

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

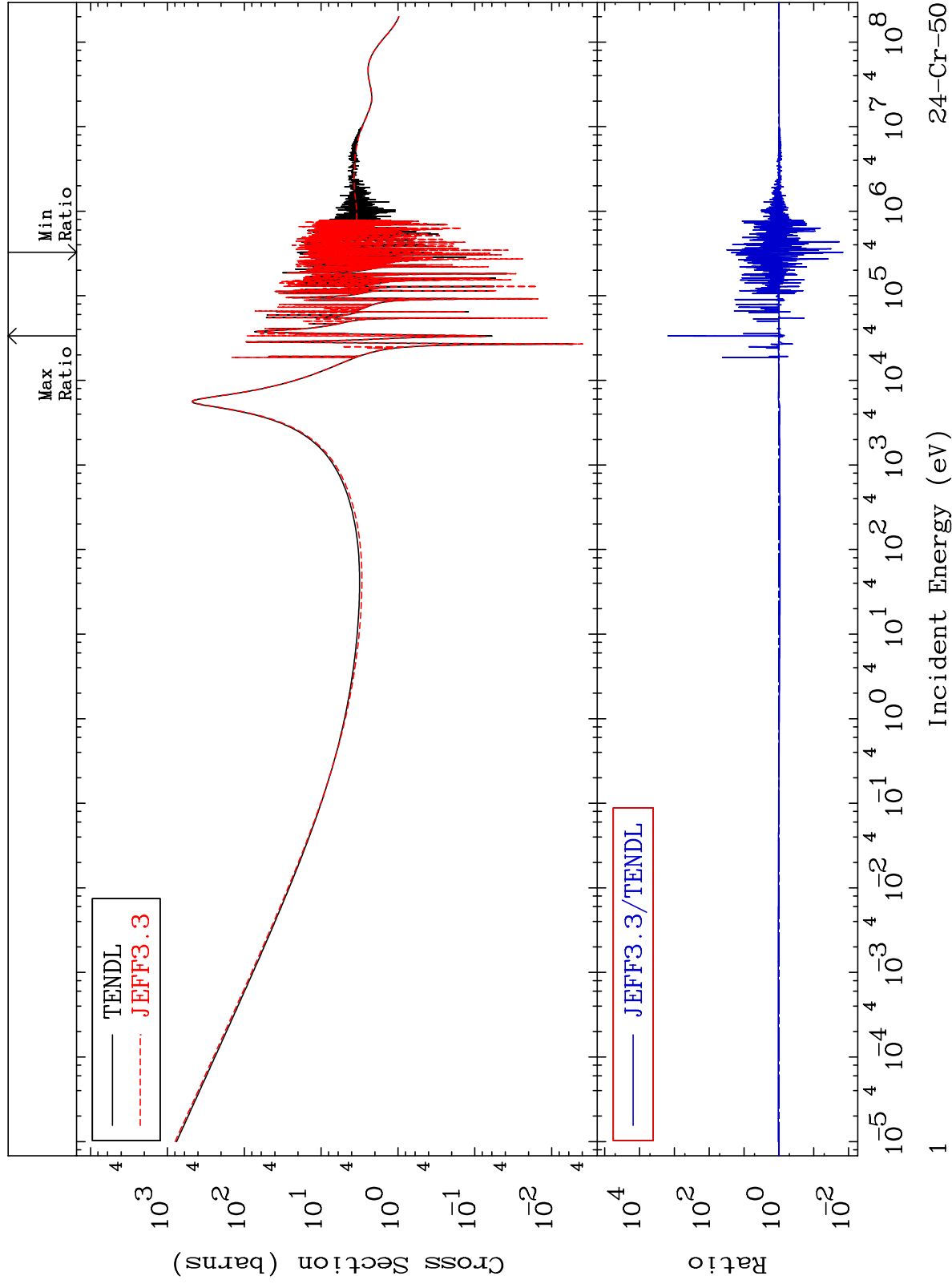
MAT 2425

Total

24-Cr-50

Cross Section

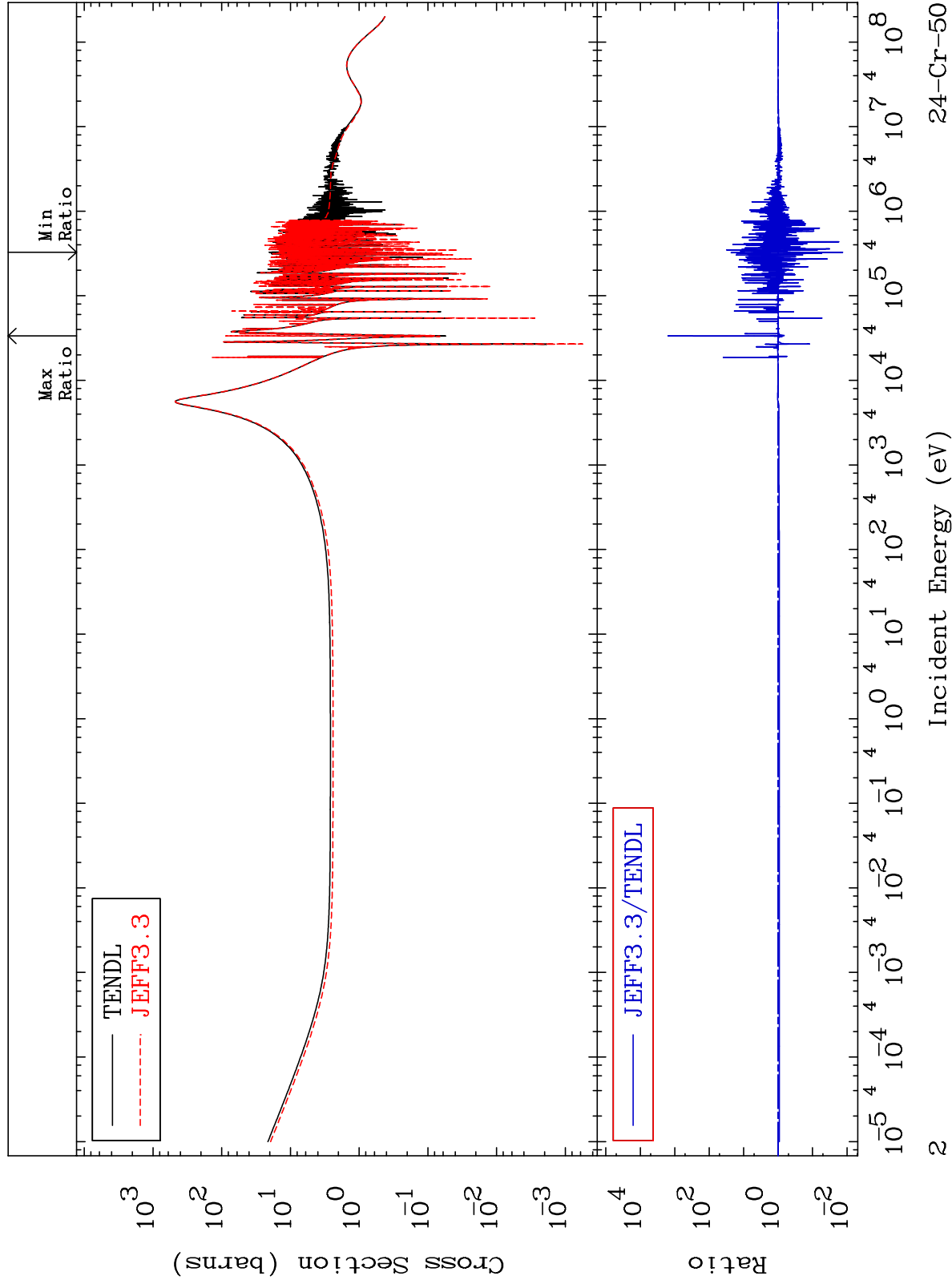
-98.54 To 9999. %



MAT 2425

Elastic
Cross Section

24-Cr-50
-98.68 To 9999. %



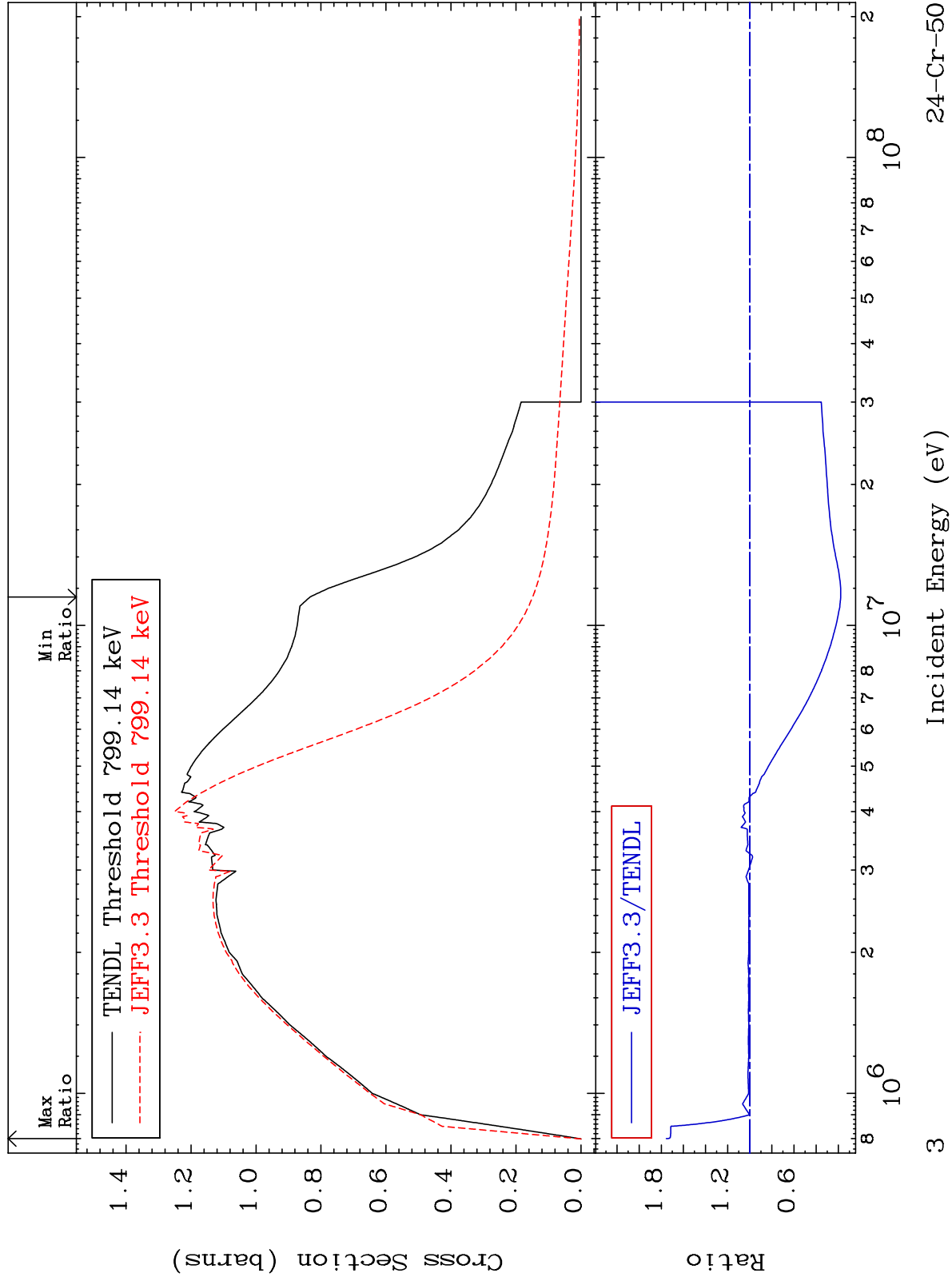
24-Cr-50

2

MAT 2425

Inelastic
Cross Section

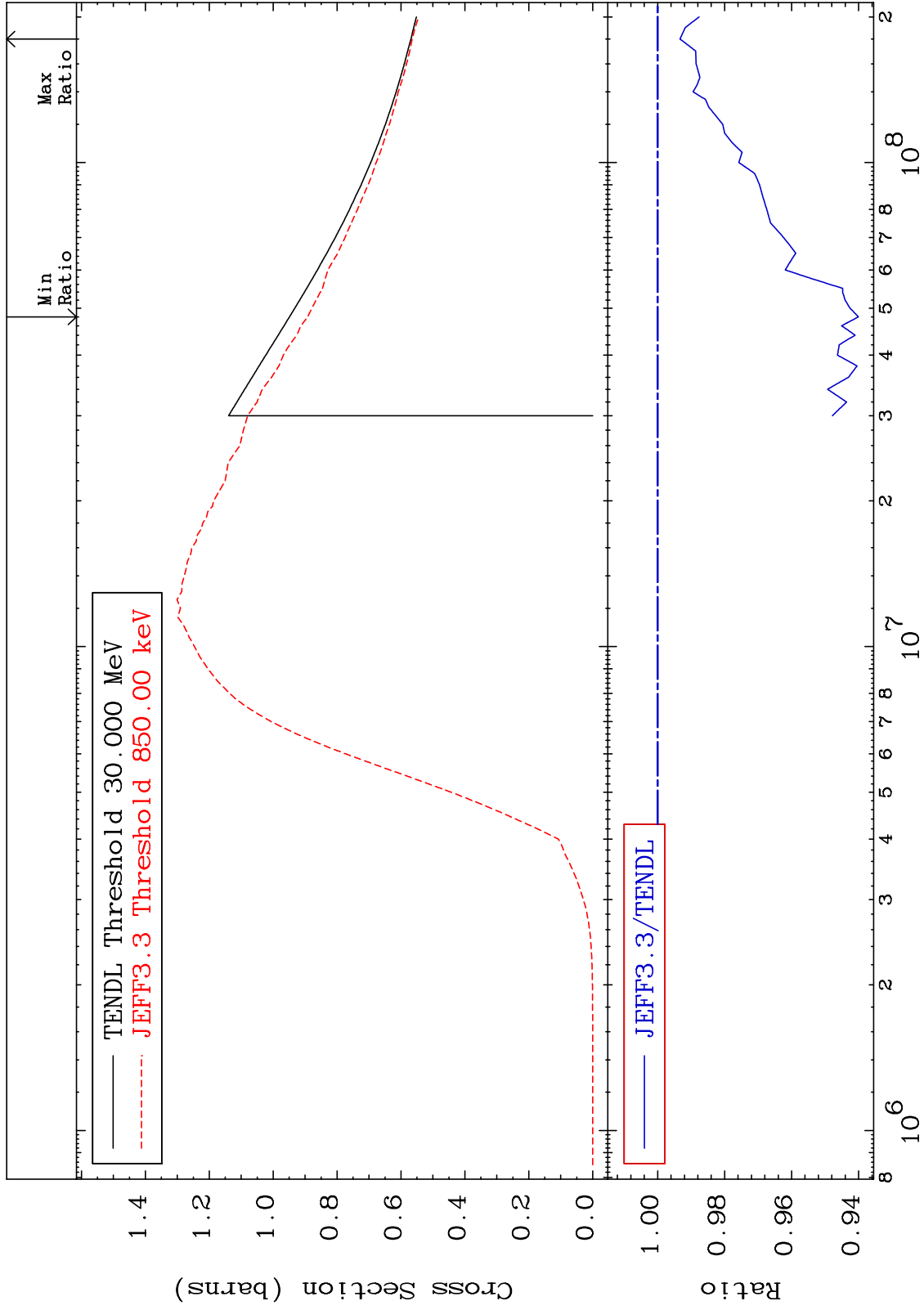
24-Cr-50
-82.20 To 75.42 %



MAT 2425

(n, remainder)
Cross Section

24-Cr-50
-5.994 To -0.668%



24-Cr-50

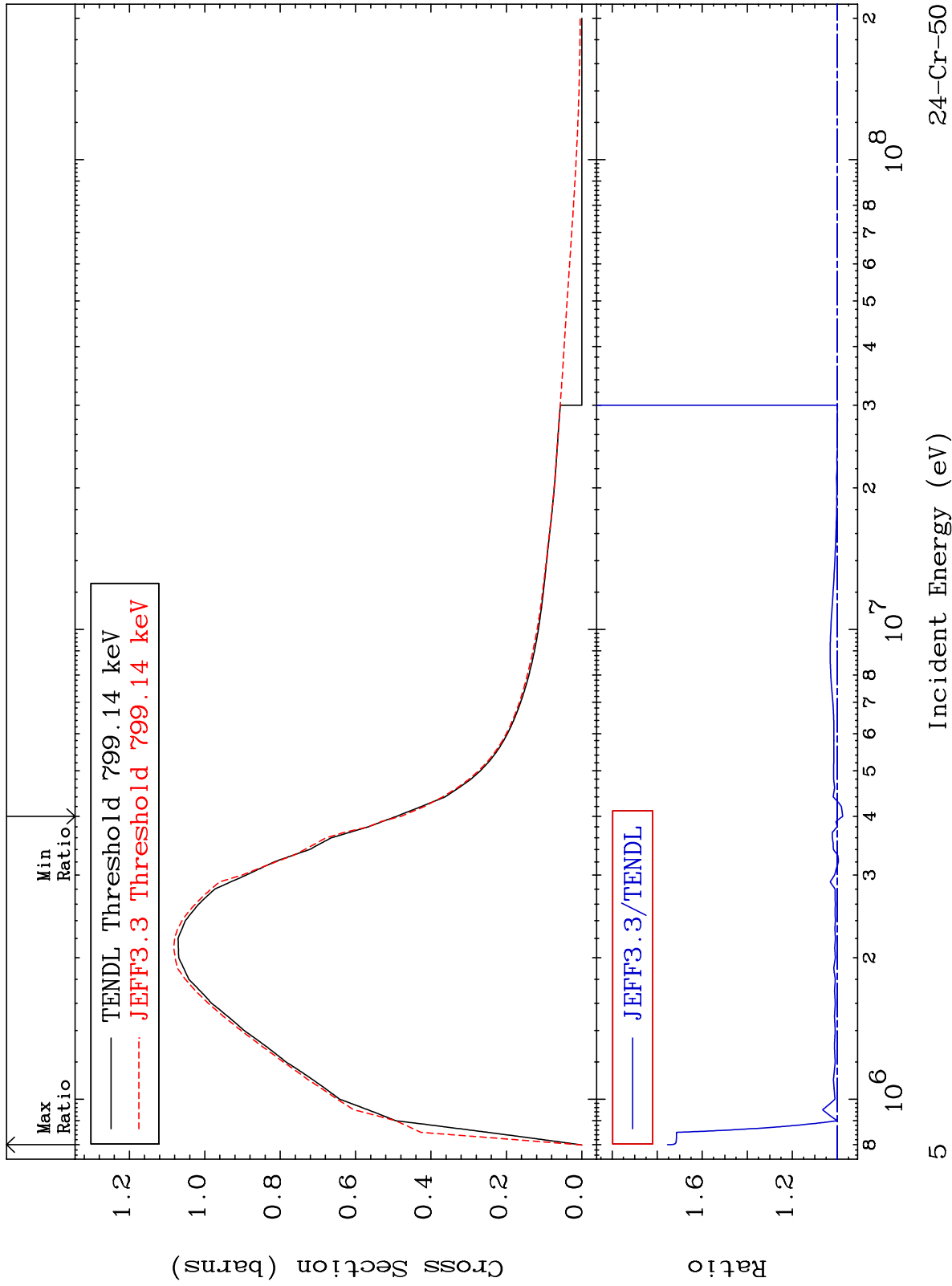
24-Cr-50

4

MAT 2425

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

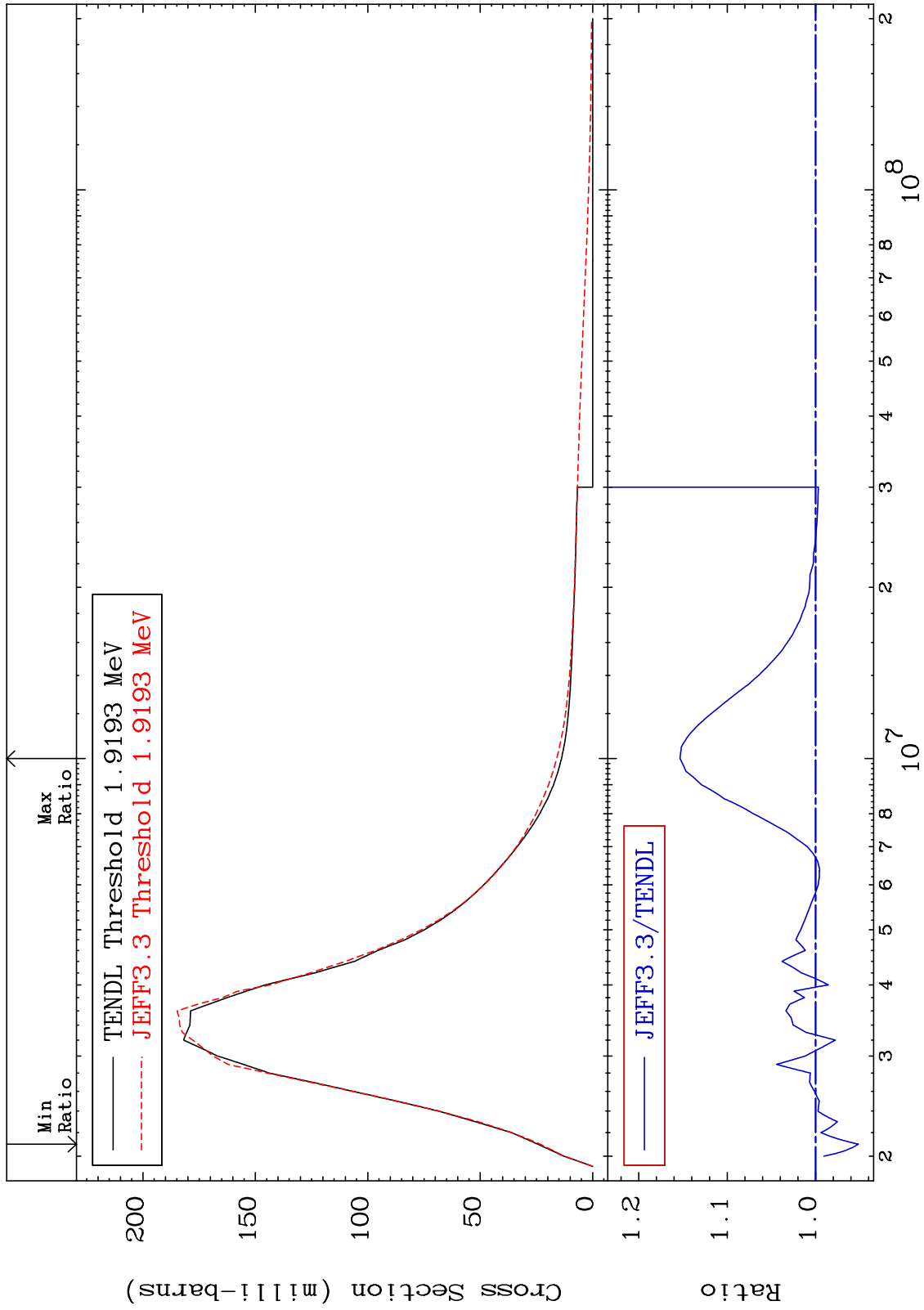
24-Cr-50
-2.379 To 75.42 %



MAT 2425

