

Program Complot
(Version 2021-1)

by

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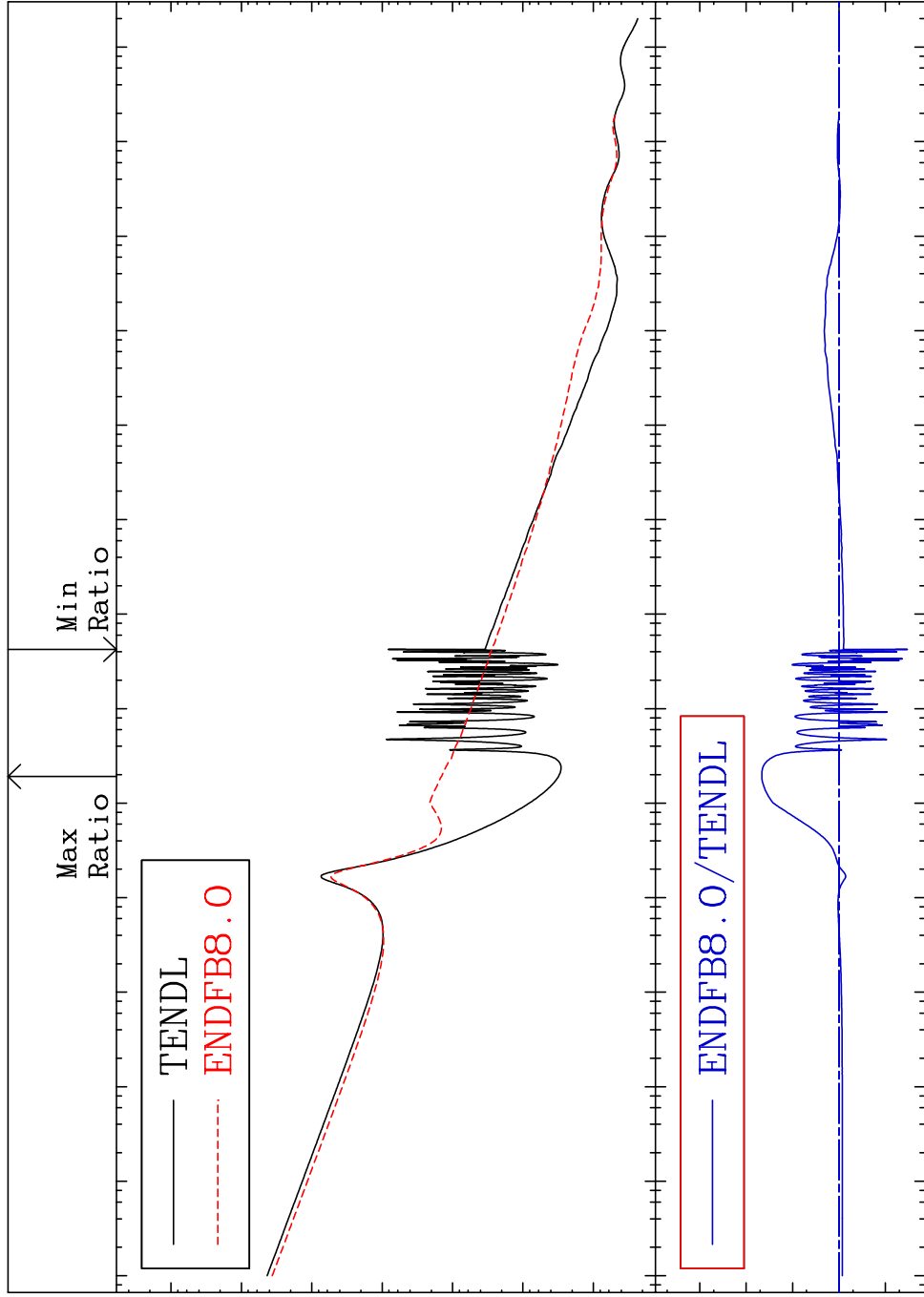
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6153

Total Cross Section -96.61 To 4491. %

61-Pm-148m



Cross Section (barns)
Ratio

Incident Energy (eV)

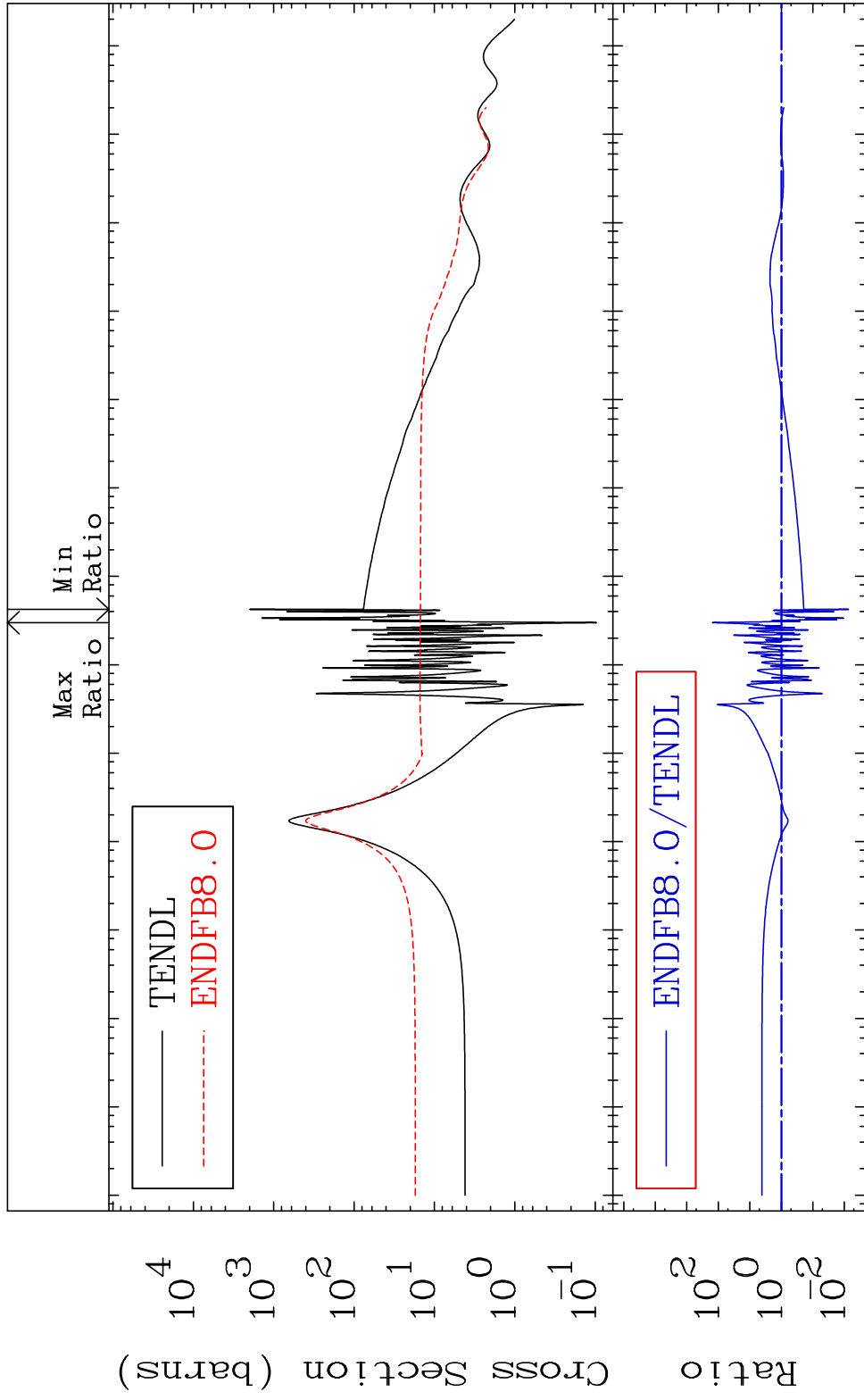
1 61-Pm-148m

MAT 6153

Elastic

61-Pm-148m

Cross Section -99.25 To 9999. %



2

Incident Energy (eV)

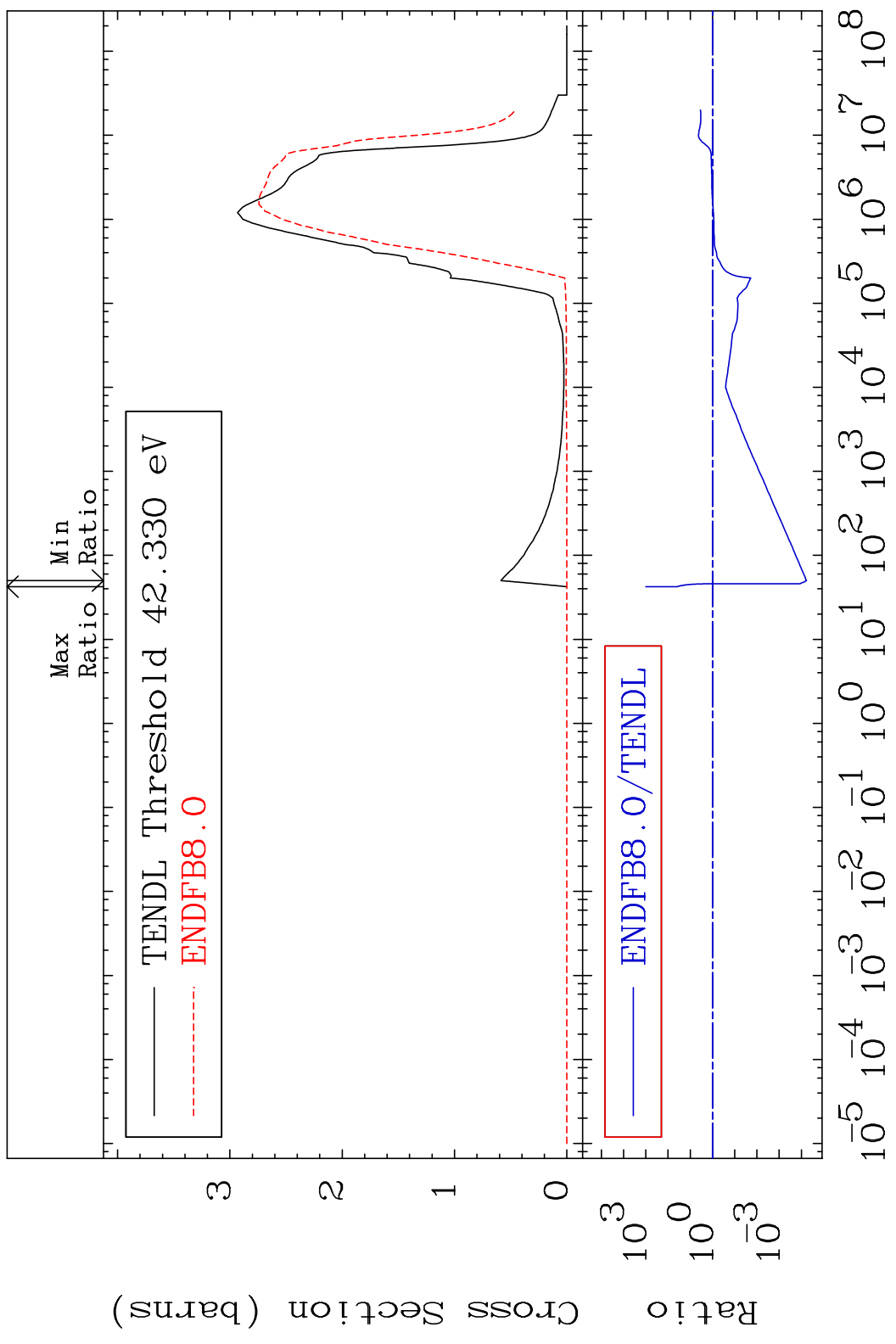
61-Pm-148m

MAT 6153

Inelastic

61-Pm-148m

Cross Section -99.99 To 3770. %



3

Incident Energy (eV)

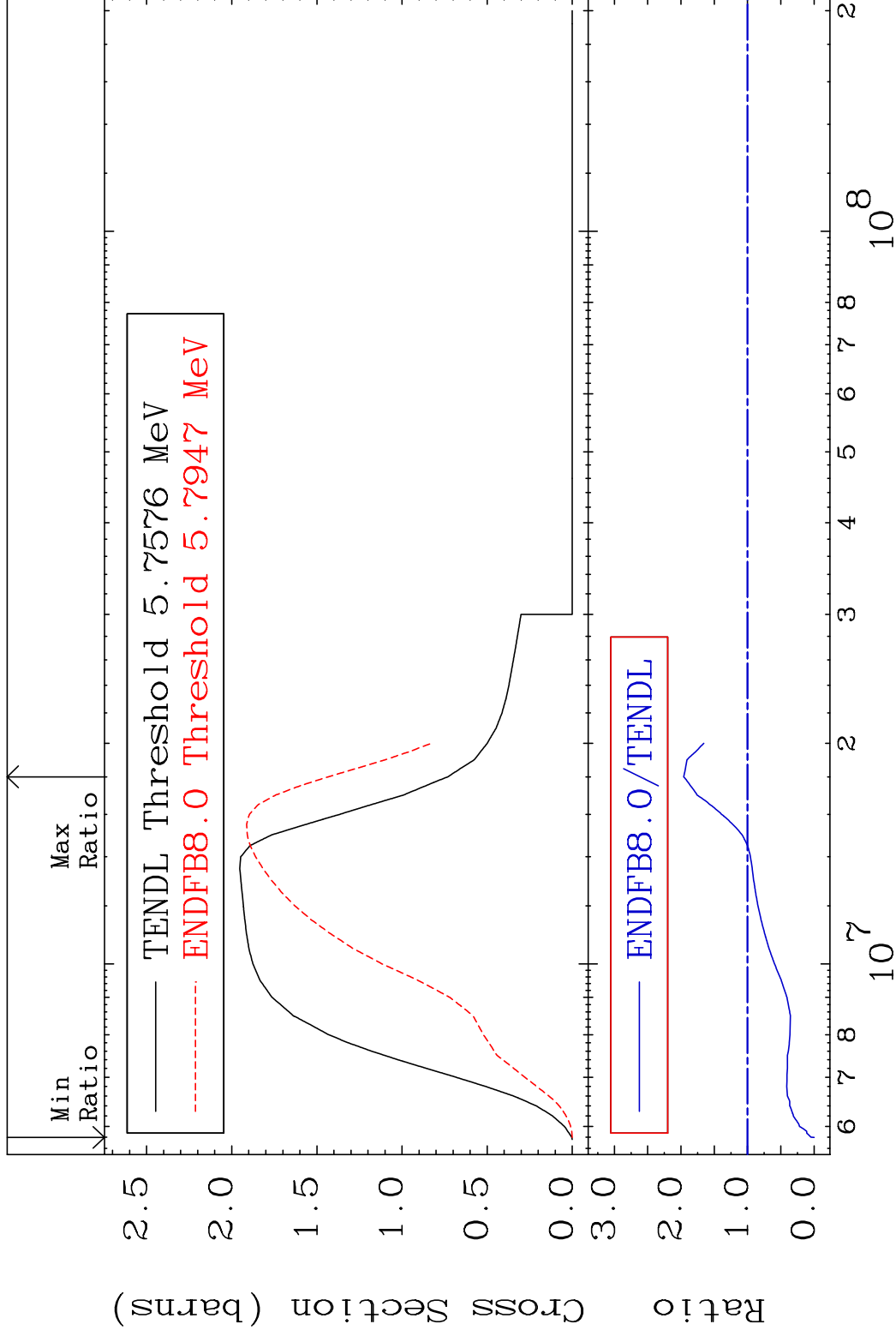
61-Pm-148m

MAT 6153

(n,2n)

