

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

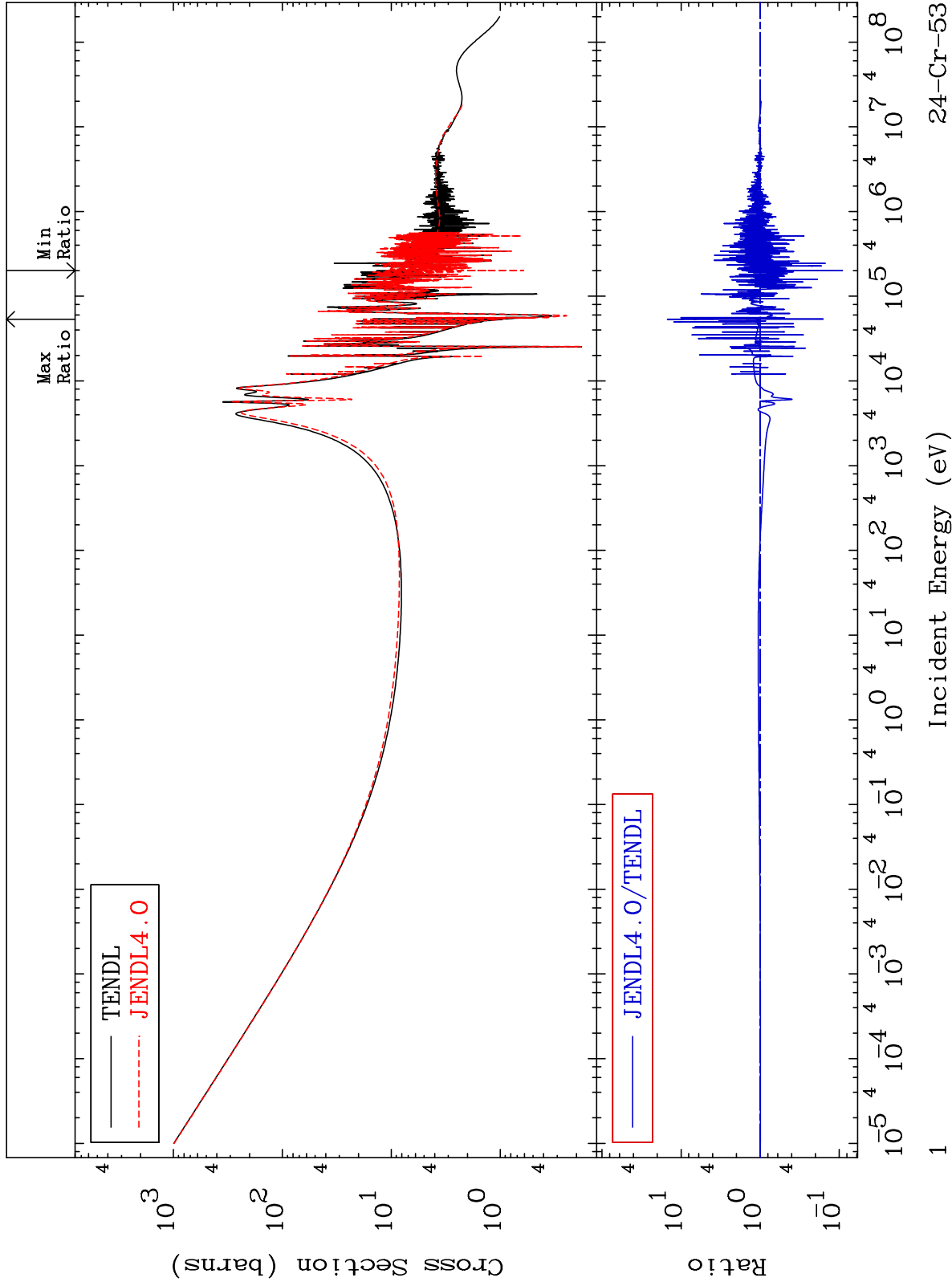
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2434

Total
Cross Section

24-Cr-53
-90.93 To 1383. %



24-Cr-53

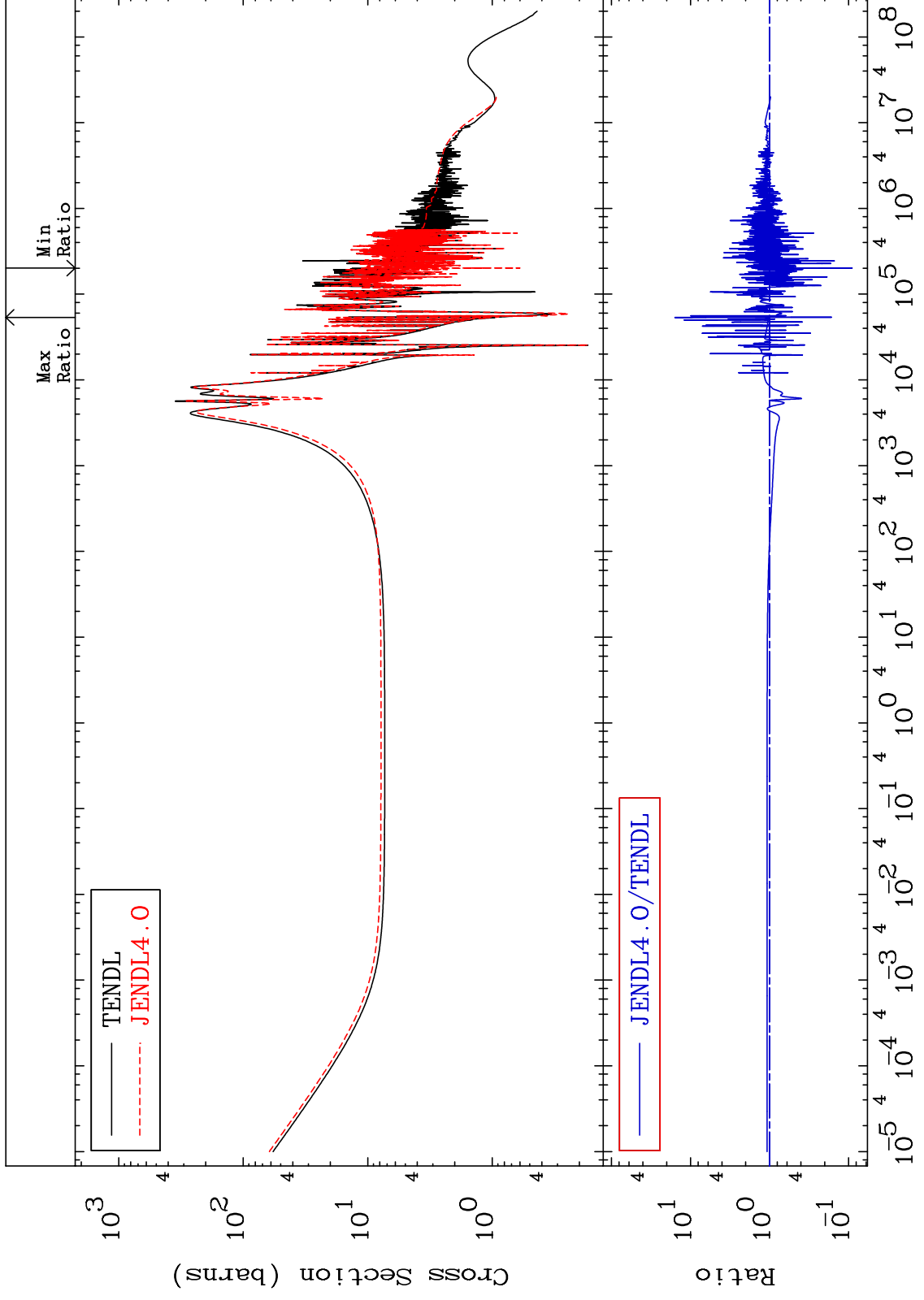
Incident Energy (eV)

1

MAT 2434

Elastic
Cross Section

24-Cr-53
-91.04 To 1469. %



Incident Energy (eV)

24-Cr-53

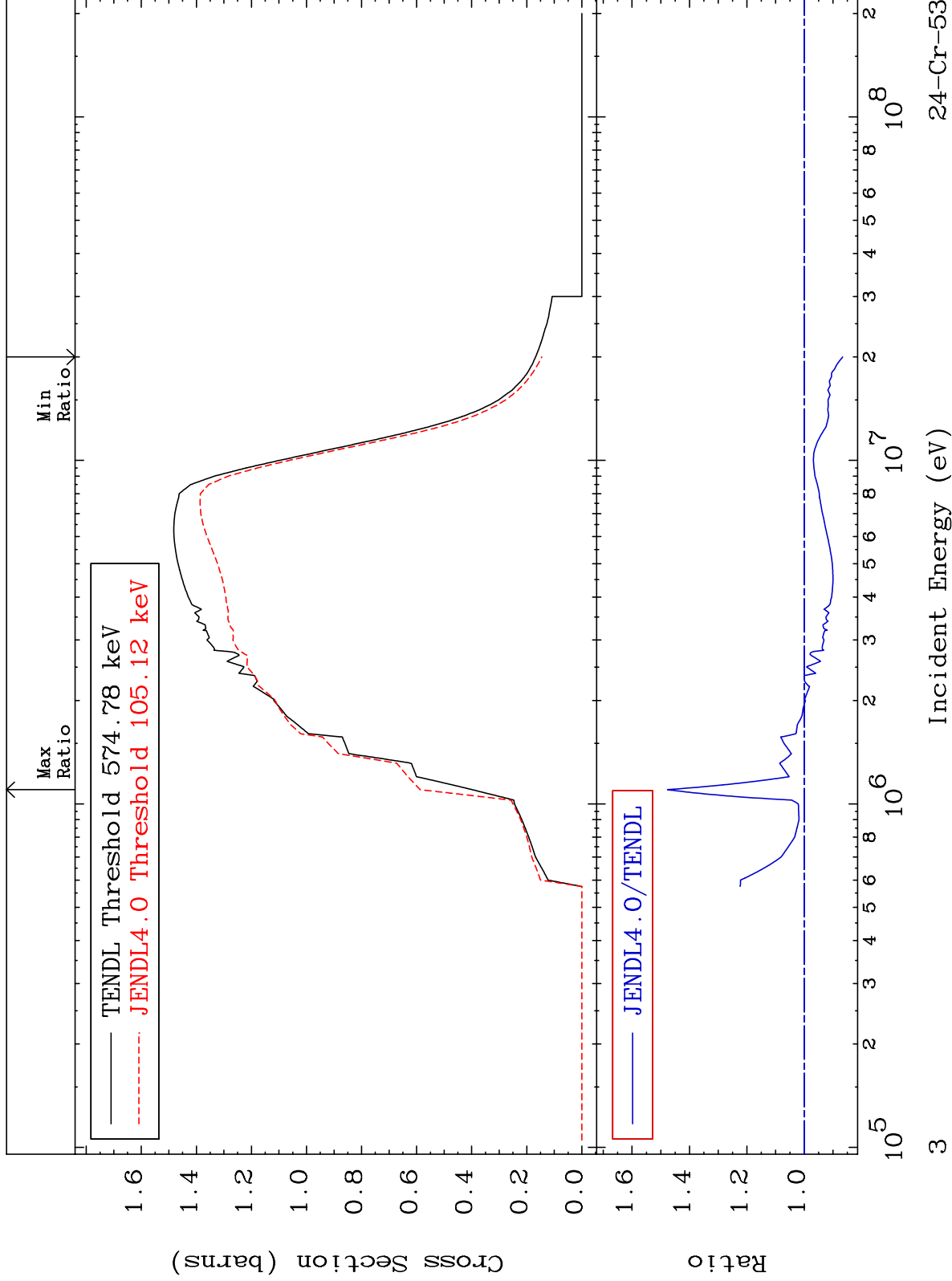
MAT 2434

Inelastic

24-Cr-53

Cross Section

-13.39 To 47.63 %



Incident Energy (eV)

24-Cr-53

3

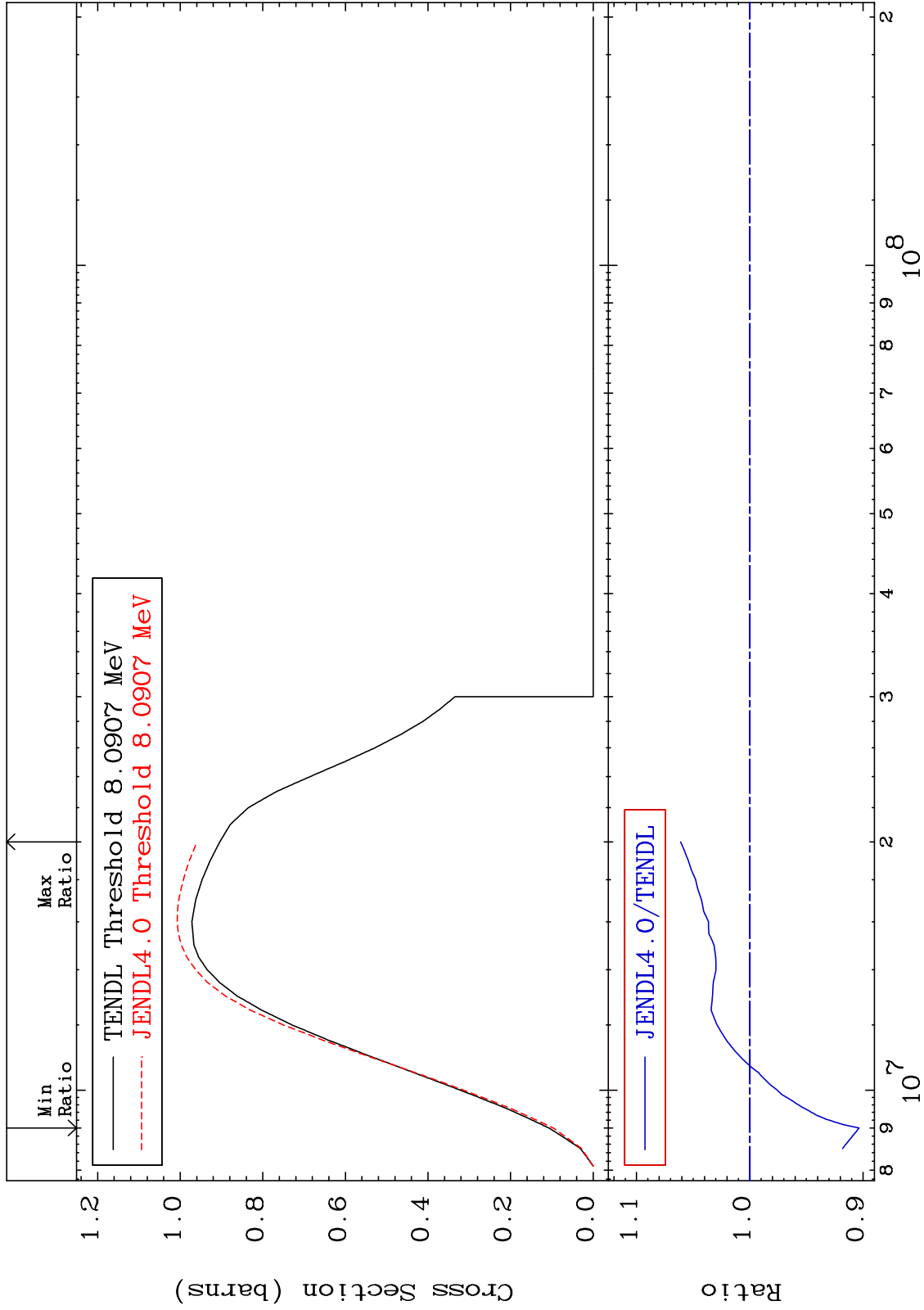
MAT 2434

(n,2n)

24-Cr-53

Cross Section

-9.662 To 6.107 %



4

Incident Energy (eV)

24-Cr-53

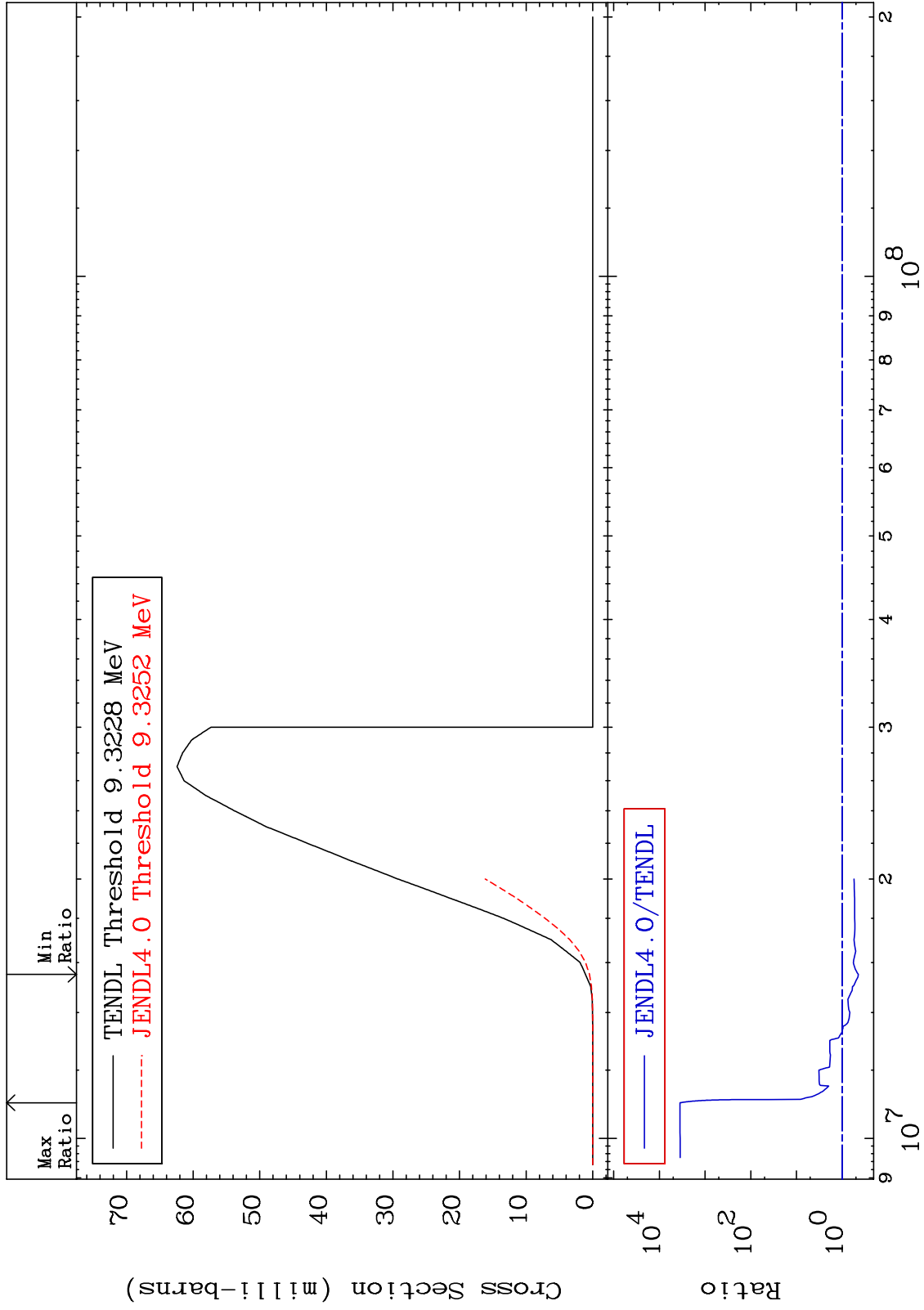
MAT 2434

(n,n') α

24-Cr-53

Cross Section

-55.80 To 9999. %



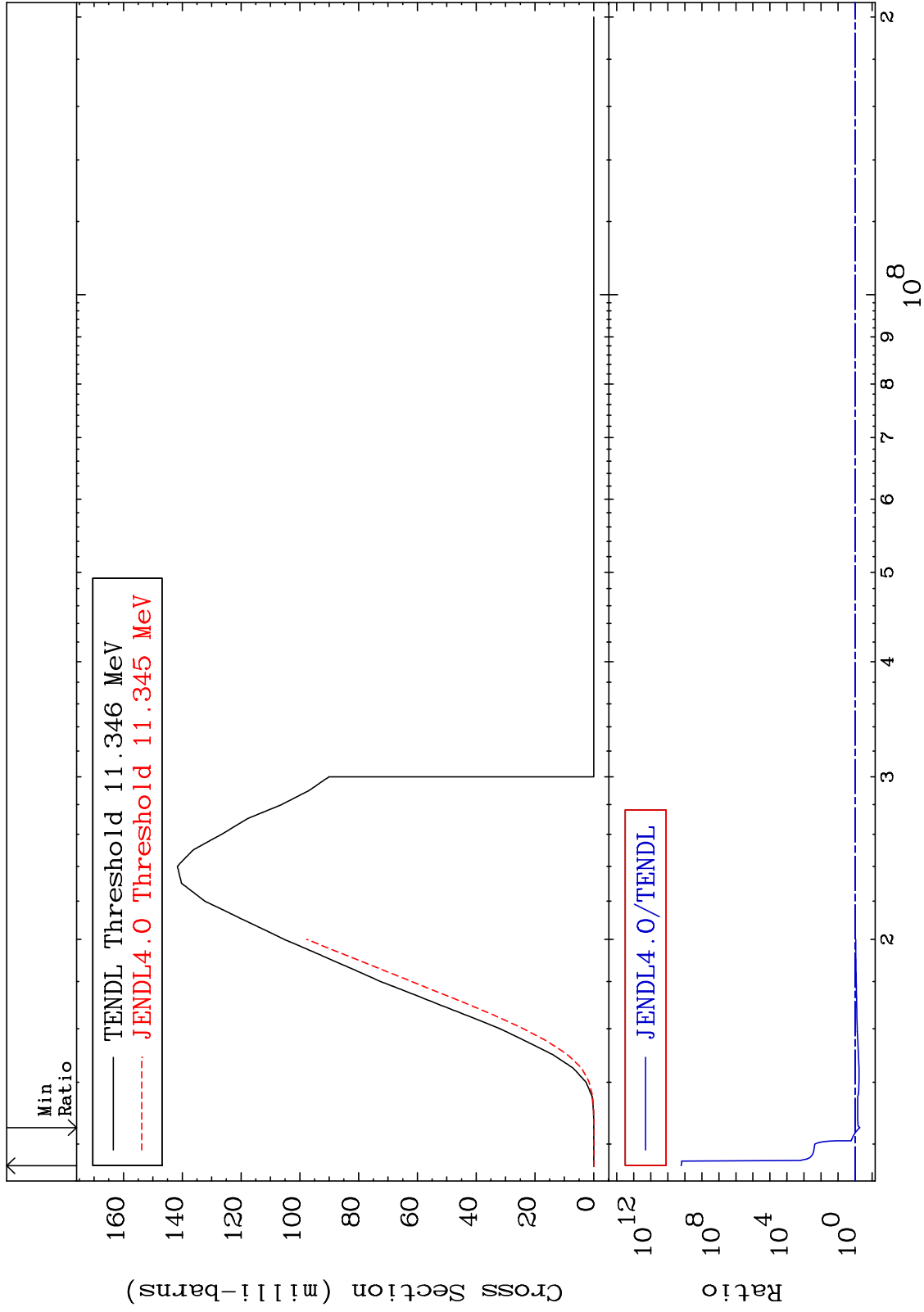
Incident Energy (eV)

