

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

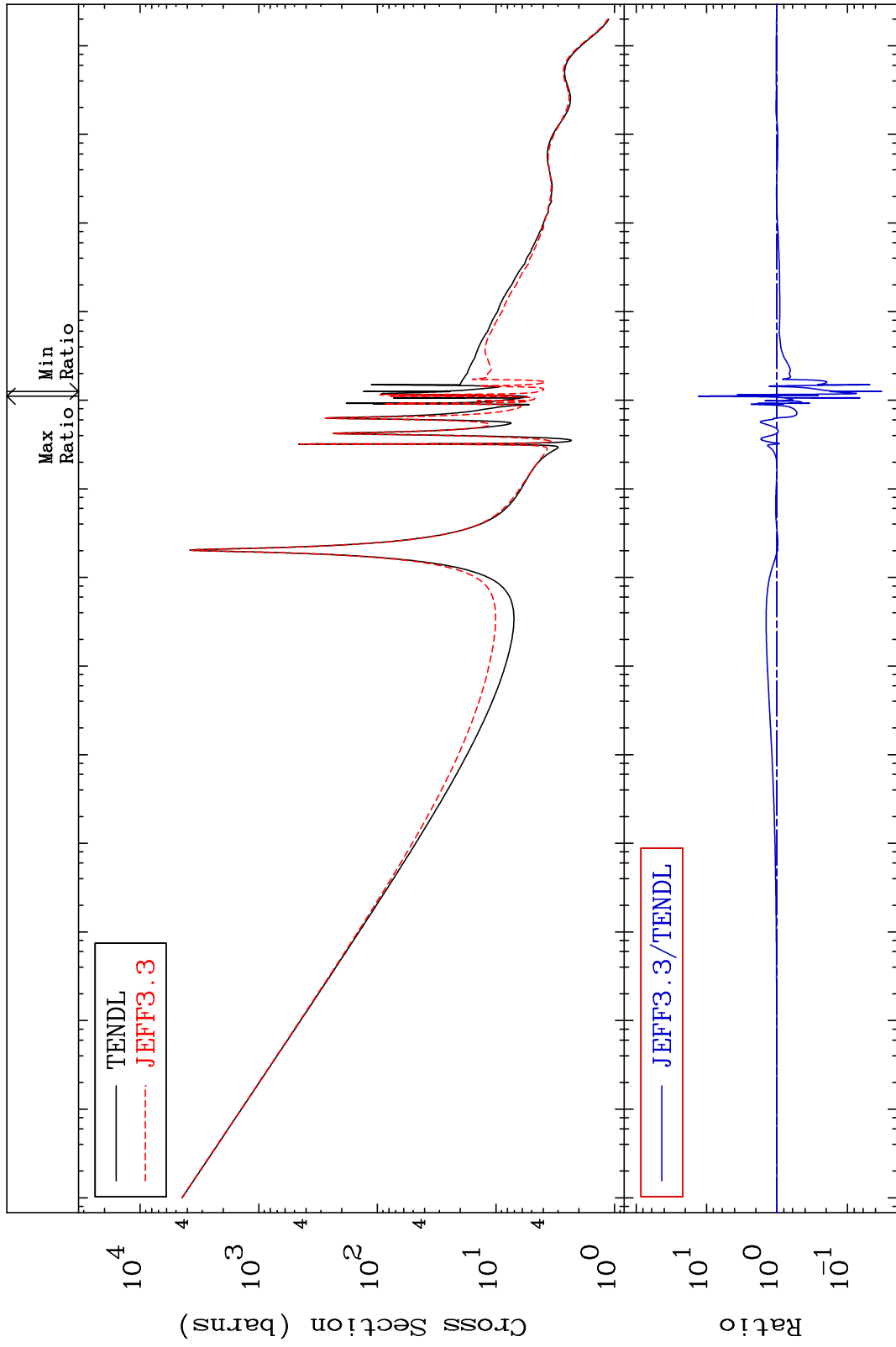
MAT 2828

Total

28-Ni-59

Cross Section

-96.72 To 1208. %



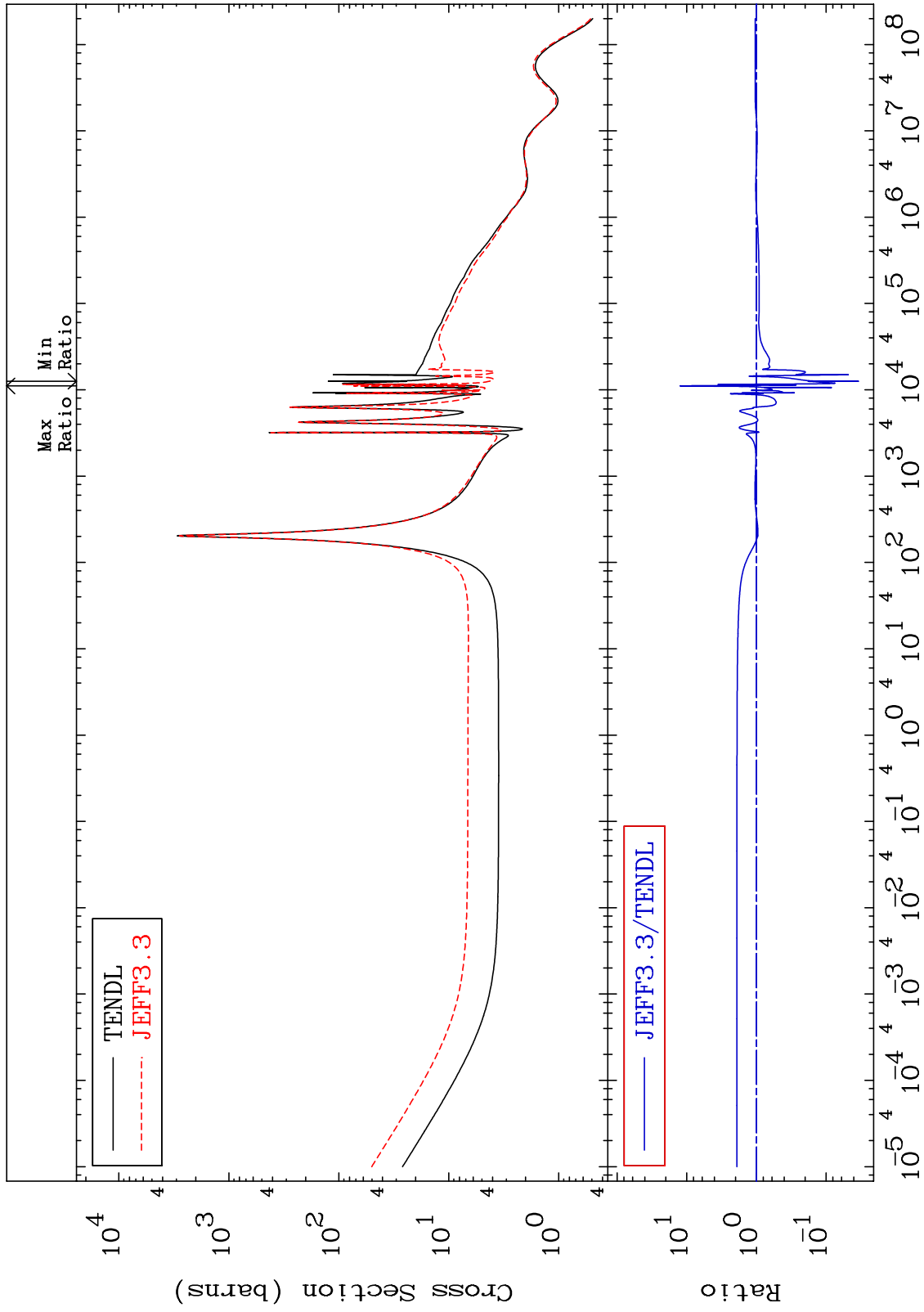
Incident Energy (eV)

28-Ni-59

MAT 2828

Elastic
Cross Section

28-Ni-59
-96.57 To 1151. %



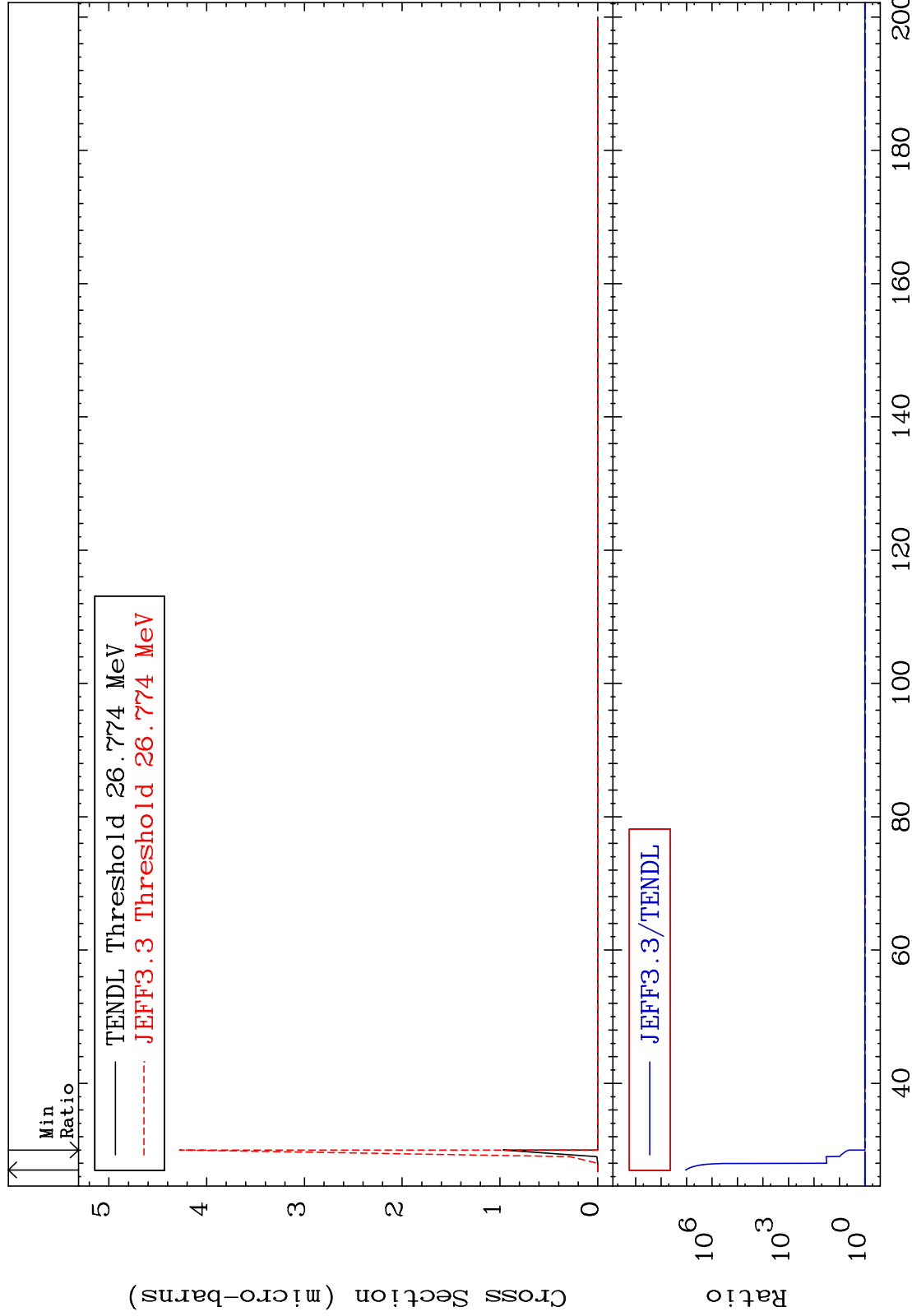
MAT 2828

(n,2n) d

28-Ni-59

Cross Section

0.000 To 9999. %



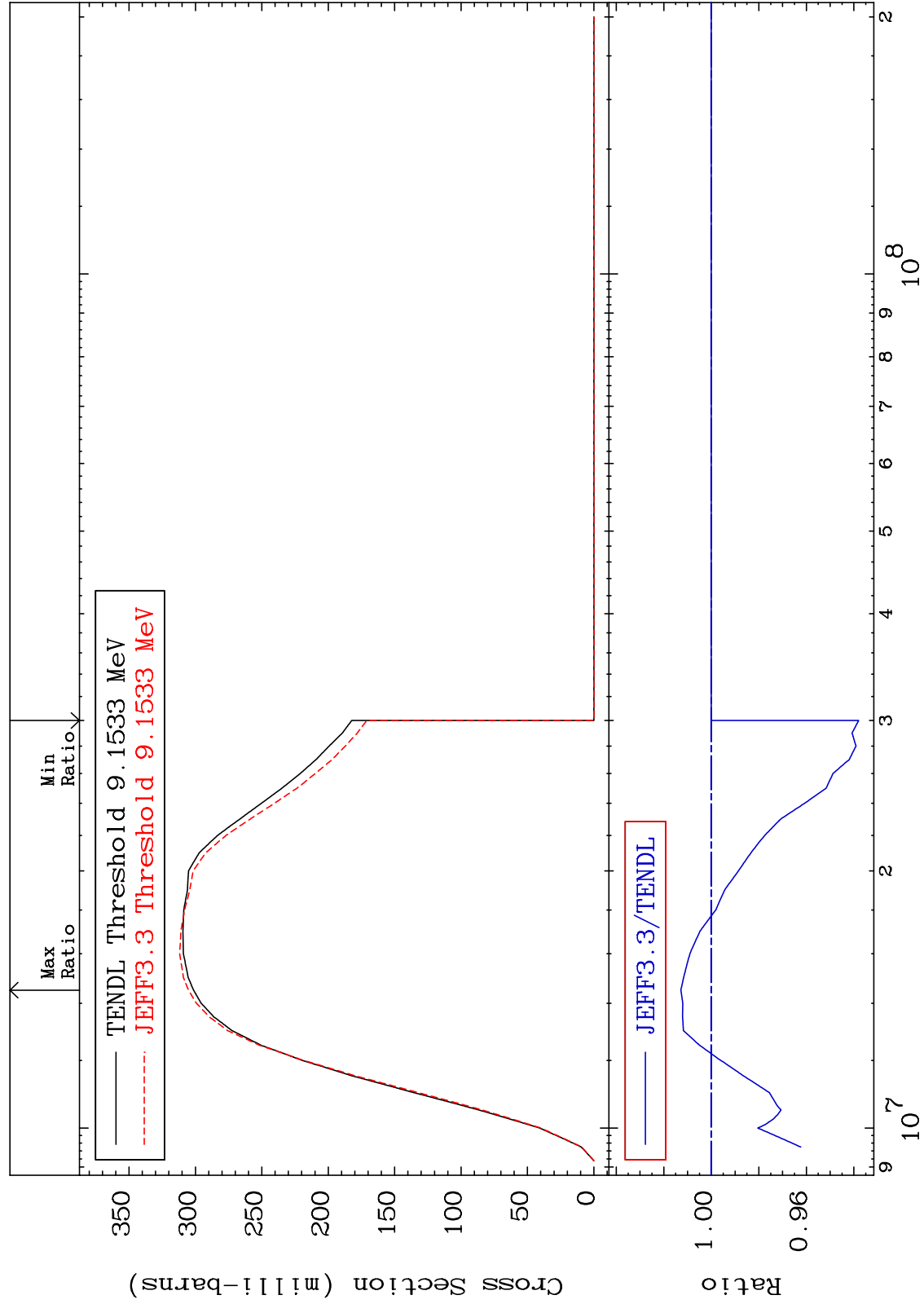
MAT 2828

(n,2n)

28-Ni-59

Cross Section

-6.200 To 1.280 %



Incident Energy (eV)

28-Ni-59

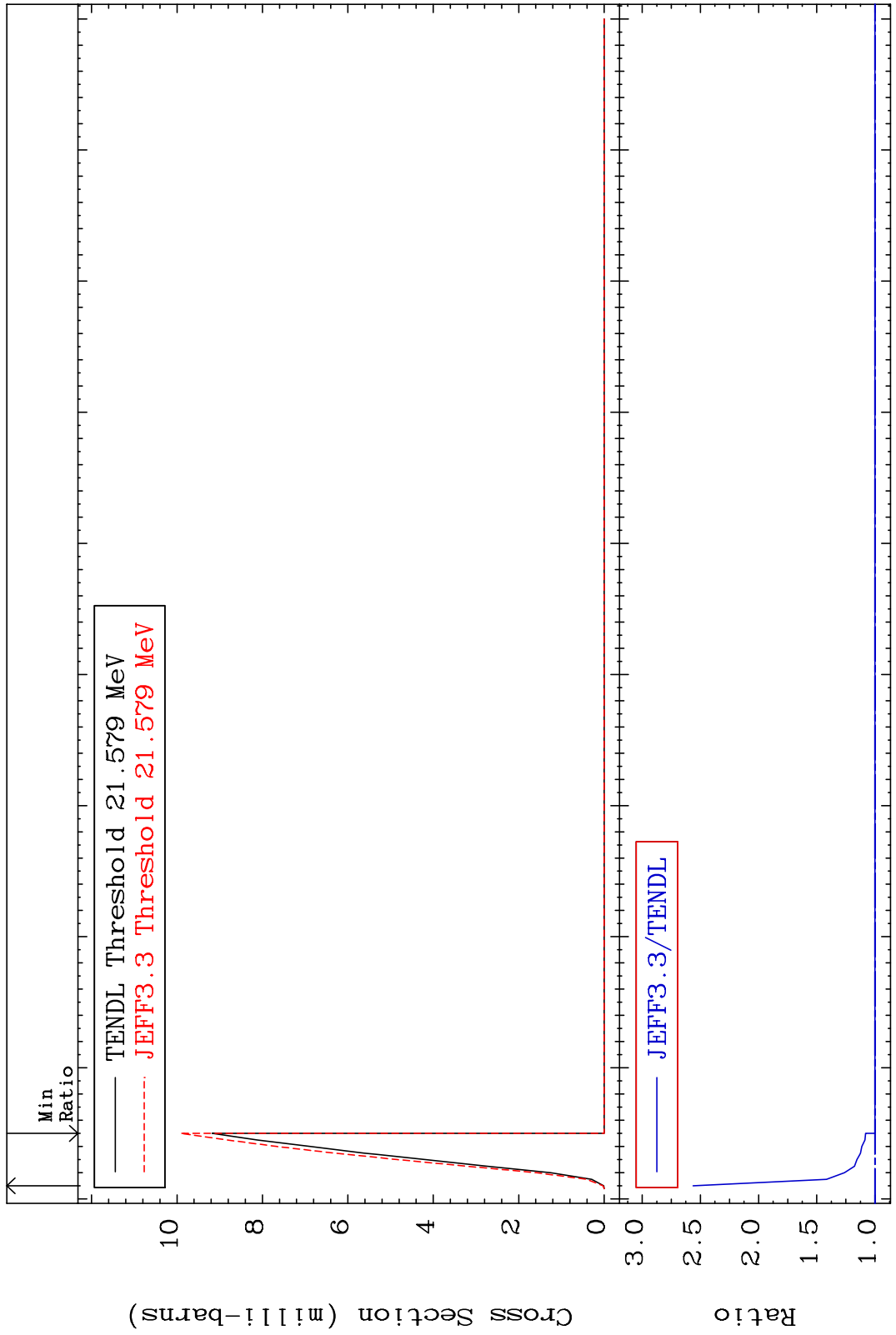
MAT 2828

(n,3n)

28-Ni-59

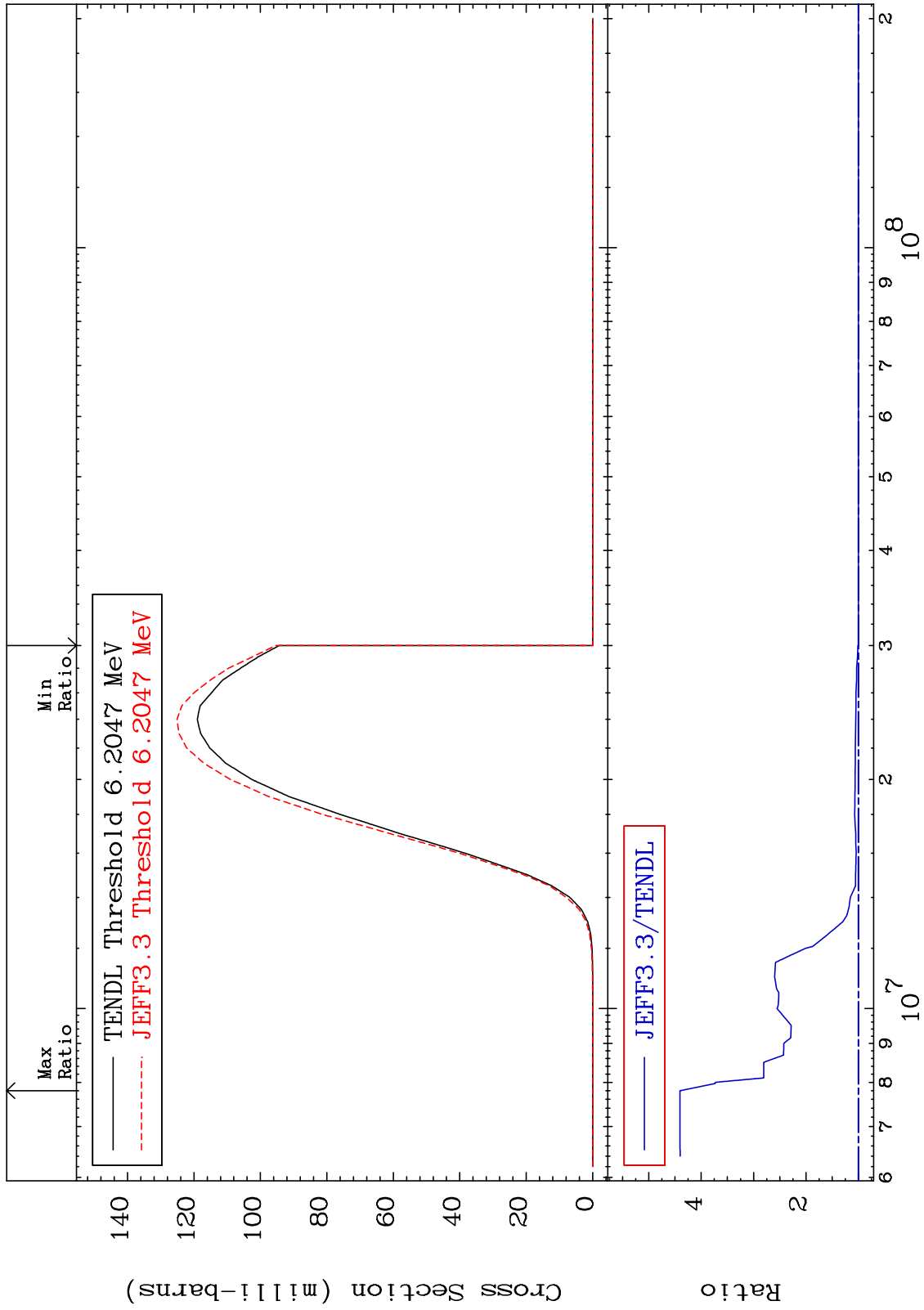
Cross Section

0.000 To 156.2 %



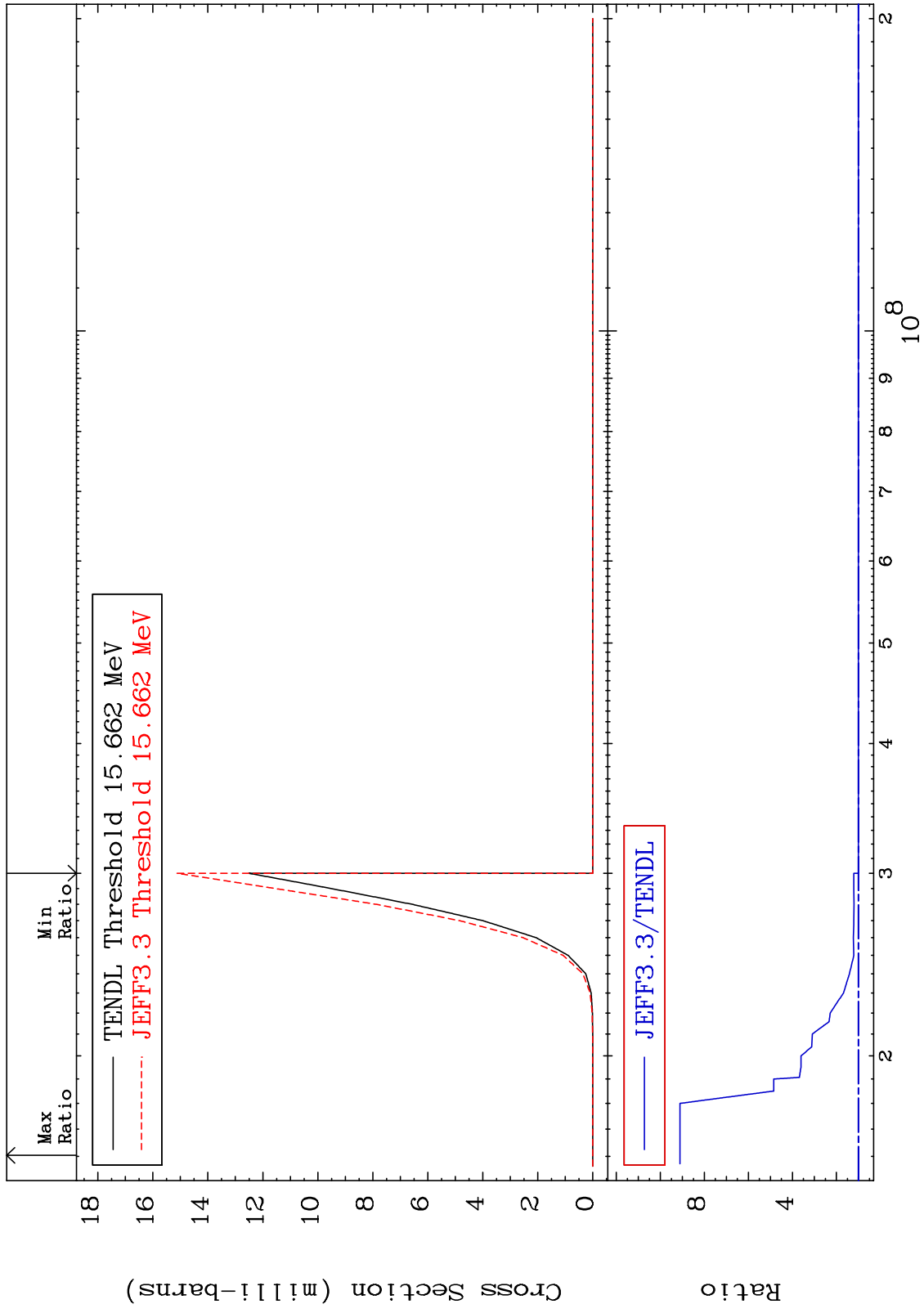
Incident Energy (MeV)

MAT 2828 $(n, n') \alpha$ Cross Section 28-Ni-59 To 340.4 %
0.000



28-Ni-59

MAT 2828 (n,2n) α 28-Ni-59
Cross Section 0.000 To 810.7 %

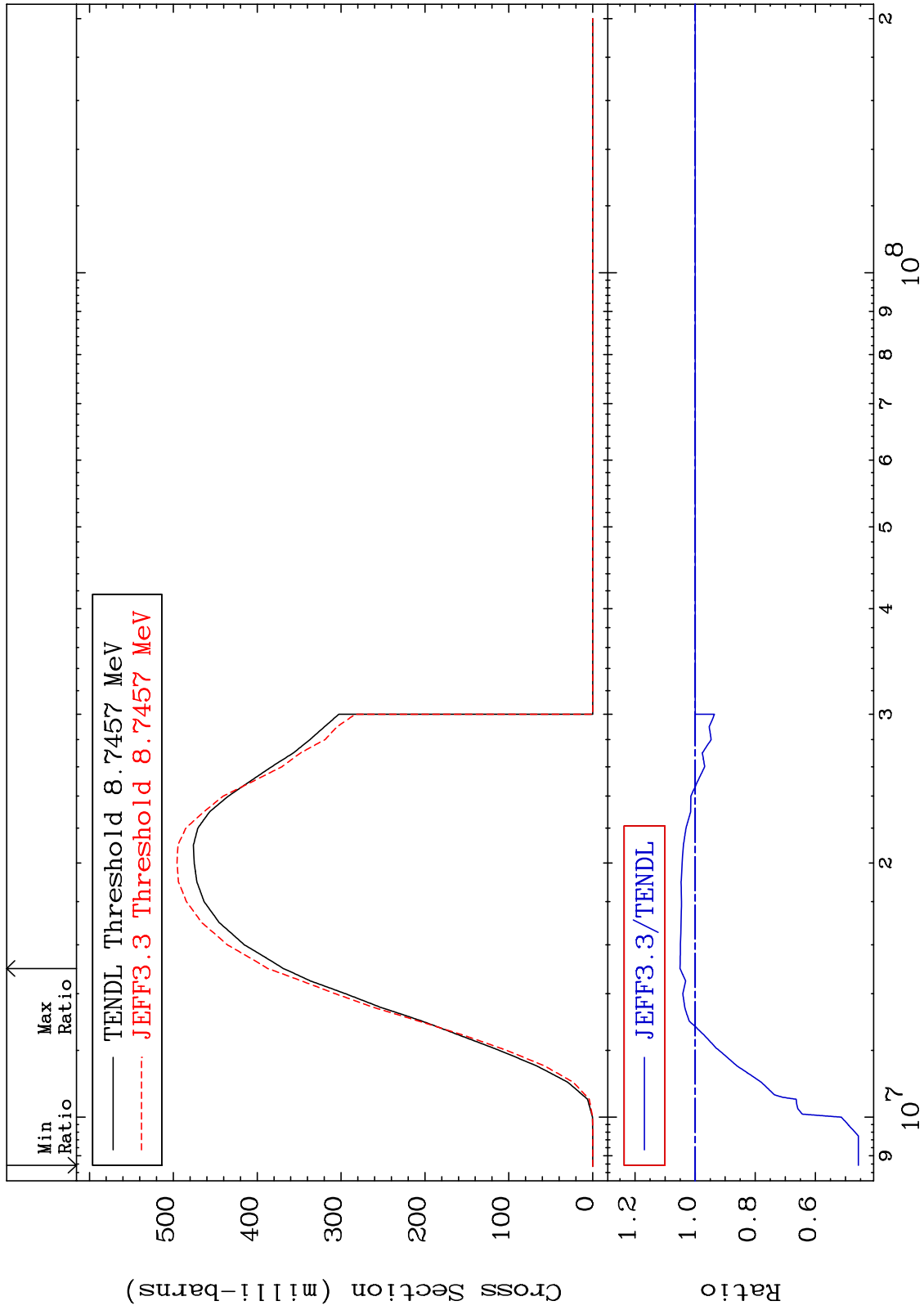


8 Incident Energy (eV) 28-Ni-59

MAT 2828

(n,n') p
Cross Section

28-Ni-59
-54.29 To 5.022 %



9

Incident Energy (eV)

28-Ni-59

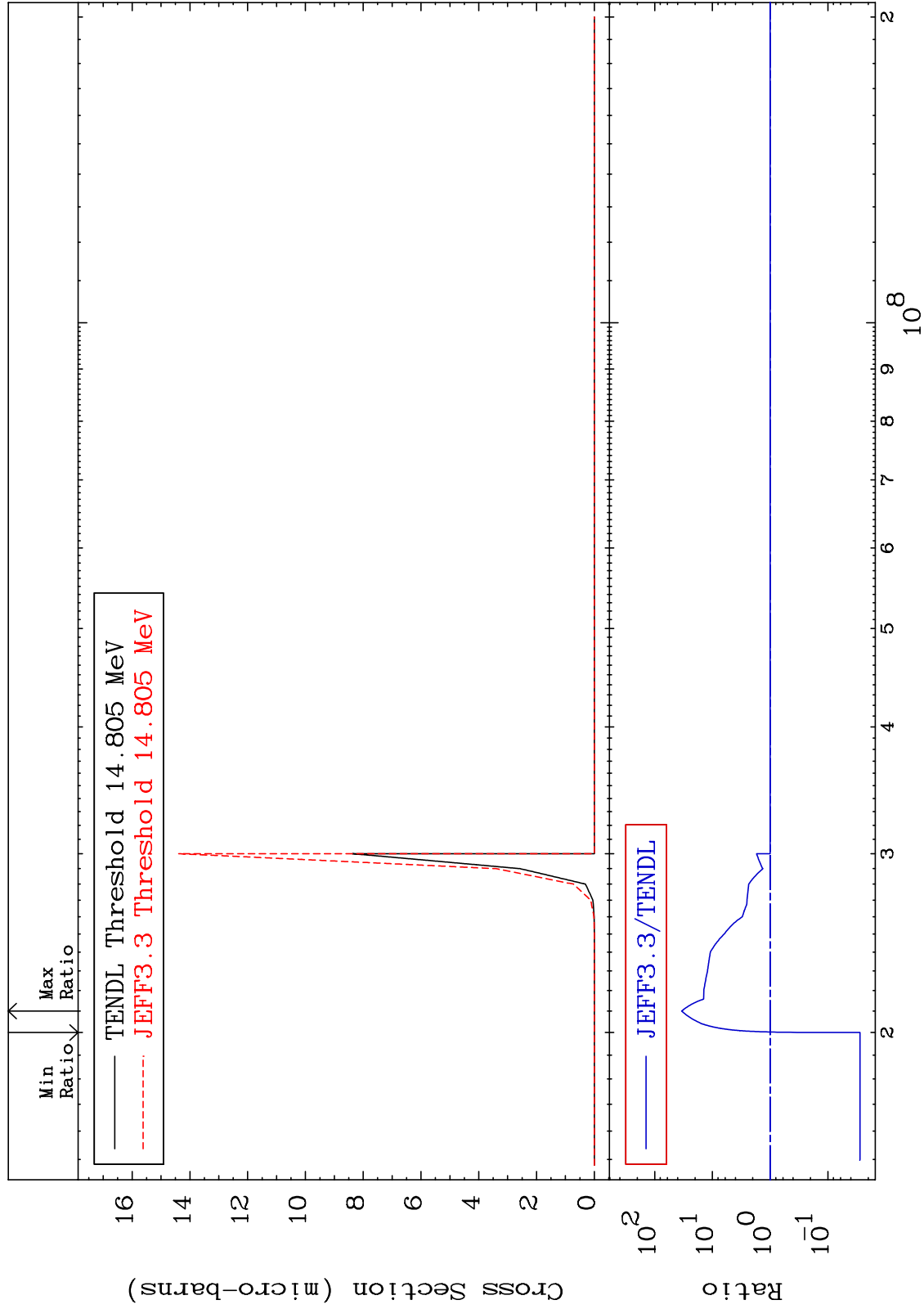
MAT 2828

(n,n') 2α

28-Ni-59

Cross Section

-97.23 To 3312. %

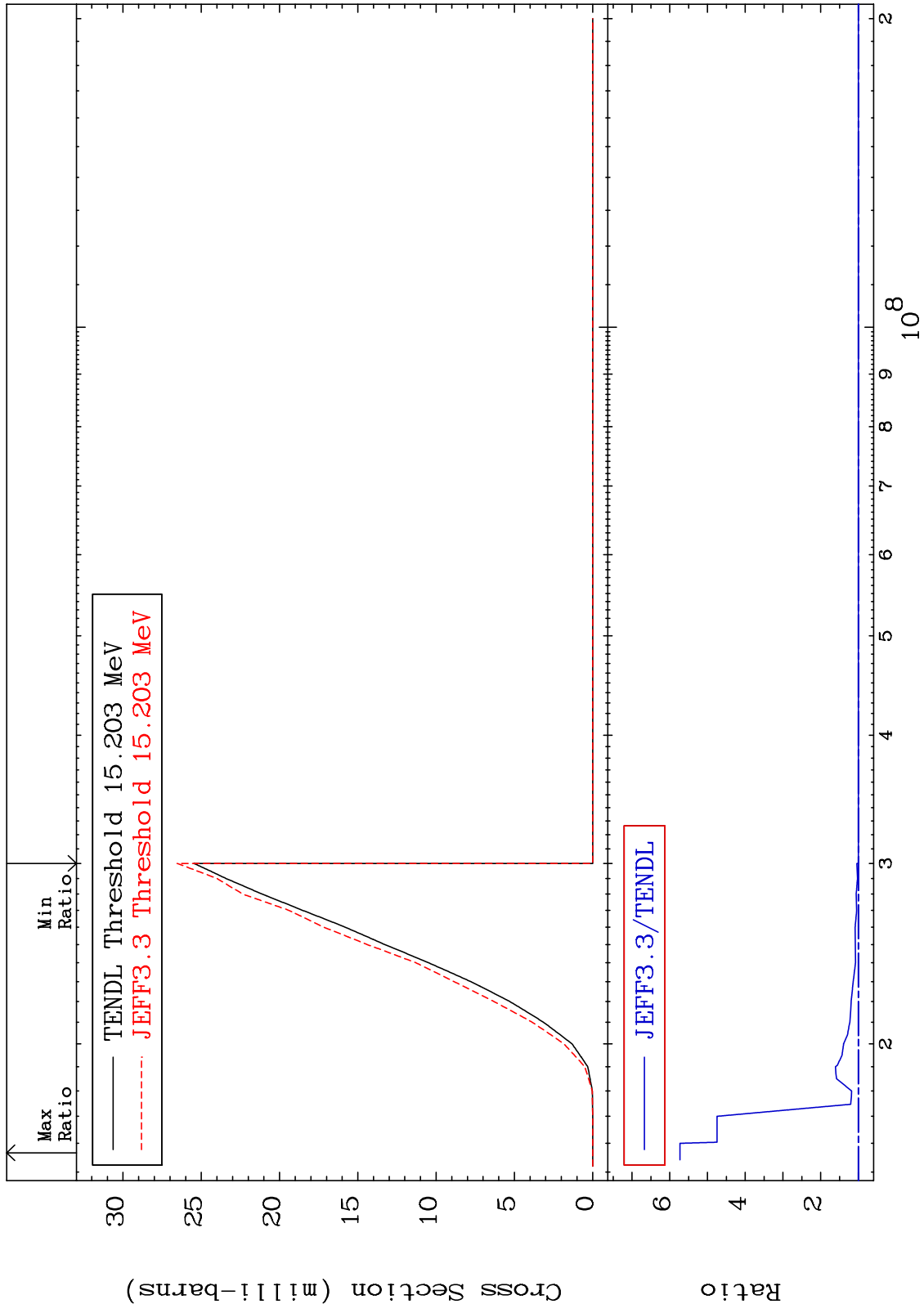


10

Incident Energy (eV)

