

Program Complot
(Version 2018-1)

by

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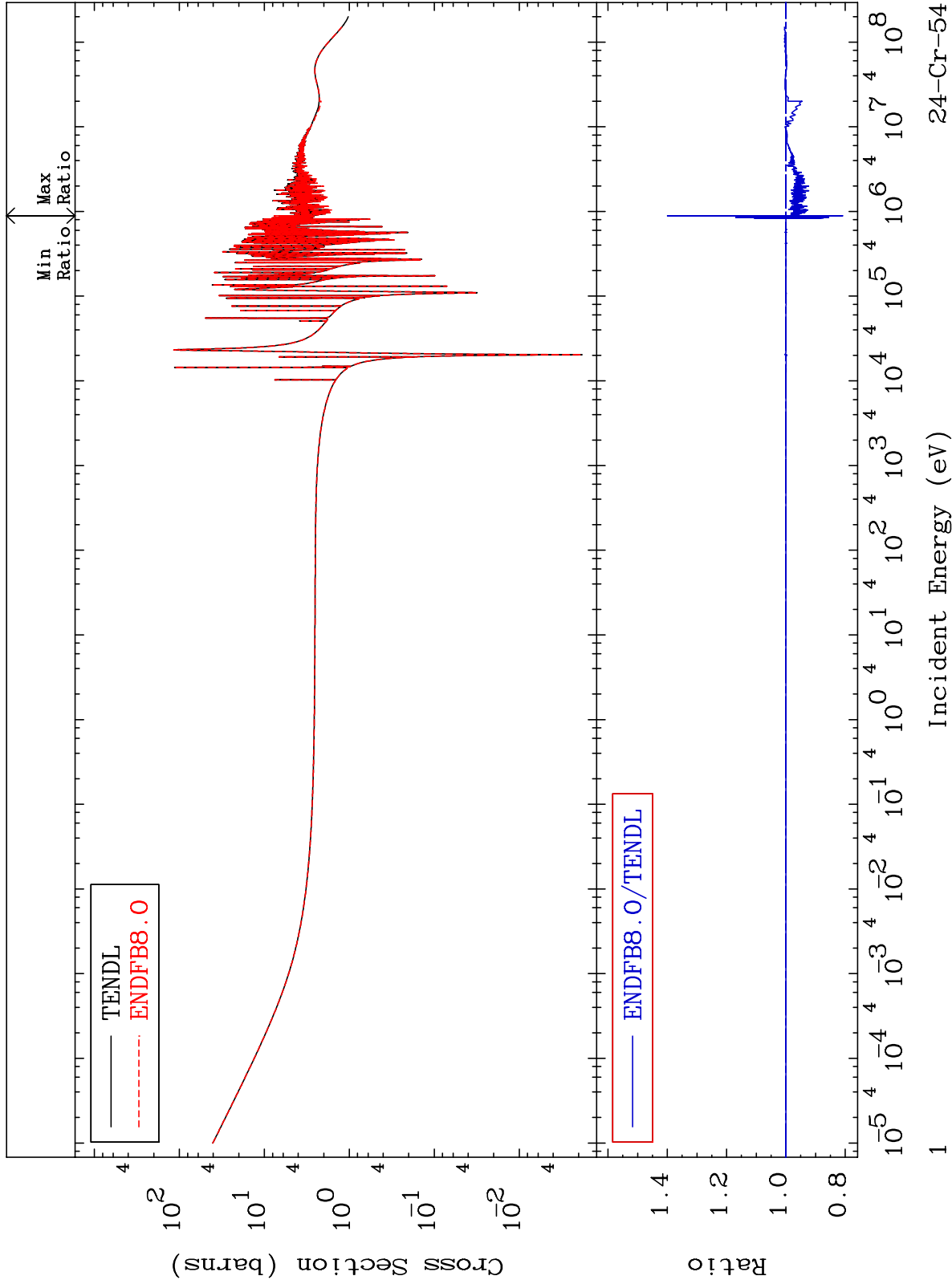
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2437

Total
Cross Section

24-Cr-54
-19.14 To 39.91 %

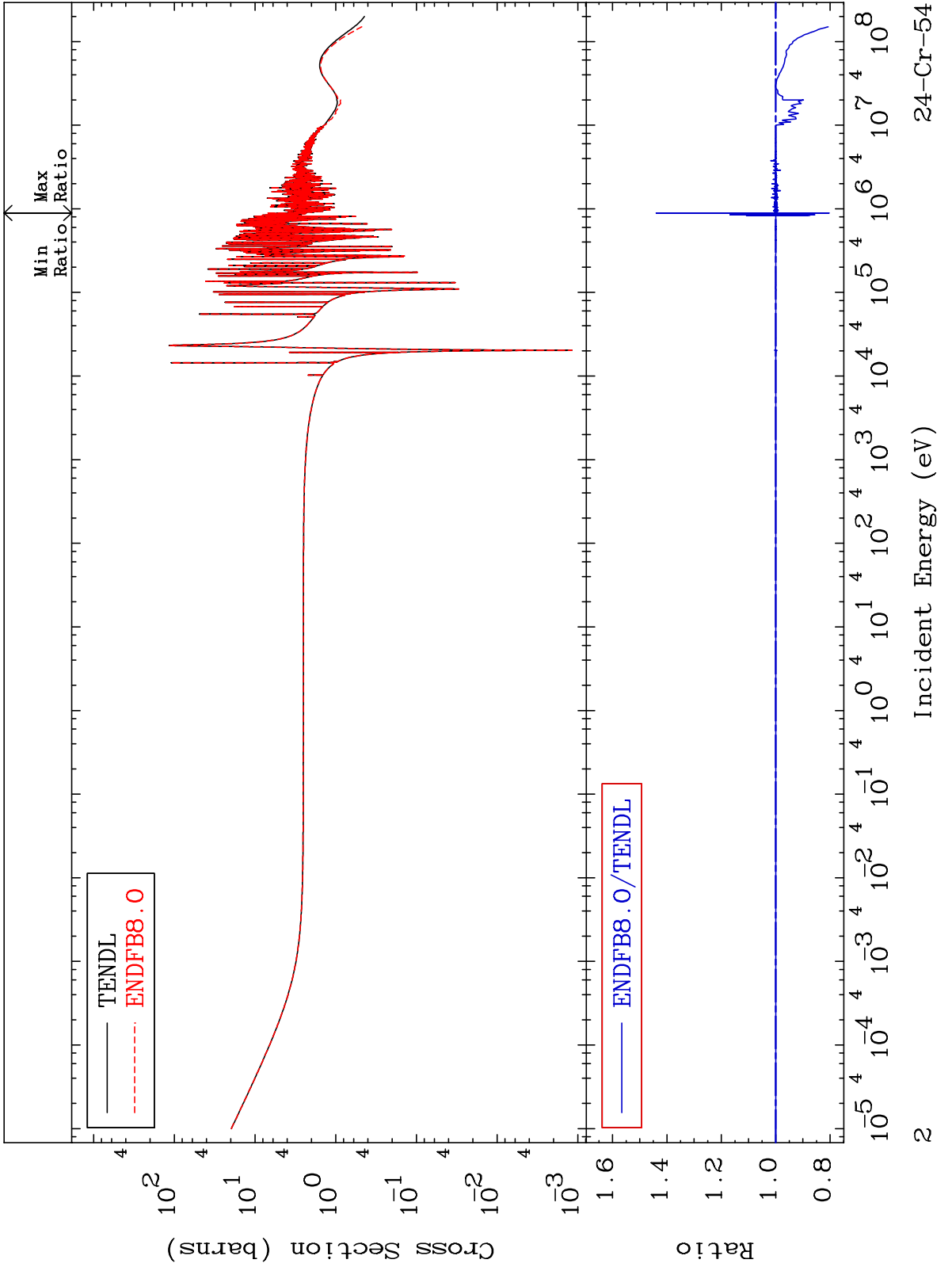


24-Cr-54

MAT 2437

Elastic
Cross Section

24-Cr-54
-19.63 To 43.92 %



24-Cr-54

Incident Energy (eV)