24-Cr-53

MAT 2434

(n,n') p
Cross Section

24-Cr-53
-48.15 To 9999. %



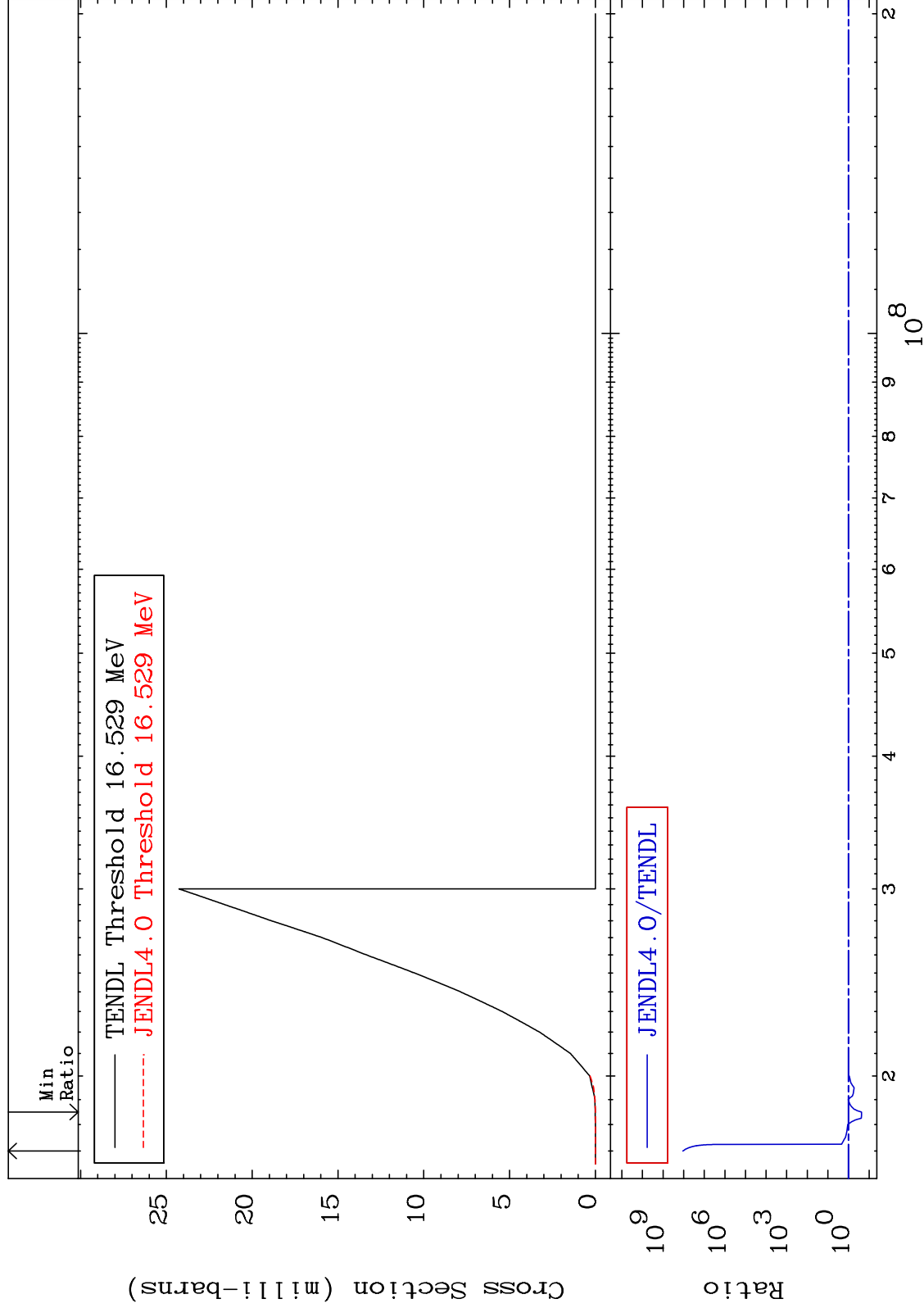
MAT 2434

(n,n') d

24-Cr-53

Cross Section

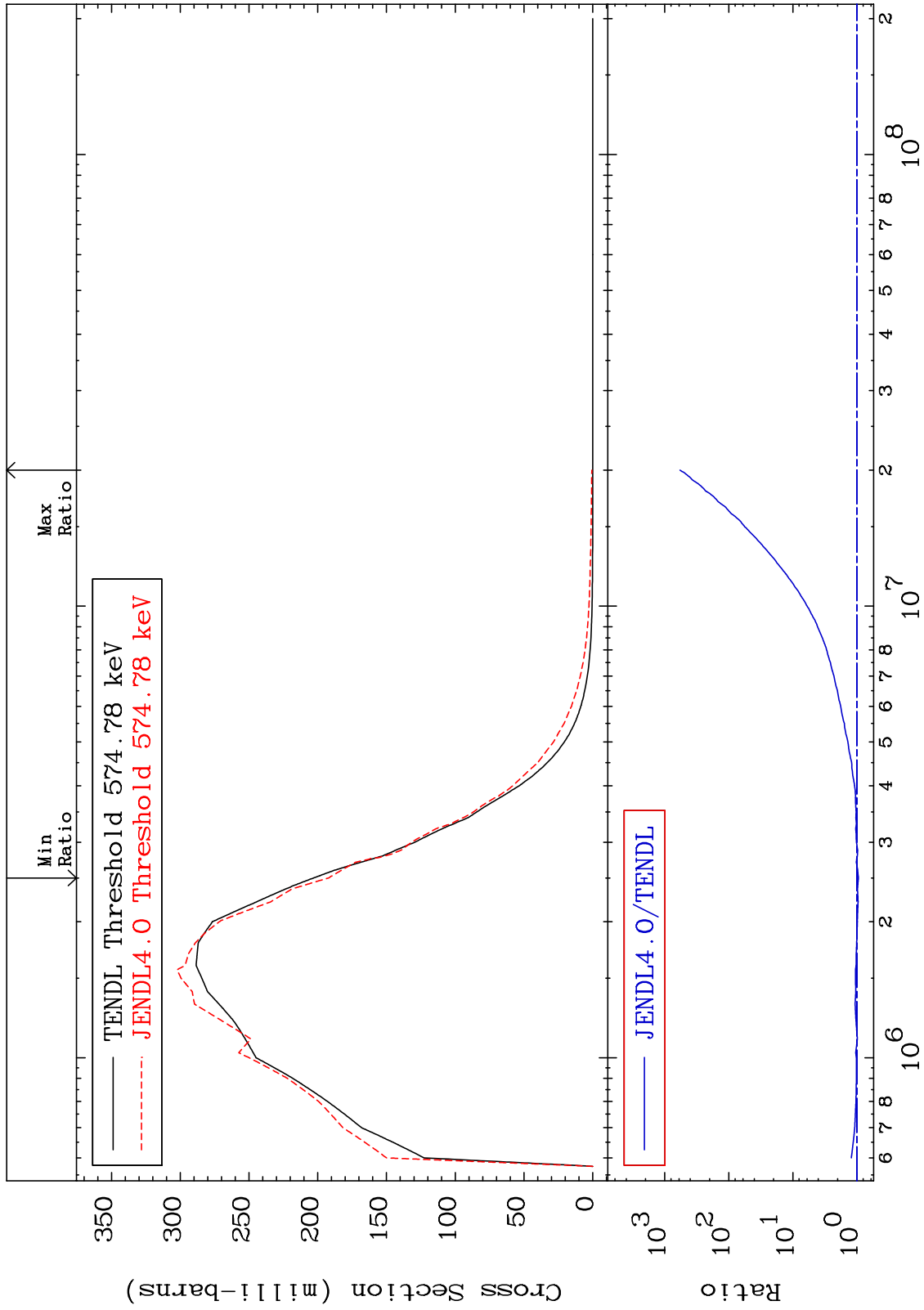
-76.86 To 9999. %



MAT 2434

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

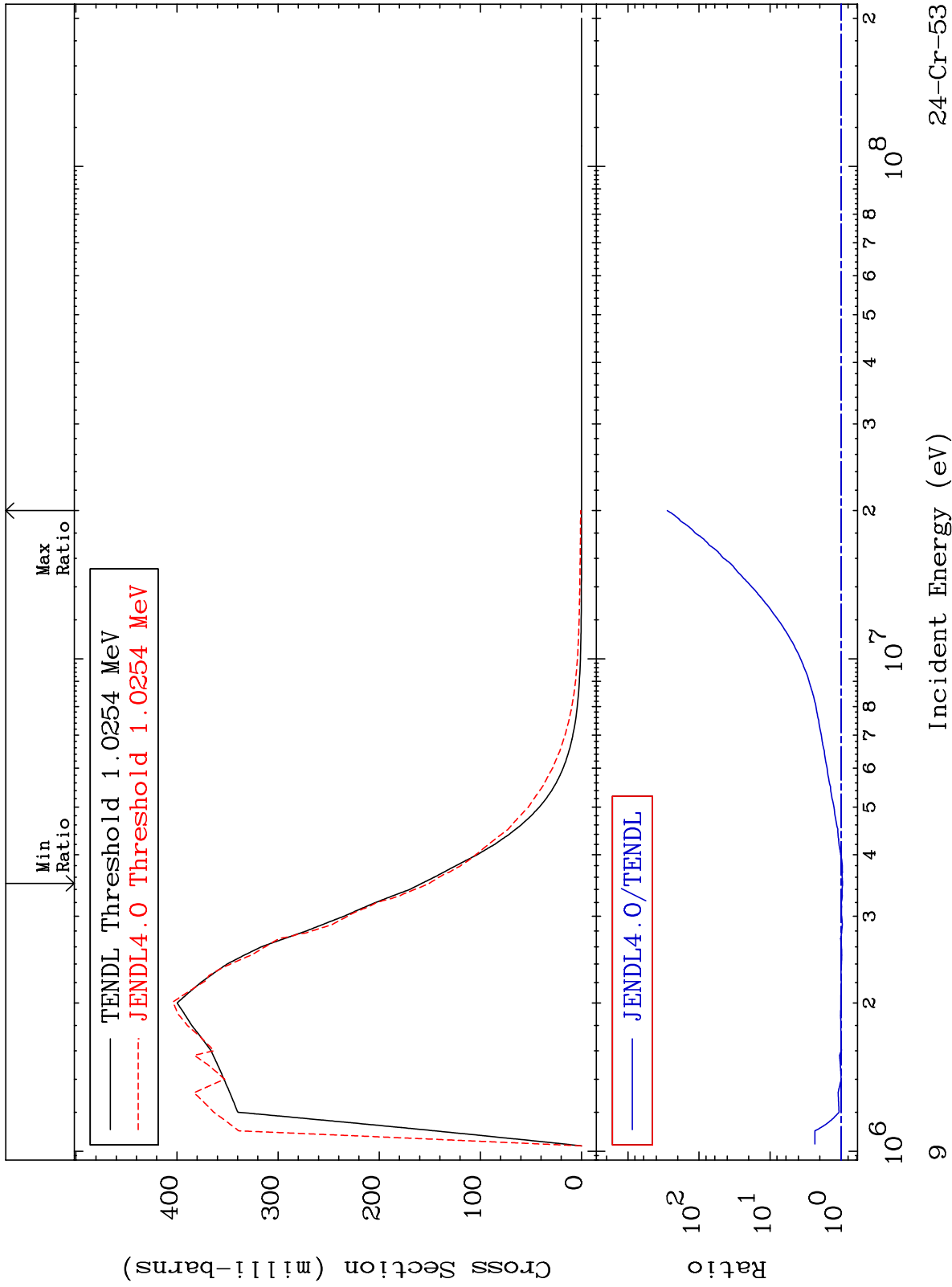
24-Cr-53
-5.340 To 9999. %



MAT 2434

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

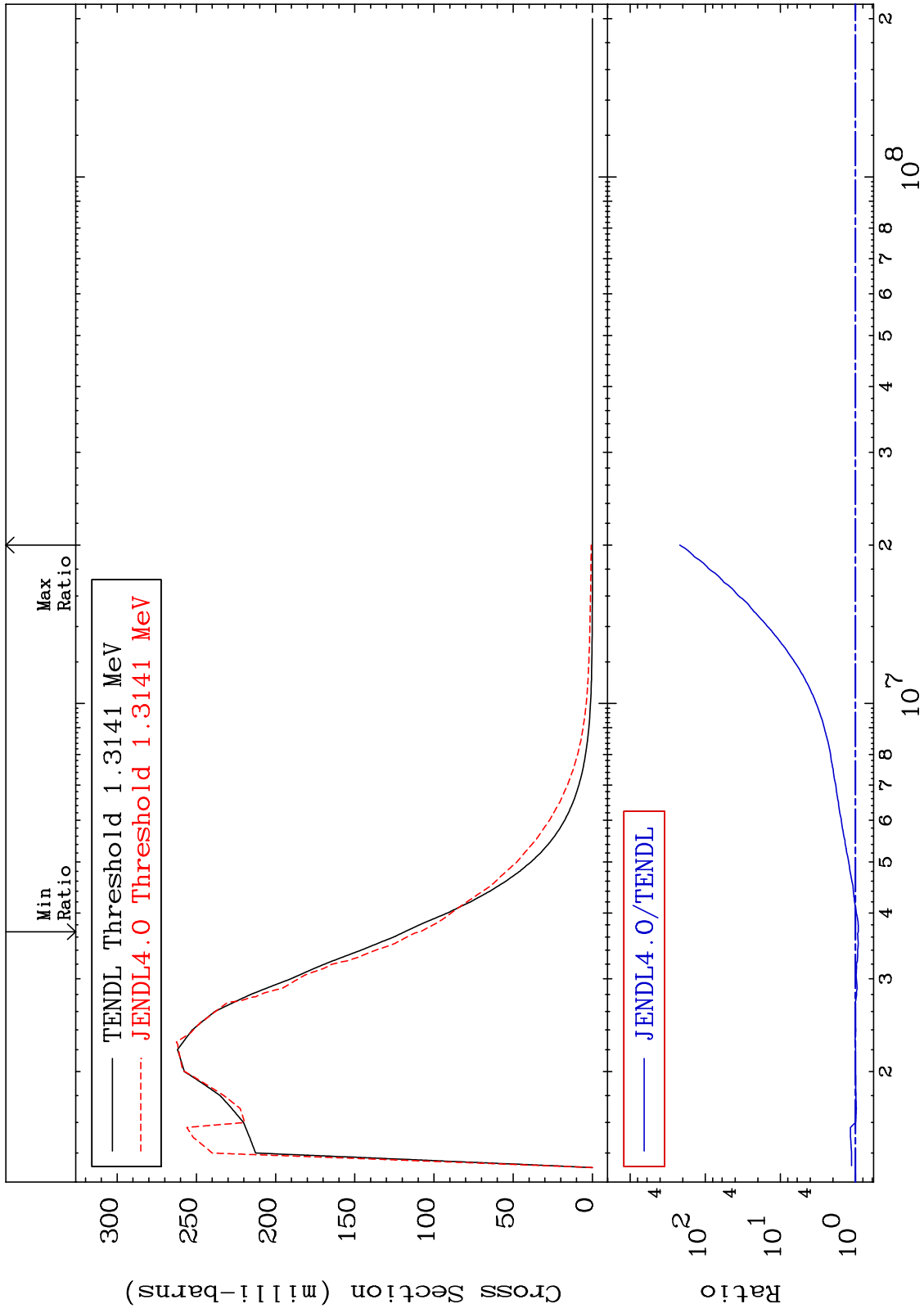
24-Cr-53
-4.549 To 9999. %



MAT 2434

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

24-Cr-53
-8.346 To 9999. %



10

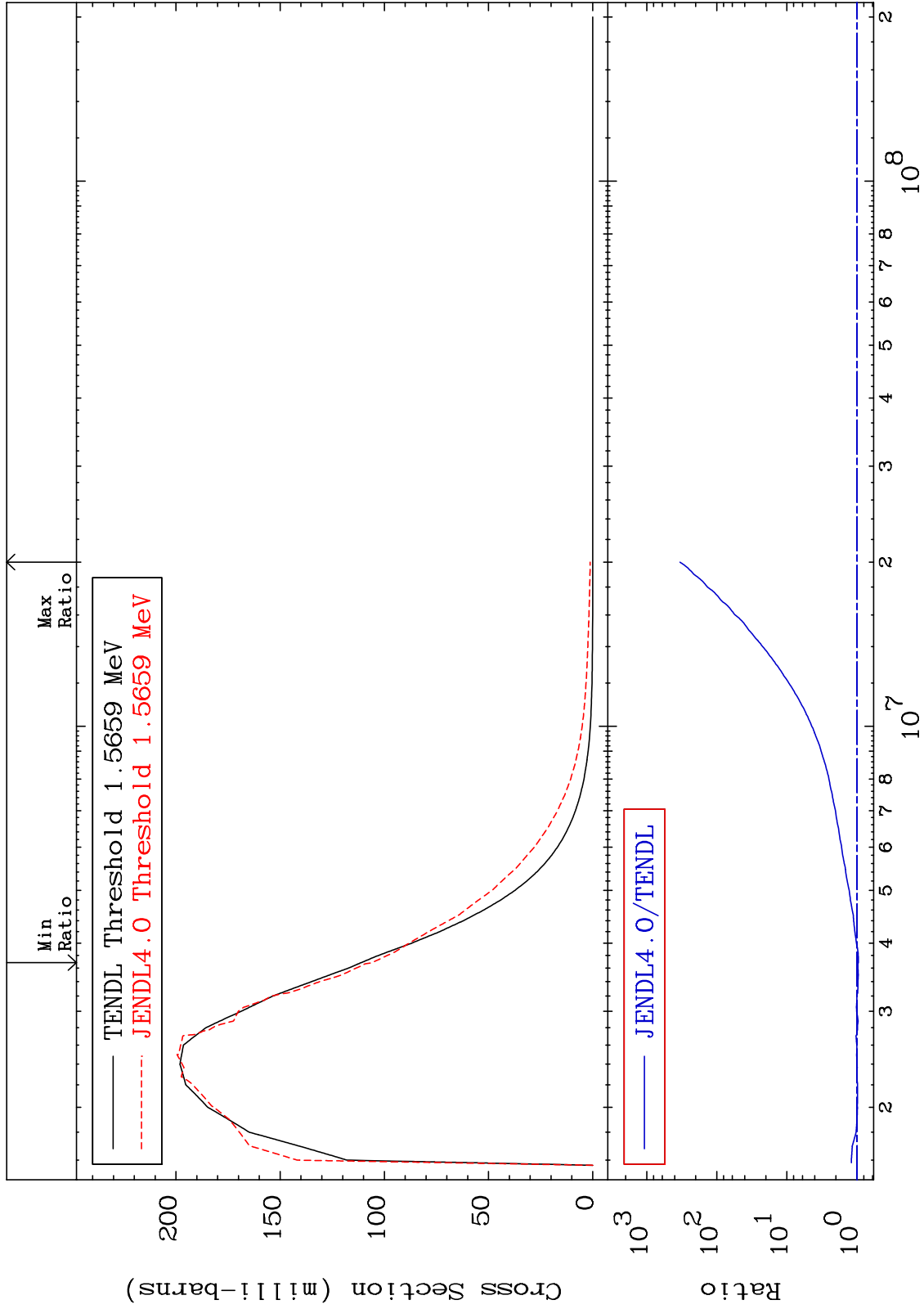
Incident Energy (eV)

24-Cr-53

MAT 2434

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

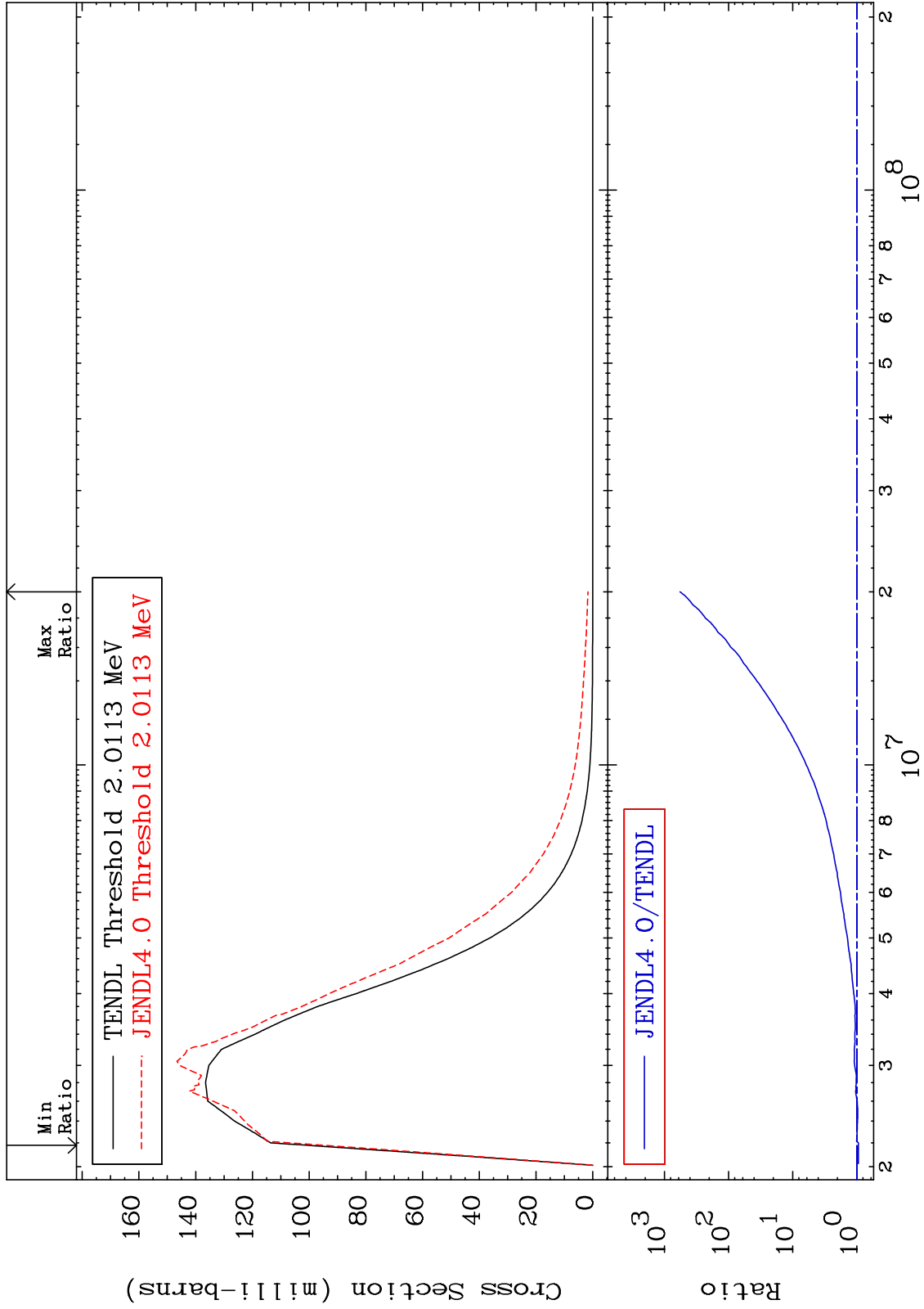
24-Cr-53
-4.686 To 9999. %



MAT 2434

MT= 55 (n,n') Level
Cross Section

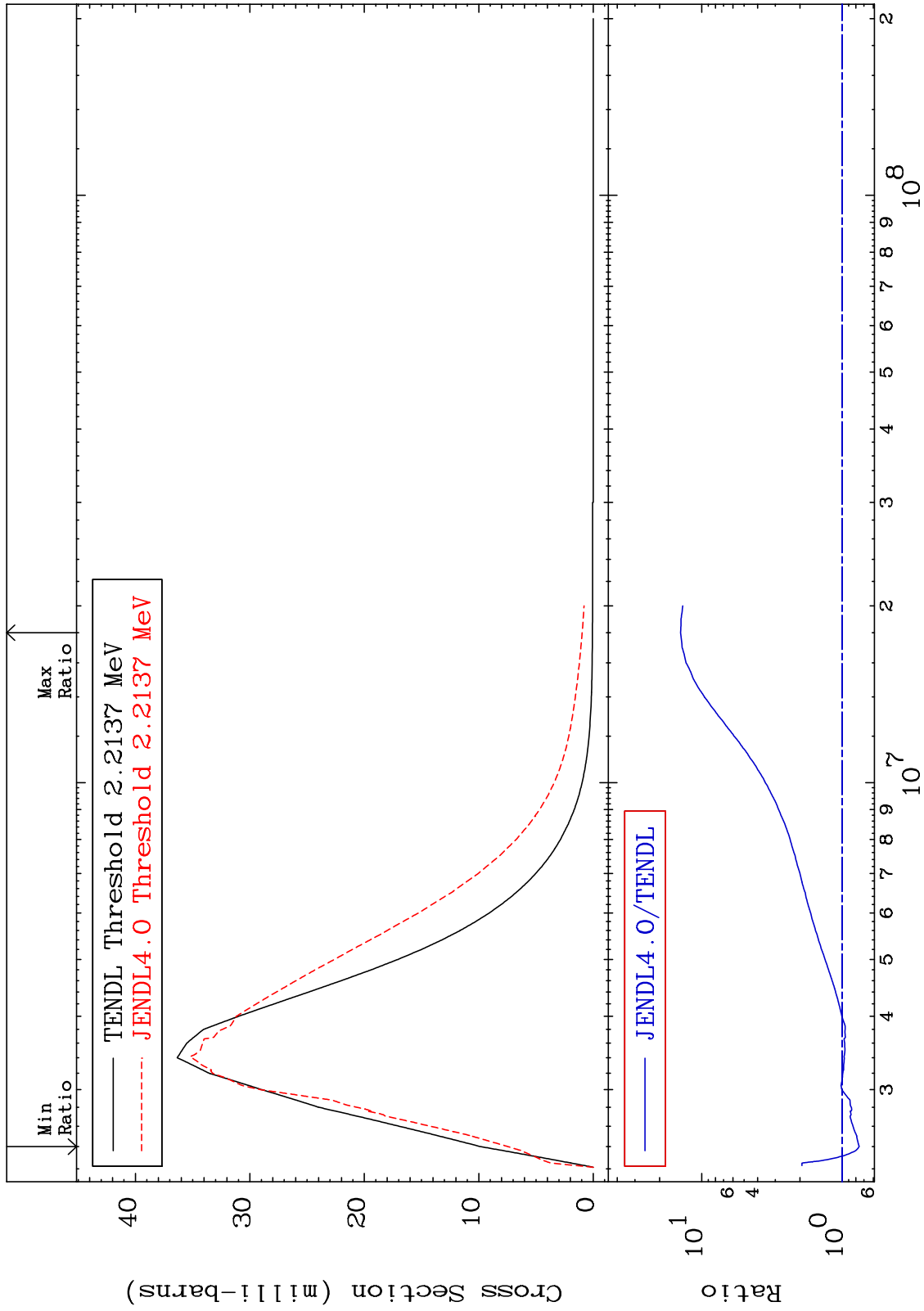
24-Cr-53
-5.811 To 9999. %



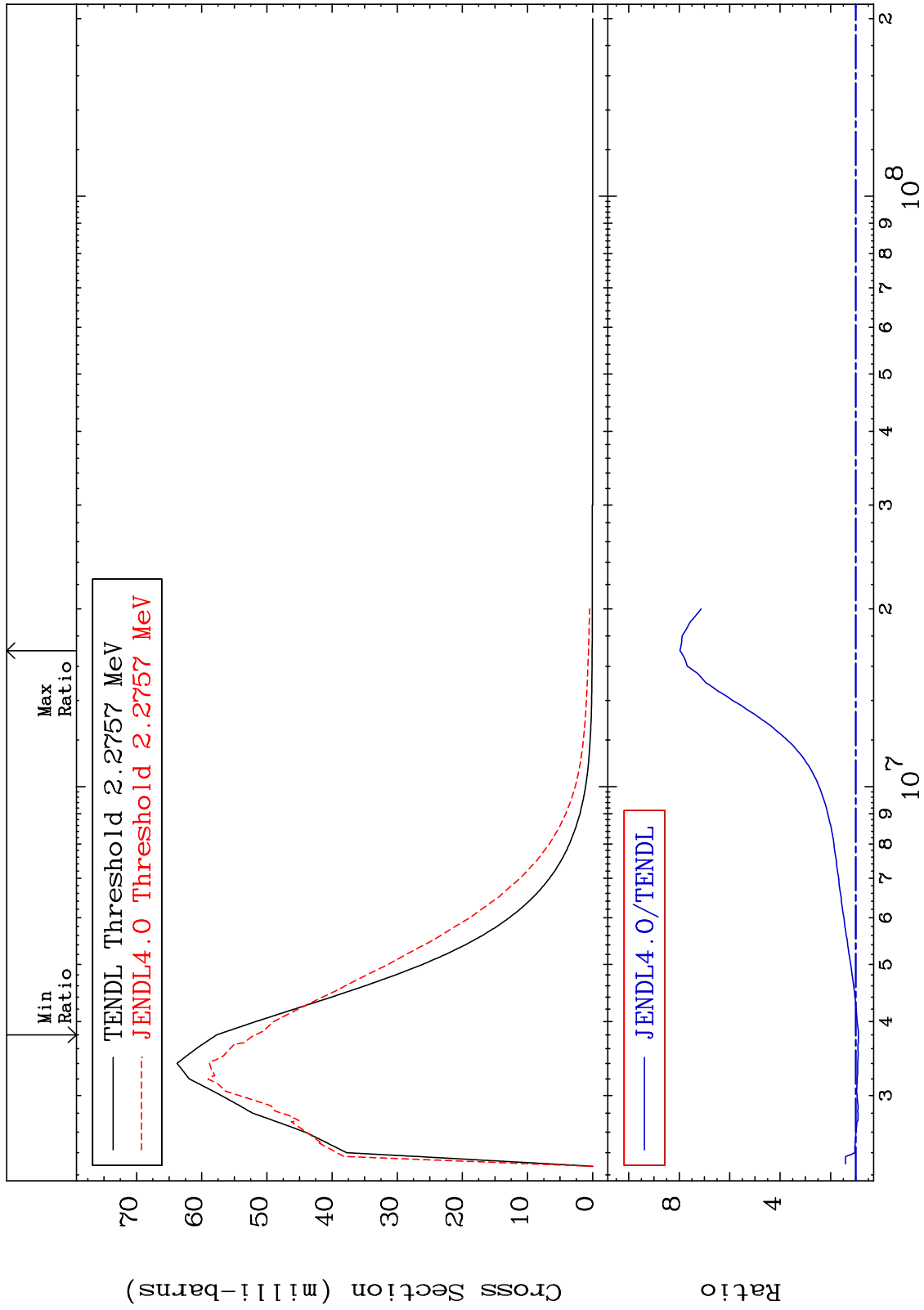
MAT 2434

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

24-Cr-53
-24.30 To 1316. %



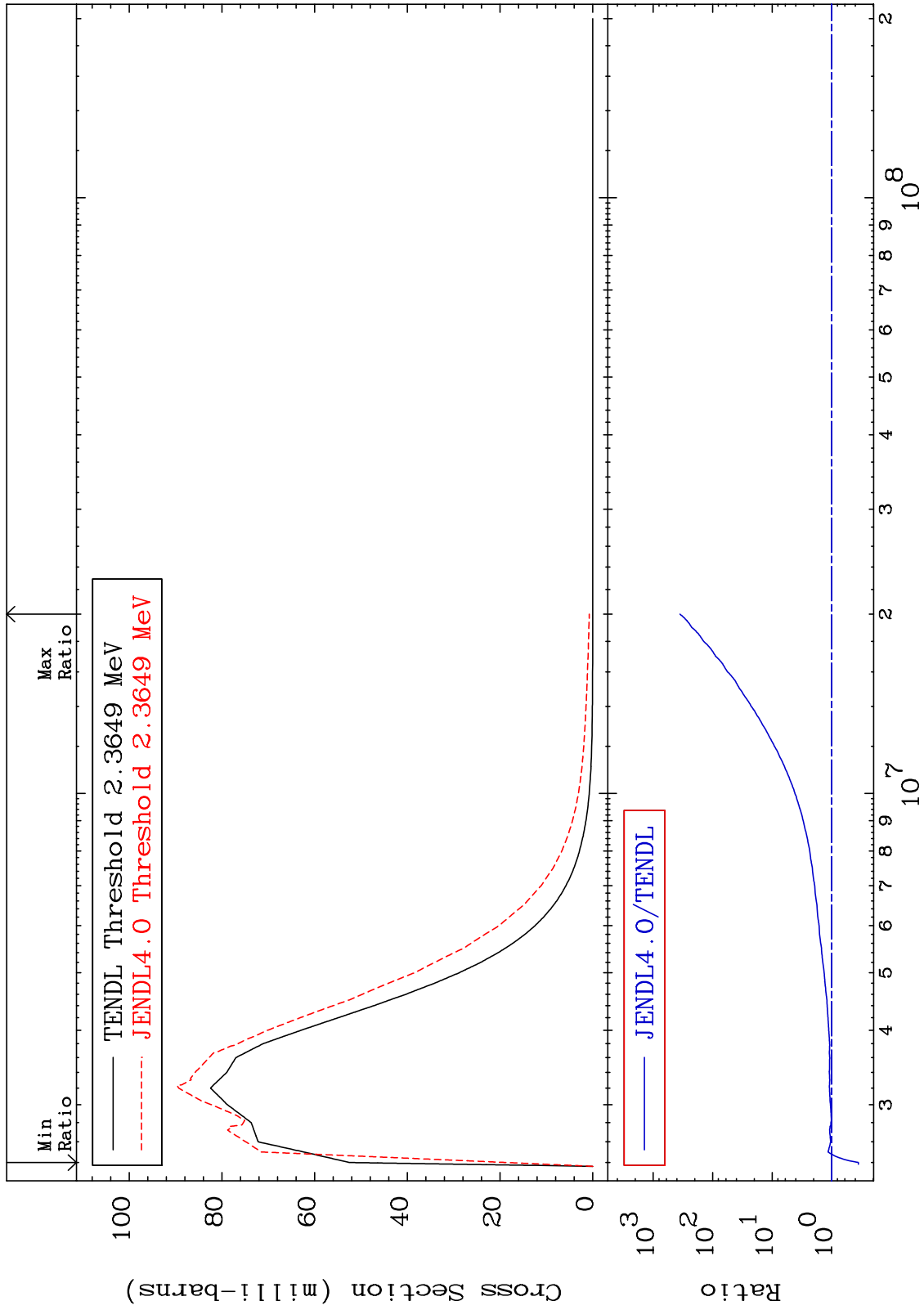
MAT 2434 MT= 57 (n,n') Level Cross Section -10.26 To 696.9 % 24-Cr-53



MAT 2434

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

24-Cr-53
-64.63 To 9999. %



15

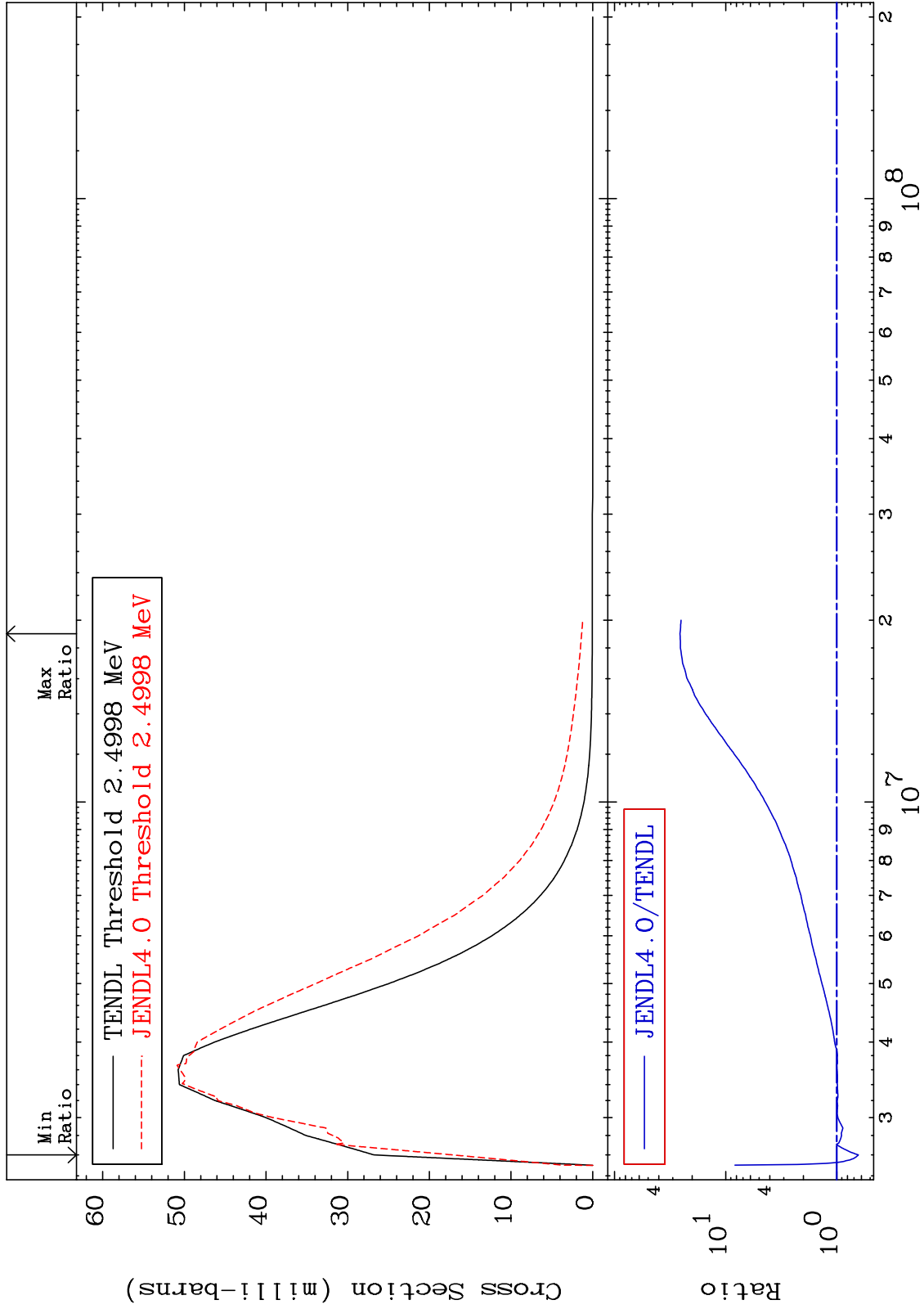
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53
-36.16 To 2477. %



