

Program Complot
(Version 2018-1)

by

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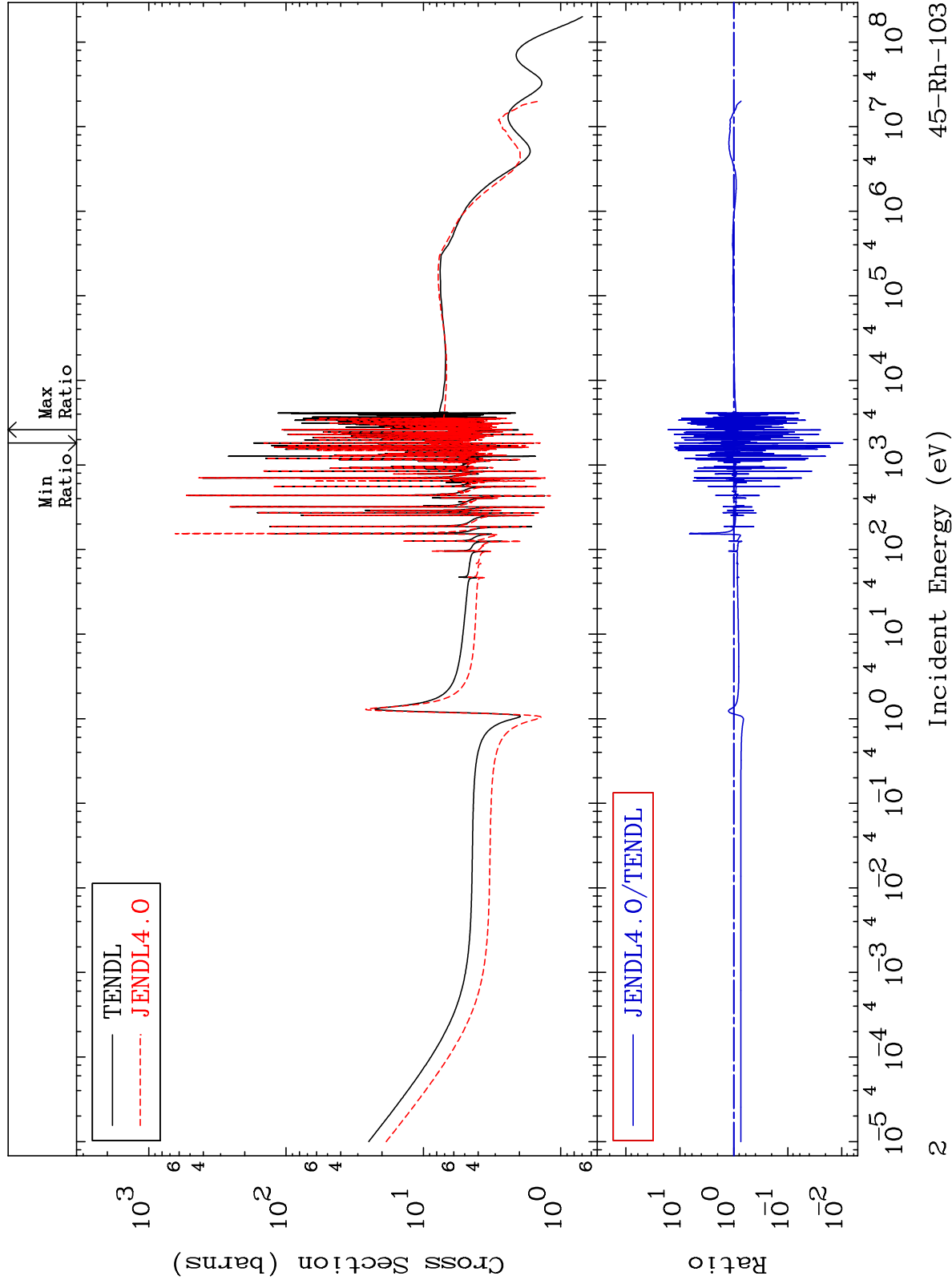
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4525

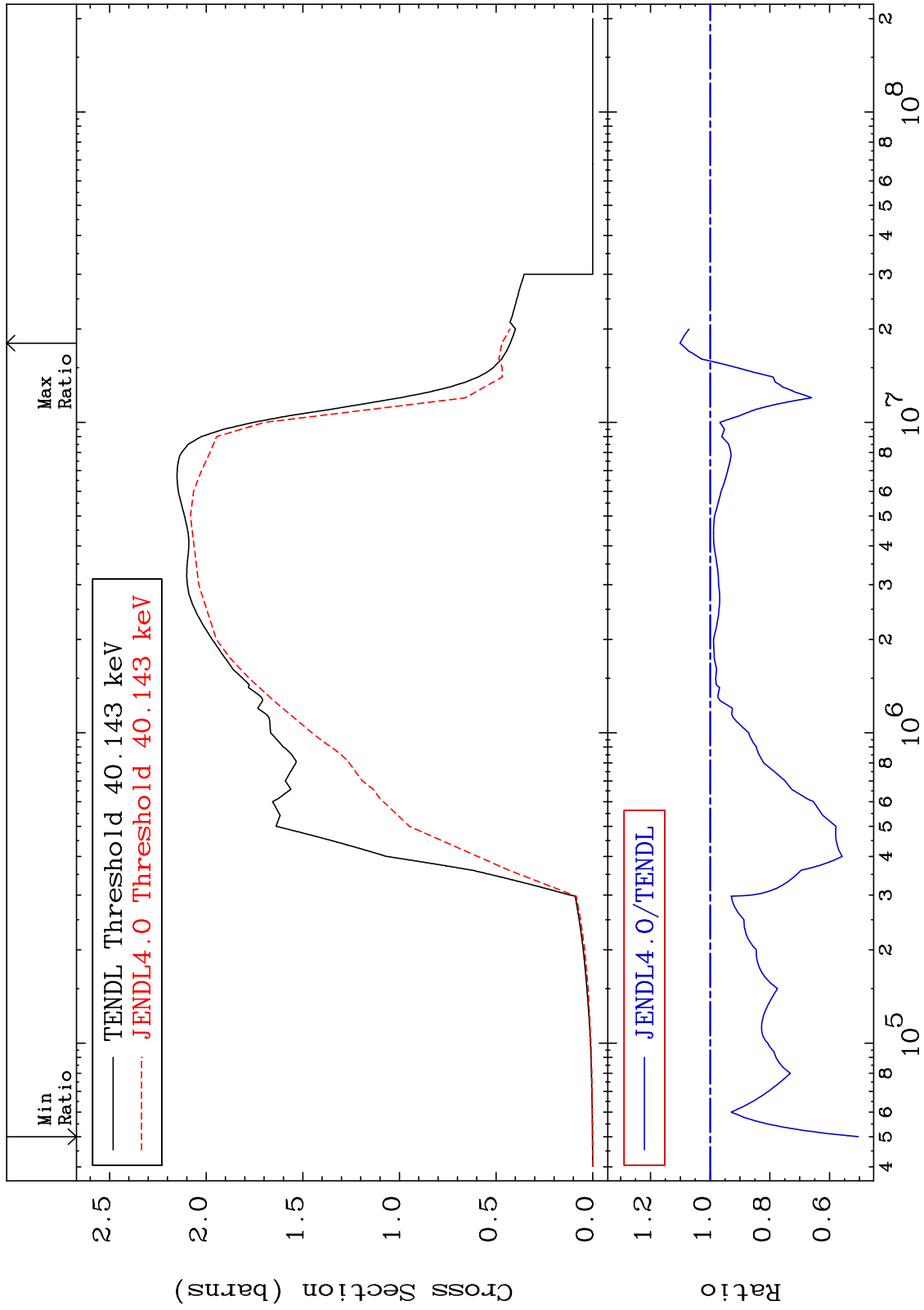
Elastic
Cross Section

45-Rh-103
-99.05 To 1559. %



45-Rh-103

MAT 4525 Inelastic Cross Section 45-Rh-103 -49.65 To 10.10 %



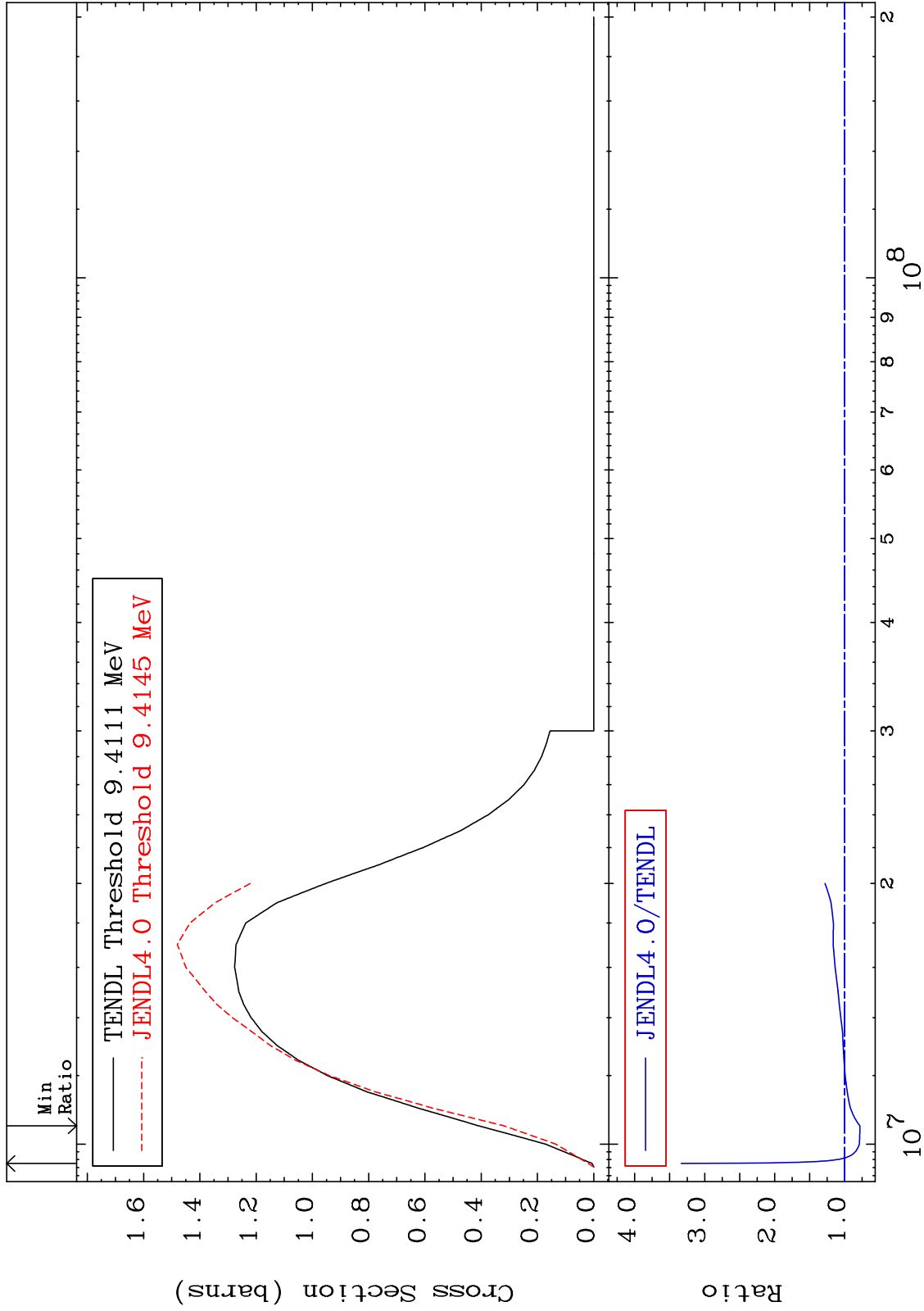
MAT 4525

(n,2n)

45-Rh-103

Cross Section

-21.85 To 233.5 %



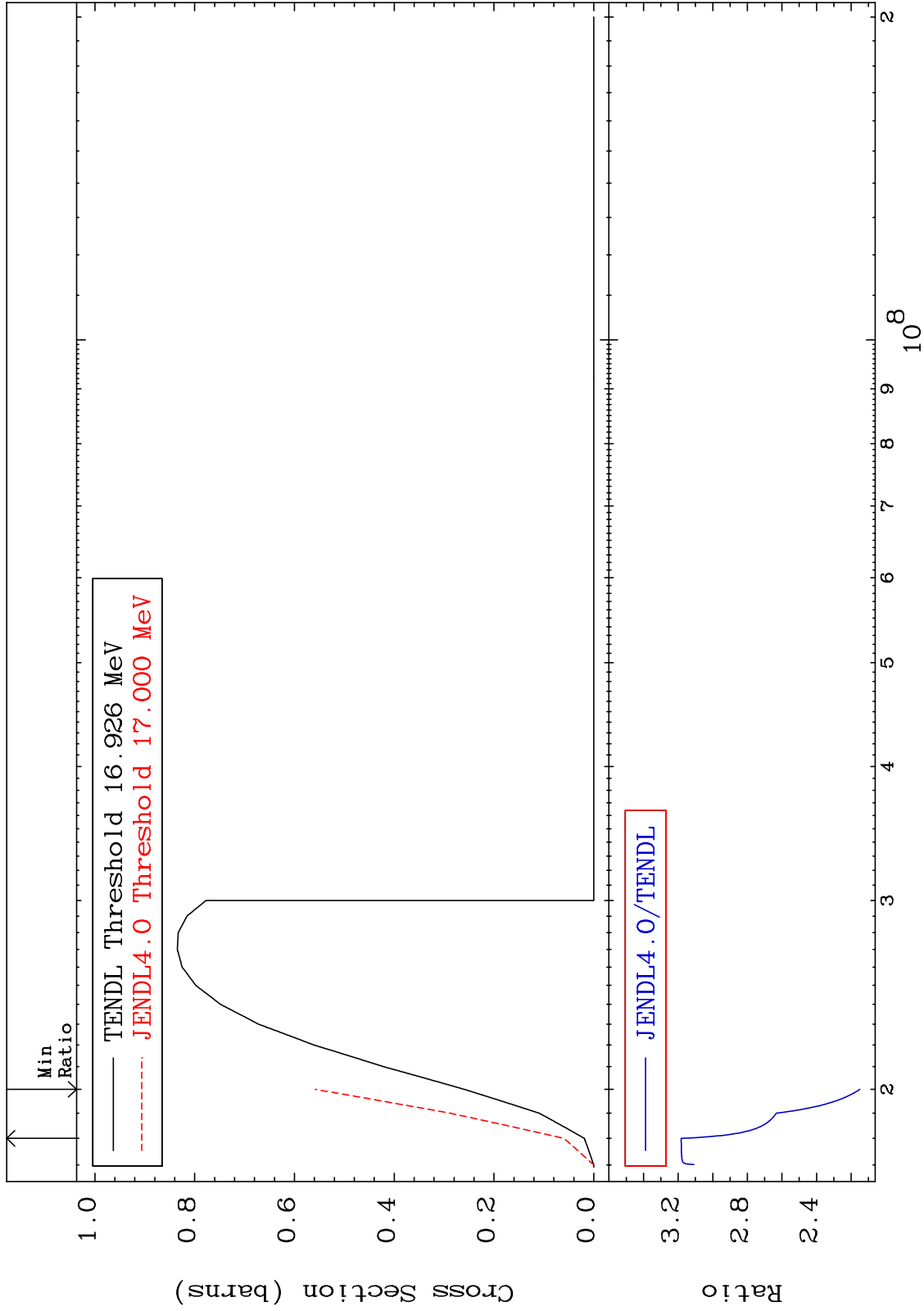
MAT 4525

(n,3n)

45-Rh-103

Cross Section

114.9 To 218.2 %



45-Rh-103

Incident Energy (eV)

5

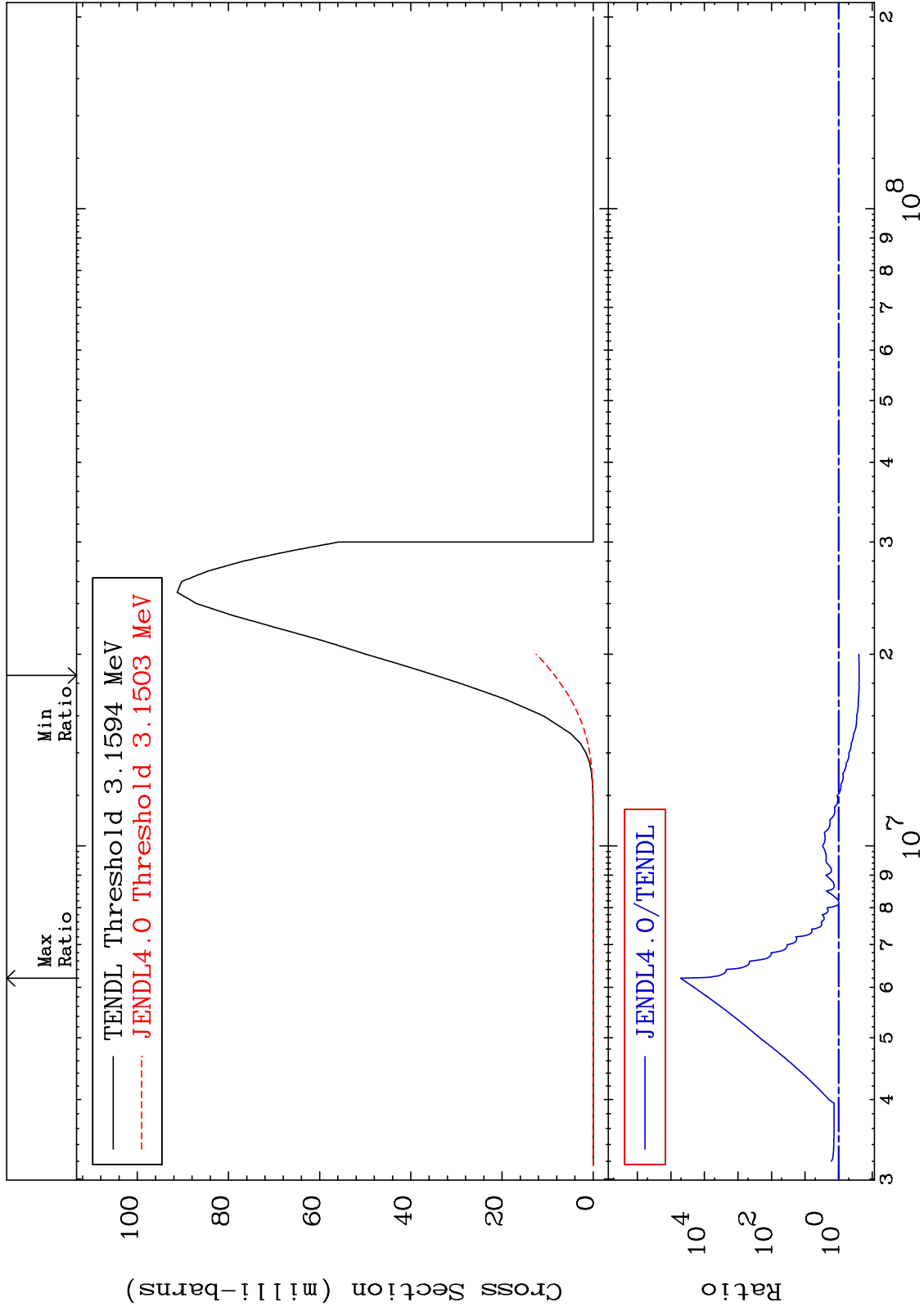
MAT 4525

(n, n') α

45-Rh-103

-75.59 To 9999. %

Cross Section



45-Rh-103

Incident Energy (eV)