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

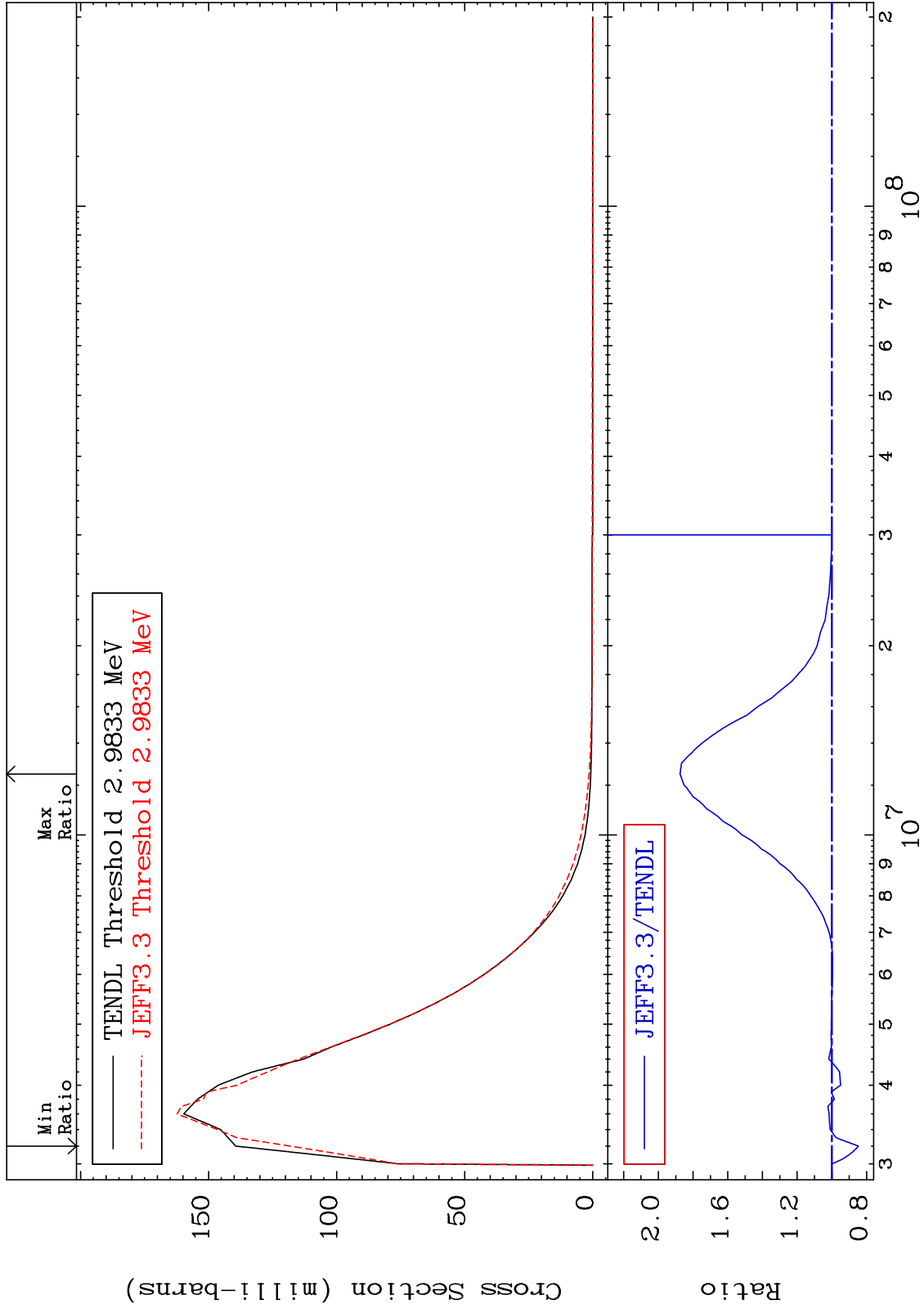
24-Cr-50
-4.842 To 15.34 %



MAT 2425

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

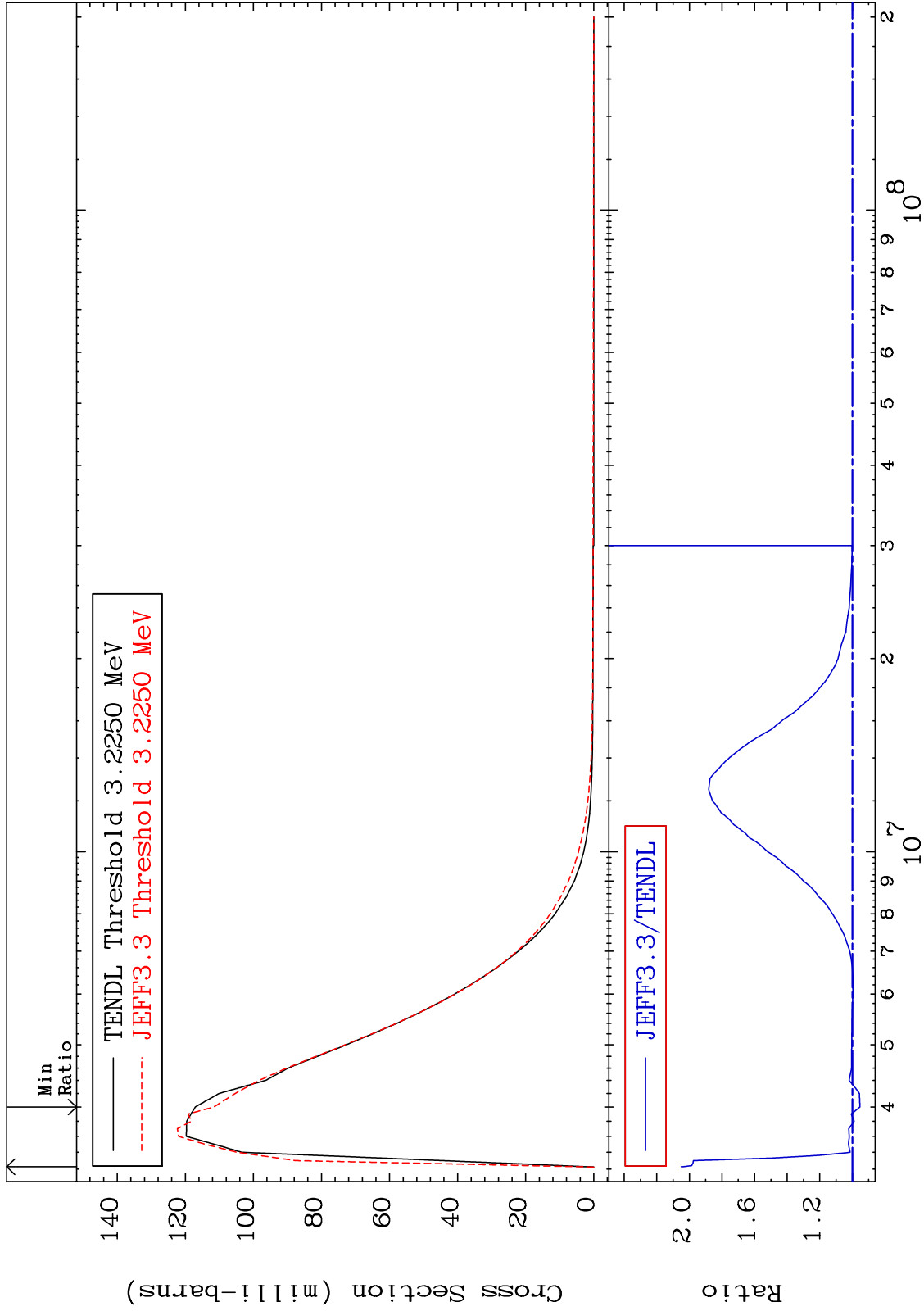
24-Cr-50
-15.30 To 87.52 %



MAT 2425

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

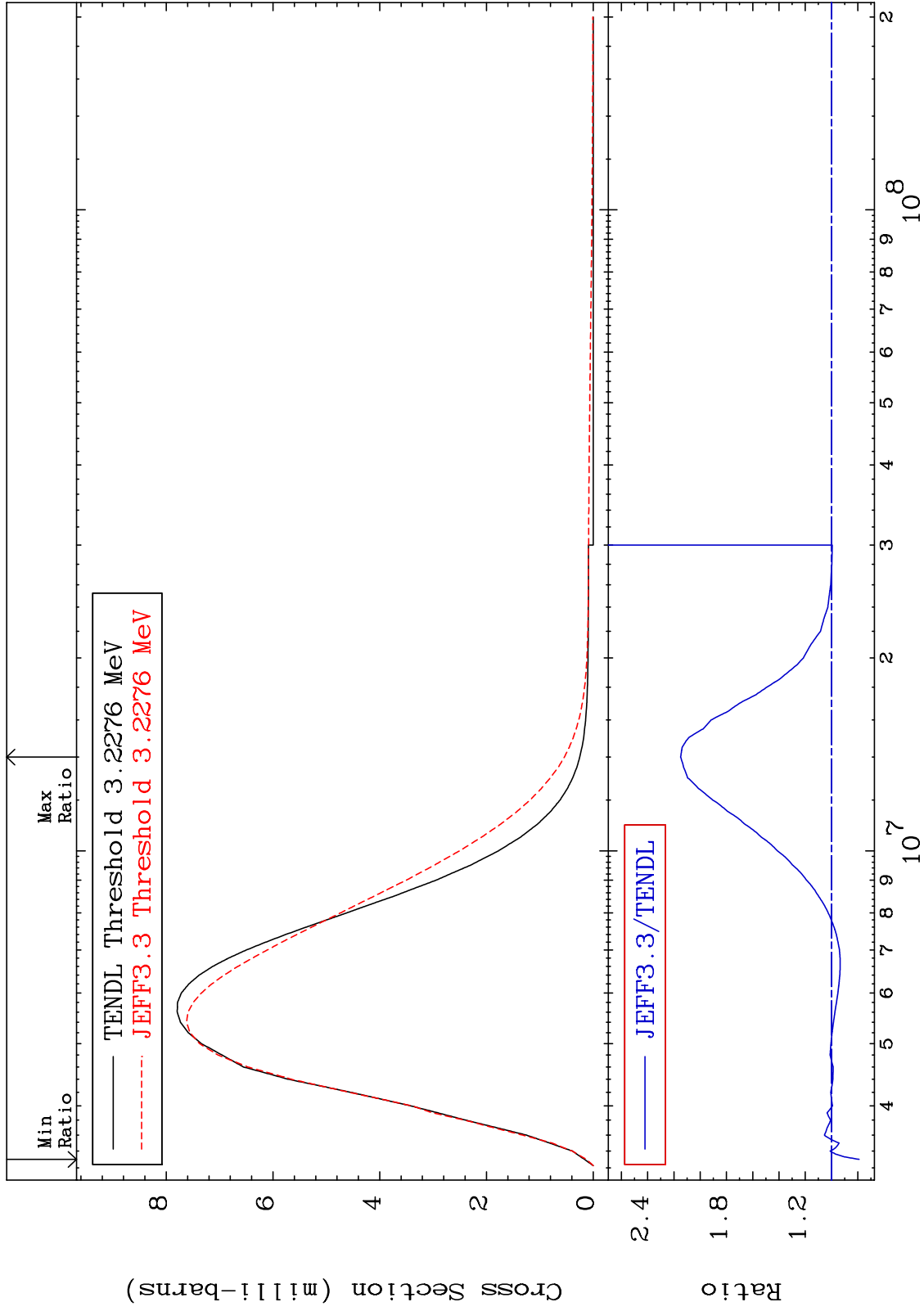
24-Cr-50
-4.650 To 105.0 %



MAT 2425

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

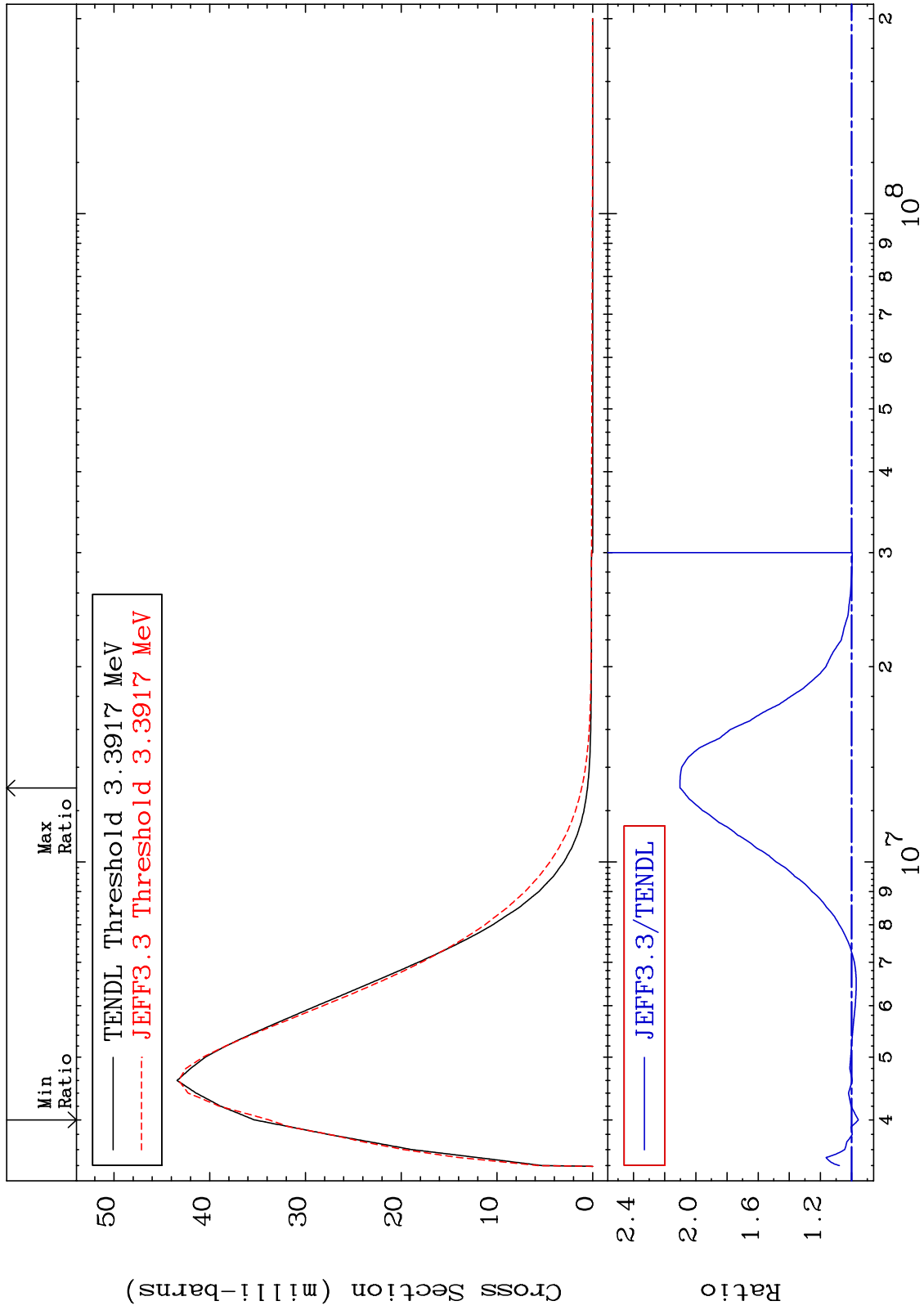
24-Cr-50
-21.06 To 114.9 %



MAT 2425

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

24-Cr-50
-4.356 To 110.2 %



10

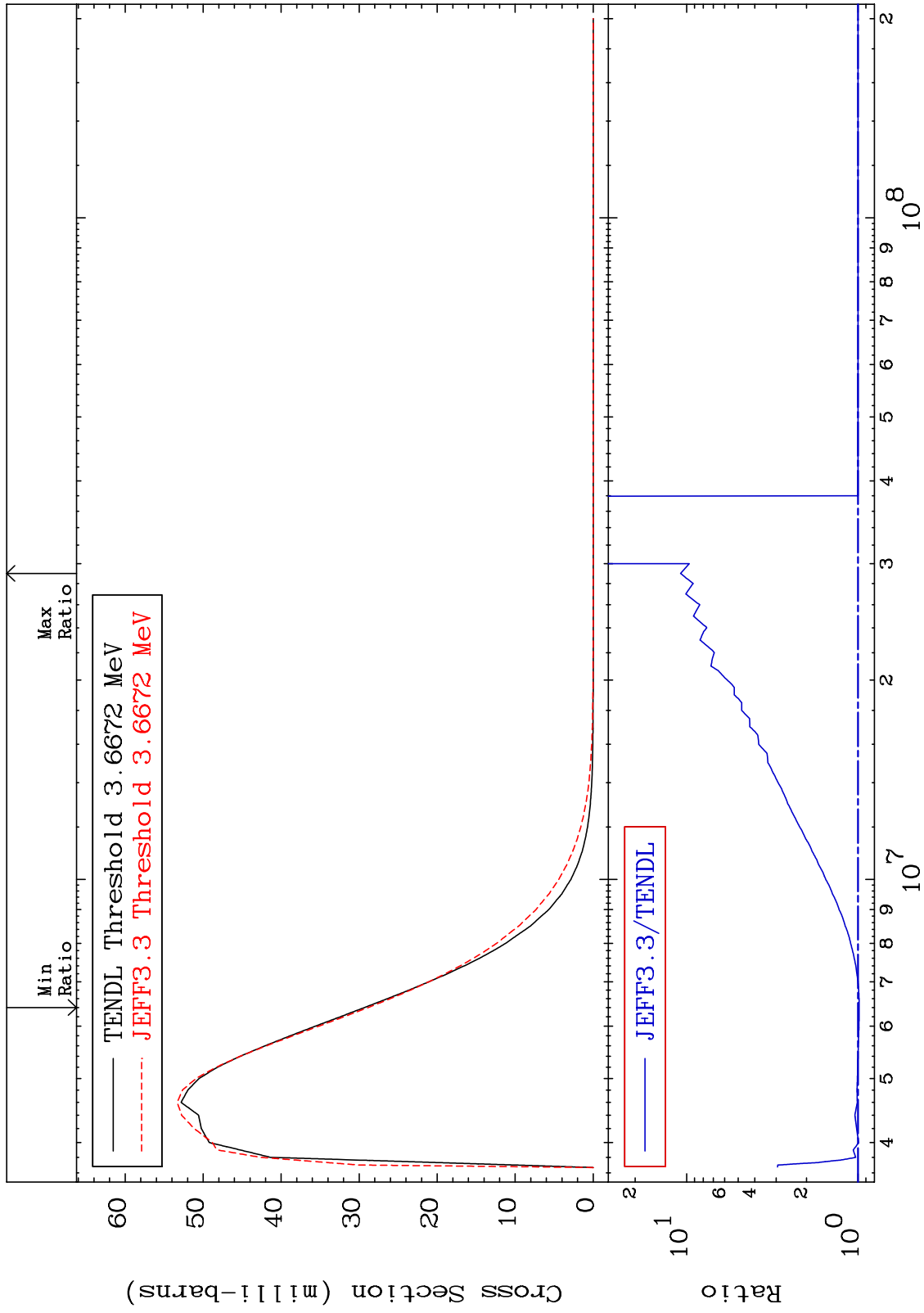
Incident Energy (eV)