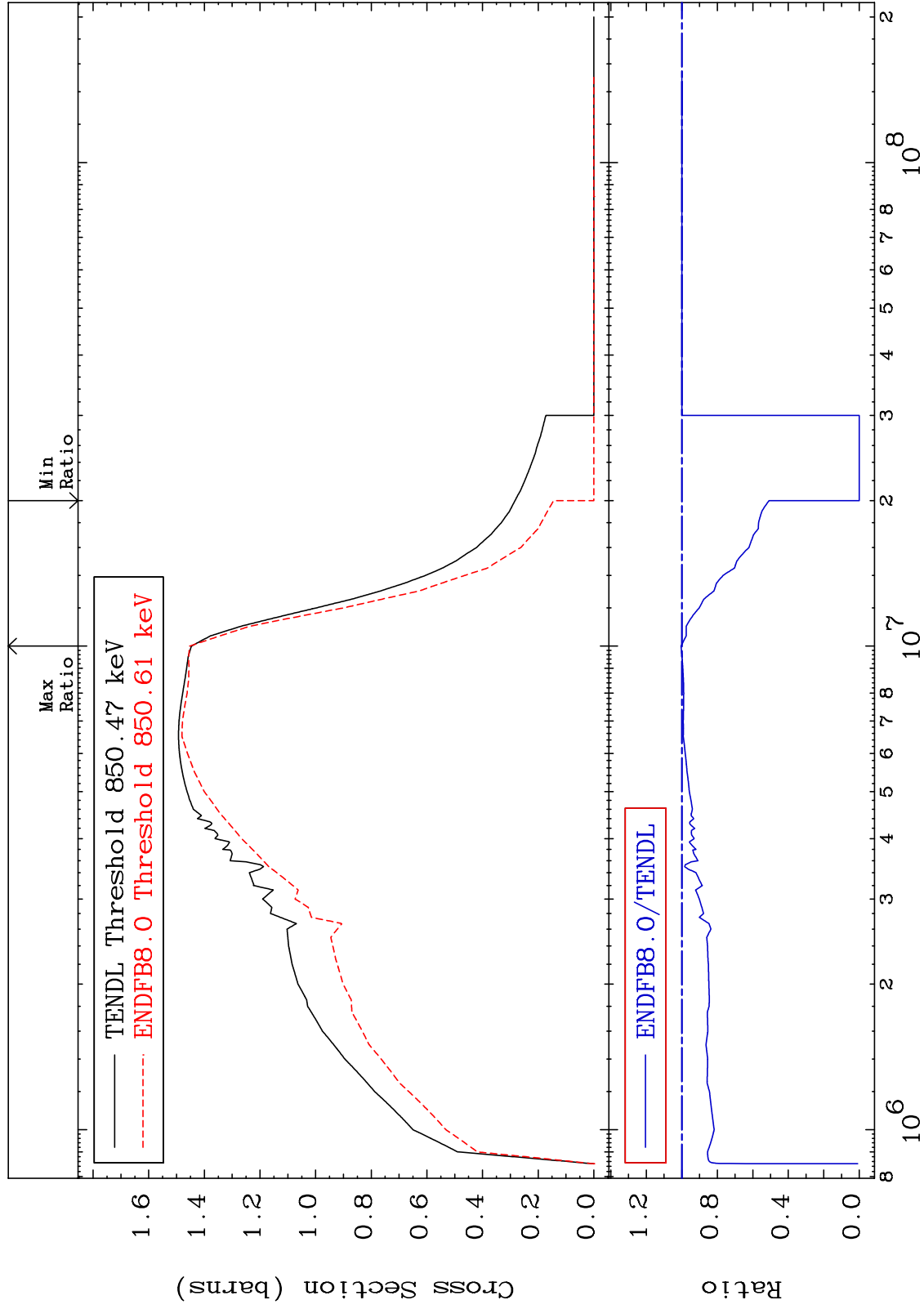
2

MAT 2437

Inelastic
Cross Section

²⁴Cr-54

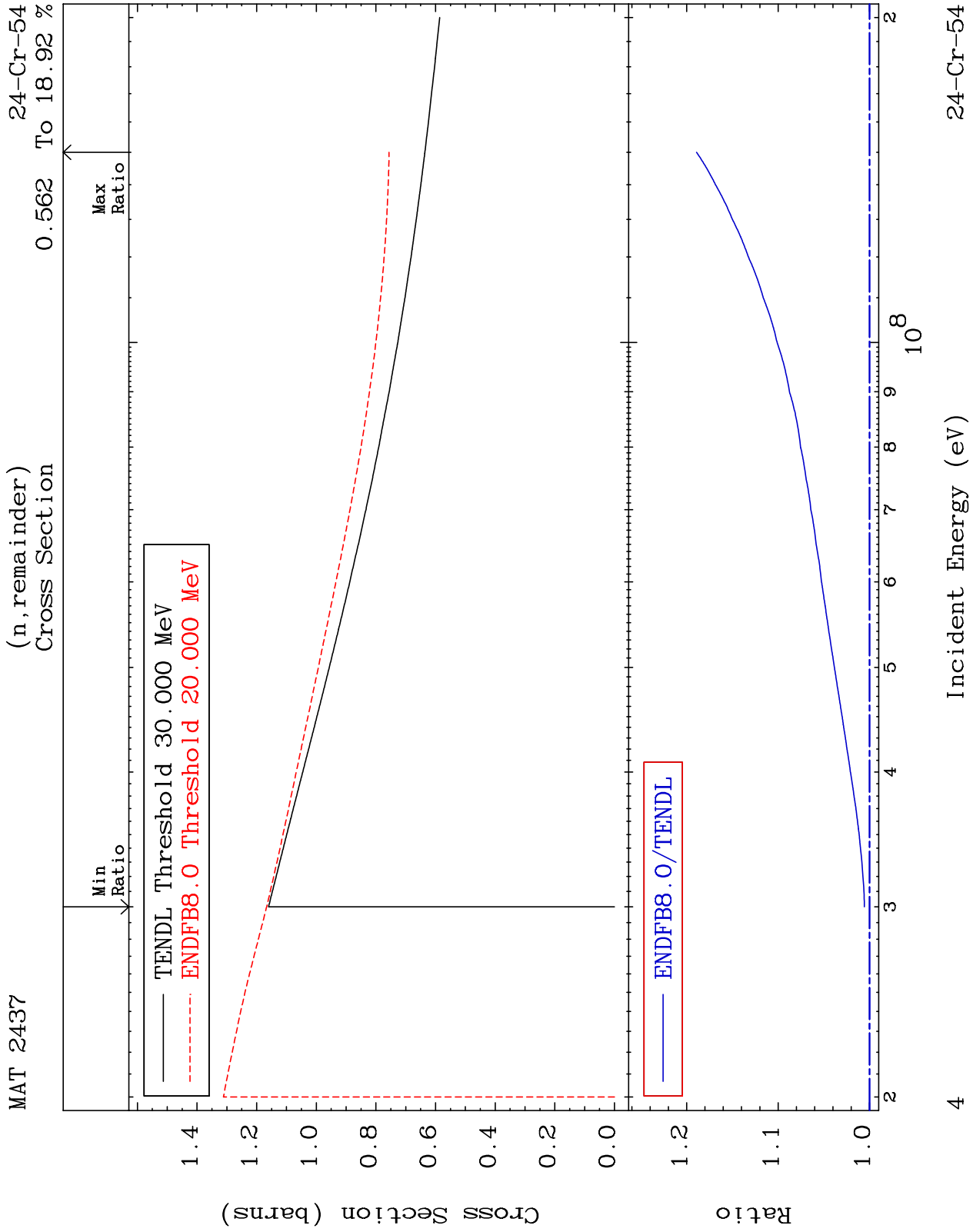
-100.0 To 0.422 %



Incident Energy (eV)

²⁴Cr-54

3



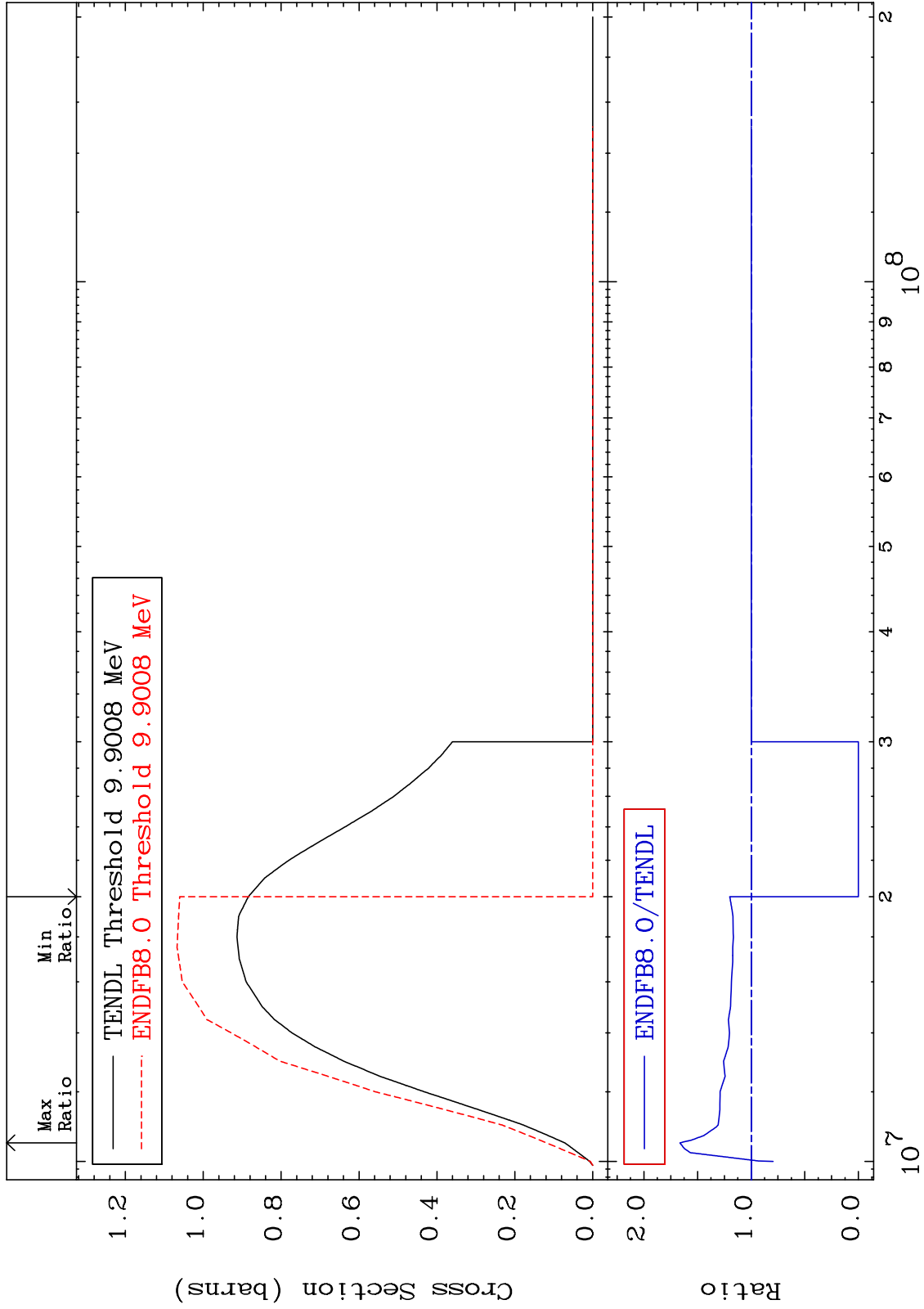
MAT 2437

(n,2n)

²⁴Cr-54

Cross Section

-100.0 To 66.36 %



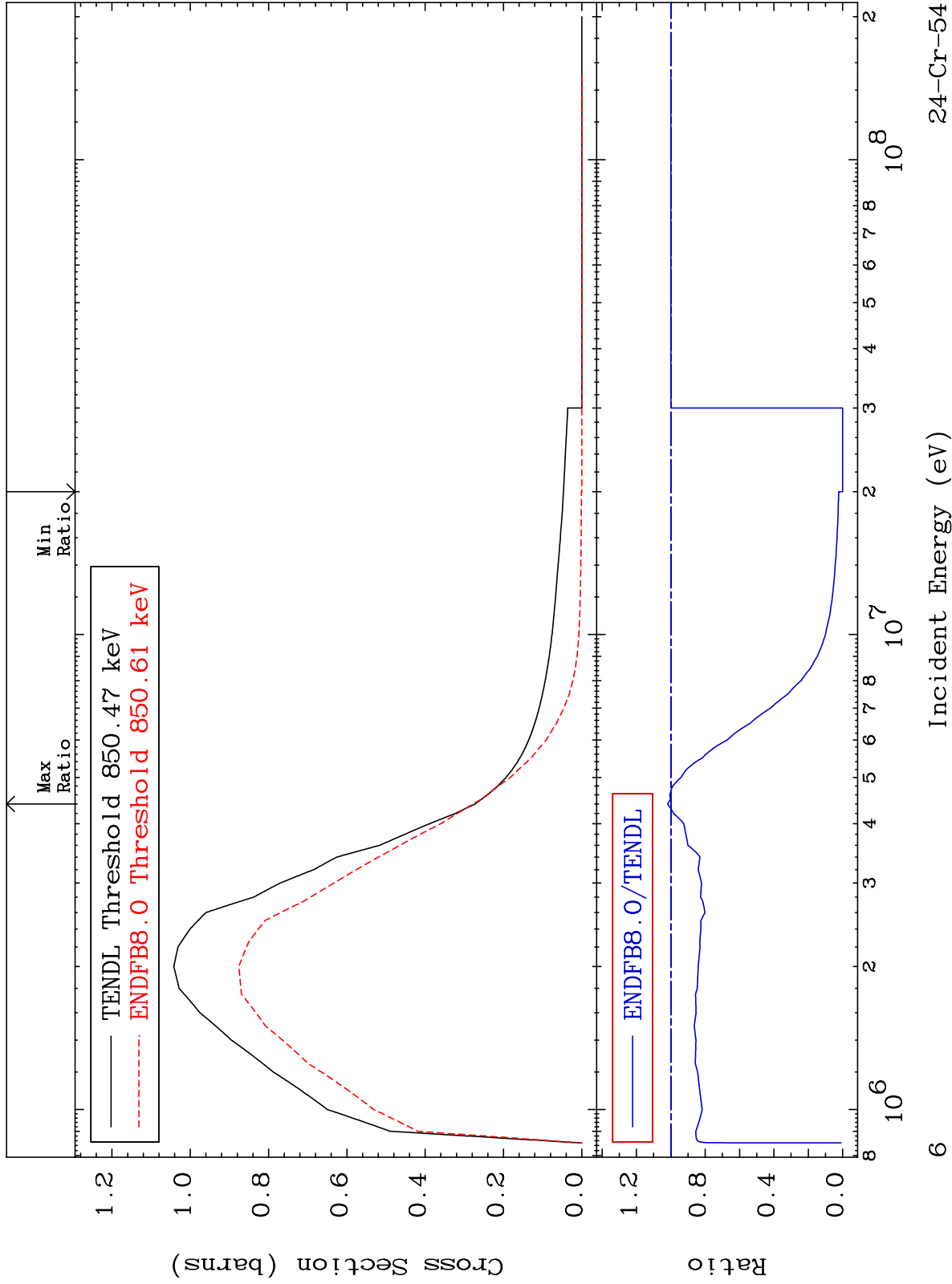
Incident Energy (eV)

²⁴Cr-54

MAT 2437

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

24-Cr-54
-100.0 To 1.923 %

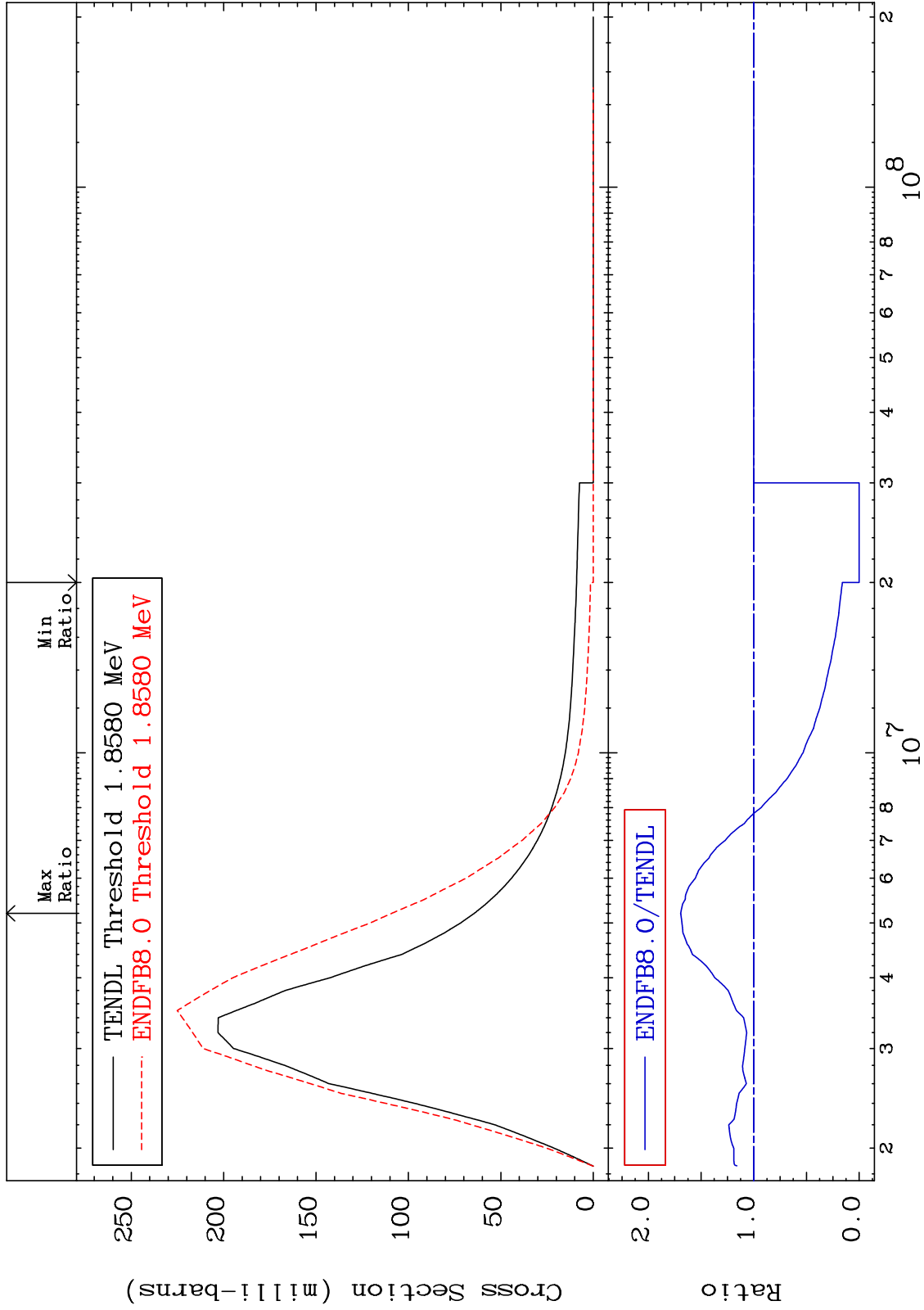


24-Cr-54

MAT 2437

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

24-Cr-54
-100.0 To 69.41 %



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Incident Energy (eV)

