

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

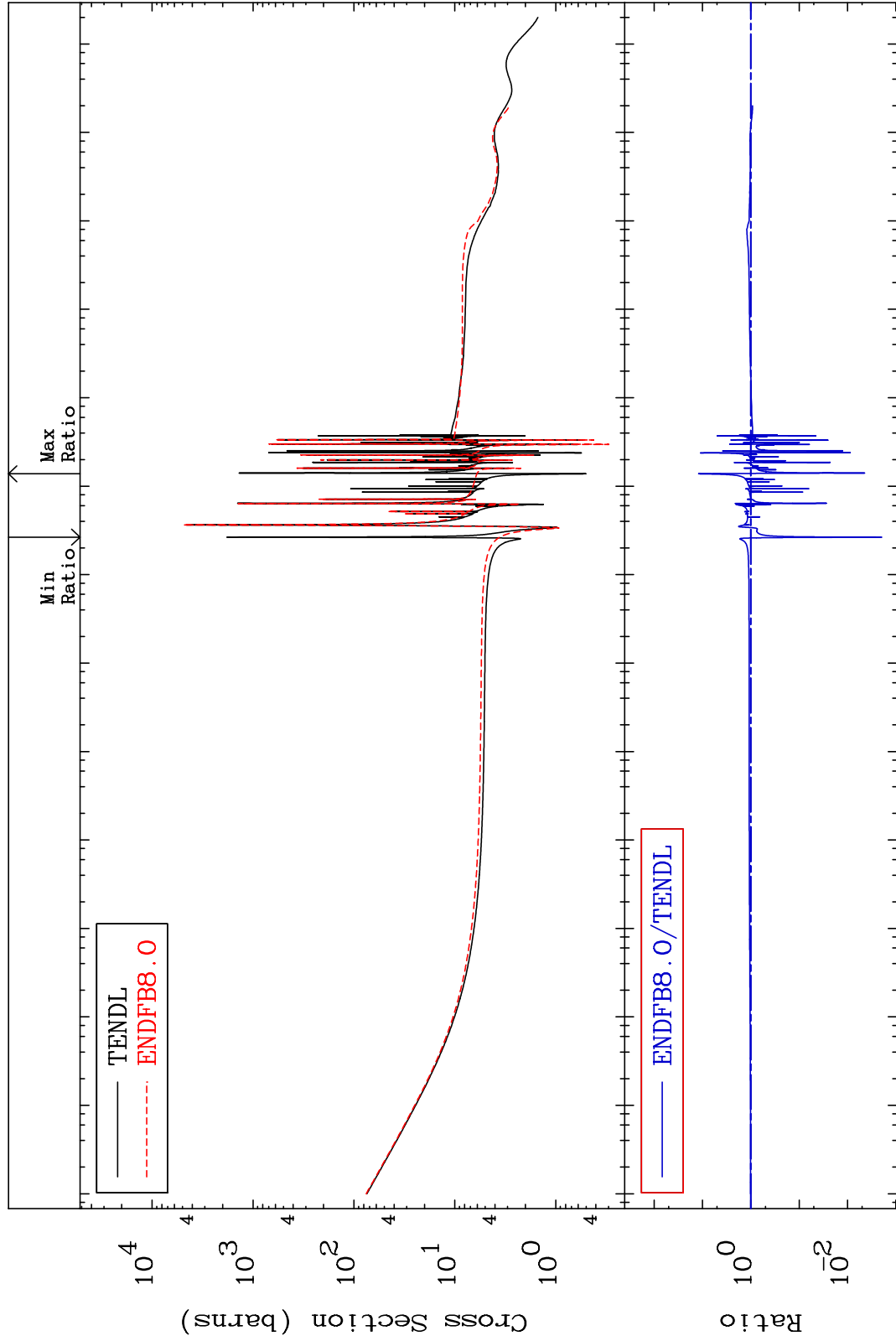
MAT 3825

Total

38-Sr-84

Cross Section

-99.80 To 1098. %



Incident Energy (eV)

38-Sr-84

1

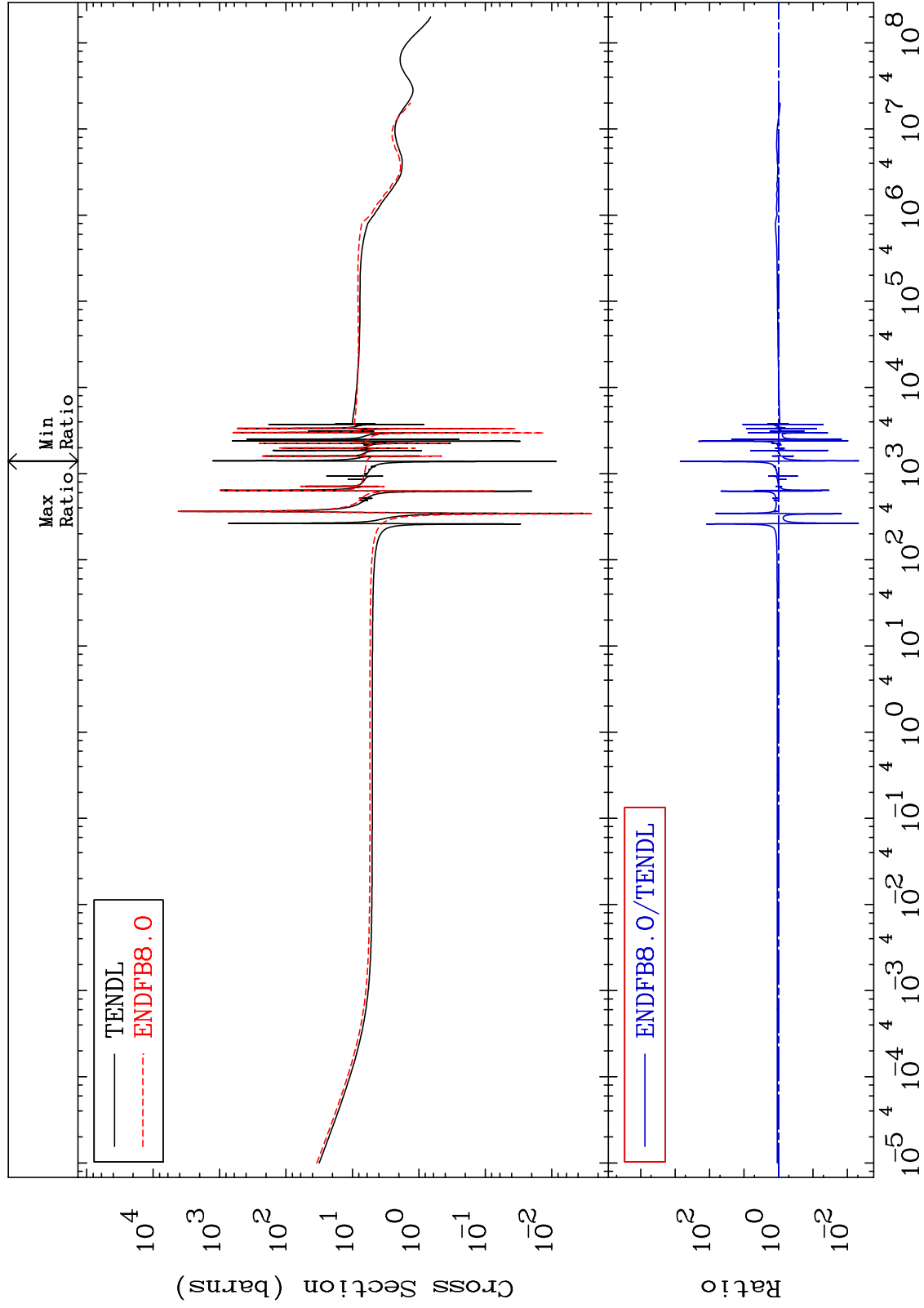
MAT 3825

Elastic

Cross Section

38-Sr-84

-99.52 To 9999. %



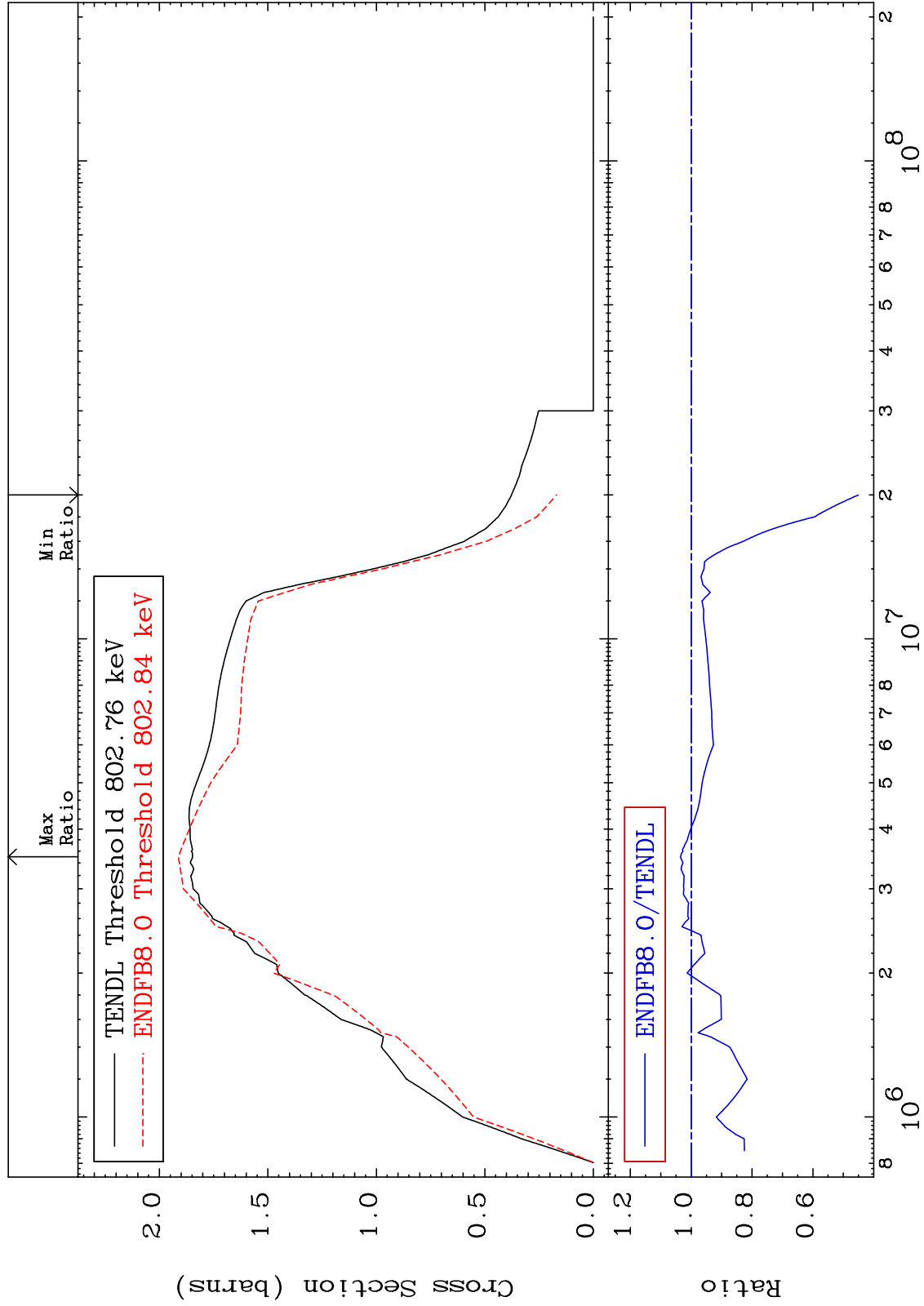
MAT 3825

Inelastic

38-Sr-84

-55.01 To 3.543 %

Cross Section



Incident Energy (eV)

38-Sr-84

3

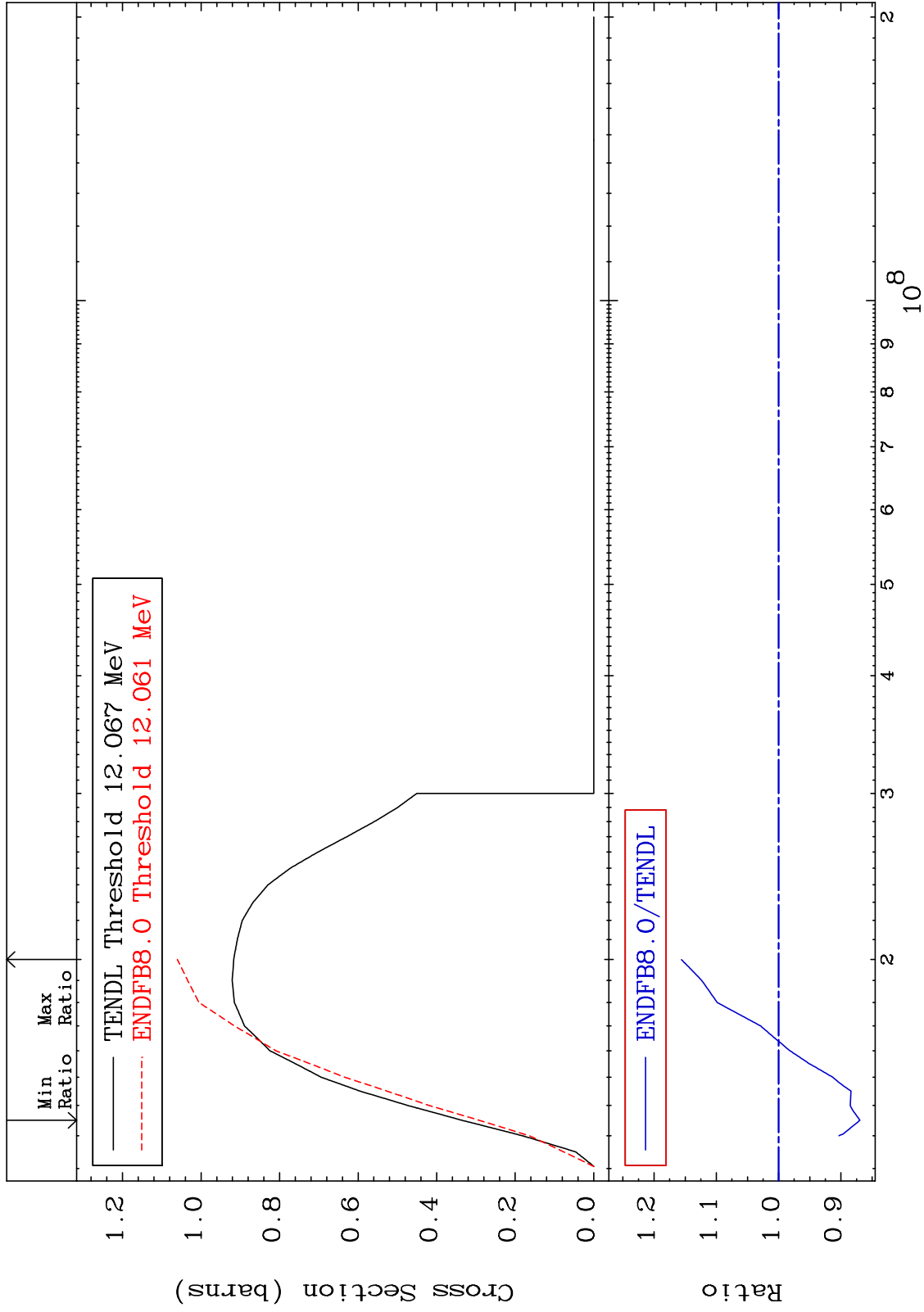
MAT 3825

(n,2n)

