

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

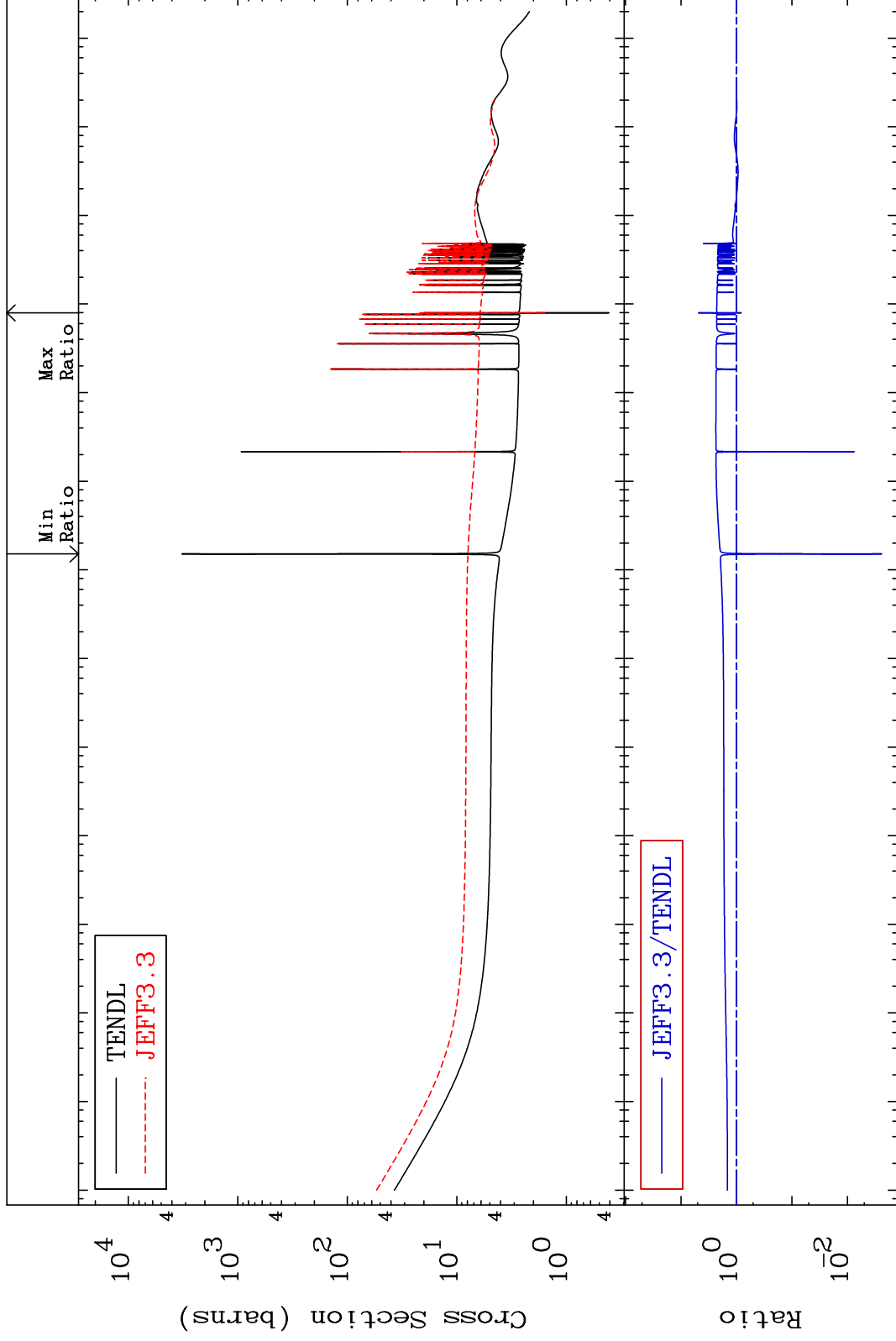
MAT 5461

Total

54-Xe-136

Cross Section

-99.76 To 385.9 %



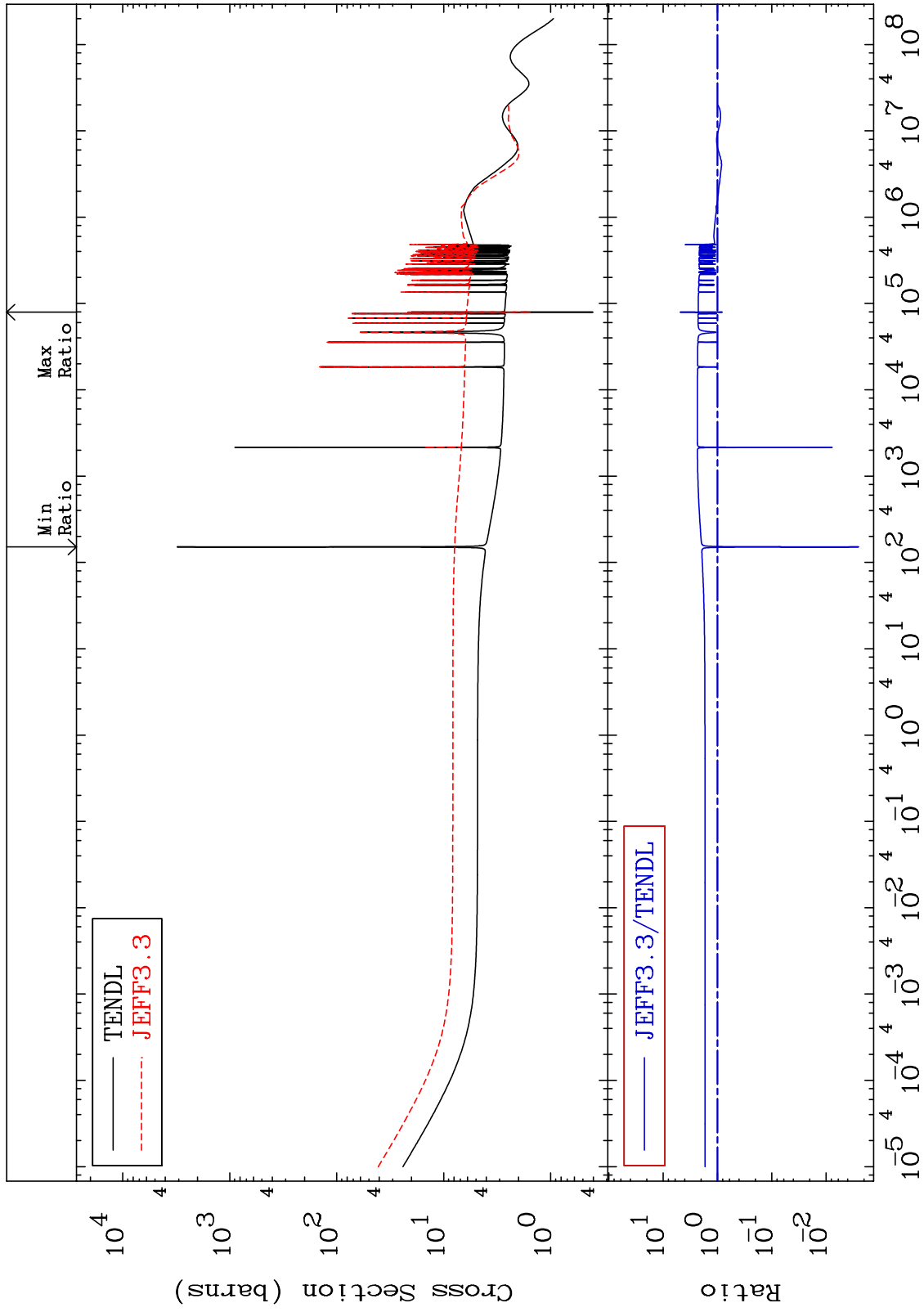
Incident Energy (eV)

54-Xe-136

MAT 5461

Elastic
Cross Section

54-Xe-136
-99.75 To 389.9 %



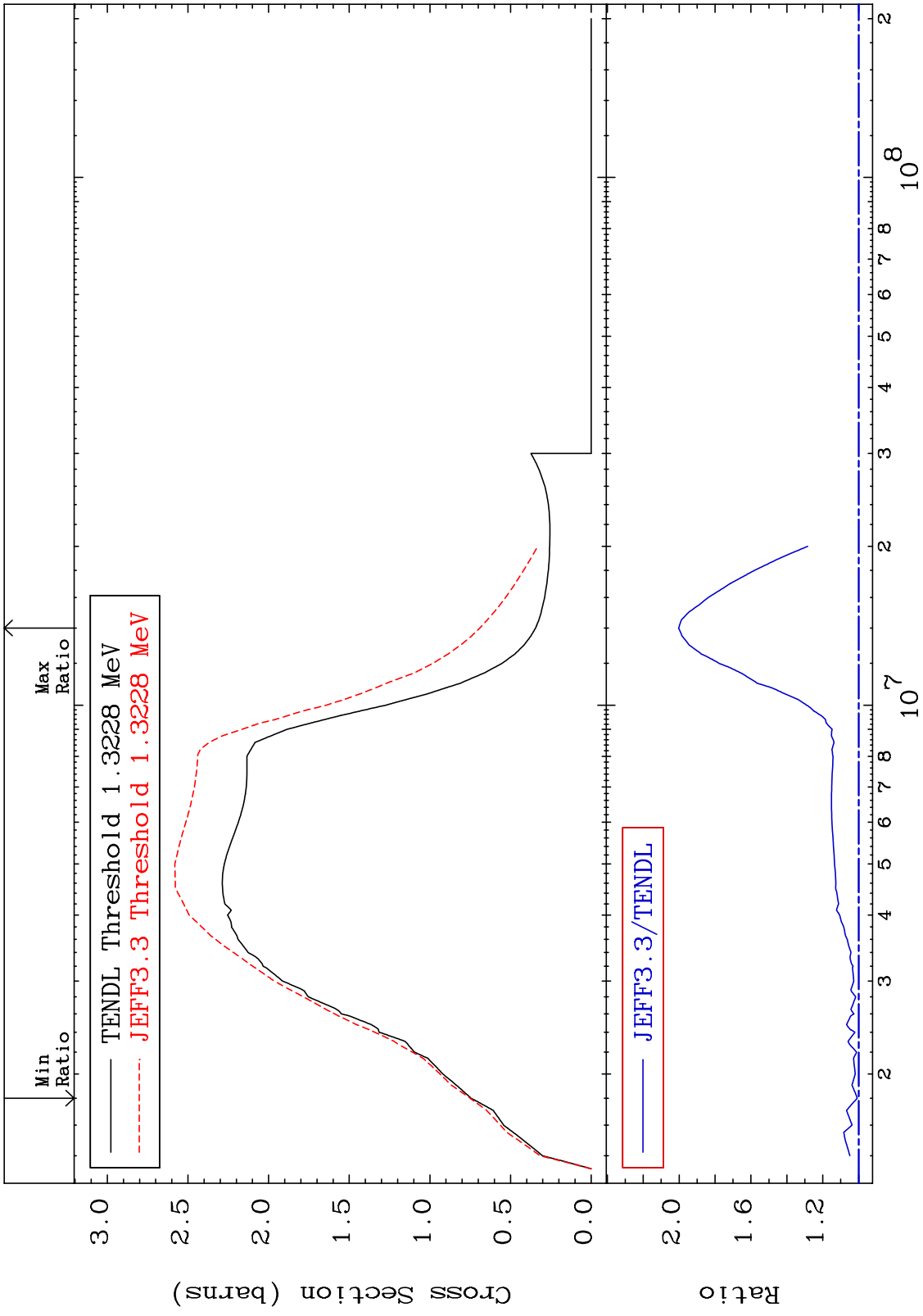
Incident Energy (eV)

54-Xe-136

2

MAT 5461 54-Xe-136
0.767 To 100.3 %

Inelastic
 Cross Section



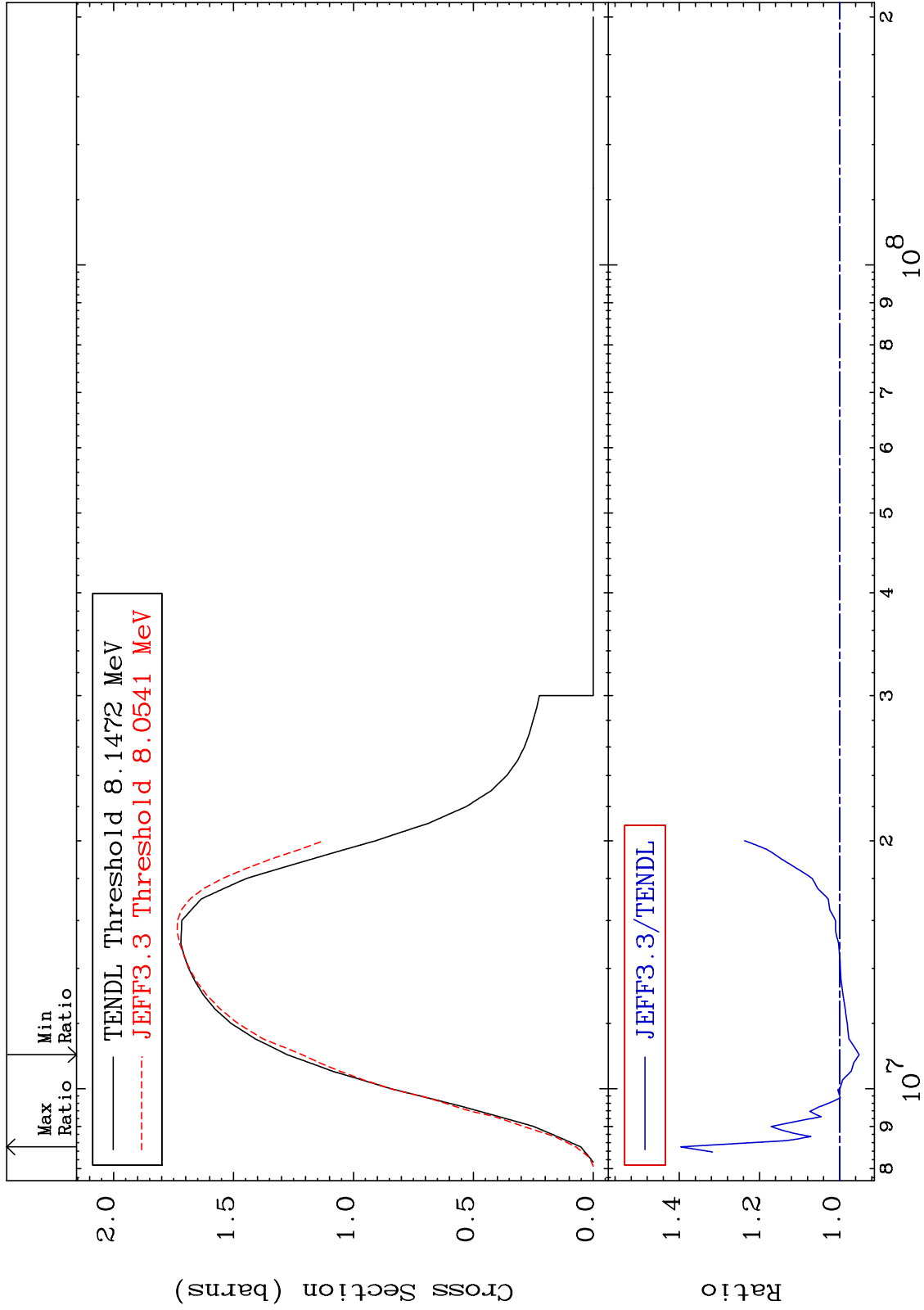
MAT 5461

(n,2n)

54-Xe-136

Cross Section

-4.862 To 39.67 %



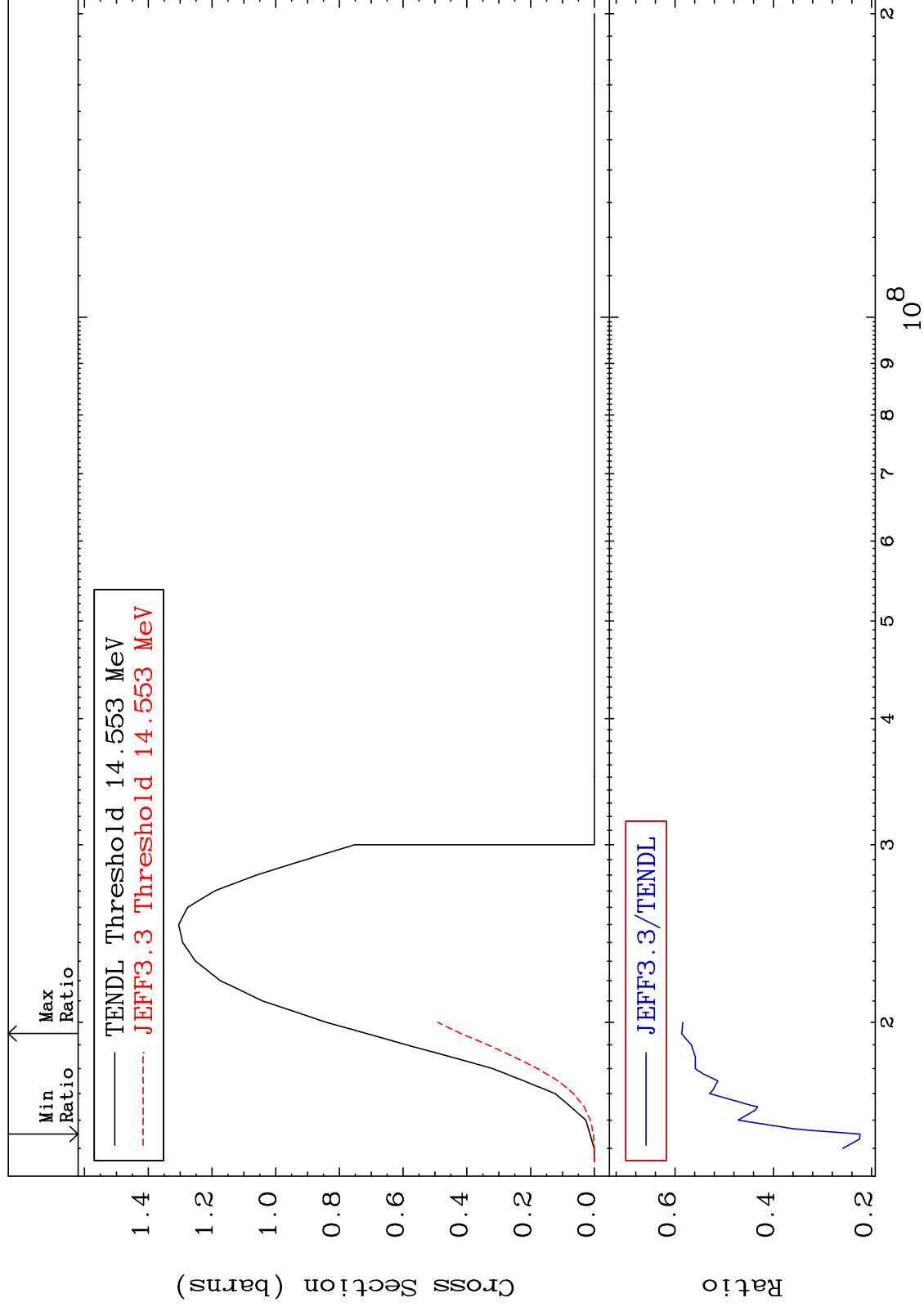
MAT 5461

(n,3n)

54-Xe-136

Cross Section

-77.66 To -41.34%



5

Incident Energy (eV)

54-Xe-136

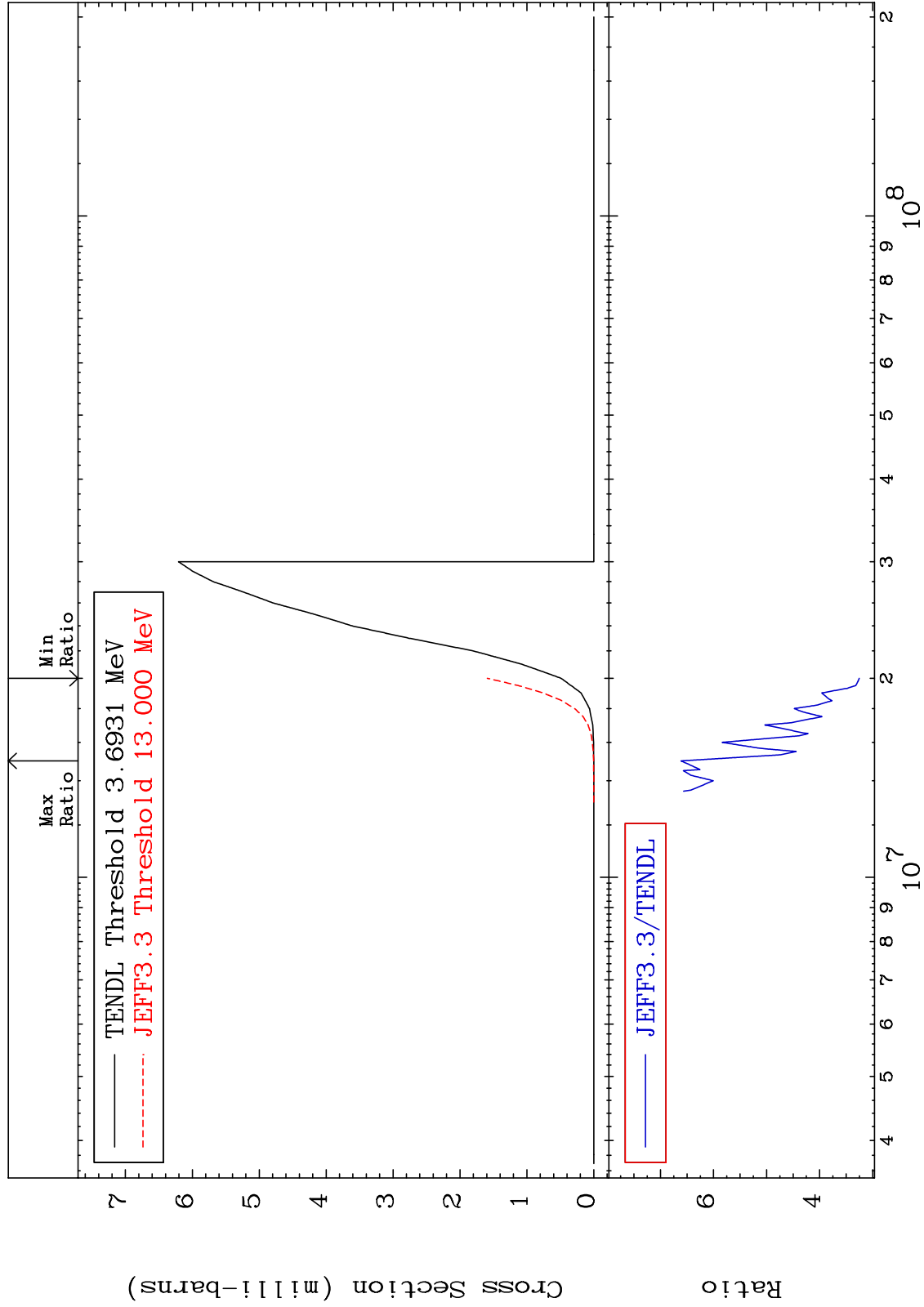
MAT 5461

(n, n') α

54-Xe-136

225.3 To 561.3 %

Cross Section



6

Incident Energy (eV)

