

Program Complot
(Version 2018-1)

by

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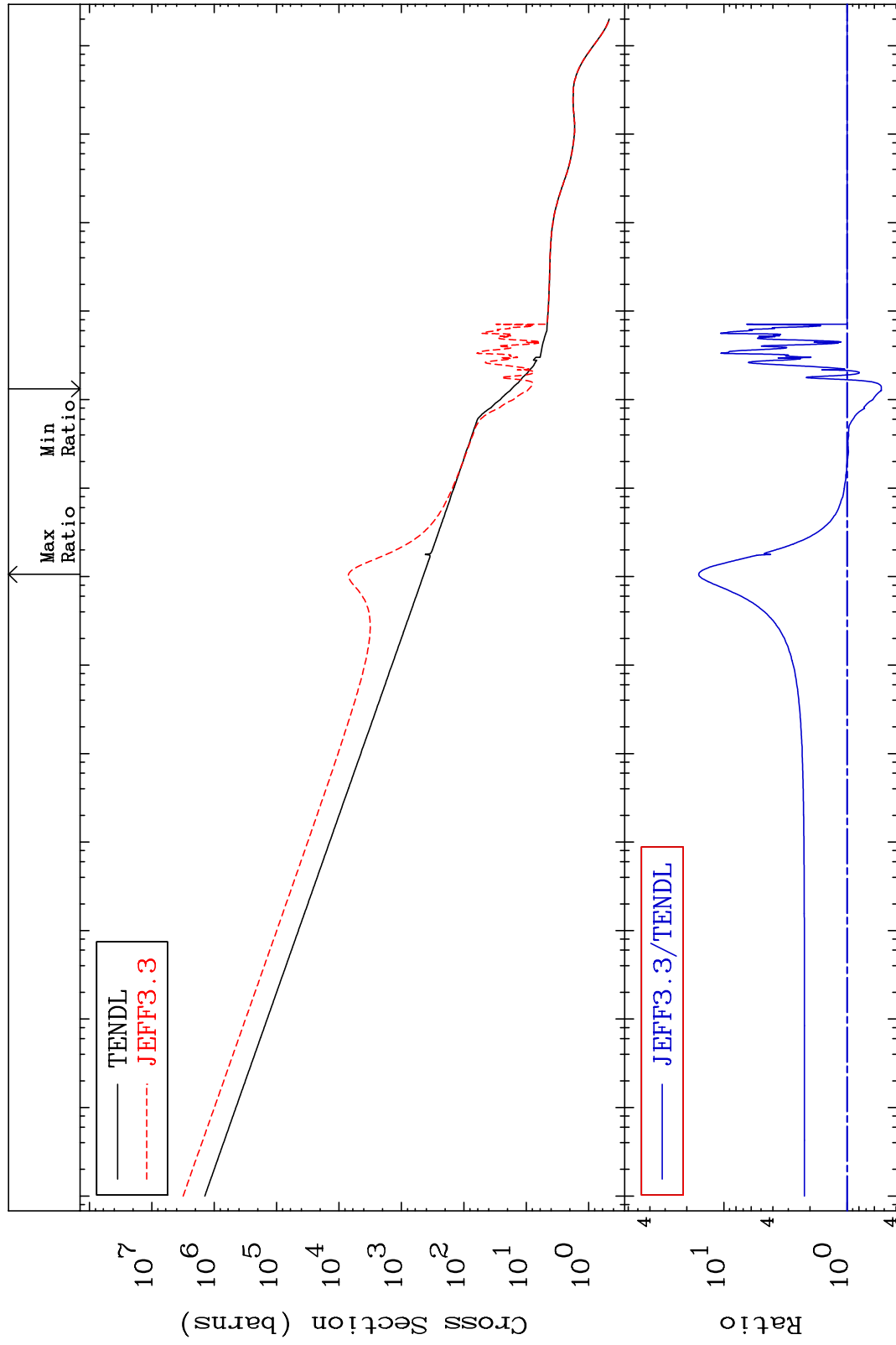
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1122

Total
Cross Section

11-Na-22
-47.51 To 1503. %



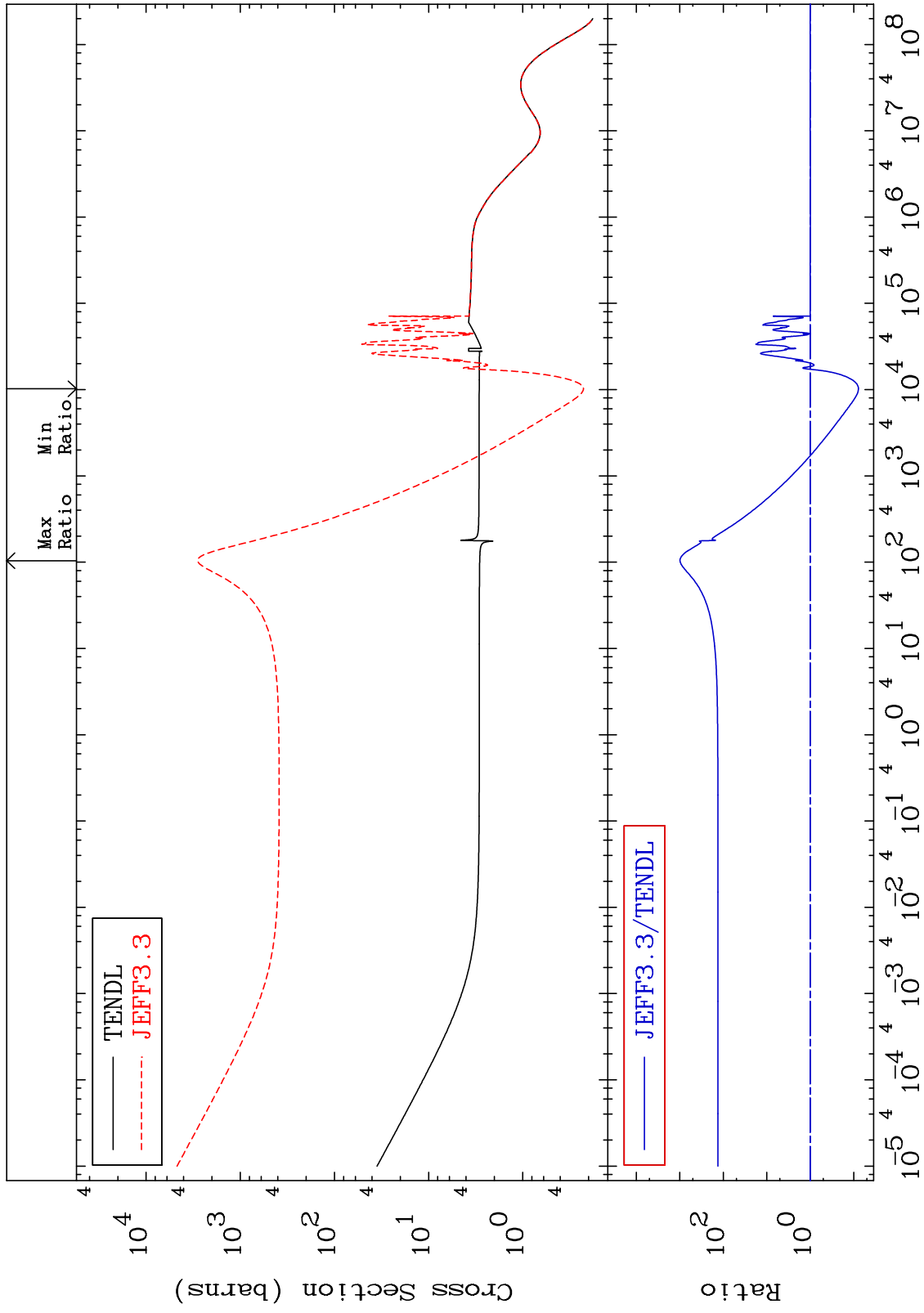
Incident Energy (eV)

11-Na-22

MAT 1122

Elastic Cross Section

11-Na-22
-92.19 To 9999. %



Incident Energy (eV)

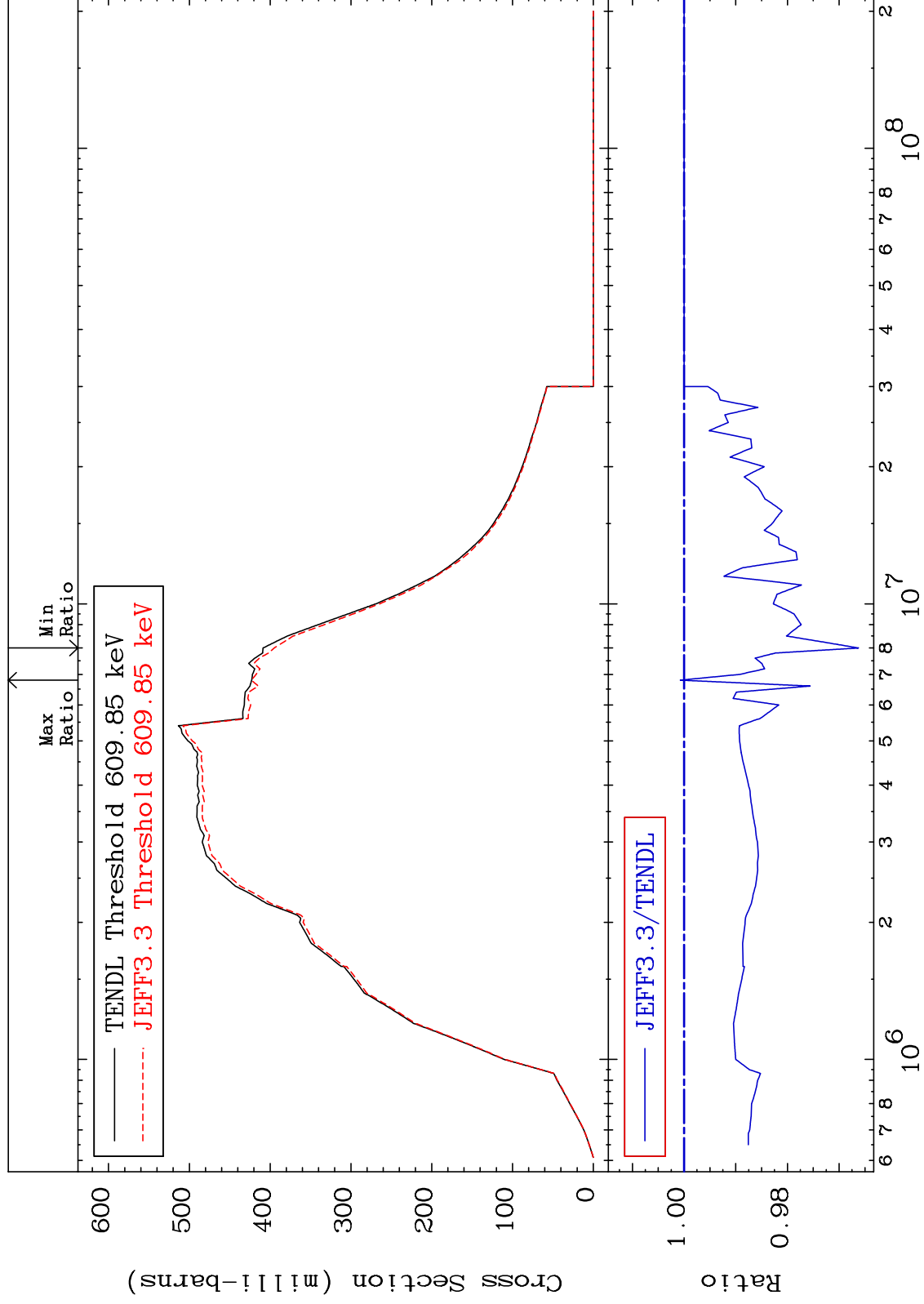
11-Na-22

2

MAT 1122

Inelastic
Cross Section

11-Na-22
-3.376 To 0.071 %



3

Incident Energy (eV)

11-Na-22

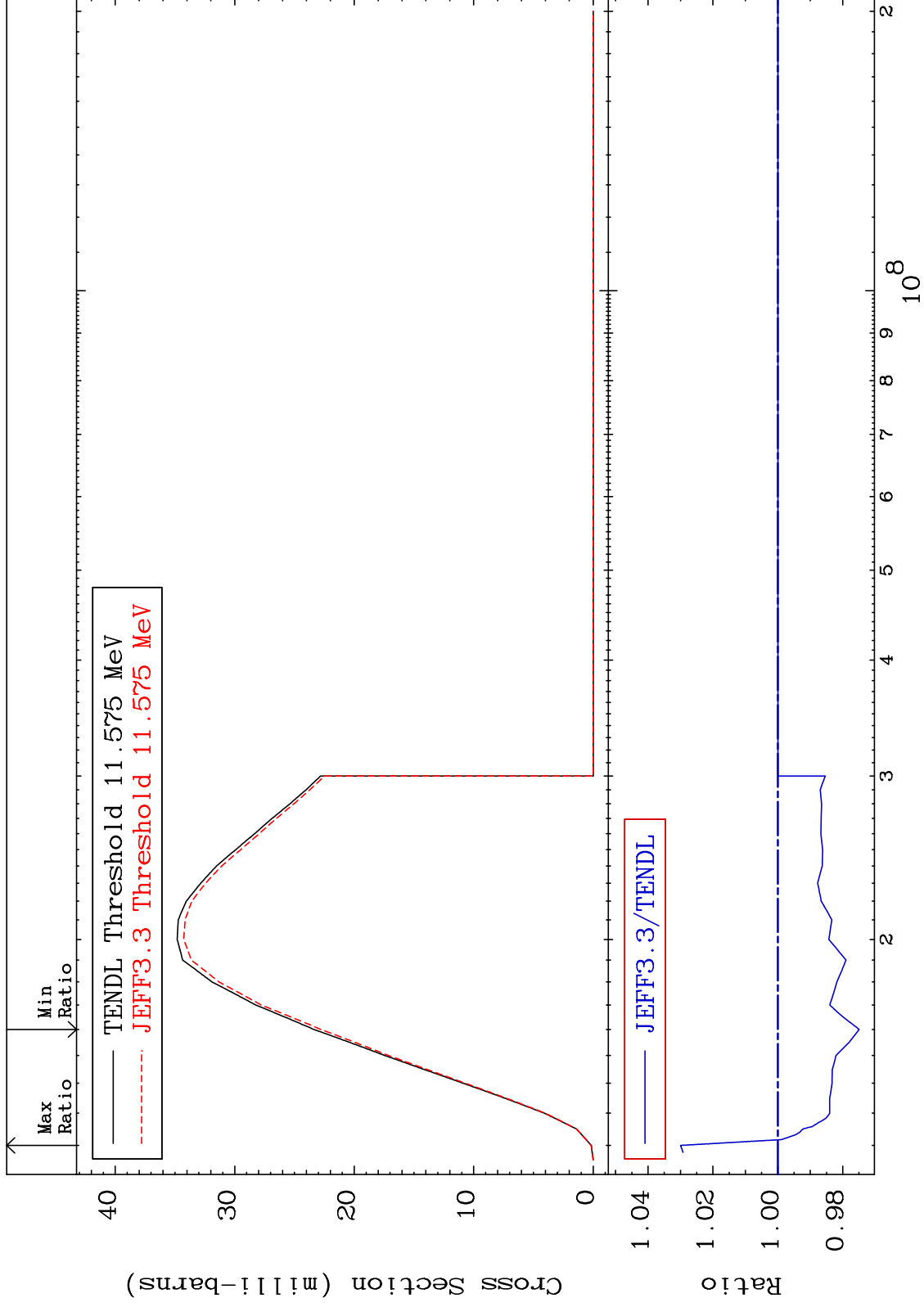
MAT 1122

(n,2n)

11-Na-22

Cross Section

-2.506 To 2.996 %



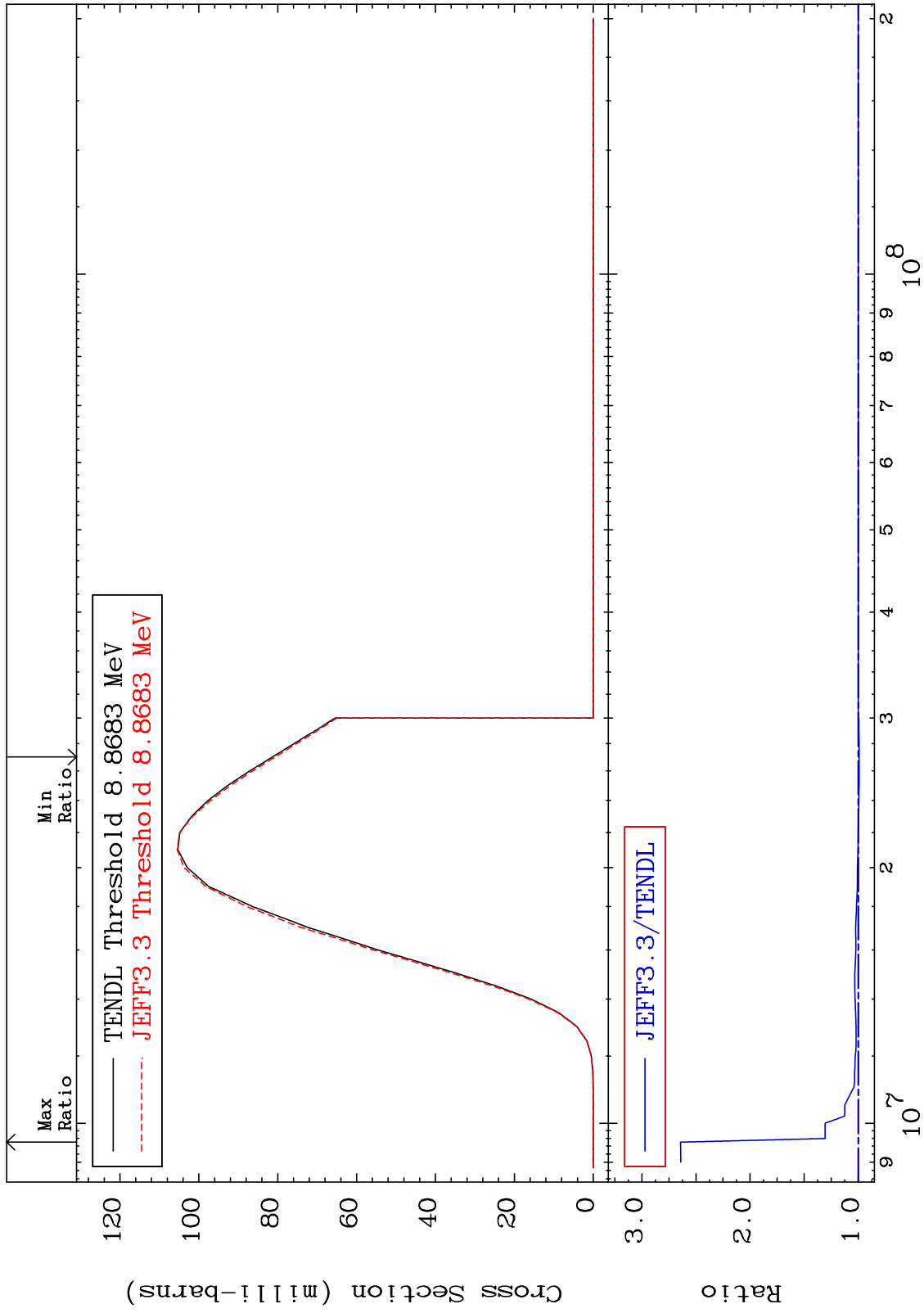
MAT 1122

(n, n') α

11-Na-22

Cross Section

-0.875 To 164.2 %



Incident Energy (eV)

11-Na-22

5

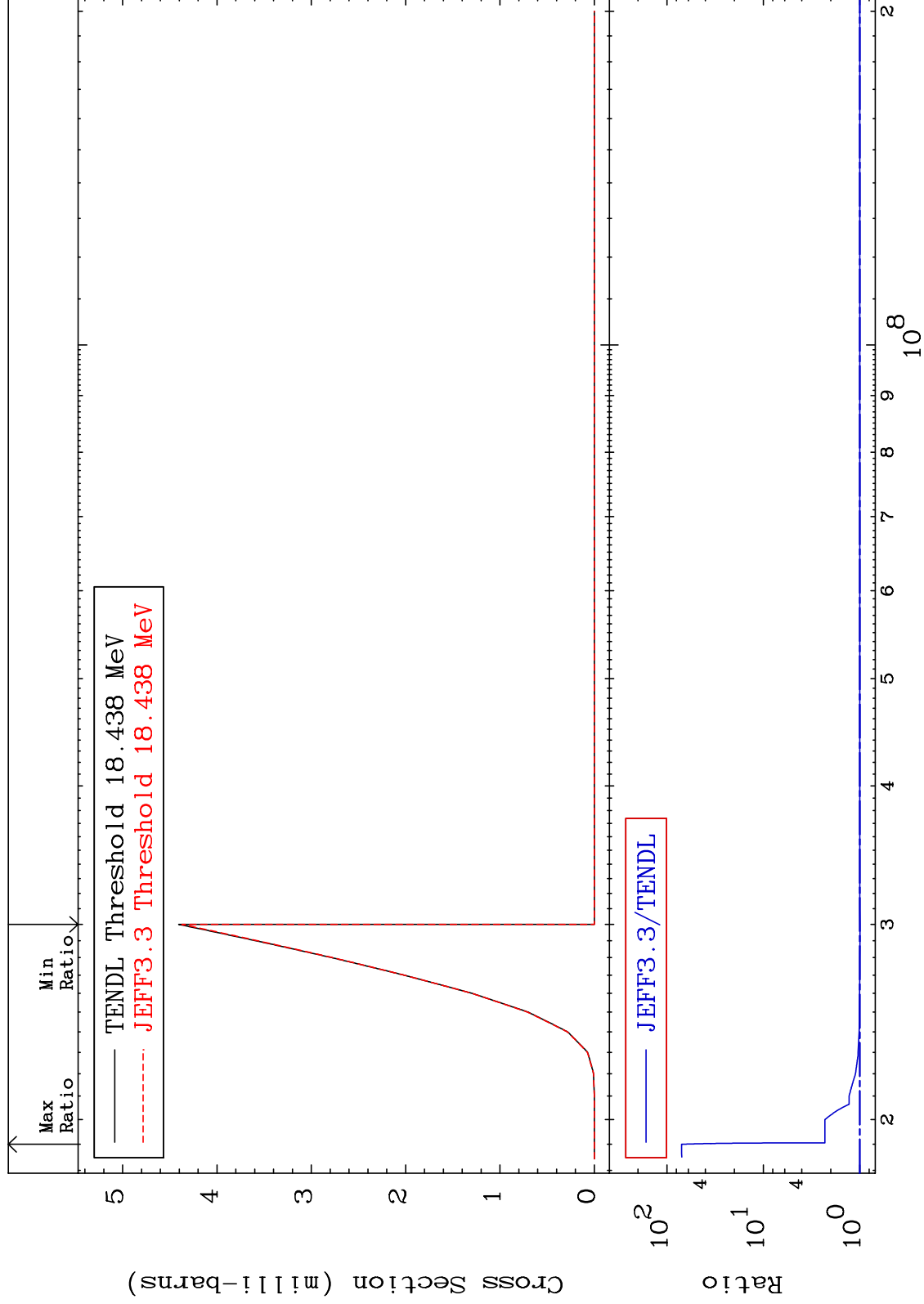
MAT 1122

(n,2n) α

11-Na-22

Cross Section

-0.771 To 6948. %



6

Incident Energy (eV)

11-Na-22

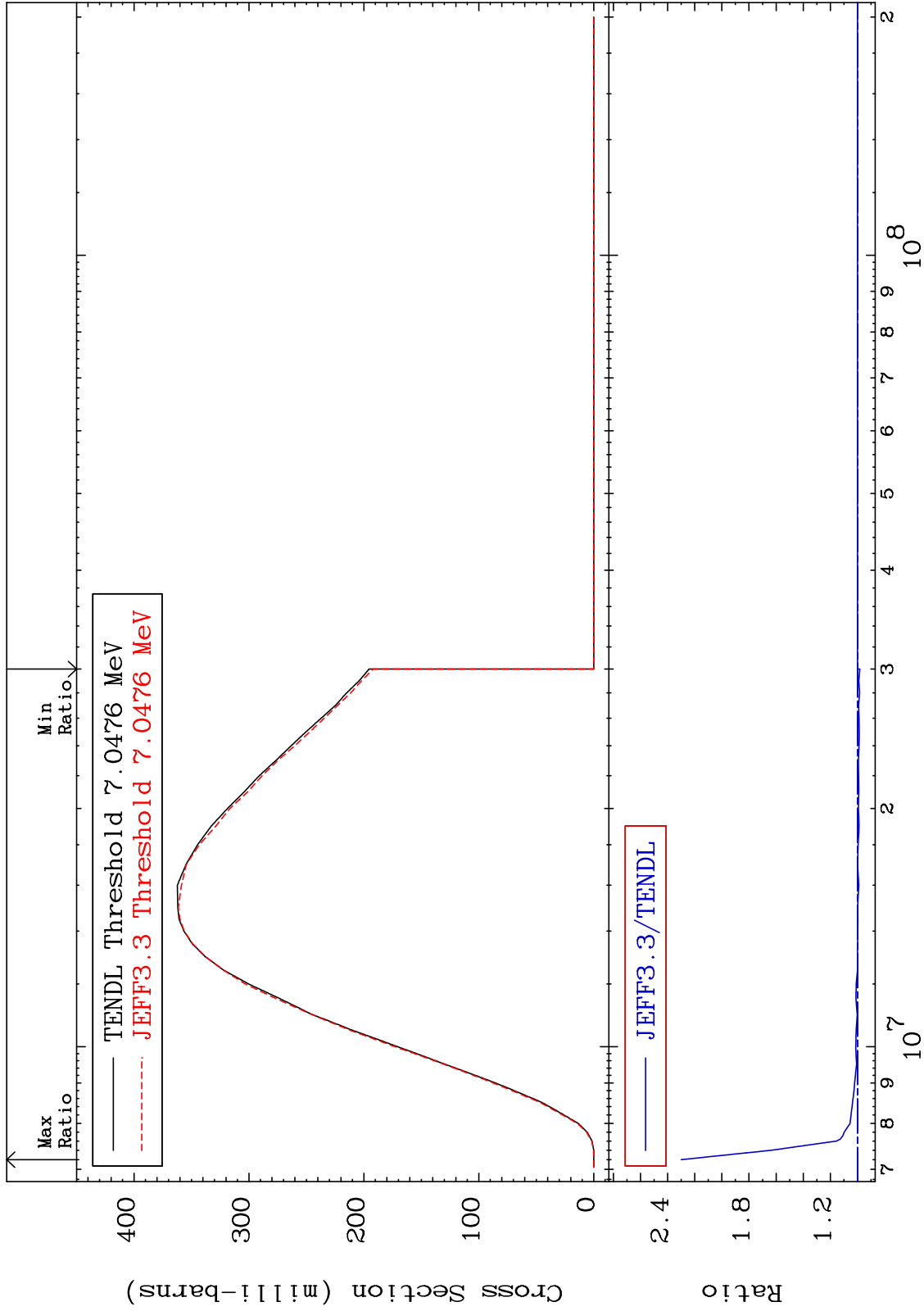
MAT 1122

(n,n') p

11-Na-22

Cross Section

-1.808 To 130.0 %



Incident Energy (eV)

11-Na-22

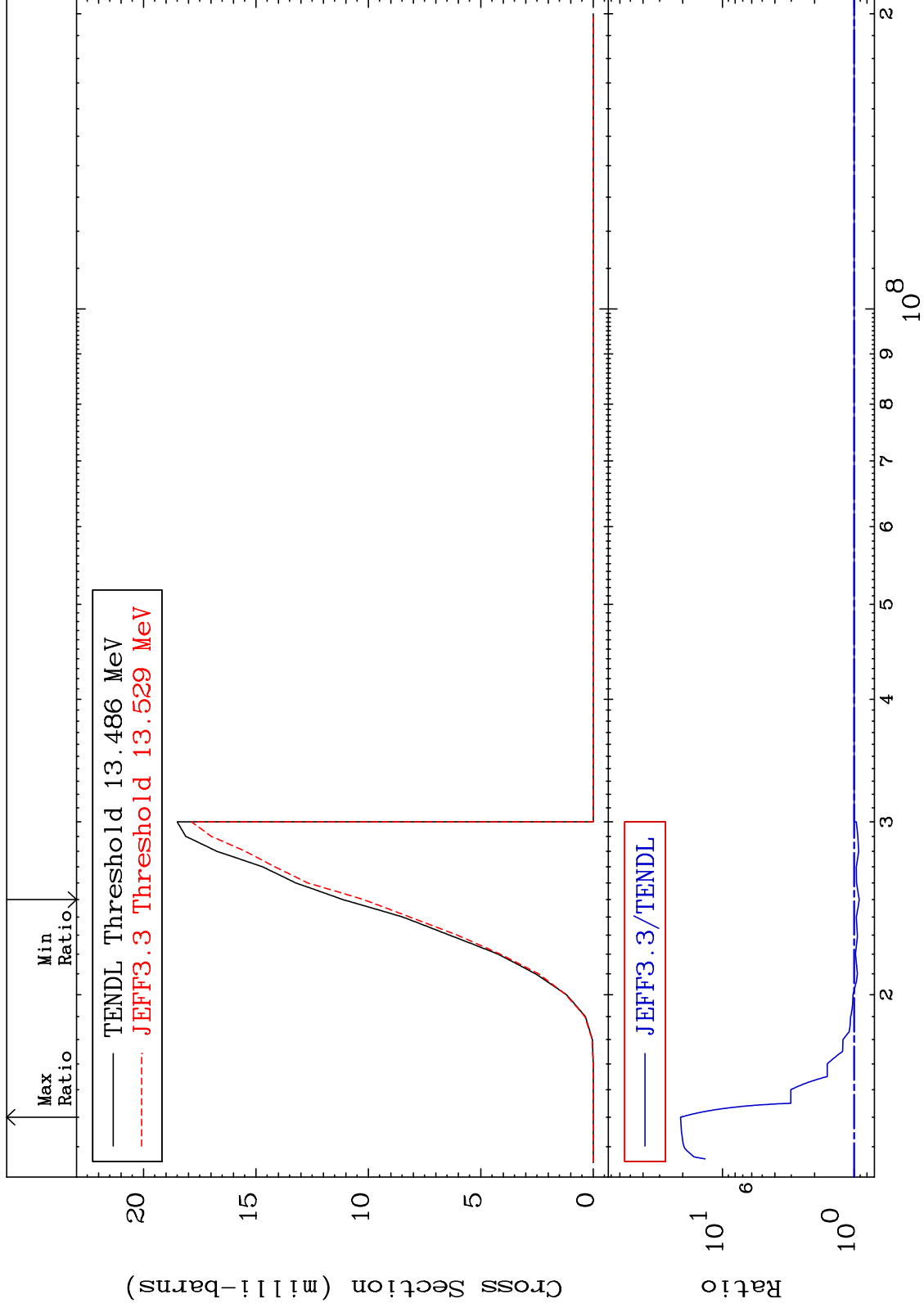
MAT 1122

(n,n') 2α

11-Na-22

Cross Section

-8.315 To 1977. %



8

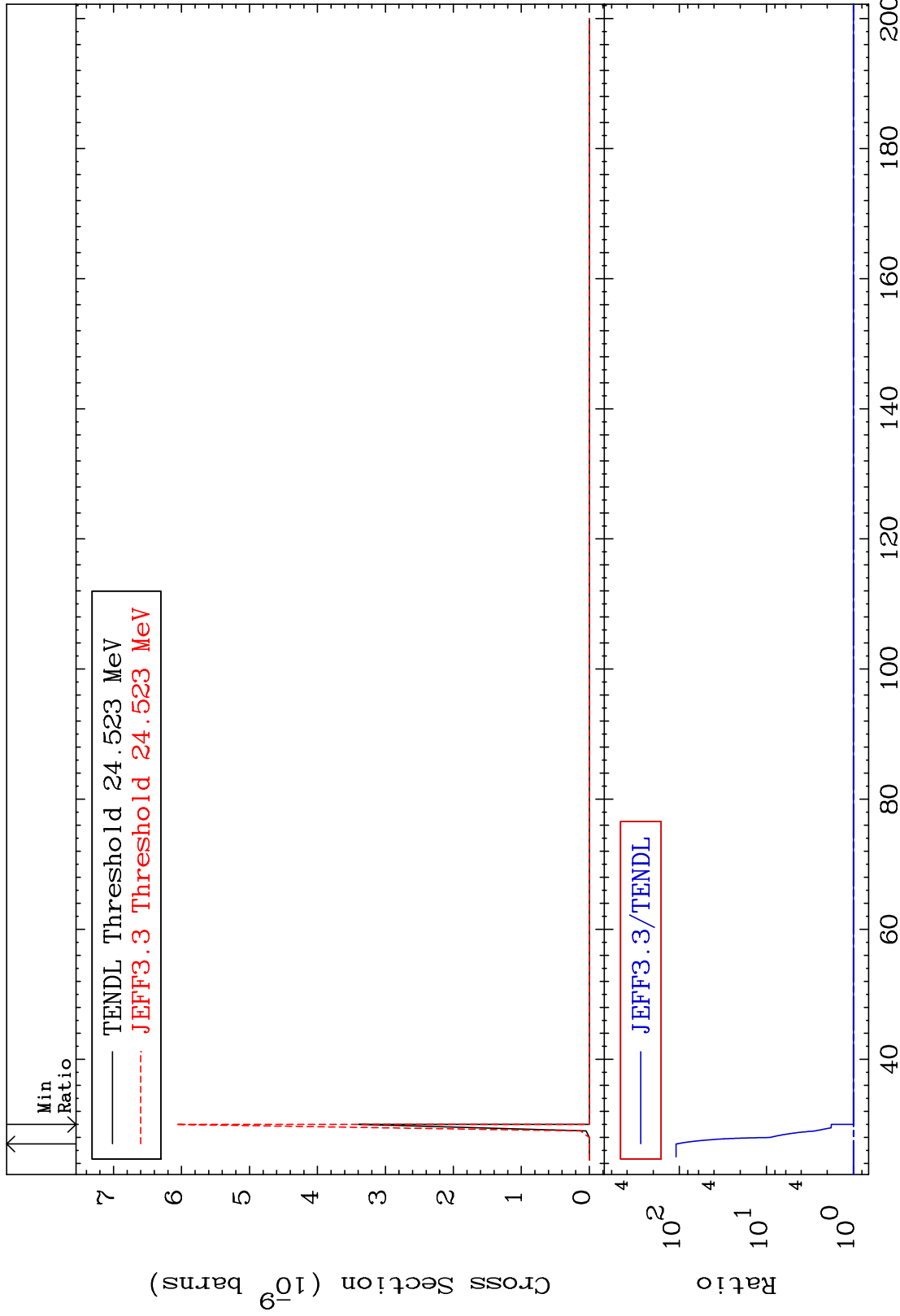
Incident Energy (eV)