24-Cr-50

MAT 2425

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

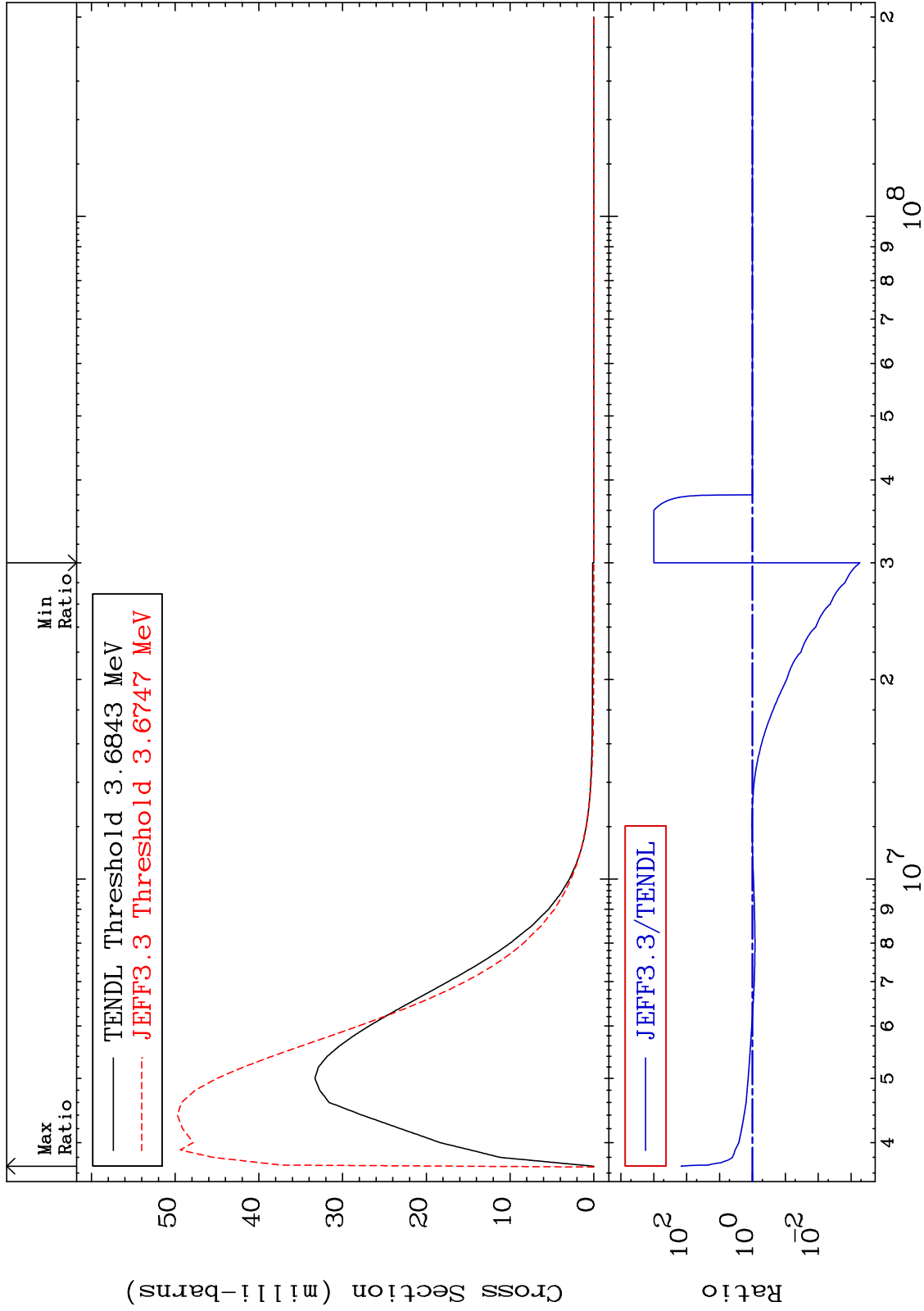
24-Cr-50
-1.584 To 985.7 %



MAT 2425

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

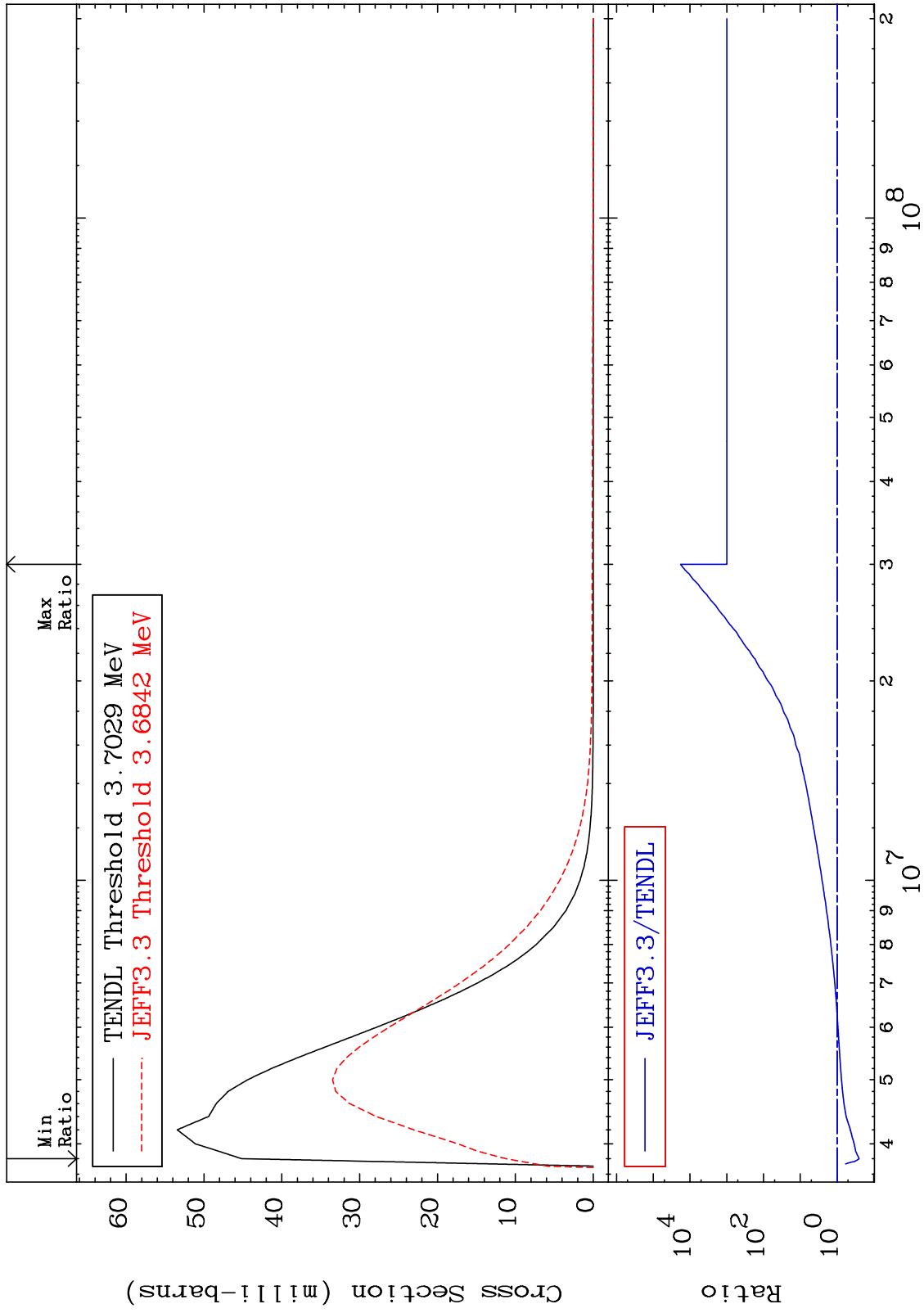
24-Cr-50
-99.95 To 9999. %



MAT 2425

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

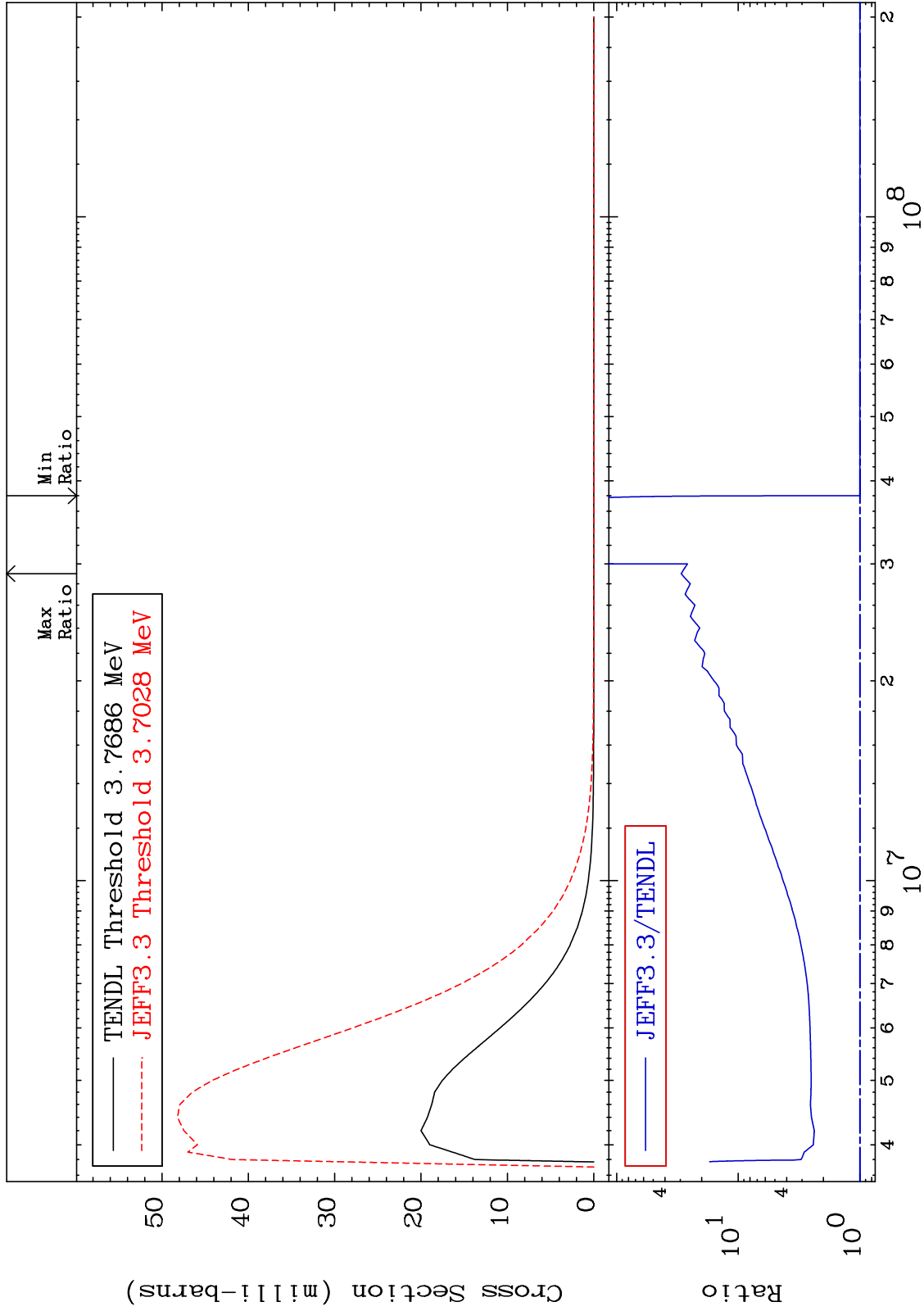
24-Cr-50
-75.10 To 9999. %



MAT 2425

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

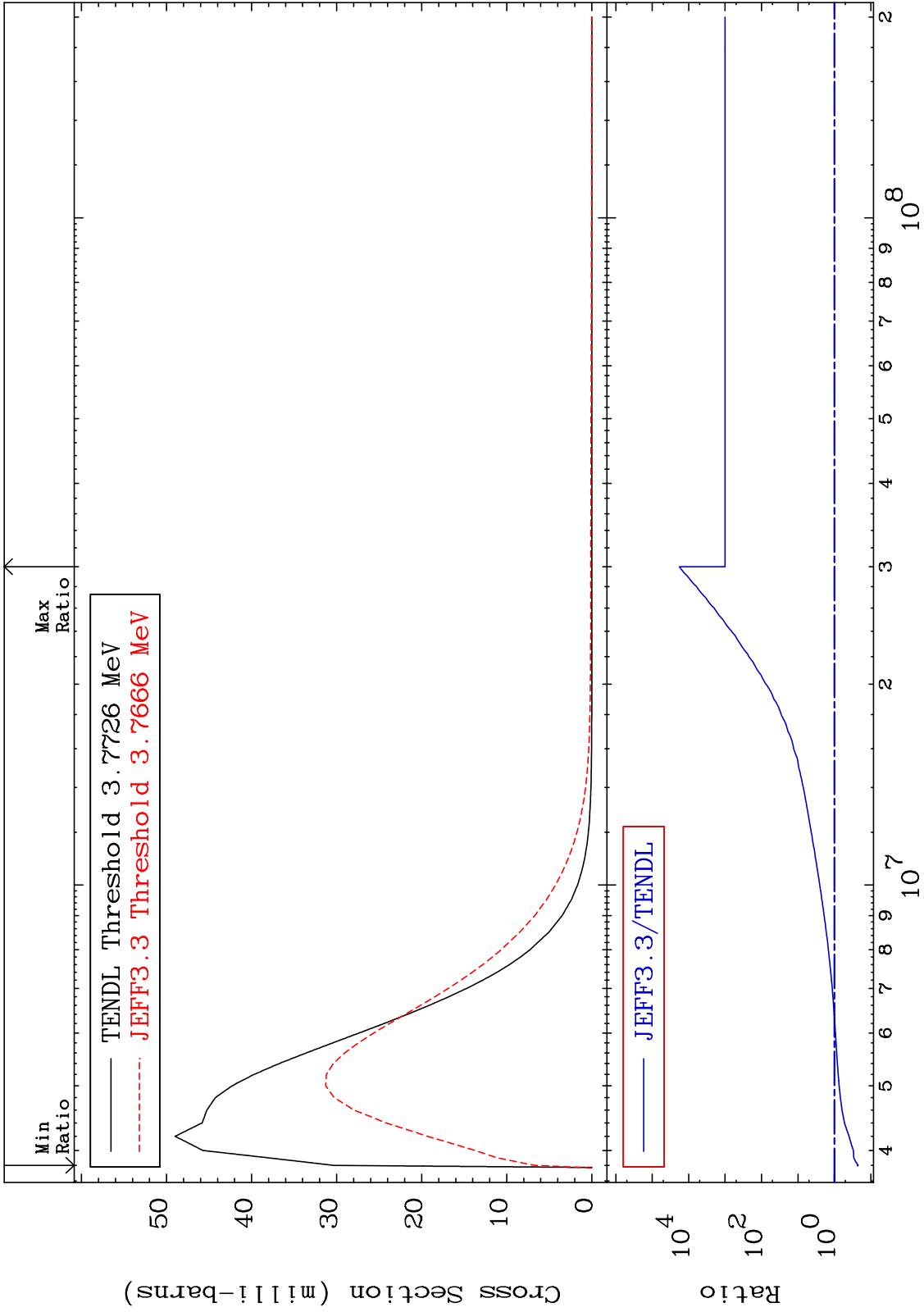
24-Cr-50
0.000 To 2845. %



MAT 2425

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

24-Cr-50
-77.87 To 9999. %



15

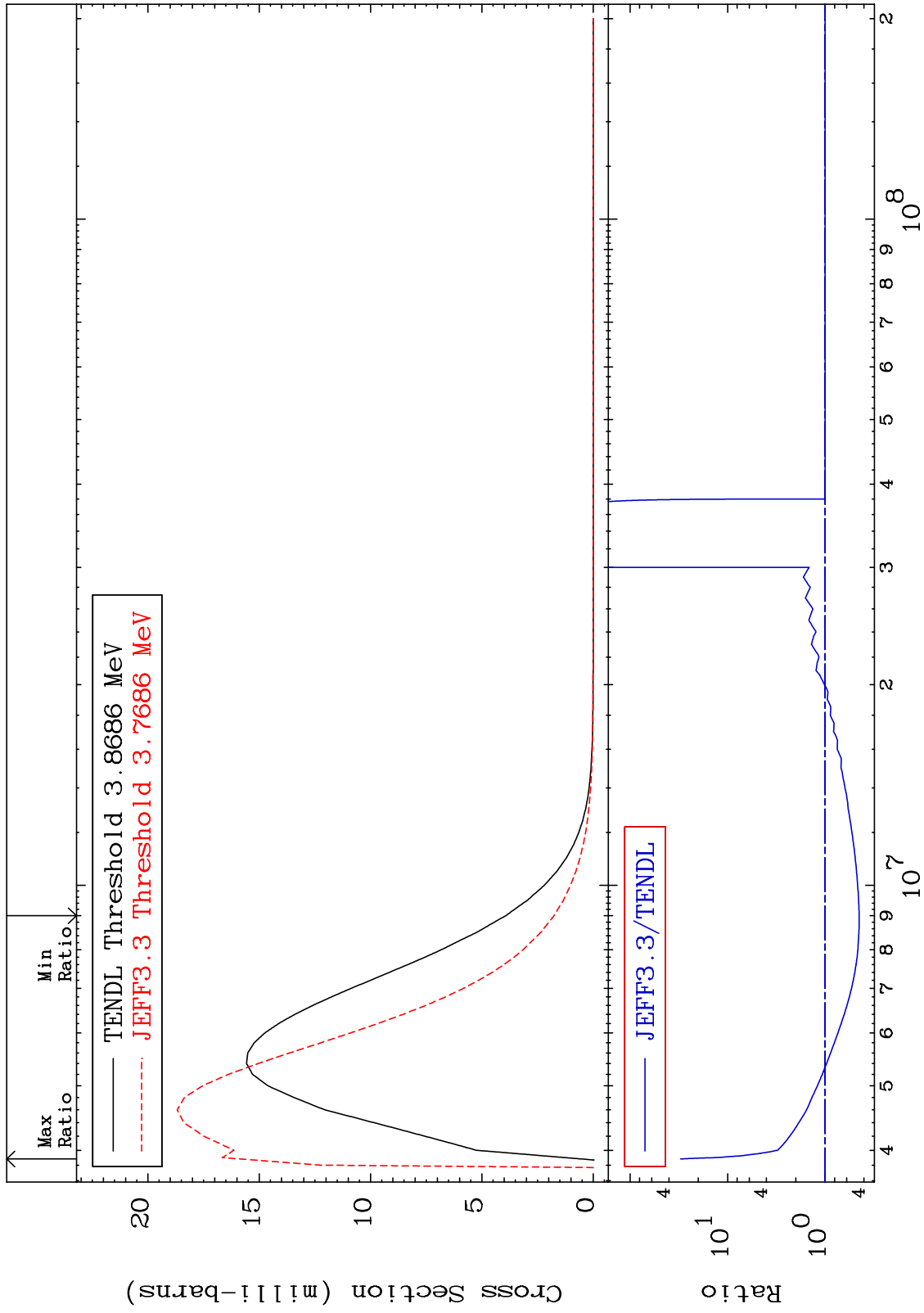
Incident Energy (eV)