24-Cr-54

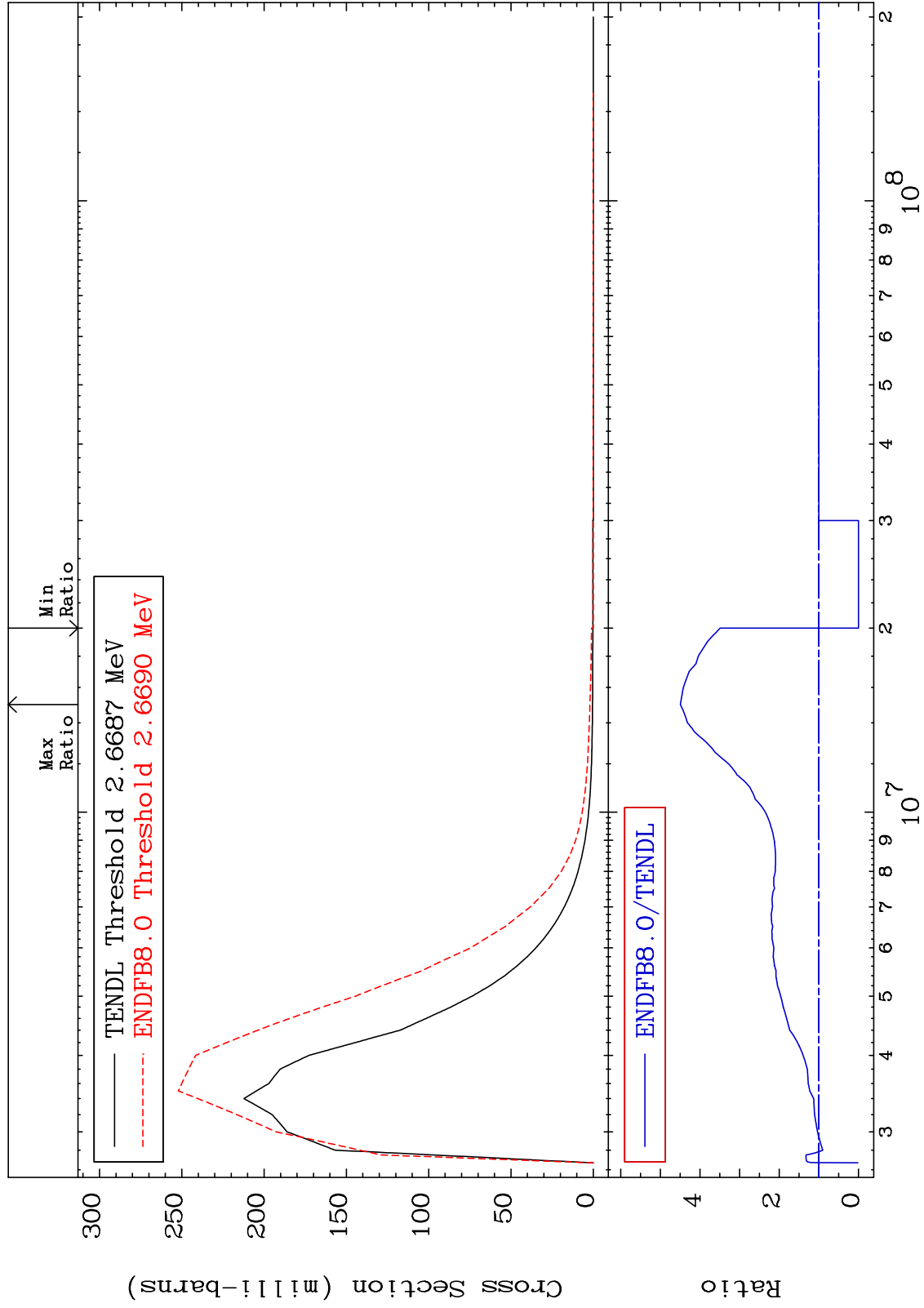
MAT 2437

MT= 53 (n, n') Level

24-Cr-54

-100.0 To 349.4 %

Cross Section



8

Incident Energy (eV)

24-Cr-54

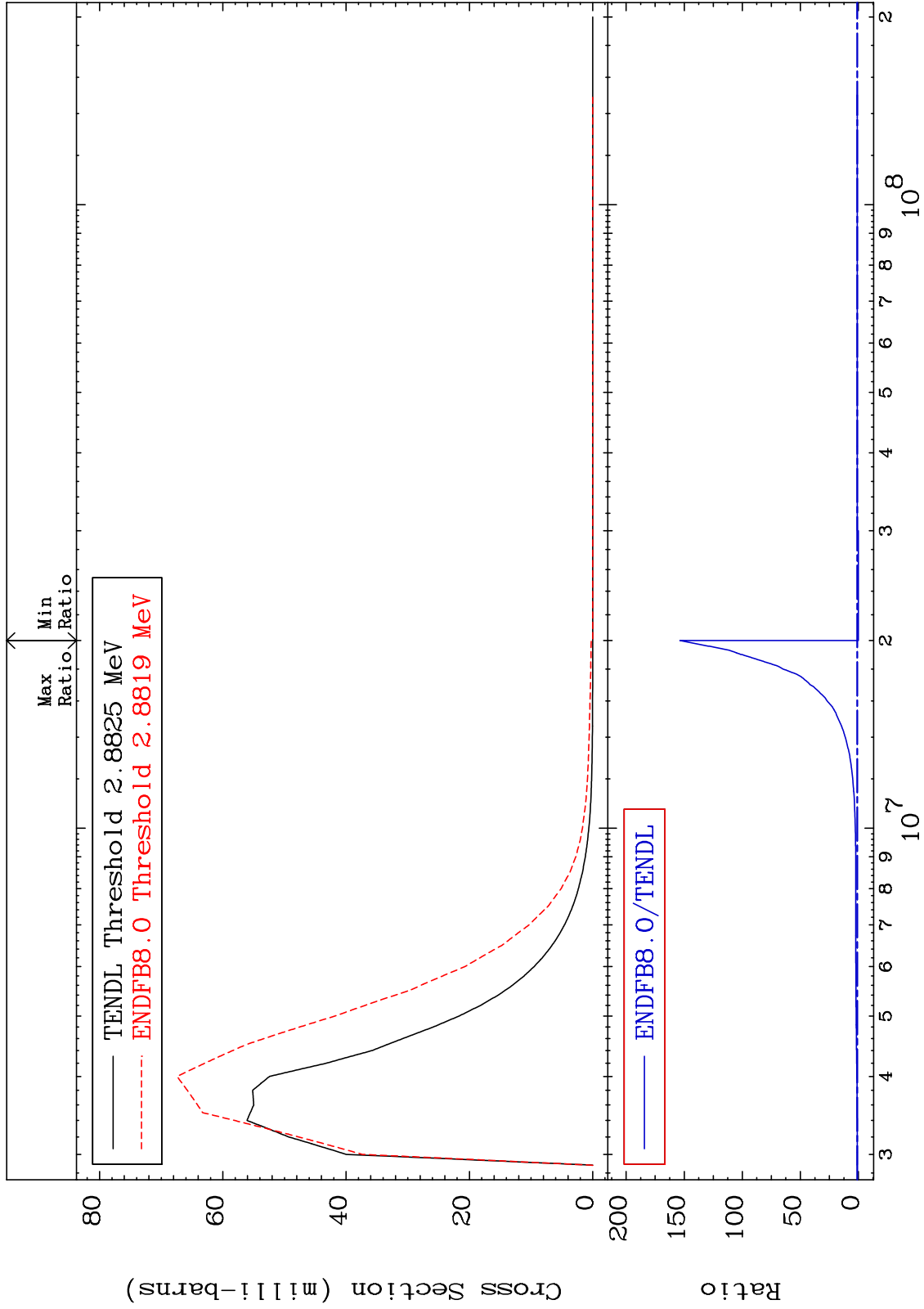
MAT 2437

MT= 54 (n,n') Level

²⁴Cr-54

-100.0 To 9999. %

Cross Section

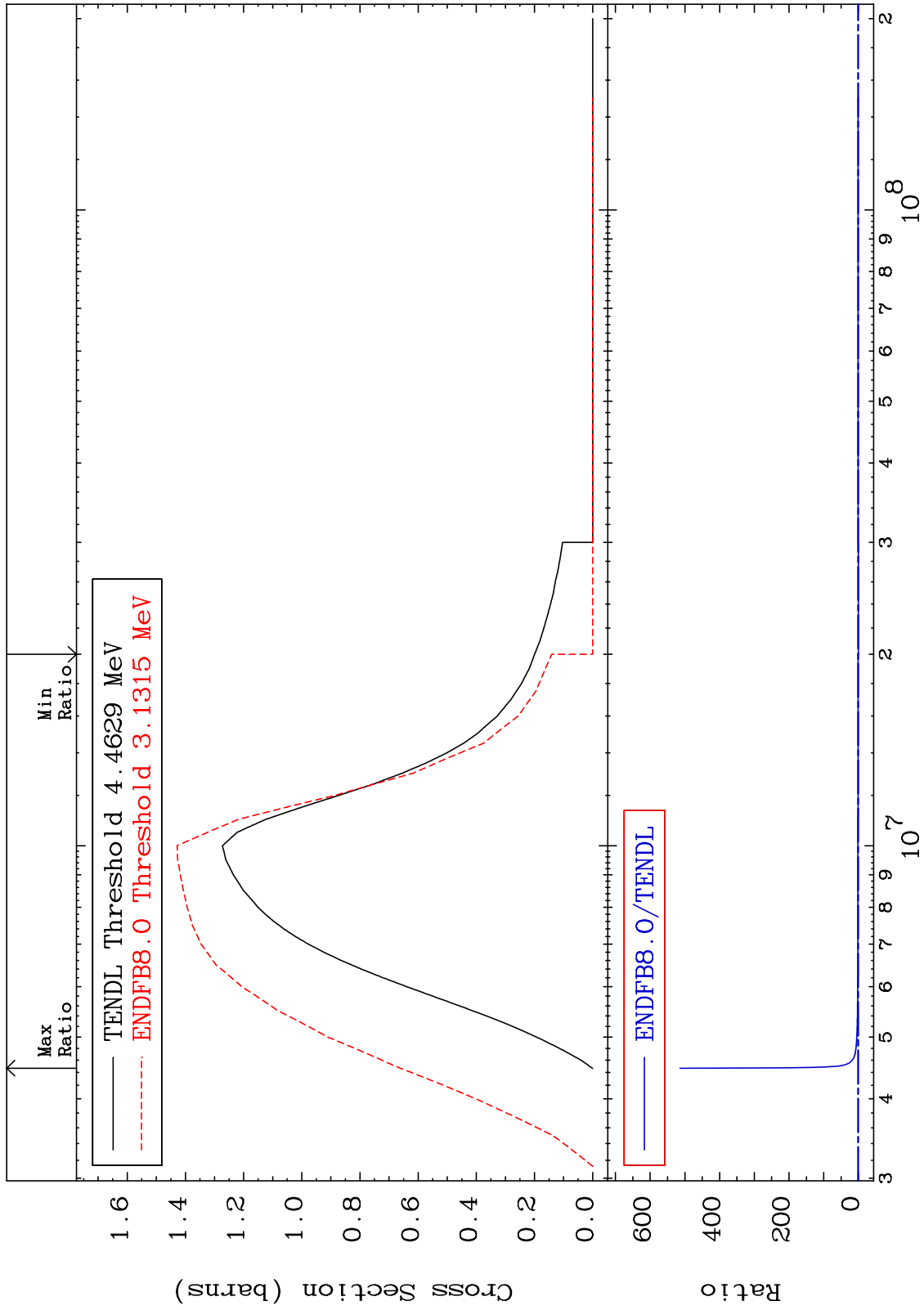


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Incident Energy (eV)