11-Na-22

MAT 1122

(n,2n) 2α
Cross Section

11-Na-22
0.000 To 9999. %



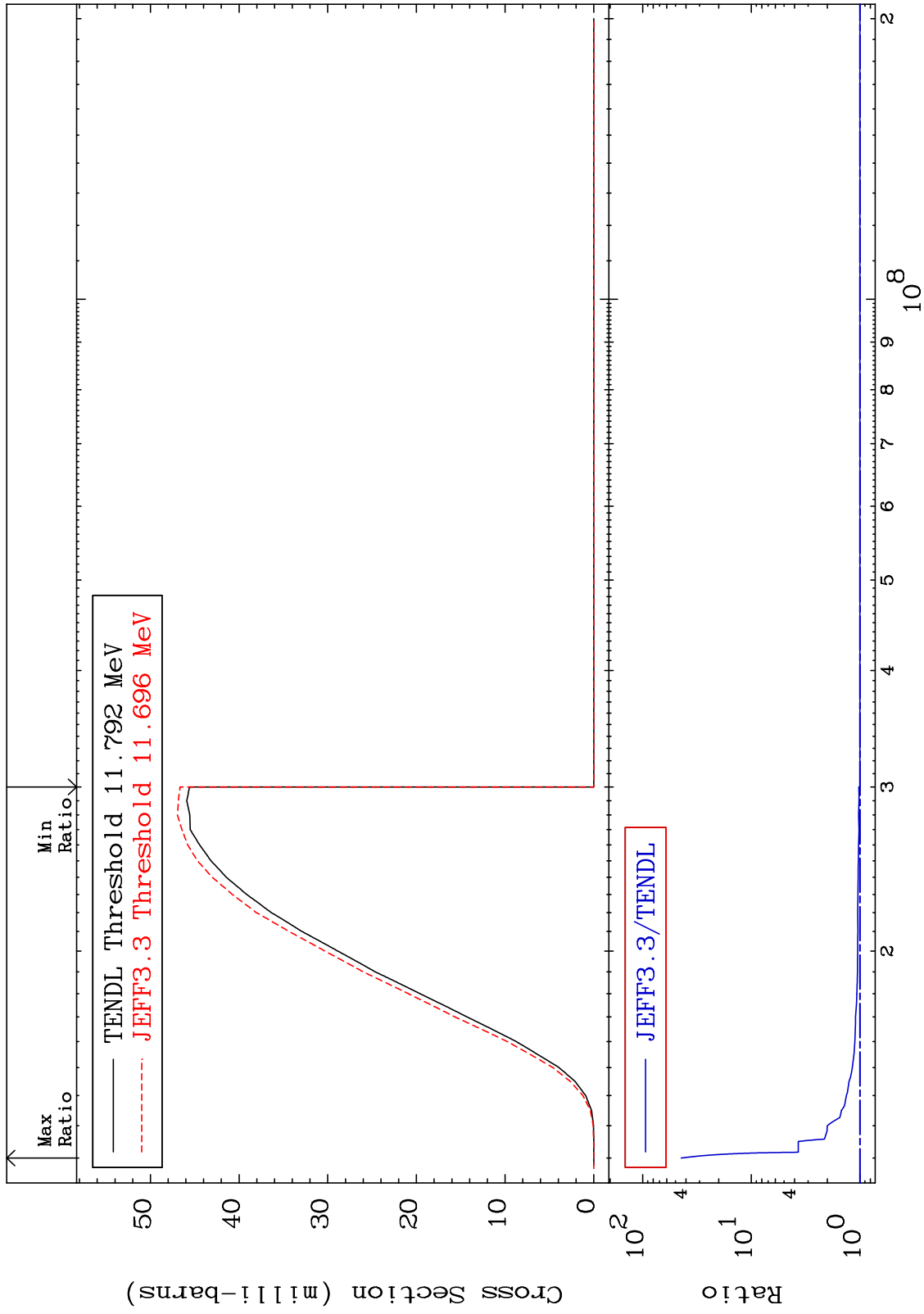
MAT 1122

(n,n') d

11-Na-22

Cross Section

0.000 To 4323. %



10

Incident Energy (eV)

11-Na-22

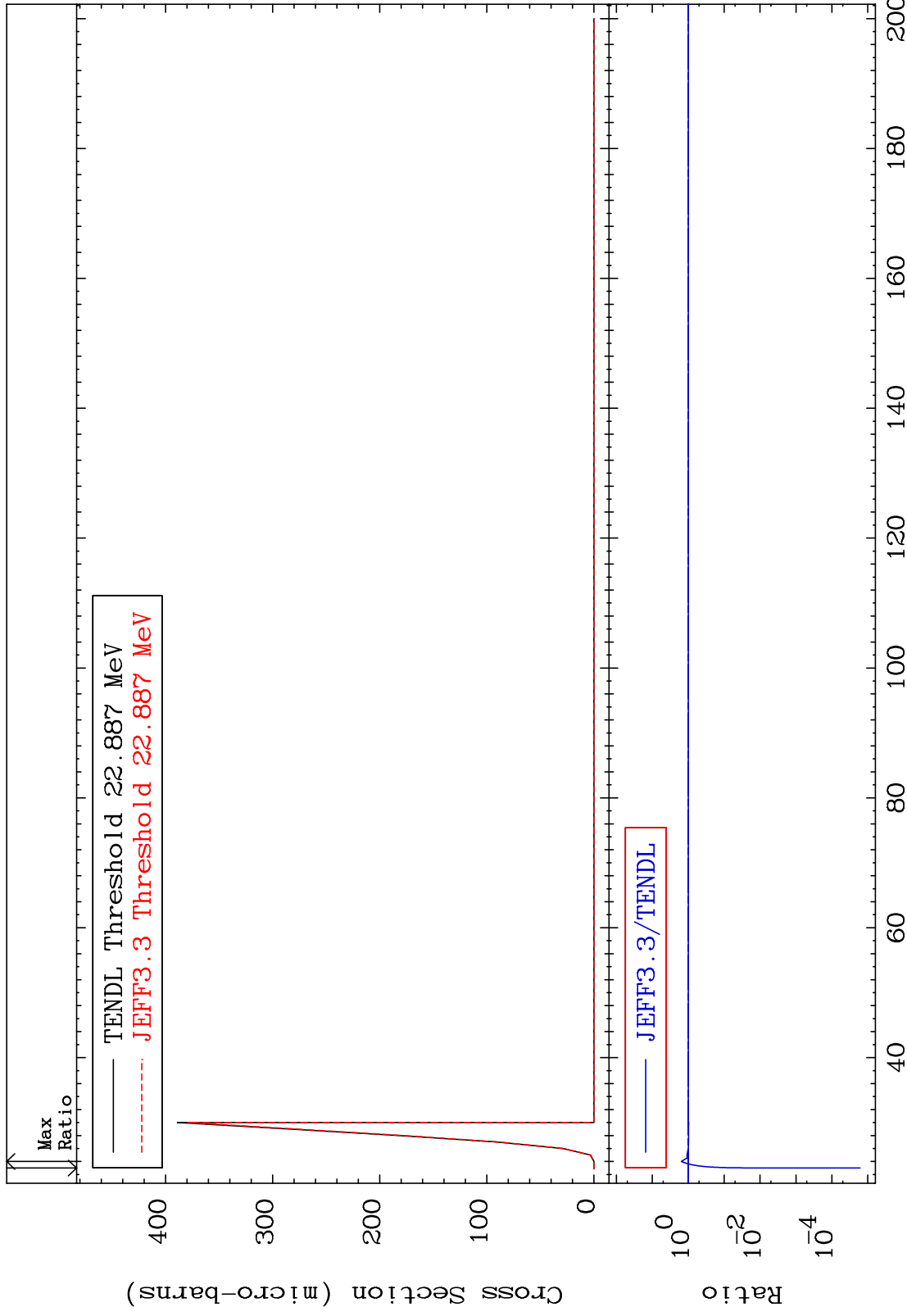
MAT 1122

(n,n') t

11-Na-22

Cross Section

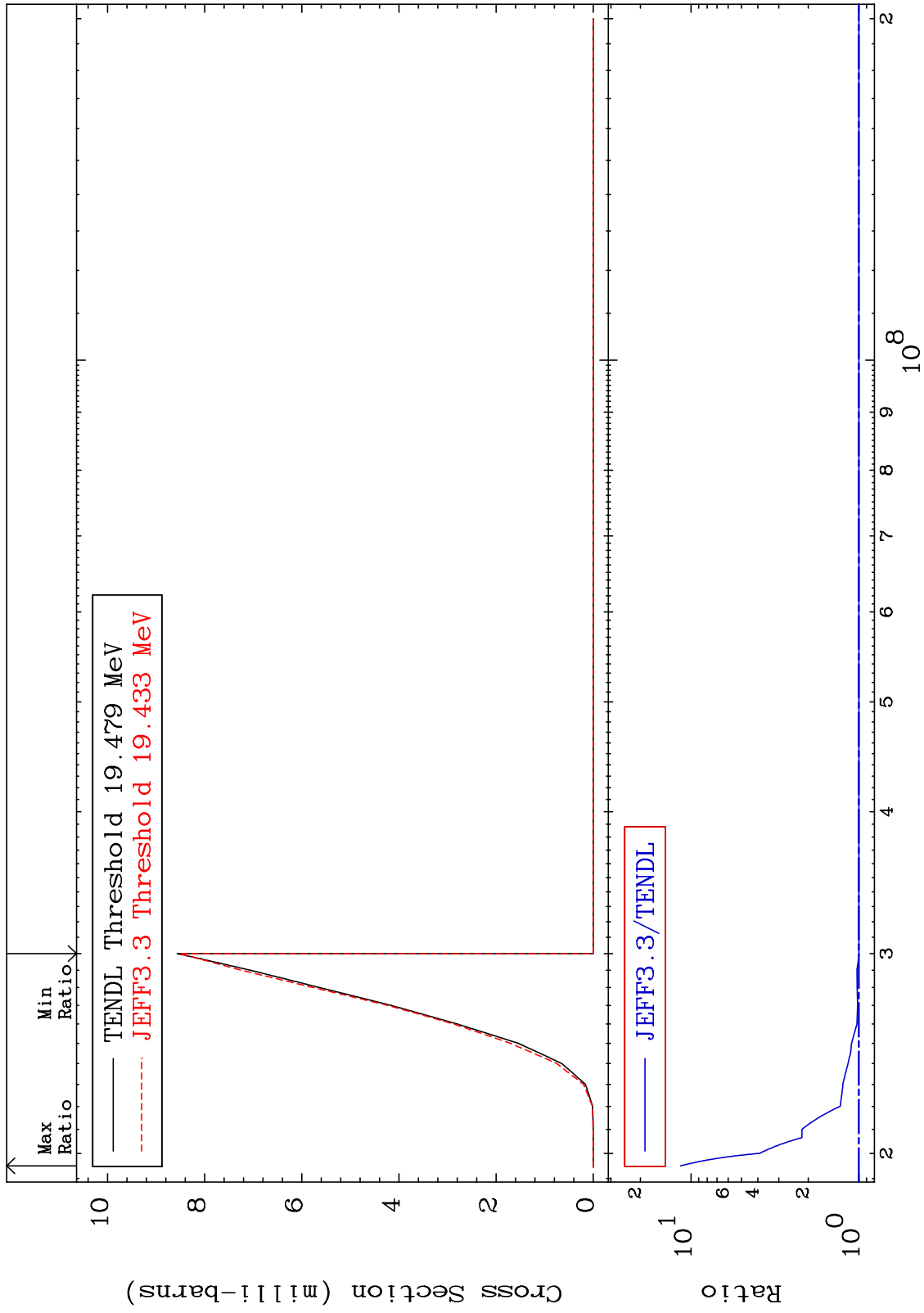
-100.0 To 55.30 %



MAT 1122

(n,n') He-3
Cross Section

11-Na-22
-0.506 To 1053. %



12

Incident Energy (eV)

11-Na-22

MAT 1122

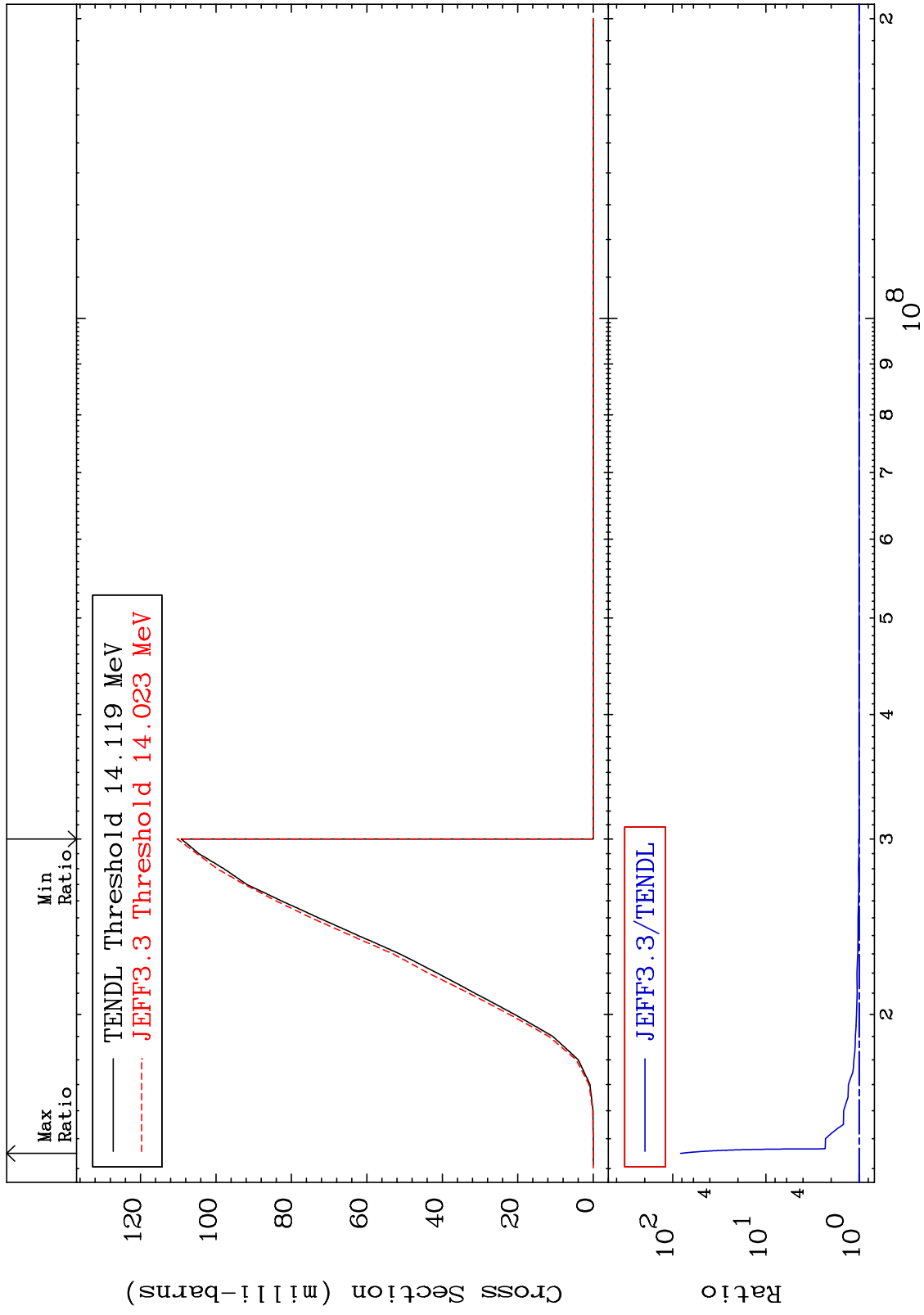
(n,2n) p

11-Na-22

Cross Section

0.000

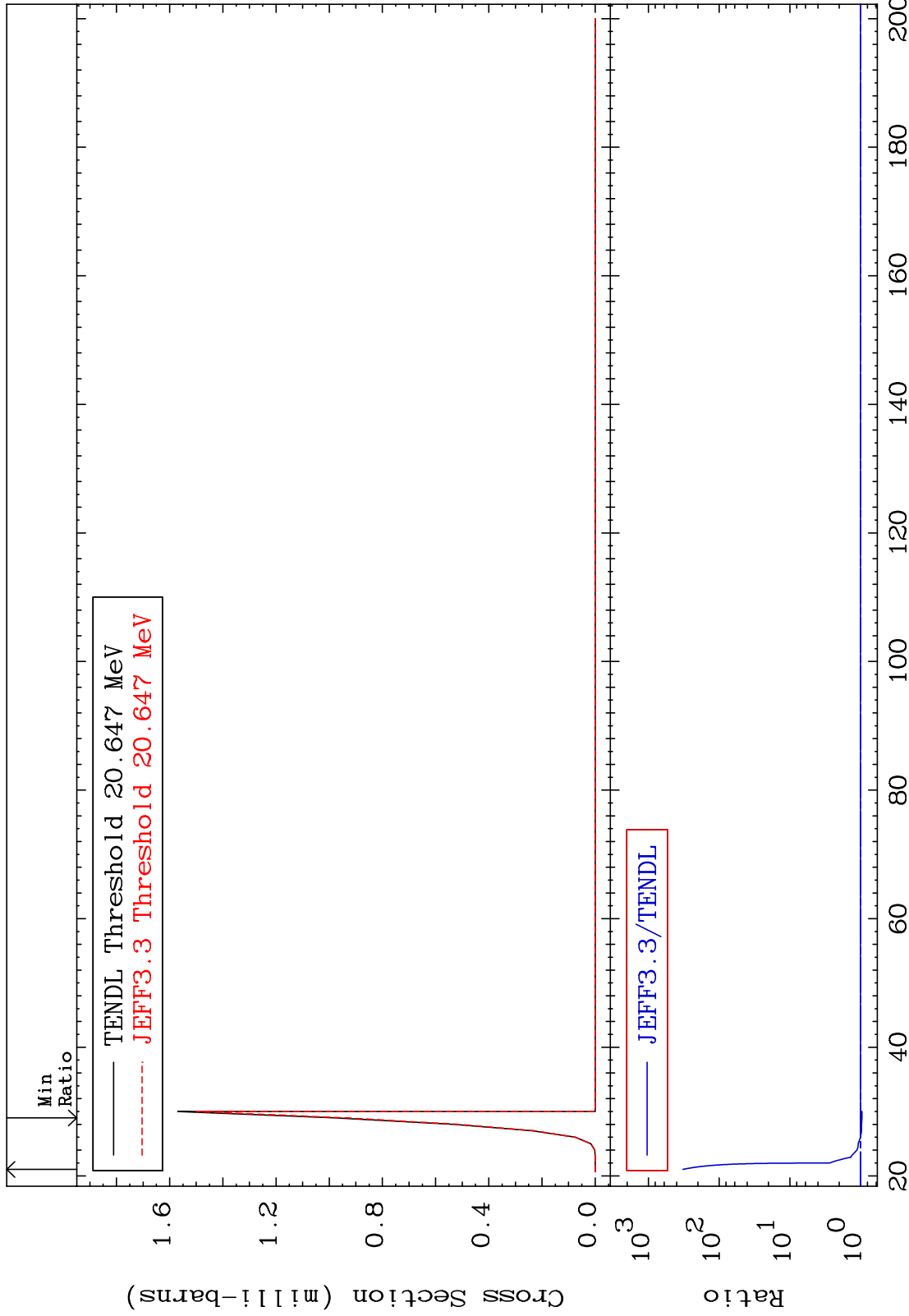
To 8134. %



MAT 1122

(n,2n) p
Cross Section

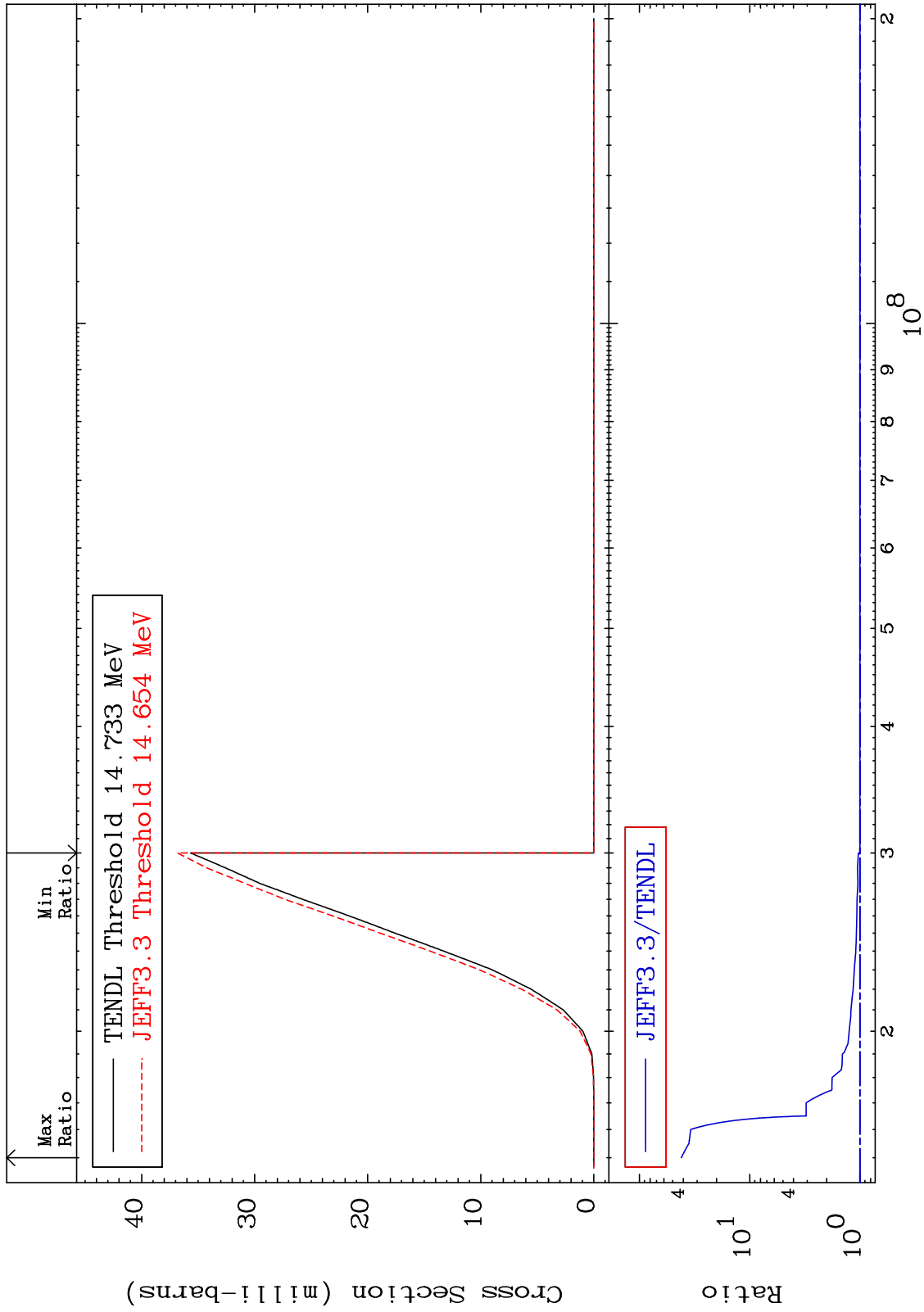
11-Na-22
-4.779 To 9999. %



MAT 1122

(n,n') p α
Cross Section

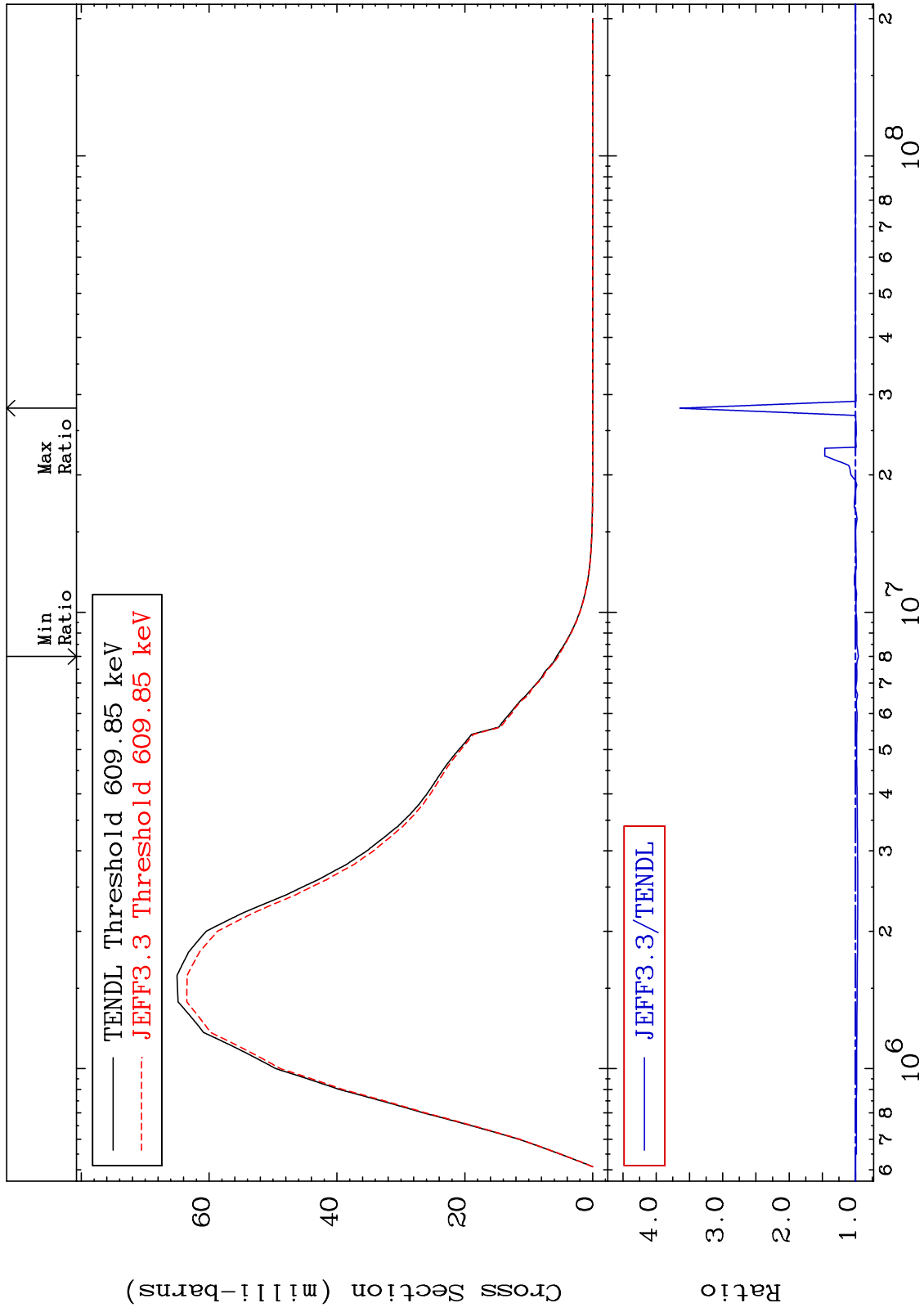
11-Na-22
0.000 To 4078. %



MAT 1122

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

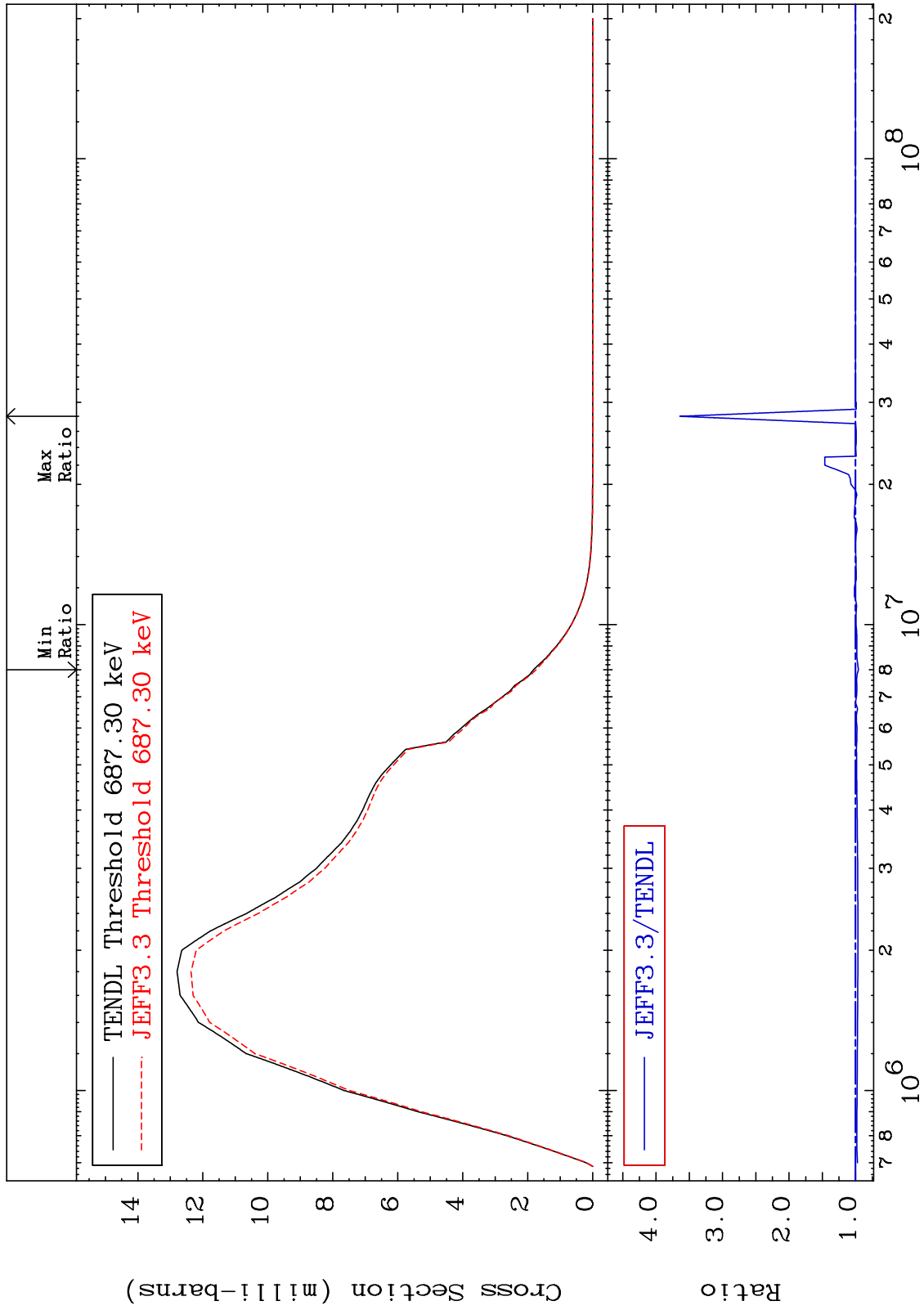
11-Na-22
-4.202 To 264.2 %



16

11-Na-22

MAT 1122 MT= 52 (n,n') Level Cross Section 11-Na-22 -4.189 To 264.0 %

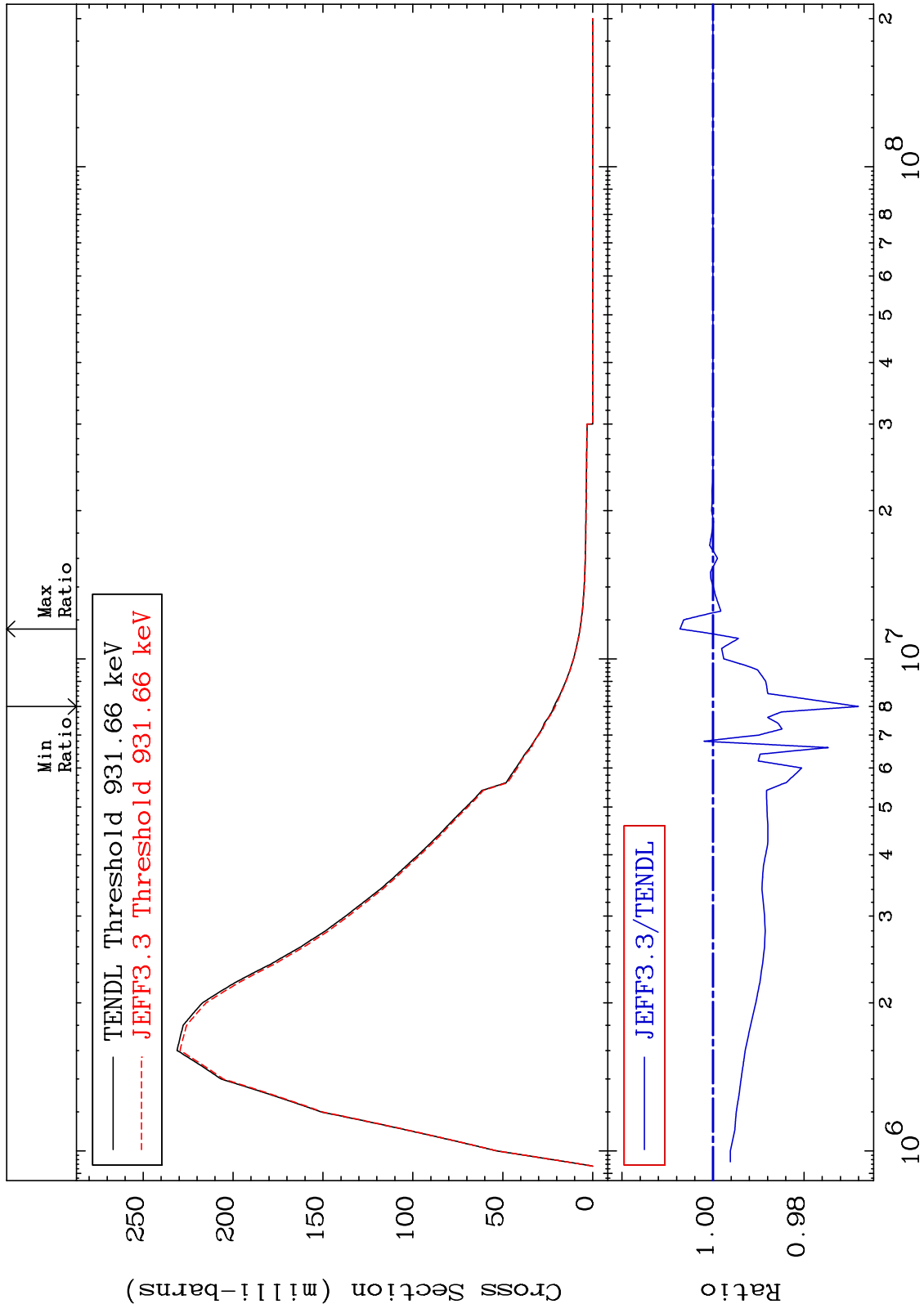


17 11-Na-22

MAT 1122

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

11-Na-22
-3.195 To 0.724 %



11-Na-22

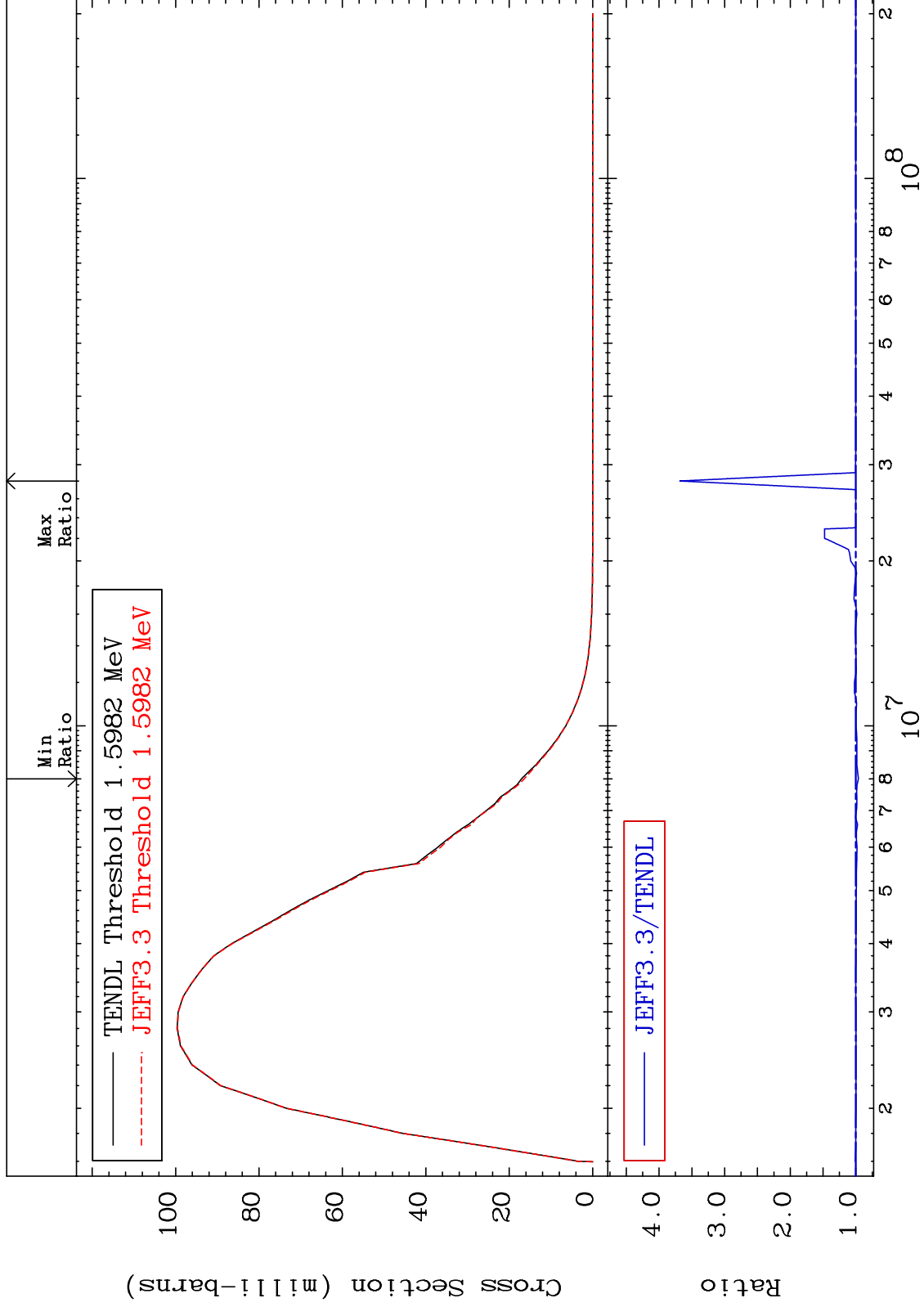
Incident Energy (eV)