16

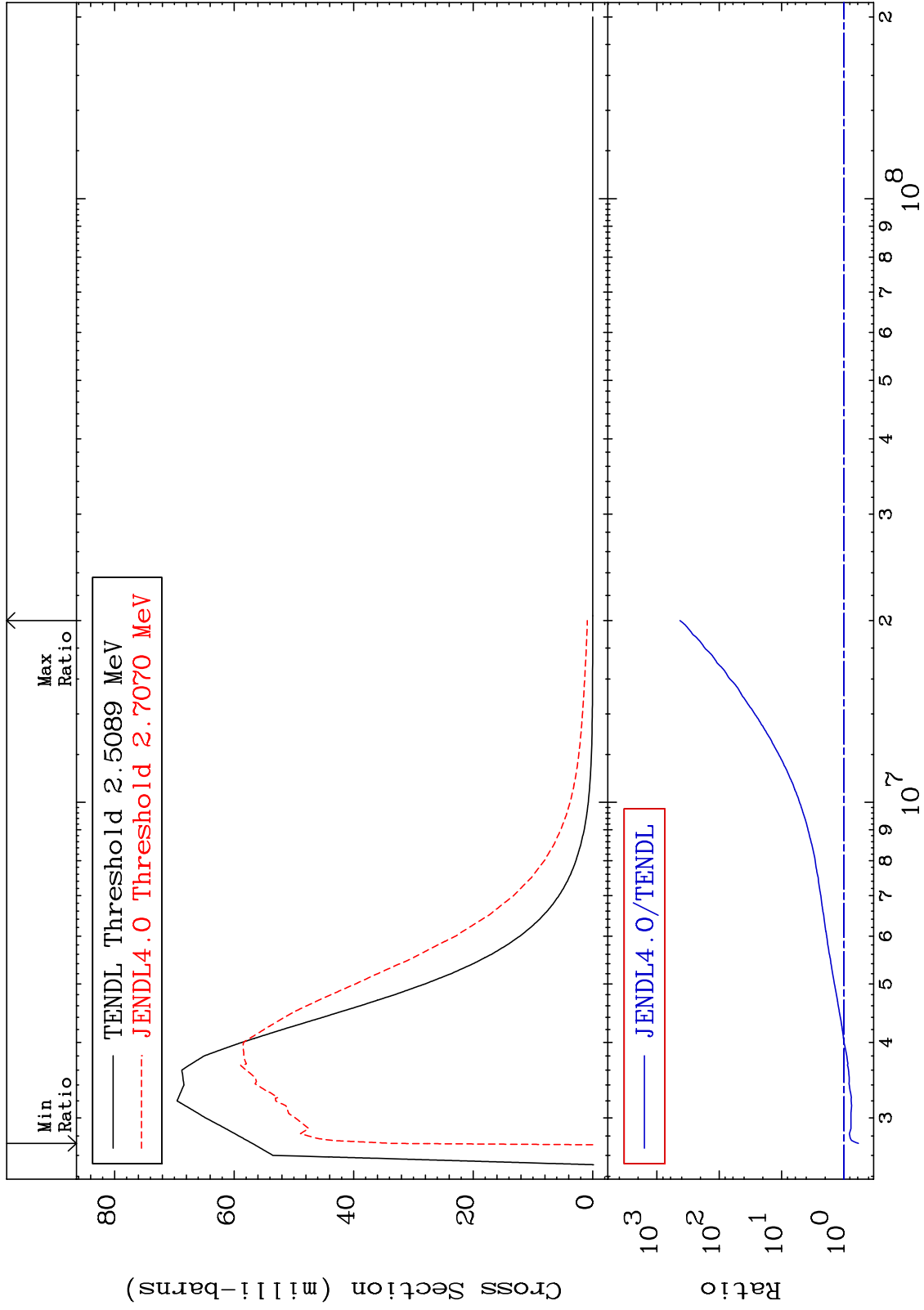
Incident Energy (eV)

24-Cr-53

MAT 2434

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

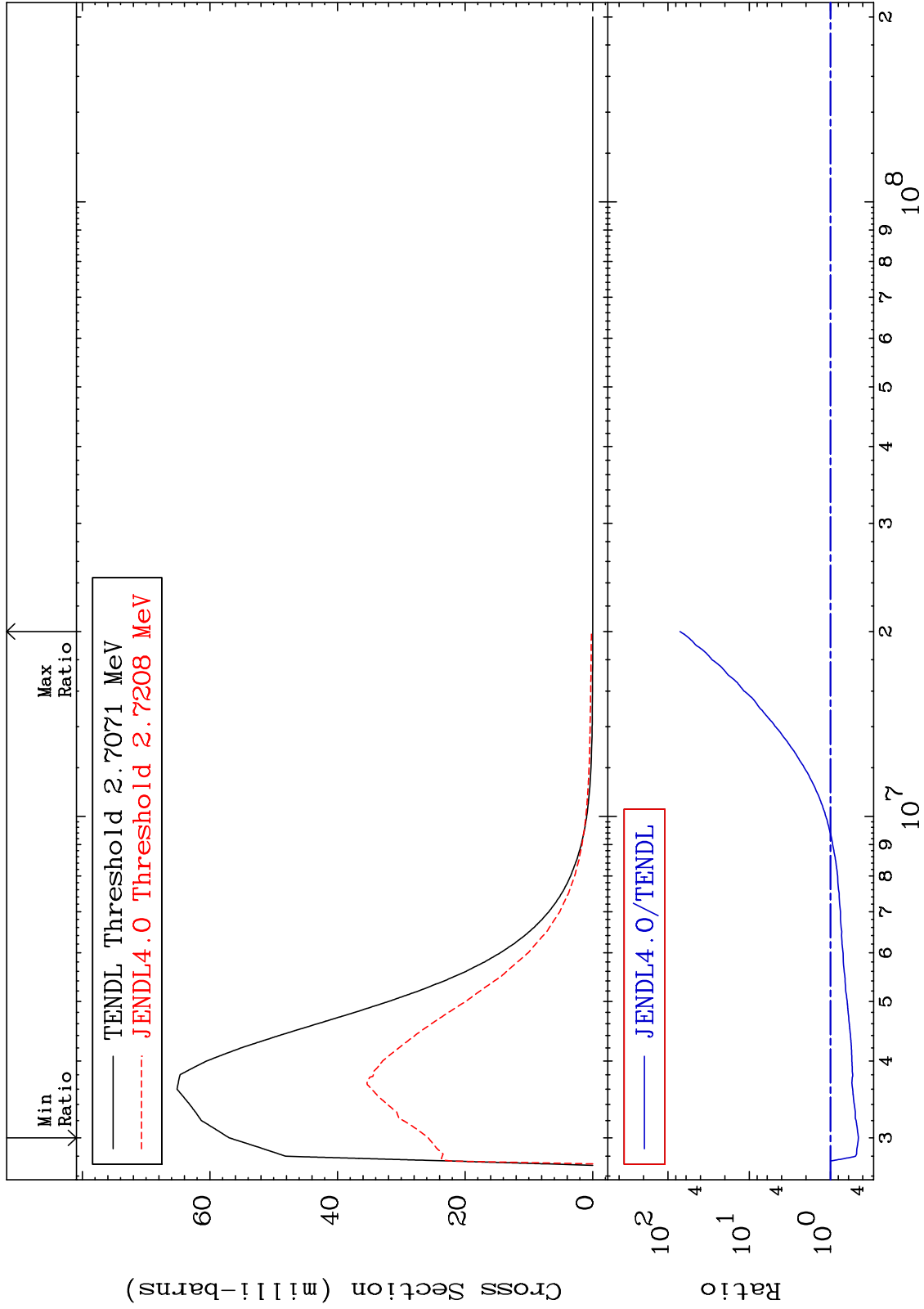
24-Cr-53
-41.50 To 9999. %



MAT 2434

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

24-Cr-53
-54.75 To 7021. %



18

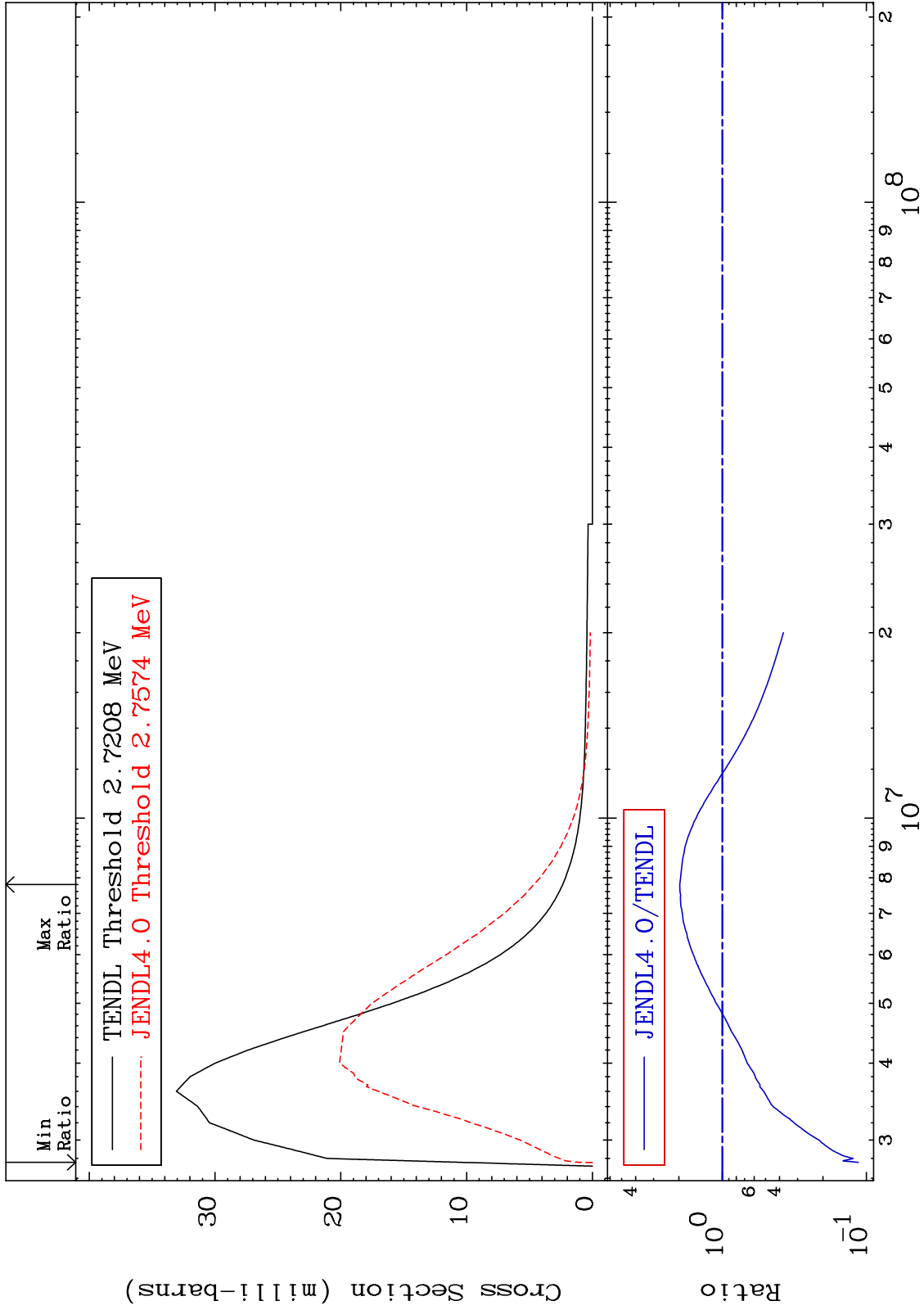
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53
-88.64 To 97.16 %



19

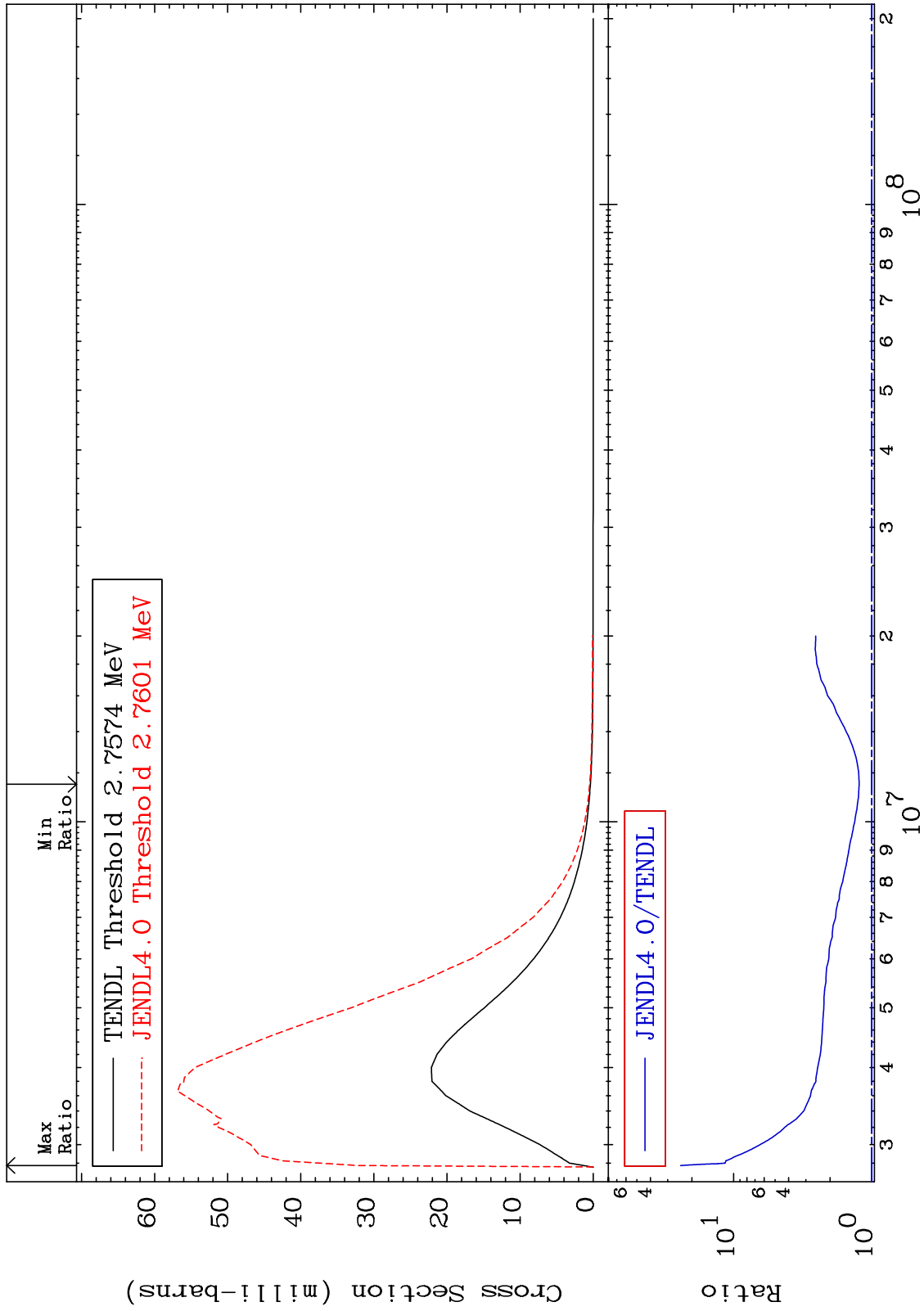
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53
23.38 To 2315. %



20

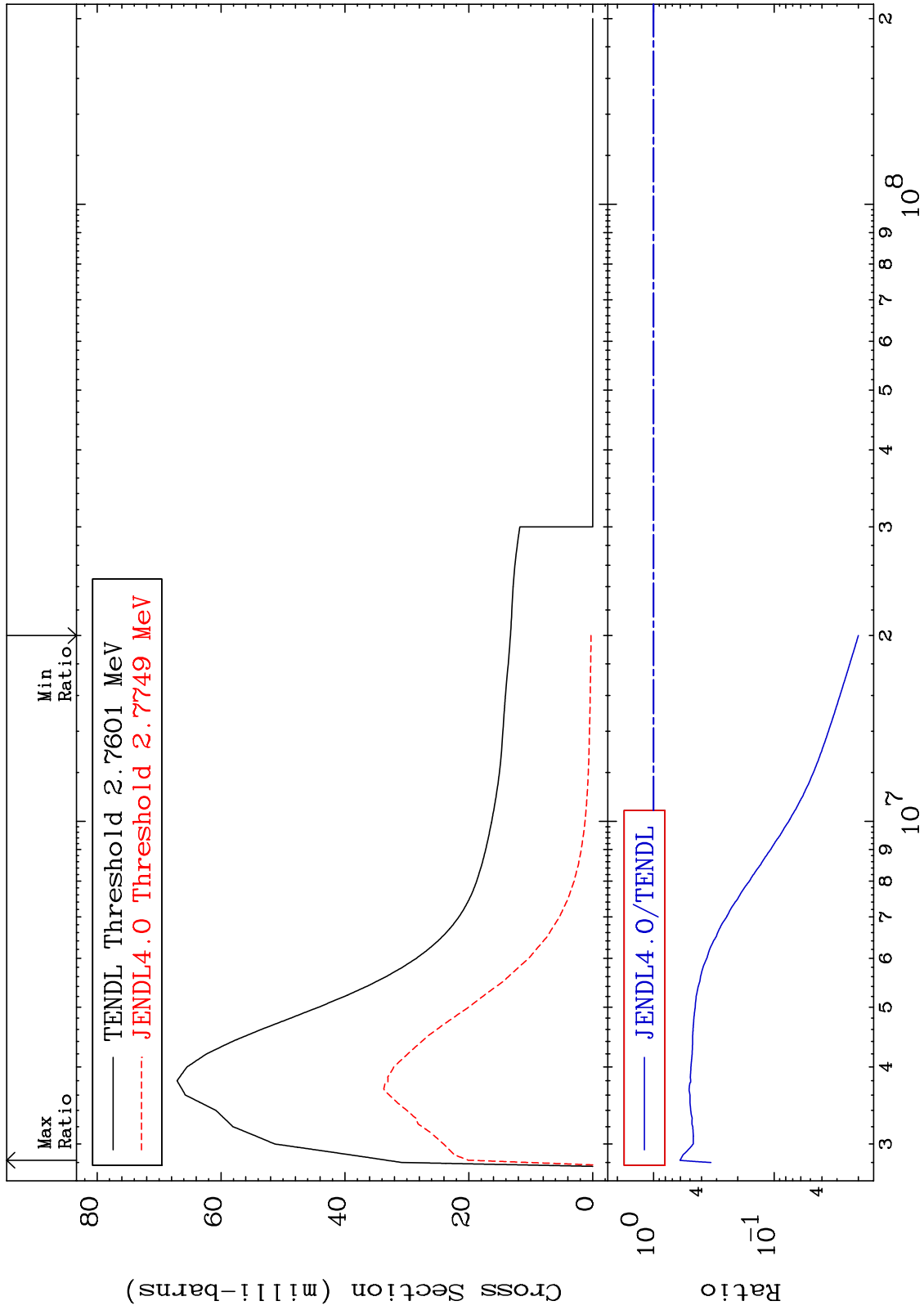
24-Cr-53

24-Cr-53

MAT 2434

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

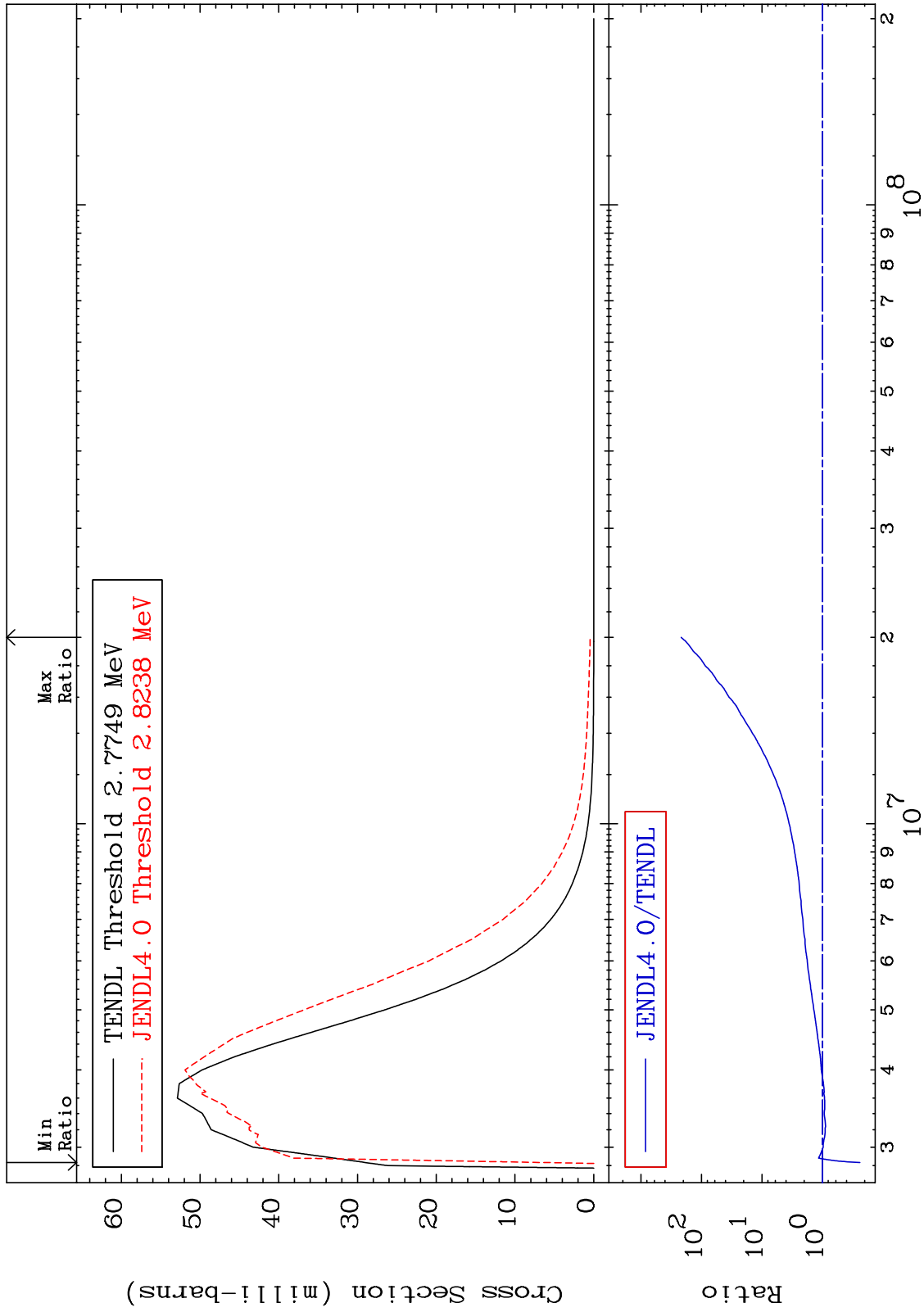
24-Cr-53
-98.00 To -39.61%



MAT 2434

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

24-Cr-53
-76.03 To 9999. %



22

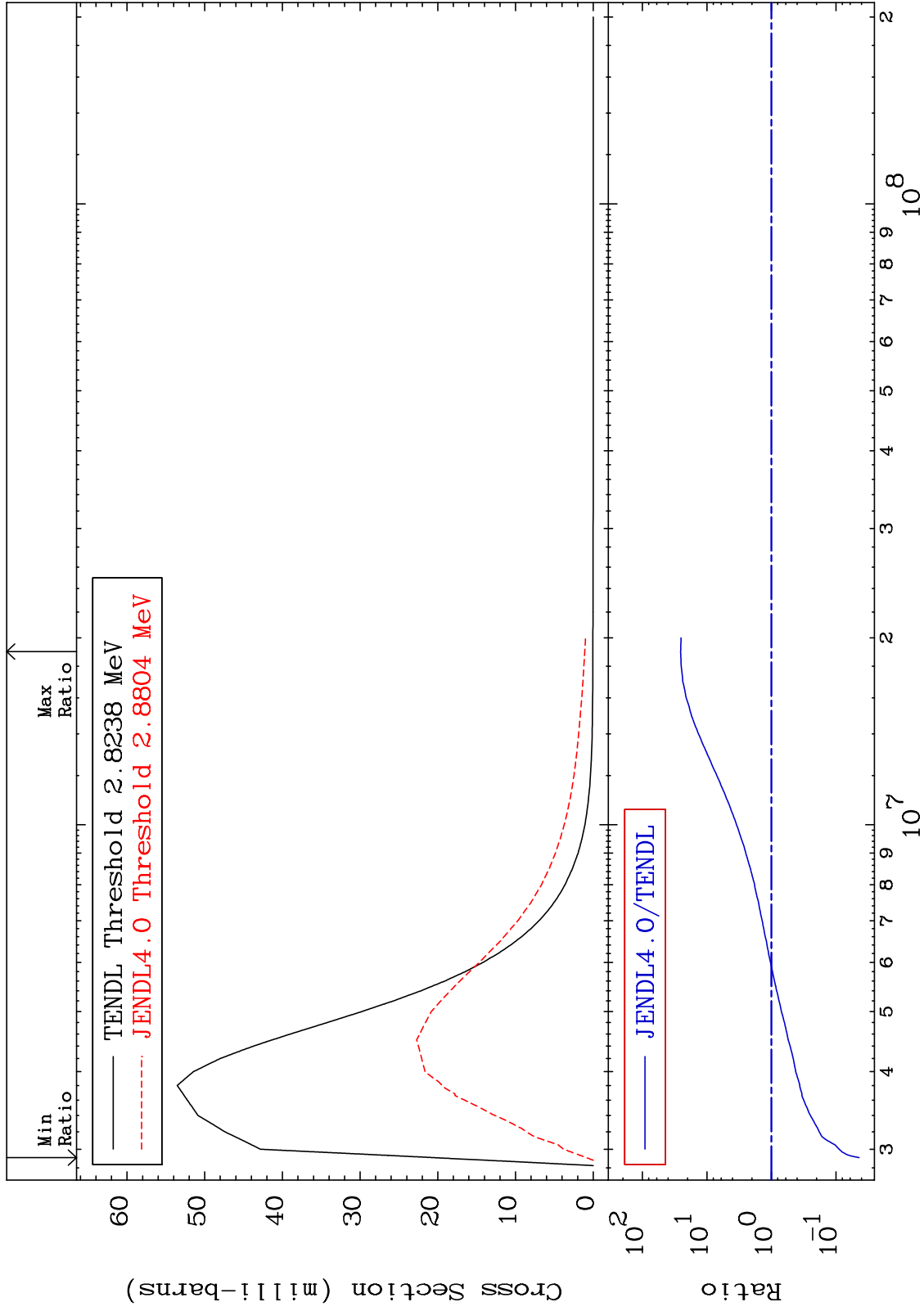
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53
-95.63 To 2459. %



23

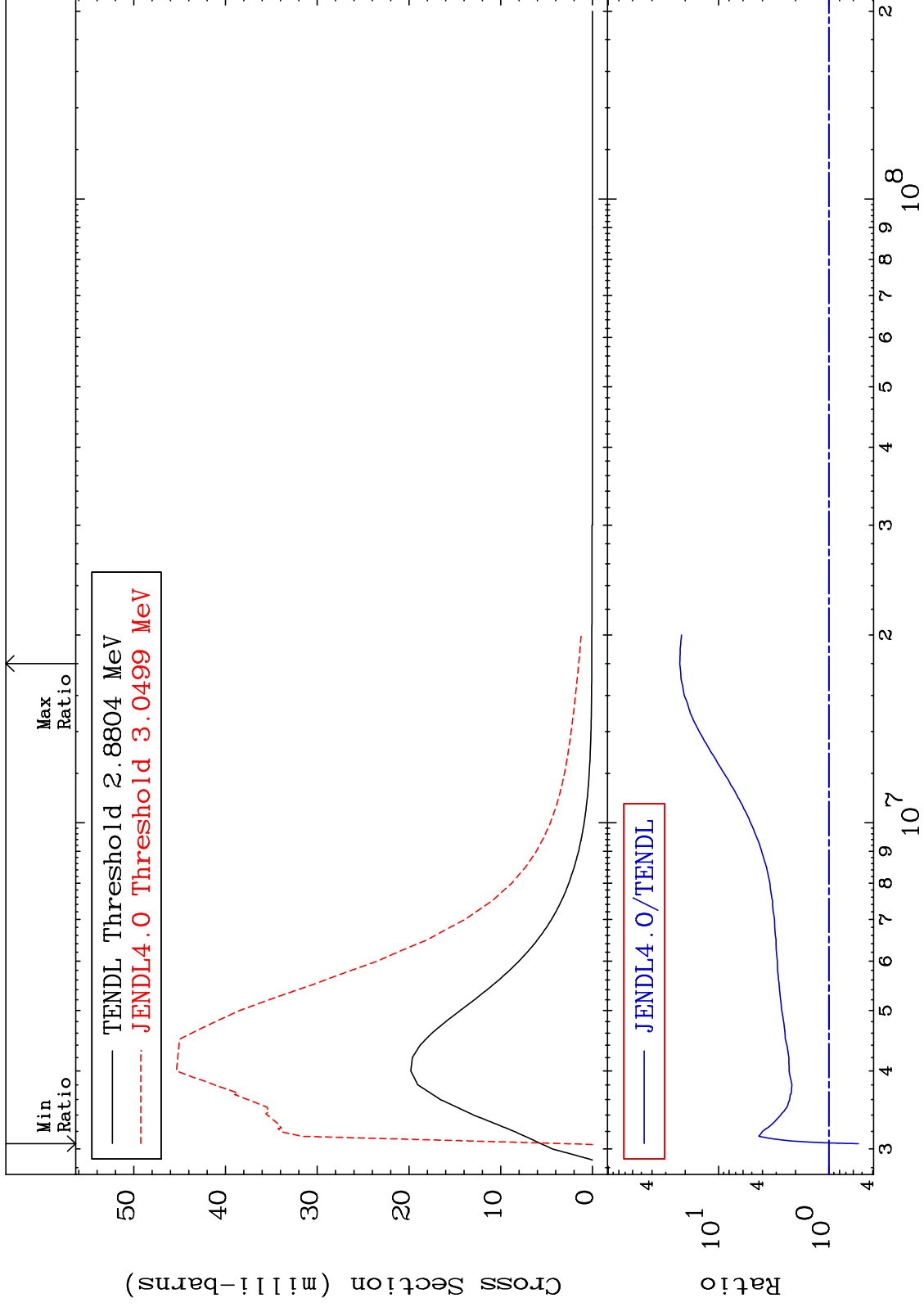
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53
-45.97 To 2141. %