28-Ni-59

MAT 2828 $(n, n') d$ Cross Section 28-Ni-59 To 472.8 %
 0.000



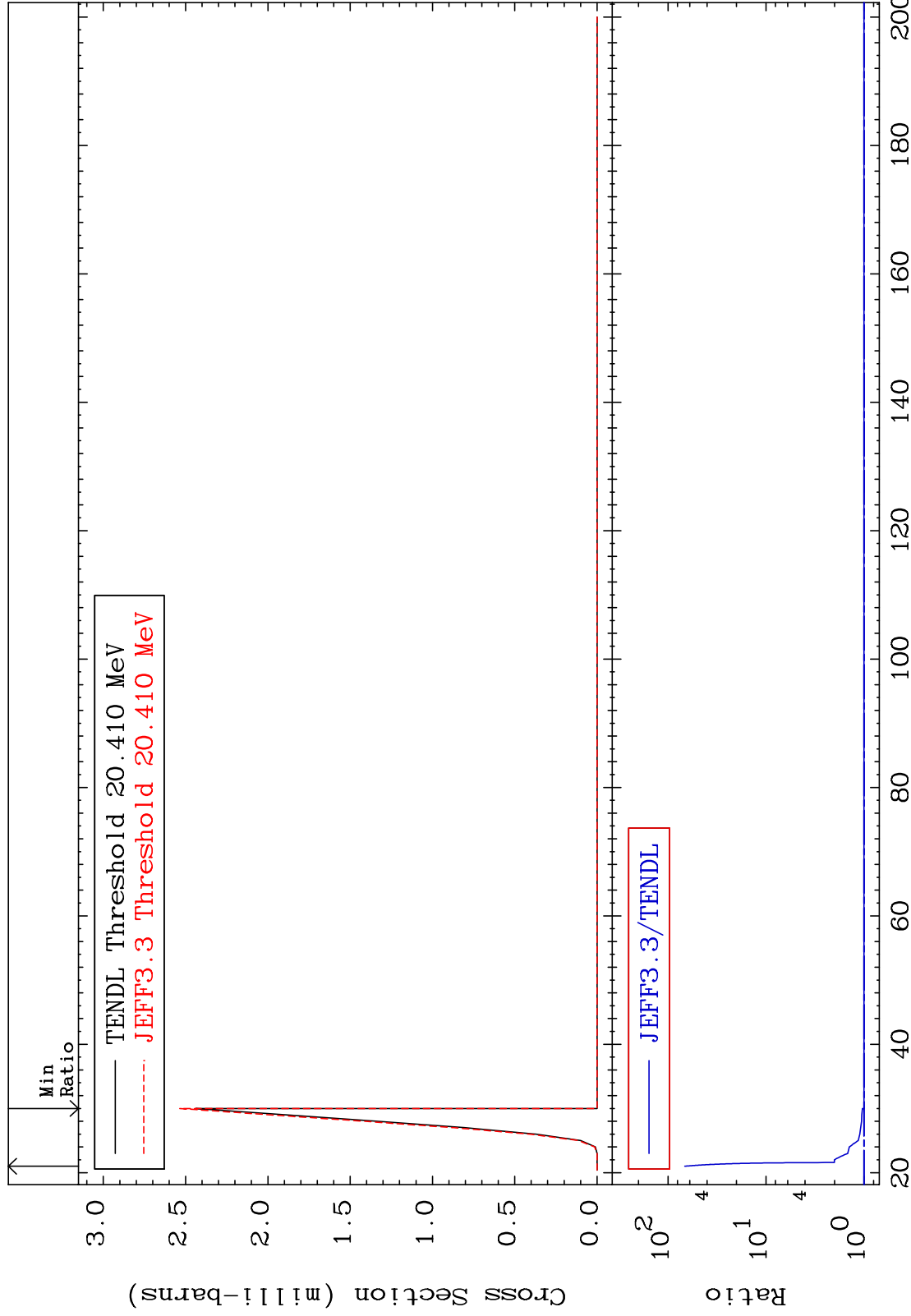
MAT 2828

(n,n') t

28-Ni-59

Cross Section

0.000 To 6648. %



28-Ni-59

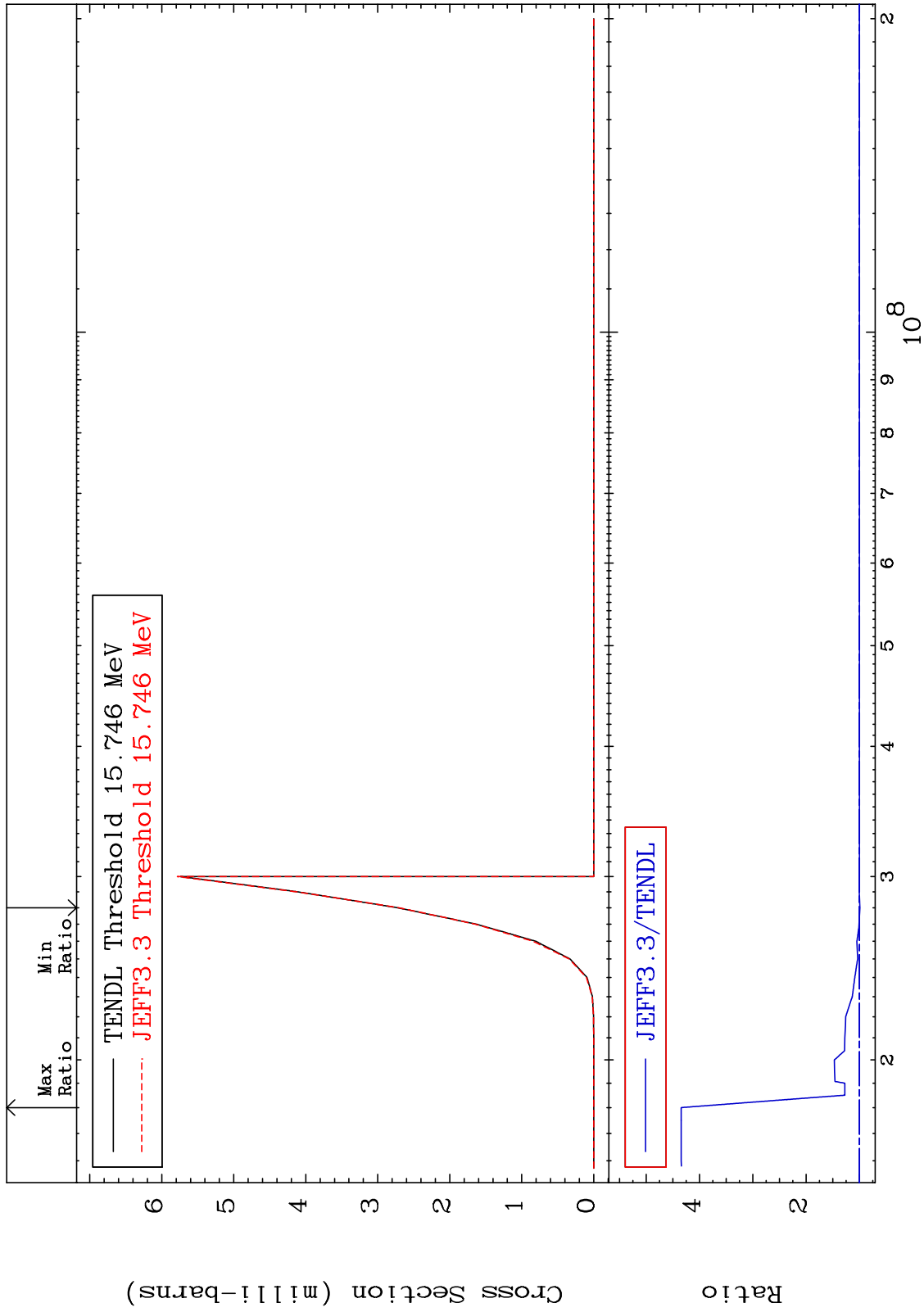
Incident Energy (MeV)

