

Program Complot
(Version 2018-1)

by

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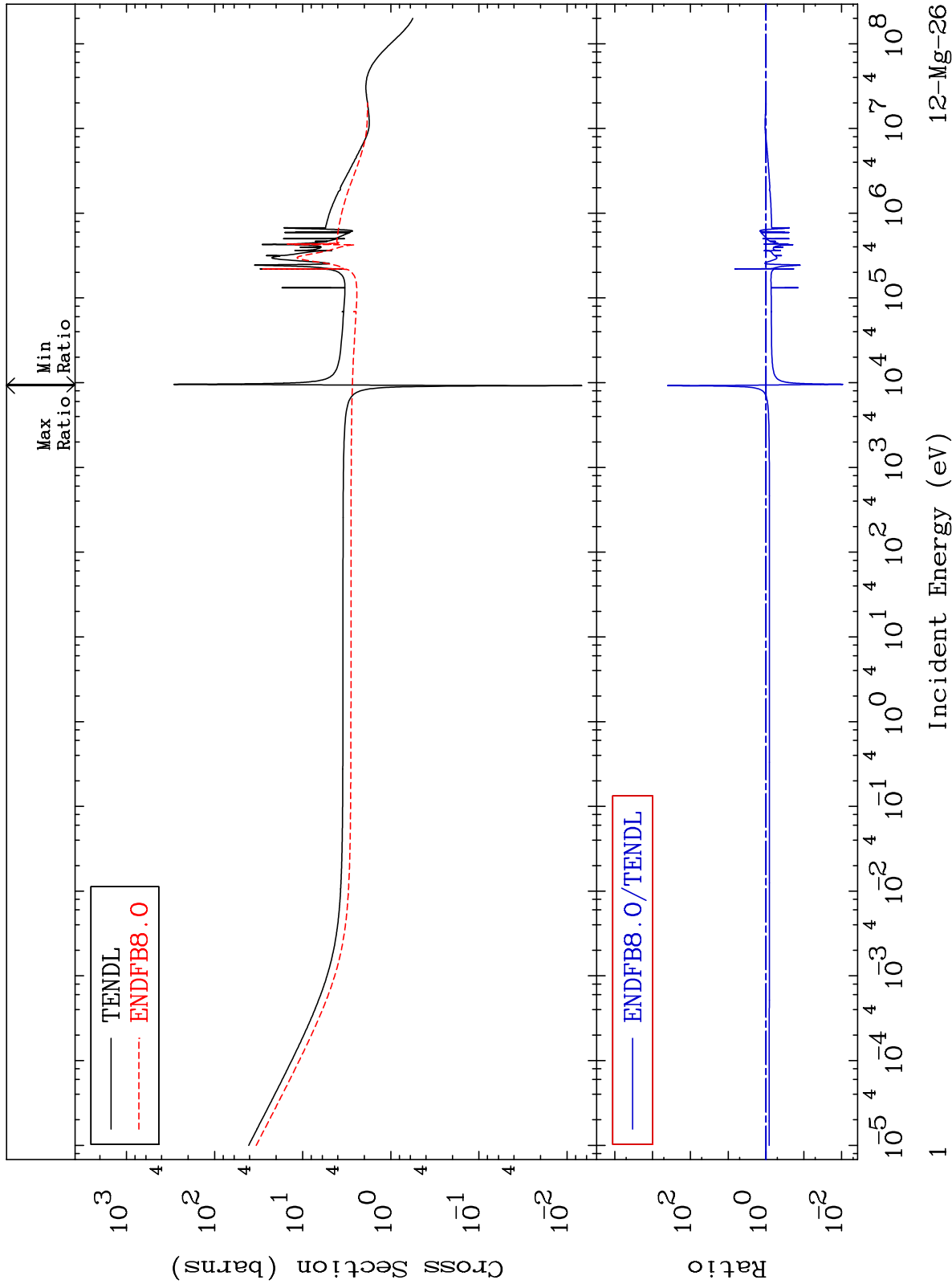
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1231

Total
Cross Section

12-Mg-26
-99.06 To 9999. %



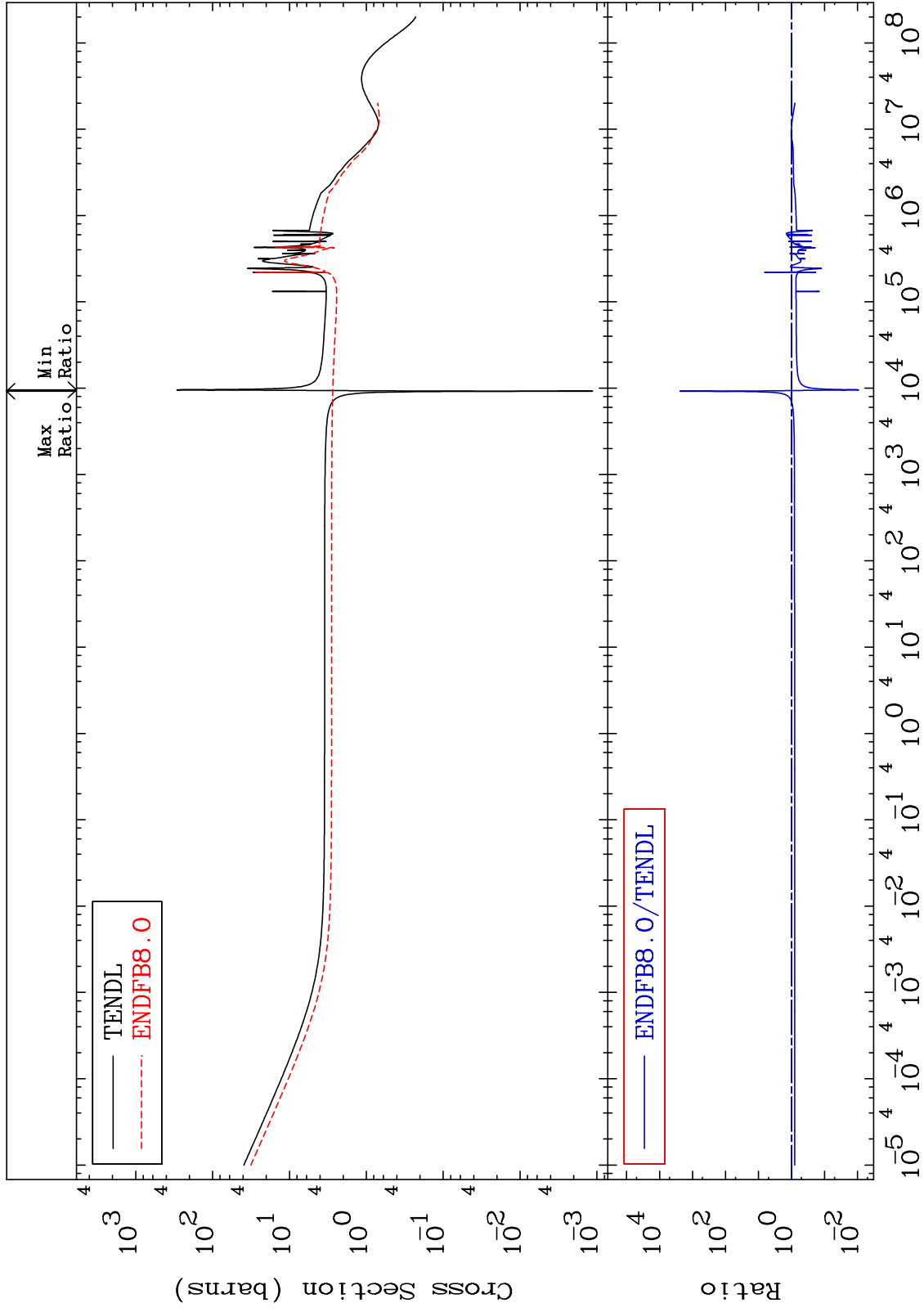
MAT 1231

Elastic

Cross Section

¹²Mg-26

-99.06 To 9999. %



Max Ratio

Min Ratio

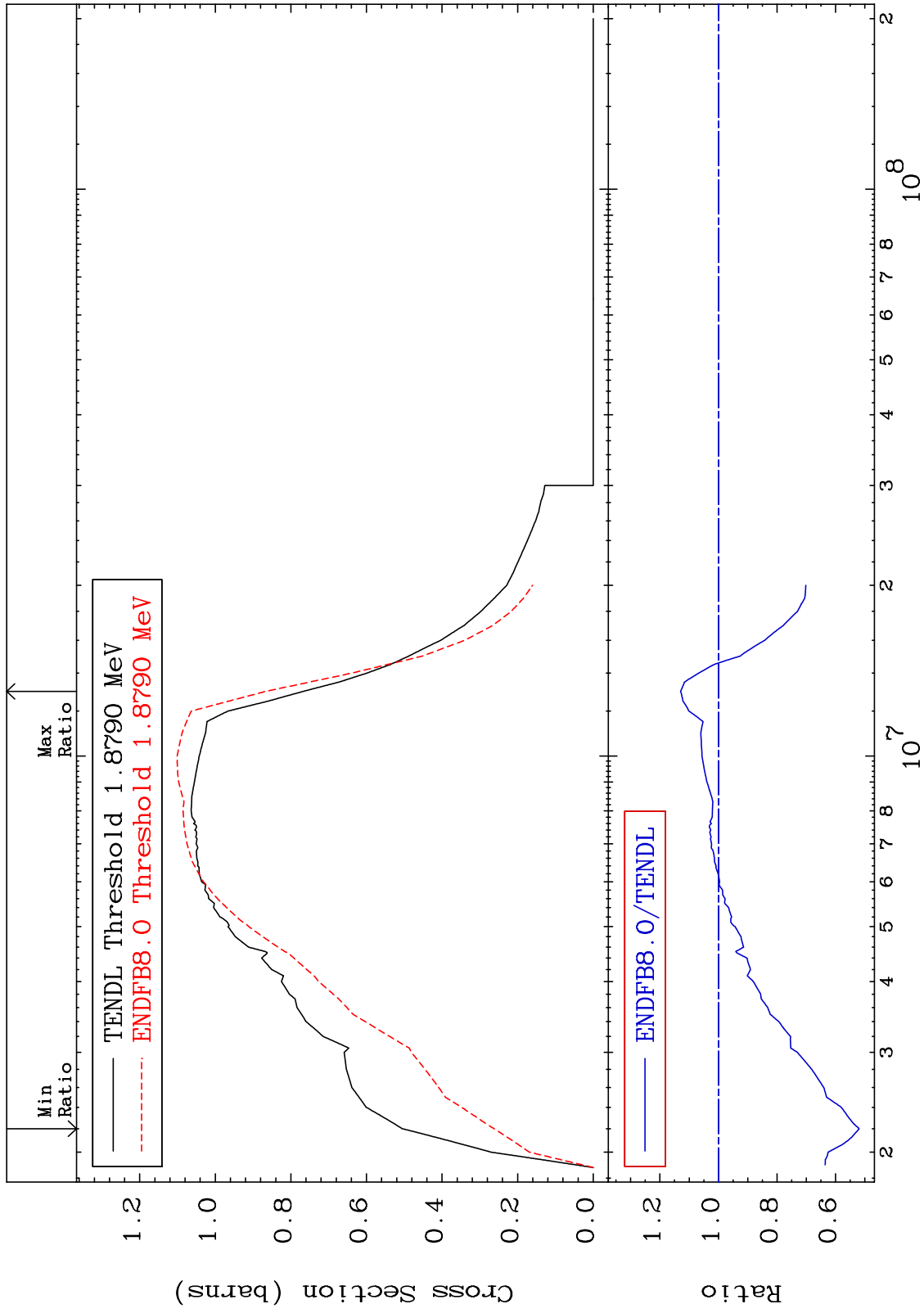
TENDL
ENDFB8.0

ENDFB8.0/TENDL

MAT 1231

Inelastic
Cross Section

12-Mg-26
-48.06 To 12.92 %



3

Incident Energy (eV)

12-Mg-26

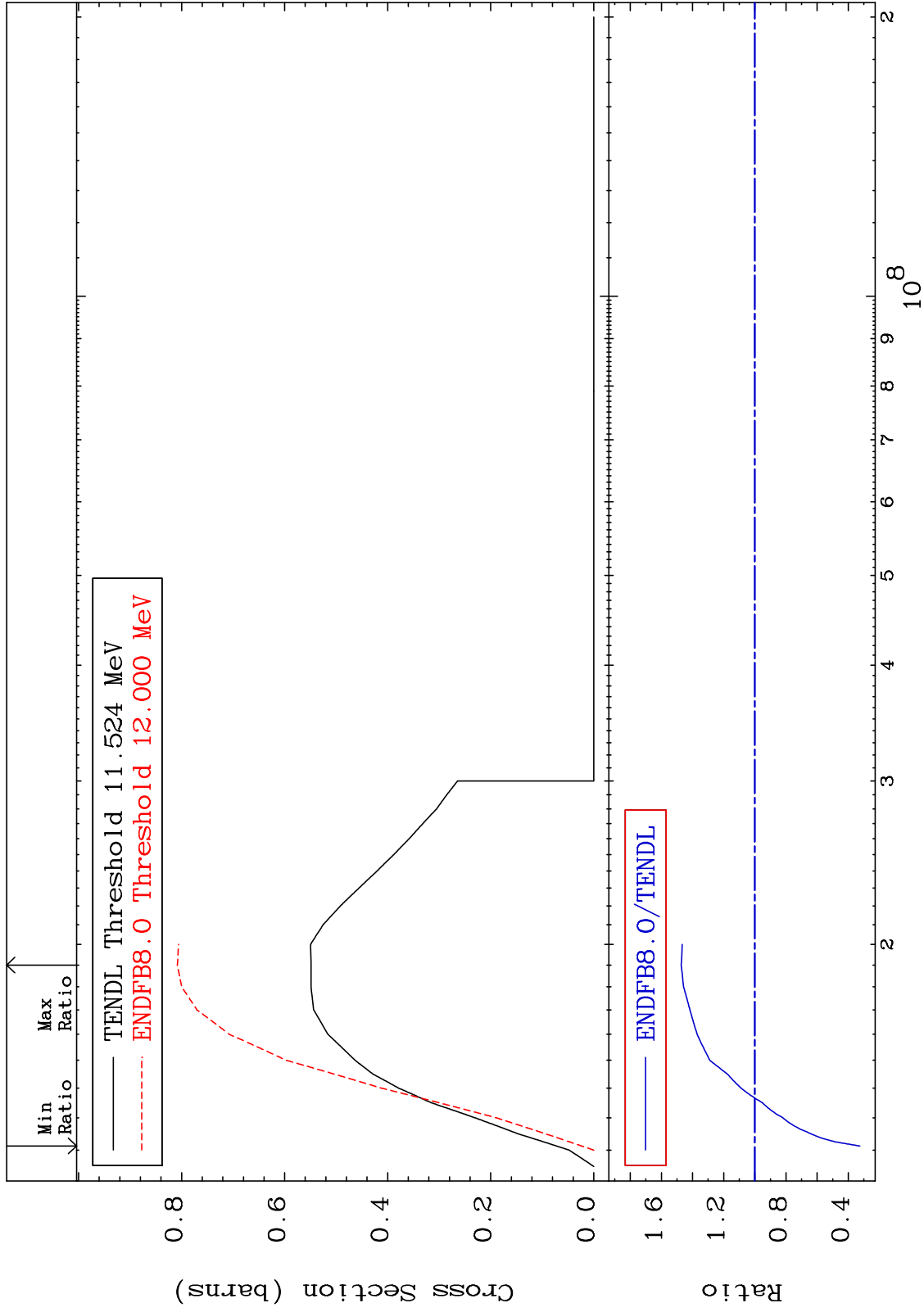
MAT 1231

(n,2n)

