

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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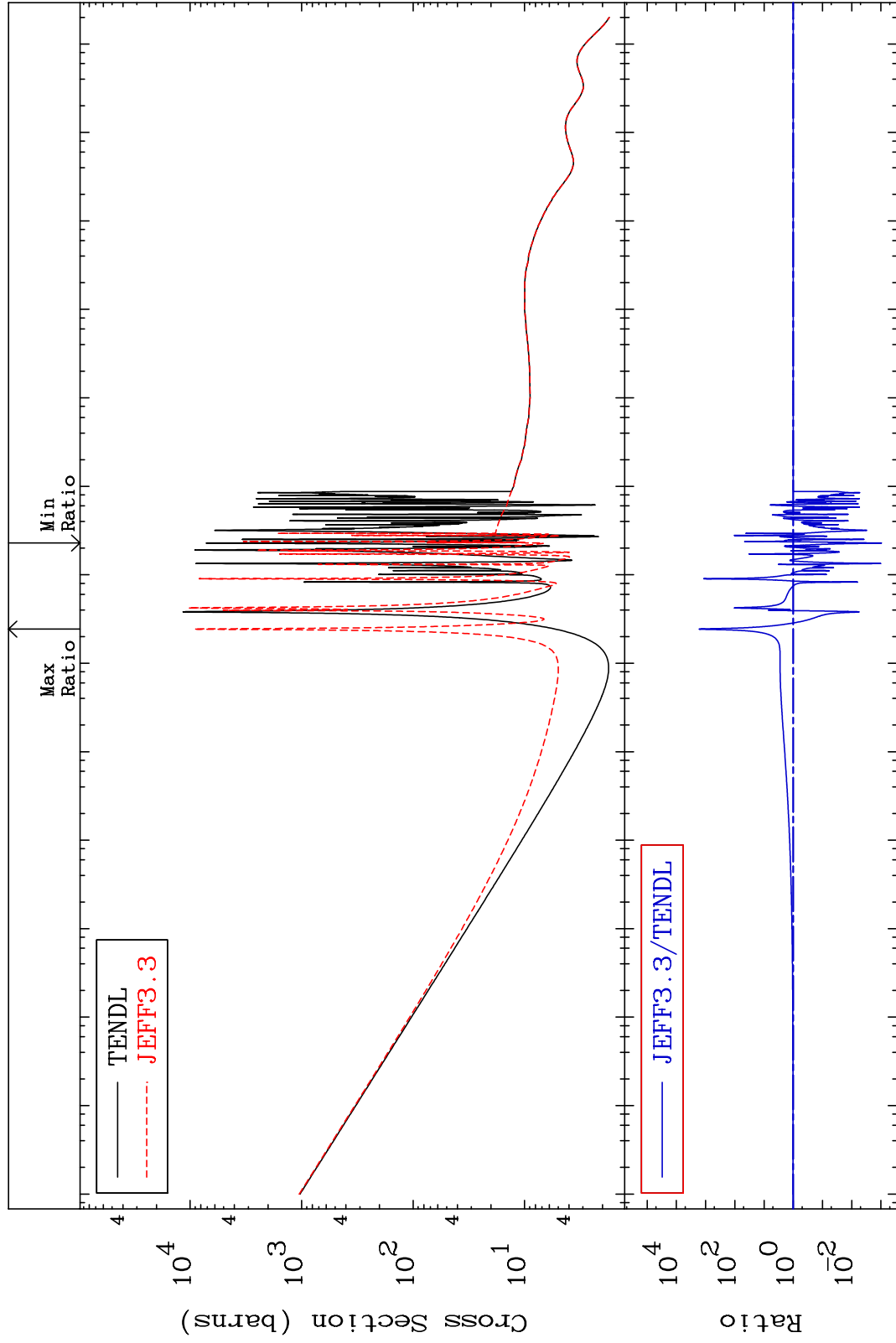
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4519

Total
Cross Section

45-Rh-101
-99.90 To 9999. %



45-Rh-101

Incident Energy (eV)

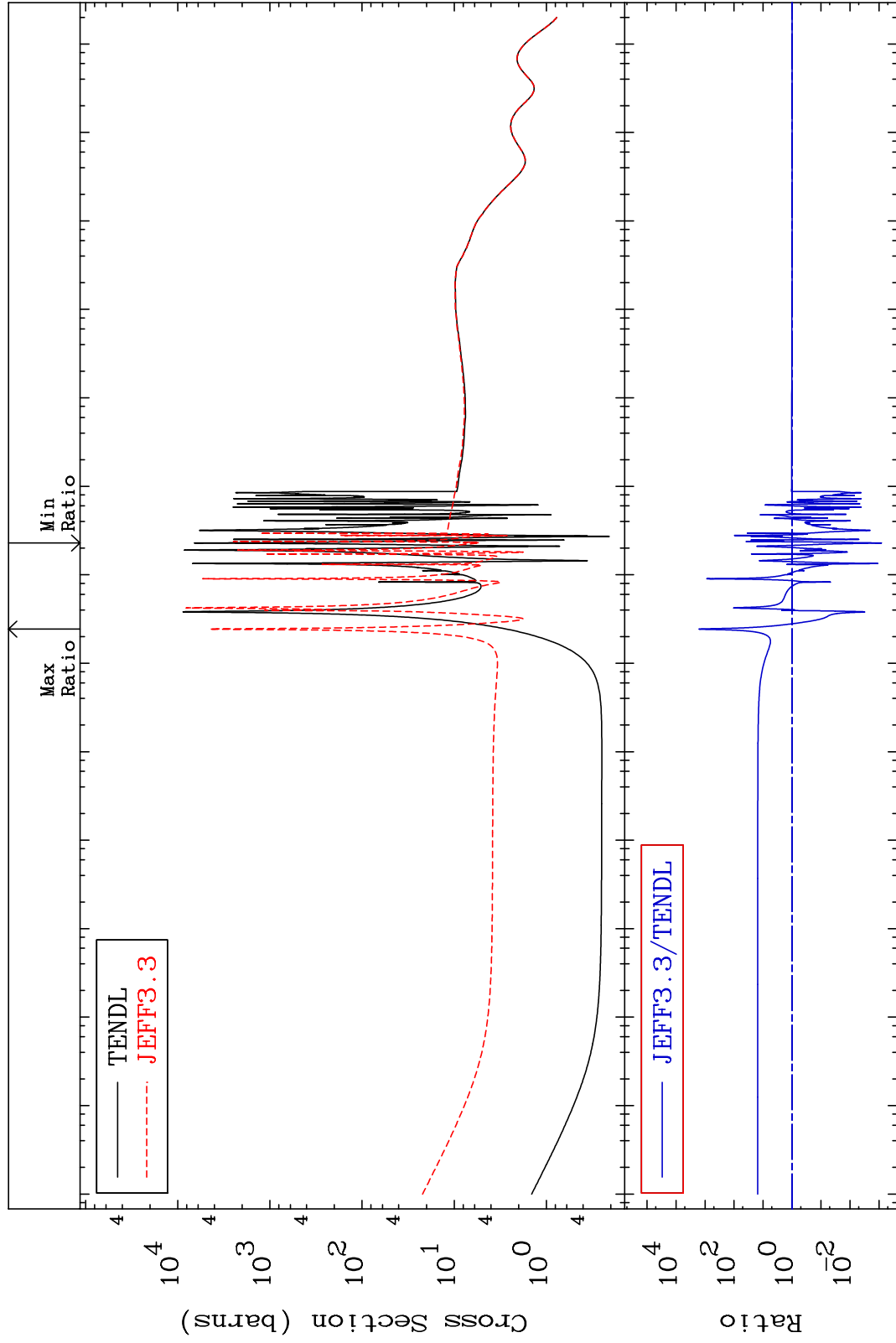
MAT 4519

Elastic

45-Rh-101

Cross Section

-99.92 To 9999. %

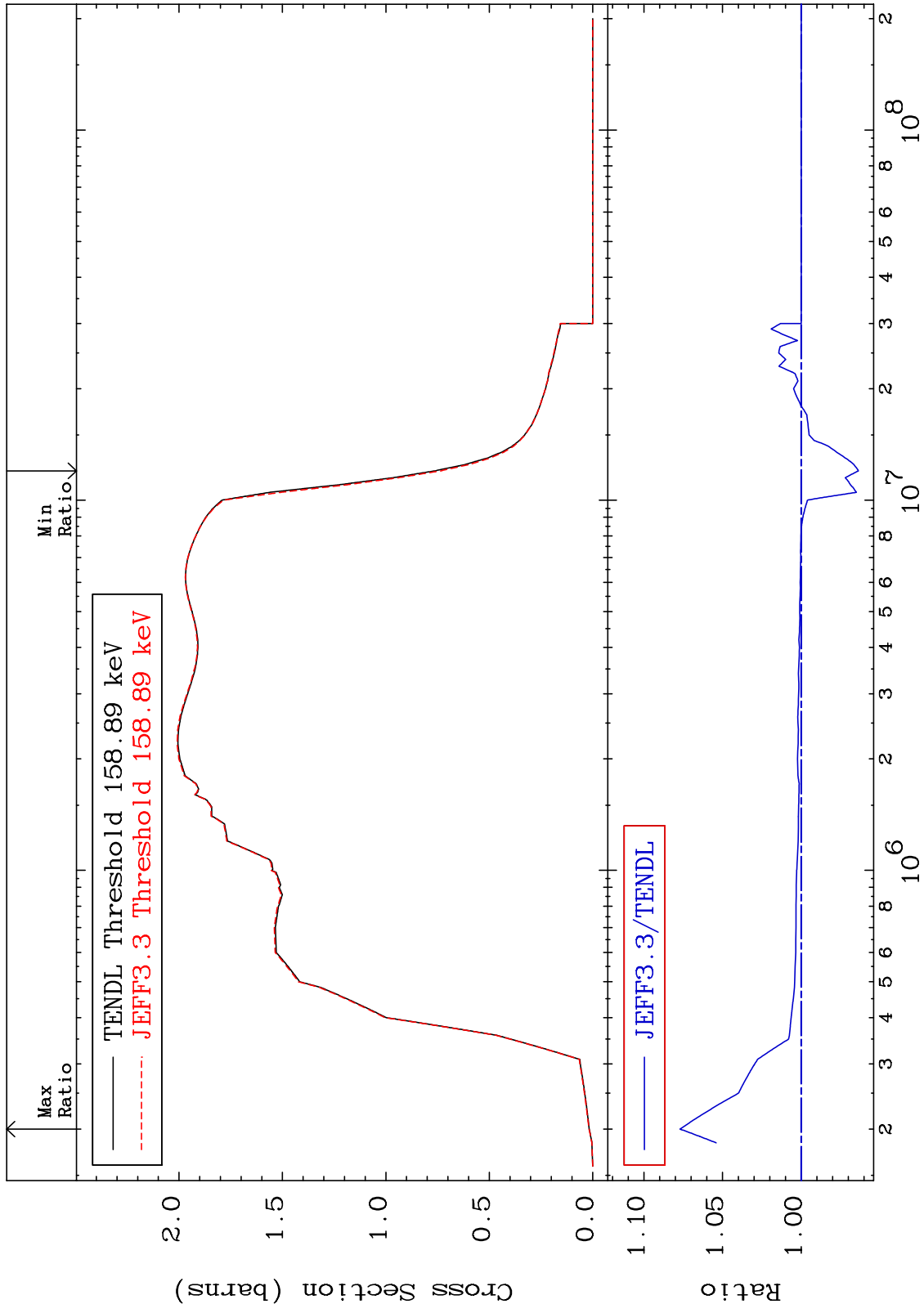


Incident Energy (eV)

45-Rh-101

2

MAT 4519 Inelastic Cross Section 45-Rh-101 -3.637 To 7.707 %



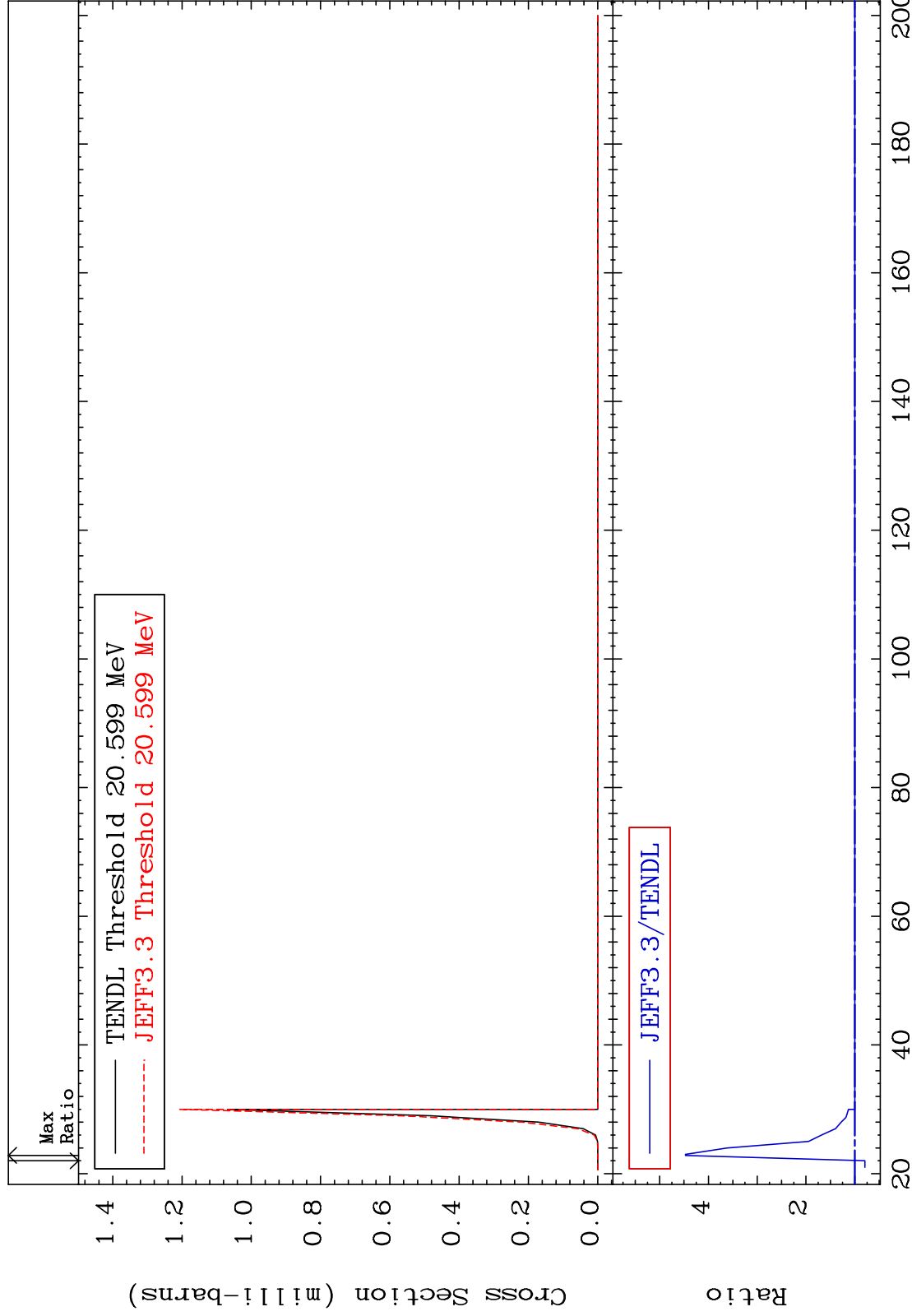
MAT 4519

(n,2n) d

45-Rh-101

Cross Section

-20.82 To 346.9 %



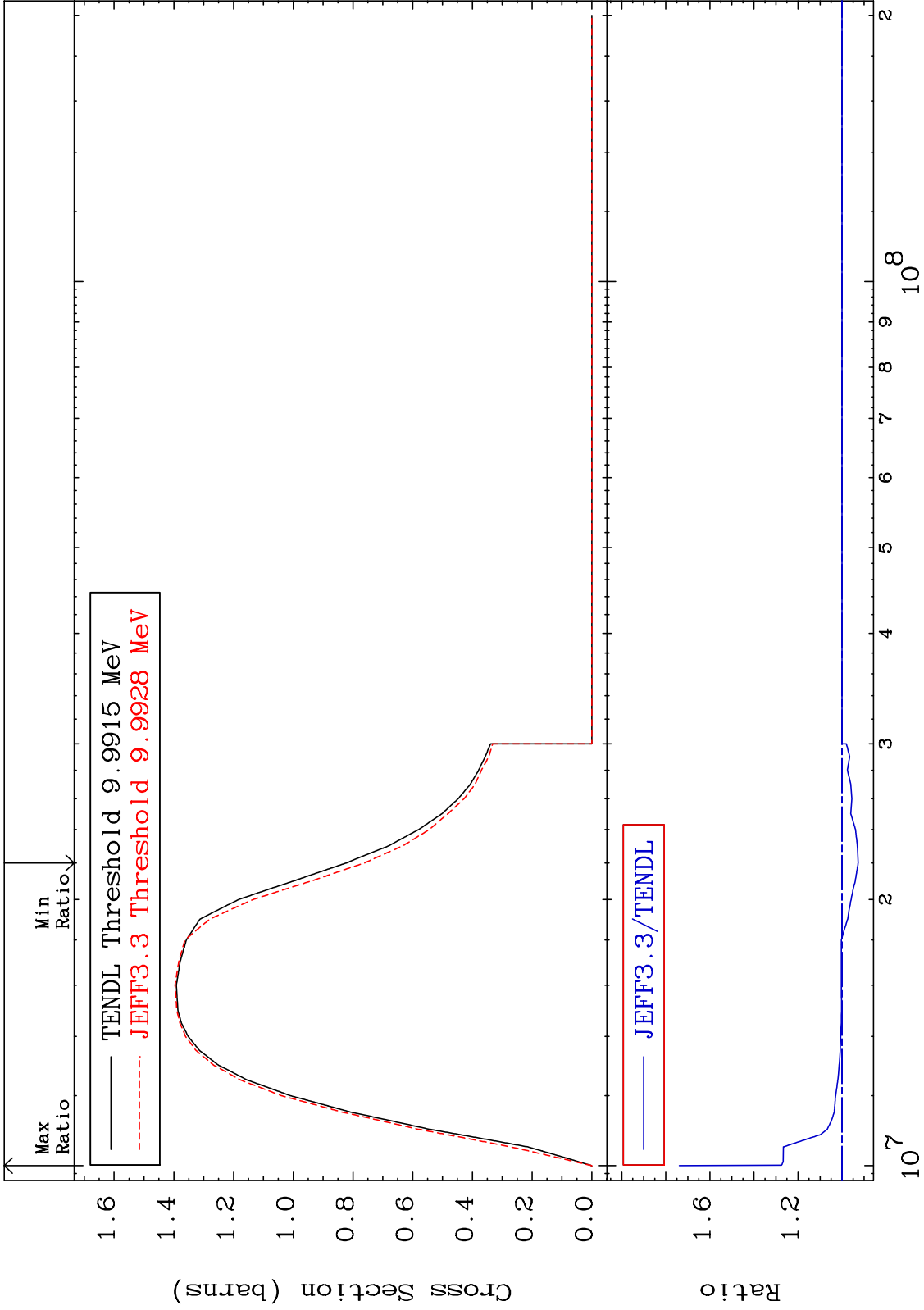
MAT 4519

(n,2n)

45-Rh-101

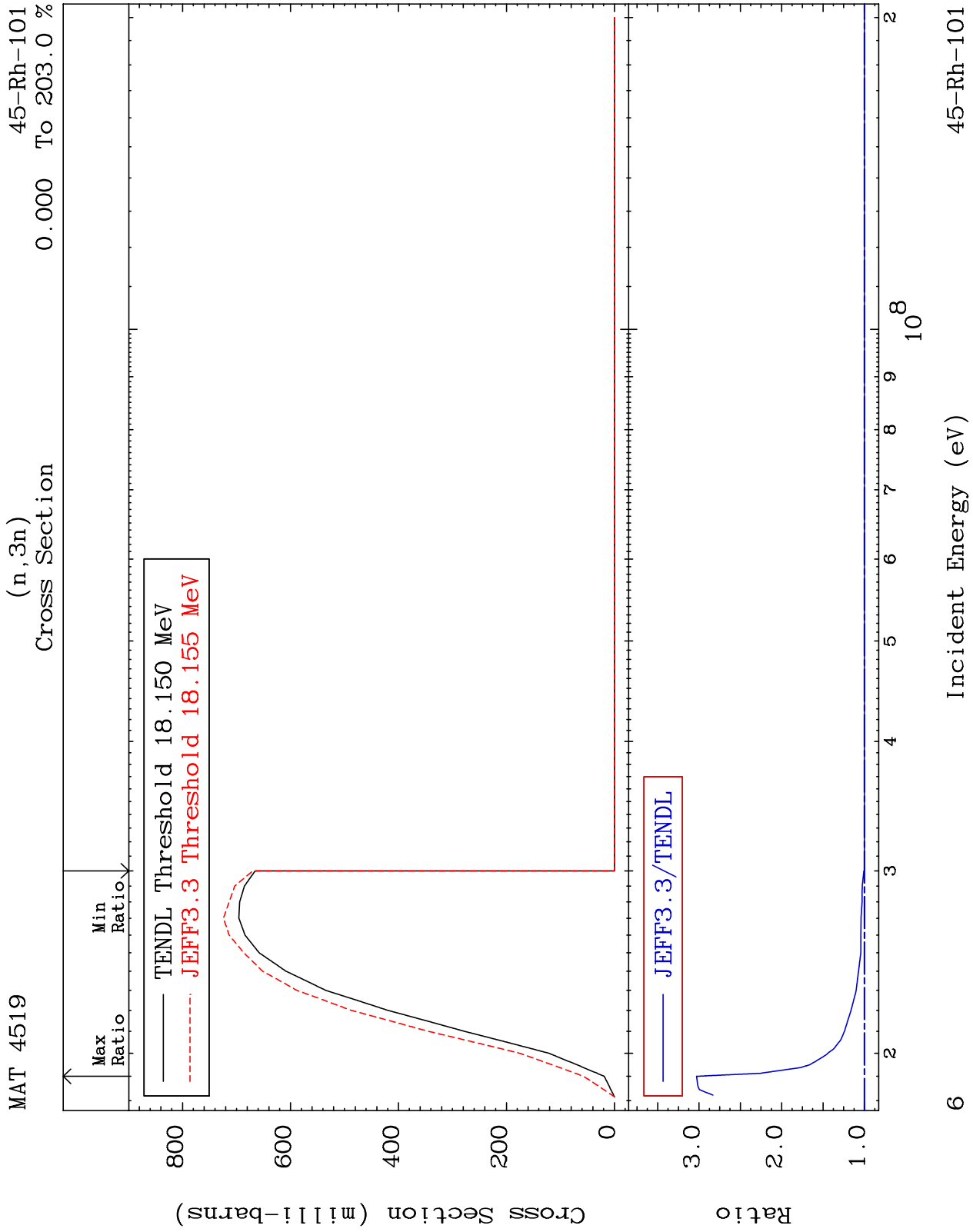
Cross Section

-7.334 To 73.83 %



45-Rh-101

45-Rh-101



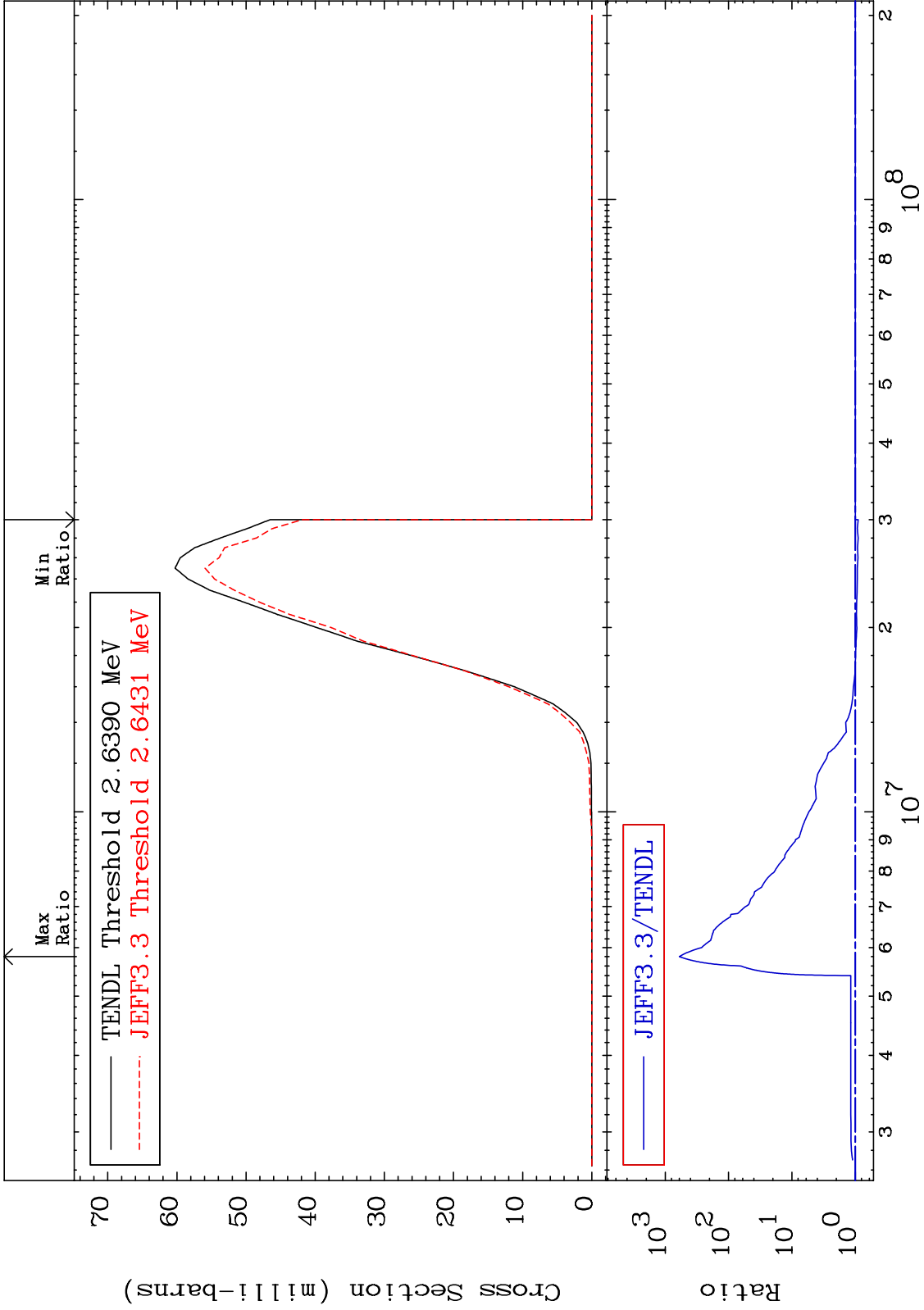
MAT 4519

(n, n') α

45-Rh-101

-9.989 To 9999. %

Cross Section



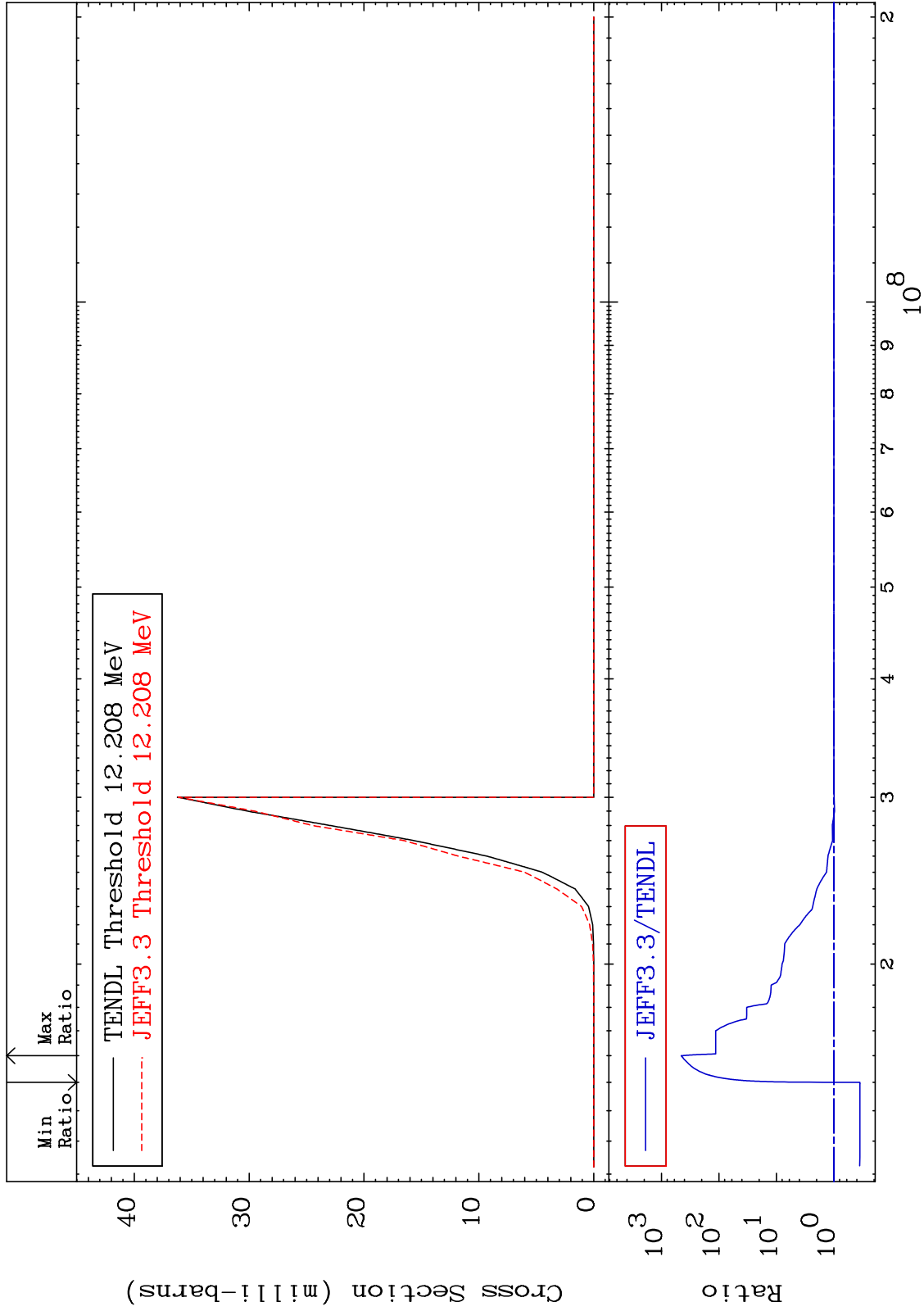
MAT 4519

(n,2n) α

45-Rh-101

Cross Section

-64.69 To 9999. %



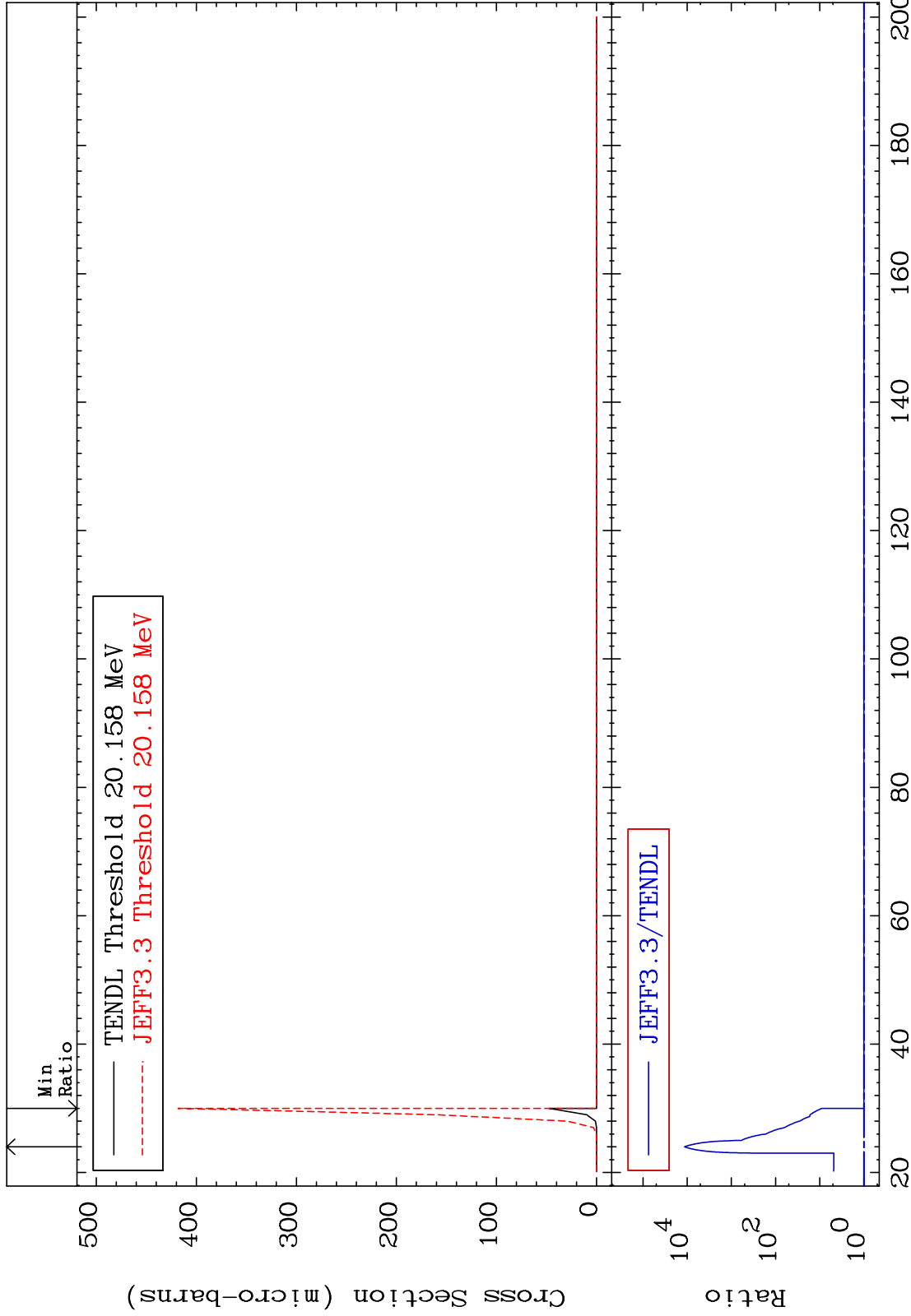
MAT 4519

(n,3n) α

45-Rh-101

Cross Section

0.000 To 9999. %



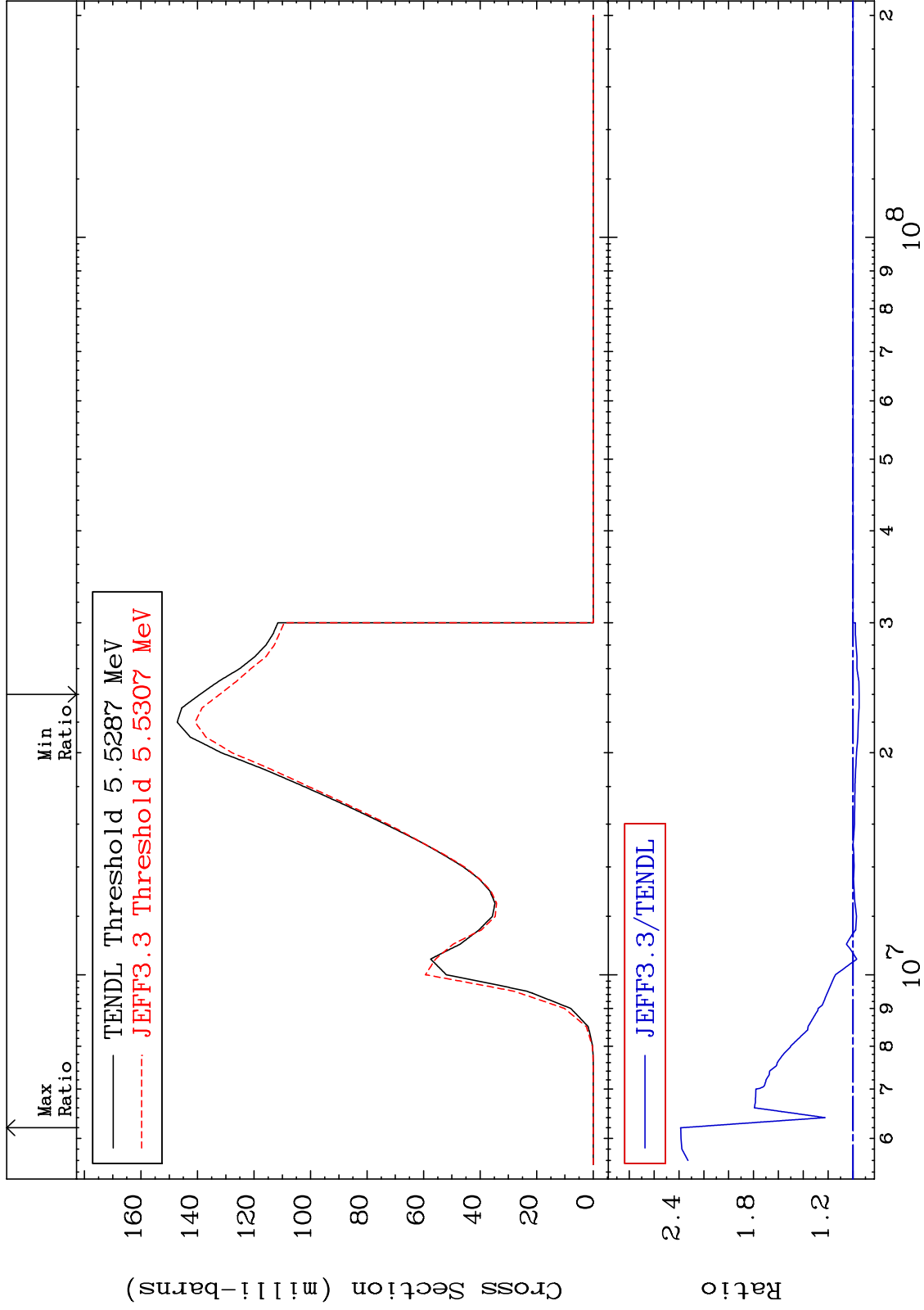
MAT 4519

(n,n') p

45-Rh-101

Cross Section

-4.993 To 138.7 %



10

Incident Energy (eV)

