

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](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

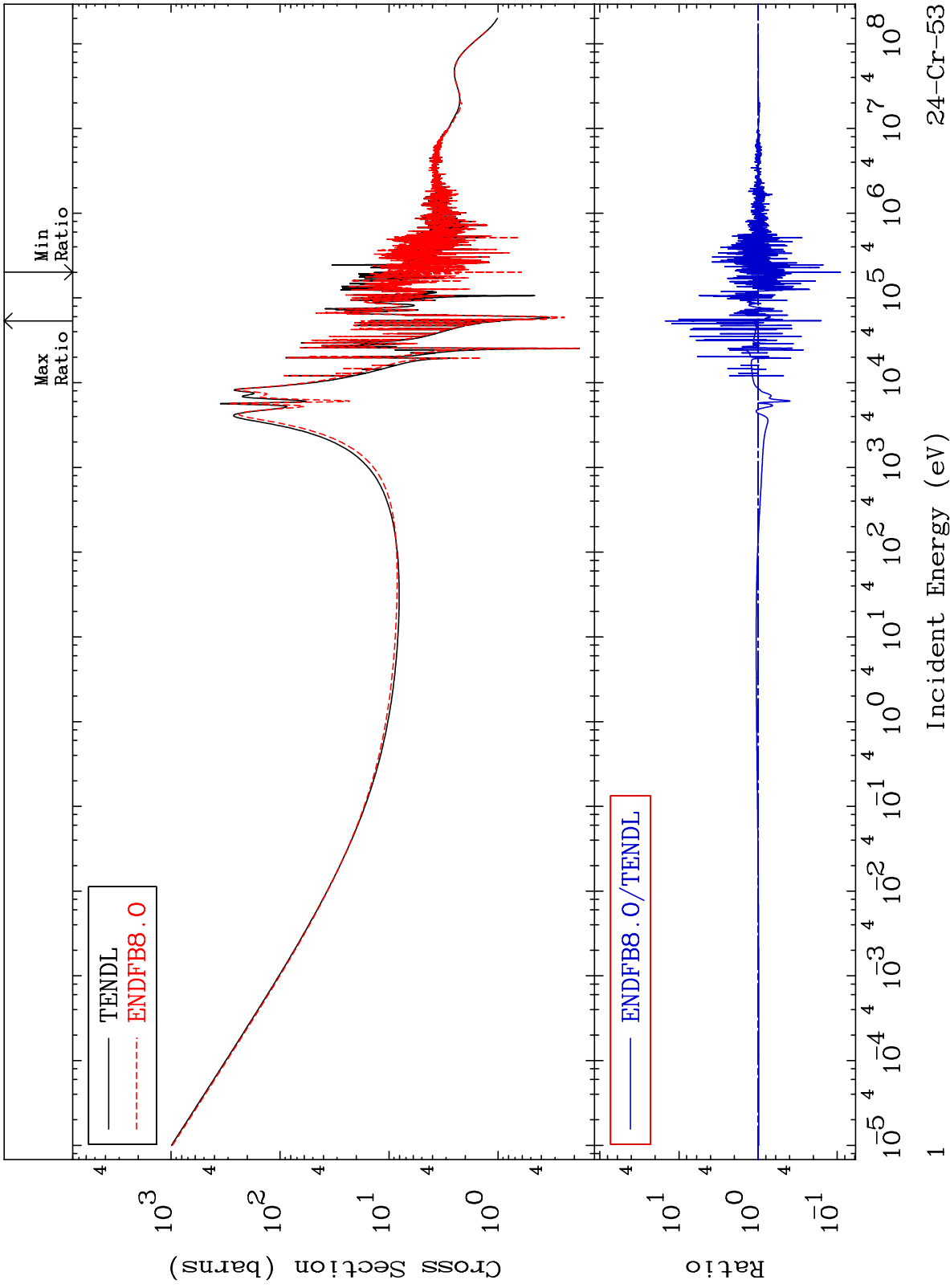
MAT 2434

Total

24-Cr-53

Cross Section

-90.94 To 1383. %



Incident Energy (eV)

24-Cr-53

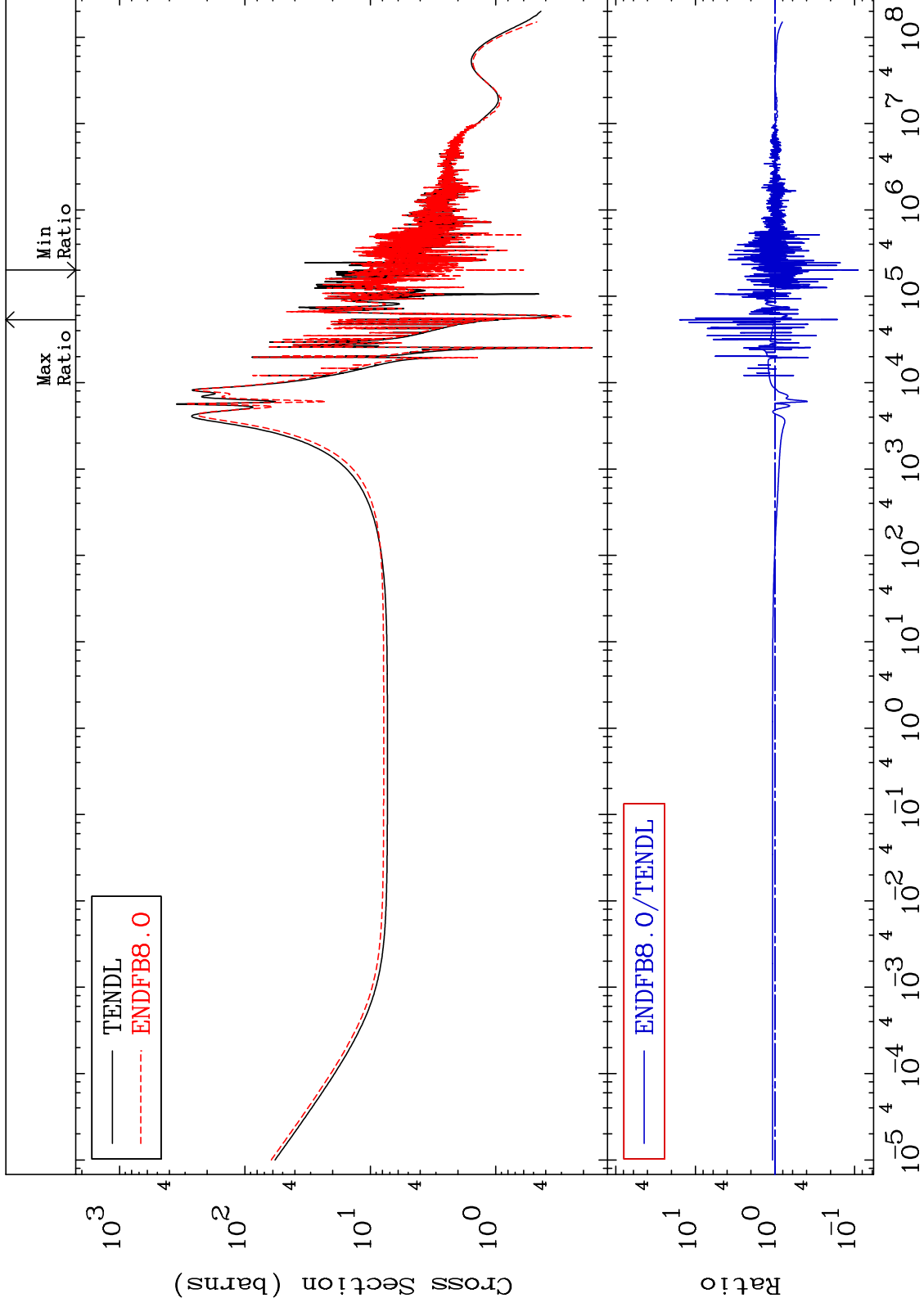
MAT 2434

Elastic

Cross Section

24-Cr-53

-91.04 To 1469. %



Incident Energy (eV)

24-Cr-53

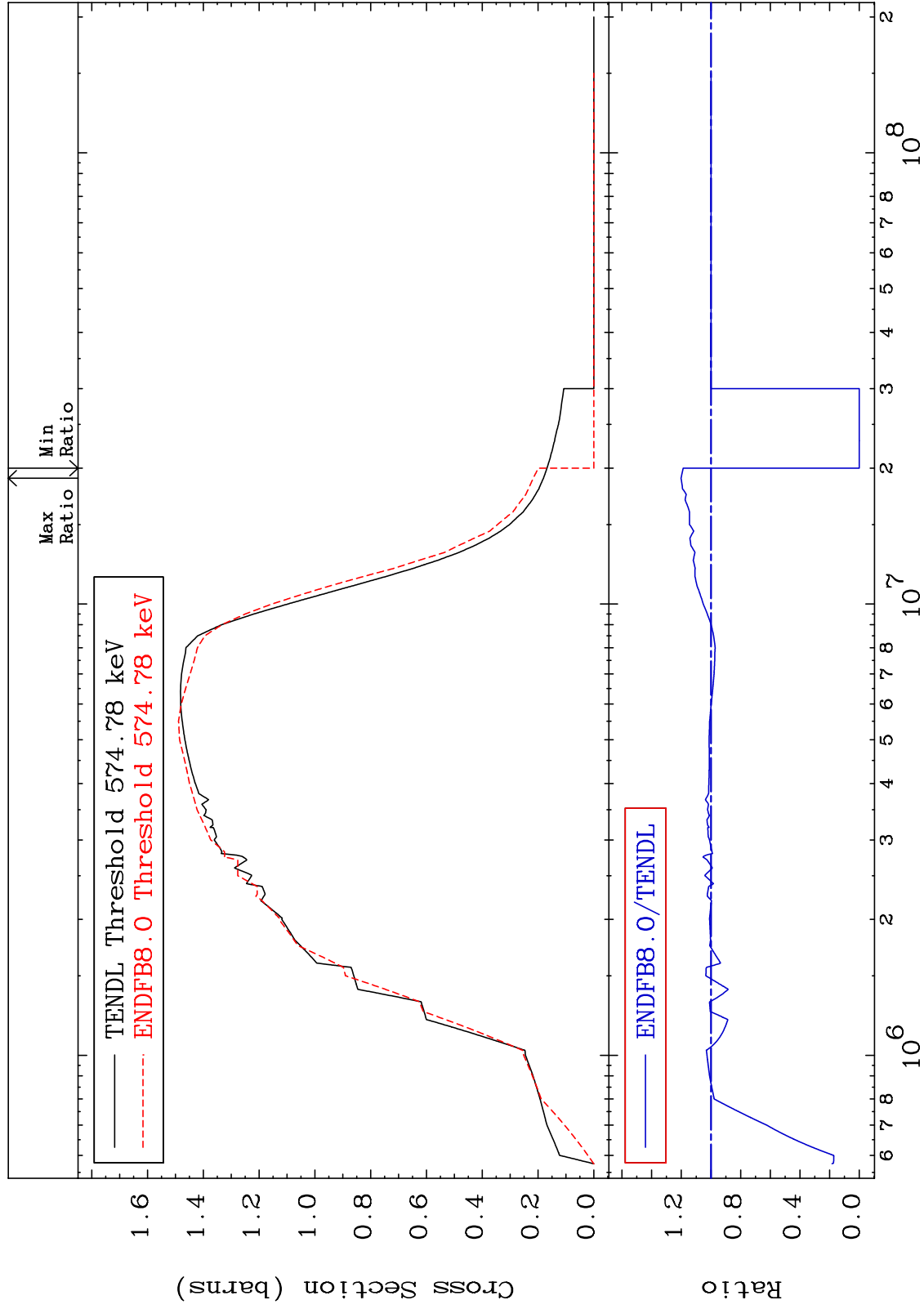
2

MAT 2434

Inelastic  
Cross Section

24-Cr-53

-100.0 To 20.17 %



3

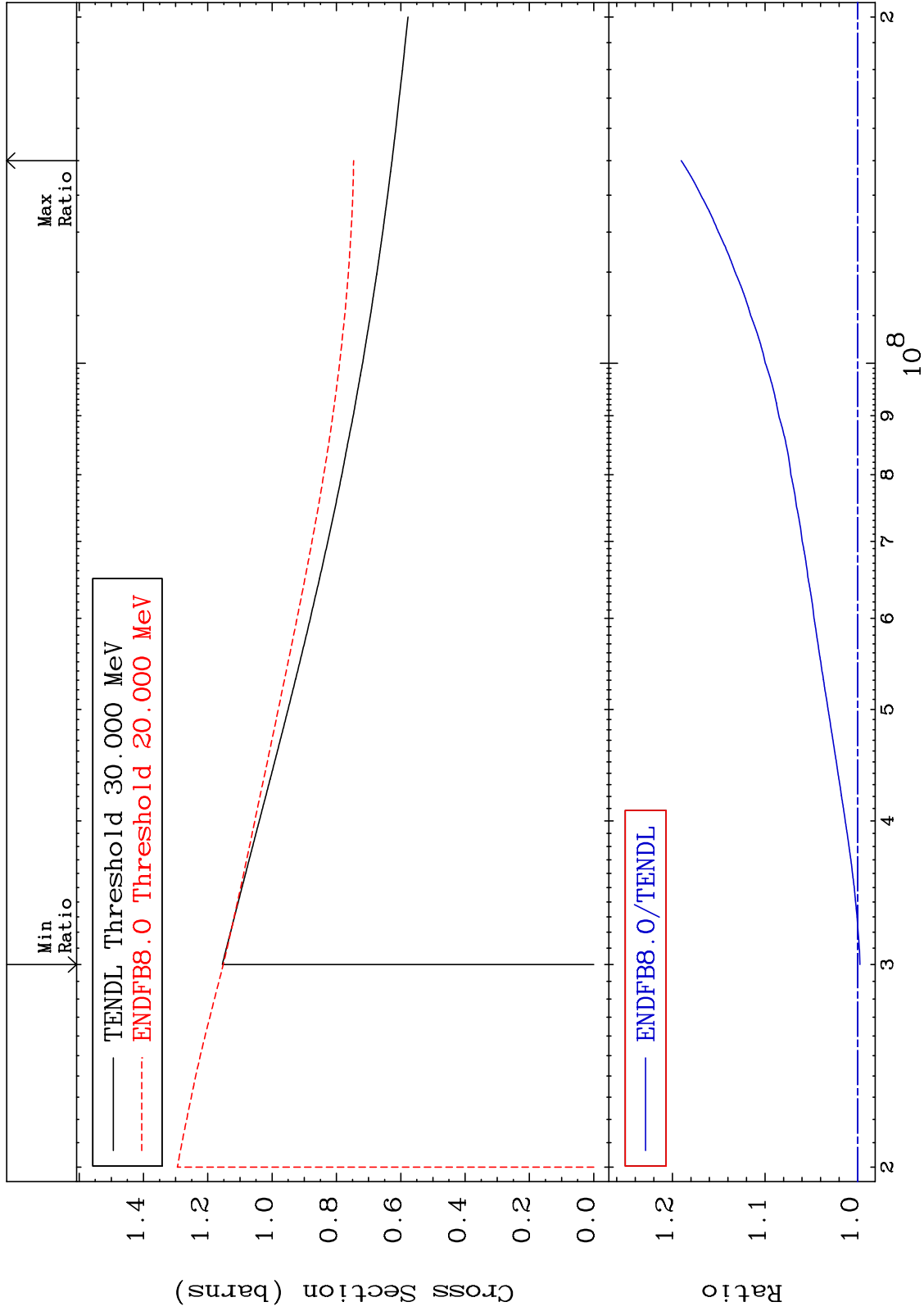
Incident Energy (eV)

24-Cr-53

MAT 2434

(n, remainder)  
Cross Section

24-Cr-53  
-0.248 To 19.05 %



Incident Energy (eV)

24-Cr-53

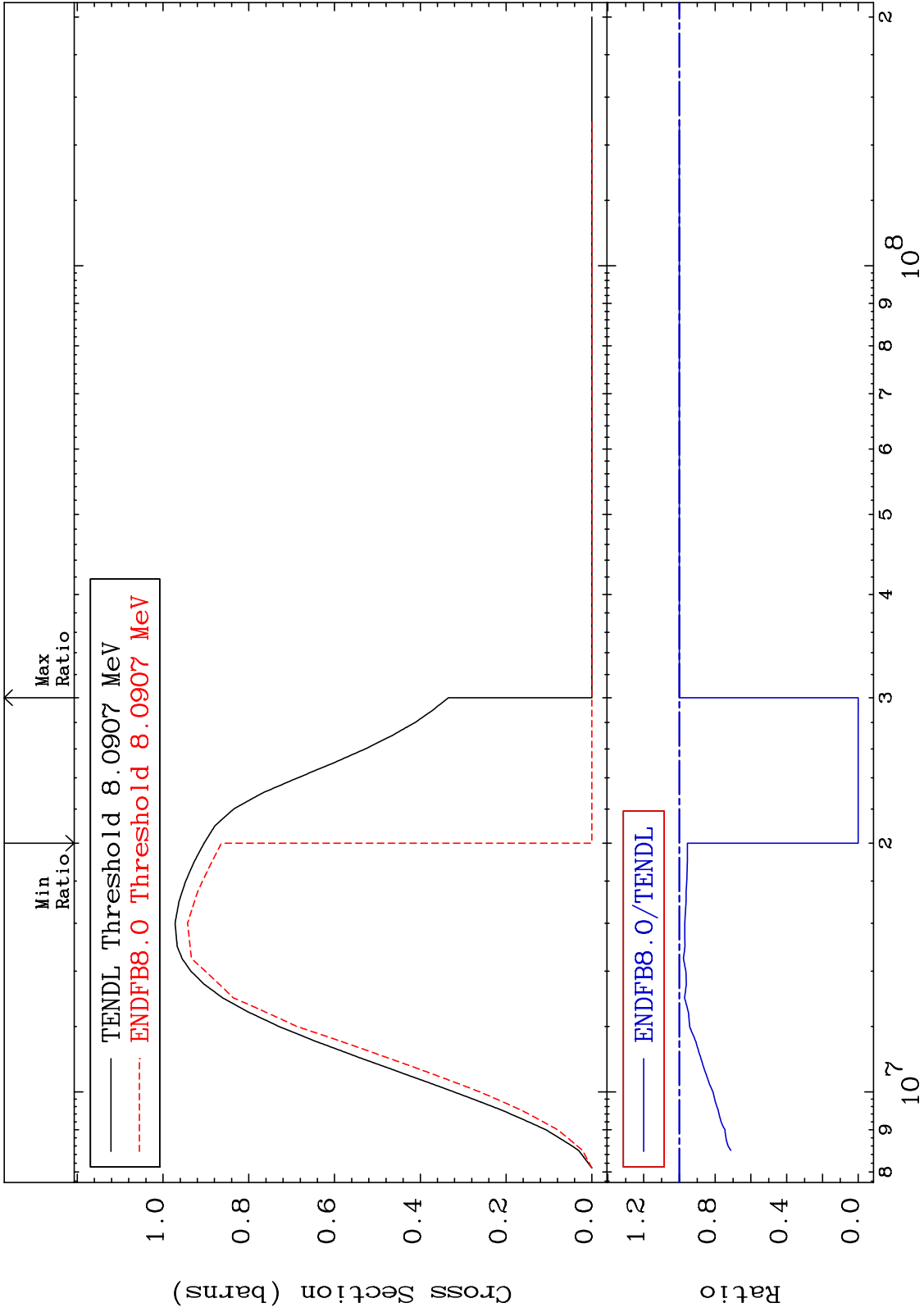
MAT 2434

(n,2n)

