

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

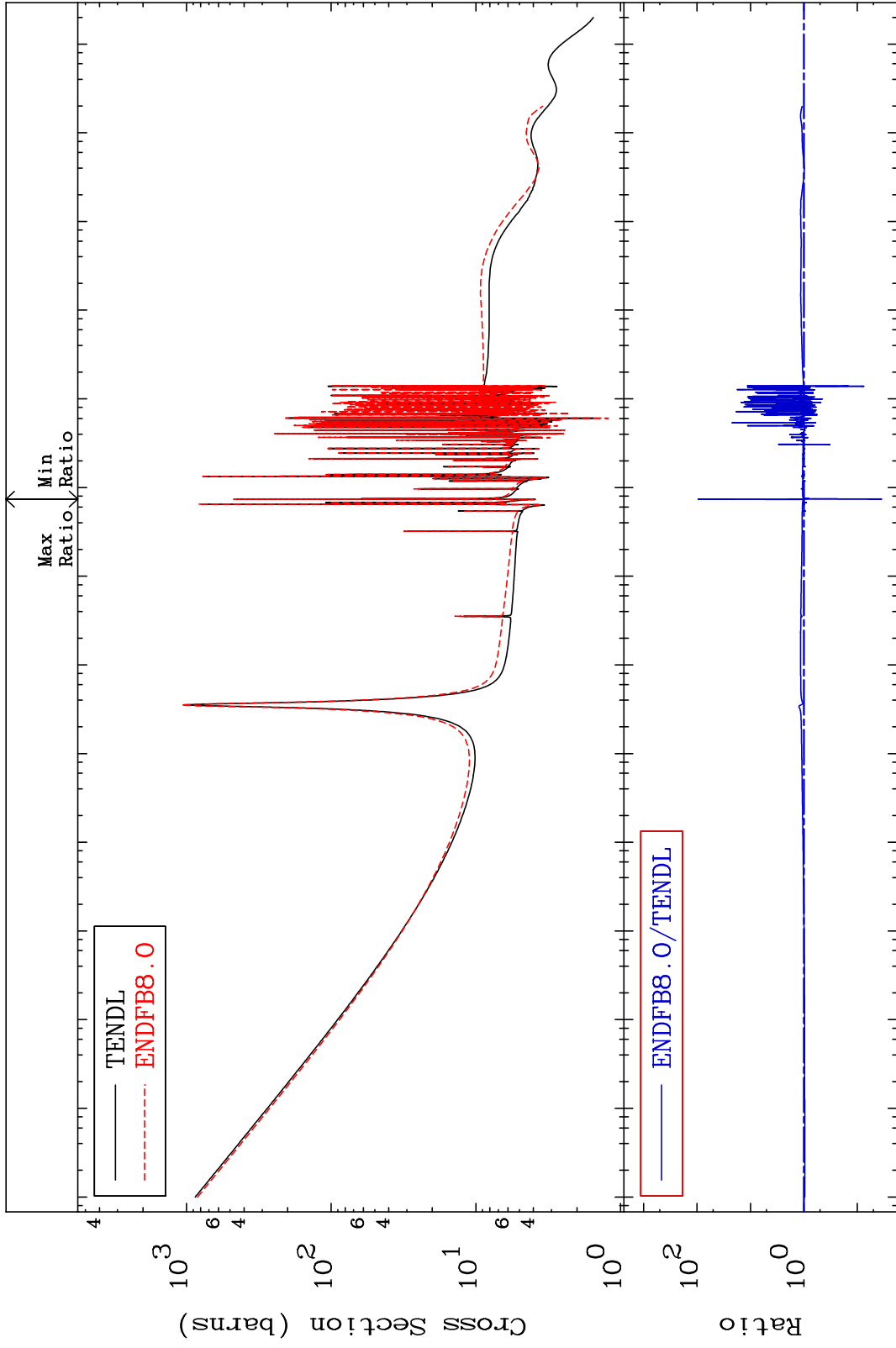
MAT 3834

Total

38-Sr-87

-96.49 To 9436. %

Cross Section



1

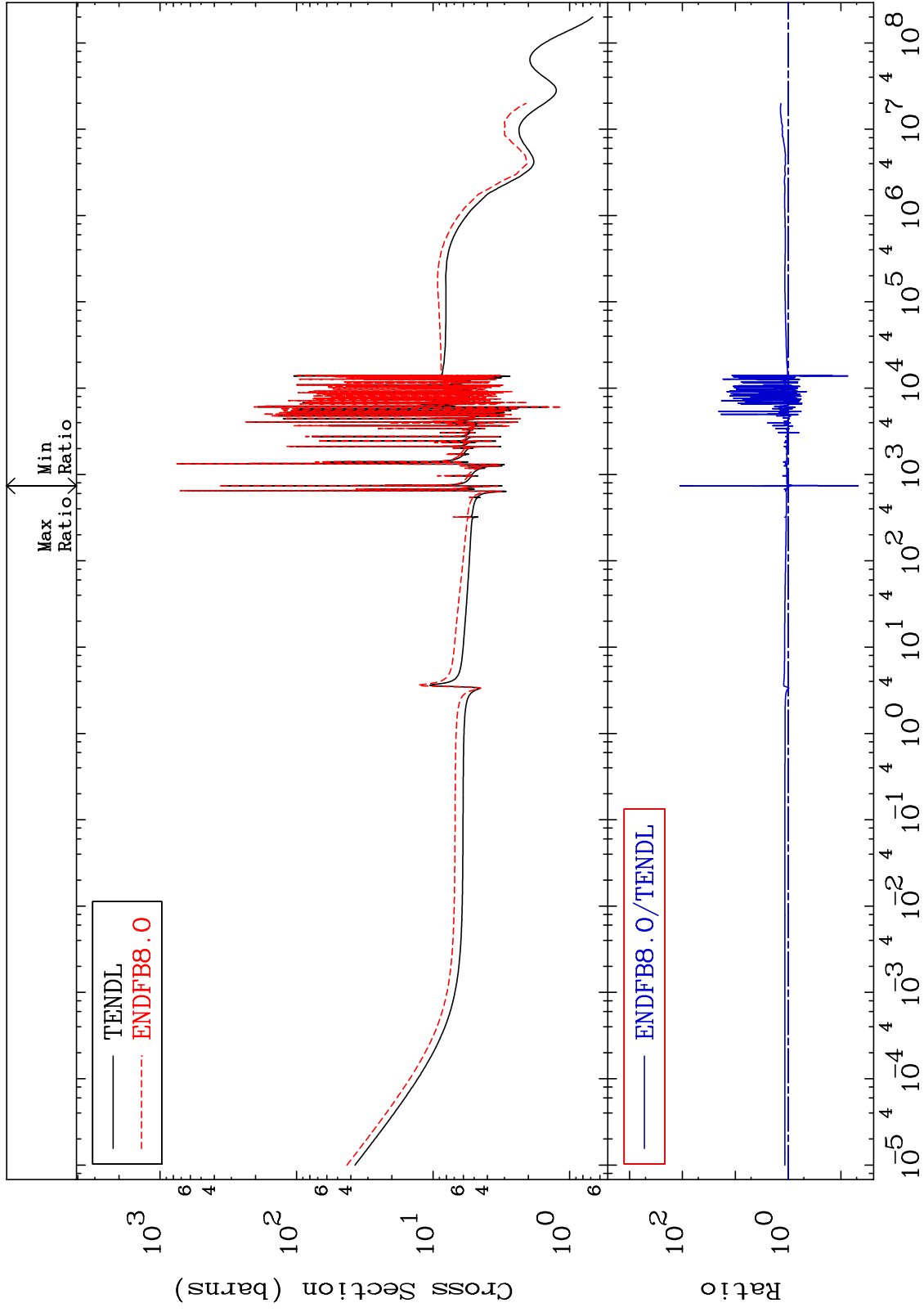
MAT 3834

Elastic

Cross Section

38-Sr-87

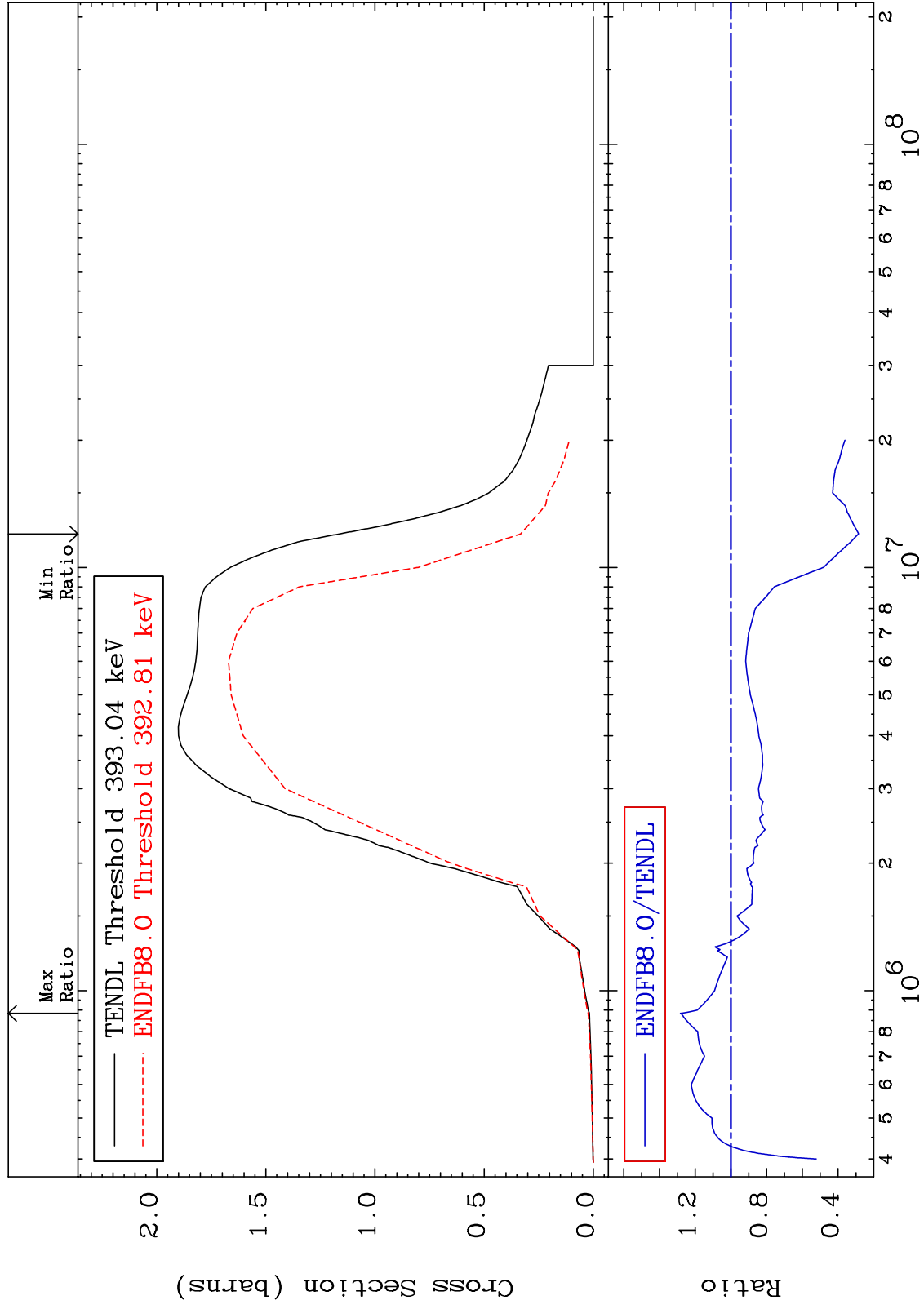
-95.35 To 9999. %



MAT 3834

Inelastic  
Cross Section

38-Sr-87  
-71.43 To 28.30 %



38-Sr-87

Incident Energy (eV)

3

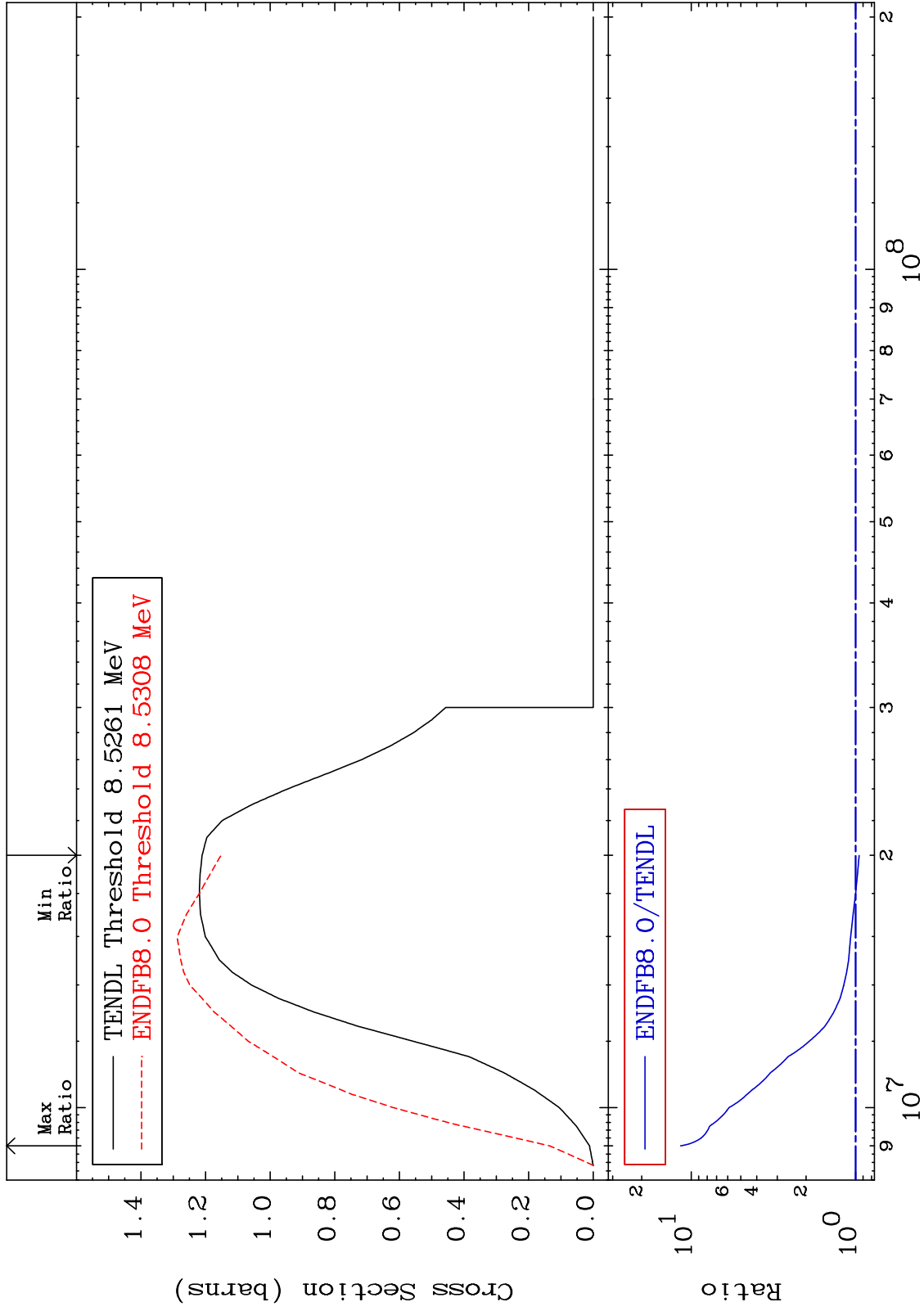
MAT 3834

(n,2n)