²⁴Cr-54

MAT 2437 (n,n') Continuum Cross Section 24-Cr-54 -100.0 To 9999. %



Incident Energy (eV) 24-Cr-54

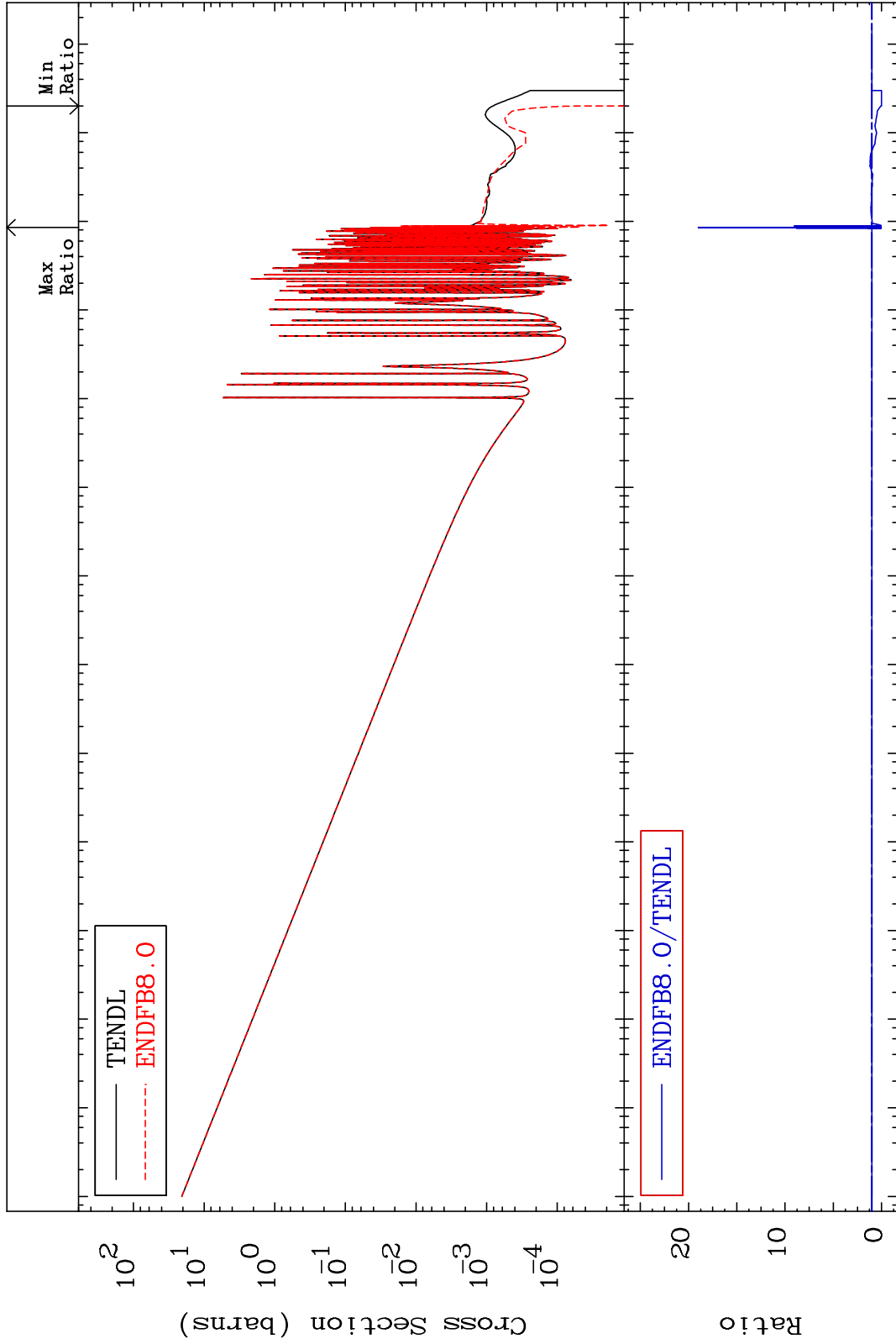
MAT 2437

(n, γ)

24-Cr-54

Cross Section

-100.0 To 1799. %



Incident Energy (eV)

24-Cr-54

11

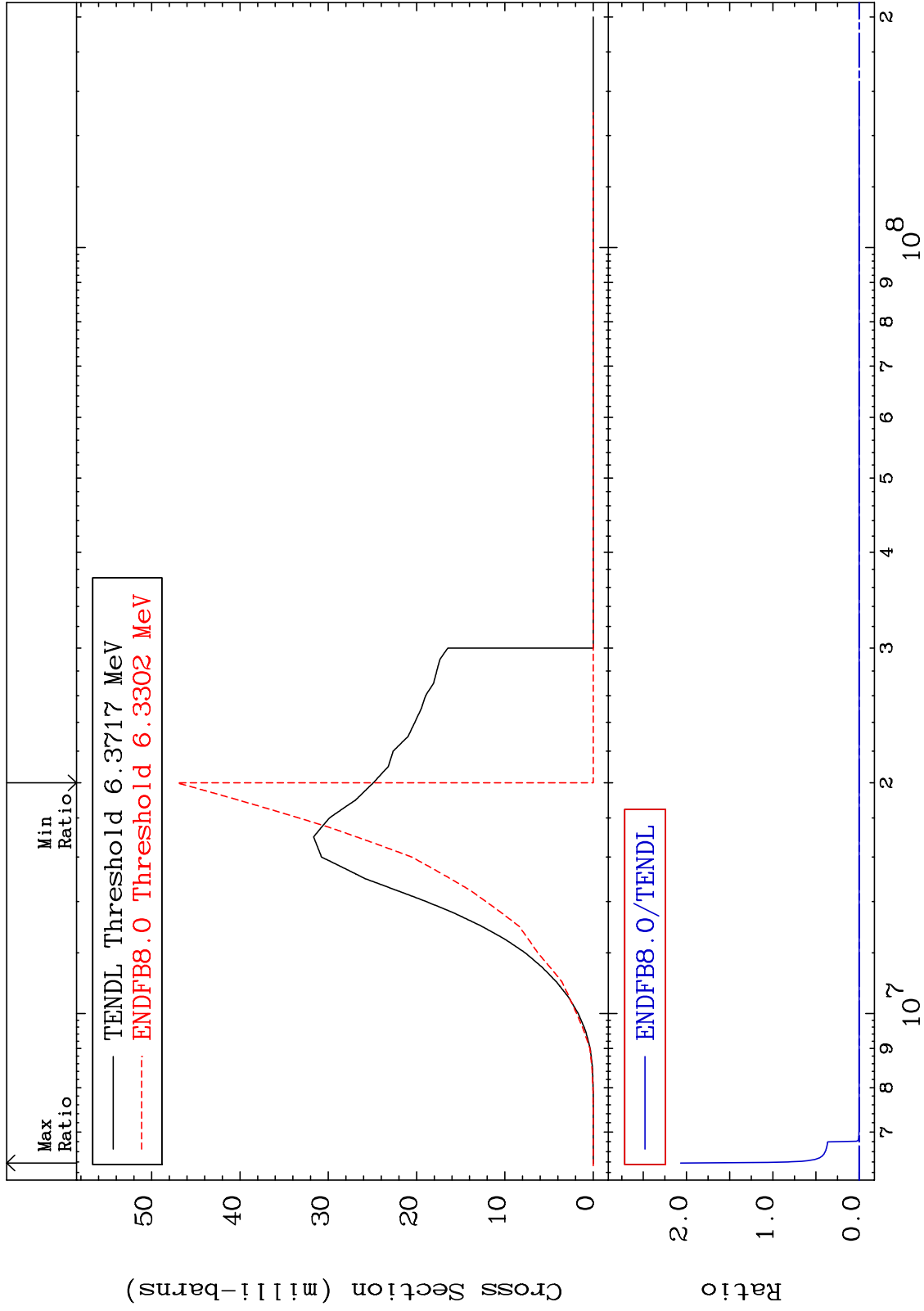
MAT 2437

(n,p)

24-Cr-54

Cross Section

-100.0 To 9999. %



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Incident Energy (eV)

24-Cr-54

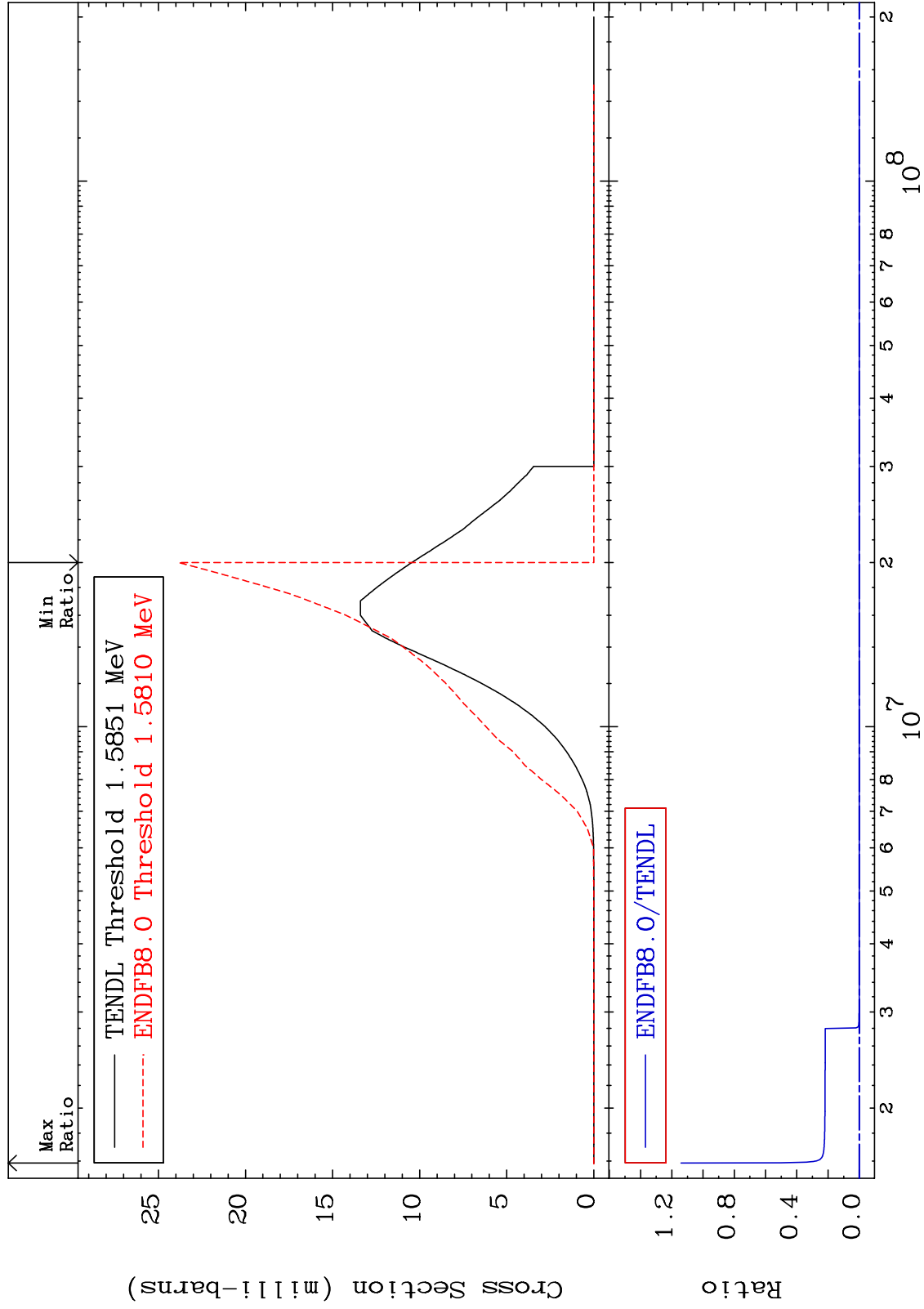
MAT 2437

(n, α)

