

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

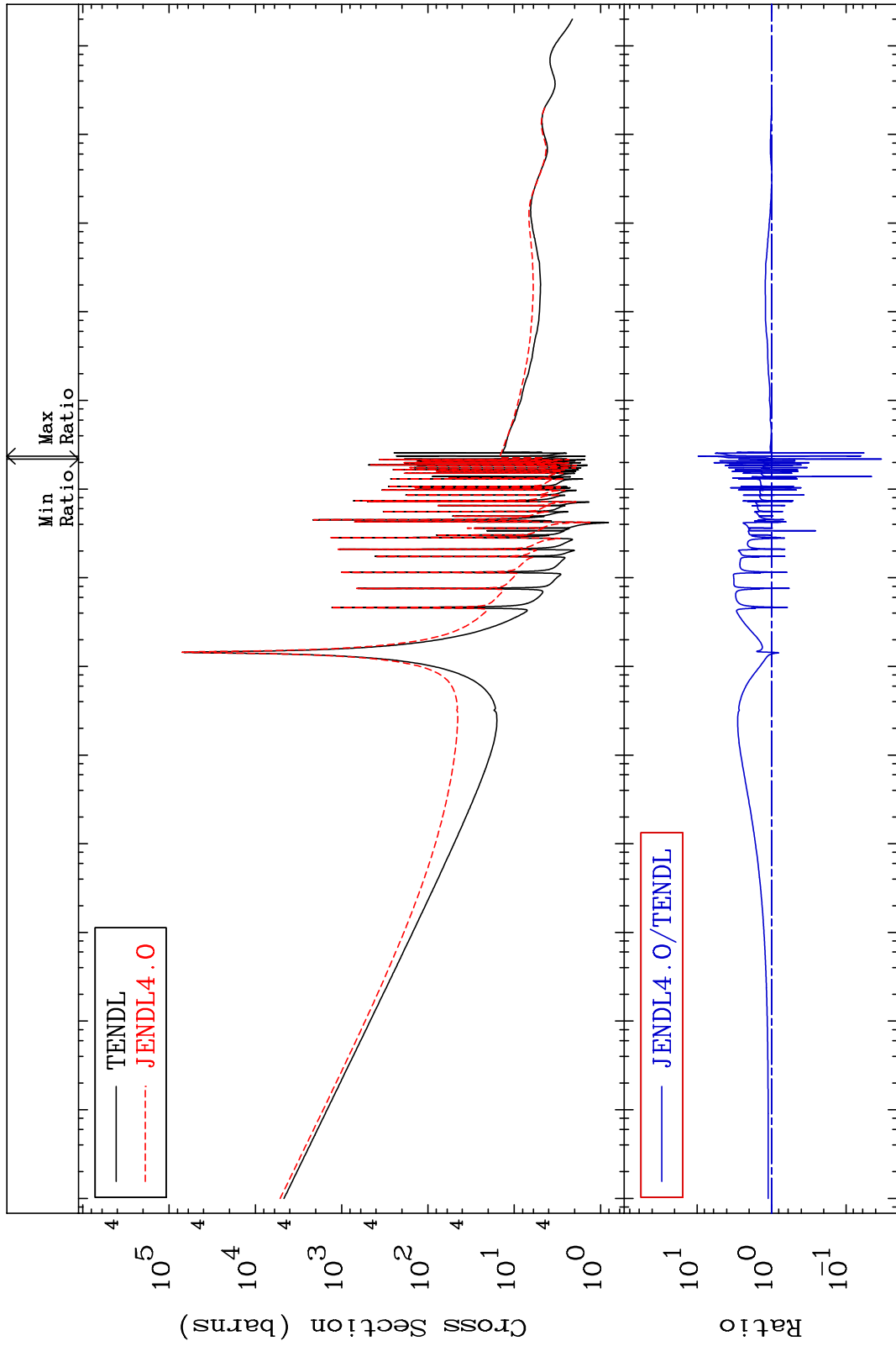
MAT 5446

Total

54-Xe-131

Cross Section

-96.66 To 861.3 %



1

Incident Energy (eV)

54-Xe-131

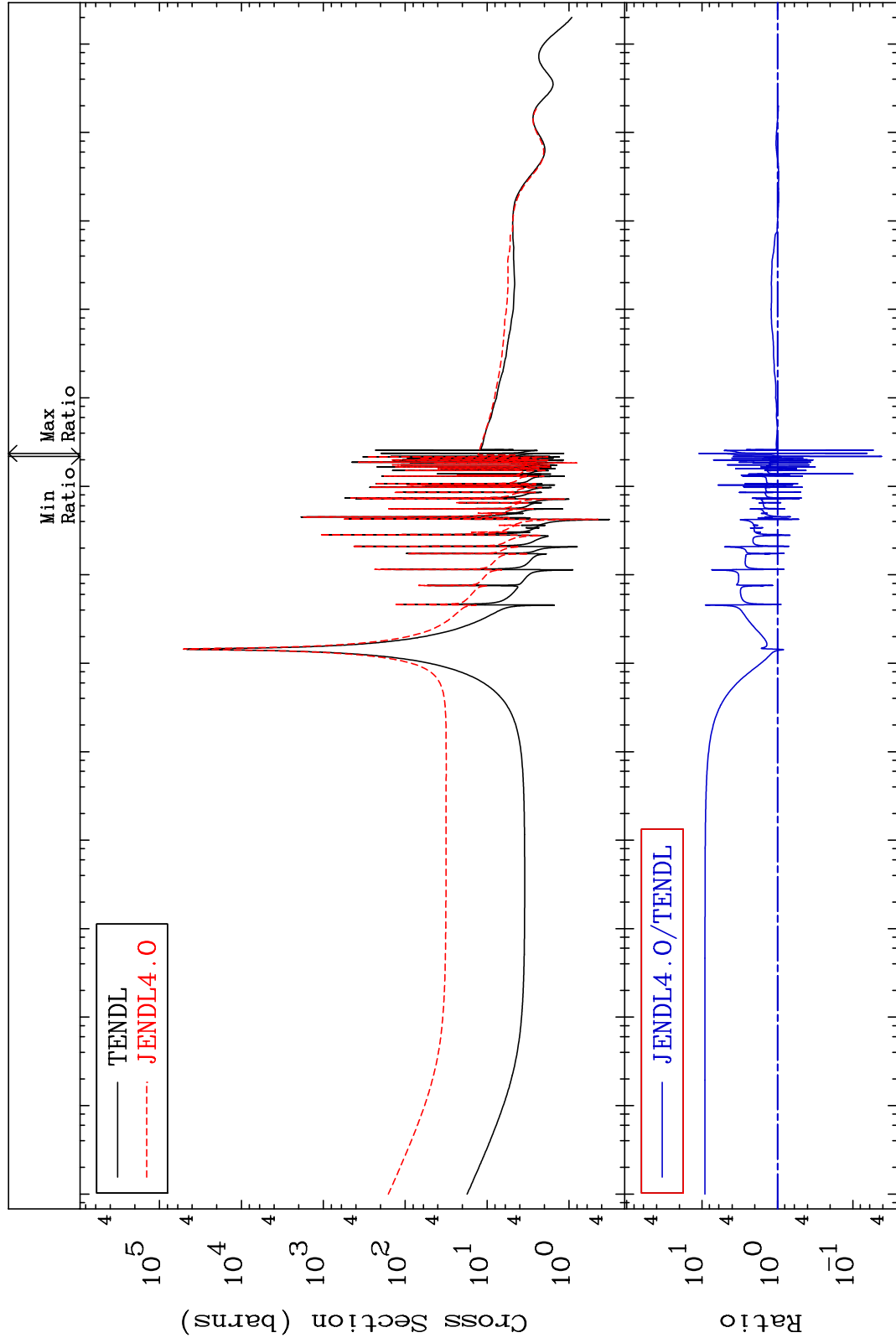
MAT 5446

Elastic

54-Xe-131

Cross Section

-95.83 To 1009. %



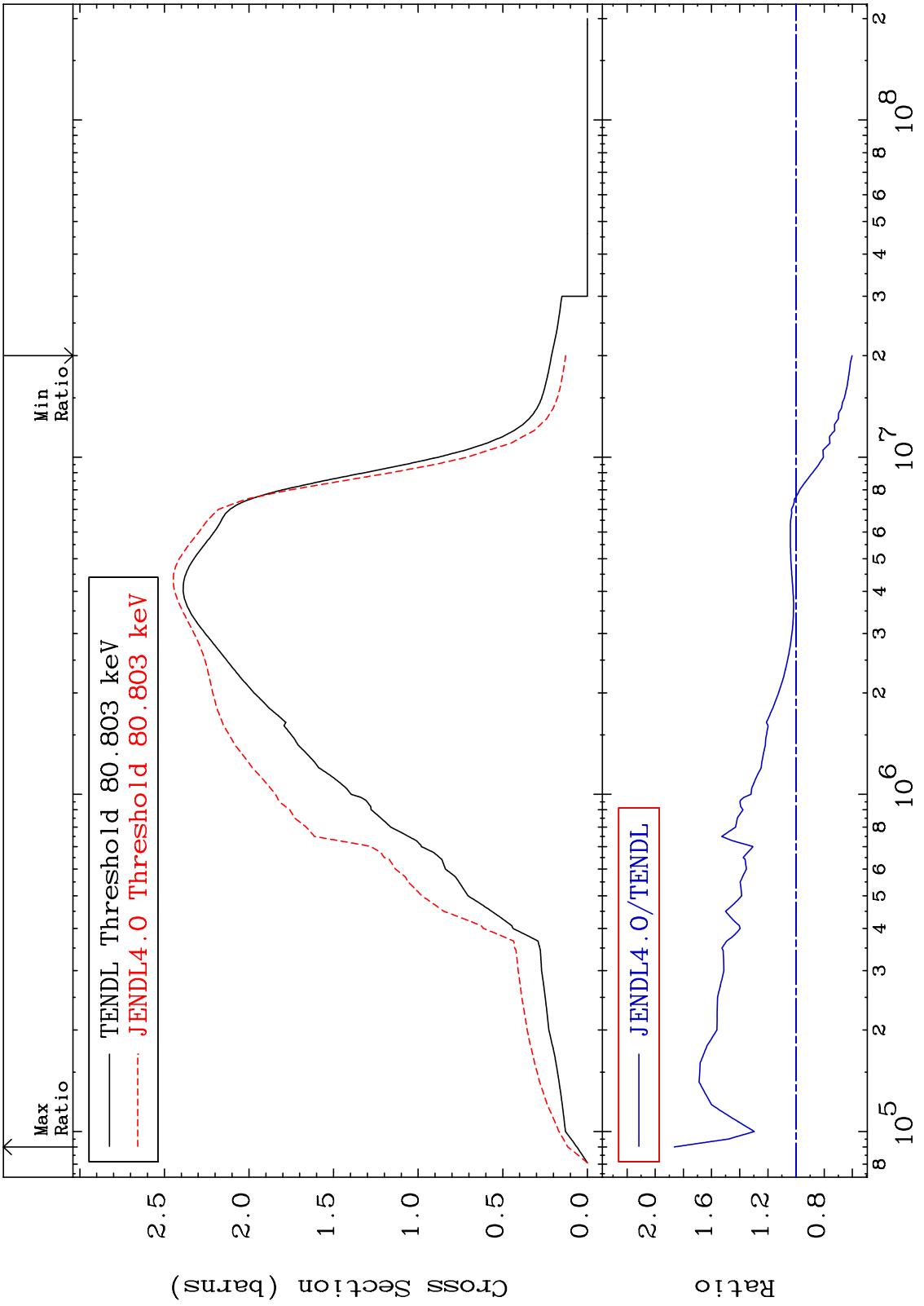
Incident Energy (eV)

54-Xe-131

MAT 5446

Inelastic
Cross Section

54-Xe-131
-39.82 To 86.39 %

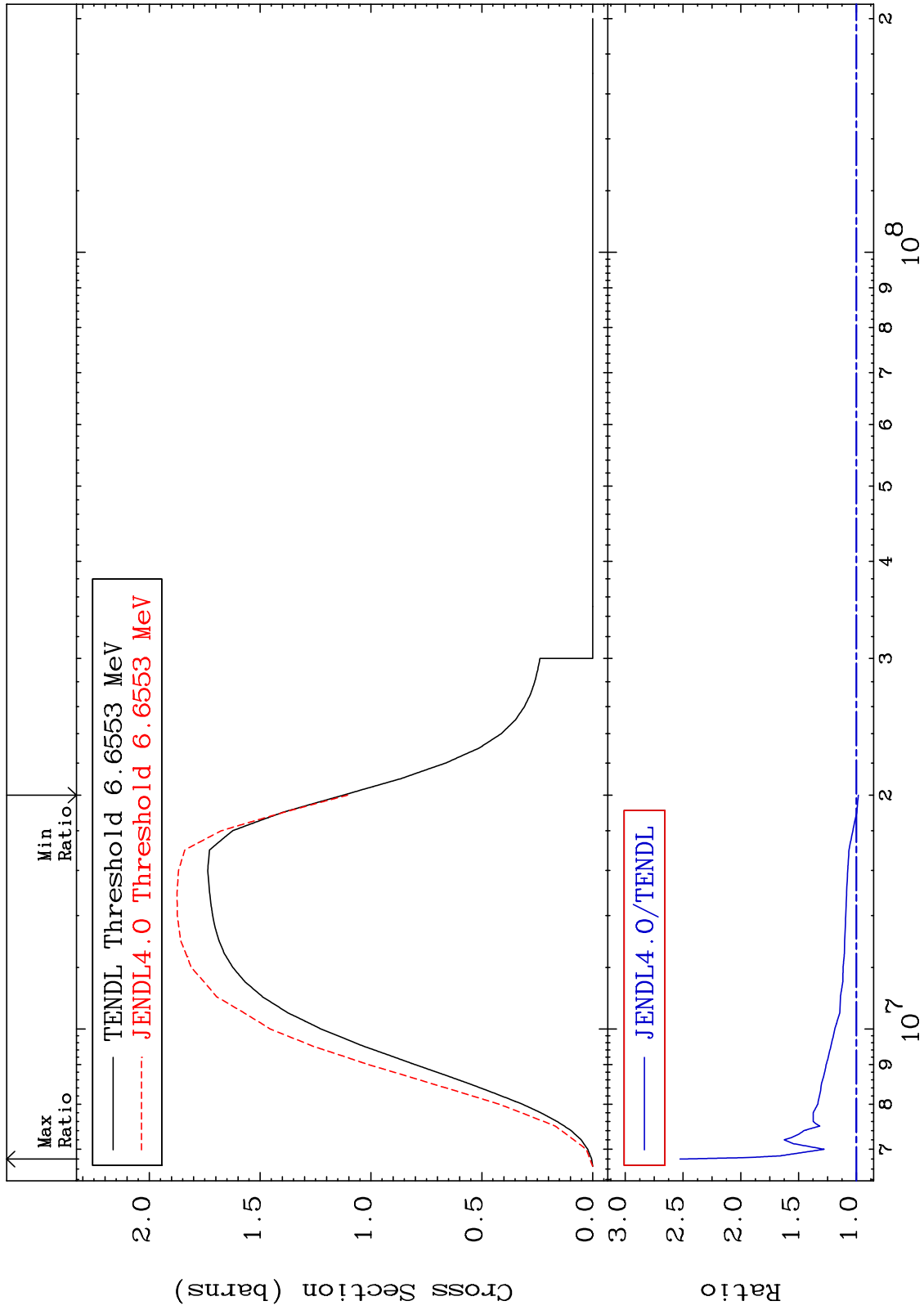


54-Xe-131

Incident Energy (eV)

3

MAT 5446 (n,2n) 54-Xe-131
Cross Section -1.707 To 152.7 %



MAT 5446

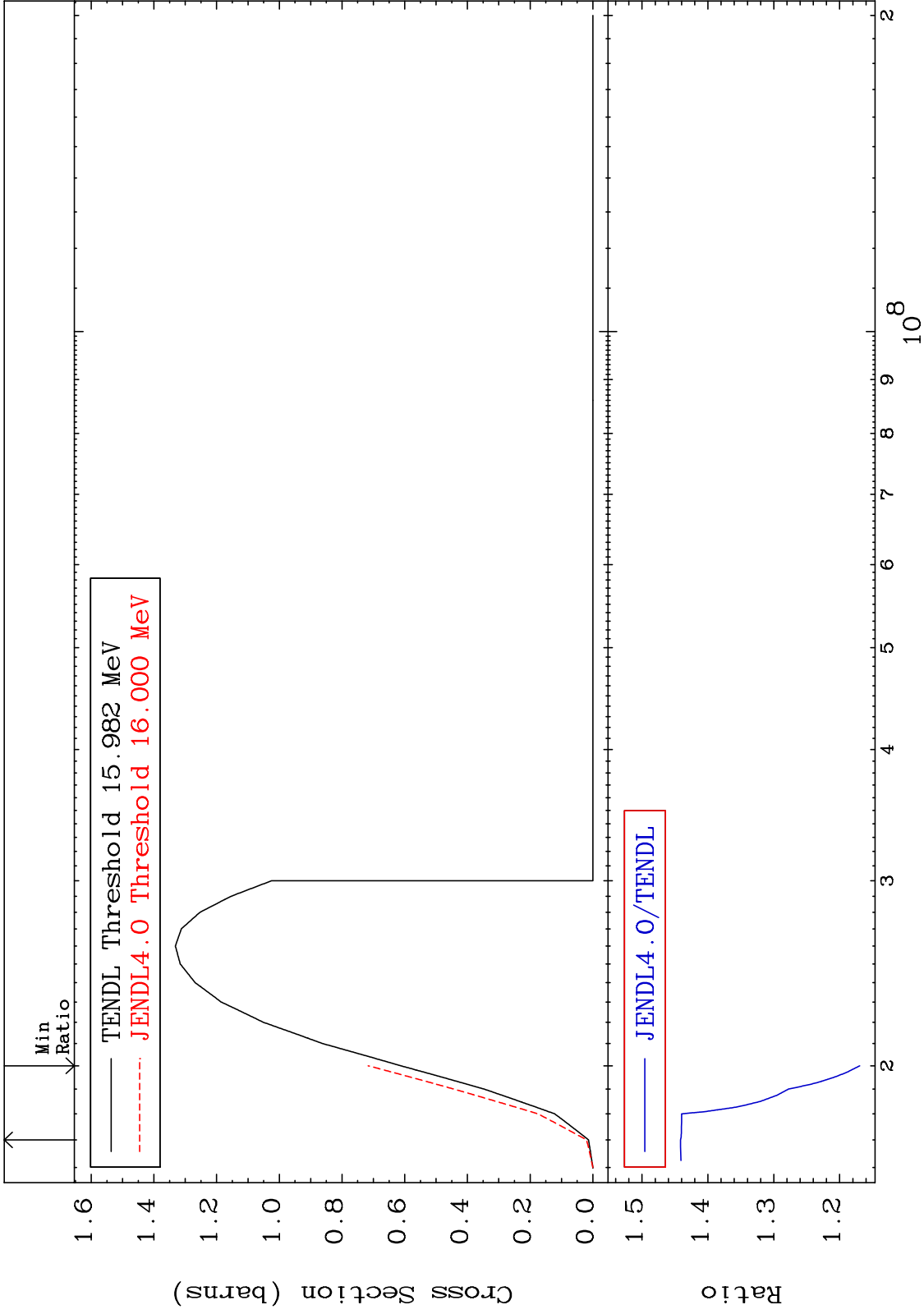
(n,3n)

54-Xe-131

Cross Section

16.95

To 44.15 %



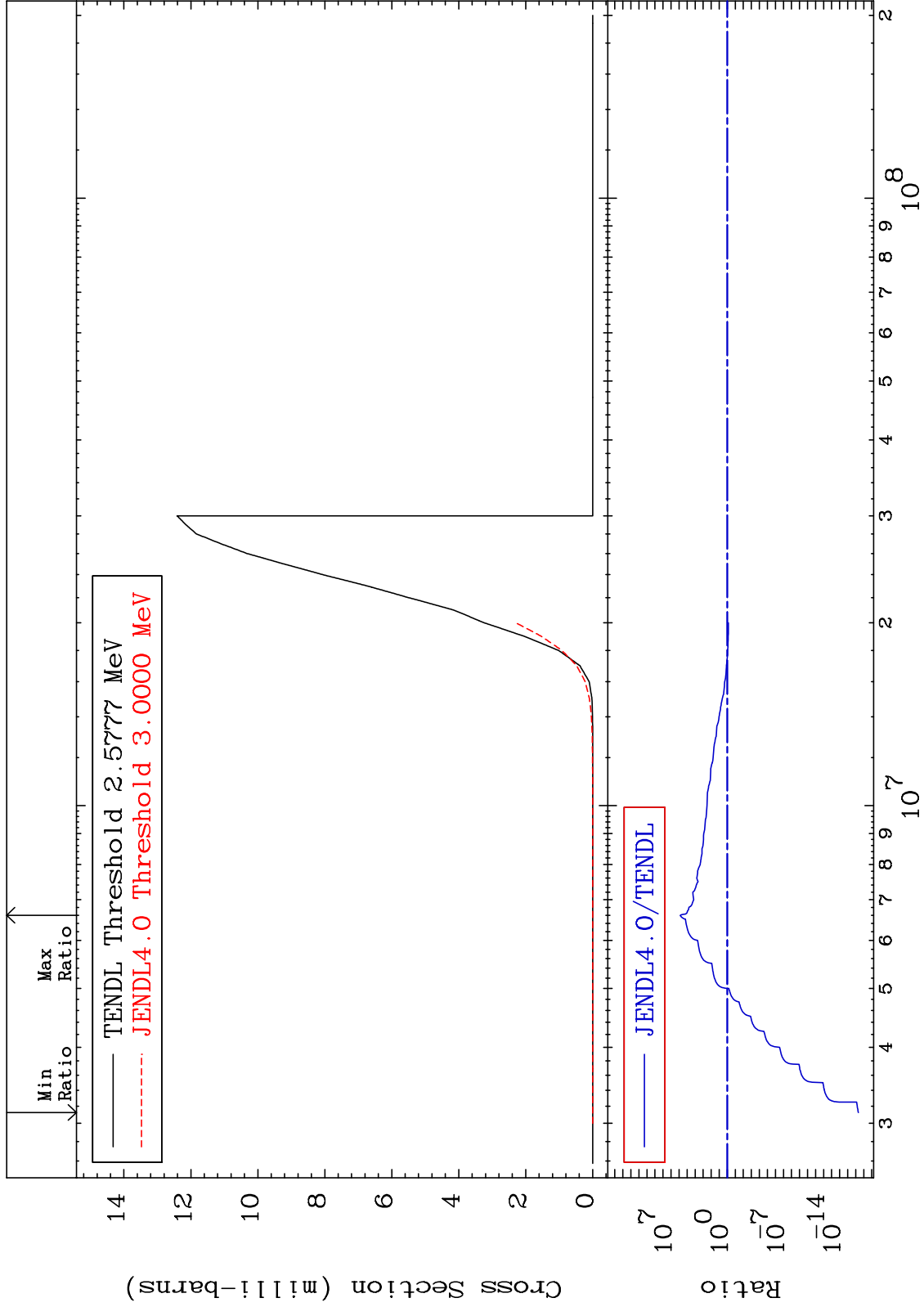
MAT 5446

(n,n') α

54-Xe-131

-100.0 To 9999. %

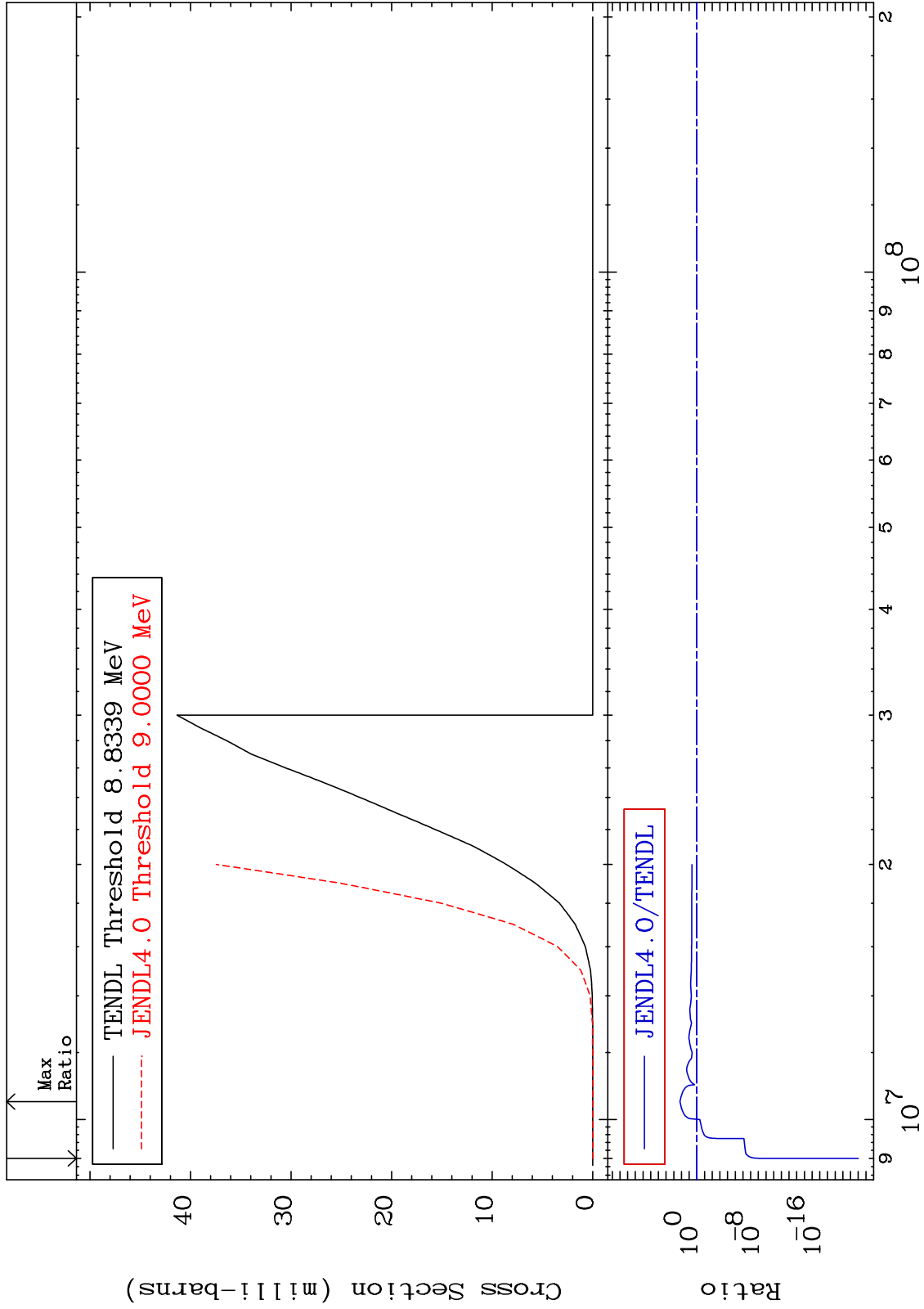
Cross Section



MAT 5446

(n,n') p
Cross Section

54-Xe-131
-100.0 To 9999. %



7

Incident Energy (eV)

54-Xe-131

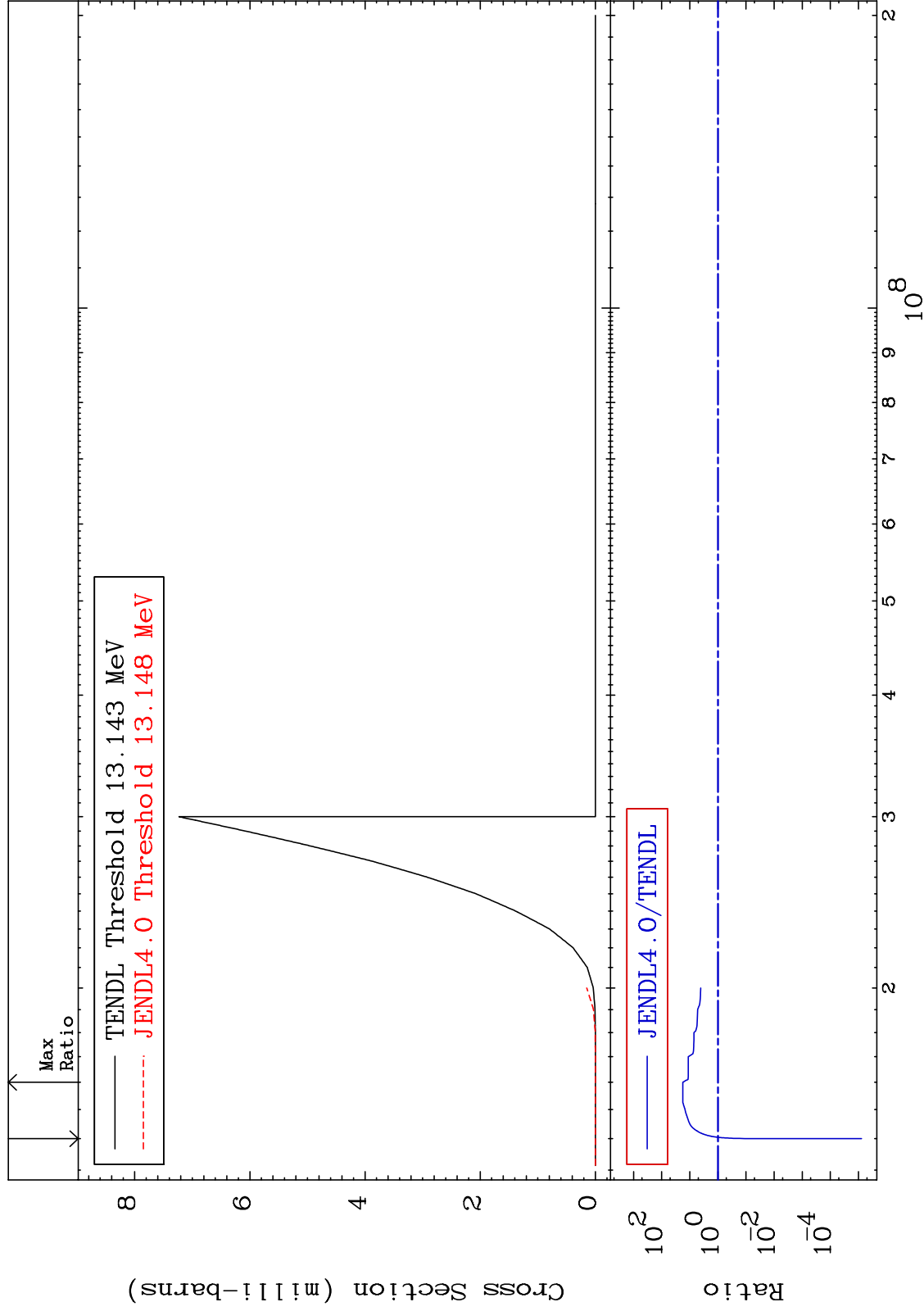
MAT 5446

(n,n') d

54-Xe-131

Cross Section

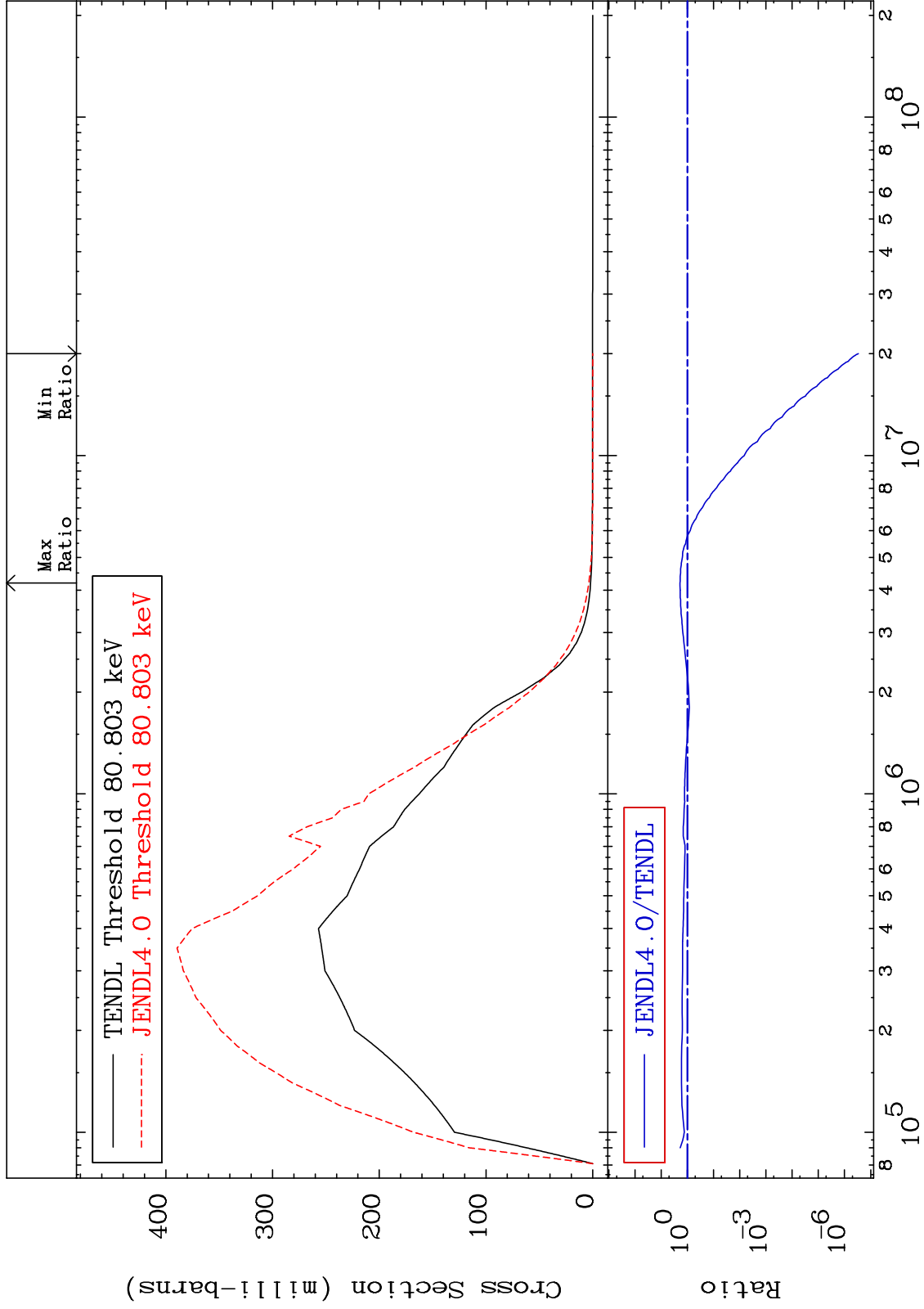
-100.0 To 1665. %



MAT 5446

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

54-Xe-131
-100.0 To 90.33 %



9

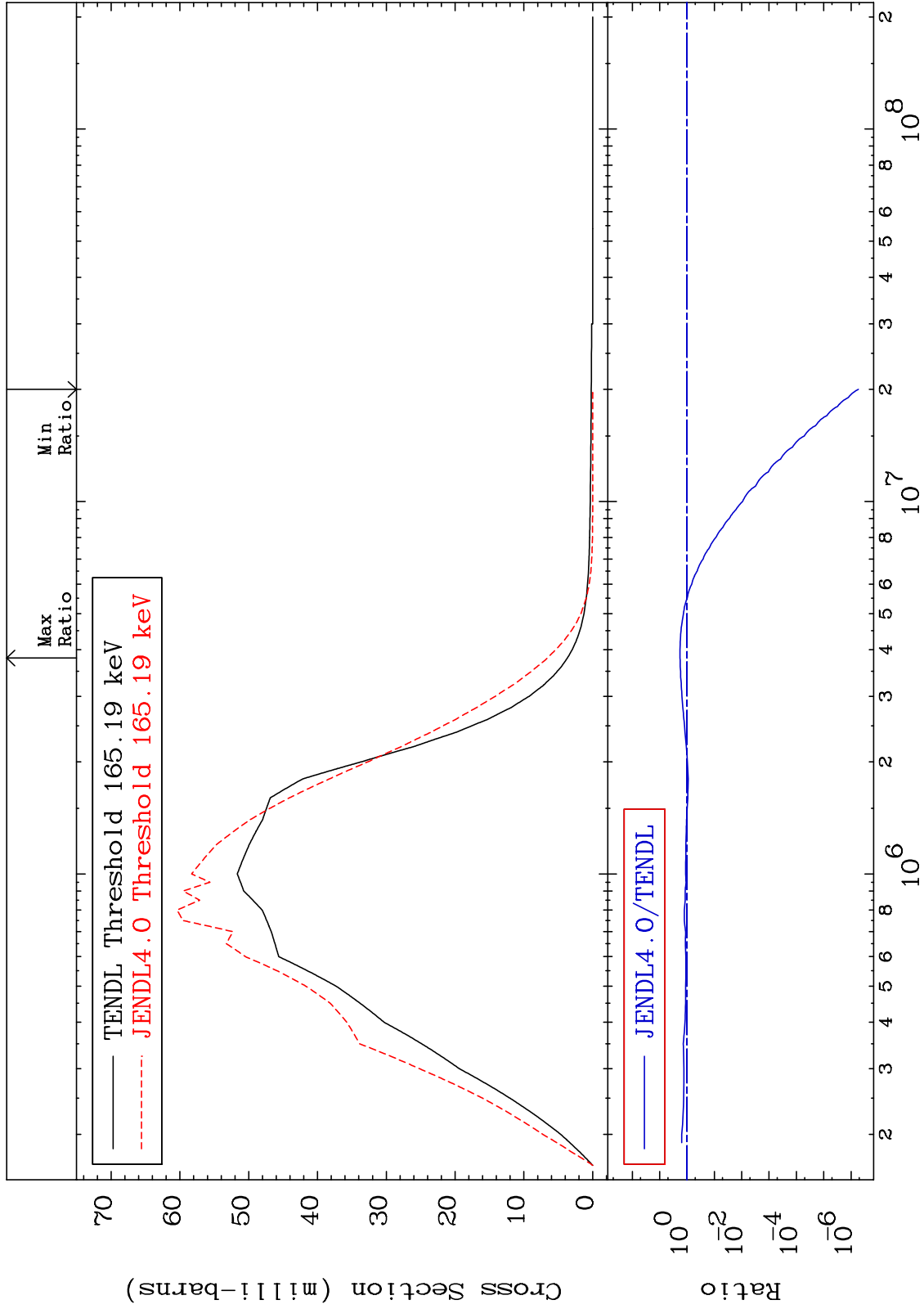
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-100.0 To 79.93 %



10

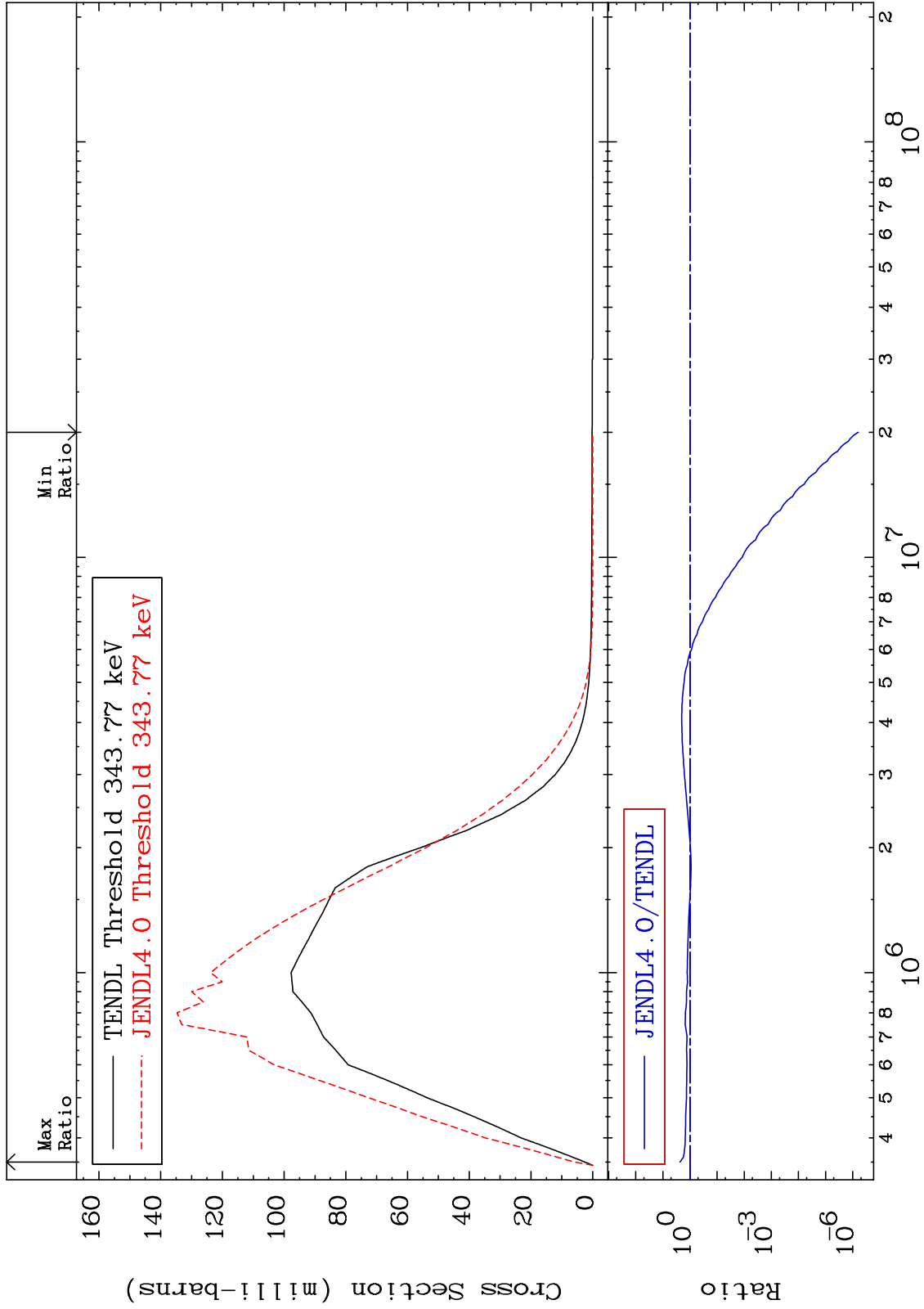
Incident Energy (eV)