18

MAT 1122

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

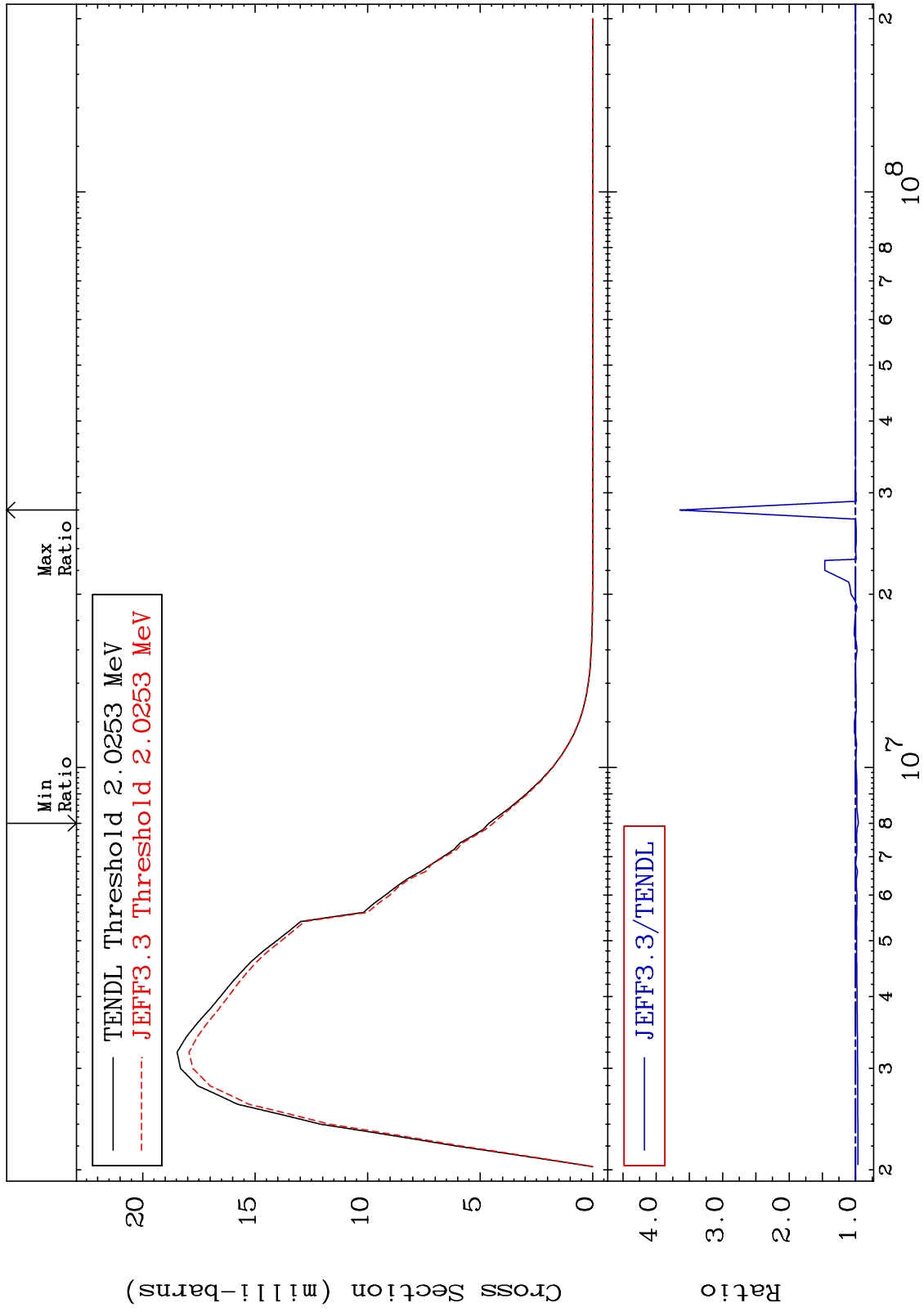
11-Na-22
-3.919 To 268.1 %



MAT 1122

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

11-Na-22
-4.198 To 264.1 %



20

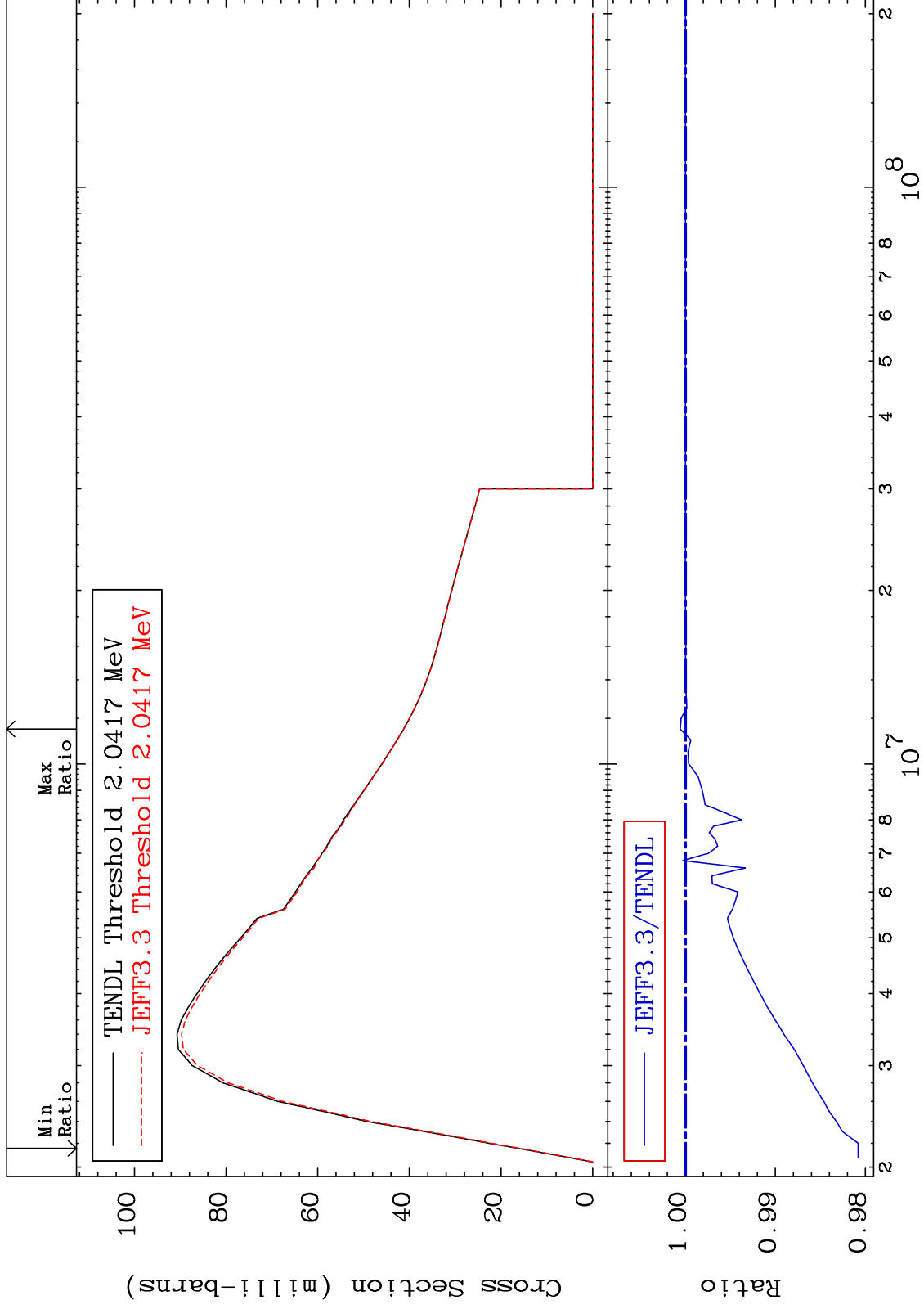
Incident Energy (eV)

11-Na-22

MAT 1122

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

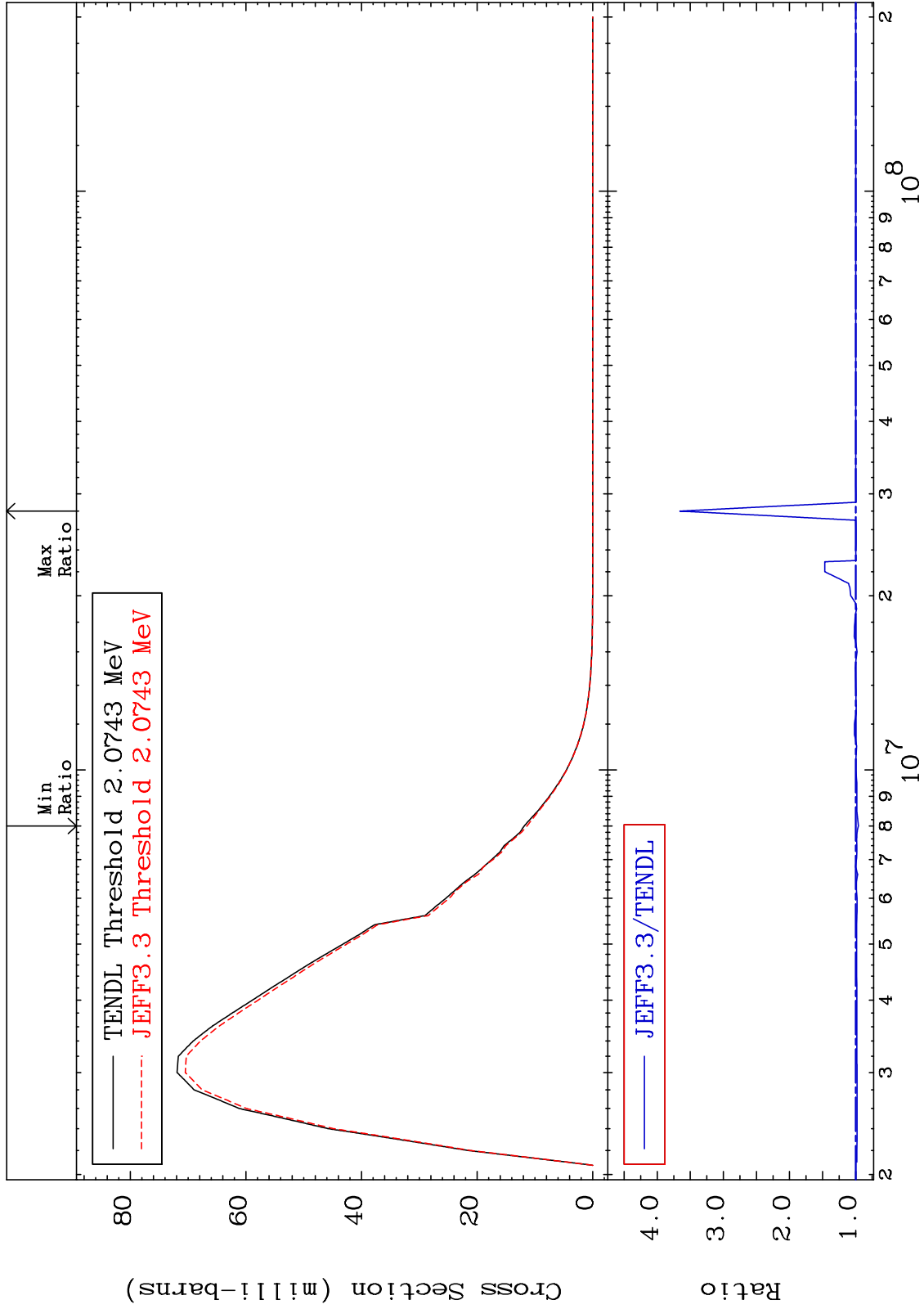
11-Na-22
-1.920 To 0.057 %



MAT 1122

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

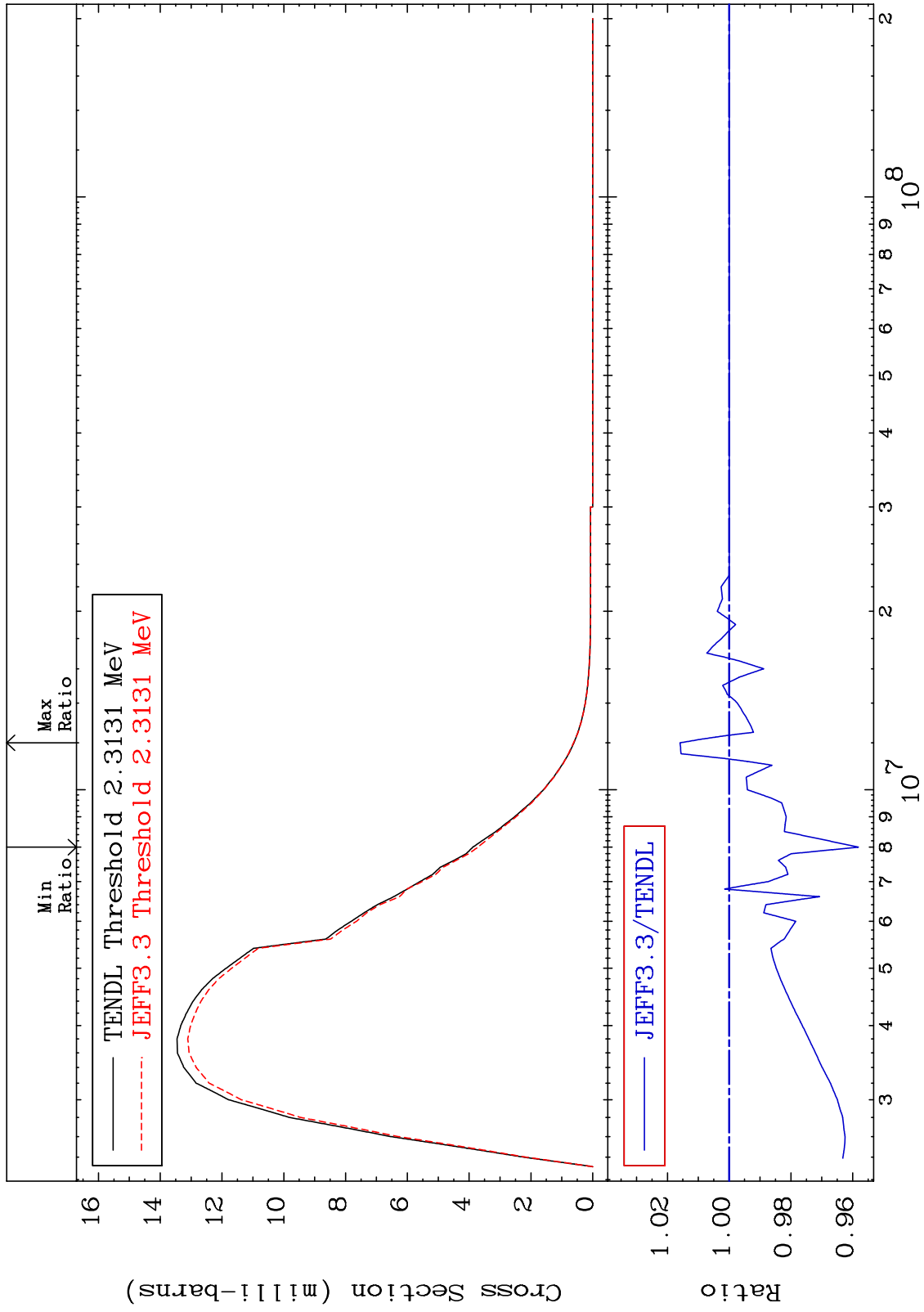
11-Na-22
-4.149 To 265.5 %



MAT 1122

MT= 58 (n,n') Level
Cross Section

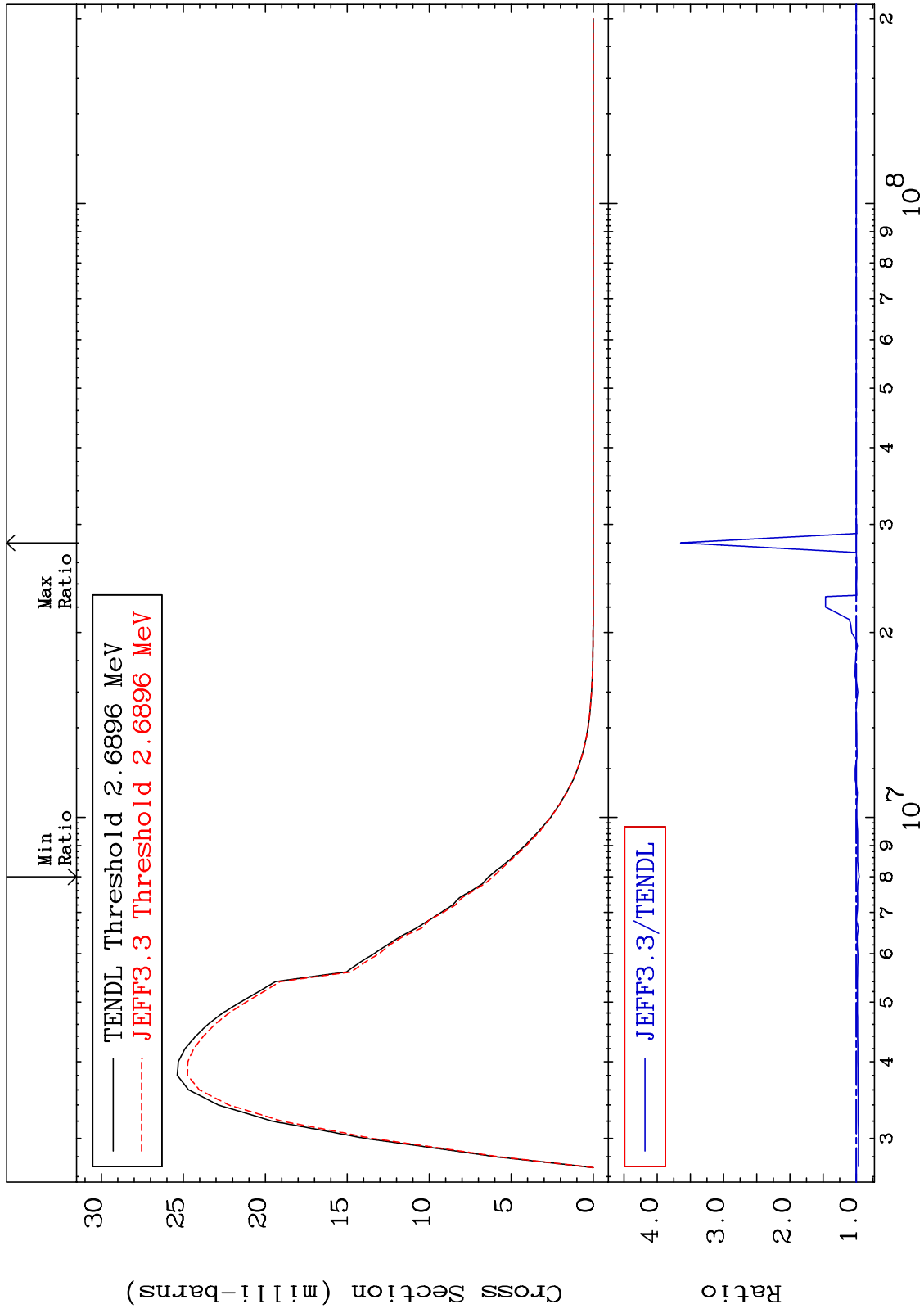
11-Na-22
-4.186 To 1.592 %



MAT 1122

MT= 59 (n, n') Level
Cross Section

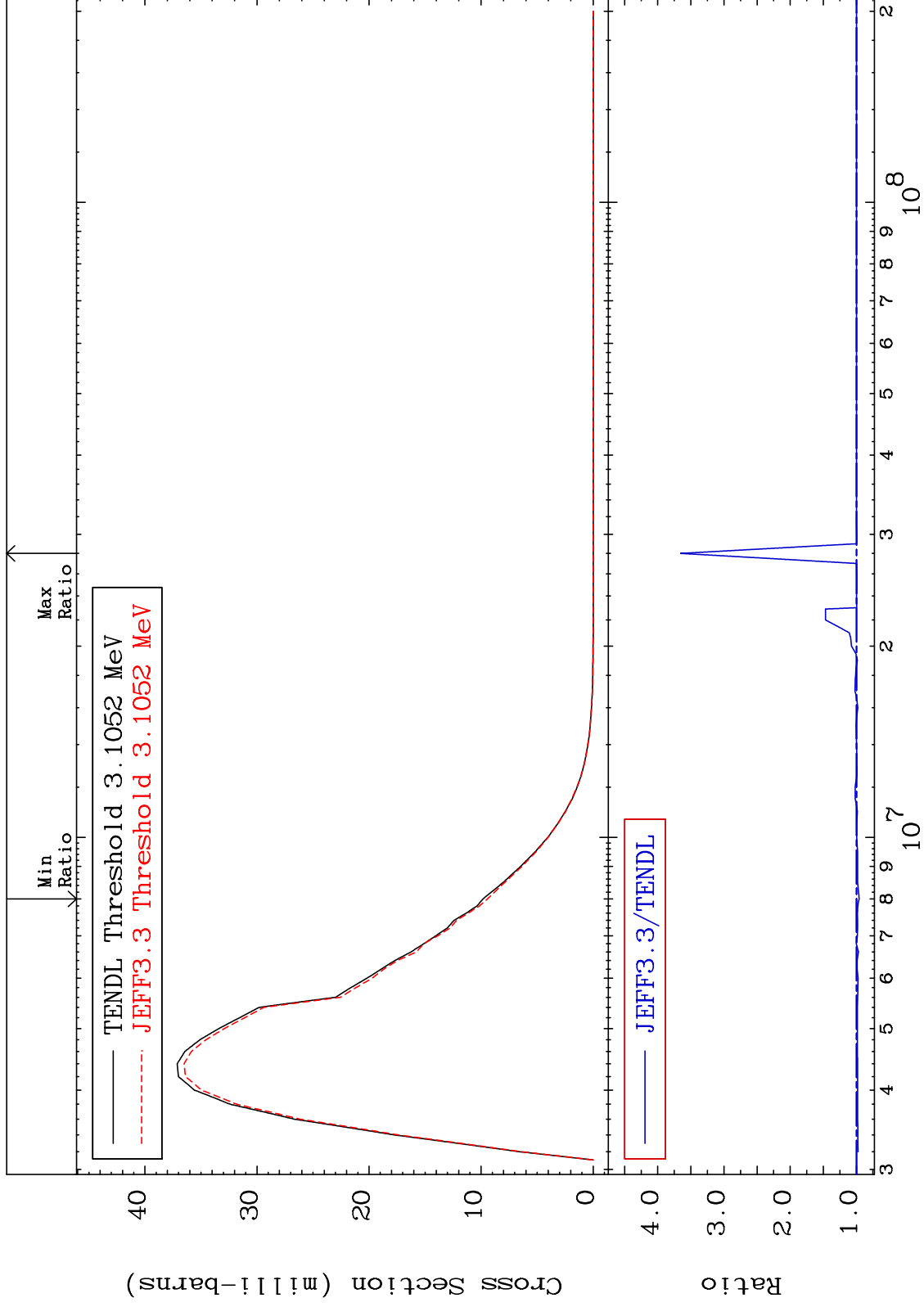
11-Na-22
-4.237 To 264.6 %



MAT 1122

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

11-Na-22
-4.167 To 265.4 %



25

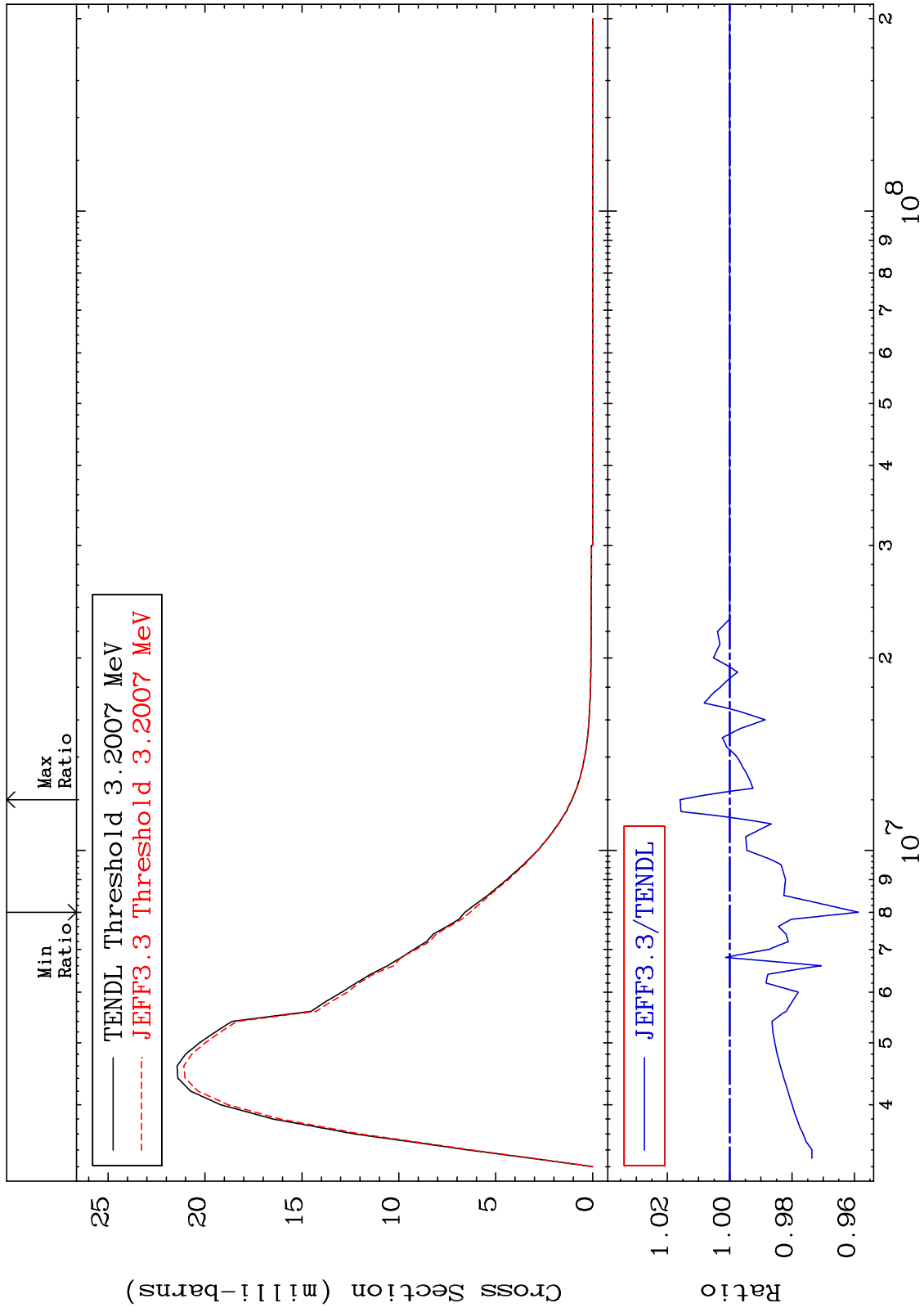
Incident Energy (eV)

11-Na-22

MAT 1122

MT= 61 (n,n') Level
Cross Section

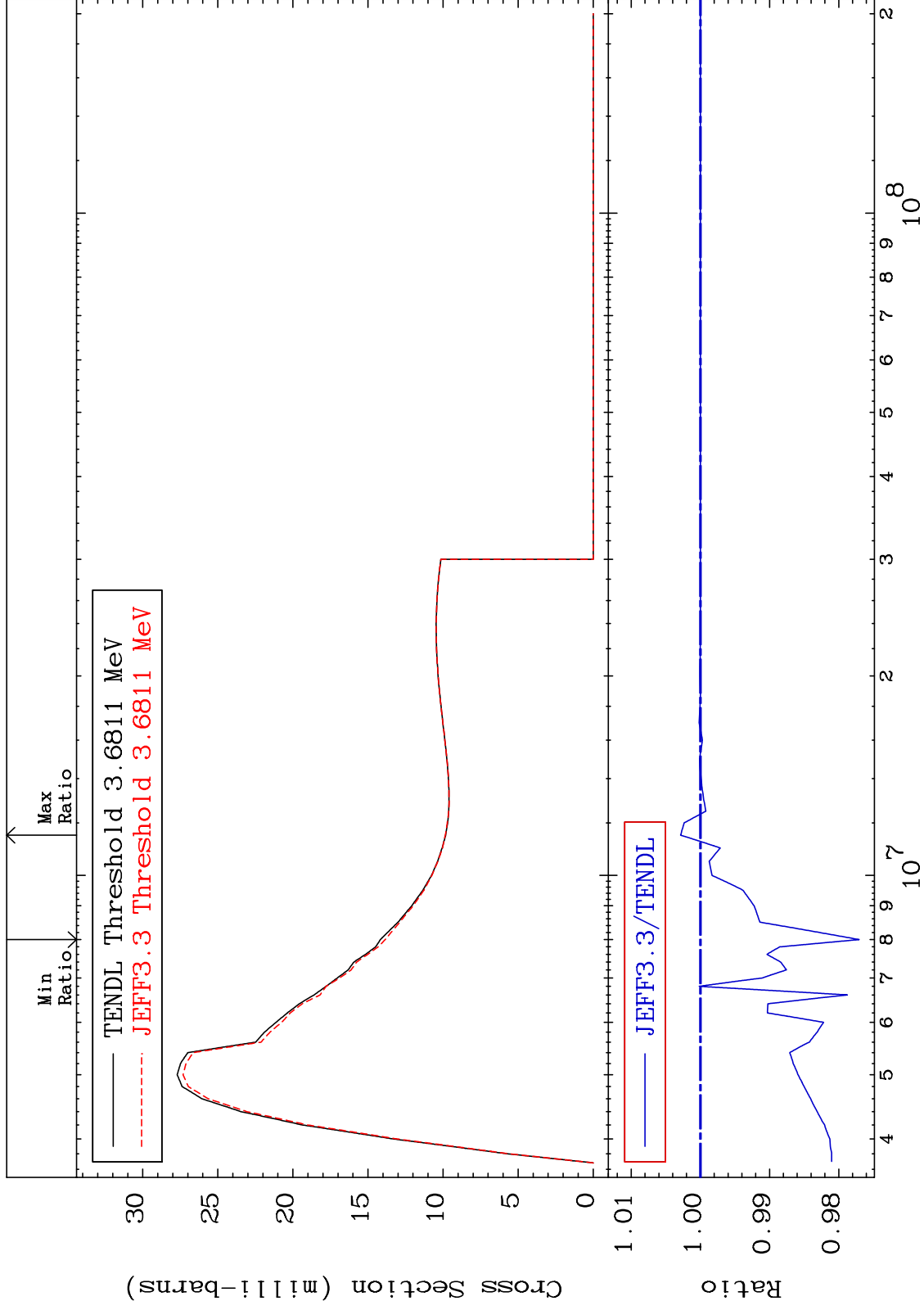
11-Na-22
-4.129 To 1.595 %



MAT 1122

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

11-Na-22
-2.295 To 0.285 %



27

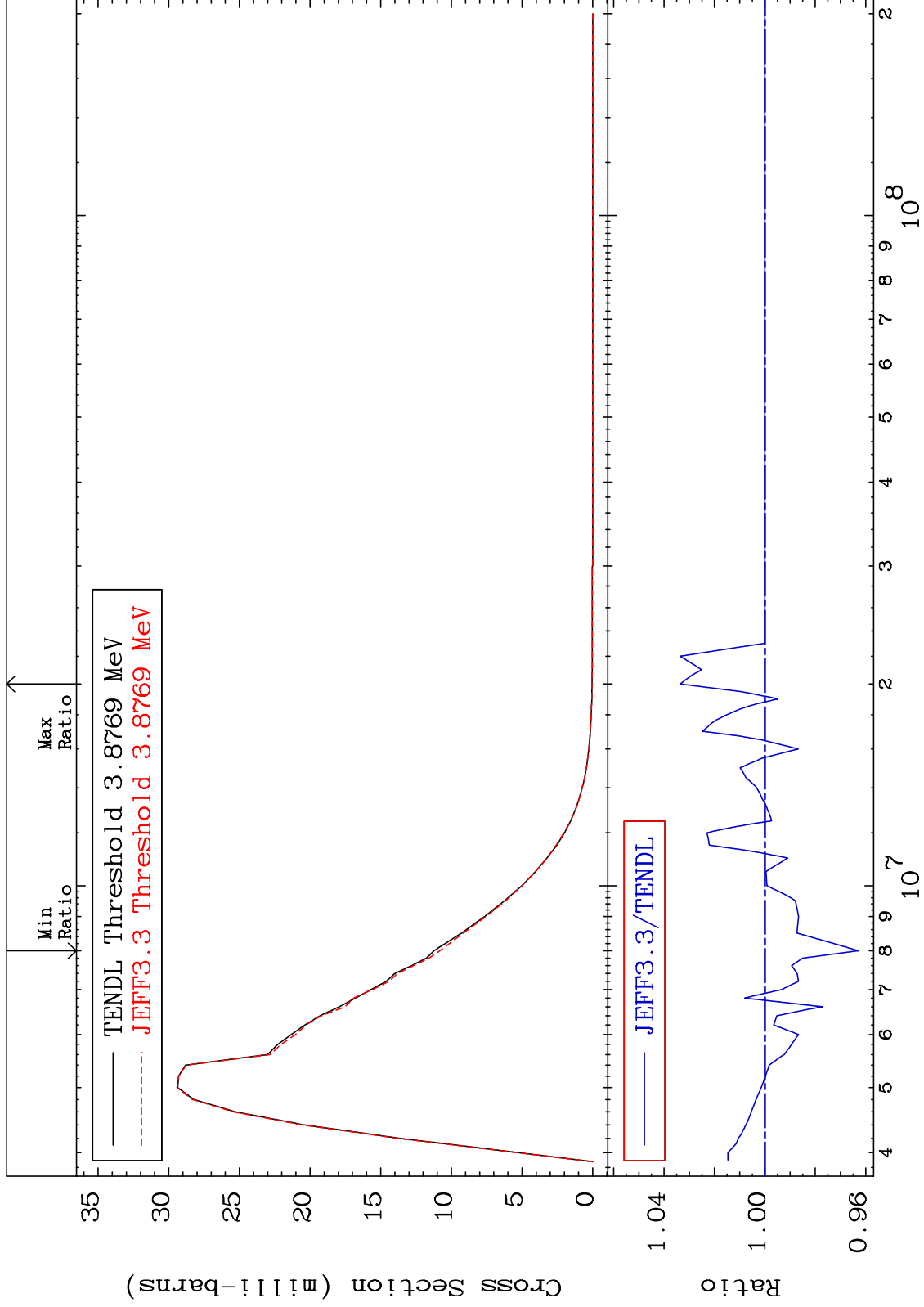
Incident Energy (eV)