24-Cr-54

Cross Section

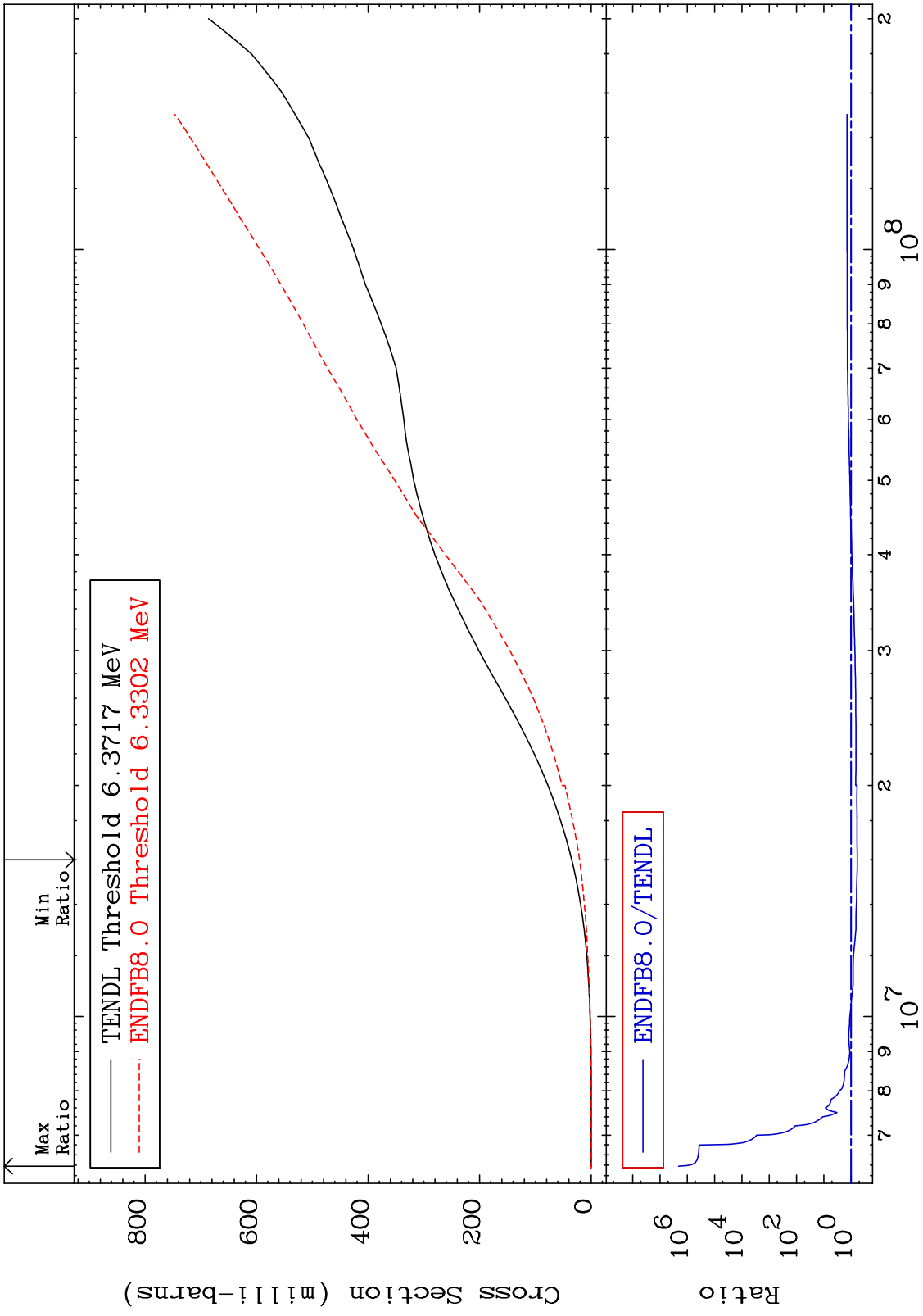
-100.0 To 9999. %



MAT 2437

Hydrogen Production
Cross Section

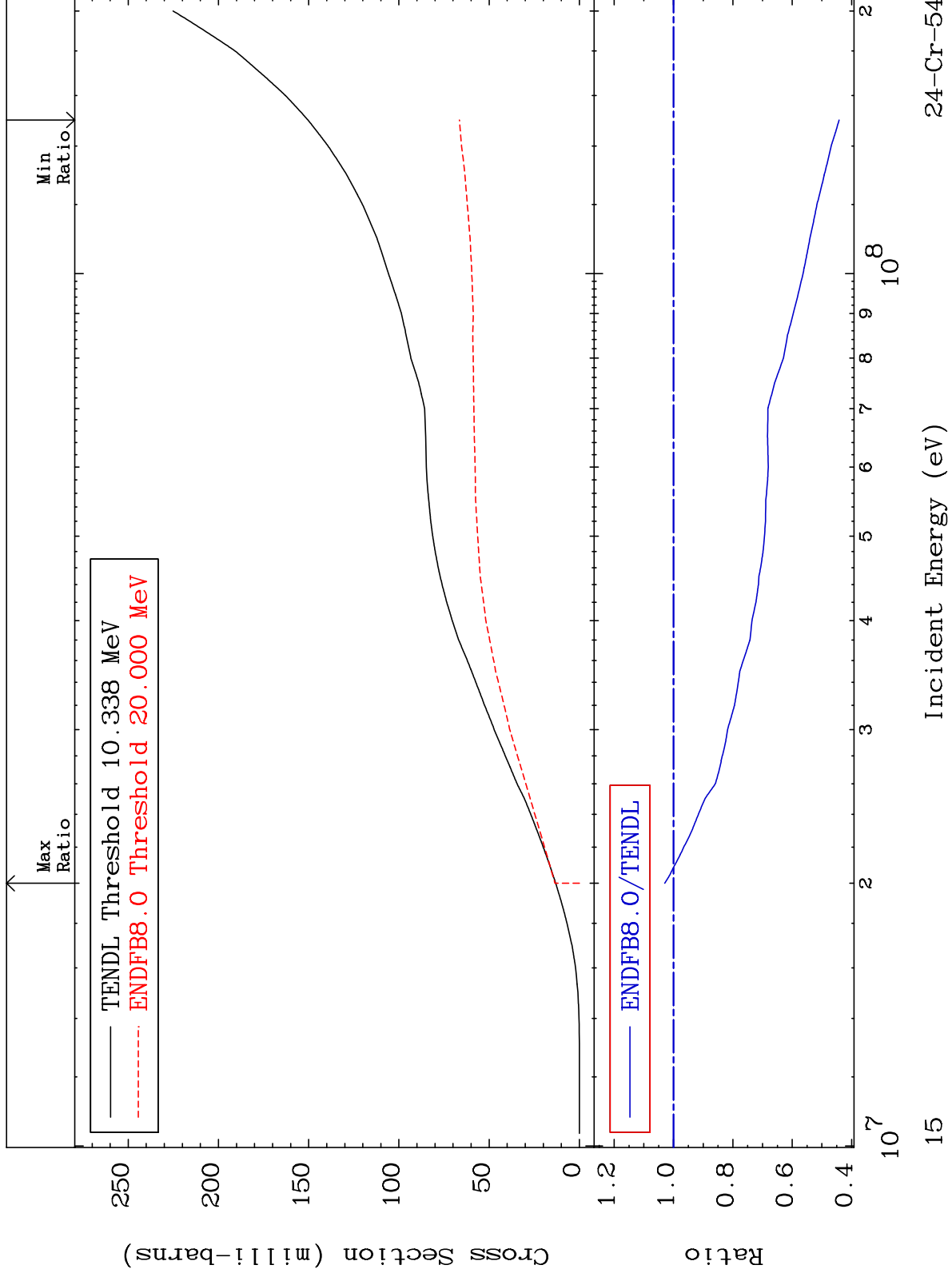
²⁴Cr-54
-40.99 To 9999. %



MAT 2437

Deuterium Production
Cross Section

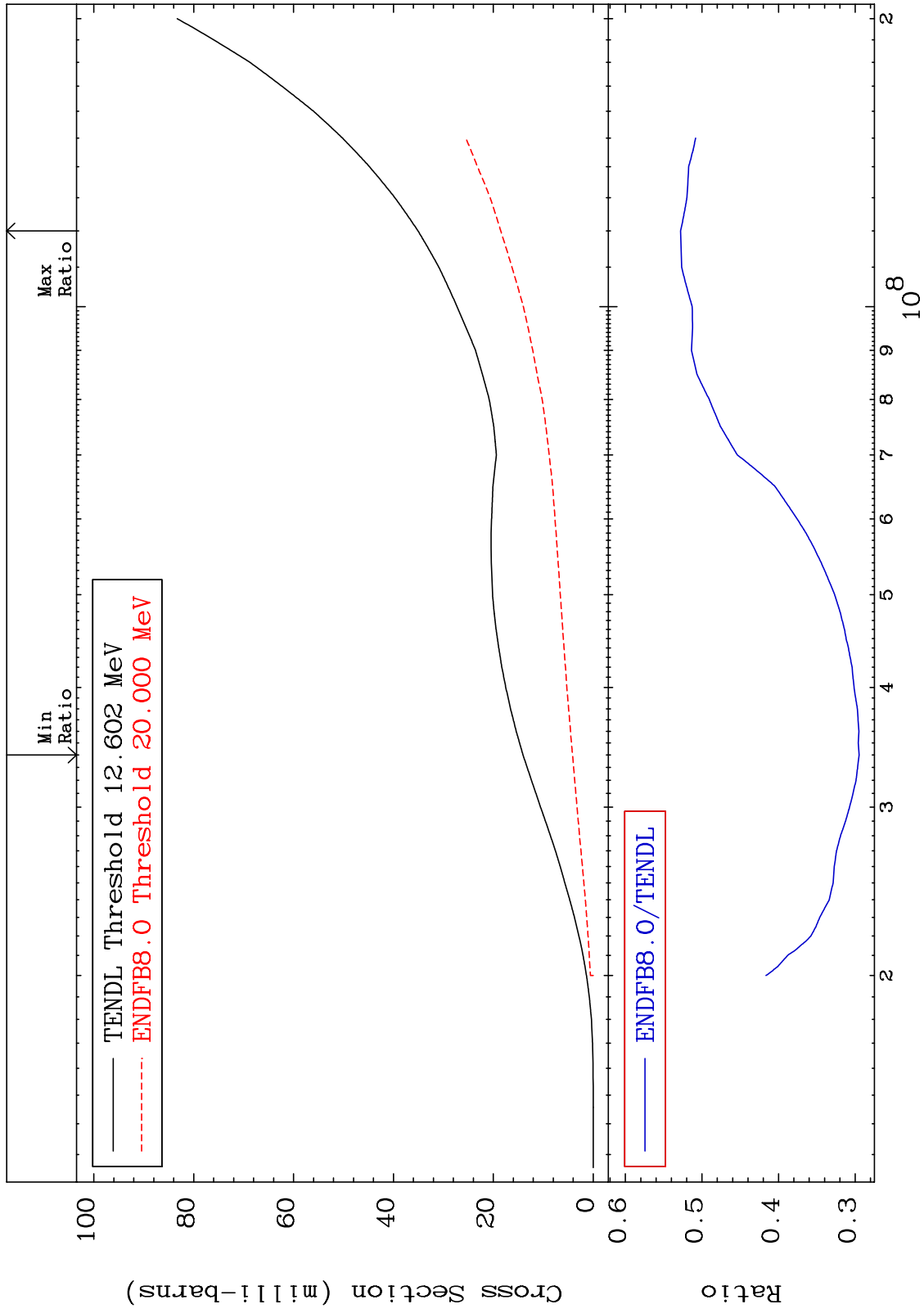
24-Cr-54
-55.80 To 2.953 %



MAT 2437

Tritium Production
Cross Section

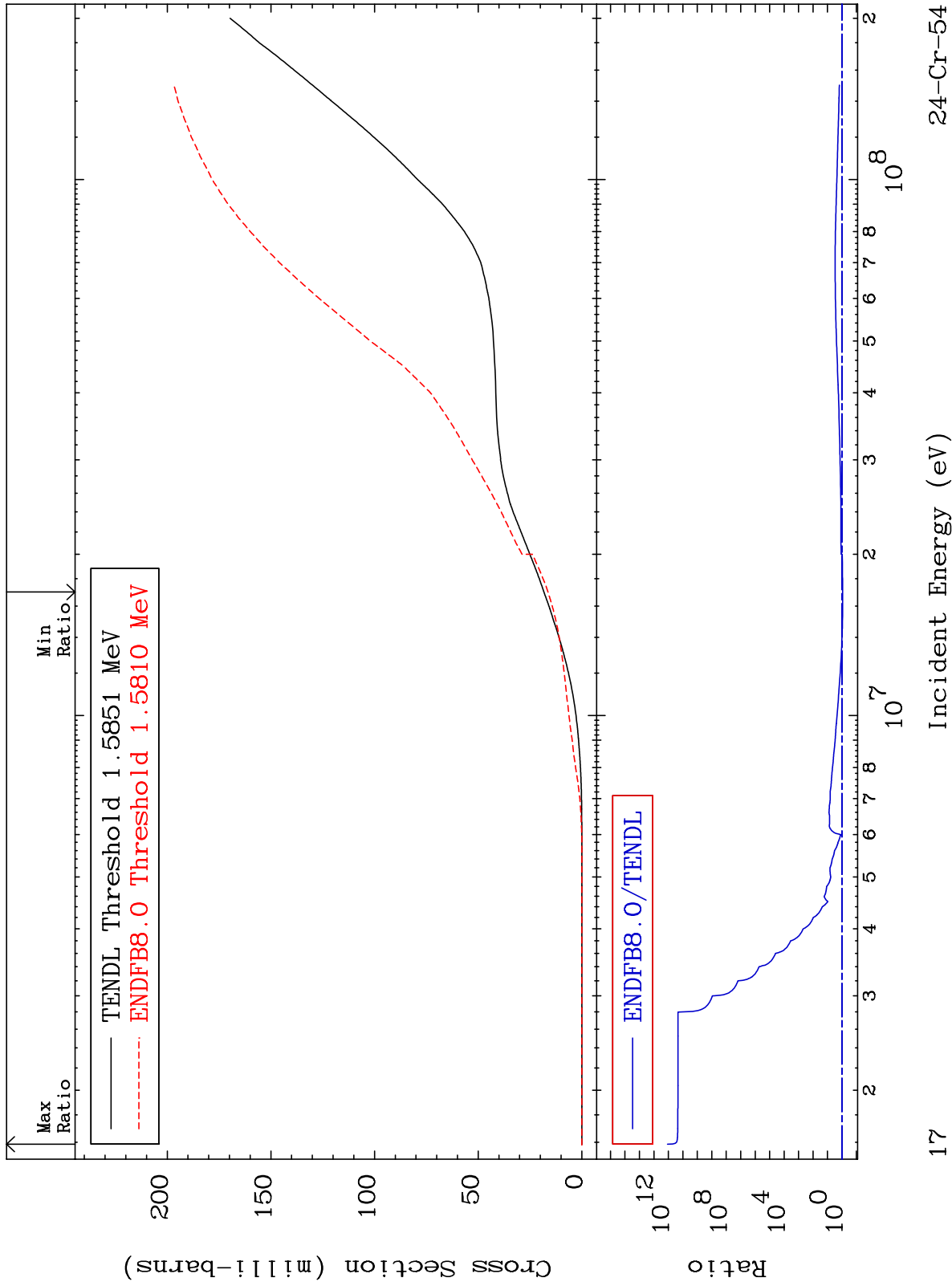
$^{24}\text{Cr-54}$