54-Xe-131

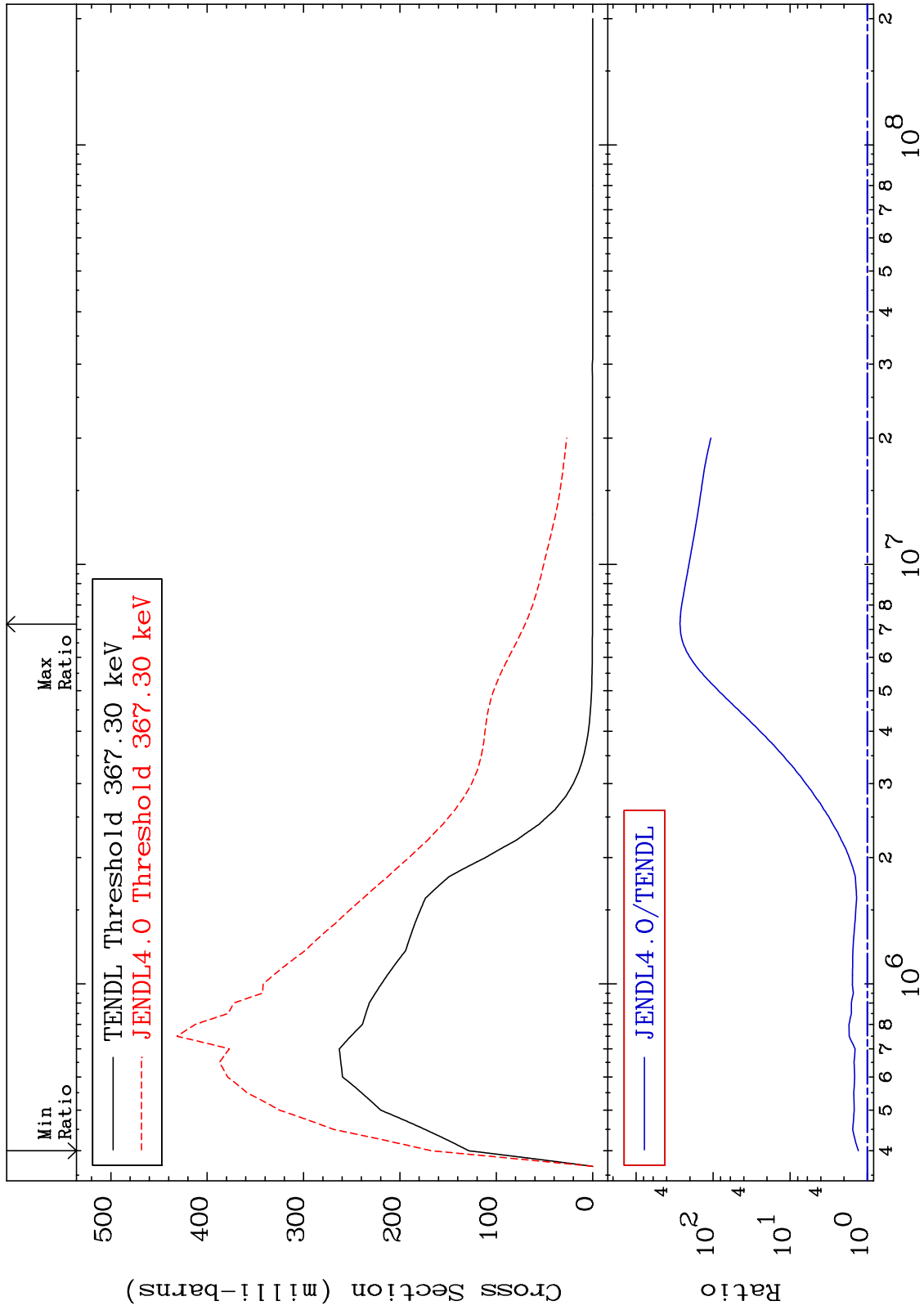
MAT 5446

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

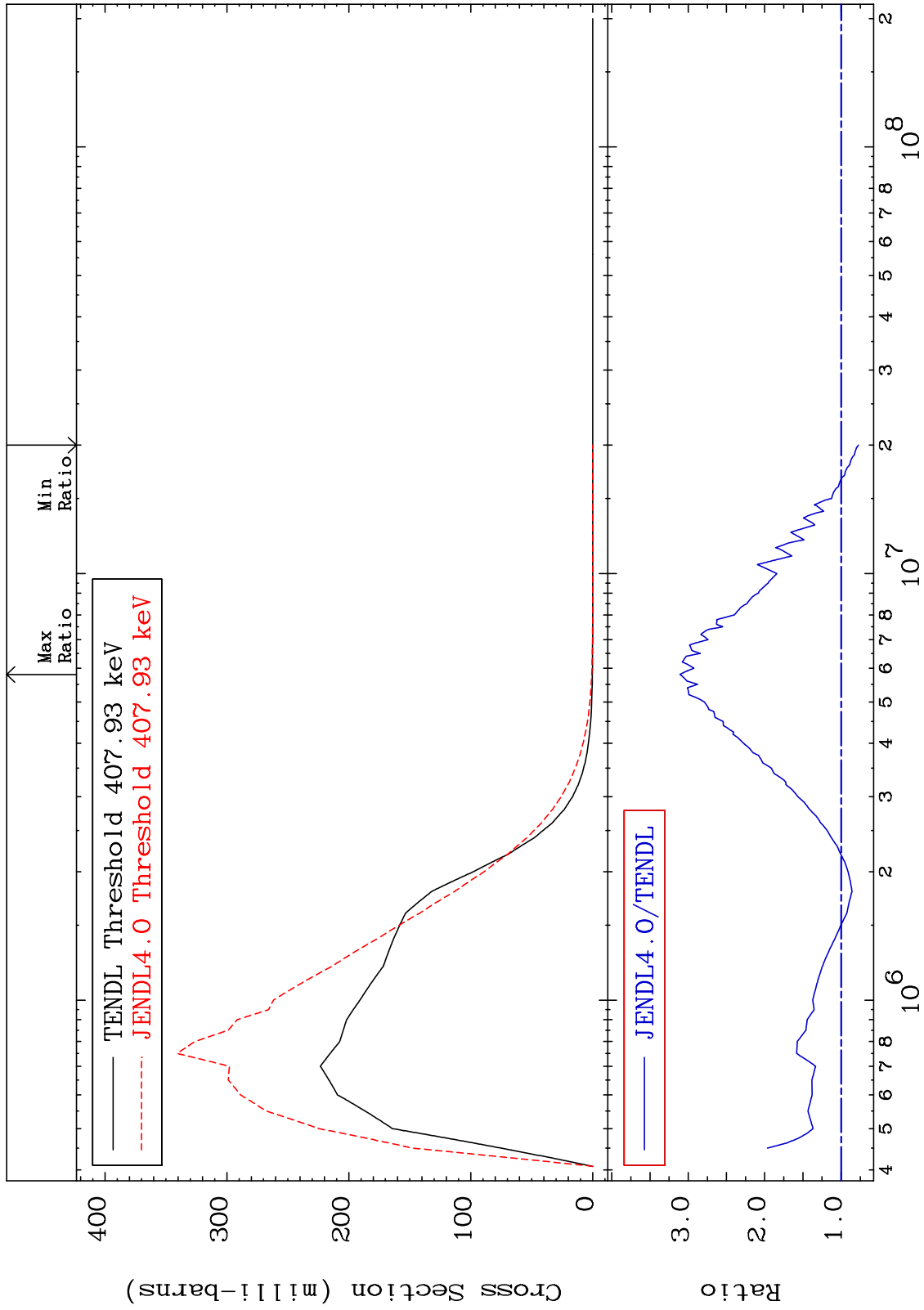
54-Xe-131
-100.0 To 133.2 %



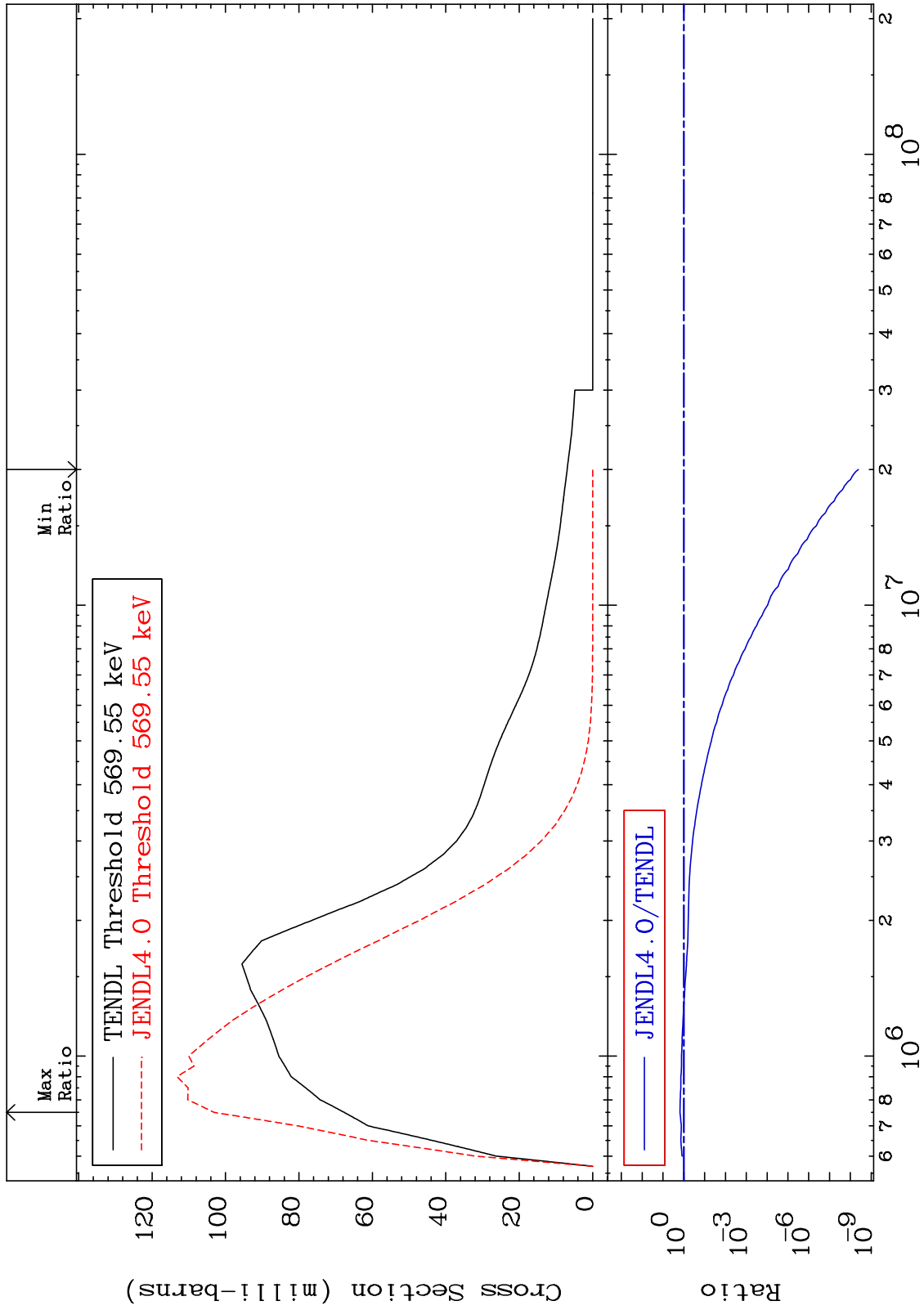
MAT 5446 MT= 54 (n,n') Level Cross Section 54-Xe-131 30.20 To 9999. %



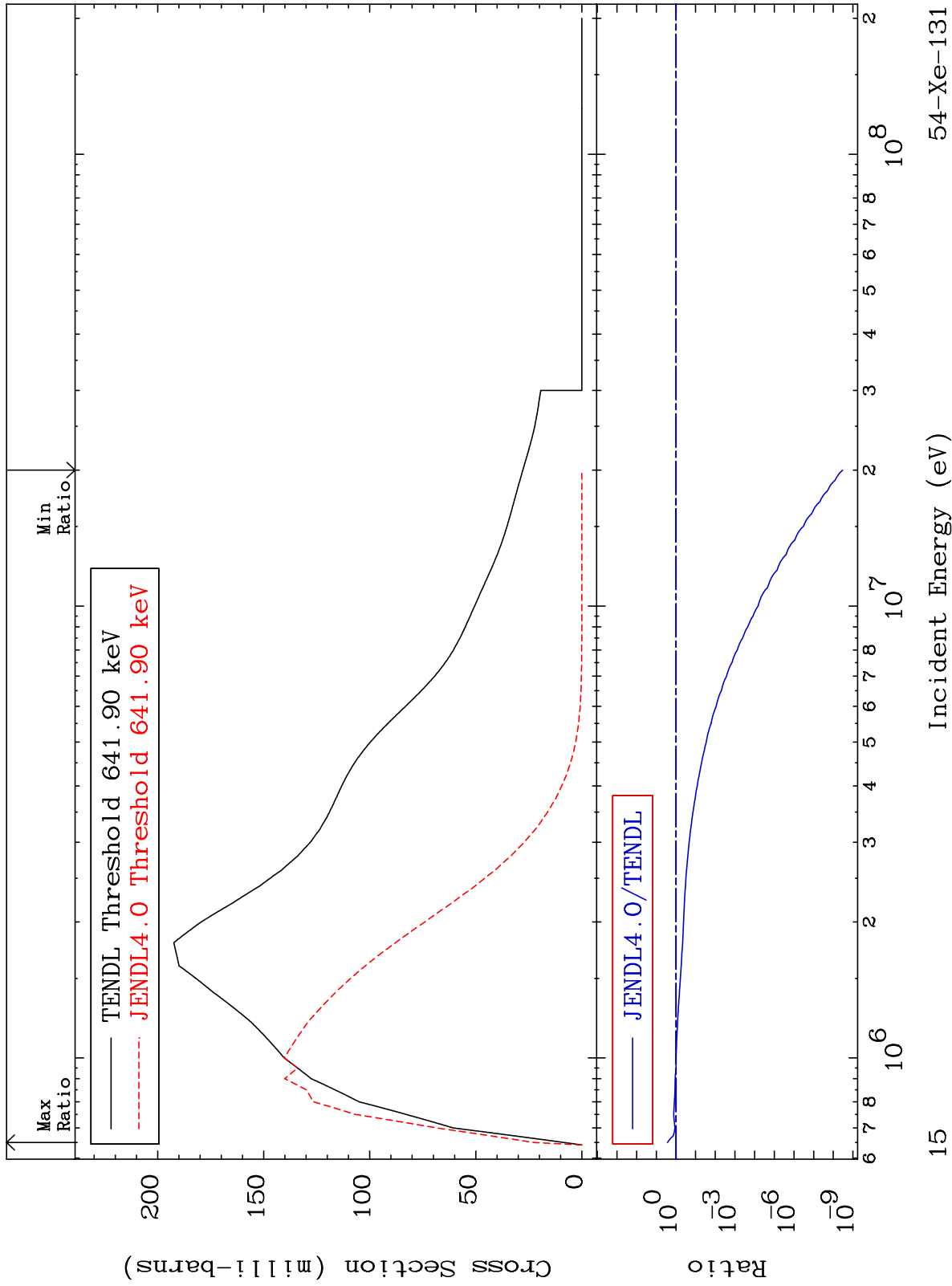
MAT 5446 MT= 55 (n,n') Level Cross Section 54-Xe-131 -22.59 To 210.7 %



MAT 5446 MT= 56 (n,n') Level Cross Section -100.0 To 52.36 % 54-Xe-131



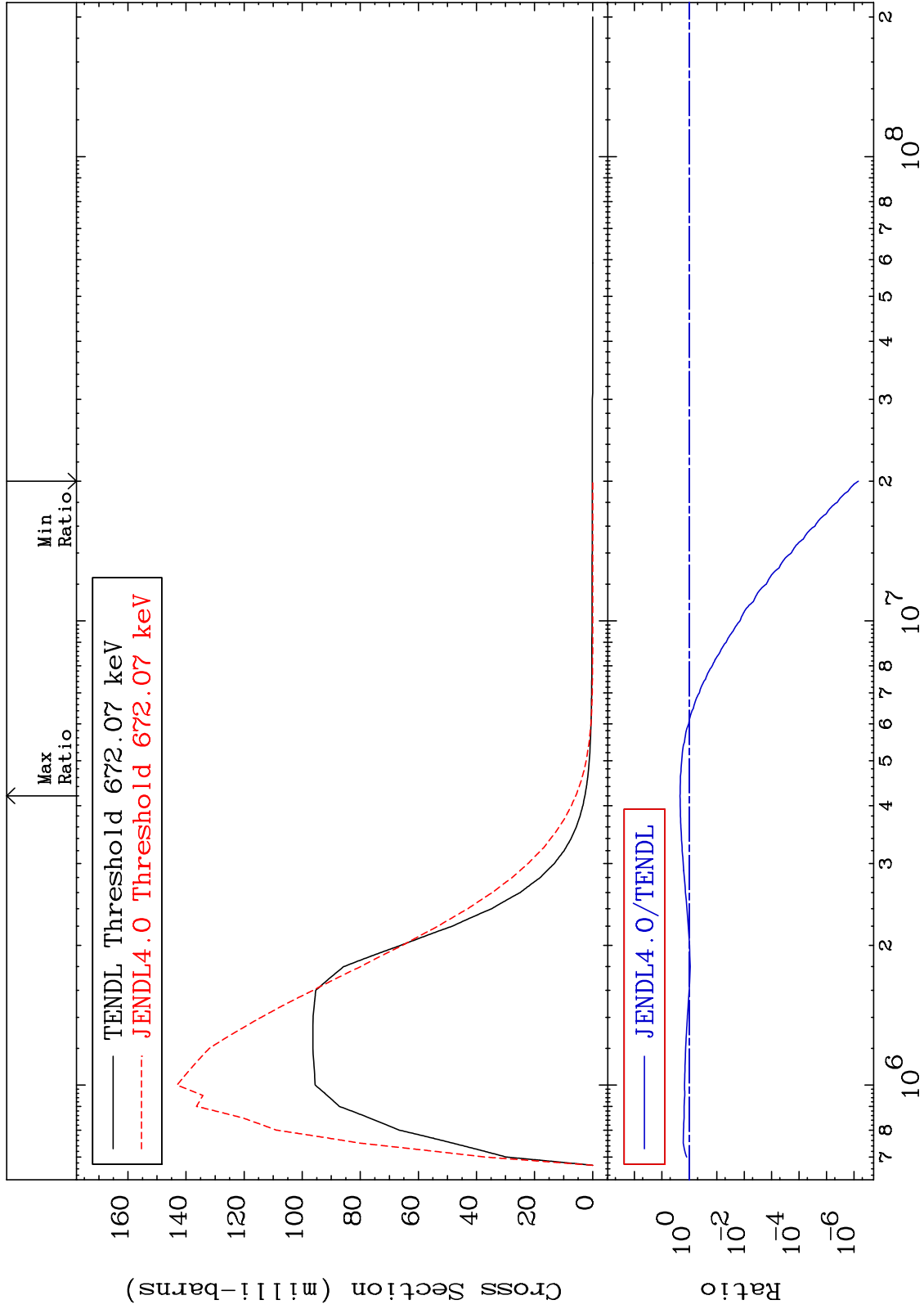
MAT 5446 MT= 57 (n,n') Level Cross Section 54-Xe-131 -100.0 To 167.3 %



MAT 5446

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

54-Xe-131
-100.0 To 118.7 %

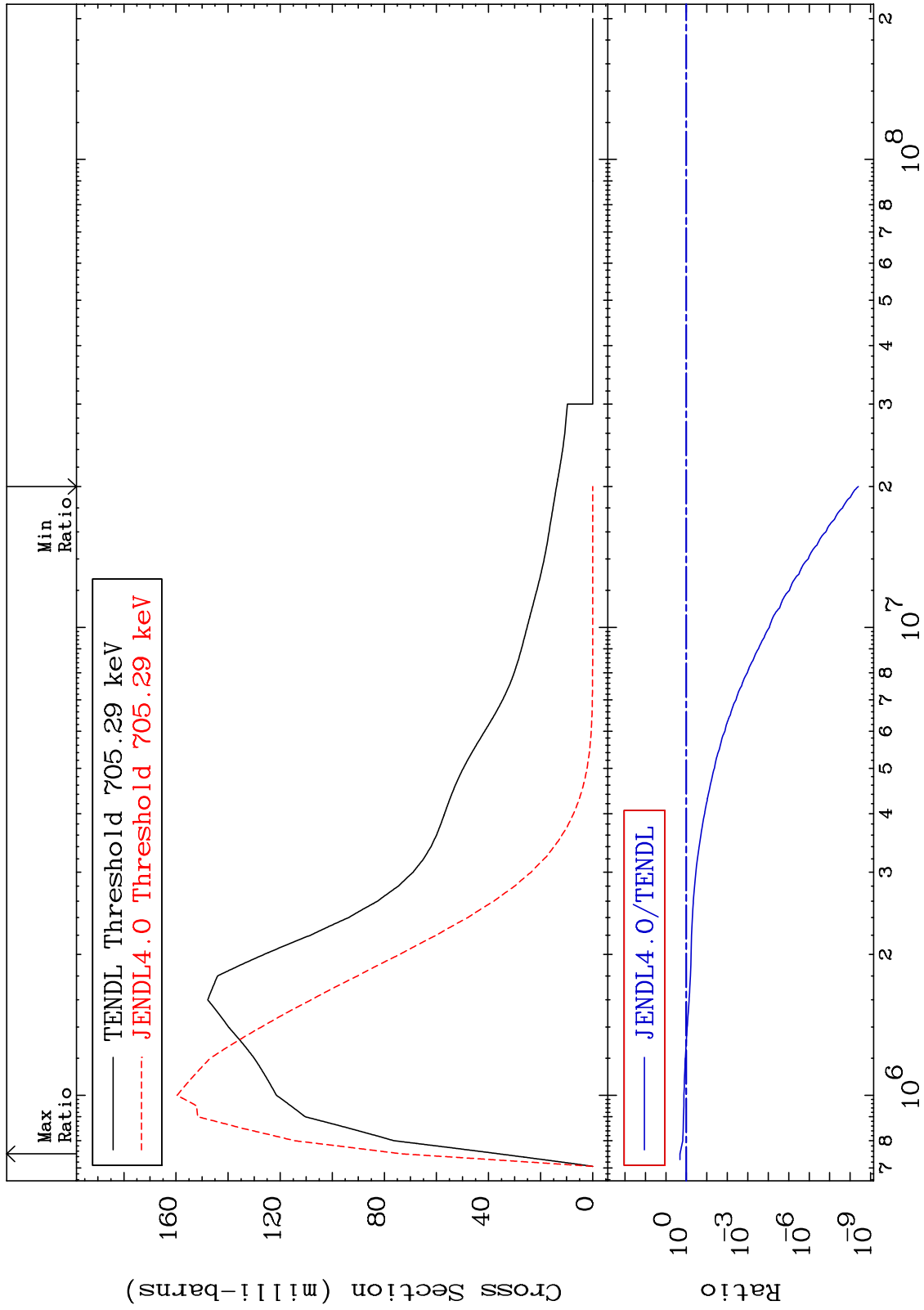


16

Incident Energy (eV)

54-Xe-131

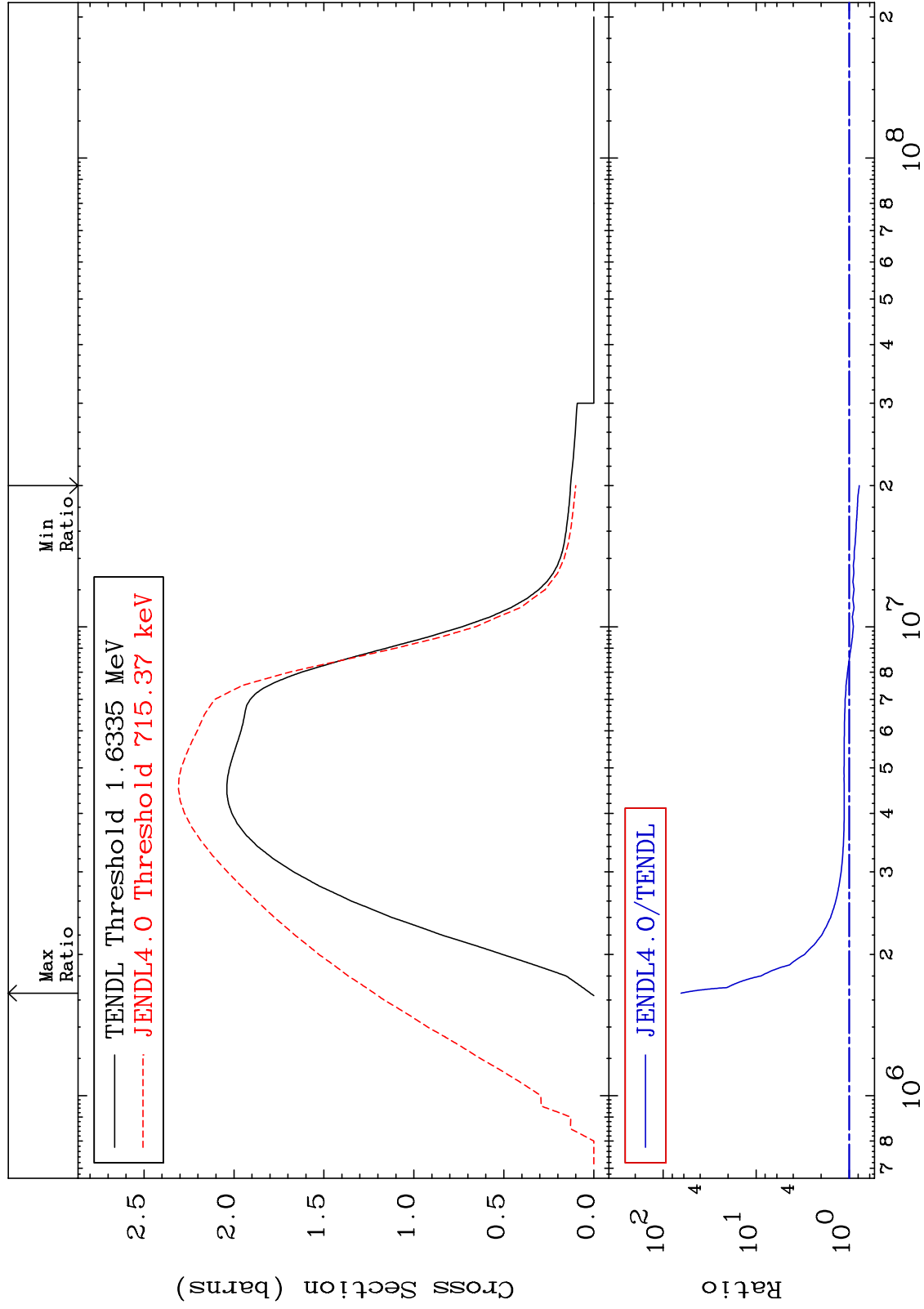
MAT 5446 MT= 59 (n,n') Level Cross Section 54-Xe-131 -100.0 To 104.0 %



MAT 5446

(n, n') Continuum
Cross Section

54-Xe-131
-22.28 To 6323. %



18

Incident Energy (eV)

54-Xe-131

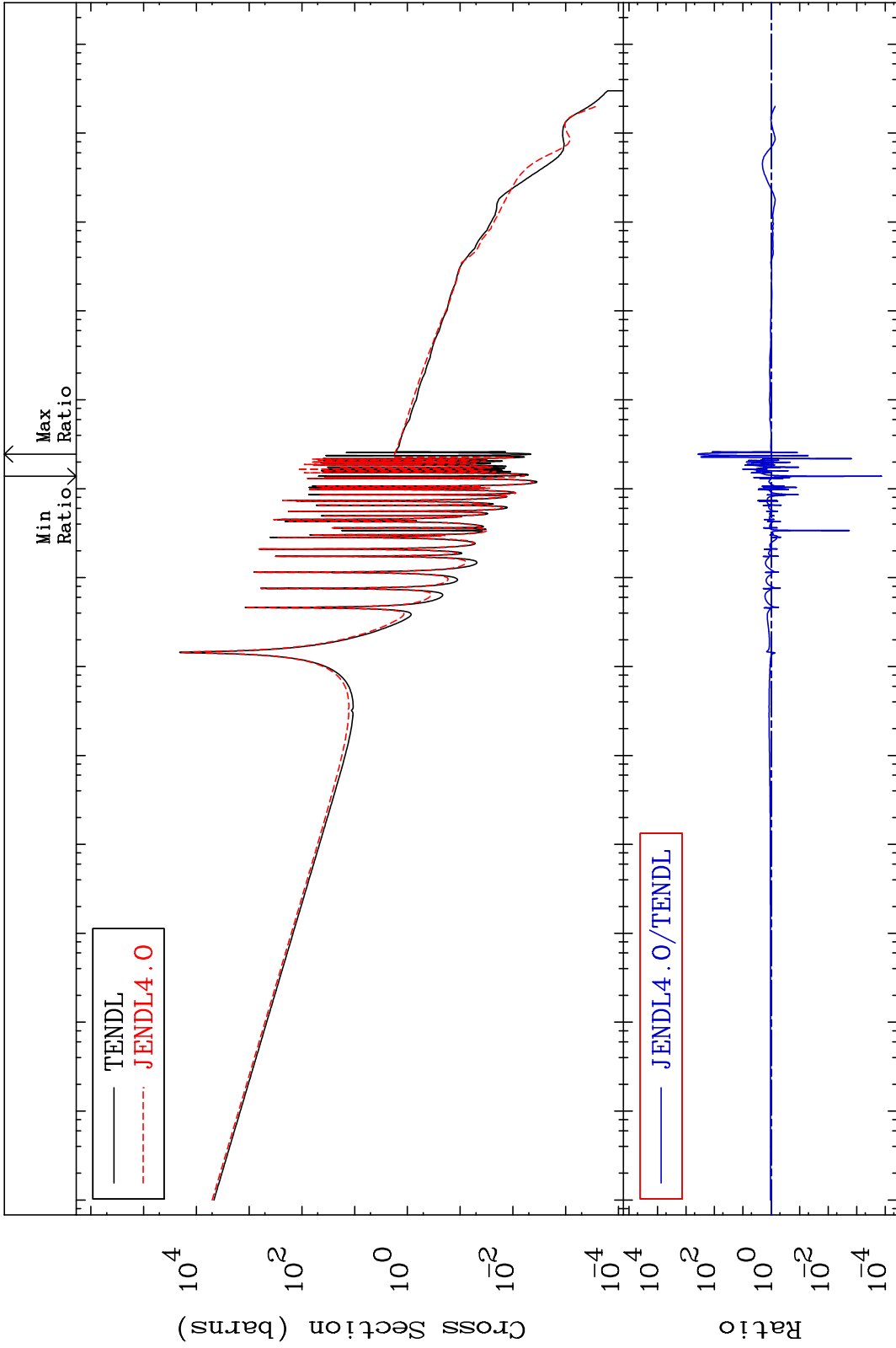
MAT 5446

54-Xe-131

(n, γ)

-99.99 To 9999. %

Cross Section



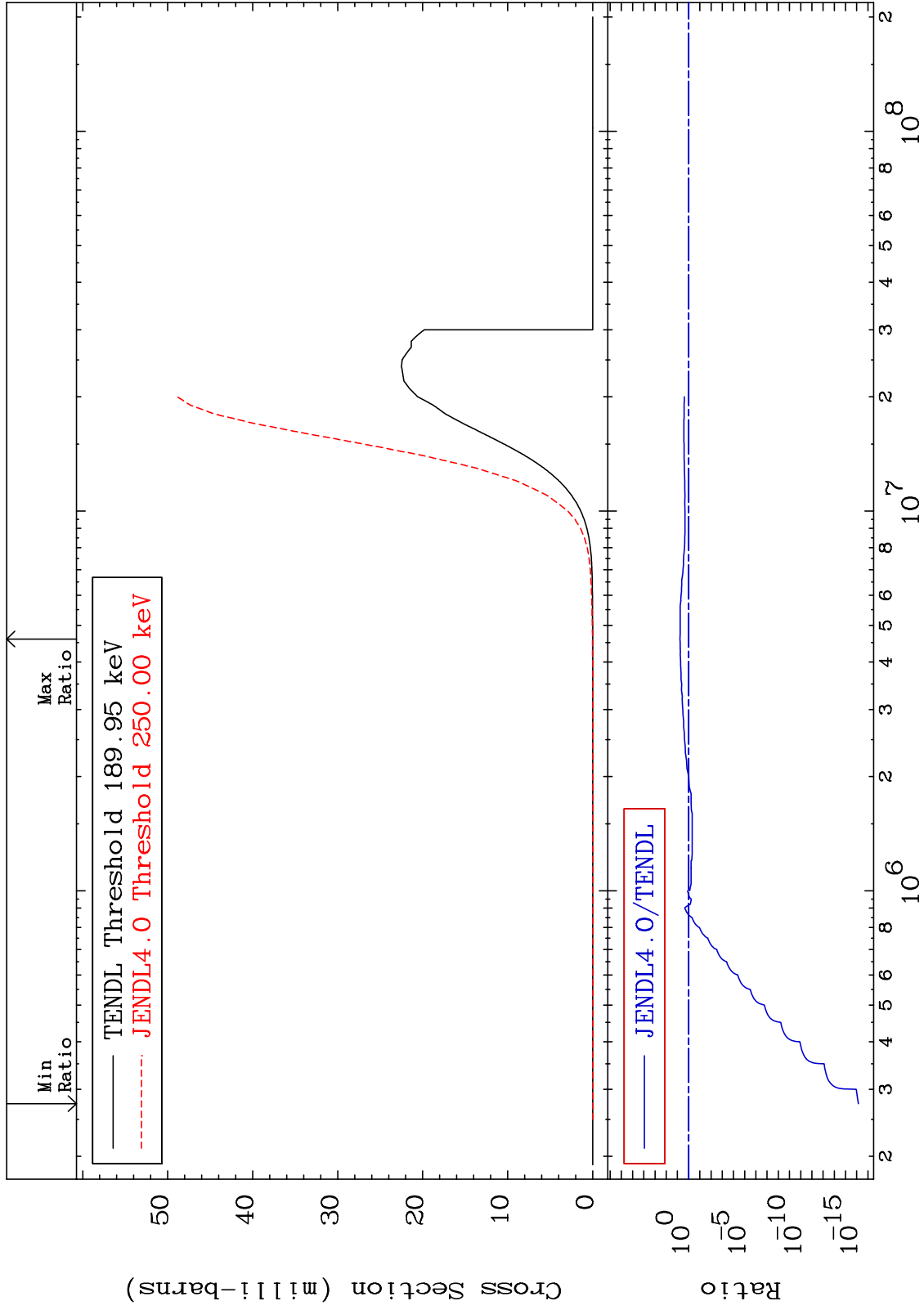
MAT 5446

(n, p)

54-Xe-131

Cross Section

-100.0 To 485.7 %



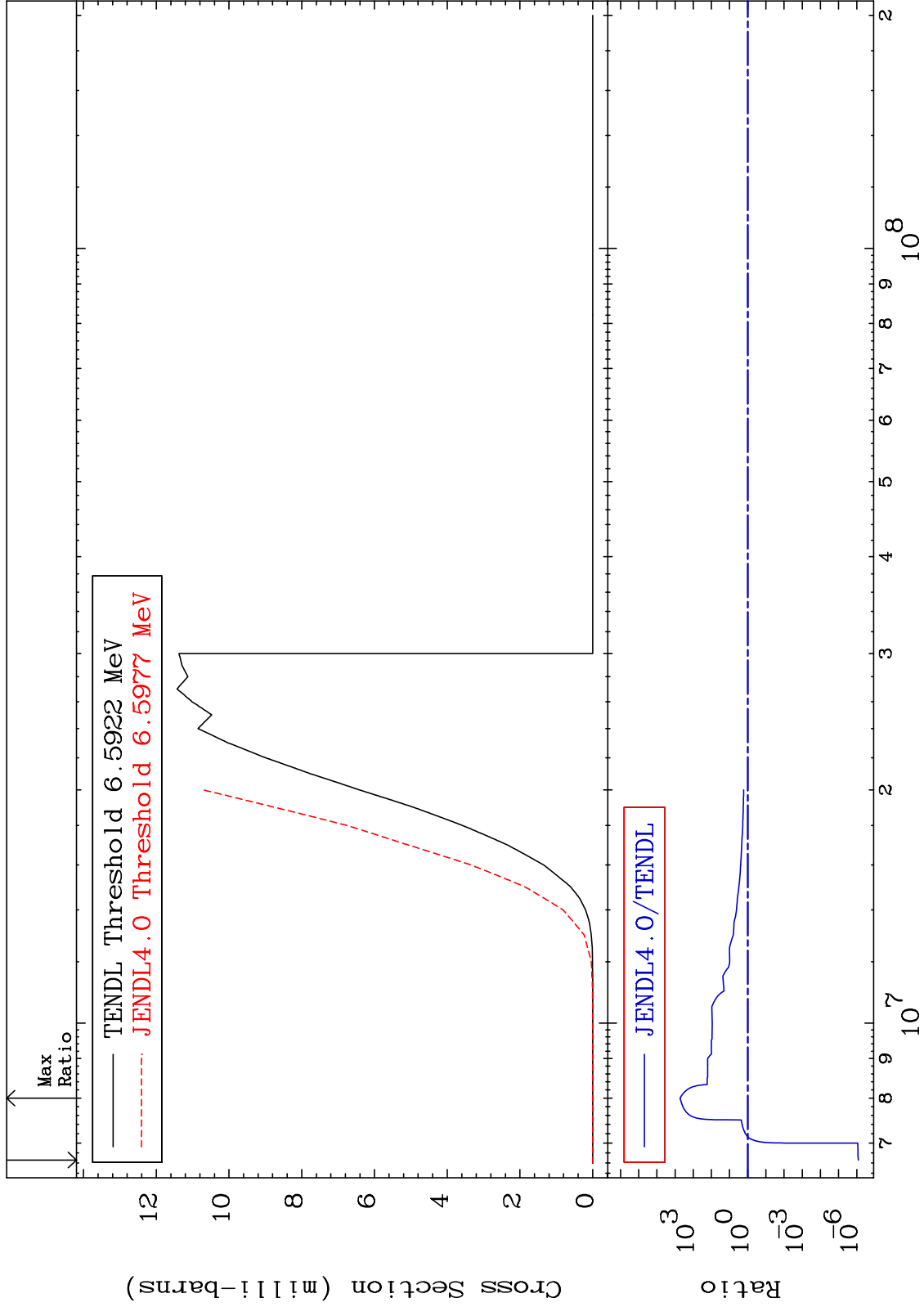
MAT 5446

(n,d)

54-Xe-131

Cross Section

-100.0 To 9999. %



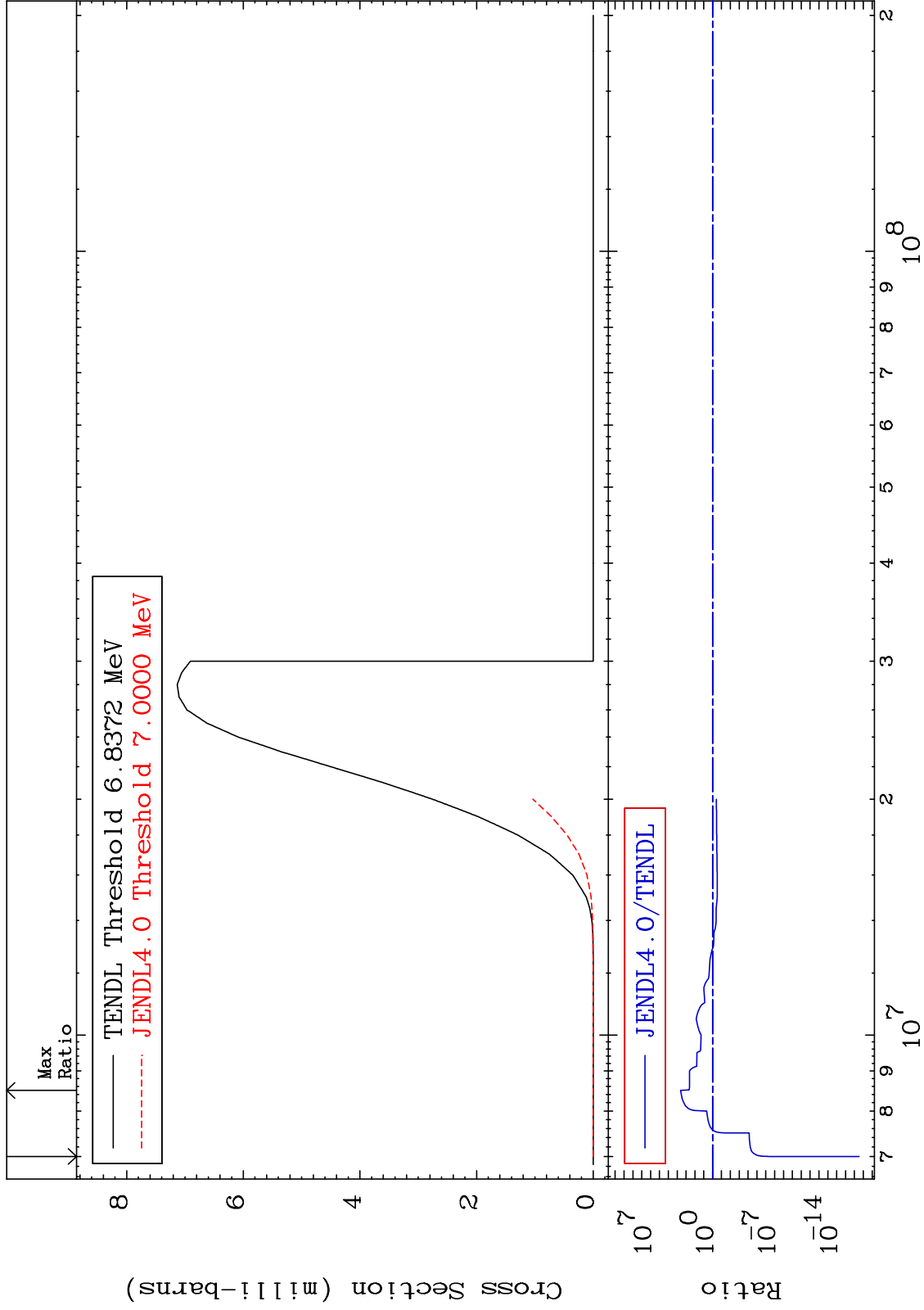
MAT 5446

(n, t)

54-Xe-131

Cross Section

-100.0 To 9999. %



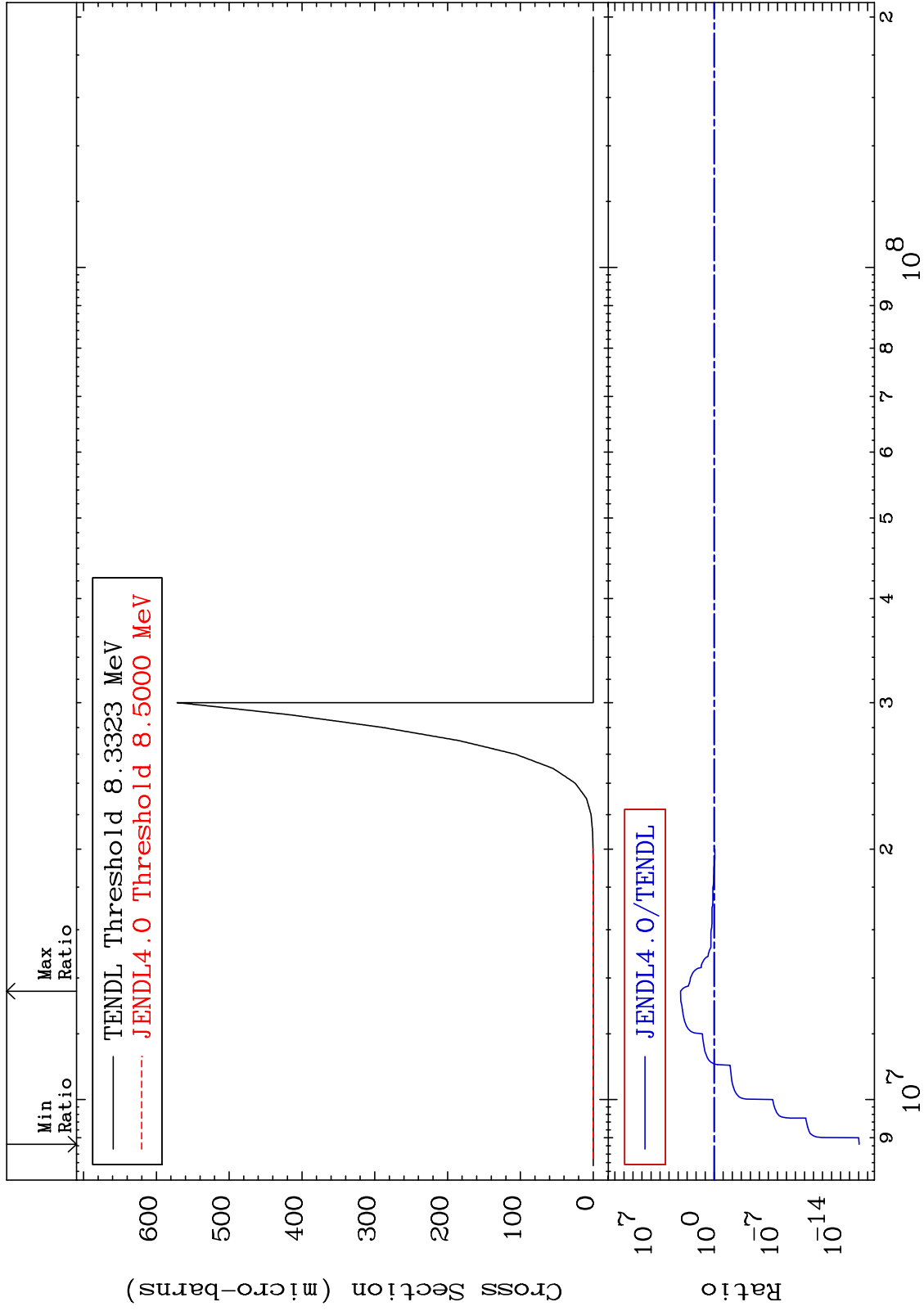
MAT 5446

(n, He-3)

54-Xe-131

Cross Section

-100.0 To 9999. %



23

Incident Energy (eV)

54-Xe-131

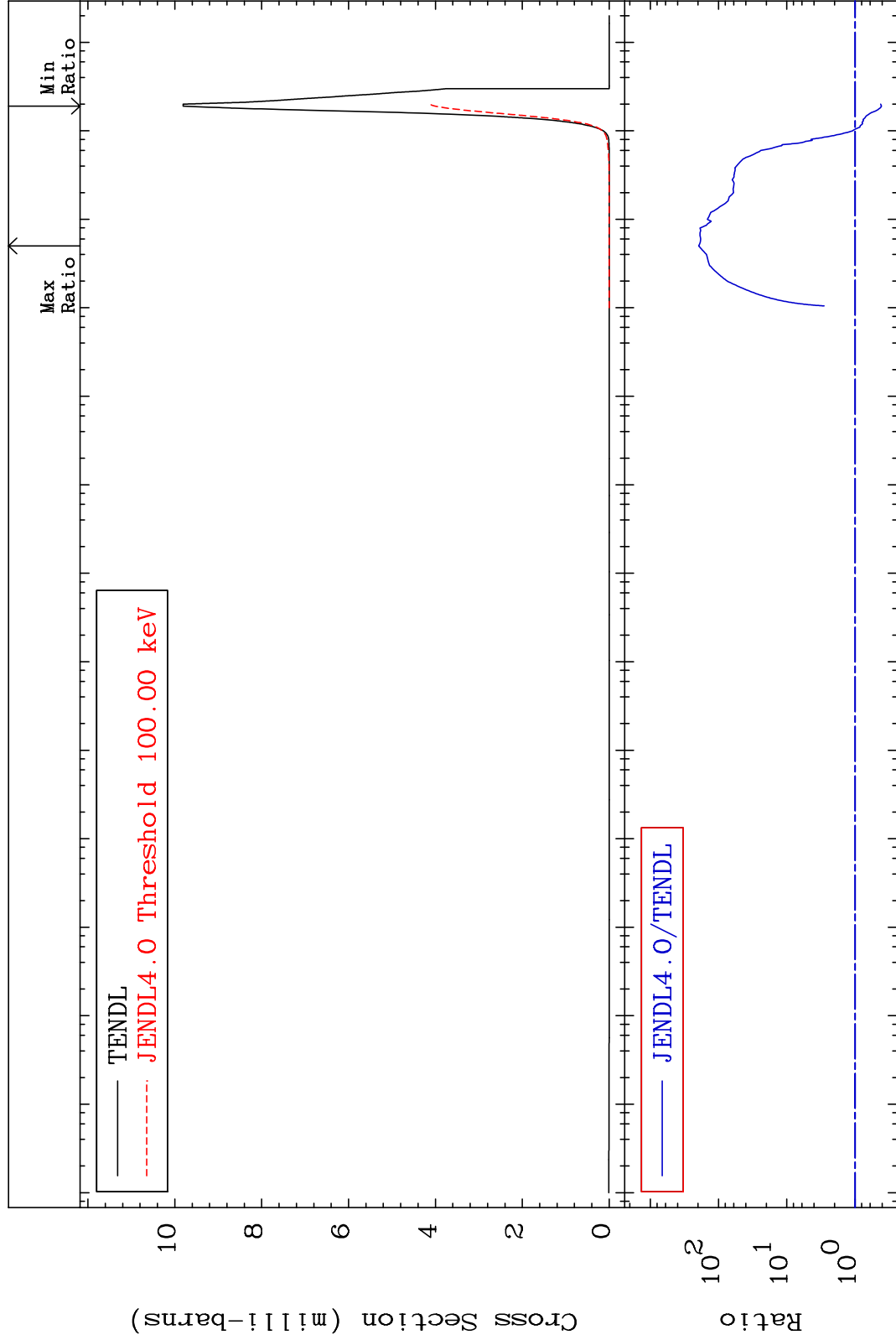
MAT 5446

(n, α)