38-Sr-87

Cross Section

-4.829 To 1060. %



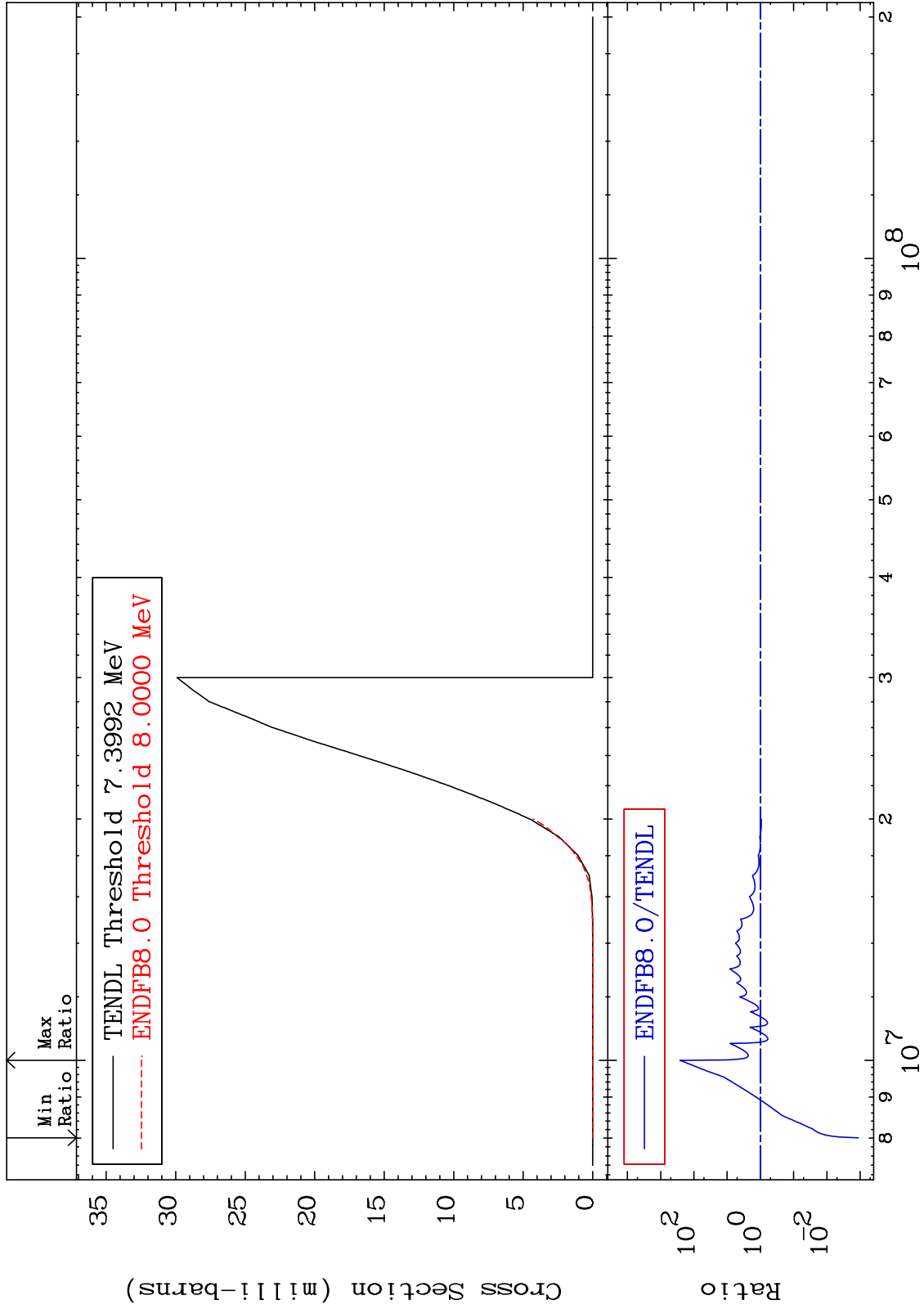
MAT 3834

(n,n')  $\alpha$

38-Sr-87

Cross Section

-99.89 To 9999. %



5

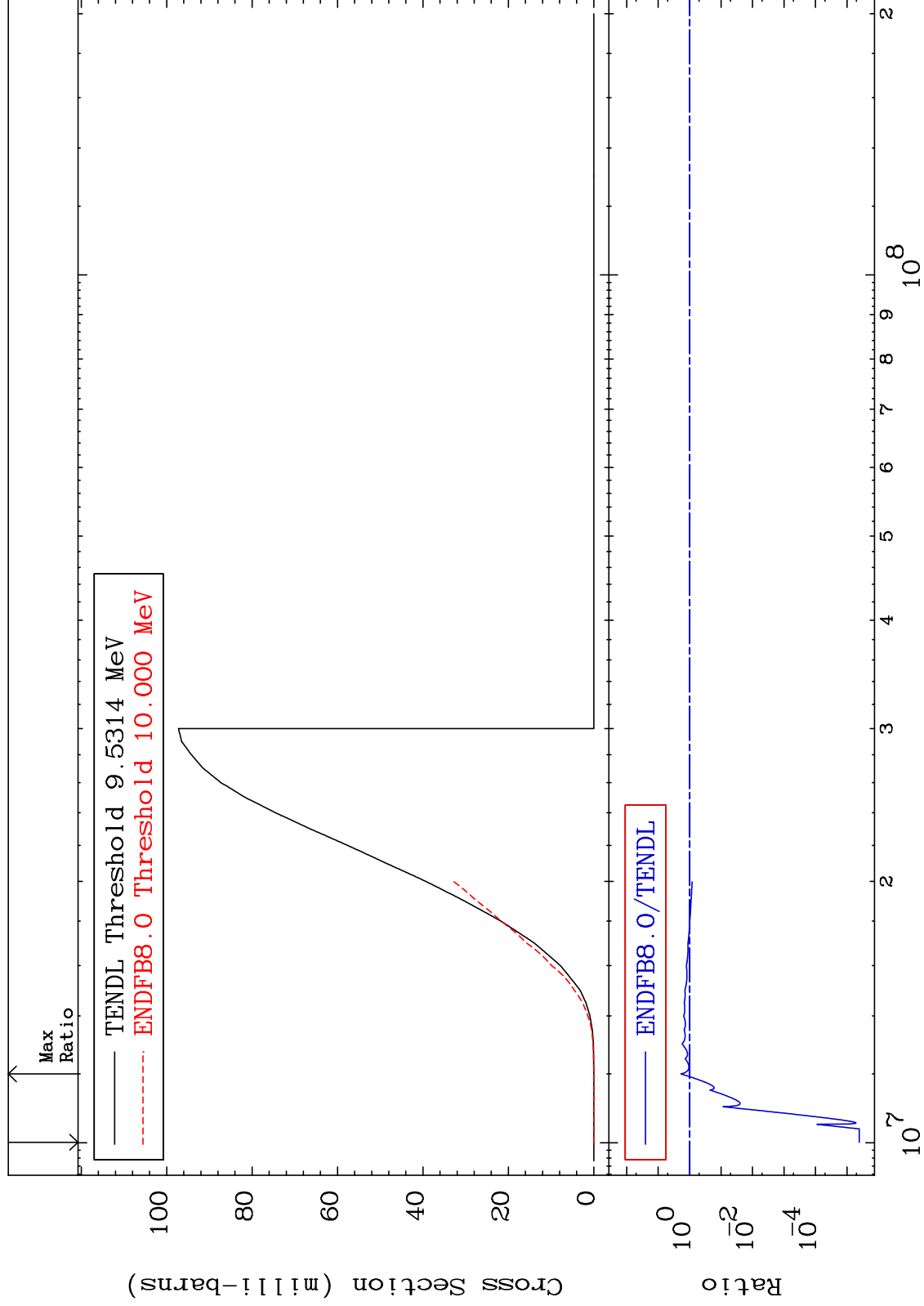
38-Sr-87

38-Sr-87

MAT 3834

(n,n') p  
Cross Section

38-Sr-87  
-100.0 To 87.22 %



Incident Energy (eV)

38-Sr-87

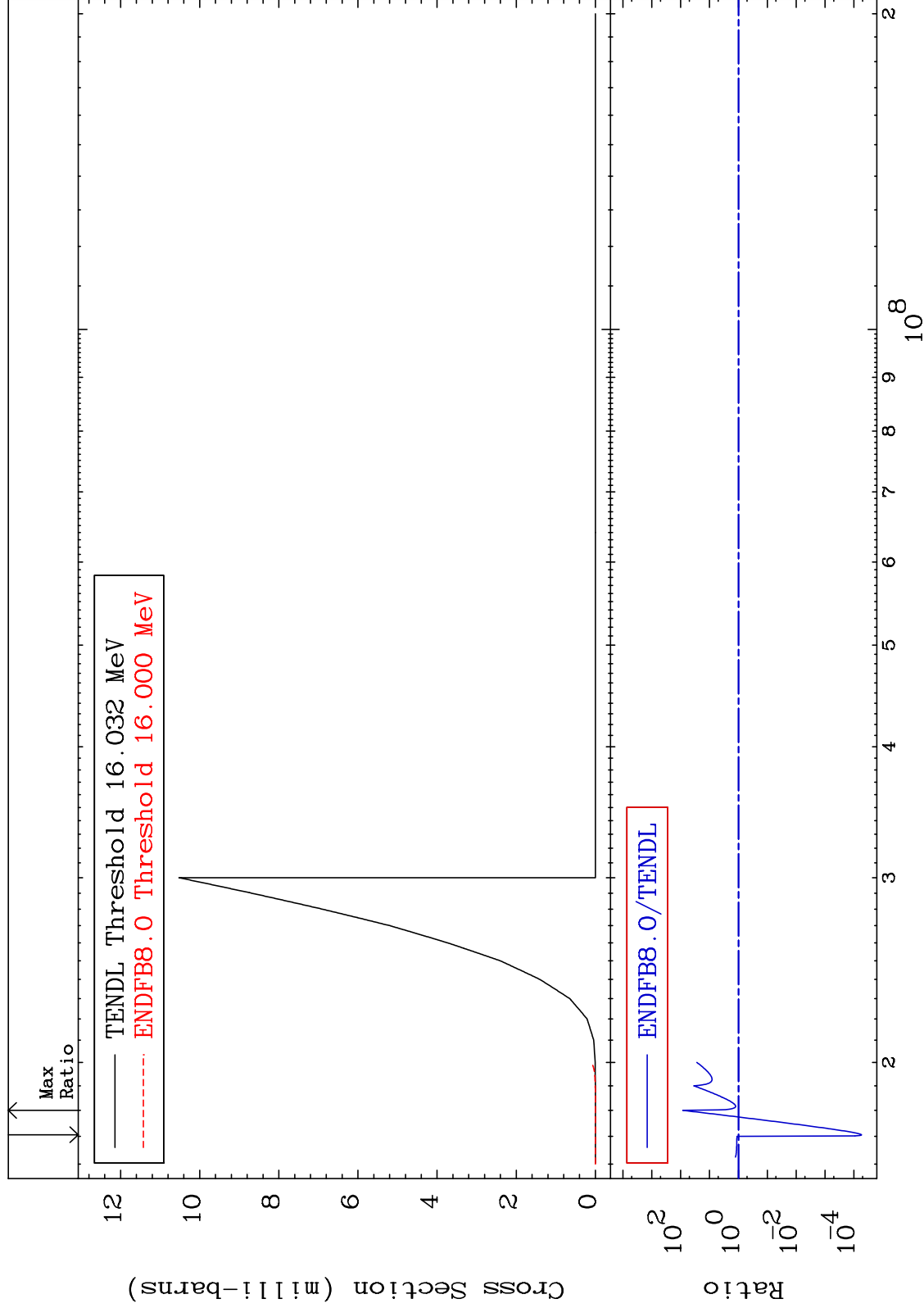
MAT 3834

(n, n') d

38-Sr-87

Cross Section

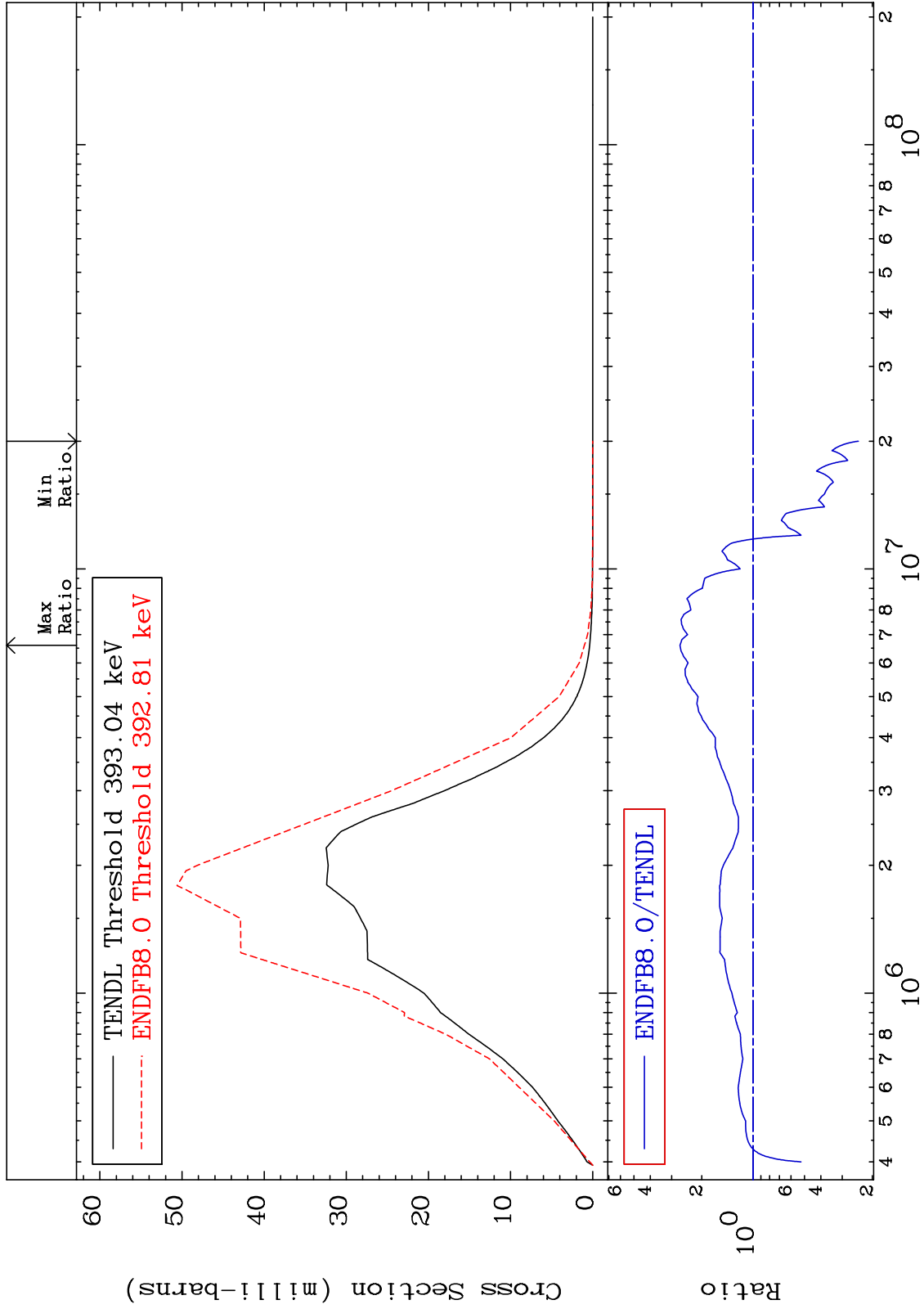
-99.99 To 8313. %



MAT 3834

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

38-Sr-87  
-75.88 To 168.1 %



8

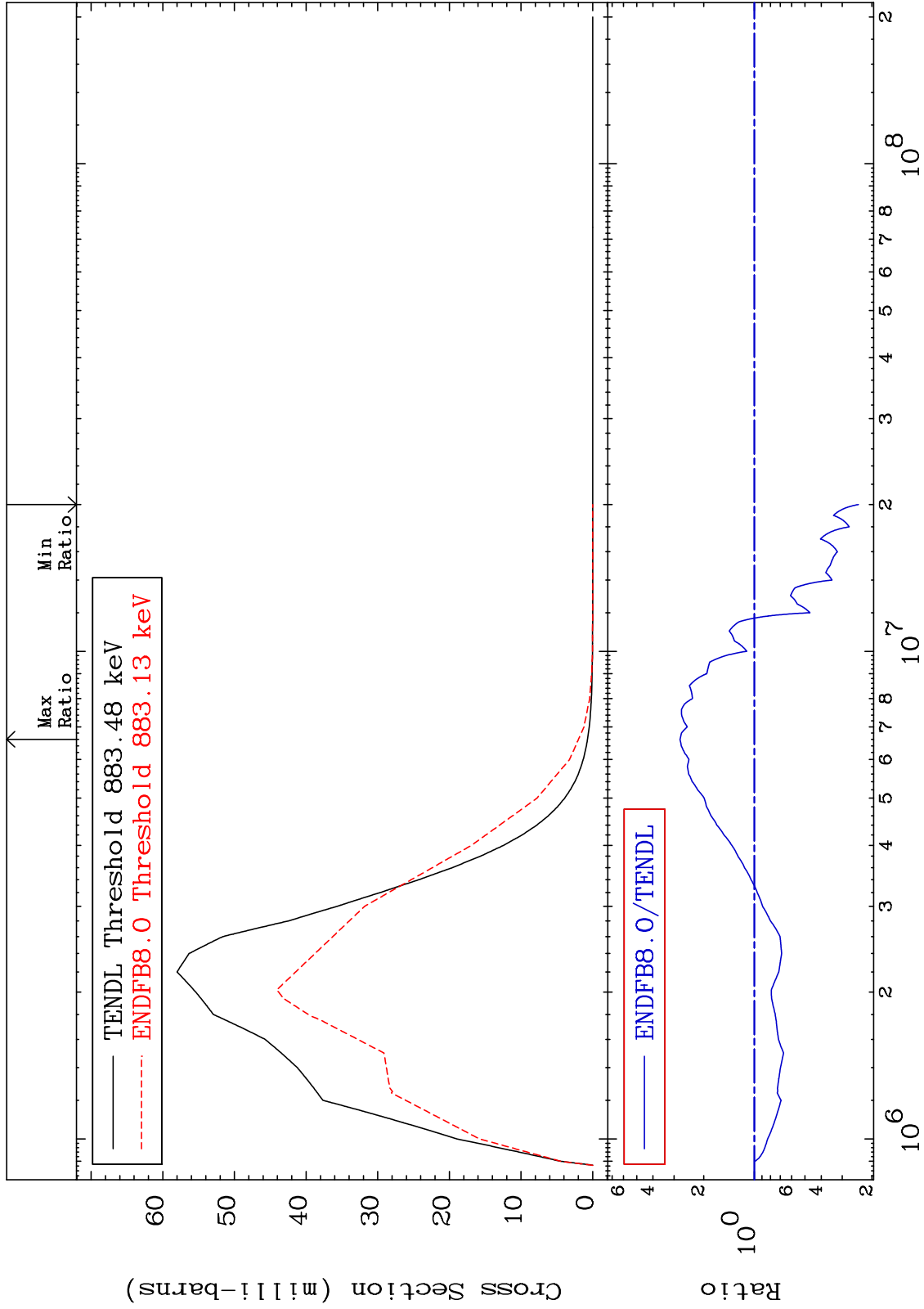
Incident Energy (eV)

38-Sr-87

MAT 3834

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

38-Sr-87  
-75.98 To 176.3 %



Incident Energy (eV)