6

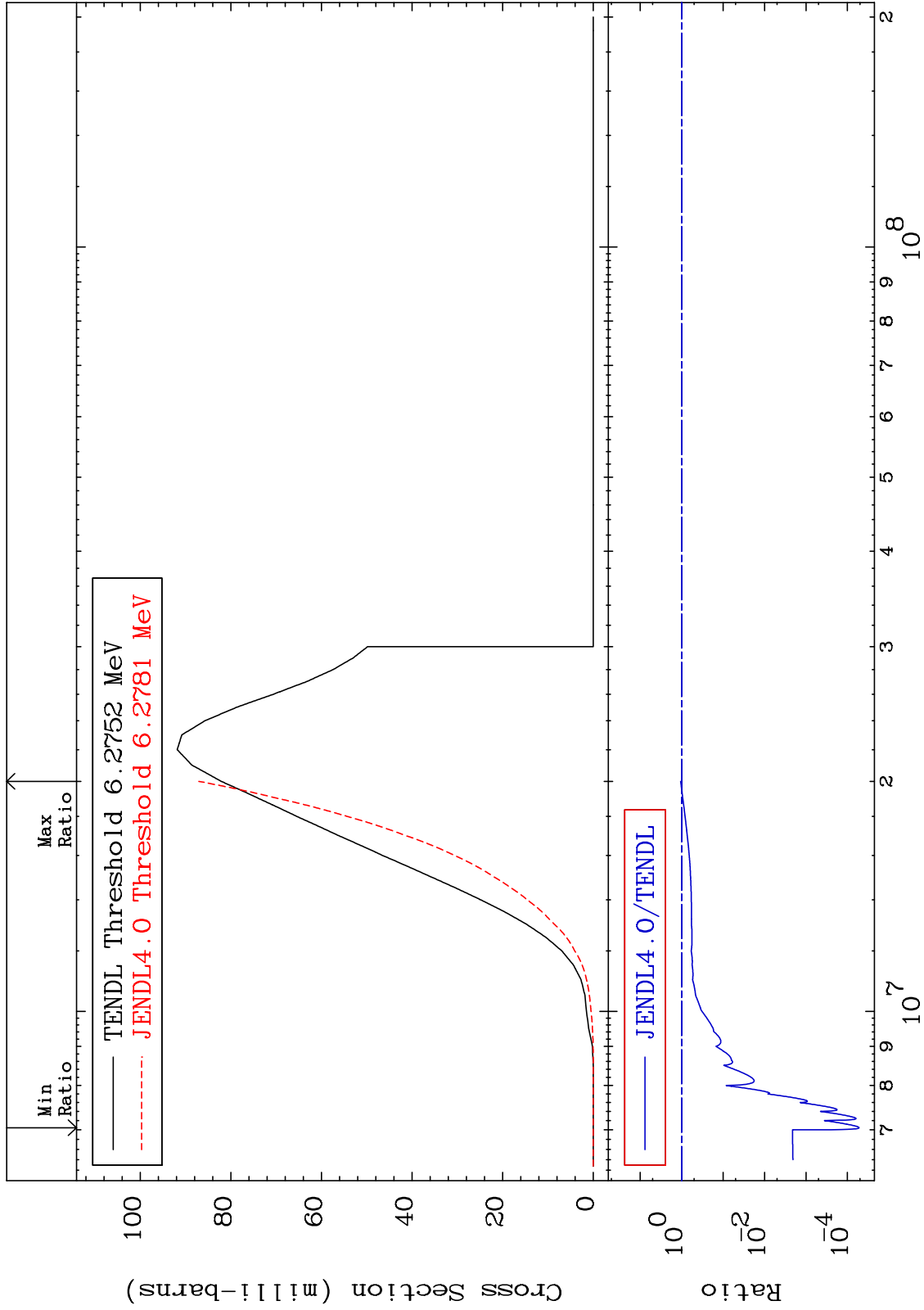
MAT 4525

(n,n') p

45-Rh-103

Cross Section

-99.99 To 6.049 %



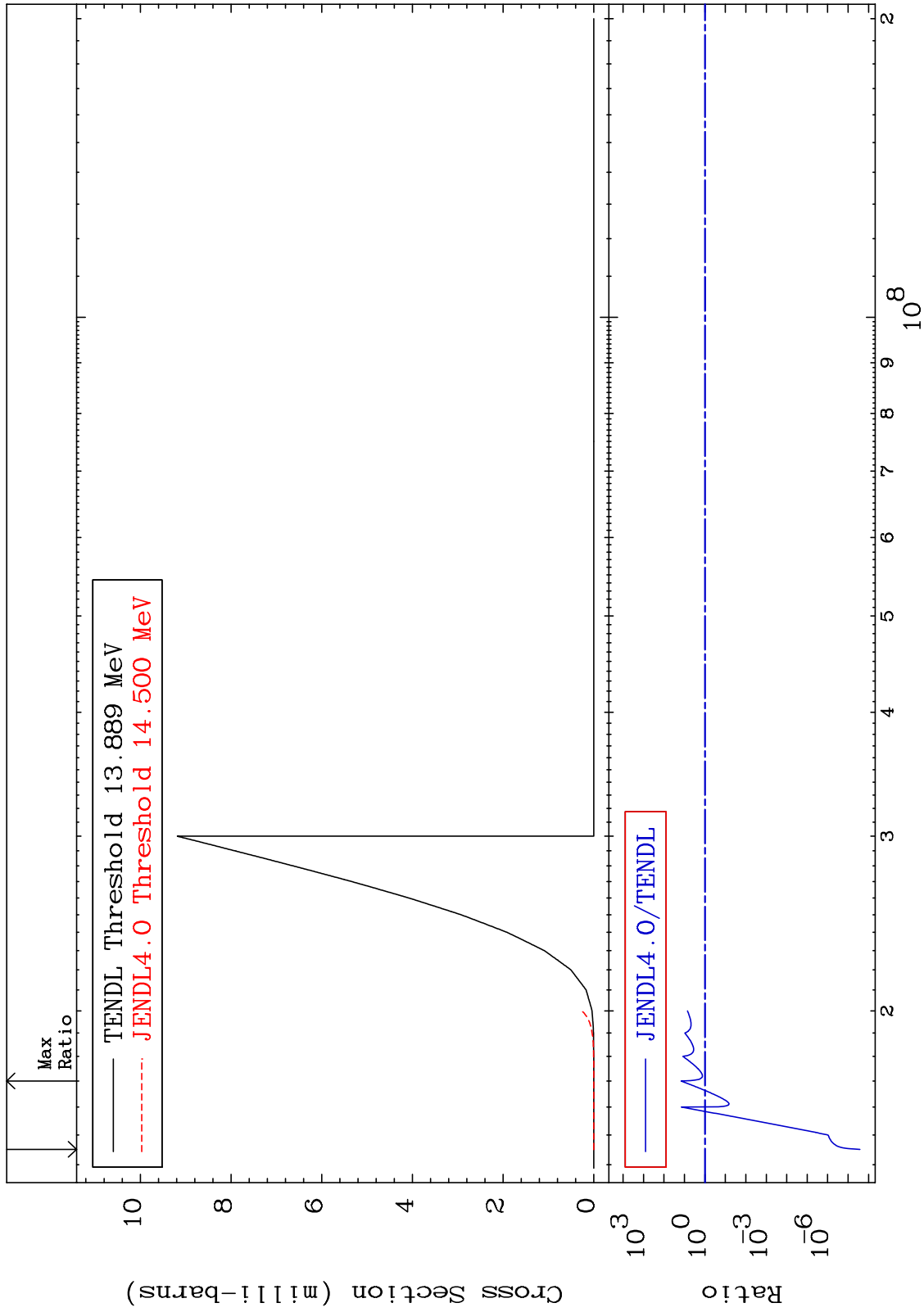
MAT 4525

(n, n') t

45-Rh-103

Cross Section

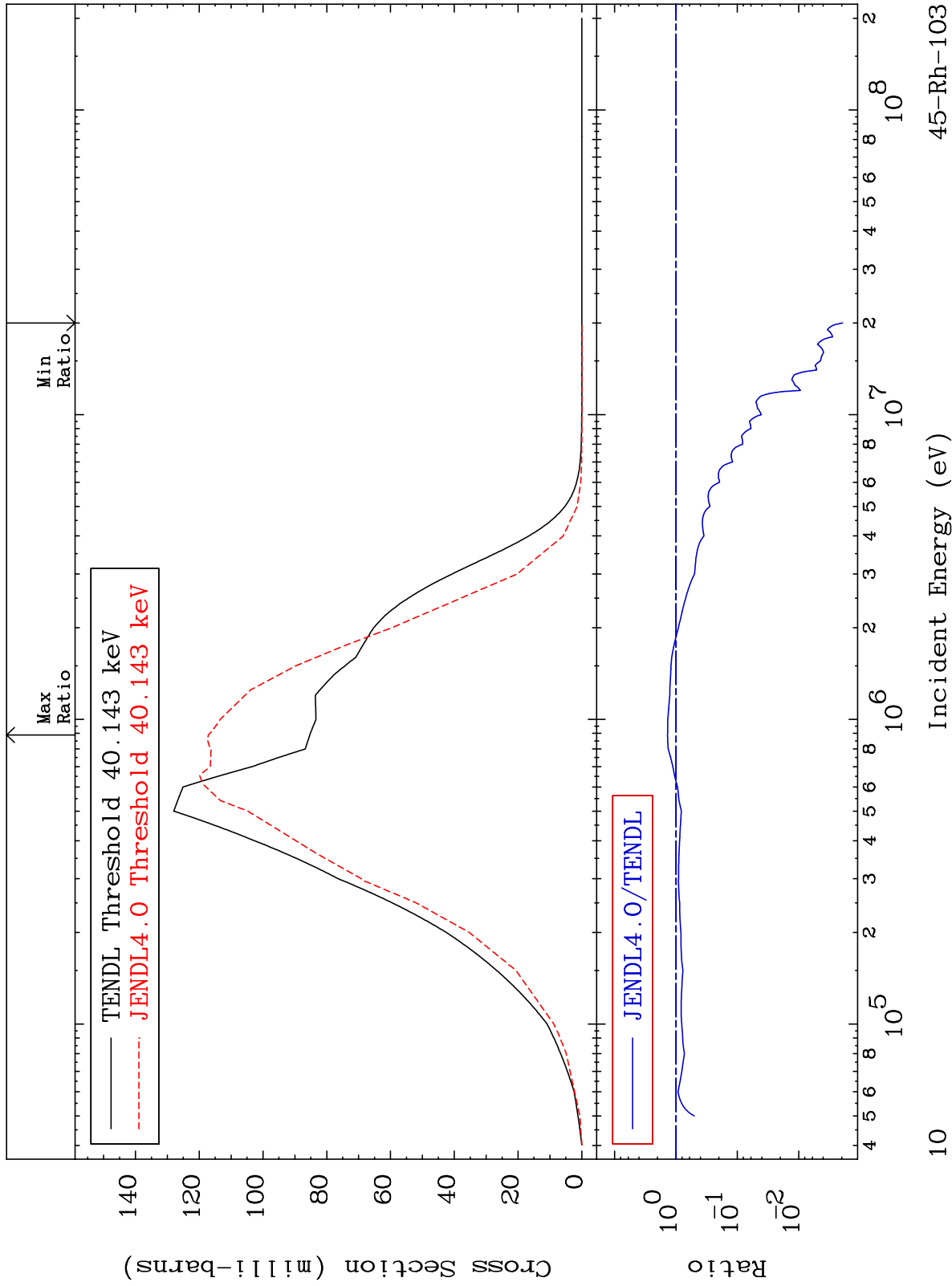
-100.0 To 1337. %



MAT 4525

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

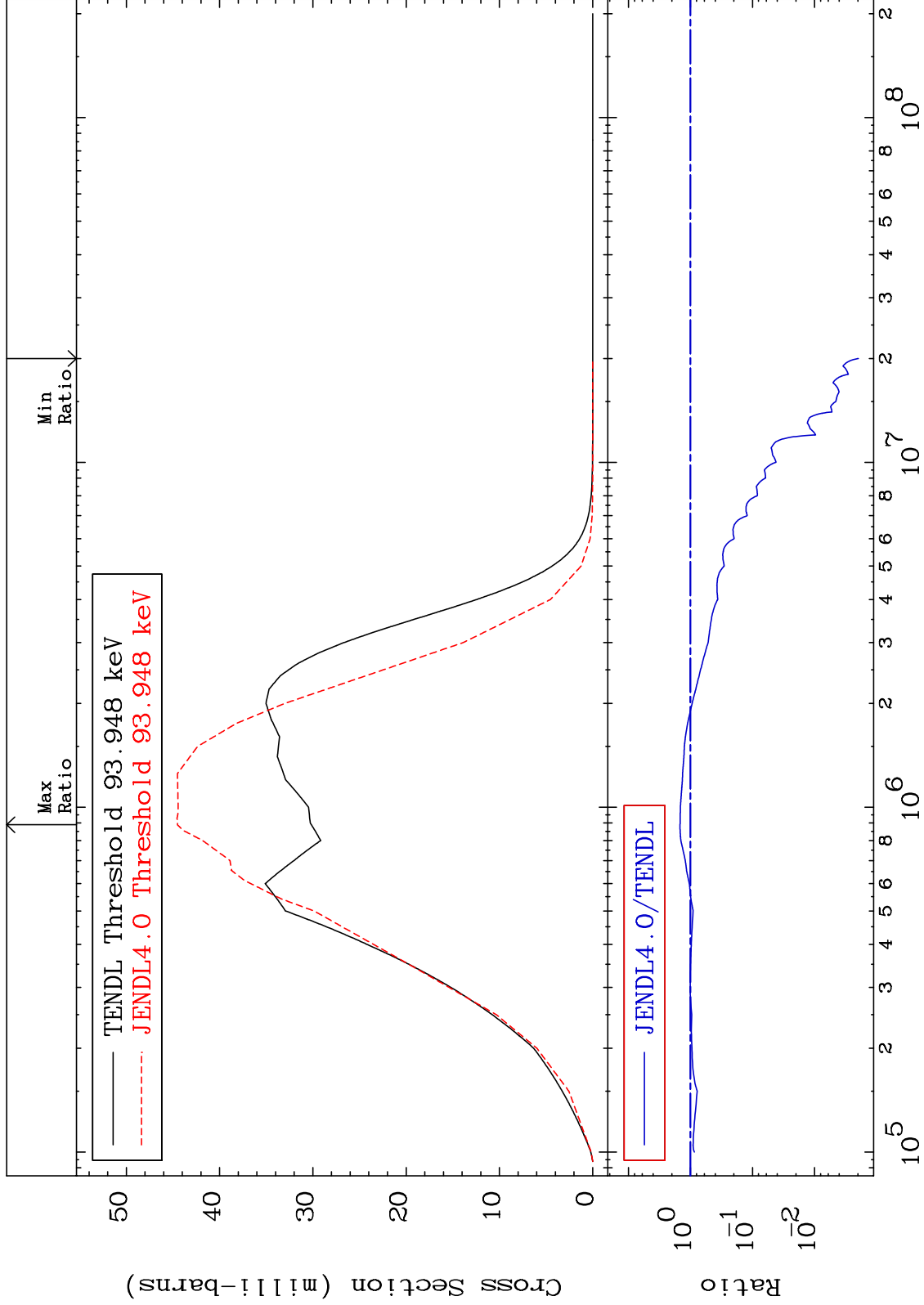
45-Rh-103
-99.81 To 37.31 %



MAT 4525

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

45-Rh-103
-99.80 To 47.63 %

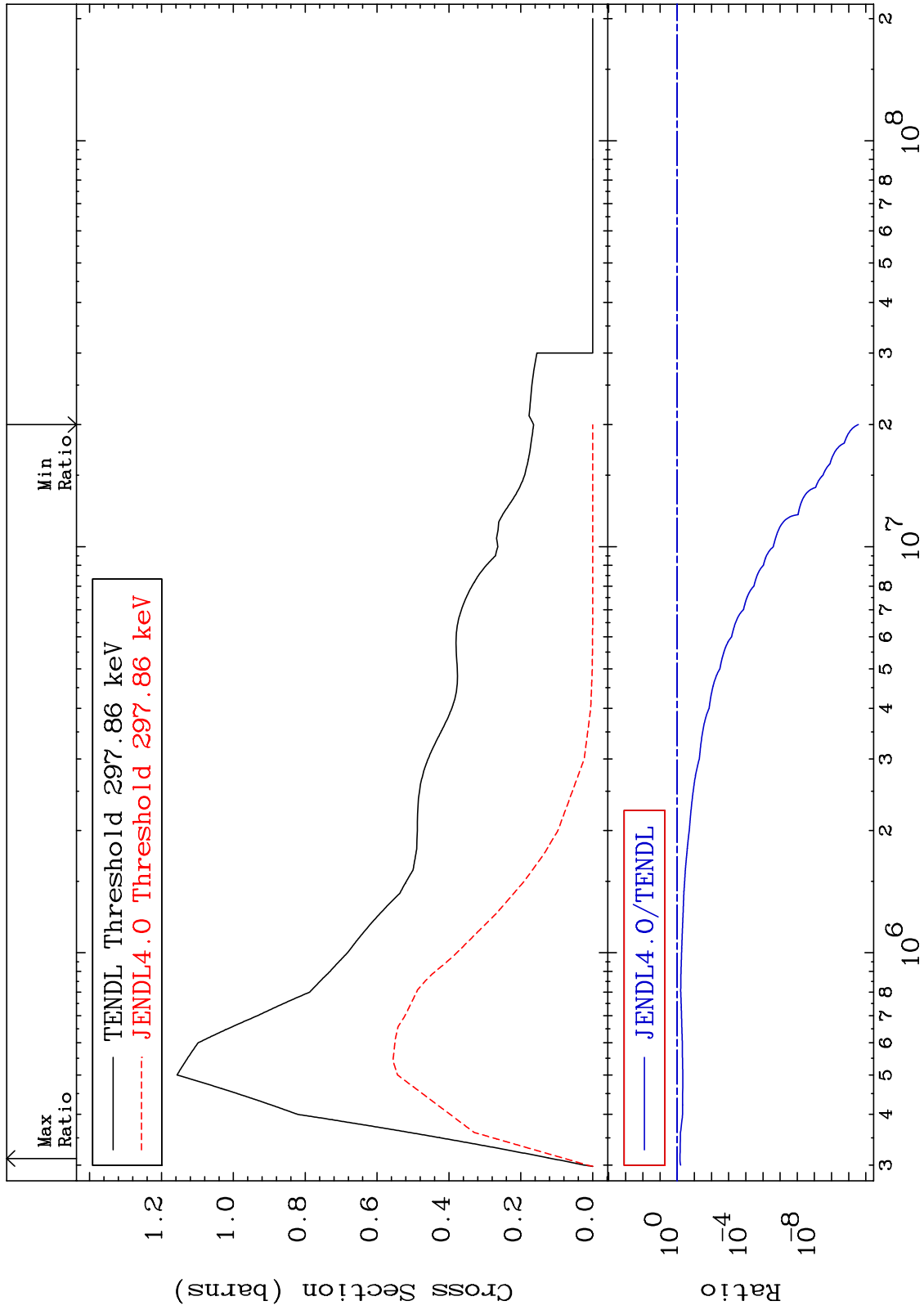


11

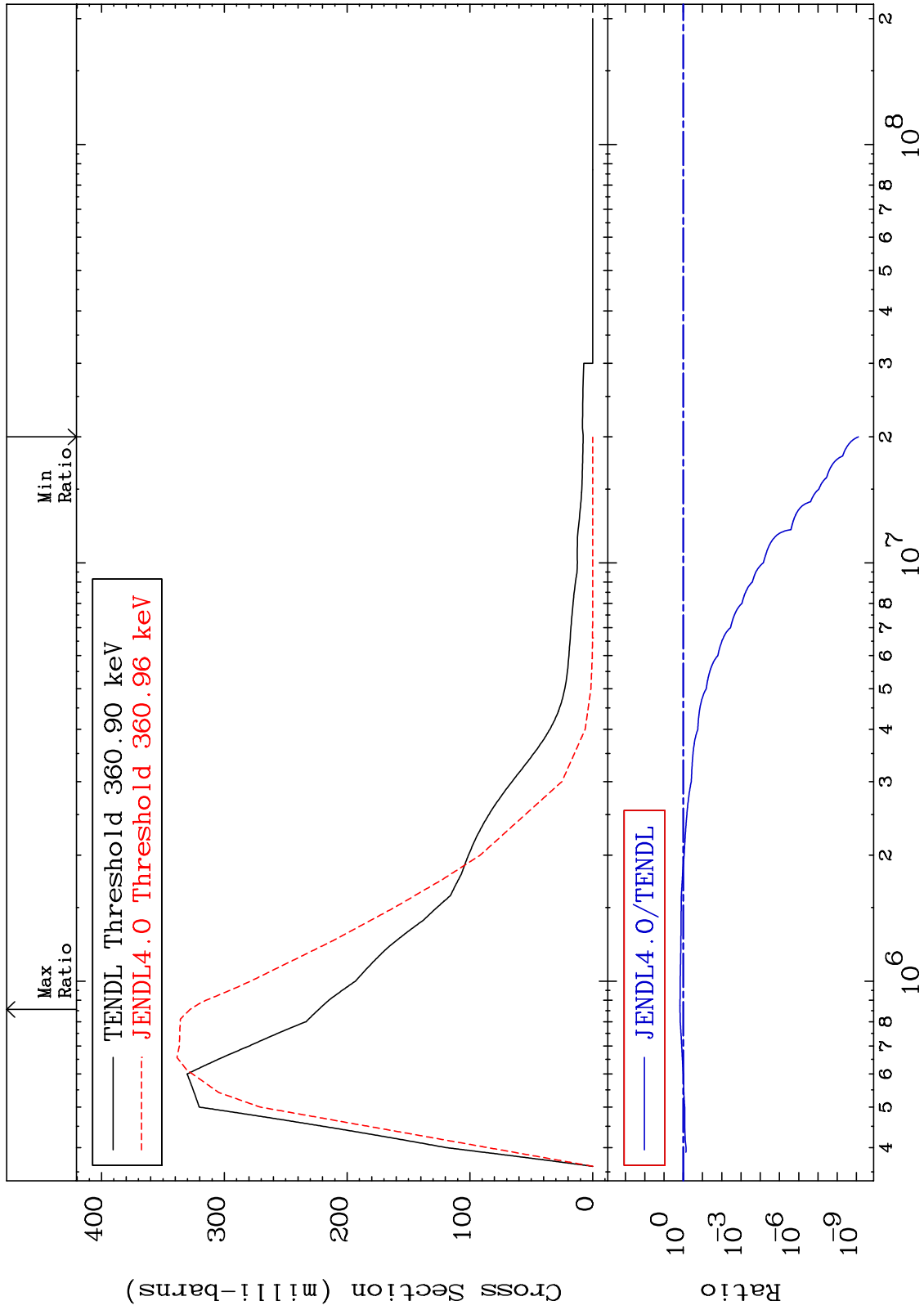
45-Rh-103

45-Rh-103

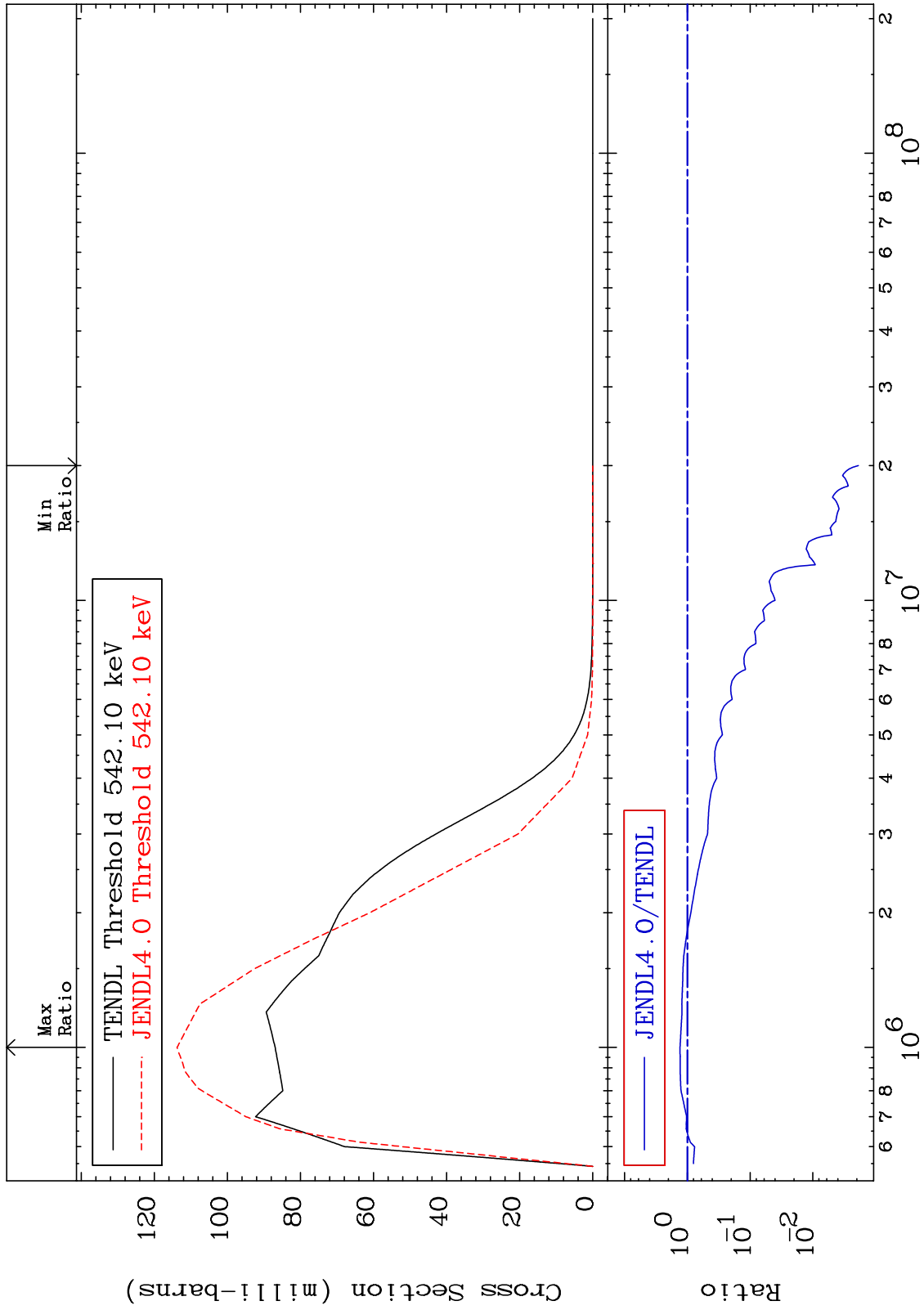
MAT 4525 MT= 53 (n,n') Level Cross Section 45-Rh-103
 -100.0 To -31.66%



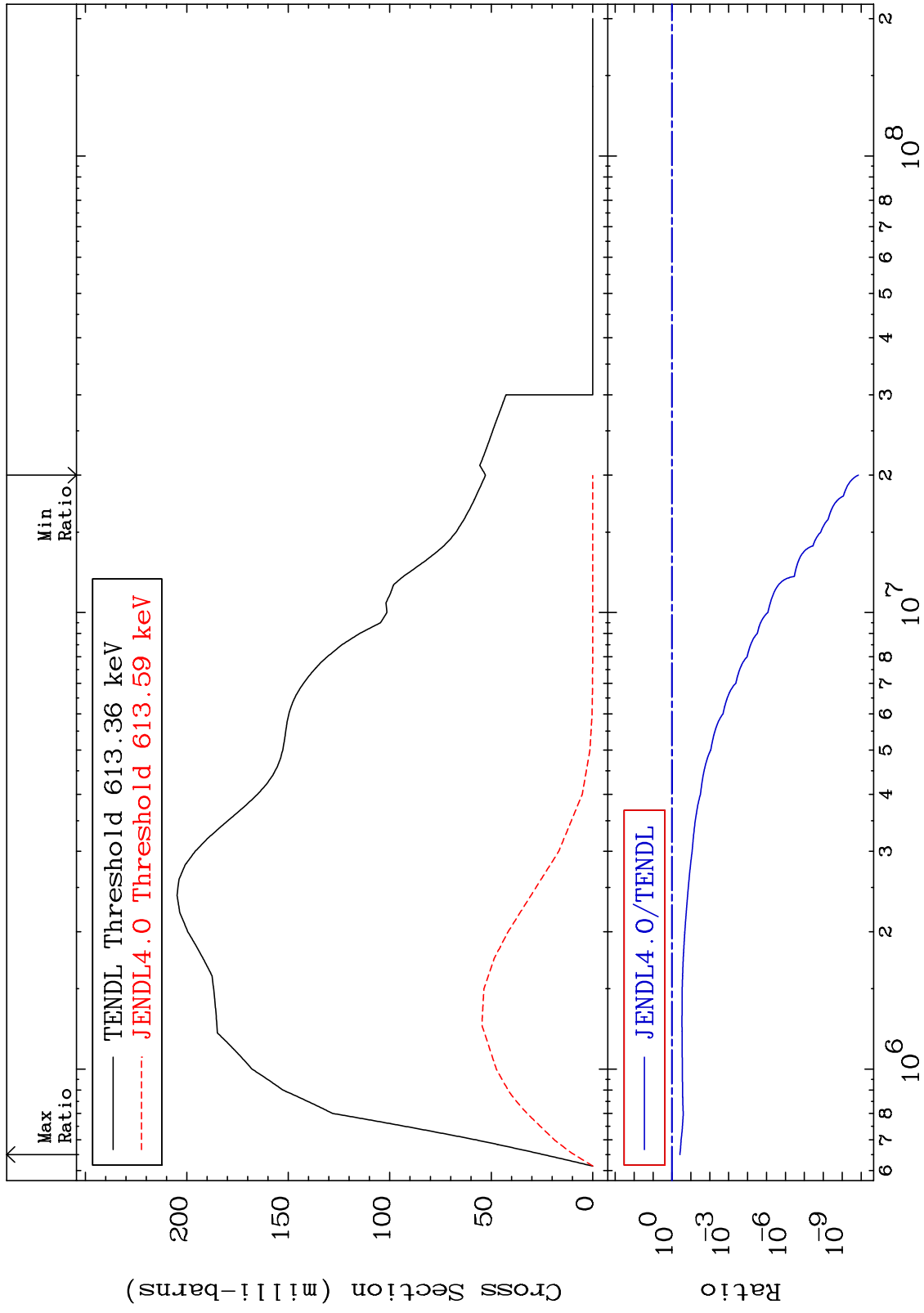
MAT 4525 MT= 54 (n,n') Level Cross Section 45-Rh-103
 -100.0 To 46.99 %



MAT 4525 MT= 55 (n,n') Level Cross Section 45-Rh-103
 -99.81 To 30.87 %



MAT 4525 MT= 56 (n,n') Level 45-Rh-103
Cross Section -100.0 To -62.61%

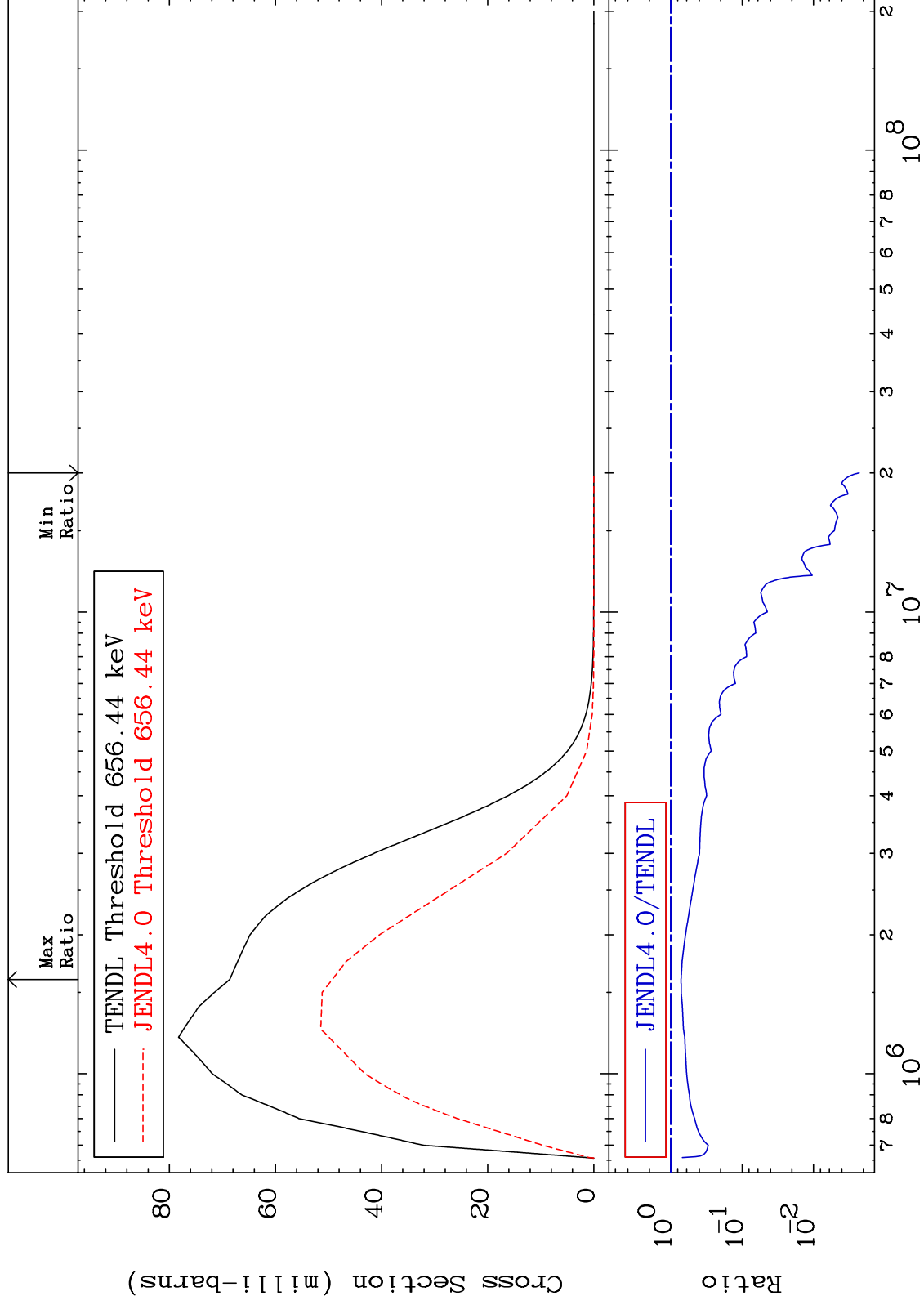


15 Incident Energy (eV) 45-Rh-103

MAT 4525

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

45-Rh-103
-99.77 To -28.15%

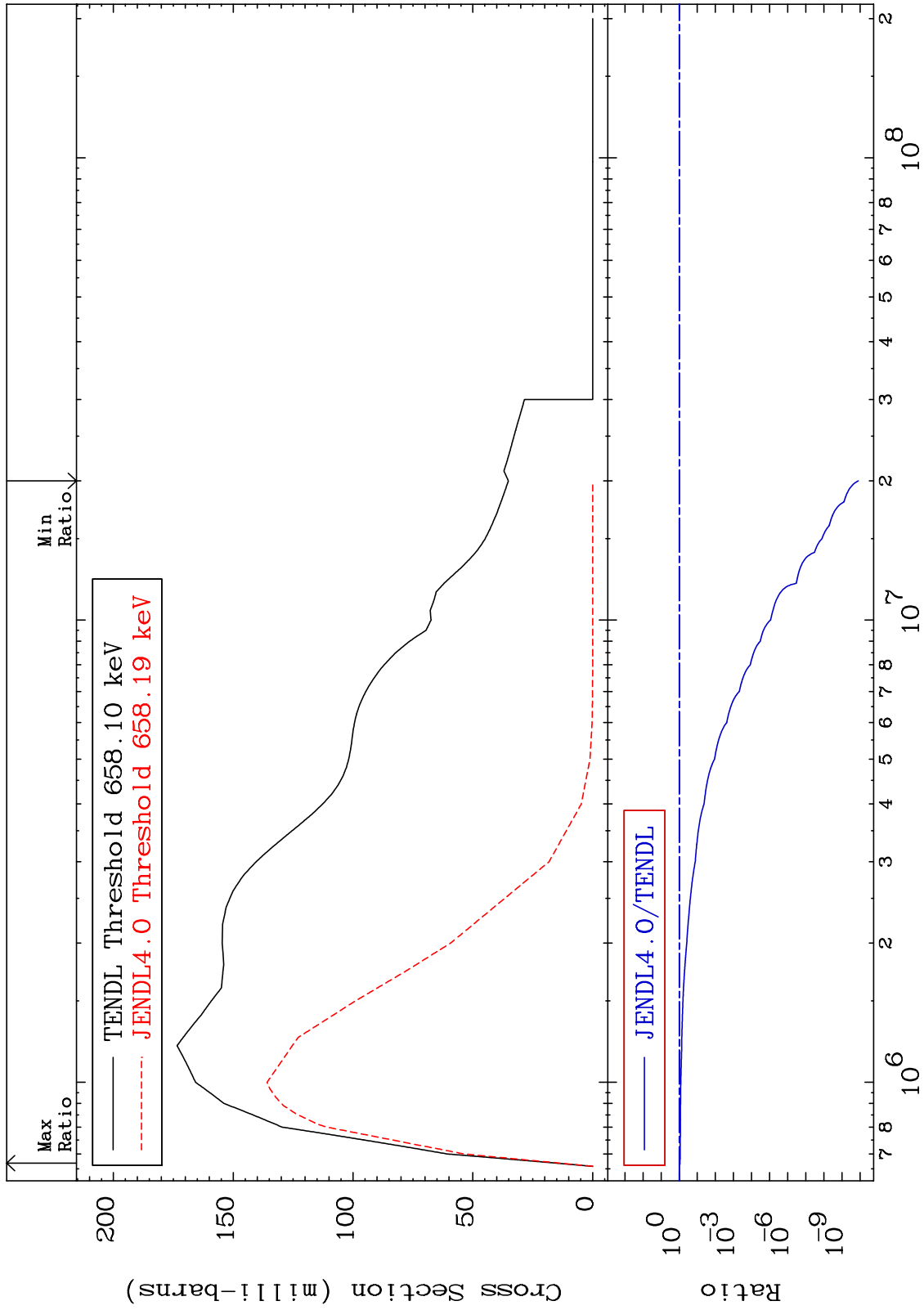


16

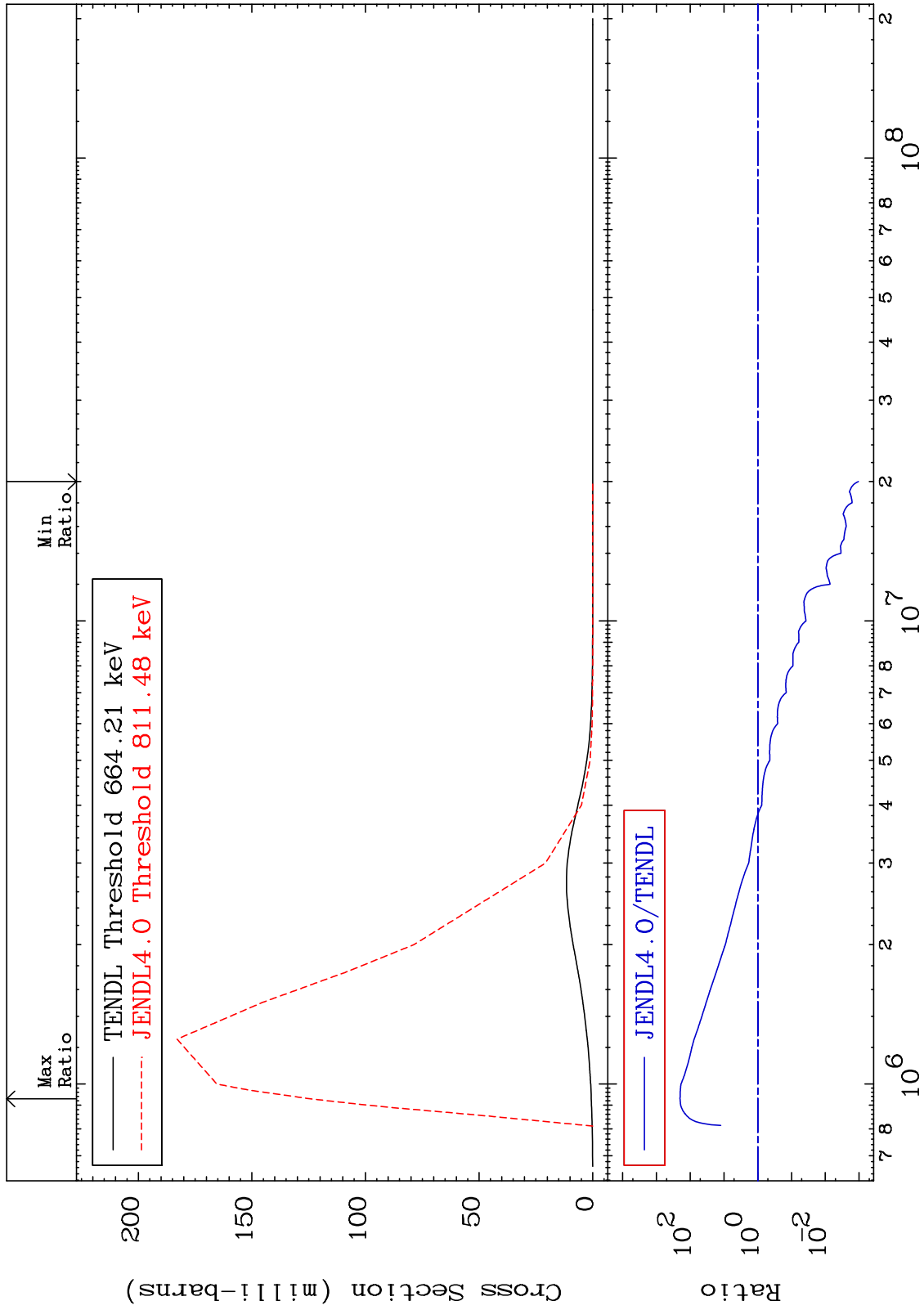
Incident Energy (eV)

45-Rh-103

MAT 4525 MT= 58 (n,n') Level 45-Rh-103
 Cross Section -100.0 To -9.931%



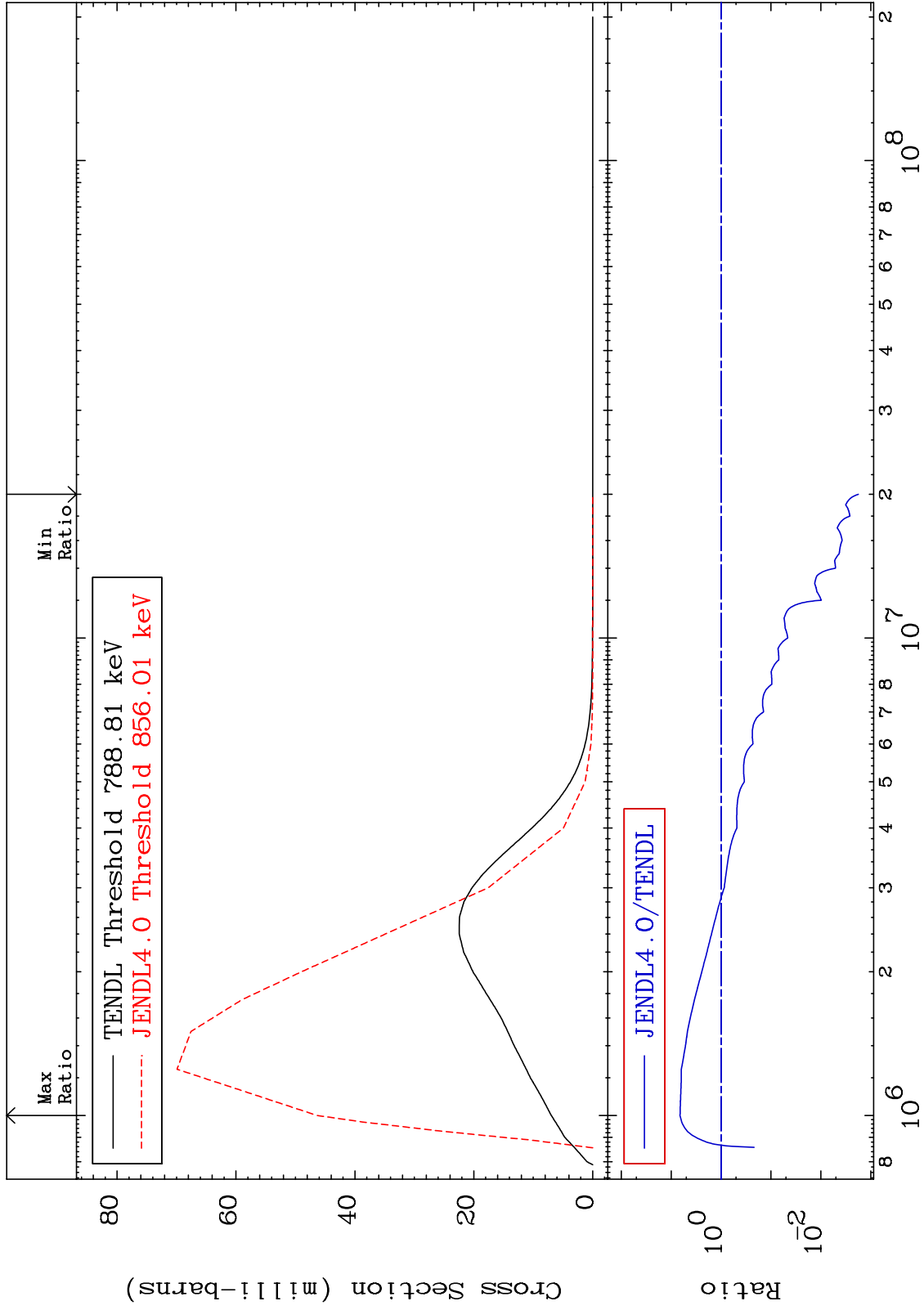
MAT 4525 MT= 59 (n,n') Level 45-Rh-103
 Cross Section -99.90 To 9999. %



MAT 4525

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

45-Rh-103
-99.82 To 565.2 %



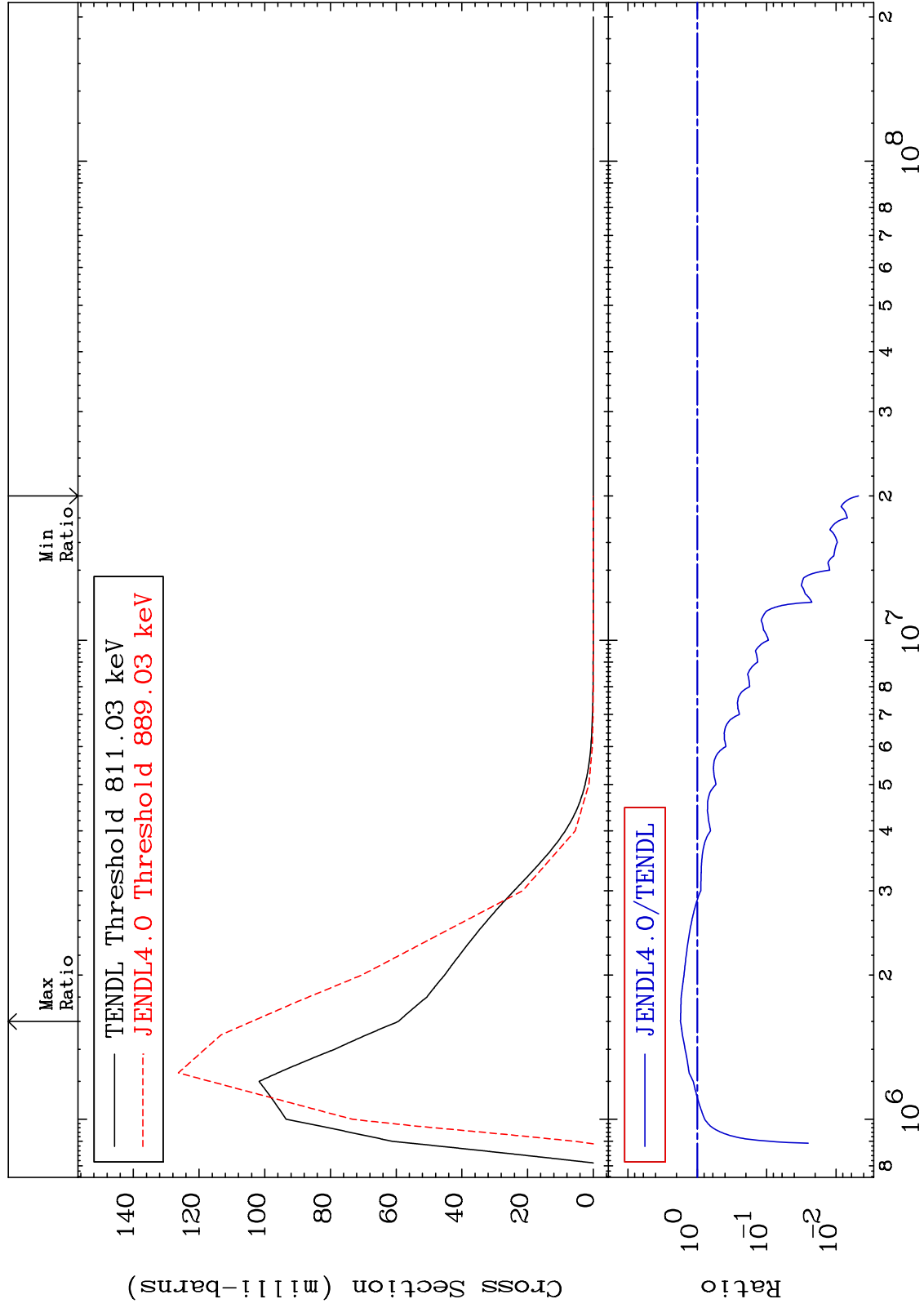
19

45-Rh-103

MAT 4525

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

45-Rh-103
-99.53 To 75.18 %



20

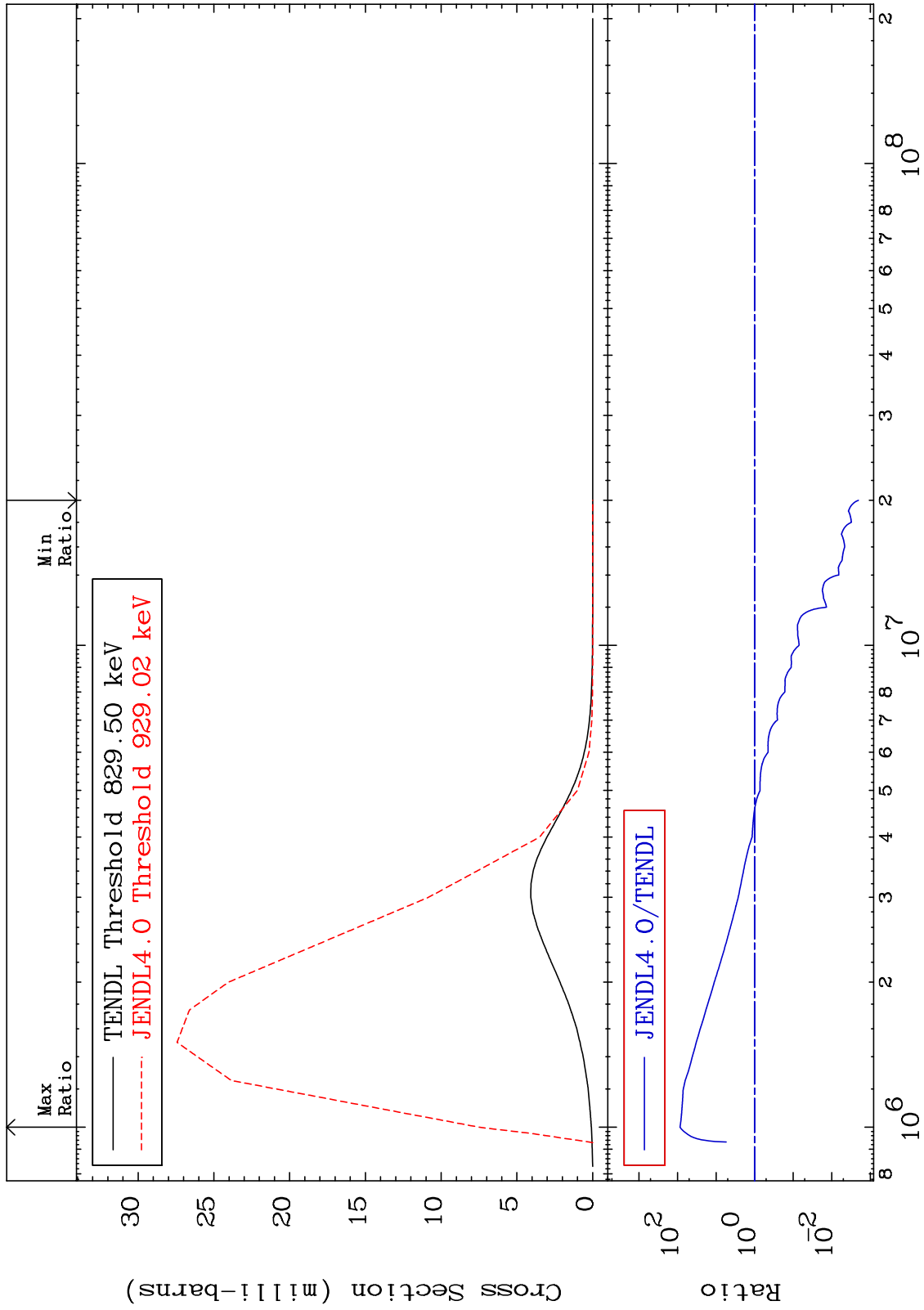
Incident Energy (eV)