54-Xe-131

Cross Section

-59.12 To 9999. %

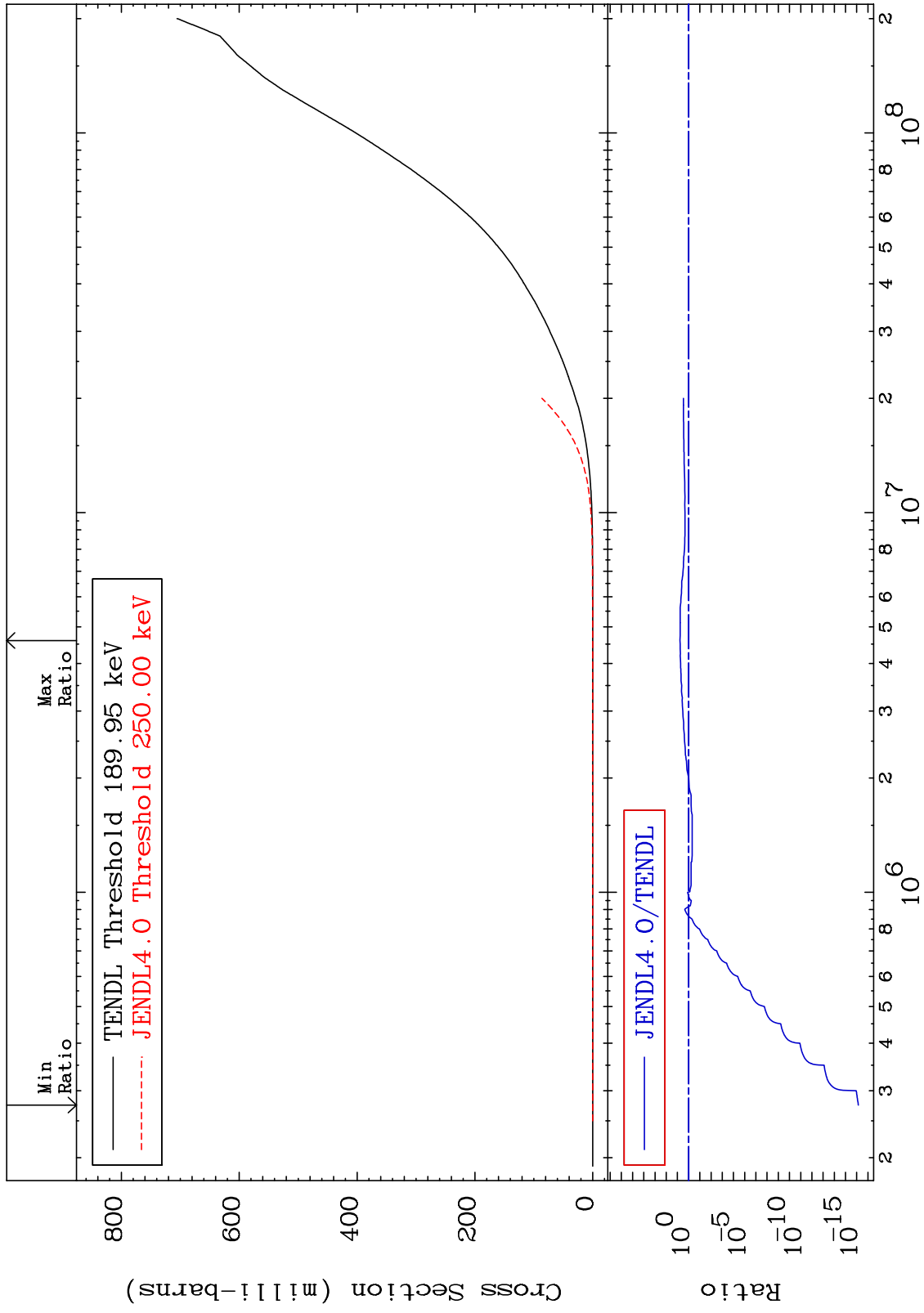


24

Incident Energy (eV)

54-Xe-131

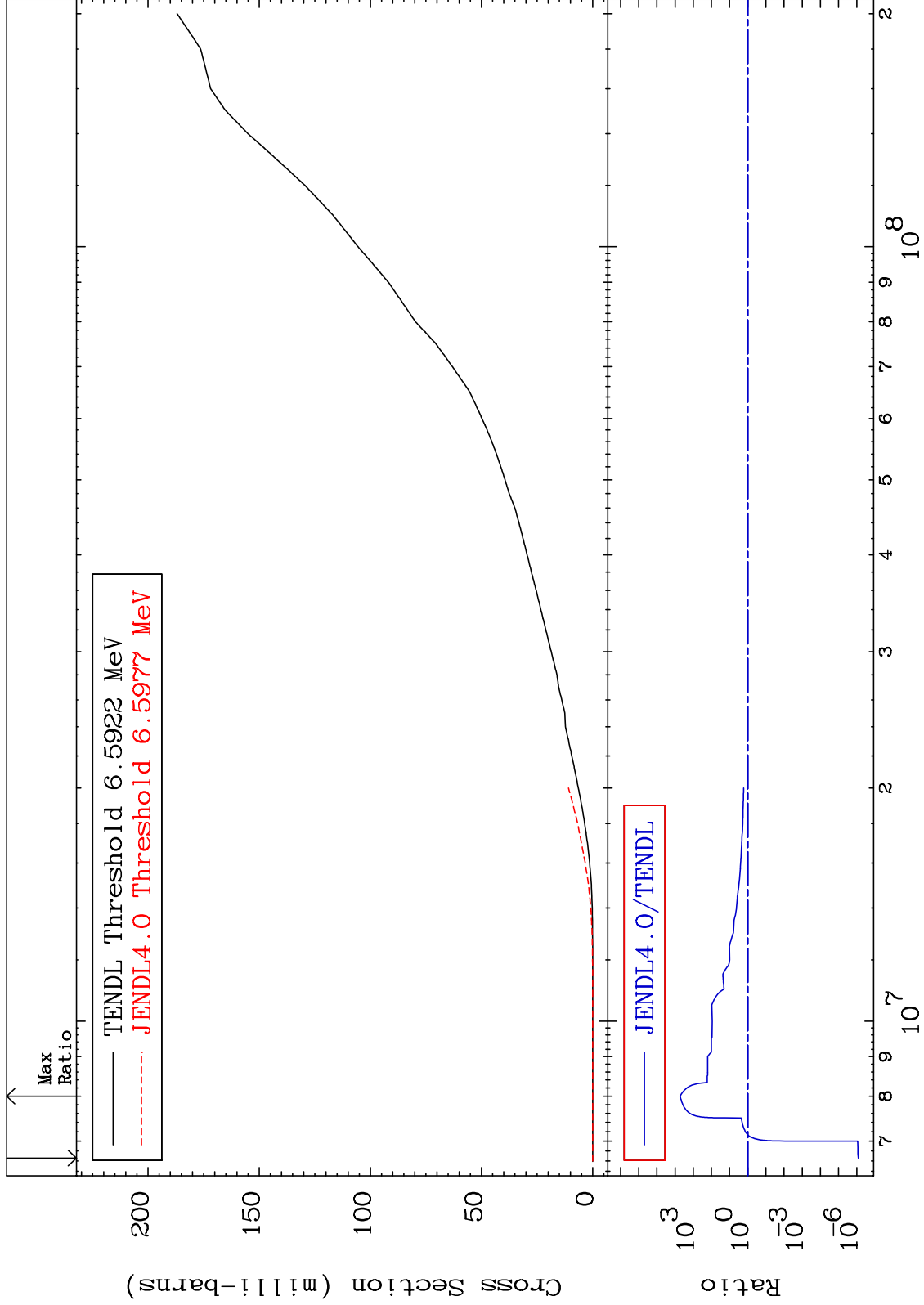
MAT 5446 Hydrogen Production Cross Section 54-Xe-131
 -100.0 To 485.7 %



MAT 5446

Deuterium Production
Cross Section

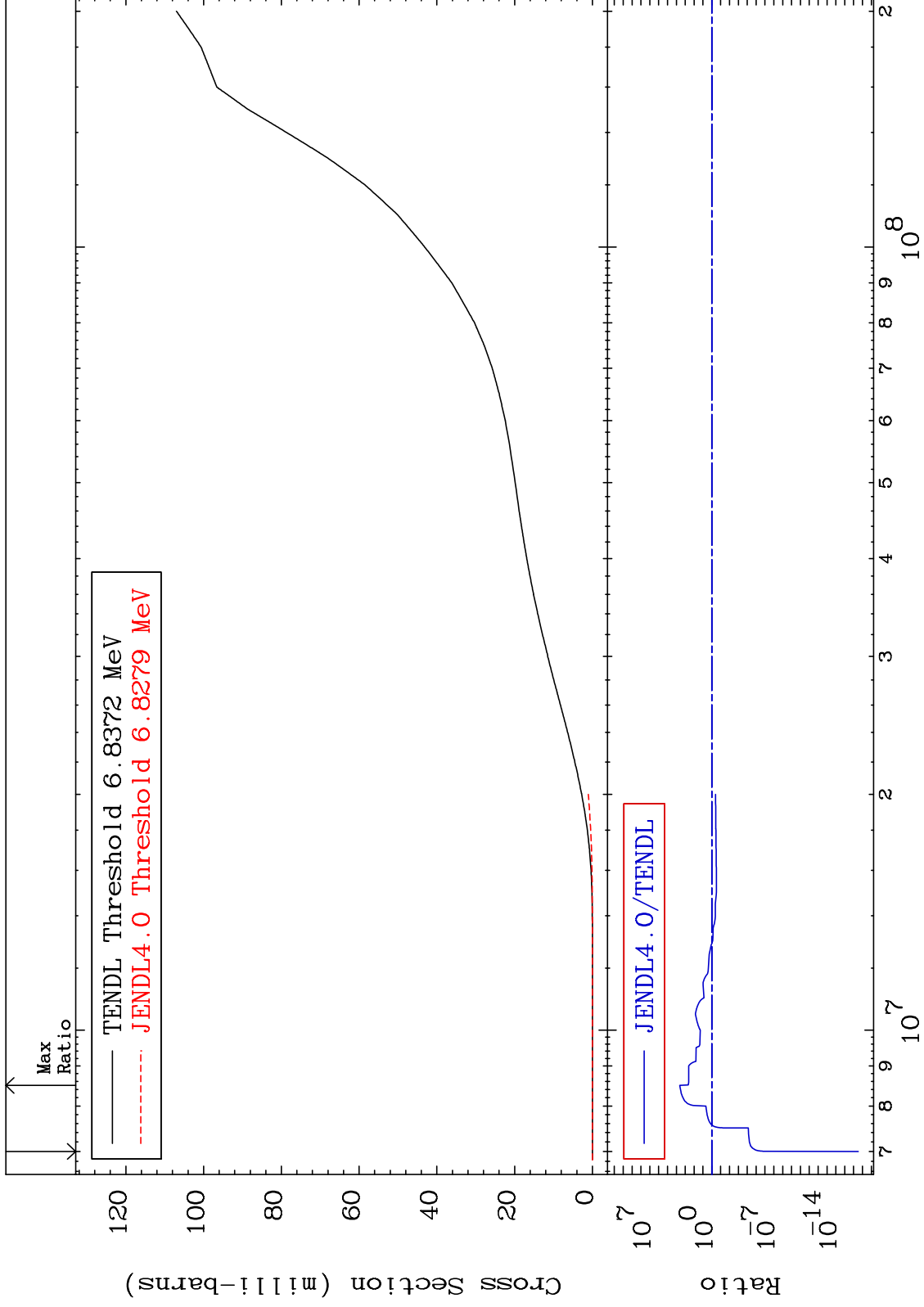
54-Xe-131
-100.0 To 9999. %



MAT 5446

Tritium Production
Cross Section

54-Xe-131
-100.0 To 9999. %



27

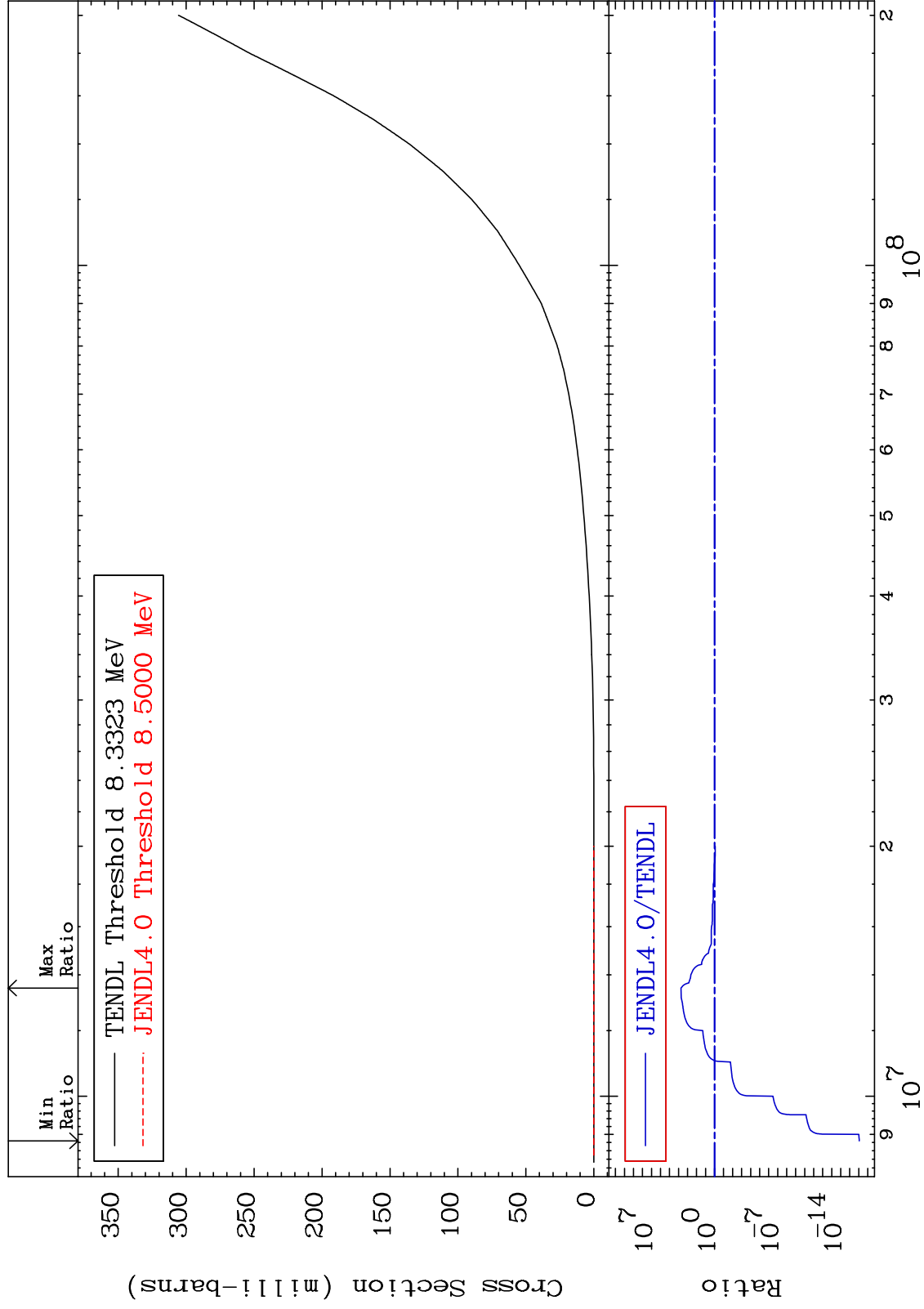
Incident Energy (eV)

54-Xe-131

MAT 5446

He-3 Production
Cross Section

54-Xe-131
-100.0 To 9999. %



28

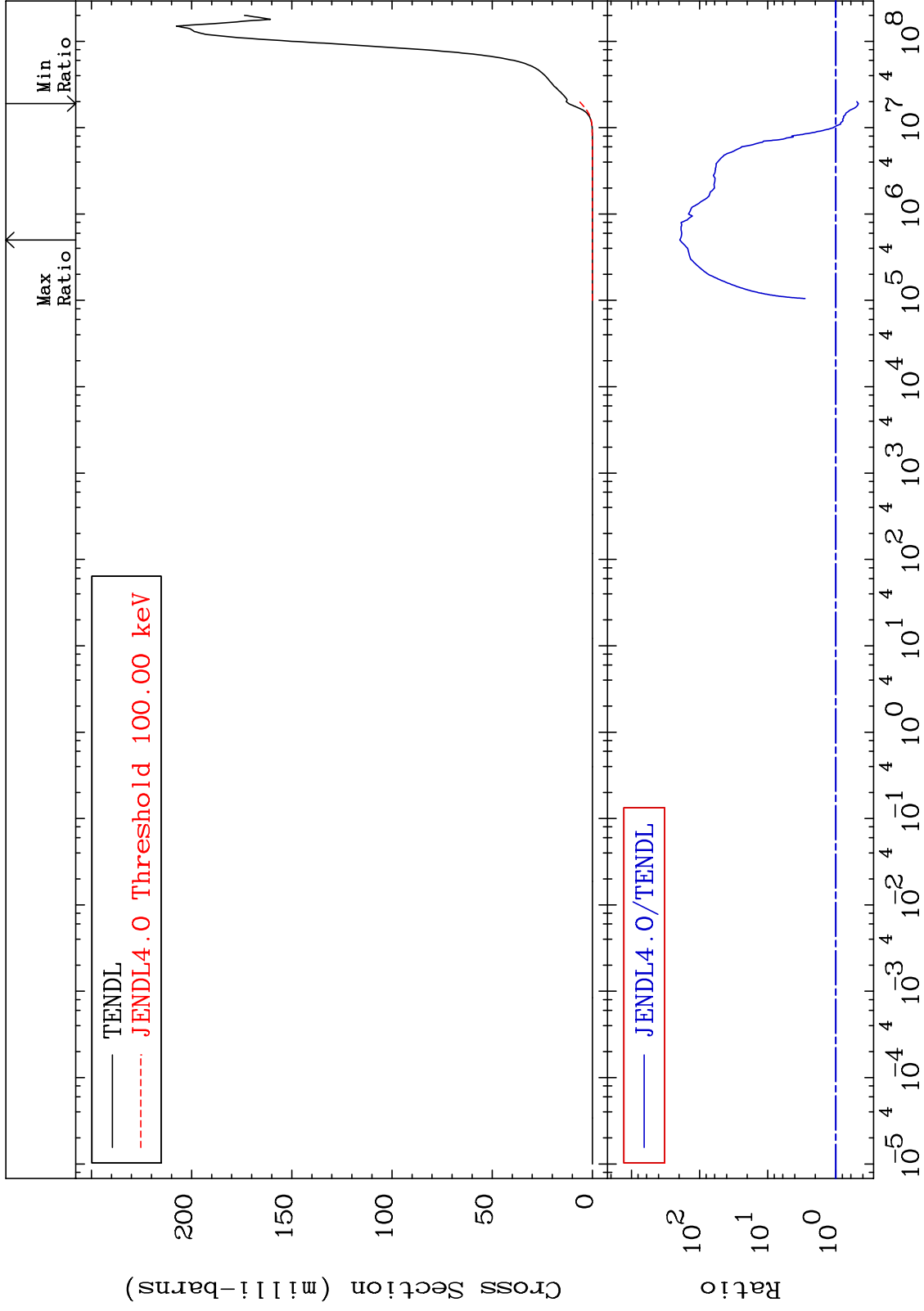
Incident Energy (eV)

54-Xe-131

MAT 5446

He-4 Production
Cross Section

54-Xe-131
-53.23 To 9999. %

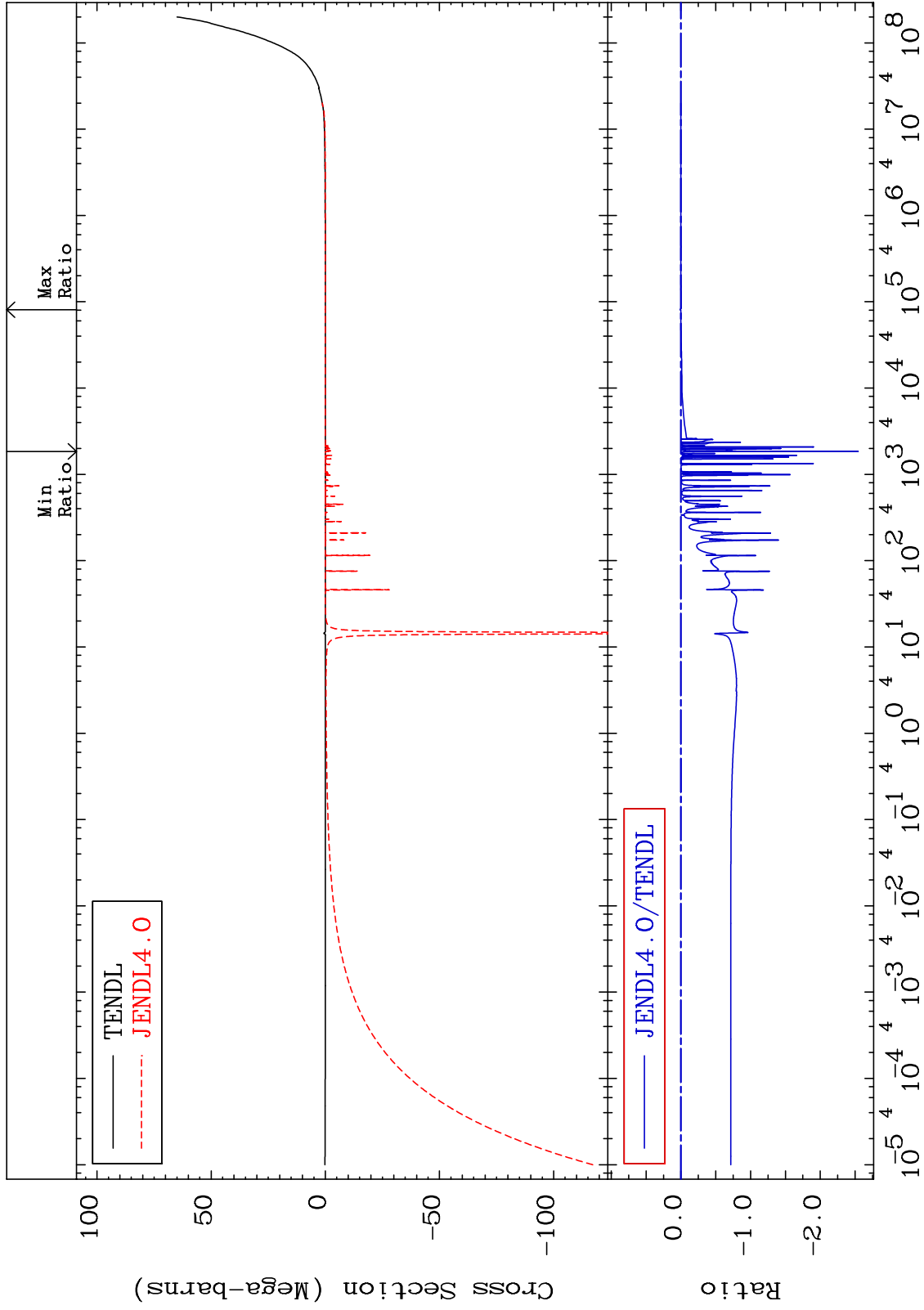


MAT 5446

Kerma total (eV-barns)
Cross Section

54-Xe-131

-9999. To 1195. %



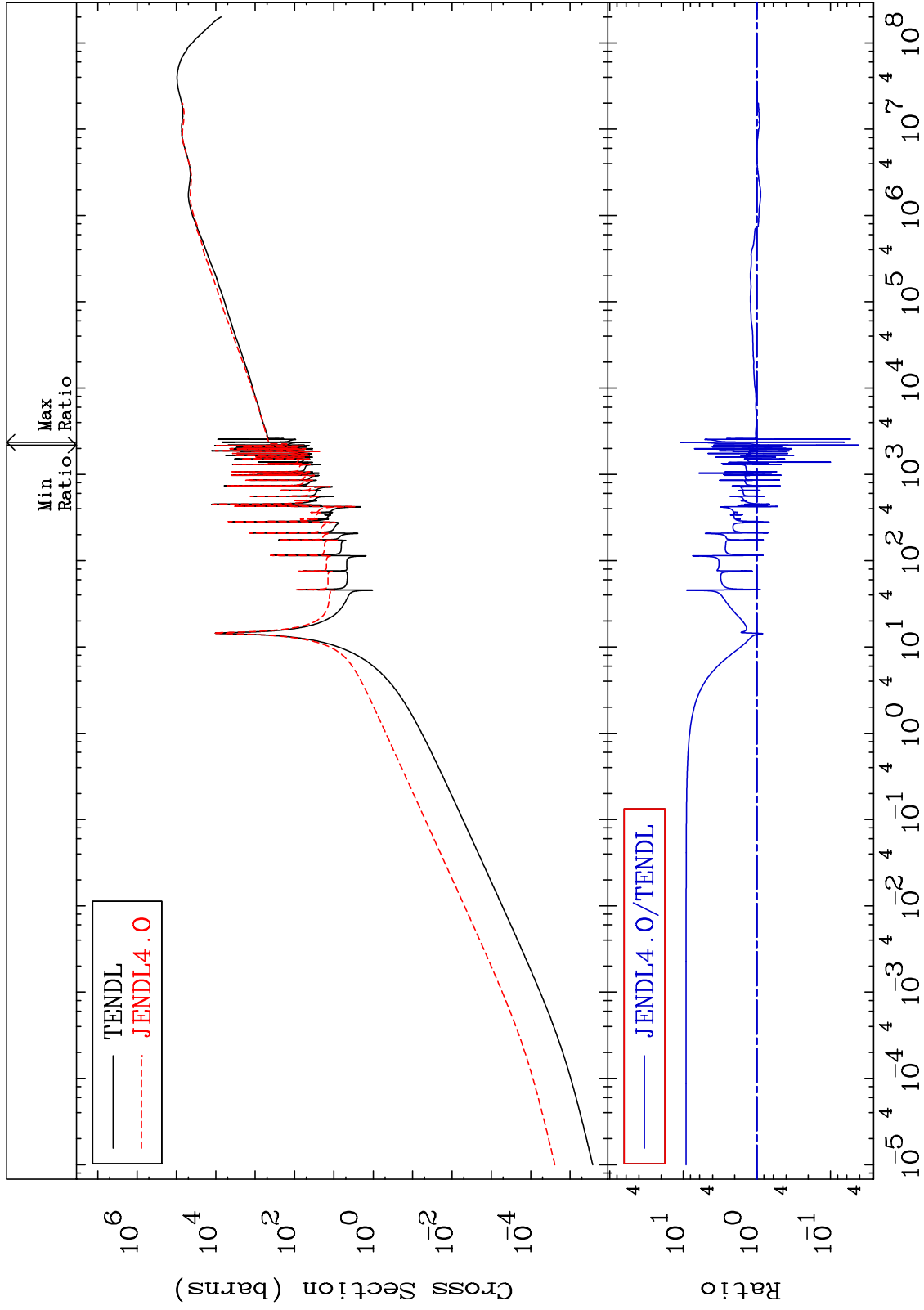
— TENDL
- - - JENDL4.0

— JENDL4.0/TENDL

MAT 5446

Kerma elastic
Cross Section

54-Xe-131
-95.83 To 1009. %

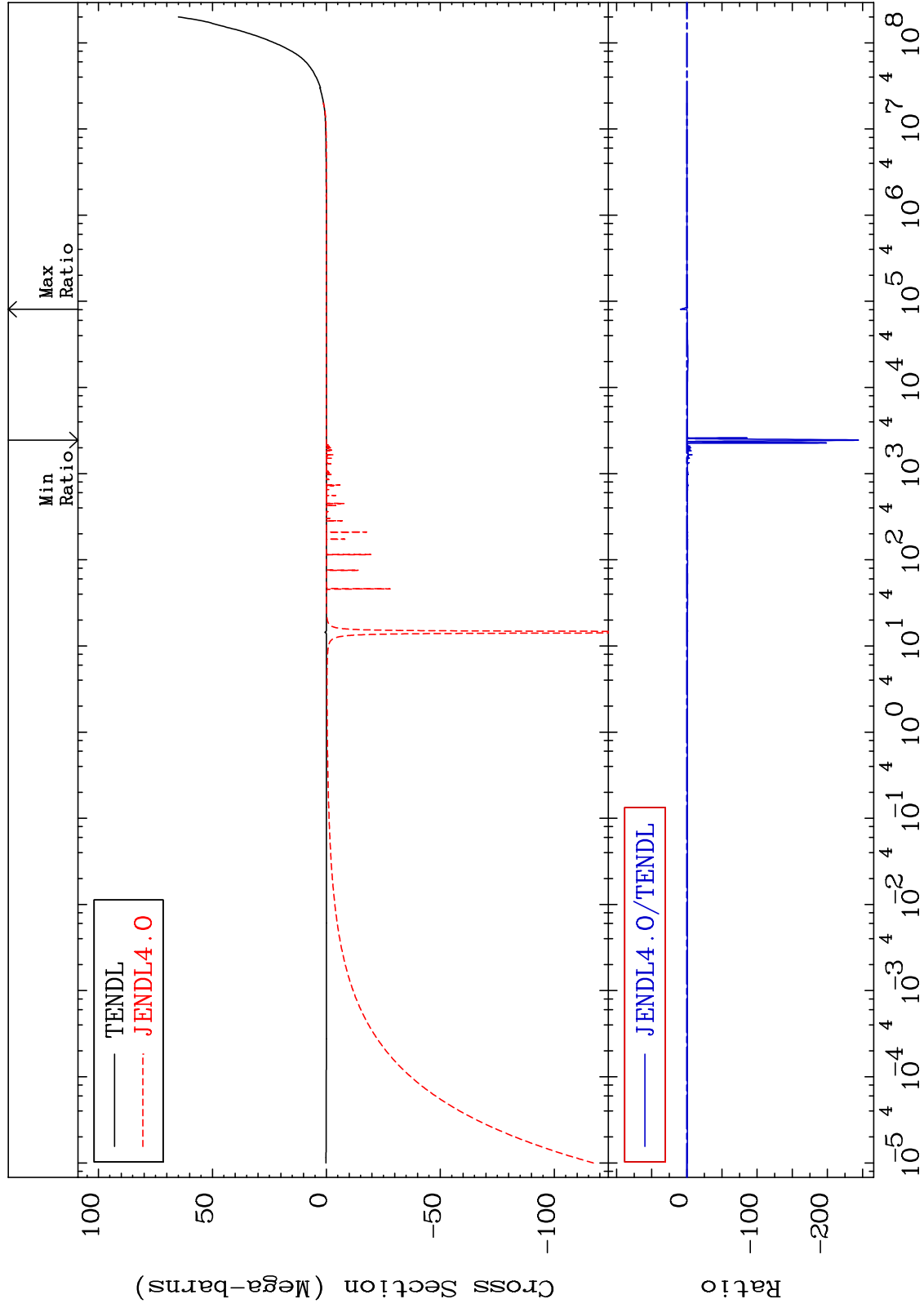


MAT 5446

Kerma non-elastic (all but mt2)
Cross Section

54-Xe-131

-9999. To 9999. %



32

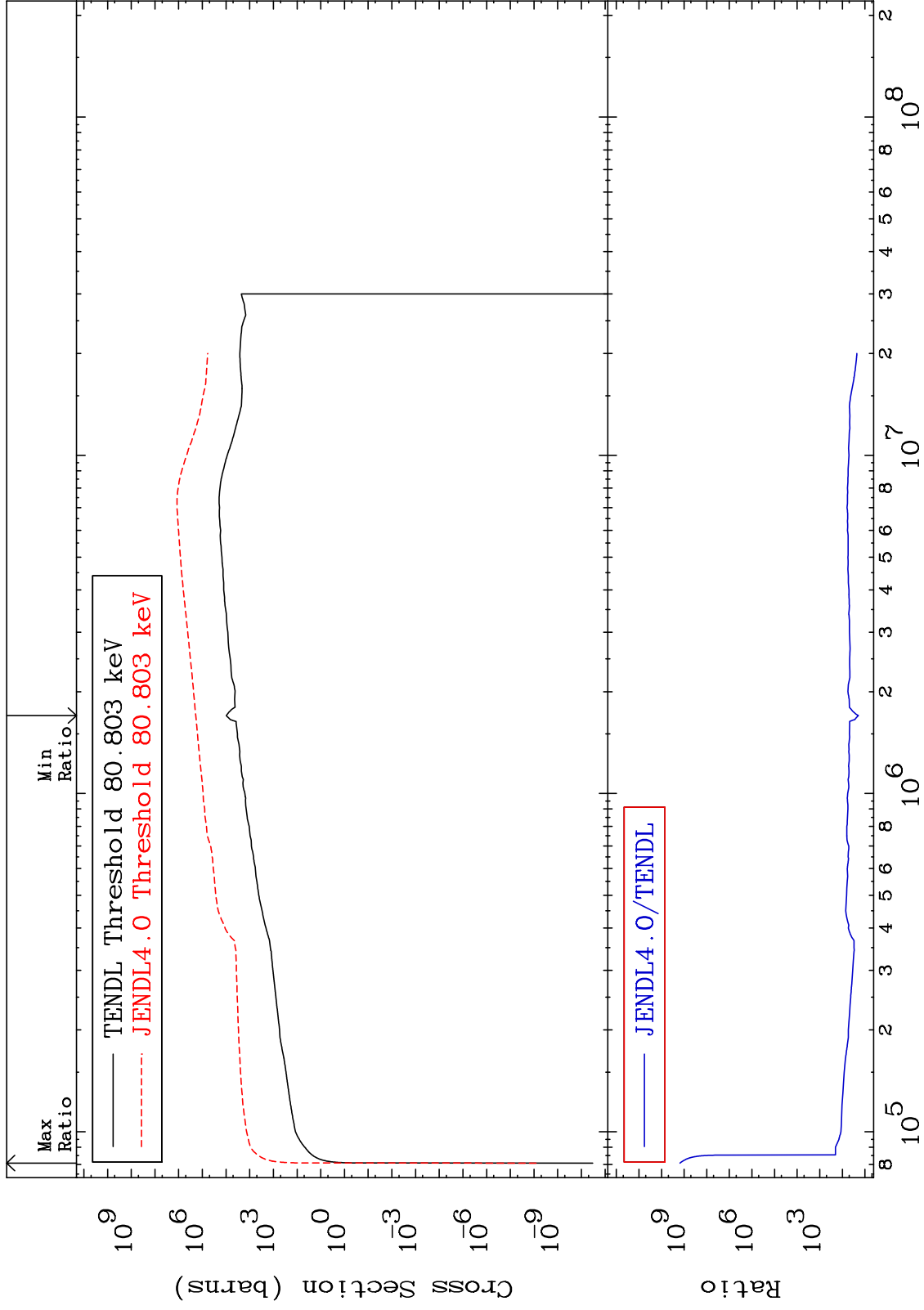
Incident Energy (eV)

54-Xe-131

MAT 5446

Kerma inelastic (mt51-91)
Cross Section

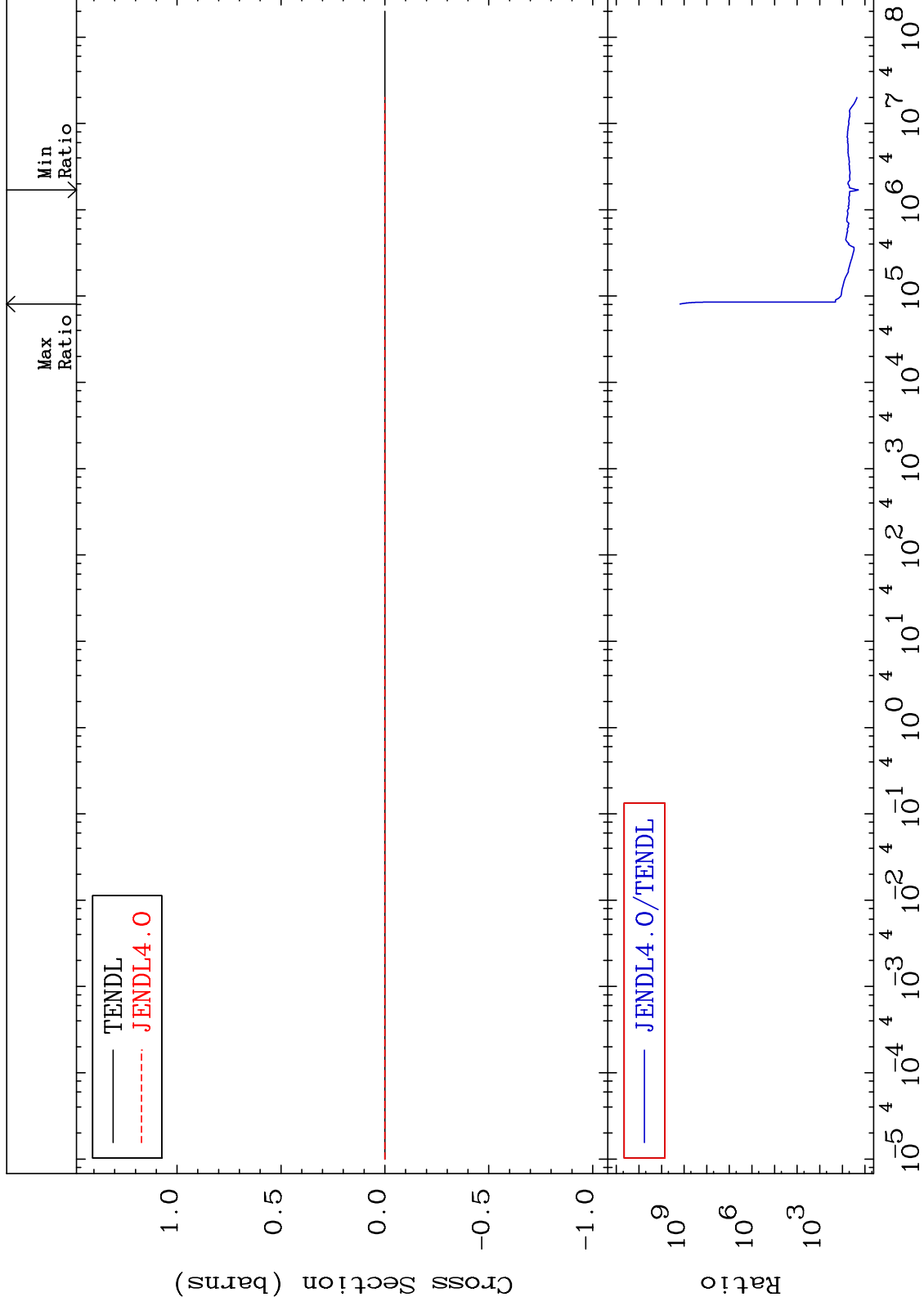
54-Xe-131
1851. To 9999. %



MAT 5446

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

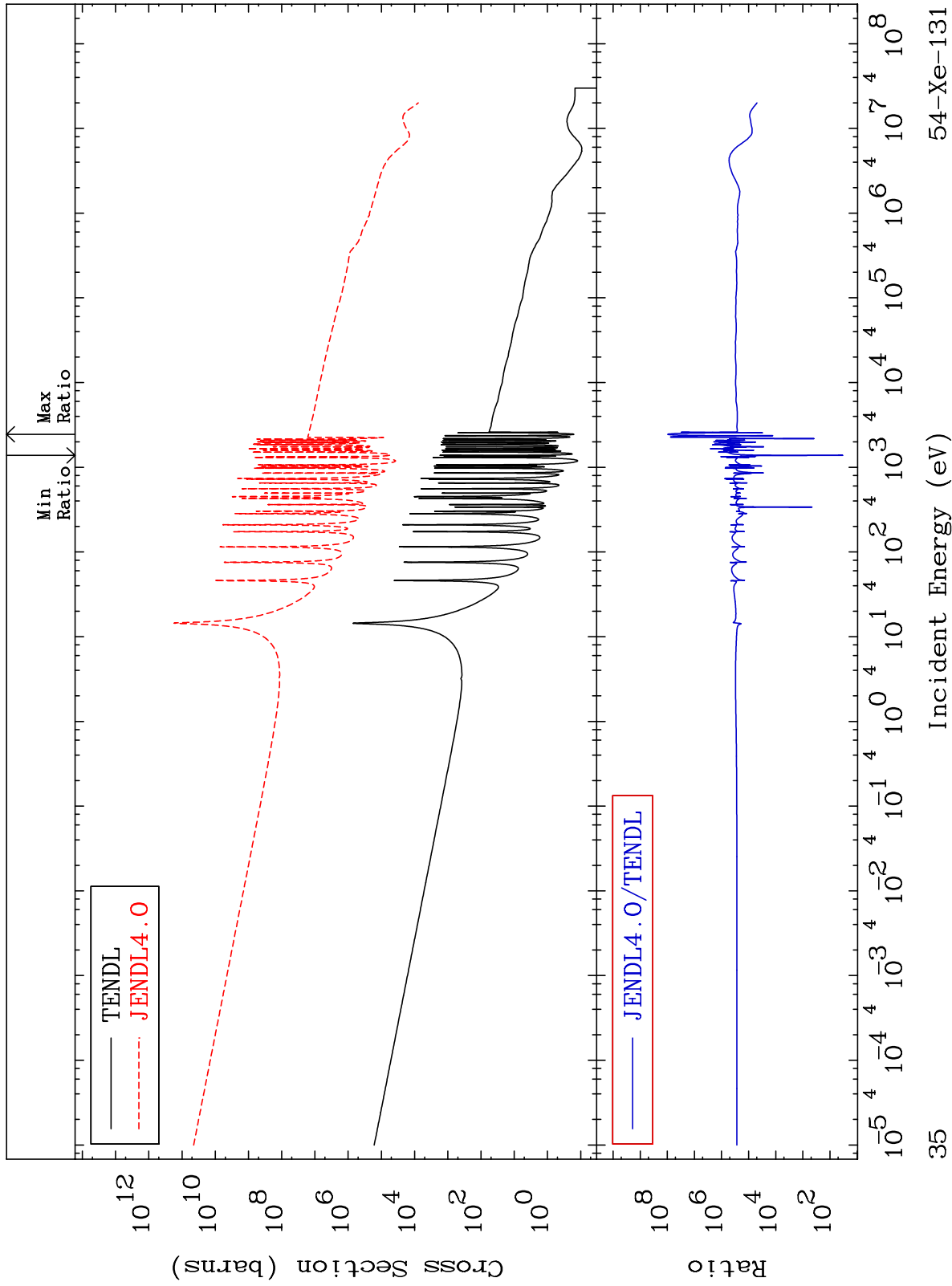
54-Xe-131
1851. To 9999. %



MAT 5446

Kerma capture (mt102)
Cross Section

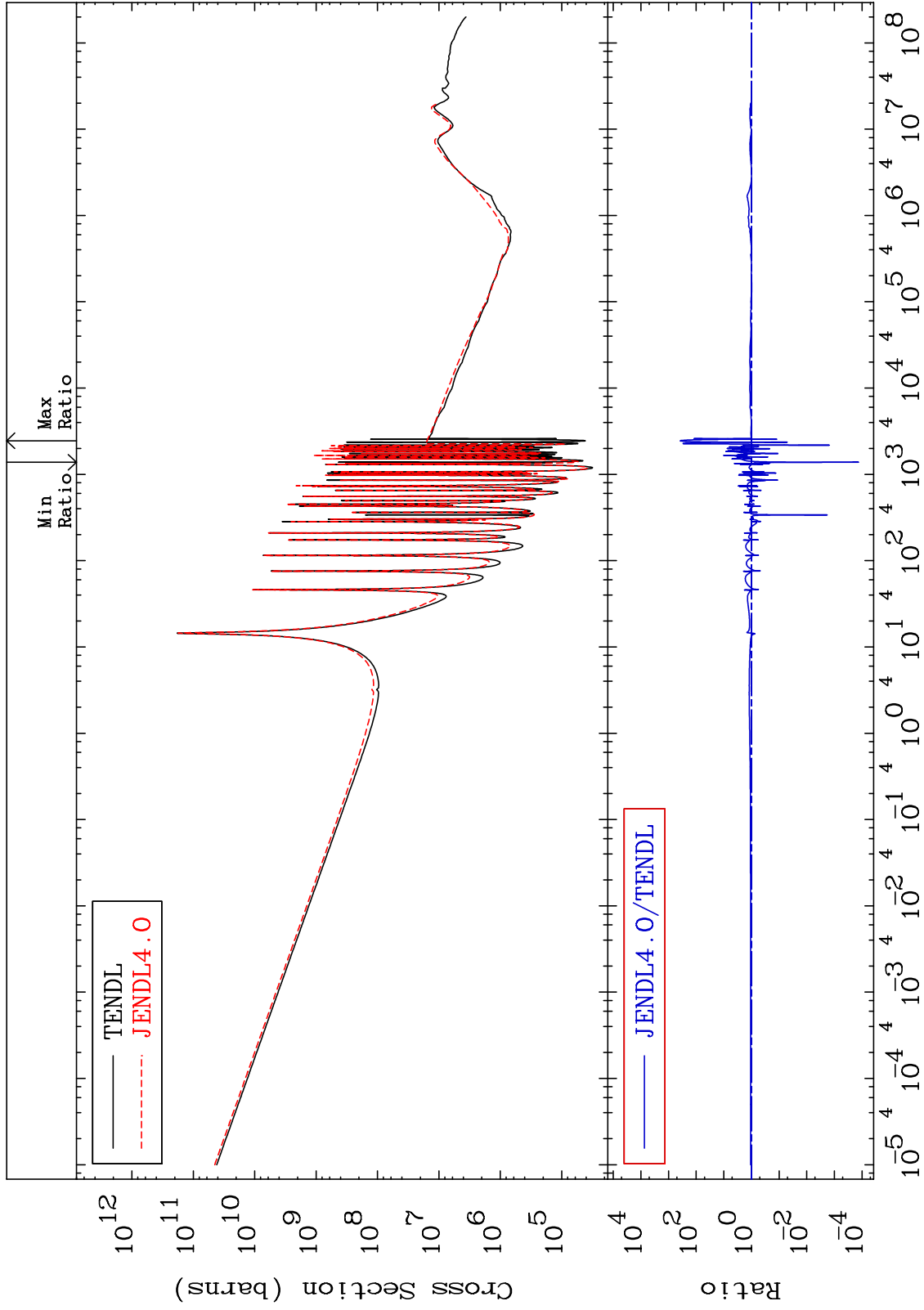
54-Xe-131
3316. To 9999. %



MAT 5446

Total photon (eV-barns)
Cross Section

54-Xe-131
-99.99 To 9999. %



36

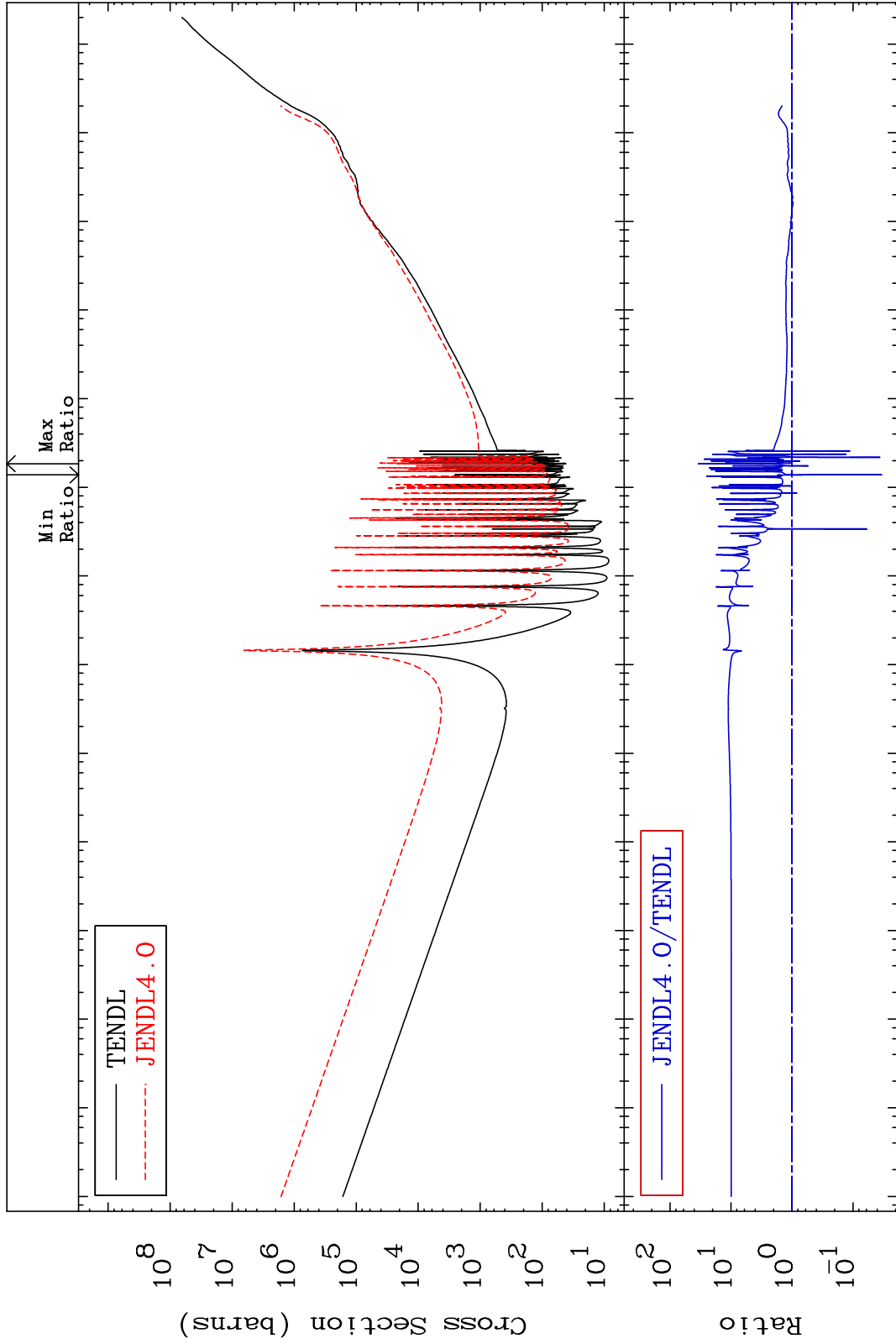
Incident Energy (eV)

