

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

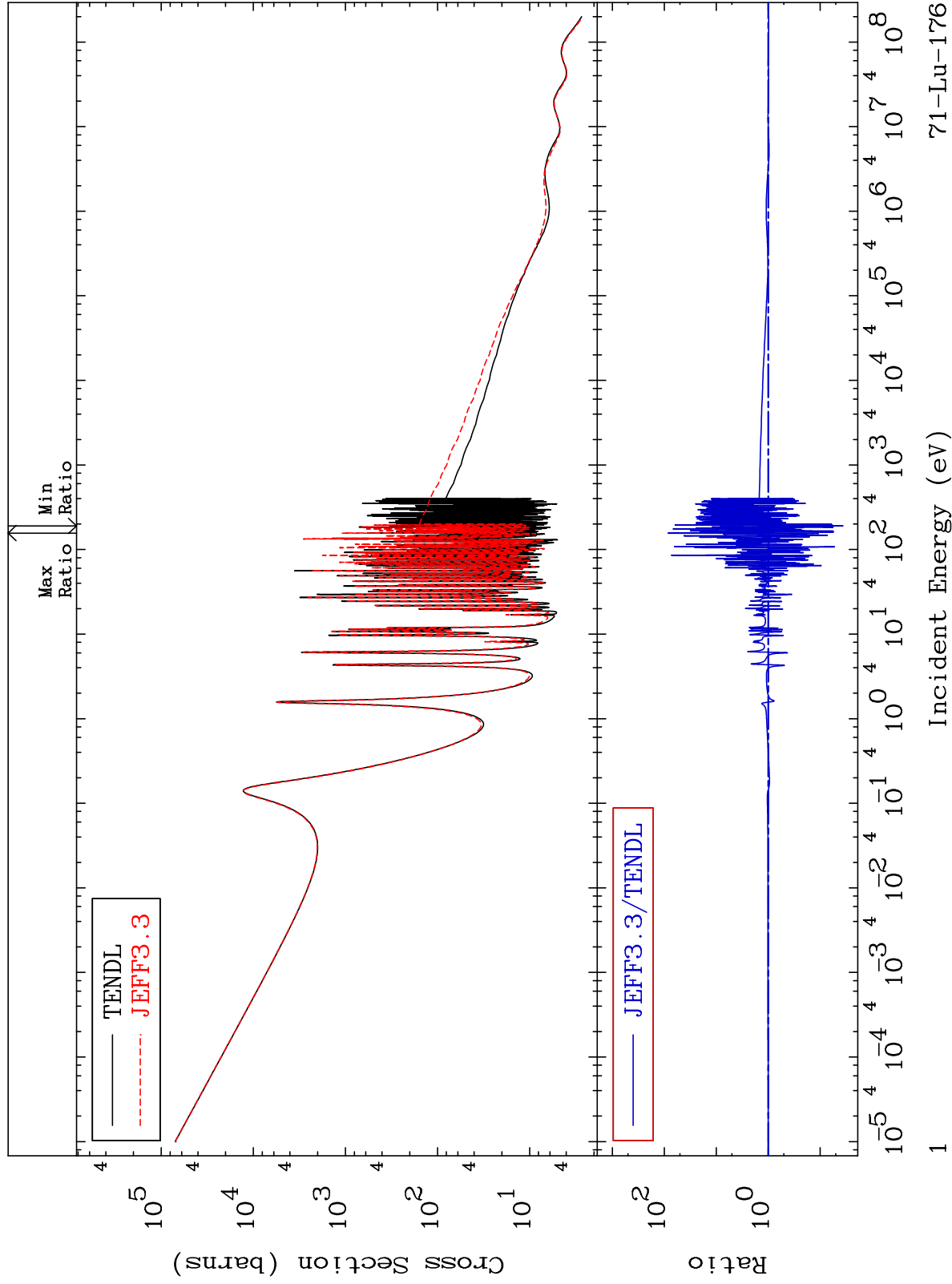
MAT 7128

Total

71-Lu-176

Cross Section

-96.36 To 8379. %



71-Lu-176

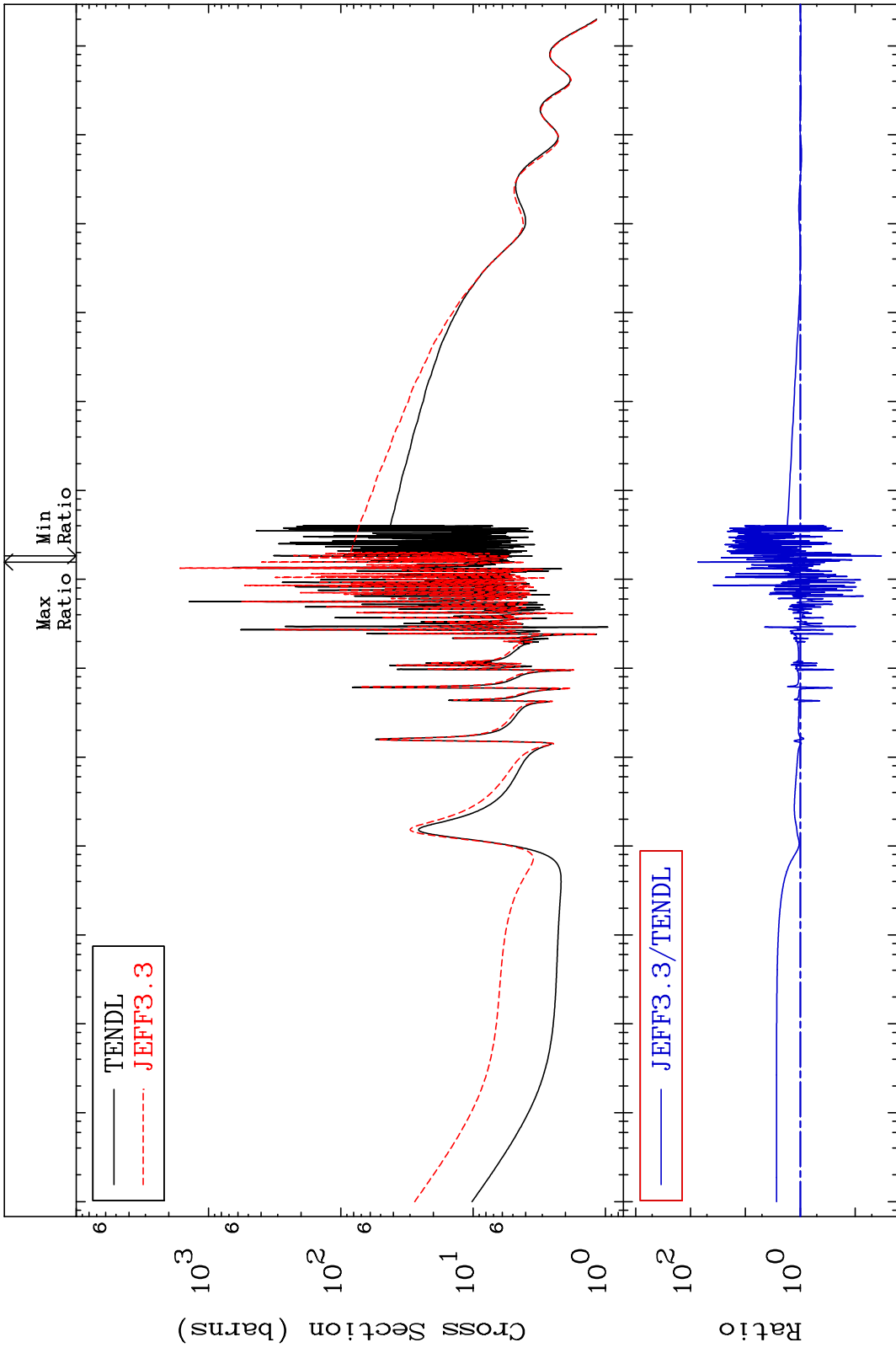
MAT 7128

Elastic

71-Lu-176

Cross Section

-96.69 To 7268. %



Incident Energy (eV)

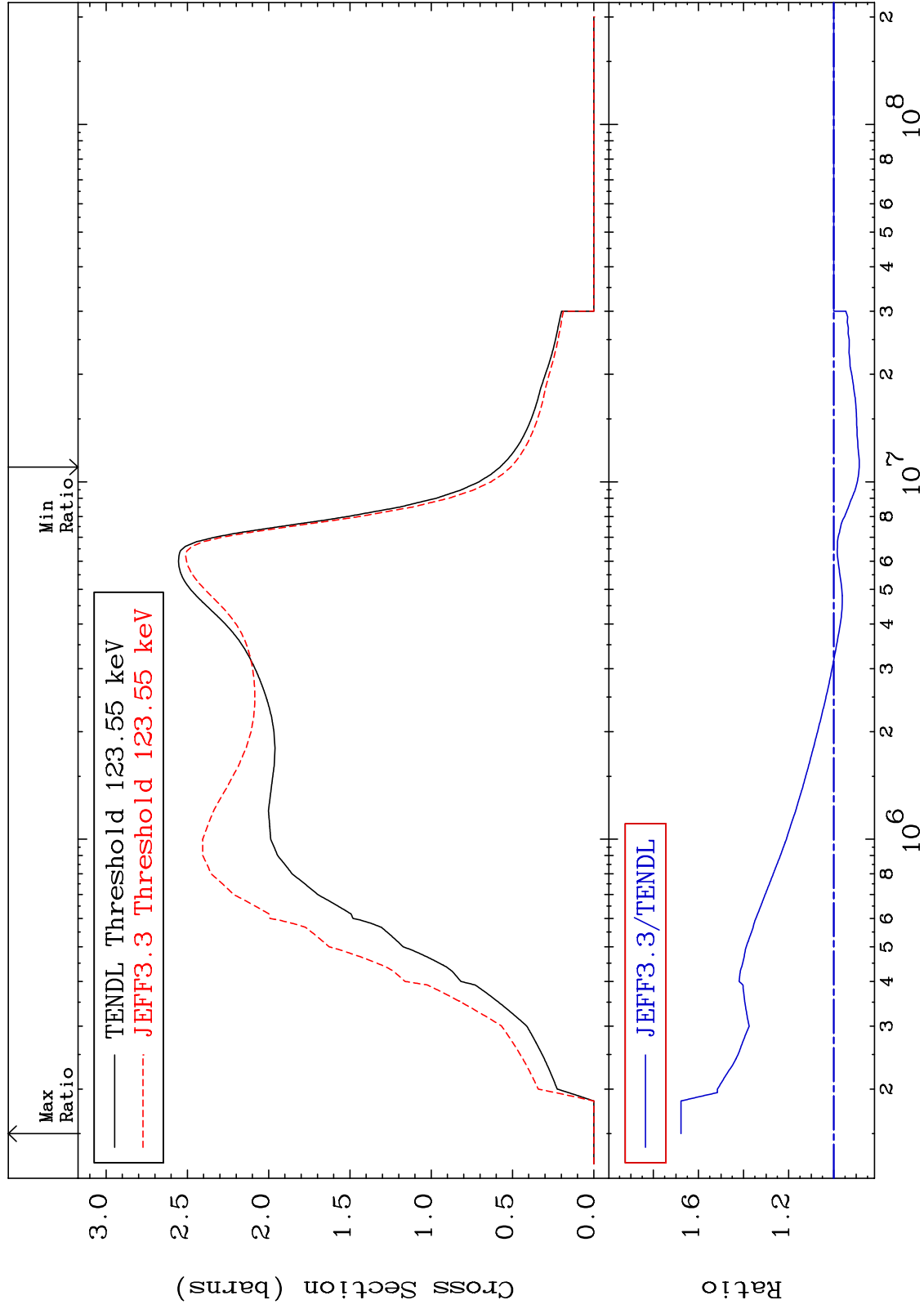
71-Lu-176

2

MAT 7128

Inelastic
Cross Section

71-Lu-176
-11.34 To 67.74 %



3

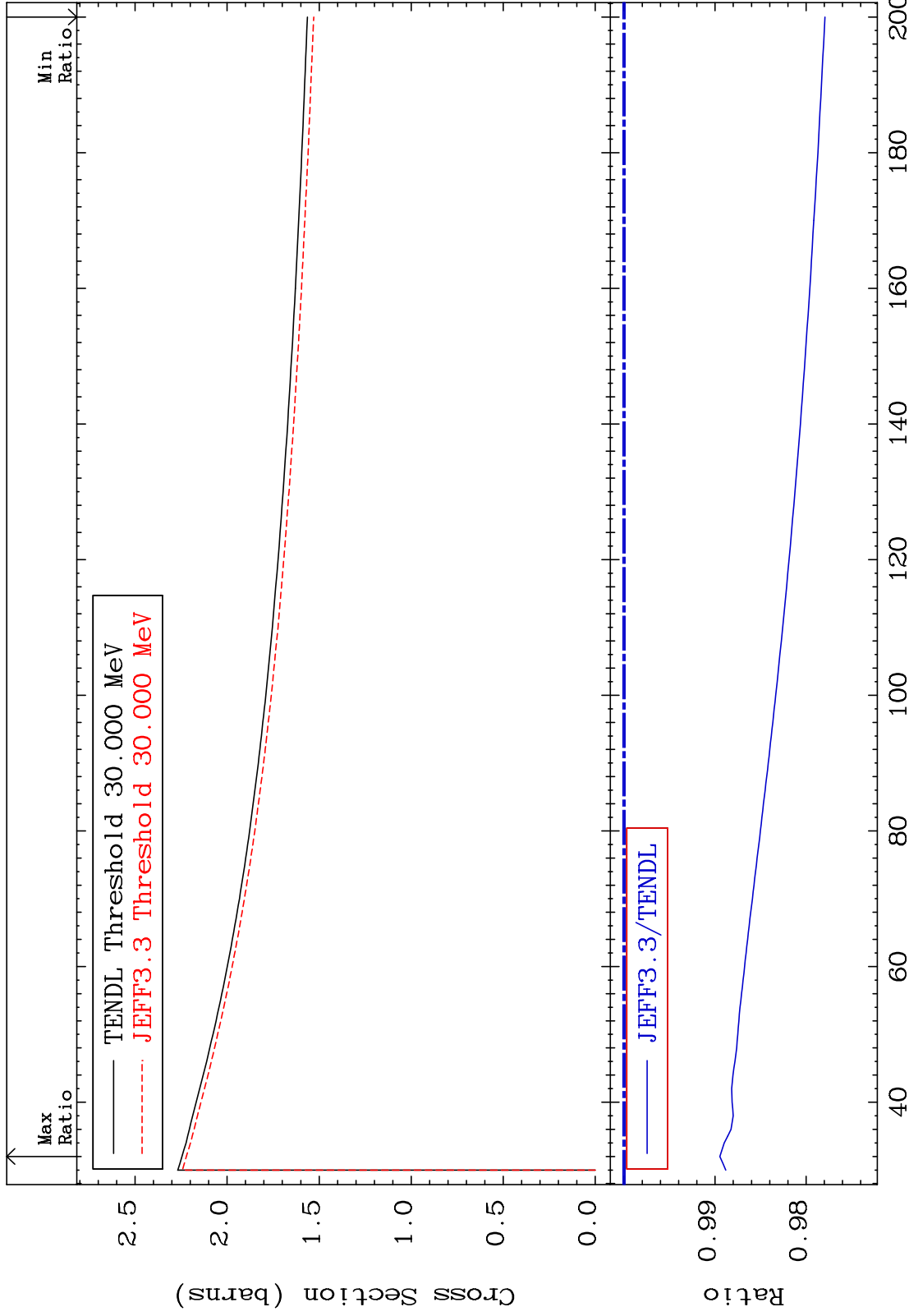
Incident Energy (eV)

71-Lu-176

MAT 7128

(n, remainder)
Cross Section

71-Lu-176
-2.208 To -1.053%



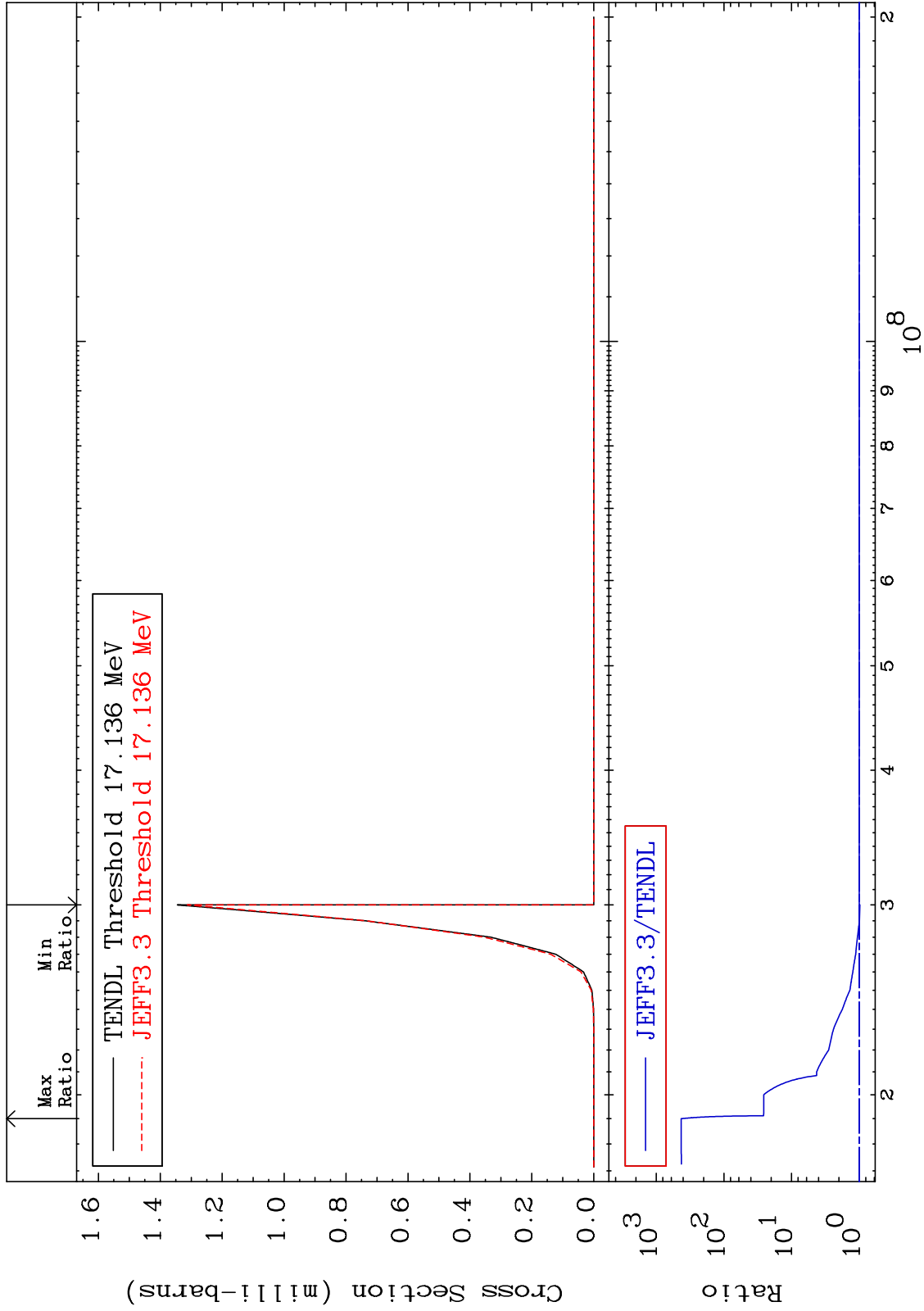
MAT 7128

(n,2n) d

71-Lu-176

Cross Section

-2.382 To 9999. %



Incident Energy (eV)

71-Lu-176

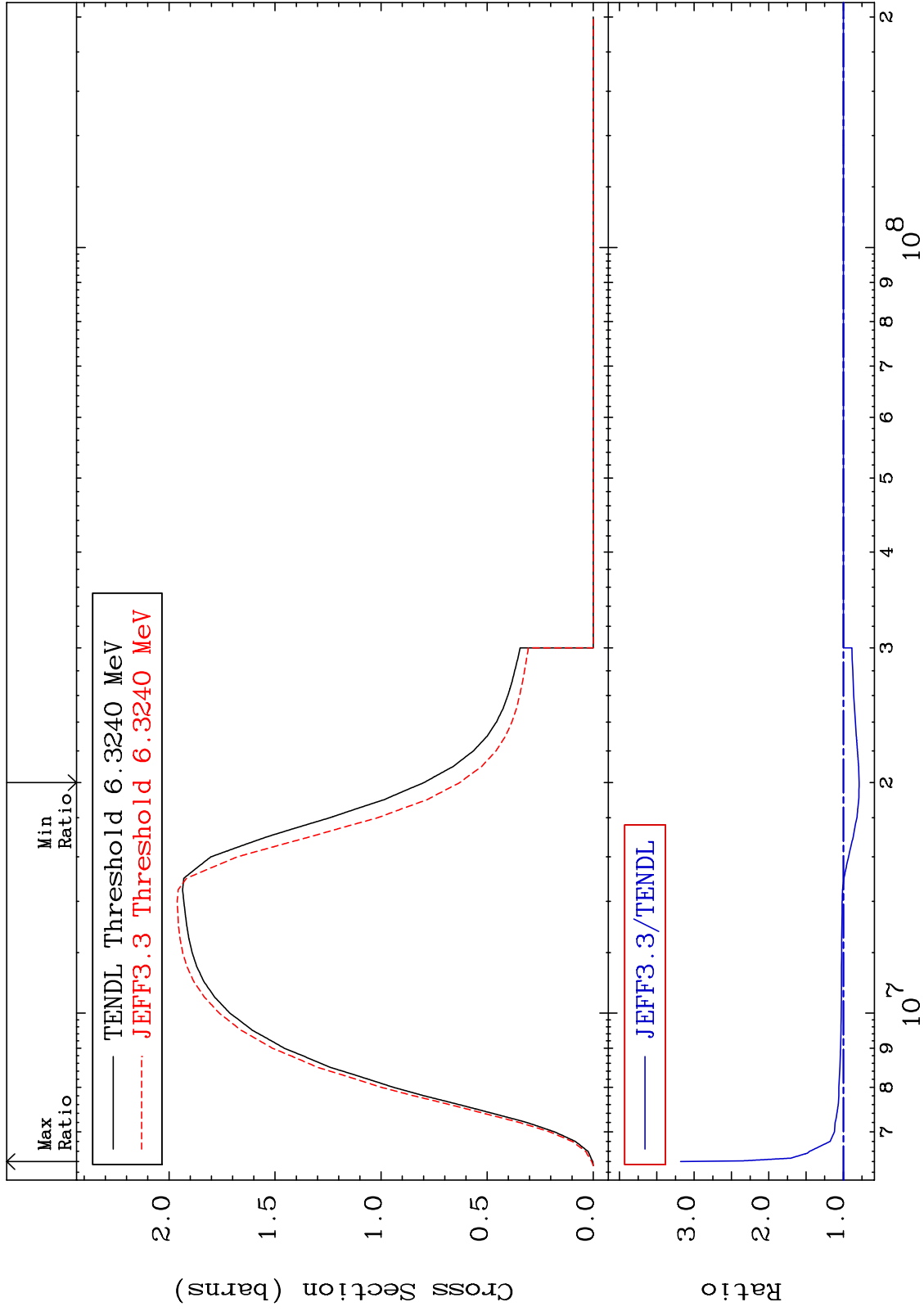
MAT 7128

(n, 2n)

⁷¹Lu-176

Cross Section

-21.13 To 218.1 %



6

Incident Energy (eV)

⁷¹Lu-176

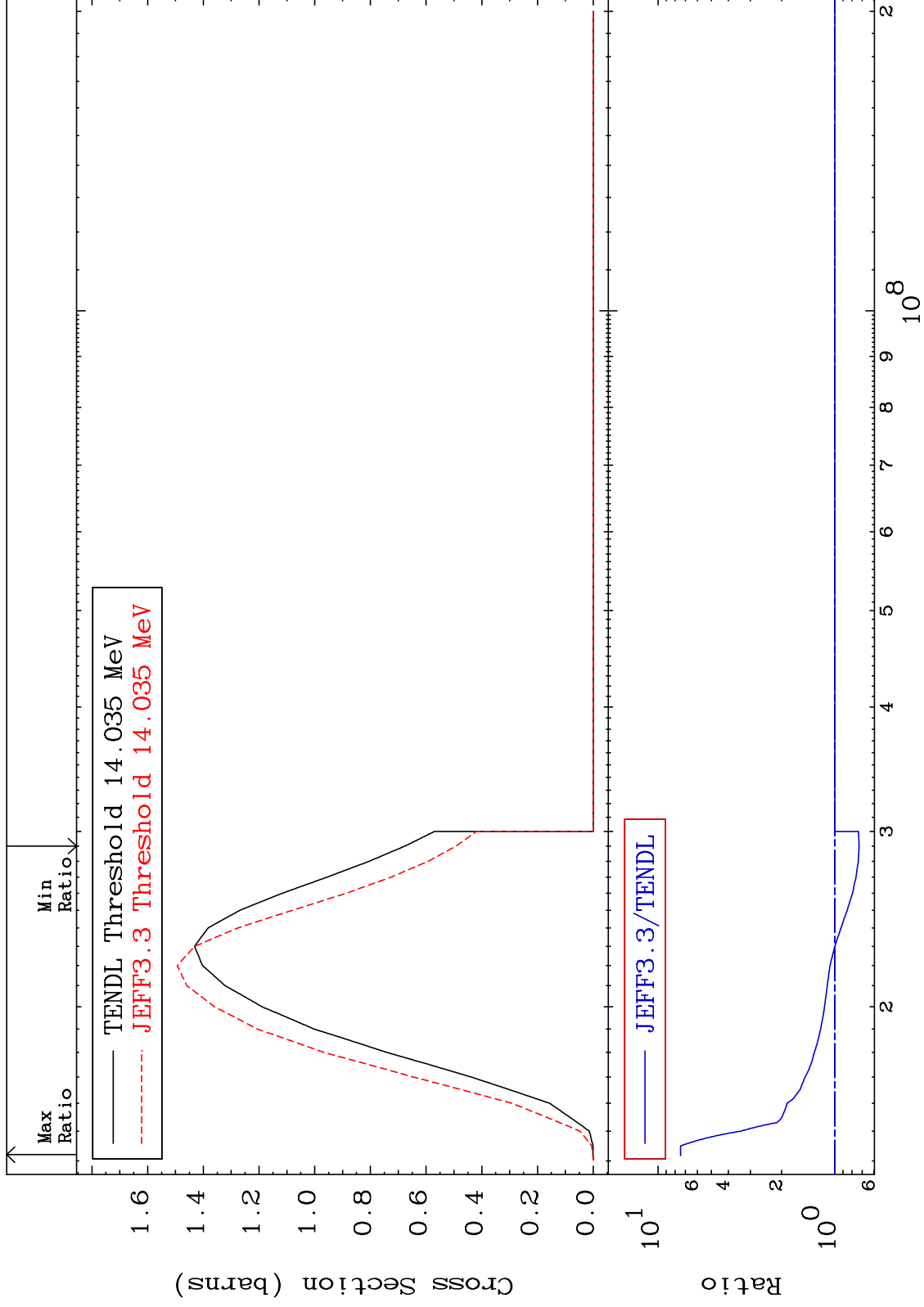
MAT 7128

(n, 3n)

⁷¹Lu-176

Cross Section

-27.18 To 645.2 %



⁷¹Lu-176

Incident Energy (eV)

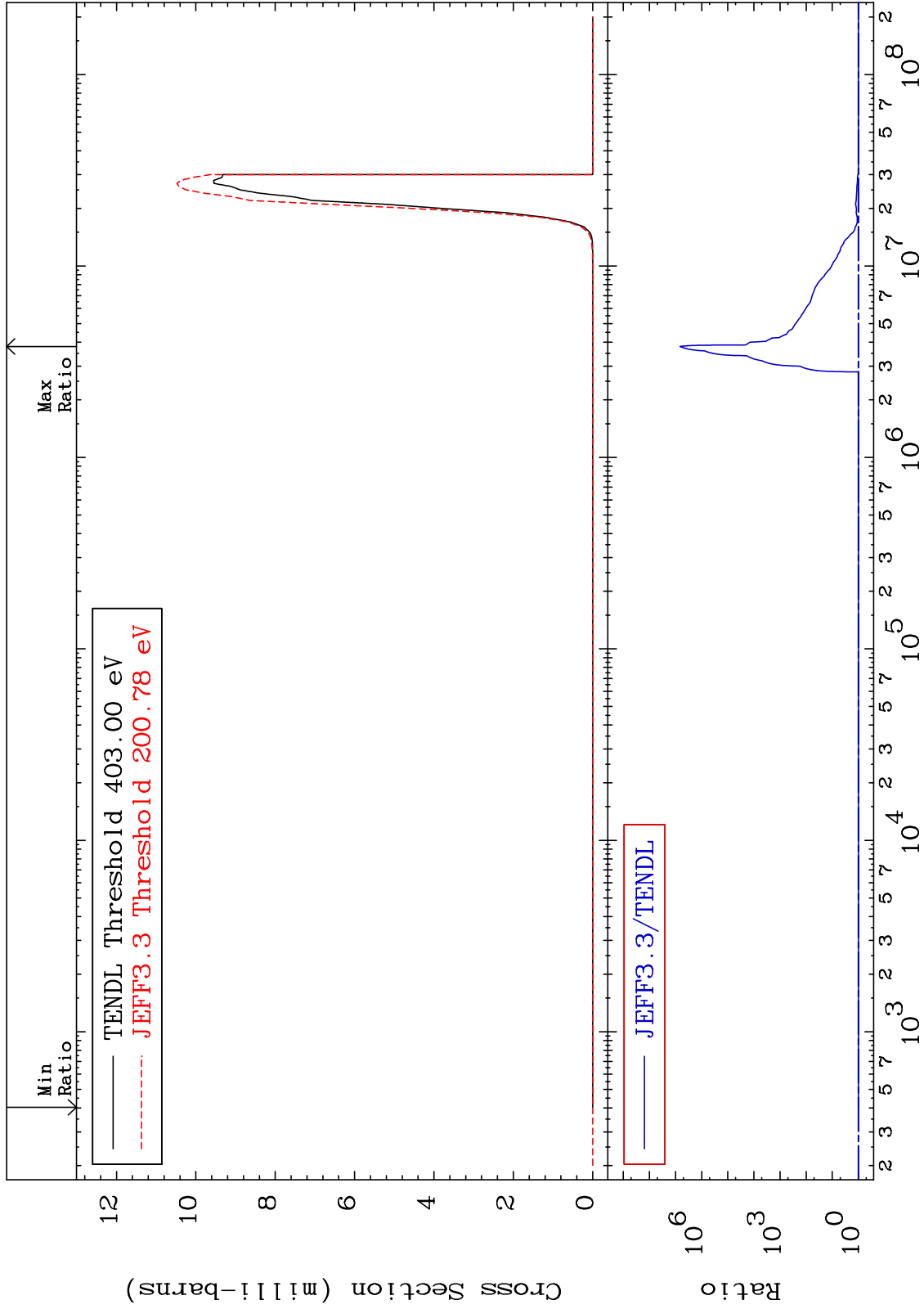
MAT 7128

(n, n') α

71-Lu-176

Cross Section

0.000 To 9999. %



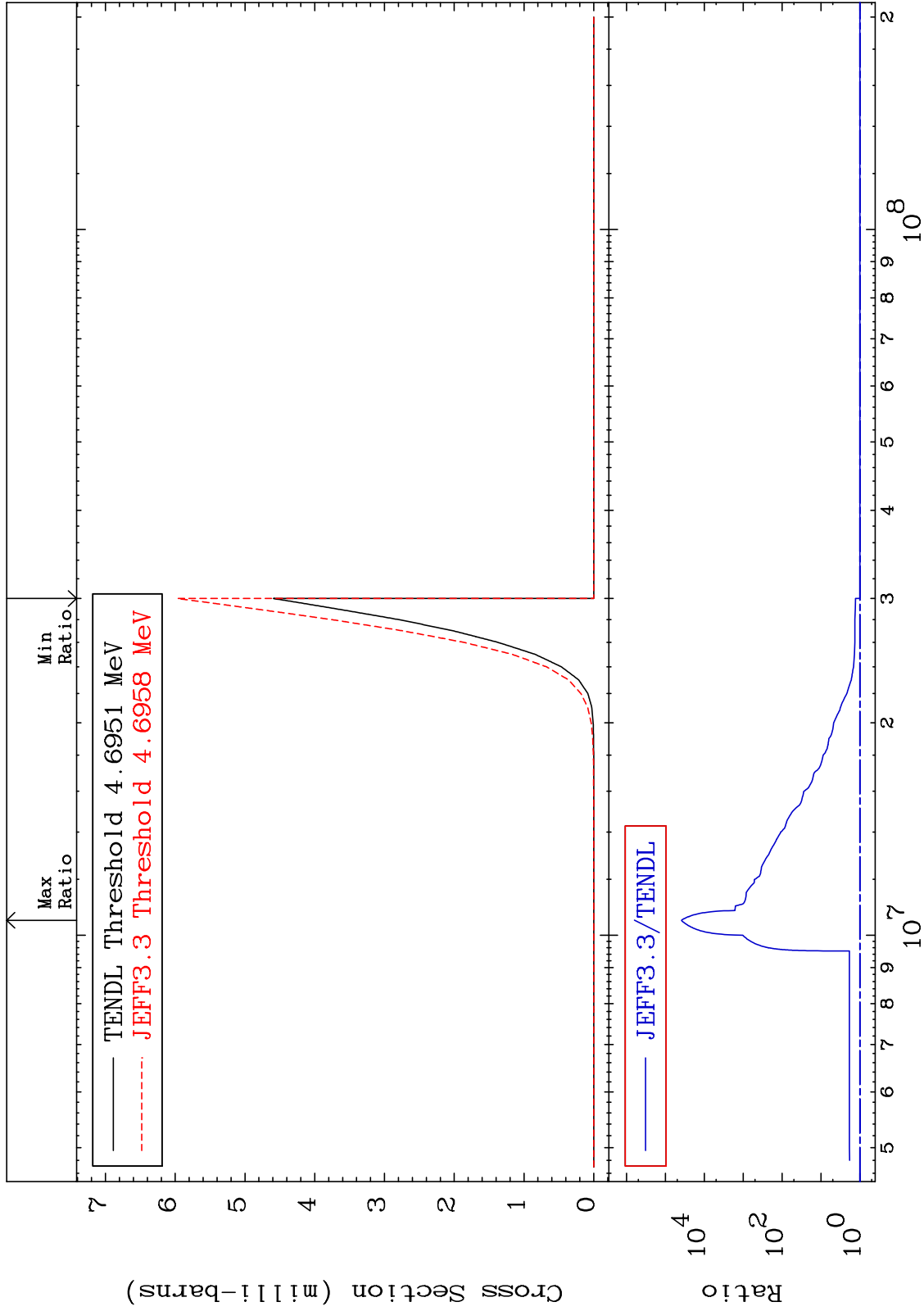
MAT 7128

(n,2n) α

71-Lu-176

Cross Section

0.000 To 9999. %



MAT 7128

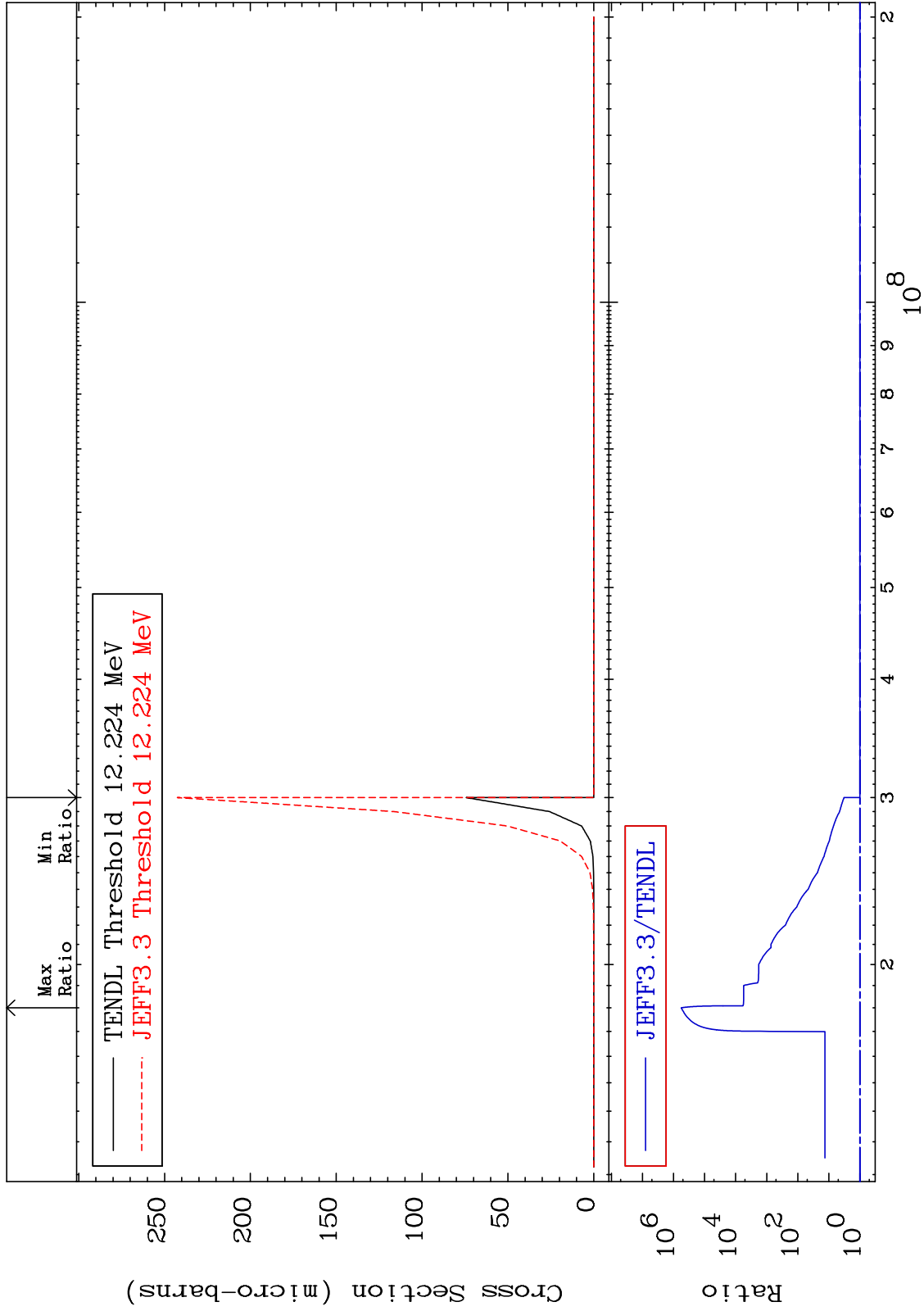
(n,3n) α

⁷¹-Lu-176

Cross Section

0.000

To 9999. %



10

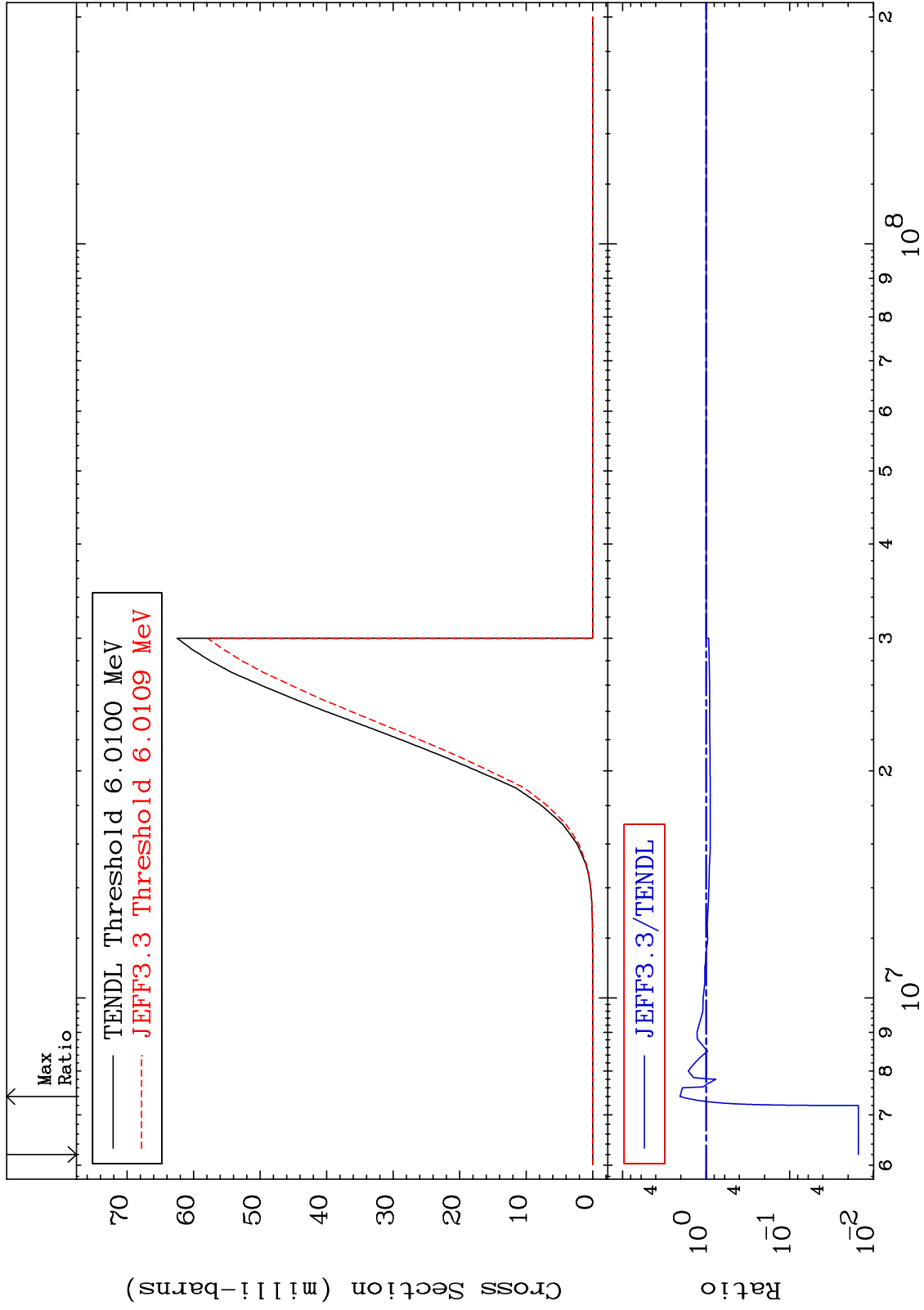
Incident Energy (eV)