24-Cr-53

-100.0 To 0.000 %

Cross Section



5

Incident Energy (eV)

24-Cr-53

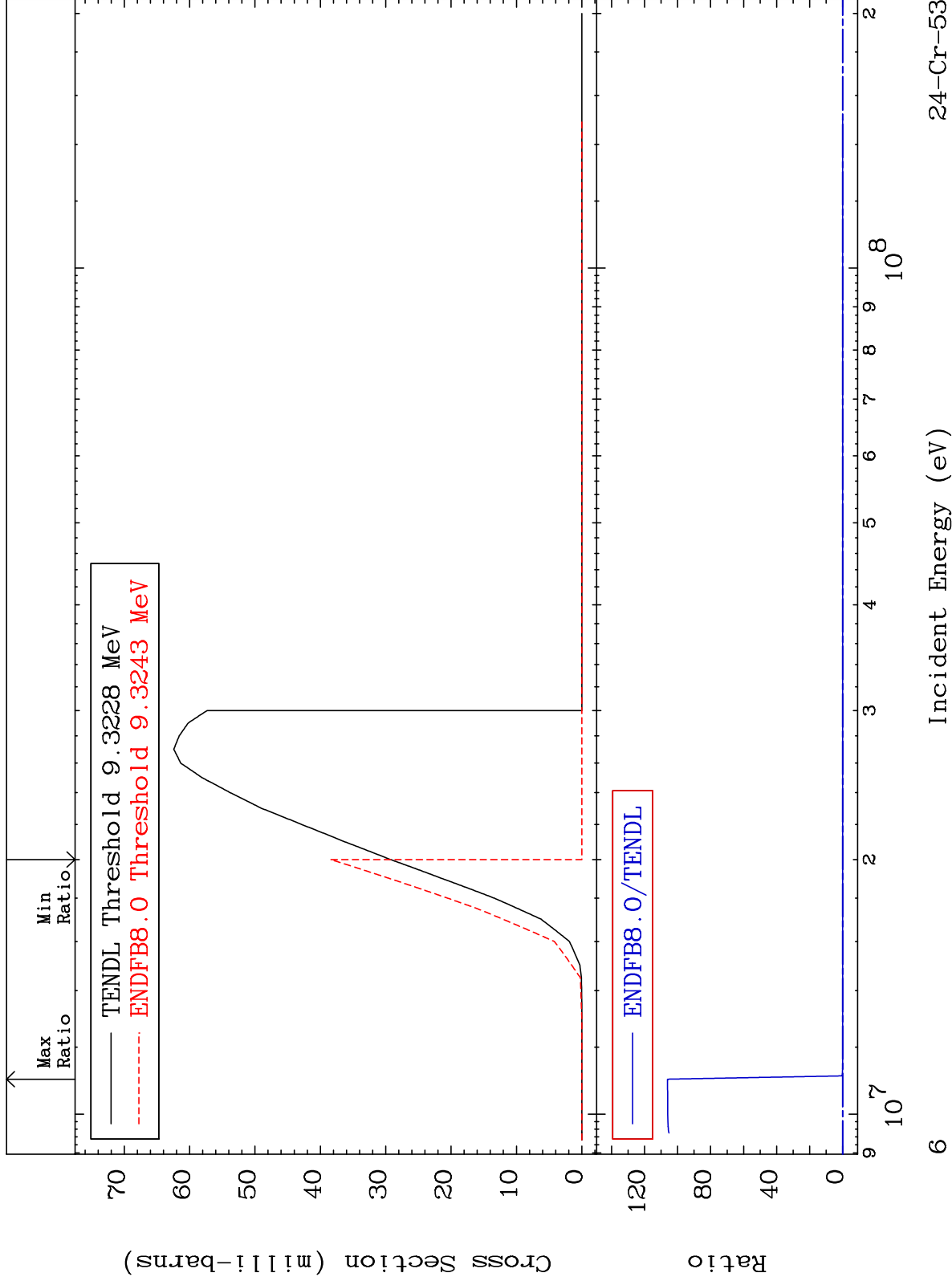
MAT 2434

(n,n')  $\alpha$

24-Cr-53

Cross Section

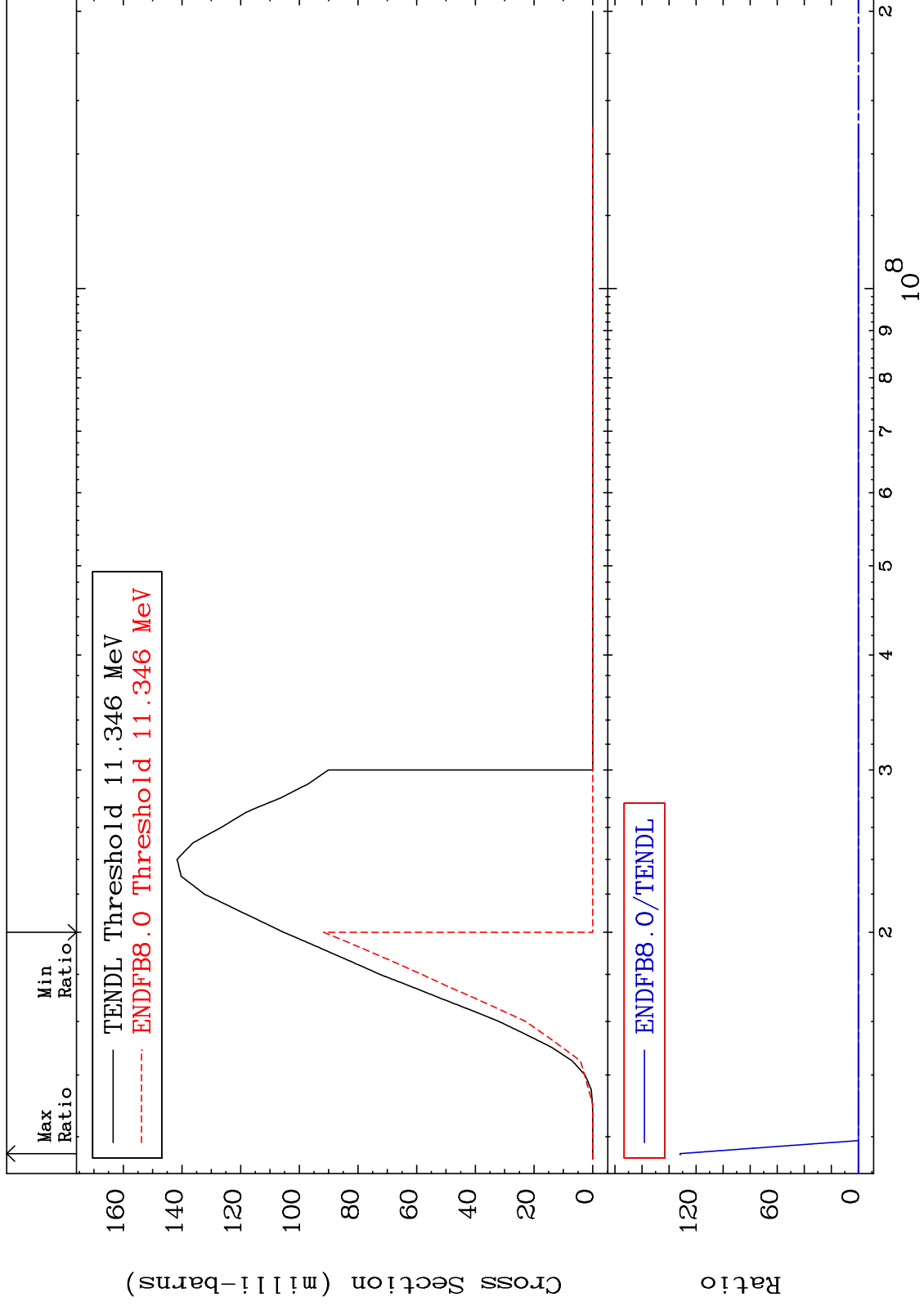
-100.0 To 9999. %



MAT 2434

(n,n') p  
Cross Section

24-Cr-53  
-100.0 To 9999. %

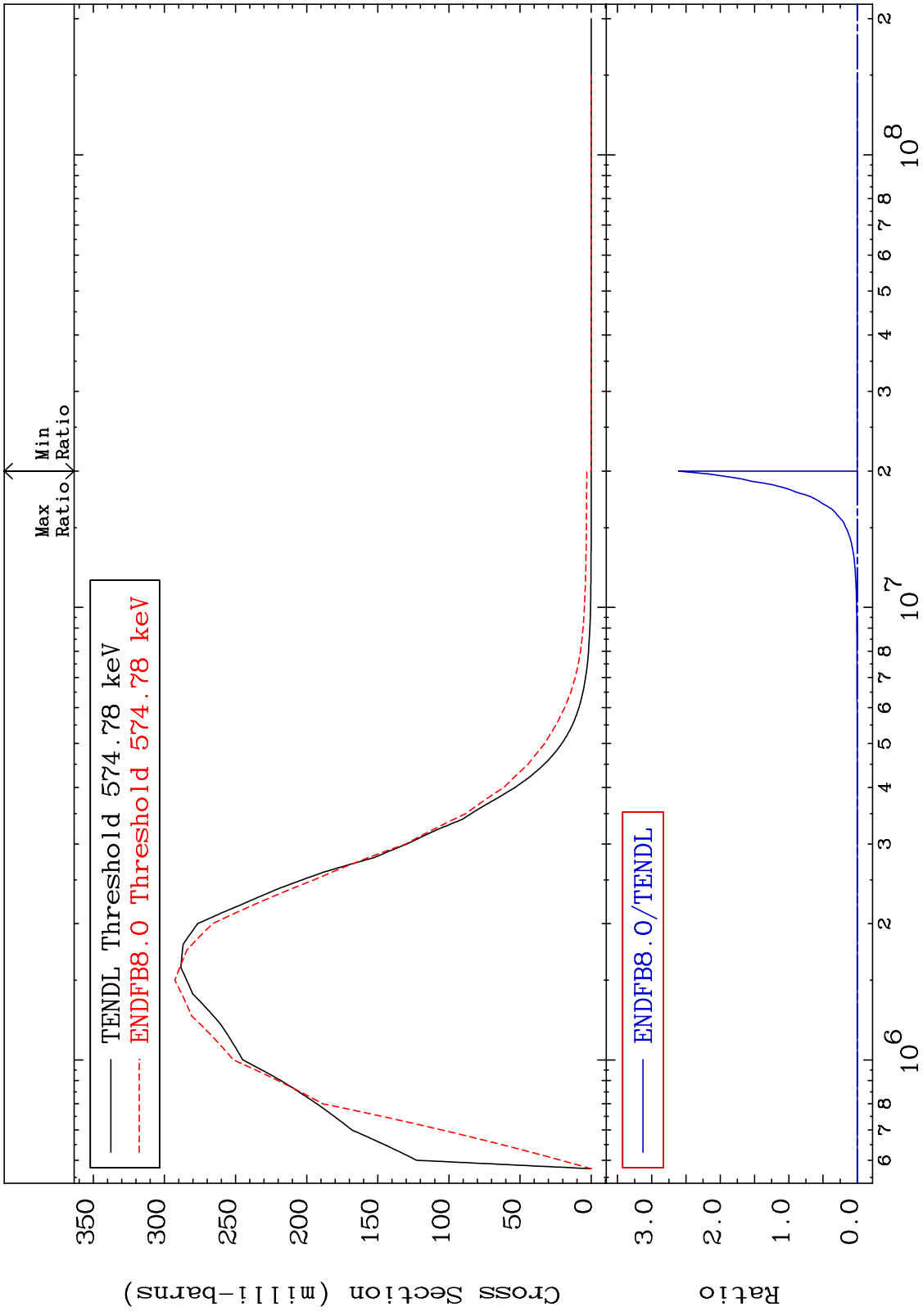




MAT 2434

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

24-Cr-53  
-100.0 To 9999. %



8

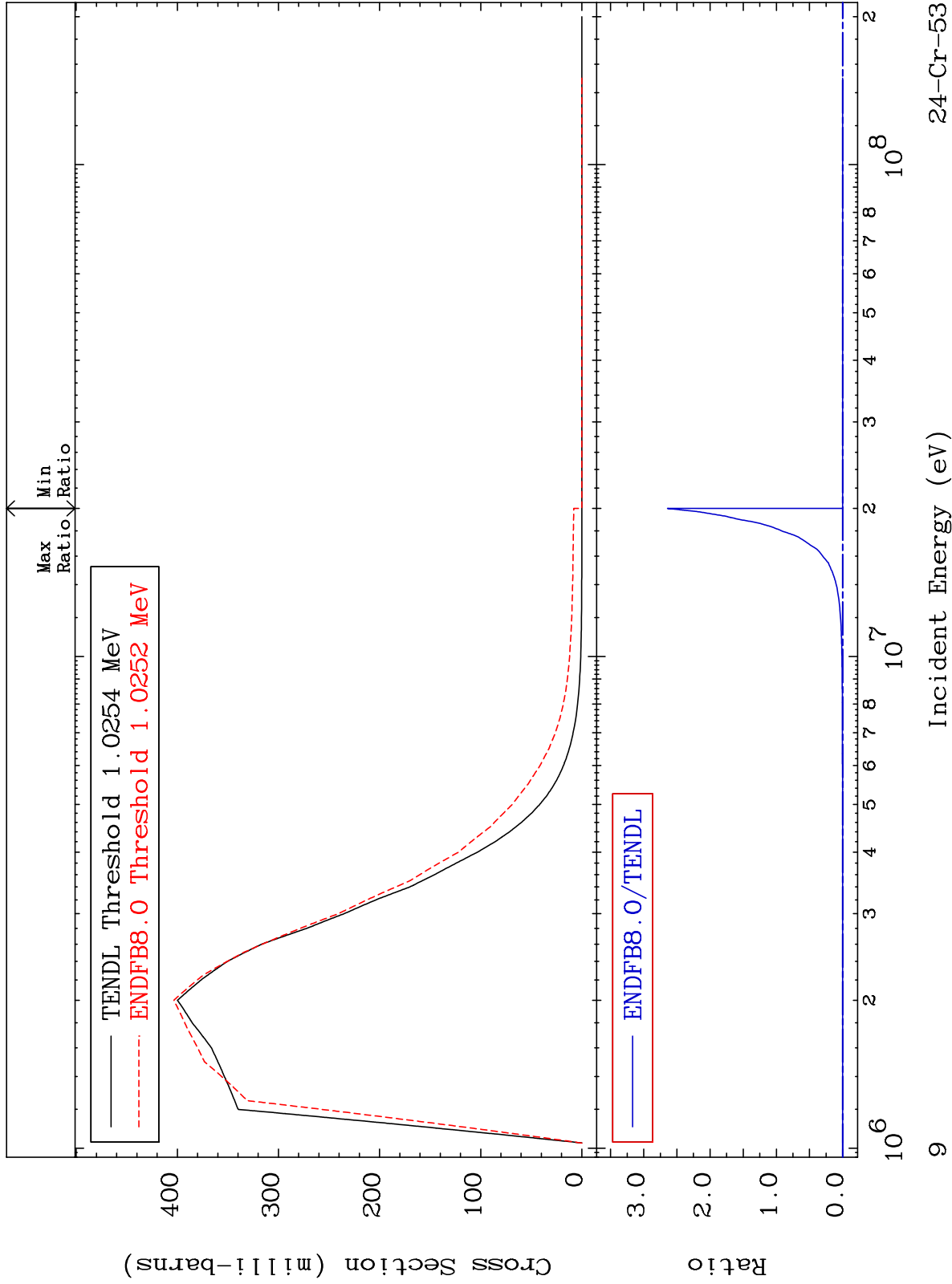
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53  
-100.0 To 9999. %