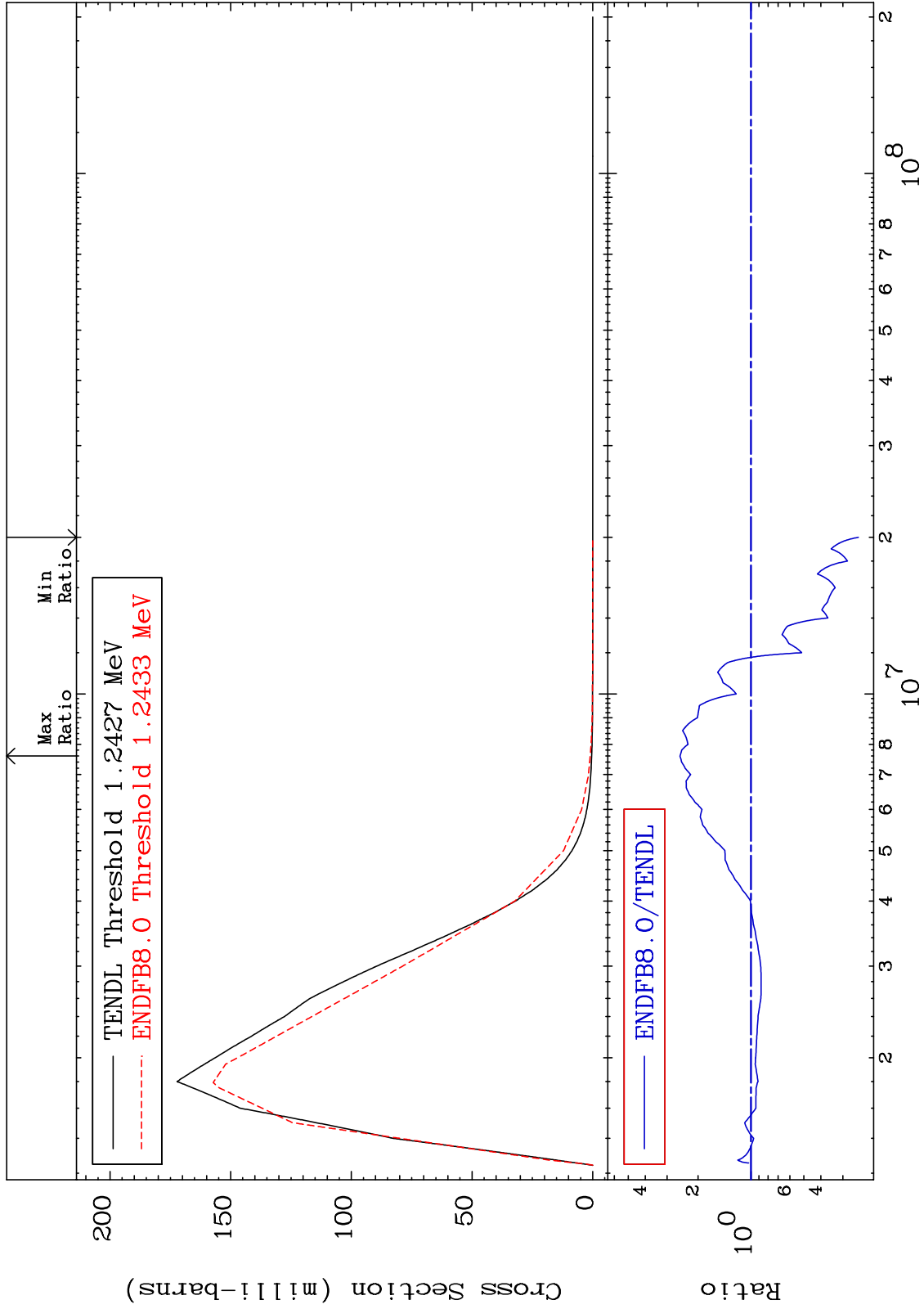
38-Sr-87

9

MAT 3834

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

38-Sr-87  
-75.56 To 153.4 %



10

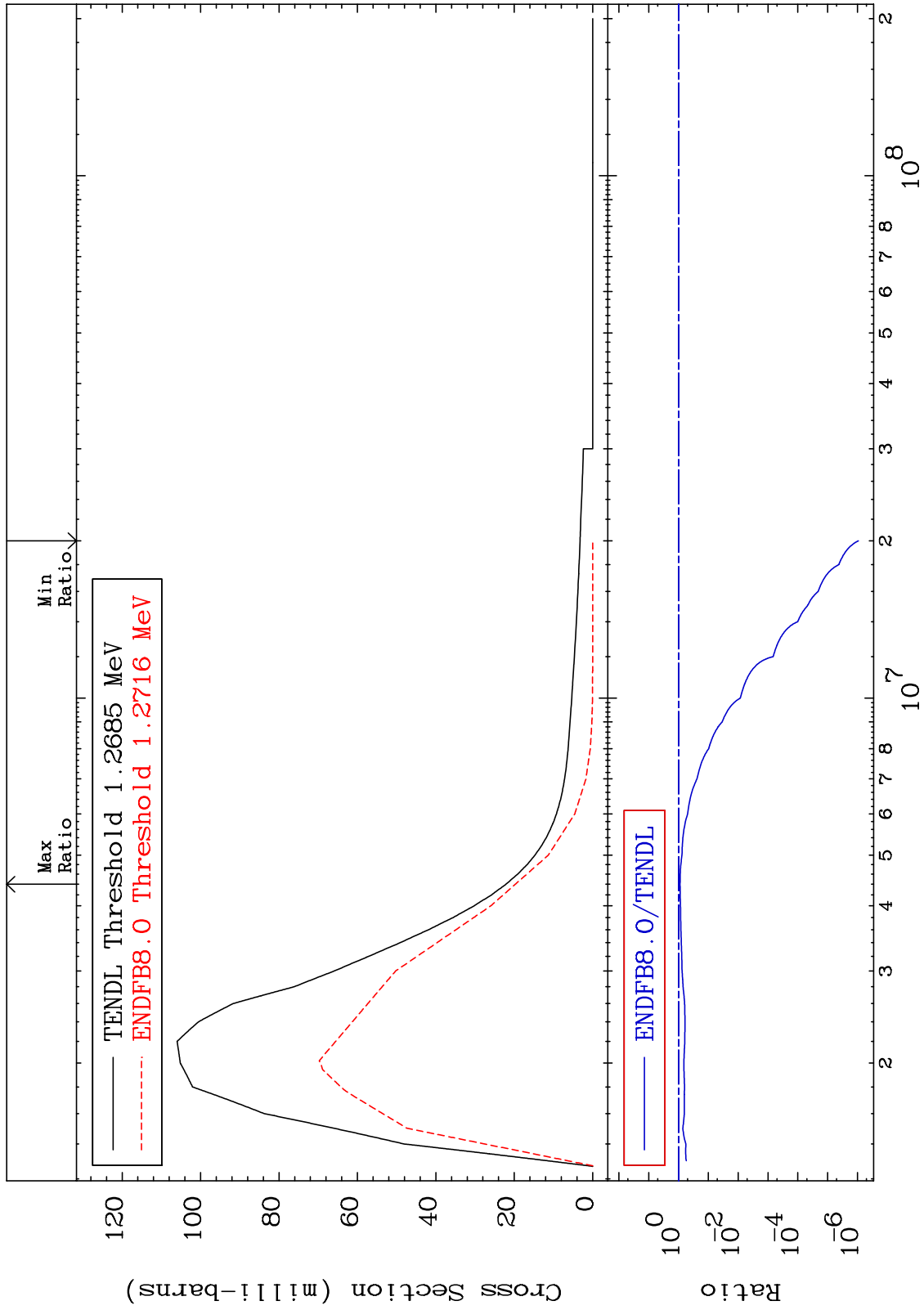
Incident Energy (eV)