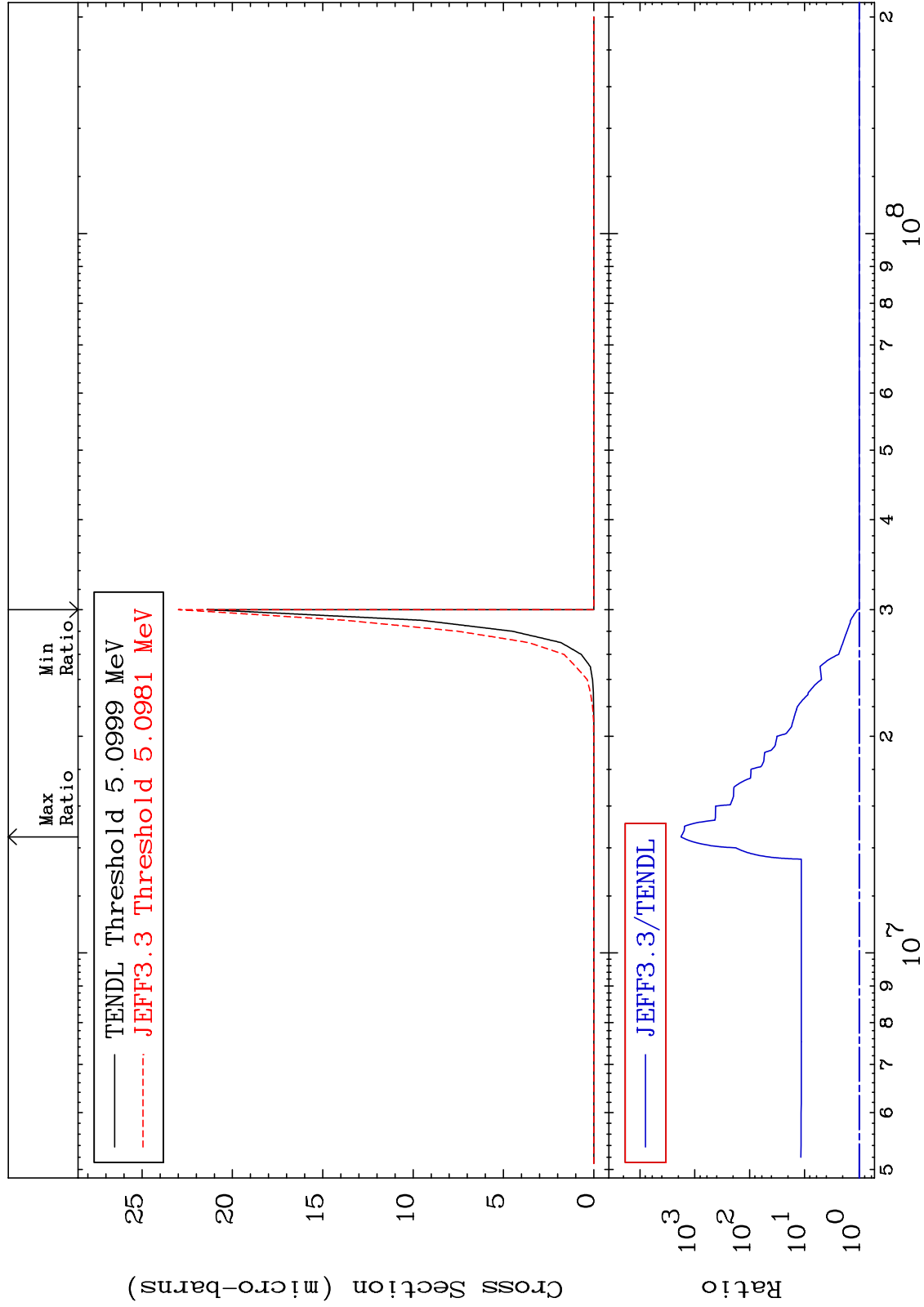
45-Rh-101

MAT 4519

(n,n') 2α

45-Rh-101

0.000 To 9999. %



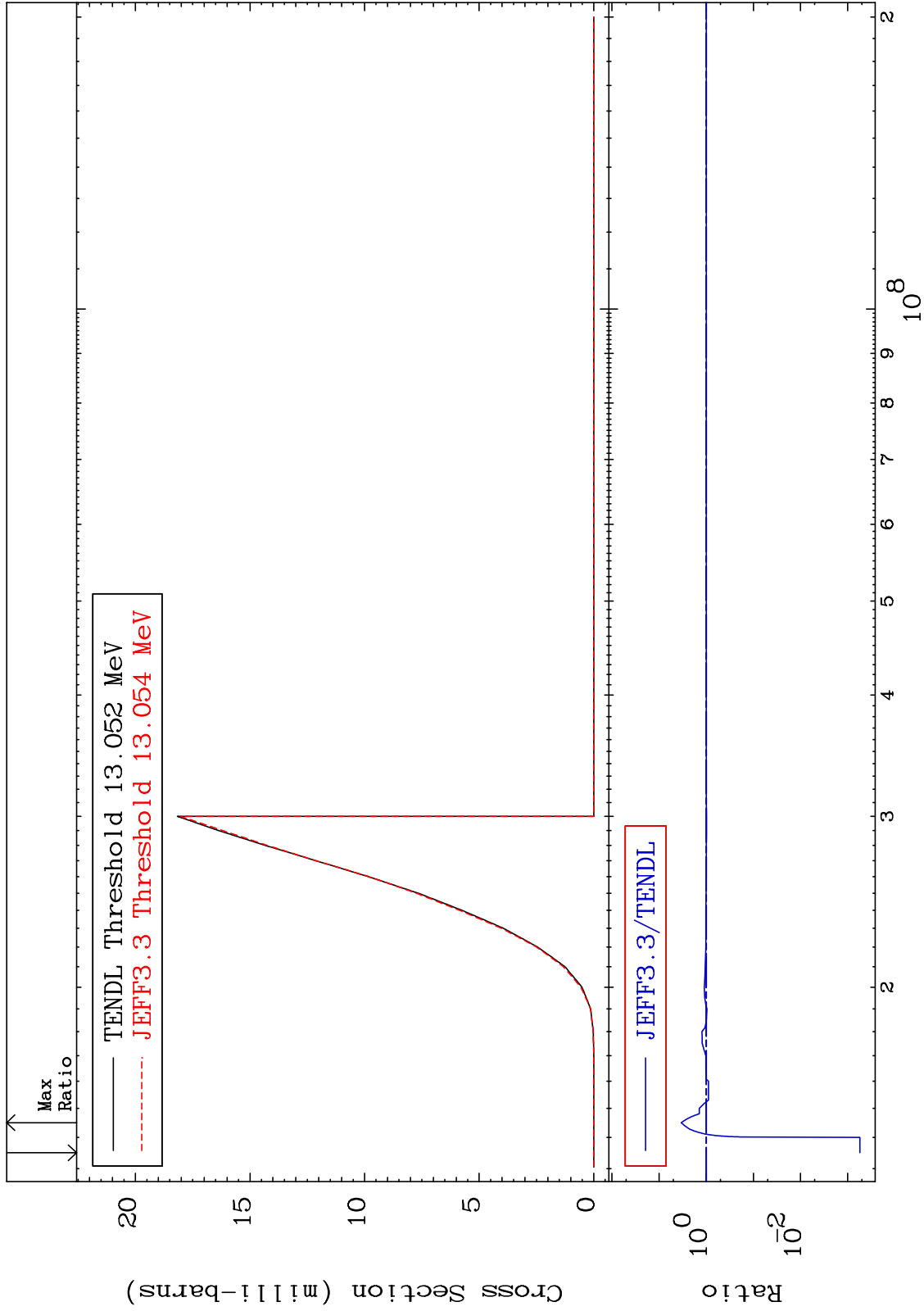
MAT 4519

(n, n') d

45-Rh-101

Cross Section

-99.95 To 239.7 %



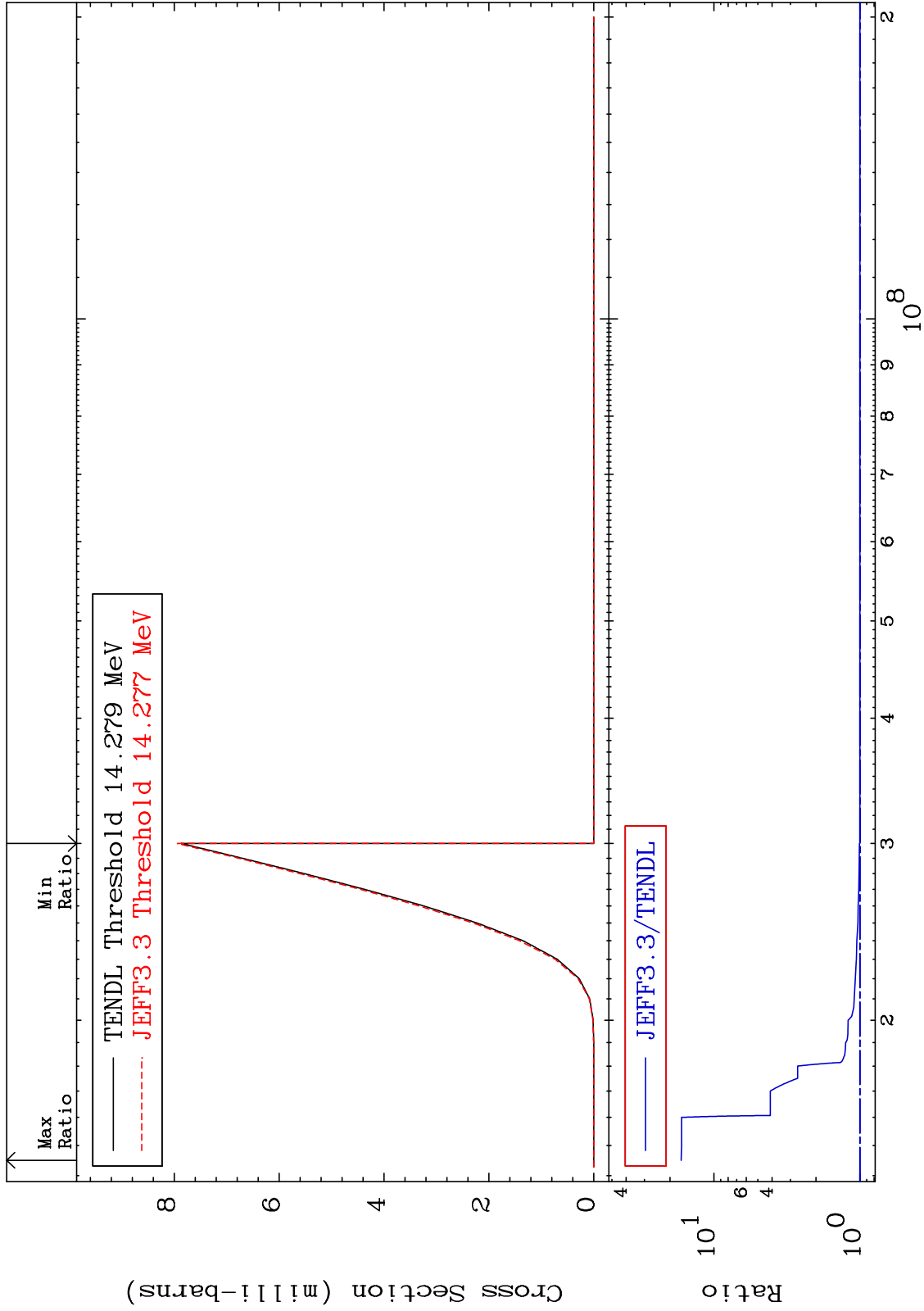
MAT 4519

(n,n') t

45-Rh-101

Cross Section

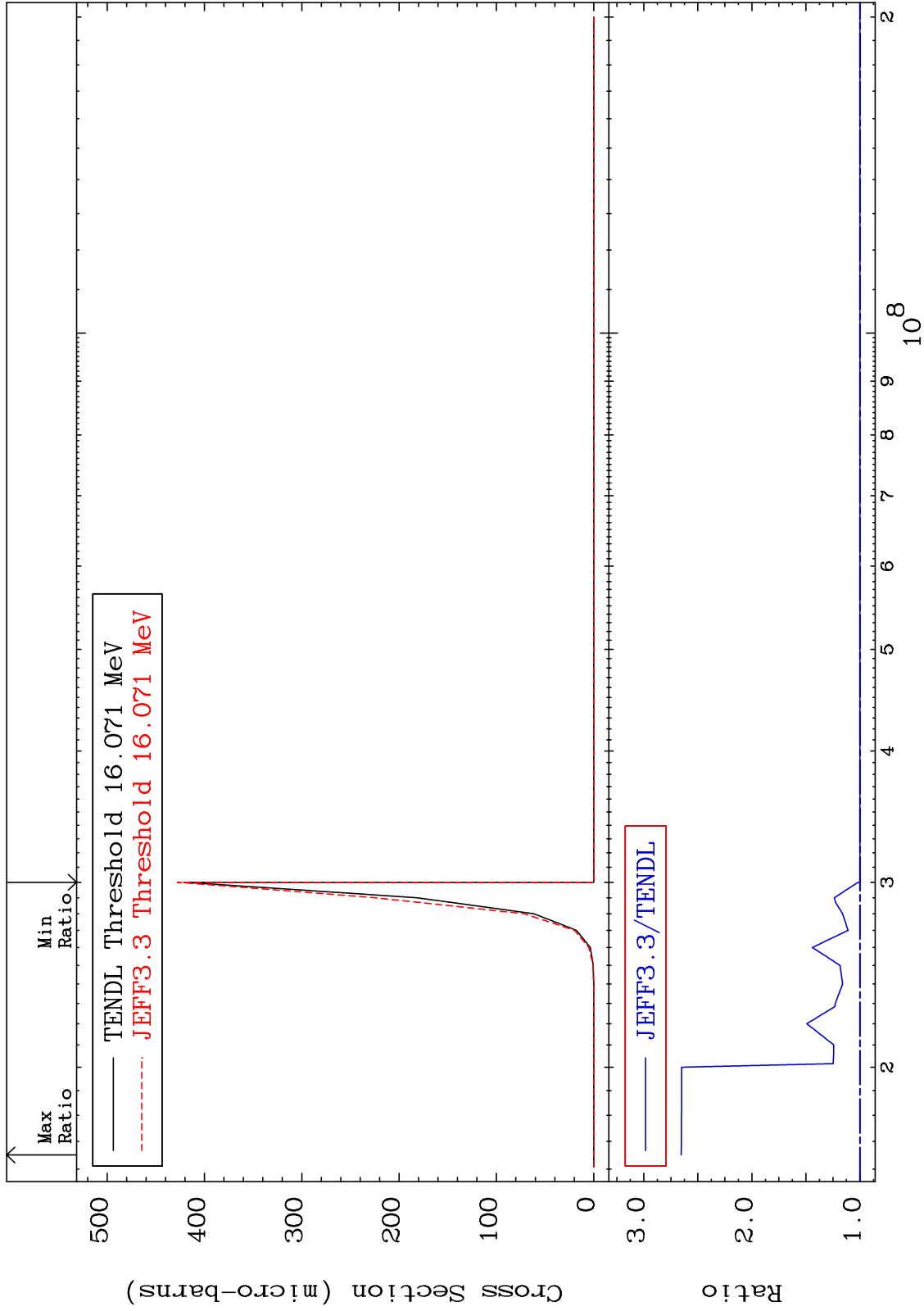
0.000 To 1577. %



MAT 4519

(n,n') He-3
Cross Section

45-Rh-101
0.000 To 165.4 %



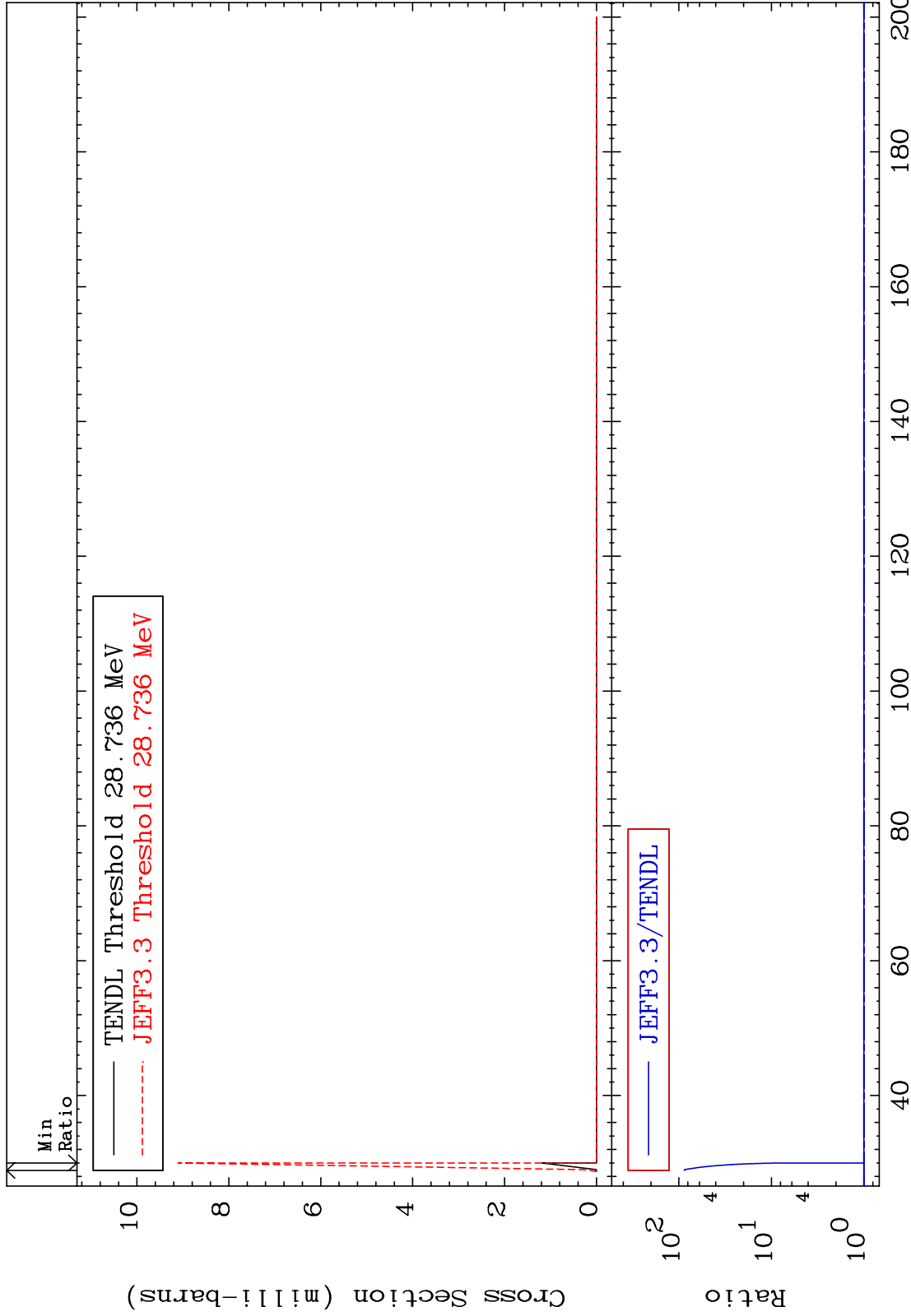
MAT 4519

(n, 4n)

45-Rh-101

Cross Section

0.000 To 8623. %



15

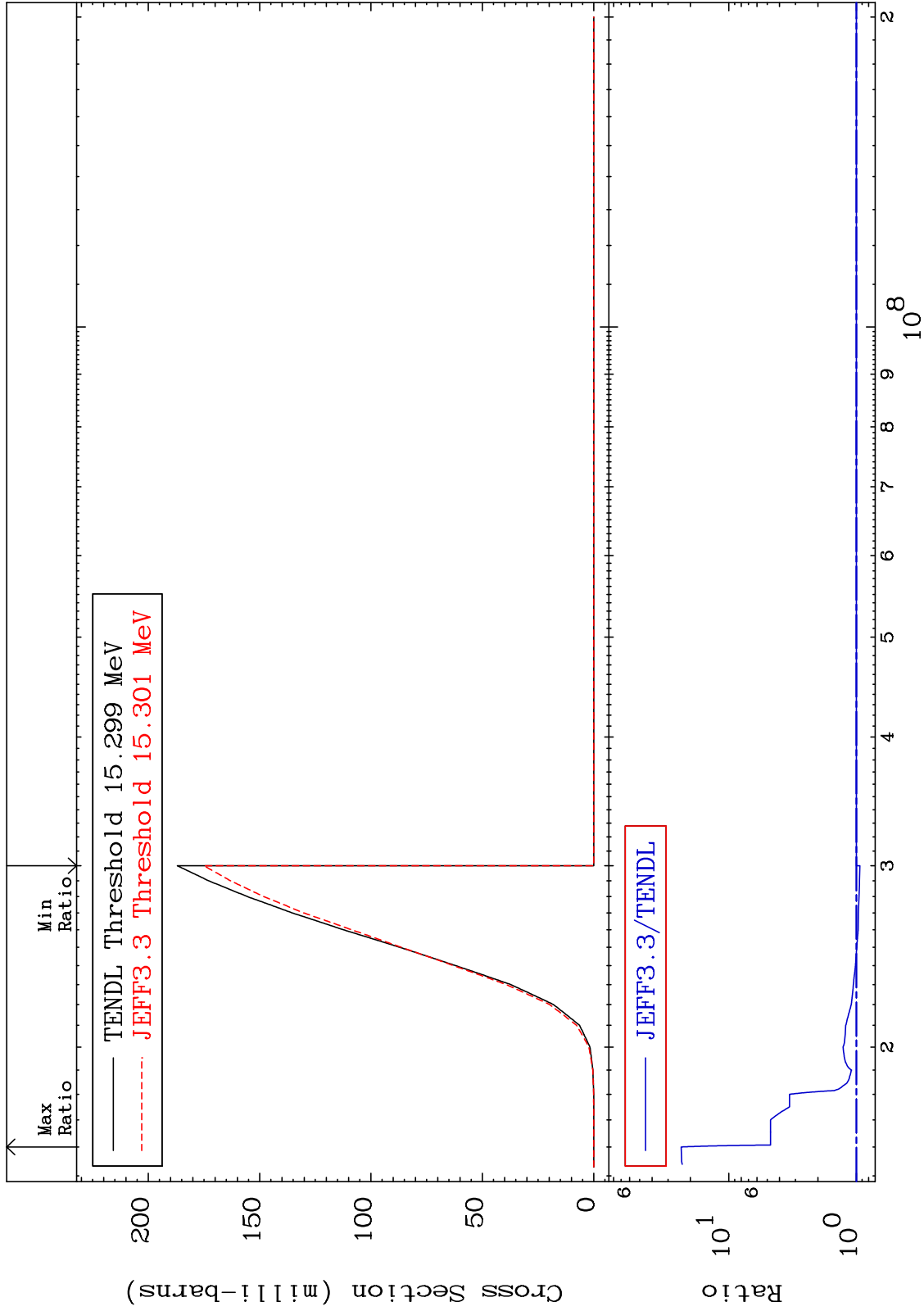
Incident Energy (MeV)

45-Rh-101

MAT 4519

(n,2n) p
Cross Section

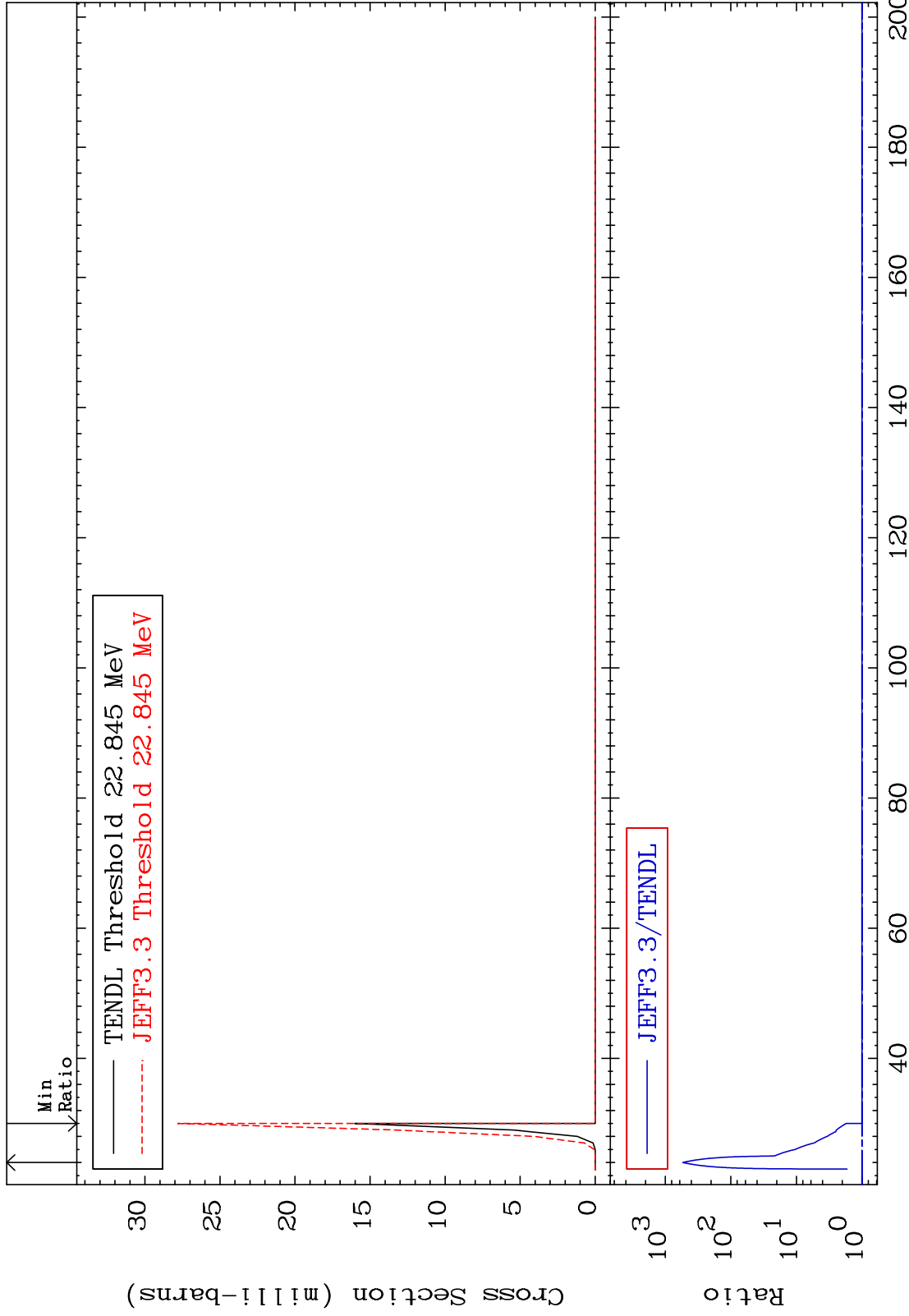
45-Rh-101
-6.360 To 2260. %



MAT 4519

(n,3n) p
Cross Section

45-Rh-101
0.000 To 9999. %



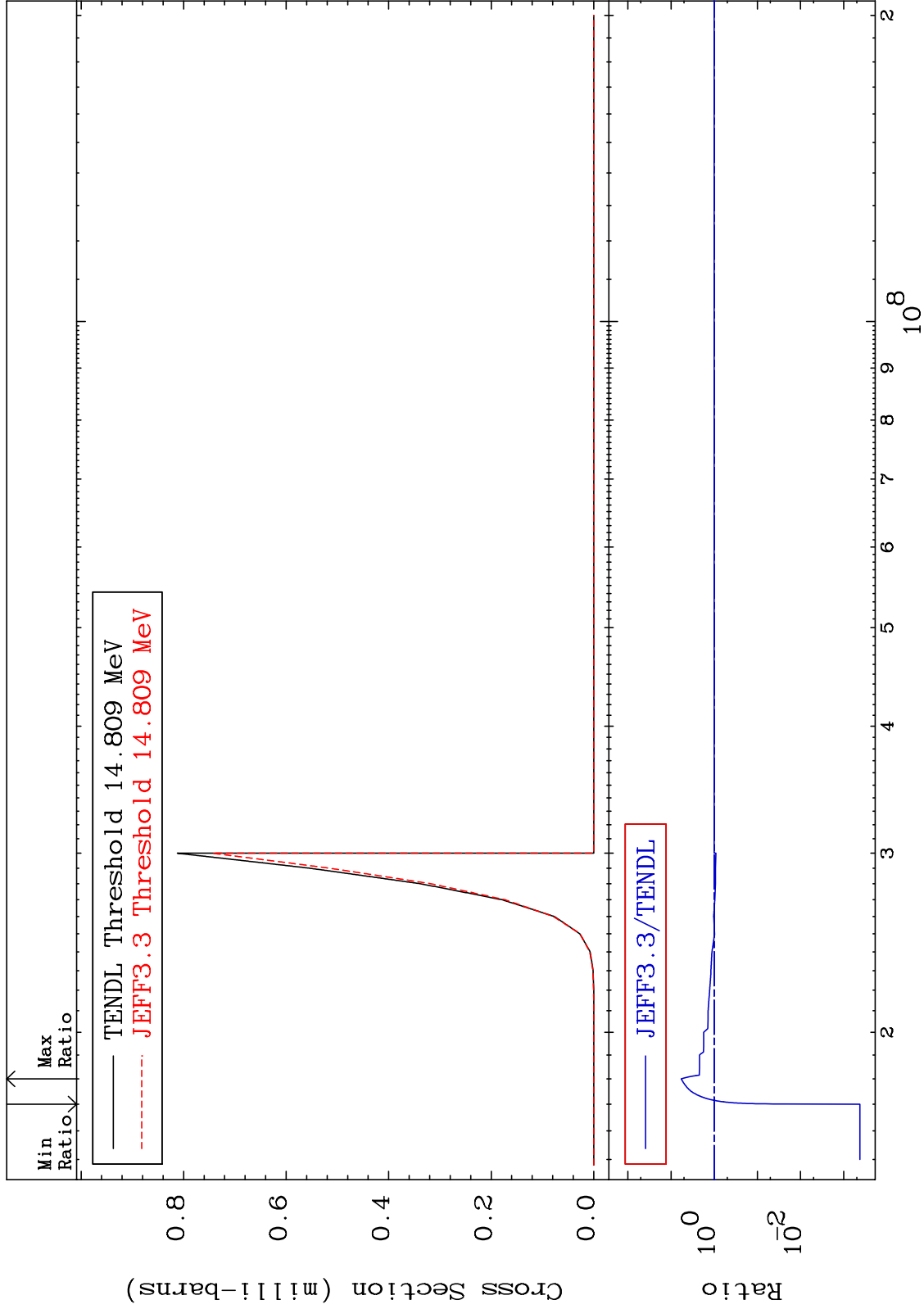
MAT 4519

(n,2n) p

45-Rh-101

Cross Section

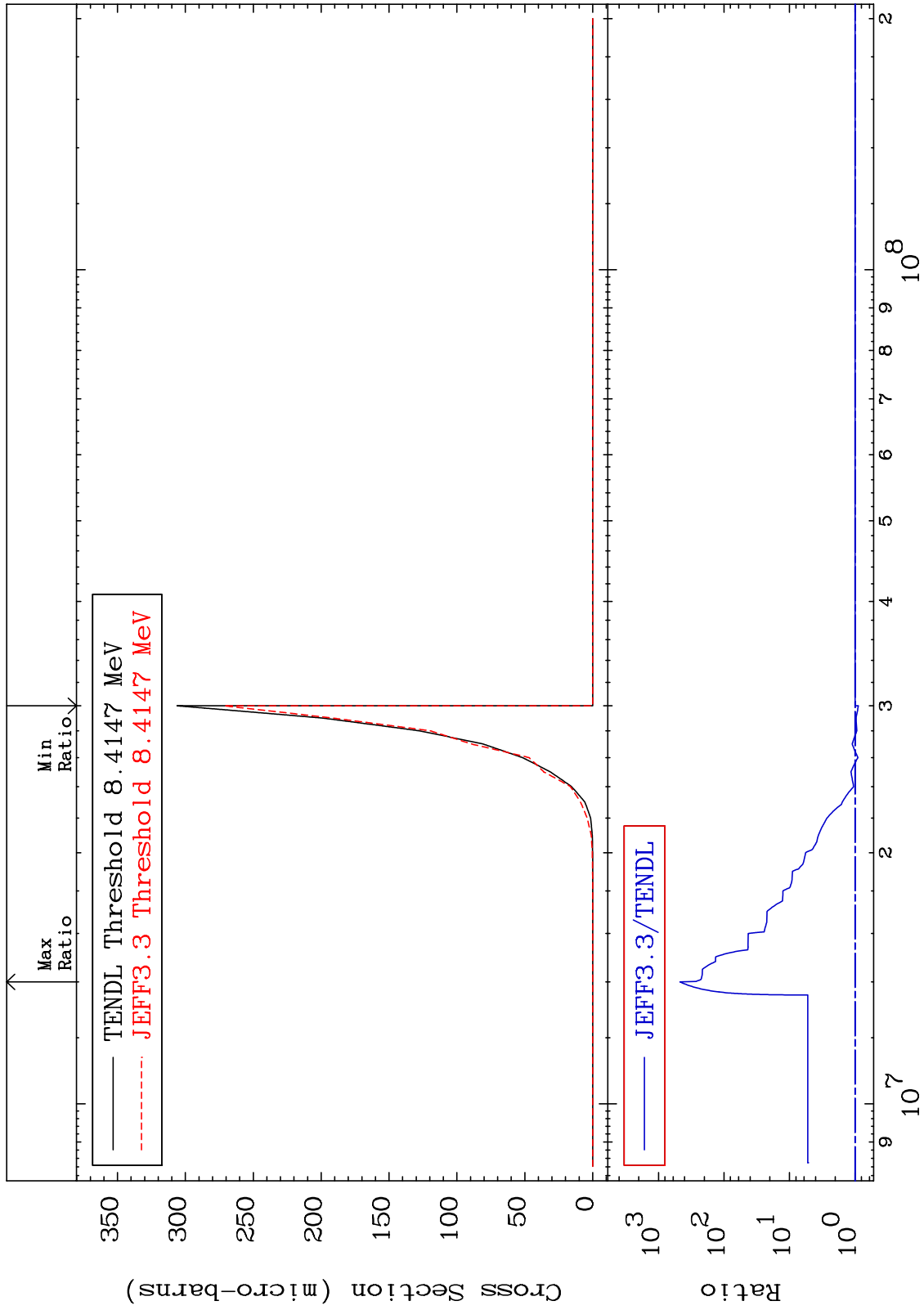
-99.96 To 480.1 %



MAT 4519

(n,n') p α
Cross Section

45-Rh-101
-11.23 To 9999. %



19

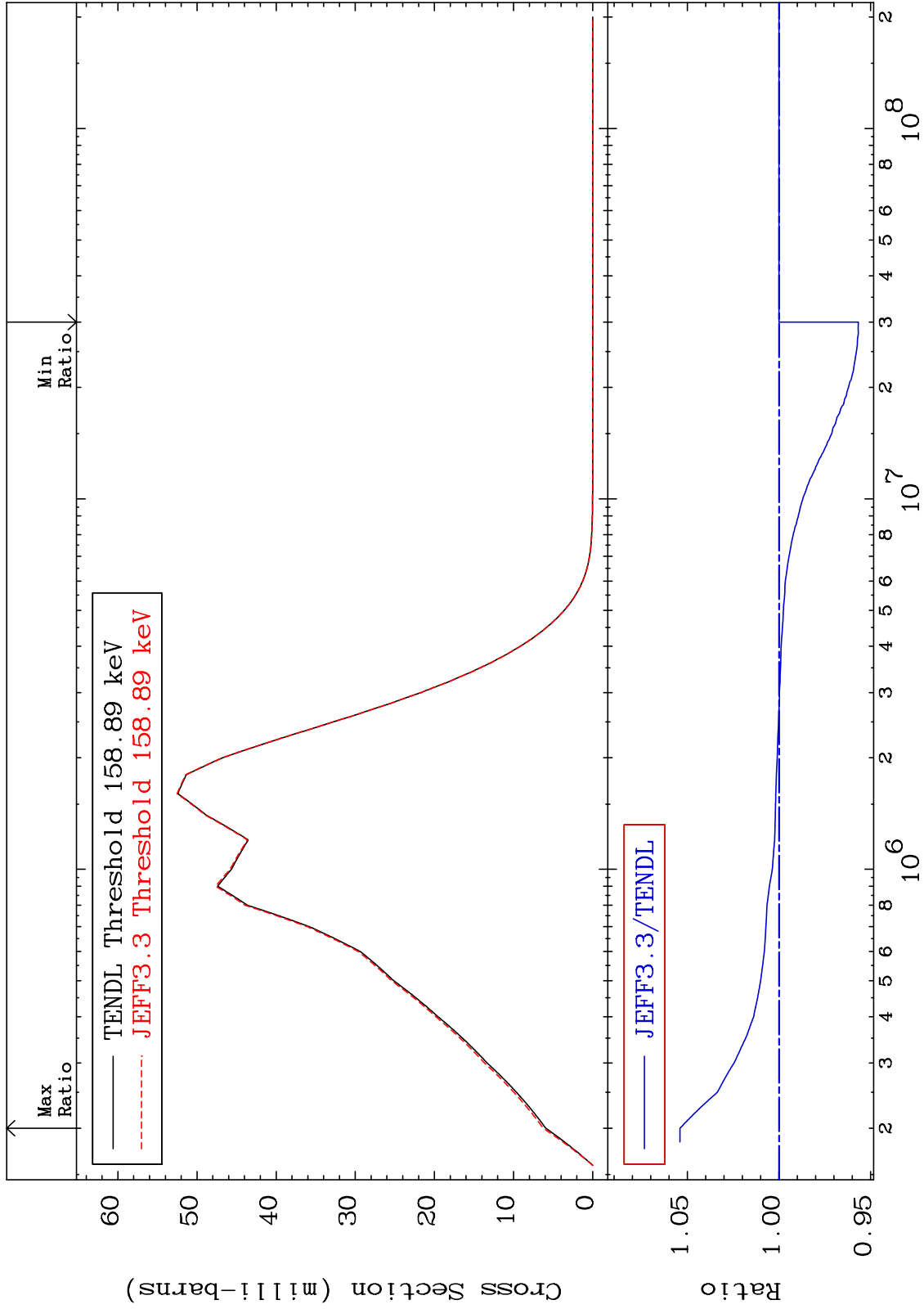
Incident Energy (eV)

45-Rh-101

MAT 4519

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

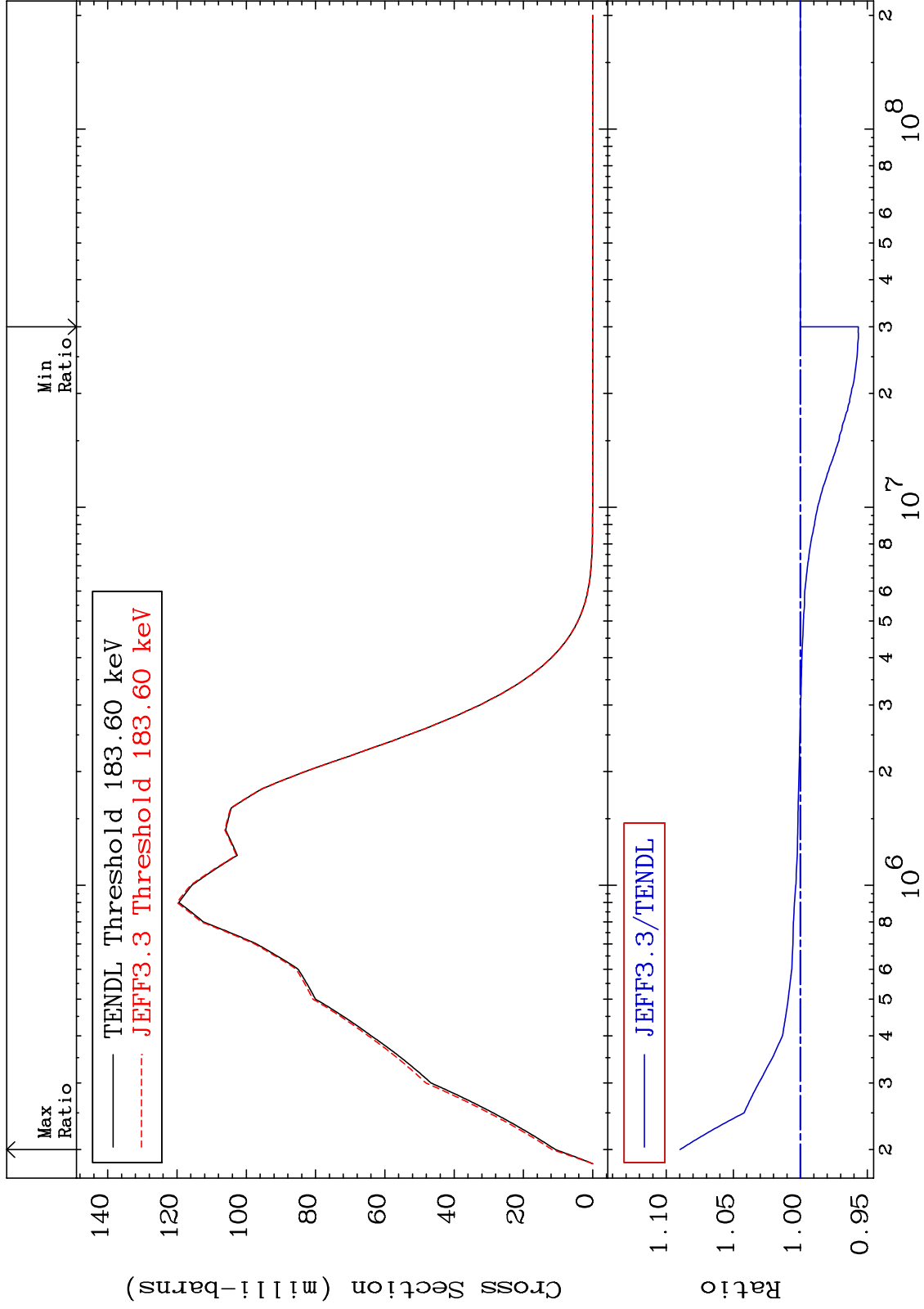
45-Rh-101
-4.331 To 5.406 %



MAT 4519

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

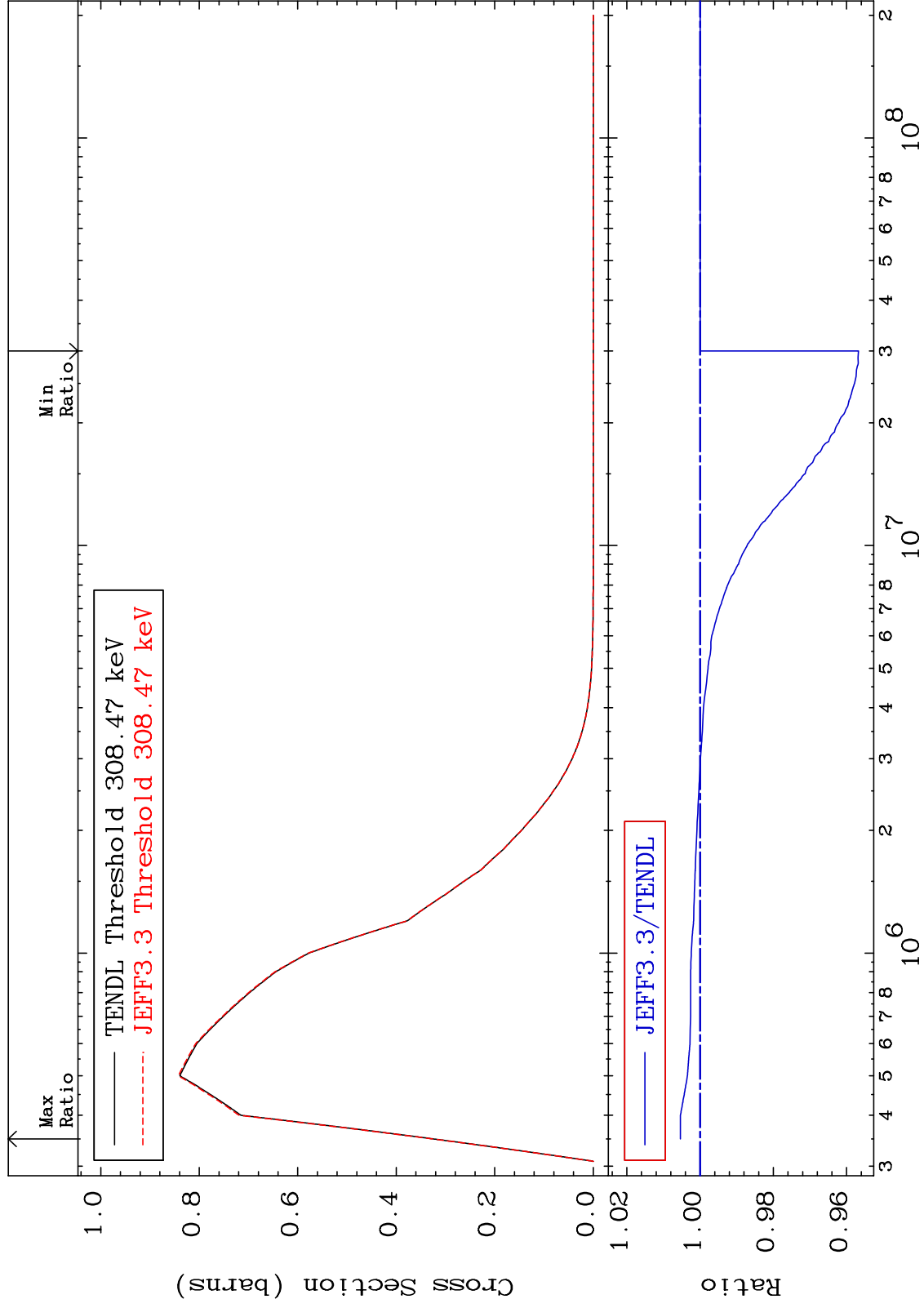
45-Rh-101
-4.329 To 8.976 %



MAT 4519

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

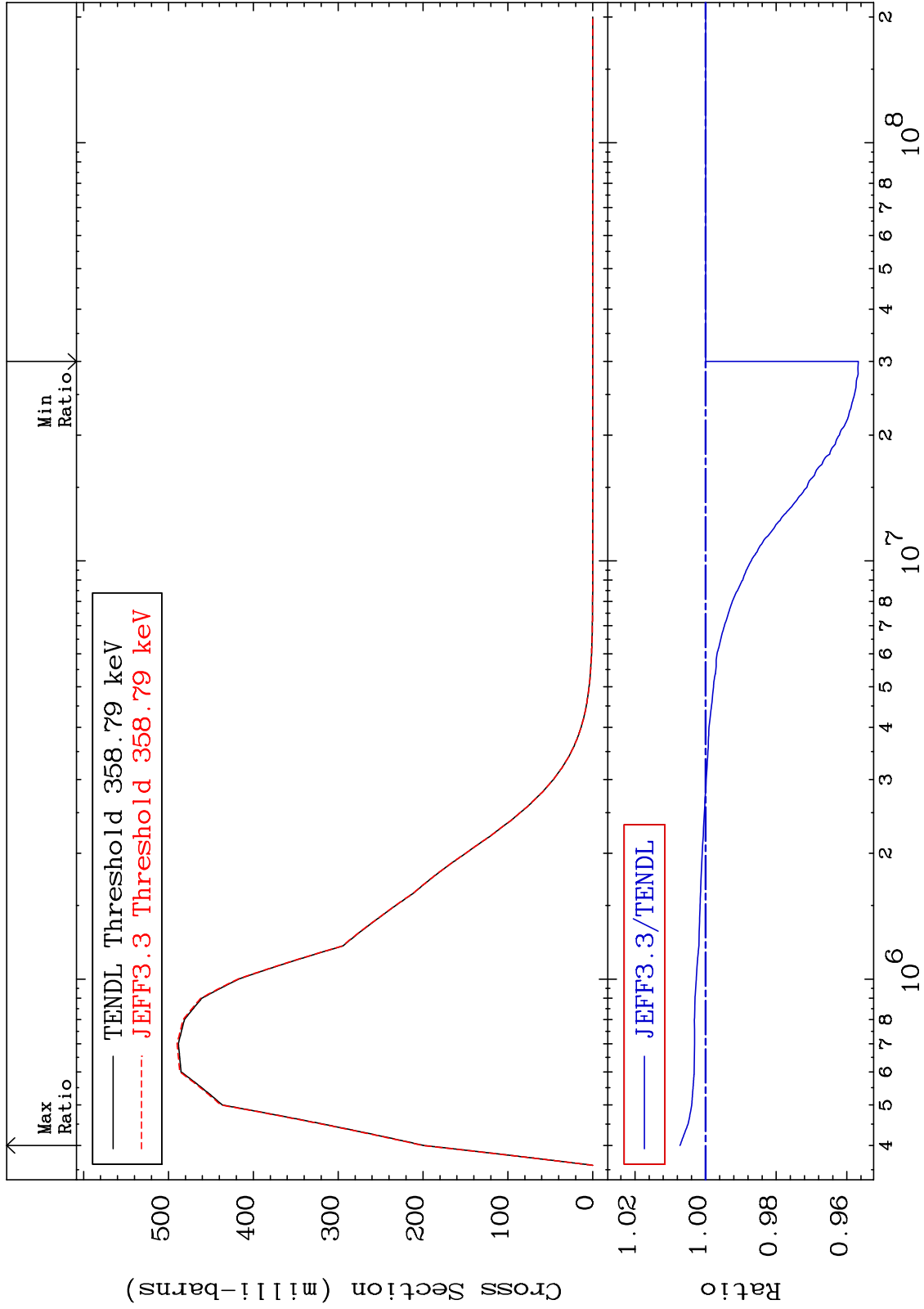
45-Rh-101
-4.326 To 0.536 %



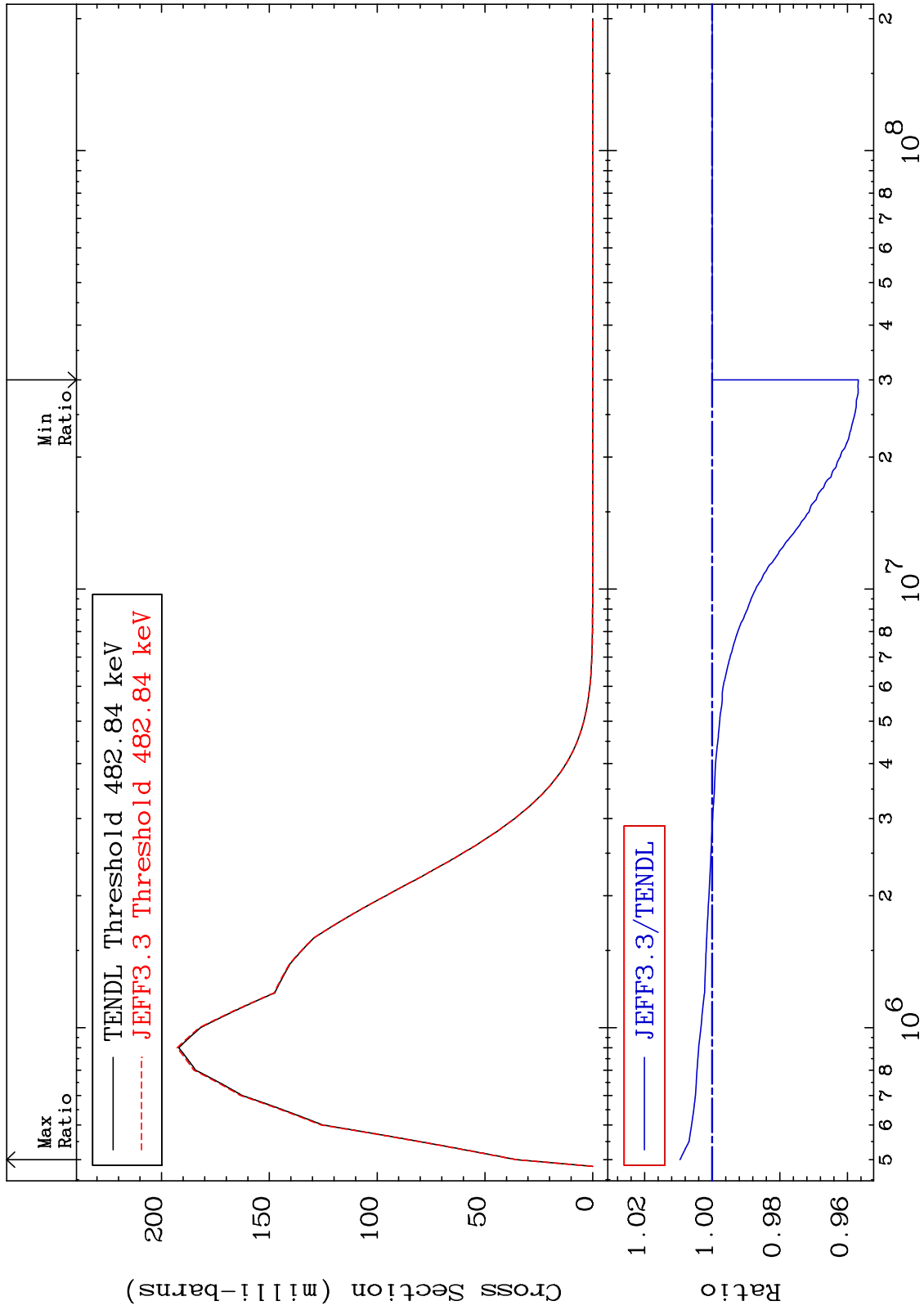
MAT 4519

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

45-Rh-101
-4.327 To 0.725 %



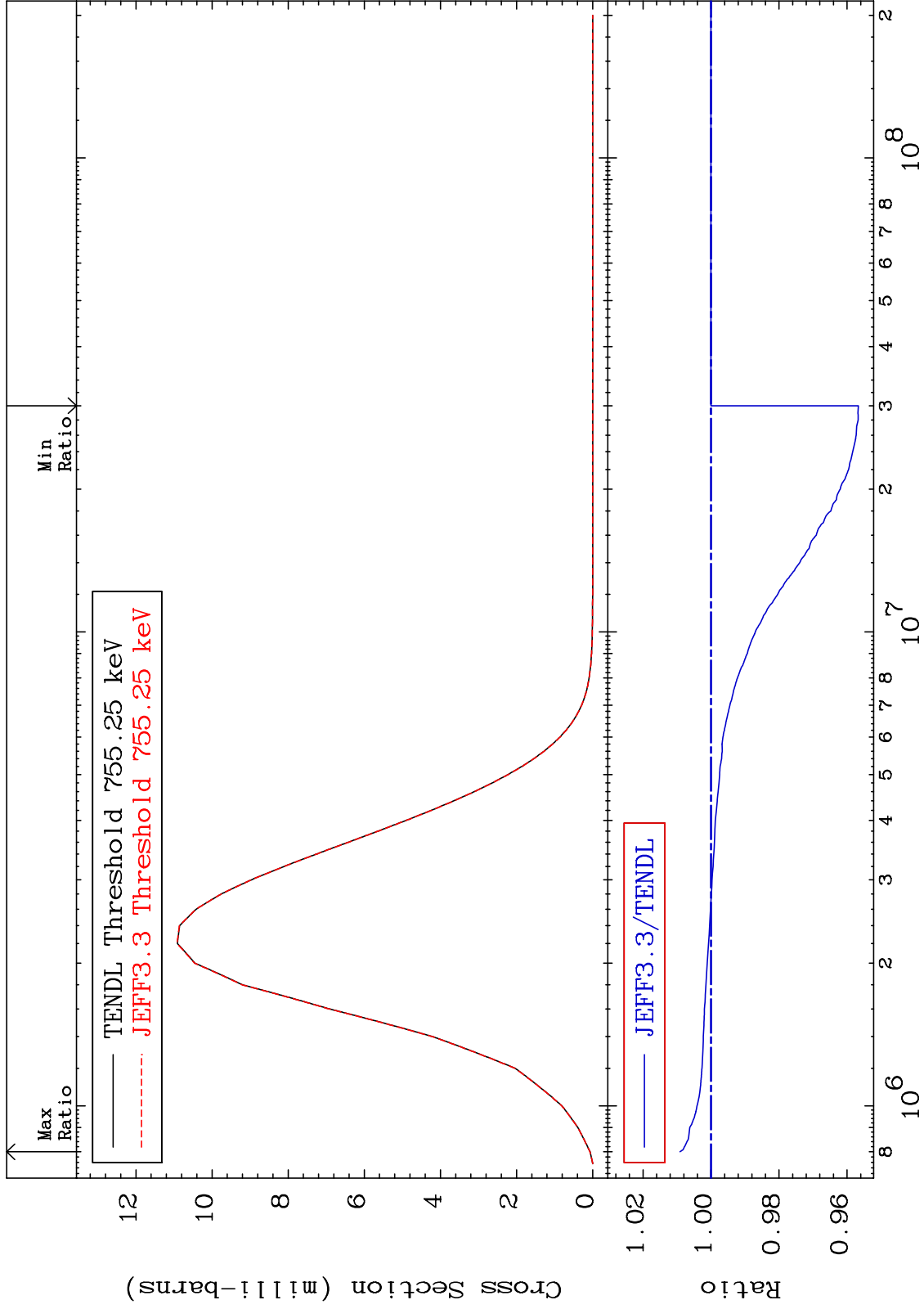
MAT 4519 MT= 55 (n,n') Level 45-Rh-101
 Cross Section -4.327 To 0.951 %