54-Xe-136

MAT 5461

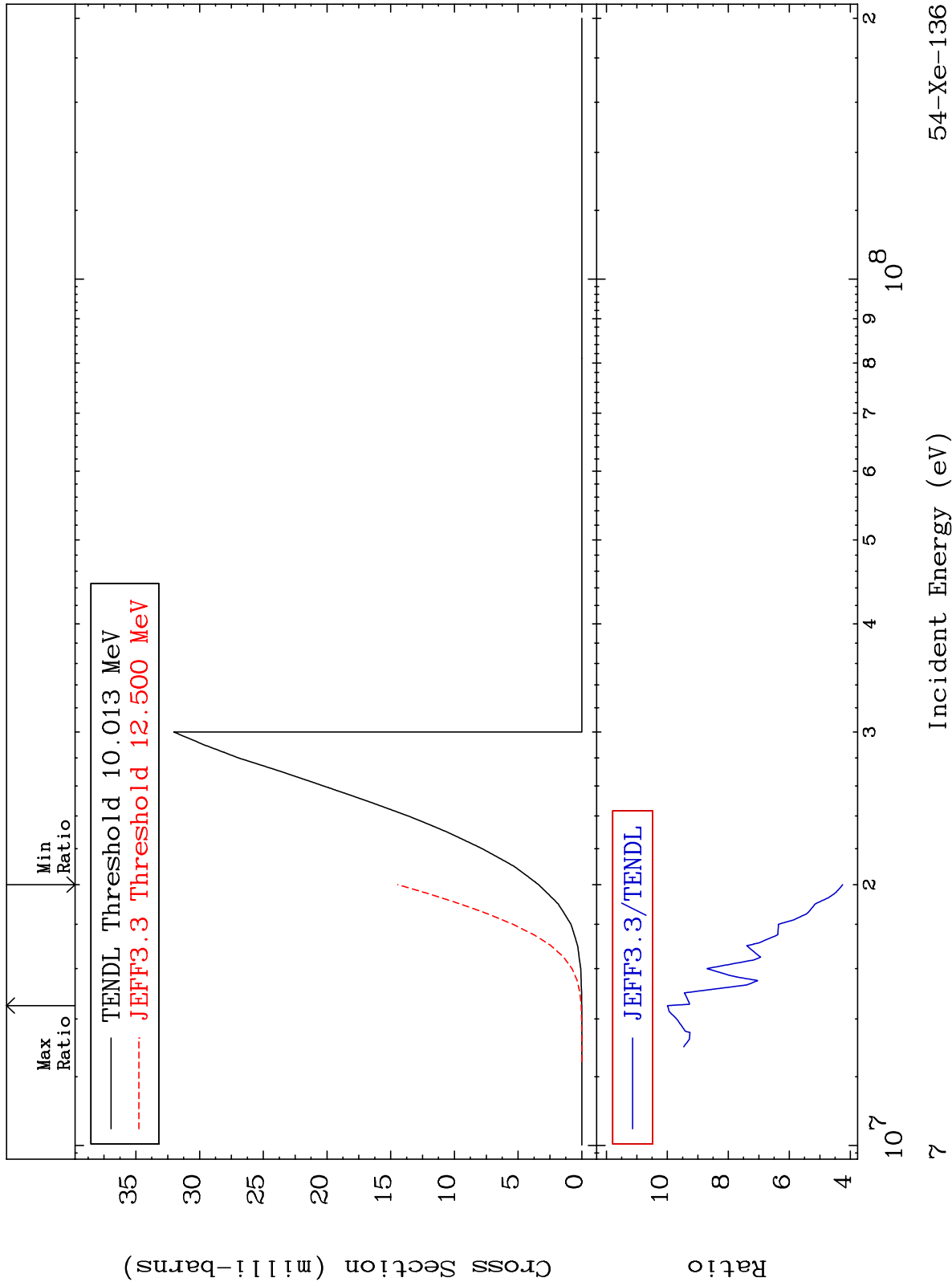
(n,n') p

54-Xe-136

Cross Section

325.1

To 899.4 %



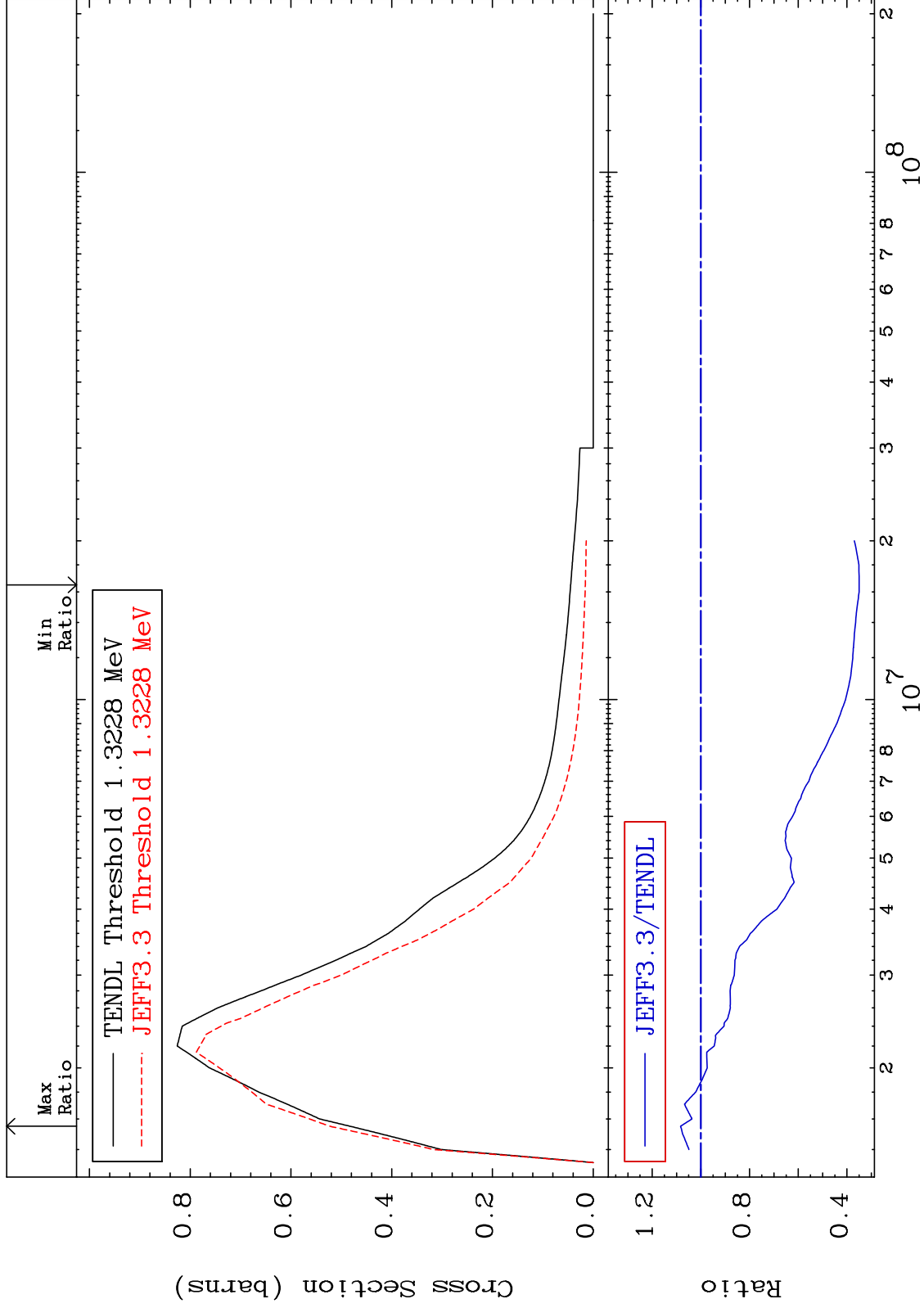
Incident Energy (eV)

54-Xe-136

MAT 5461

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

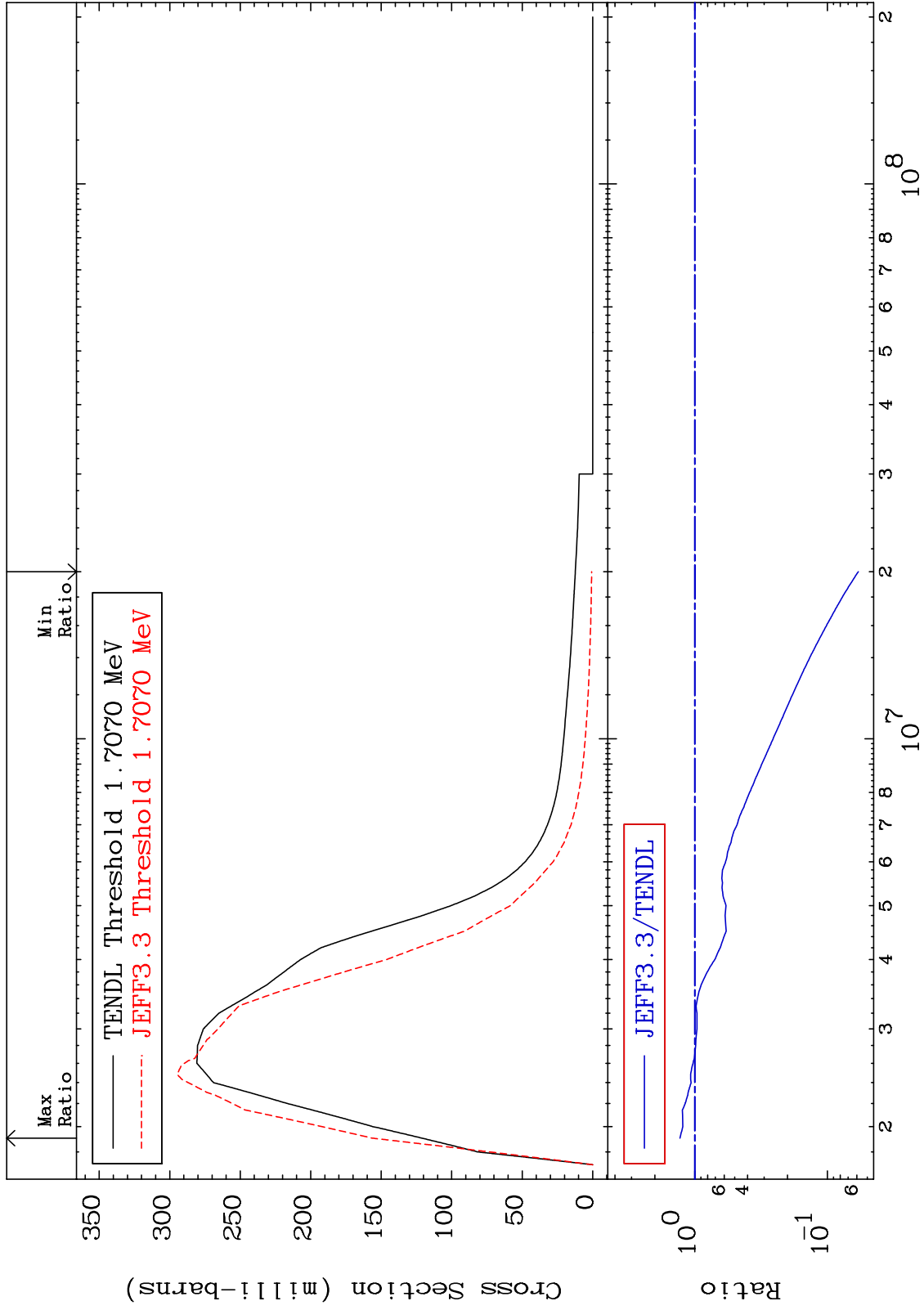
54-Xe-136
-65.01 To 8.333 %



MAT 5461

MT= 52 (n,n') Level
Cross Section

54-Xe-136
-94.16 To 29.20 %



9

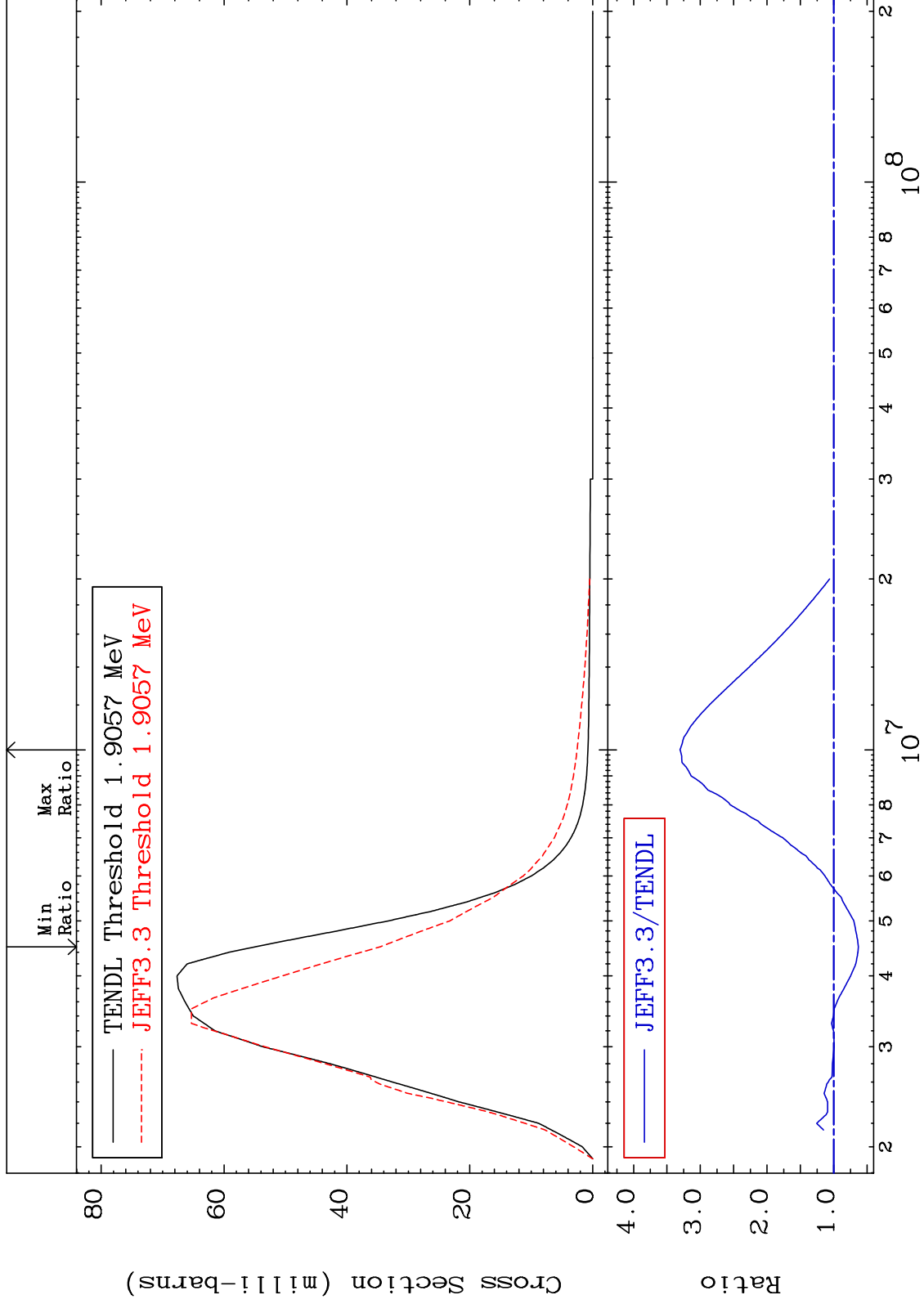
Incident Energy (eV)

54-Xe-136

MAT 5461

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

54-Xe-136
-37.00 To 230.4 %



10

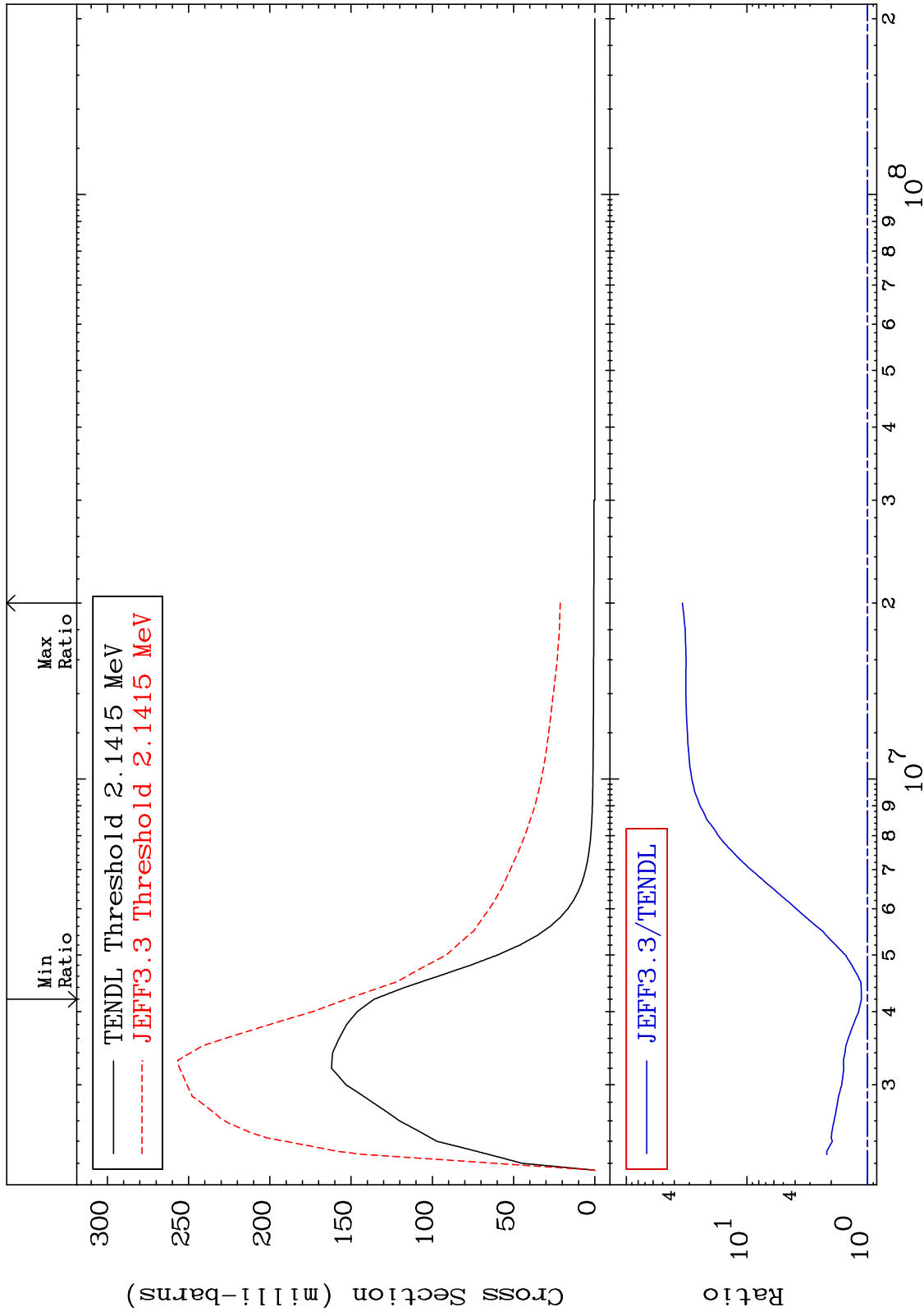
Incident Energy (eV)