-70.52 To -47.21%



MAT 2437

He-4 Production
Cross Section

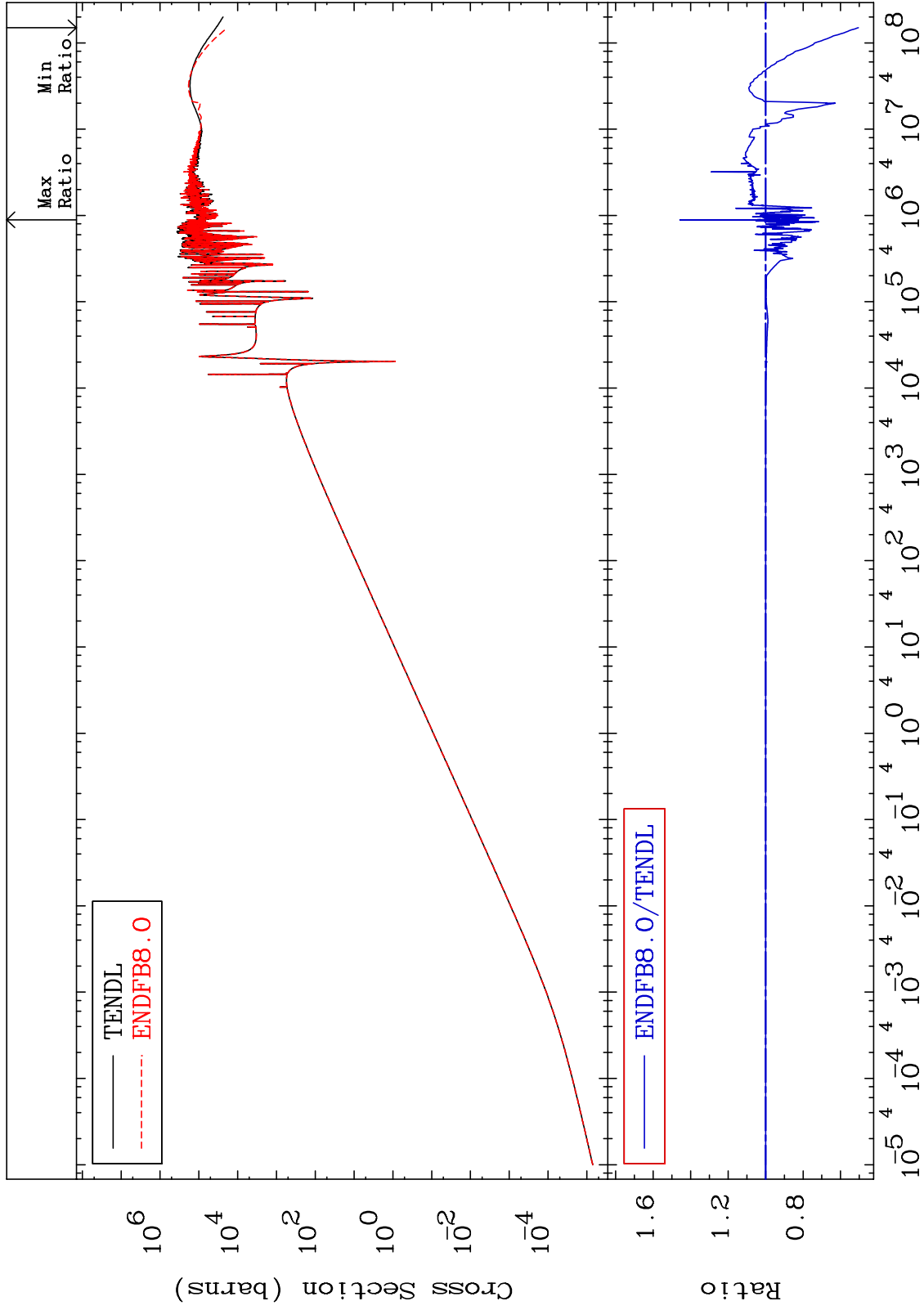
²⁴Cr-54
-10.68 To 9999. %



MAT 2437

Kerma elastic
Cross Section

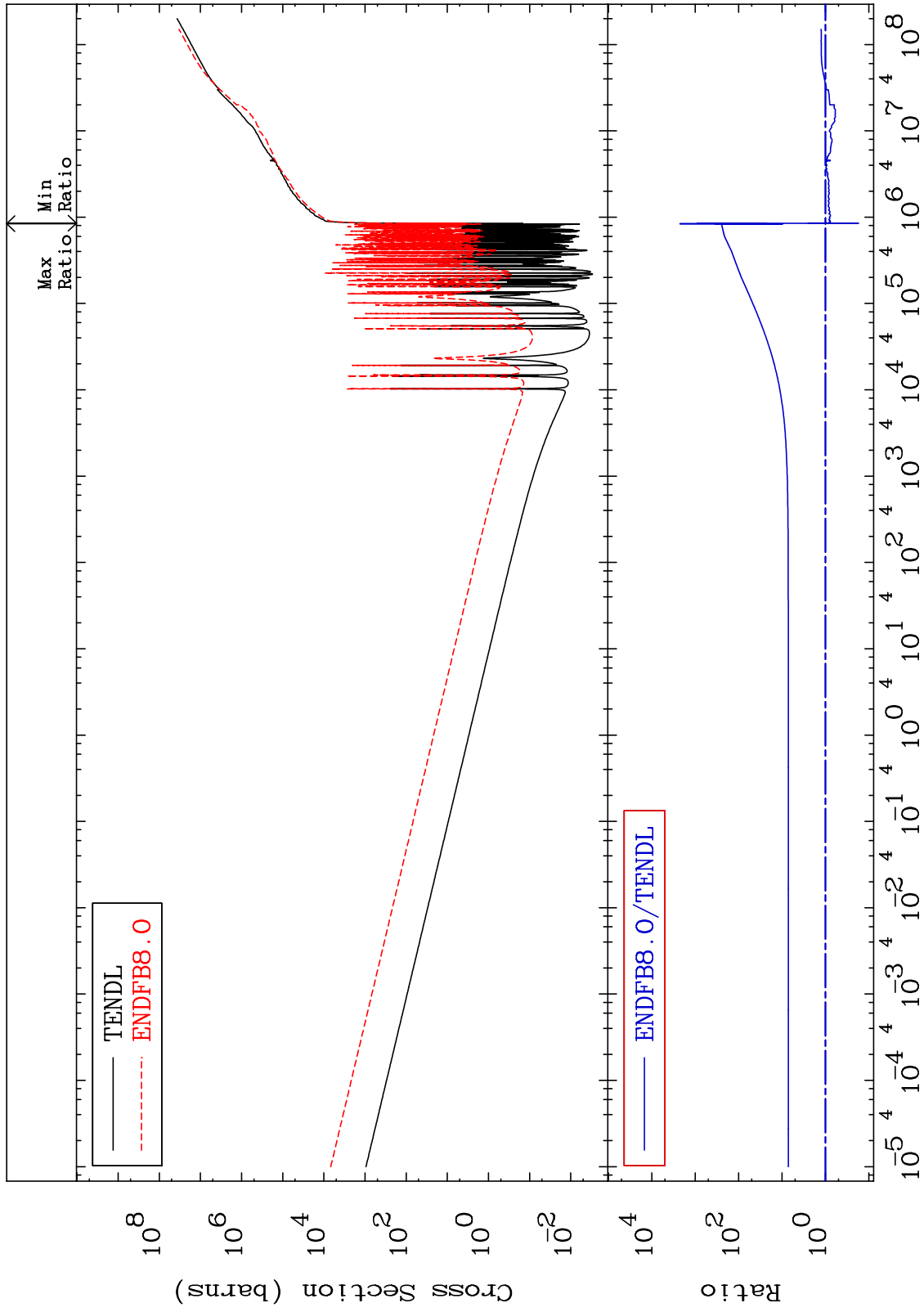
24-Cr-54
-49.52 To 45.65 %



MAT 2437

Kerma non-elastic (all but mt2)
Cross Section

24-Cr-54
-82.58 To 9999. %



20

Incident Energy (eV)

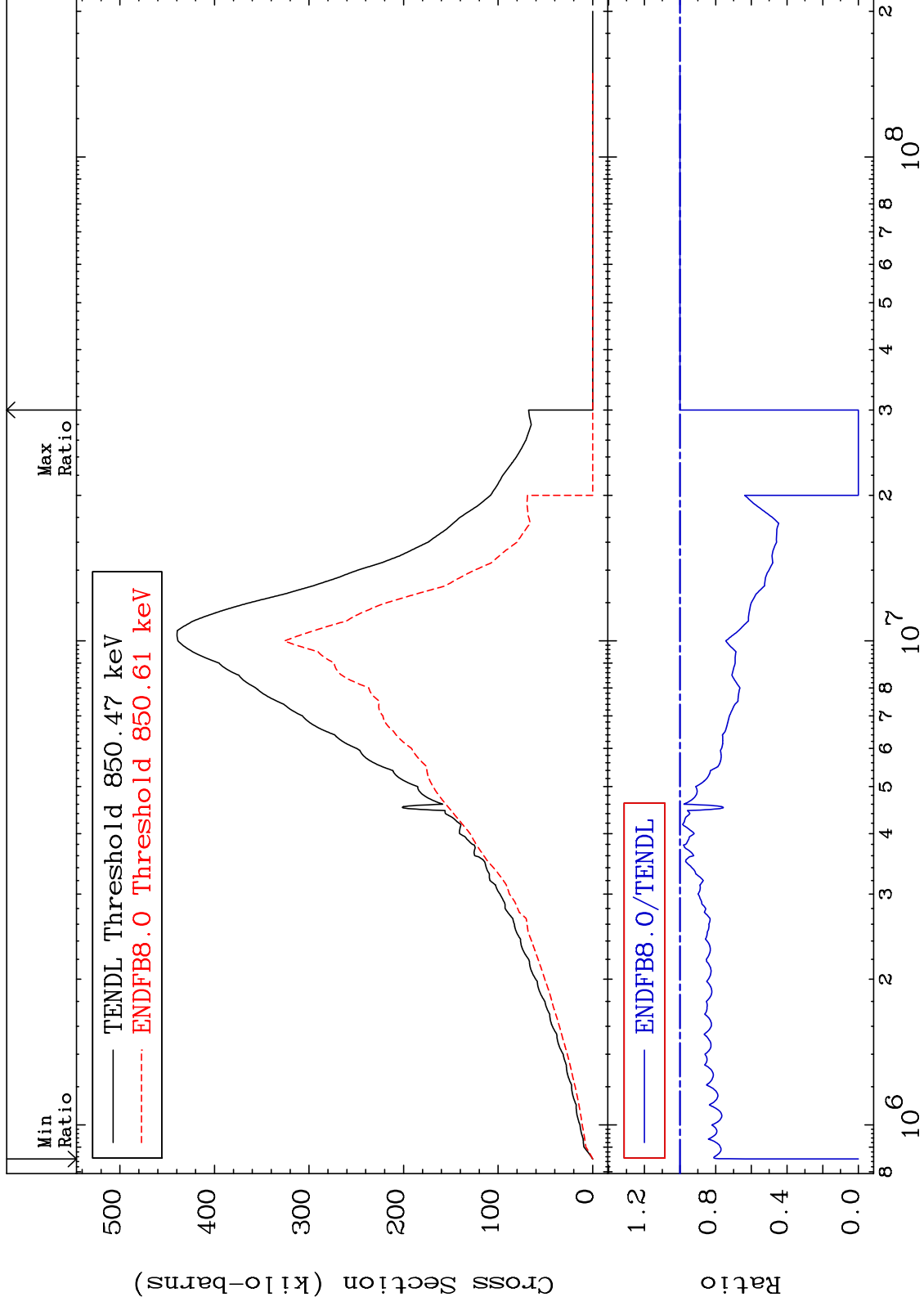
24-Cr-54

MAT 2437

Kerma inelastic (mt51-91)