45-Rh-103

MAT 4525

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

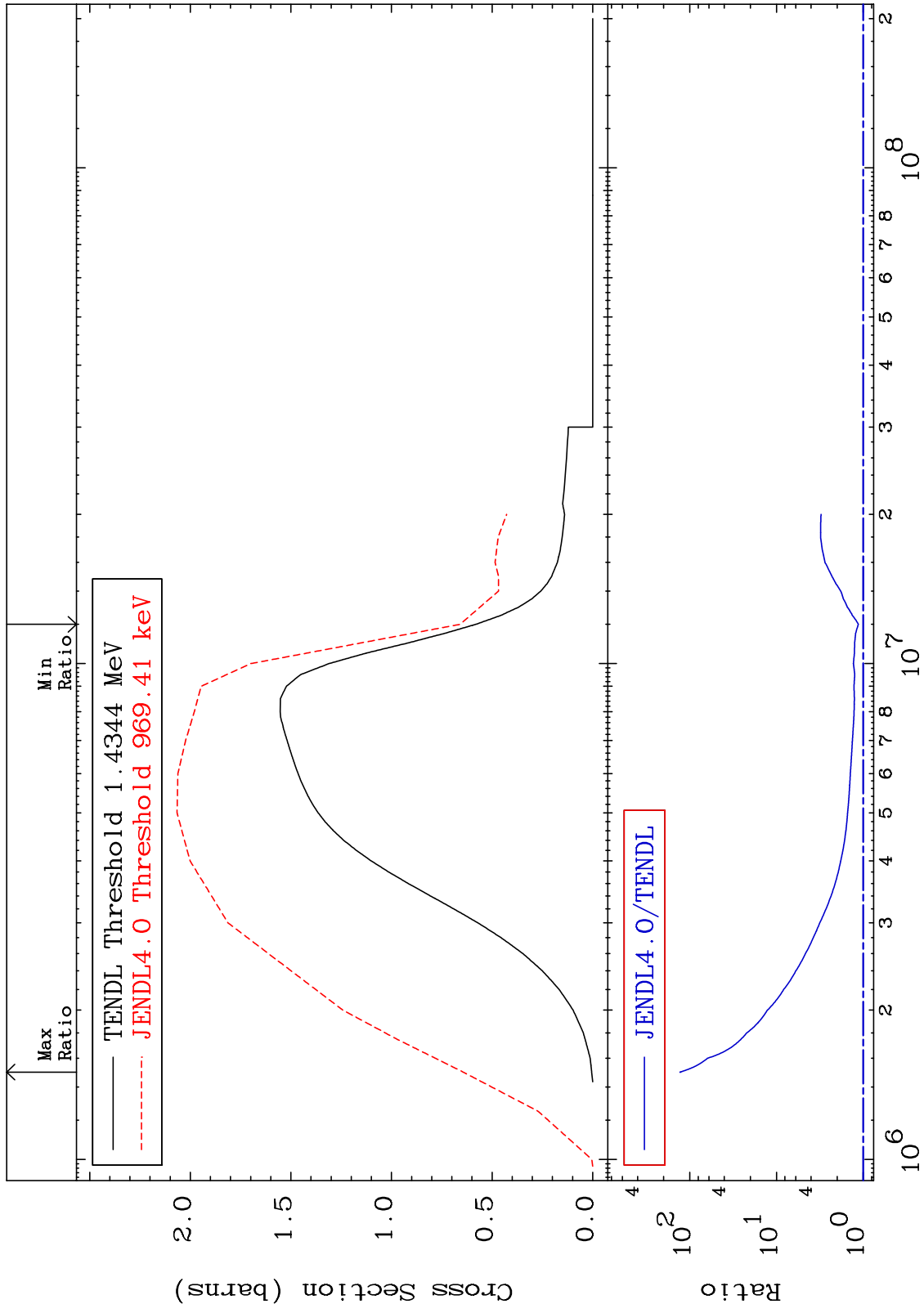
45-Rh-103
-99.80 To 8504. %



MAT 4525

(n, n') Continuum
Cross Section

45-Rh-103
13.60 To 9999. %



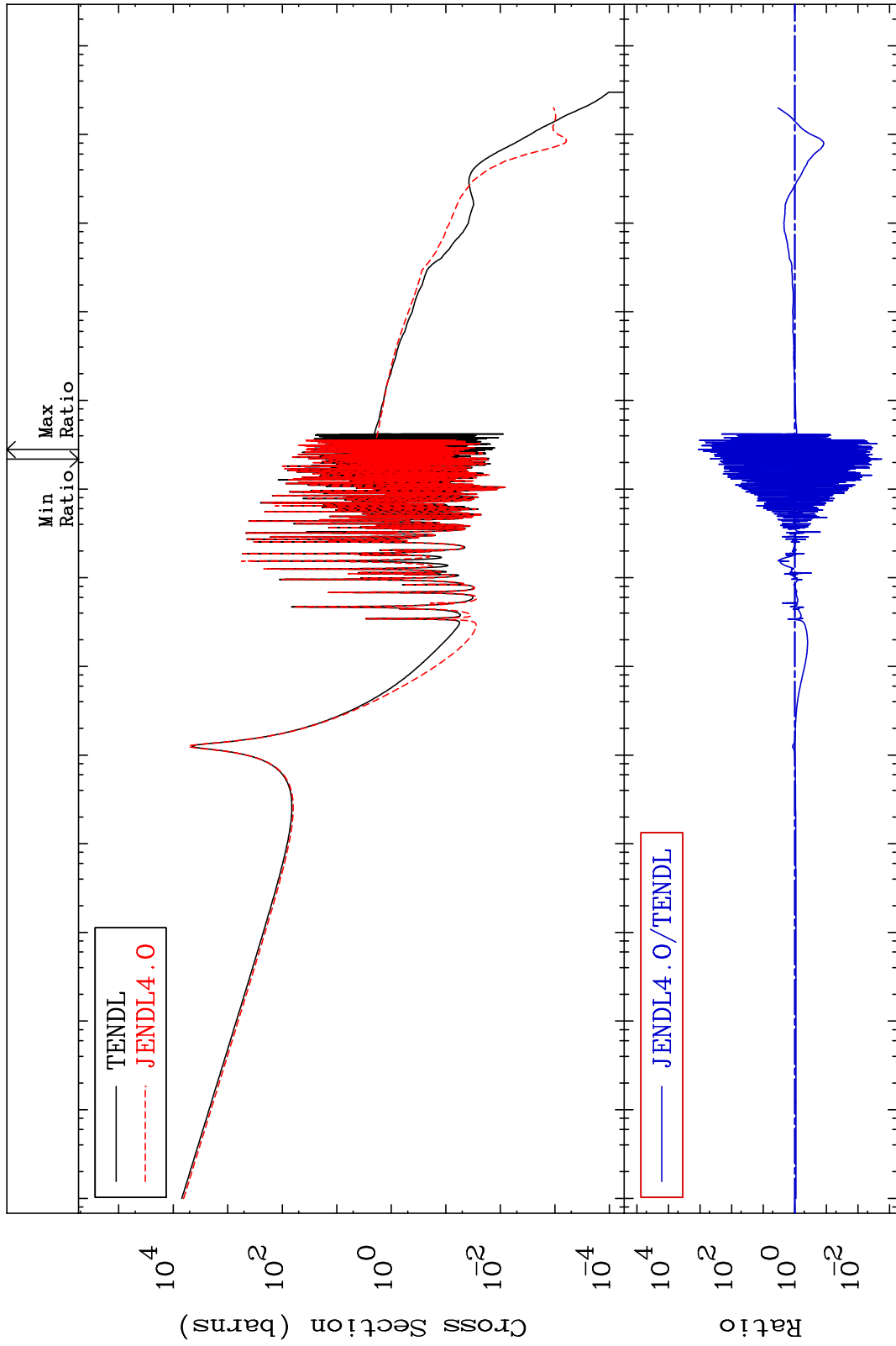
Incident Energy (eV)

45-Rh-103

MAT 4525

(n, γ)
Cross Section

45-Rh-103
-99.82 To 9999. %



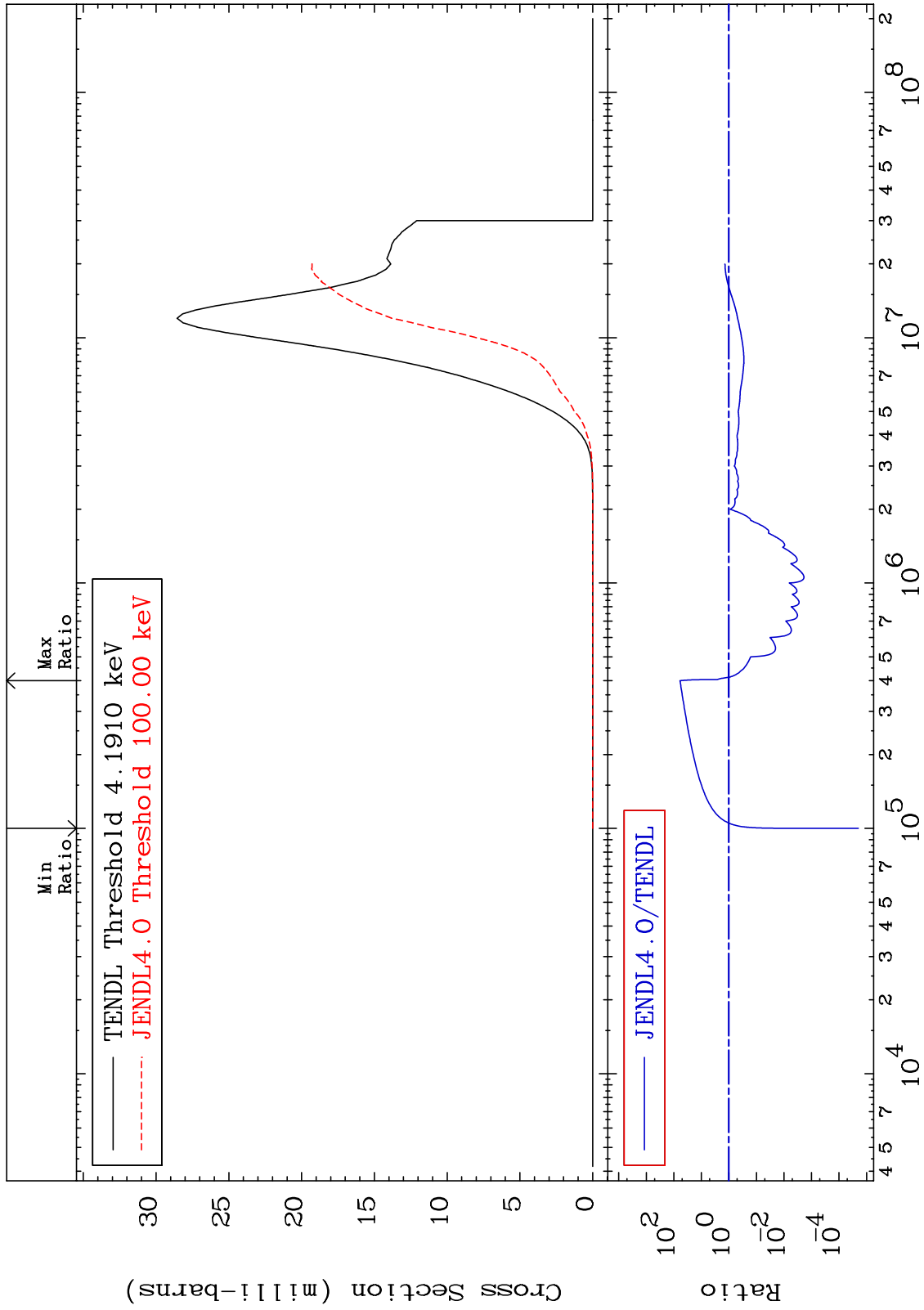
MAT 4525

(n, p)

45-Rh-103

-100.0 To 5847. %

Cross Section



45-Rh-103

Incident Energy (eV)

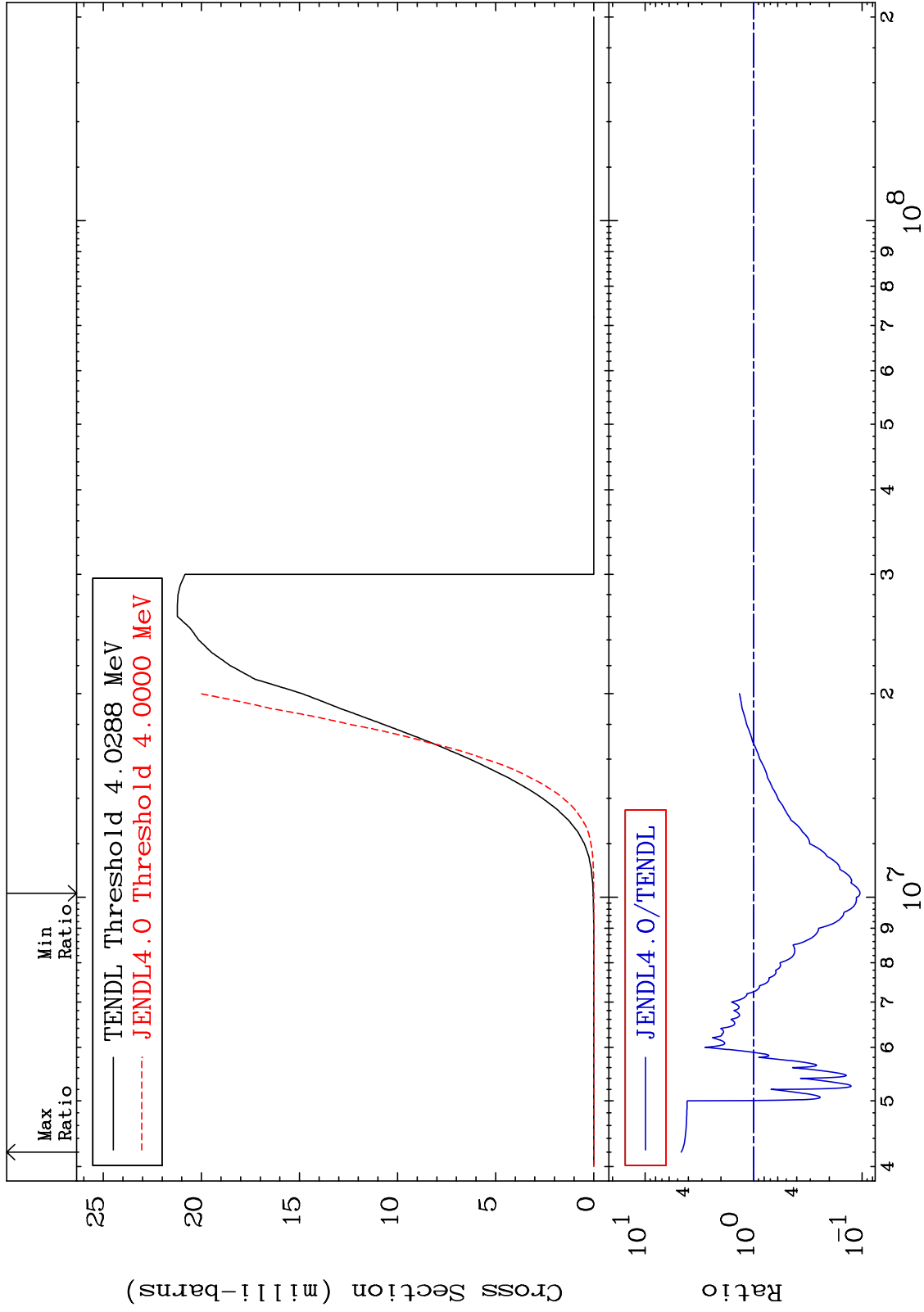
MAT 4525

(n, d)

45-Rh-103

Cross Section

-89.54 To 364.5 %



25

Incident Energy (eV)

45-Rh-103

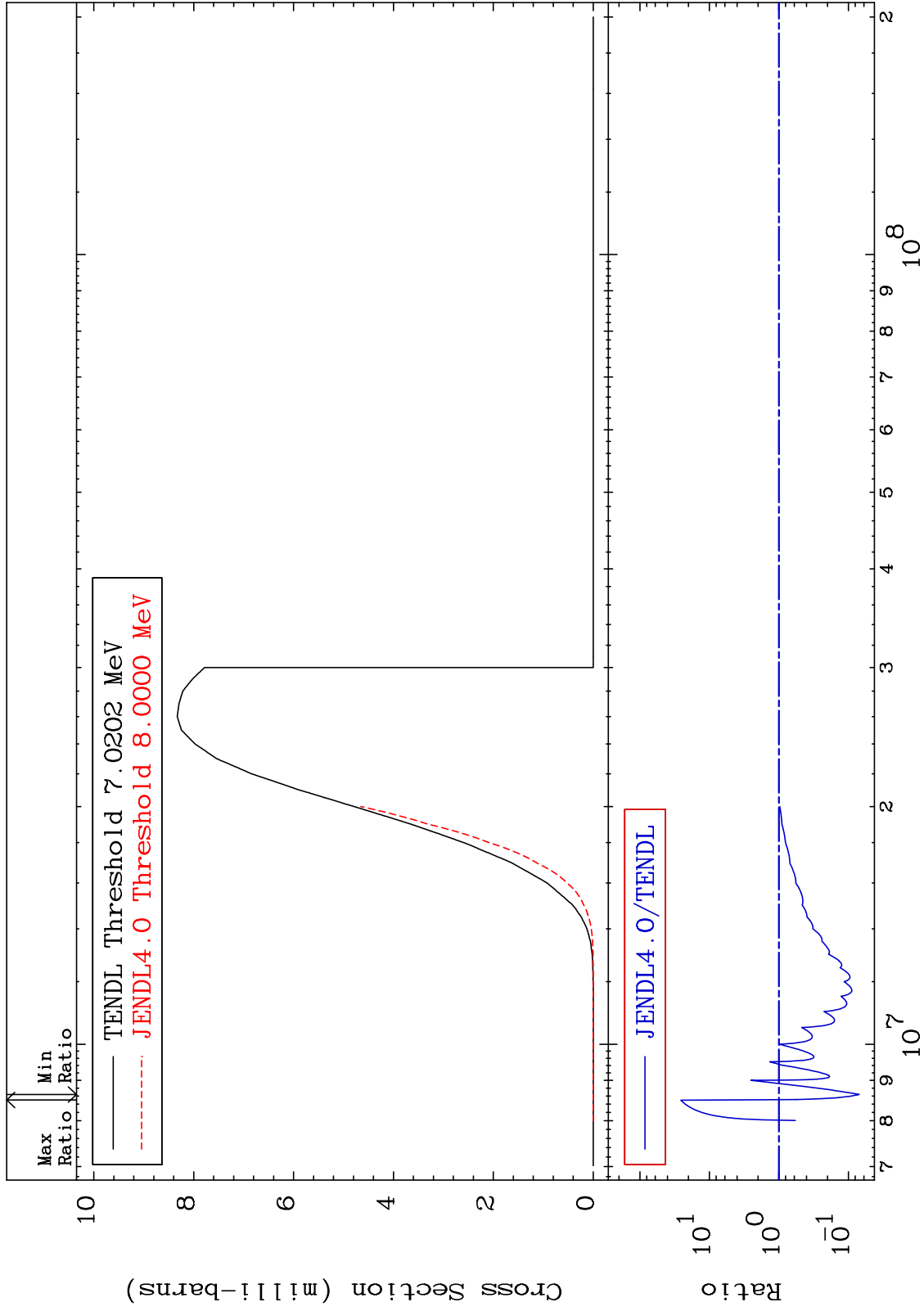
MAT 4525

(n, t)

45-Rh-103

Cross Section

-93.00 To 2494. %



45-Rh-103

Incident Energy (eV)

26

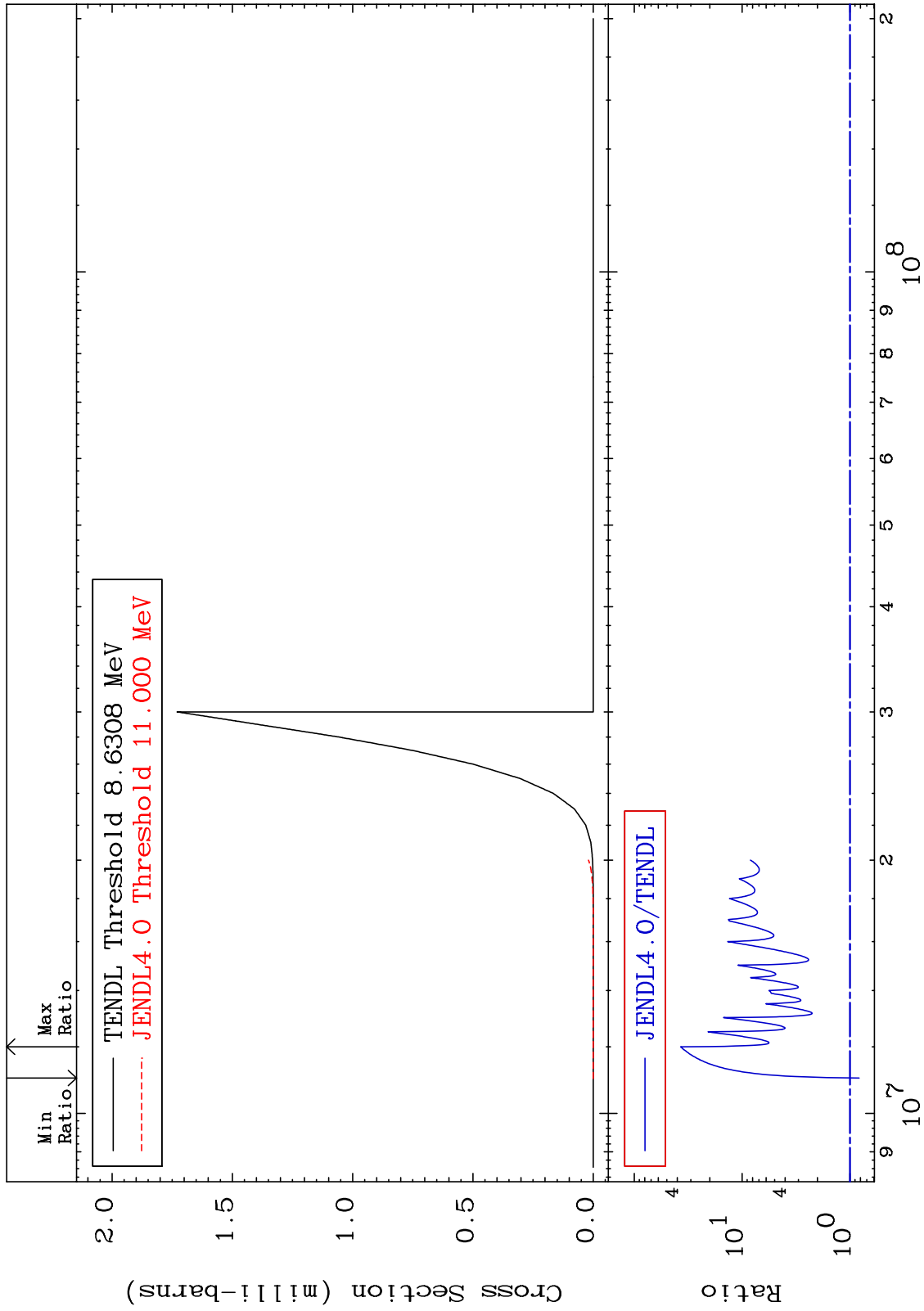
MAT 4525

(n, He-3)

45-Rh-103

Cross Section

-17.82 To 3622. %



27

Incident Energy (eV)

45-Rh-103

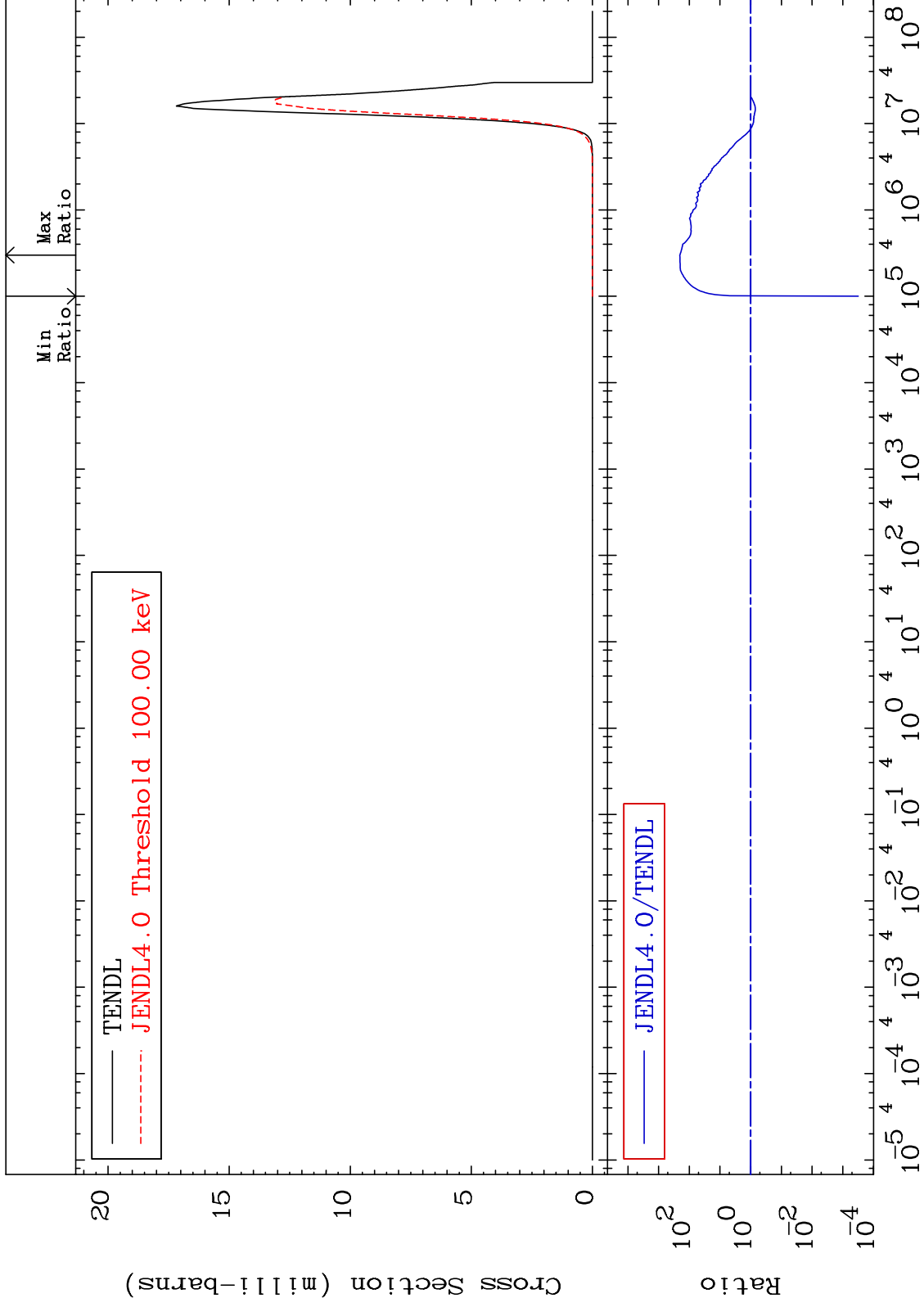
MAT 4525

(n, α)

45-Rh-103

Cross Section

-99.97 To 9999. %



28

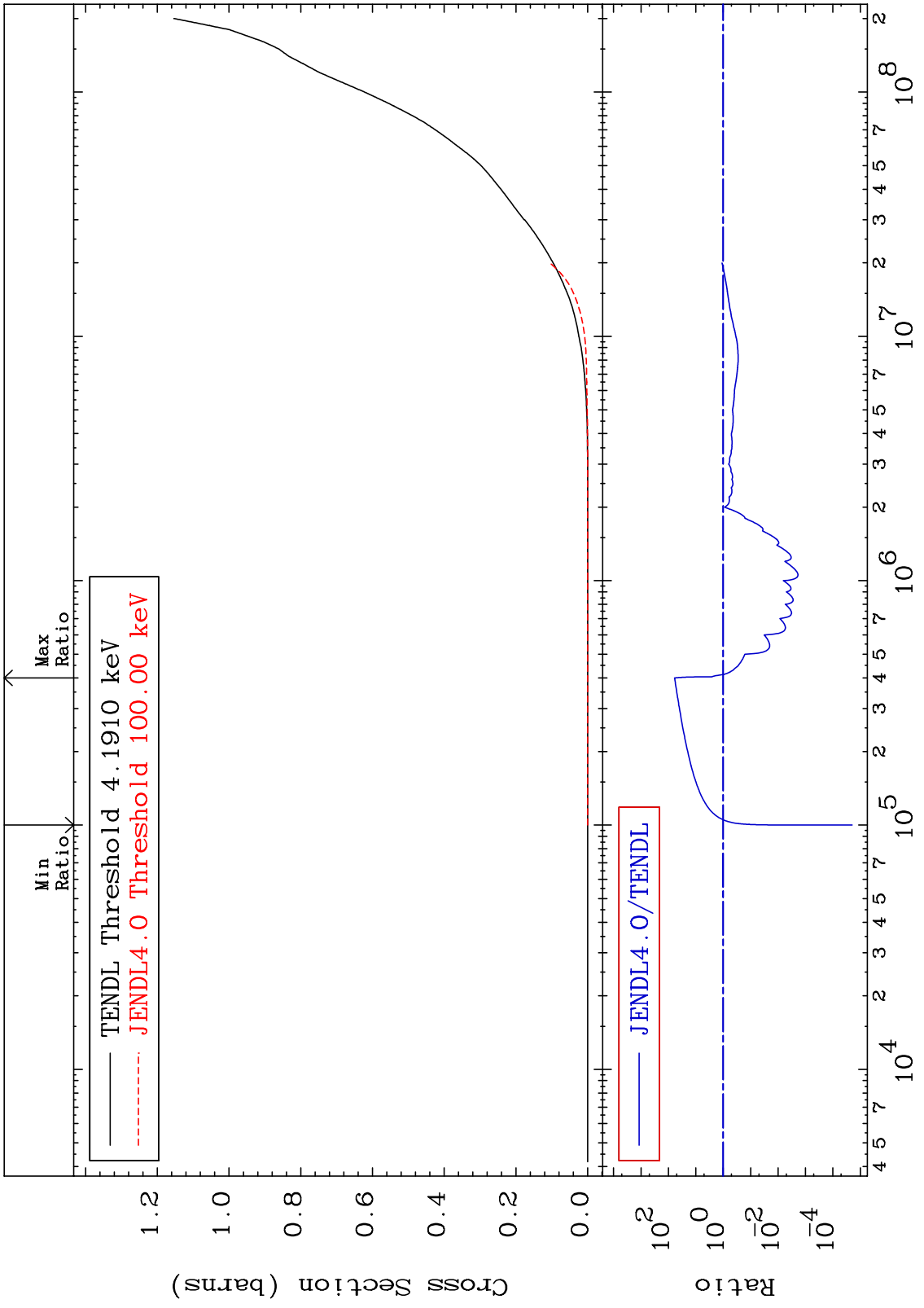
Incident Energy (eV)

45-Rh-103

MAT 4525

Hydrogen Production
Cross Section

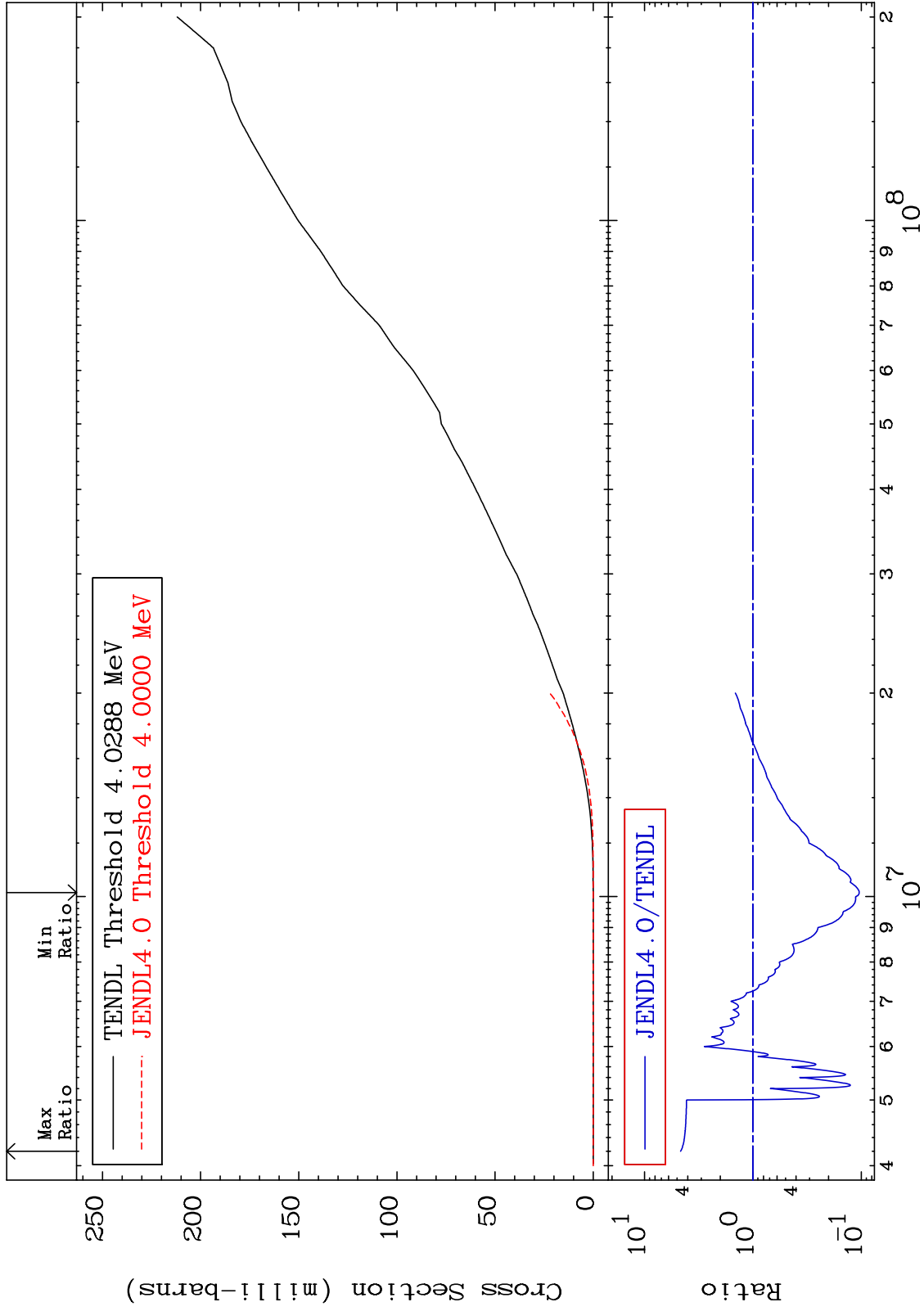
45-Rh-103
-100.0 To 5847. %



MAT 4525

Deuterium Production
Cross Section

45-Rh-103
-89.54 To 364.5 %



30

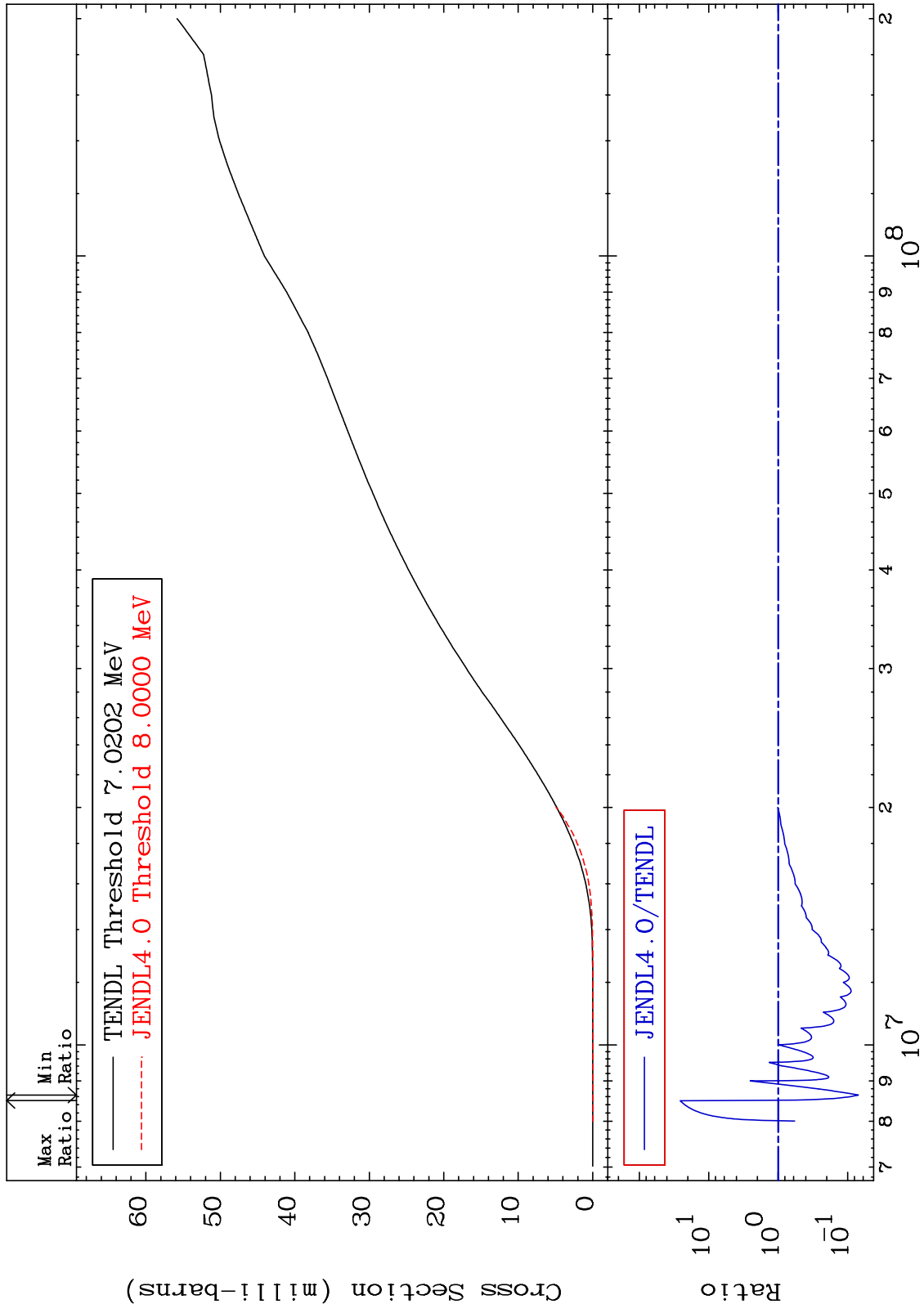
Incident Energy (eV)