54-Xe-131

MAT 5446

Total kinematic kerma (high limit)
Cross Section

54-Xe-131
-96.60 To 3326. %



37

Incident Energy (eV)

54-Xe-131

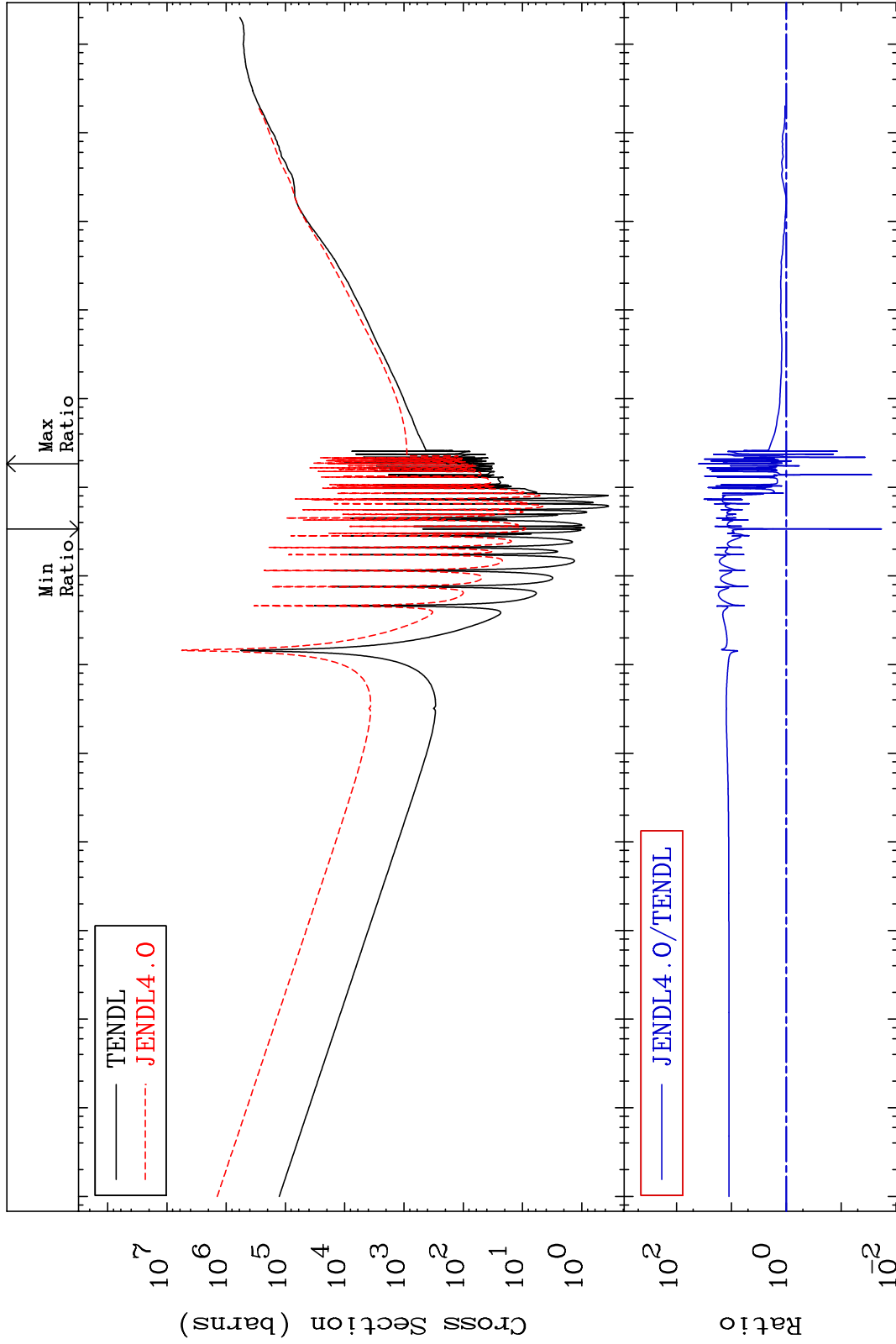
MAT 5446

Dpa total (eV-barns)

54-Xe-131

-98.16 To 3899. %

Cross Section



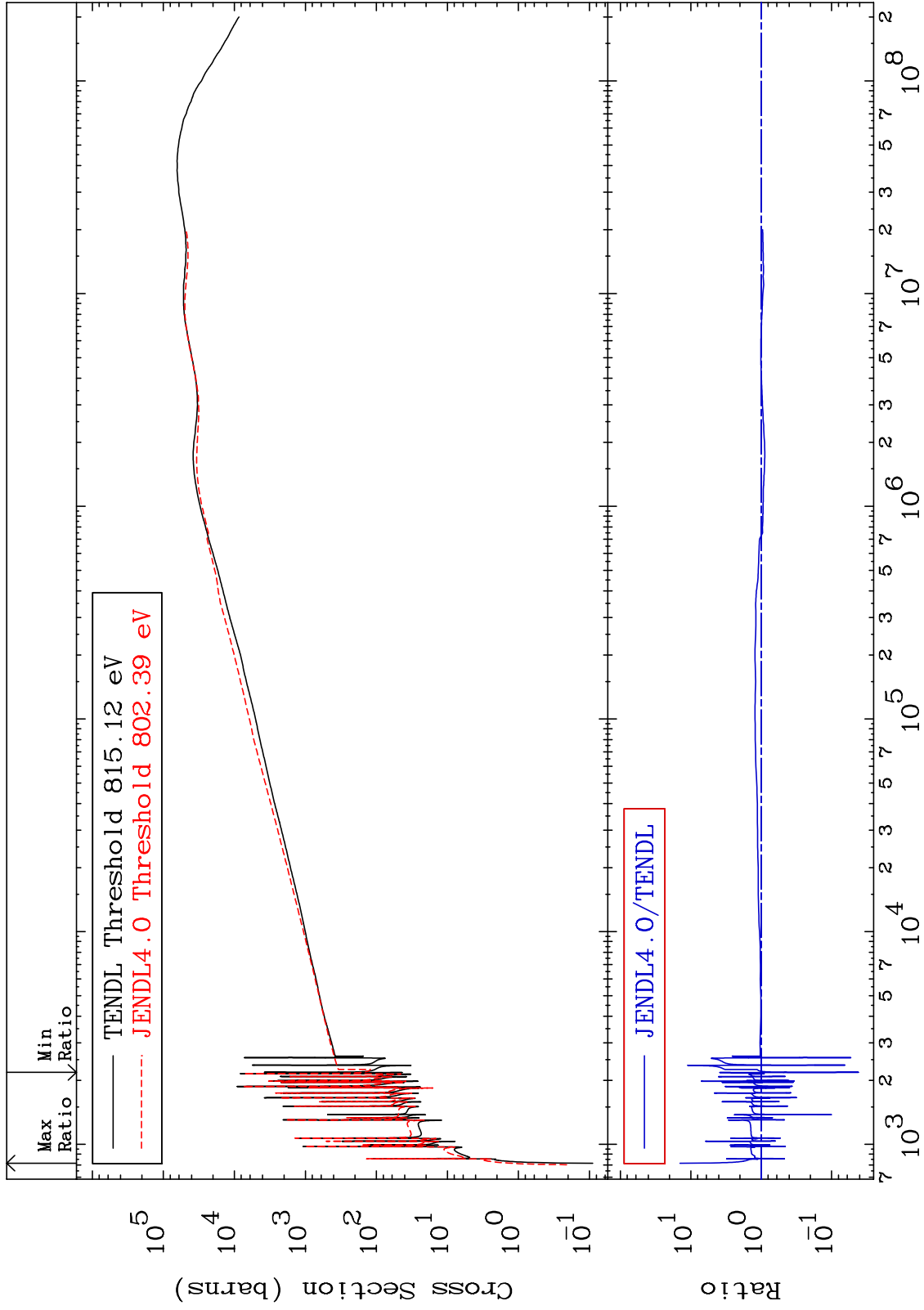
Incident Energy (eV)

54-Xe-131

MAT 5446

Dpa elastic (mt2)
Cross Section

54-Xe-131
-95.83 To 1321. %



39

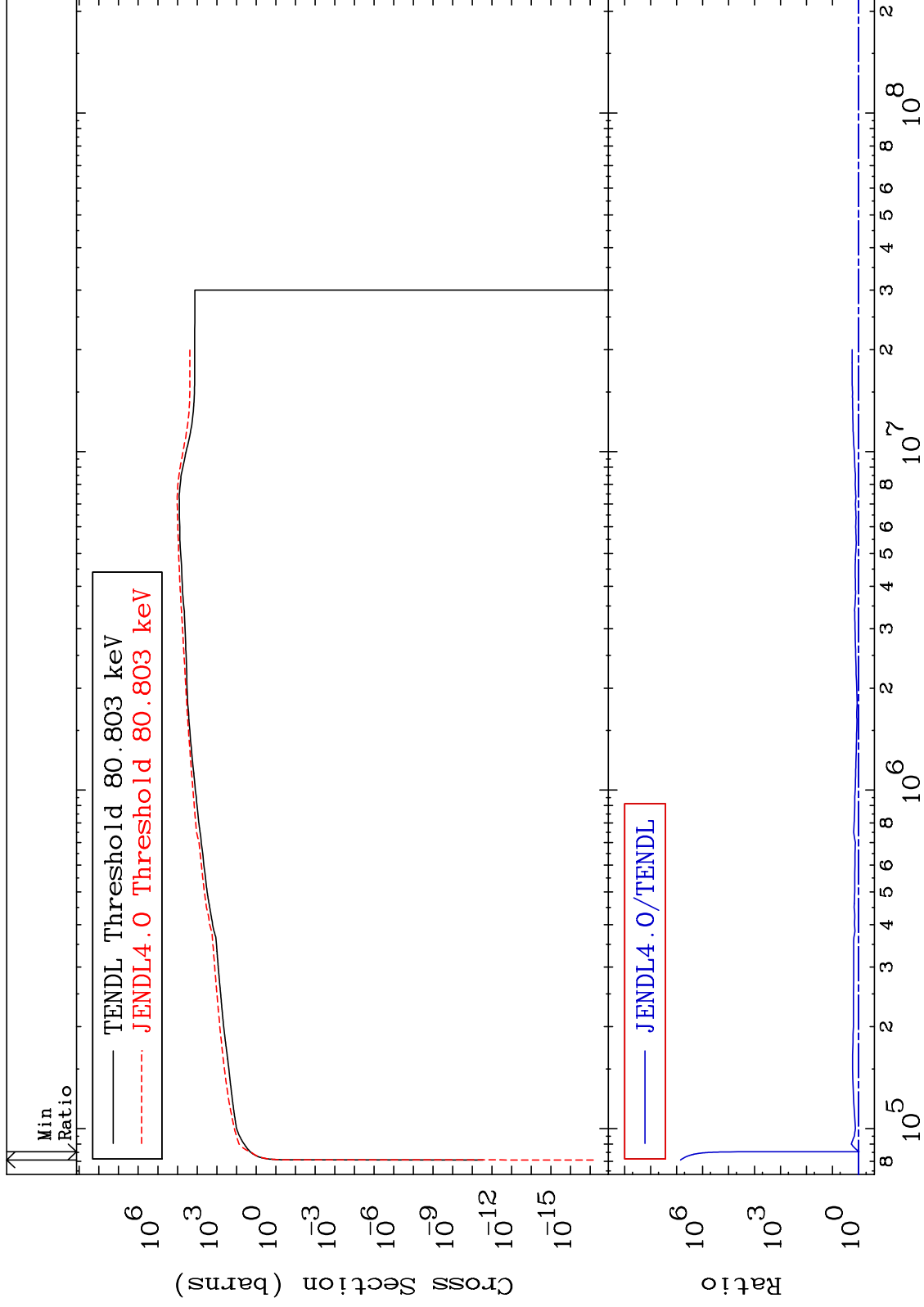
Incident Energy (eV)

54-Xe-131

MAT 5446

Dpa inelastic (mt51-91)
Cross Section

54-Xe-131
-6.802 To 9999. %



40

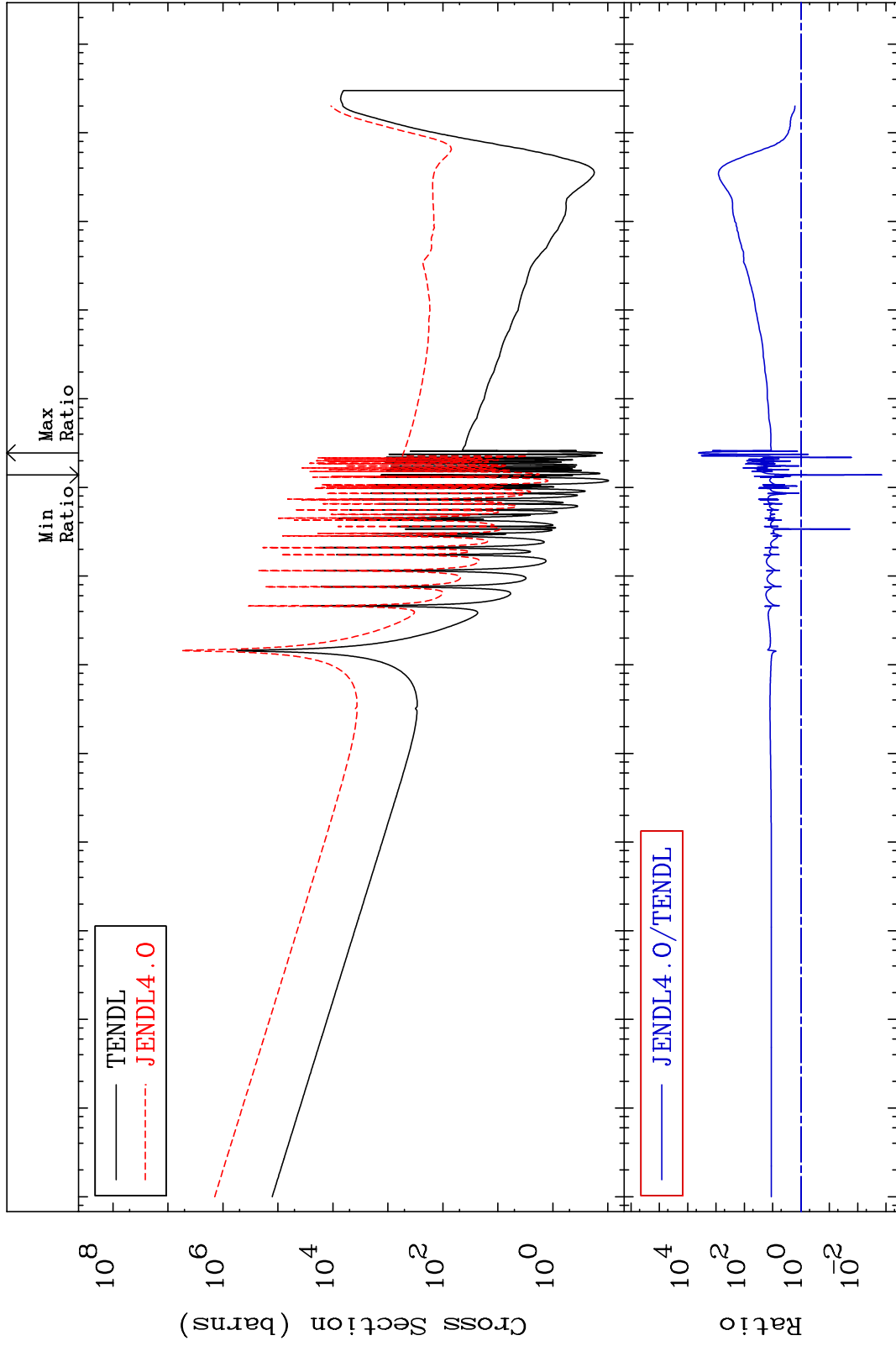
Incident Energy (eV)

54-Xe-131

MAT 5446

Dpa disappearance (mt102 -120)
Cross Section

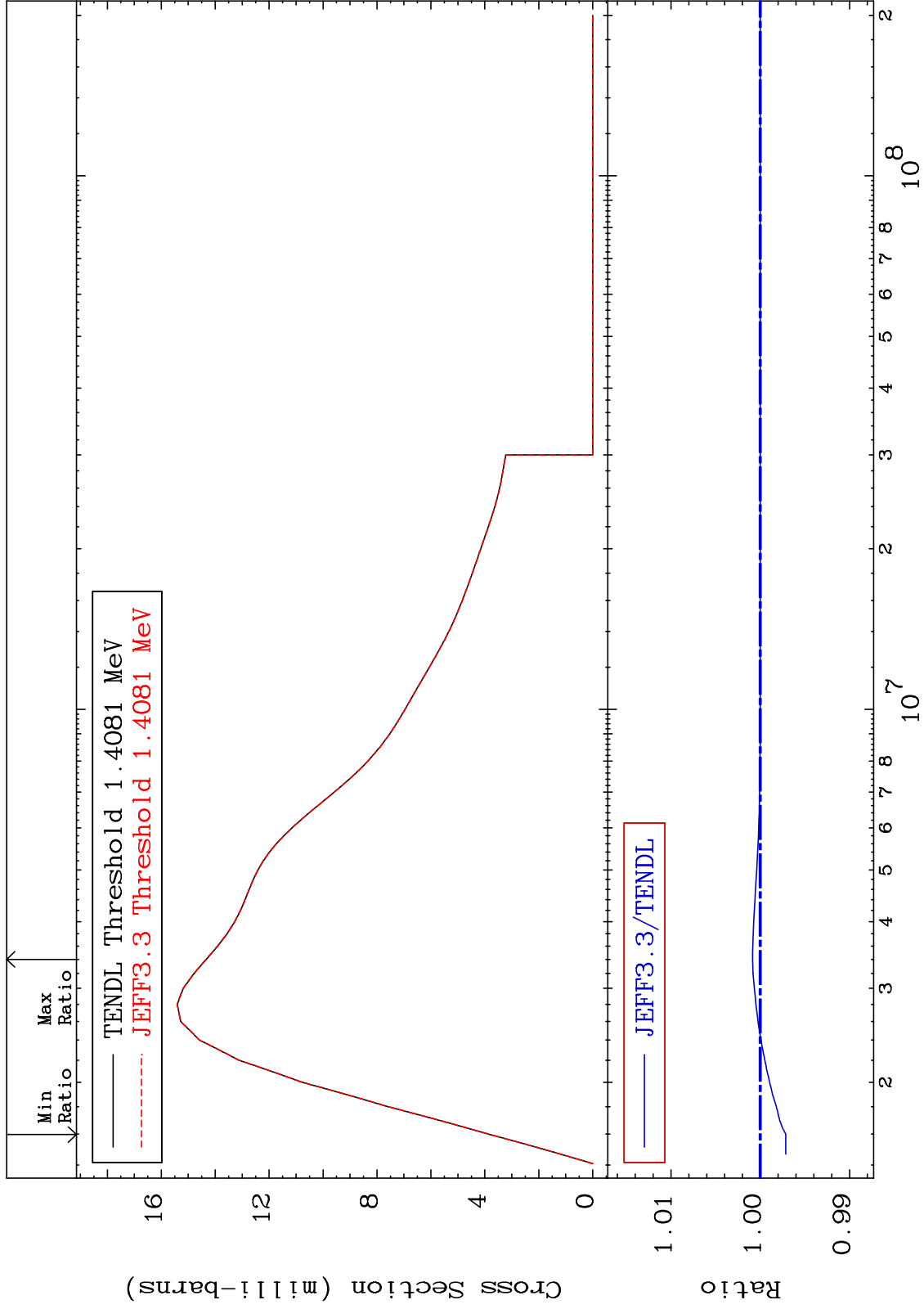
54-Xe-131
-99.86 To 9999. %



MAT 5446

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

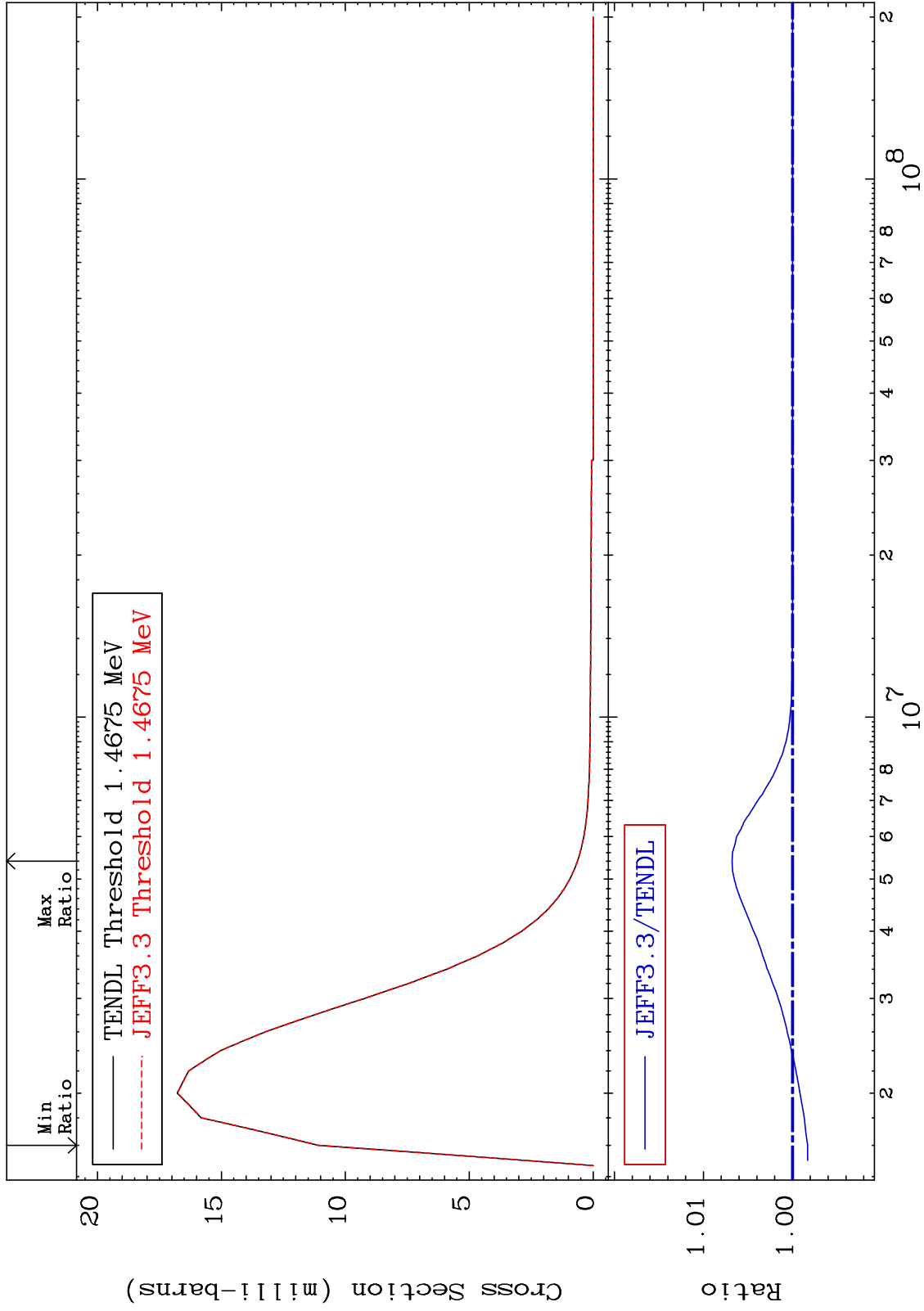
54-Xe-131
-0.286 To 0.086 %



MAT 5446

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

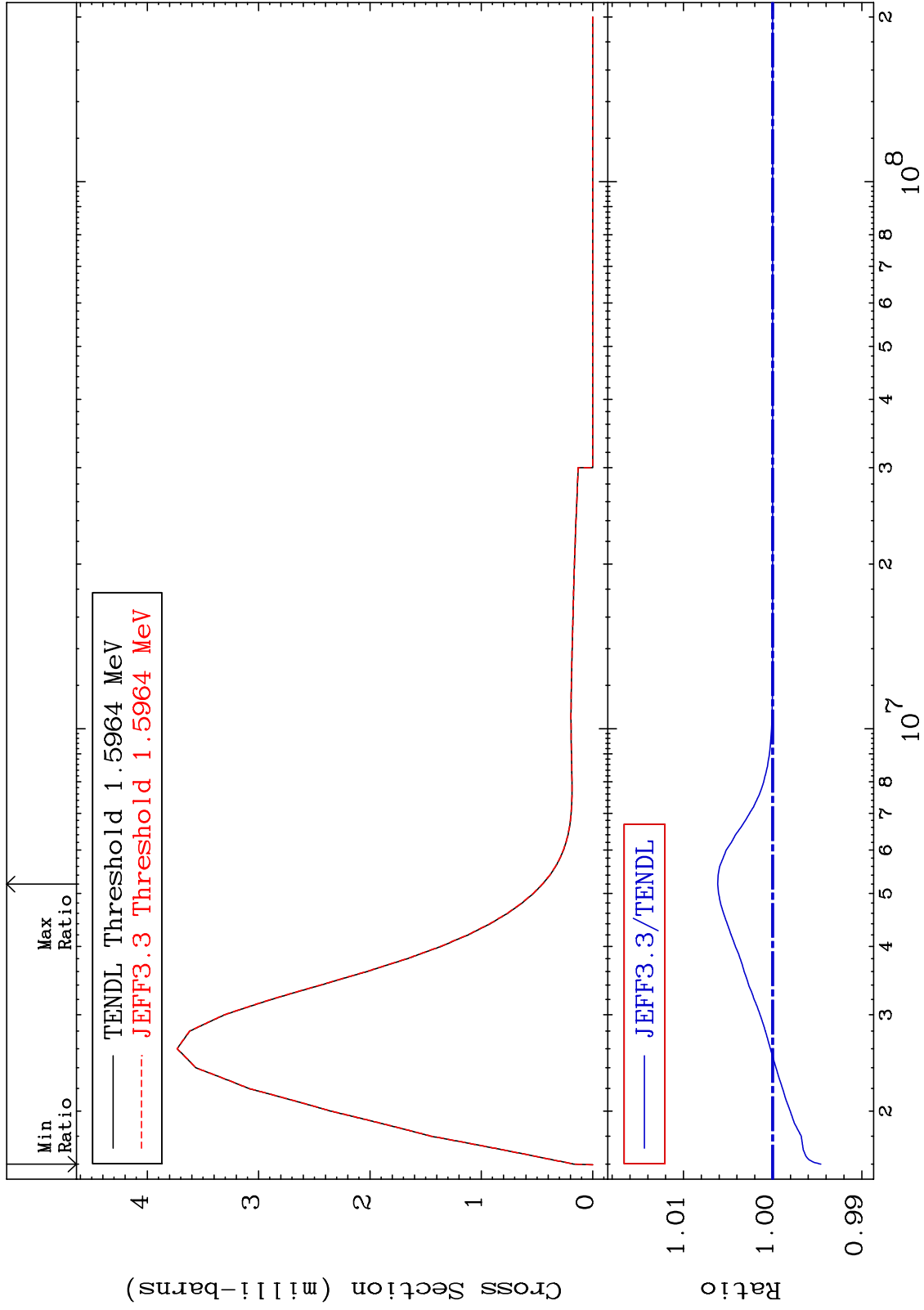
54-Xe-131
-0.170 To 0.678 %



MAT 5446

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

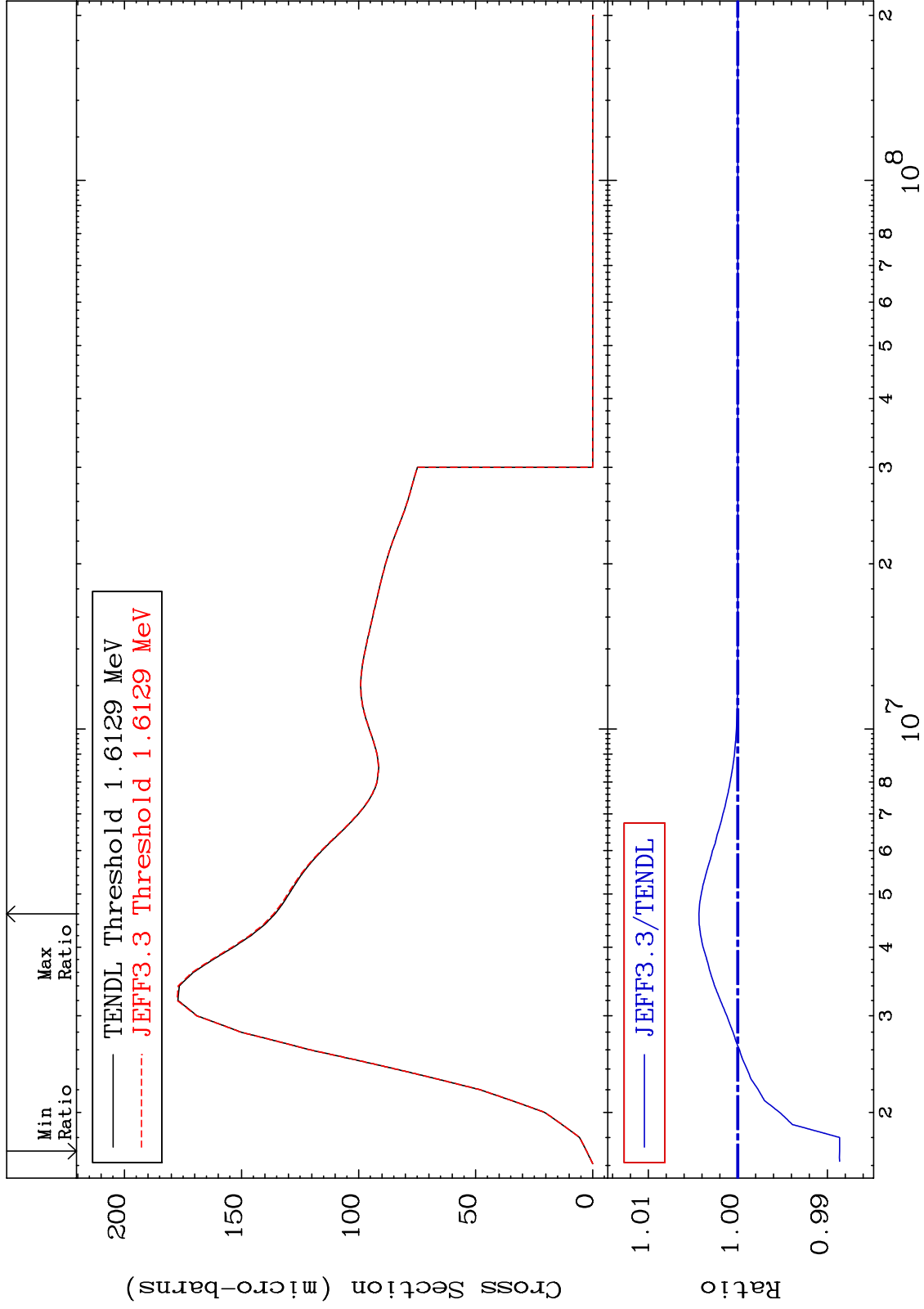
54-Xe-131
-0.541 To 0.617 %



MAT 5446

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

54-Xe-131
-1.136 To 0.434 %



45

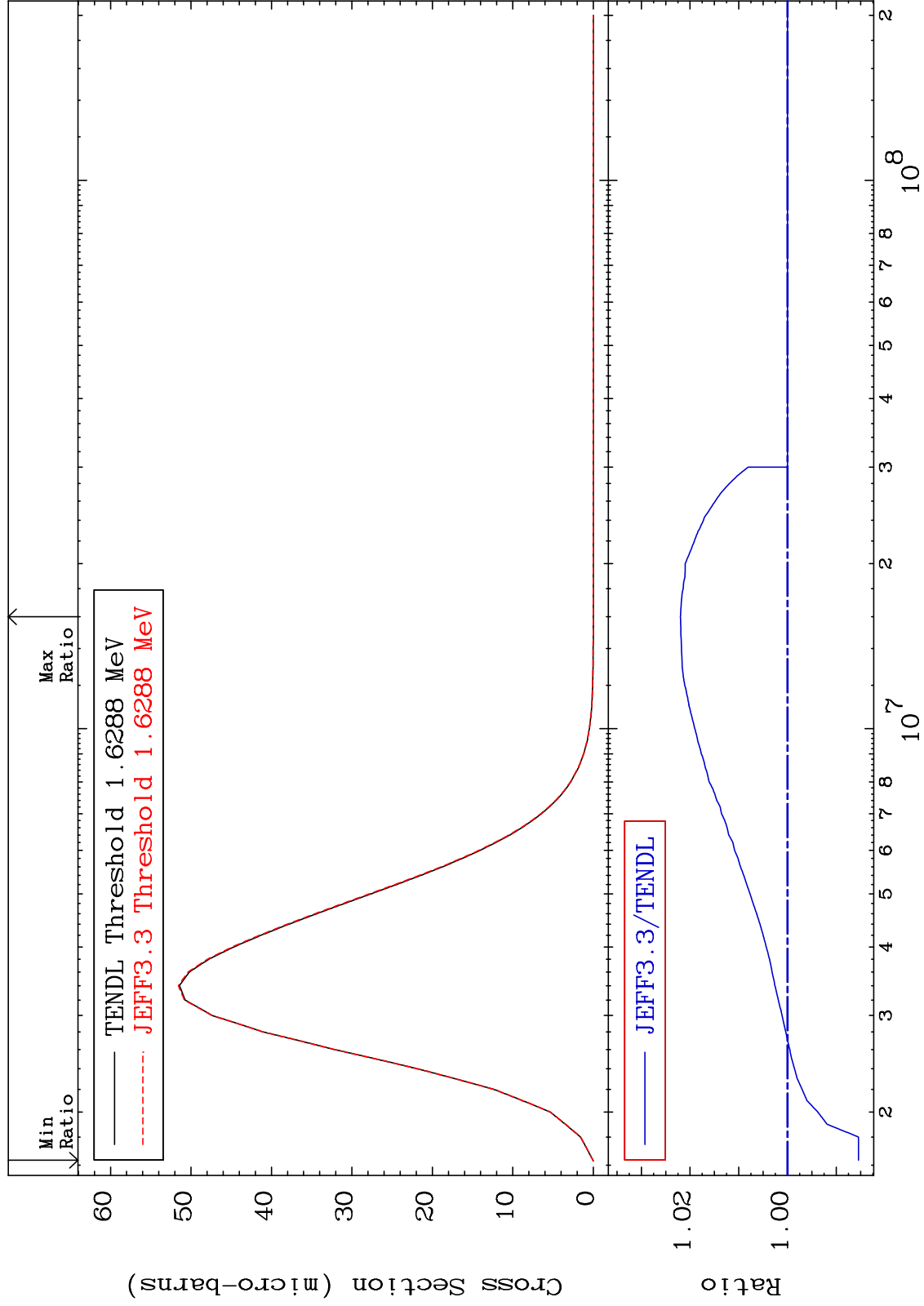
Incident Energy (eV)

54-Xe-131

MAT 5446

MT= 78 (n,n') Level
Cross Section

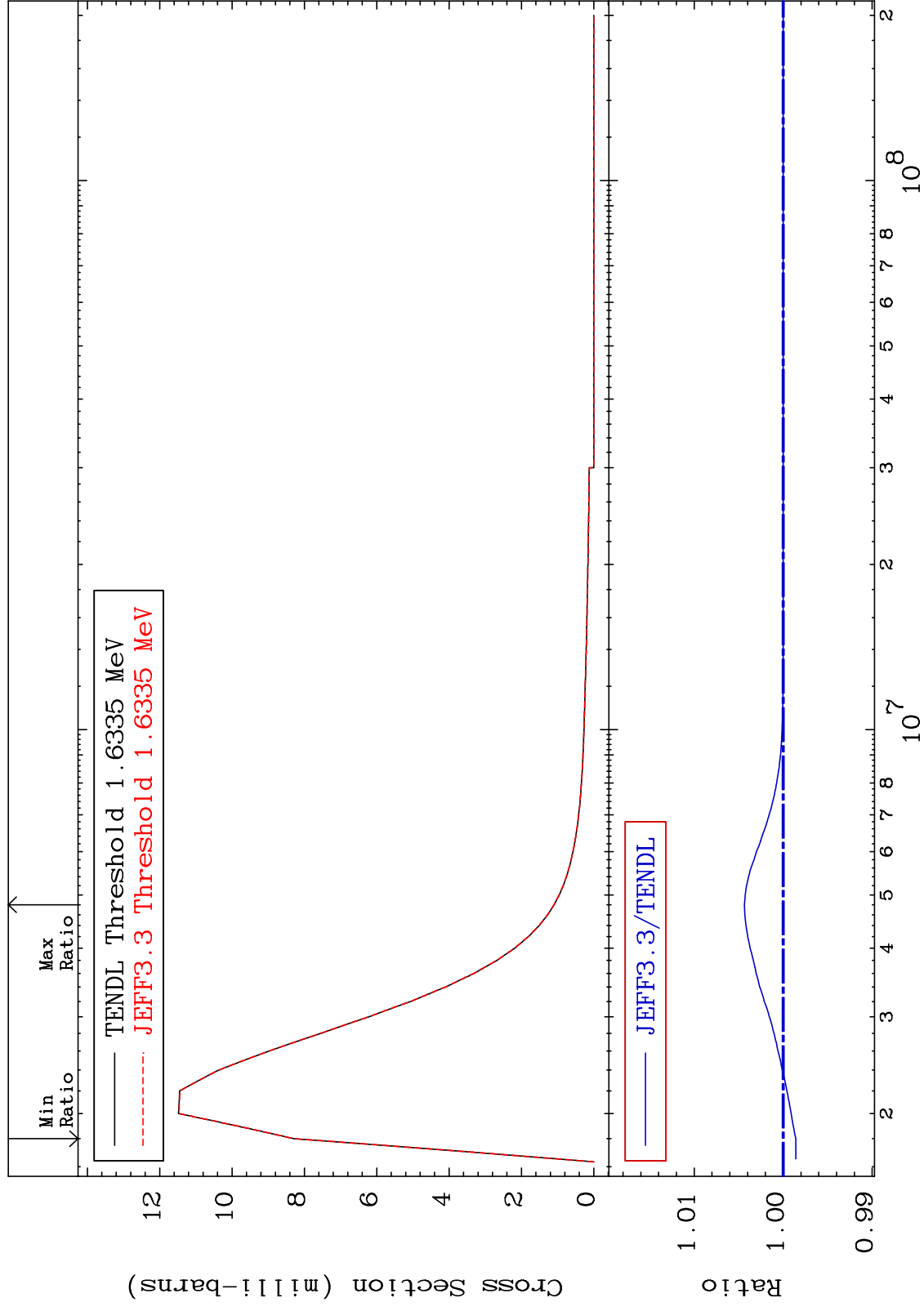
54-Xe-131
-1.456 To 2.197 %



MAT 5446

MT= 79 (n,n') Level
Cross Section

54-Xe-131
-0.142 To 0.435 %



47

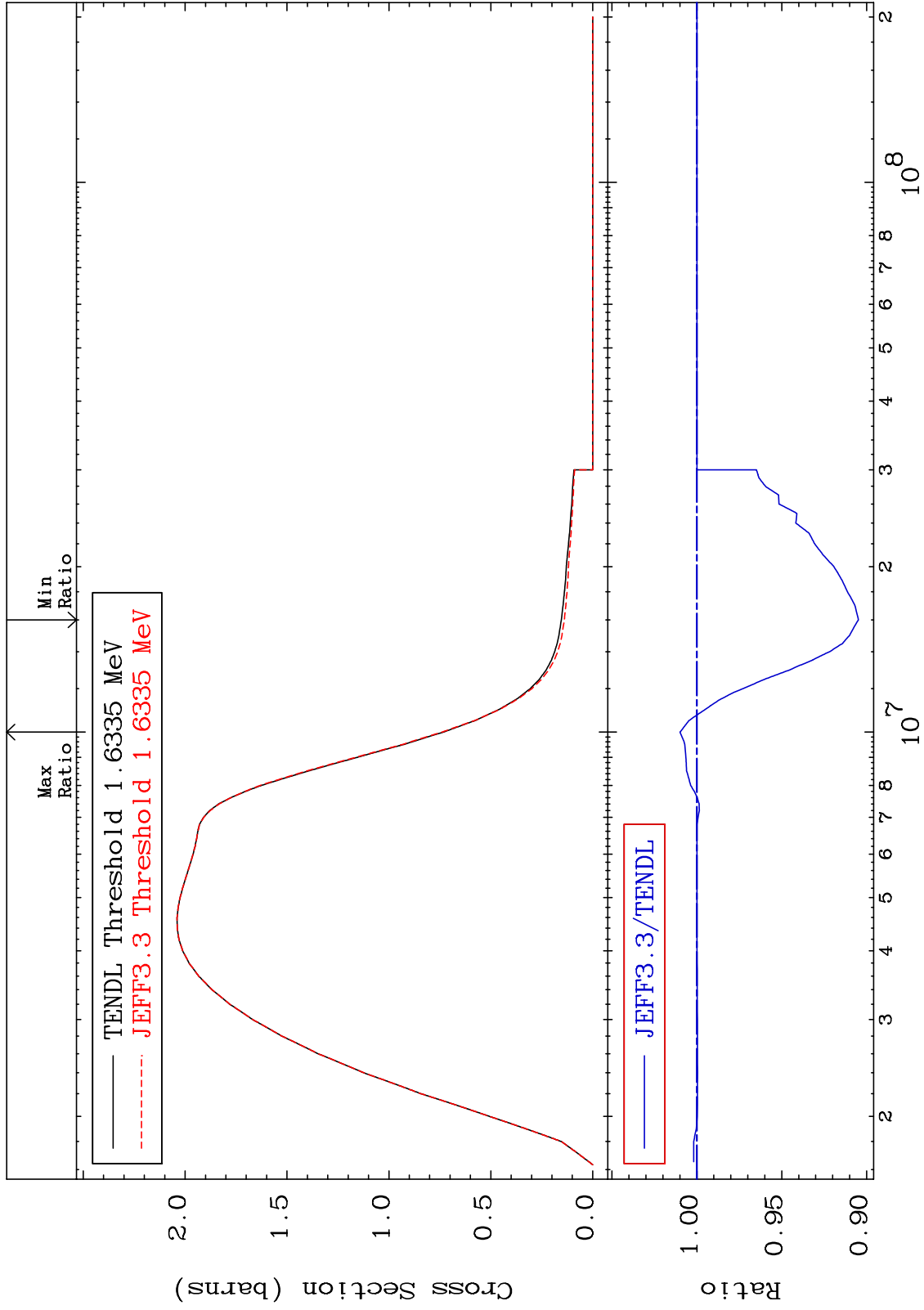
Incident Energy (eV)

54-Xe-131

MAT 5446

(n, n') Continuum
Cross Section

54-Xe-131
-9.514 To 0.992 %



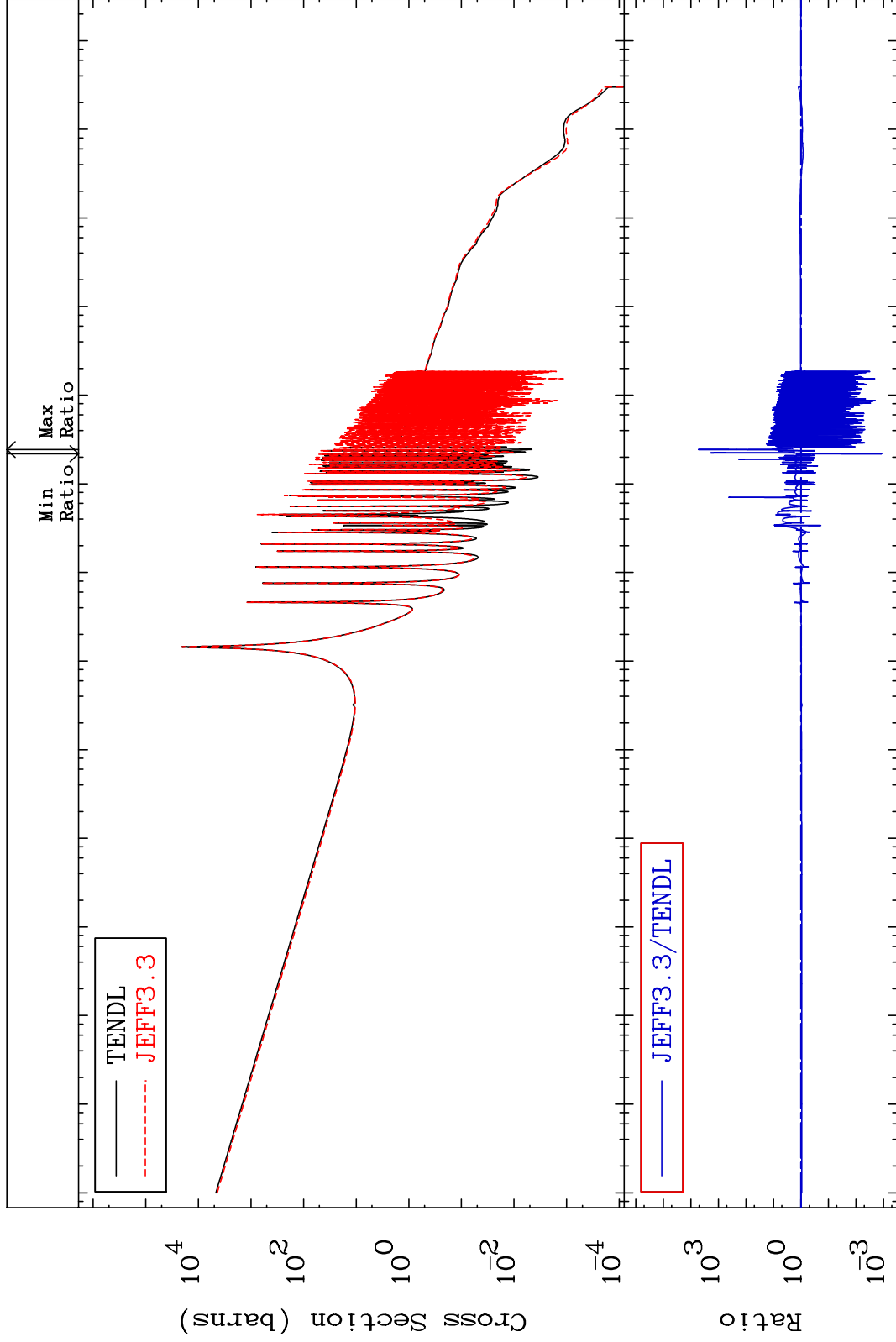
MAT 5446

(n, γ)