12-Mg-26

Cross Section

-67.48 To 47.27 %



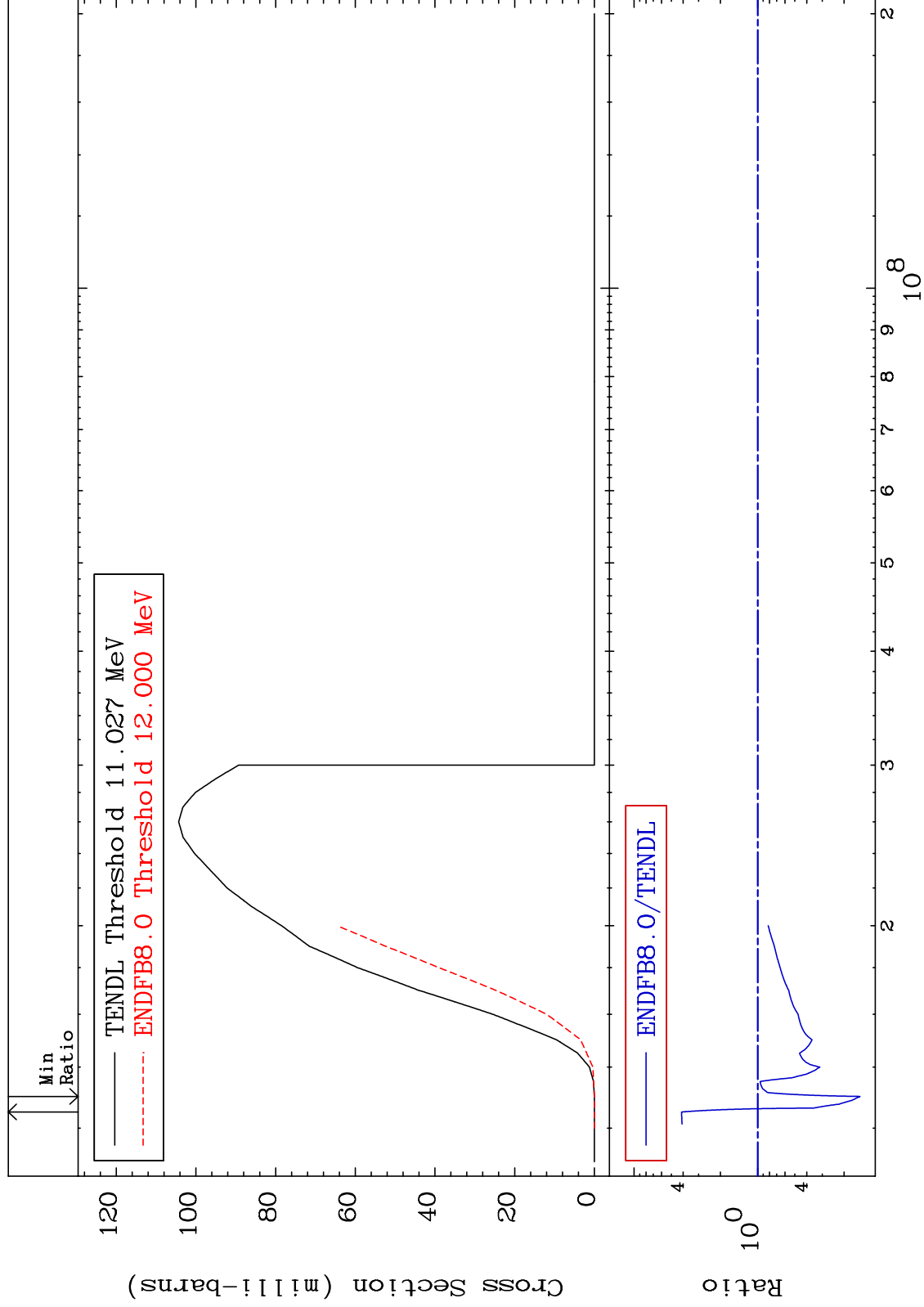
MAT 1231

(n,n') α

12-Mg-26

Cross Section

-85.17 To 311.8 %



5

12-Mg-26

12-Mg-26

MAT 1231

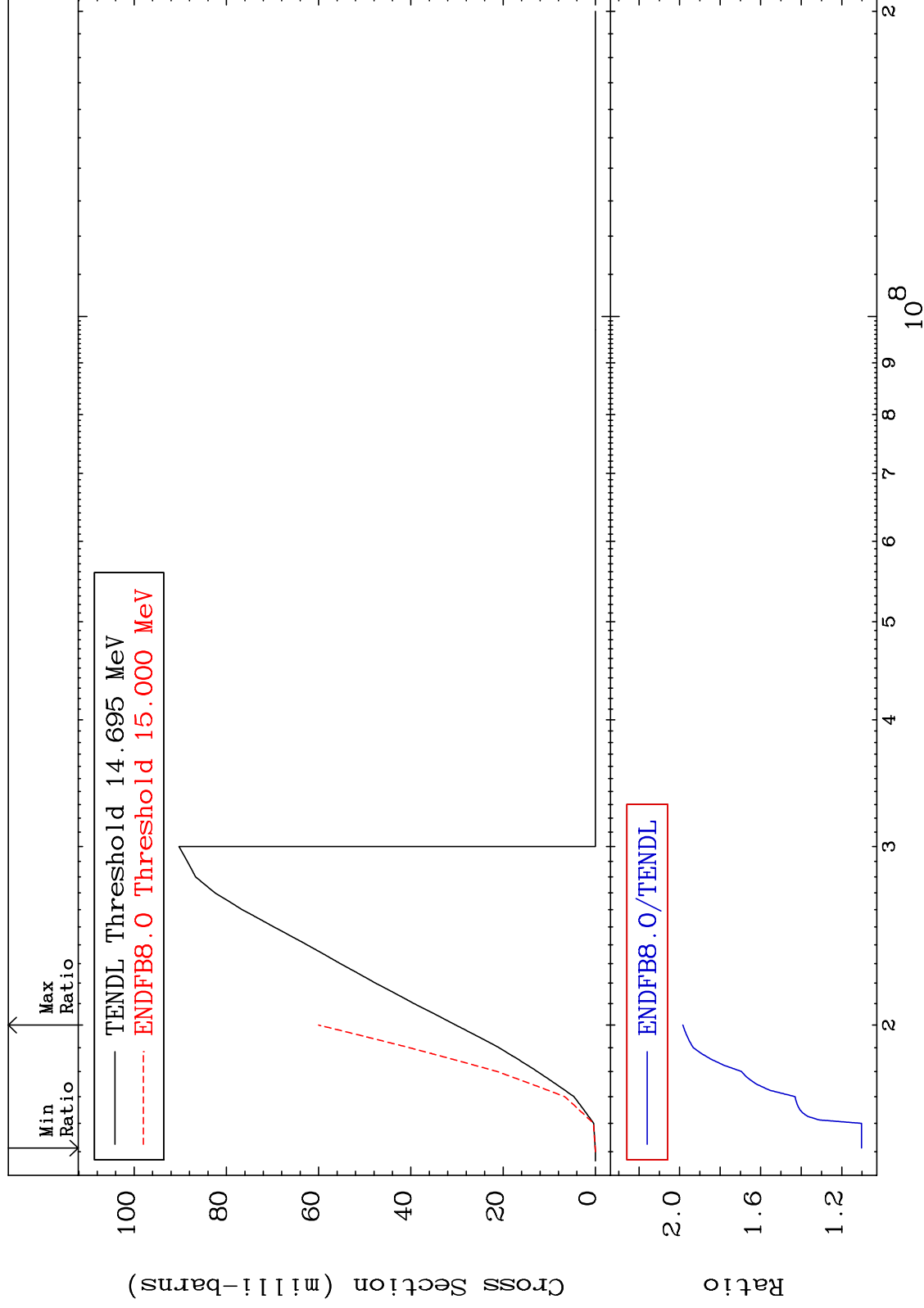
(n,n') p

¹²Mg-26

Cross Section

10.24

To 98.38 %



6

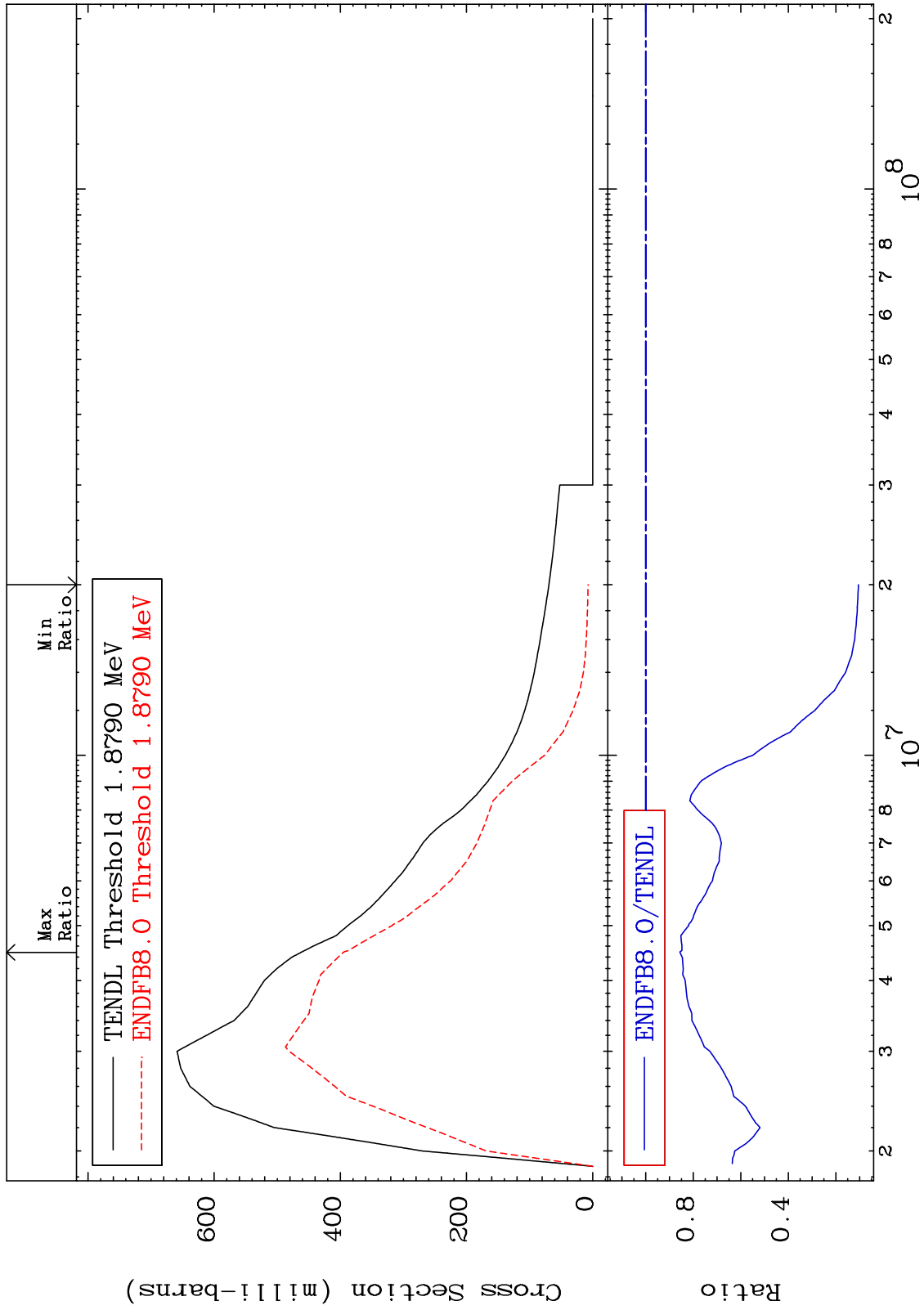
Incident Energy (eV)

¹²Mg-26

MAT 1231

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

12-Mg-26
-89.48 To -14.43%



7

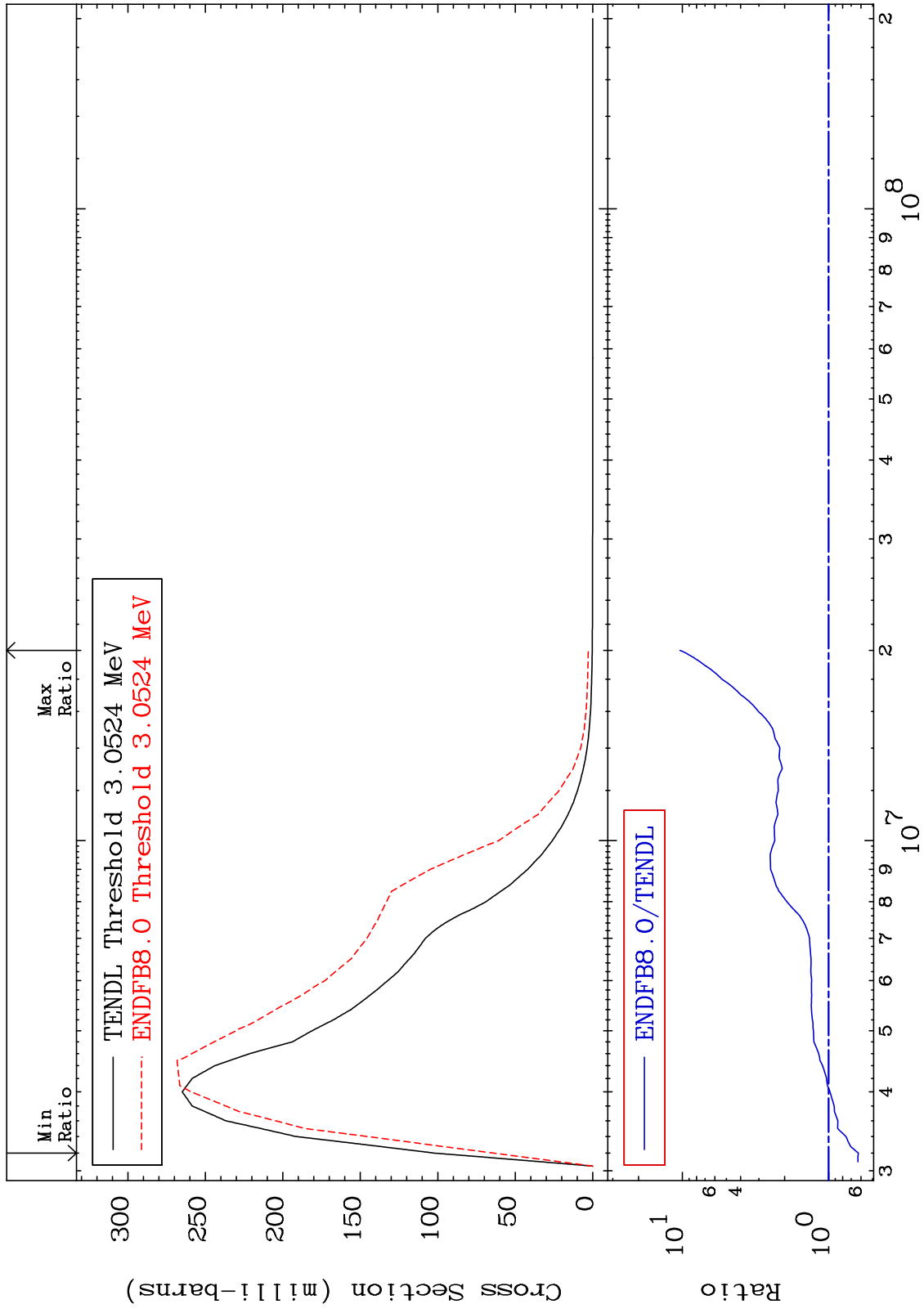
Incident Energy (eV)

