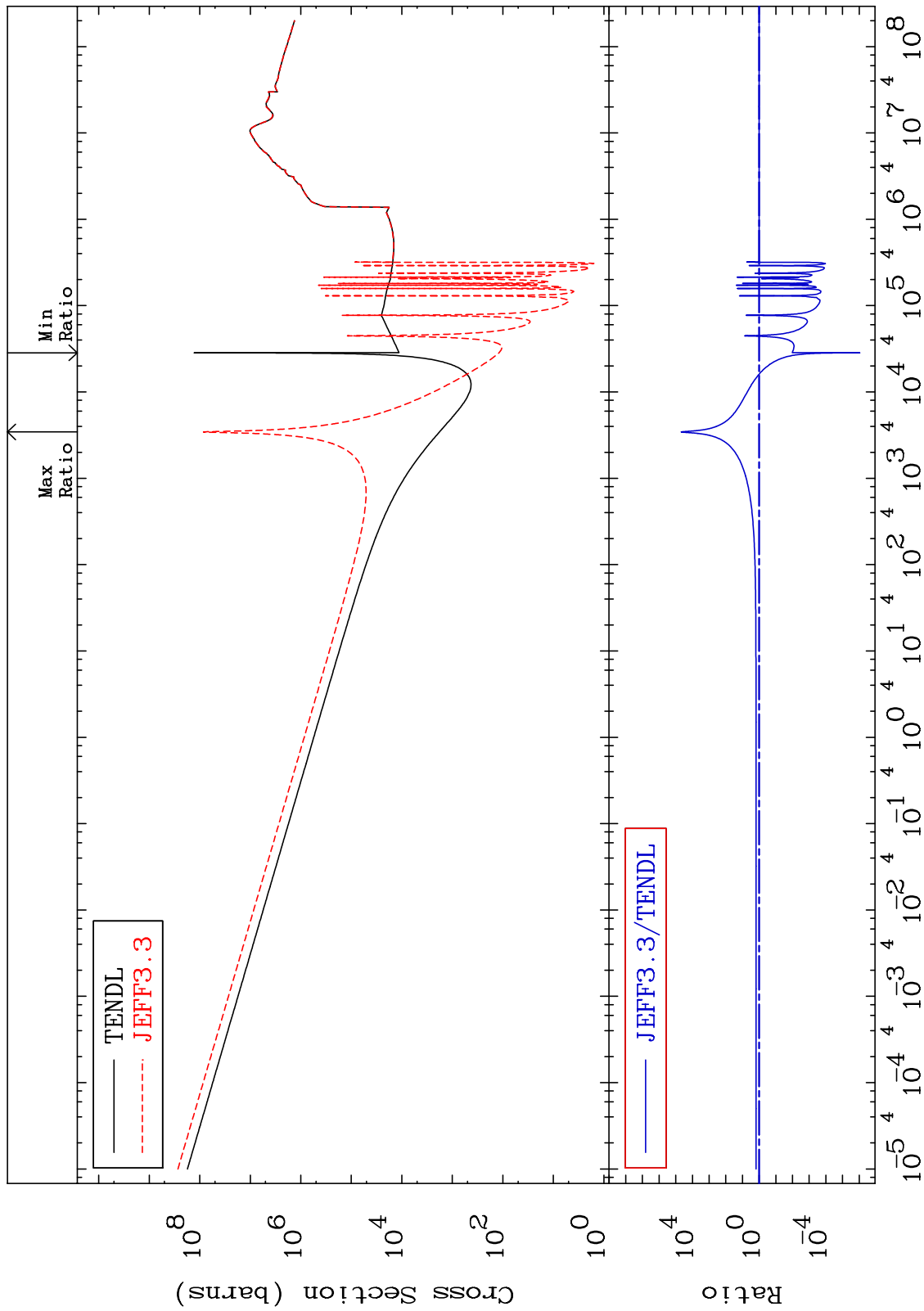
20-Ca-46
-100.0 To 9999. %



MAT 2043

Total photon (eV-barns)
Cross Section