⁷¹-Lu-176

MAT 7128

(n,n') p
Cross Section

⁷¹Lu-176
-98.50 To 105.1 %



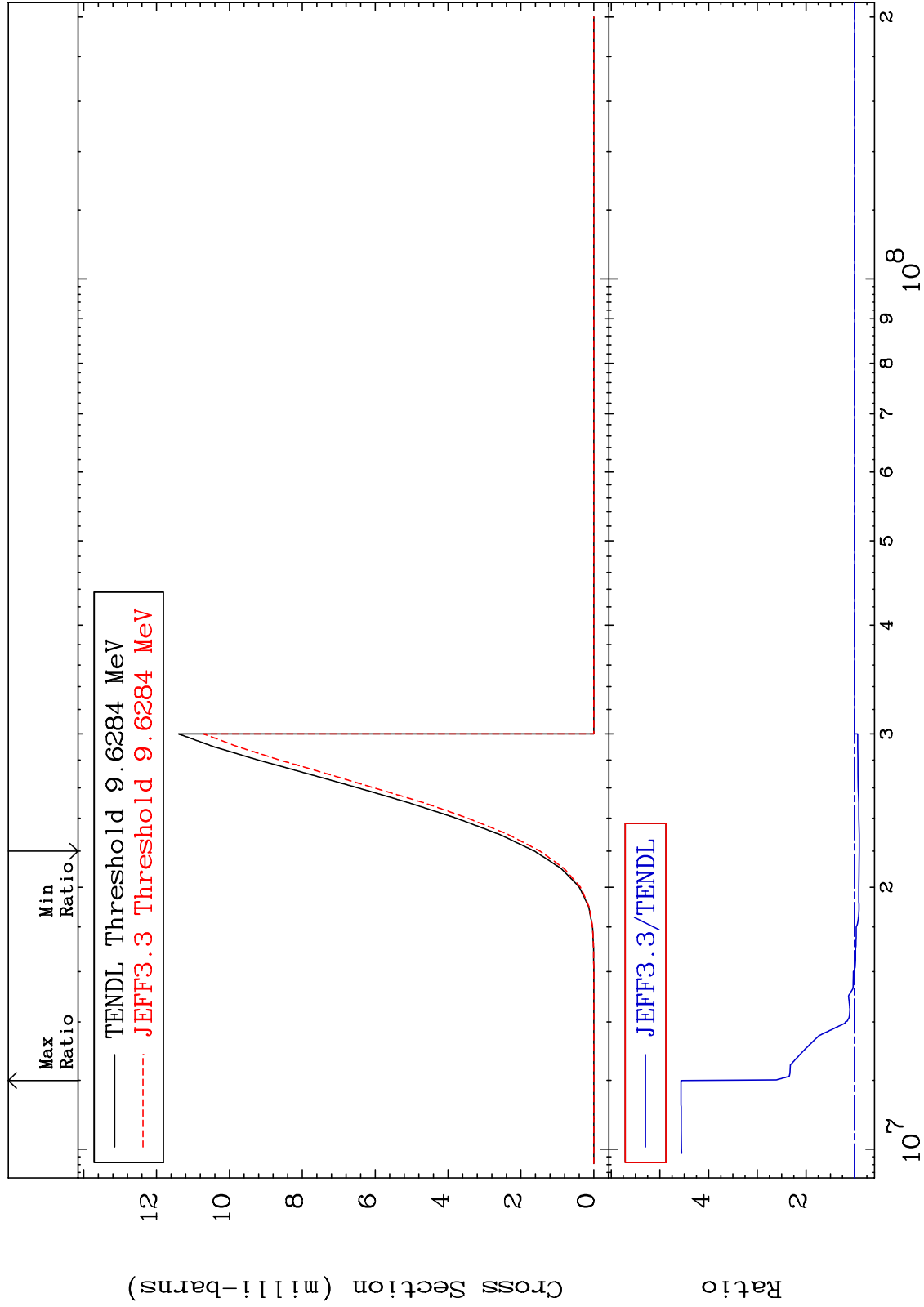
MAT 7128

(n, n') d

71-Lu-176

Cross Section

-9.361 To 356.5 %



71-Lu-176

71-Lu-176

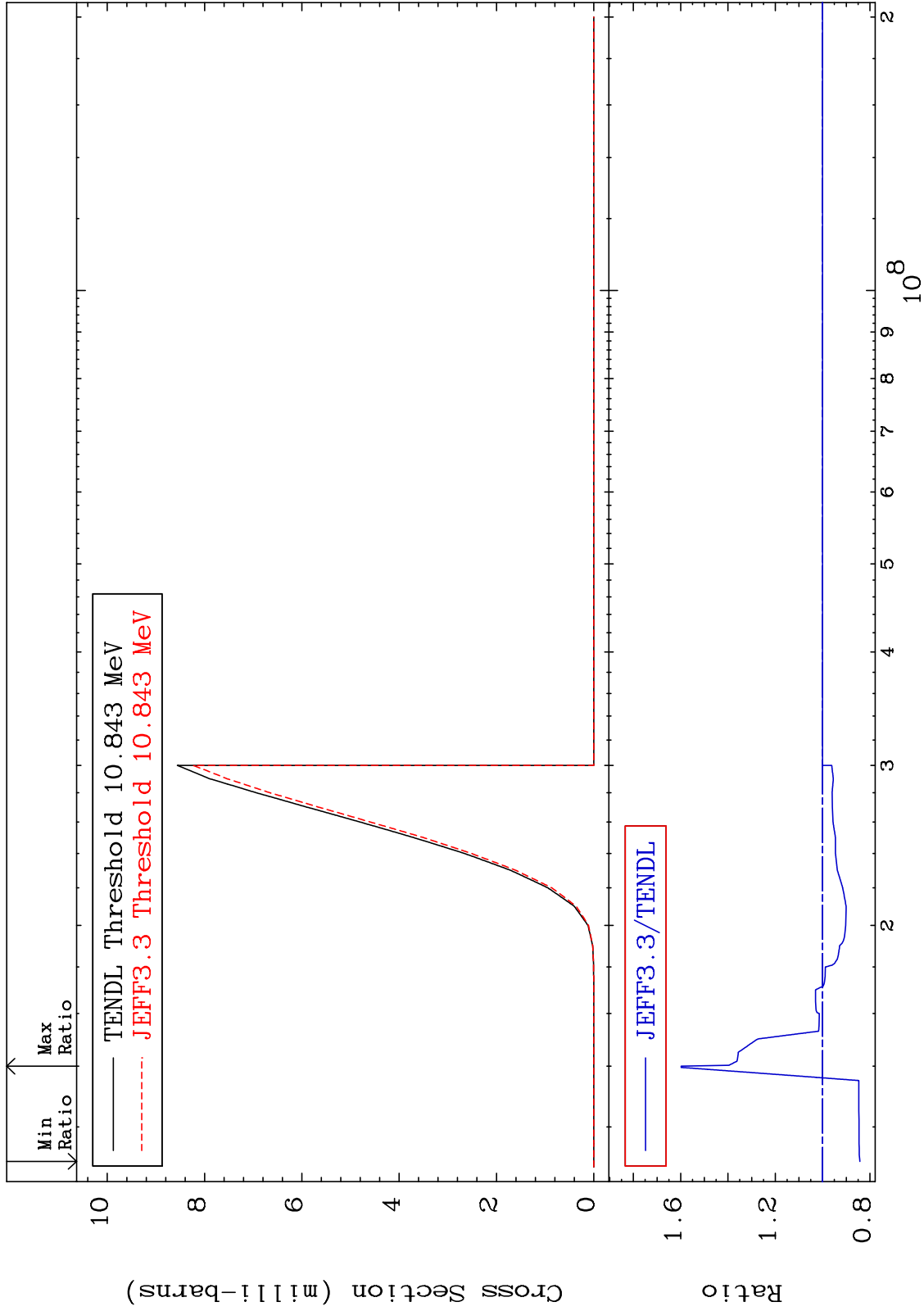
MAT 7128

(n, n') t

71-Lu-176

Cross Section

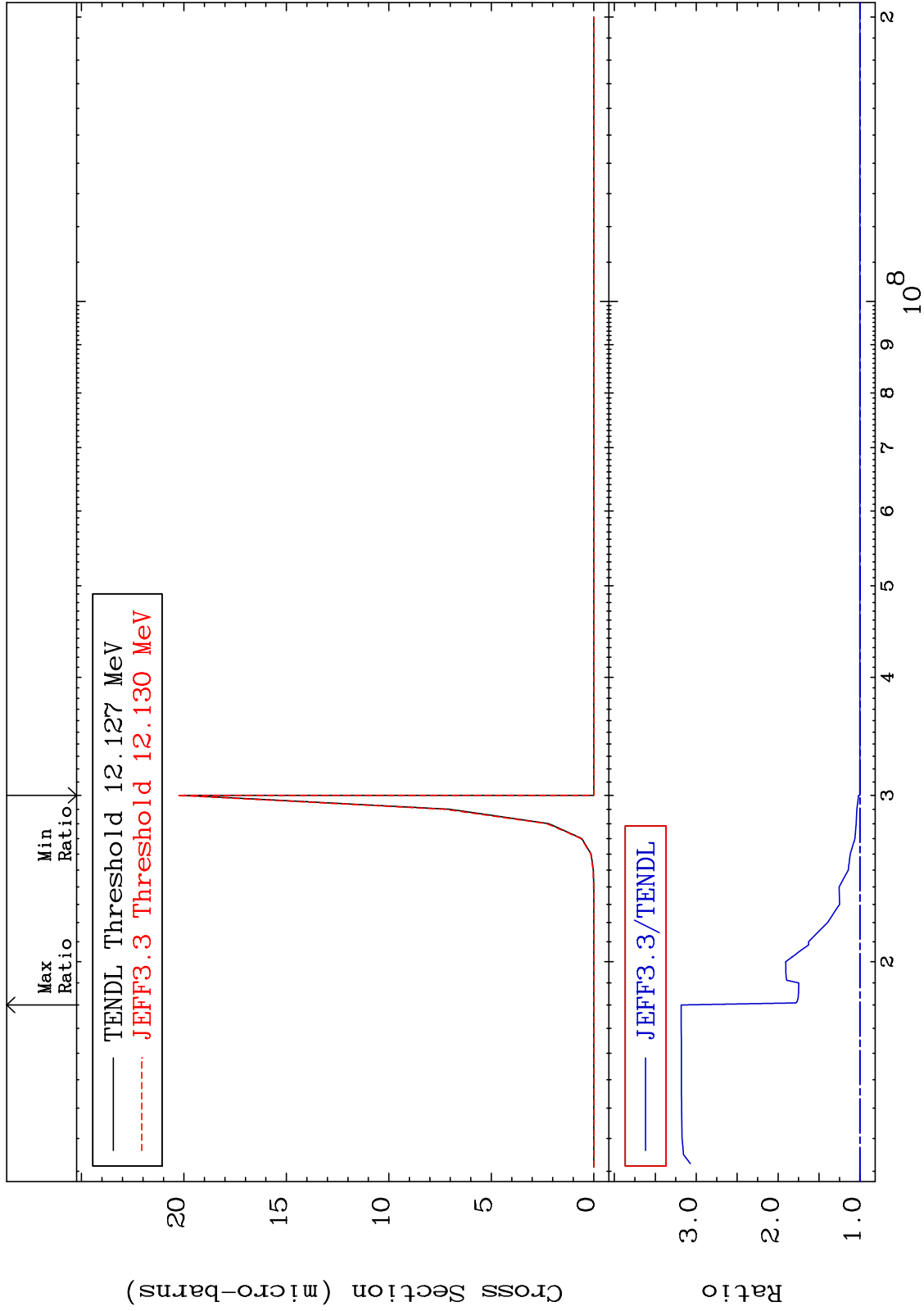
-15.78 To 59.77 %



MAT 7128

(n, n') He-3
Cross Section

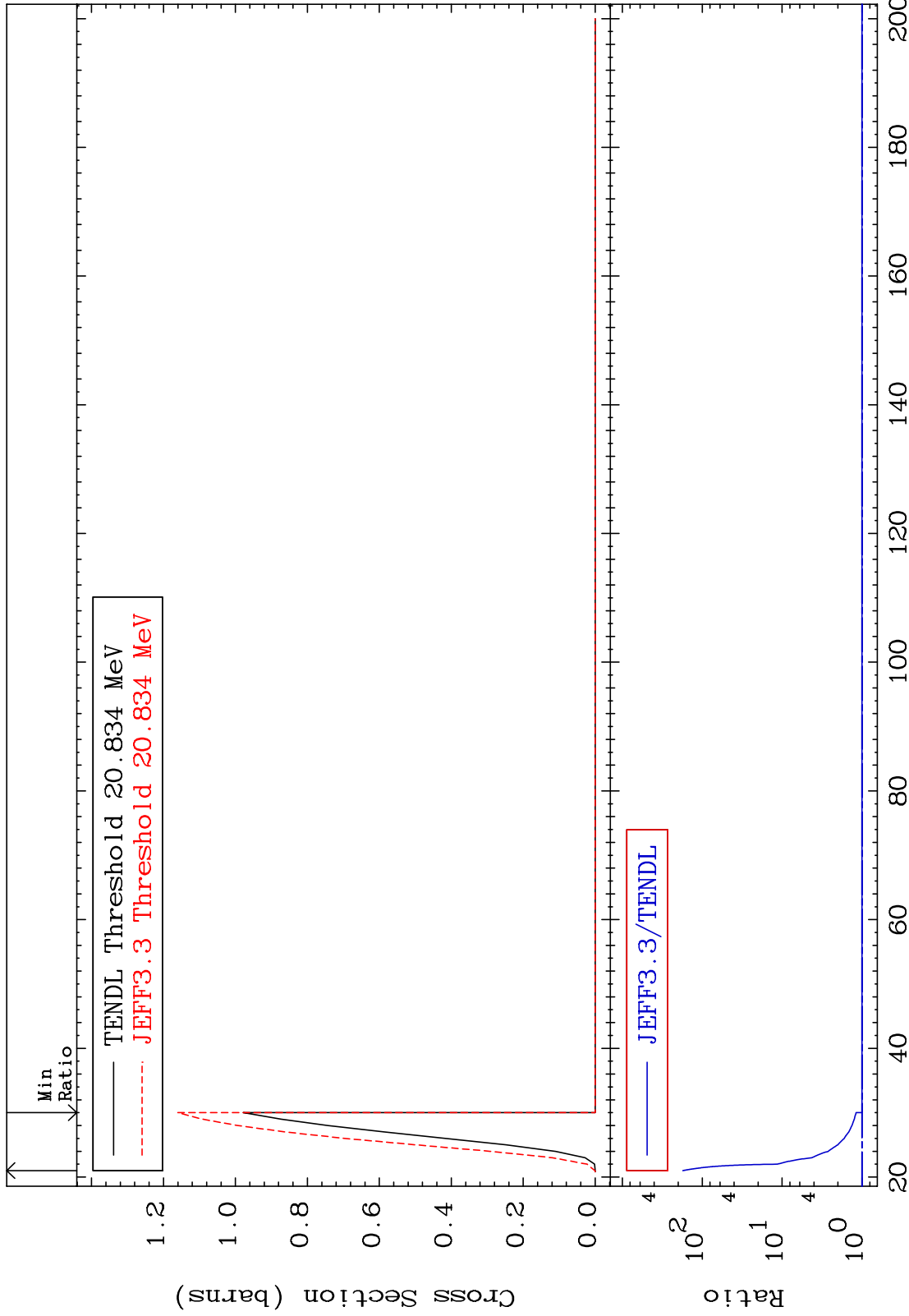
71-Lu-176
To 218.4 %
0.000



71-Lu-176

Incident Energy (eV)

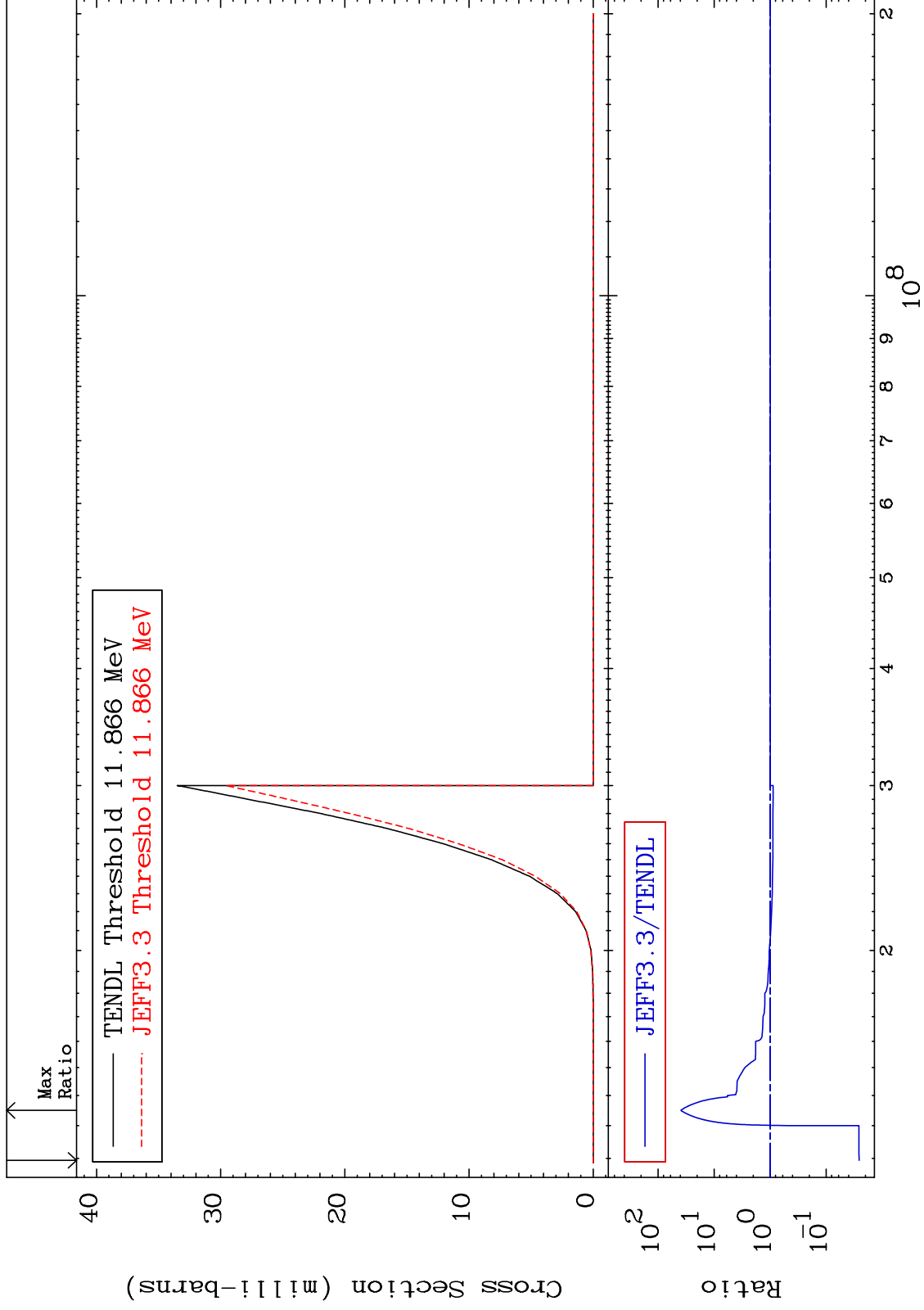
MAT 7128 $(n, 4n)$ $^{71}\text{Lu-176}$ Cross Section To 9999. % 0.000