11-Na-22

MAT 1122

MT= 63 (n,n') Level
Cross Section

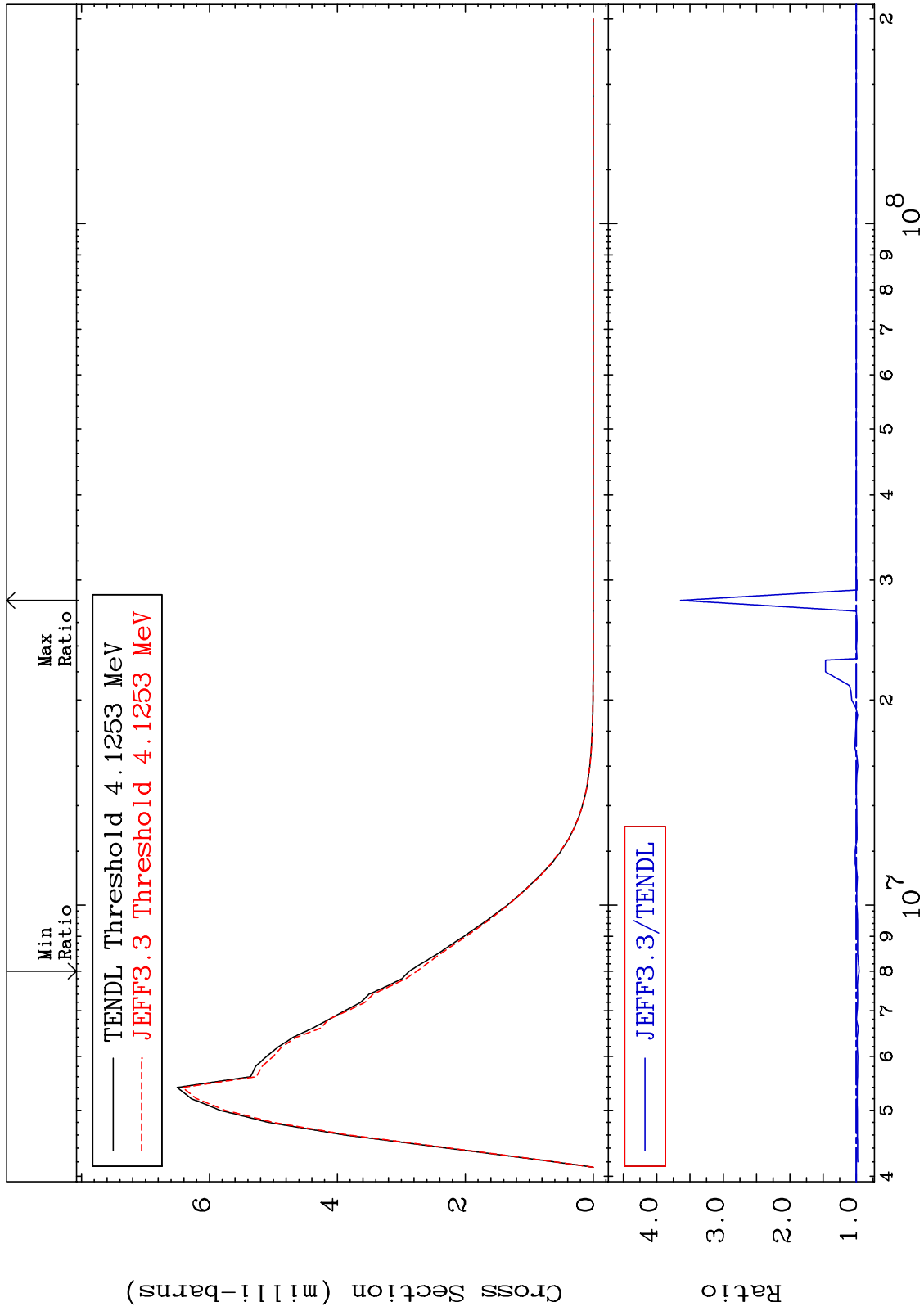
11-Na-22
-3.712 To 3.368 %



MAT 1122

MT= 64 (n, n') Level
Cross Section

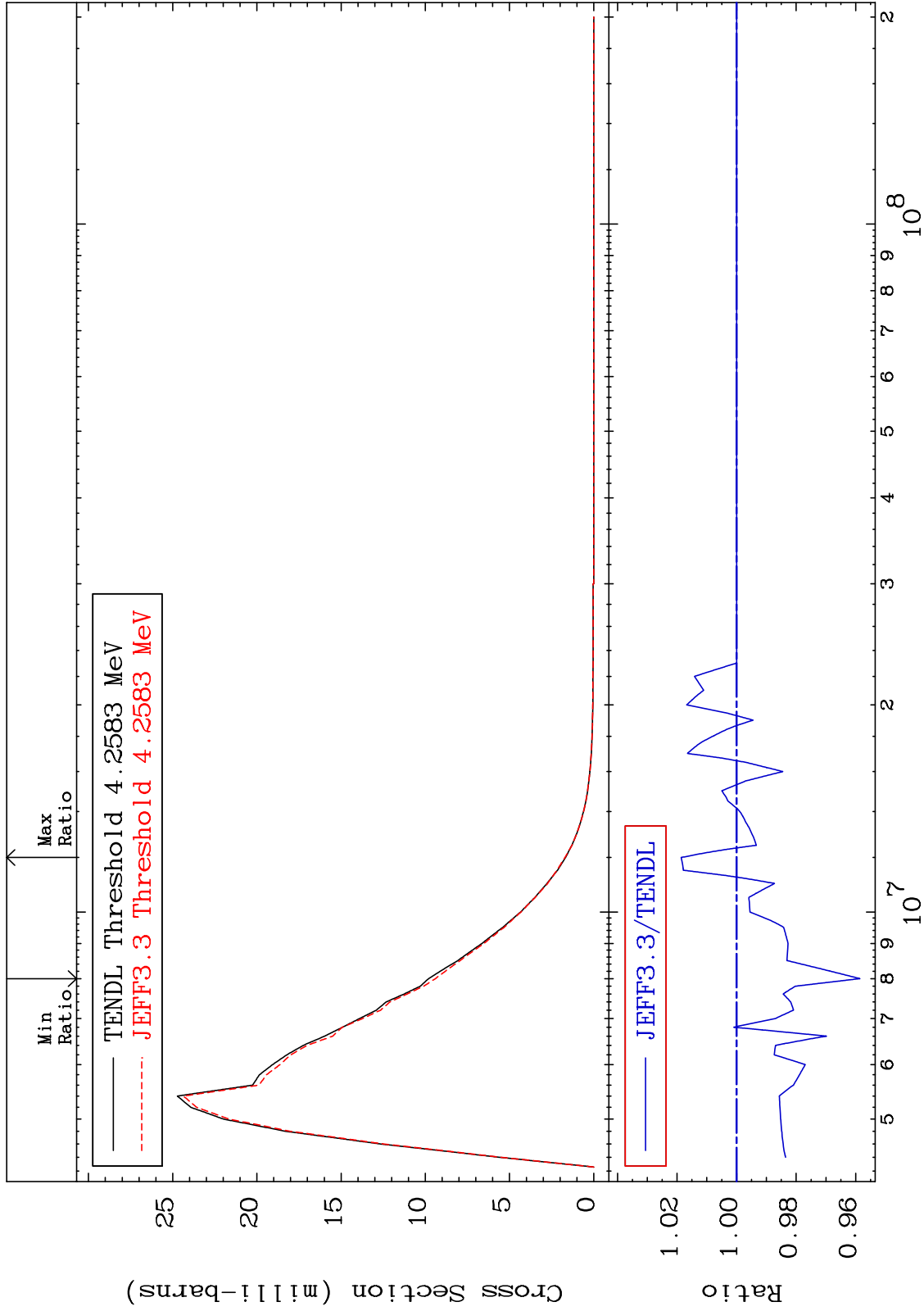
11-Na-22
-4.186 To 264.0 %



MAT 1122

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

11-Na-22
-4.141 To 1.860 %



30

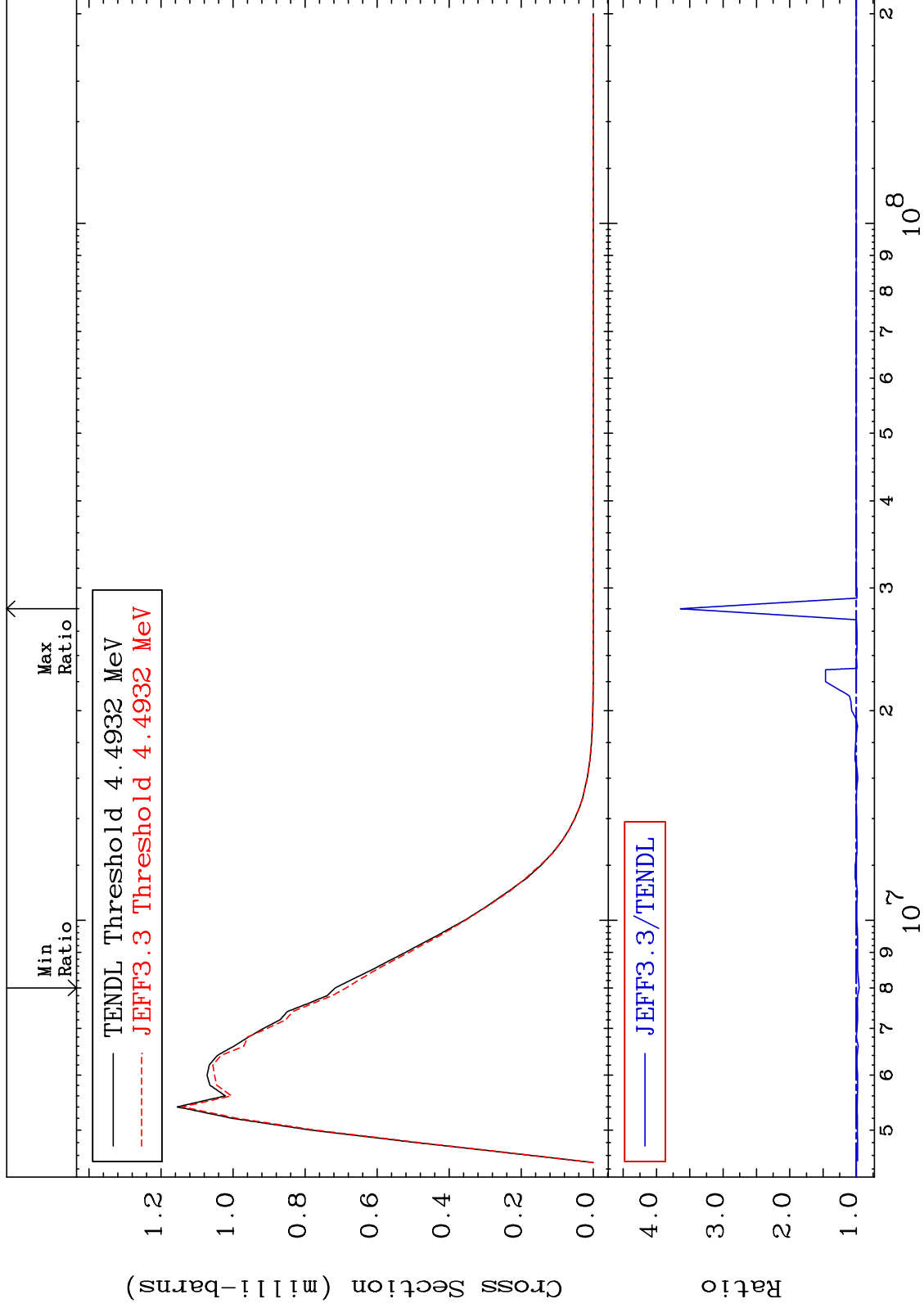
Incident Energy (eV)

11-Na-22

MAT 1122

MT= 66 (n,n') Level
Cross Section

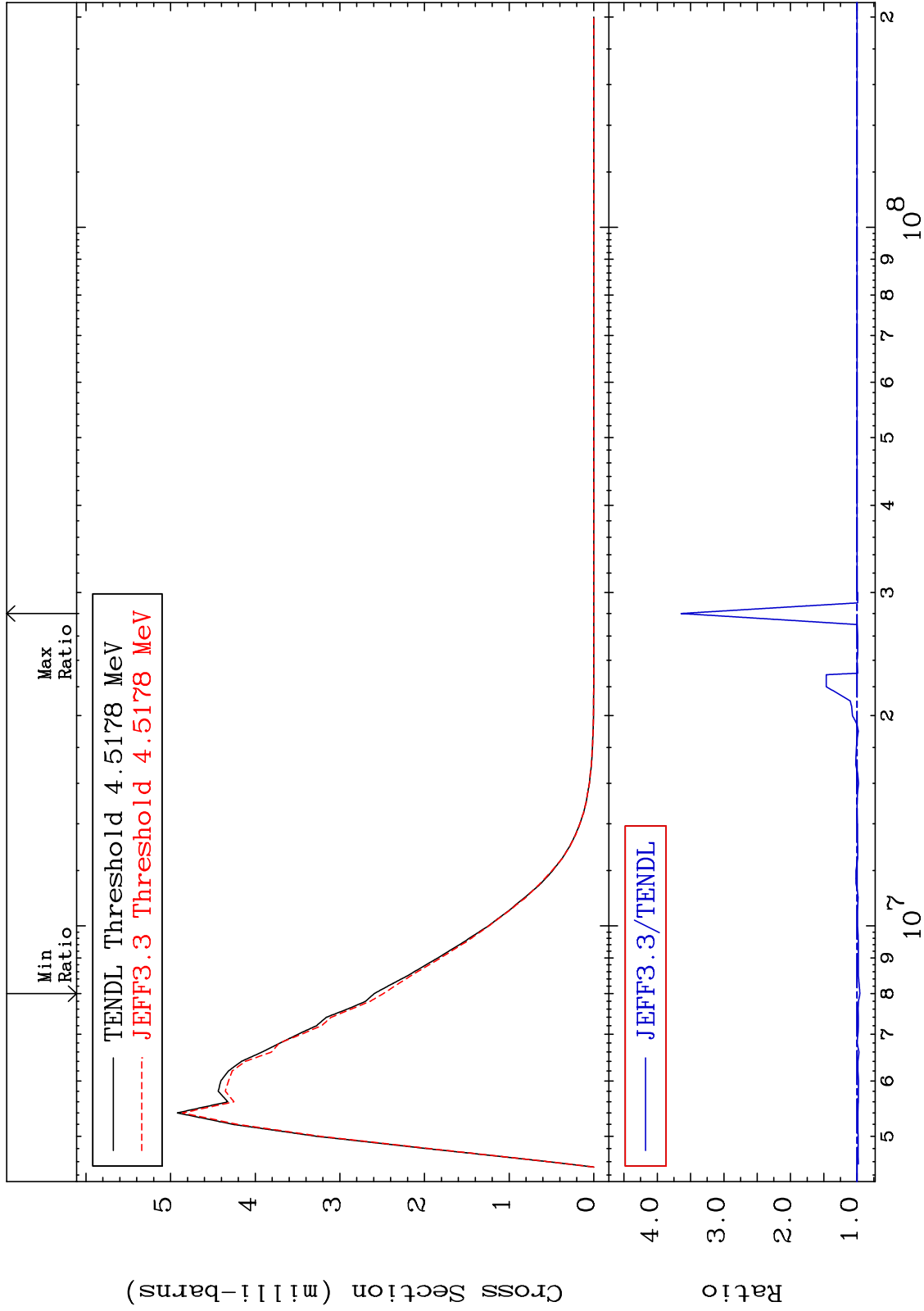
11-Na-22
-4.180 To 263.8 %



MAT 1122

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

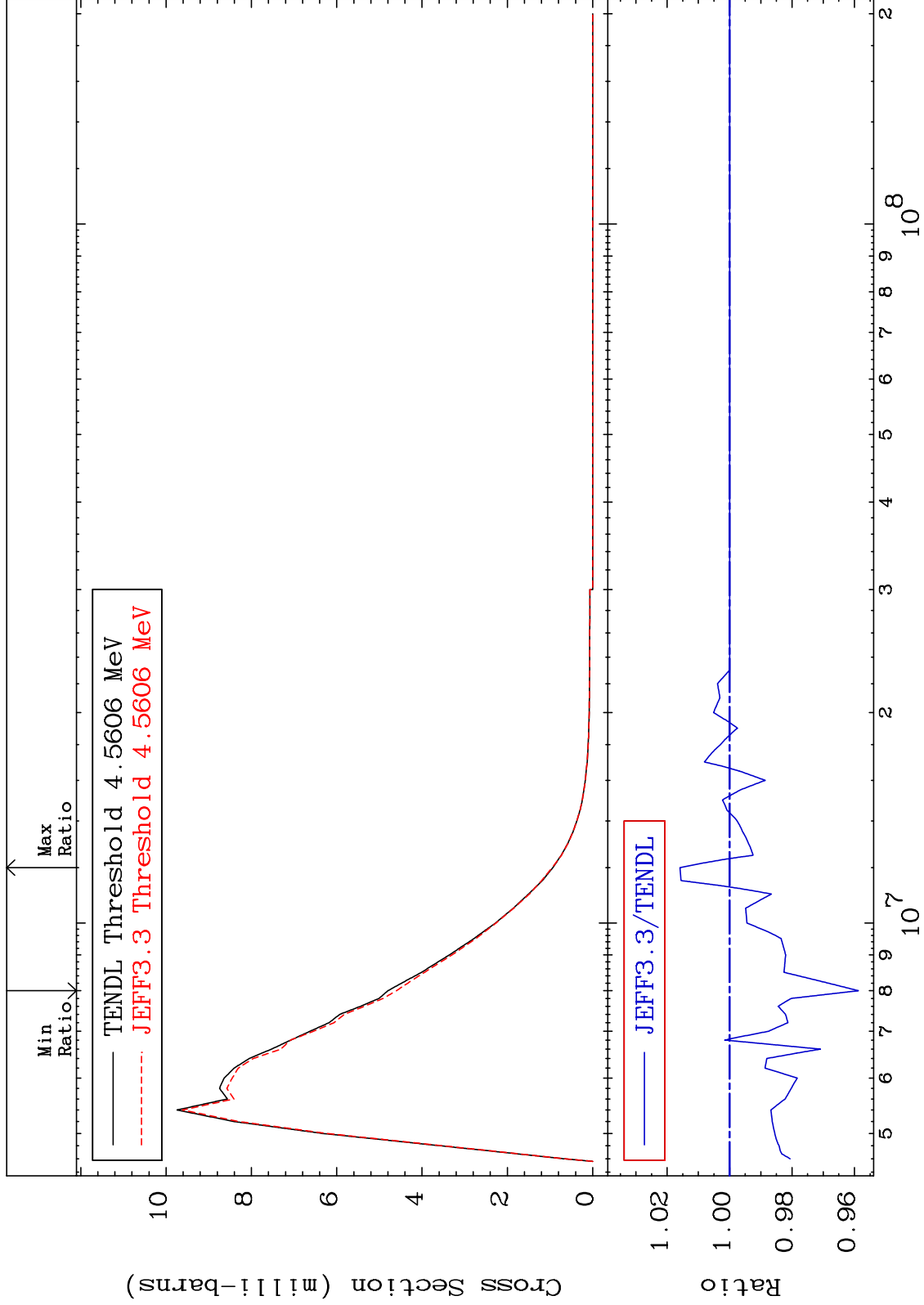
11-Na-22
-4.181 To 264.0 %



MAT 1122

MT= 68 (n,n') Level
Cross Section

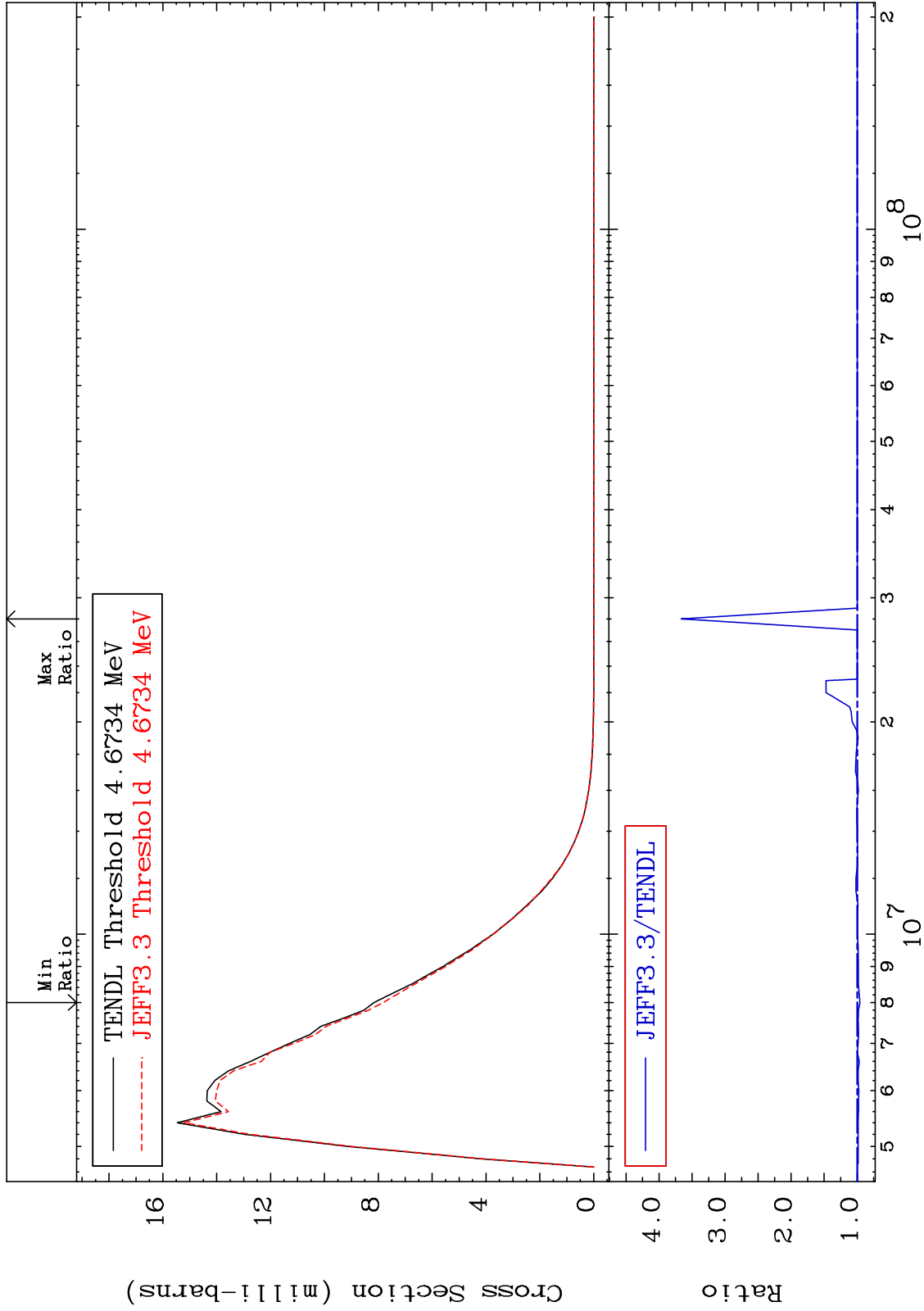
11-Na-22
-4.127 To 1.588 %



MAT 1122

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

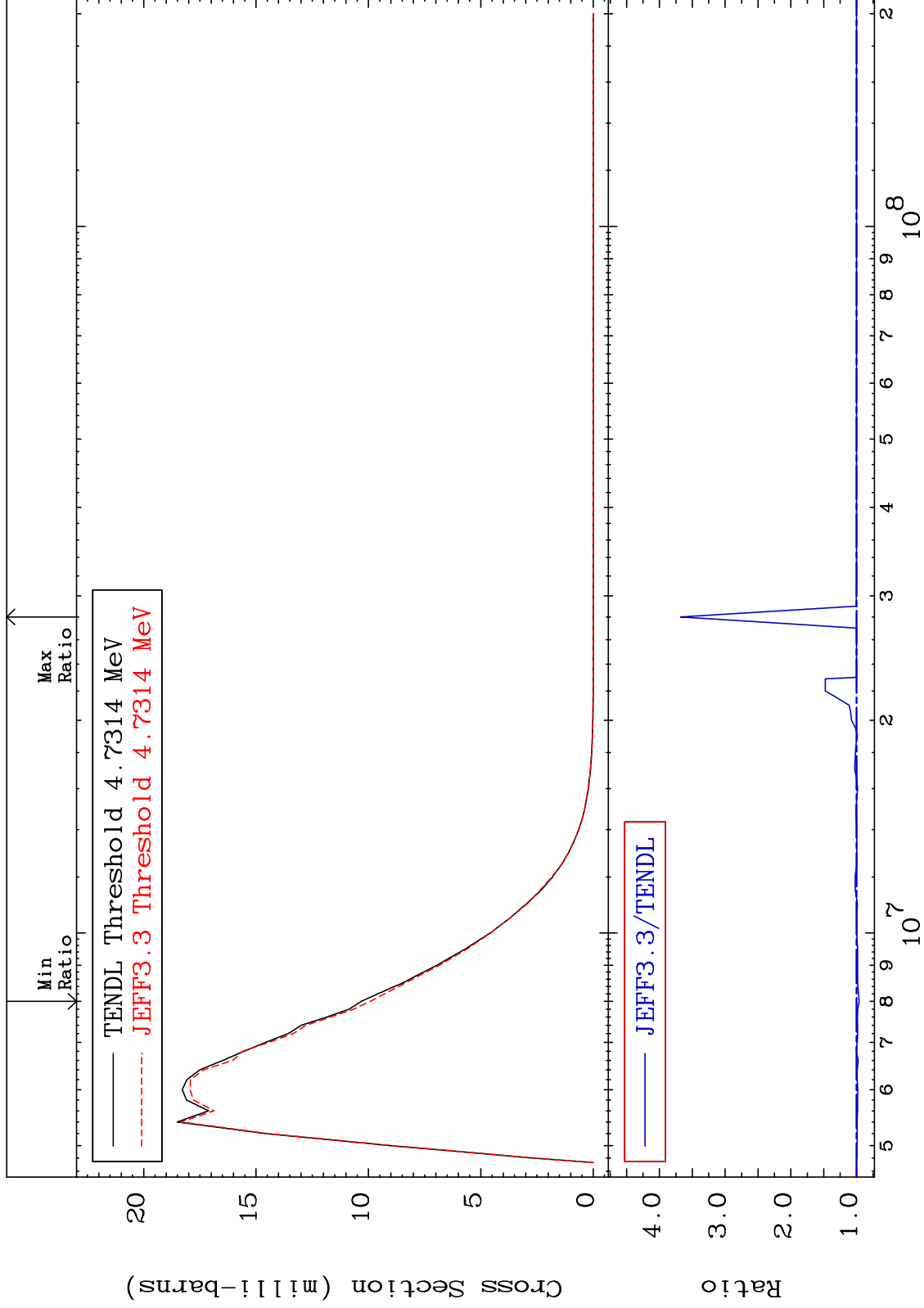
11-Na-22
-4.178 To 266.4 %



MAT 1122

MT= 70 (n,n') Level
Cross Section

11-Na-22
-3.973 To 267.8 %



35

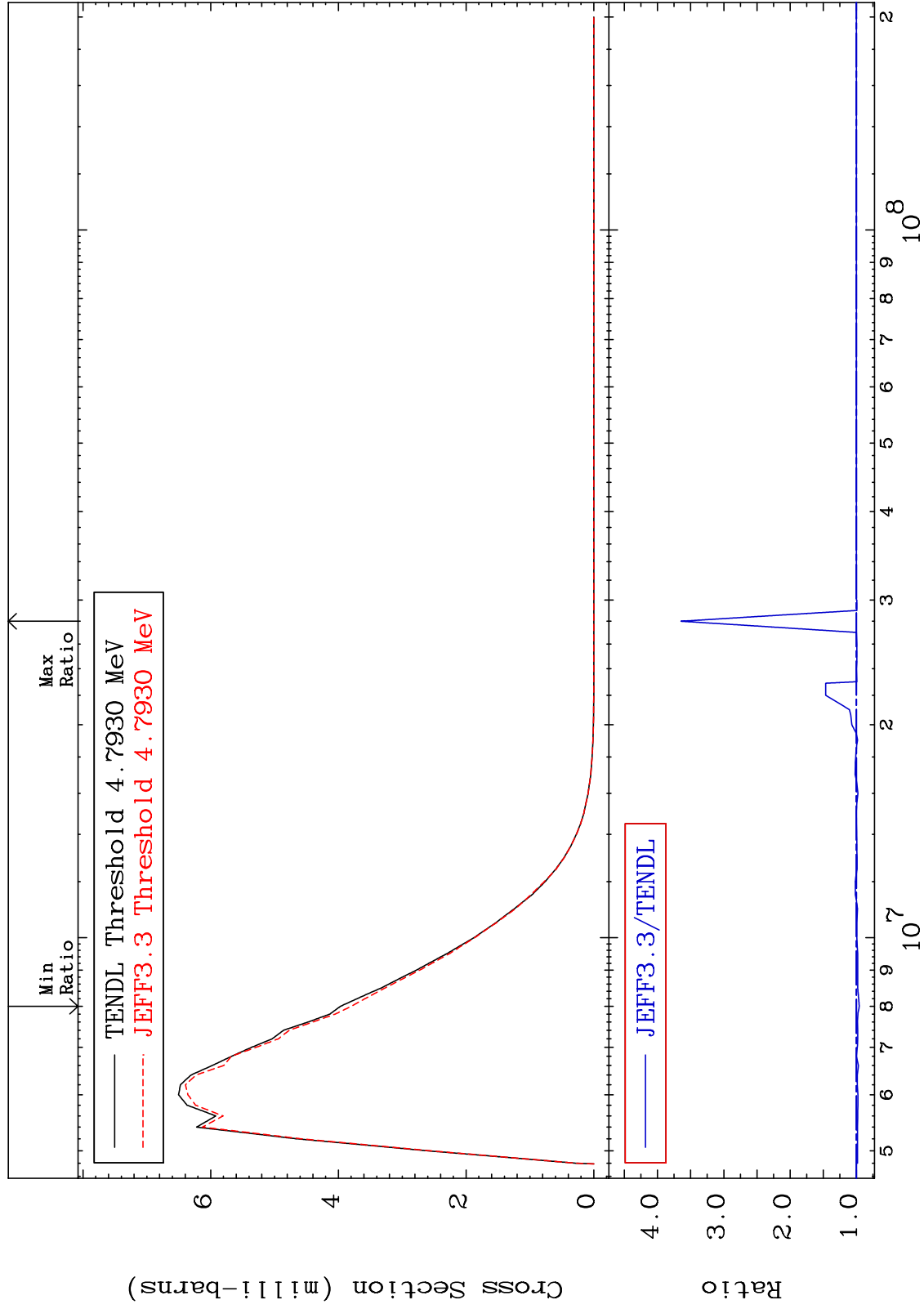
Incident Energy (eV)