12

MAT 2828

(n,n') He-3
Cross Section

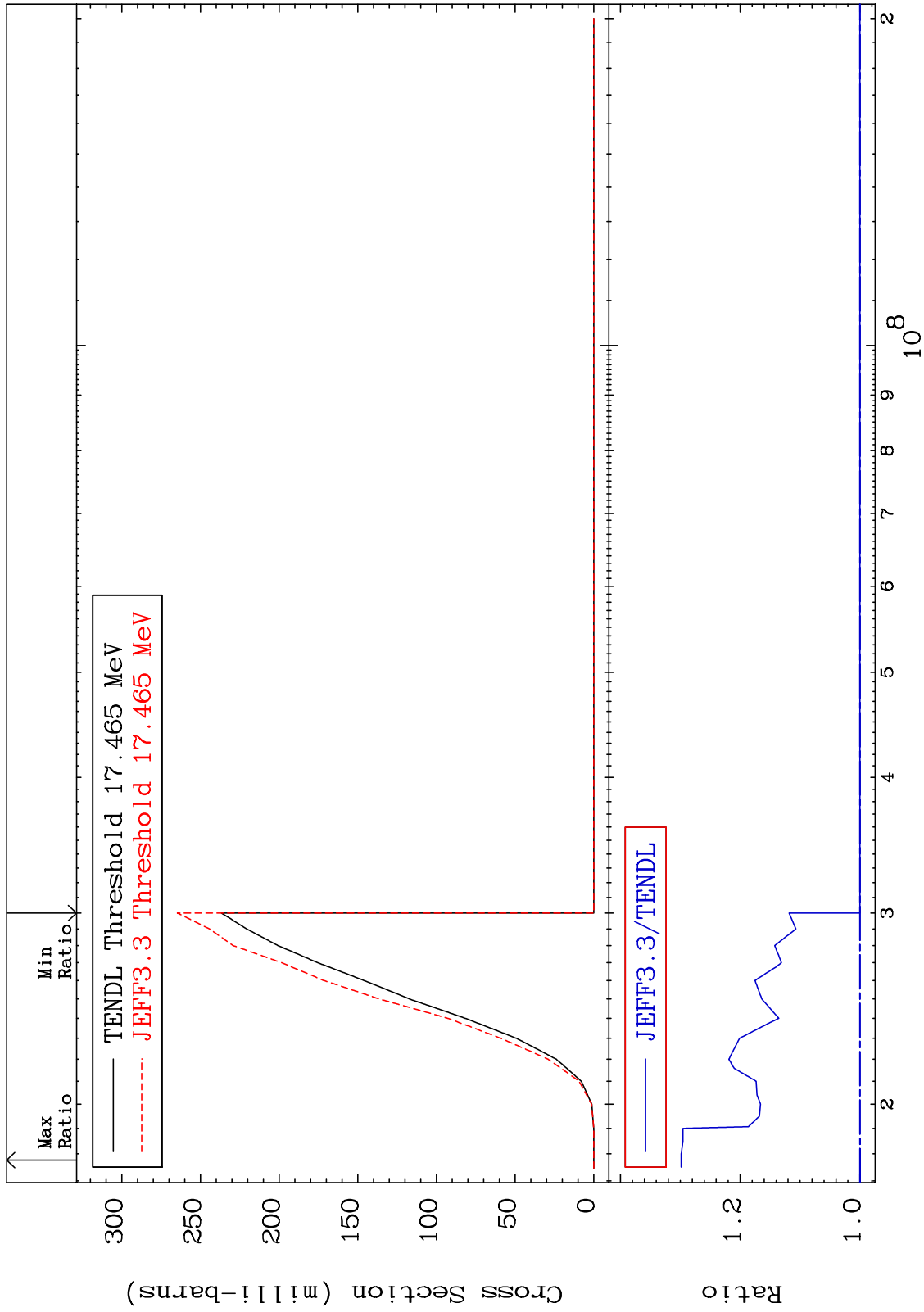
28-Ni-59
-0.798 To 334.3 %



MAT 2828

(n,2n) p
Cross Section

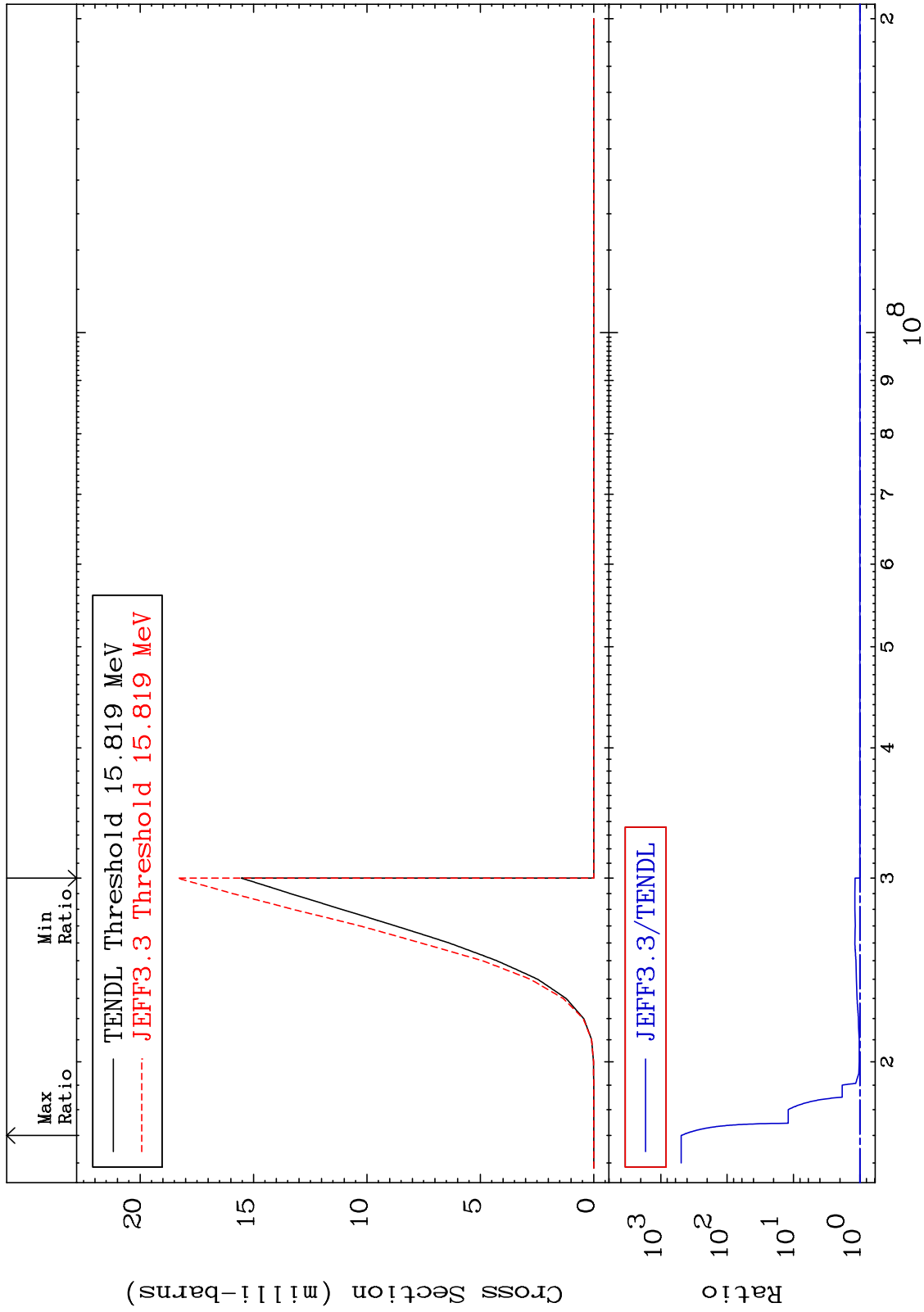
28-Ni-59
0.000 To 29.84 %



MAT 2828

(n,2n) p
Cross Section

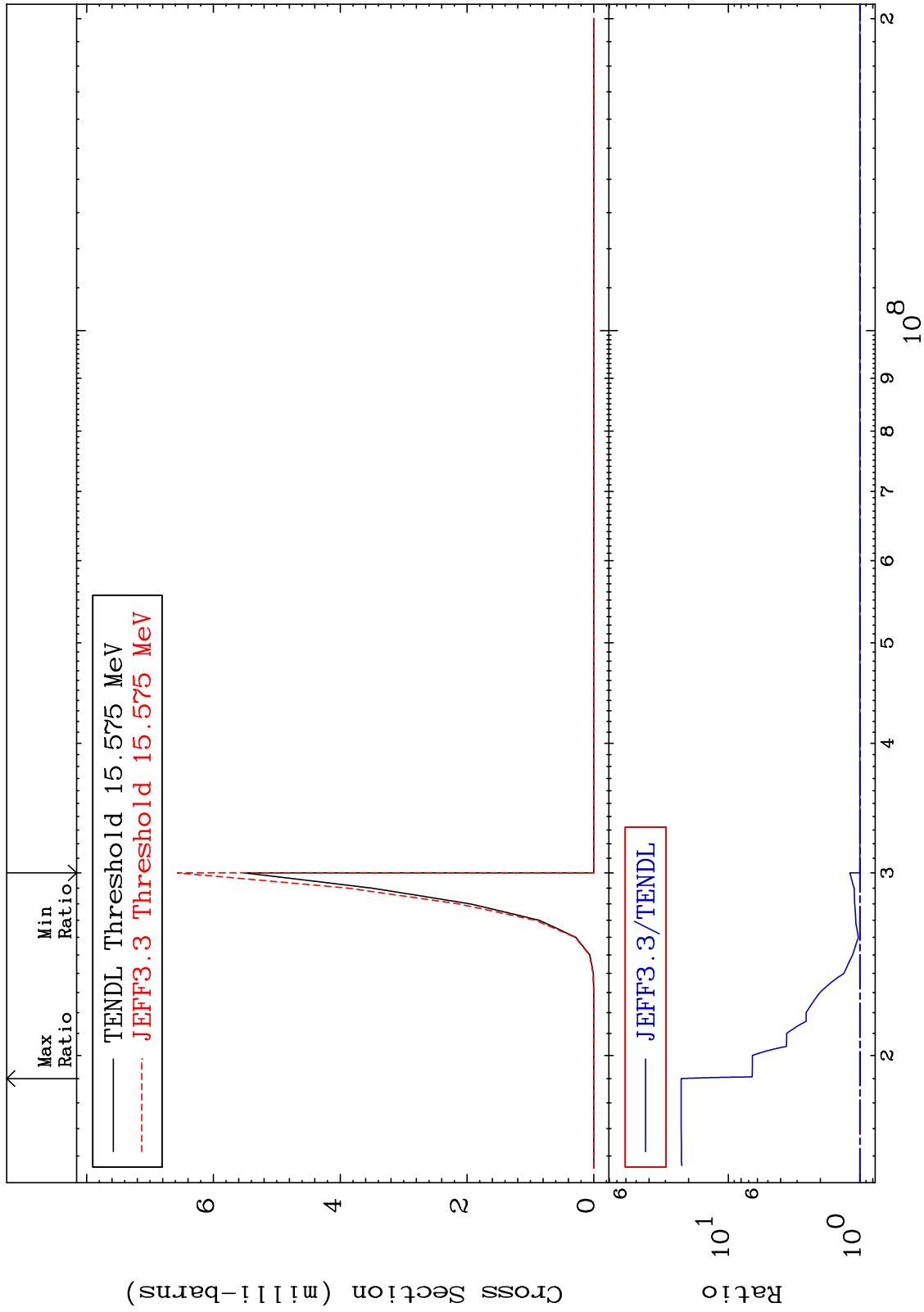
28-Ni-59
0.000 To 9999. %



MAT 2828

(n,n') p α
Cross Section

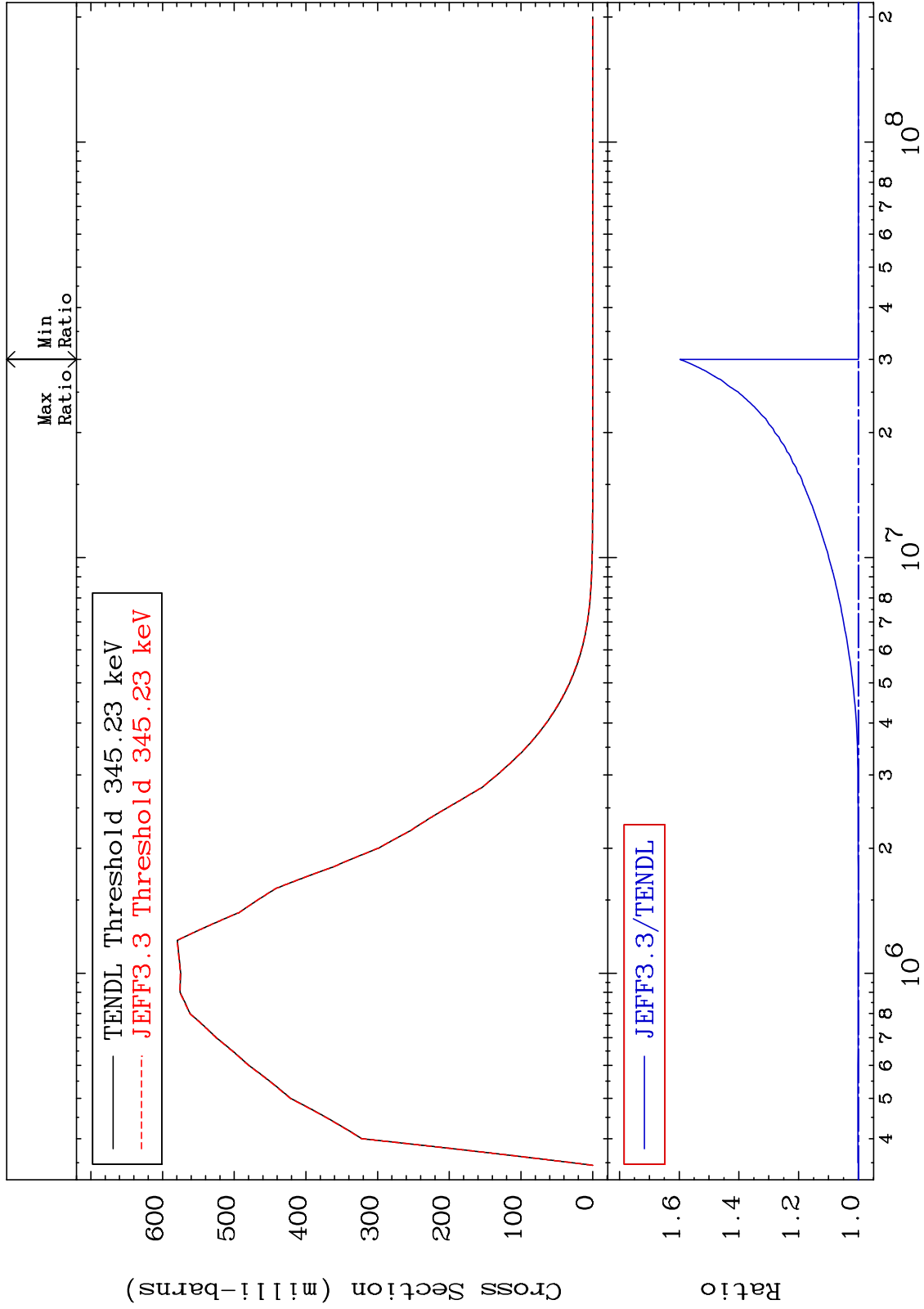
28-Ni-59
0.000 To 2176. %



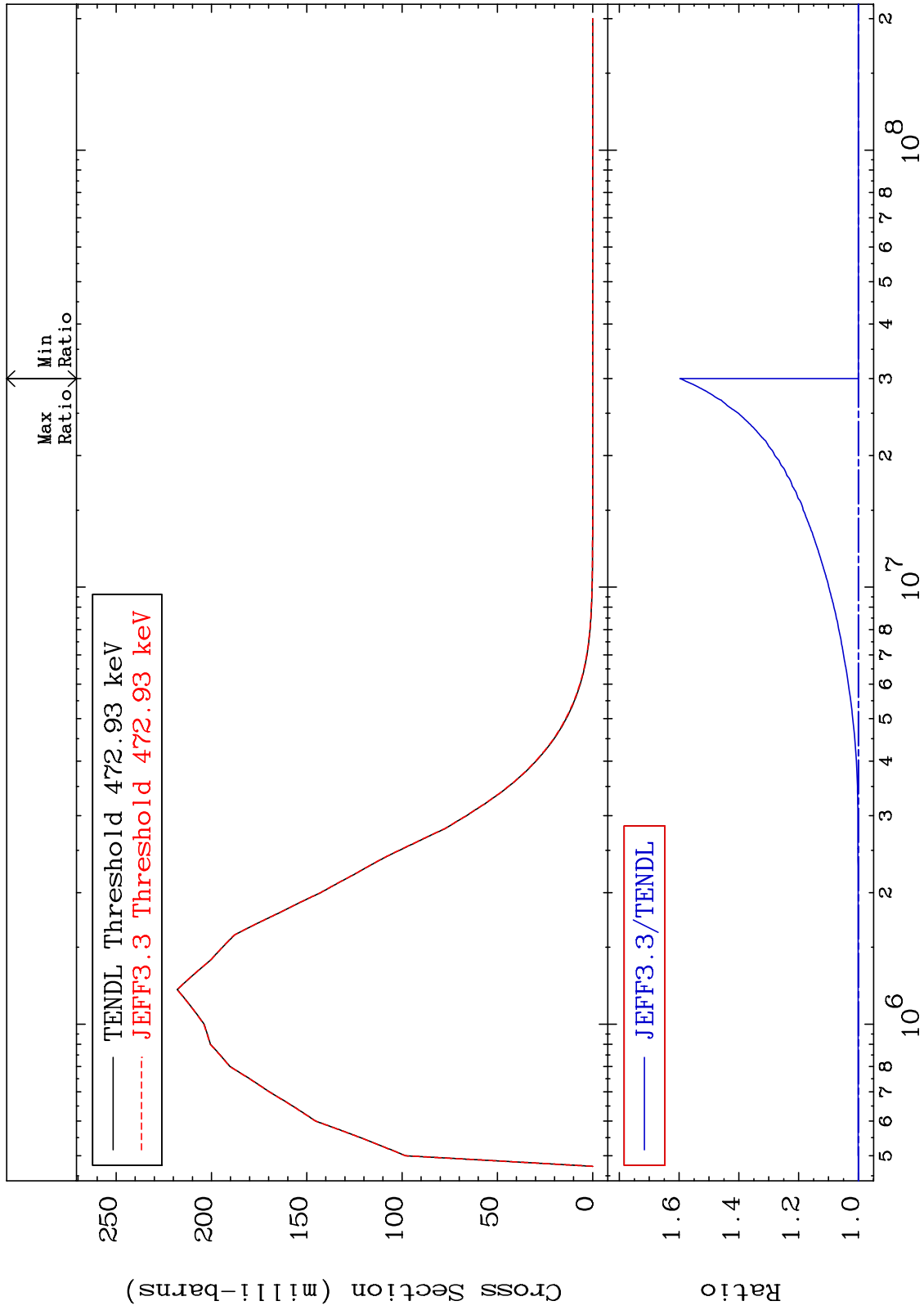
MAT 2828

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

0.000 To 59.72 %
28-Ni-59



MAT 2828 MT= 52 (n, n') Level Cross Section 28-Ni-59 To 59.70 % 0.000

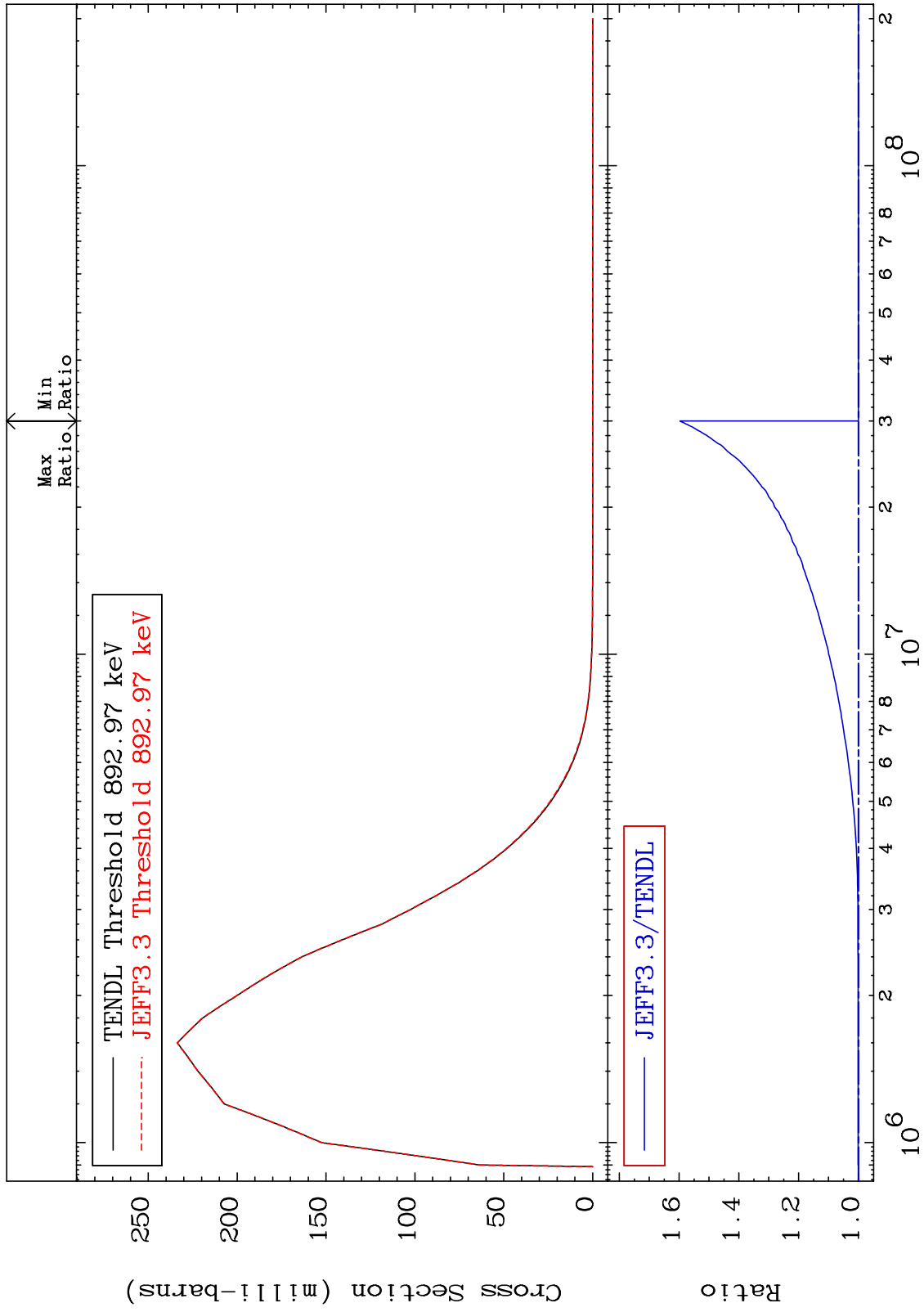


18 28-Ni-59

MAT 2828

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

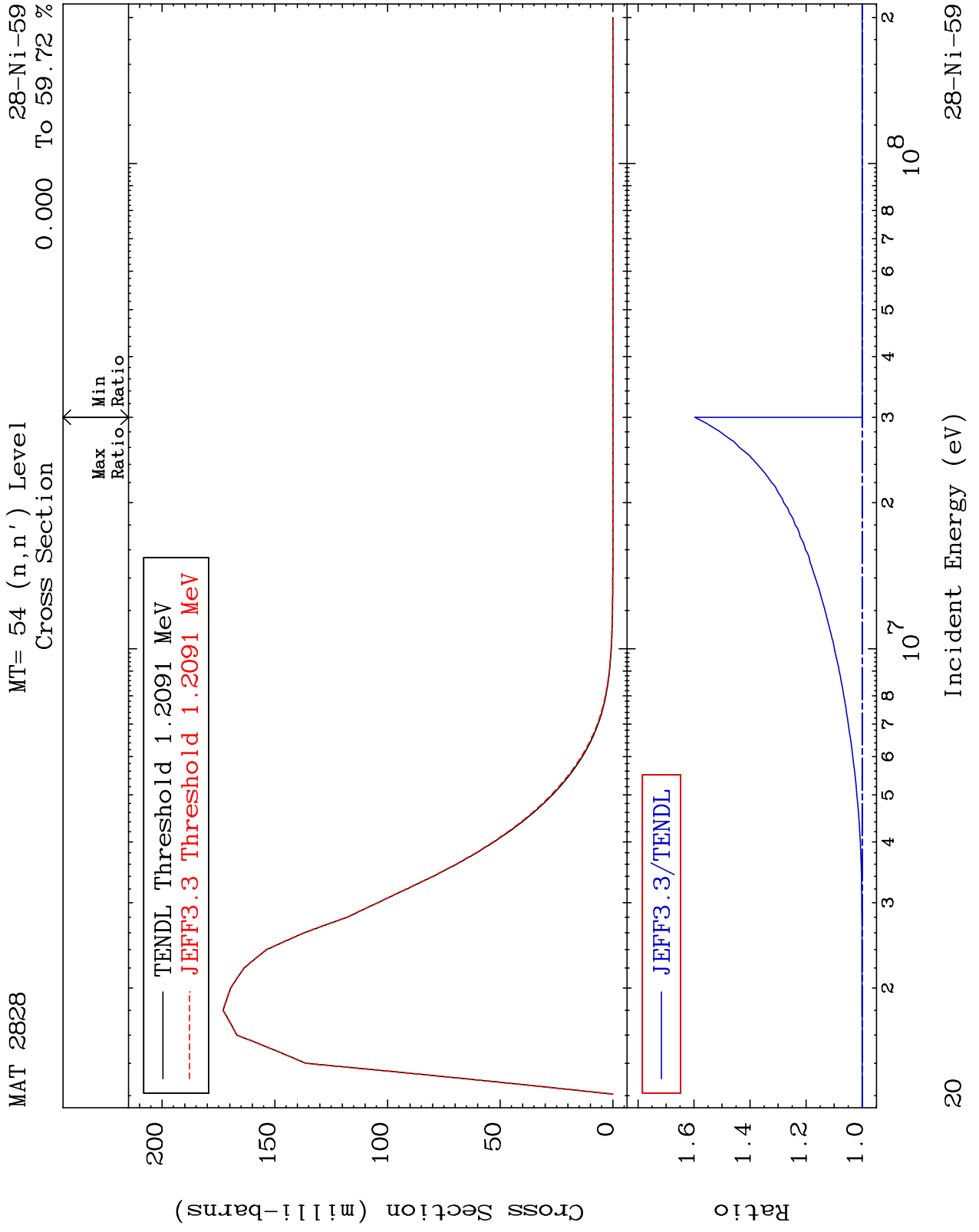
28-Ni-59
0.000 To 59.71 %

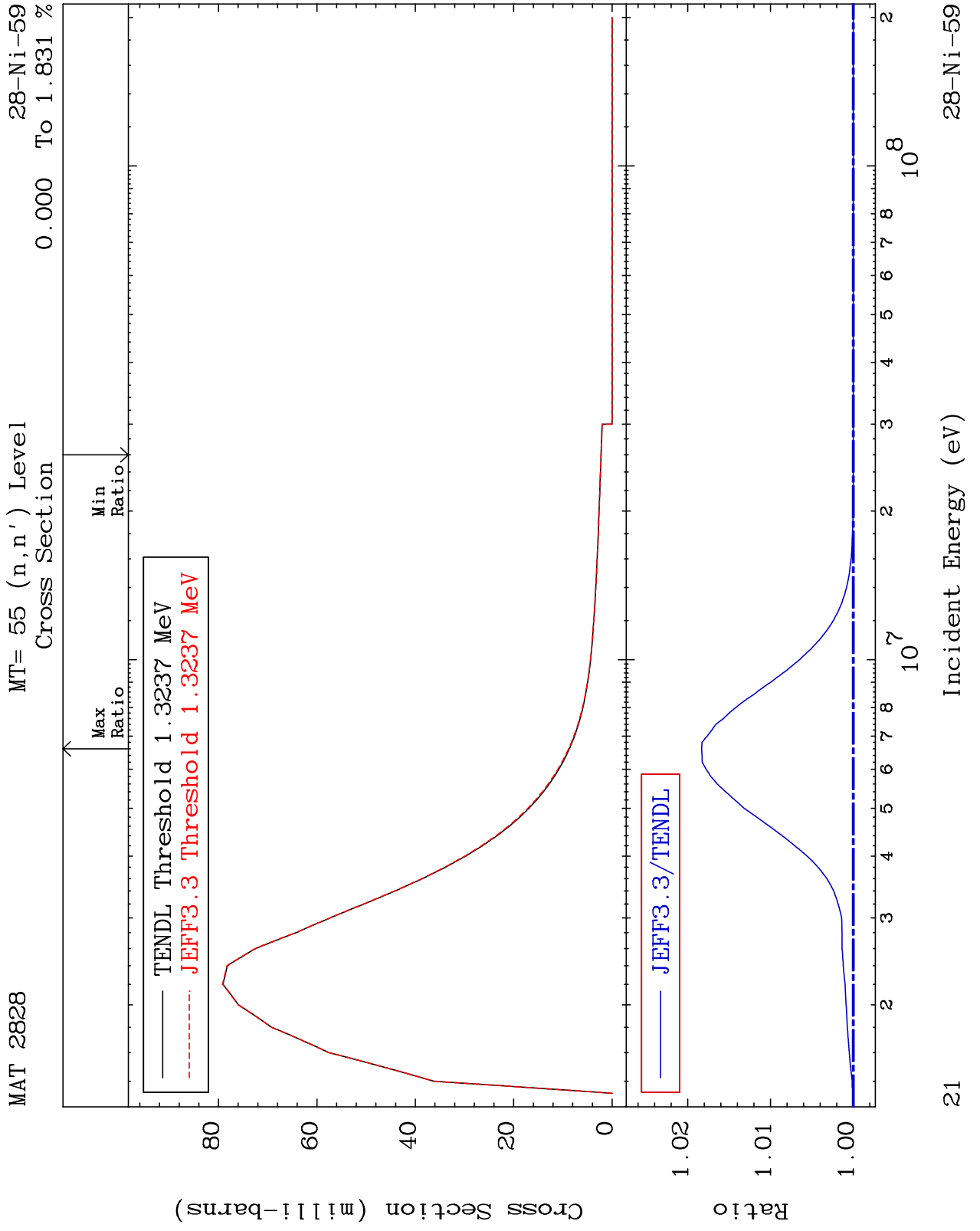


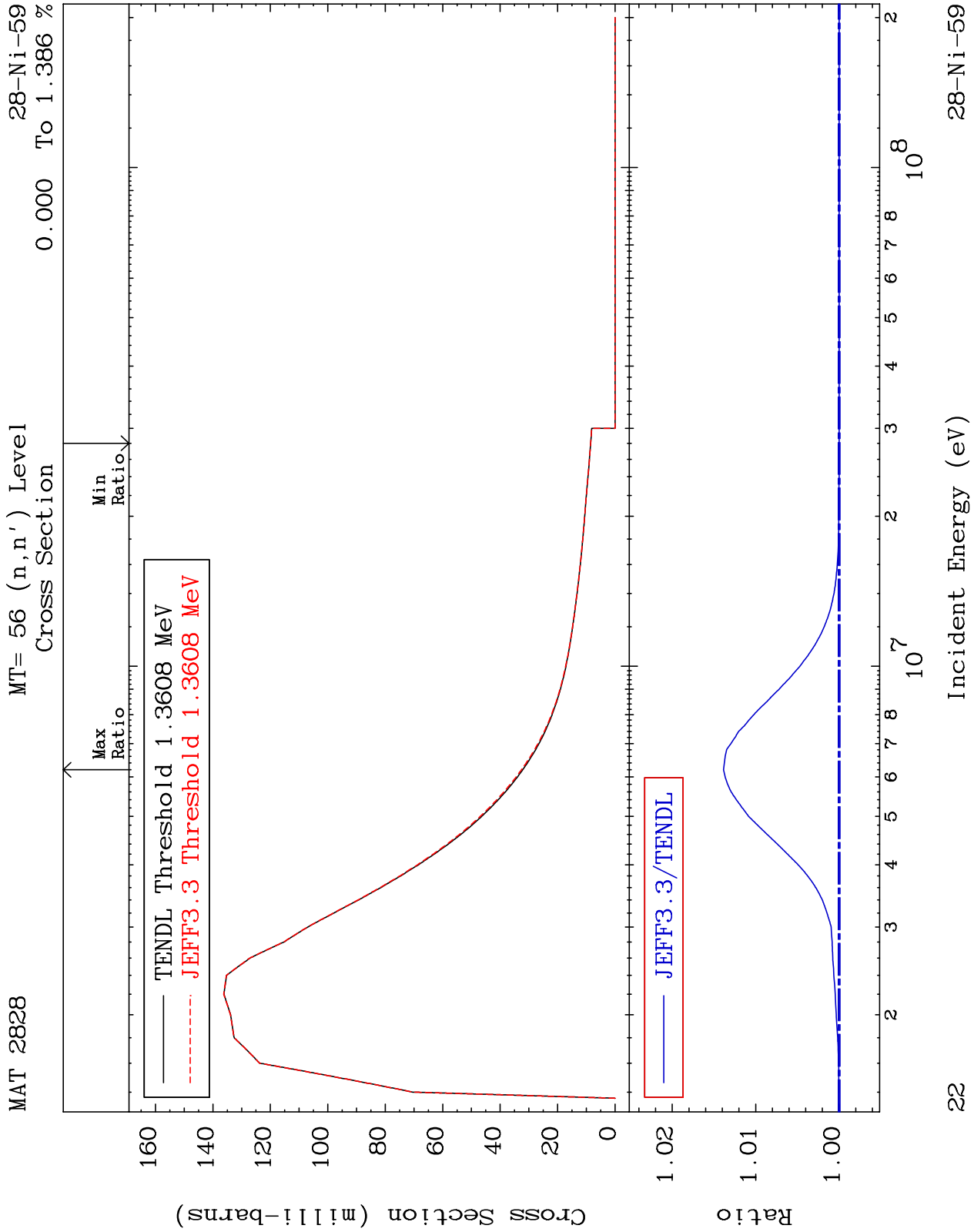
28-Ni-59

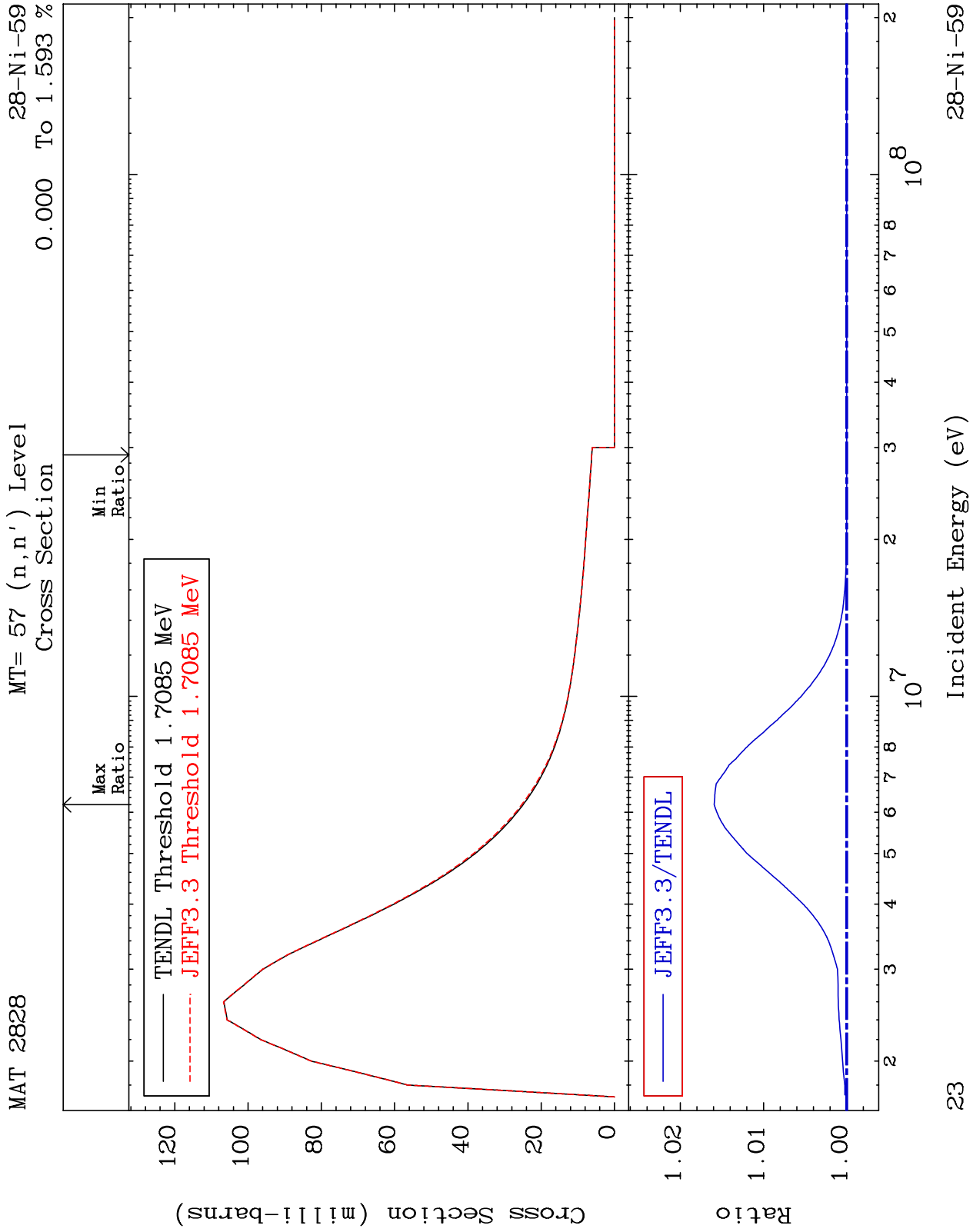
Incident Energy (eV)

19

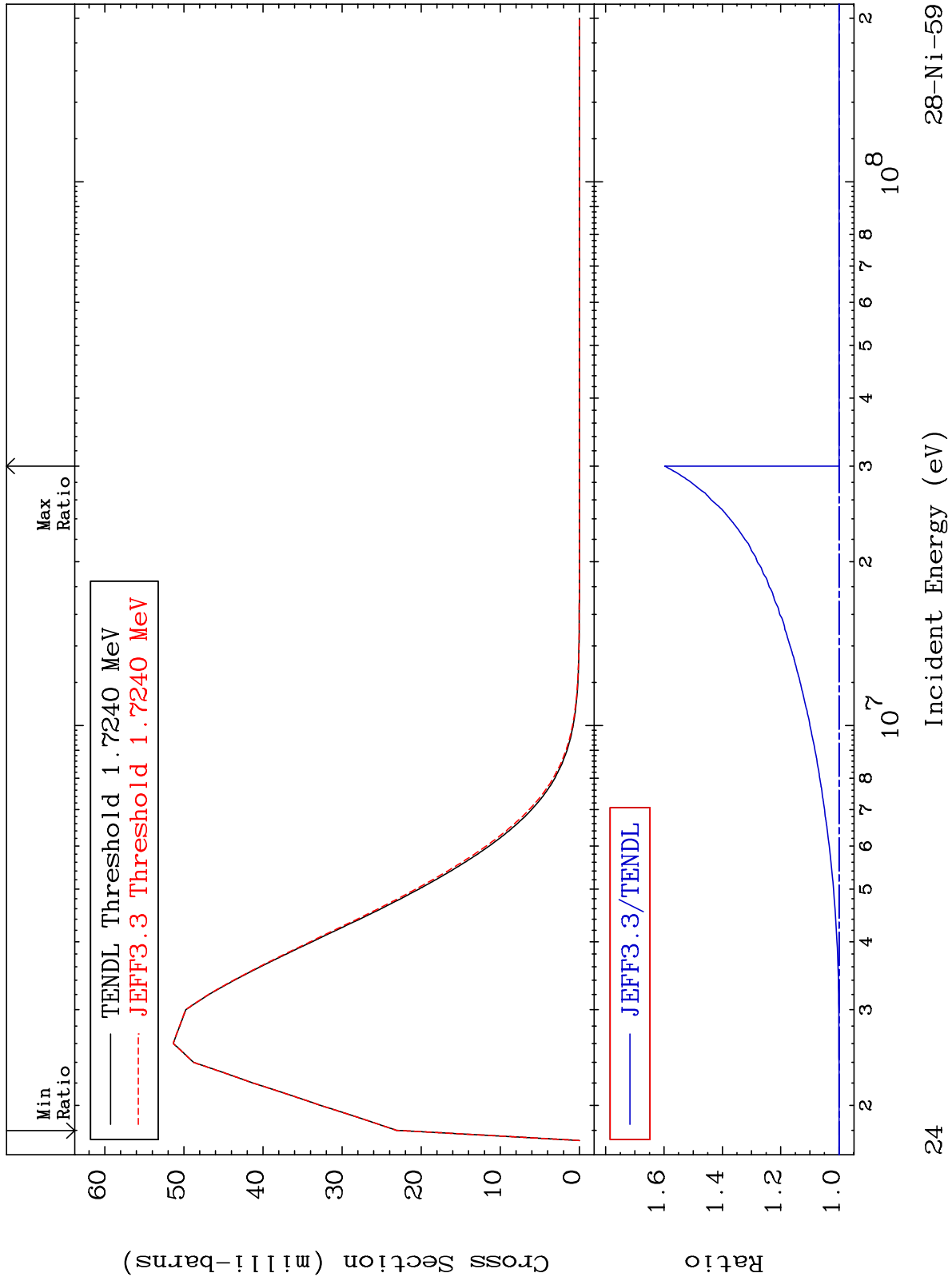








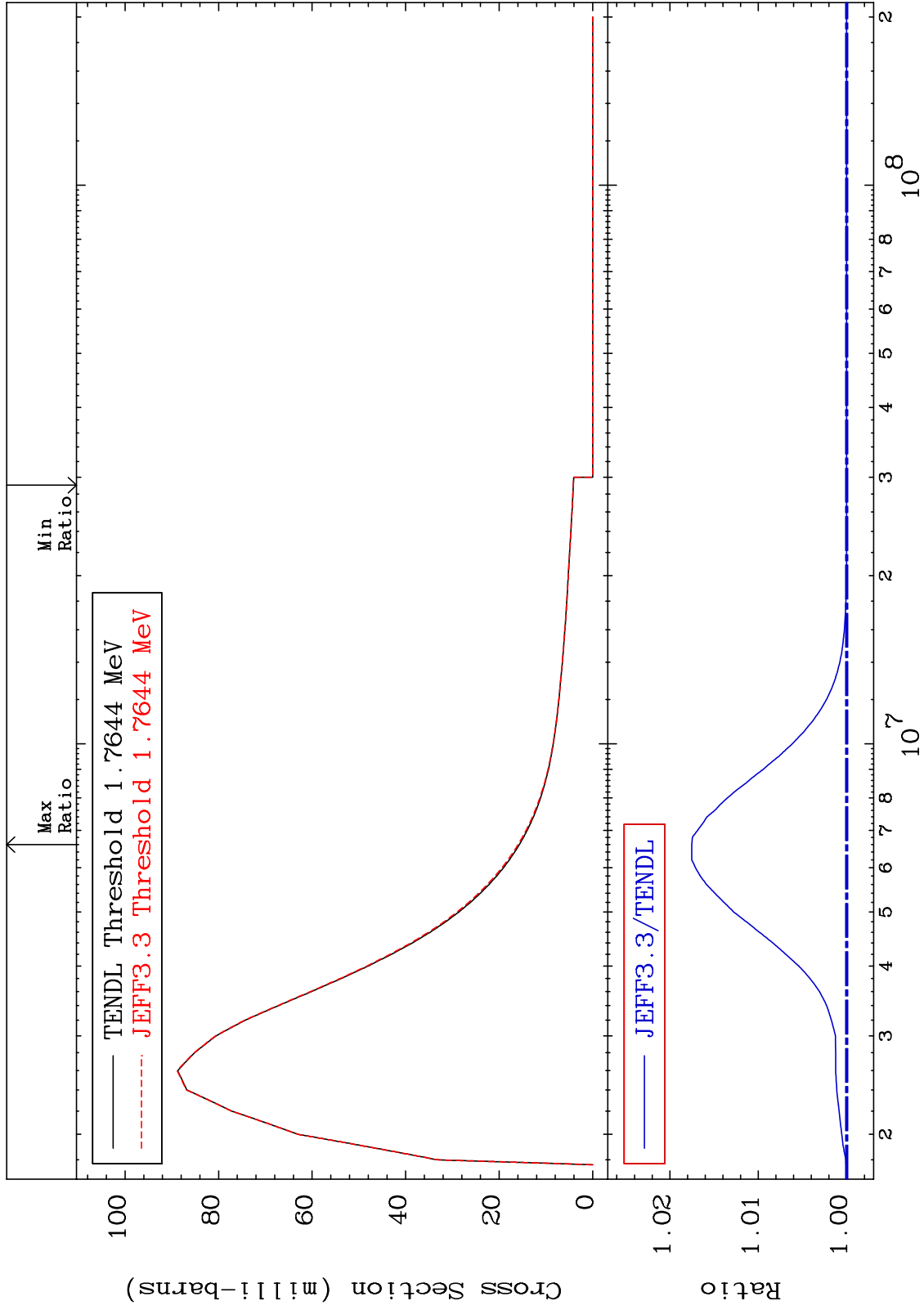
MAT 2828 MT= 58 (n,n') Level Cross Section 28-Ni-59
 -0.027 To 59.76 %



MAT 2828

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

28-Ni-59
0.000 To 1.752 %



25

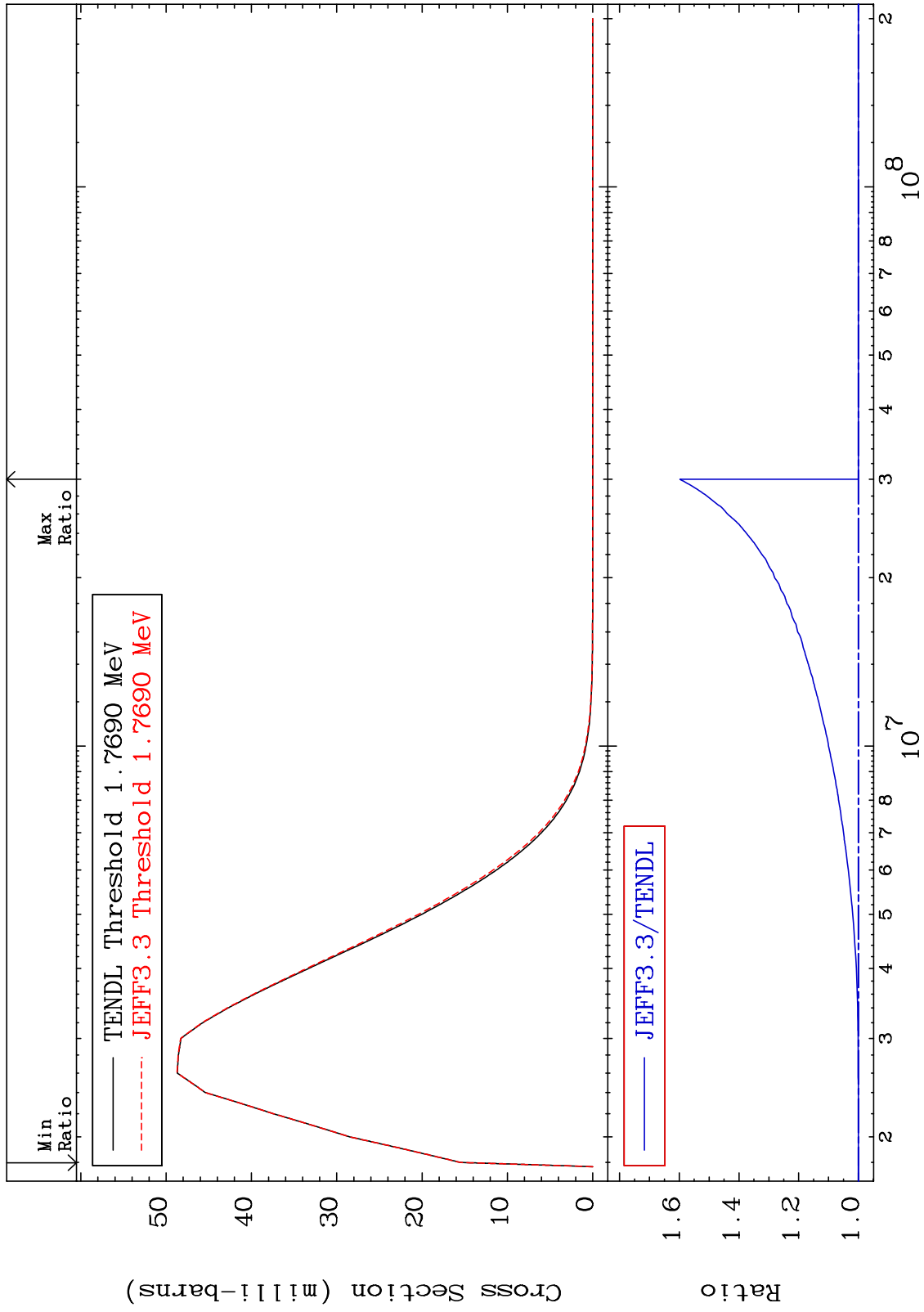
Incident Energy (eV)

28-Ni-59

MAT 2828

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

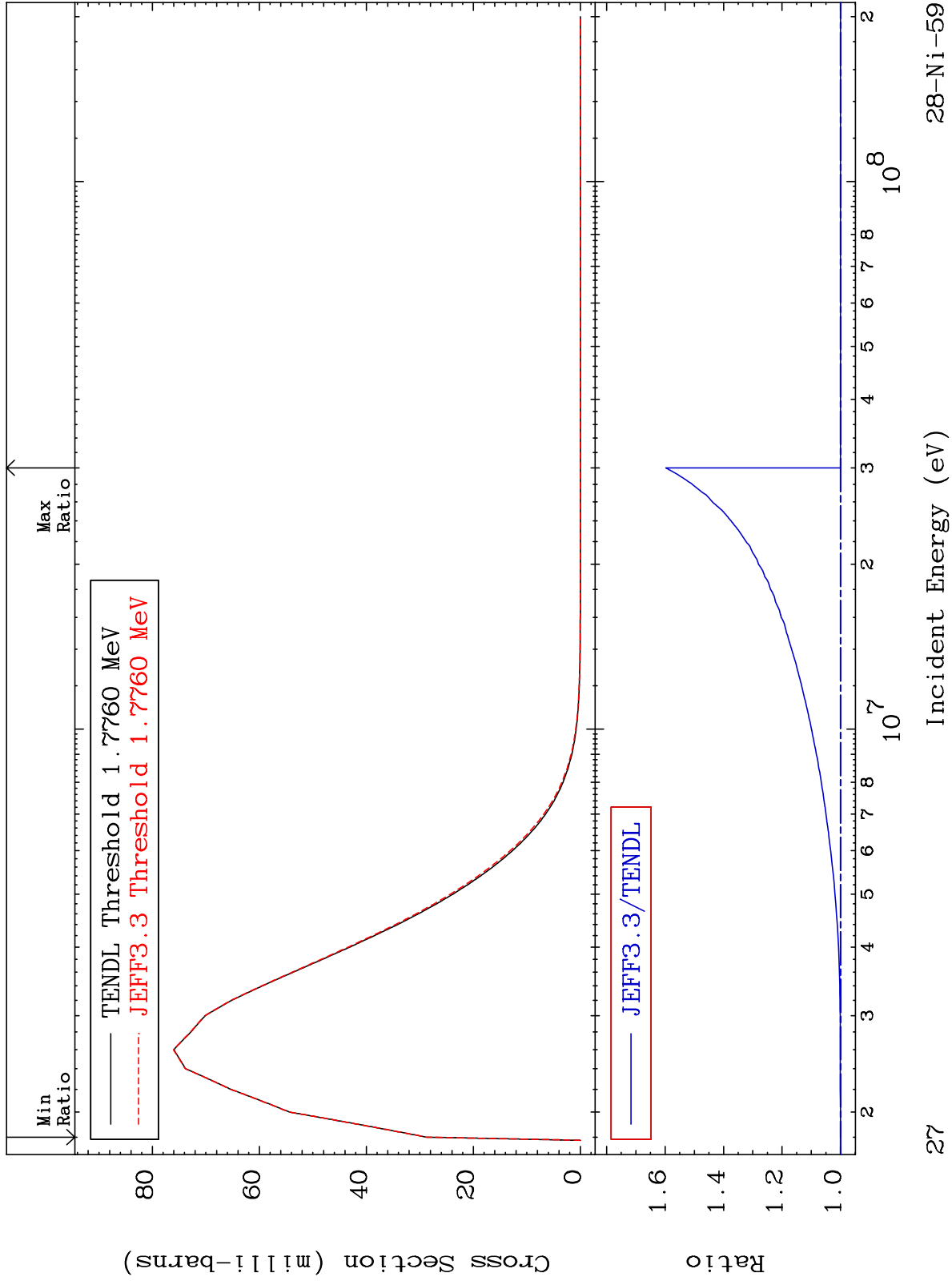
28-Ni-59
-0.015 To 59.76 %



MAT 2828

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

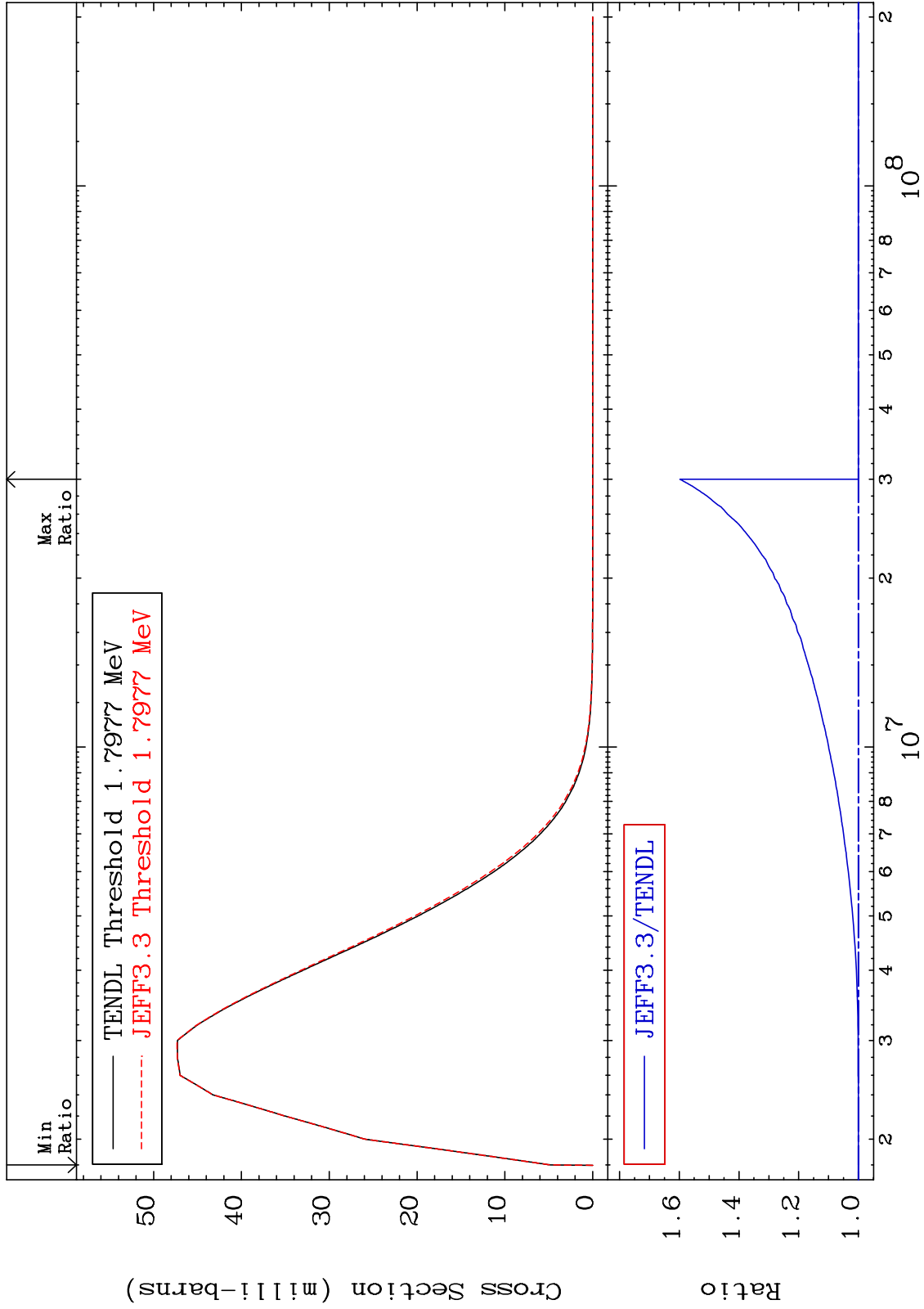
28-Ni-59
-0.004 To 59.74 %



MAT 2828

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

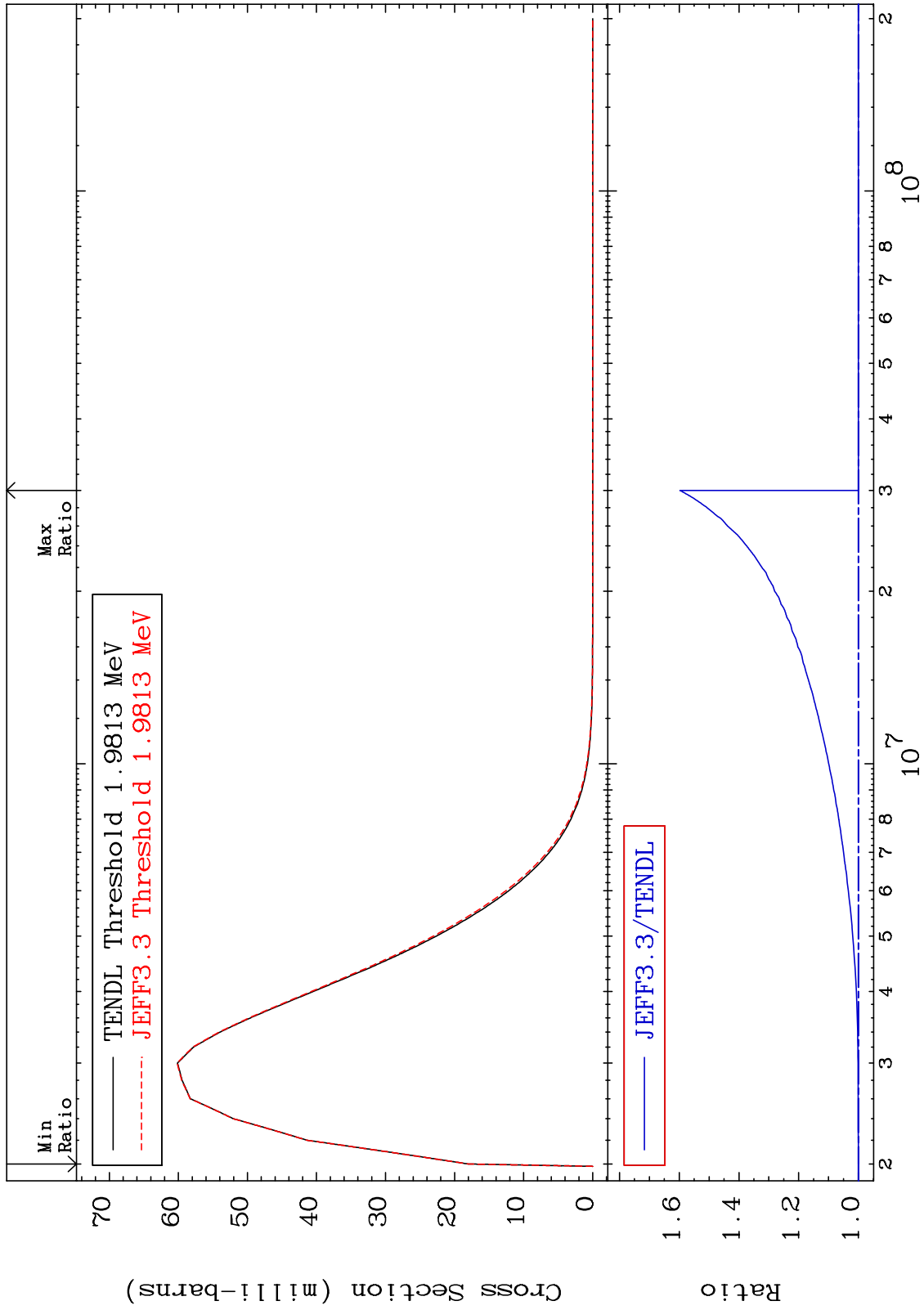
28-Ni-59
-0.007 To 59.76 %



28

28-Ni-59

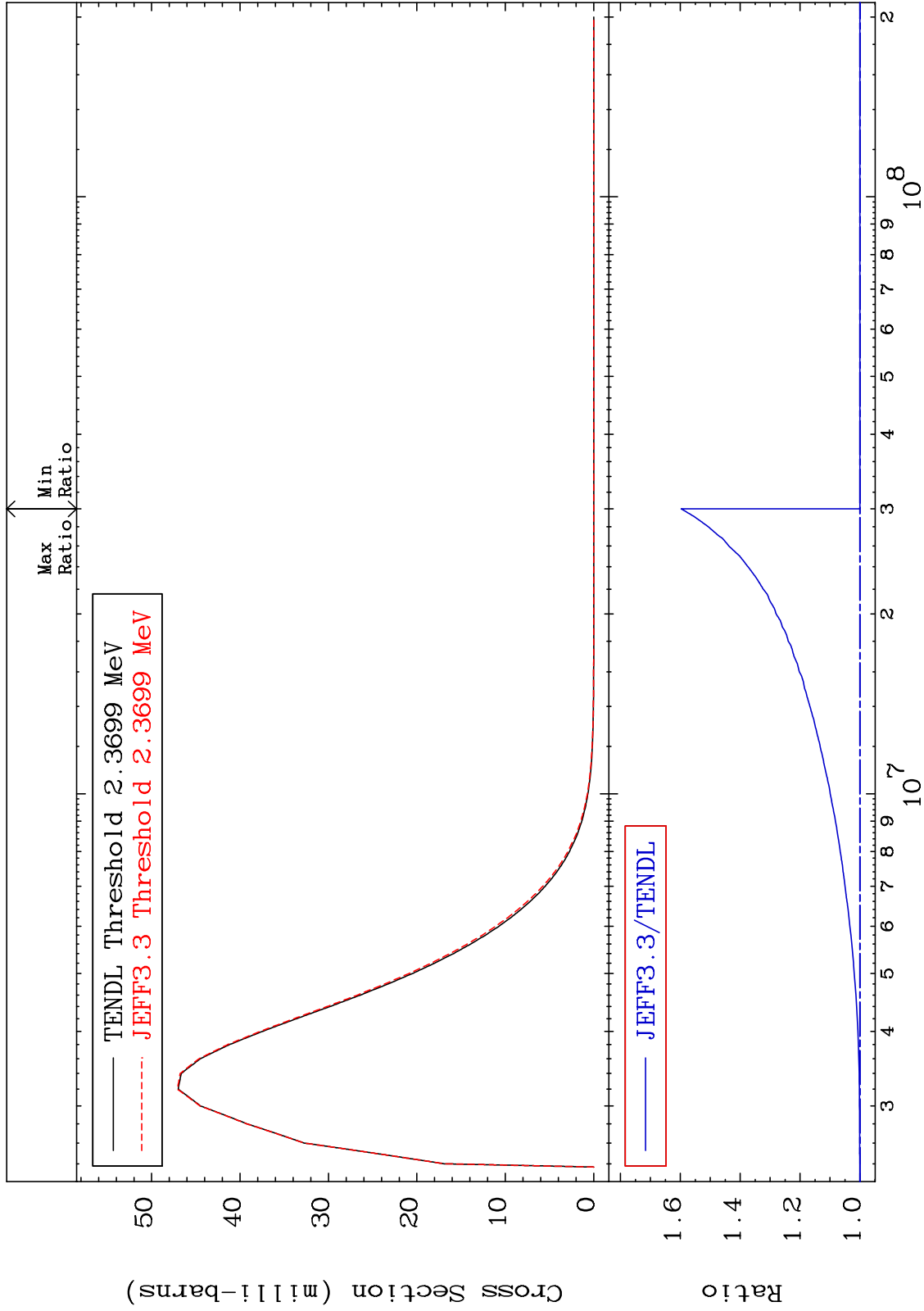
MAT 2828 MT= 63 (n,n') Level 28-Ni-59
 Cross Section -0.001 To 59.74 %



MAT 2828

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

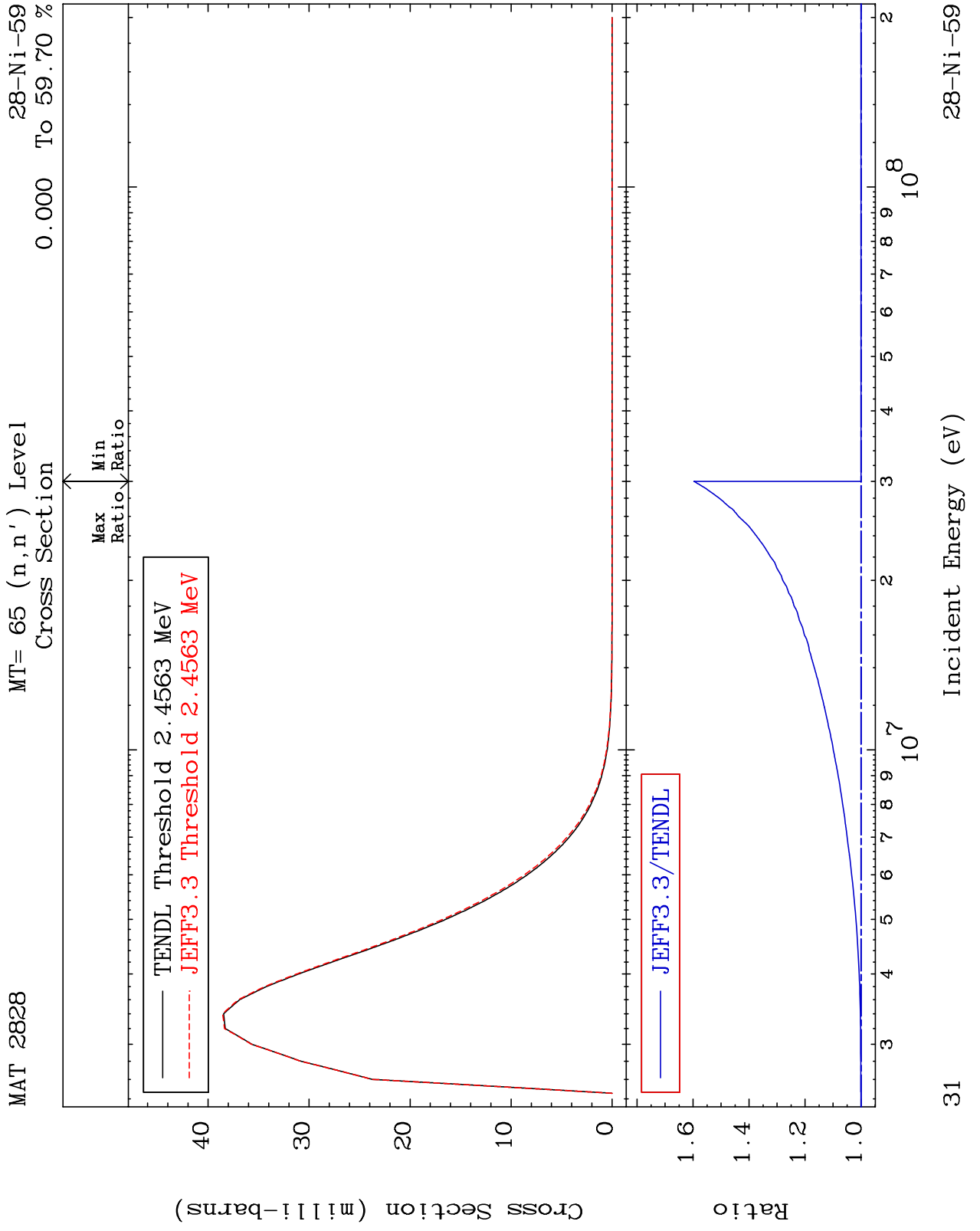
28-Ni-59
0.000 To 59.72 %



30

Incident Energy (eV)