24

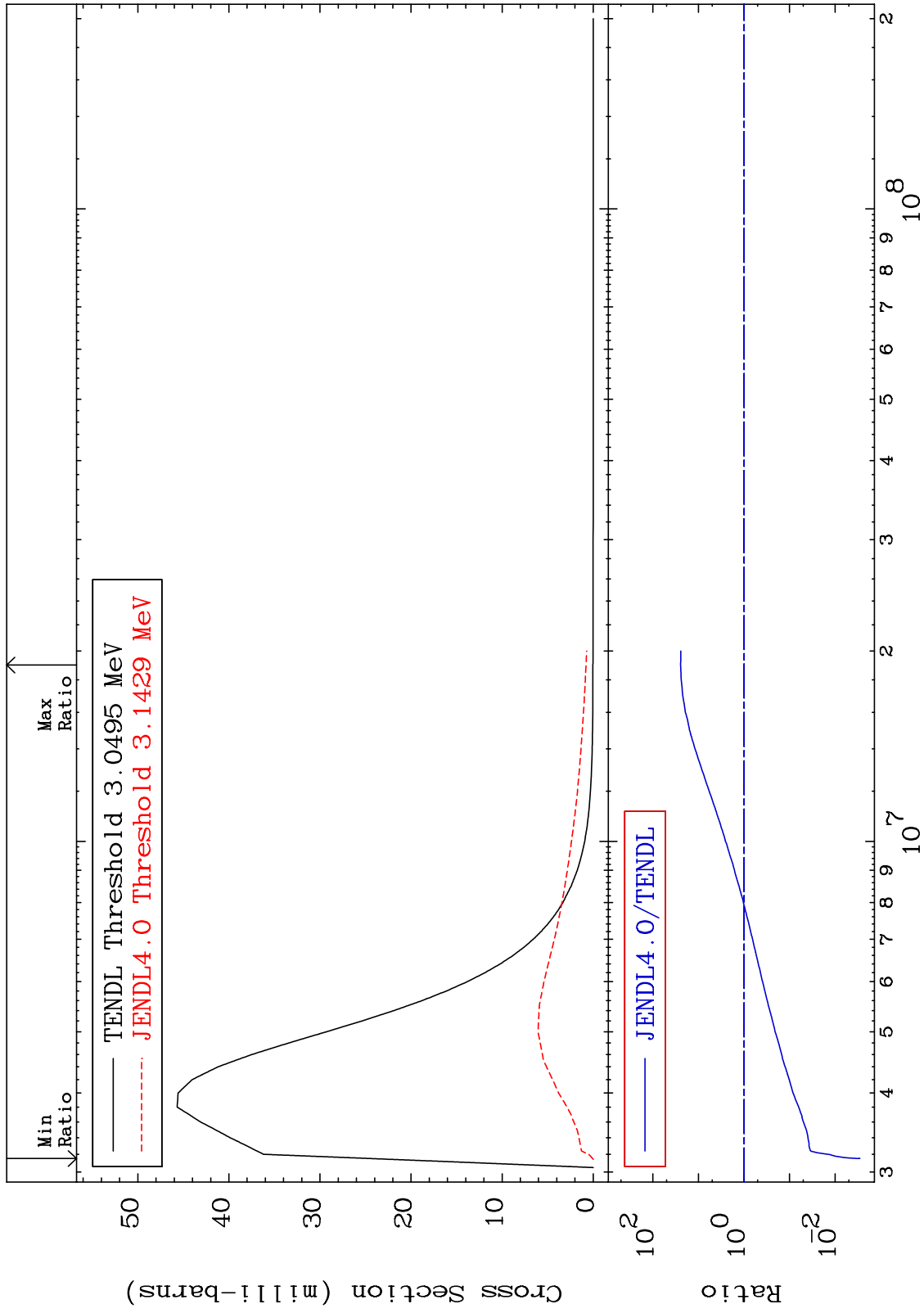
Incident Energy (eV)

24-Cr-53

MAT 2434

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

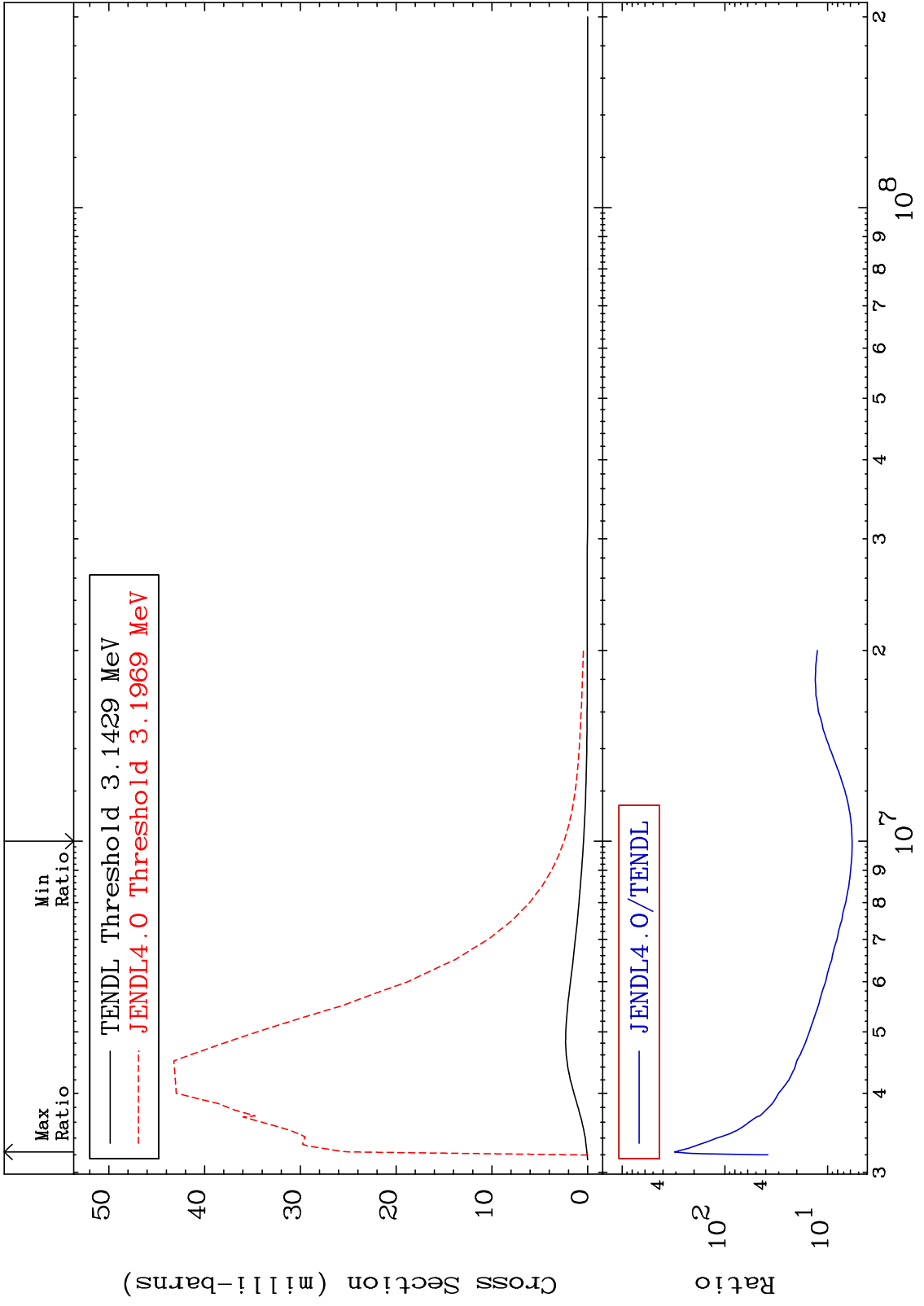
24-Cr-53
-99.70 To 2361. %



MAT 2434

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

24-Cr-53
477.3 To 9999. %



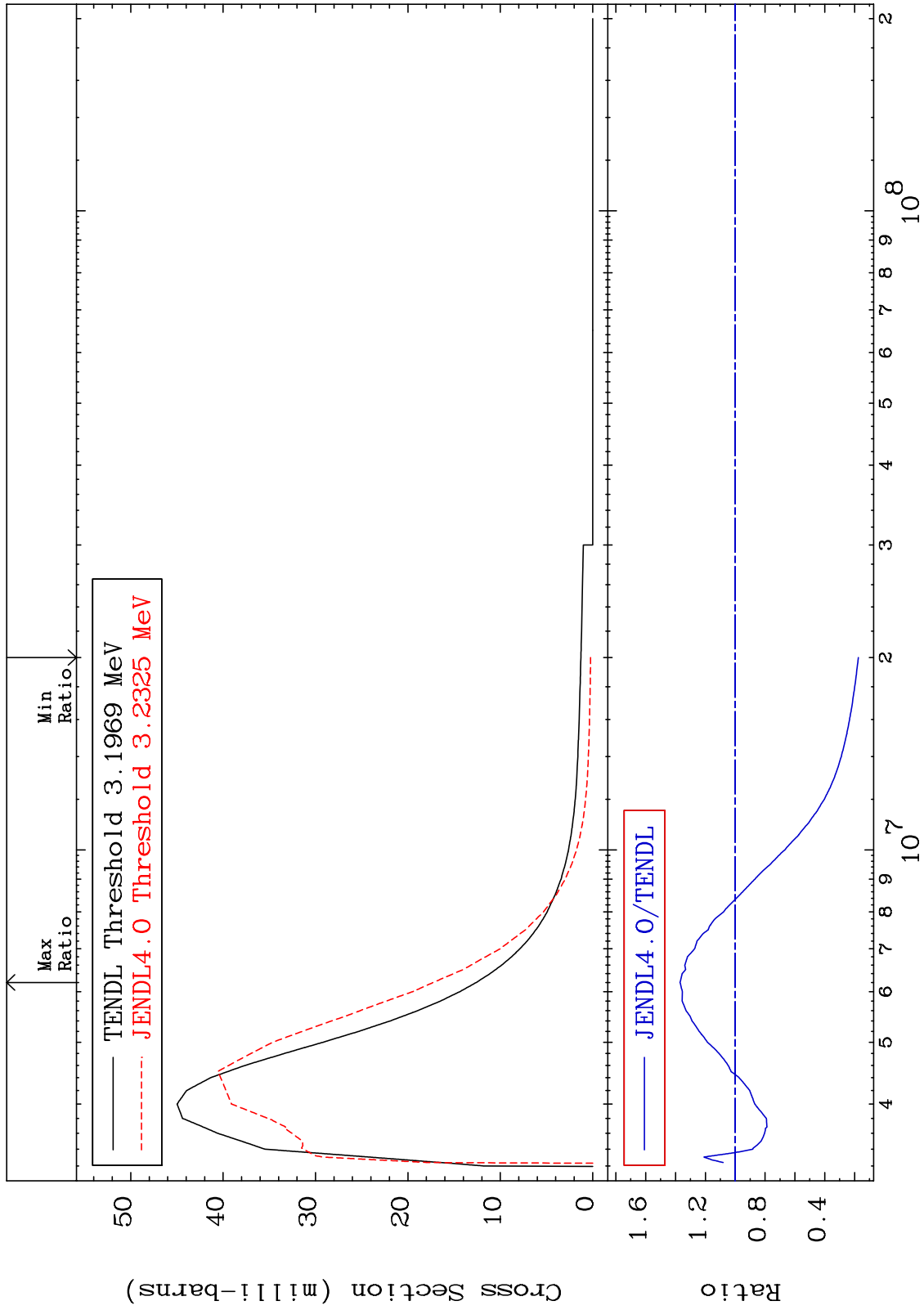
24-Cr-53

Incident Energy (eV)