54-Xe-136

MAT 5461

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

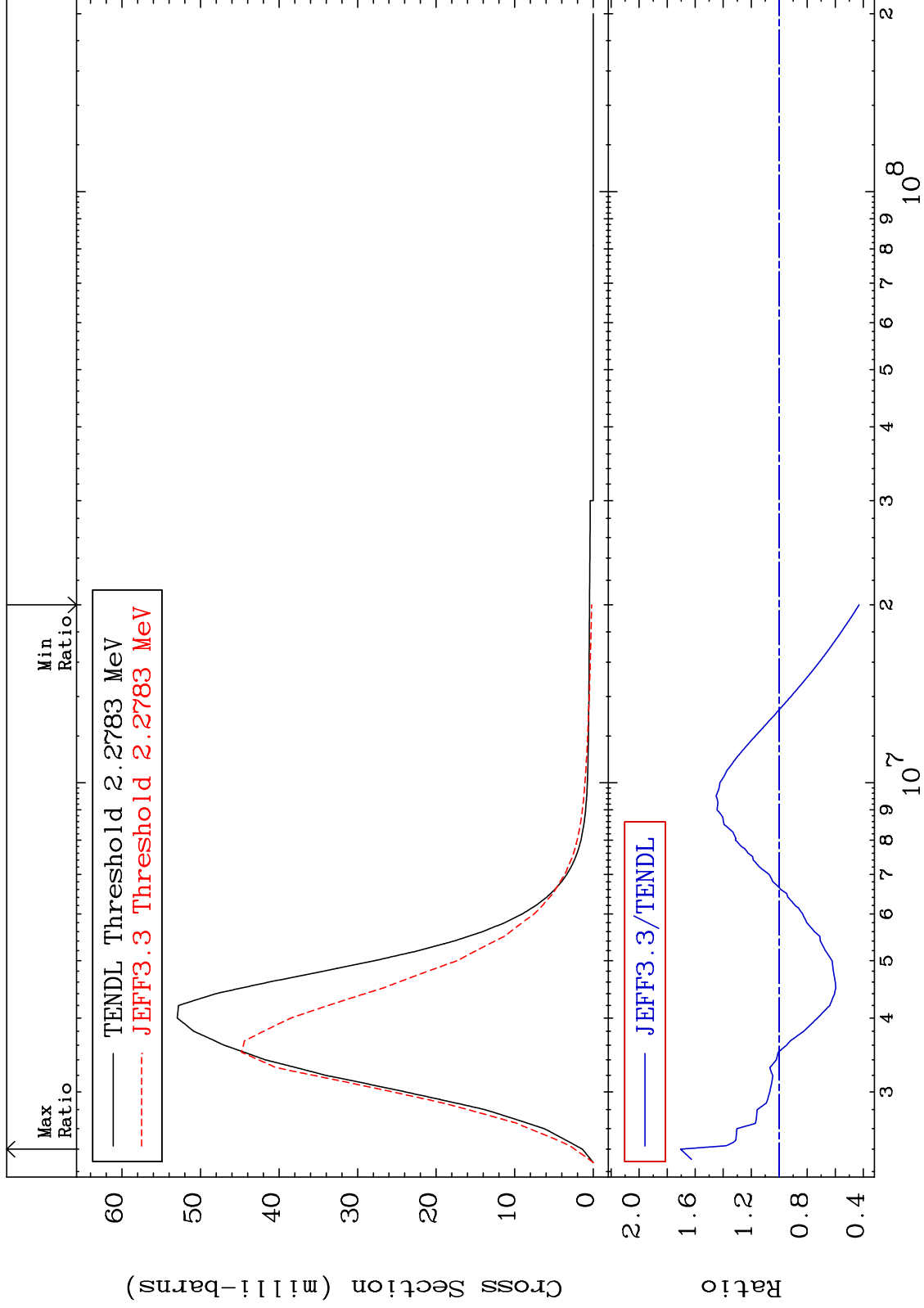
54-Xe-136
12.49 To 3329. %



MAT 5461

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

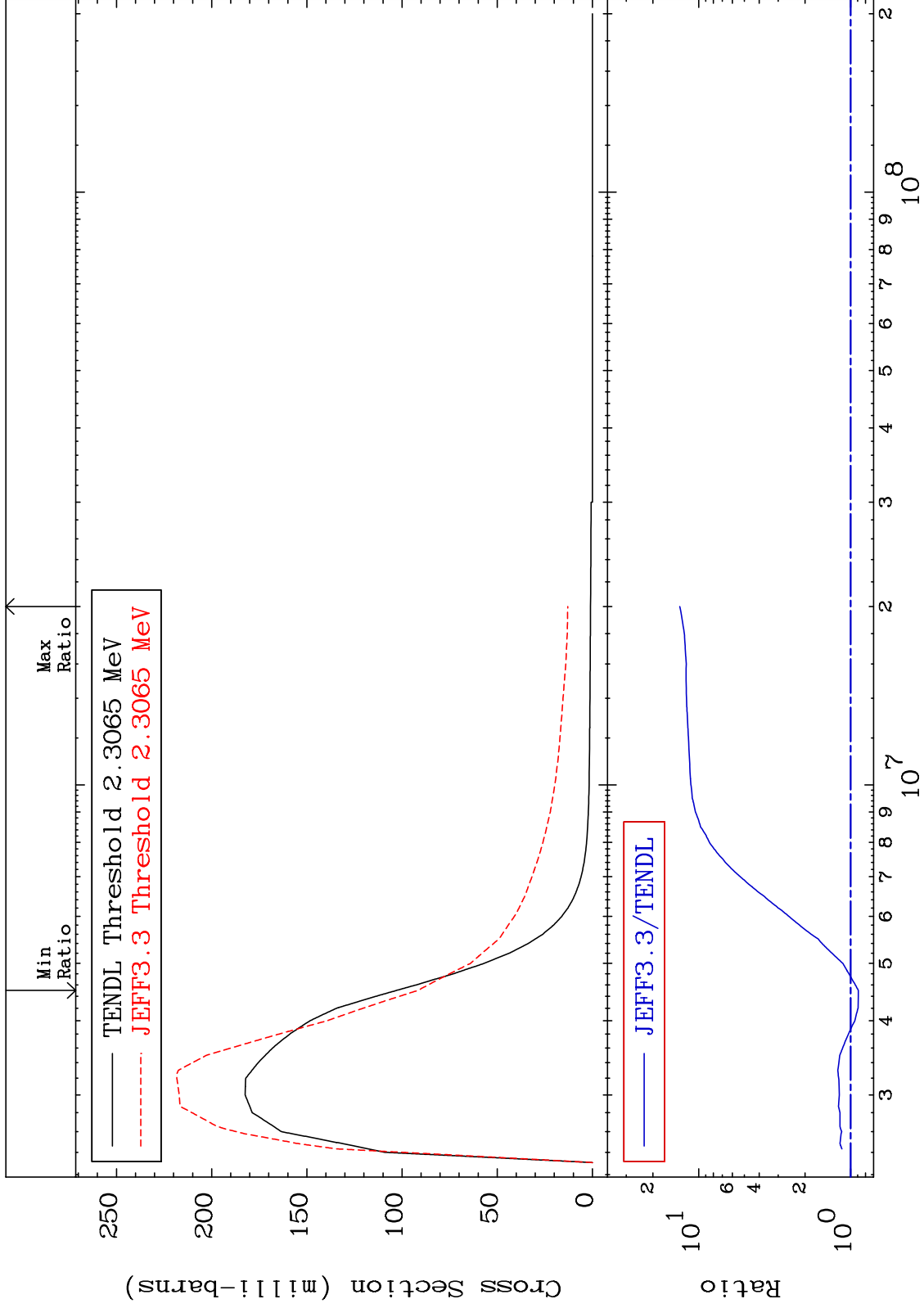
54-Xe-136
-57.08 To 70.40 %



MAT 5461

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

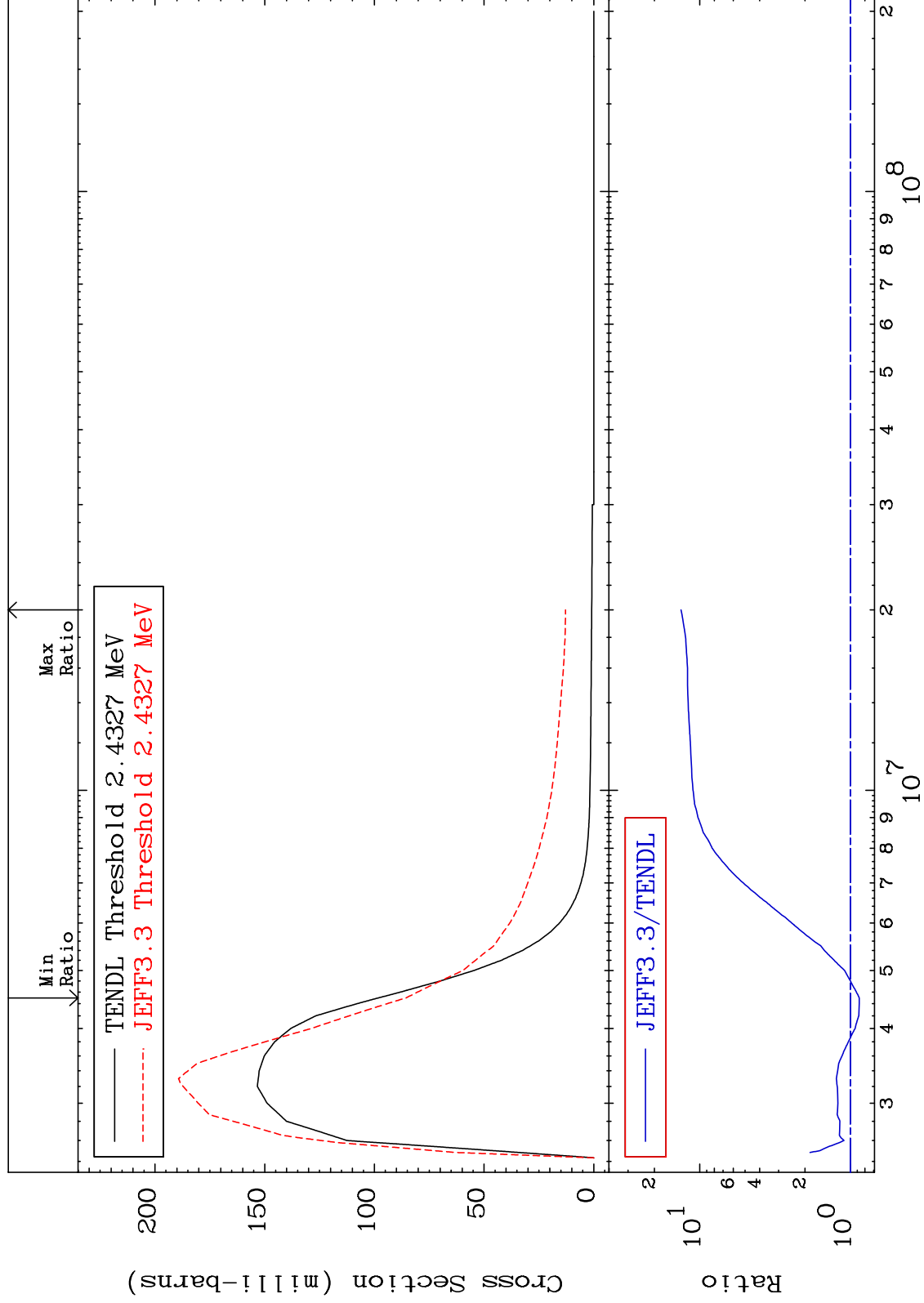
54-Xe-136
-10.93 To 1231. %



MAT 5461

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

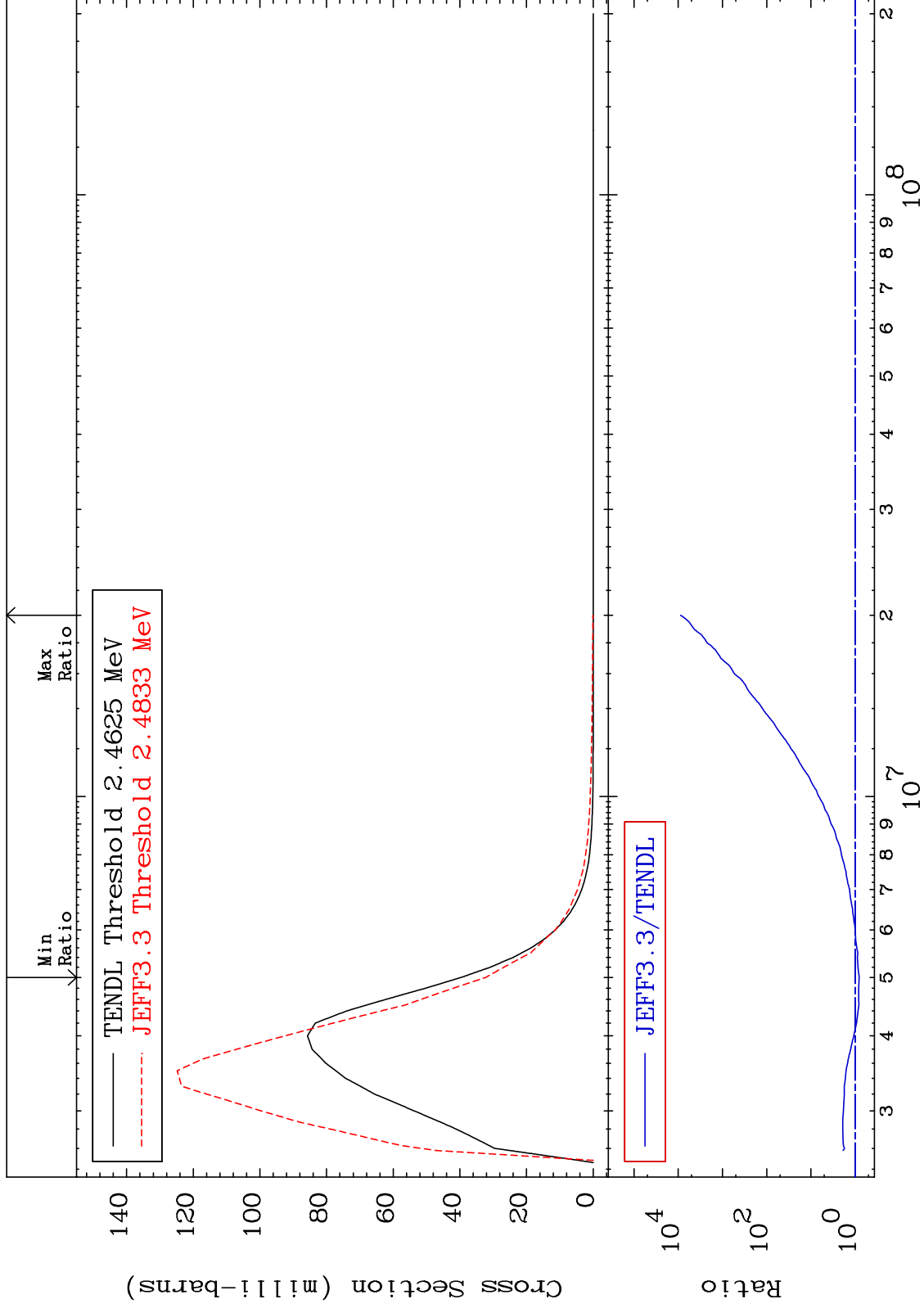
54-Xe-136
-12.75 To 1231. %



MAT 5461

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

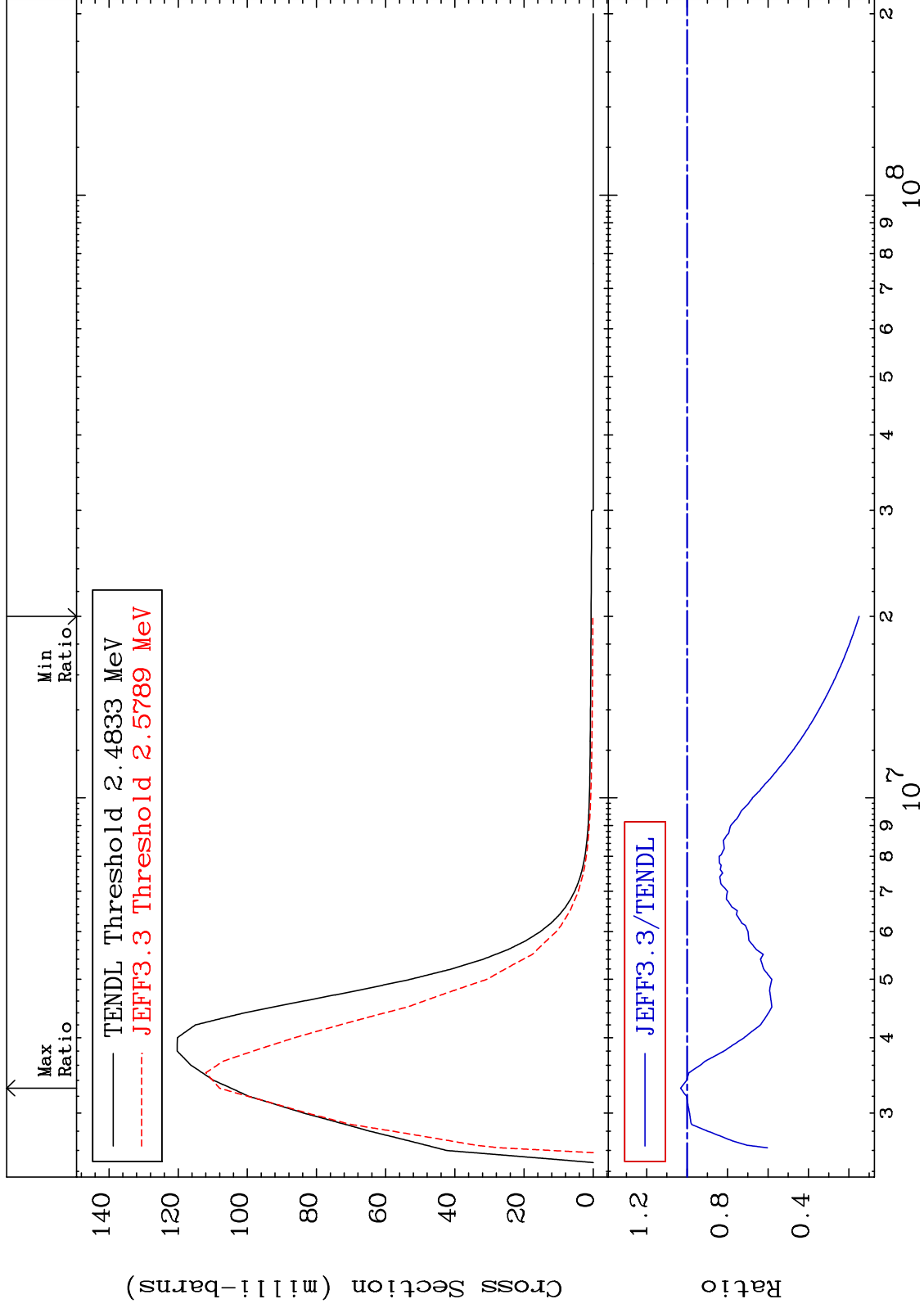
54-Xe-136
-18.60 To 9999. %



MAT 5461

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

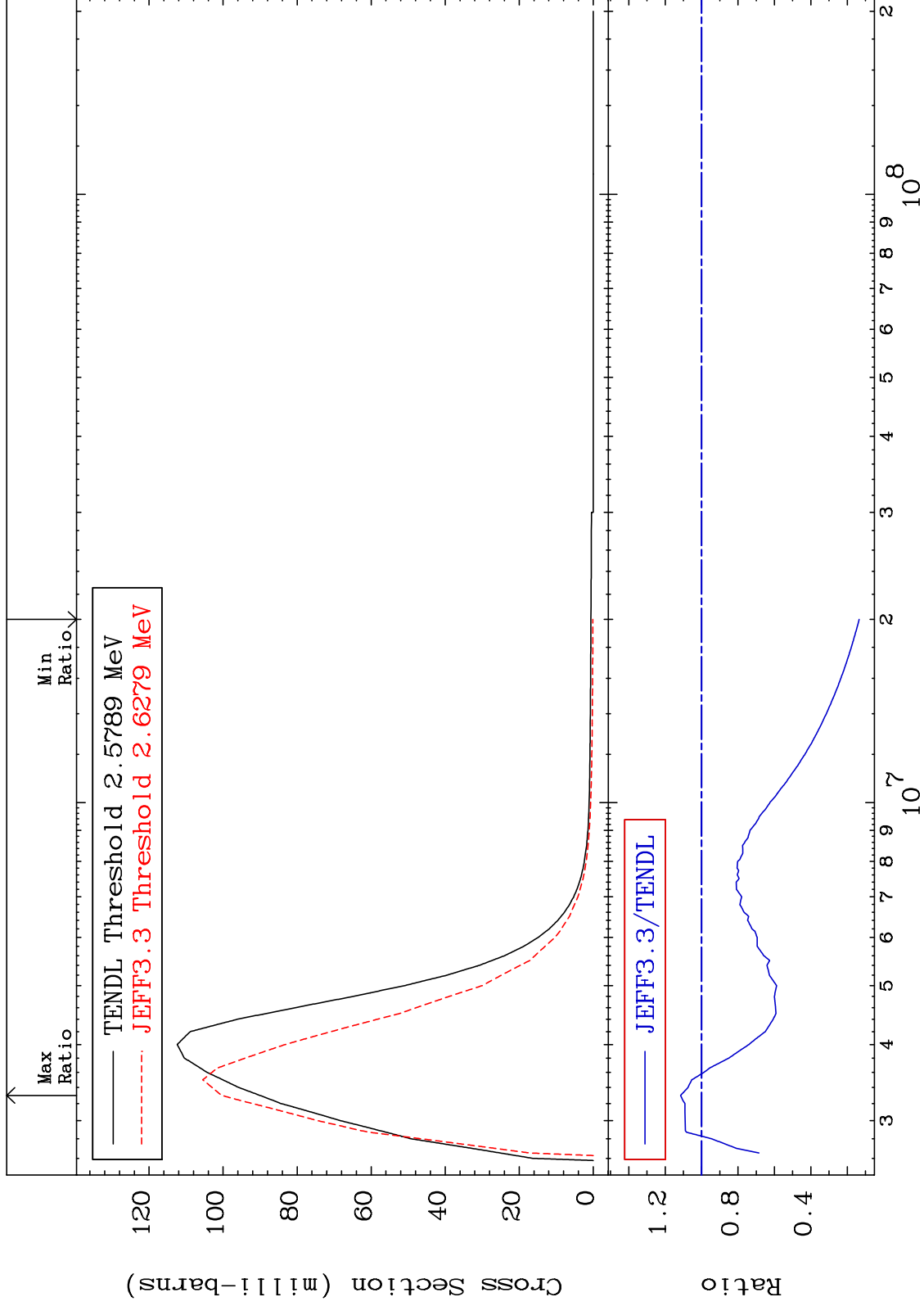
54-Xe-136
