

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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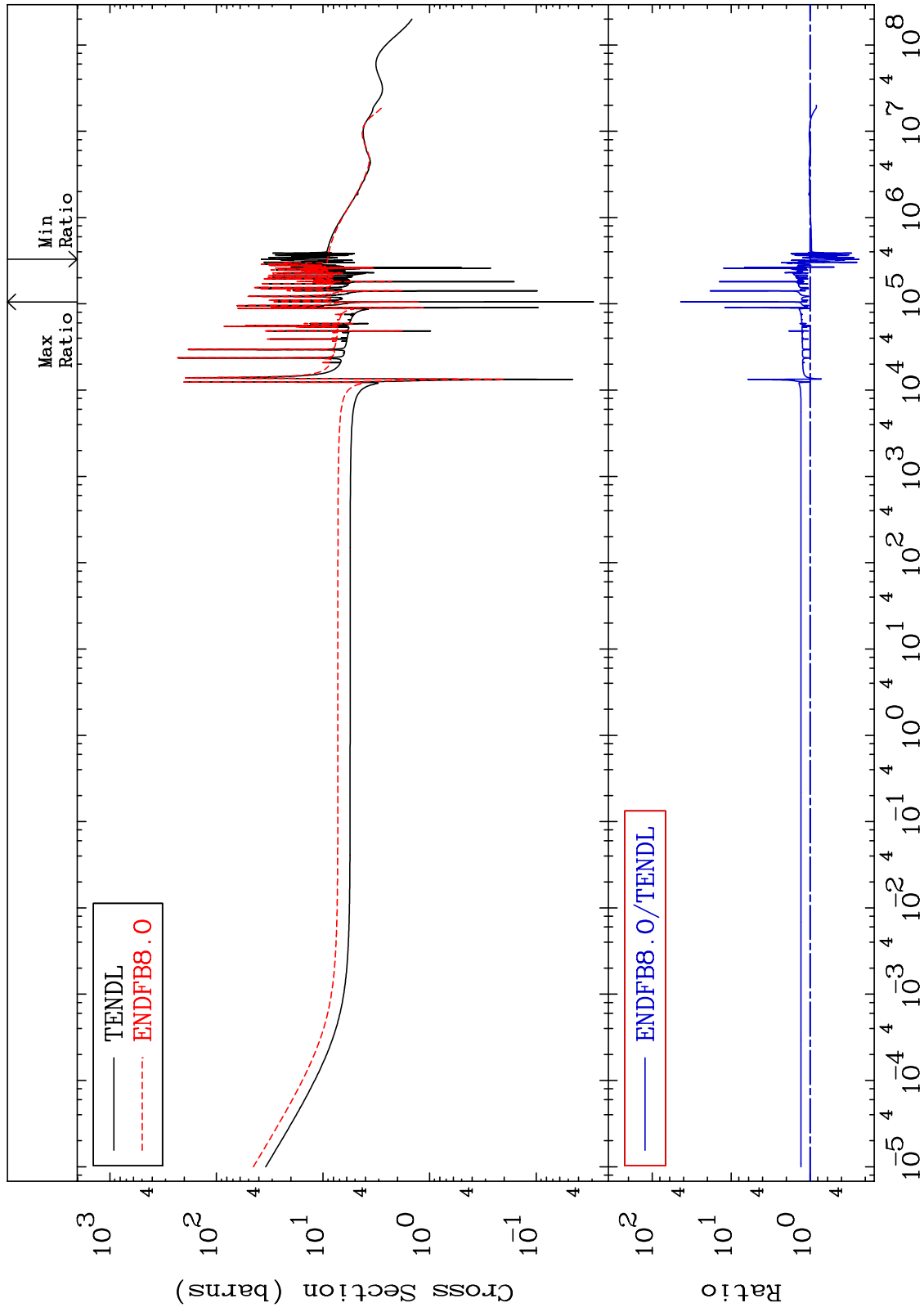
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3837

Total
Cross Section

38-Sr-88
-76.02 To 4255. %



1

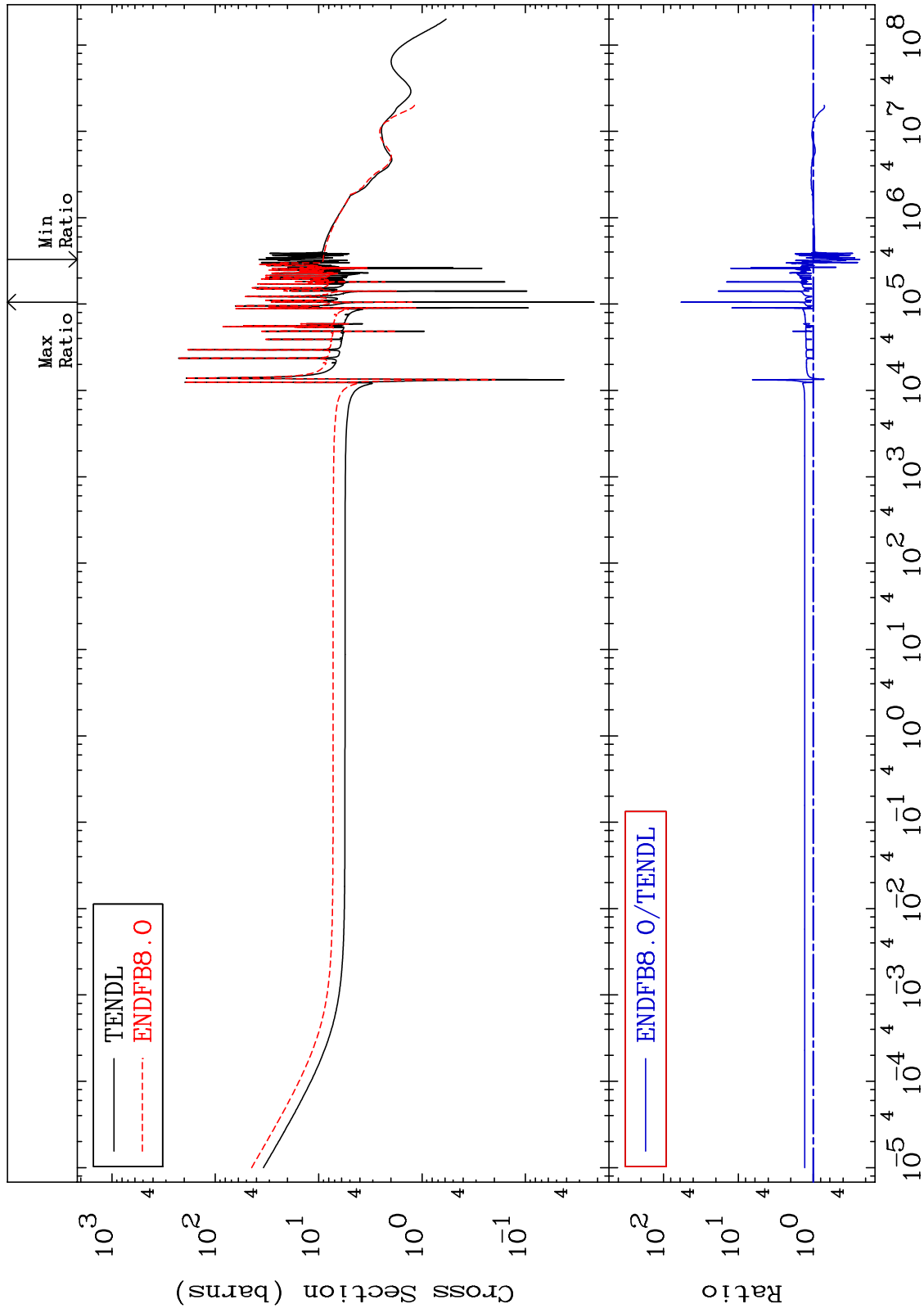
Incident Energy (eV)

38-Sr-88

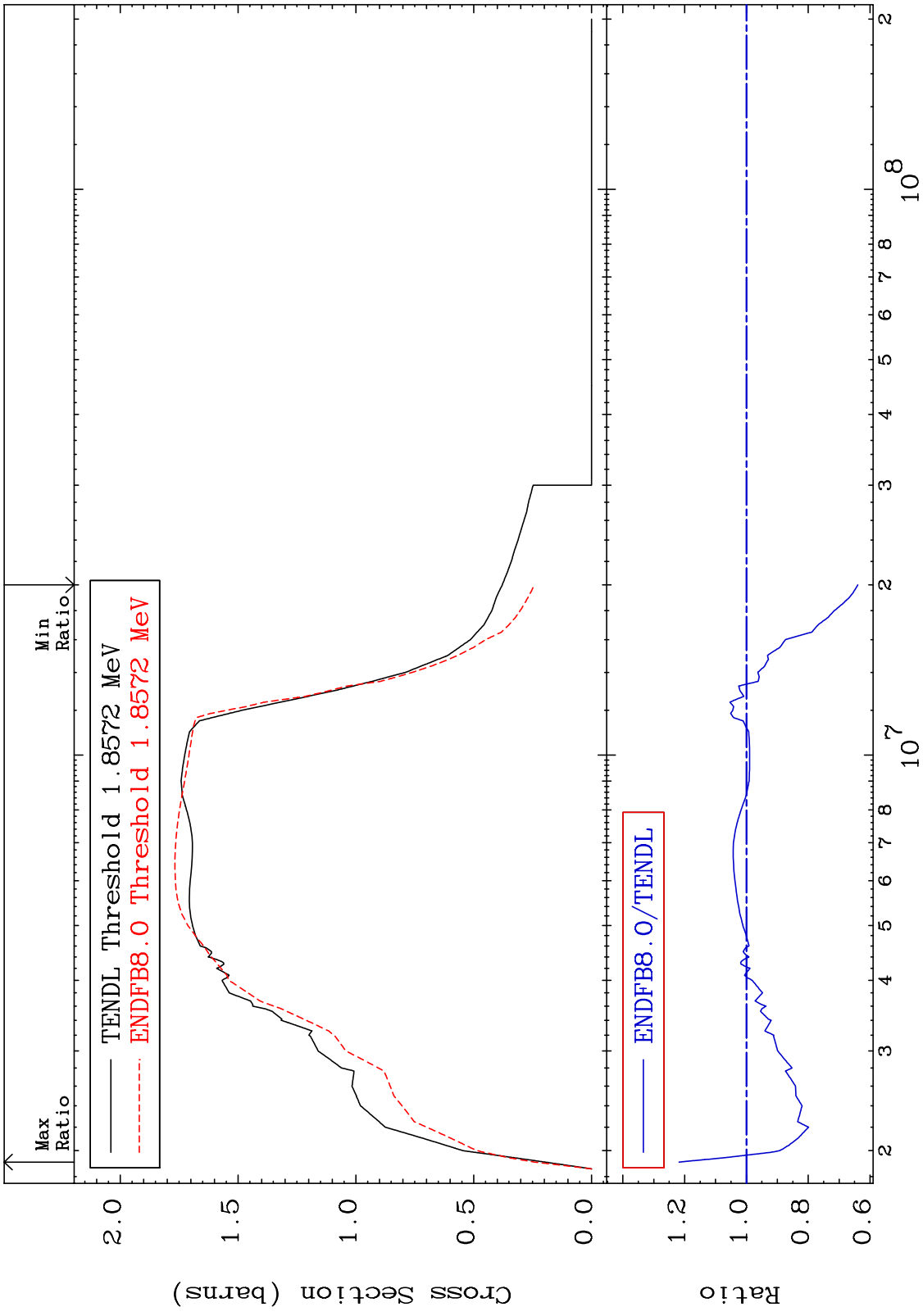
MAT 3837

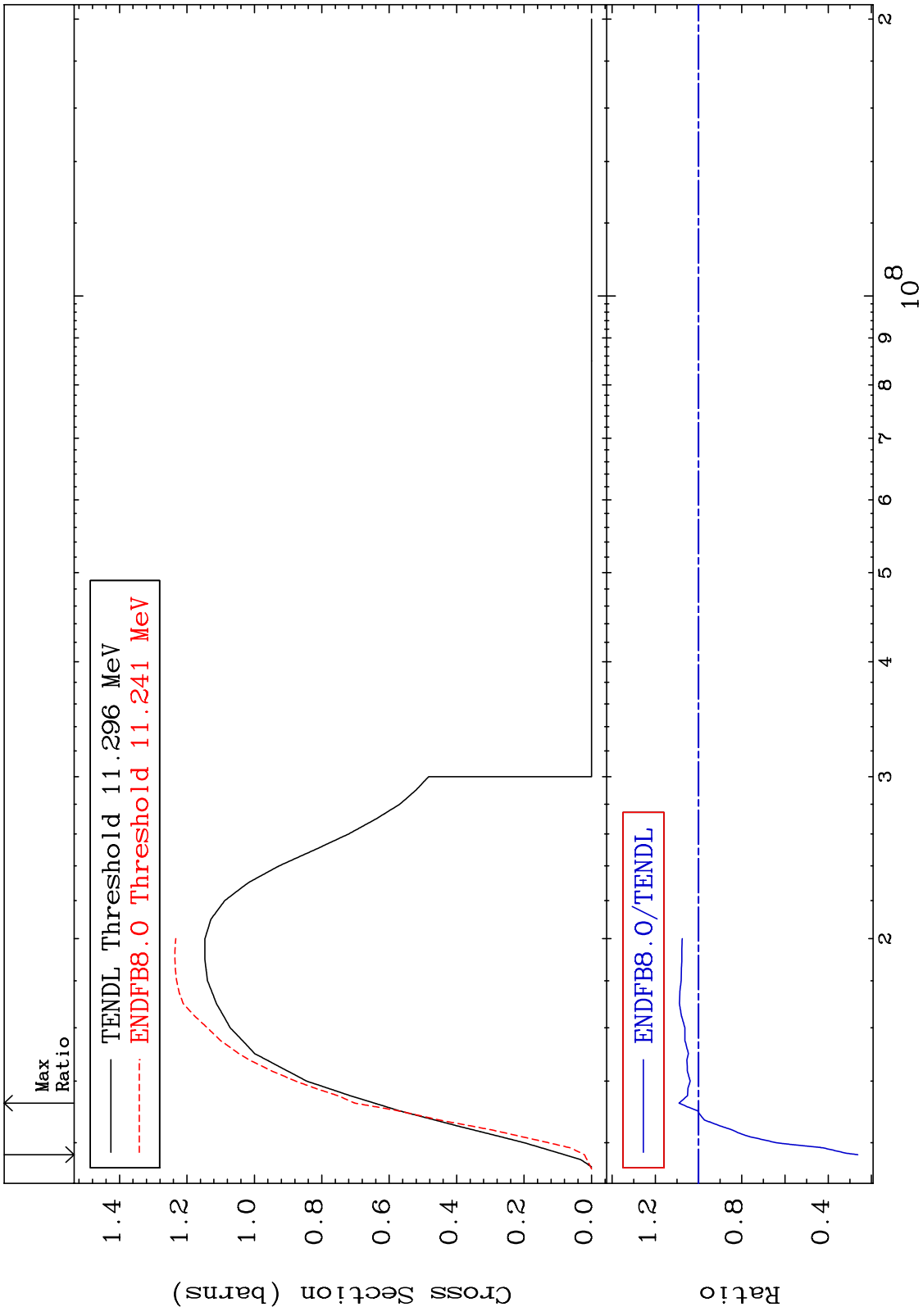
Elastic
Cross Section

38-Sr-88
-76.02 To 5690. %

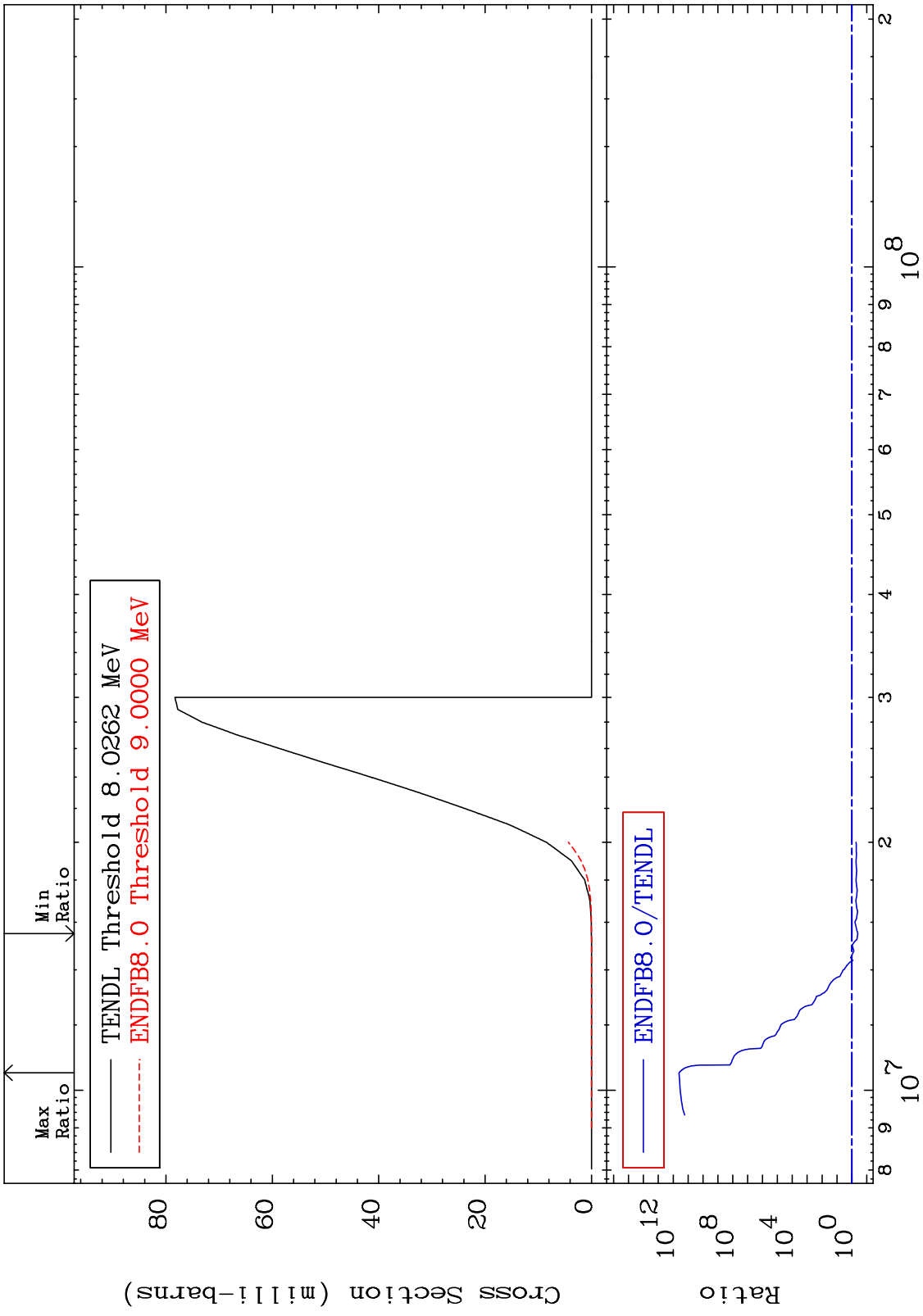


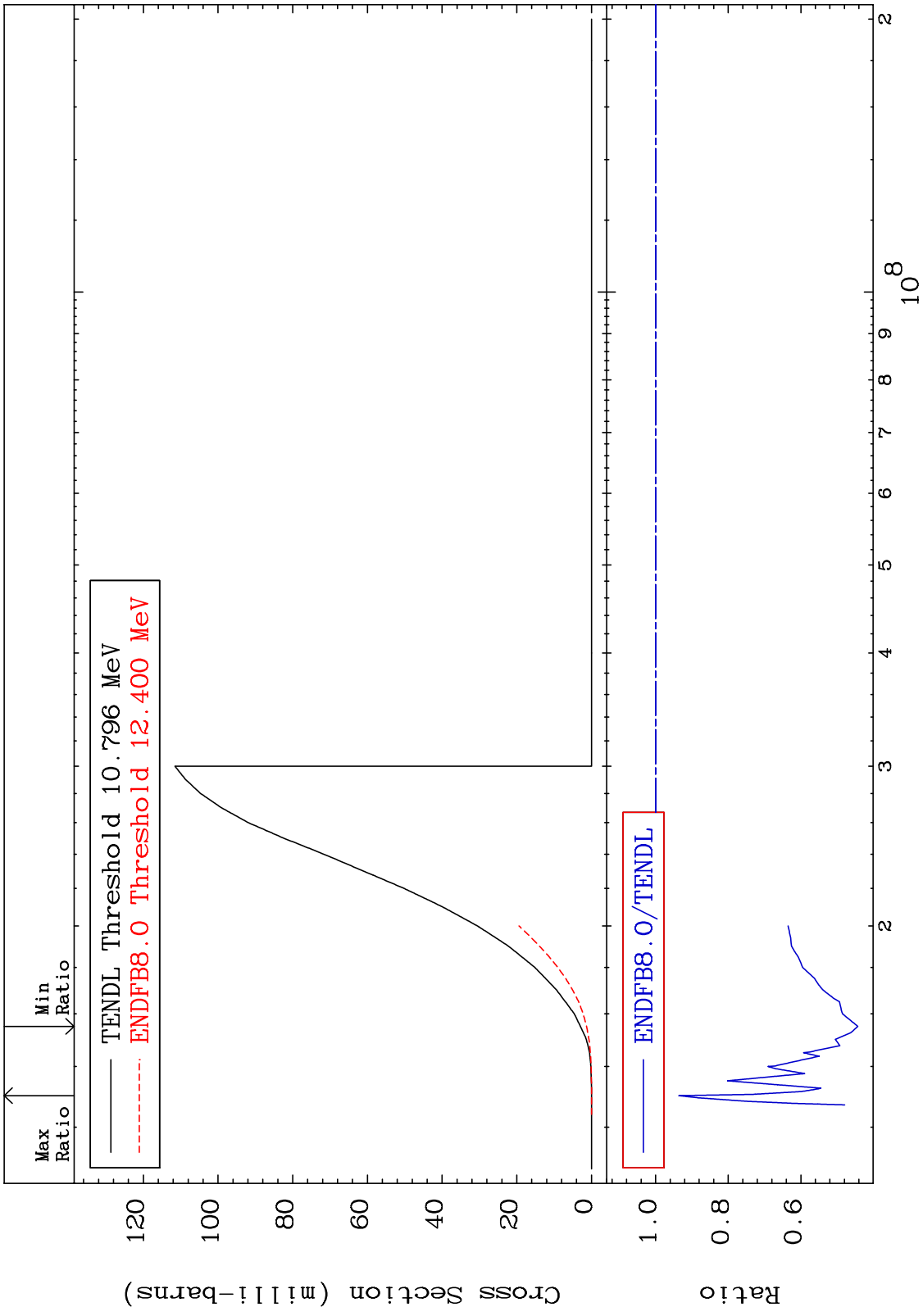
MAT 3837 Inelastic Cross Section 38-Sr-88
-36.06 To 21.82 %