MAT 2434

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

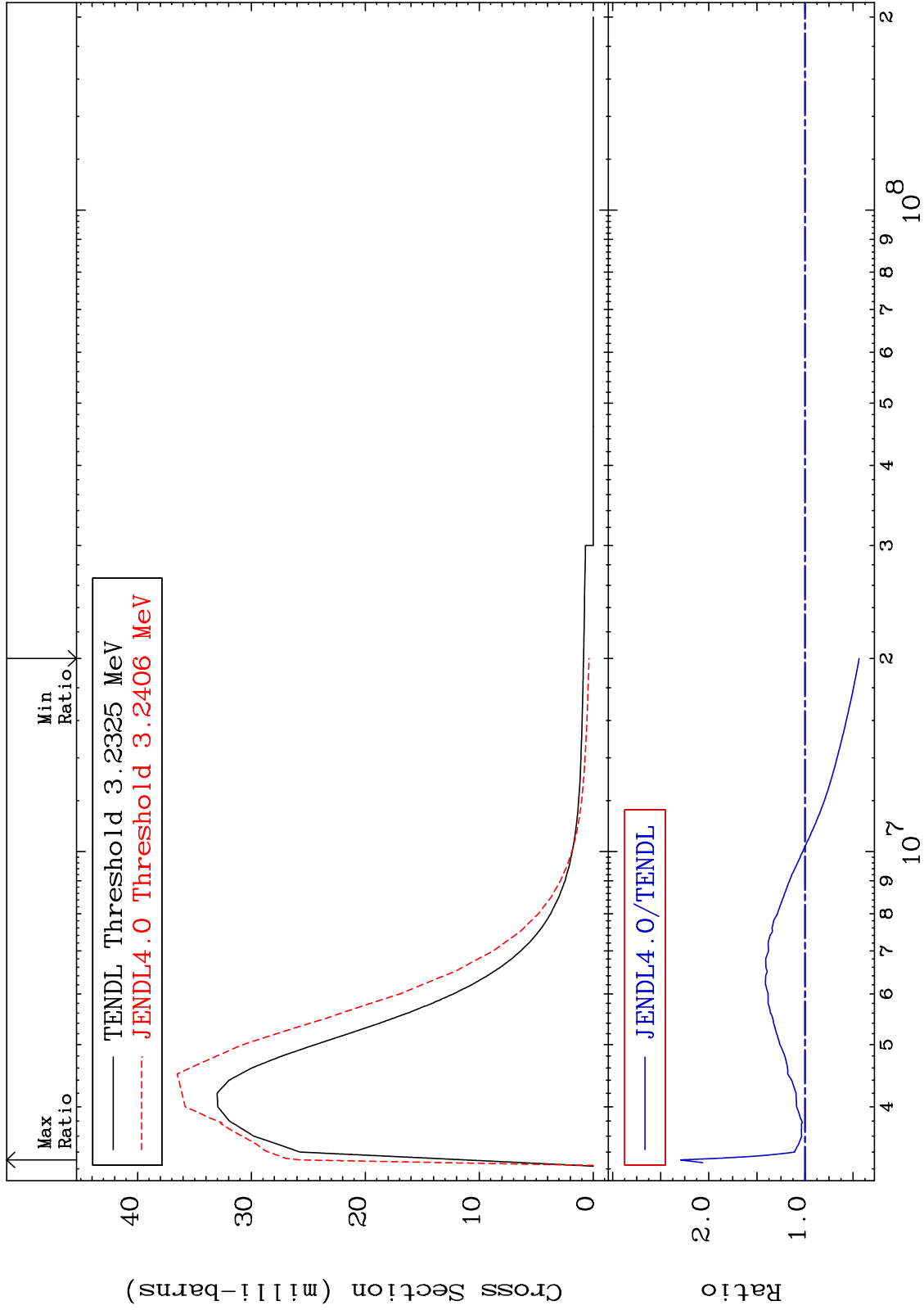
24-Cr-53
-82.56 To 36.99 %



MAT 2434

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

24-Cr-53
-56.38 To 129.3 %



28

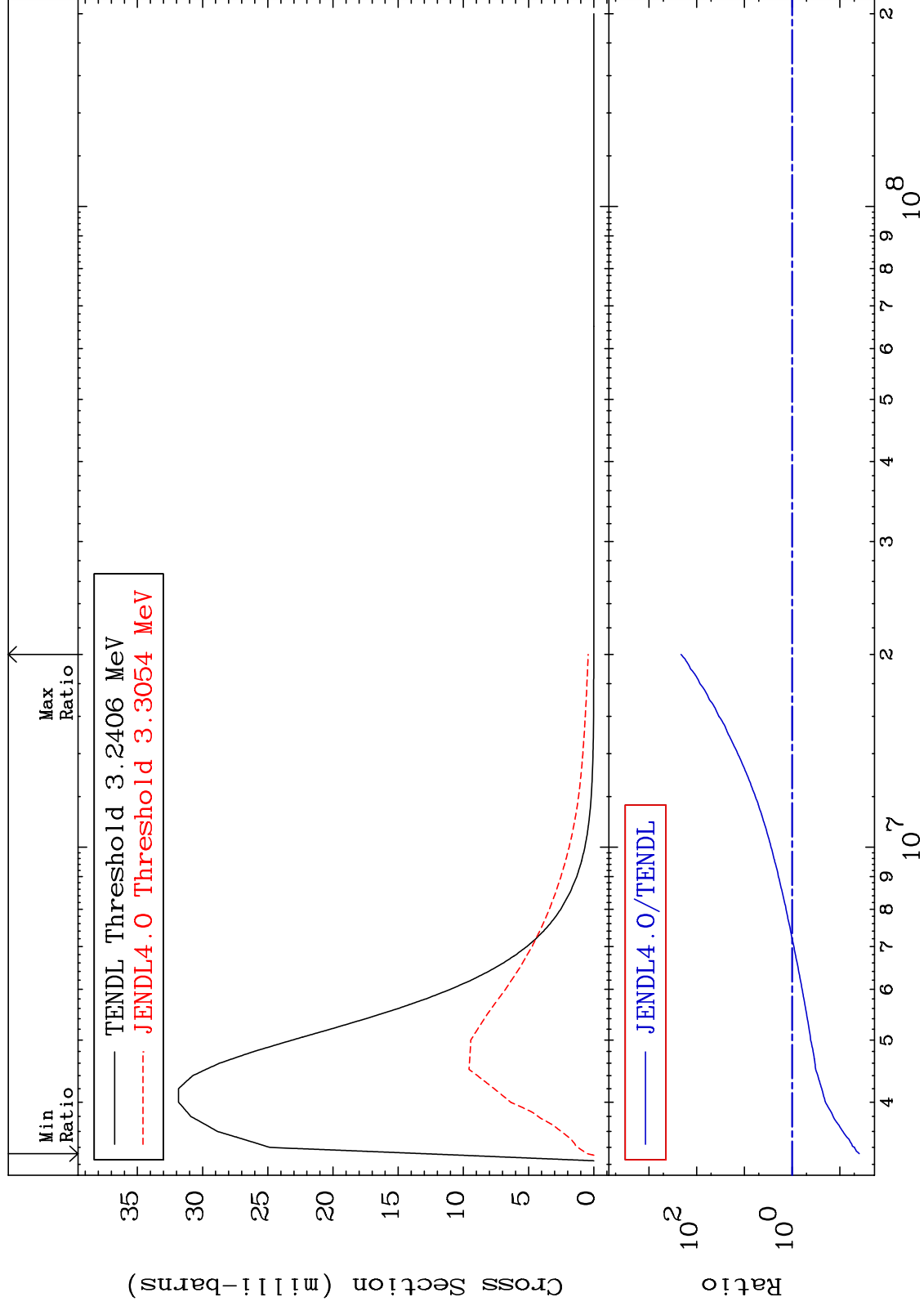
24-Cr-53

24-Cr-53

MAT 2434

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

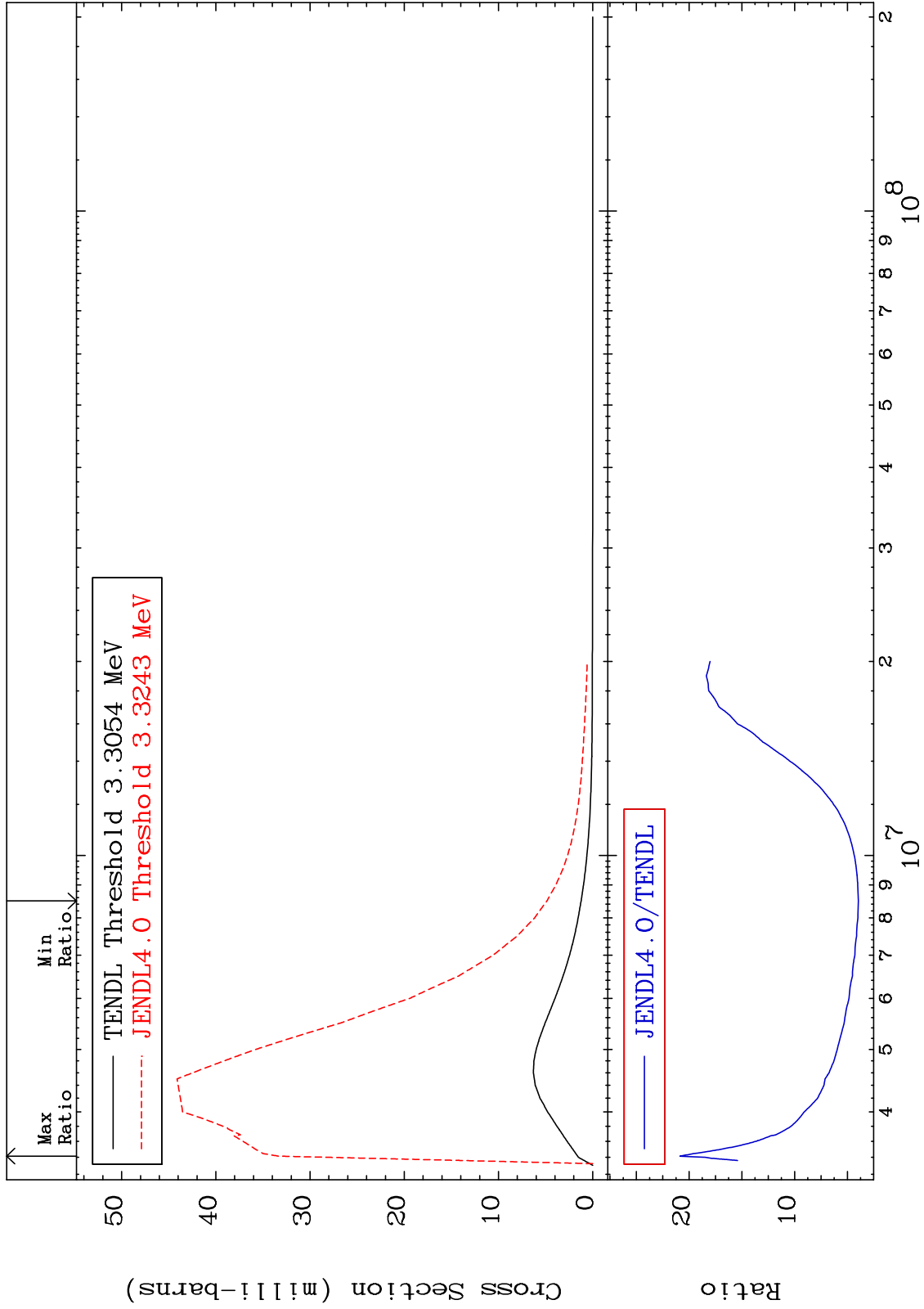
24-Cr-53
-96.08 To 9999. %



MAT 2434

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

24-Cr-53
295.5 To 1986. %



30

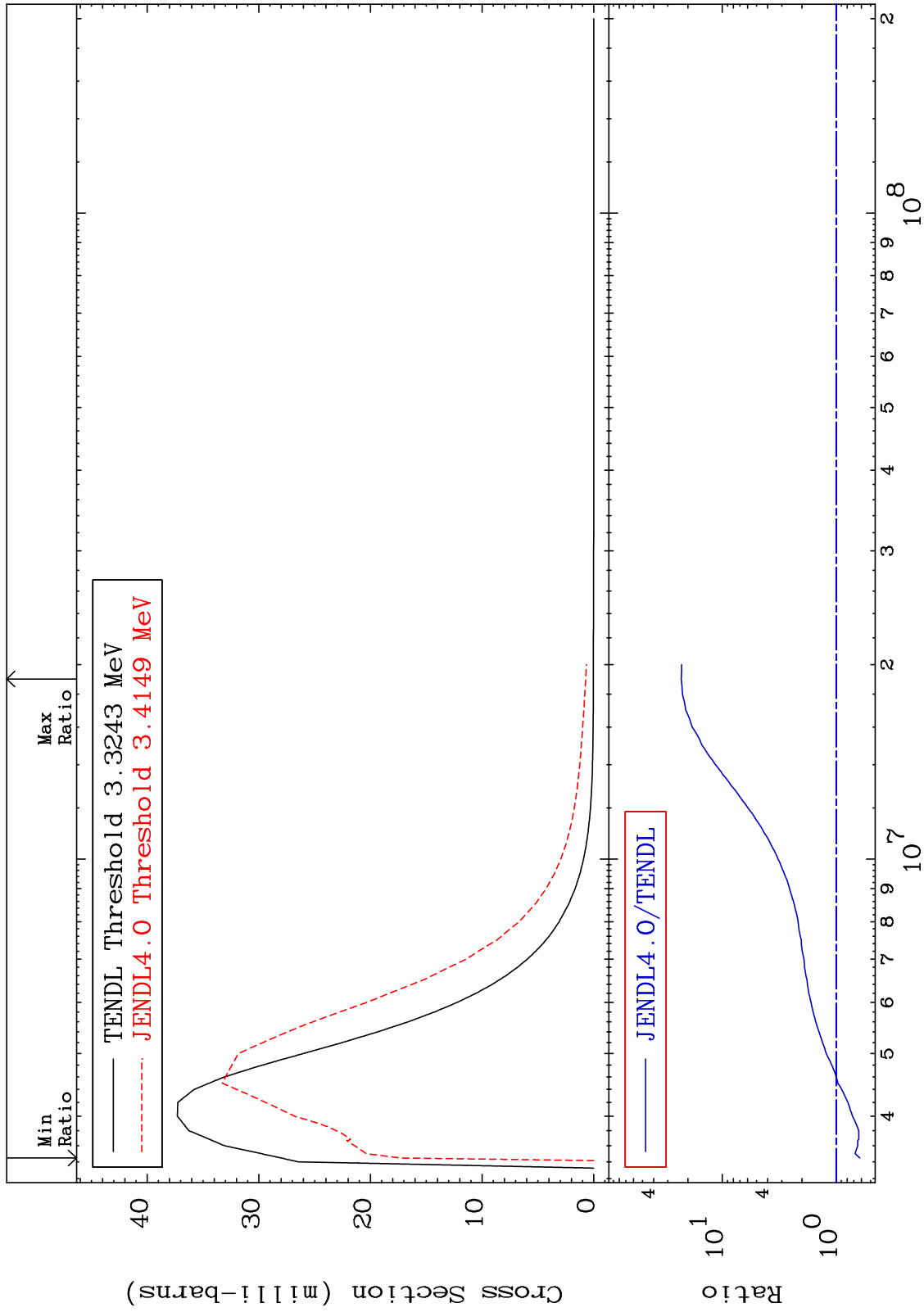
24-Cr-53

24-Cr-53

MAT 2434

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

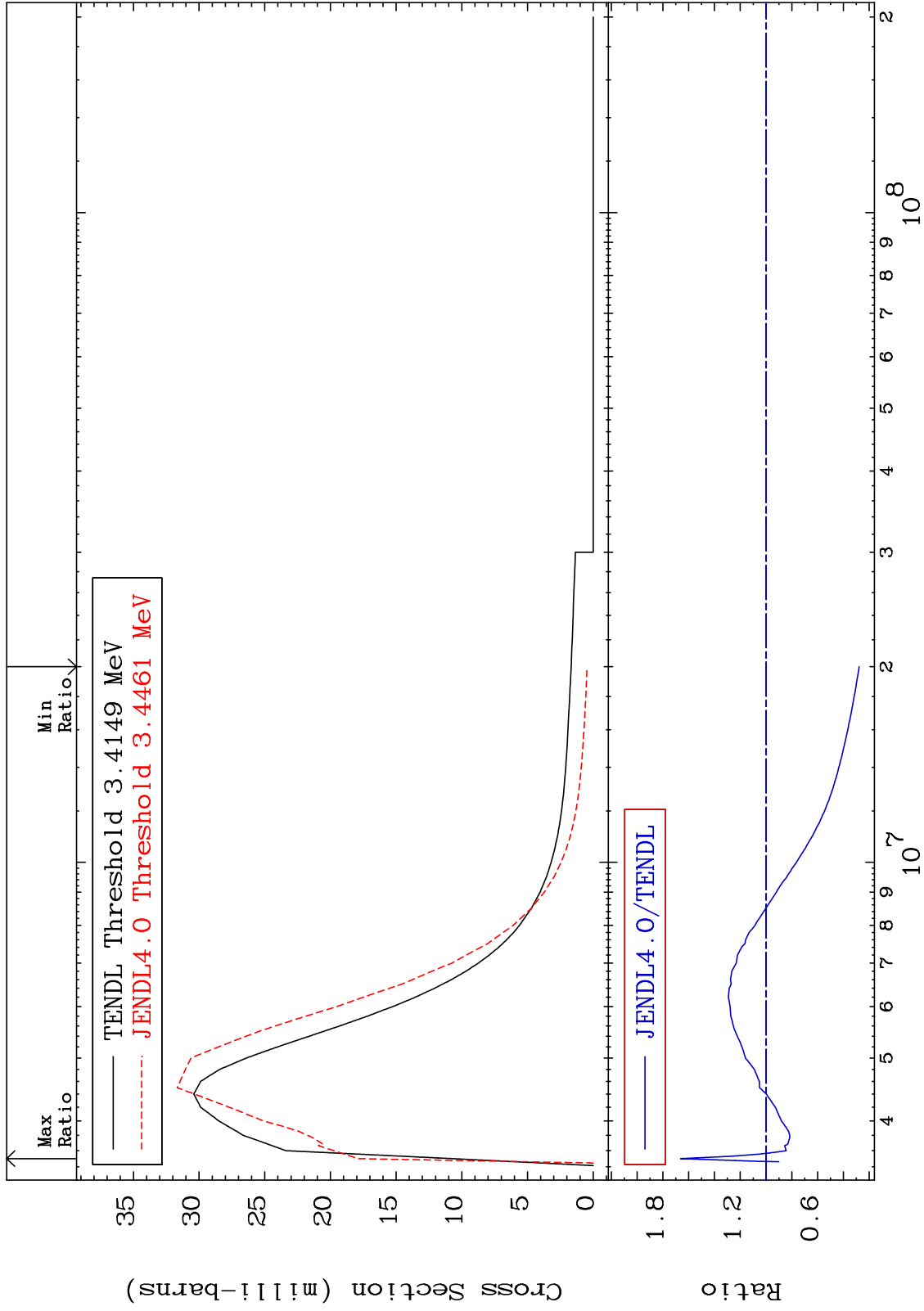
24-Cr-53
-38.12 To 2190. %



MAT 2434

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

24-Cr-53
-72.23 To 66.25 %



32

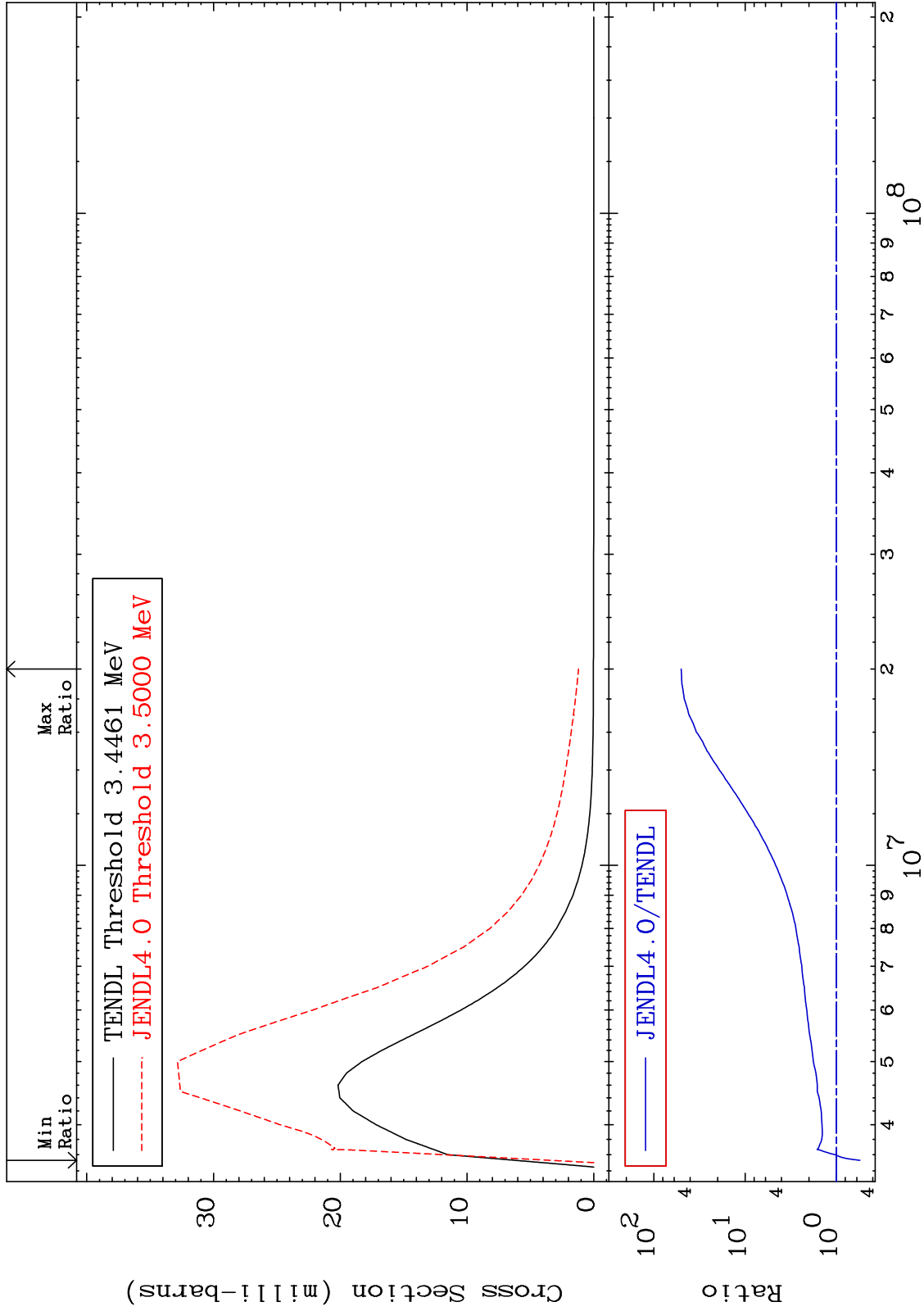
24-Cr-53

24-Cr-53

MAT 2434

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

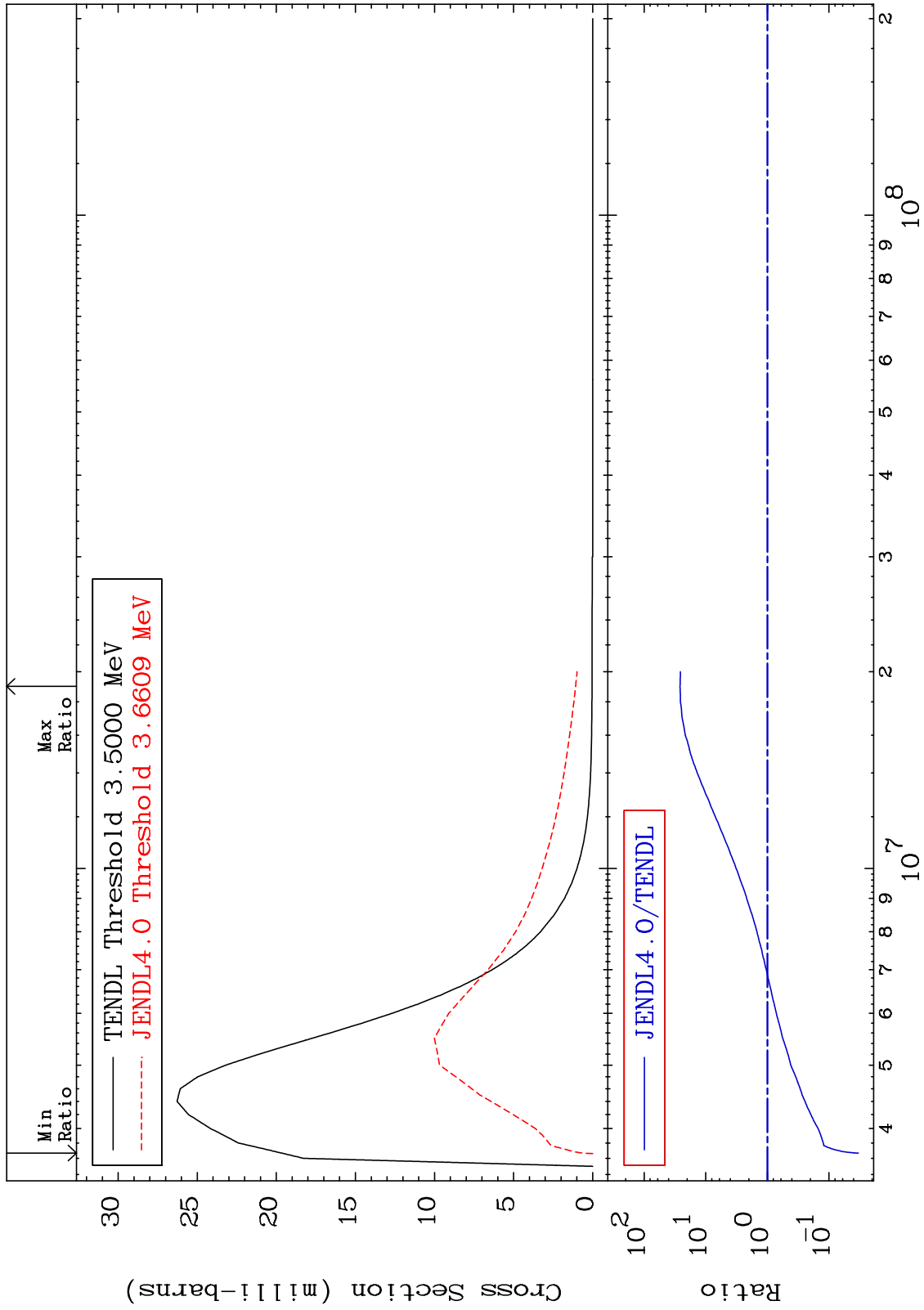
24-Cr-53
-44.67 To 4919. %



MAT 2434

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

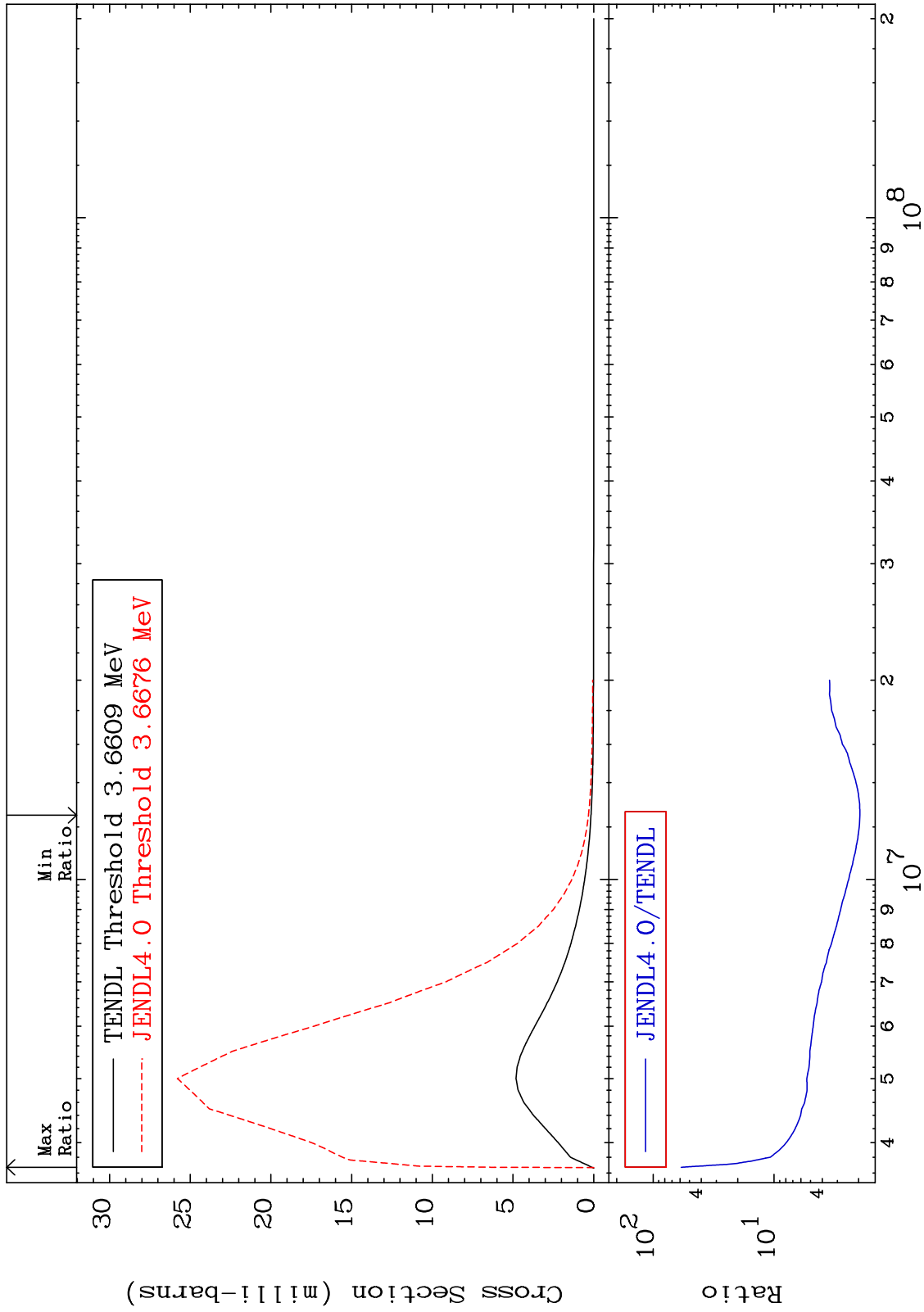
24-Cr-53
-96.67 To 2516. %



MAT 2434

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

24-Cr-53
95.05 To 5760. %



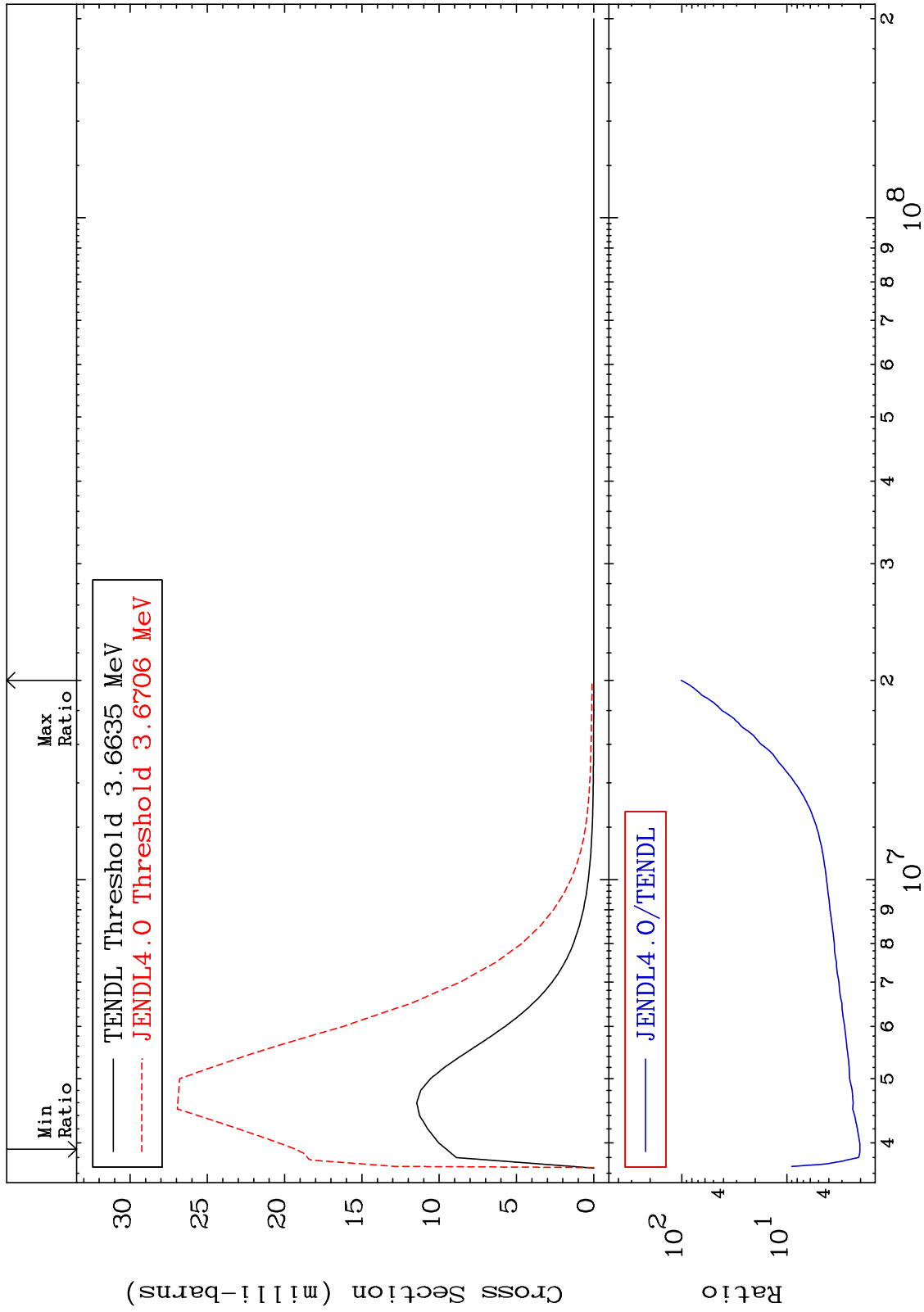
35

24-Cr-53

MAT 2434

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

24-Cr-53
102.4 To 9999. %



36

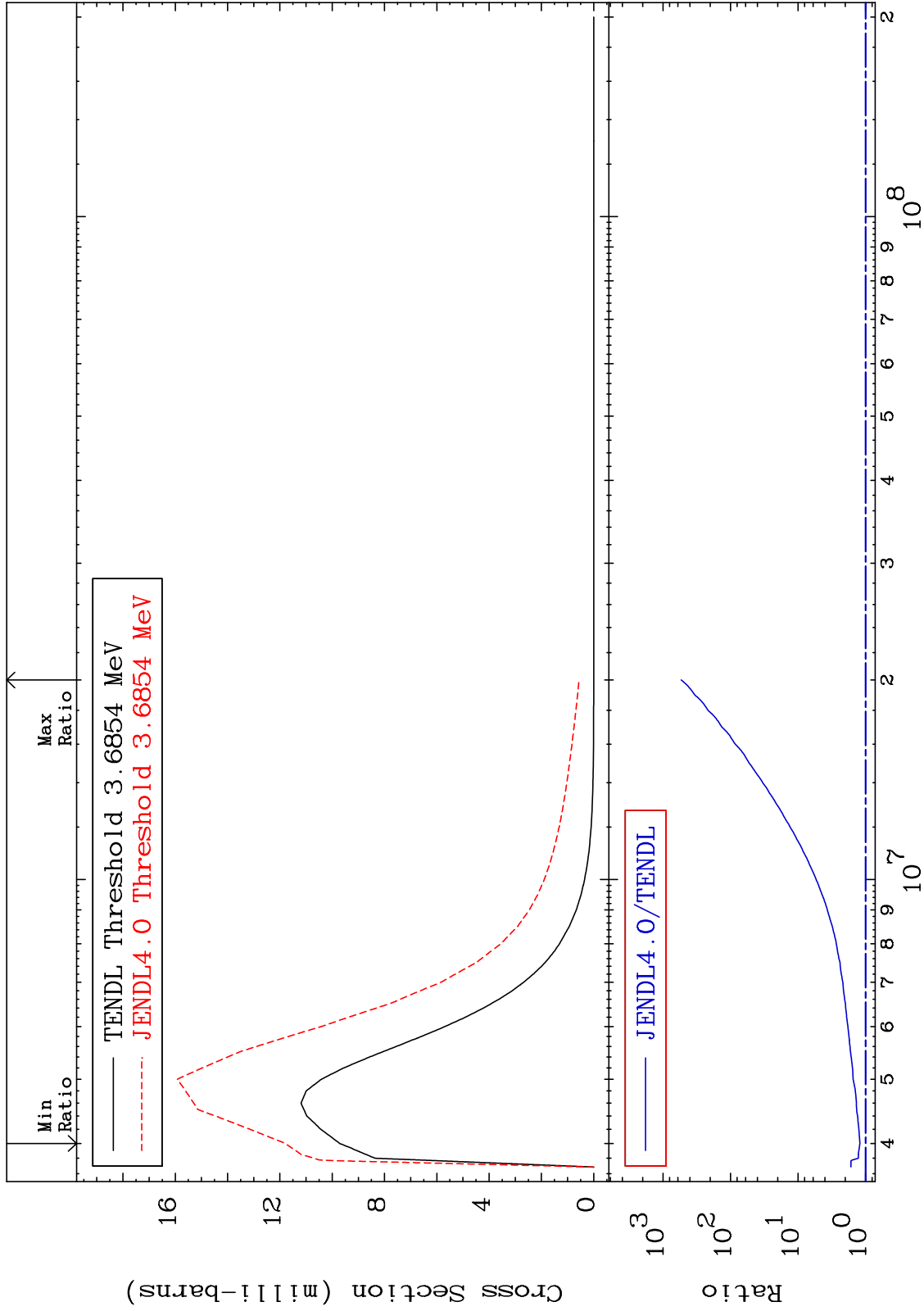
Incident Energy (eV)

24-Cr-53

MAT 2434

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

21.52 To 9999. %
24-Cr-53



37

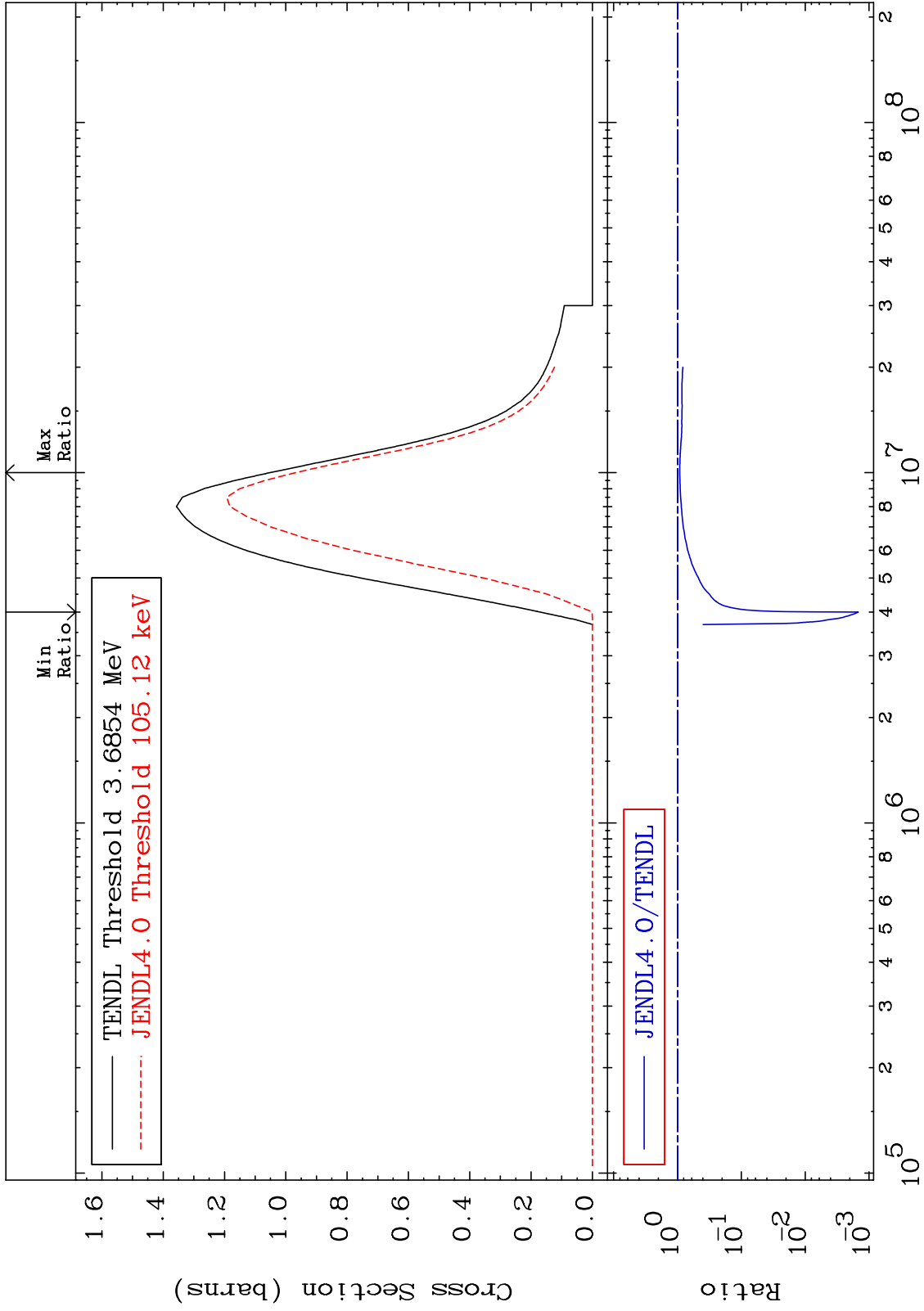
Incident Energy (eV)

24-Cr-53

MAT 2434

(n, n') Continuum
Cross Section

24-Cr-53
-99.85 To -7.947%



38

Incident Energy (eV)

24-Cr-53

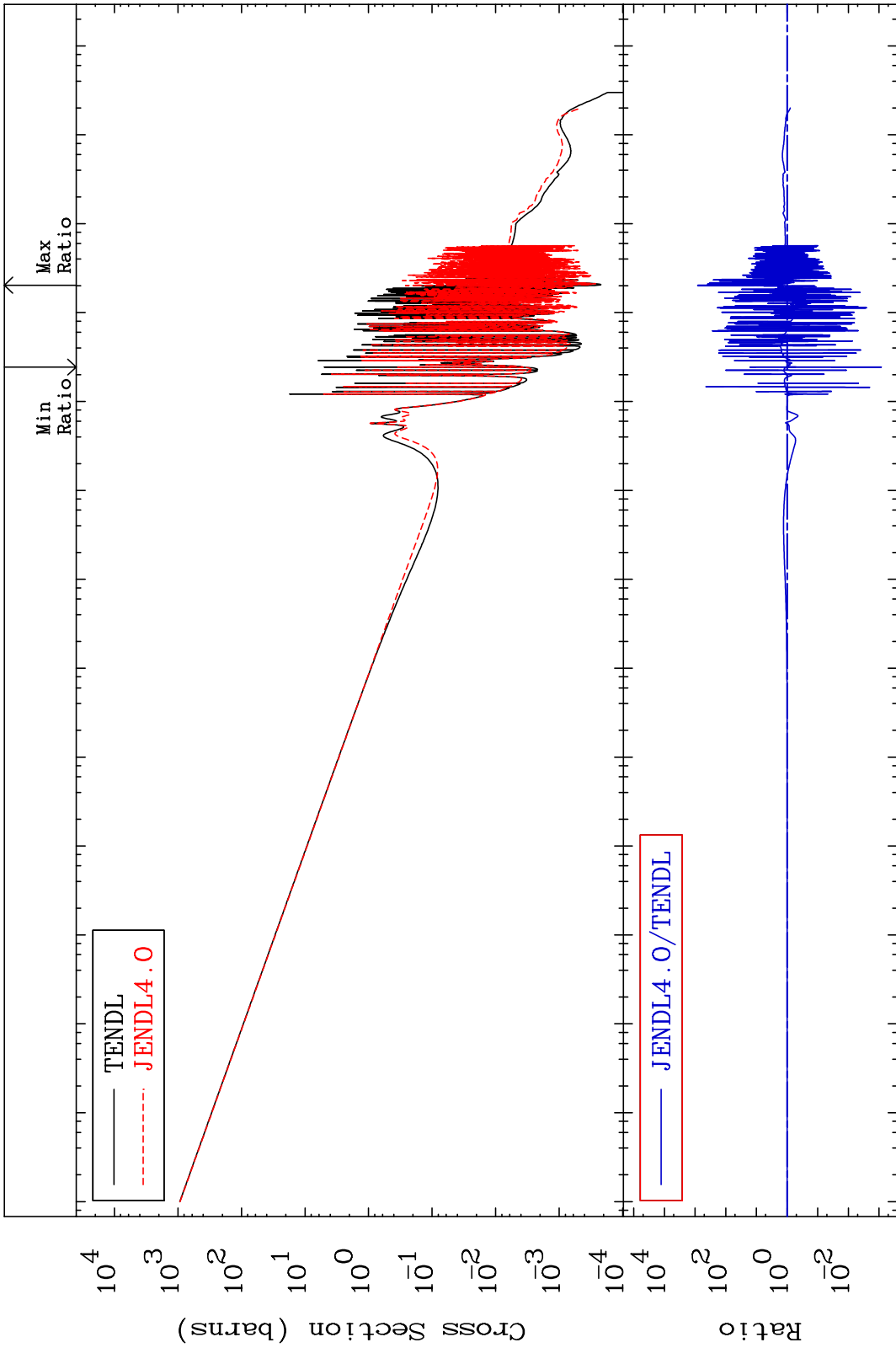
MAT 2434

(n, γ)

24-Cr-53

Cross Section

-99.92 To 9999. %



Incident Energy (eV)

24-Cr-53

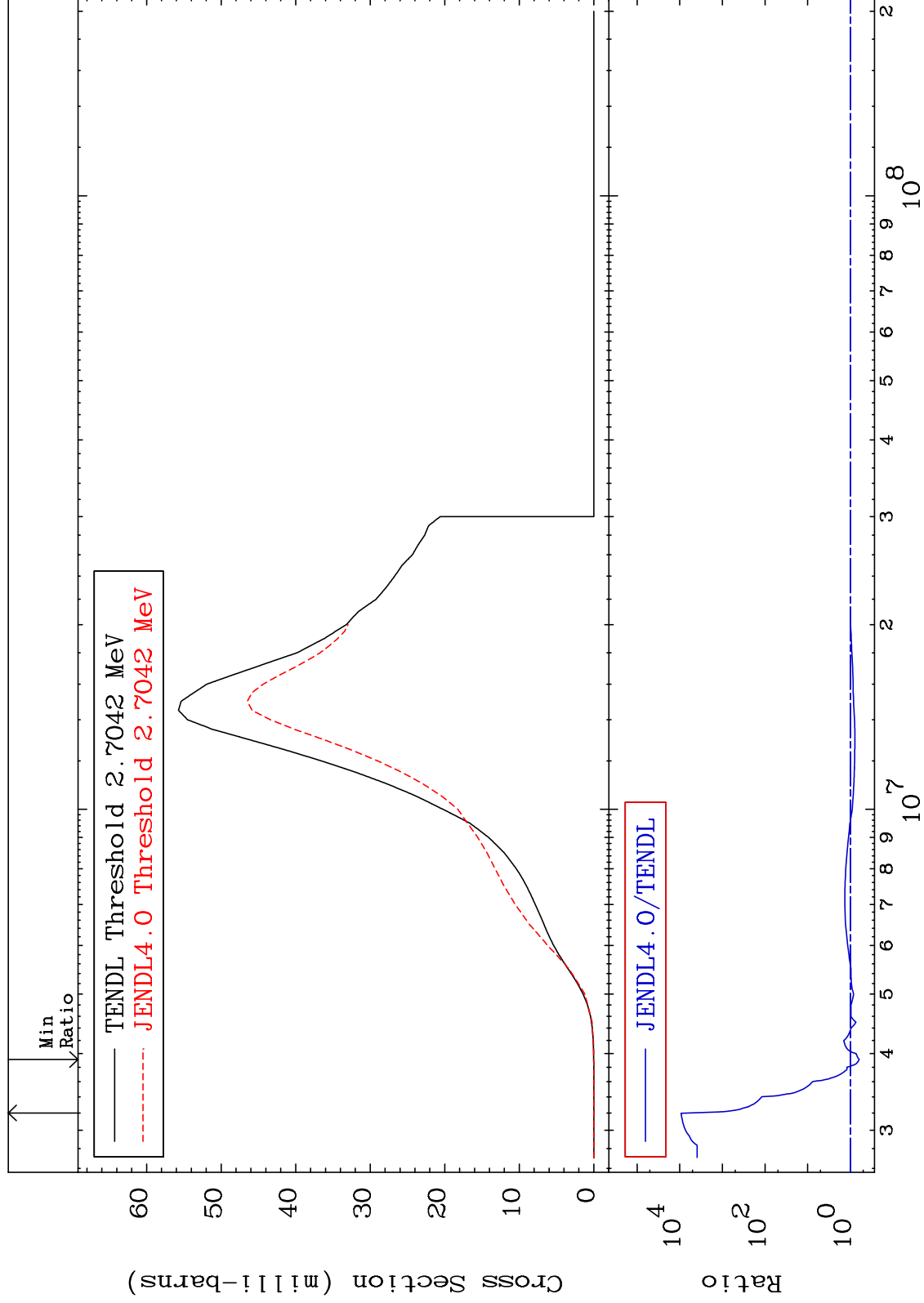
MAT 2434

(n,p)