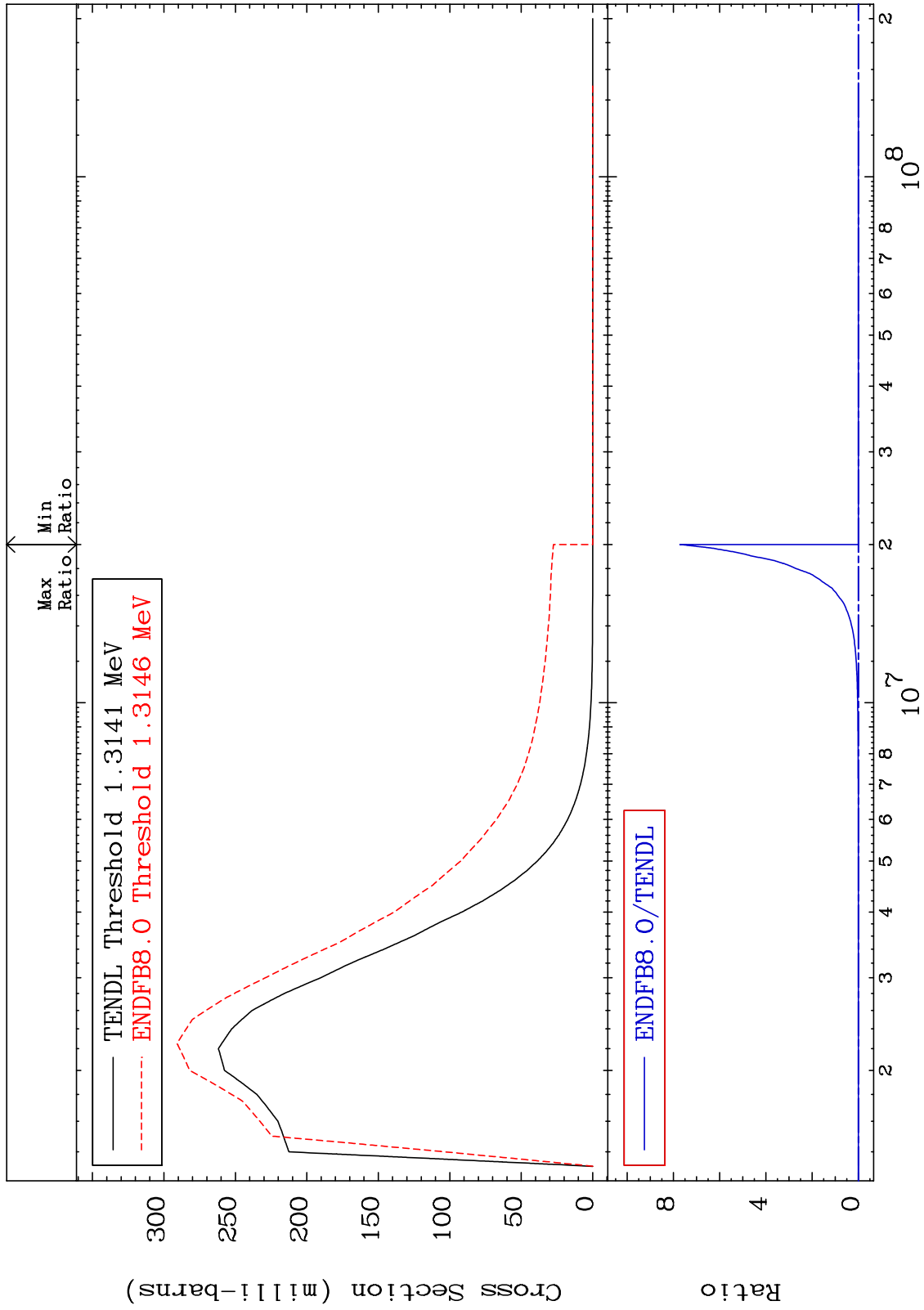


24-Cr-53

MAT 2434

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

24-Cr-53  
-100.0 To 9999. %



10

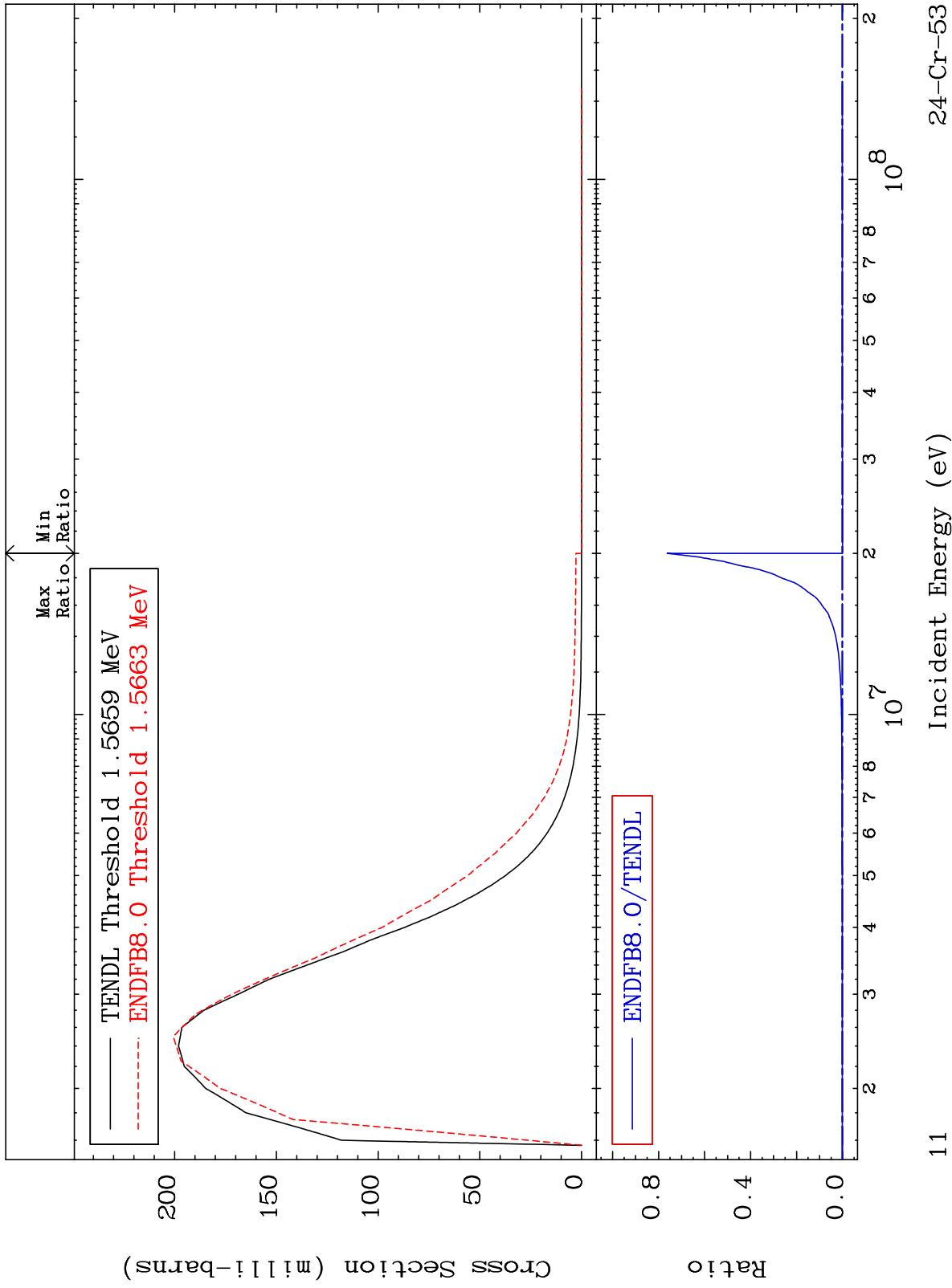
Incident Energy (eV)

24-Cr-53

MAT 2434

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

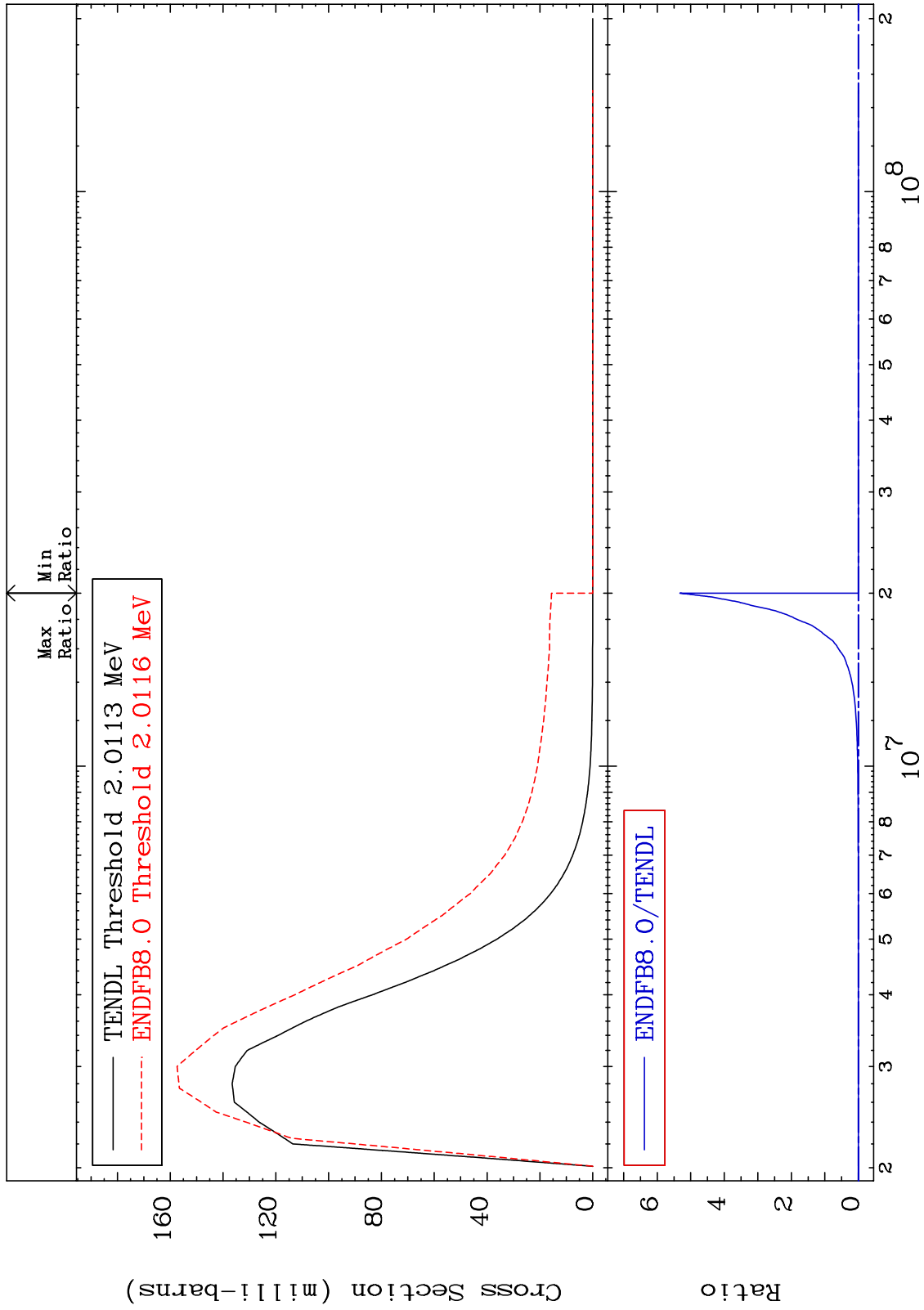
24-Cr-53  
-100.0 To 9999. %



MAT 2434

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

24-Cr-53  
-100.0 To 9999. %



12

Incident Energy (eV)

24-Cr-53

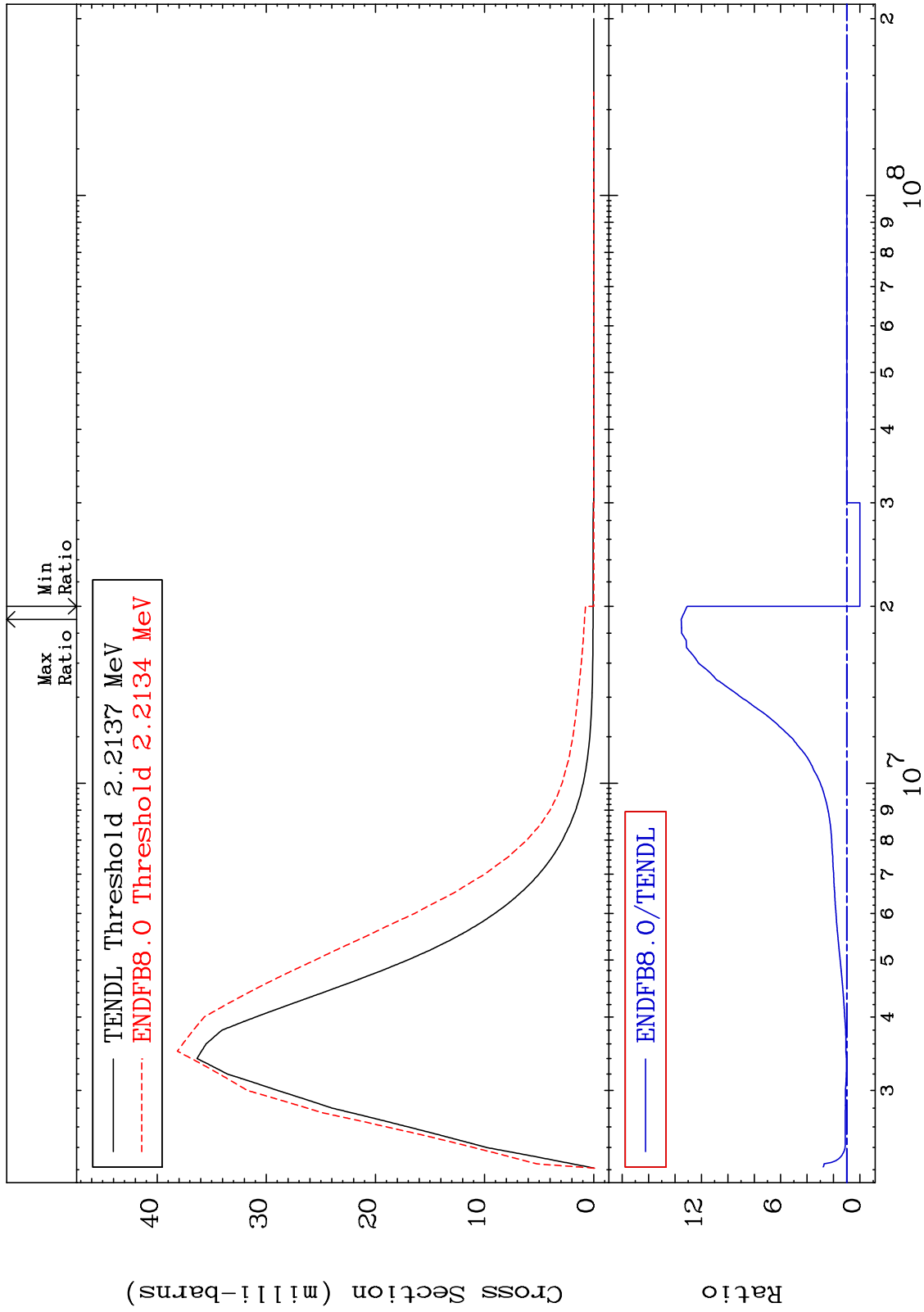
MAT 2434

MT= 56 (n,n') Level

24-Cr-53

-100.0 To 1253. %

Cross Section



13

24-Cr-53

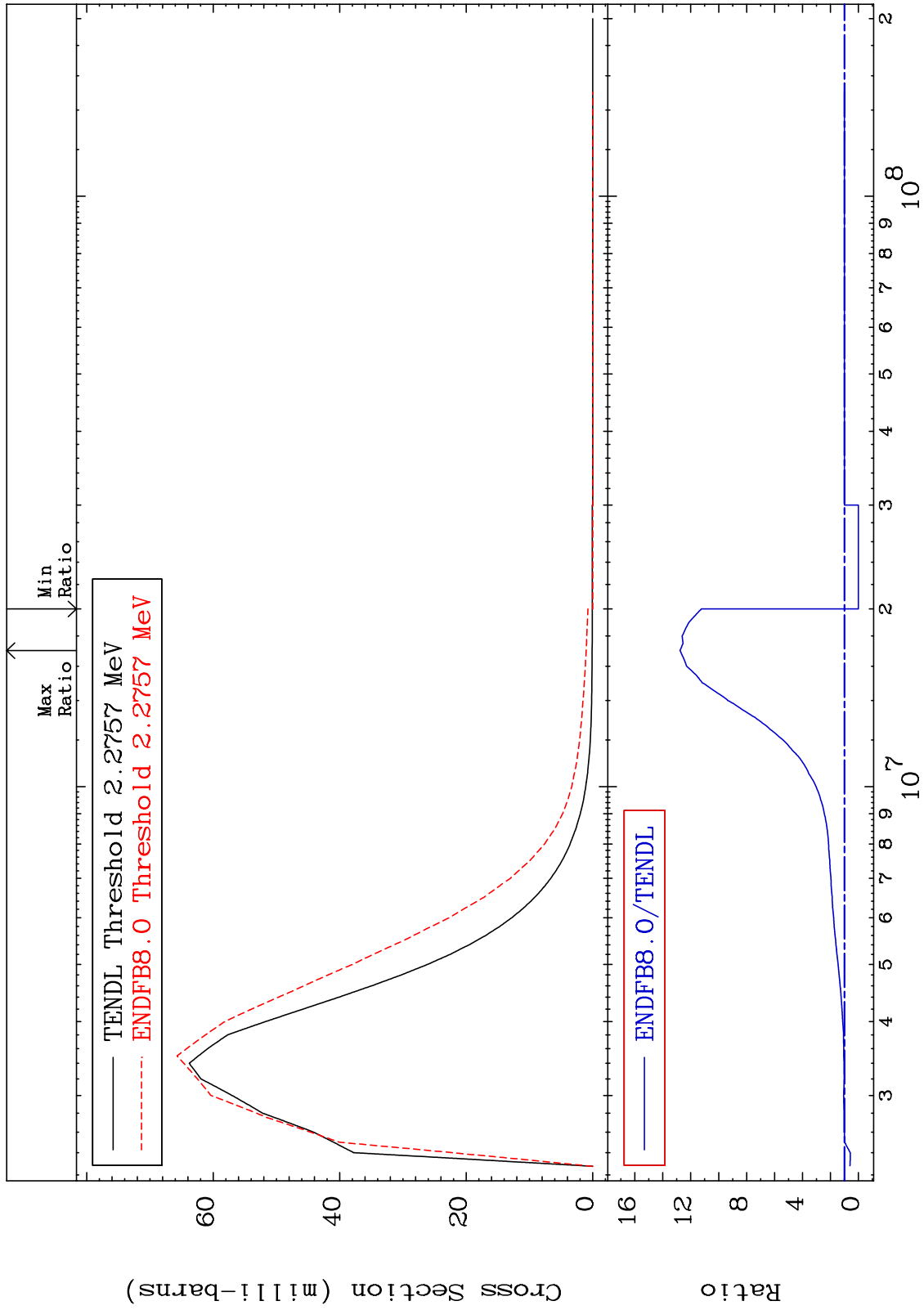
MAT 2434

MT= 57 (n, n') Level

24-Cr-53

-100.0 To 1177. %

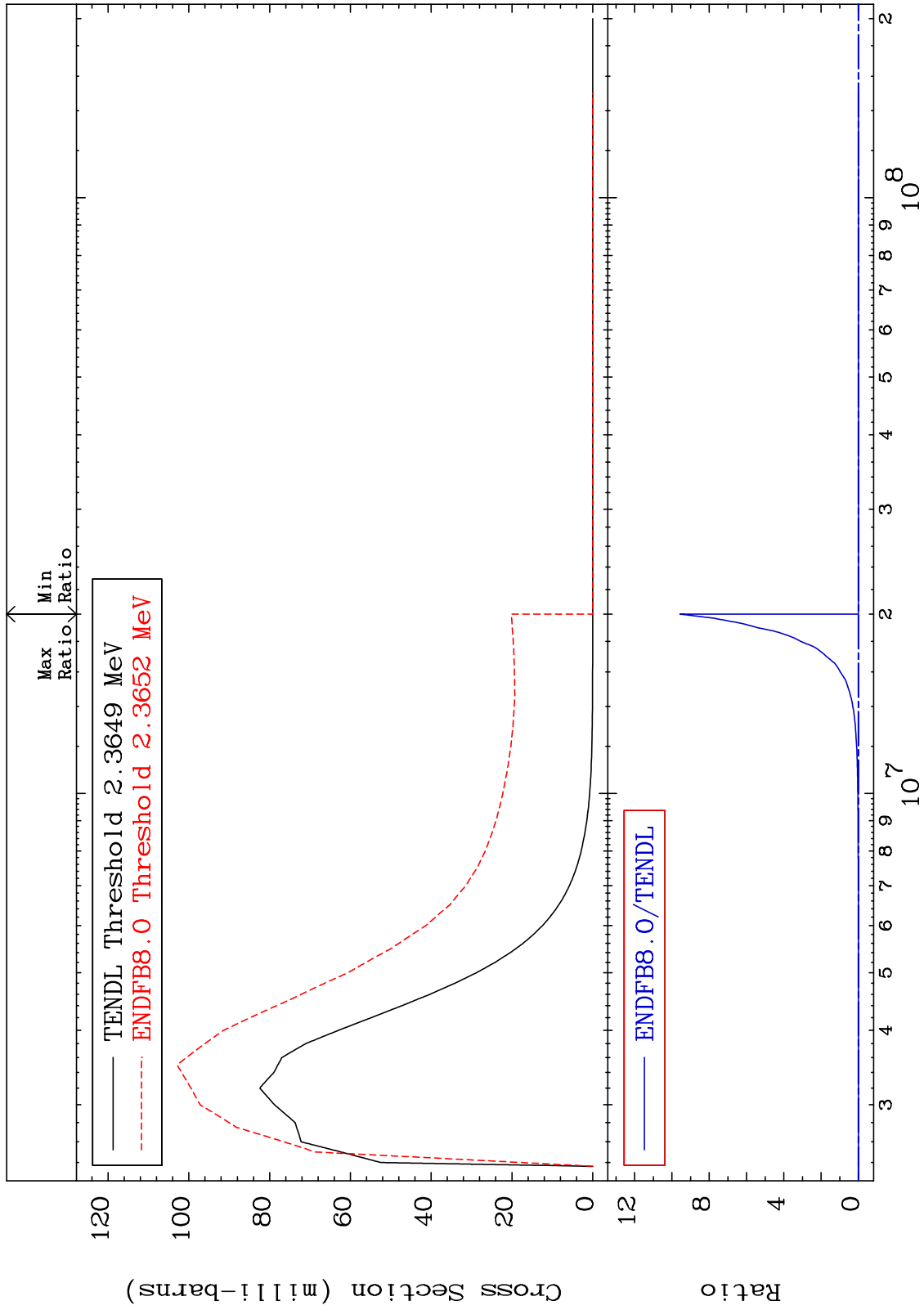
Cross Section



MAT 2434

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

24-Cr-53  
-100.0 To 9999. %



15

Incident Energy (eV)