11-Na-22

MAT 1122

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

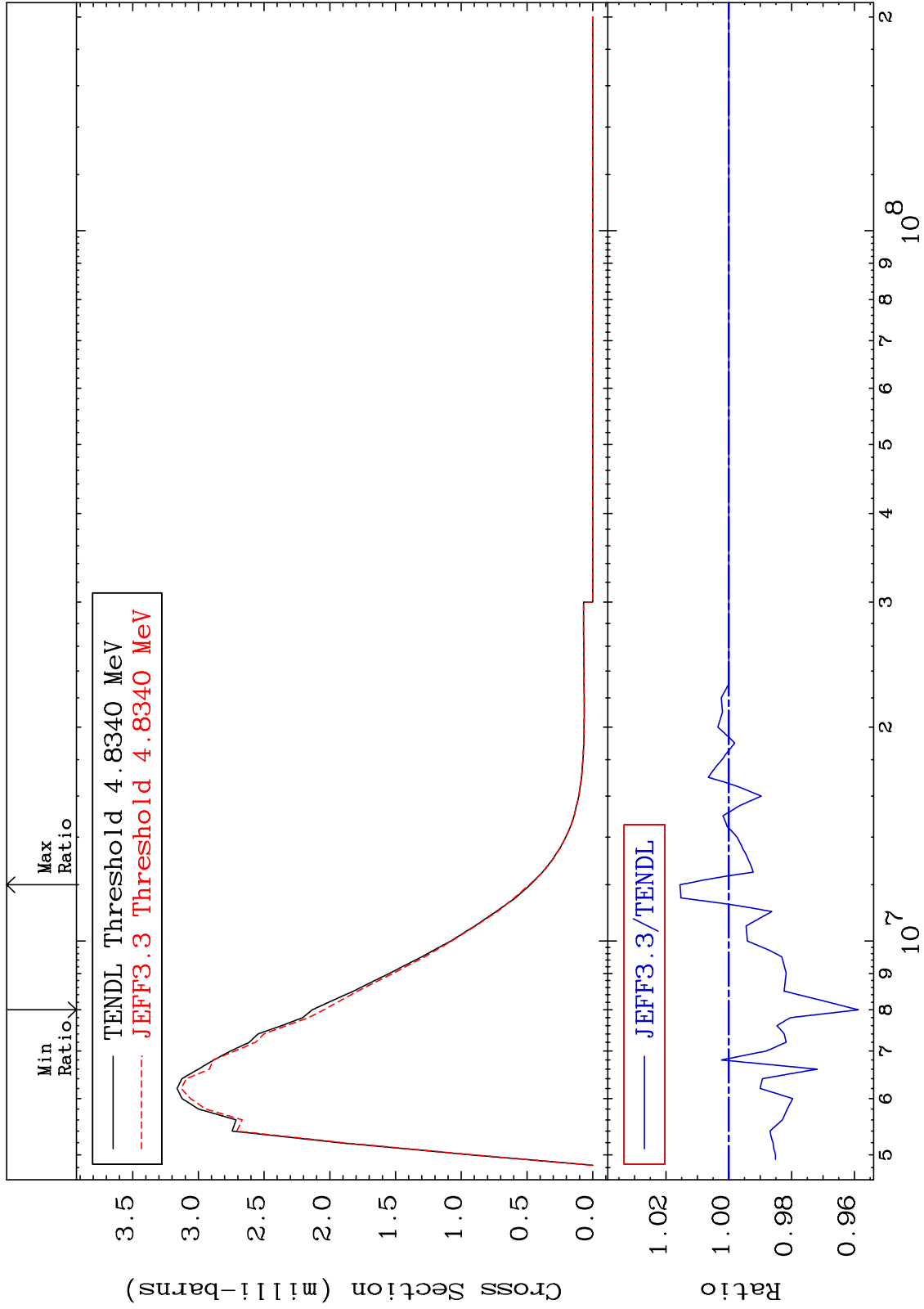
11-Na-22
-4.232 To 264.5 %



MAT 1122

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

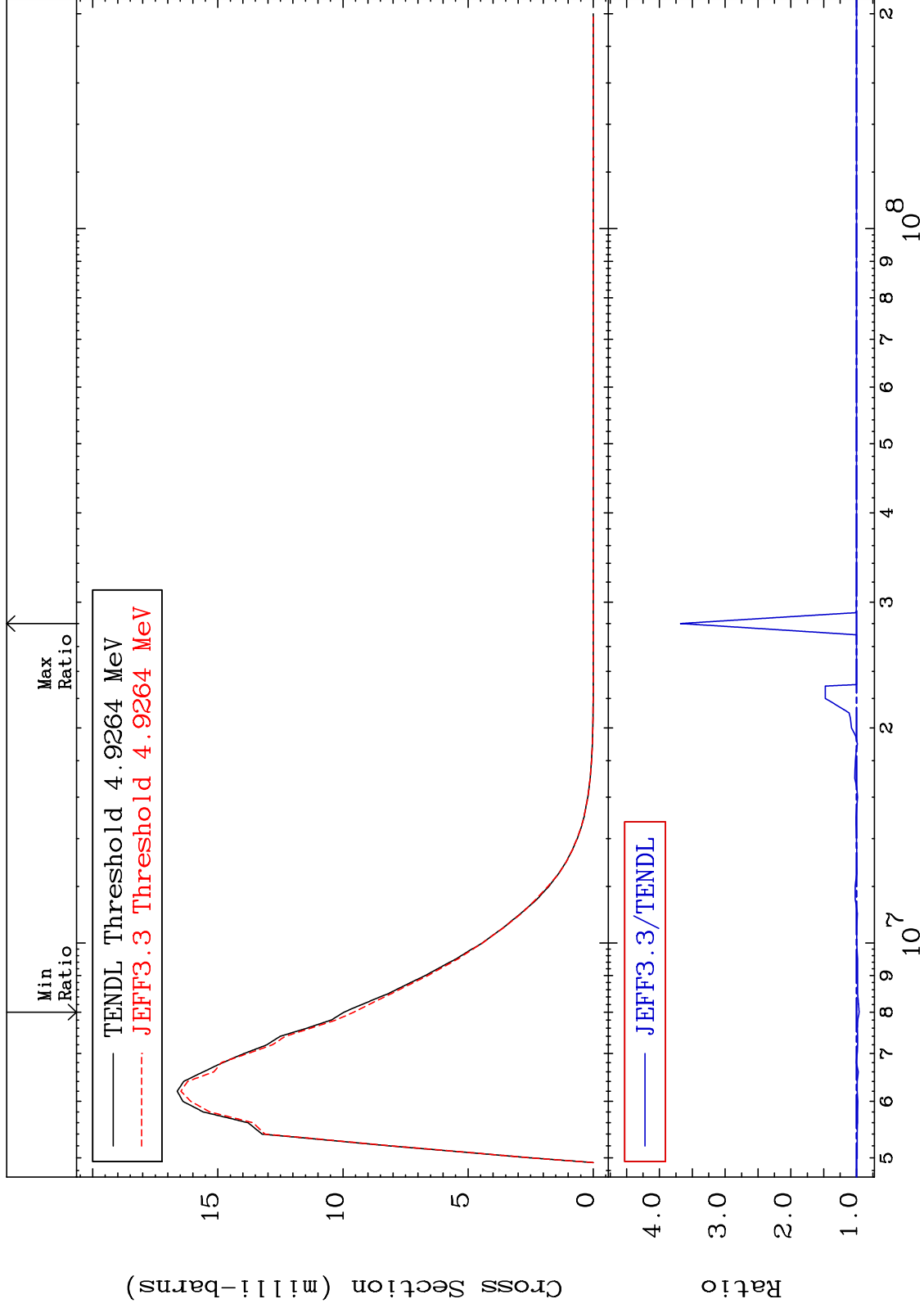
11-Na-22
-4.128 To 1.553 %



MAT 1122

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

11-Na-22
-3.977 To 267.8 %



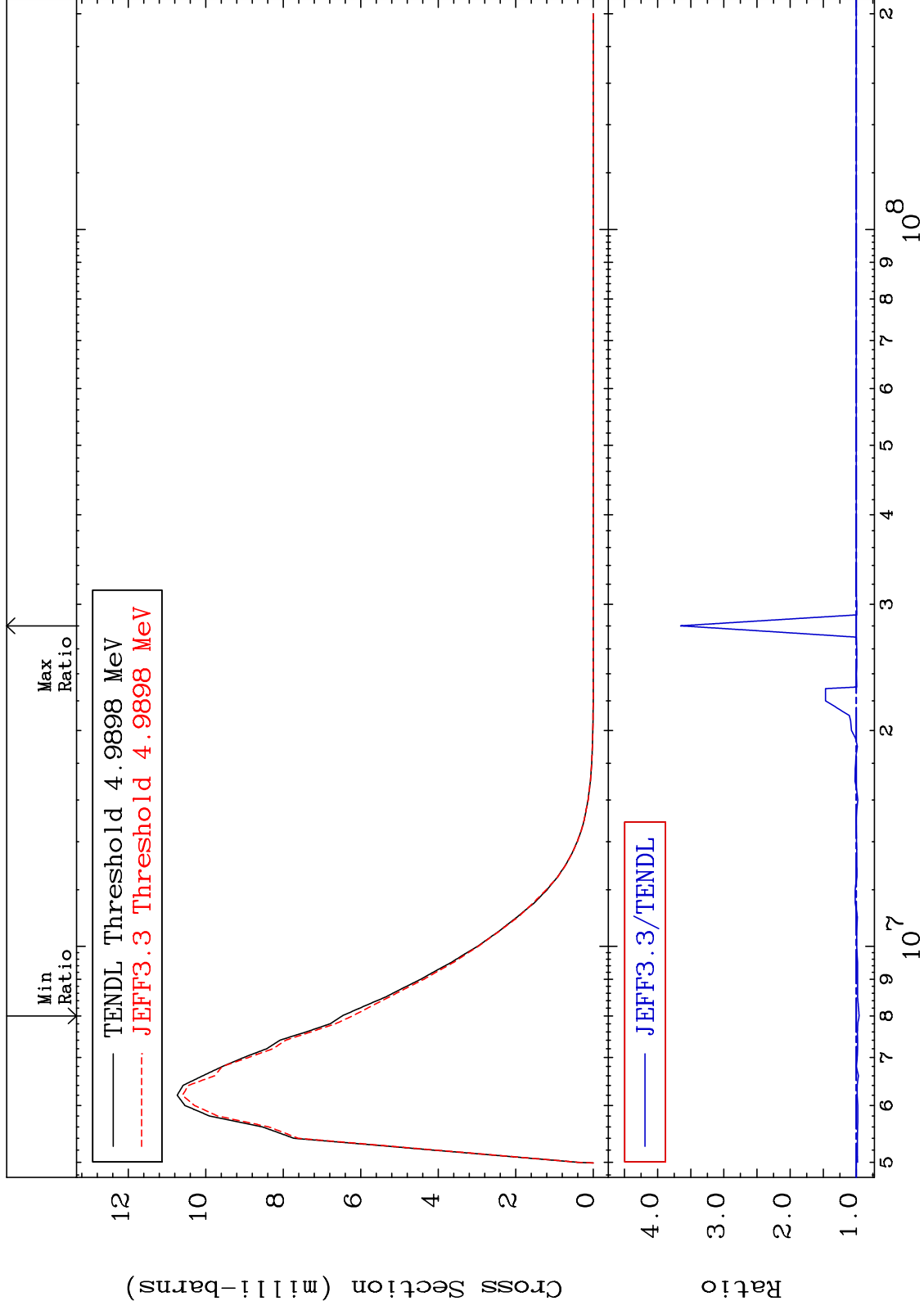
38

11-Na-22

MAT 1122

MT= 74 (n,n') Level
Cross Section

11-Na-22
-4.208 To 265.3 %



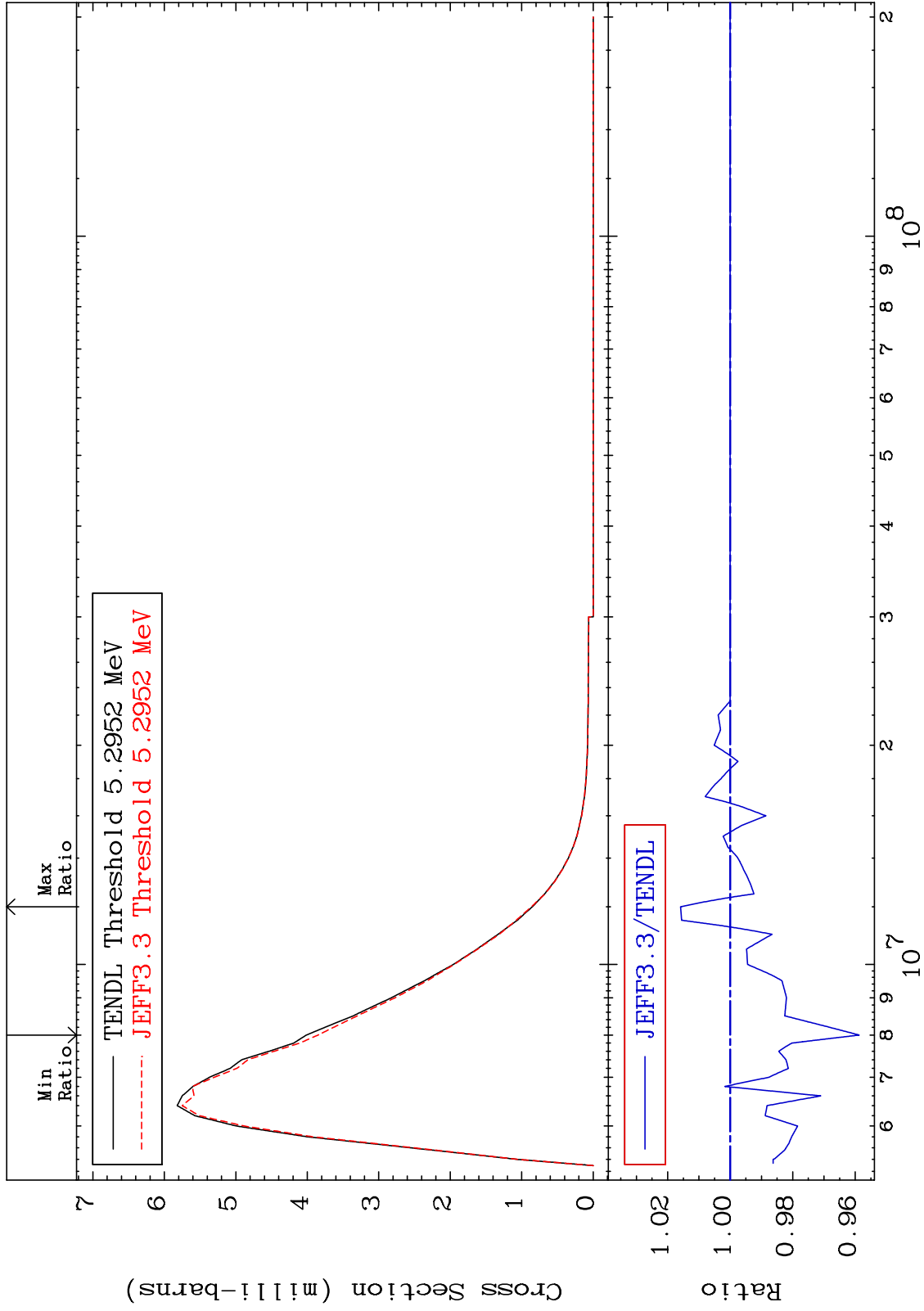
39

11-Na-22

MAT 1122

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

11-Na-22
-4.125 To 1.585 %



40

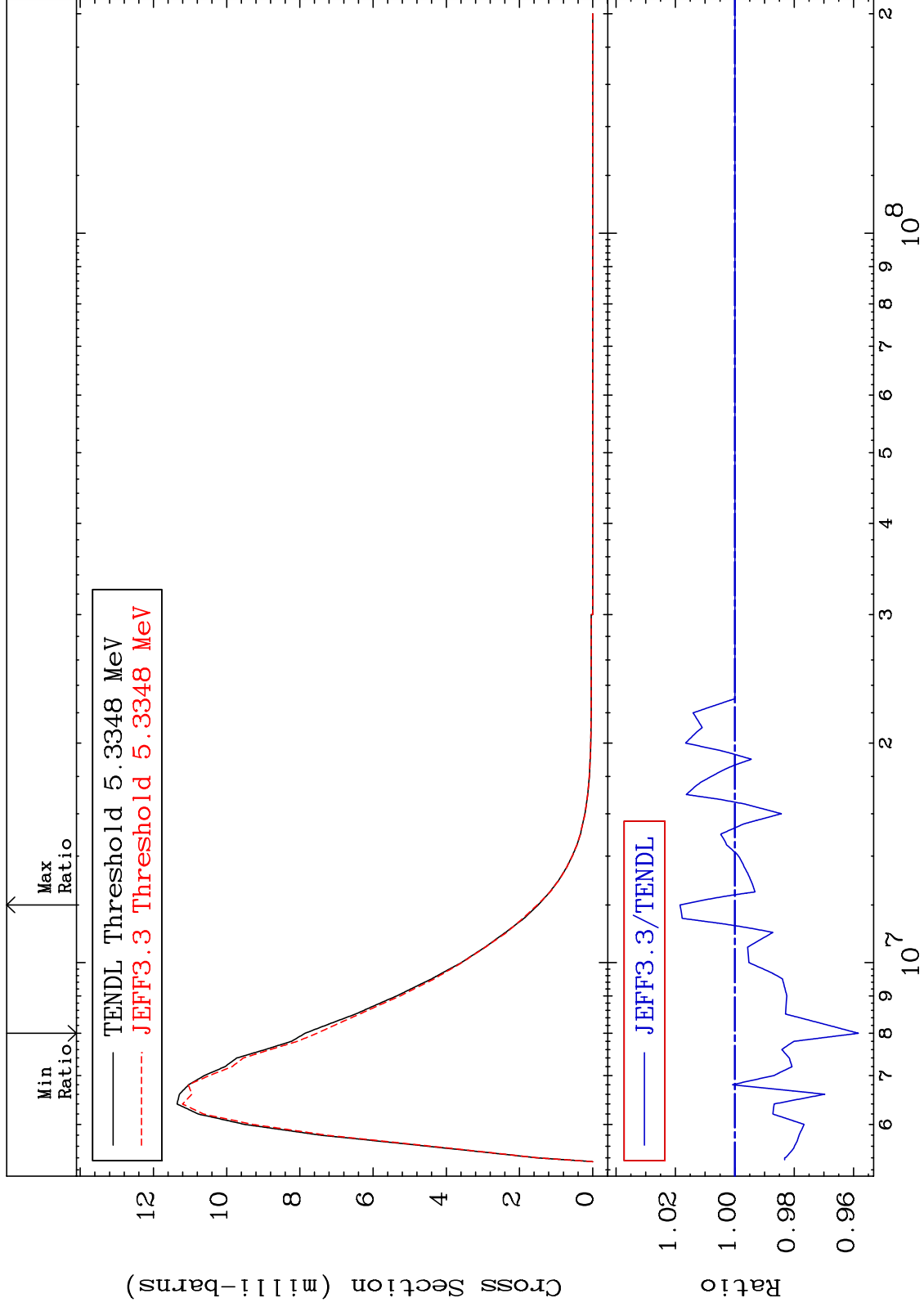
Incident Energy (eV)

11-Na-22

MAT 1122

MT= 76 (n,n') Level
Cross Section

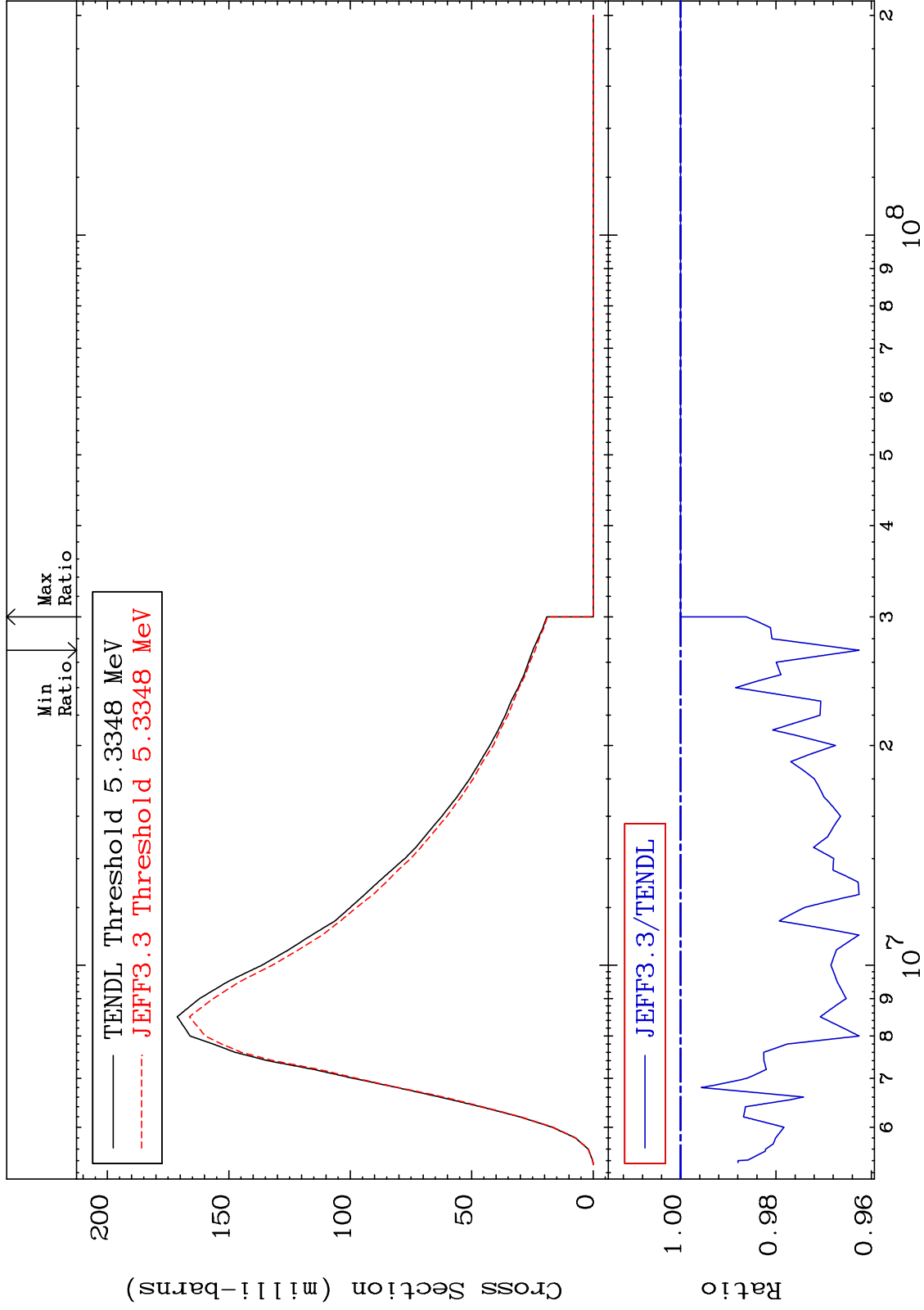
11-Na-22
-4.164 To 1.846 %



MAT 1122

(n, n') Continuum
Cross Section

11-Na-22
-3.744 To 0.000 %



42

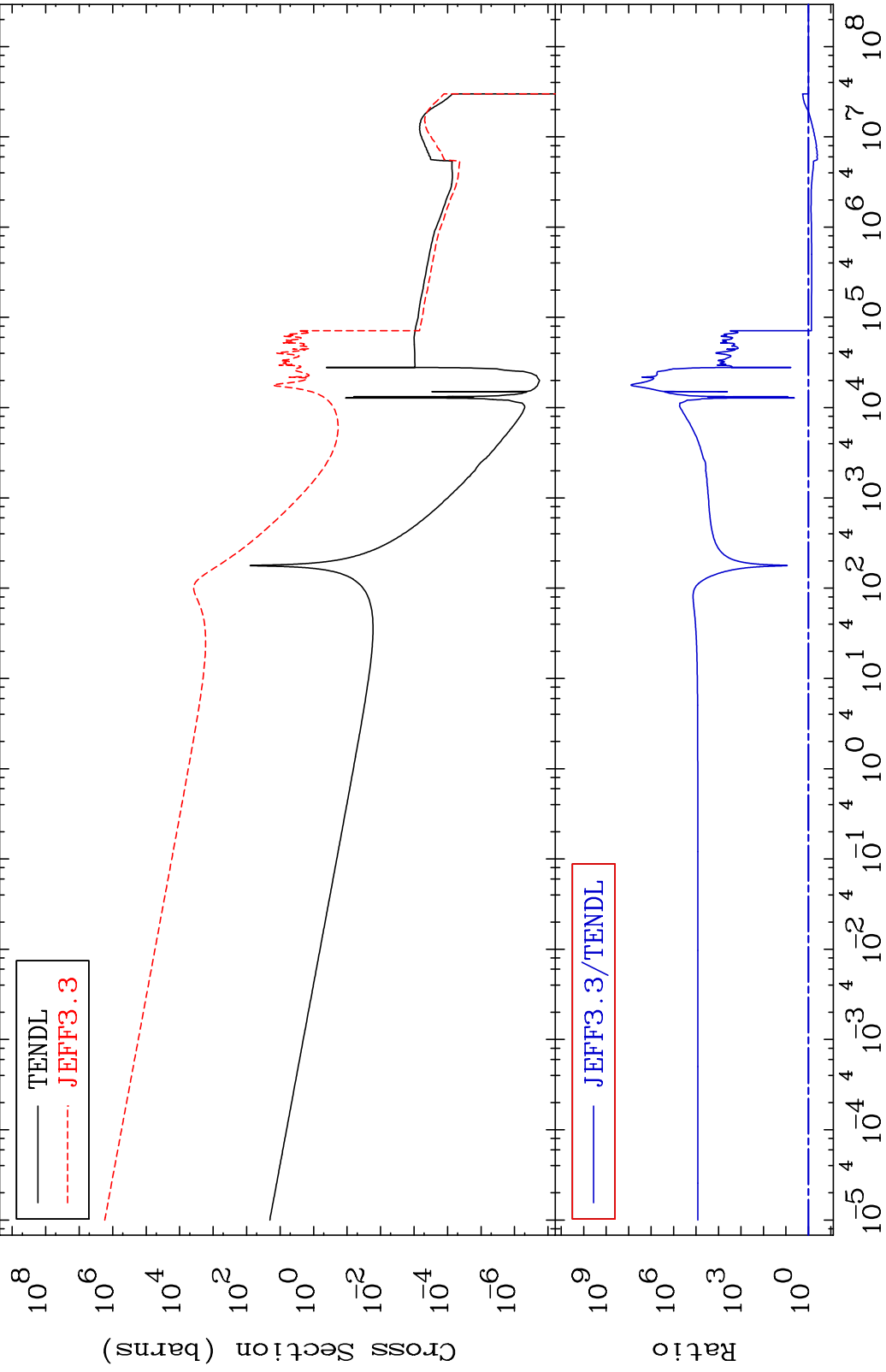
Incident Energy (eV)

11-Na-22

MAT 1122

(n, γ)
Cross Section

11-Na-22
-60.03 To 9999. %



43

Incident Energy (eV)

11-Na-22

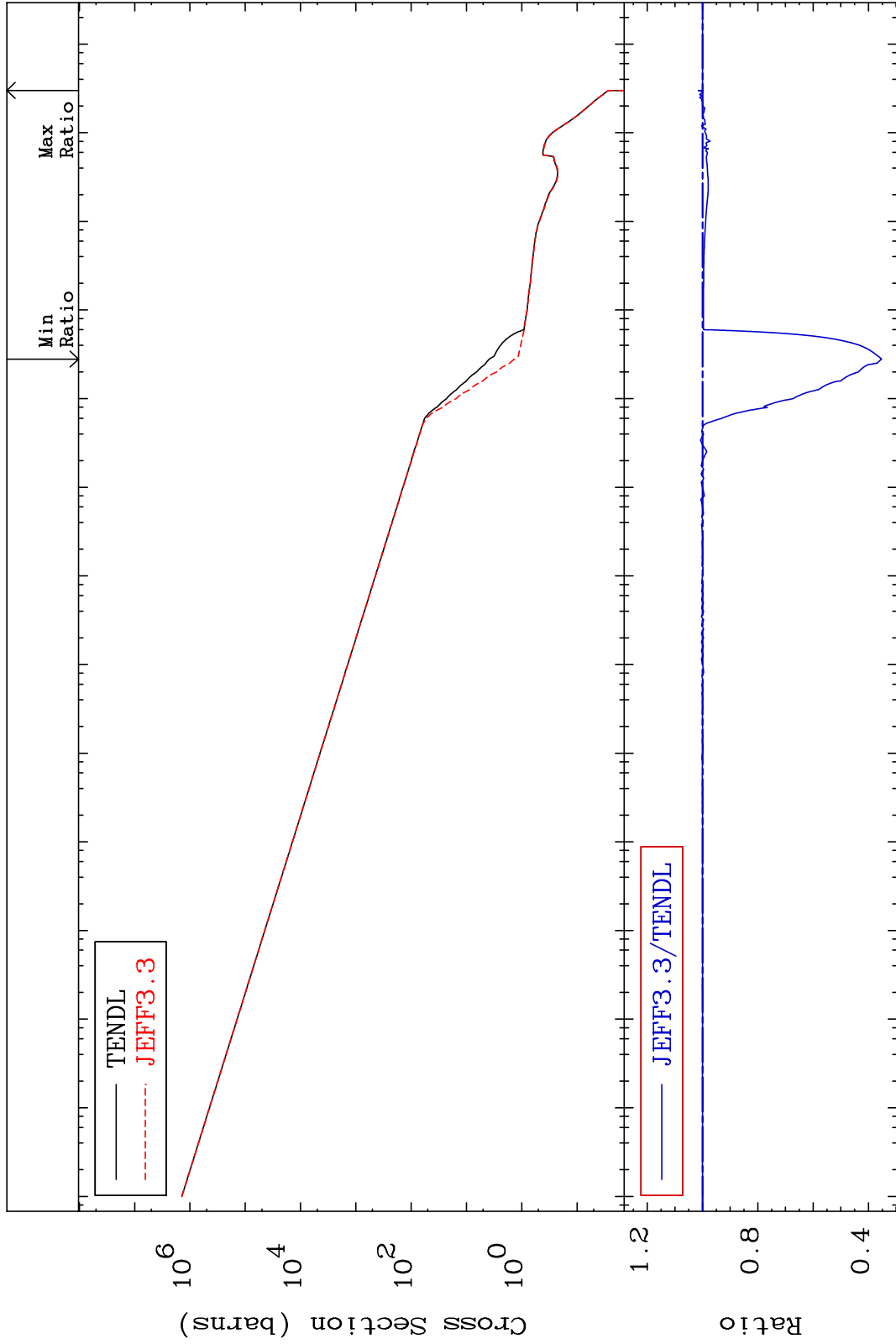
MAT 1122

(n,p)

11-Na-22

Cross Section

-64.73 To 1.514 %



Incident Energy (eV)

44

11-Na-22

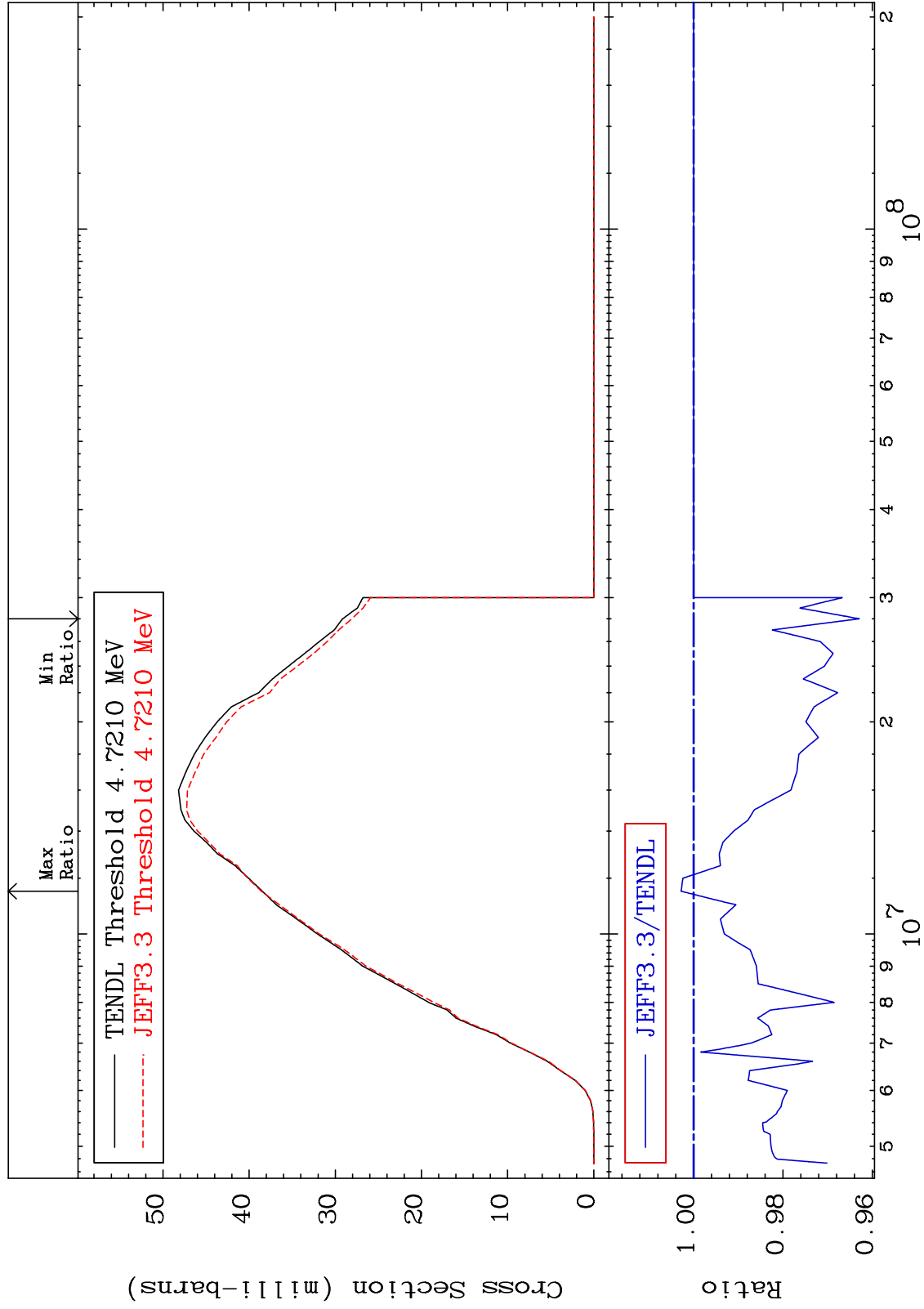
MAT 1122

(n, d)

11-Na-22

Cross Section

-3.708 To 0.279 %



45

Incident Energy (eV)

11-Na-22

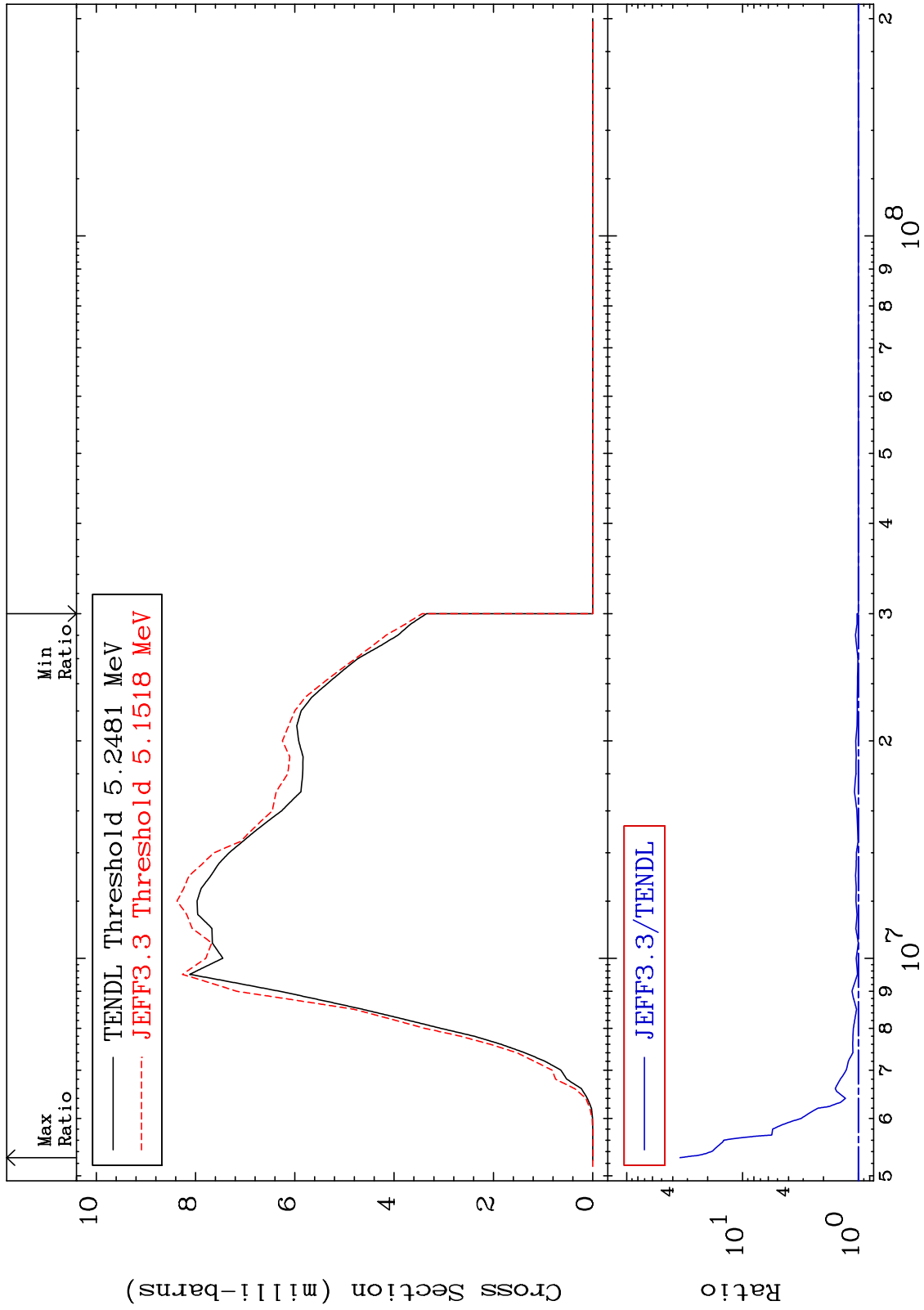
MAT 1122

(n, t)