38-Sr-84

Cross Section

-13.05 To 15.64 %



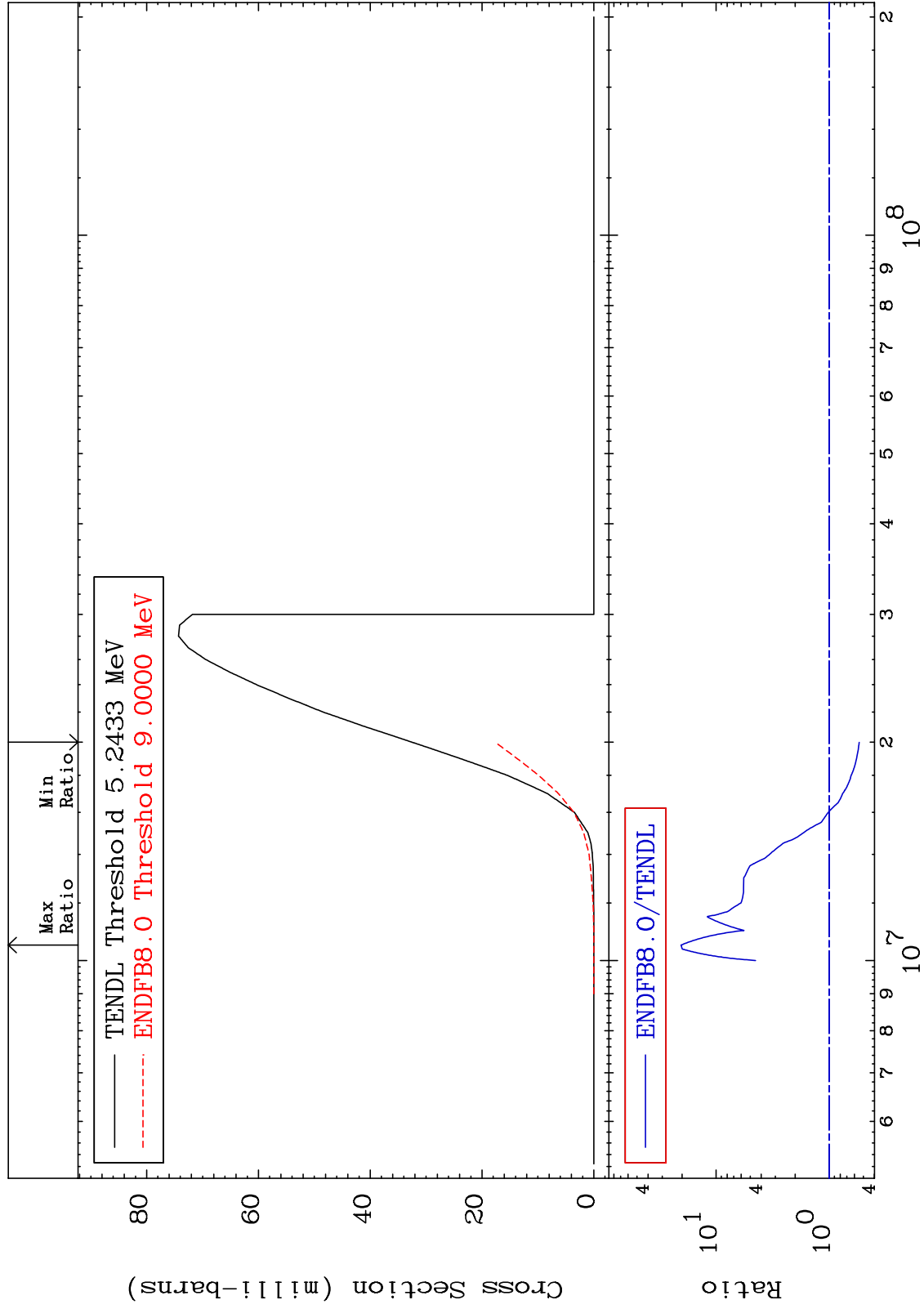
MAT 3825

$(n, n') \alpha$

38-Sr-84

Cross Section

-45.73 To 1942. %



5

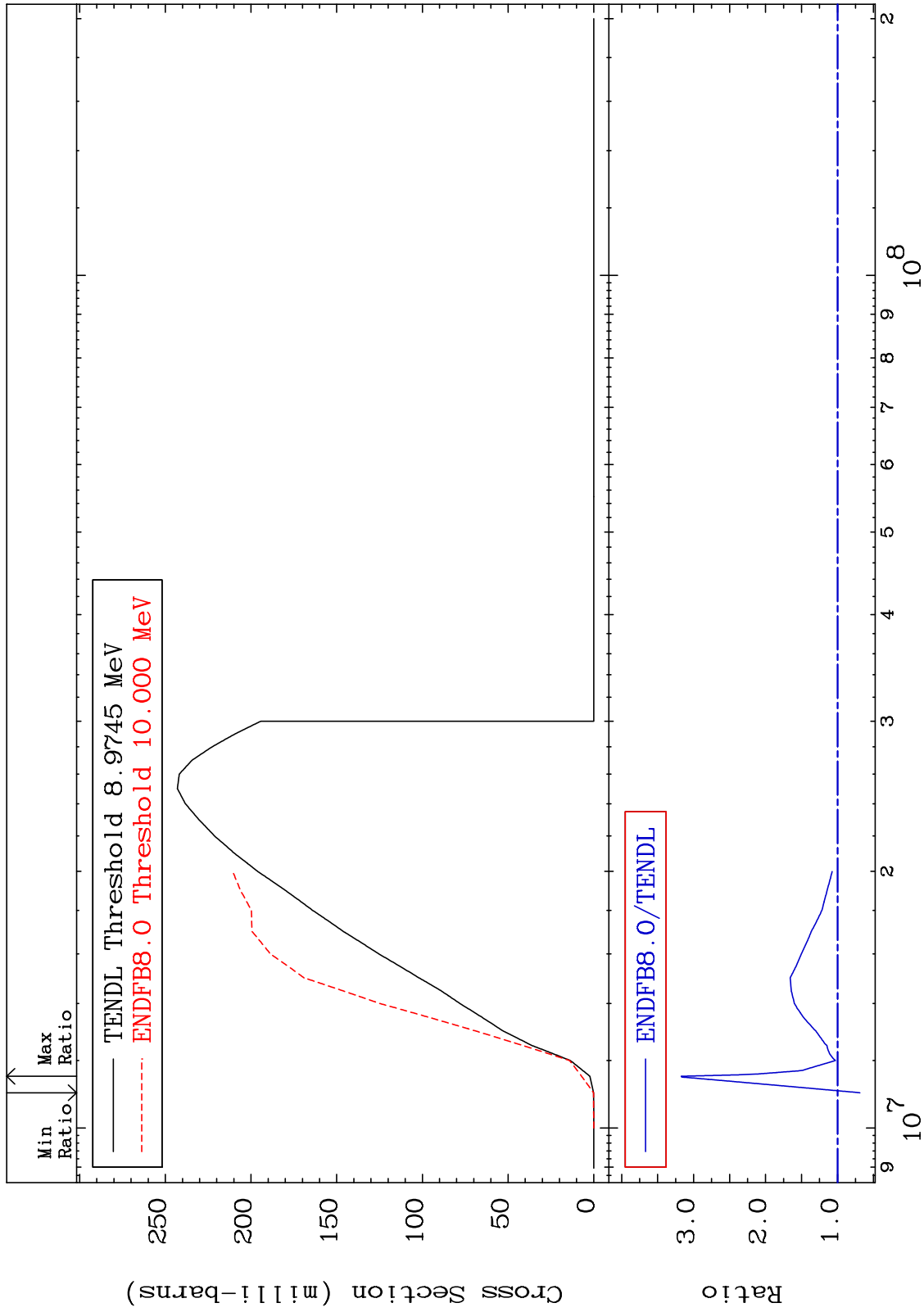
Incident Energy (eV)

38-Sr-84

MAT 3825

(n,n') p
Cross Section

38-Sr-84
-31.11 To 217.2 %



38-Sr-84

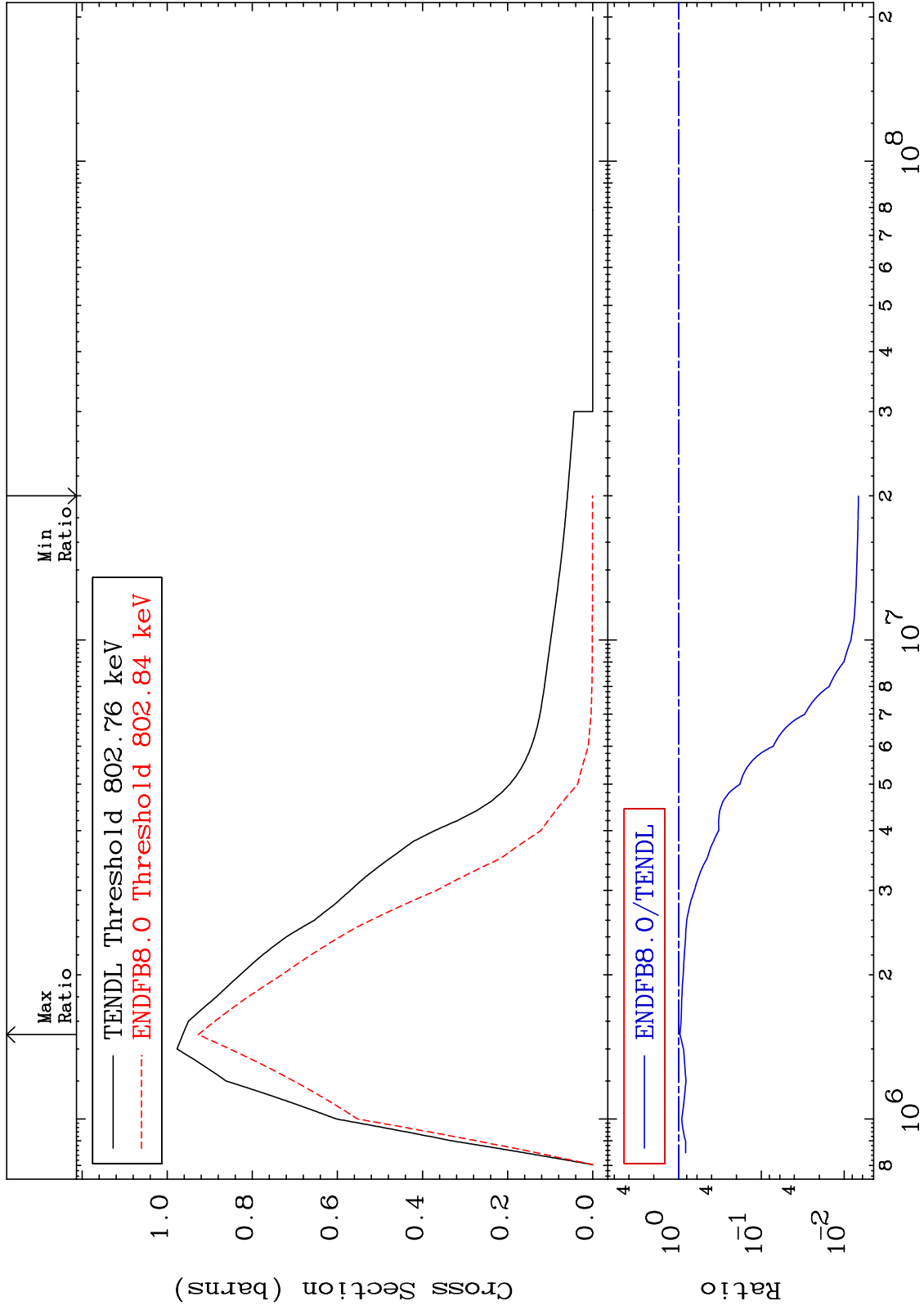
Incident Energy (eV)

6

MAT 3825

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

38-Sr-84
-99.33 To -3.758%



38-Sr-84

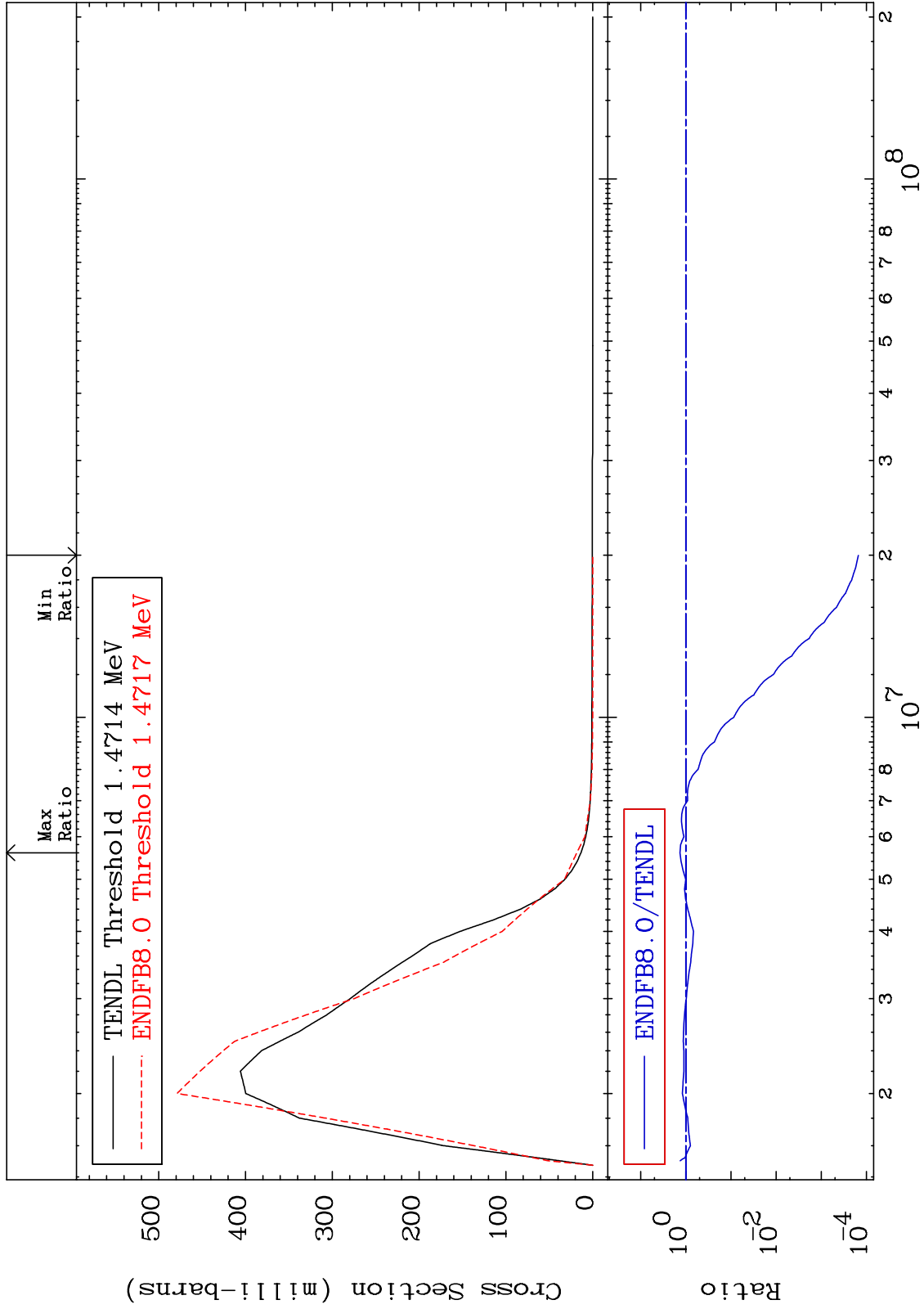
Incident Energy (eV)