45-Rh-103

MAT 4525

Tritium Production
Cross Section

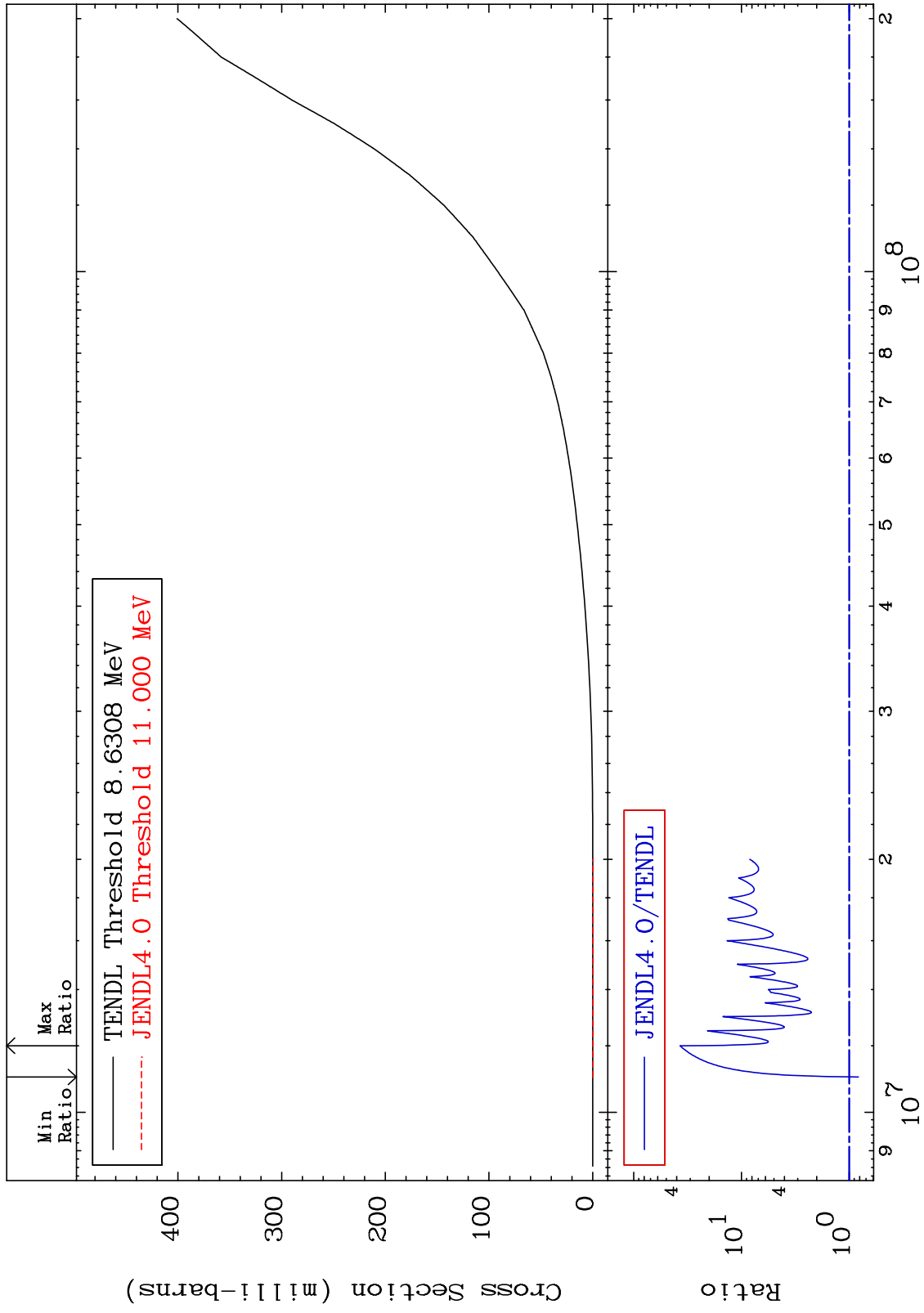
45-Rh-103
-93.00 To 2494. %



MAT 4525

He-3 Production
Cross Section

45-Rh-103
-17.82 To 3622. %



32

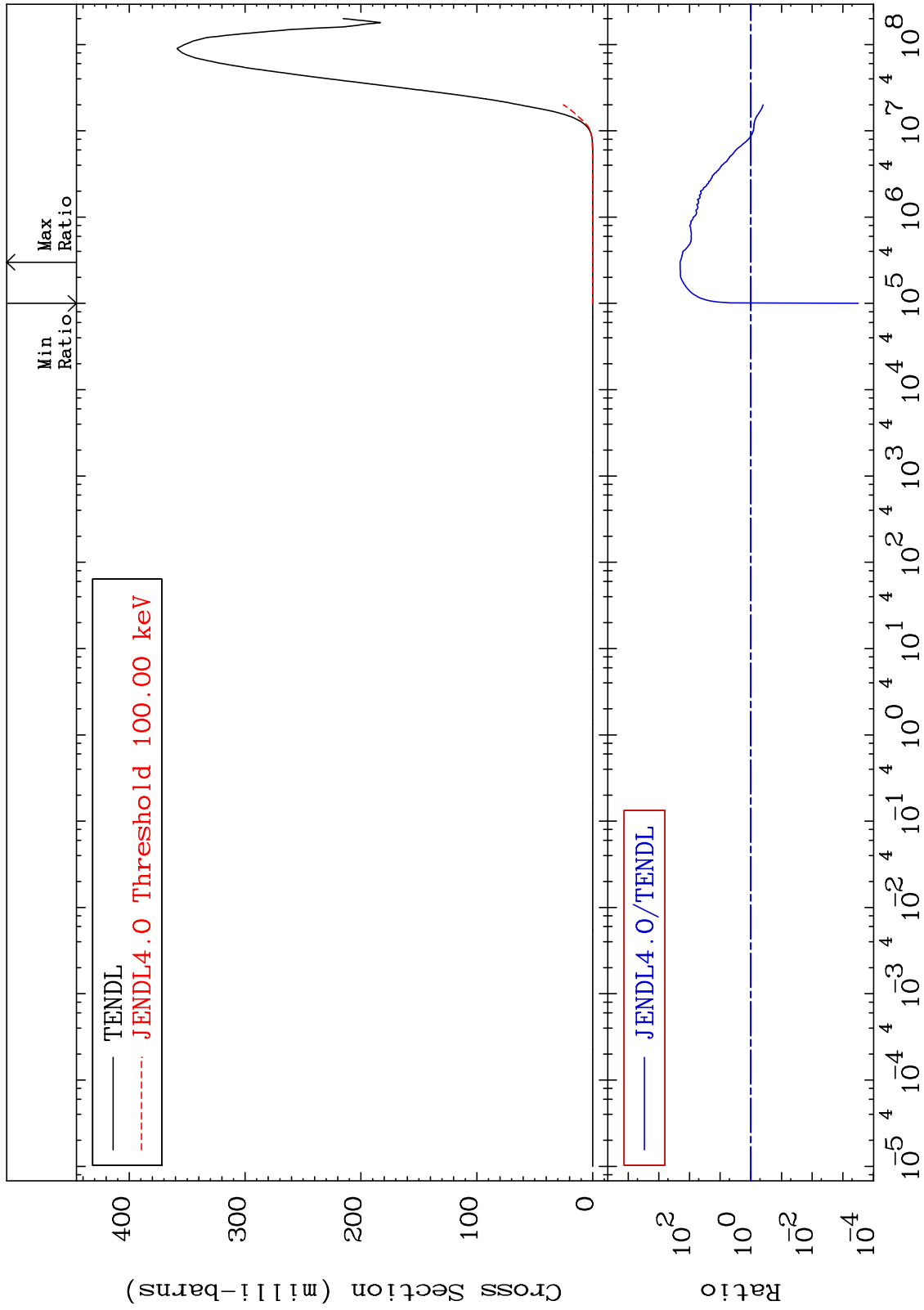
Incident Energy (eV)

45-Rh-103

MAT 4525

He-4 Production
Cross Section

45-Rh-103
-99.97 To 9999. %

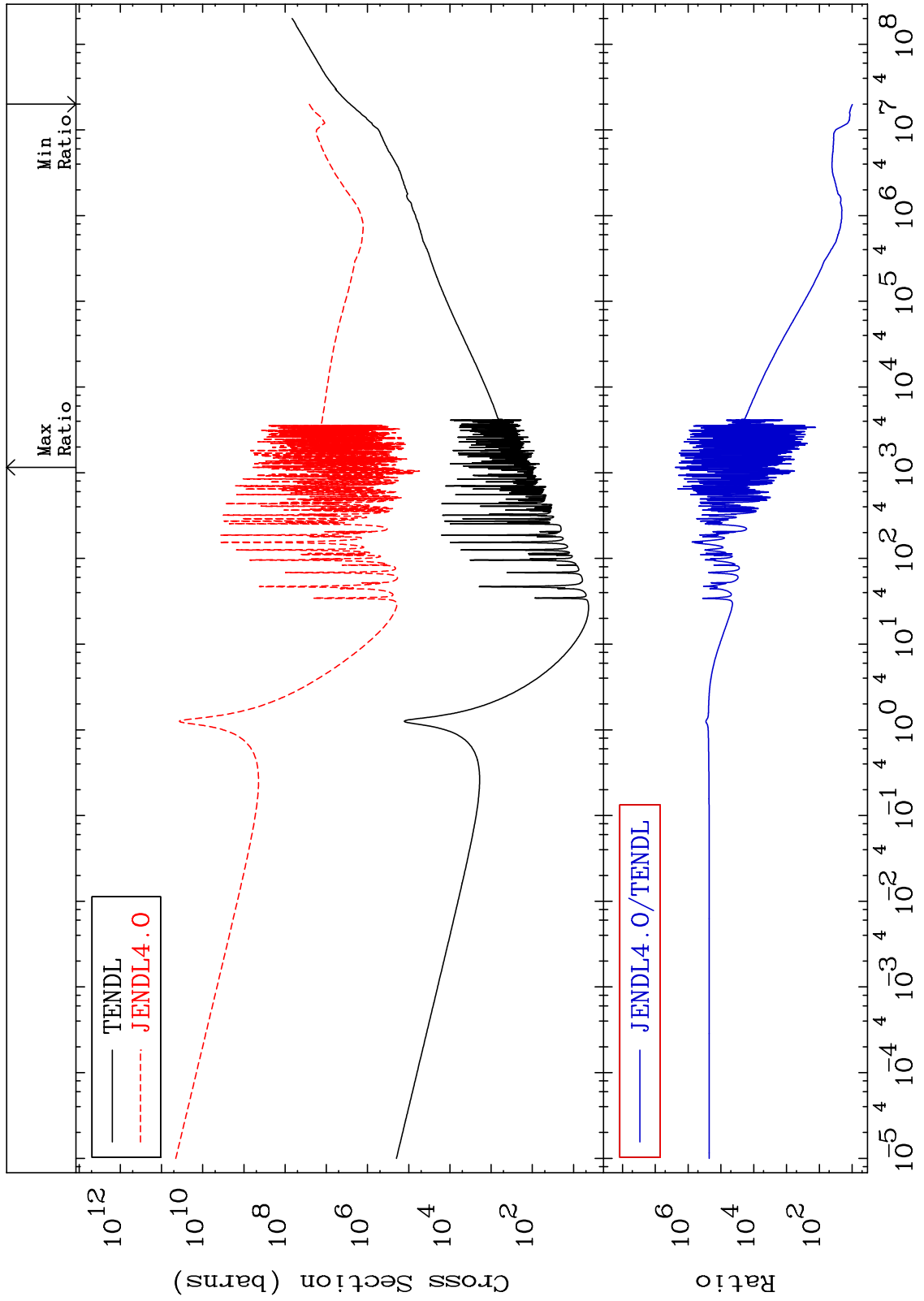


33

Incident Energy (eV)

45-Rh-103

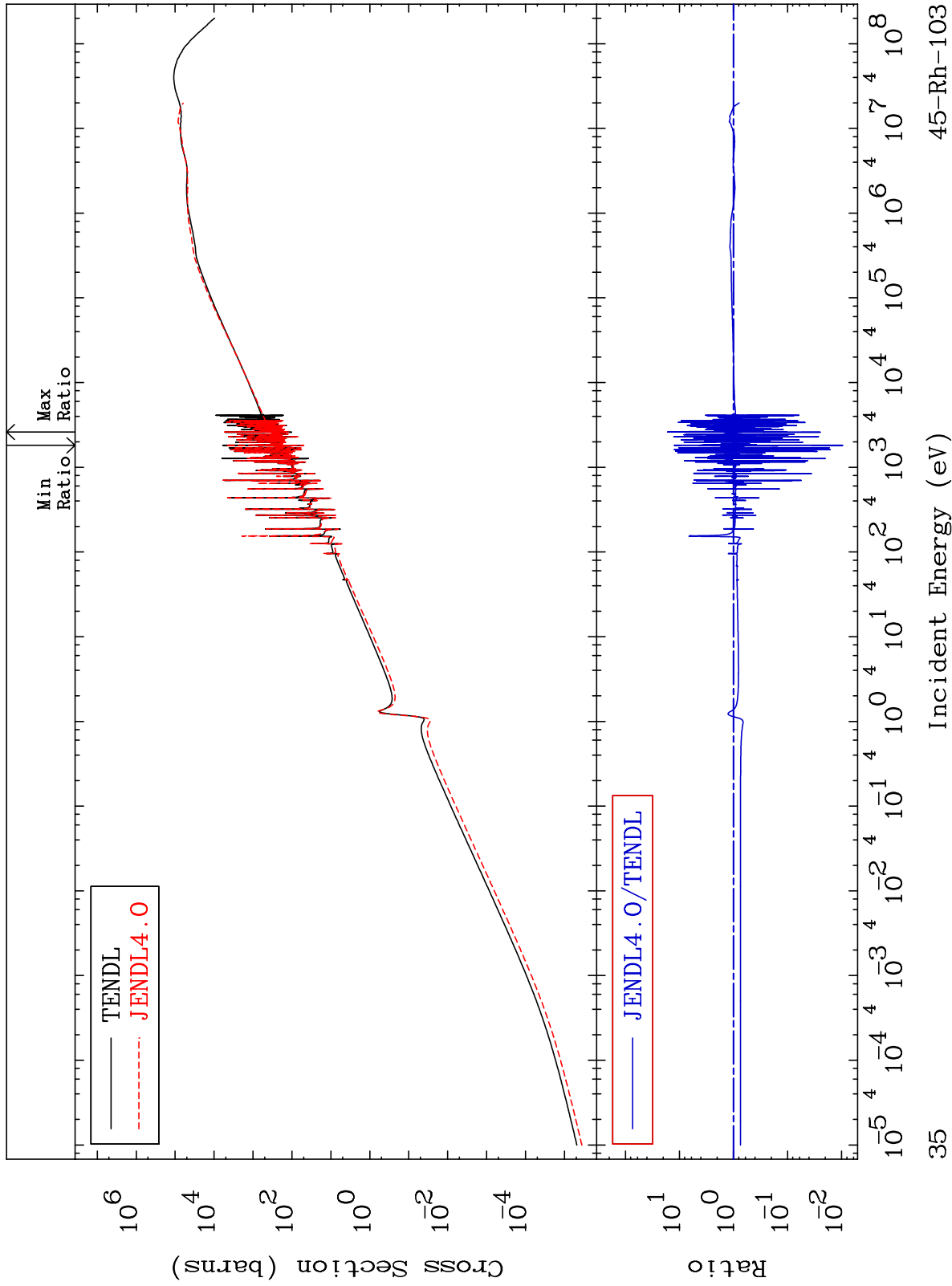
MAT 4525 Kerma total (eV-barns) 45-Rh-103
 Cross Section 884.8 To 9999. %



MAT 4525

Kerma elastic
Cross Section

45-Rh-103
-99.05 To 1561. %



35

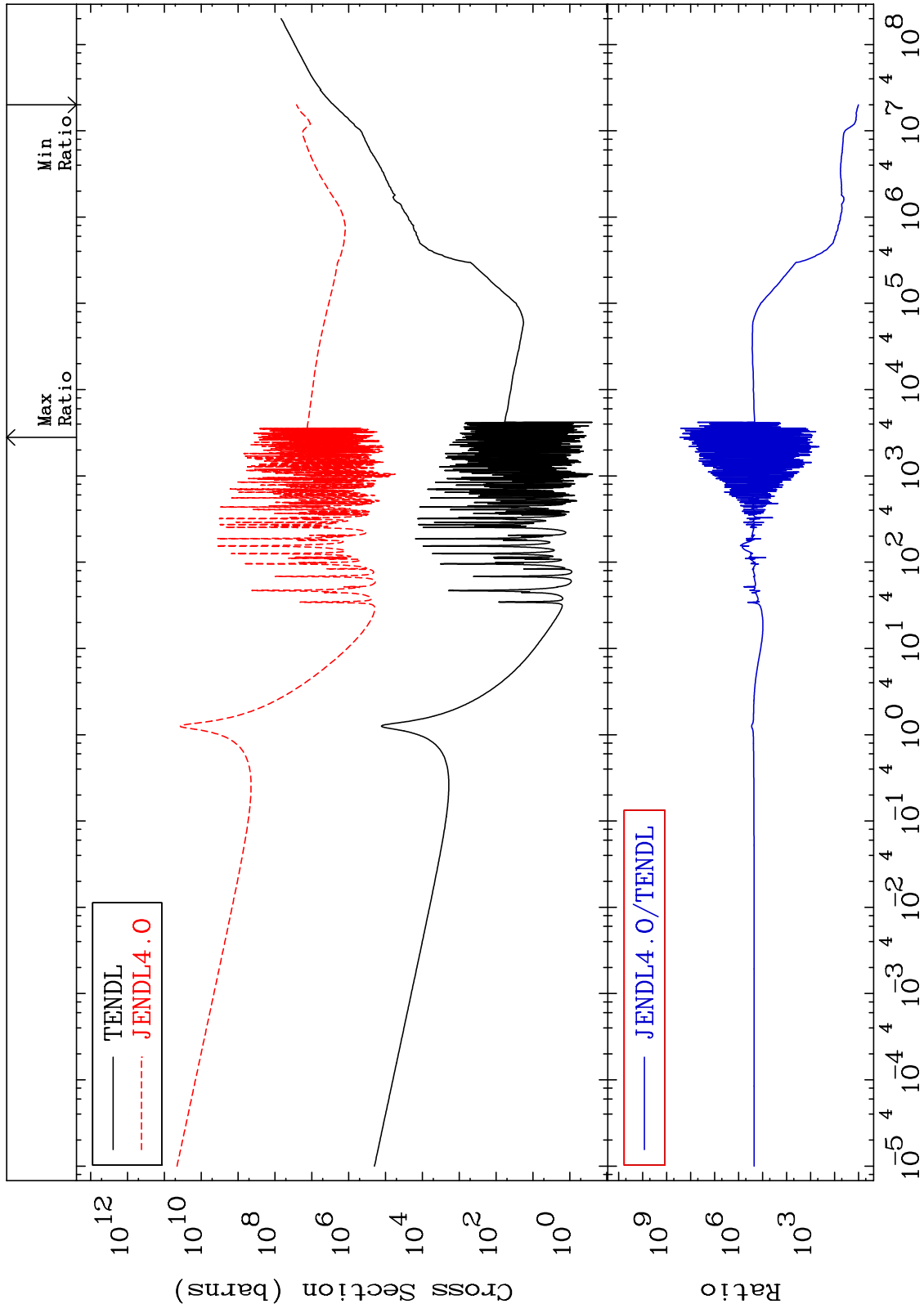
Incident Energy (eV)

45-Rh-103

MAT 4525

Kerma non-elastic (all but mt2)
Cross Section

45-Rh-103
912.3 To 9999. %



36

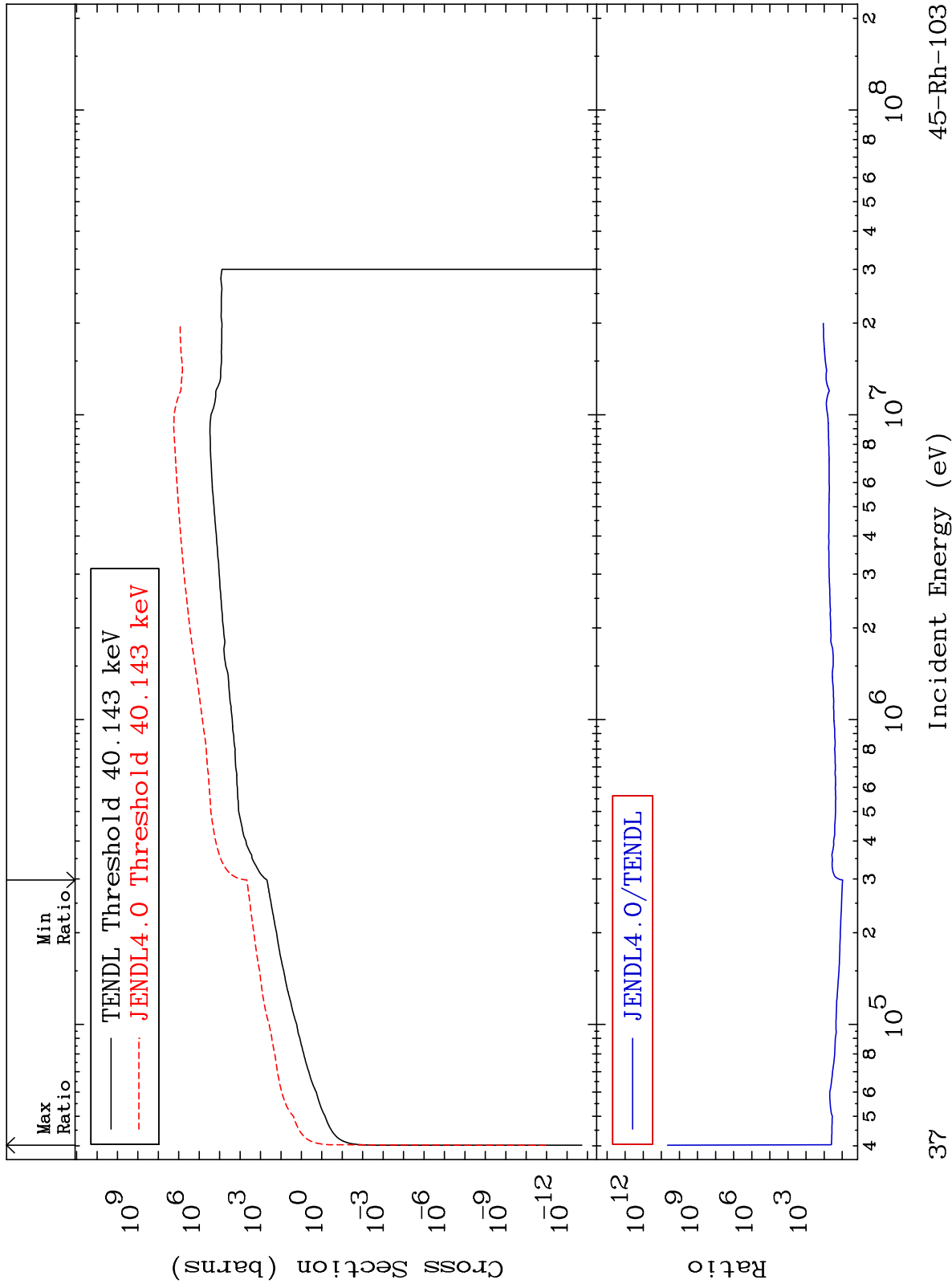
Incident Energy (eV)

45-Rh-103

MAT 4525

Kerma inelastic (mt51-91)
Cross Section

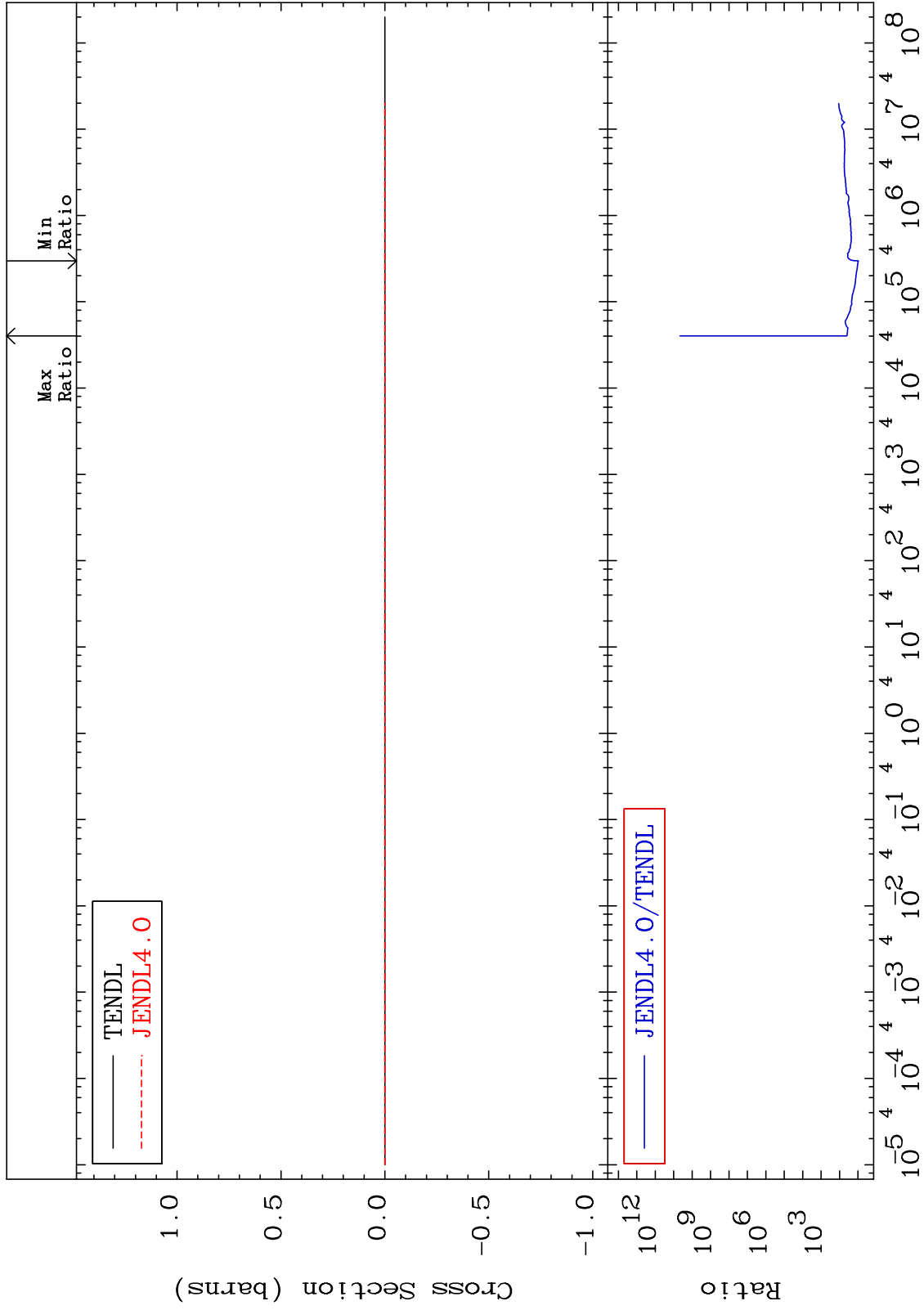
45-Rh-103
847.3 To 9999. %



MAT 4525

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

45-Rh-103
847.3 To 9999. %



38

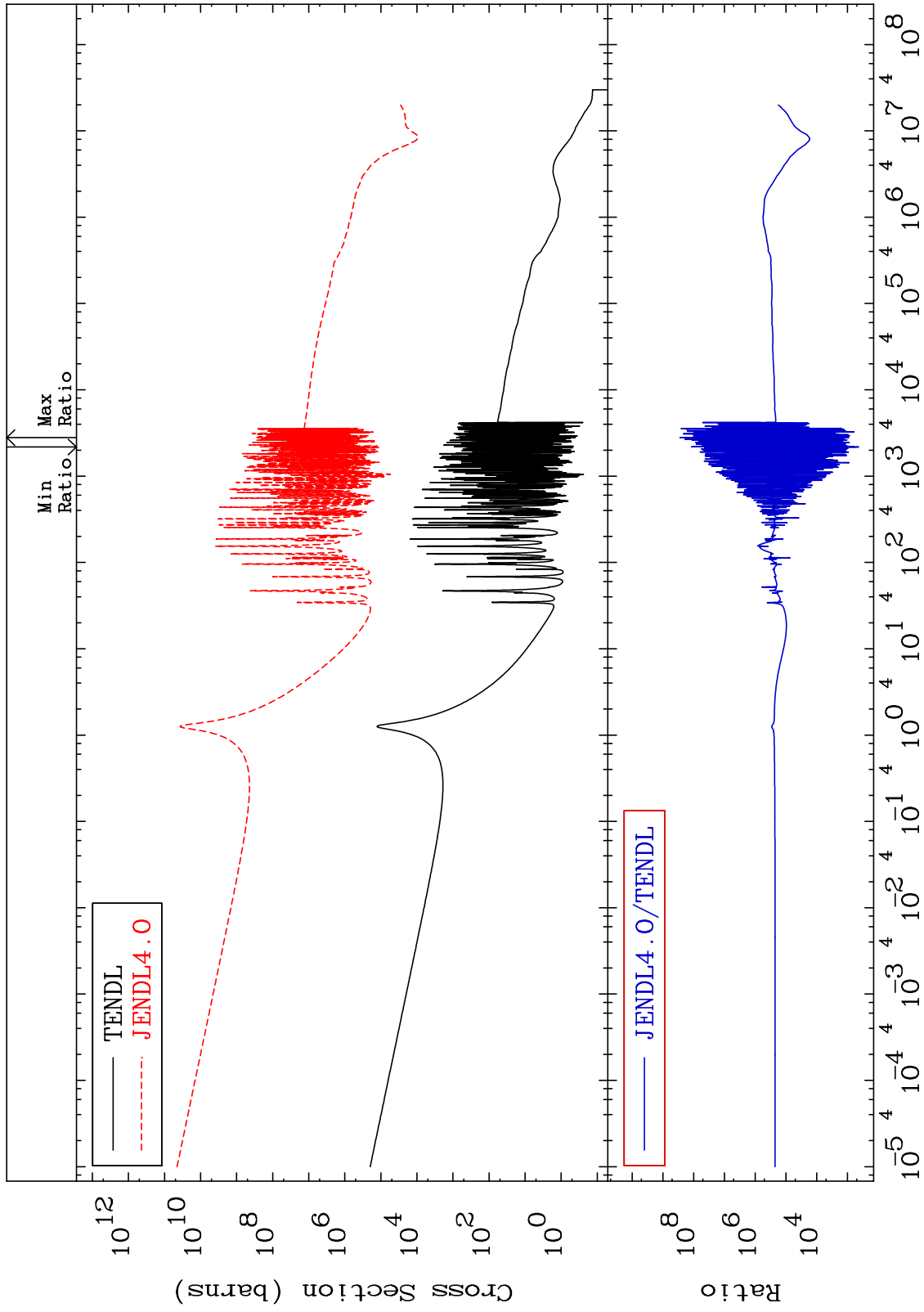
Incident Energy (eV)

45-Rh-103

MAT 4525

Kerma capture (mt102)
Cross Section

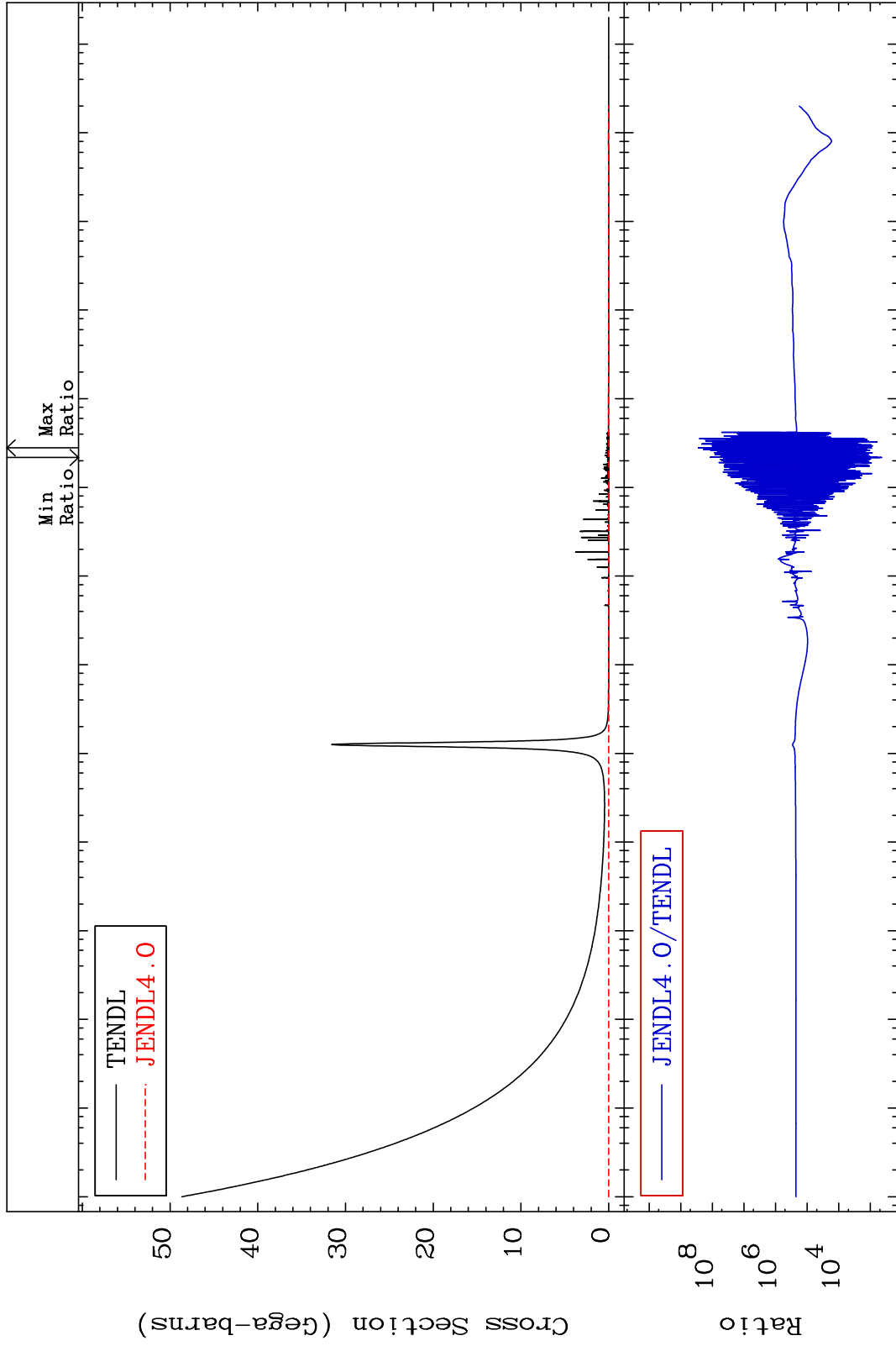
45-Rh-103
9999. To 9999. %



MAT 4525

Total photon (eV-barns)
Cross Section

45-Rh-103
9999. To 9999. %



40

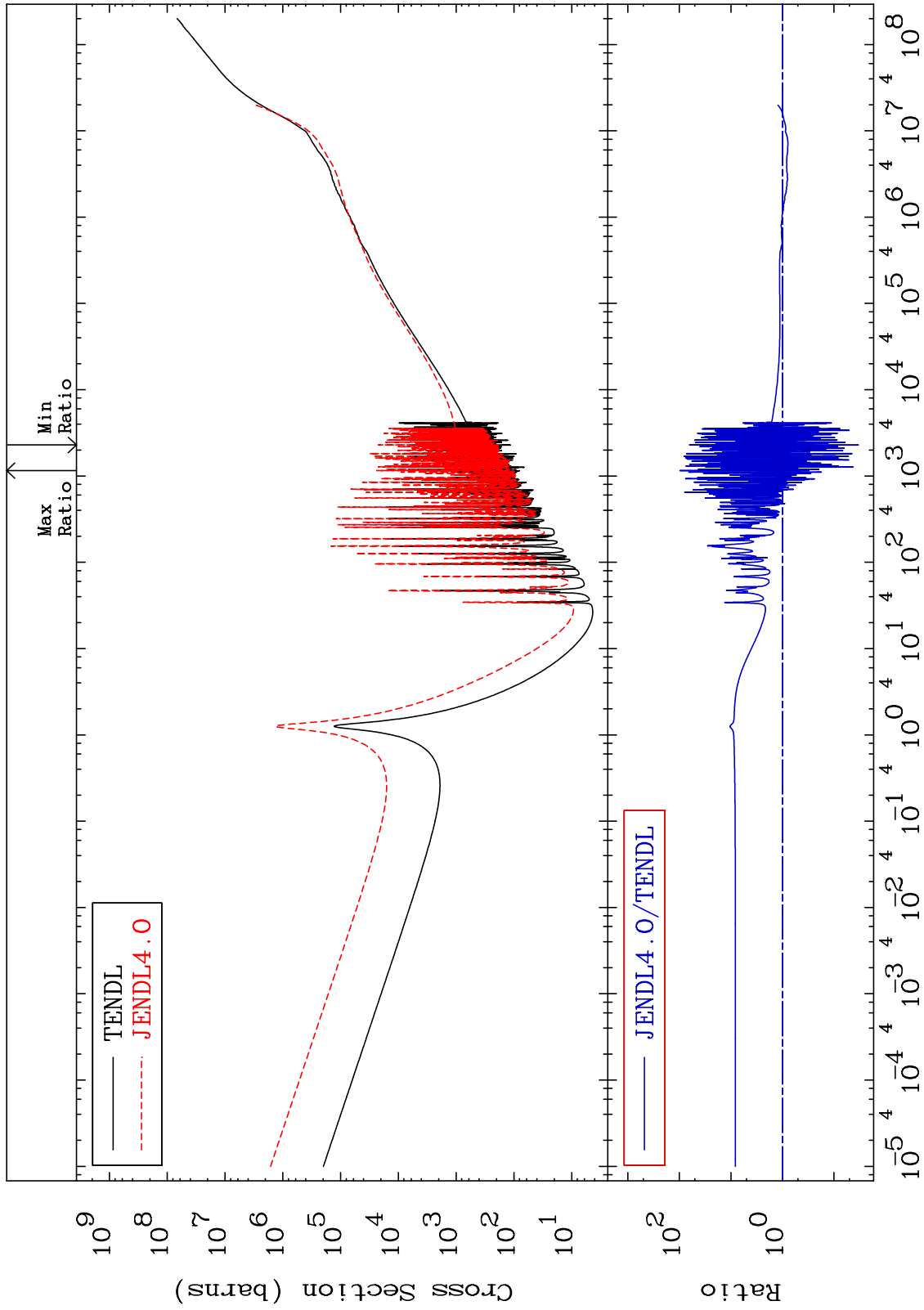
Incident Energy (eV)