24-Cr-50

MAT 2425

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

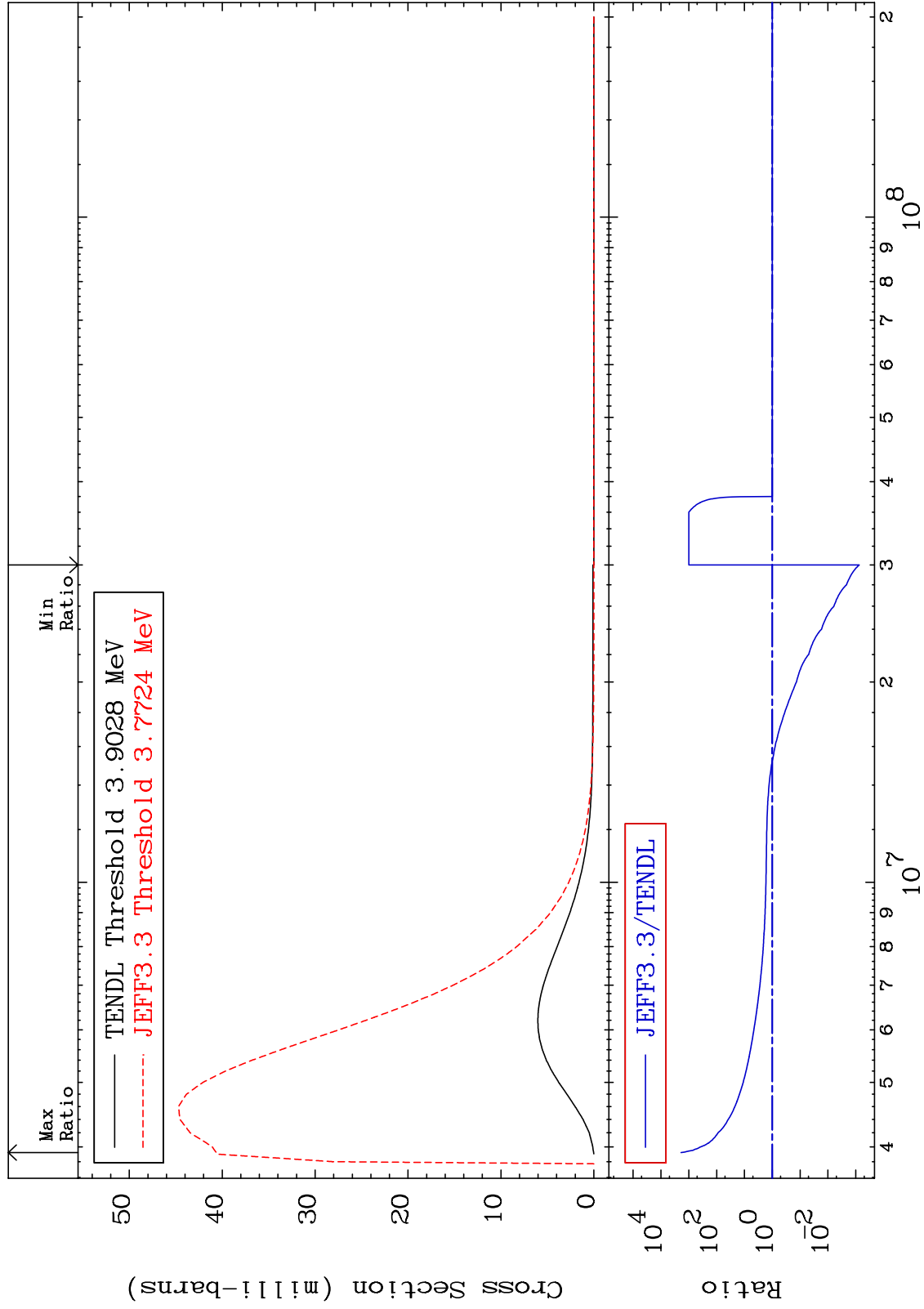
24-Cr-50
-55.22 To 2935. %



MAT 2425

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

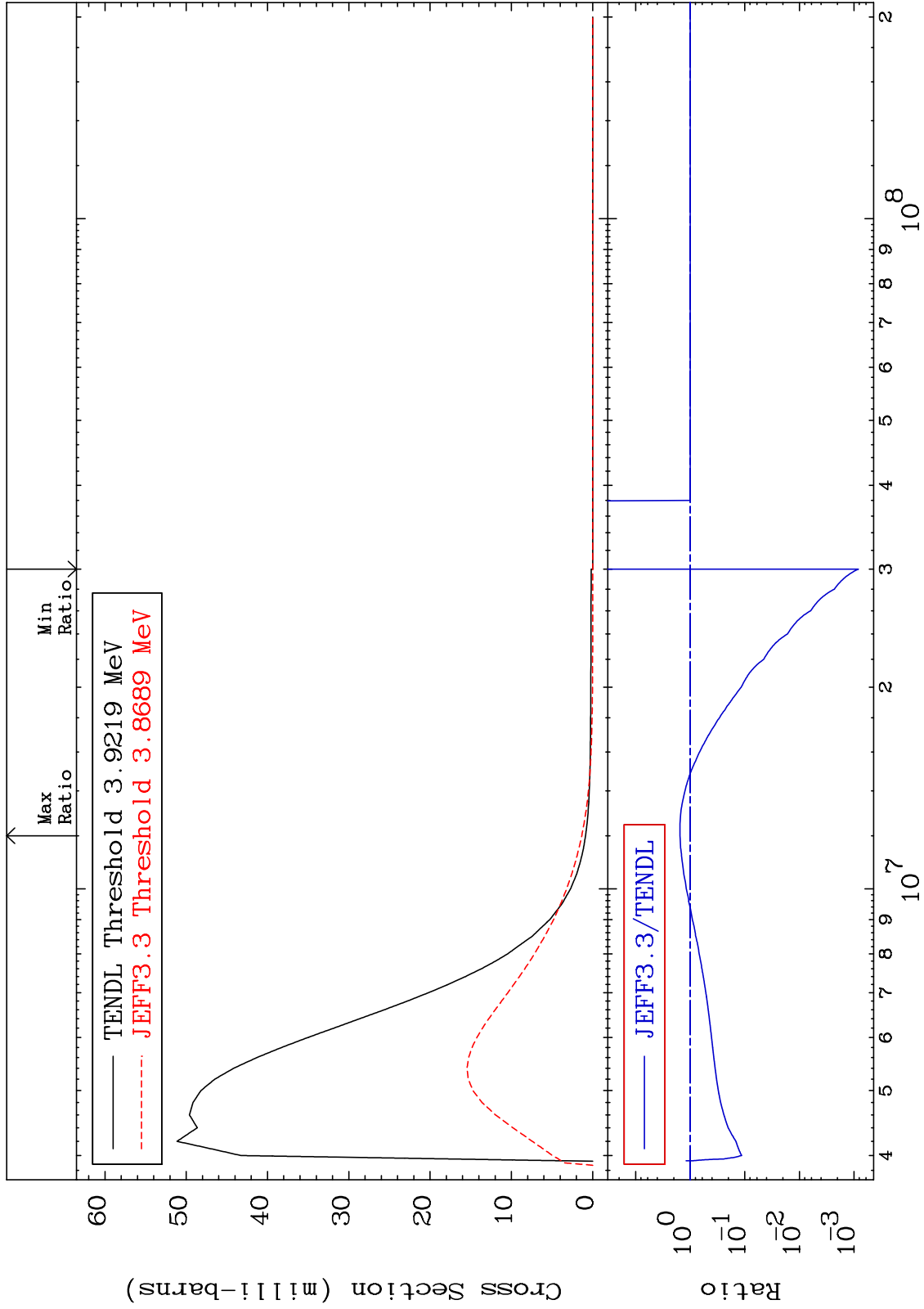
24-Cr-50
-99.93 To 9999. %



MAT 2425

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

24-Cr-50
-99.92 To 53.55 %



18

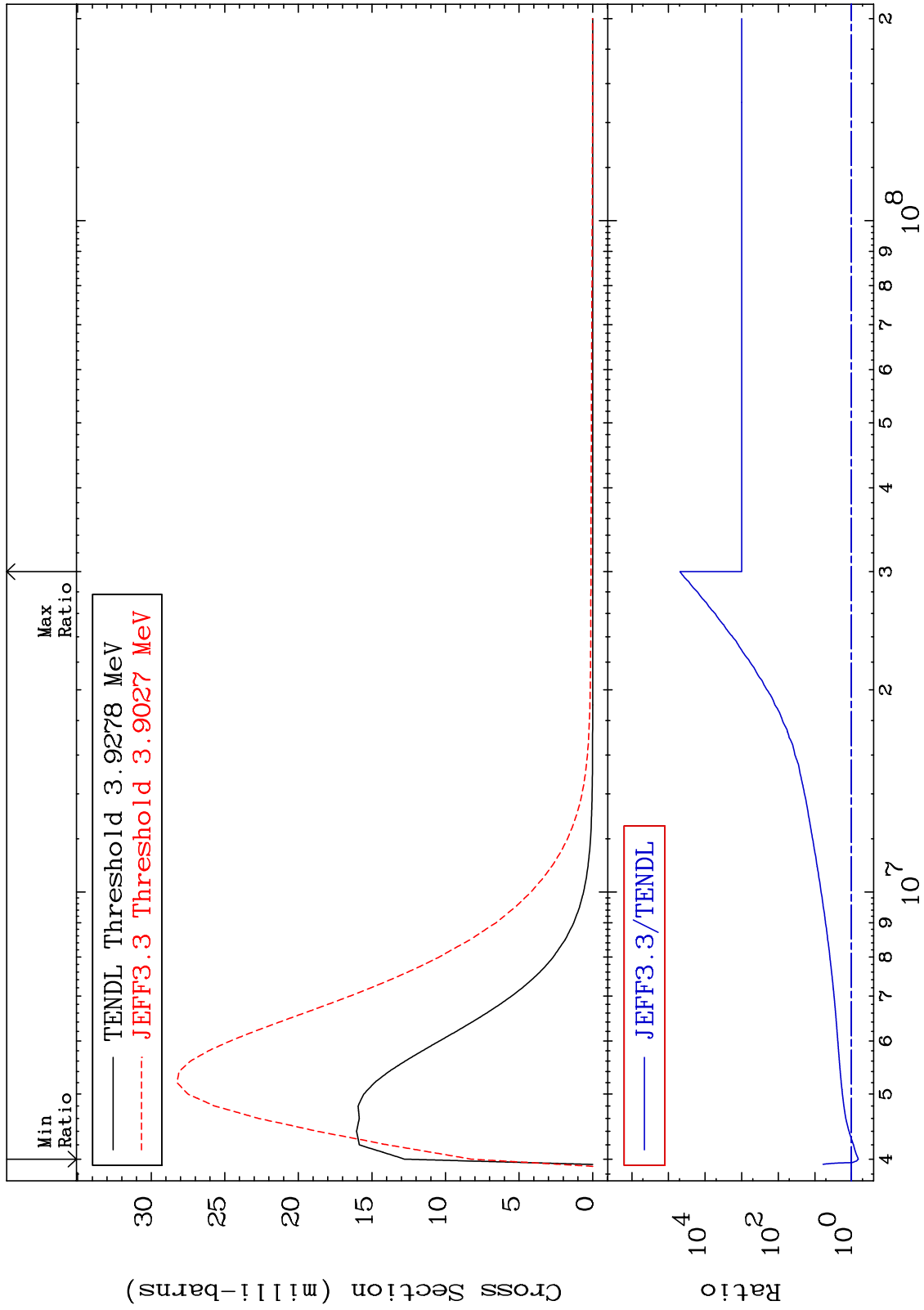
Incident Energy (eV)

24-Cr-50

MAT 2425

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

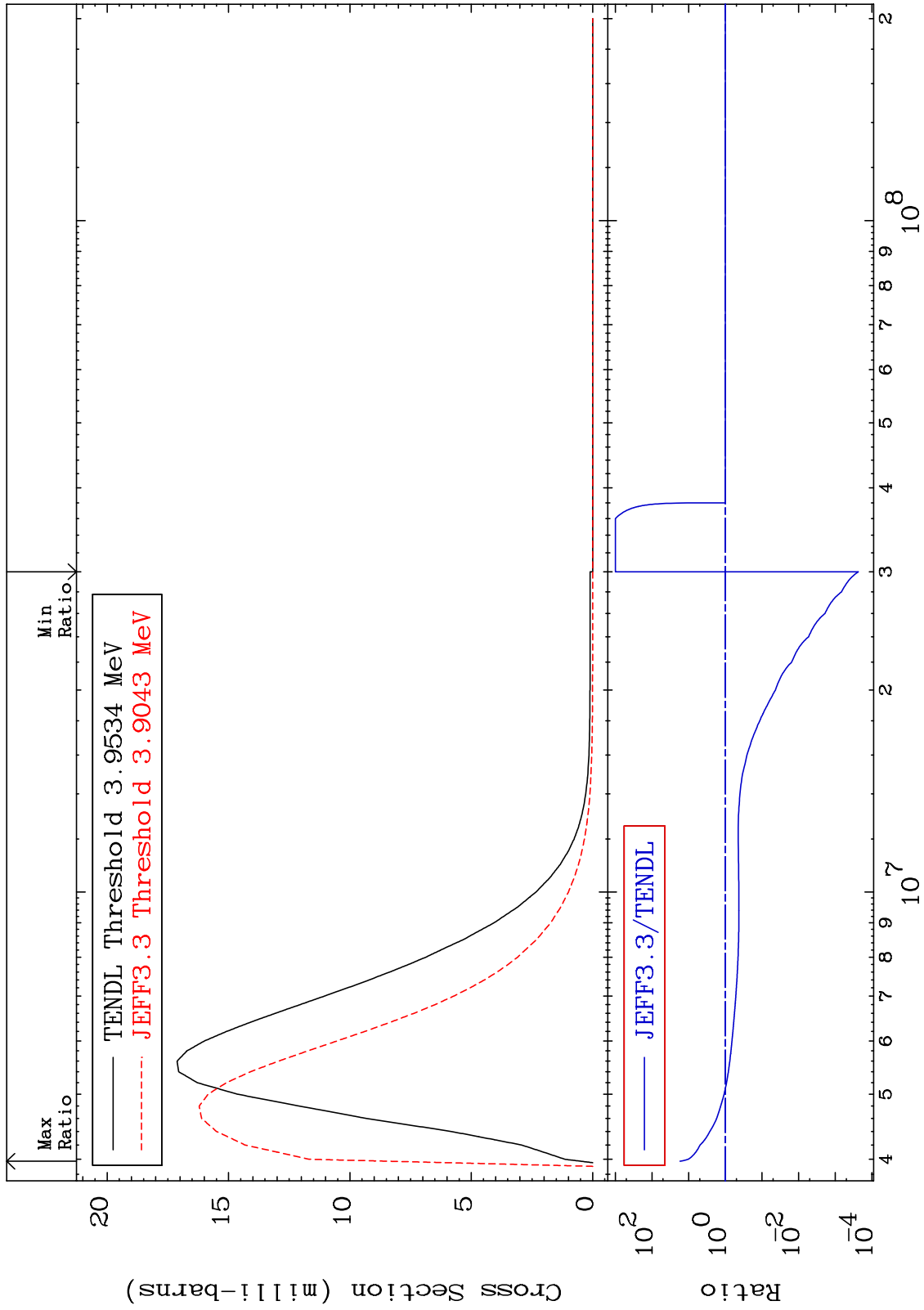
24-Cr-50
-35.41 To 9999. %



MAT 2425

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

24-Cr-50
-99.98 To 1621. %



20

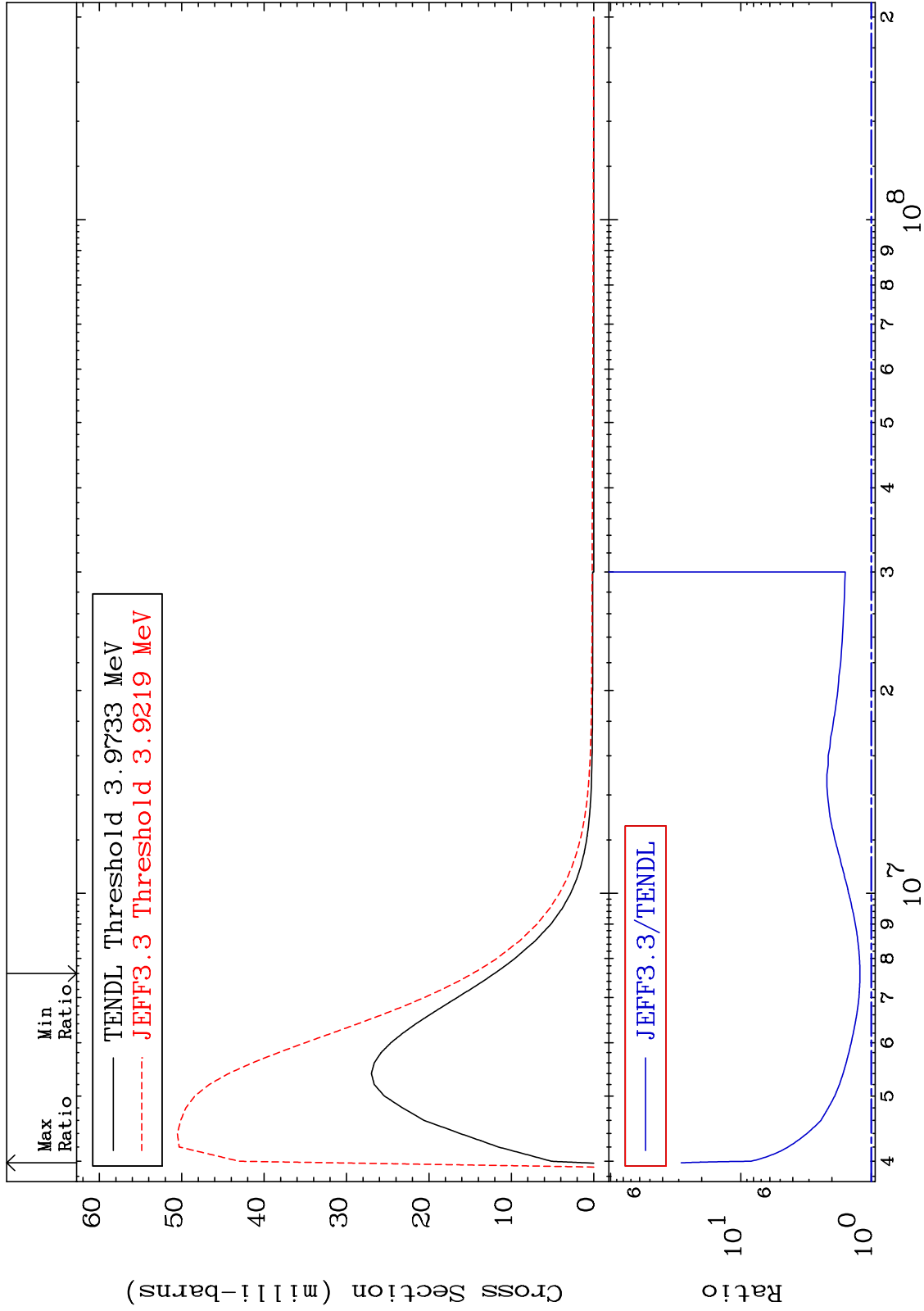
Incident Energy (eV)