MAT 7128

(n,2n) p
Cross Section

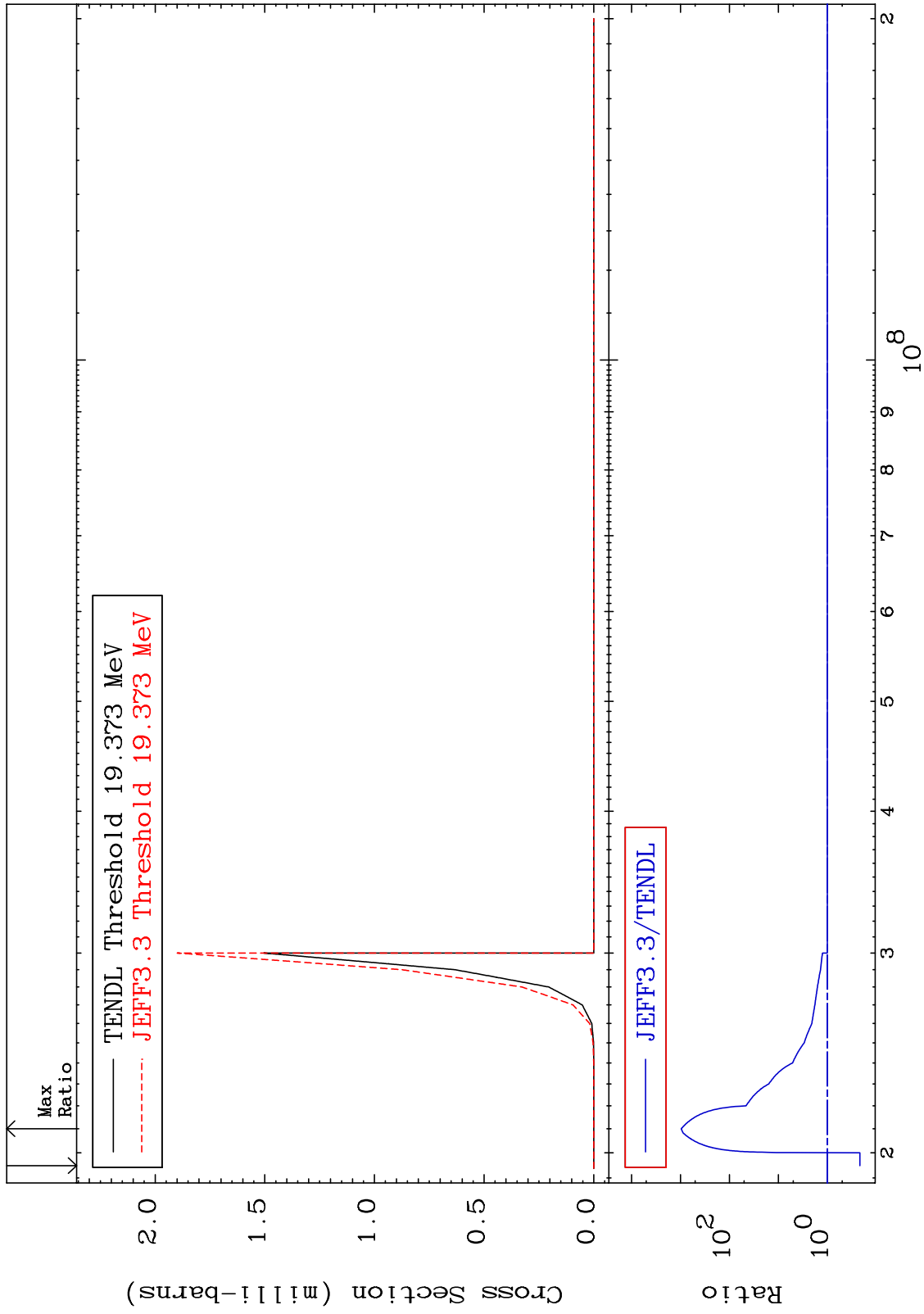
71-Lu-176
-97.41 To 3854. %



MAT 7128

(n,3n) p
Cross Section

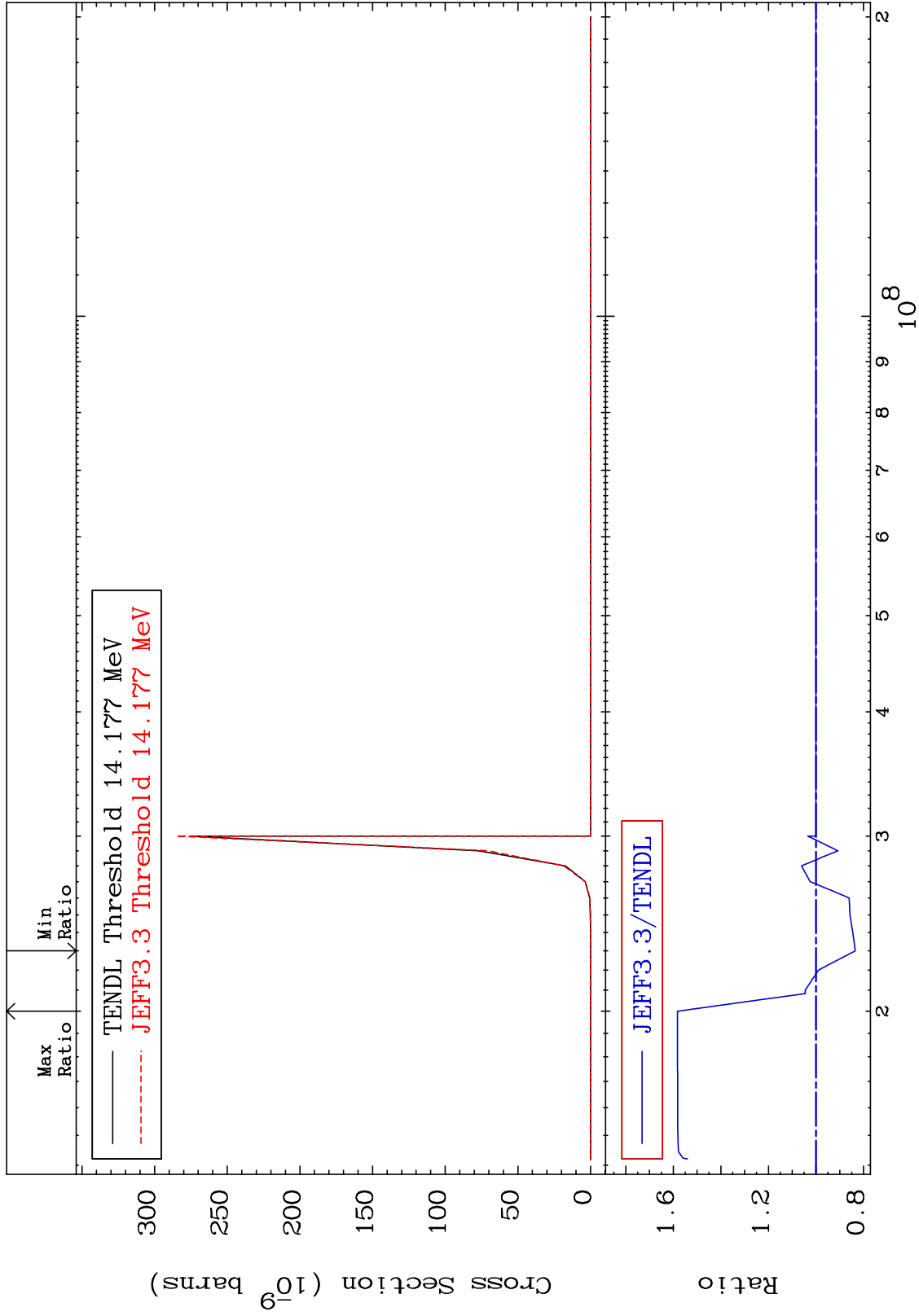
71-Lu-176
-78.34 To 9999. %



MAT 7128

(n,2n) p
Cross Section

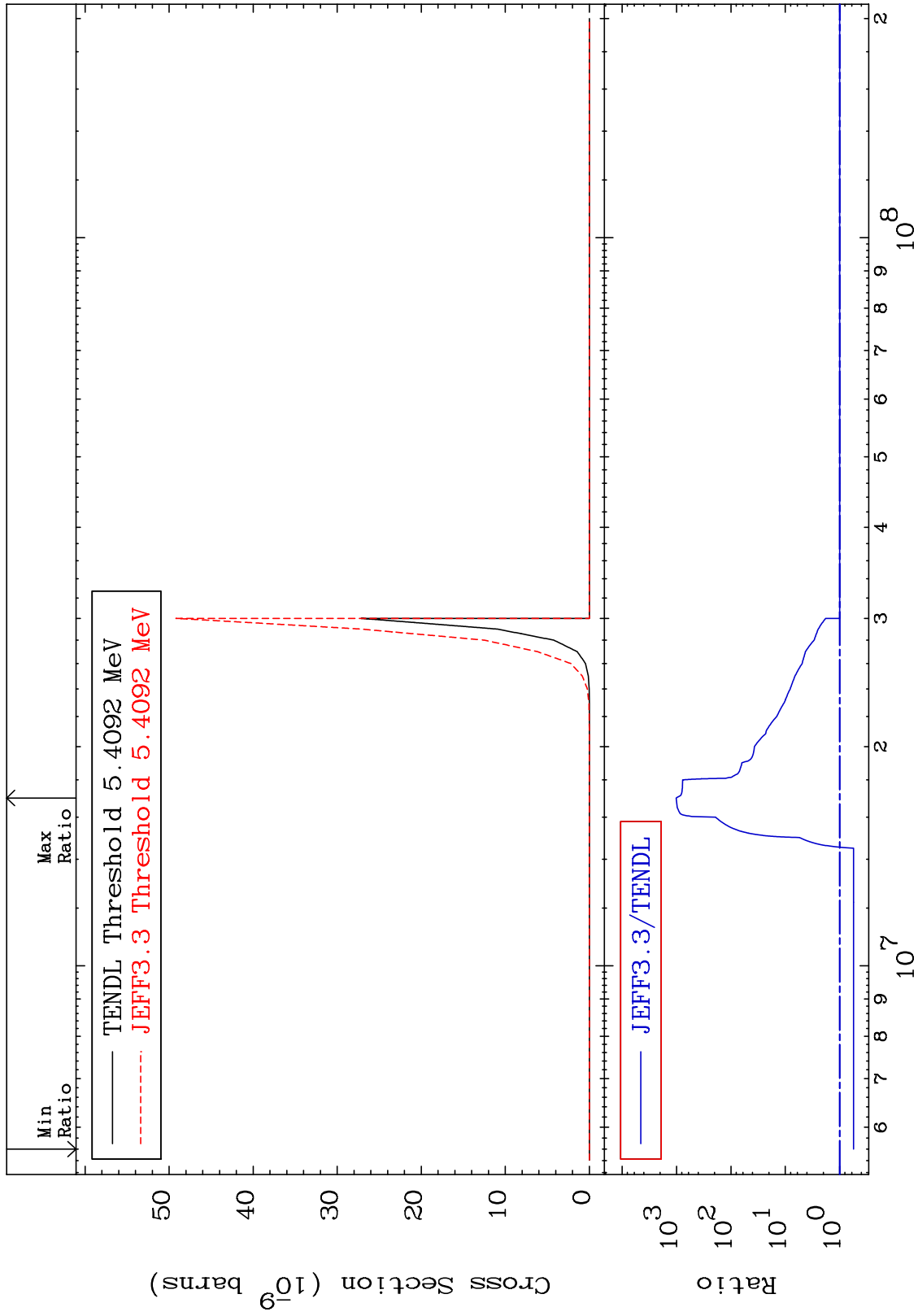
71-Lu-176
-16.52 To 58.22 %



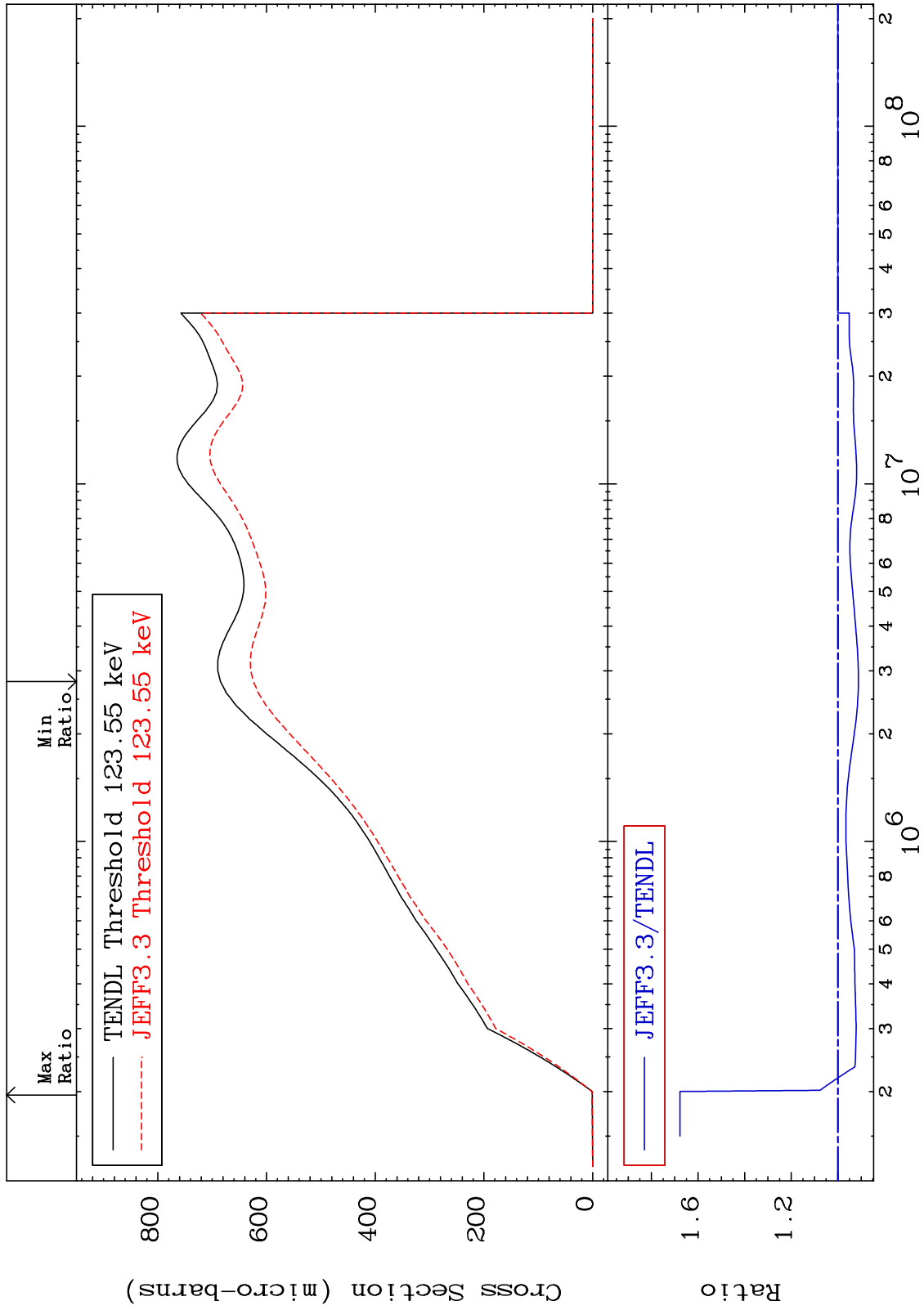
MAT 7128

(n, n') p α
Cross Section

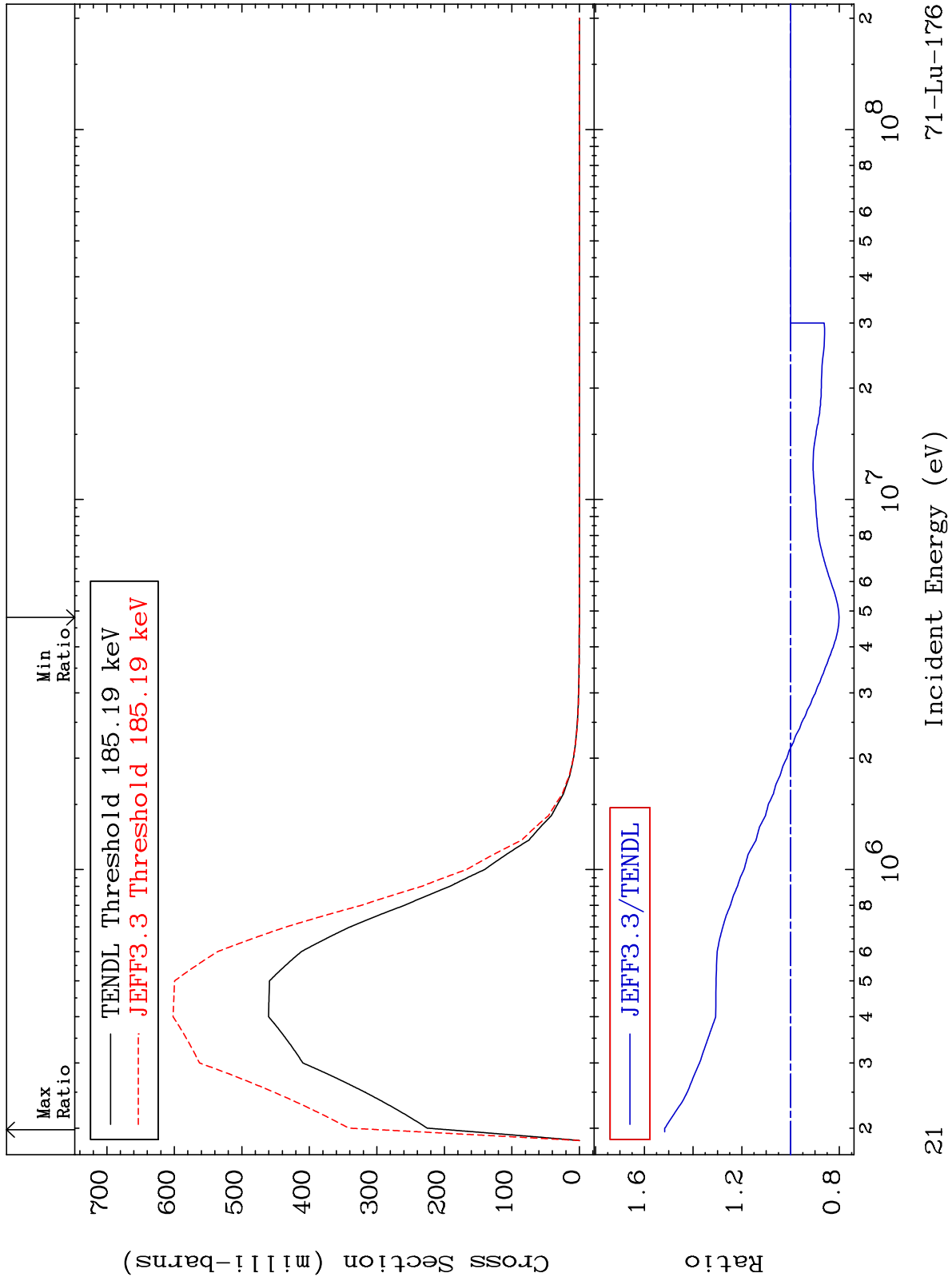
71-Lu-176
-44.48 To 9999. %



MAT 7128 MT= 51 (n, n') Level 71-Lu-176
 Cross Section -8.839 To 67.74 %



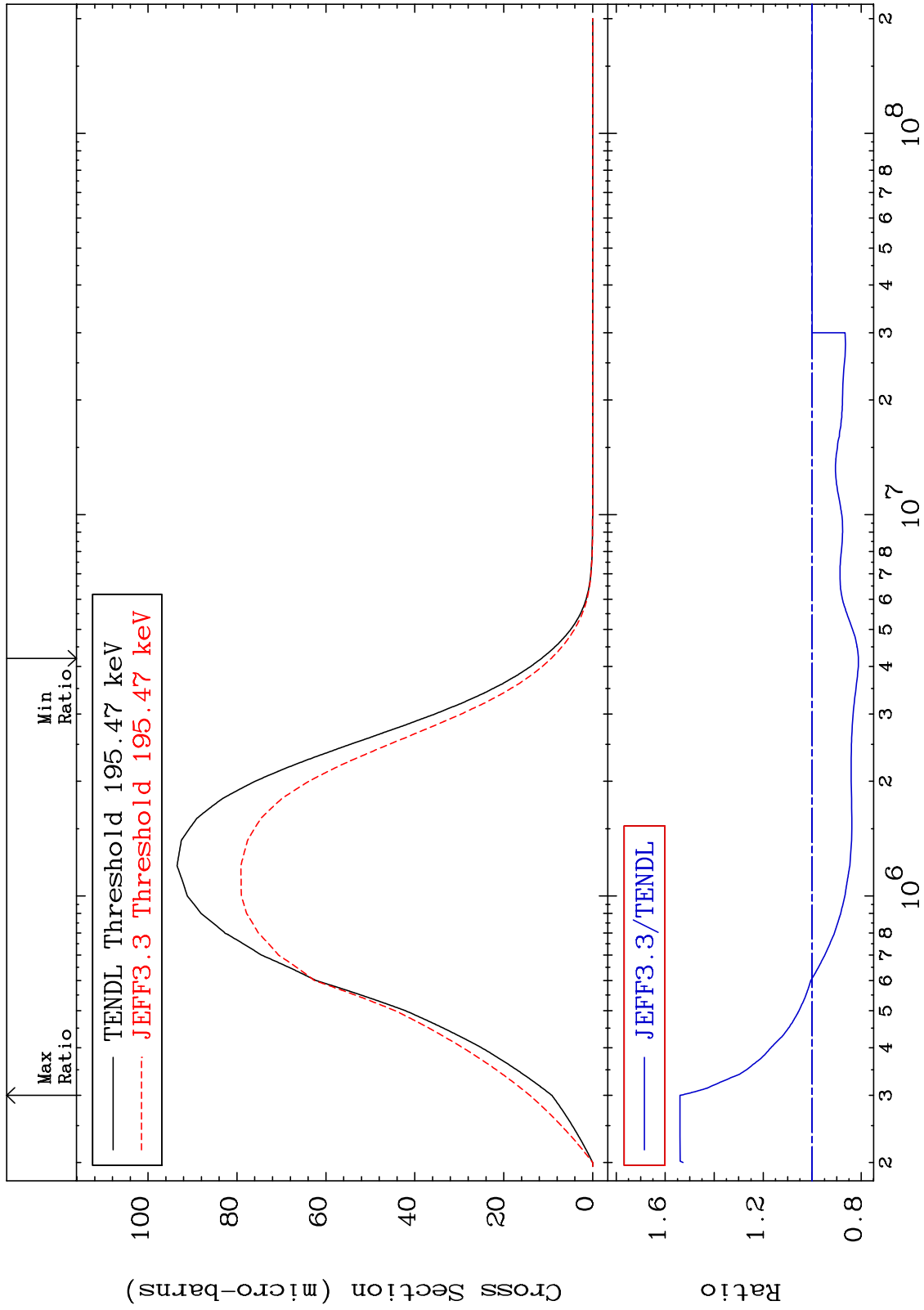
MAT 7128 MT= 52 (n,n') Level Cross Section 71-Lu-176 -19.89 To 51.63 %



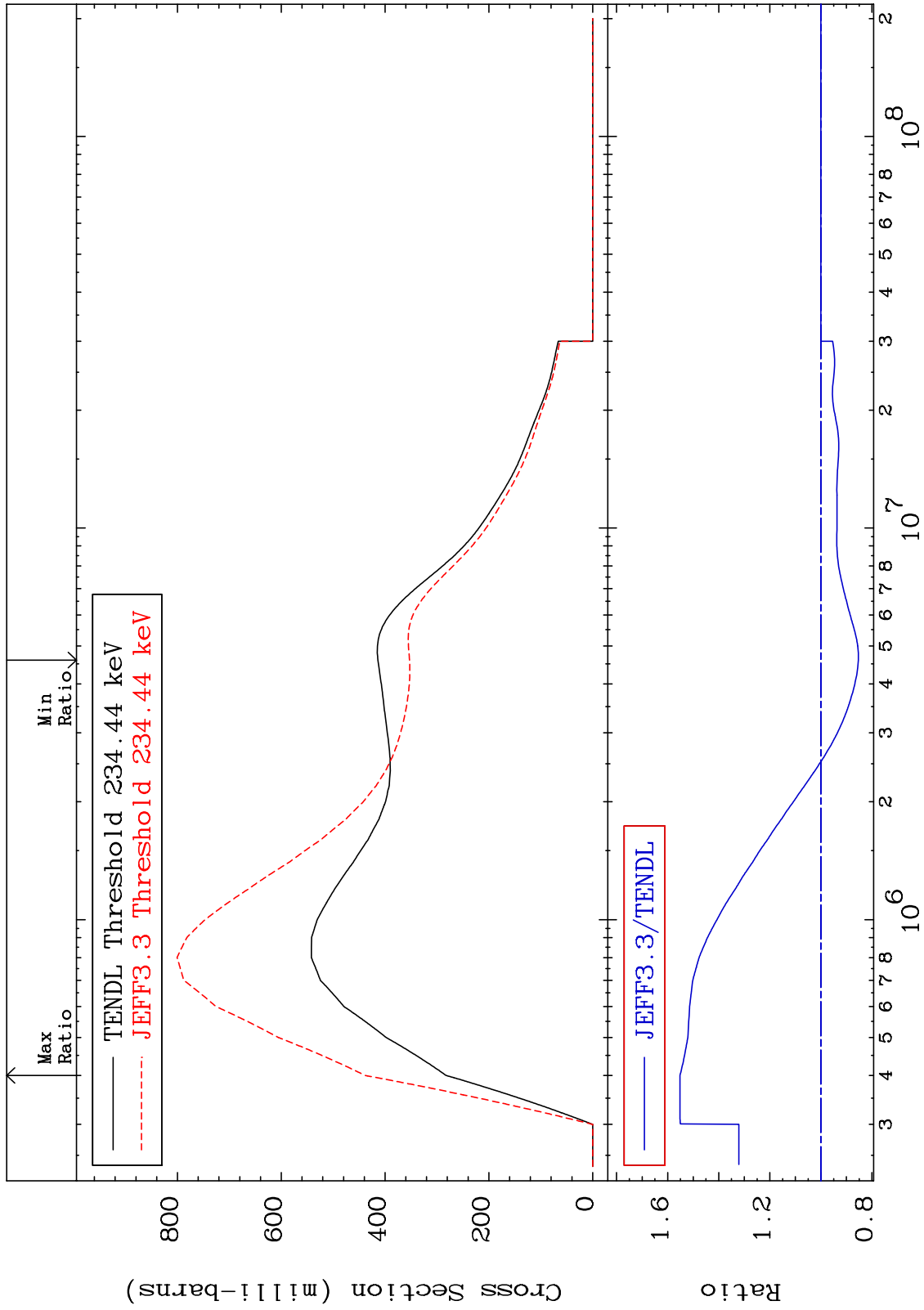
MAT 7128

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

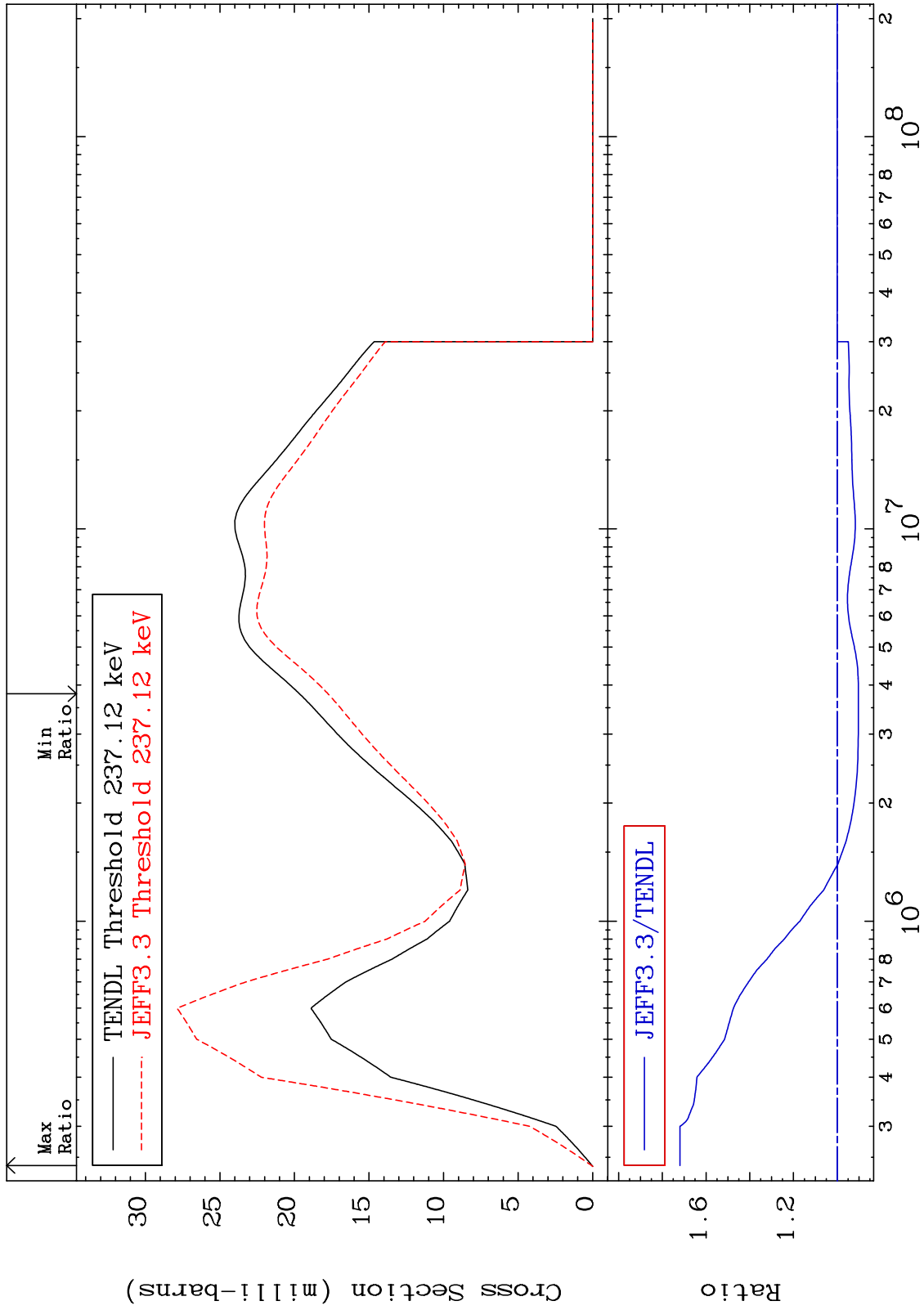
71-Lu-176
-18.86 To 53.96 %



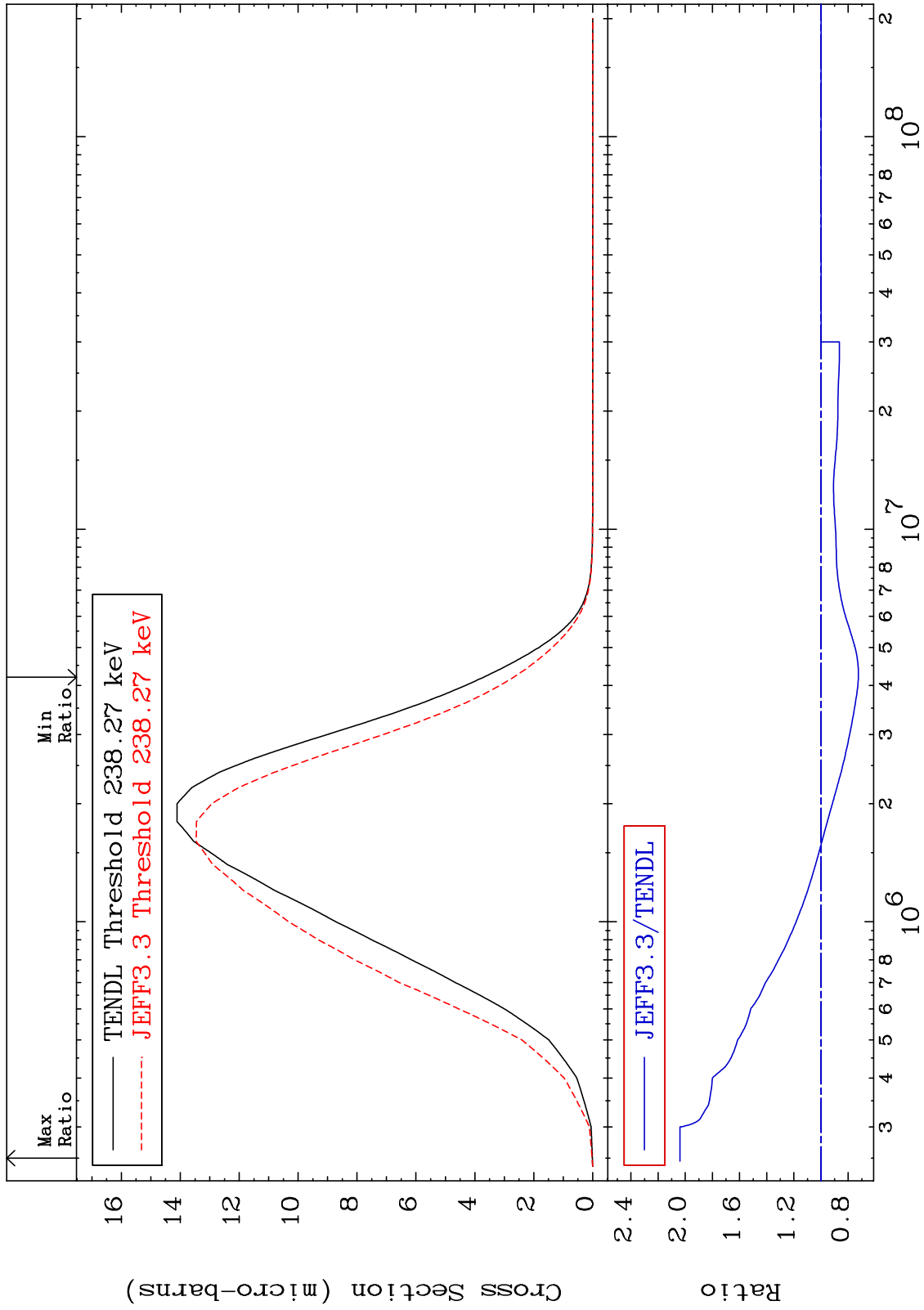
MAT 7128 MT= 54 (n,n') Level Cross Section -14.69 To 55.16 % 71-Lu-176



MAT 7128 MT= 55 (n,n') Level 71-Lu-176
 Cross Section -9.711 To 71.90 %



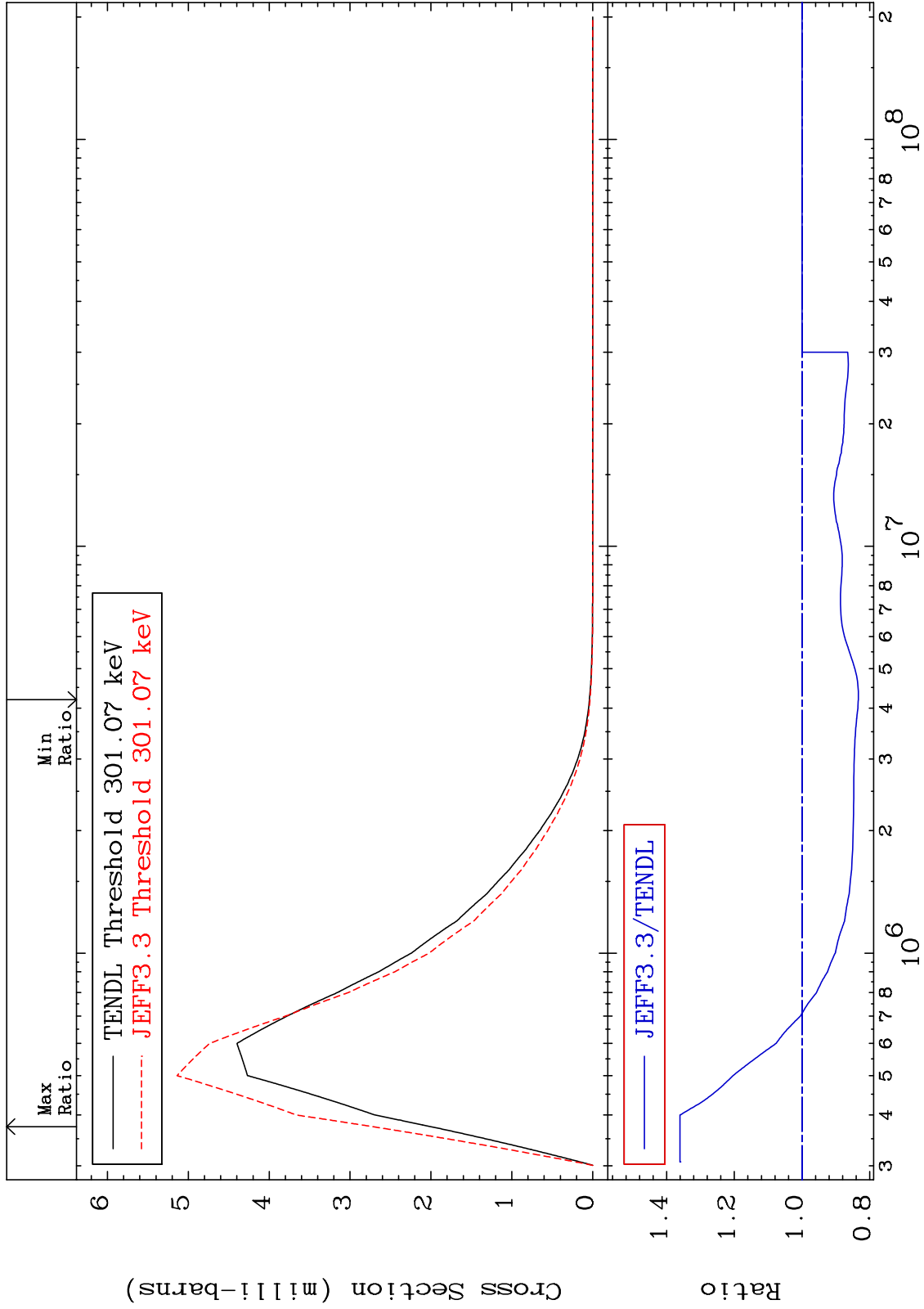
MAT 7128 MT= 56 (n,n') Level 71-Lu-176
 Cross Section -27.51 To 103.9 %



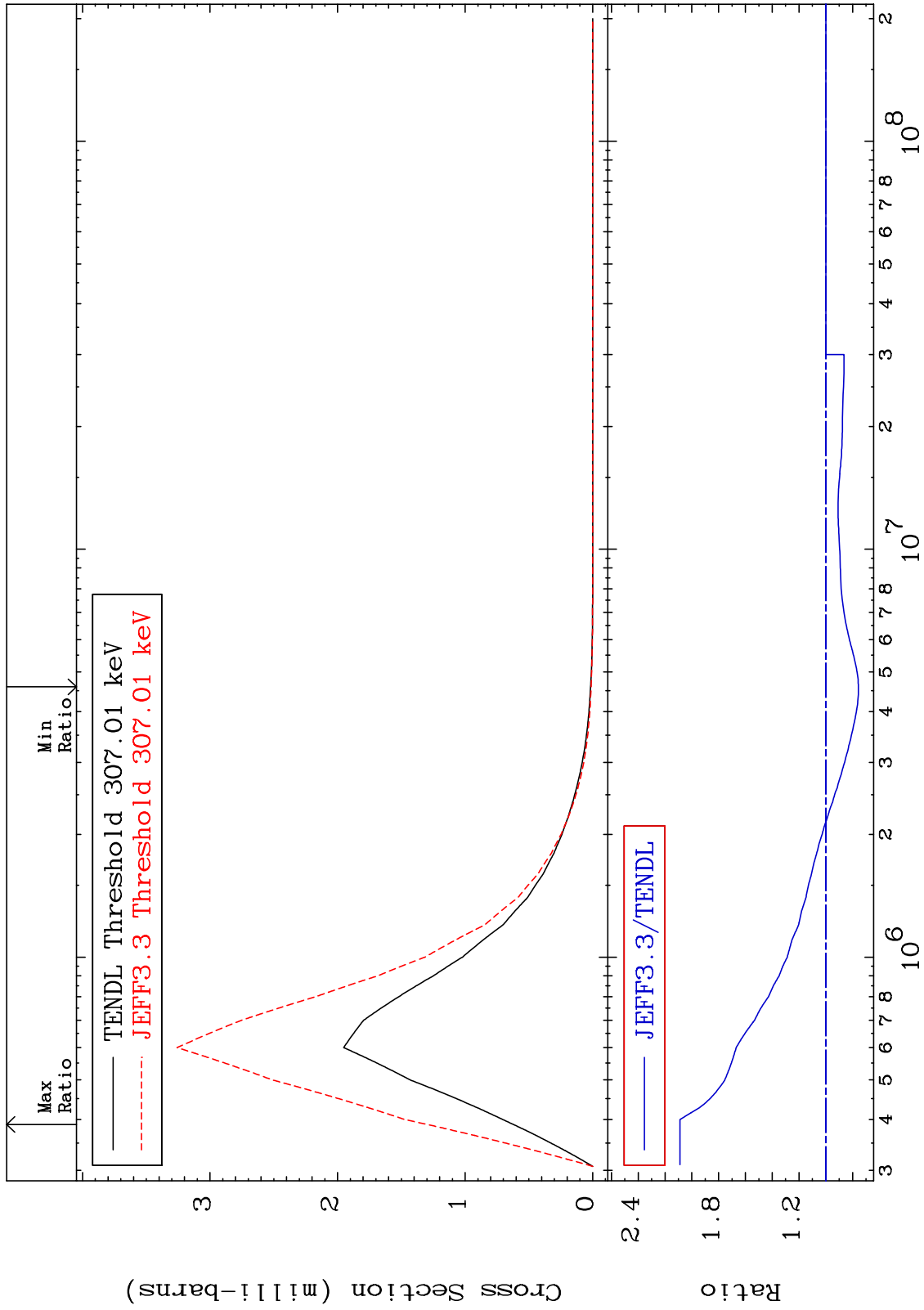
MAT 7128

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

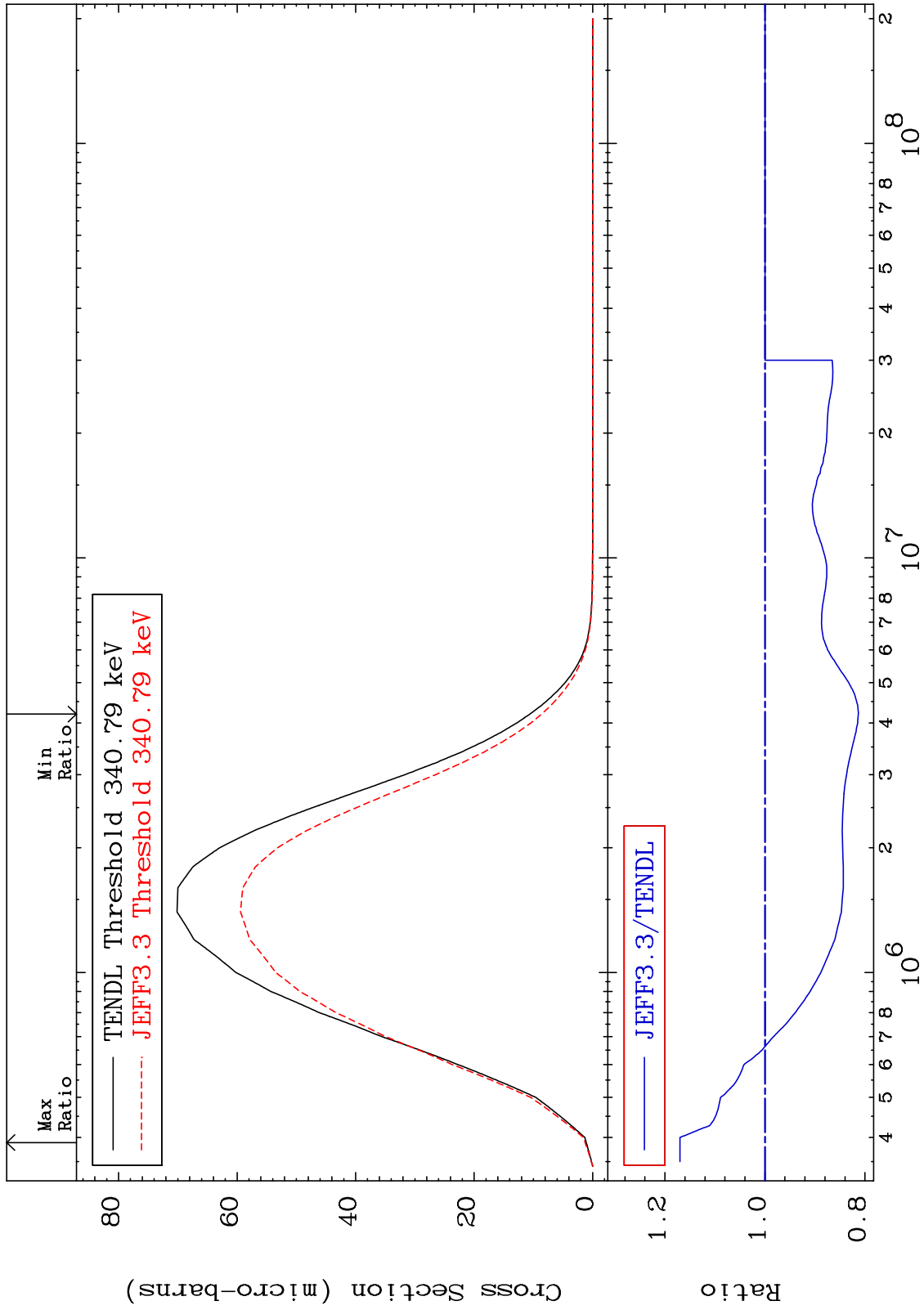
71-Lu-176
-16.65 To 36.05 %



MAT 7128 MT= 58 (n, n') Level 71-Lu-176
 Cross Section -24.34 To 108.8 %



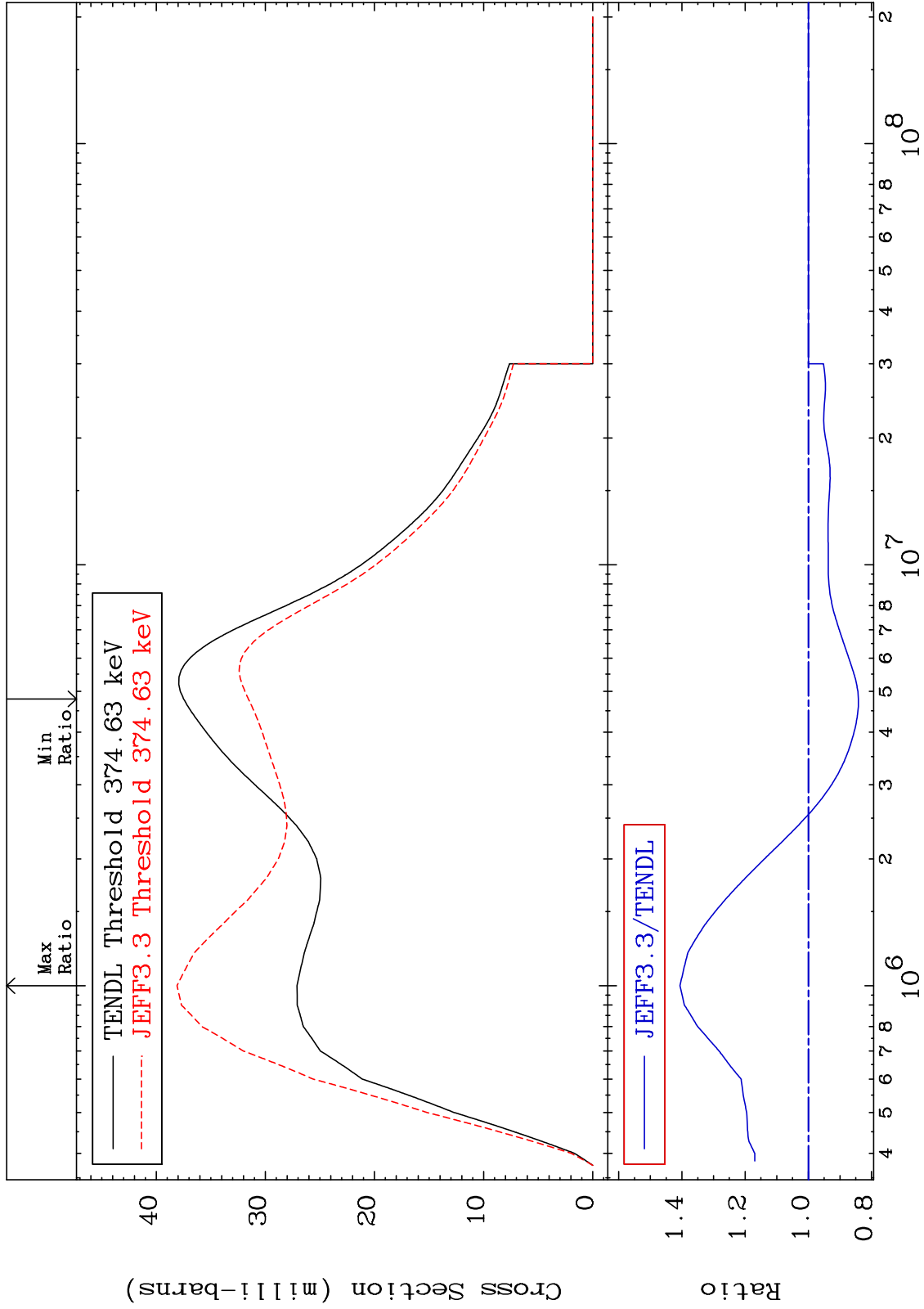
MAT 7128 MT= 59 (n,n') Level Cross Section 71-Lu-176 -18.68 To 16.98 %