38-Sr-87

MAT 3834

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

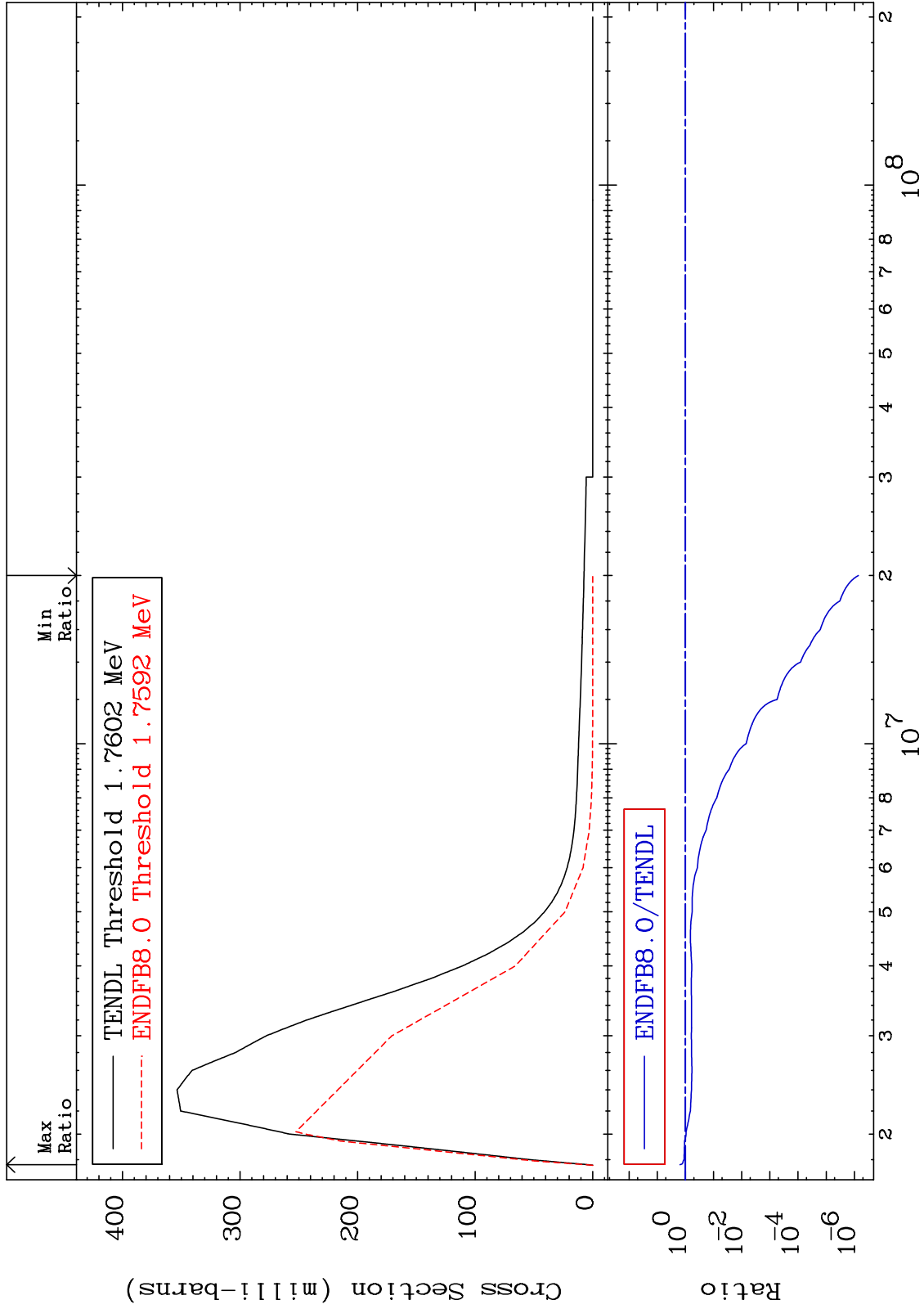
38-Sr-87  
-100.0 To -10.78%



MAT 3834

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

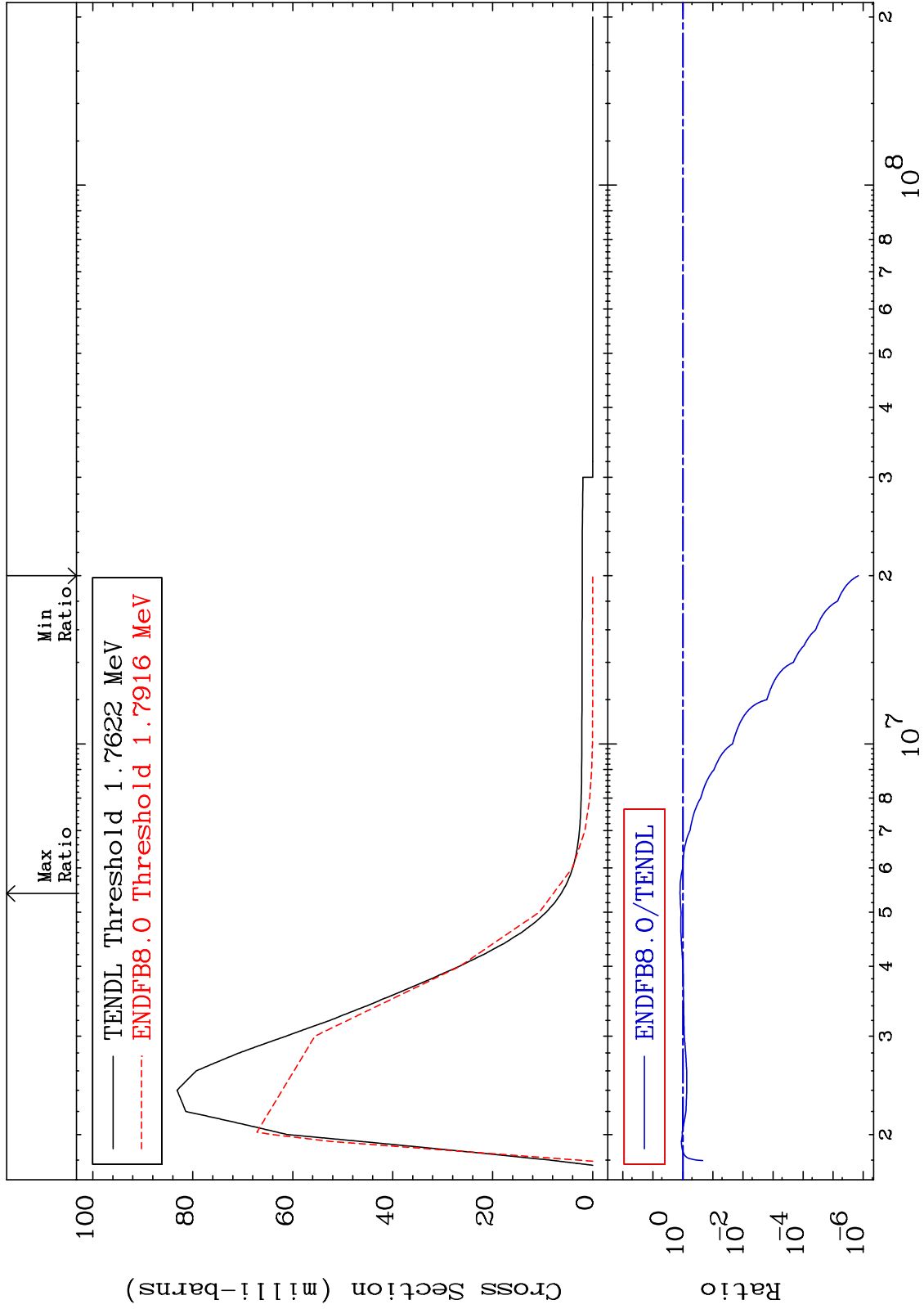
38-Sr-87  
-100.0 To 55.60 %



MAT 3834

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

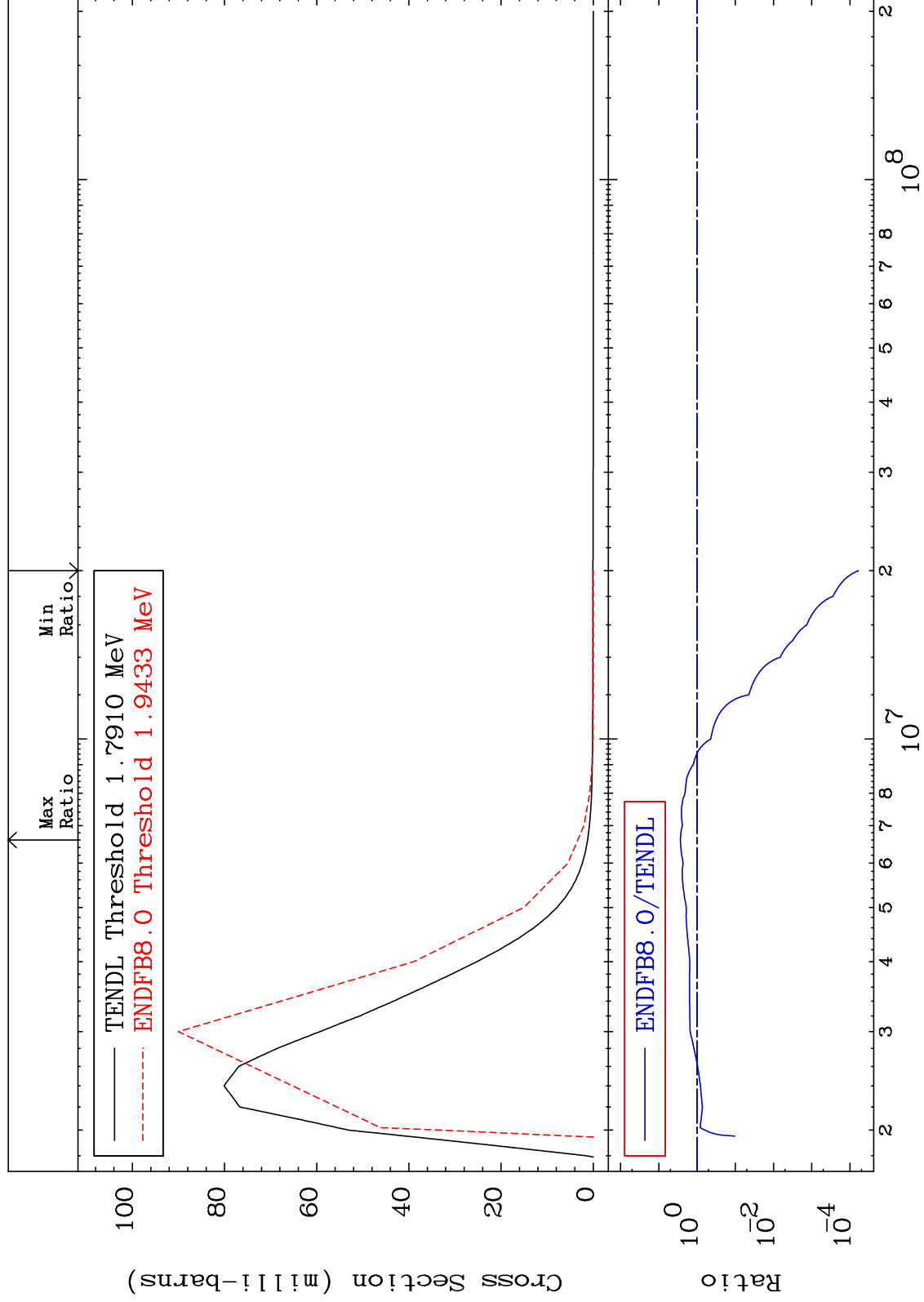
38-Sr-87  
-100.0 To 25.11 %



MAT 3834

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

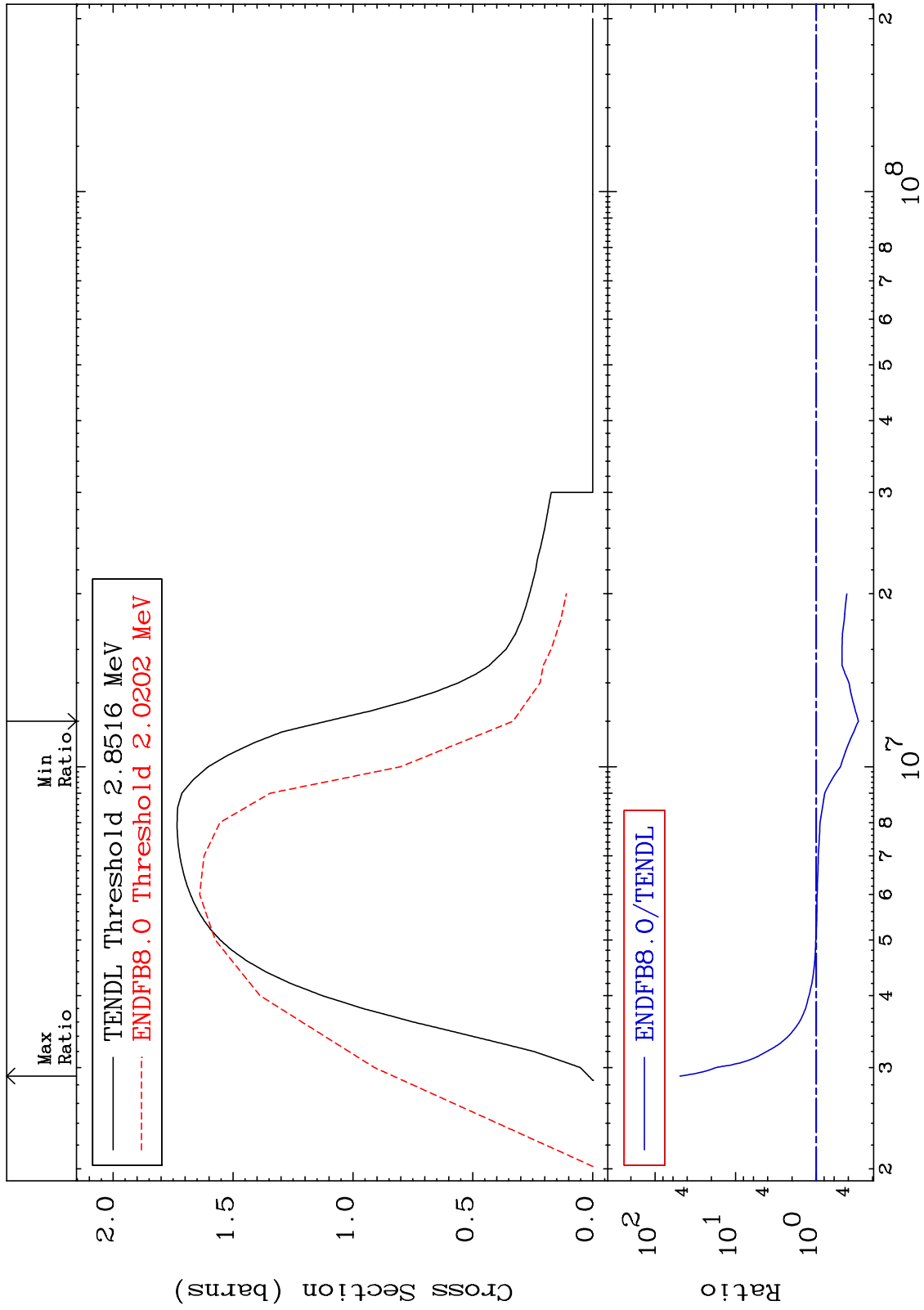
38-Sr-87  
-99.99 To 171.4 %



MAT 3834

(n,n') Continuum  
Cross Section

38-Sr-87  
-70.06 To 4809. %



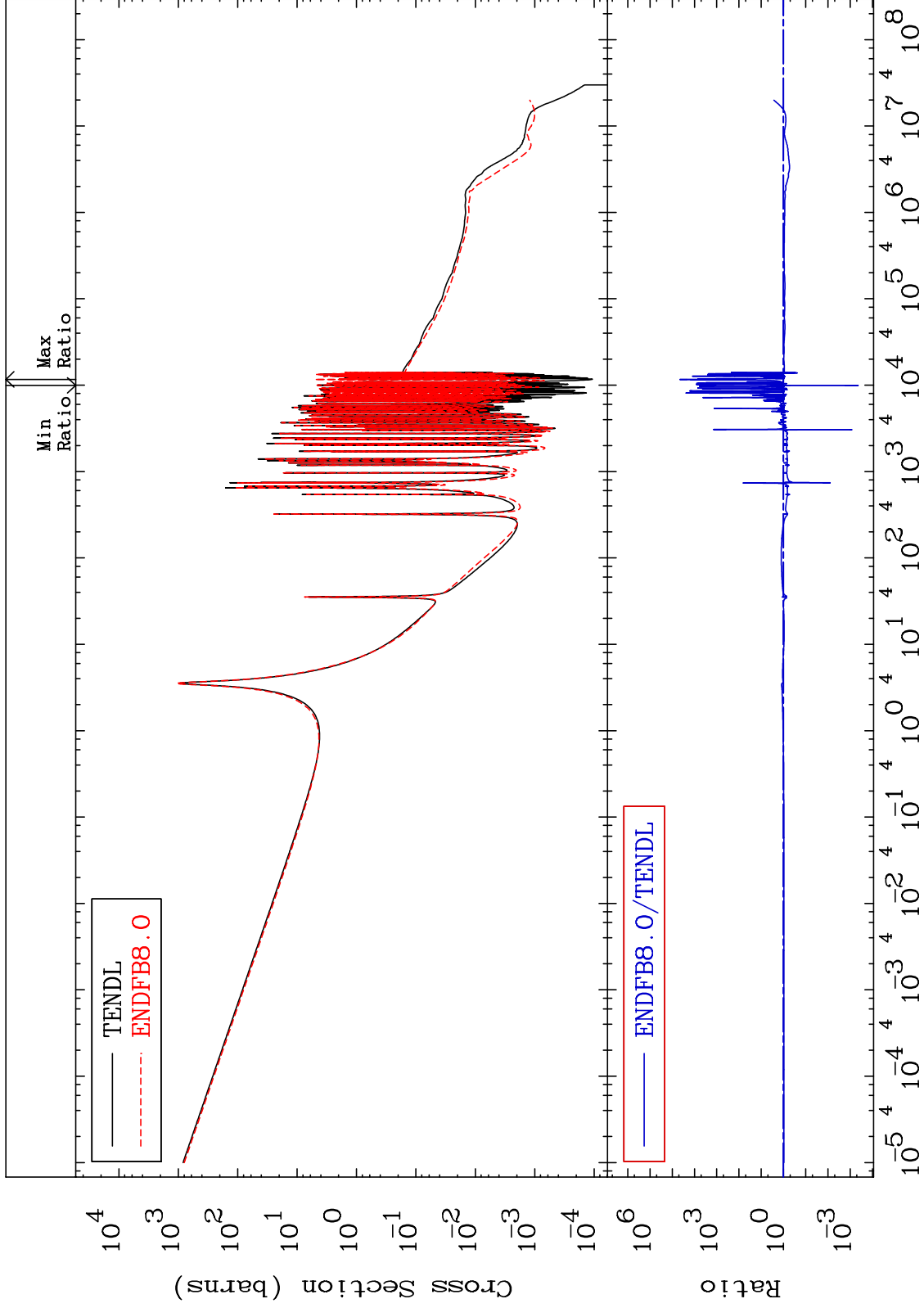
MAT 3834

(n,  $\gamma$ )

38-Sr-87

Cross Section

-99.96 To 9999. %



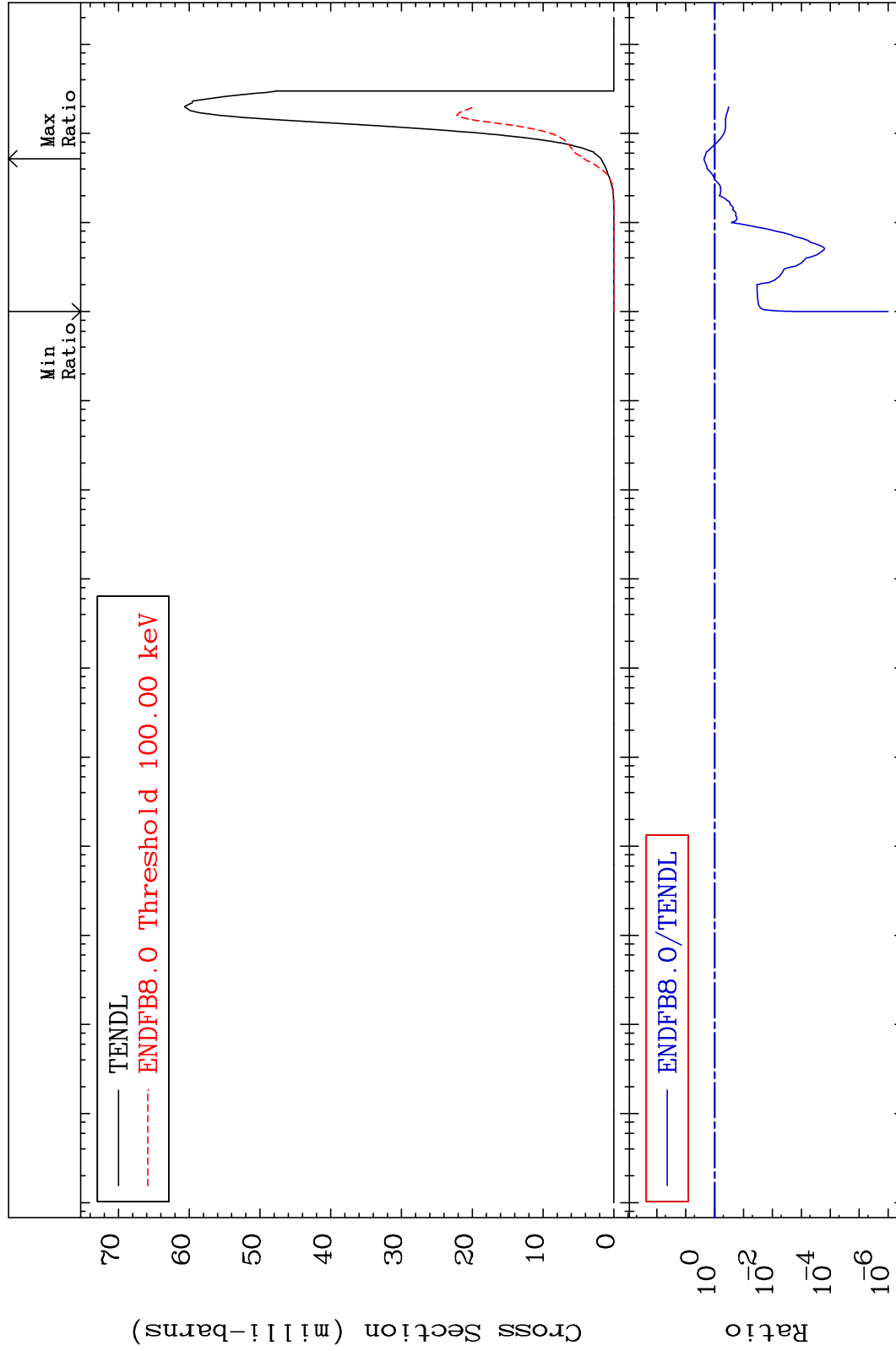
MAT 3834

(n, p)

38-Sr-87

Cross Section

-100.0 To 133.3 %



— TENDL  
- - - ENDFB8.0 Threshold 100.00 keV

— ENDFB8.0/TENDL

10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>  
Incident Energy (eV)

38-Sr-87

17

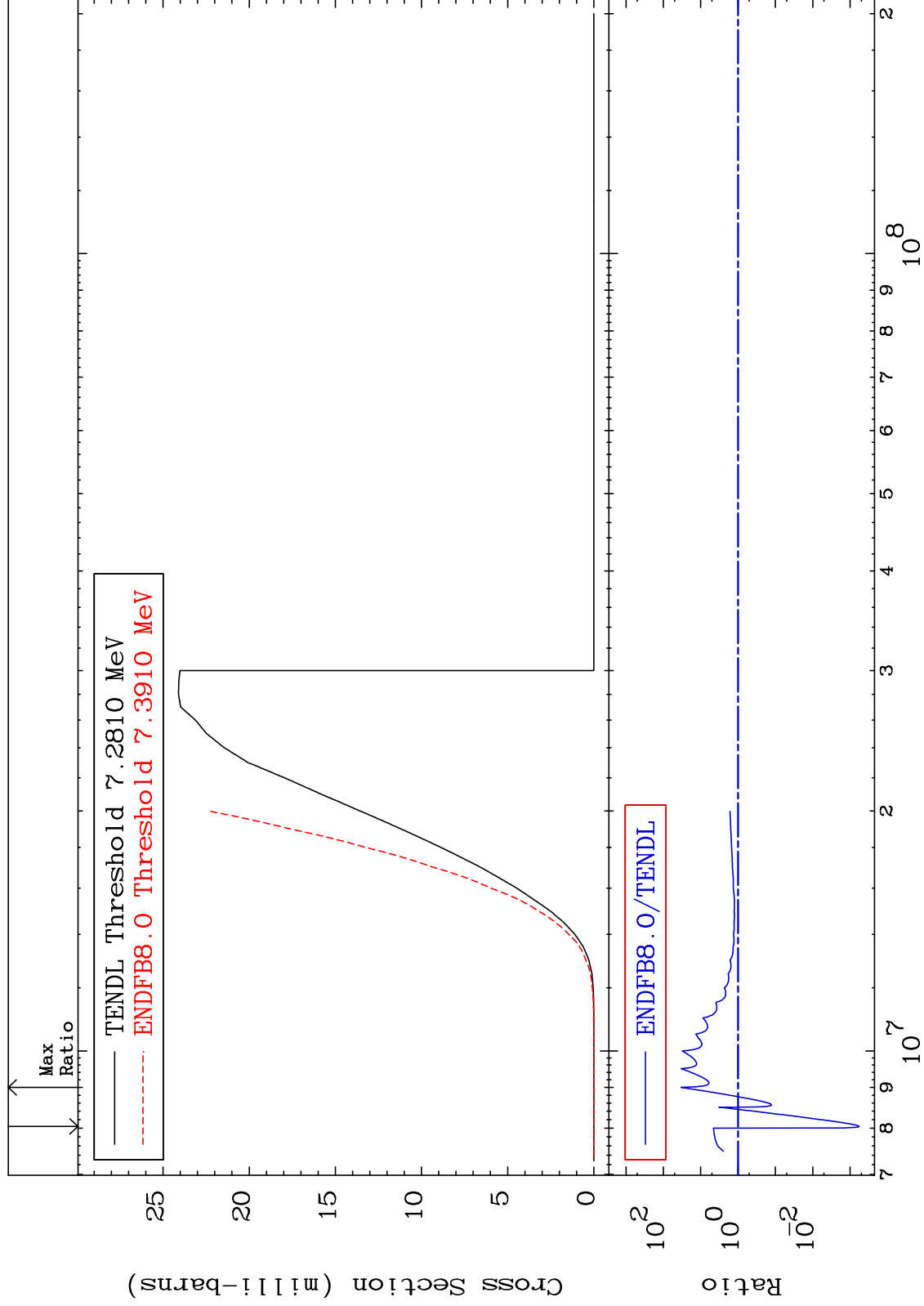
MAT 3834

(n,d)

38-Sr-87

Cross Section

-99.94 To 3256. %



18

Incident Energy (eV)

38-Sr-87

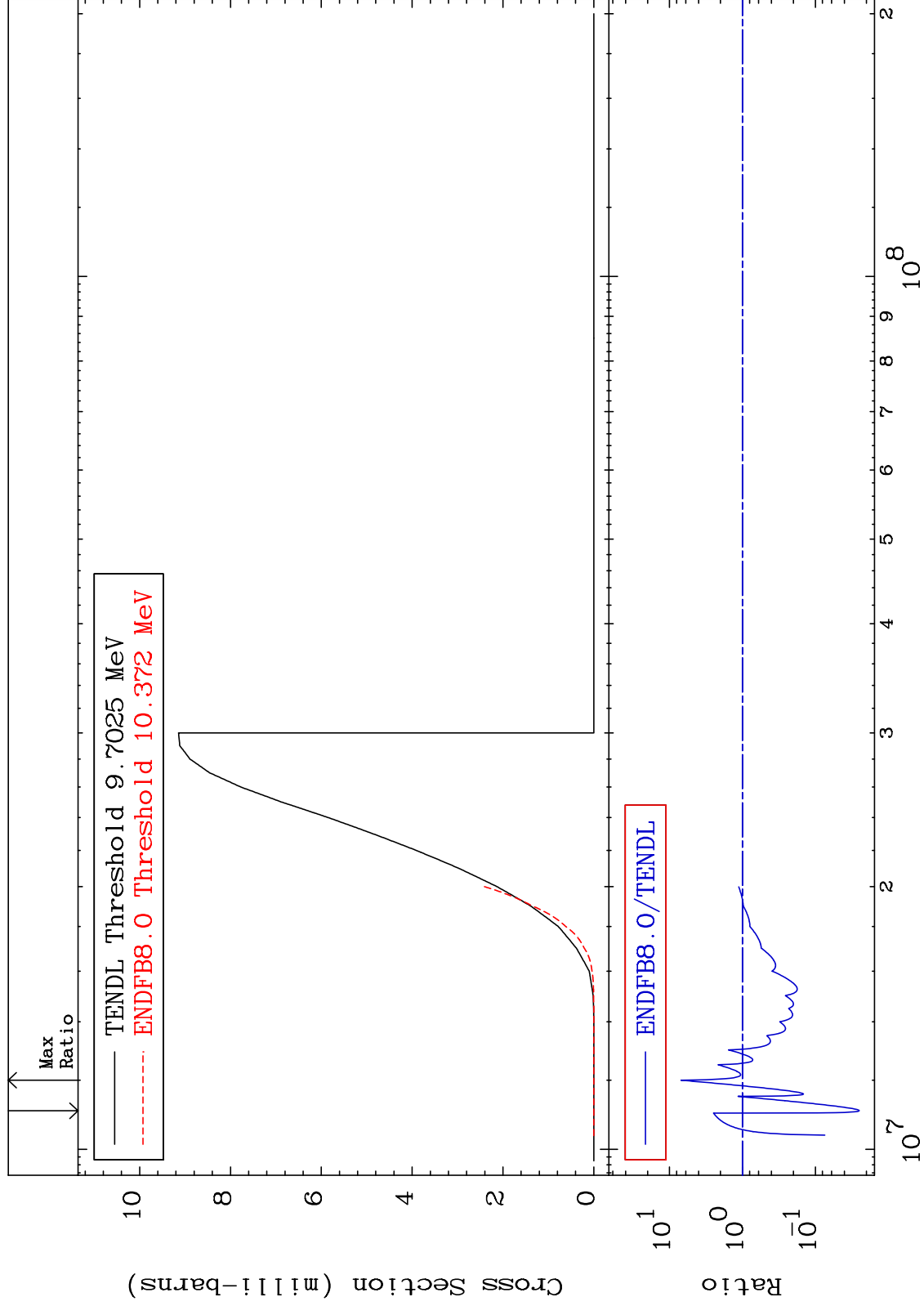
MAT 3834

(n, t)