MAT 3837 $(n, n') \alpha$ 38-Sr-88
 Cross Section -60.47 To 9999. %

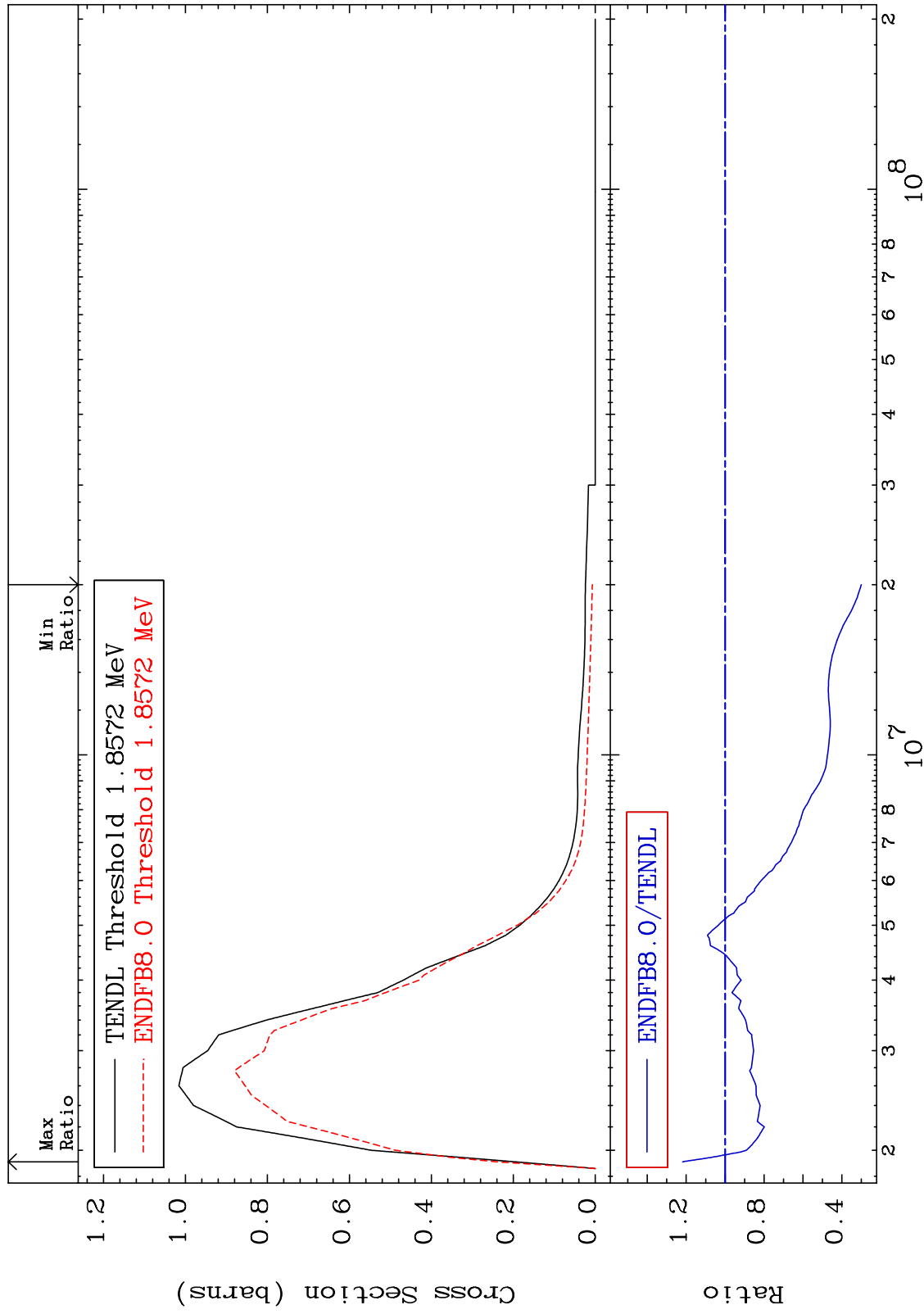




MAT 3837

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

38-Sr-88
-70.00 To 21.82 %

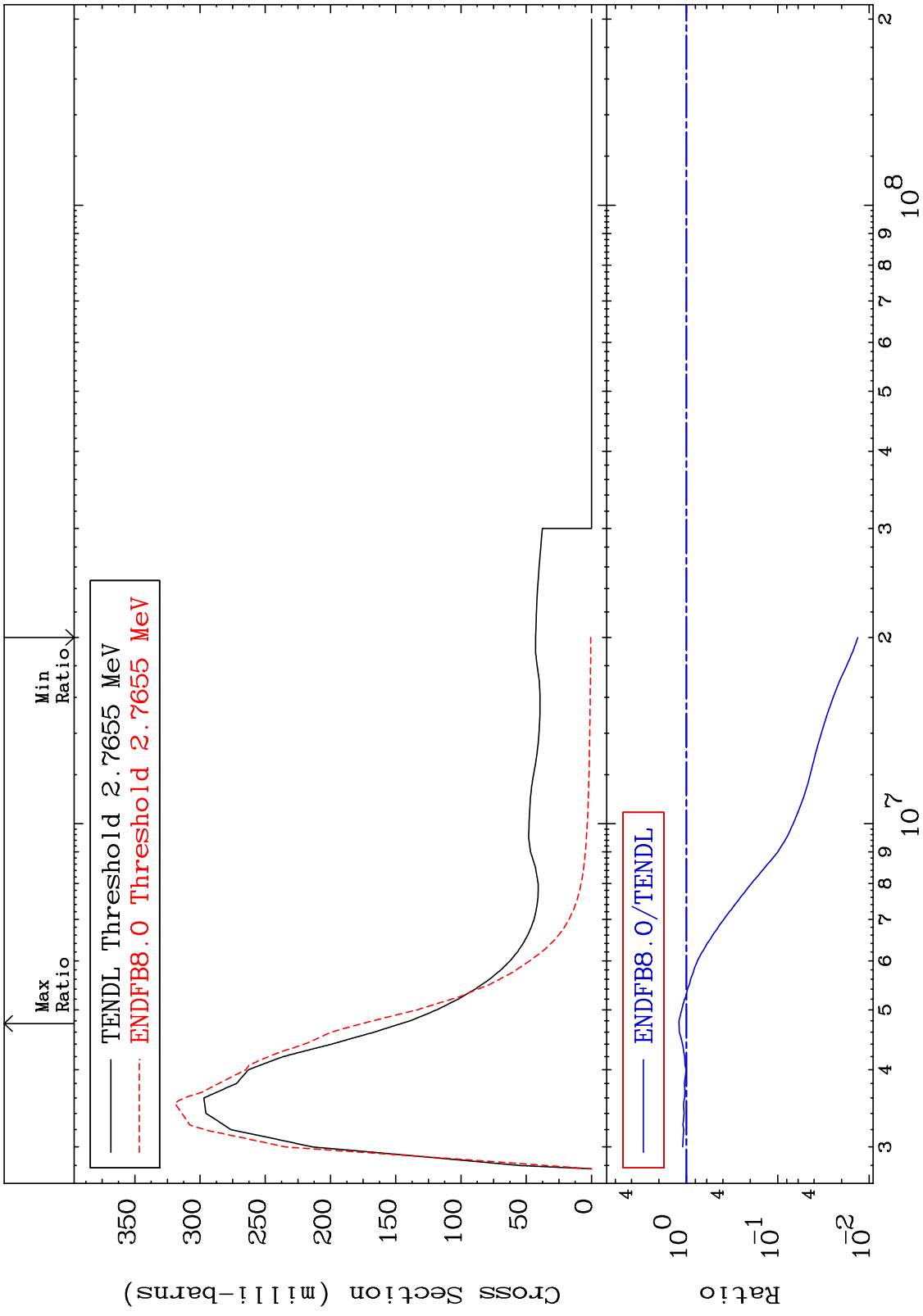


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Incident Energy (eV)

38-Sr-88

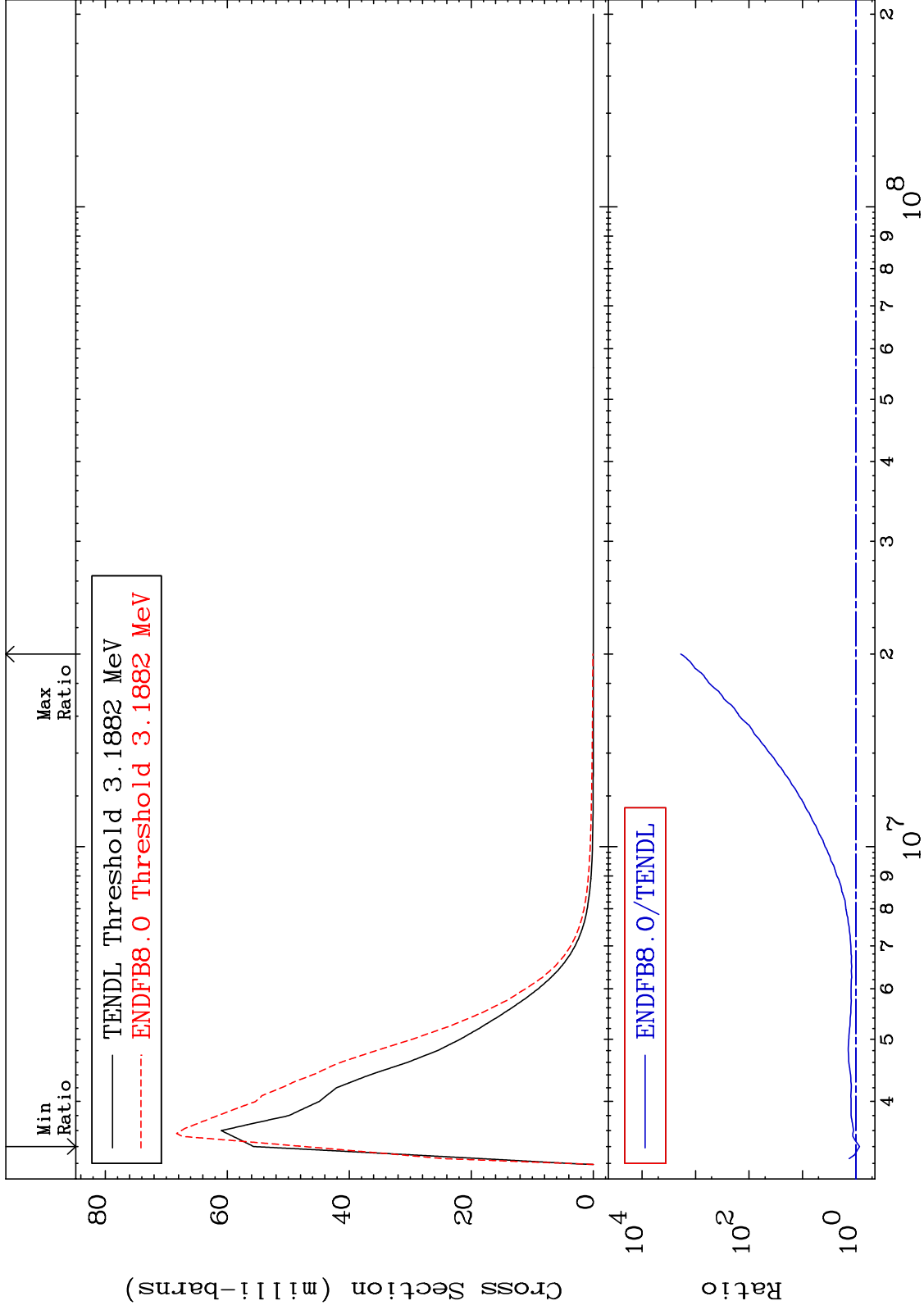
MAT 3837 MT= 52 (n,n') Level Cross Section 38-Sr-88
 -98.67 To 20.57 %



MAT 3837

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

38-Sr-88
-14.86 To 9999. %



9

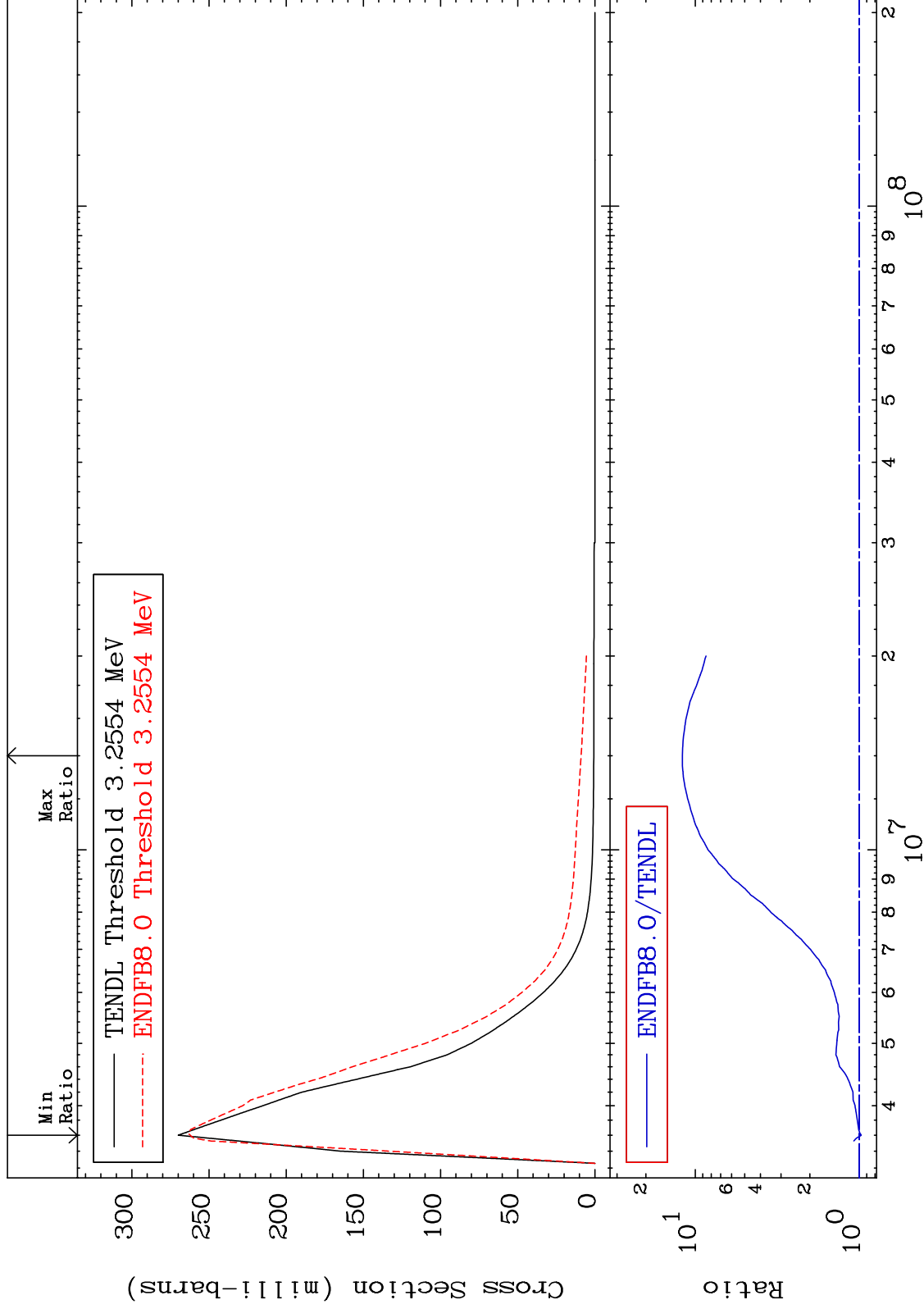
Incident Energy (eV)

38-Sr-88

MAT 3837

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

38-Sr-88
-2.887 To 1097. %



10

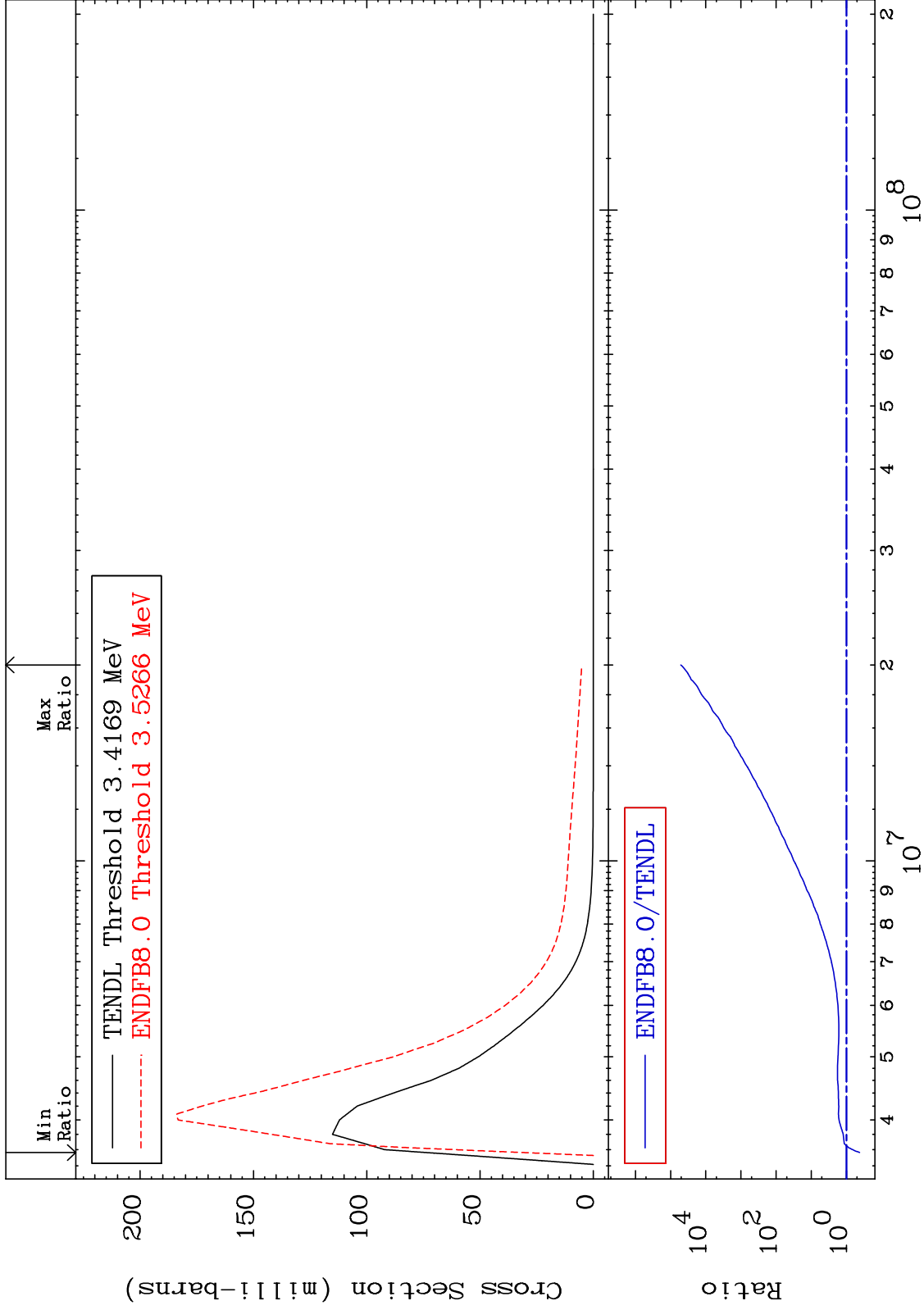
Incident Energy (eV)