24-Cr-50

MAT 2425

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

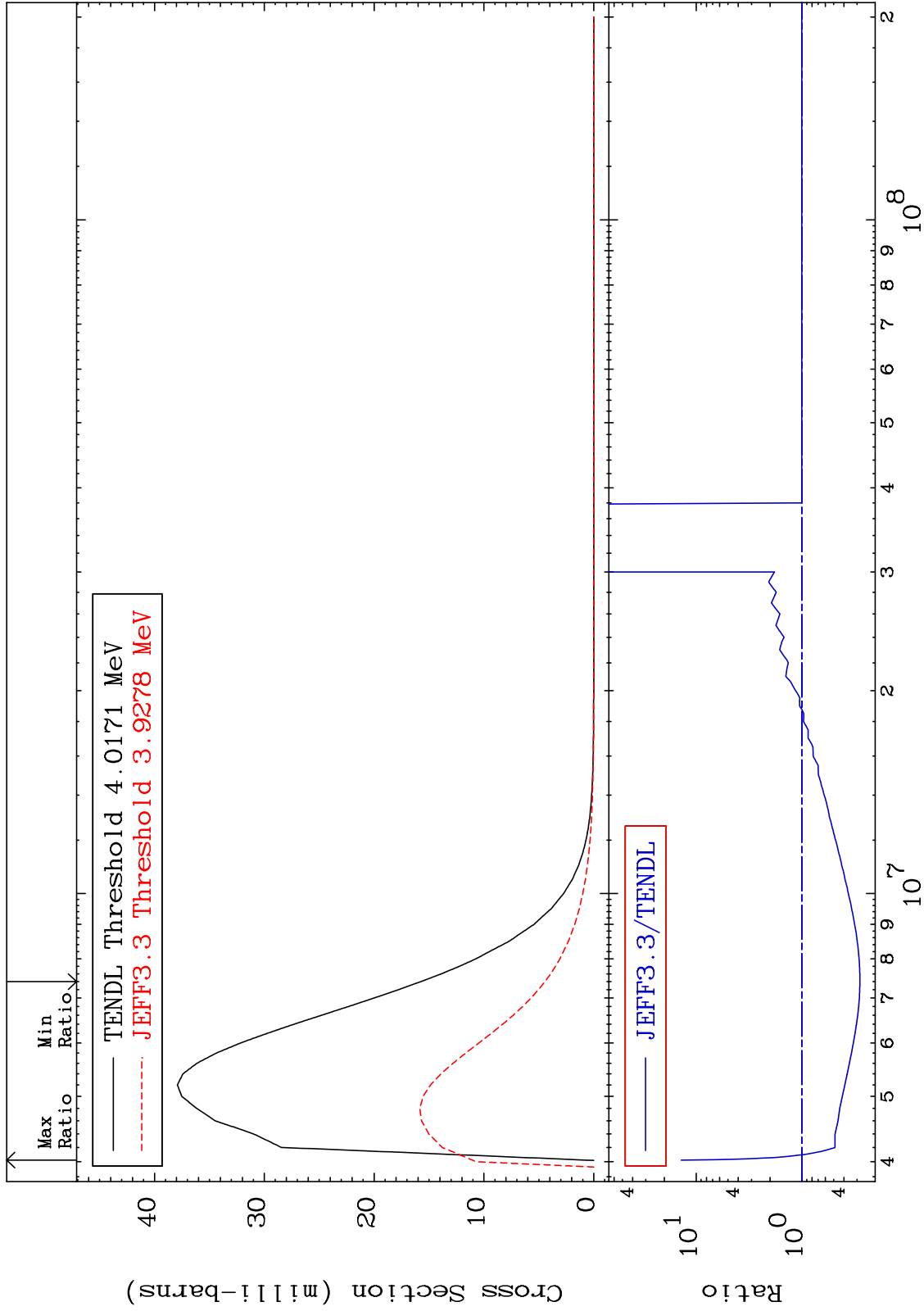
21.95 To 2773. %
24-Cr-50



MAT 2425

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

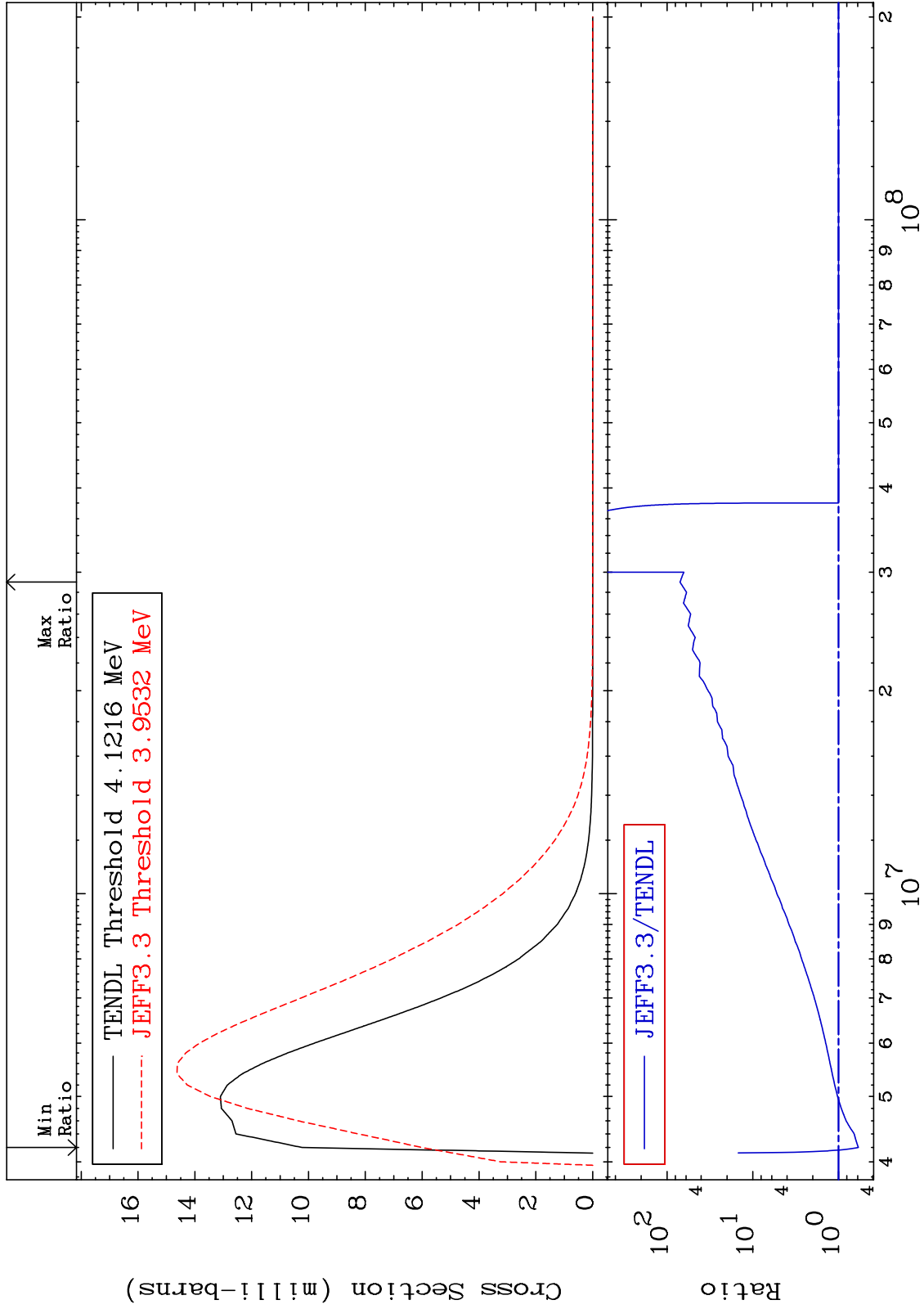
24-Cr-50
-71.80 To 1286. %



MAT 2425

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

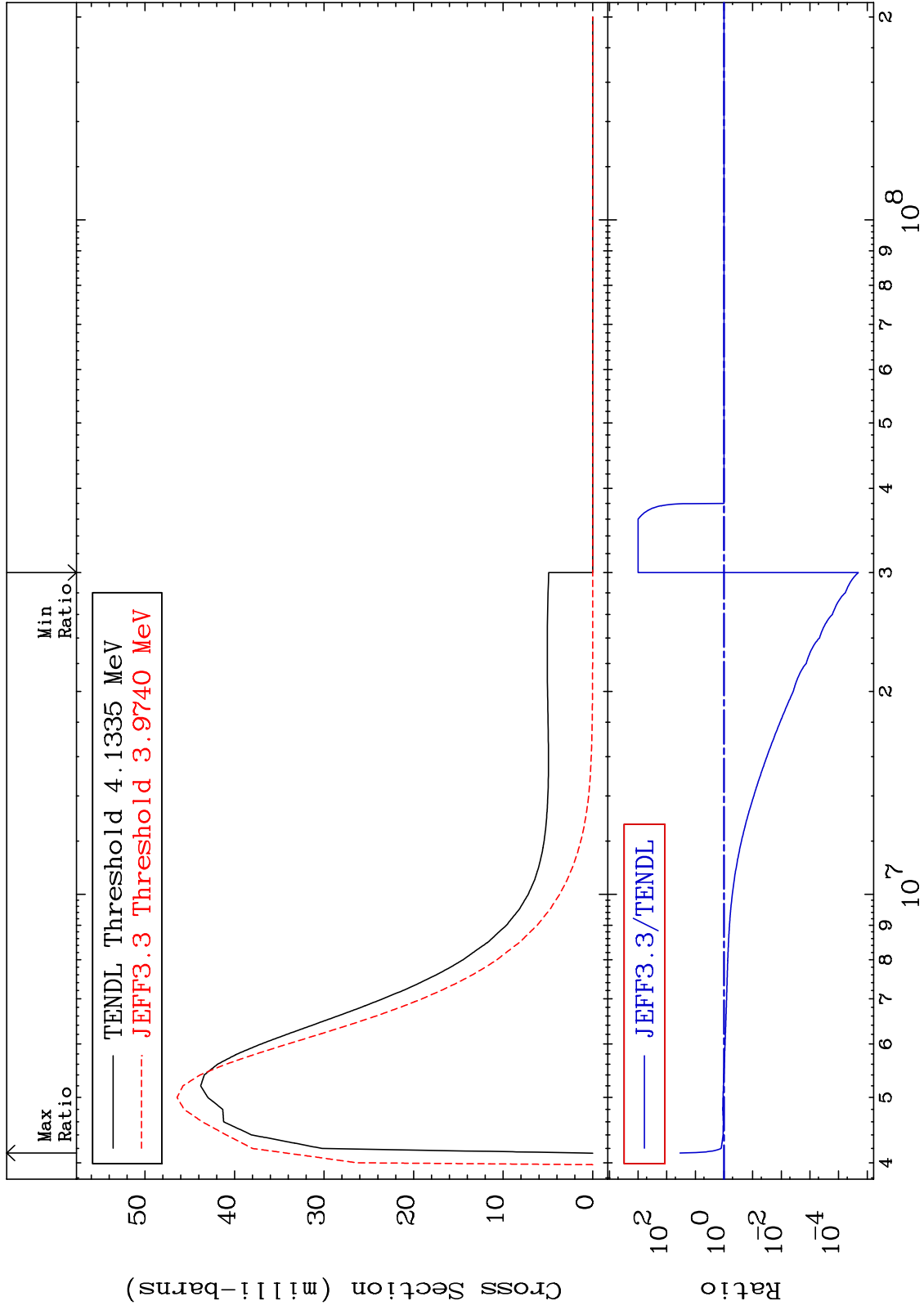
24-Cr-50
-41.27 To 6956. %



MAT 2425

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

24-Cr-50
-100.0 To 3330. %



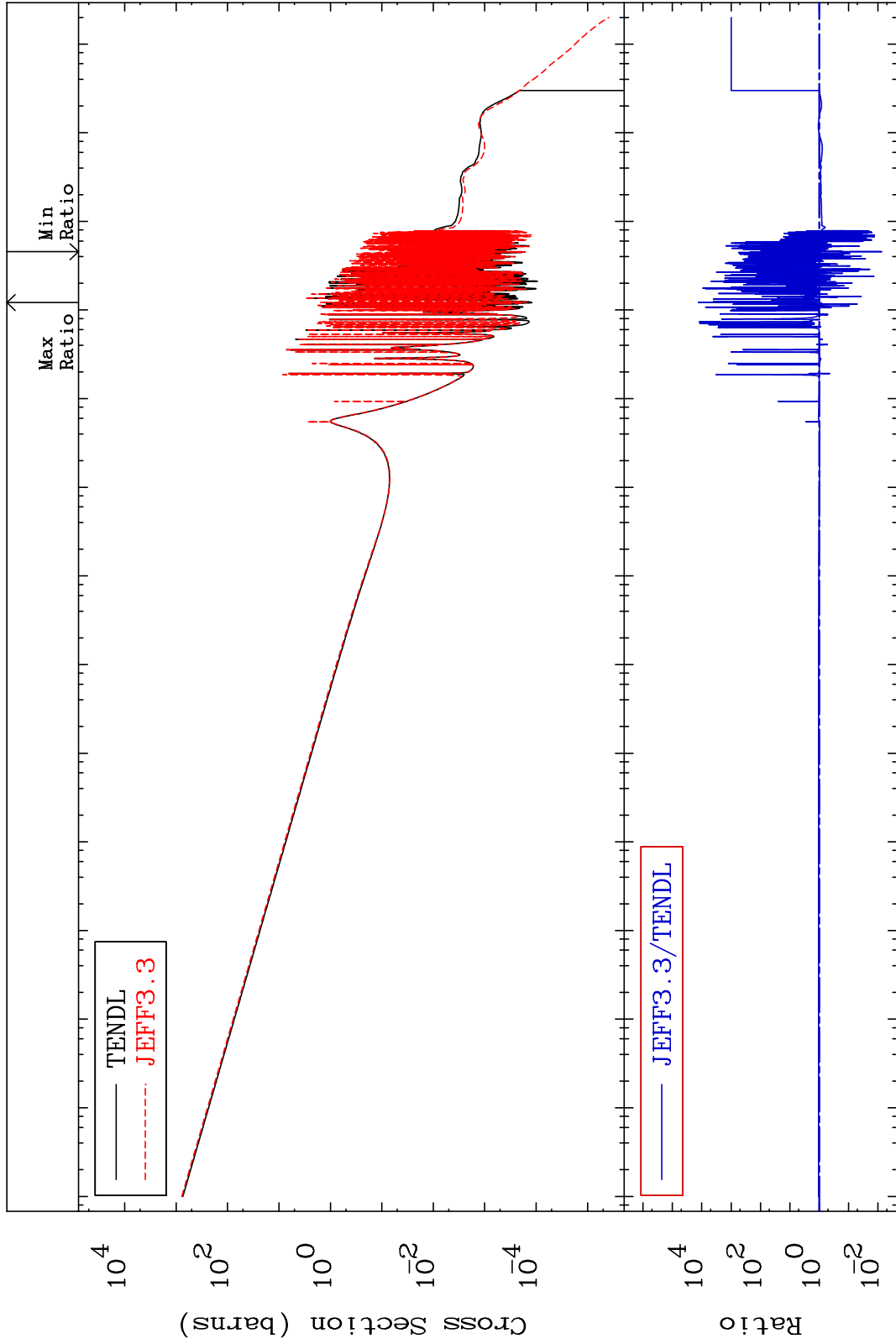
MAT 2425

(n, γ)