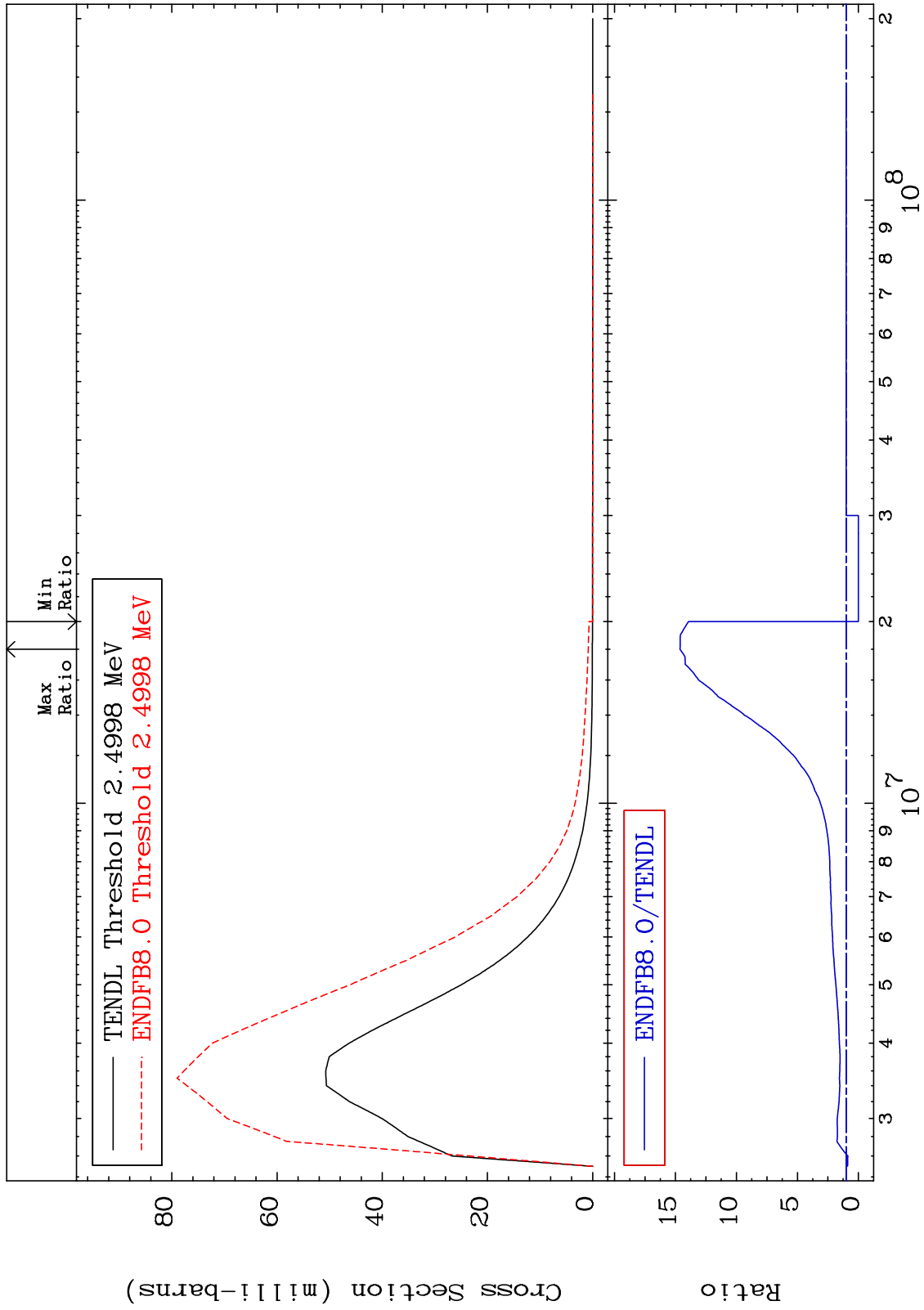
24-Cr-53



MAT 2434

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

24-Cr-53  
-100.0 To 1363. %



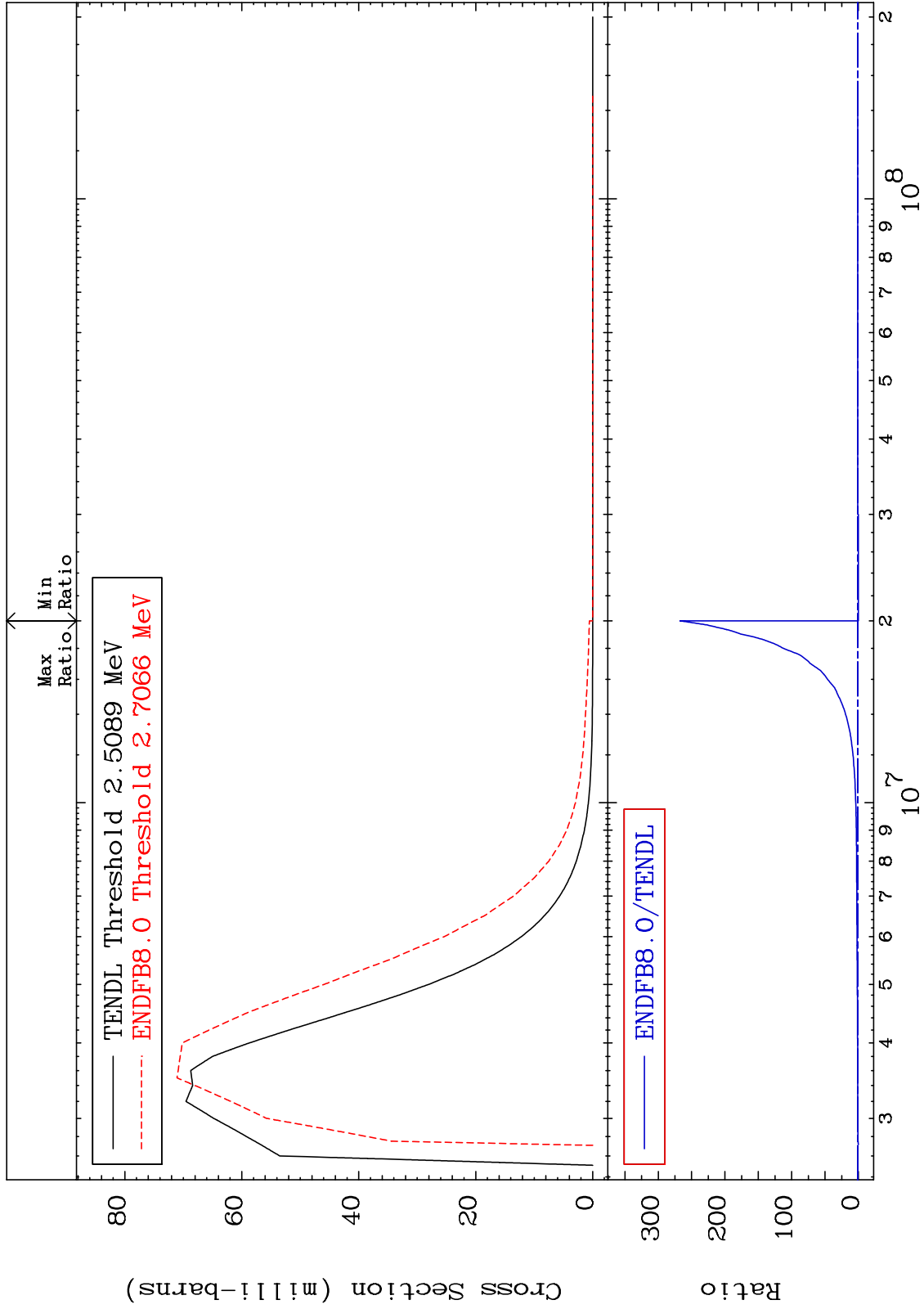
16

24-Cr-53

MAT 2434

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

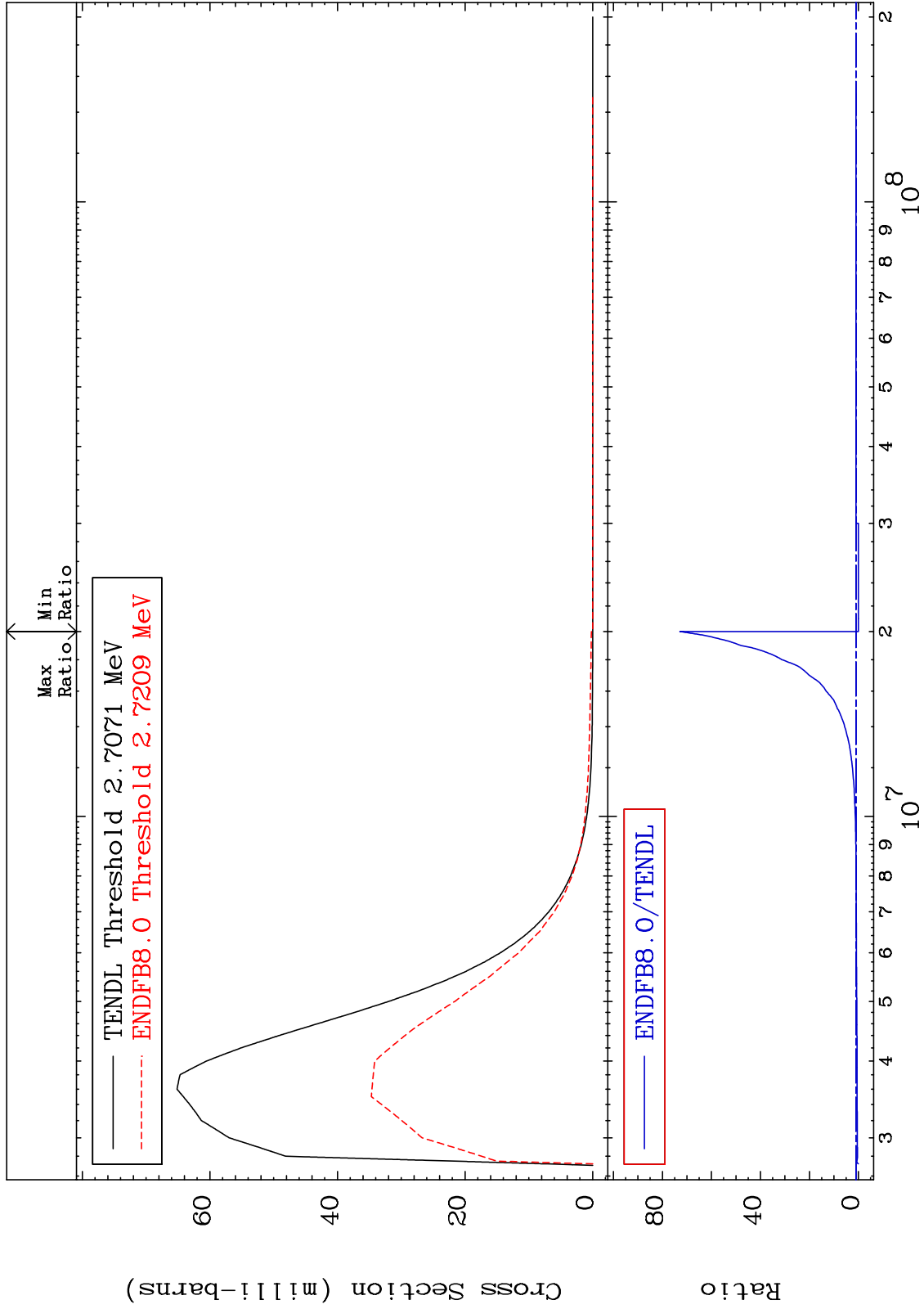
24-Cr-53  
-100.0 To 9999. %



MAT 2434

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

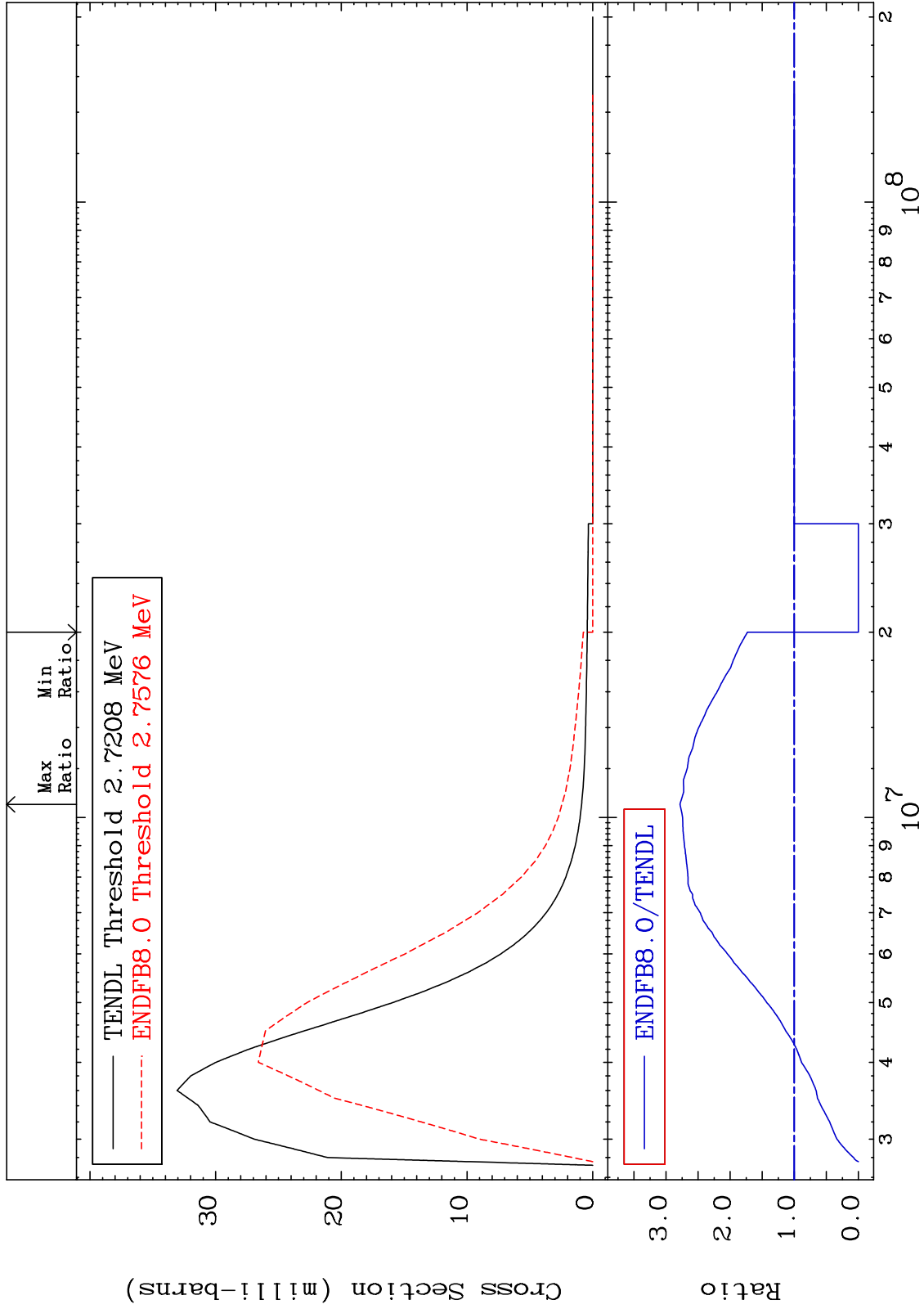
24-Cr-53  
-100.0 To 7182. %



MAT 2434

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

24-Cr-53  
-100.0 To 178.2 %



19

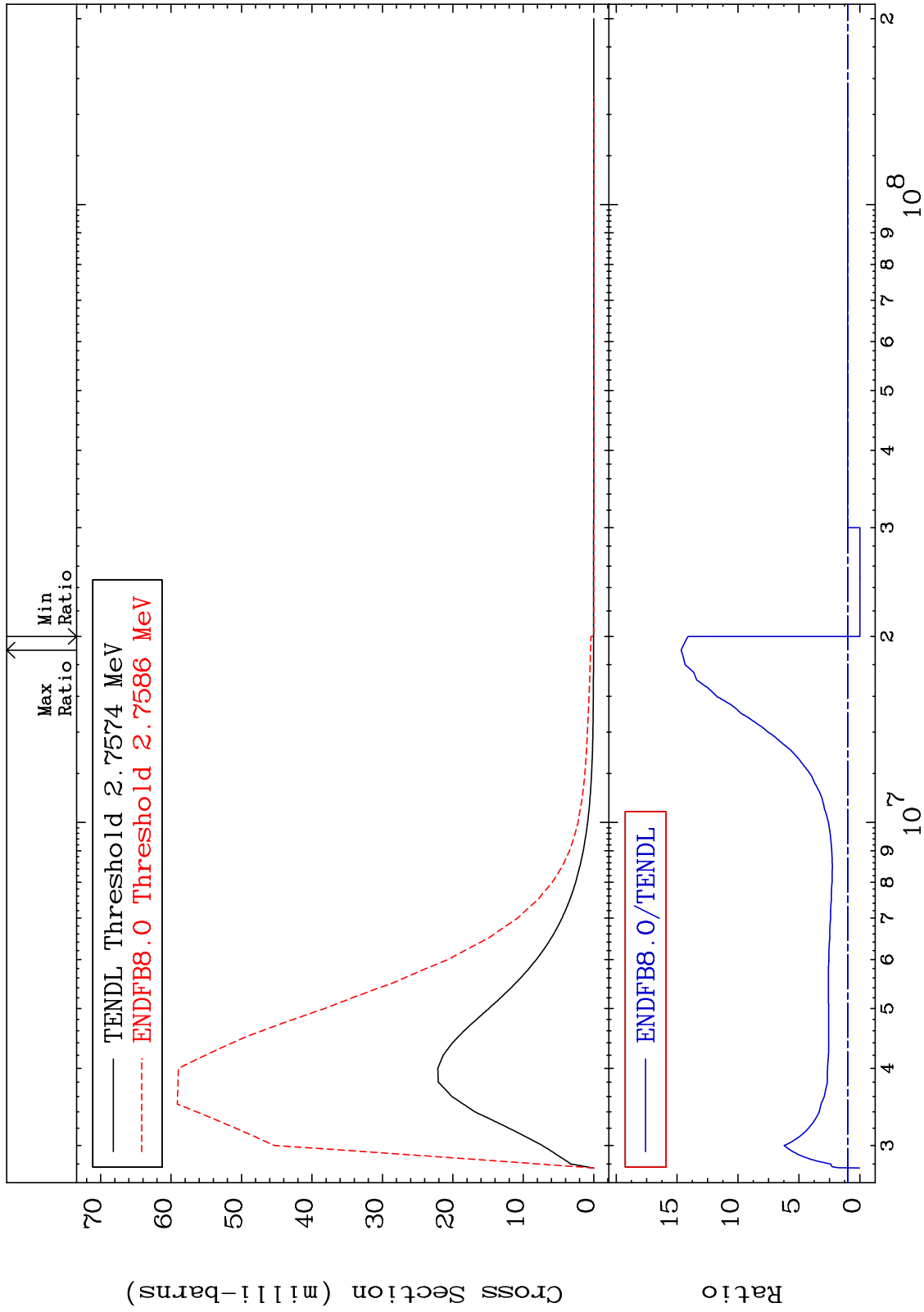
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53  
-100.0 To 1366. %