7

MAT 3825

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

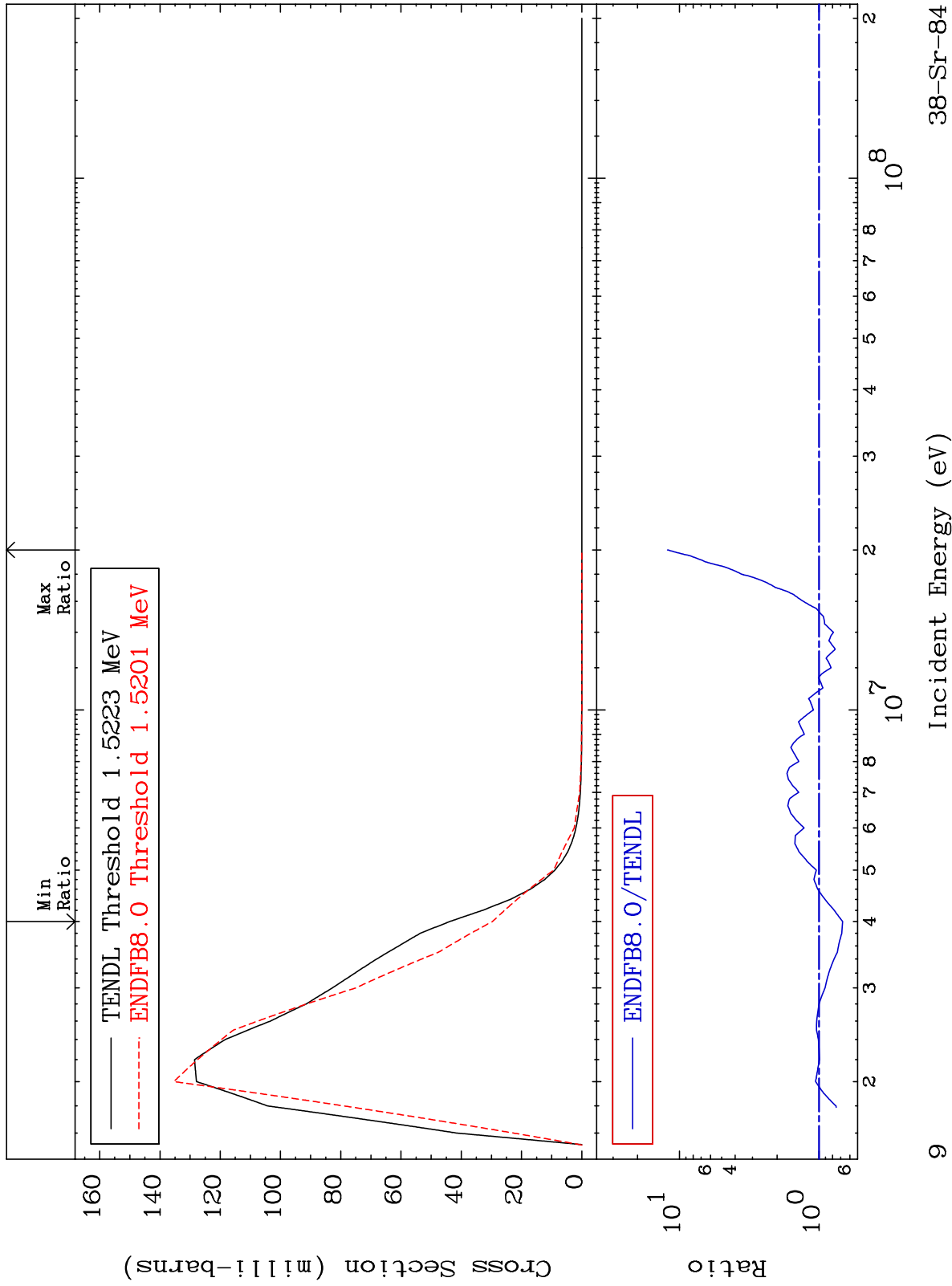
38-Sr-84
-99.98 To 35.20 %



MAT 3825

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

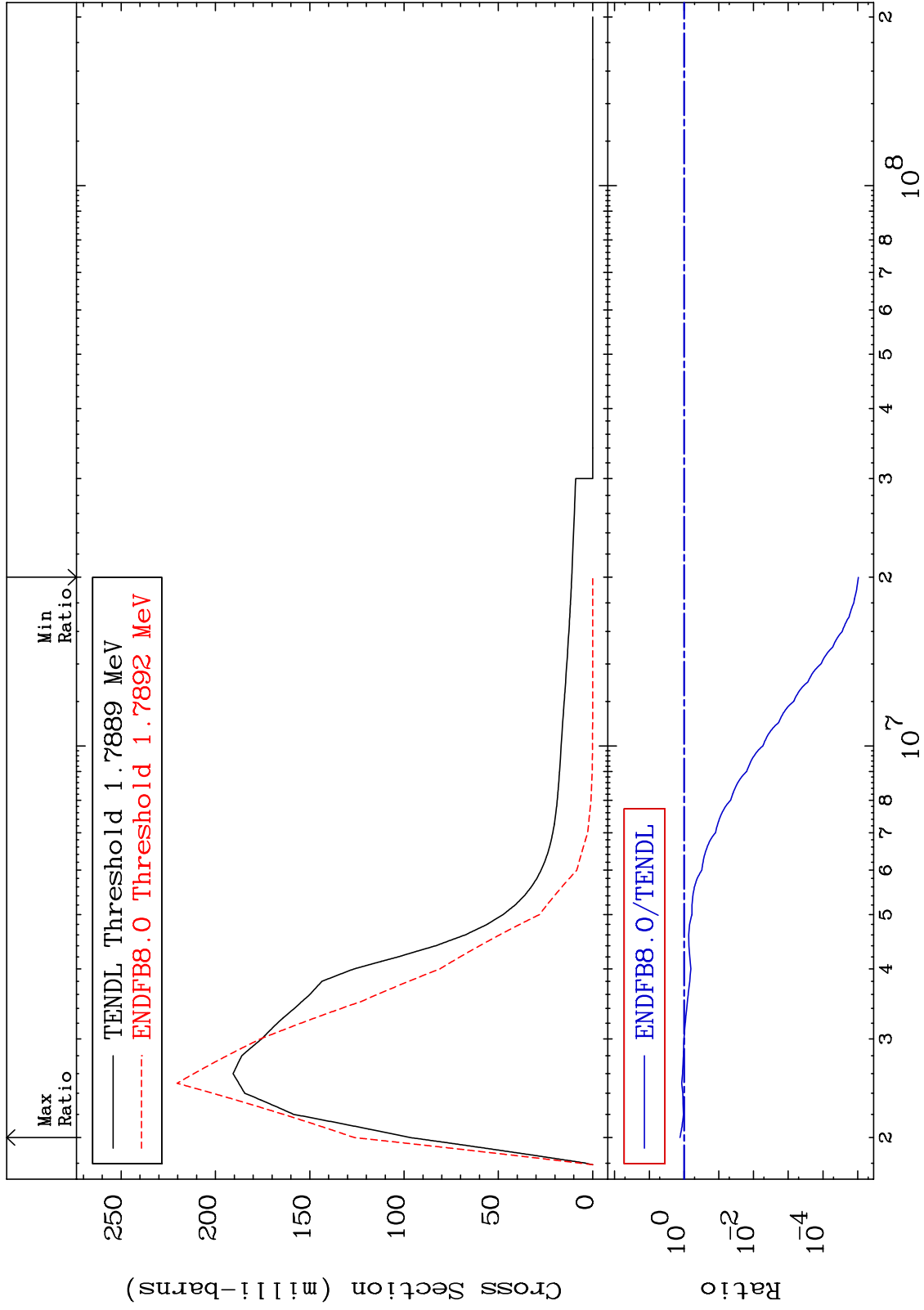
38-Sr-84
-32.28 To 1119. %



MAT 3825

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

38-Sr-84
-100.0 To 30.61 %



10

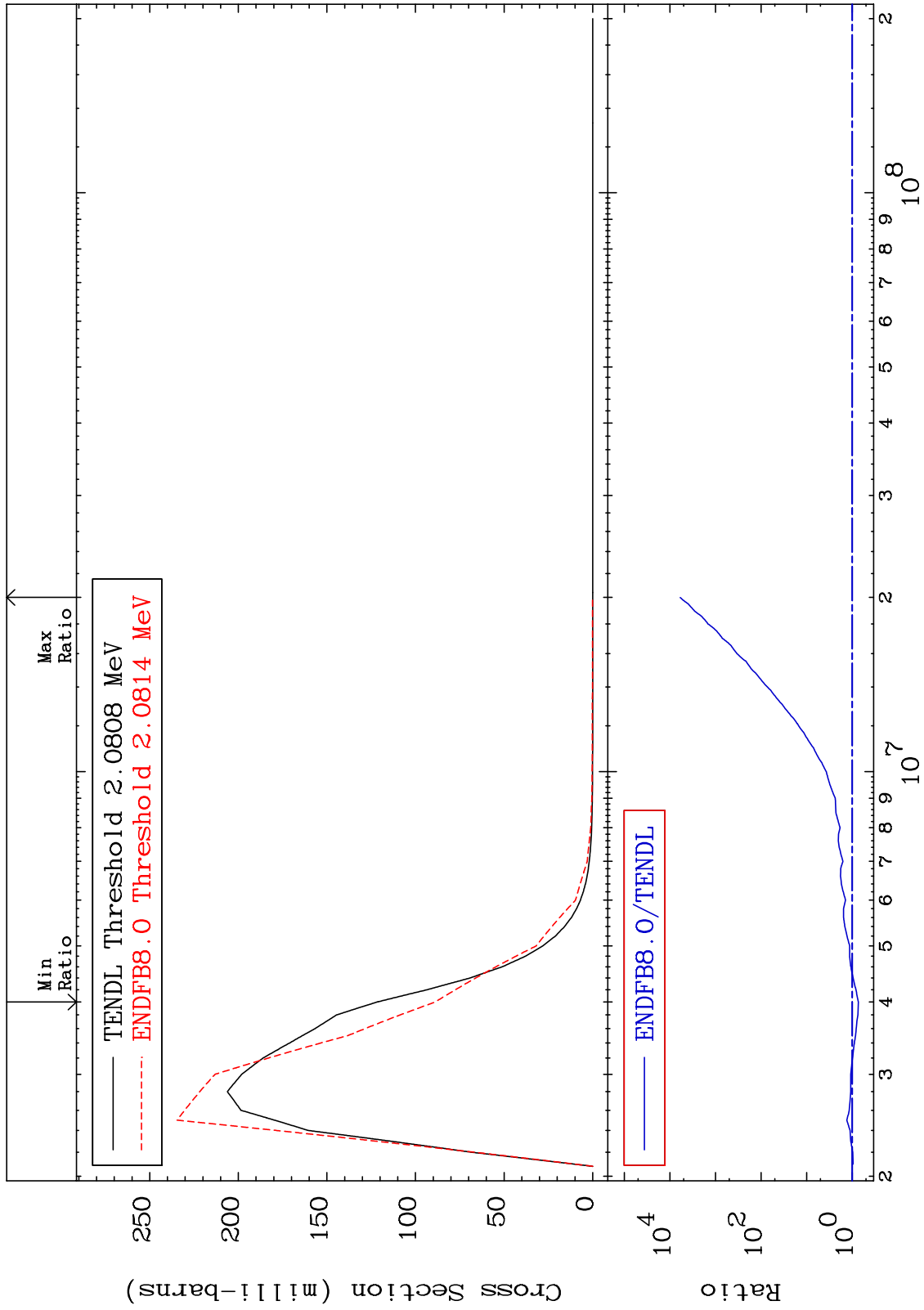
Incident Energy (eV)