24-Cr-50

Cross Section

-99.25 To 9999. %

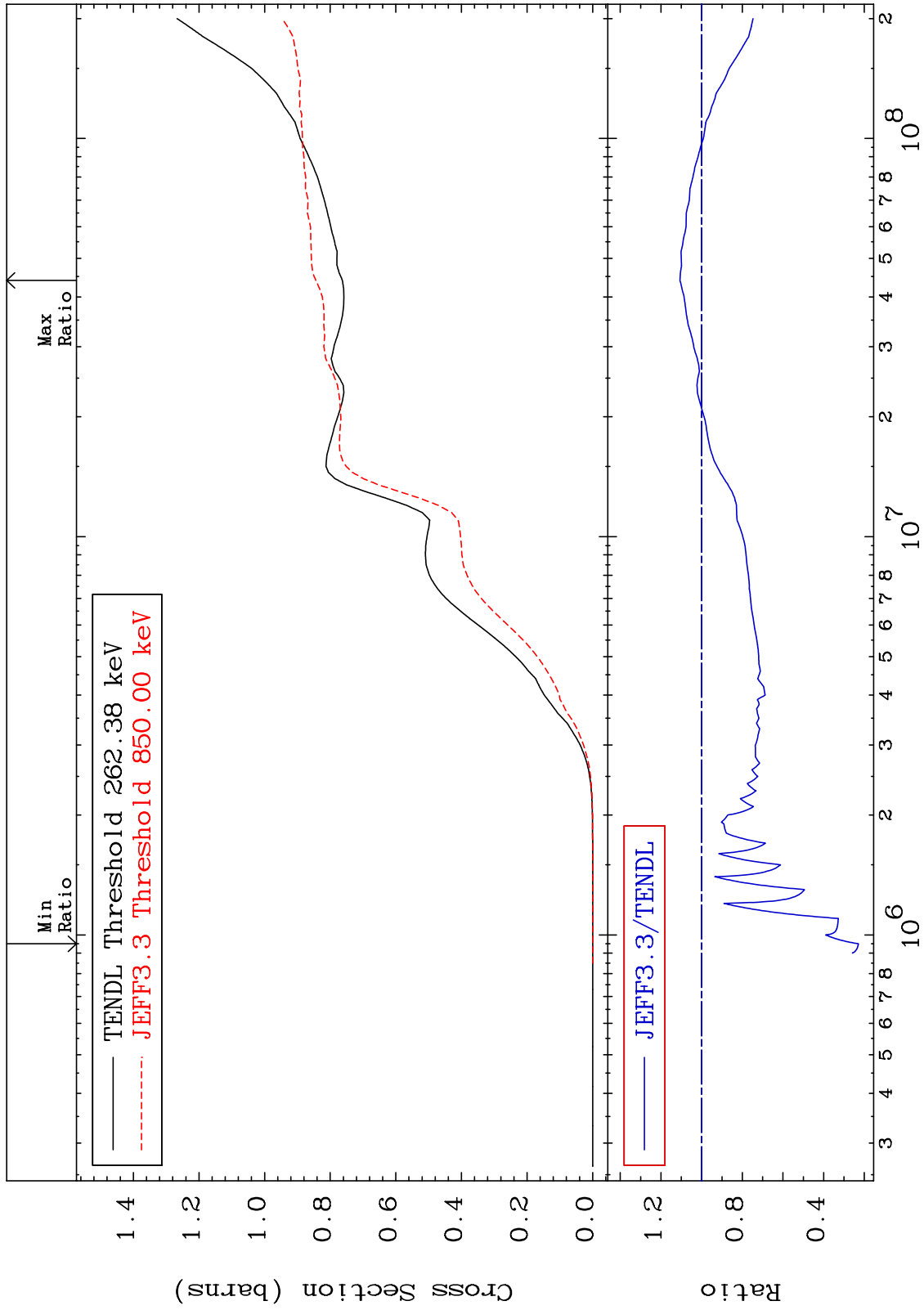


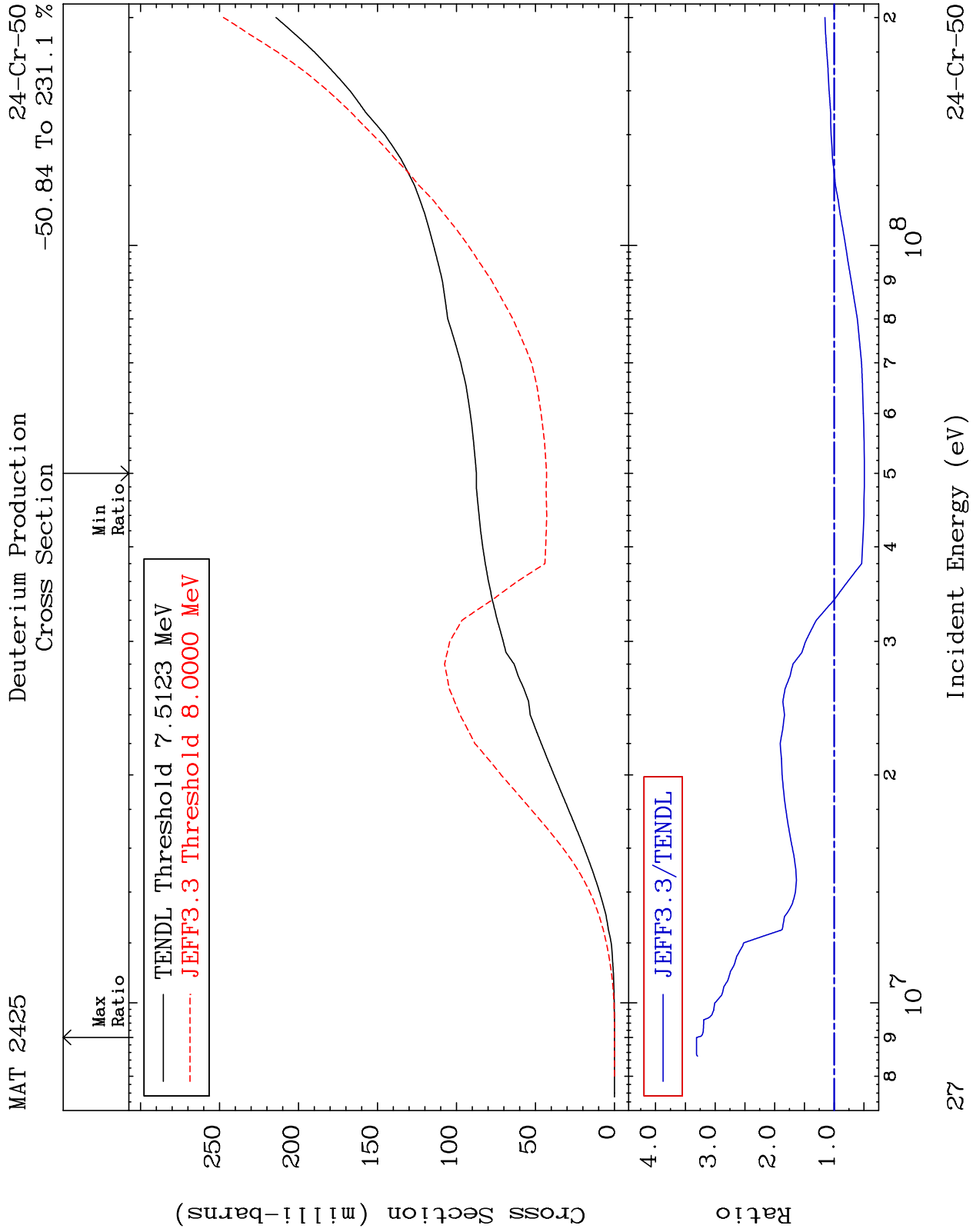
Incident Energy (eV) 24-Cr-50

MAT 2425

Hydrogen Production Cross Section

24-Cr-50
-77.08 To 10.63 %

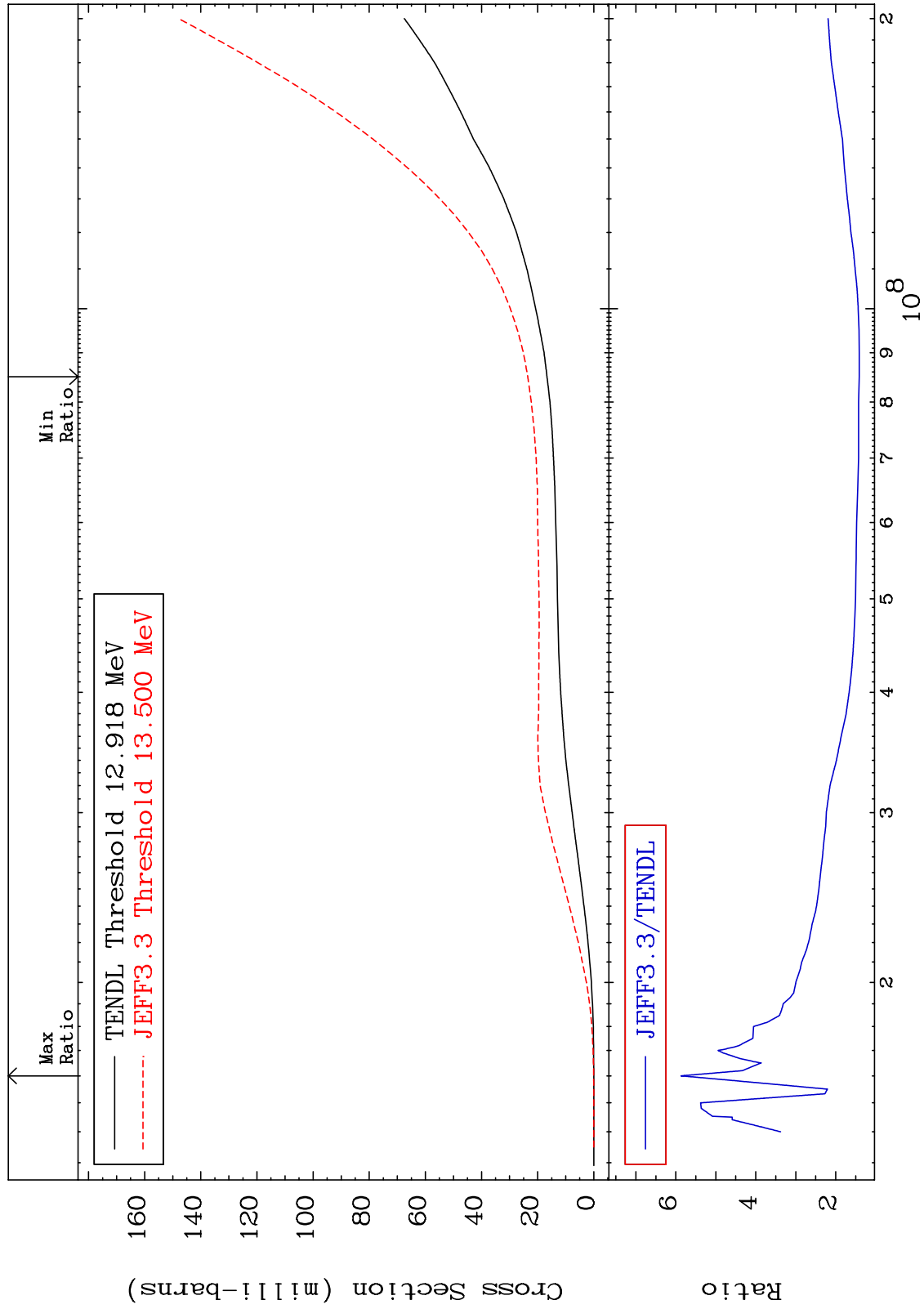




MAT 2425

Tritium Production
Cross Section

$^{24}\text{Cr-50}$
41.15 To 486.9 %



28

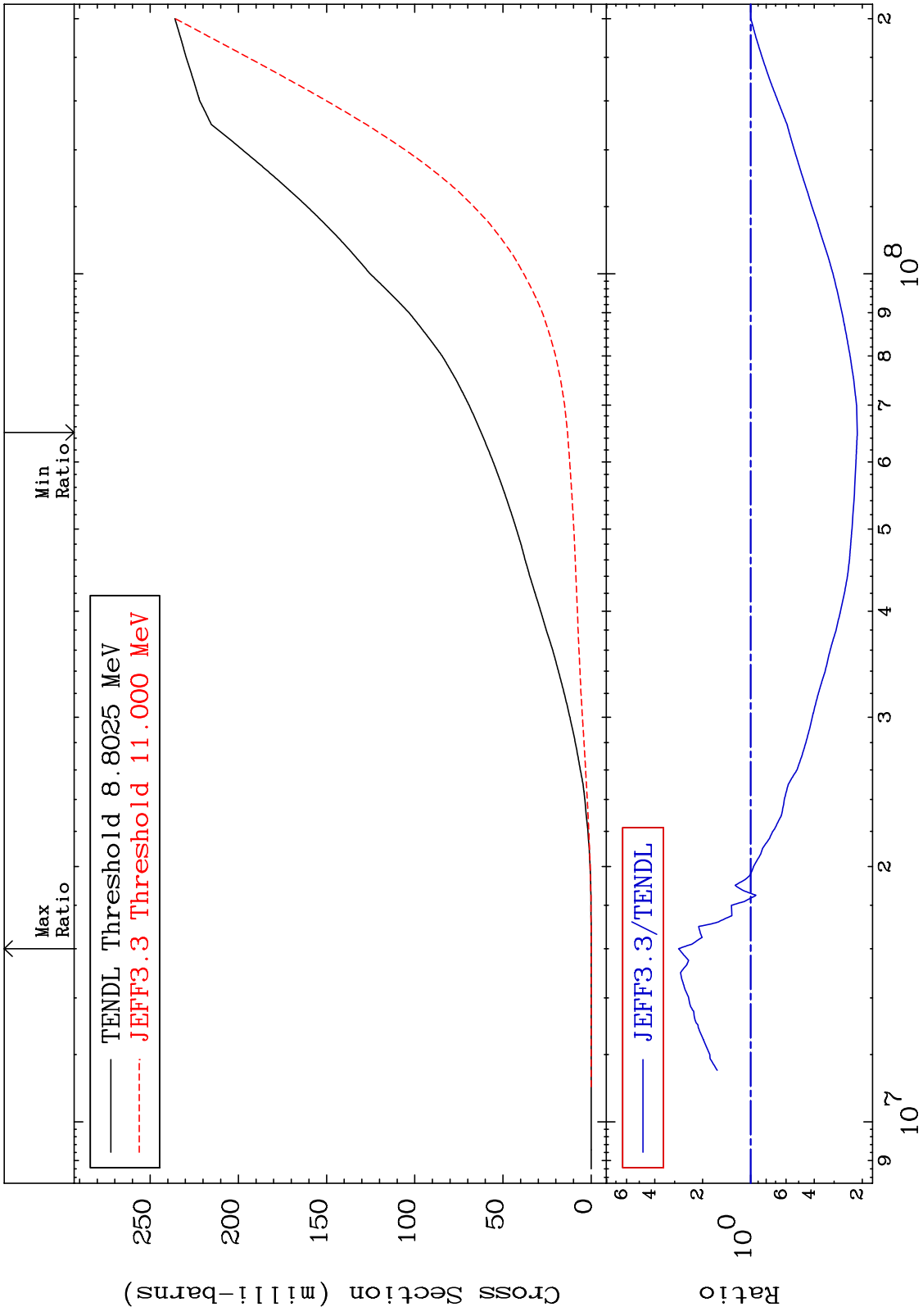
Incident Energy (eV)

$^{24}\text{Cr-50}$

MAT 2425

He-3 Production
Cross Section

²⁴Cr-50
-78.52 To 183.1 %



29

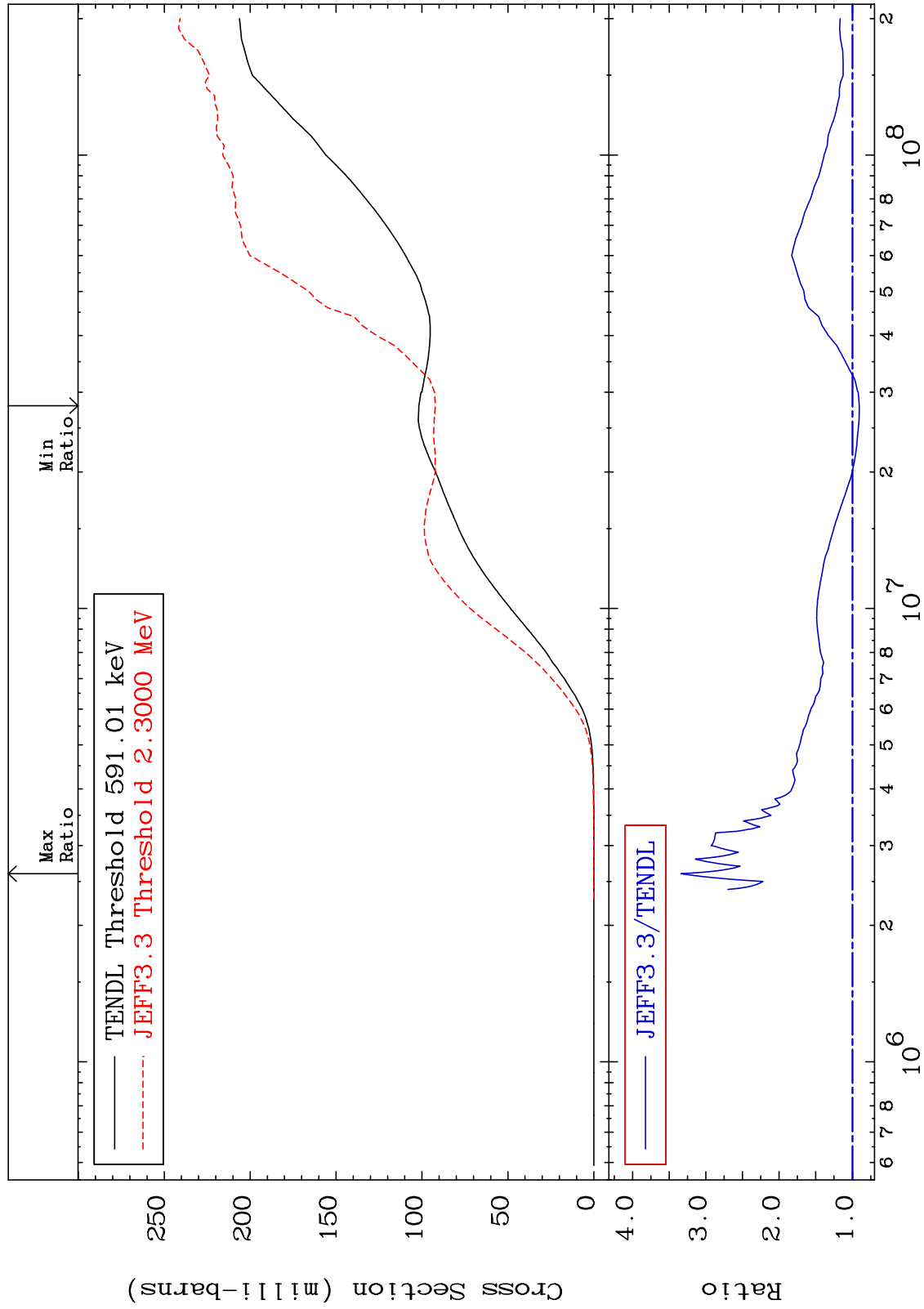
Incident Energy (eV)

²⁴Cr-50

MAT 2425

He-4 Production
Cross Section

24-Cr-50
-9.407 To 233.8 %



30

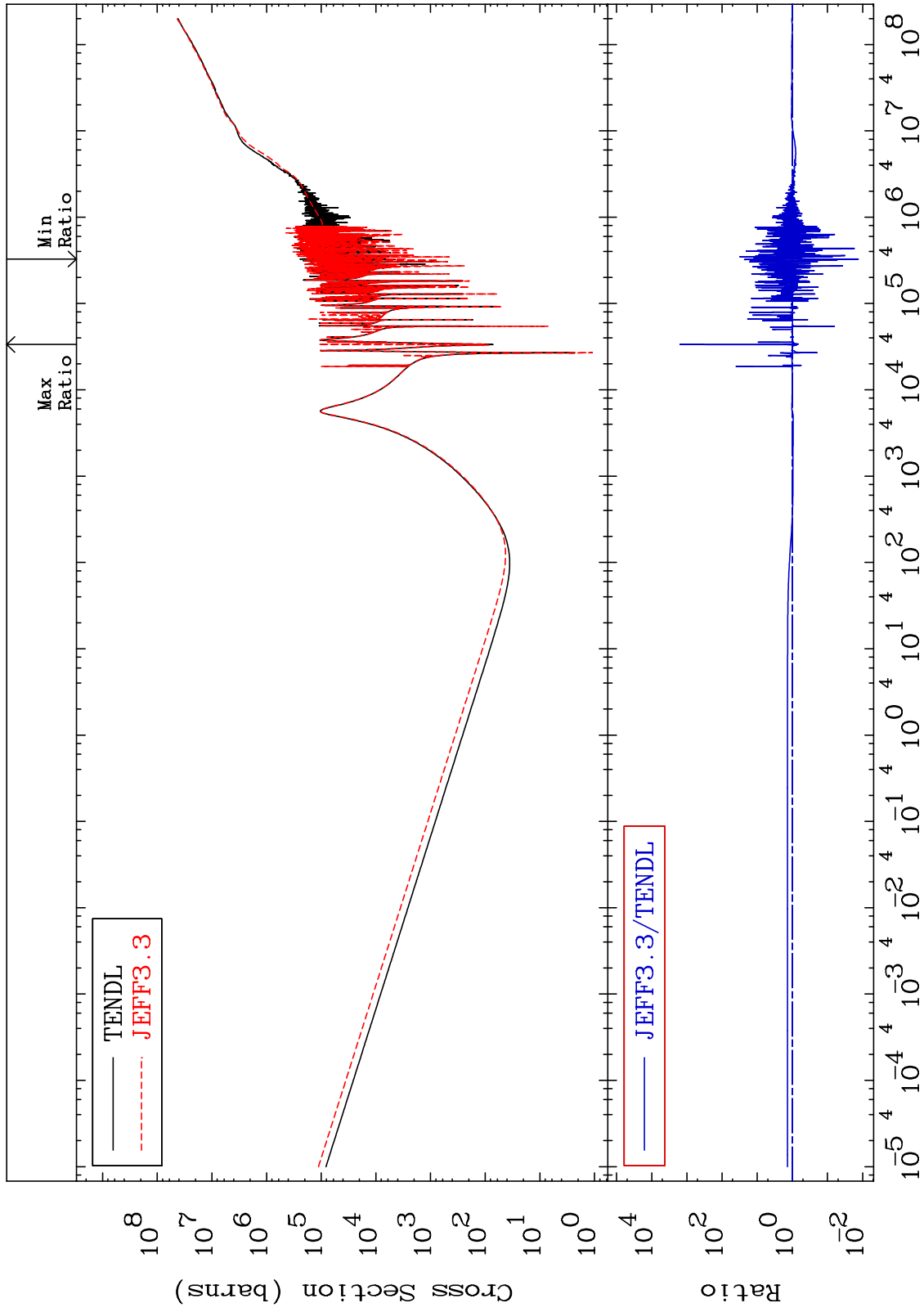
Incident Energy (eV)