45-Rh-103

MAT 4525

Total kinematic kerma (high limit)
Cross Section

45-Rh-103
-96.64 To 9611. %



41

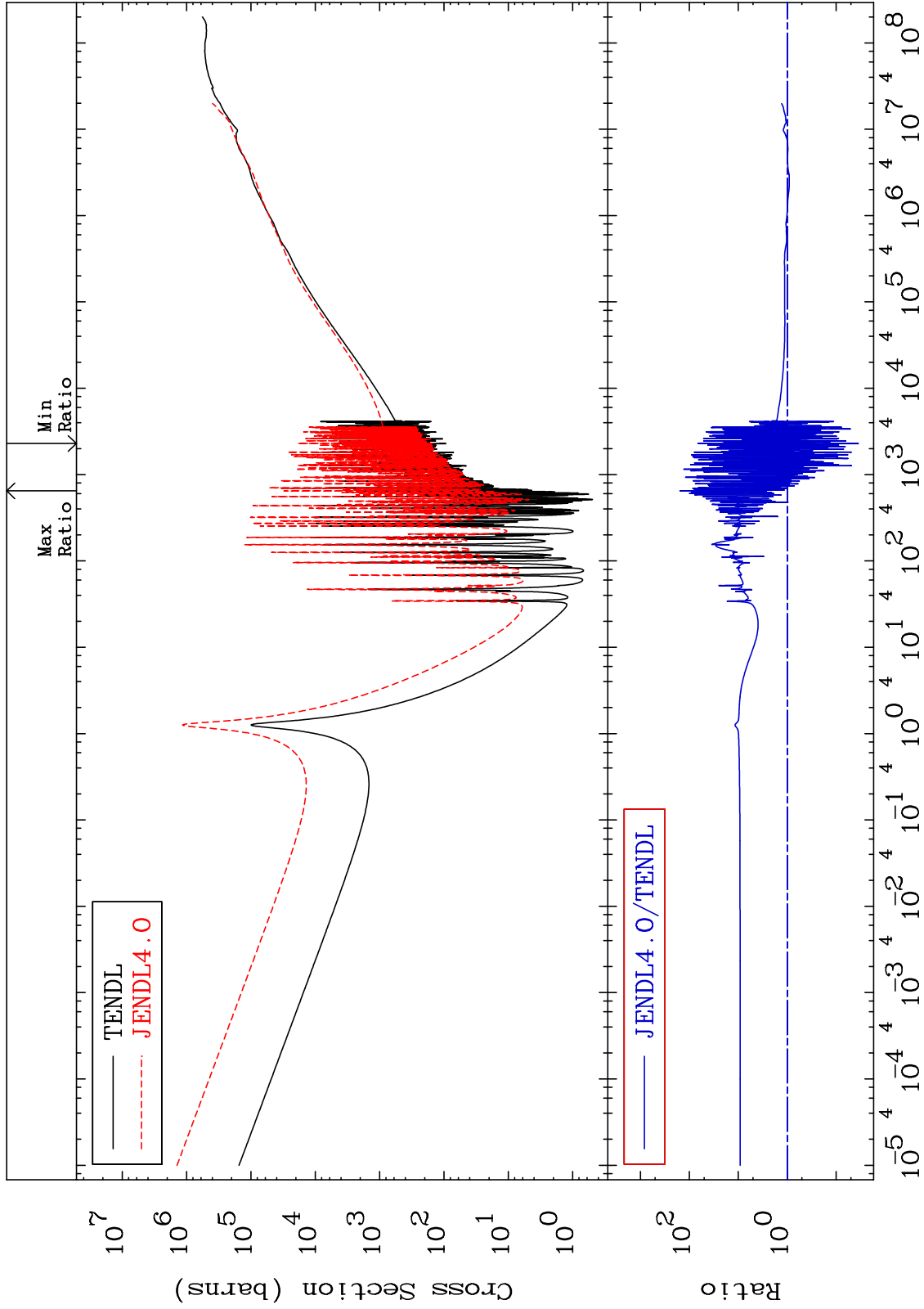
Incident Energy (eV)

45-Rh-103

MAT 4525

Dpa total (eV-barns)
Cross Section

45-Rh-103
-96.50 To 9999. %



42

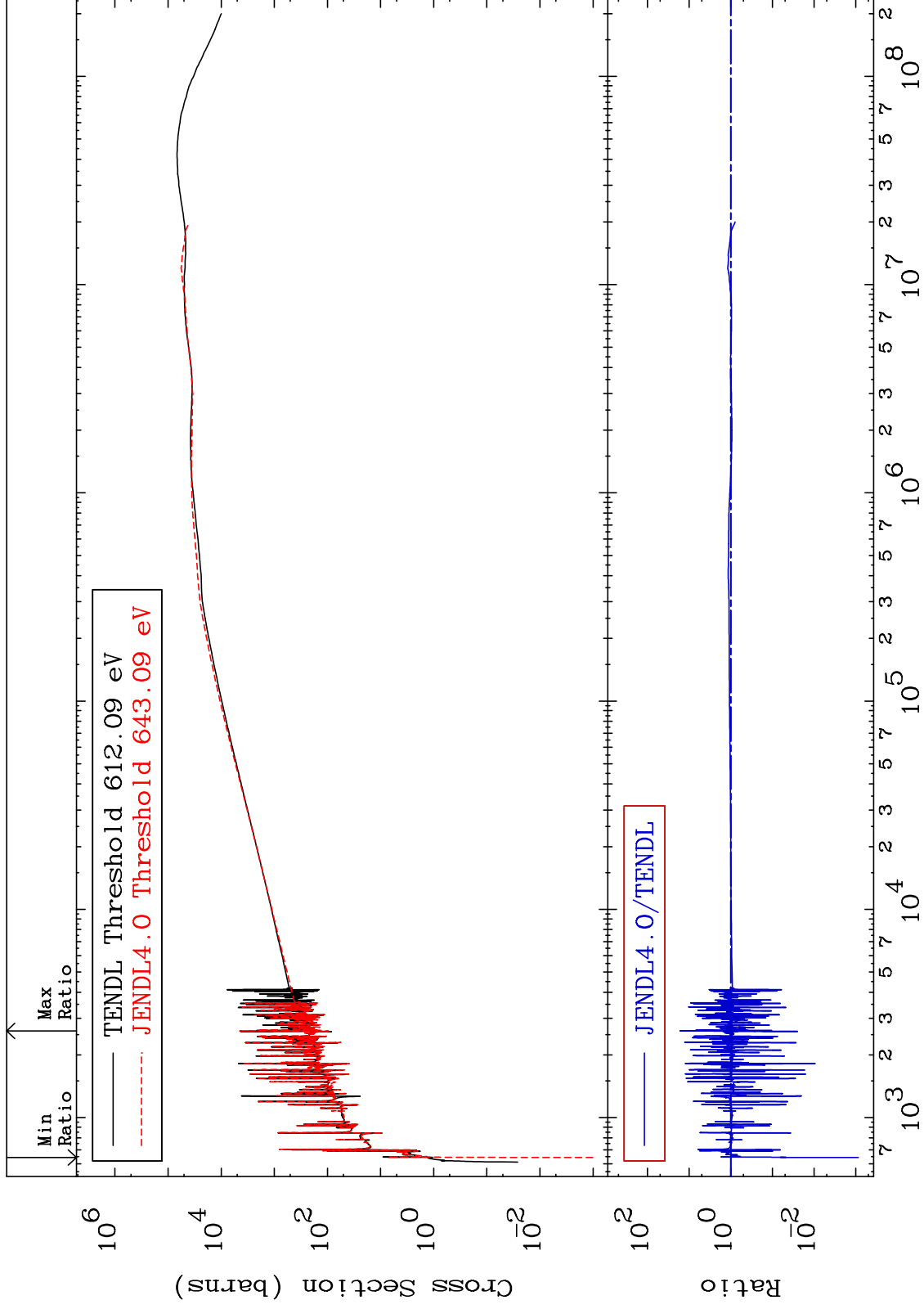
Incident Energy (eV)

45-Rh-103

MAT 4525

Dpa elastic (mt2)
Cross Section

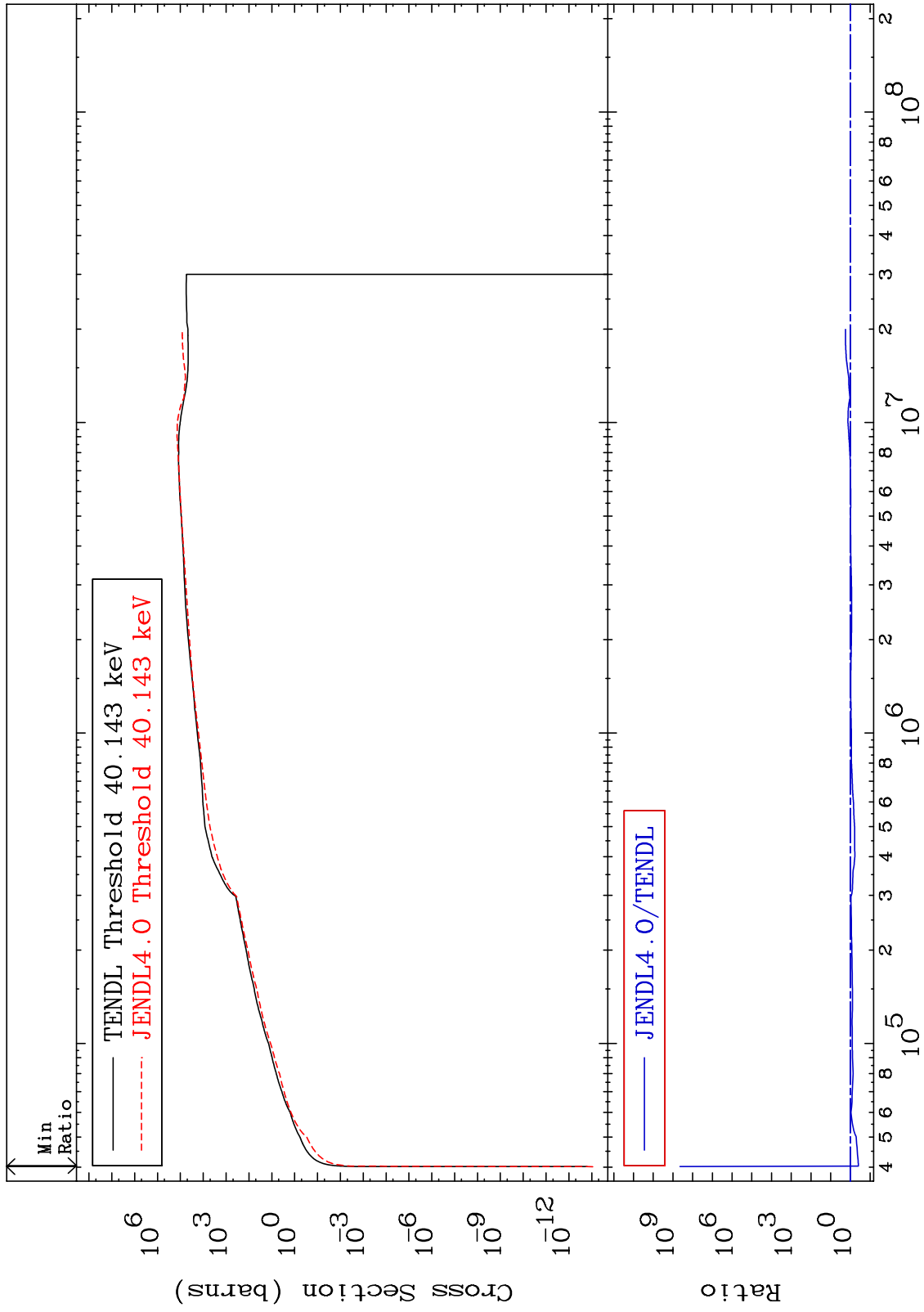
45-Rh-103
-99.91 To 1562. %



MAT 4525

Dpa inelastic (mt51-91)
Cross Section

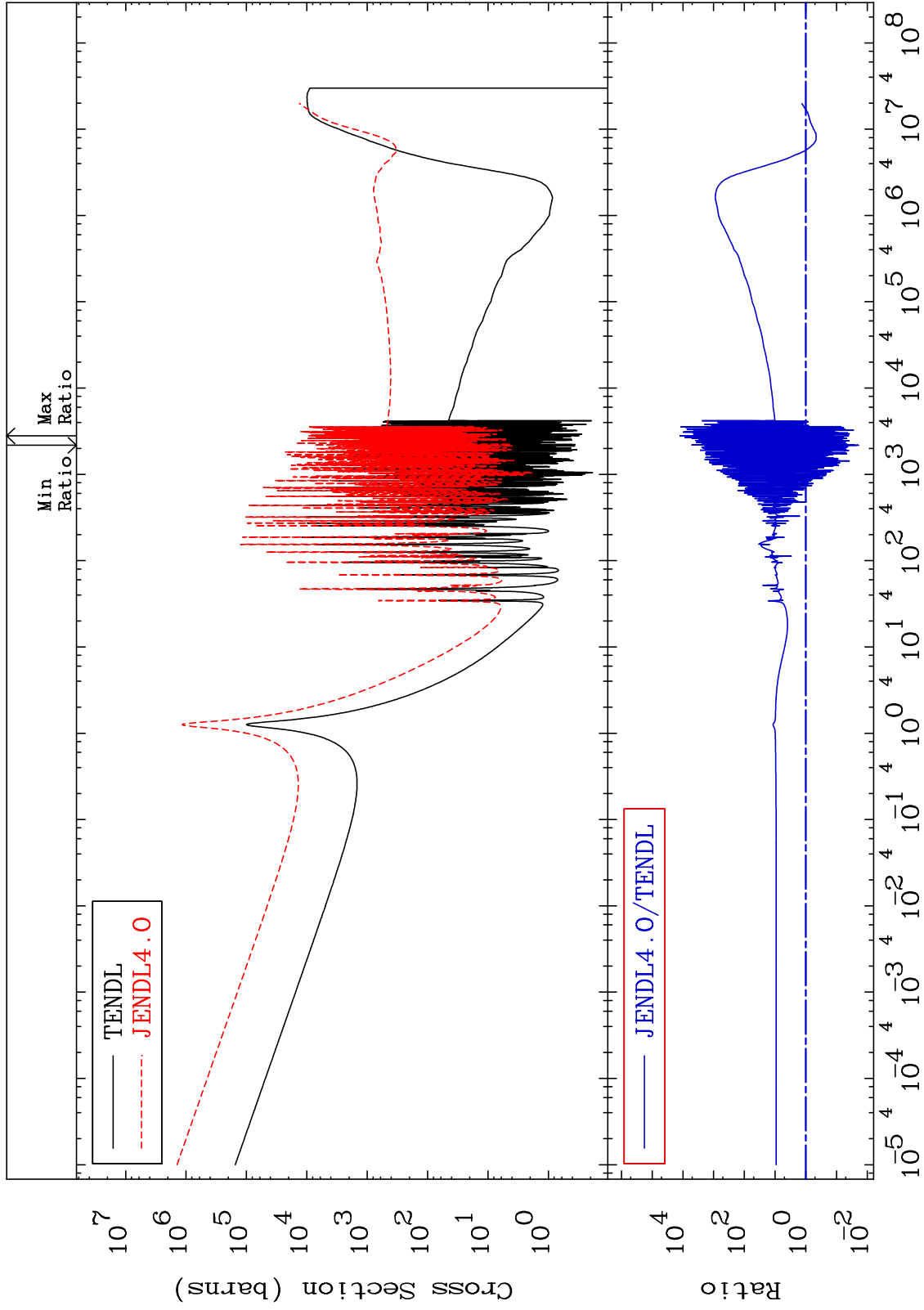
45-Rh-103
-60.96 To 9999. %



MAT 4525

Dpa disappearance (mt102 -120)
Cross Section

45-Rh-103
-98.06 To 9999. %



45

Incident Energy (eV)

45-Rh-103

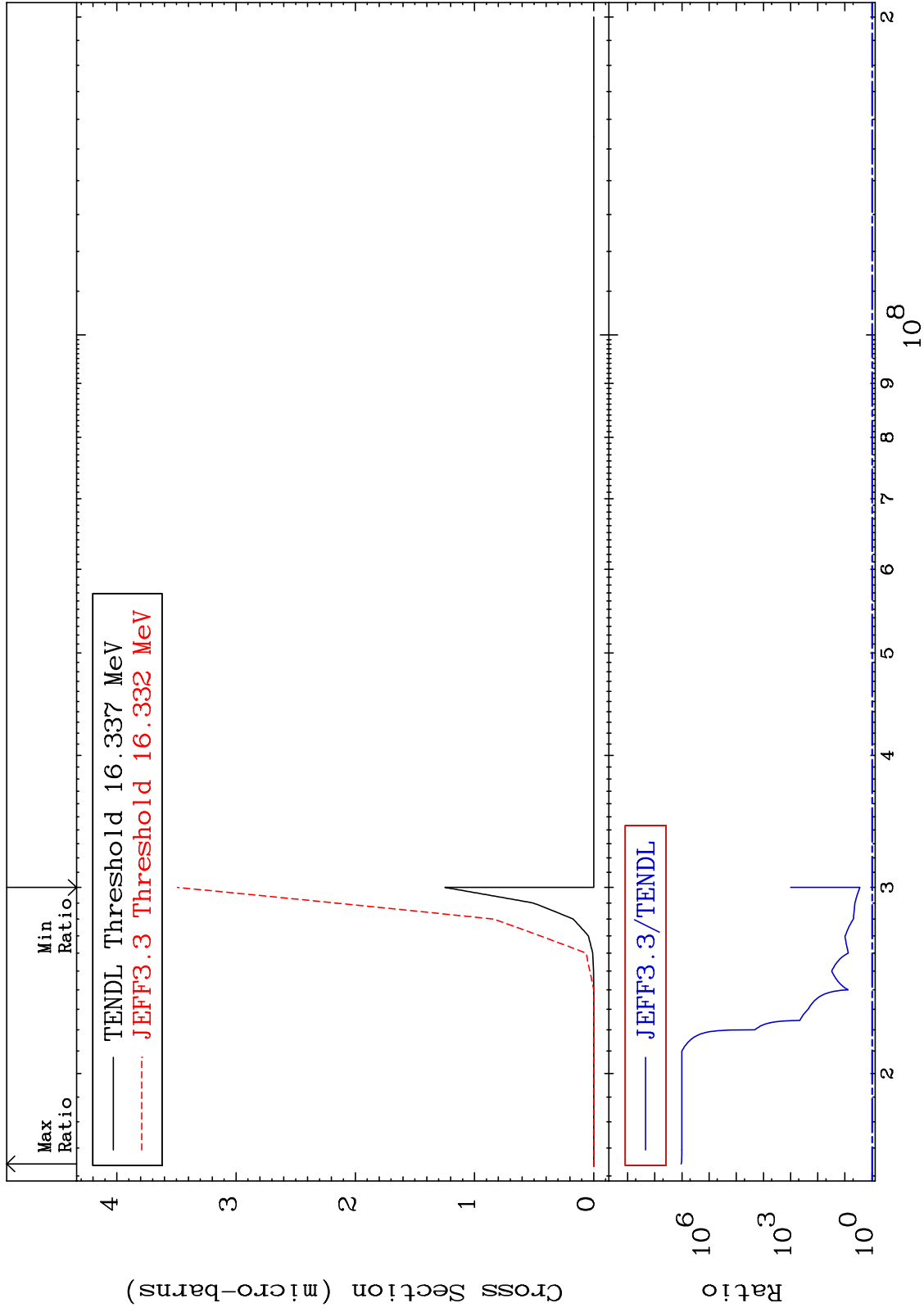
MAT 4525

(n,p) t

45-Rh-103

Cross Section

179.7 To 9999. %



46

Incident Energy (eV)

45-Rh-103

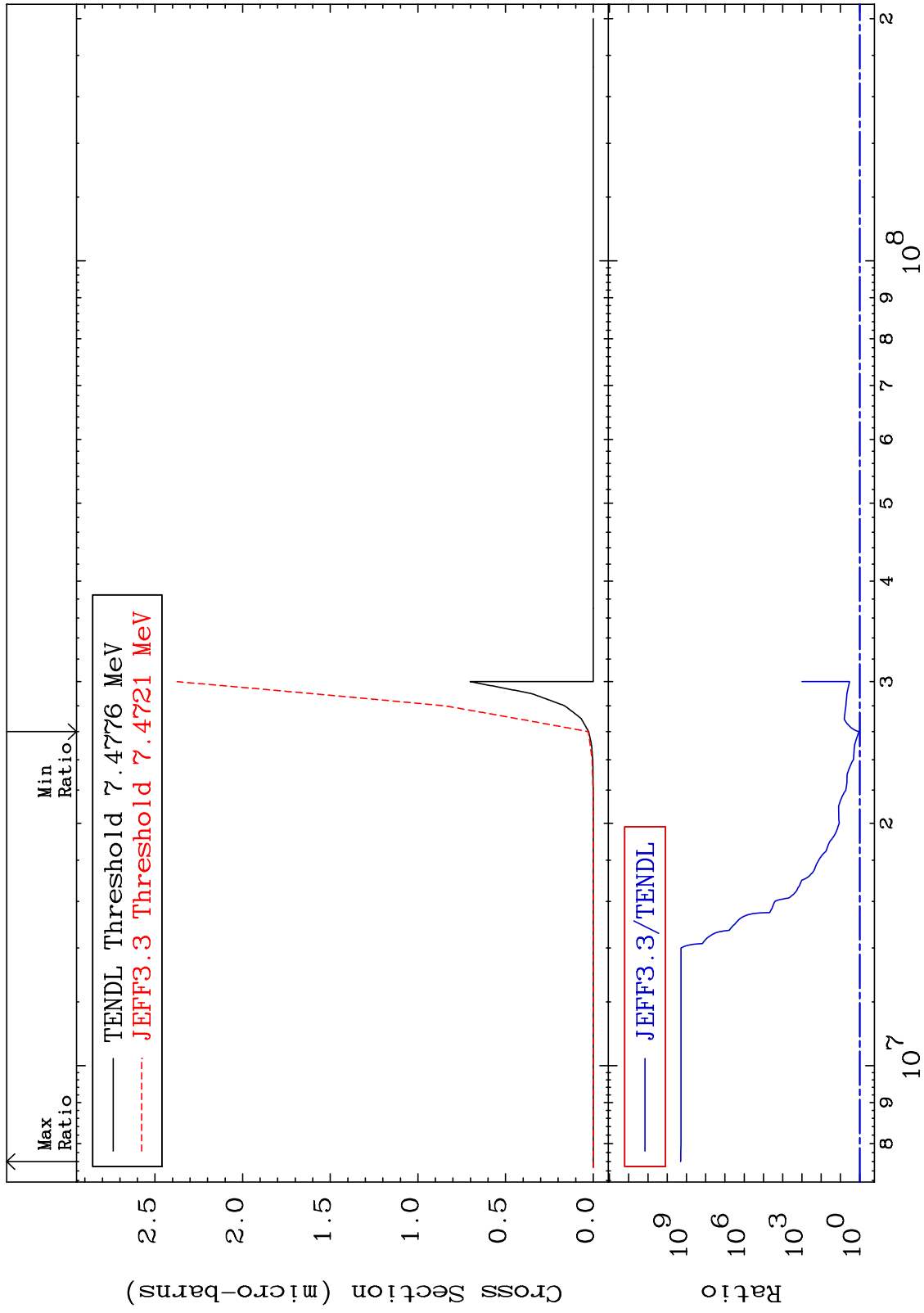
MAT 4525

(n,d) α

45-Rh-103

Cross Section

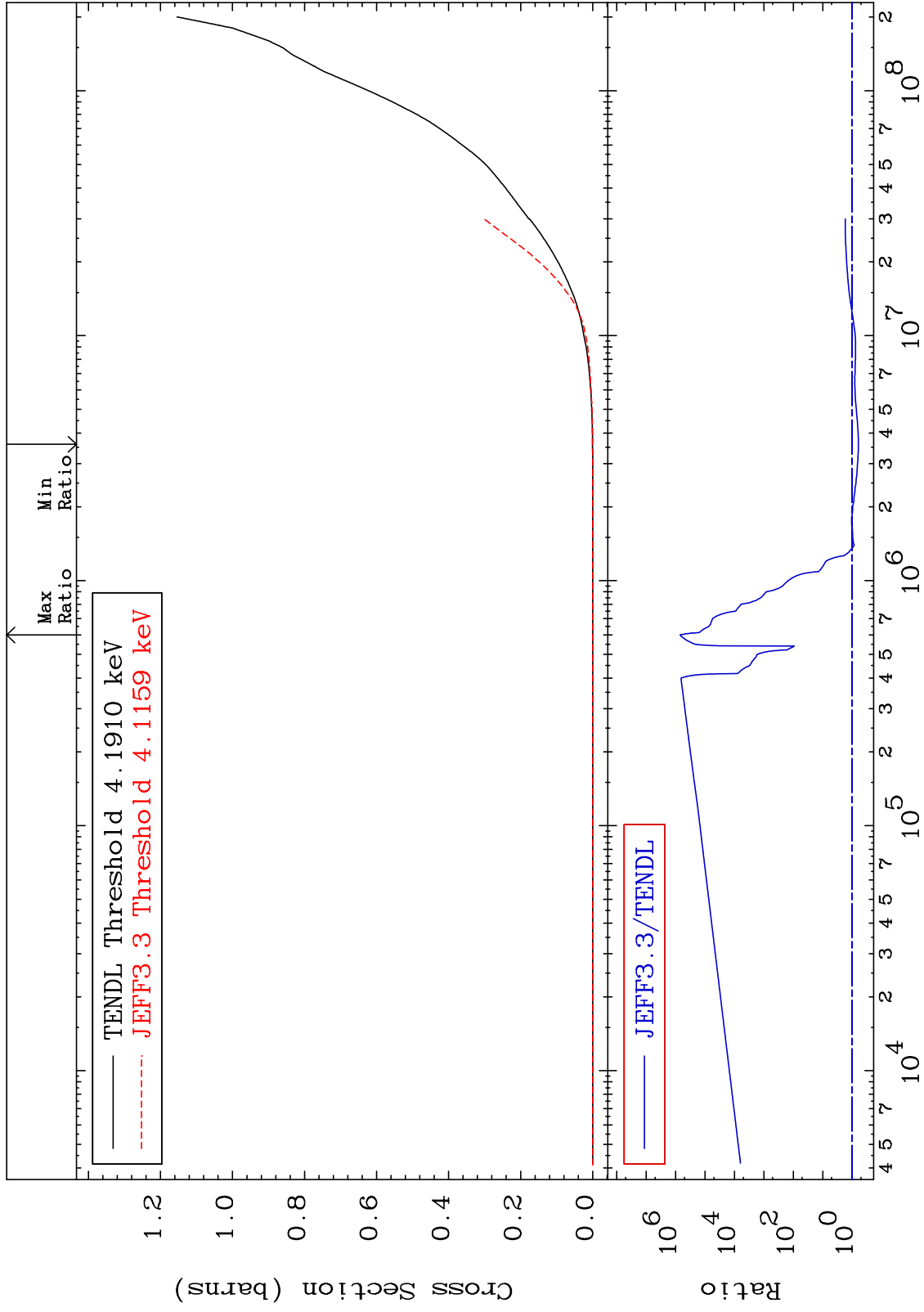
6.298 To 9999. %



MAT 4525

Hydrogen Production
Cross Section

45-Rh-103
-38.80 To 9999. %



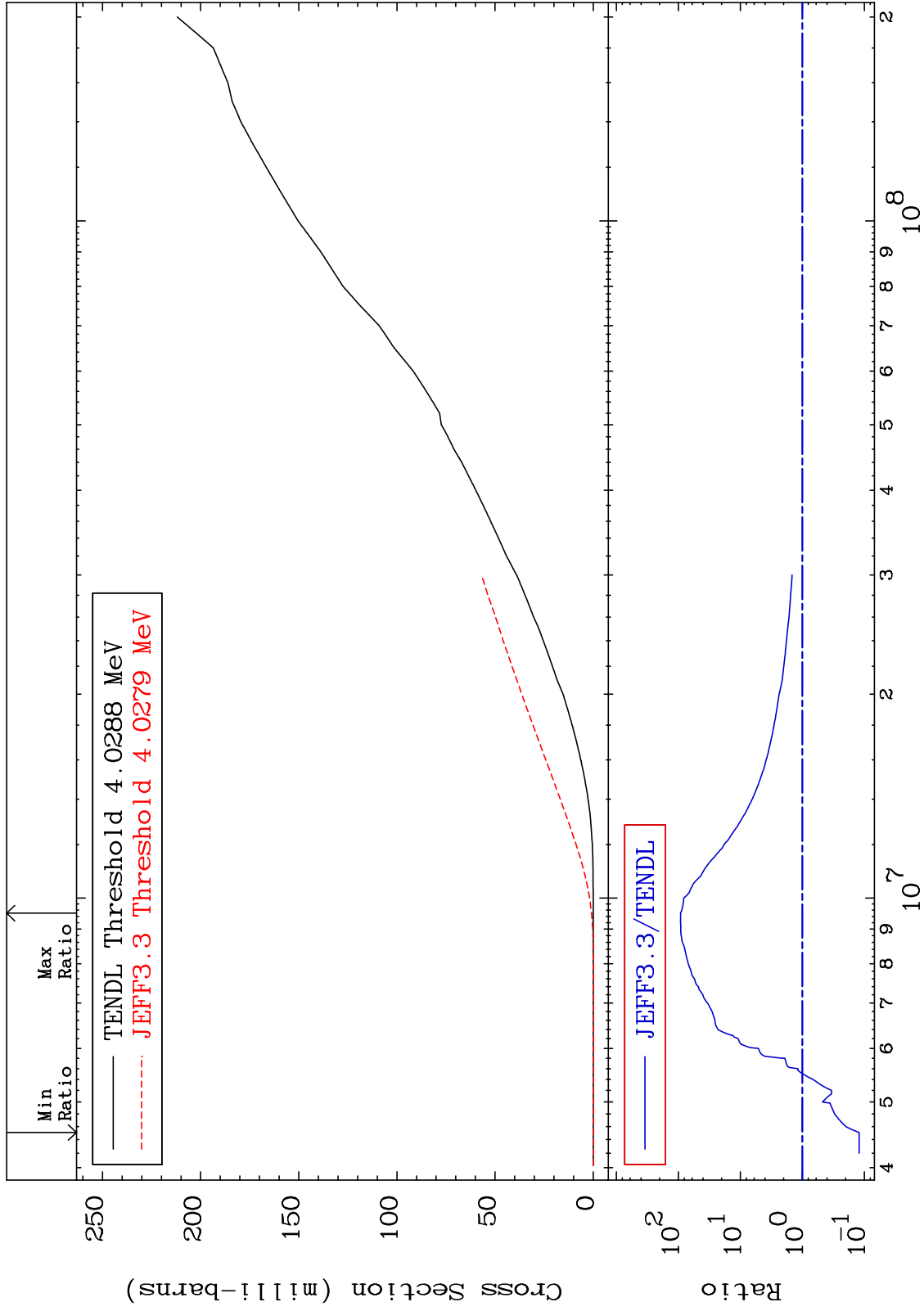
48

45-Rh-103

MAT 4525

Deuterium Production
Cross Section

45-Rh-103
-87.88 To 9077. %



49

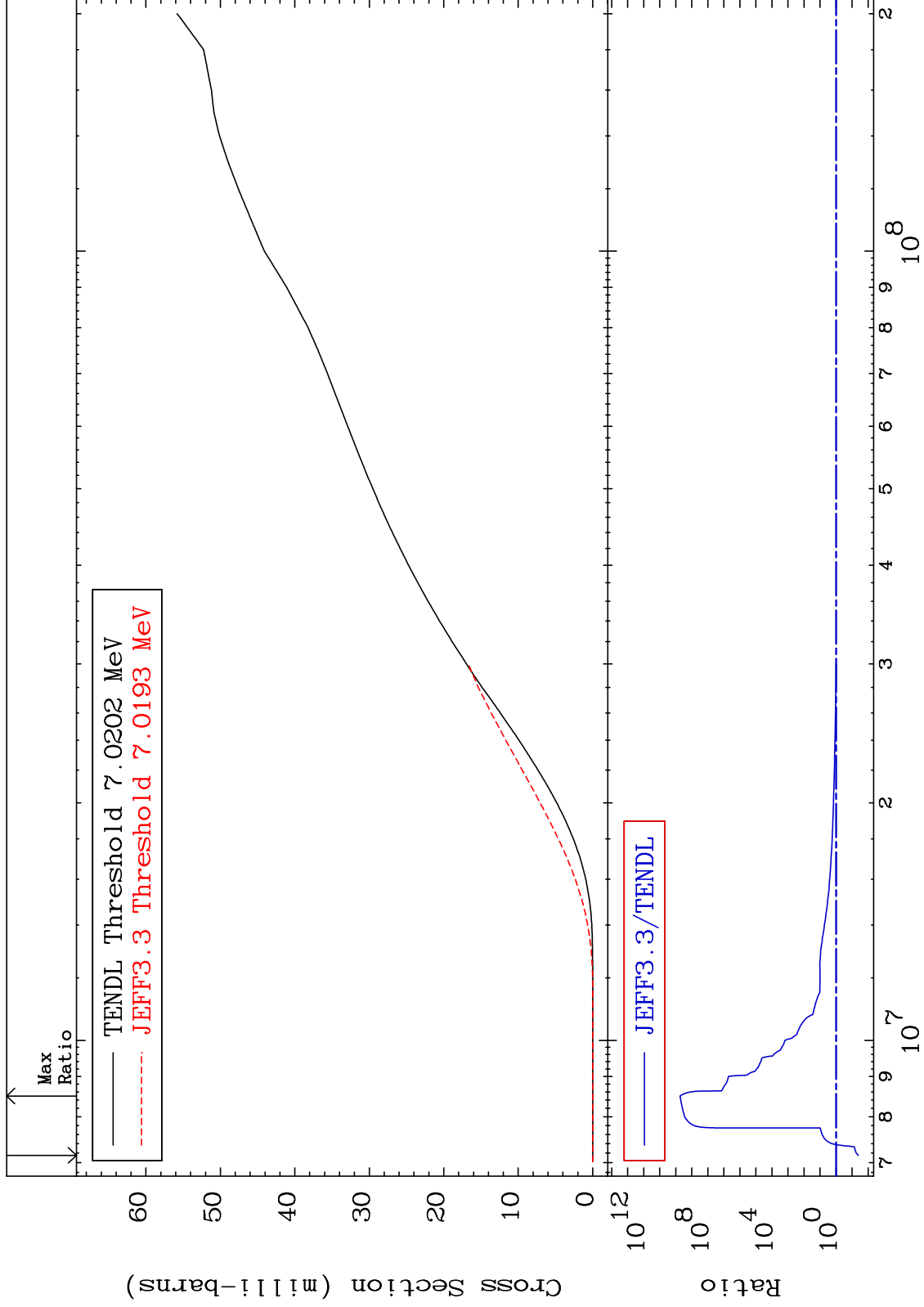
Incident Energy (eV)