38-Sr-84

MAT 3825

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

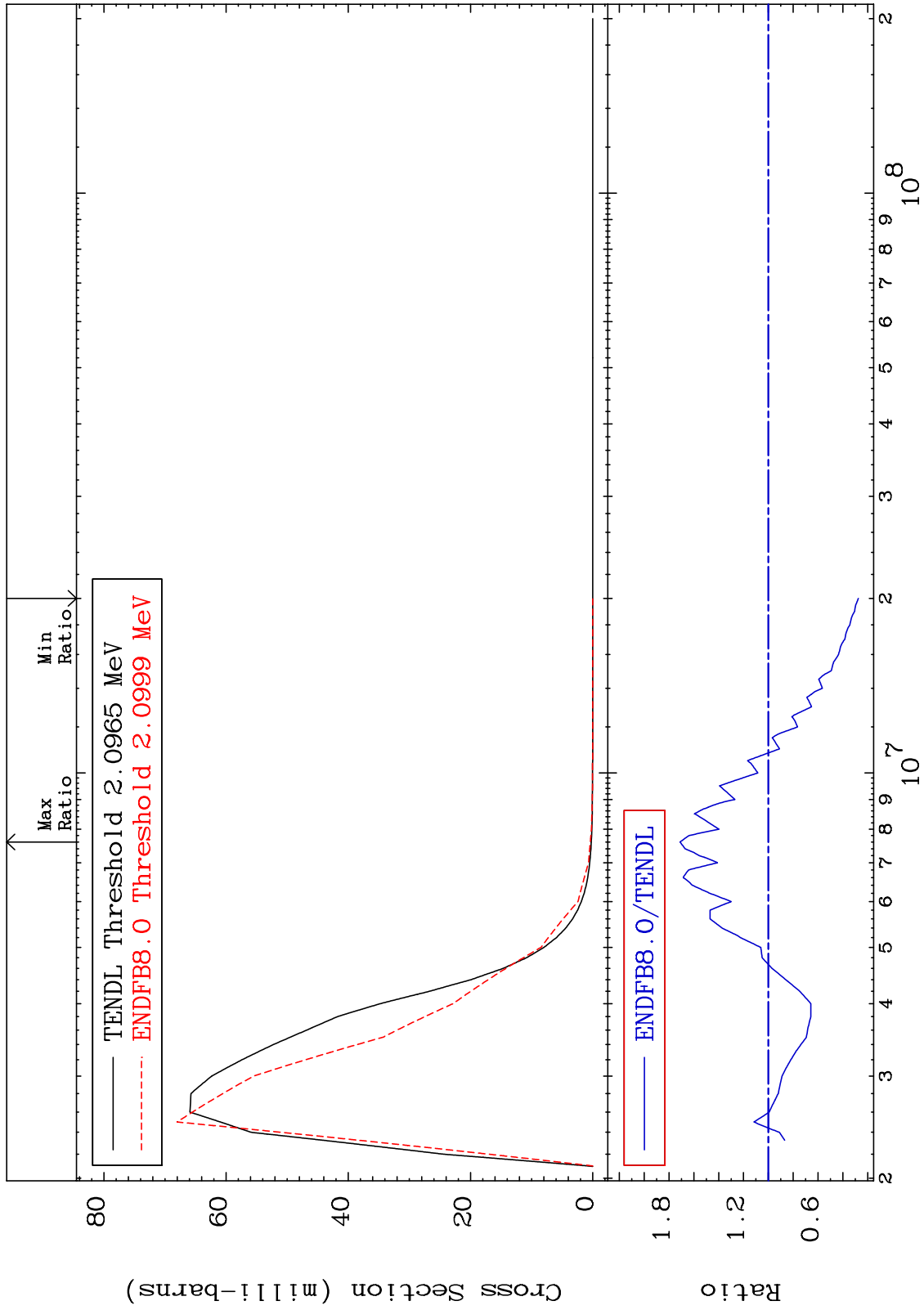
38-Sr-84
-26.94 To 9999. %



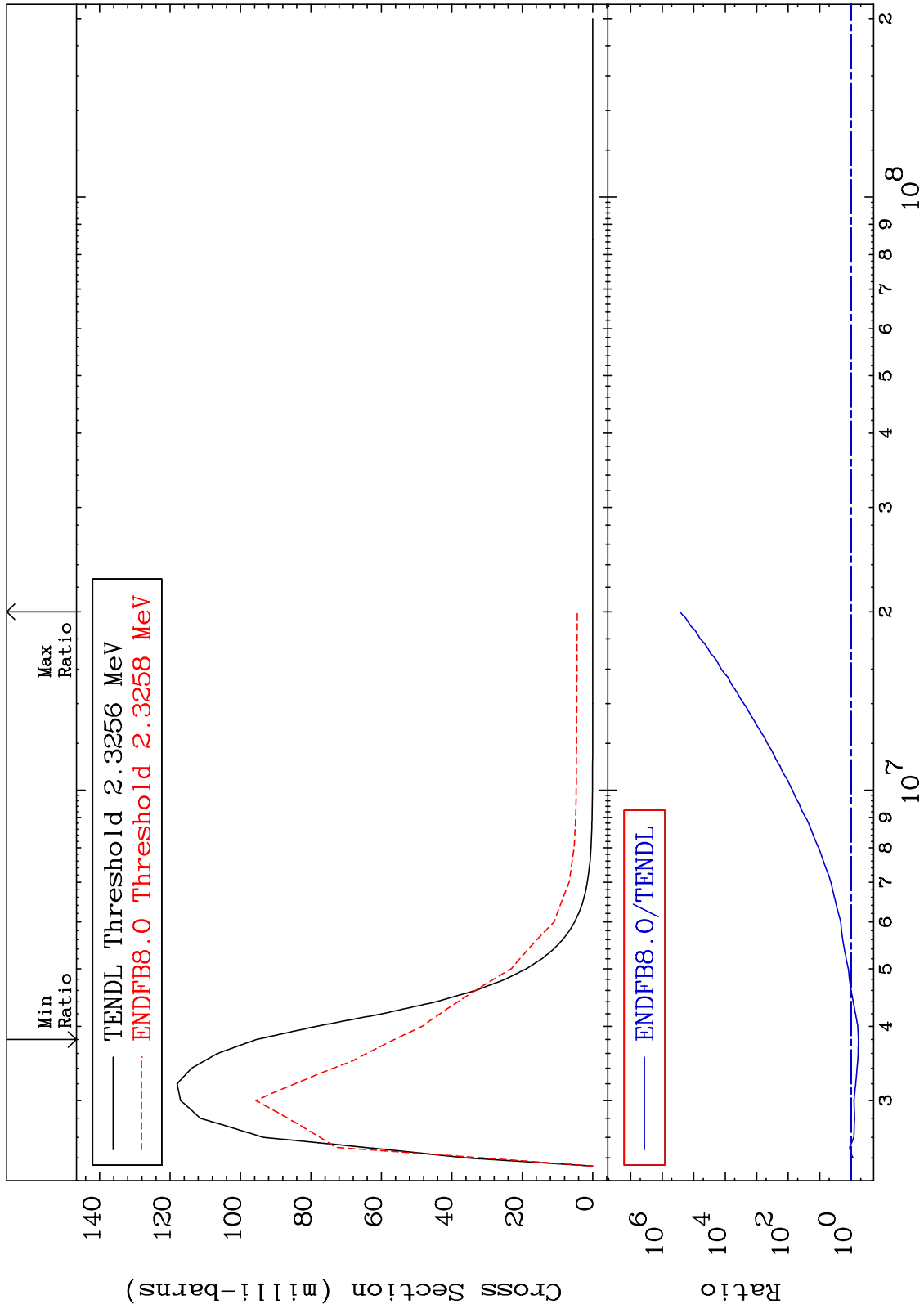
MAT 3825

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

38-Sr-84
-72.55 To 71.15 %



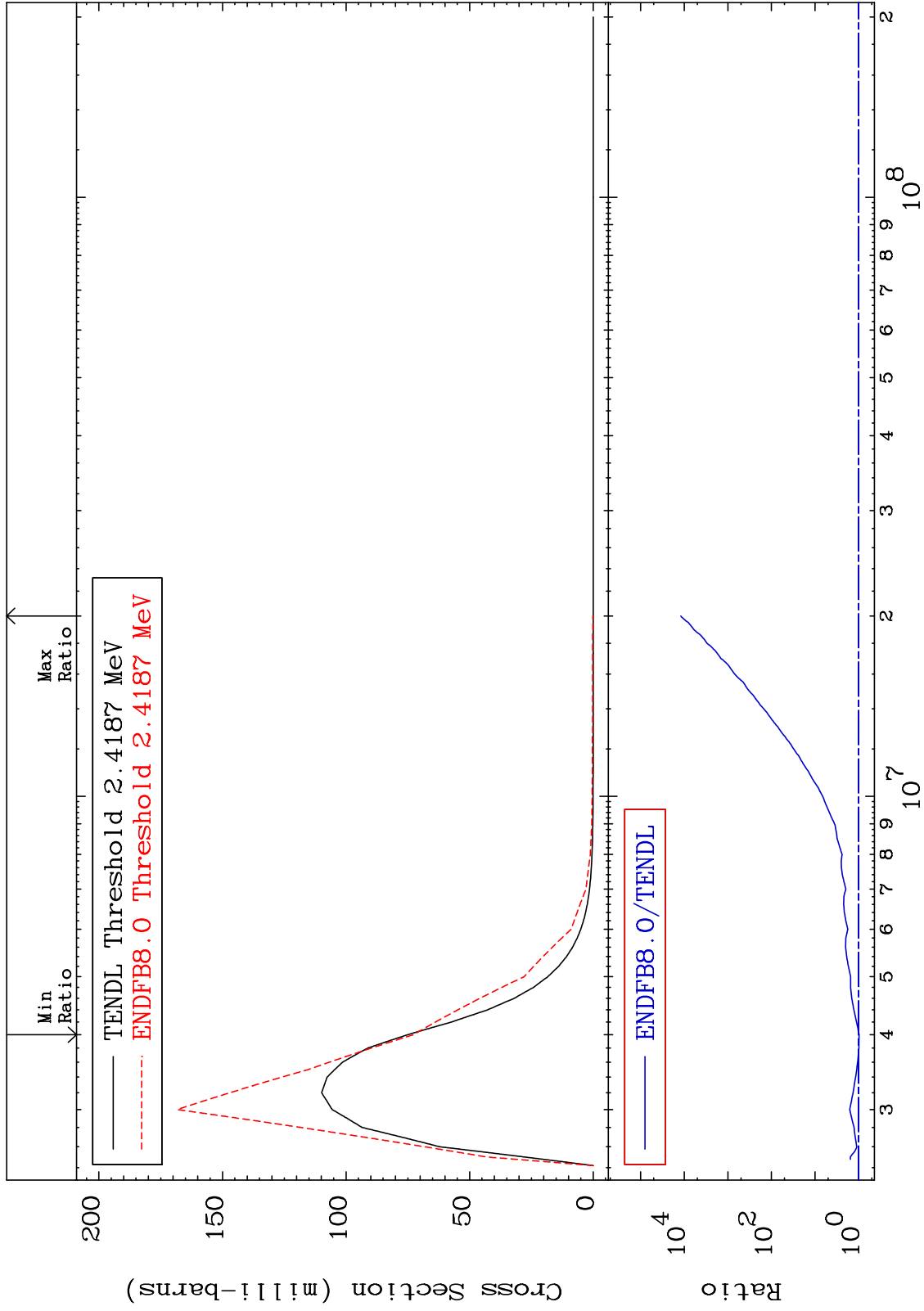
MAT 3825 MT= 57 (n,n') Level 38-Sr-84
 Cross Section -41.03 To 9999. %



MAT 3825

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

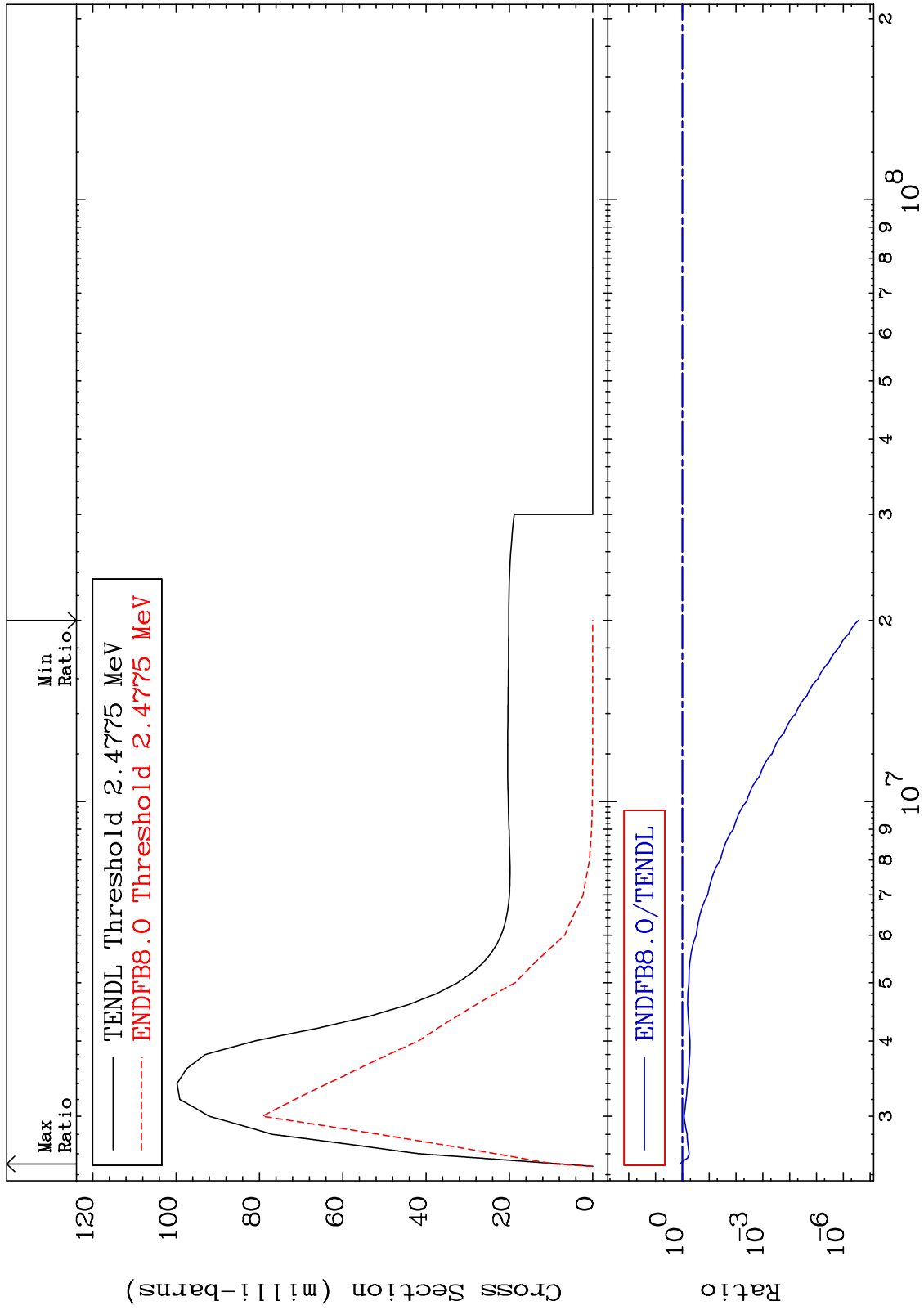
38-Sr-84
-3.076 To 9999. %



MAT 3825

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

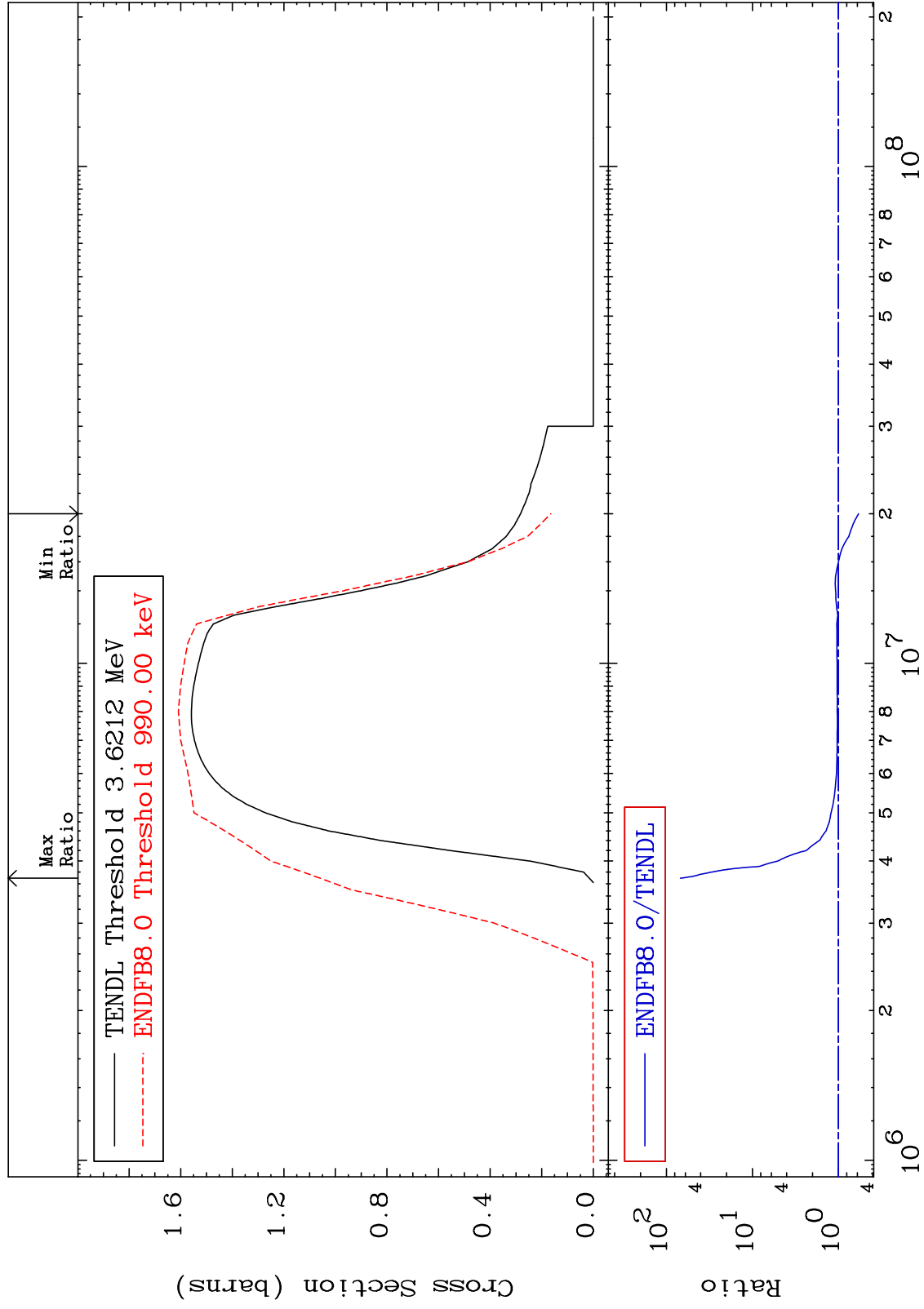
38-Sr-84
-100.0 To 22.29 %



MAT 3825

(n, n') Continuum
Cross Section

38-Sr-84
-41.65 To 6764. %



38-Sr-84

Incident Energy (eV)

16

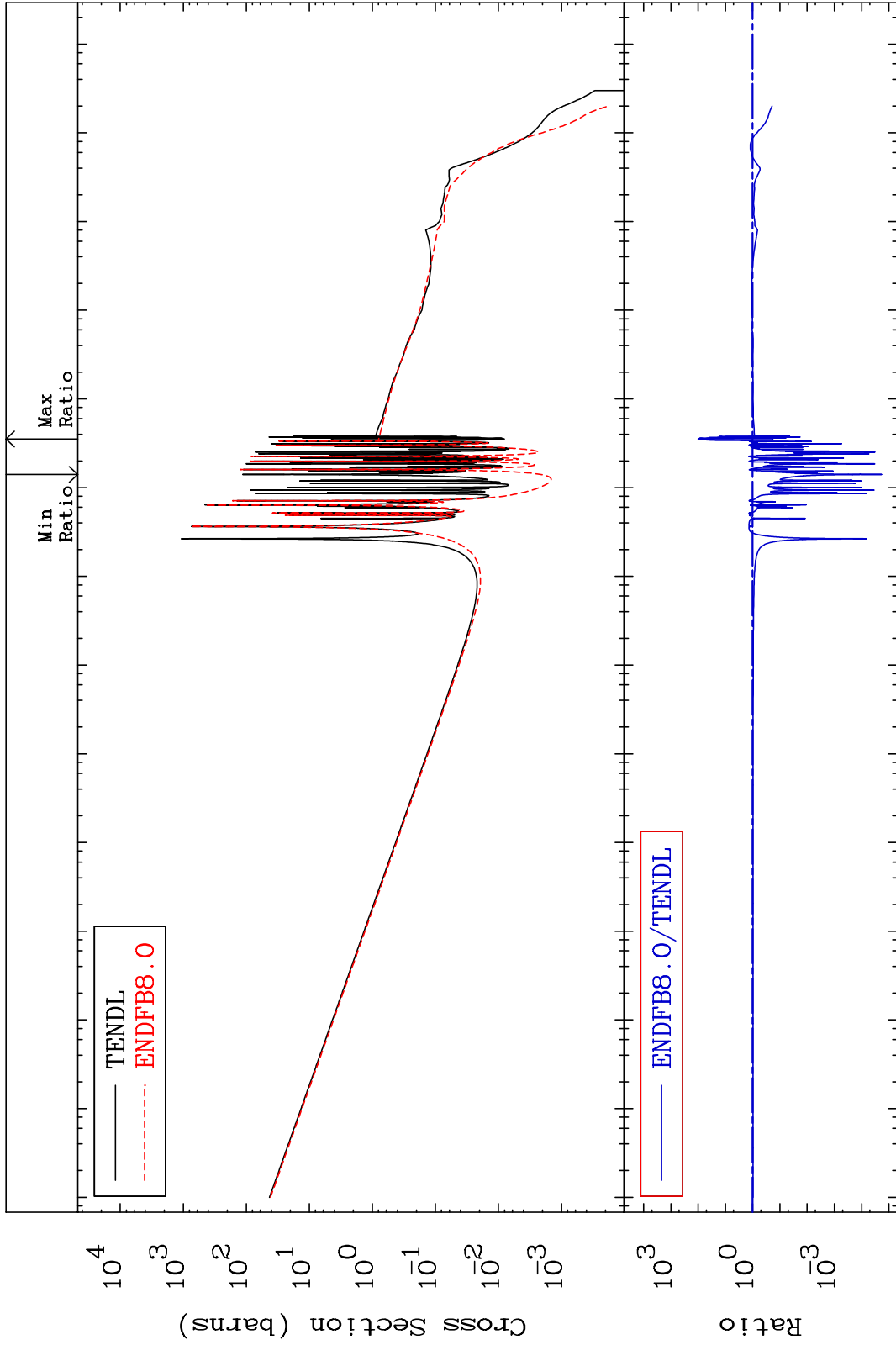
MAT 3825

(n, γ)