24-Cr-50

MAT 2425

Kerma total (eV-barns)
Cross Section

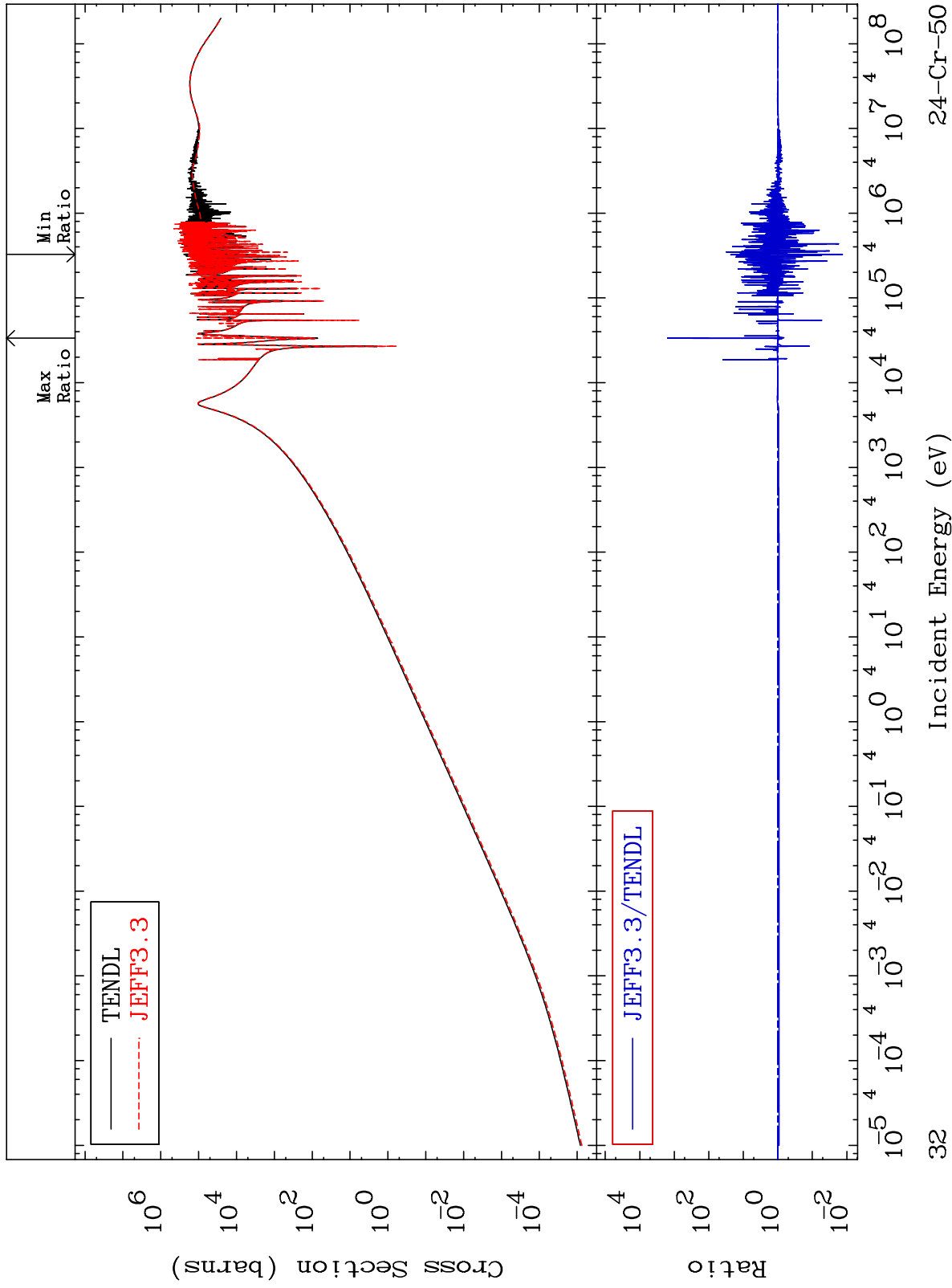
24-Cr-50
-98.68 To 9999. %



MAT 2425

Kerma elastic
Cross Section

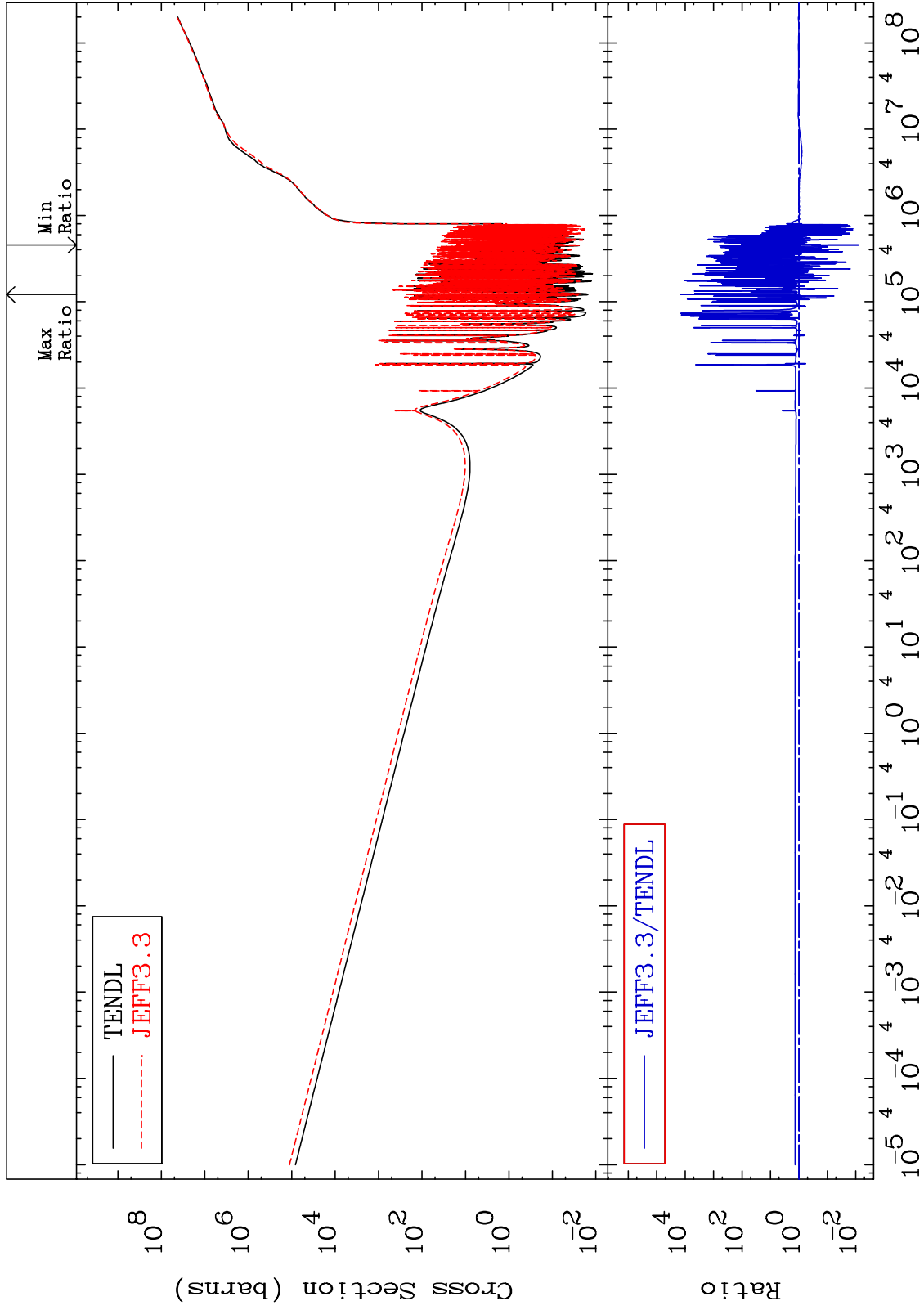
24-Cr-50
-98.68 To 9999. %



MAT 2425

Kerma non-elastic (all but mt2)
Cross Section

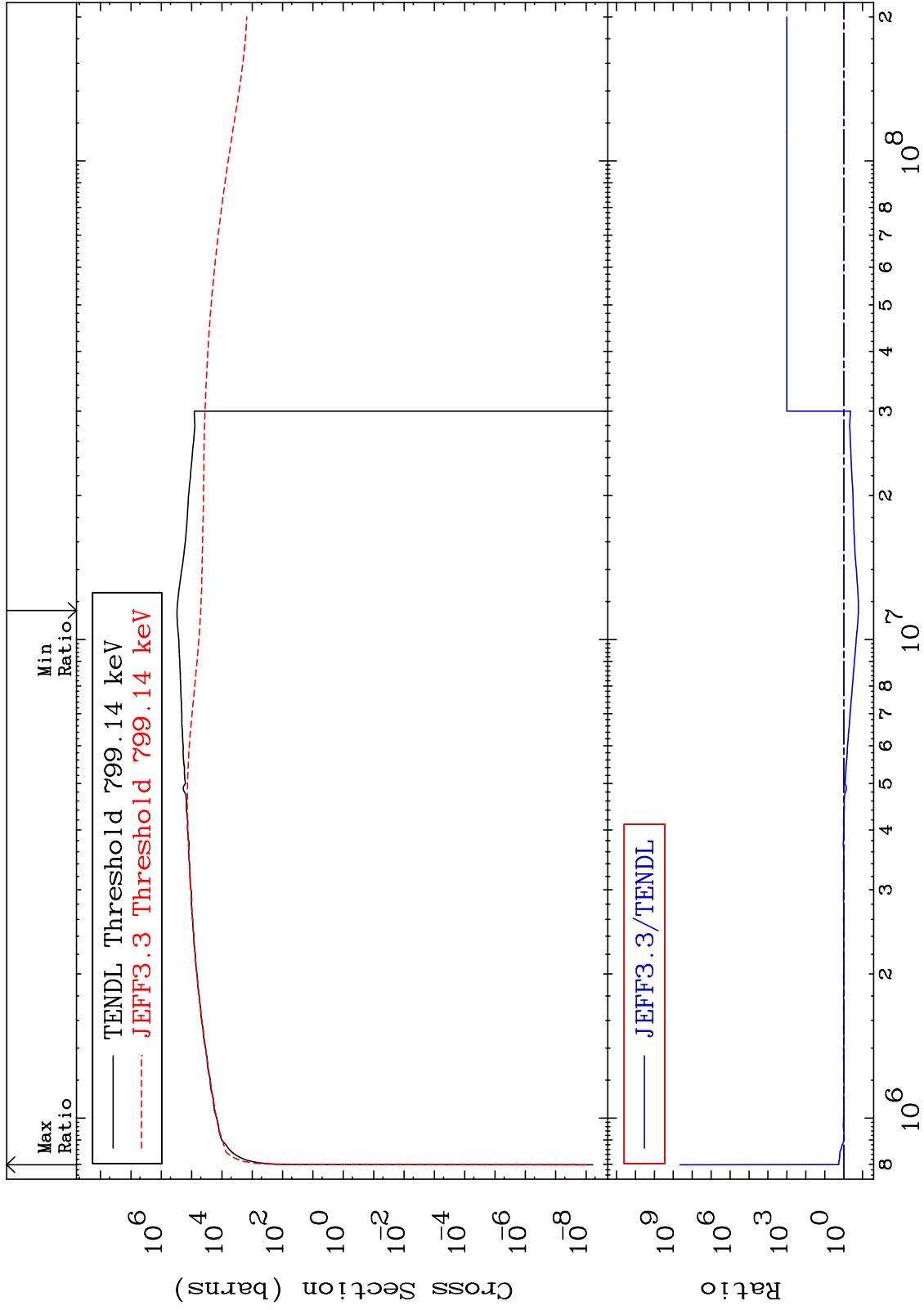
24-Cr-50
-99.19 To 9999. %



MAT 2425

Kerma inelastic (mt51-91)
Cross Section

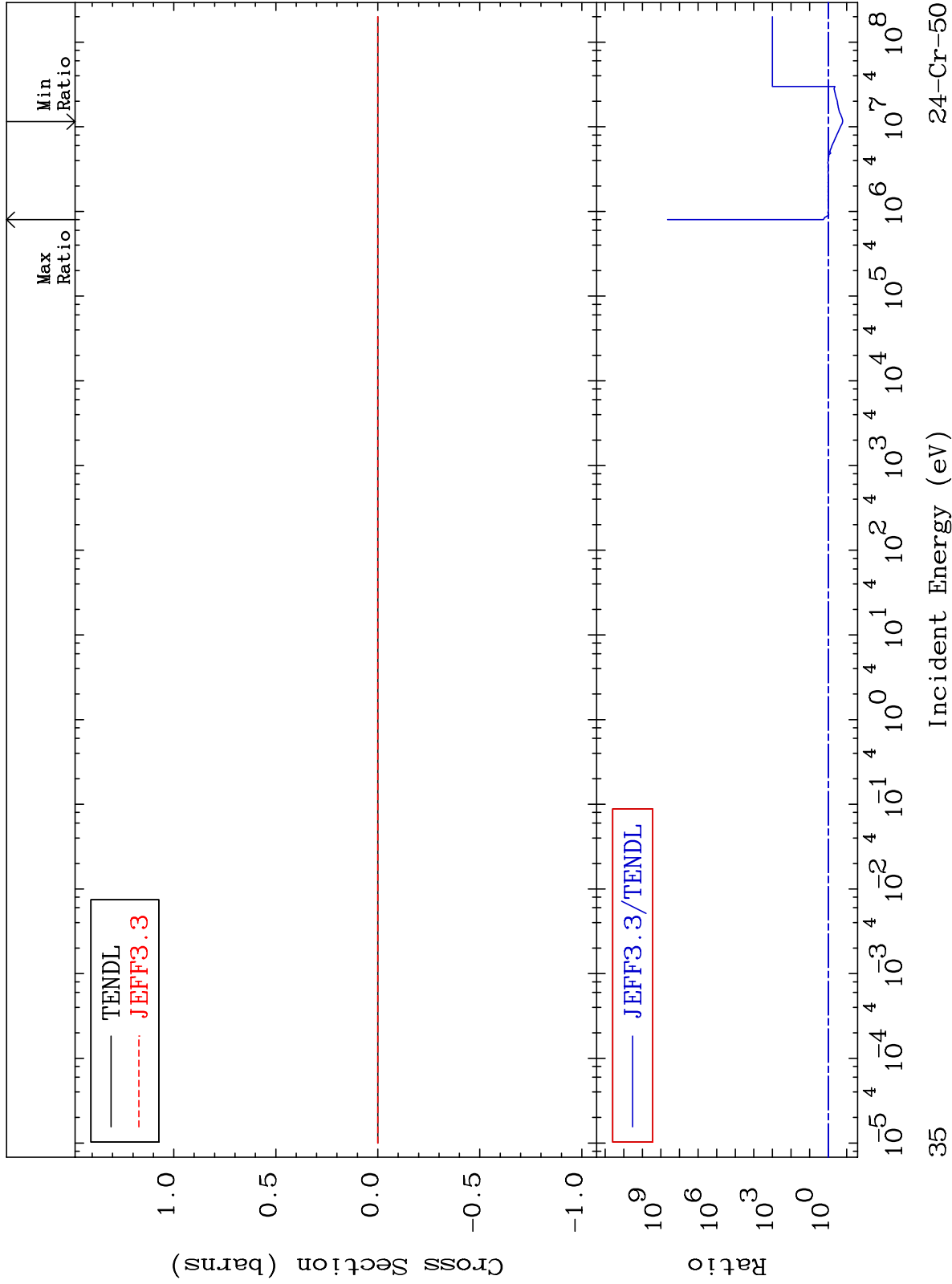
24-Cr-50
-83.40 To 9999. %



MAT 2425

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

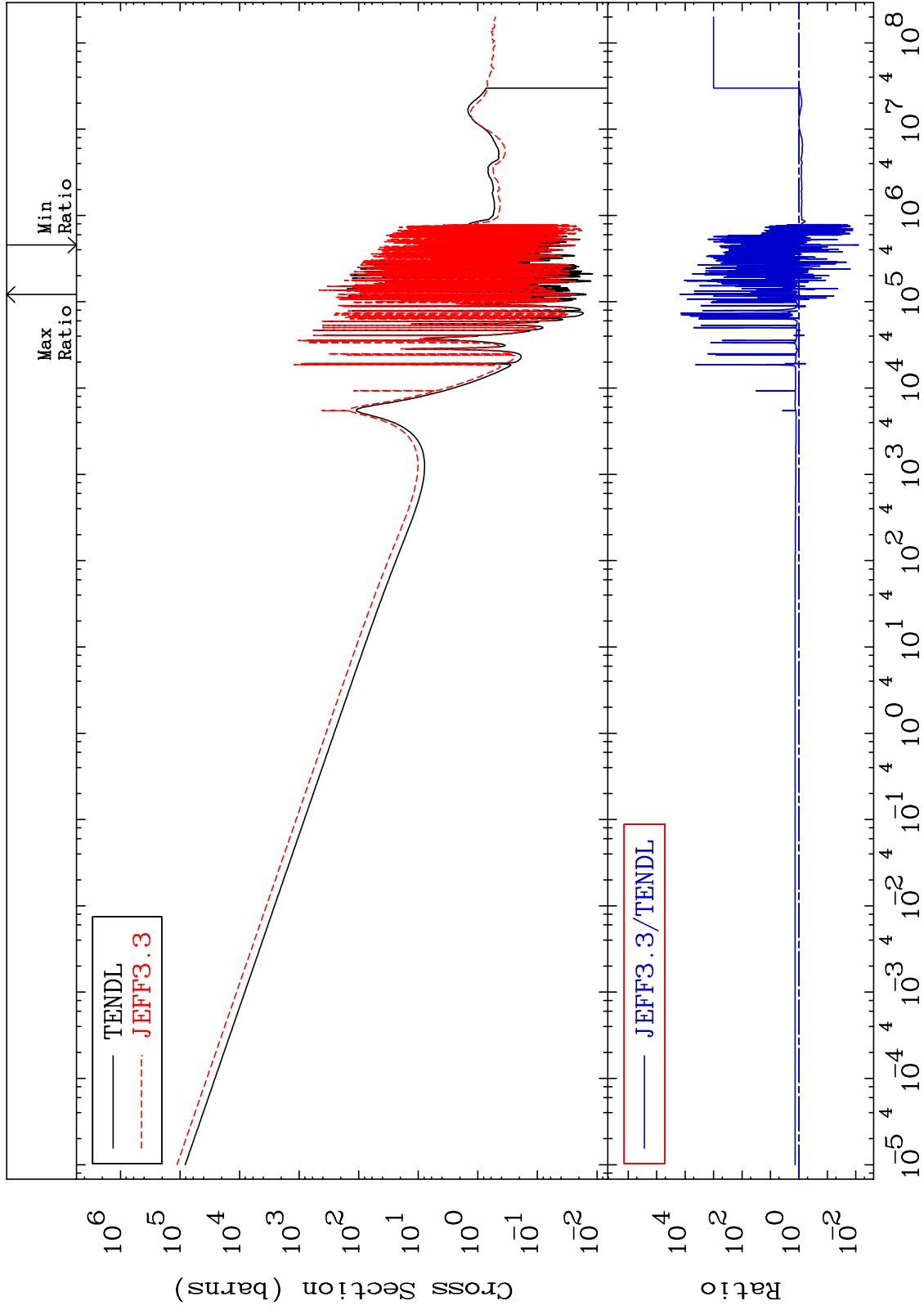
24-Cr-50
-83.40 To 9999. %



MAT 2425

Kerma capture (mt102)
Cross Section

24-Cr-50
-99.19 To 9999. %



36

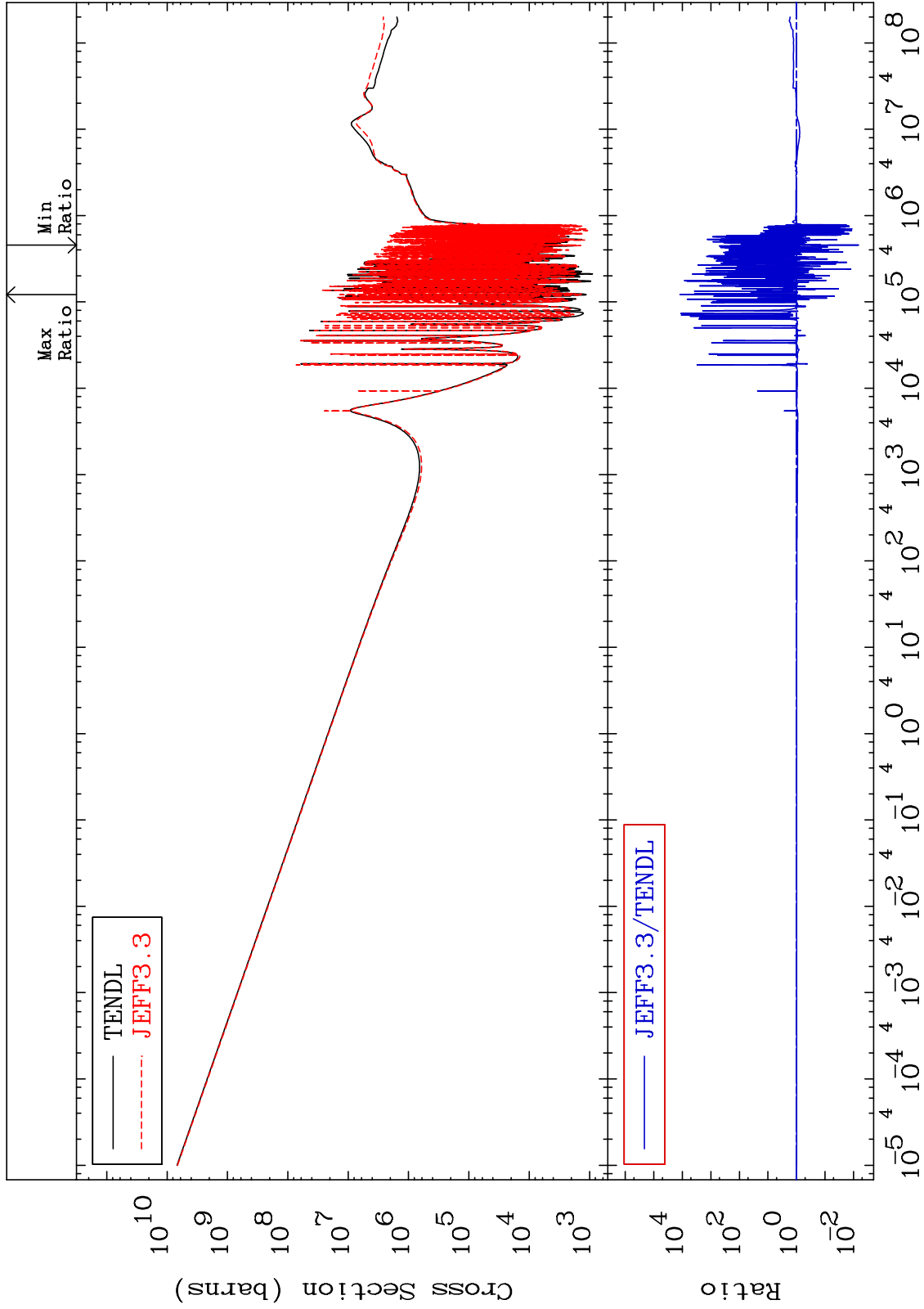
Incident Energy (eV)