12-Mg-26

MAT 1231

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

12-Mg-26
-37.49 To 939.1 %



8

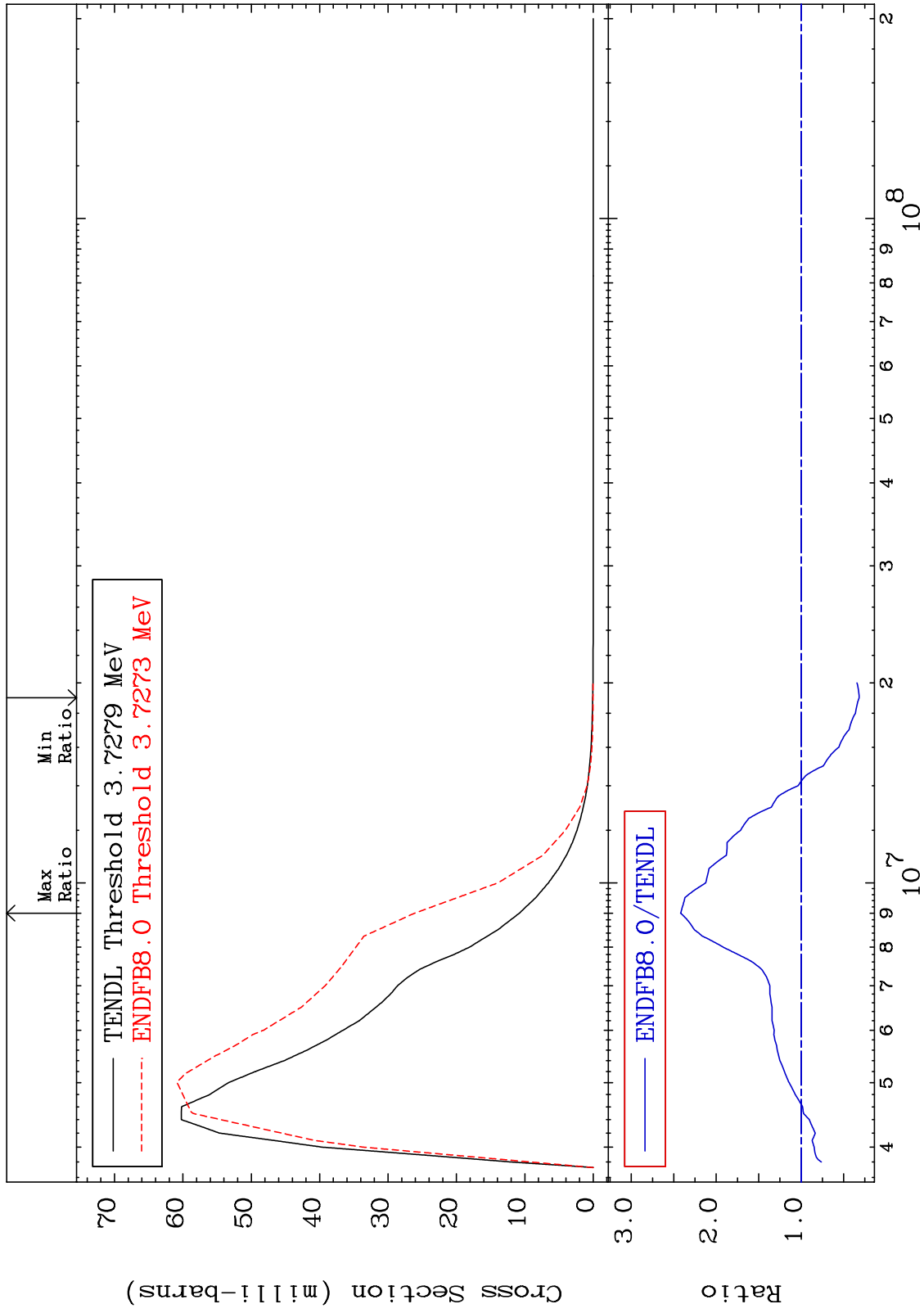
12-Mg-26

12-Mg-26

MAT 1231

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

12-Mg-26
-68.29 To 141.9 %



9

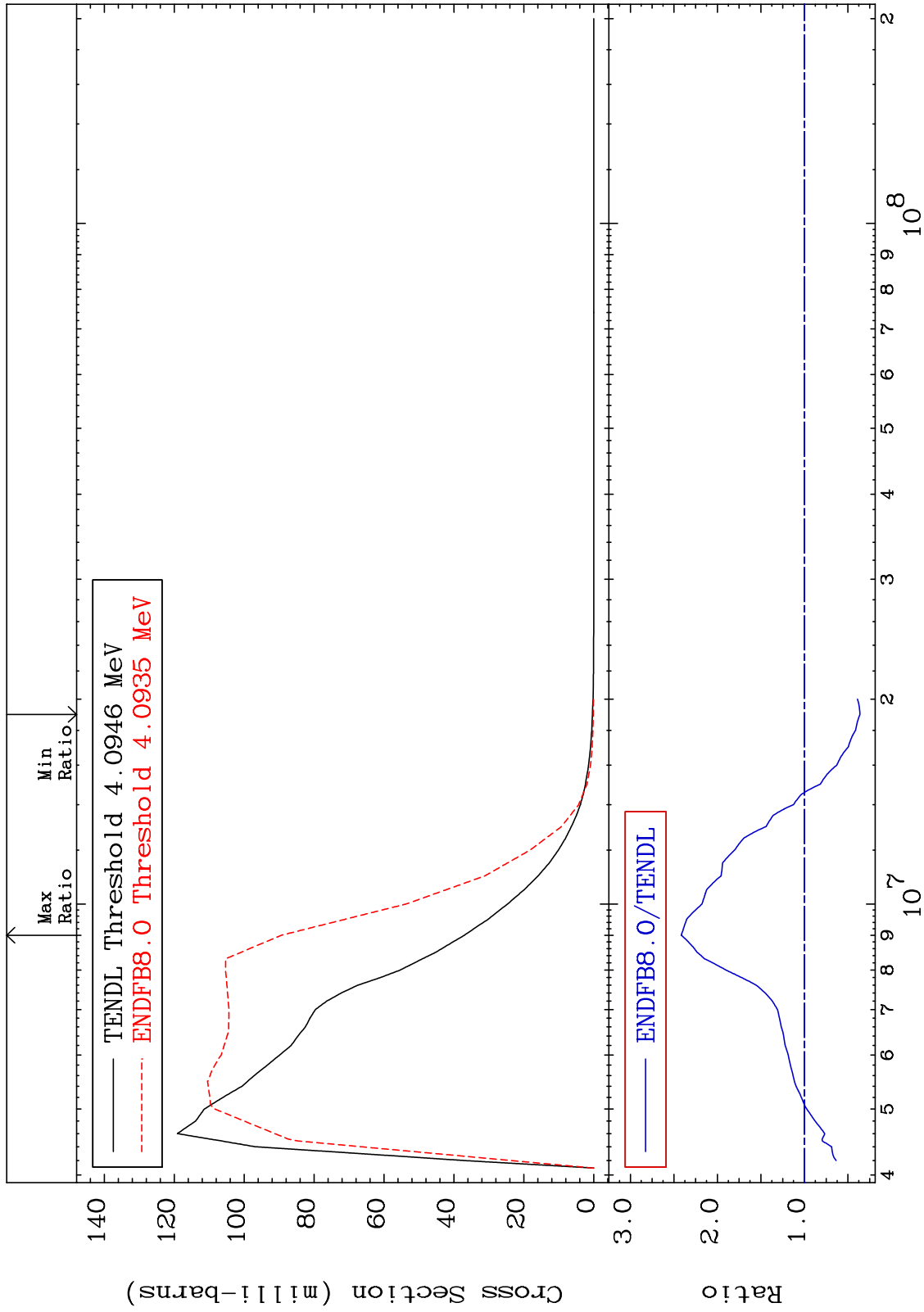
Incident Energy (eV)

12-Mg-26

MAT 1231

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

12-Mg-26
-63.77 To 141.6 %



10

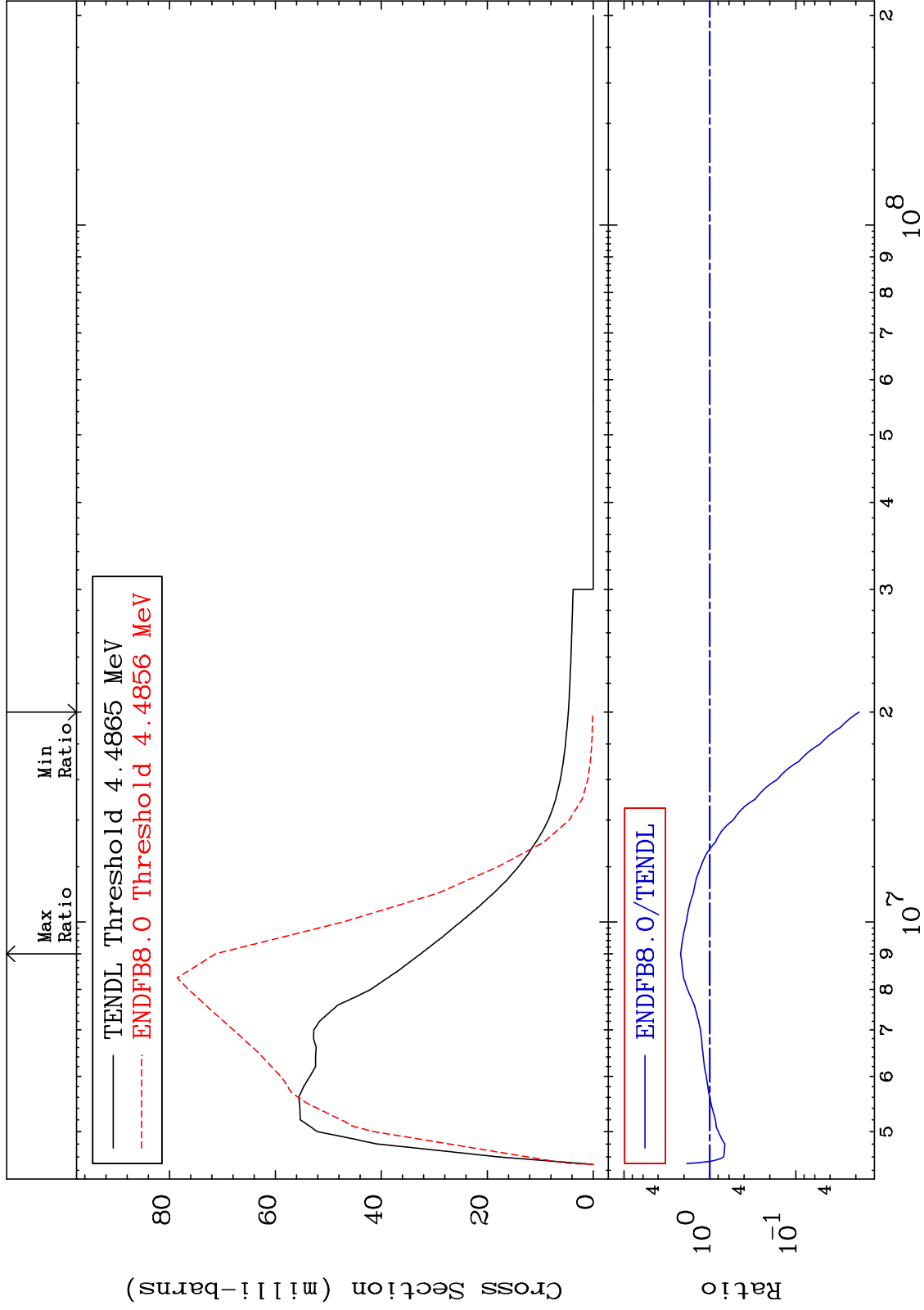
Incident Energy (eV)

12-Mg-26

MAT 1231

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

12-Mg-26
-98.17 To 119.0 %



11

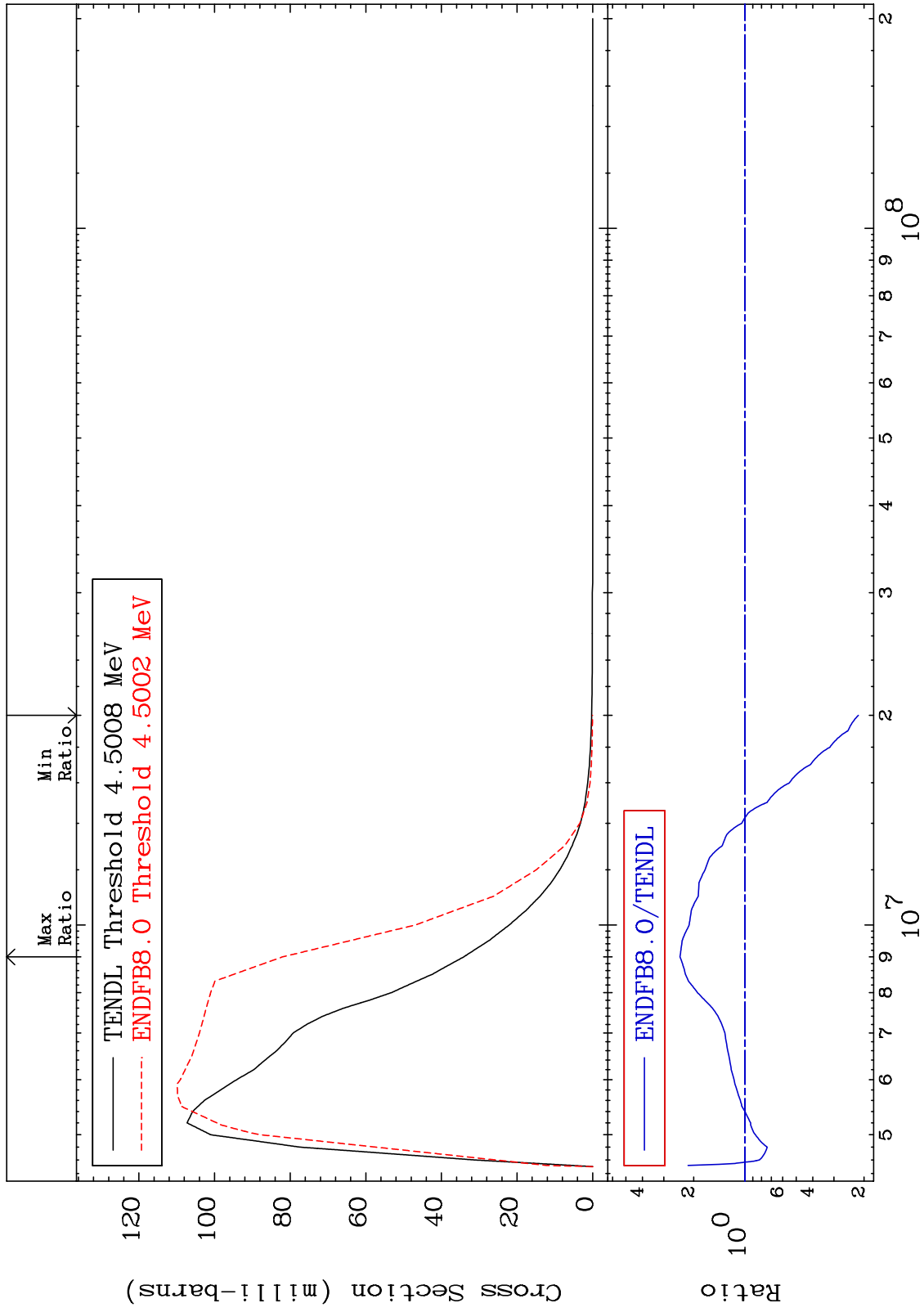
12-Mg-26

12-Mg-26

MAT 1231

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

12-Mg-26
-78.44 To 140.7 %



12

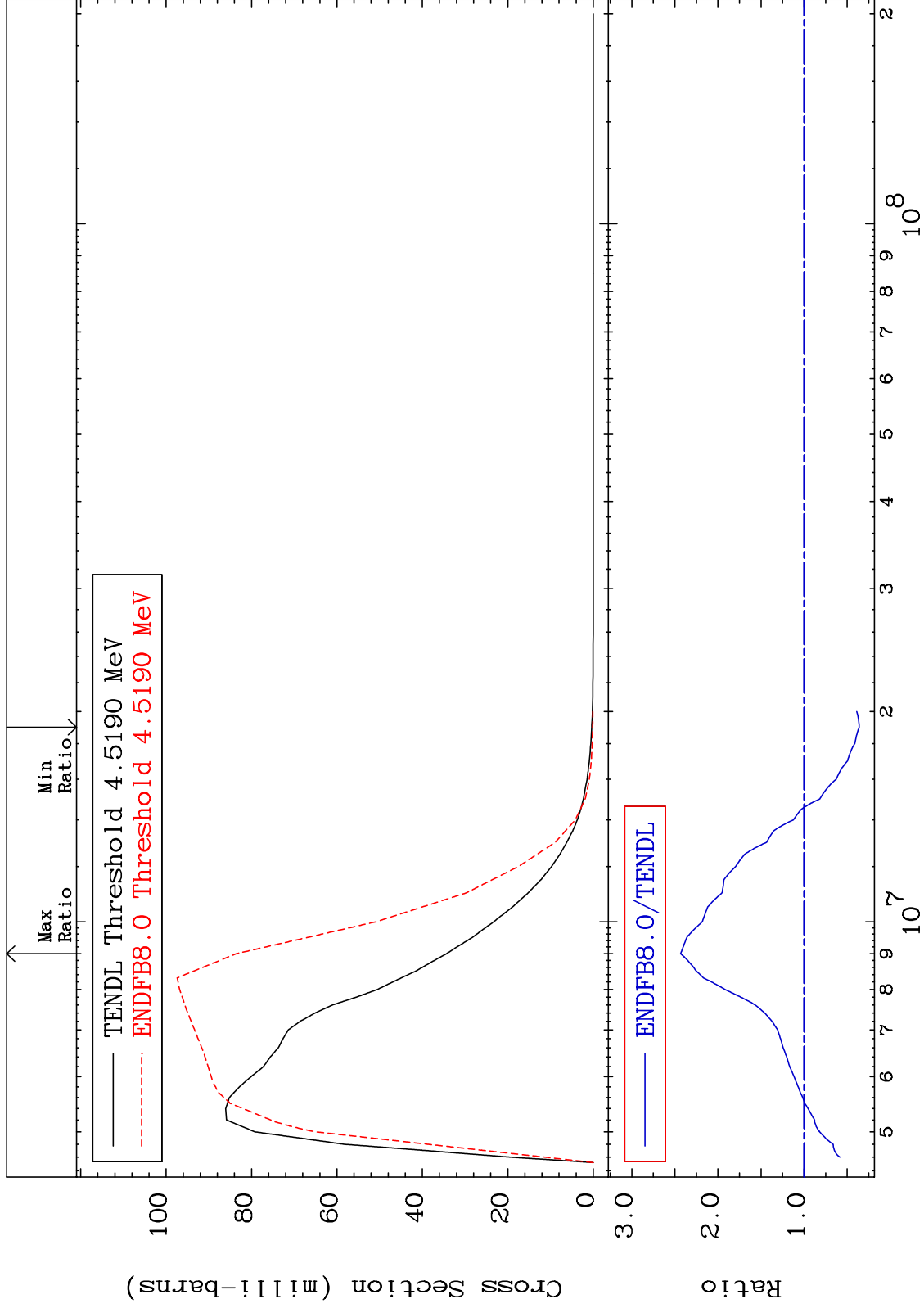
Incident Energy (eV)