38-Sr-84

Cross Section

-100.0 To 9900. %



17

Incident Energy (eV)

38-Sr-84

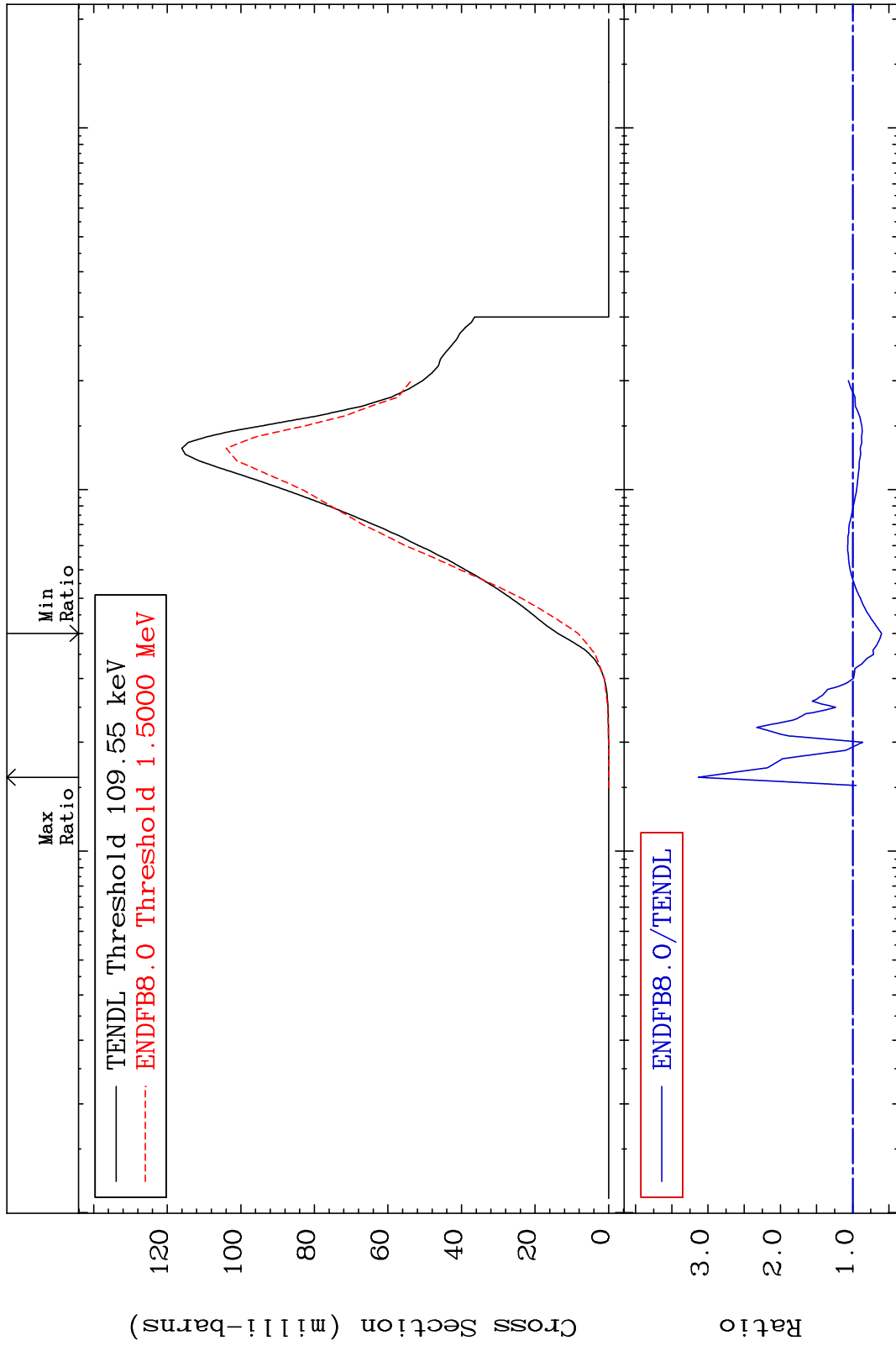
MAT 3825

(n, p)

38-Sr-84

Cross Section

-39.80 To 213.4 %



38-Sr-84

Incident Energy (eV)

18

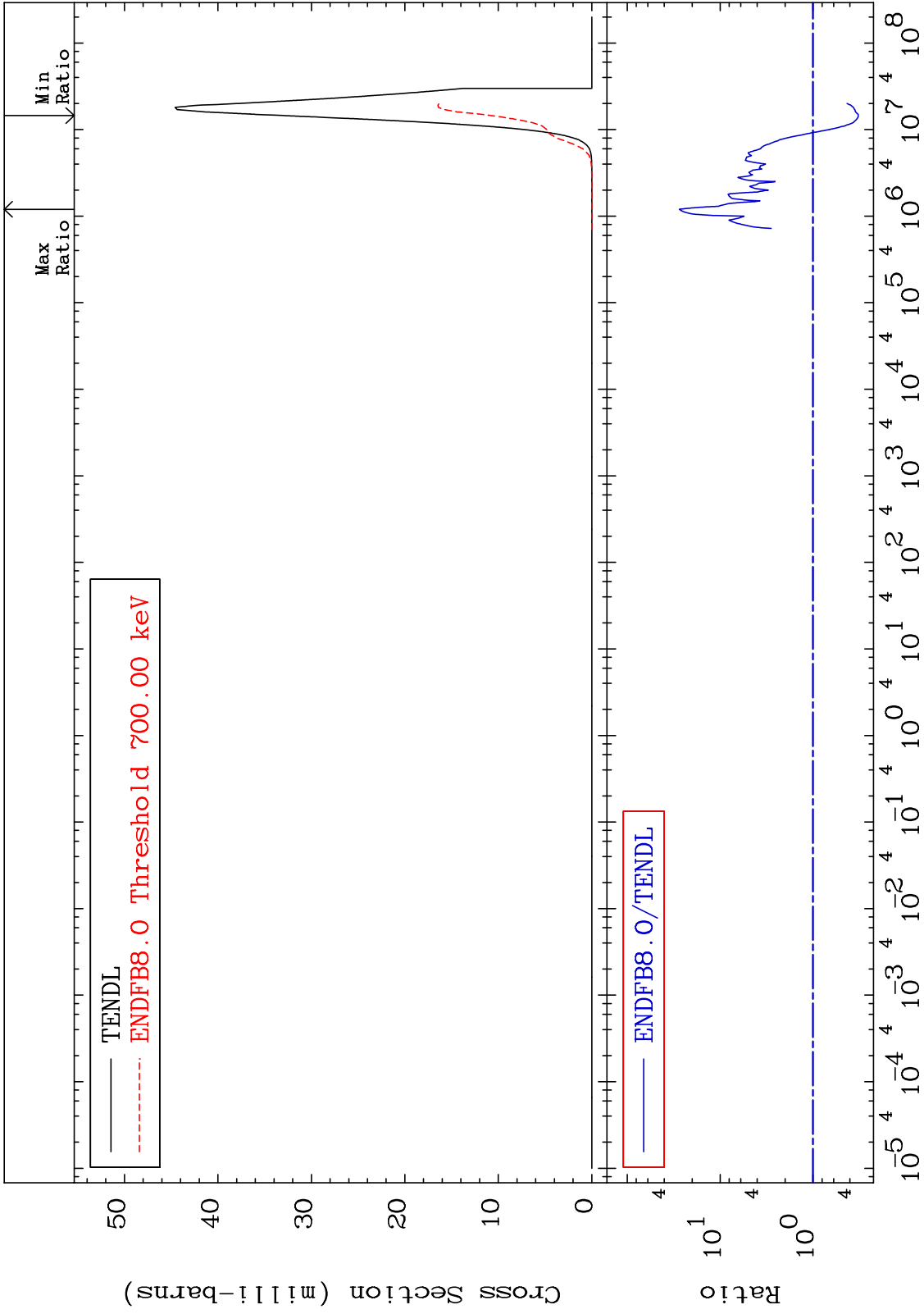
MAT 3825

(n, α)