61-Pm-148m

Cross Section -100.0 To 95.97 %



4

Incident Energy (eV)

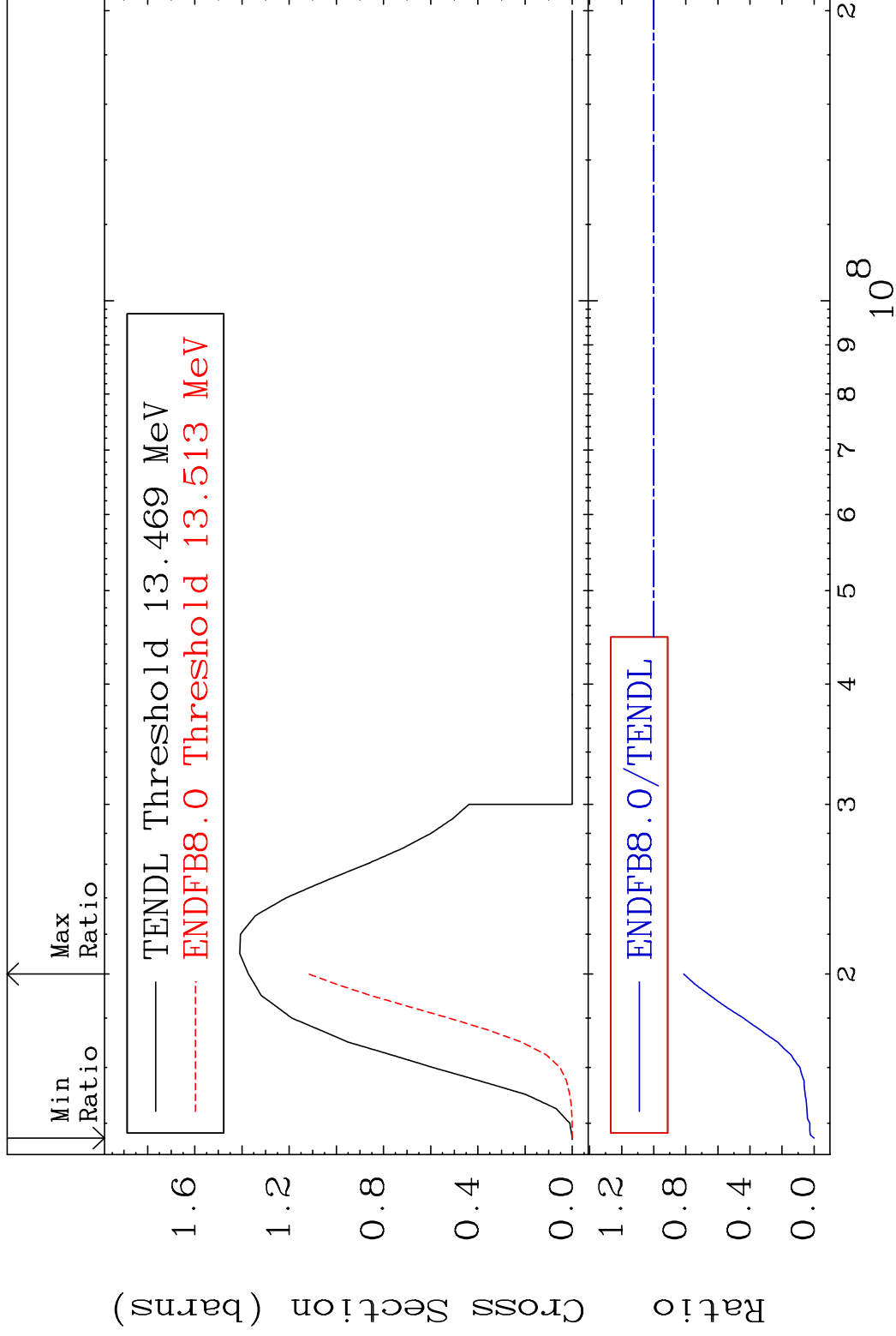
61-Pm-148m

MAT 6153

(n,3n)

61-Pm-148m

Cross Section -100.0 To -18.66%



5

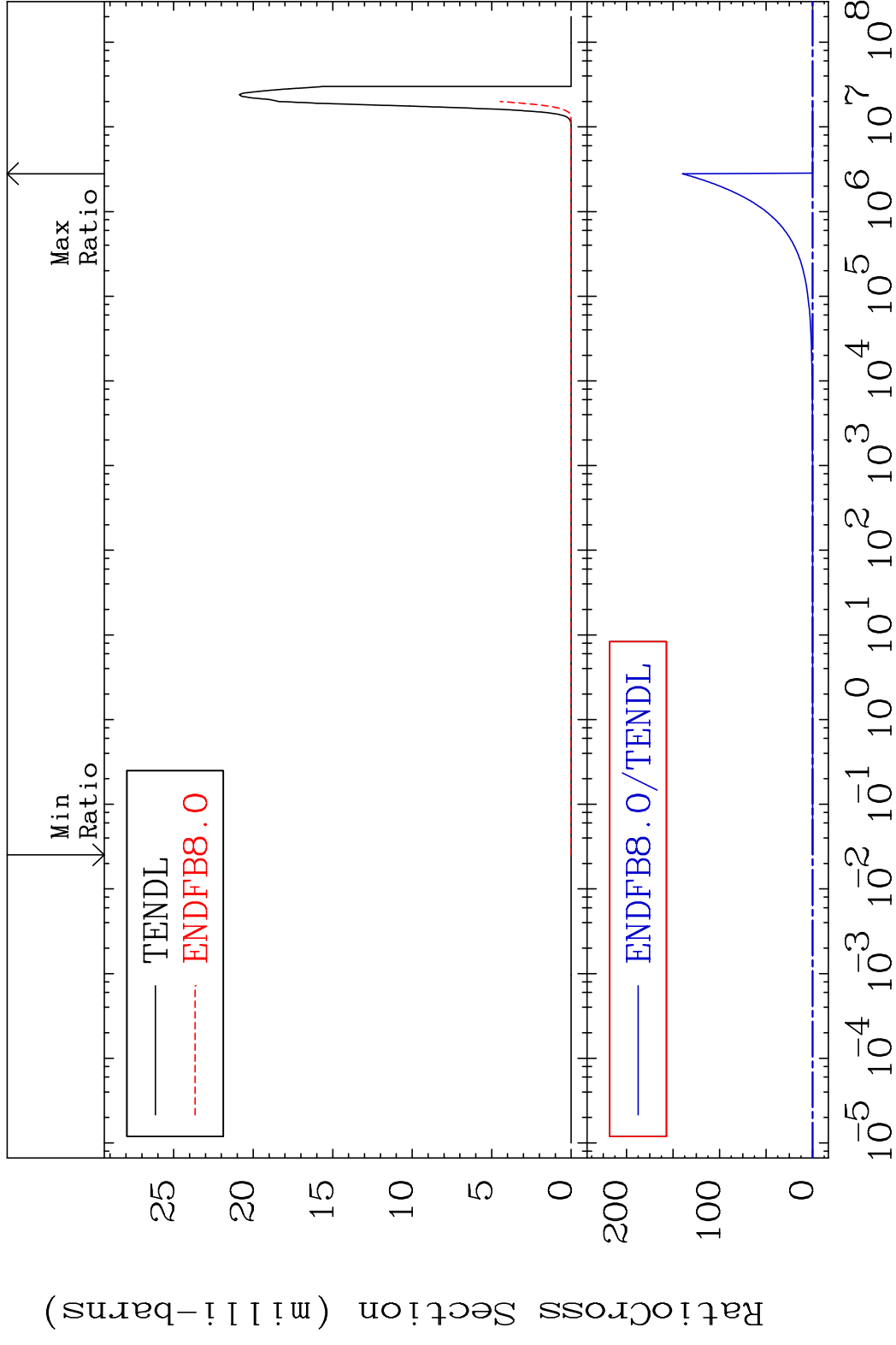
Incident Energy (eV)