11-Na-22

Cross Section

0.000 To 3367. %



46

11-Na-22

11-Na-22

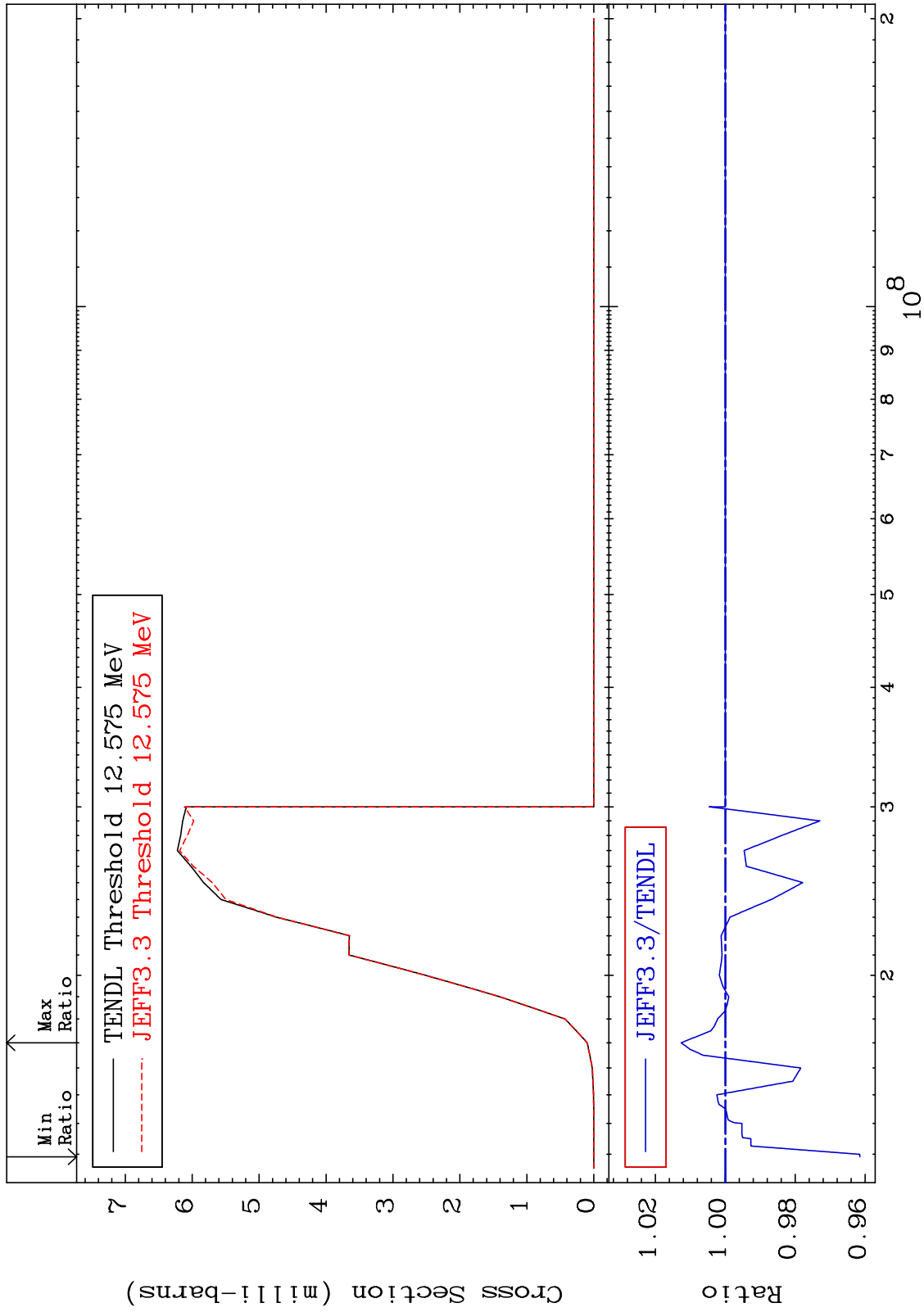
MAT 1122

(n, He-3)

11-Na-22

Cross Section

-3.850 To 1.263 %



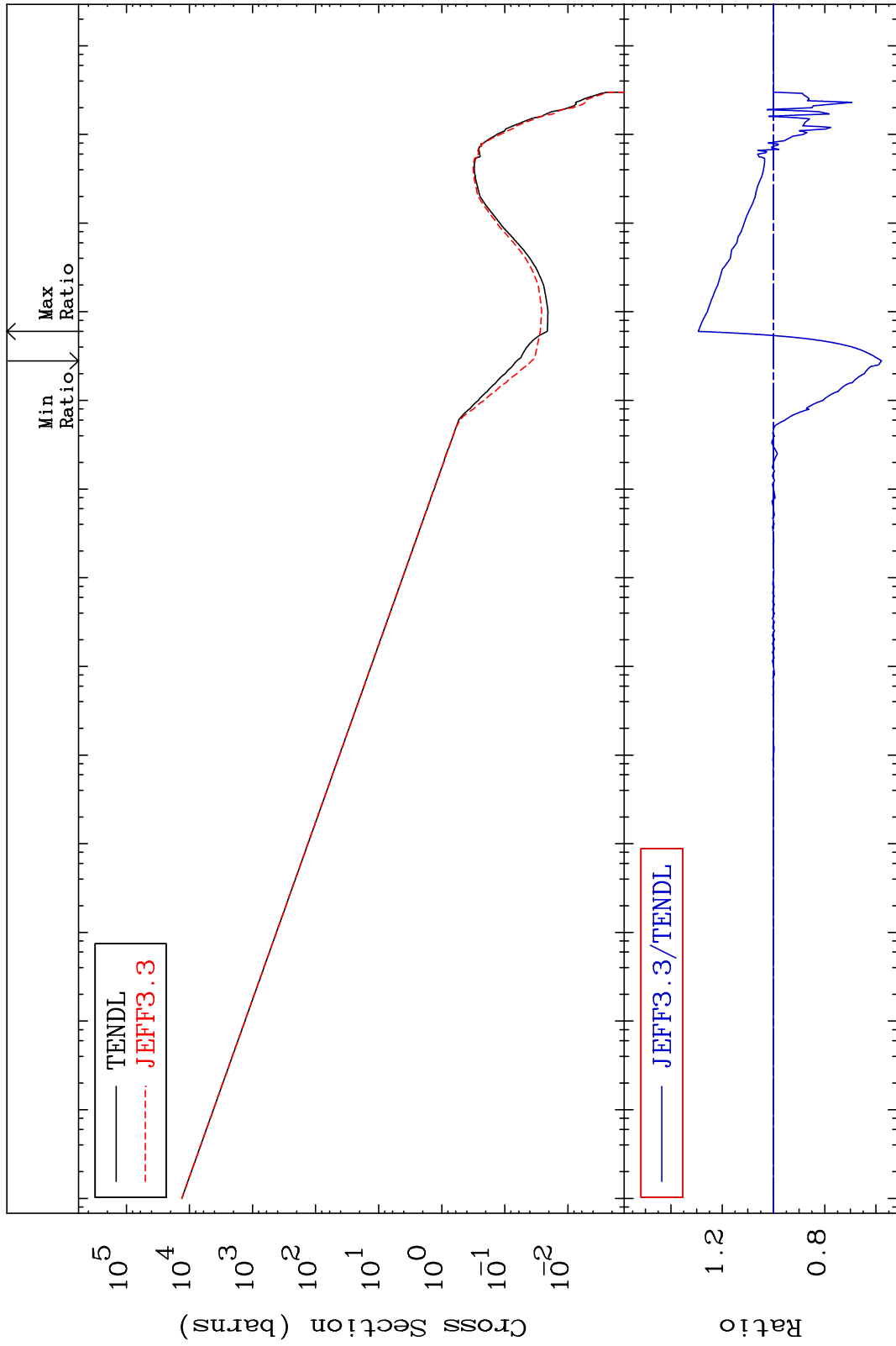
MAT 1122

(n, α)

11-Na-22

Cross Section

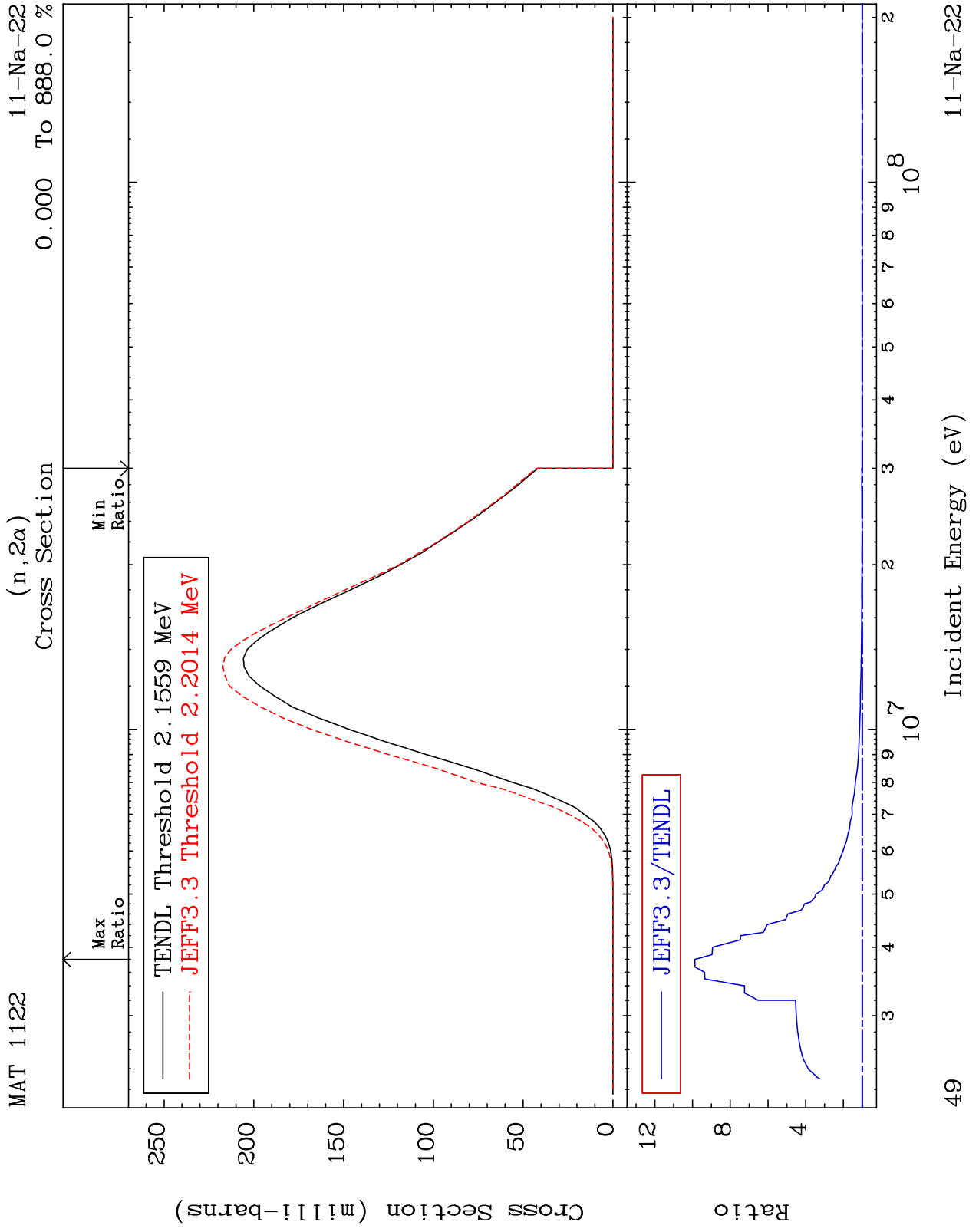
-42.17 To 29.32 %

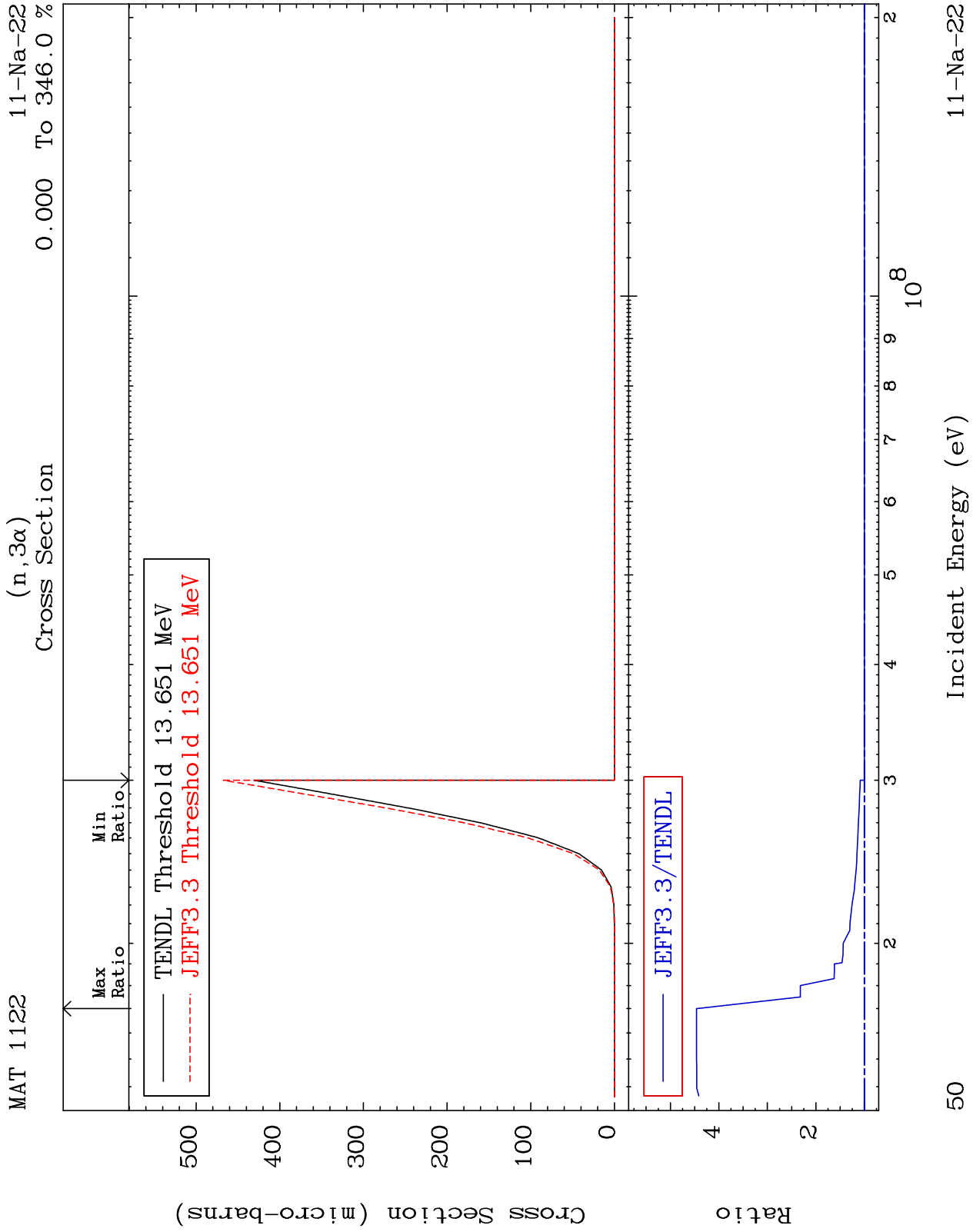


48

Incident Energy (eV)

11-Na-22





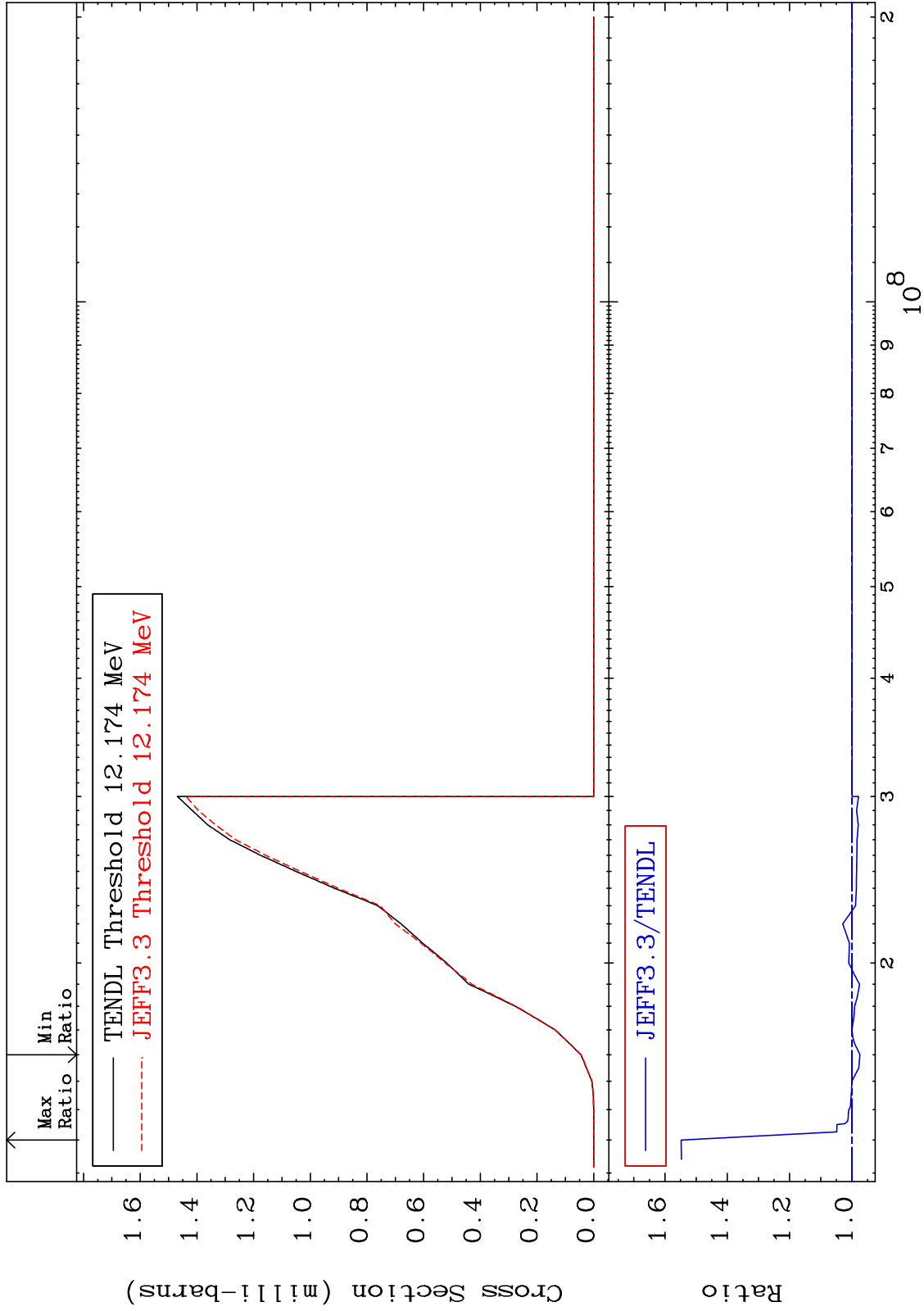
MAT 1122

(n,2p)

11-Na-22

Cross Section

-2.574 To 54.79 %



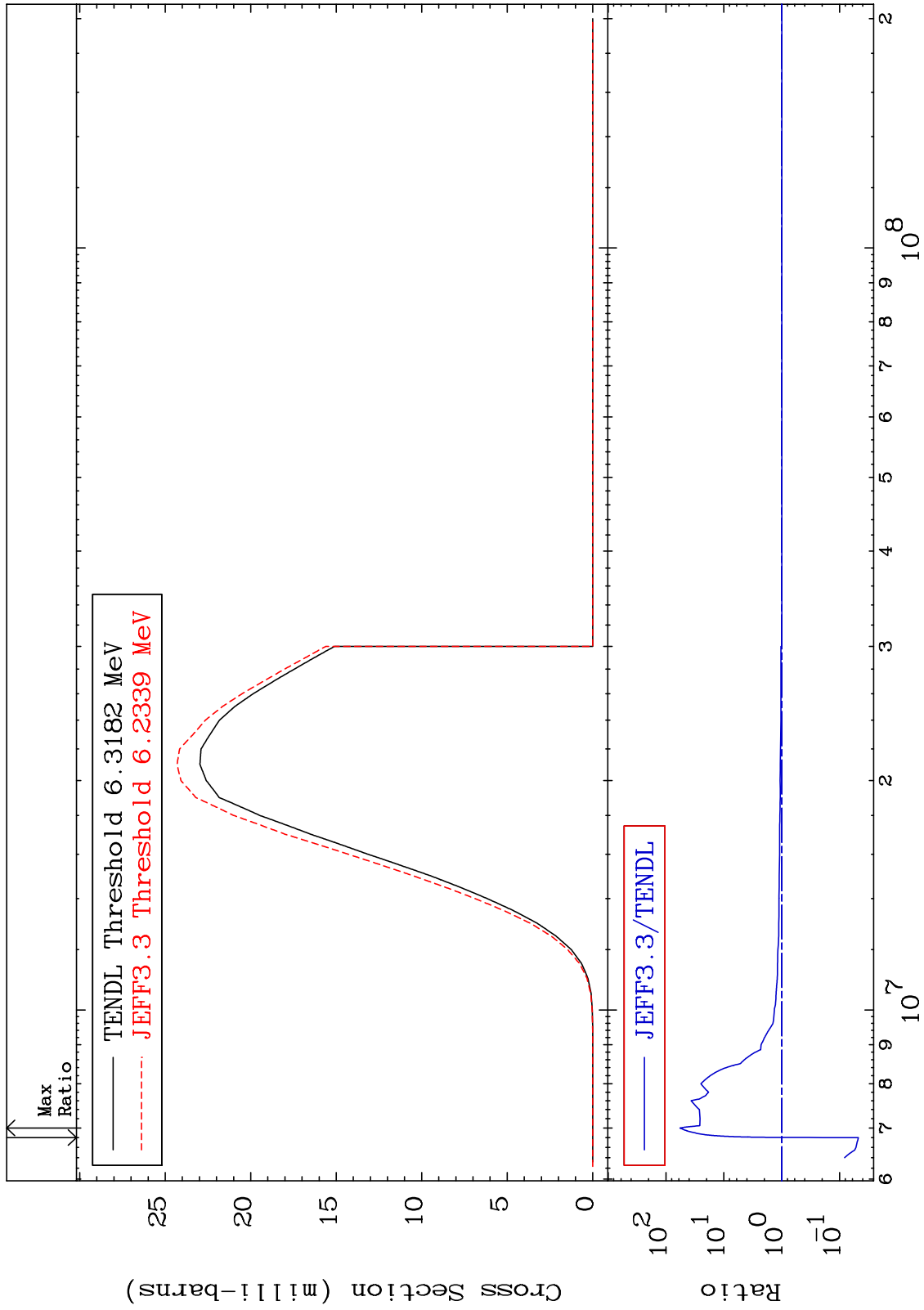
MAT 1122

(n,p) α

11-Na-22

Cross Section

-95.26 To 5627. %



MAT 1122

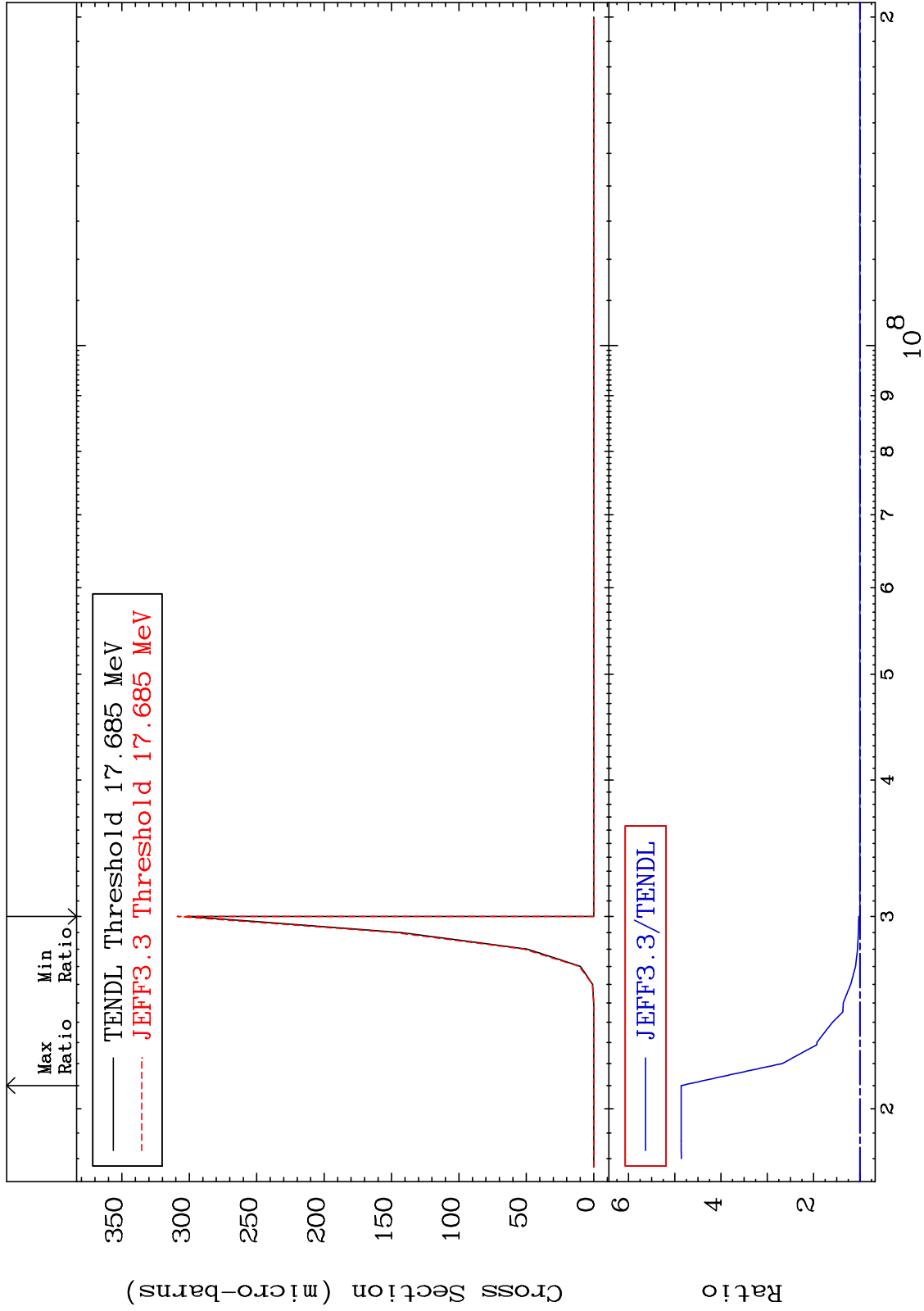
(n, t) 2α

11-Na-22

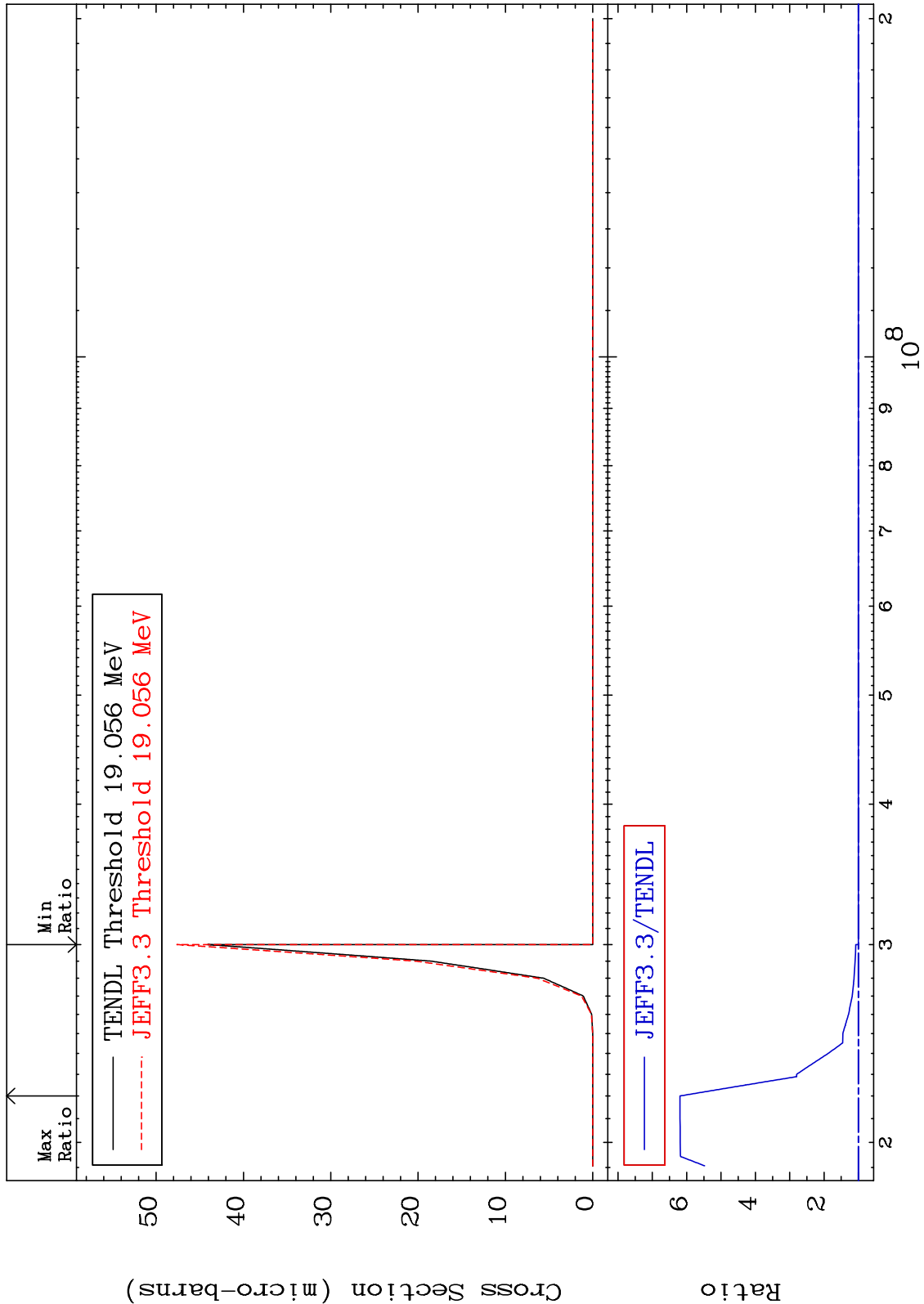
Cross Section

0.000

To 386.0 %



MAT 1122 (n,d) 2α 11-Na-22
 Cross Section 0.000 To 519.4 %



11-Na-22

Incident Energy (eV)

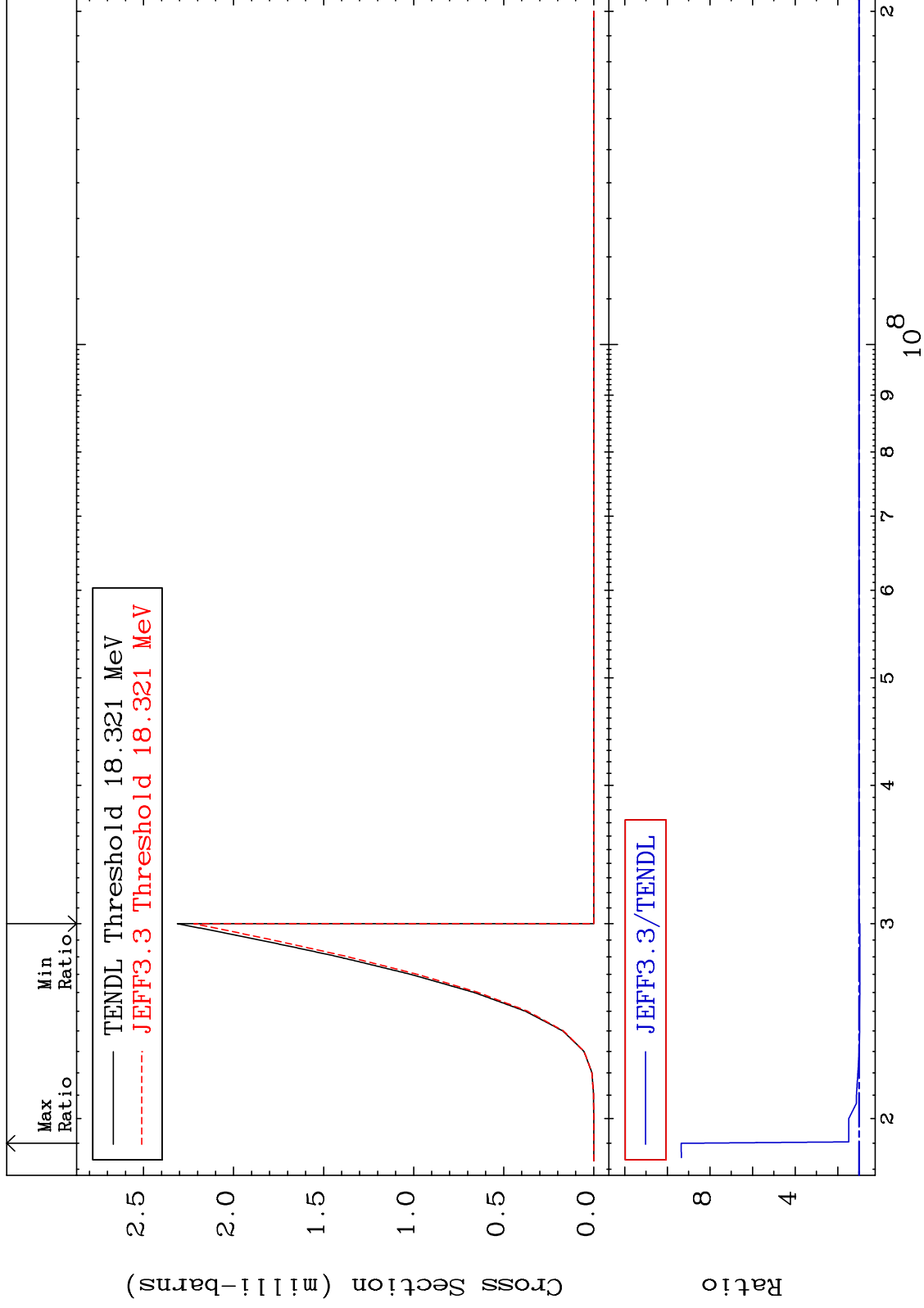
MAT 1122

(n,p) d

11-Na-22

Cross Section

-3.958 To 834.7 %



55

Incident Energy (eV)