MAT 4519

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

45-Rh-101
-4.333 To 0.911 %



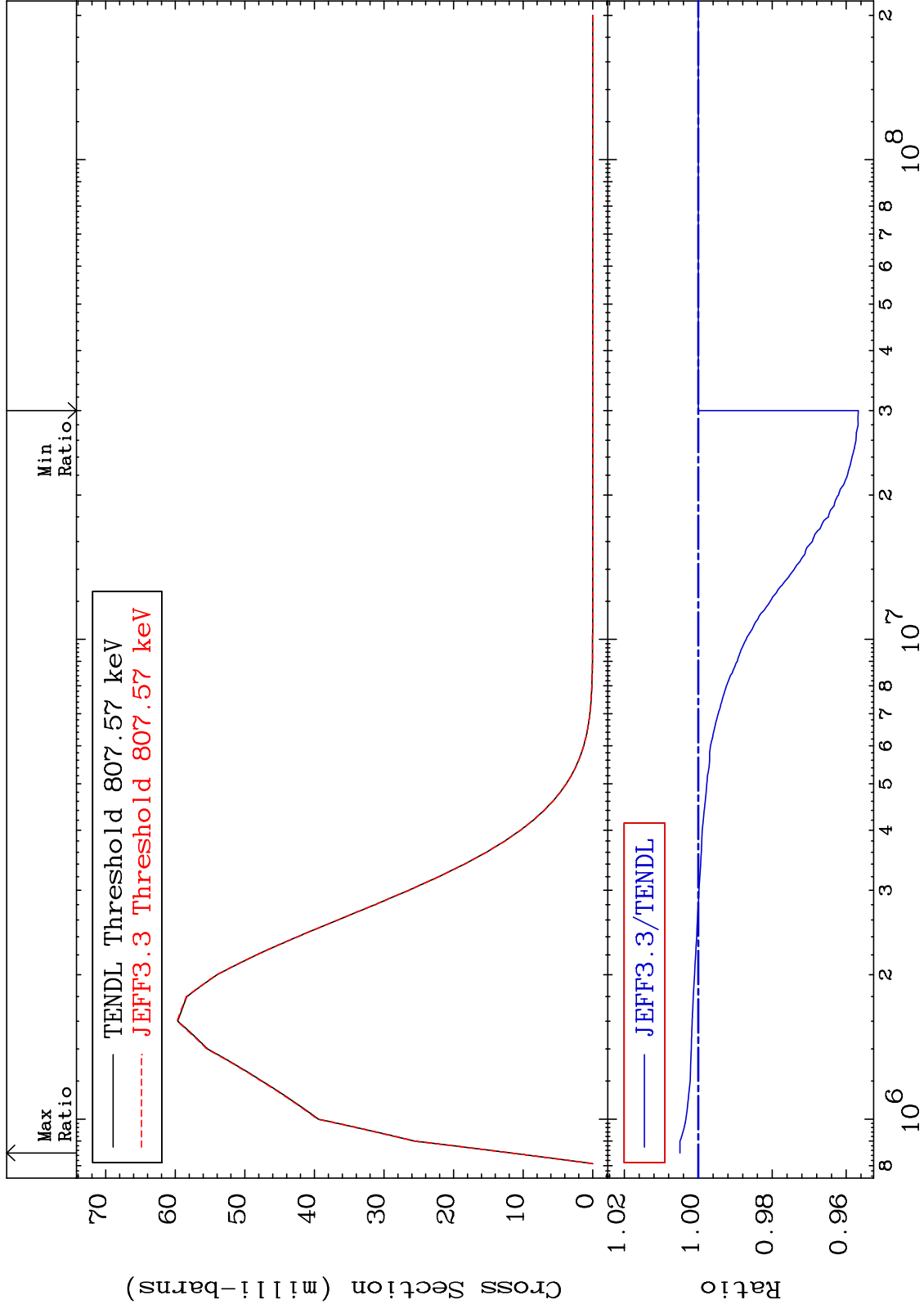
25

45-Rh-101

MAT 4519

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

45-Rh-101
-4.329 To 0.494 %



26

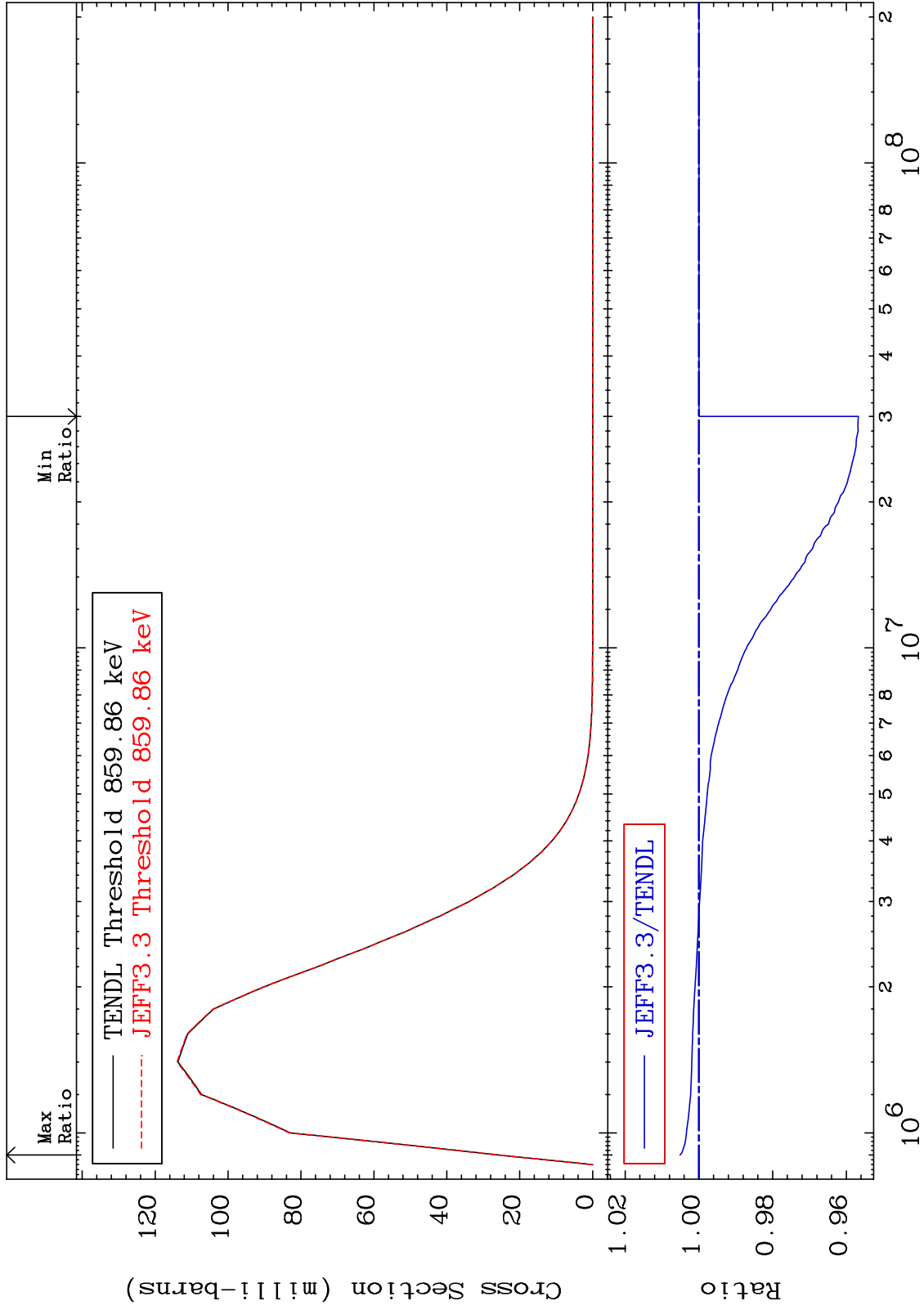
Incident Energy (eV)

45-Rh-101

MAT 4519

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

45-Rh-101
-4.329 To 0.512 %



27

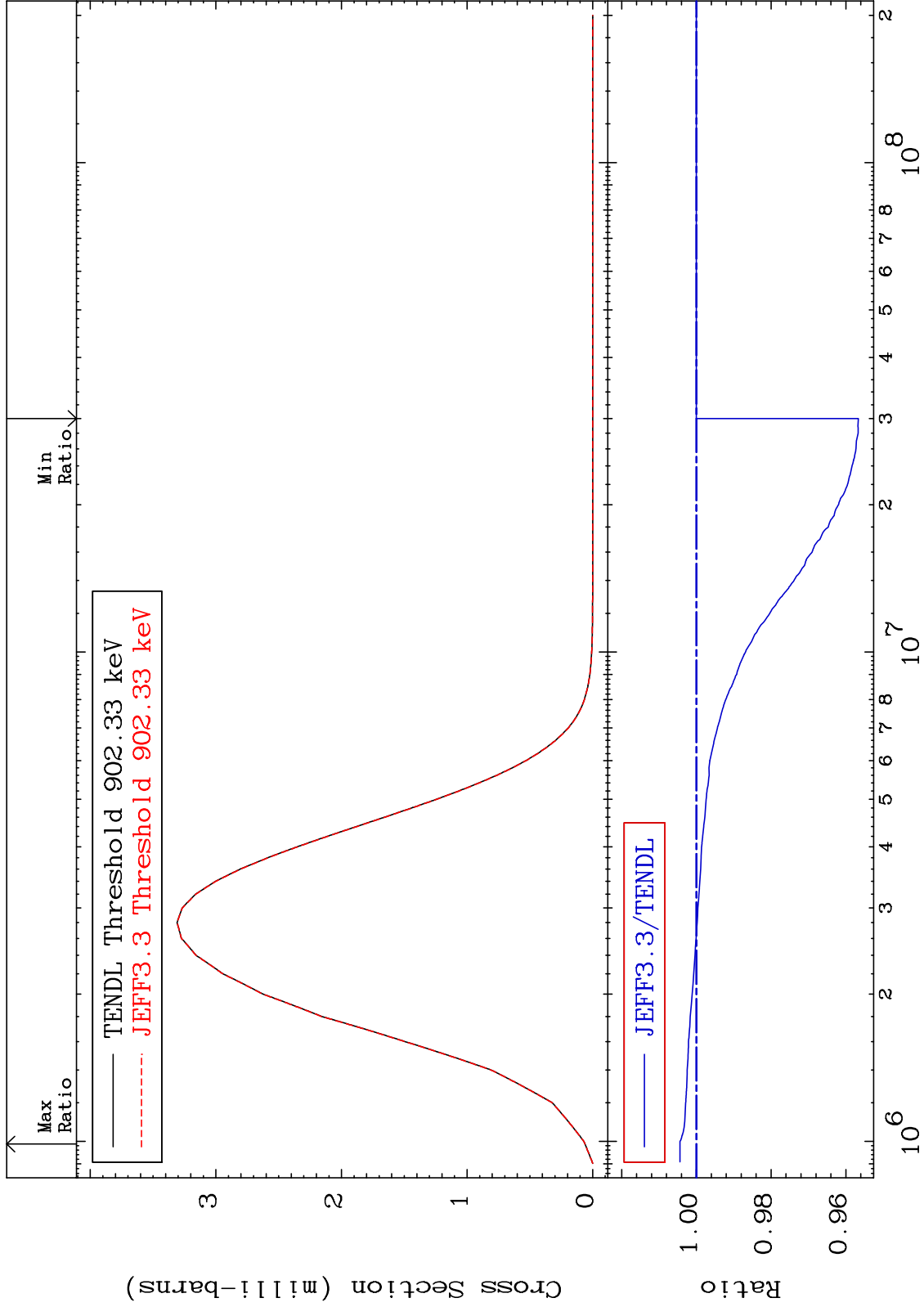
Incident Energy (eV)

45-Rh-101

MAT 4519

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

45-Rh-101
-4.336 To 0.437 %



28

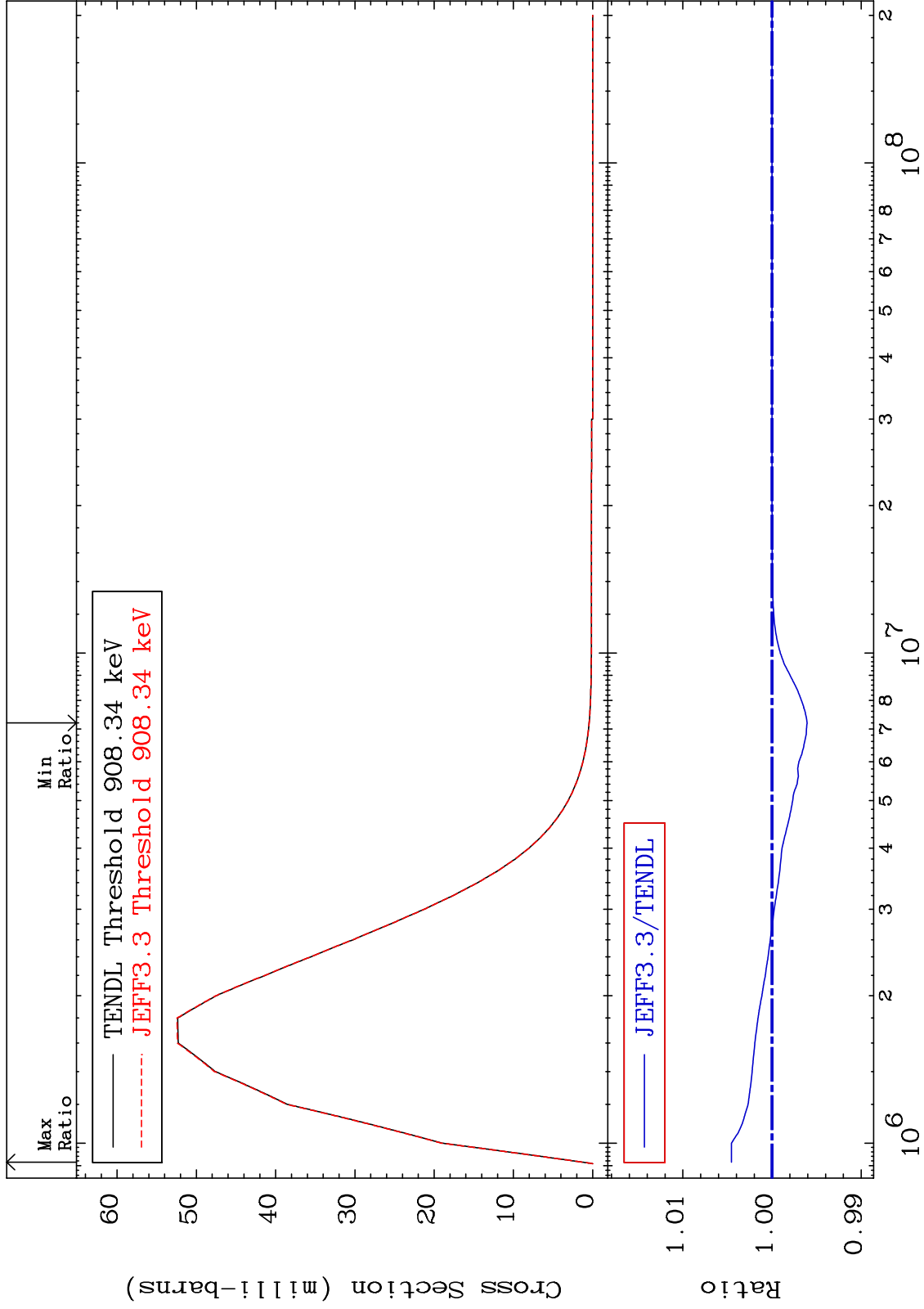
Incident Energy (eV)

45-Rh-101

MAT 4519

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

45-Rh-101
-0.393 To 0.457 %



29

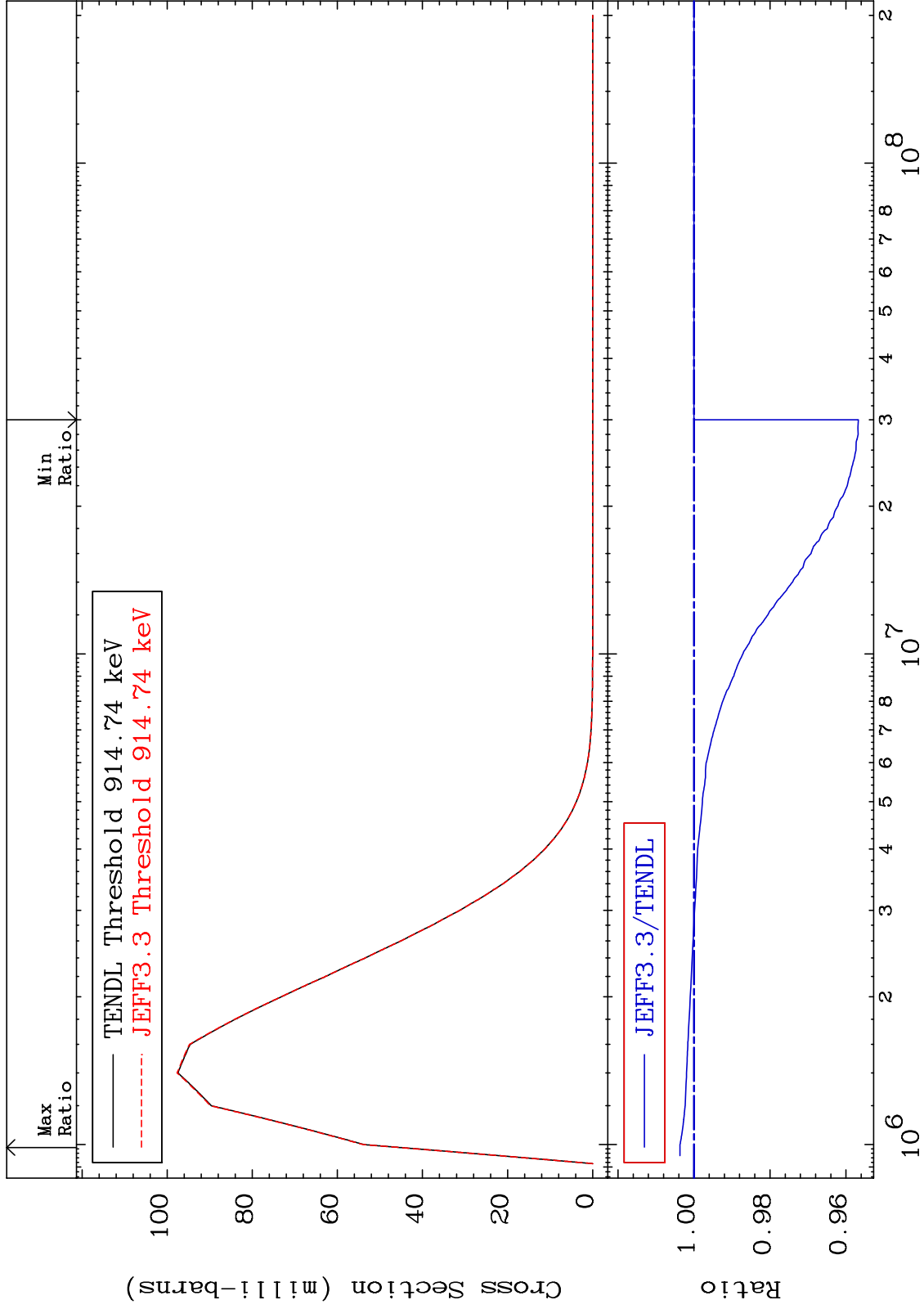
Incident Energy (eV)

45-Rh-101

MAT 4519

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

45-Rh-101
-4.327 To 0.367 %



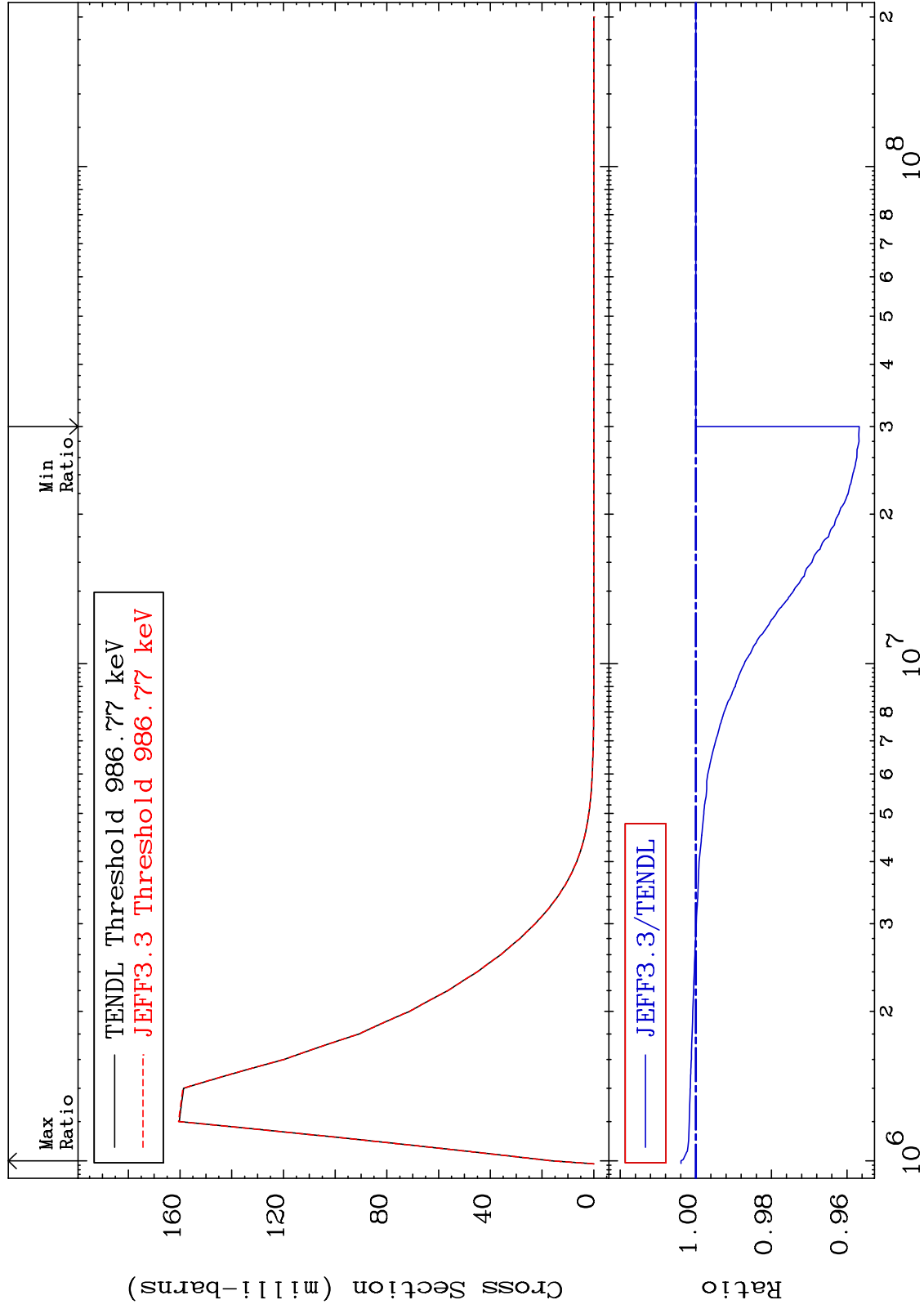
45-Rh-101

30

MAT 4519

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

45-Rh-101
-4.325 To 0.391 %



31

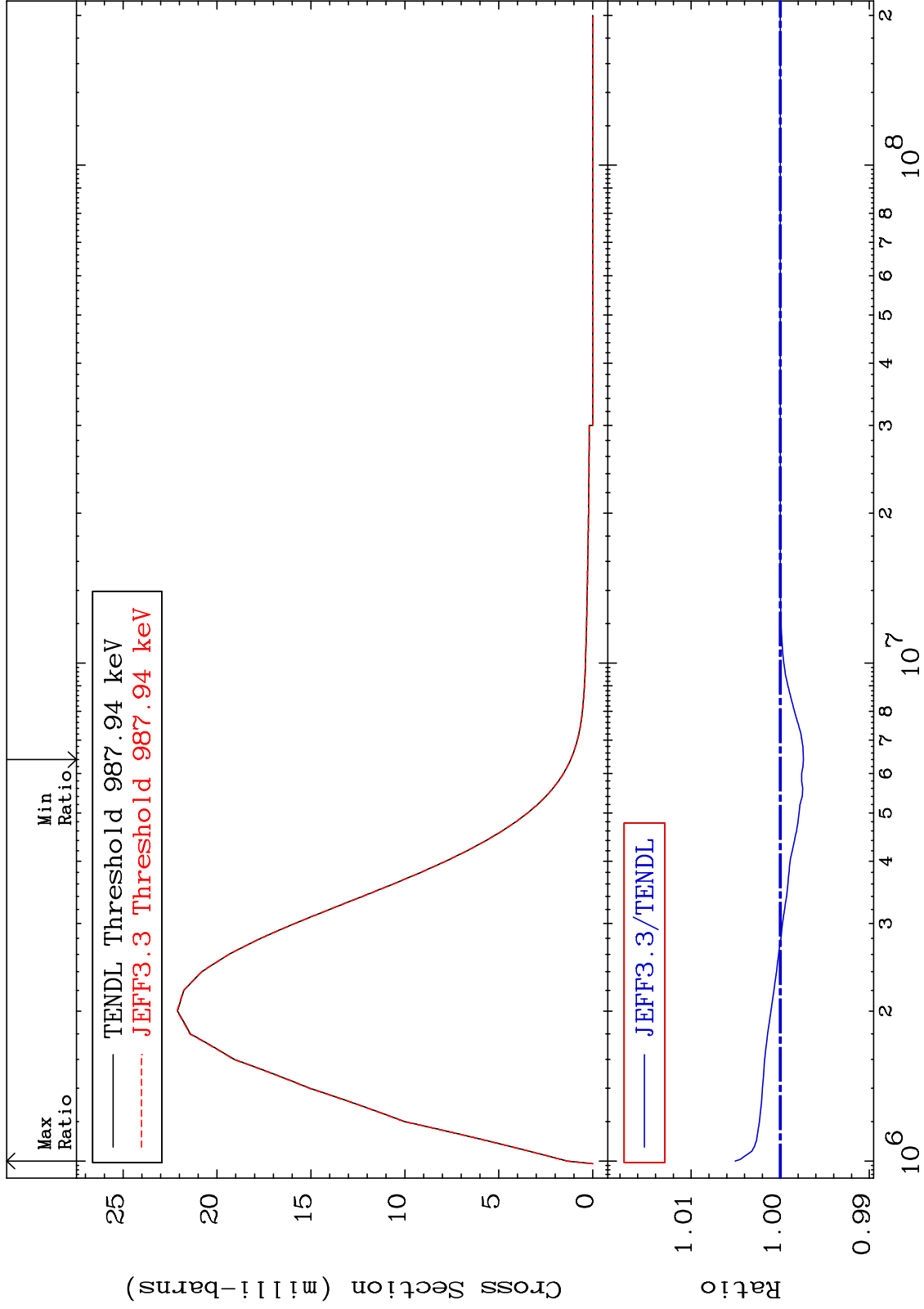
Incident Energy (eV)

45-Rh-101

MAT 4519

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

45-Rh-101
-0.259 To 0.506 %



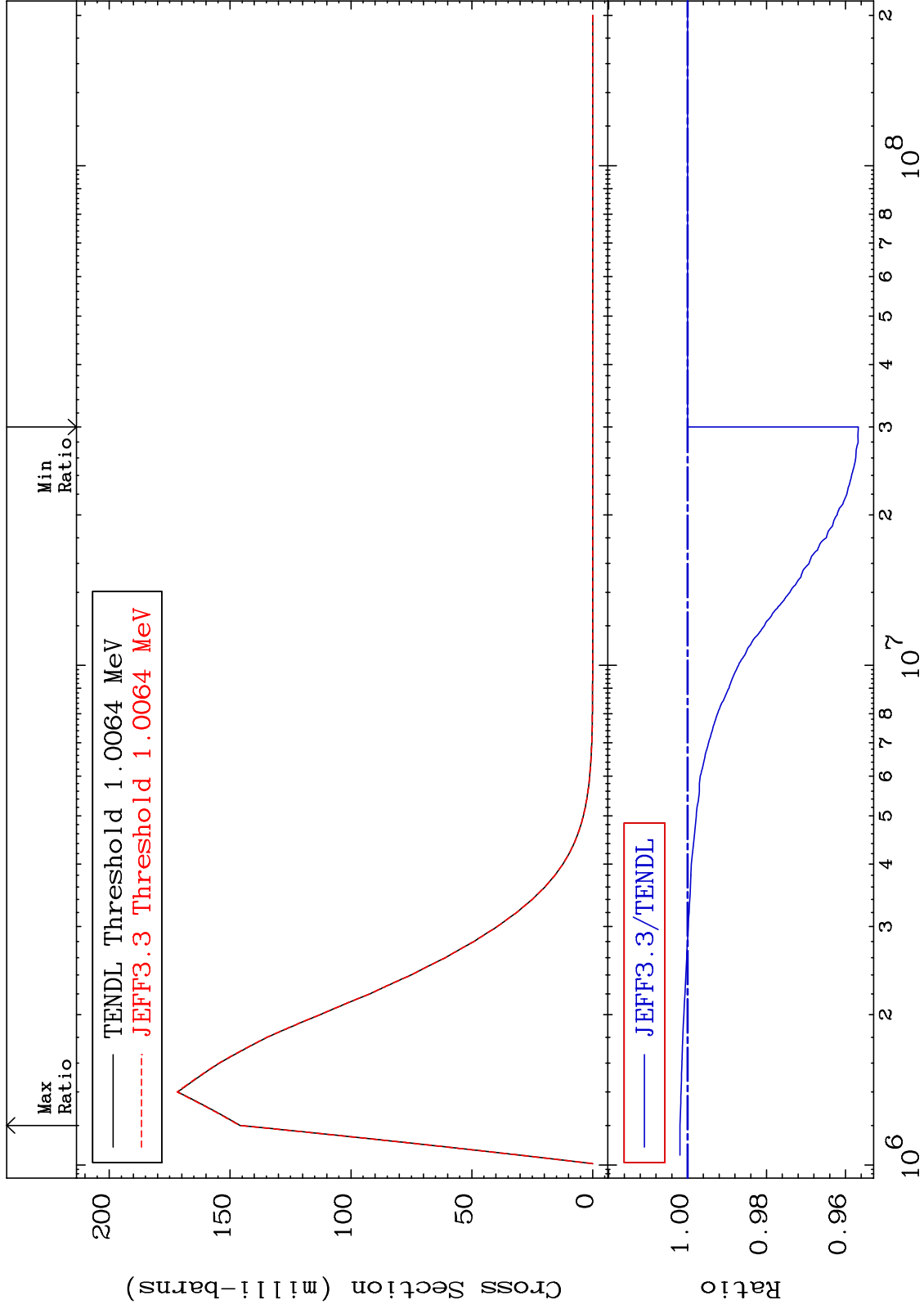
32

45-Rh-101

MAT 4519

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

45-Rh-101
-4.327 To 0.191 %



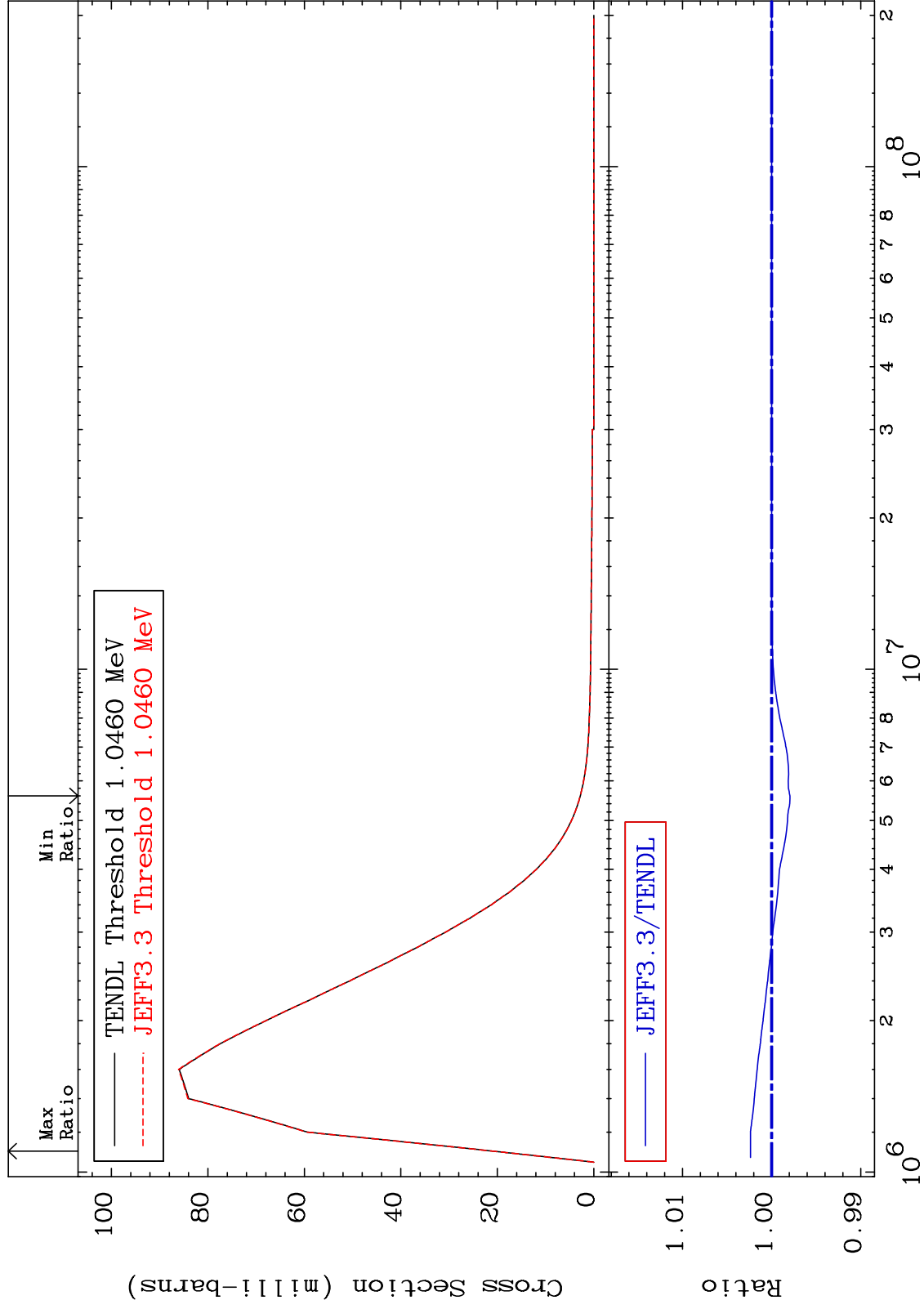
33

45-Rh-101

MAT 4519

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

45-Rh-101
-0.206 To 0.237 %



34

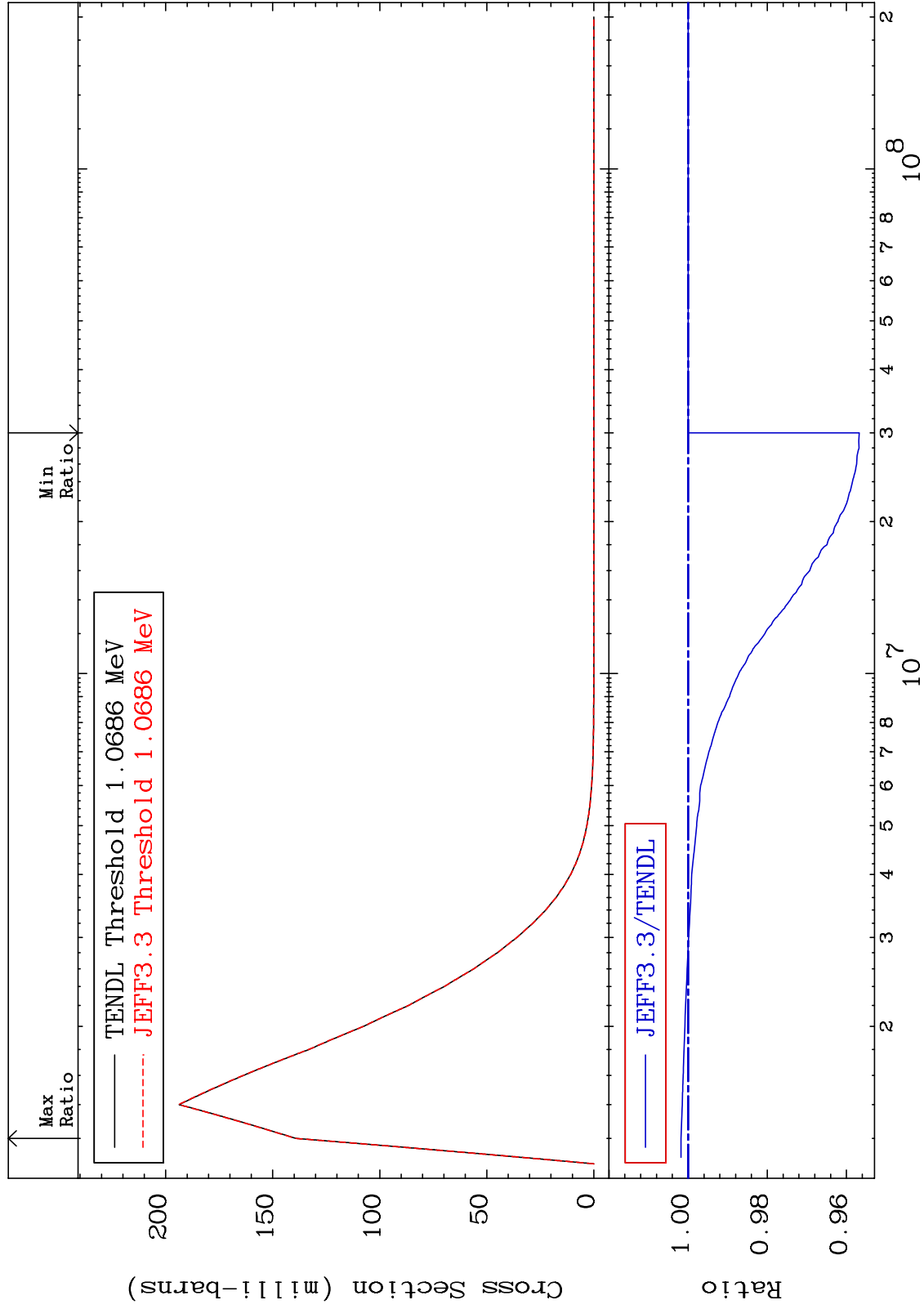
Incident Energy (eV)

45-Rh-101

MAT 4519

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

45-Rh-101
-4.325 To 0.179 %



35

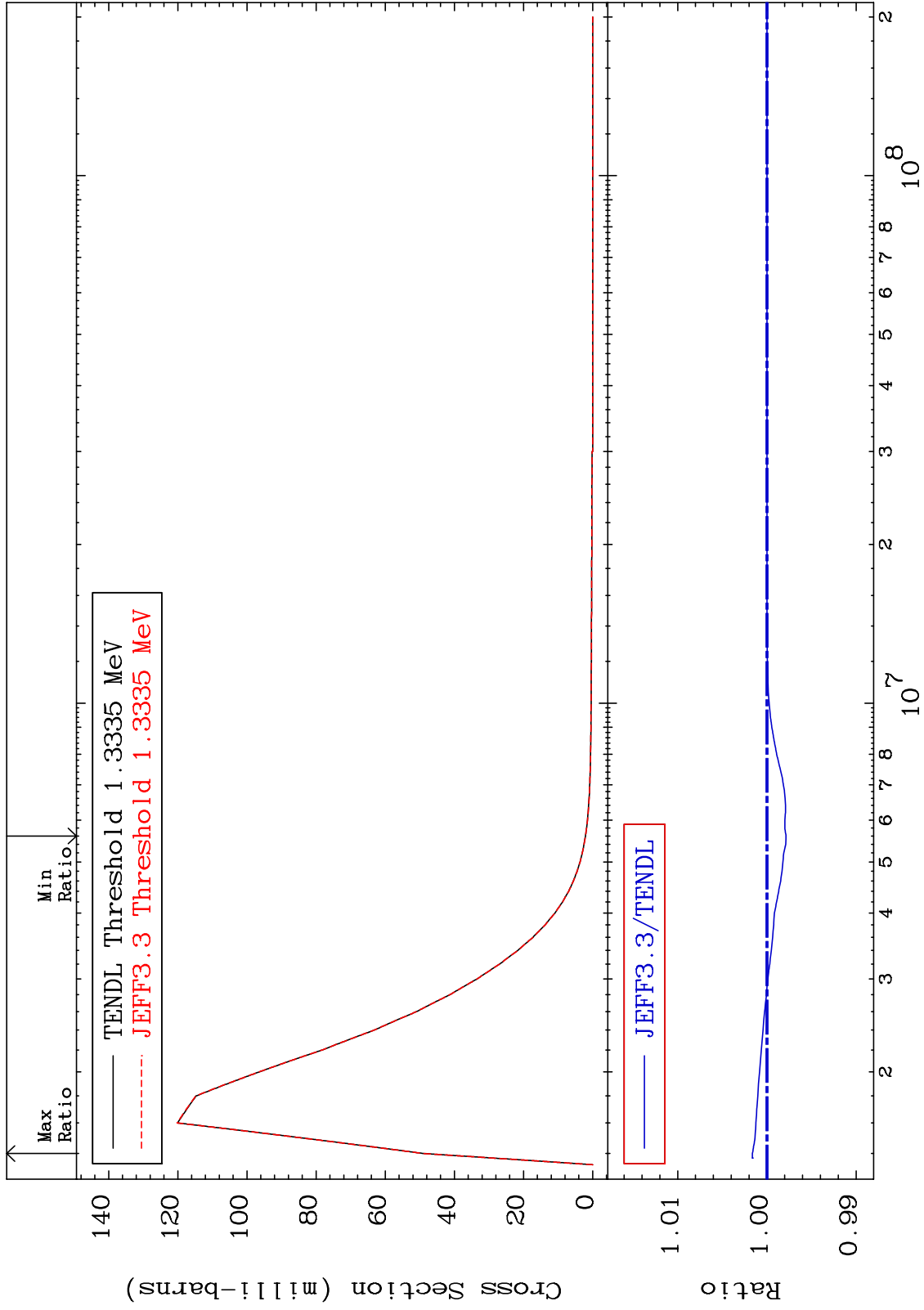
Incident Energy (eV)