54-Xe-131

Cross Section

-99.88 To 9999. %



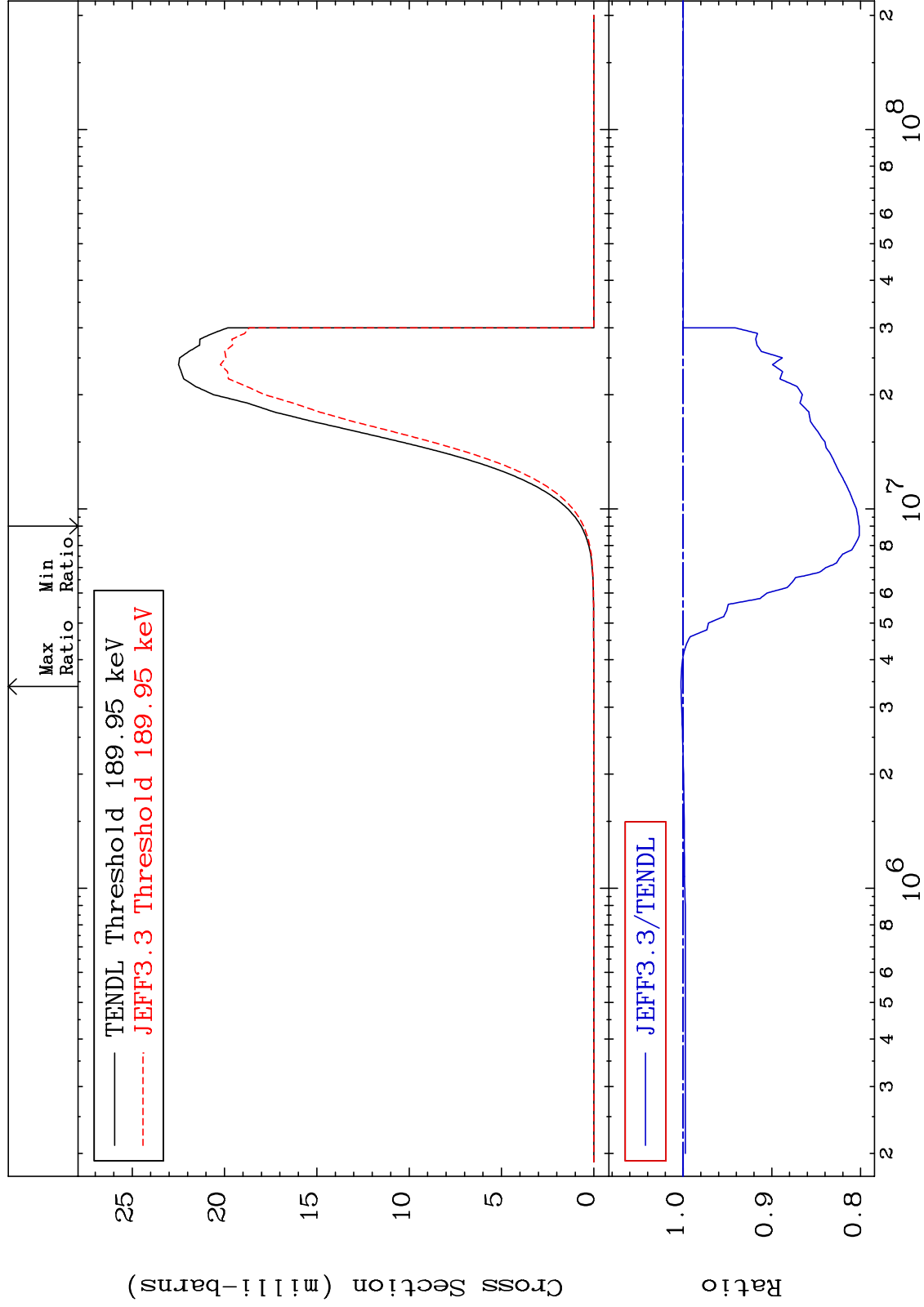
MAT 5446

(n, p)

54-Xe-131

Cross Section

-19.85 To 0.227 %



50

Incident Energy (eV)

54-Xe-131

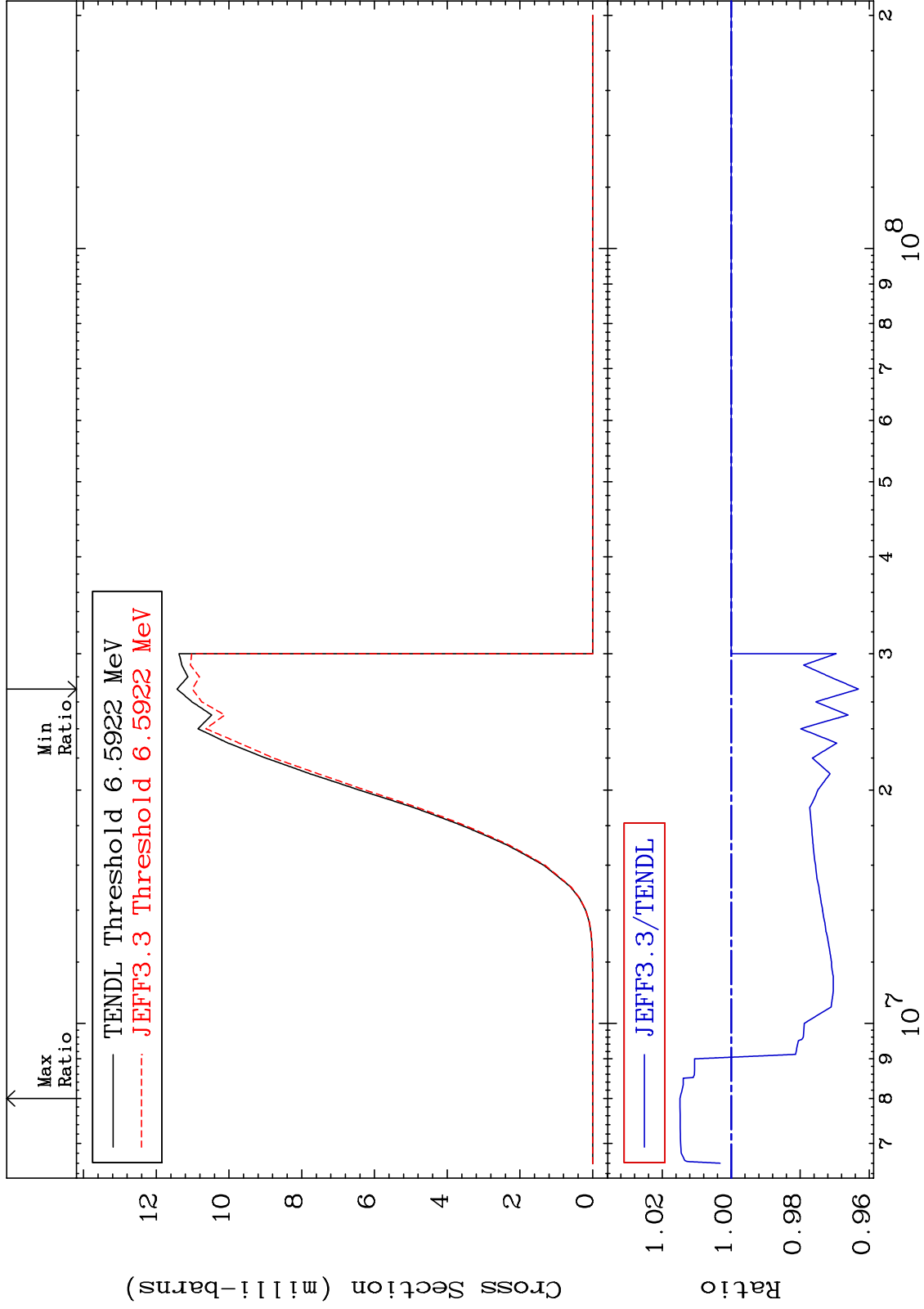
MAT 5446

(n, d)

54-Xe-131

Cross Section

-3.687 To 1.485 %



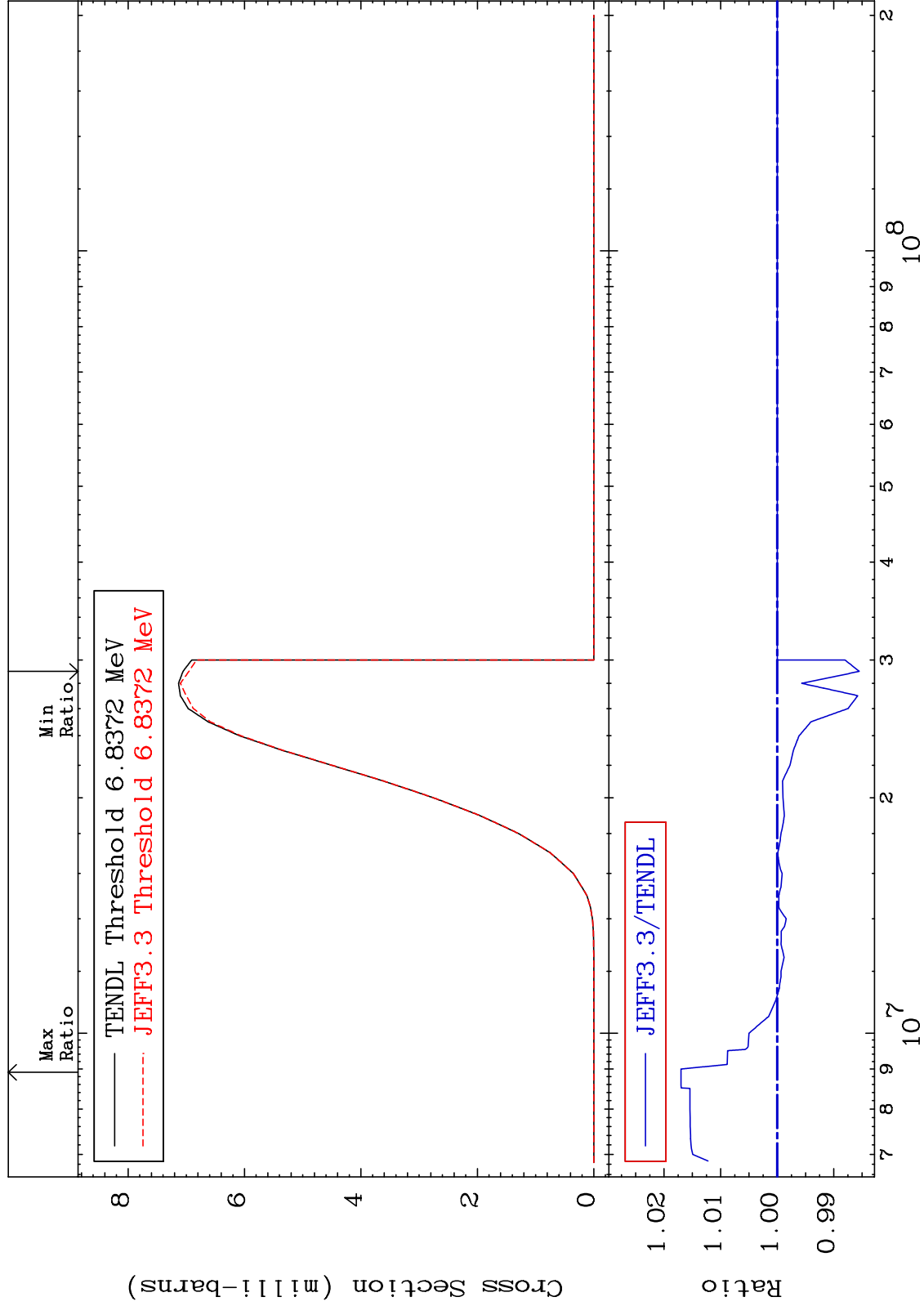
MAT 5446

(n, t)

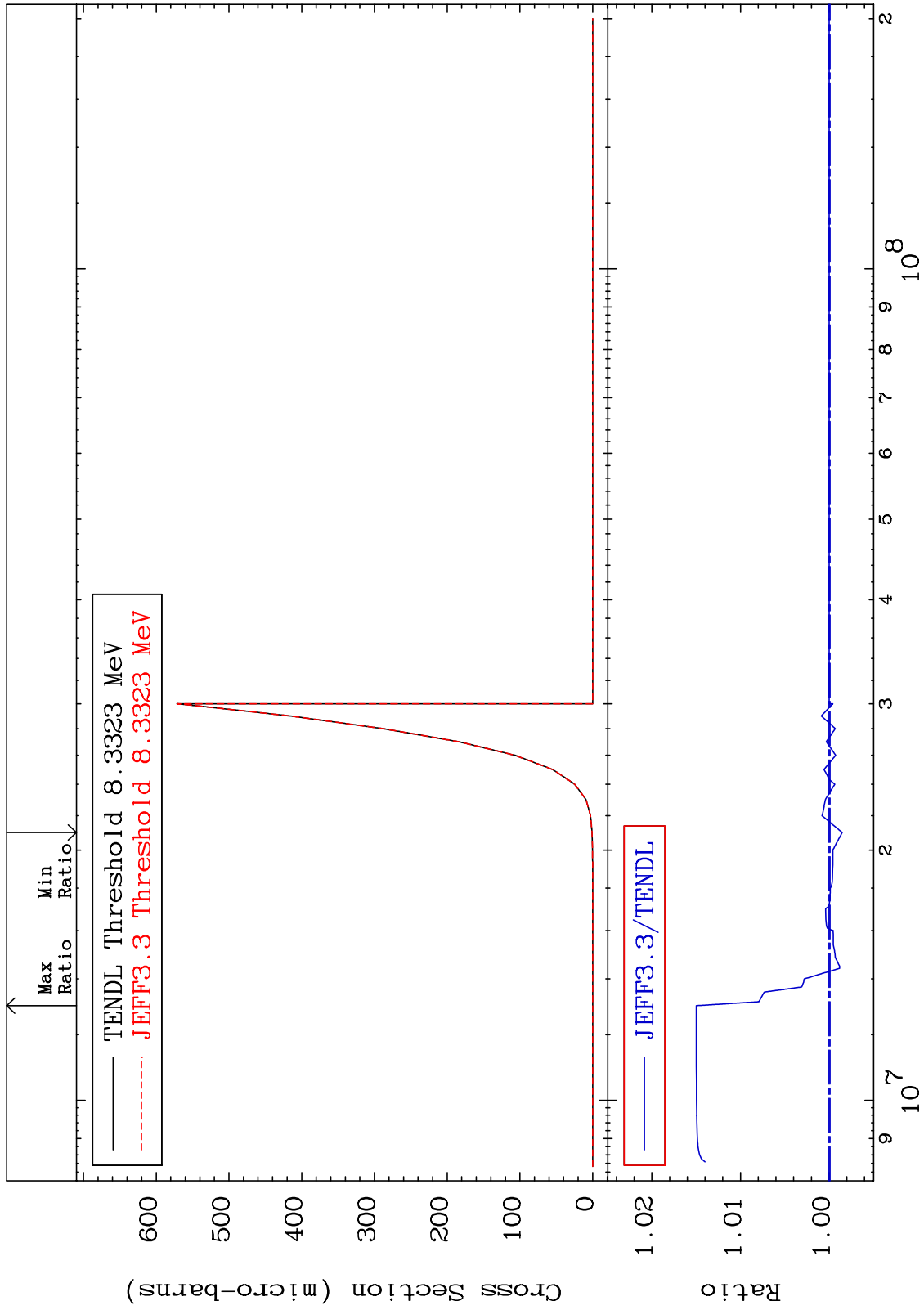
54-Xe-131

-1.449 To 1.698 %

Cross Section



MAT 5446 (n, He-3) 54-Xe-131
 Cross Section -0.148 To 1.500 %



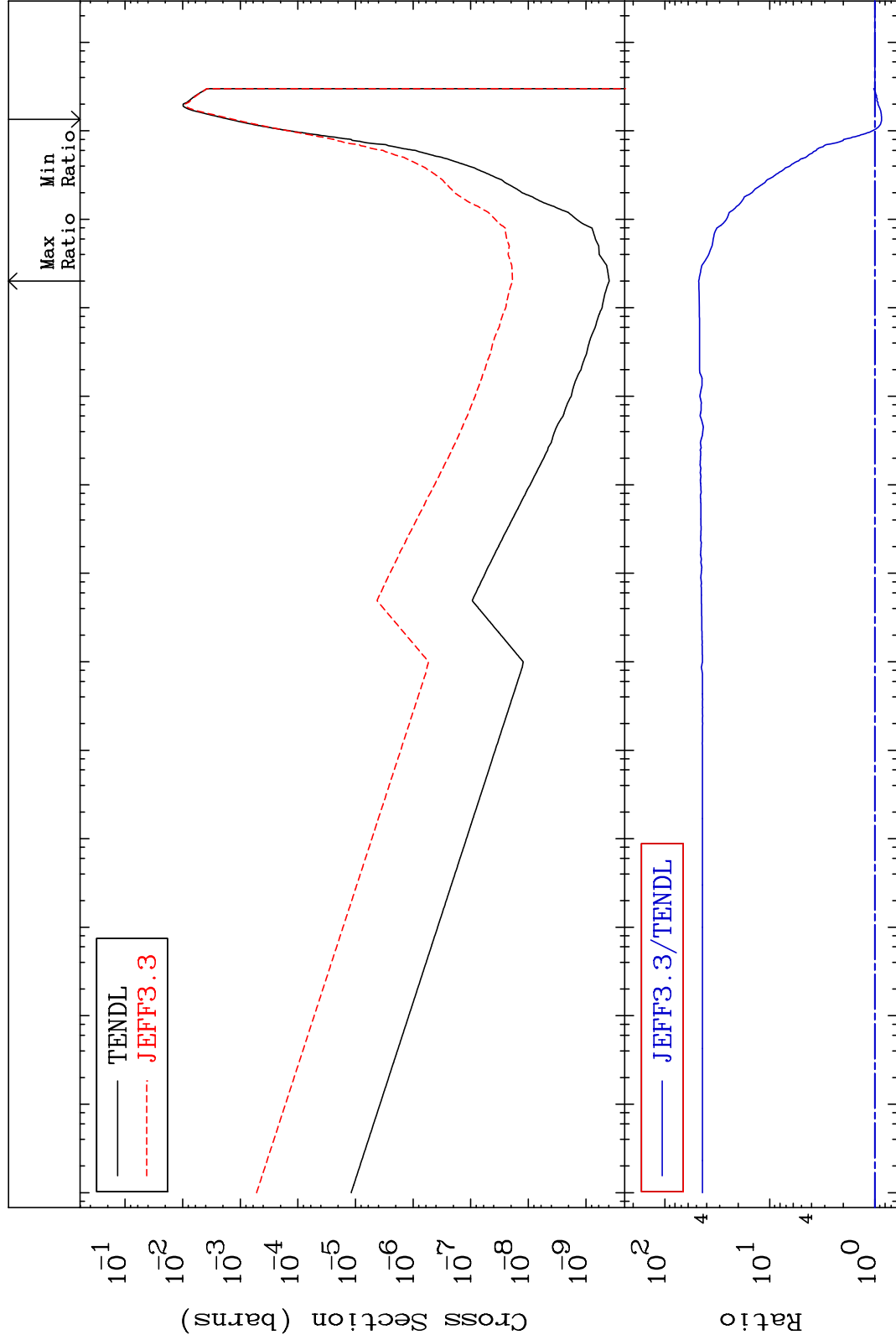
MAT 5446

(n, α)

54-Xe-131

Cross Section

-13.69 To 4657. %



Incident Energy (eV)

54

54-Xe-131

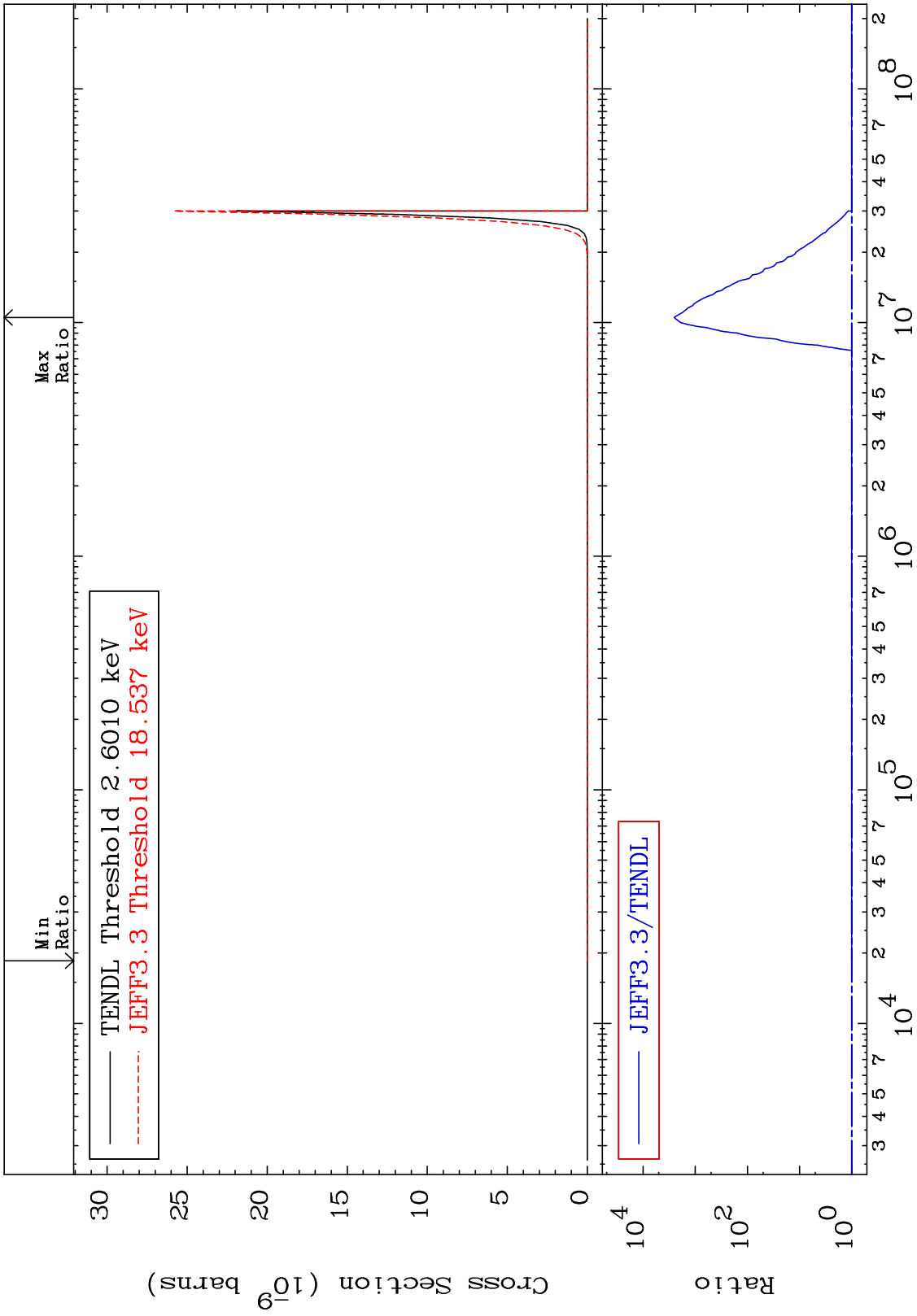
MAT 5446

(n,2α)

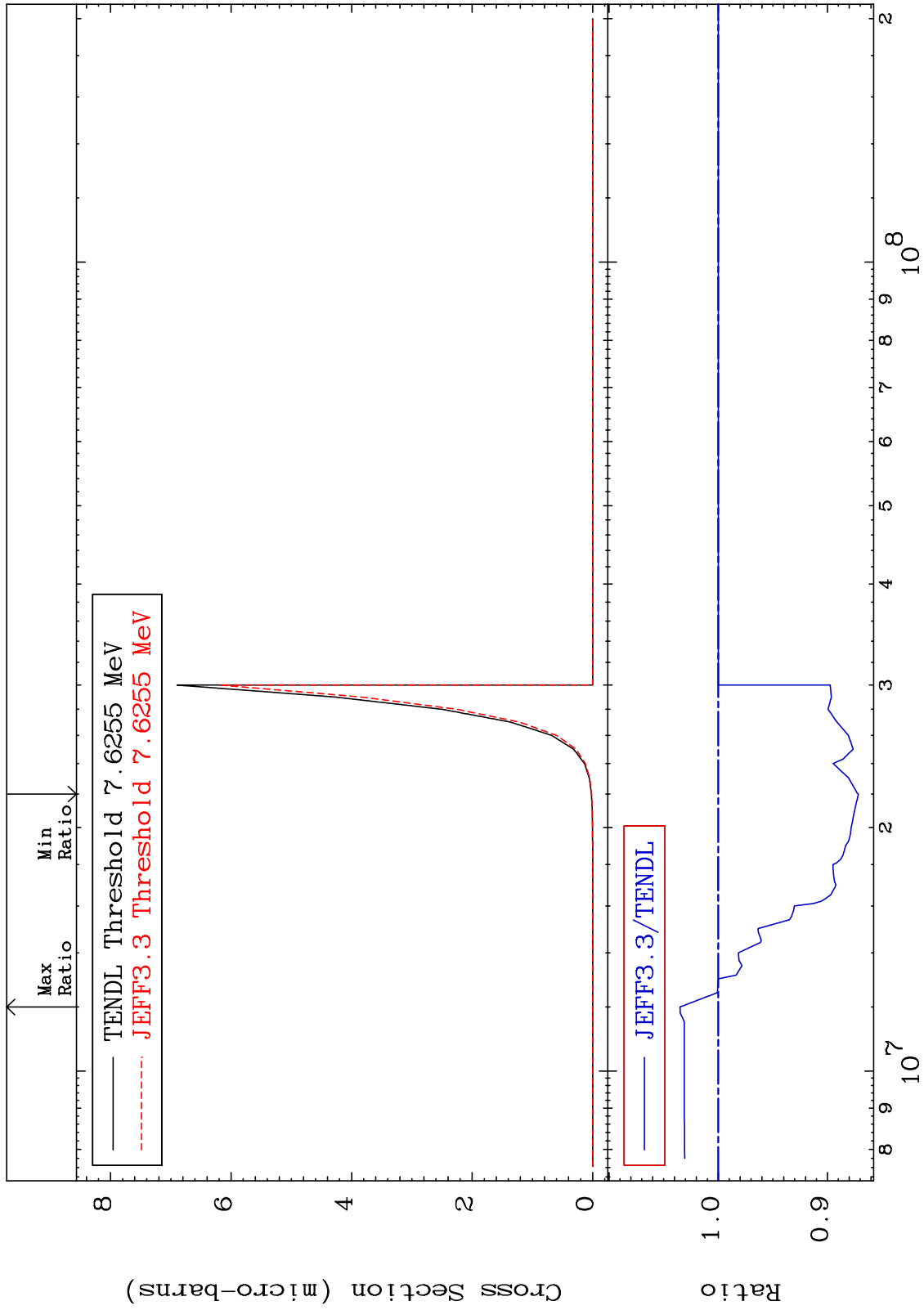
54-Xe-131

Cross Section

0.000 To 9999. %



MAT 5446 (n,2p) Cross Section 54-Xe-131 -12.84 To 3.502 %



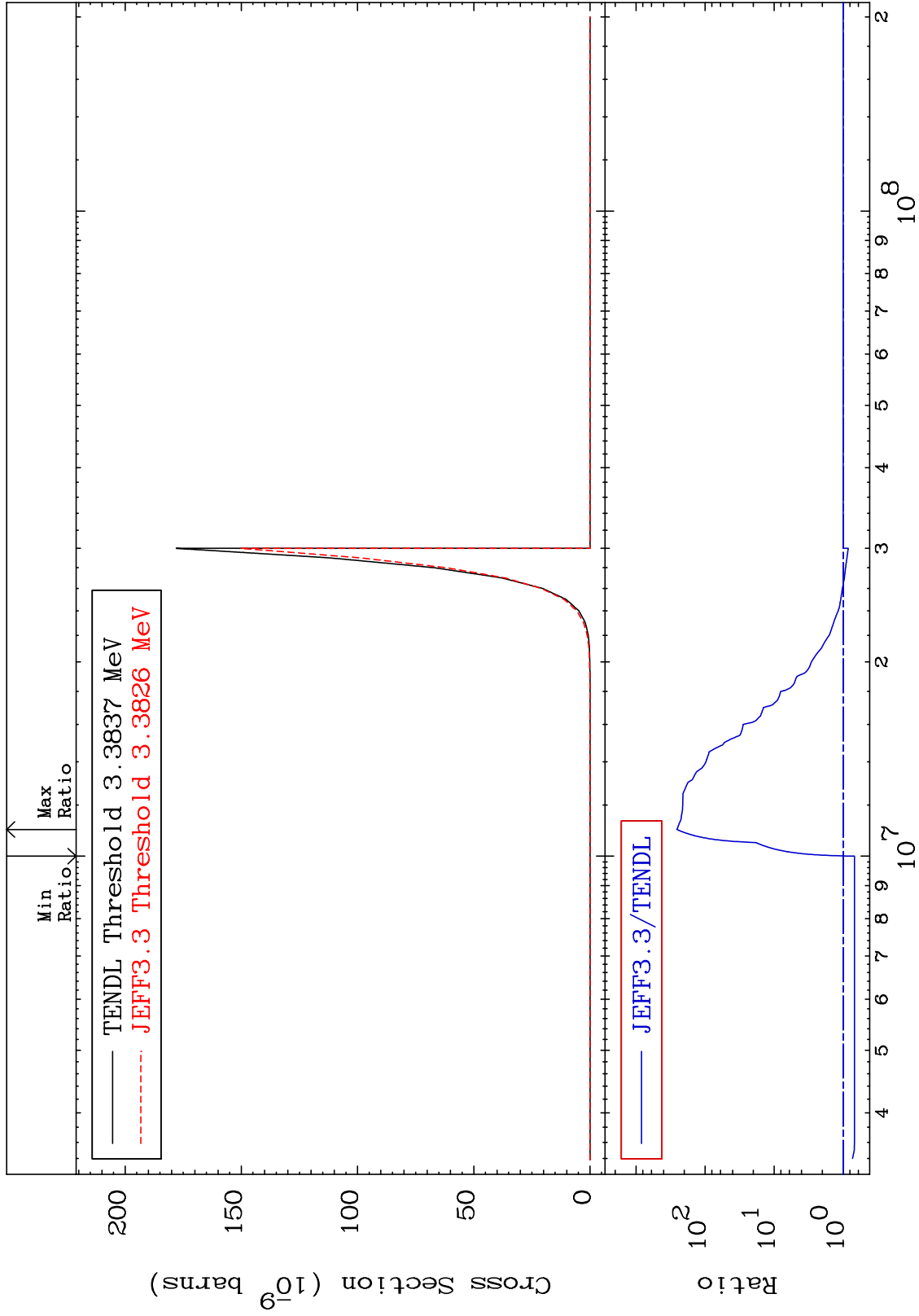
MAT 5446

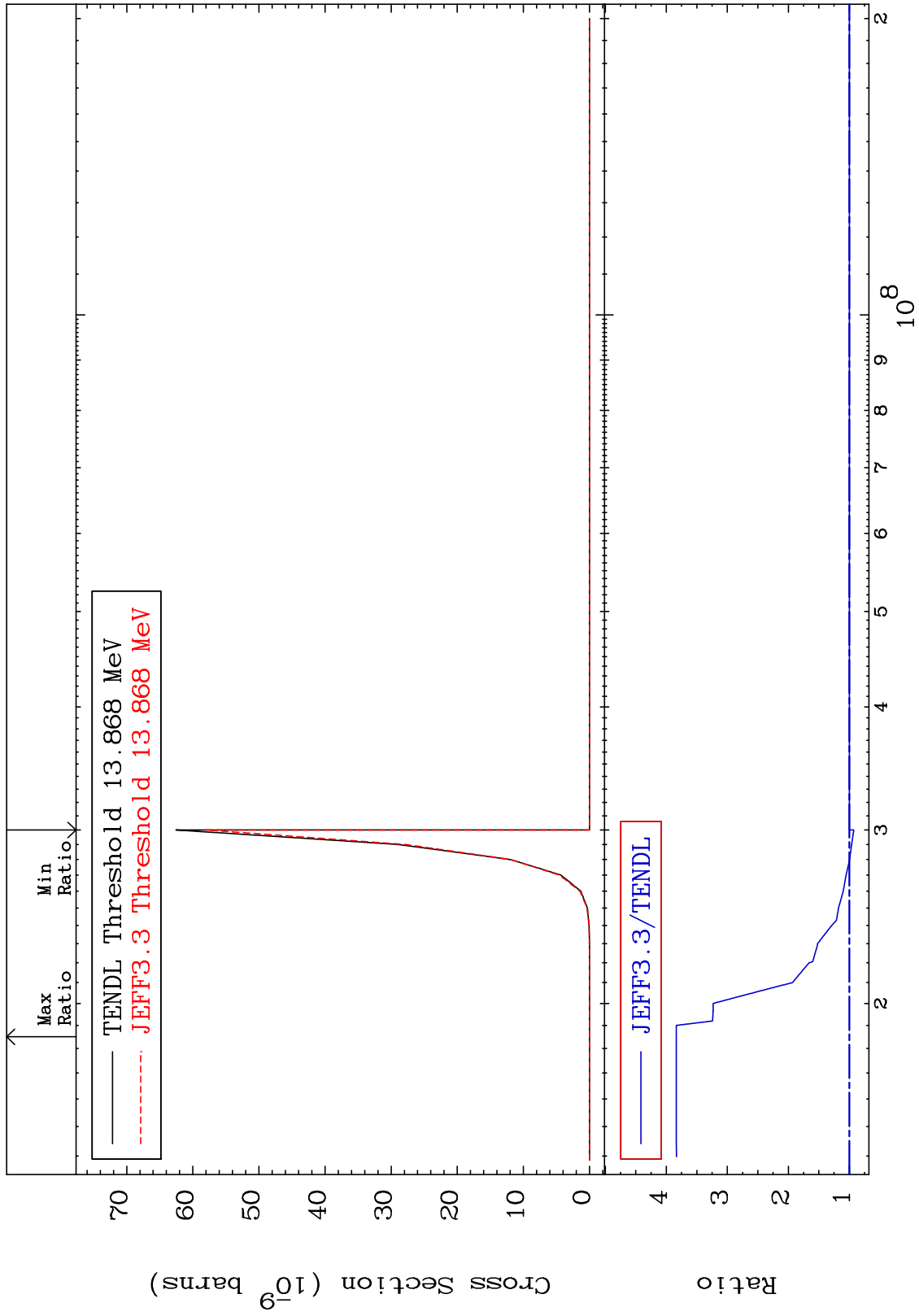
(n,p) α

54-Xe-131

Cross Section

-31.54 To 9999. %





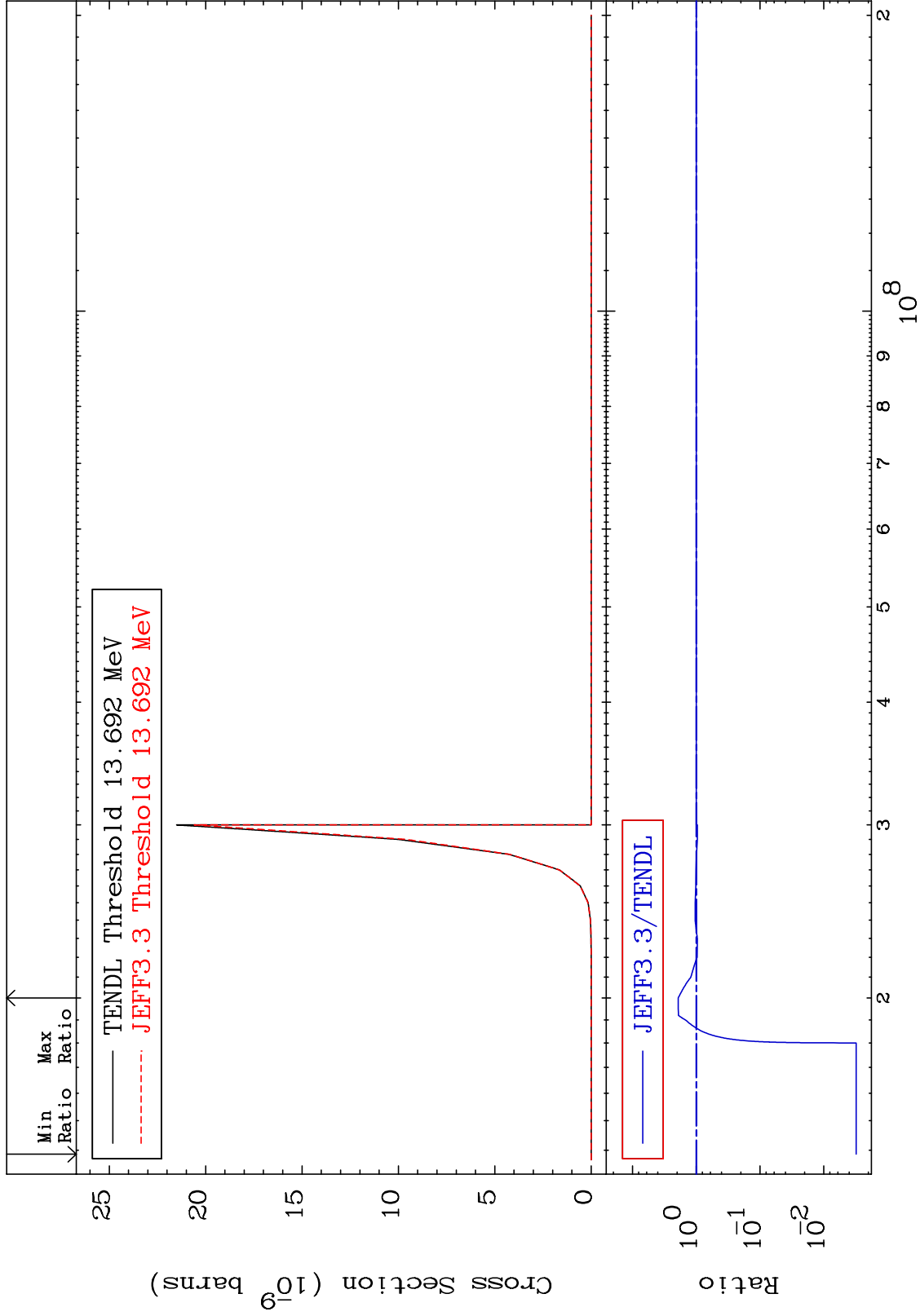
MAT 5446

(n,p) t

54-Xe-131

Cross Section

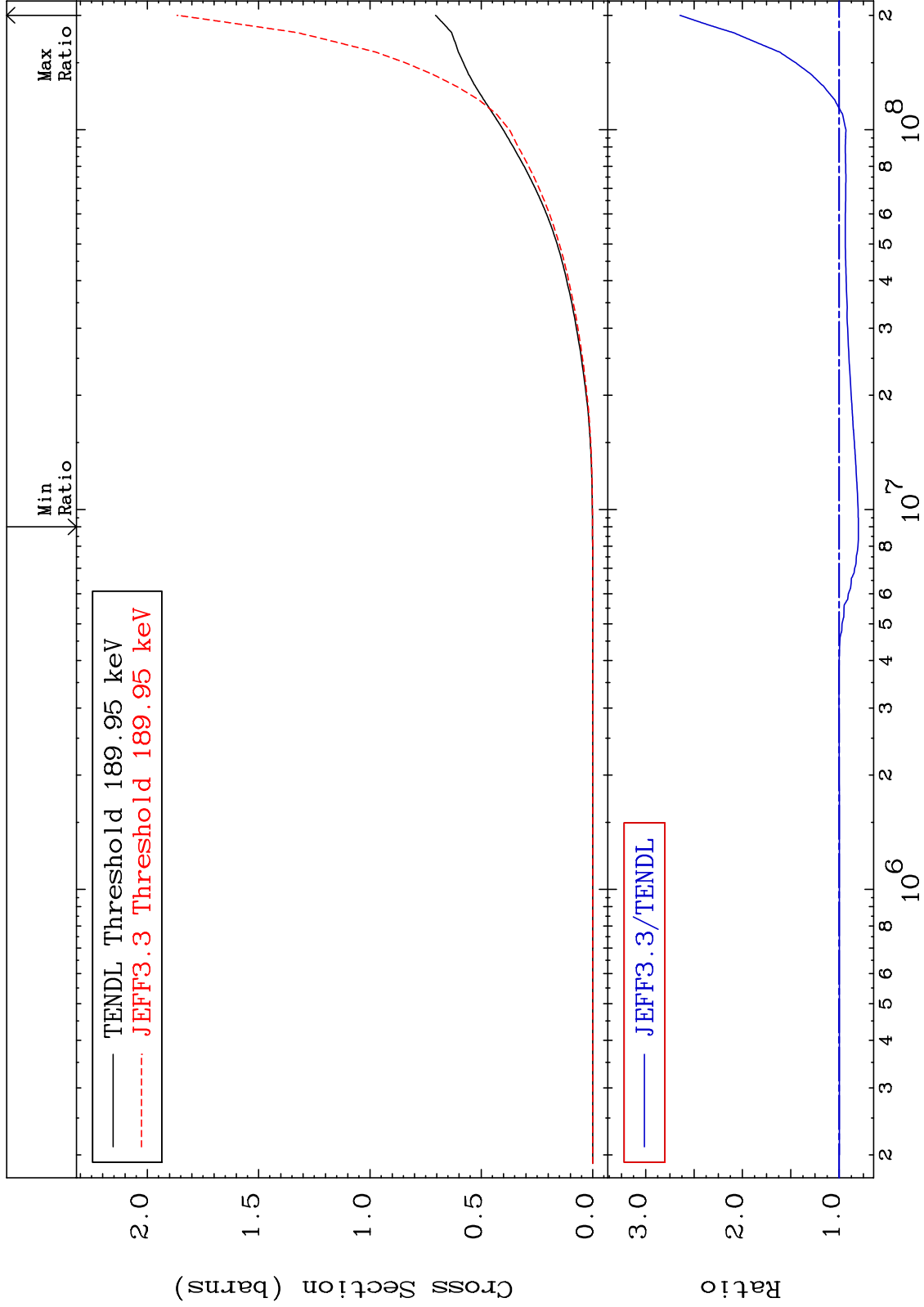
-99.69 To 91.25 %



MAT 5446

Hydrogen Production
Cross Section

54-Xe-131
-19.85 To 164.5 %



60

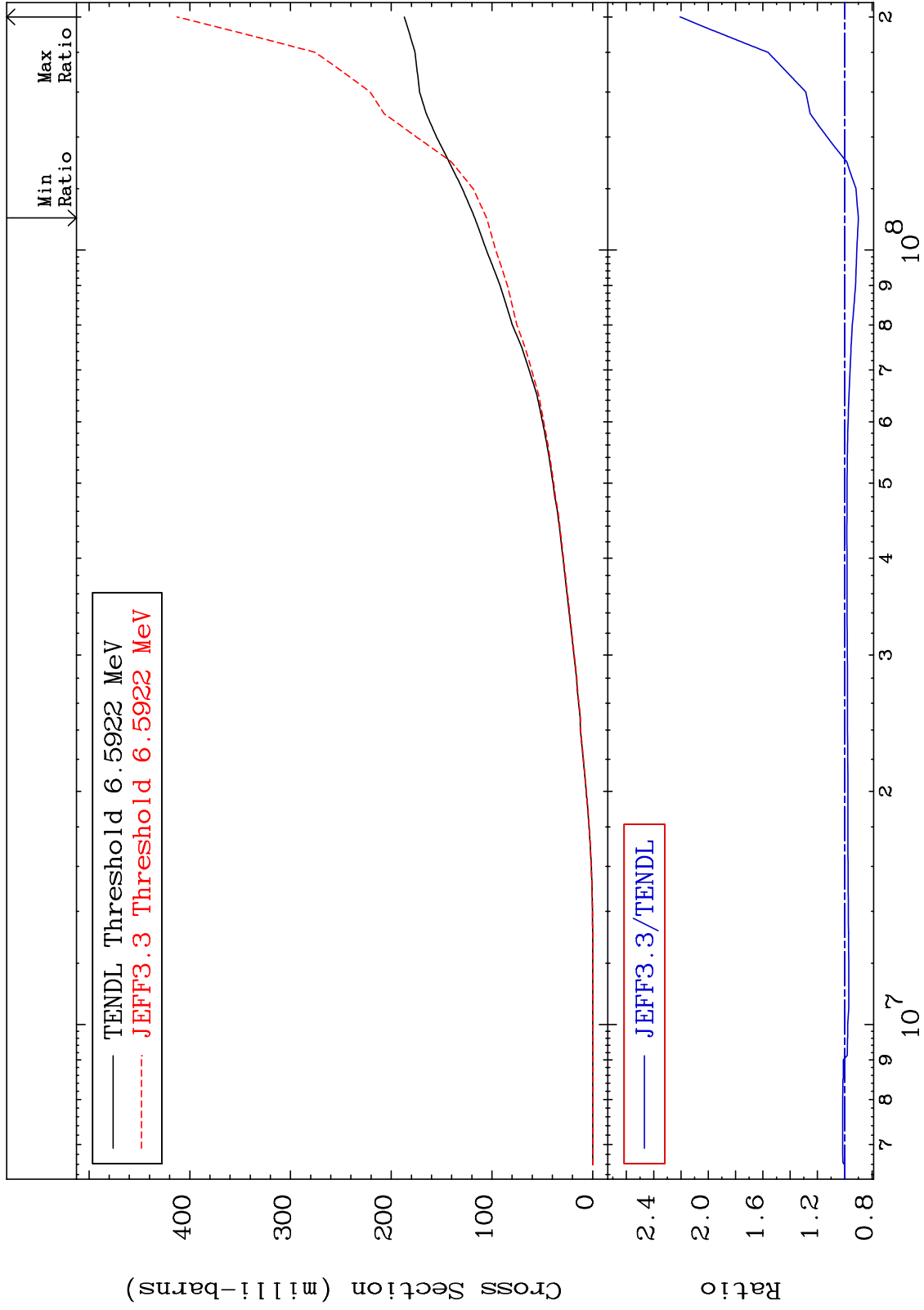
Incident Energy (eV)