38-Sr-88

MAT 3837

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

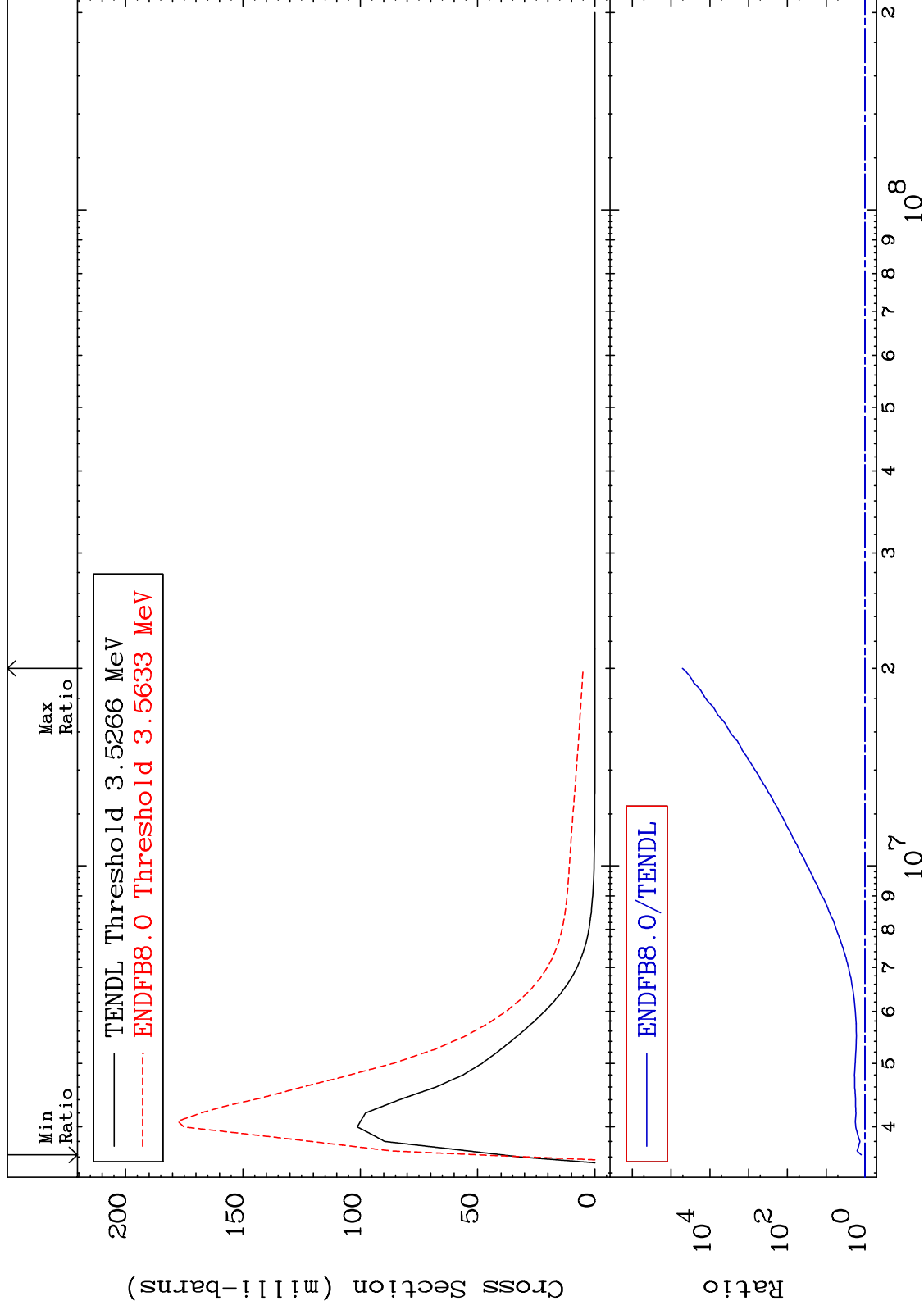
38-Sr-88
-57.82 To 9999. %



MAT 3837

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

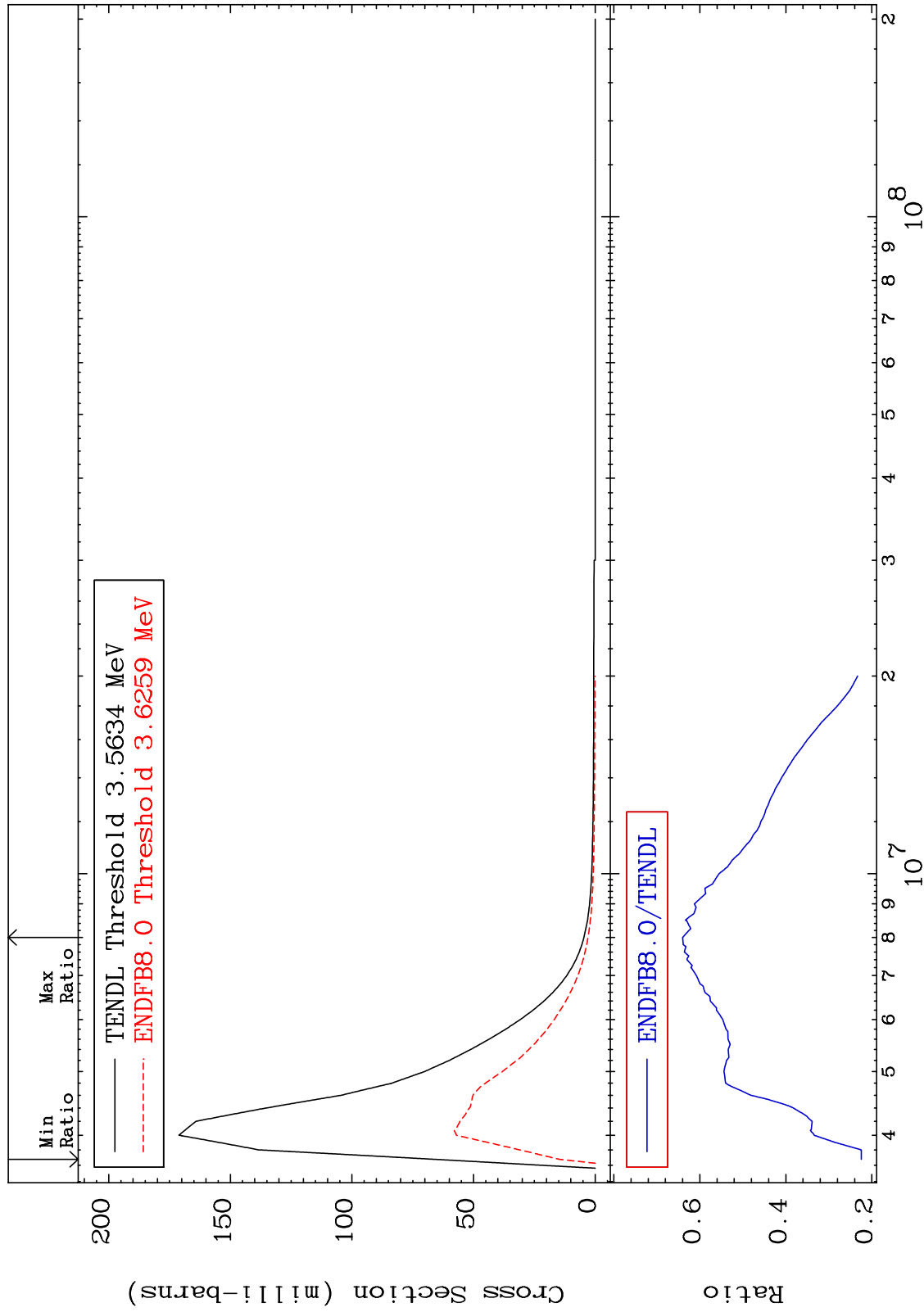
24.59 To 9999. %
38-Sr-88



MAT 3837

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

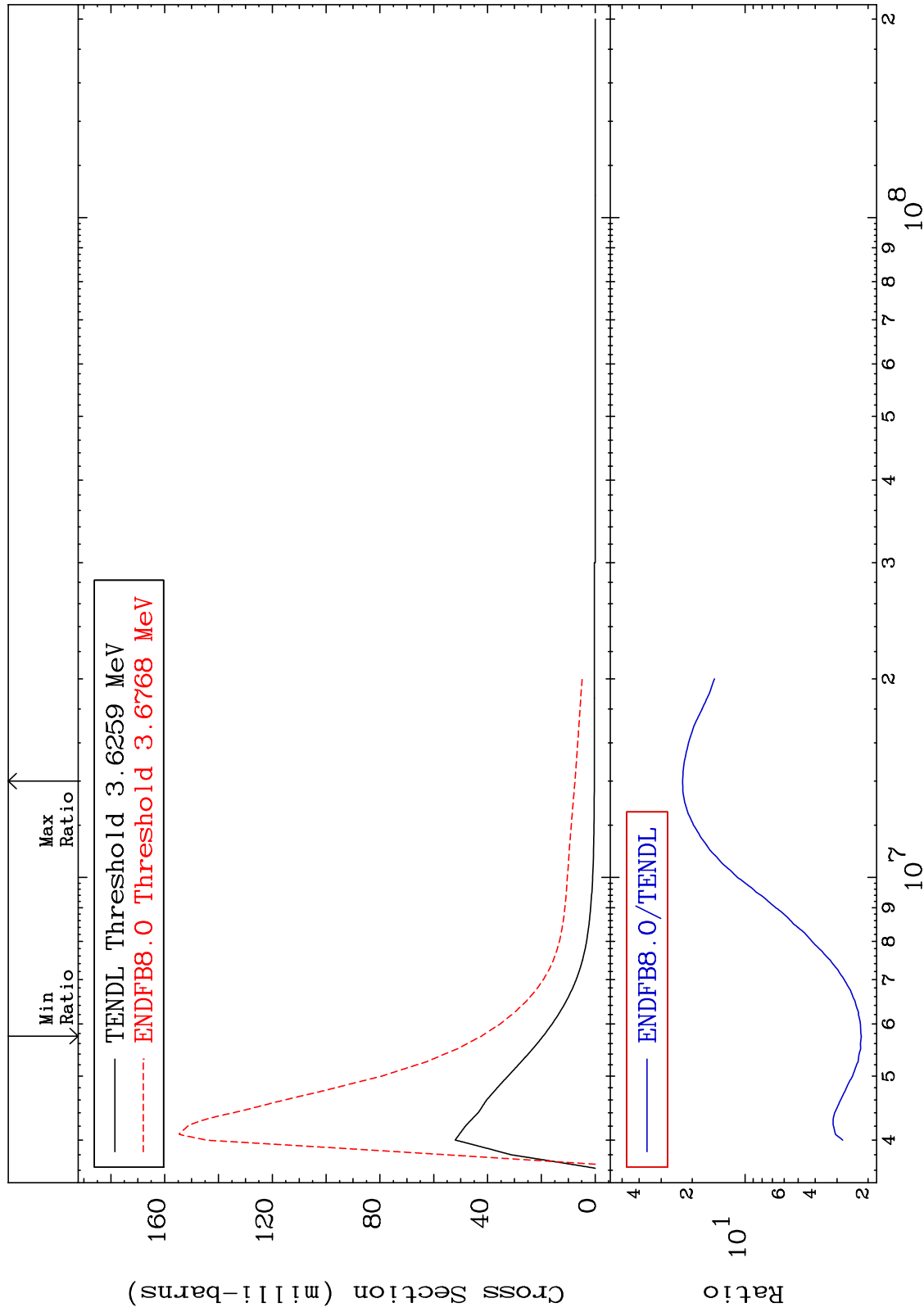
38-Sr-88
-77.56 To -36.01%



MAT 3837

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

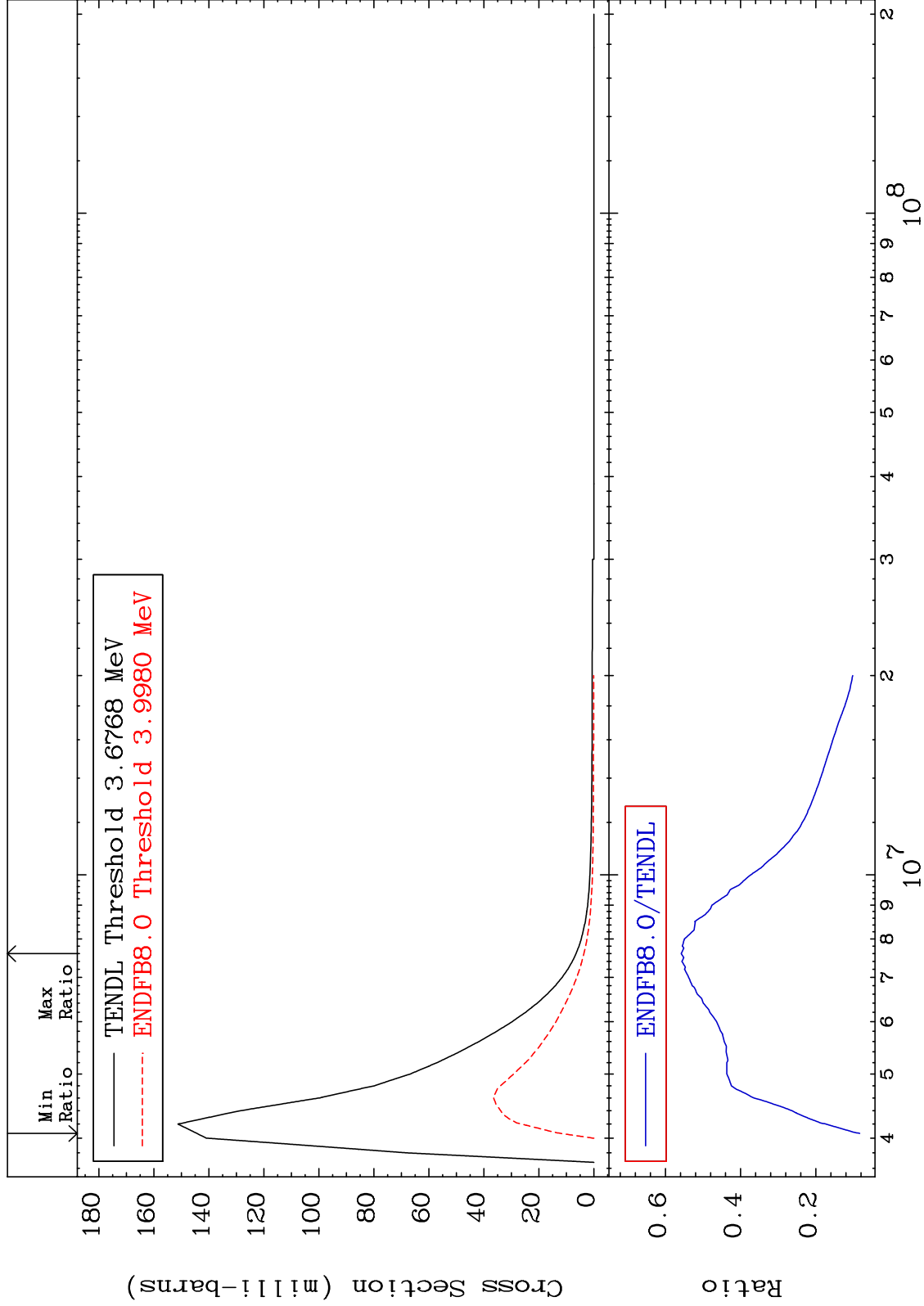
38-Sr-88
118.3 To 2165. %



MAT 3837

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

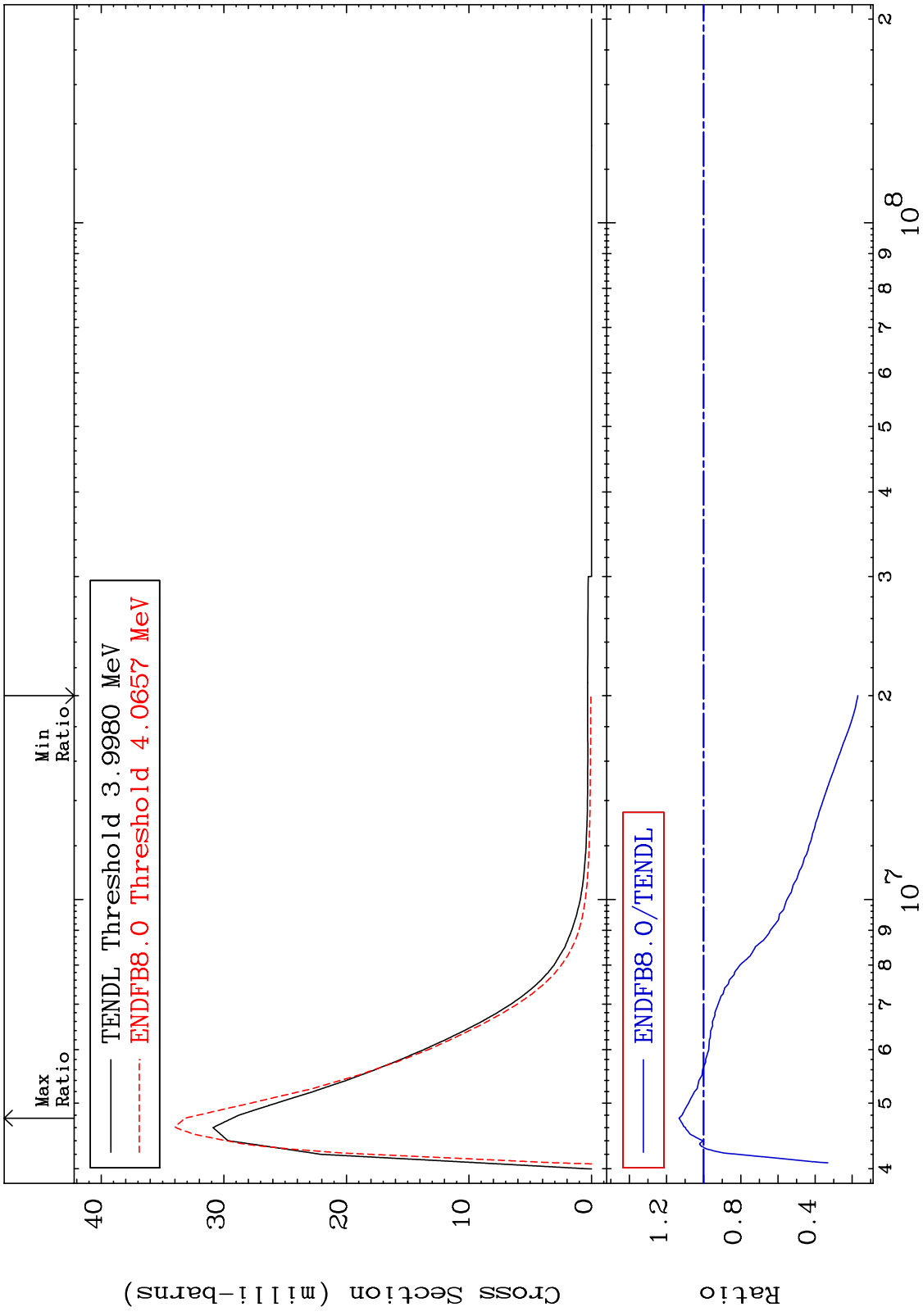
38-Sr-88
-91.65 To -44.22%



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38-Sr-88

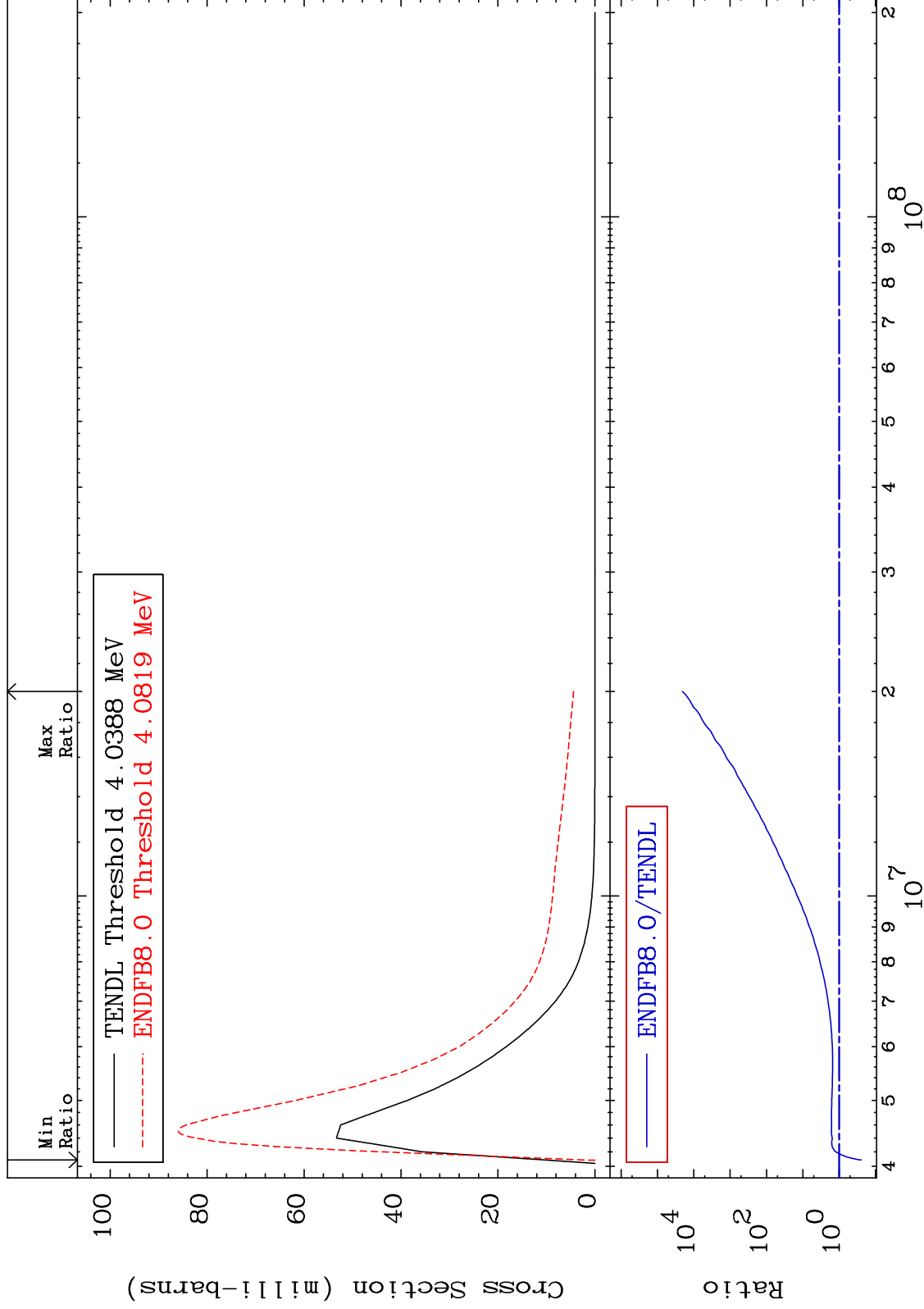
MAT 3837 MT= 60 (n,n') Level Cross Section 38-Sr-88
 -83.03 To 13.21 %



MAT 3837

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

38-Sr-88
-75.44 To 9999. %



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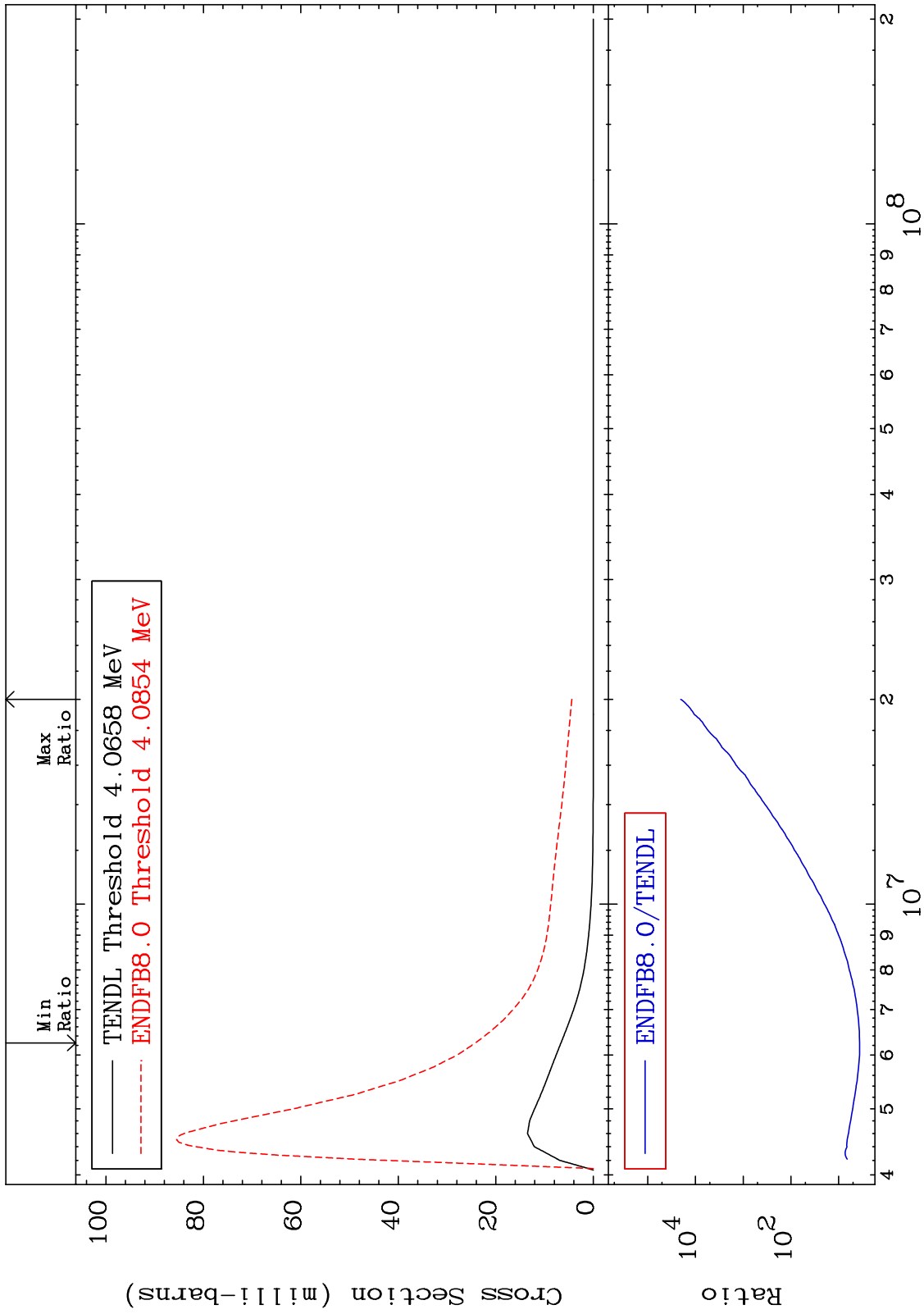
Incident Energy (eV)