61-Pm-148m

MAT 6153

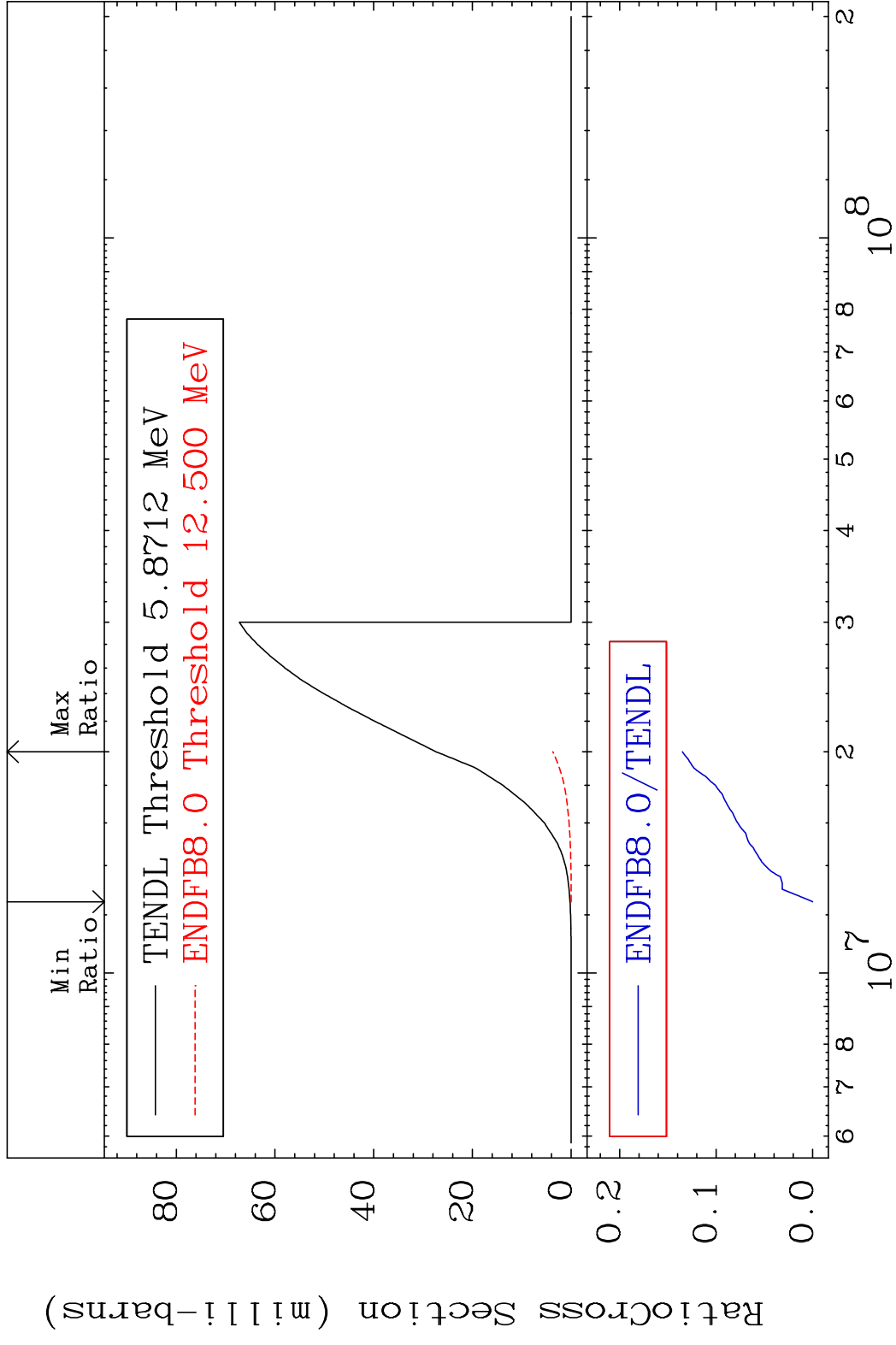
(n, n') α 61-Pm-148m

Cross Section -100.0 To 9999. %



MAT 6153

(n, n') p 61-Pm-148m
Cross Section -100.0 To -86.50%

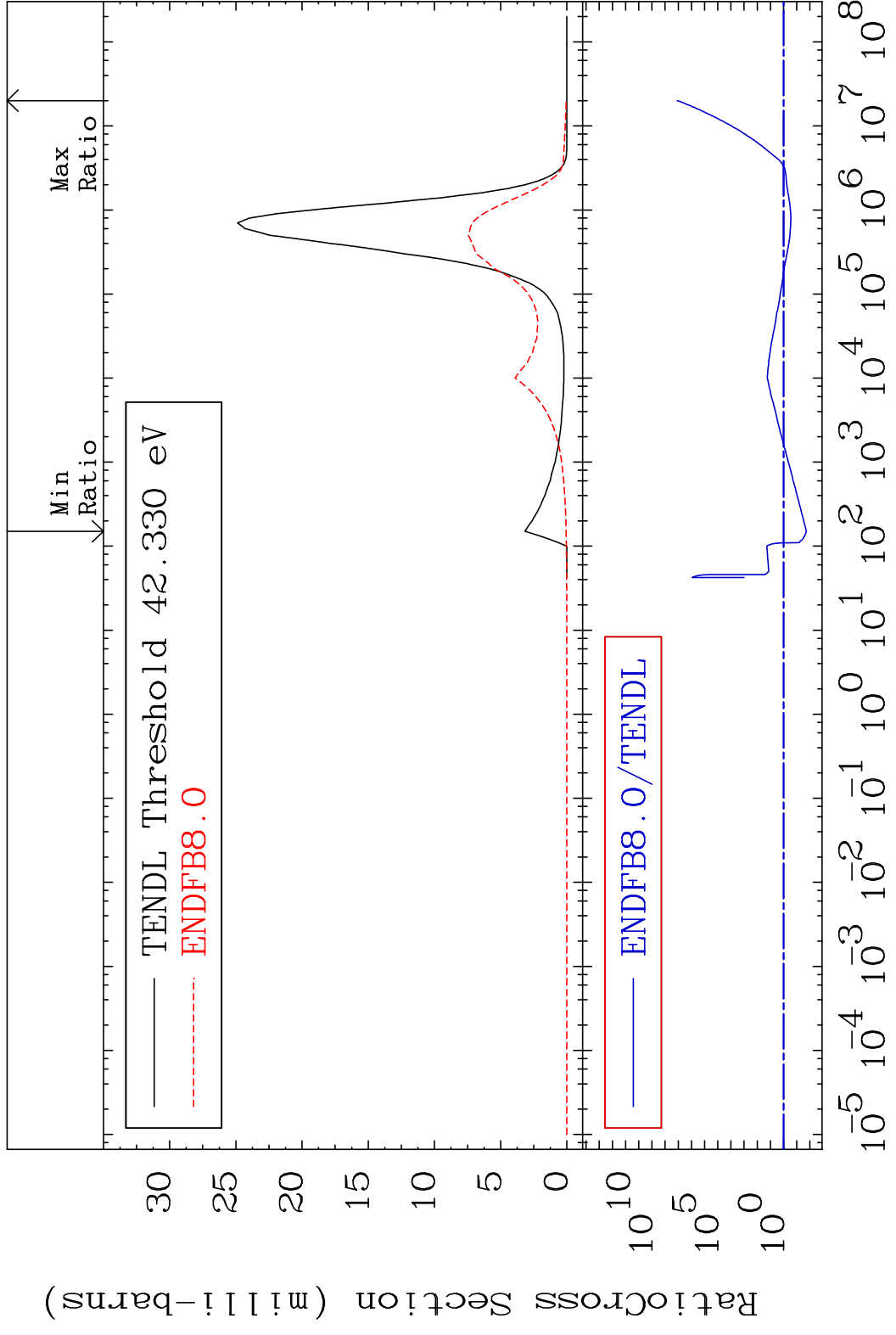


7

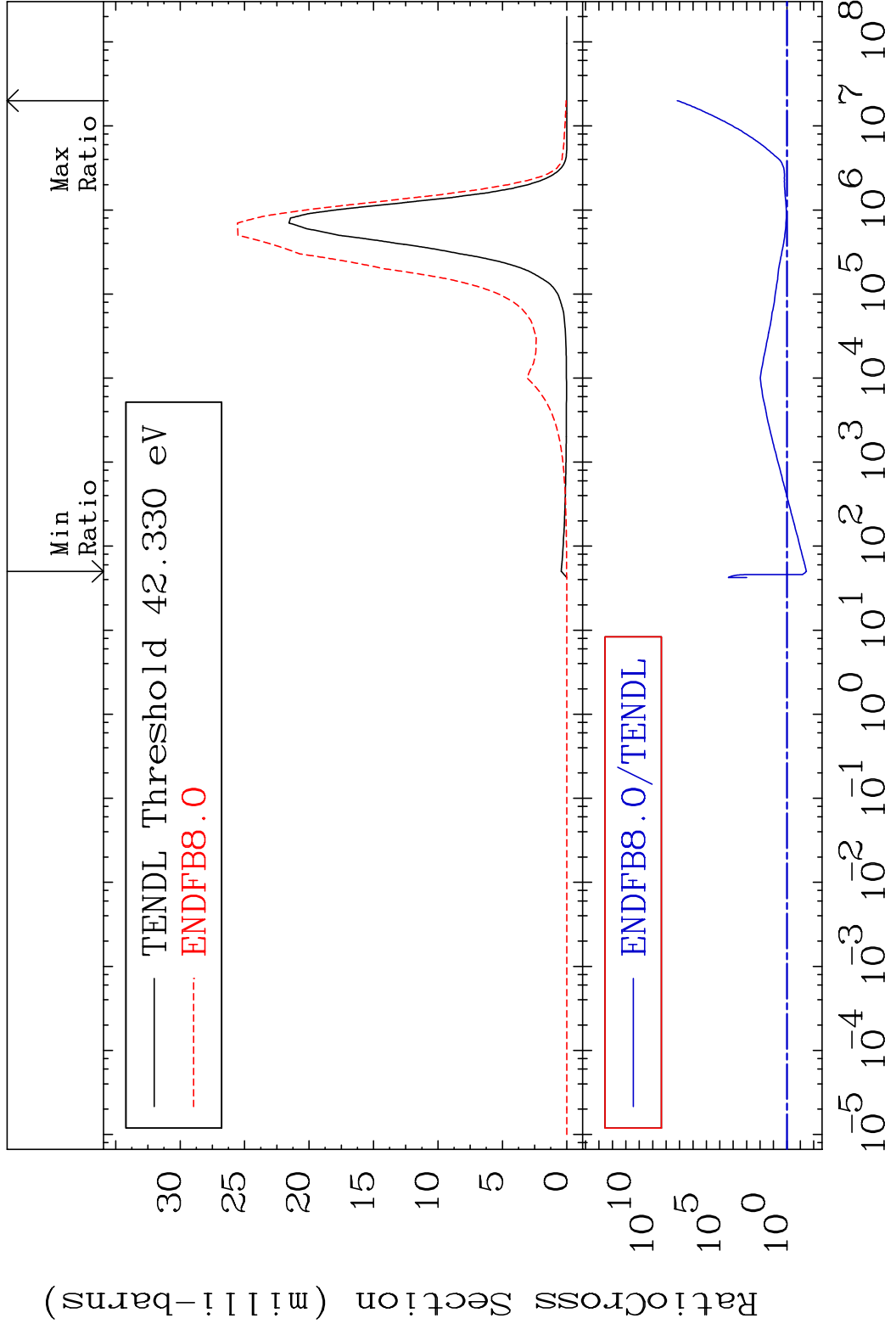
Incident Energy (eV)

61-Pm-148m

MAT 6153 MT= 51 (n, n') Level 61-Pm-148m
 Cross Section -98.15 To 9999. %



MAT 6153 MT= 52 (n, n') Level 61-Pm-148m
 Cross Section -96.46 To 9999. %

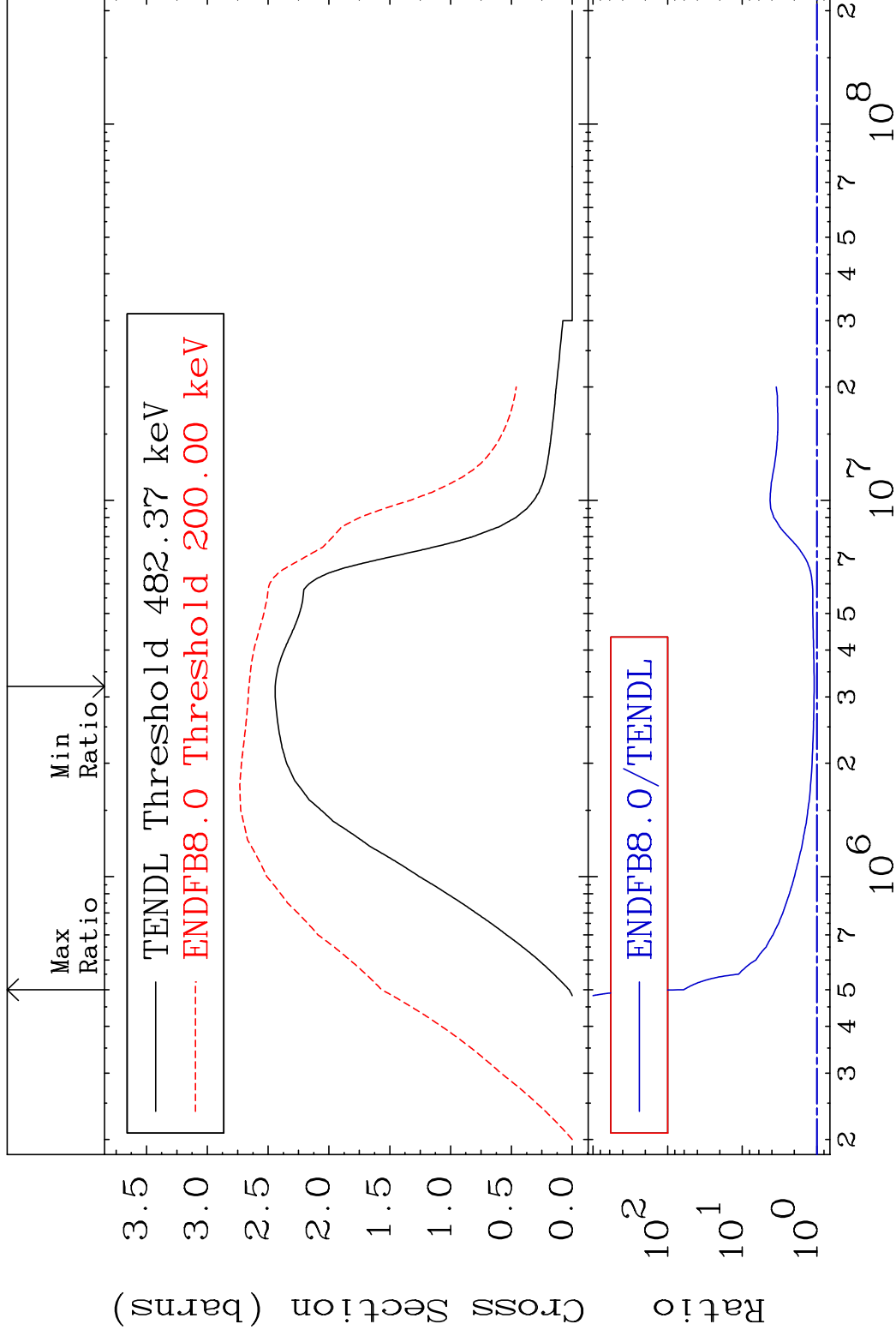


MAT 6153

(n, n') Continuum

61-Pm-148m

Cross Section 8.826 To 6002. %



10

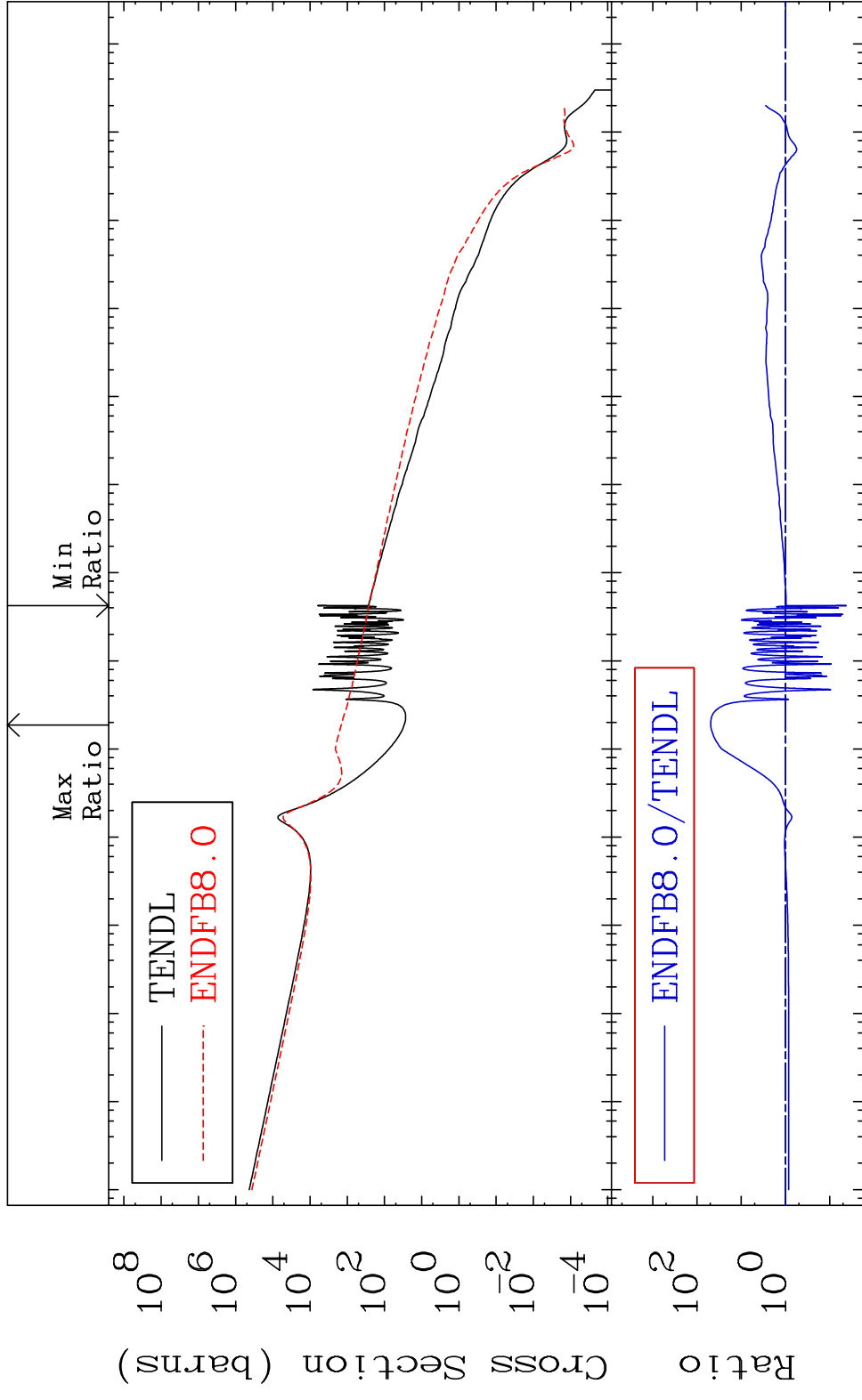
Incident Energy (eV)