54-Xe-131

MAT 5446

Deuterium Production
Cross Section

54-Xe-131
-10.04 To 120.7 %



61

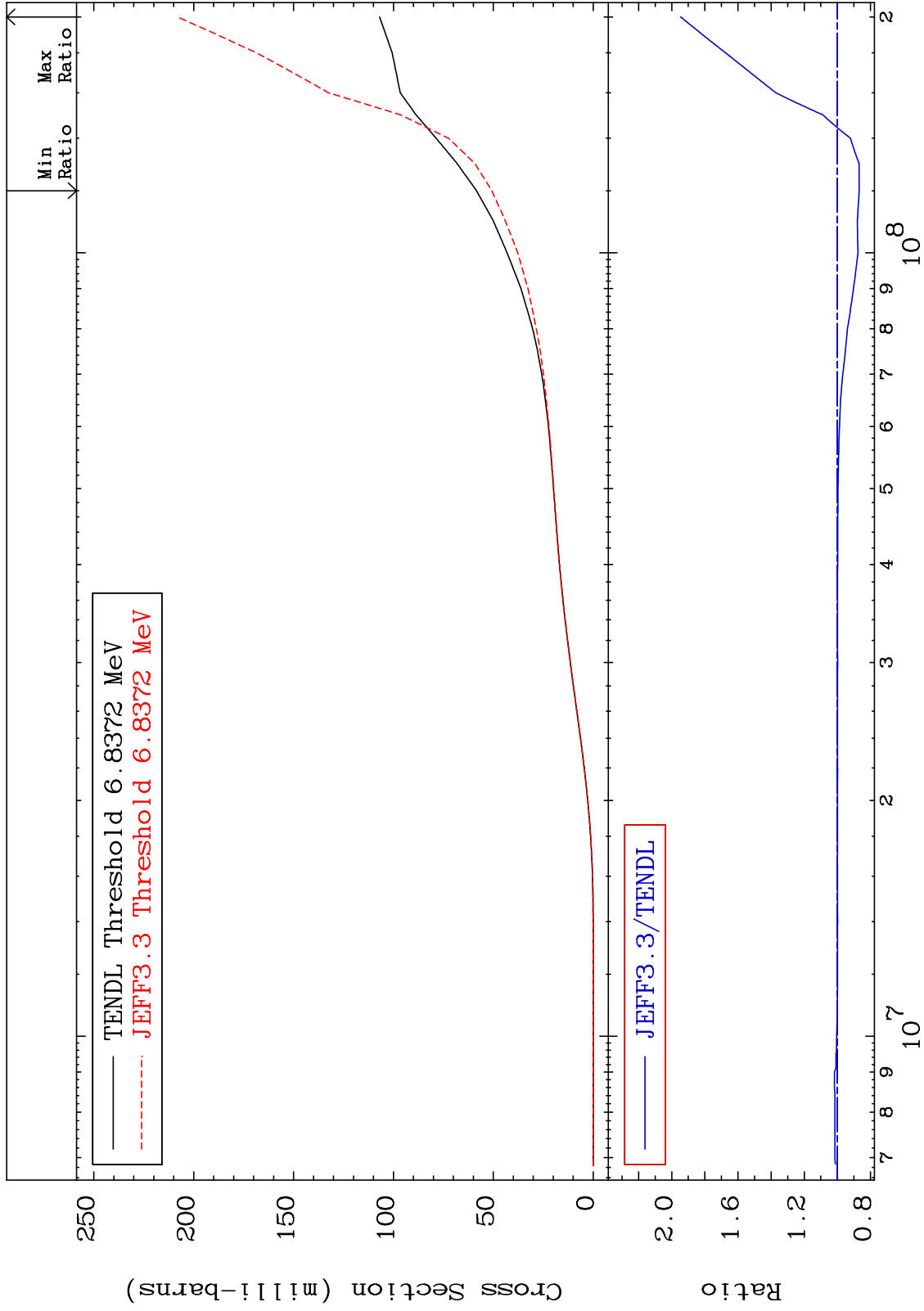
Incident Energy (eV)

54-Xe-131

MAT 5446

Tritium Production
Cross Section

54-Xe-131
-13.16 To 94.64 %



62

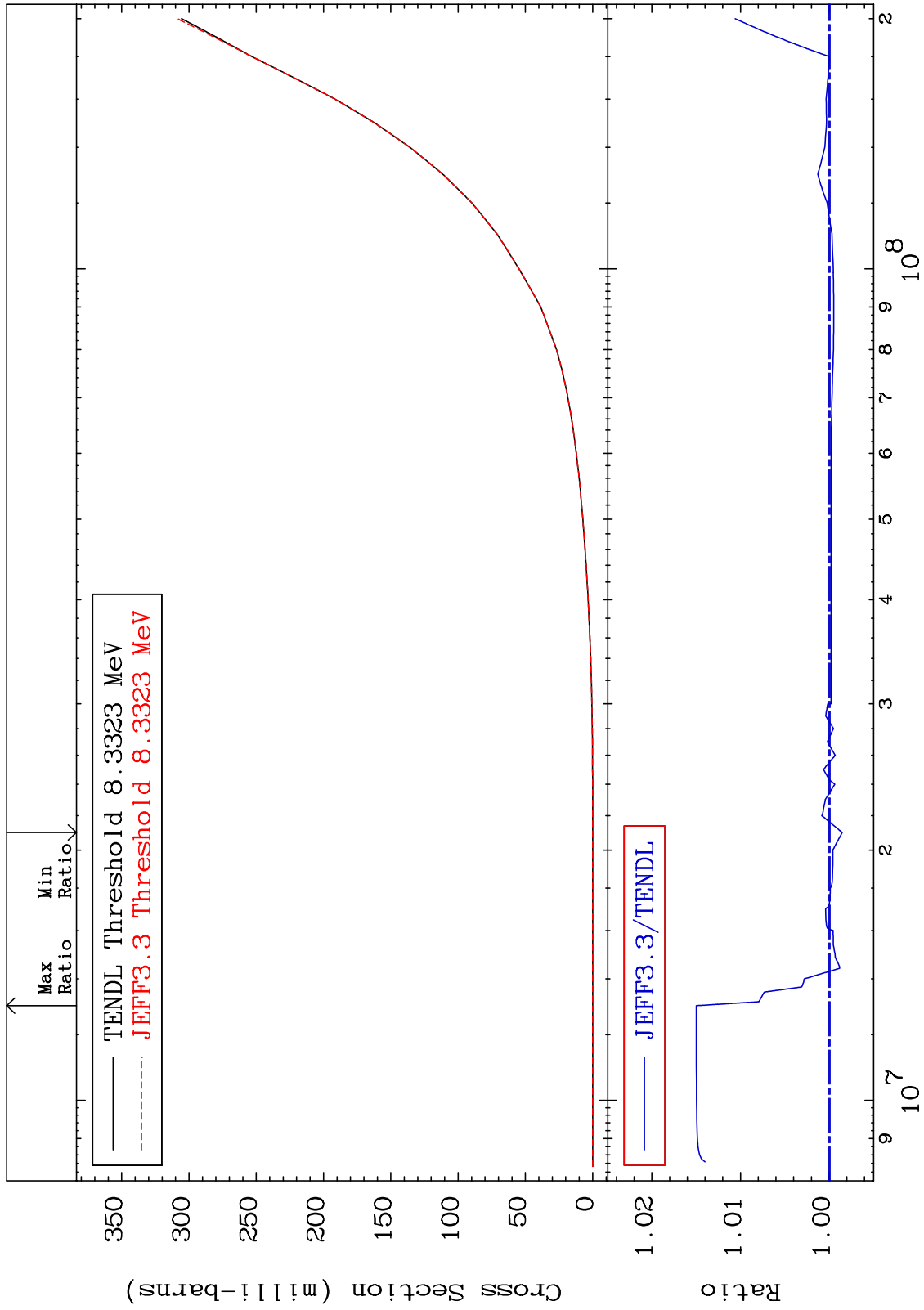
Incident Energy (eV)

54-Xe-131

MAT 5446

He-3 Production
Cross Section

54-Xe-131
-0.148 To 1.500 %



63

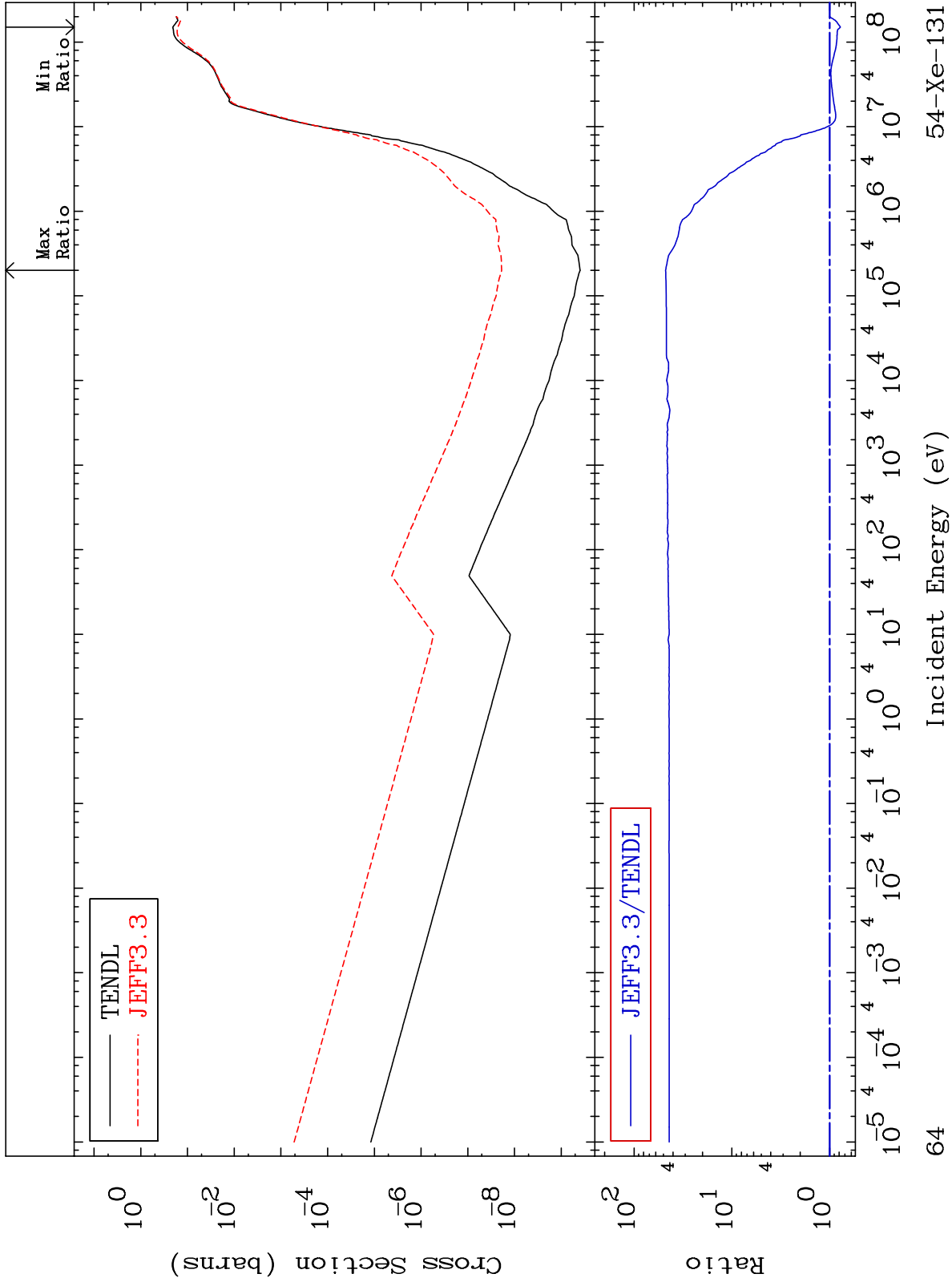
Incident Energy (eV)

54-Xe-131

MAT 5446

He-4 Production
Cross Section

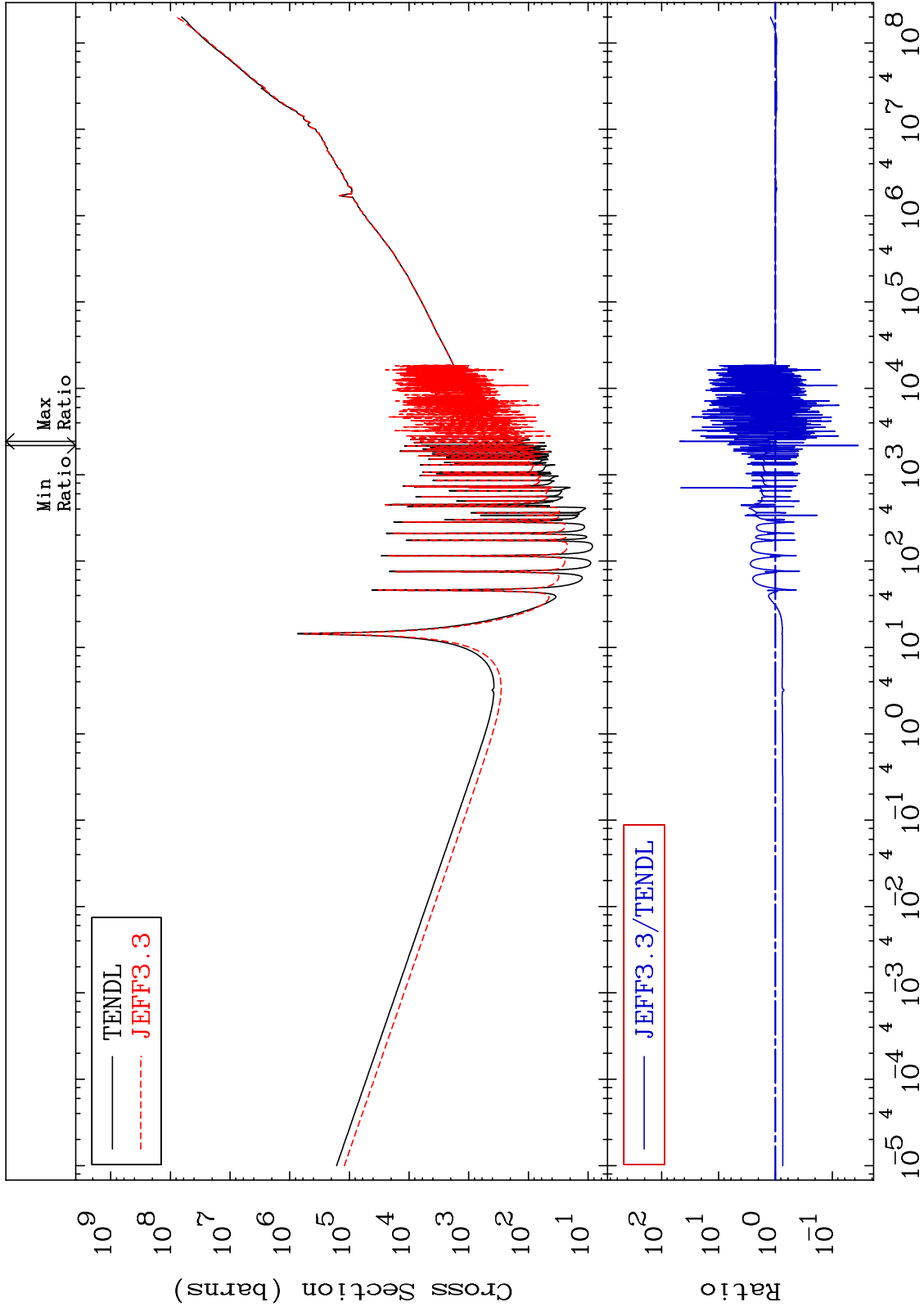
54-Xe-131
-22.34 To 4657. %



MAT 5446

Kerma total (eV-barns)
Cross Section

54-Xe-131
-96.53 To 4690. %



65

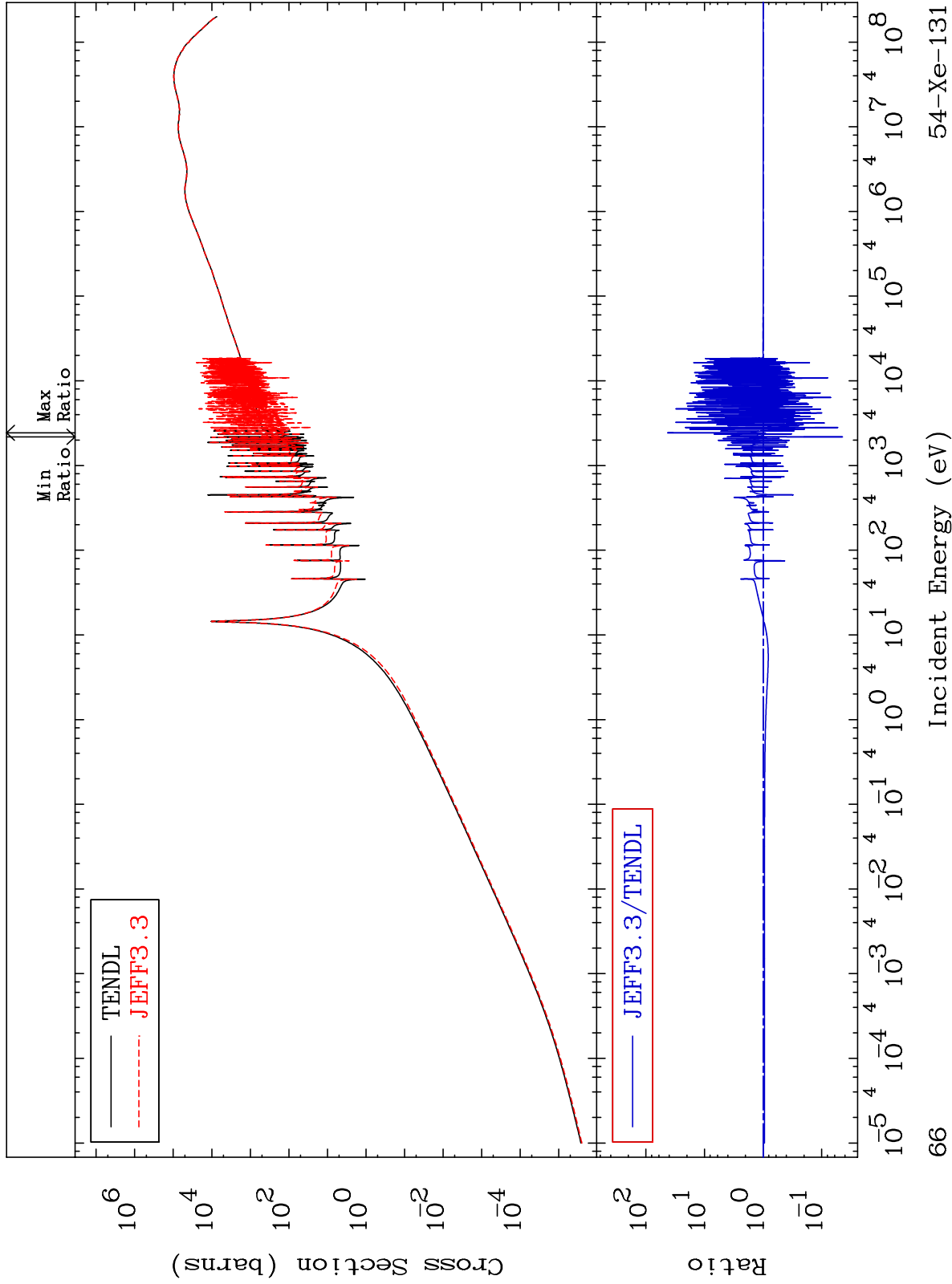
Incident Energy (eV)

54-Xe-131

MAT 5446

Kerma elastic
Cross Section

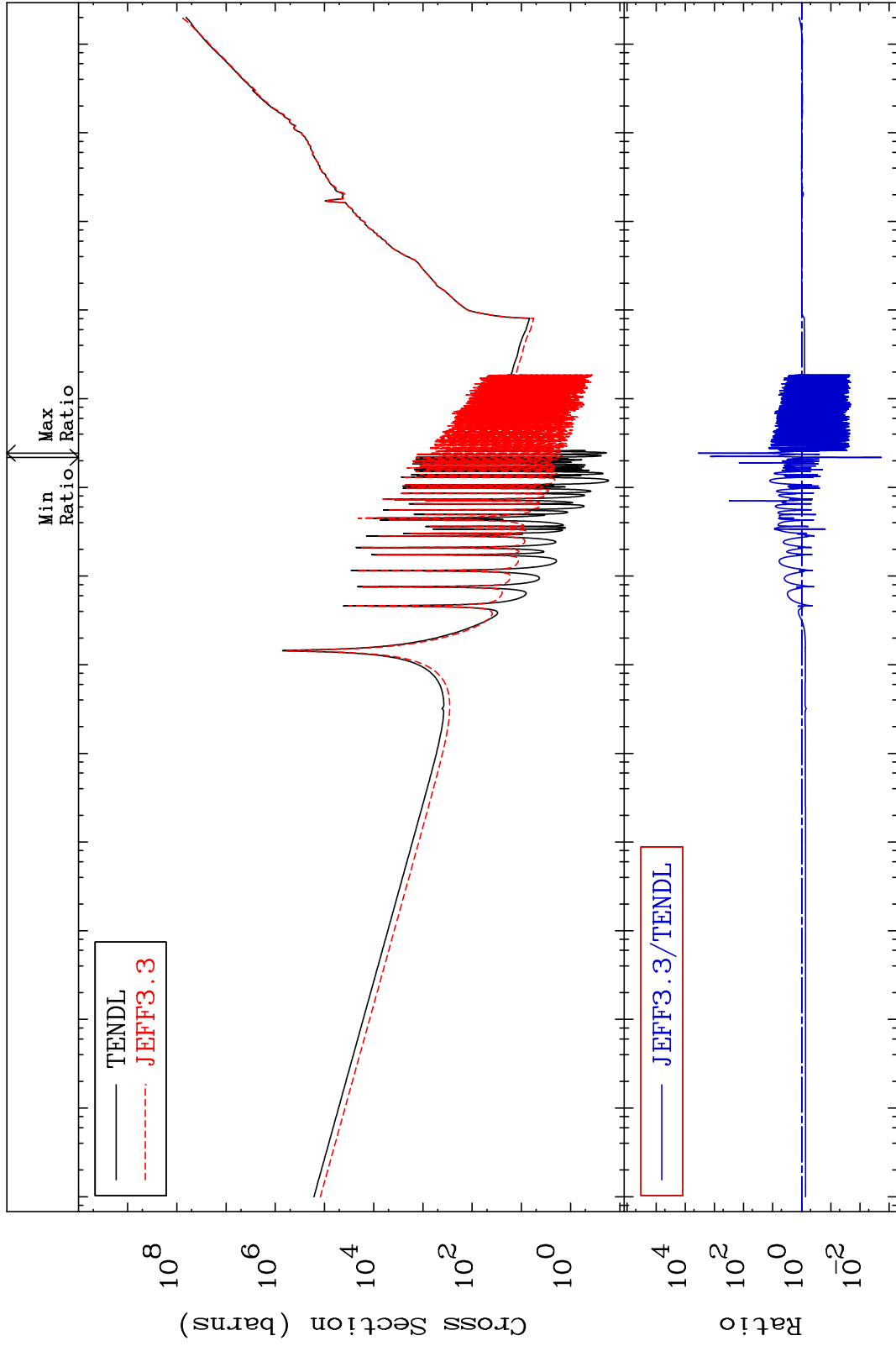
54-Xe-131
-95.62 To 4174. %



MAT 5446

Kerma non-elastic (all but mt2)
Cross Section

54-Xe-131
-99.82 To 9999. %



67

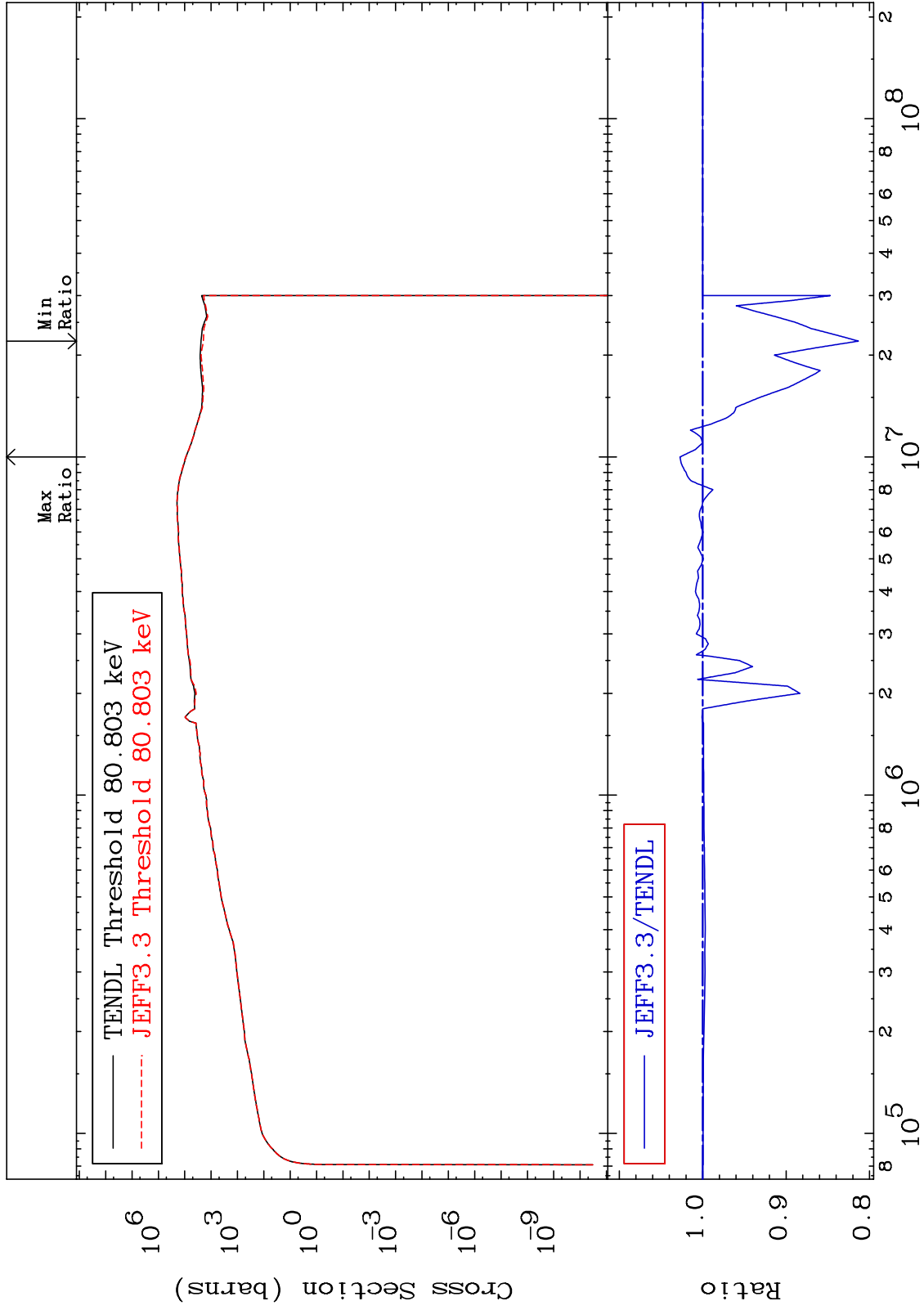
Incident Energy (eV)

54-Xe-131

MAT 5446

Kerma inelastic (mt51-91)
Cross Section

54-Xe-131
-18.66 To 2.723 %



68

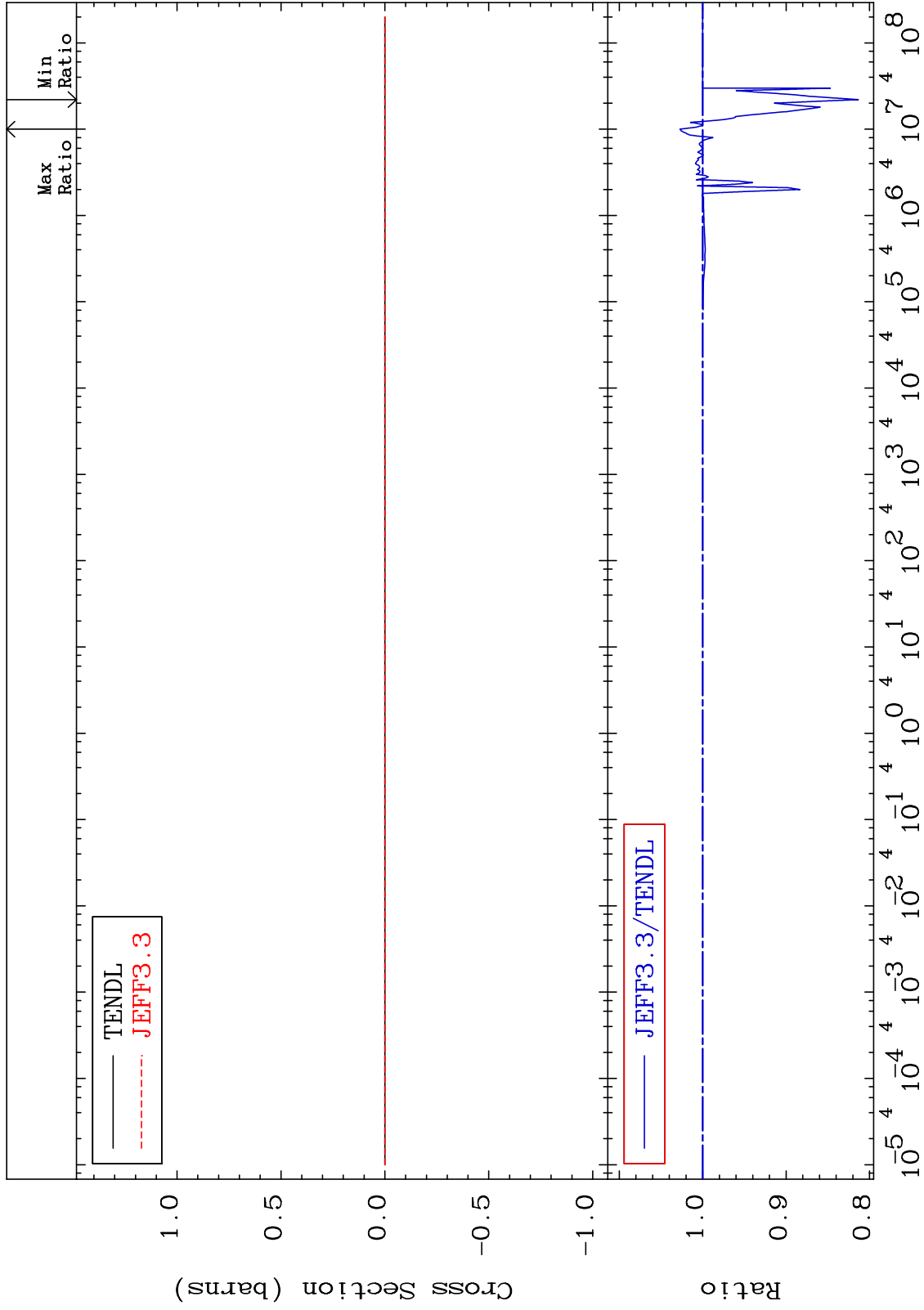
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-18.66 To 2.723 %



69

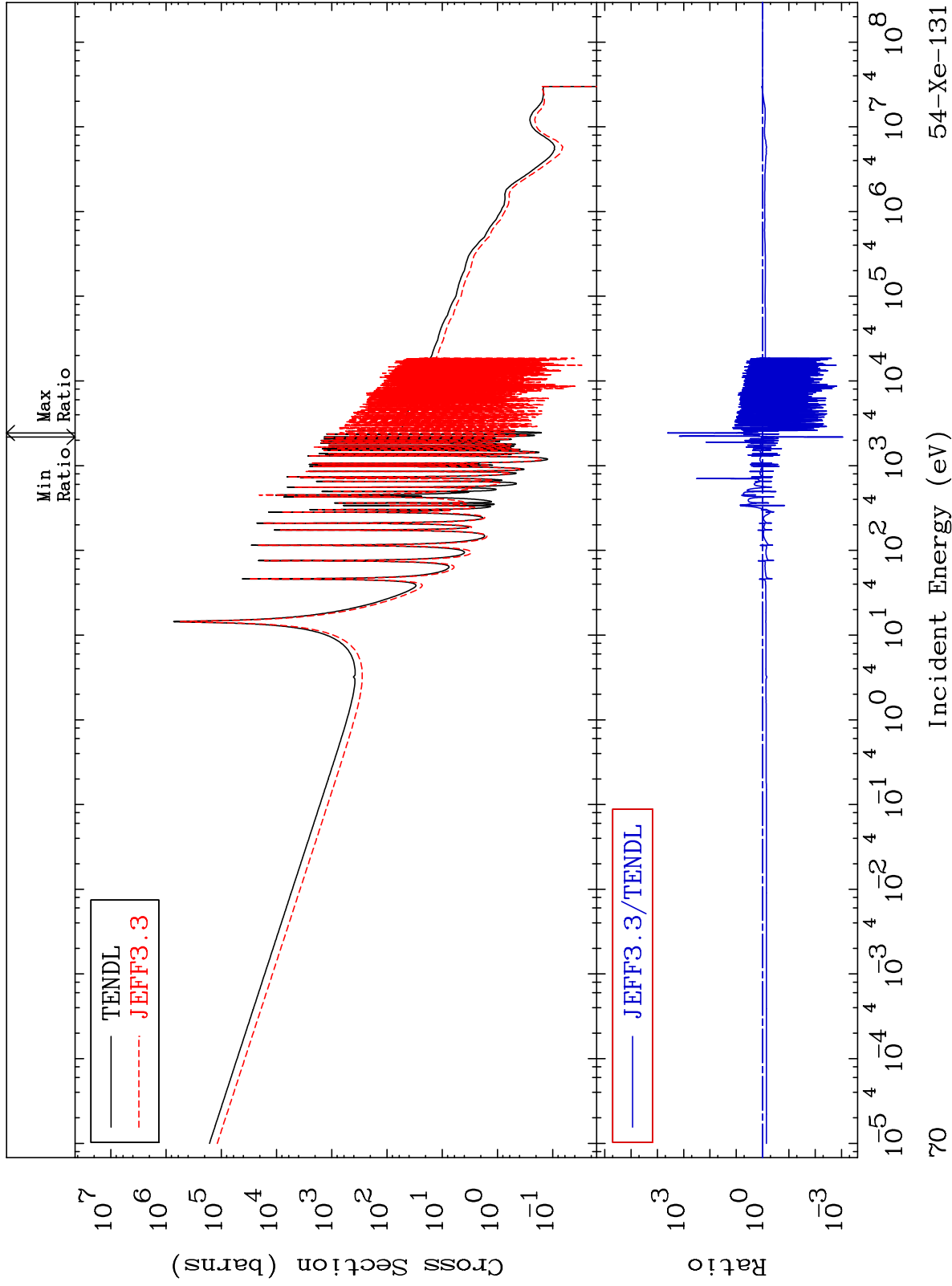
Incident Energy (eV)

54-Xe-131

MAT 5446

Kerma capture (mt102)
Cross Section

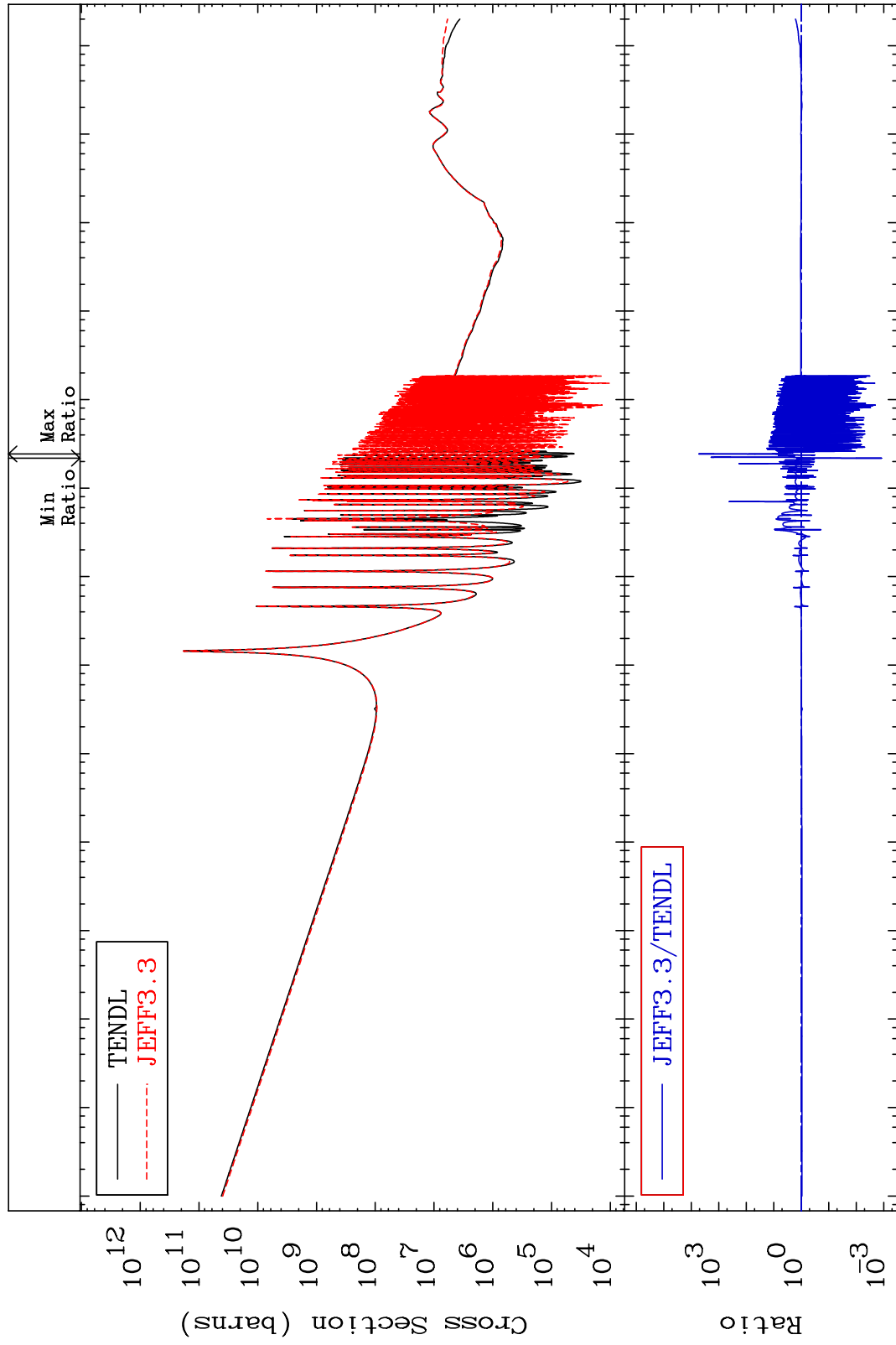
54-Xe-131
-99.91 To 9999. %



MAT 5446

Total photon (eV-barns)
Cross Section

54-Xe-131
-99.88 To 9999. %



71

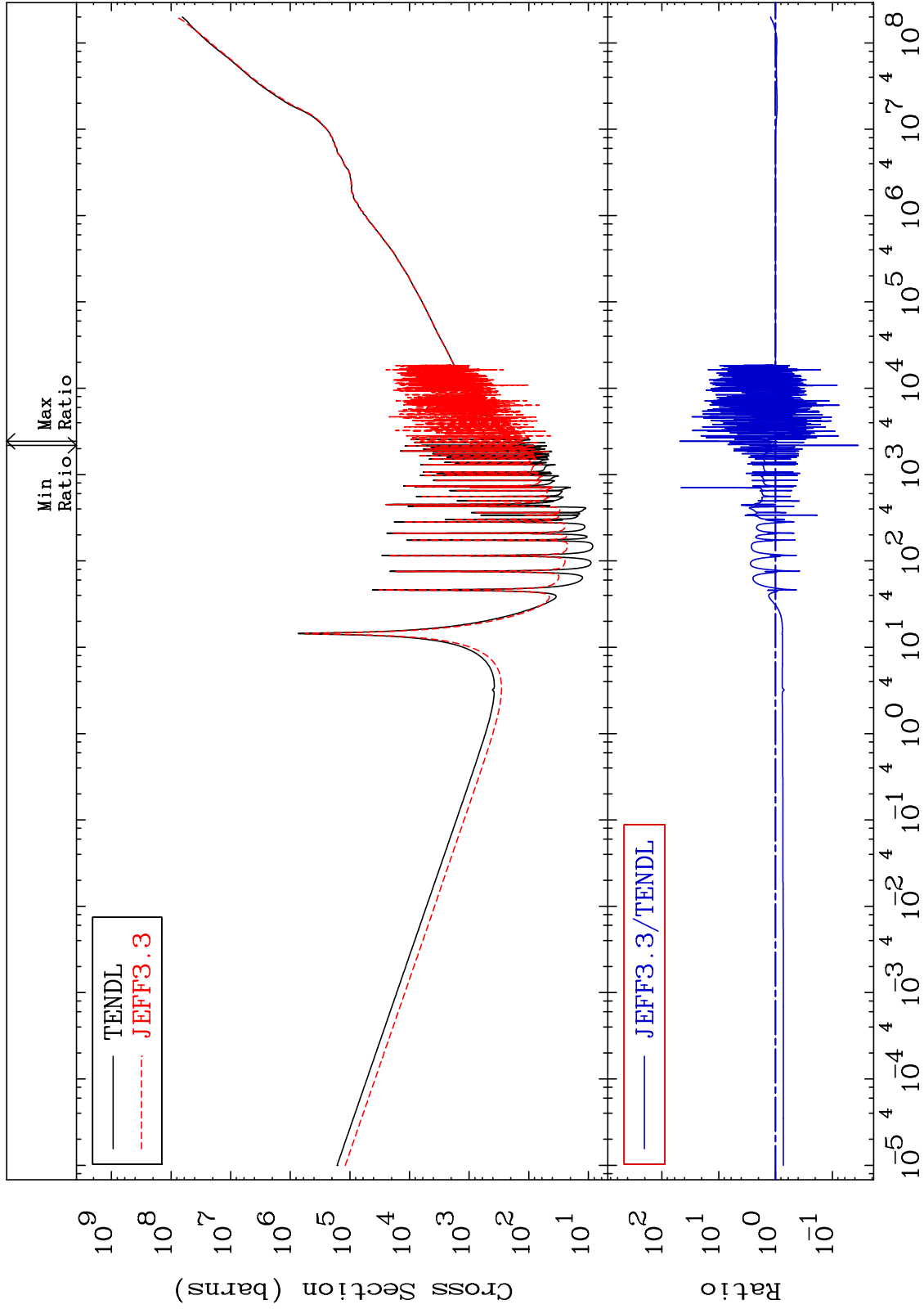
Incident Energy (eV)

54-Xe-131

MAT 5446

Total kinematic kerma (high limit)
Cross Section

54-Xe-131
-96.53 To 4690. %



72

Incident Energy (eV)

54-Xe-131

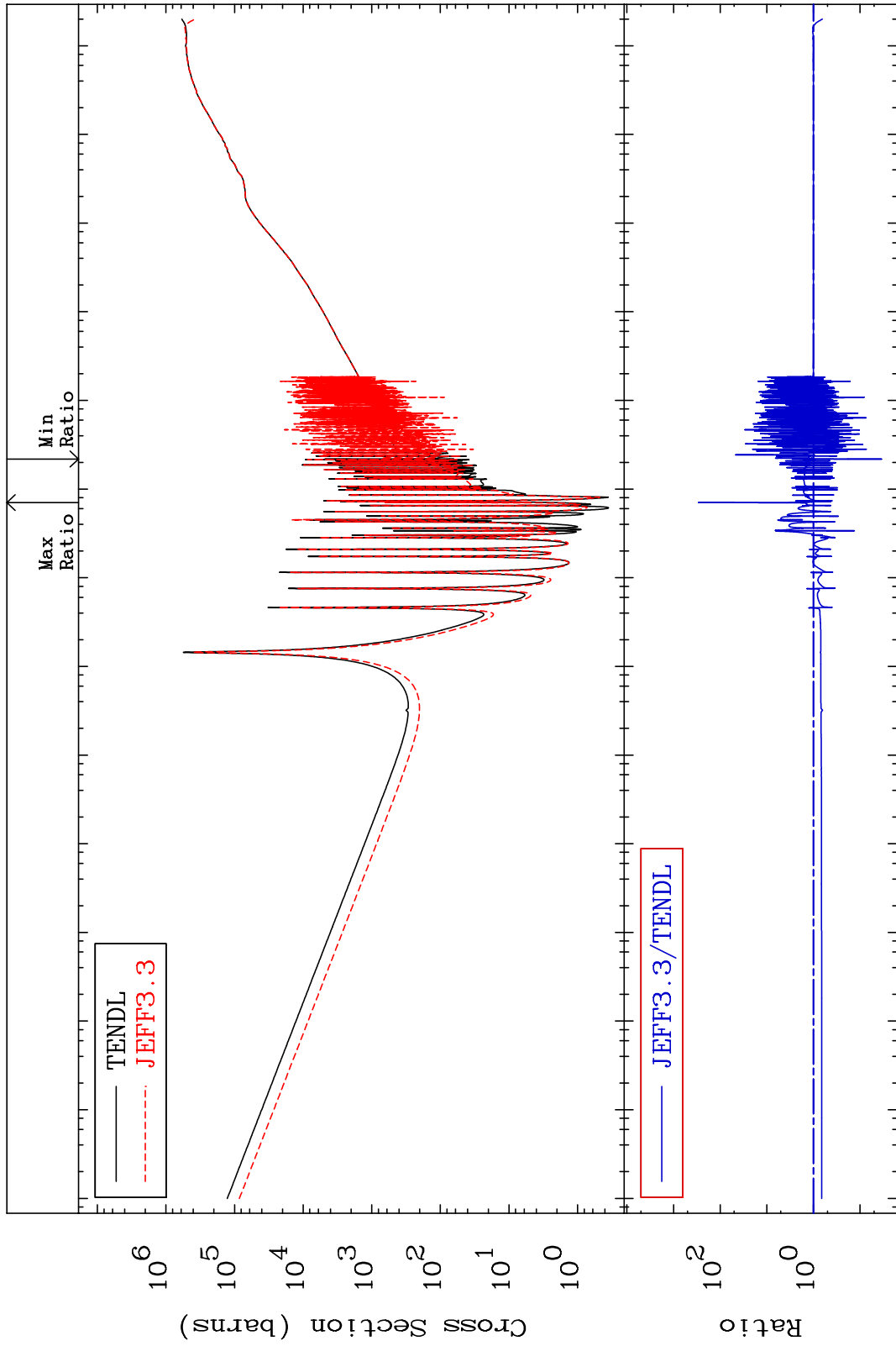
MAT 5446

Dpa total (eV-barns)