-85.08 To 3.193 %



MAT 5461

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

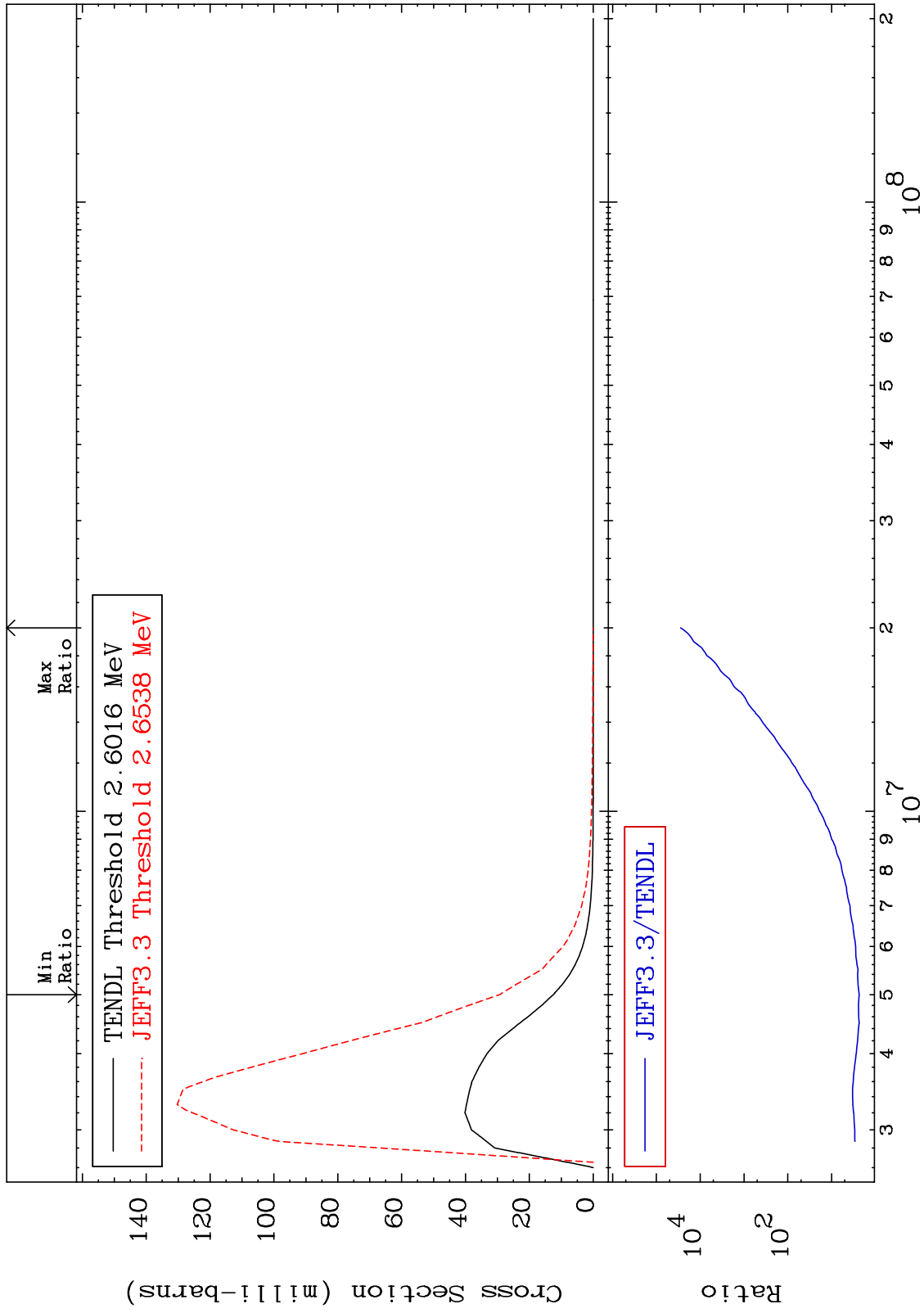
54-Xe-136
-86.53 To 11.52 %



MAT 5461

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

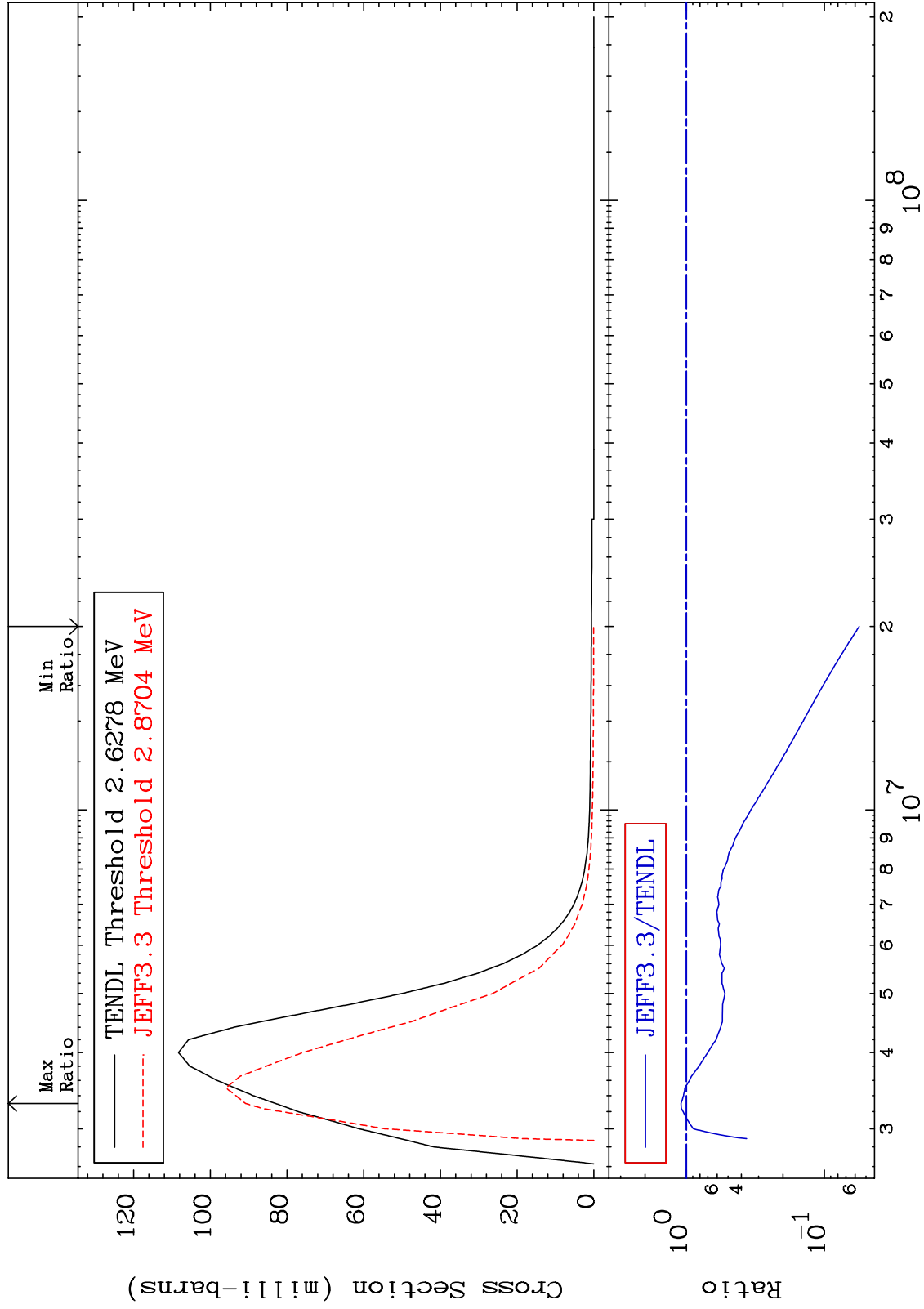
54-Xe-136
134.3 To 9999. %



MAT 5461

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

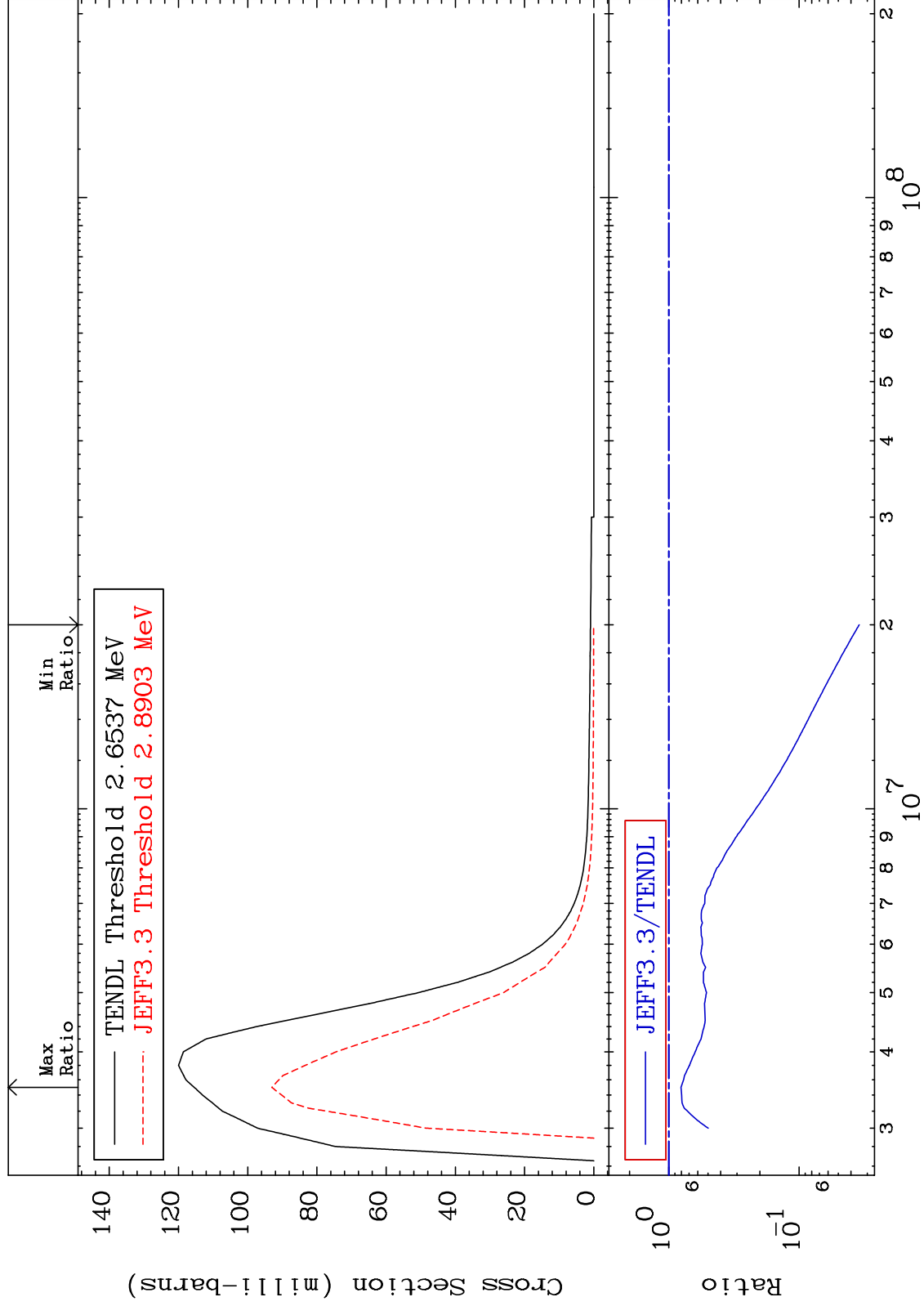
54-Xe-136
-94.41 To 9.466 %



MAT 5461

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

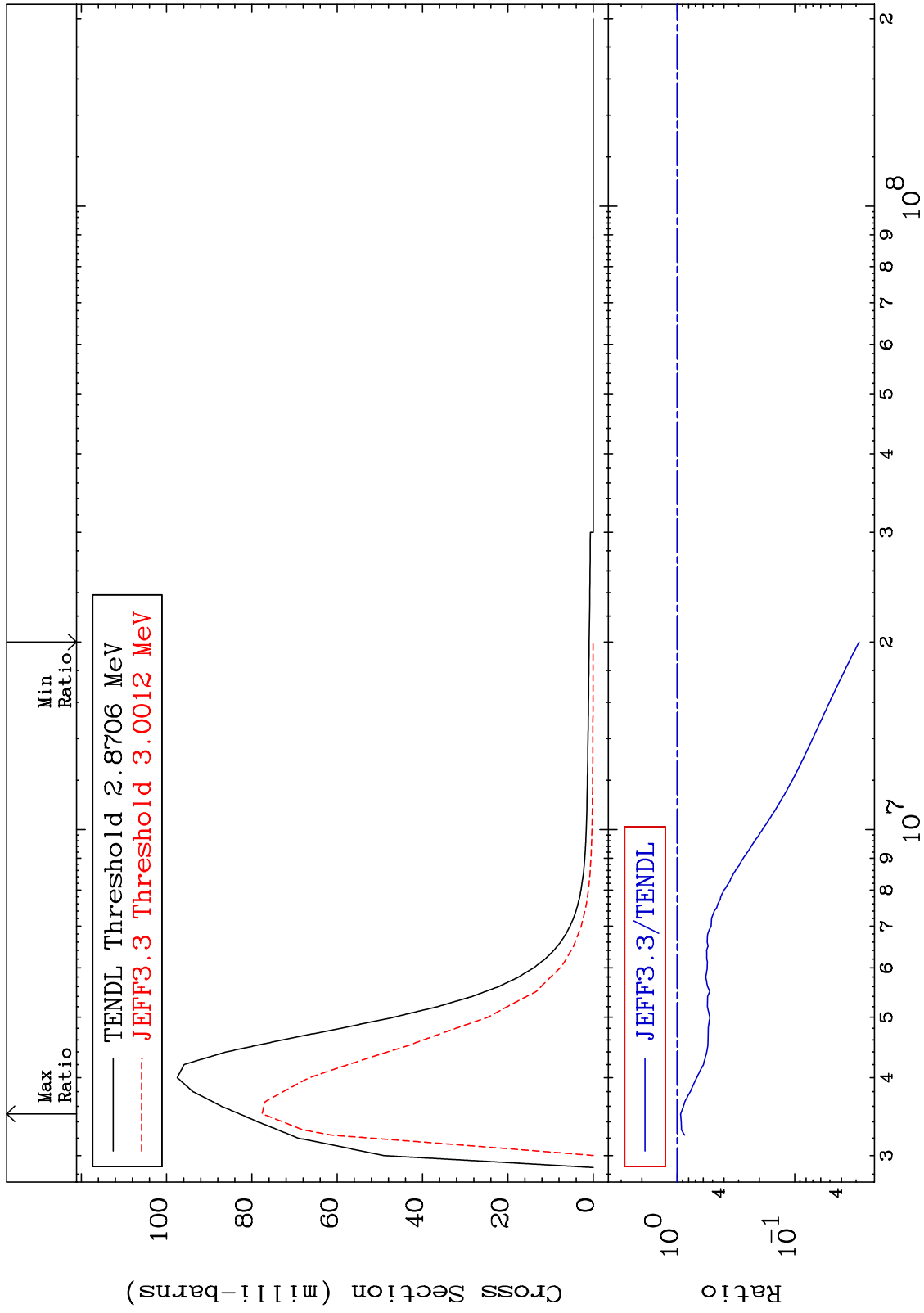
54-Xe-136
-96.55 To -19.40%



MAT 5461

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

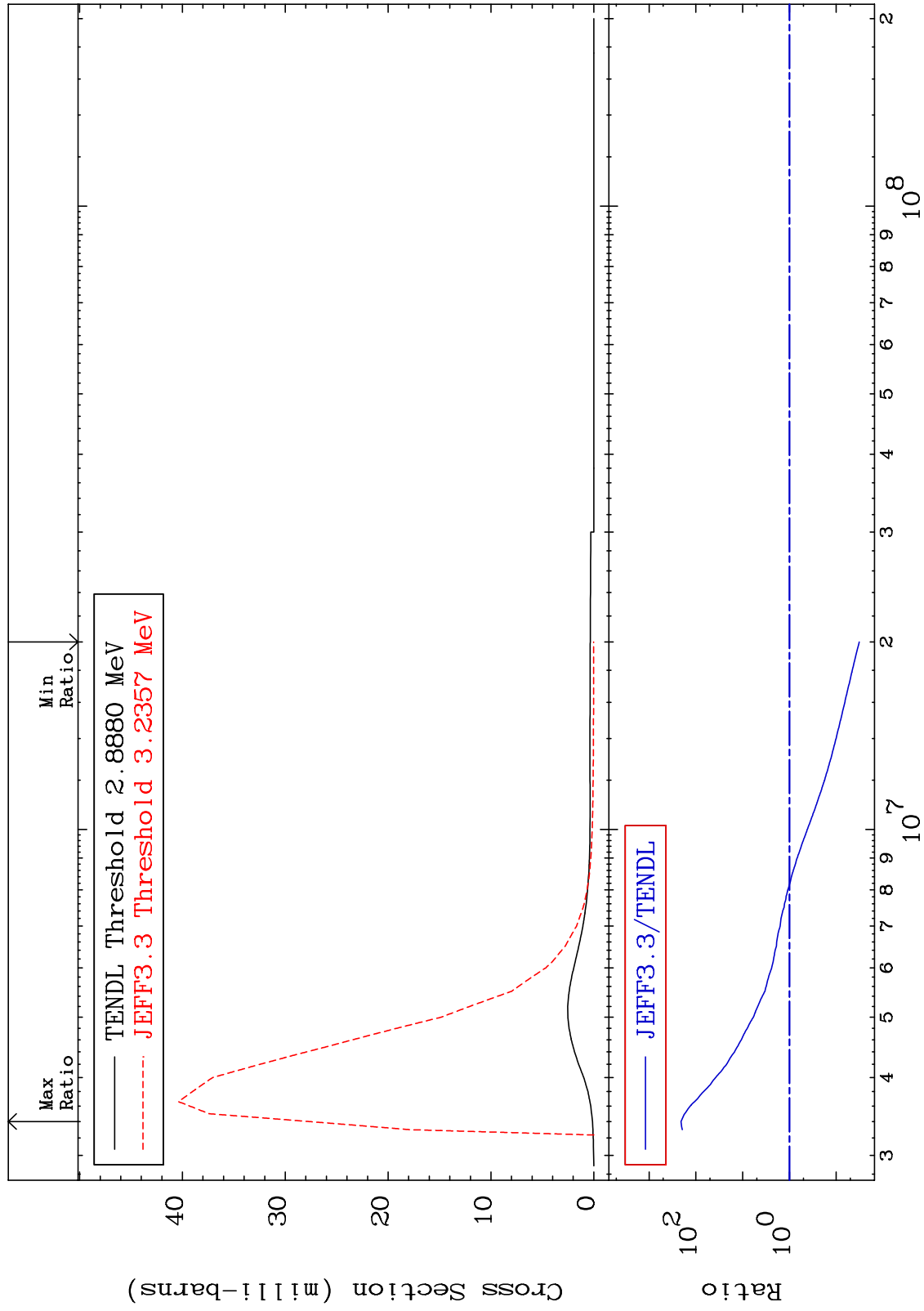
54-Xe-136
-97.18 To -6.393%



MAT 5461

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

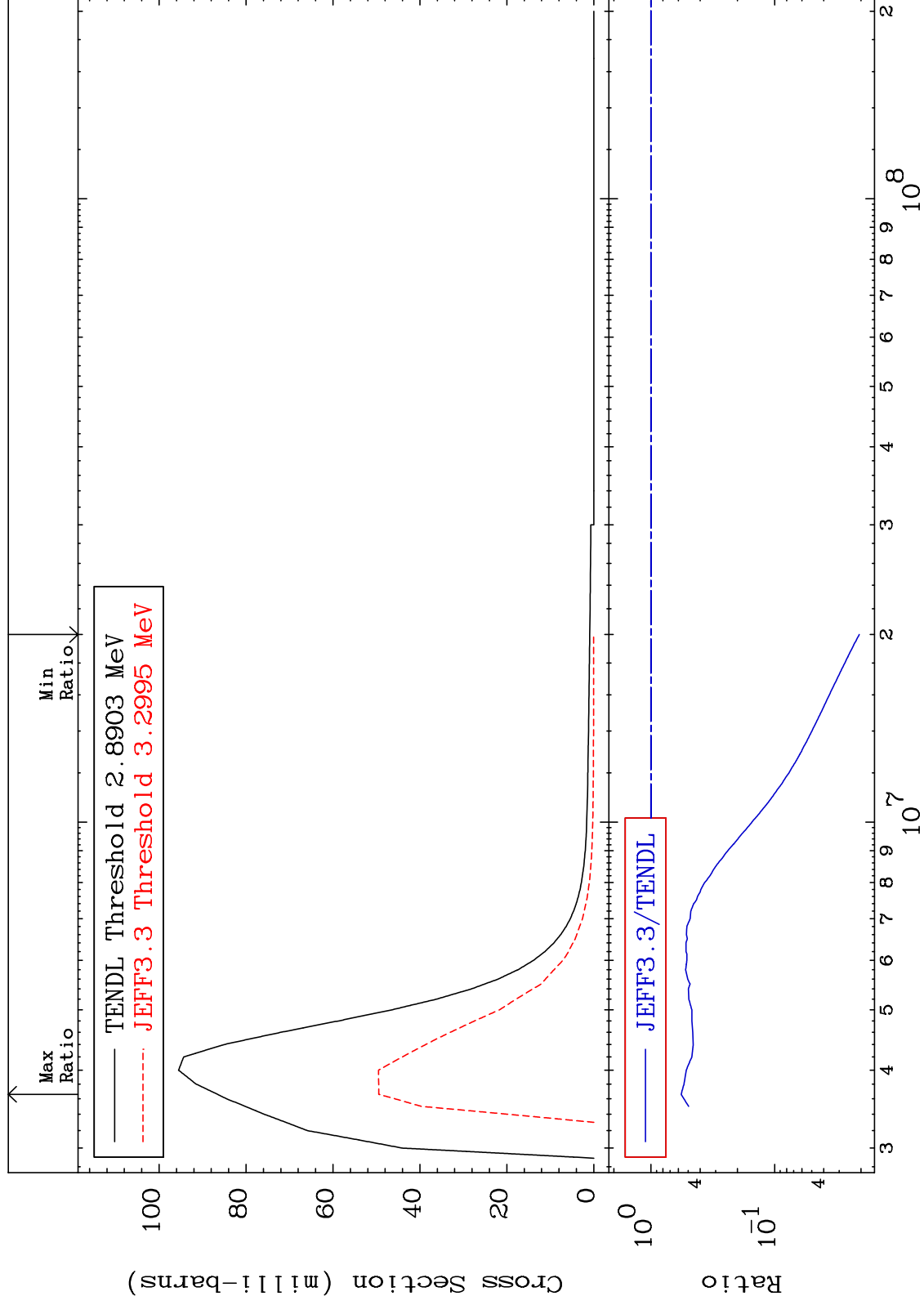