38-Sr-87

Cross Section

-97.50 To 595.2 %



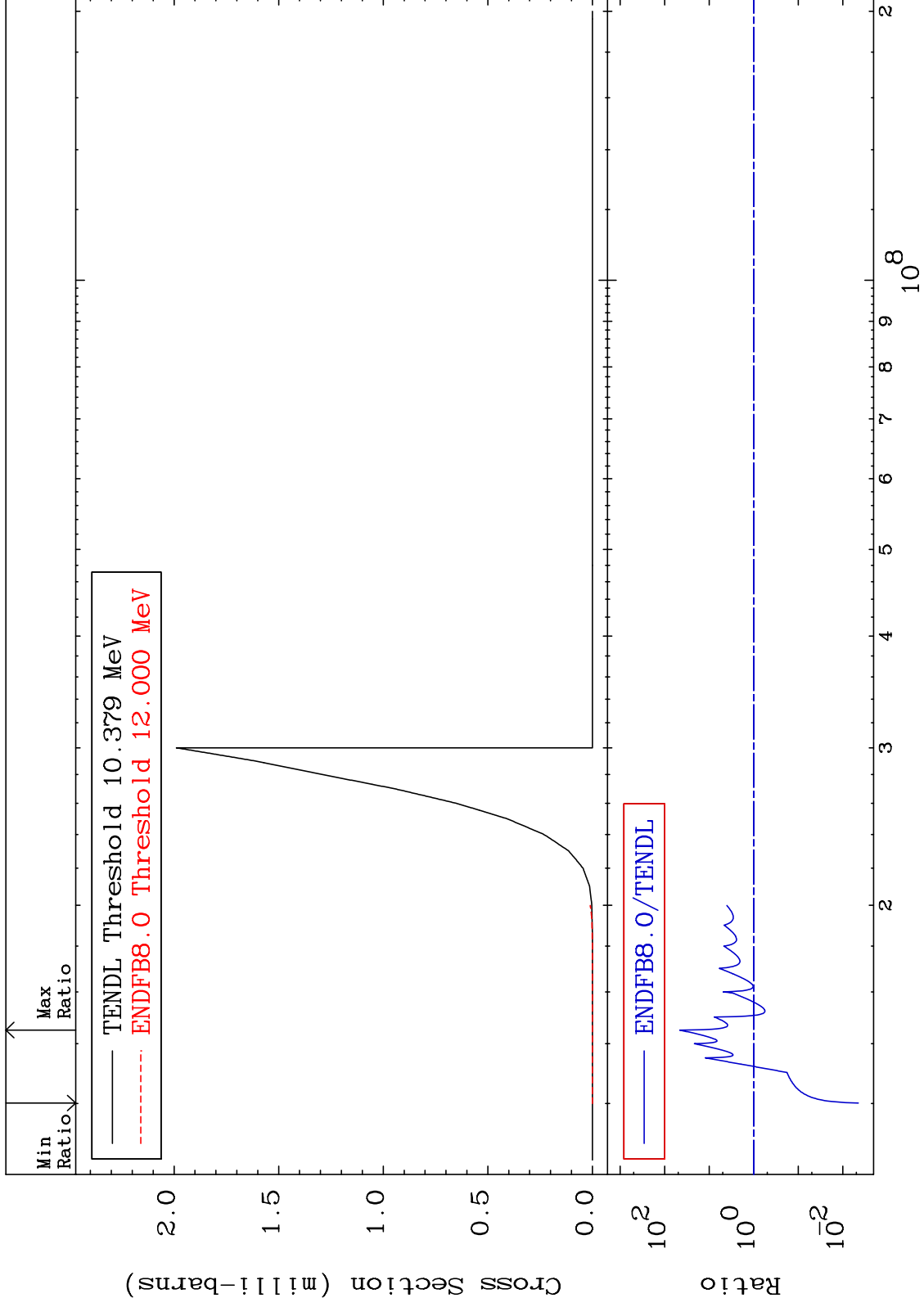
38-Sr-87

Incident Energy (eV)

19

Cross Section

-99.55 To 4491. %



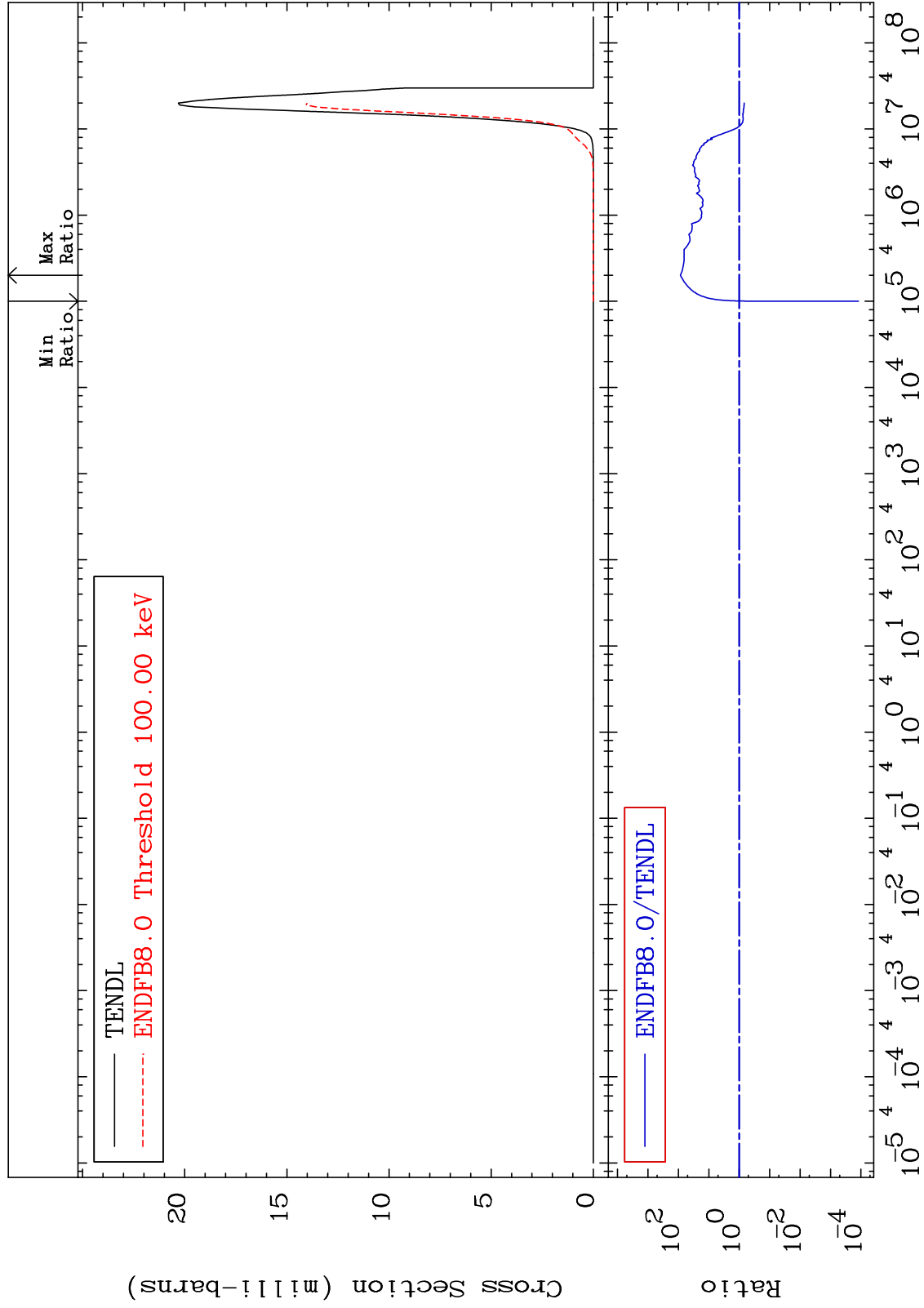
MAT 3834

(n,  $\alpha$ )

38-Sr-87

Cross Section

-99.99 To 8468. %



21

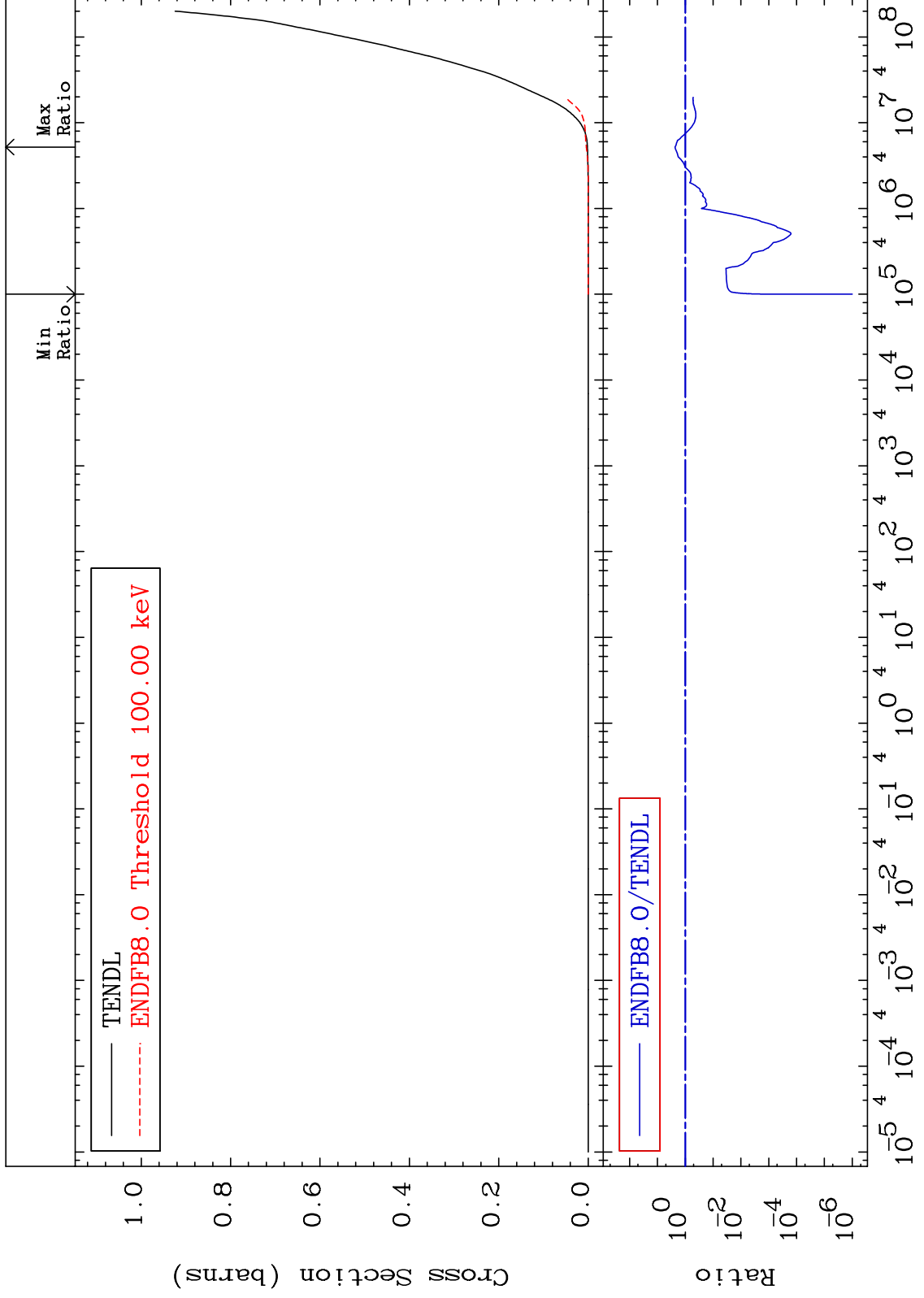
Incident Energy (eV)