11-Na-22

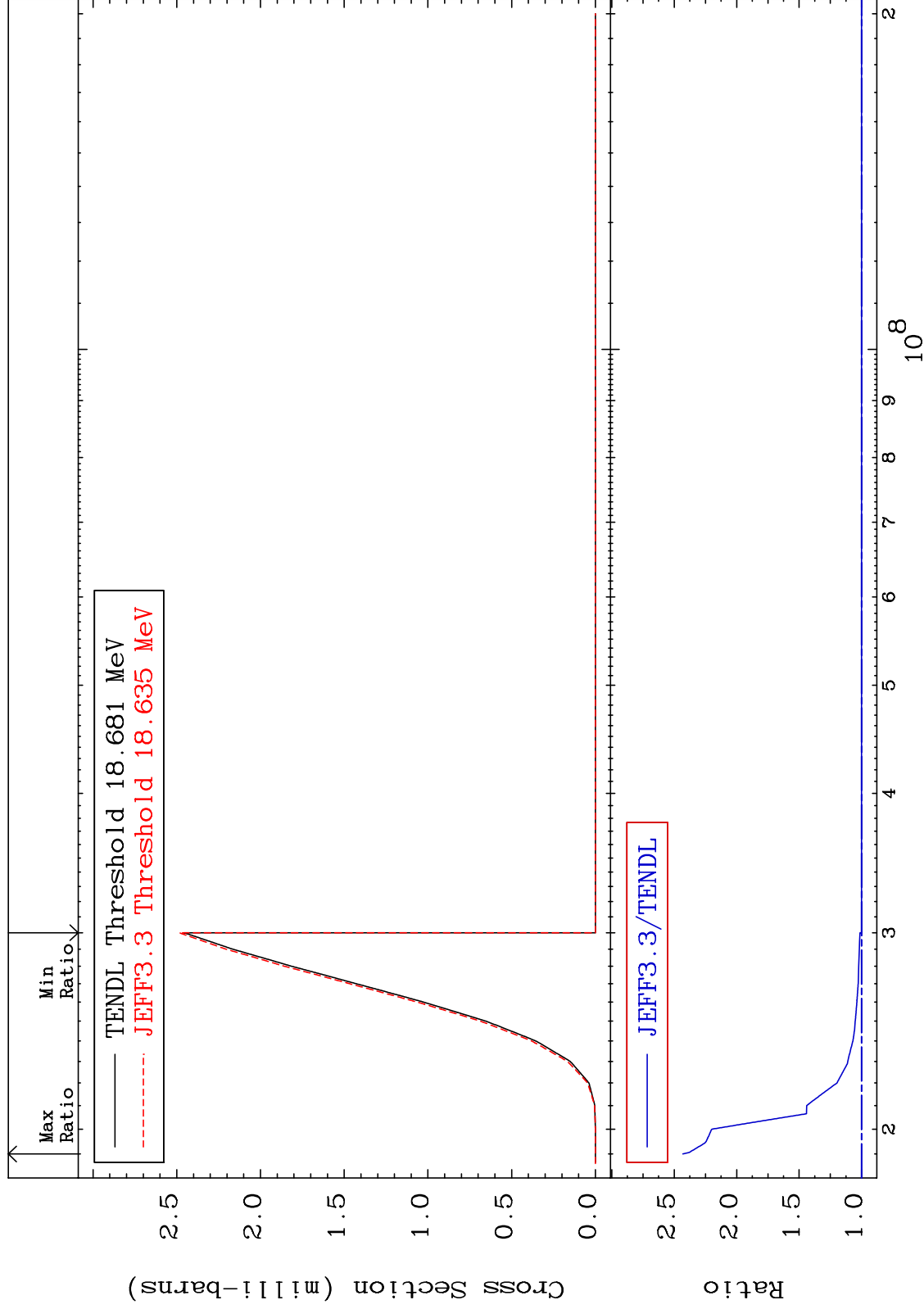
MAT 1122

(n,p) t

11-Na-22

Cross Section

0.000 To 143.1 %



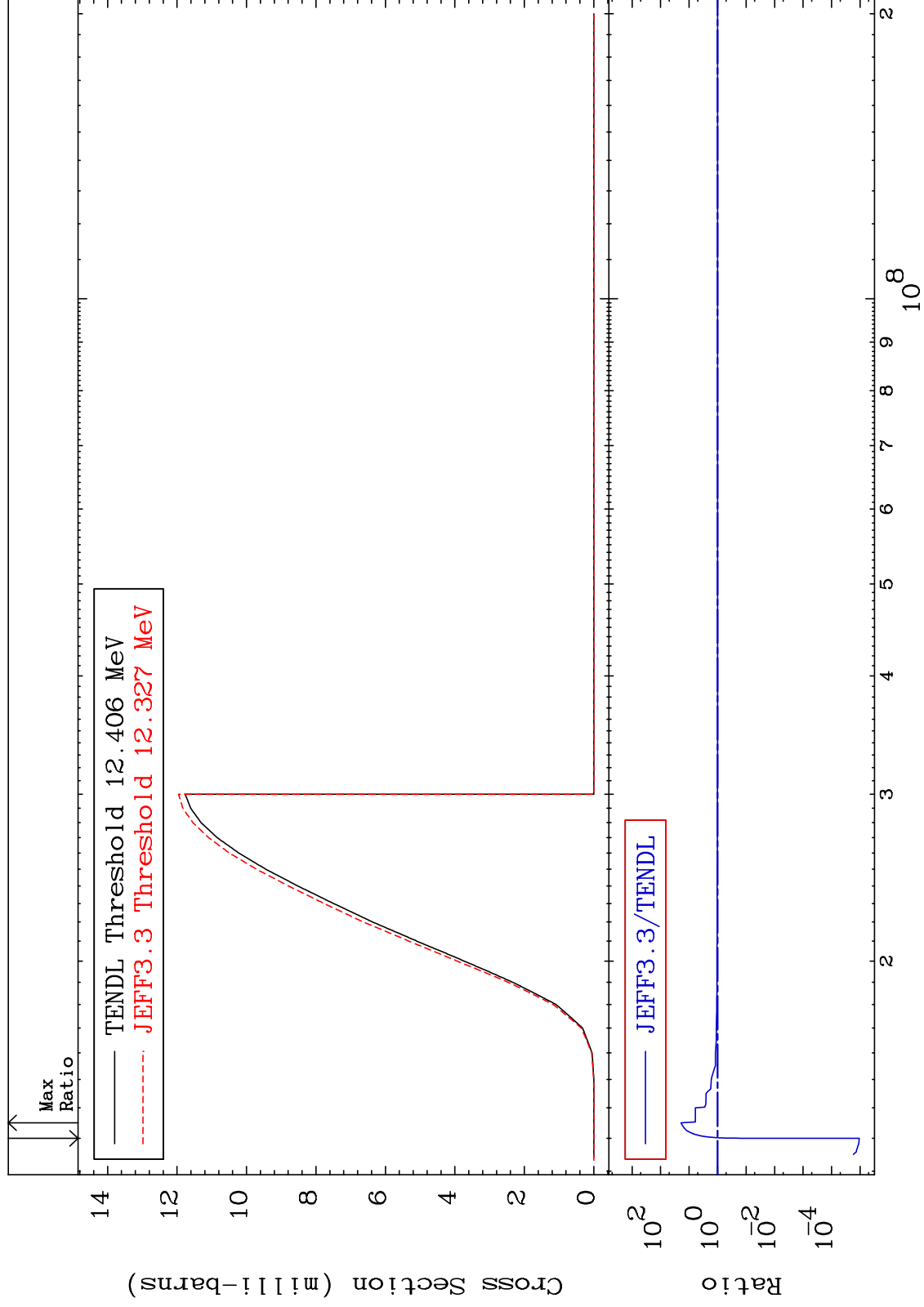
MAT 1122

(n,d) α

Cross Section

11-Na-22

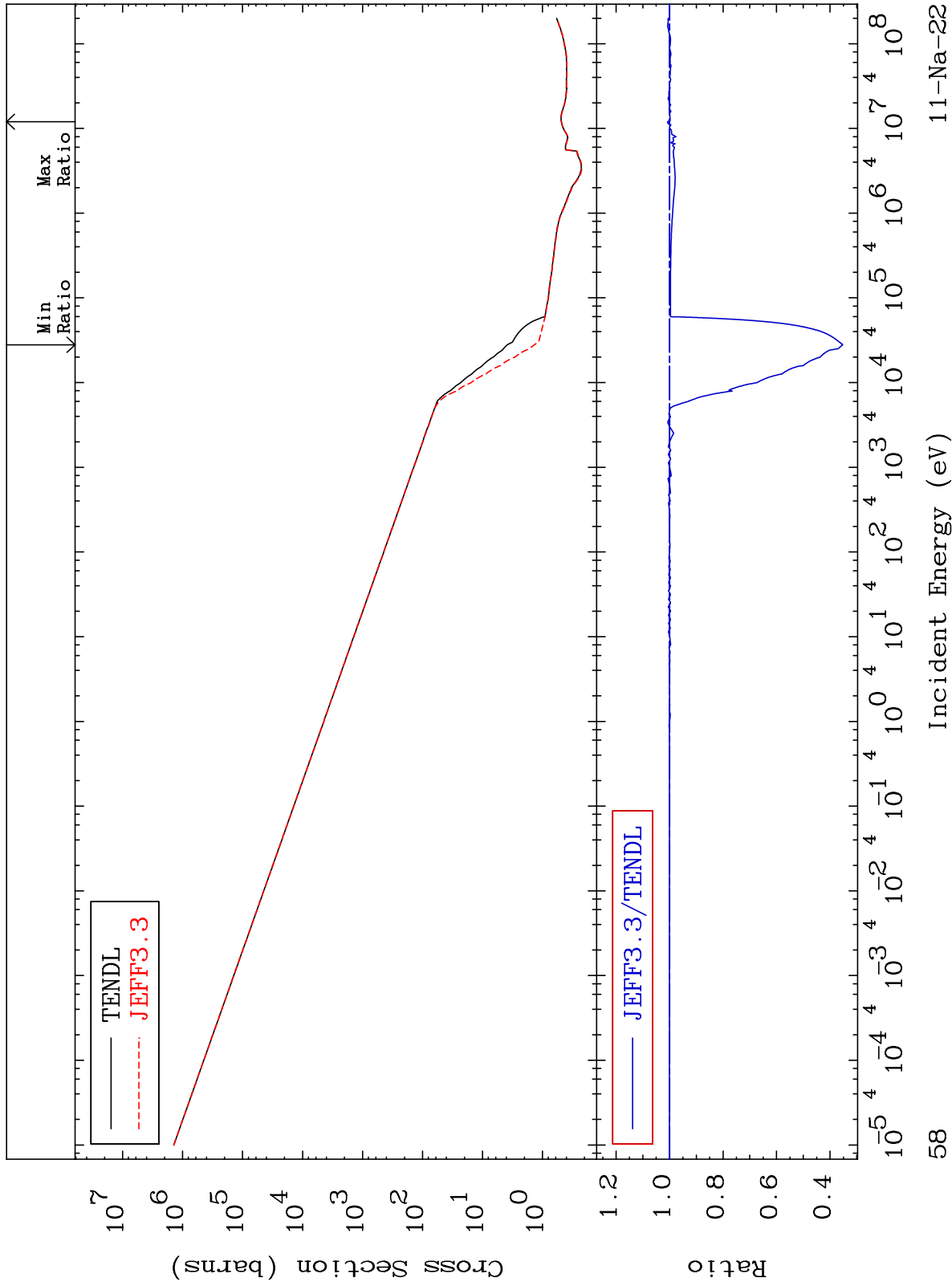
-100.0 To 1816. %



MAT 1122

Hydrogen Production Cross Section

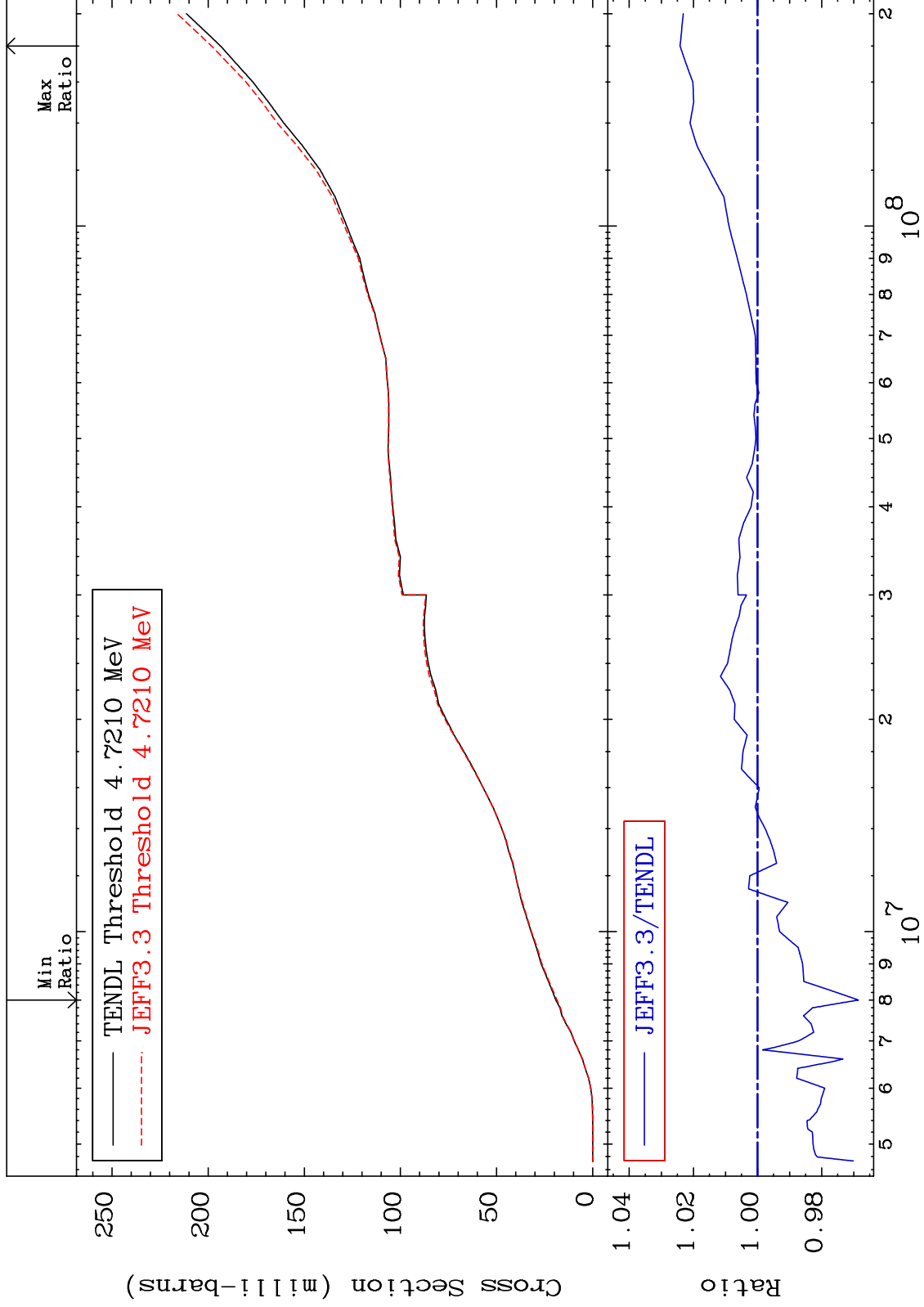
11-Na-22
-64.73 To 0.758 %



MAT 1122

Deuterium Production
Cross Section

11-Na-22
-3.147 To 2.416 %



59

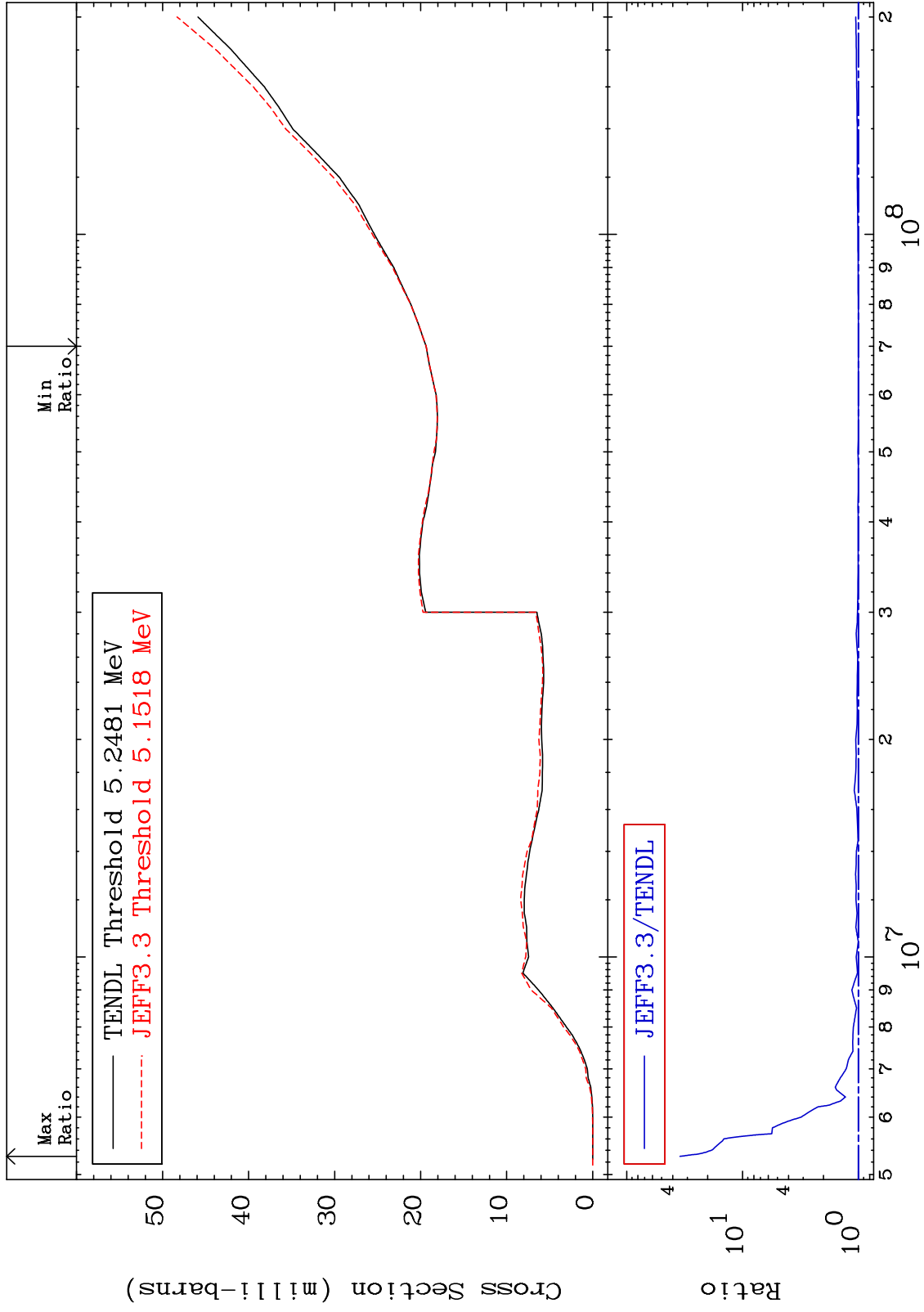
Incident Energy (eV)

11-Na-22

MAT 1122

Tritium Production
Cross Section

11-Na-22
-0.048 To 3367. %



60

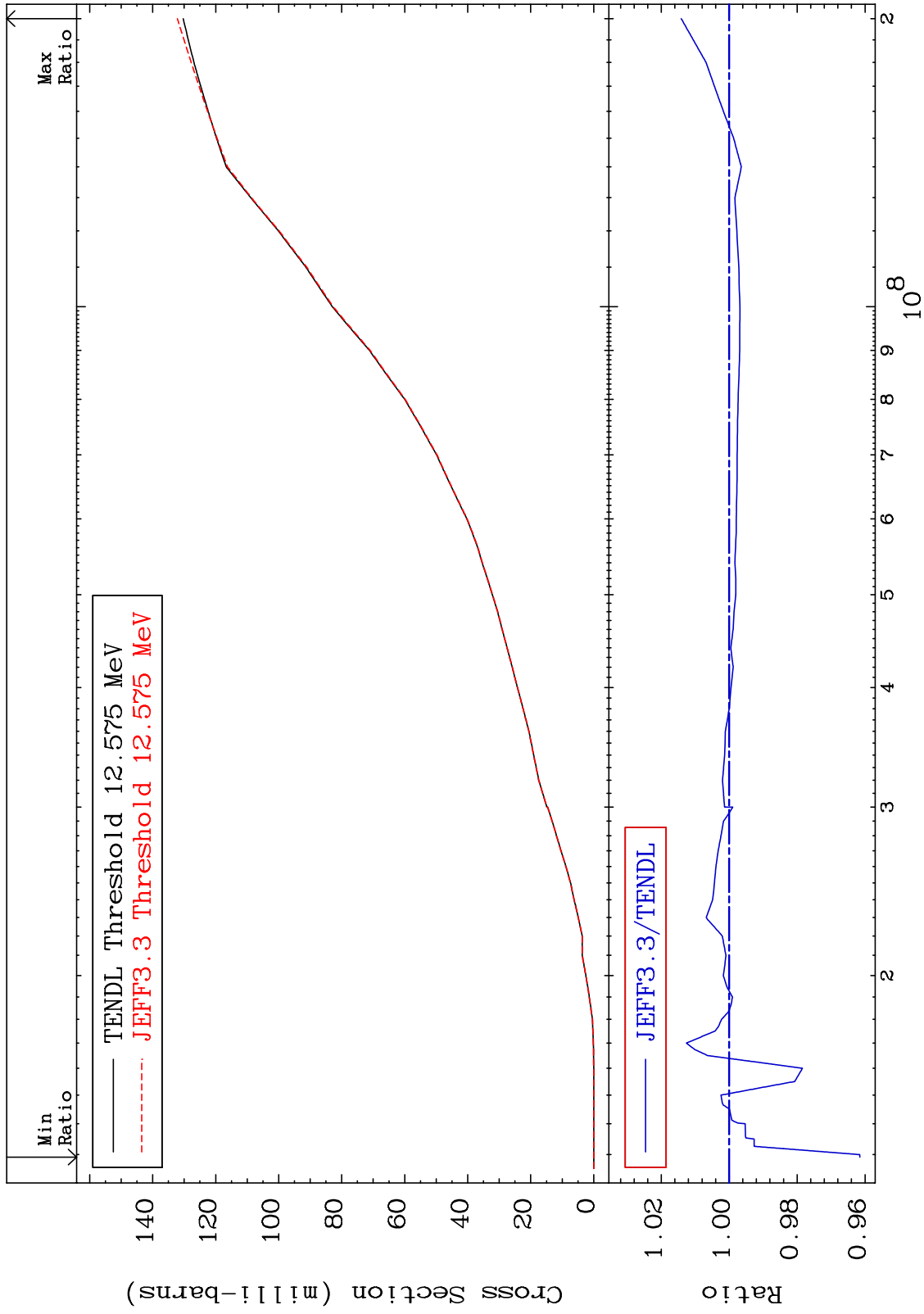
Incident Energy (eV)

11-Na-22

MAT 1122

He-3 Production
Cross Section

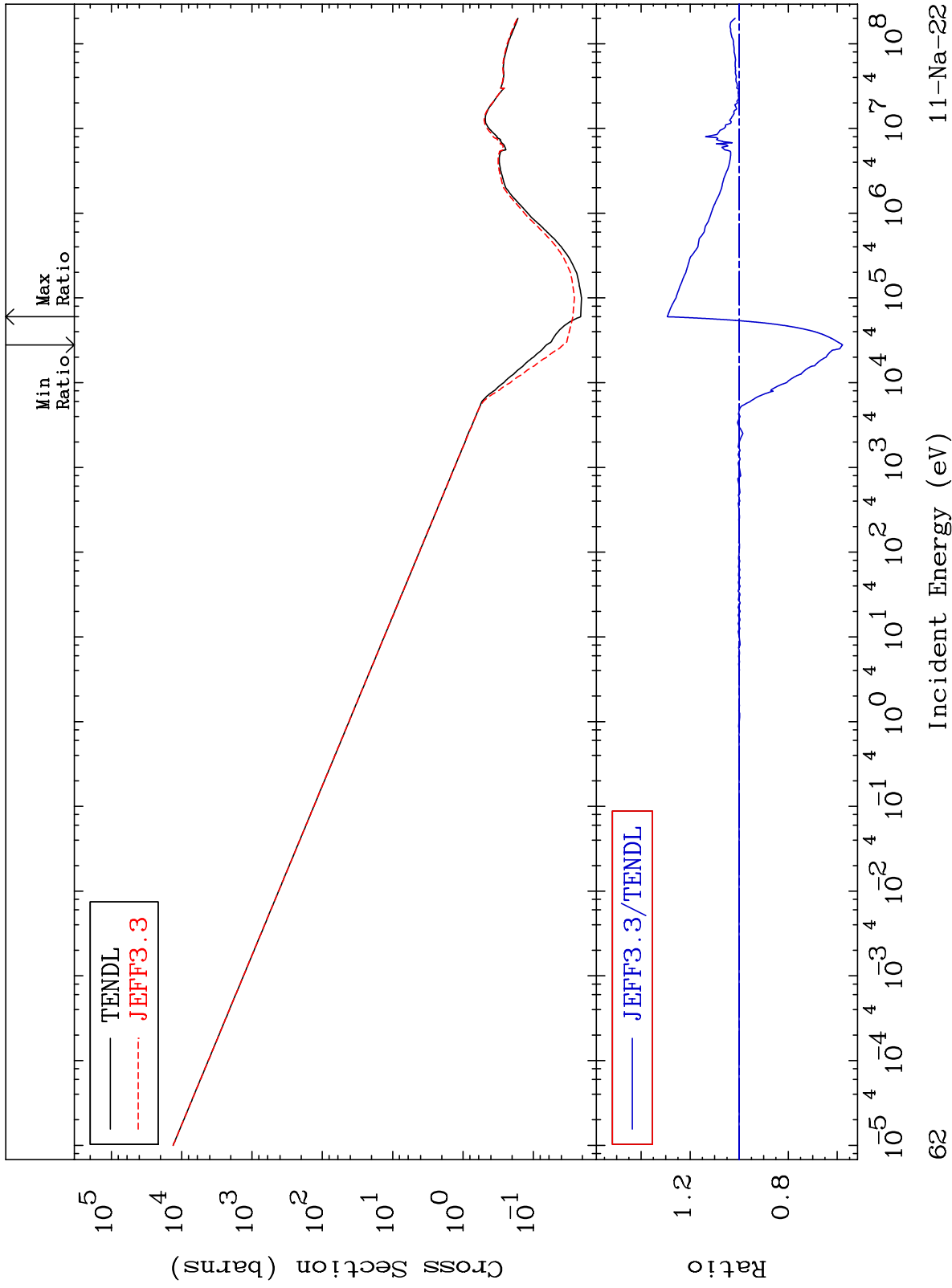
11-Na-22
-3.850 To 1.413 %



MAT 1122

He-4 Production
Cross Section

11-Na-22
-42.17 To 29.32 %



62

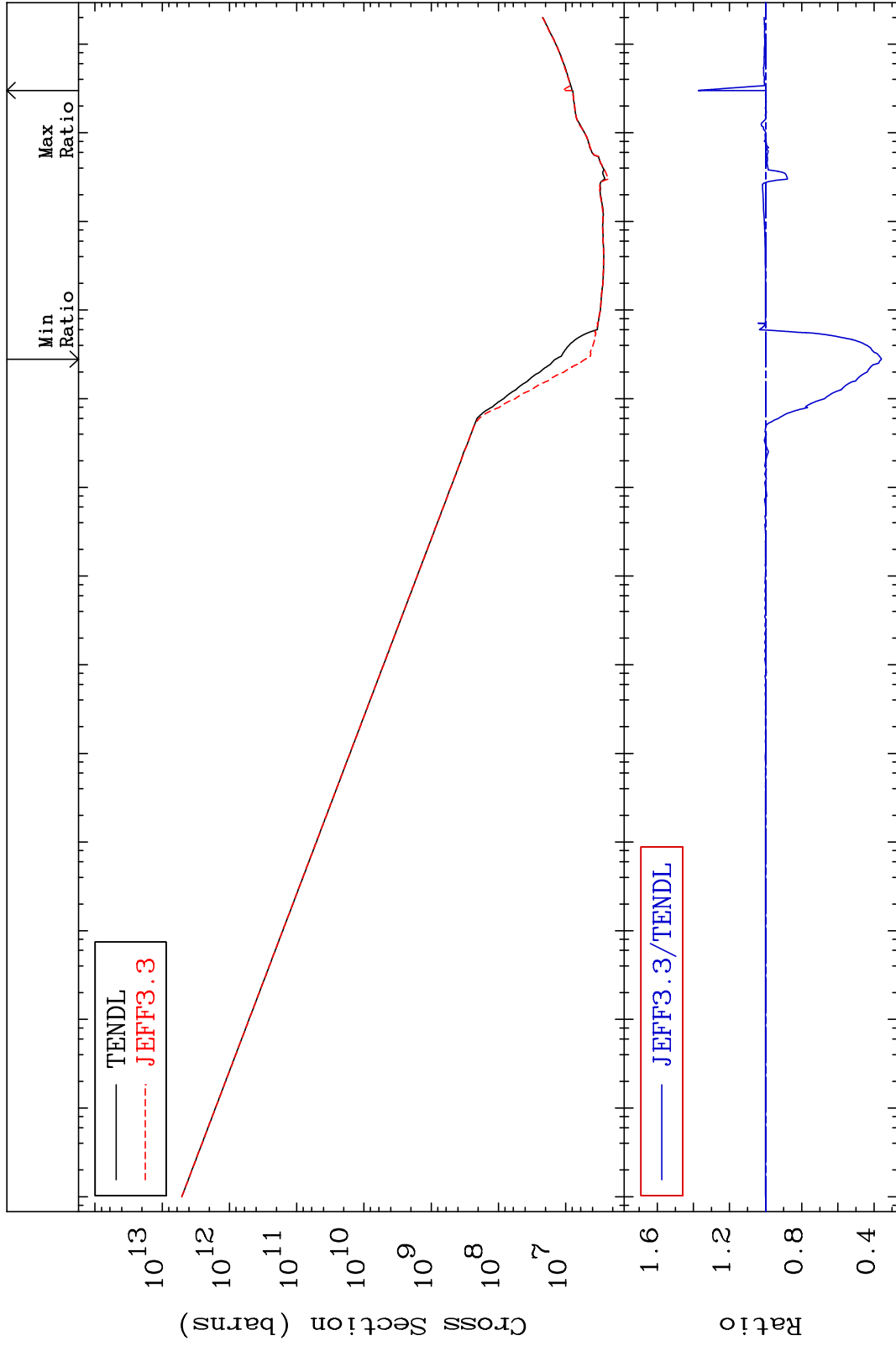
Incident Energy (eV)

11-Na-22

MAT 1122

Kerma total (eV-barns)
Cross Section

11-Na-22
-64.18 To 37.25 %



63

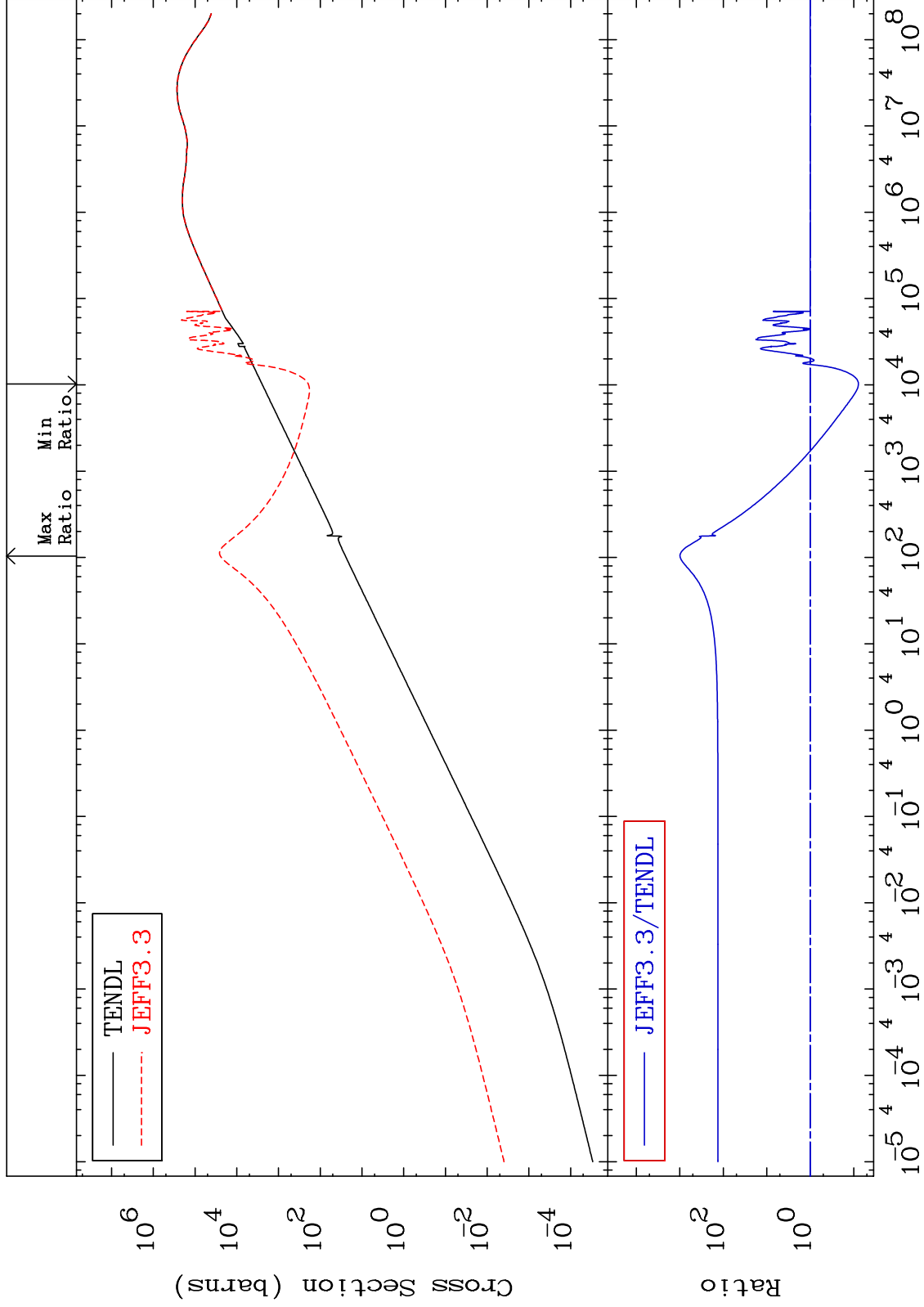
Incident Energy (eV)

11-Na-22

MAT 1122

Kerma elastic
Cross Section

11-Na-22
-92.19 To 9999. %



64

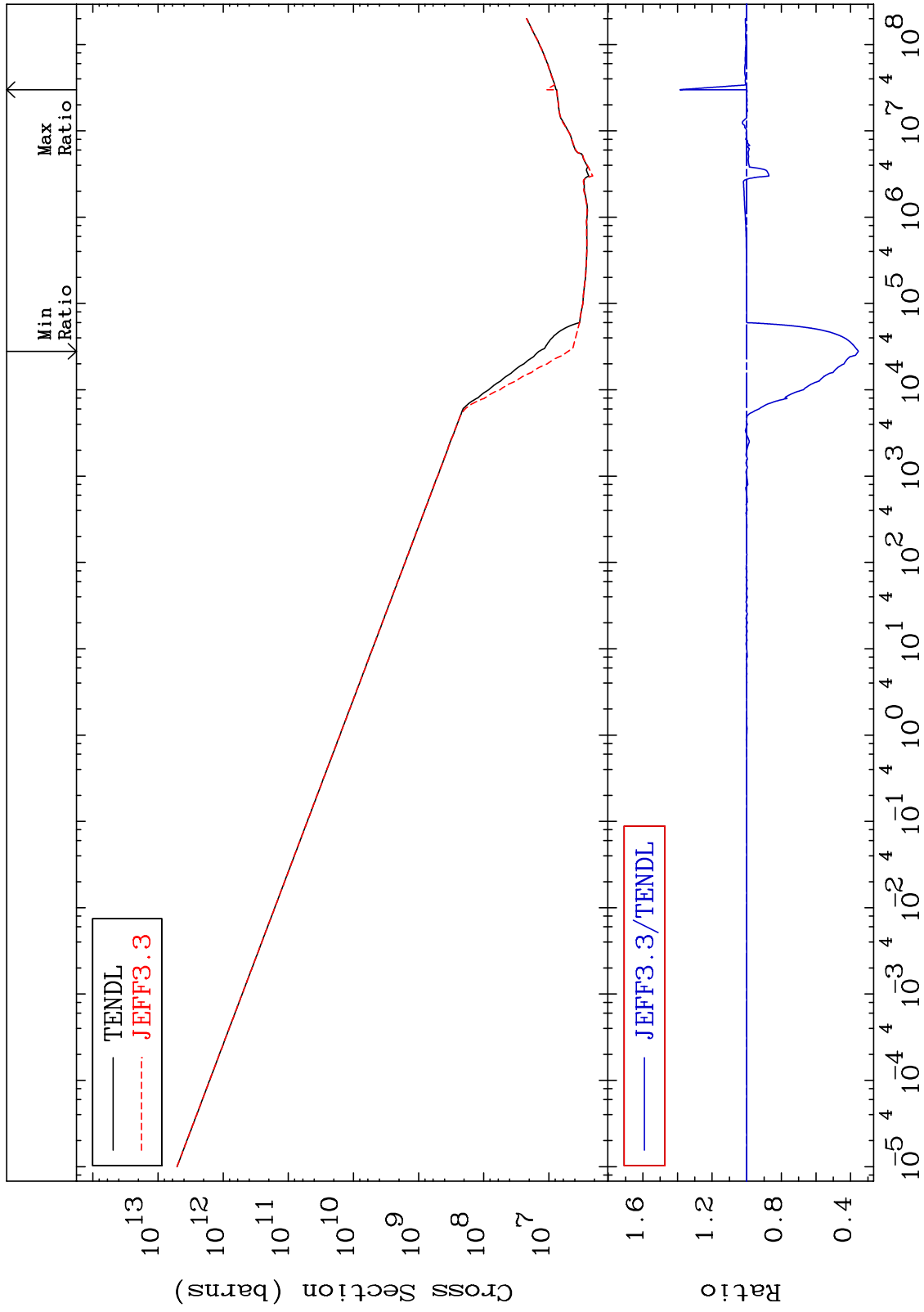
Incident Energy (eV)