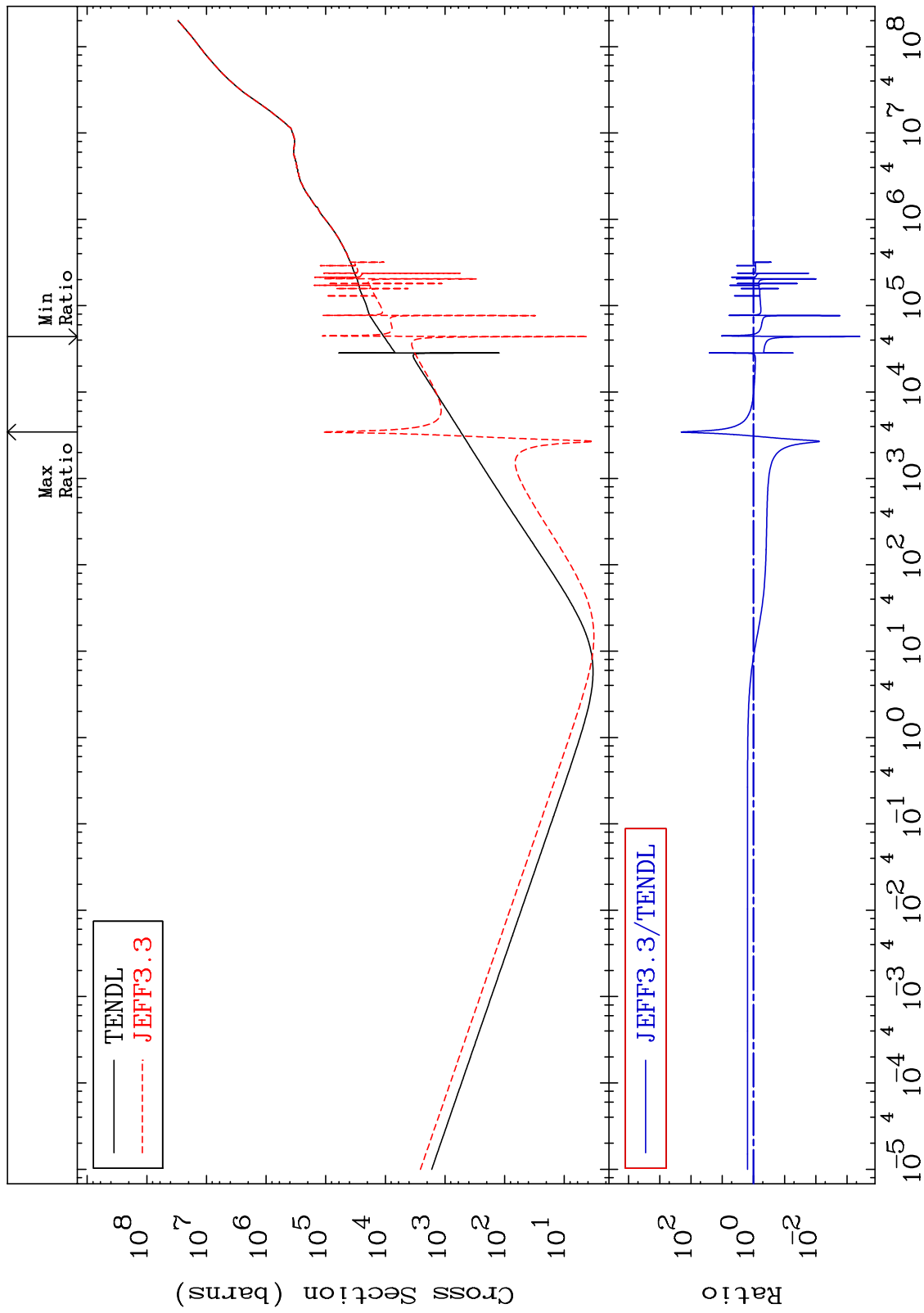
20-Ca-46
-100.0 To 9999. %



MAT 2043

Total kinematic kerma (high limit)