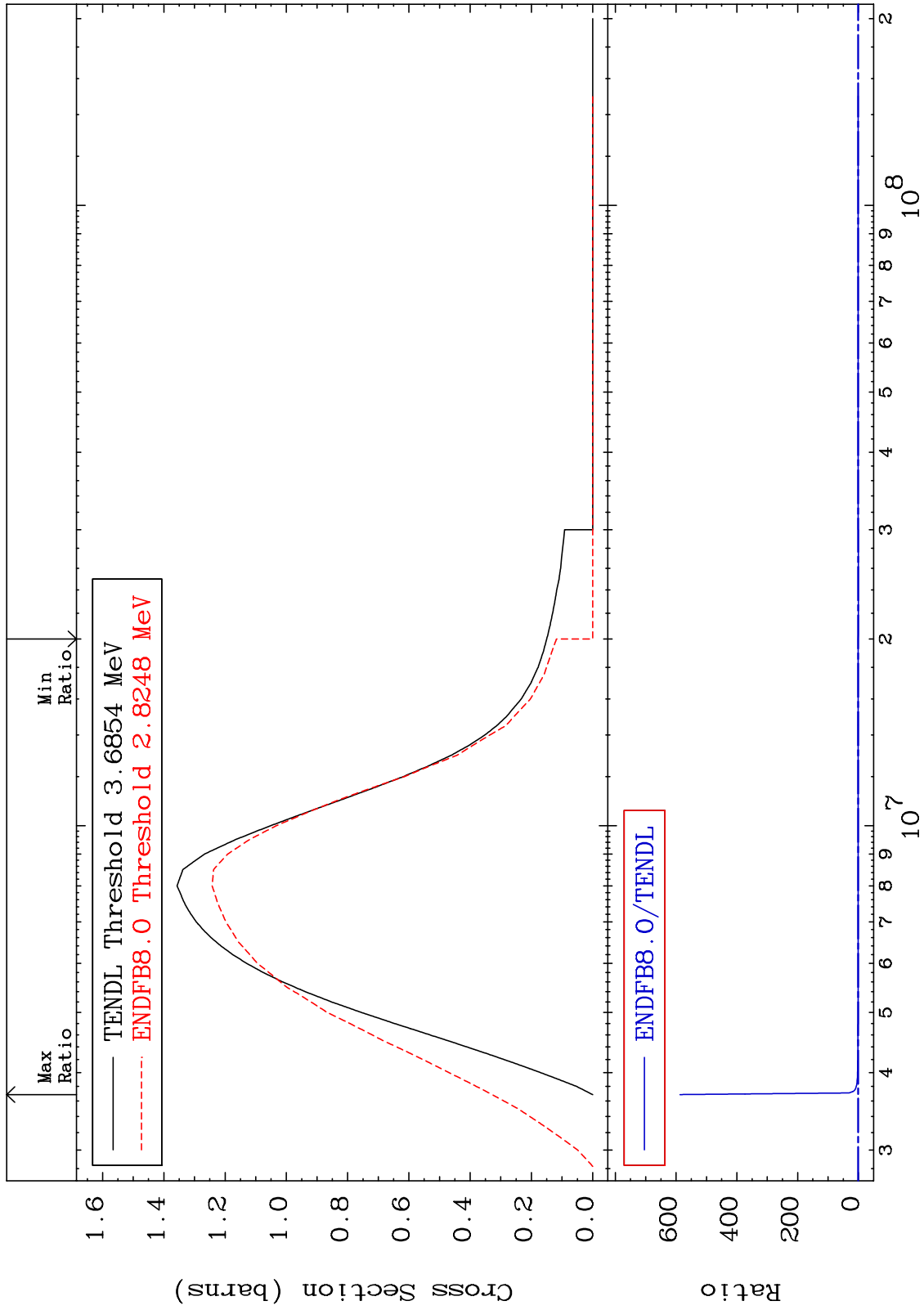


20

Incident Energy (eV)

24-Cr-53

MAT 2434 (n, n') Continuum Cross Section 24-Cr-53  
 -100.0 To 9999. %



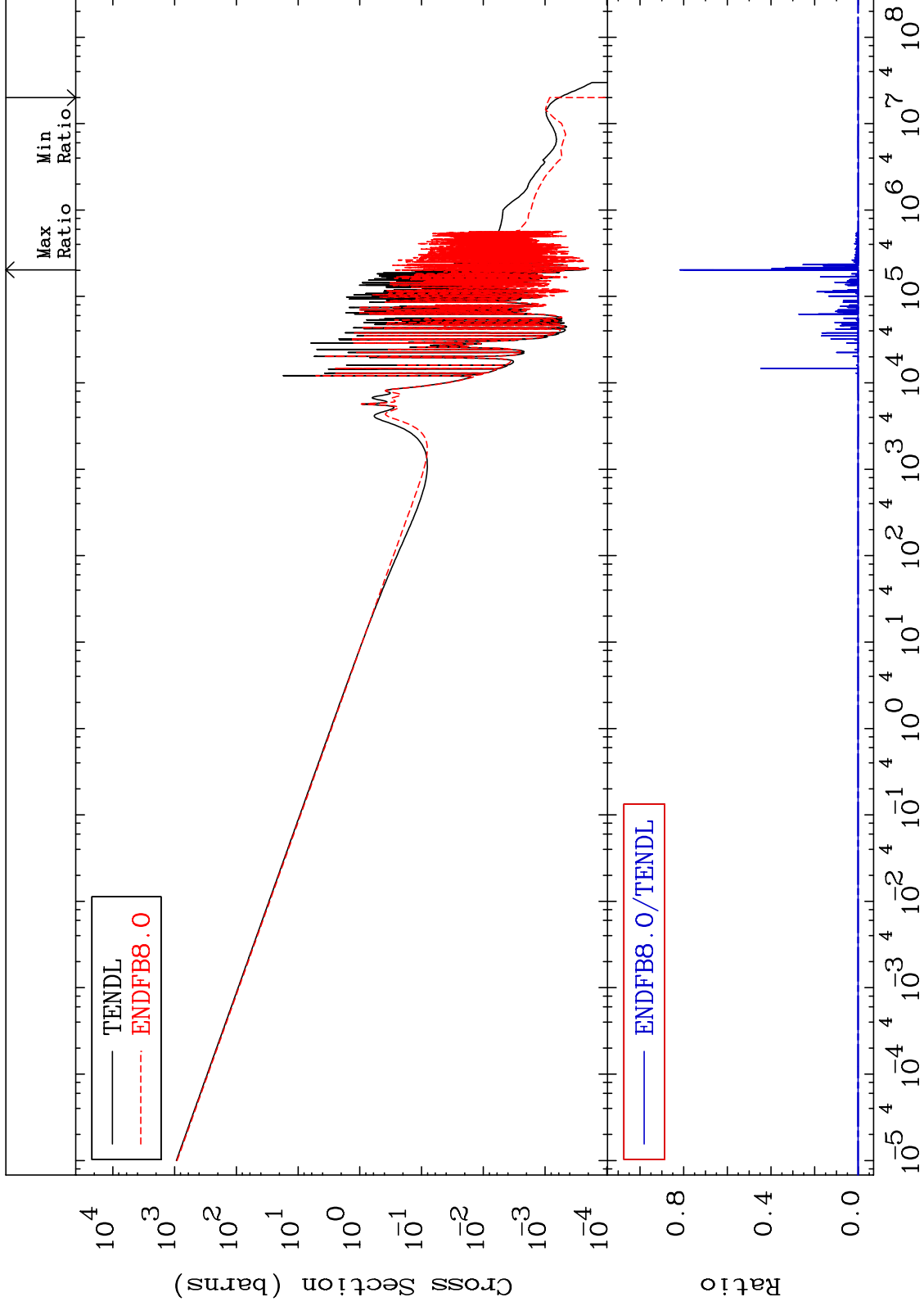
MAT 2434

(n,  $\gamma$ )

24-Cr-53

Cross Section

-100.0 To 9999. %



22

Incident Energy (eV)

24-Cr-53

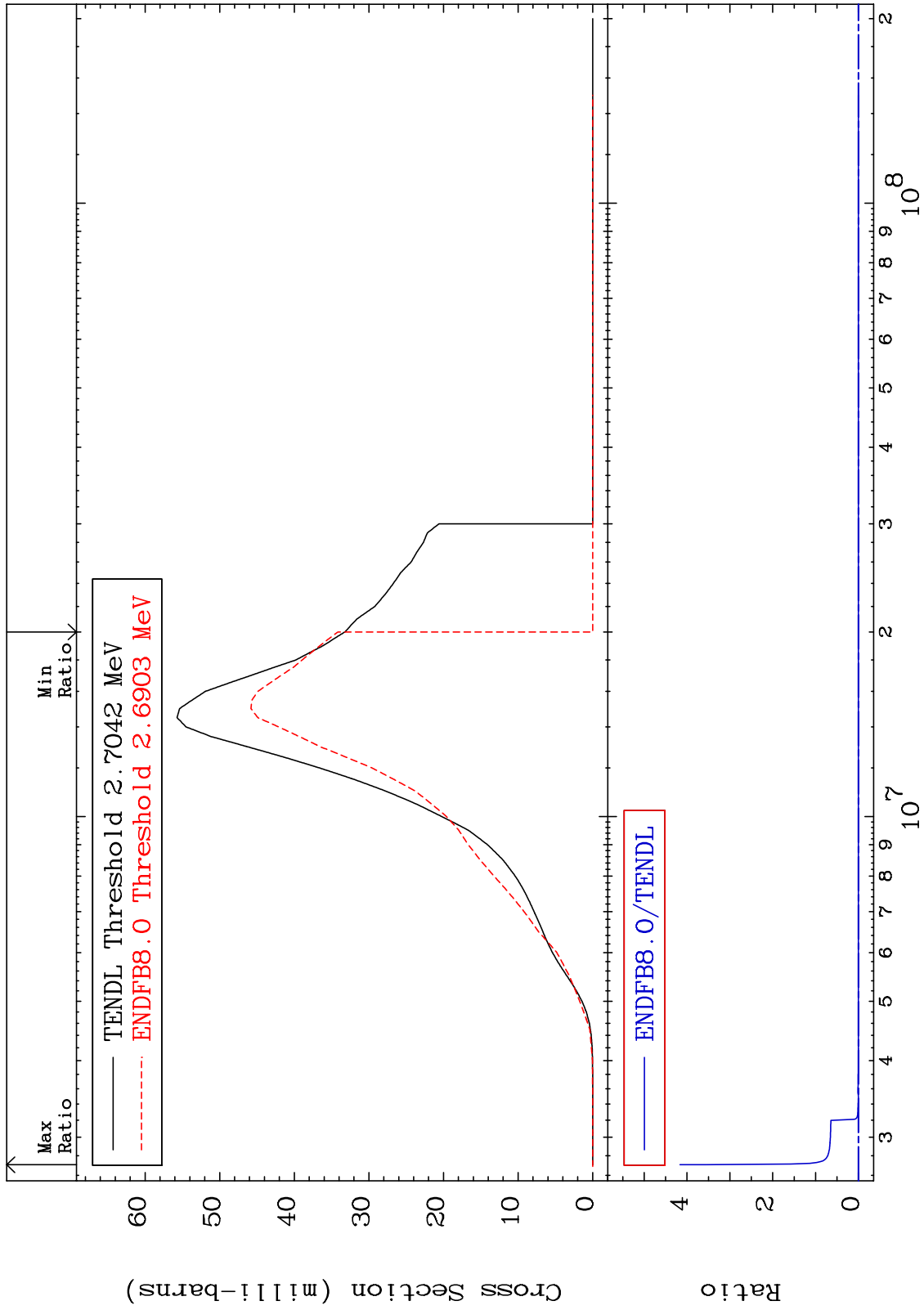
MAT 2434

(n,p)

<sup>24</sup>Cr-53

-100.0 To 9999. %

Cross Section



23

Incident Energy (eV)

<sup>24</sup>Cr-53



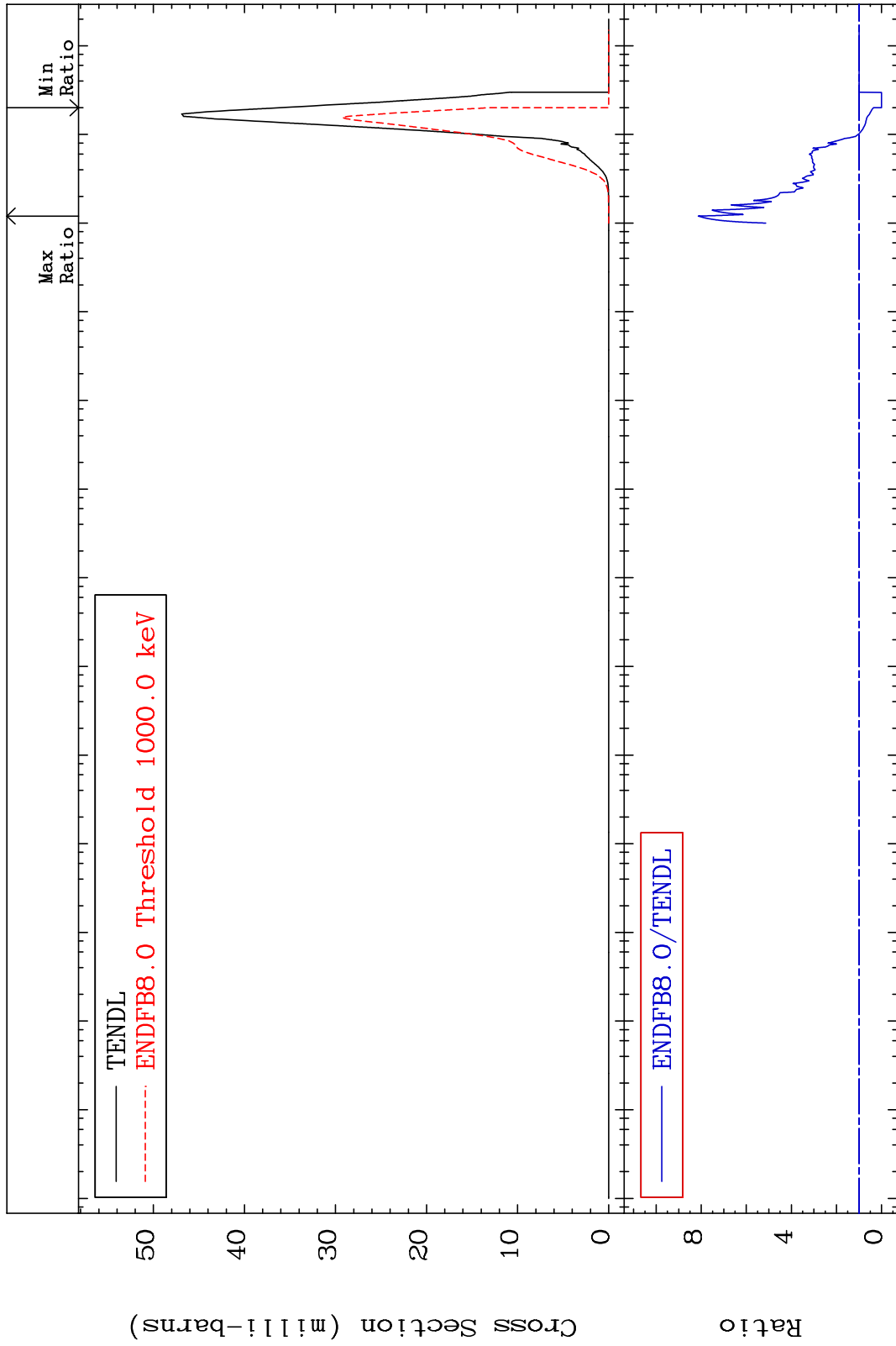
MAT 2434

(n,  $\alpha$ )

<sup>24</sup>Cr-53

Cross Section

-100.0 To 712.8 %



24

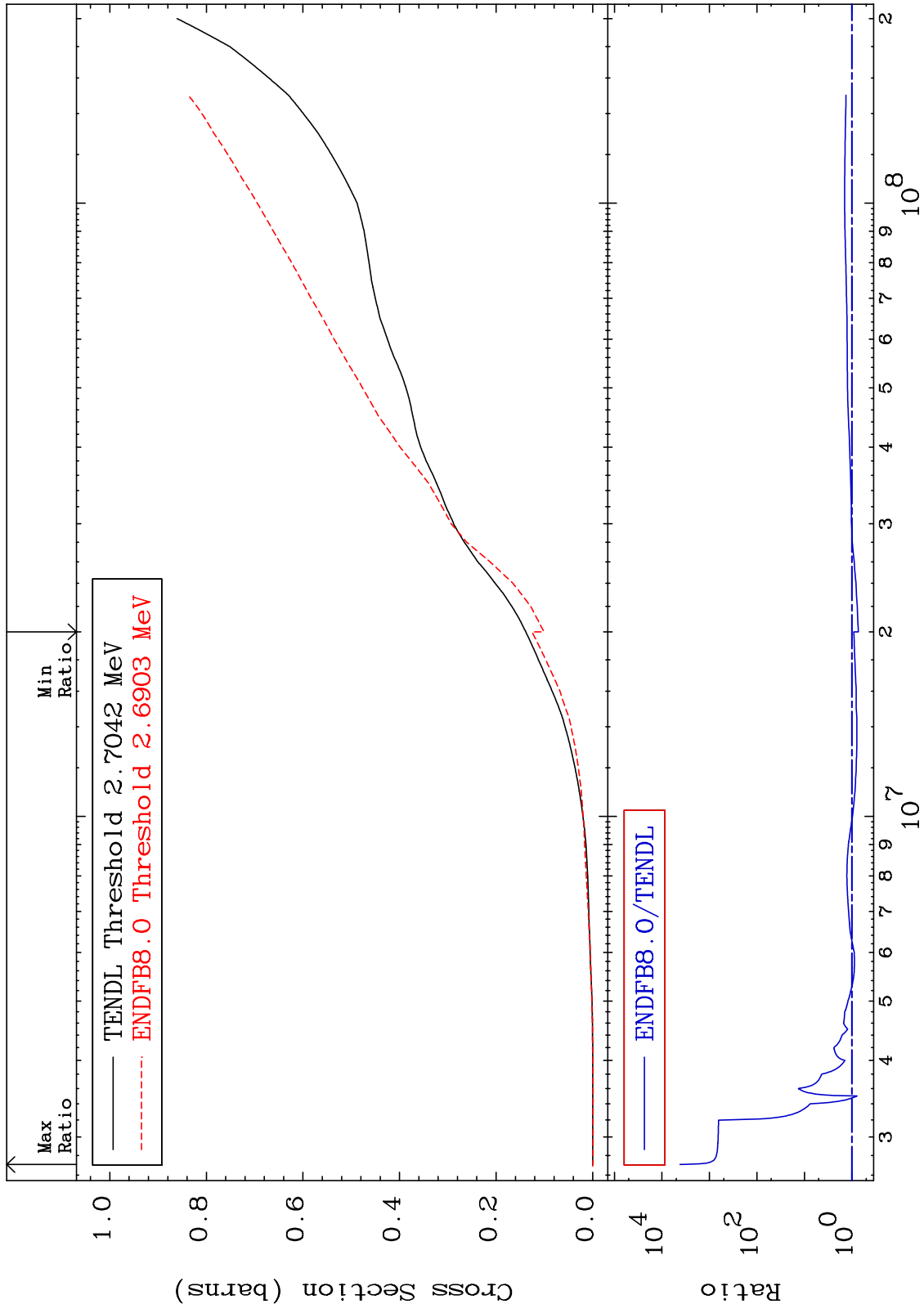
Incident Energy (eV)