12-Mg-26

MAT 1231

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

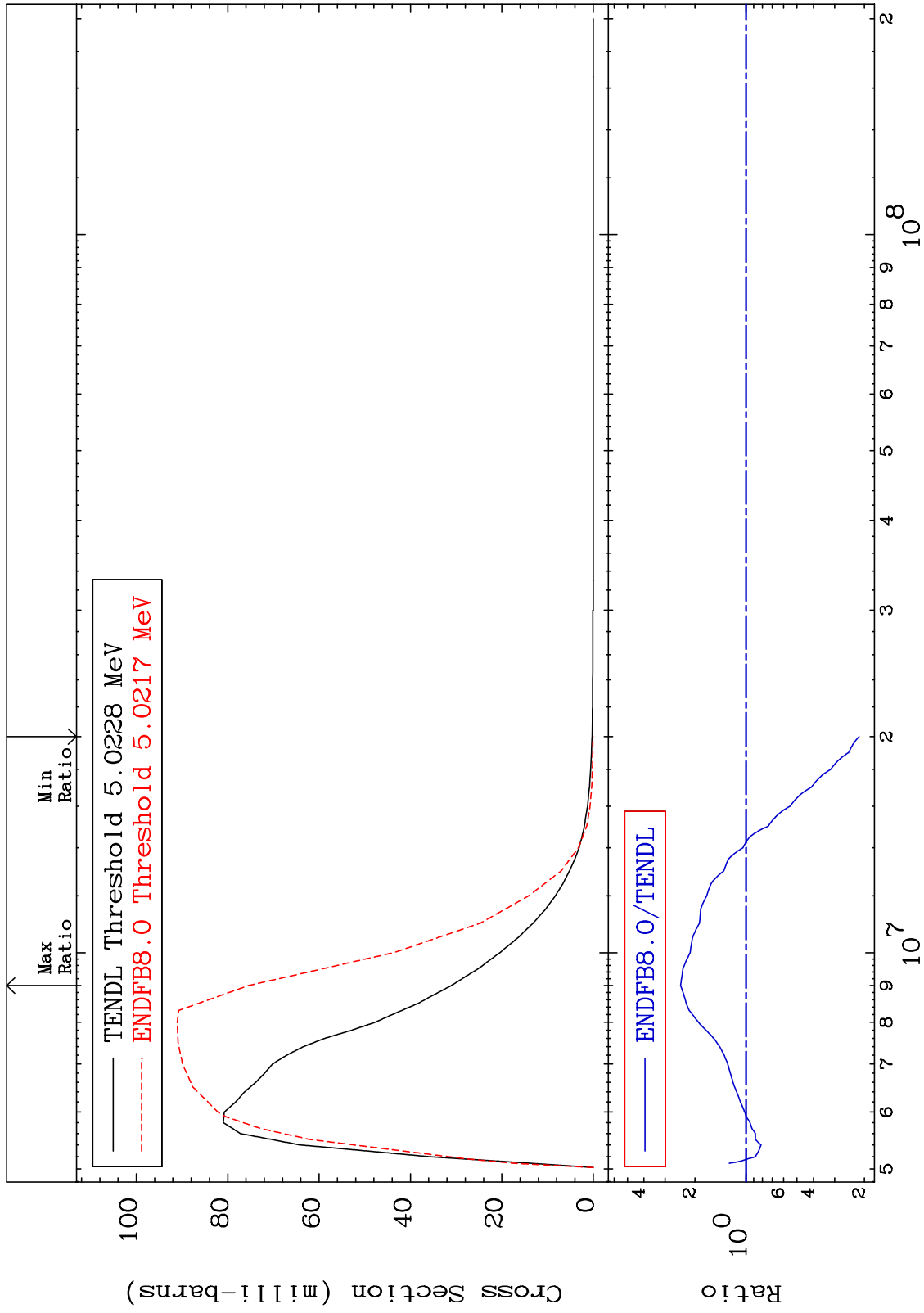
12-Mg-26
-63.94 To 143.3 %



MAT 1231

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

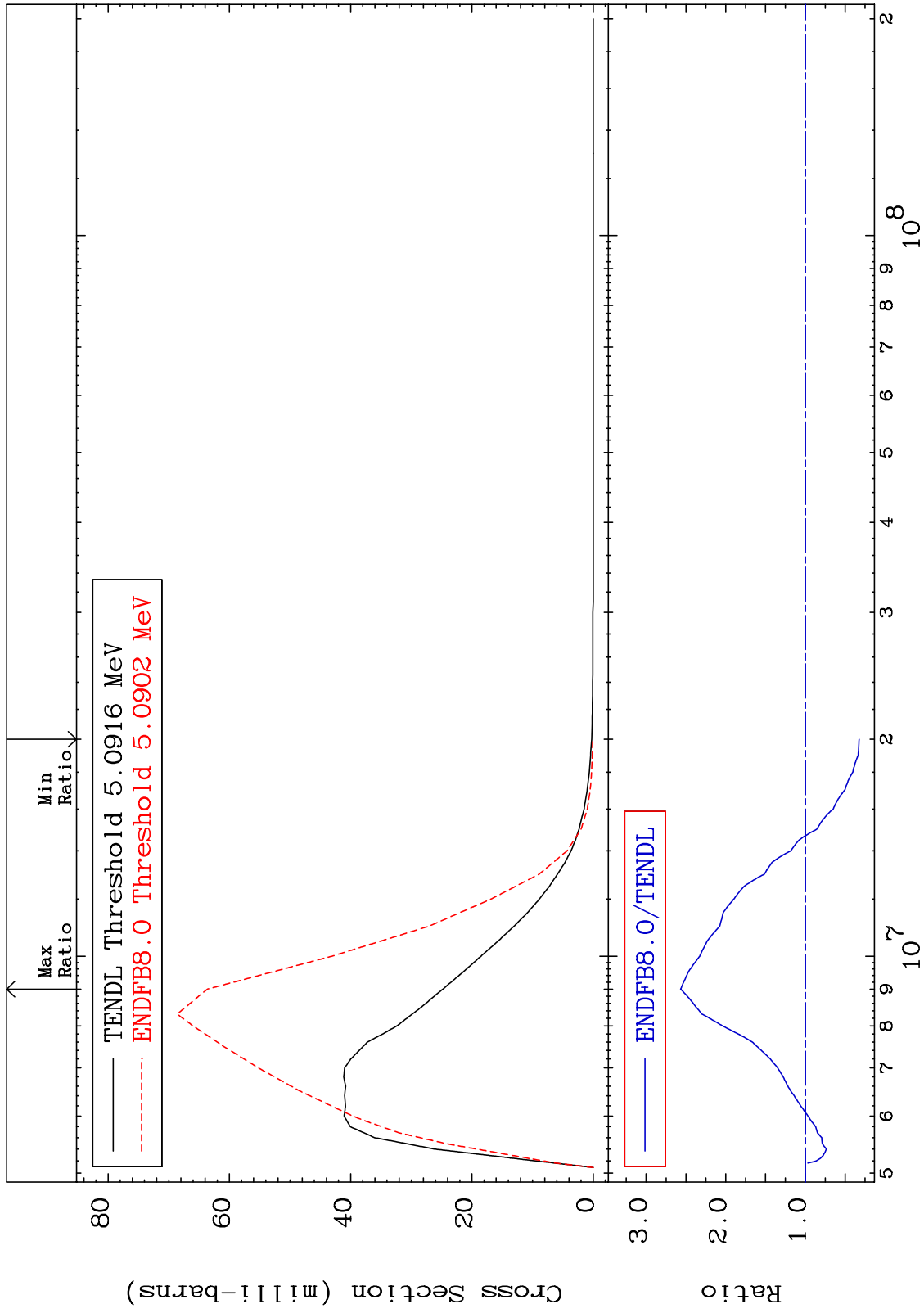
12-Mg-26
-78.52 To 143.0 %



MAT 1231

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

12-Mg-26
-67.71 To 156.7 %



15

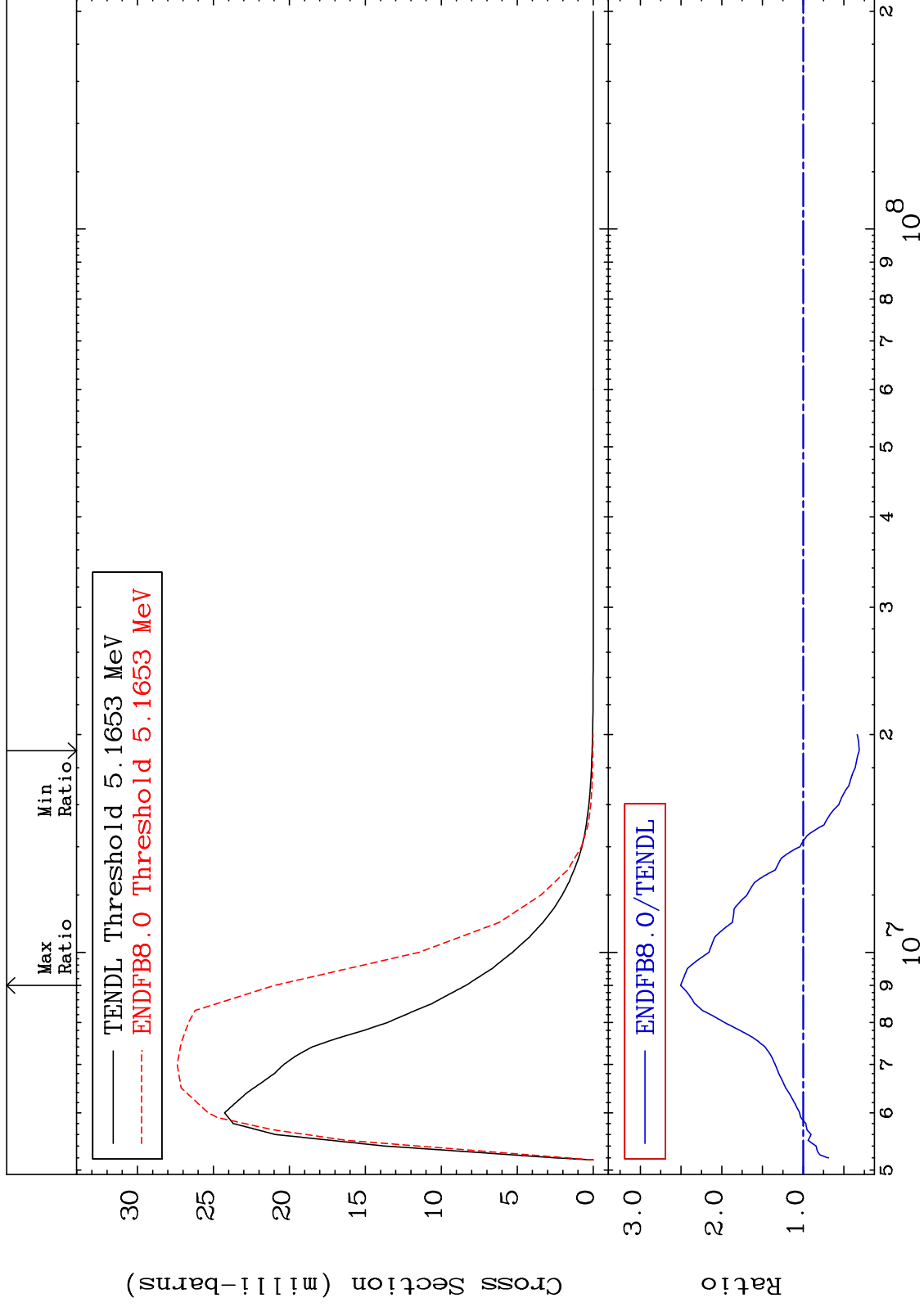
Incident Energy (eV)