38-Sr-88

MAT 3837

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

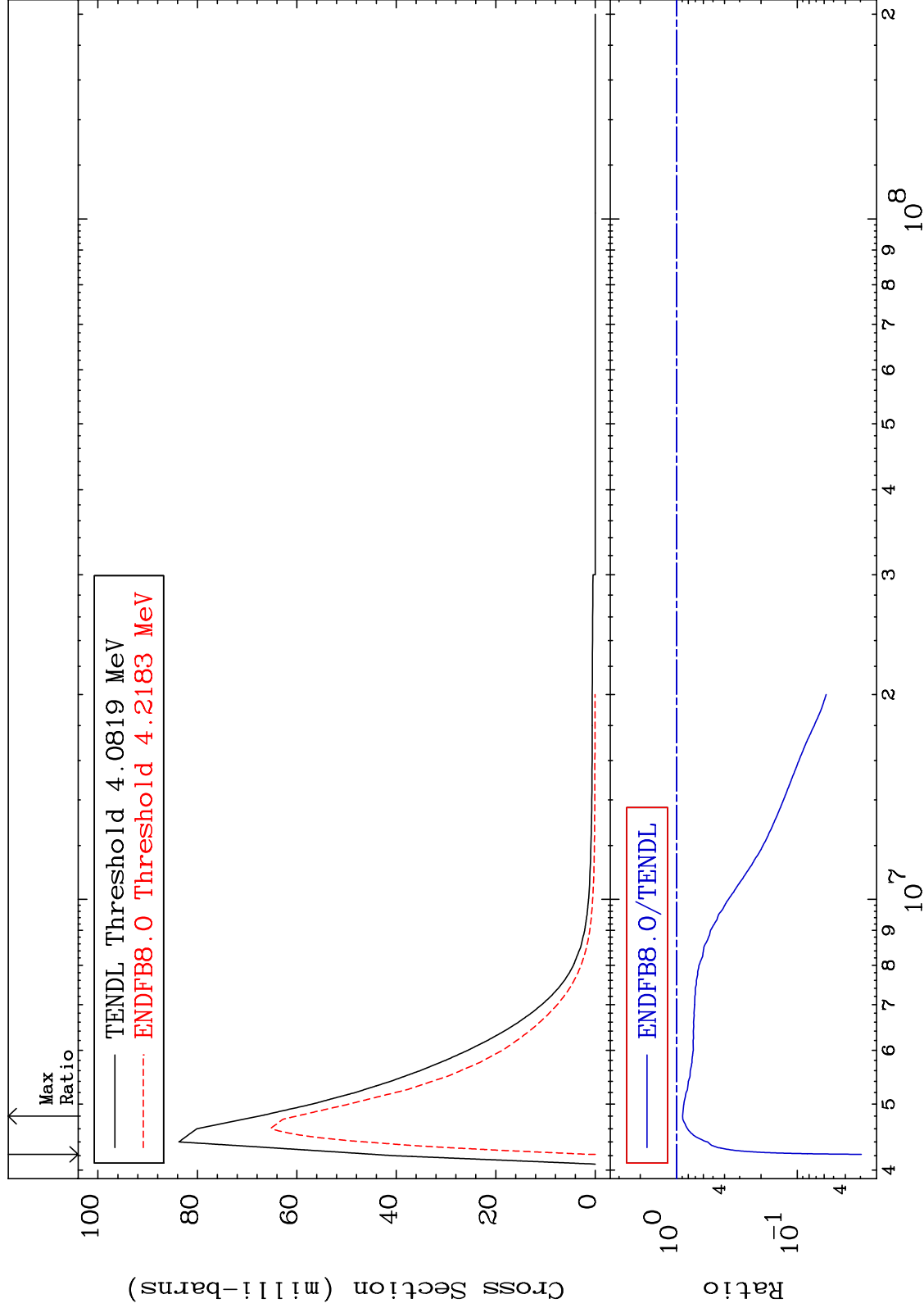
38-Sr-88
264.5 To 9999. %



MAT 3837

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

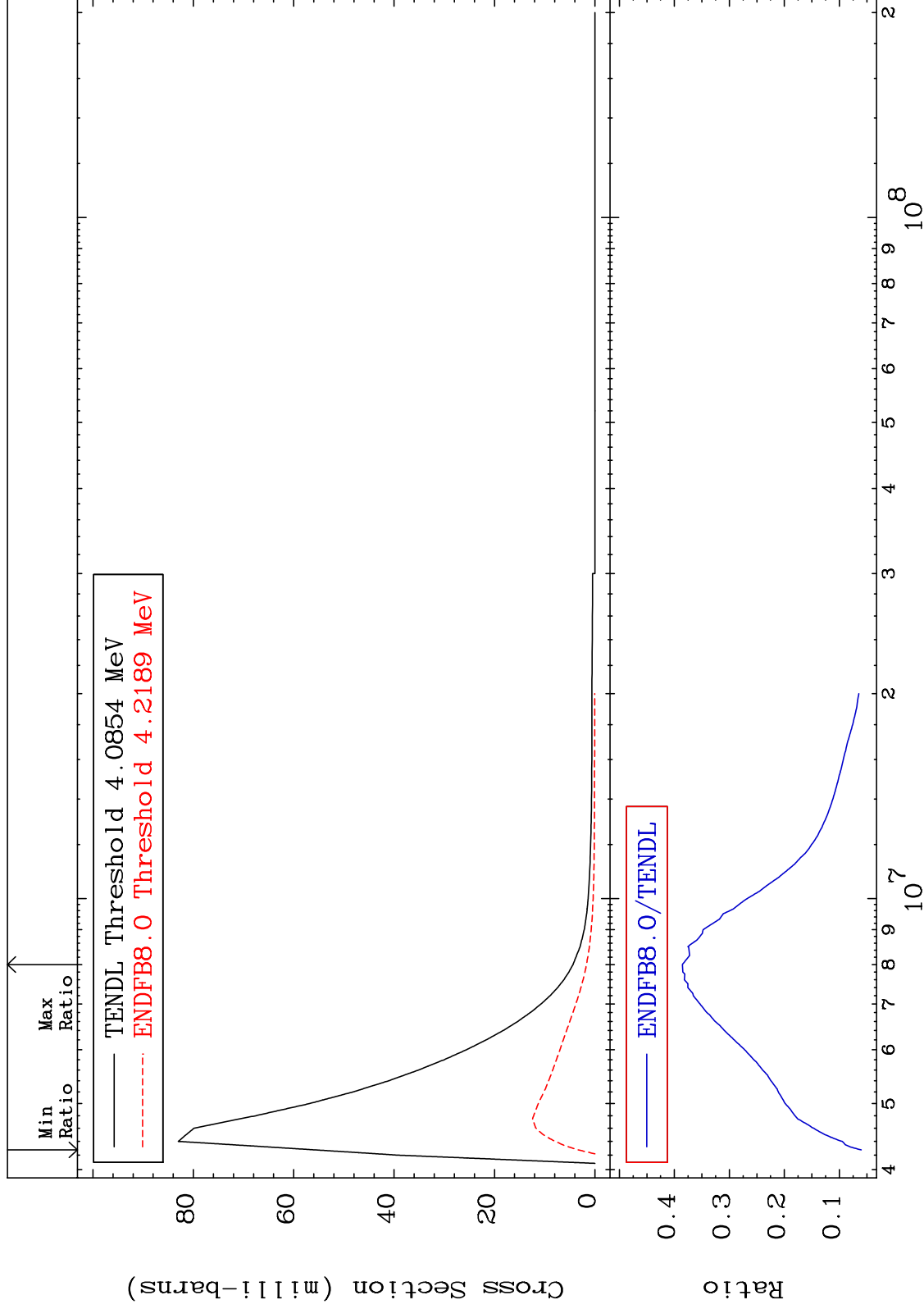
38-Sr-88
-97.05 To -11.04%



MAT 3837

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

38-Sr-88
-93.99 To -61.47%



20

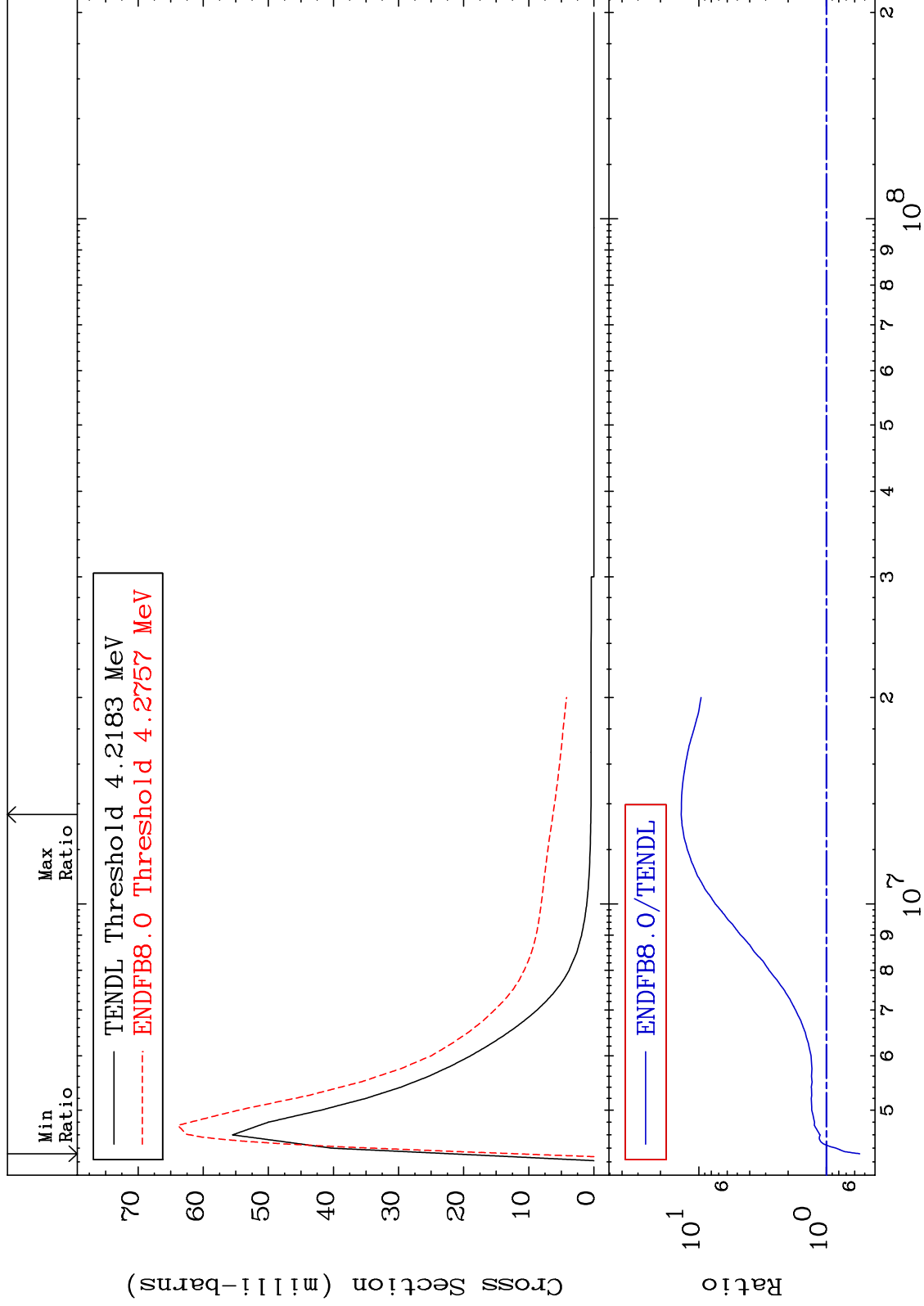
Incident Energy (eV)

38-Sr-88

MAT 3837

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

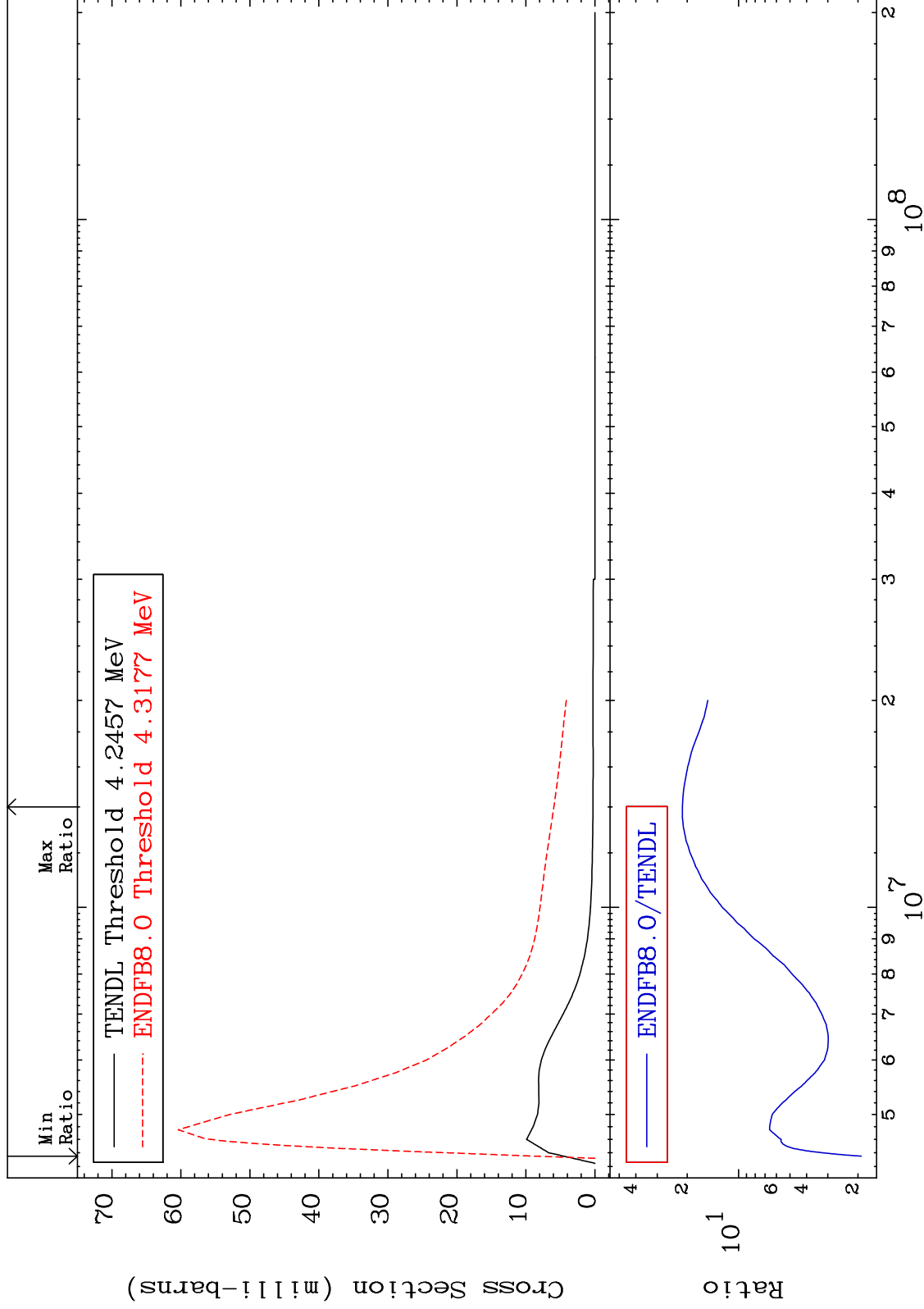
38-Sr-88
-45.22 To 1275. %



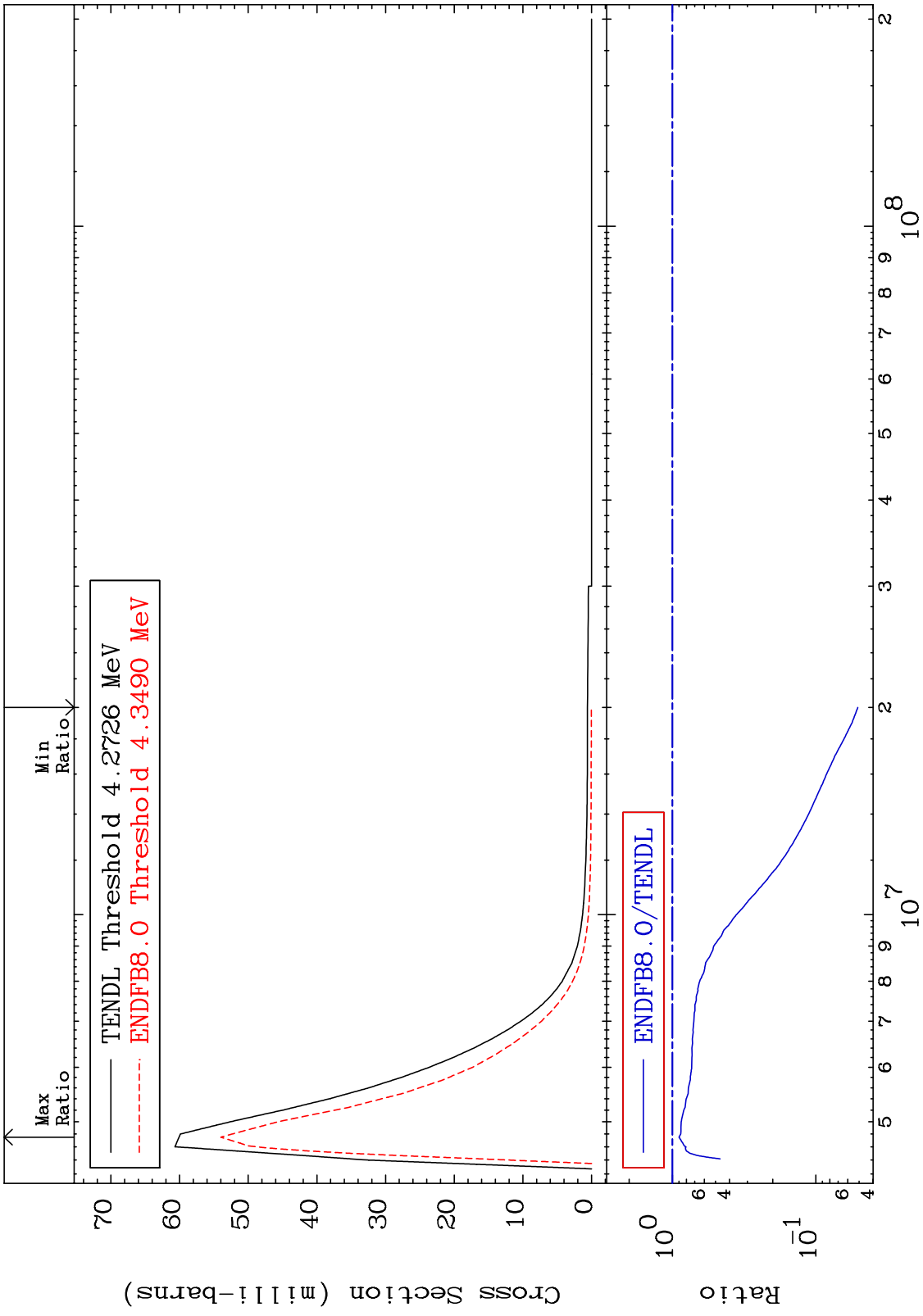
MAT 3837

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

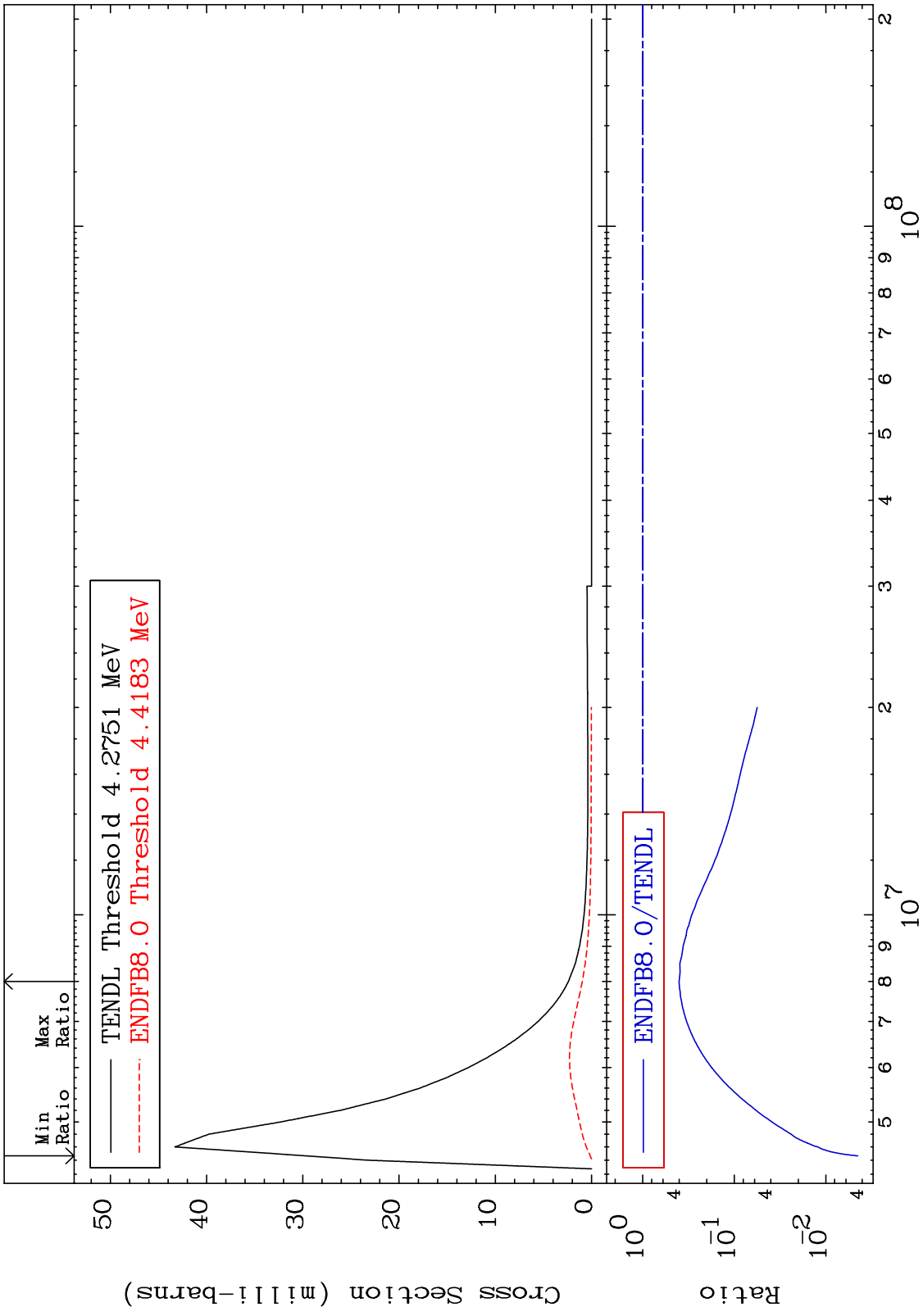
91.08 To 2032. %
38-Sr-88



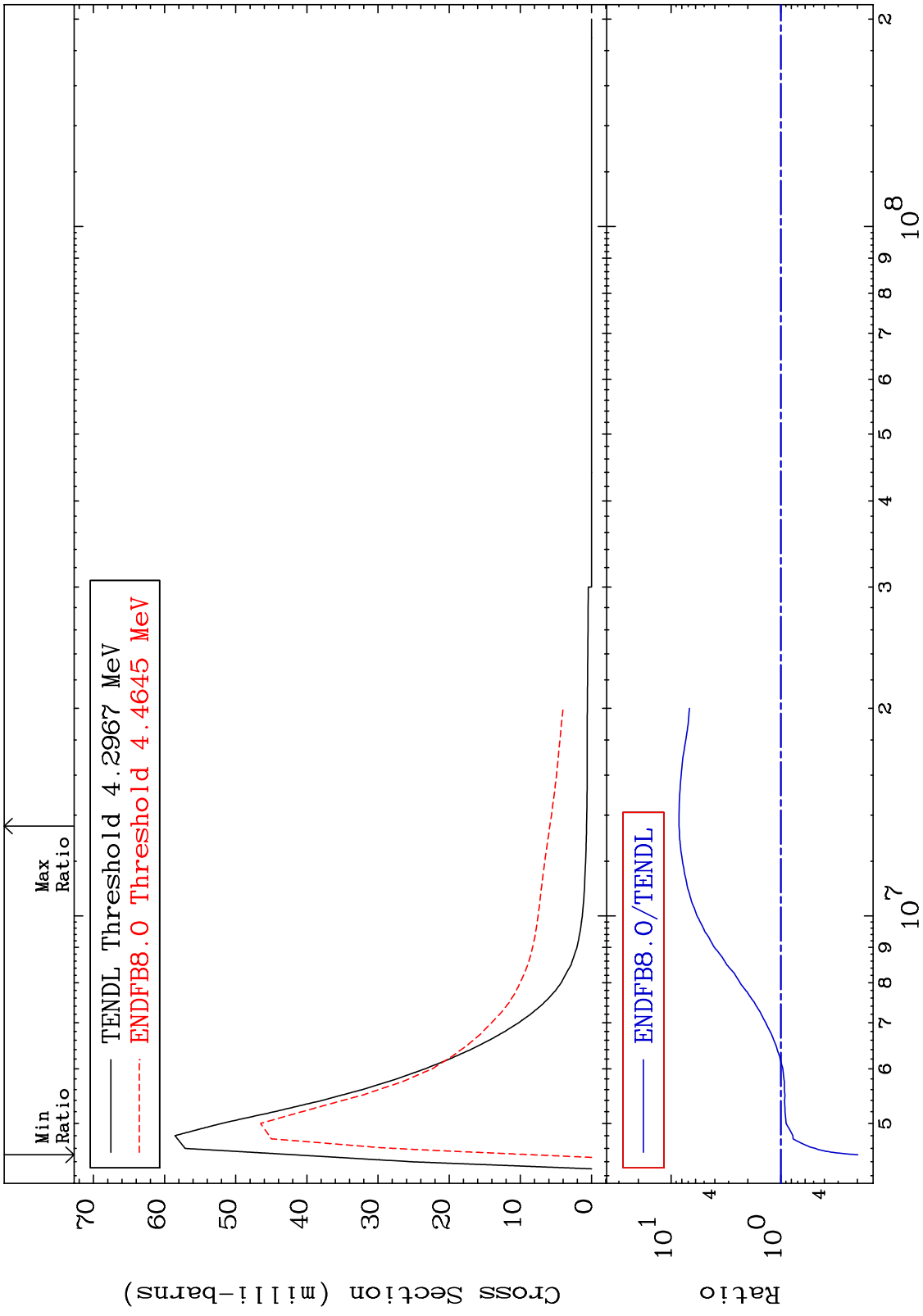
MAT 3837 MT= 67 (n,n') Level Cross Section 38-Sr-88
 -94.90 To -10.12%