<sup>24</sup>Cr-53

MAT 2434

Hydrogen Production  
Cross Section

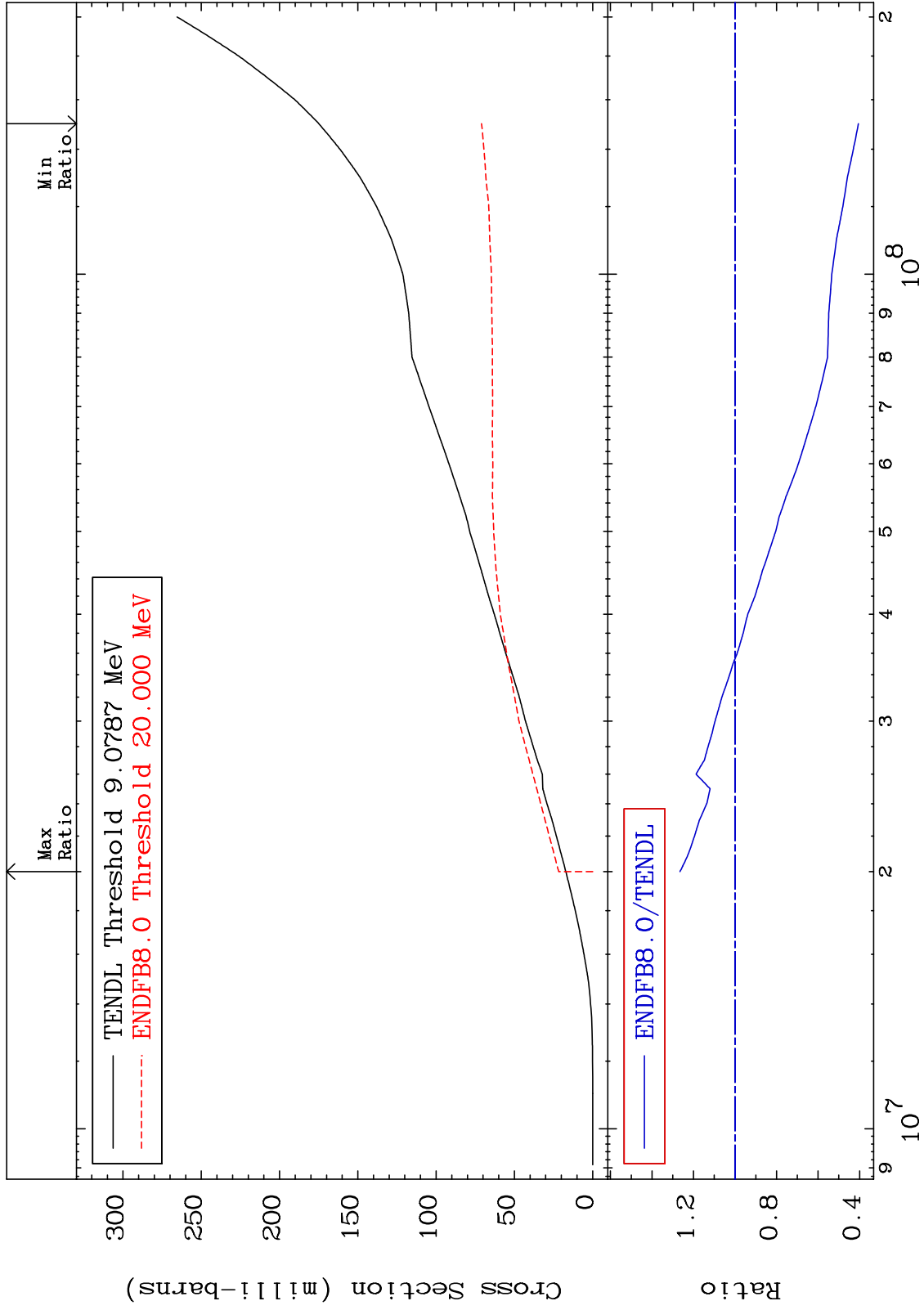
<sup>24</sup>Cr-53  
-27.17 To 9999. %



MAT 2434

Deuterium Production  
Cross Section

24-Cr-53  
-59.43 To 26.50 %



26

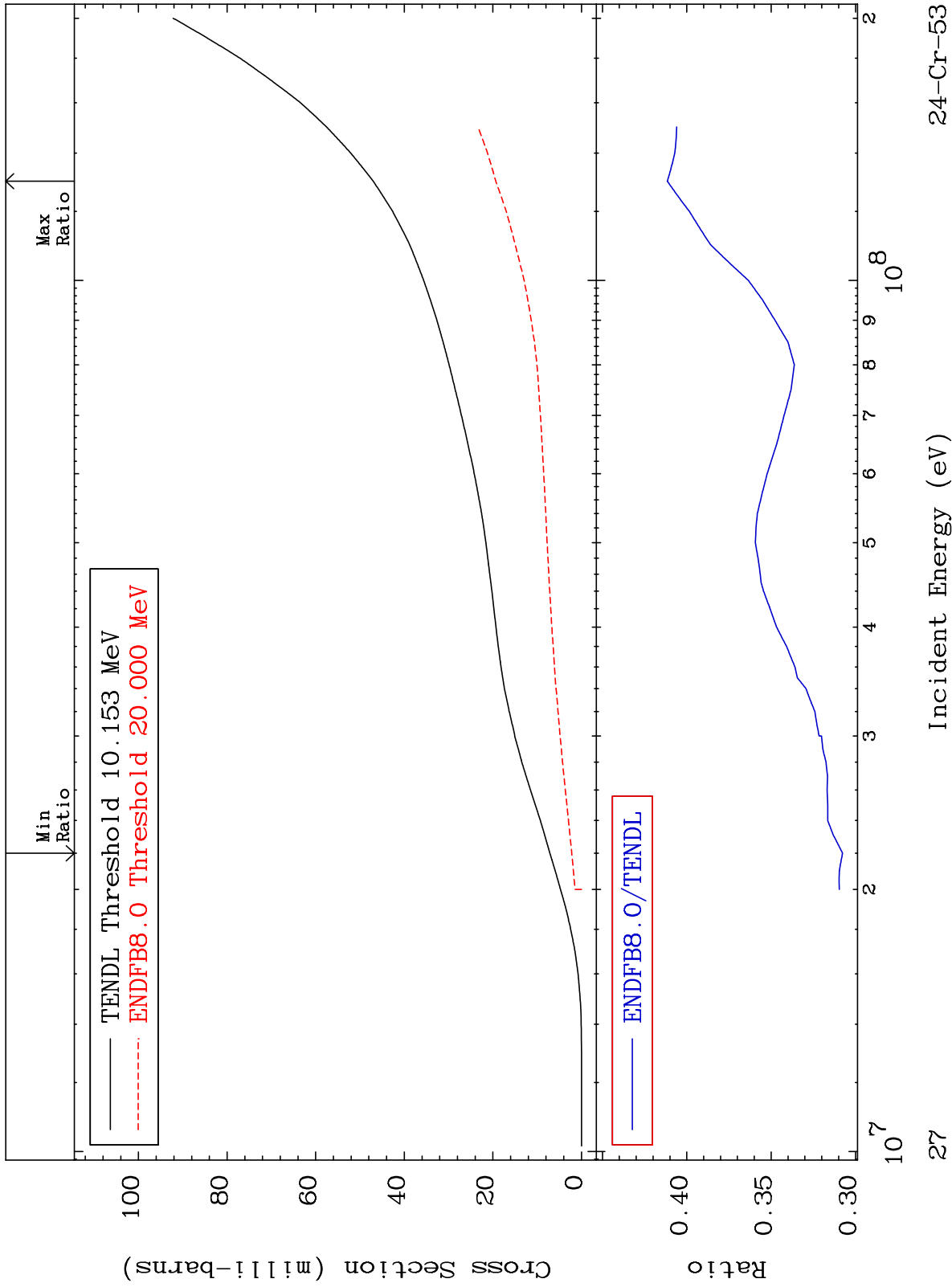
Incident Energy (eV)

24-Cr-53

MAT 2434

Tritium Production  
Cross Section

24-Cr-53  
-69.23 To -58.84%

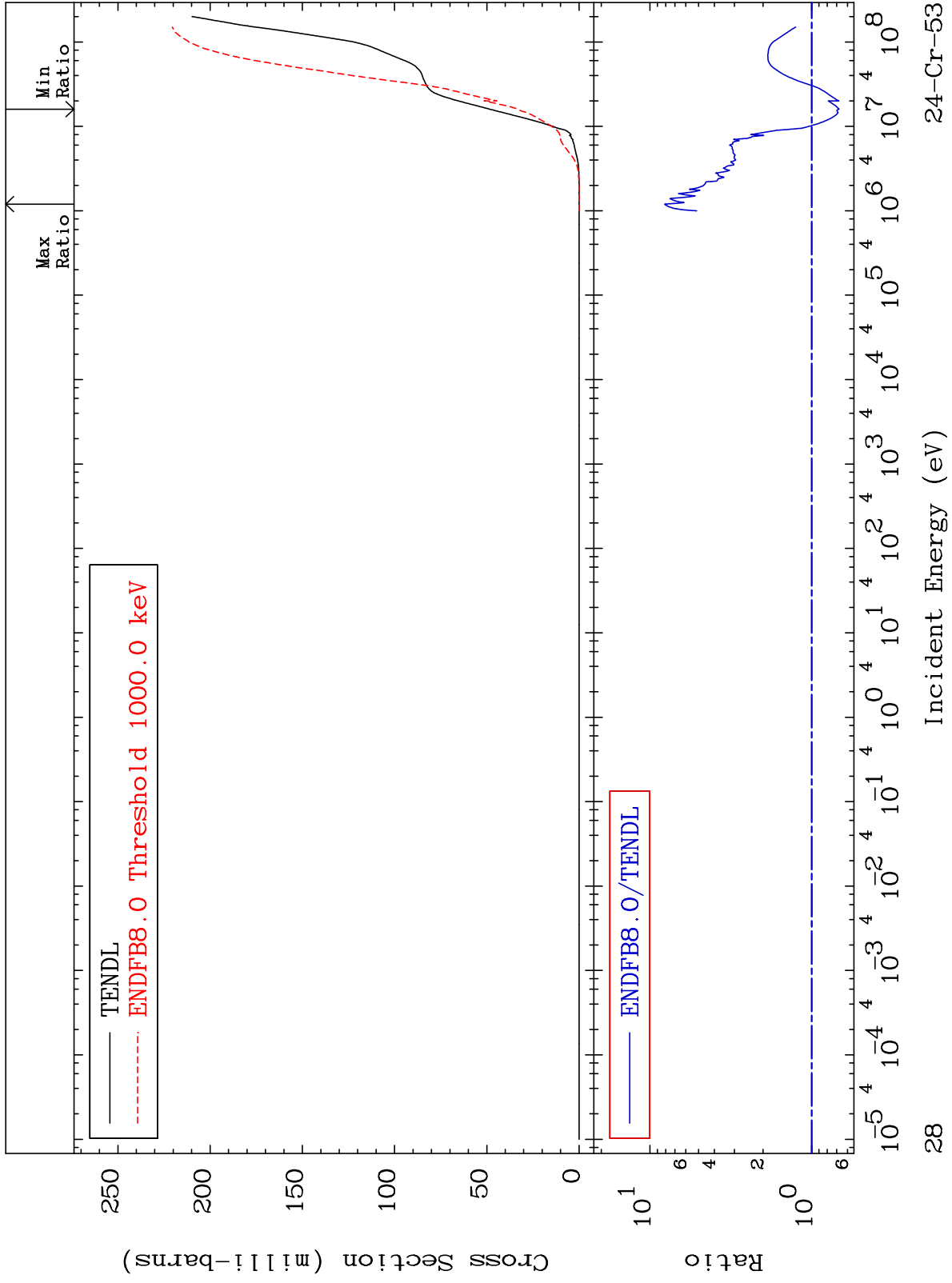


24-Cr-53

MAT 2434

He-4 Production  
Cross Section

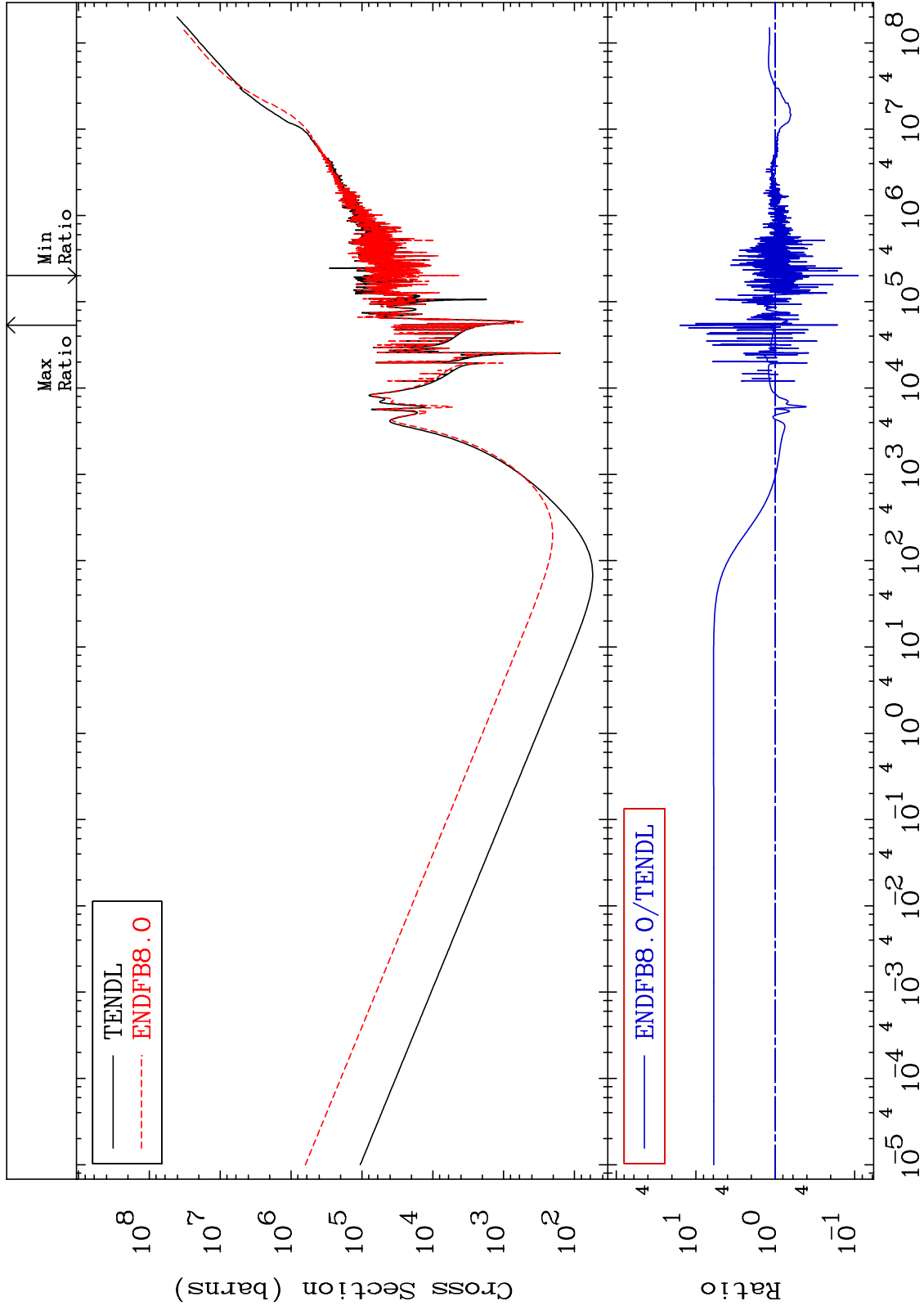
24-Cr-53  
-32.32 To 712.8 %



MAT 2434

Kerma total (eV-barns)  
Cross Section

24-Cr-53  
-91.02 To 1479. %



29

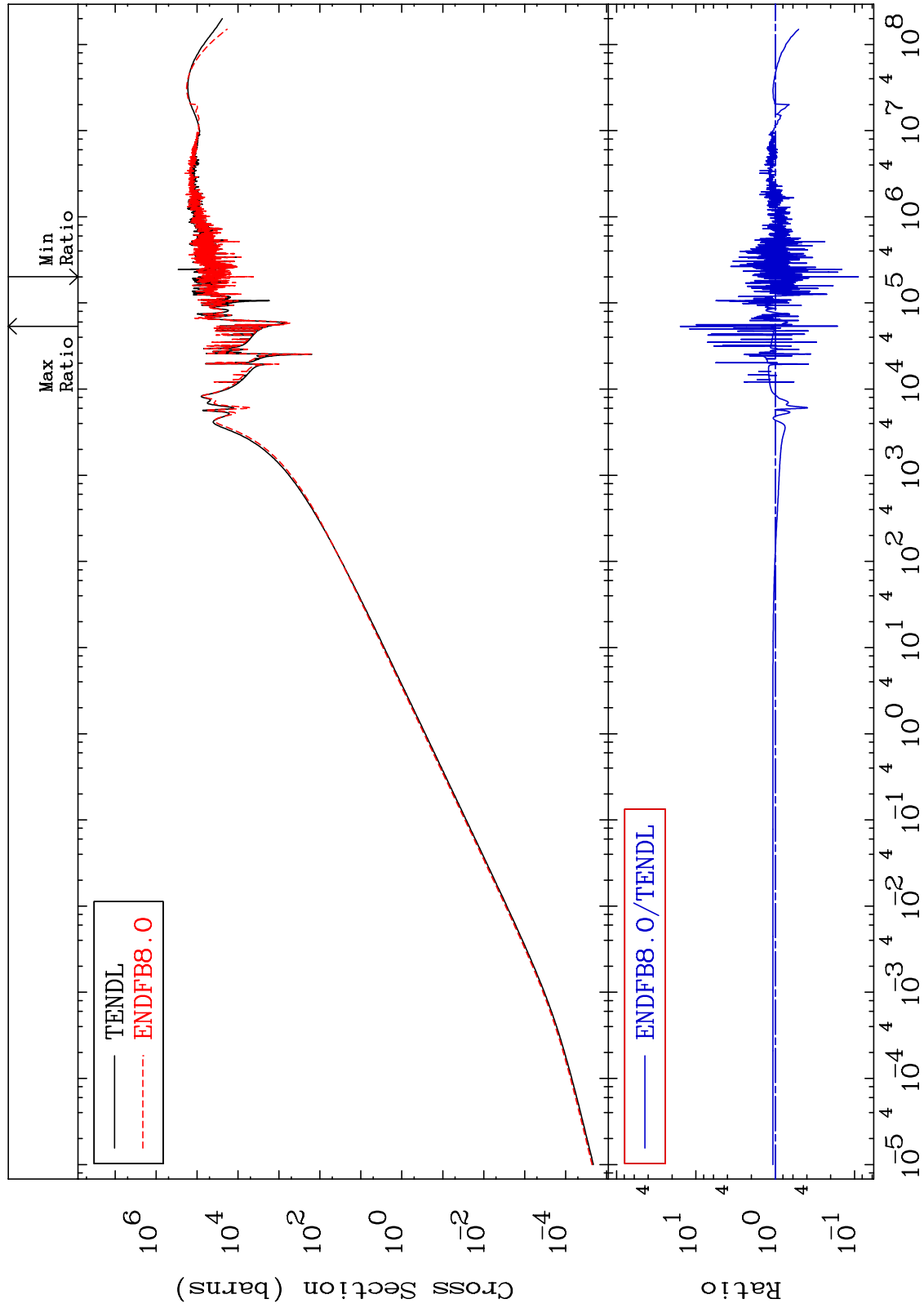
Incident Energy (eV)