61-Pm-148m

MAT 6153

(n, γ)
Cross Section -95.77 To 4801. %

61-Pm-148m

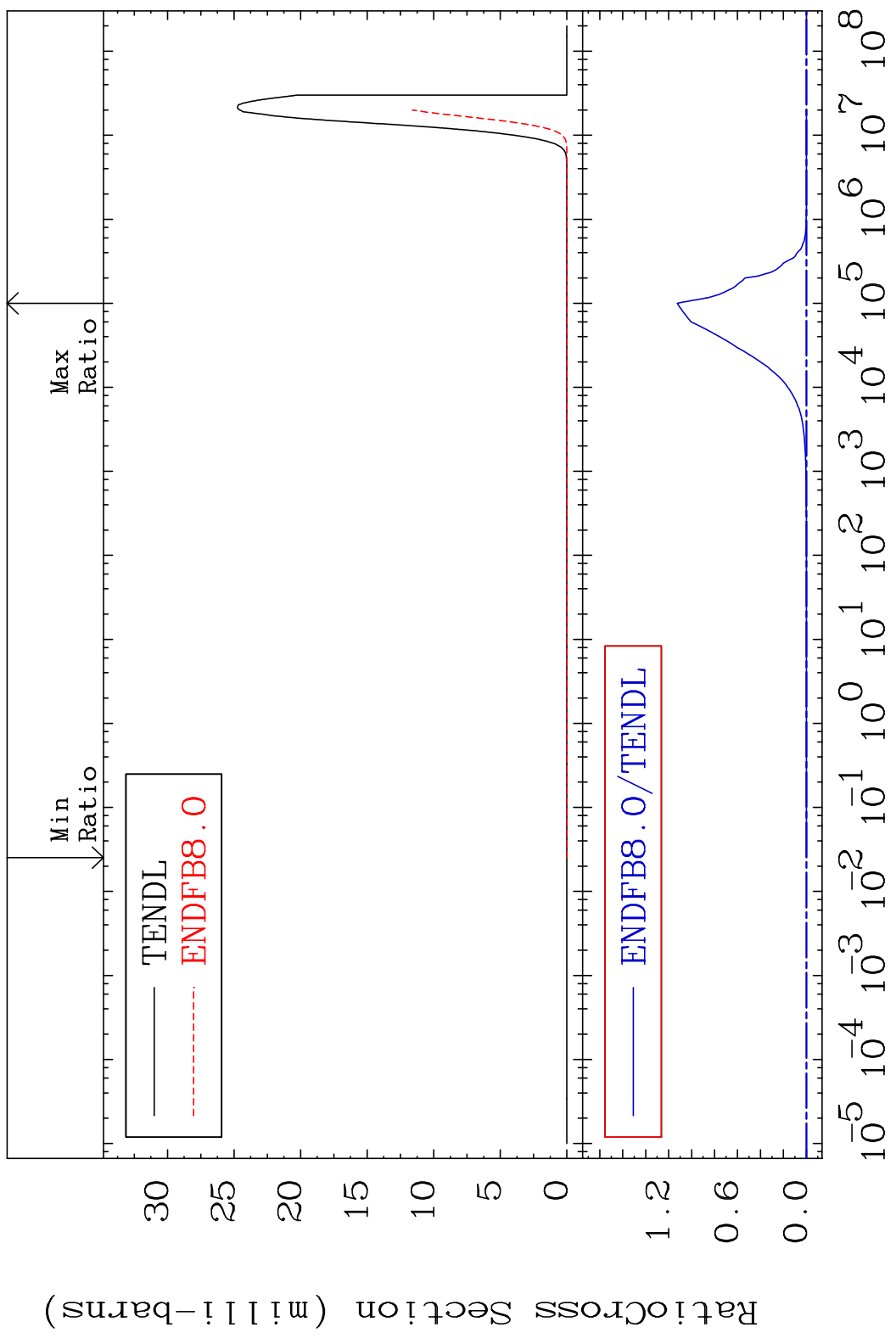


MAT 6153

(n, p)

61-Pm-148m

Cross Section -100.0 To 9999. %



12

Incident Energy (eV)

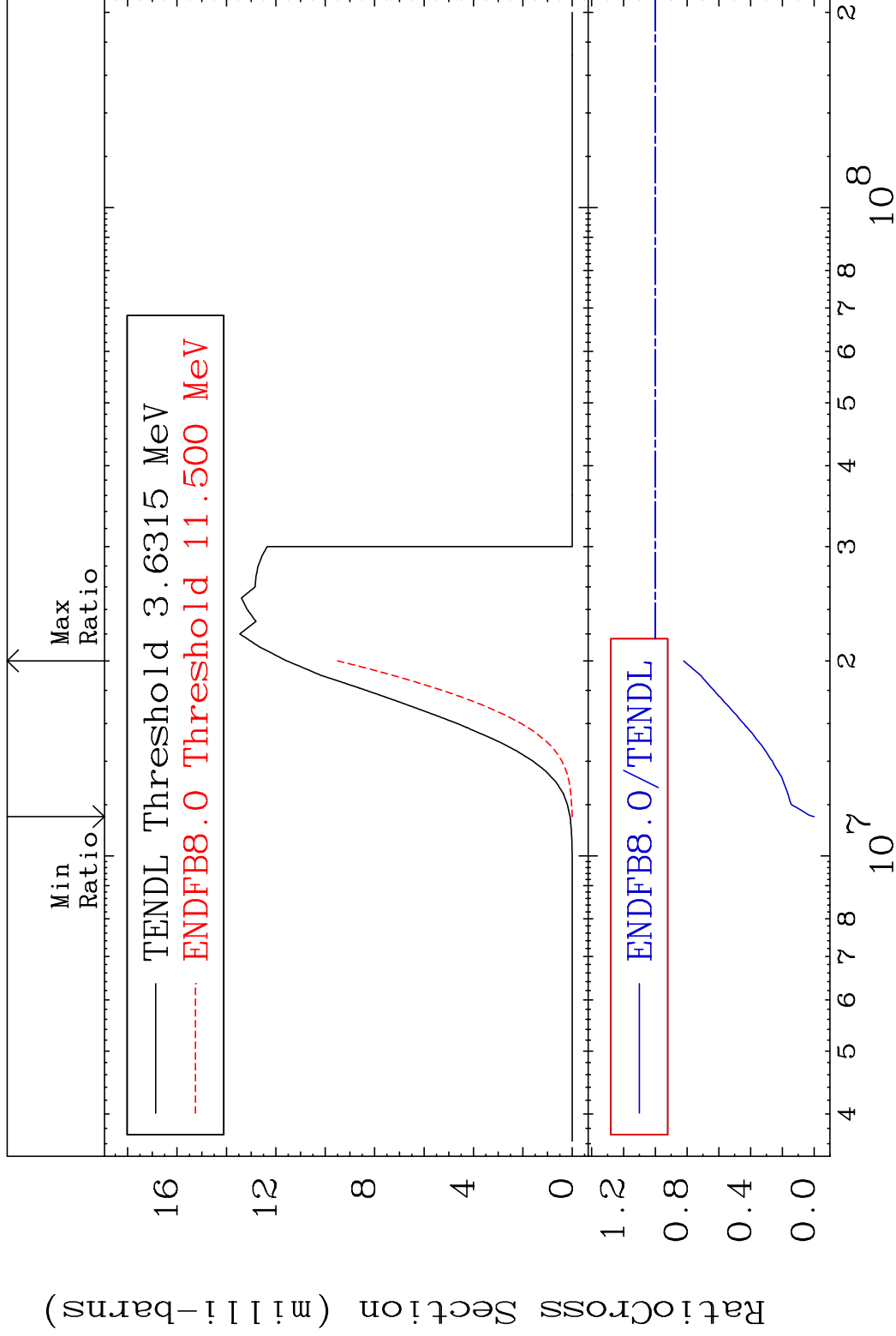
61-Pm-148m

MAT 6153

(n, d)

61-Pm-148m

Cross Section -100.0 To -17.88%



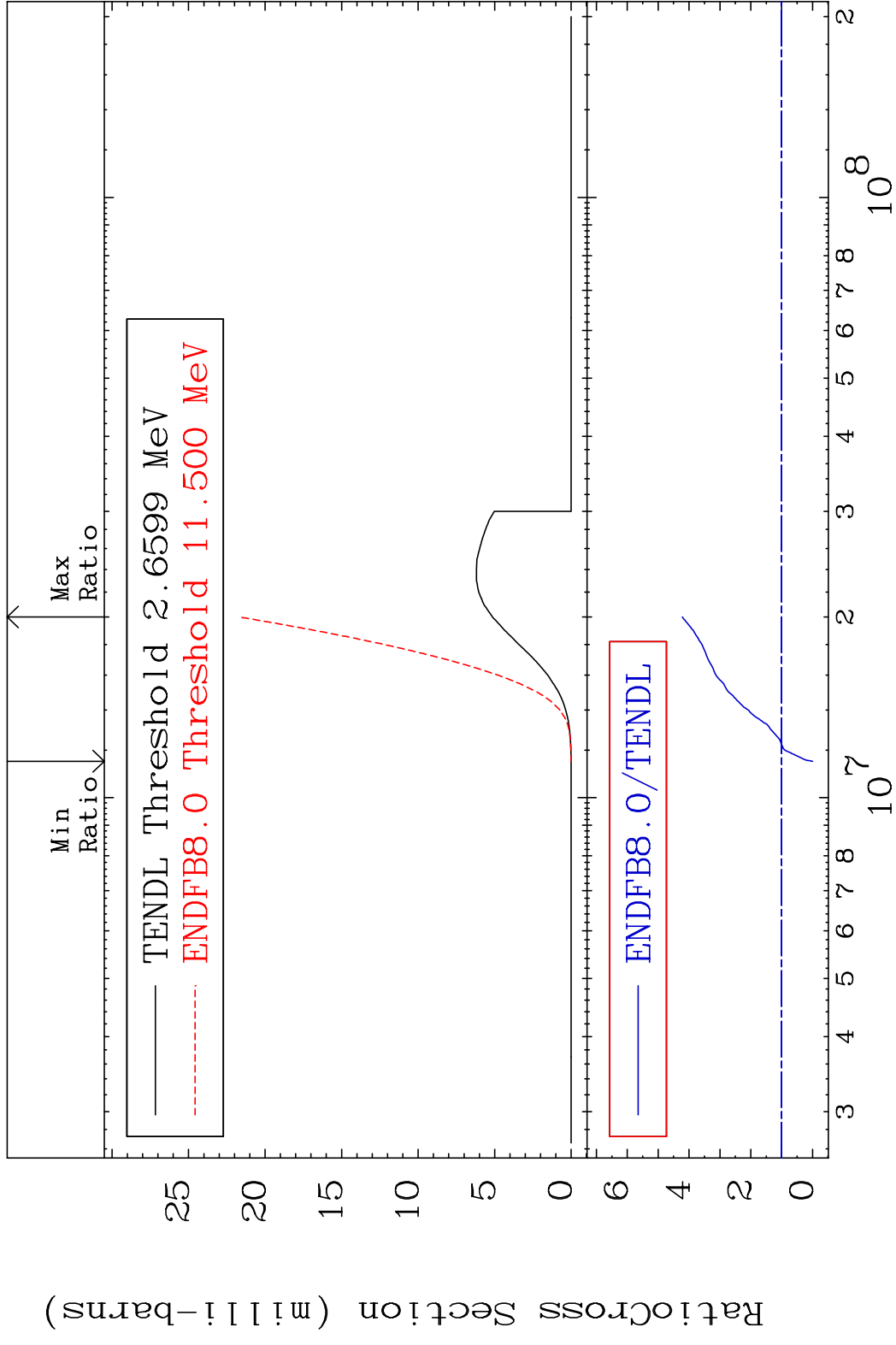
13

Incident Energy (eV)

61-Pm-148m

MAT 6153

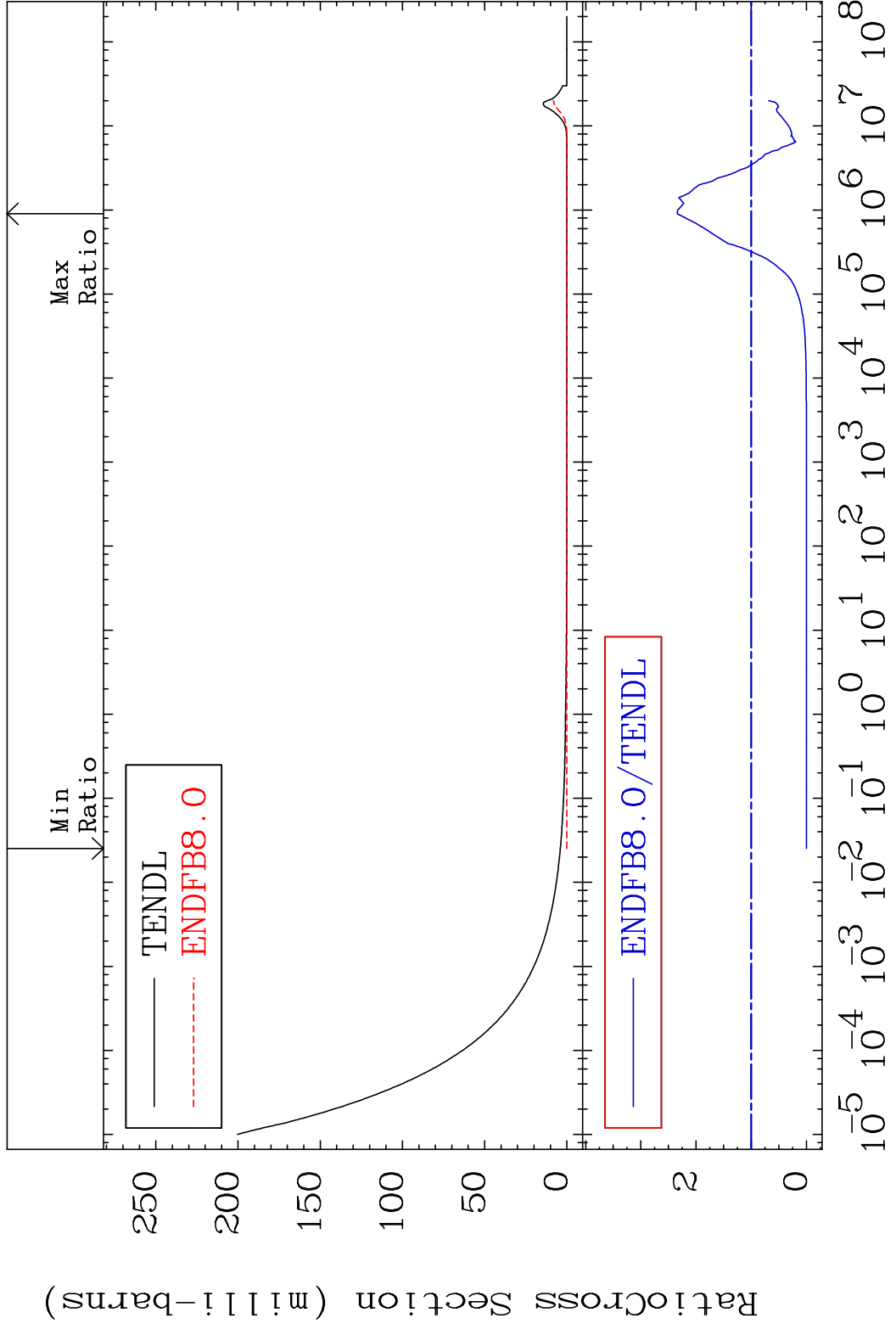
(n, t) 61-Pm-148m
Cross Section -100.0 To 321.6 %