54-Xe-136
-96.79 To 9999. %



MAT 5461

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

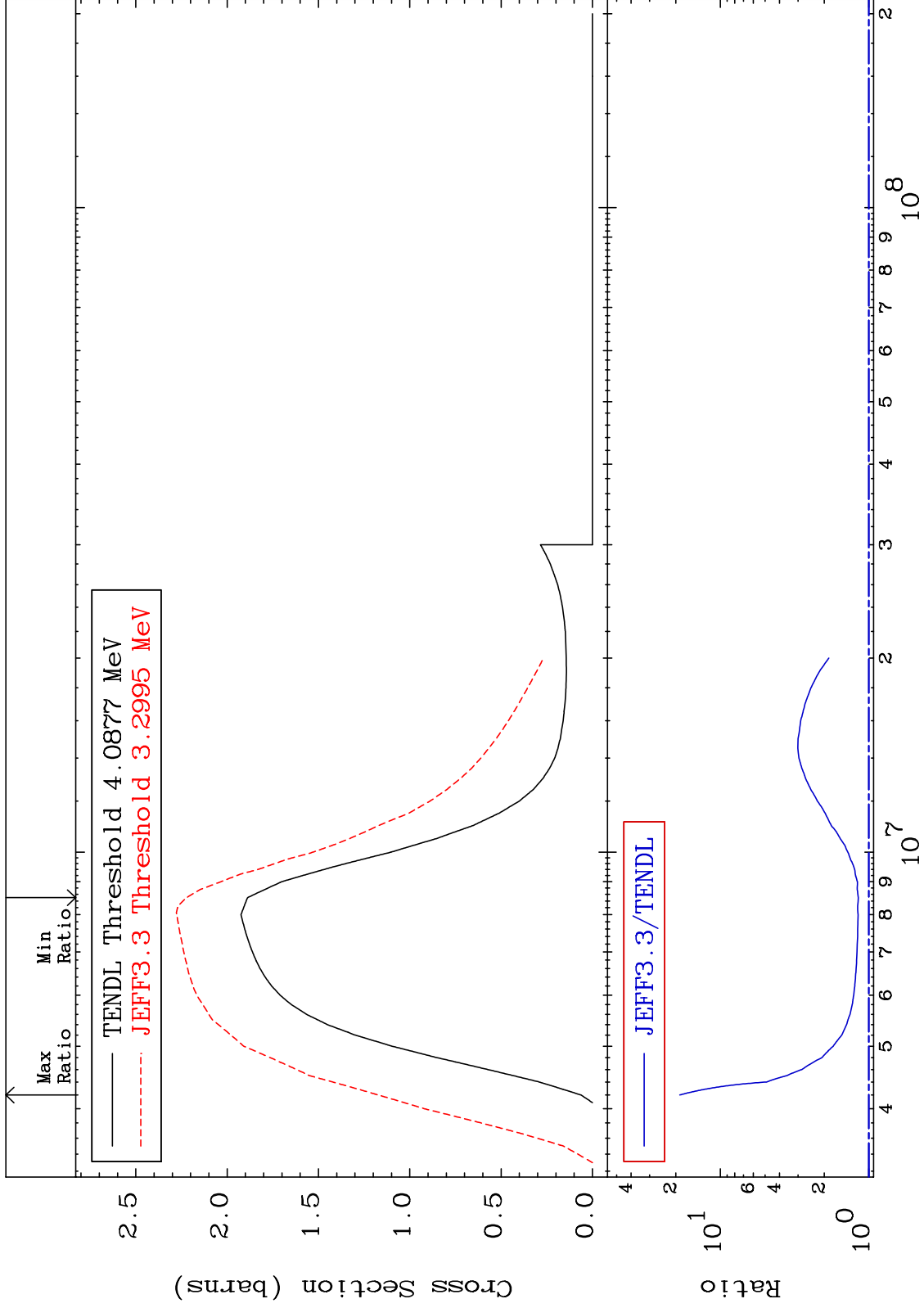
54-Xe-136
-97.94 To -42.89%



MAT 5461

(n, n') Continuum
Cross Section

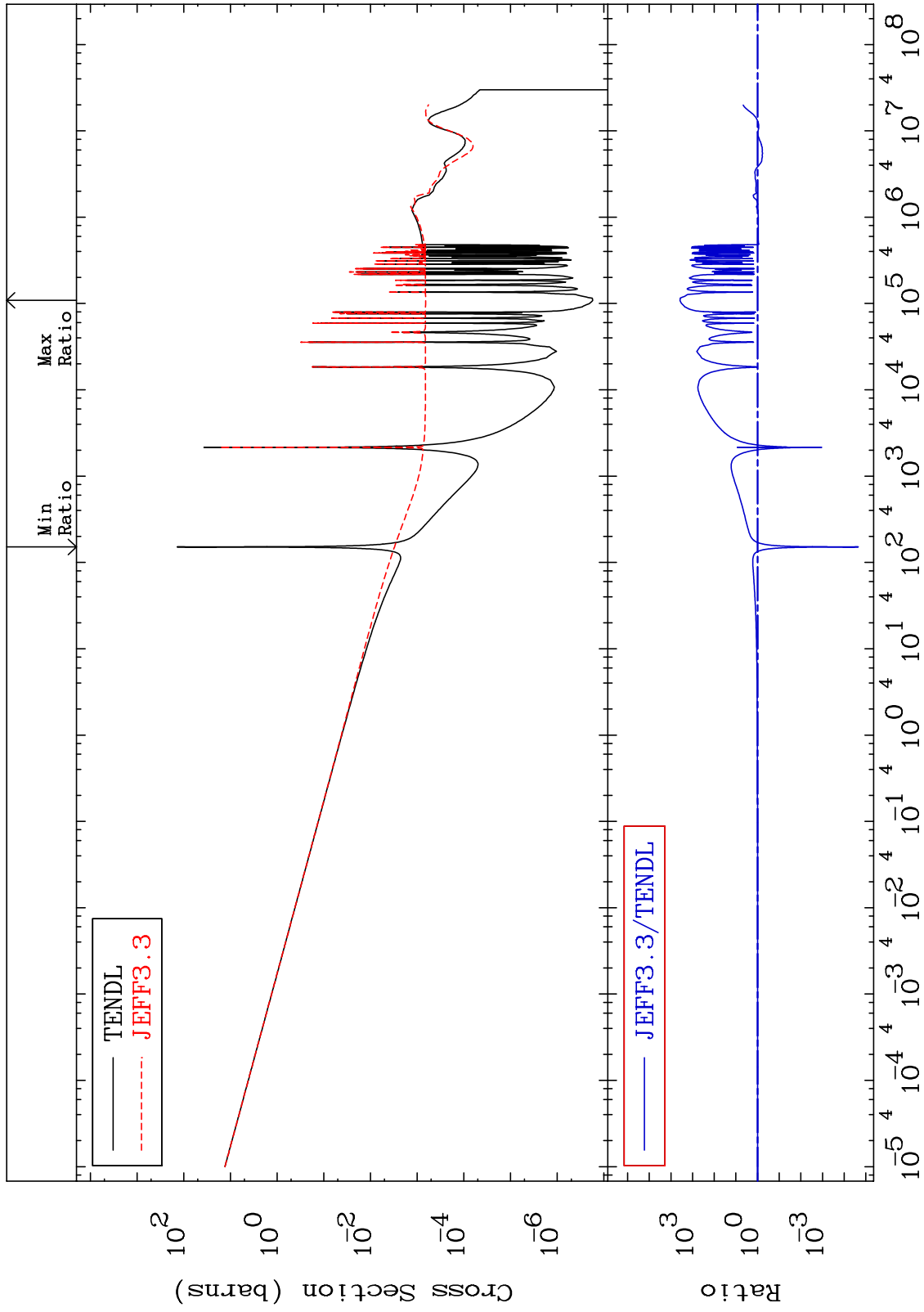
54-Xe-136
17.71 To 1777. %



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(n, γ)
Cross Section

54-Xe-136
-100.0 To 9999. %



25

Incident Energy (eV)

54-Xe-136

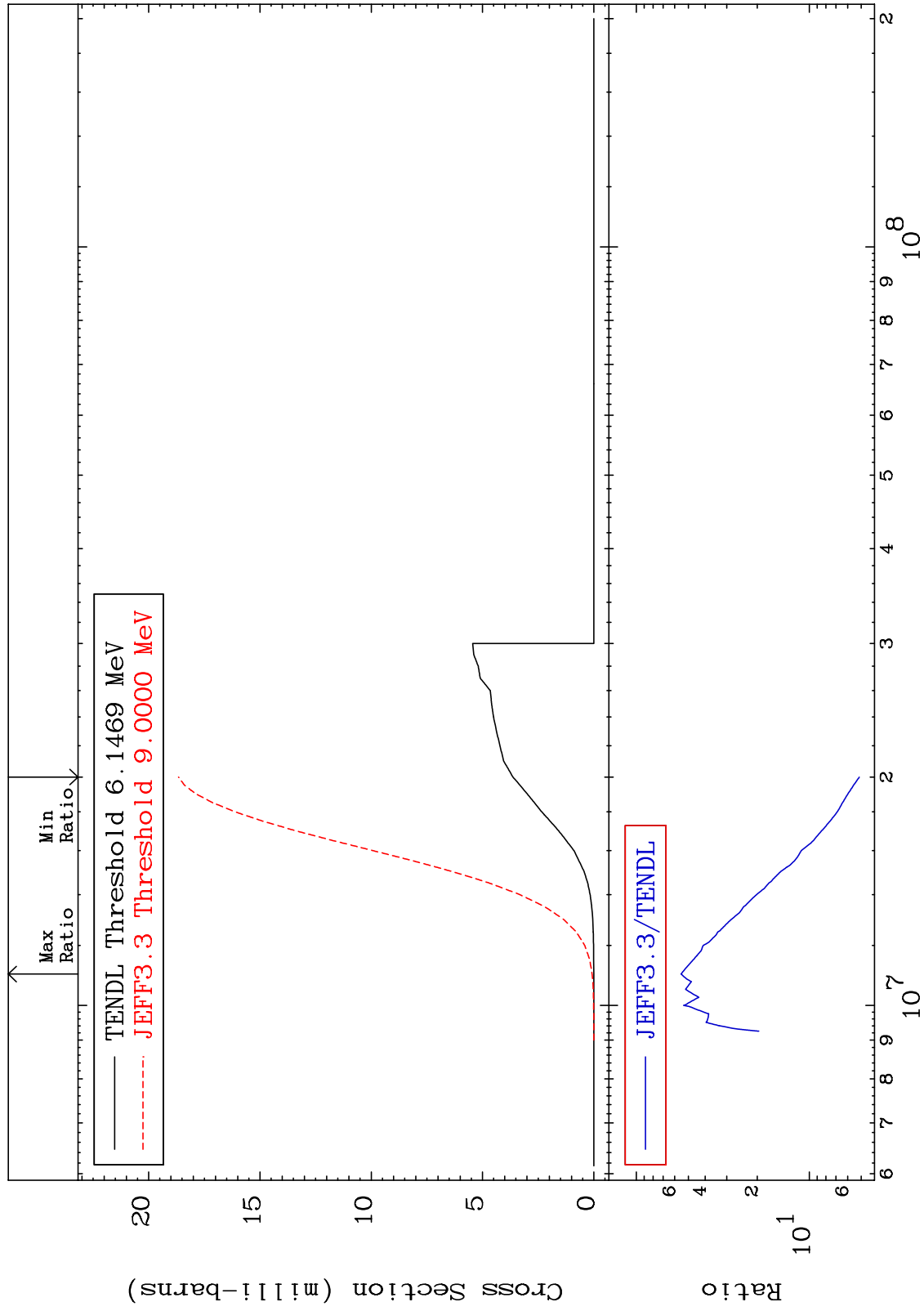
MAT 5461

(n, p)

54-Xe-136

Cross Section

413.5 To 5410. %



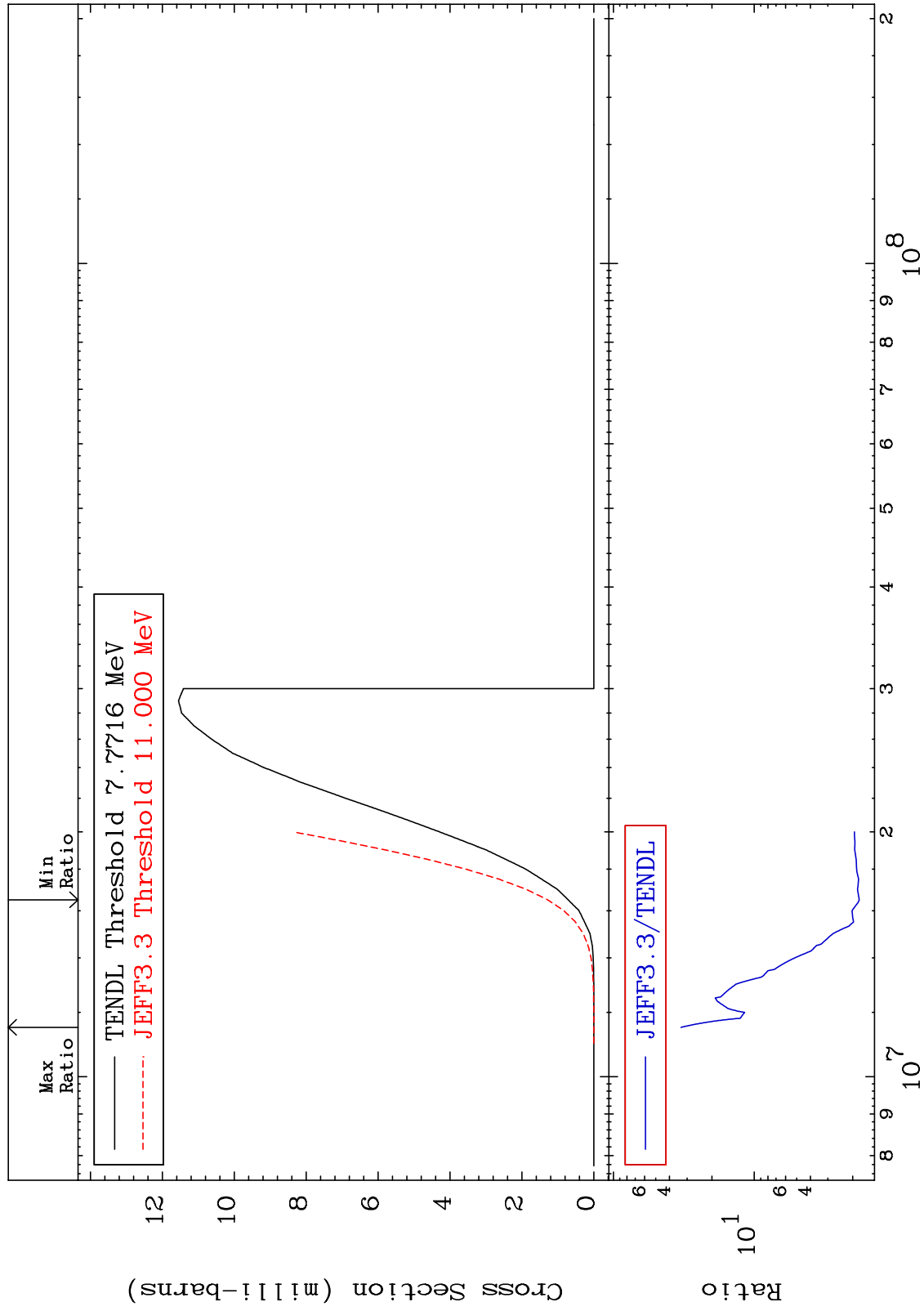
MAT 5461

(n, d)

54-Xe-136

Cross Section

79.79 To 3208. %



27

Incident Energy (eV)

54-Xe-136

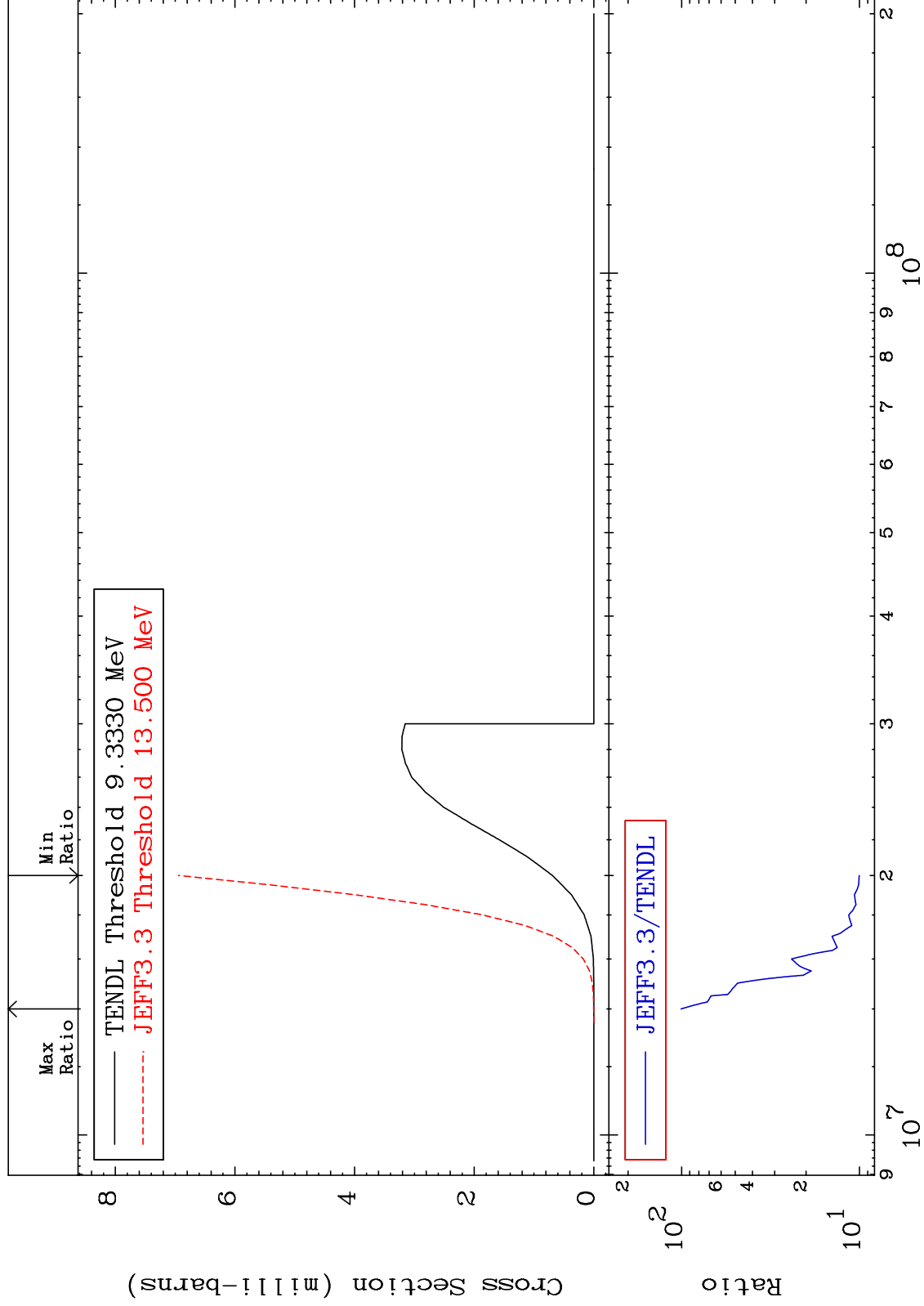
MAT 5461

(n, t)

54-Xe-136

Cross Section

903.2 To 9976. %



28

Incident Energy (eV)