24-Cr-53

MAT 2434

Kerma elastic  
Cross Section

24-Cr-53  
-91.09 To 1467. %



30

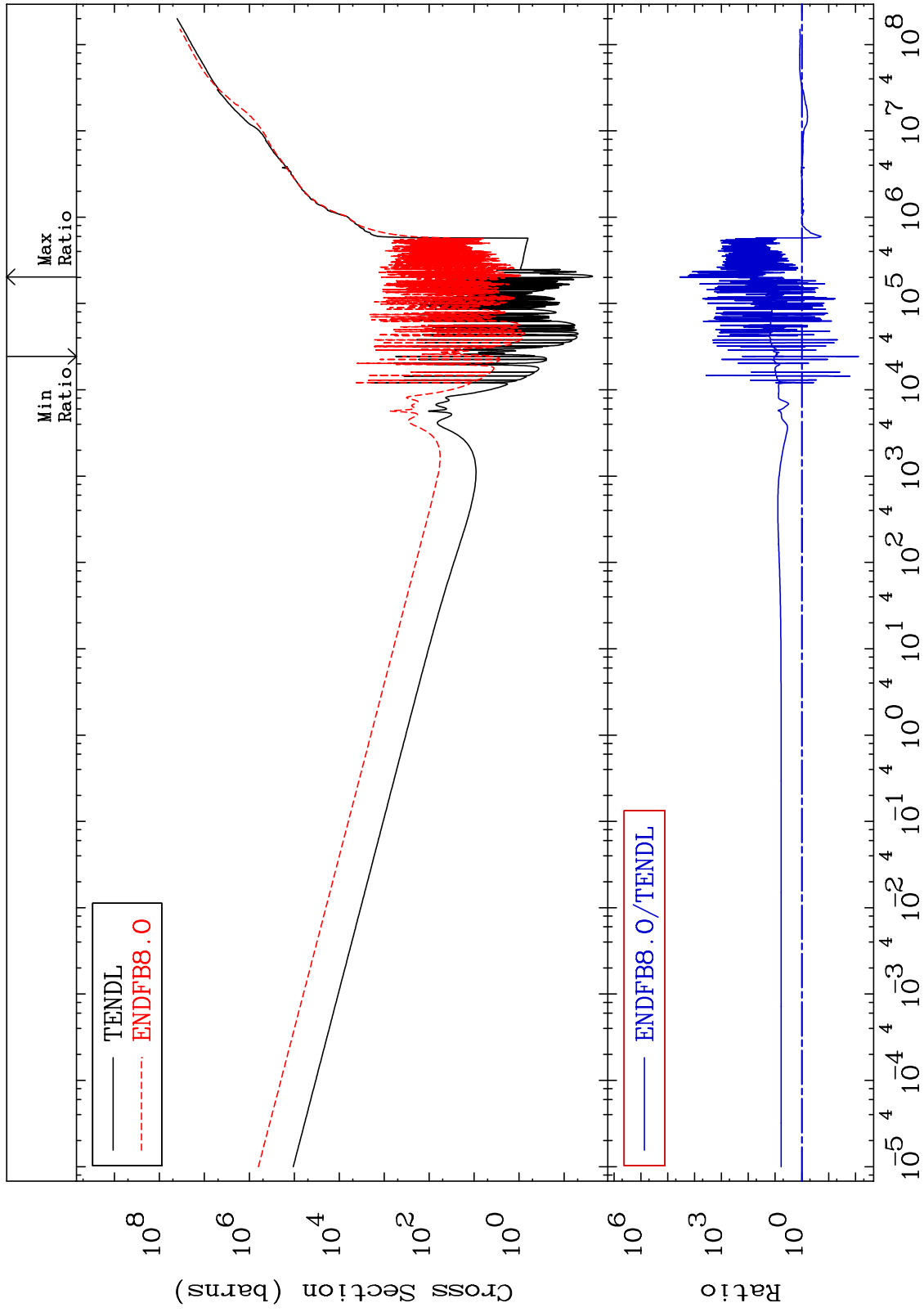
Incident Energy (eV)

24-Cr-53

MAT 2434

Kerma non-elastic (all but mt2)  
Cross Section

24-Cr-53  
-99.21 To 9999. %

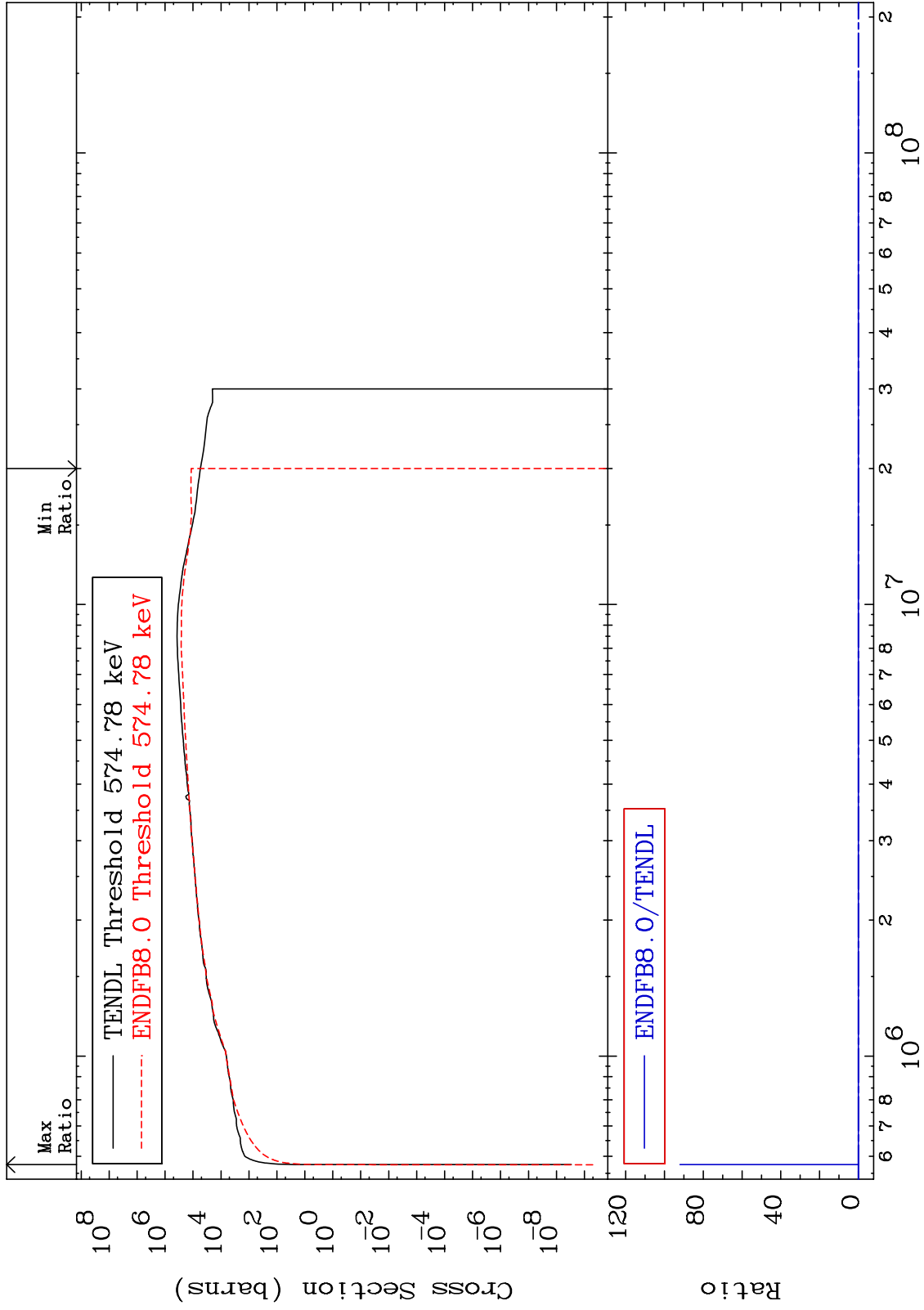




MAT 2434

Kerma inelastic (mt51-91)  
Cross Section

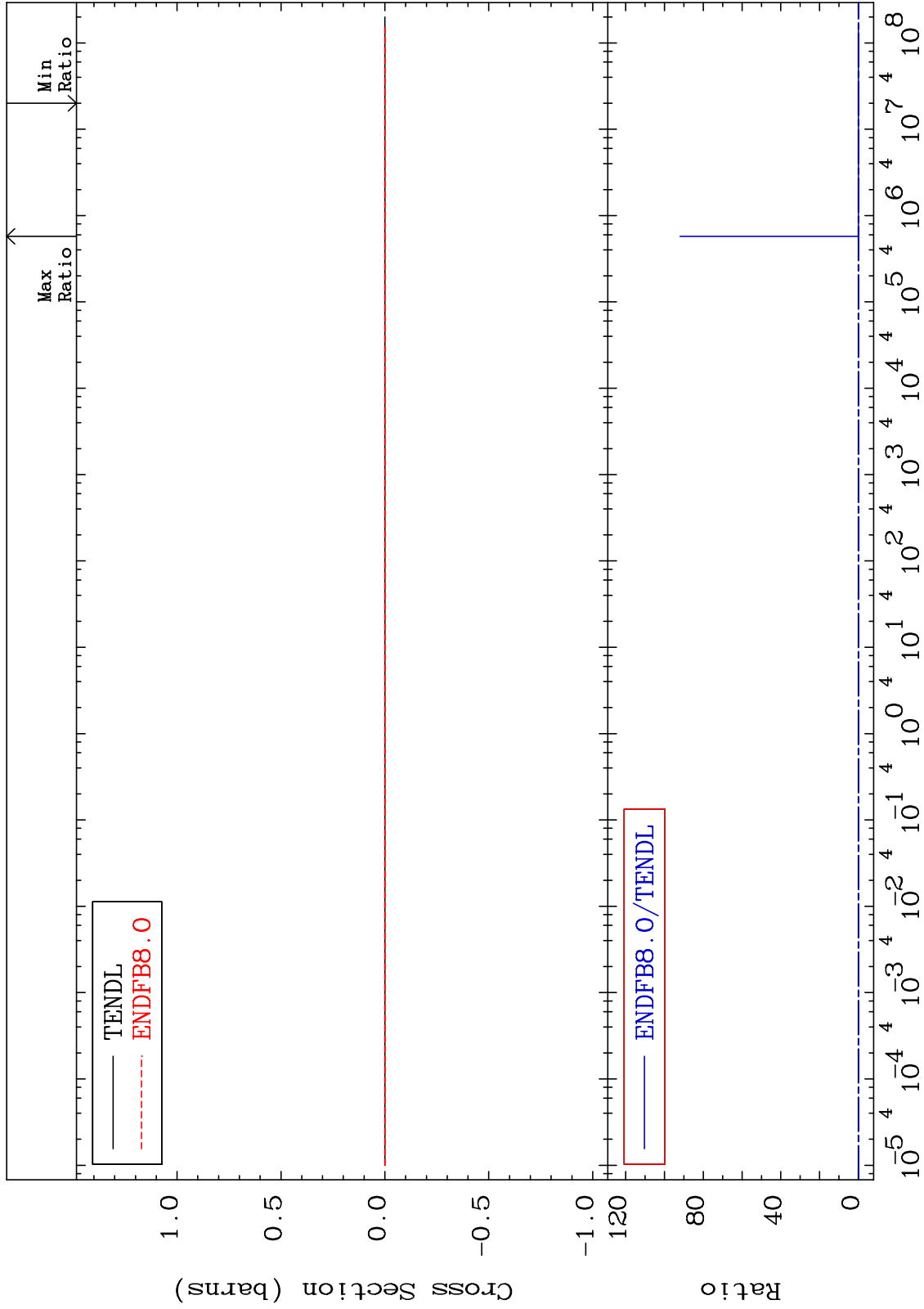
24-Cr-53  
-100.0 To 9999. %



MAT 2434

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

24-Cr-53  
-100.0 To 9999. %



33

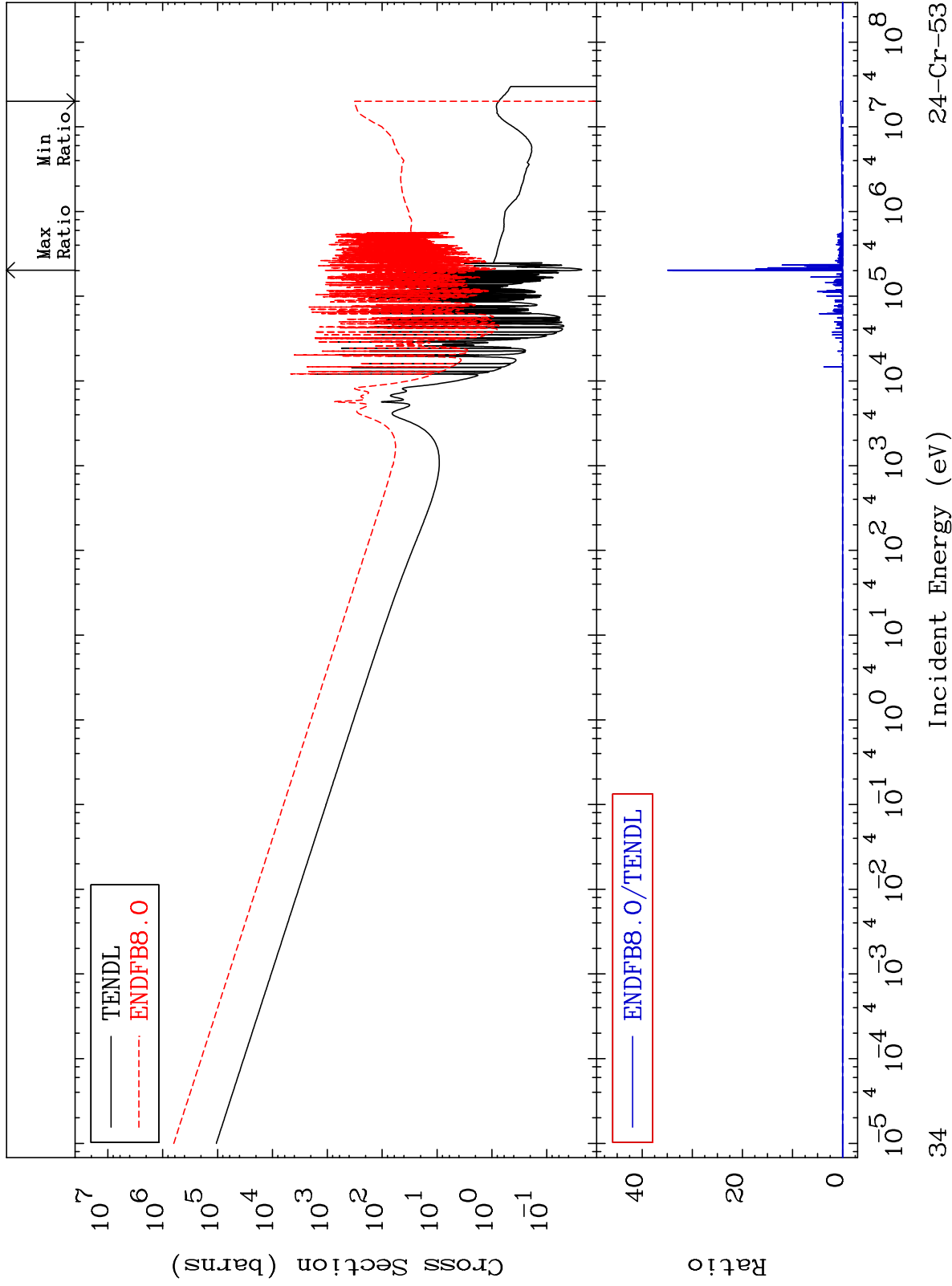
Incident Energy (eV)