54-Xe-131

-96.55 To 9999. %

Cross Section



73

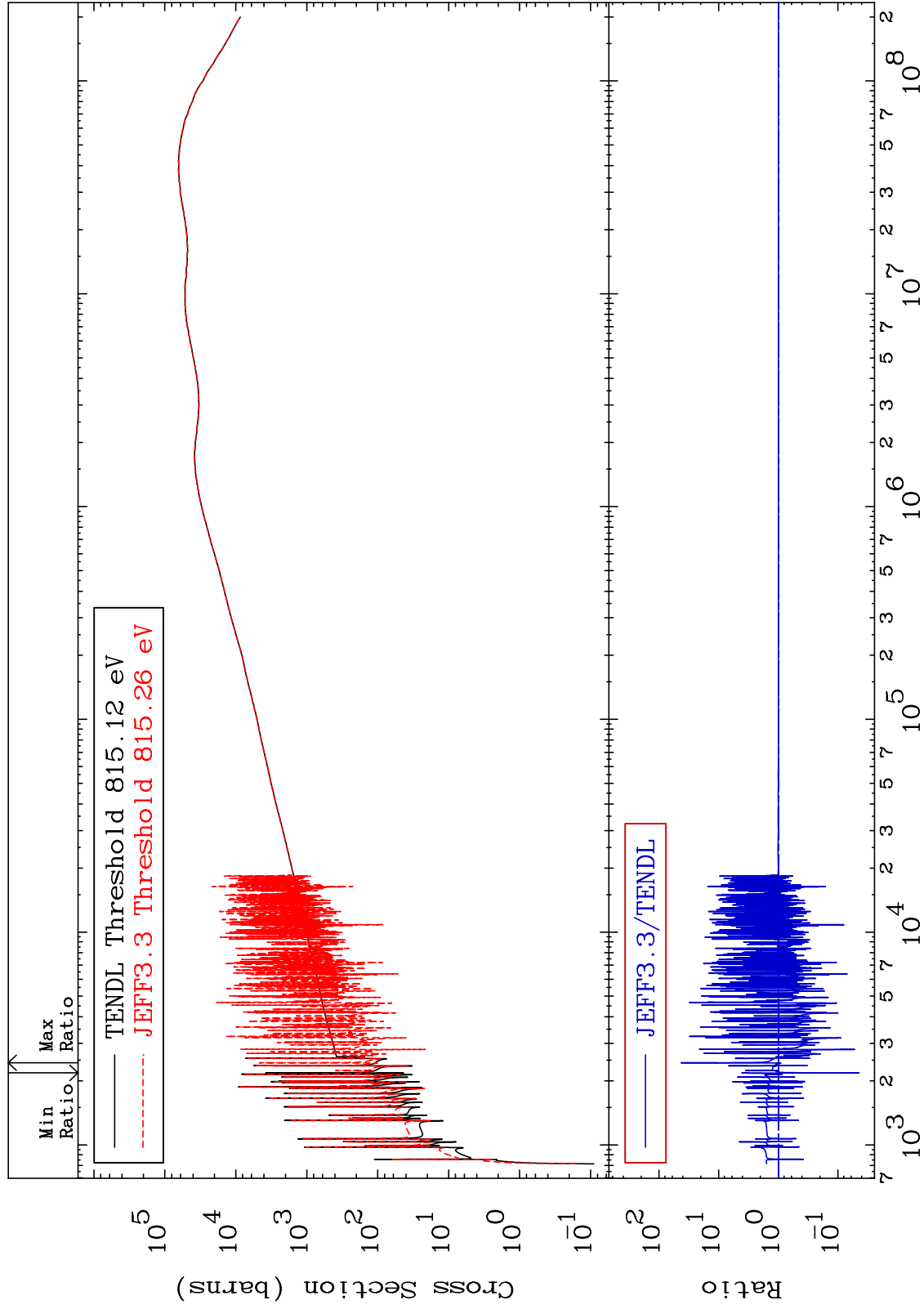
Incident Energy (eV)

54-Xe-131

MAT 5446

Dpa elastic (mt2)
Cross Section

54-Xe-131
-95.62 To 4174. %



74

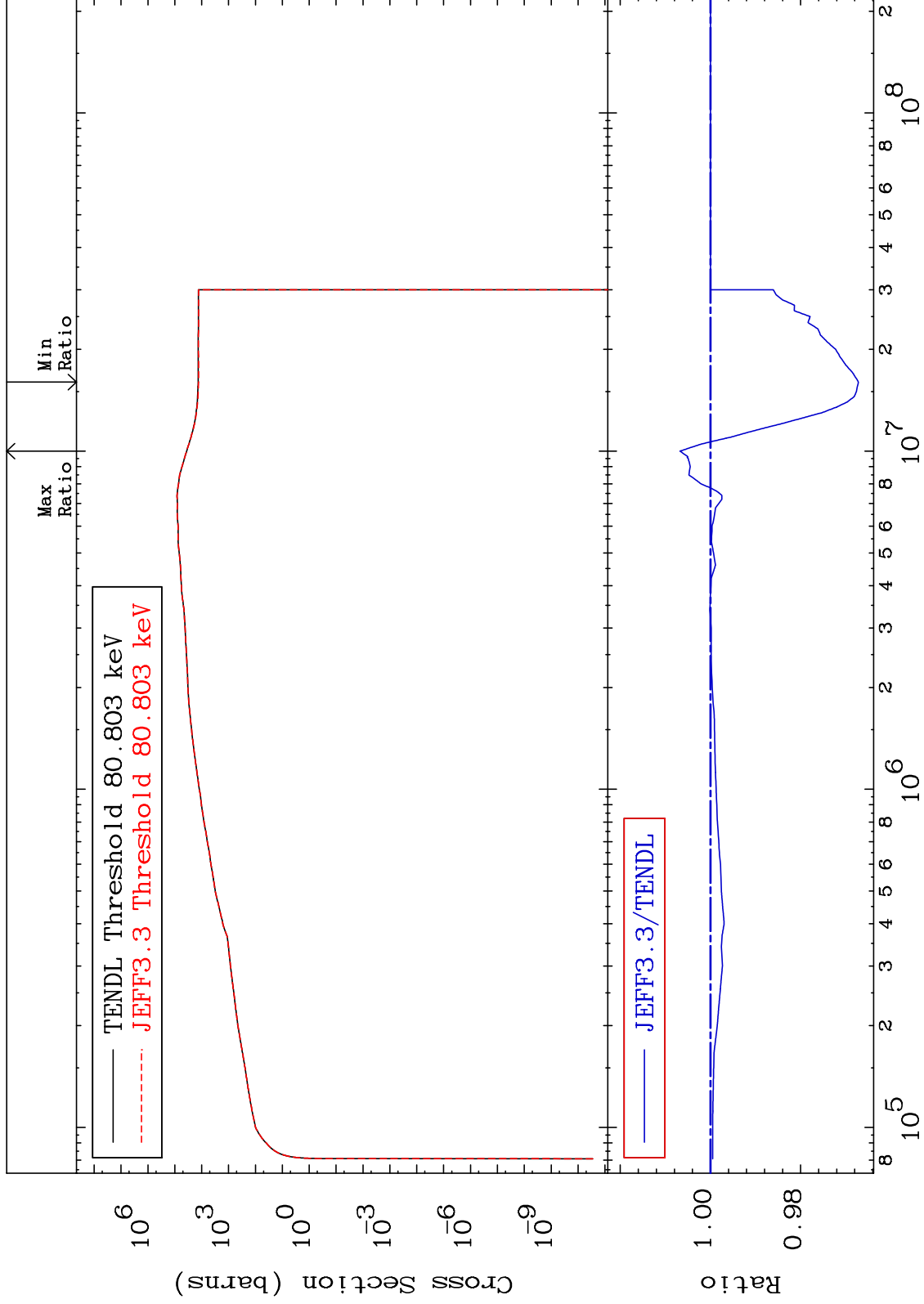
Incident Energy (eV)

54-Xe-131

MAT 5446

Dpa inelastic (mt51-91)
Cross Section

54-Xe-131
-3.281 To 0.675 %



75

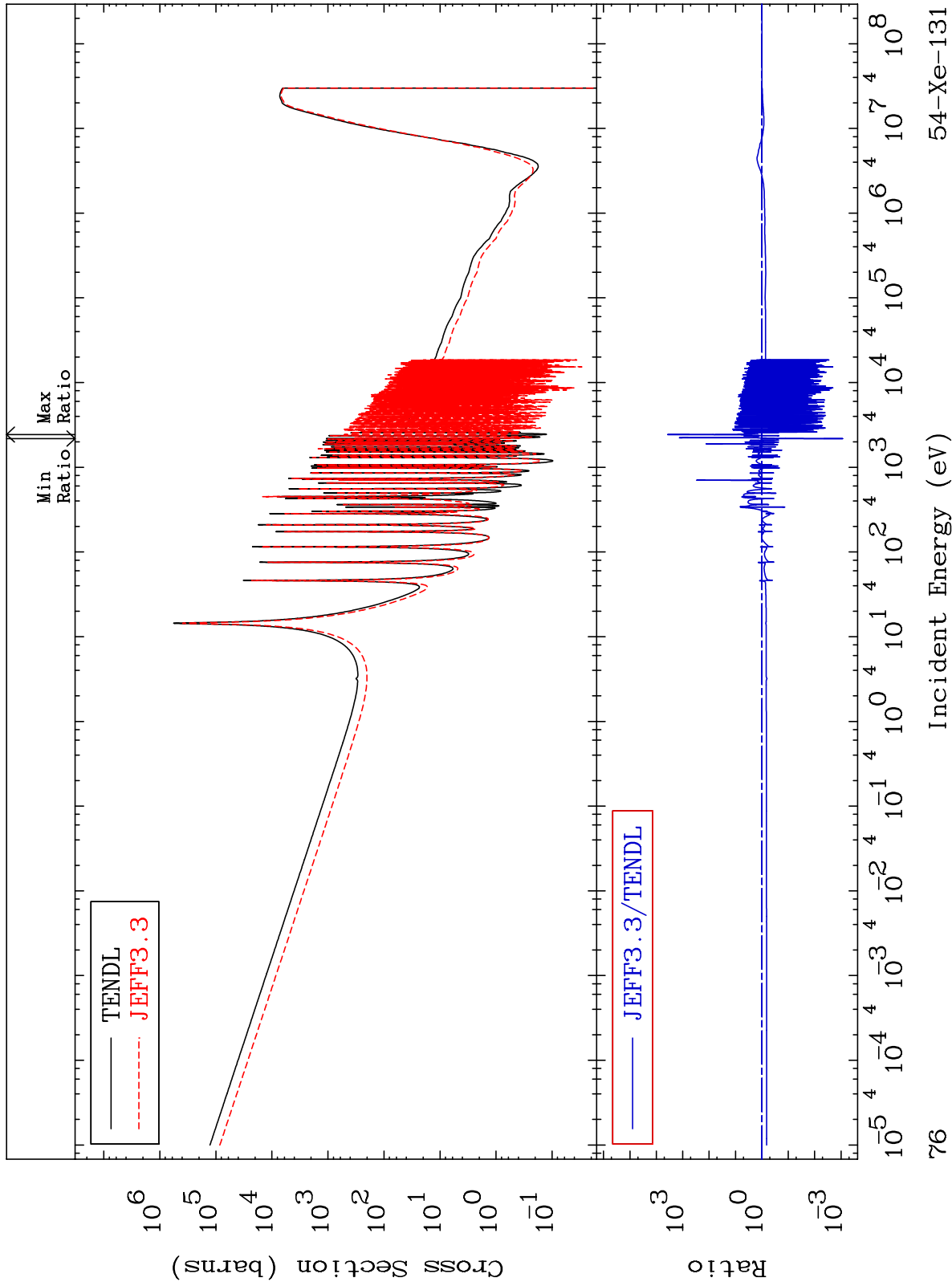
Incident Energy (eV)

54-Xe-131

MAT 5446

Dpa disappearance (mt102 -120)
Cross Section

54-Xe-131
-99.91 To 9999. %



76

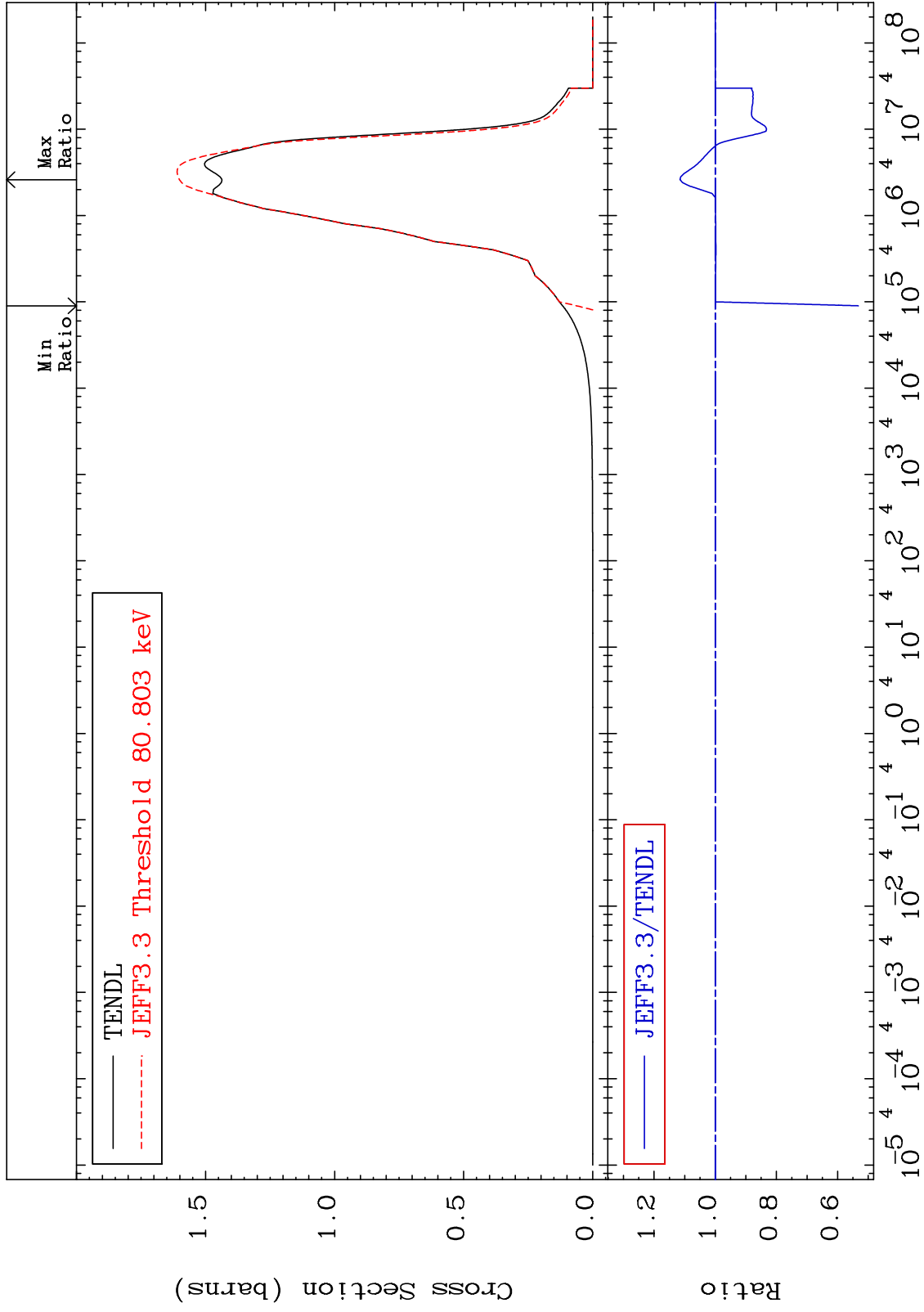
Incident Energy (eV)

54-Xe-131

MAT 5446

Inelastic:54-Xe-131
Radionuclide Production Cross Section -46.79 To 11.52 %

54-Xe-131



77

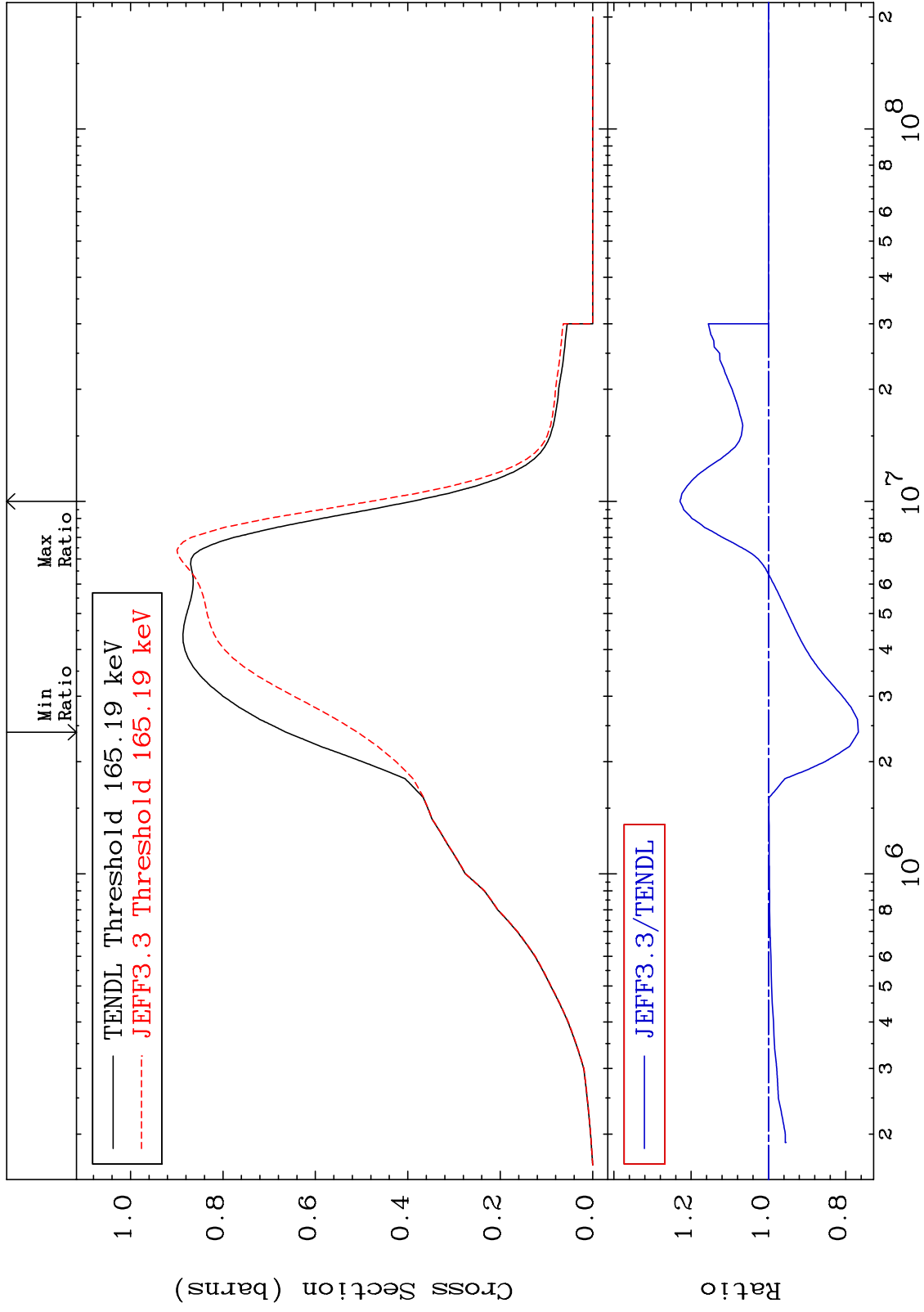
Incident Energy (eV)

54-Xe-131

MAT 5446

Inelastic:54-Xe-131m2
Radionuclide Production Cross Section -23.29 To 22.89 %

54-Xe-131



78

Incident Energy (eV)

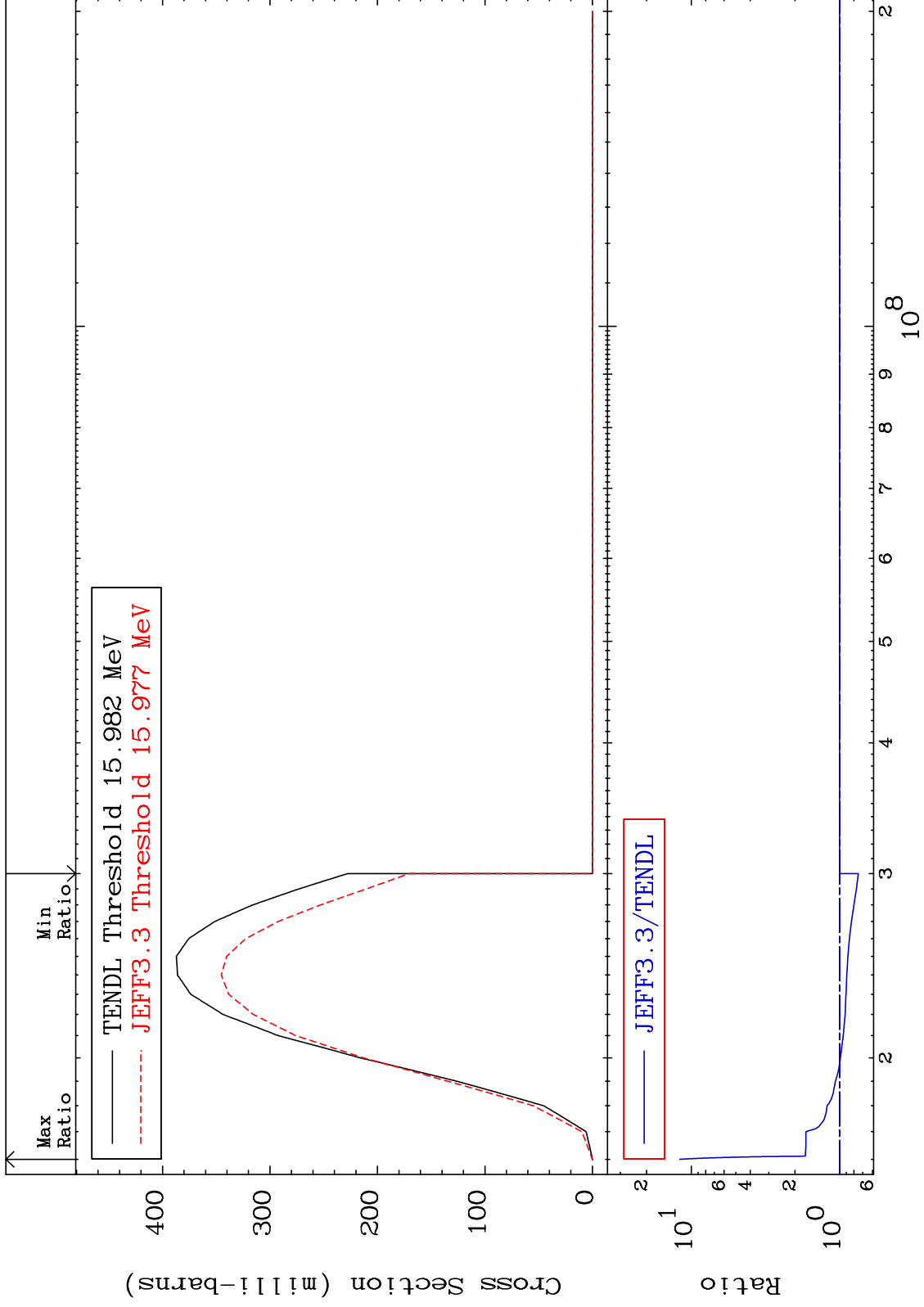
54-Xe-131

MAT 5446

(n,3n):54-Xe-129g

54-Xe-131

Radionuclide Production Cross Section -25.26 To 1094. %

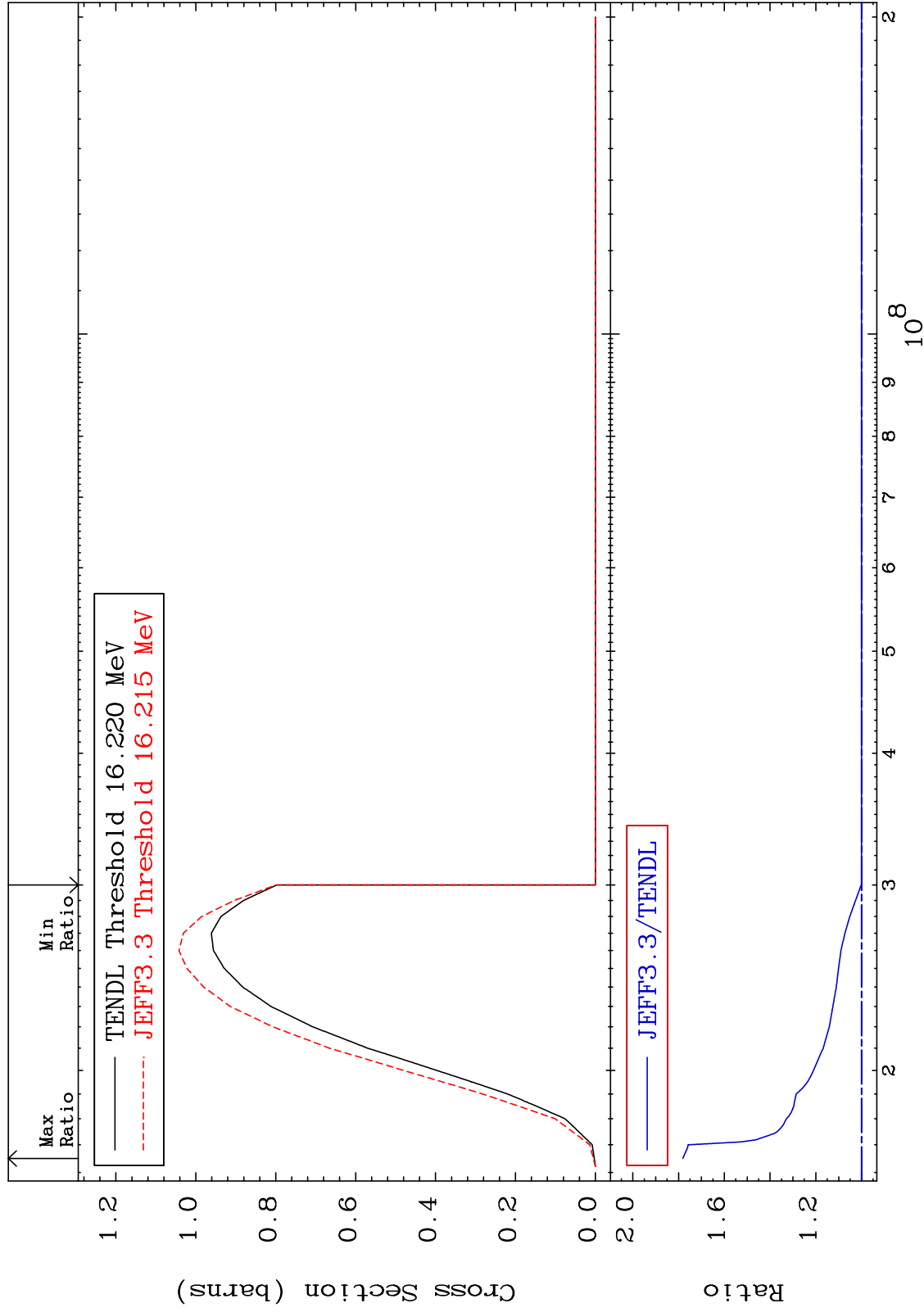


MAT 5446

(n,3n):54-Xe-129m2

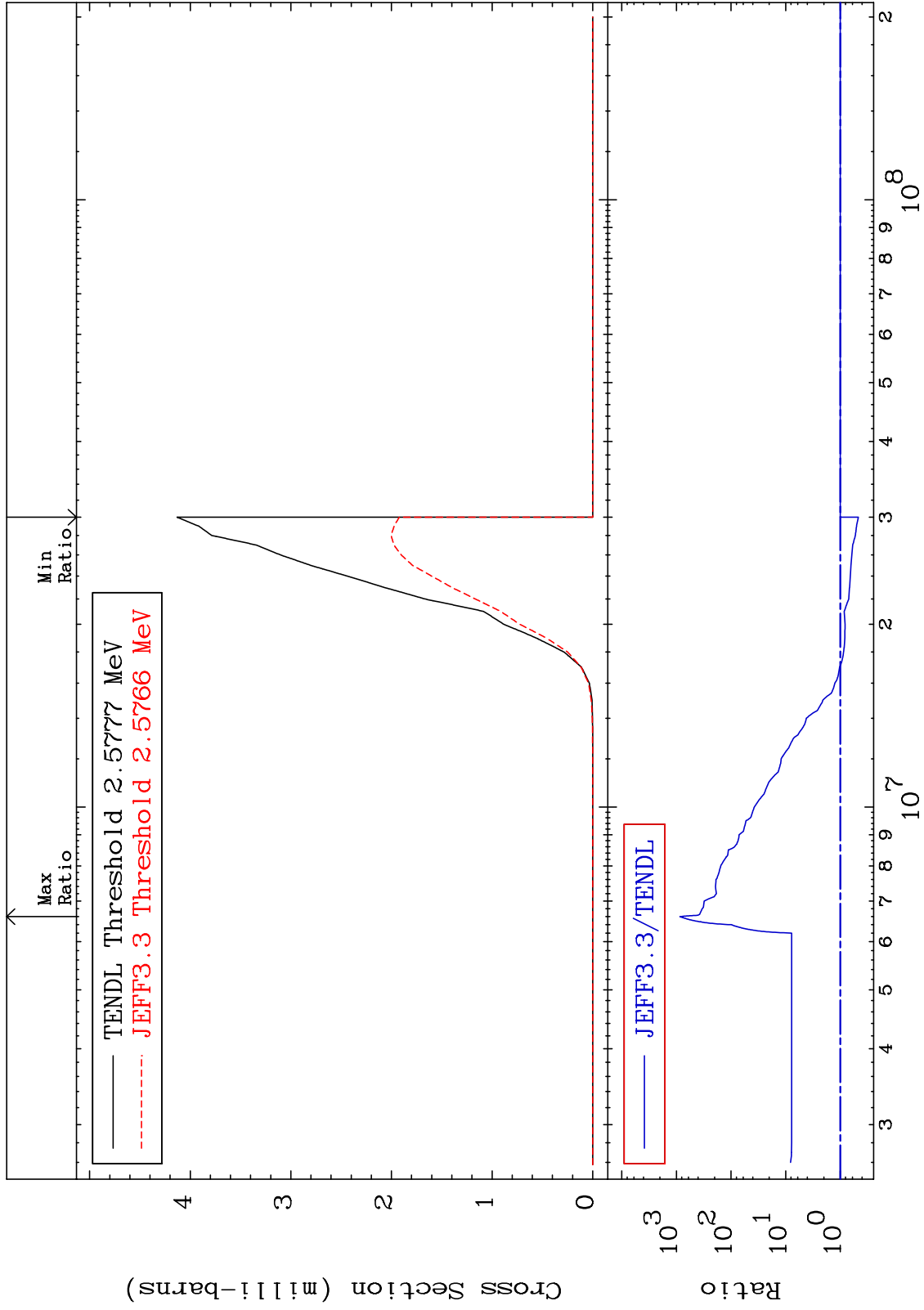
54-Xe-131

Radionuclide Production Cross Section 0.000 To 78.12 %



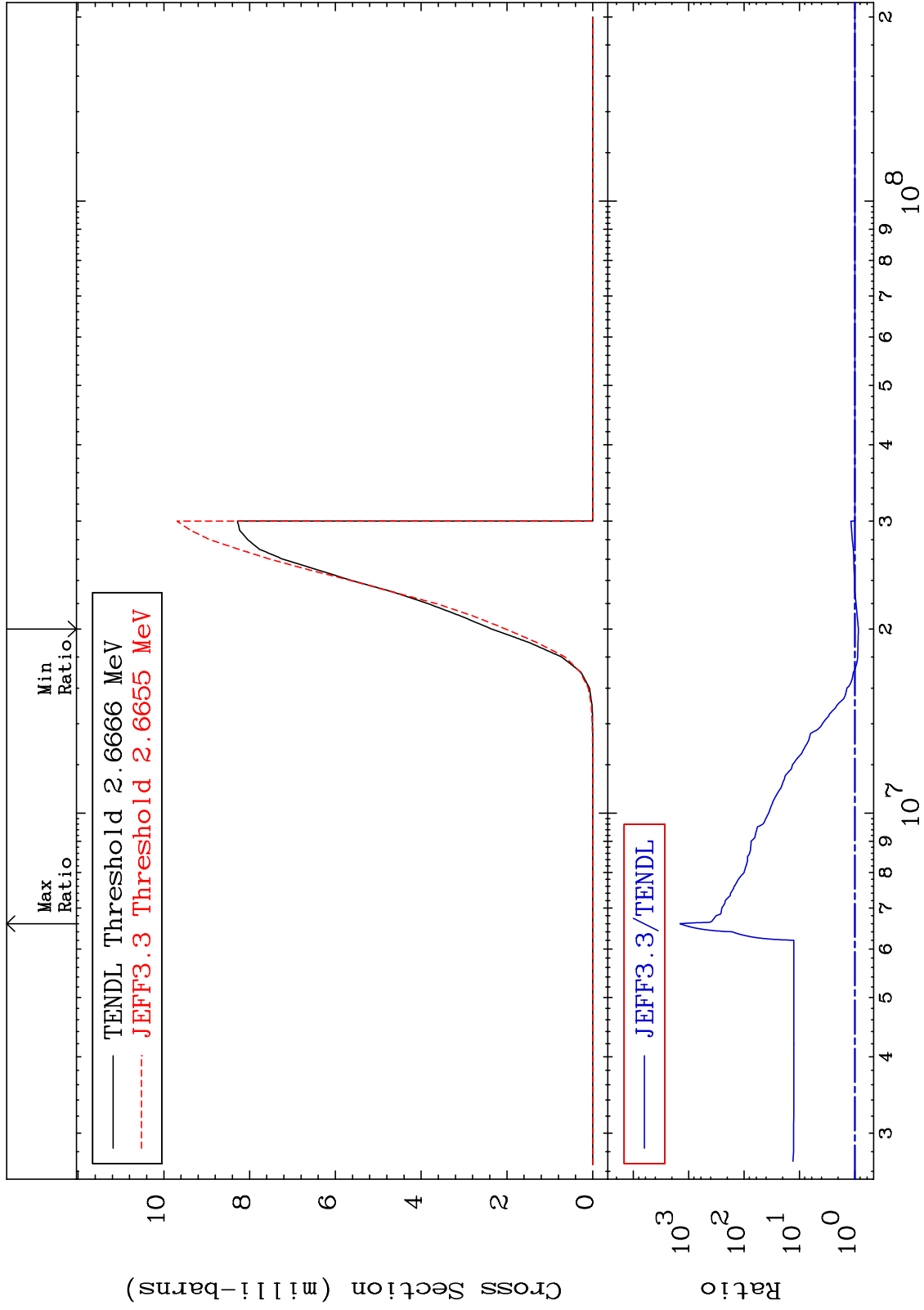
MAT 5446

(n, n') α :52-Te-127g 54-Xe-131
Radionuclide Production Cross Section -53.44 To 9999. %



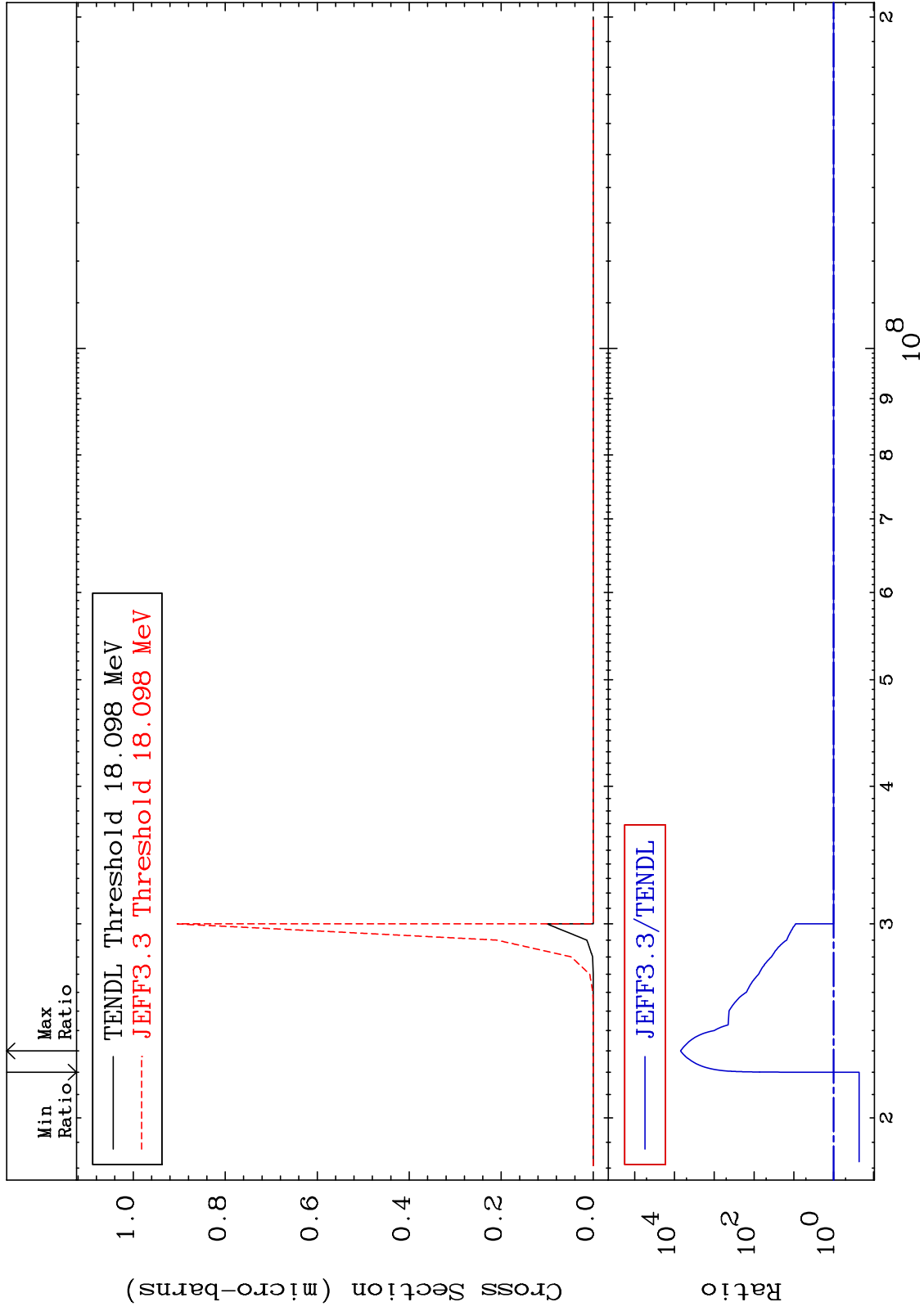
MAT 5446

(n, n') α :52-Te-127m2 54-Xe-131
Radionuclide Production Cross Section -13.96 To 9999. %



MAT 5446

(n,3n) α :52-Te-125g 54-Xe-131
Radionuclide Production Cross Section -77.10 To 9999. %

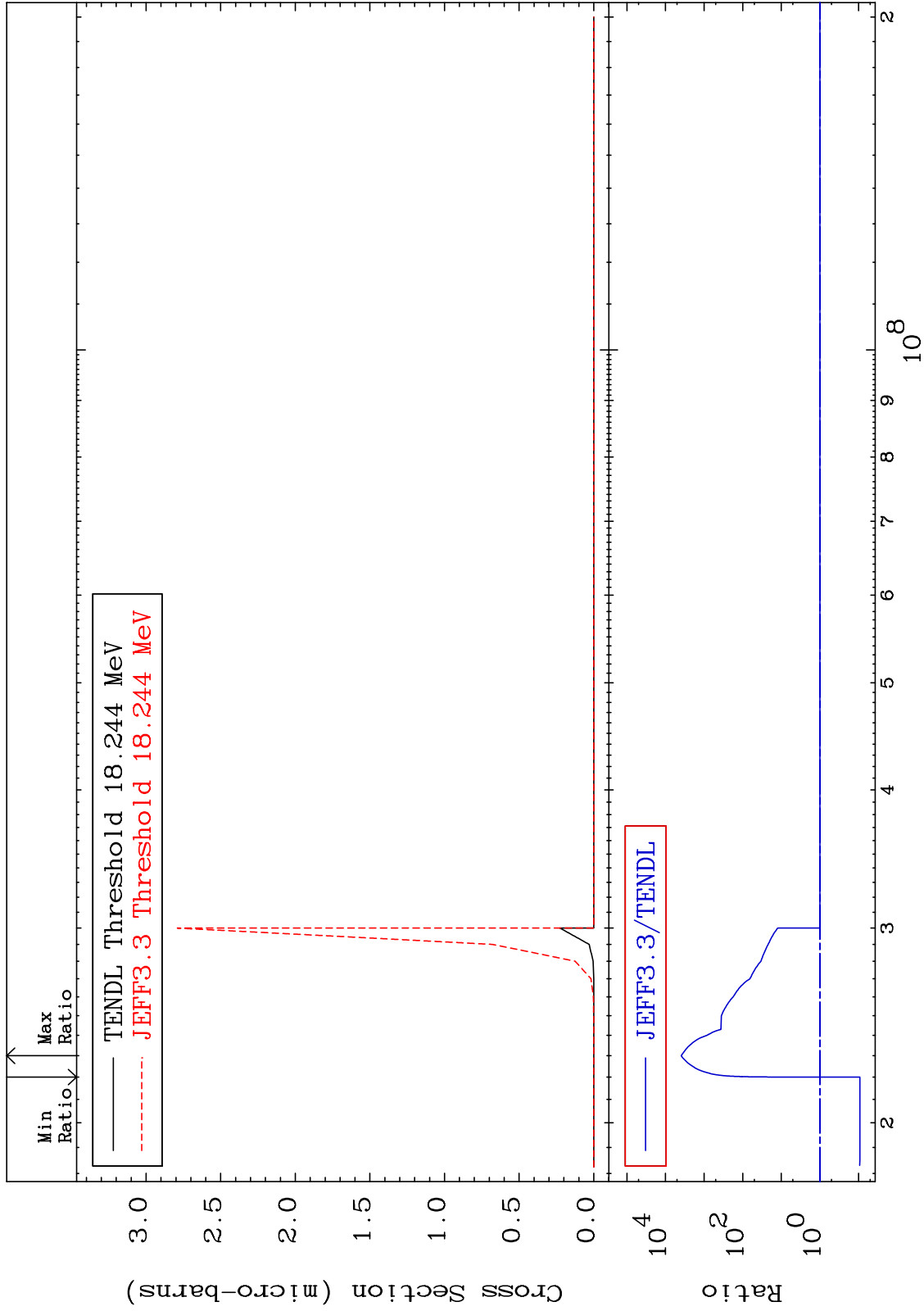


MAT 5446

(n,3n) α :52-Te-125m2

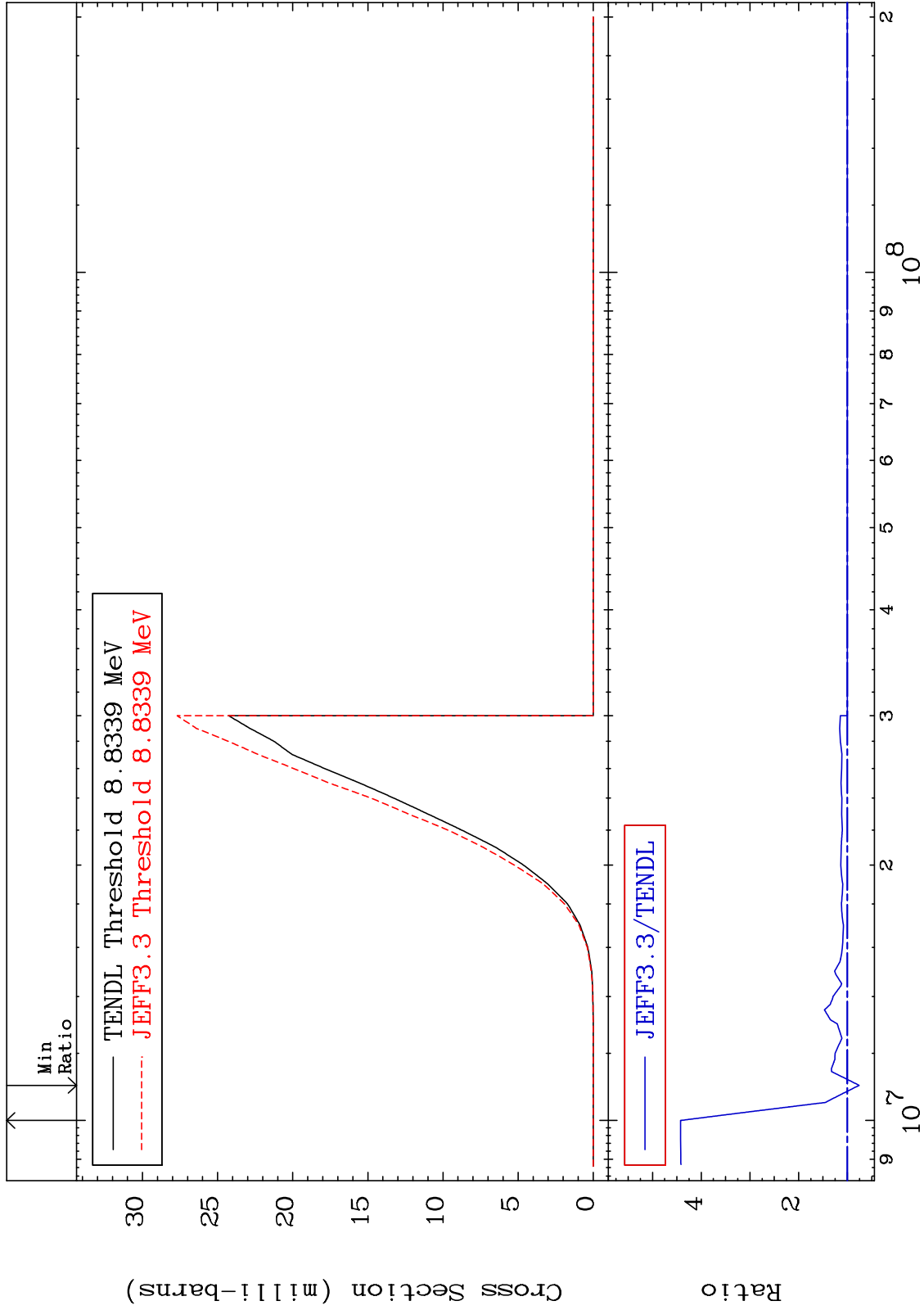
54-Xe-131

Radionuclide Production Cross Section -90.82 To 9999. %



MAT 5446

(n, n') p:53-I -130g 54-Xe-131
Radionuclide Production Cross Section -24.32 To 342.3 %