45-Rh-103

MAT 4525

Tritium Production
Cross Section

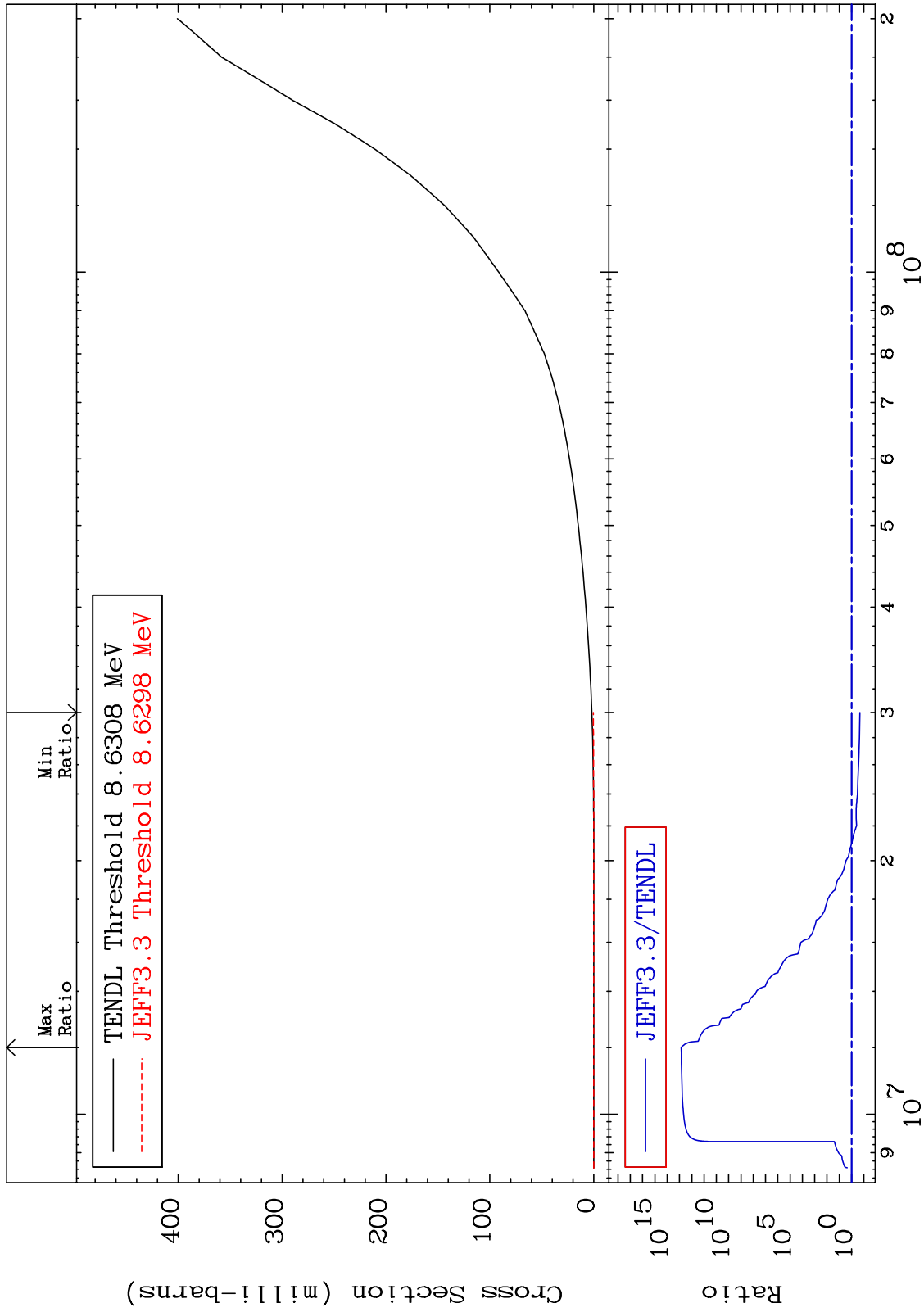
45-Rh-103
-95.94 To 9999. %



50

Incident Energy (eV)

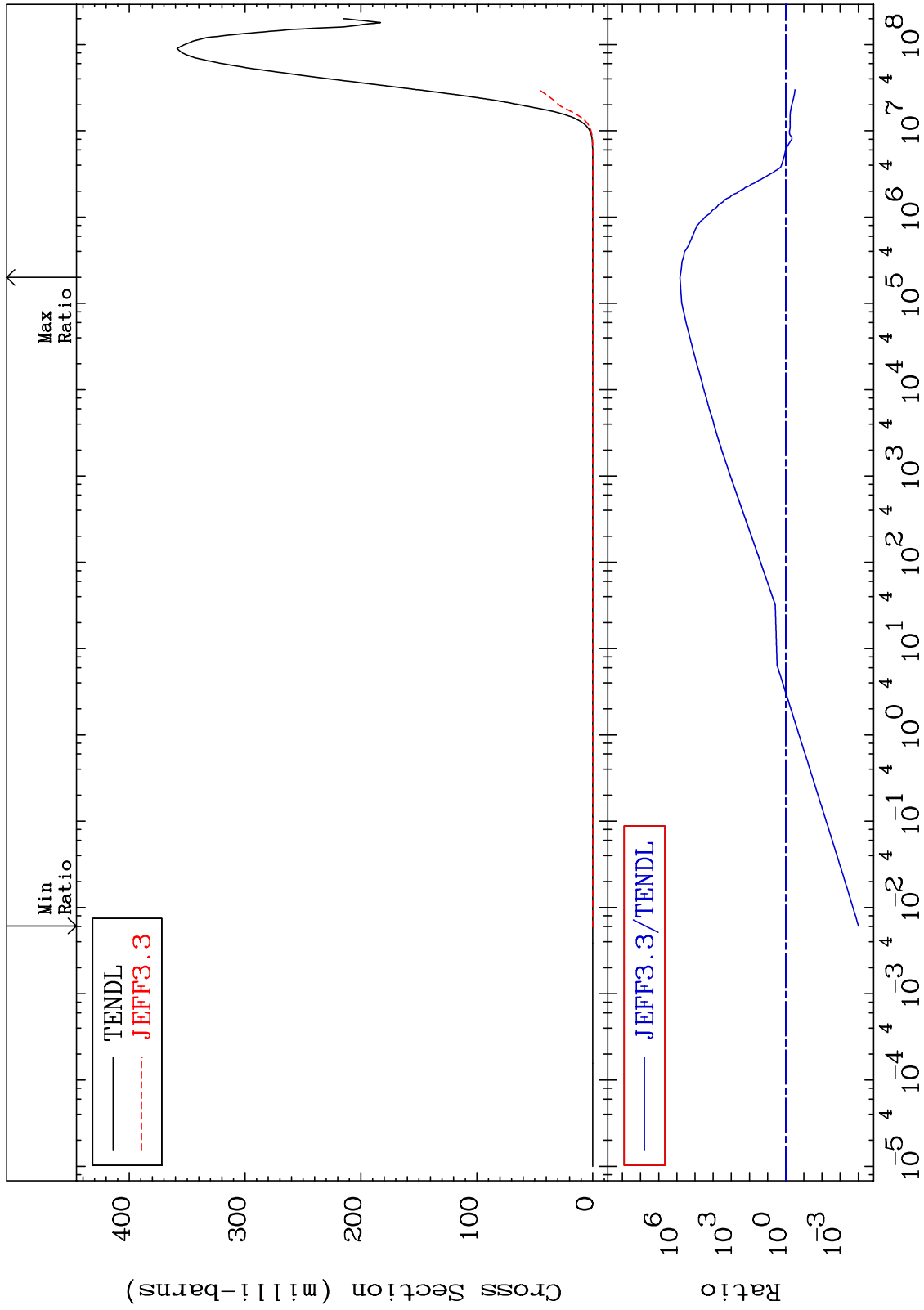
45-Rh-103



MAT 4525

He-4 Production
Cross Section

45-Rh-103
-99.99 To 9999. %



52

Incident Energy (eV)

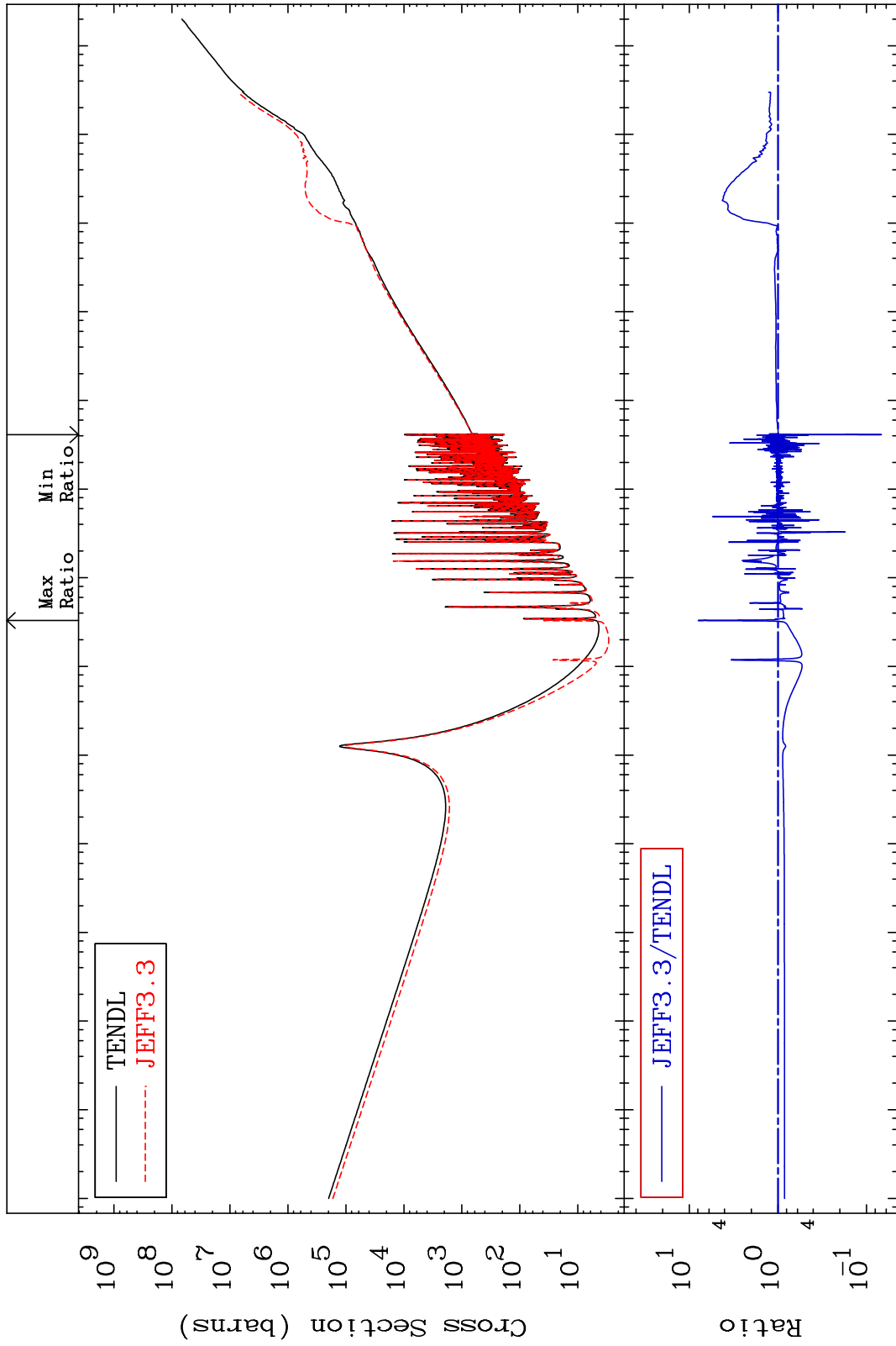
45-Rh-103

MAT 4525

Kerma total (eV-barns)
Cross Section

45-Rh-103

-93.22 To 690.9 %



Incident Energy (eV)

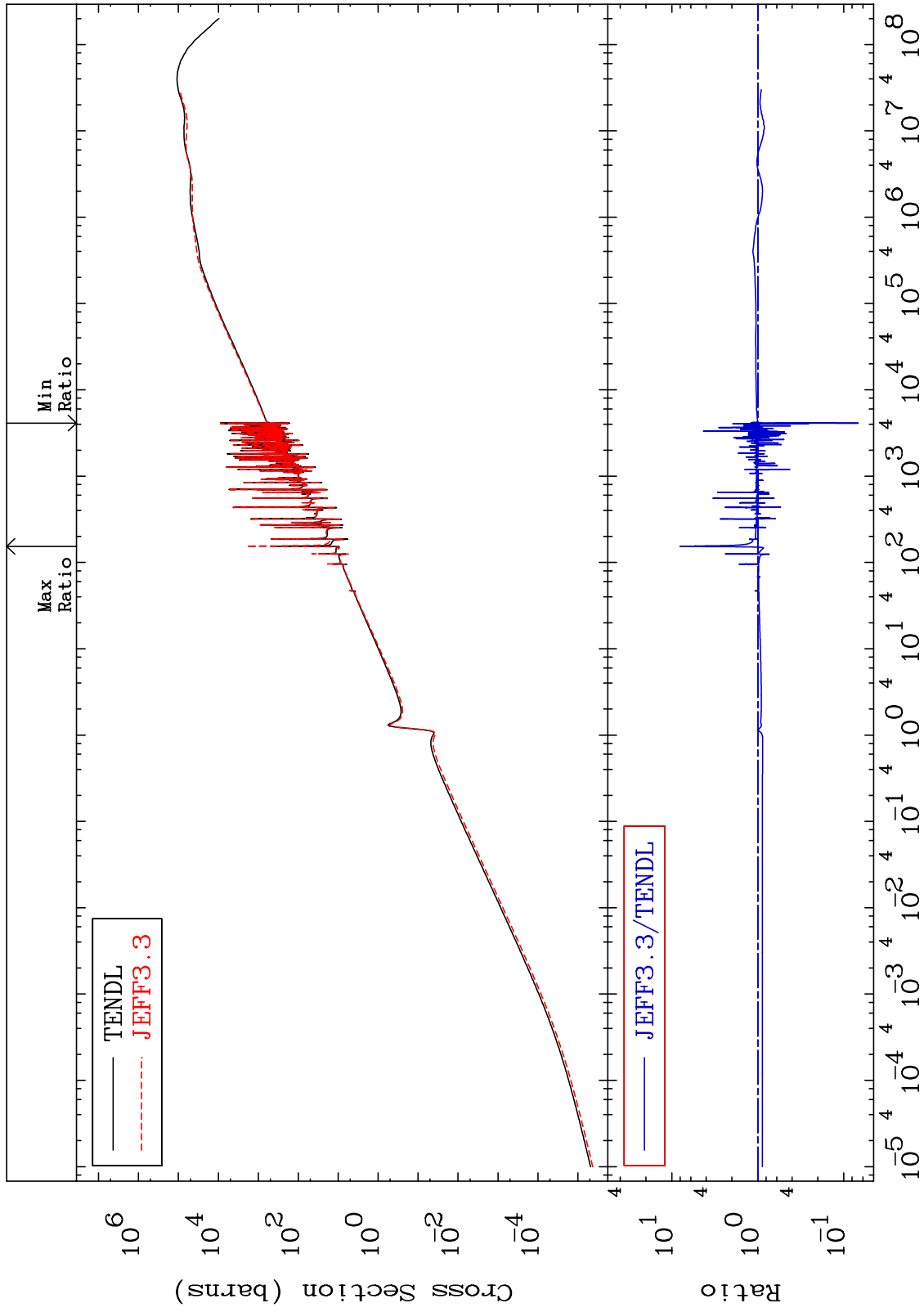
45-Rh-103

53

MAT 4525

Kerma elastic
Cross Section

45-Rh-103
-93.24 To 703.8 %



54

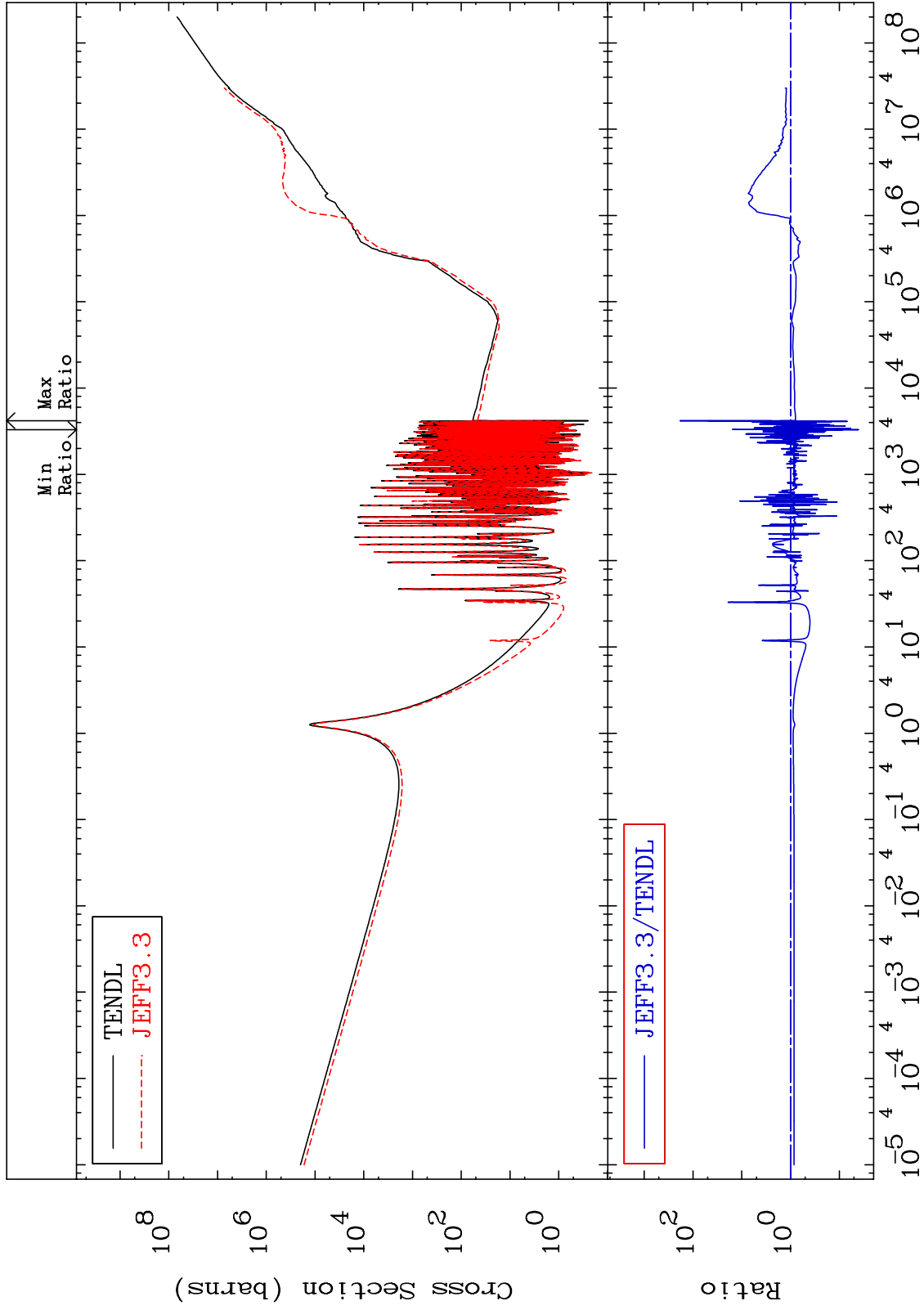
Incident Energy (eV)

45-Rh-103

MAT 4525

Kerma non-elastic (all but mt2)
Cross Section

45-Rh-103
-95.93 To 9999. %



55

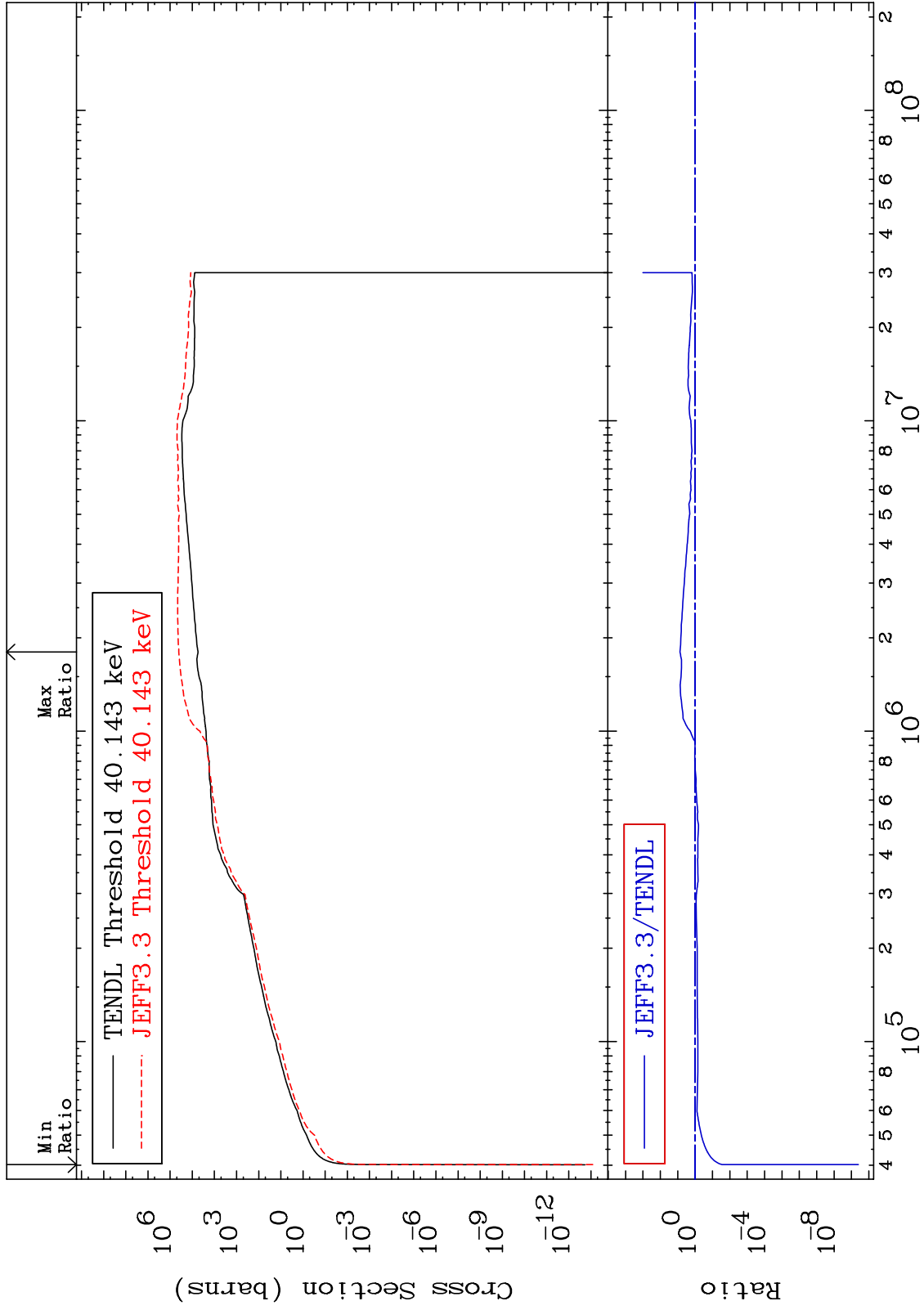
Incident Energy (eV)

45-Rh-103

MAT 4525

Kerma inelastic (mt51-91)
Cross Section

45-Rh-103
-100.0 To 635.6 %



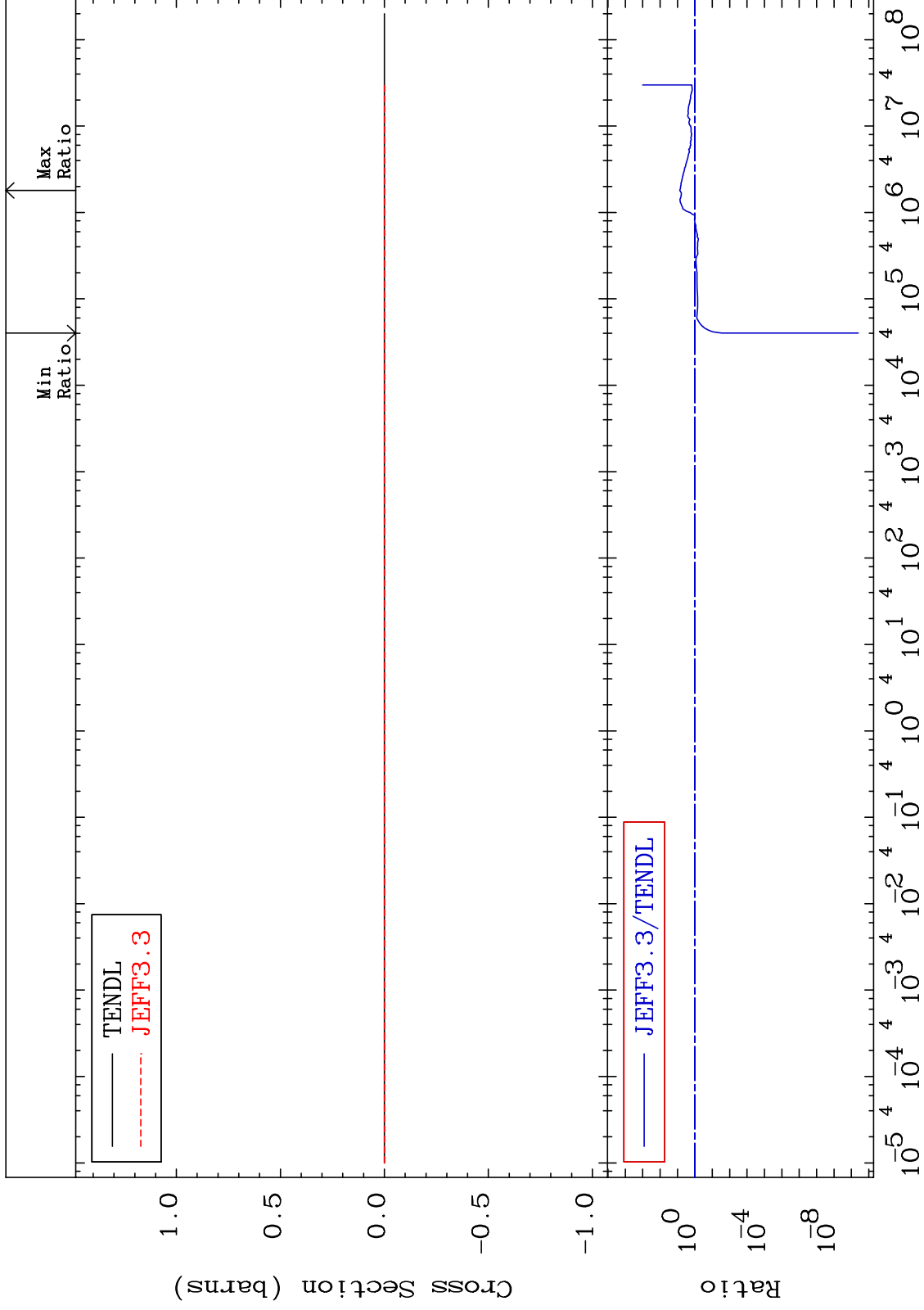
56

45-Rh-103

MAT 4525

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

45-Rh-103
-100.0 To 635.6 %



57

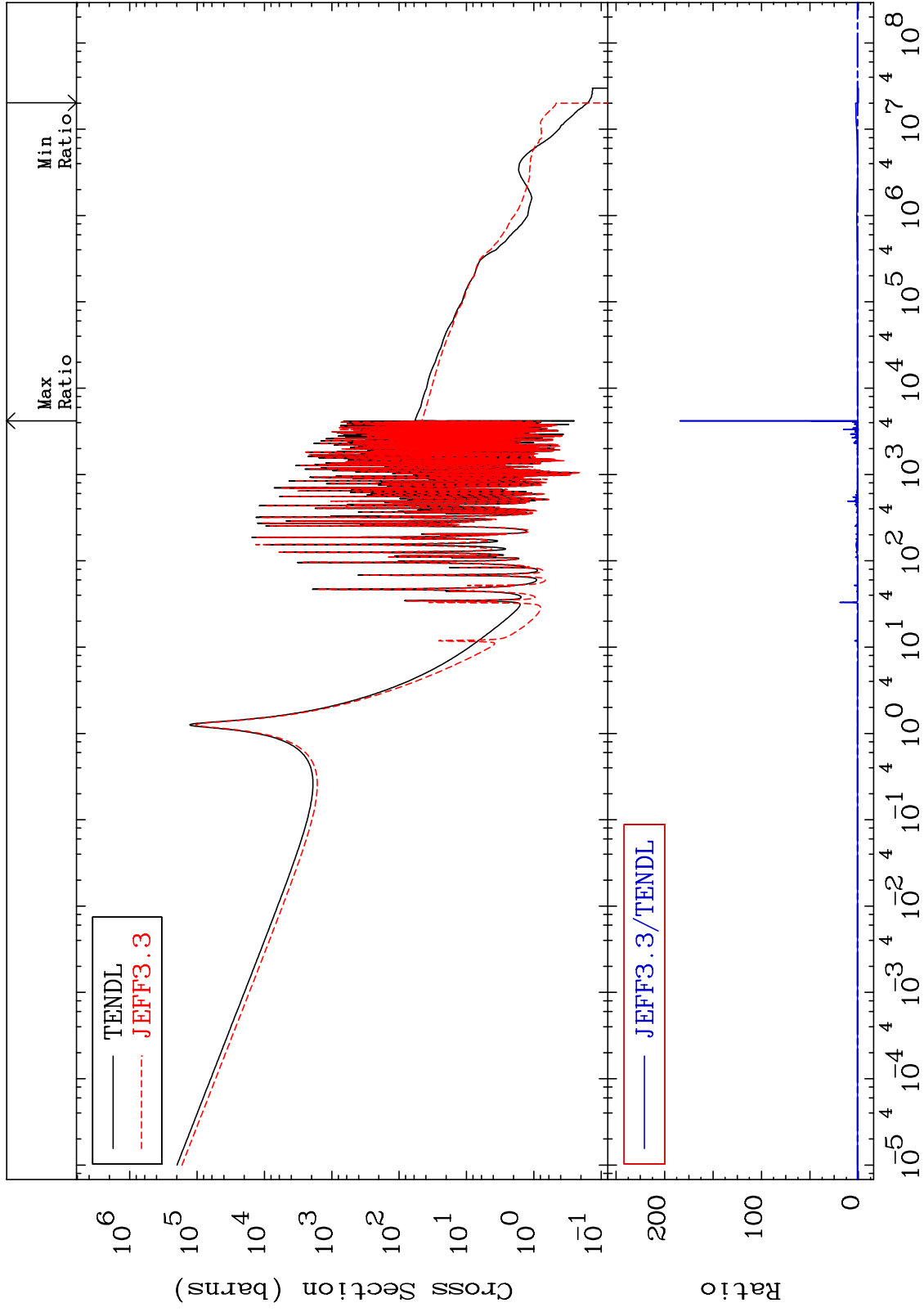
Incident Energy (eV)

45-Rh-103

MAT 4525

Kerma capture (mt102)
Cross Section

45-Rh-103
-100.0 To 9999. %



58

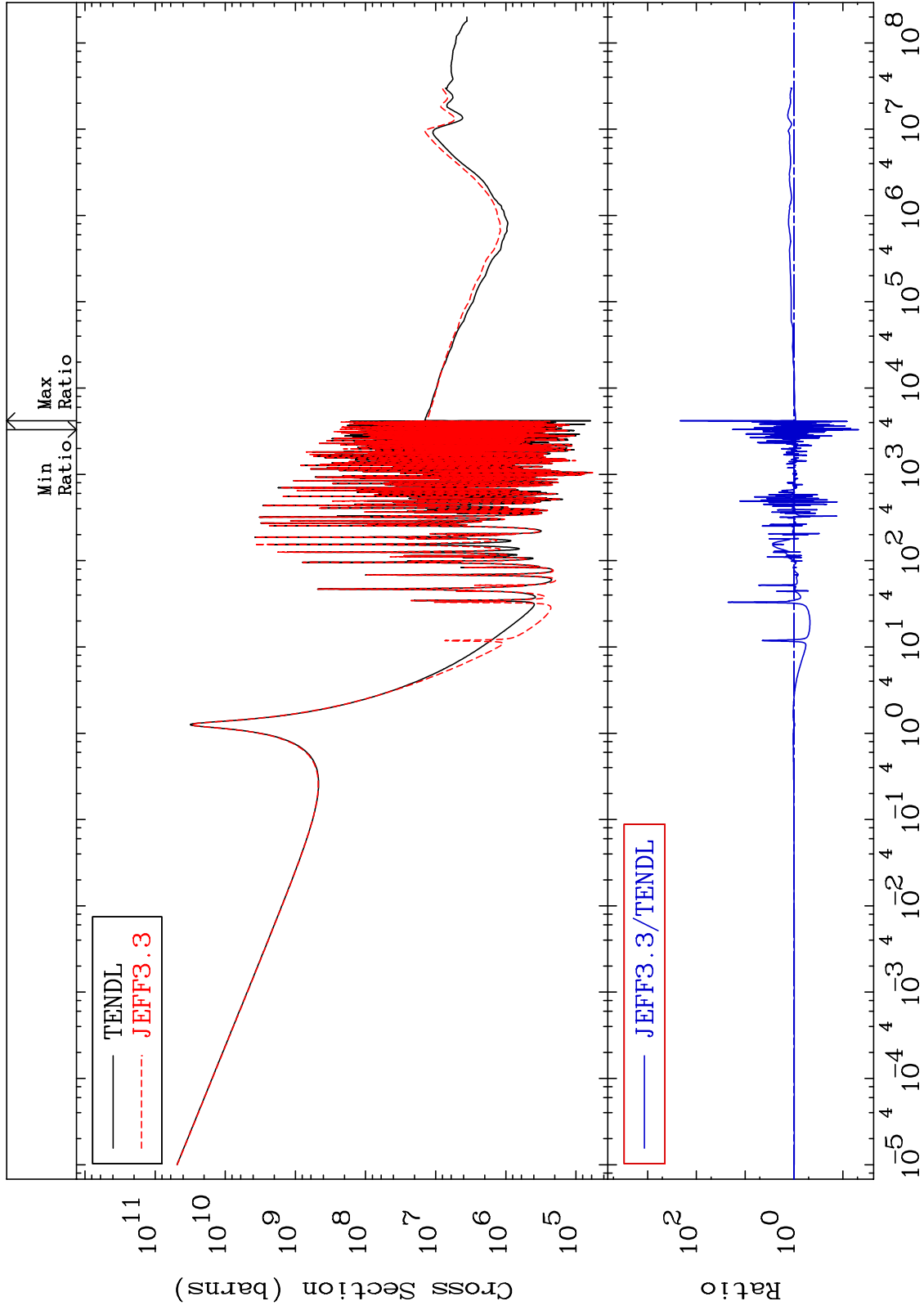
Incident Energy (eV)

45-Rh-103

MAT 4525

Total photon (eV-barns)
Cross Section

45-Rh-103
-95.22 To 9999. %



59

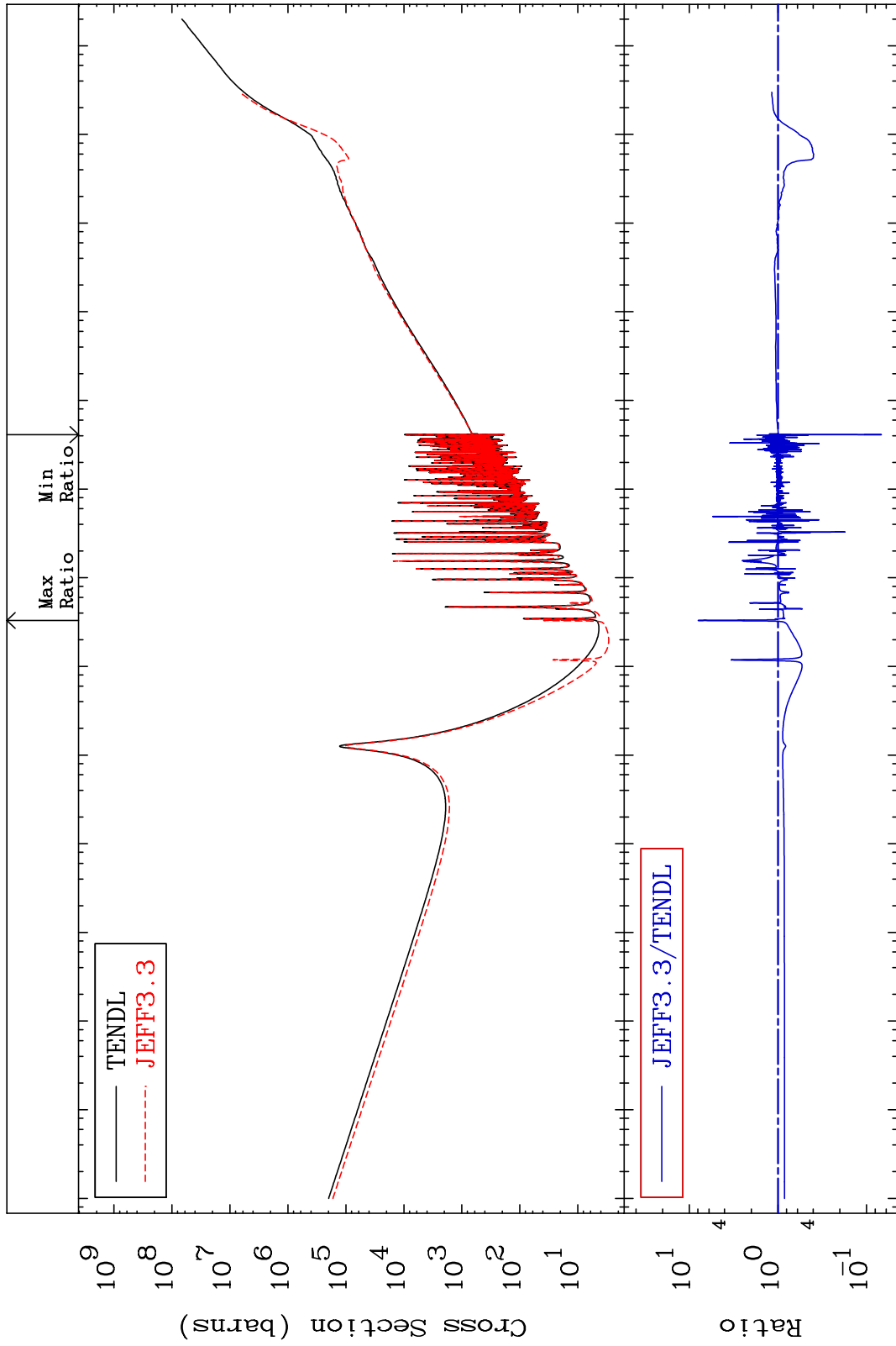
Incident Energy (eV)