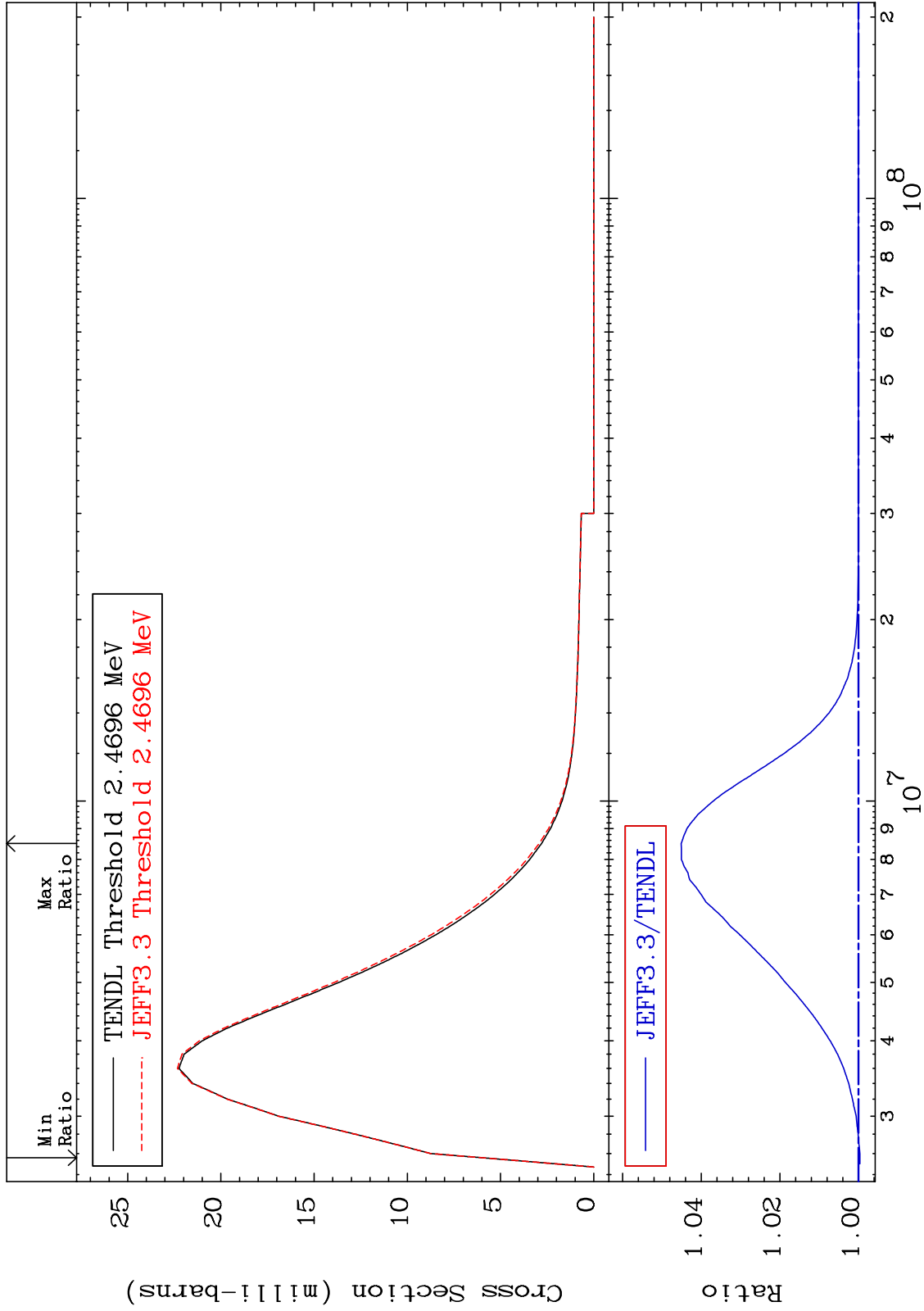
28-Ni-59



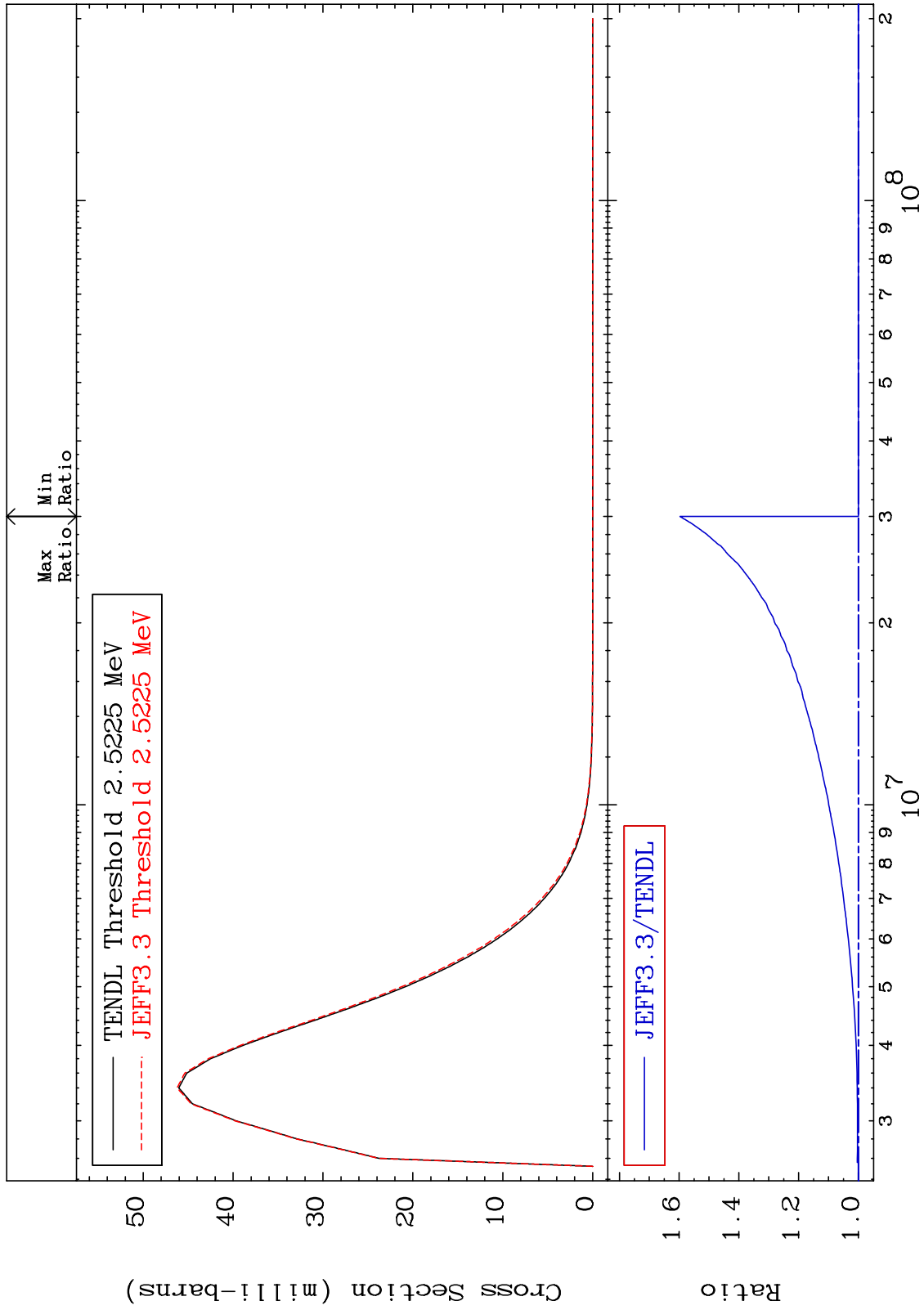
MAT 2828

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

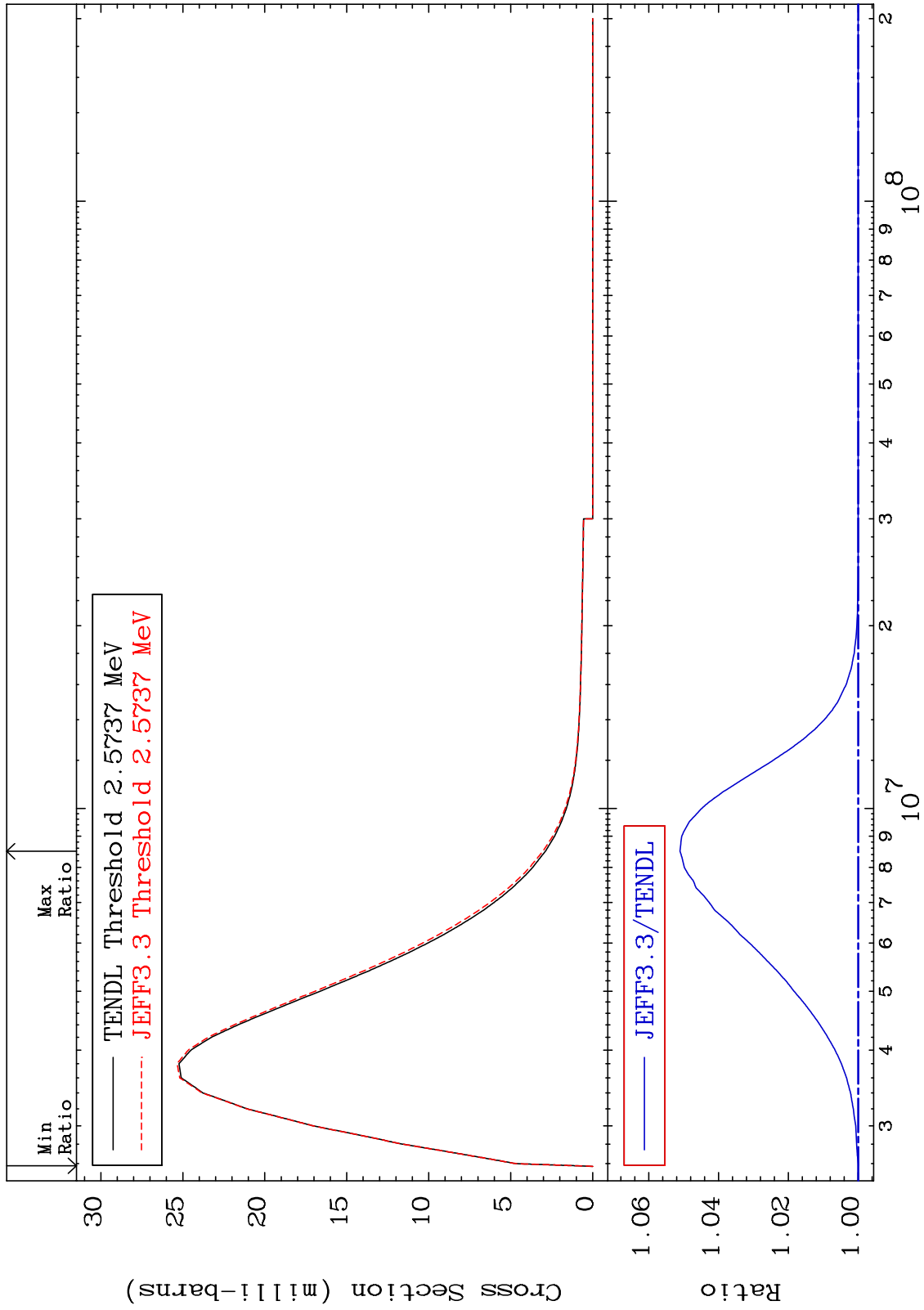
28-Ni-59
-0.038 To 4.510 %



MAT 2828 MT= 67 (n, n') Level Cross Section 28-Ni-59 To 59.72 %



MAT 2828 MT= 68 (n,n') Level
Cross Section 28-Ni-59
-0.005 To 5.105 %



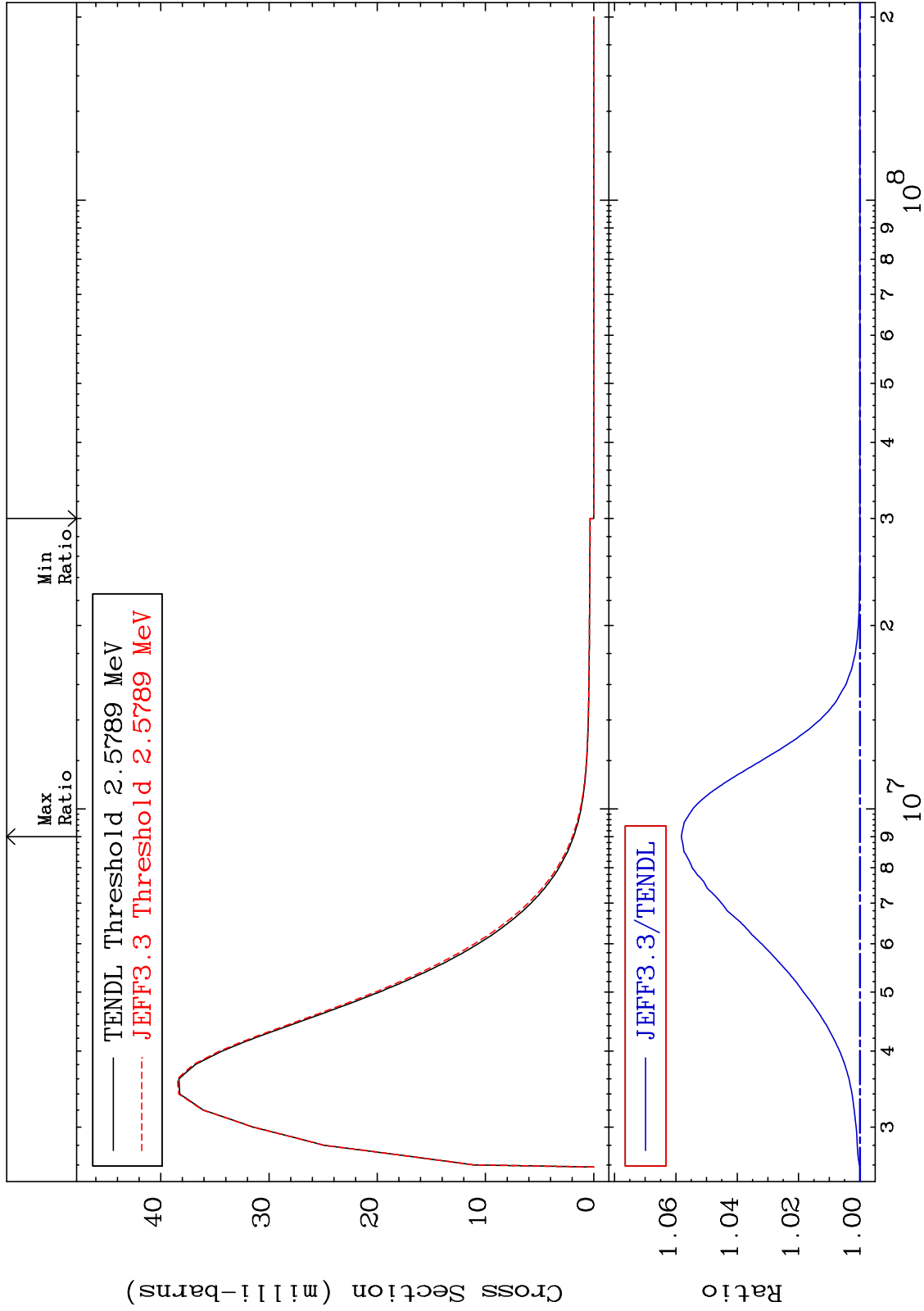
28-Ni-59

Incident Energy (eV)

MAT 2828

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

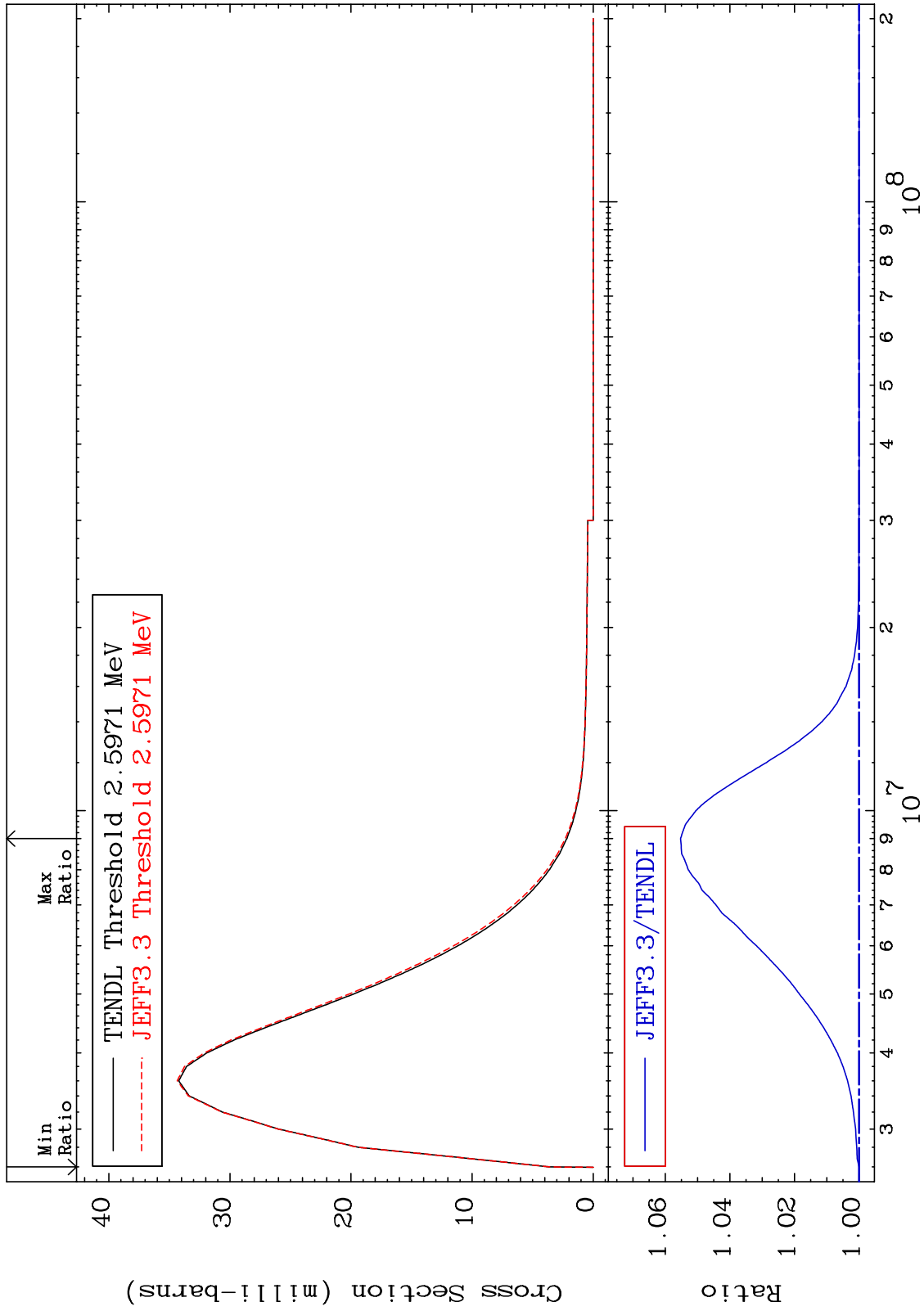
28-Ni-59
0.000 To 5.826 %



MAT 2828

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

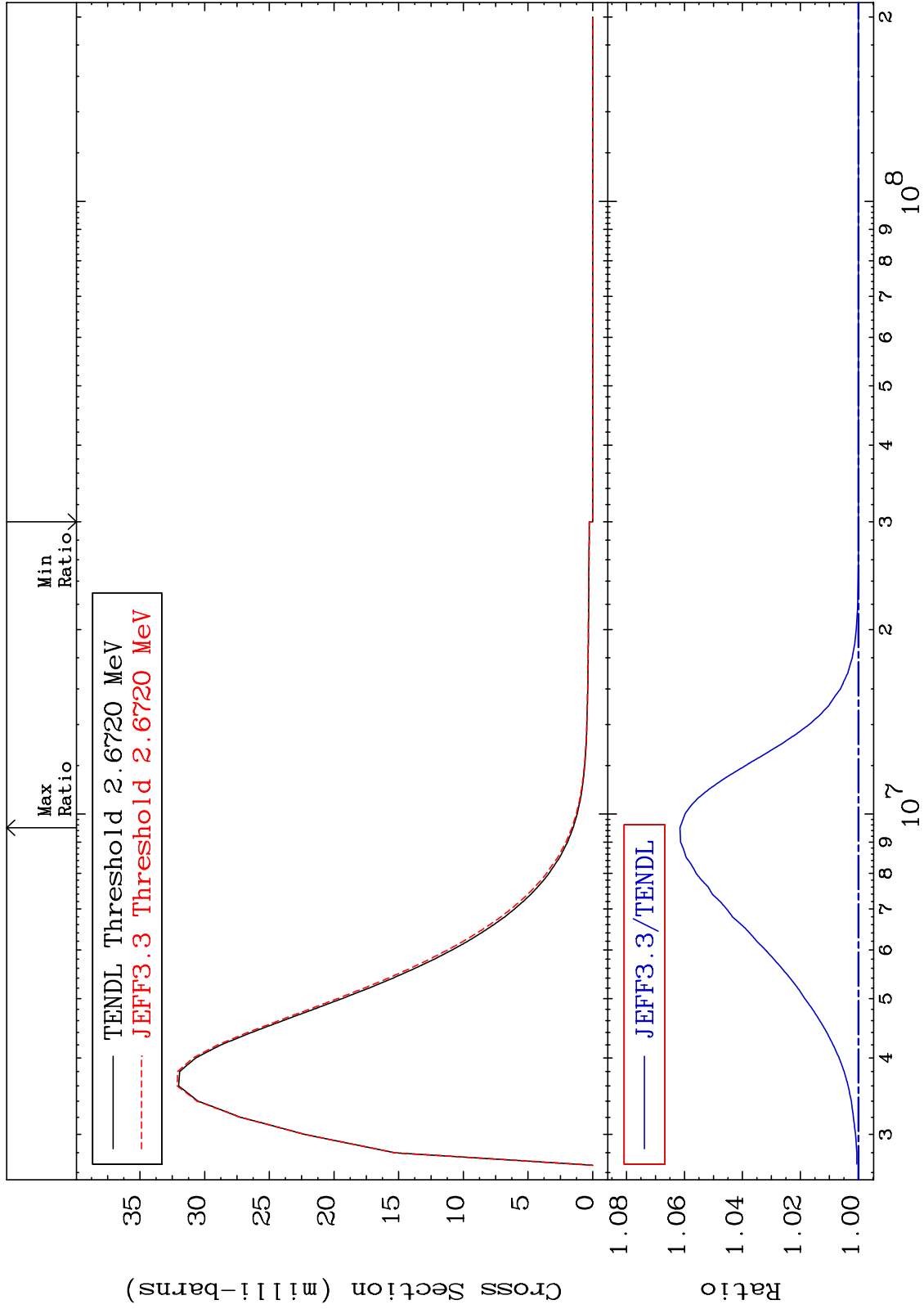
28-Ni-59
-0.005 To 5.523 %



MAT 2828

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

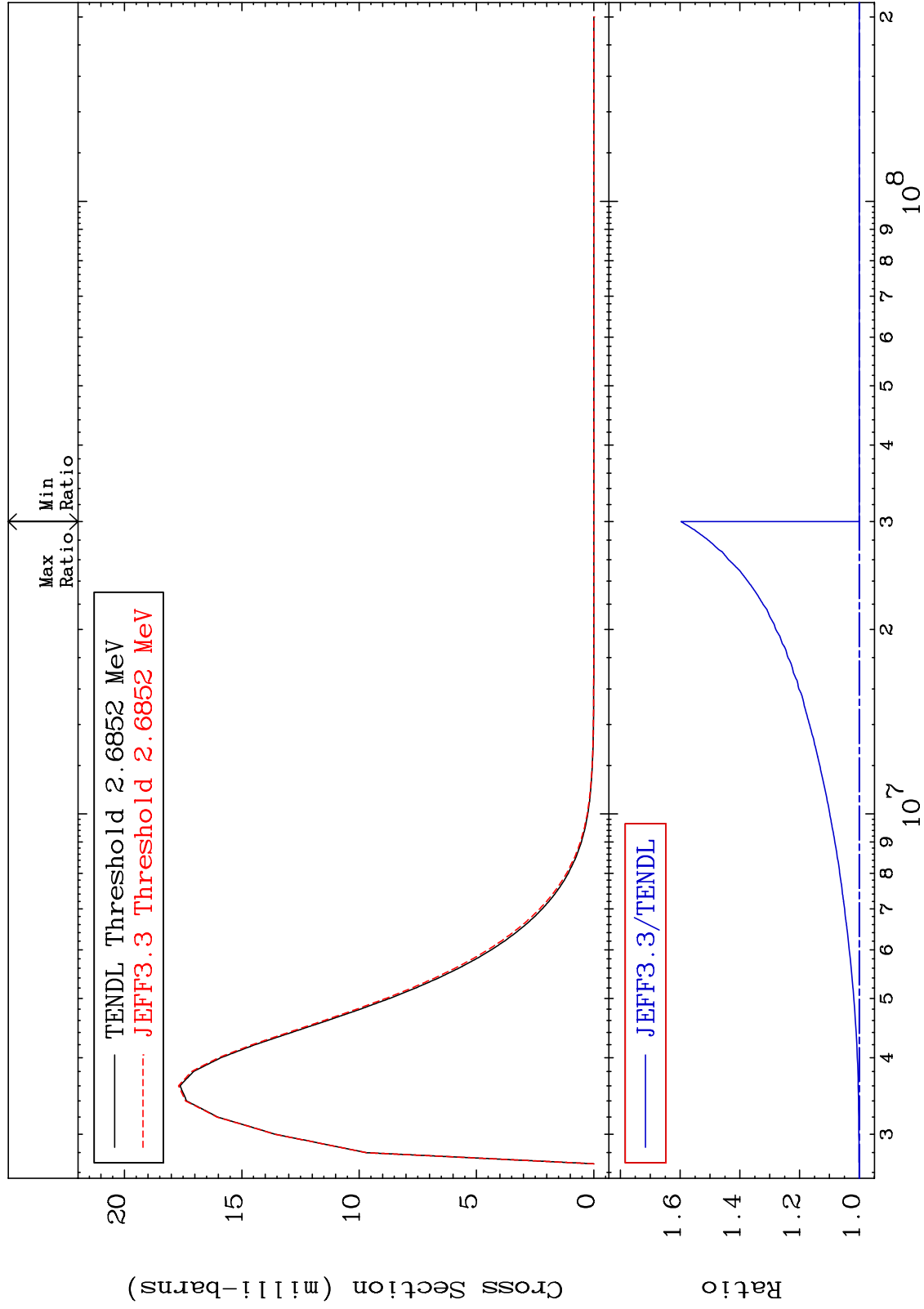
28-Ni-59
0.000 To 6.153 %



MAT 2828

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

28-Ni-59
0.000 To 59.69 %



38

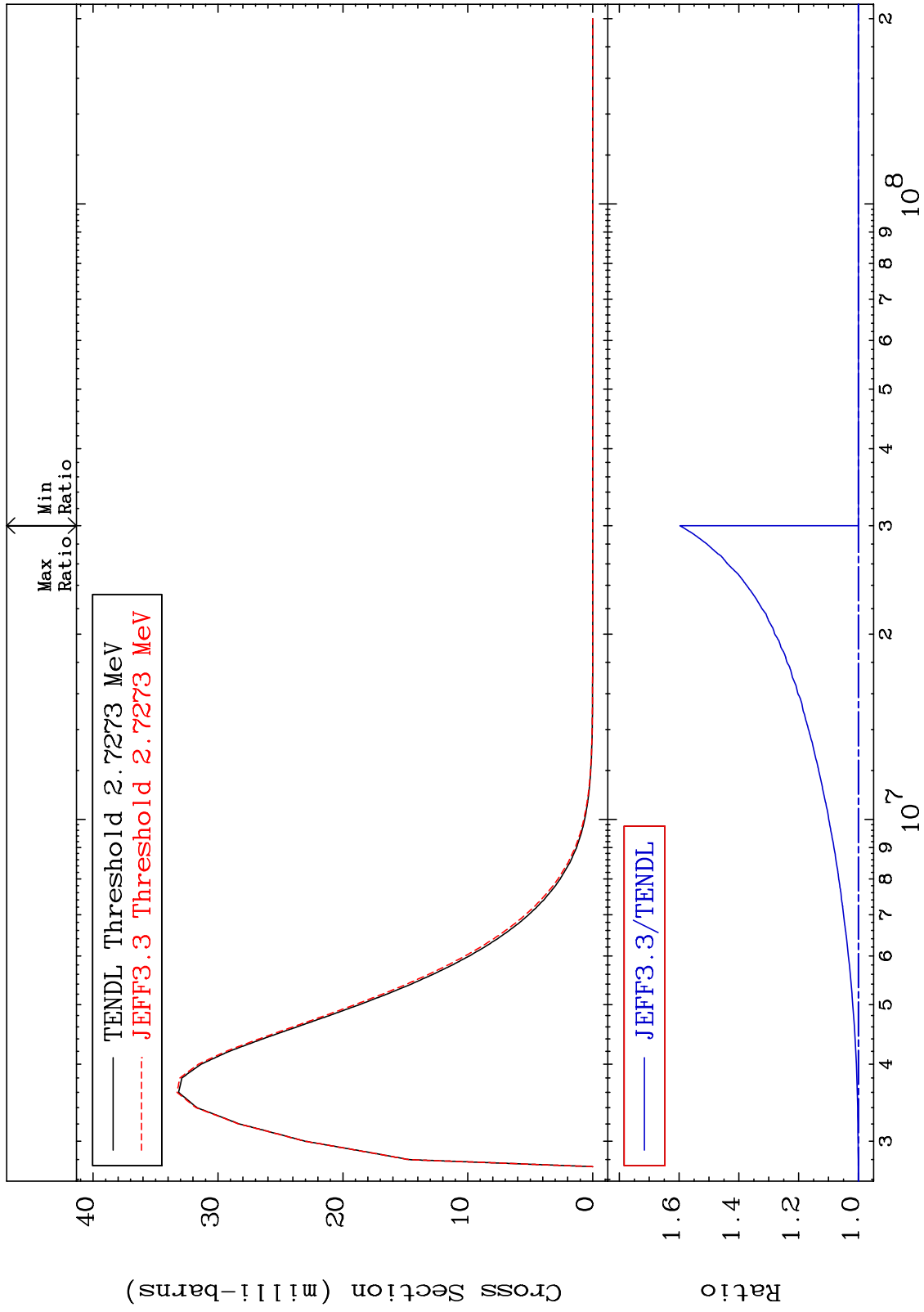
Incident Energy (eV)

28-Ni-59

MAT 2828

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

28-Ni-59
0.000 To 59.71 %



39

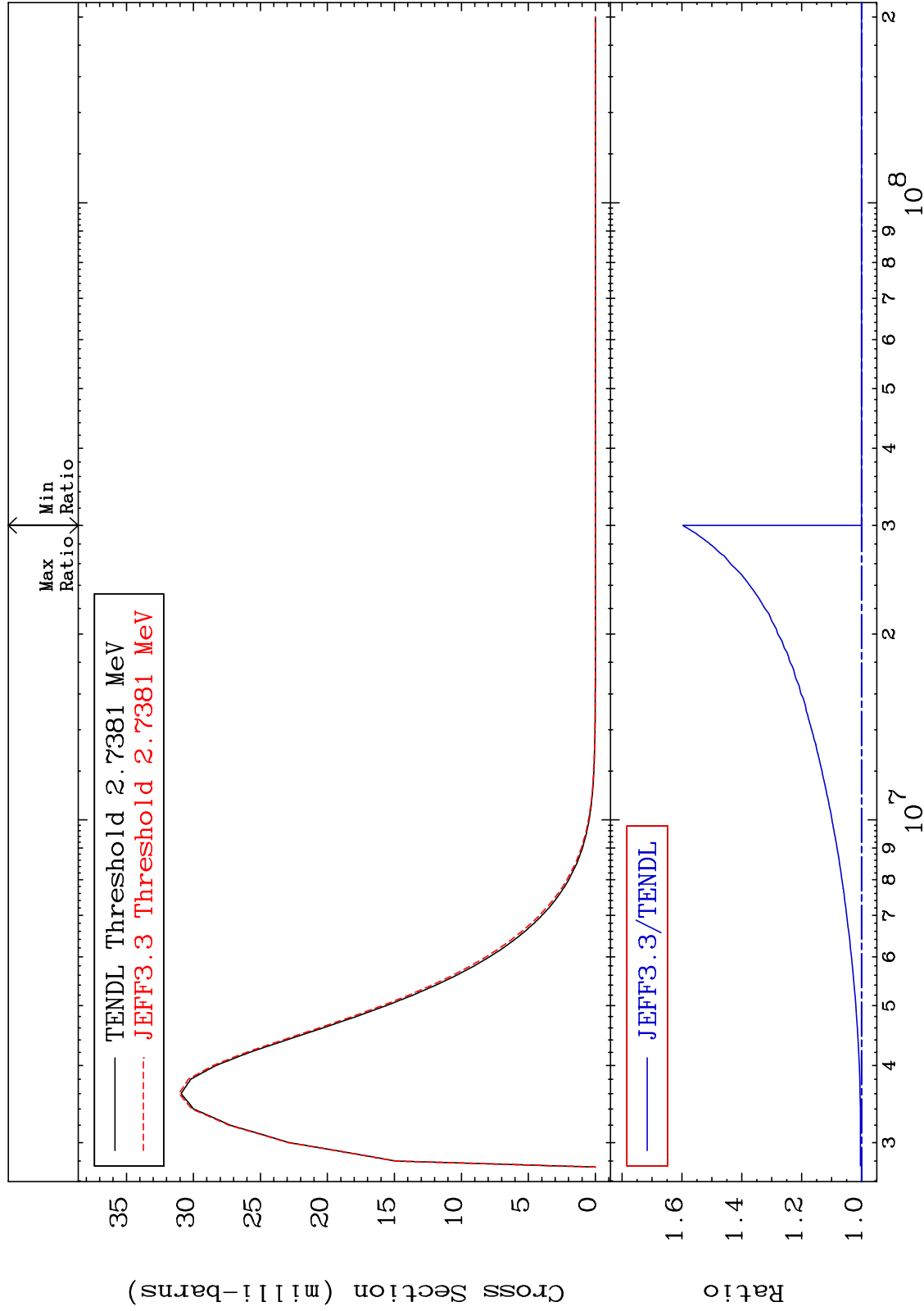
Incident Energy (eV)

28-Ni-59

MAT 2828

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

28-Ni-59
0.000 To 59.70 %



40

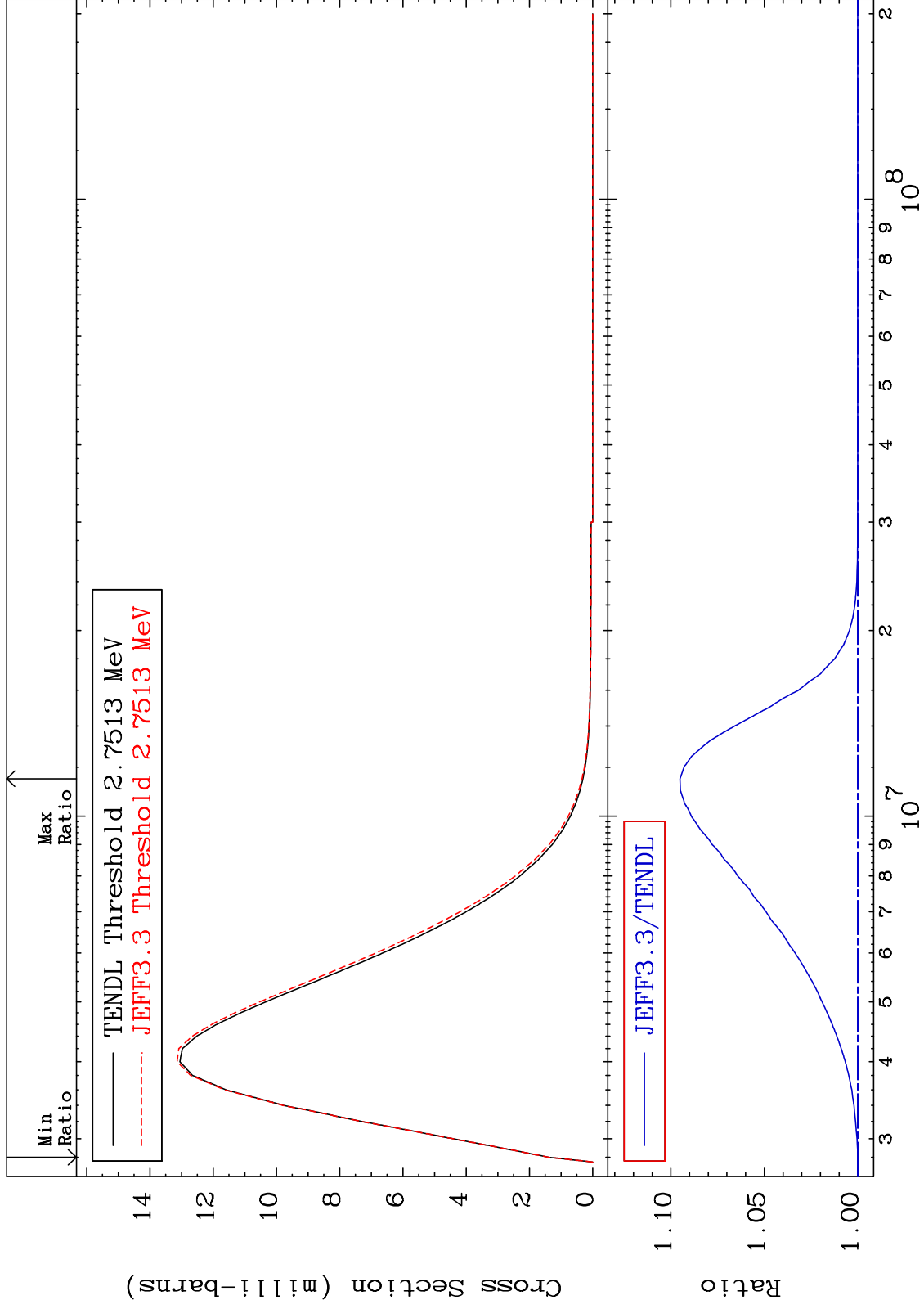
Incident Energy (eV)