MAT 7128

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

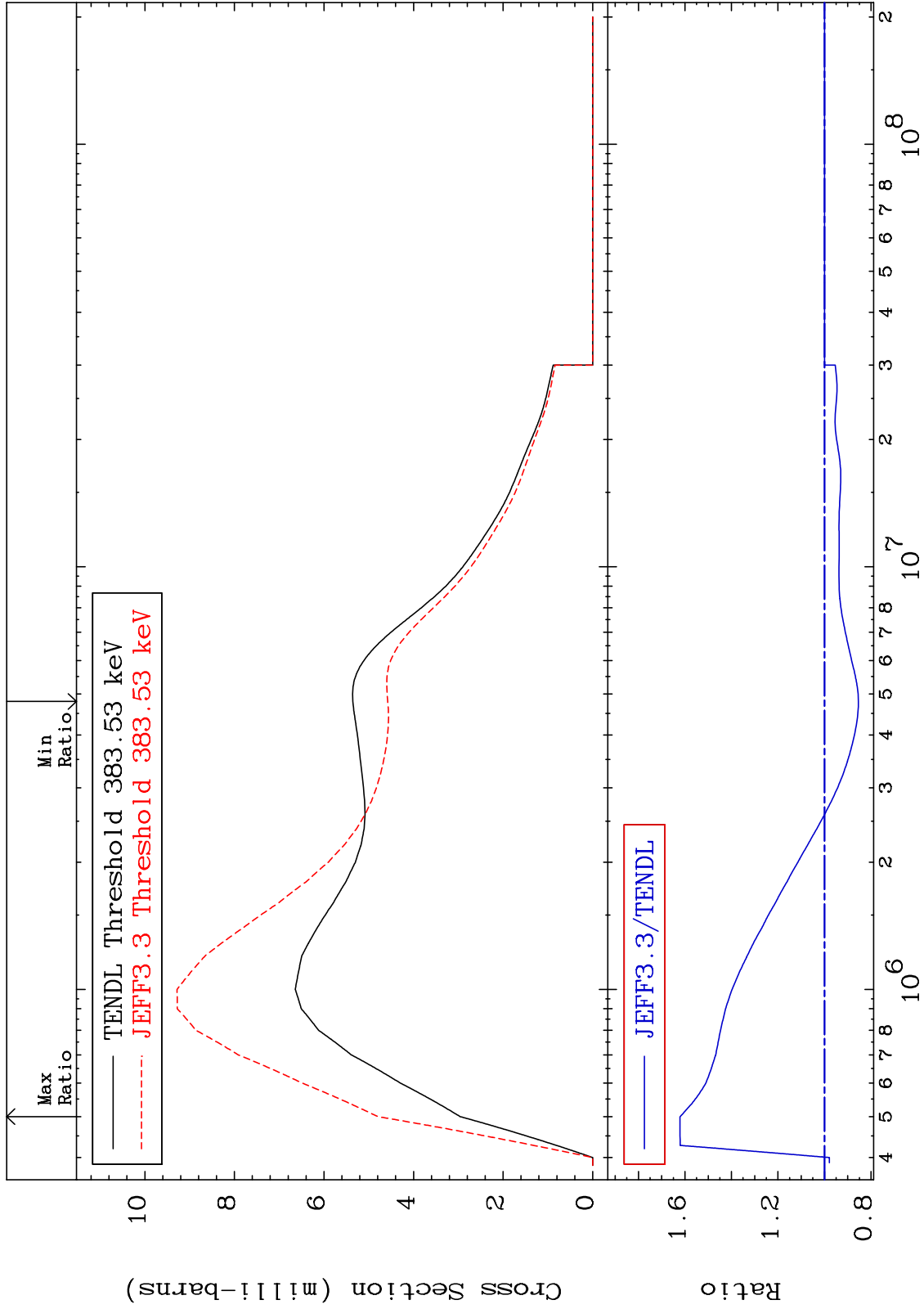
71-Lu-176
-15.84 To 40.61 %



MAT 7128

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

71-Lu-176
-14.58 To 62.12 %

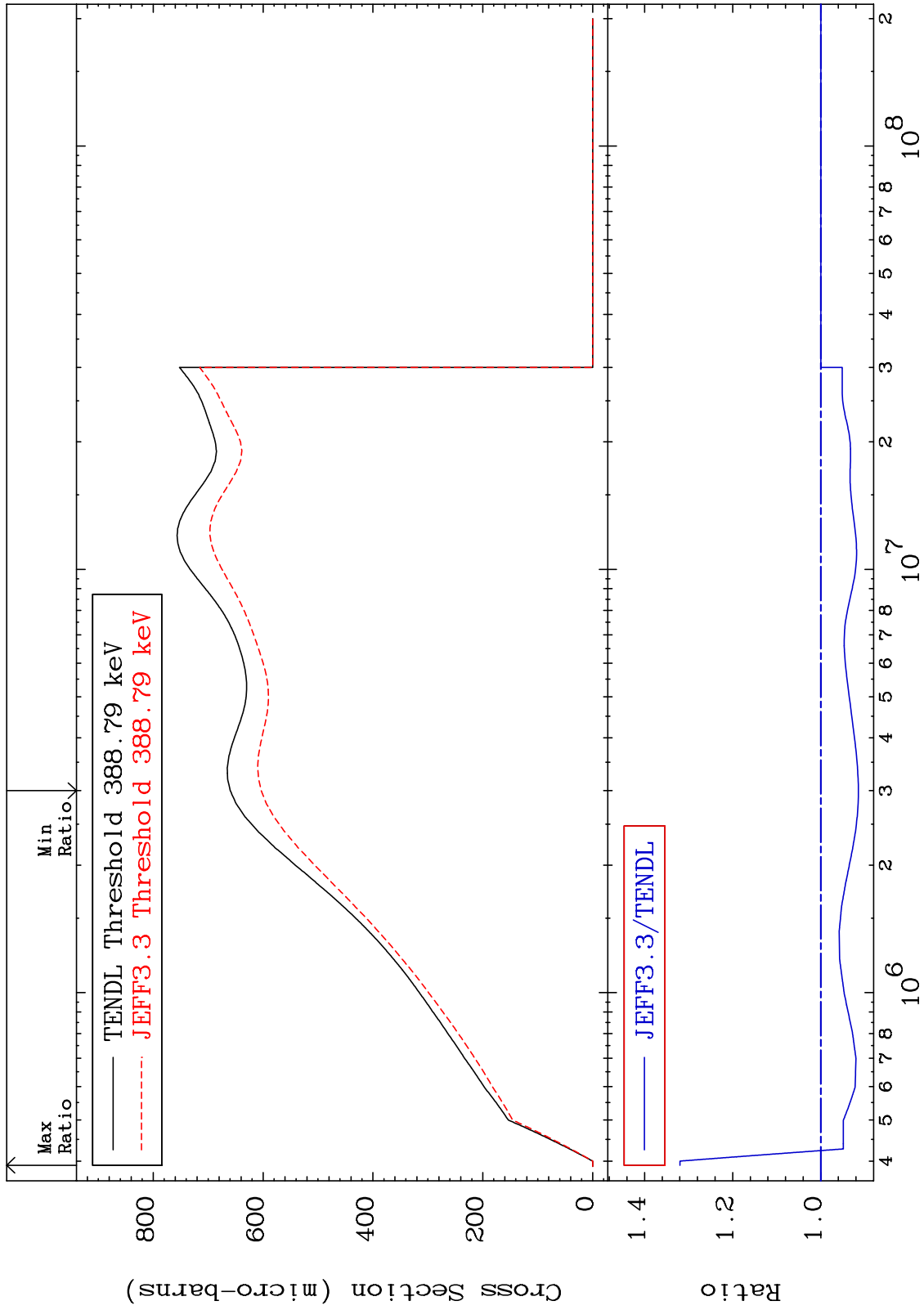


30

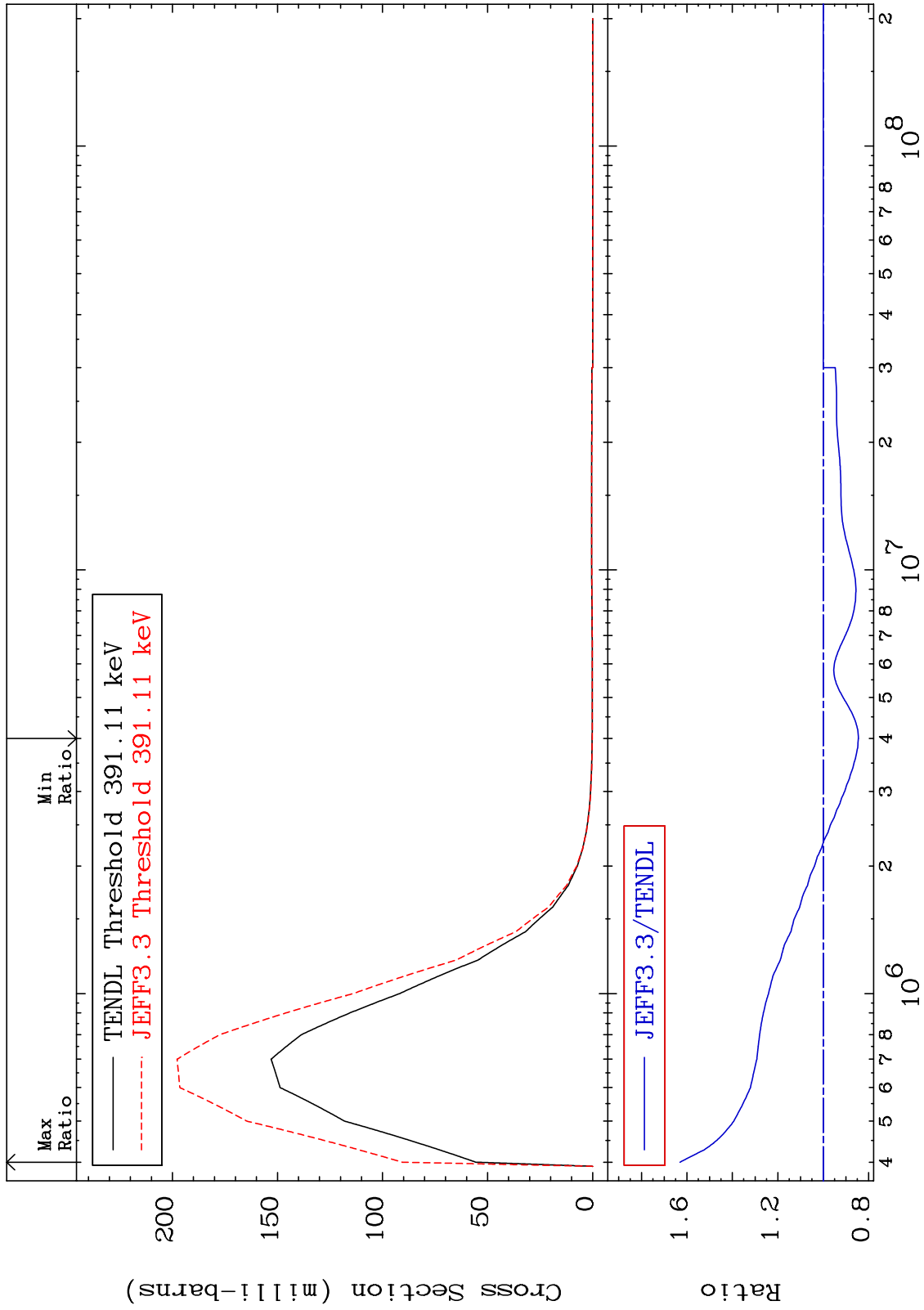
Incident Energy (eV)

71-Lu-176

MAT 7128 MT= 62 (n,n') Level Cross Section 71-Lu-176 -8.543 To 31.95 %



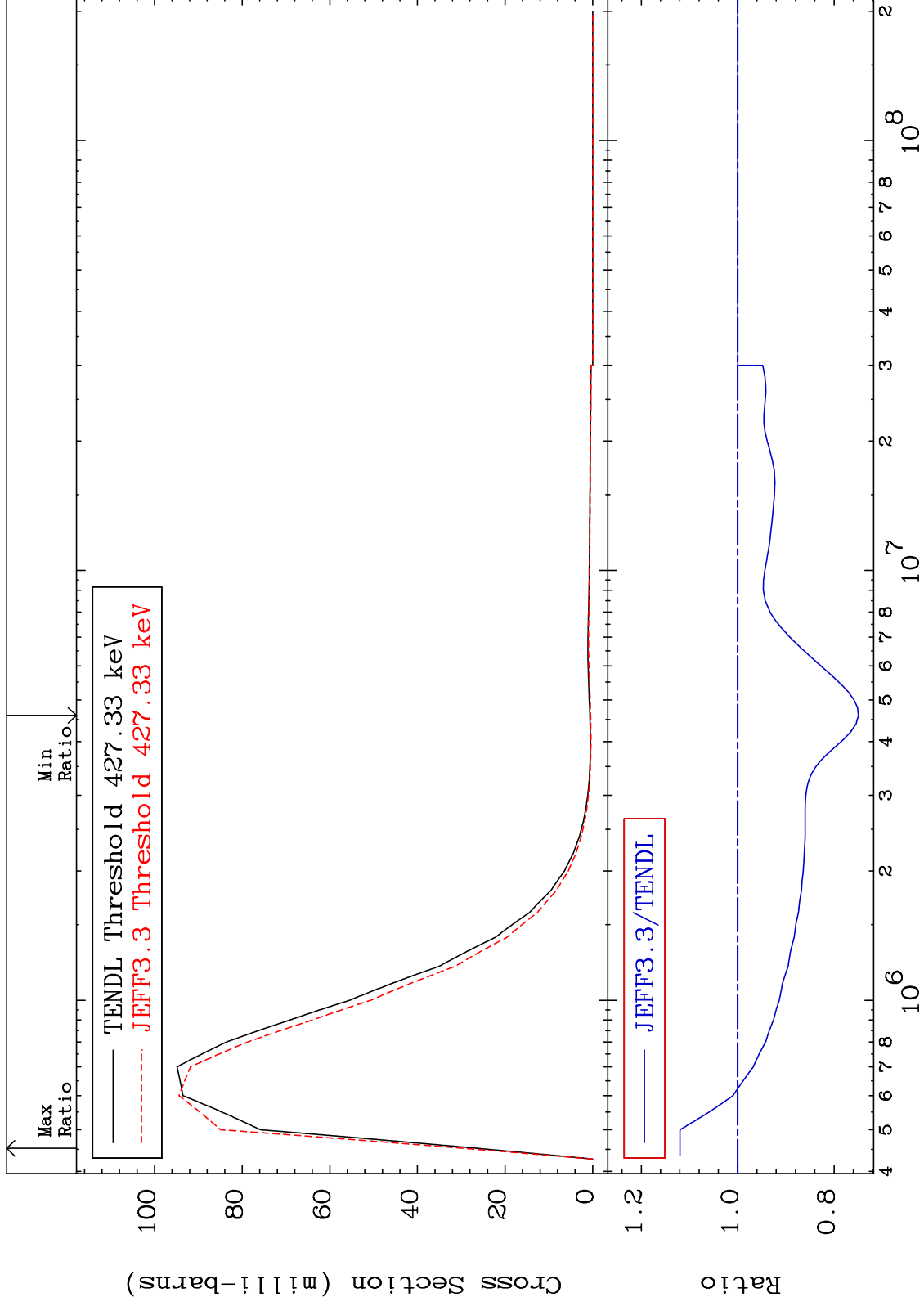
MAT 7128 MT= 63 (n,n') Level Cross Section 71-Lu-176 -15.47 To 63.04 %



MAT 7128

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

71-Lu-176
-25.05 To 11.96 %



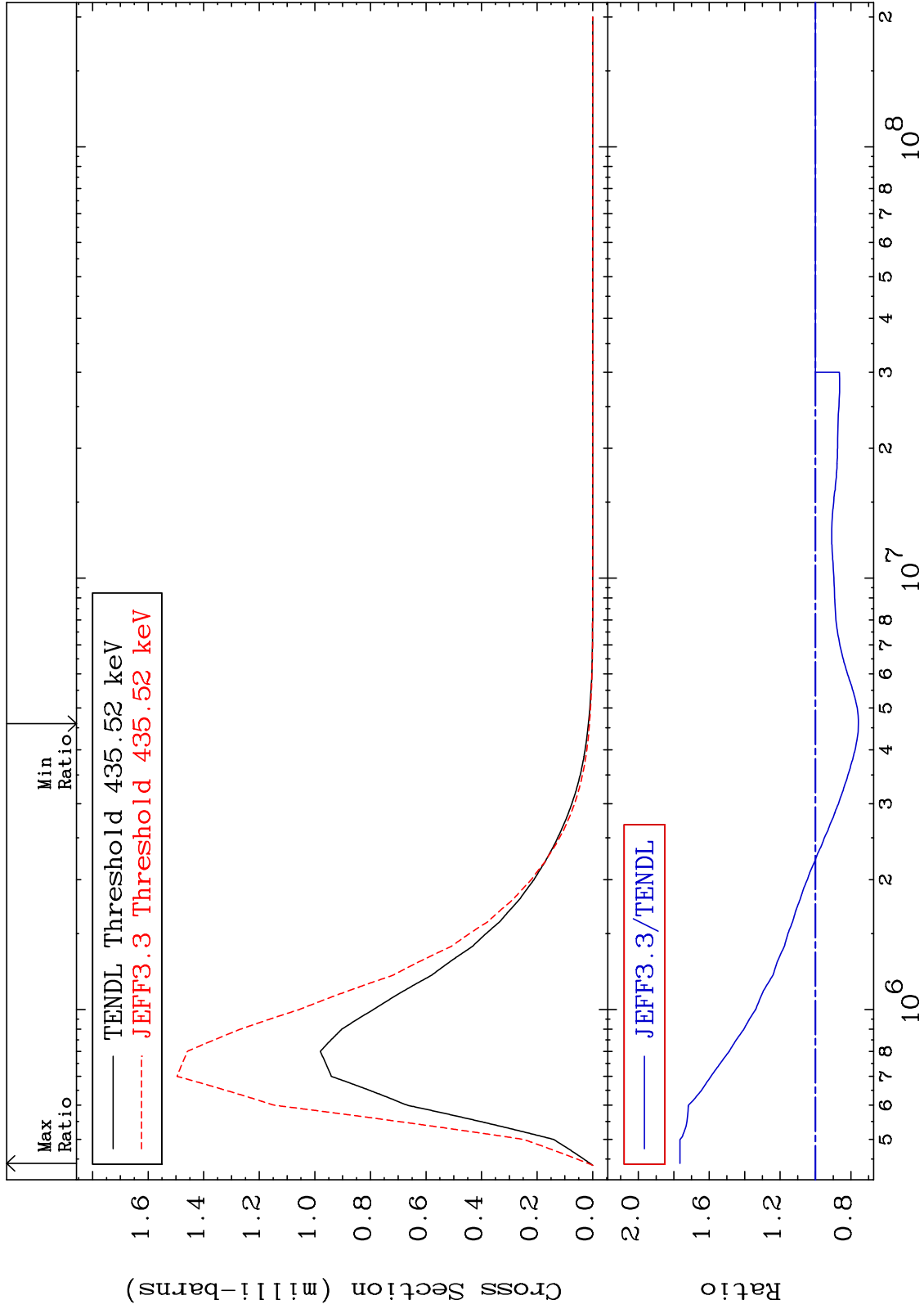
33

71-Lu-176

MAT 7128

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

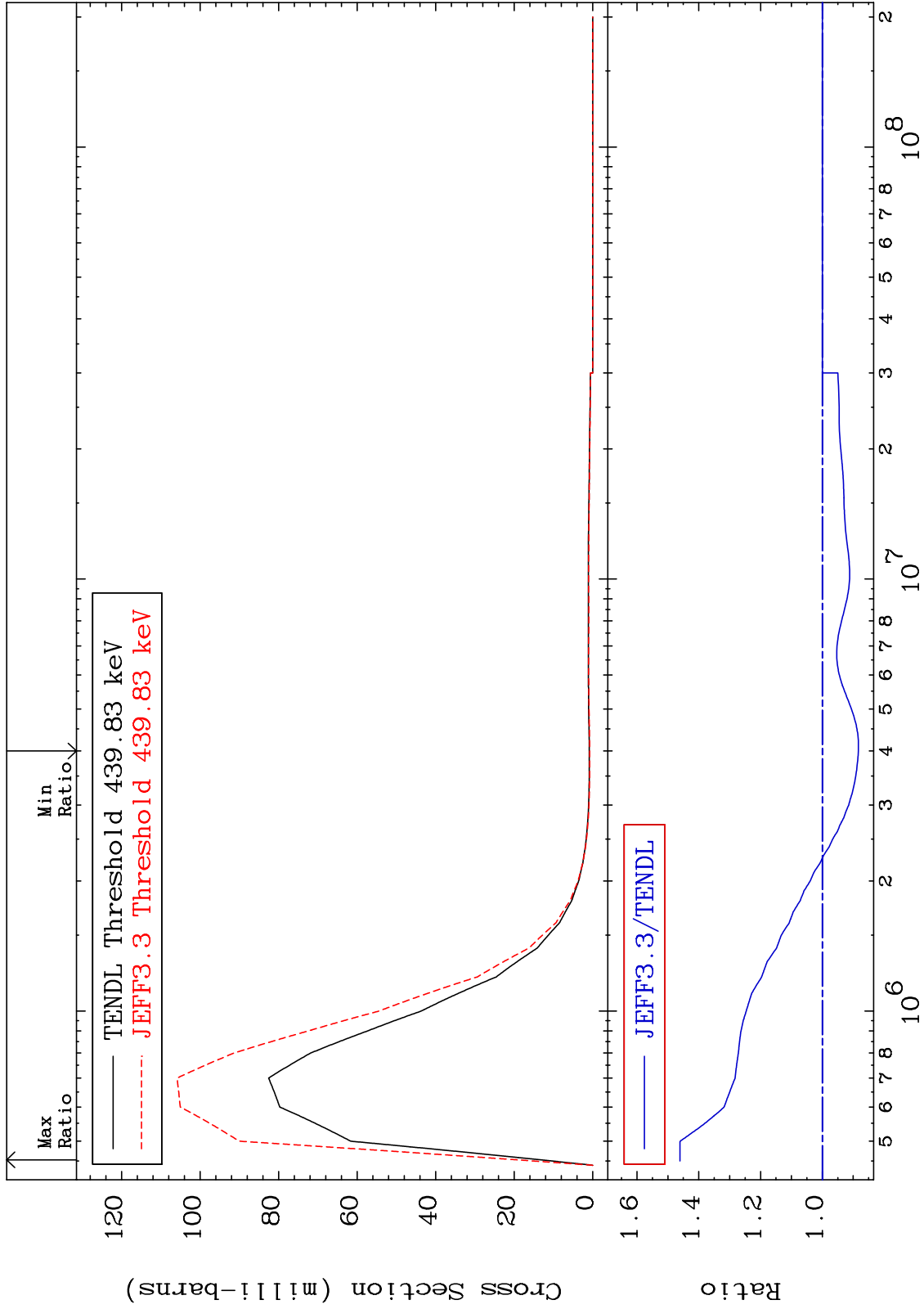
71-Lu-176
-24.22 To 76.48 %



MAT 7128

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

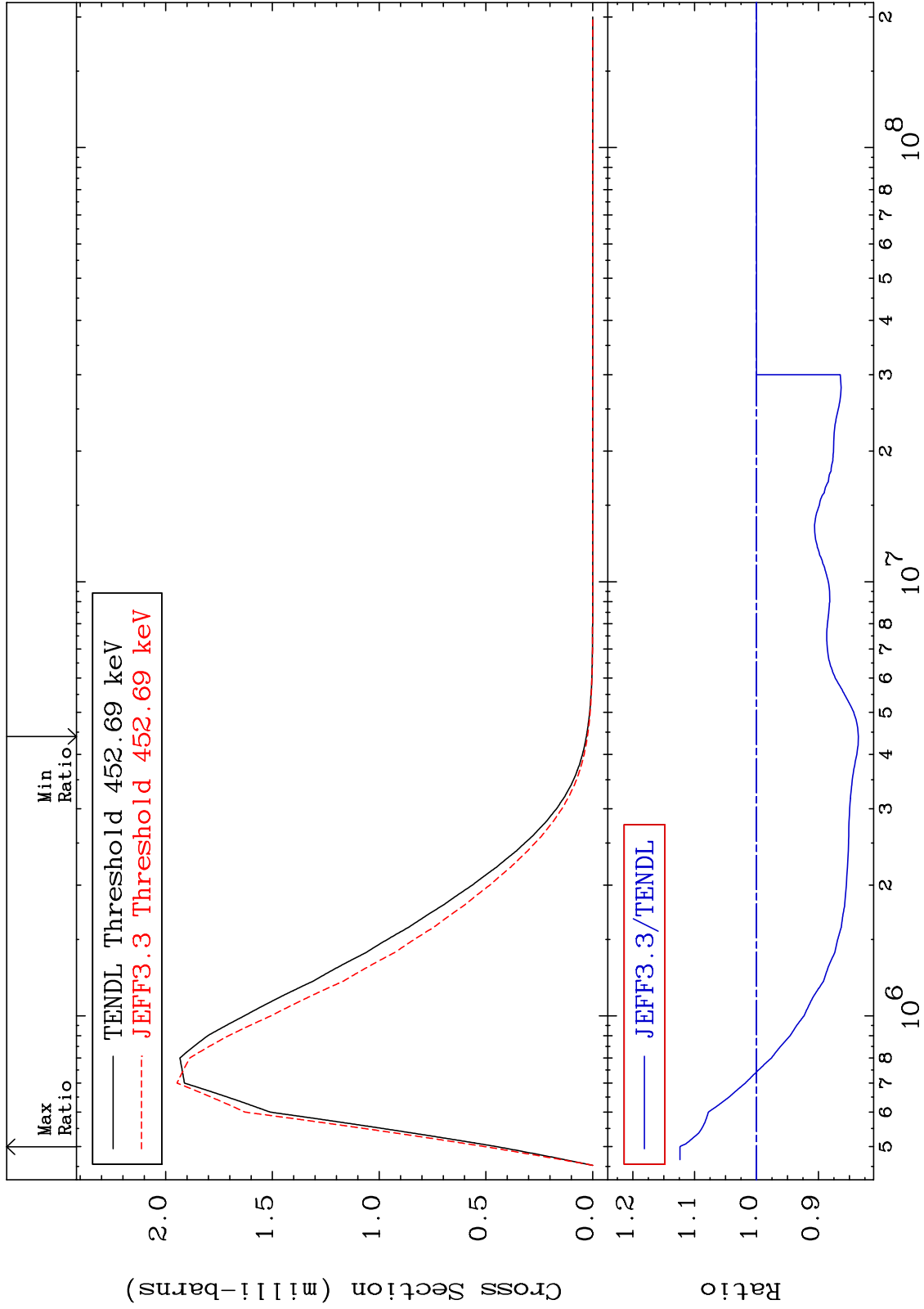
71-Lu-176
-11.68 To 46.07 %



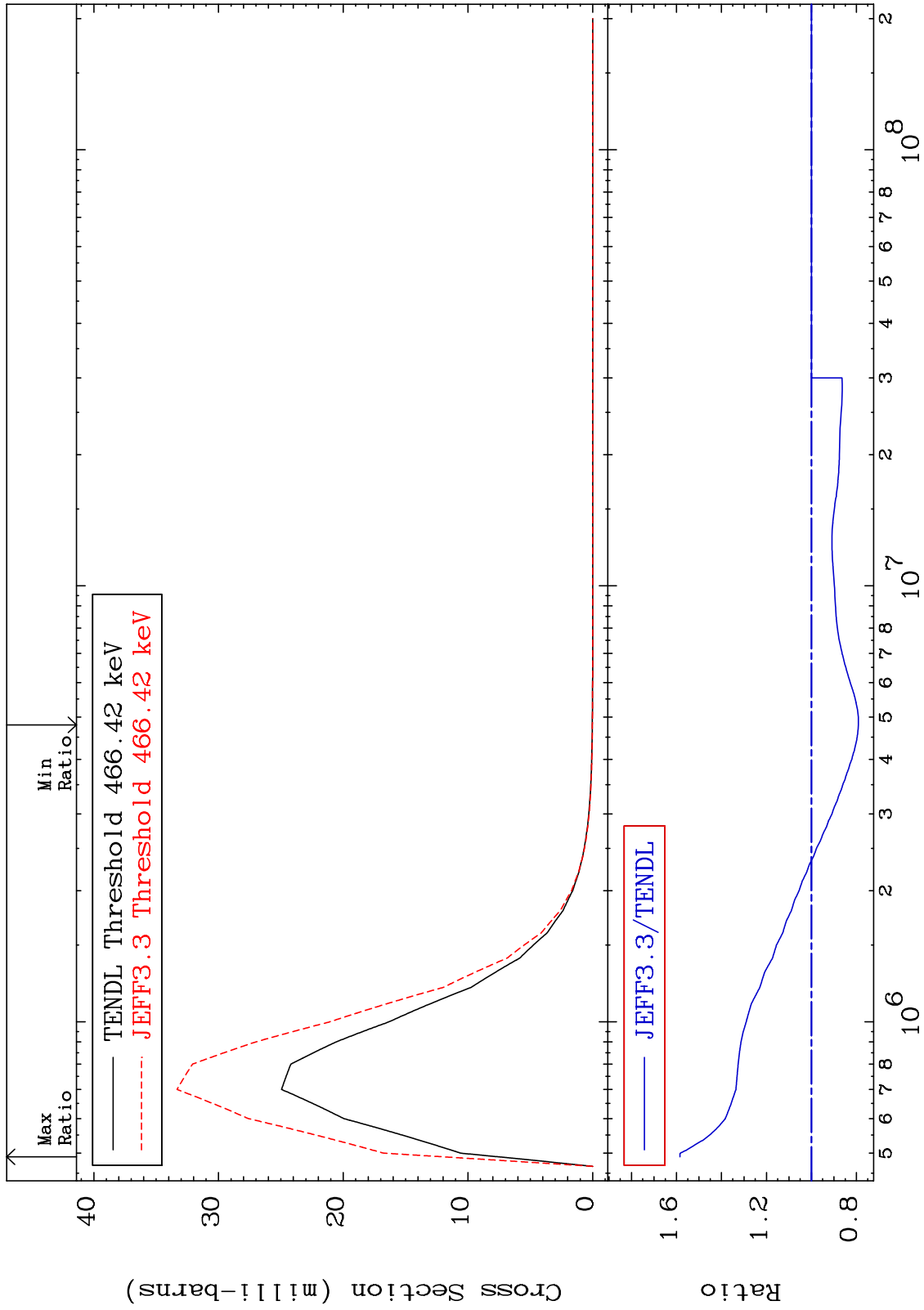
MAT 7128

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

71-Lu-176
-16.46 To 12.37 %



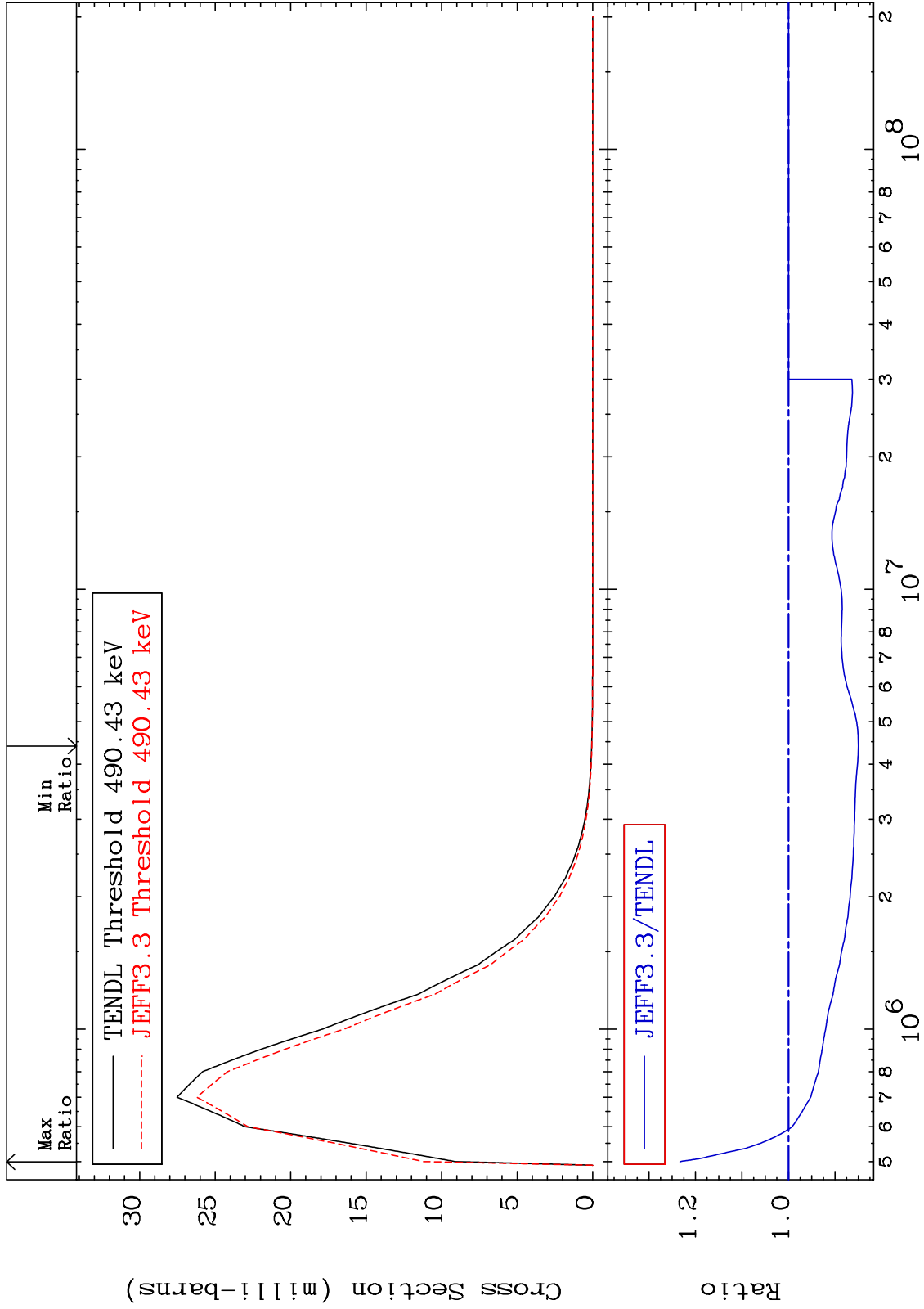
MAT 7128 MT= 68 (n,n') Level Cross Section 71-Lu-176 -20.88 To 58.44 %



MAT 7128

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

71-Lu-176
-15.02 To 23.31 %

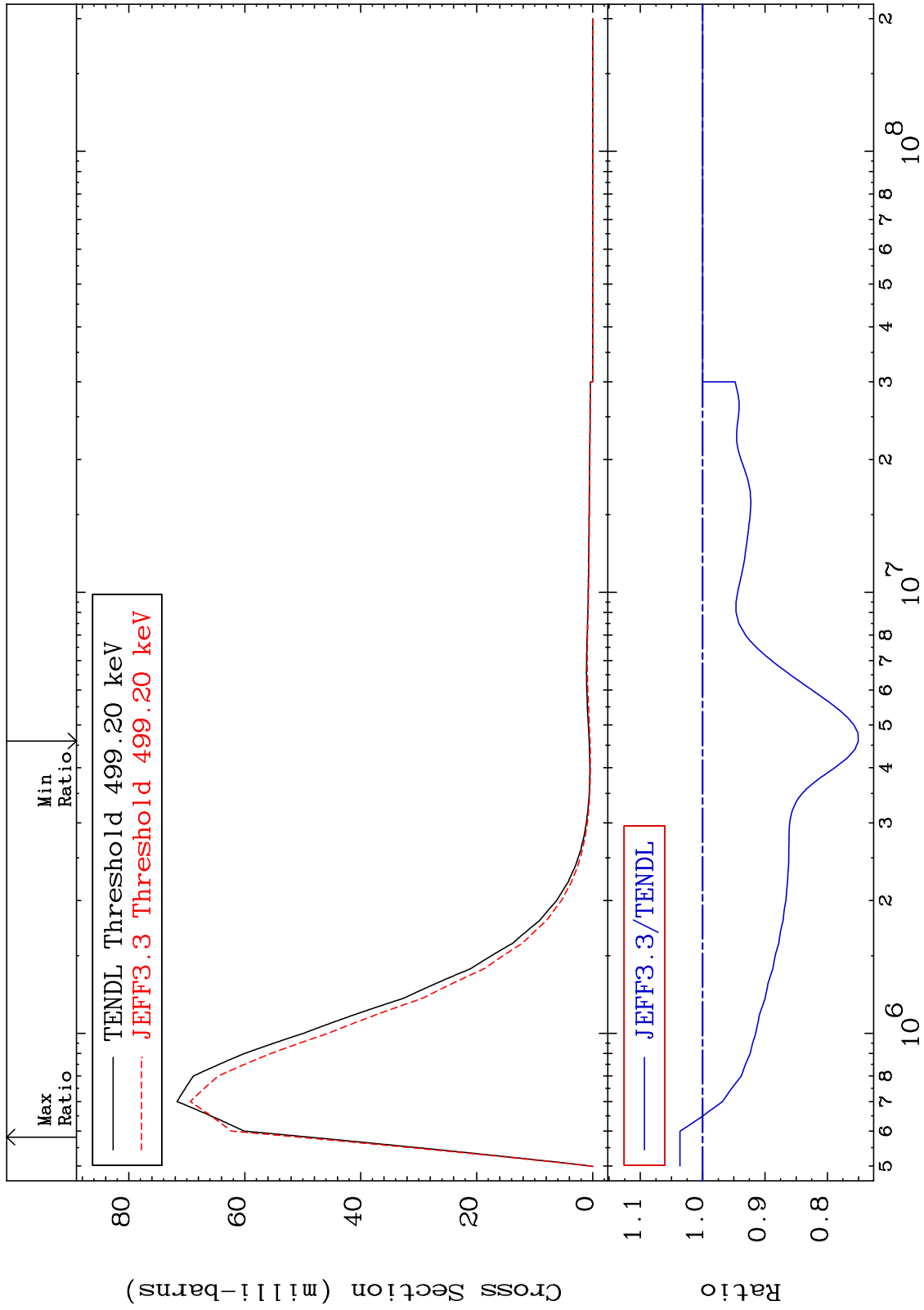


38

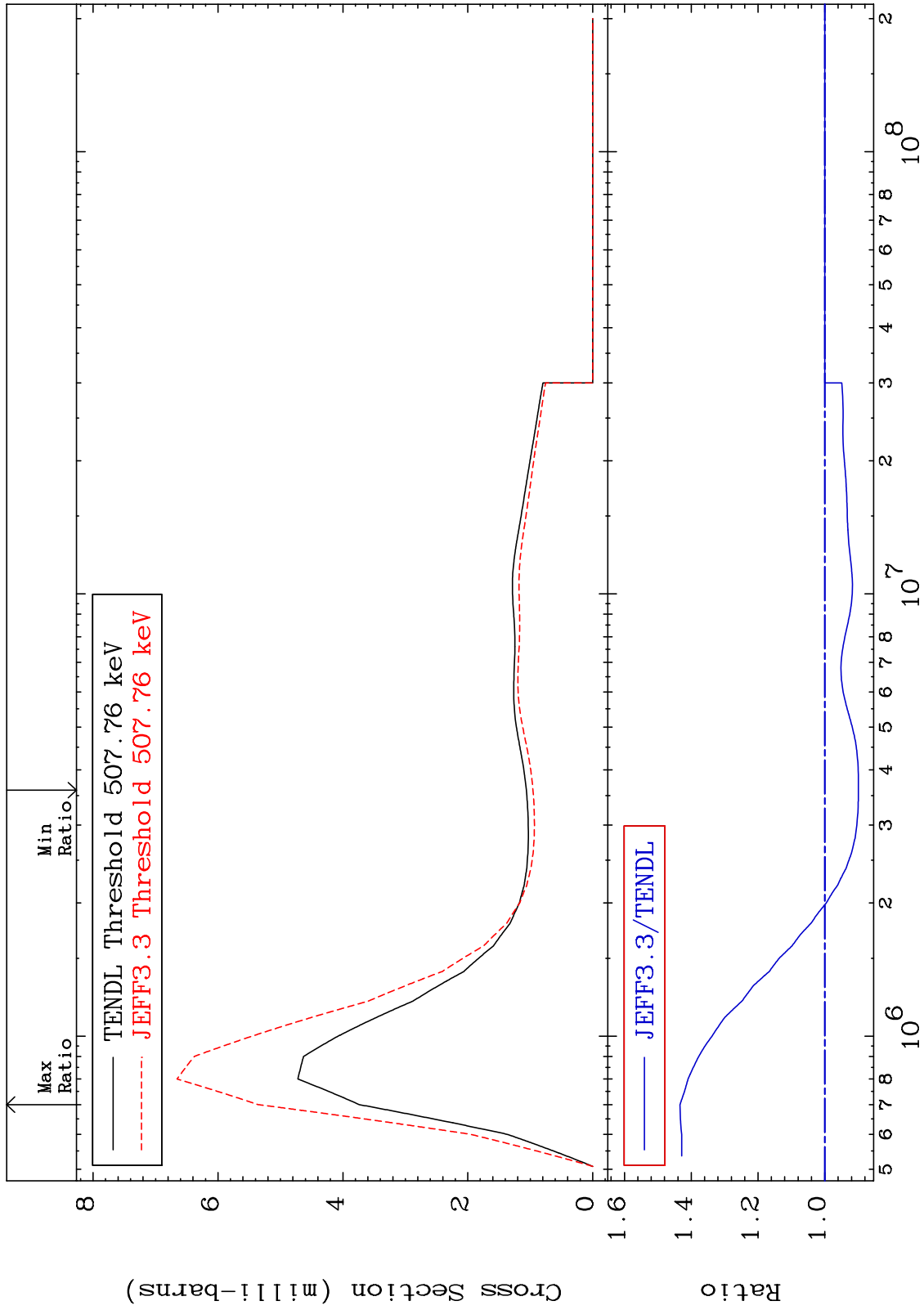
Incident Energy (eV)