24-Cr-54

-100.0 To 0.000 %



21

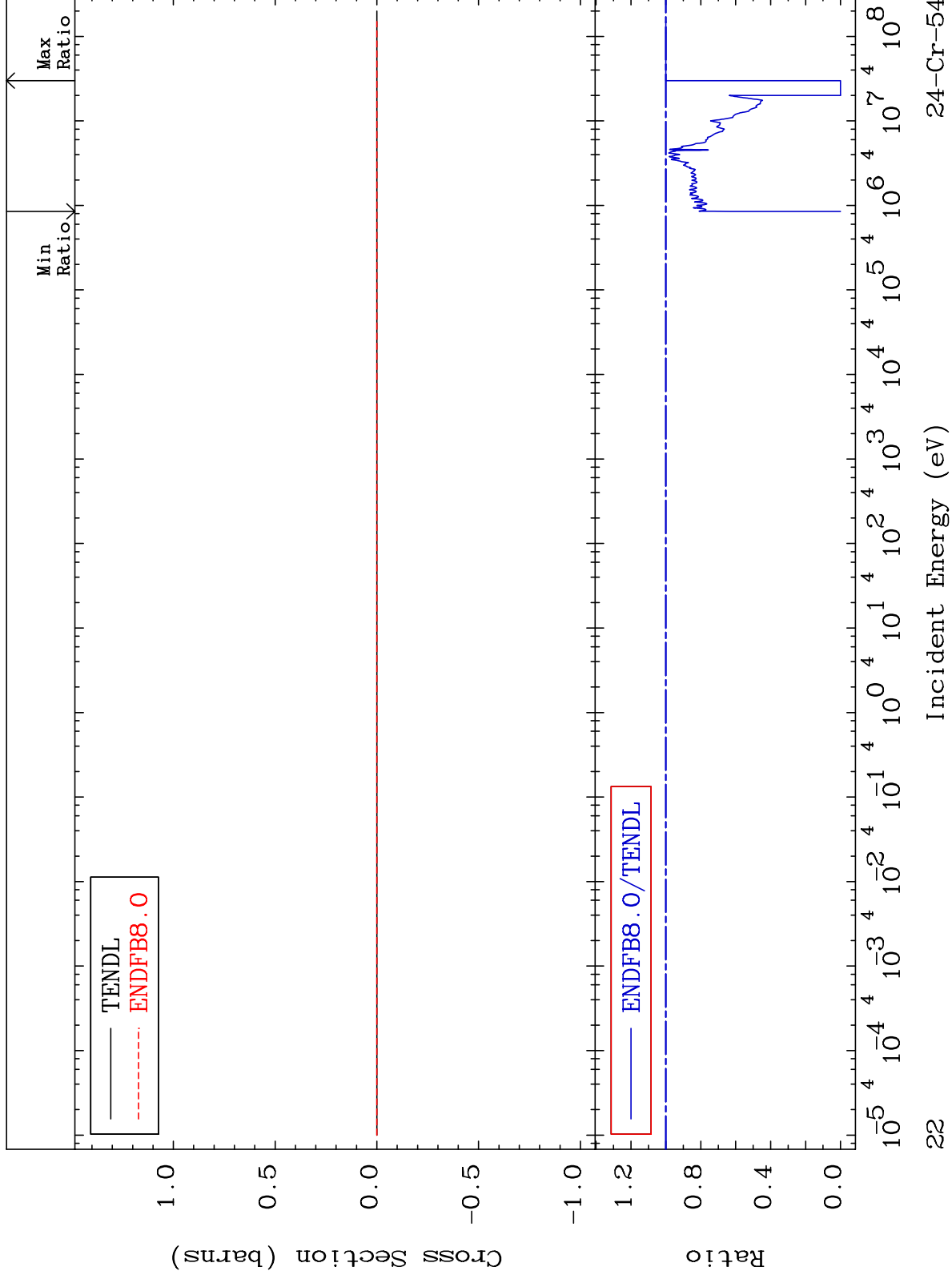
Incident Energy (eV)

24-Cr-54

MAT 2437

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

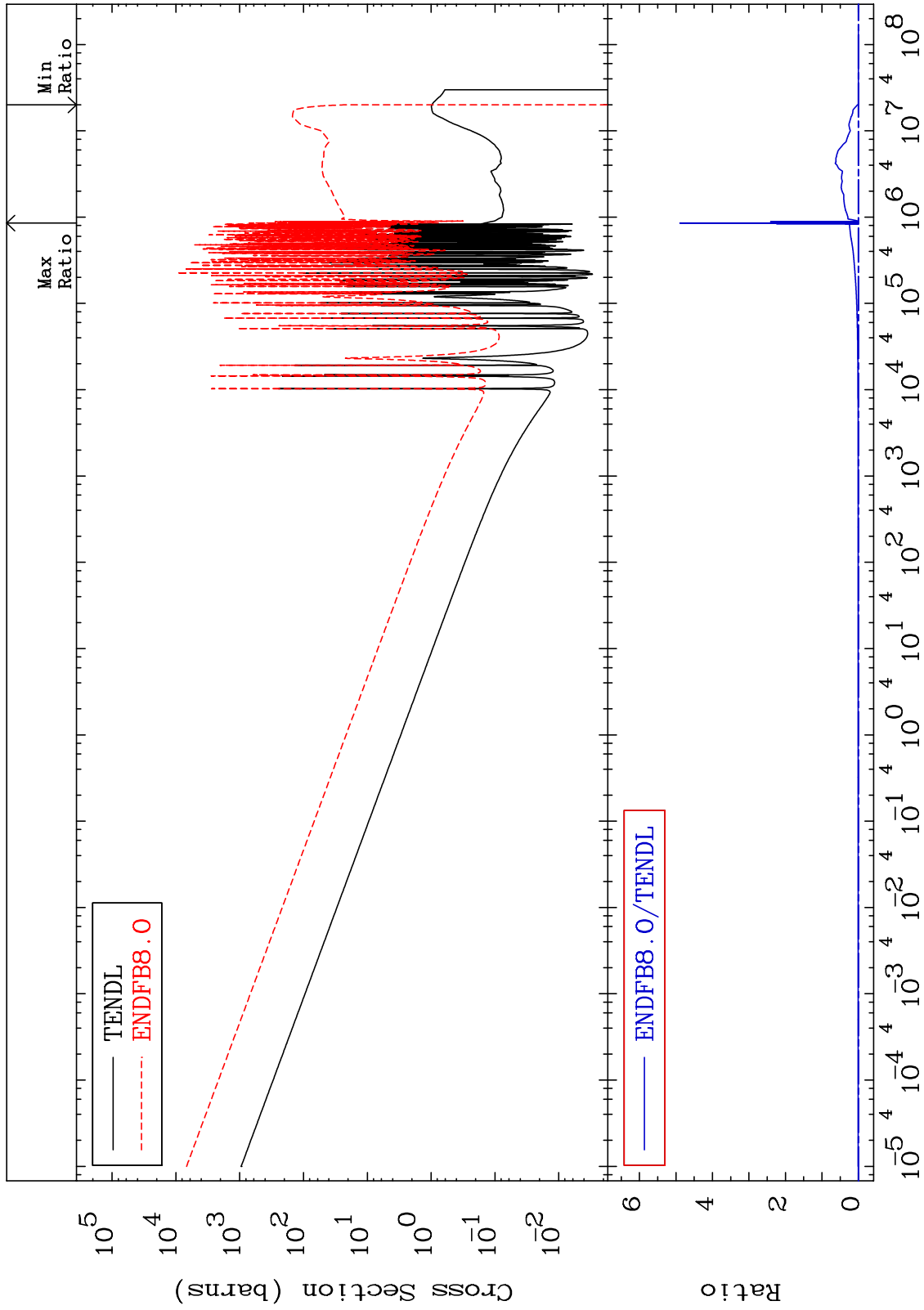
24-Cr-54
-100.0 To 0.000 %



MAT 2437

Kerma capture (mt102)
Cross Section

24-Cr-54
-100.0 To 9999. %



23

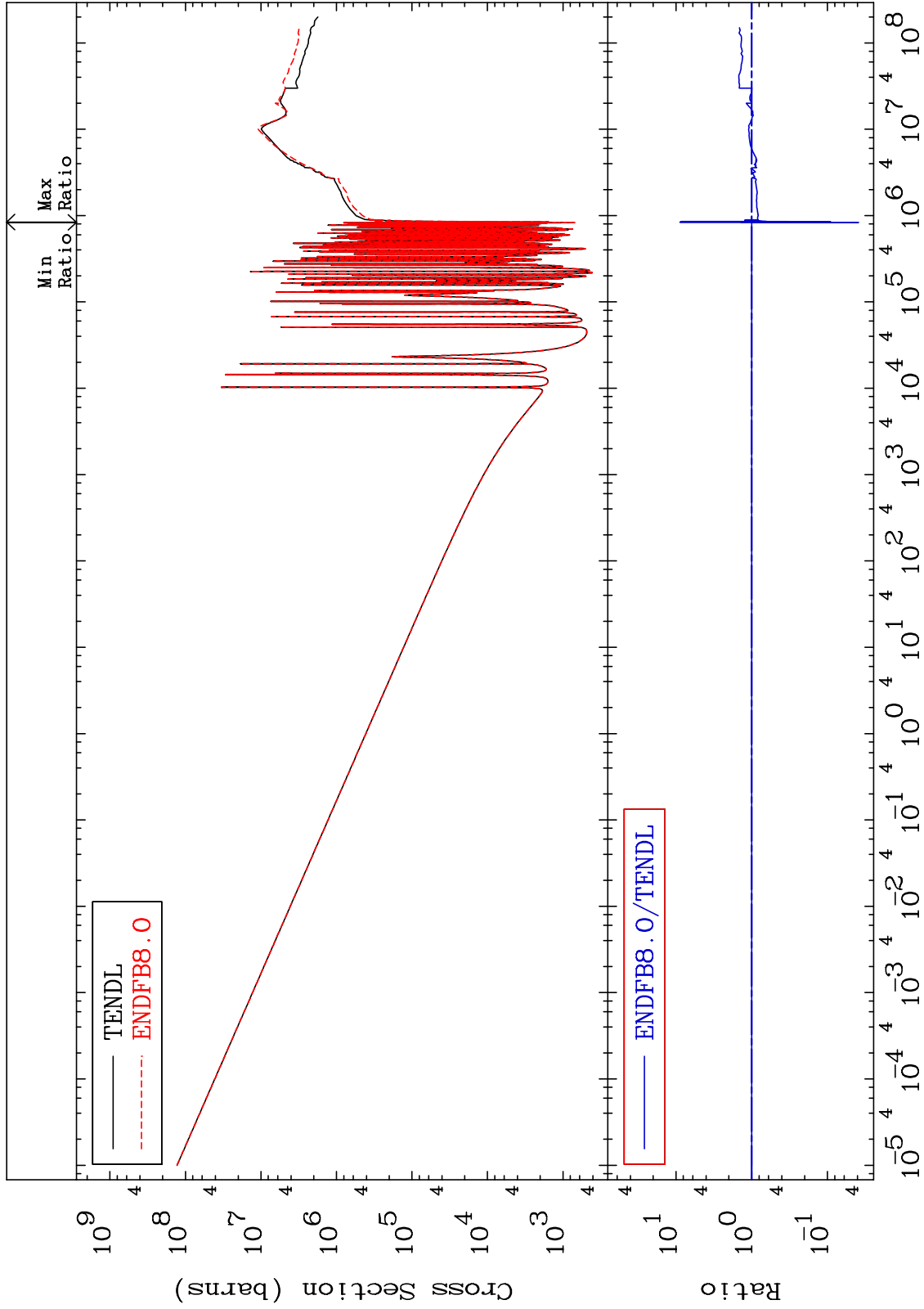
Incident Energy (eV)

24-Cr-54

MAT 2437

Total photon (eV-barns)
Cross Section

24-Cr-54
-96.11 To 784.5 %

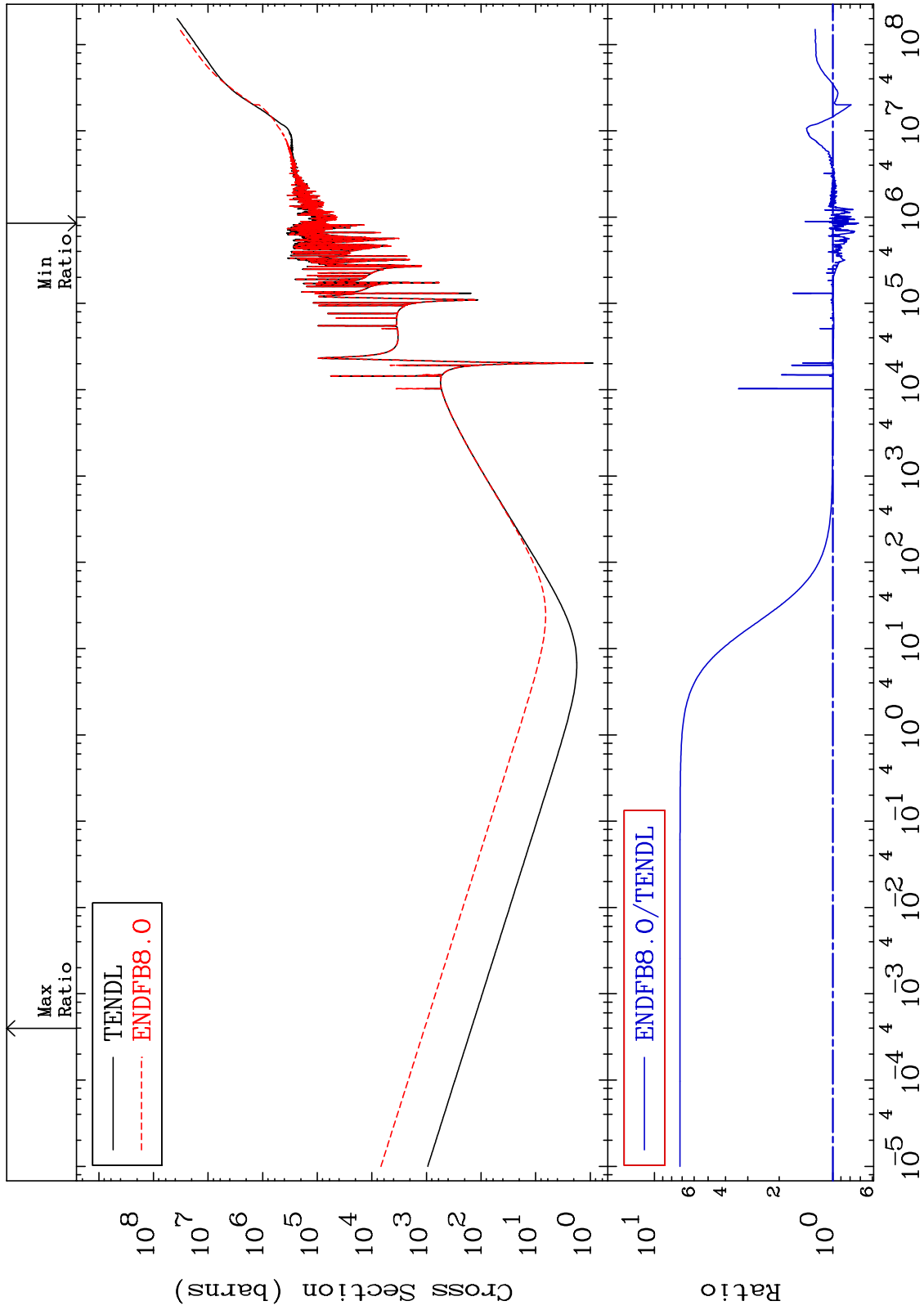


24

Incident Energy (eV)