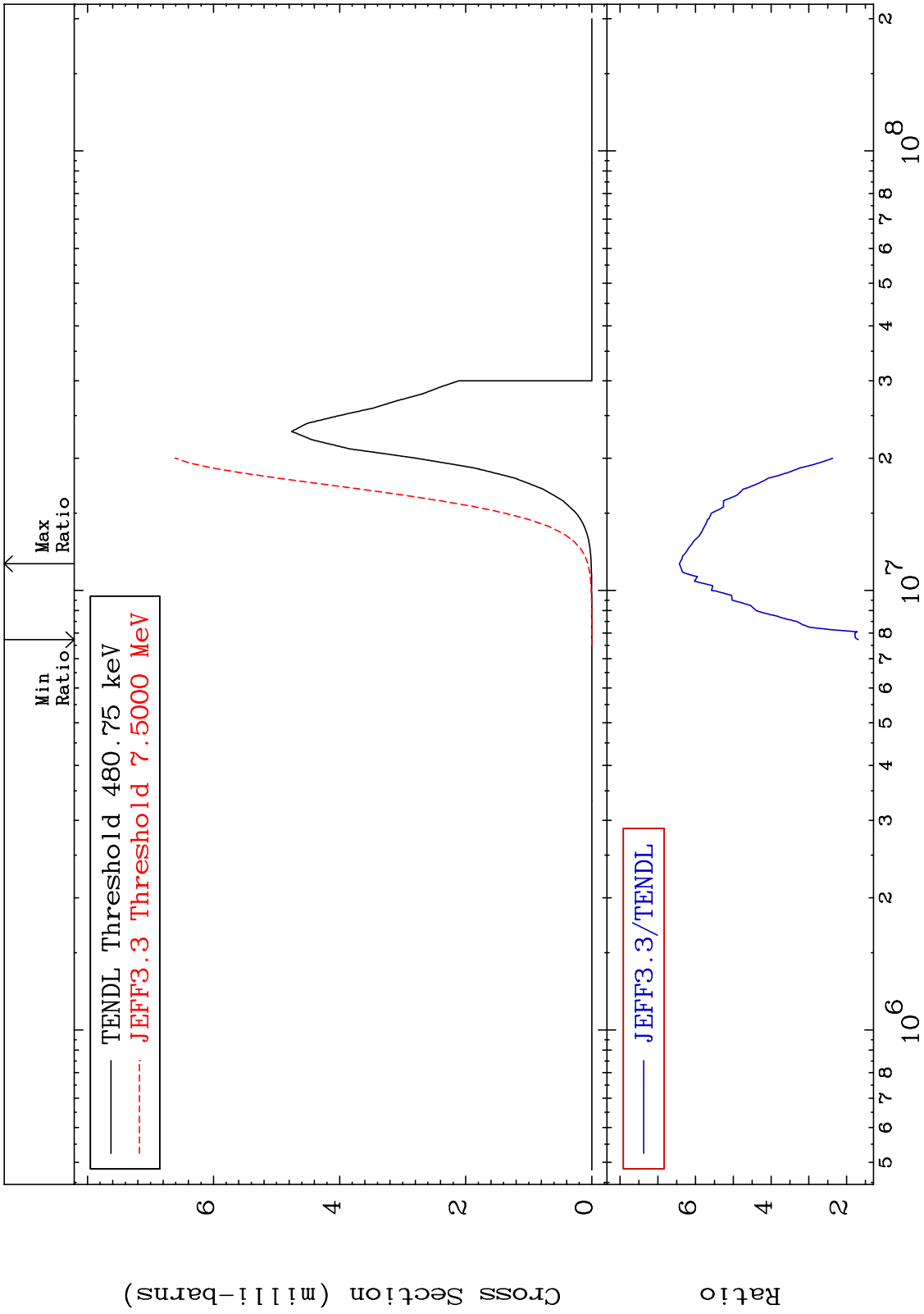
54-Xe-136

MAT 5461

54-Xe-136

69.15 To 542.8 %

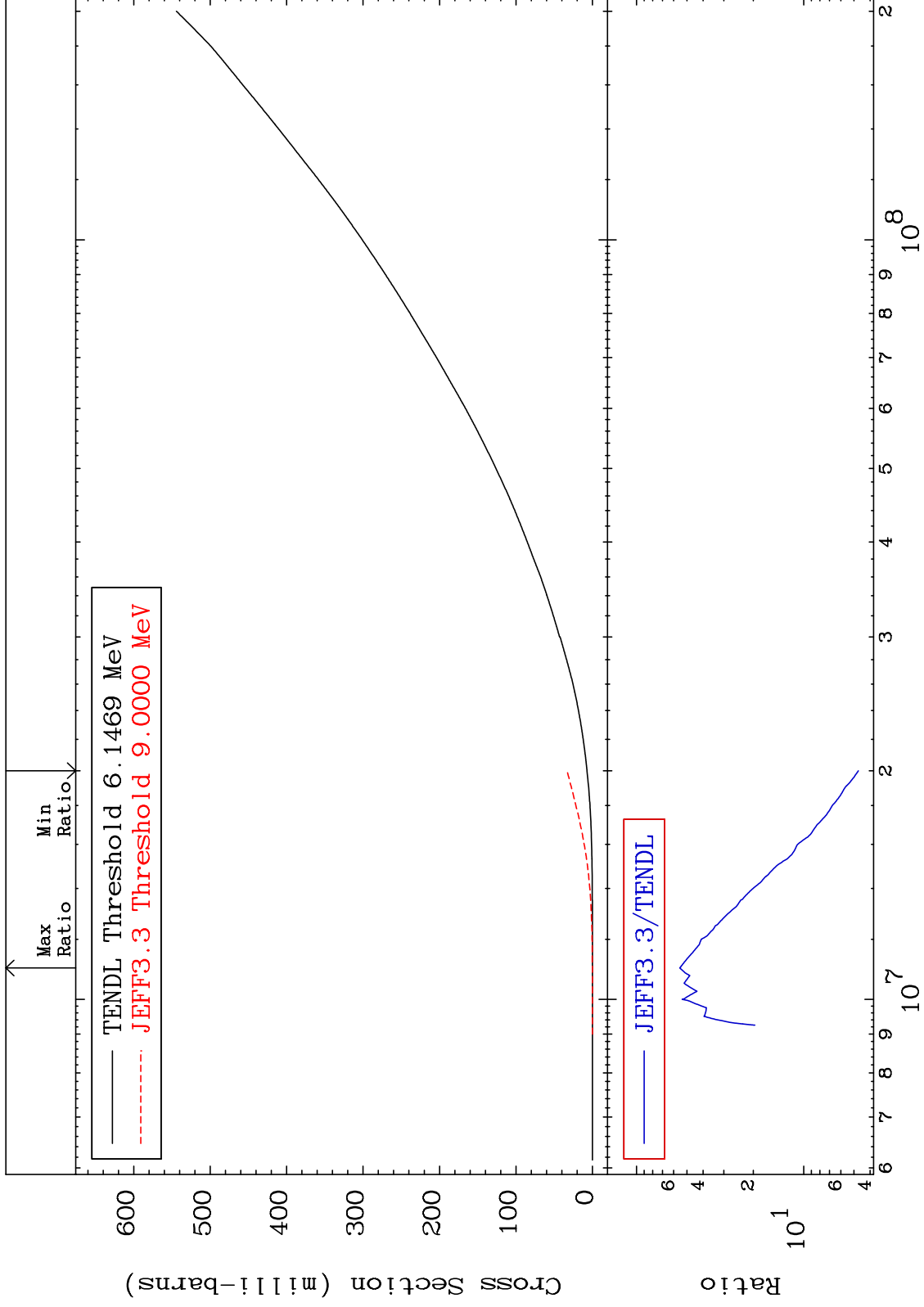
(n, α)
Cross Section



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Hydrogen Production
Cross Section

54-Xe-136
370.8 To 5410. %



30

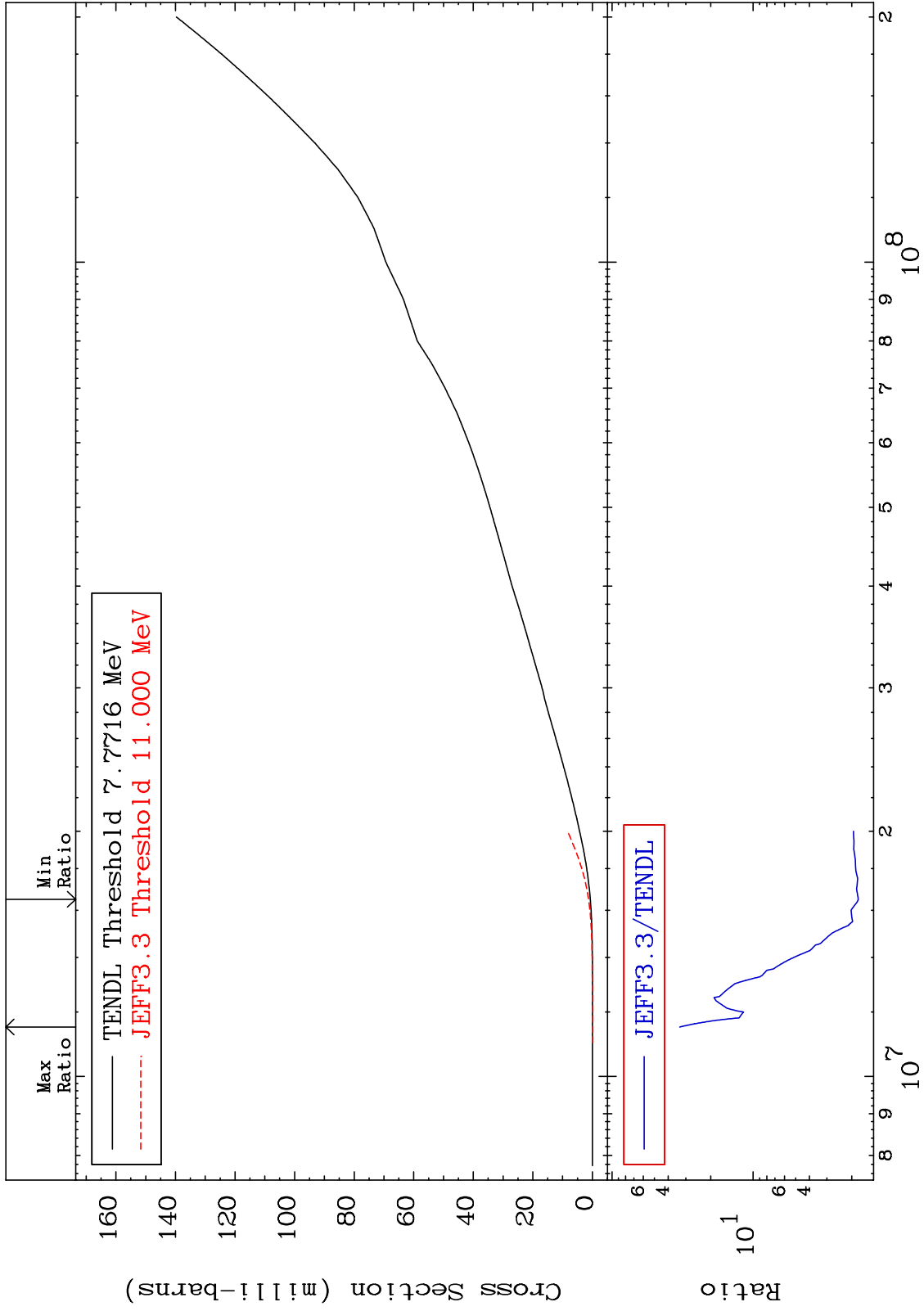
Incident Energy (eV)

54-Xe-136

MAT 5461

Deuterium Production
Cross Section

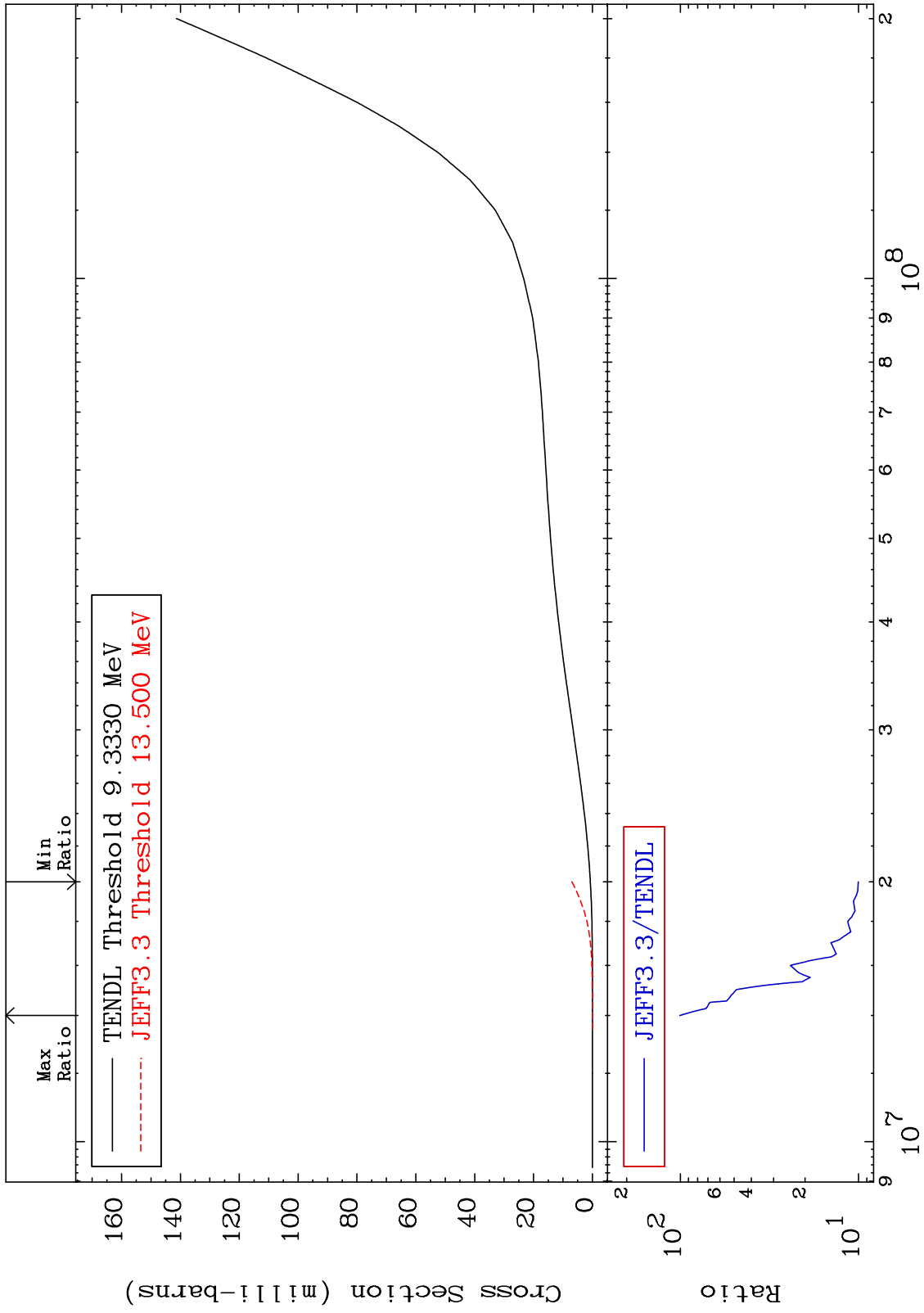
54-Xe-136
79.79 To 3208. %



MAT 5461

Tritium Production
Cross Section

54-Xe-136
903.1 To 9976. %



32

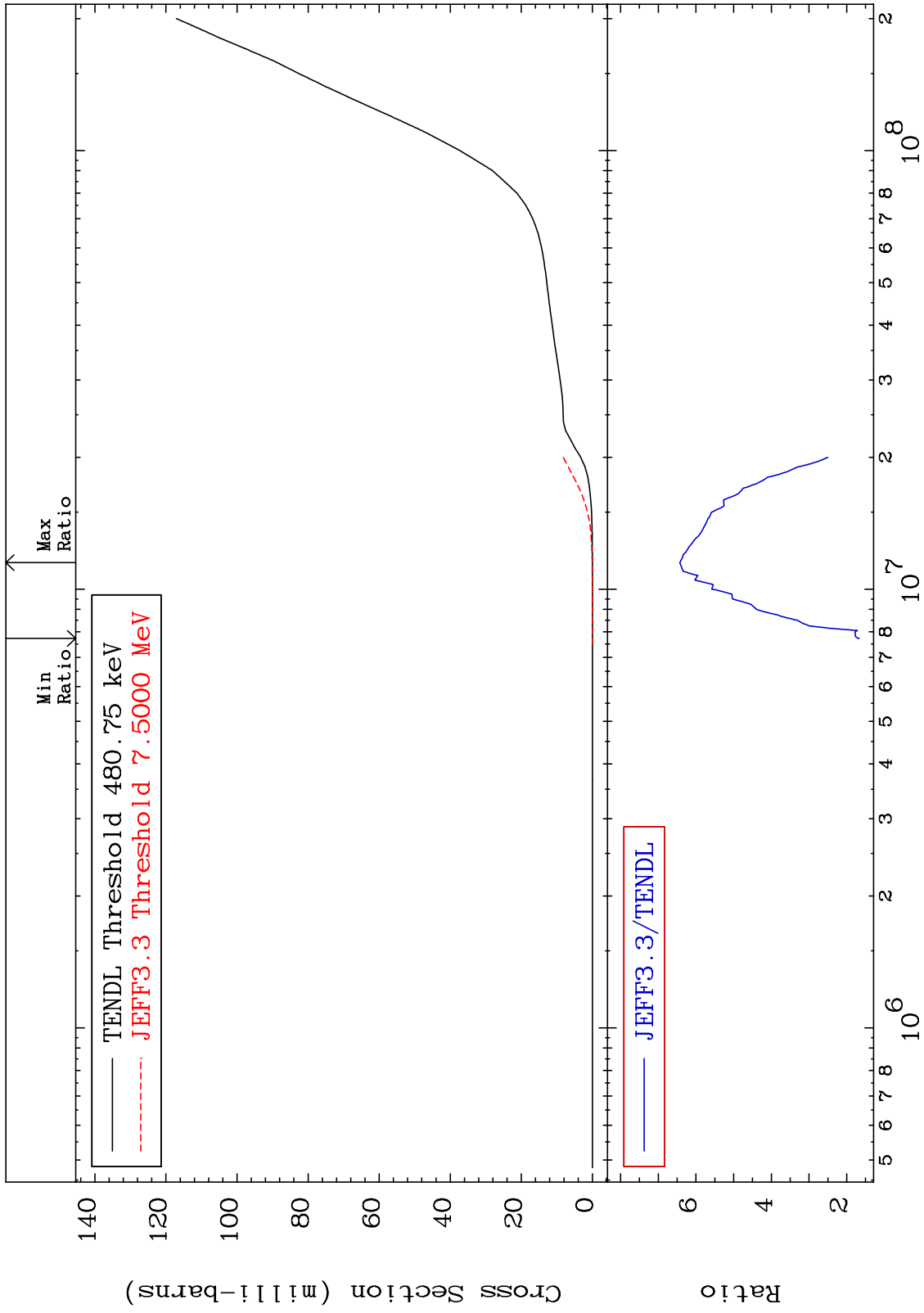
Incident Energy (eV)

54-Xe-136

MAT 5461

He-4 Production
Cross Section

54-Xe-136
69.15 To 542.8 %



33

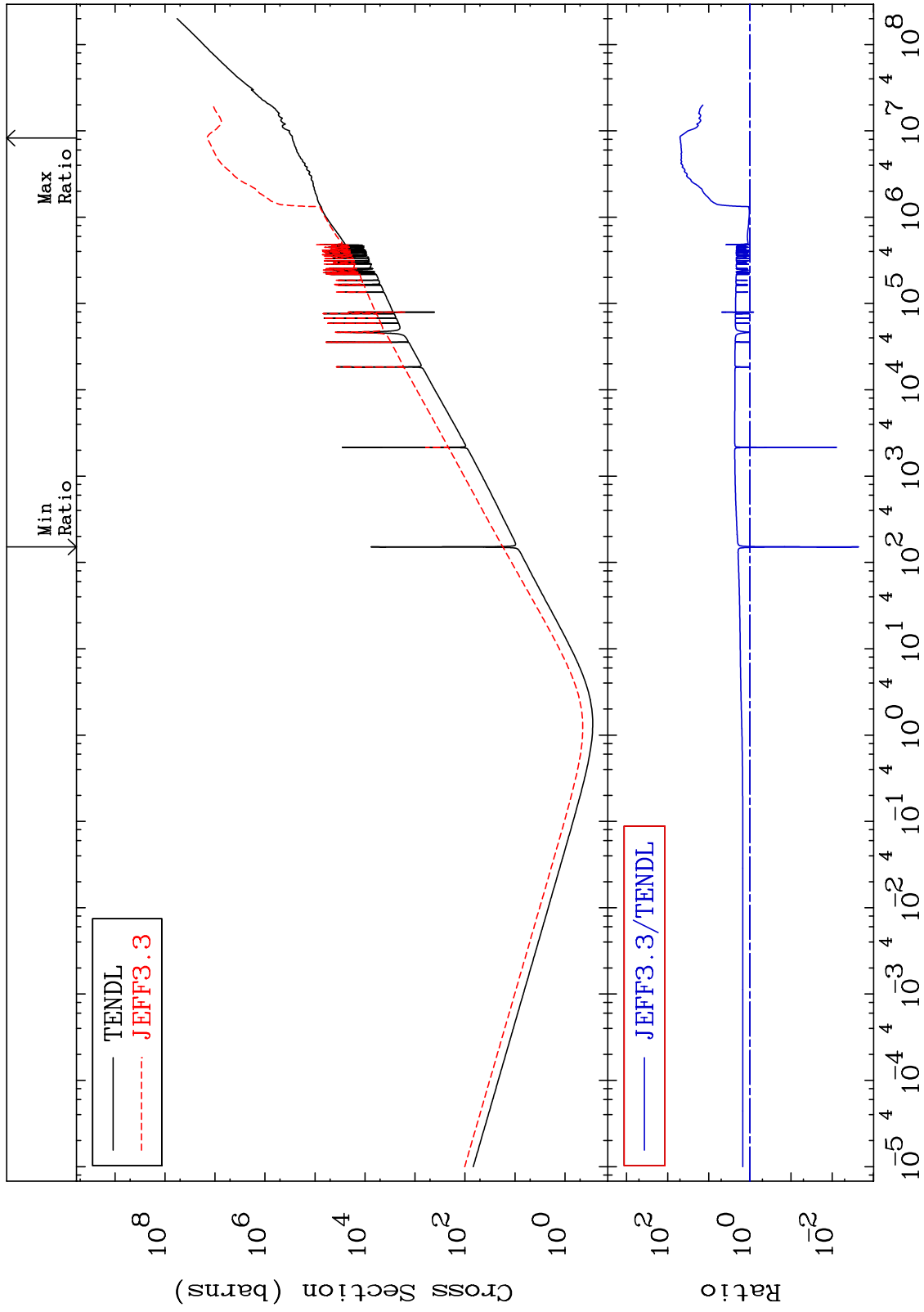
Incident Energy (eV)