28-Ni-59

MAT 2828

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

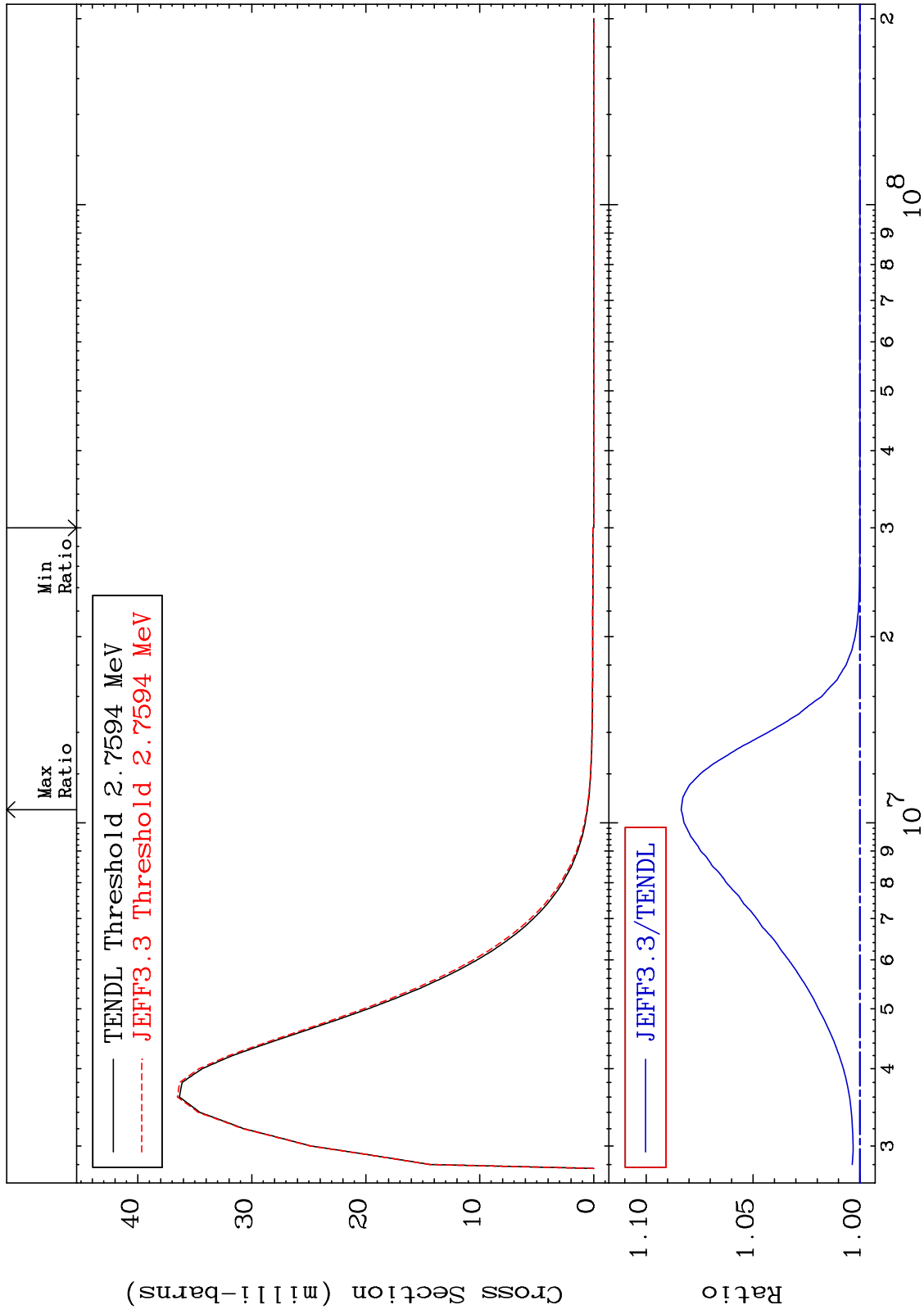
28-Ni-59
-0.033 To 9.509 %



MAT 2828

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

28-Ni-59
0.000 To 8.361 %



42

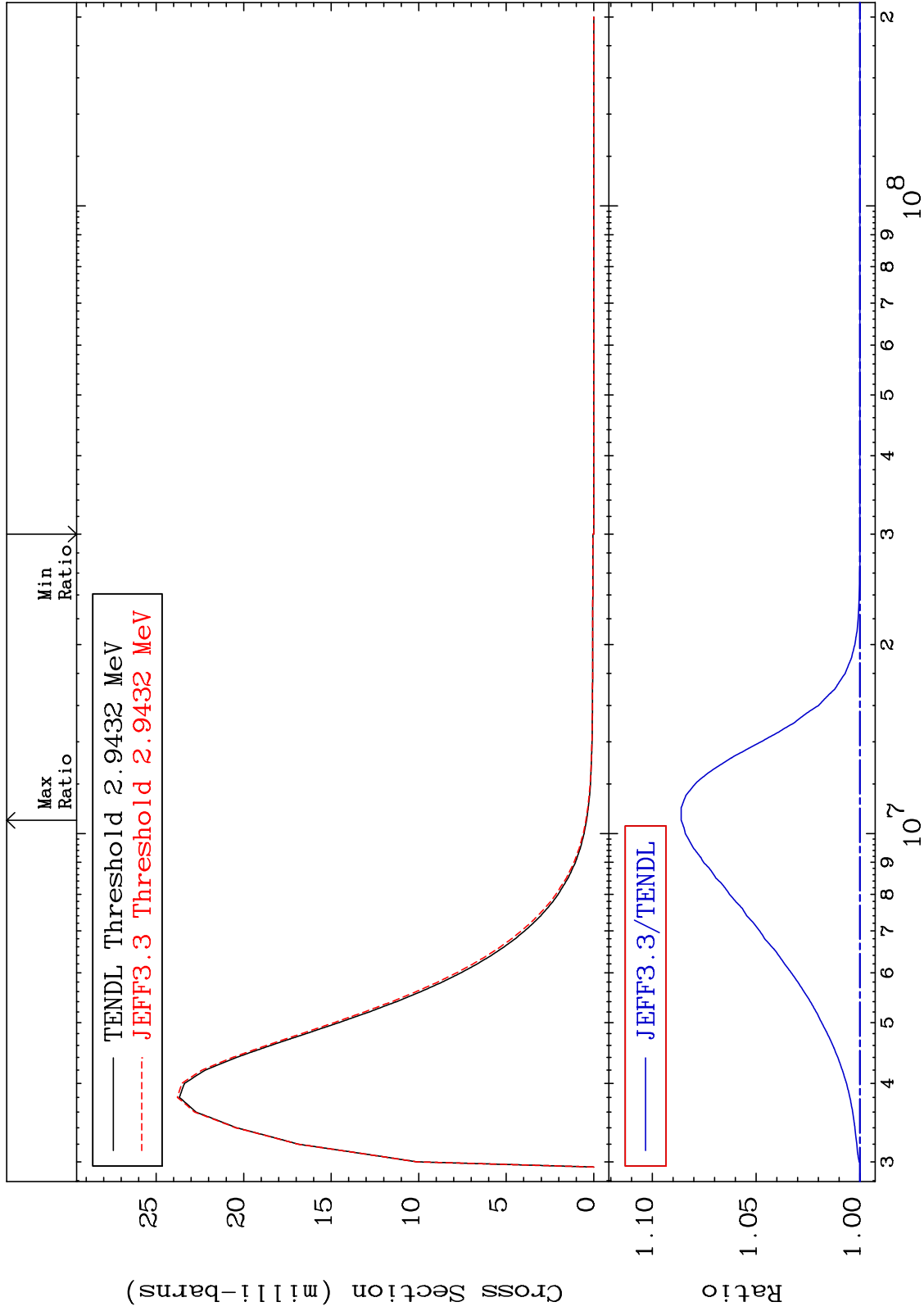
Incident Energy (eV)

28-Ni-59

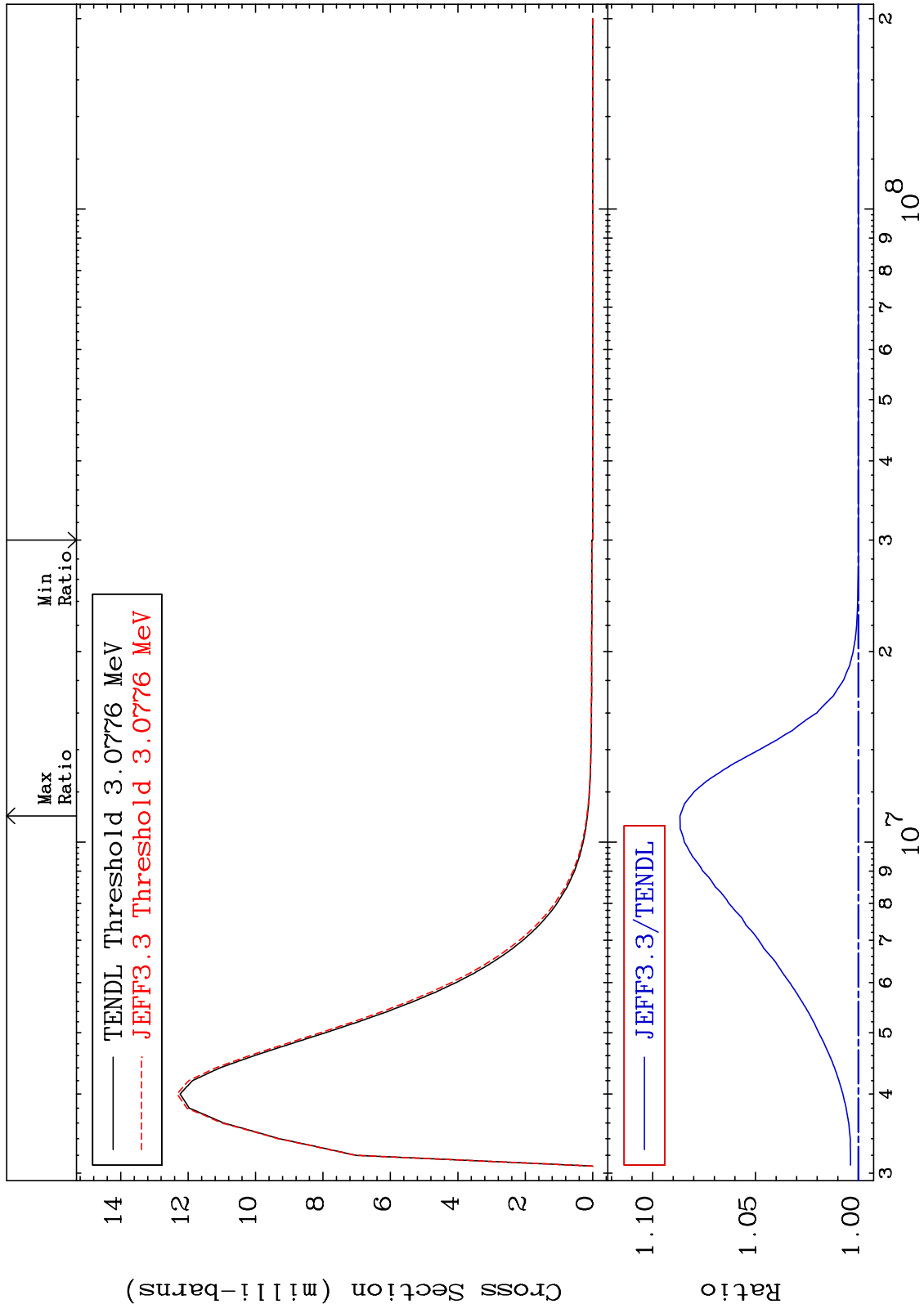
MAT 2828

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

28-Ni-59
0.000 To 8.611 %



MAT 2828 MT= 78 (n,n') Level Cross Section 28-Ni-59
 0.000 To 8.667 %

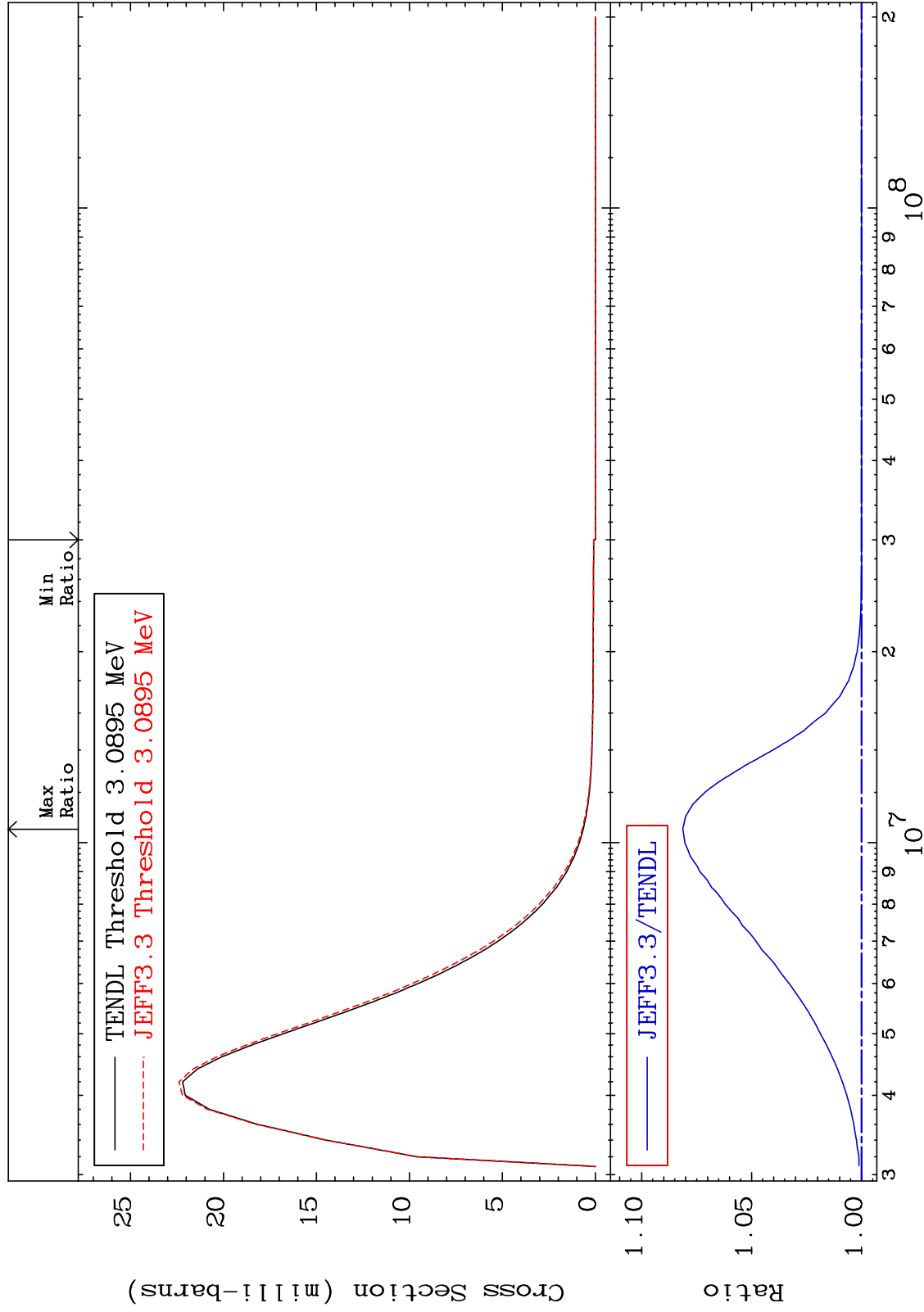


Incident Energy (eV) 28-Ni-59

MAT 2828

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

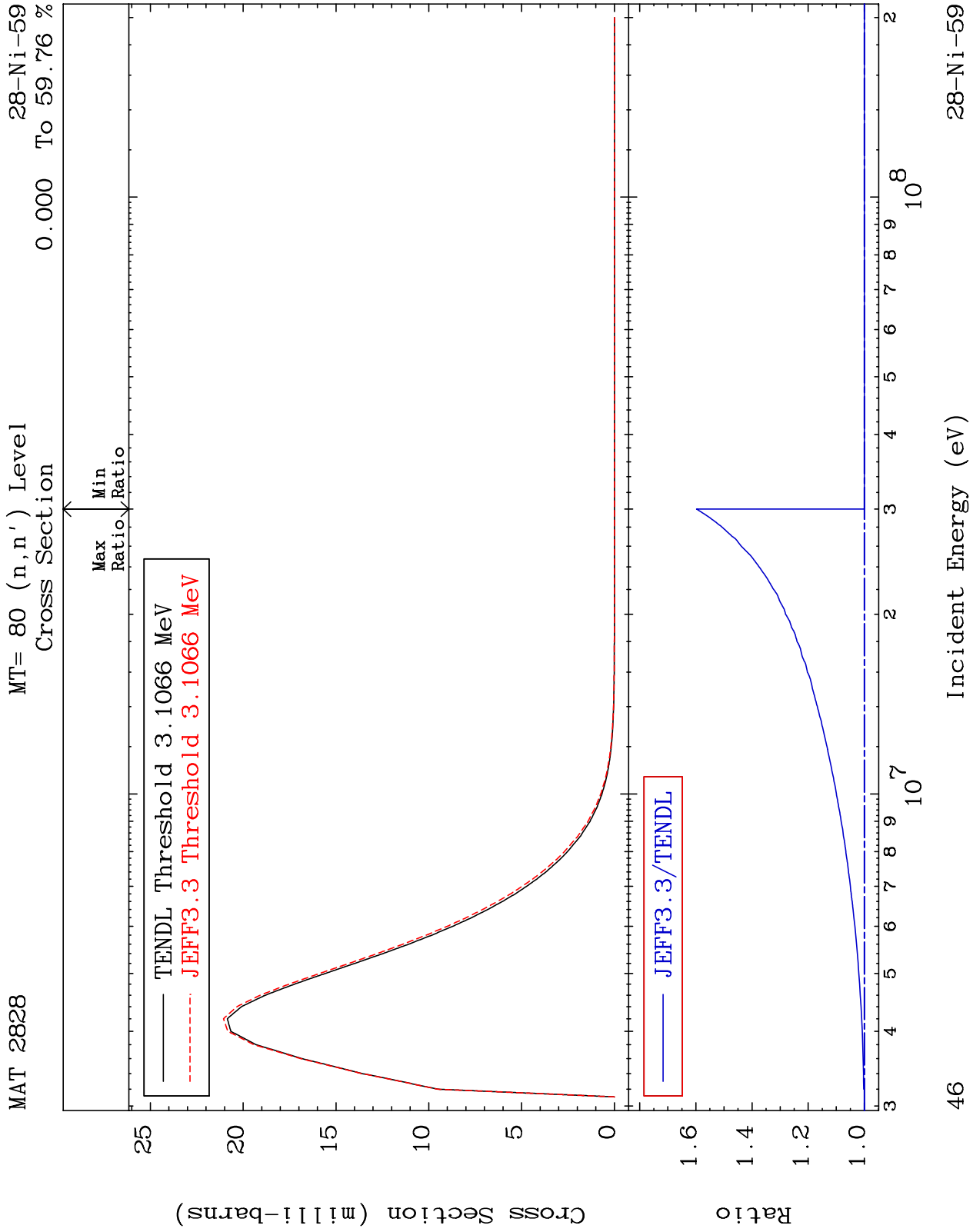
28-Ni-59
0.000 To 8.128 %



45

Incident Energy (eV)

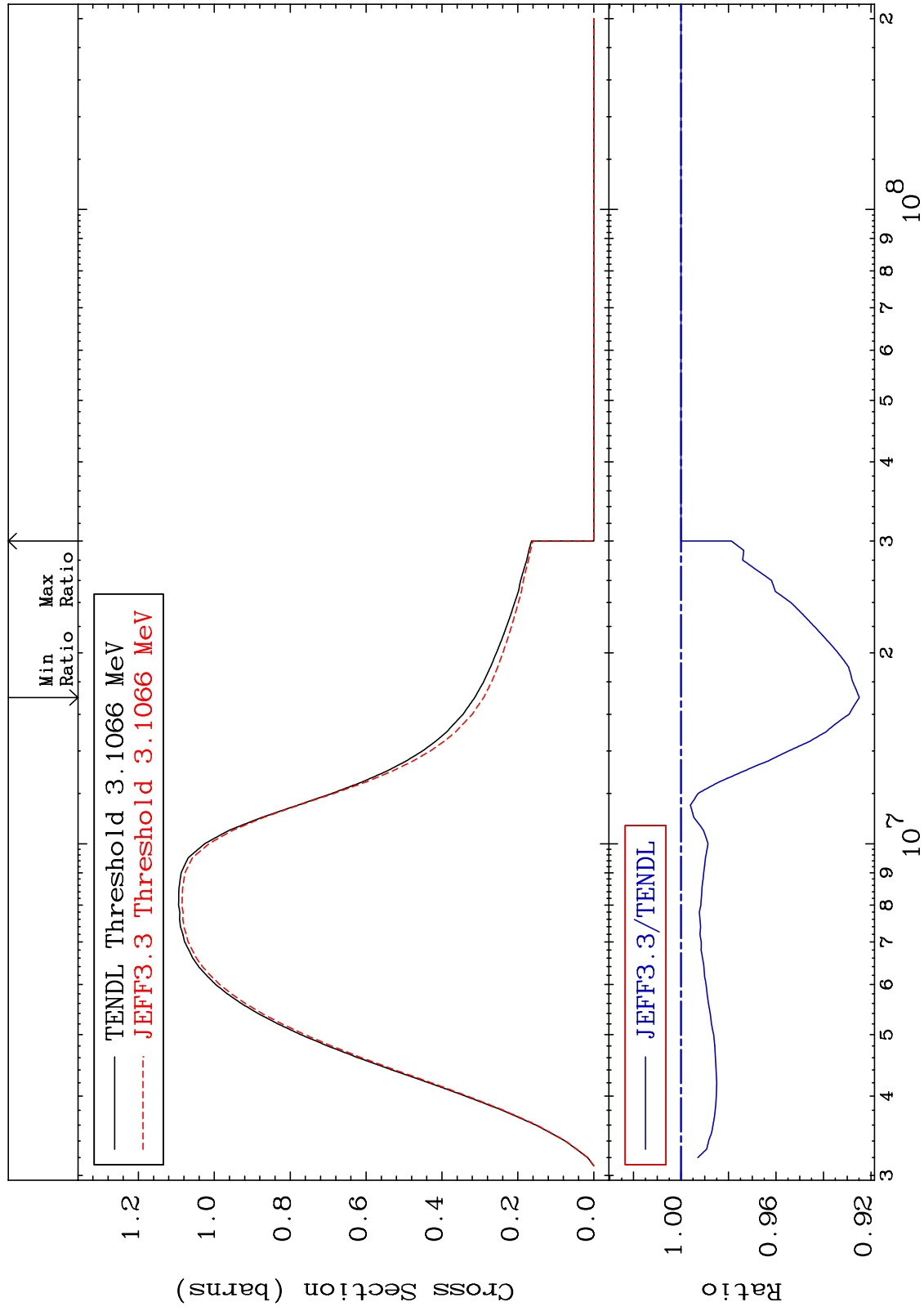
28-Ni-59



MAT 2828

(n, n') Continuum
Cross Section

28-Ni-59
-7.508 To 0.000 %



47

Incident Energy (eV)

28-Ni-59

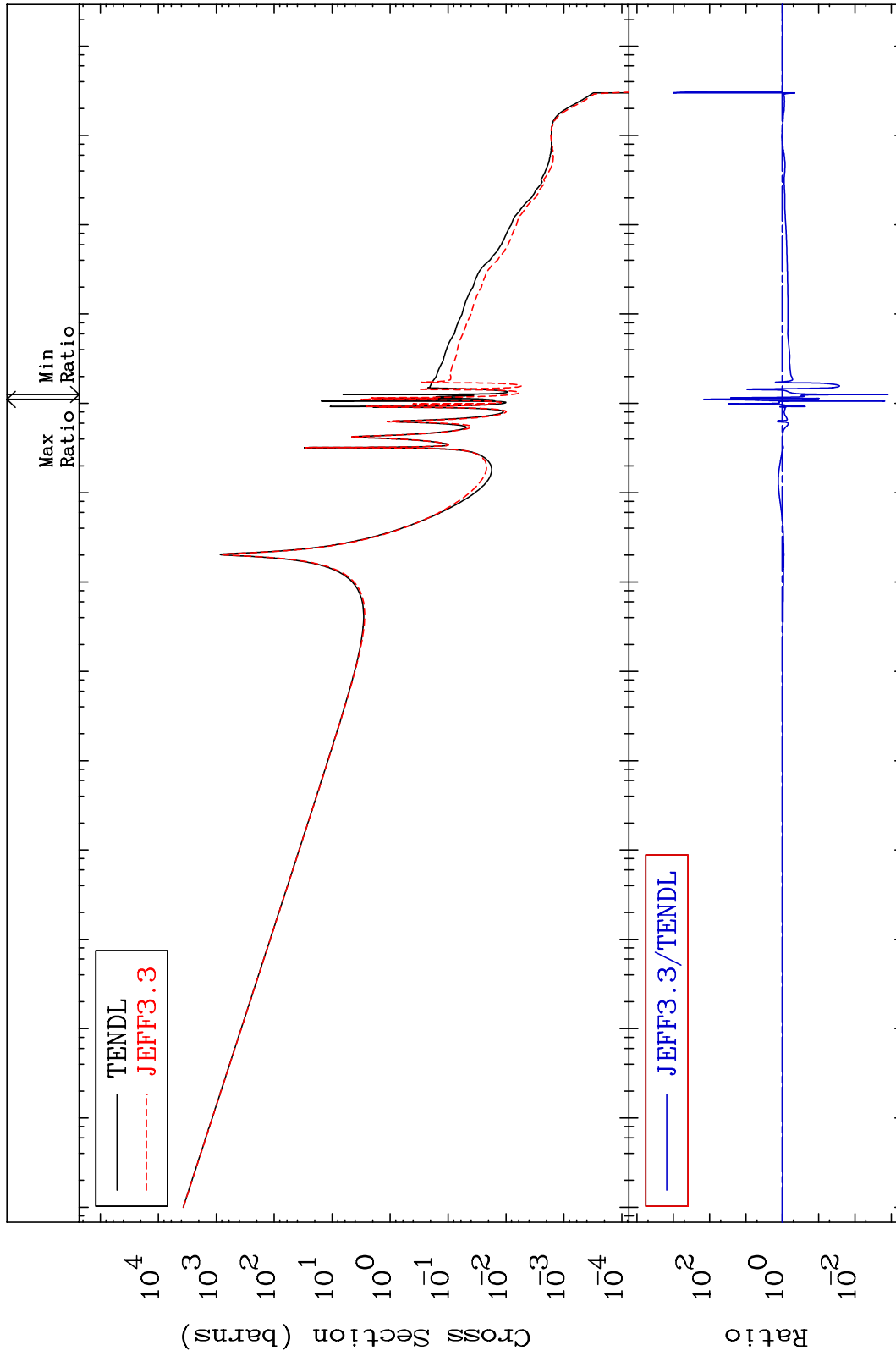
MAT 2828

(n, γ)

28-Ni-59

Cross Section

-99.88 To 9999. %



Incident Energy (eV)

48

28-Ni-59

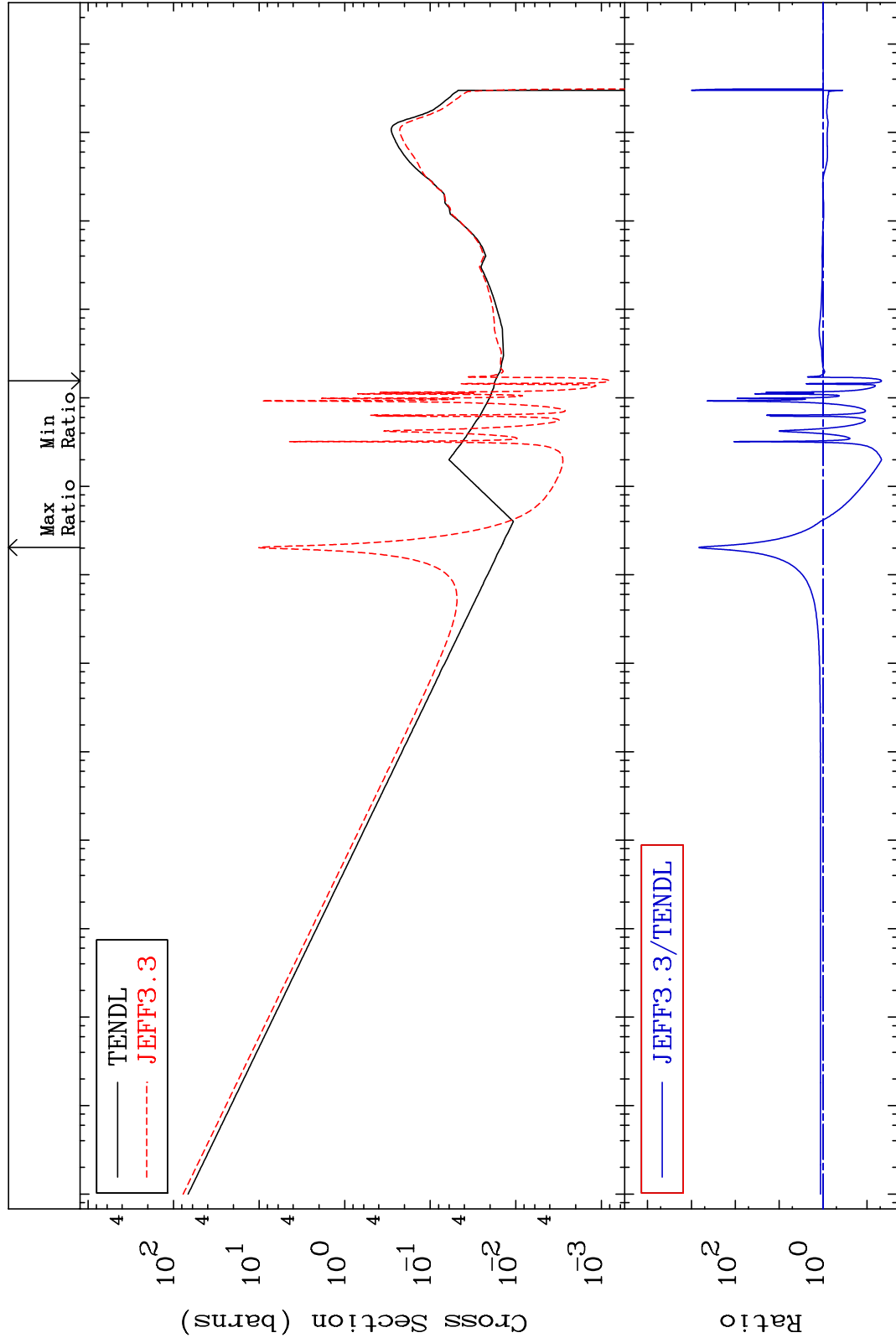
MAT 2828

(n,p)

28-Ni-59

-95.35 To 9999. %

Cross Section



Incident Energy (eV)

49

28-Ni-59

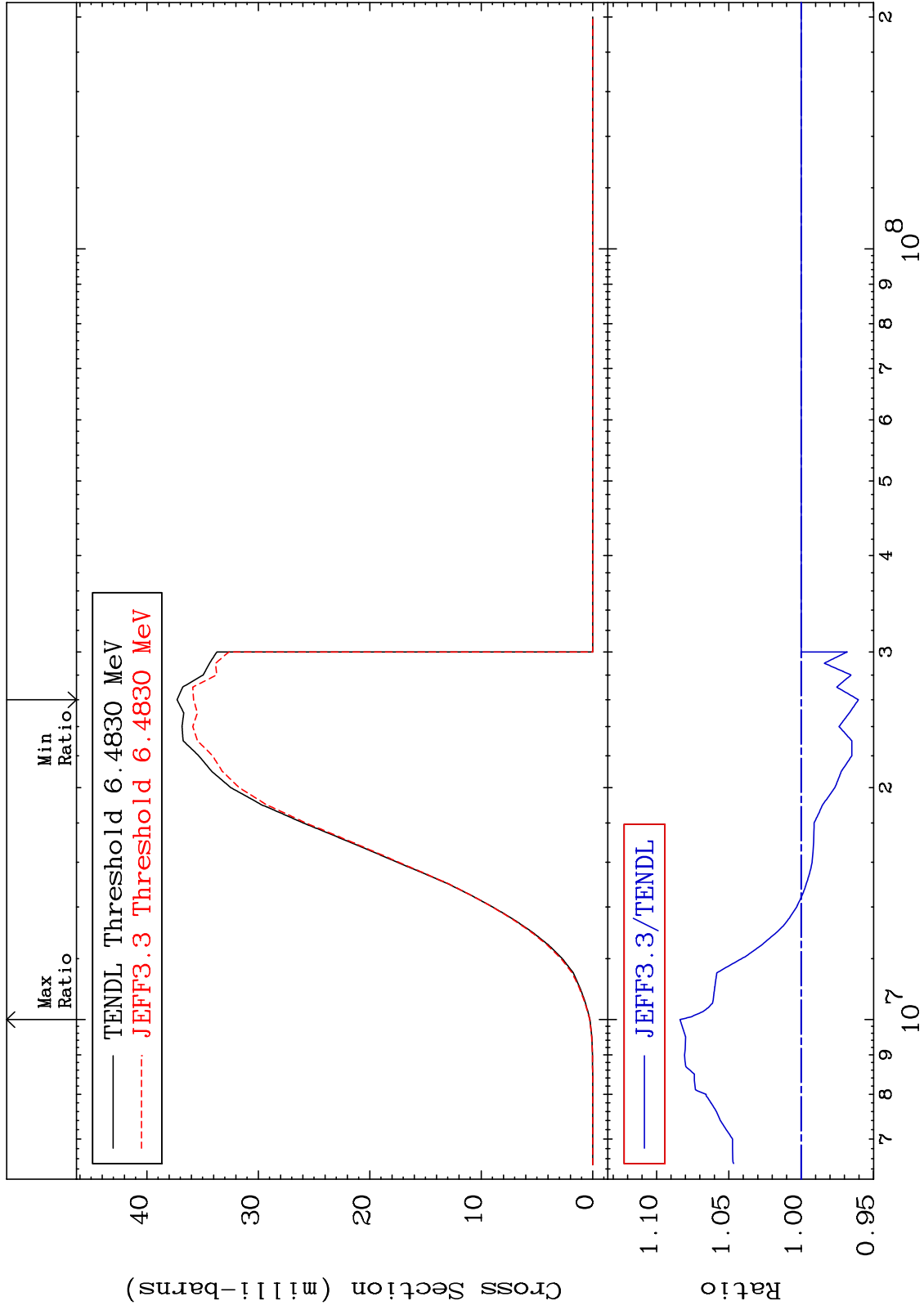
MAT 2828

(n, d)

28-Ni-59

Cross Section

-3.962 To 8.375 %

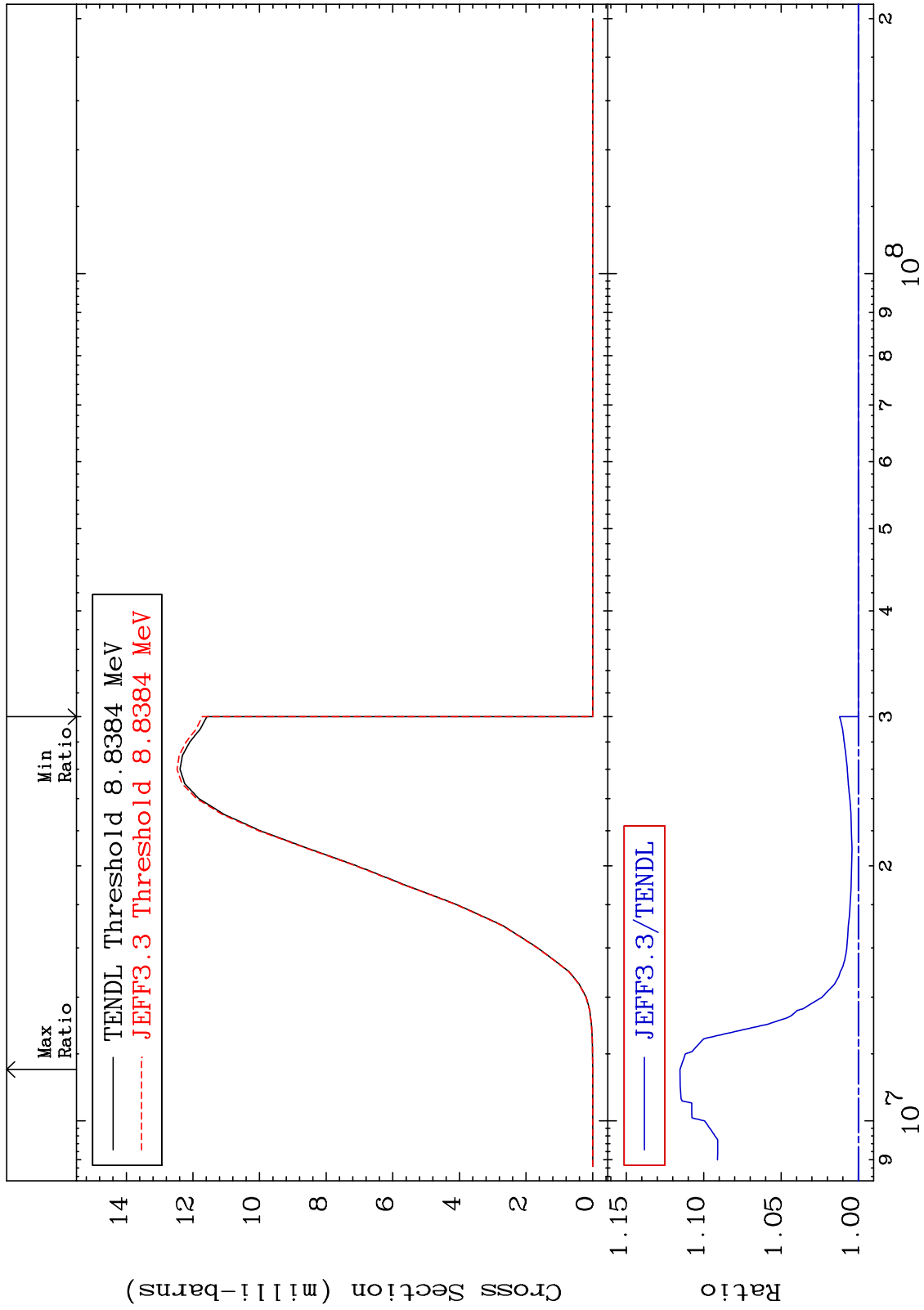


50

Incident Energy (eV)