45-Rh-103

MAT 4525

Total kinematic kerma (high limit)
Cross Section

45-Rh-103
-93.22 To 690.9 %



60

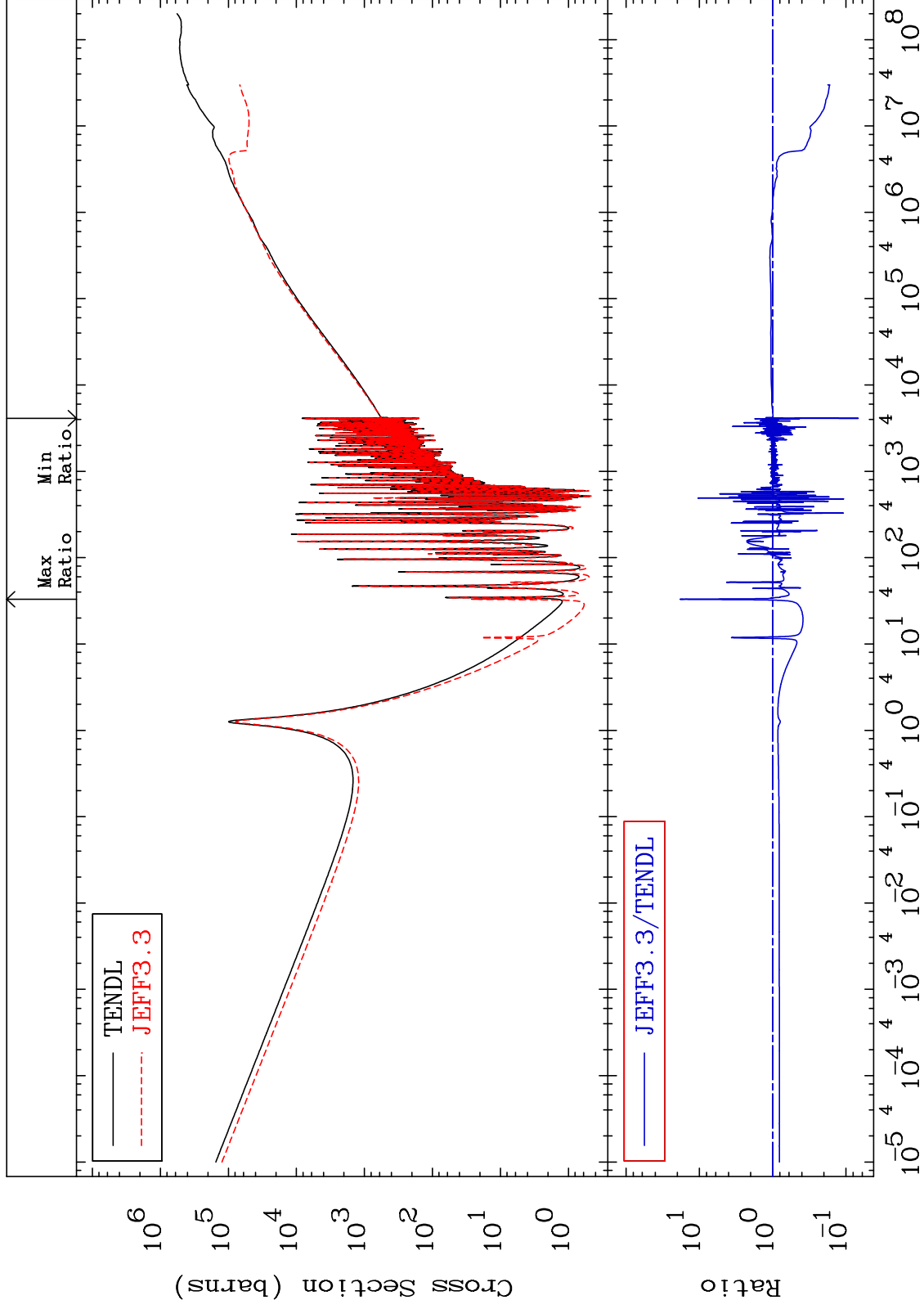
Incident Energy (eV)

45-Rh-103

MAT 4525

Dpa total (eV-barns)
Cross Section

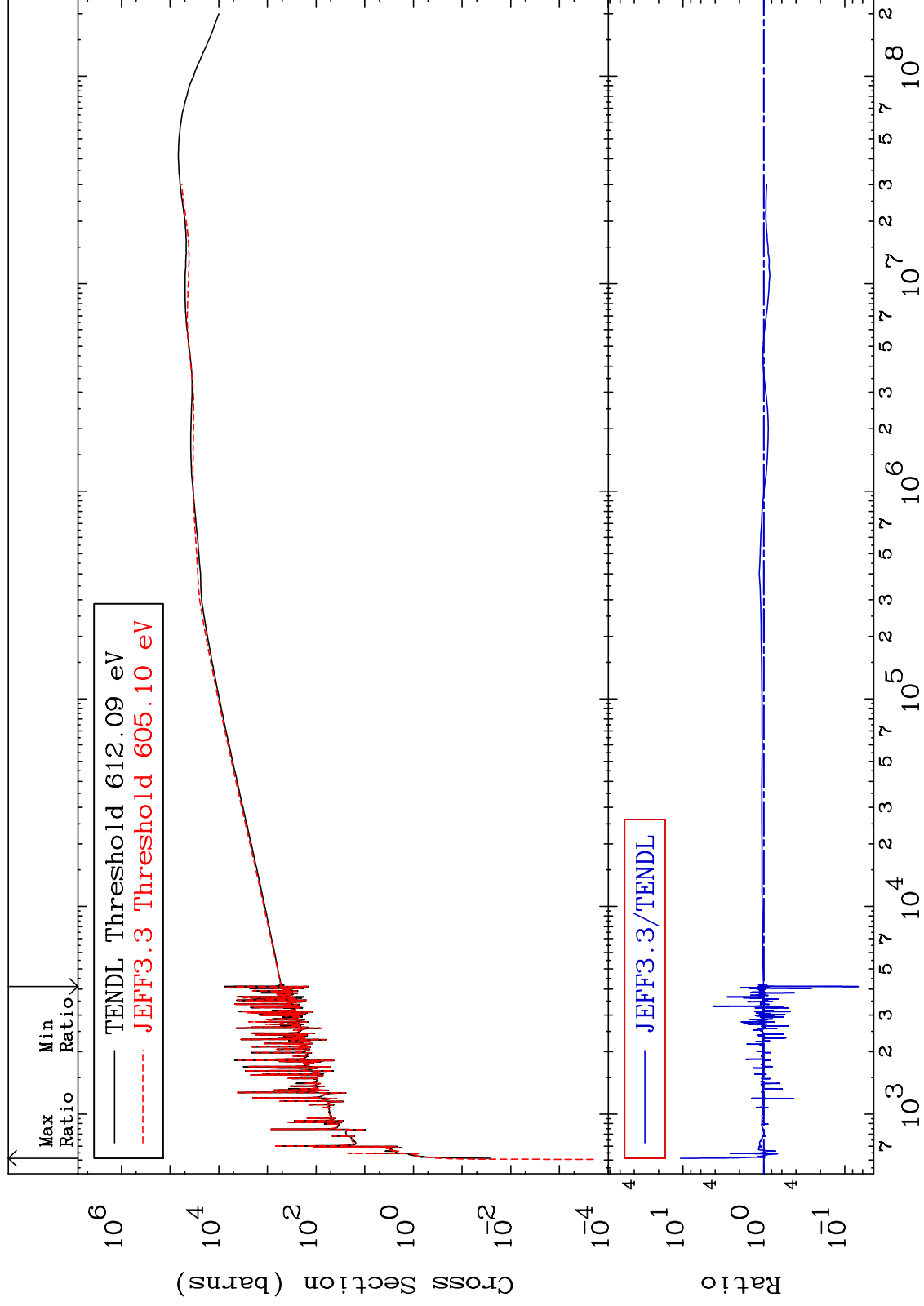
45-Rh-103
-93.24 To 1736. %



MAT 4525

Dpa elastic (mt2)
Cross Section

45-Rh-103
-93.24 To 973.6 %



62

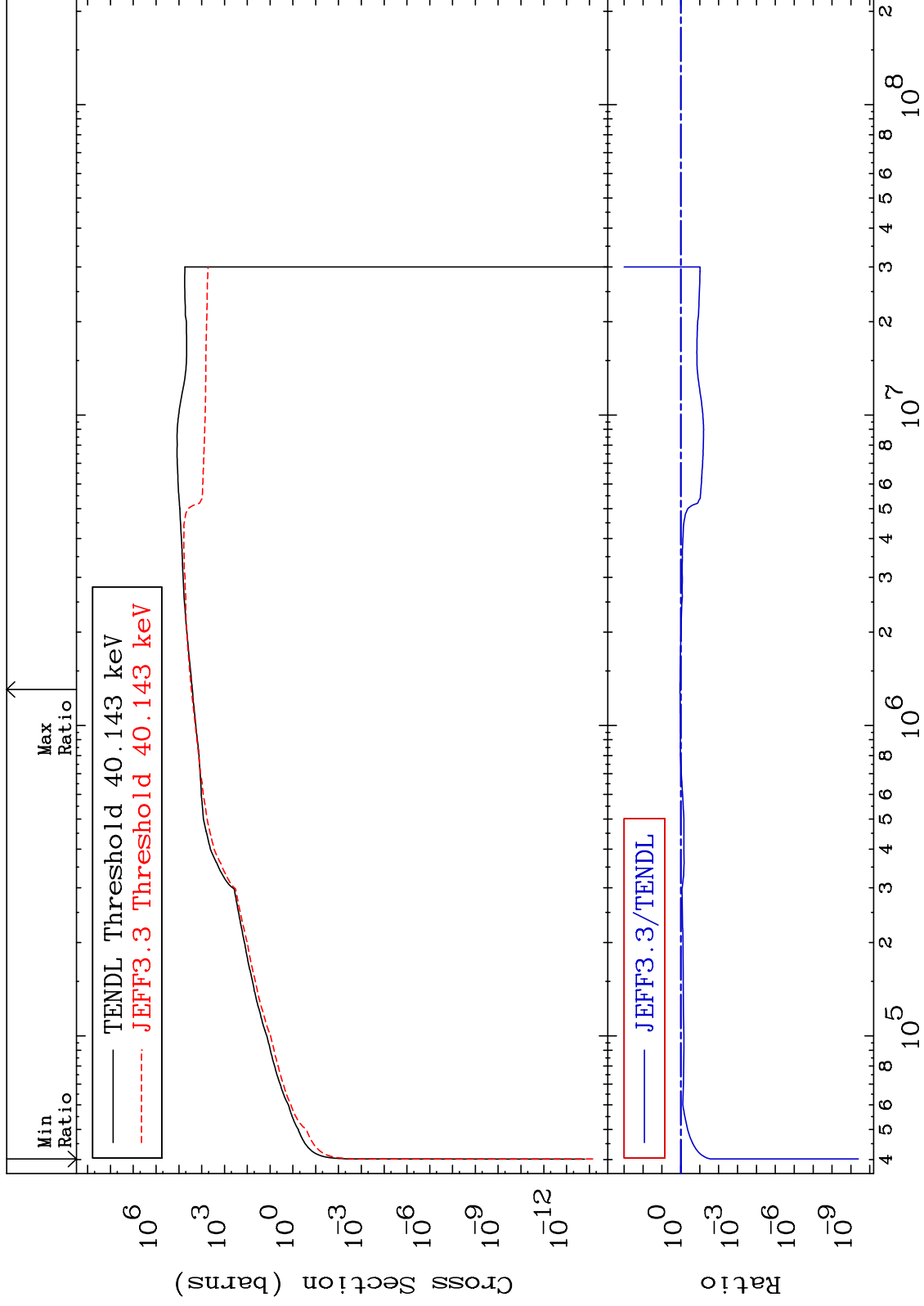
Incident Energy (eV)

45-Rh-103

MAT 4525

Dpa inelastic (mt51-91)
Cross Section

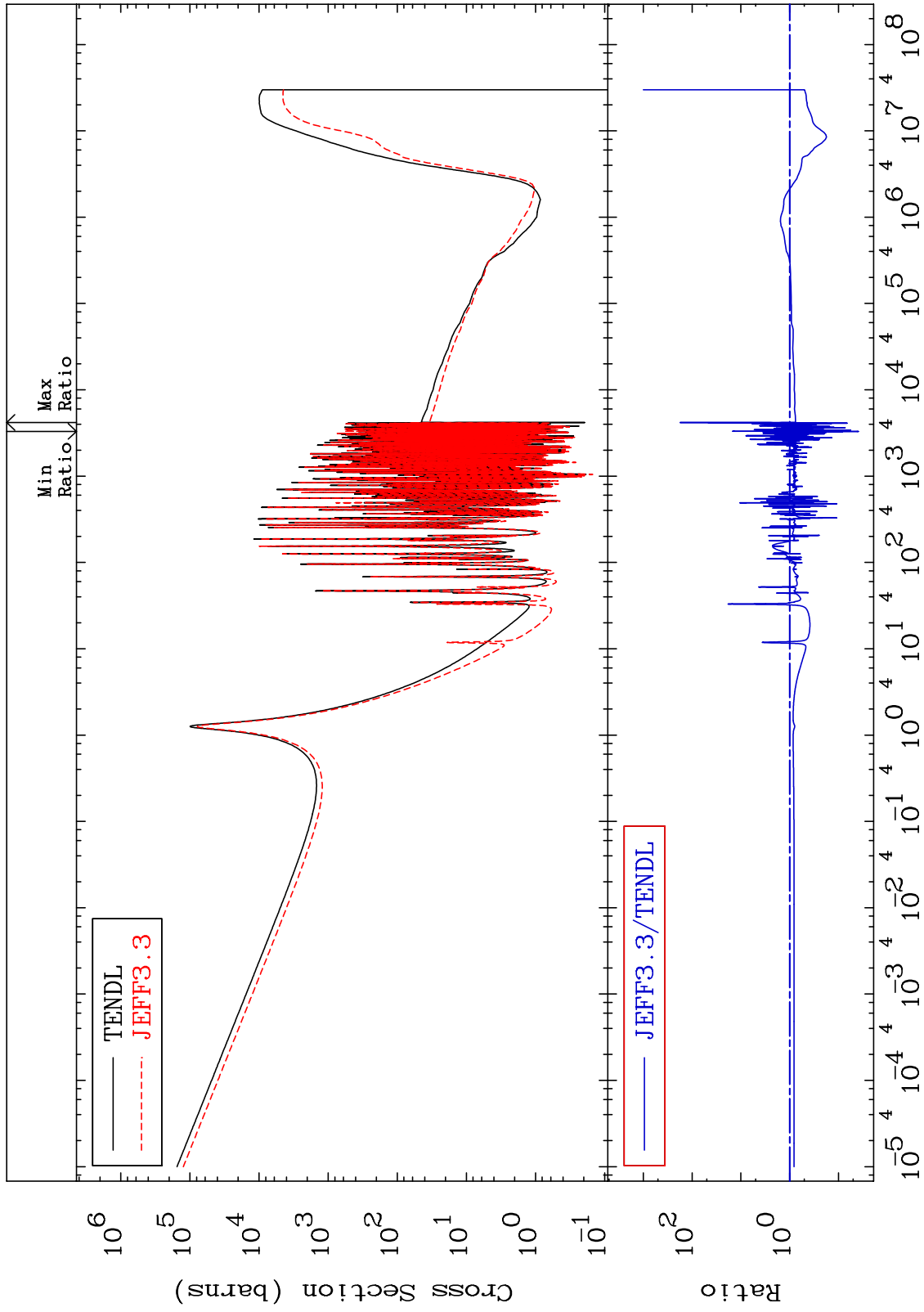
45-Rh-103
-100.0 To 10.38 %



MAT 4525

Dpa disappearance (mt102 -120)
Cross Section

45-Rh-103
-96.10 To 9999. %

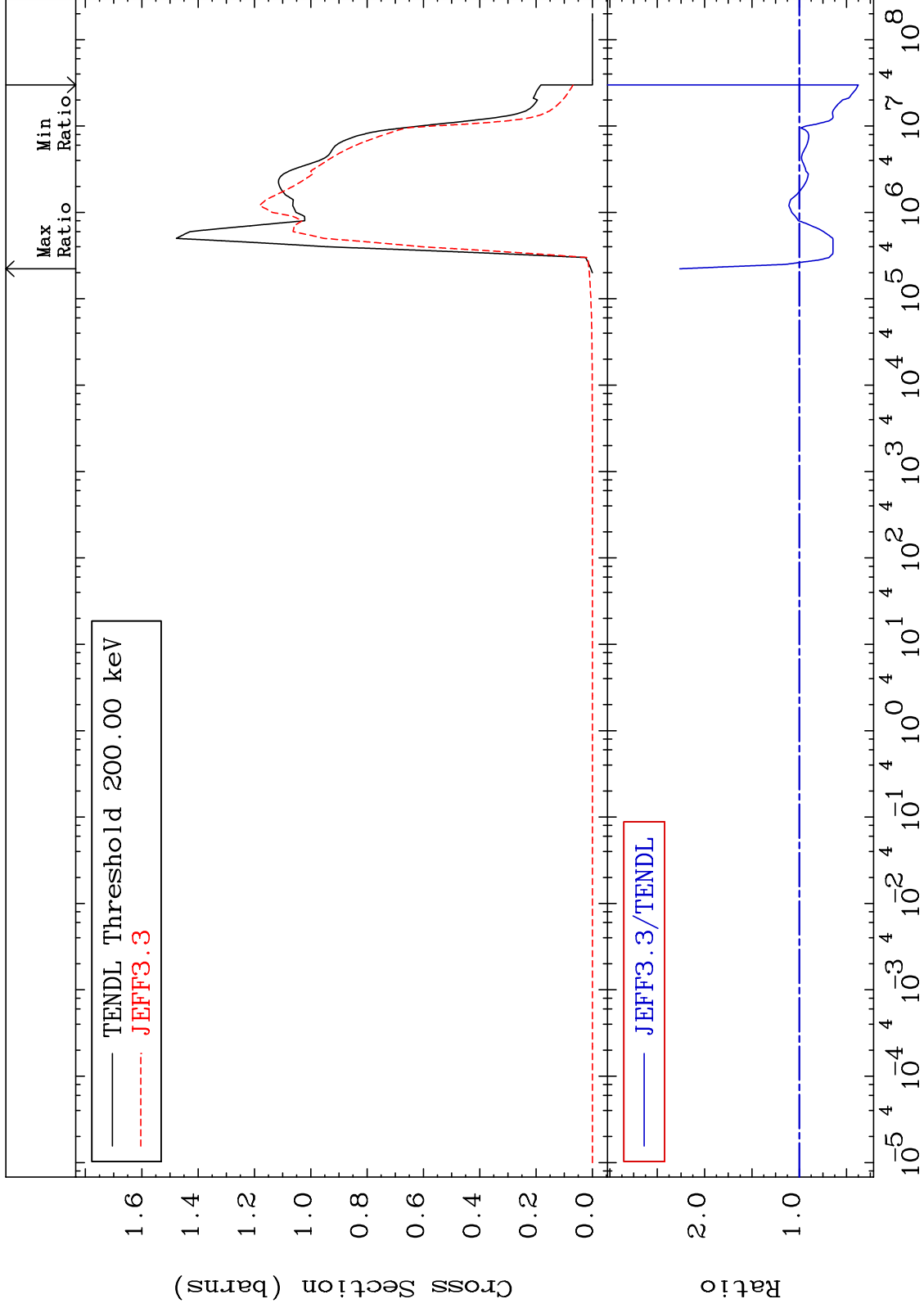


MAT 4525

Inelastic: 45-Rh-103g

45-Rh-103

Radionuclide Production Cross Section -62.44 To 126.2 %



65

Incident Energy (eV)

45-Rh-103

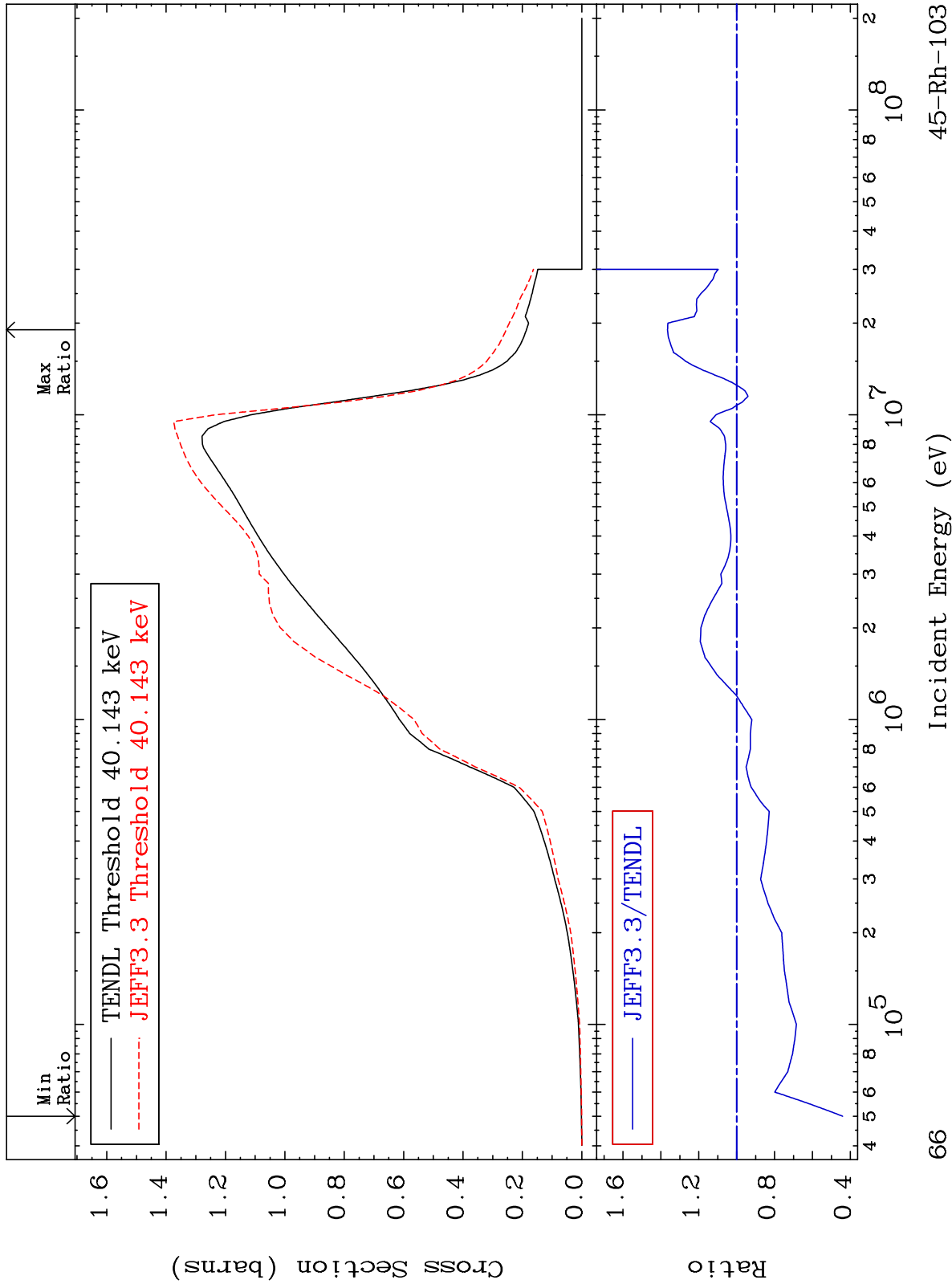
MAT 4525

Inelastic: 45-Rh-103m1

45-Rh-103

Radionuclide Production Cross Section

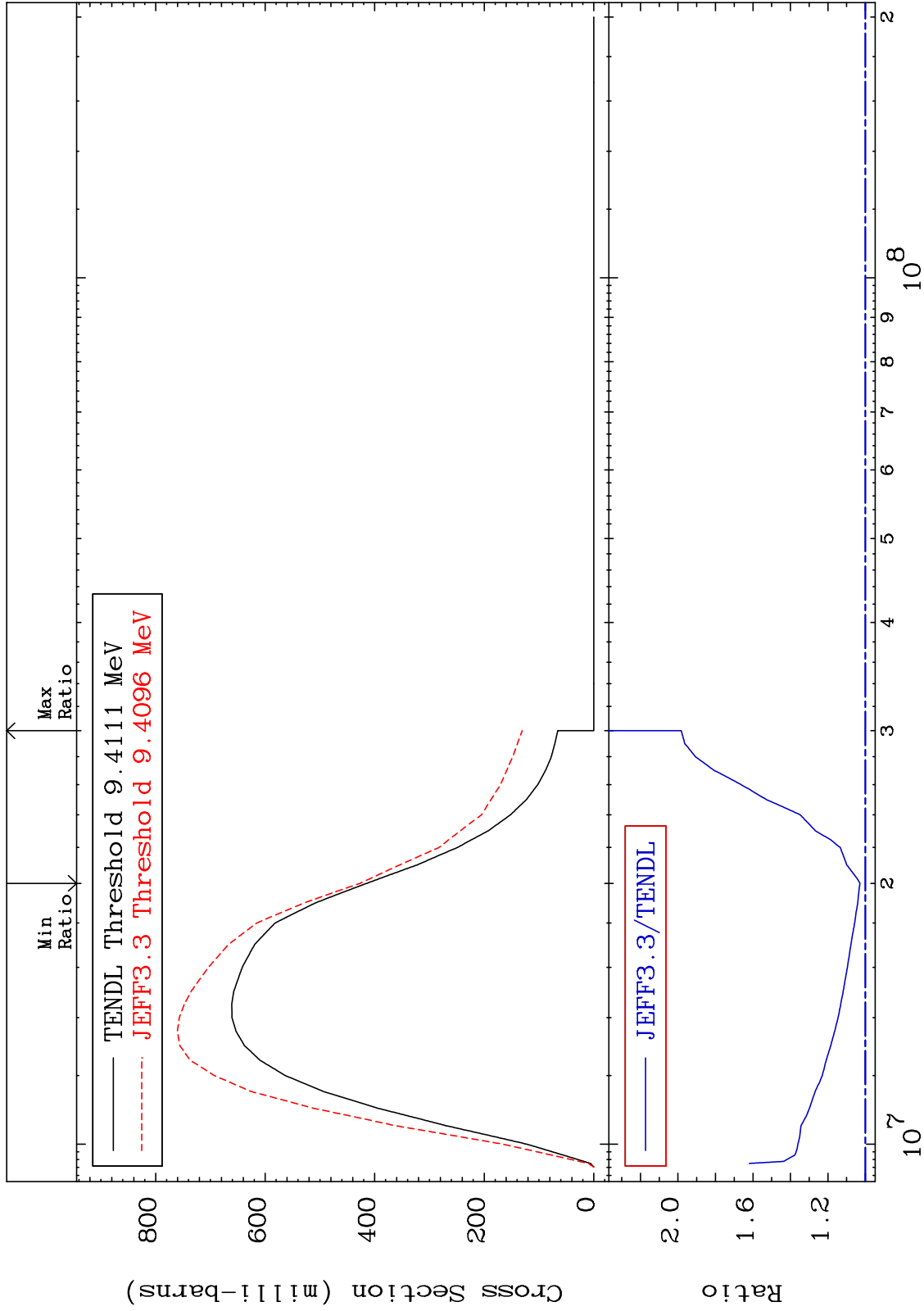
-55.93 To 36.47 %



MAT 4525

45-Rh-103

(n,2n) : 45-Rh-102g
Radionuclide Production Cross Section 2.902 To 98.27 %



45-Rh-103

Incident Energy (eV)

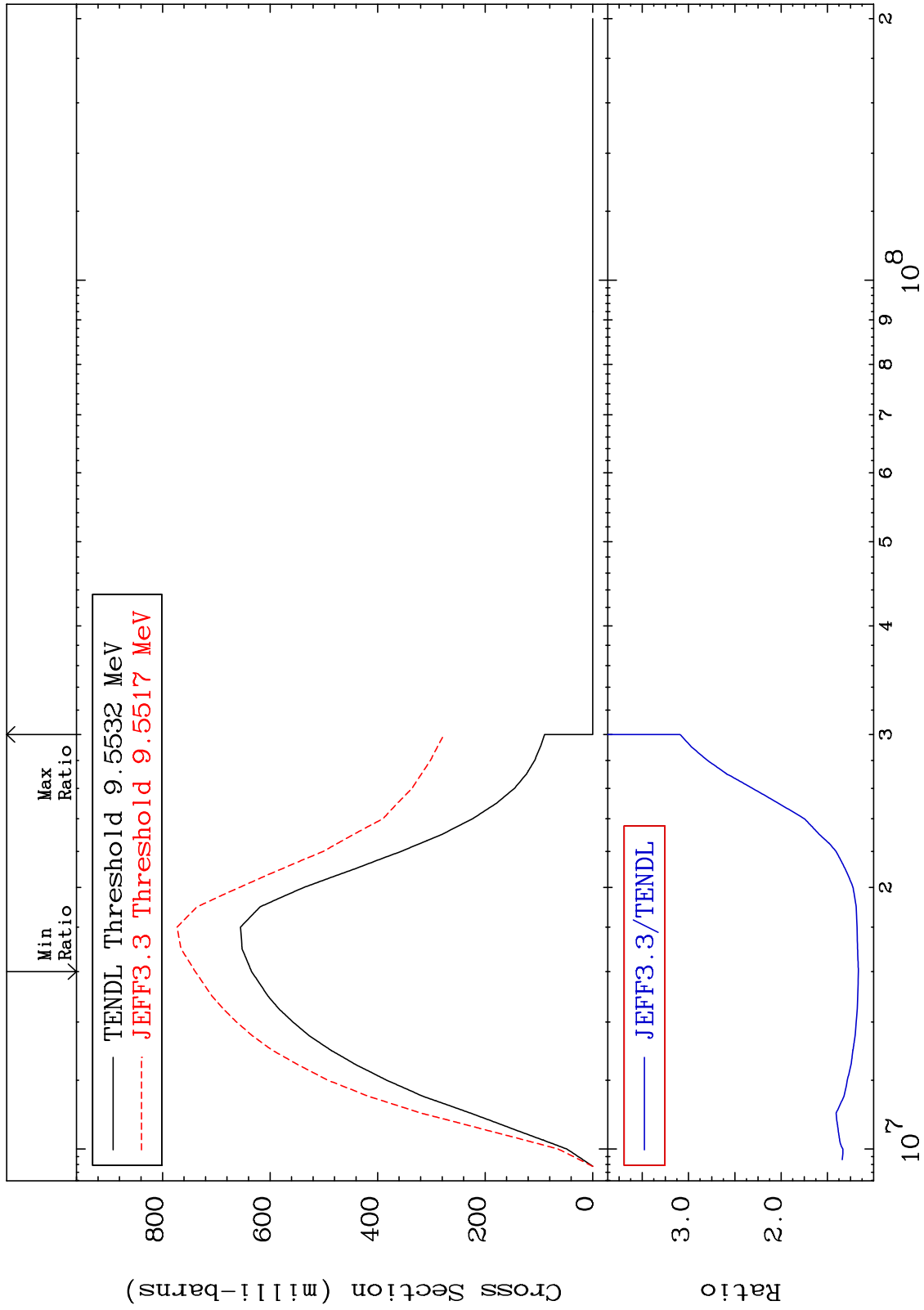
67

MAT 4525

(n, 2n) : 45-Rh-102m5

45-Rh-103

Radionuclide Production Cross Section 16.51 To 209.2 %



68

Incident Energy (eV)

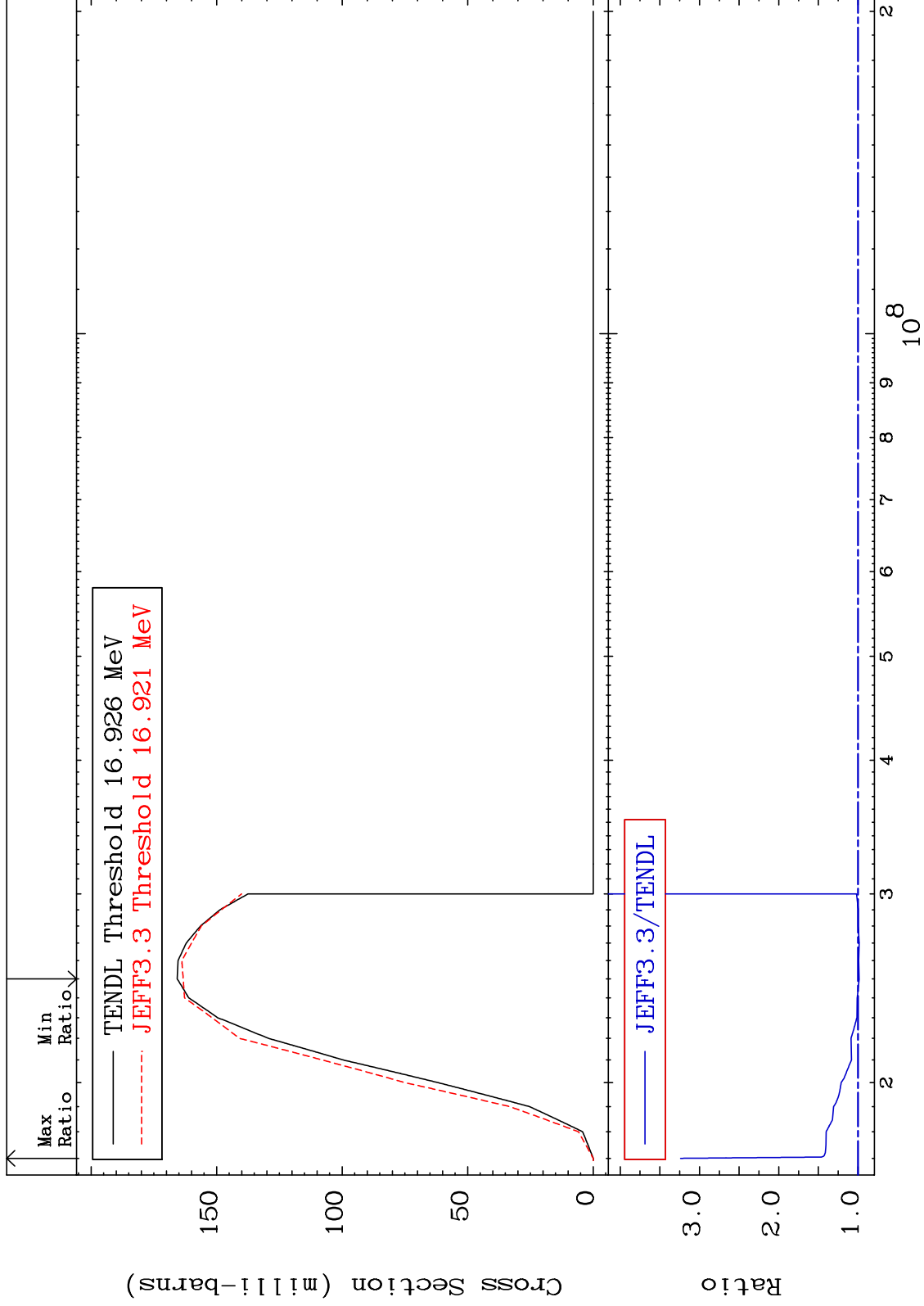
45-Rh-103

MAT 4525

(n,3n):45-Rh-101g

45-Rh-103

Radionuclide Production Cross Section -1.437 To 223.8 %

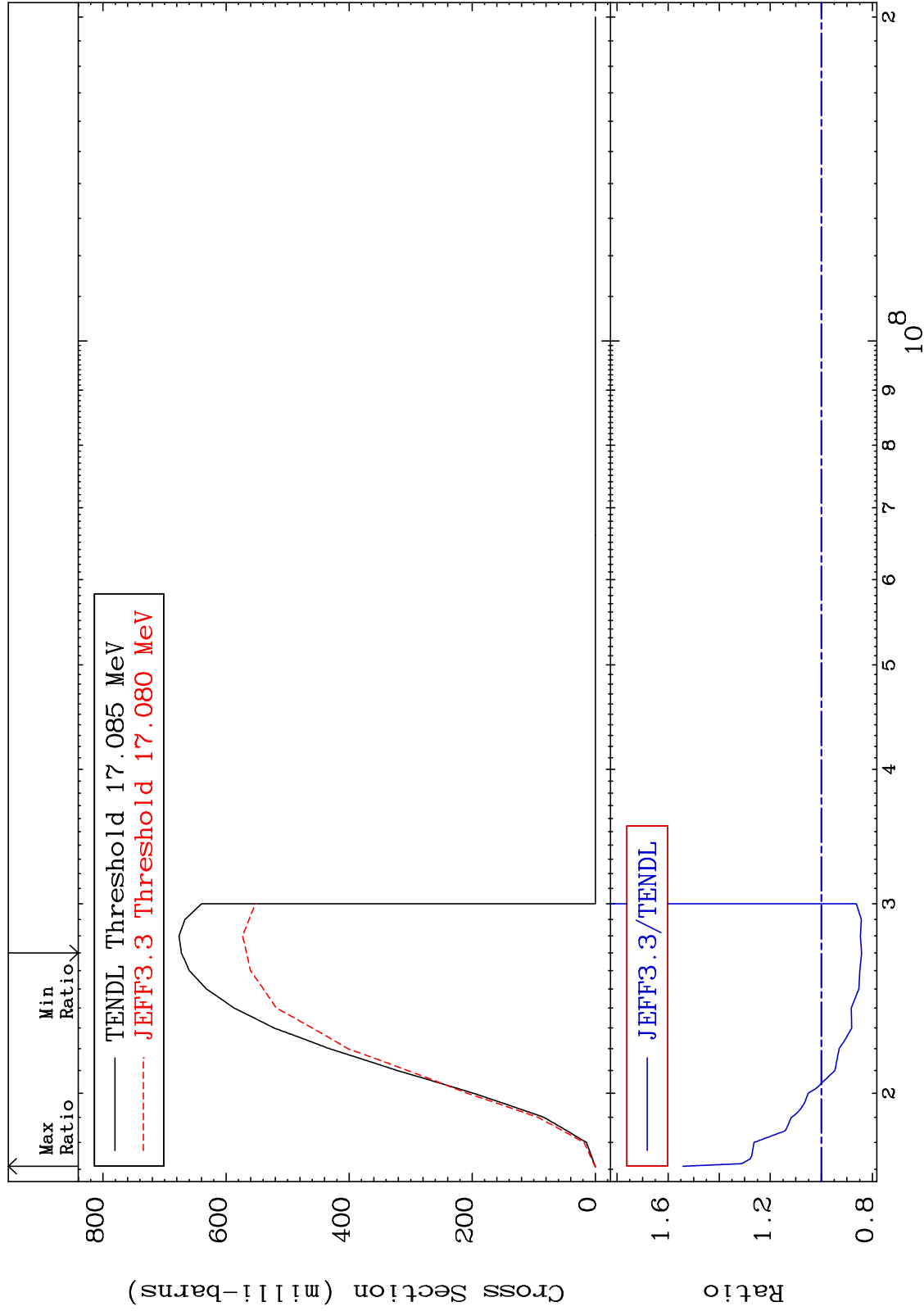


MAT 4525

(n, 3n) : 45-Rh-101m1

45-Rh-103

Radionuclide Production Cross Section -15.73 To 54.21 %



70

Incident Energy (eV)