Cross Section

20-Ca-46
-99.96 To 9999. %



70

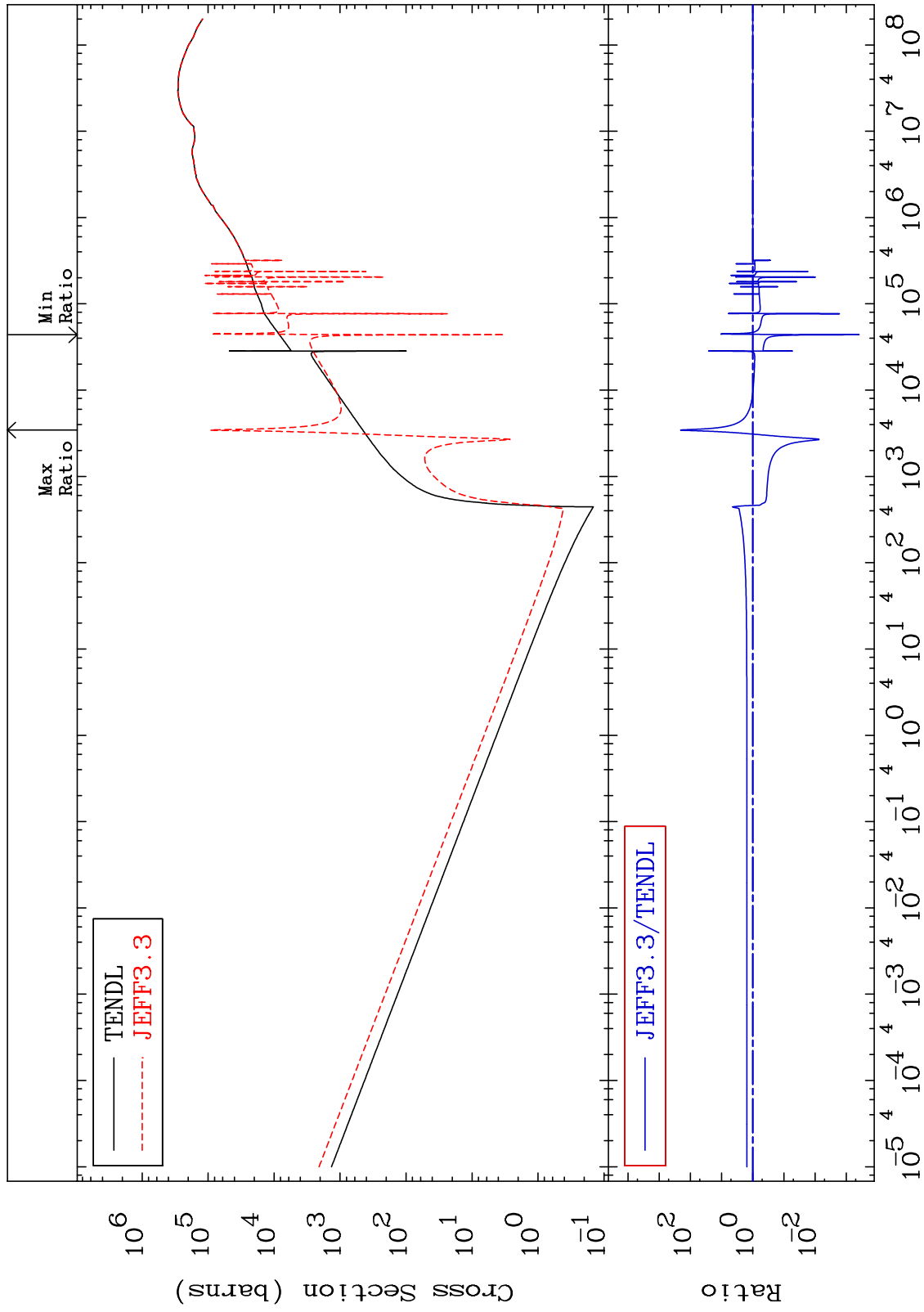
Incident Energy (eV)