12-Mg-26

MAT 1231

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

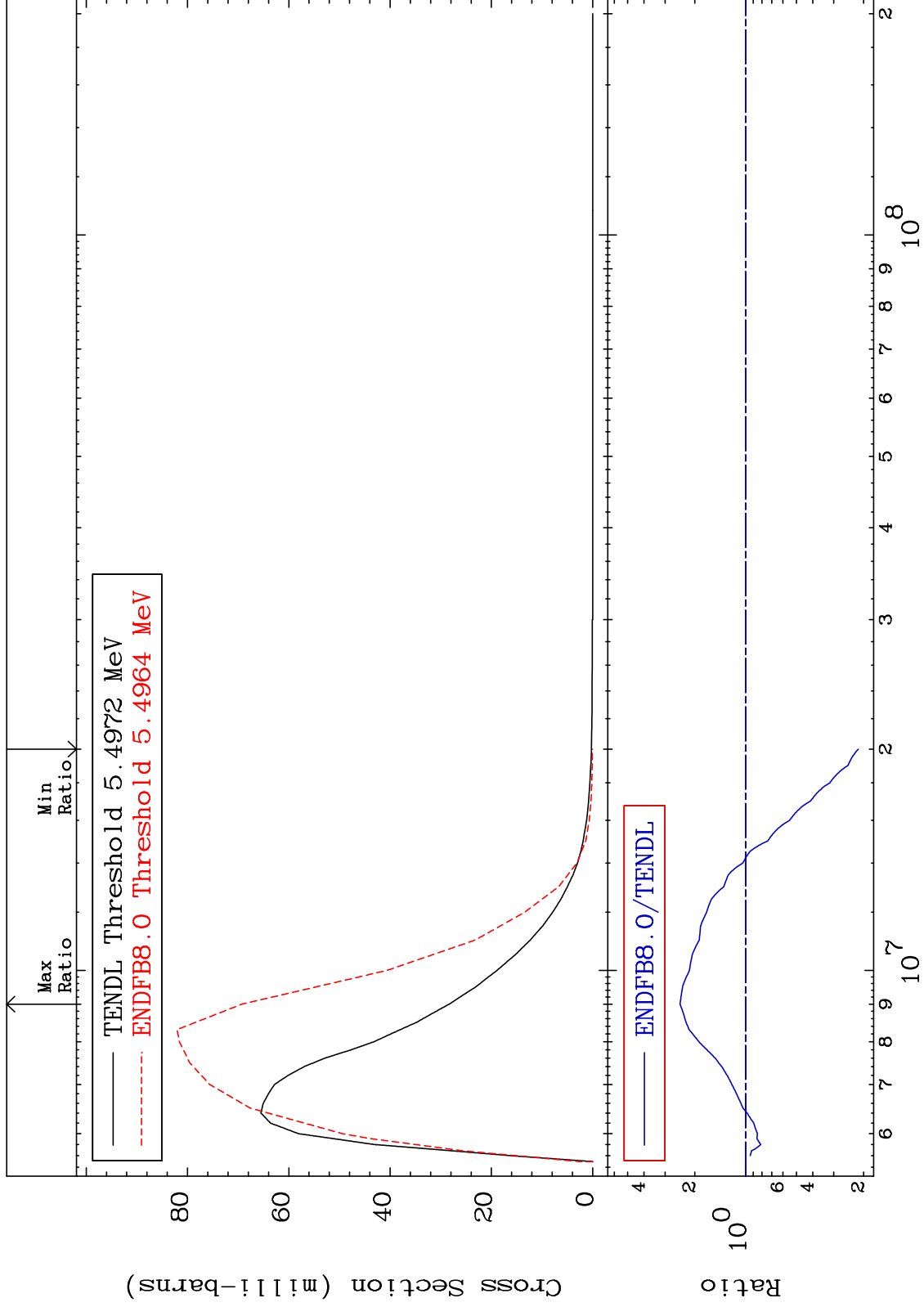
12-Mg-26
-68.74 To 150.5 %



MAT 1231

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

12-Mg-26
-78.56 To 144.5 %



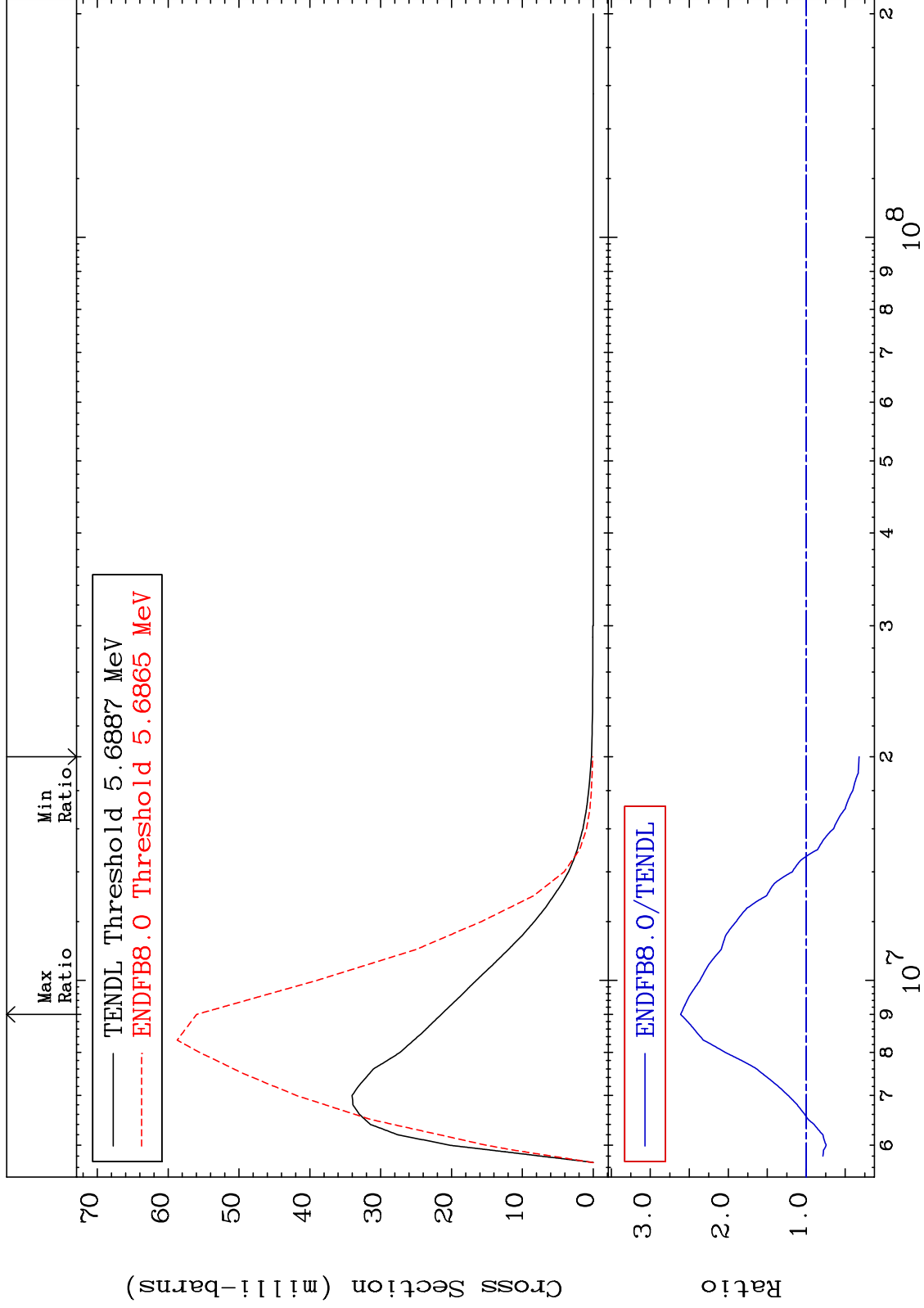
17

12-Mg-26

MAT 1231

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

12-Mg-26
-67.84 To 161.1 %



18

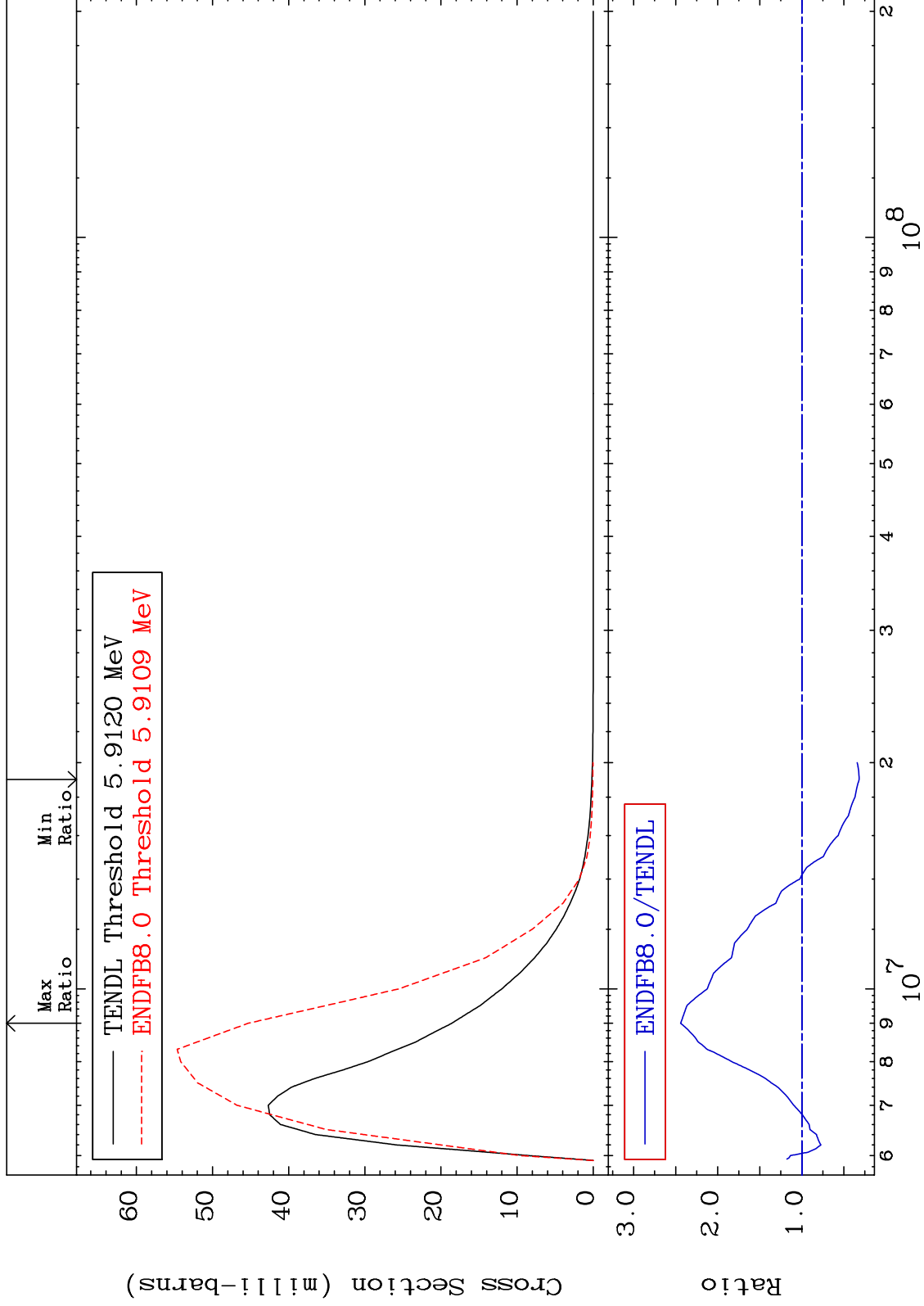
Incident Energy (eV)

12-Mg-26

MAT 1231

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

12-Mg-26
-68.18 To 144.1 %



19

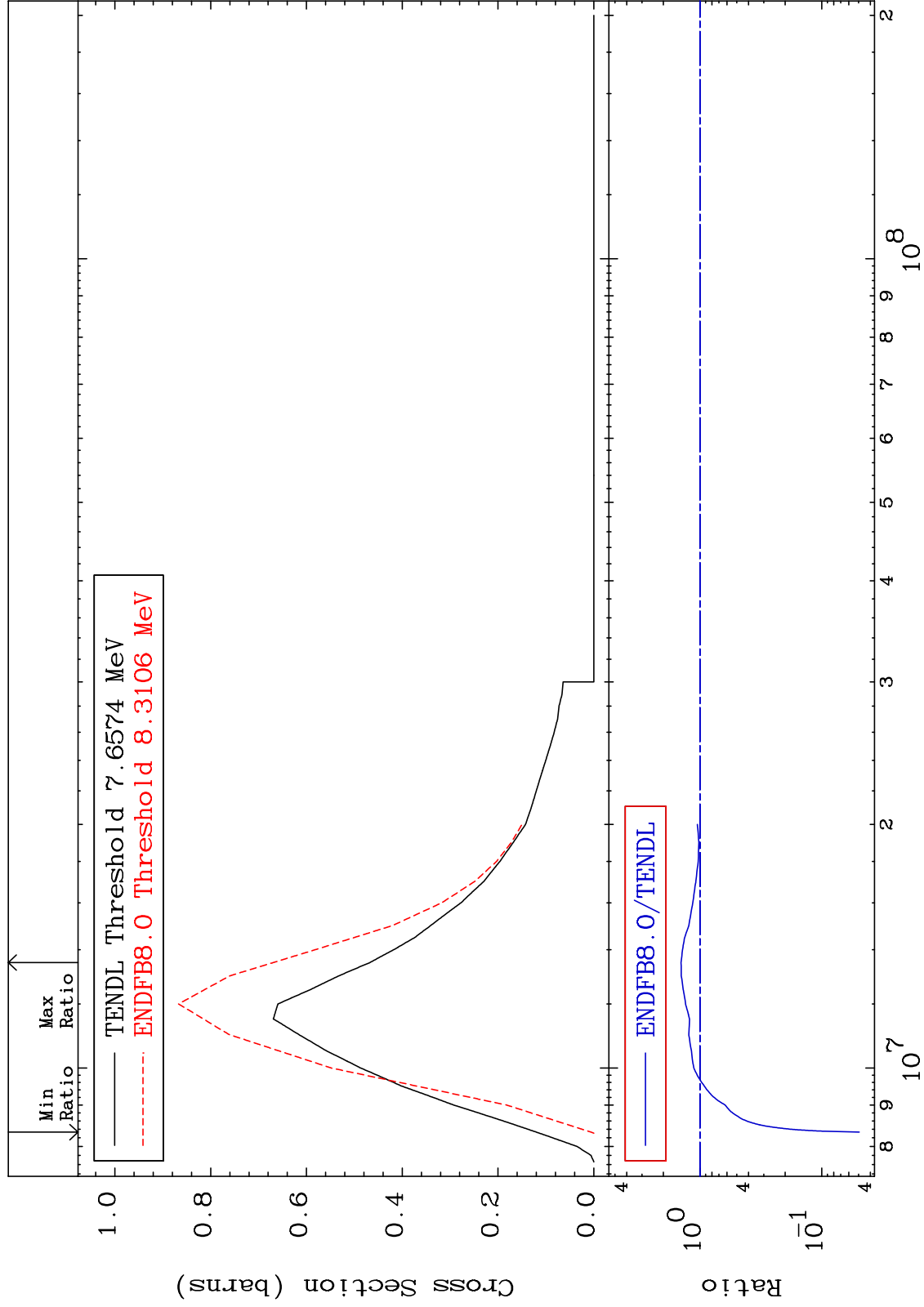
Incident Energy (eV)

12-Mg-26

MAT 1231

(n,n') Continuum
Cross Section

12-Mg-26
-95.07 To 43.17 %



20

12-Mg-26

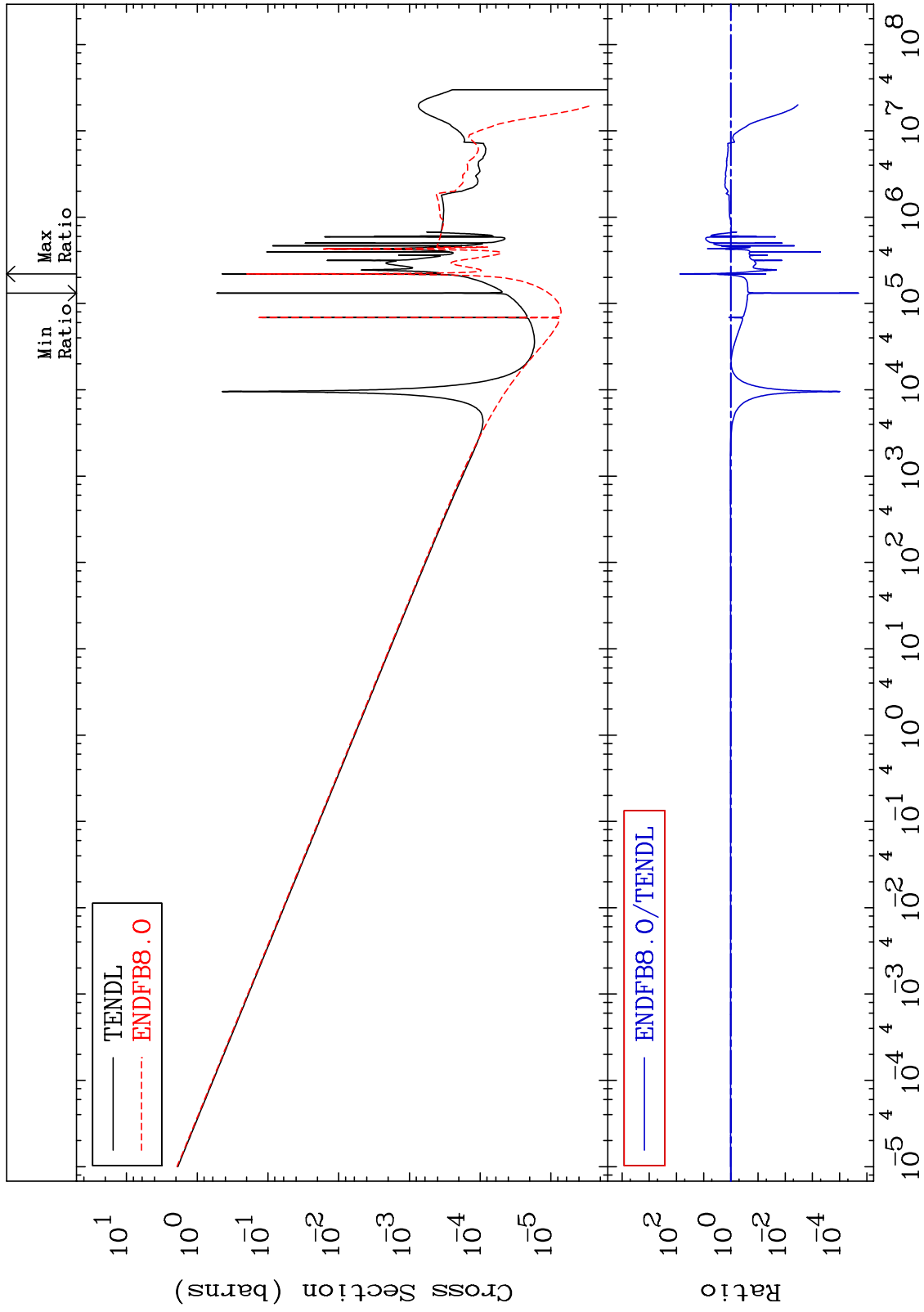
12-Mg-26

MAT 1231

(n, γ)
Cross Section

¹²Mg-26

-100.0 To 7301. %



21

Incident Energy (eV)

¹²Mg-26

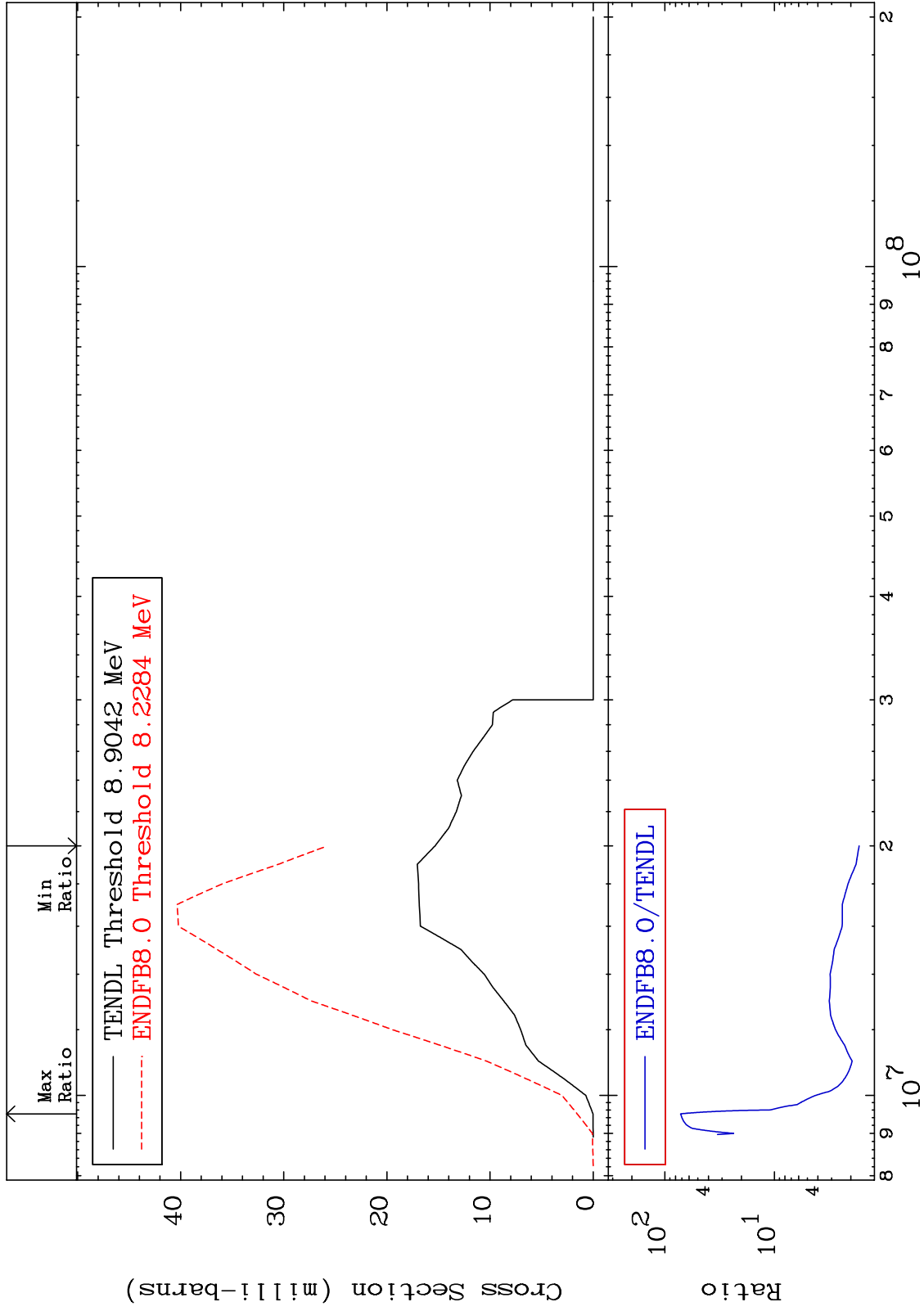
MAT 1231

(n,p)

¹²Mg-26

Cross Section

68.01 To 7074. %



22

Incident Energy (eV)

¹²Mg-26

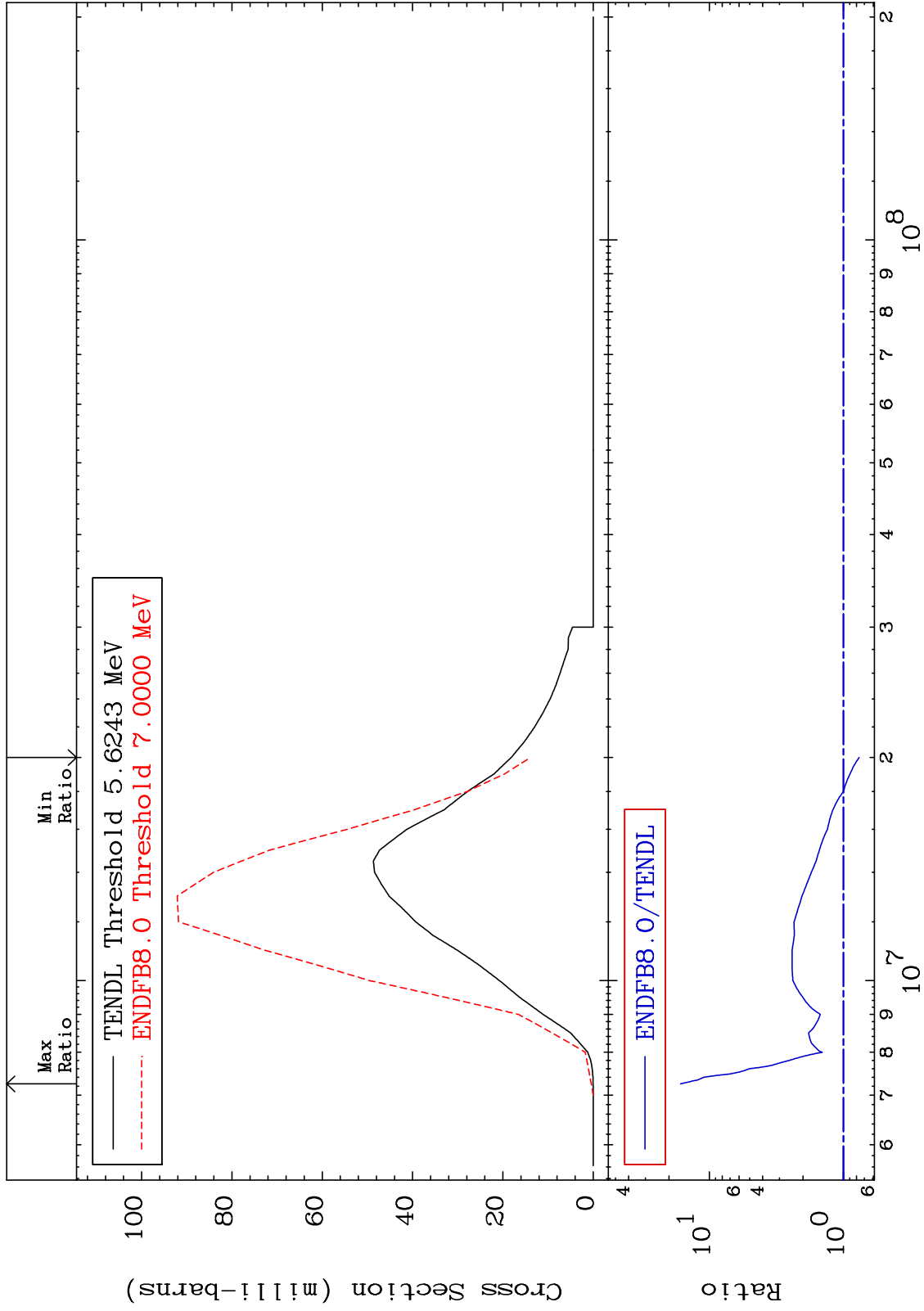
MAT 1231

(n, α)