38-Sr-87

MAT 3834

### Hydrogen Production Cross Section

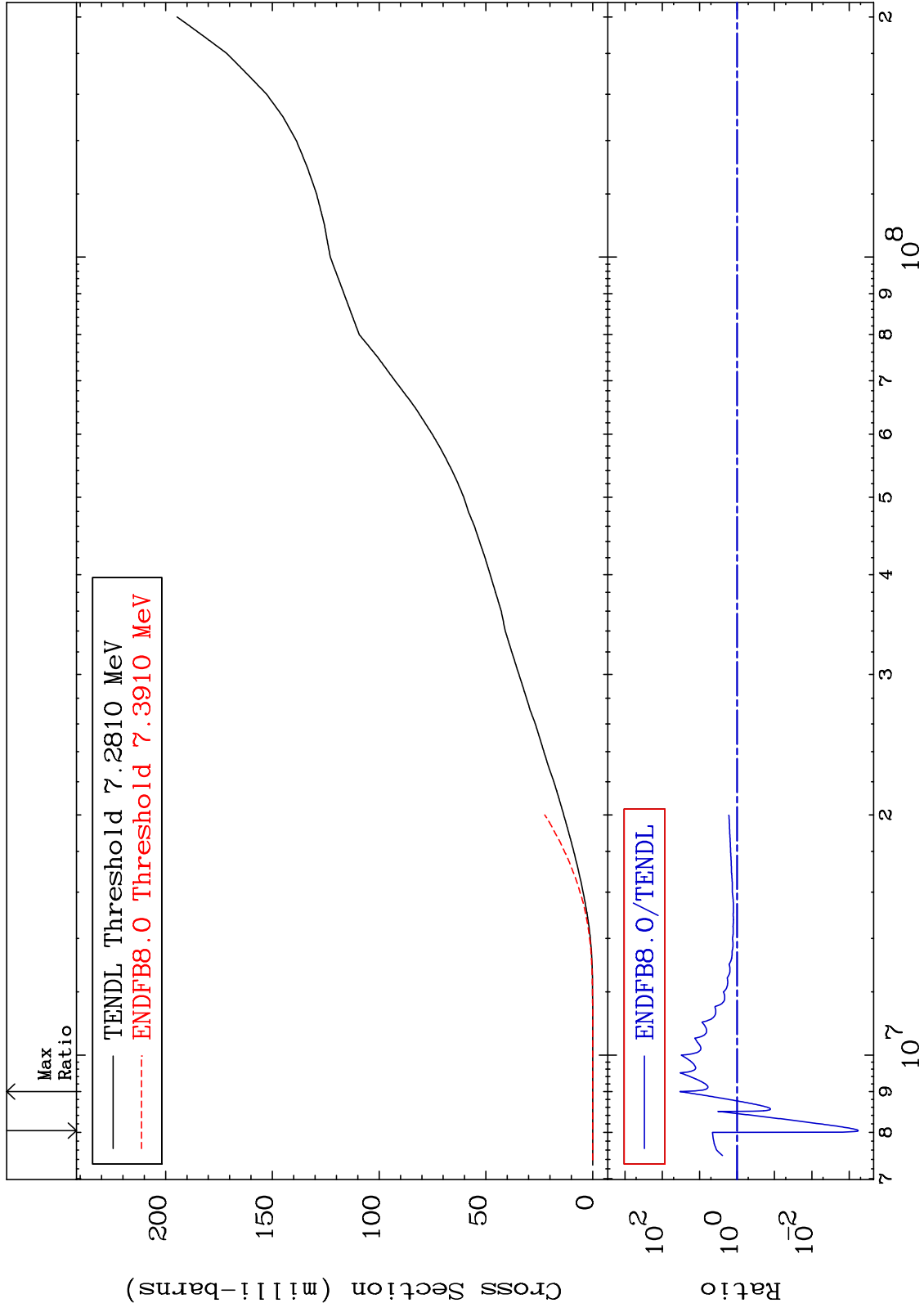
38-Sr-87  
-100.0 To 133.3 %



MAT 3834

Deuterium Production  
Cross Section

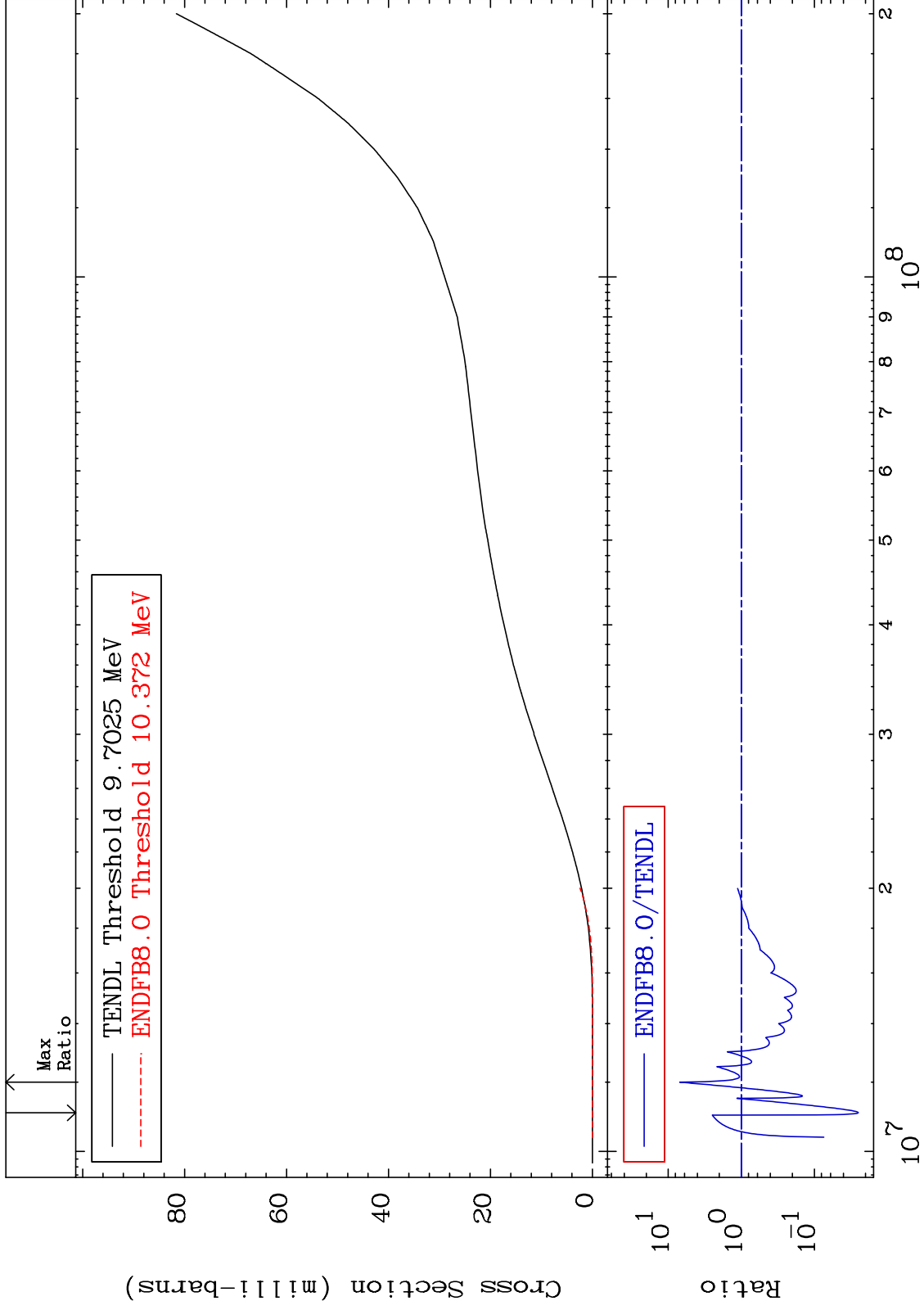
38-Sr-87  
-99.94 To 3256. %



MAT 3834

Tritium Production  
Cross Section

38-Sr-87  
-97.50 To 595.2 %



24

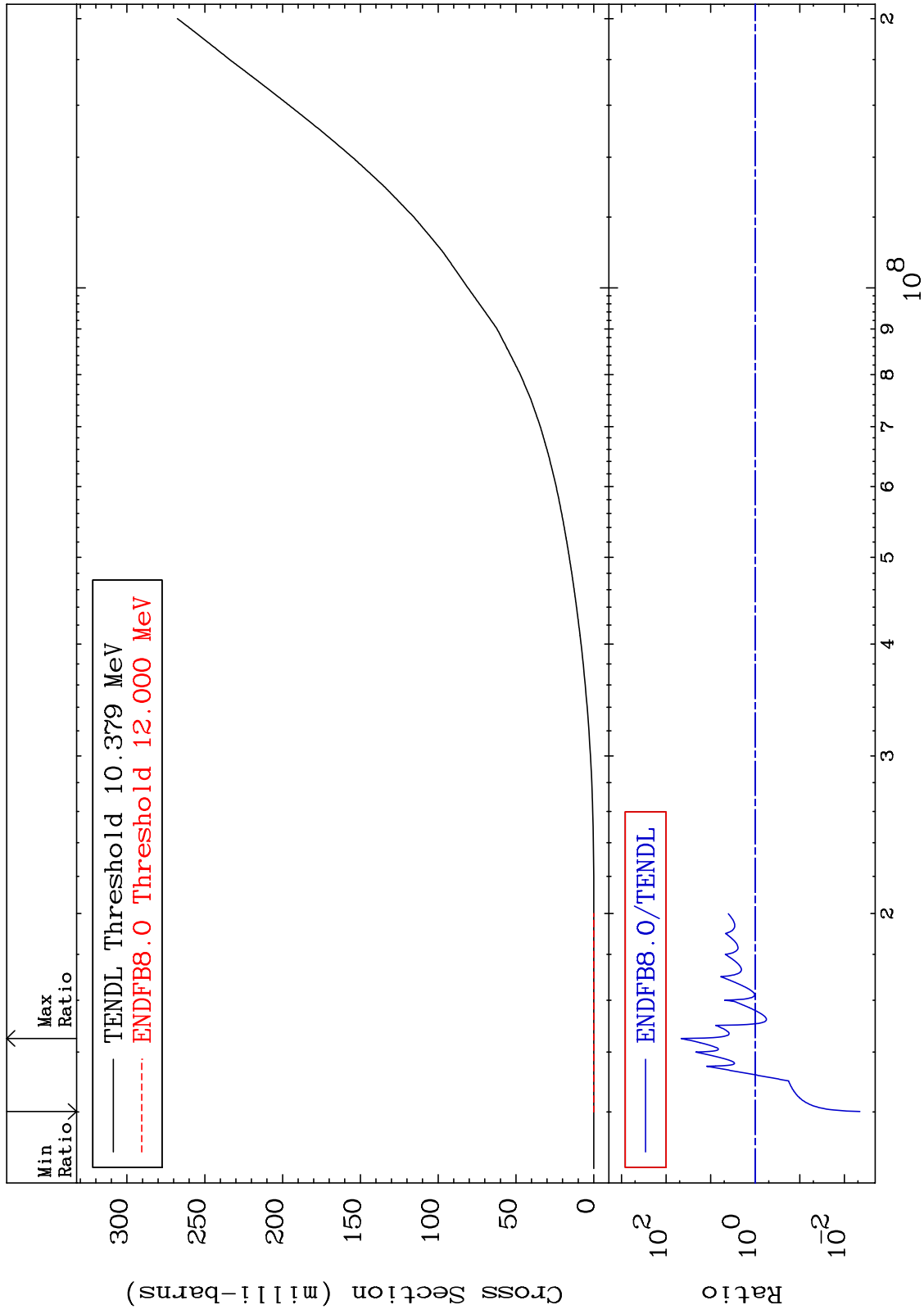
Incident Energy (eV)

38-Sr-87

MAT 3834

He-3 Production  
Cross Section

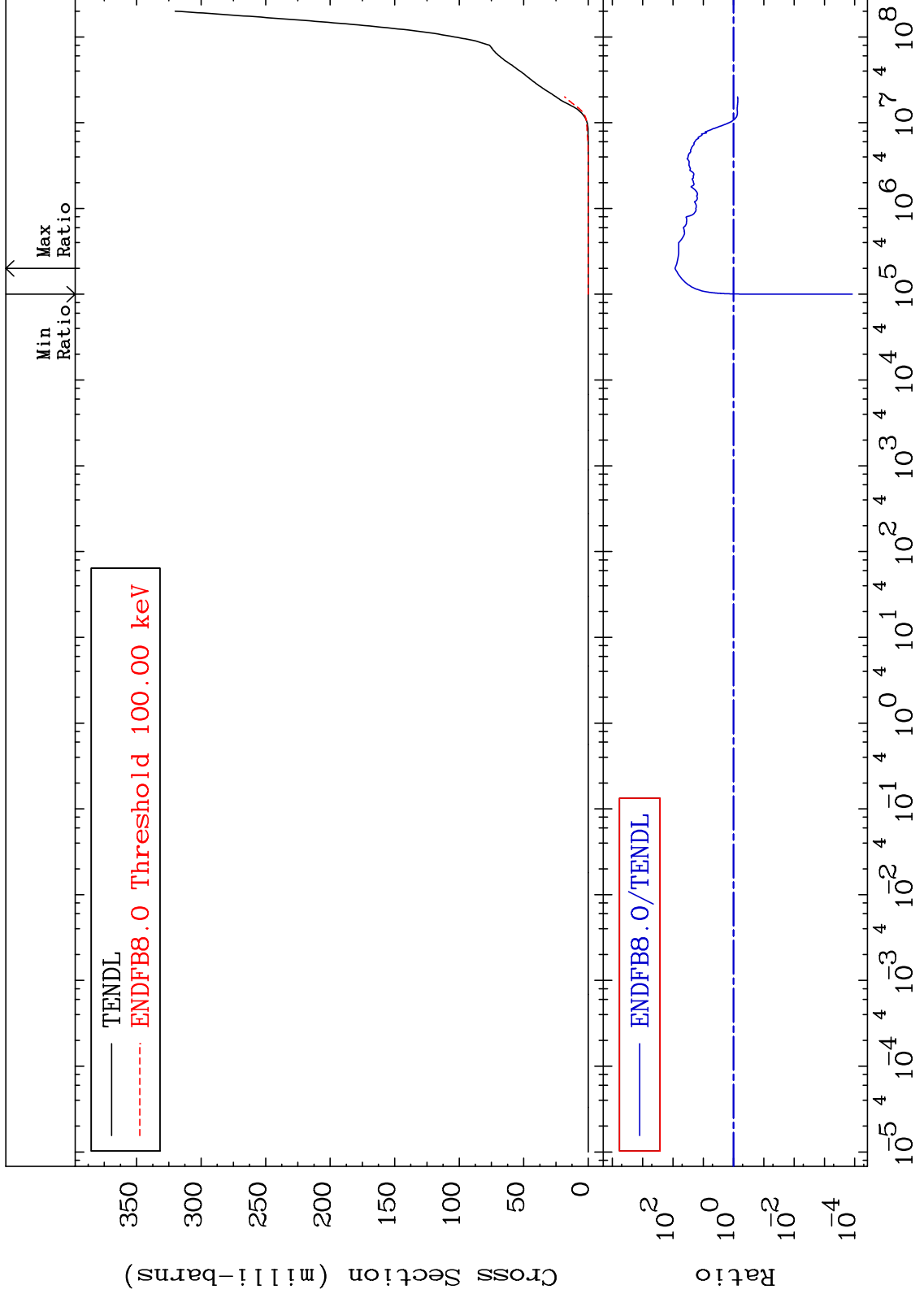
38-Sr-87  
-99.55 To 4491. %



MAT 3834

He-4 Production  
Cross Section

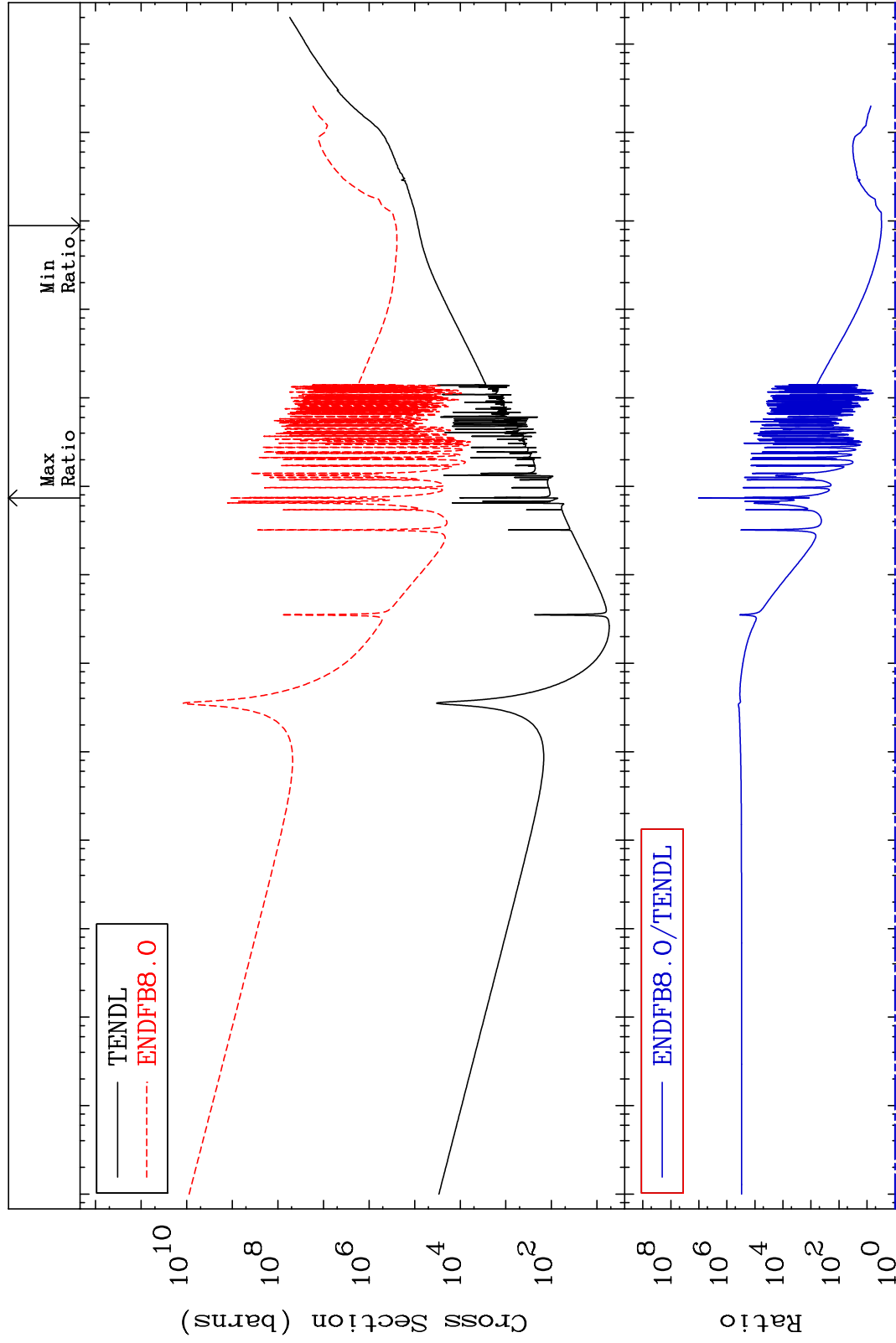
38-Sr-87  
-99.99 To 8468. %



MAT 3834

Kerma total (eV-barns)  
Cross Section

38-Sr-87  
202.1 To 9999. %



27

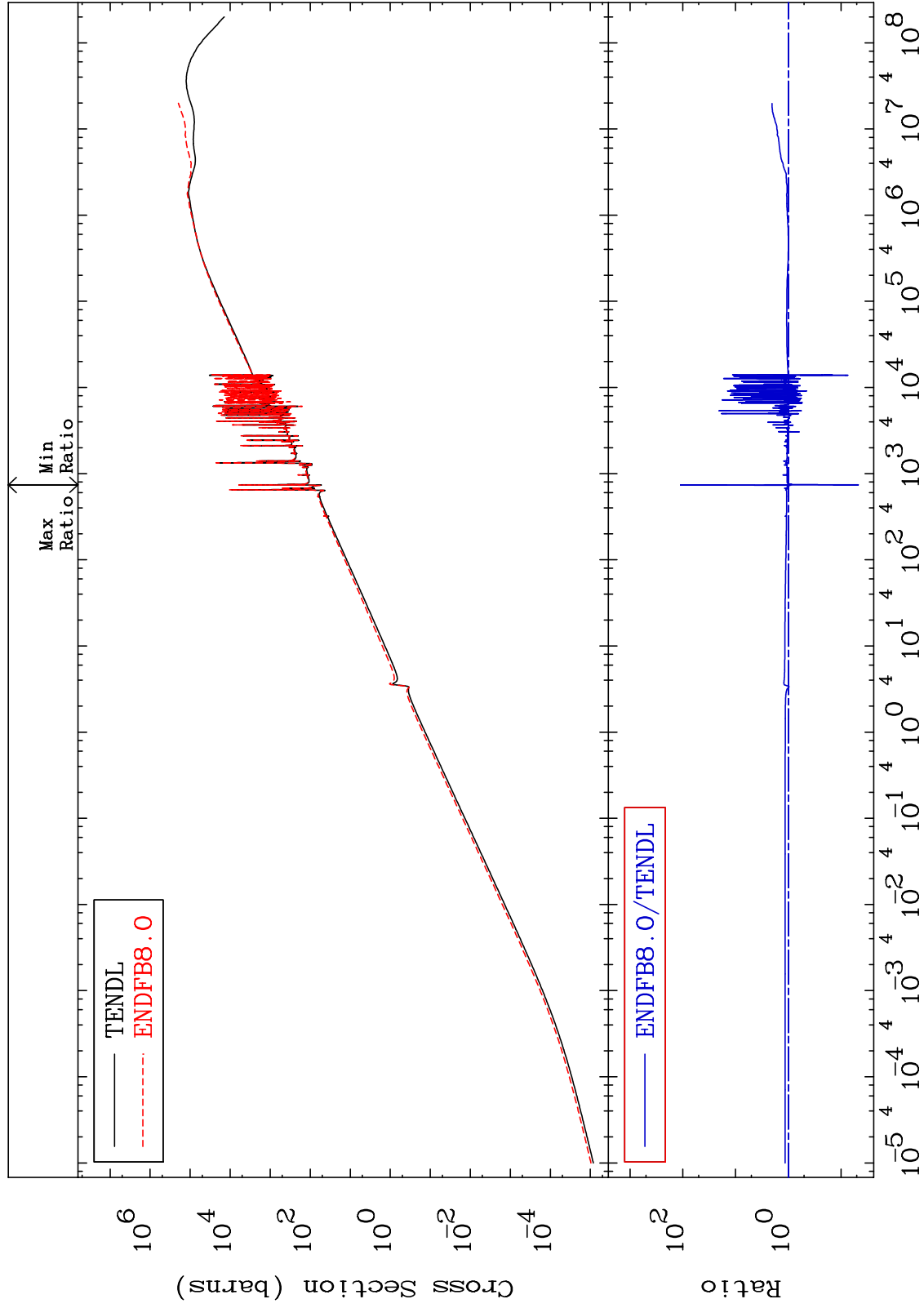
Incident Energy (eV)

38-Sr-87

MAT 3834

Kerma elastic  
Cross Section

38-Sr-87  
-95.36 To 9999. %



28

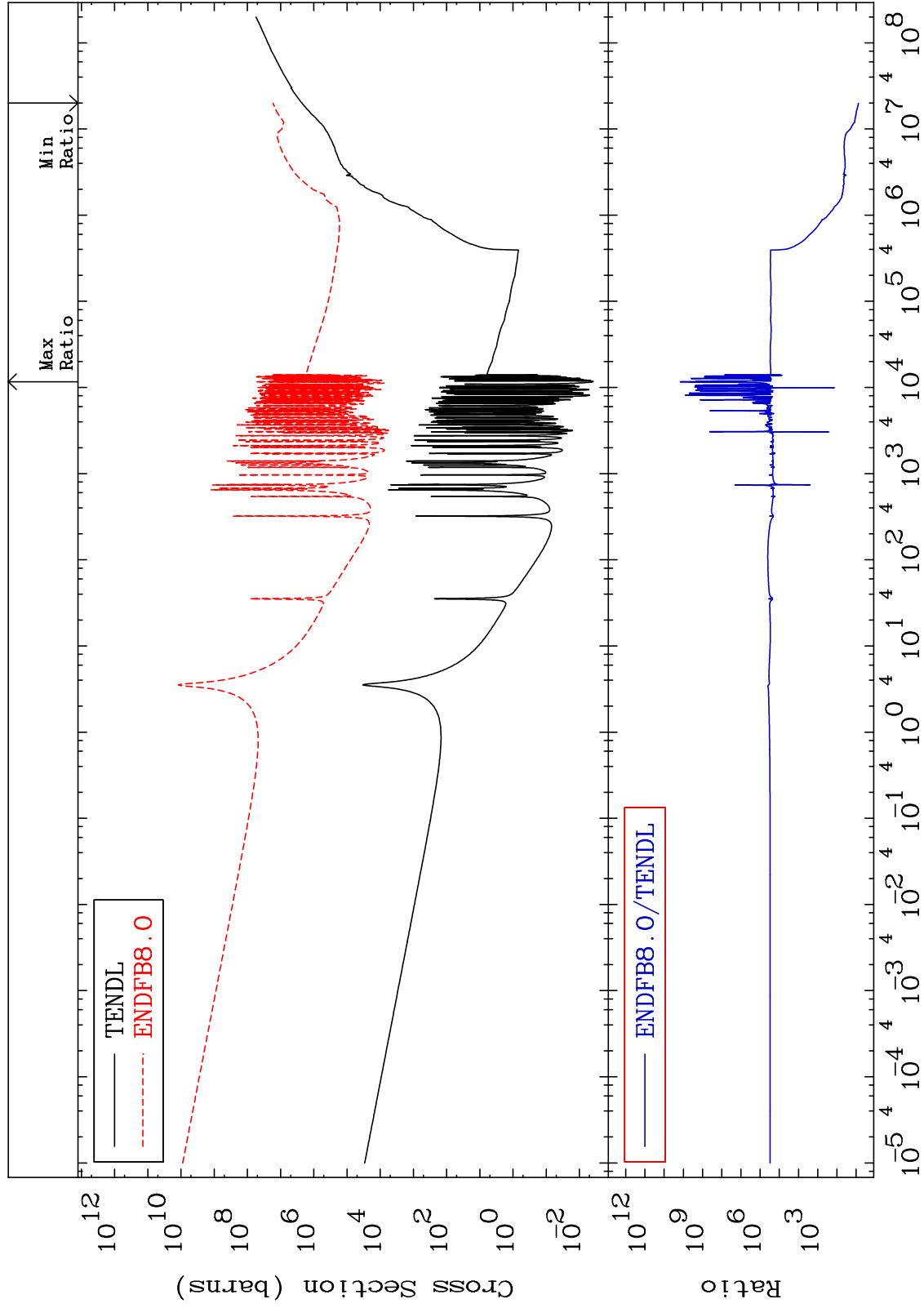
Incident Energy (eV)