MAT 6153

(n, α)
Cross Section -100.0 To 134.2 %

61-Pm-148m



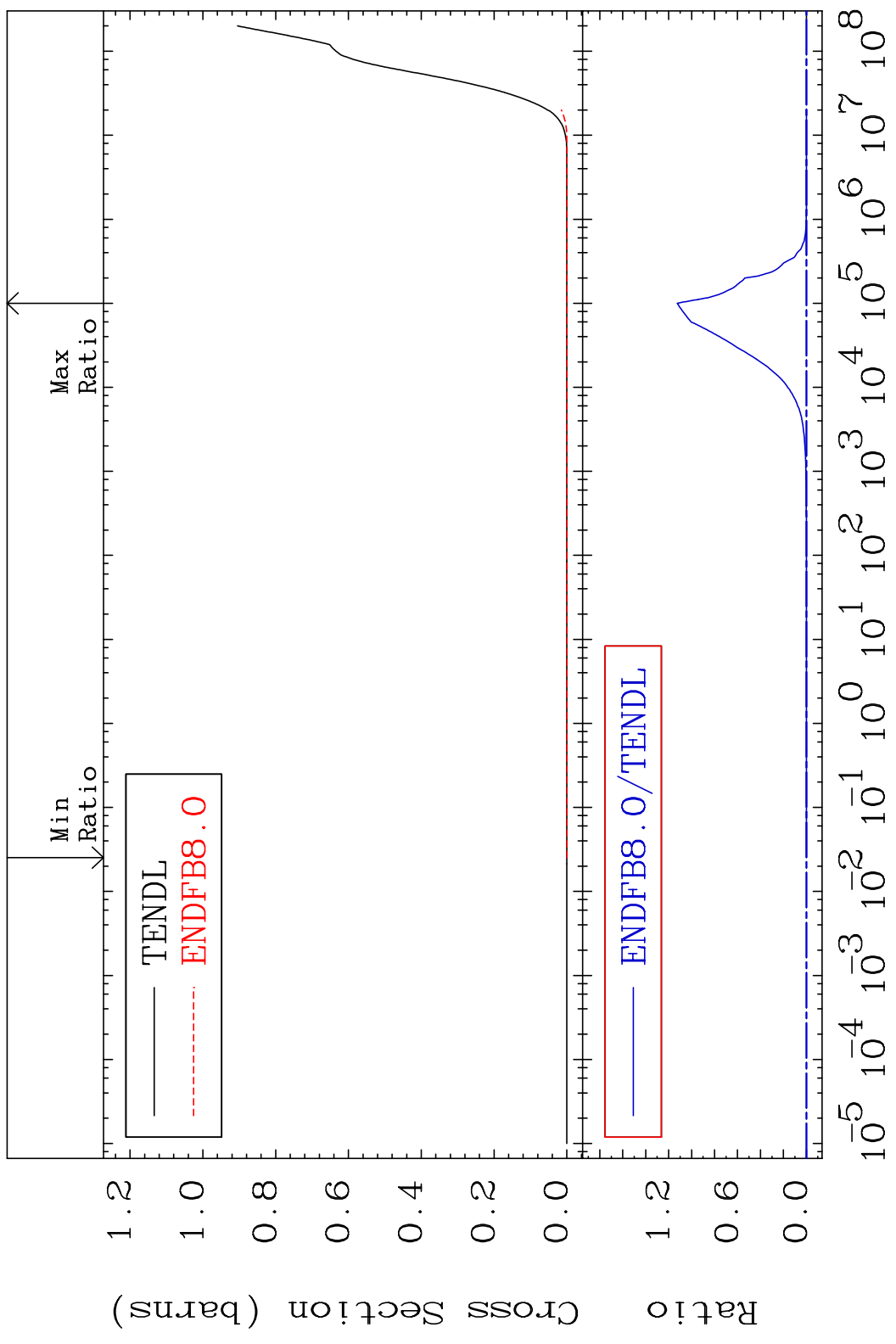
15

Incident Energy (eV)

61-Pm-148m

MAT 6153

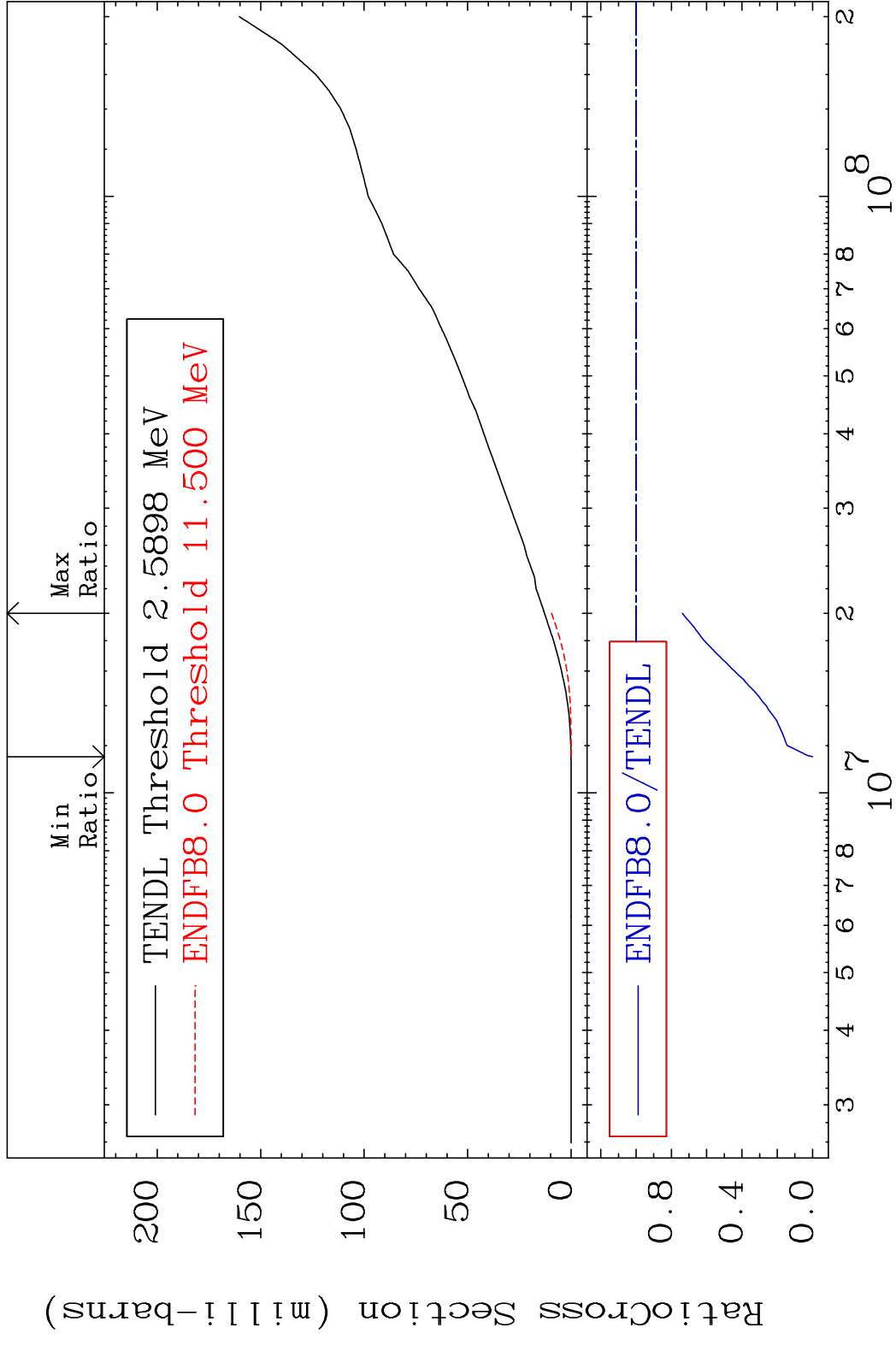
Hydrogen Production 61-Pm-148m
Cross Section -100.0 To 9999. %