24-Cr-50

MAT 2425

Total photon (eV-barns)
Cross Section

24-Cr-50
-99.33 To 9999. %



37

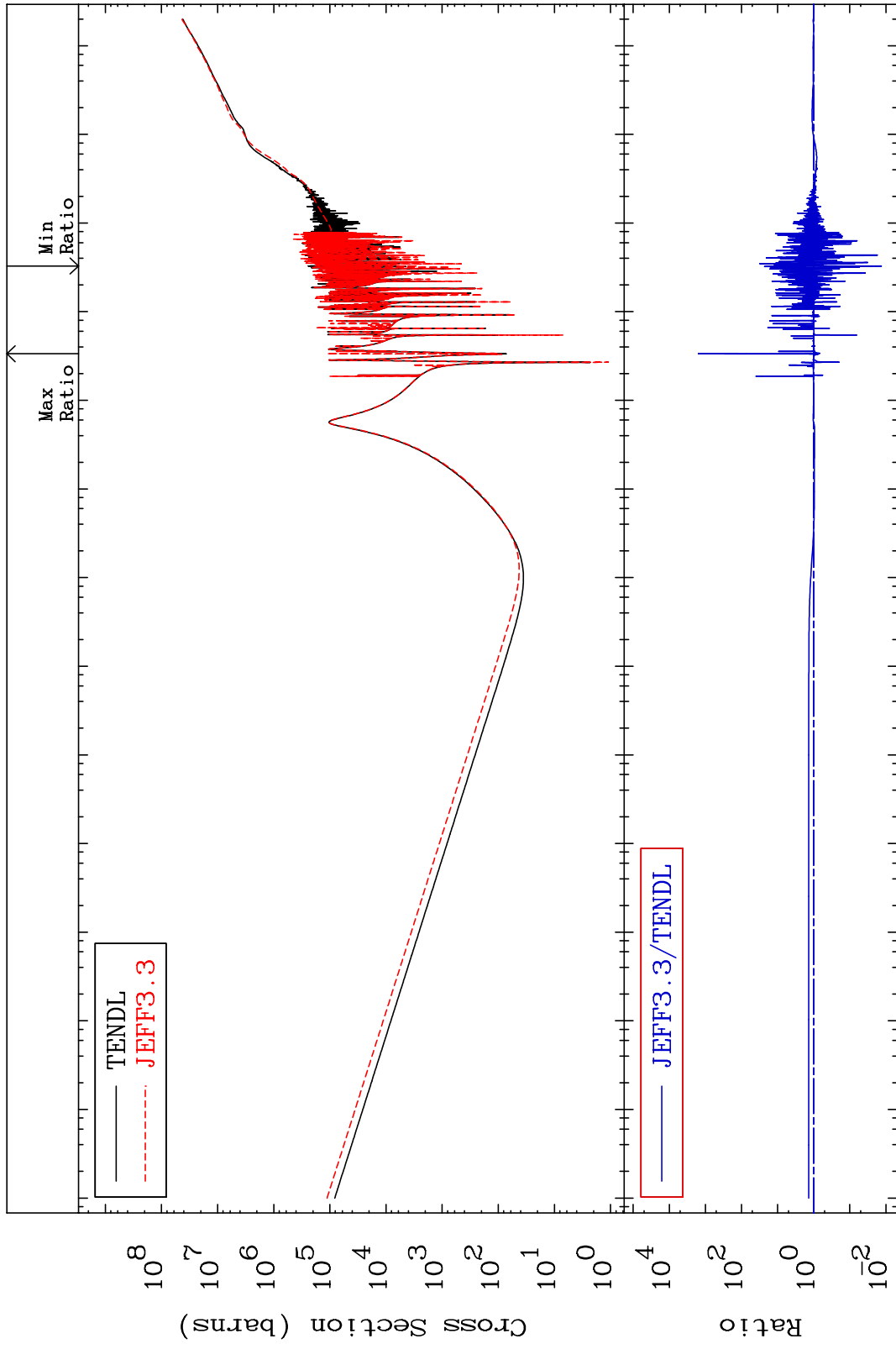
Incident Energy (eV)

24-Cr-50

MAT 2425

Total kinematic kerma (high limit)
Cross Section

24-Cr-50
-98.68 To 9999. %



Ratio

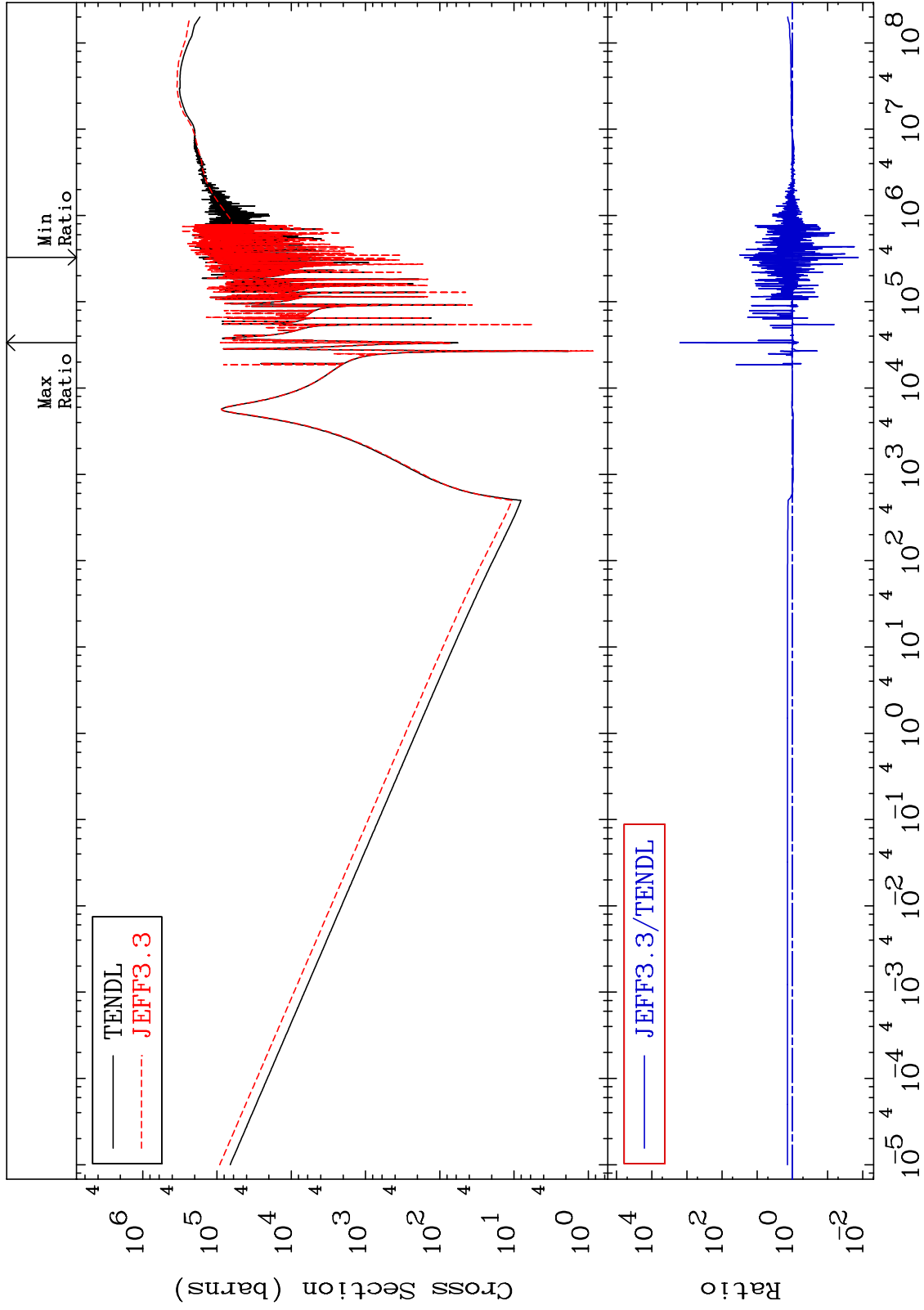
Incident Energy (eV)

24-Cr-50

MAT 2425

Dpa total (eV-barns)
Cross Section

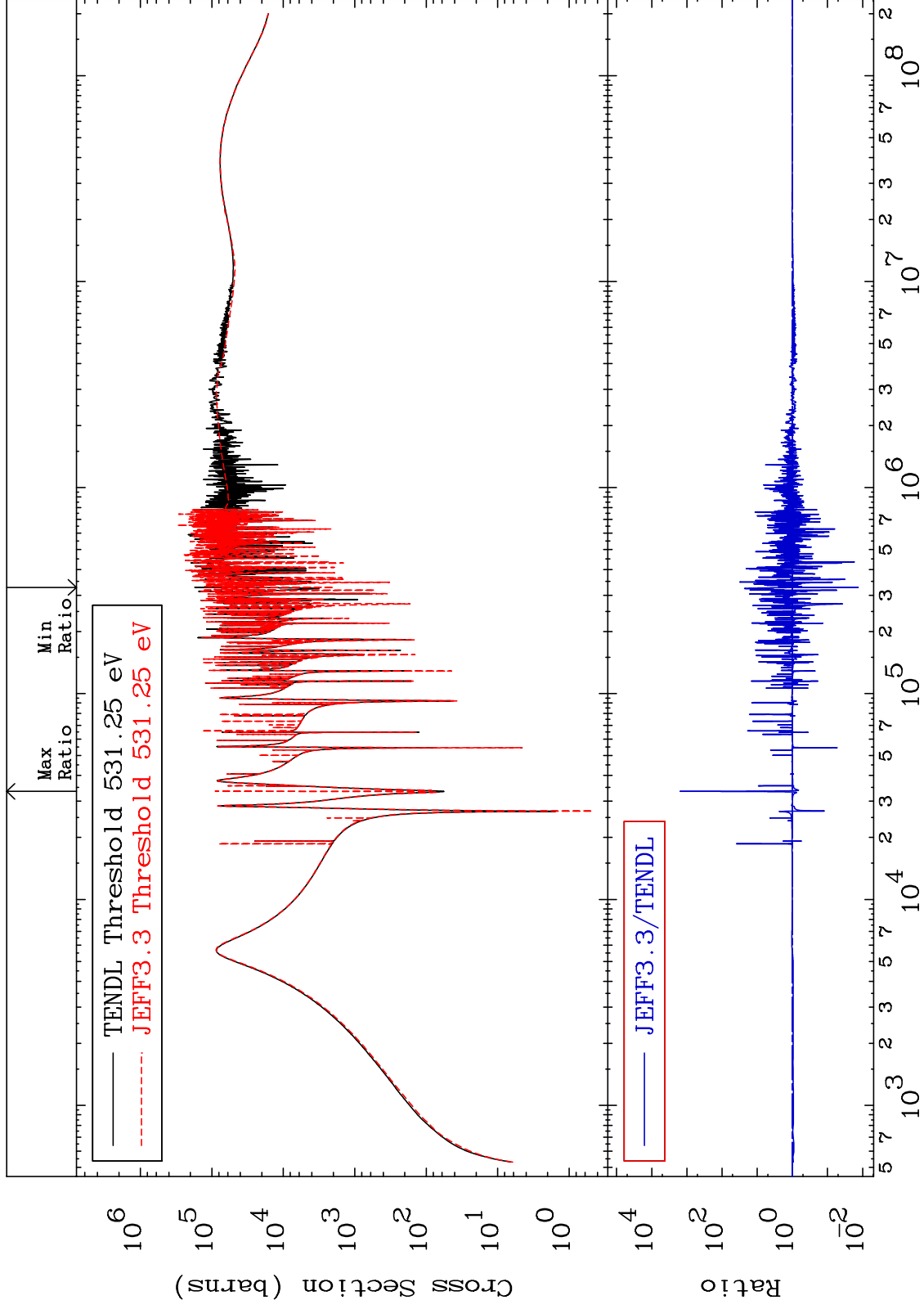
24-Cr-50
-98.68 To 9999. %



MAT 2425

Dpa elastic (mt2)
Cross Section

24-Cr-50
-98.68 To 9999. %



40

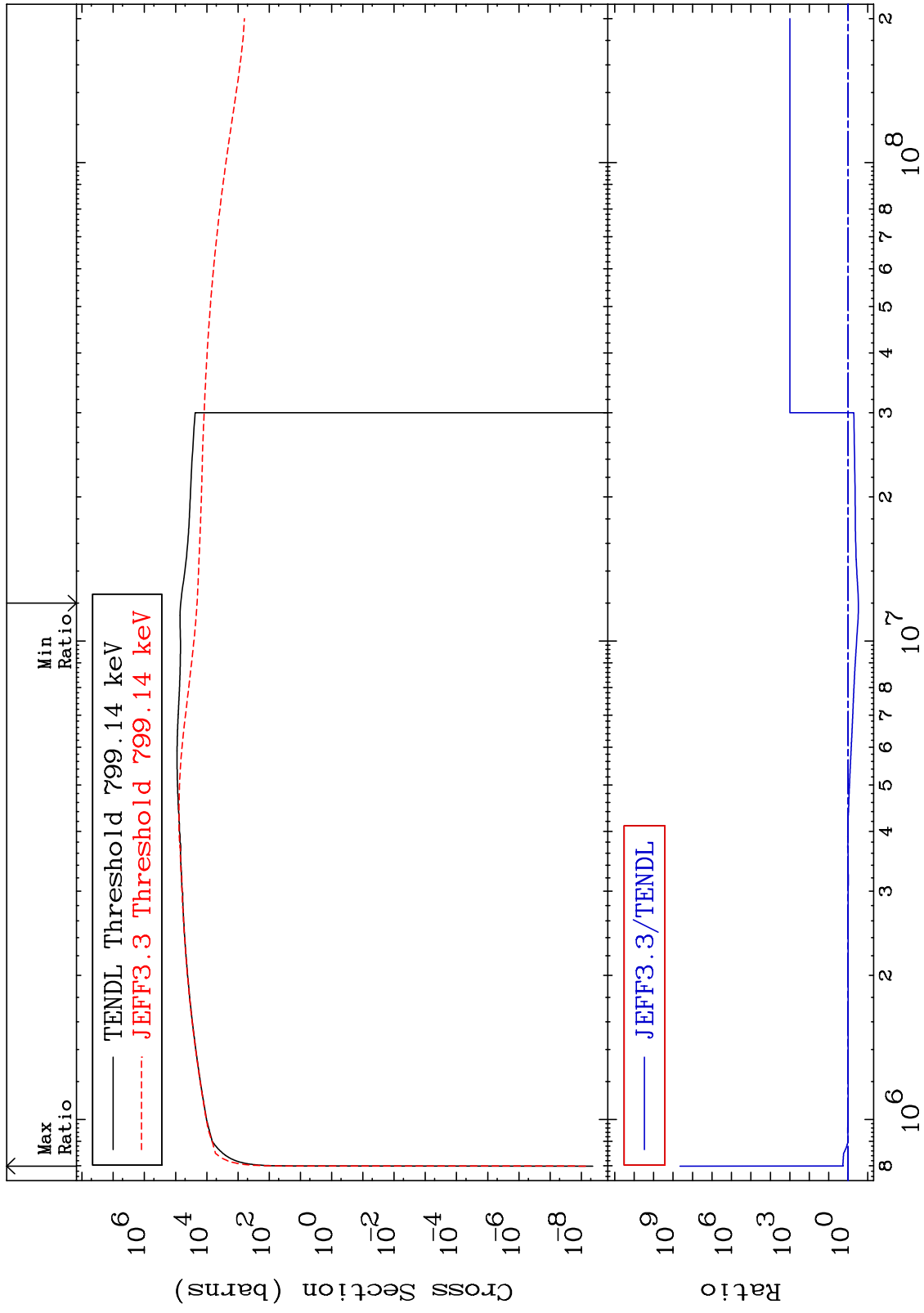
Incident Energy (eV)

24-Cr-50

MAT 2425

Dpa inelastic (mt51-91)
Cross Section

24-Cr-50
-70.11 To 9999. %



MAT 2425

Dpa disappearance (mt102 -120)
Cross Section

24-Cr-50
-100.0 To 9999. %