38-Sr-87

MAT 3834

Kerma non-elastic (all but mt2)  
Cross Section

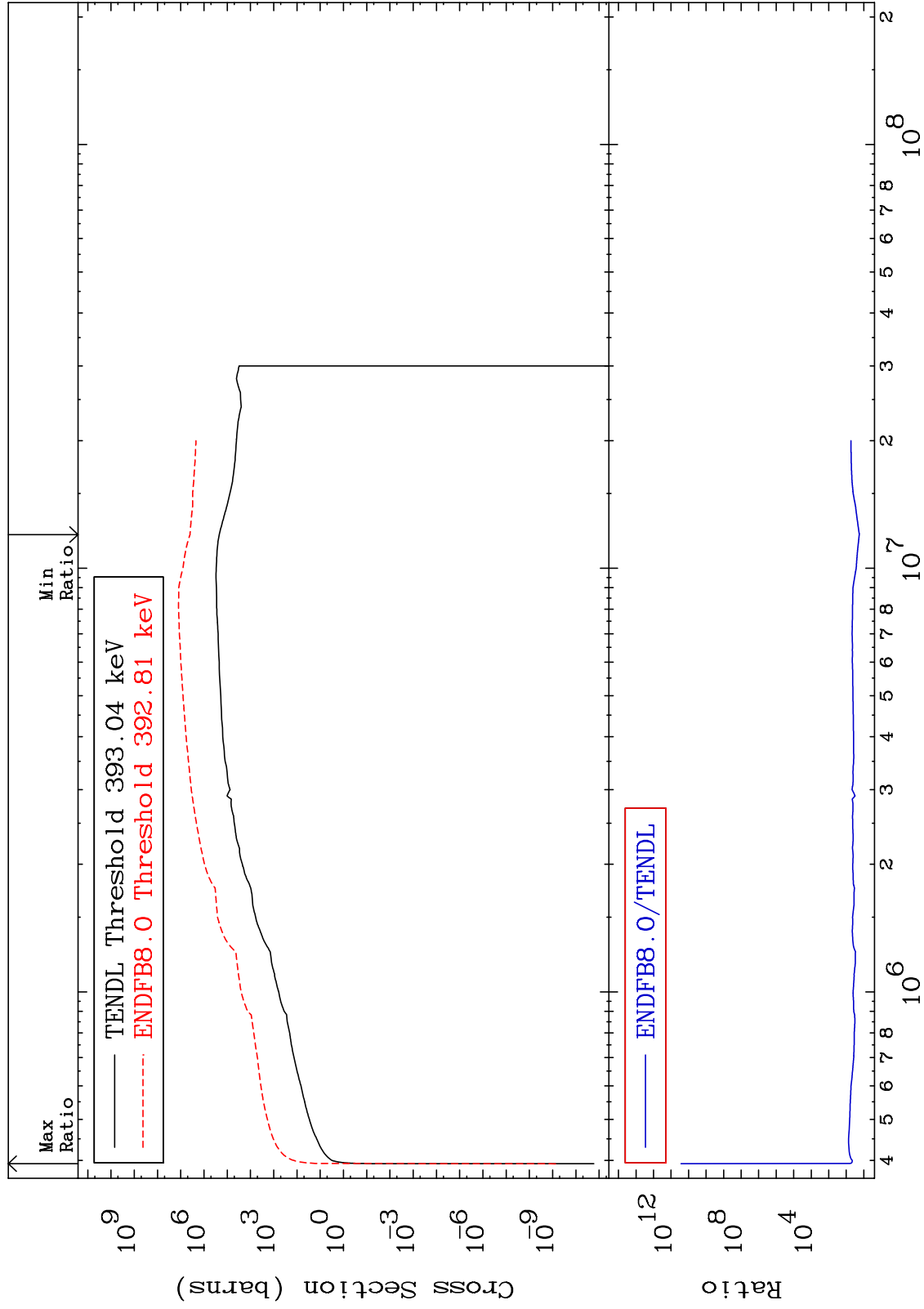
38-Sr-87  
647.3 To 9999. %



MAT 3834

Kerma inelastic (mt51-91)  
Cross Section

38-Sr-87  
1702. To 9999. %



30

38-Sr-87

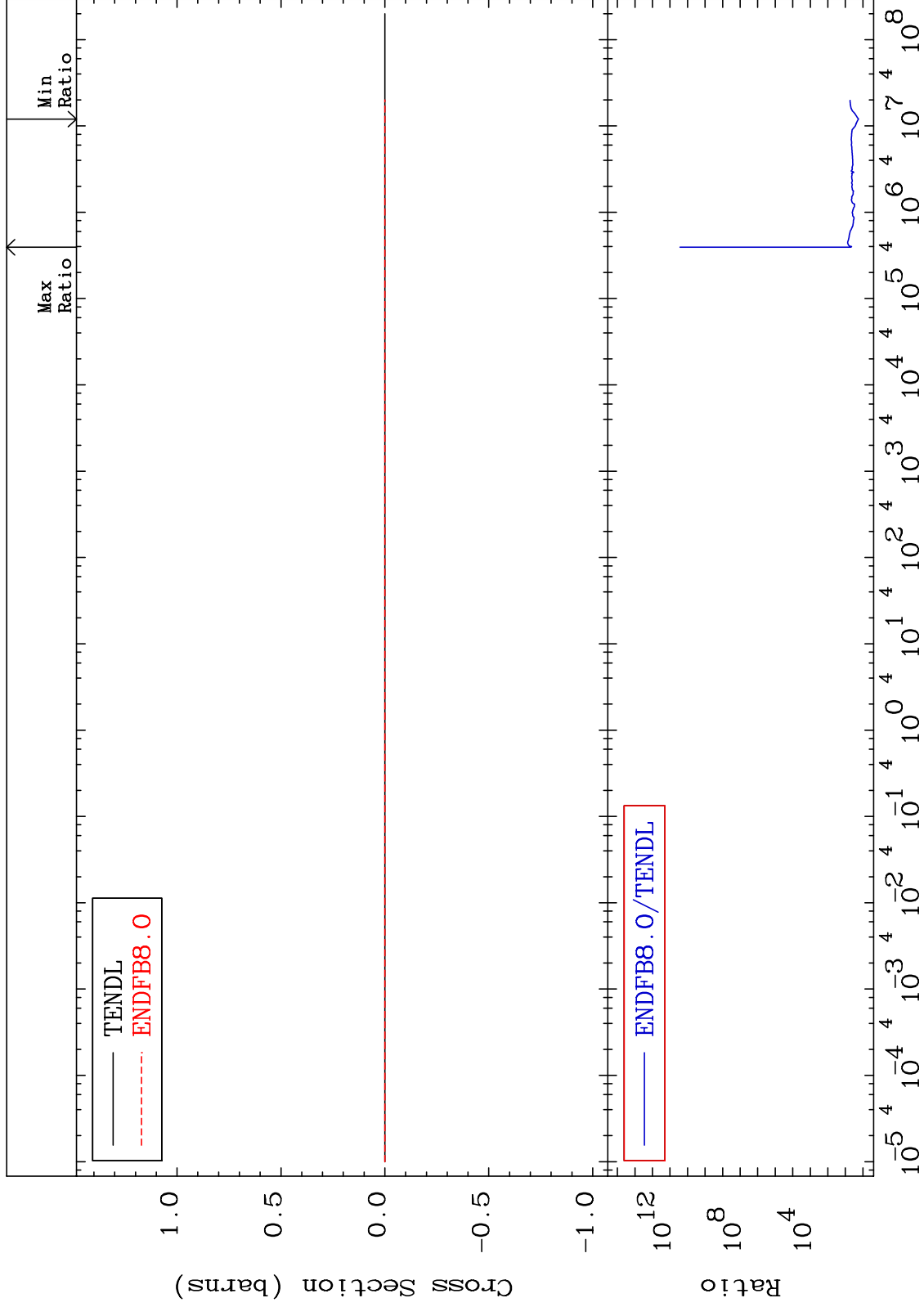
38-Sr-87

MAT 3834

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

1702. To 9999. %

38-Sr-87



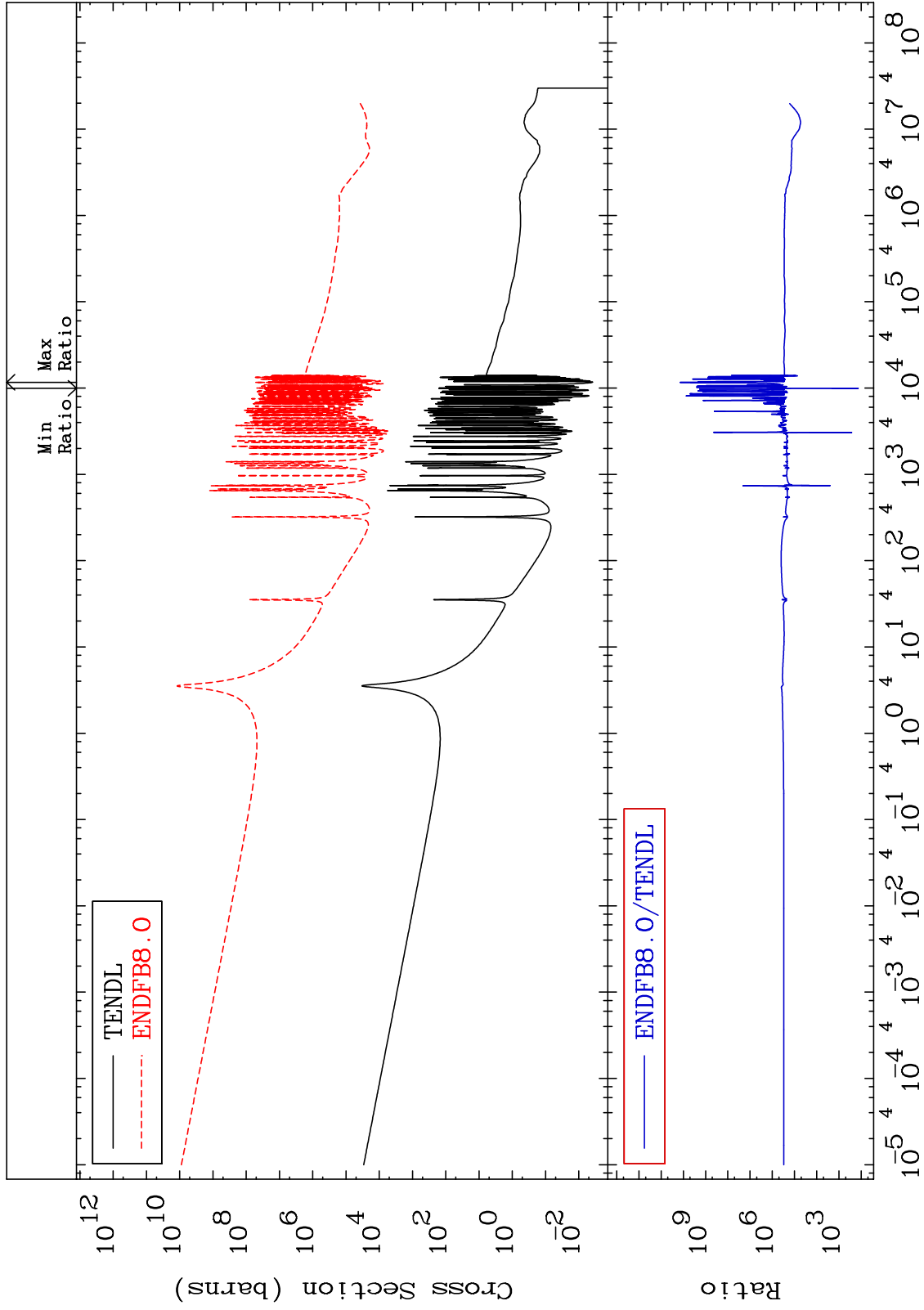
31

38-Sr-87

MAT 3834

Kerma capture (mt102)  
Cross Section

38-Sr-87  
9999. To 9999. %



32

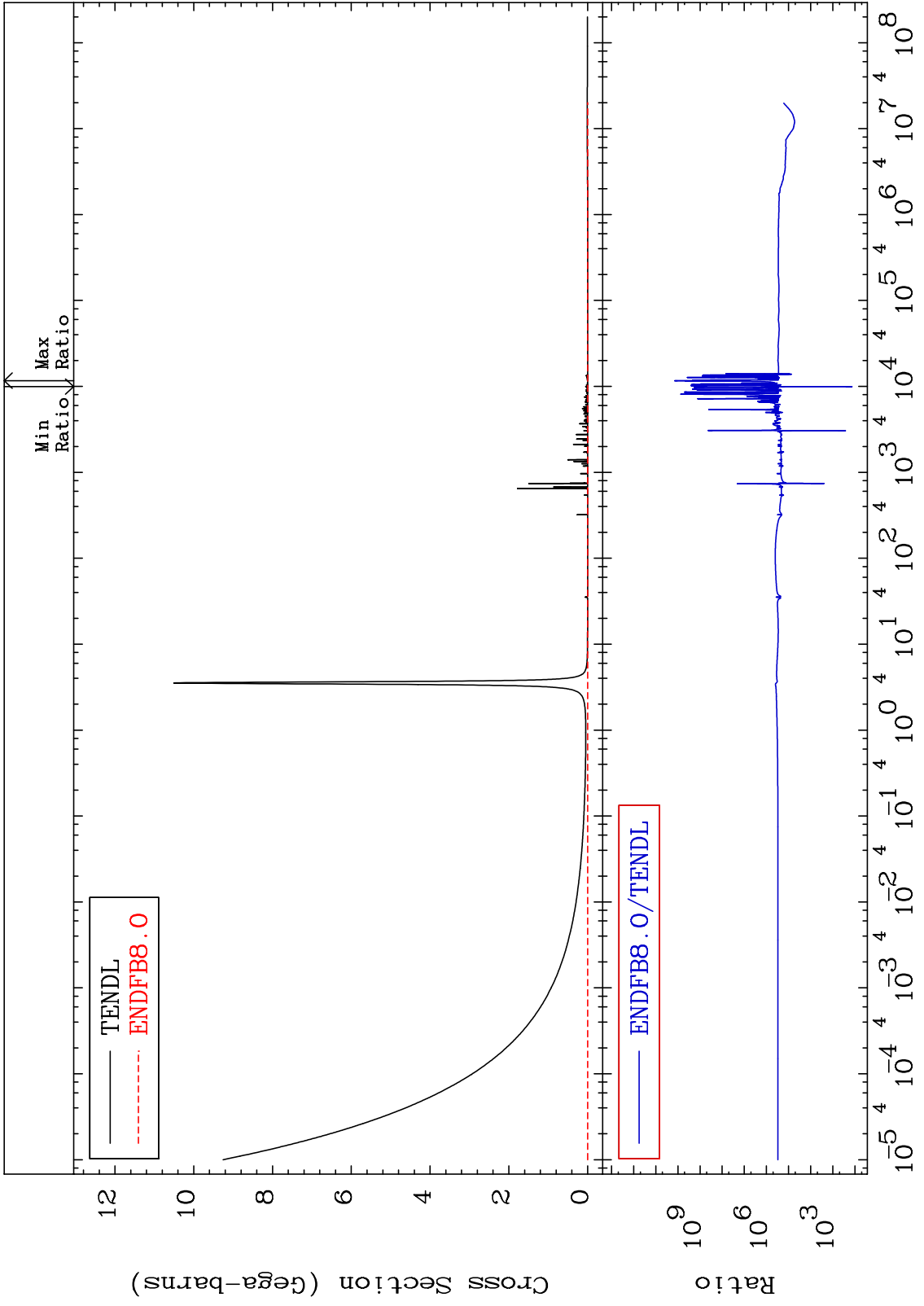
Incident Energy (eV)