MAT 3837 MT= 68 (n,n') Level Cross Section 38-Sr-88
 -99.55 To -59.84%



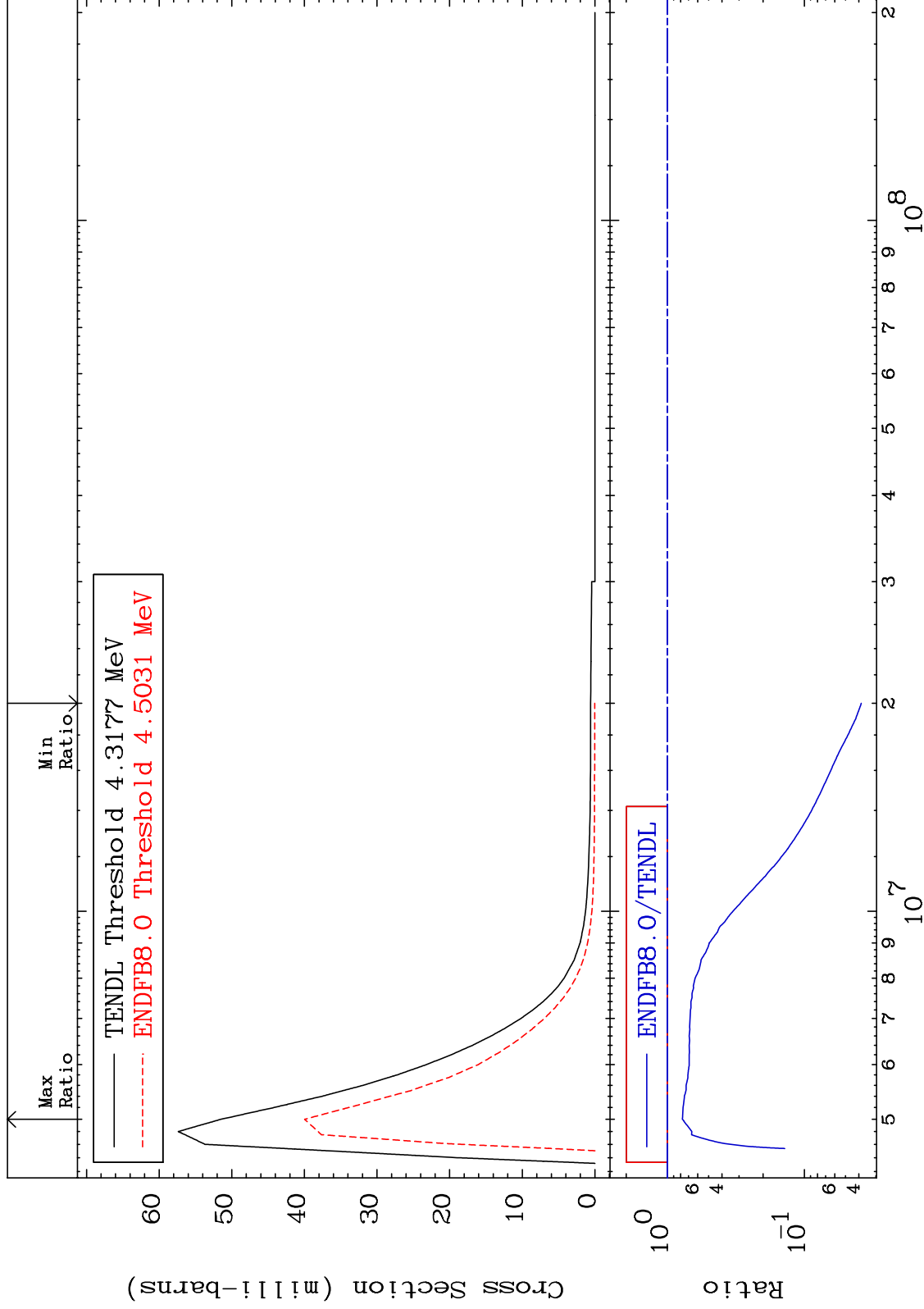
MAT 3837 MT= 69 (n,n') Level Cross Section 38-Sr-88
 -80.21 To 748.1 %



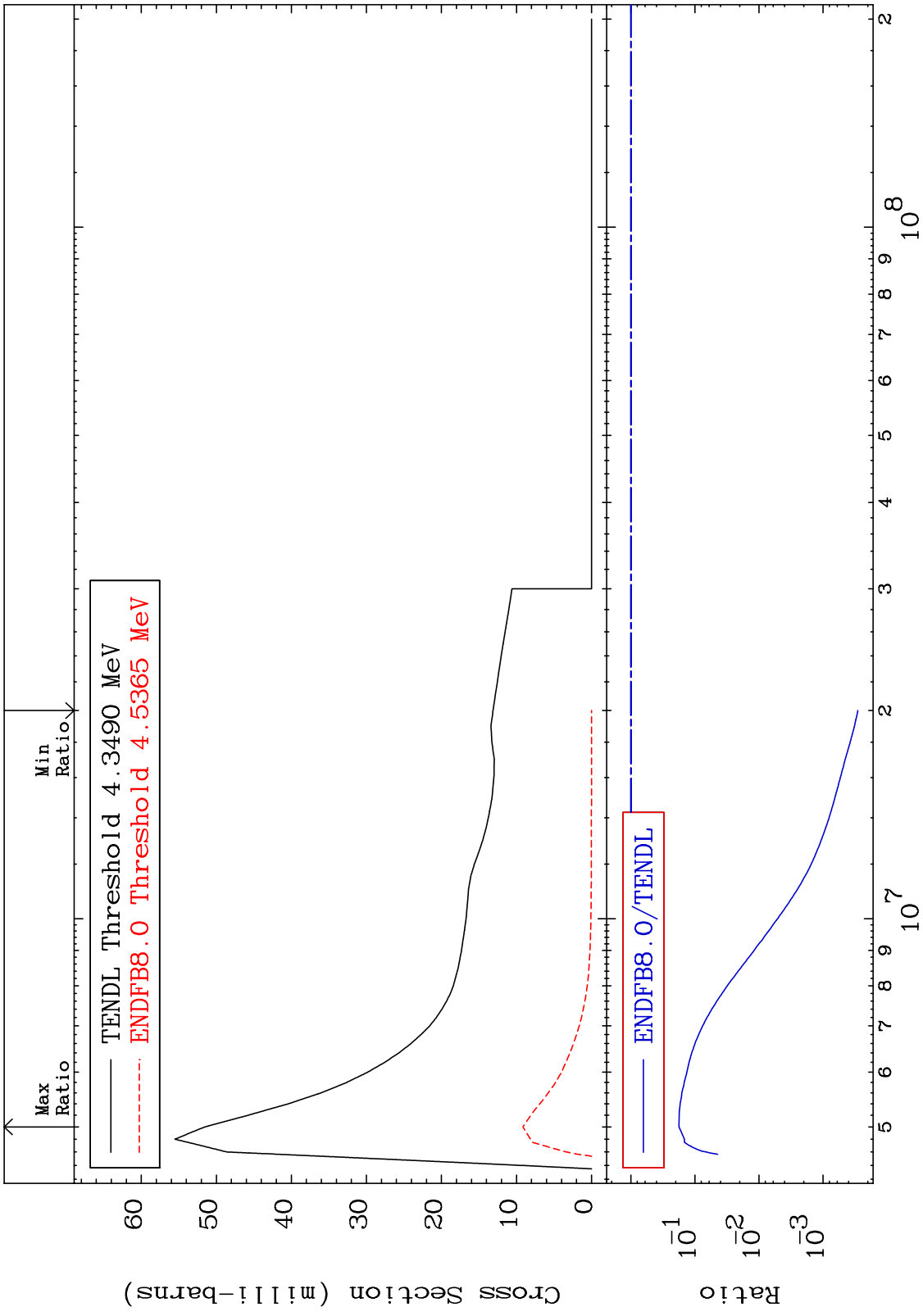
MAT 3837

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

38-Sr-88
-96.16 To -22.36%



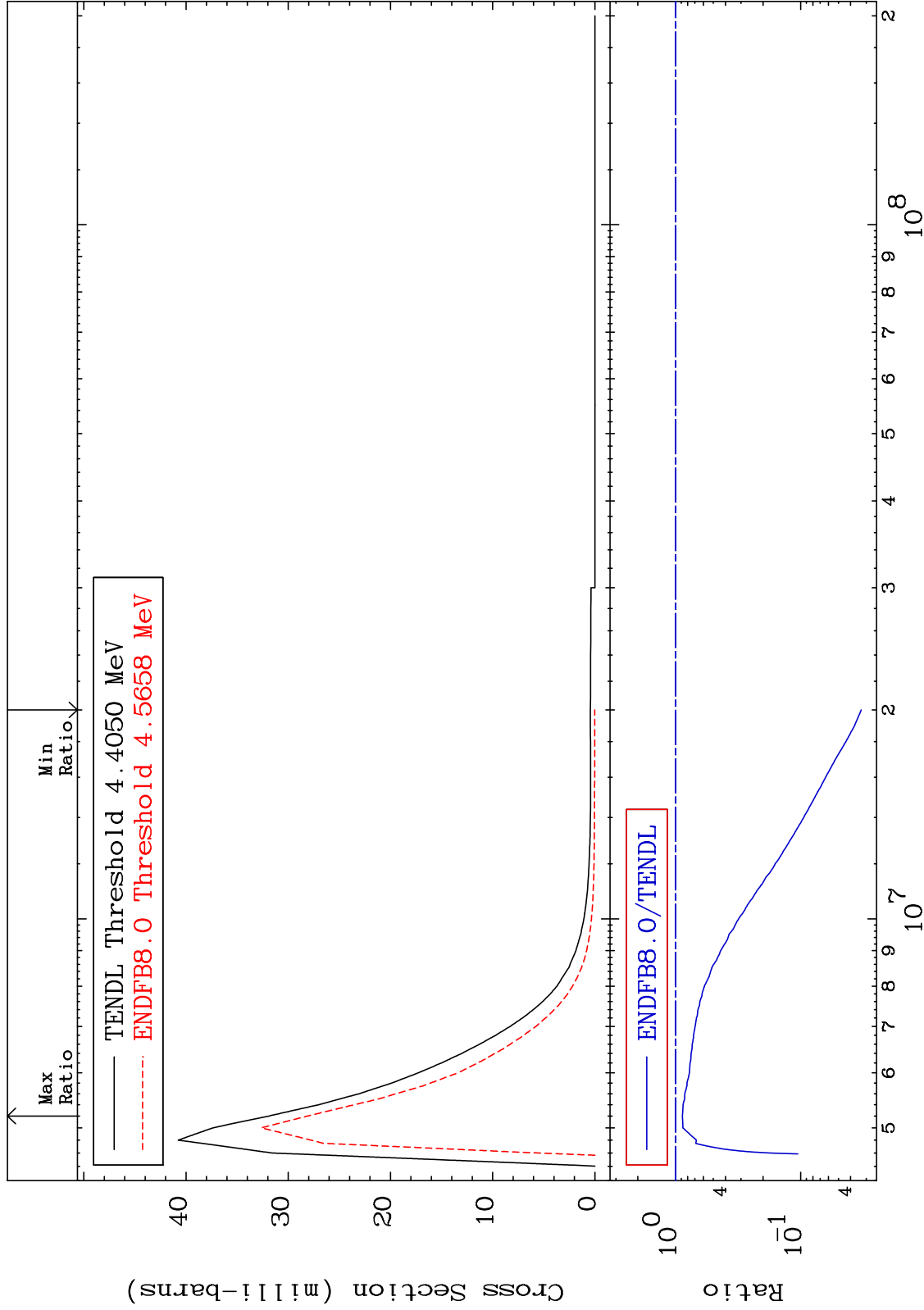
MAT 3837 MT= 71 (n,n') Level Cross Section 38-Sr-88
 -99.97 To -82.24%



MAT 3837

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

38-Sr-88
-96.72 To -11.93%



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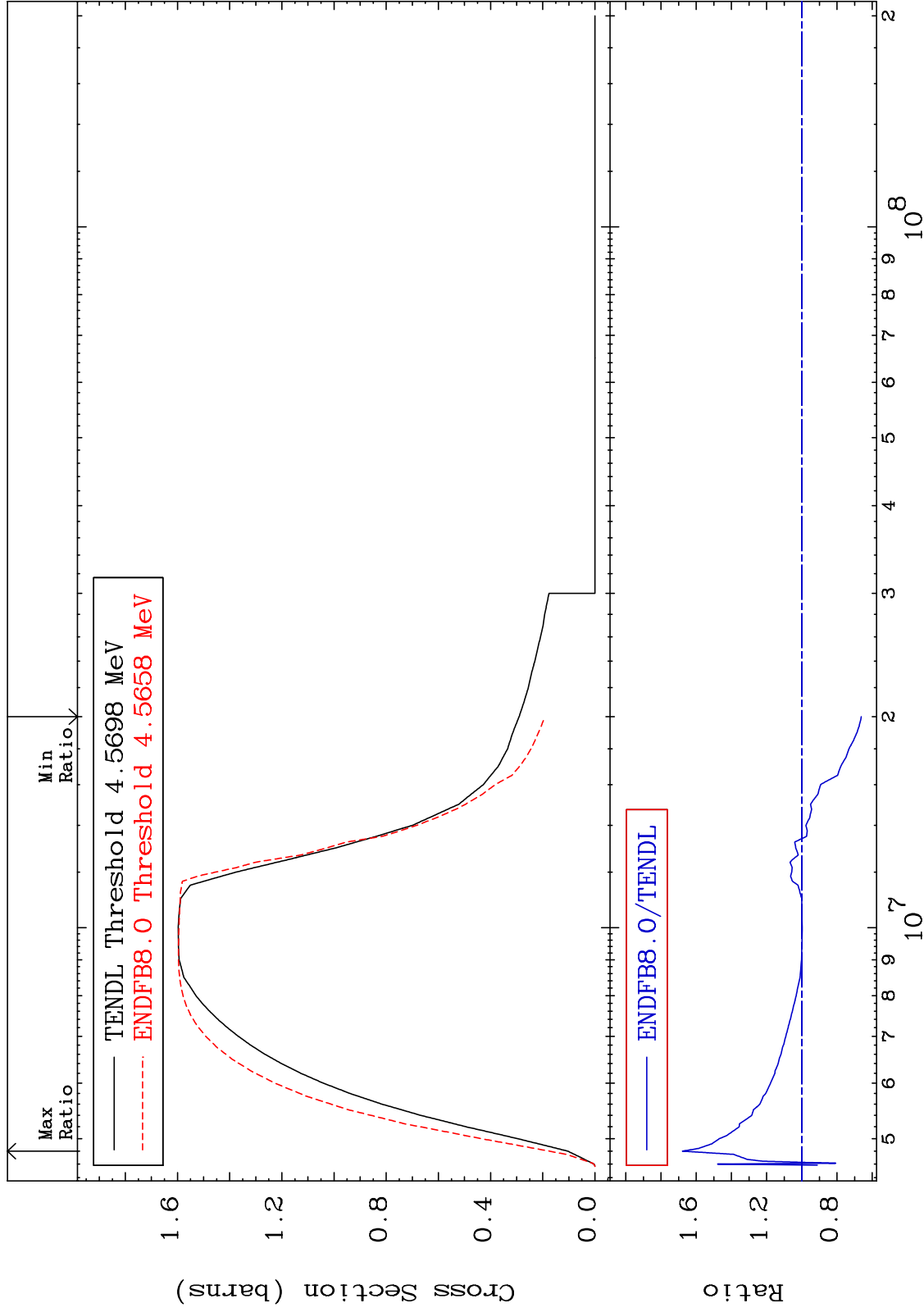
Incident Energy (eV)

38-Sr-88

MAT 3837

(n,n') Continuum
Cross Section

38-Sr-88
-33.76 To 67.84 %



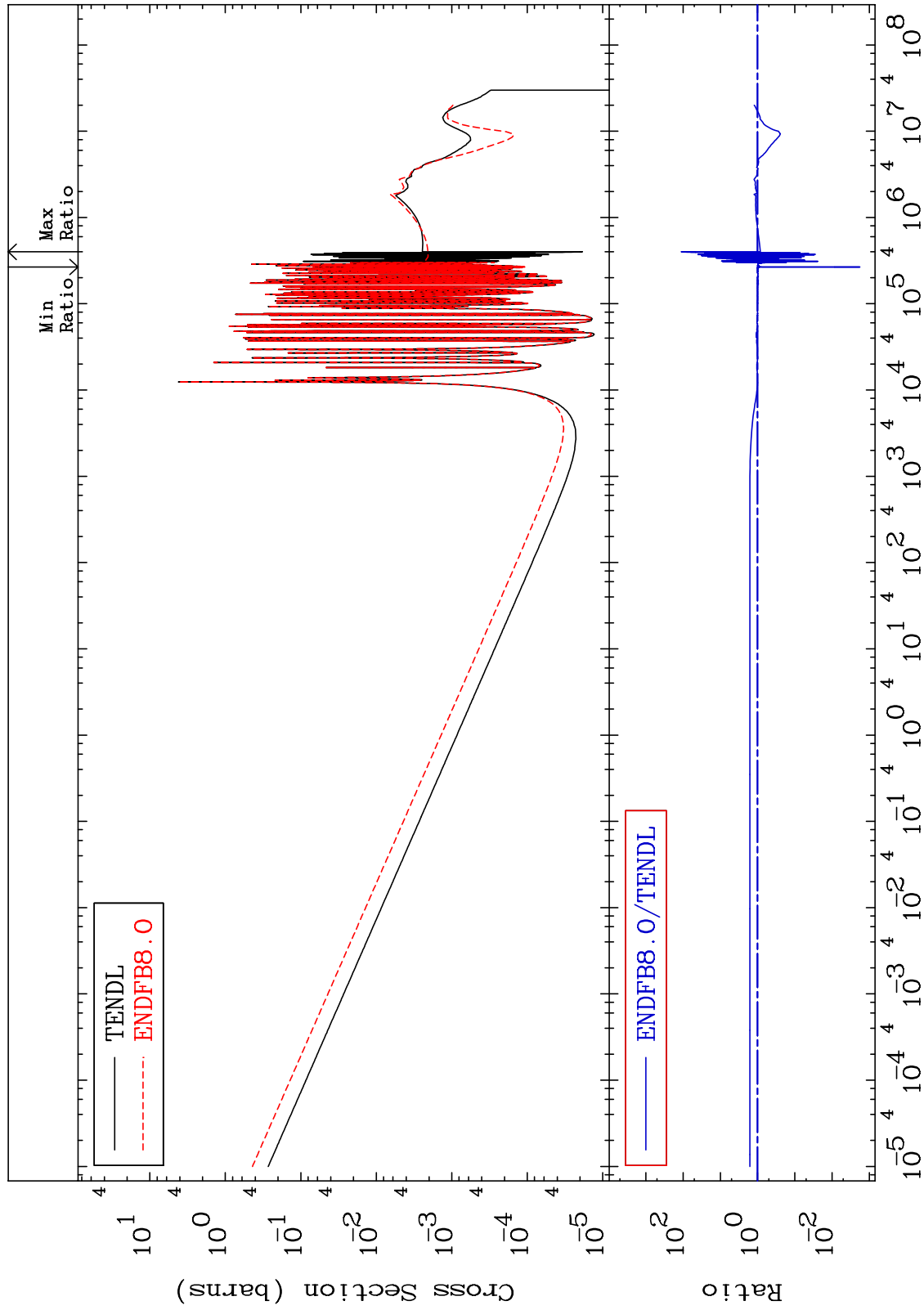
MAT 3837

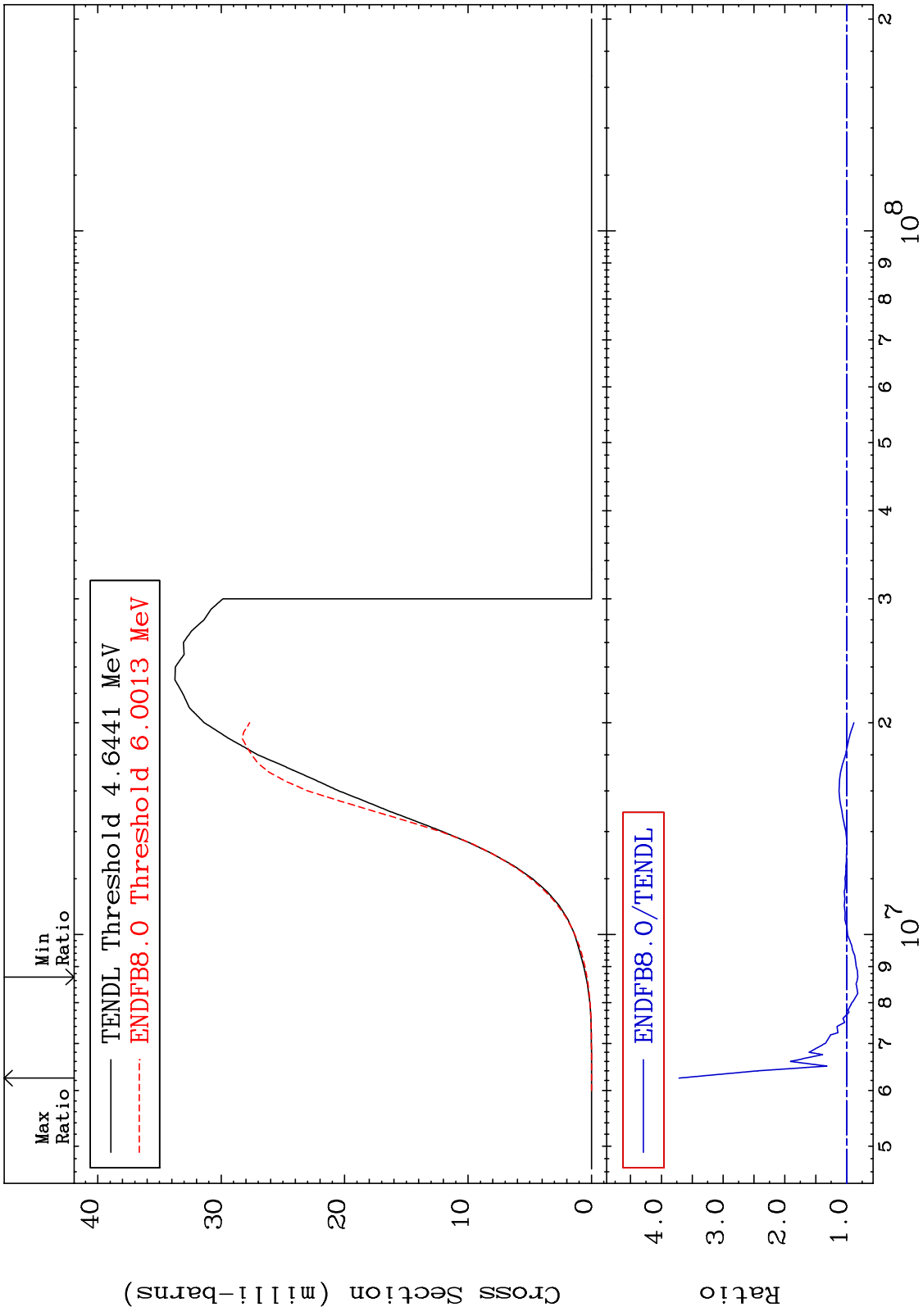
(n, γ)