85

Incident Energy (eV)

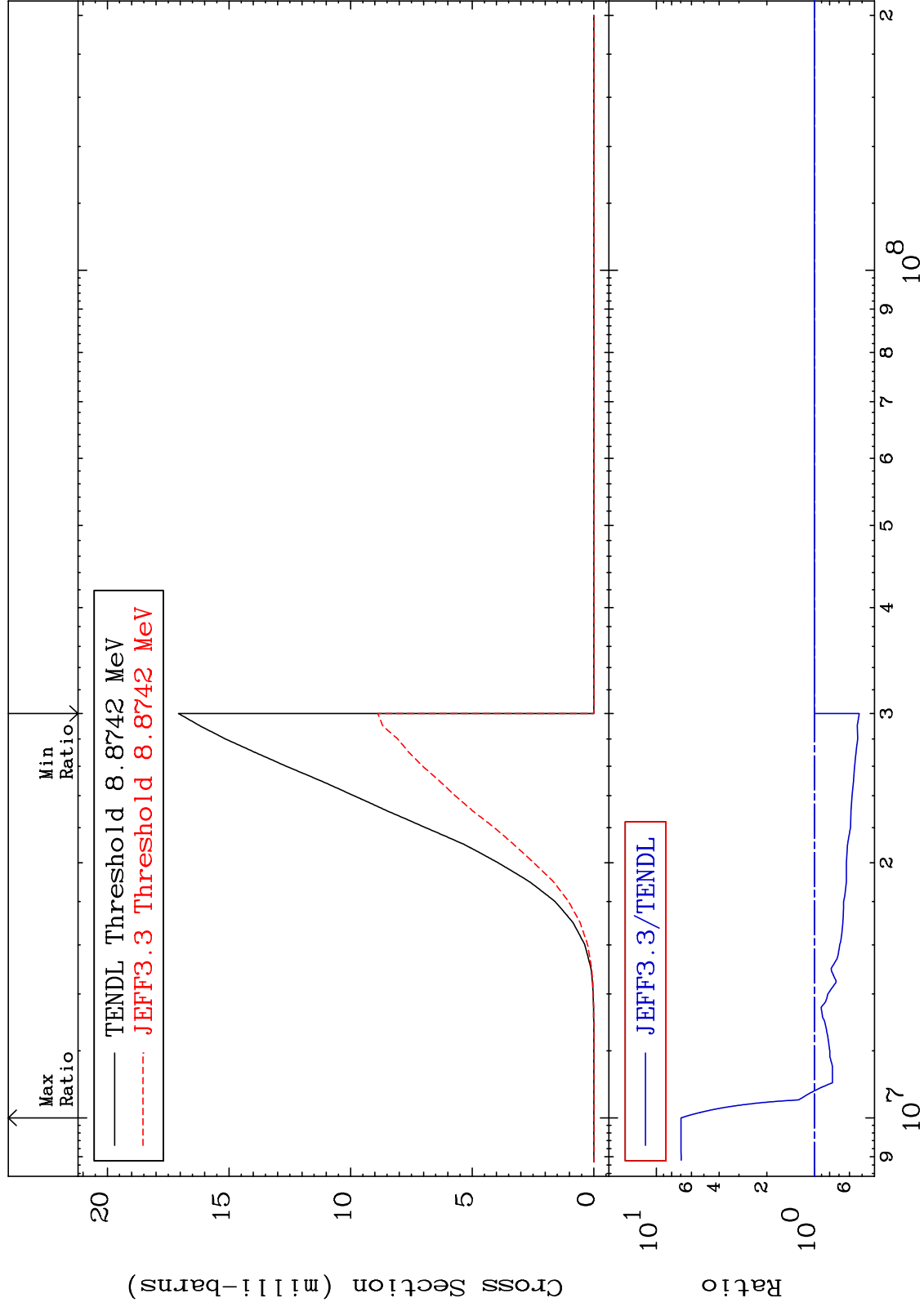
54-Xe-131

MAT 5446

(n, n') p:53-I -130m1

54-Xe-131

Radionuclide Production Cross Section -48.00 To 597.1 %

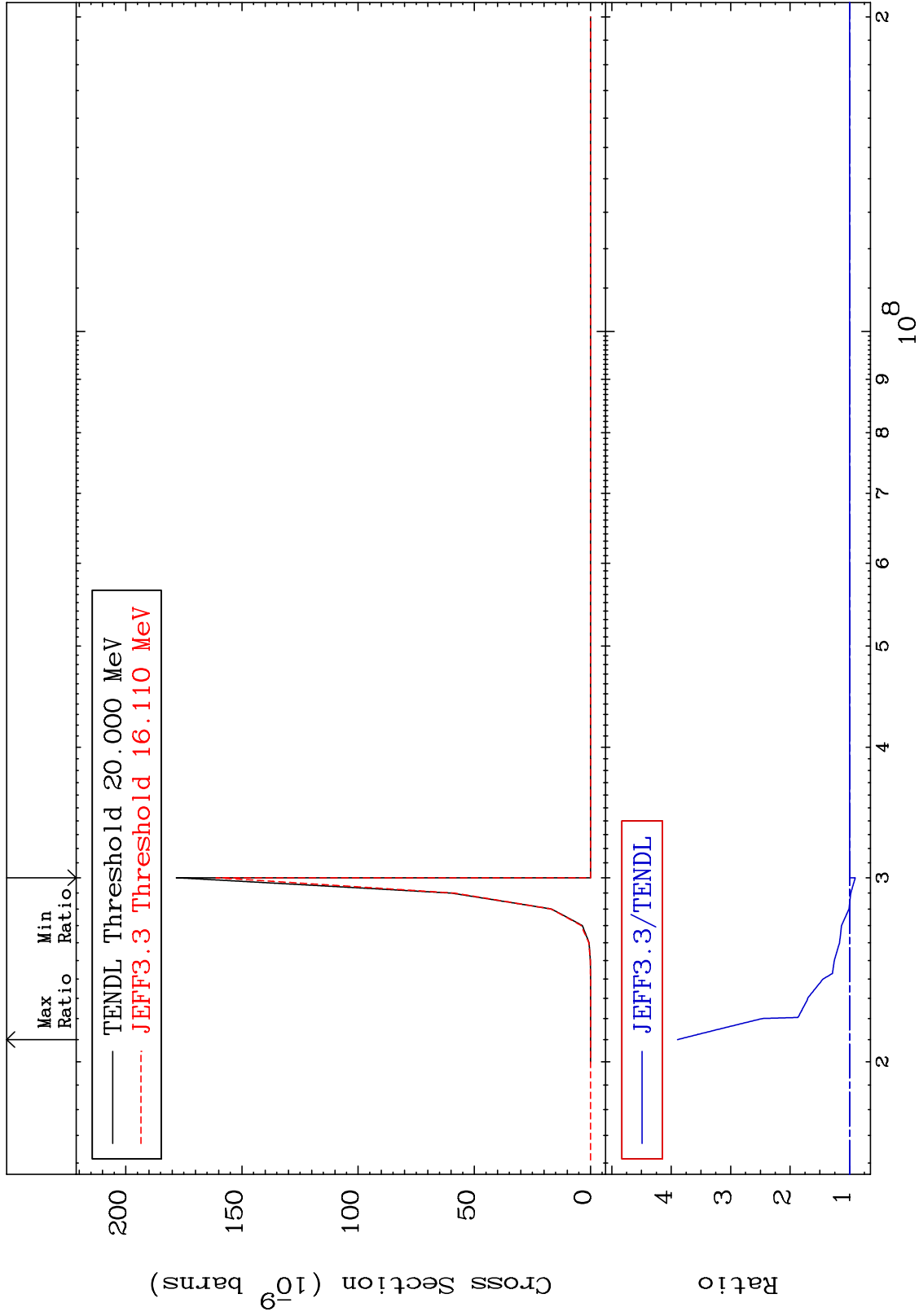


MAT 5446

54-Xe-131

(n,2n) p:52-Te-129g

Radionuclide Production Cross Section -9.604 To 289.3 %

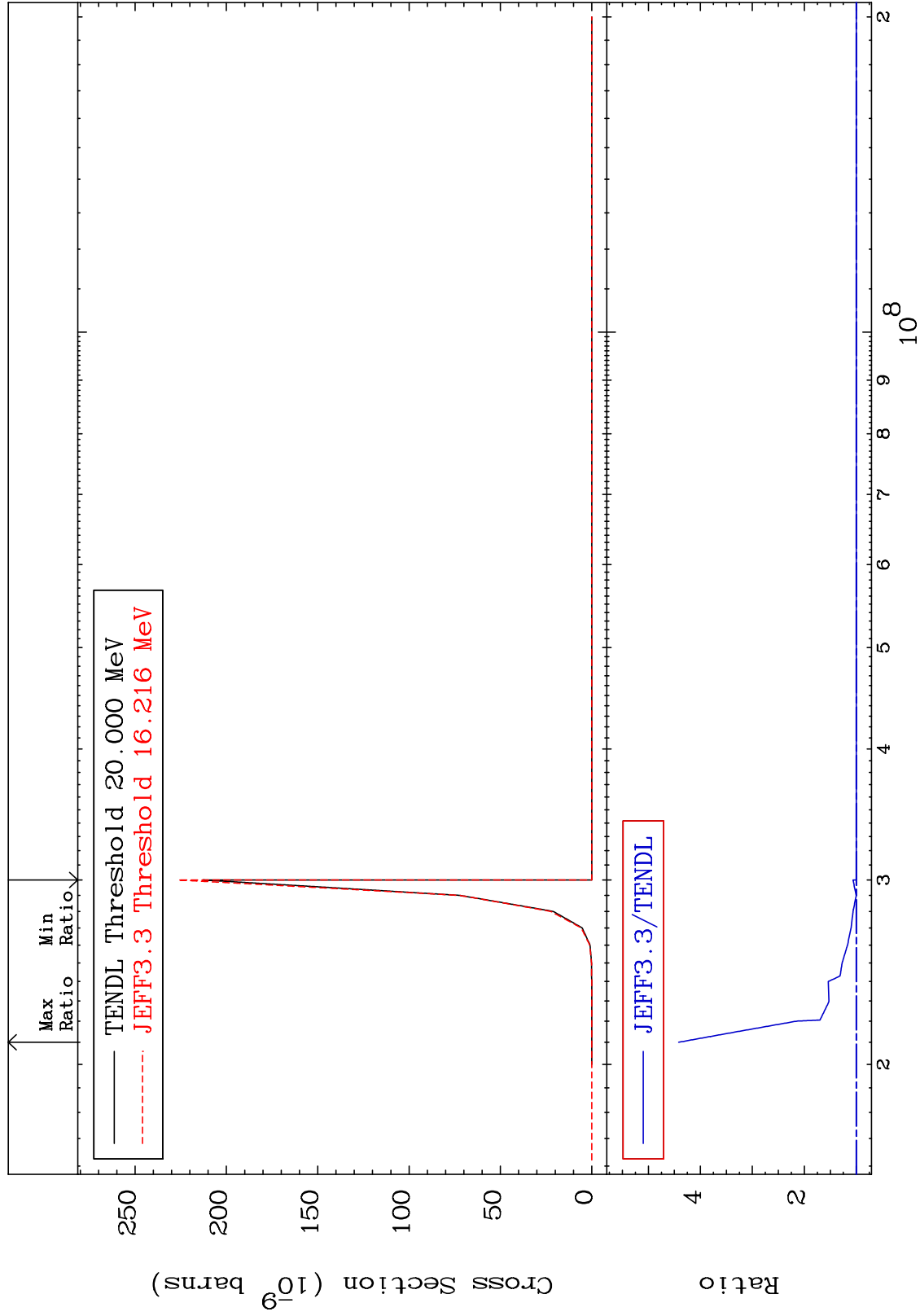


MAT 5446

(n,2n) p:52-Te-129m1

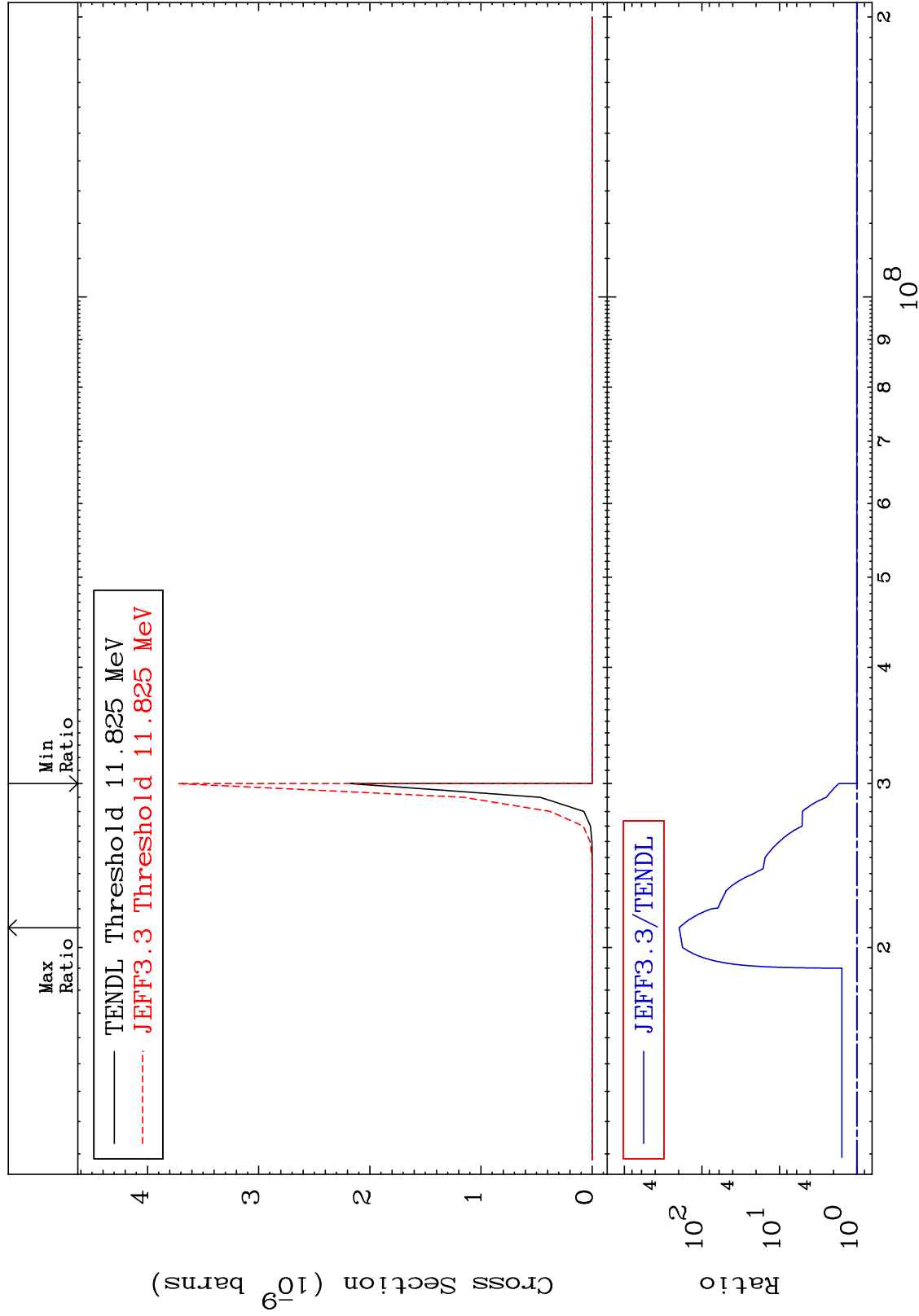
54-Xe-131

Radionuclide Production Cross Section 0.000 To 341.7 %



MAT 5446

(n, n') p α :51-Sb-126g 54-Xe-131
Radionuclide Production Cross Section 0.000 To 9999. %

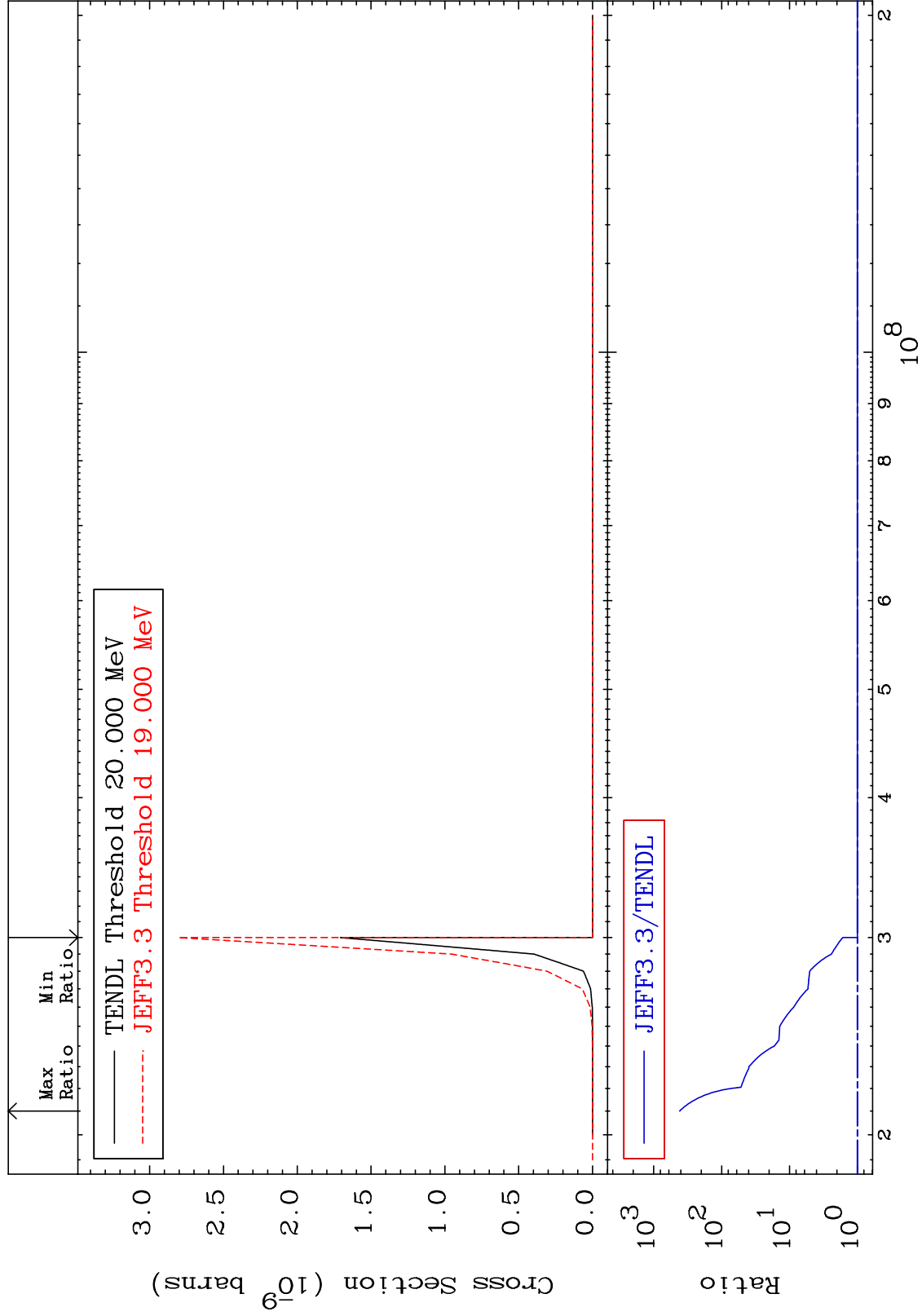


MAT 5446

(n, n') p α :51-Sb-126m1

54-Xe-131

Radionuclide Production Cross Section 0.000 To 9999. %



90

Incident Energy (eV)

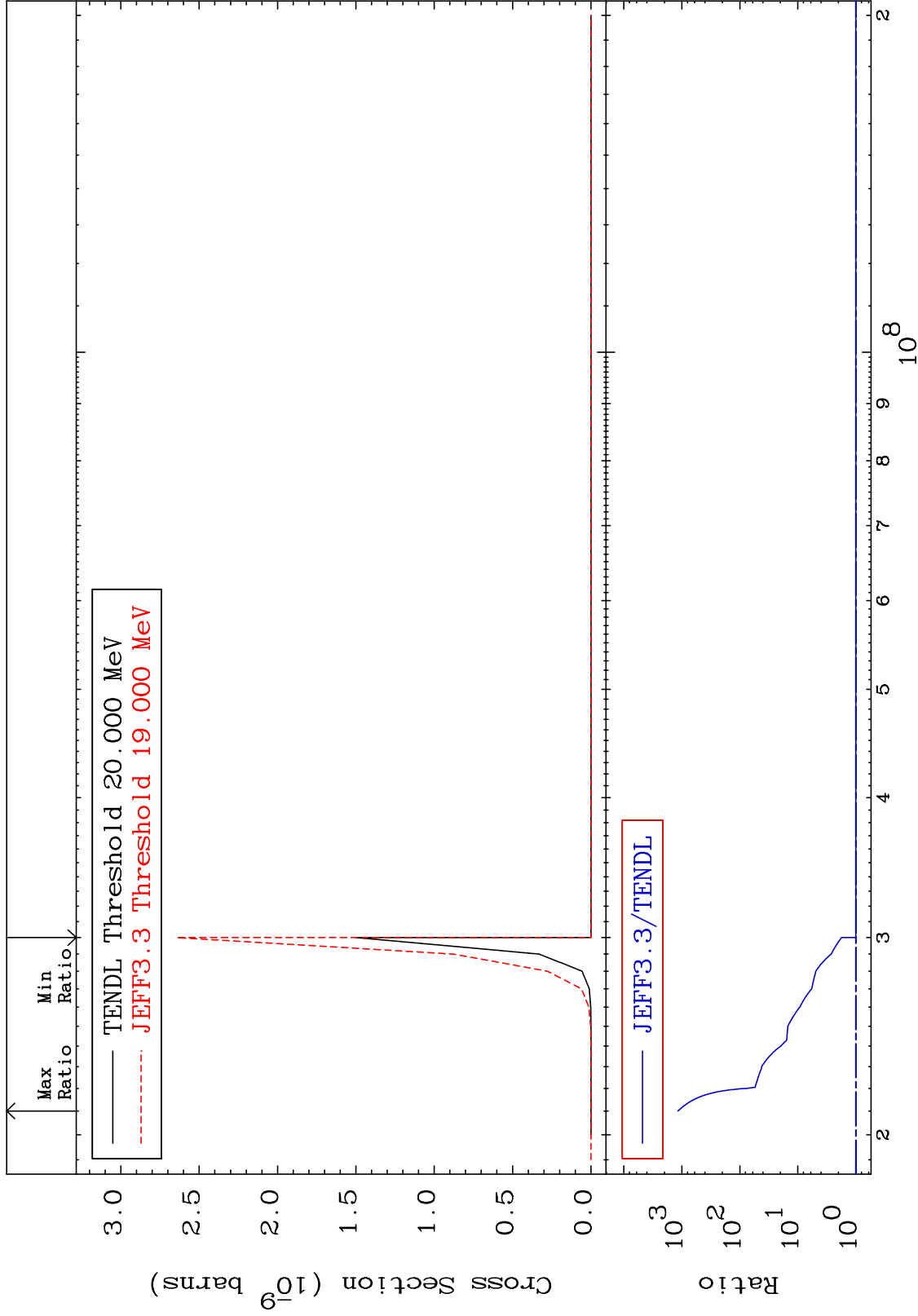
54-Xe-131

MAT 5446

(n, n') p α :51-Sb-126m2

54-Xe-131

Radionuclide Production Cross Section 0.000 To 9999. %

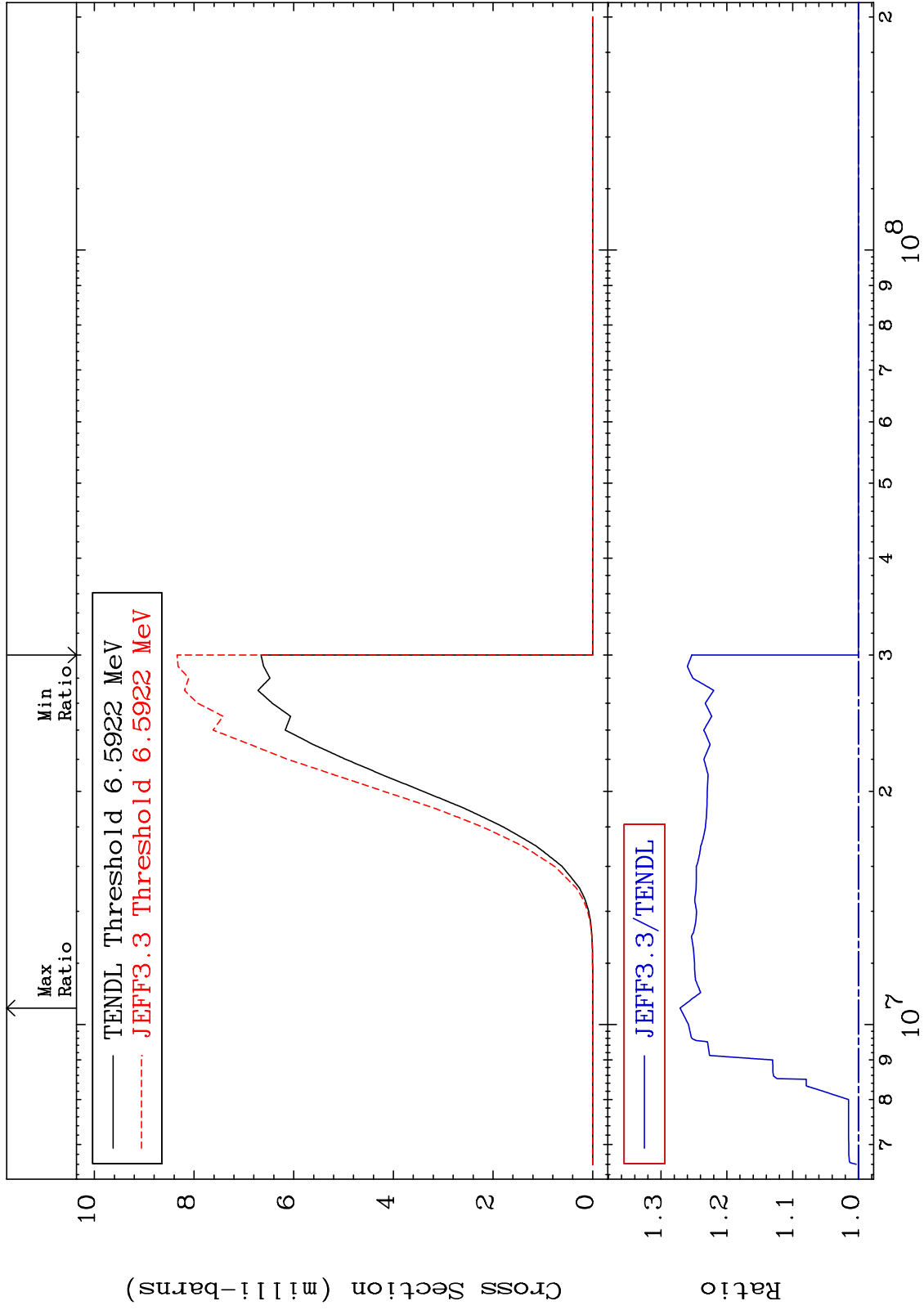


MAT 5446

(n,d):53-I -130g

54-Xe-131

Radionuclide Production Cross Section 0.000 To 27.12 %



92

54-Xe-131

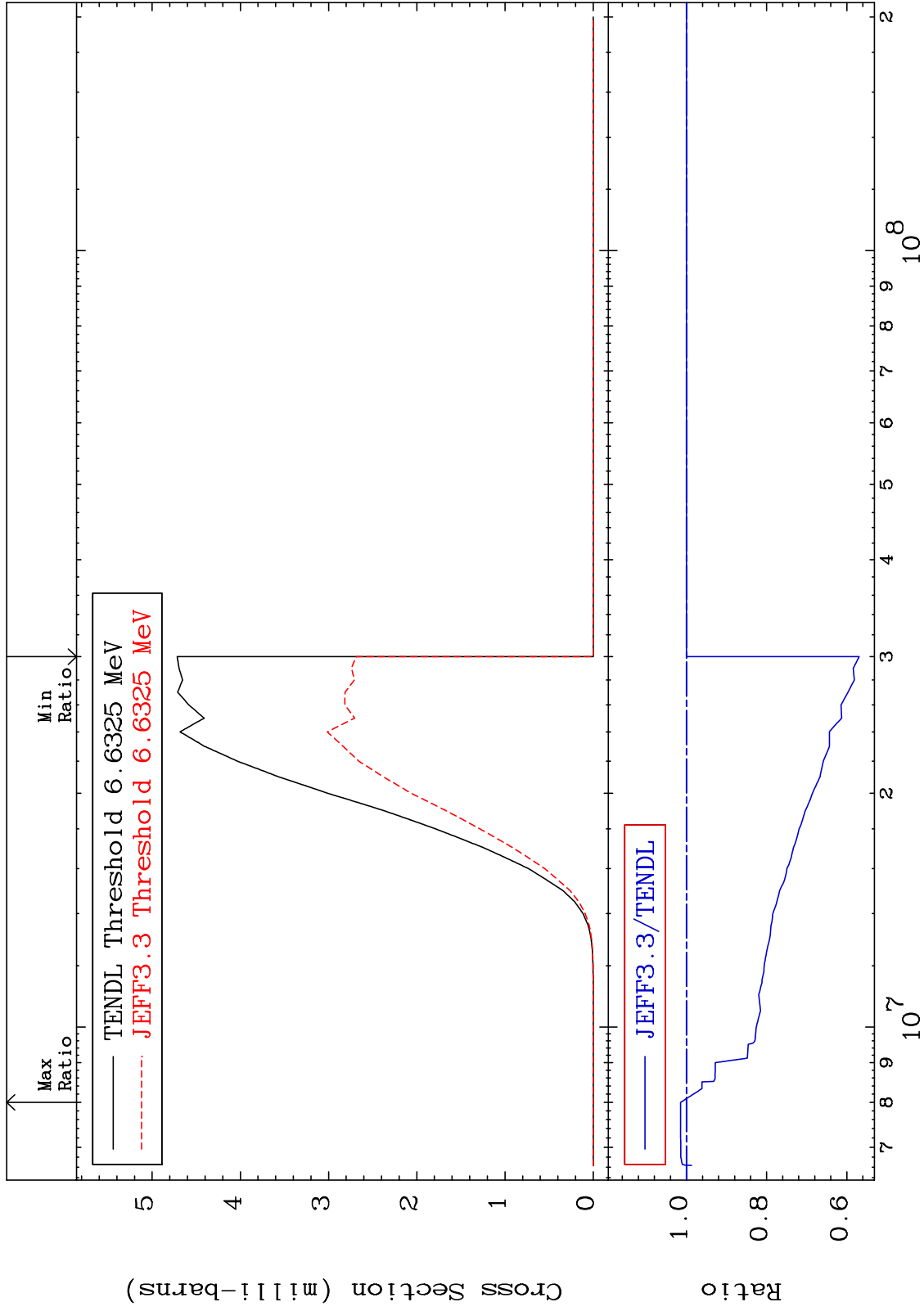
54-Xe-131

MAT 5446

(n,d):53-I -130m1

54-Xe-131

Radionuclide Production Cross Section -43.07 To 1.461 %



93

Incident Energy (eV)

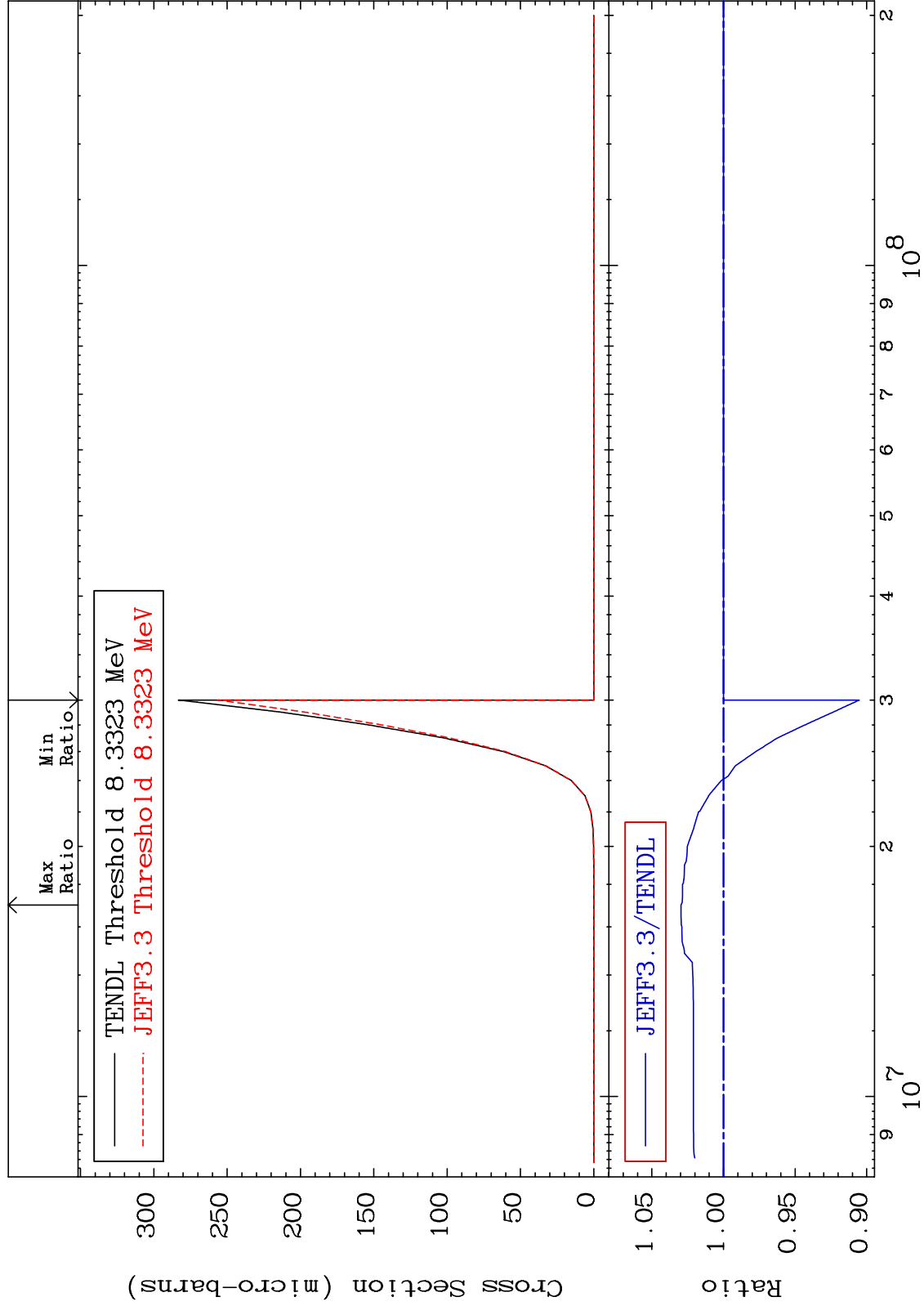
54-Xe-131

MAT 5446

54-Xe-131

(n,He-3):52-Te-129g

Radionuclide Production Cross Section -9.479 To 2.963 %



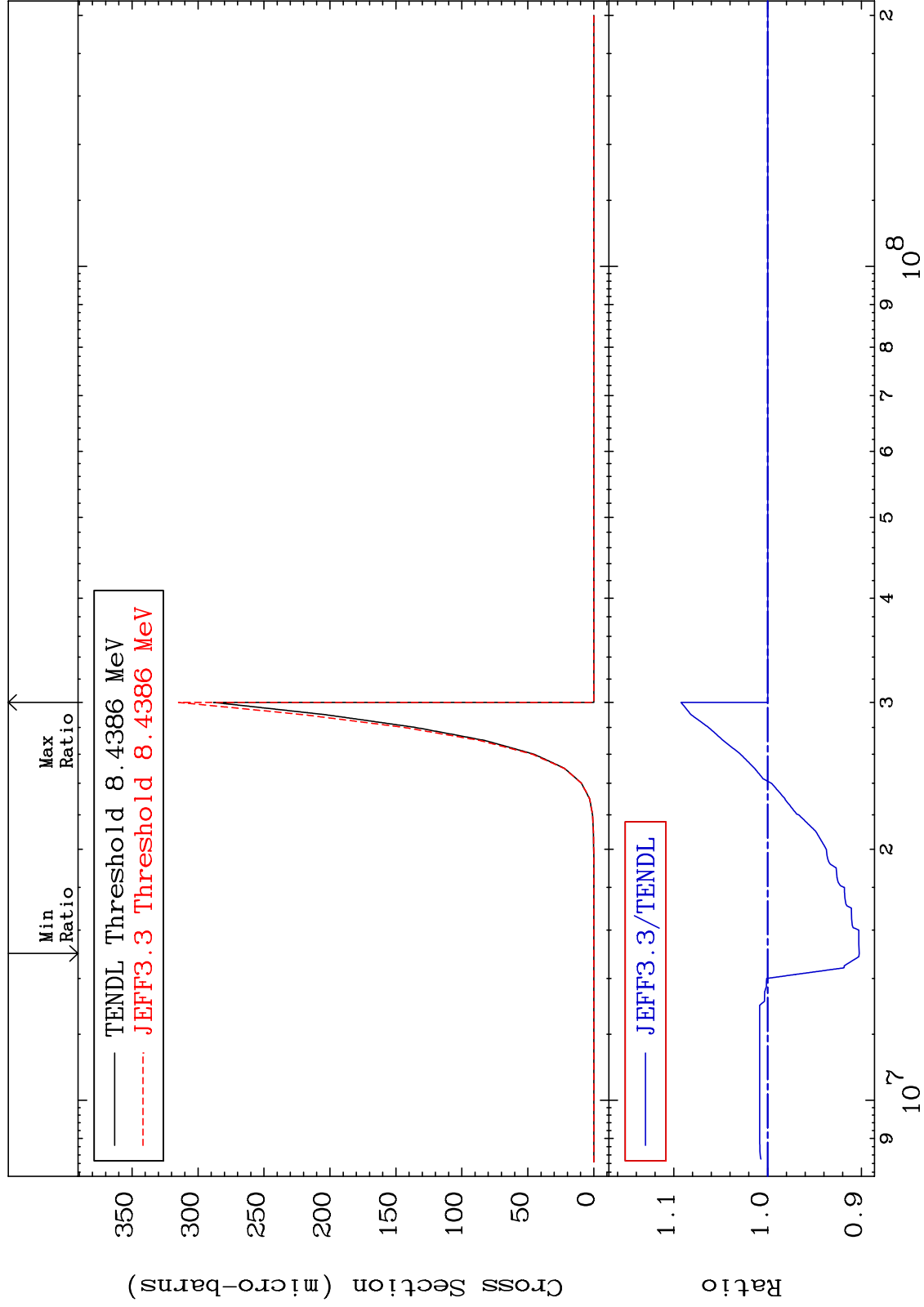
54-Xe-131

MAT 5446

(n, He-3) : 52-Te-129m1

54-Xe-131

Radionuclide Production Cross Section -9.774 To 9.229 %



95

Incident Energy (eV)

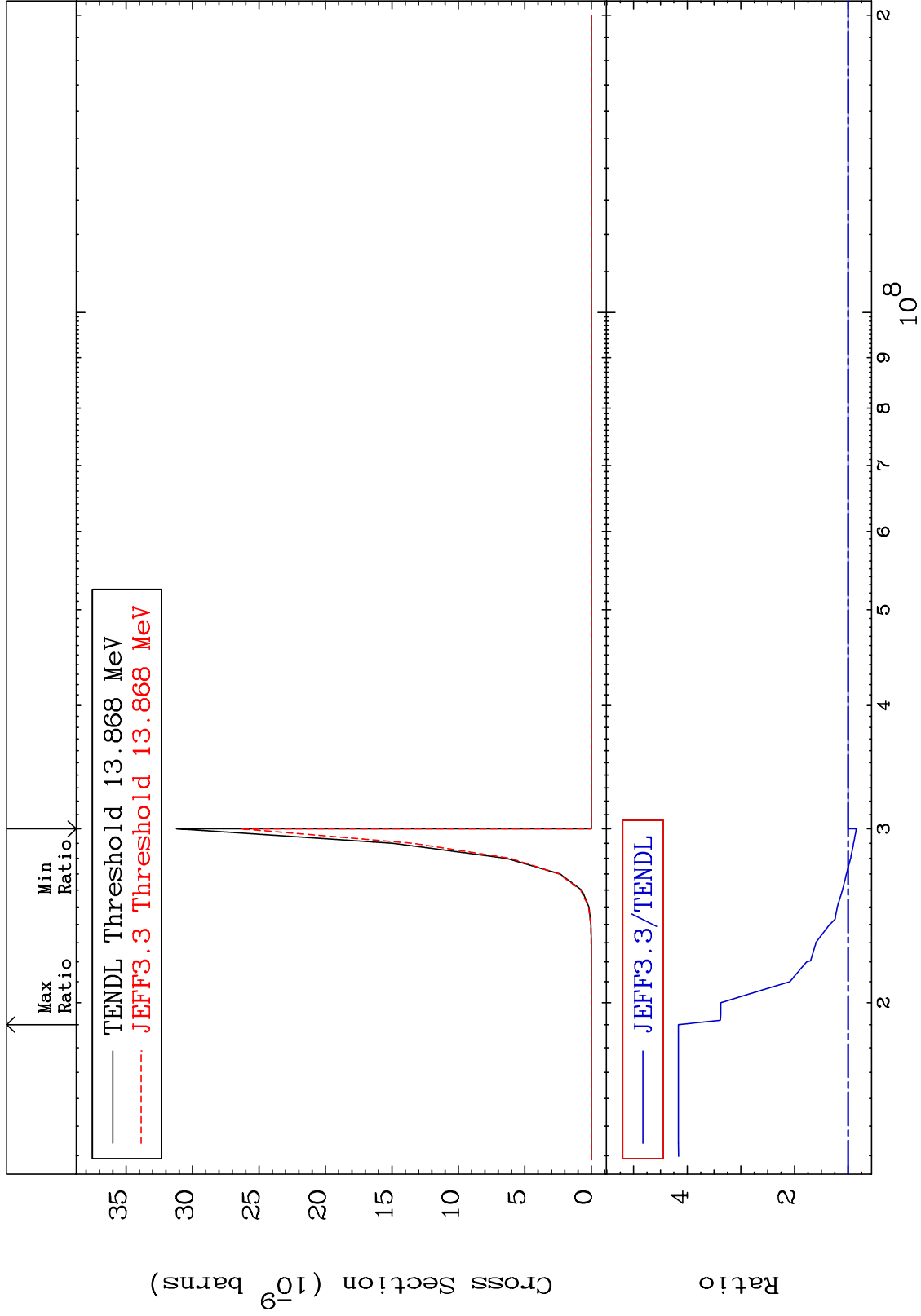
54-Xe-131

MAT 5446

(n, p) d:52-Te-129g

54-Xe-131

Radionuclide Production Cross Section -15.34 To 316.5 %

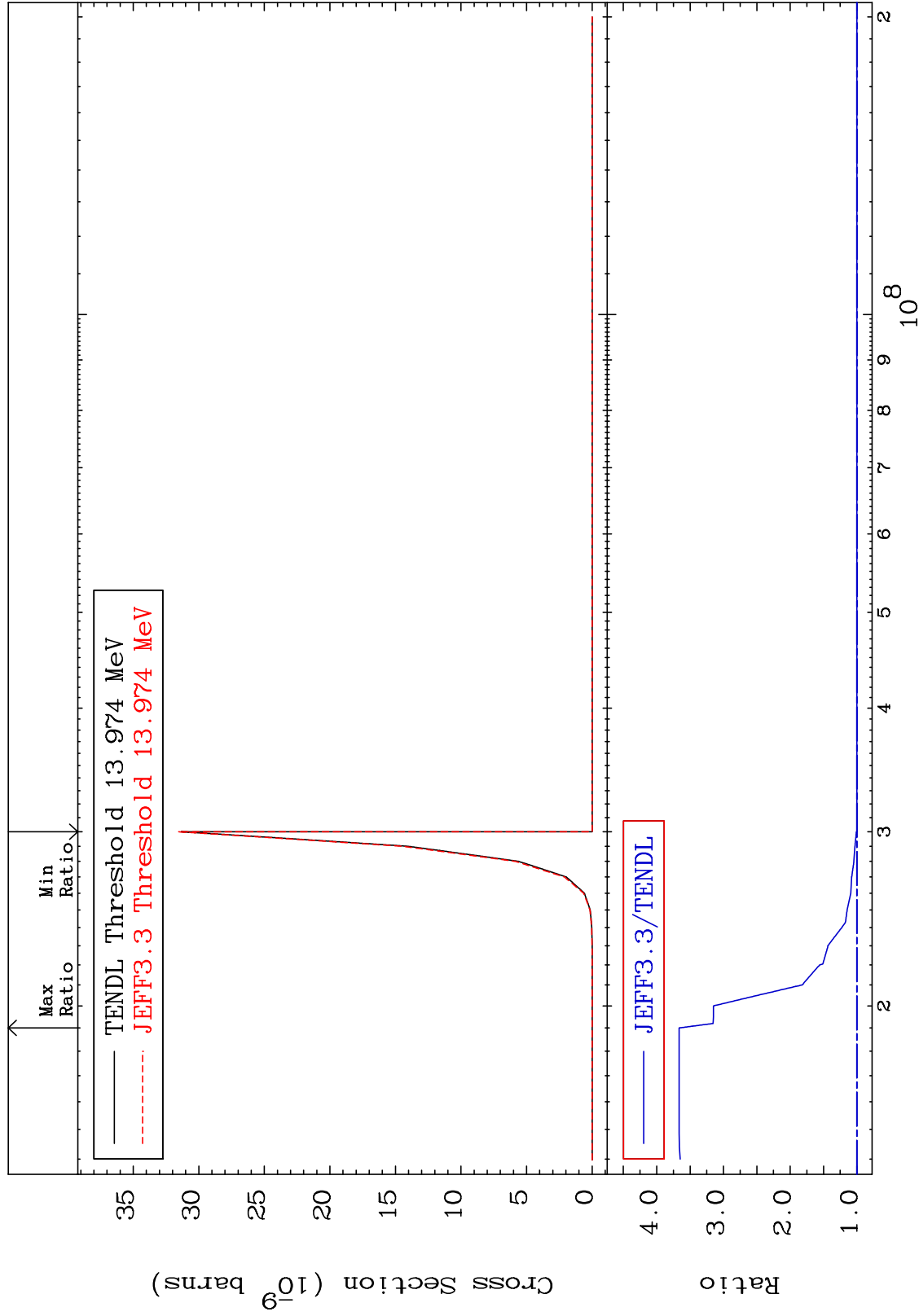


MAT 5446

(n, p) d:52-Te-129m1

54-Xe-131

Radionuclide Production Cross Section 0.000 To 266.4 %



97

Incident Energy (eV)

54-Xe-131