45-Rh-101

MAT 4519

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

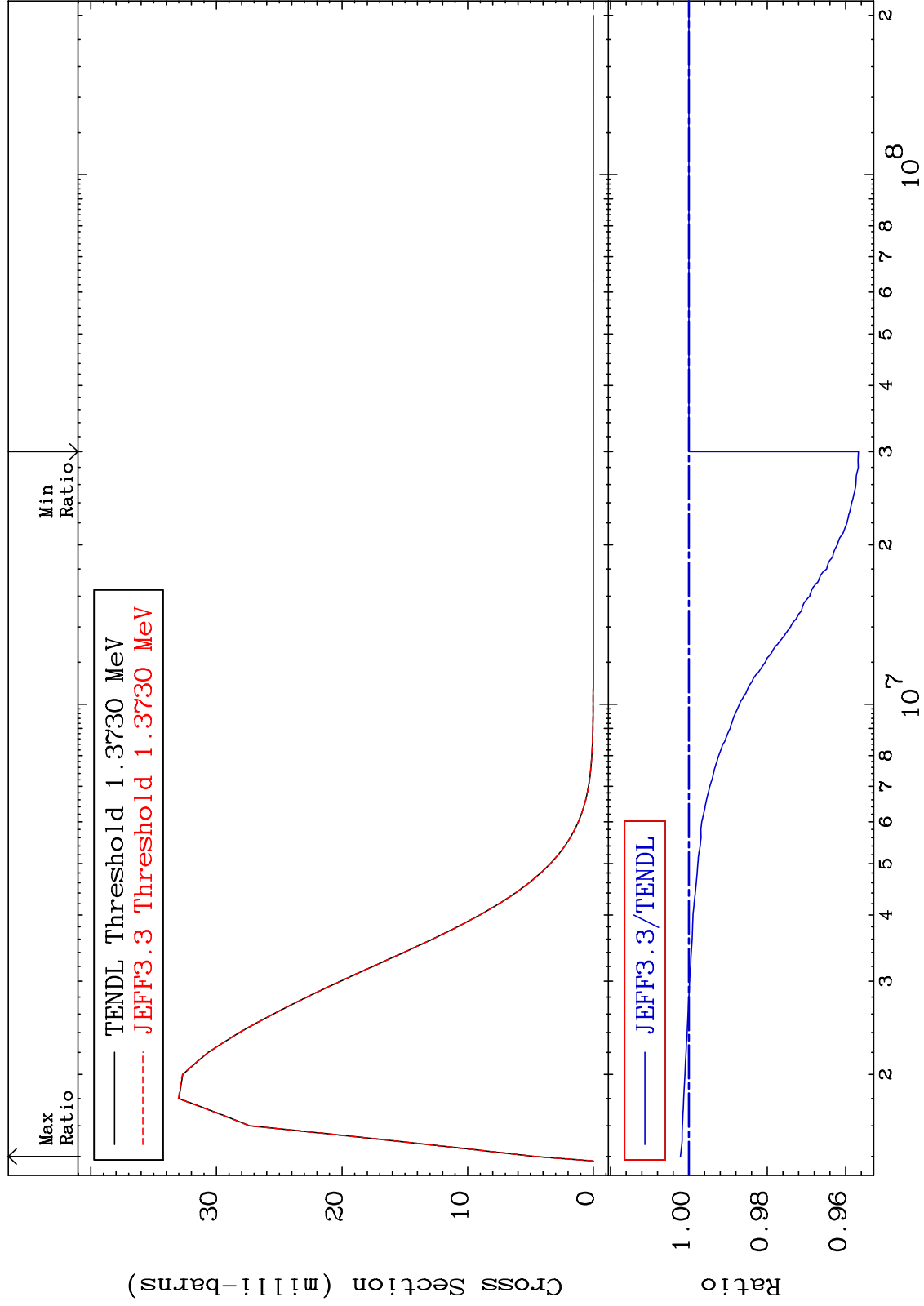
45-Rh-101
-0.214 To 0.162 %



MAT 4519

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

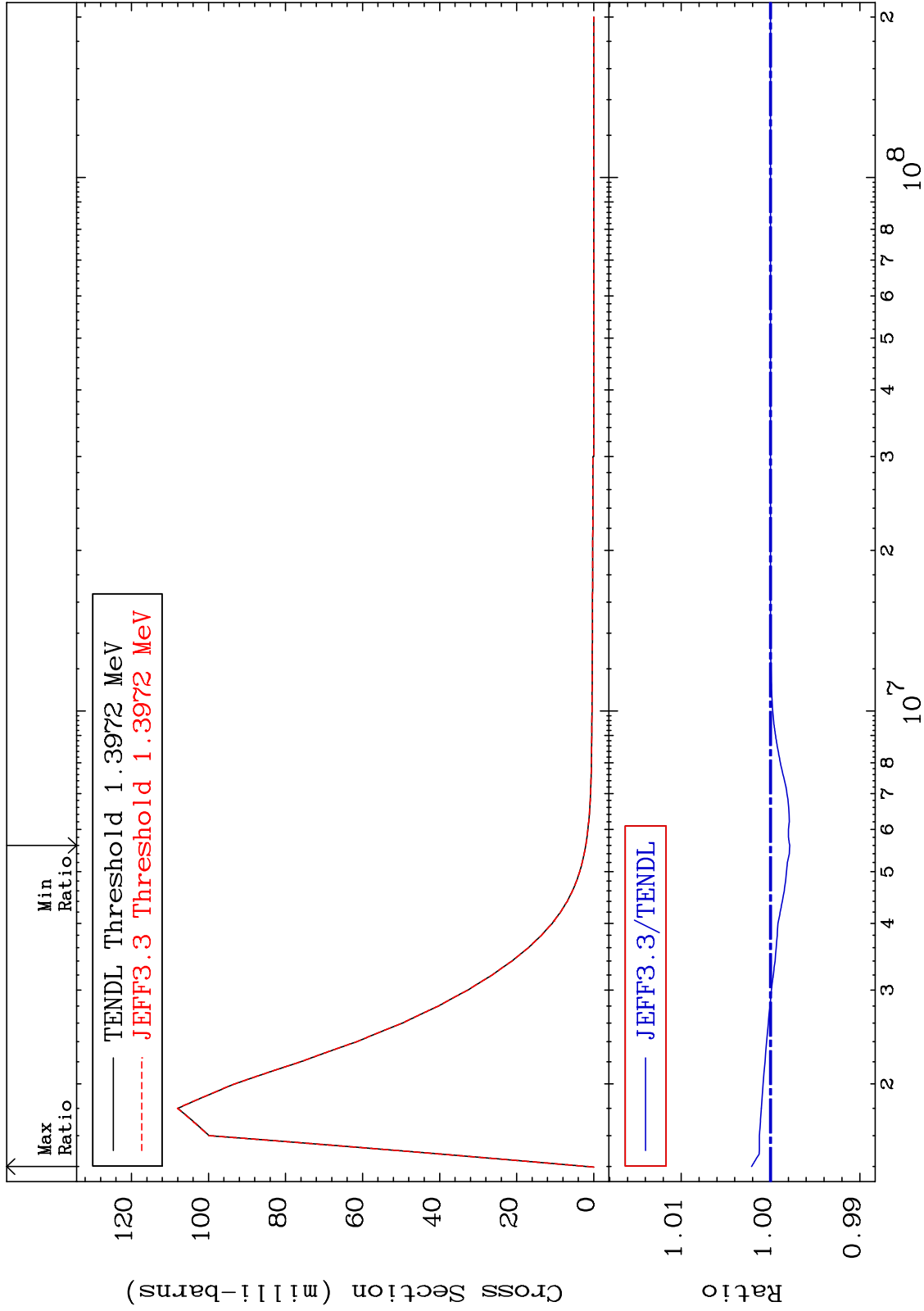
45-Rh-101
-4.329 To 0.214 %



MAT 4519

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

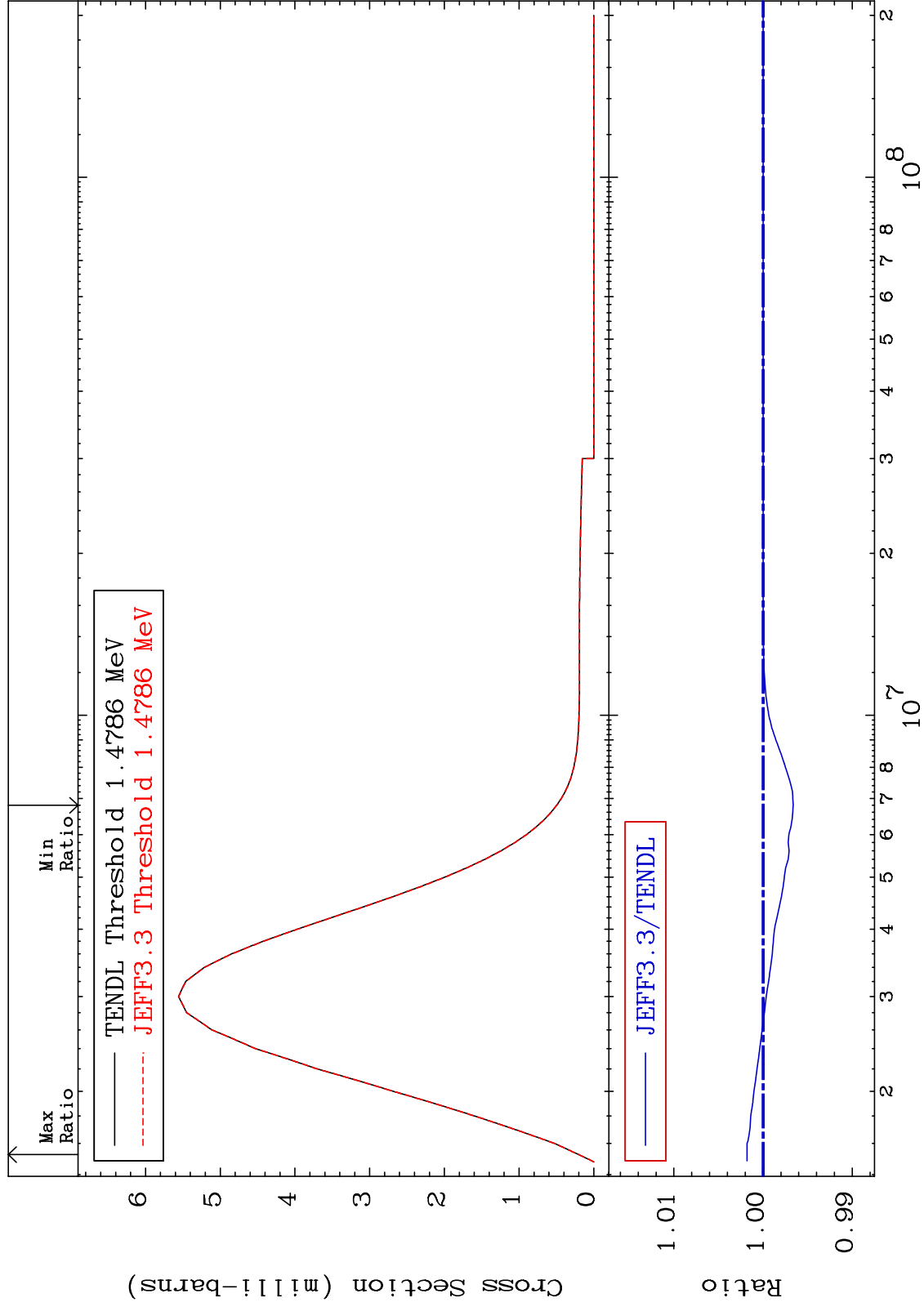
45-Rh-101
-0.215 To 0.213 %



MAT 4519

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

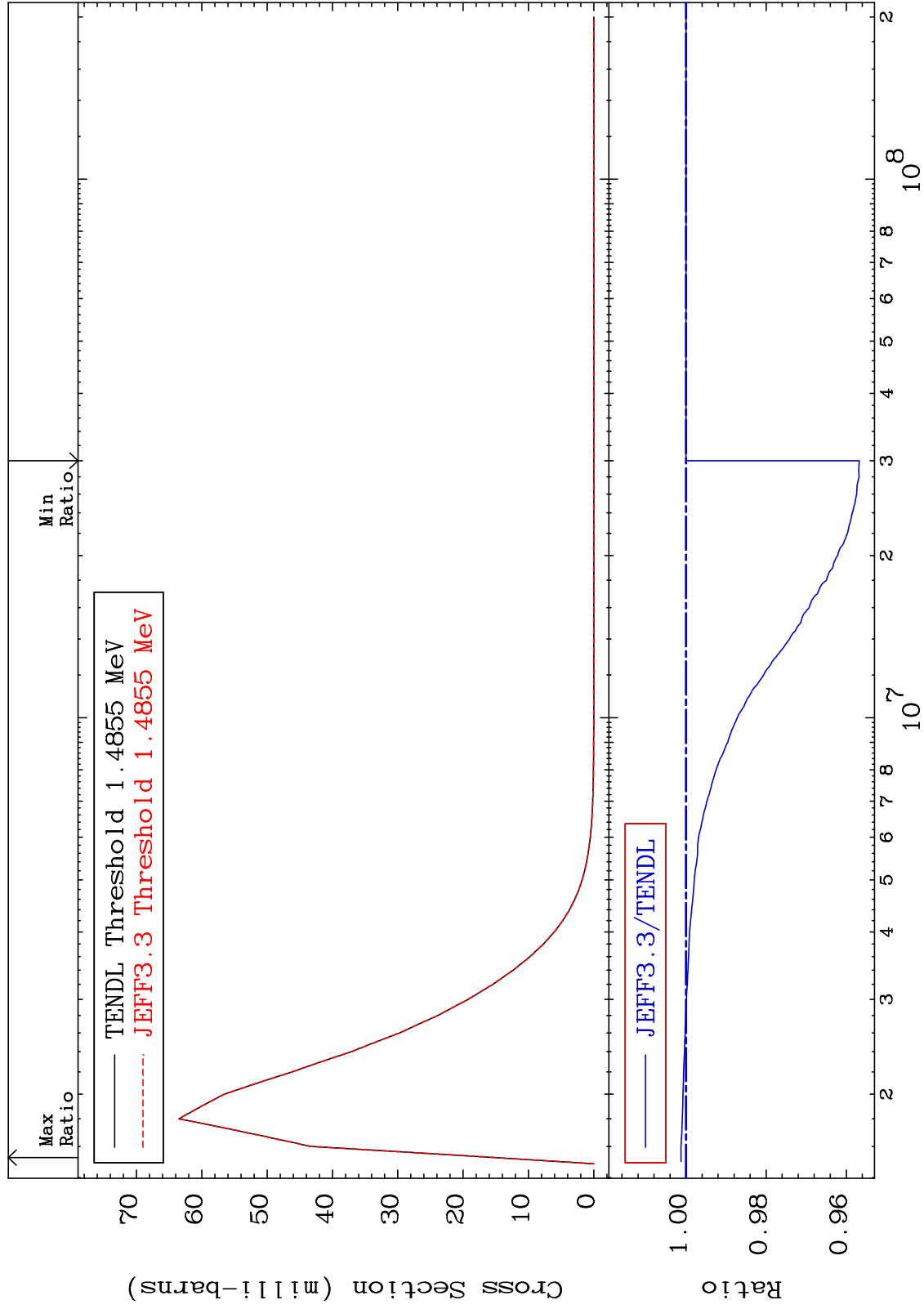
45-Rh-101
-0.338 To 0.179 %



MAT 4519

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

45-Rh-101
-4.325 To 0.125 %



40

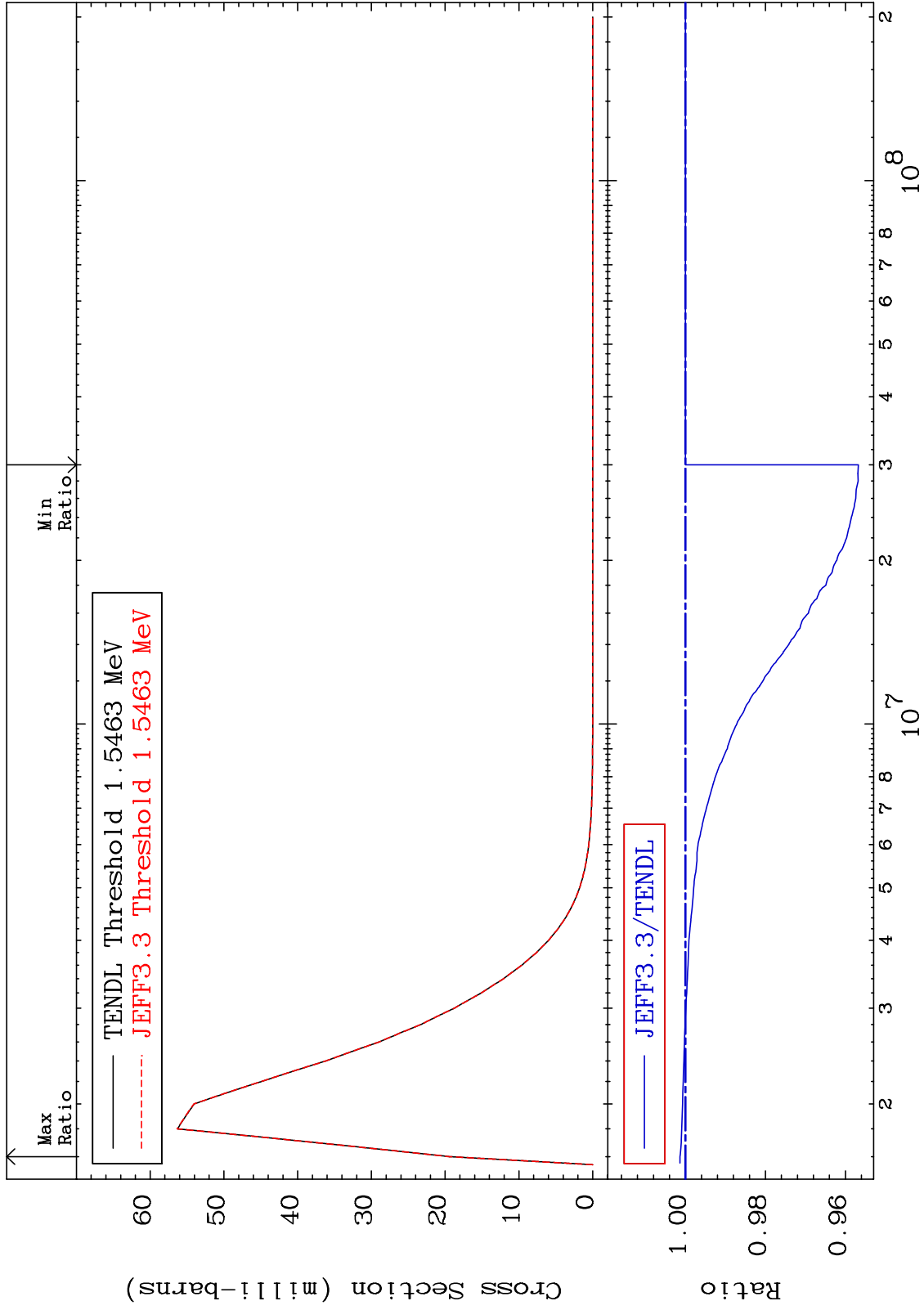
Incident Energy (eV)

45-Rh-101

MAT 4519

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

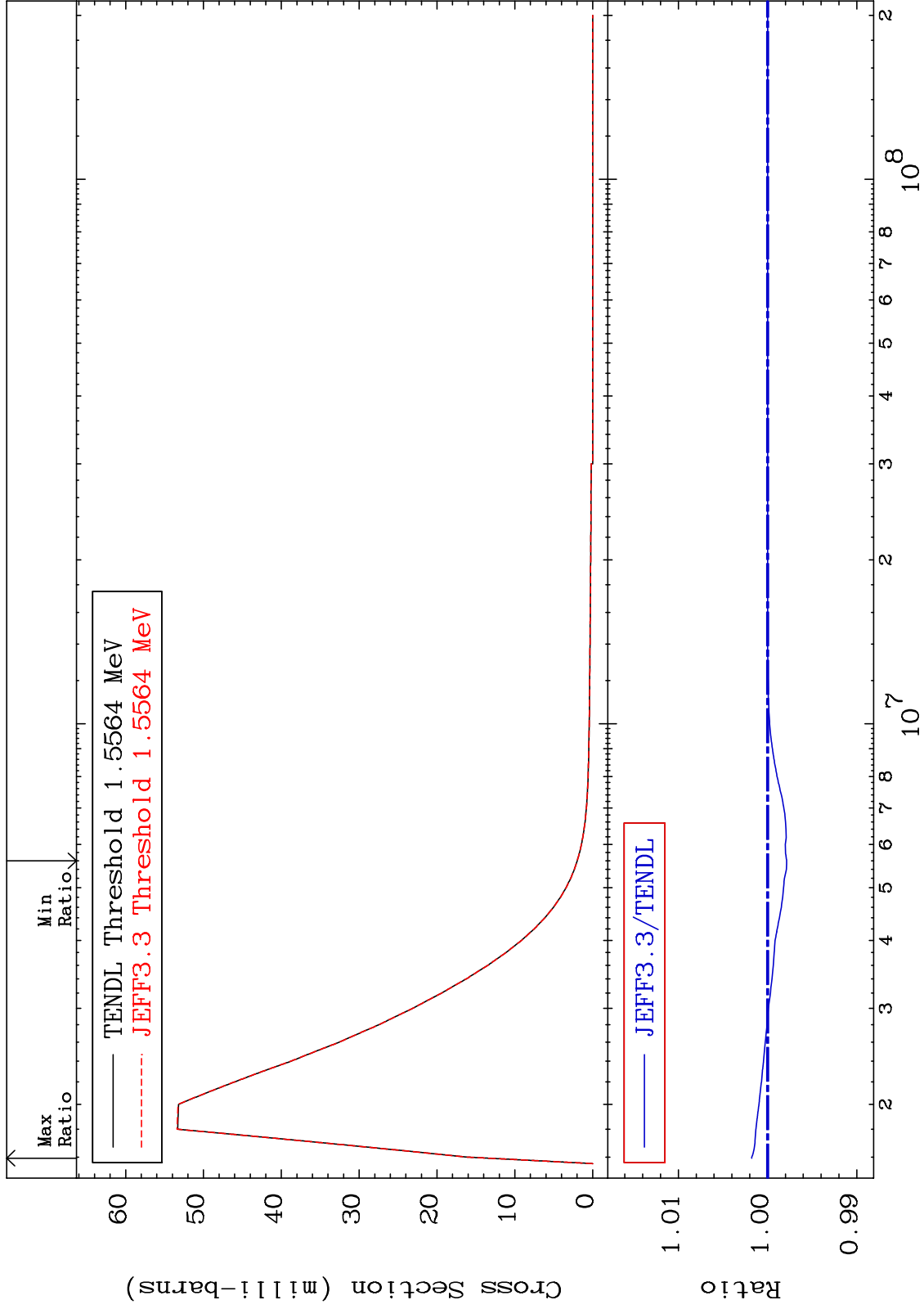
45-Rh-101
-4.325 To 0.136 %



MAT 4519

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

45-Rh-101
-0.214 To 0.177 %



42

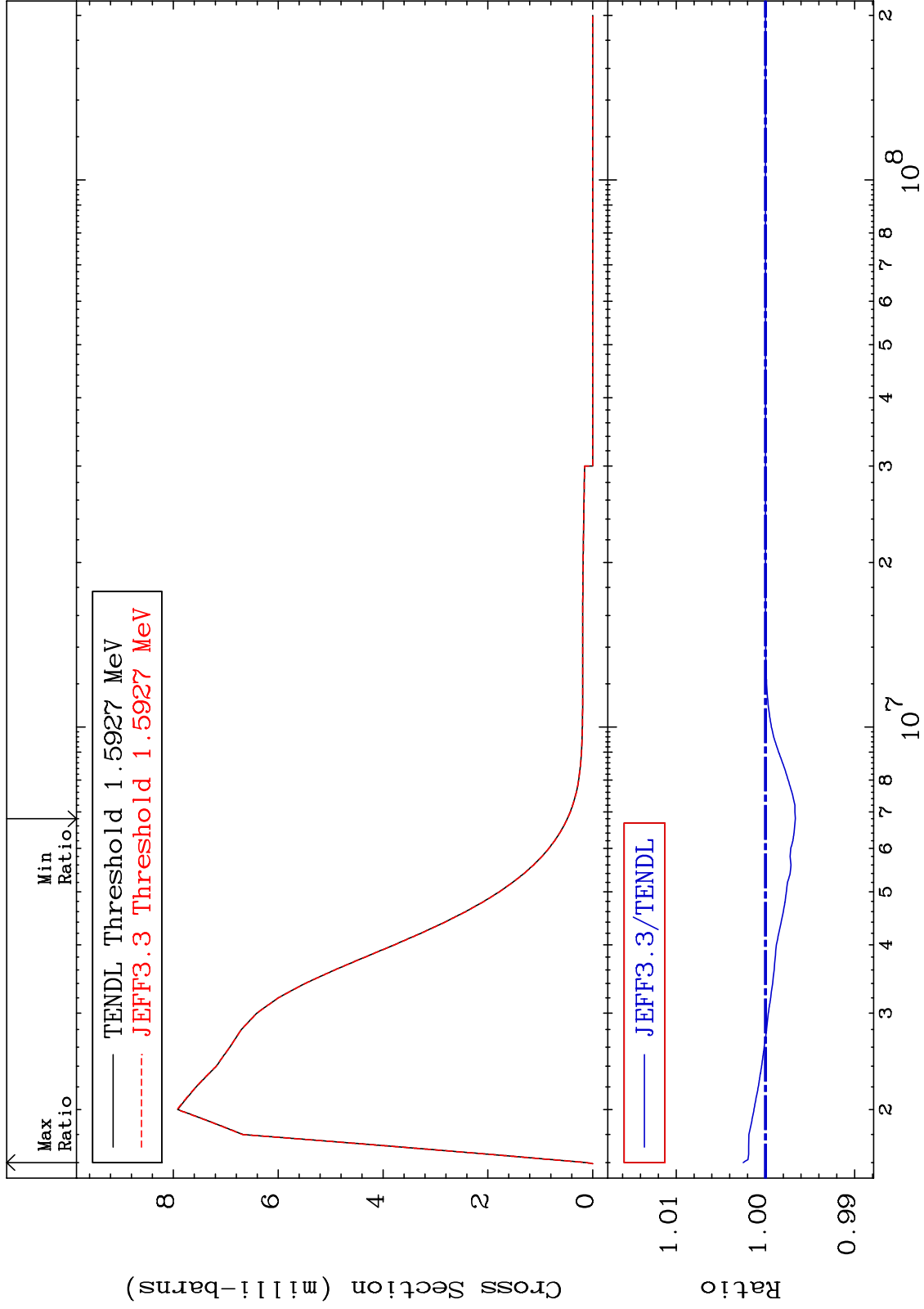
Incident Energy (eV)

45-Rh-101

MAT 4519

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

45-Rh-101
-0.335 To 0.250 %



43

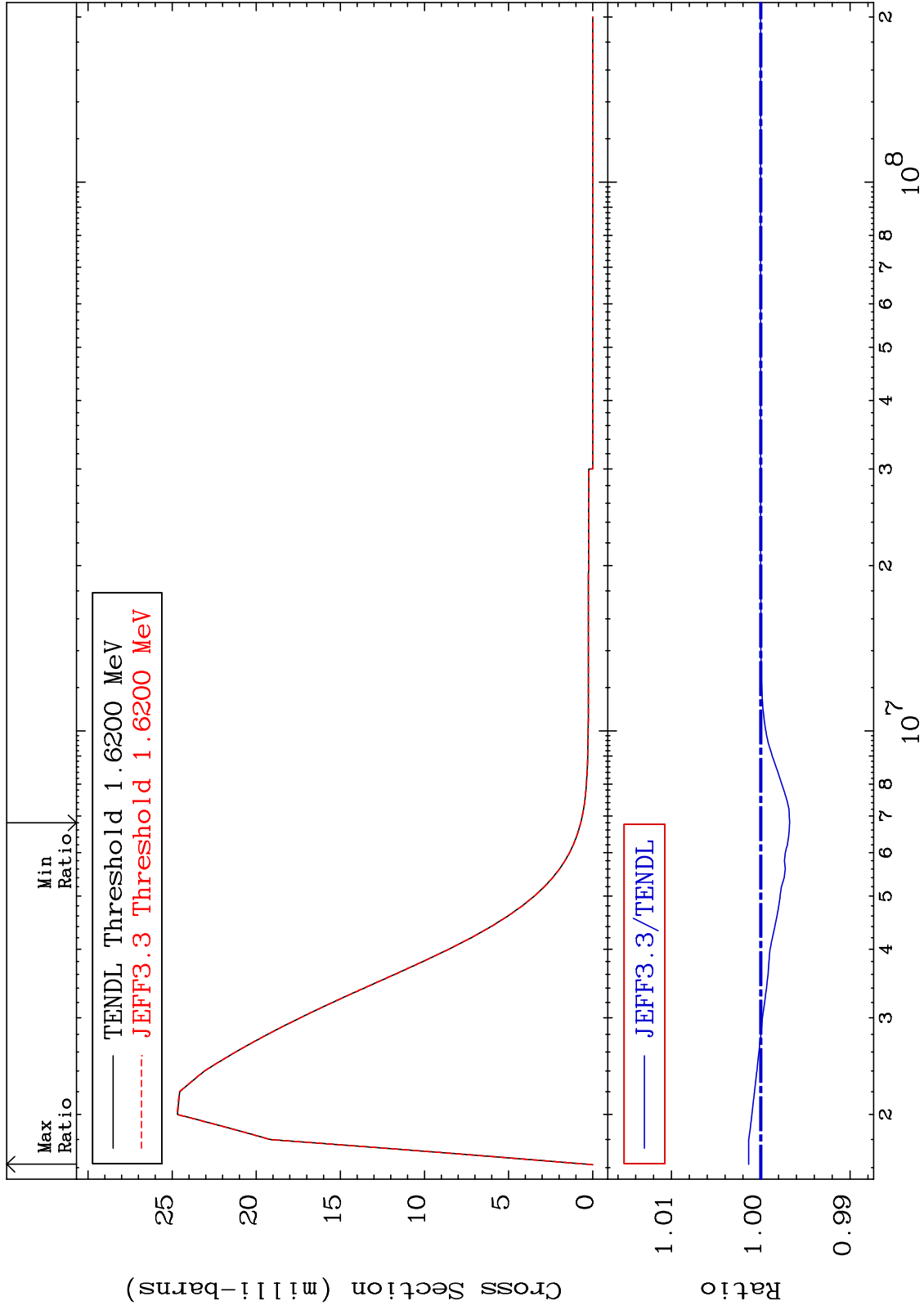
Incident Energy (eV)

45-Rh-101

MAT 4519

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

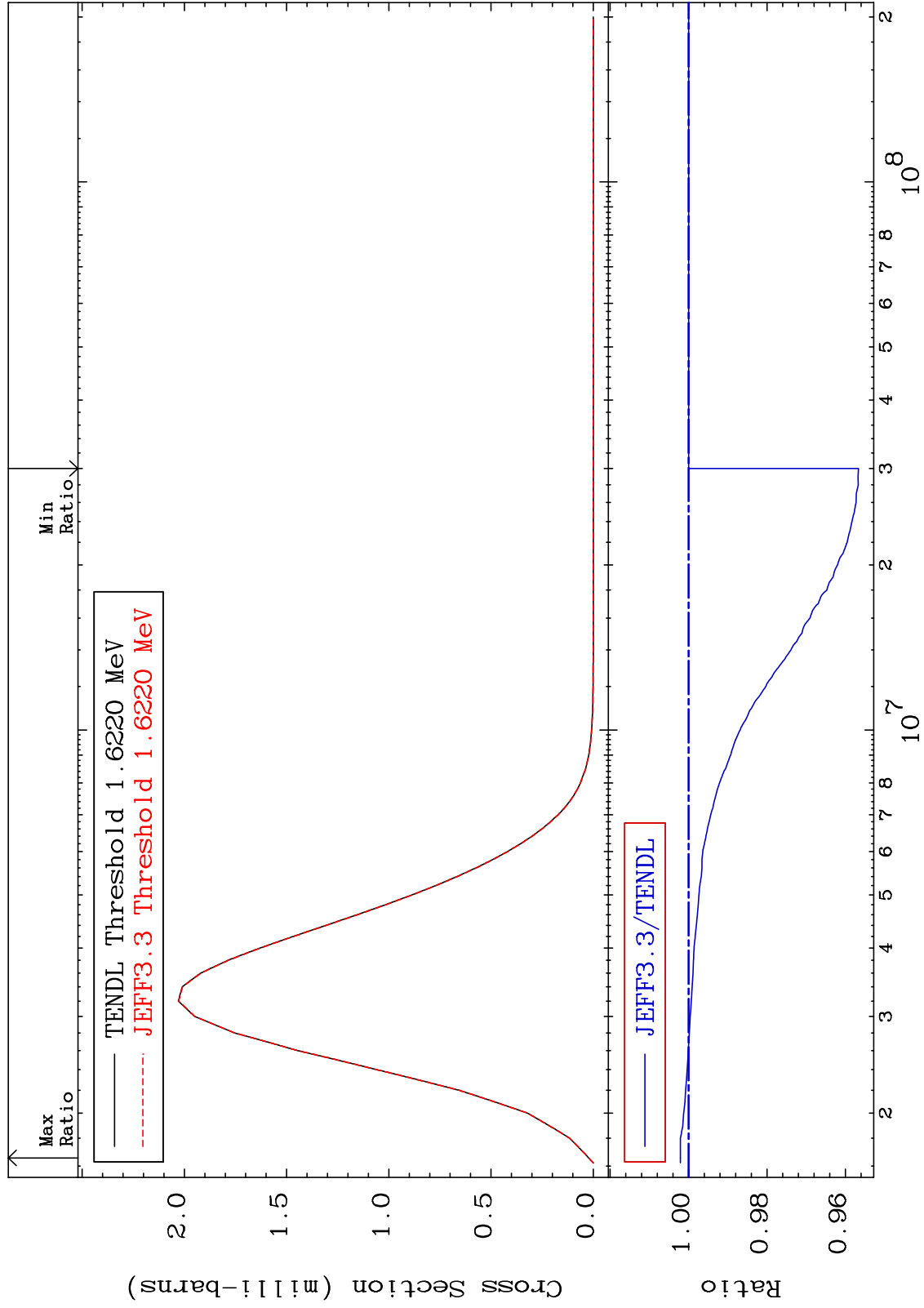
45-Rh-101
-0.324 To 0.135 %



MAT 4519

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

45-Rh-101
-4.336 To 0.207 %



45

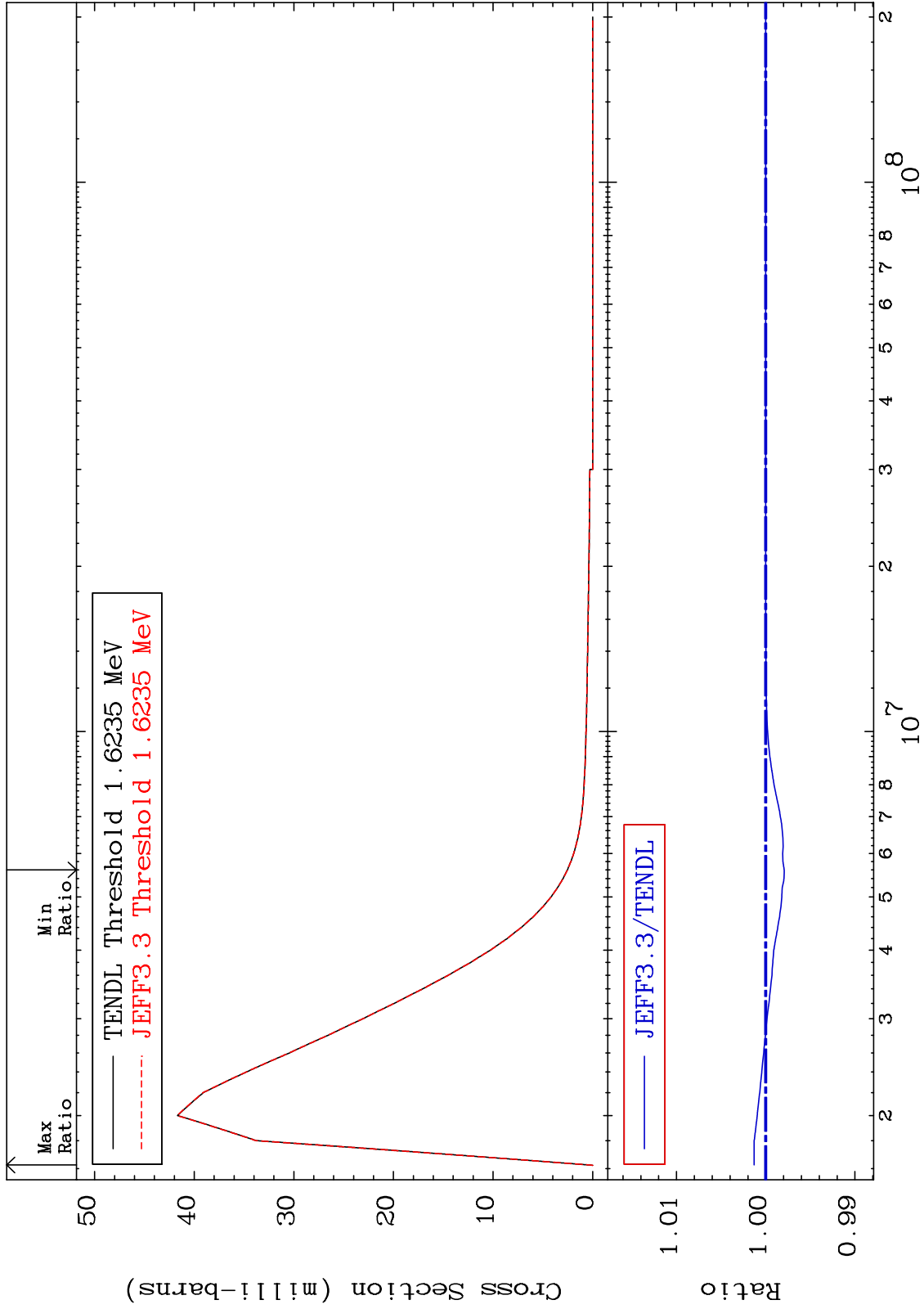
Incident Energy (eV)

45-Rh-101

MAT 4519

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

45-Rh-101
-0.207 To 0.129 %



46

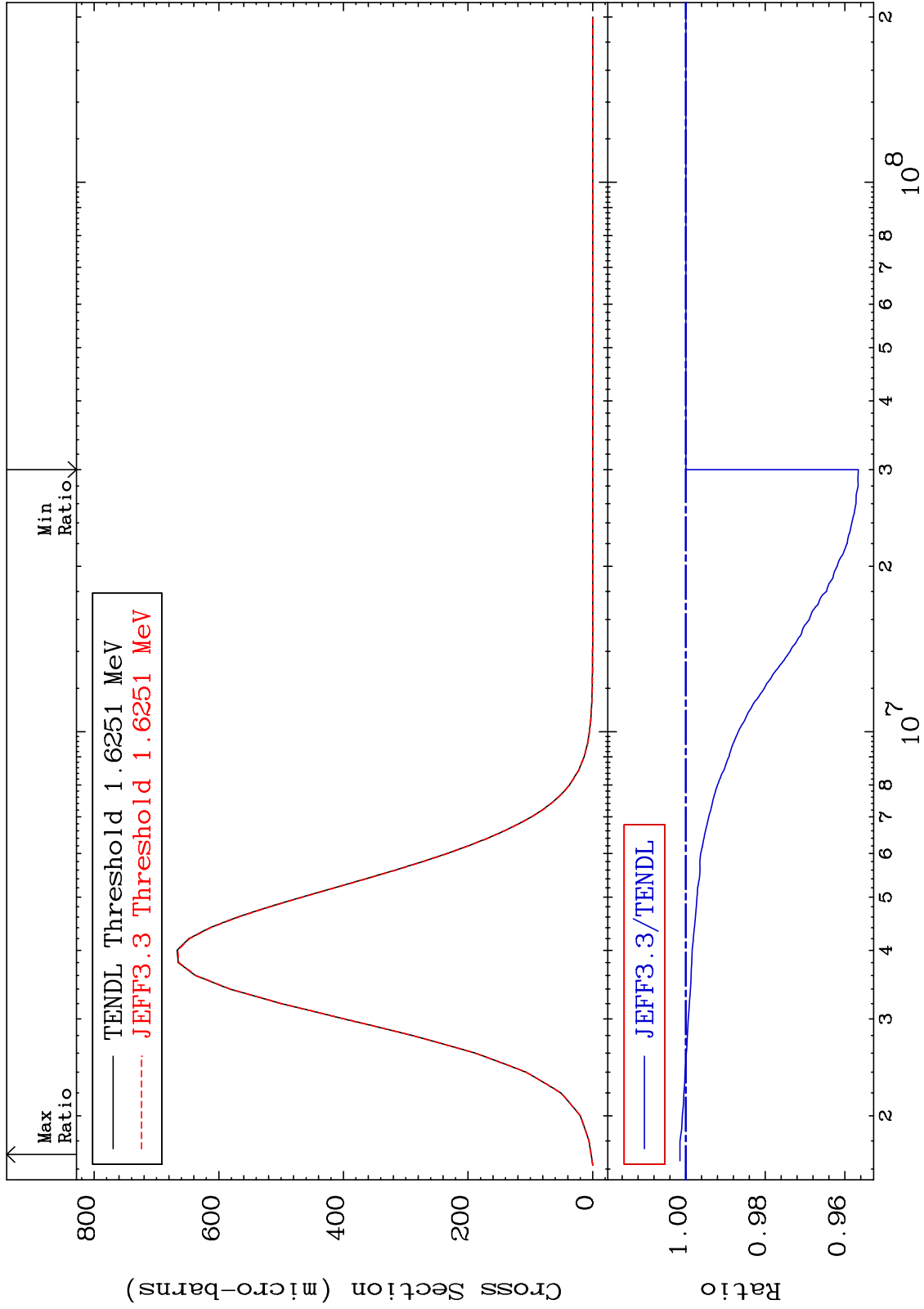
Incident Energy (eV)

45-Rh-101

MAT 4519

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

45-Rh-101
-4.340 To 0.144 %



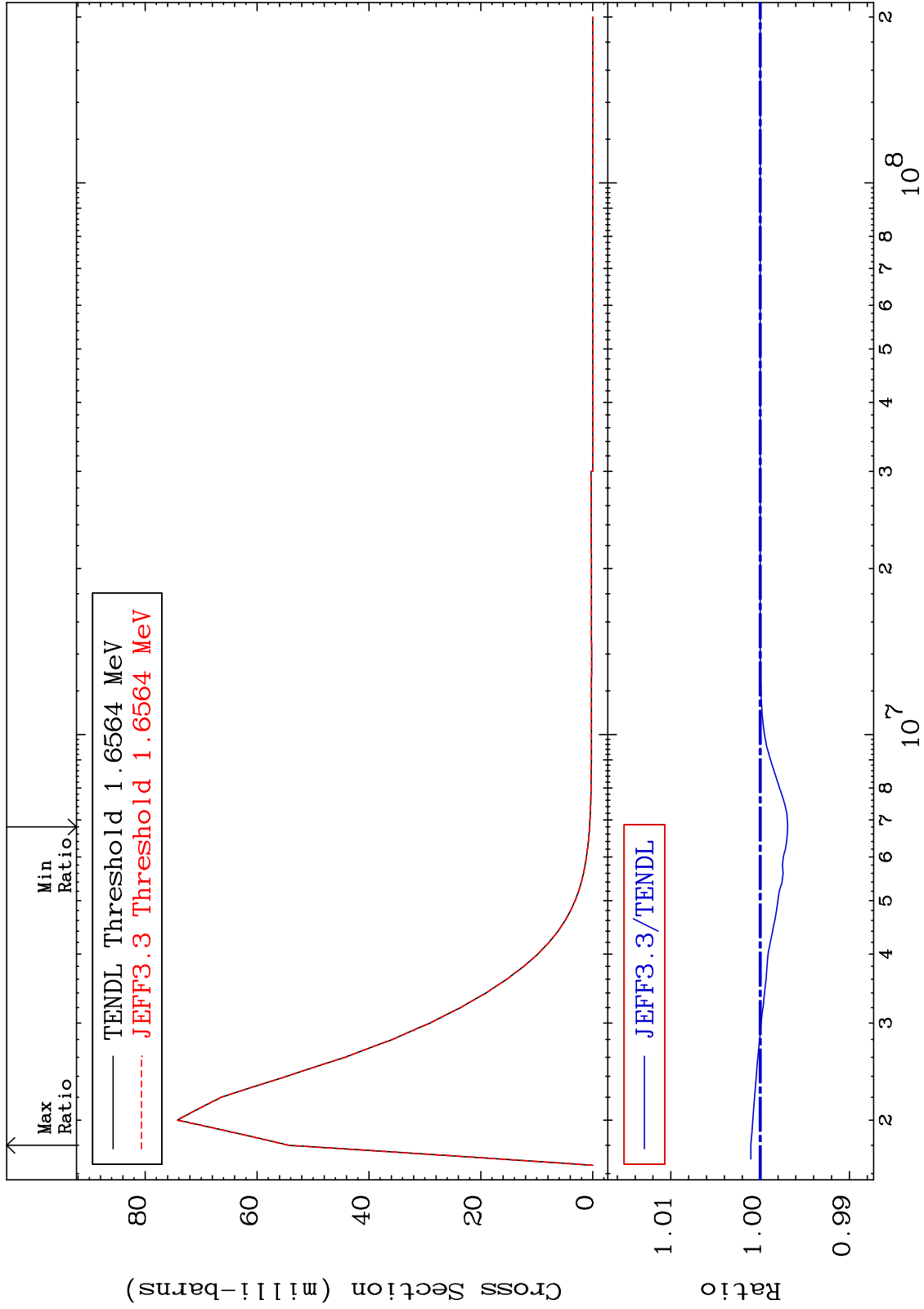
47

45-Rh-101

MAT 4519

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

45-Rh-101
-0.308 To 0.105 %



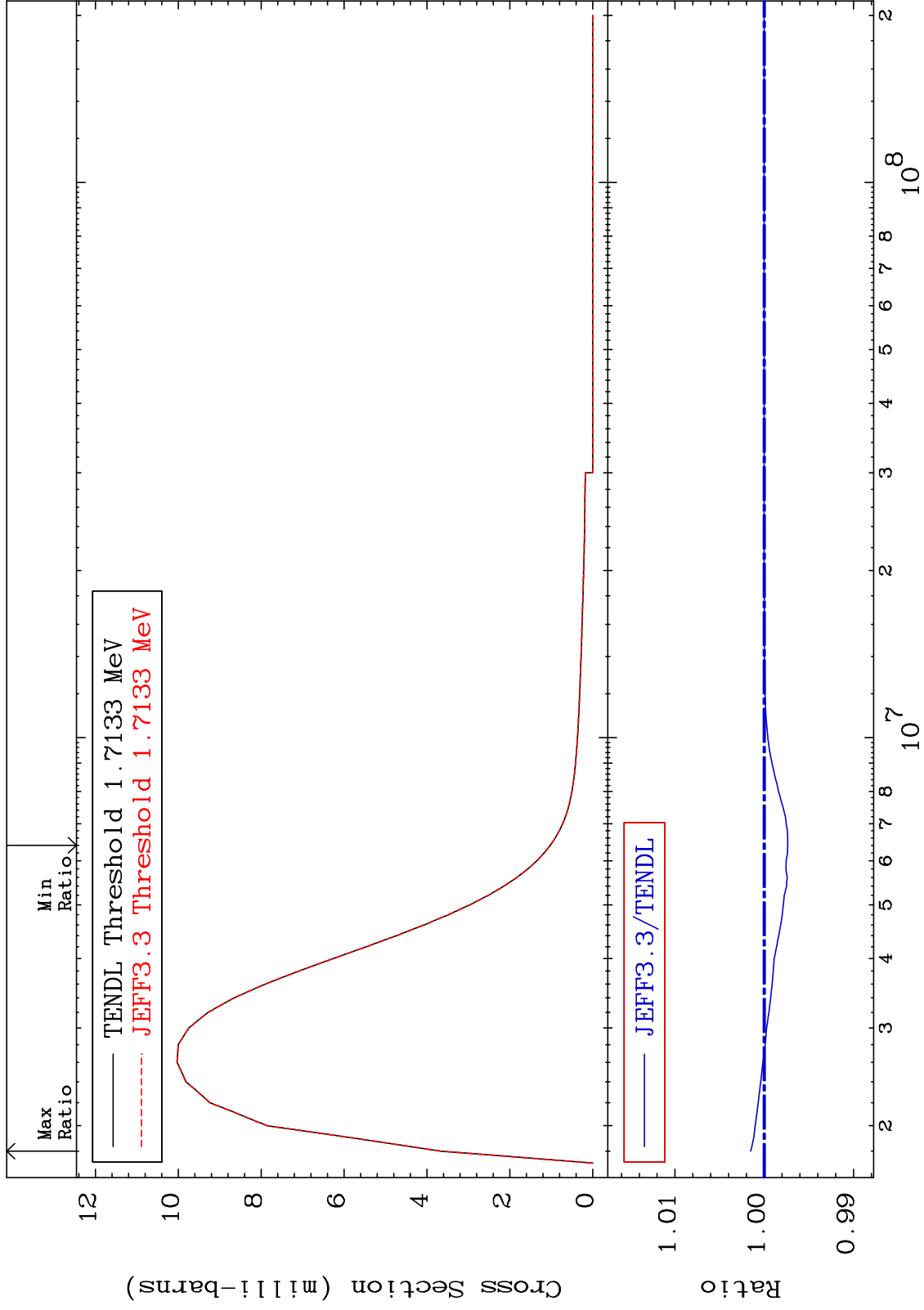
48

45-Rh-101

MAT 4519

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

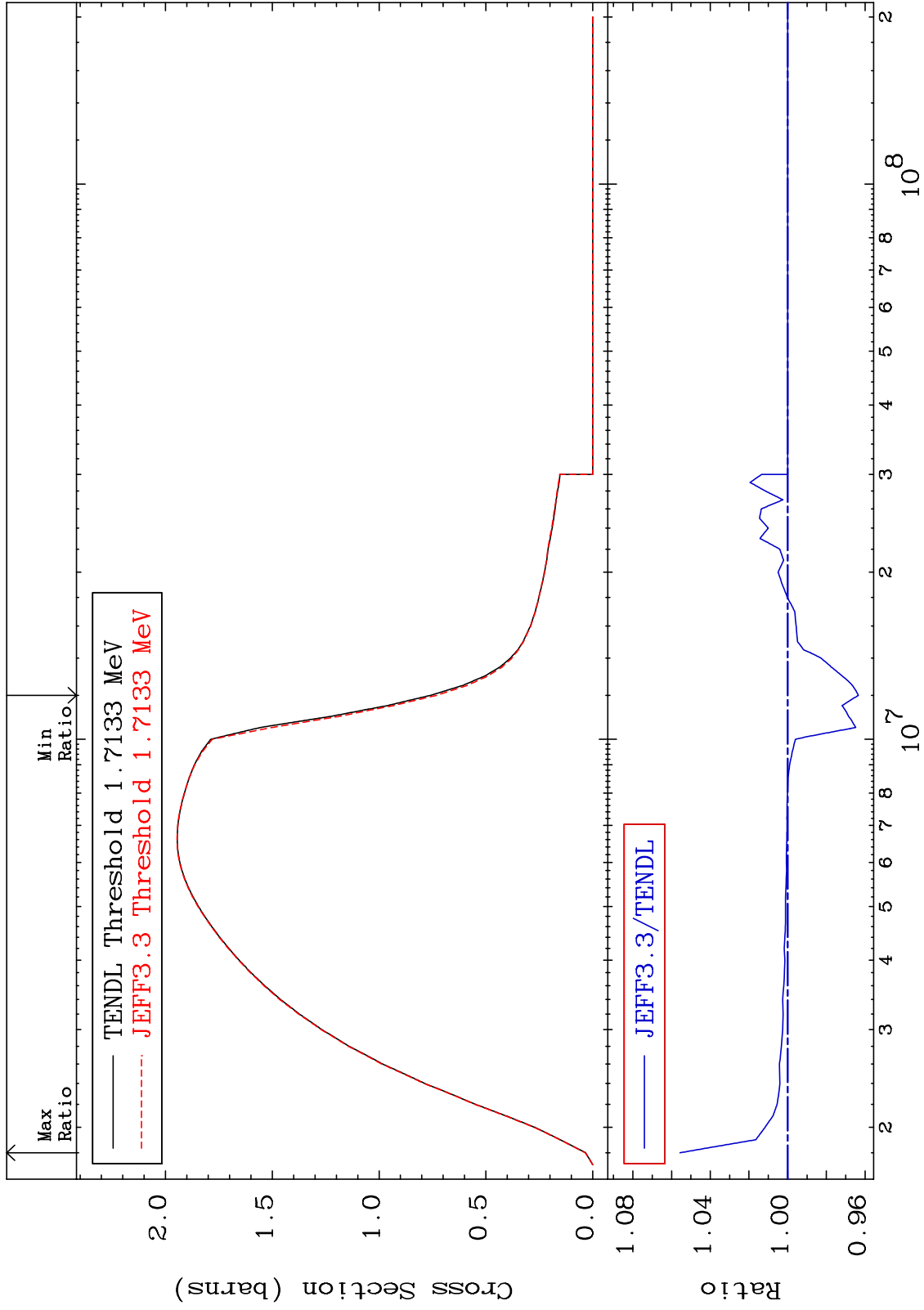
45-Rh-101
-0.263 To 0.152 %



MAT 4519

(n, n') Continuum
Cross Section

45-Rh-101
-3.656 To 5.563 %



50

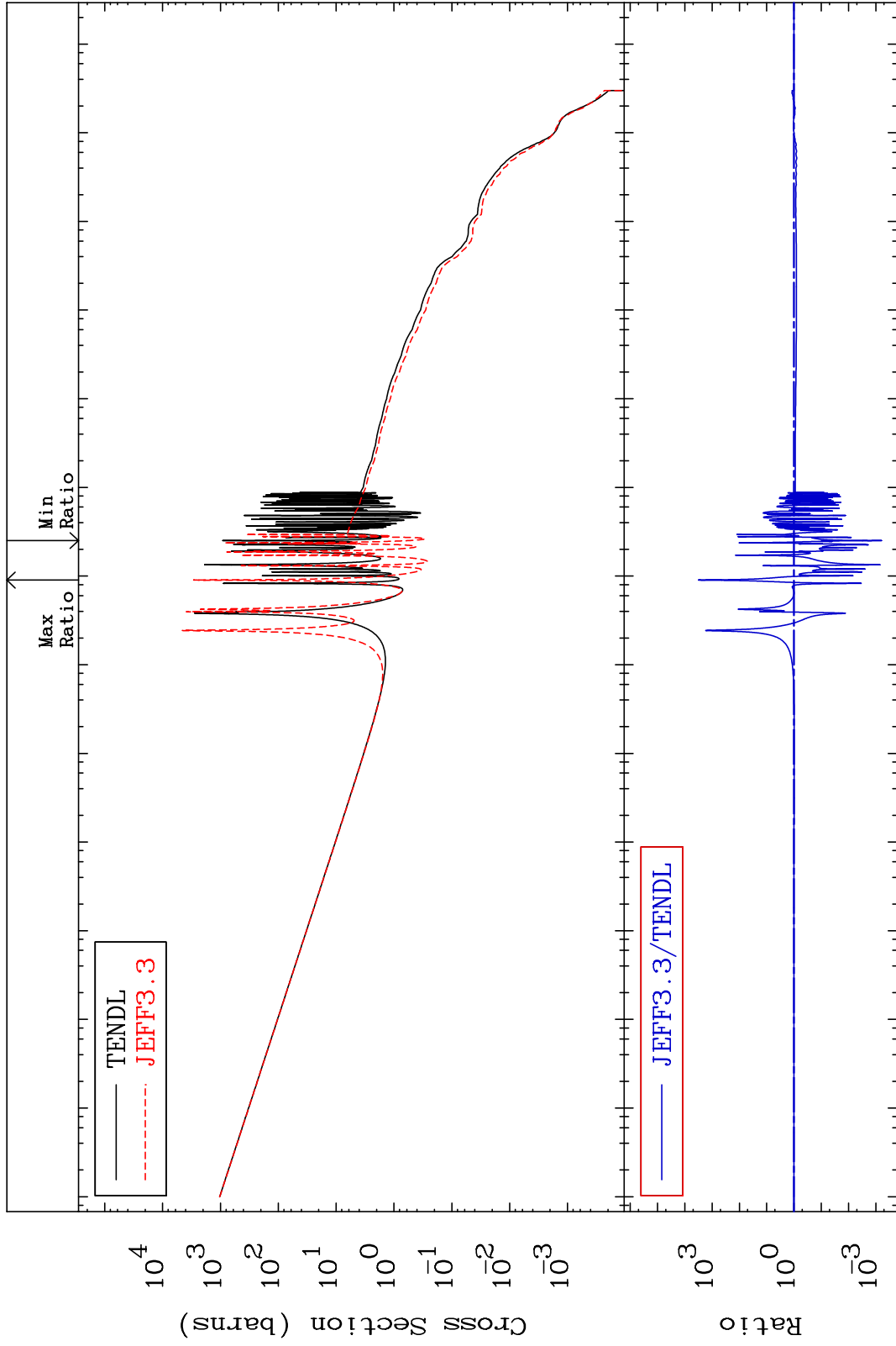
Incident Energy (eV)