28-Ni-59

MAT 2828 (n, t) Cross Section 28-Ni-59 To 11.53 %



51 28-Ni-59

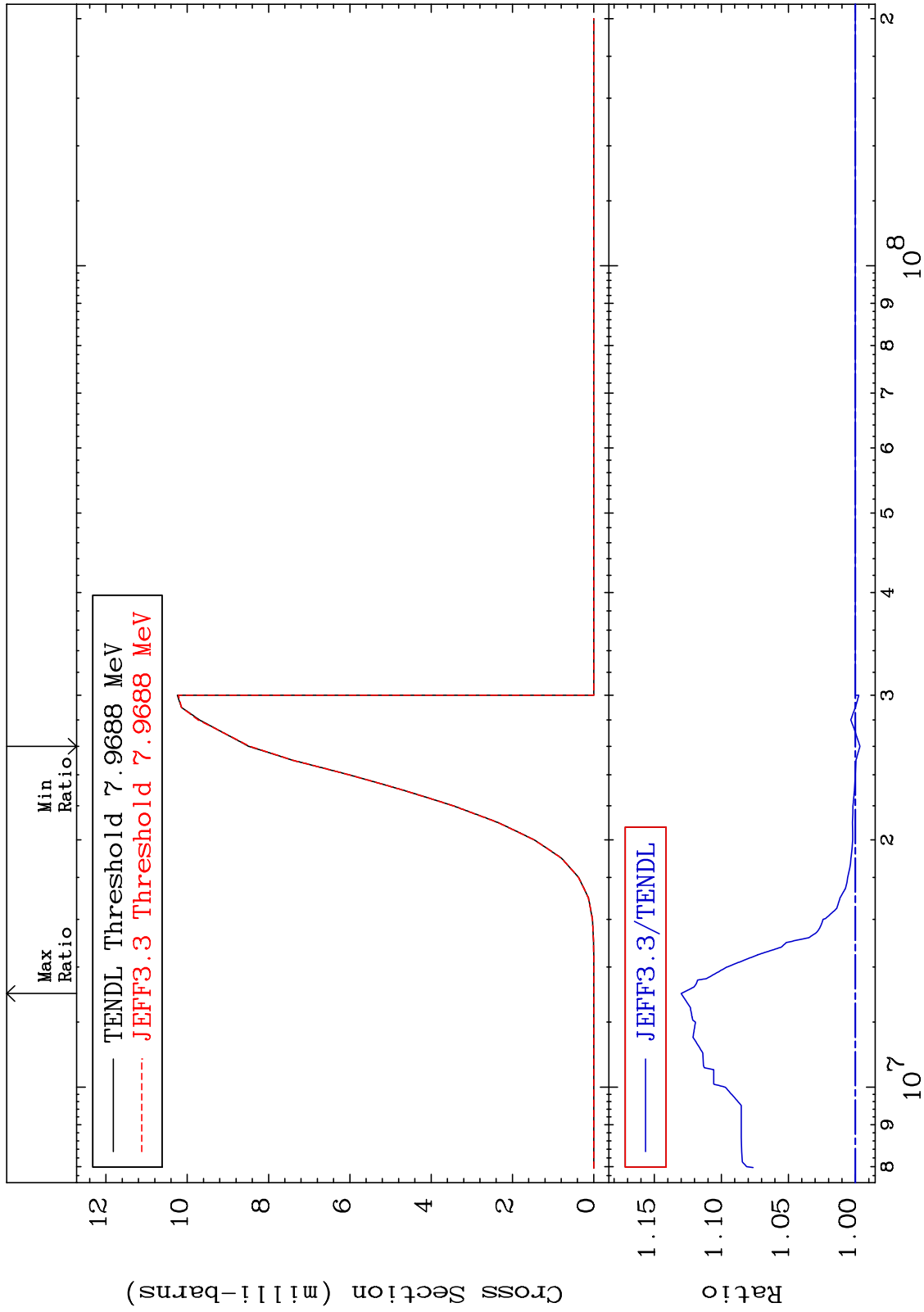
MAT 2828

(n, He-3)

28-Ni-59

Cross Section

-0.340 To 12.99 %



52

Incident Energy (eV)

28-Ni-59

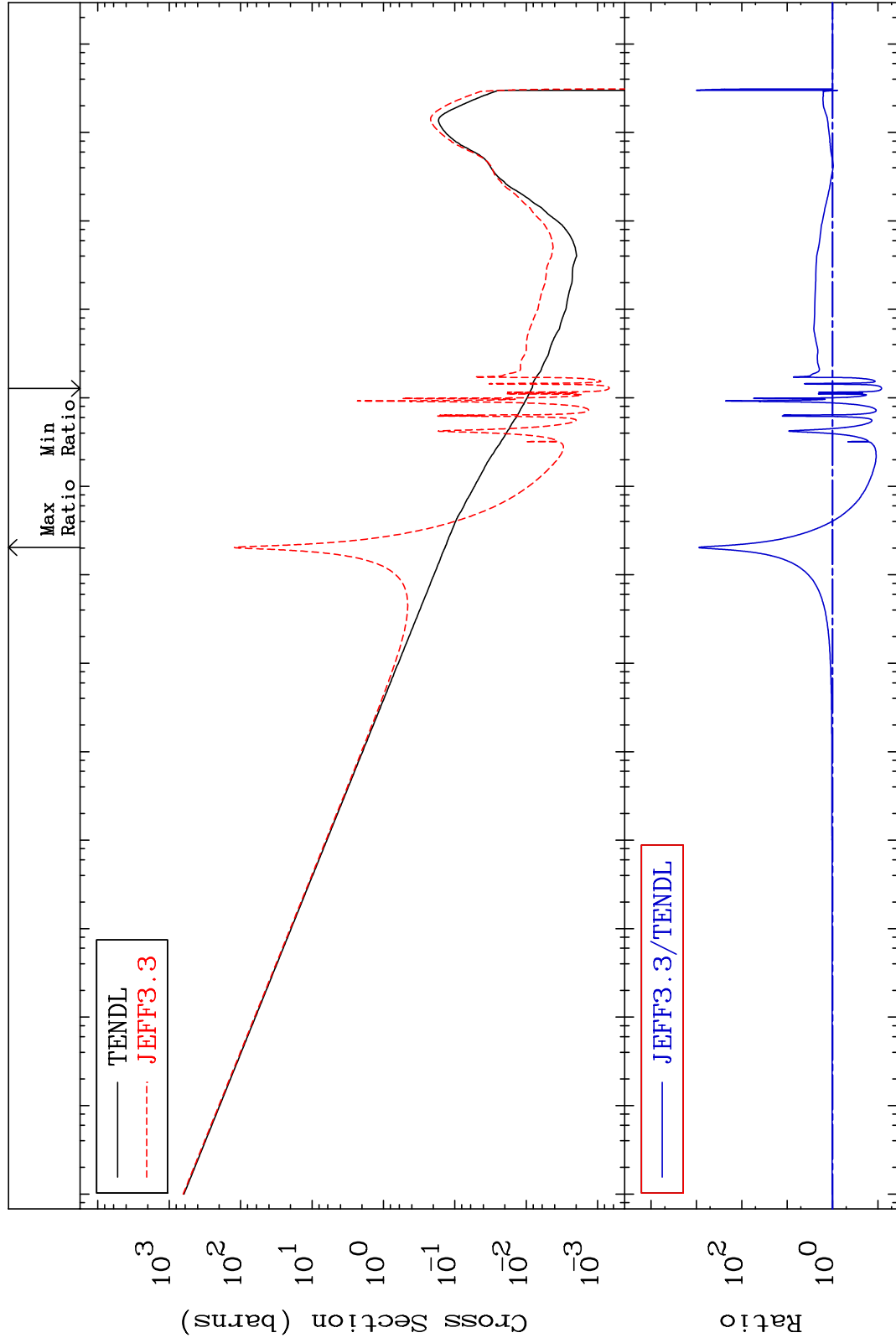
MAT 2828

(n, α)

28-Ni-59

-91.69 To 9999. %

Cross Section



10³
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵

10⁻⁵
10⁻⁴
10⁻³
10⁻²
10⁻¹
10⁰
10¹
10²
10³
10⁴
10⁵
10⁶
10⁷
10⁸

Incident Energy (eV)

28-Ni-59

53

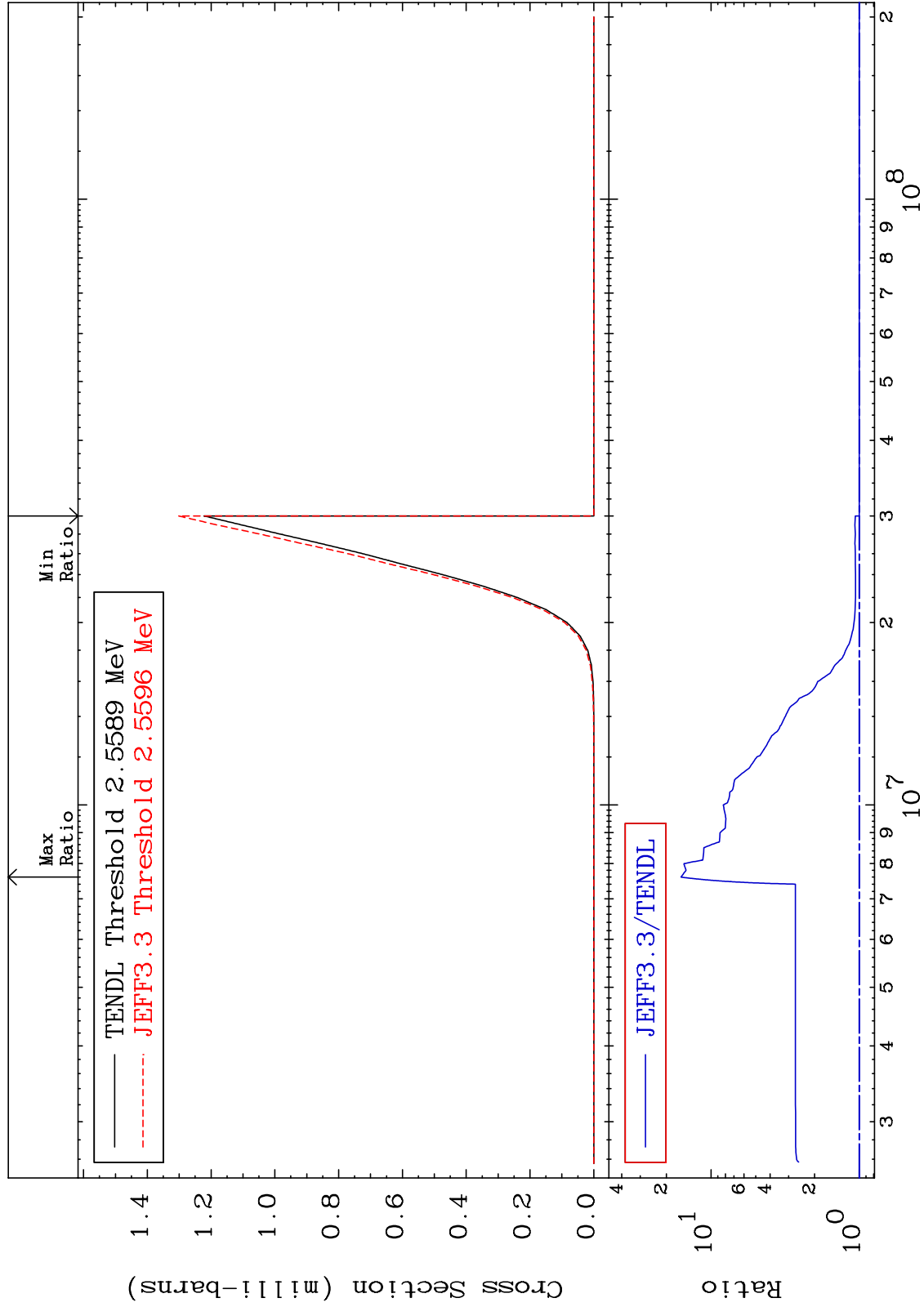
MAT 2828

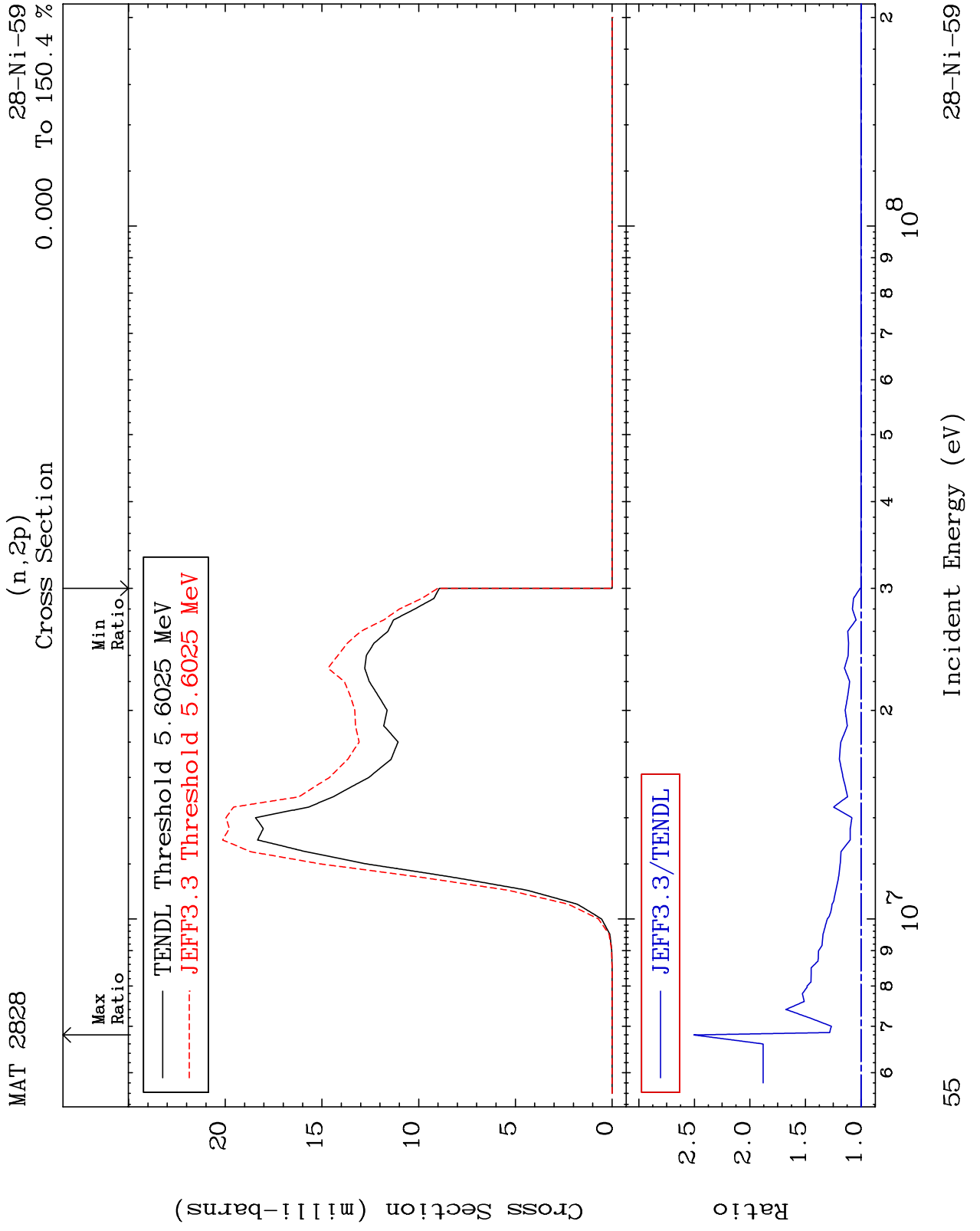
(n, 2α)

28-Ni-59

0.000 To 1494. %

Cross Section





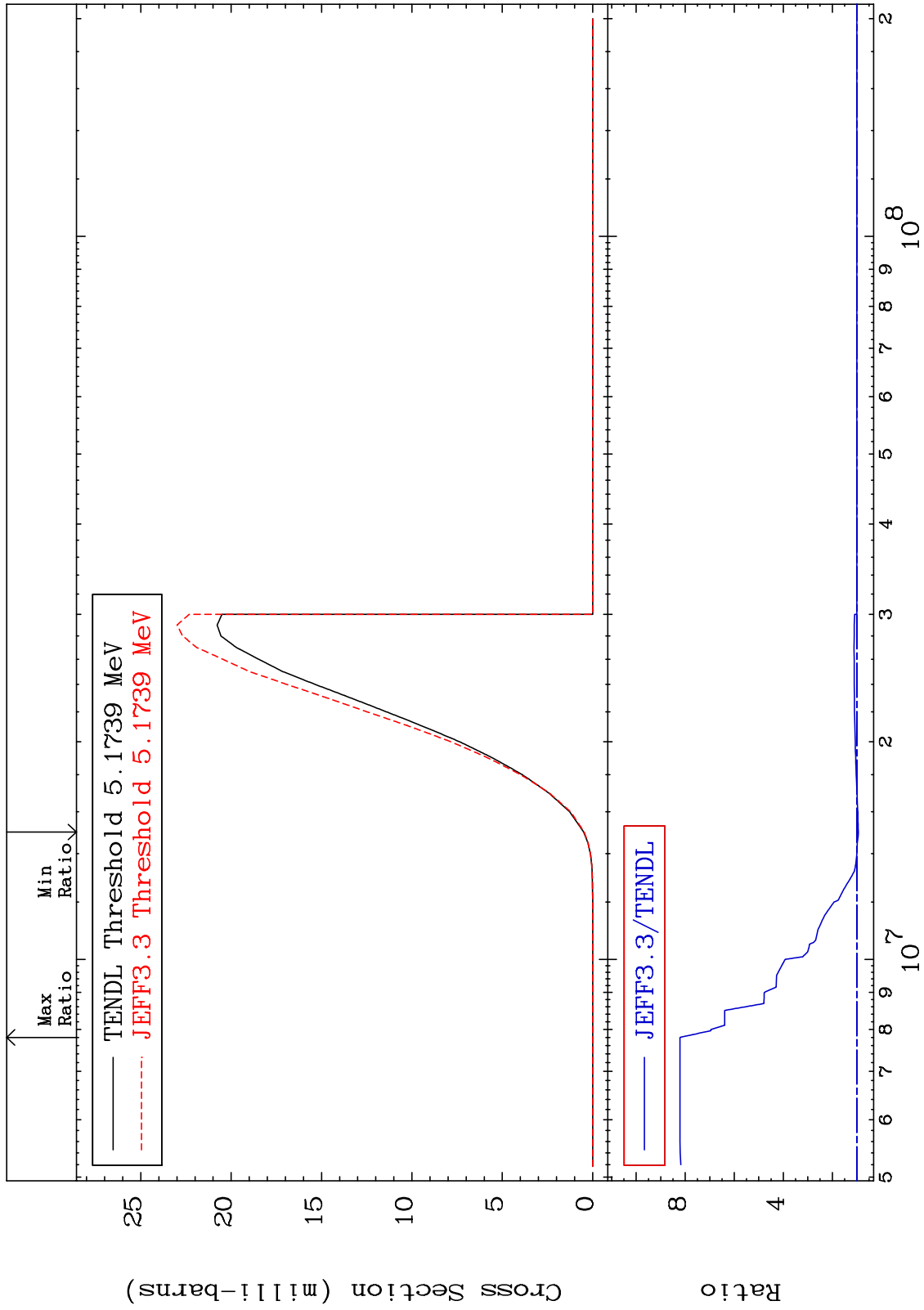
MAT 2828

(n,p) α

28-Ni-59

Cross Section

-6.511 To 721.2 %



56

Incident Energy (eV)