38-Sr-84

Cross Section

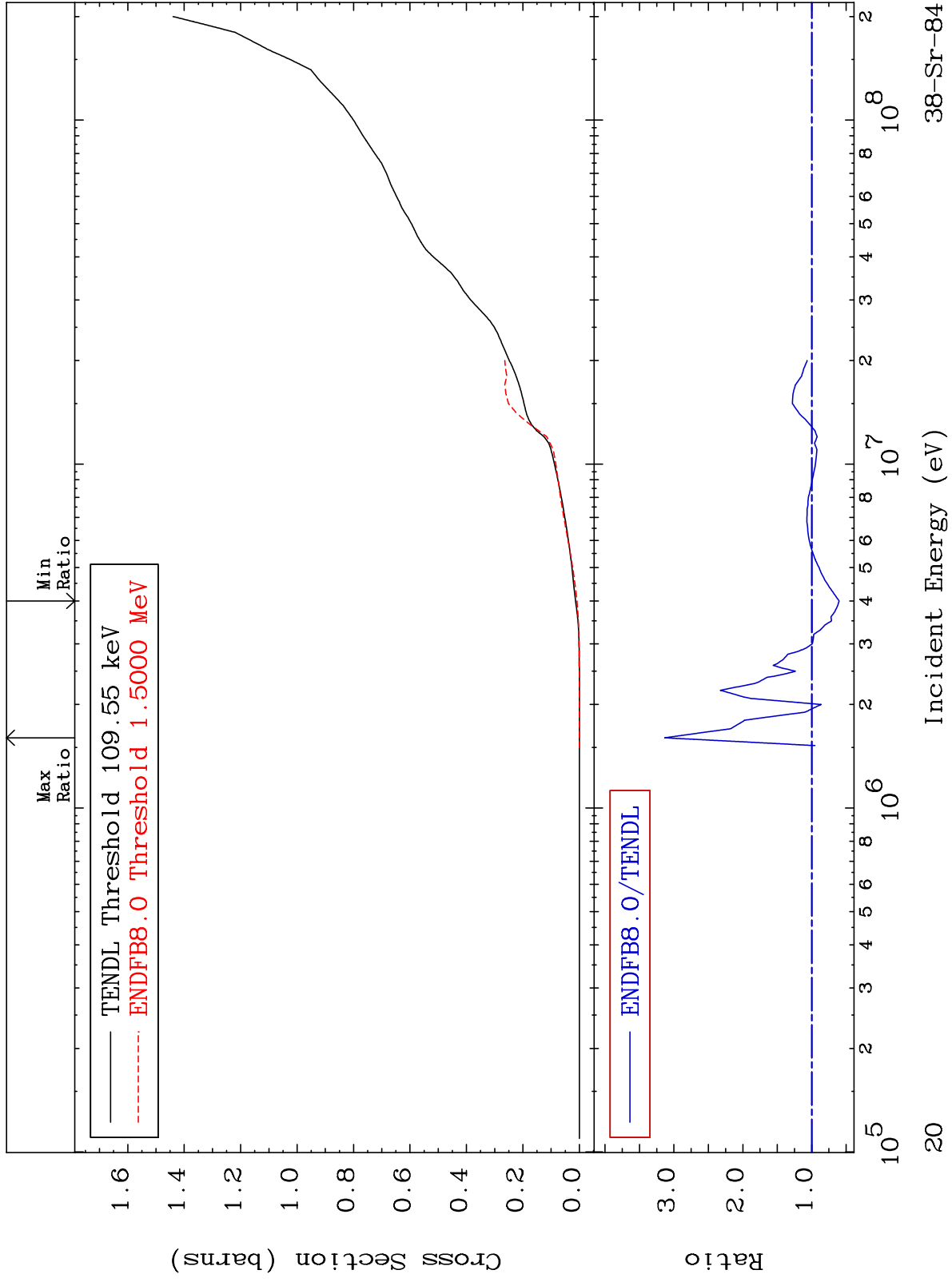
-67.41 To 2648. %



MAT 3825

Hydrogen Production
Cross Section

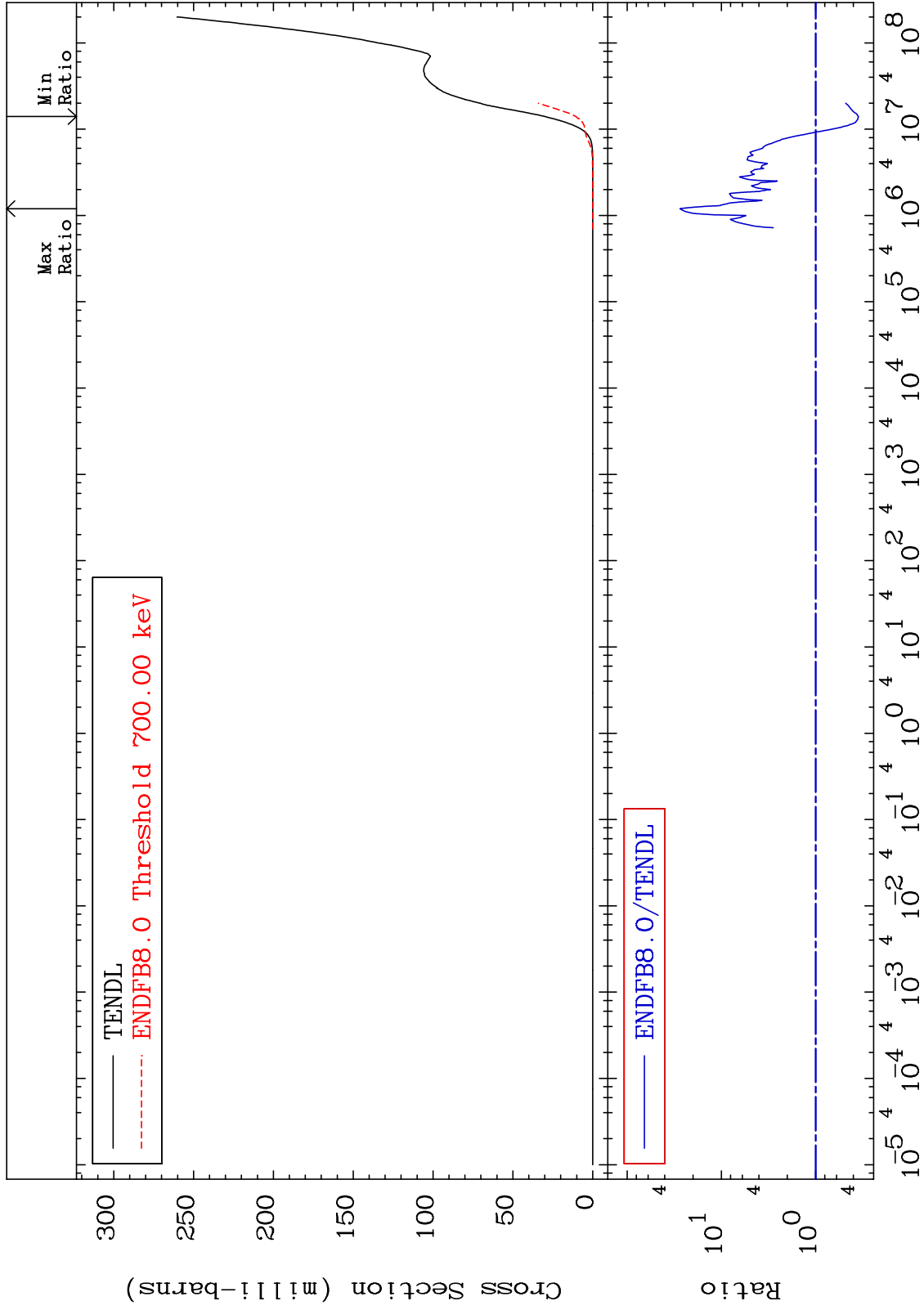
38-Sr-84
-39.80 To 213.4 %



MAT 3825

He-4 Production
Cross Section

38-Sr-84
-64.73 To 2648. %

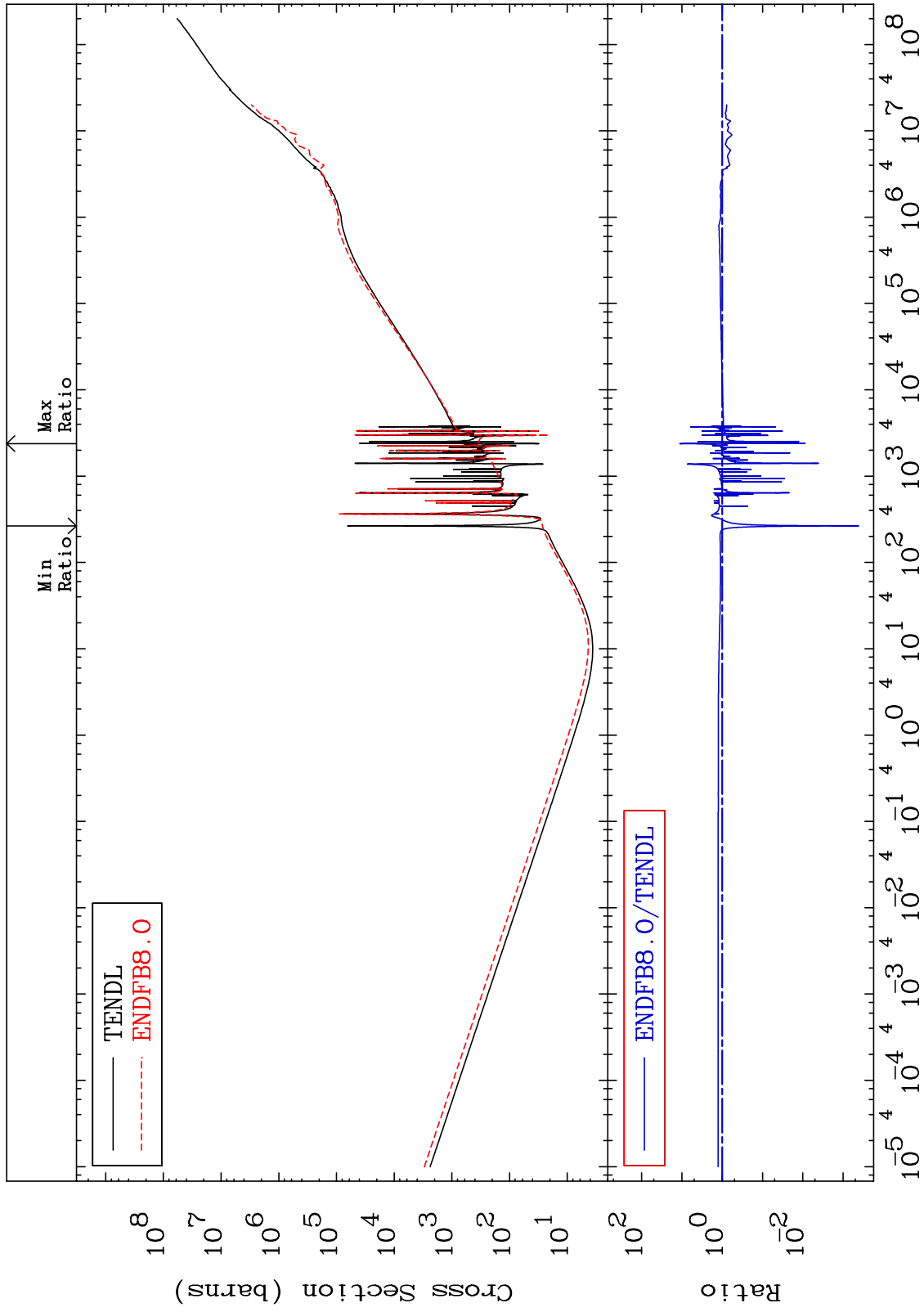


MAT 3825

Kerma total (eV-barns)
Cross Section

38-Sr-84

-99.96 To 1017. %



22

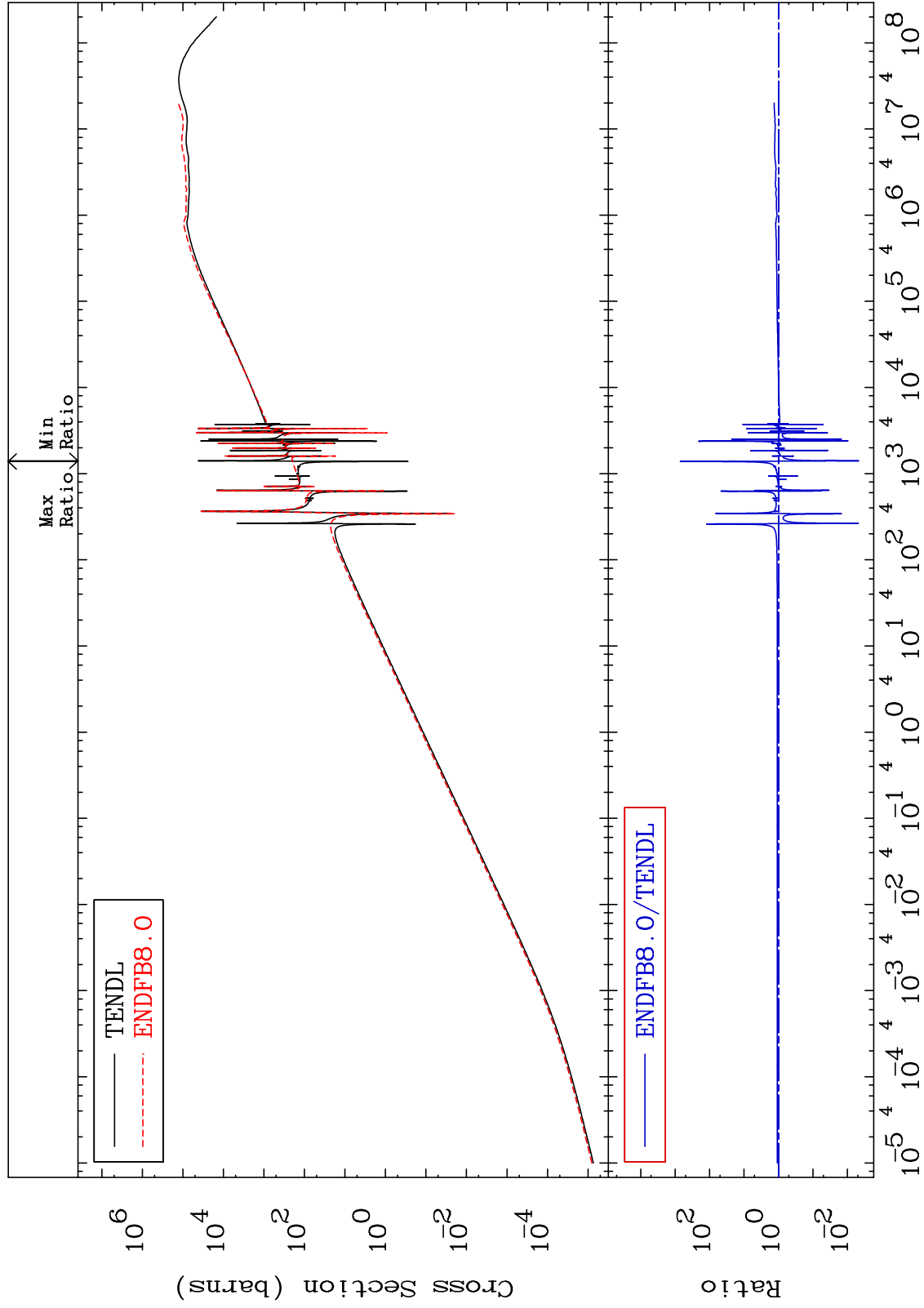
Incident Energy (eV)

38-Sr-84

MAT 3825

Kerma elastic
Cross Section

38-Sr-84
-99.52 To 9999. %



23

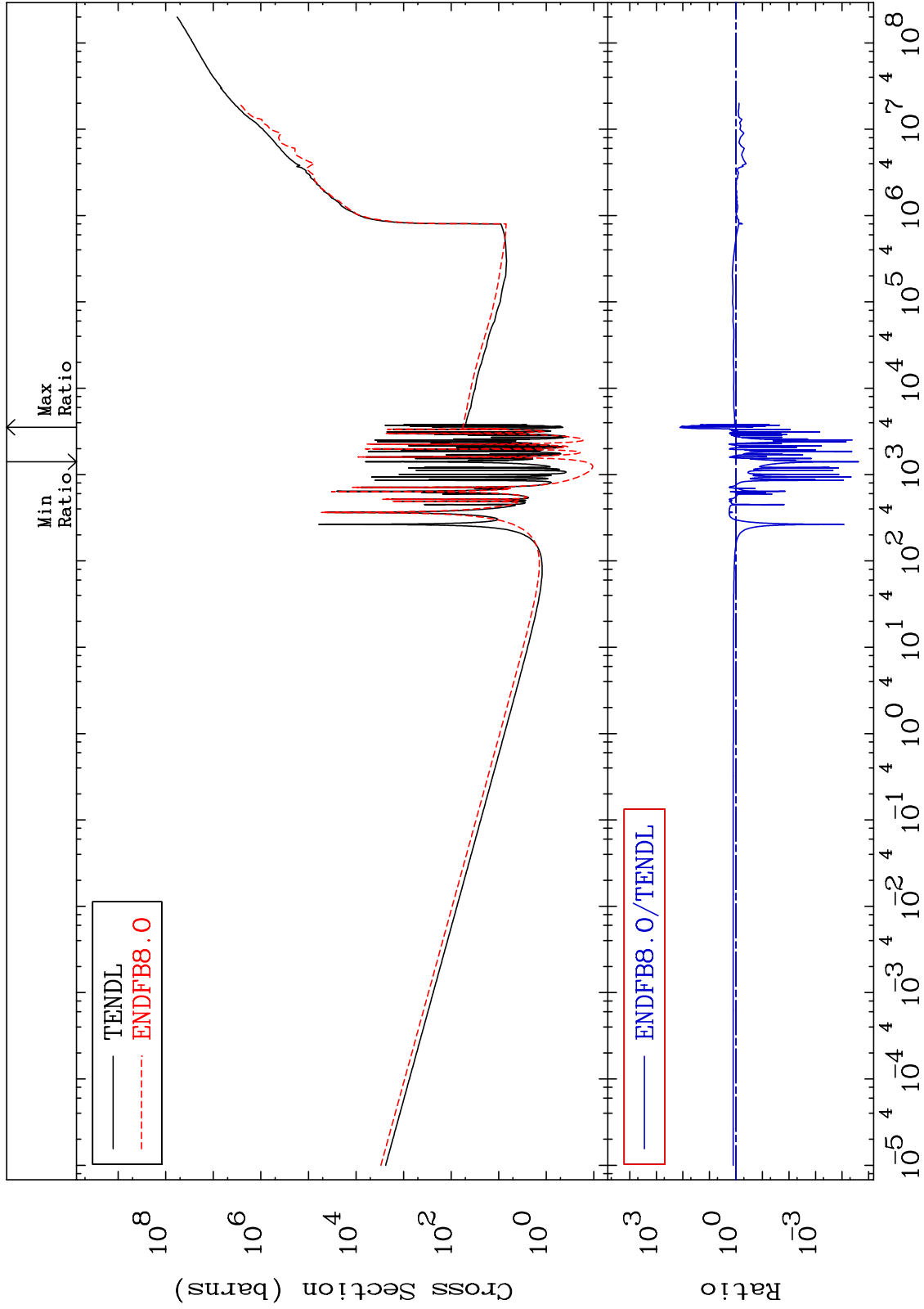
Incident Energy (eV)