71-Lu-176

MAT 7128 MT= 70 (n,n') Level 71-Lu-176
 Cross Section -24.98 To 3.627 %

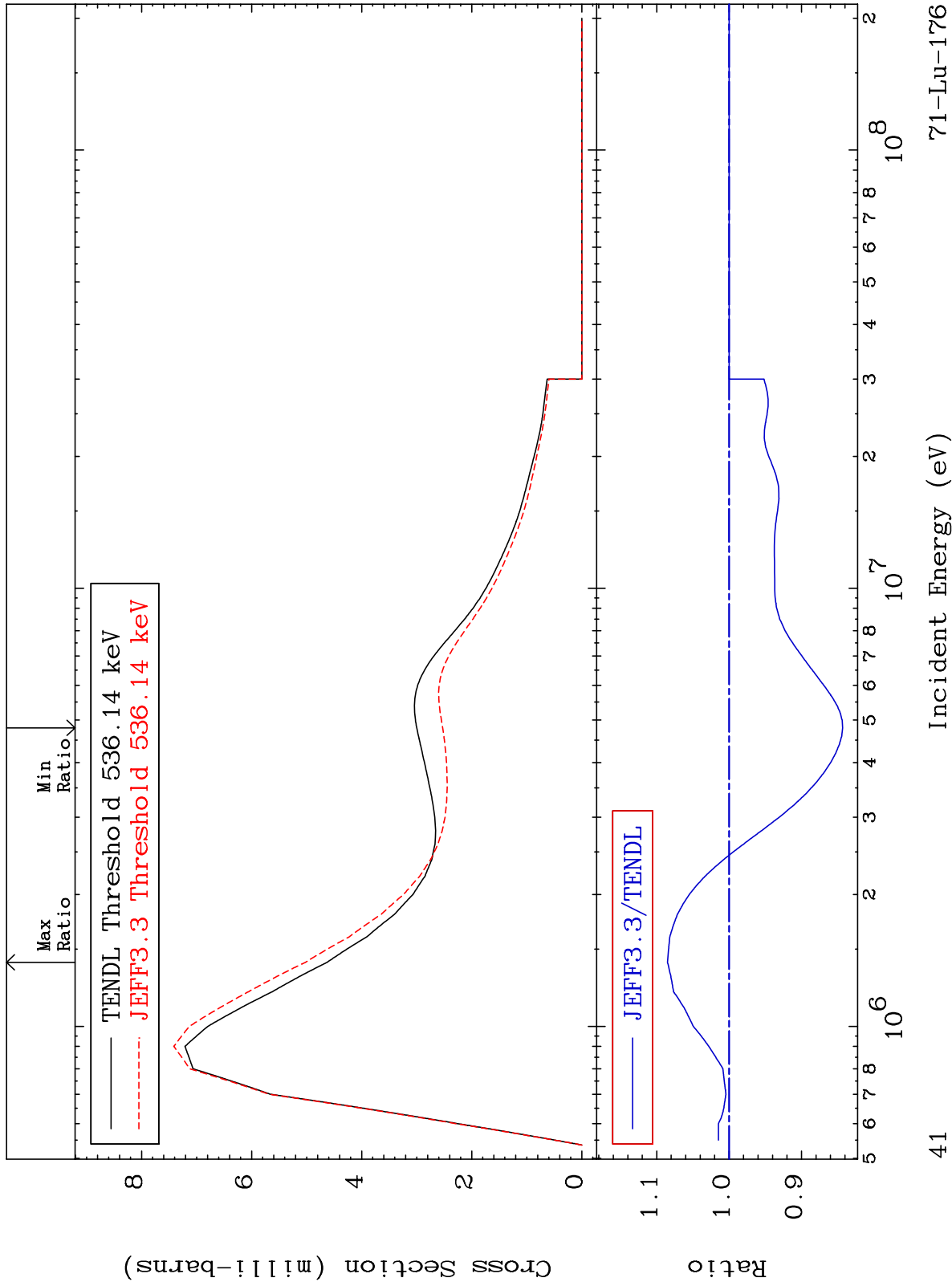


MAT 7128 MT= 71 (n,n') Level Cross Section 71-Lu-176 -10.06 To 43.36 %



40 71-Lu-176

MAT 7128 MT= 72 (n,n') Level Cross Section 71-Lu-176 -15.69 To 8.505 %



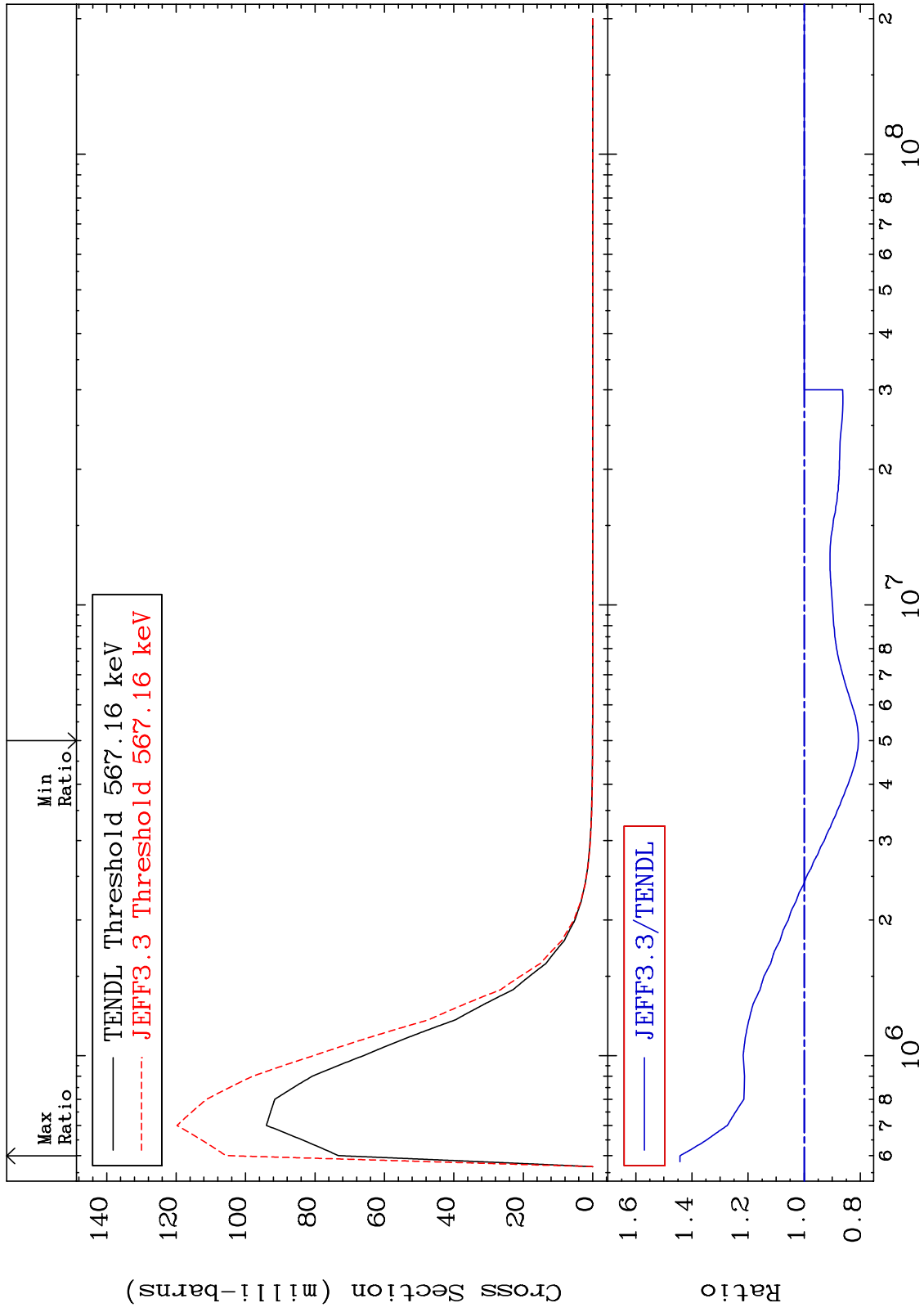
71-Lu-176

Incident Energy (eV)

MAT 7128

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

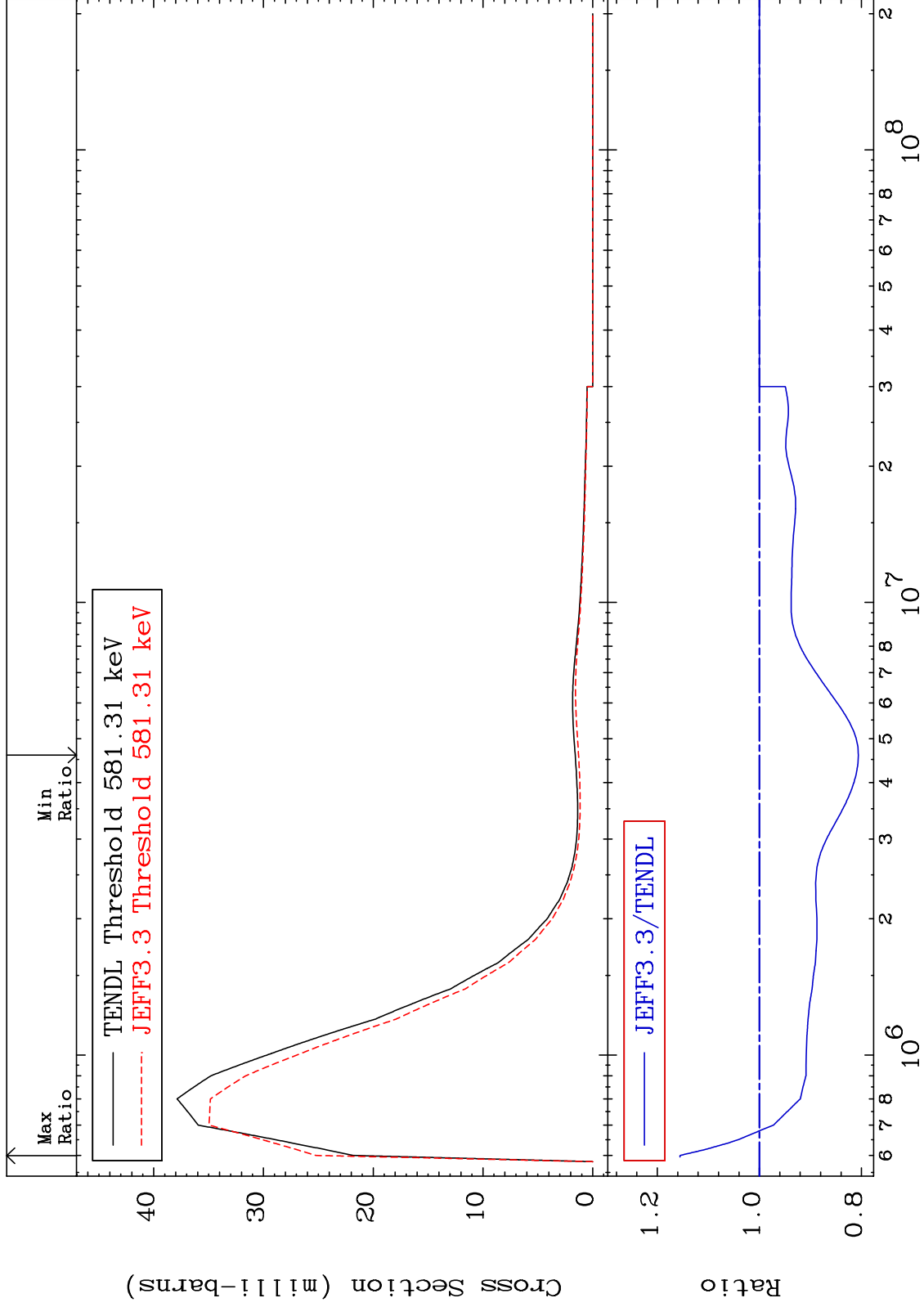
71-Lu-176
-19.31 To 44.25 %



MAT 7128

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

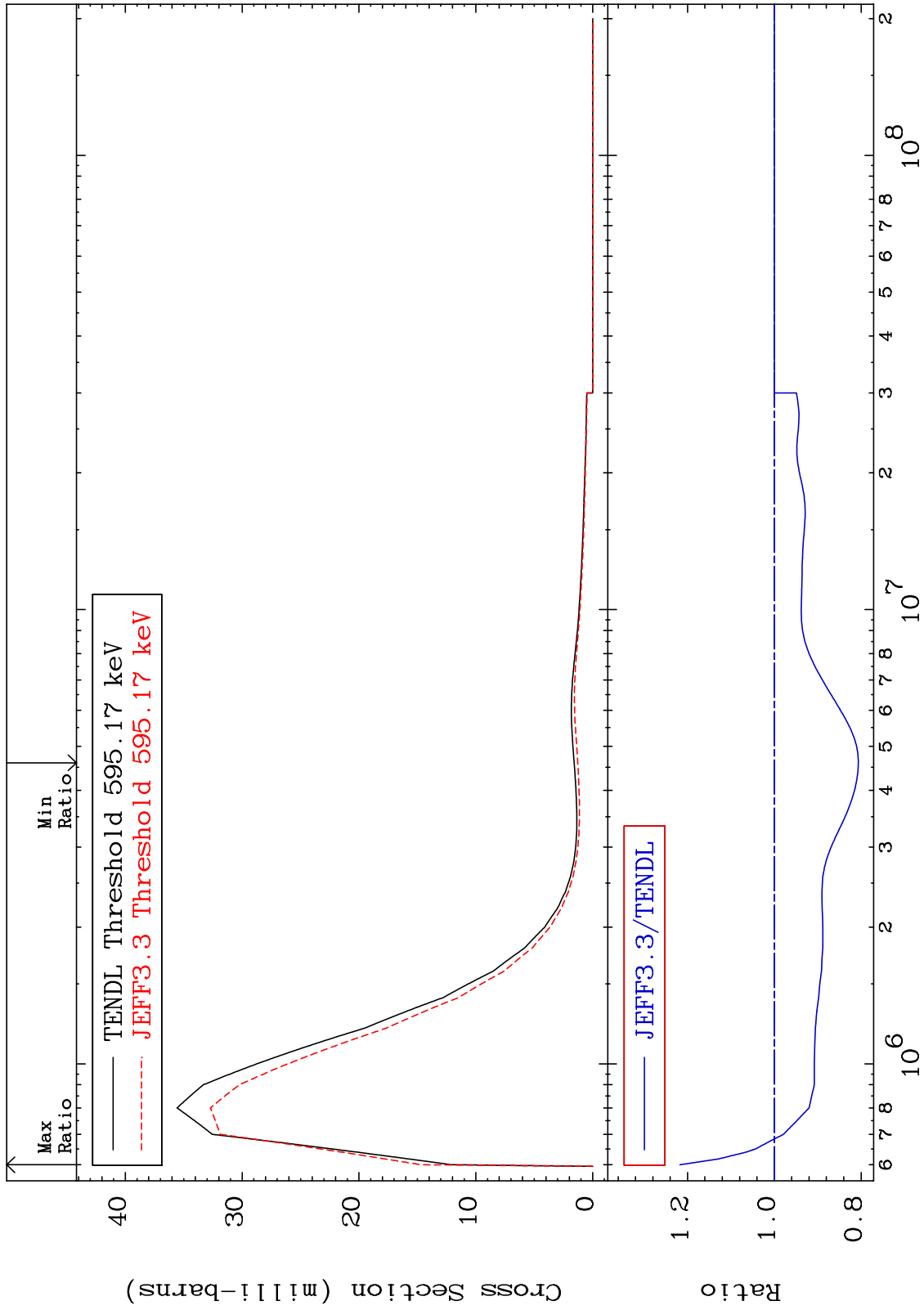
71-Lu-176
-19.39 To 15.54 %



43

71-Lu-176

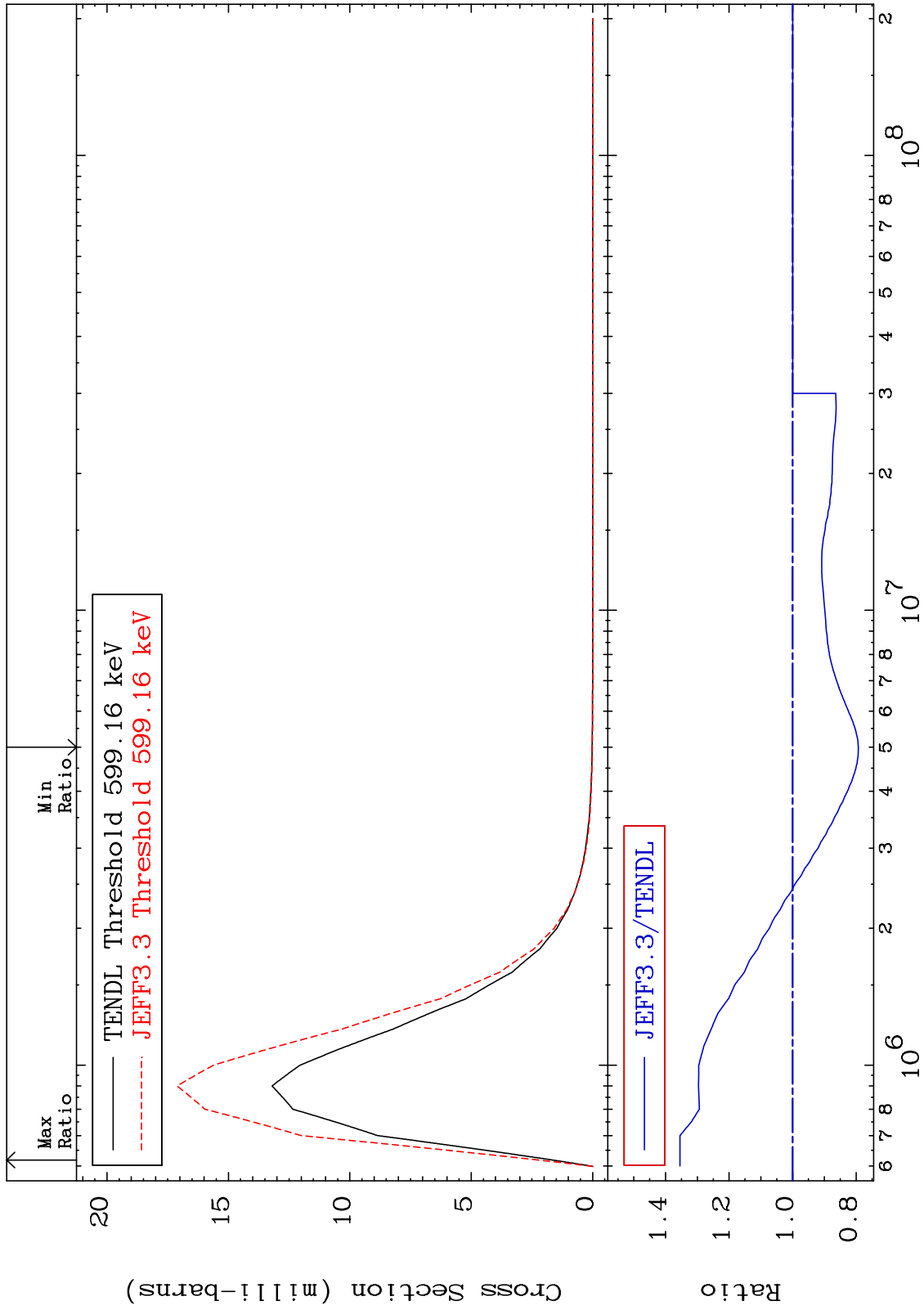
MAT 7128 MT= 75 (n,n') Level Cross Section 71-Lu-176 -19.38 To 21.74 %



MAT 7128

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

71-Lu-176
-20.72 To 35.45 %



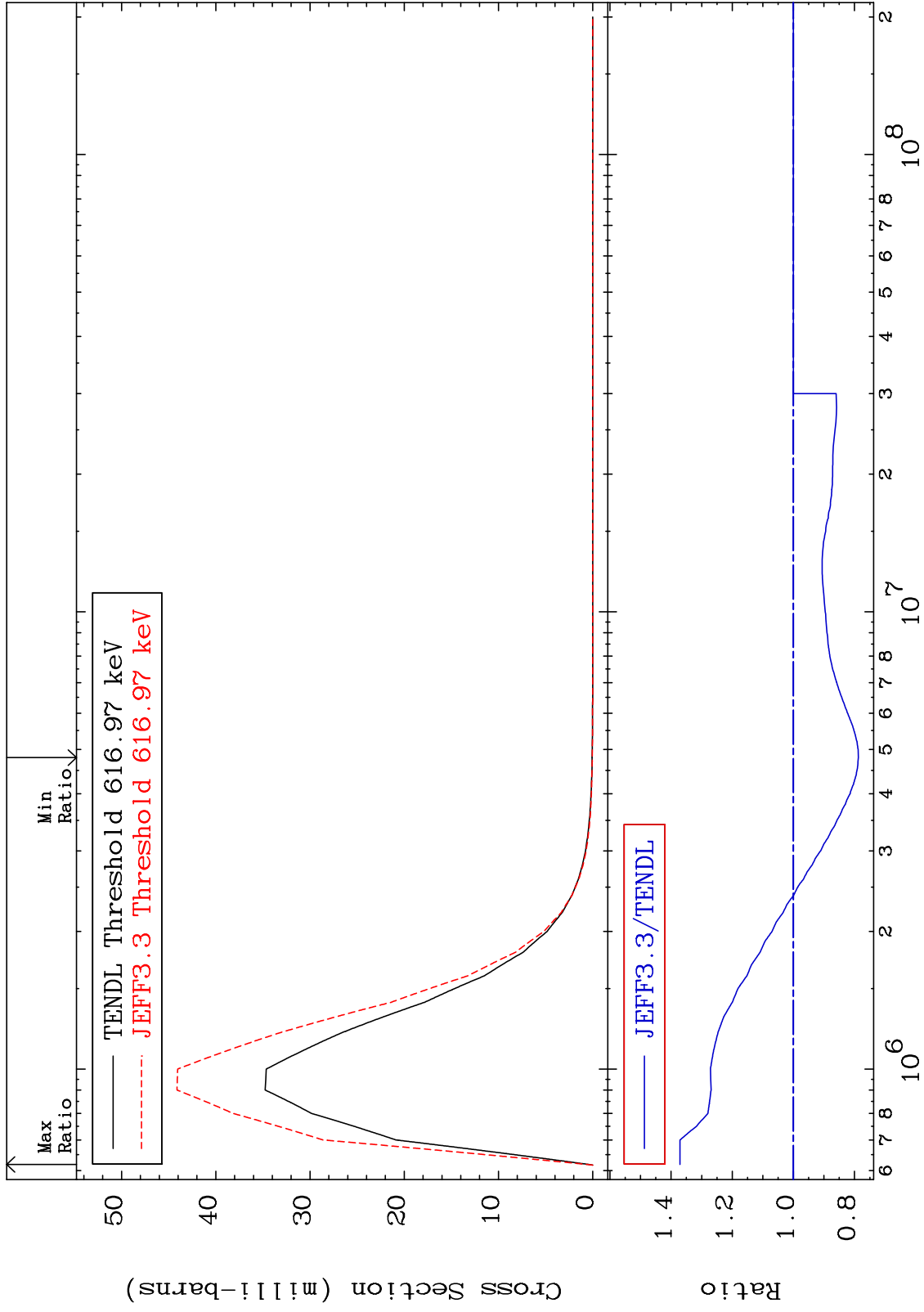
45

71-Lu-176

MAT 7128

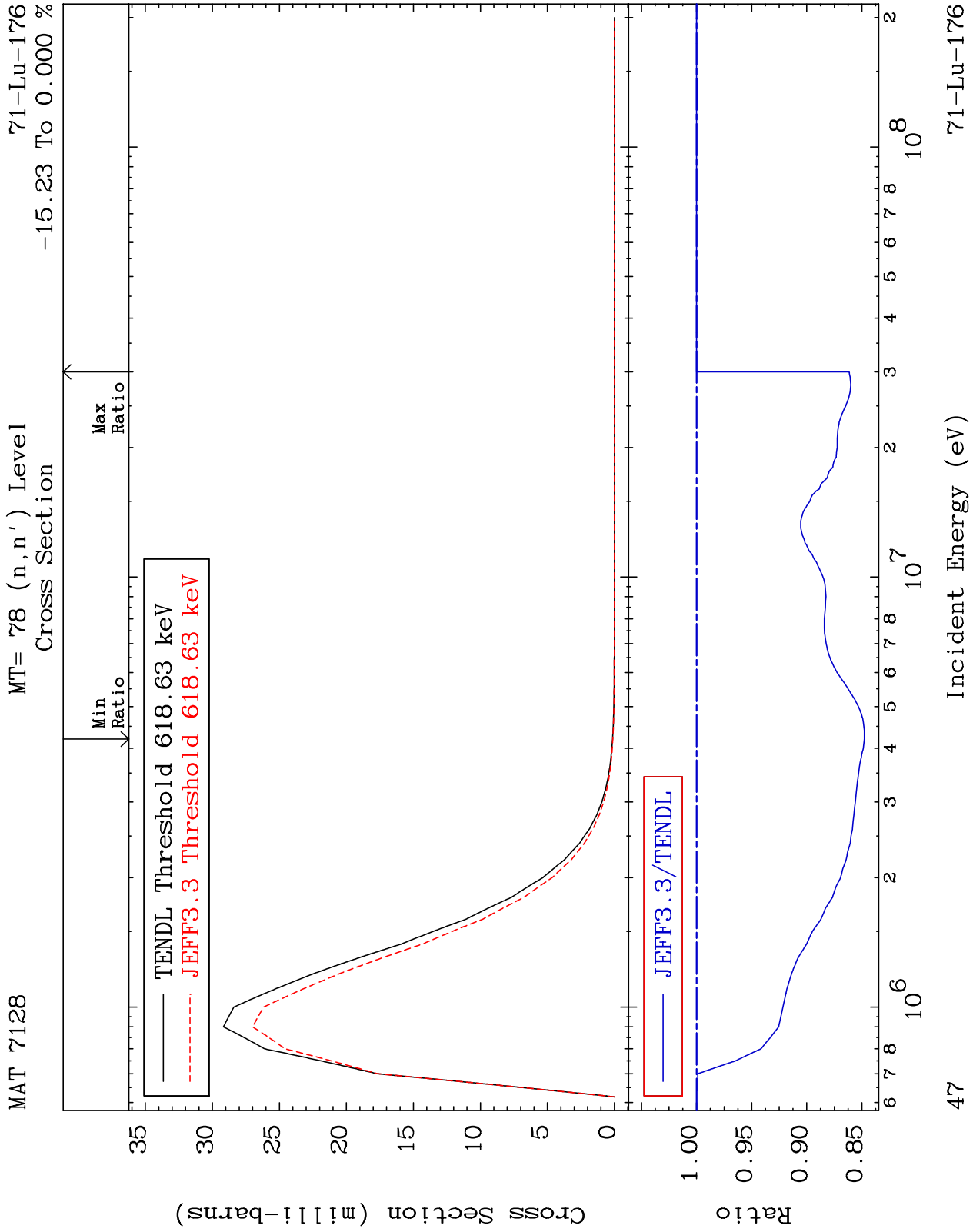
MT= 77 (n,n') Level
Cross Section

71-Lu-176
-21.26 To 37.08 %



46

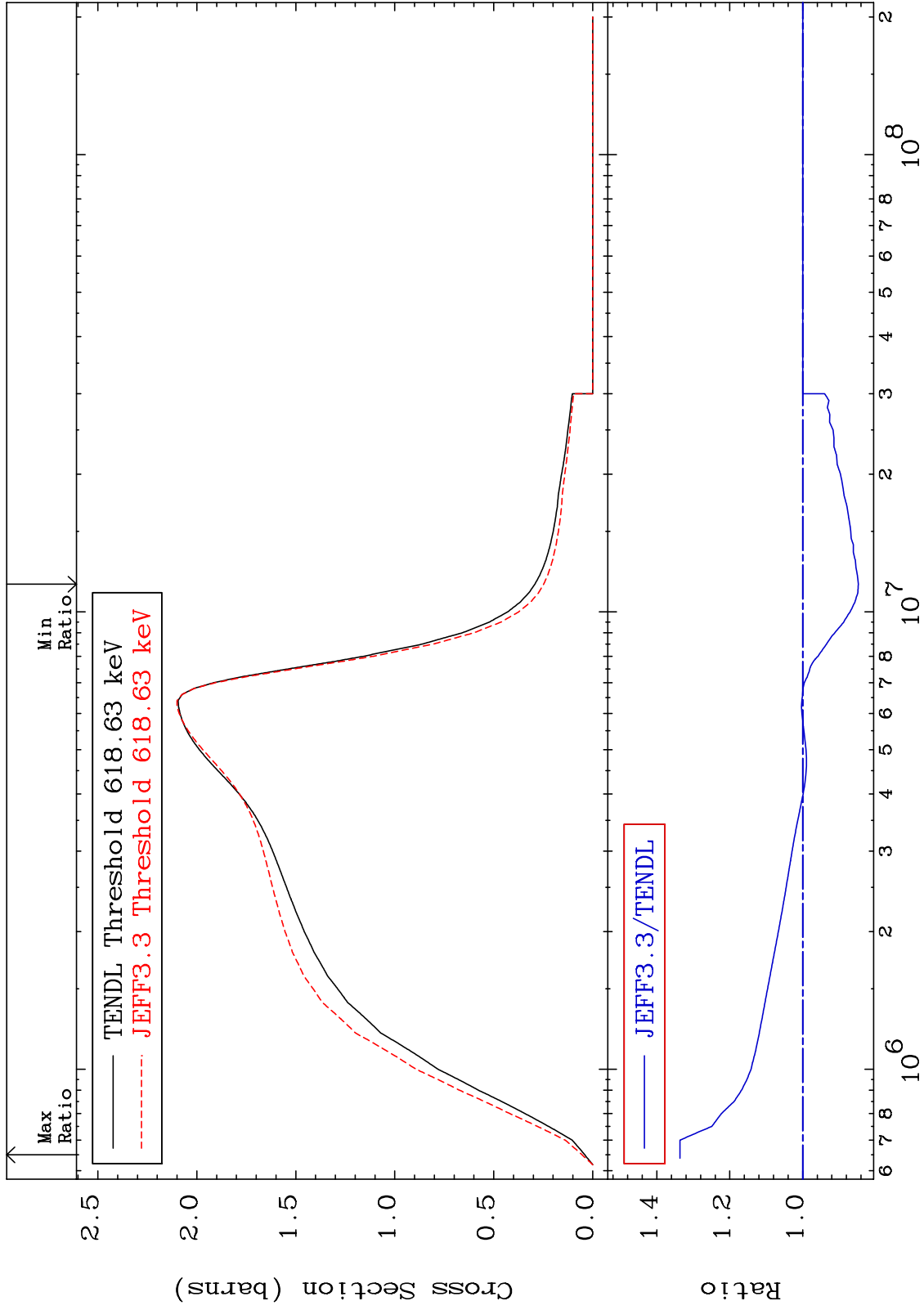
71-Lu-176



MAT 7128

(n, n') Continuum
Cross Section

71-Lu-176
-15.28 To 33.64 %



48

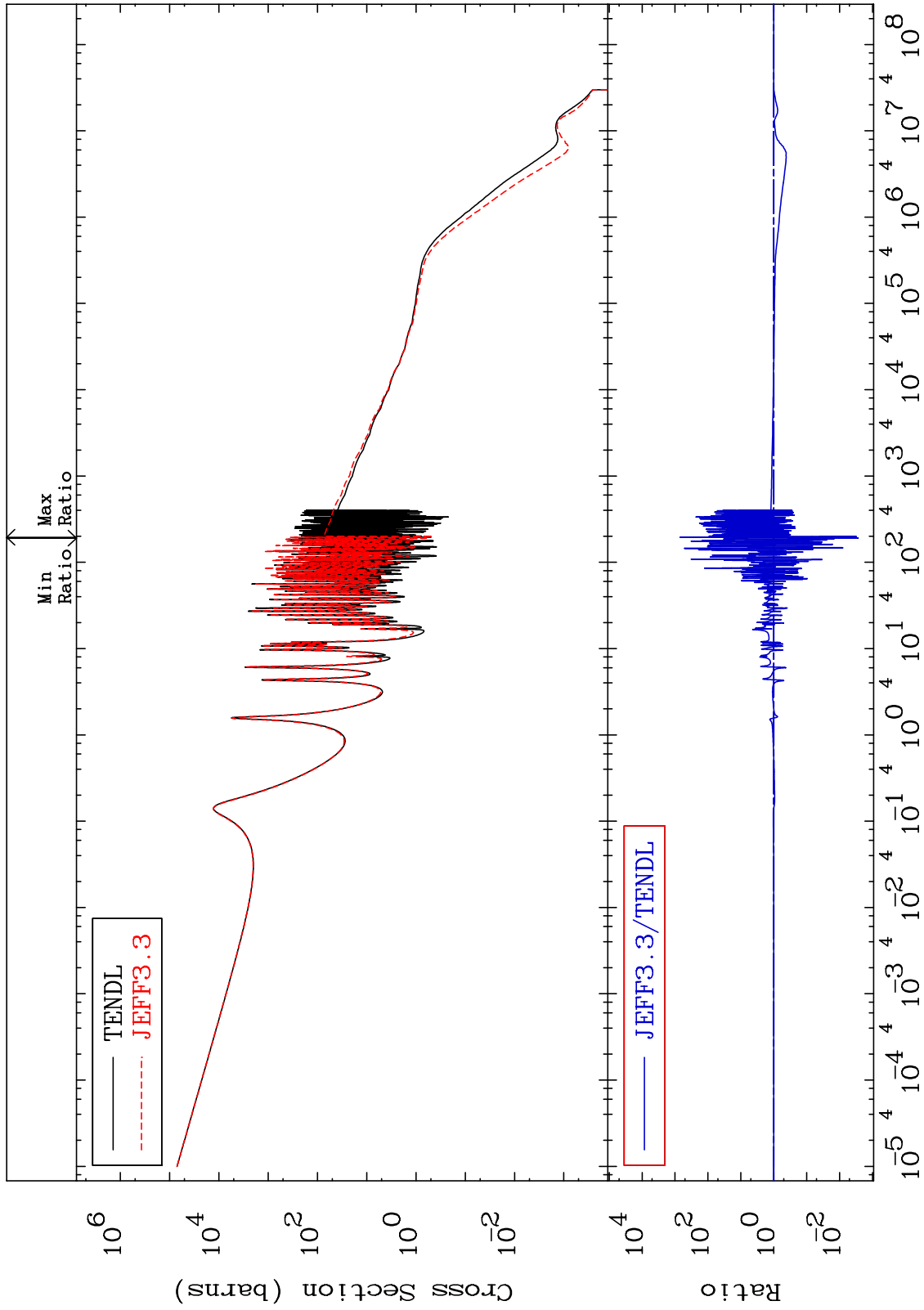
Incident Energy (eV)

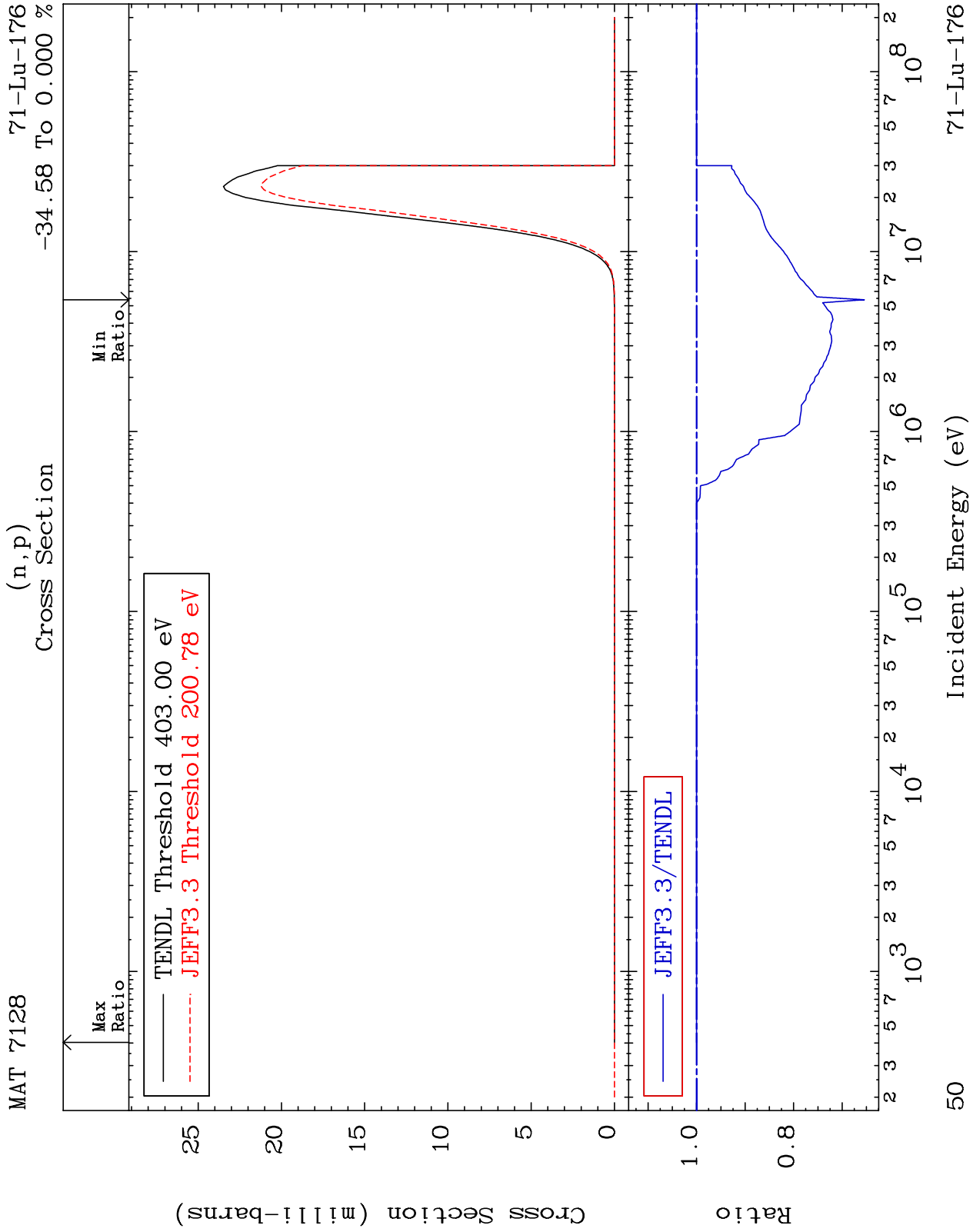
71-Lu-176

MAT 7128

(n, γ)
Cross Section

71-Lu-176
-99.73 To 9999. %





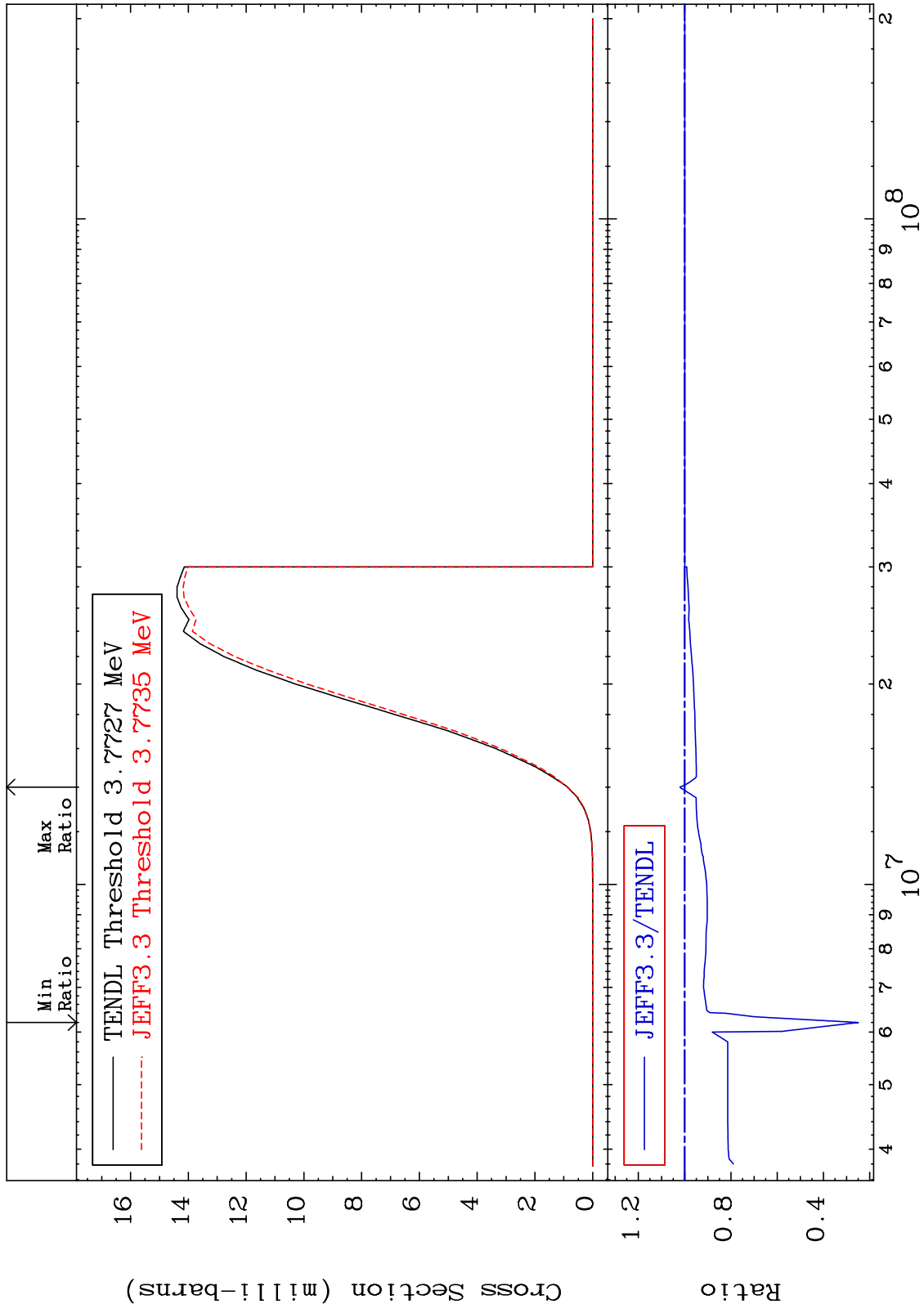
MAT 7128

(n, d)