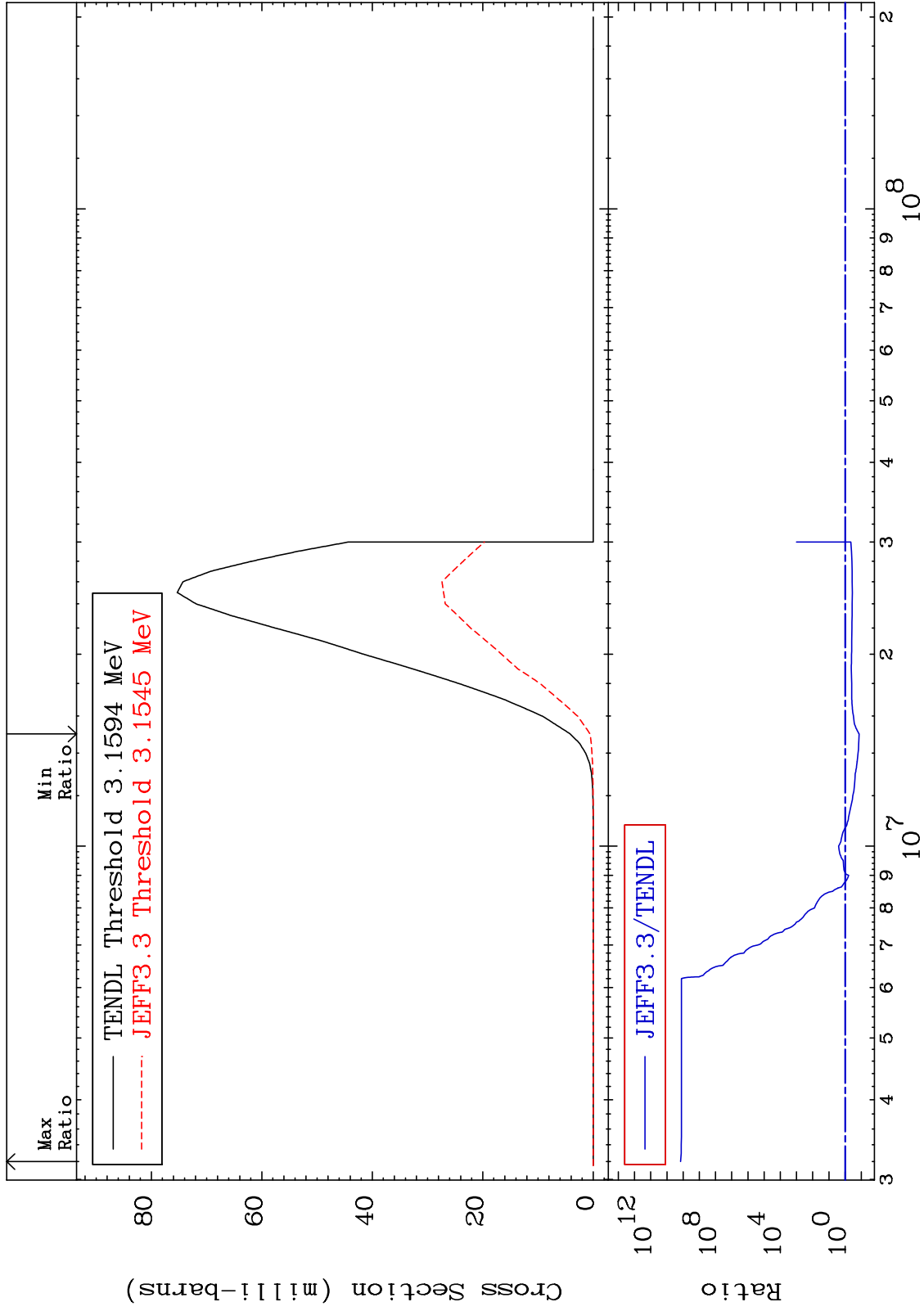
45-Rh-103

MAT 4525

(n, n') α : 43-Tc-99g

45-Rh-103

Radionuclide Production Cross Section -86.43 To 9999. %



45-Rh-103

Incident Energy (eV)

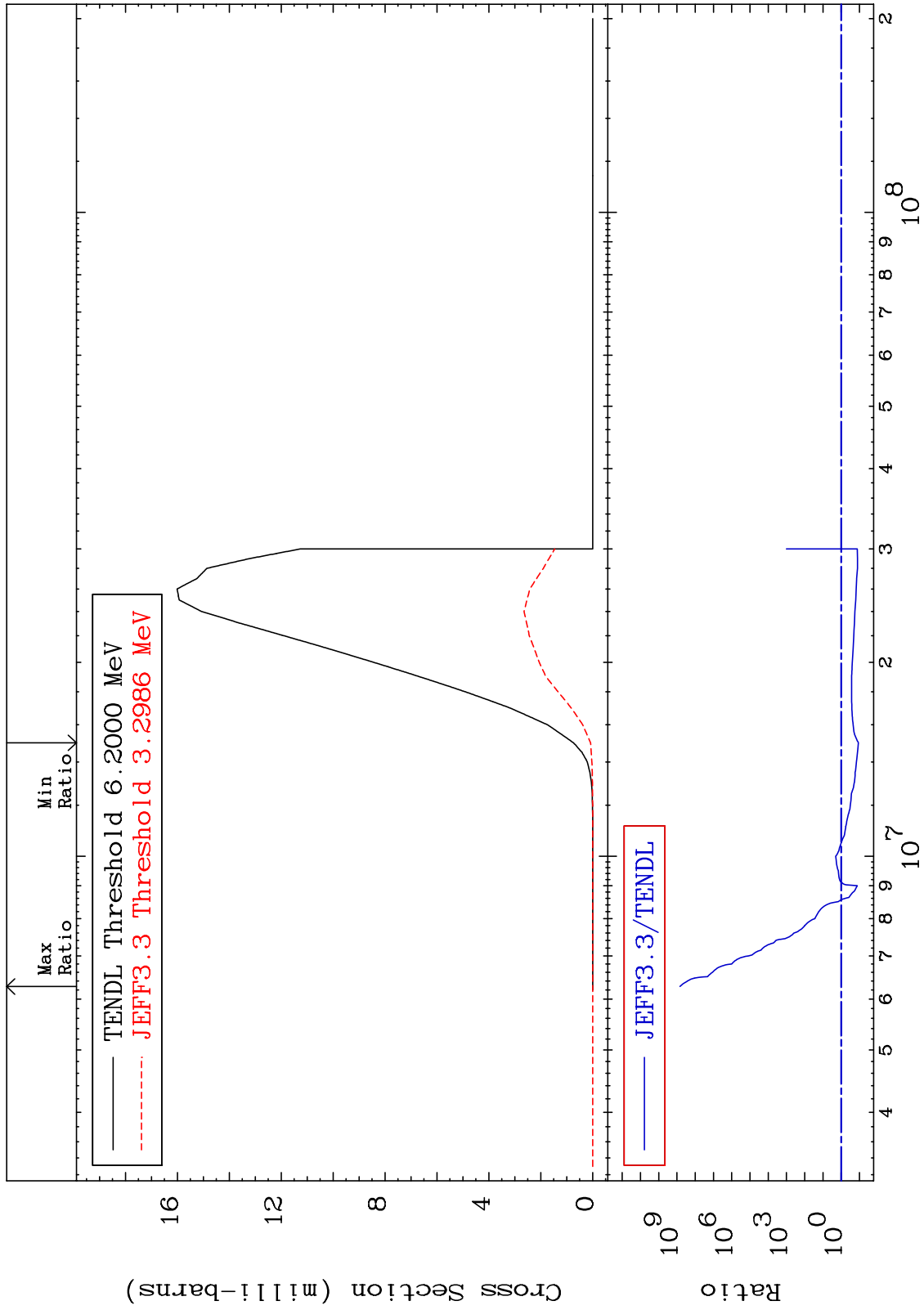
71

MAT 4525

(n, n') α :43-Tc-99m2

45-Rh-103

Radionuclide Production Cross Section -88.63 To 9999. %



45-Rh-103

Incident Energy (eV)

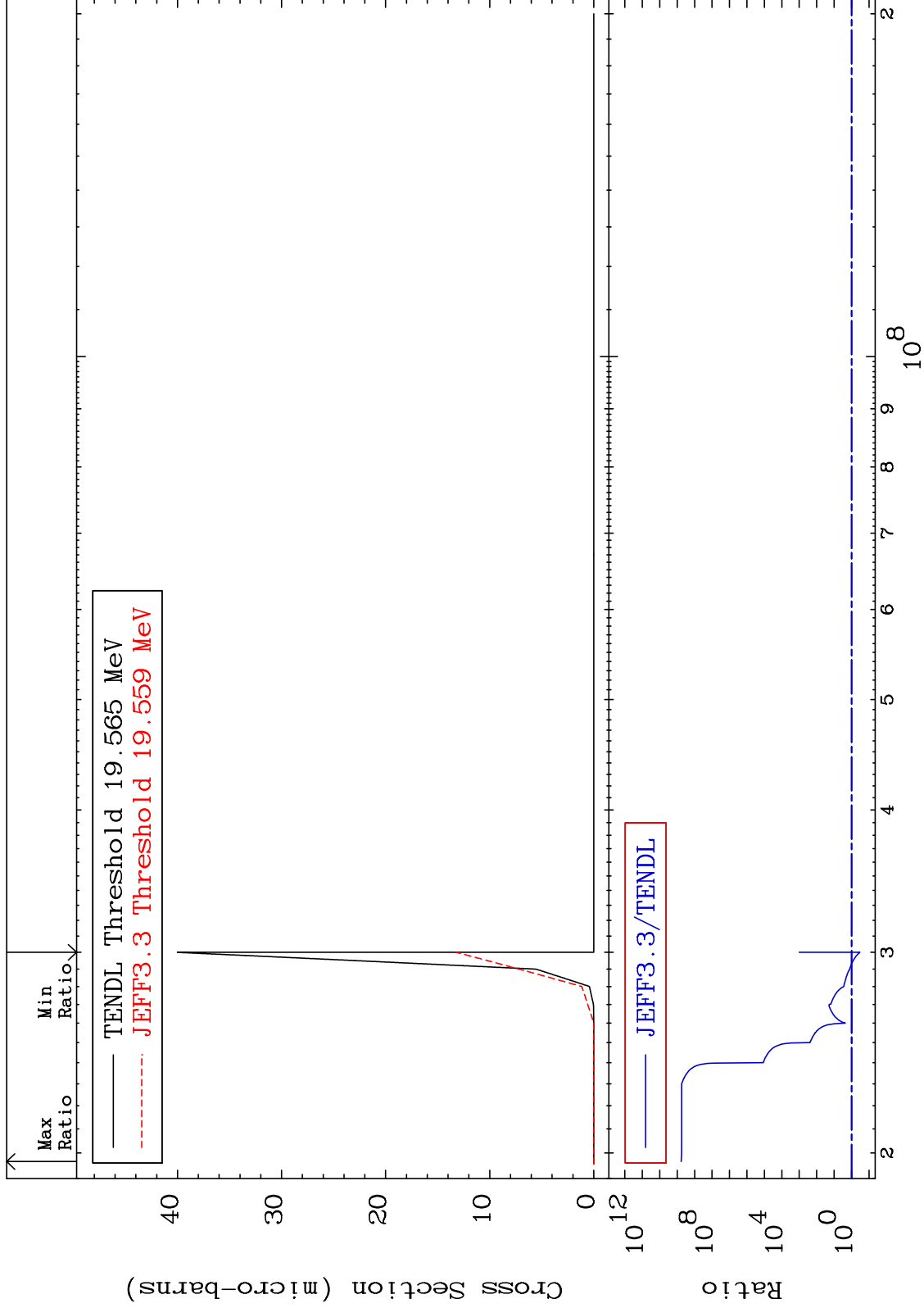
72

MAT 4525

(n,3n) α : 43-Tc-97g

45-Rh-103

Radionuclide Production Cross Section -67.02 To 9999. %



73

Incident Energy (eV)

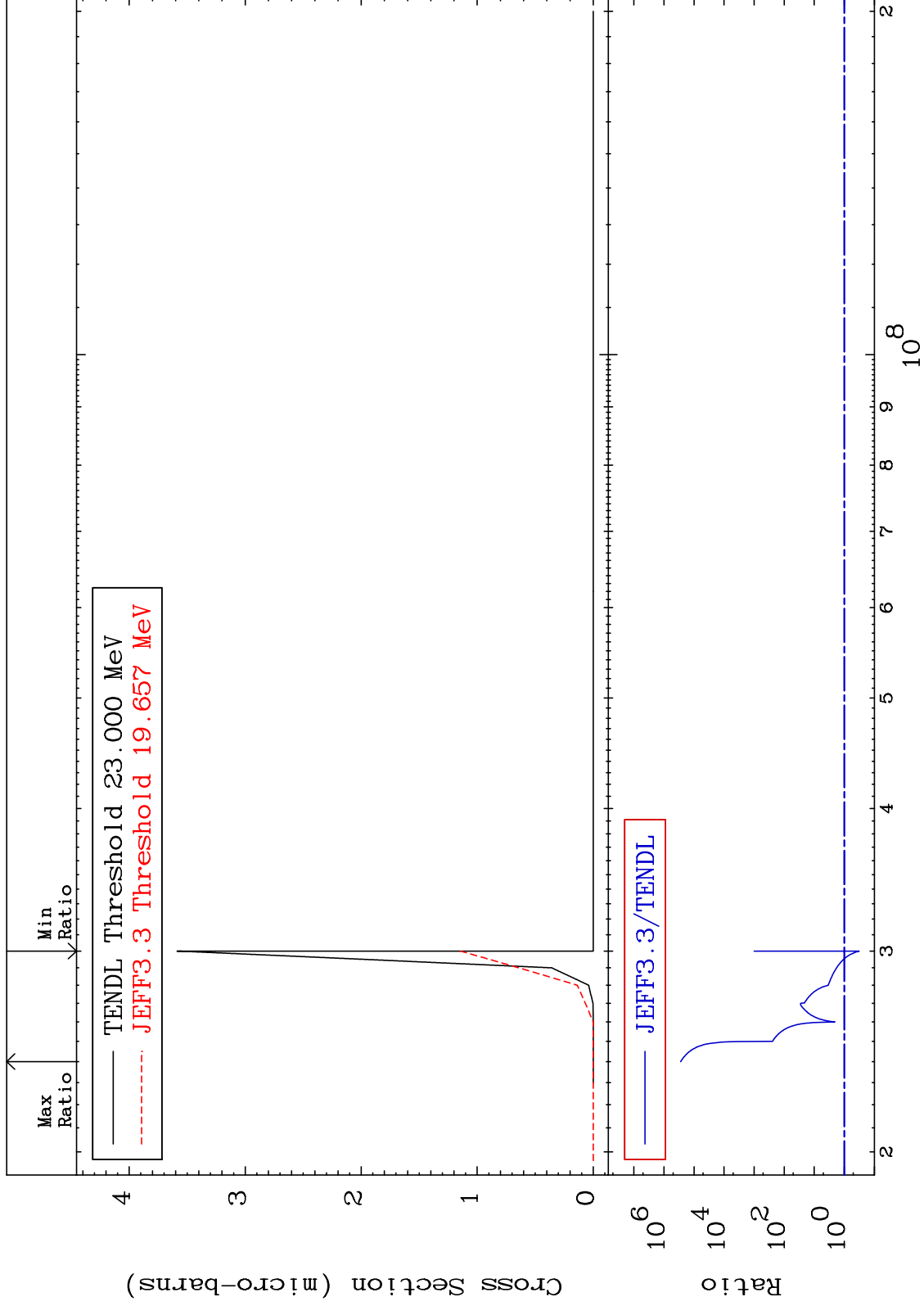
45-Rh-103

MAT 4525

(n,3n) α :43-Tc-97m1

45-Rh-103

Radionuclide Production Cross Section -68.04 To 9999. %

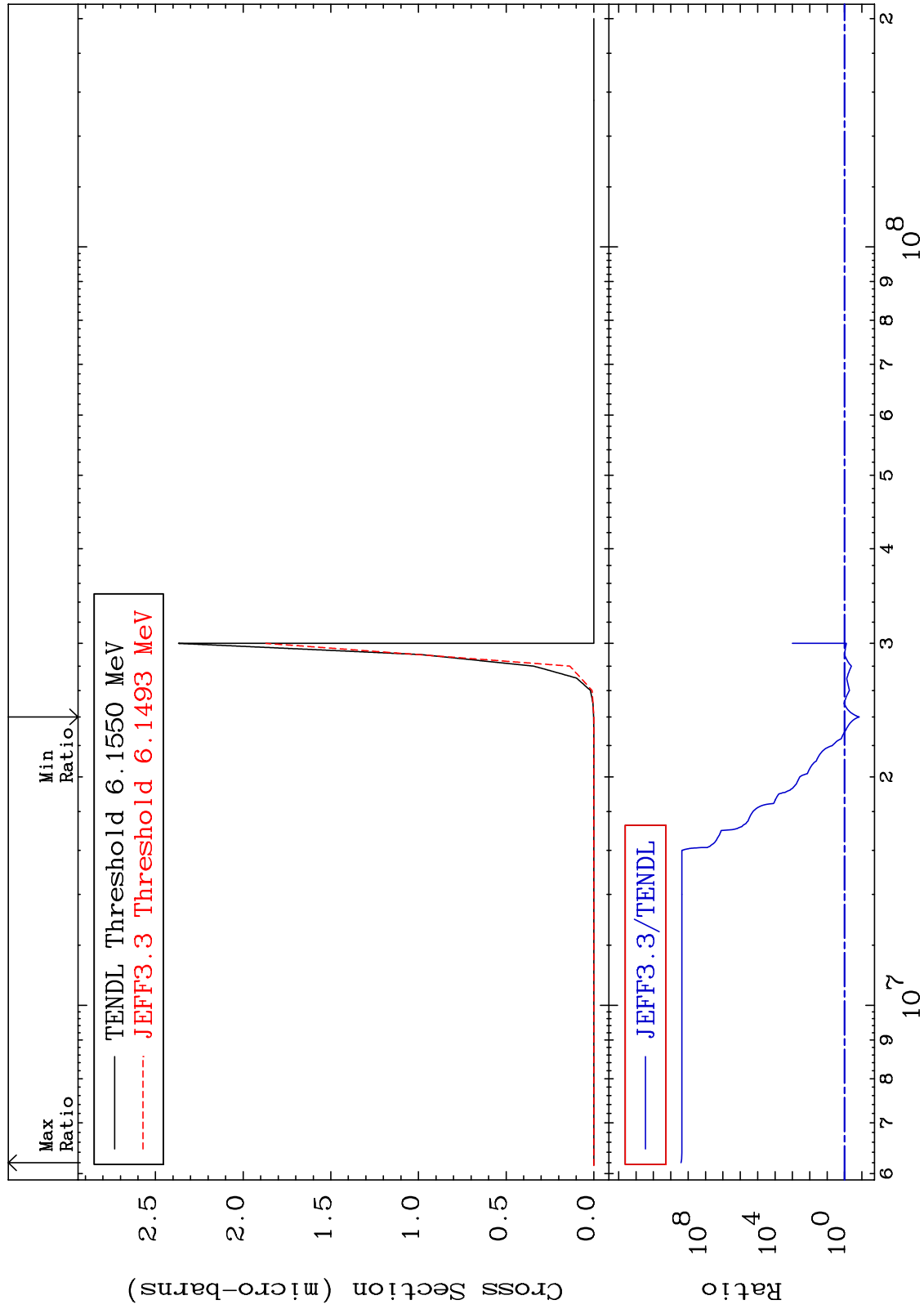


MAT 4525

(n, n') 2α: 41-Nb-95g

45-Rh-103

Radionuclide Production Cross Section -85.85 To 9999. %



75

Incident Energy (eV)

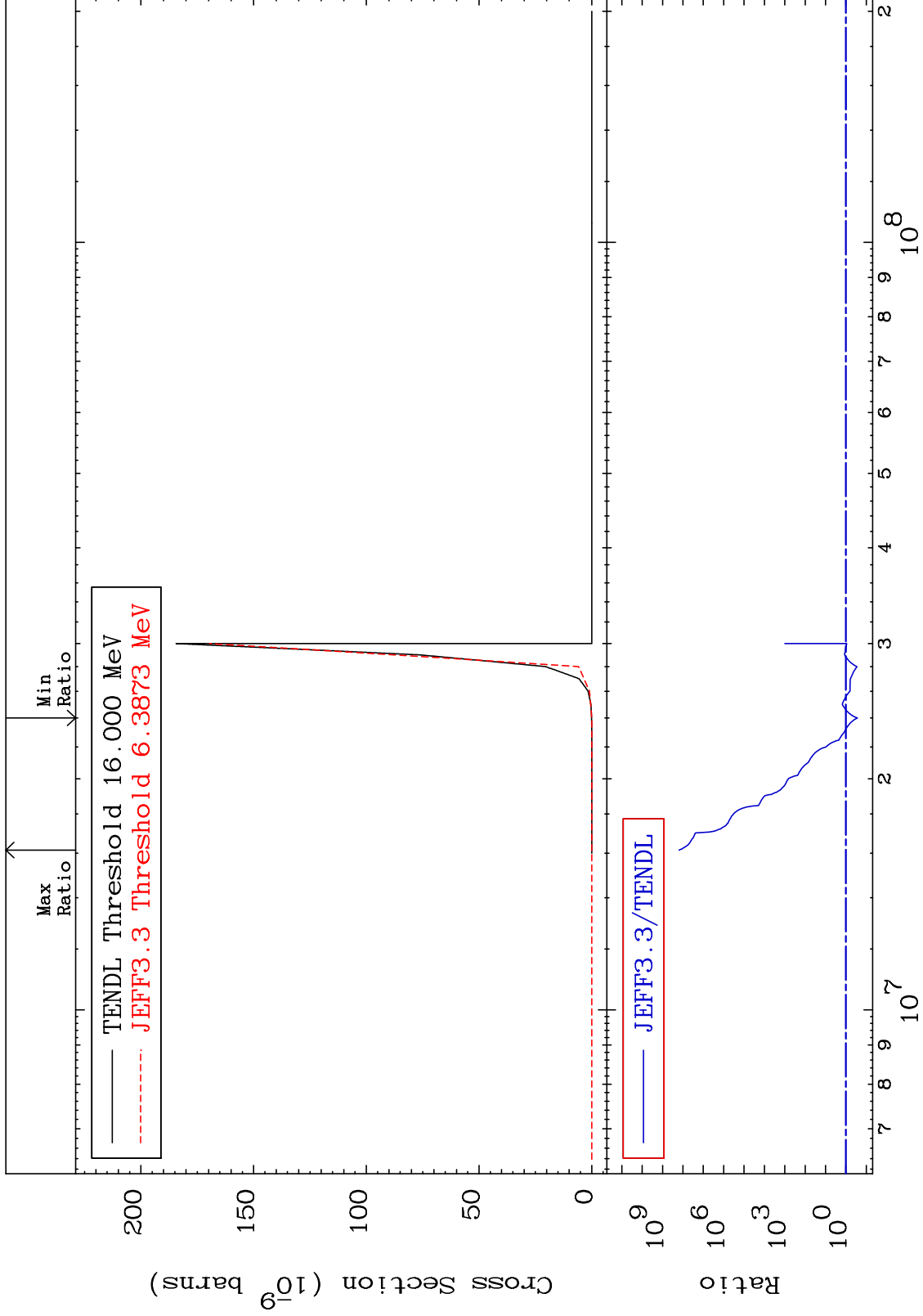
45-Rh-103

MAT 4525

(n, n') 2α: 41-Nb-95m1

45-Rh-103

Radionuclide Production Cross Section -72.85 To 9999. %



76

Incident Energy (eV)

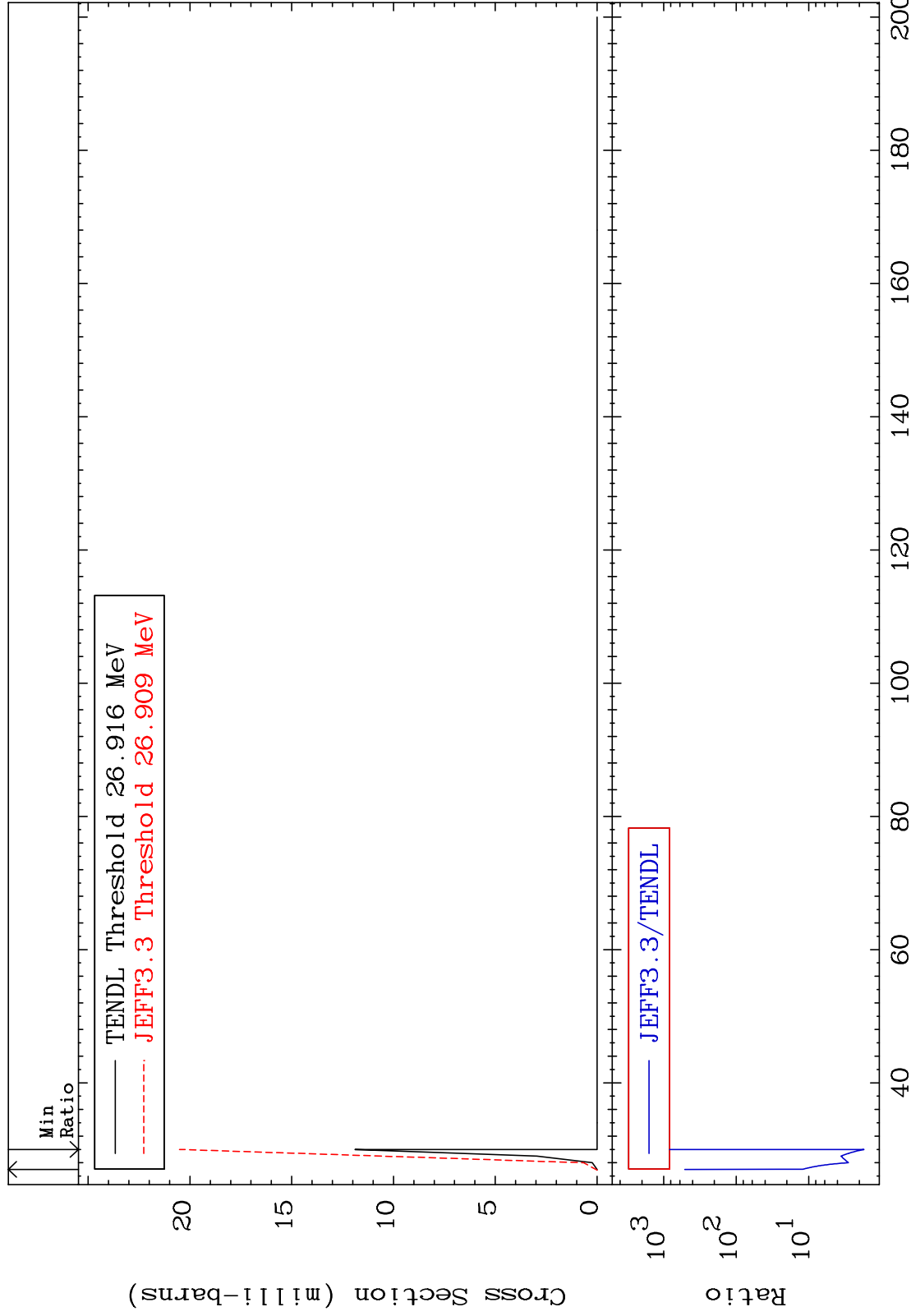
45-Rh-103

MAT 4525

(n,4n):45-Rh-100g

45-Rh-103

Radionuclide Production Cross Section 72.49 To 9999. %

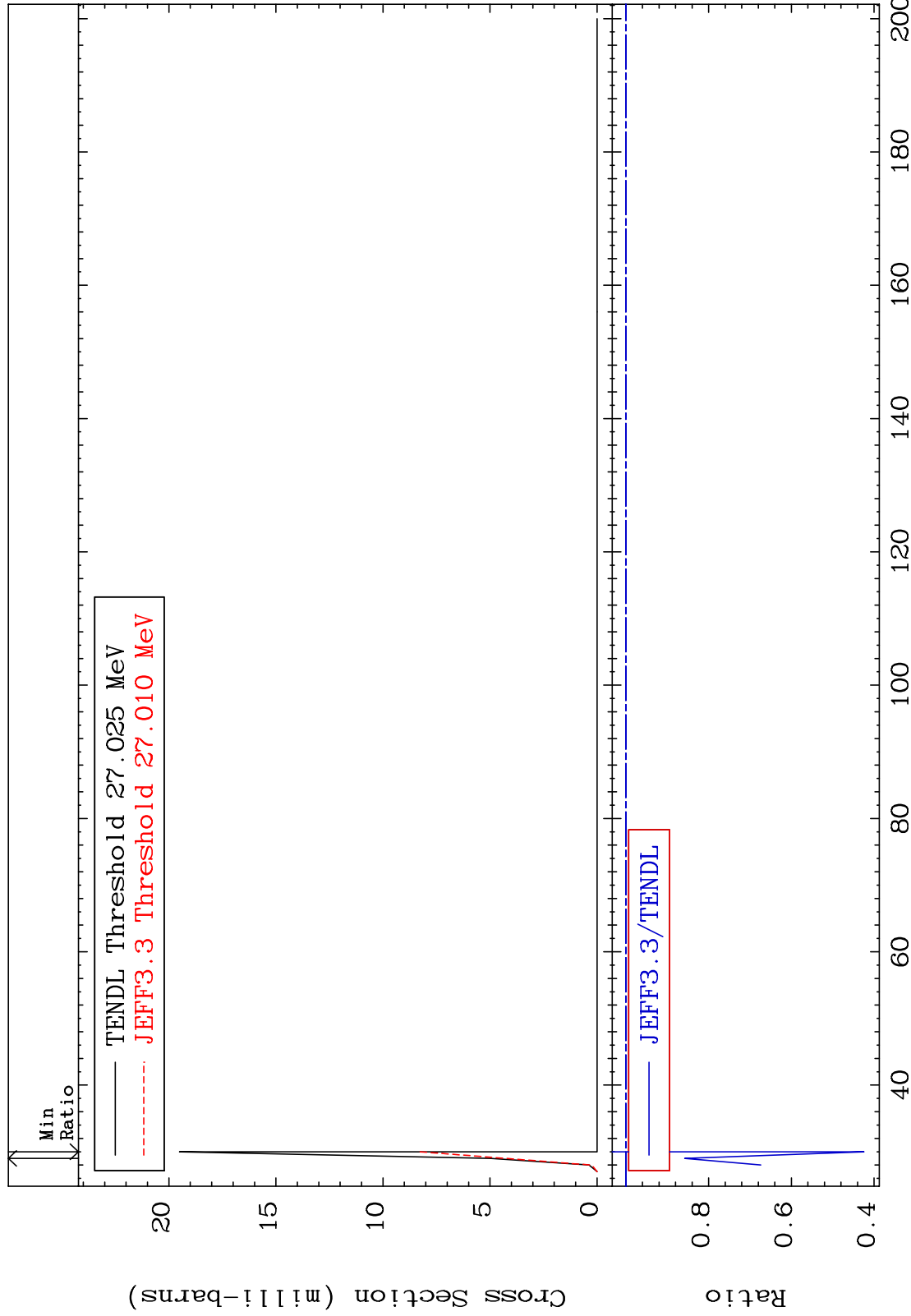


MAT 4525

(n, 4n) : 45-Rh-100m4

45-Rh-103

Radionuclide Production Cross Section -57.55 To -14.24%



78

Incident Energy (MeV)

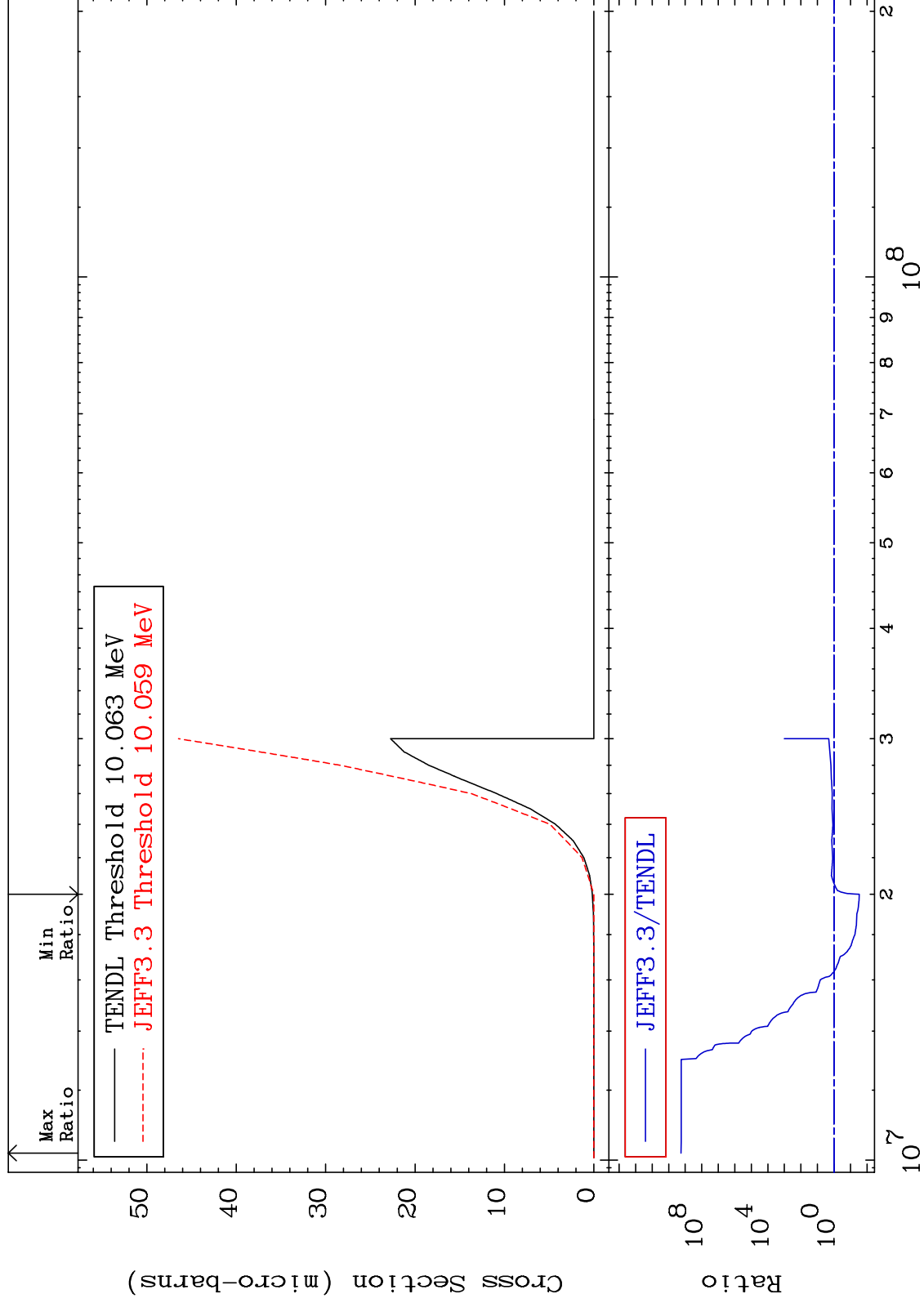
45-Rh-103

MAT 4525

(n,2p):43-Tc-102g

45-Rh-103

Radionuclide Production Cross Section -97.08 To 9999. %



79

Incident Energy (eV)

45-Rh-103

MAT 4525

(n,2p): 43-Tc-102m3

45-Rh-103

Radionuclide Production Cross Section -97.42 To 9999. %