28-Ni-59

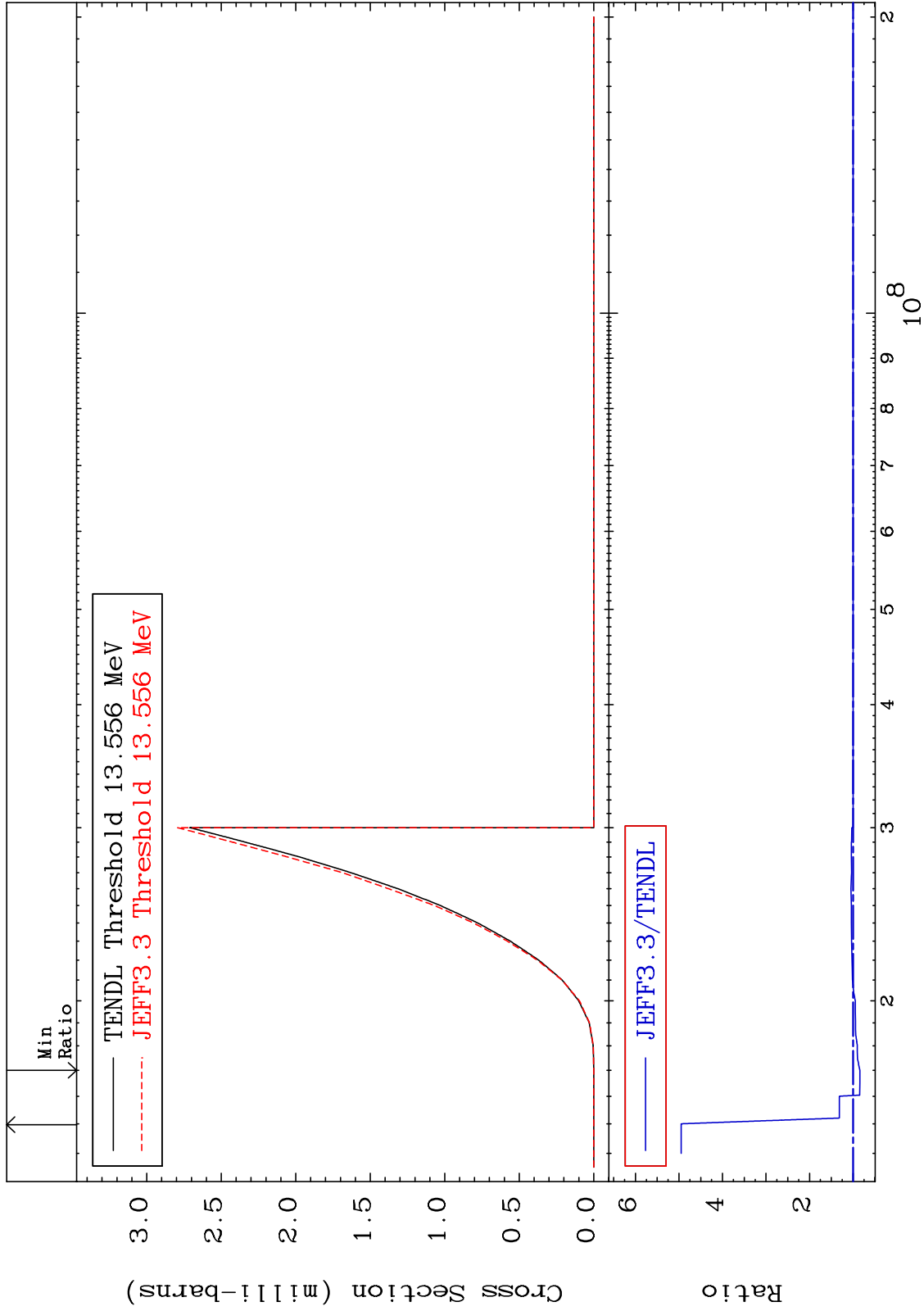
MAT 2828

(n,p) d

28-Ni-59

Cross Section

-15.74 To 394.8 %



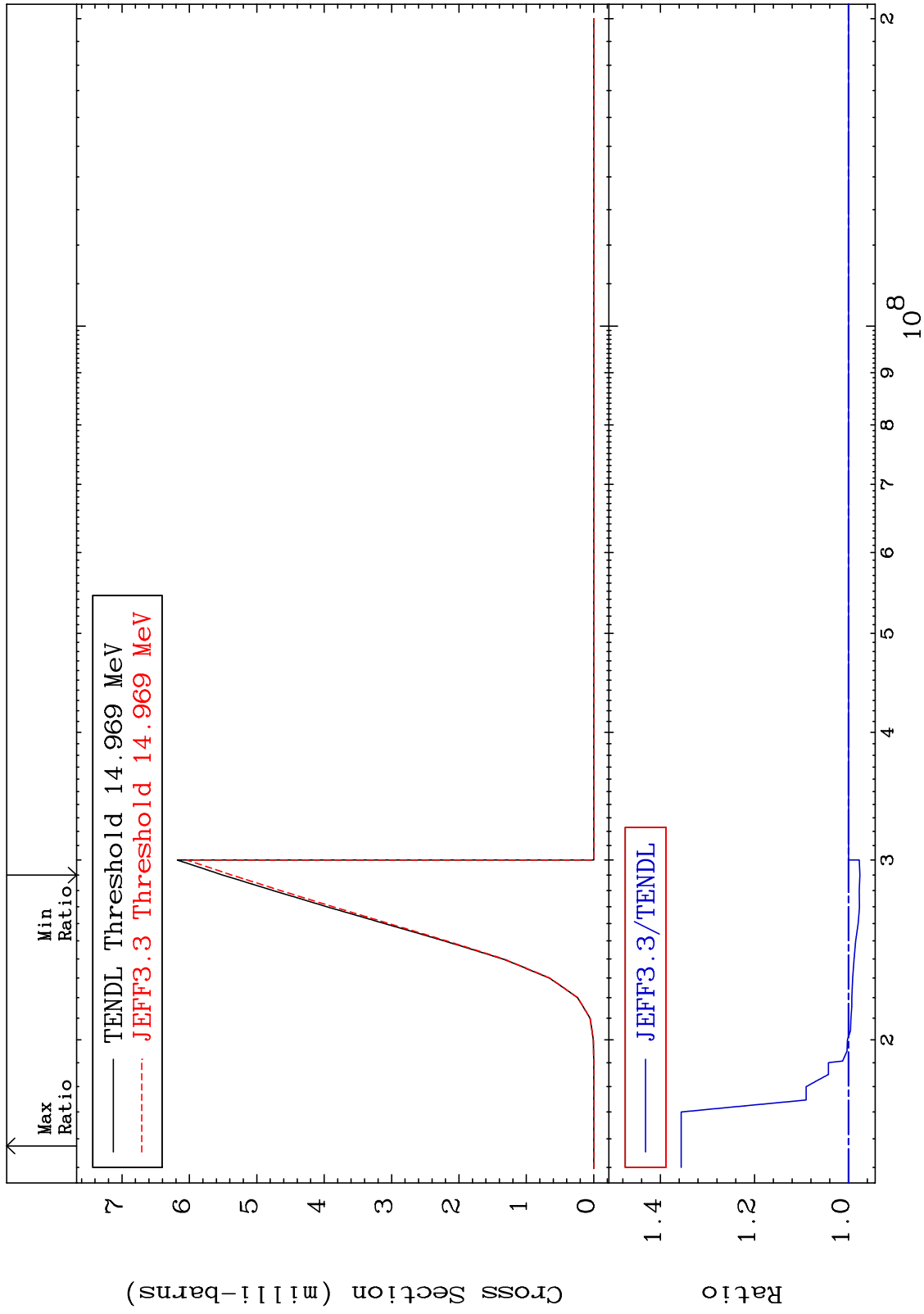
MAT 2828

(n,p) t

28-Ni-59

Cross Section

-2.444 To 35.59 %



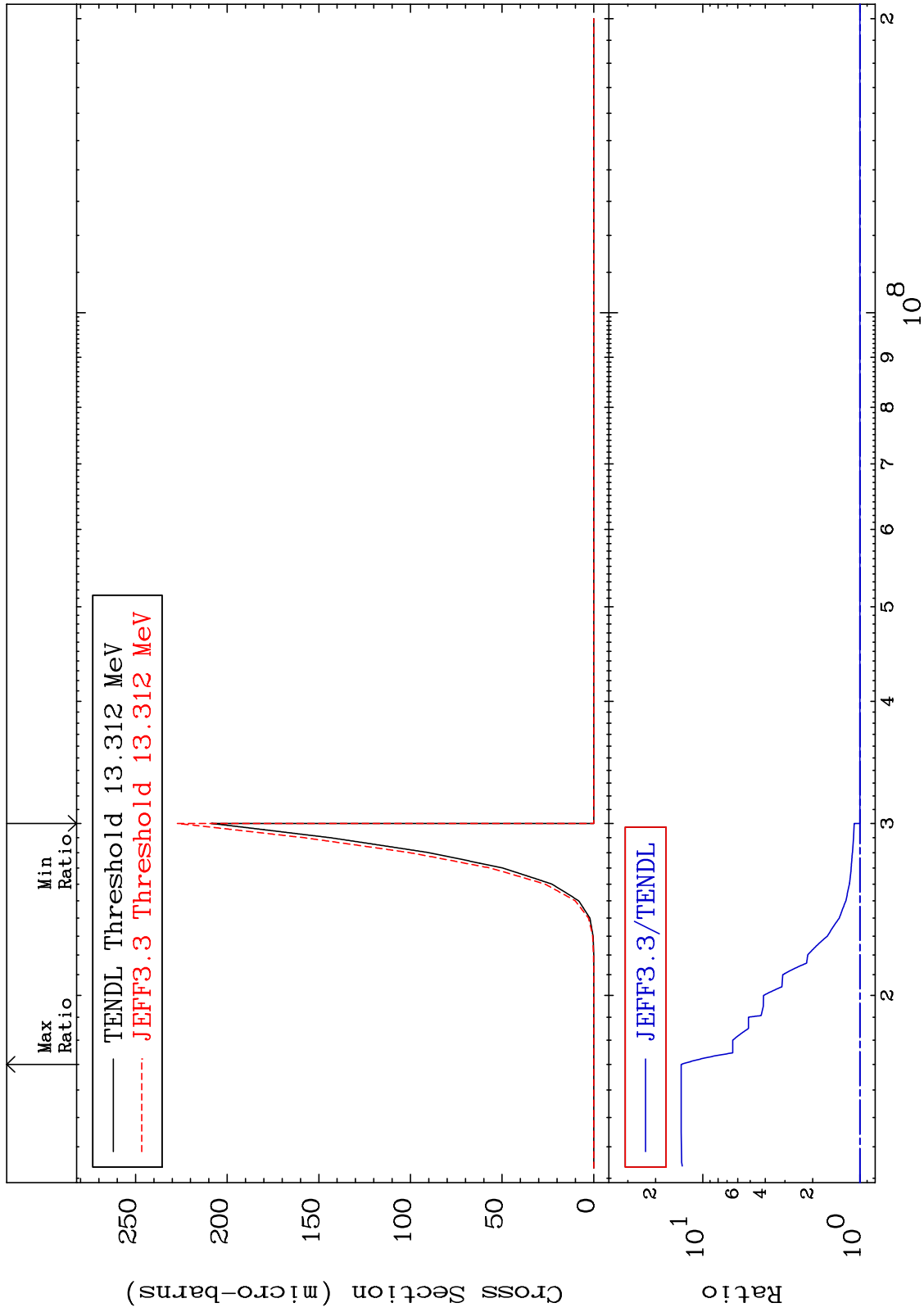
MAT 2828

(n,d) α

28-Ni-59

Cross Section

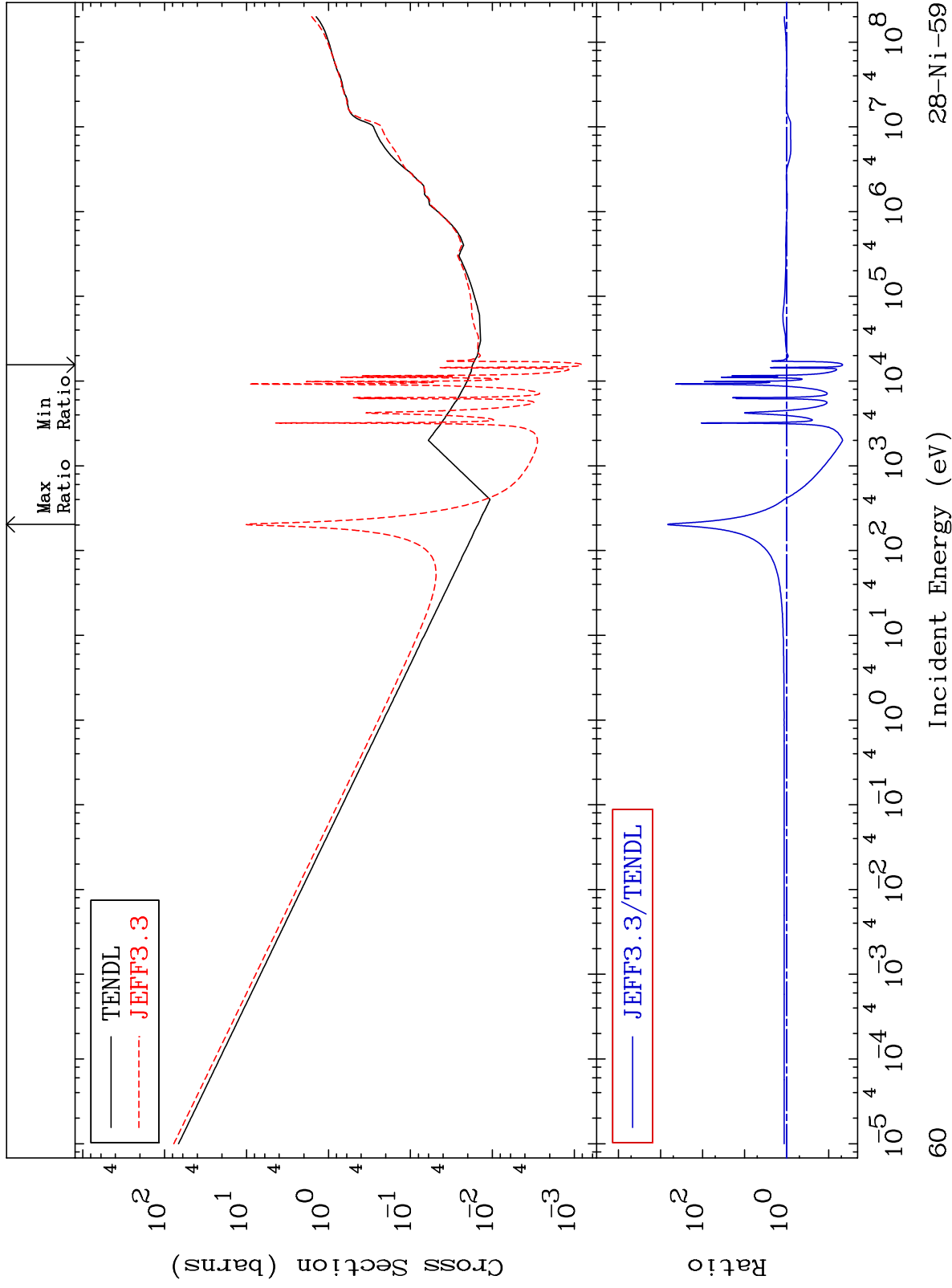
0.000 To 1272. %



MAT 2828

Hydrogen Production
Cross Section

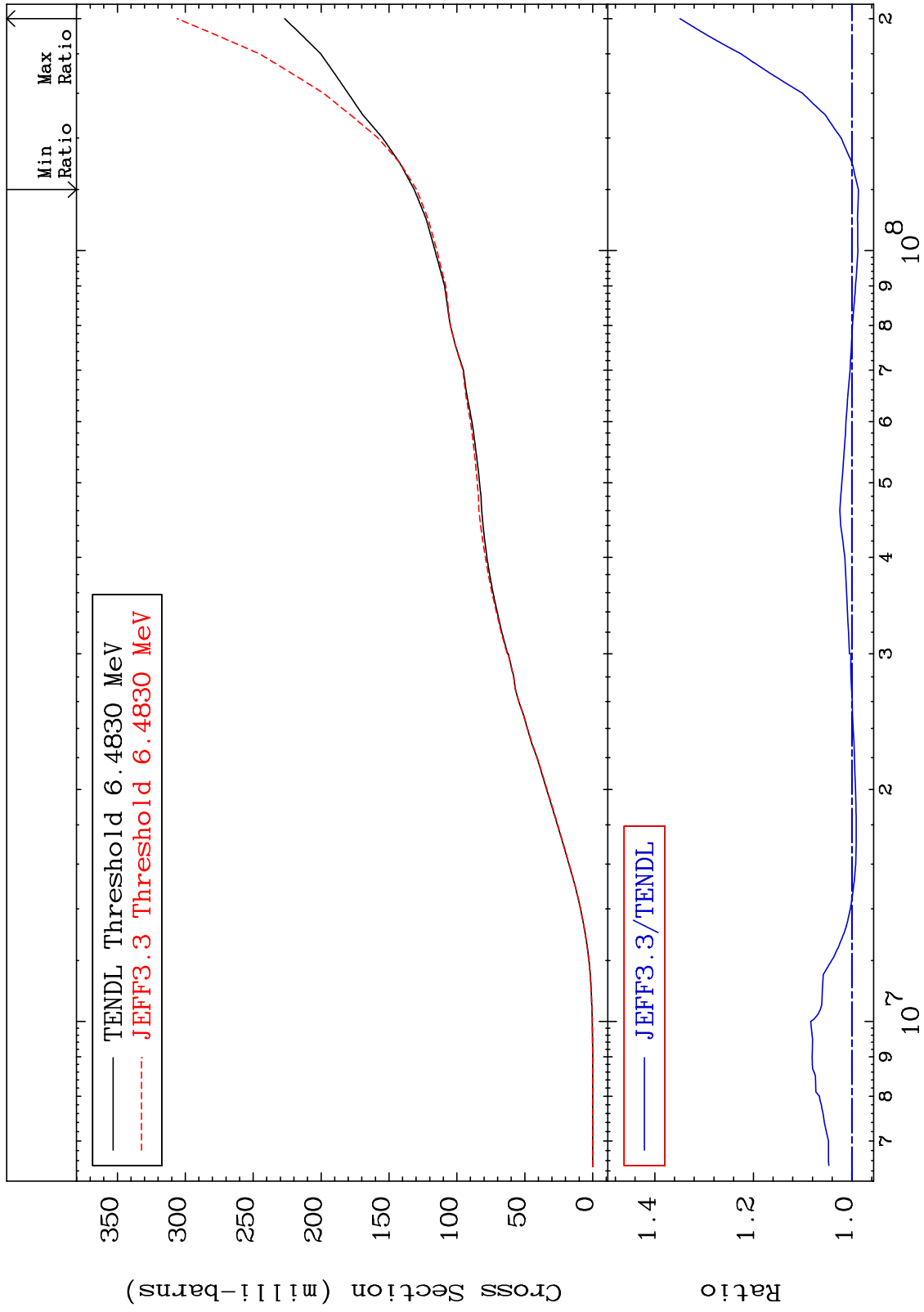
28-Ni-59
-95.35 To 9999. %



MAT 2828

Deuterium Production
Cross Section

28-Ni-59
-1.320 To 34.88 %



61

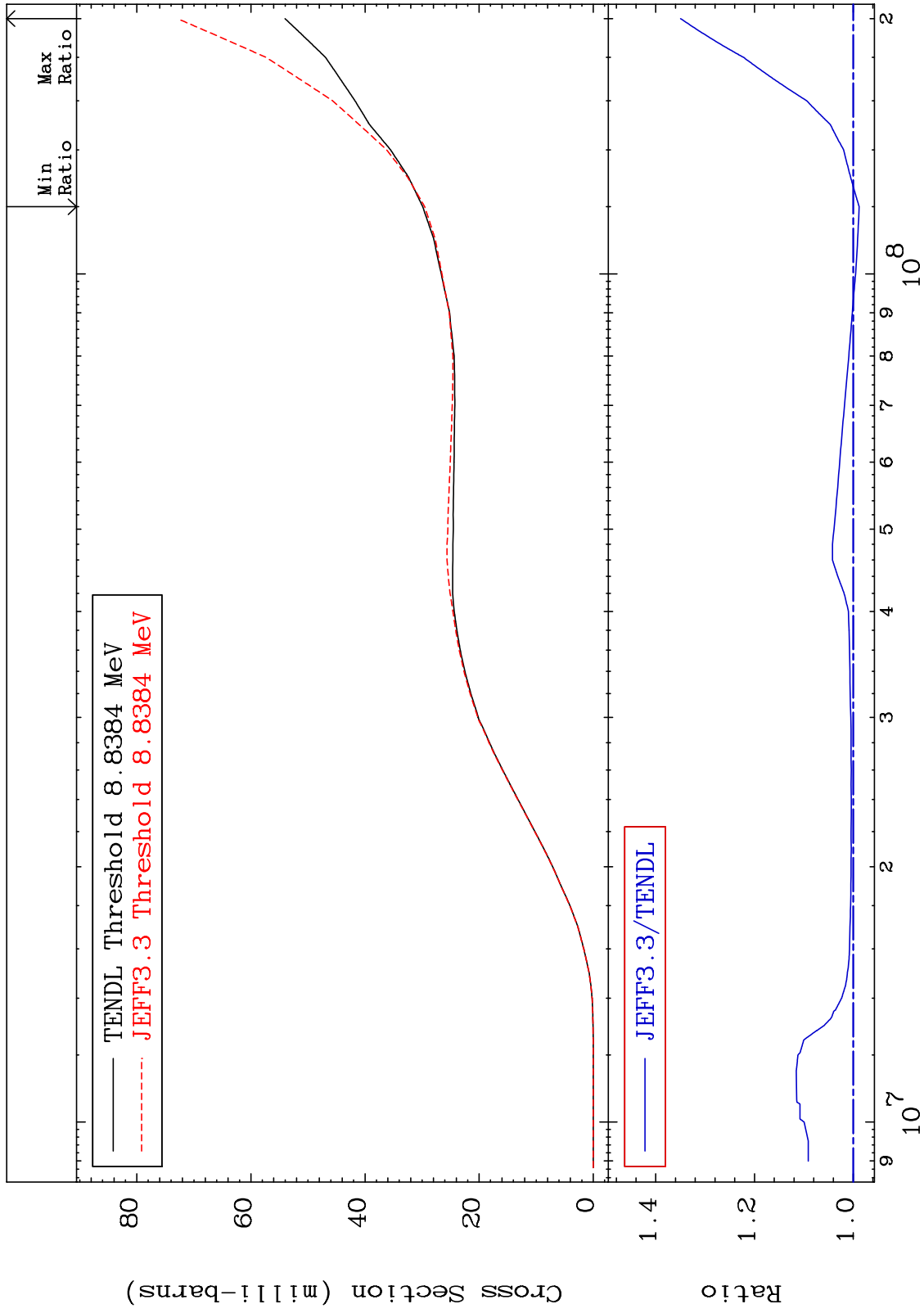
Incident Energy (eV)

28-Ni-59

MAT 2828

Tritium Production
Cross Section

28-Ni-59
-1.208 To 34.96 %



62

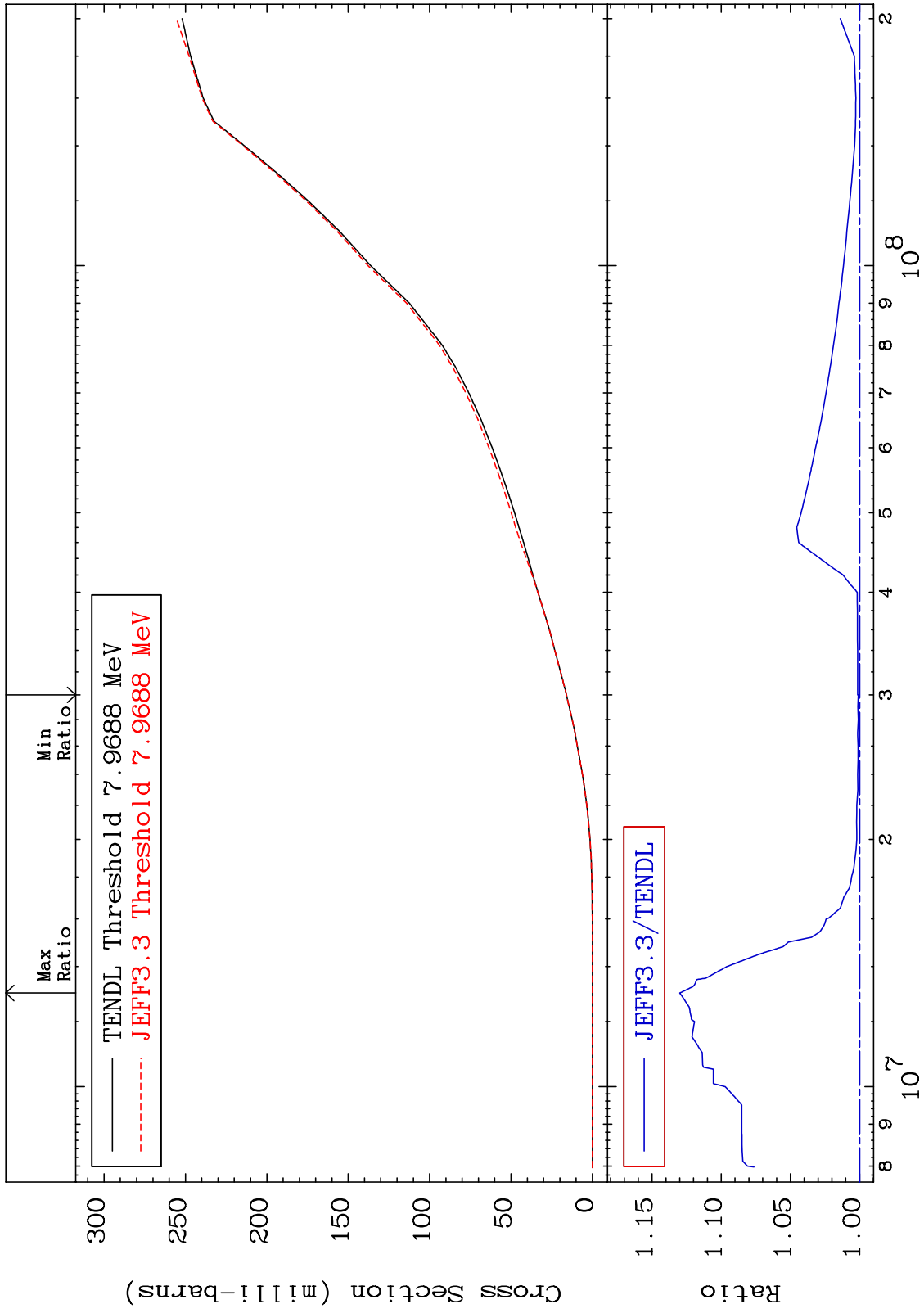
Incident Energy (eV)

28-Ni-59

MAT 2828

He-3 Production
Cross Section

28-Ni-59
0.088 To 12.99 %



63

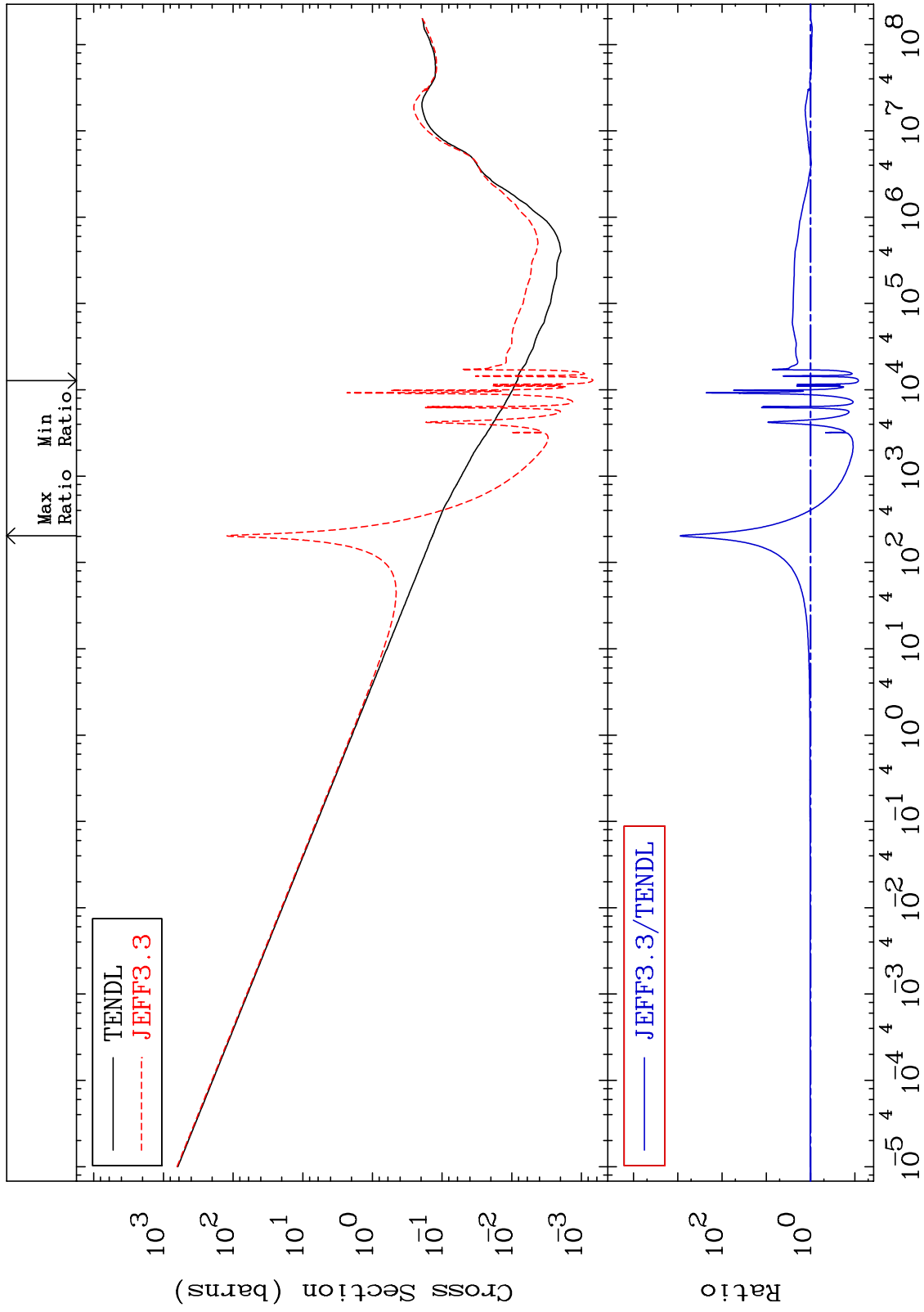
Incident Energy (eV)

28-Ni-59

MAT 2828

He-4 Production
Cross Section

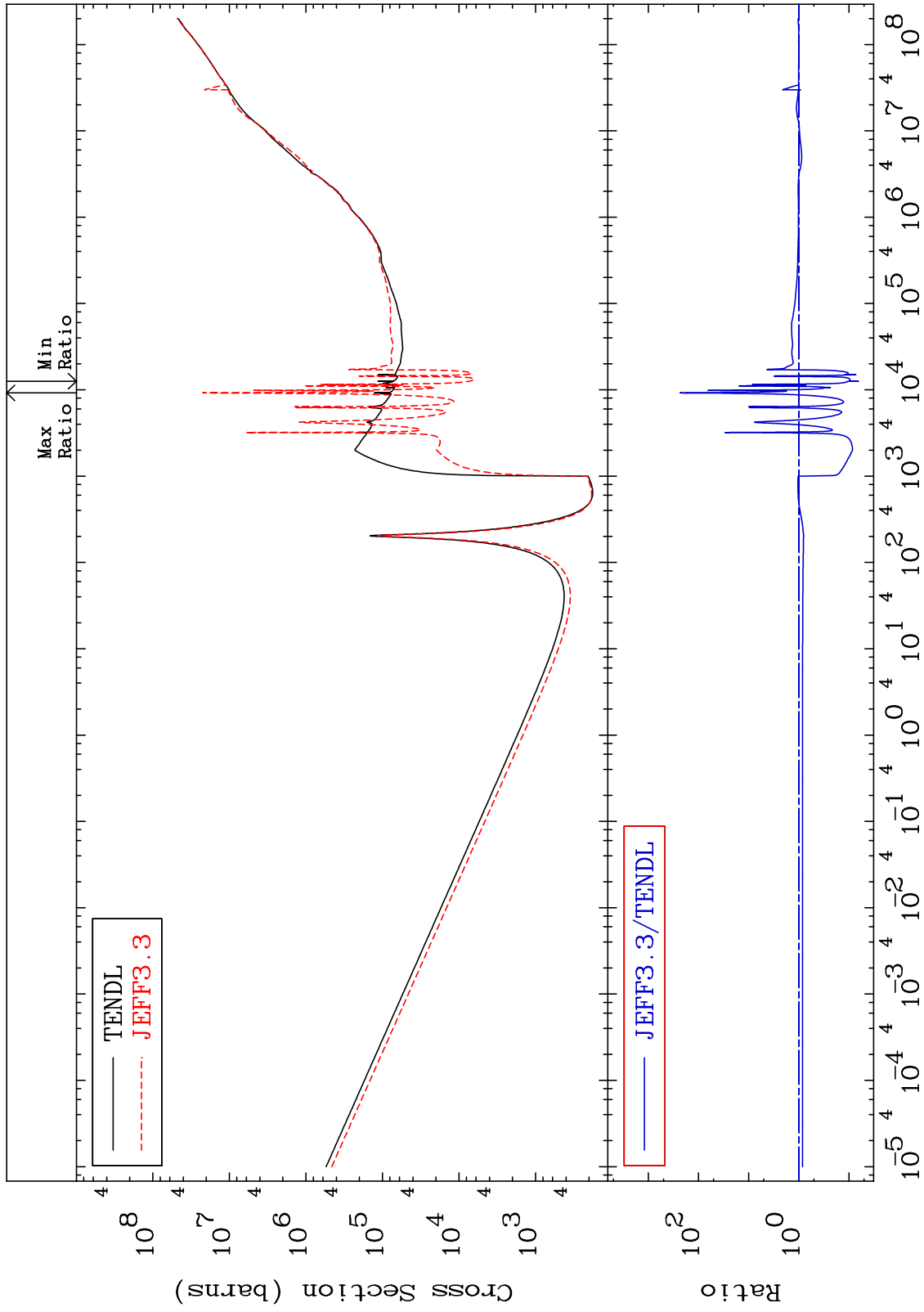
28-Ni-59
-91.69 To 9999. %



MAT 2828

Kerma total (eV-barns)
Cross Section

28-Ni-59
-93.53 To 9999. %



65

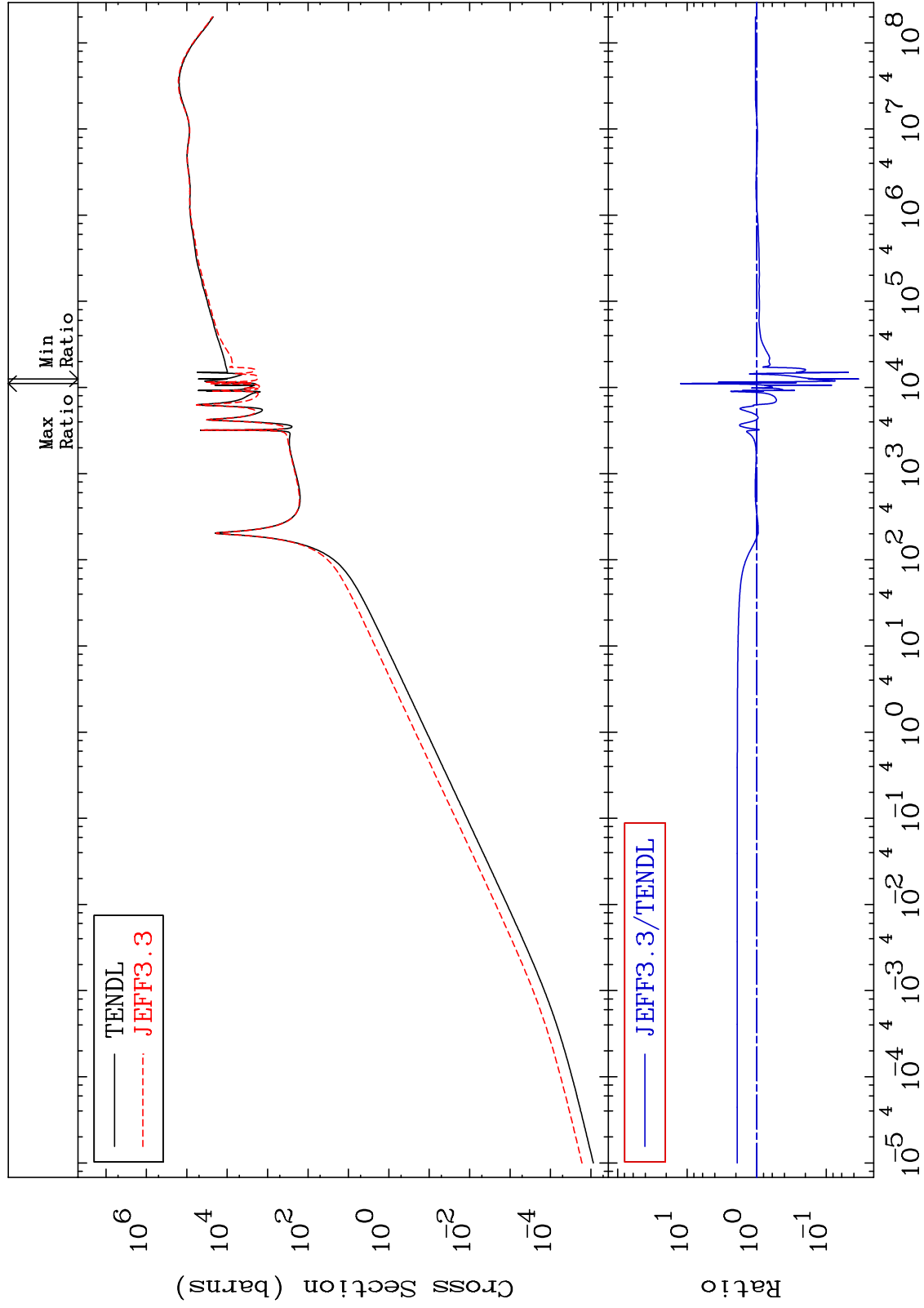
Incident Energy (eV)

28-Ni-59

MAT 2828

Kerma elastic
Cross Section

28-Ni-59
-96.57 To 1151. %



66

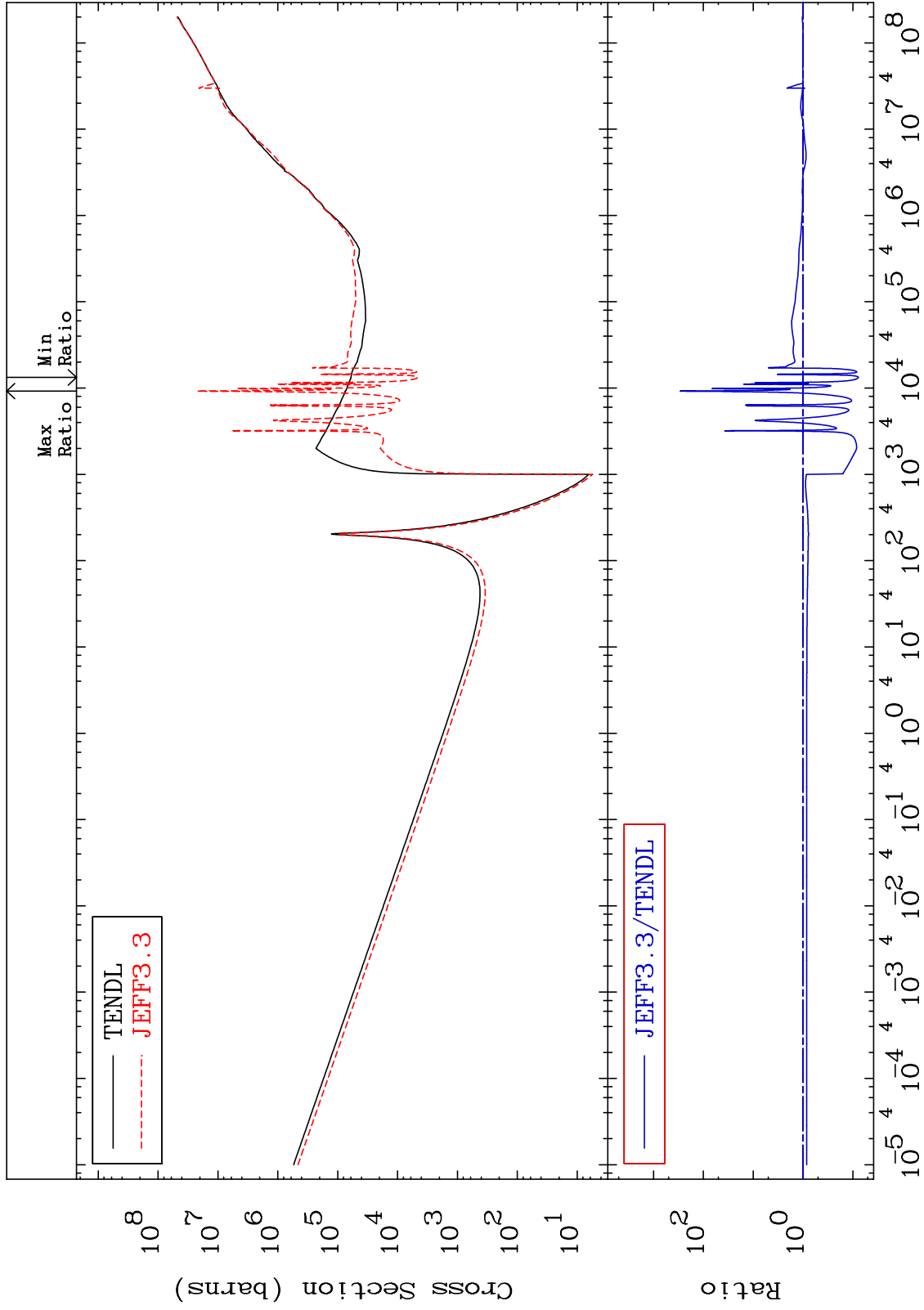
Incident Energy (eV)

28-Ni-59

MAT 2828

Kerma non-elastic (all but mt2)
Cross Section

28-Ni-59
-92.27 To 9999. %



67

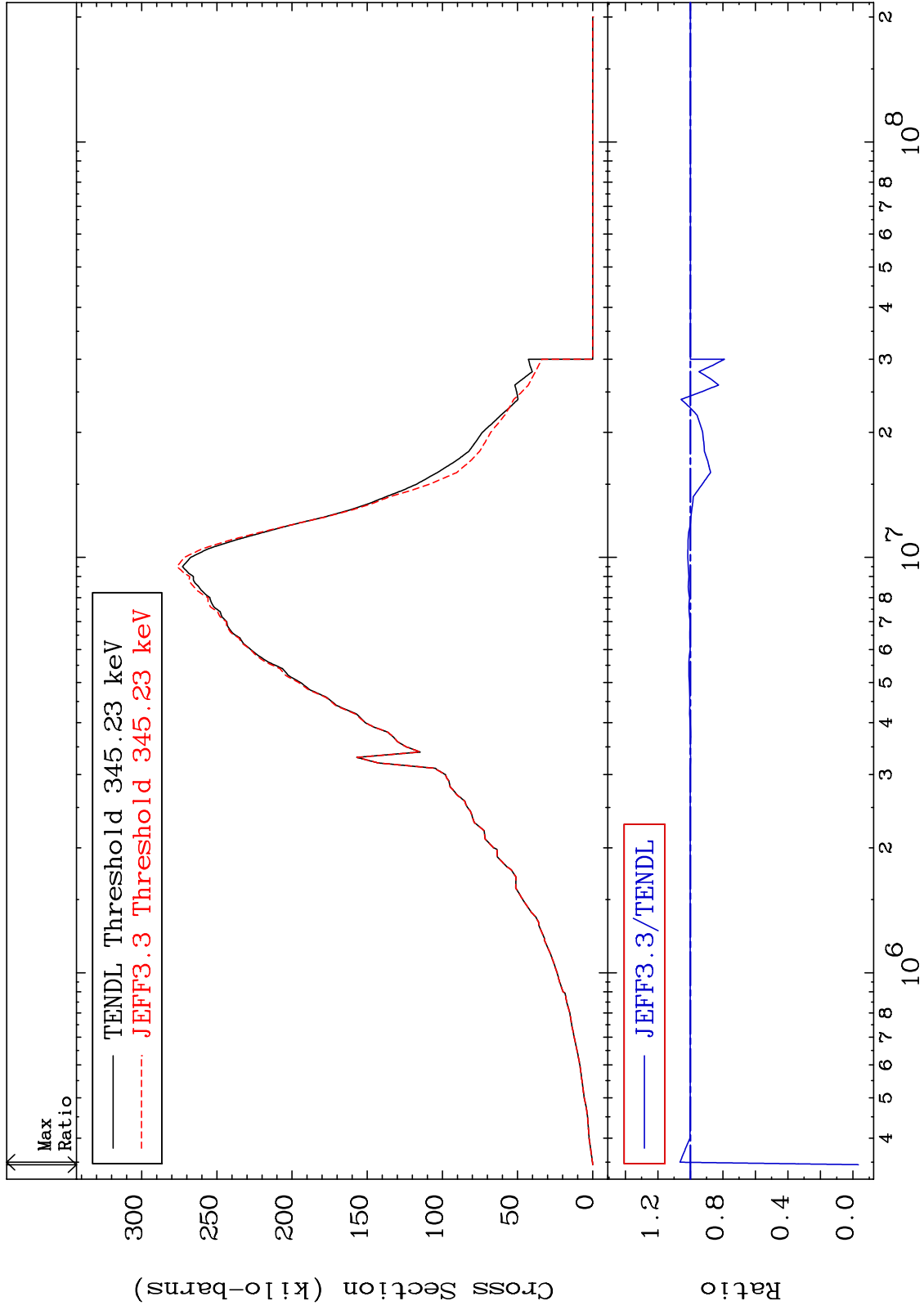
Incident Energy (eV)

28-Ni-59

MAT 2828

Kerma inelastic (mt51-91)
Cross Section

28-Ni-59
-103.4 To 6.354 %



68

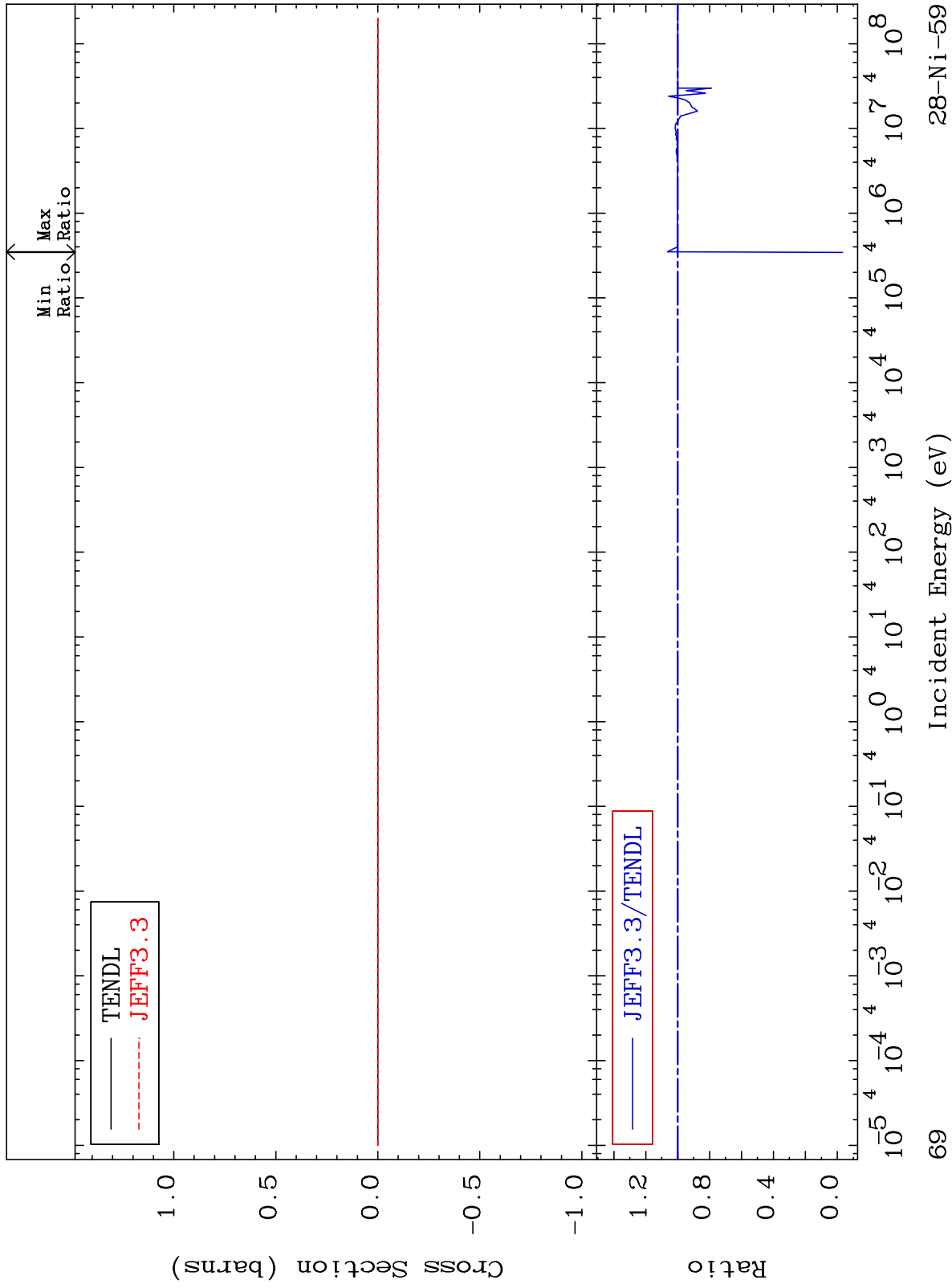
Incident Energy (eV)

28-Ni-59

MAT 2828

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

28-Ni-59
-103.4 To 6.354 %



69

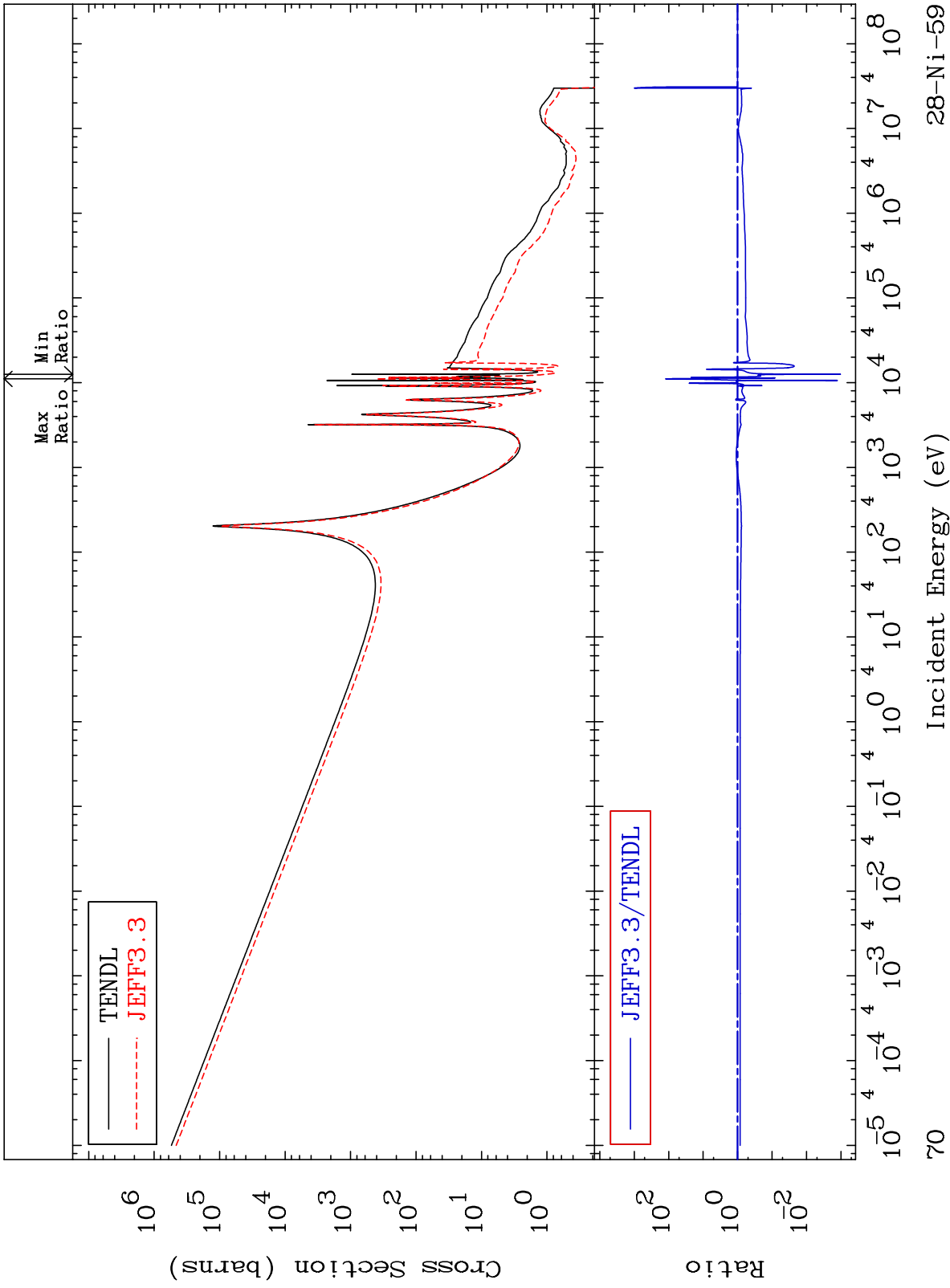
Incident Energy (eV)