71-Lu-176

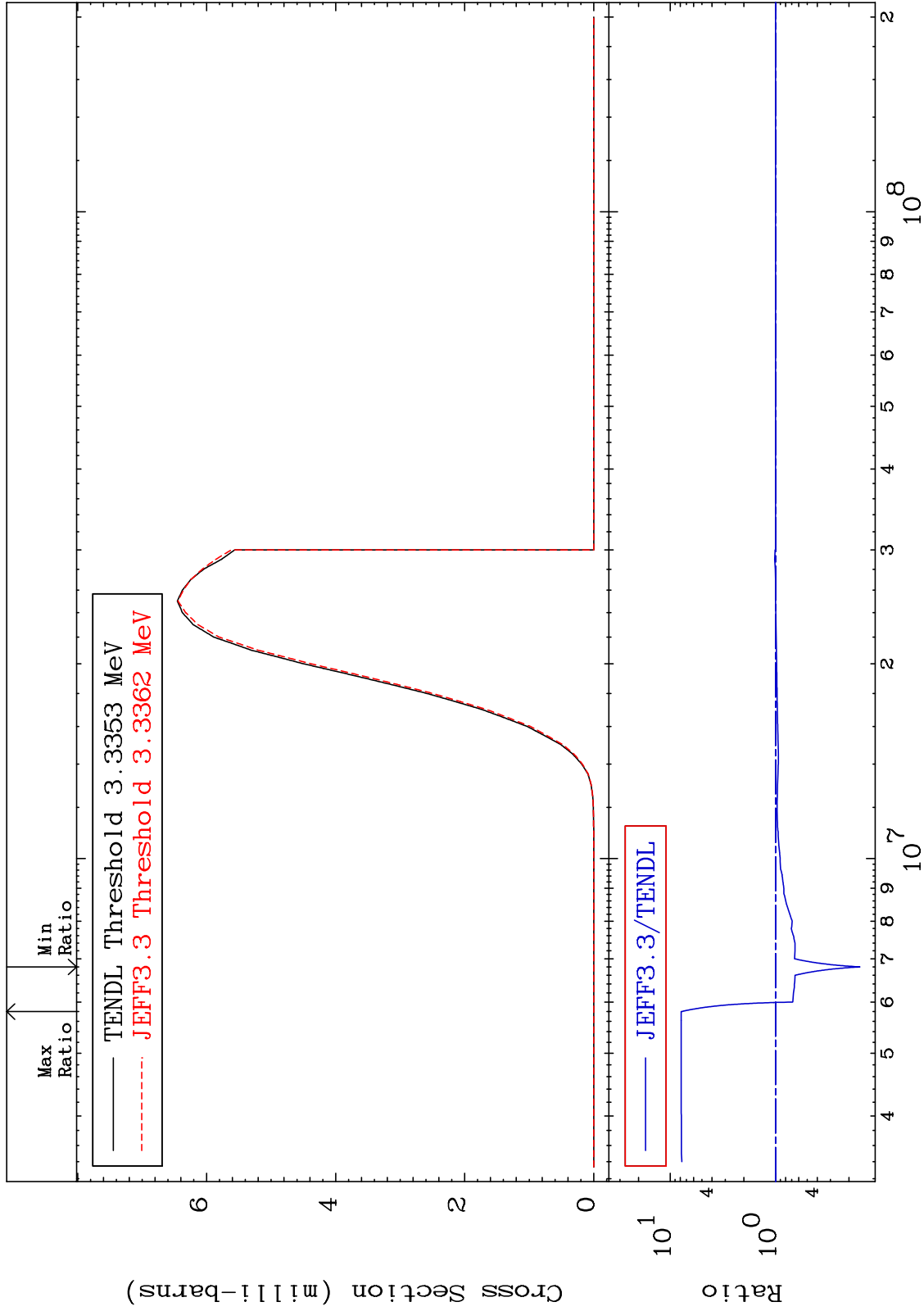
Cross Section

-75.16 To 1.999 %



Cross Section

-84.24 To 685.4 %



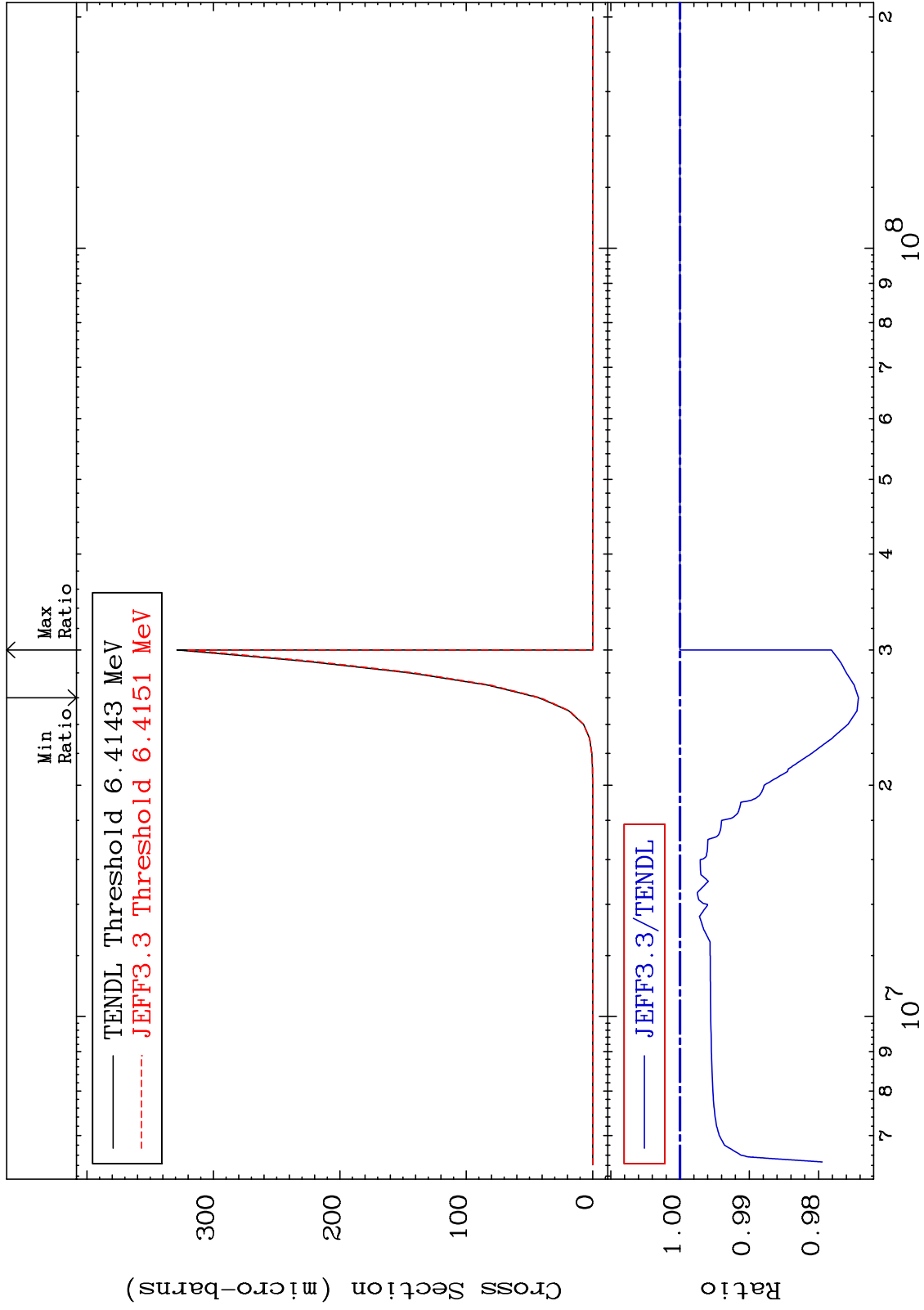
MAT 7128

(n, He-3)

⁷¹Lu-176

Cross Section

-2.575 To 0.000 %



53

Incident Energy (eV)

⁷¹Lu-176

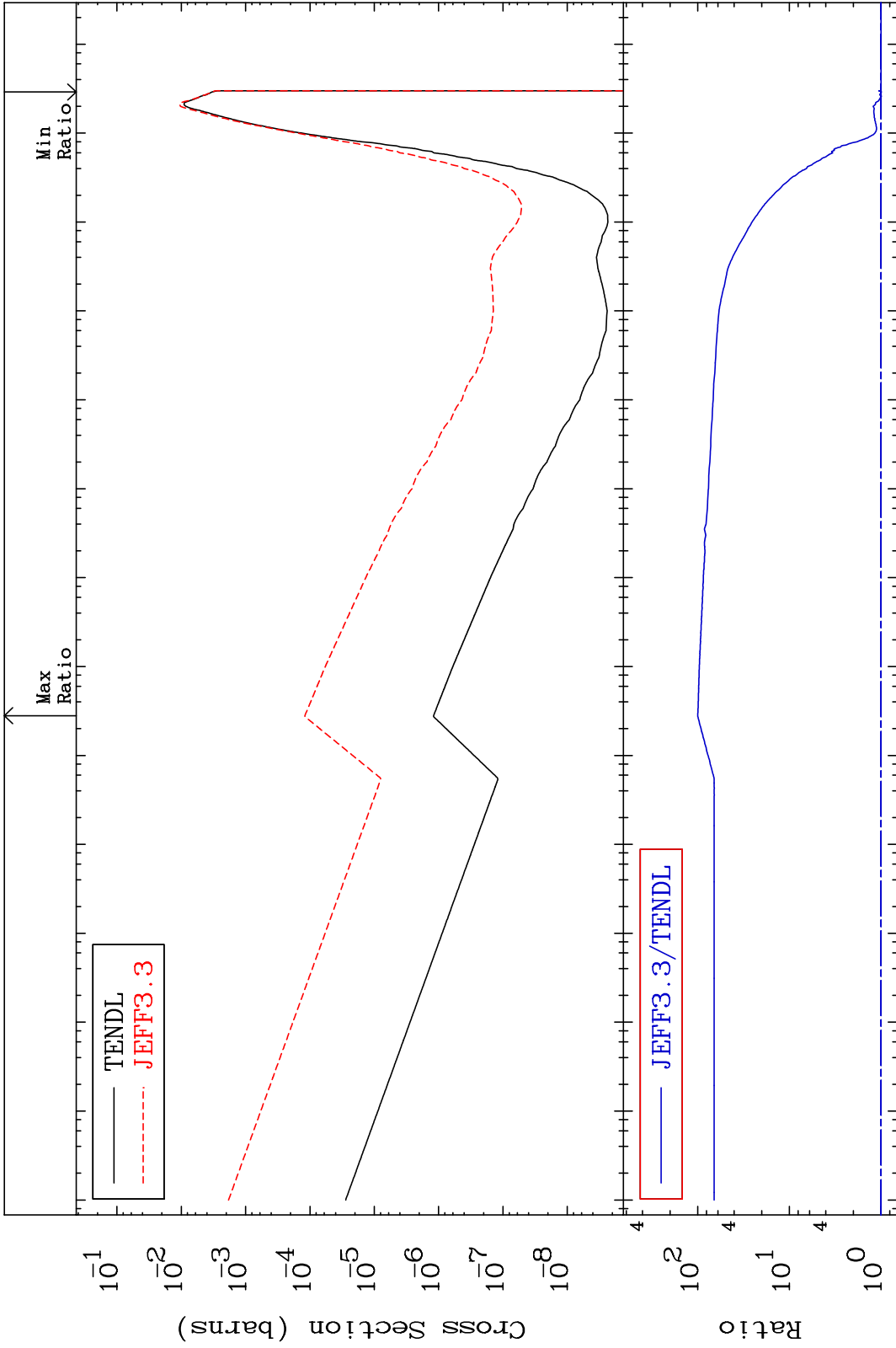
MAT 7128

(n, α)

71-Lu-176

-1.434 To 9871. %

Cross Section



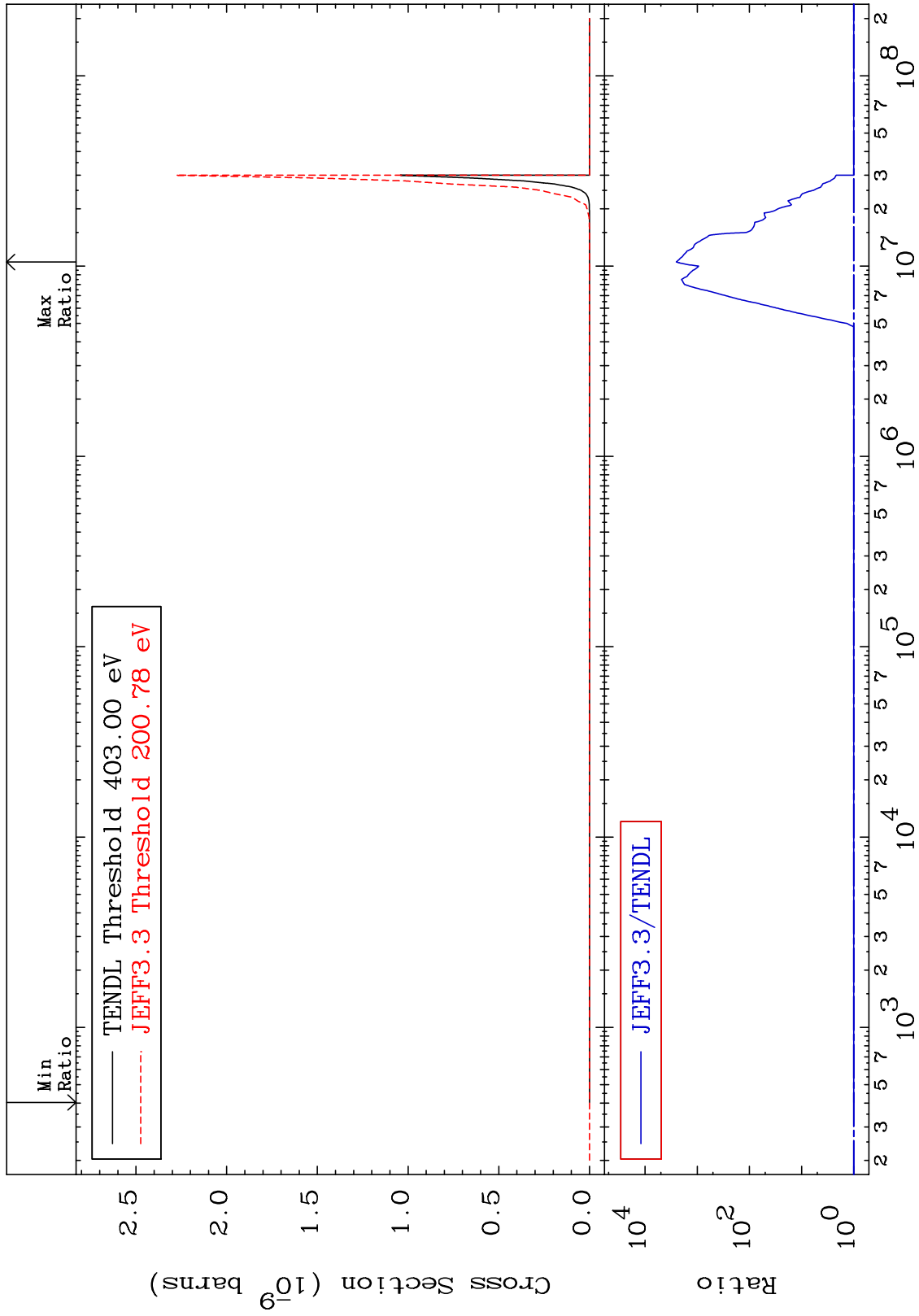
MAT 7128

(n, 2α)

71-Lu-176

Cross Section

0.000 To 9999. %



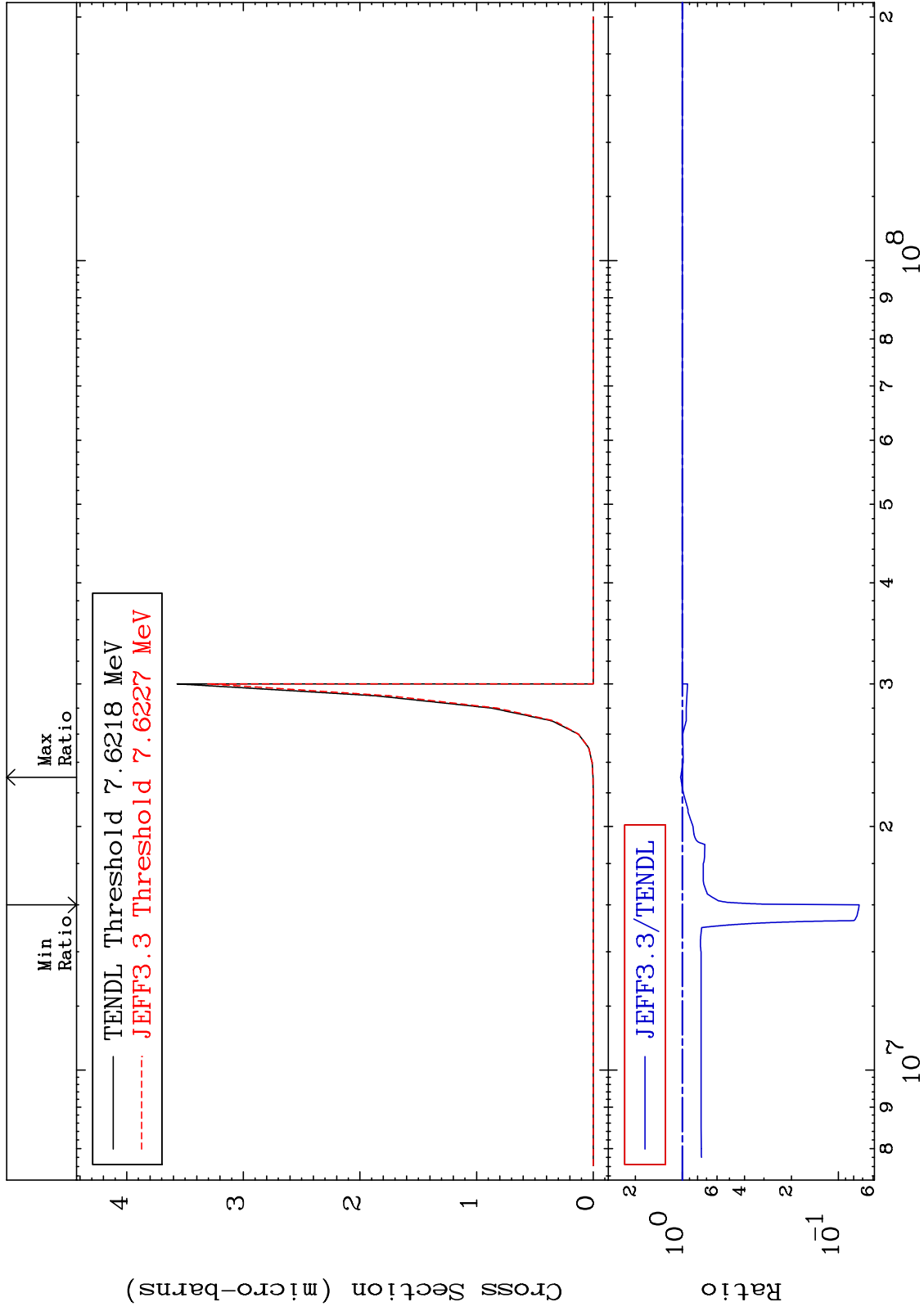
MAT 7128

(n,2p)

⁷¹-Lu-176

Cross Section

-92.63 To 2.617 %



56

Incident Energy (eV)