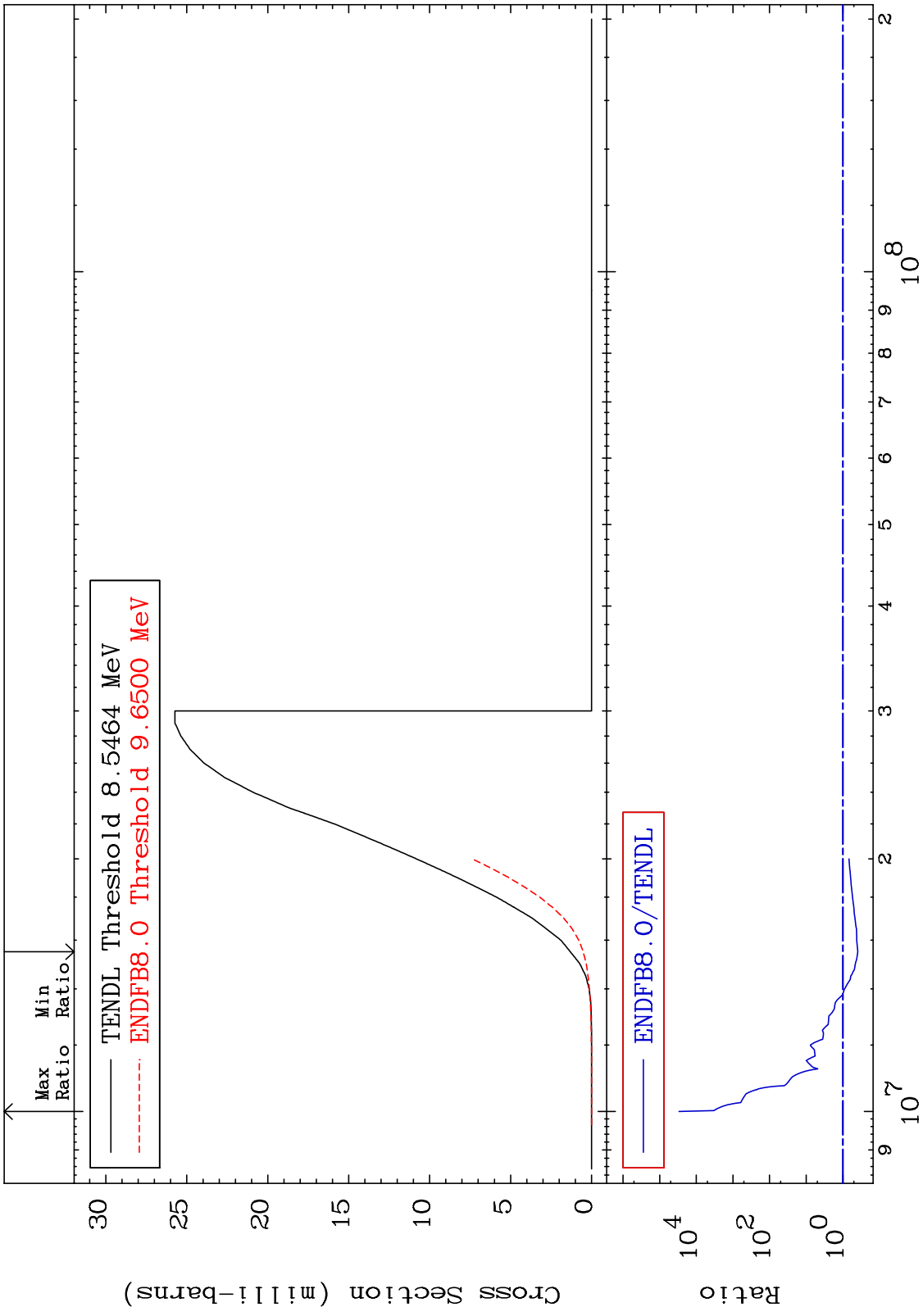
38-Sr-88

Cross Section

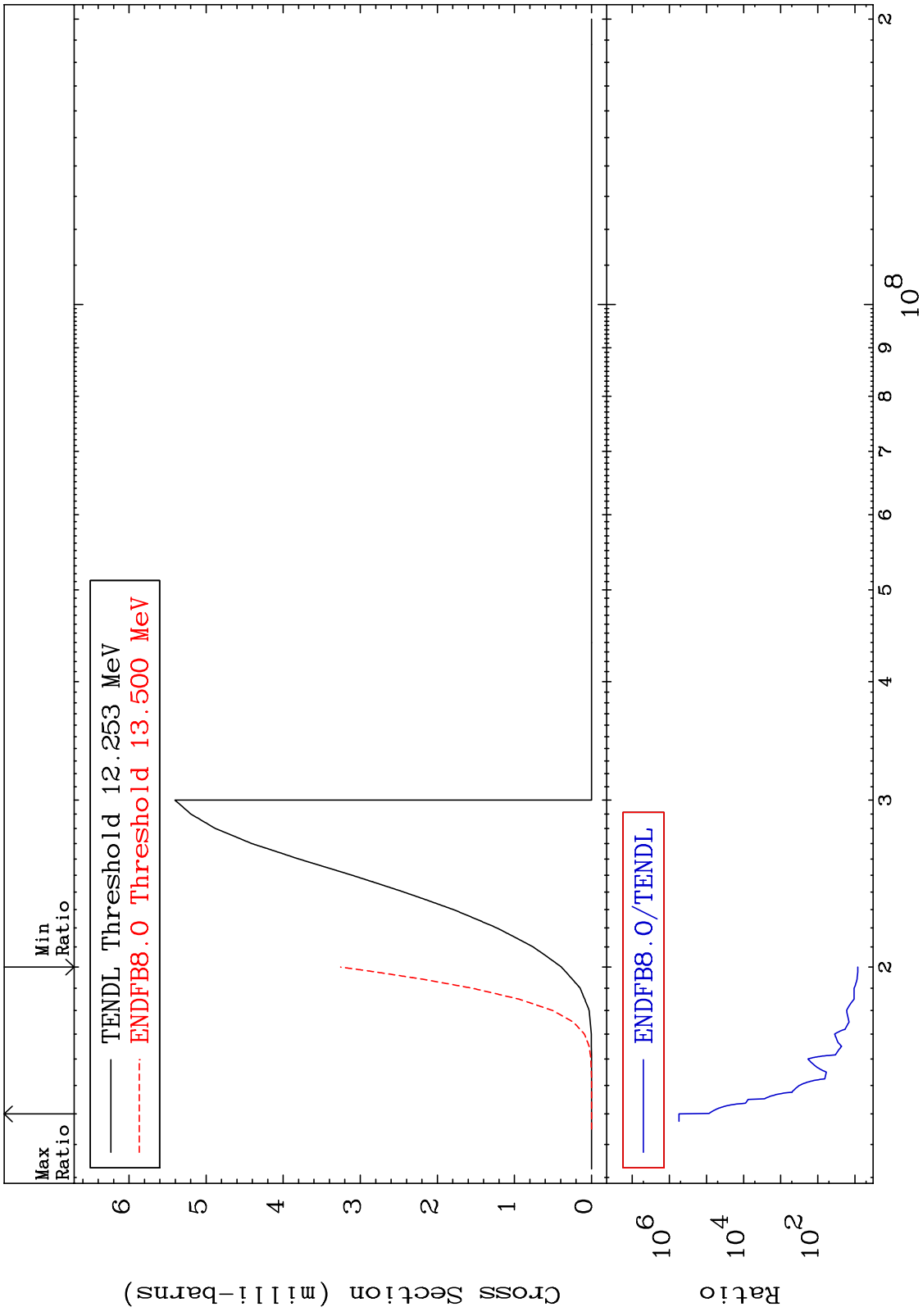
-99.82 To 9999. %

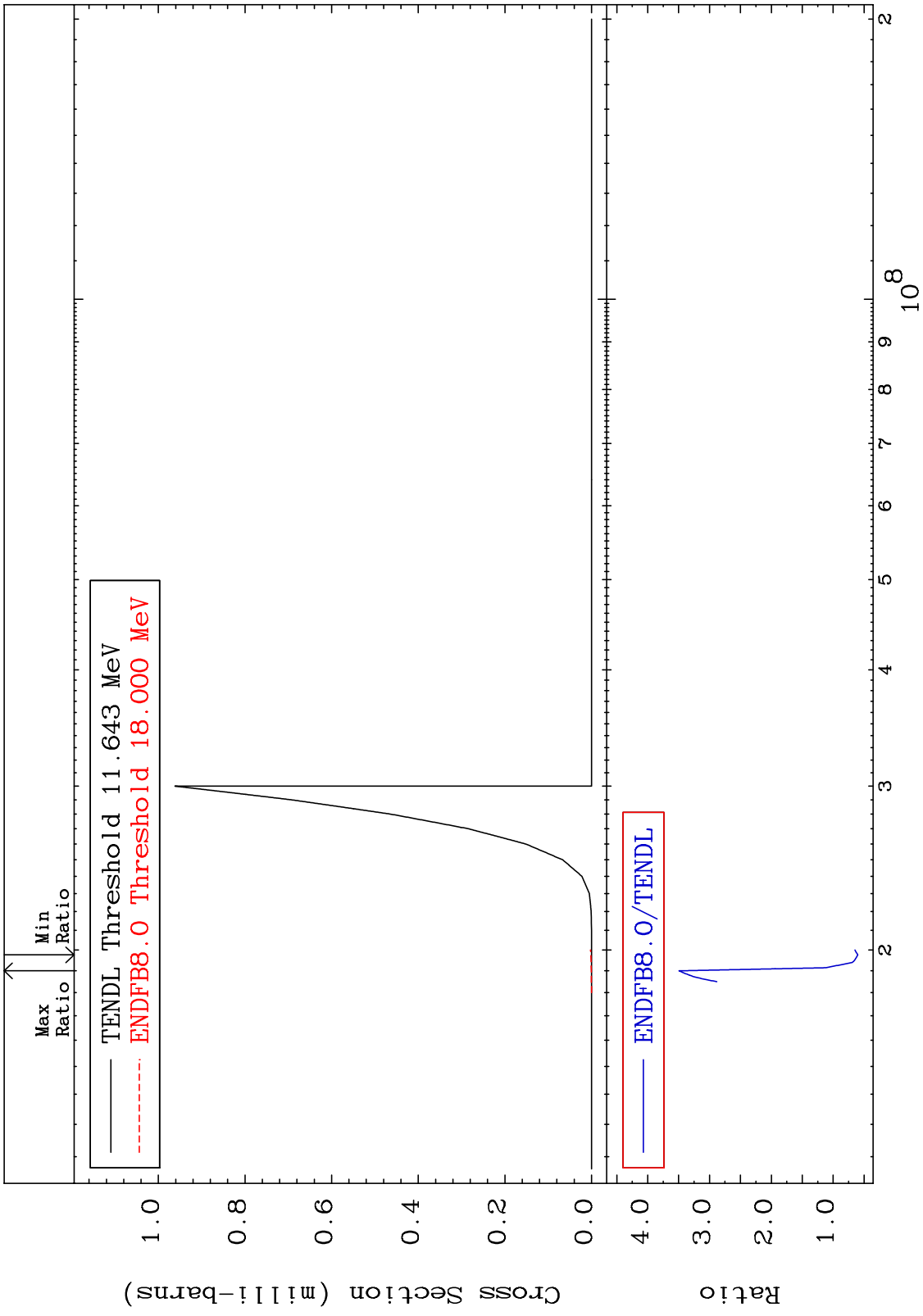






MAT 3837 (n,t) Cross Section 38-Sr-88
 735.5 To 9999. %





MAT 3837

(n, α)

38-Sr-88

-45.41 To 9999. %

Cross Section

Max Ratio

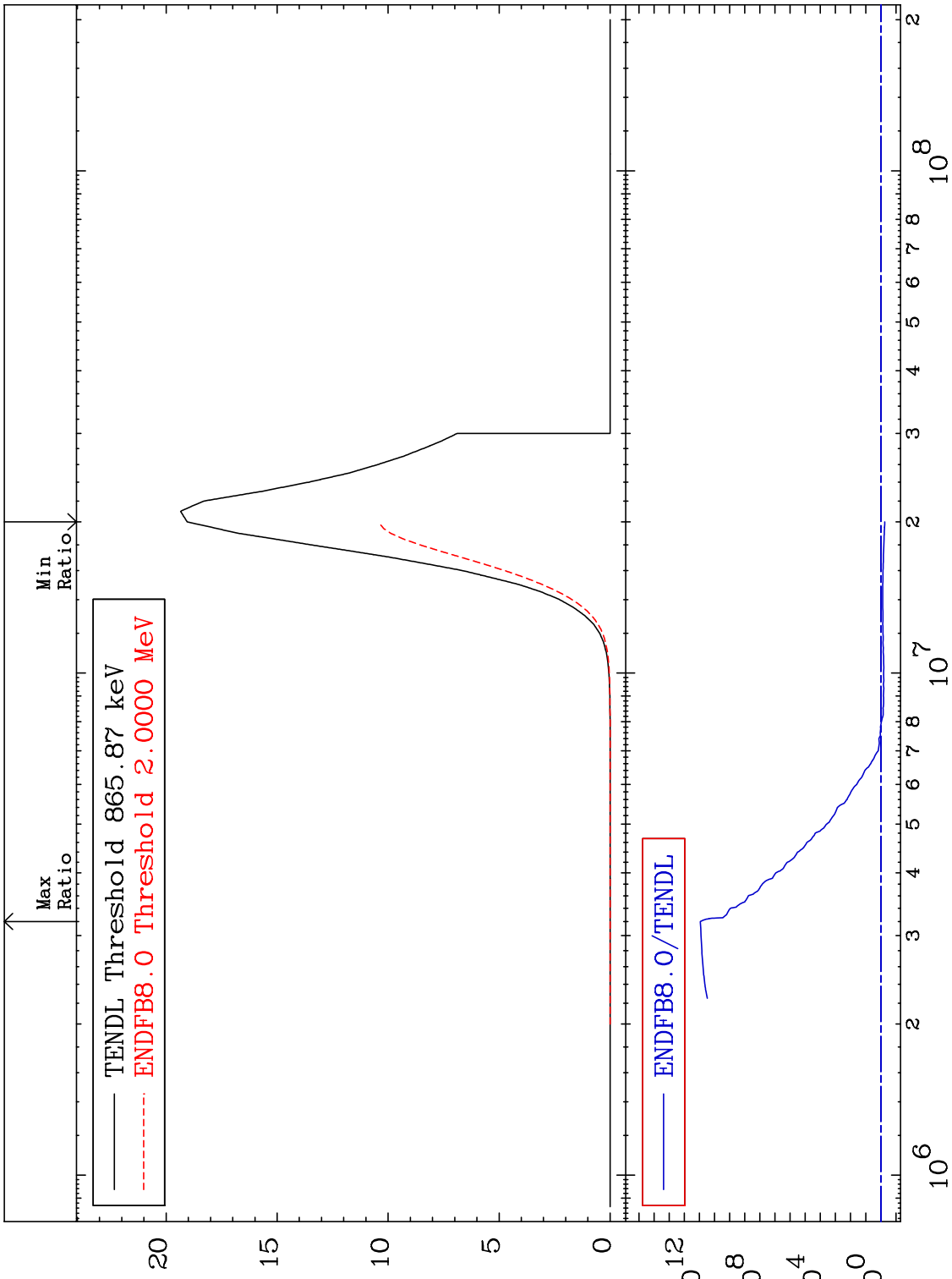
Min Ratio

TENDL Threshold 865.87 keV
ENDFB8.0 Threshold 2.0000 MeV

Cross Section (milli-barns)

ENDFB8.0/TENDL

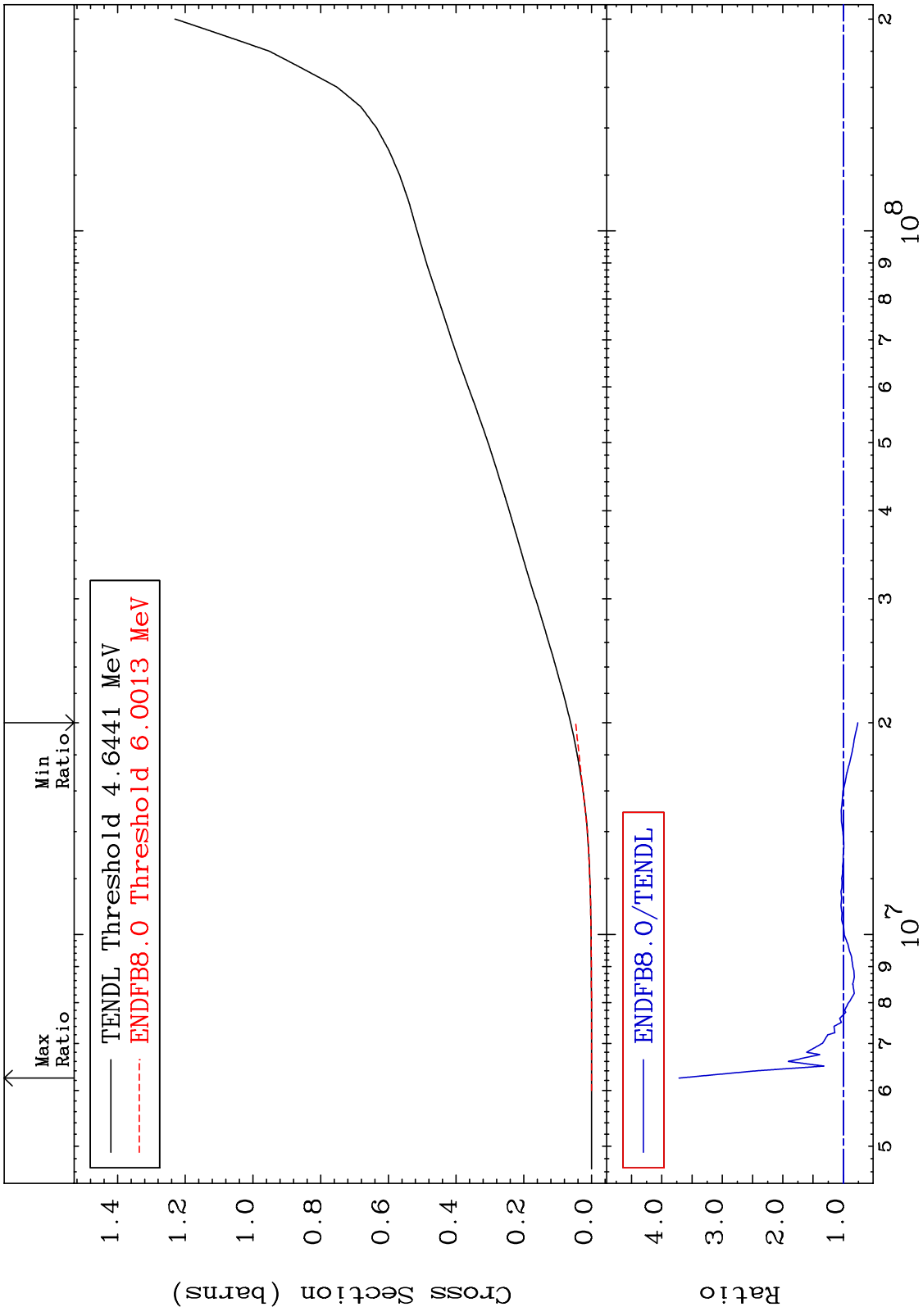
Ratio



35

Incident Energy (eV)

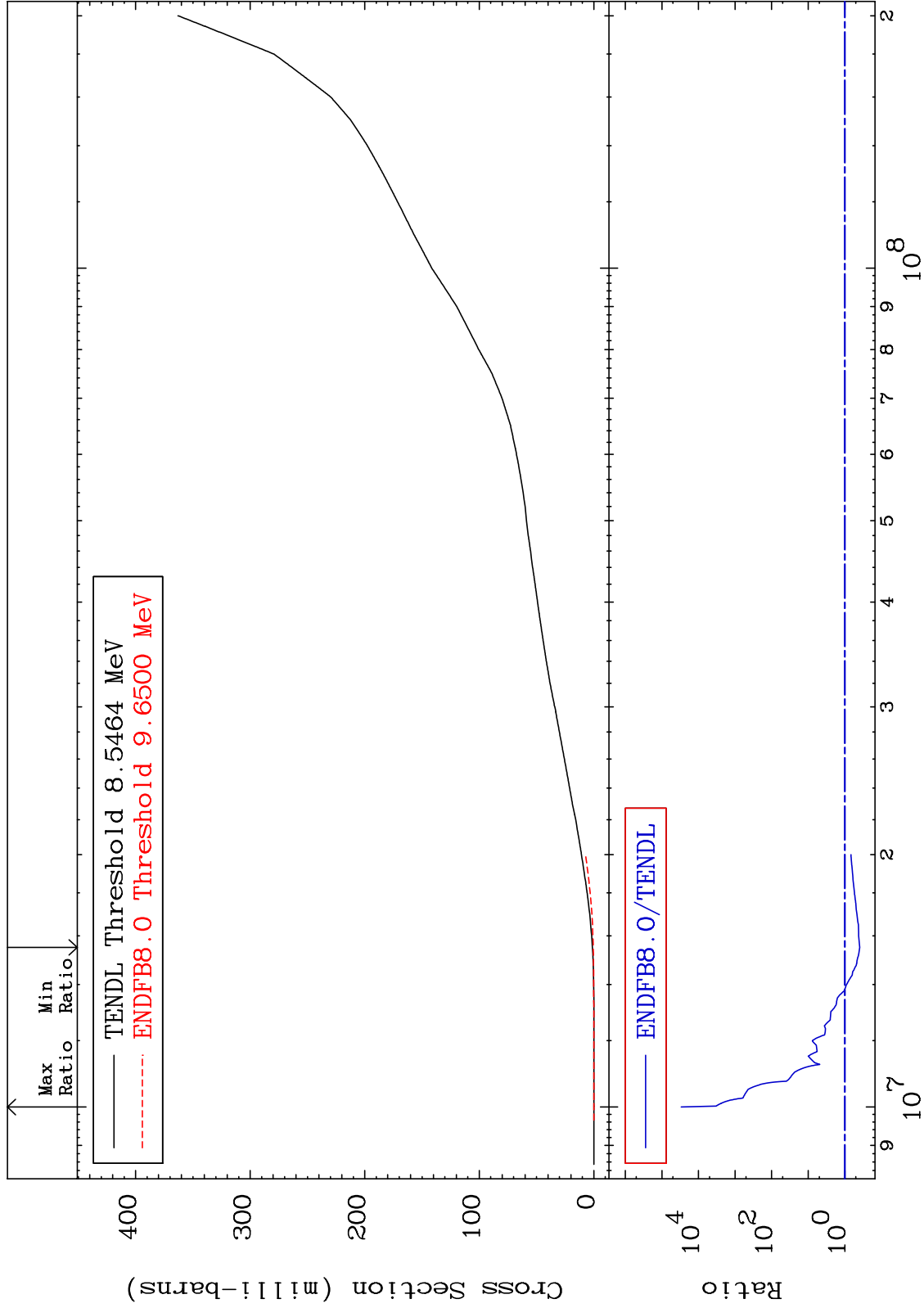
38-Sr-88



MAT 3837

Deuterium Production
Cross Section

38-Sr-88
-60.94 To 9999. %



37

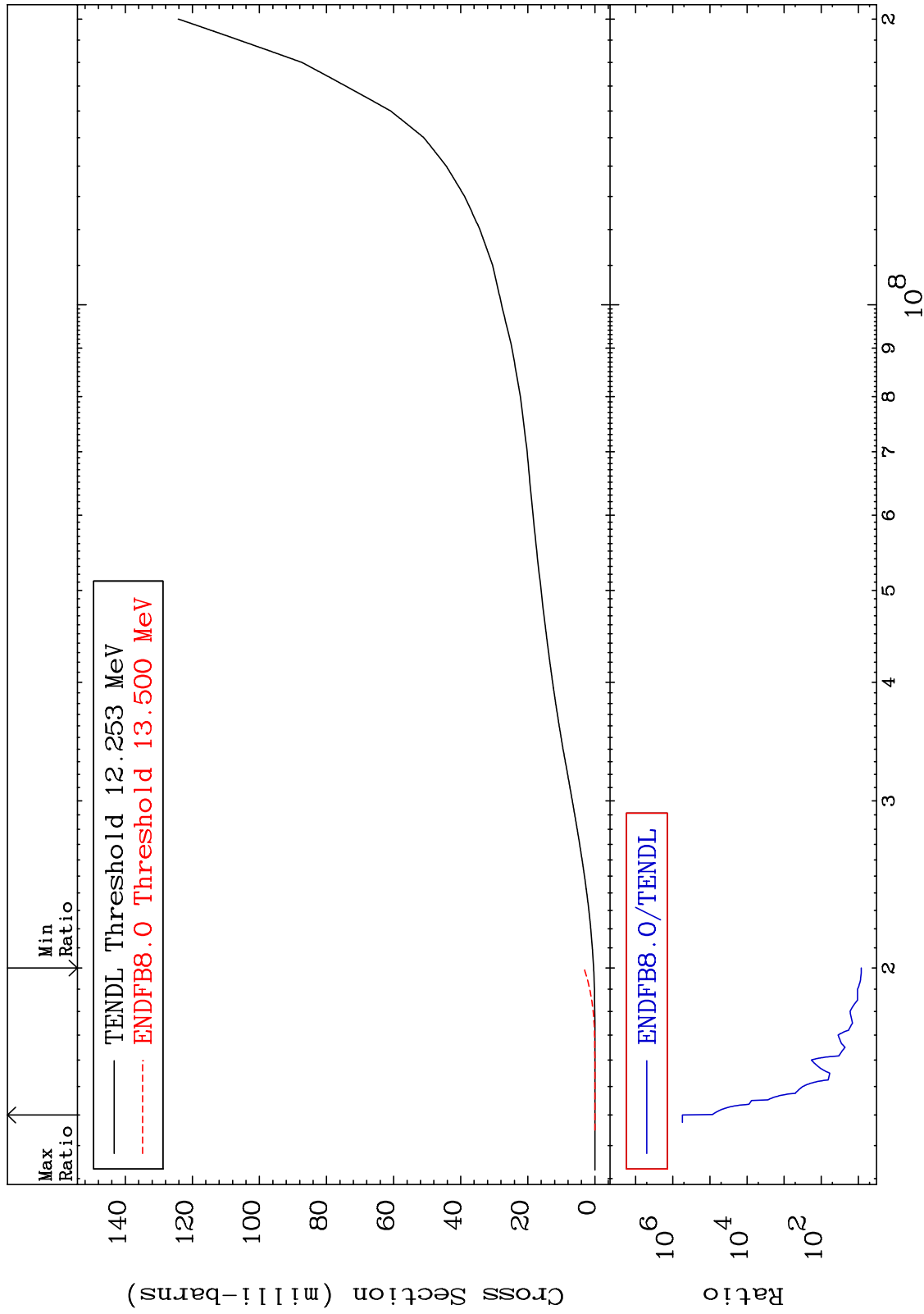
Incident Energy (eV)