16

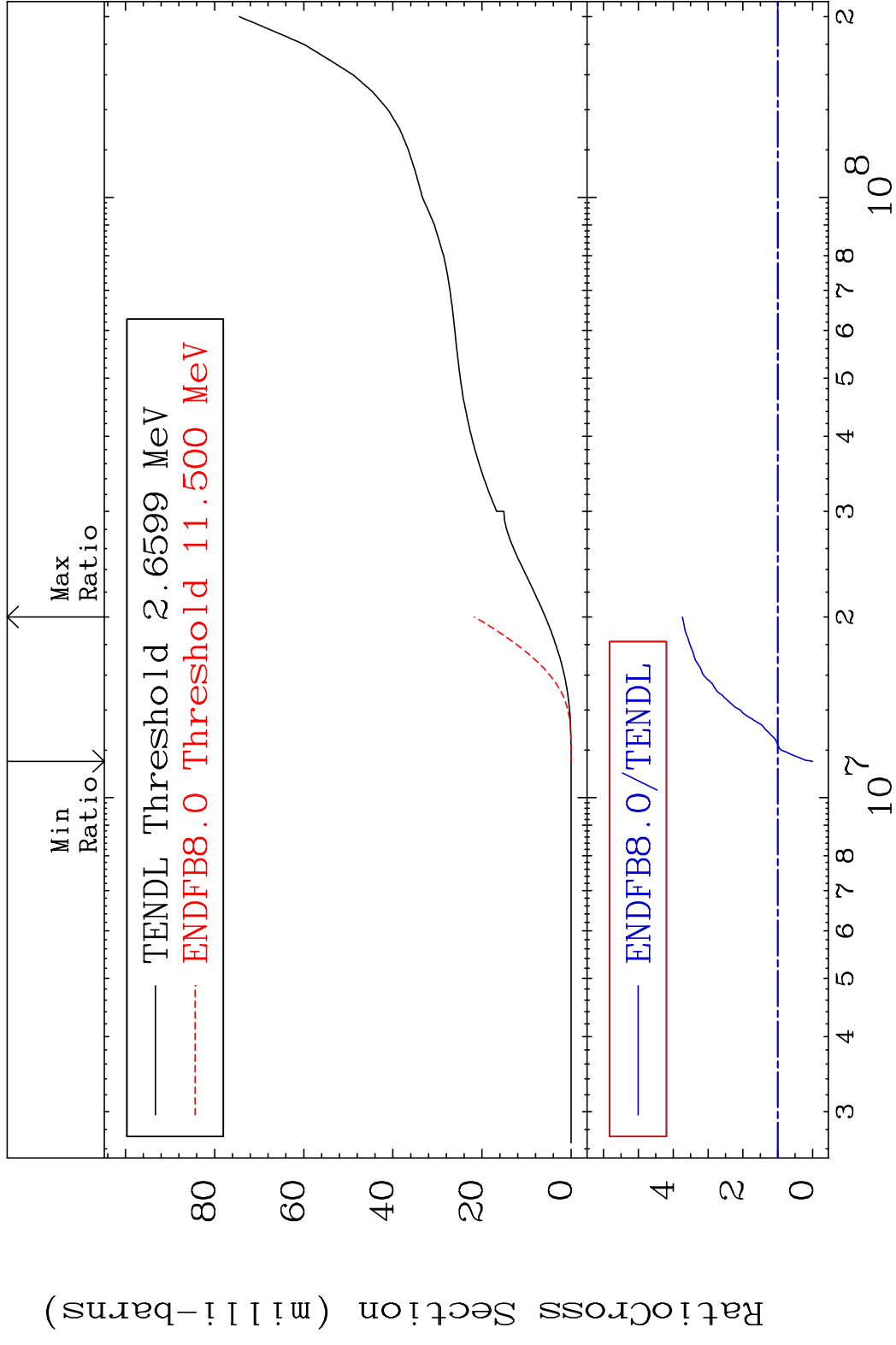
Incident Energy (eV) 61-Pm-148m

MAT 6153 Deuterium Production 61-Pm-148m
 Cross Section -100.0 To -26.22%



17 Incident Energy (eV) 61-Pm-148m

MAT 6153 Tritium Production 61-Pm-148m
 Cross Section -100.0 To 273.7 %



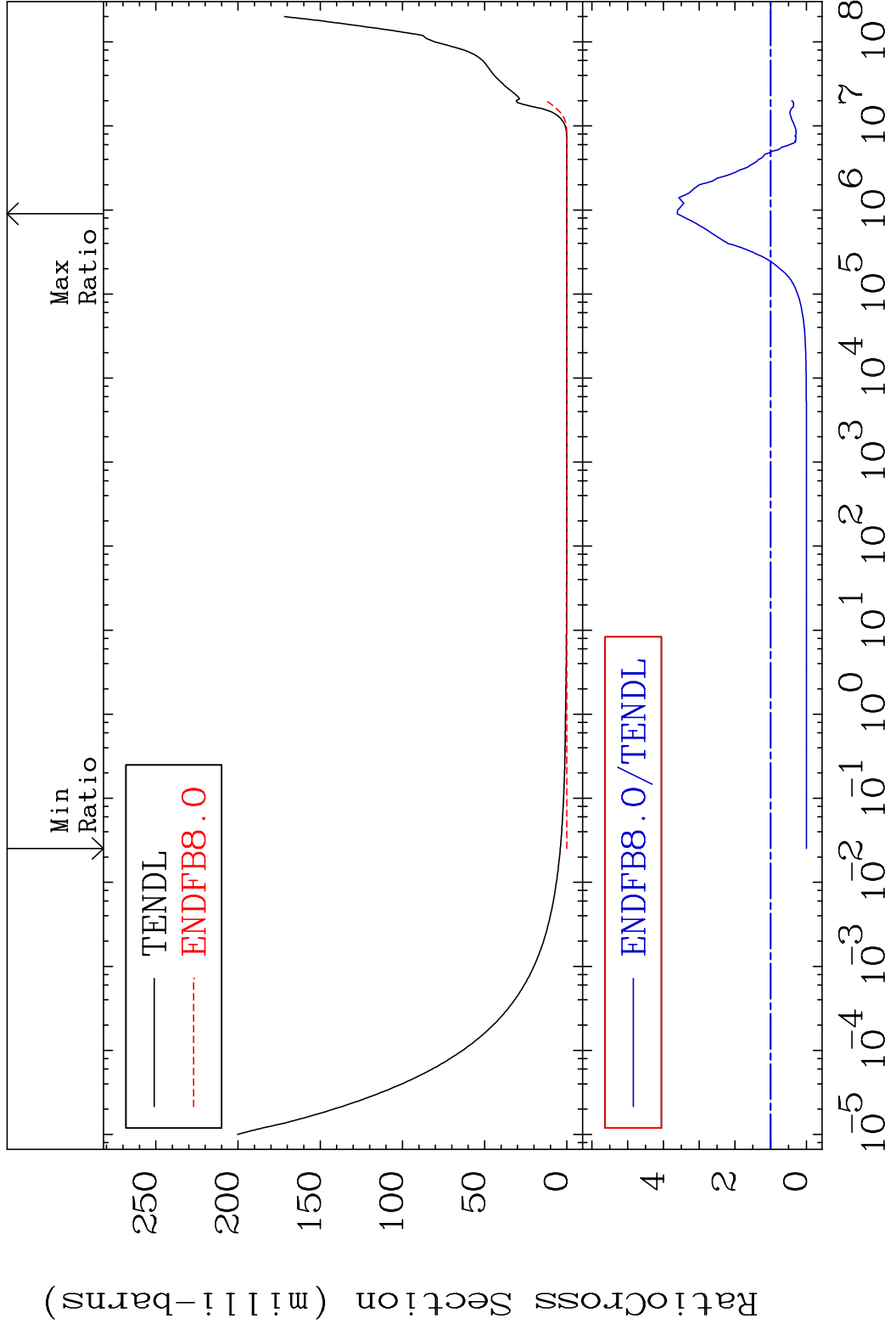
18 18 Incident Energy (eV) 61-Pm-148m

MAT 6153

He-4 Production

61-Pm-148m

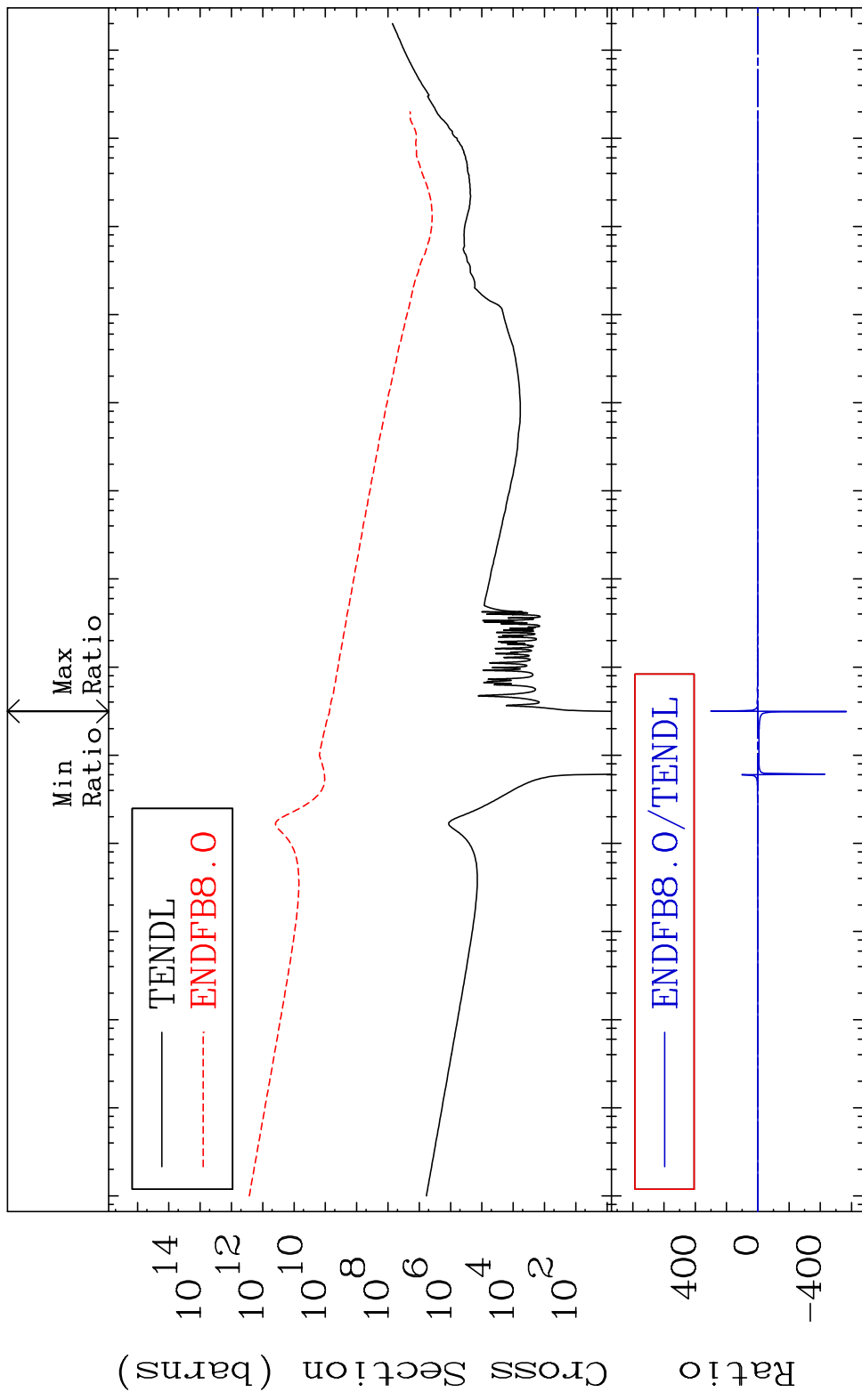
Cross Section -100.0 To 261.4 %



19

61-Pm-148m

MAT 6153 Kerma total (eV-barns) 61-Pm-148m
 Cross Section -9999. To 9999. %