24-Cr-53

Cross Section

-38.42 To 9999. %



40

Incident Energy (eV)

24-Cr-53

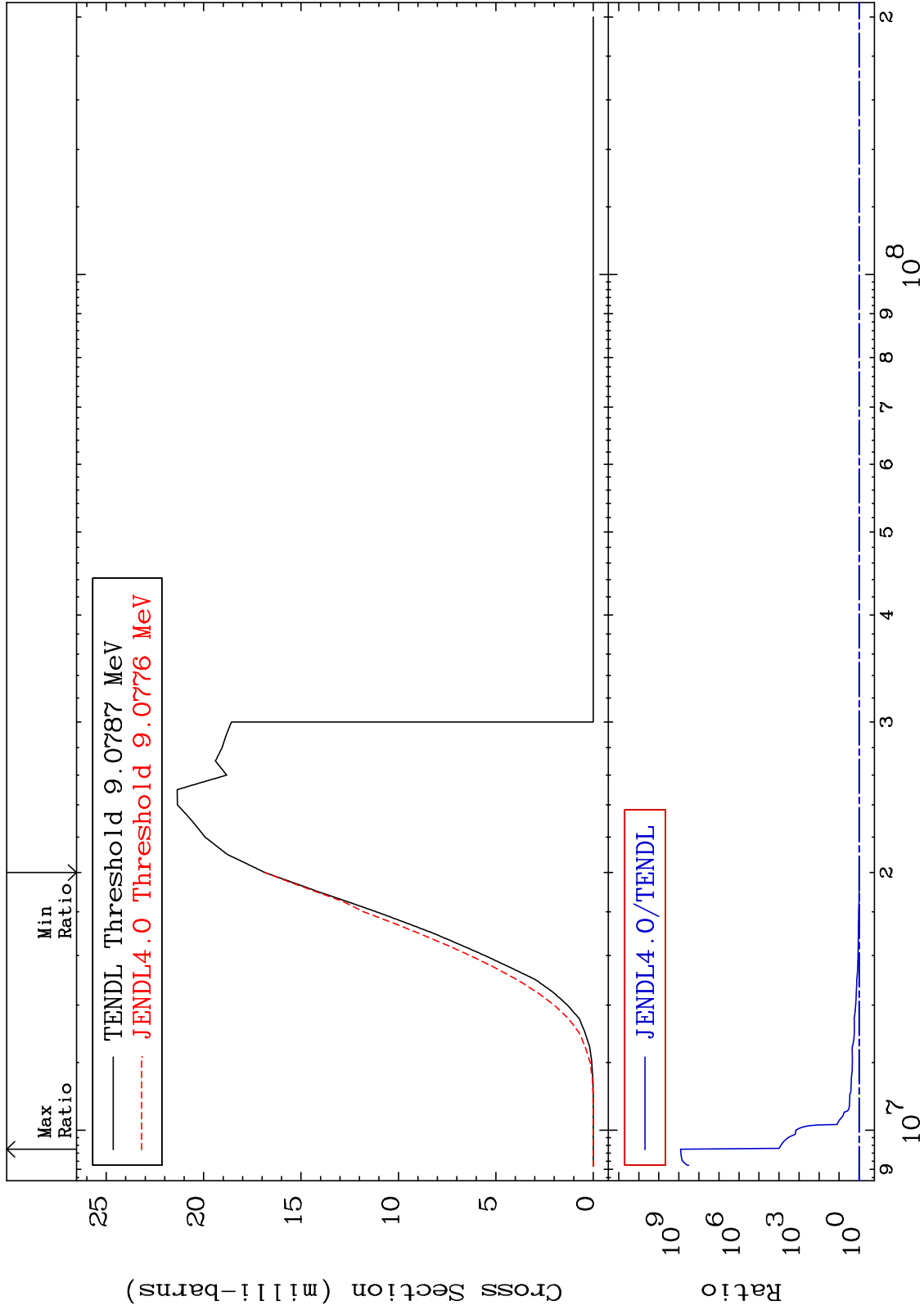
MAT 2434

(n,d)

²⁴Cr-53

Cross Section

-0.099 To 9999. %



41

Incident Energy (eV)

²⁴Cr-53

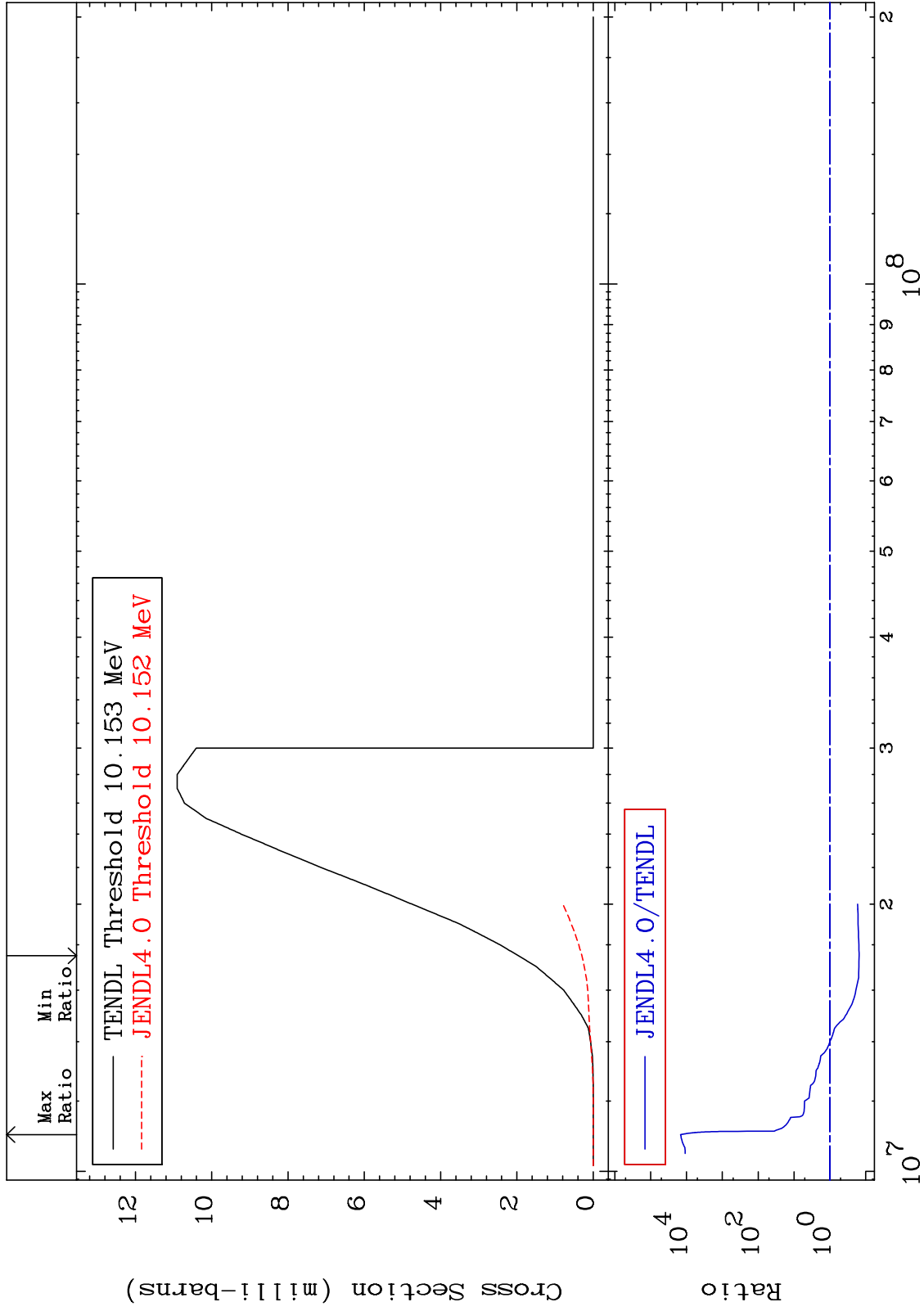
MAT 2434

(n, t)

24-Cr-53

Cross Section

-84.80 To 9999. %



Incident Energy (eV)

24-Cr-53

42

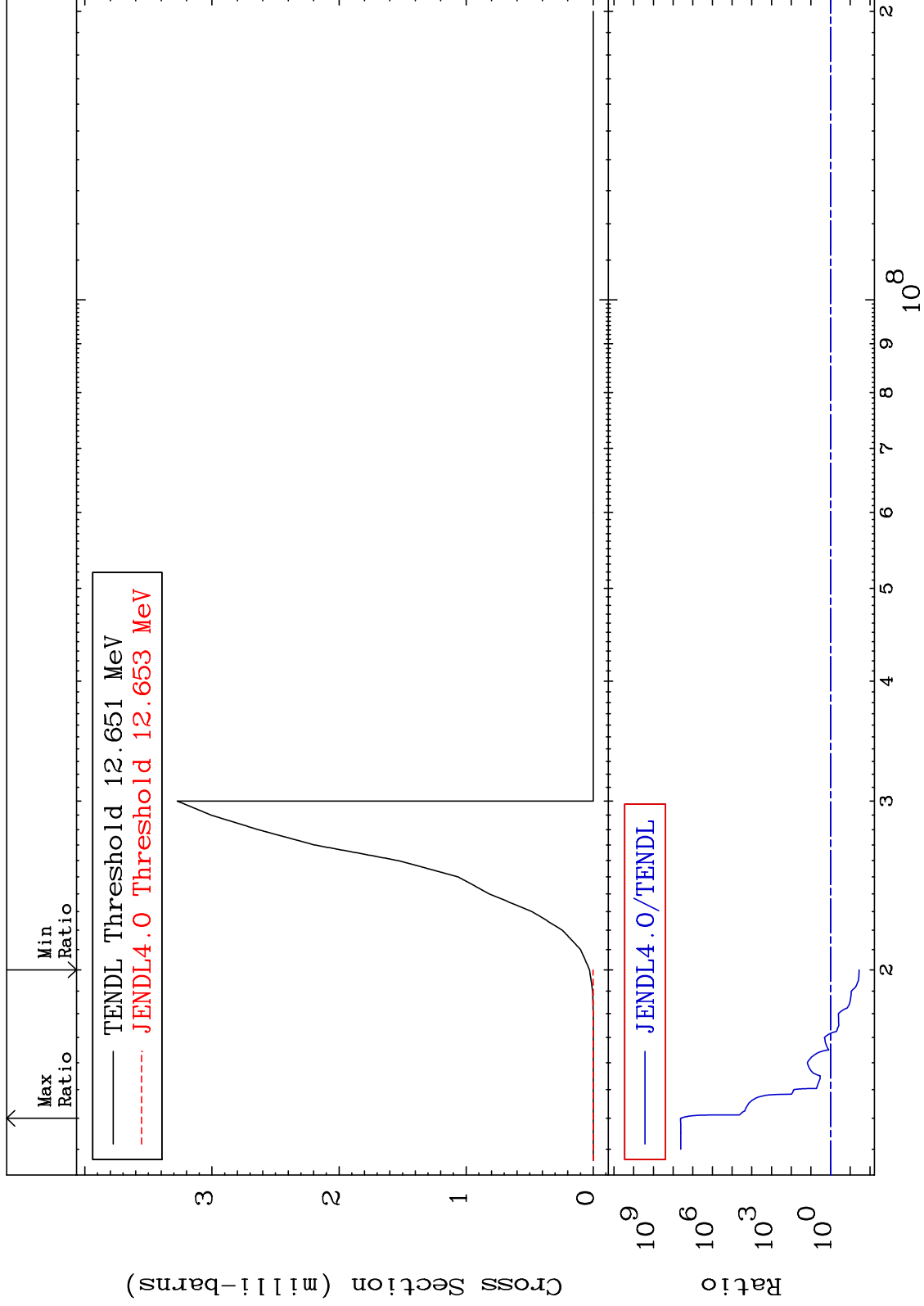
MAT 2434

(n, He-3)

24-Cr-53

Cross Section

-96.47 To 9999. %



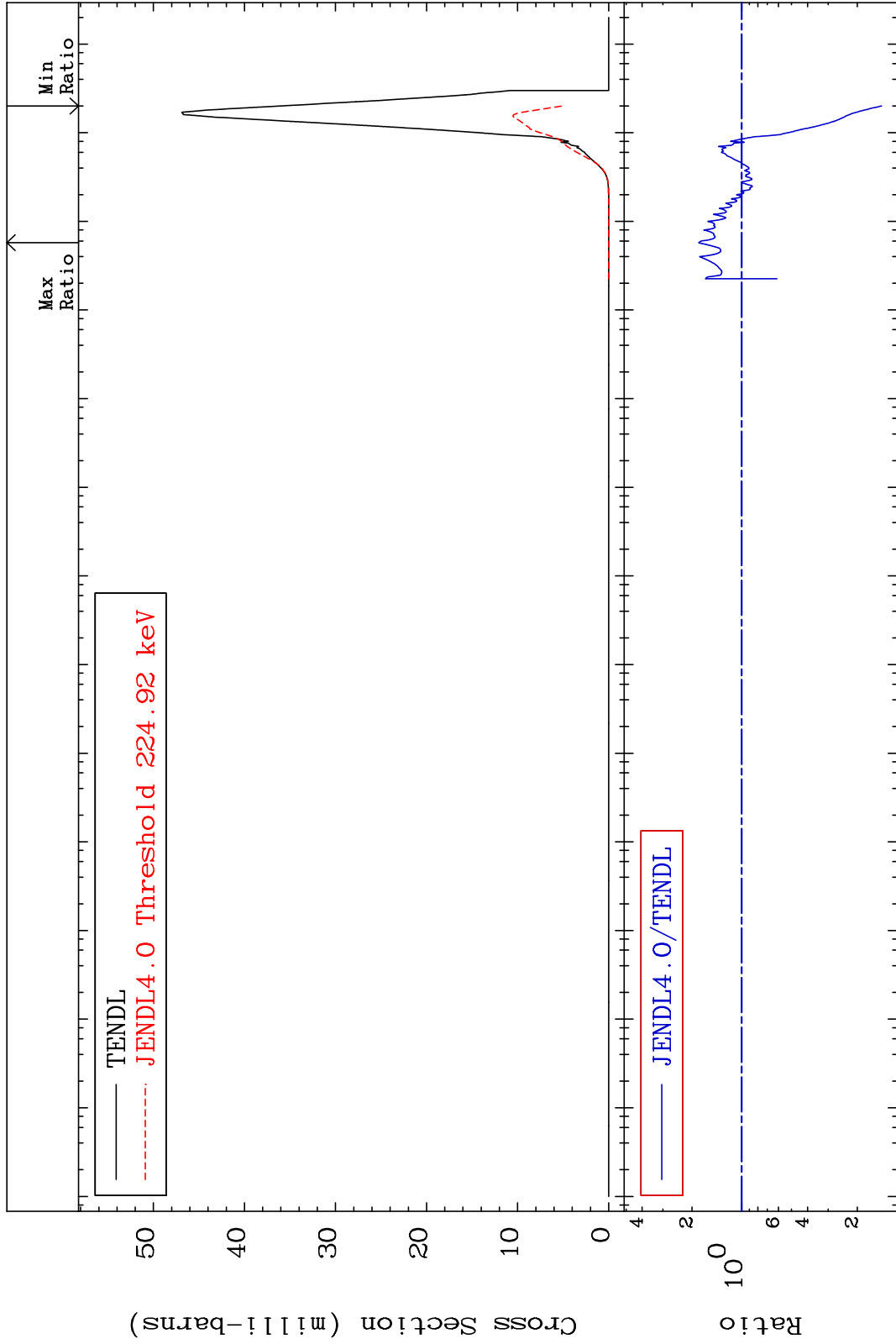
MAT 2434

(n, α)

²⁴Cr-53

Cross Section

-85.71 To 82.89 %



44

Incident Energy (eV)

²⁴Cr-53

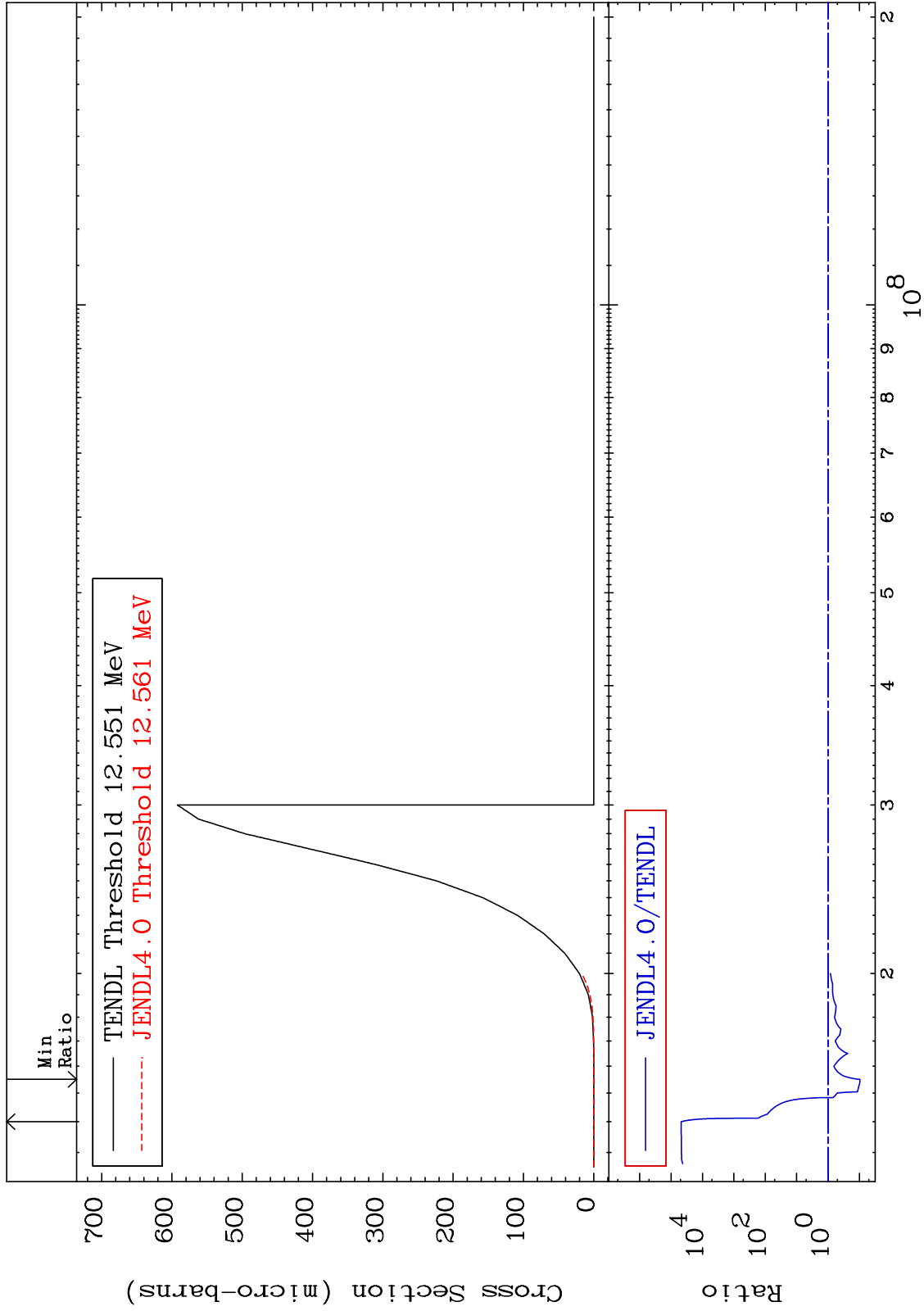
MAT 2434

(n,2p)