¹²Mg-26

Cross Section

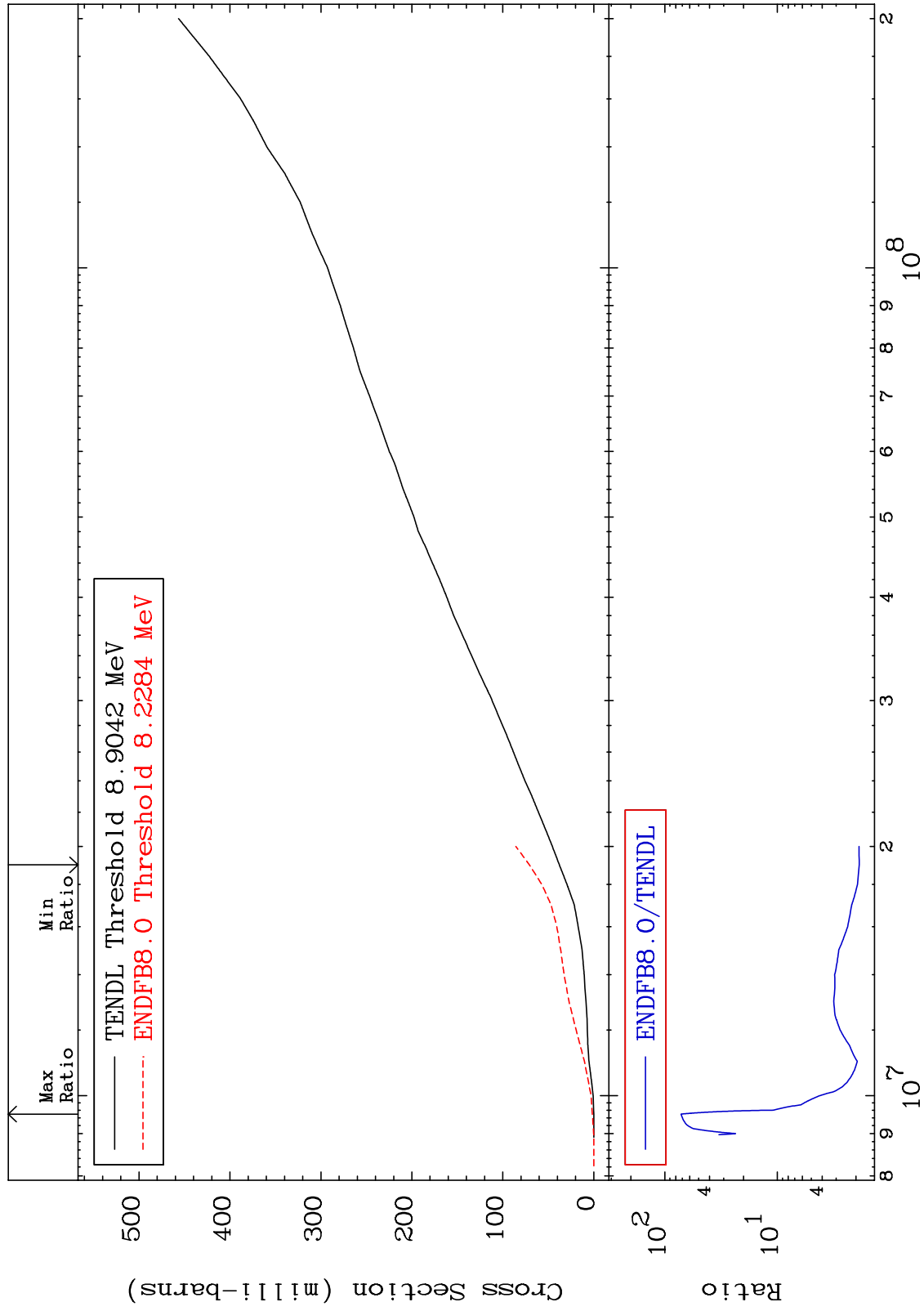
-23.59 To 1537. %



MAT 1231

Hydrogen Production
Cross Section

12-Mg-26
86.86 To 7074. %



24

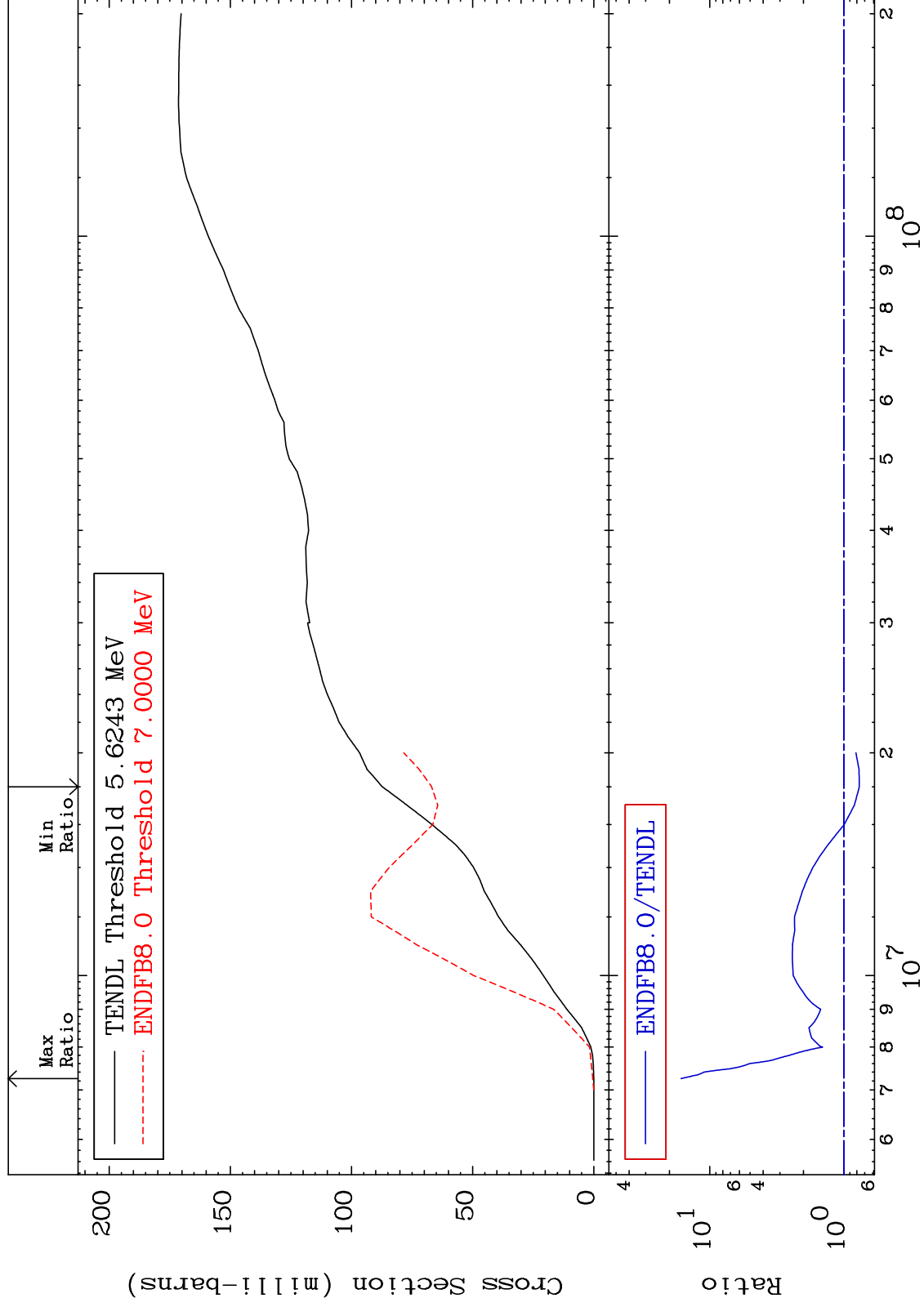
Incident Energy (eV)

12-Mg-26

MAT 1231

He-4 Production
Cross Section

12-Mg-26
-23.32 To 1537. %



25

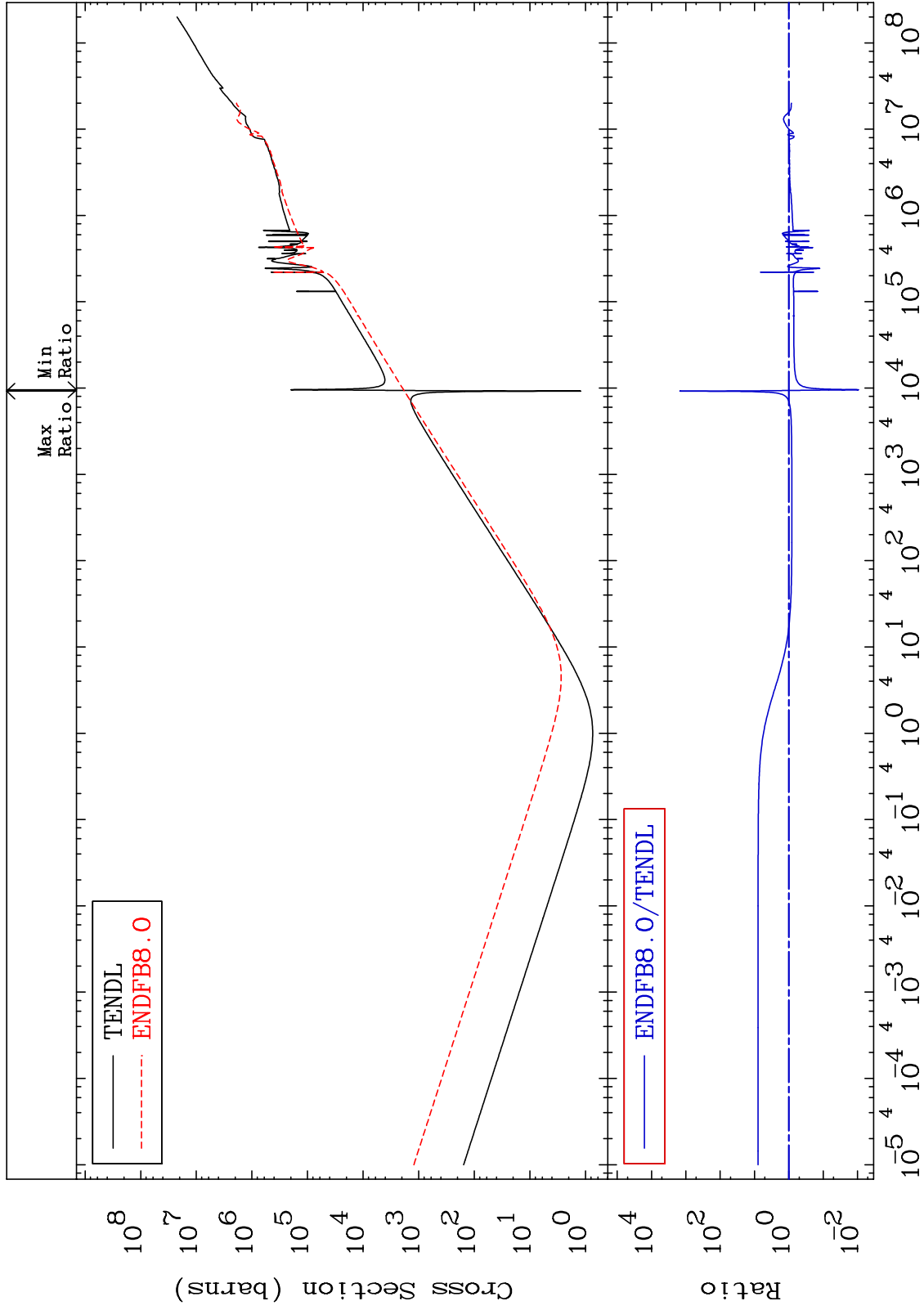
Incident Energy (eV)

12-Mg-26

MAT 1231

Kerma total (eV-barns)
Cross Section

12-Mg-26
-99.06 To 9999. %



26

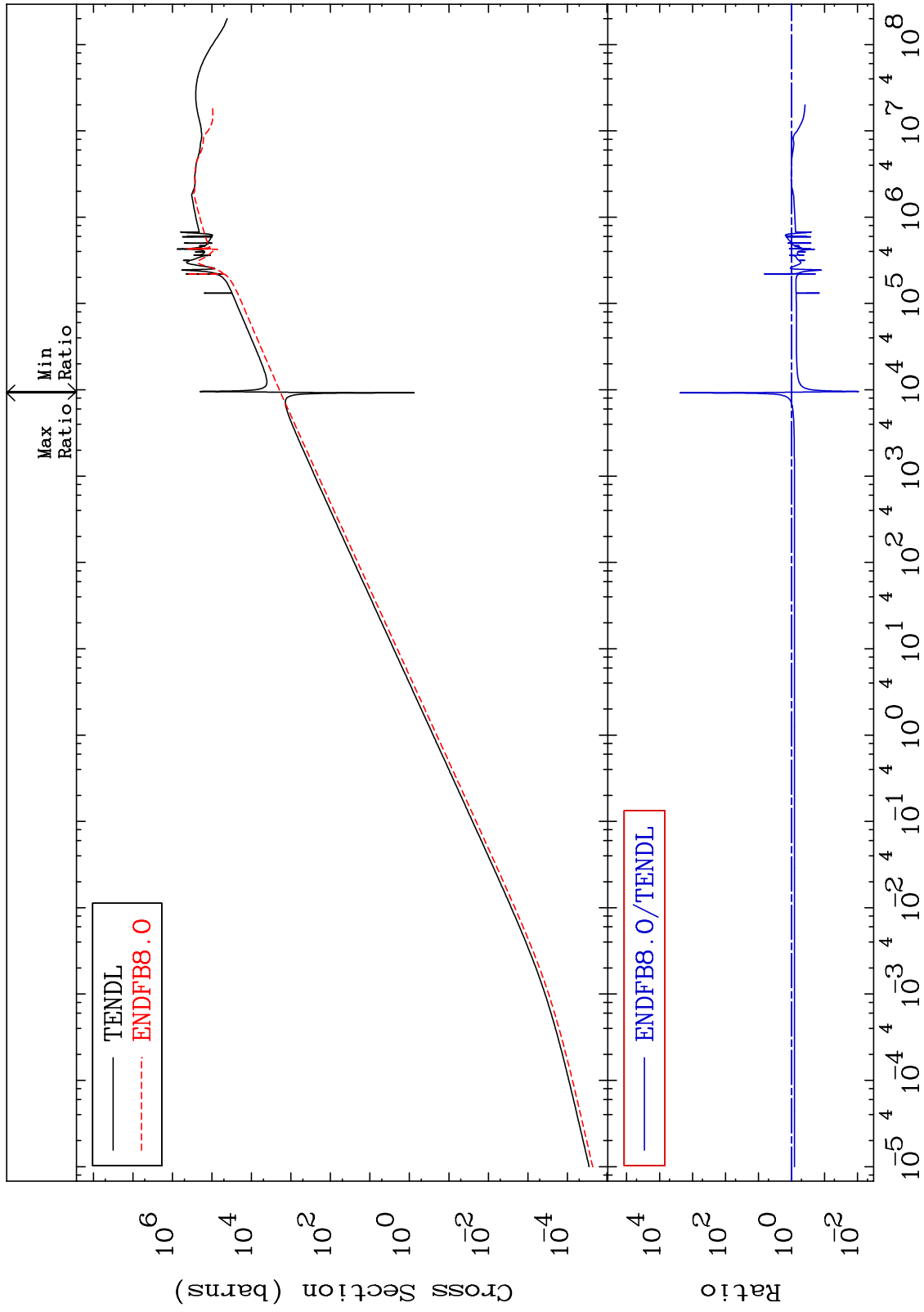
Incident Energy (eV)