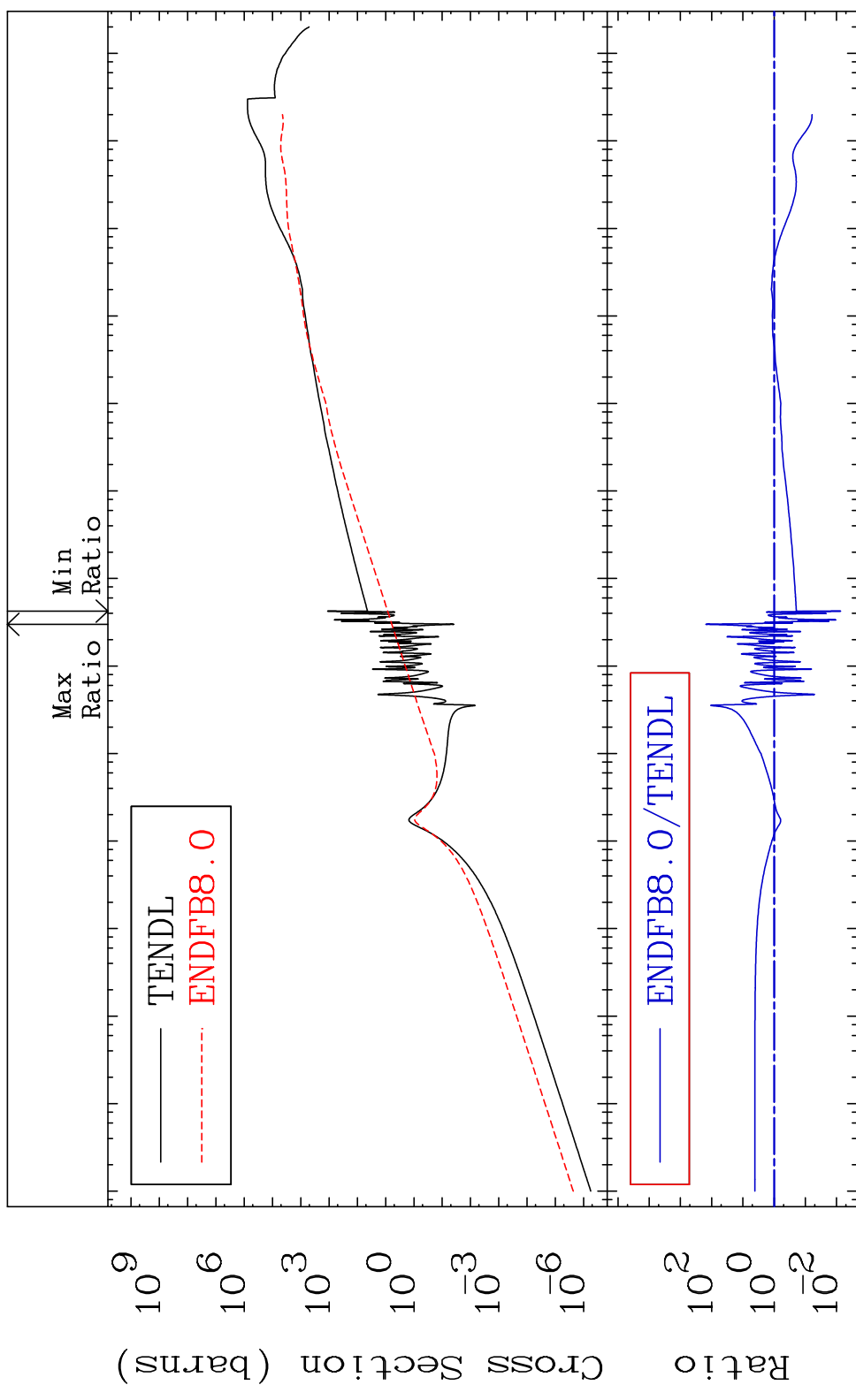


20 61-Pm-148m

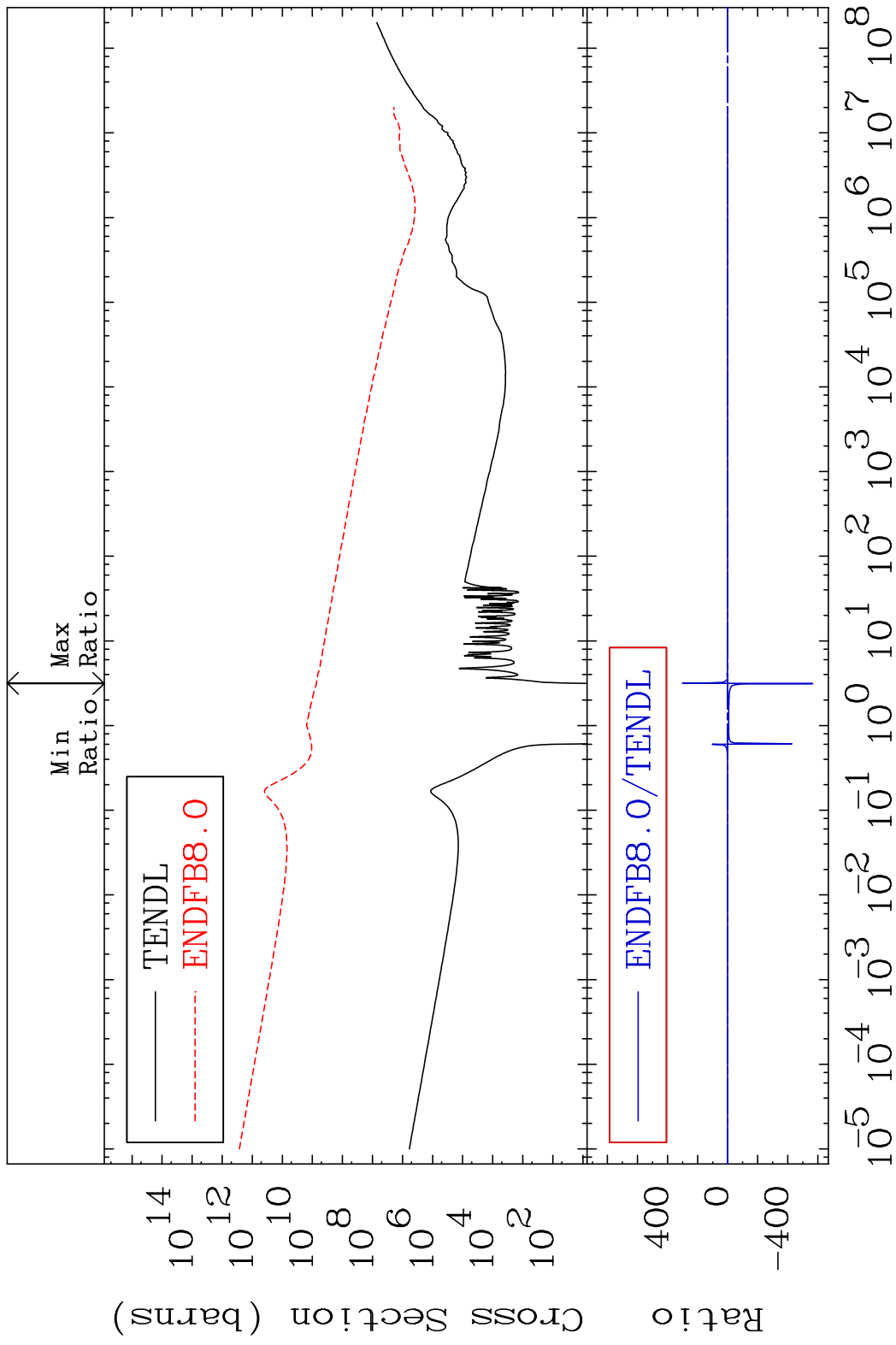
MAT 6153

Kerma elastic
Cross Section -99.25 To 9999. %

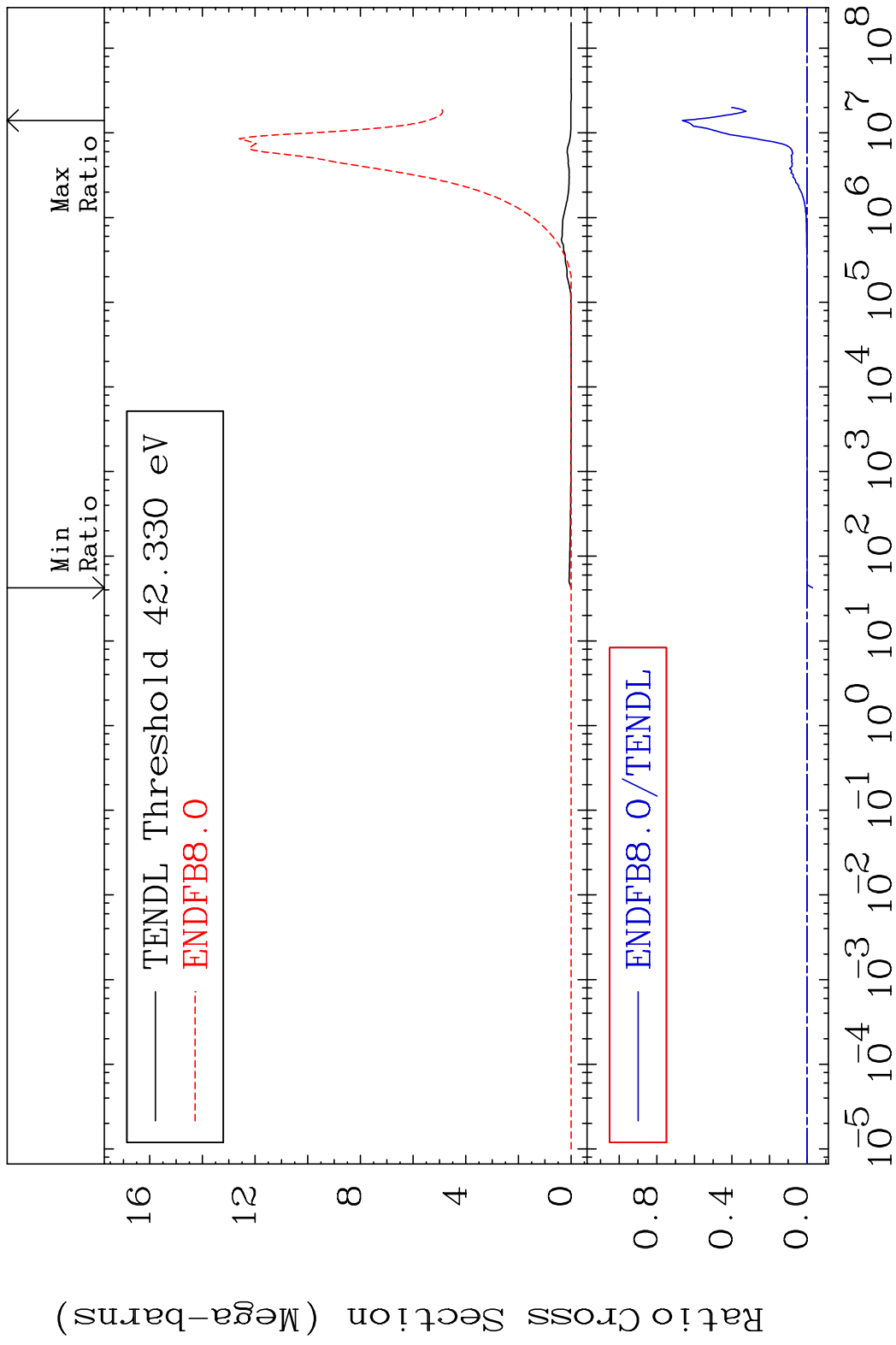
61-Pm-148m



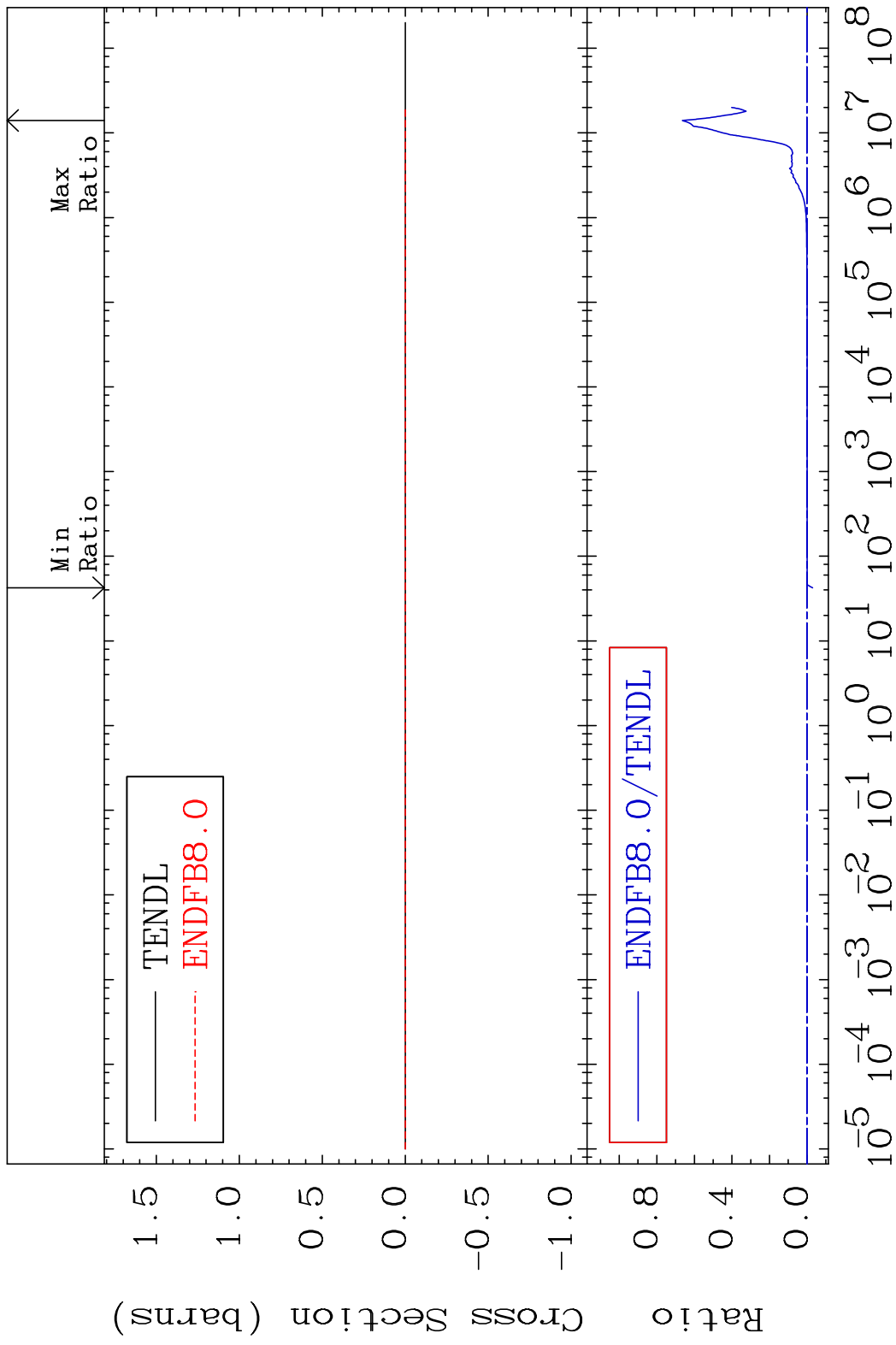
MAT 6153 Kerma non-elastic (all but mt2) 61-Pm-148m
 Cross Section -9999. To 9999. %



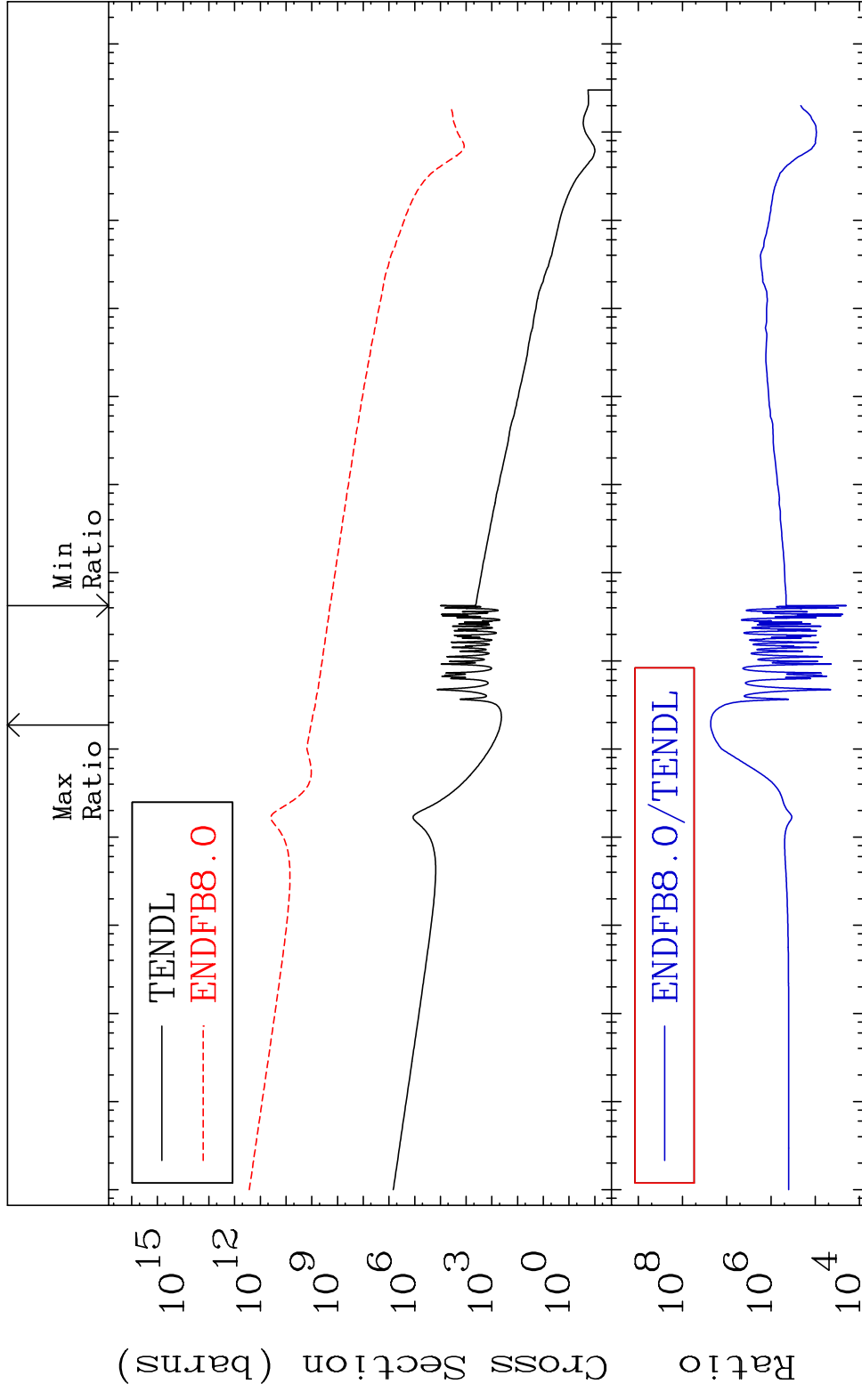
MAT 6153 Kerma inelastic (mt51-91) 61-Pm-148m
 Cross Section -3026. To 9999. %



MAT 6153 Kerma fission (mt18 or mt19-20-21-36)-Pm-148m
 Cross Section -3026. To 9999. %