38-Sr-84

MAT 3825

Kerma non-elastic (all but mt2)
Cross Section

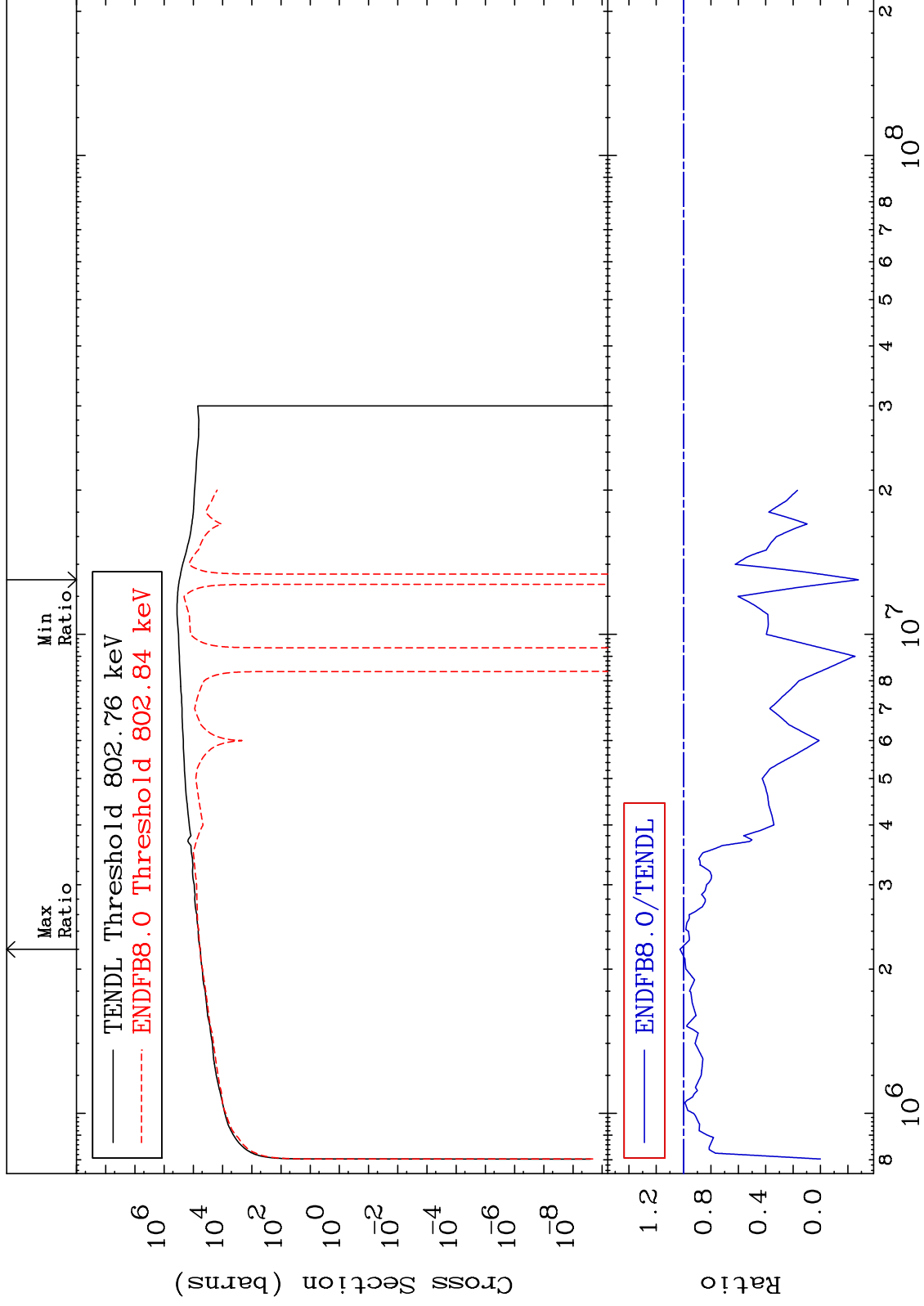
38-Sr-84
-100.0 To 9999. %



MAT 3825

Kerma inelastic (mt51-91)
Cross Section

38-Sr-84
-127.7 To 2.641 %



25

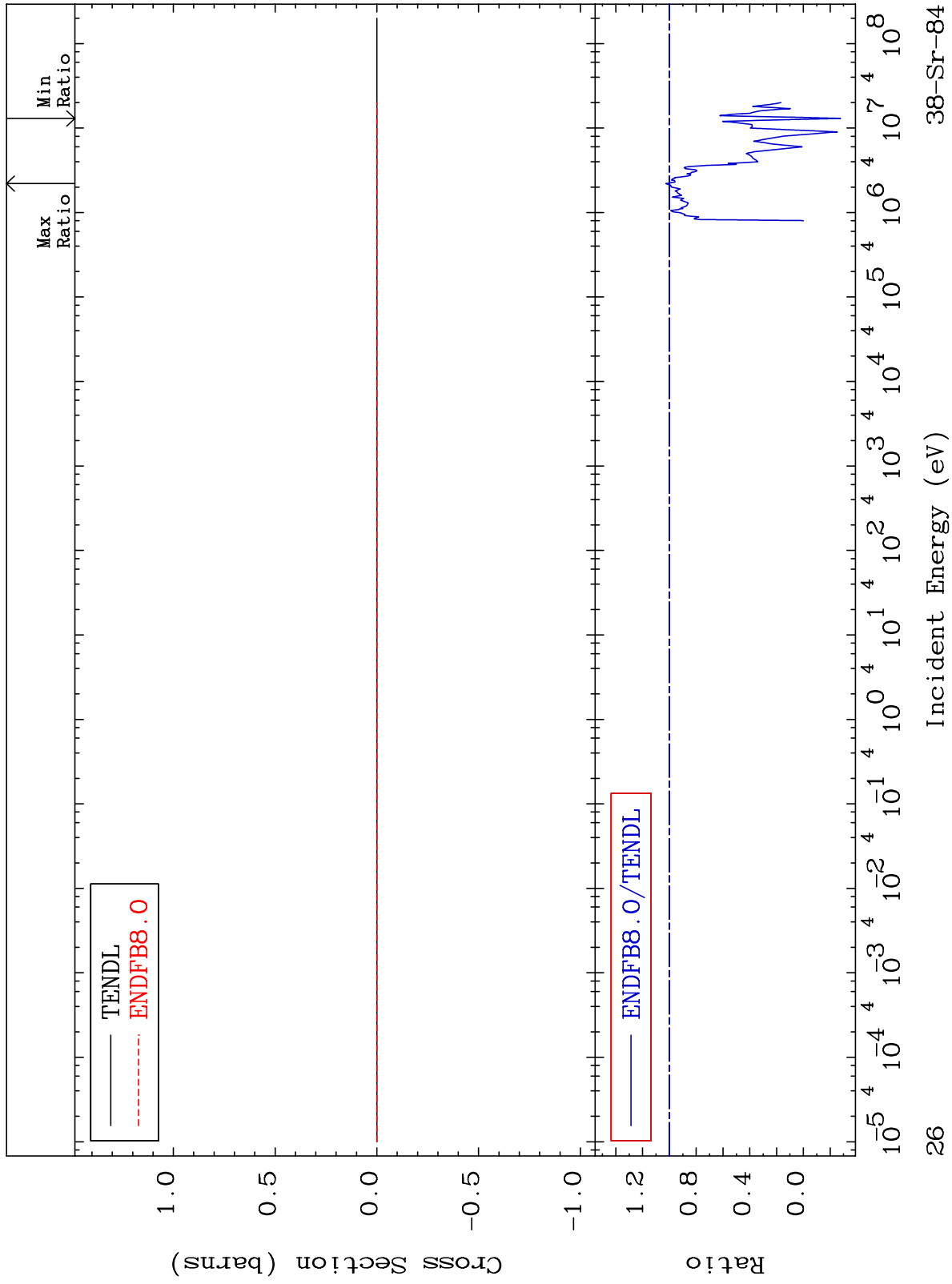
Incident Energy (eV)

38-Sr-84

MAT 3825

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

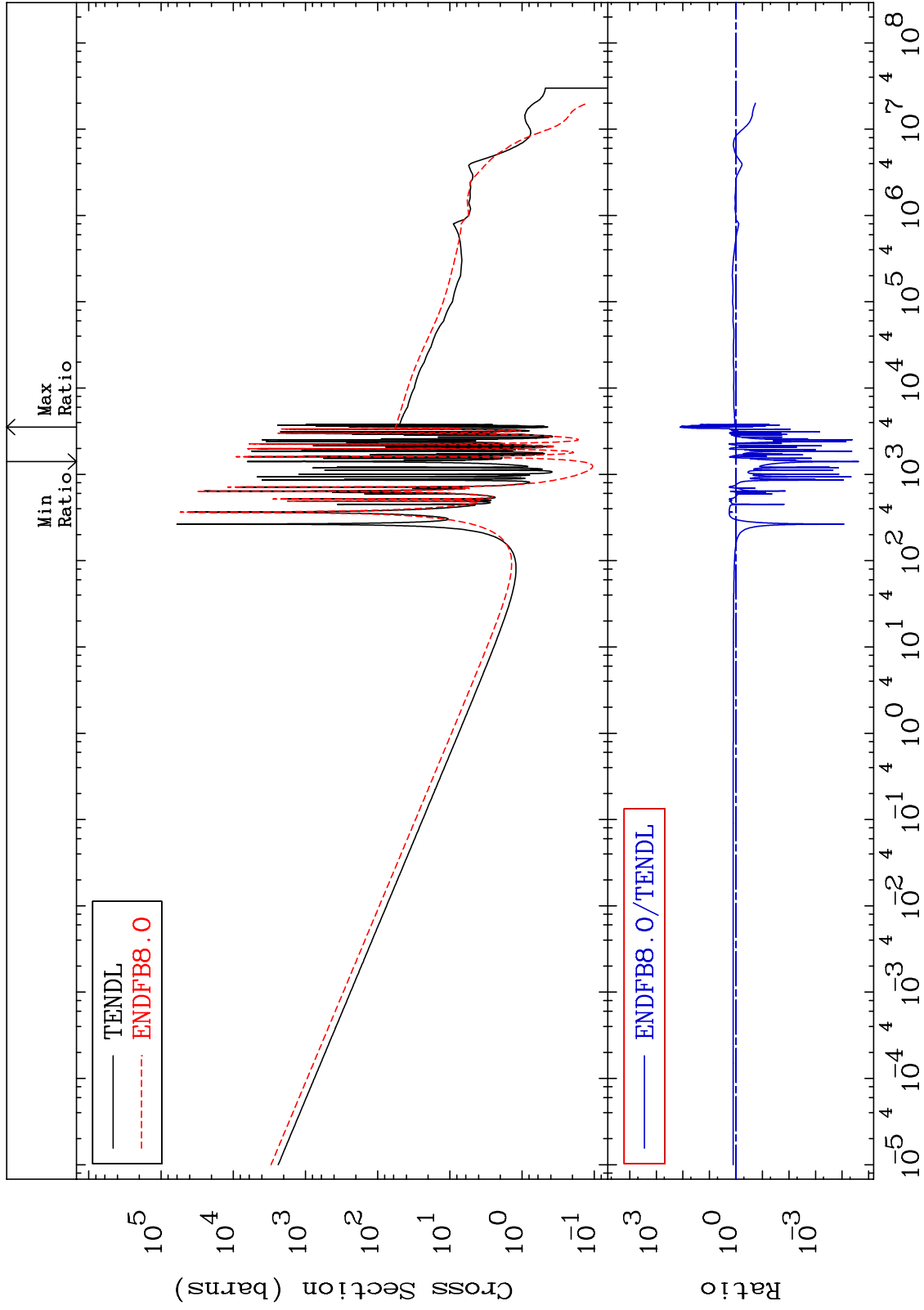
38-Sr-84
-127.7 To 2.641 %



MAT 3825

Kerma capture (mt102)
Cross Section

38-Sr-84
-100.0 To 9999. %



27

Incident Energy (eV)

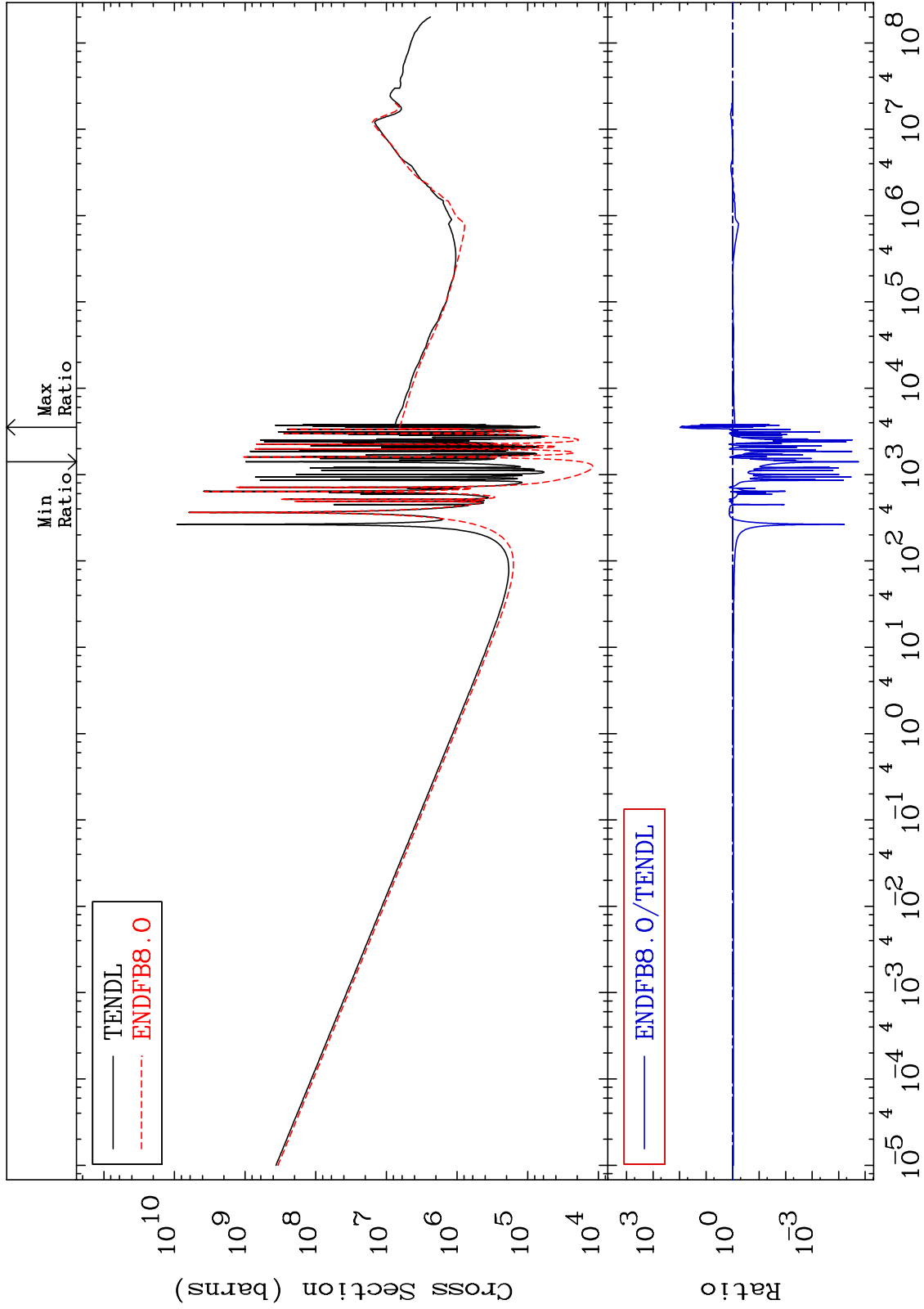
38-Sr-84

MAT 3825

Total photon (eV-barns)
Cross Section

38-Sr-84

-100.0 To 9513. %



28

Incident Energy (eV)

38-Sr-84

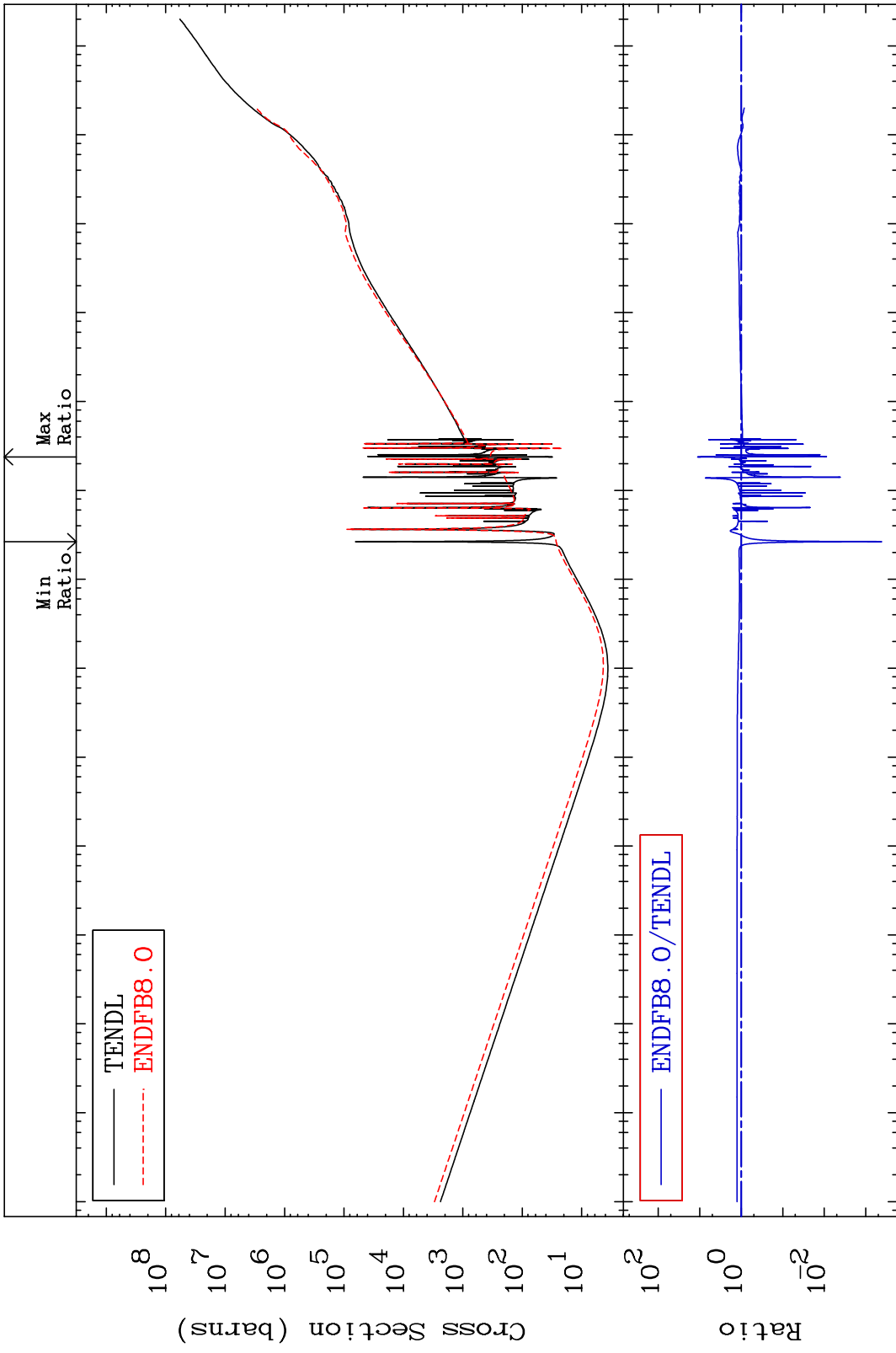
MAT 3825

Total kinematic kerma (high limit)