⁷¹-Lu-176

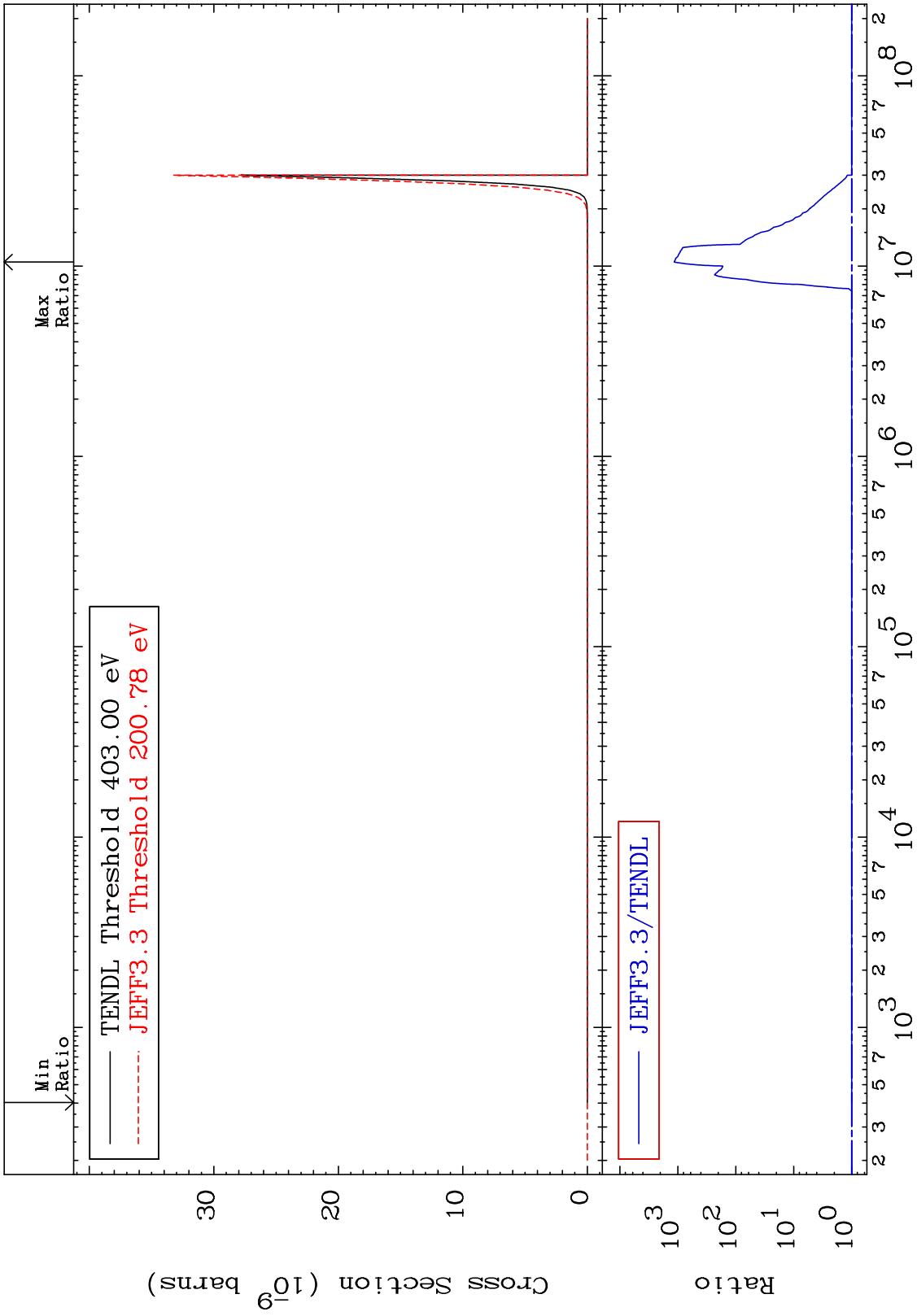
MAT 7128

(n,p) α

71-Lu-176

Cross Section

0.000 To 9999. %



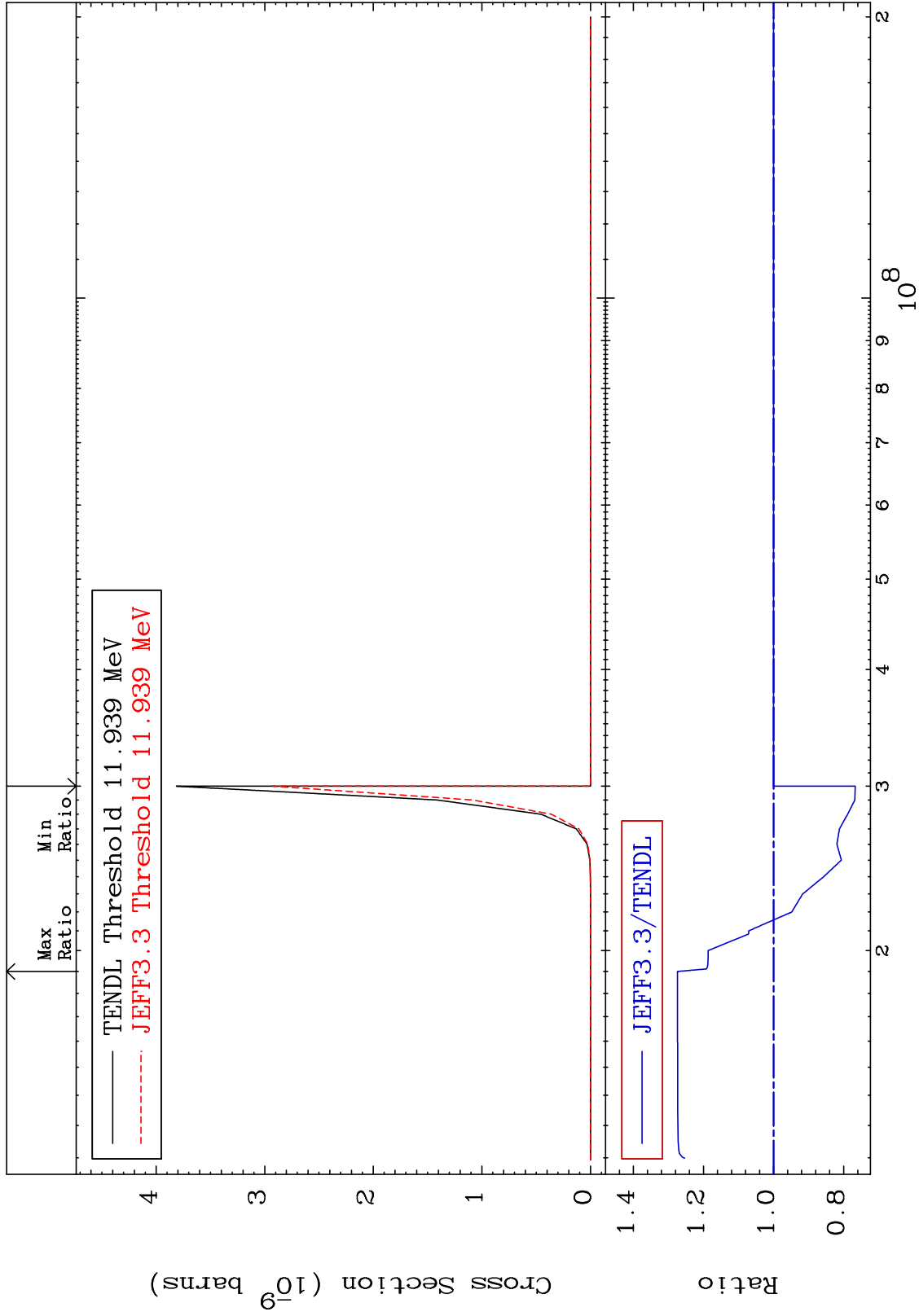
MAT 7128

(n,p) d

⁷¹Lu-176

Cross Section

-23.30 To 27.40 %



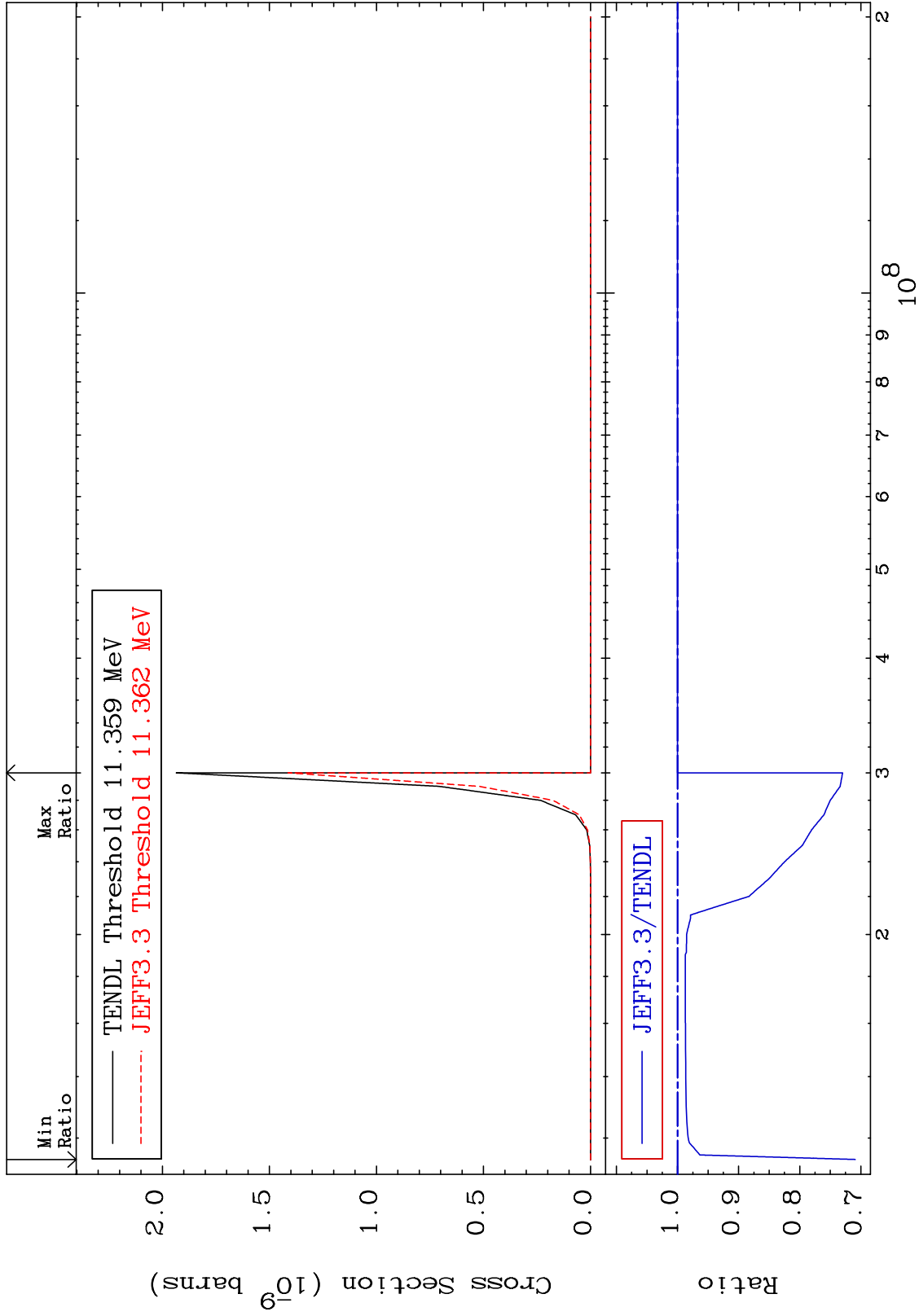
MAT 7128

(n,p) t

⁷¹Lu-176

Cross Section

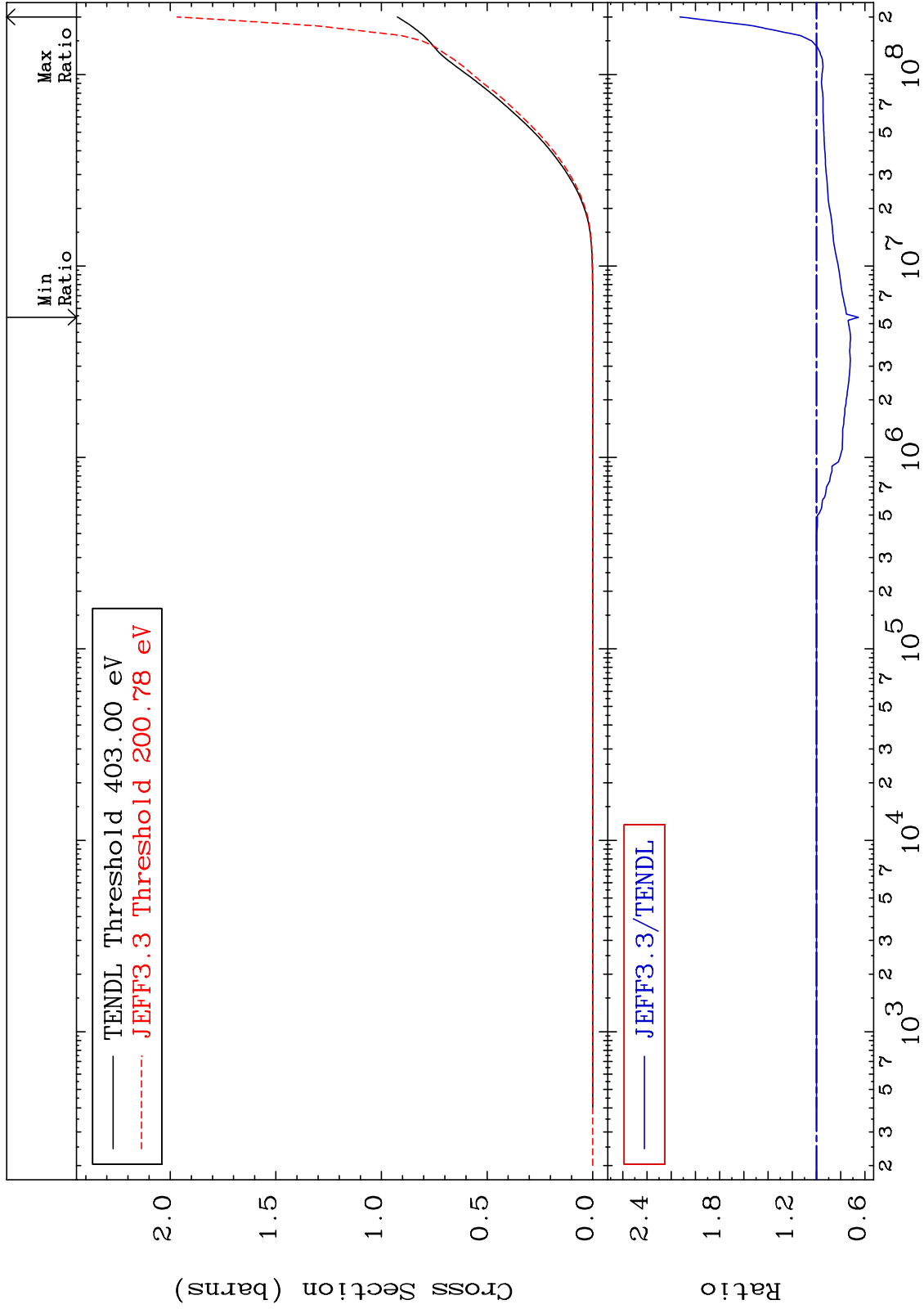
-29.10 To 0.000 %



MAT 7128

Hydrogen Production
Cross Section

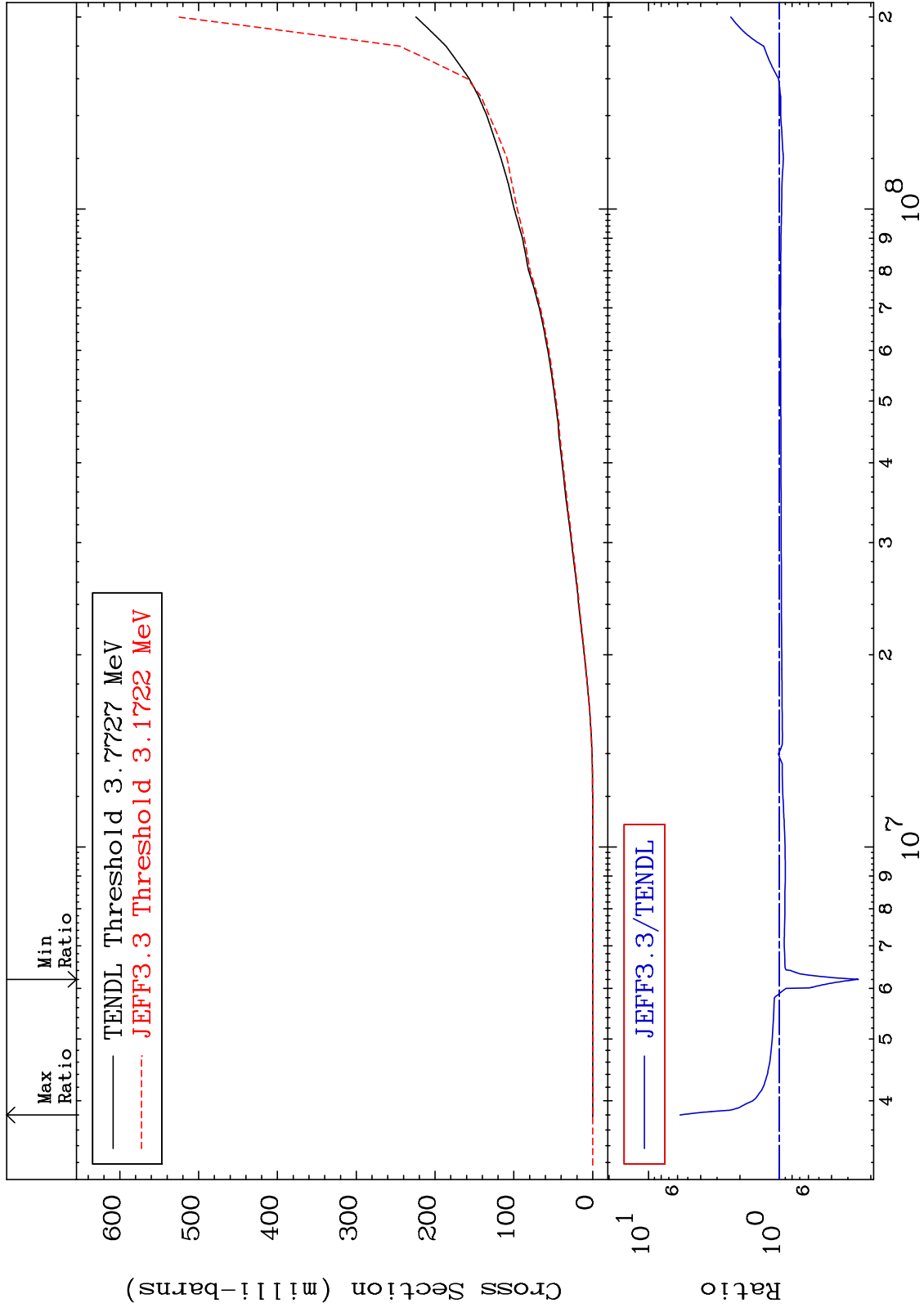
71-Lu-176
-34.58 To 112.7 %



MAT 7128

Deuterium Production
Cross Section

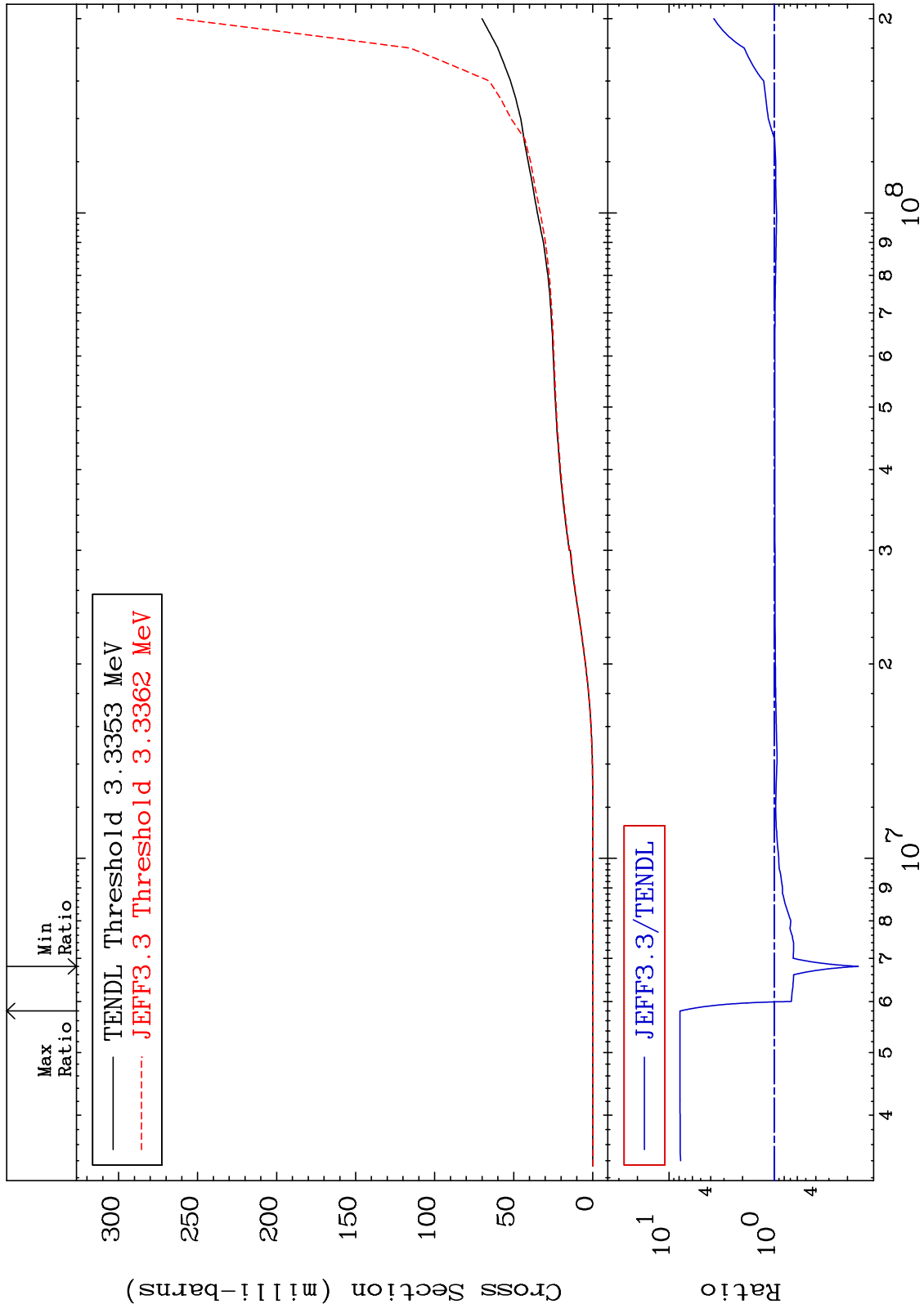
⁷¹-Lu-176
-75.09 To 474.4 %



MAT 7128

Tritium Production
Cross Section

⁷¹Lu-176
-84.24 To 685.4 %



62

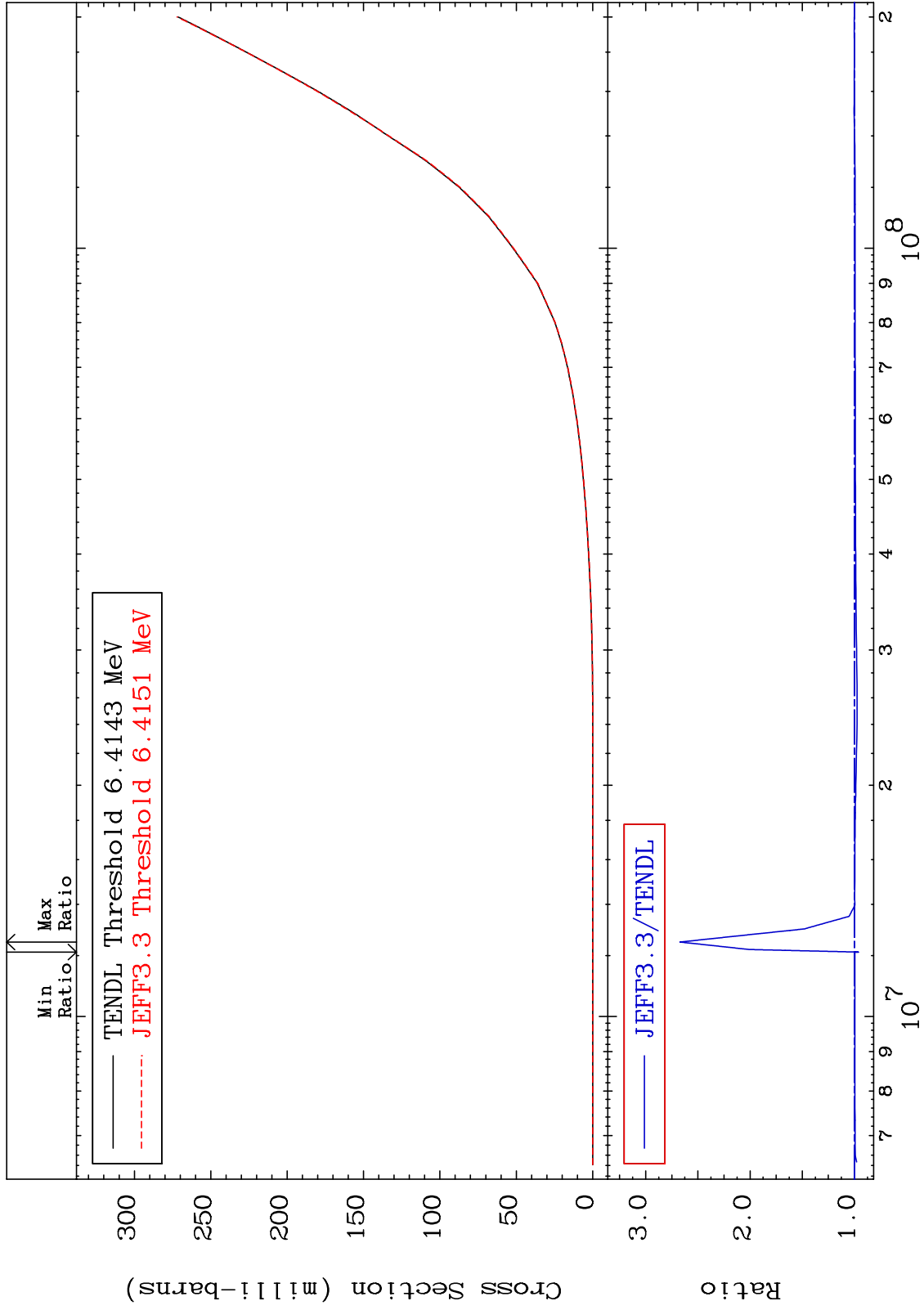
Incident Energy (eV)

⁷¹Lu-176

MAT 7128

He-3 Production
Cross Section

71-Lu-176
-3.779 To 167.1 %



63

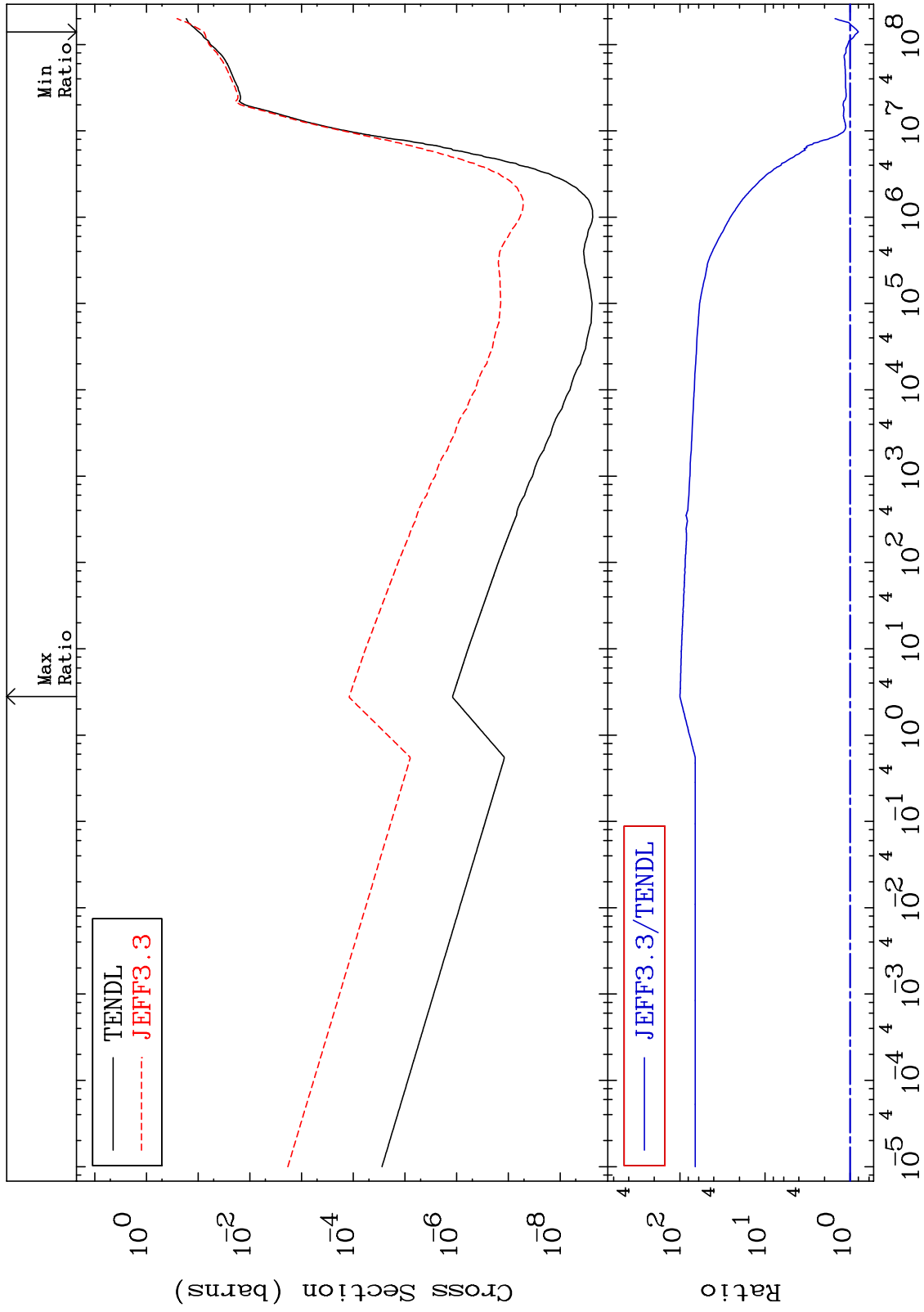
Incident Energy (eV)

71-Lu-176

MAT 7128

He-4 Production
Cross Section

71-Lu-176
-20.17 To 9871. %



64

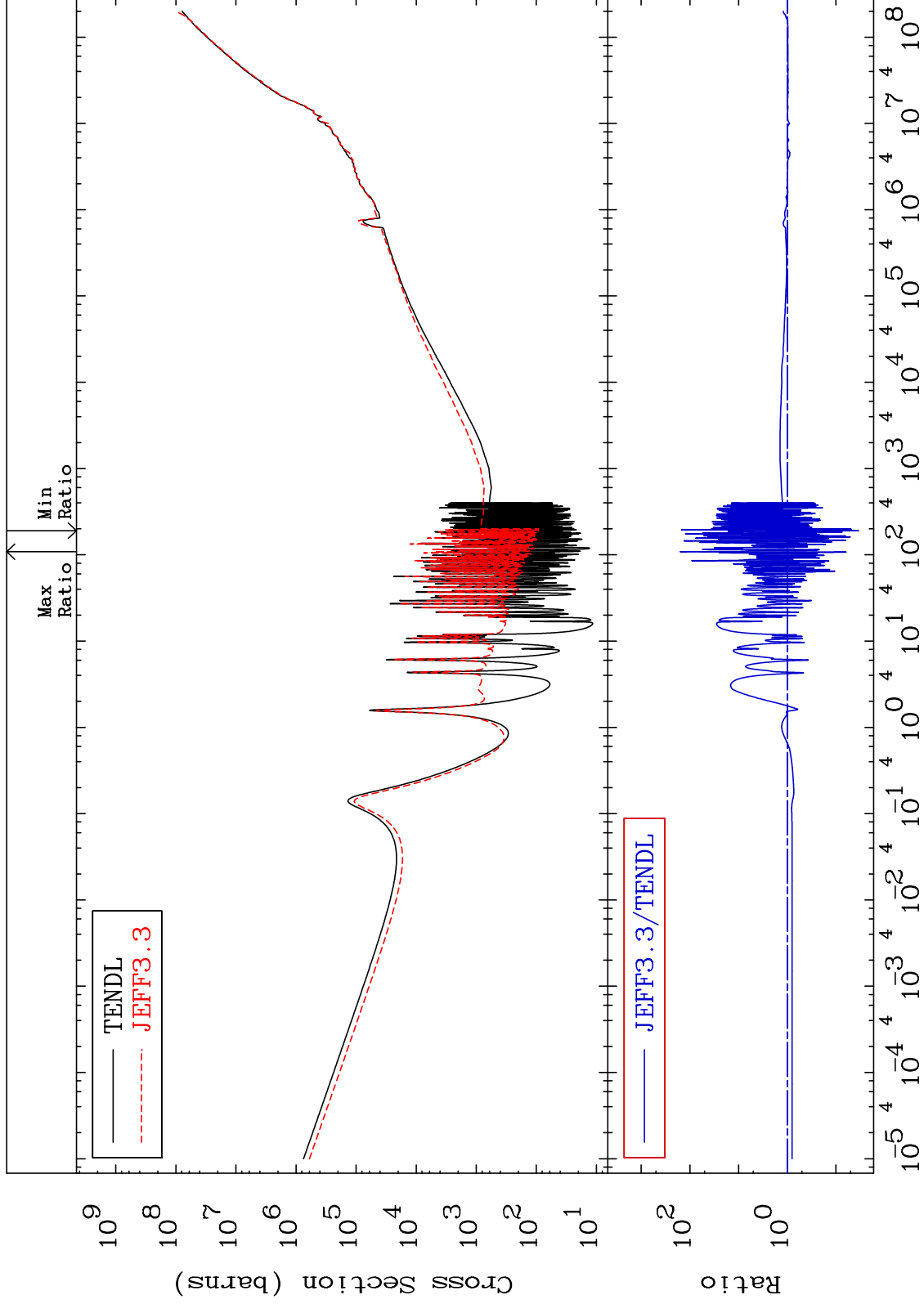
Incident Energy (eV)

71-Lu-176

MAT 7128

Kerma total (eV-barns)
Cross Section

71-Lu-176
-96.55 To 9999. %



65

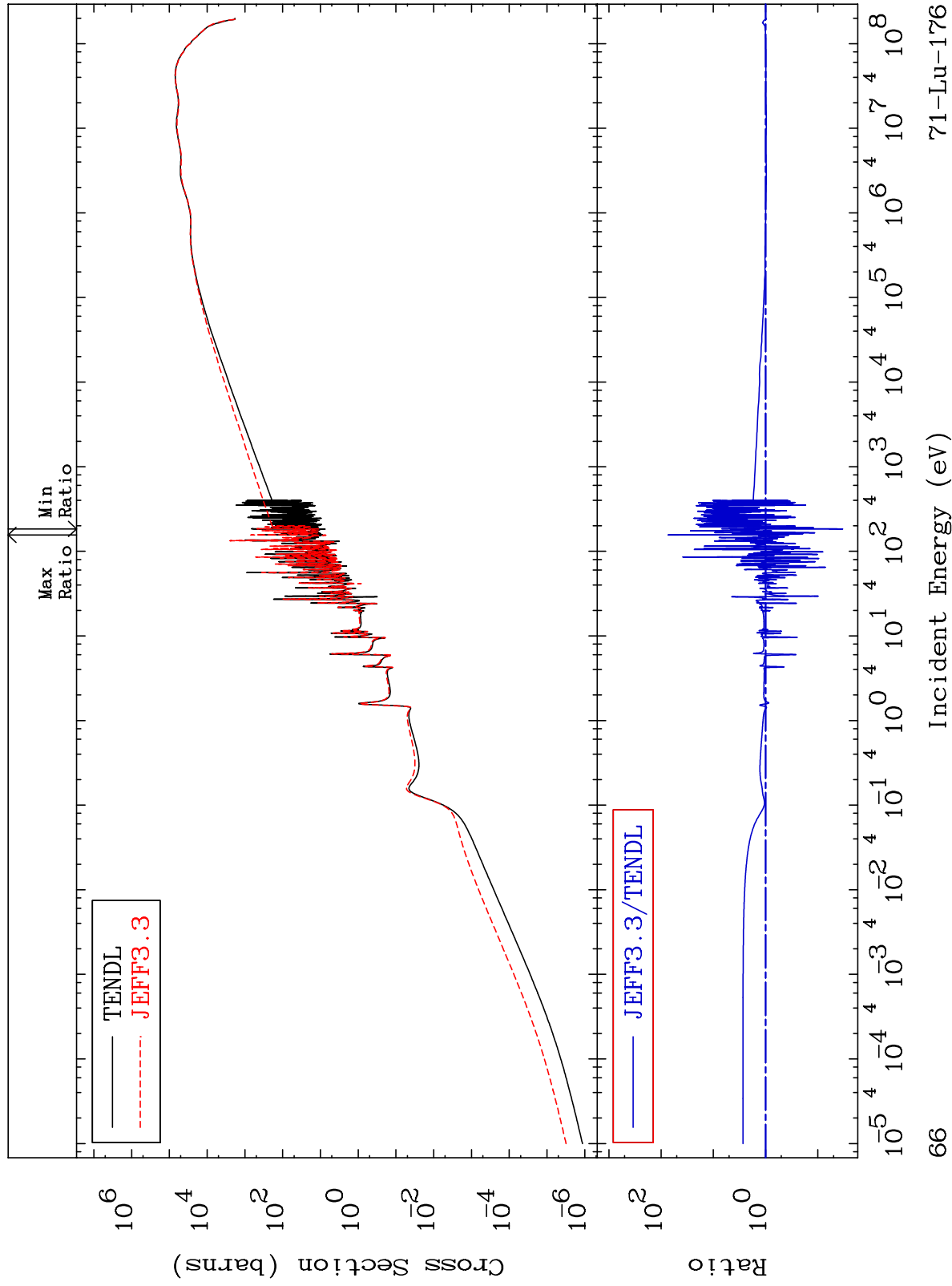
Incident Energy (eV)

71-Lu-176

MAT 7128

Kerma elastic
Cross Section

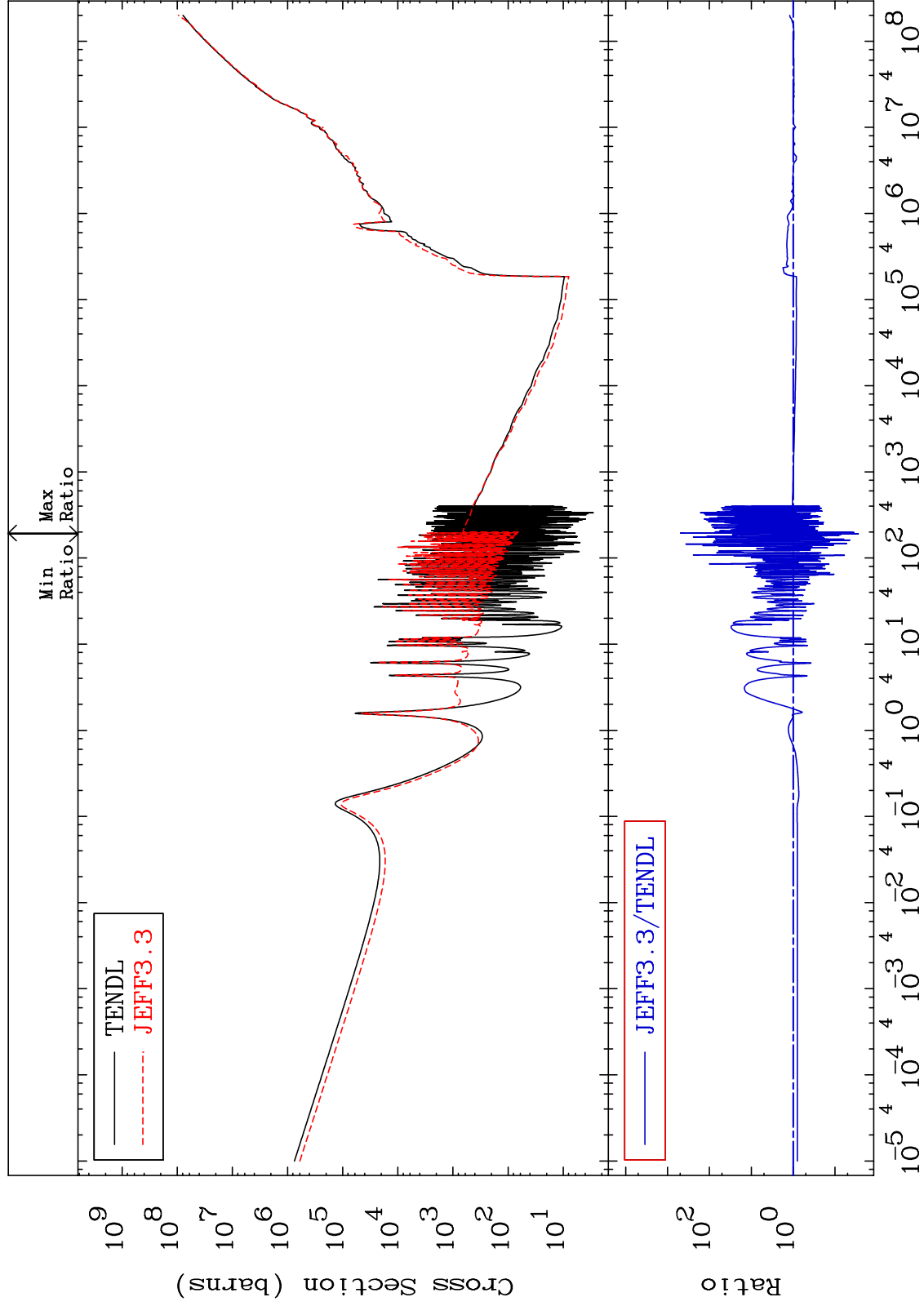
71-Lu-176
-96.69 To 7267. %



MAT 7128

Kerma non-elastic (all but mt2)
Cross Section

71-Lu-176
-97.25 To 9999. %



67

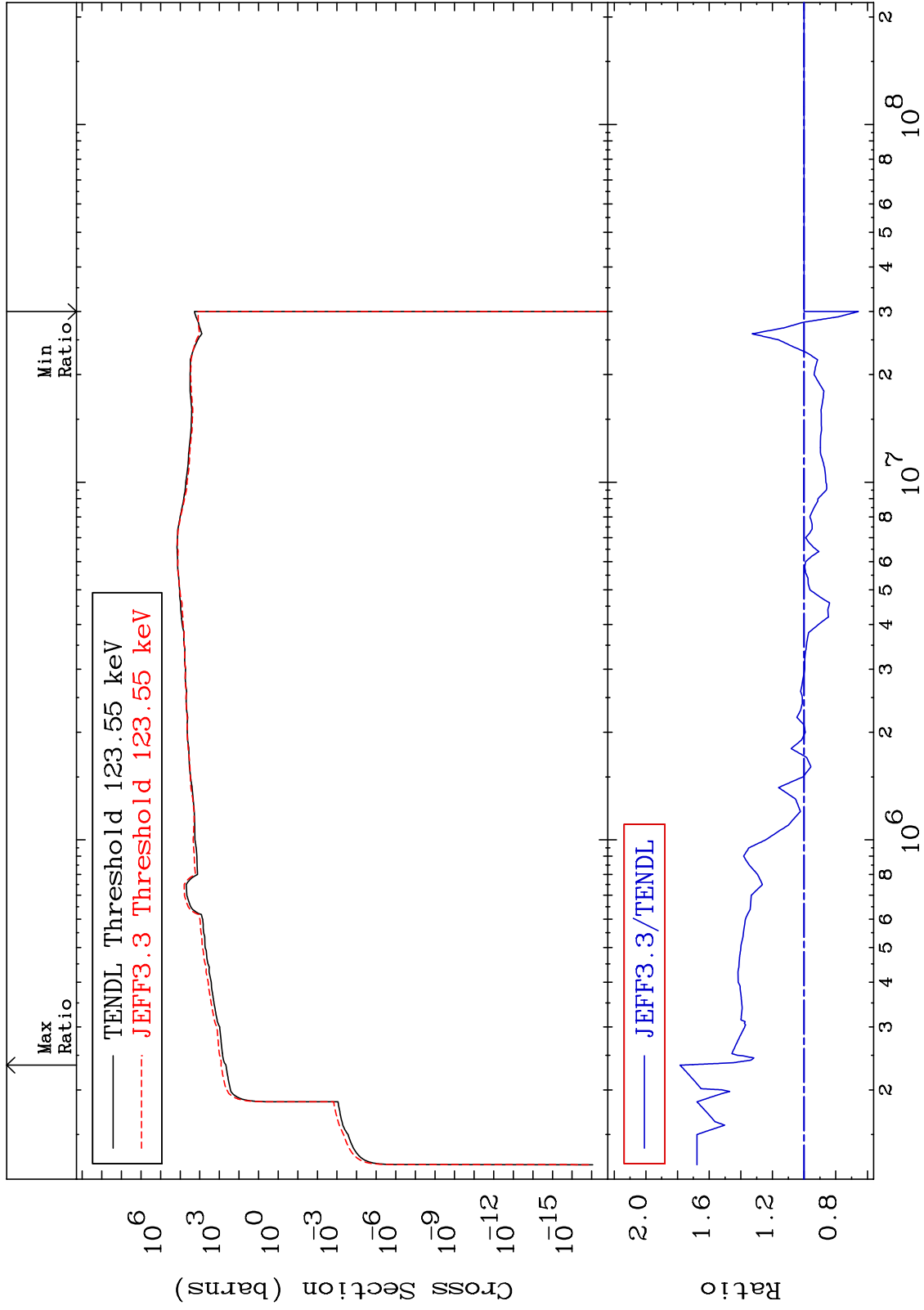
Incident Energy (eV)

71-Lu-176

MAT 7128

Kerma inelastic (mt51-91)
Cross Section

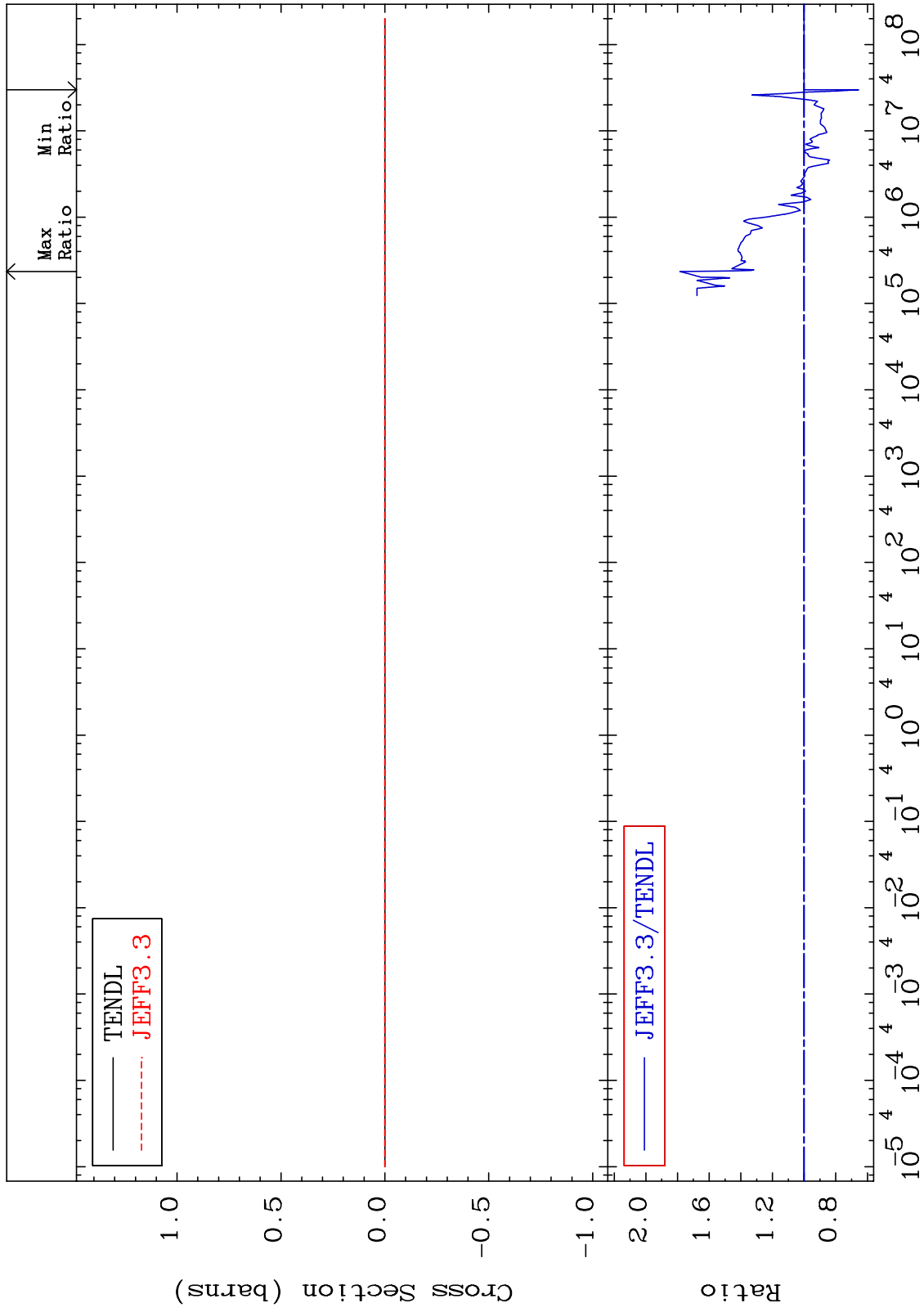
71-Lu-176
-34.30 To 78.42 %



MAT 7128

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

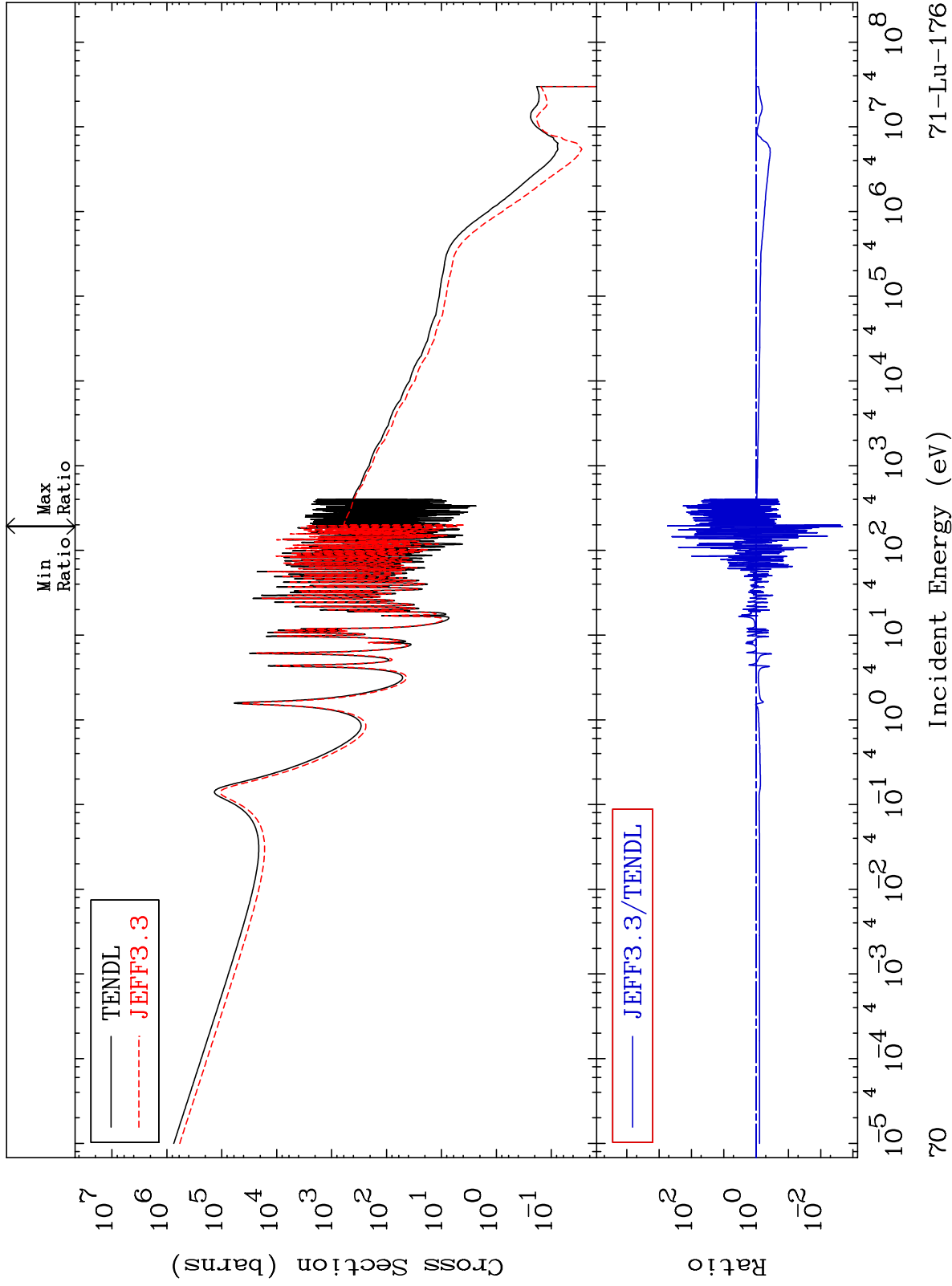
71-Lu-176
-34.30 To 78.42 %



MAT 7128

Kerma capture (mt102)
Cross Section

71-Lu-176
-99.79 To 9999. %



70

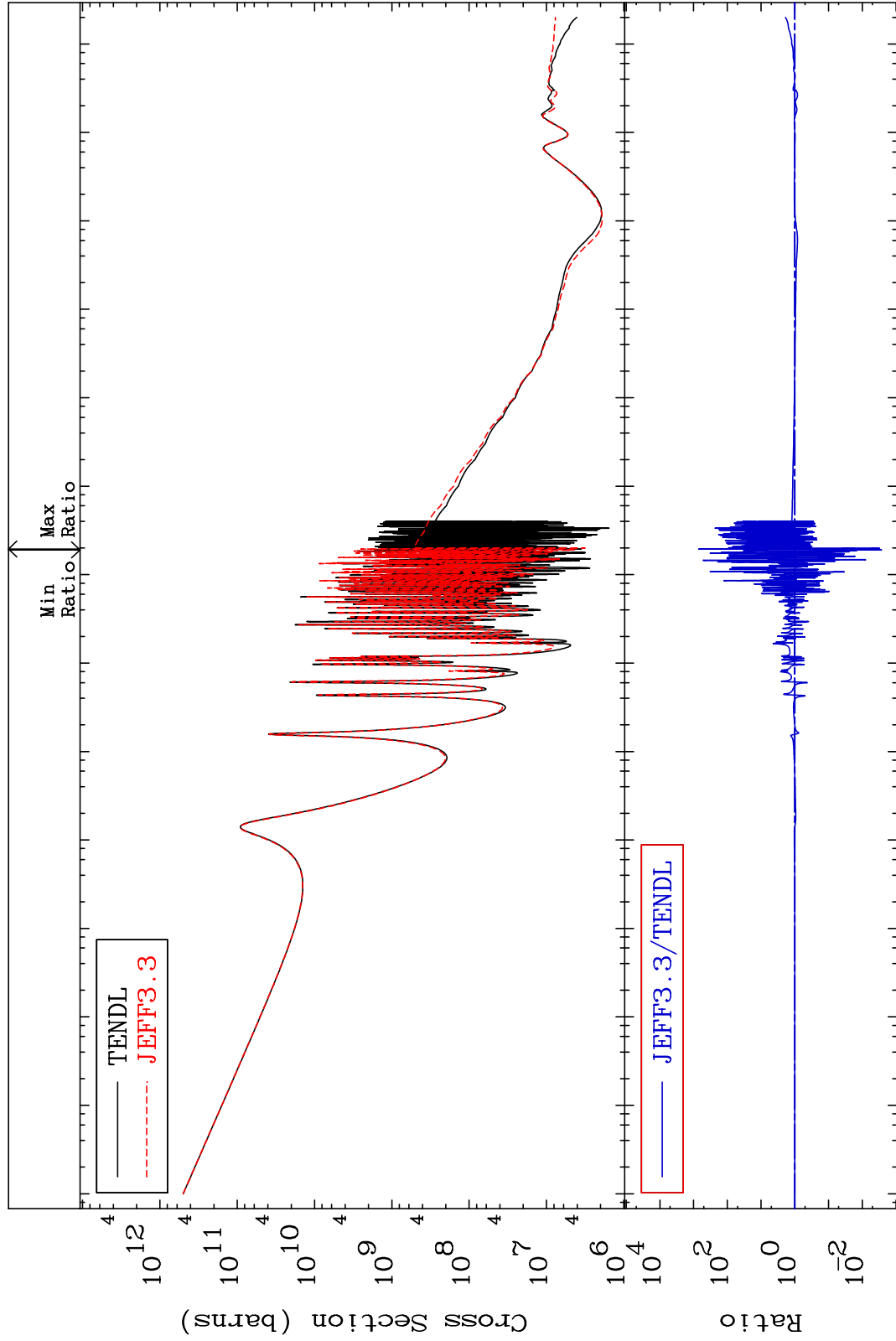
Incident Energy (eV)