²⁴Cr-53

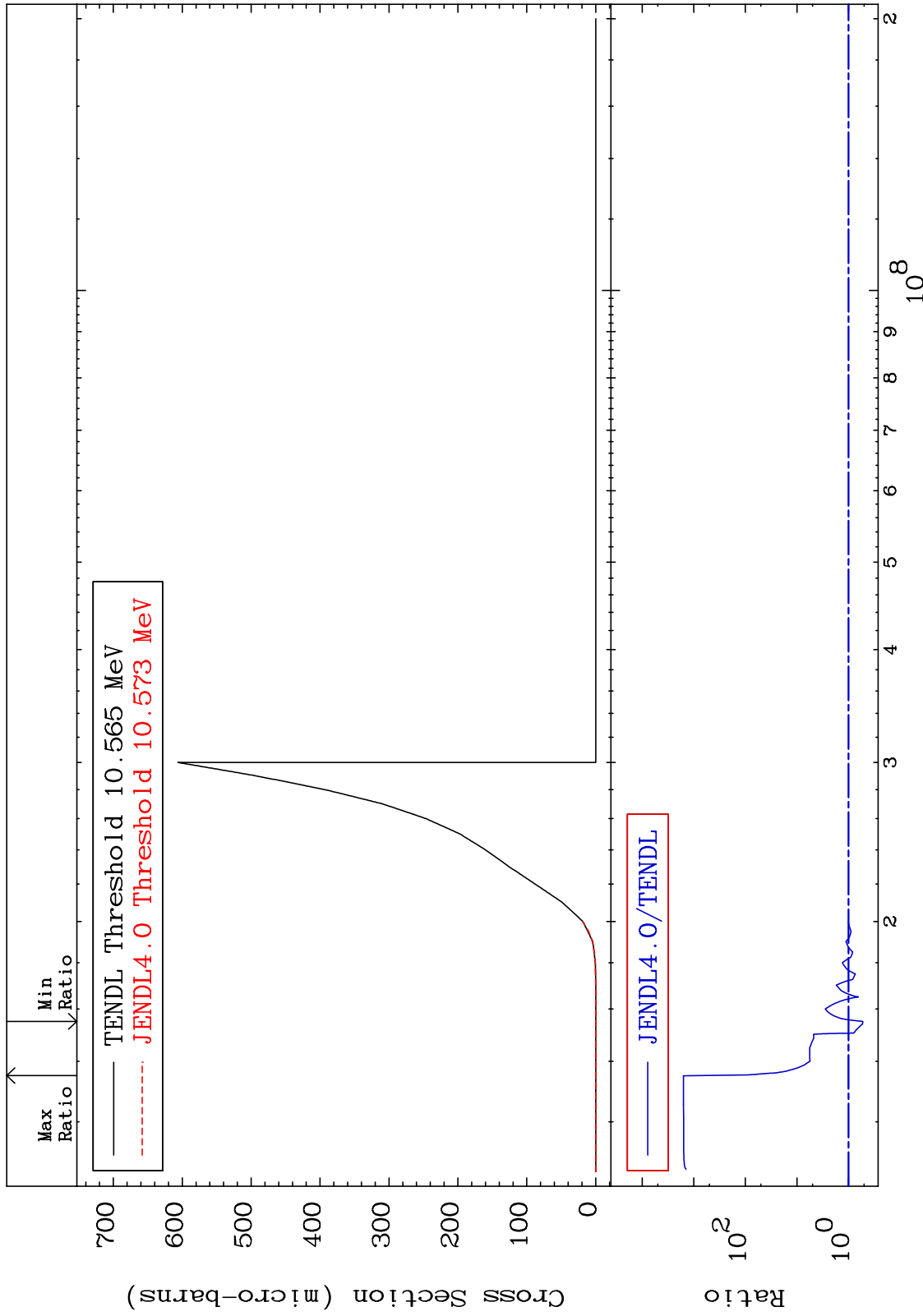
Cross Section

-90.41 To 9999. %



Cross Section

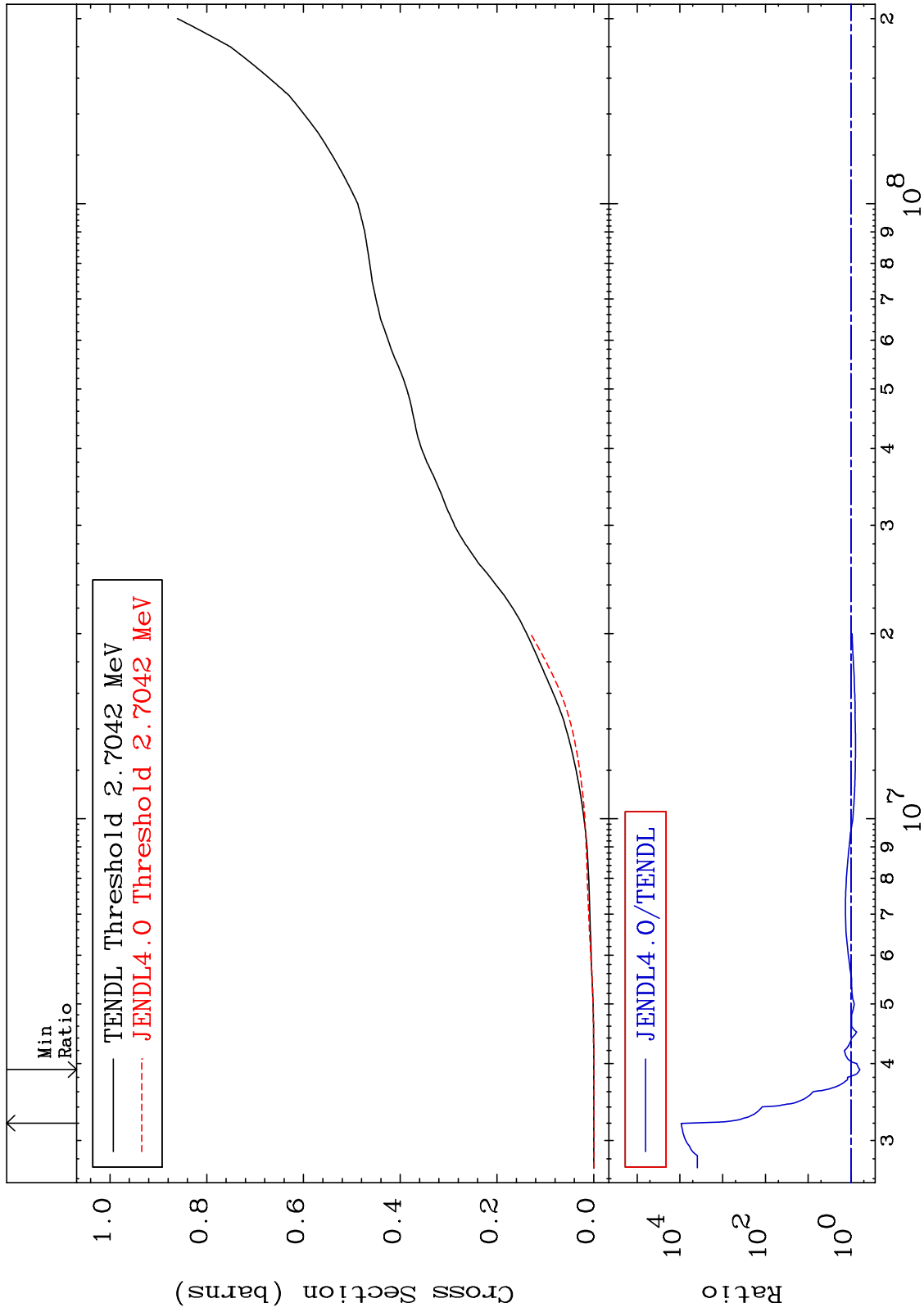
-47.21 To 9999. %



MAT 2434

Hydrogen Production
Cross Section

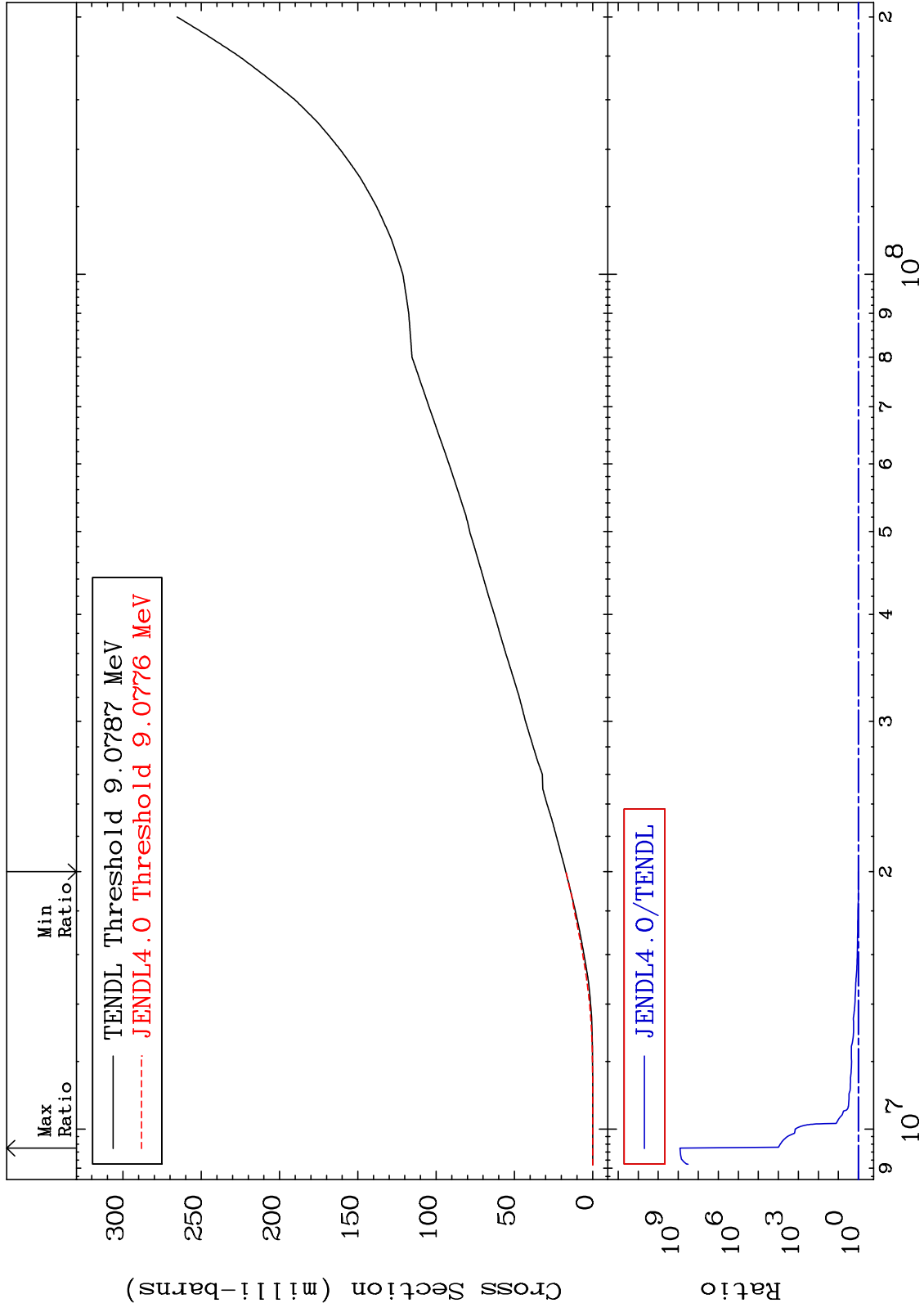
24-Cr-53
-38.42 To 9999. %



MAT 2434

Deuterium Production
Cross Section

²⁴Cr-53
-0.254 To 9999. %



48

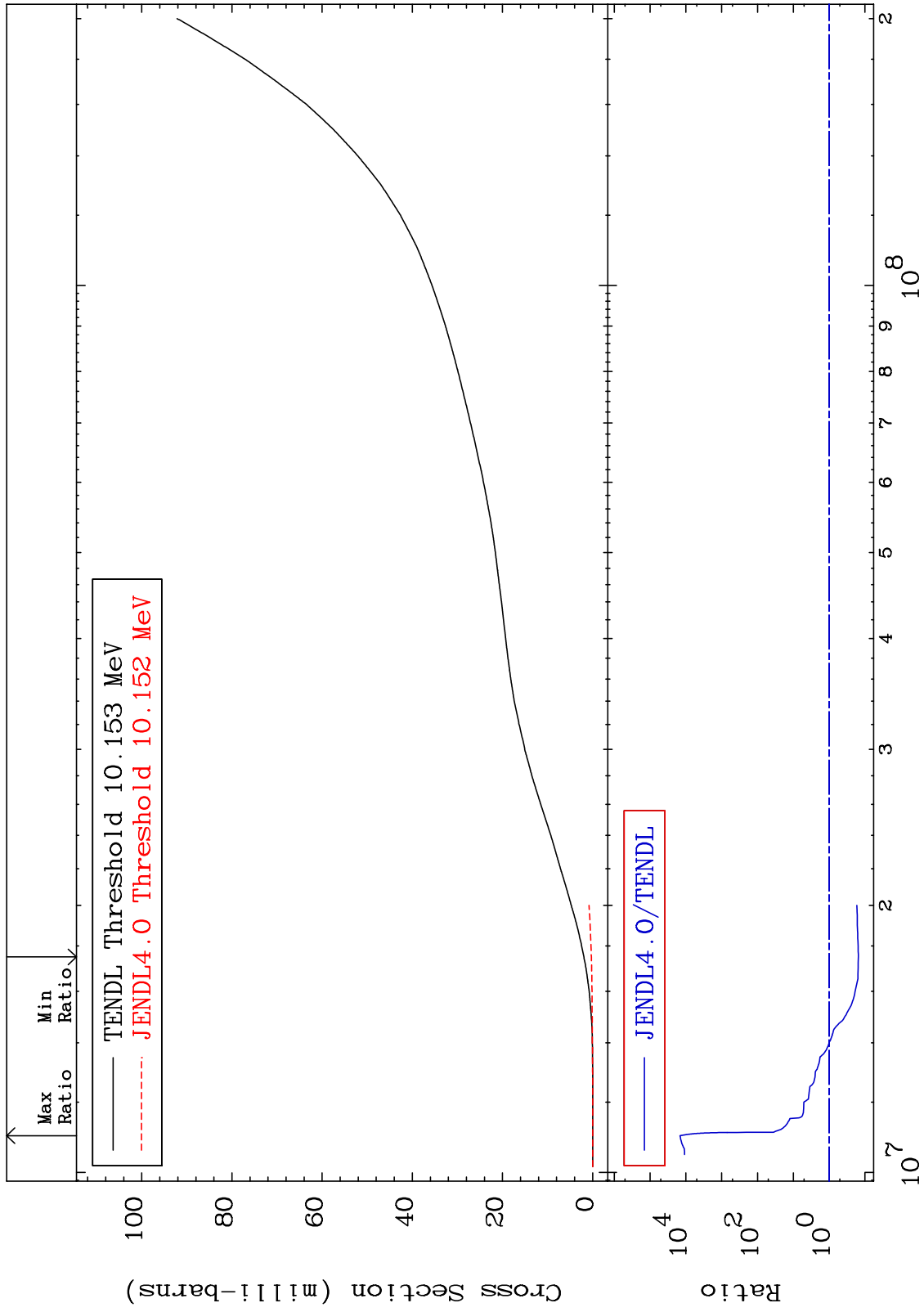
Incident Energy (eV)

²⁴Cr-53

MAT 2434

Tritium Production
Cross Section

²⁴Cr-53
-84.80 To 9999. %



Incident Energy (eV)

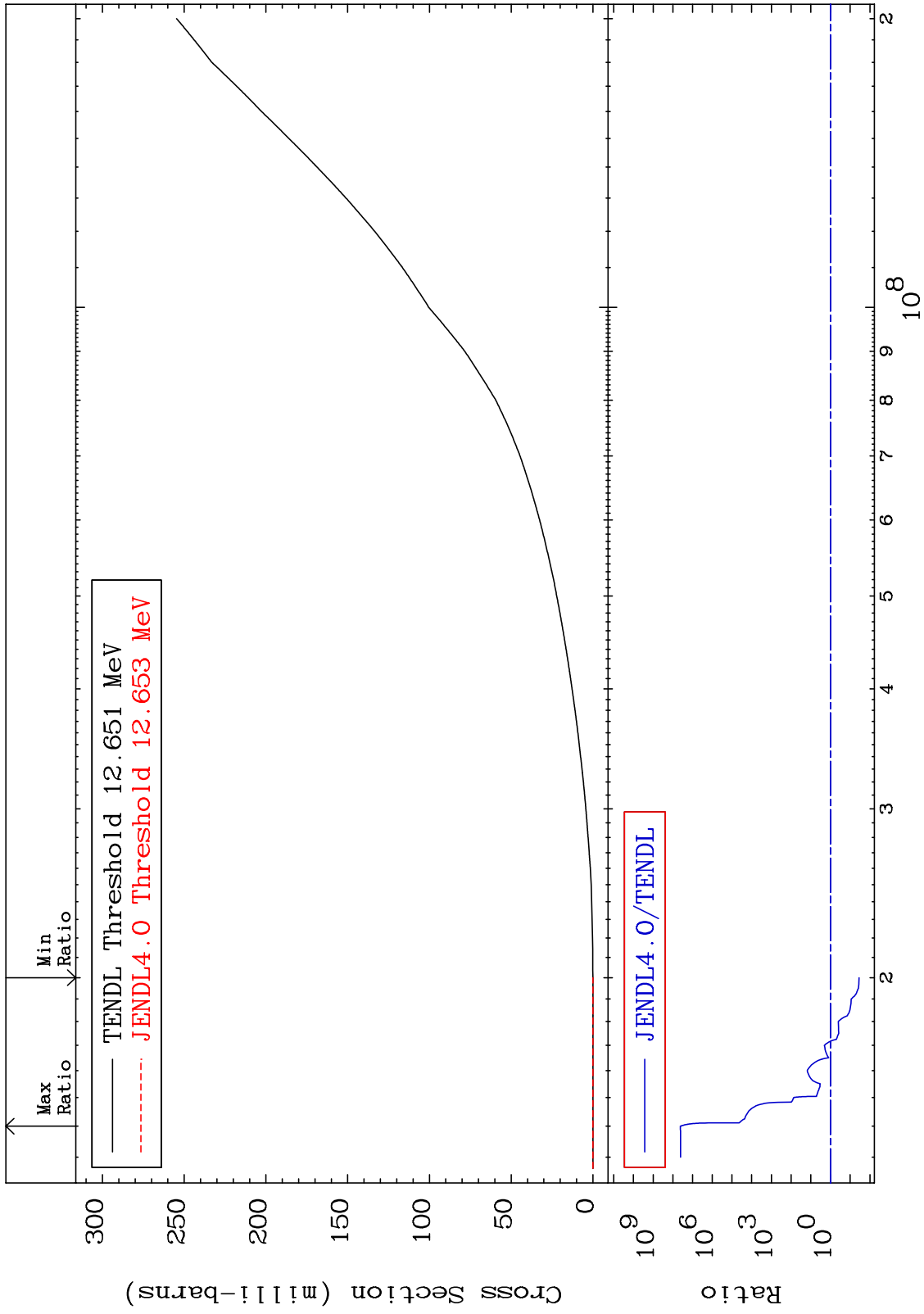
²⁴Cr-53

49

MAT 2434

He-3 Production
Cross Section

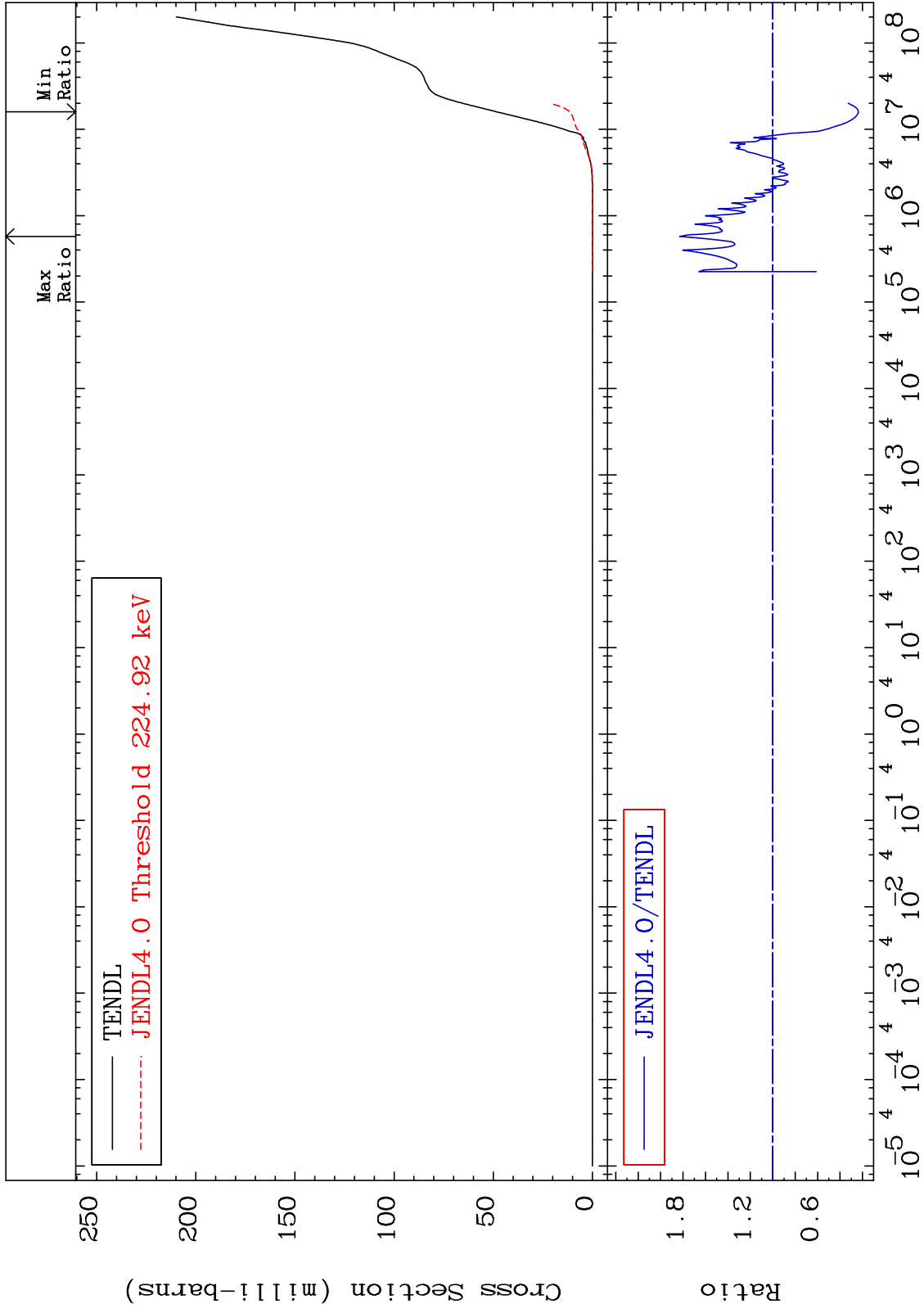
24-Cr-53
-96.47 To 9999. %



MAT 2434

He-4 Production
Cross Section

24-Cr-53
-76.31 To 82.89 %



51

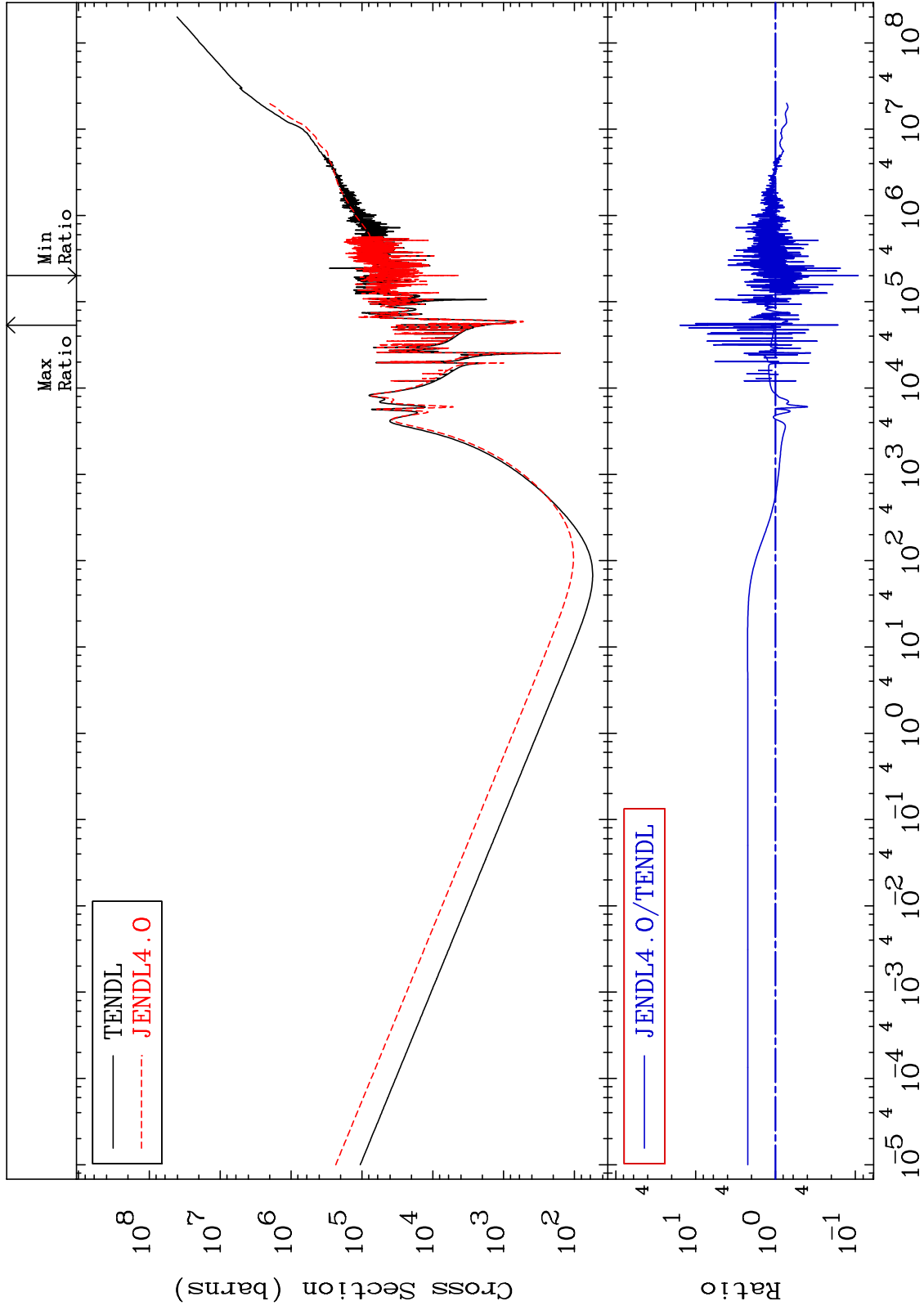
Incident Energy (eV)

24-Cr-53

MAT 2434

Kerma total (eV-barns)
Cross Section

24-Cr-53
-90.85 To 1470. %



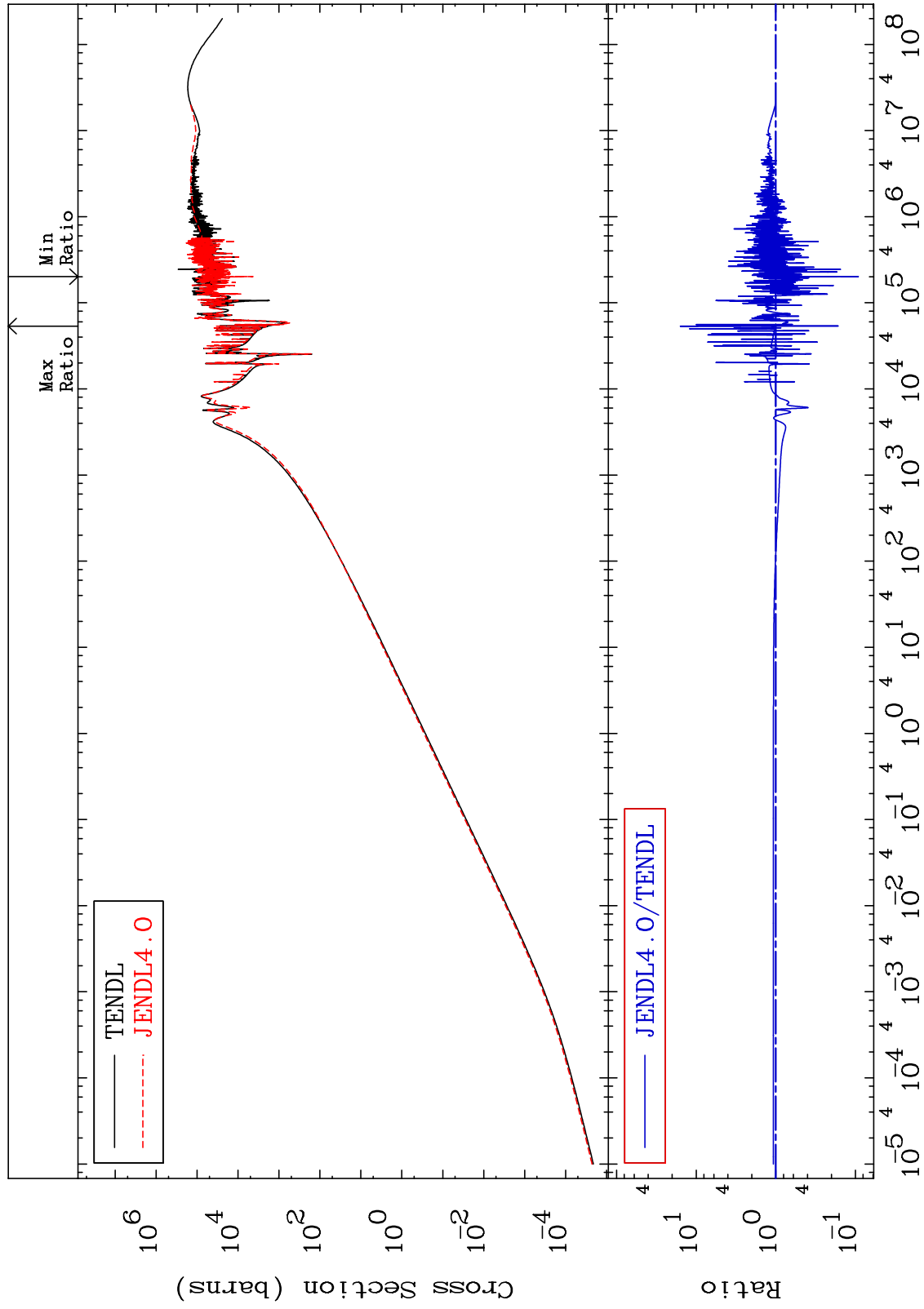
52

24-Cr-53

MAT 2434

Kerma elastic
Cross Section

24-Cr-53
-90.86 To 1476. %



53

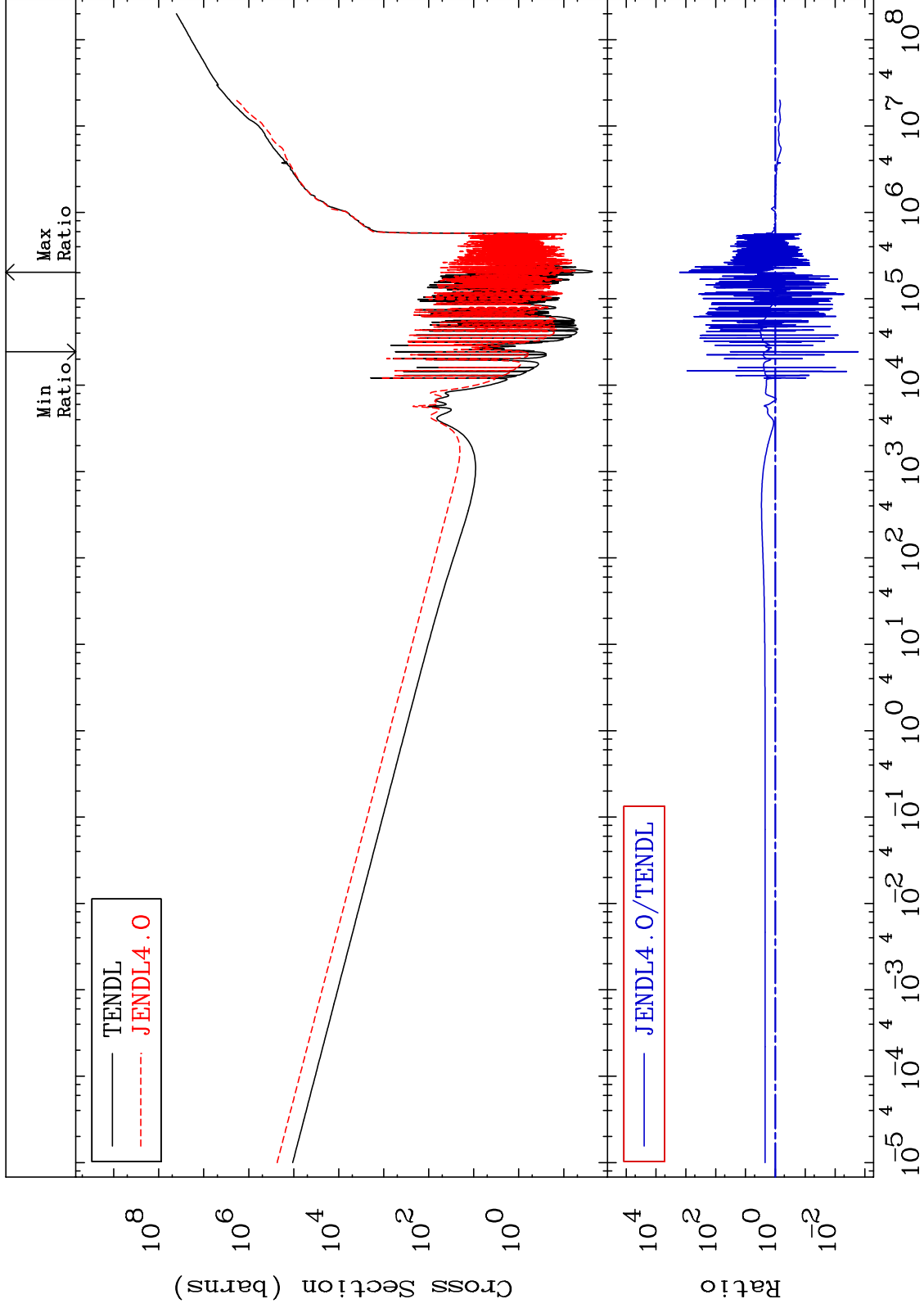
Incident Energy (eV)

24-Cr-53

MAT 2434

Kerma non-elastic (all but mt2)
Cross Section

24-Cr-53
-99.83 To 9999. %



54

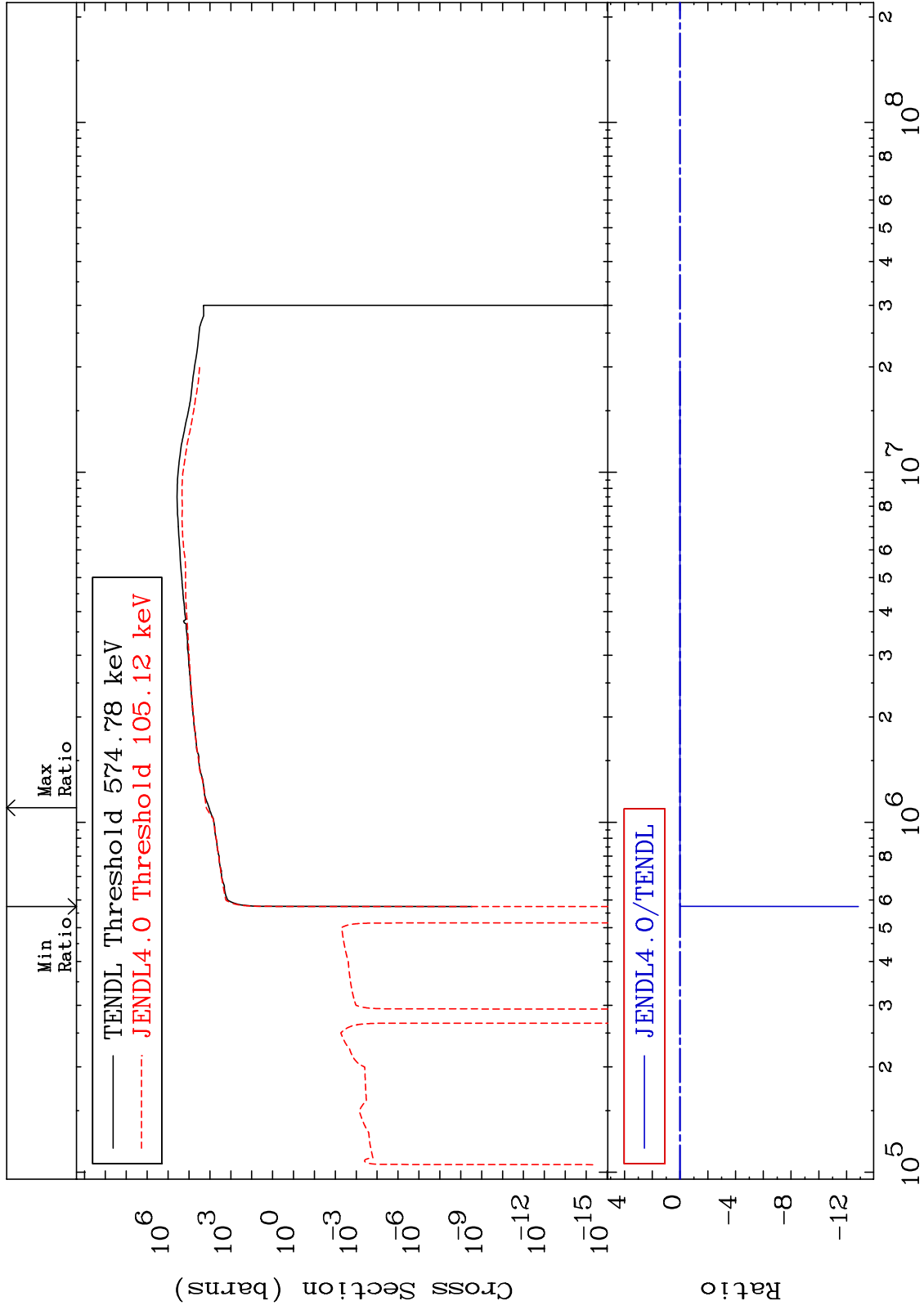
Incident Energy (eV)