28-Ni-59

MAT 2828

Kerma capture (mt102)
Cross Section

28-Ni-59
-99.90 To 9999. %



70

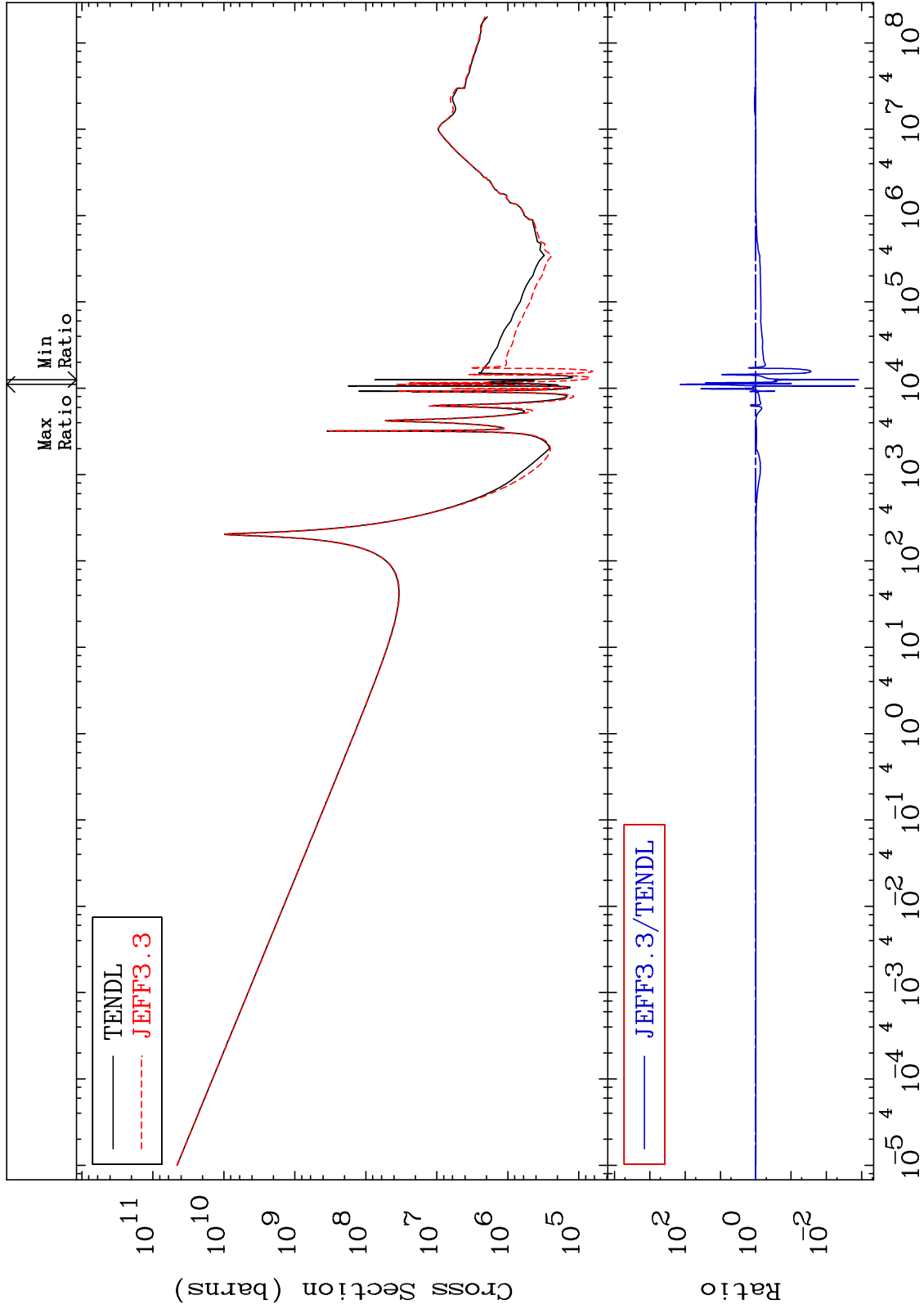
Incident Energy (eV)

28-Ni-59

MAT 2828

Total photon (eV-barns)
Cross Section

28-Ni-59
-99.88 To 9999. %



71

Incident Energy (eV)

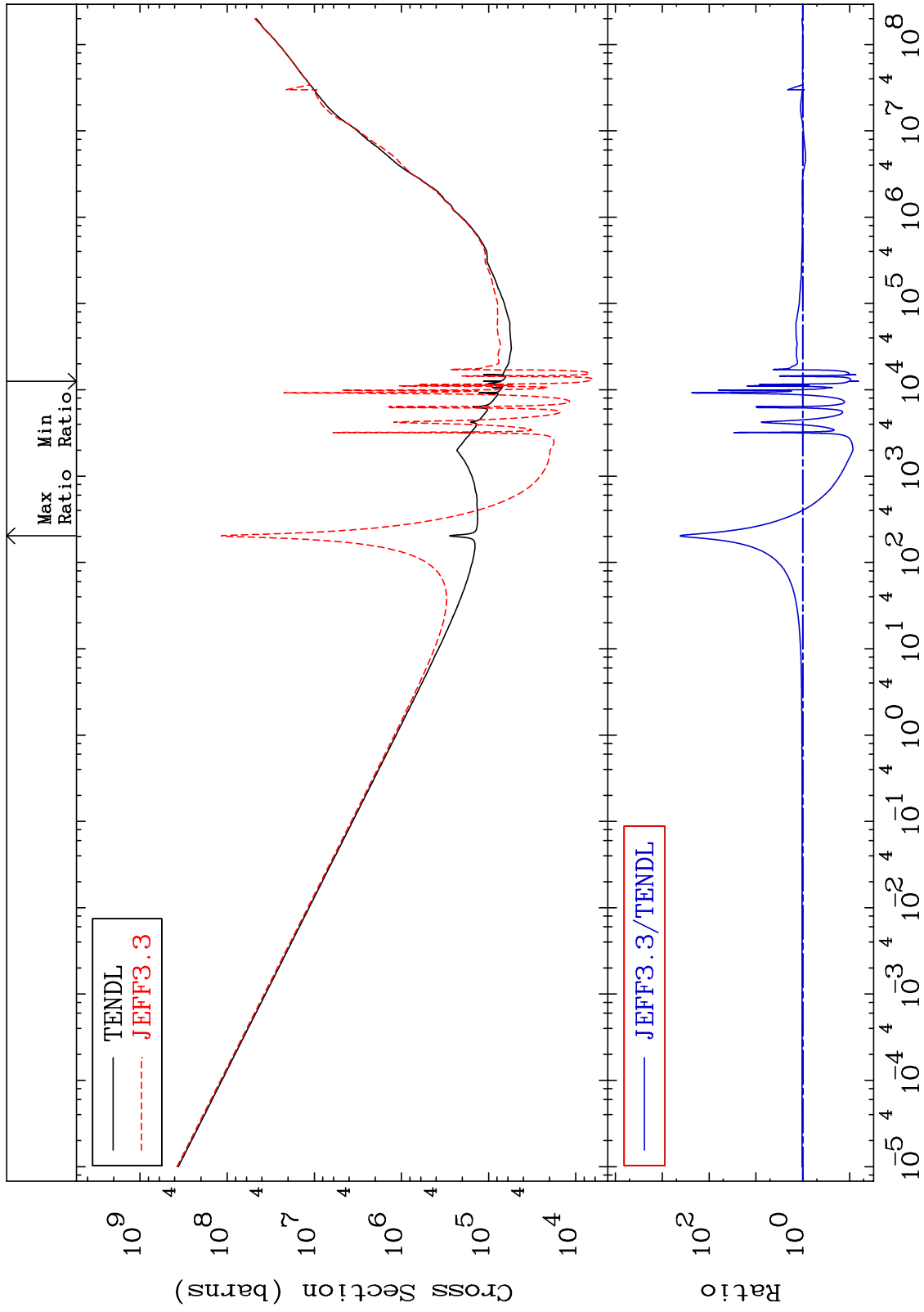
28-Ni-59

MAT 2828

Total kinematic kerma (high limit)
Cross Section

28-Ni-59

-93.52 To 9999. %



72

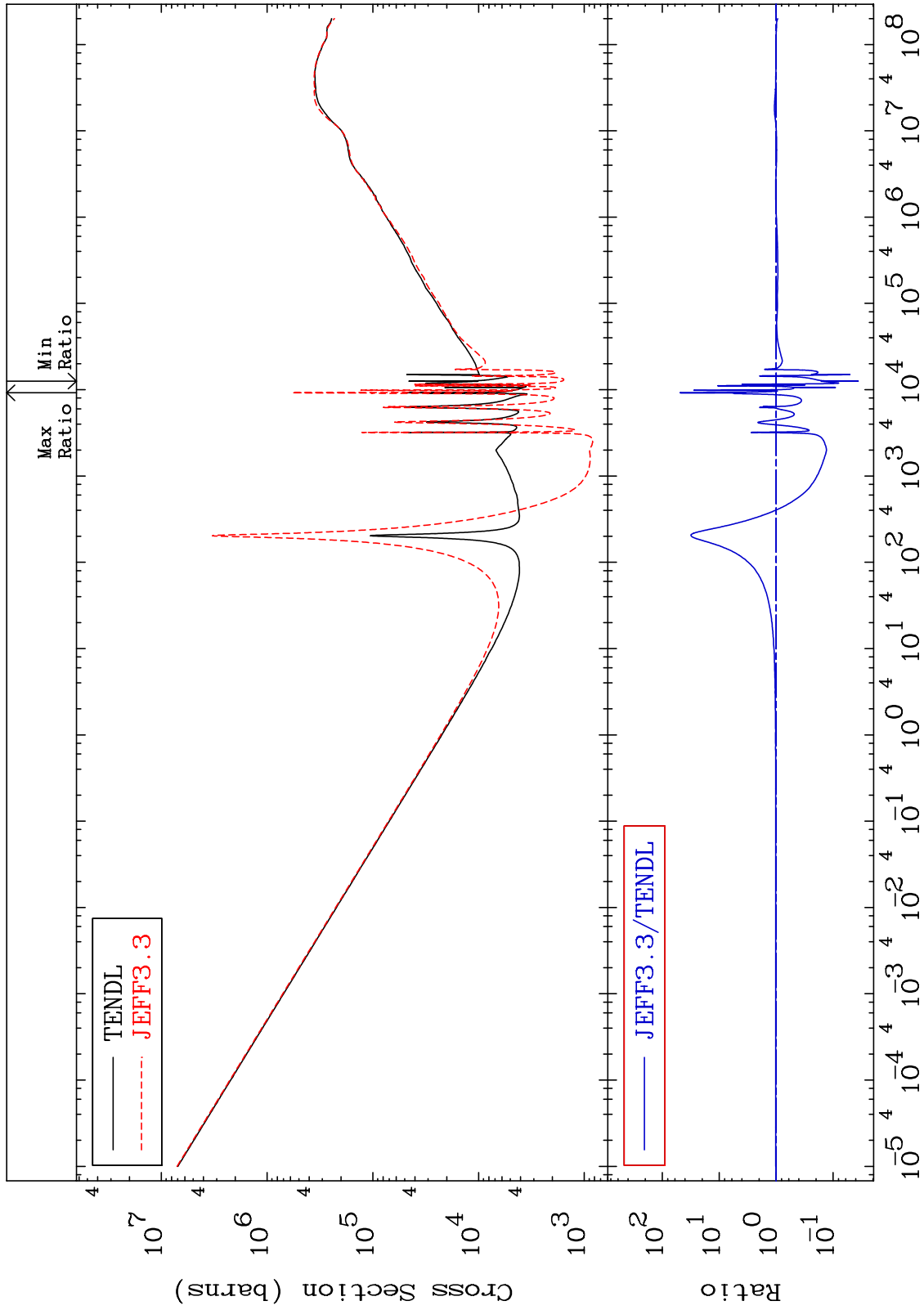
Incident Energy (eV)

28-Ni-59

MAT 2828

Dpa total (eV-barns)
Cross Section

28-Ni-59
-96.41 To 4786. %



73

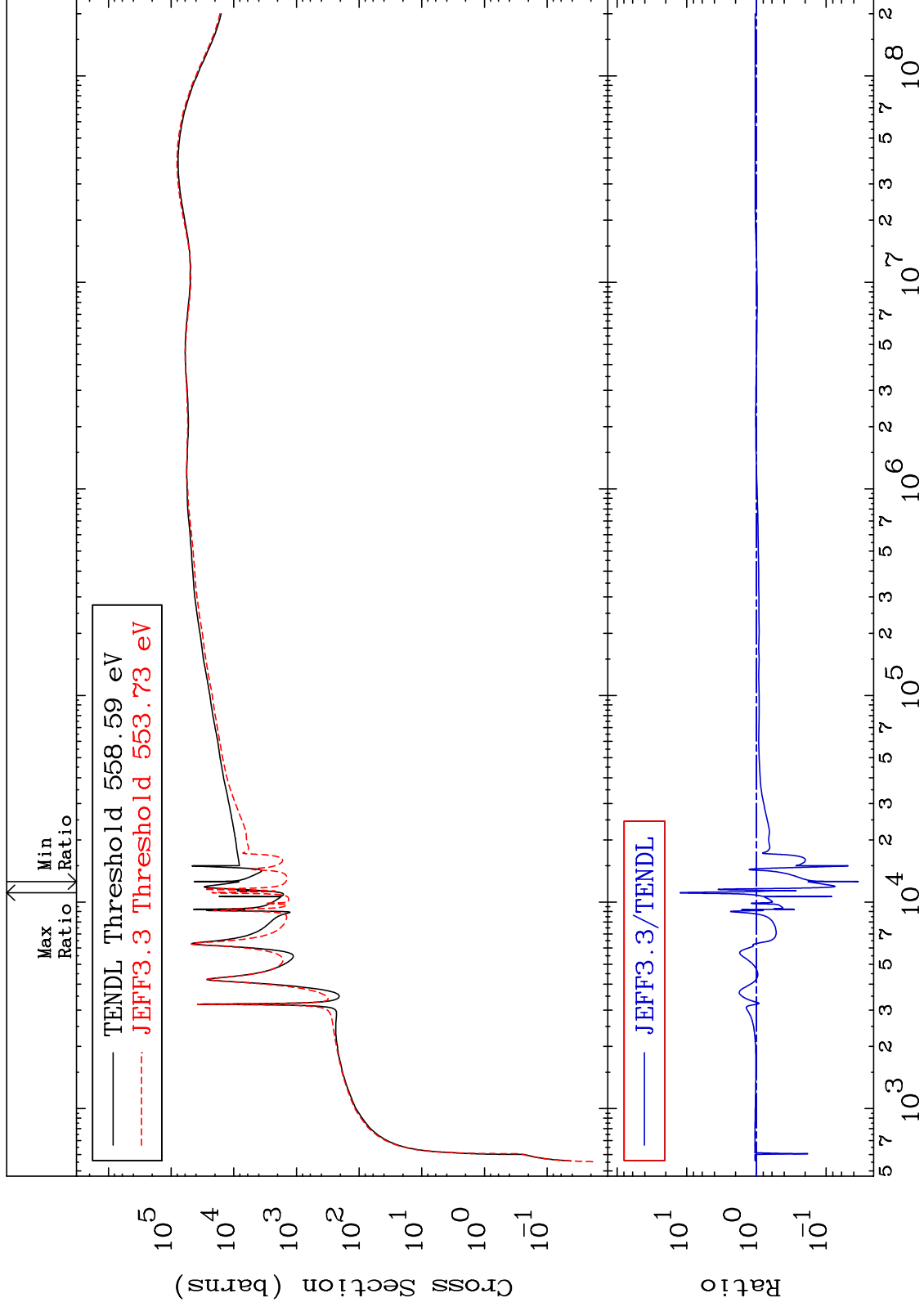
Incident Energy (eV)

28-Ni-59

MAT 2828

Dpa elastic (mt2)
Cross Section

28-Ni-59
-96.57 To 1151. %



74

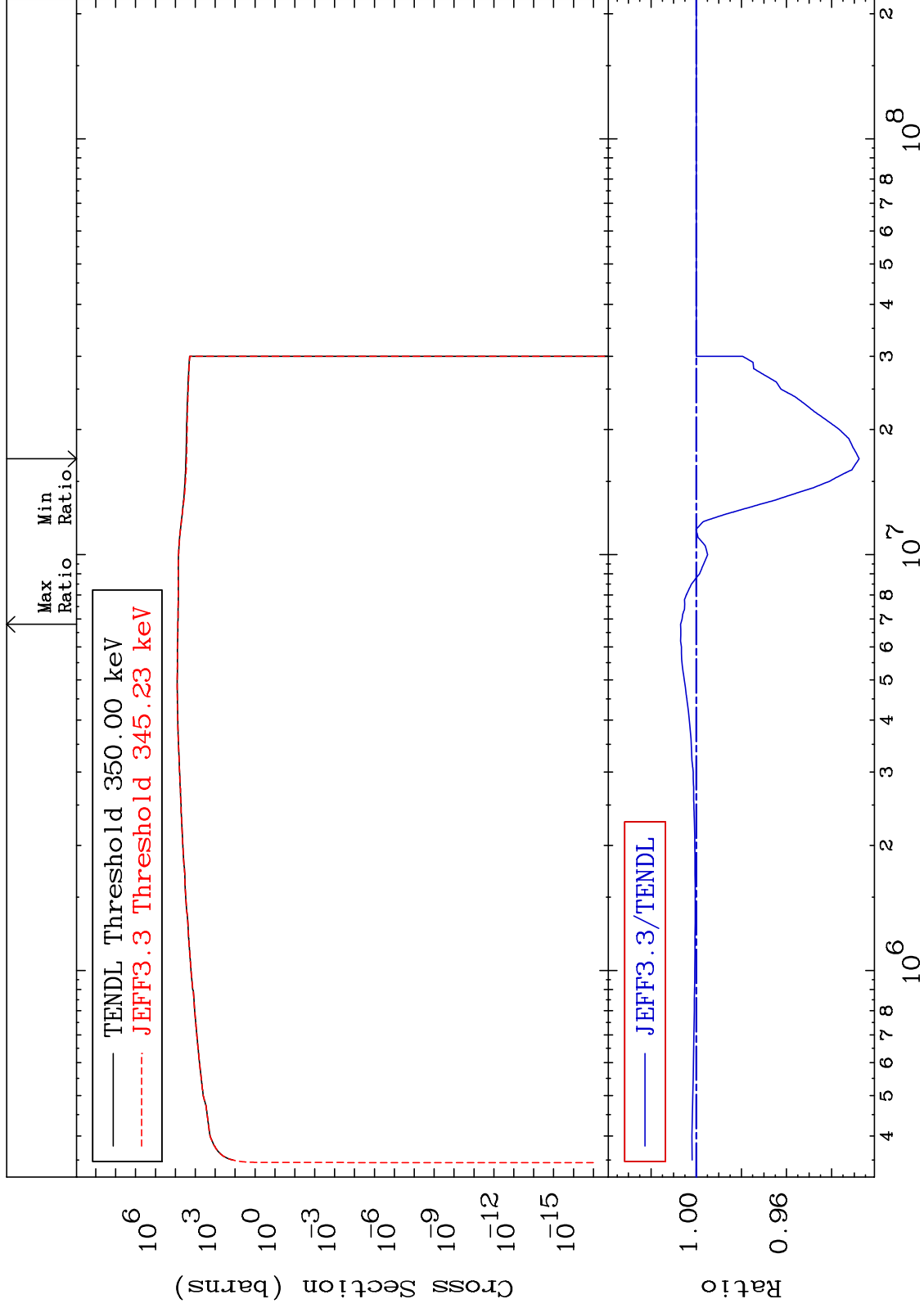
Incident Energy (eV)

28-Ni-59

MAT 2828

Dpa inelastic (mt51-91)
Cross Section

28-Ni-59
-7.218 To 0.690 %



75

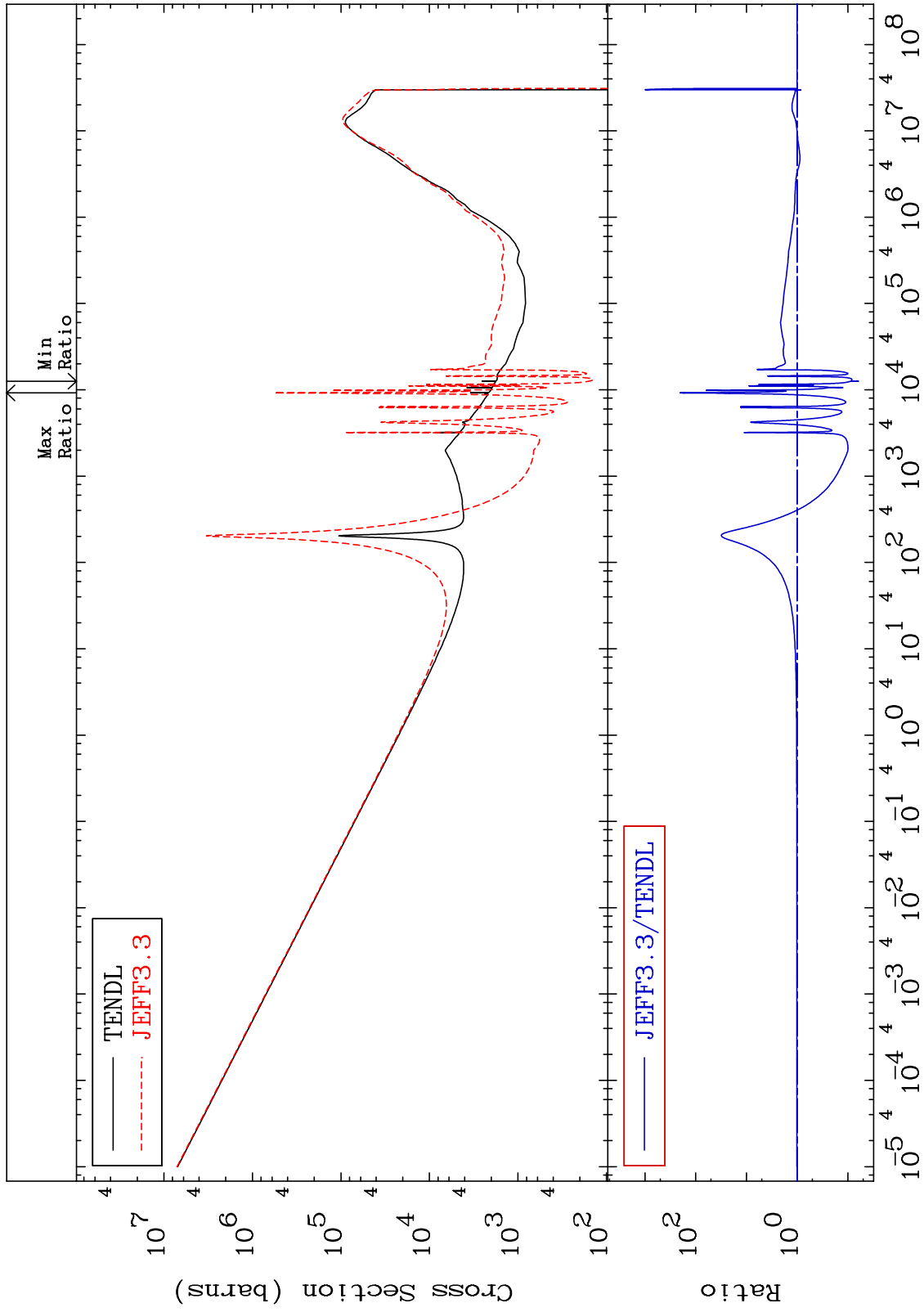
Incident Energy (eV)

28-Ni-59

MAT 2828

Dpa disappearance (mt102 -120)
Cross Section

28-Ni-59
-93.80 To 9999. %



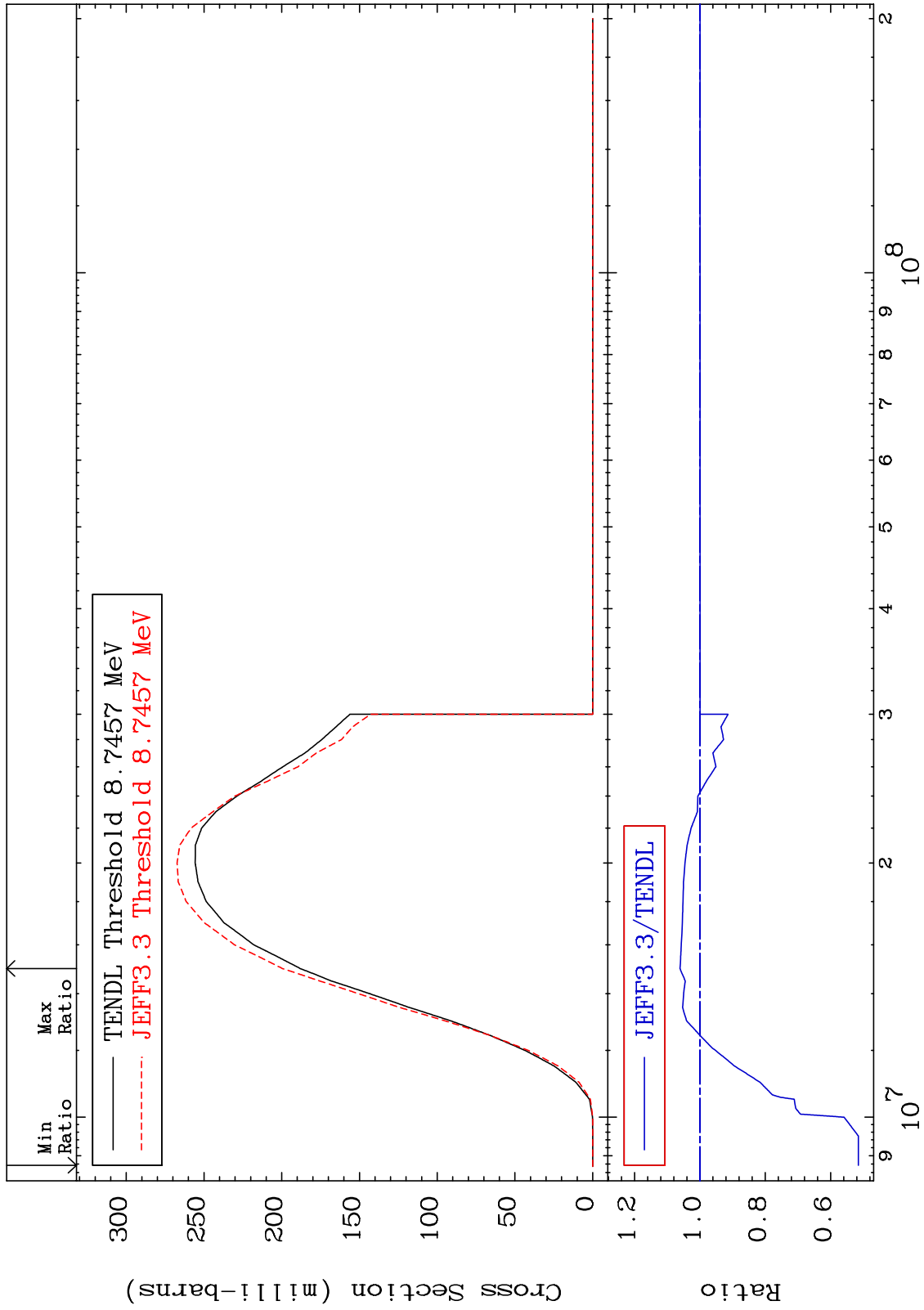
76

Incident Energy (eV)

28-Ni-59

MAT 2828

(n, n') p:27-Co-58g 28-Ni-59
Radionuclide Production Cross Section -48.47 To 6.083 %



77

Incident Energy (eV)

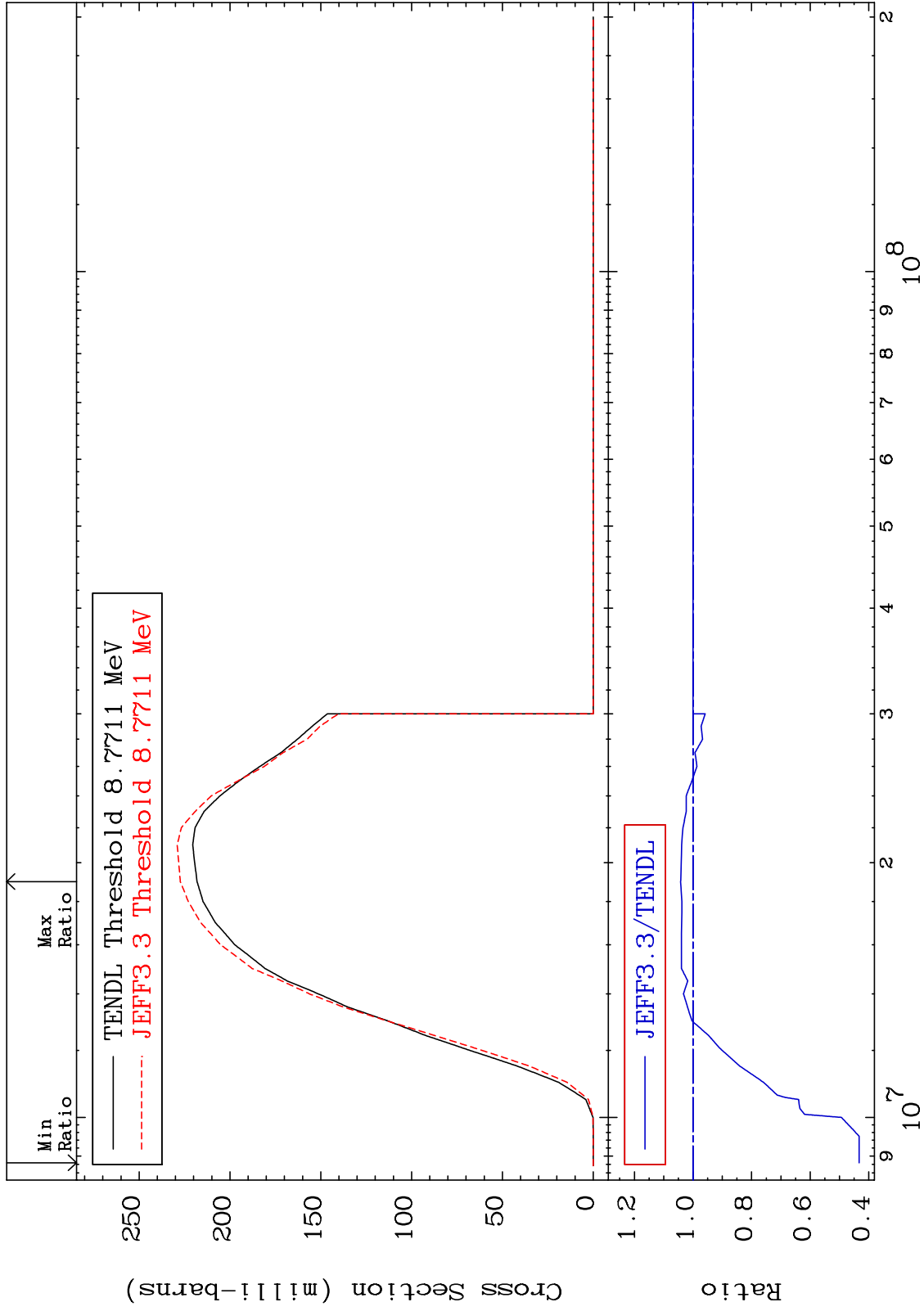
28-Ni-59

MAT 2828

(n, n') p:27-Co-58m1

28-Ni-59

Radionuclide Production Cross Section -56.71 To 4.225 %



78

Incident Energy (eV)

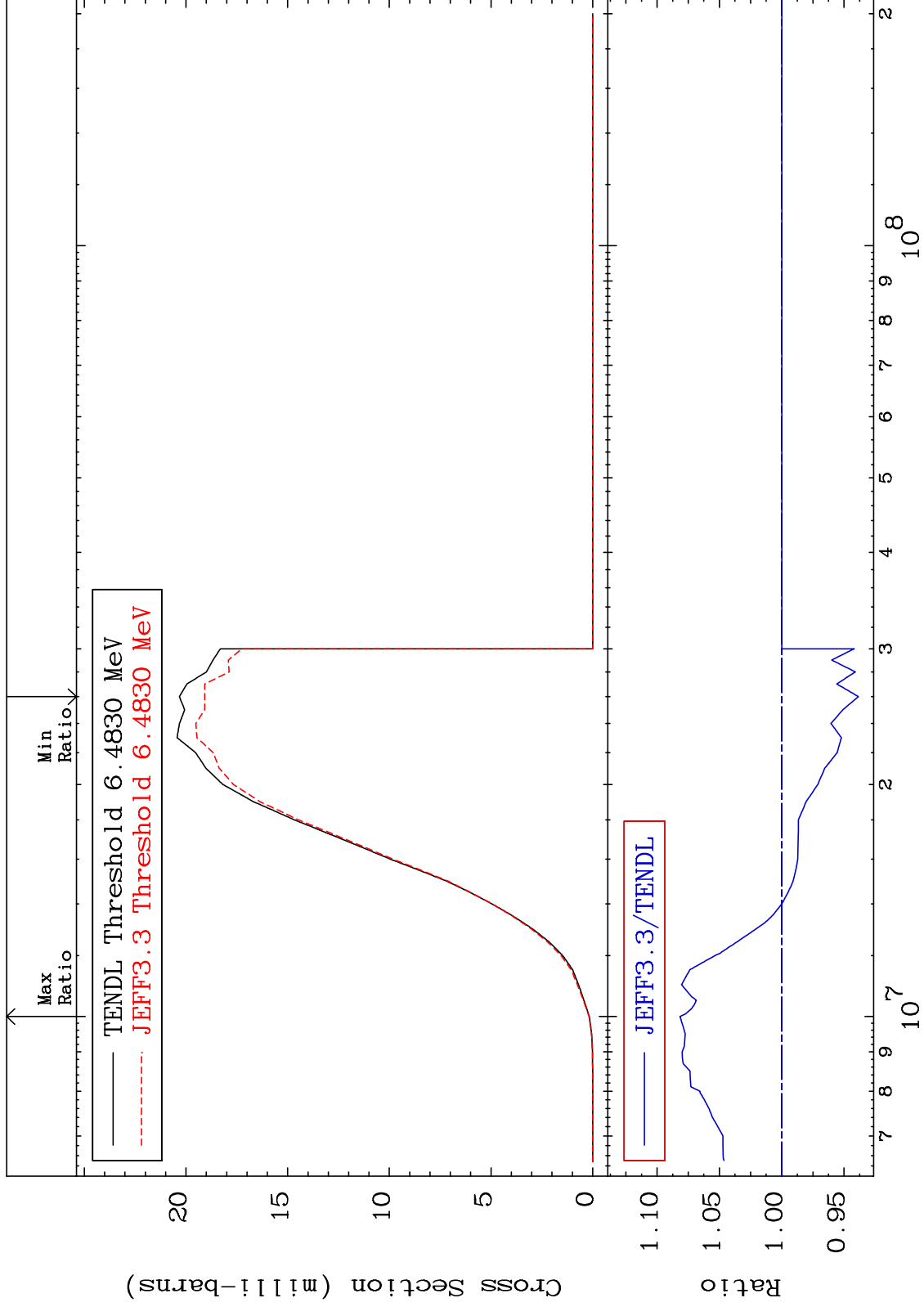
28-Ni-59

MAT 2828

(n, d) : 27-Co-58g

28-Ni-59

Radionuclide Production Cross Section -6.151 To 8.159 %



79

Incident Energy (eV)

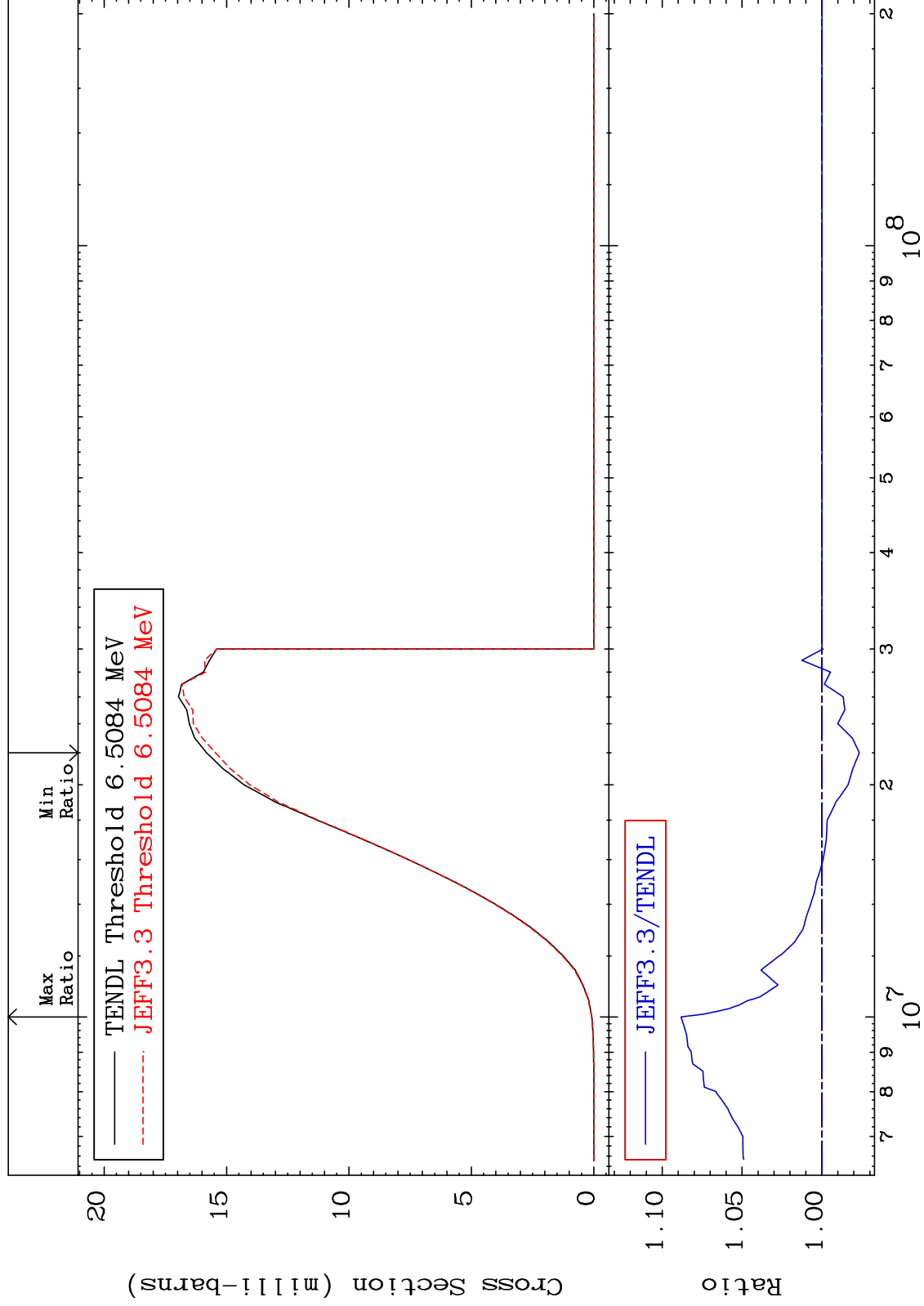
28-Ni-59

MAT 2828

(n,d):27-Co-58m1

28-Ni-59

Radionuclide Production Cross Section -2.341 To 8.822 %



80

Incident Energy (eV)

28-Ni-59