11-Na-22

MAT 1122

Kerma non-elastic (all but mt2)
Cross Section

11-Na-22
-64.51 To 38.53 %



65

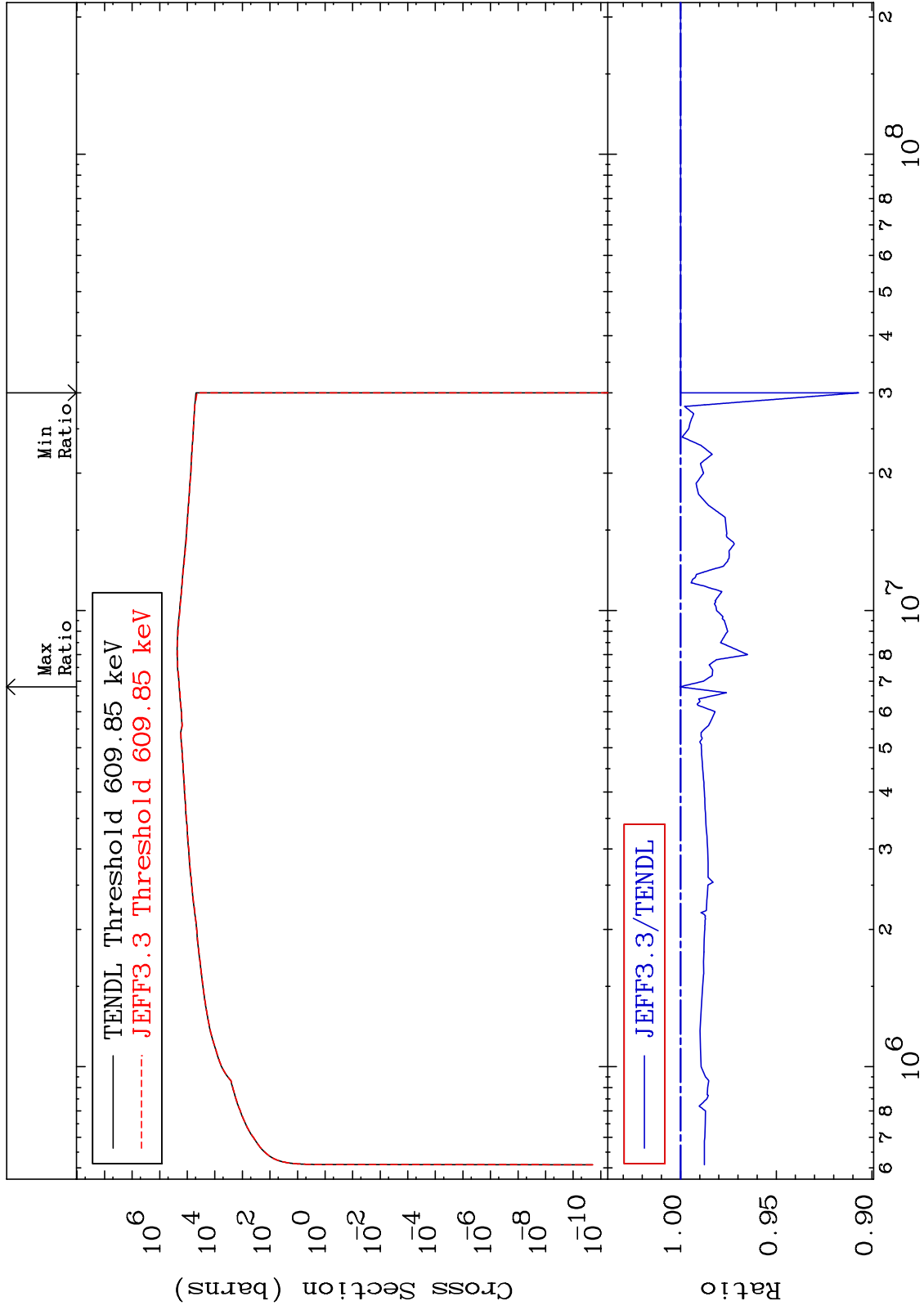
Incident Energy (eV)

11-Na-22

MAT 1122

Kerma inelastic (mt51-91)
Cross Section

11-Na-22
-9.292 To 0.028 %



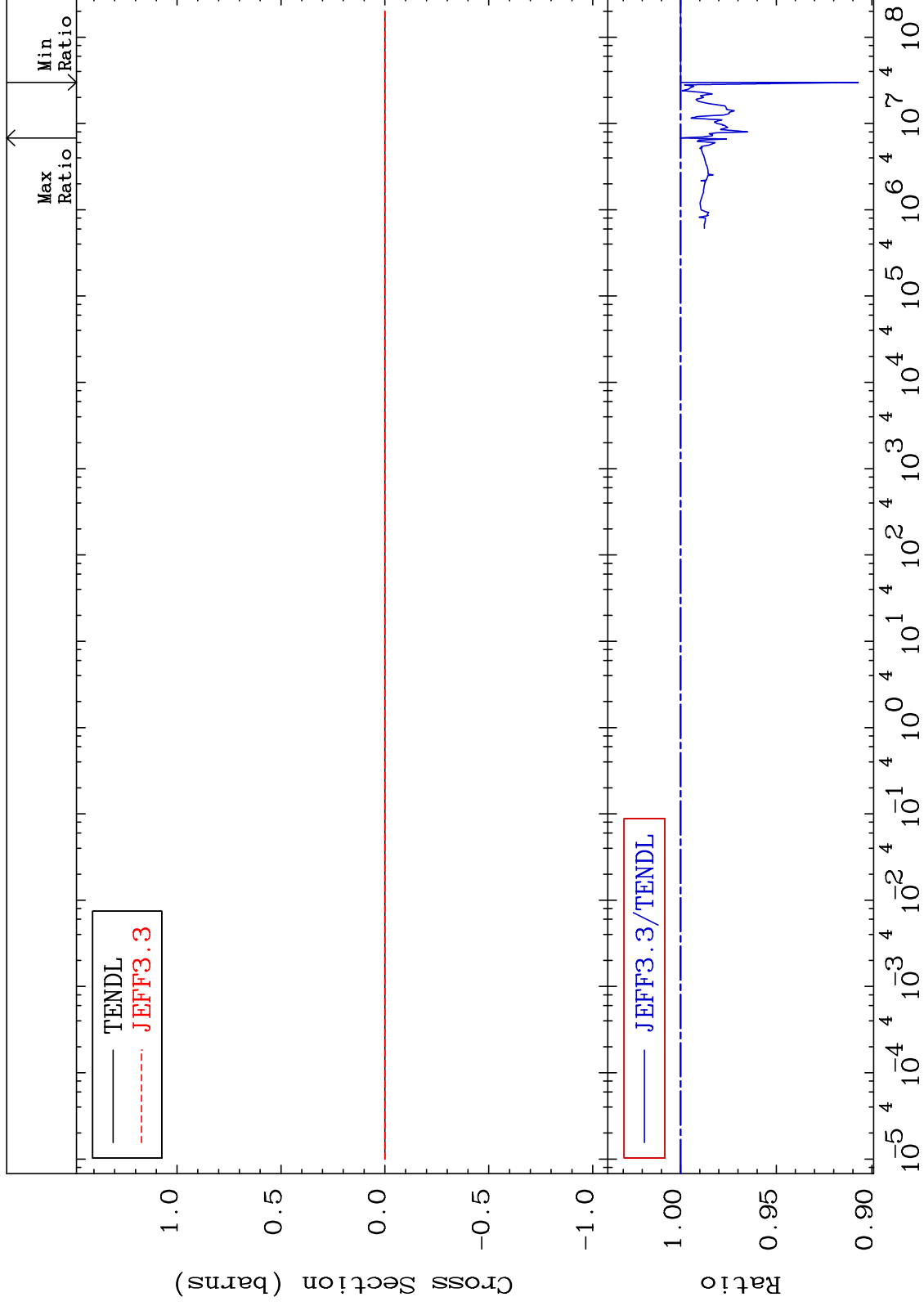
66

11-Na-22

MAT 1122

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

11-Na-22
-9.292 To 0.028 %



67

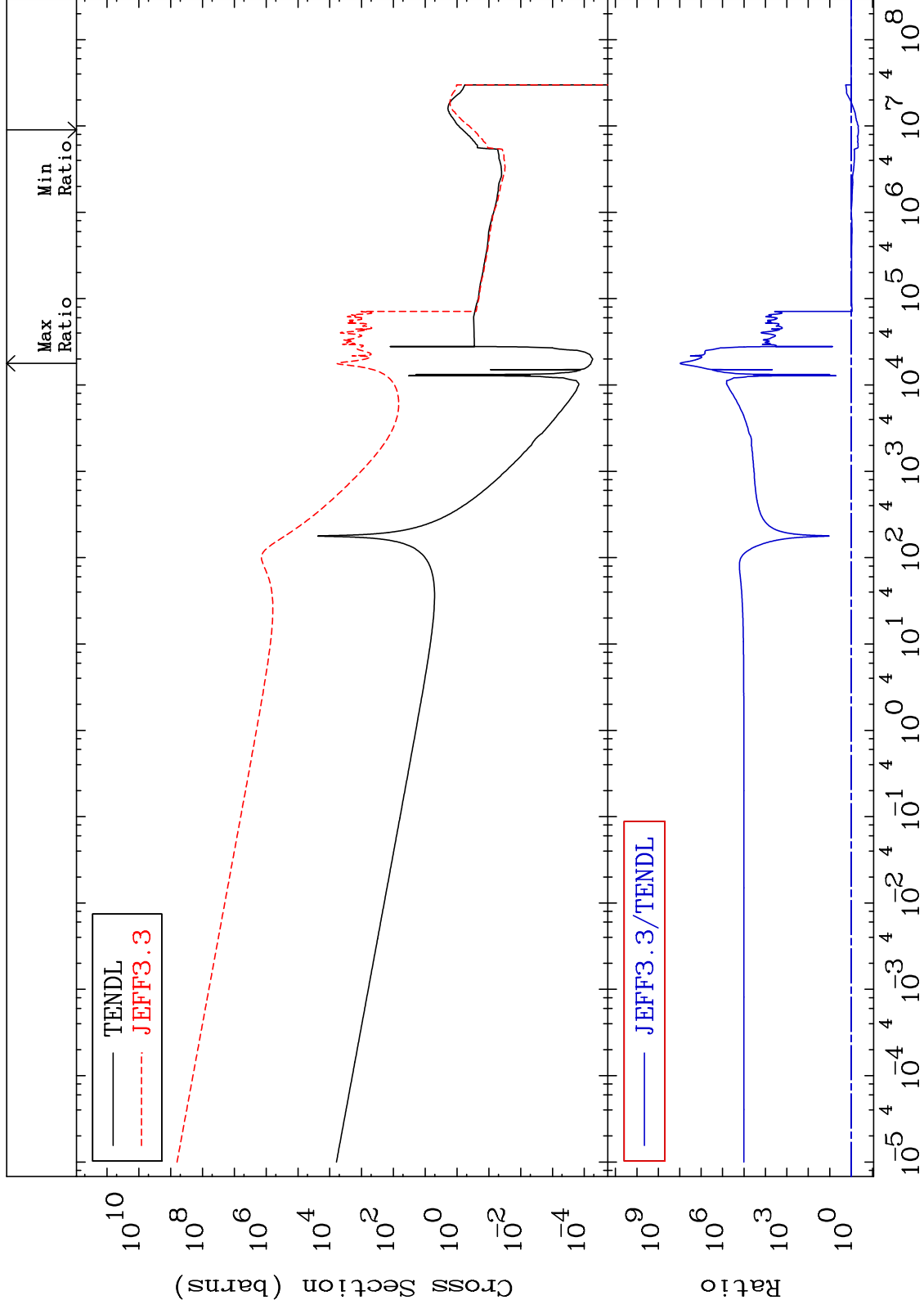
Incident Energy (eV)

11-Na-22

MAT 1122

Kerma capture (mt102)
Cross Section

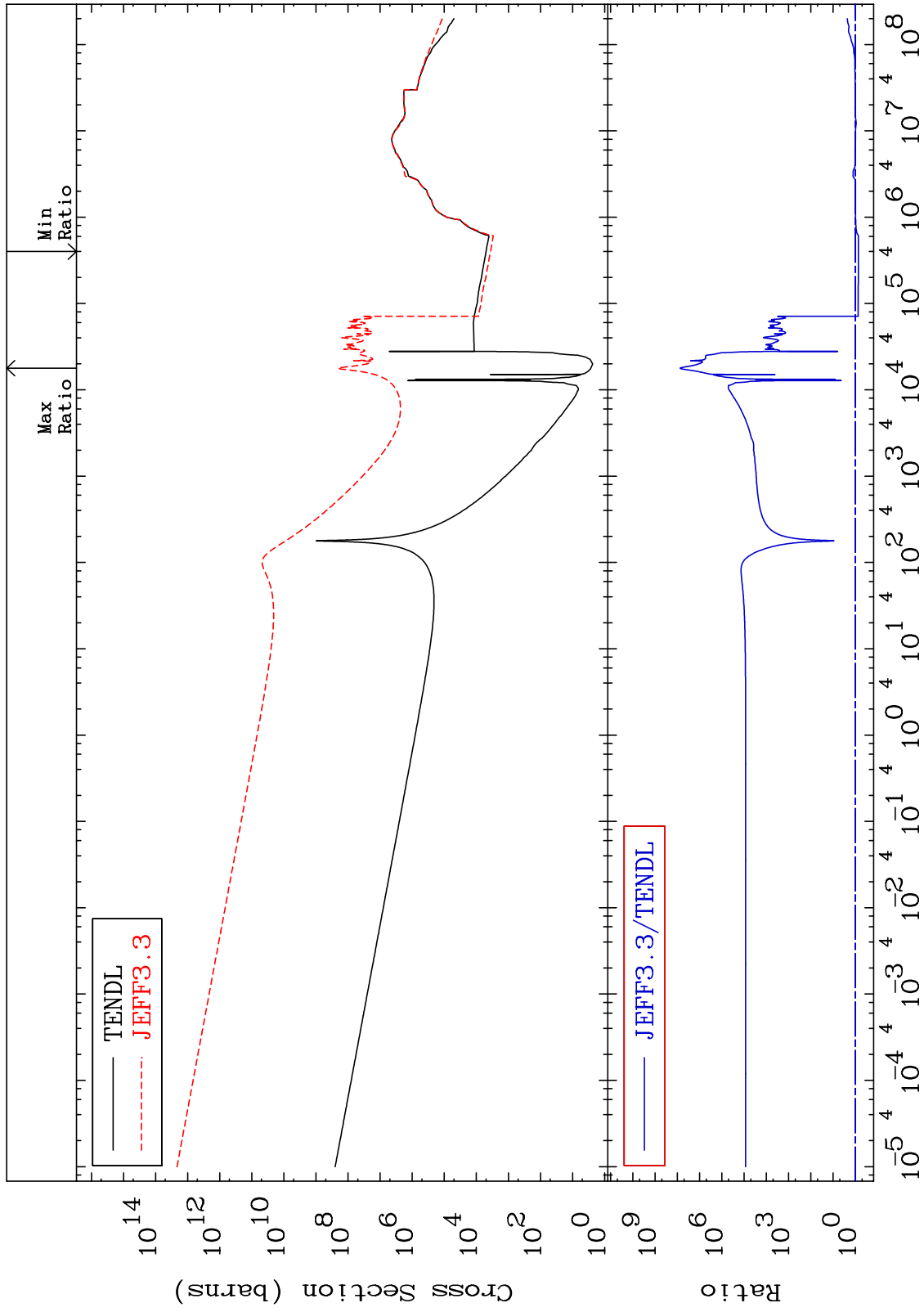
11-Na-22
-54.12 To 9999. %



MAT 1122

Total photon (eV-barns)
Cross Section

11-Na-22
-27.28 To 9999. %



69

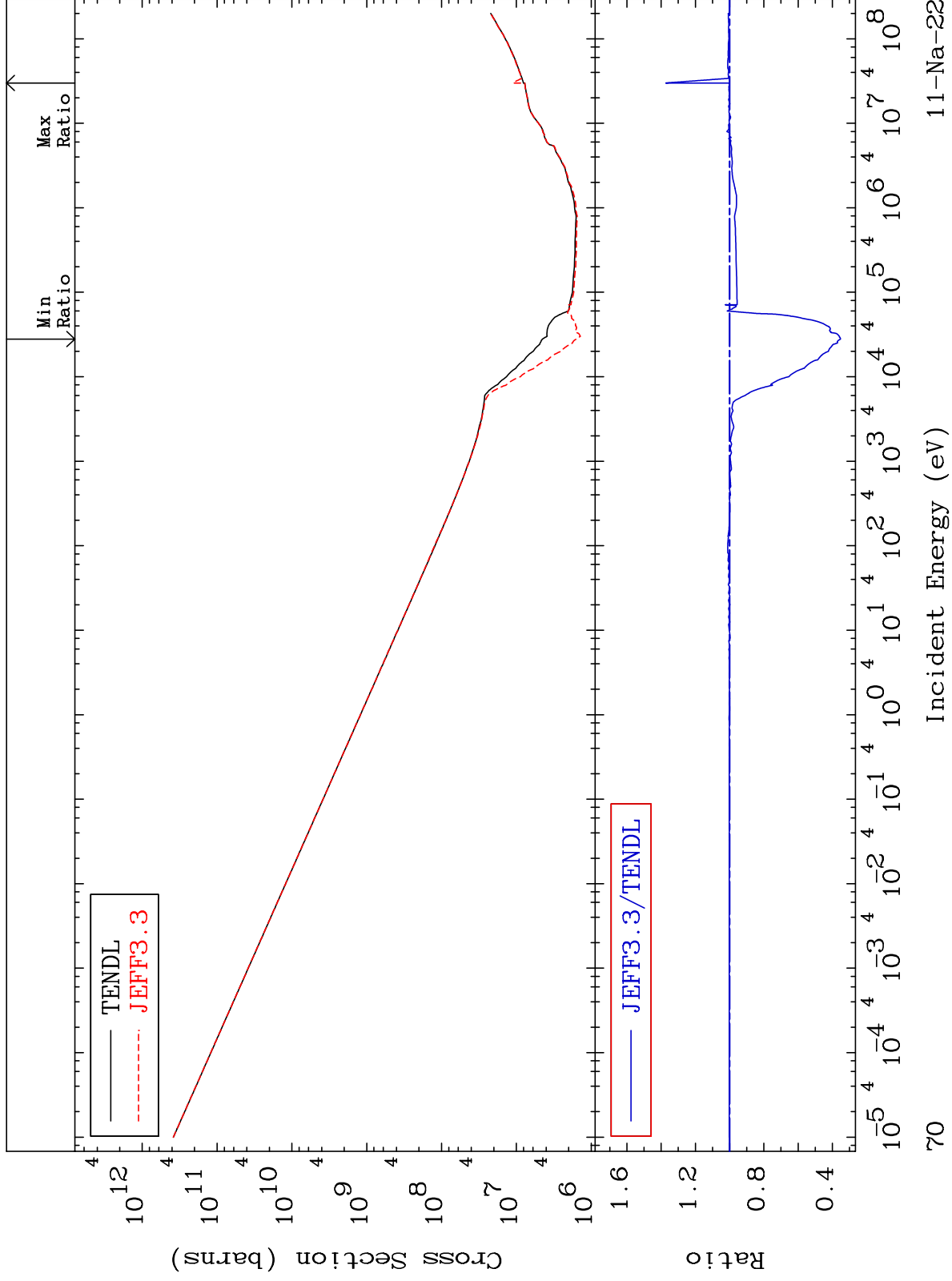
Incident Energy (eV)

11-Na-22

MAT 1122

Total kinematic kerma (high limit)
Cross Section

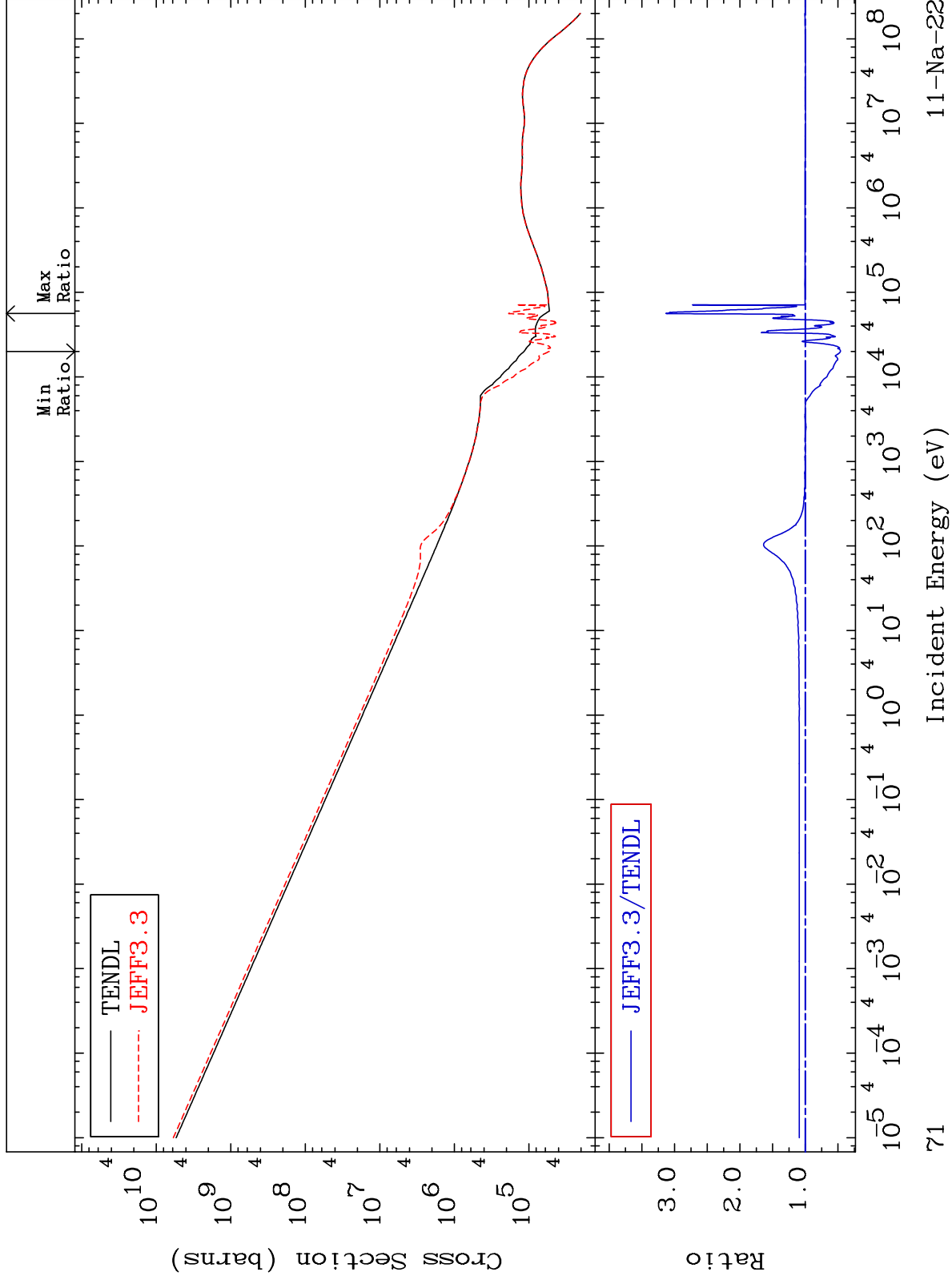
11-Na-22
-64.78 To 37.25 %



MAT 1122

Dpa total (eV-barns)
Cross Section

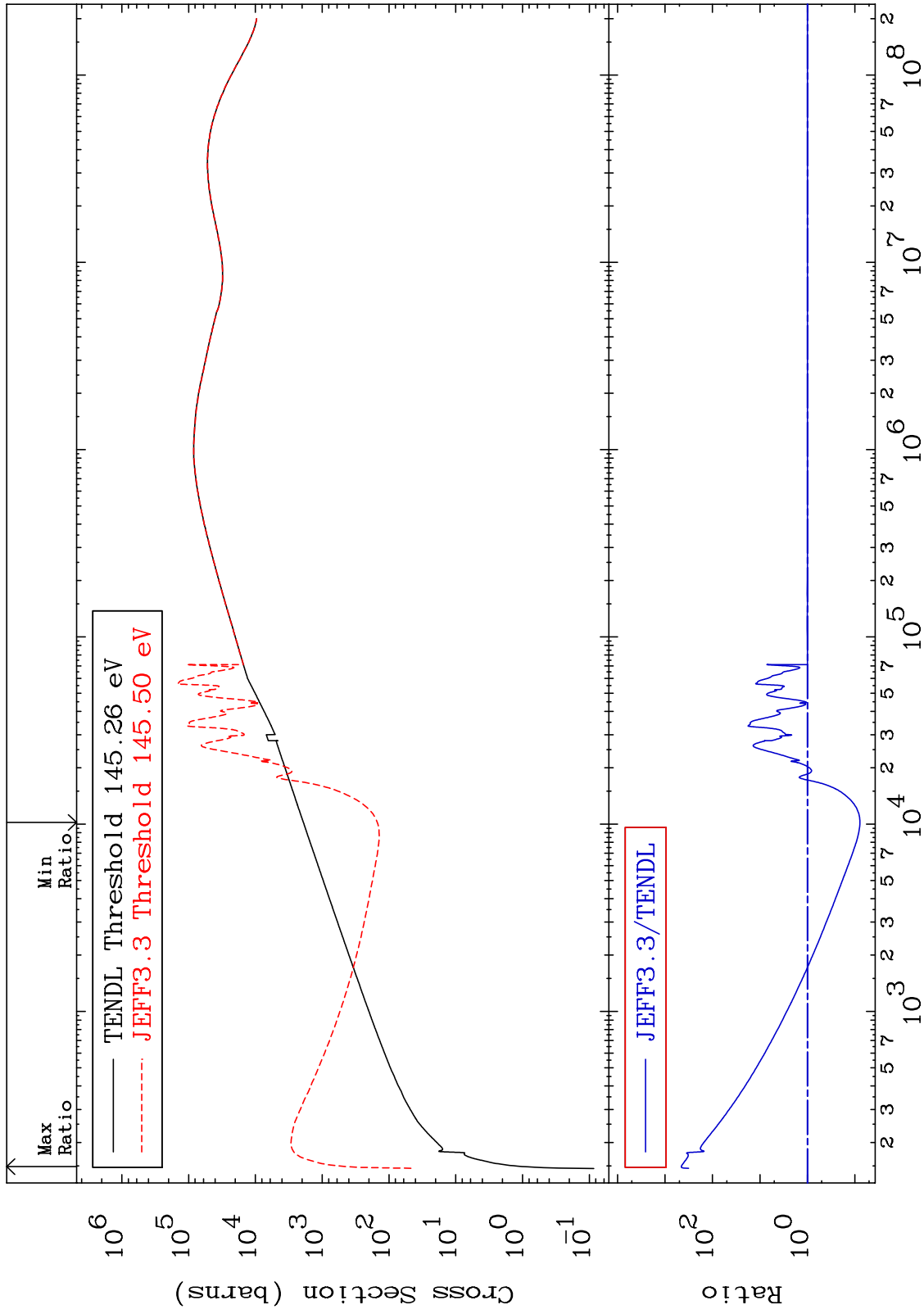
11-Na-22
-53.87 To 213.3 %



MAT 1122

Dpa elastic (mt2)
Cross Section

11-Na-22
-92.19 To 9999. %



72

Incident Energy (eV)

11-Na-22

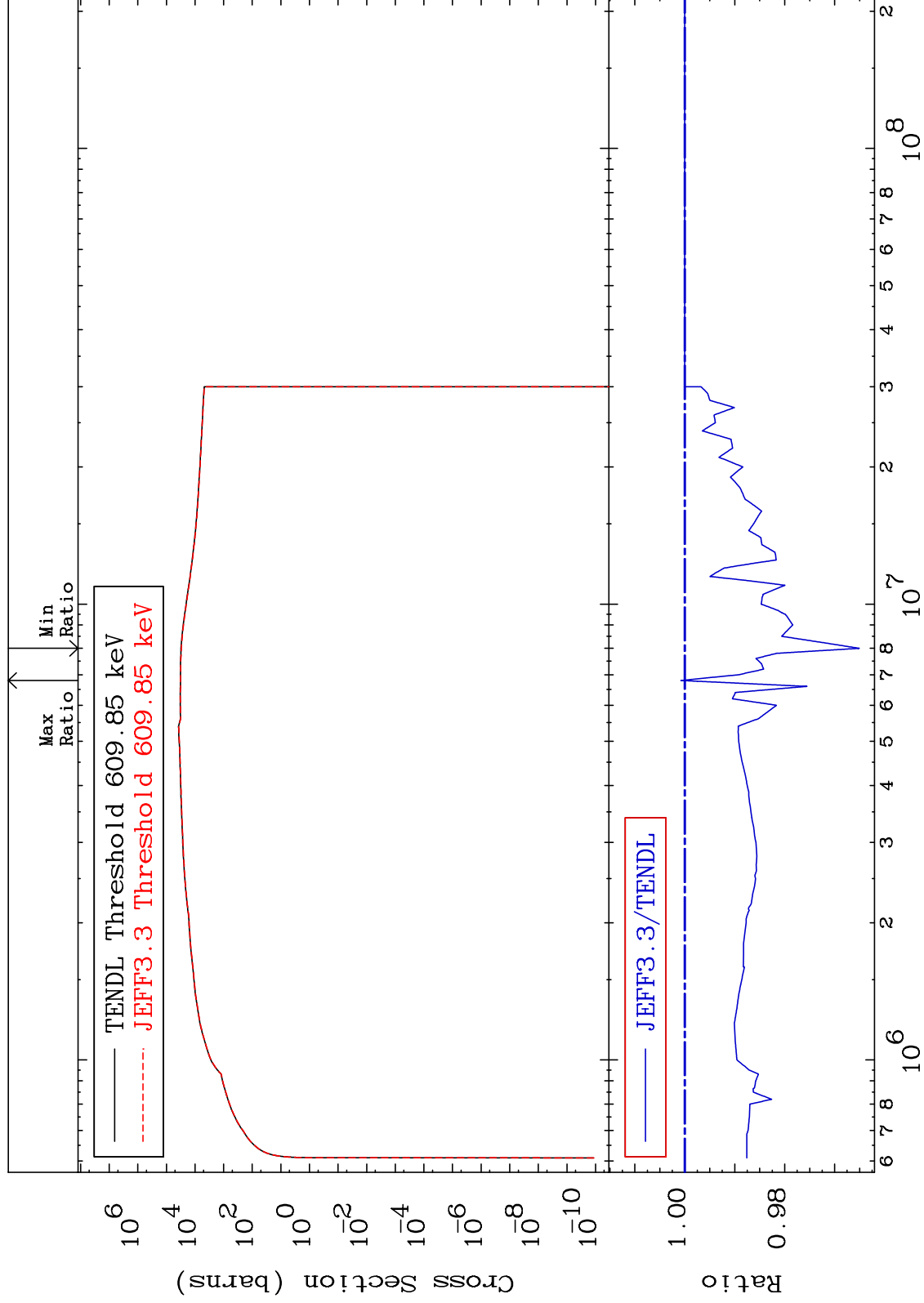
MAT 1122

Dpa inelastic (mt51-91)

11-Na-22

-3.493 To 0.075 %

Cross Section



73

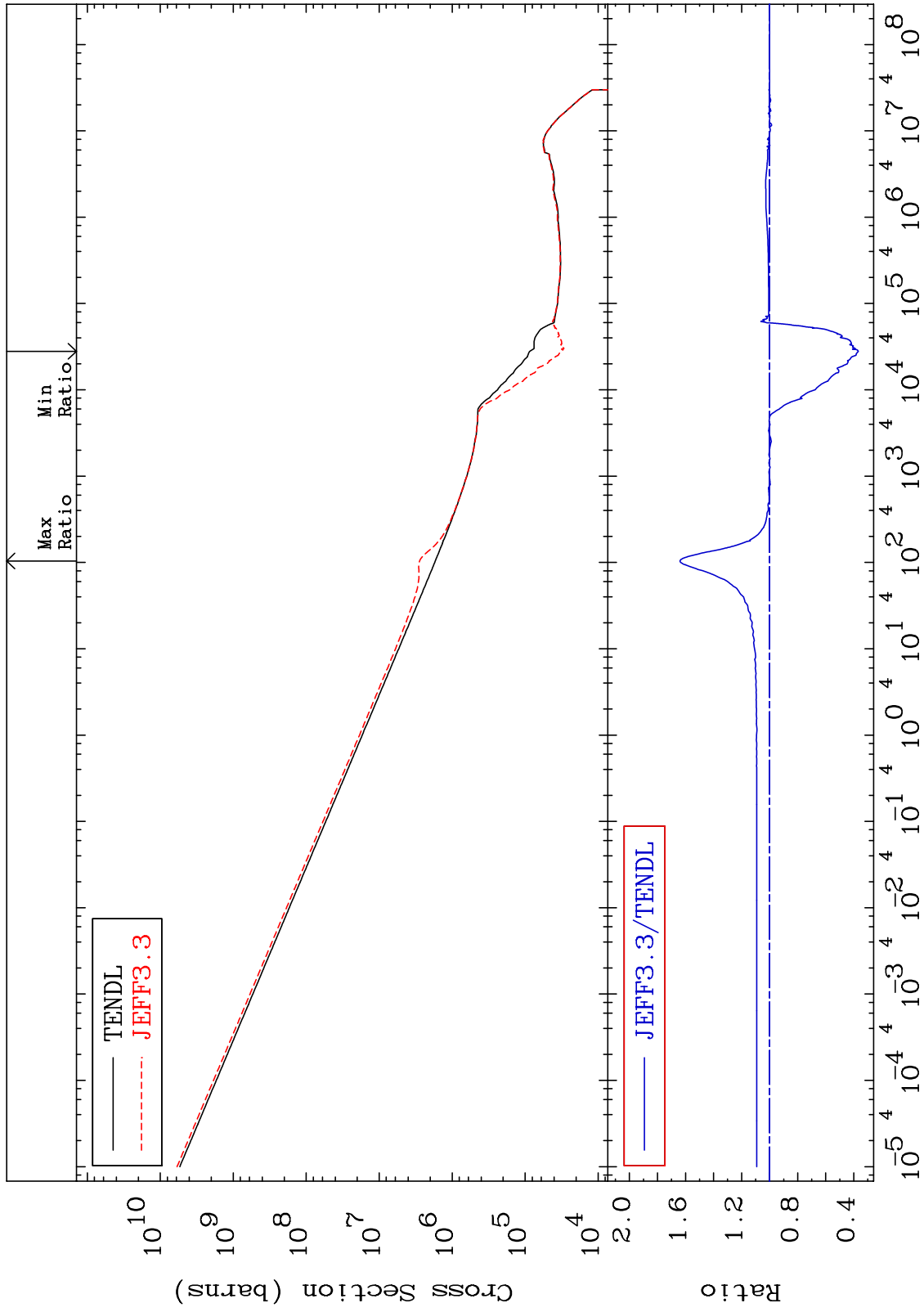
Incident Energy (eV)

11-Na-22

MAT 1122

Dpa disappearance (mt102 -120)
Cross Section

11-Na-22
-63.31 To 63.92 %



74

Incident Energy (eV)

11-Na-22