71-Lu-176

MAT 7128

Total photon (eV-barns)
Cross Section

71-Lu-176
-99.73 To 9999. %



71

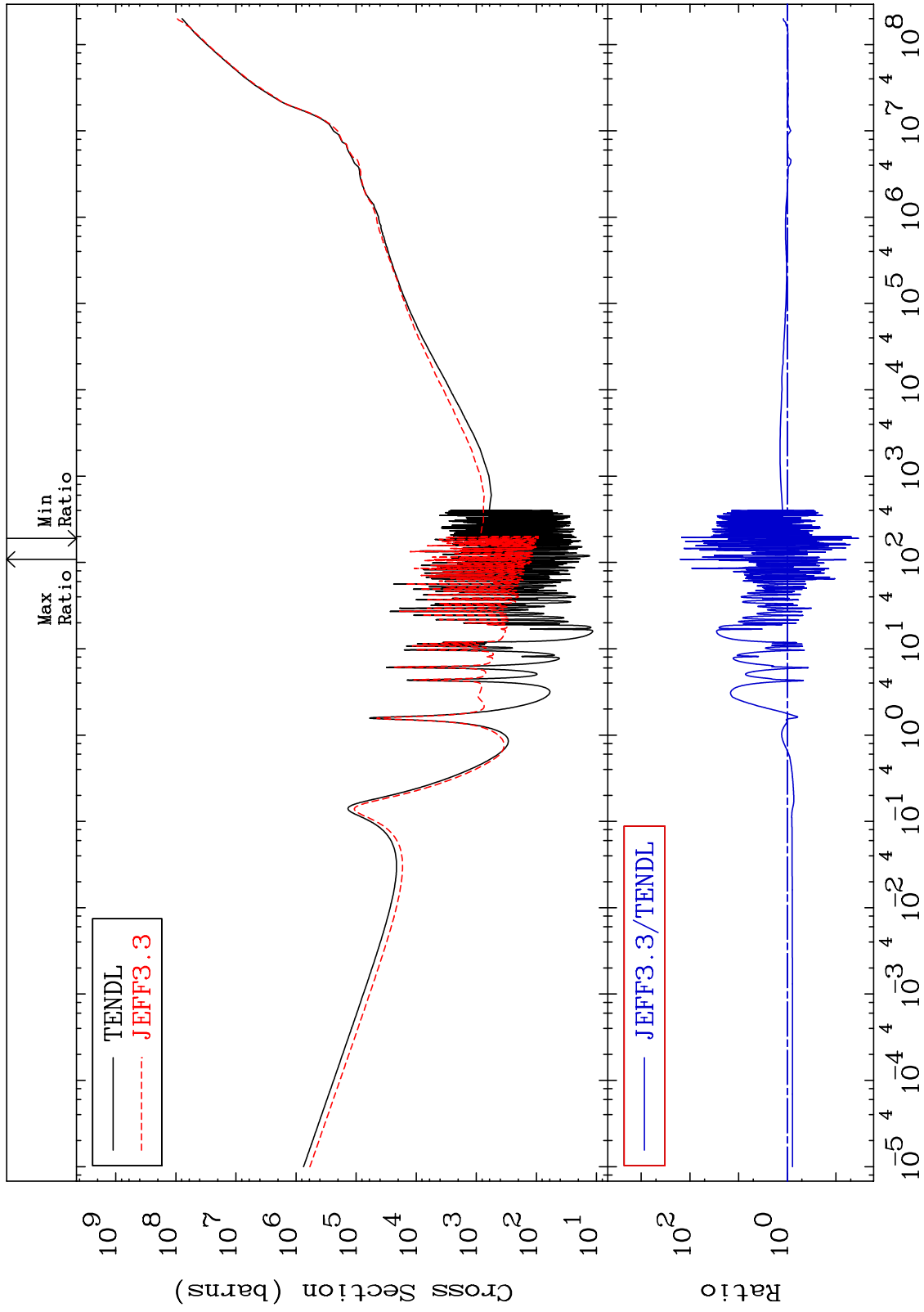
Incident Energy (eV)

71-Lu-176

MAT 7128

Total kinematic kerma (high limit)
Cross Section

71-Lu-176
-96.53 To 9999. %



72

Incident Energy (eV)

71-Lu-176

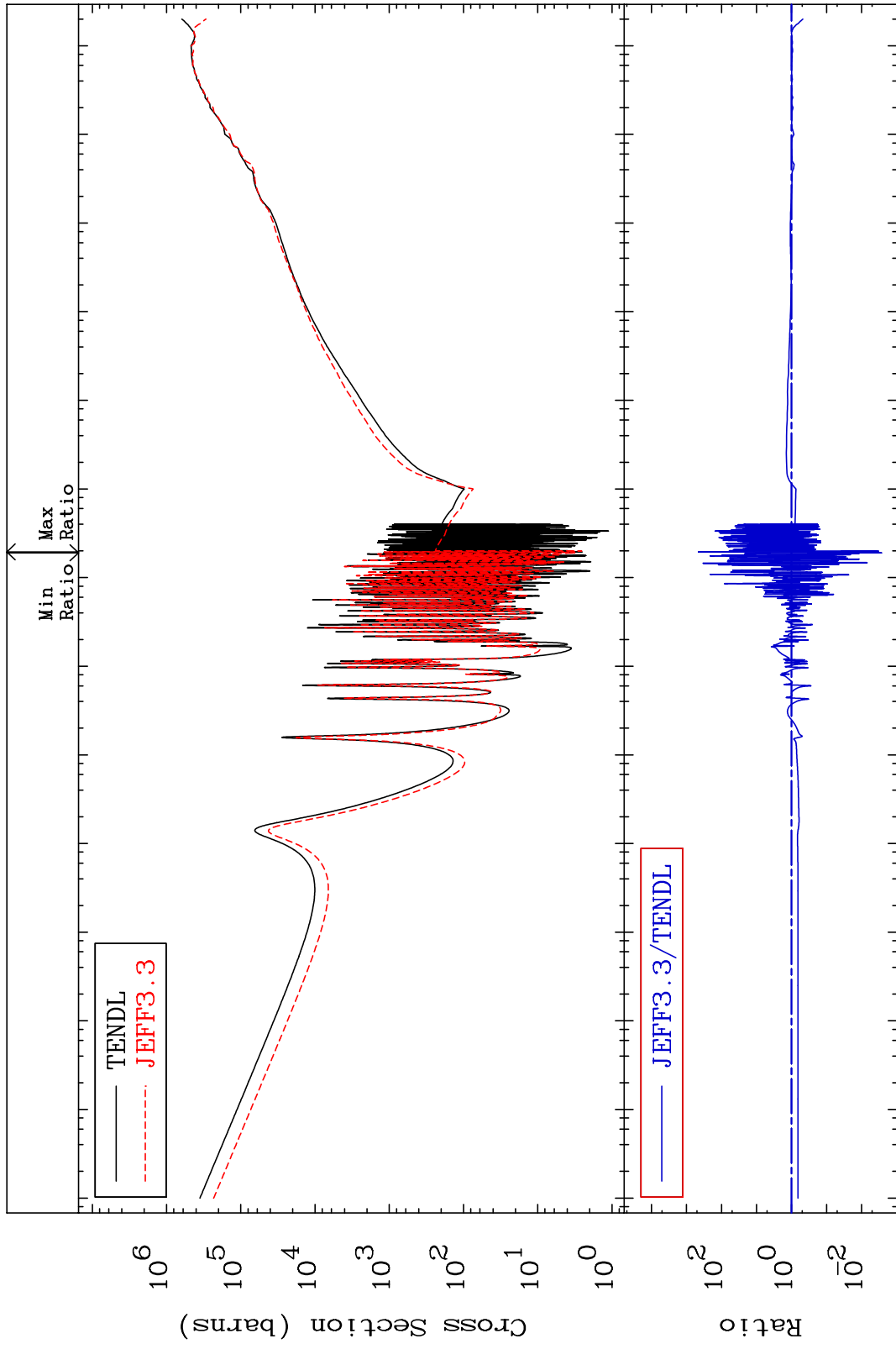
MAT 7128

Dpa total (eV-barns)

71-Lu-176

-99.73 To 9999. %

Cross Section



Ratio

Incident Energy (eV)

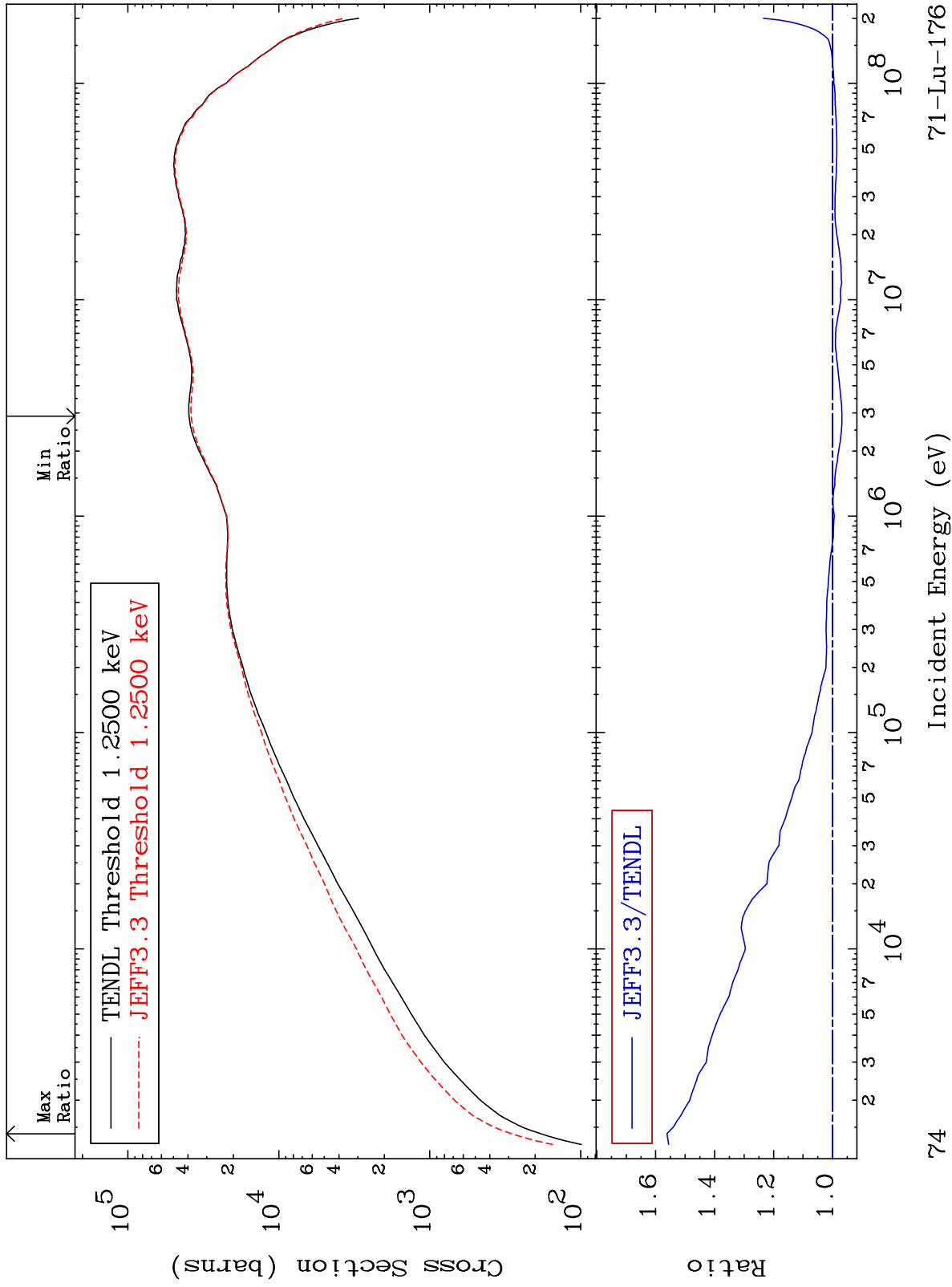
73

71-Lu-176

MAT 7128

Dpa elastic (mt2)
Cross Section

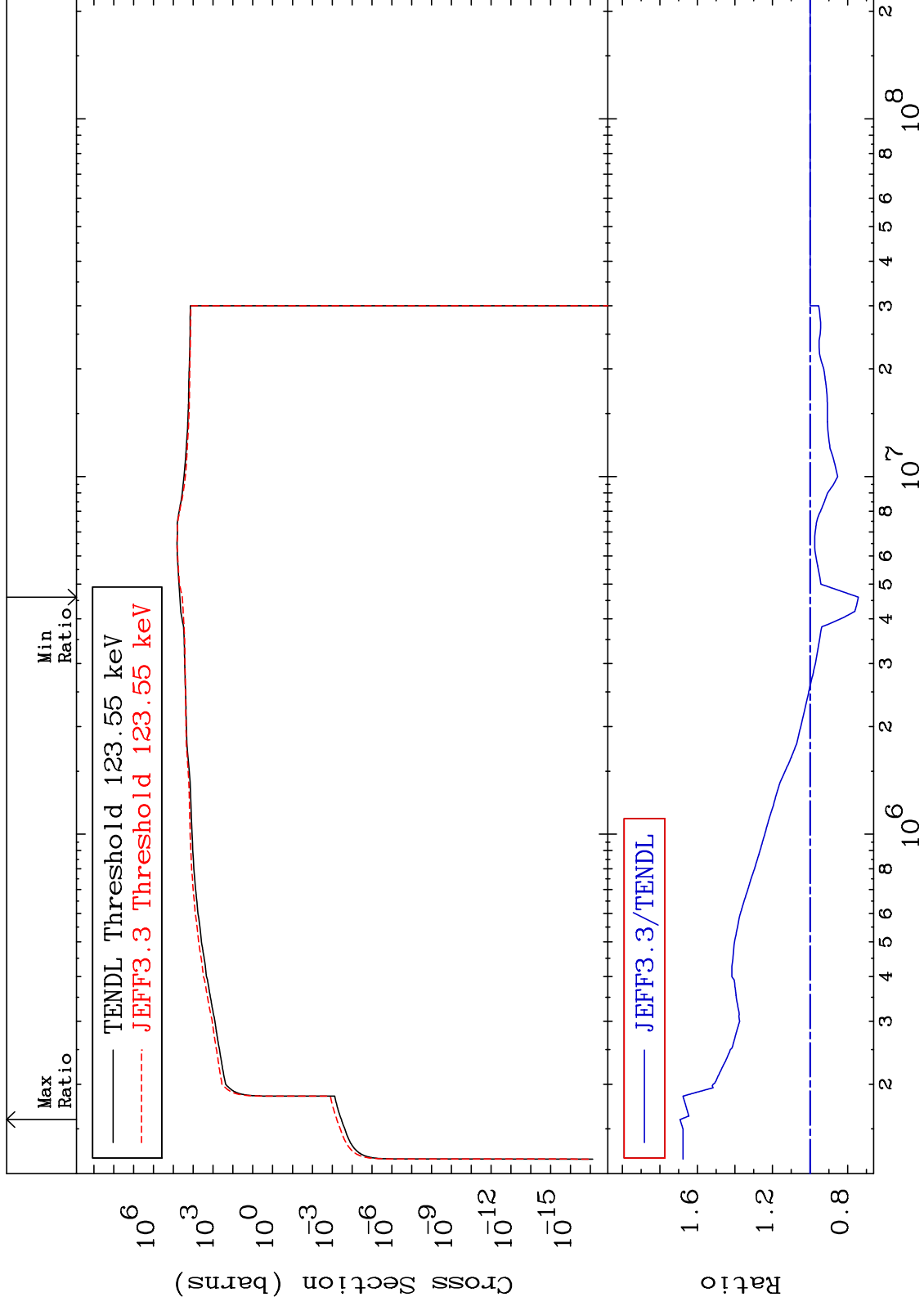
71-Lu-176
-3.199 To 56.16 %



MAT 7128

Dpa inelastic (mt51-91)
Cross Section

71-Lu-176
-25.76 To 69.28 %



75

Incident Energy (eV)

71-Lu-176

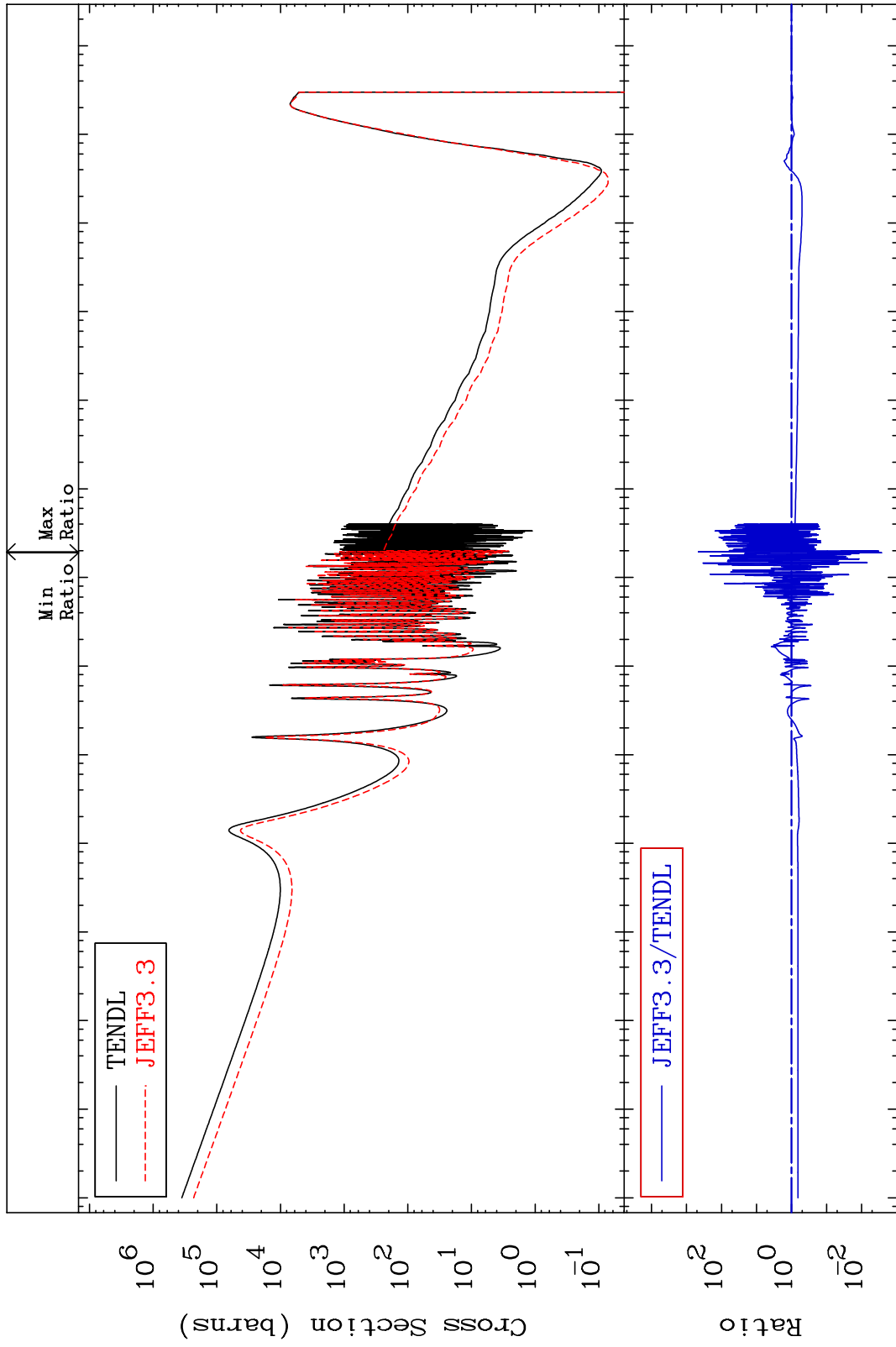
MAT 7128

Dpa disappearance (mt102 -120)

71-Lu-176

-99.73 To 9999. %

Cross Section



76

Incident Energy (eV)

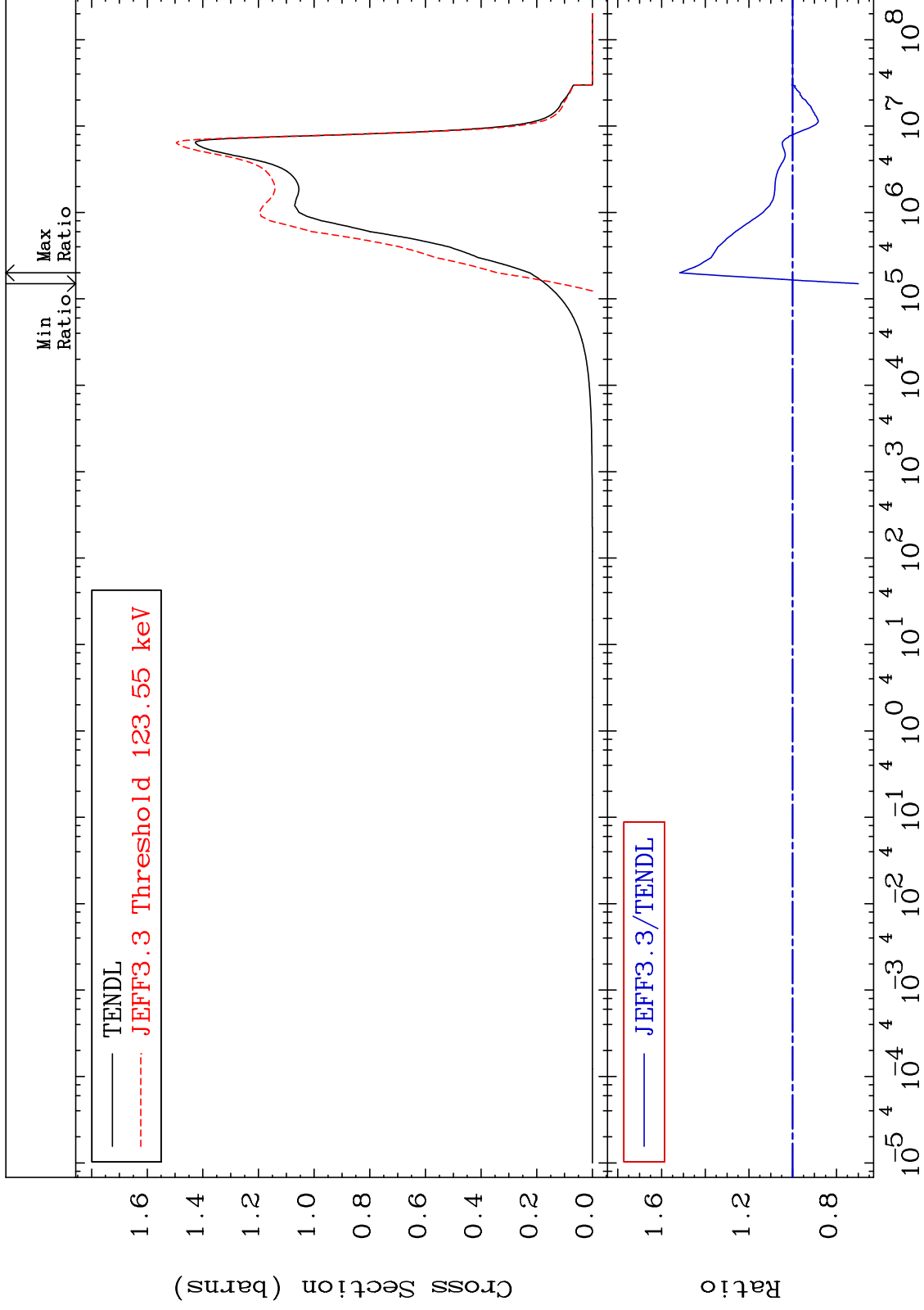
71-Lu-176

MAT 7128

Inelastic: 71-Lu-176g

71-Lu-176

Radionuclide Production Cross Section -30.05 To 51.63 %



77

Incident Energy (eV)

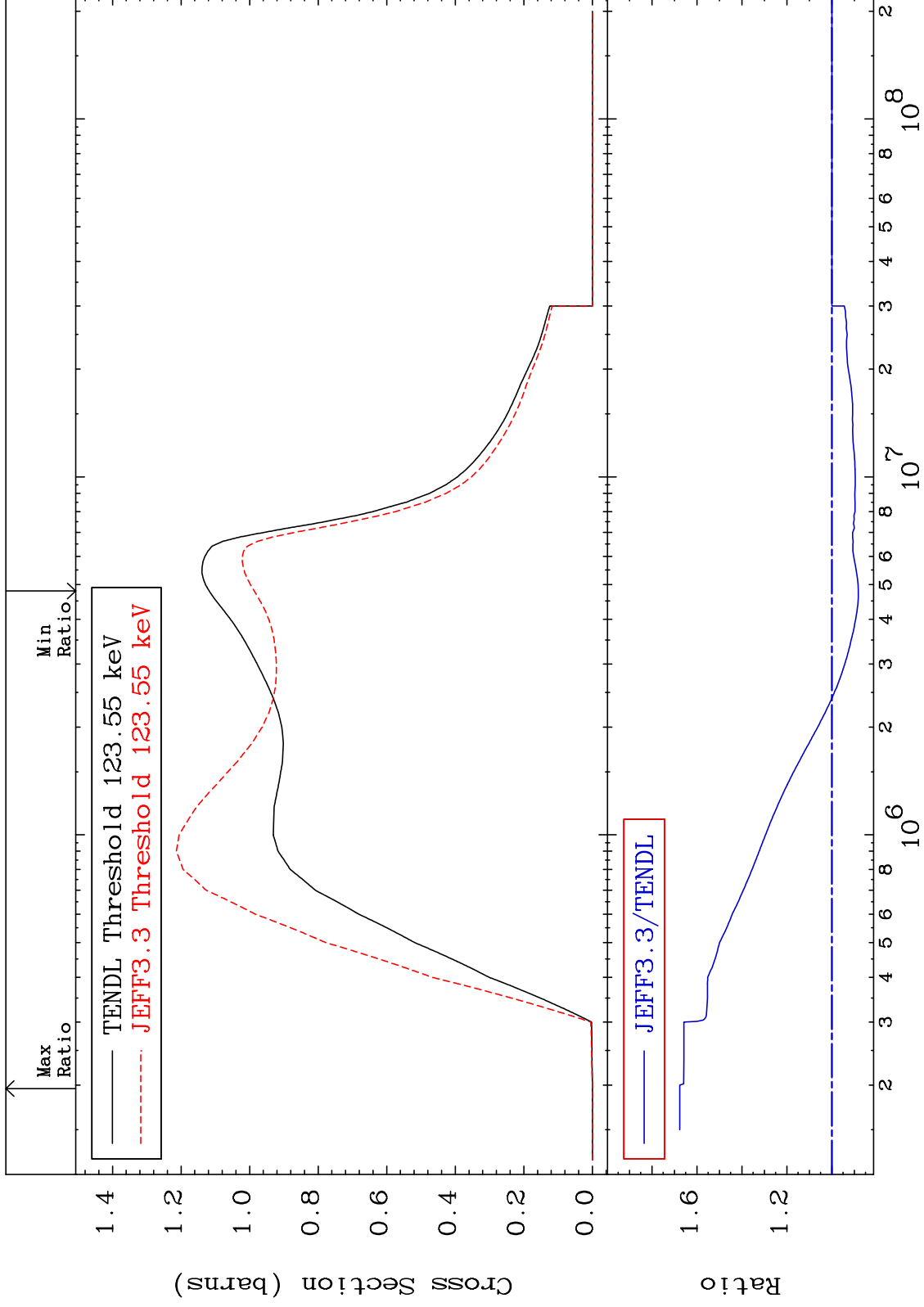
71-Lu-176

MAT 7128

Inelastic: 71-Lu-176m1

71-Lu-176

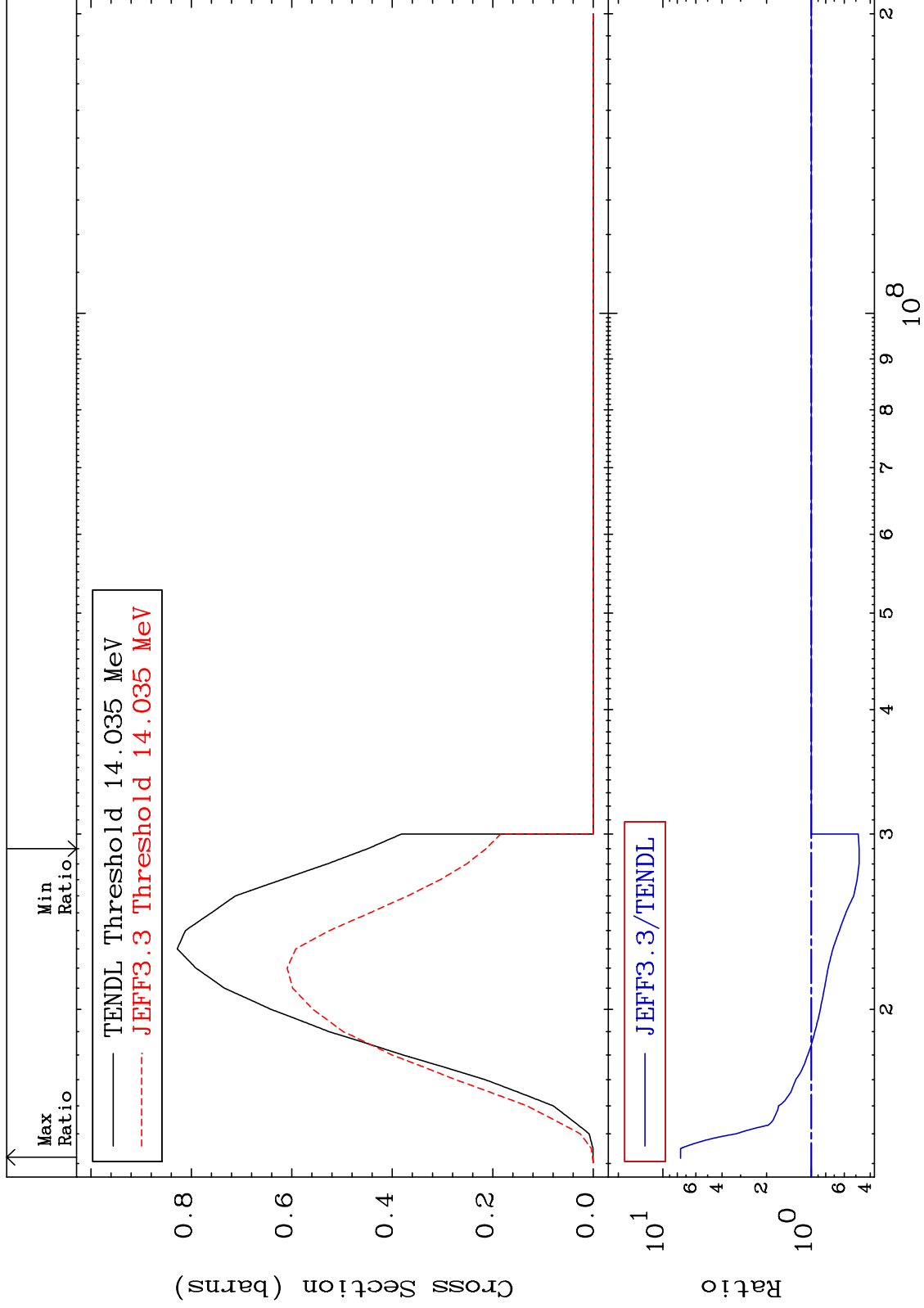
Radionuclide Production Cross Section -11.77 To 67.61 %



78

Incident Energy (eV)

71-Lu-176

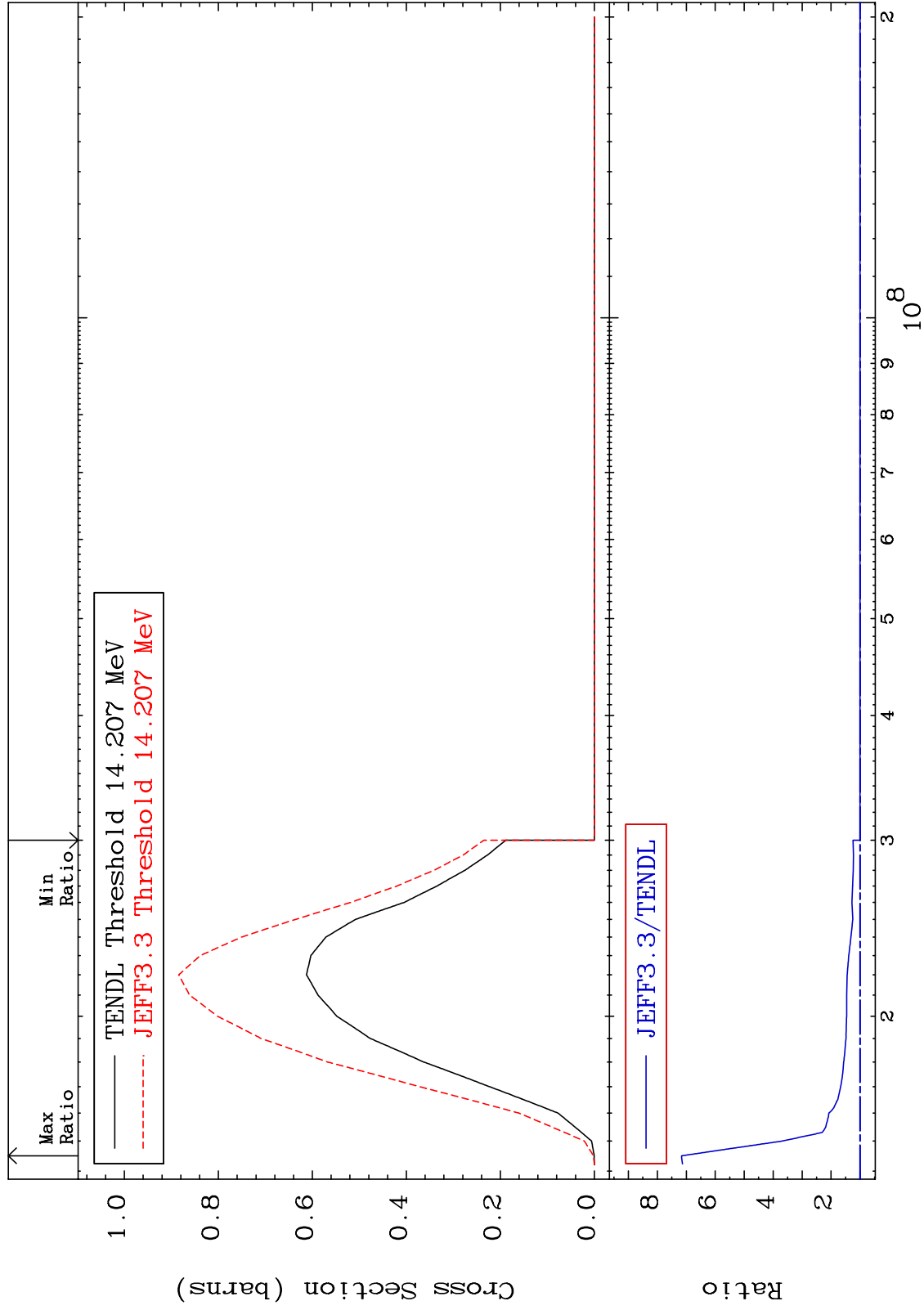


MAT 7128

(n, 3n): 71-Lu-174m3

71-Lu-176

Radionuclide Production Cross Section 0.000 To 616.0 %



80

Incident Energy (eV)

71-Lu-176