24-Cr-54

MAT 2437 Total kinematic kerma (high limit) 24-Cr-54
 Cross Section -28.15 To 618.9 %

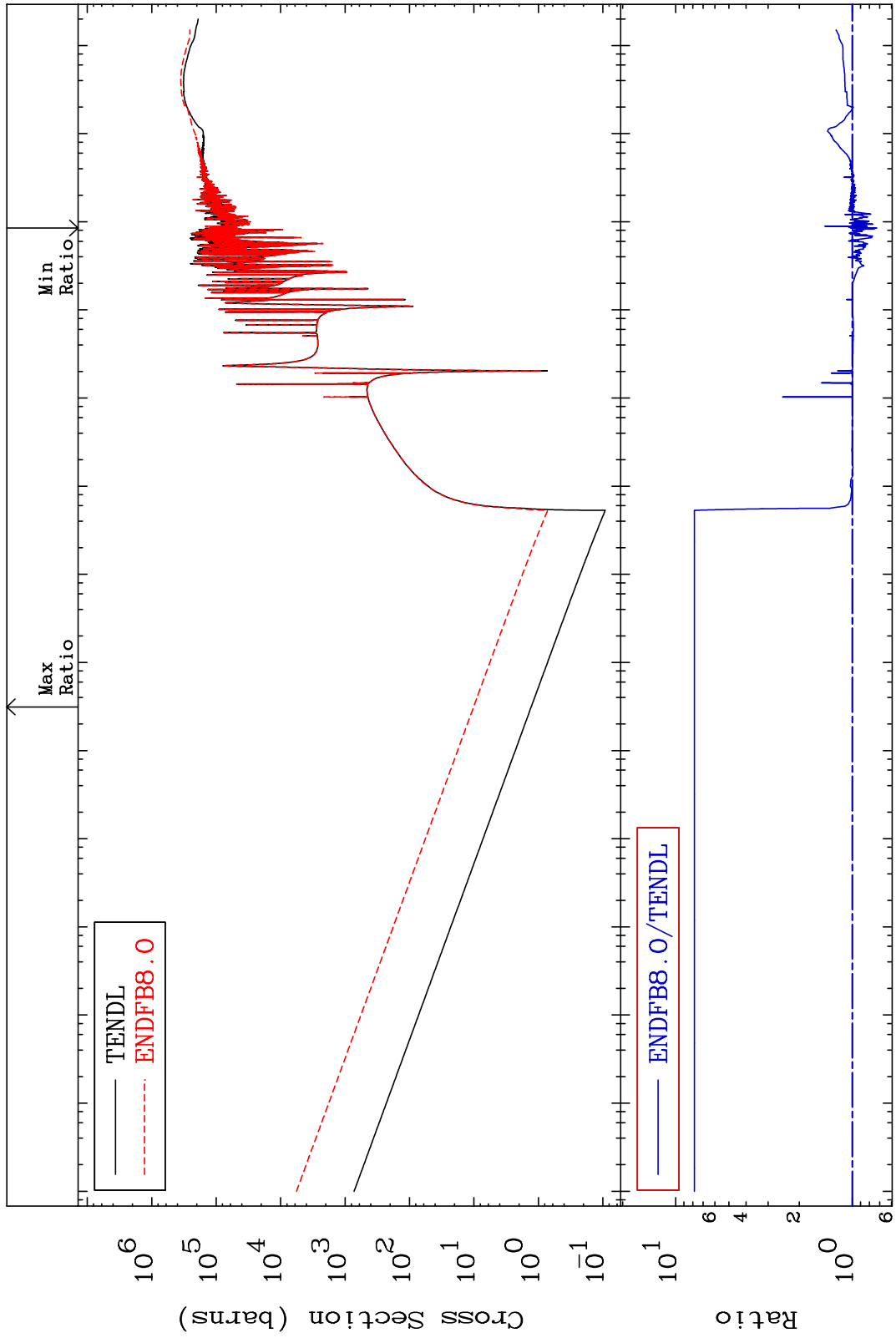


MAT 2437

Dpa total (eV-barns)
Cross Section

24-Cr-54

-27.07 To 683.6 %



26

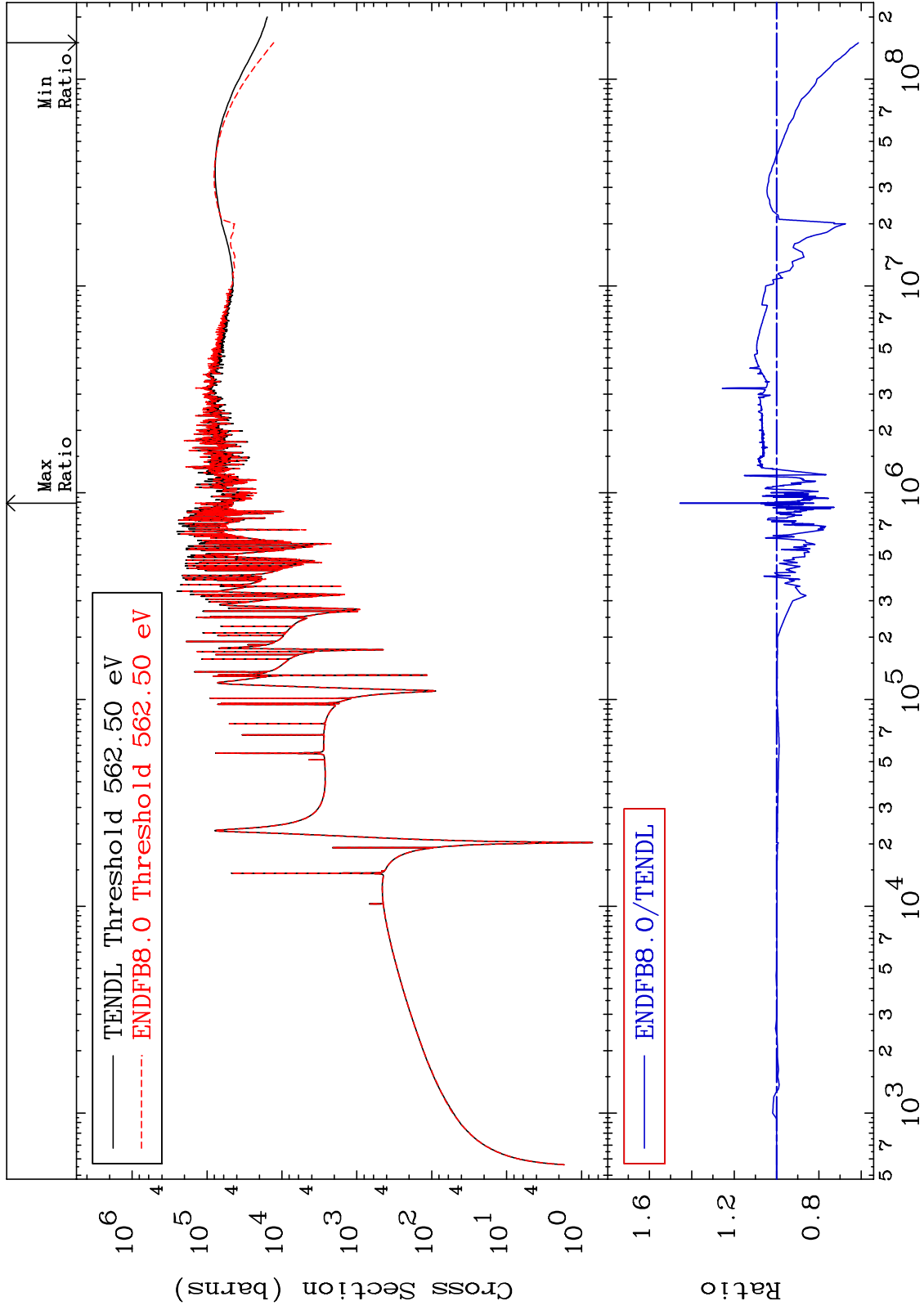
Incident Energy (eV)

24-Cr-54

MAT 2437

Dpa elastic (mt2)
Cross Section

24-Cr-54
-38.67 To 45.57 %



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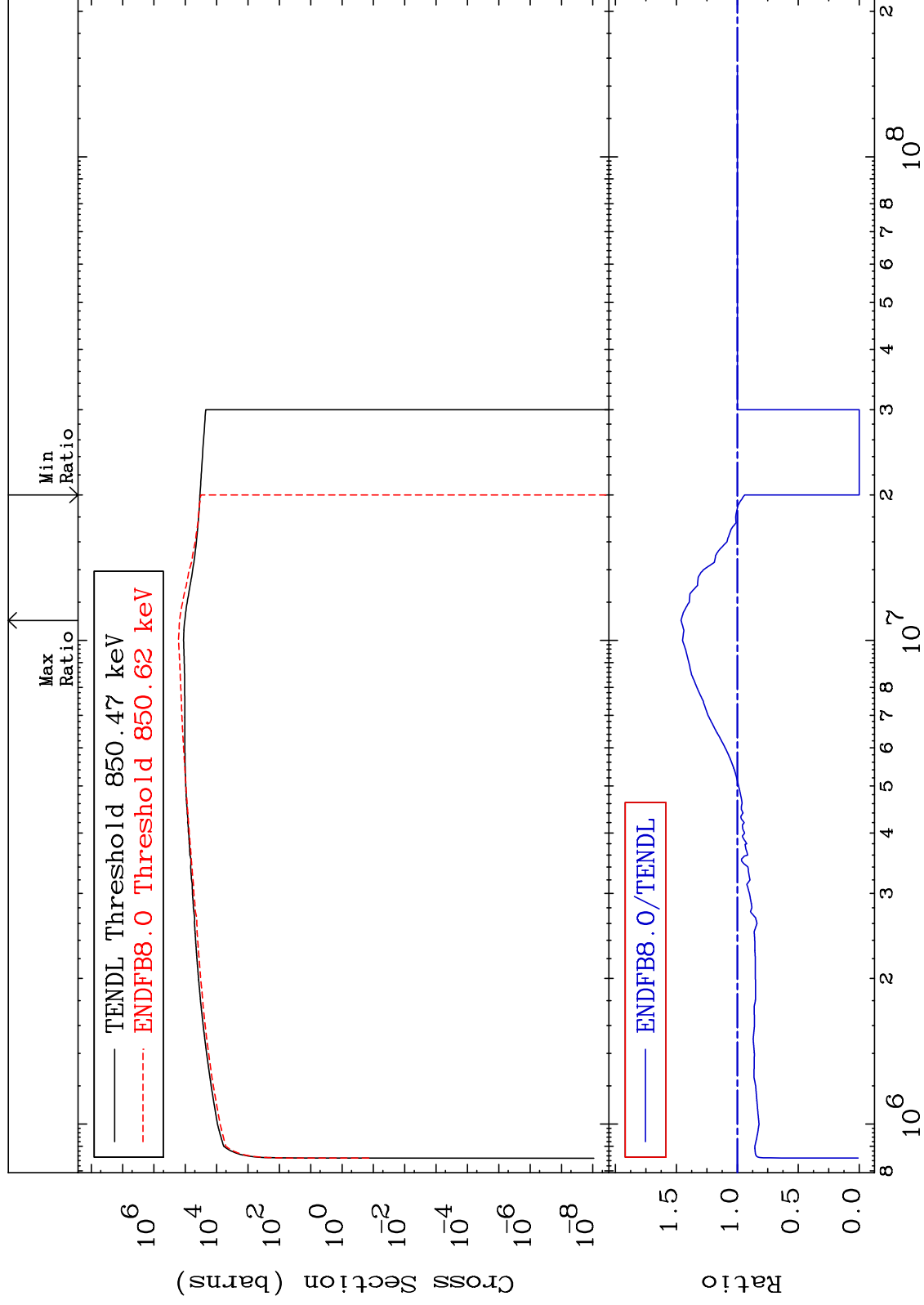
Incident Energy (eV)

24-Cr-54

MAT 2437

Dpa inelastic (mt51-91)
Cross Section

24-Cr-54
-100.0 To 46.14 %



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Incident Energy (eV)

24-Cr-54

MAT 2437

Dpa disappearance (mt102 -120)
Cross Section

24-Cr-54
-100.0 To 9999. %