24-Cr-53

MAT 2434

Kerma capture (mt102)  
Cross Section

24-Cr-53  
-100.0 To 9999. %



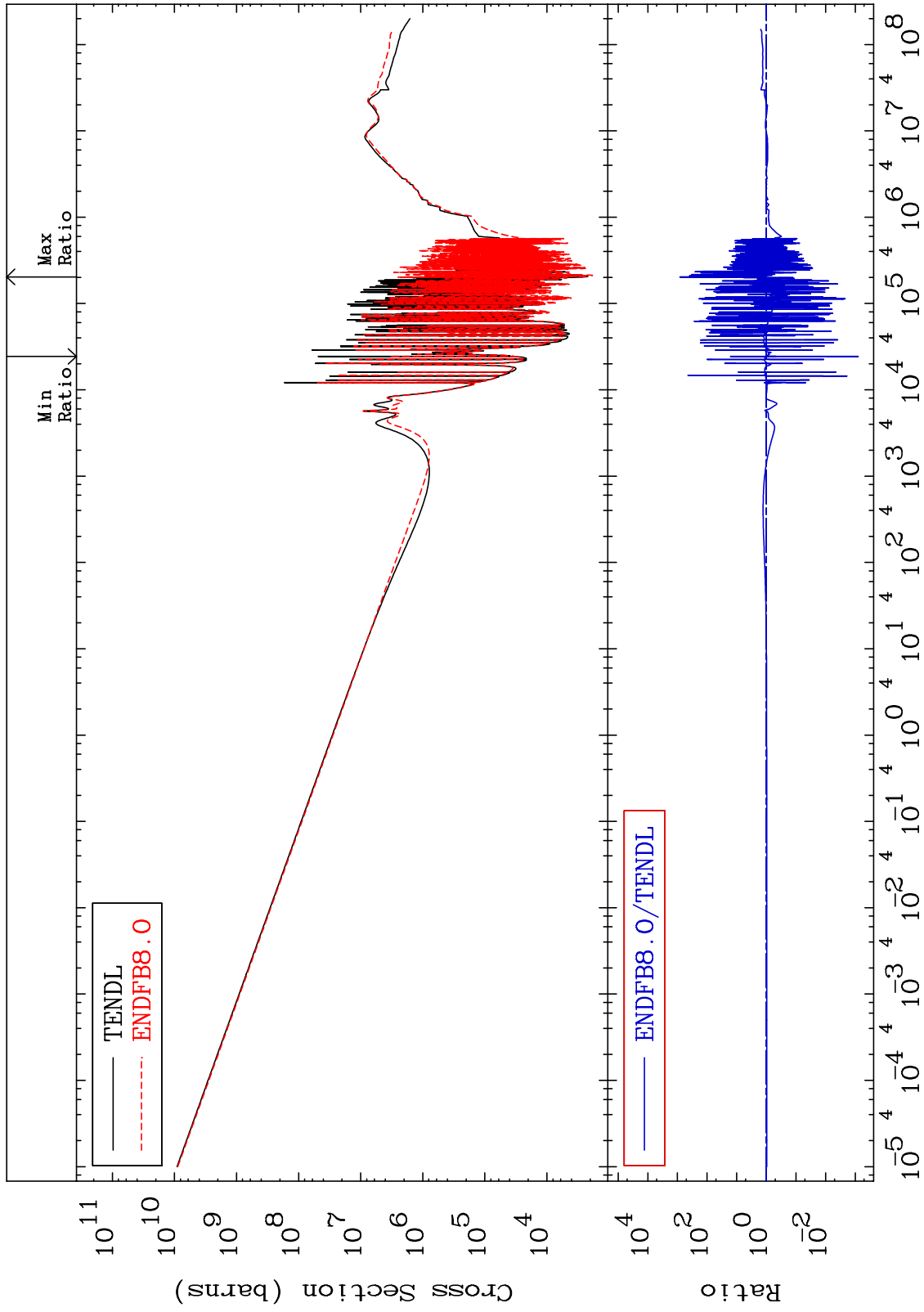
34

24-Cr-53

MAT 2434

Total photon (eV-barns)  
Cross Section

24-Cr-53  
-99.92 To 9999. %



35

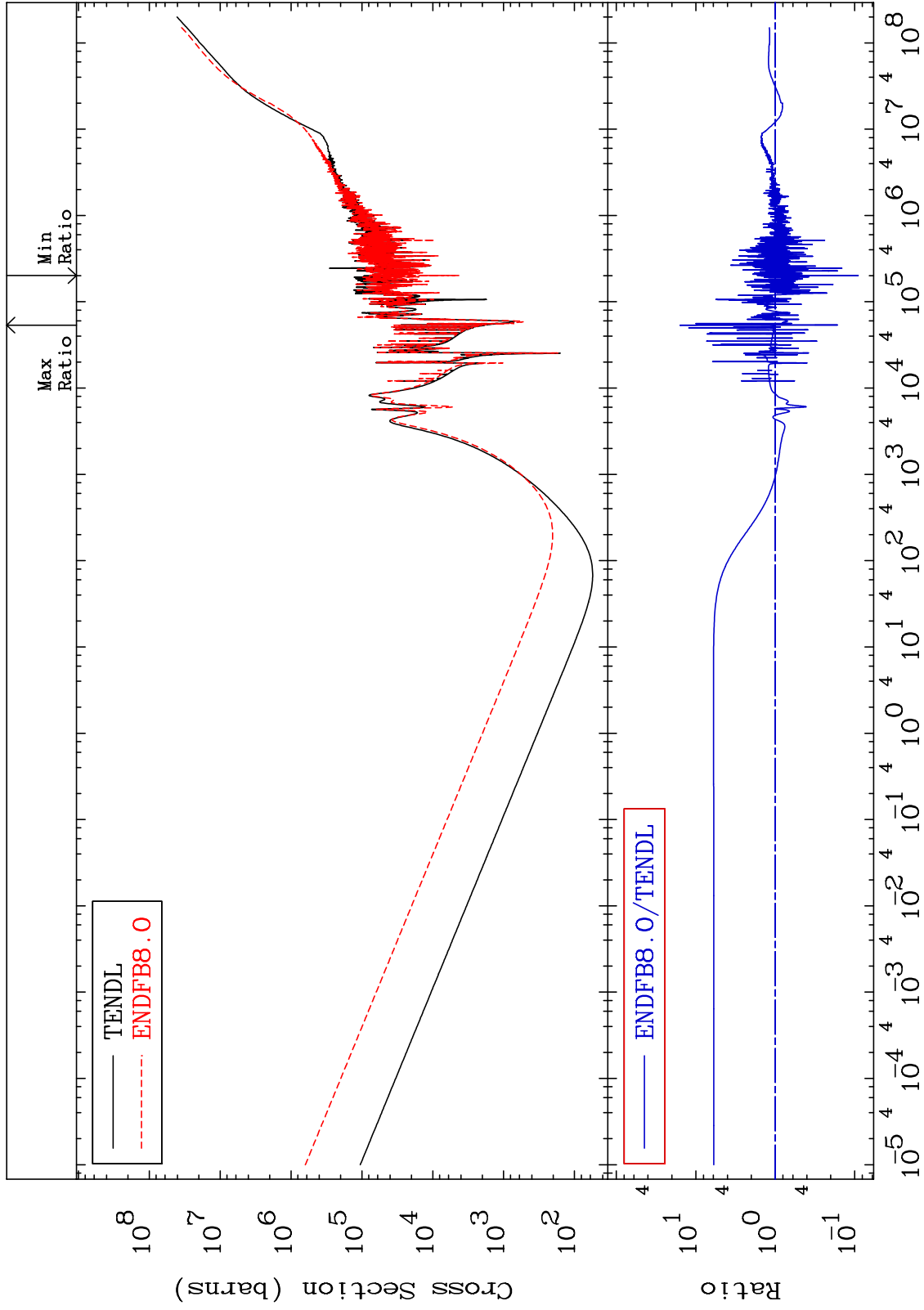
Incident Energy (eV)

24-Cr-53

MAT 2434

Total kinematic kerma (high limit)  
Cross Section

24-Cr-53  
-91.02 To 1479. %



36

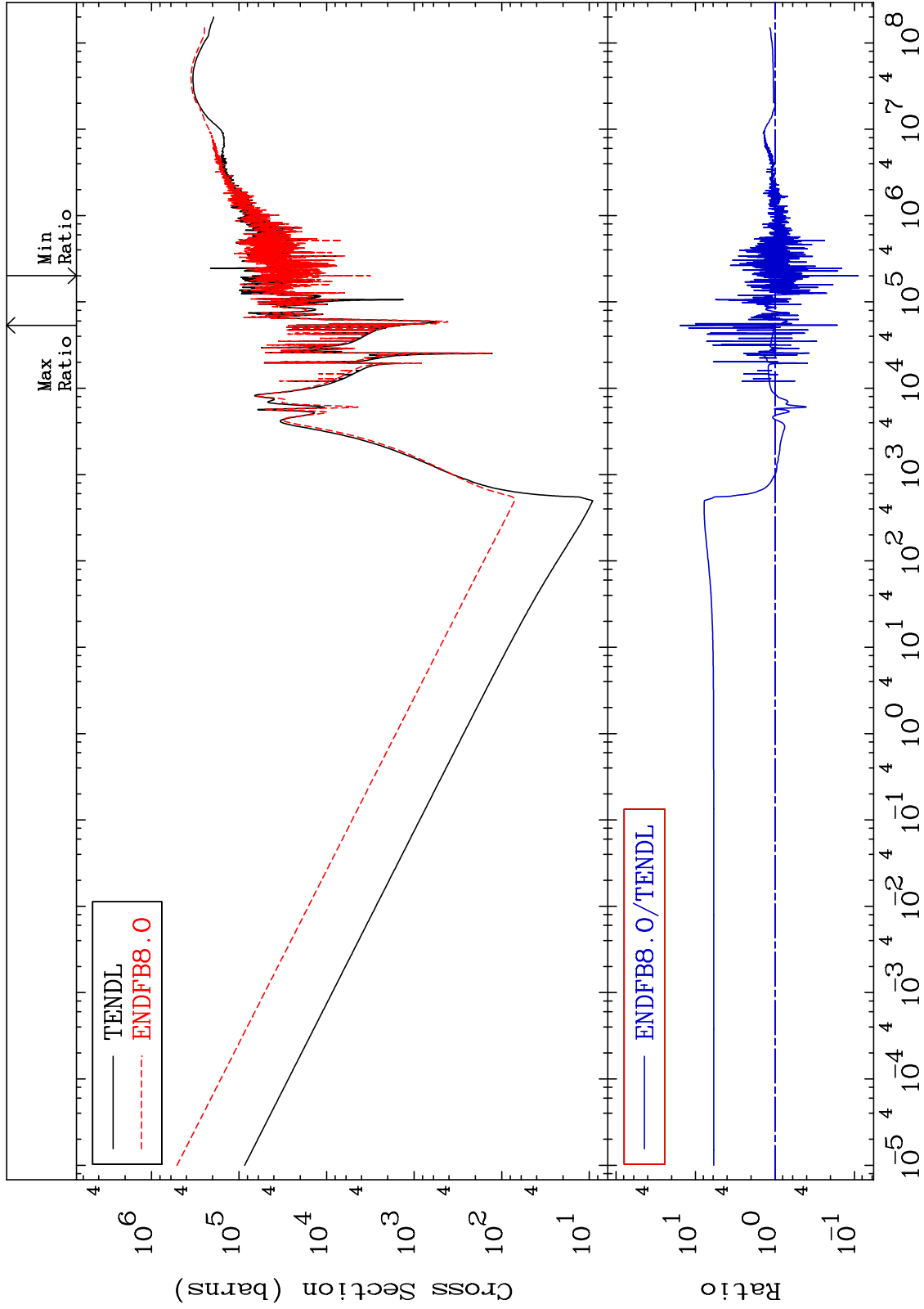
Incident Energy (eV)

24-Cr-53

MAT 2434

Dpa total (eV-barns)  
Cross Section

24-Cr-53  
-91.08 To 1467. %



37

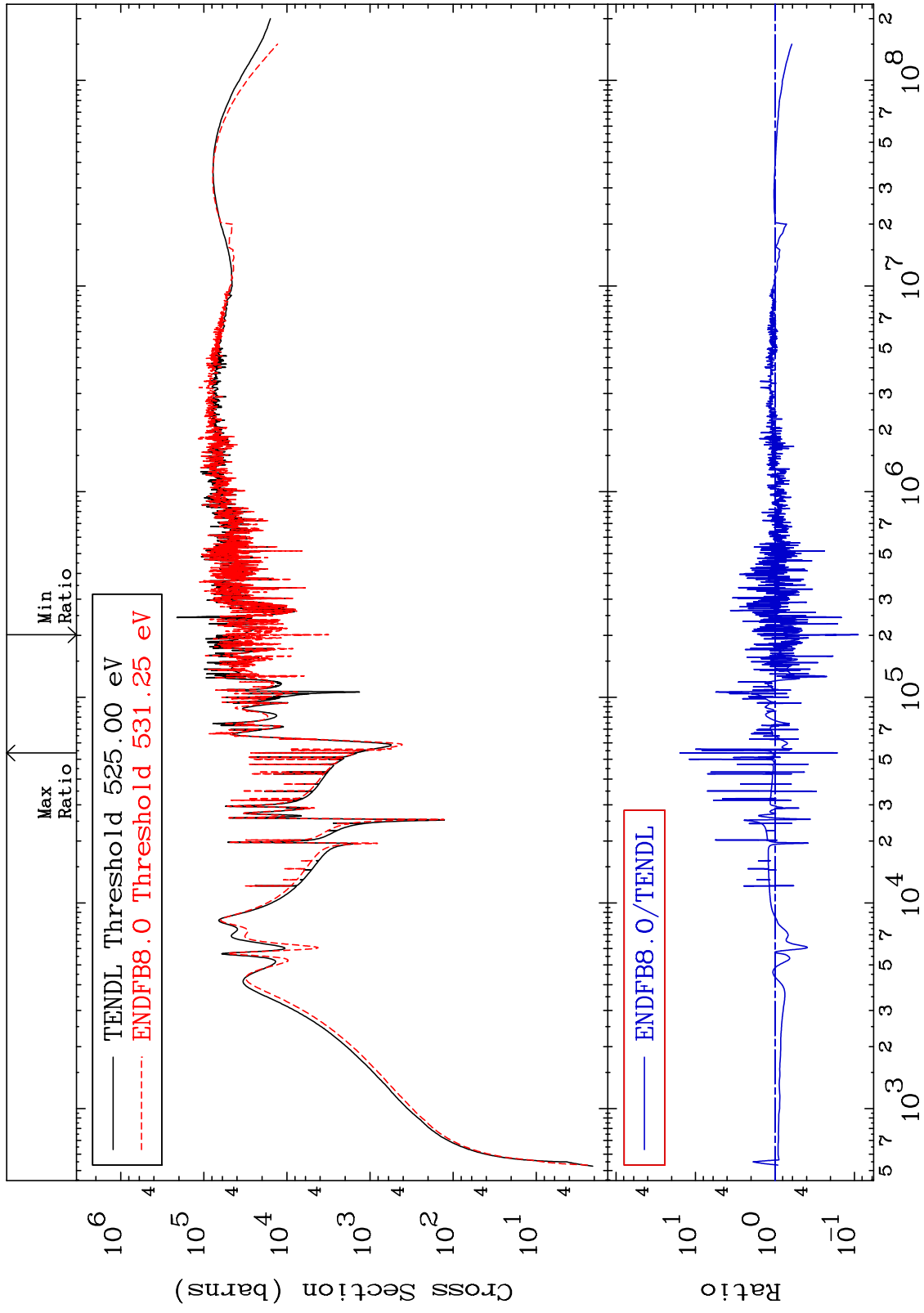
Incident Energy (eV)

24-Cr-53

MAT 2434

Dpa elastic (mt2)  
Cross Section

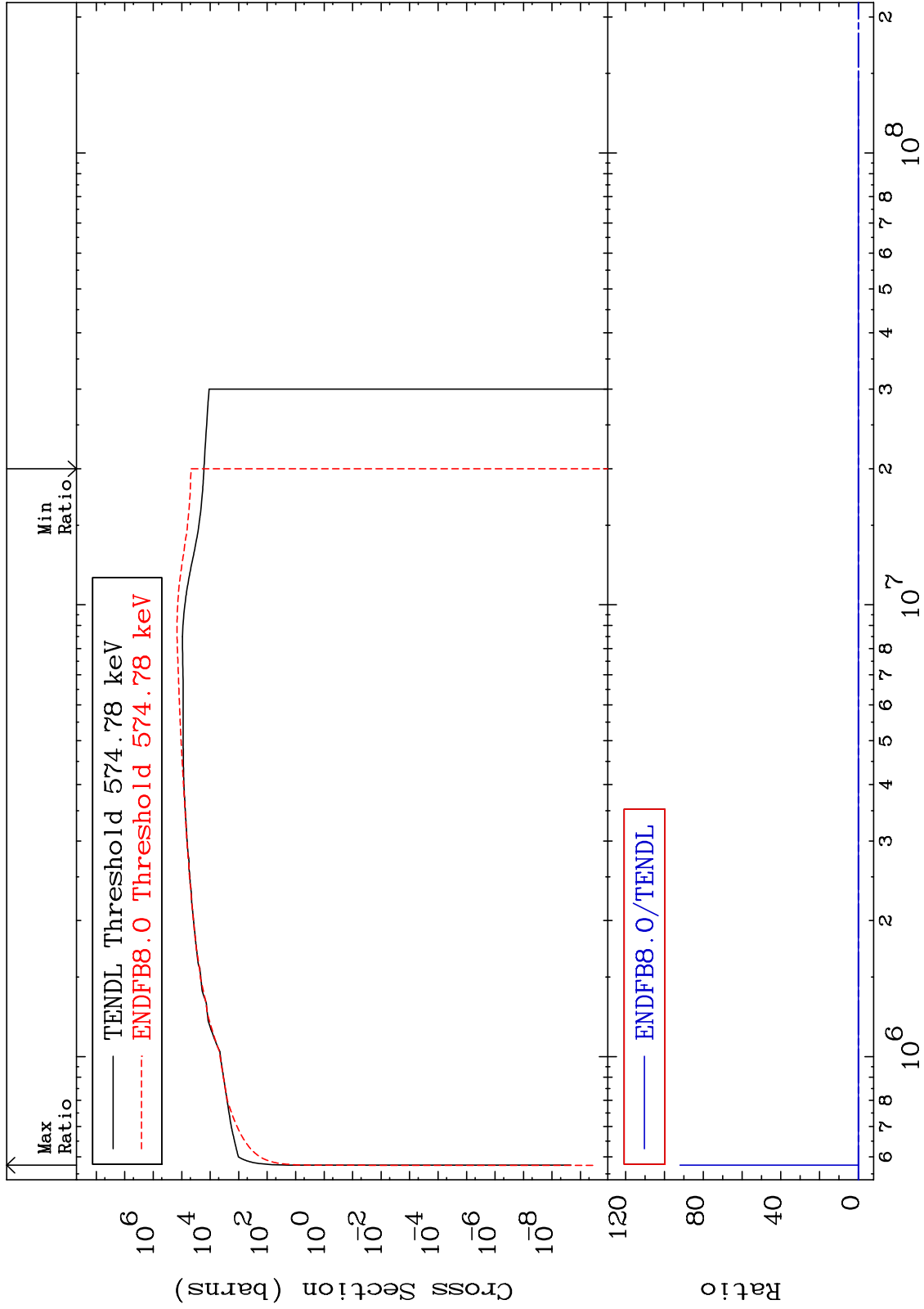
24-Cr-53  
-91.09 To 1467. %



MAT 2434

Dpa inelastic (mt51-91)  
Cross Section

24-Cr-53  
-100.0 To 9999. %

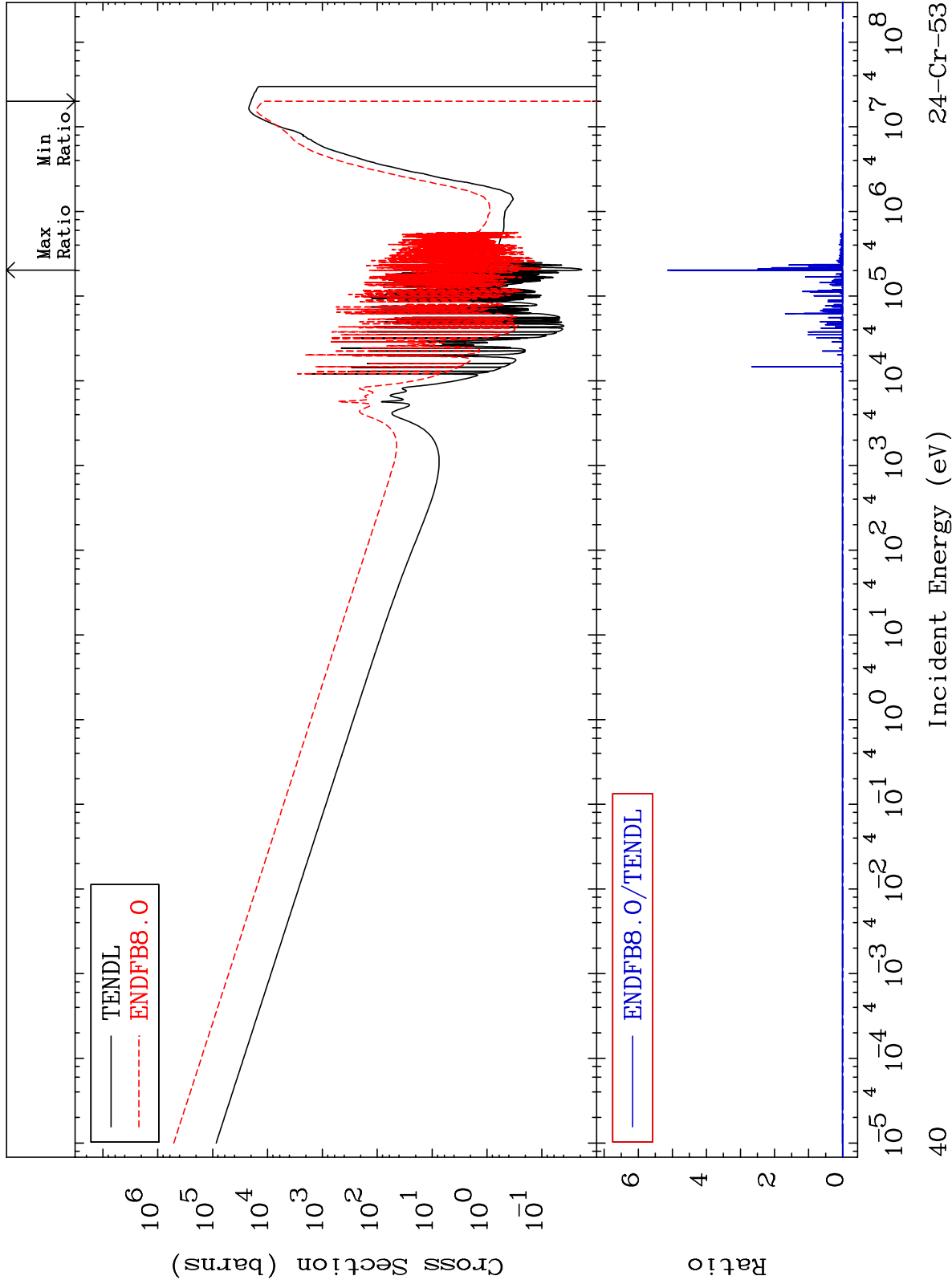




MAT 2434

Dpa disappearance (mt102 -120)  
Cross Section

24-Cr-53  
-100.0 To 9999. %



40

24-Cr-53