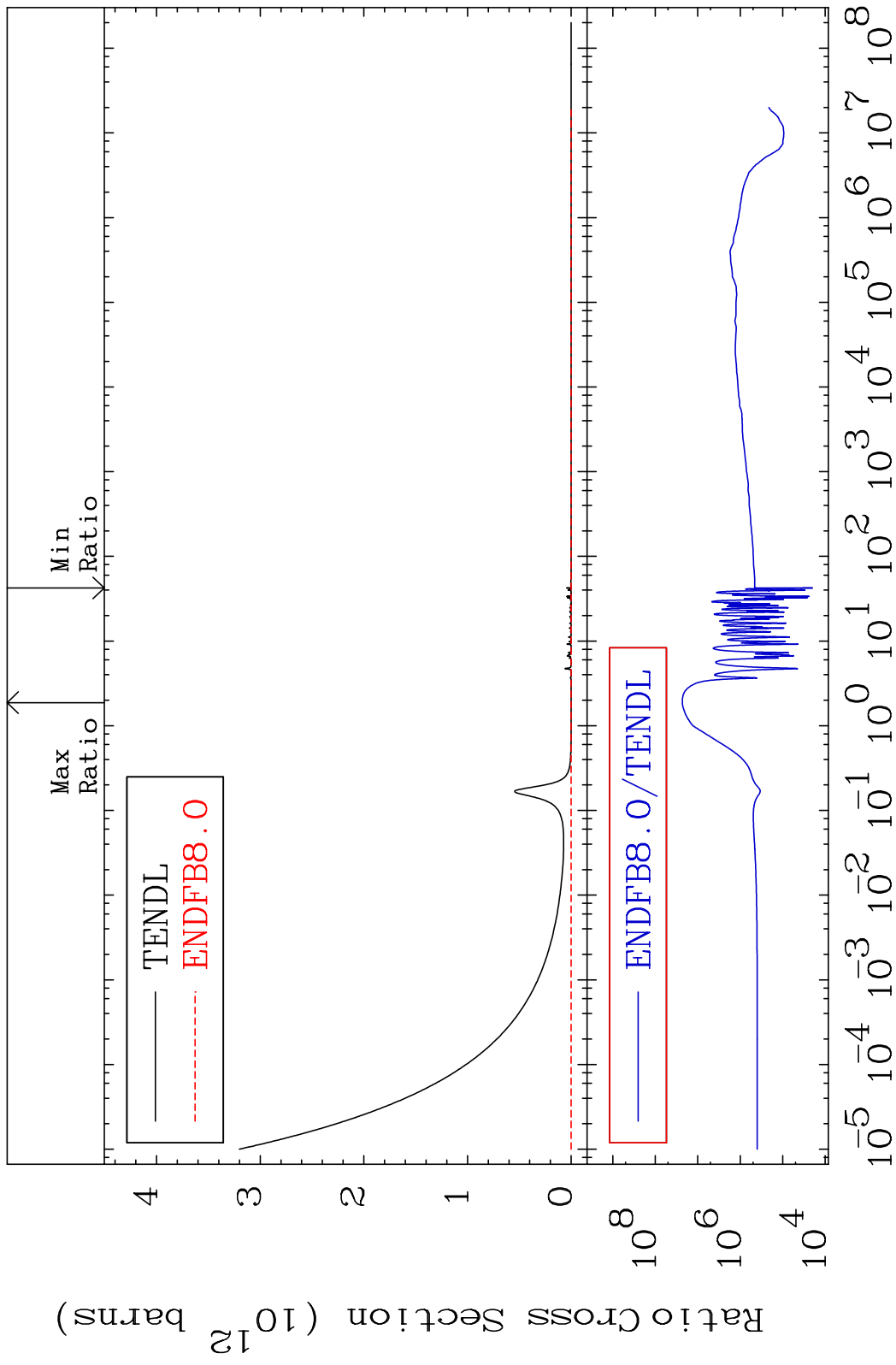


MAT 6153 Kerma capture (mt102) 61-Pm-148m
 Cross Section 9999. To 9999. %

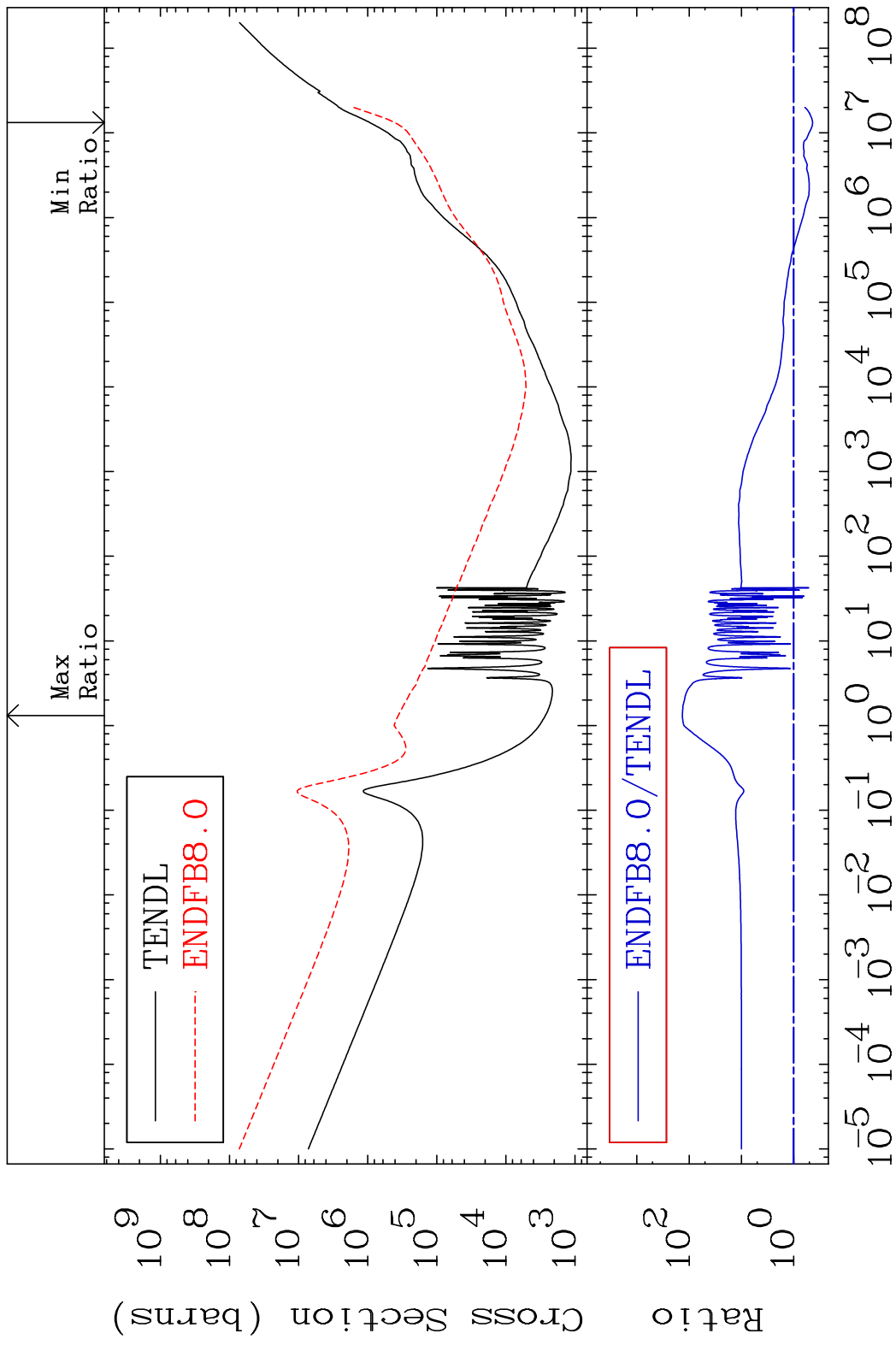


25 Incident Energy (eV) 61-Pm-148m

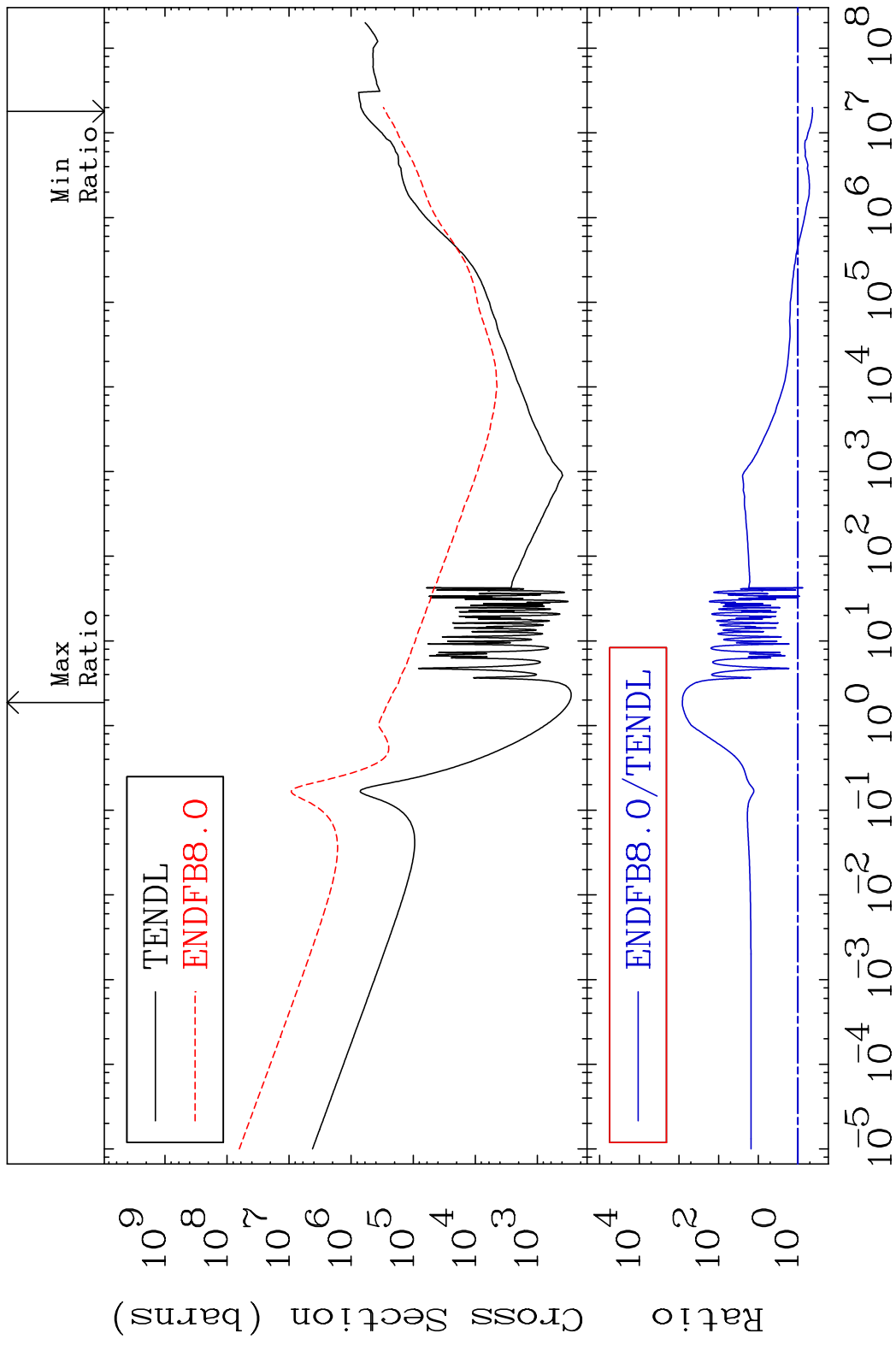
MAT 6153 Total photon (eV-barns) 61-Pm-148m
 Cross Section 9999. To 9999. %



MAT 6153 Total kinematic kerma (high limit)61-Pm-148m
 Cross Section -56.51 To 9999. %



MAT 6153 Dpa total (eV-barns) 61-Pm-148m
 Cross Section -57.31 To 9999. %



28 Incident Energy (eV) 61-Pm-148m

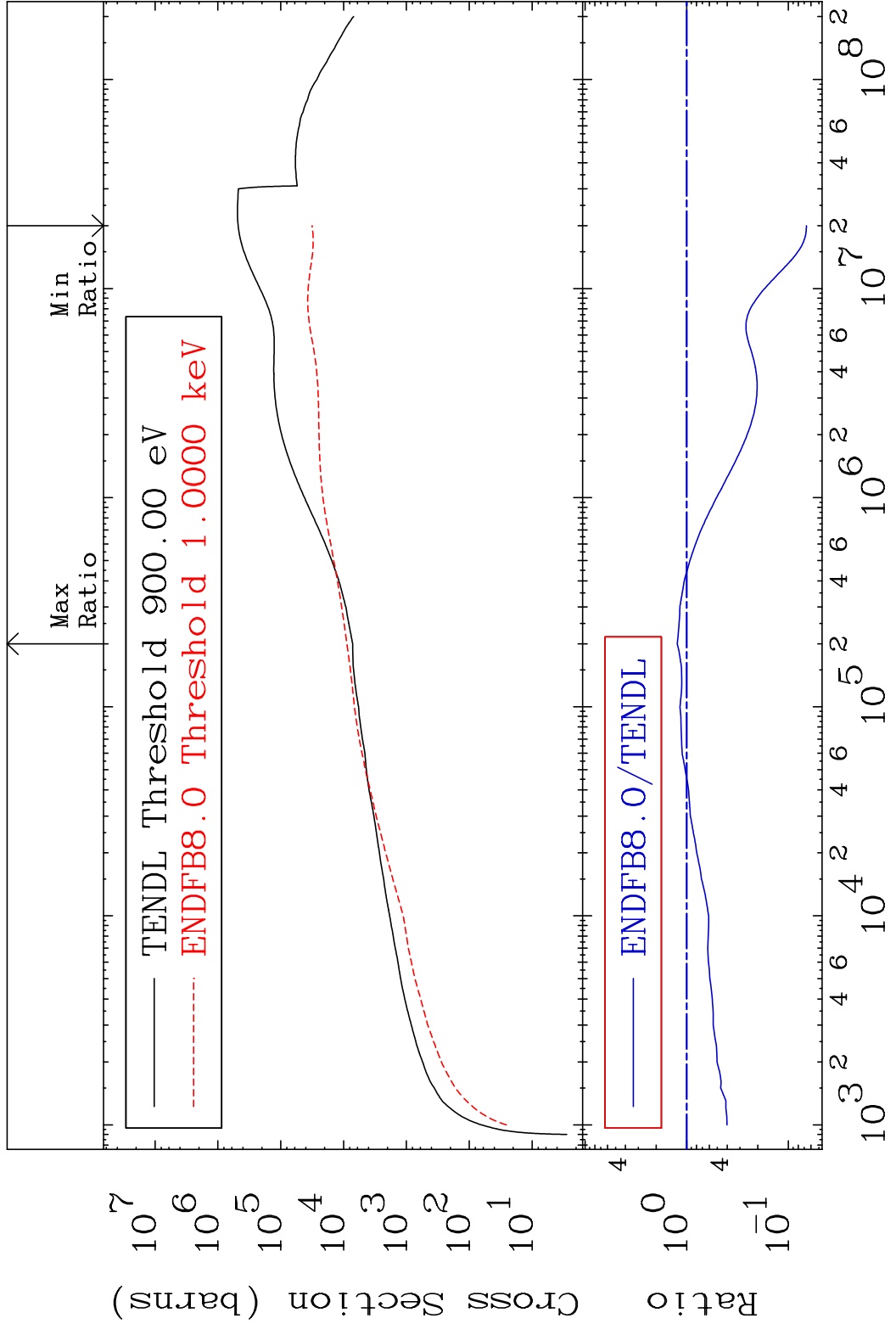
MAT 6153

Dpa elastic (mt2)

61-Pm-148m

Cross Section

-93.35 To 24.02 %

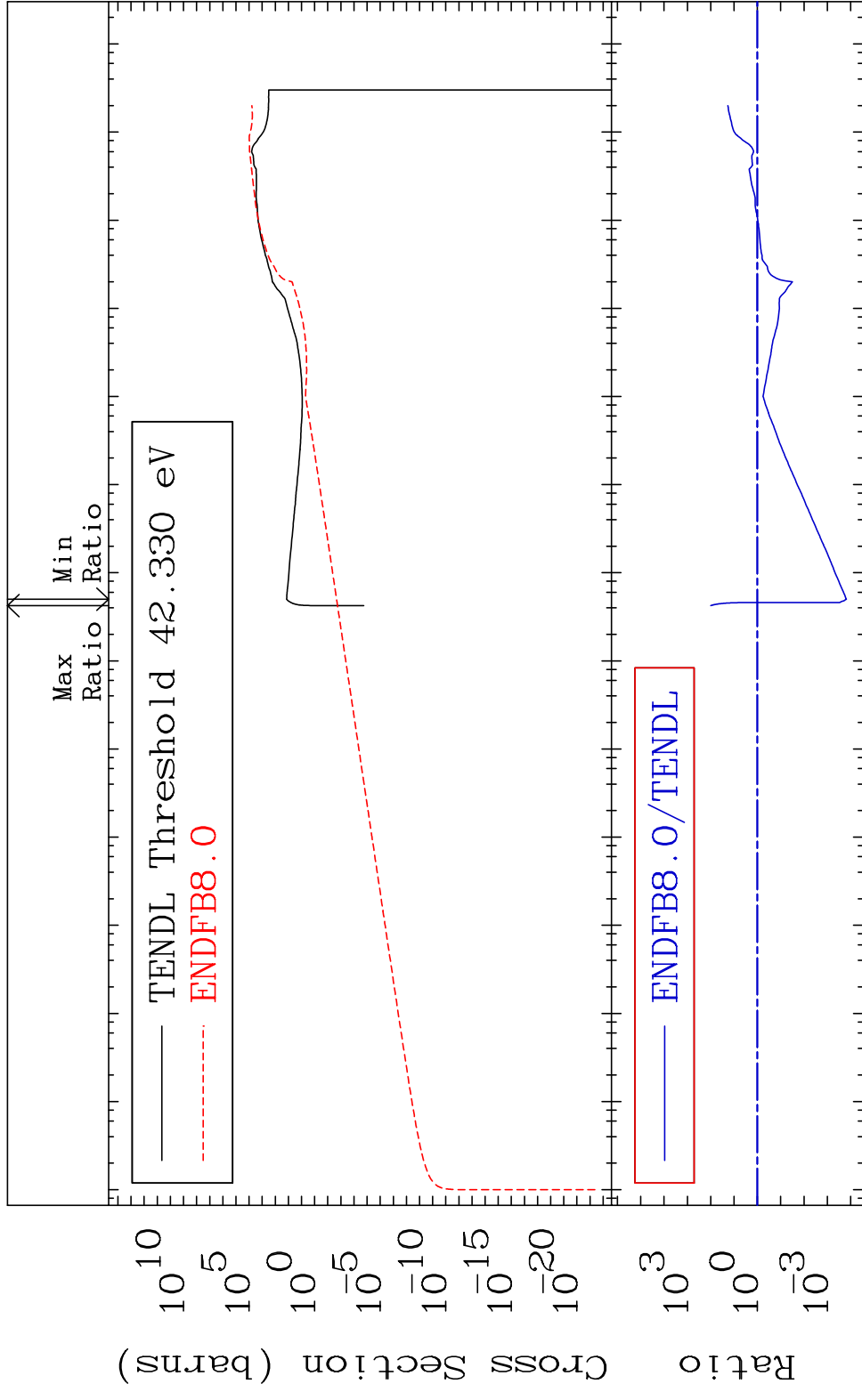


29

Incident Energy (eV)

61-Pm-148m

MAT 6153 Dpa inelastic (mt51-91) 61-Pm-148m
 Cross Section -99.98 To 9878. %



30 Incident Energy (eV) 61-Pm-148m

MAT 6153 Dpa disappearance (mt102 -120) 61-Pm-148m
 Cross Section -60.72 To 9999. %