45-Rh-101

MAT 4519

(n, γ)
Cross Section

45-Rh-101
-99.94 To 9999. %



51

Incident Energy (eV)

45-Rh-101

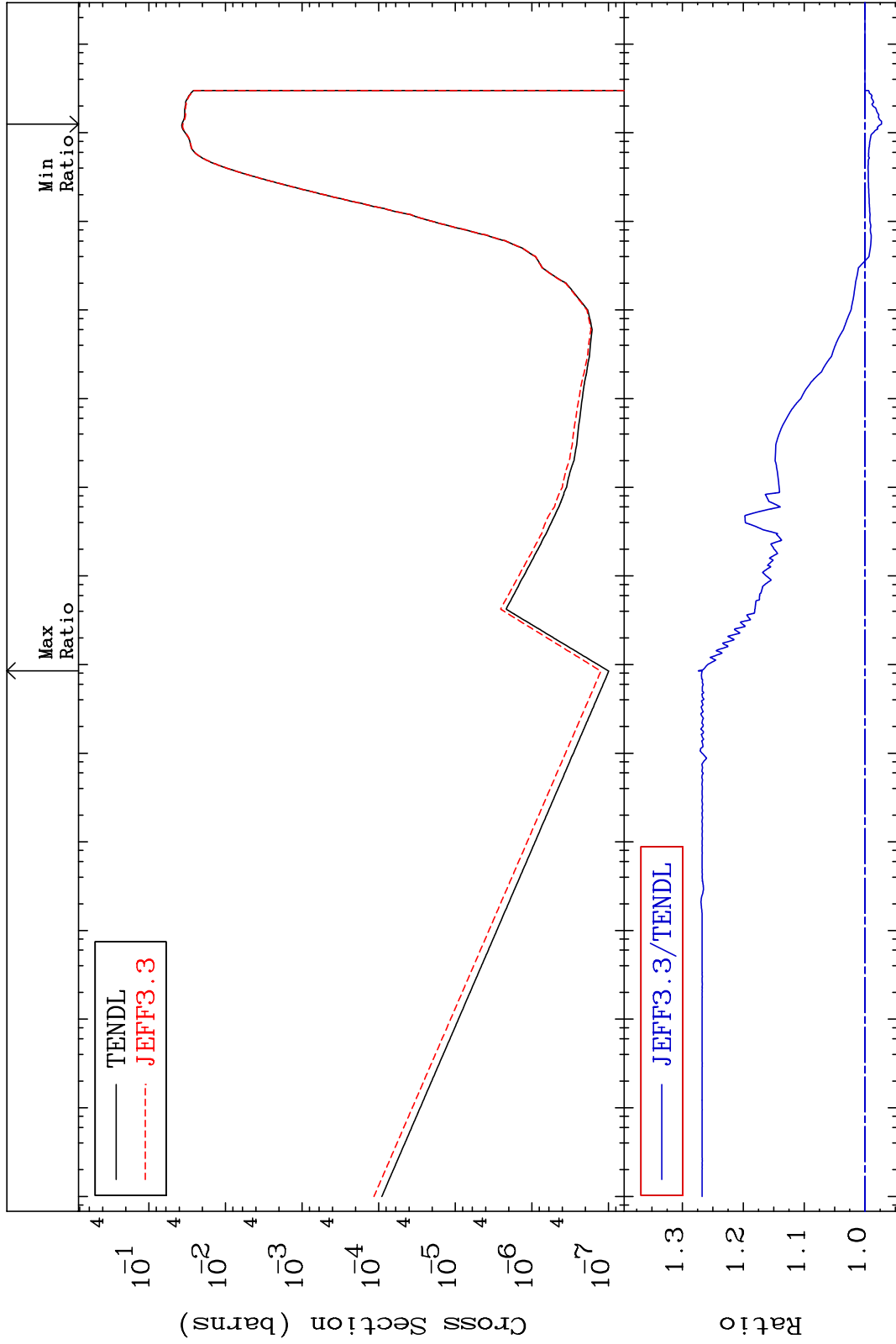
MAT 4519

(n, p)

45-Rh-101

Cross Section

-2.714 To 27.37 %



Incident Energy (eV)

52

45-Rh-101

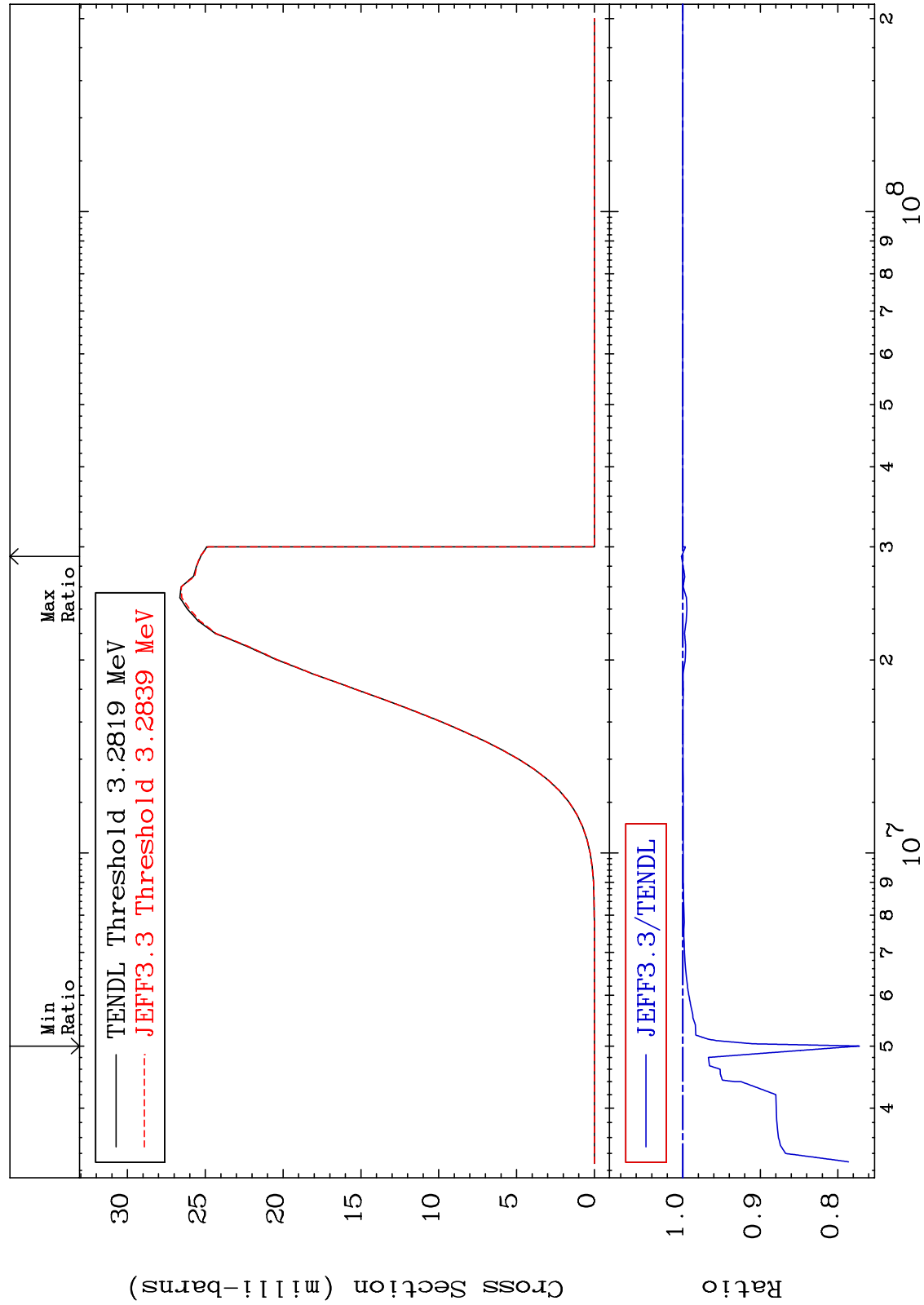
MAT 4519

(n, d)

45-Rh-101

-22.79 To 0.167 %

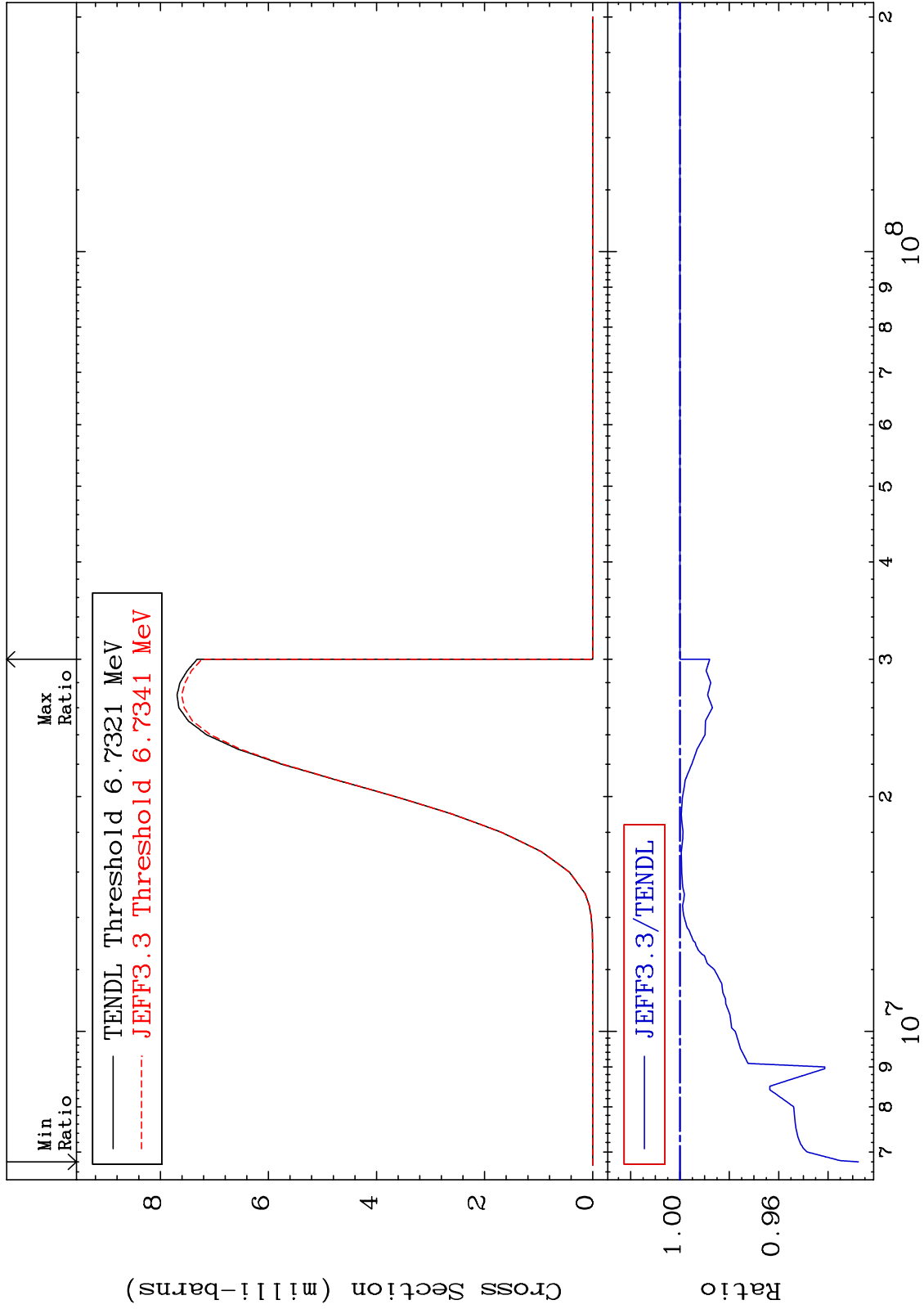
Cross Section



MAT 4519

45-Rh-101

(n, t)
Cross Section
-7.235 To 0.000 %



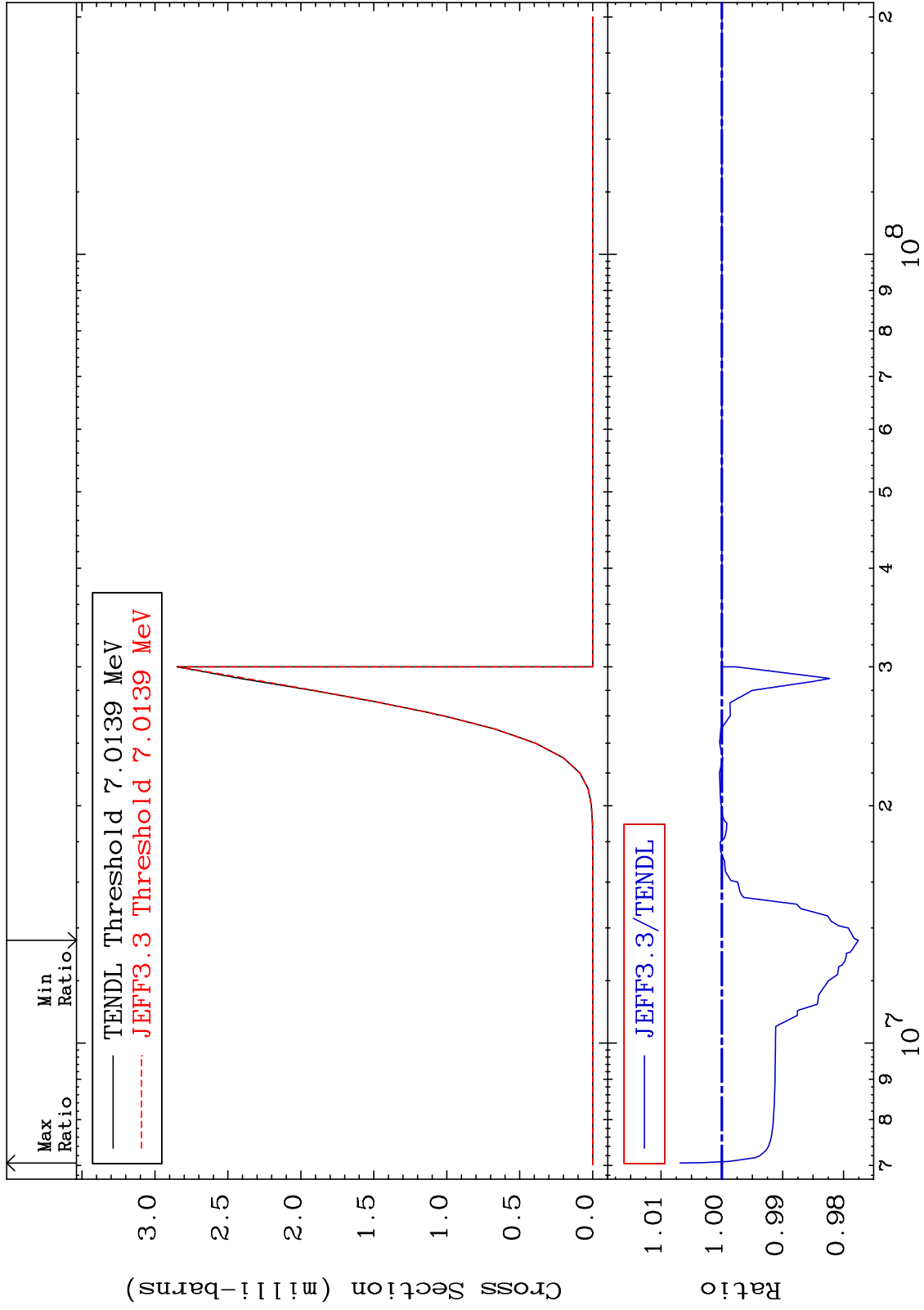
MAT 4519

(n, He-3)

45-Rh-101

Cross Section

-2.245 To 0.687 %



55

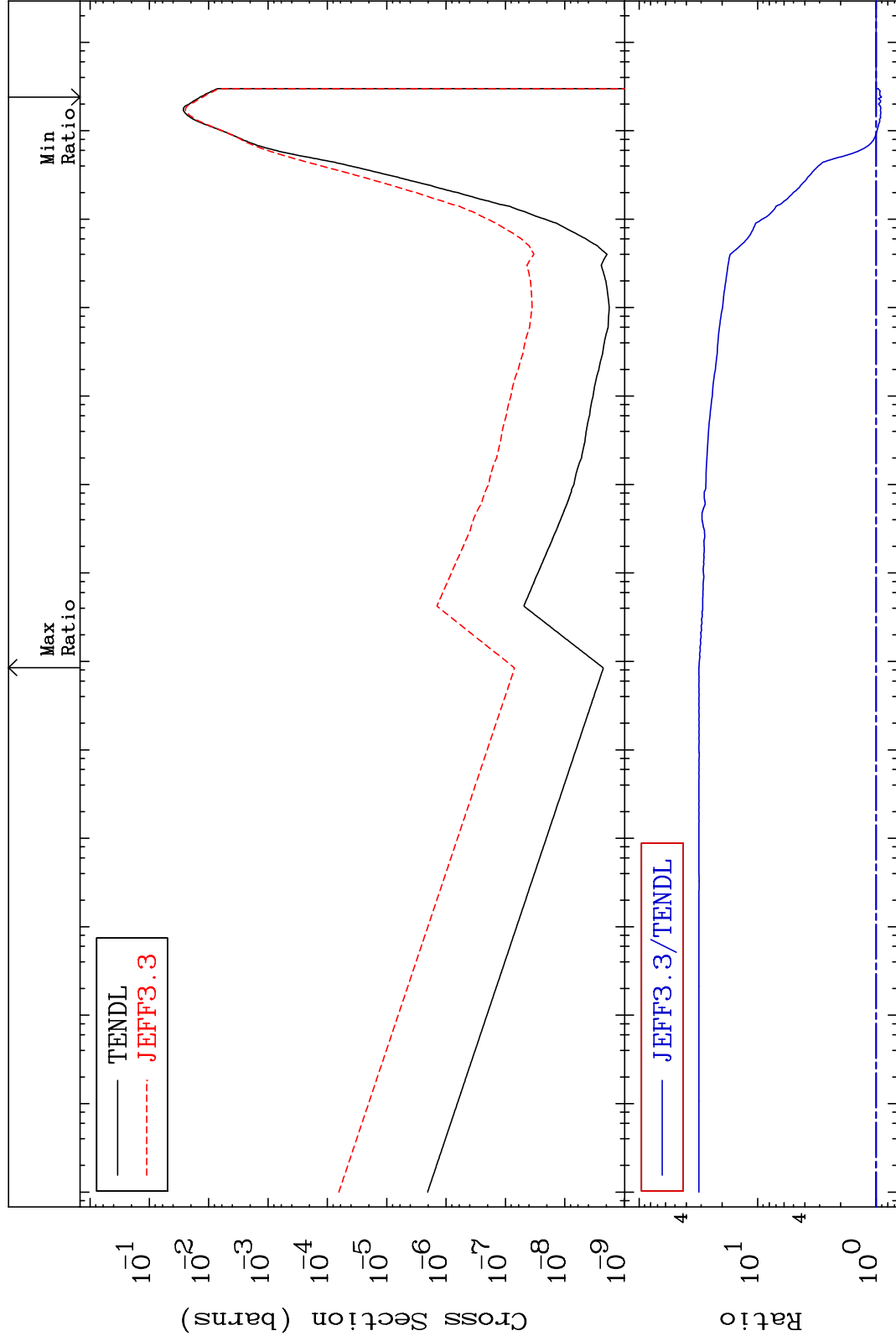
Incident Energy (eV)

45-Rh-101

MAT 4519

(n, α)
Cross Section

45-Rh-101
-9.863 To 3046. %



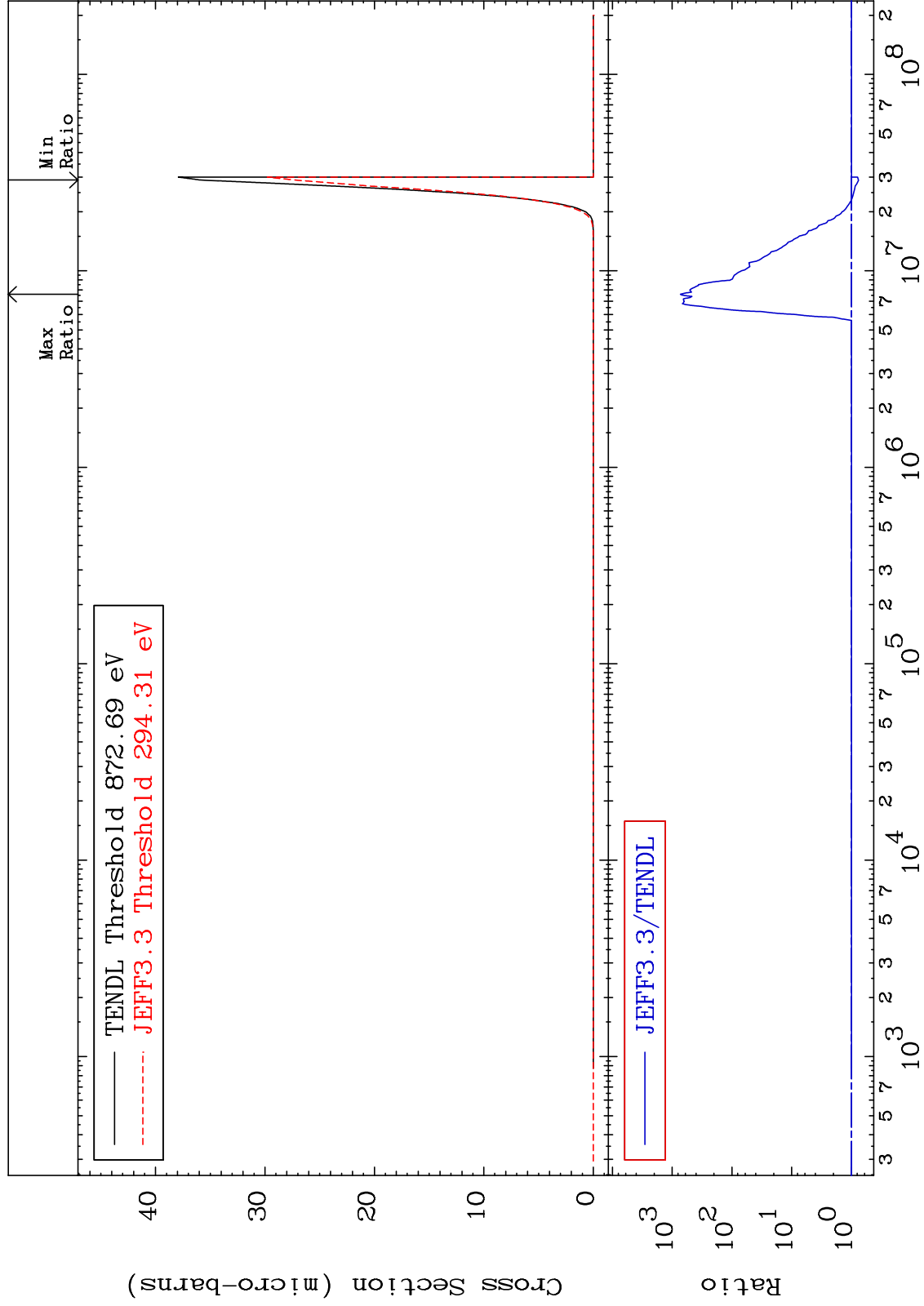
MAT 4519

(n, 2α)

45-Rh-101

Cross Section

-23.95 To 9999. %

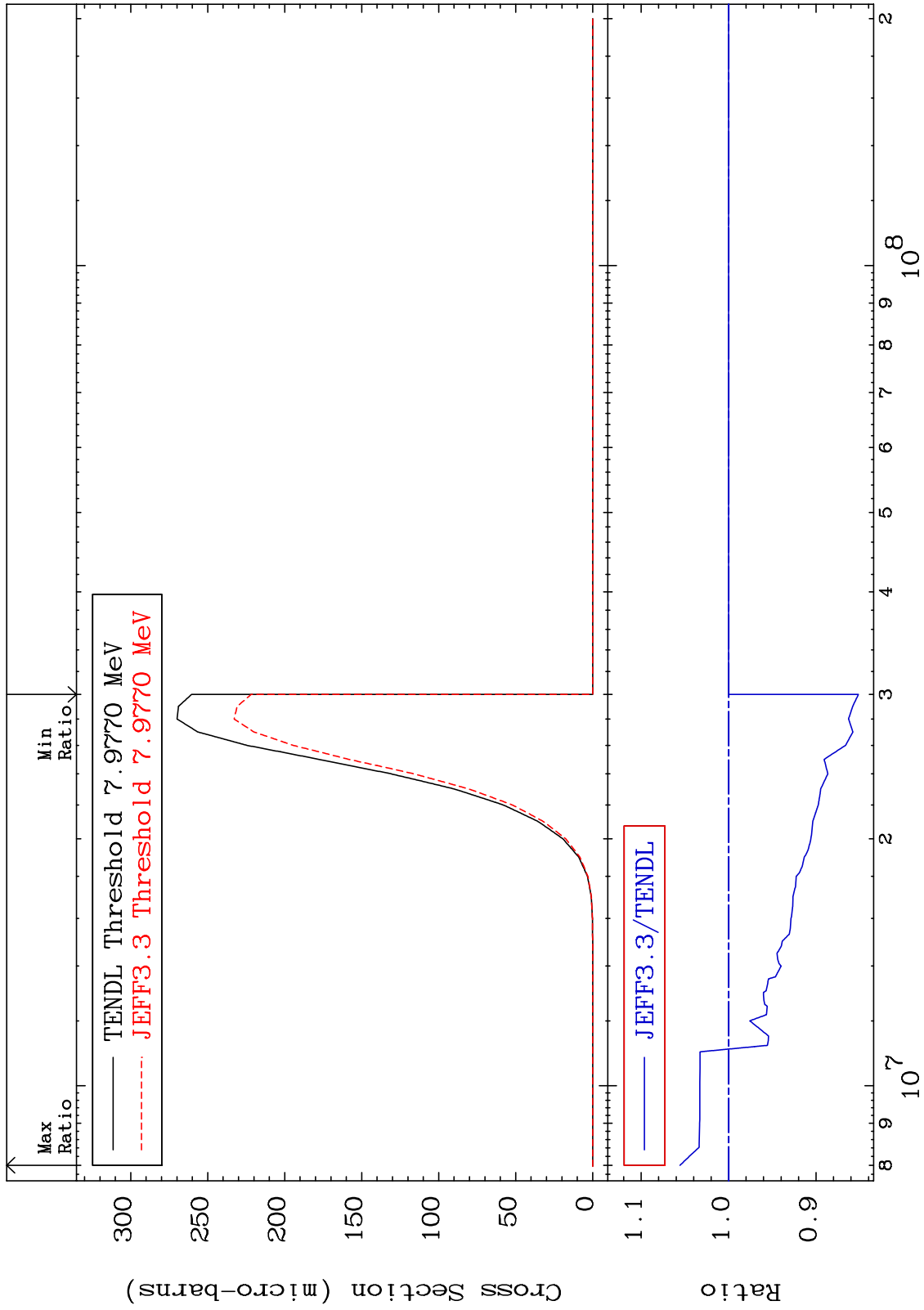


57

Incident Energy (eV)

45-Rh-101

MAT 4519 (n,2p) Cross Section 45-Rh-101 -14.84 To 5.559 %



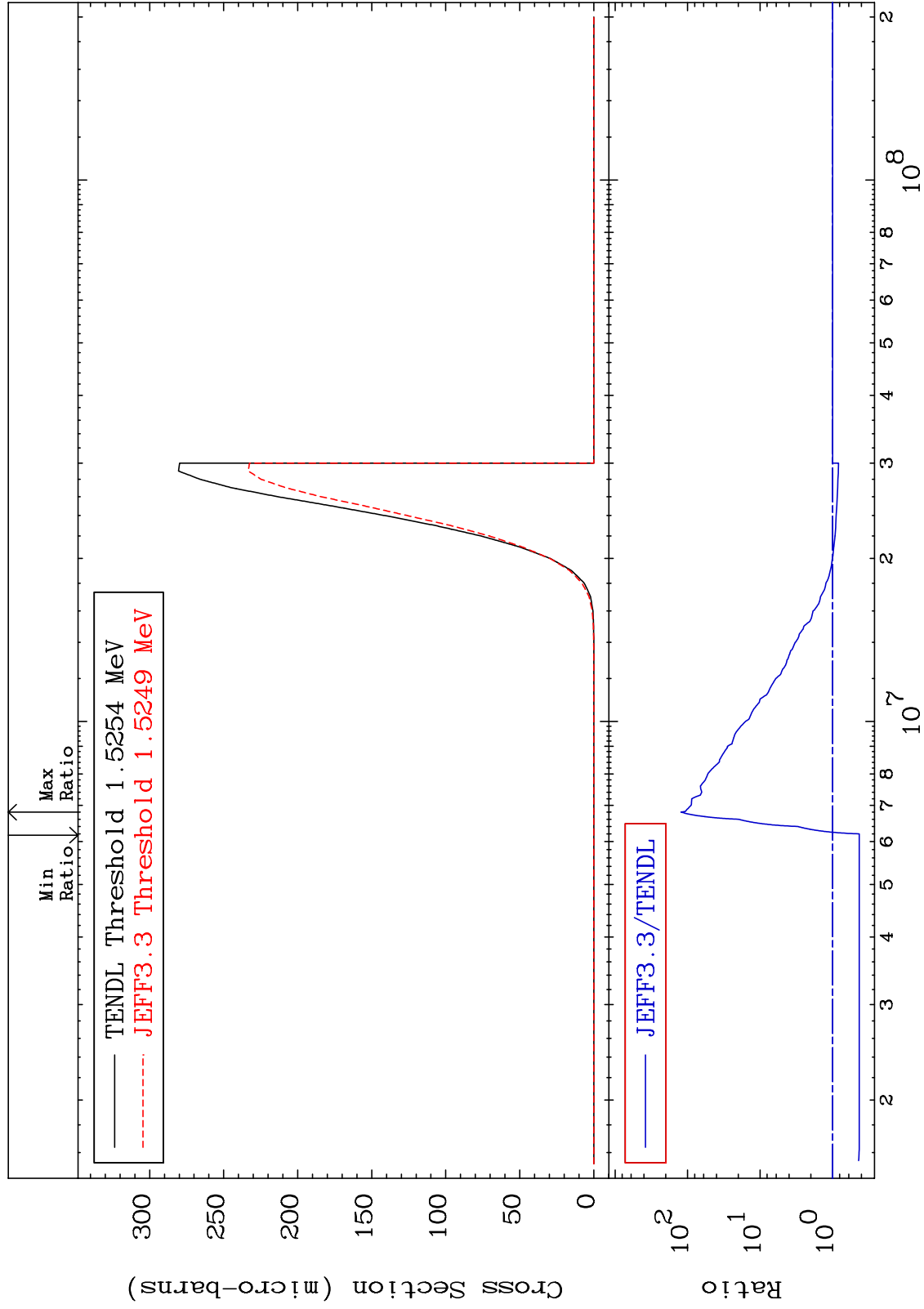
MAT 4519

(n,p) α

45-Rh-101

Cross Section

-57.11 To 9999. %



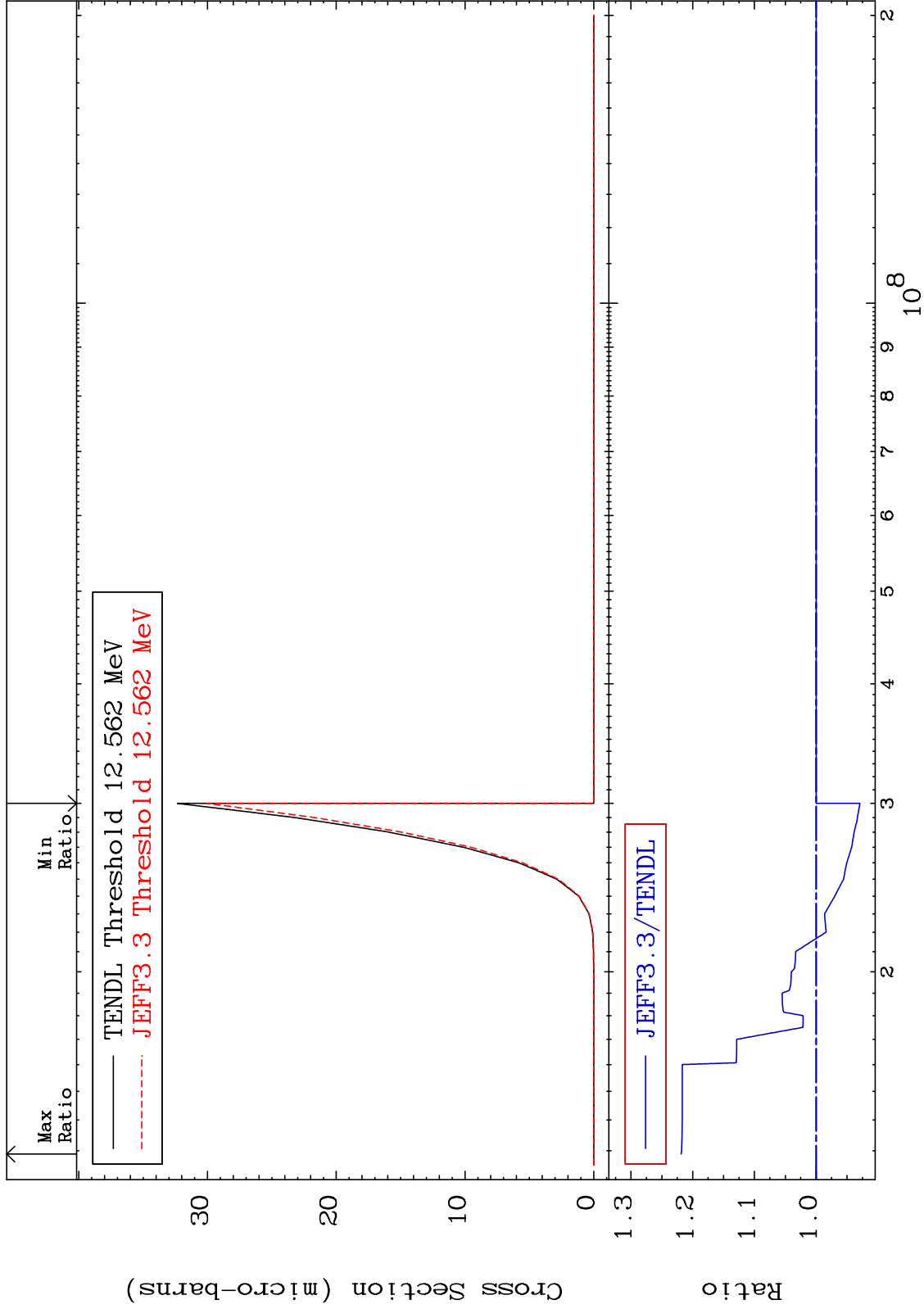
MAT 4519

(n,p) d

45-Rh-101

Cross Section

-7.095 To 21.86 %



60

Incident Energy (eV)