38-Sr-87

MAT 3834

Total photon (eV-barns)  
Cross Section

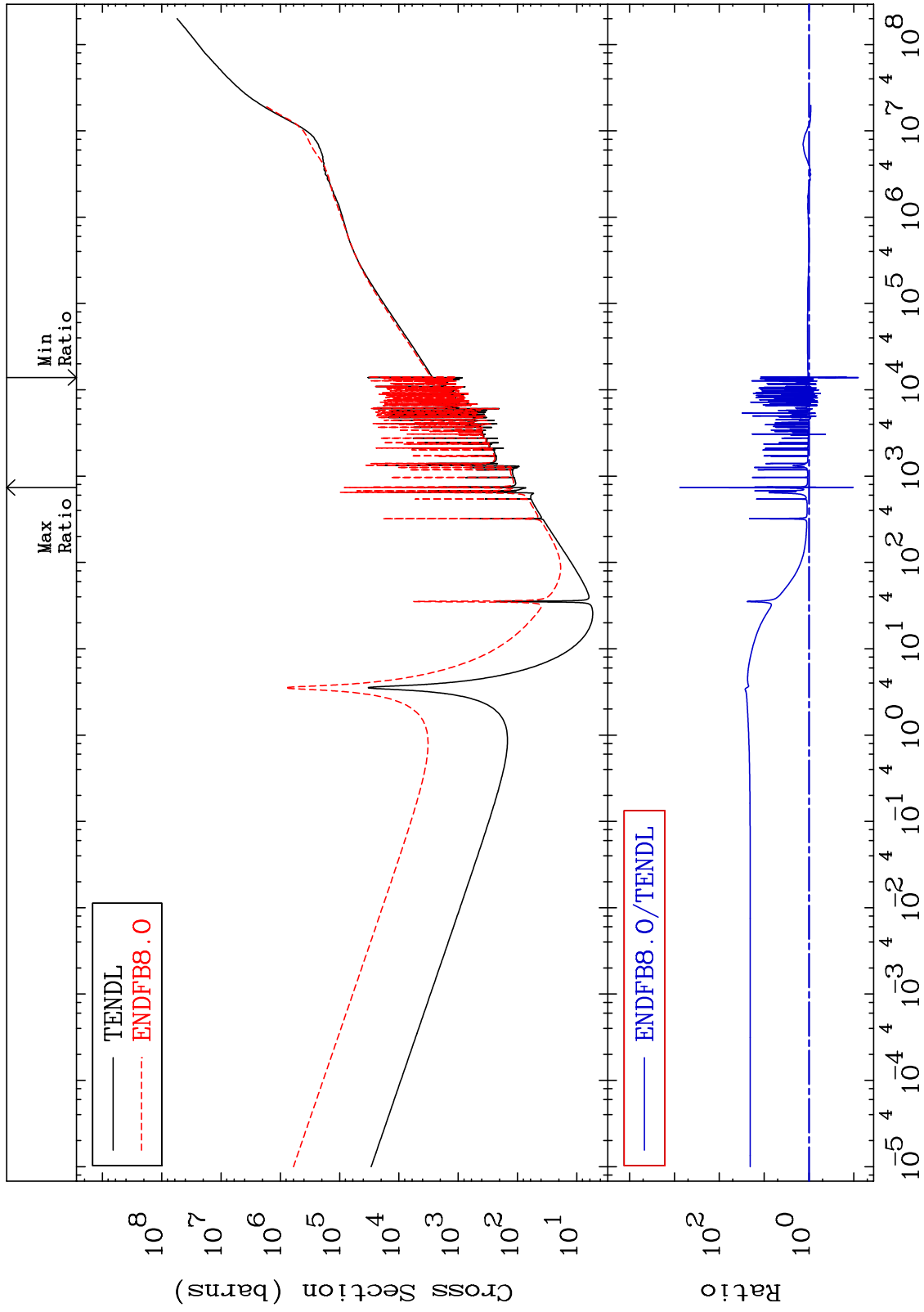
38-Sr-87  
9999. To 9999. %



MAT 3834

Total kinematic kerma (high limit)  
Cross Section

38-Sr-87  
-92.08 To 9999. %



34

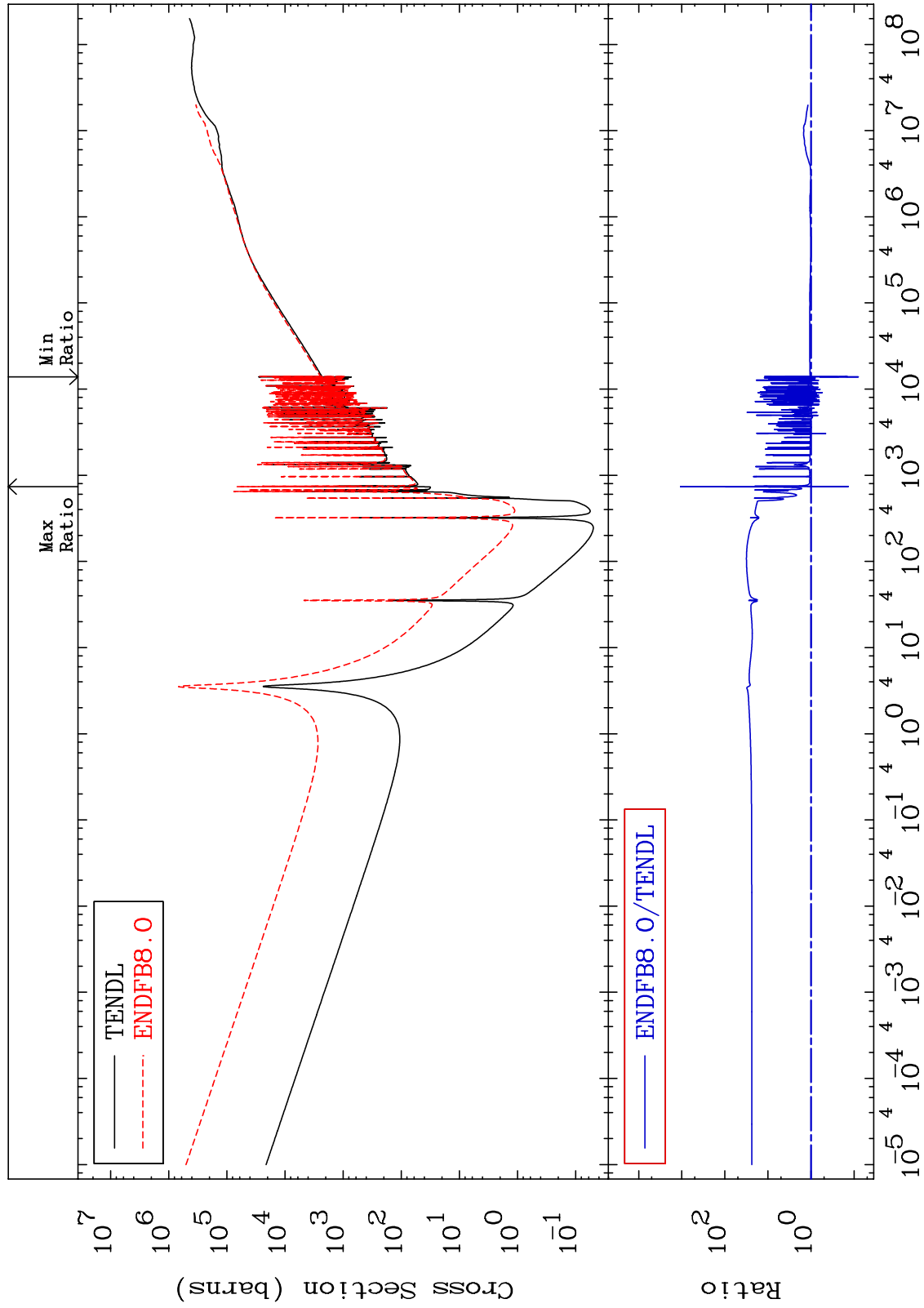
Incident Energy (eV)

38-Sr-87

MAT 3834

Dpa total (eV-barns)  
Cross Section

38-Sr-87  
-92.09 To 9999. %



35

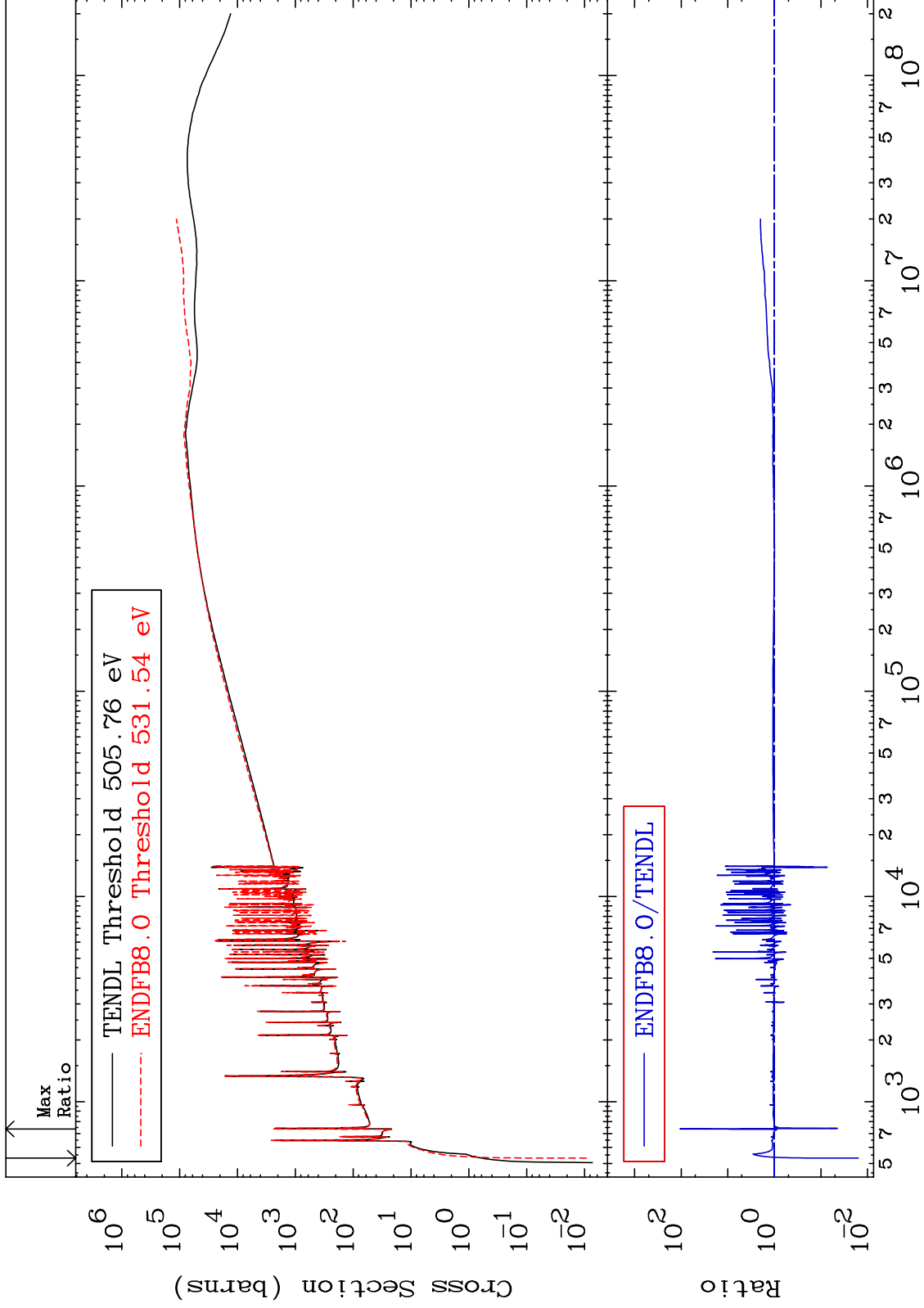
Incident Energy (eV)

38-Sr-87

MAT 3834

Dpa elastic (mt2)  
Cross Section

38-Sr-87  
-98.43 To 9999. %



36

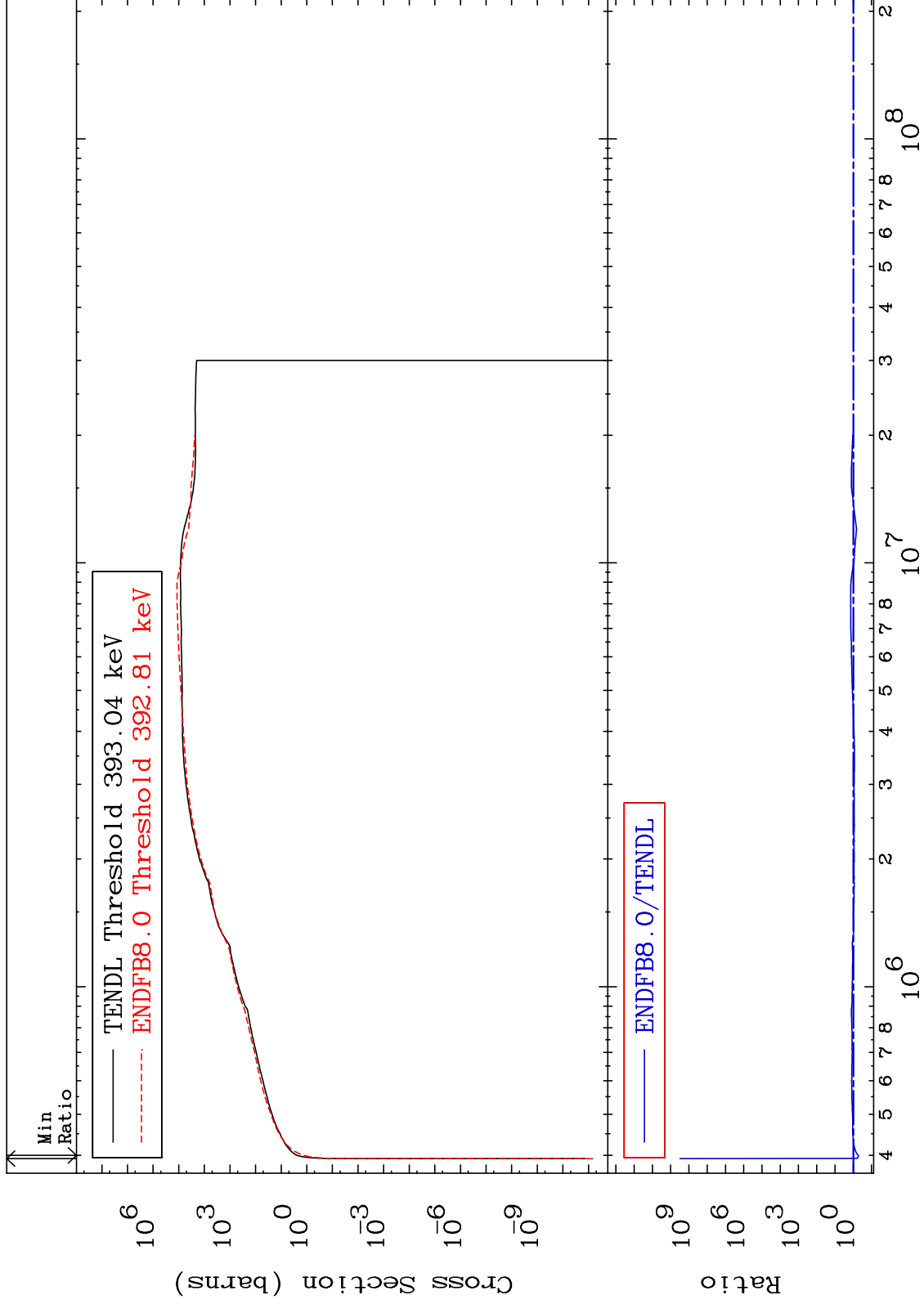
38-Sr-87

38-Sr-87

MAT 3834

Dpa inelastic (mt51-91)  
Cross Section

38-Sr-87  
-47.65 To 9999. %



37

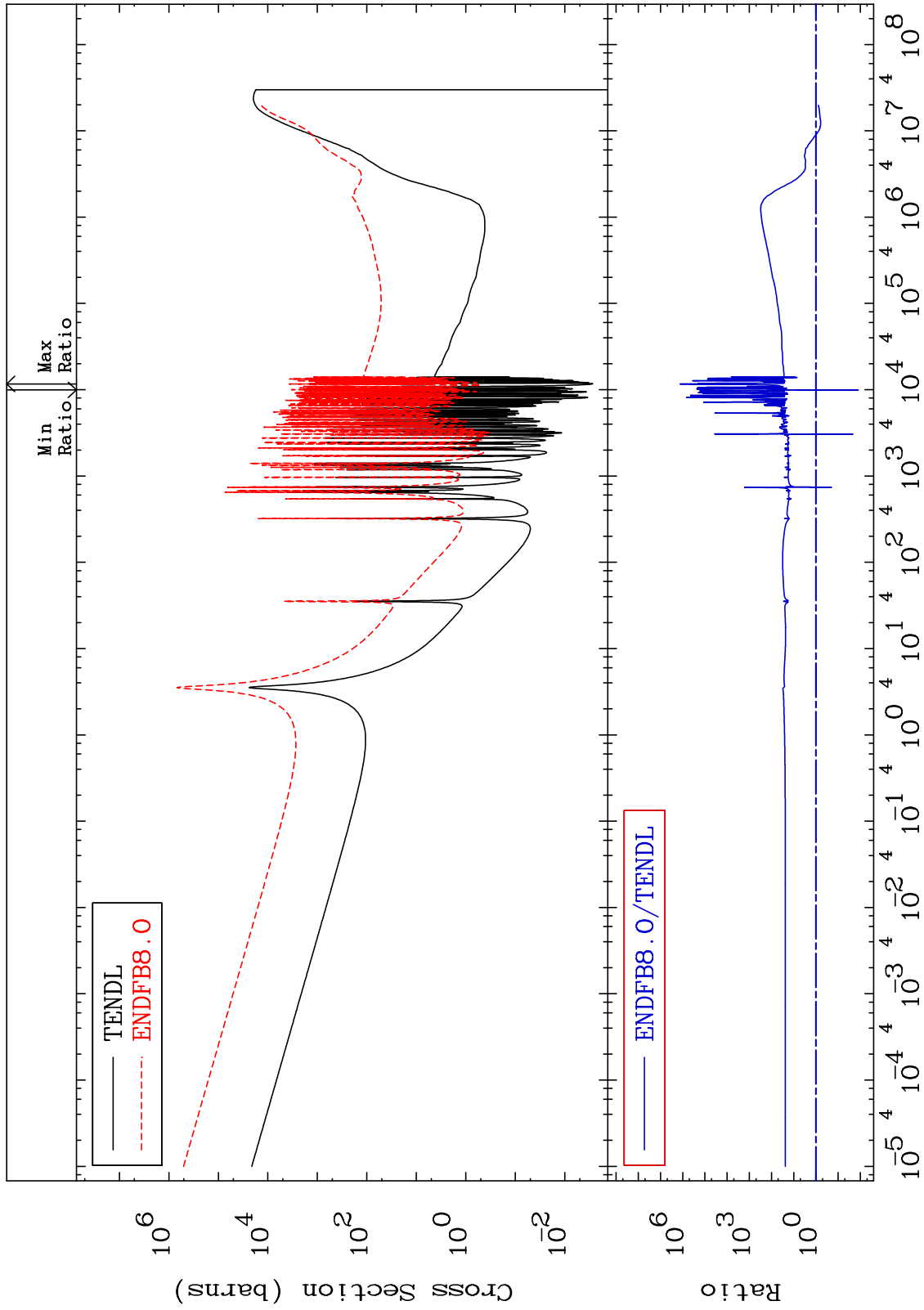
Incident Energy (eV)

38-Sr-87

MAT 3834

Dpa disappearance (mt102 -120)  
Cross Section

38-Sr-87  
-98.78 To 9999. %



38

Incident Energy (eV)

38-Sr-87