54-Xe-136

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Kerma total (eV-barns)
Cross Section

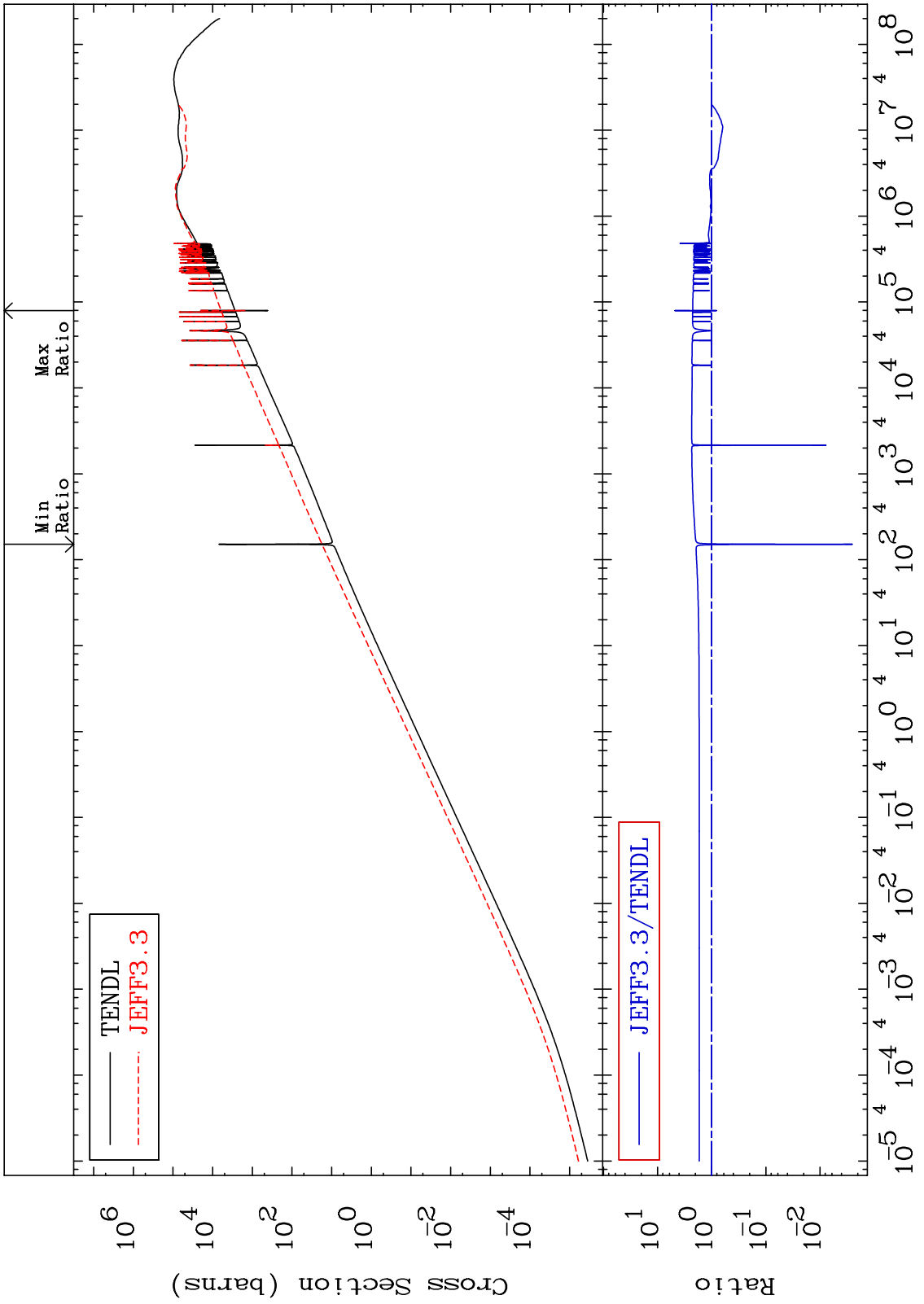
54-Xe-136
-99.77 To 4899. %



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Kerma elastic
Cross Section

54-Xe-136
-99.75 To 384.7 %



35

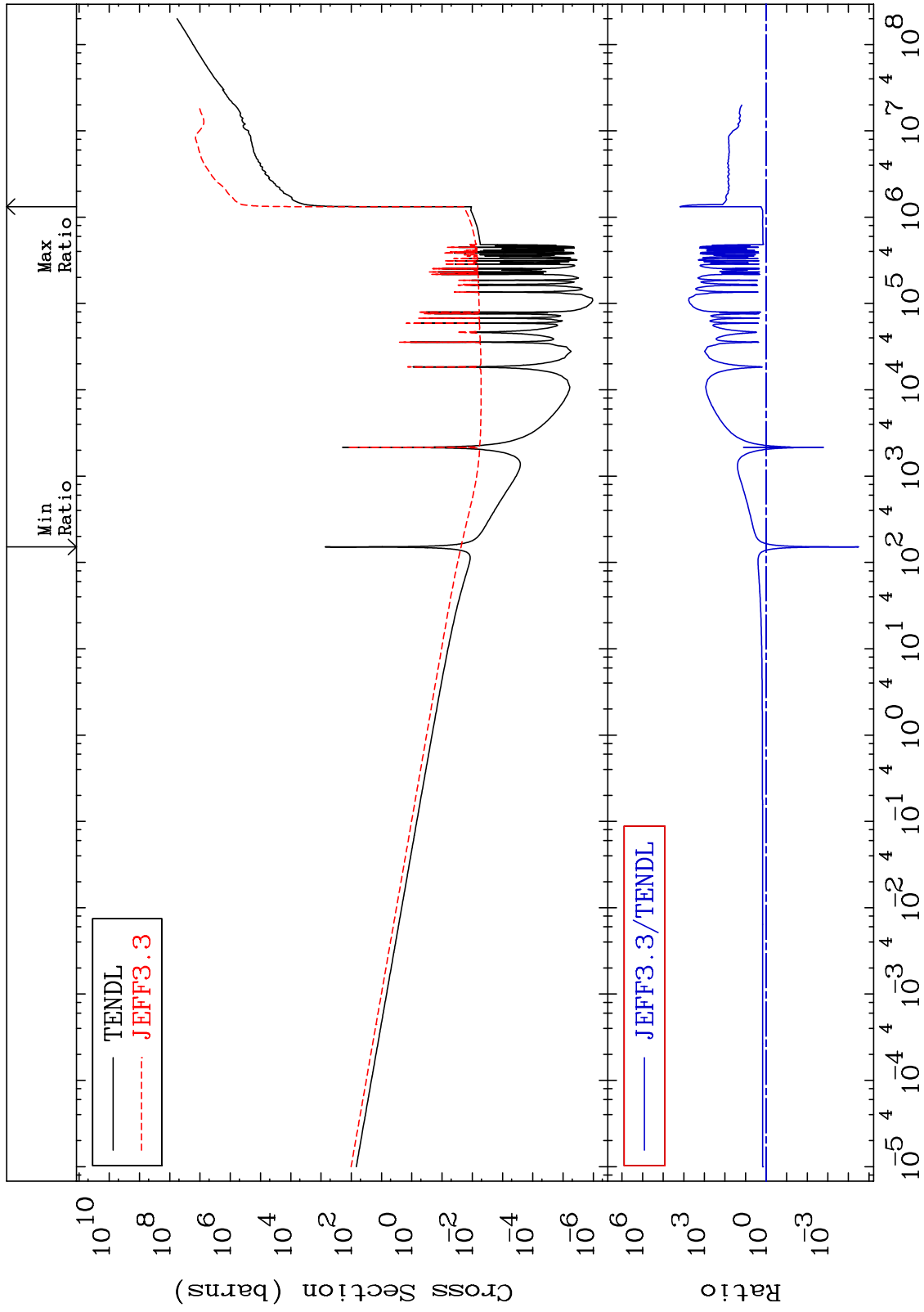
Incident Energy (eV)

54-Xe-136

MAT 5461

Kerma non-elastic (all but mt2)
Cross Section

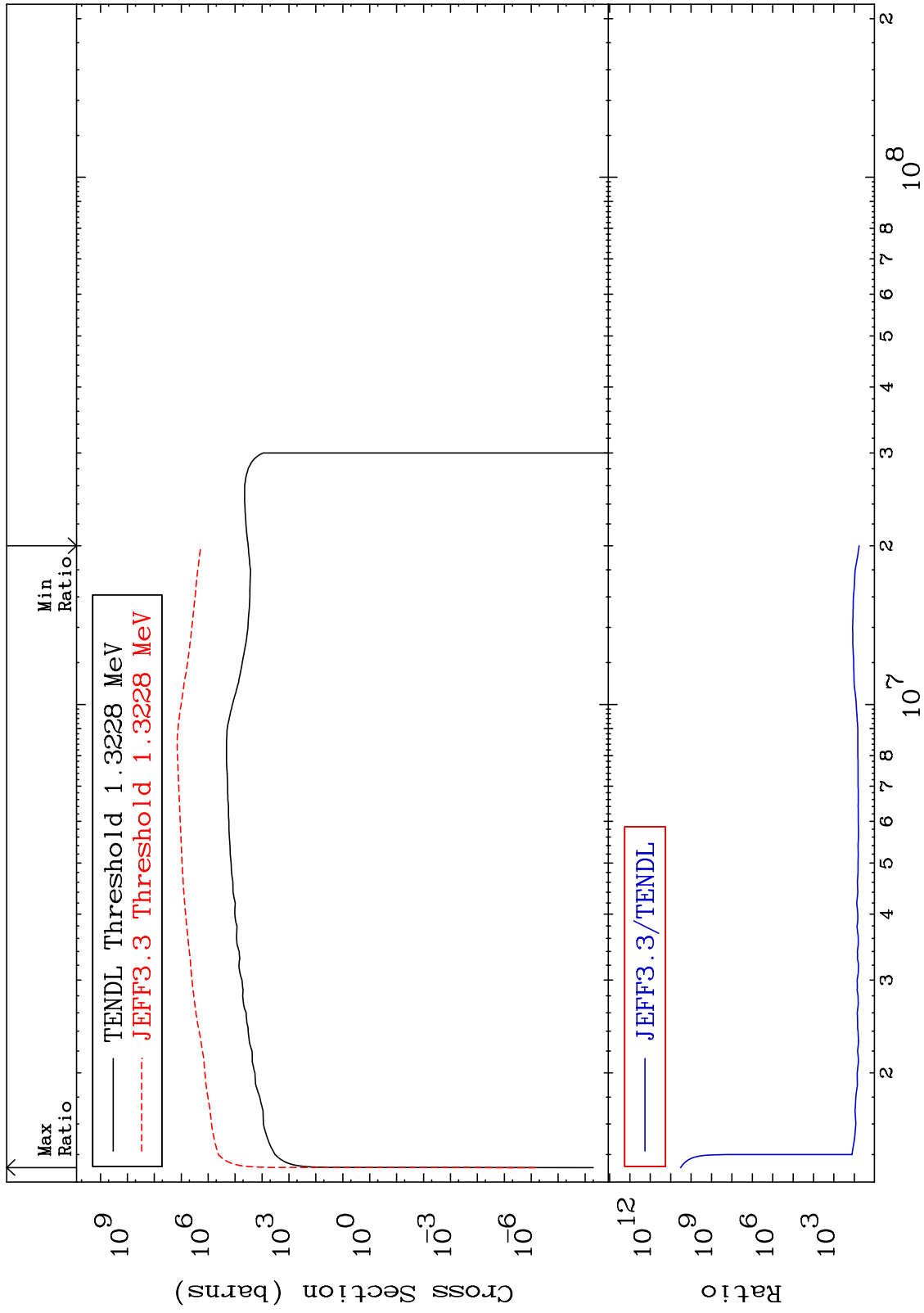
54-Xe-136
-100.0 To 9999. %



MAT 5461

Kerma inelastic (mt51-91)
Cross Section

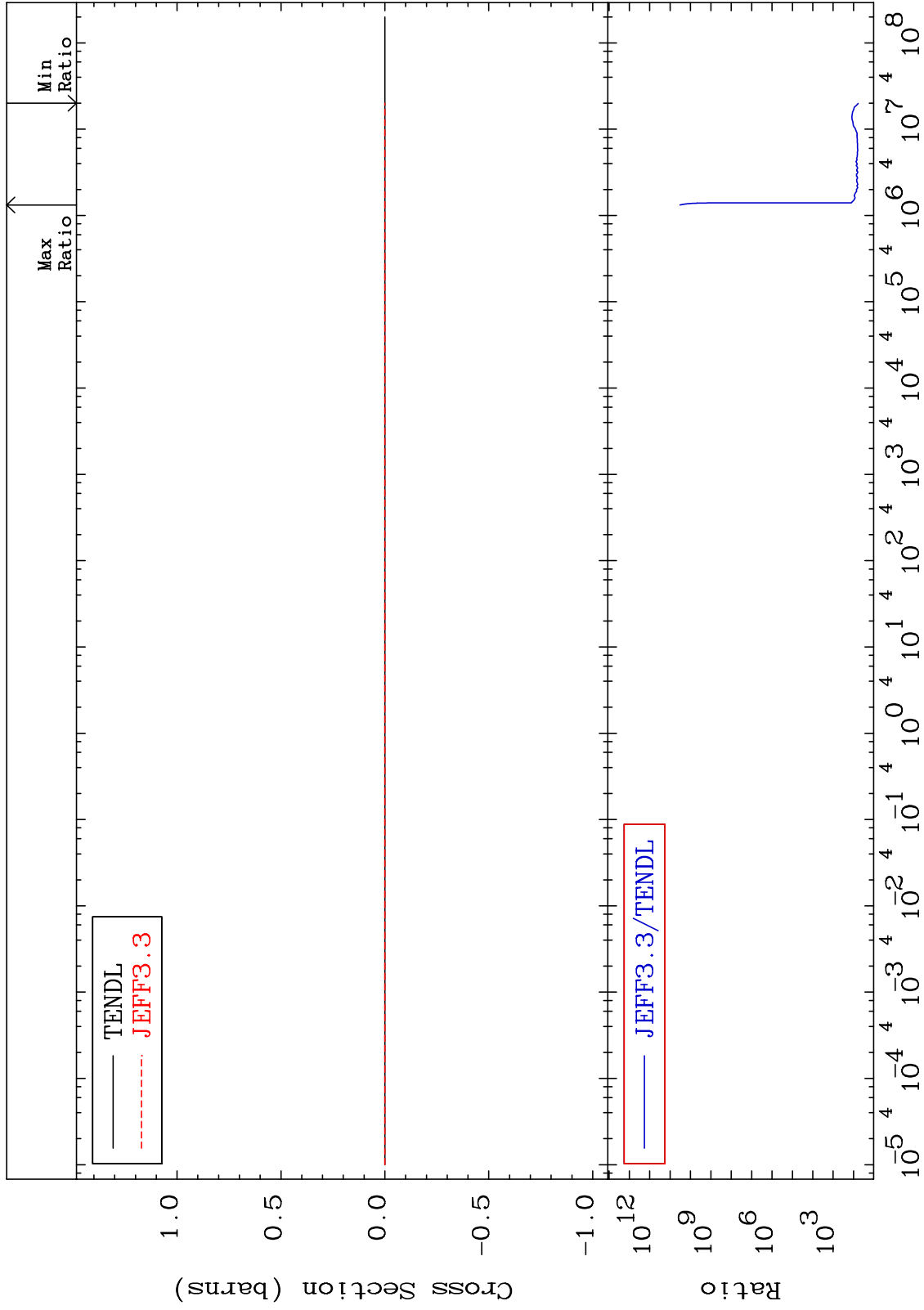
54-Xe-136
5668. To 9999. %



MAT 5461

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

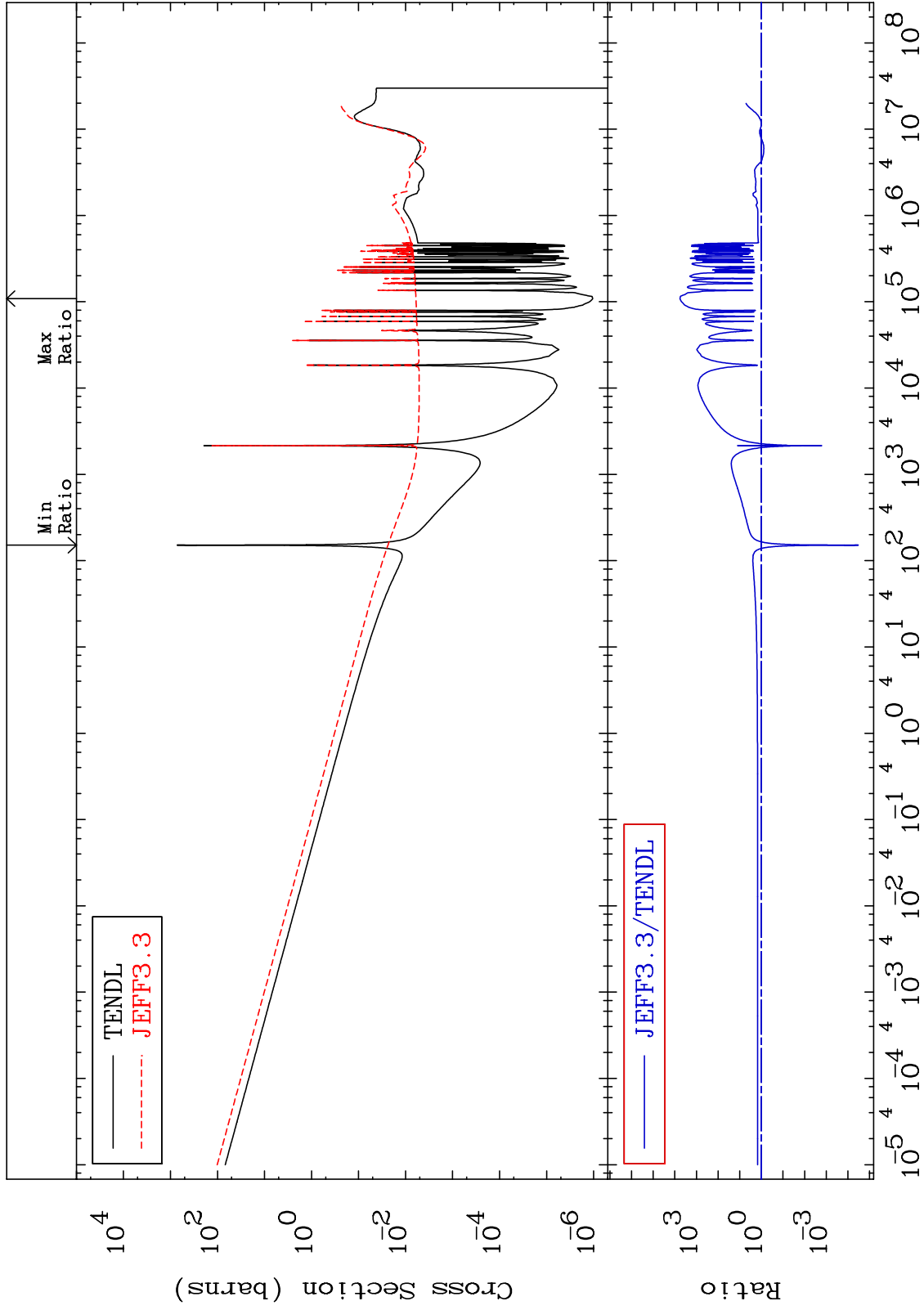
54-Xe-136
5668. To 9999. %



MAT 5461

Kerma capture (mt102)
Cross Section

54-Xe-136
-100.0 To 9999. %



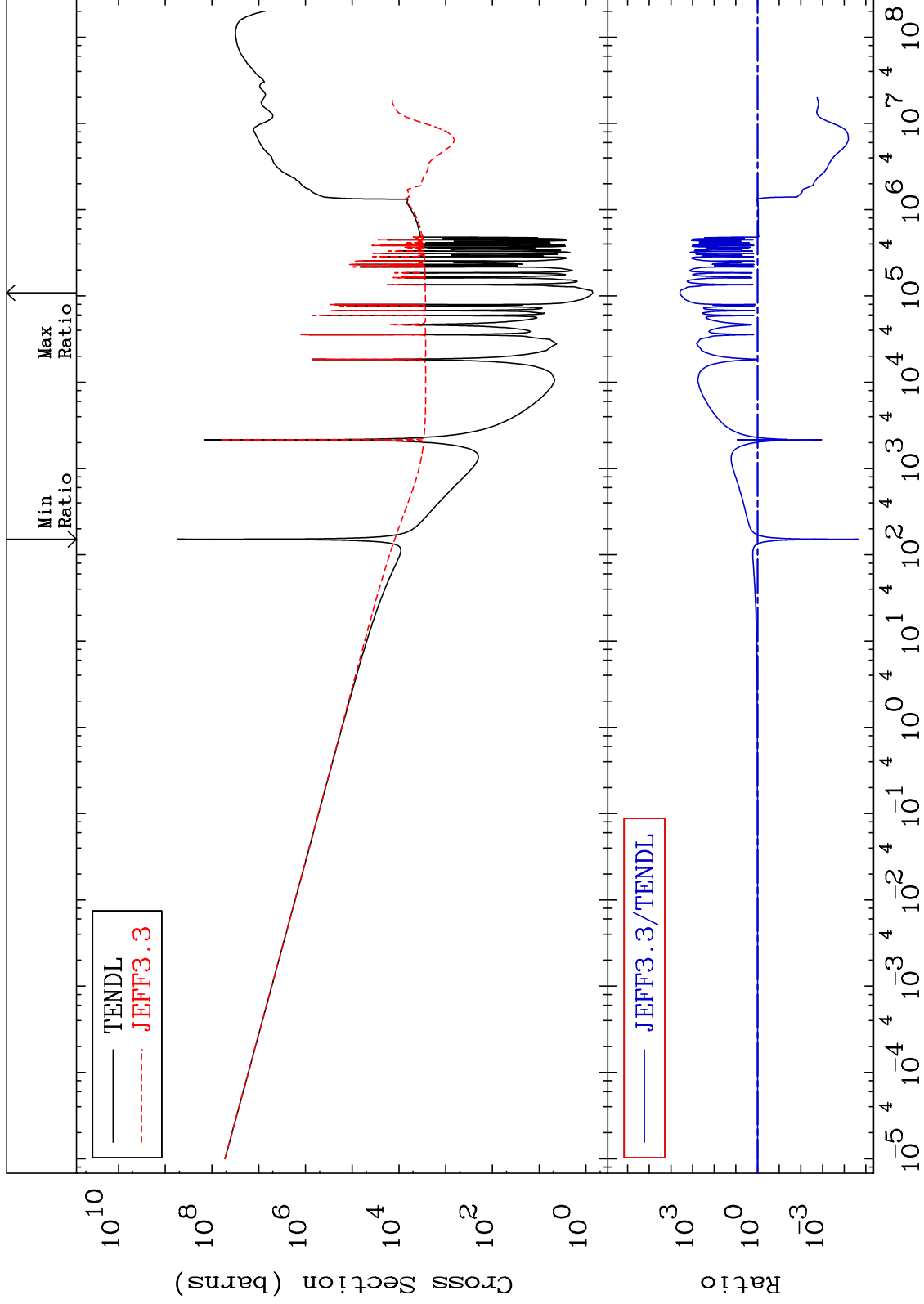
— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