12-Mg-26

MAT 1231

Kerma elastic
Cross Section

12-Mg-26
-99.06 To 9999. %



27

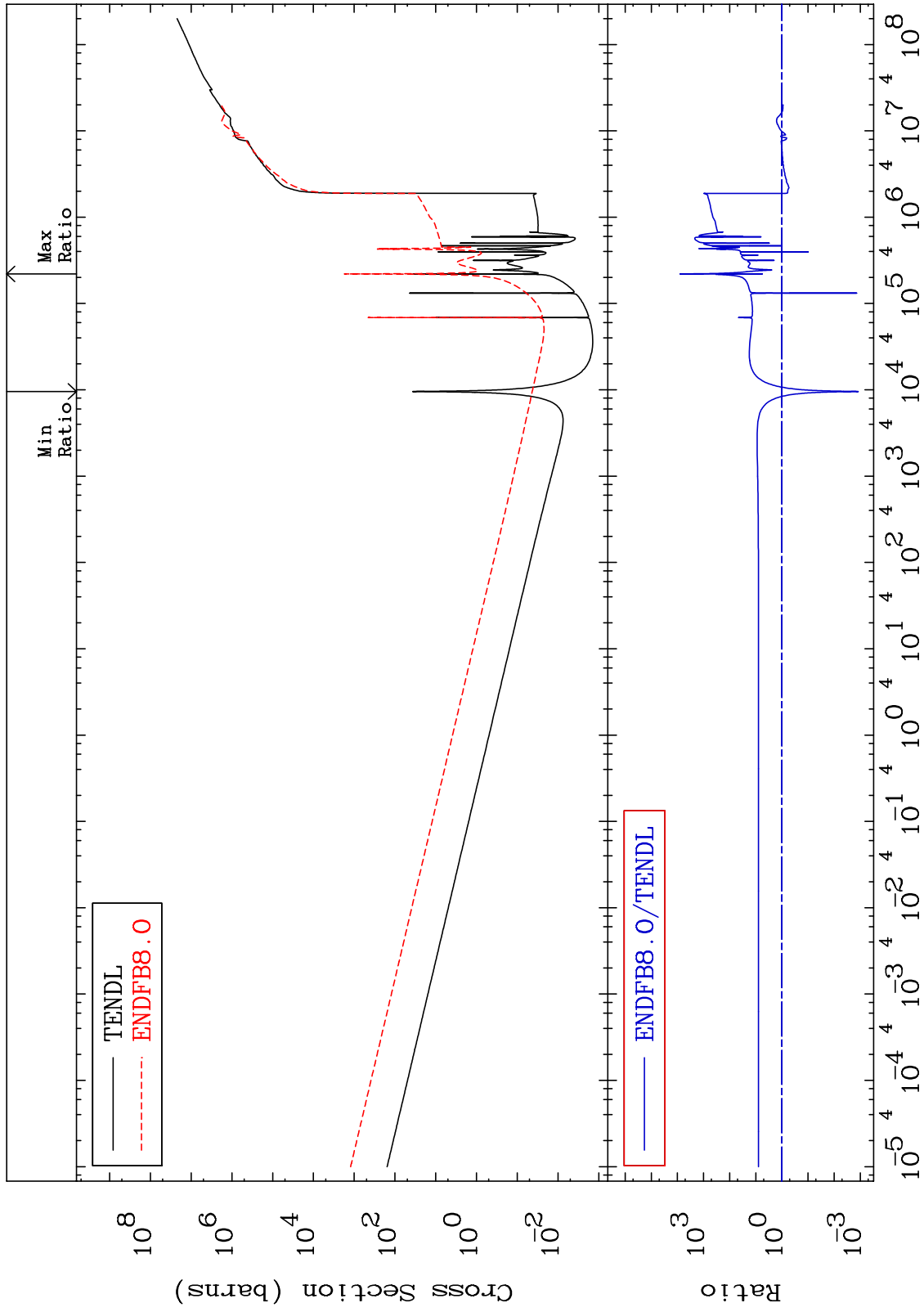
Incident Energy (eV)