38-Sr-88

MAT 3837

Tritium Production
Cross Section

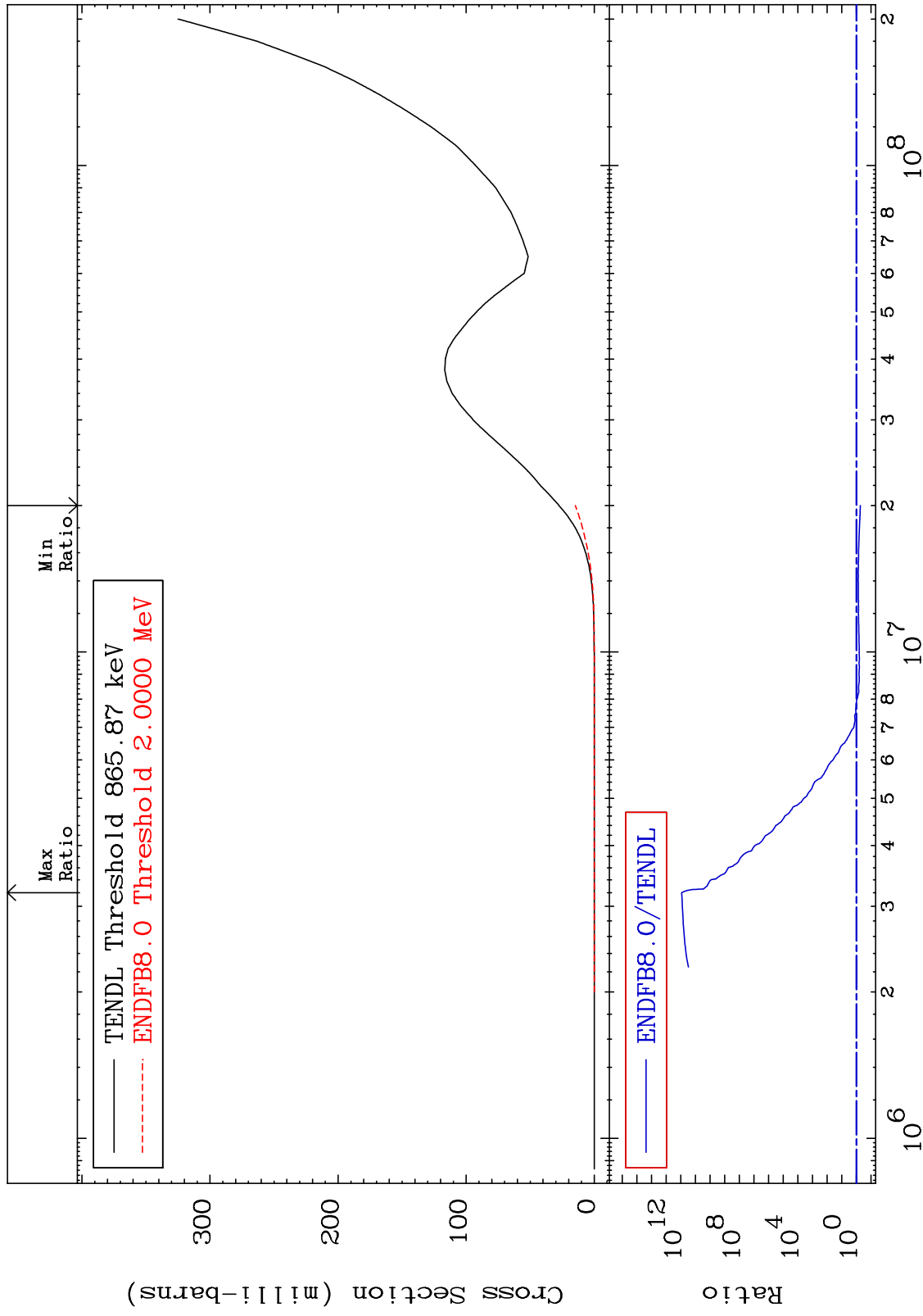
38-Sr-88
735.5 To 9999. %



MAT 3837

He-4 Production
Cross Section

38-Sr-88
-46.35 To 9999. %

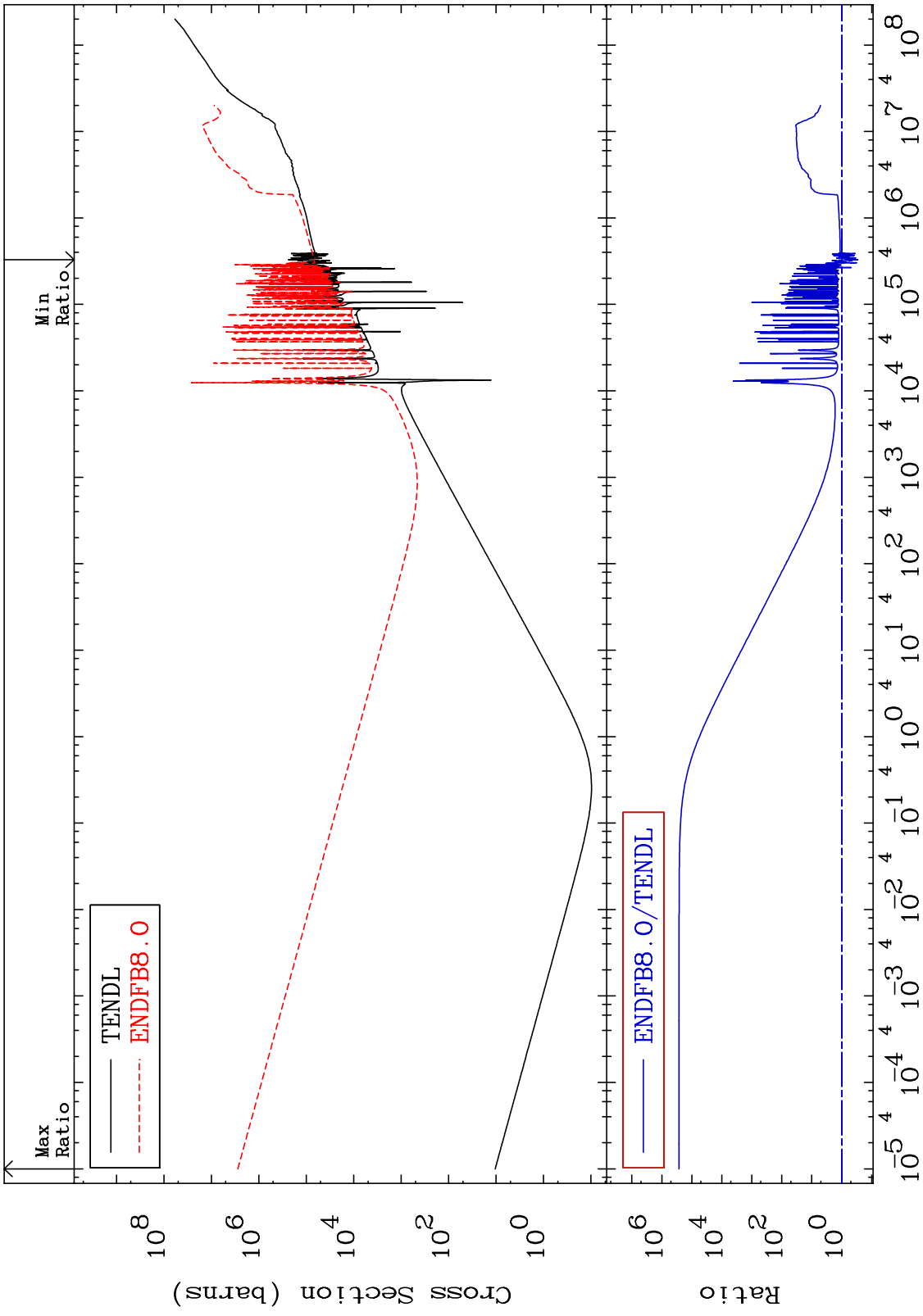


40

Incident Energy (eV)

38-Sr-88

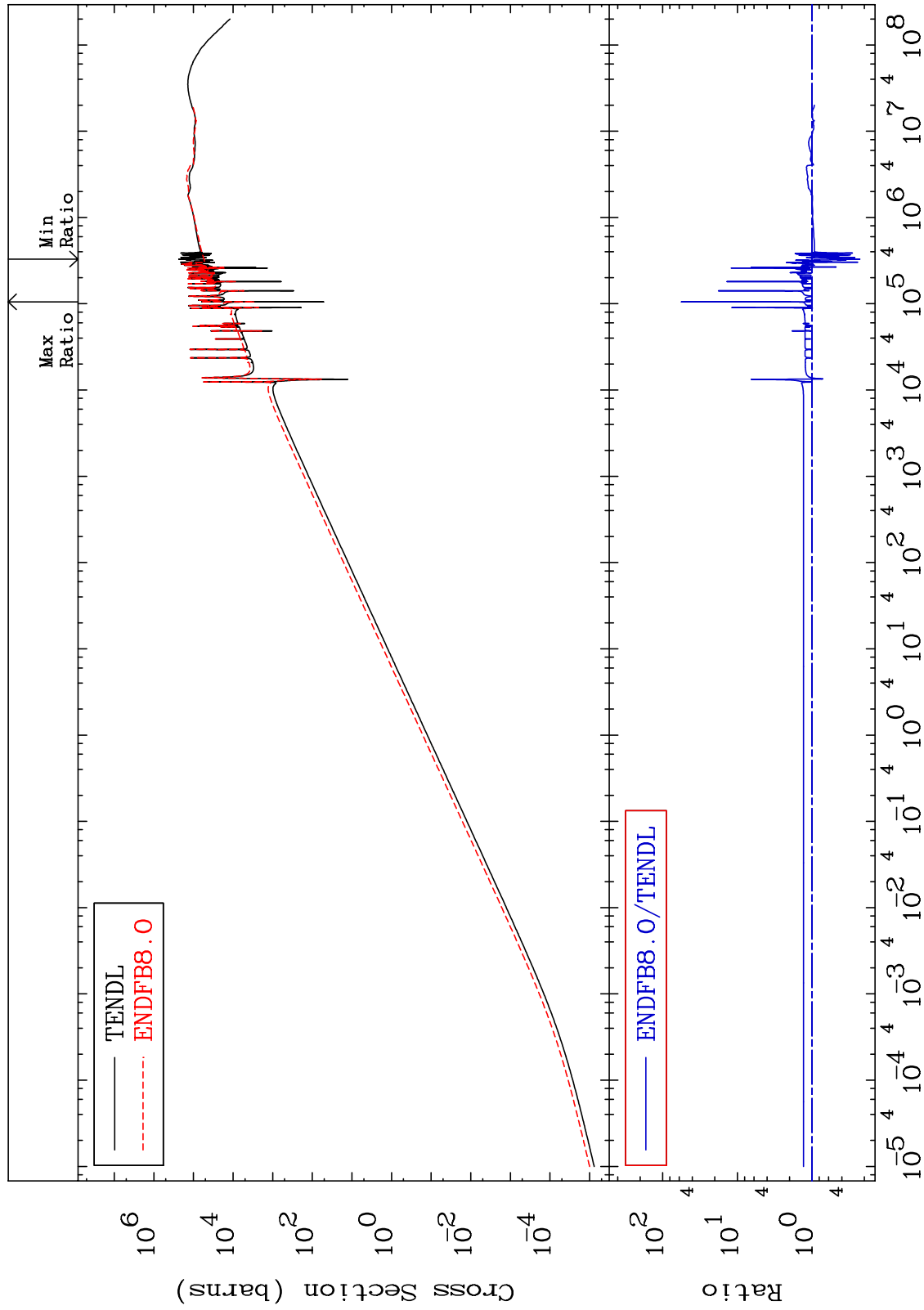
MAT 3837 Kerma total (eV-barns) Cross Section 38-Sr-88
 -70.95 To 9999. %