MAT 5461

Total photon (eV-barns)
Cross Section

54-Xe-136
-100.0 To 9999. %



40

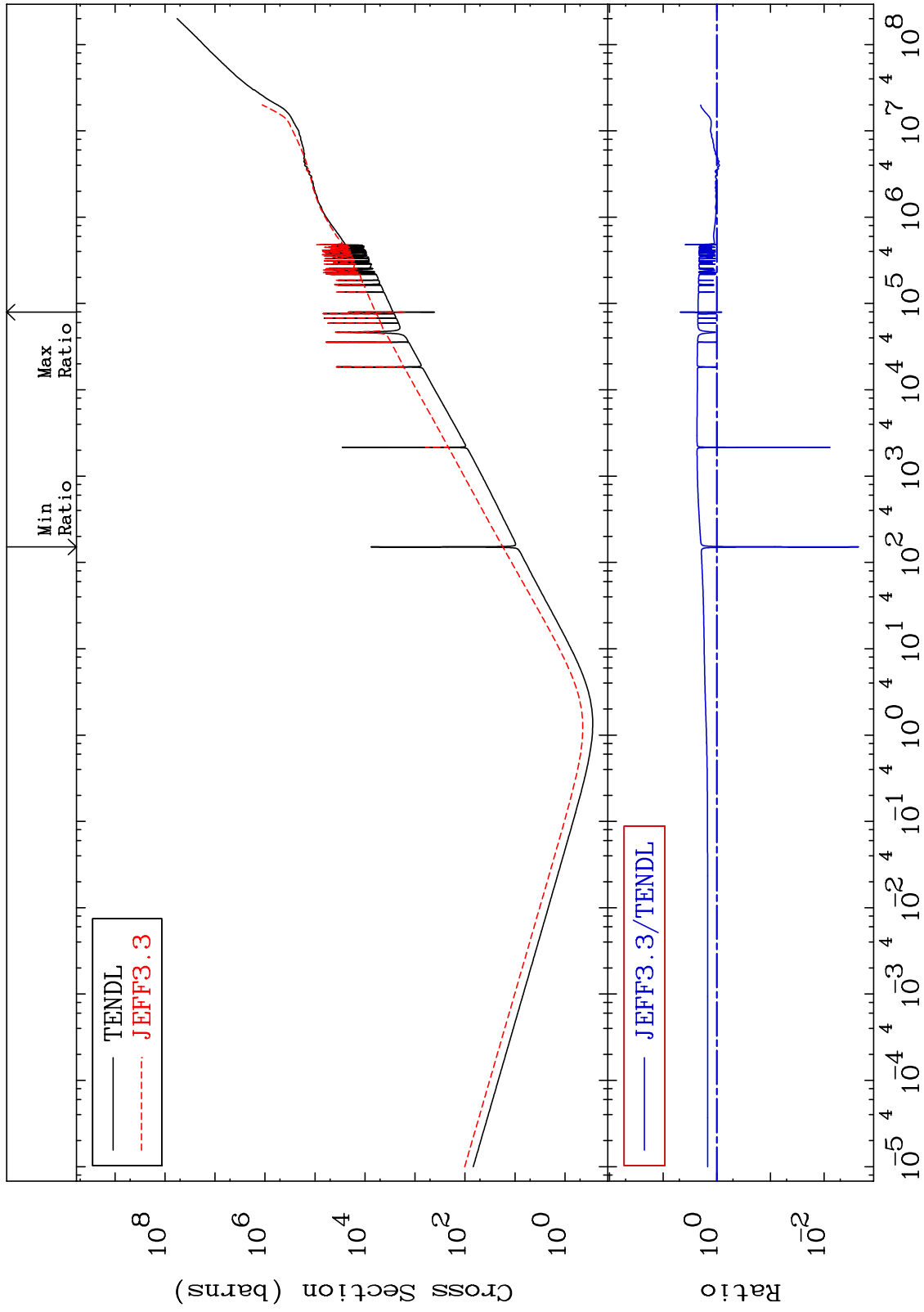
Incident Energy (eV)

54-Xe-136

MAT 5461

Total kinematic kerma (high limit)
Cross Section

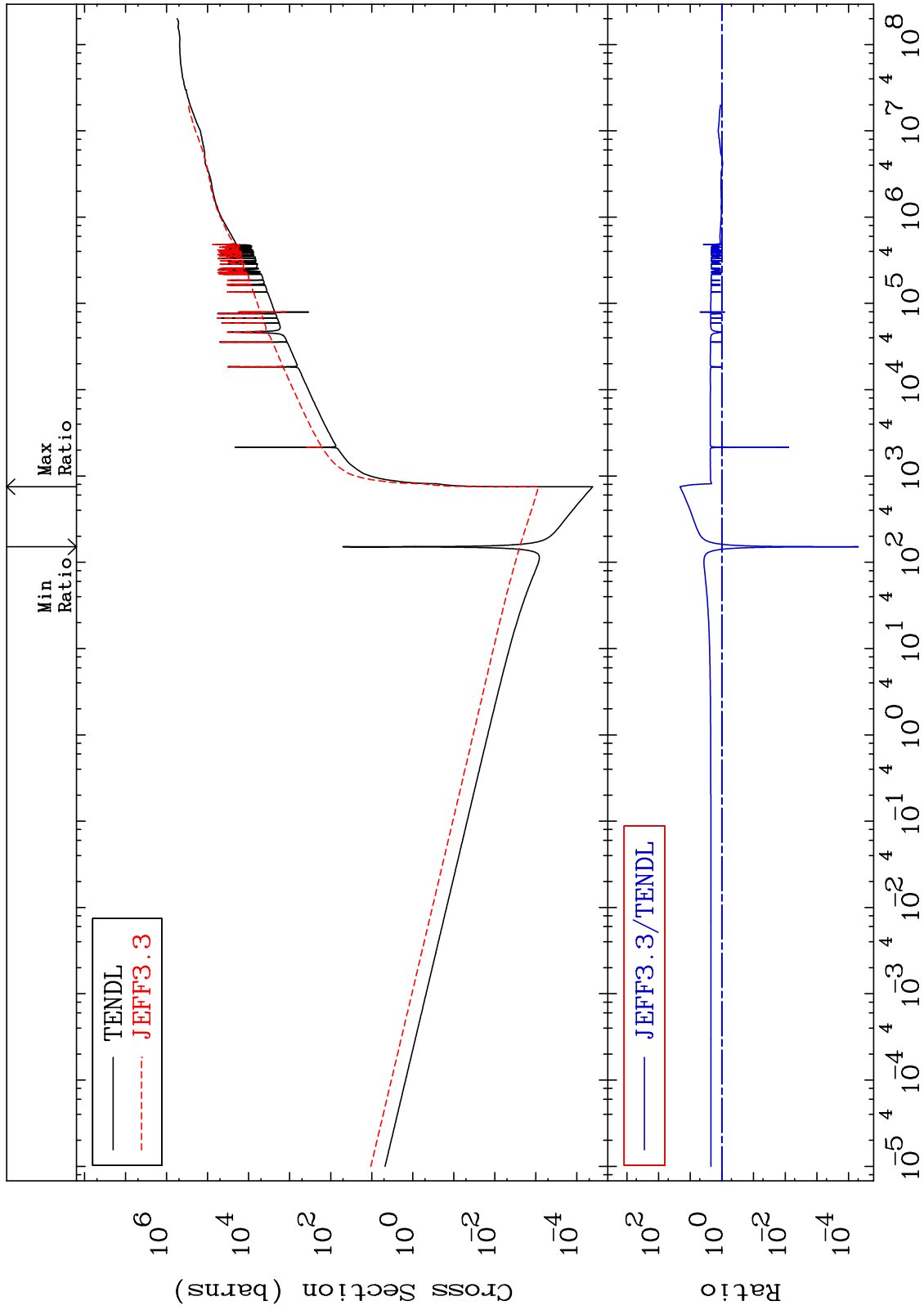
54-Xe-136
-99.77 To 384.7 %



MAT 5461

Dpa total (eV-barns)
Cross Section

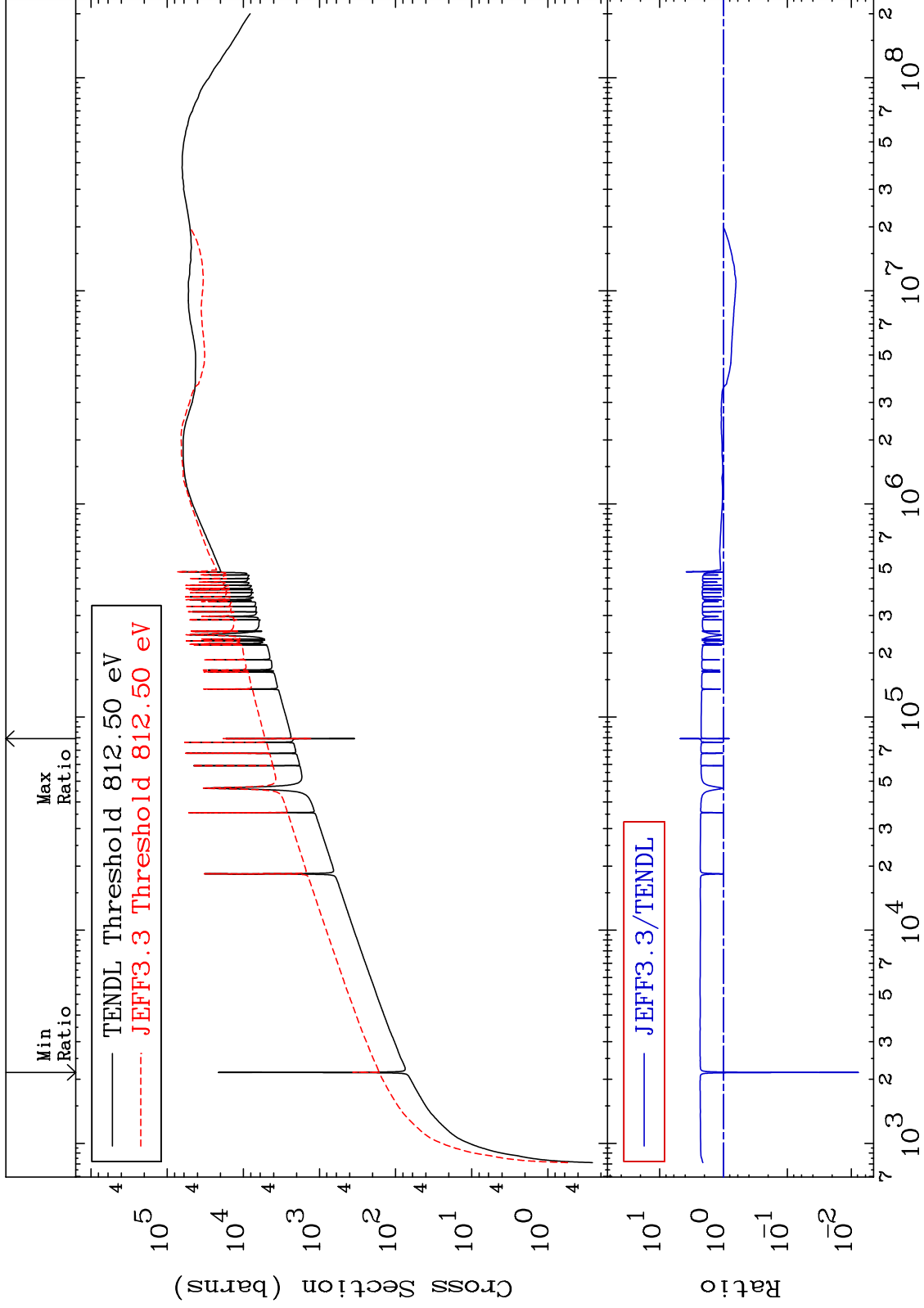
54-Xe-136
-100.0 To 1999. %



MAT 5461

Dpa elastic (mt2)
Cross Section

54-Xe-136
-99.22 To 384.9 %



43

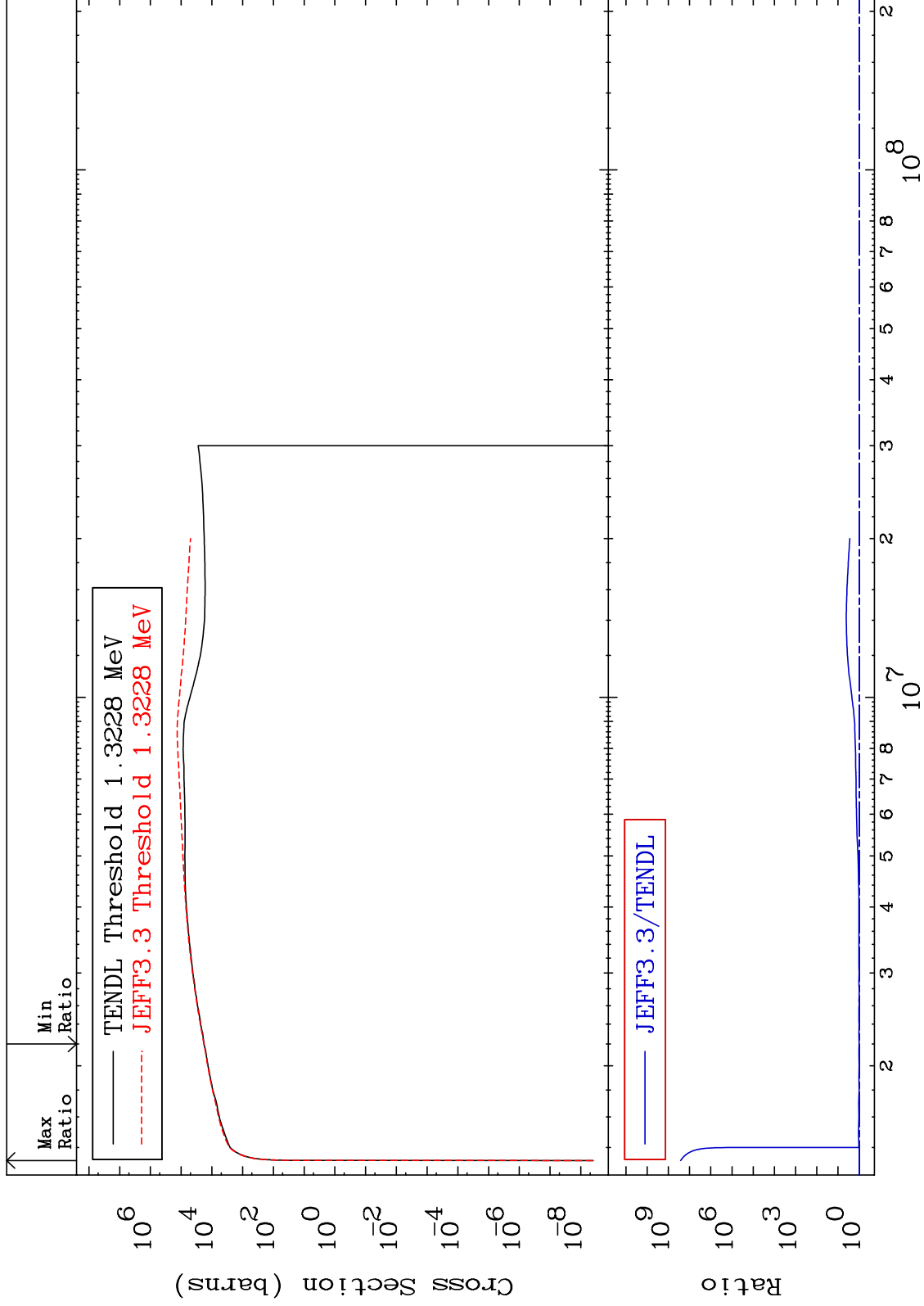
Incident Energy (eV)

54-Xe-136

MAT 5461

Dpa inelastic (mt51-91)
Cross Section

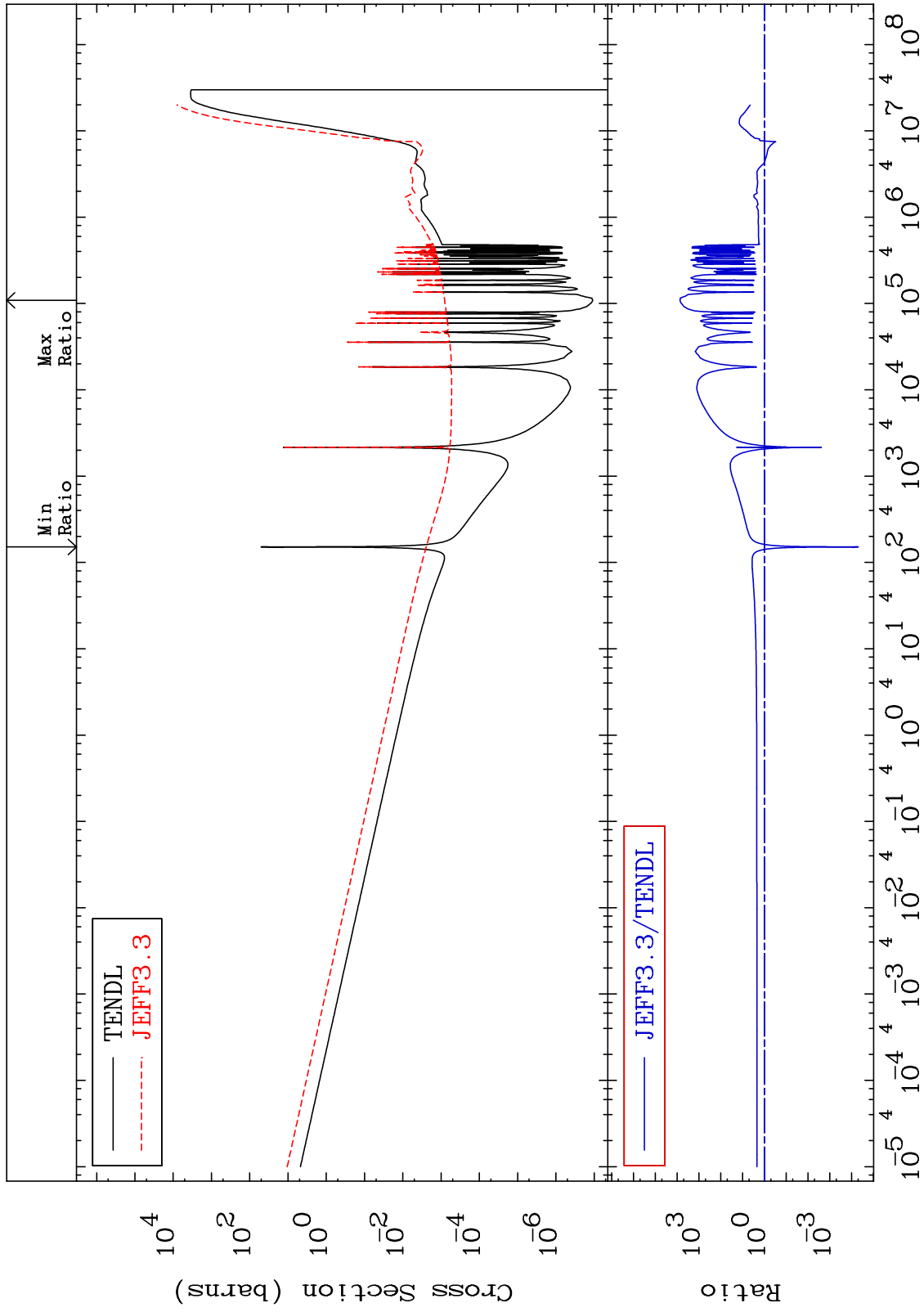
54-Xe-136
0.853 To 9999. %



MAT 5461

Dpa disappearance (mt102 -120)
Cross Section

54-Xe-136
-100.0 To 9999. %



45

Incident Energy (eV)

54-Xe-136