12-Mg-26

MAT 1231

Kerma non-elastic (all but mt2)
Cross Section

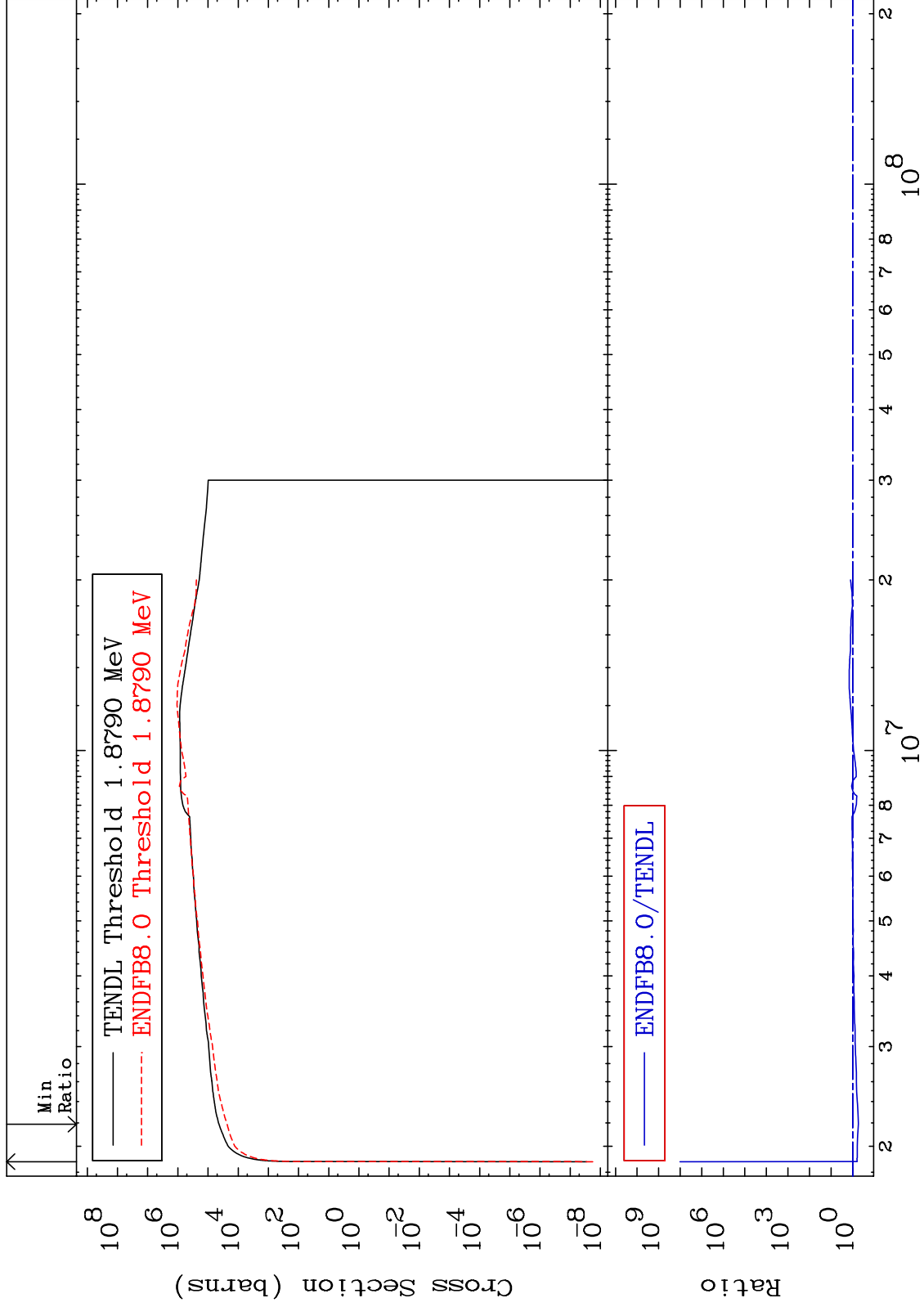
12-Mg-26
-99.88 To 9999. %



MAT 1231

Kerma inelastic (mt51-91)
Cross Section

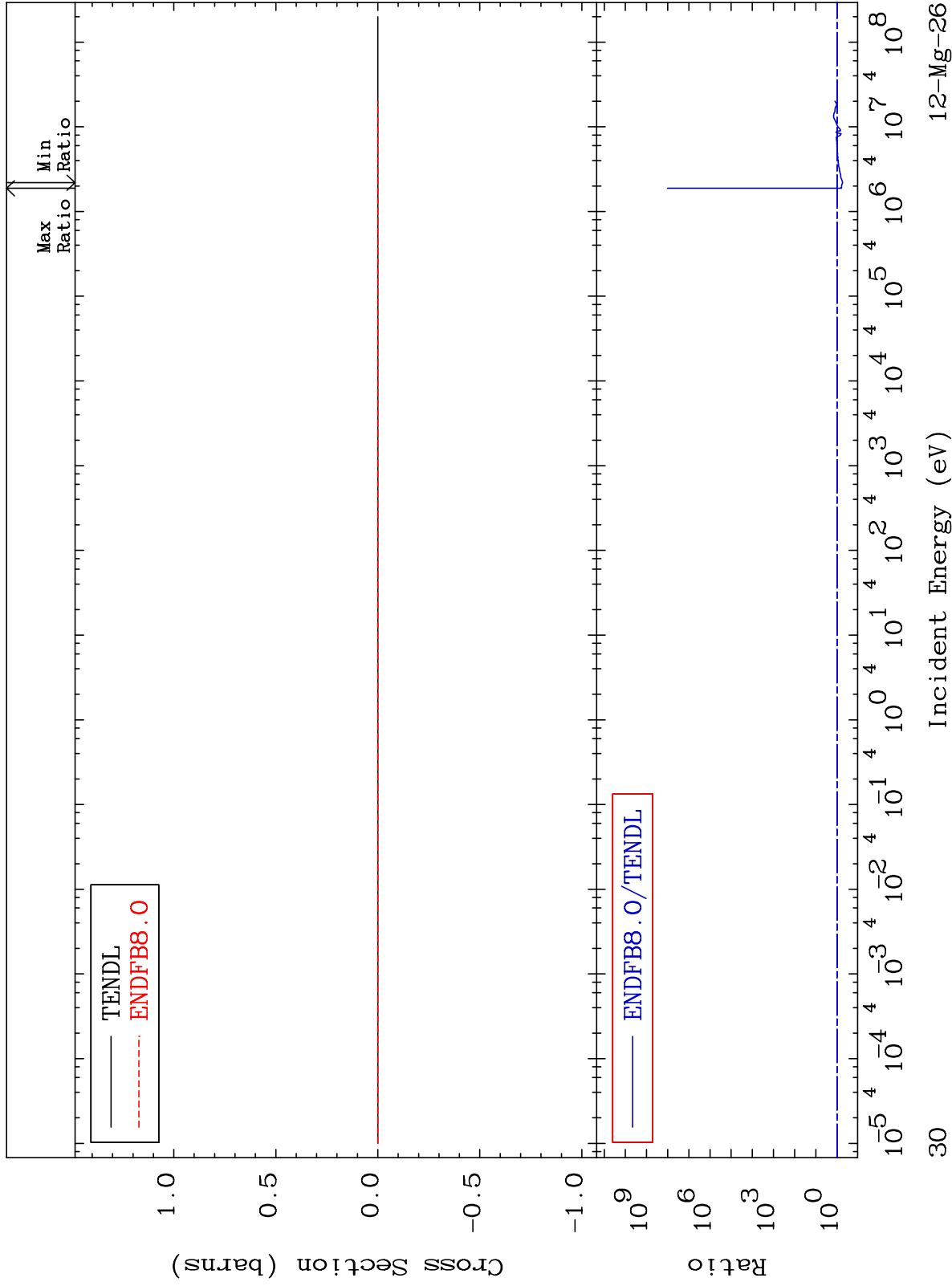
12-Mg-26
-46.31 To 9999. %



MAT 1231

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

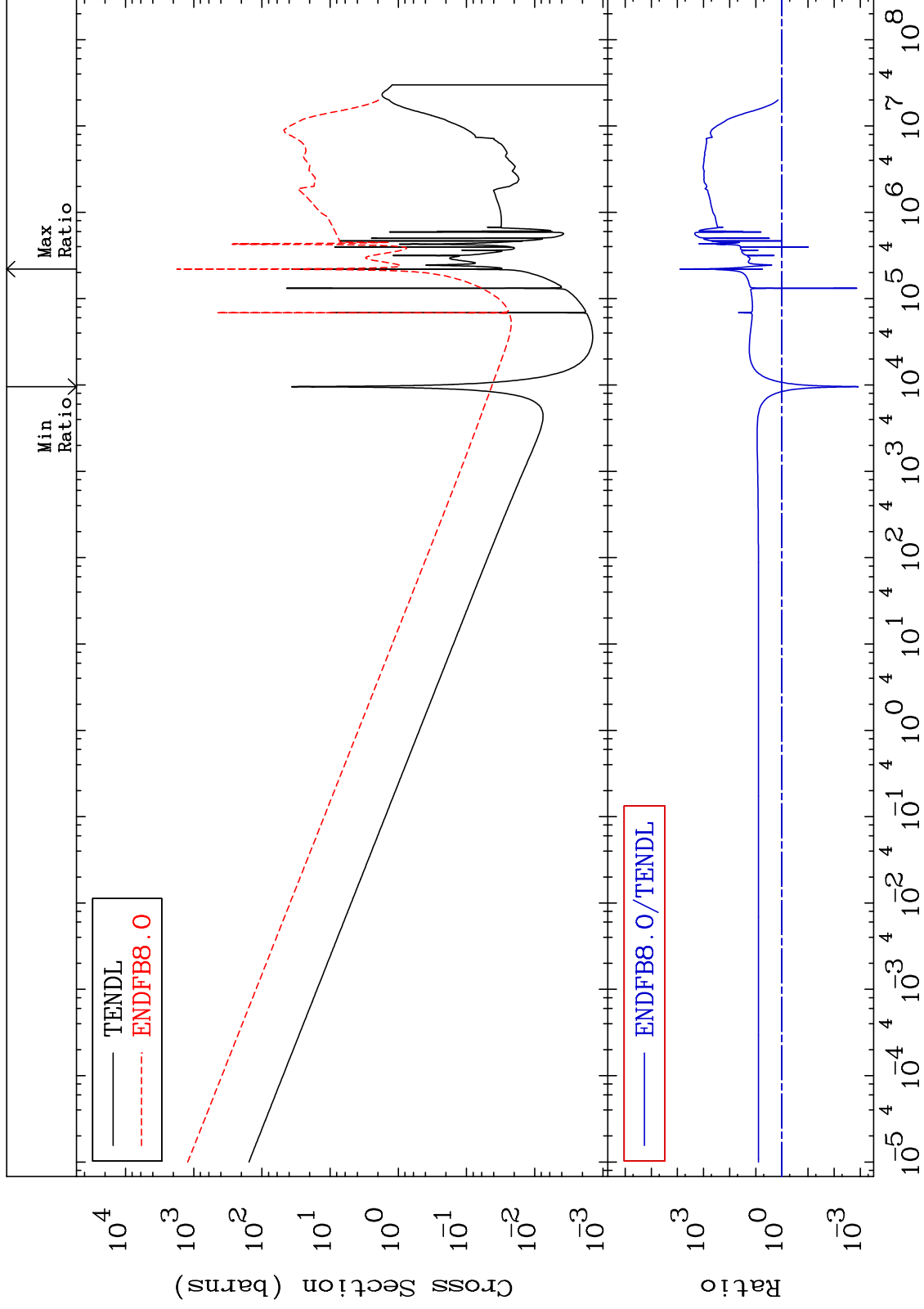
12-Mg-26
-46.31 To 9999. %



MAT 1231

Kerma capture (mt102)
Cross Section

12-Mg-26
-99.88 To 9999. %



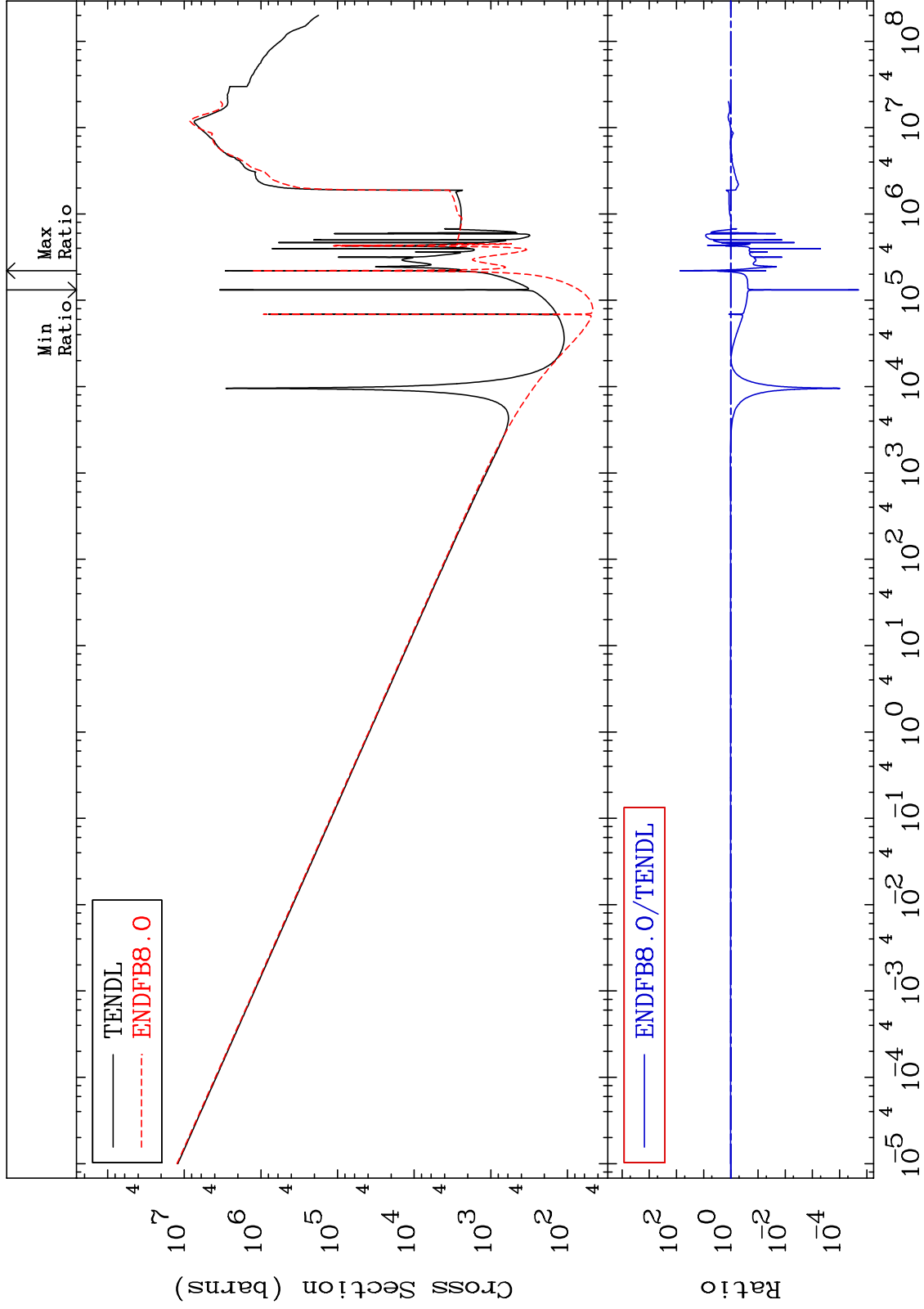
— TENDL
- - - ENDFB8.0

— ENDFB8.0/TENDL

MAT 1231

Total photon (eV-barns)
Cross Section

12-Mg-26
-100.0 To 7311. %



32

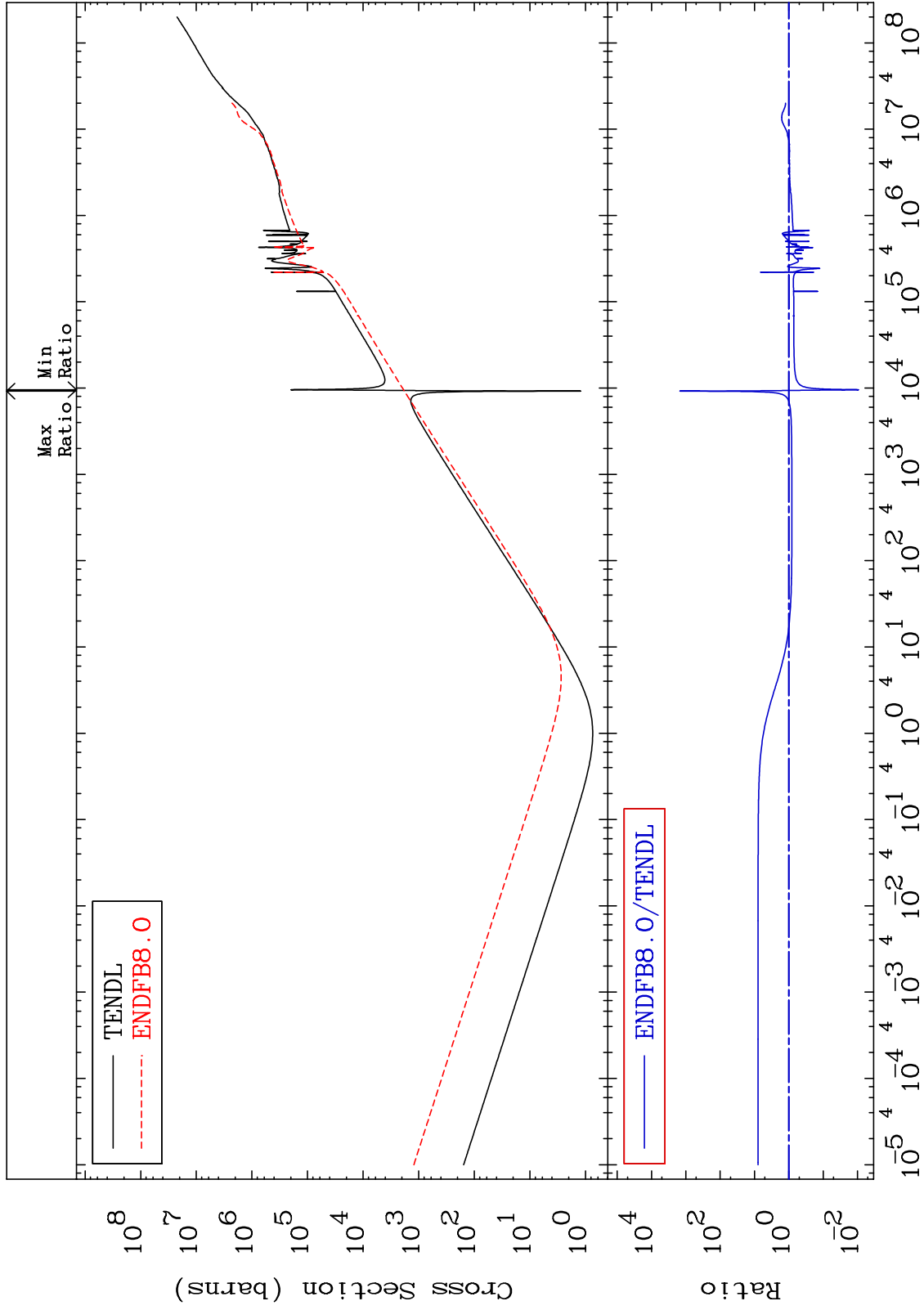
Incident Energy (eV)

12-Mg-26

MAT 1231

Total kinematic kerma (high limit)
Cross Section

12-Mg-26
-99.06 To 9999. %



33

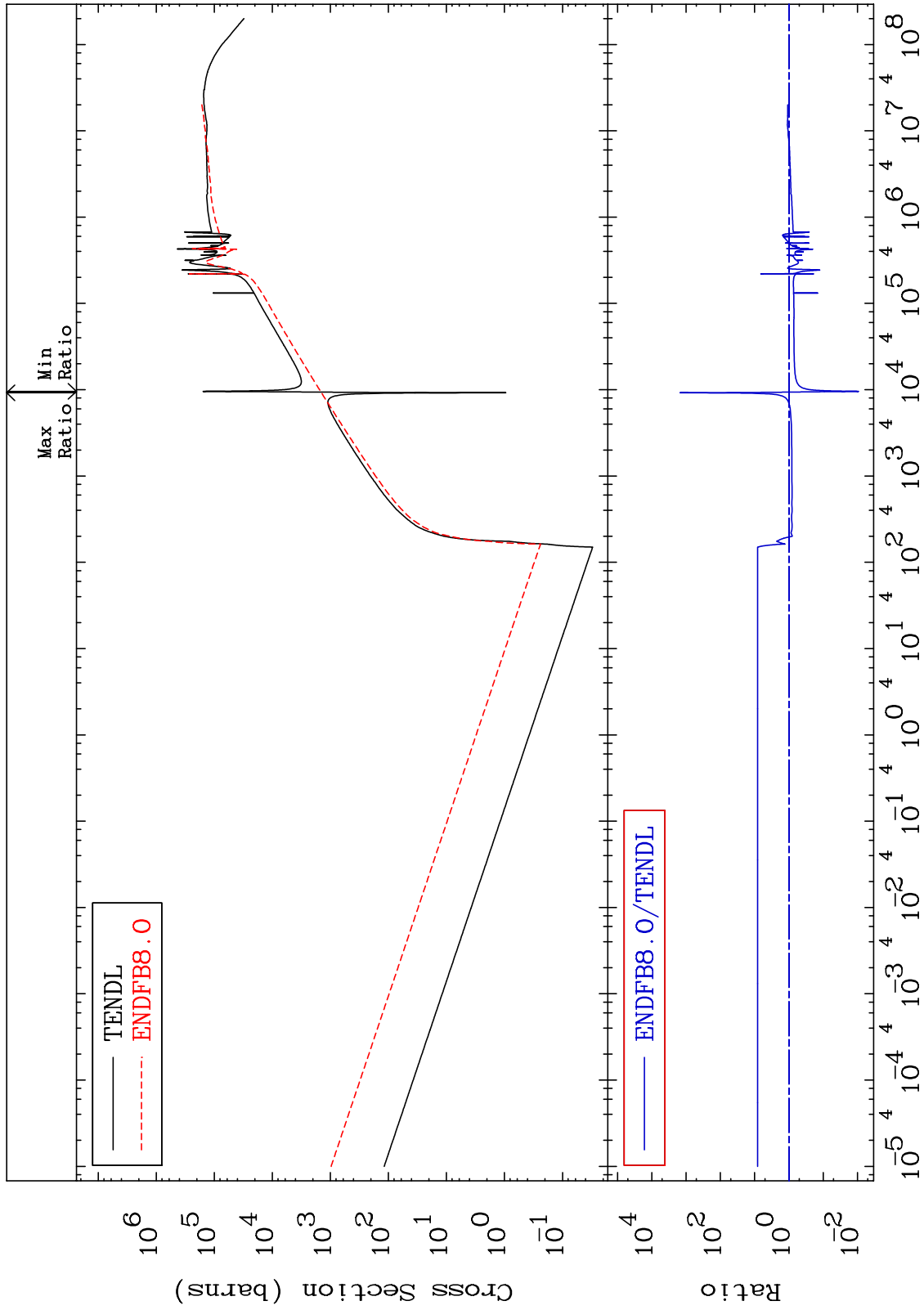
Incident Energy (eV)

12-Mg-26

MAT 1231

Dpa total (eV-barns)
Cross Section

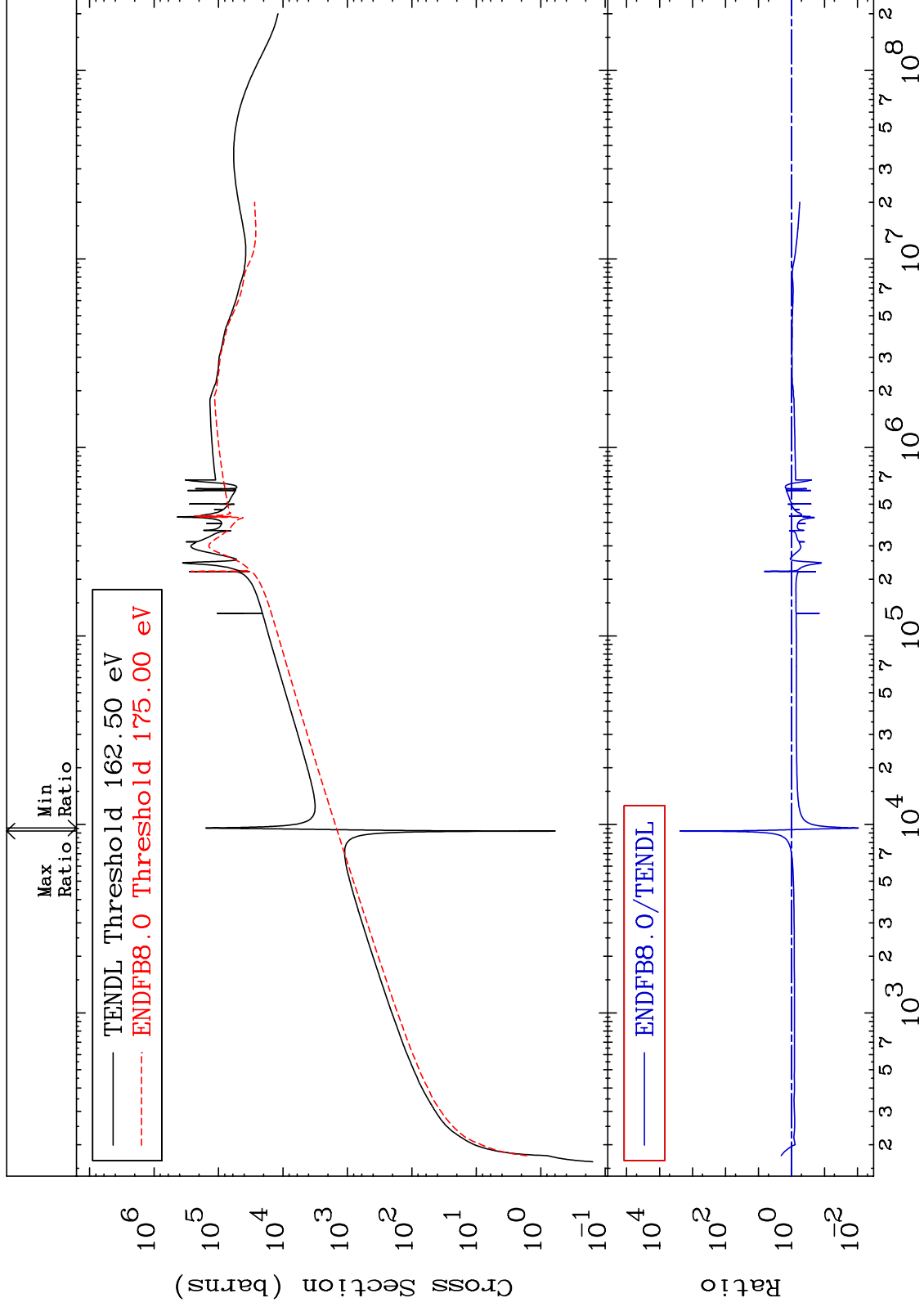
12-Mg-26
-99.06 To 9999. %



MAT 1231

Dpa elastic (mt2)
Cross Section

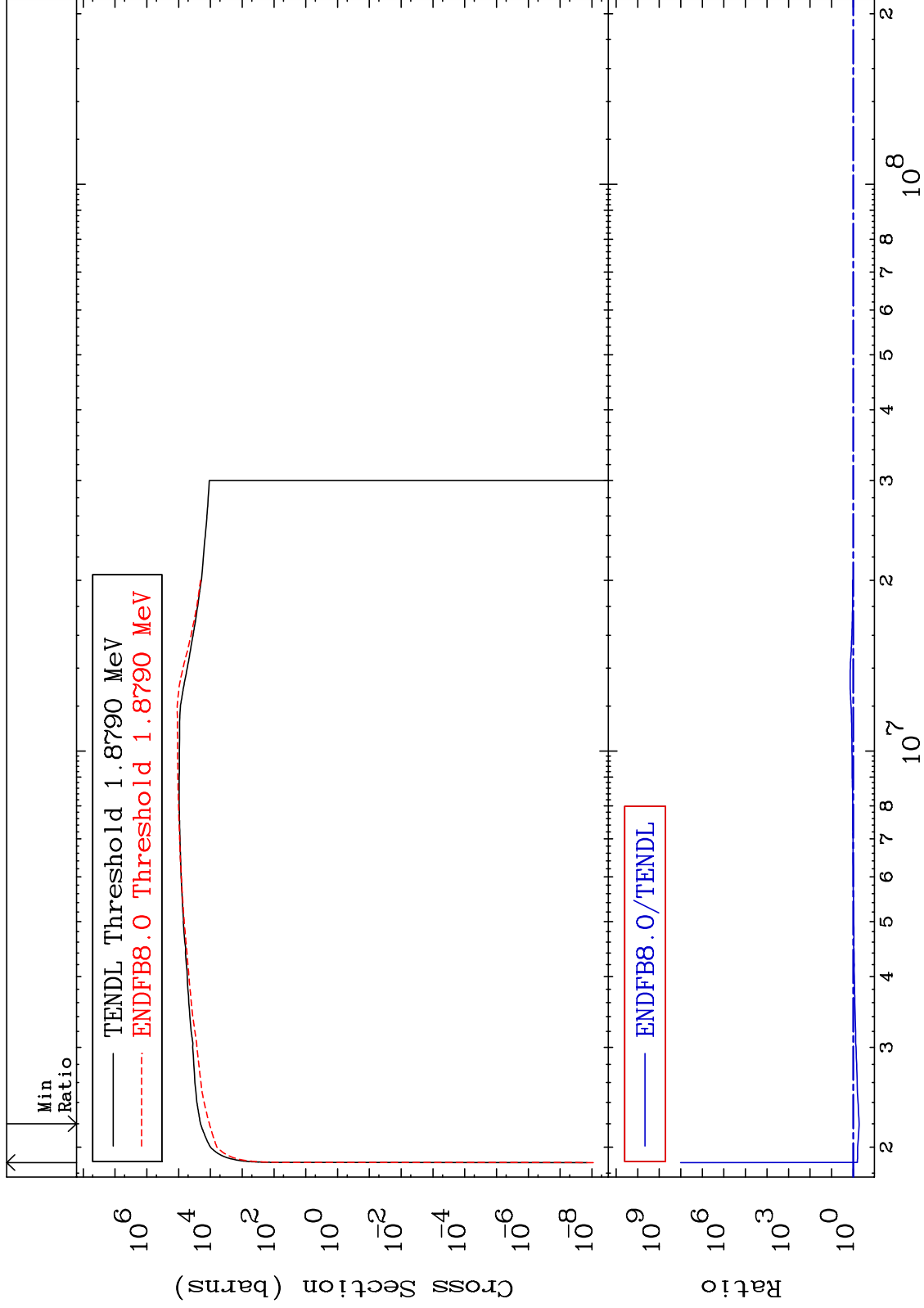
12-Mg-26
-99.06 To 9999. %



MAT 1231

Dpa inelastic (mt51-91)
Cross Section

12-Mg-26
-47.34 To 9999. %



MAT 1231

Dpa disappearance (mt102 -120)
Cross Section

12-Mg-26
-99.98 To 9999. %