MAT 3837

Kerma elastic
Cross Section

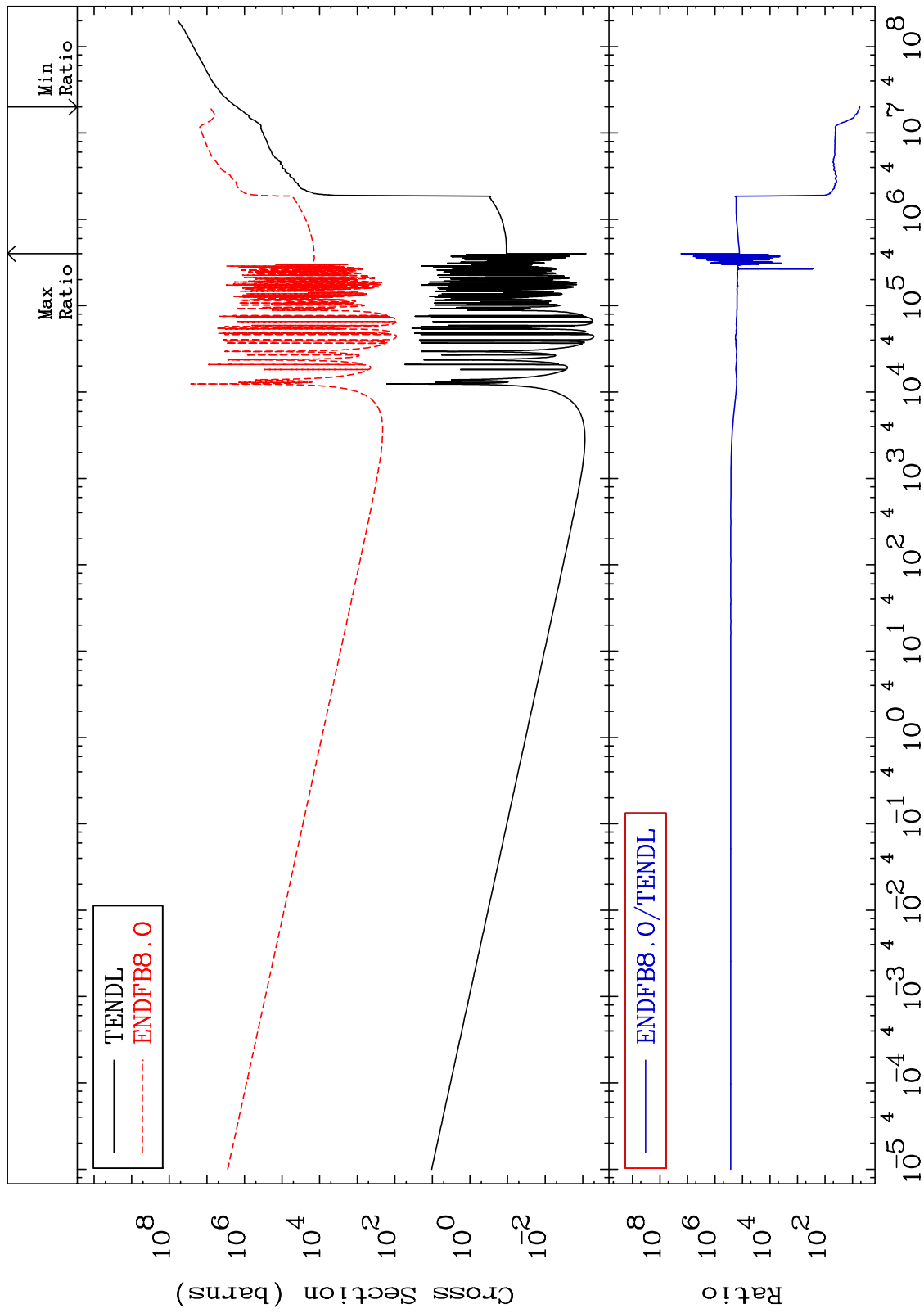
38-Sr-88
-77.05 To 5494. %

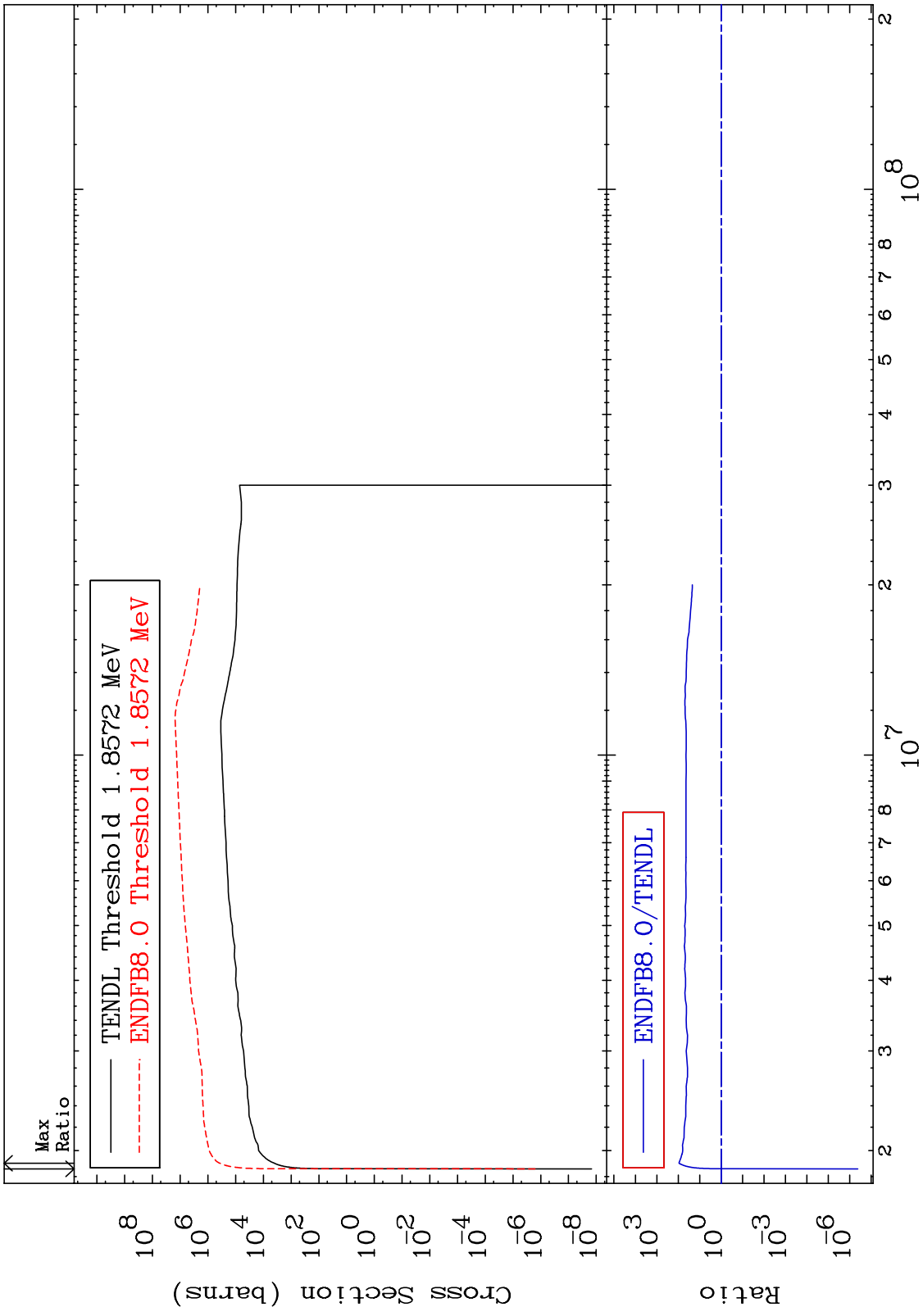


MAT 3837

Kerma non-elastic (all but mt2)
Cross Section

38-Sr-88
442.0 To 9999. %

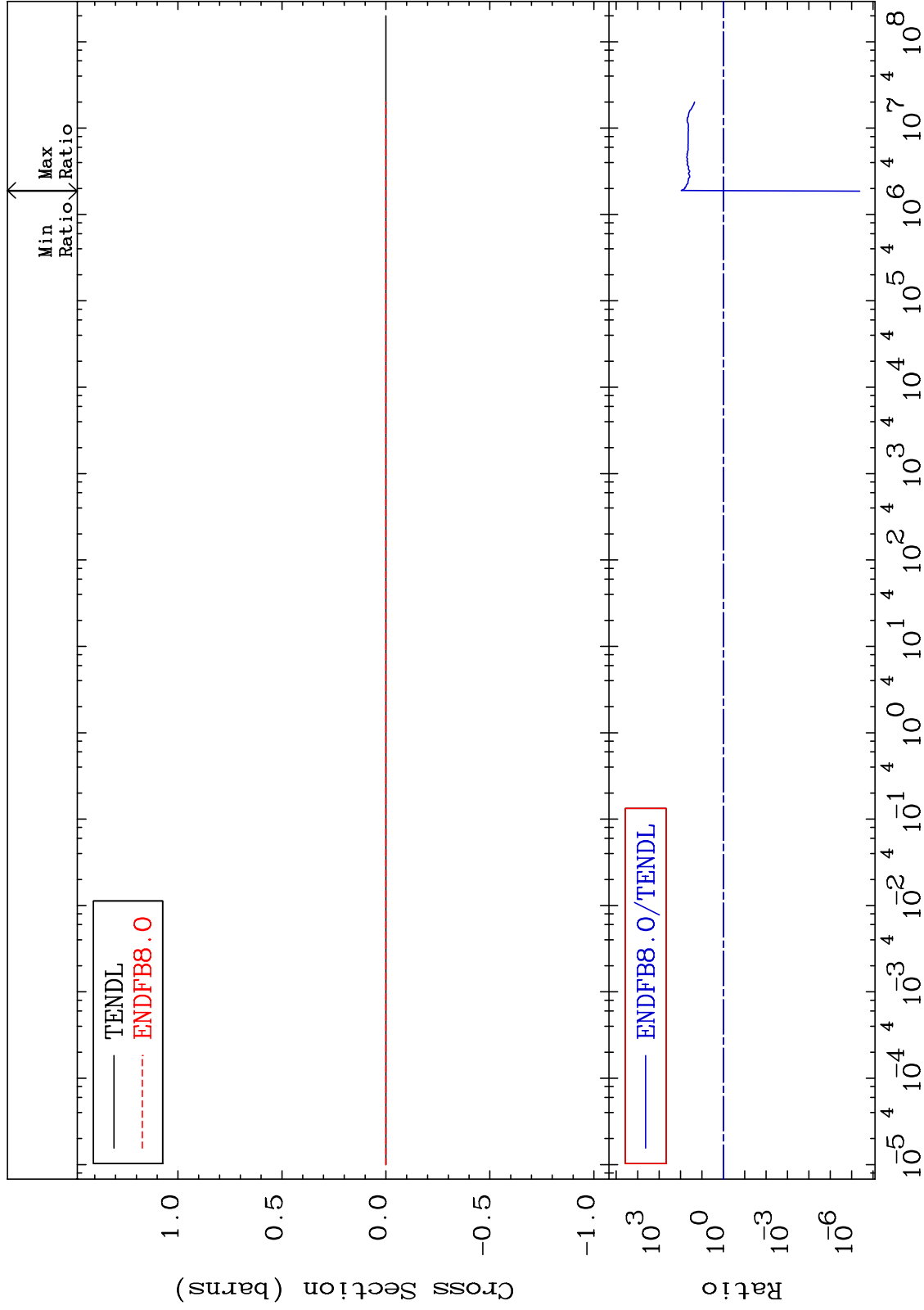




MAT 3837

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

38-Sr-88
-100.0 To 9056. %



45

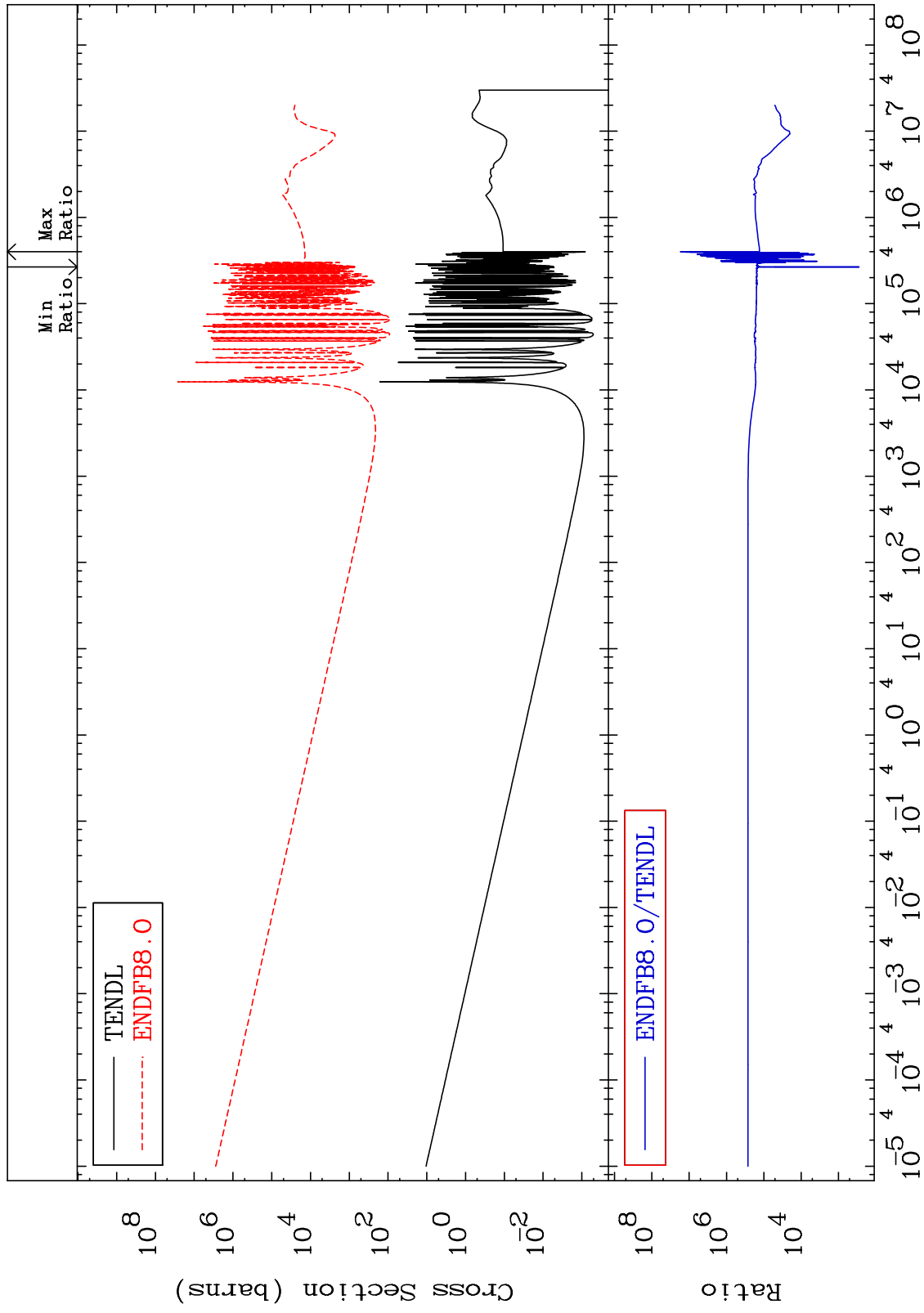
Incident Energy (eV)

38-Sr-88

MAT 3837

Kerma capture (mt102)
Cross Section

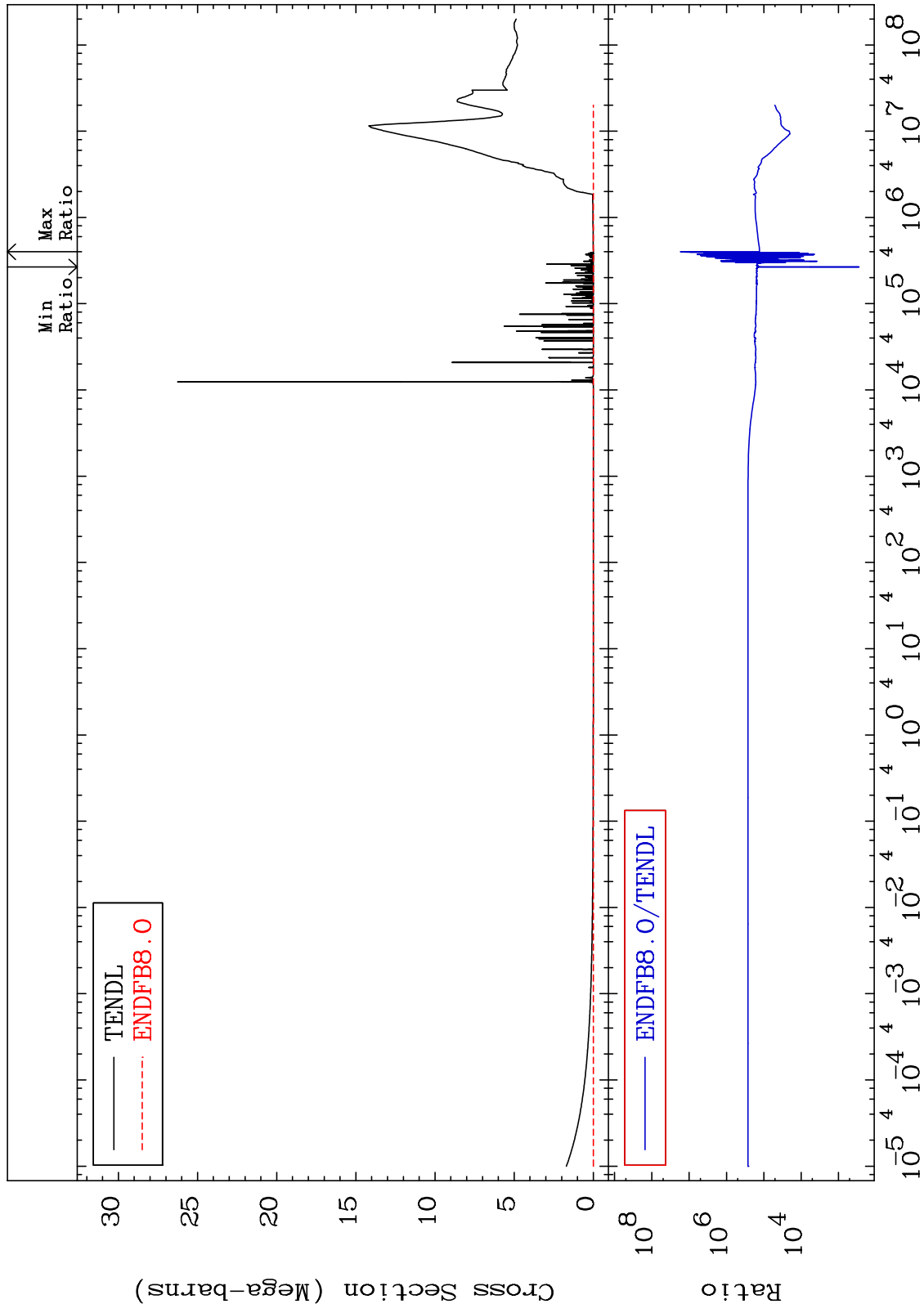
38-Sr-88
9999. To 9999. %



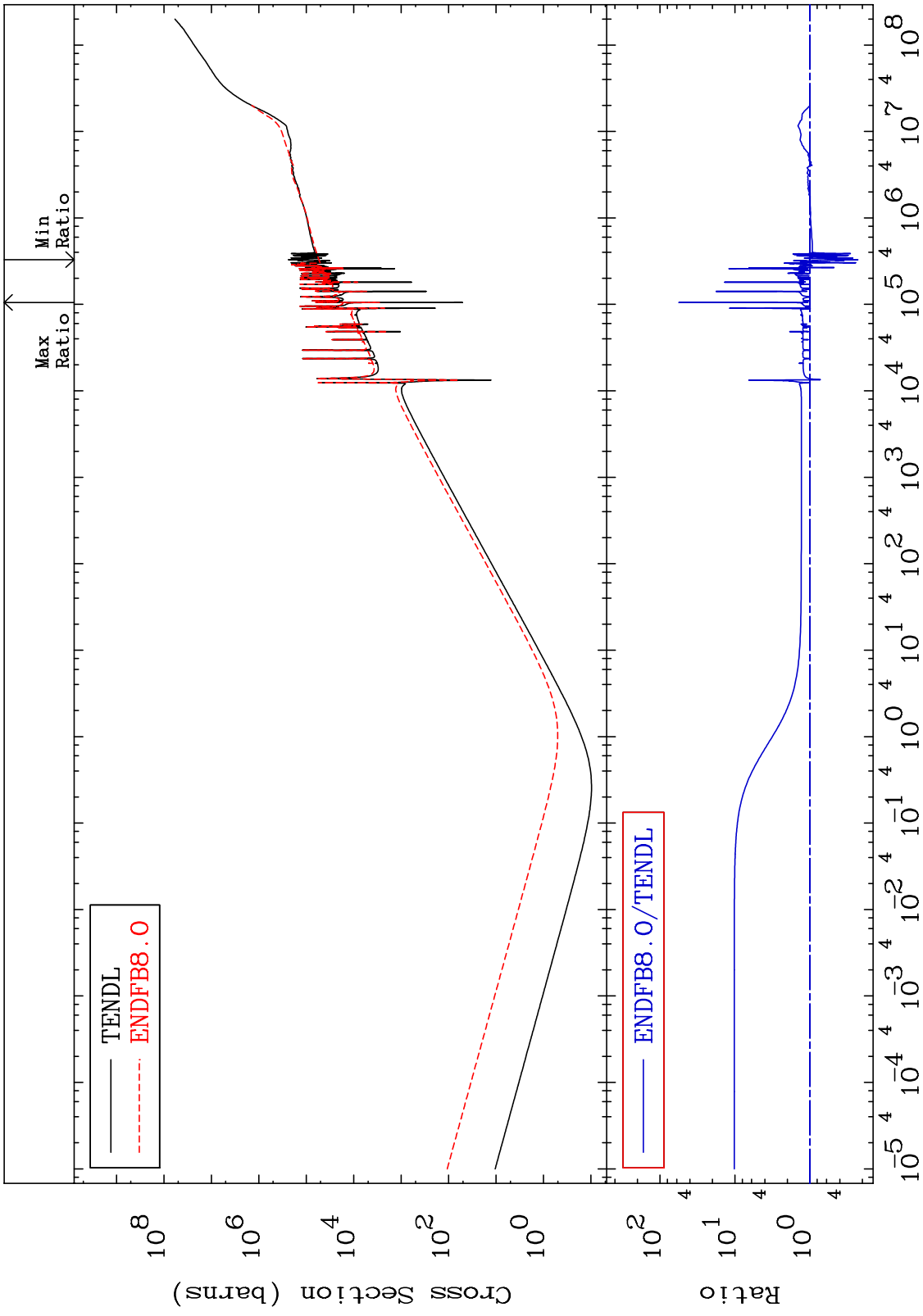
MAT 3837

Total photon (eV-barns)
Cross Section

38-Sr-88
9999. To 9999. %



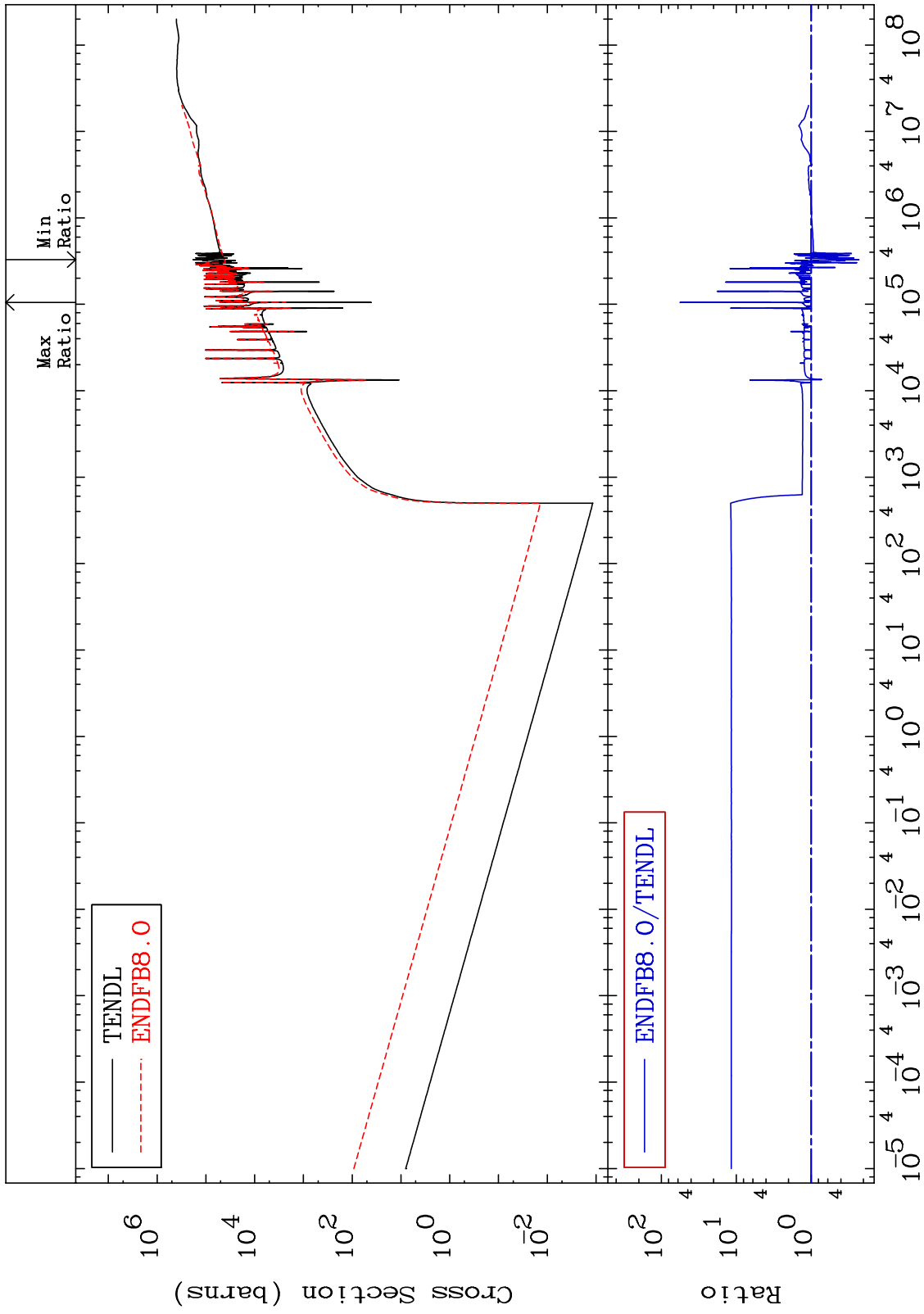
MAT 3837 Total kinematic kerma (high limit) 38-Sr-88
 Cross Section -77.04 To 5481. %



MAT 3837

Dpa total (eV-barns)
Cross Section

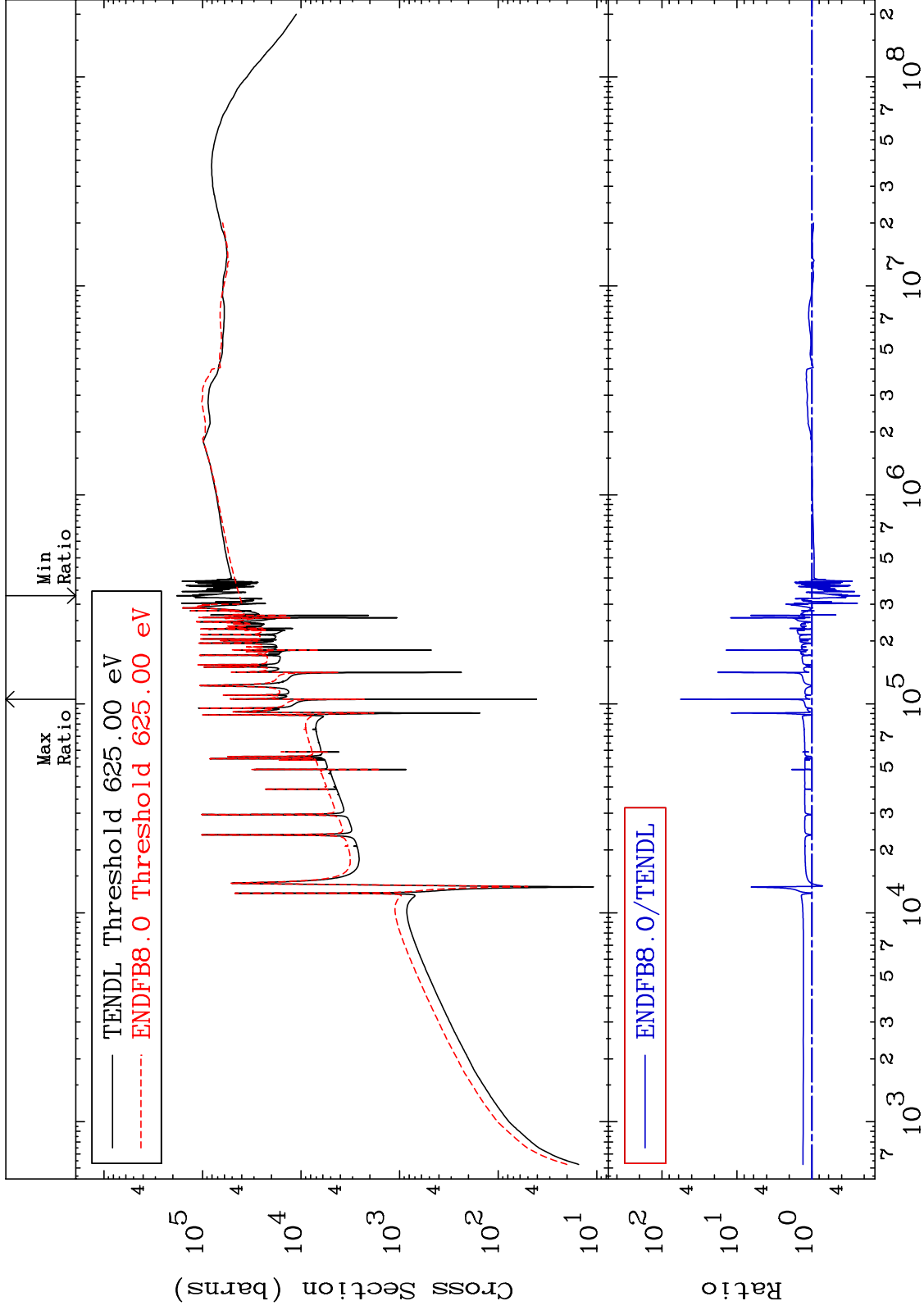
38-Sr-88
-76.97 To 5492. %

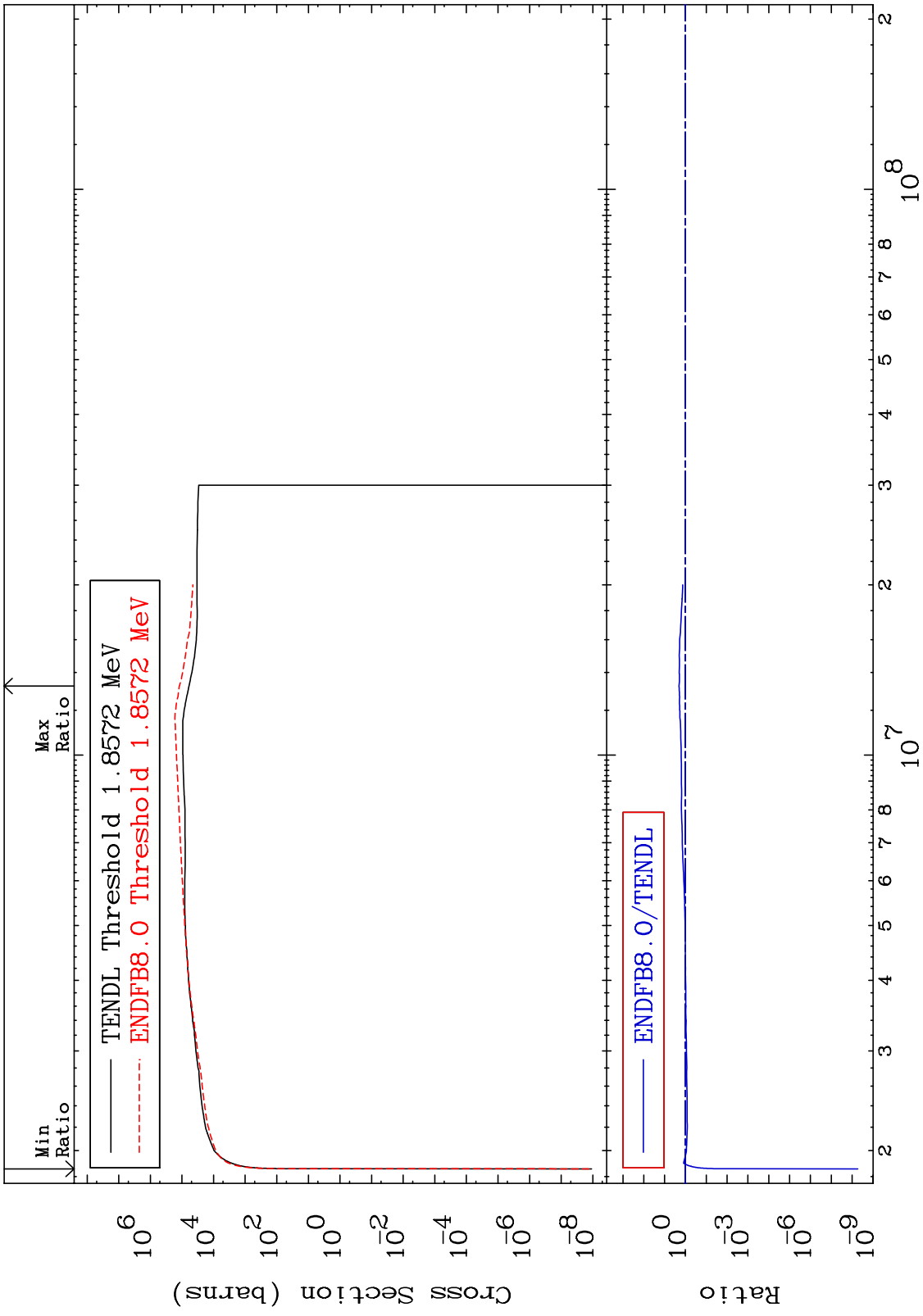


MAT 3837

Dpa elastic (mt2)
Cross Section

38-Sr-88
-76.97 To 5503. %





MAT 3837

Dpa disappearance (mt102 -120)
Cross Section

38-Sr-88
-85.72 To 9999. %