24-Cr-53

MAT 2434

Kerma inelastic (mt51-91)
Cross Section

24-Cr-53
-9999. To 35.80 %



55

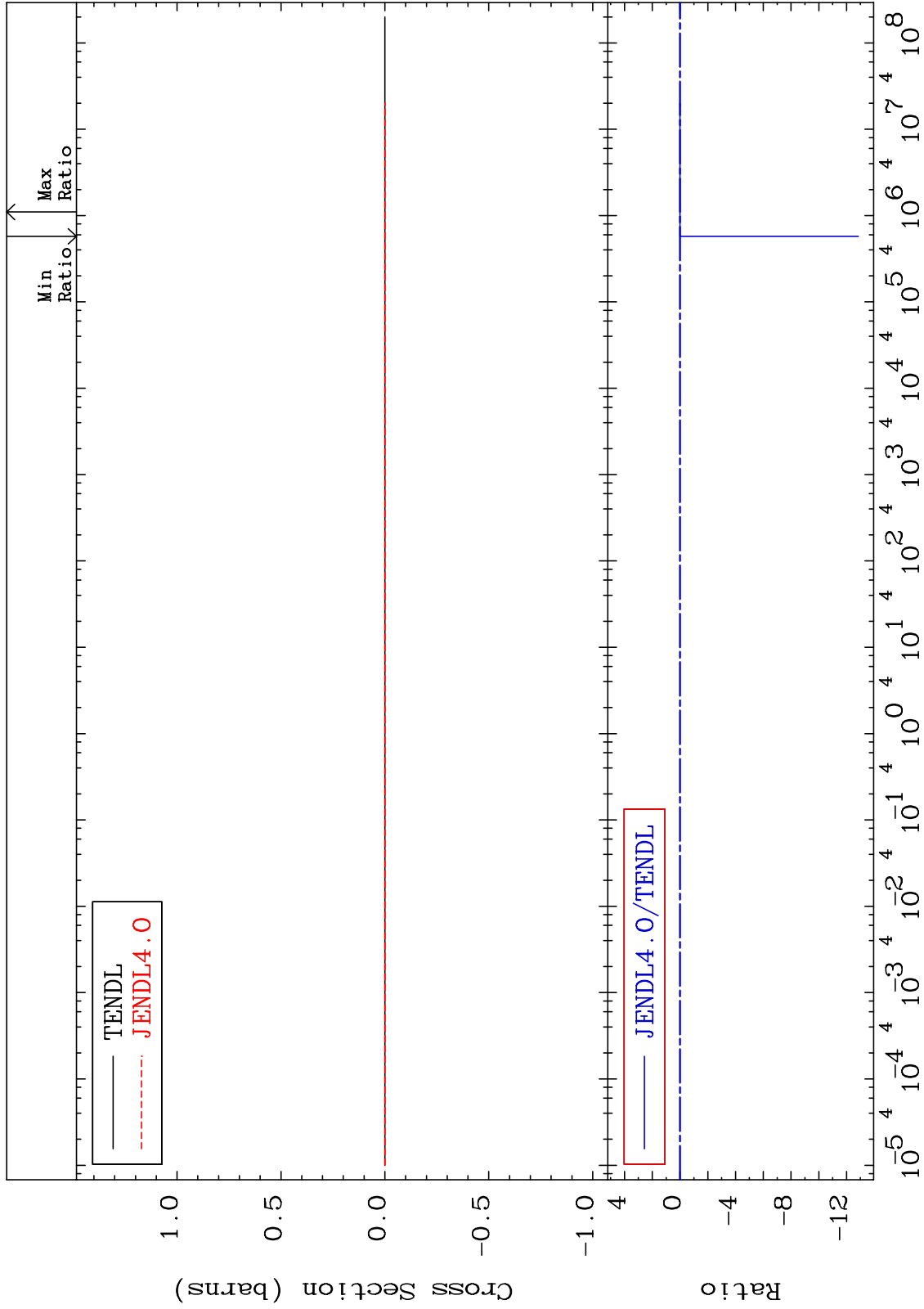
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53
-9999. To 35.80 %



56

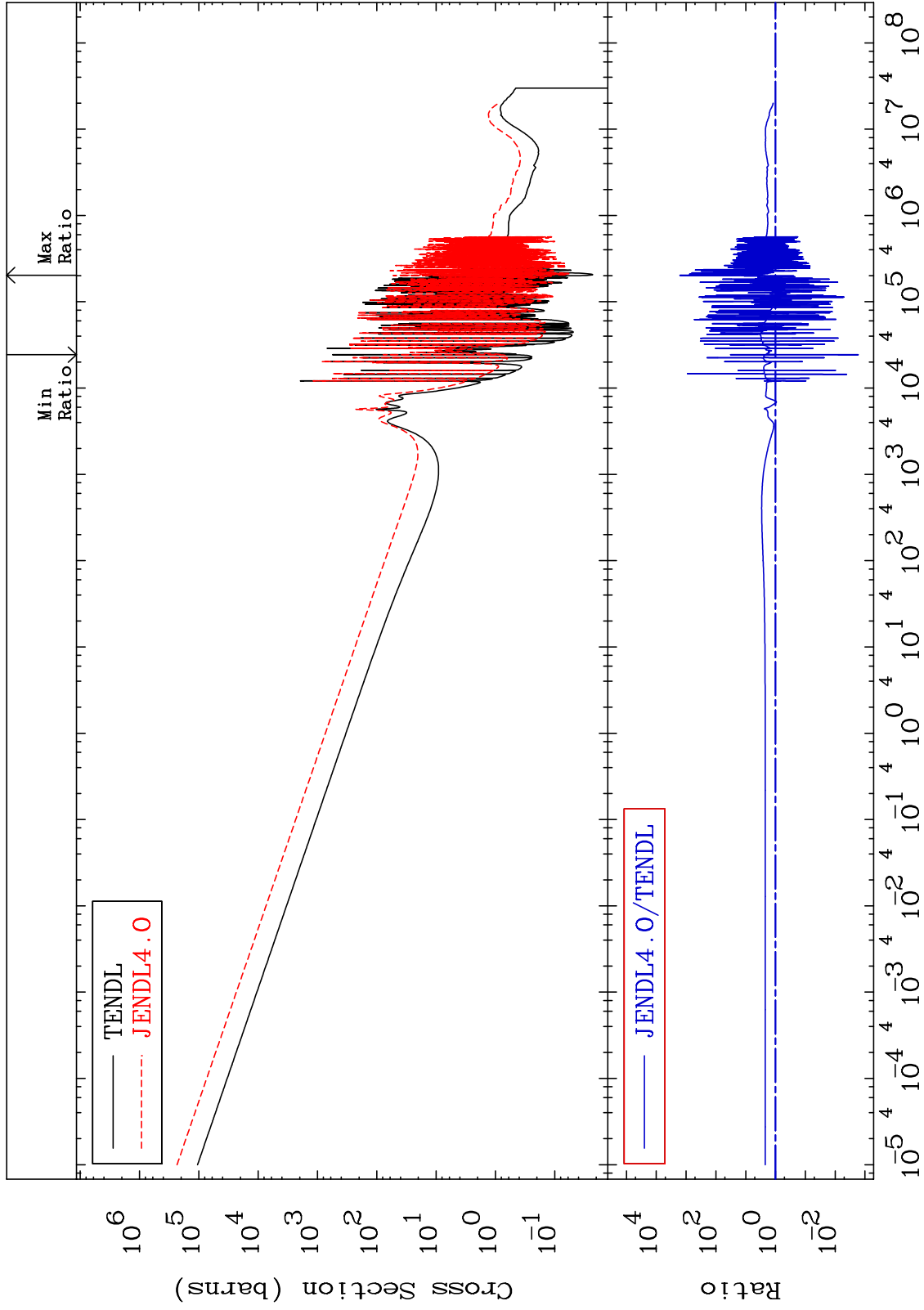
Incident Energy (eV)

24-Cr-53

MAT 2434

Kerma capture (mt102)
Cross Section

24-Cr-53
-99.83 To 9999. %



57

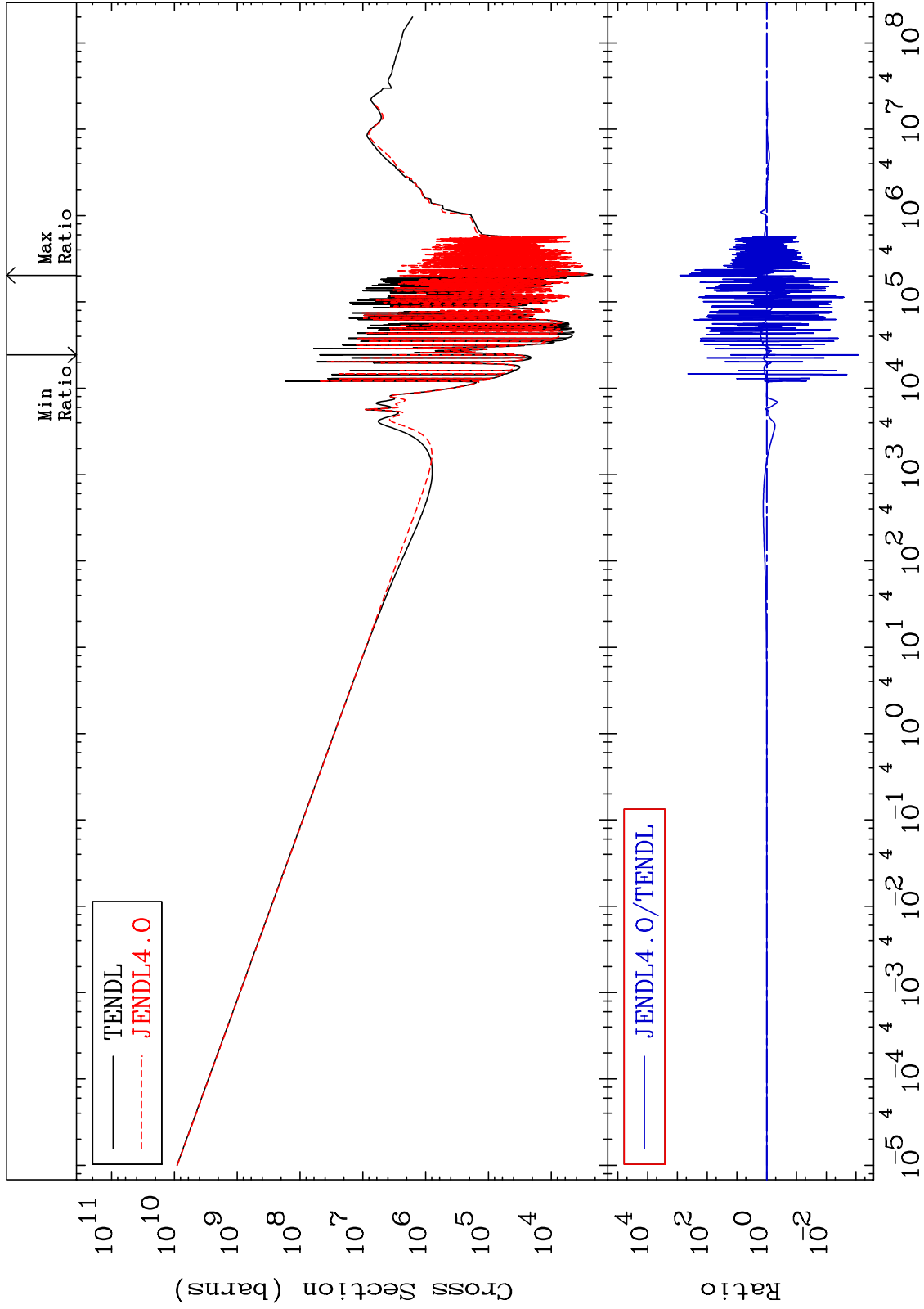
Incident Energy (eV)

24-Cr-53

MAT 2434

Total photon (eV-barns)
Cross Section

24-Cr-53
-99.92 To 9999. %



58

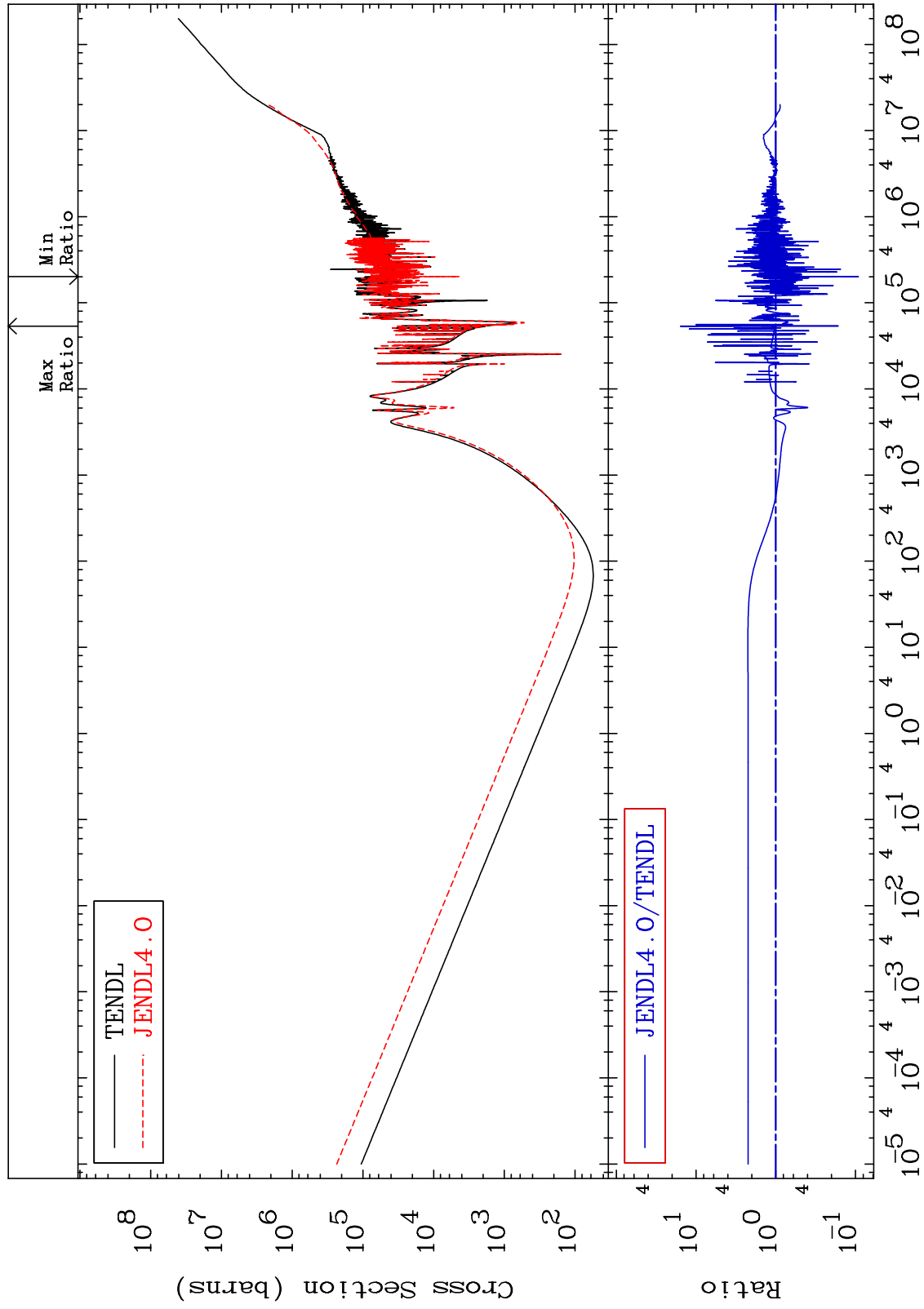
Incident Energy (eV)

24-Cr-53

MAT 2434

Total kinematic kerma (high limit)
Cross Section

24-Cr-53
-90.85 To 1470. %



59

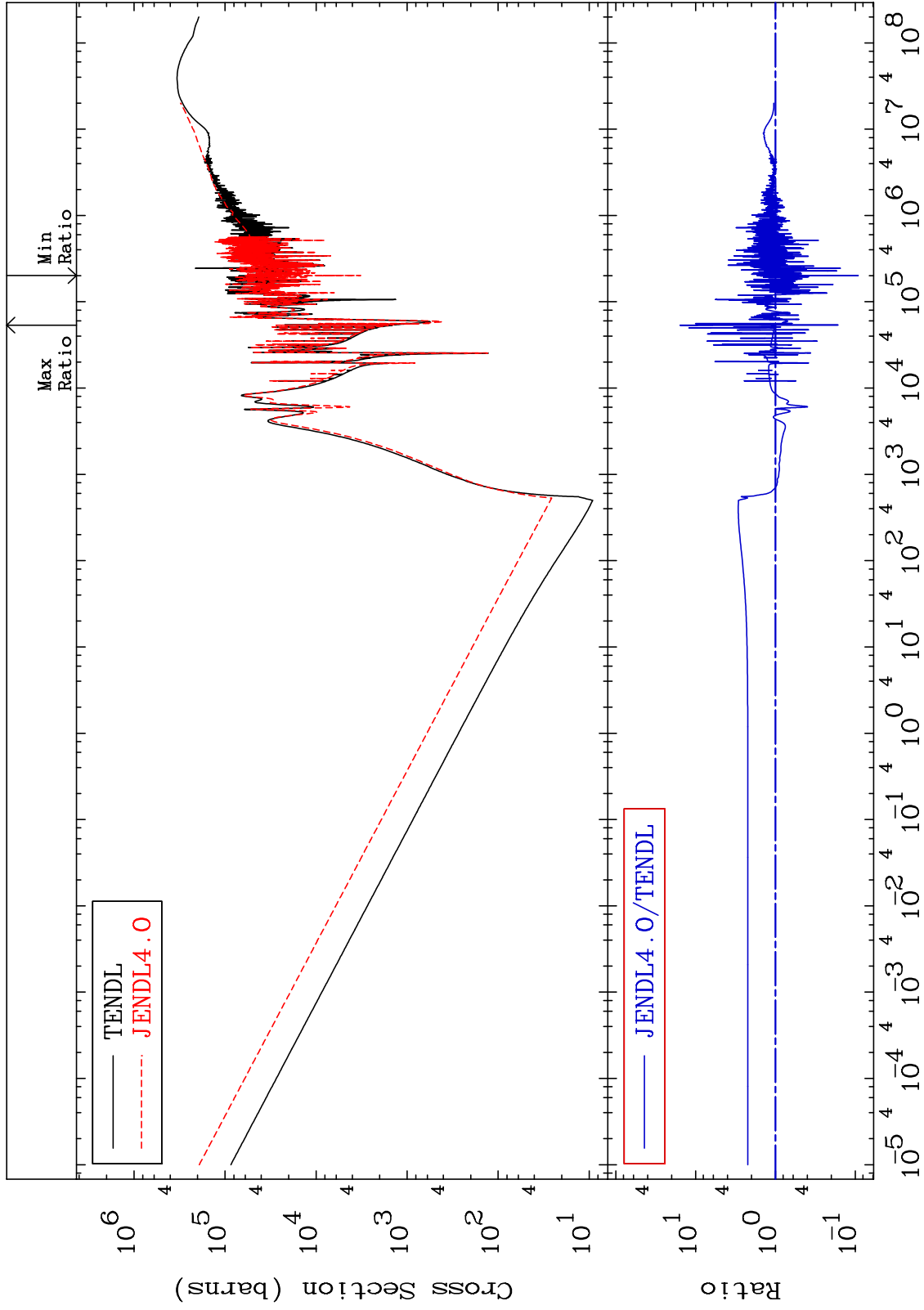
Incident Energy (eV)

24-Cr-53

MAT 2434

Dpa total (eV-barns)
Cross Section

24-Cr-53
-90.86 To 1470. %



60

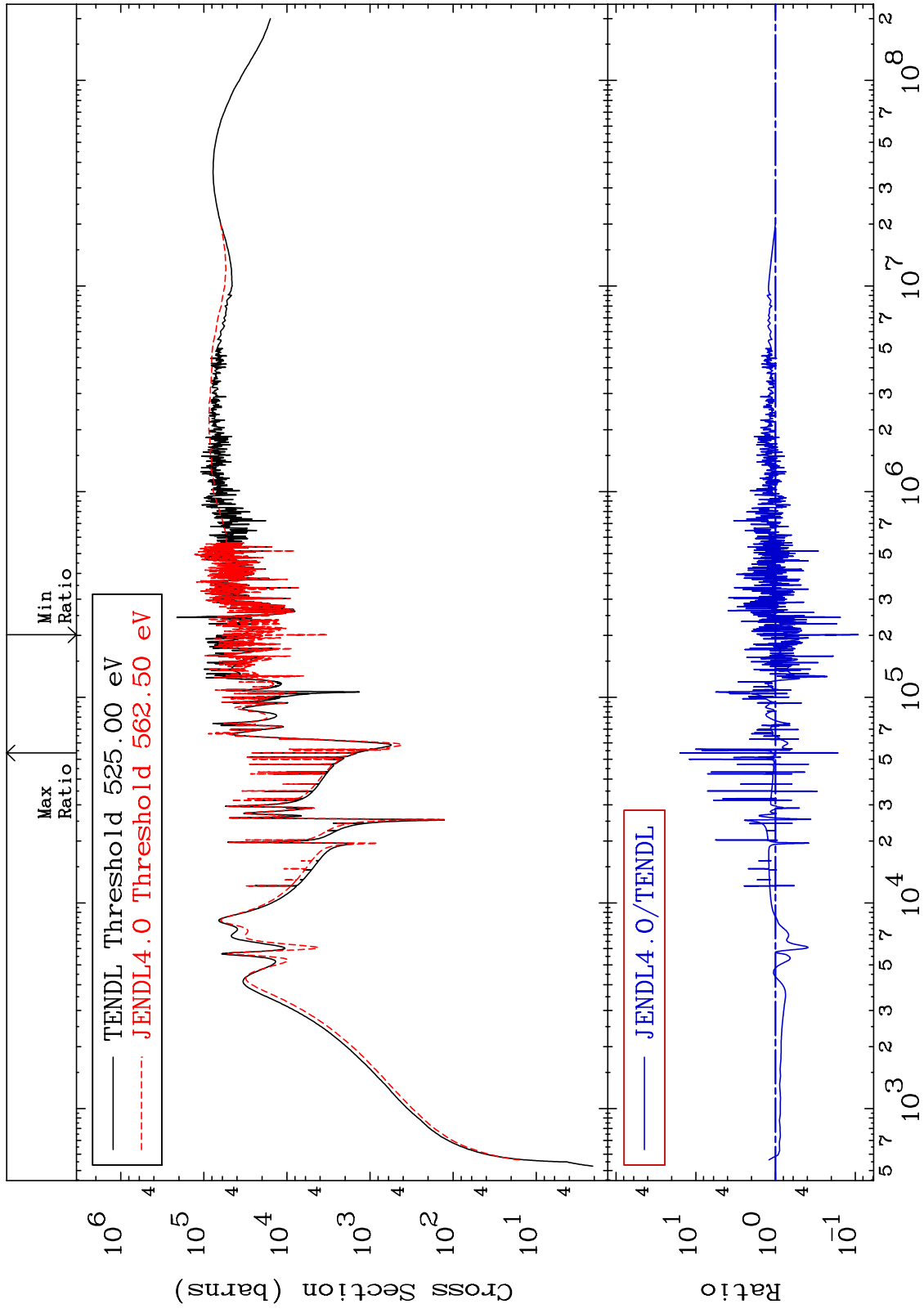
Incident Energy (eV)

24-Cr-53

MAT 2434

Dpa elastic (mt2)
Cross Section

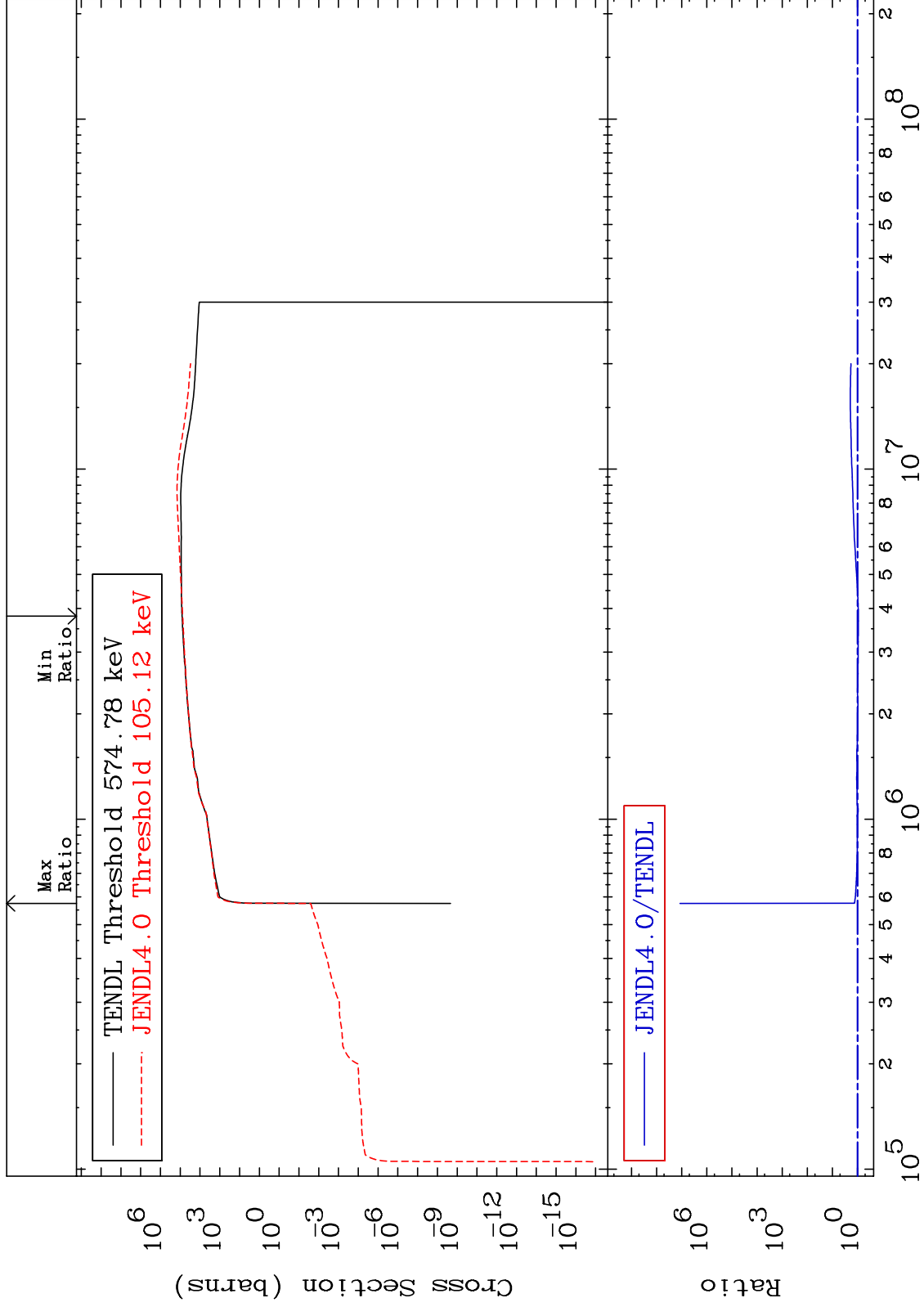
24-Cr-53
-90.86 To 1476. %



MAT 2434

Dpa inelastic (mt51-91)
Cross Section

24-Cr-53
-7.606 To 9999. %



62

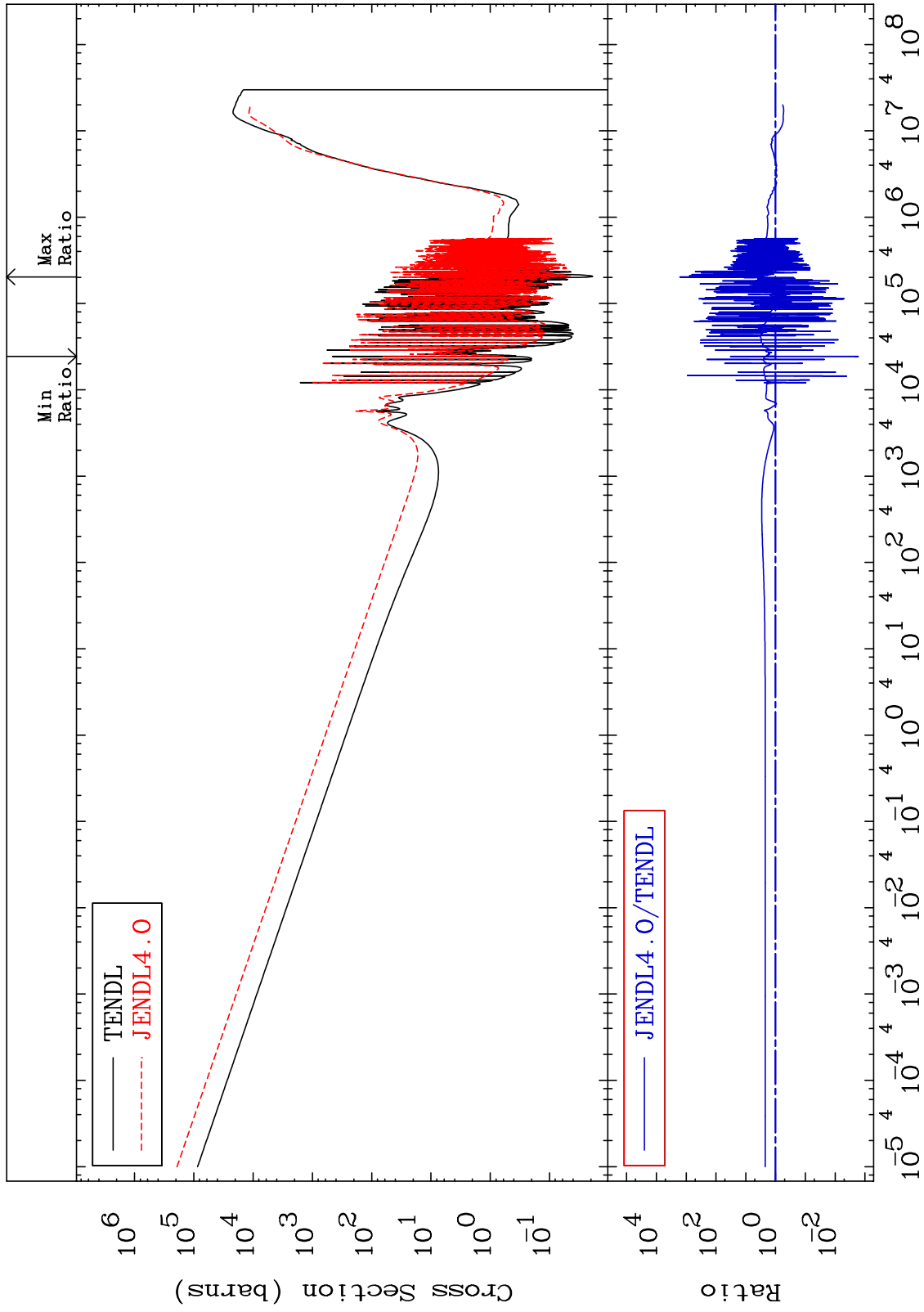
Incident Energy (eV)

24-Cr-53

MAT 2434

Dpa disappearance (mt102 -120)
Cross Section

24-Cr-53
-99.83 To 9999. %



63

Incident Energy (eV)

24-Cr-53