45-Rh-101

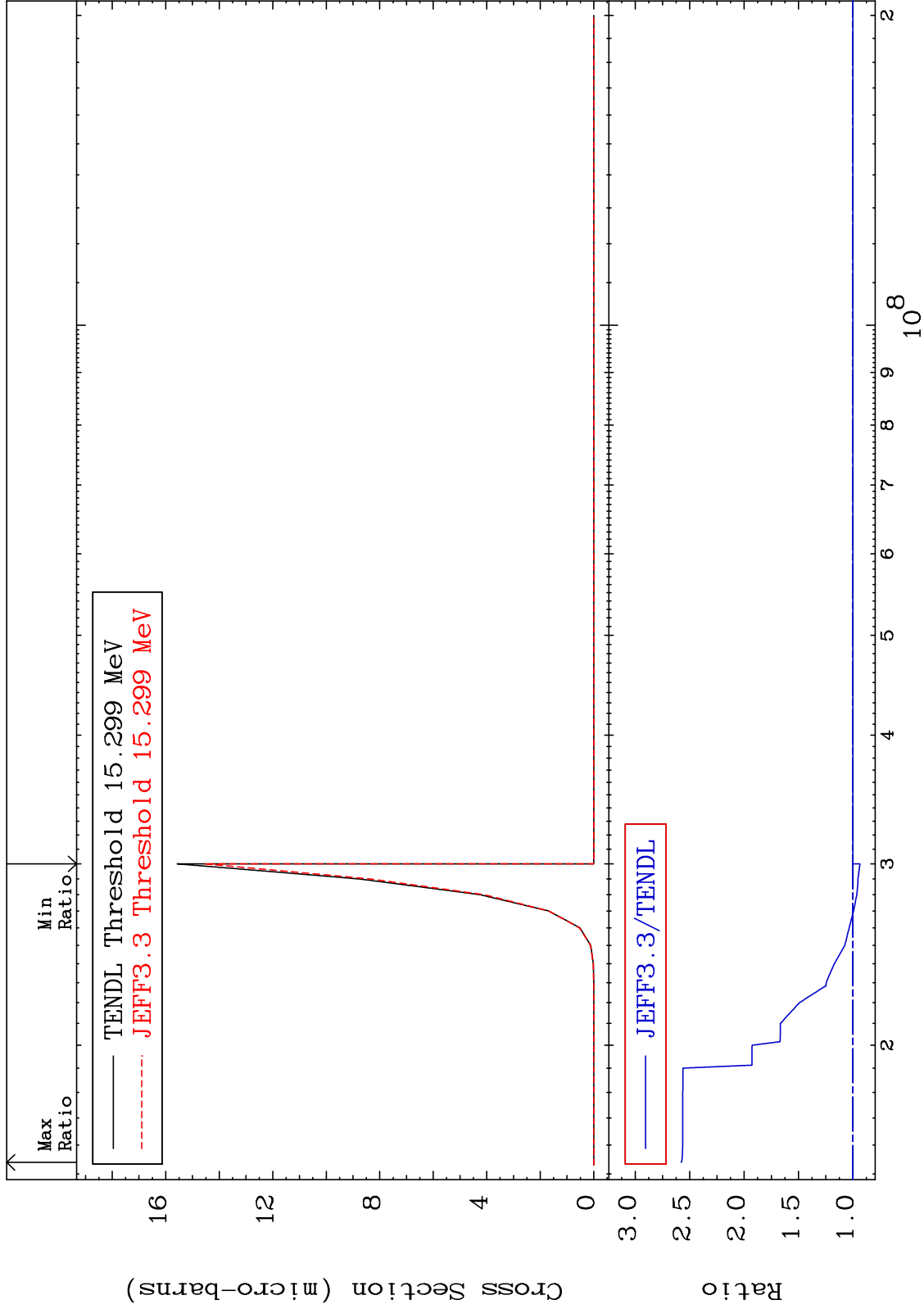
MAT 4519

(n,p) t

45-Rh-101

Cross Section

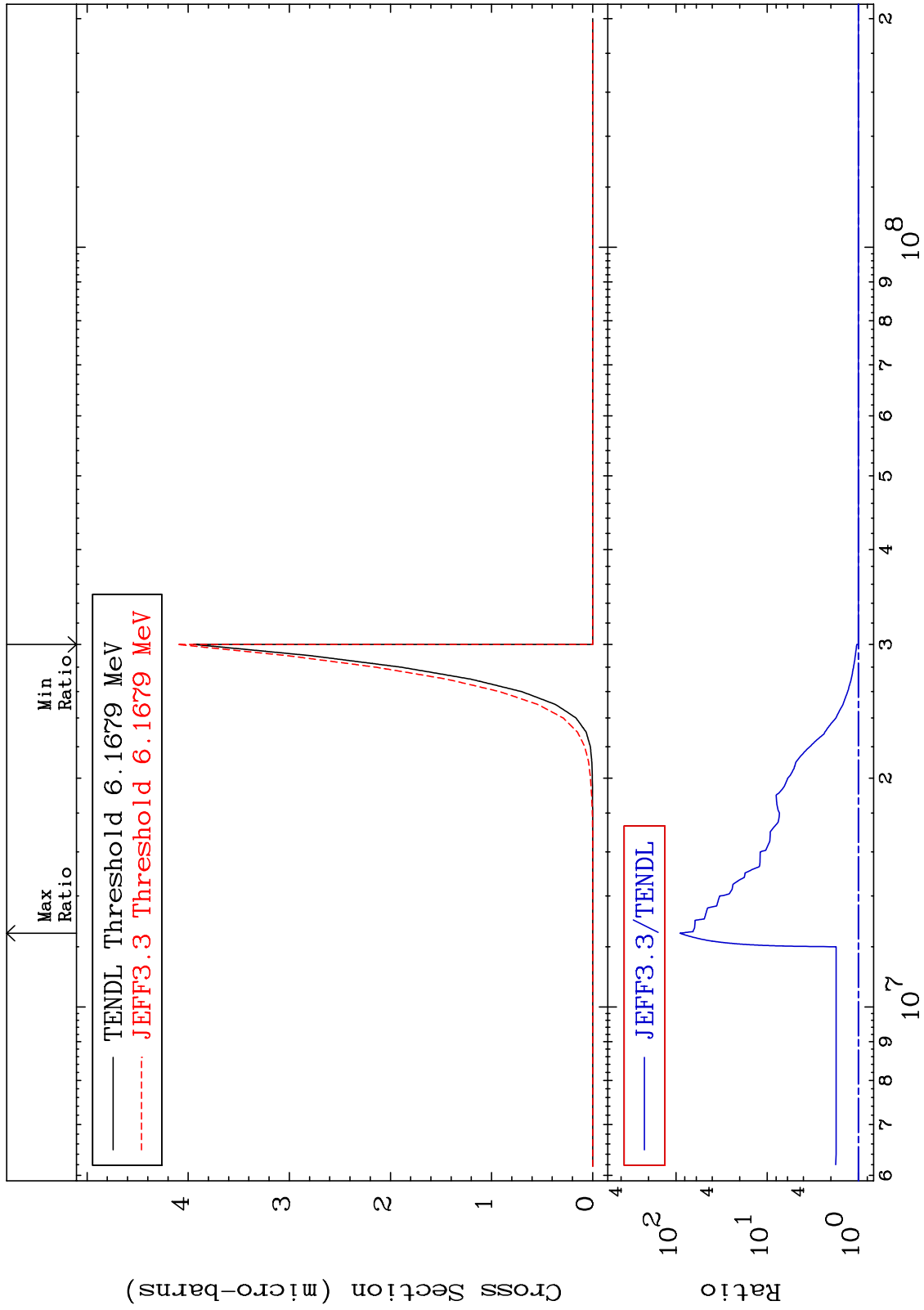
-6.426 To 157.8 %



MAT 4519

(n,d) α

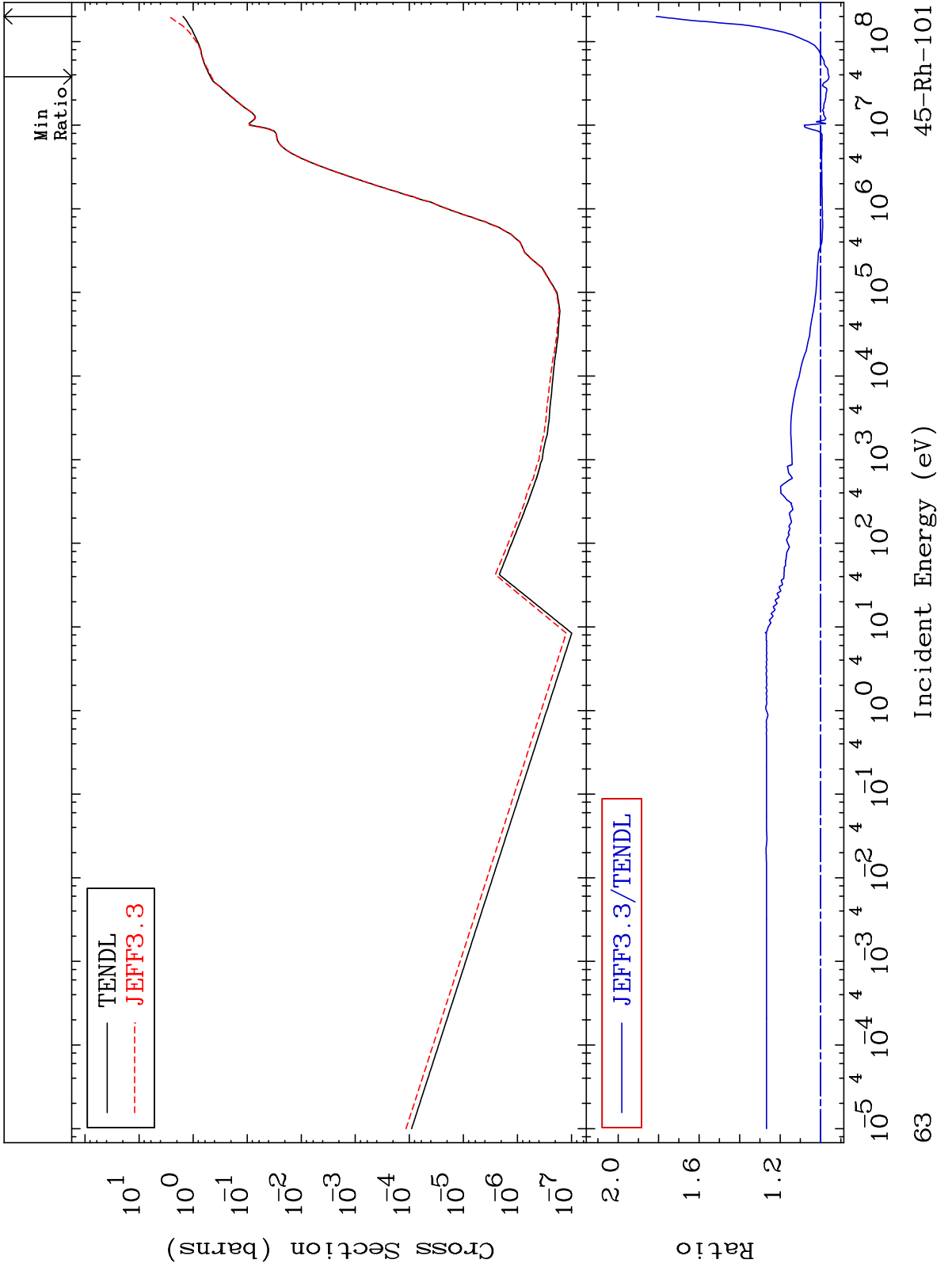
45-Rh-101
To 8928. %
0.000



MAT 4519

Hydrogen Production
Cross Section

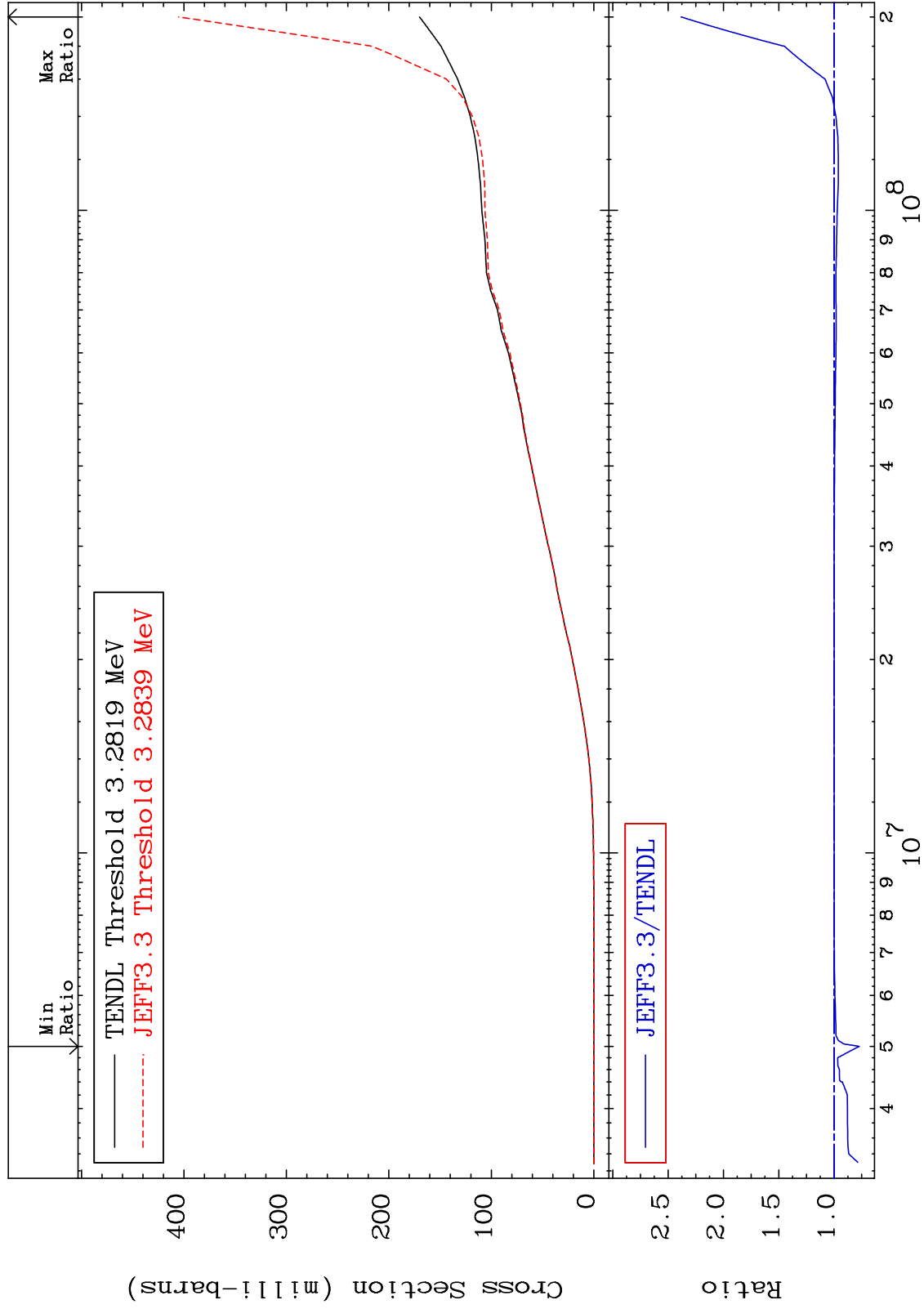
45-Rh-101
-4.172 To 81.16 %



MAT 4519

Deuterium Production
Cross Section

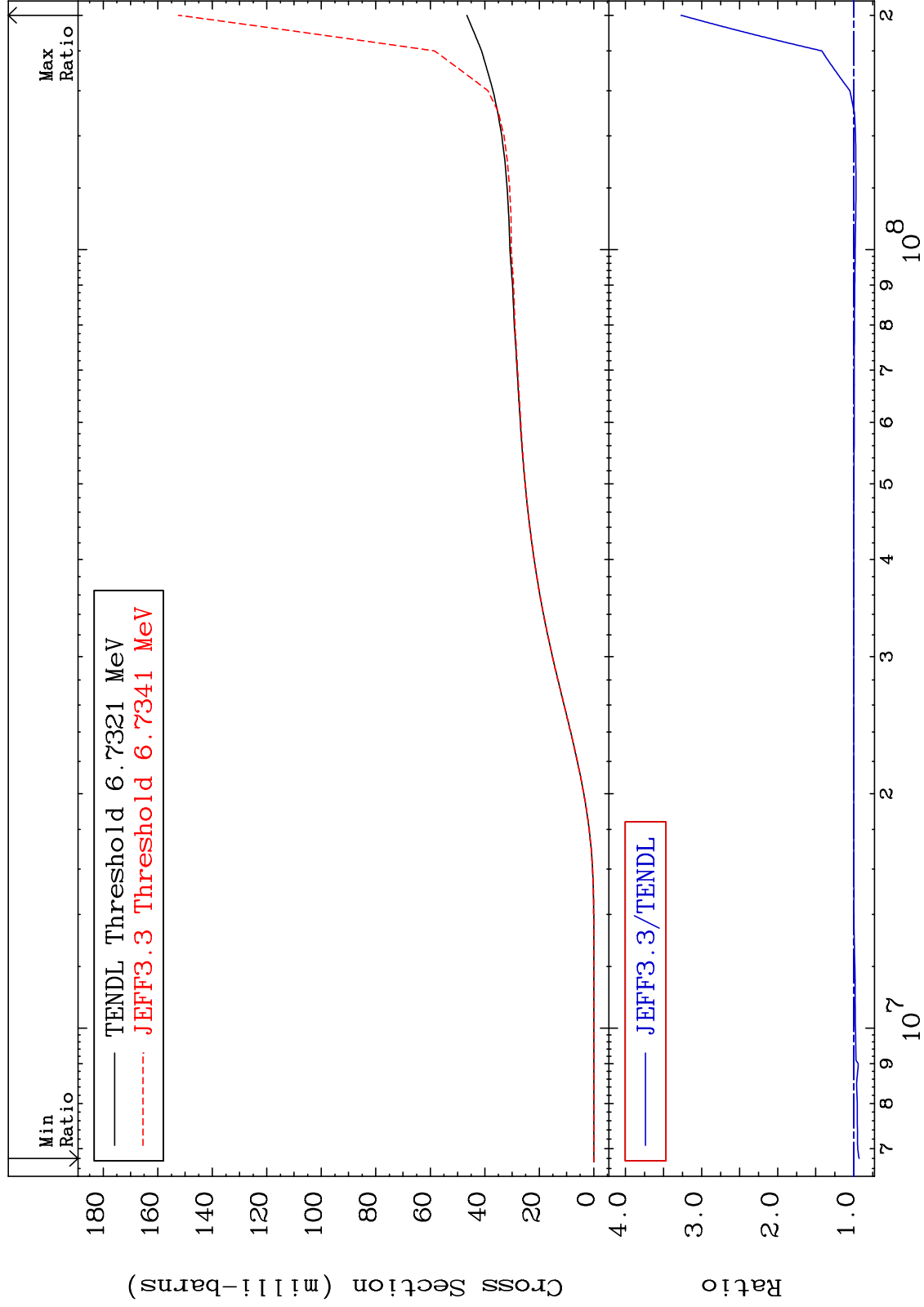
45-Rh-101
-22.79 To 138.3 %



MAT 4519

Tritium Production
Cross Section

45-Rh-101
-7.235 To 227.0 %



65

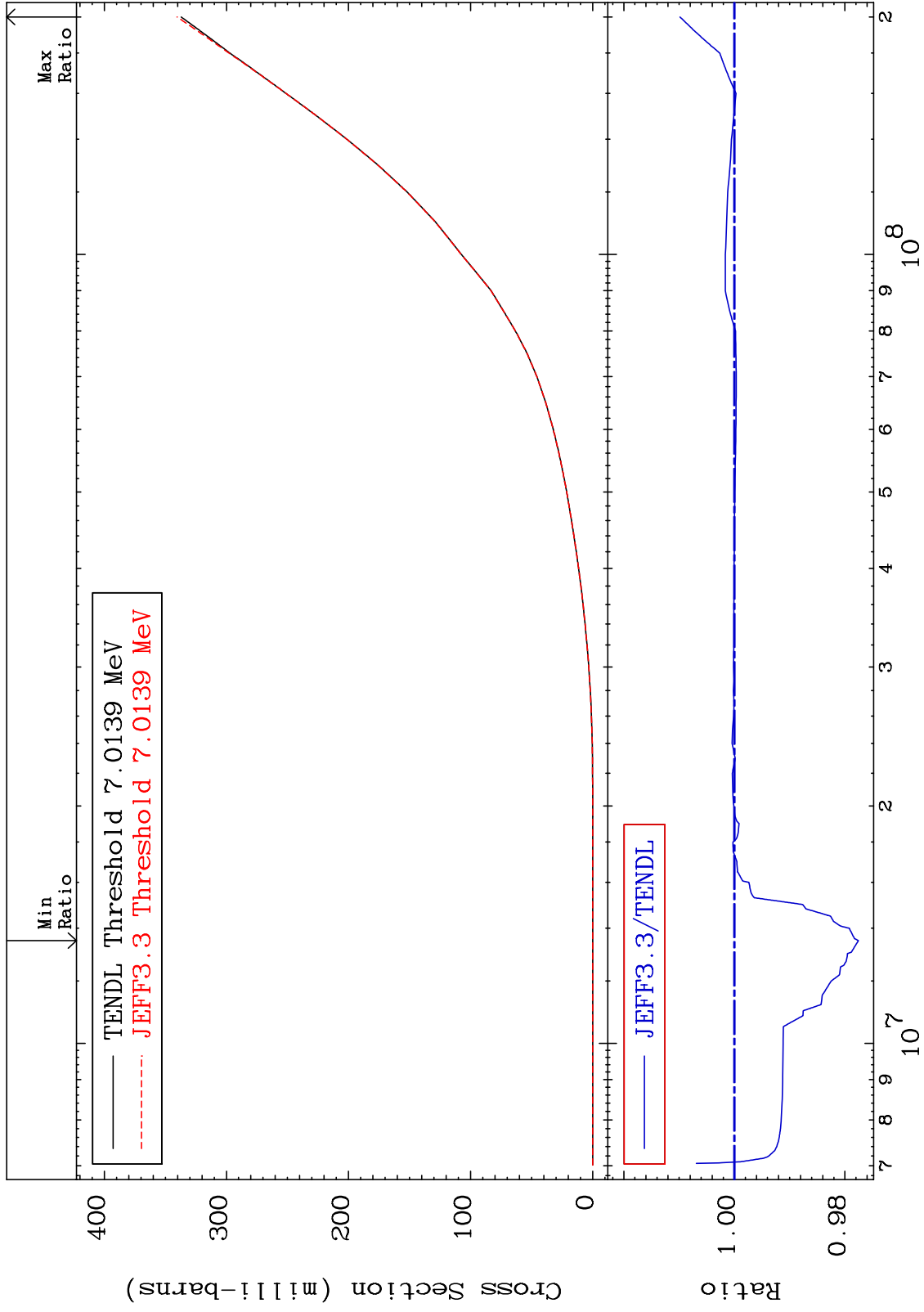
Incident Energy (eV)

45-Rh-101

MAT 4519

He-3 Production
Cross Section

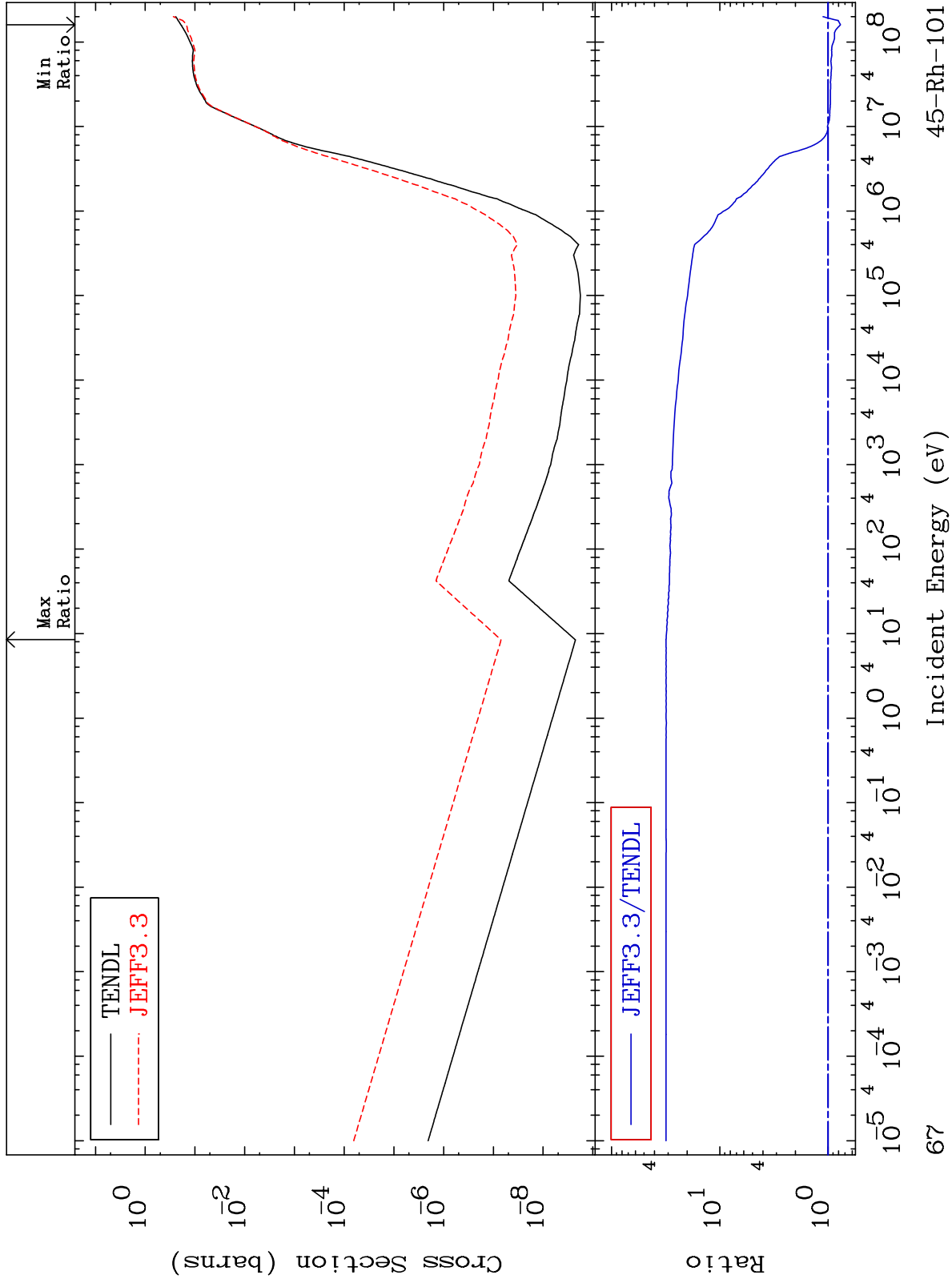
45-Rh-101
-2.245 To 0.983 %



MAT 4519

He-4 Production
Cross Section

45-Rh-101
-23.18 To 3046. %



67

45-Rh-101

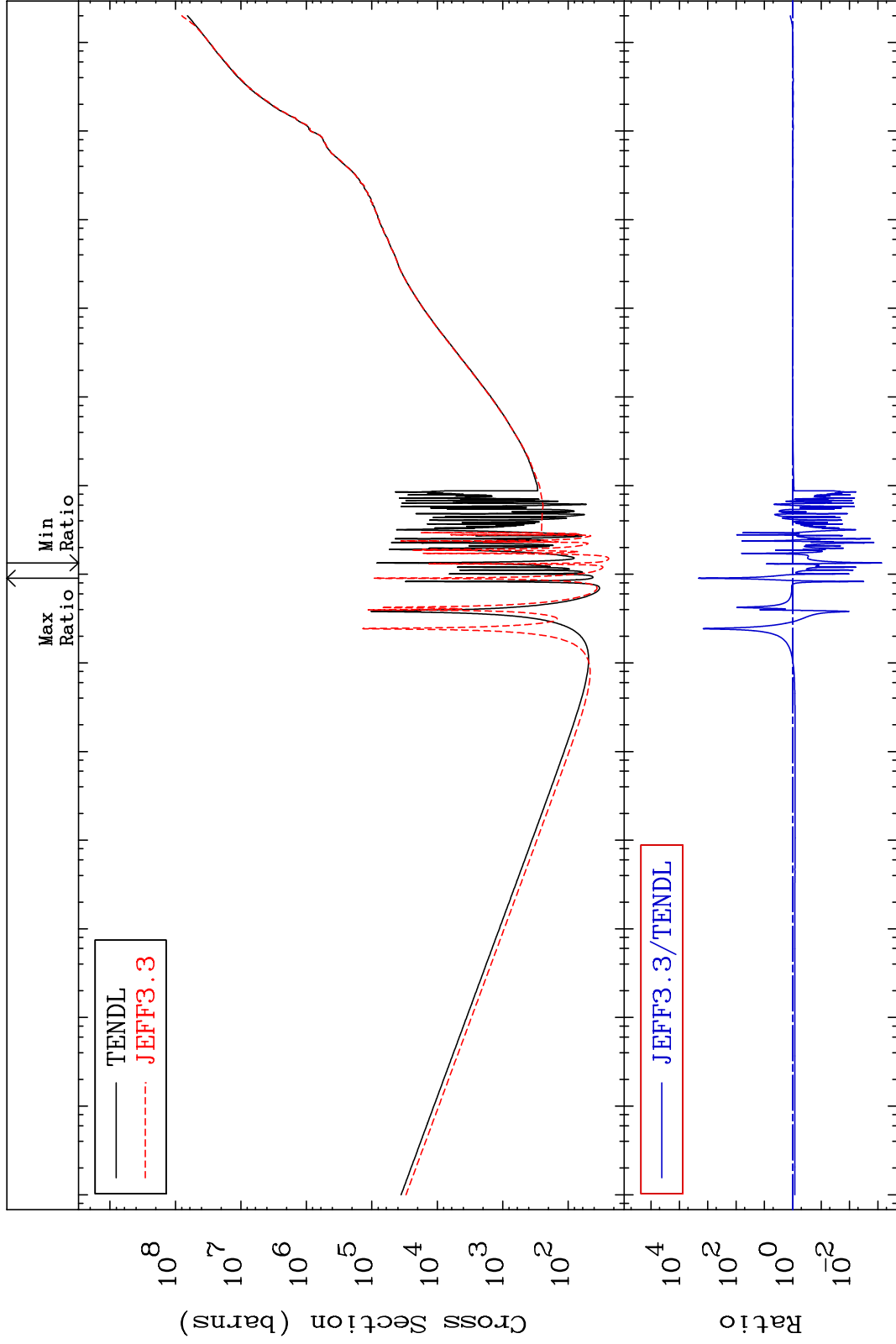
MAT 4519

Kerma total (eV-barns)

45-Rh-101

-99.93 To 9999. %

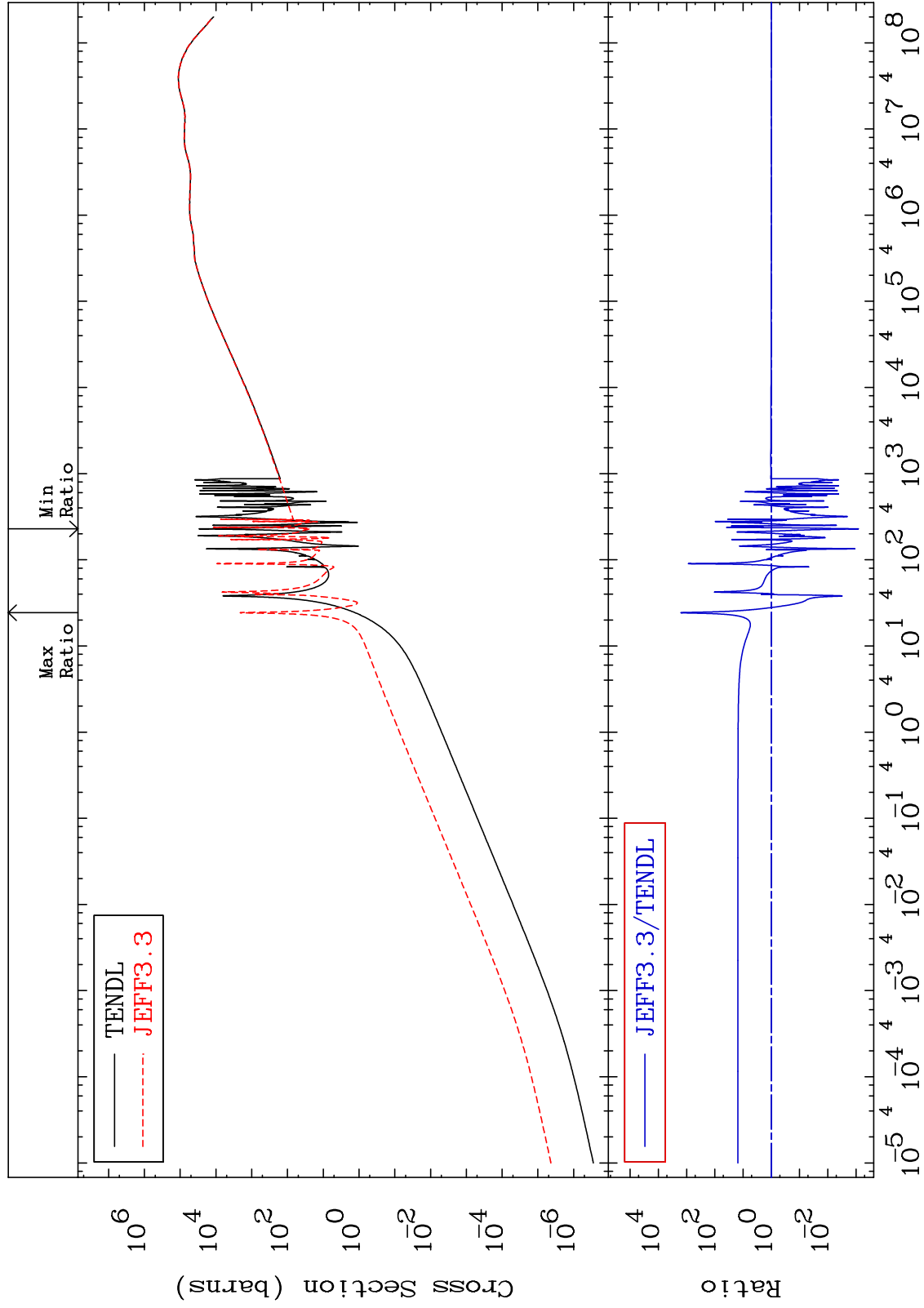
Cross Section



MAT 4519

Kerma elastic
Cross Section

45-Rh-101
-99.92 To 9999. %



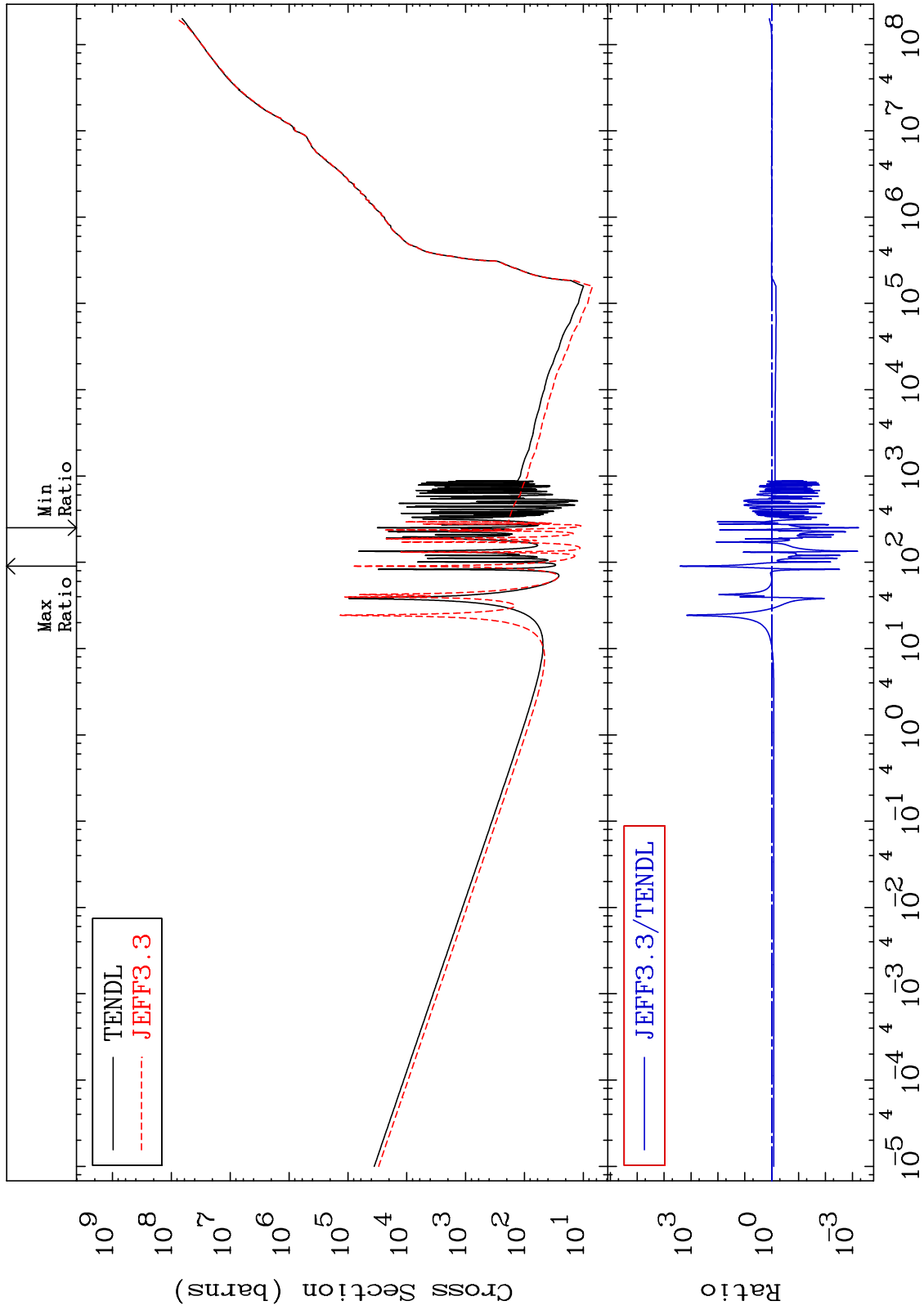
— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

MAT 4519

Kerma non-elastic (all but mt2)
Cross Section

45-Rh-101
-99.94 To 9999. %



70

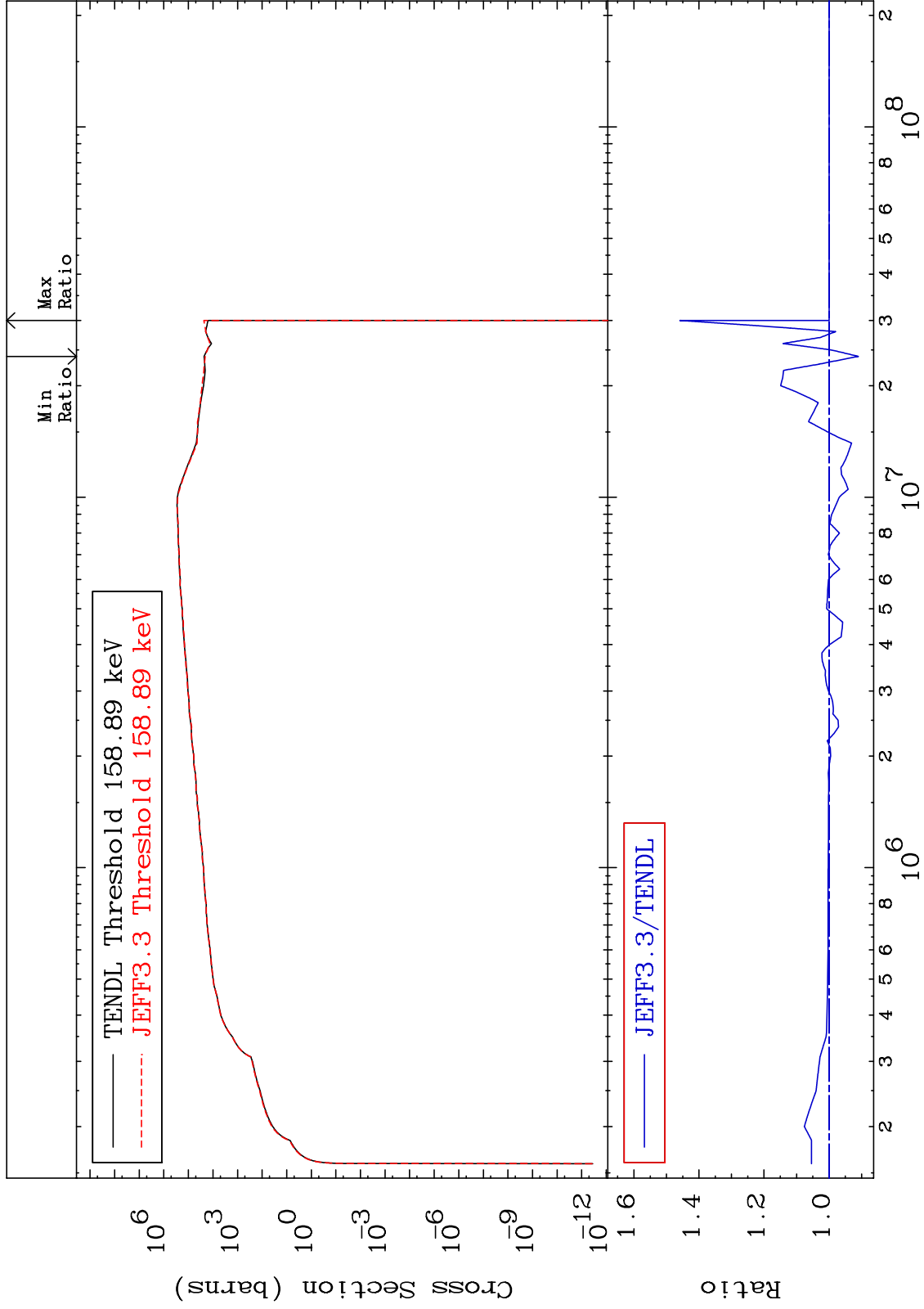
Incident Energy (eV)

45-Rh-101

MAT 4519

Kerma inelastic (mt51-91)
Cross Section

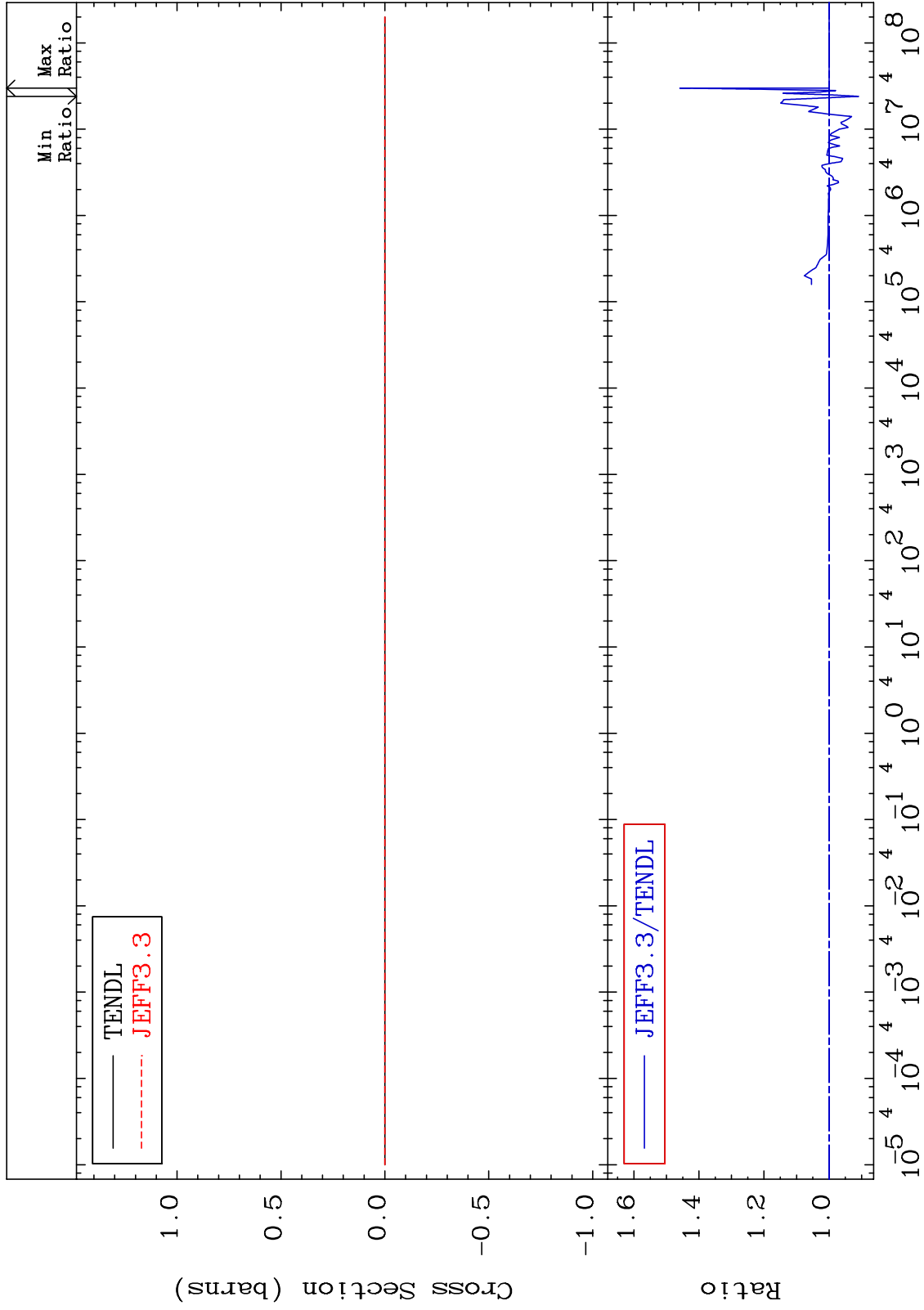
45-Rh-101
-9.020 To 45.83 %



MAT 4519

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

45-Rh-101
-9.020 To 45.83 %



72

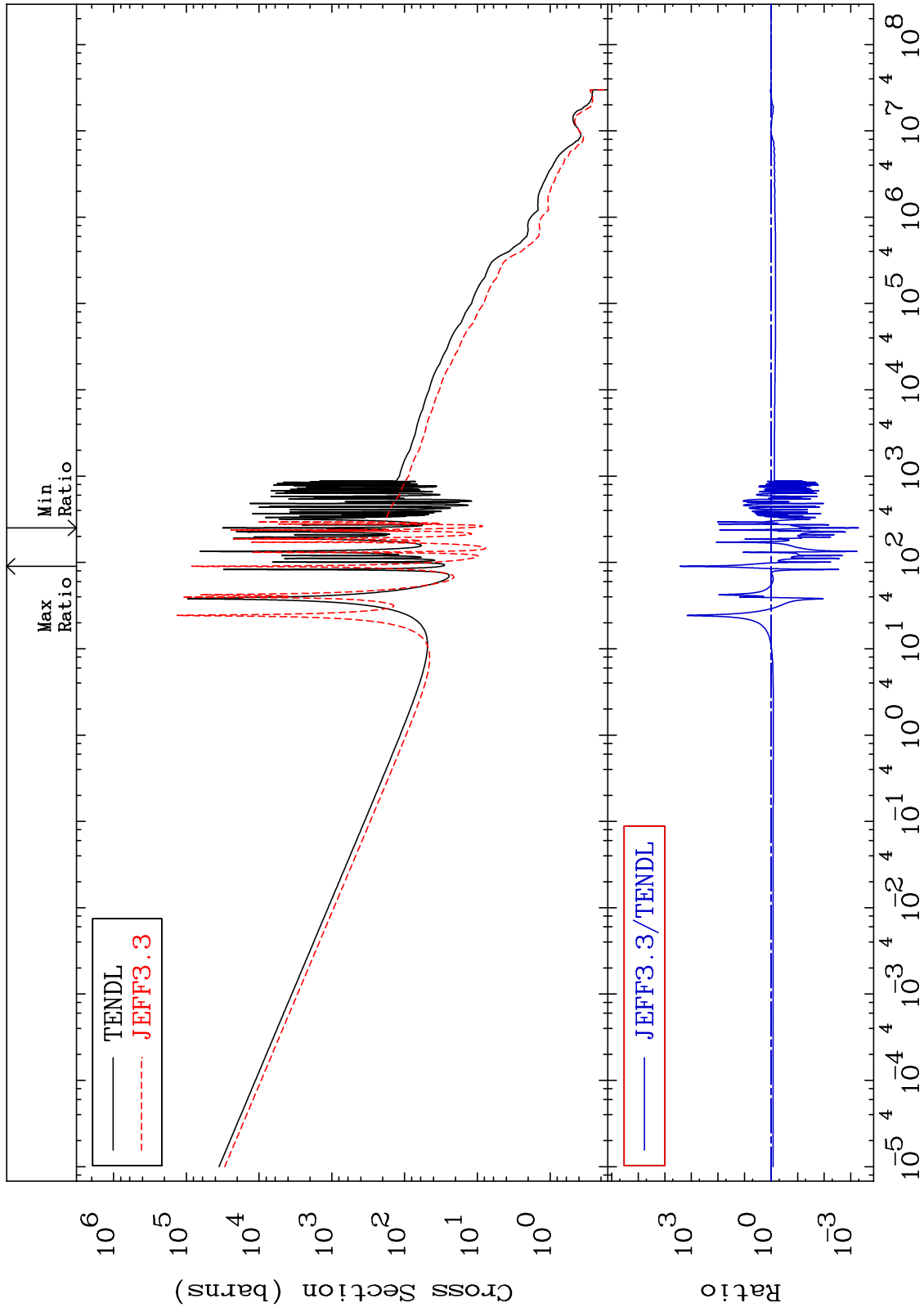
Incident Energy (eV)

45-Rh-101

MAT 4519

Kerma capture (mt102)
Cross Section

45-Rh-101
-99.95 To 9999. %



73

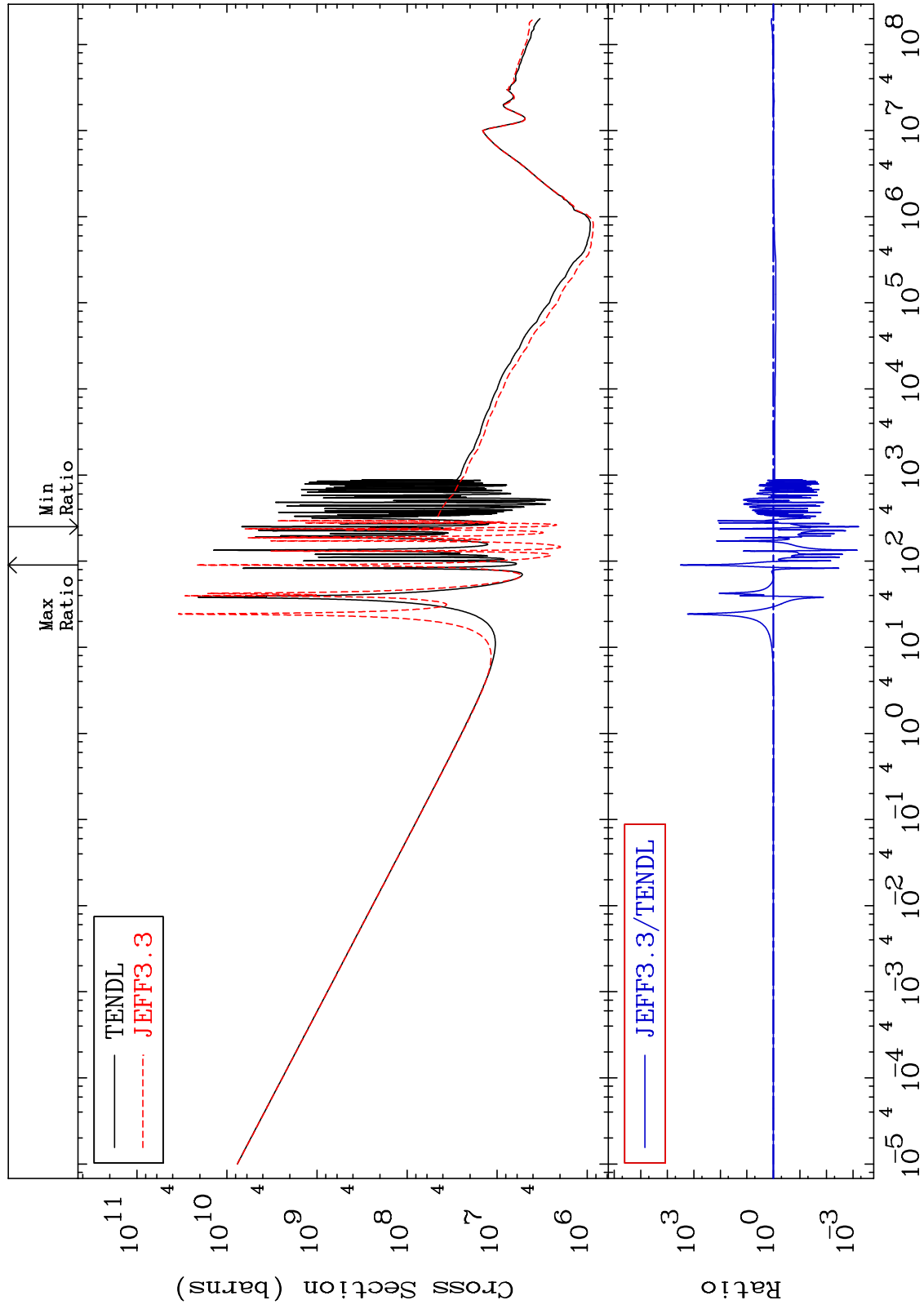
Incident Energy (eV)

45-Rh-101

MAT 4519

Total photon (eV-barns)
Cross Section

45-Rh-101
-99.94 To 9999. %



74

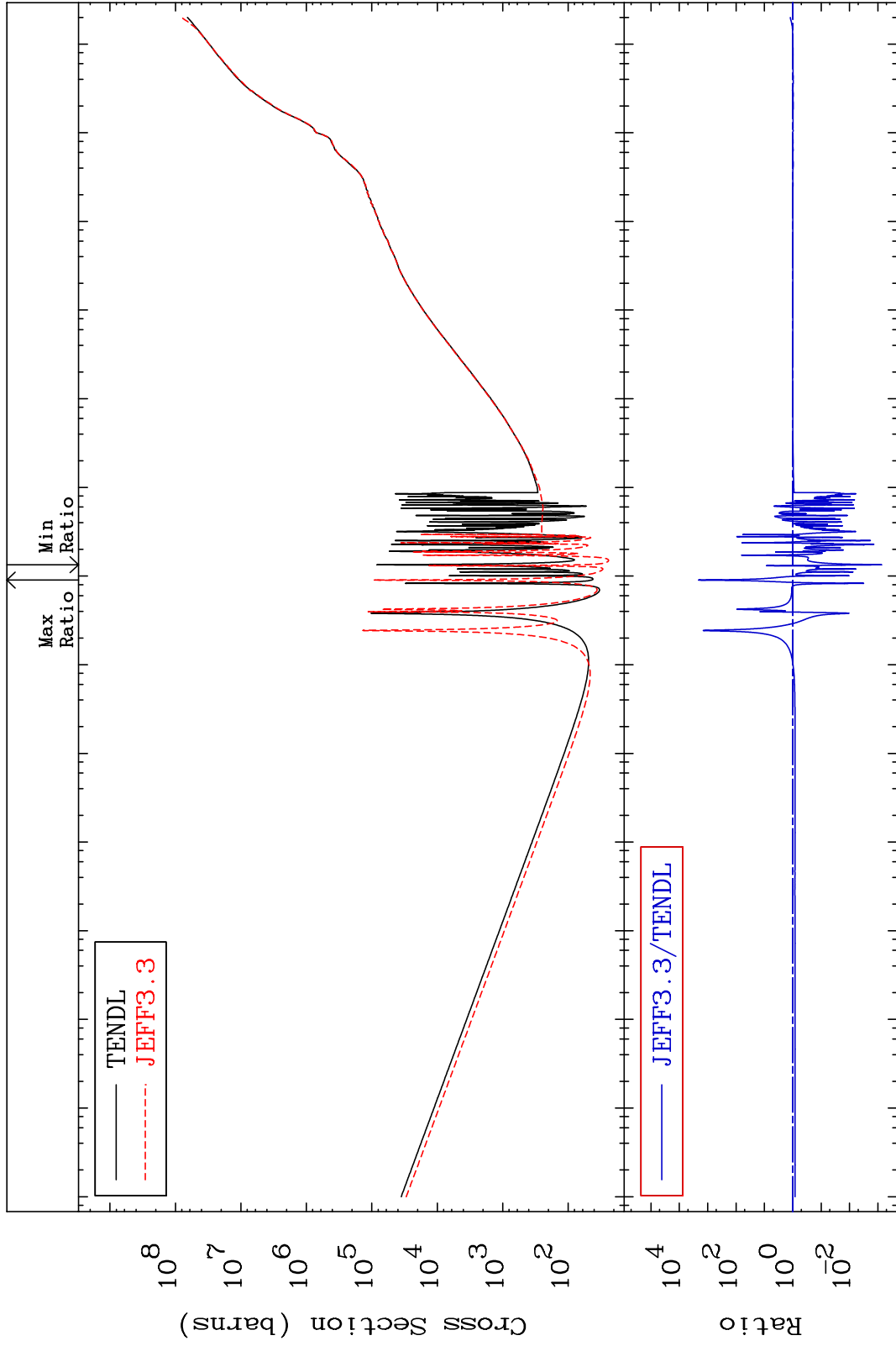
Incident Energy (eV)