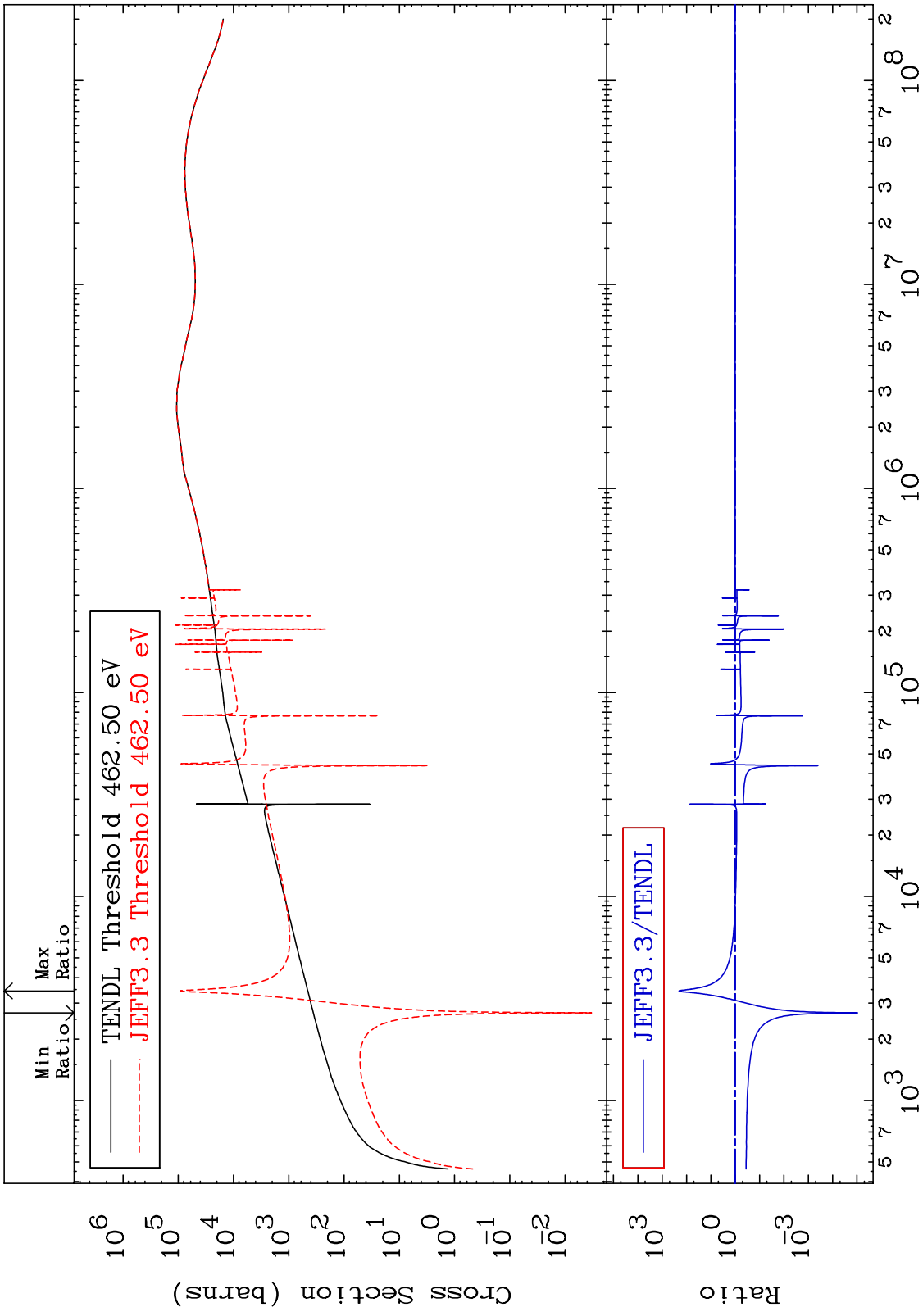
20-Ca-46

MAT 2043

Dpa total (eV-barns)
Cross Section

20-Ca-46
-99.96 To 9999. %

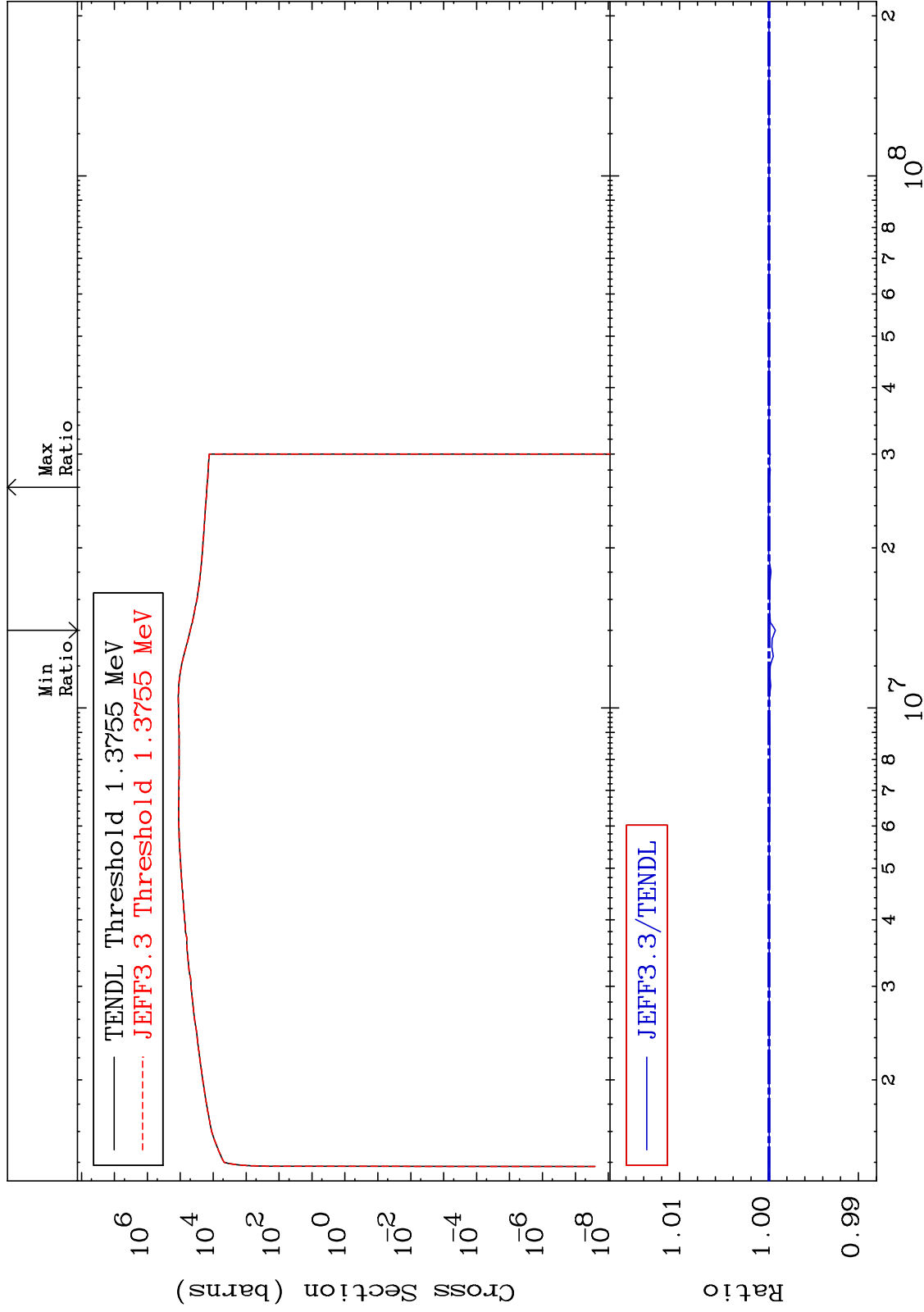




MAT 2043

Dpa inelastic (mt51-91)
Cross Section

20-Ca-46
-0.071 To 0.007 %



73

Incident Energy (eV)

20-Ca-46

MAT 2043

Dpa disappearance (mt102 -120)
Cross Section

20-Ca-46
-100.0 To 9999. %