38-Sr-84

-99.96 To 1017. %

Cross Section



10⁸
10⁷
10⁶
10⁵
10⁴
10³
10²
10¹

Cross Section (barns)

10²
10⁰
10⁻²

Ratio

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

29

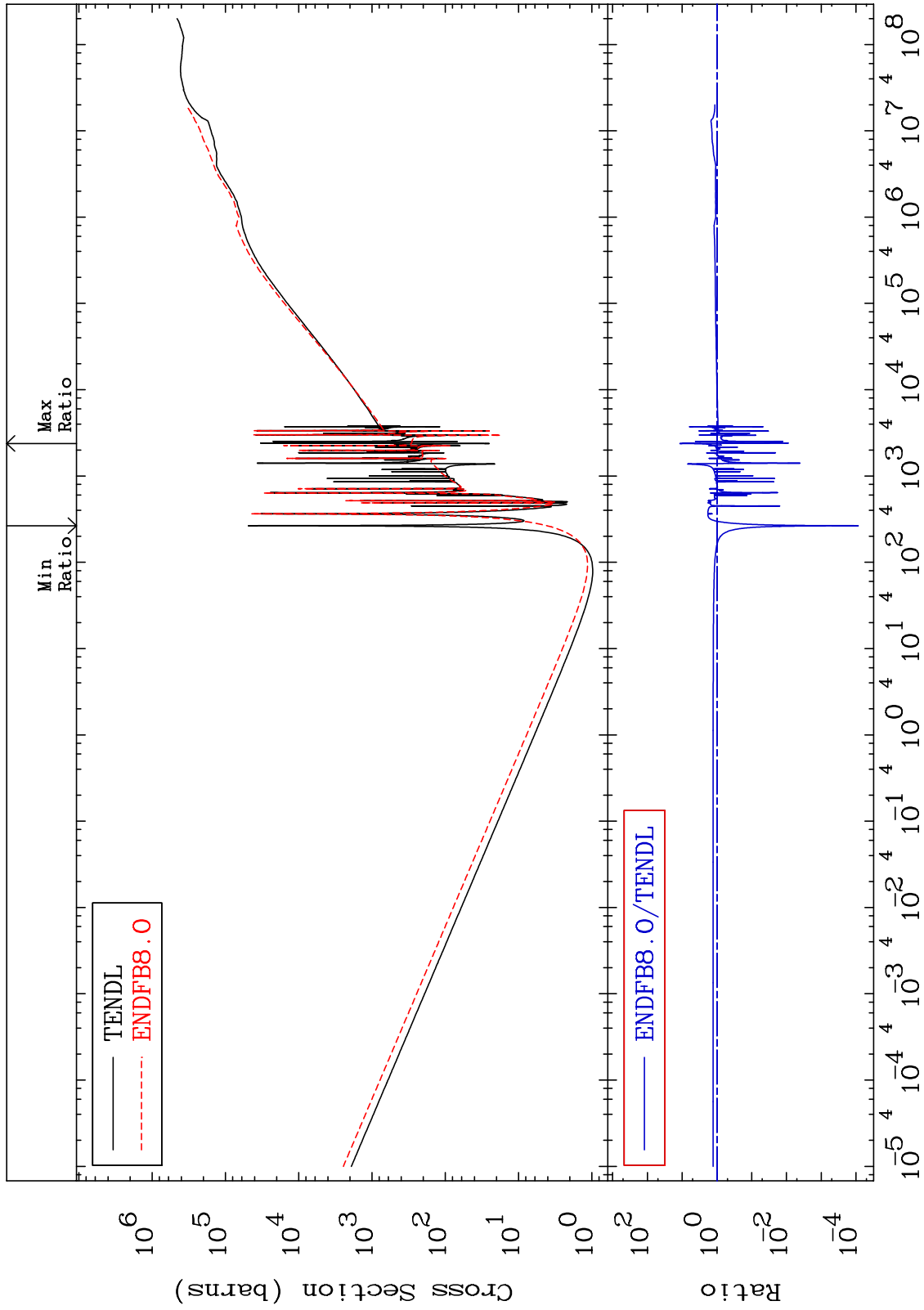
Incident Energy (eV)

38-Sr-84

MAT 3825

Dpa total (eV-barns)
Cross Section

38-Sr-84
-99.99 To 1054. %



30

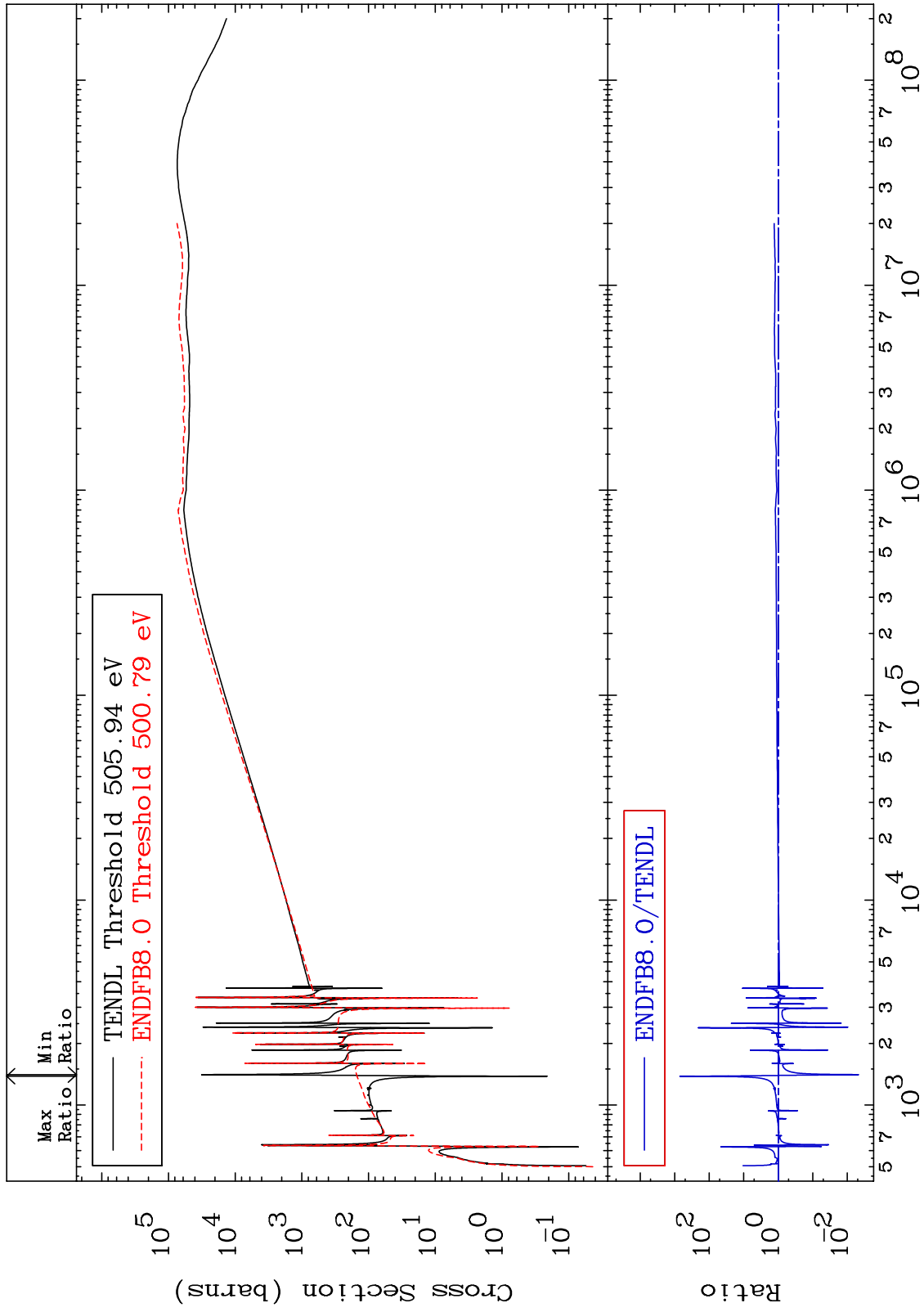
Incident Energy (eV)

38-Sr-84

MAT 3825

Dpa elastic (mt2)
Cross Section

38-Sr-84
-99.52 To 9999. %



31

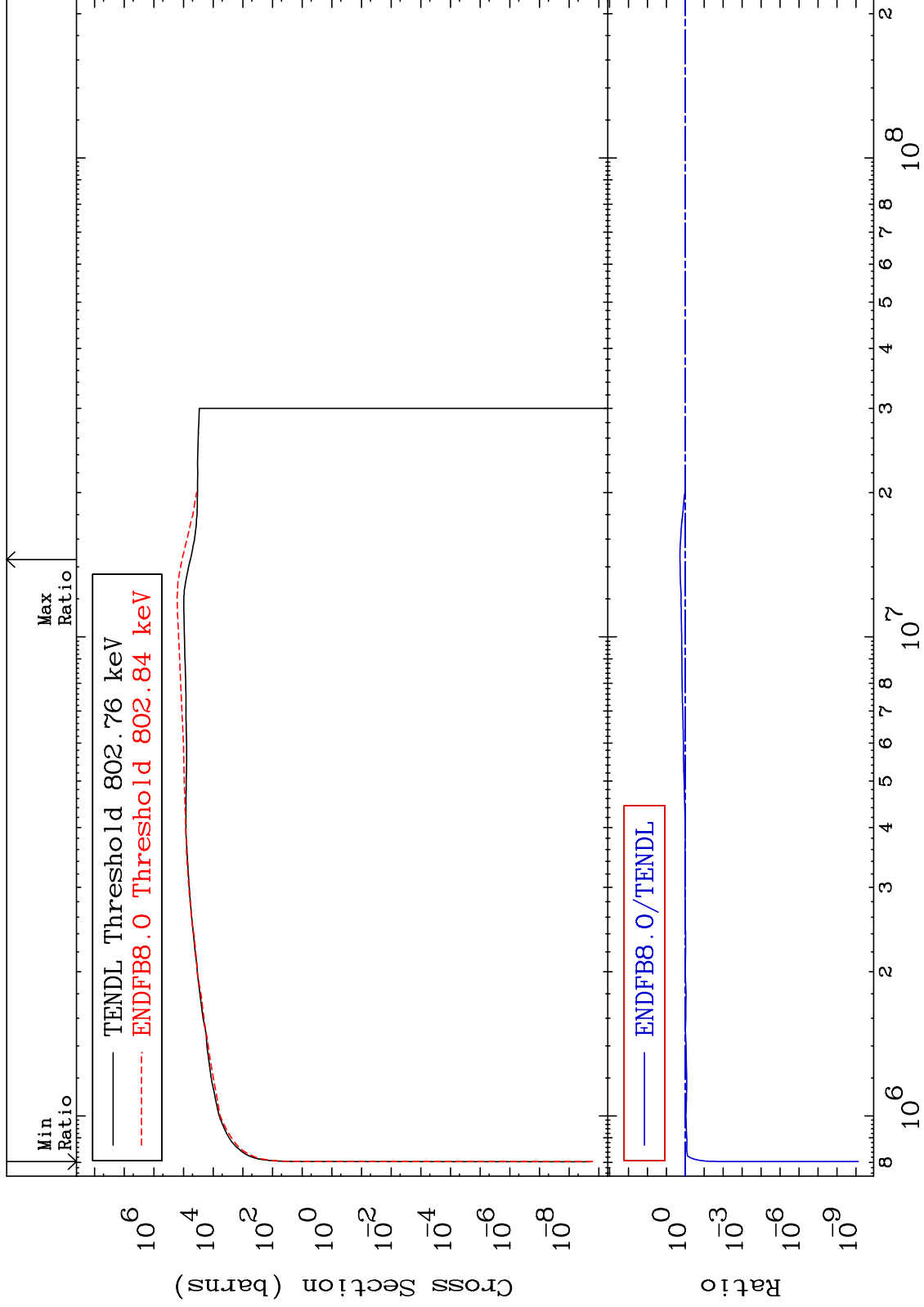
Incident Energy (eV)

38-Sr-84

MAT 3825

Dpa inelastic (mt51-91)
Cross Section

38-Sr-84
-100.0 To 89.70 %



32

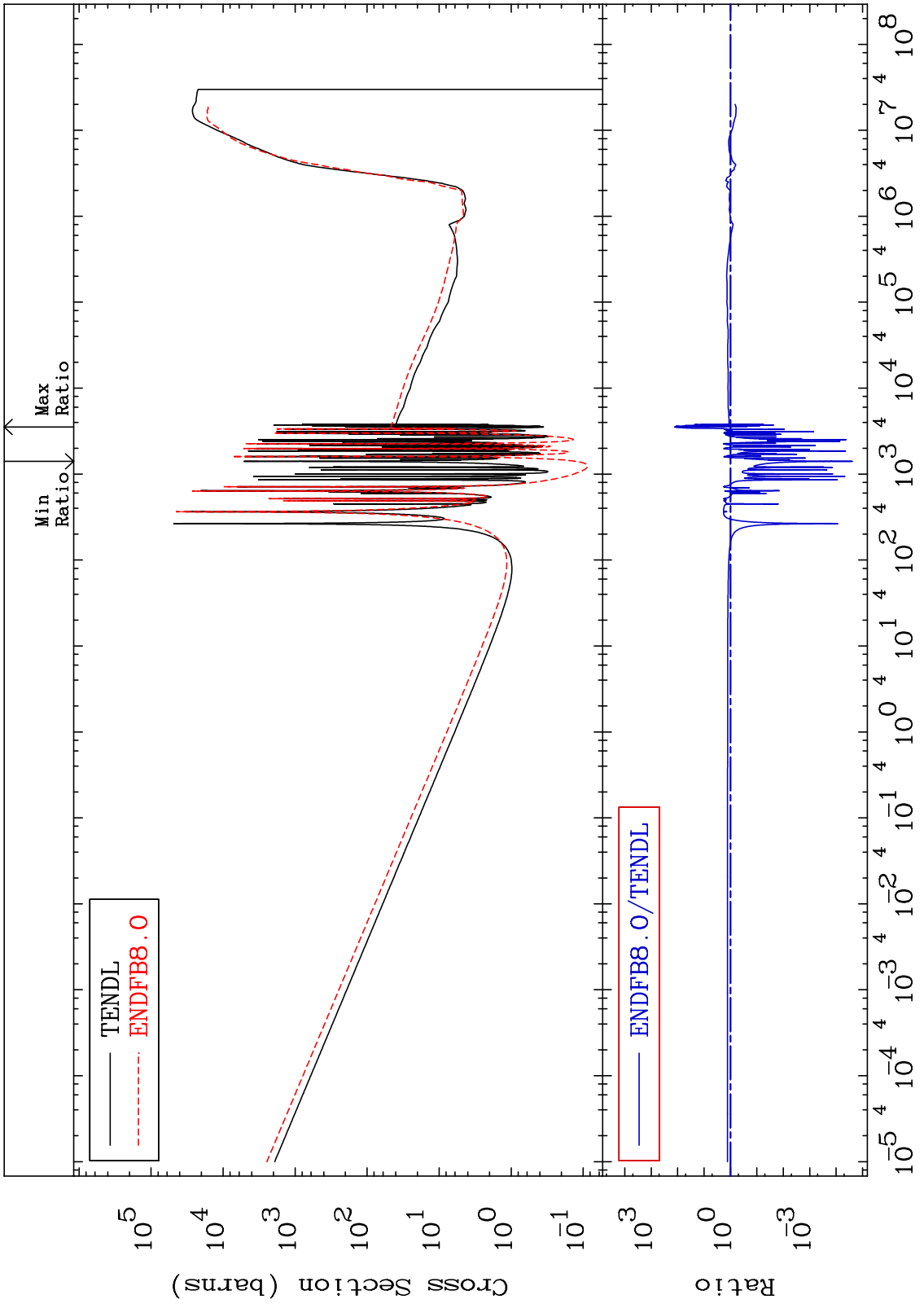
Incident Energy (eV)

38-Sr-84

MAT 3825

Dpa disappearance (mt102 -120)
Cross Section

38-Sr-84
-100.0 To 9999. %



33

Incident Energy (eV)

38-Sr-84