45-Rh-101

MAT 4519

Total kinematic kerma (high limit)
Cross Section

45-Rh-101
-99.93 To 9999. %



75

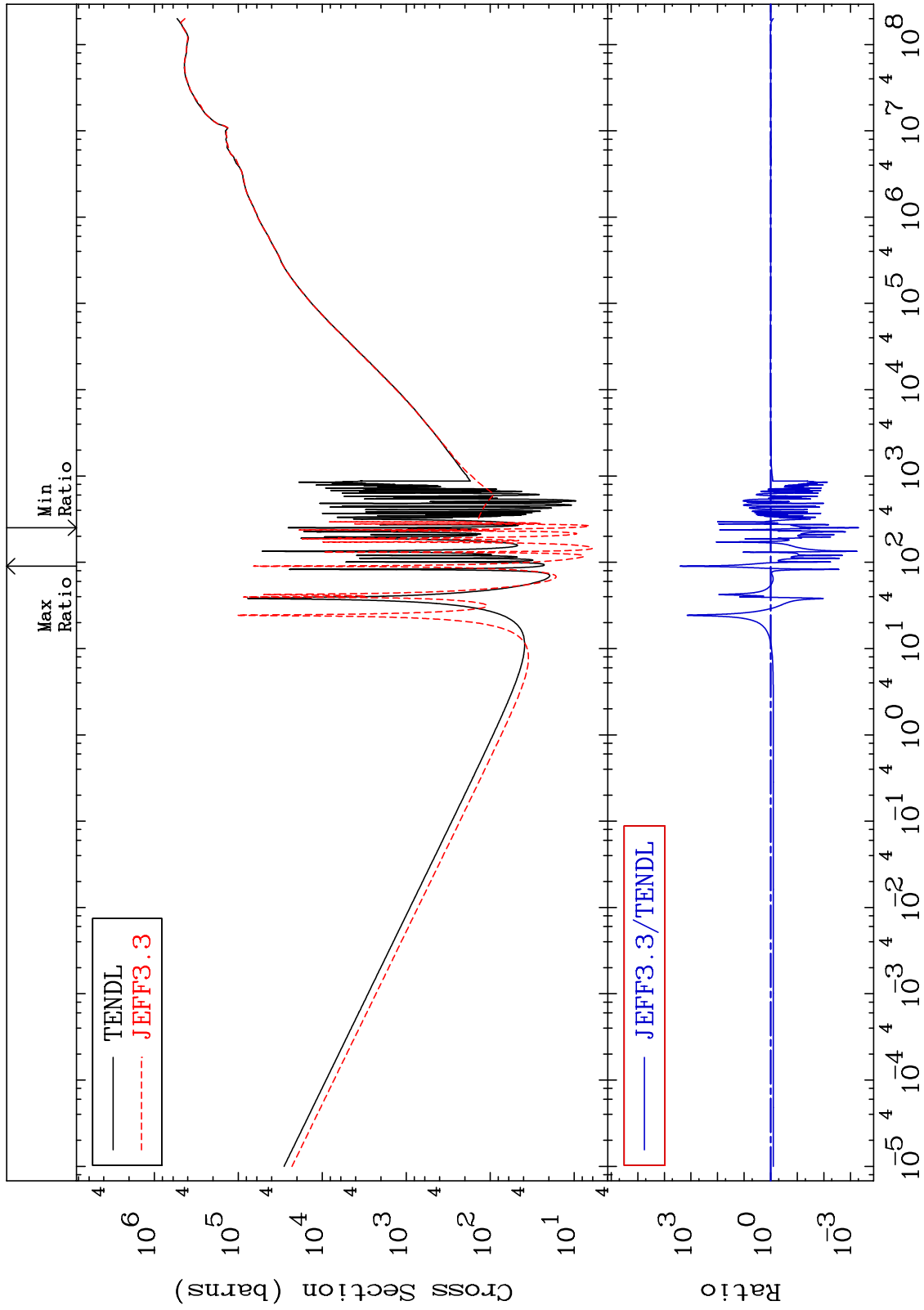
Incident Energy (eV)

45-Rh-101

MAT 4519

Dpa total (eV-barns)
Cross Section

45-Rh-101
-99.95 To 9999. %



76

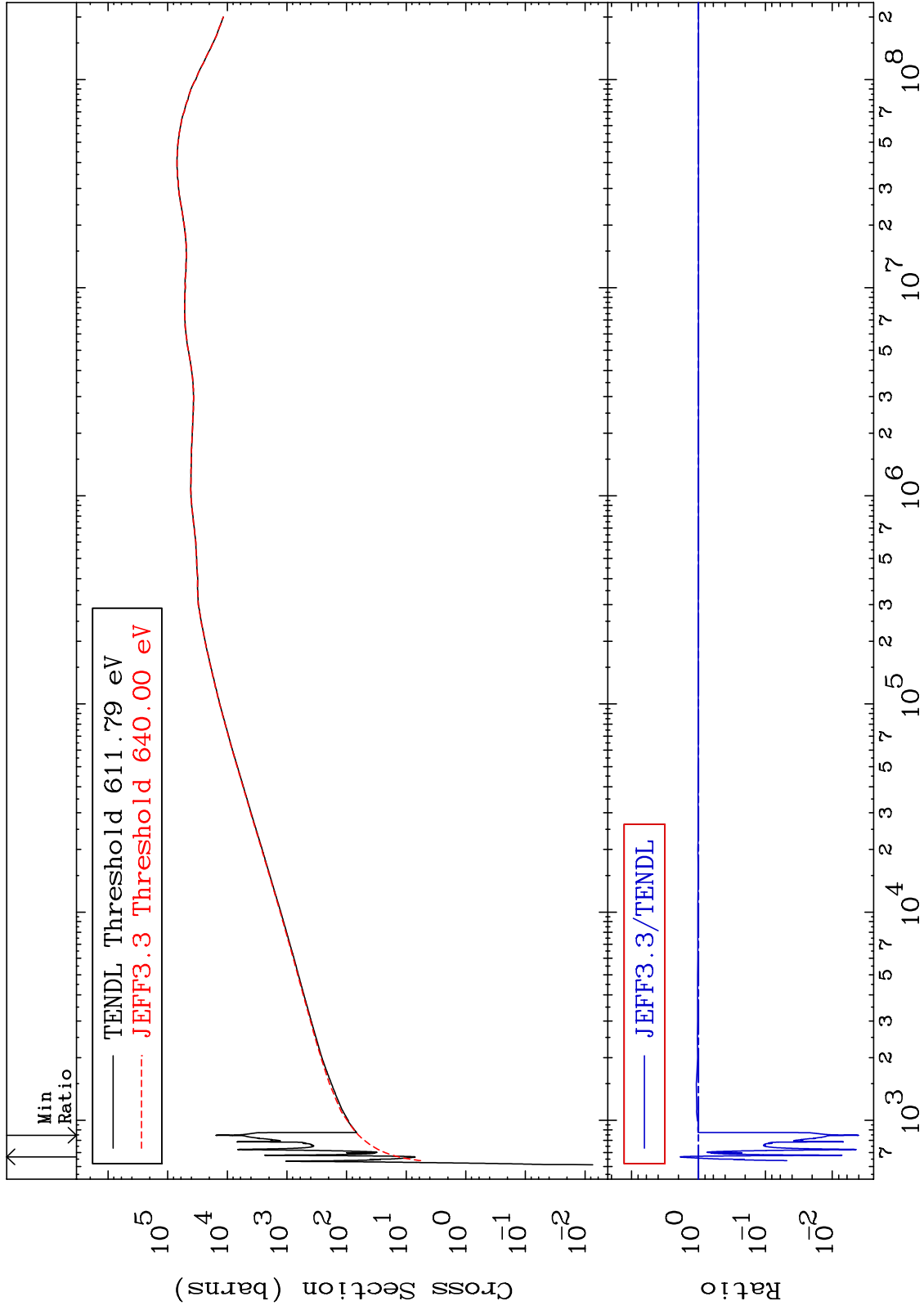
Incident Energy (eV)

45-Rh-101

MAT 4519

Dpa elastic (mt2)
Cross Section

45-Rh-101
-99.59 To 88.94 %



77

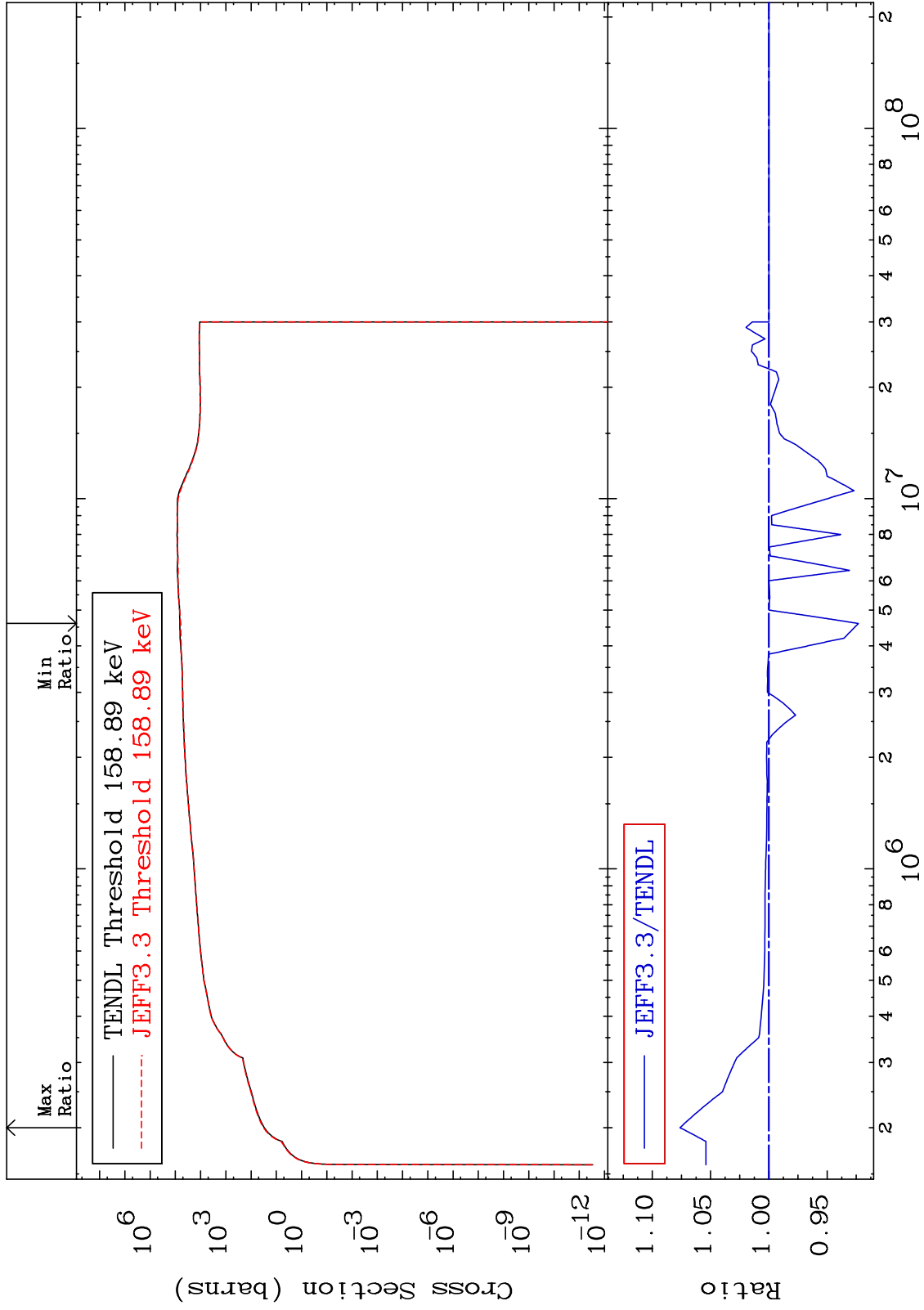
Incident Energy (eV)

45-Rh-101

MAT 4519

Dpa inelastic (mt51-91)
Cross Section

45-Rh-101
-7.685 To 7.622 %



78

45-Rh-101

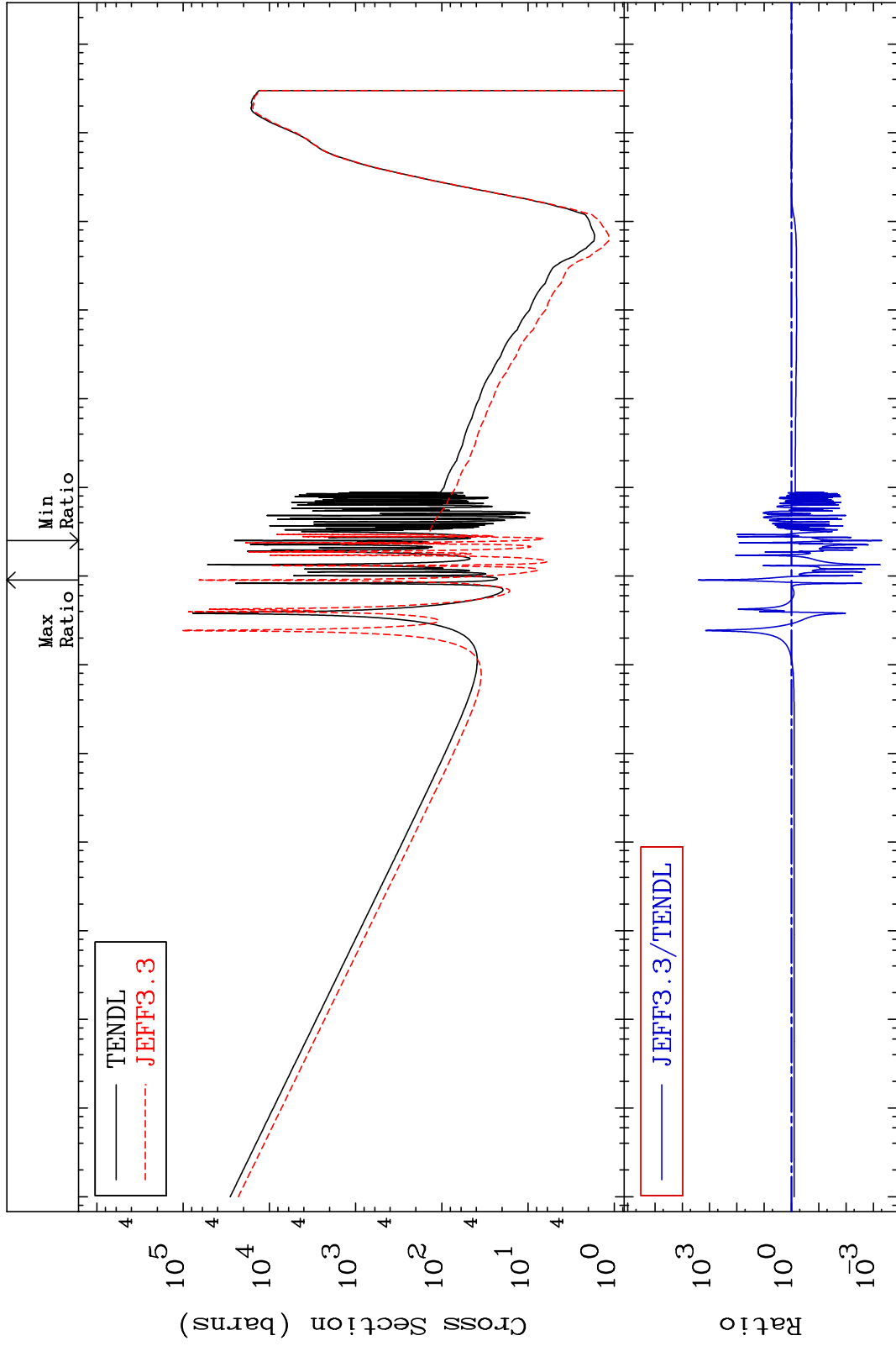
MAT 4519

Dpa disappearance (mt102 -120)

45-Rh-101

-99.95 To 9999. %

Cross Section



79

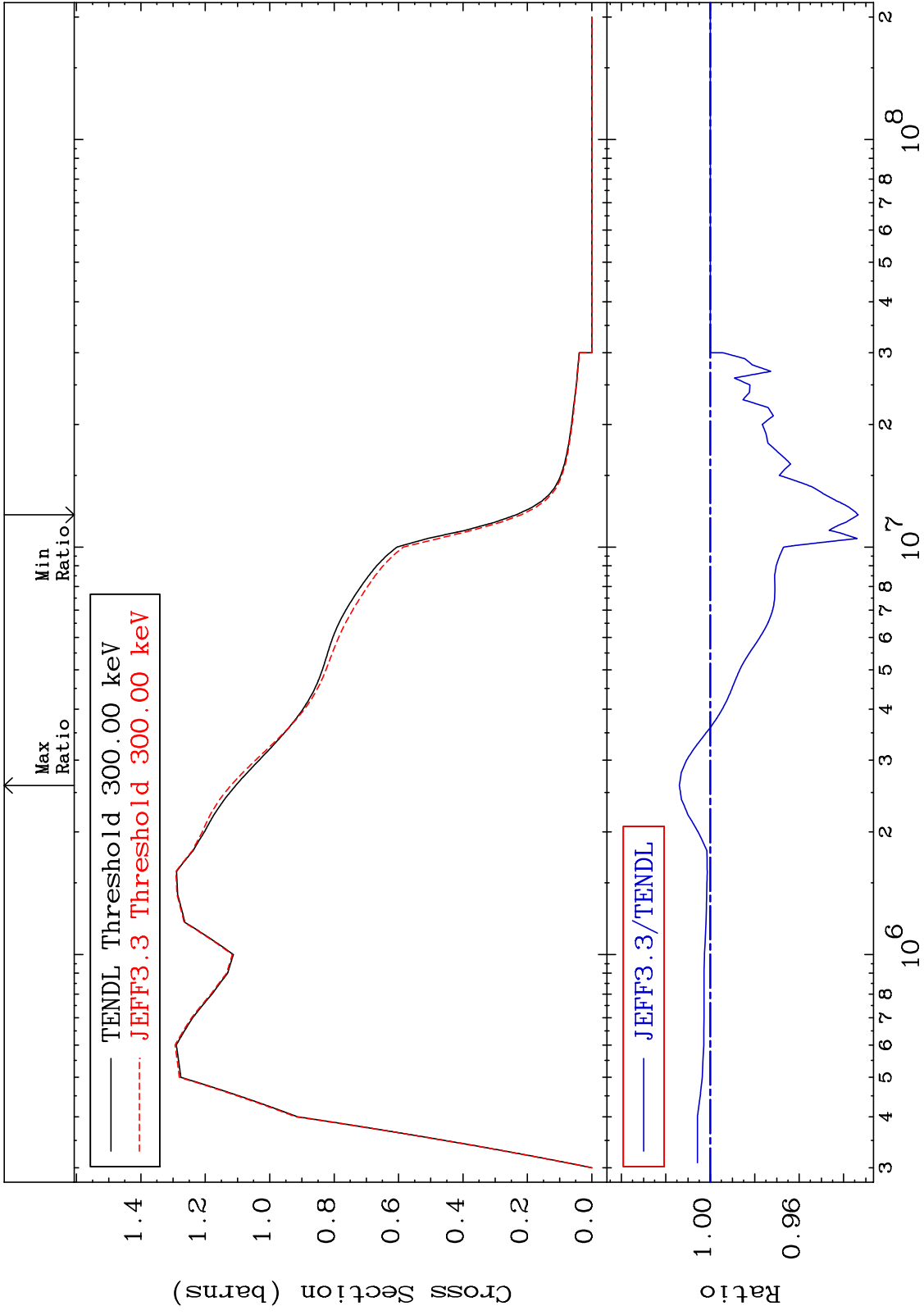
Incident Energy (eV)

45-Rh-101

MAT 4519

Inelastic: 45-Rh-101g
Radionuclide Production Cross Section -6.658 To 1.389 %

45-Rh-101



80

Incident Energy (eV)

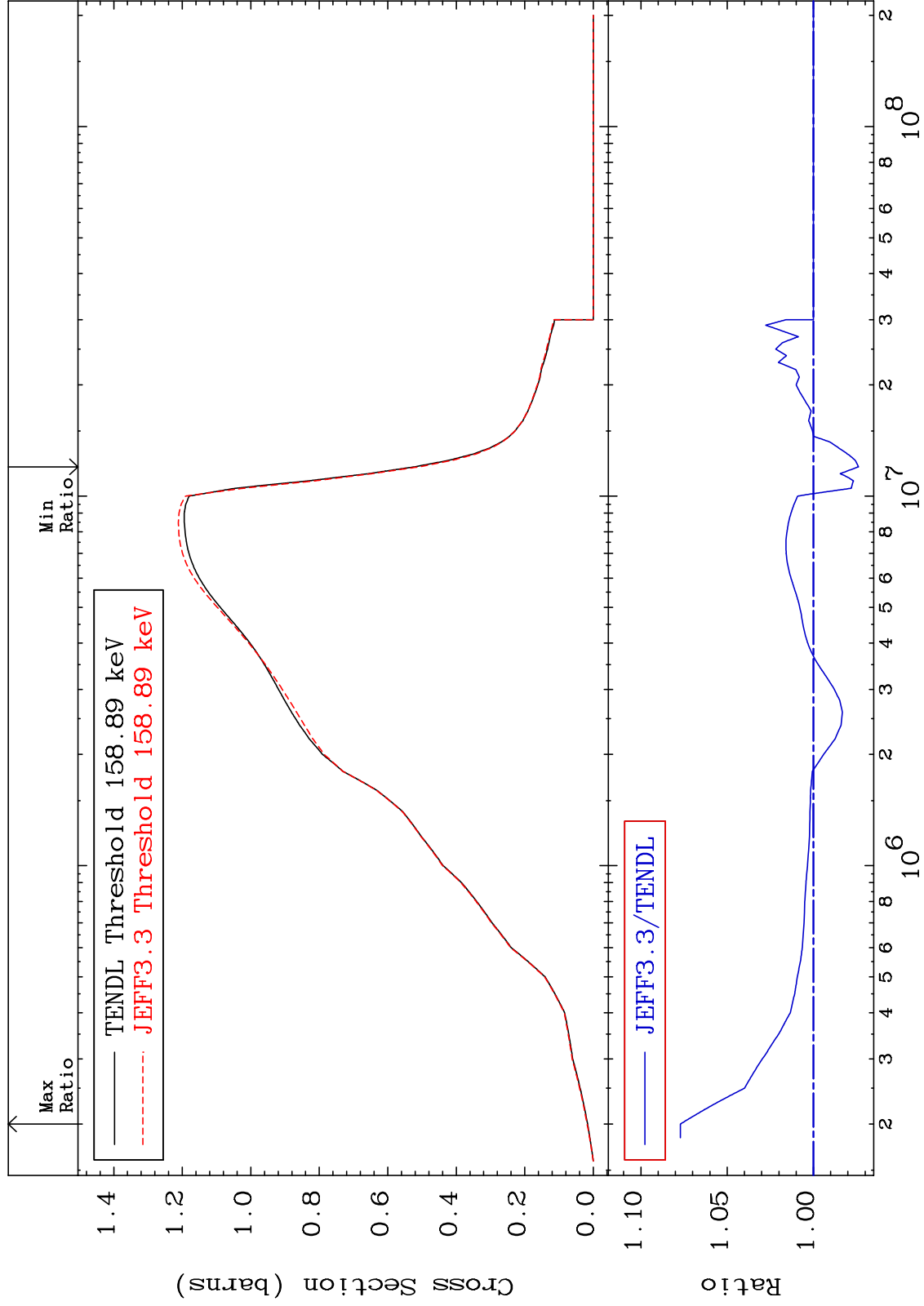
45-Rh-101

MAT 4519

Inelastic:45-Rh-101m1

45-Rh-101

Radionuclide Production Cross Section -2.615 To 7.707 %

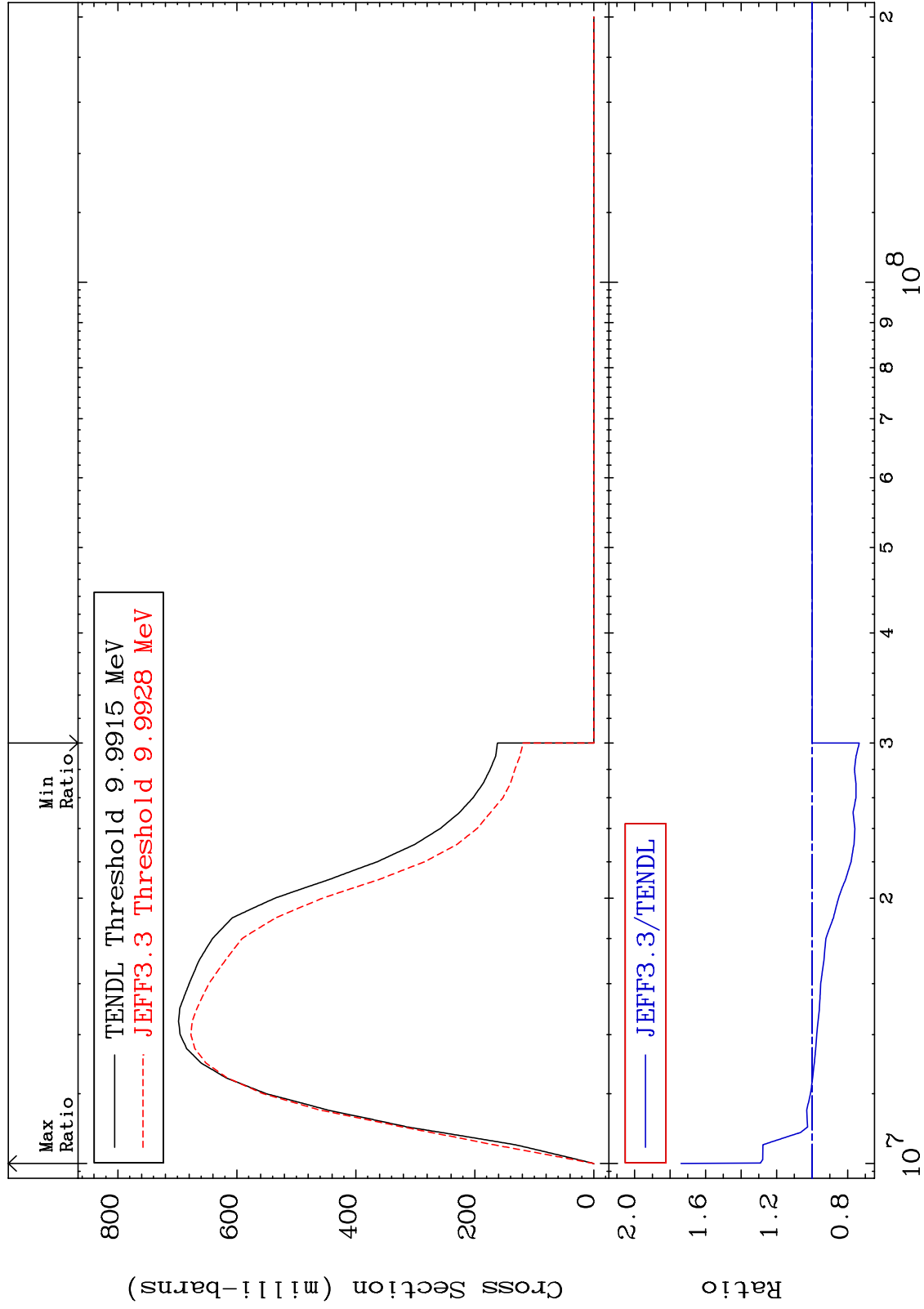


MAT 4519

(n,2n) : 45-Rh-100g

45-Rh-101

Radionuclide Production Cross Section -26.58 To 73.83 %



82

Incident Energy (eV)

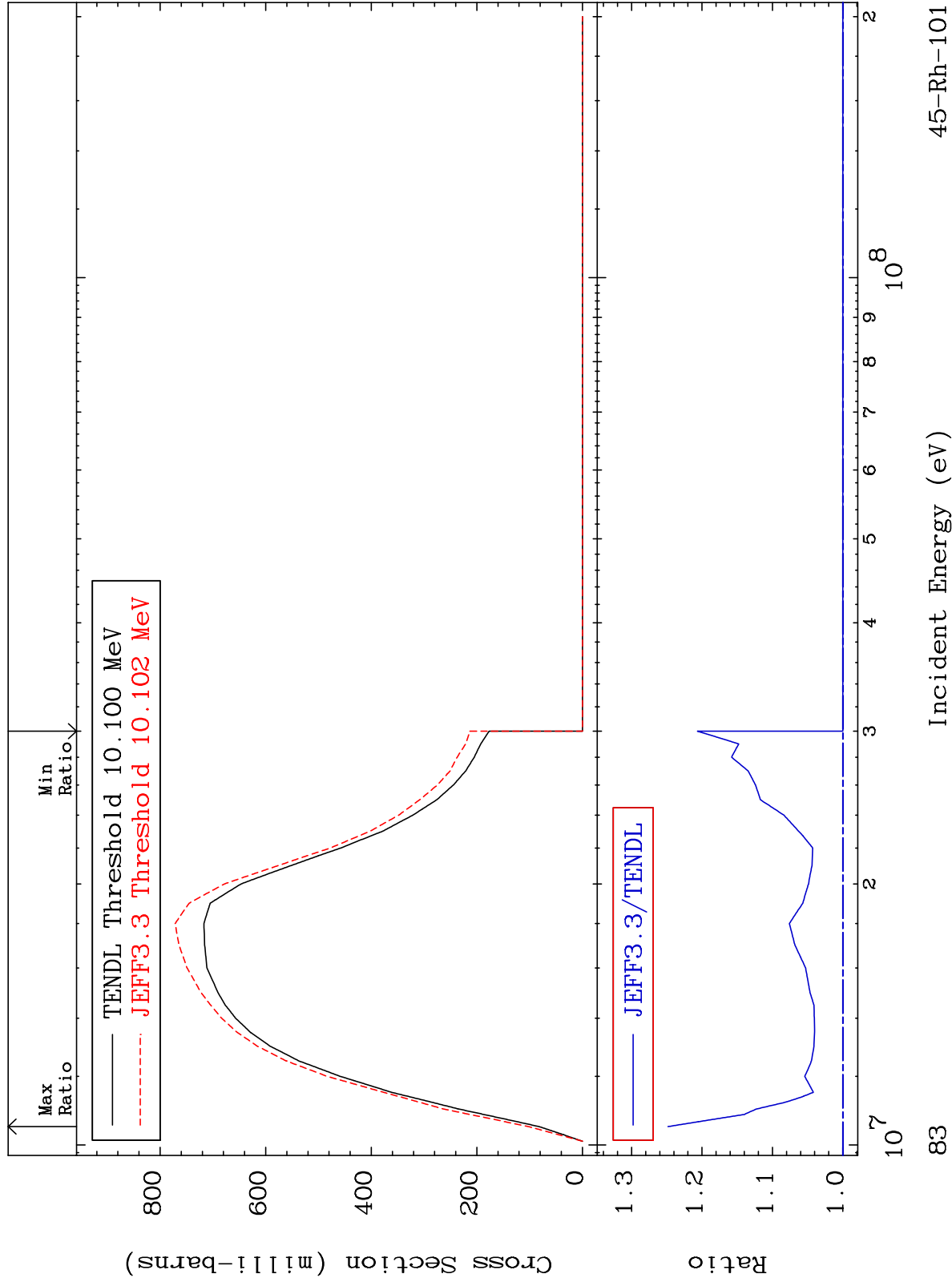
45-Rh-101

MAT 4519

(n,2n) : 45-Rh-100m4

45-Rh-101

Radionuclide Production Cross Section 0.000 To 24.83 %

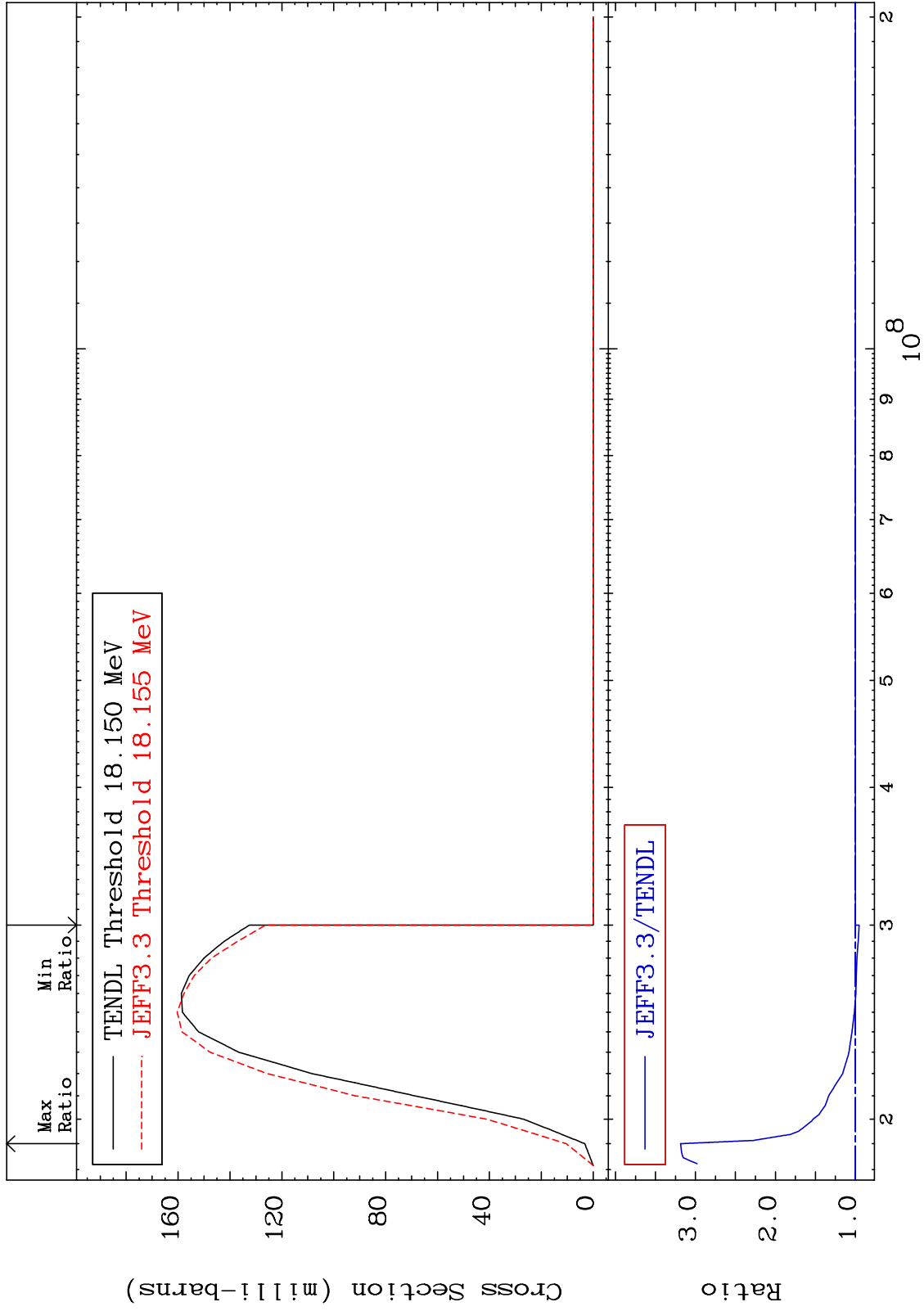


MAT 4519

(n,3n) : 45-Rh-99g

45-Rh-101

Radionuclide Production Cross Section -4.769 To 218.6 %

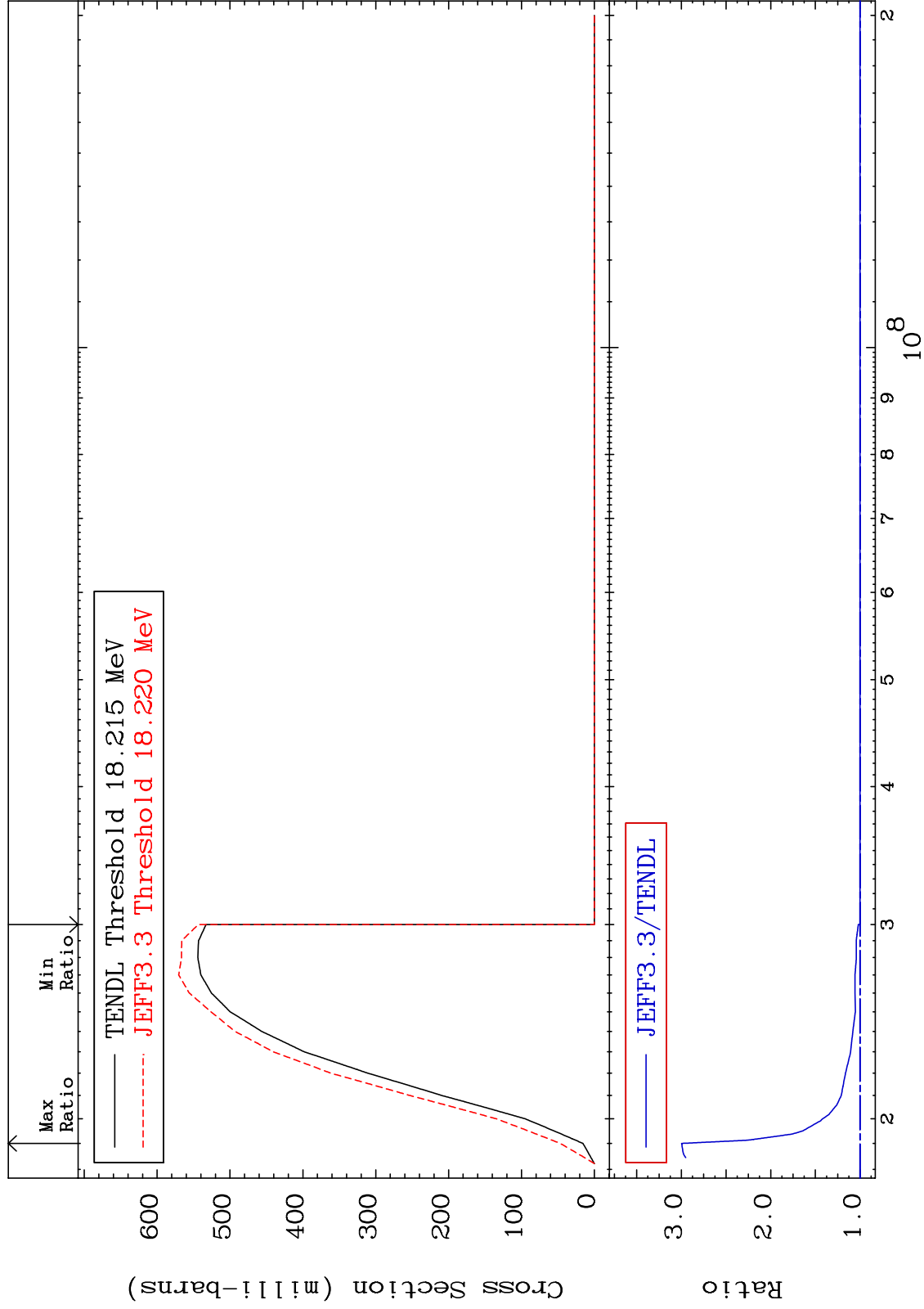


MAT 4519

(n,3n) : 45-Rh-99m1

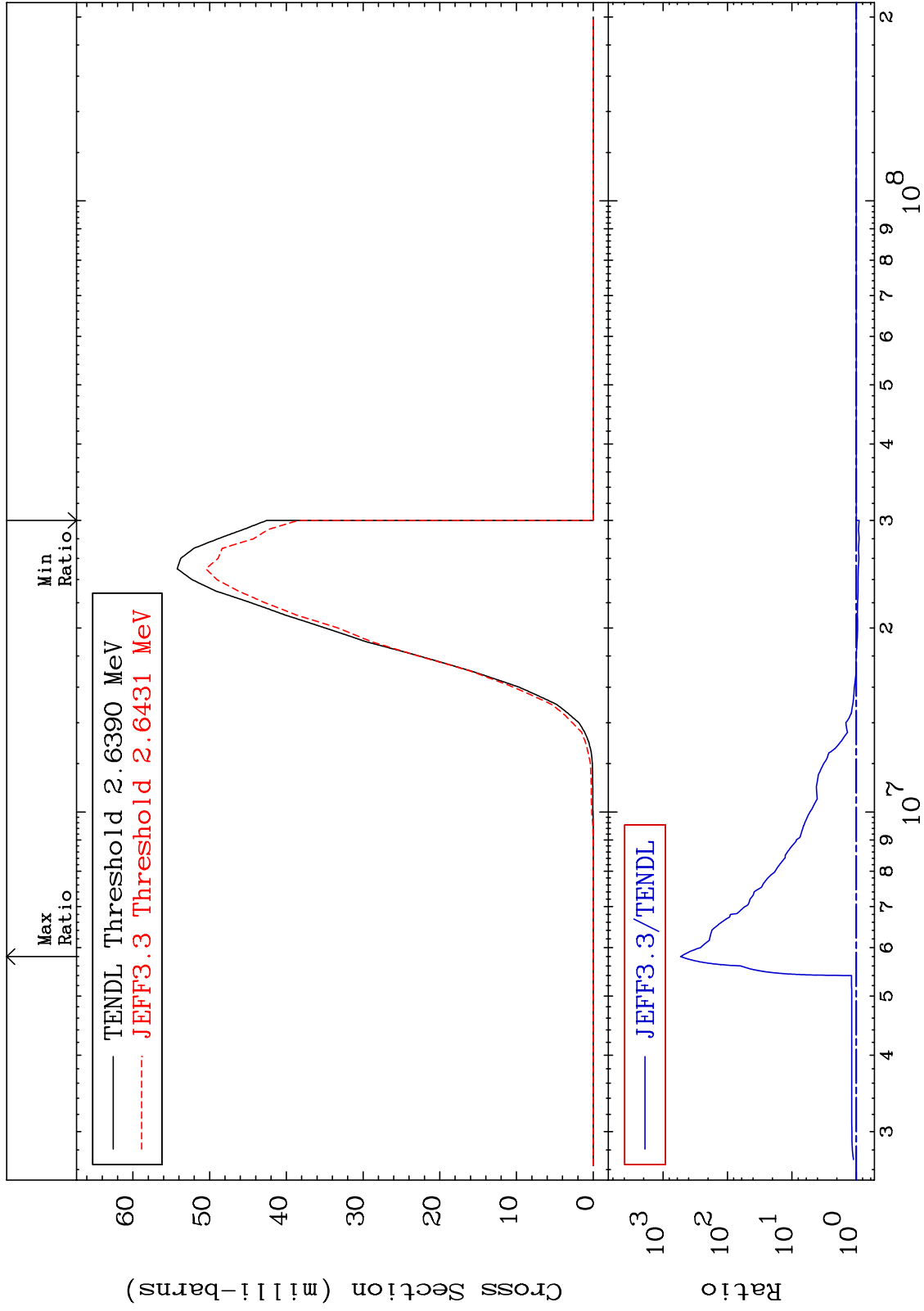
45-Rh-101

Radionuclide Production Cross Section 0.000 To 199.7 %



MAT 4519

(n, n') α : 43-Tc-97g 45-Rh-101
Radionuclide Production Cross Section -9.634 To 9999. %

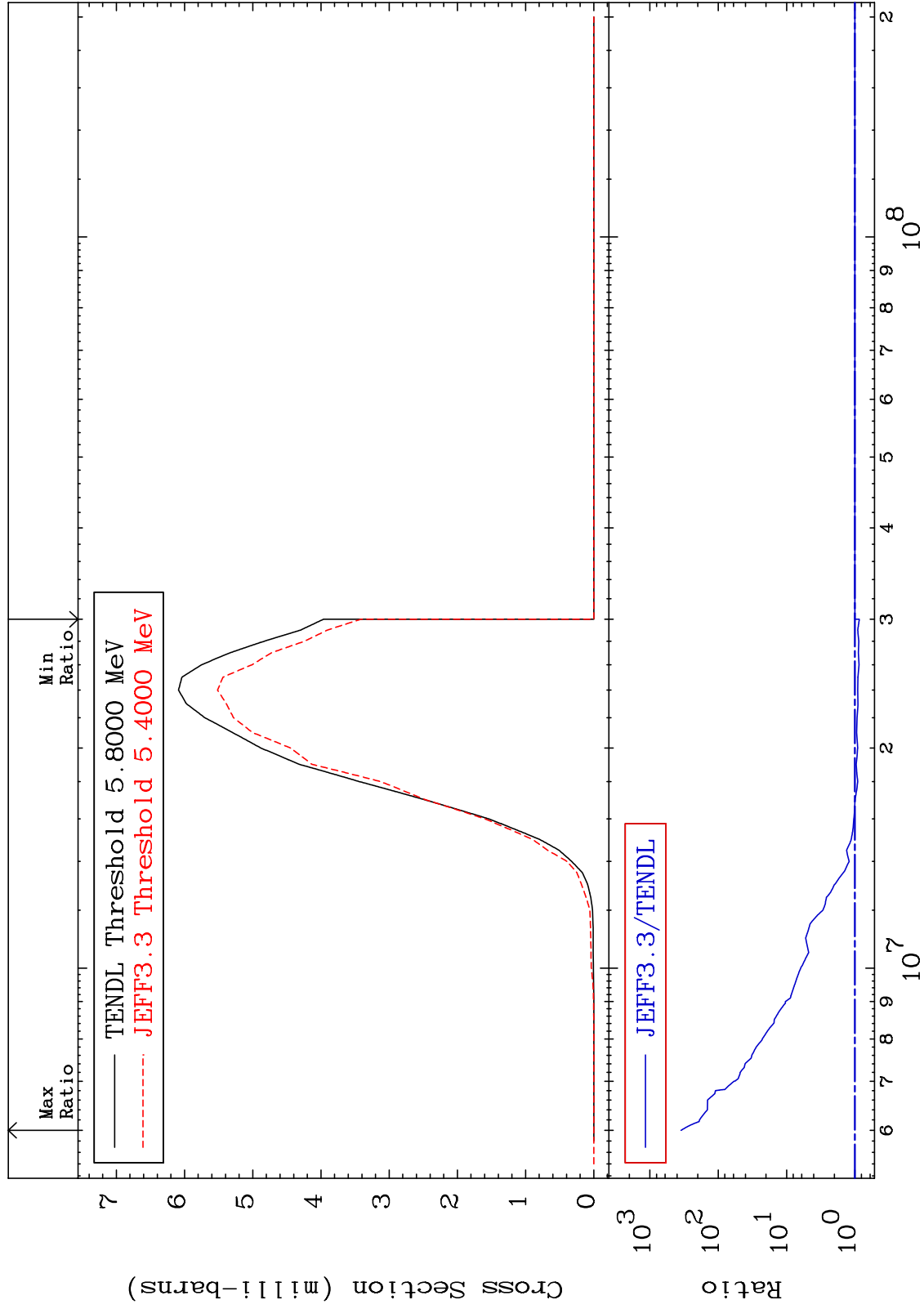


MAT 4519

(n, n') α : 43-Tc-97m1

45-Rh-101

Radionuclide Production Cross Section -13.80 To 9999. %



87

Incident Energy (eV)

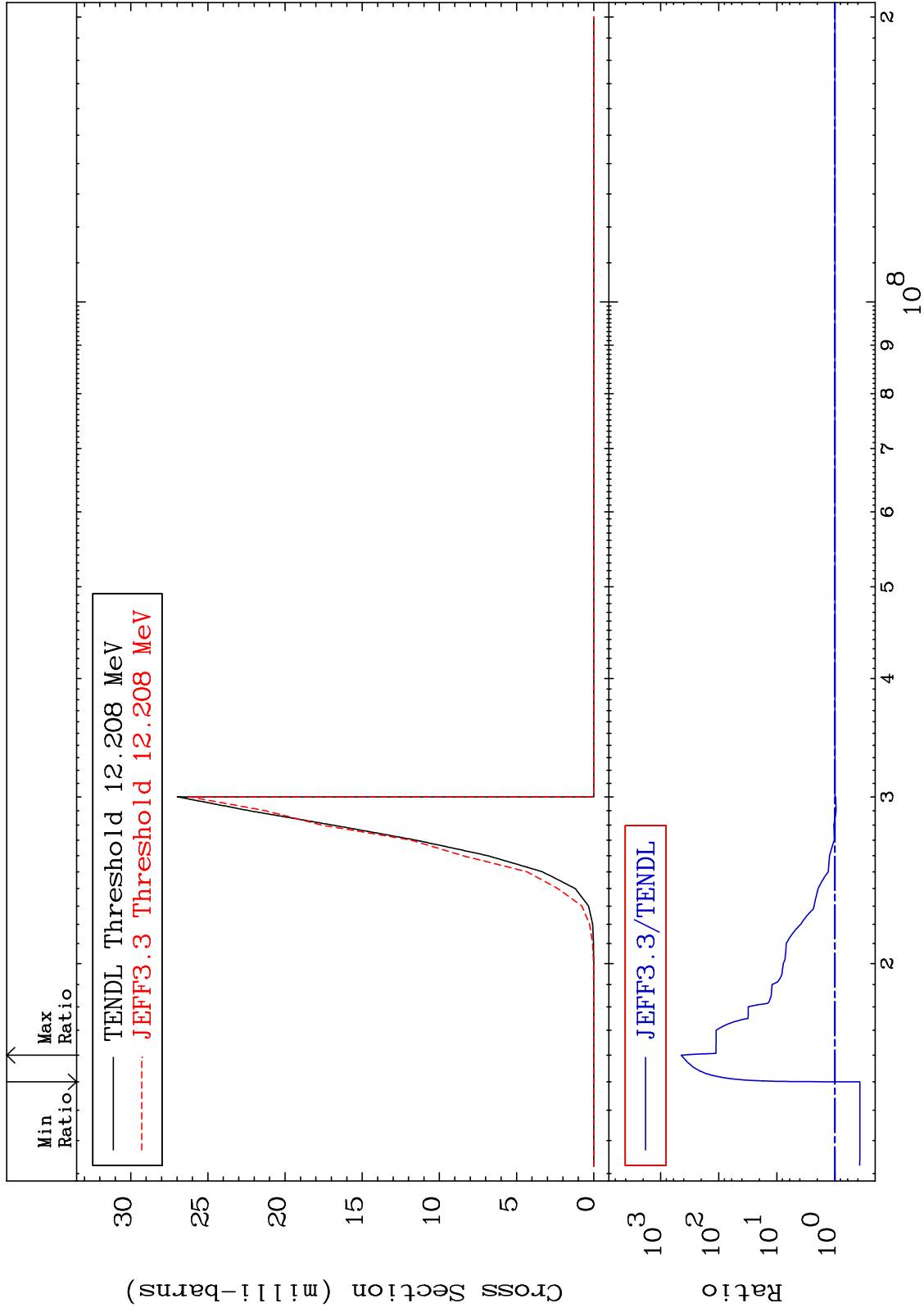
45-Rh-101

MAT 4519

(n,2n) α : 43-Tc-96g

45-Rh-101

Radionuclide Production Cross Section -62.97 To 9999. %

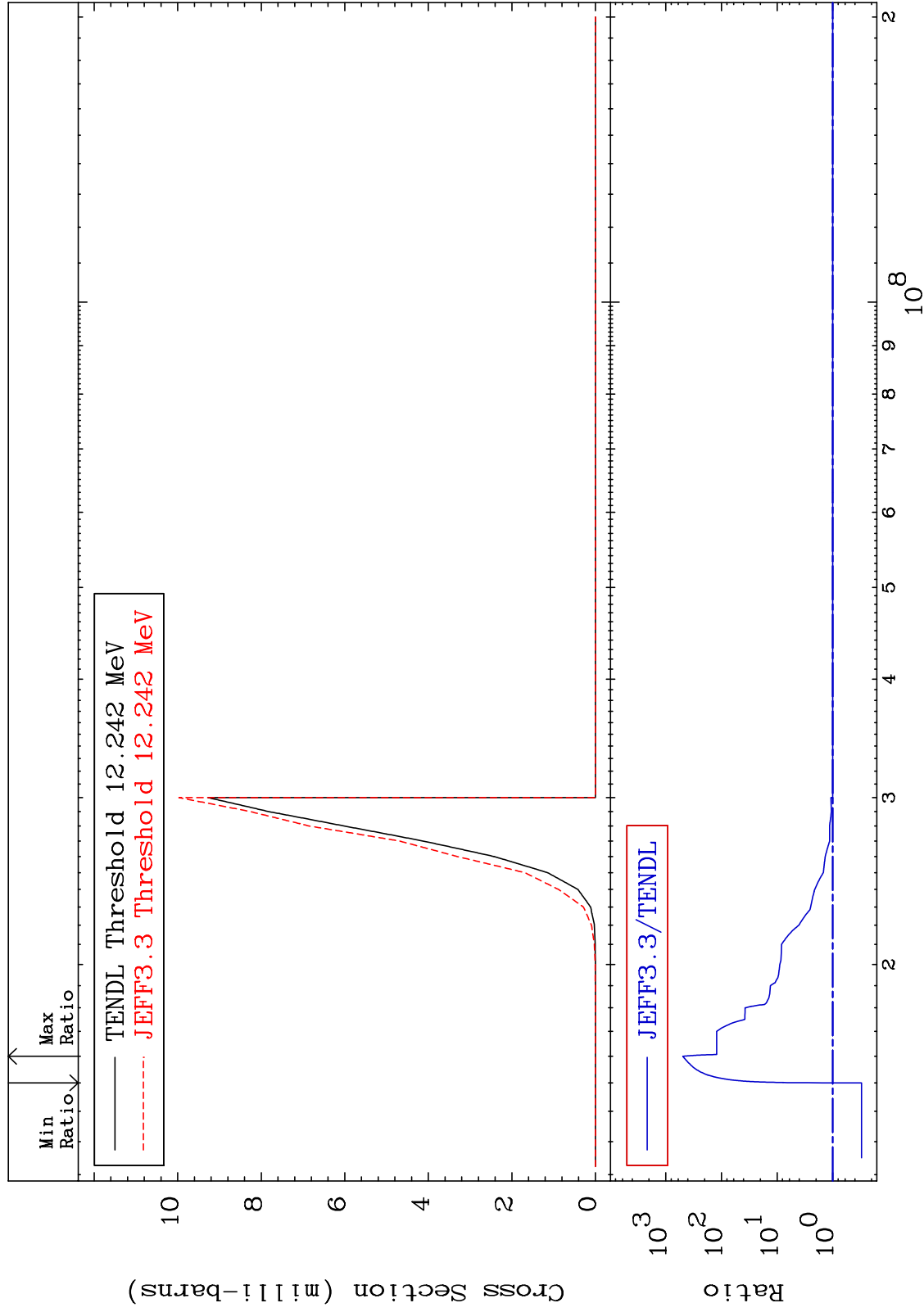


MAT 4519

(n,2n) α :43-Tc-96m1

45-Rh-101

Radionuclide Production Cross Section -69.67 To 9999. %

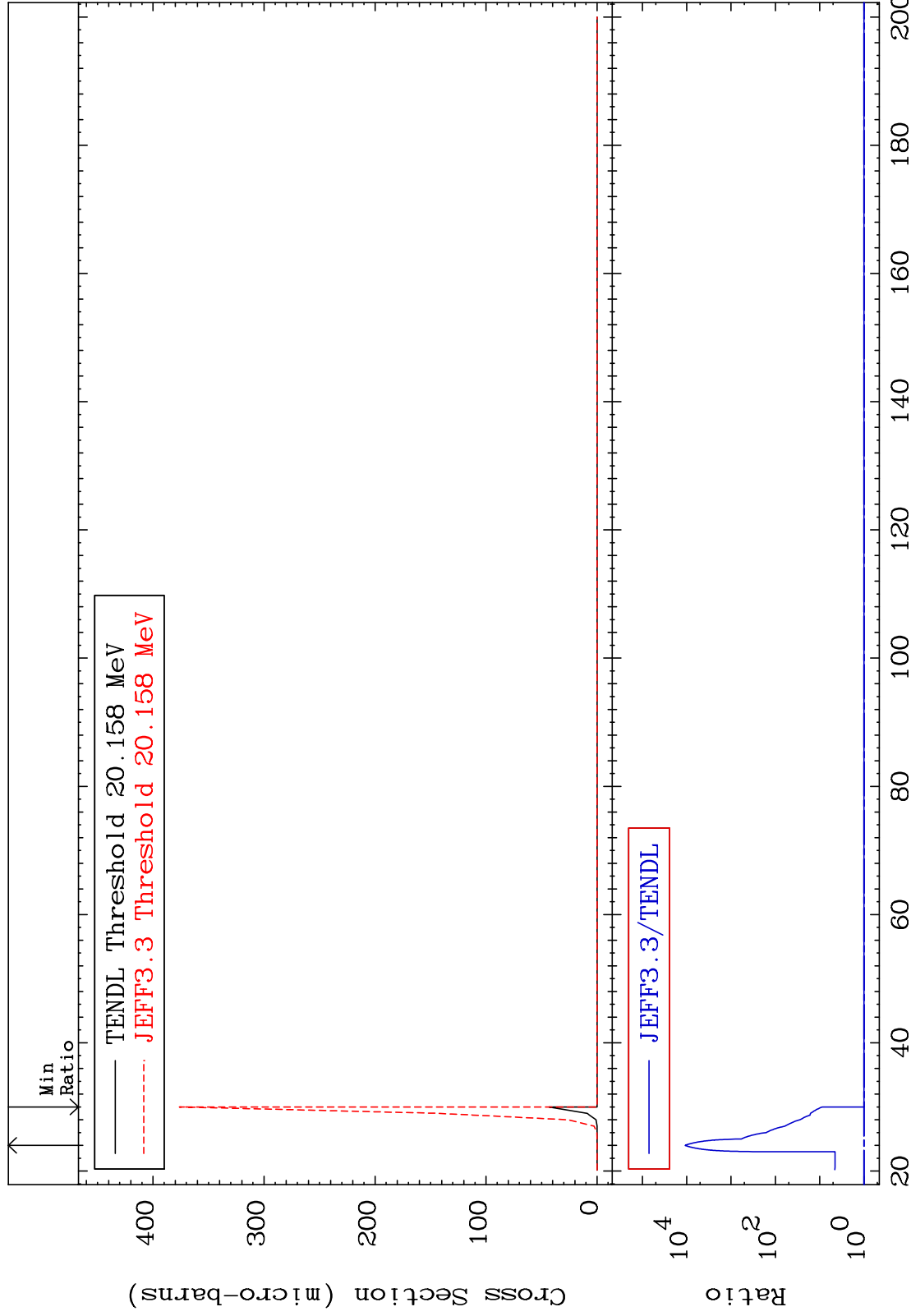


MAT 4519

(n,3n) α : 43-Tc-95g

45-Rh-101

Radionuclide Production Cross Section 0.000 To 9999. %



90

Incident Energy (MeV)

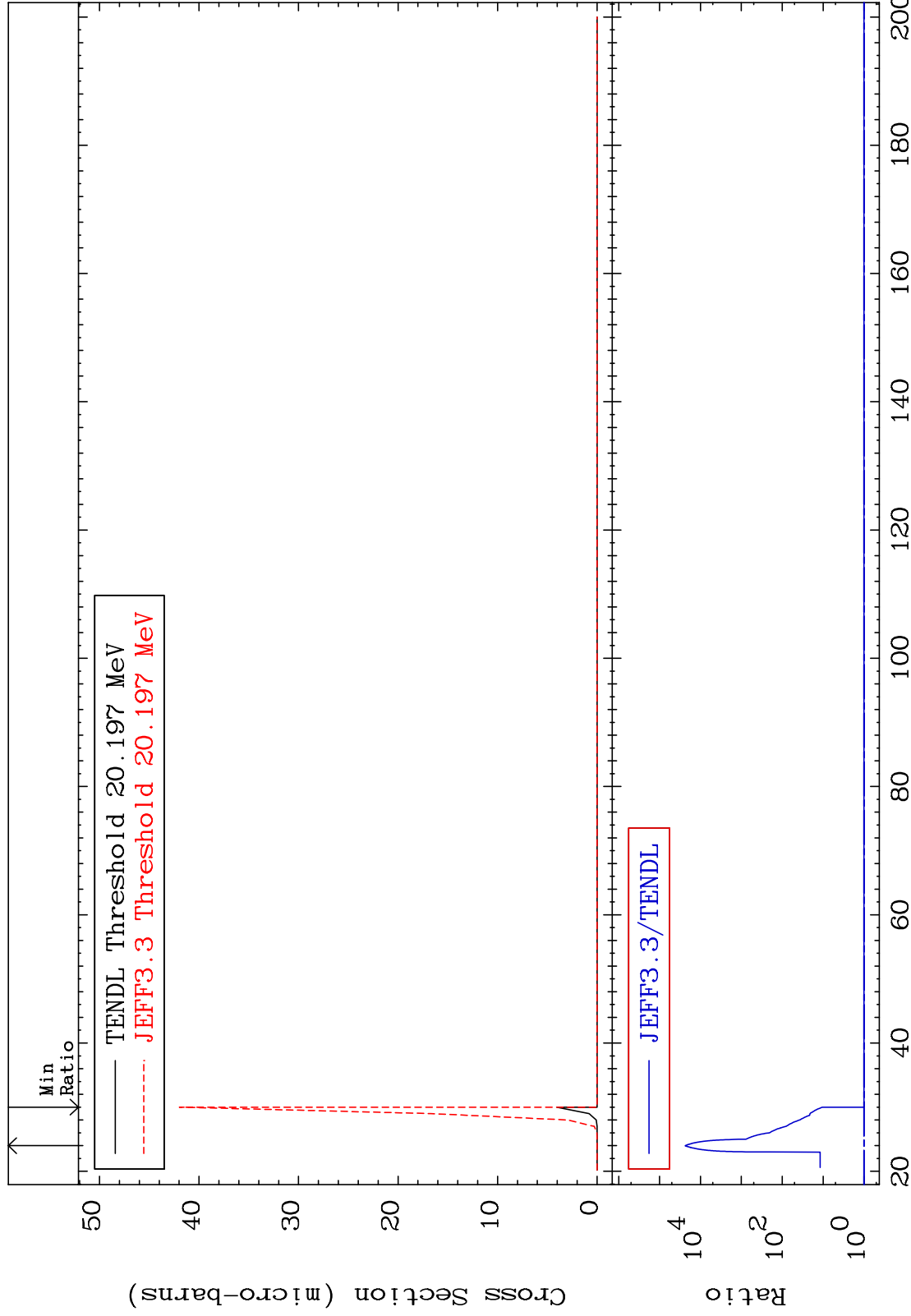
45-Rh-101

MAT 4519

(n,3n) α :43-Tc-95m1

45-Rh-101

Radionuclide Production Cross Section 0.000 To 9999. %

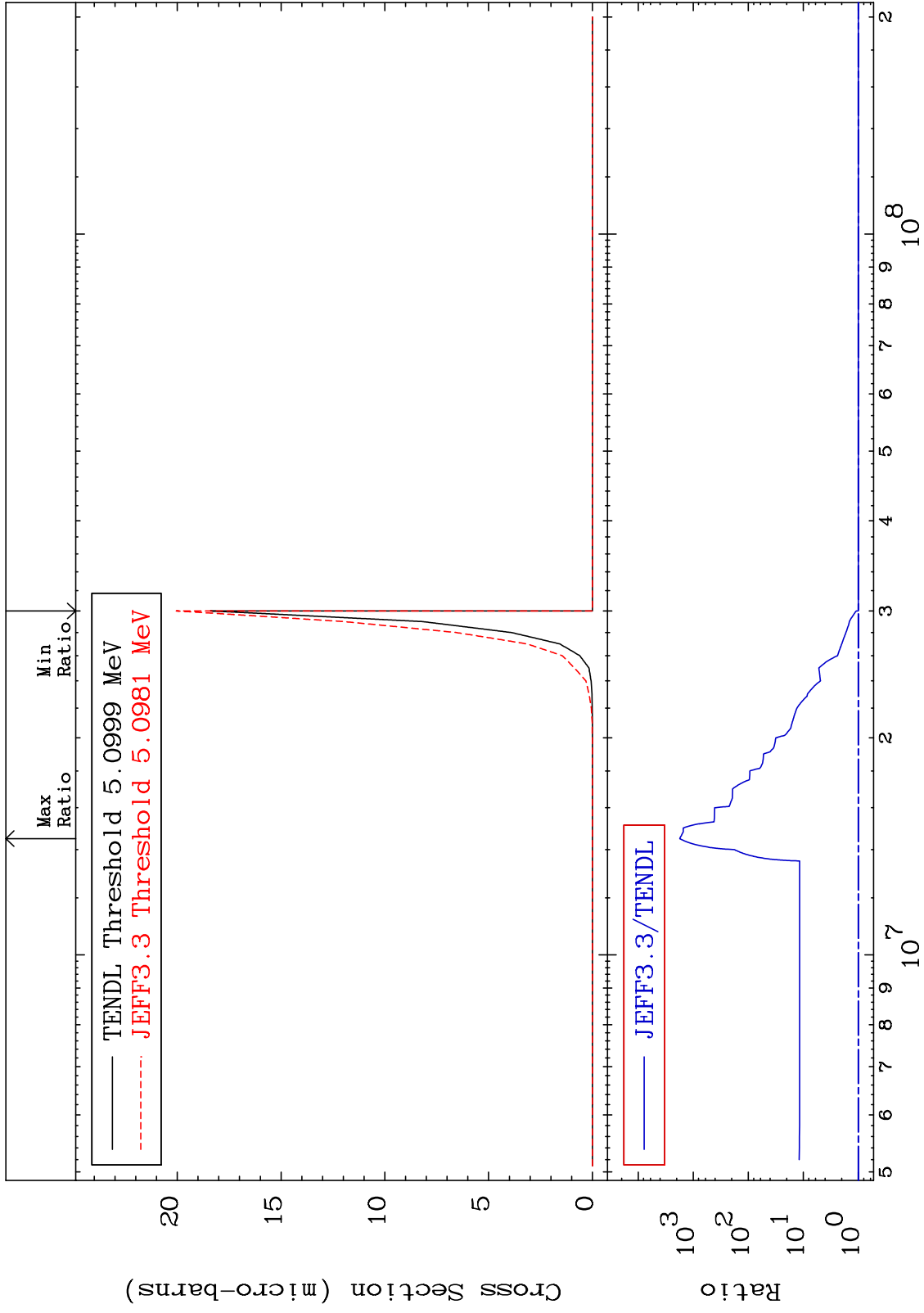


MAT 4519

45-Rh-101

(n, n') 2α: 41-Nb-93g

Radionuclide Production Cross Section 0.000 To 9999. %



45-Rh-101

Incident Energy (eV)

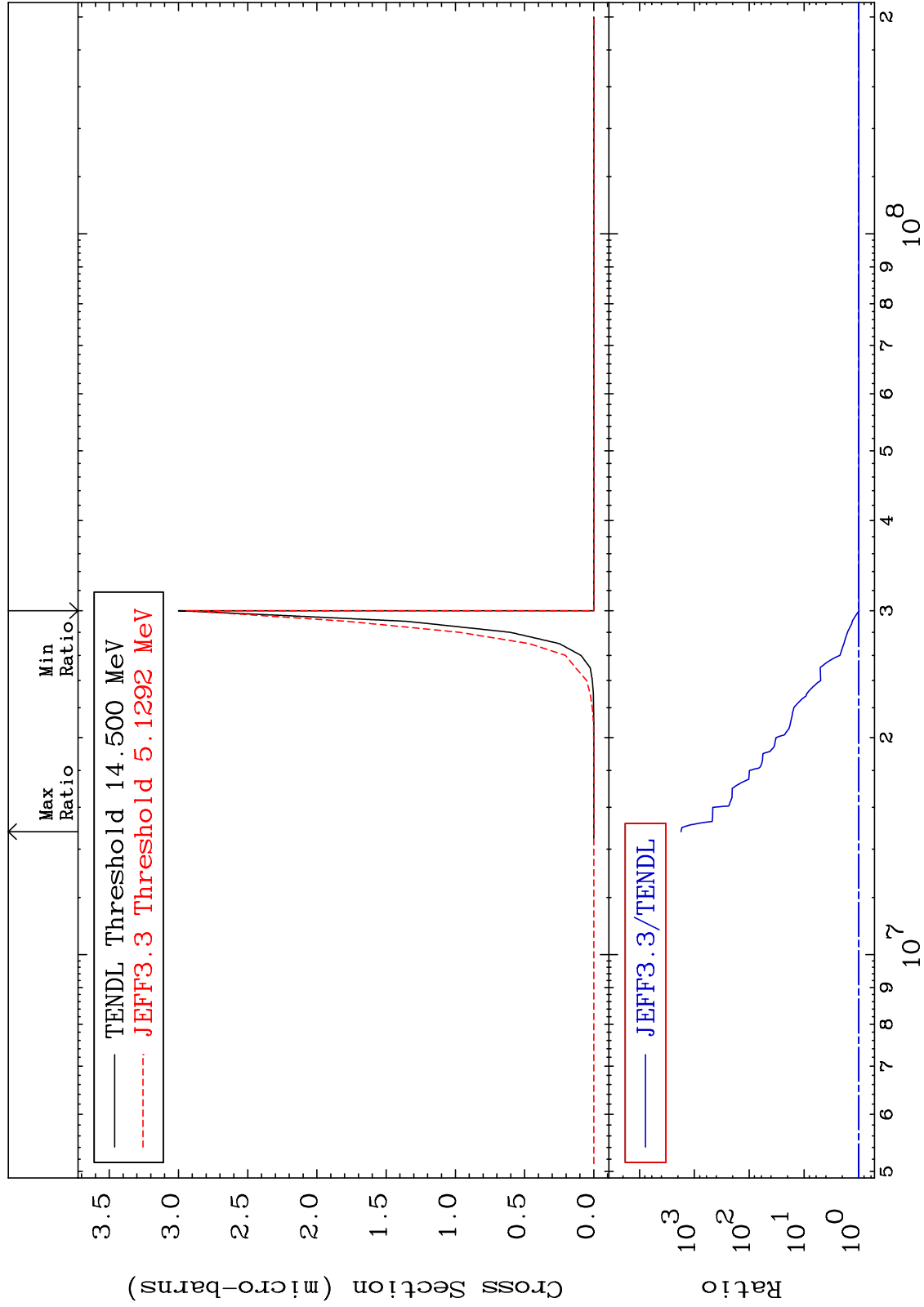
92

MAT 4519

(n, n') 2α: 41-Nb-93m1

45-Rh-101

Radionuclide Production Cross Section -1.991 To 9999. %



93

Incident Energy (eV)

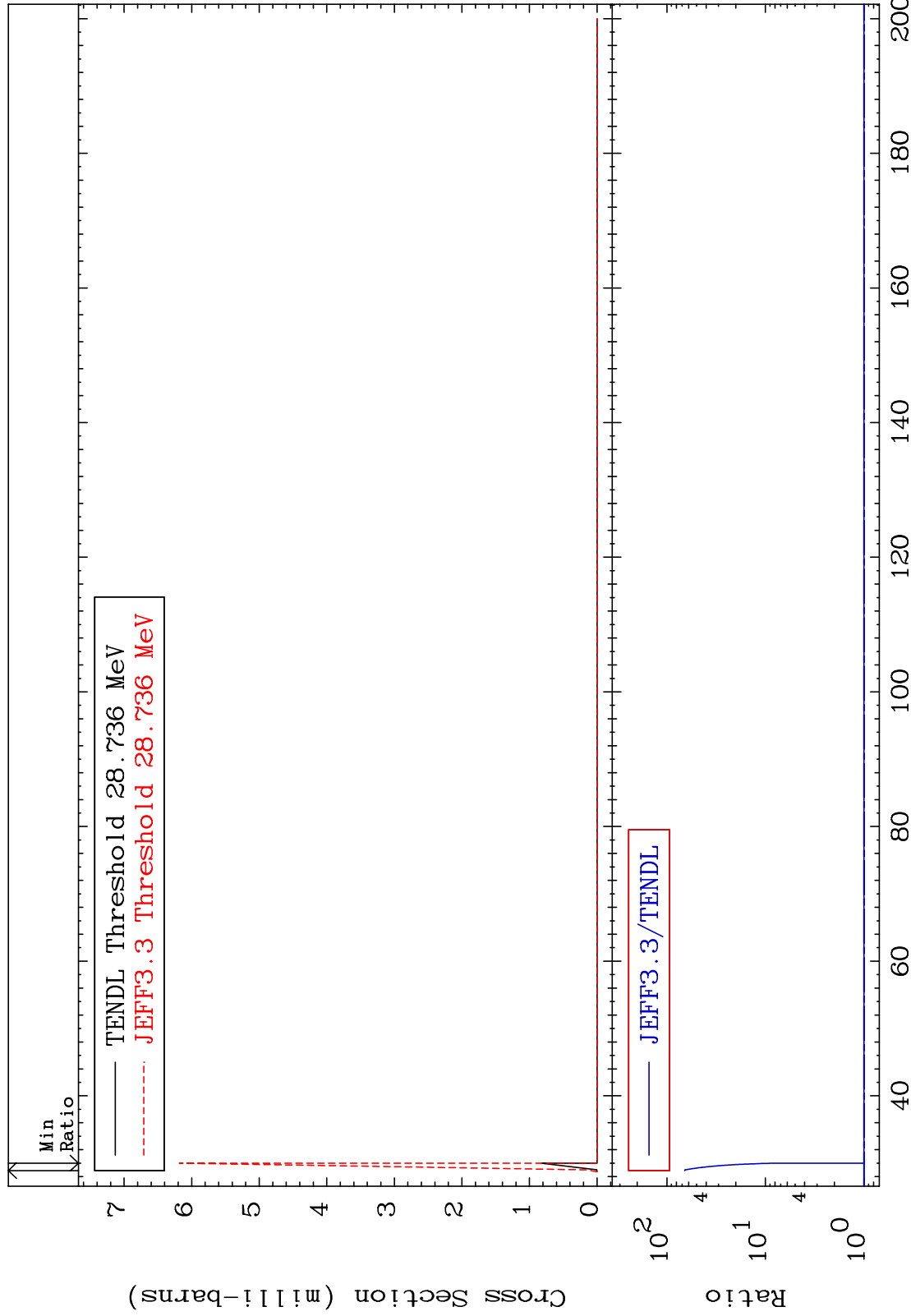
45-Rh-101

MAT 4519

(n, 4n) : 45-Rh-98g

45-Rh-101

Radionuclide Production Cross Section 0.000 To 6484. %

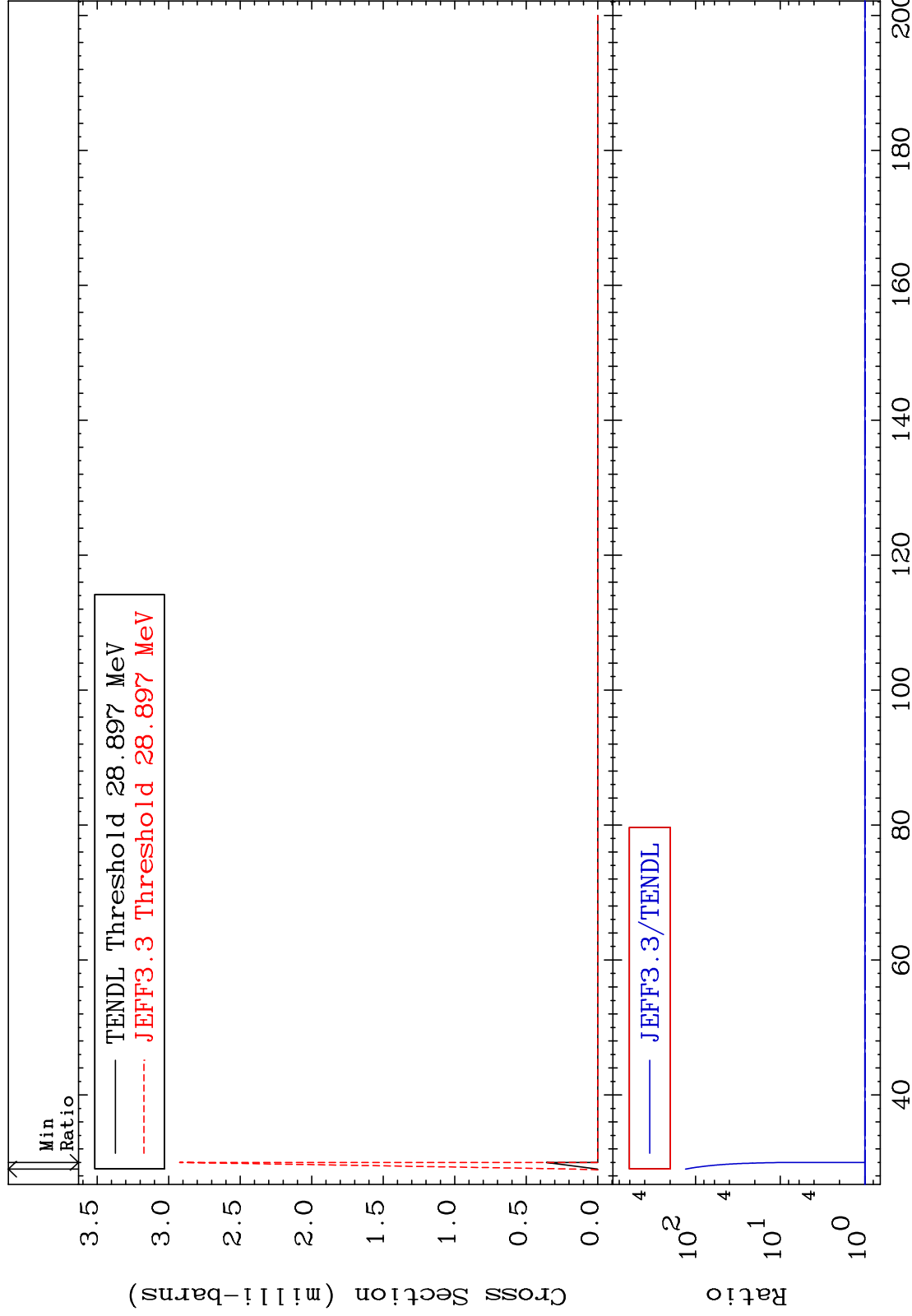


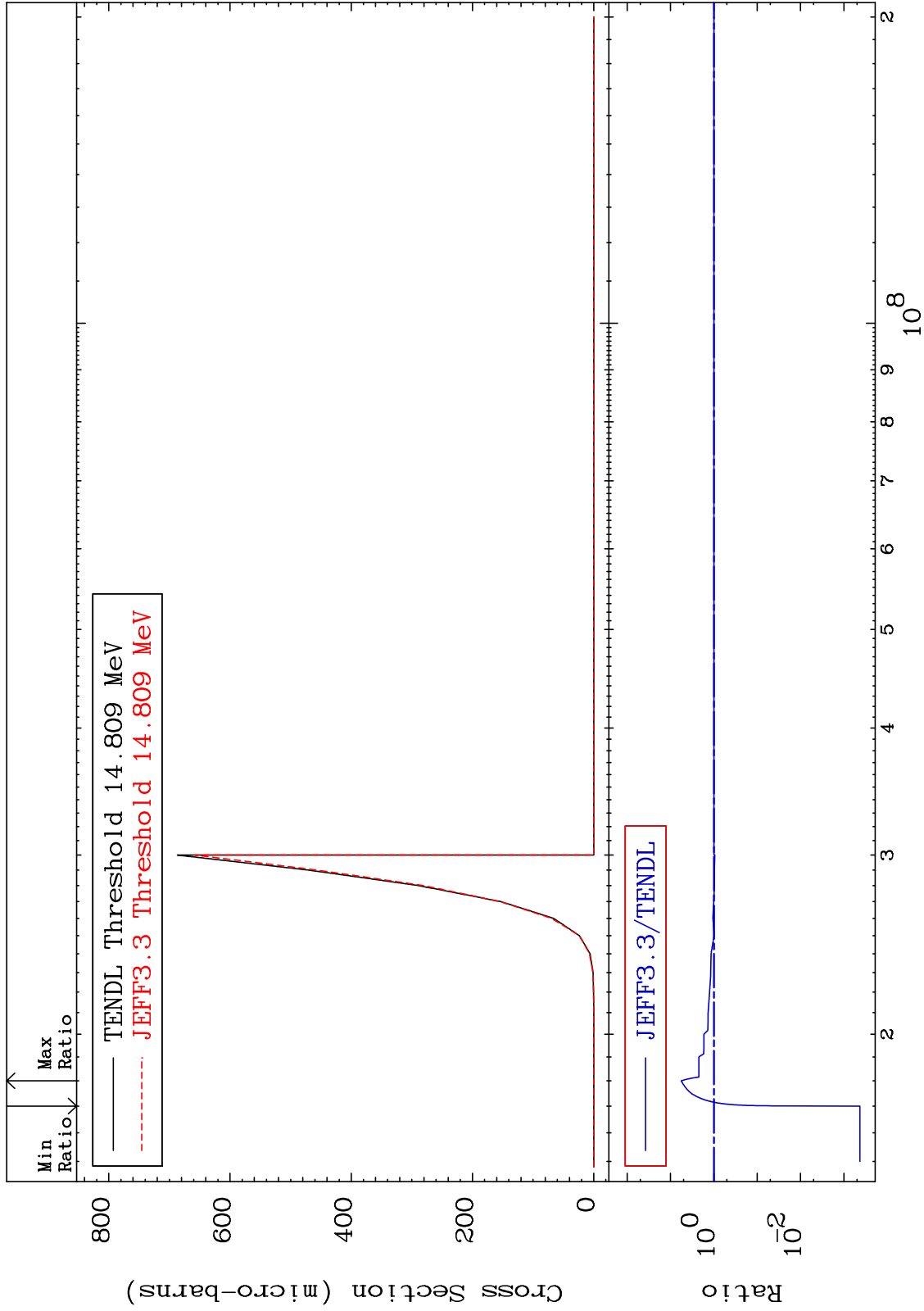
MAT 4519

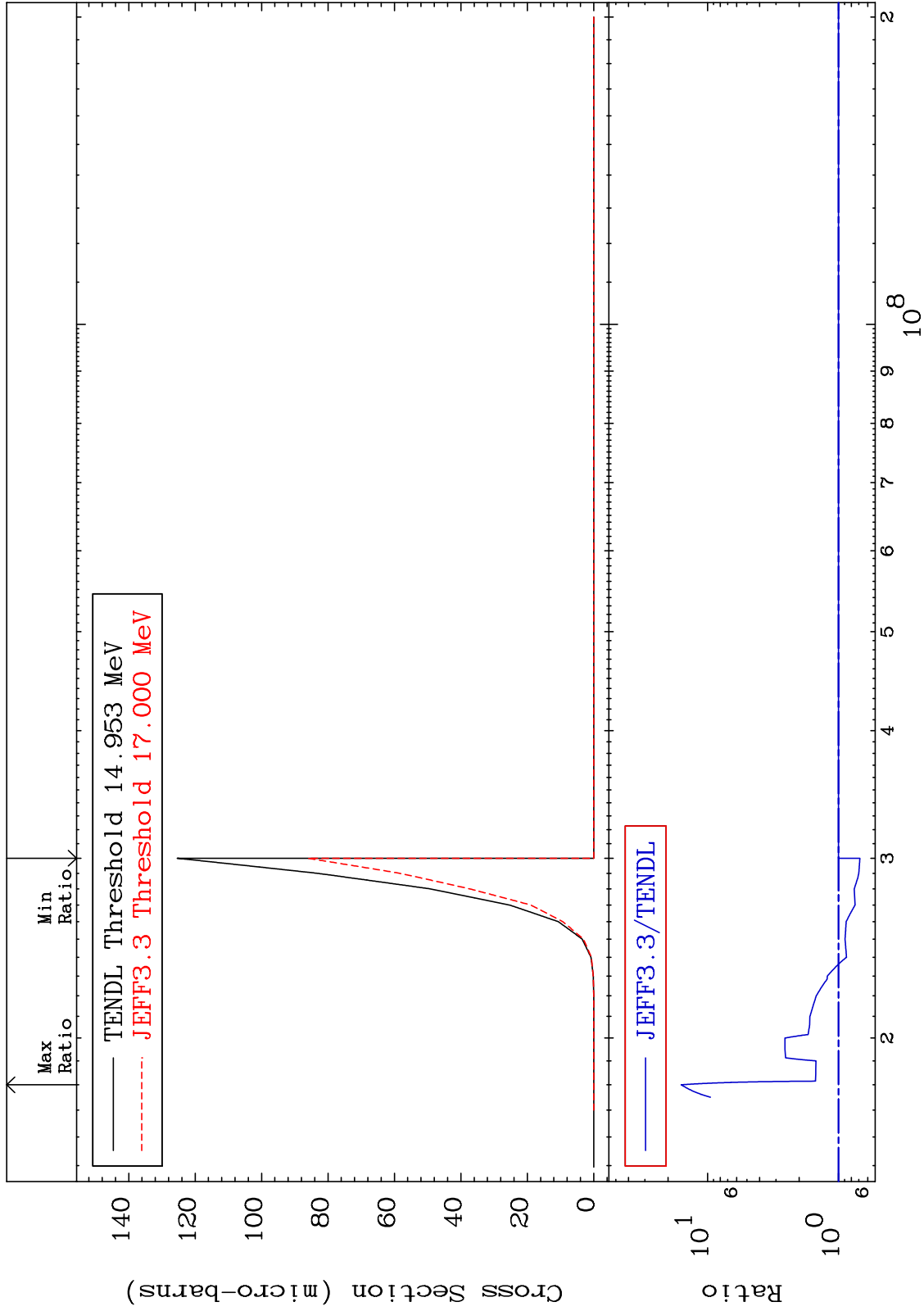
(n,4n) : 45-Rh-98m3

45-Rh-101

Radionuclide Production Cross Section 0.000 To 9999. %





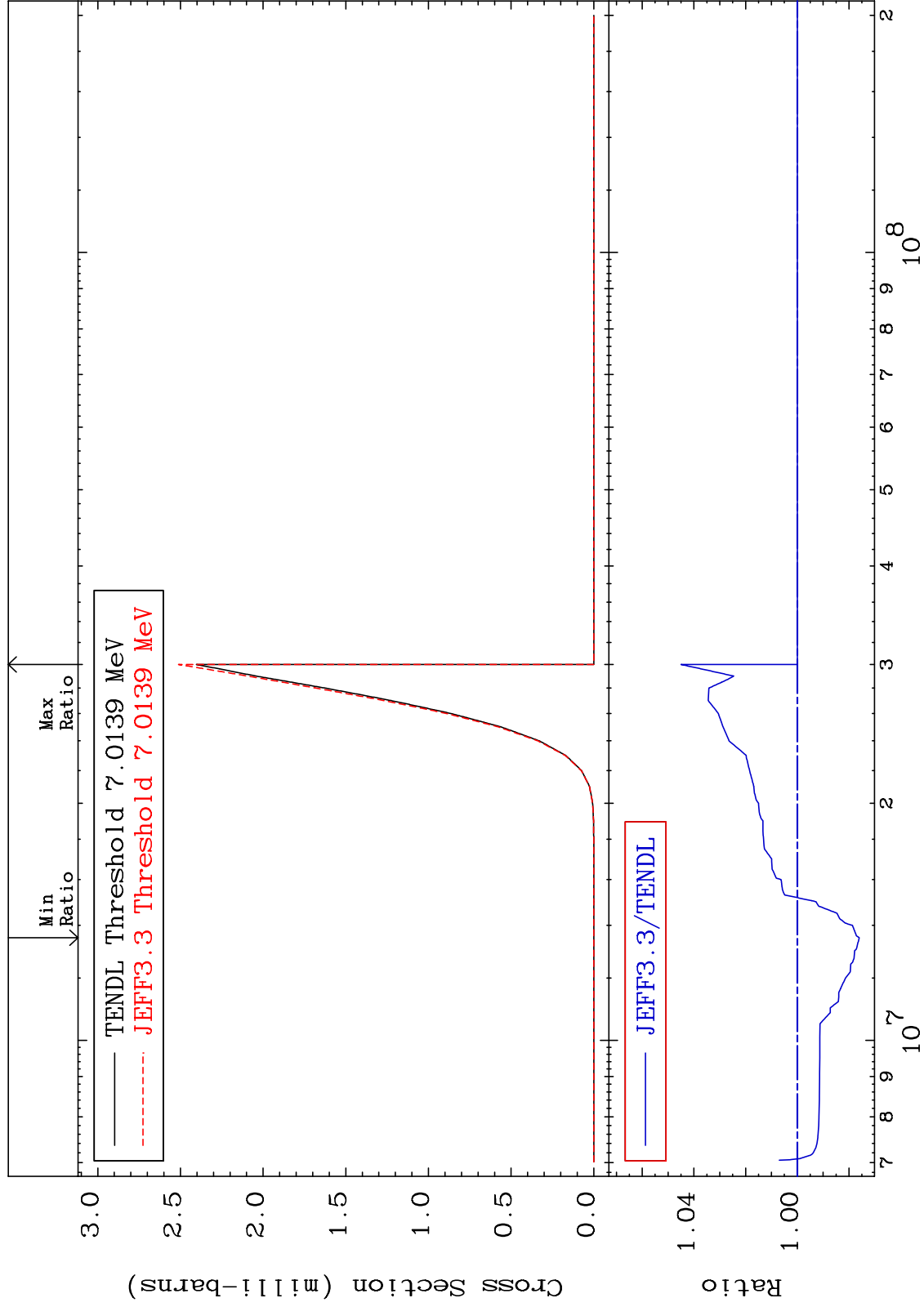


MAT 4519

45-Rh-101

(n,He-3) : 43-Tc-99g

Radionuclide Production Cross Section -2.399 To 4.498 %



98

Incident Energy (eV)

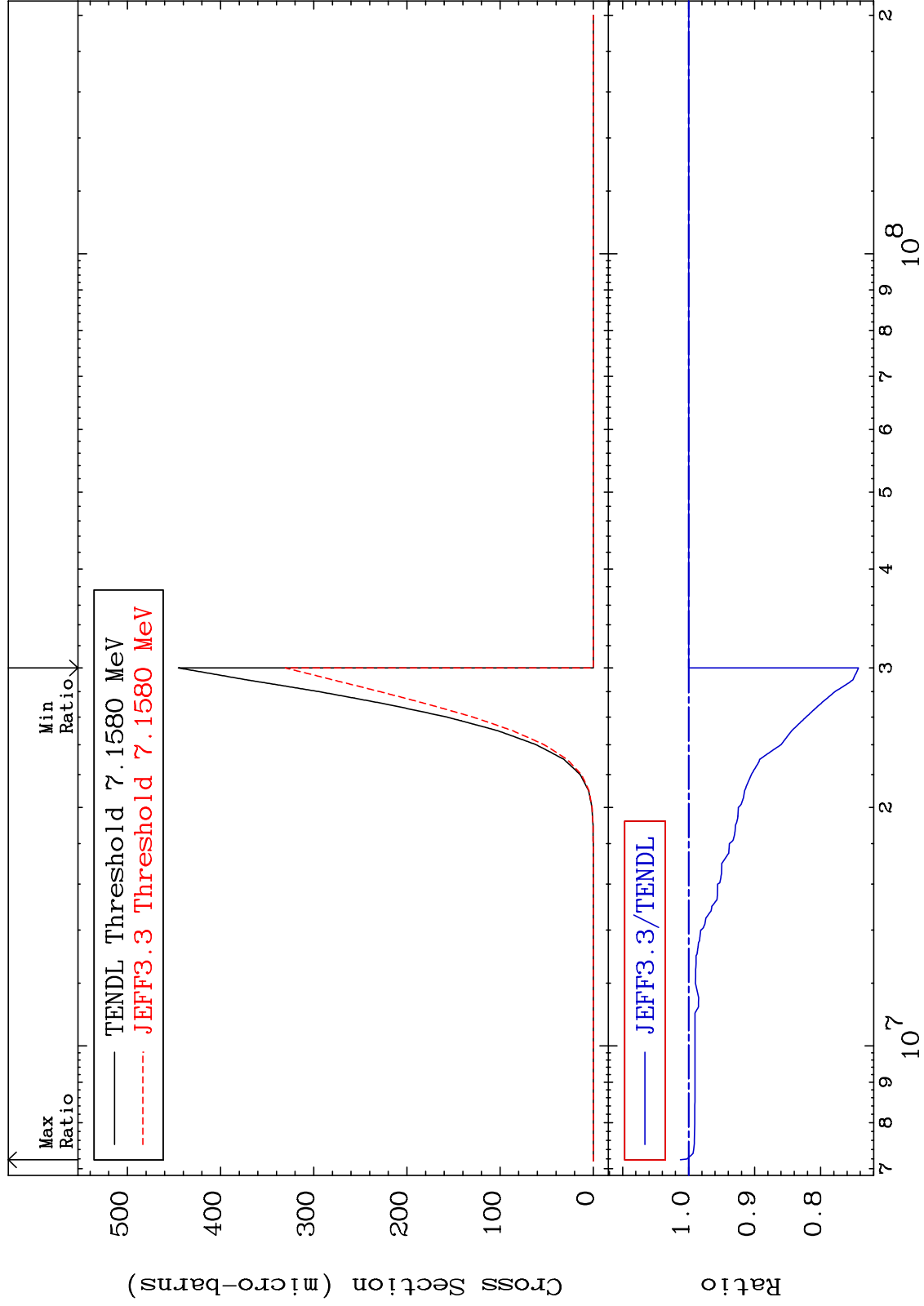
45-Rh-101

MAT 4519

(n,He-3):43-Tc-99m2

45-Rh-101

Radionuclide Production Cross Section -25.73 To 1.242 %



99

Incident Energy (eV)

45-Rh-101

