

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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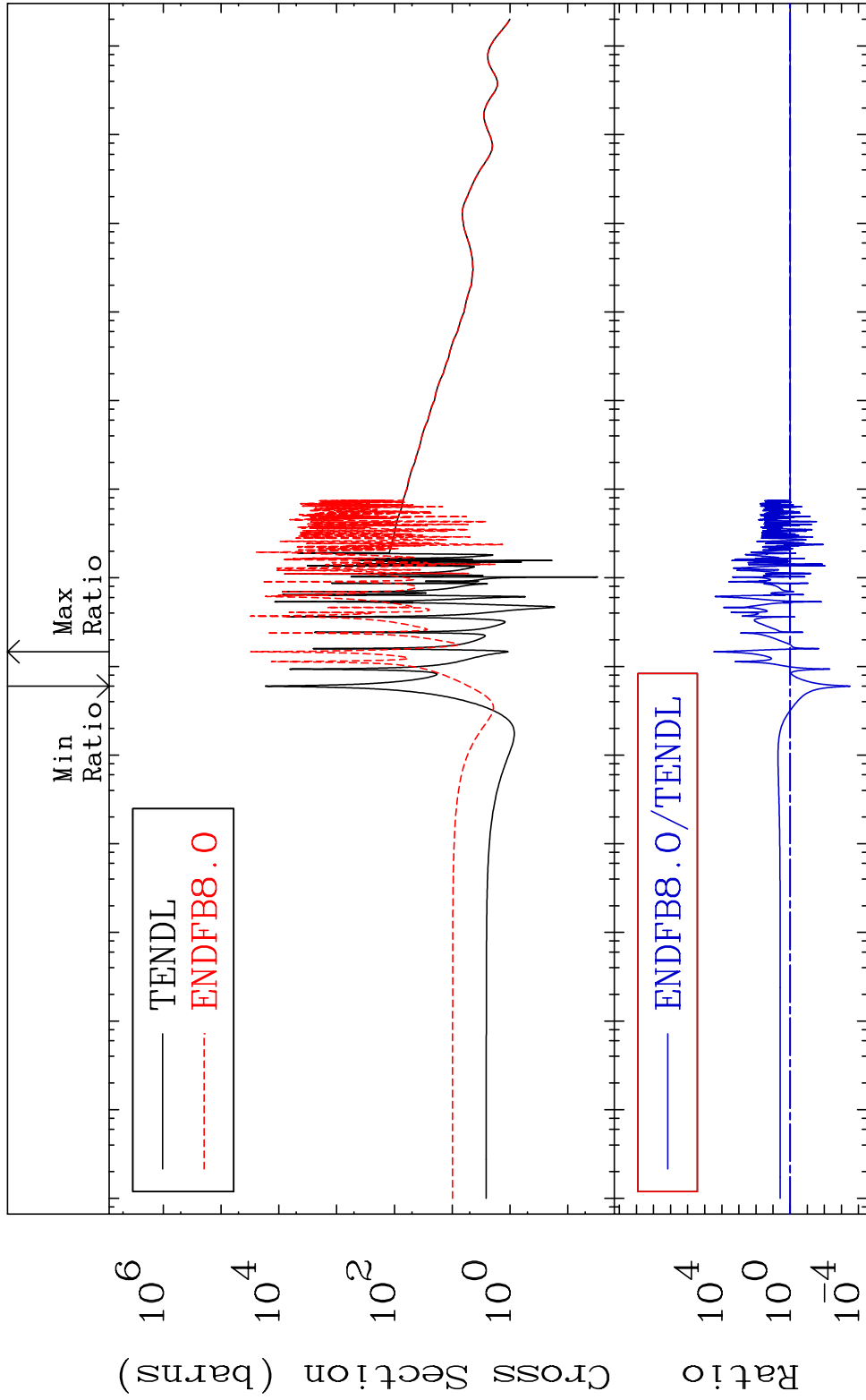
Press Mouse Button to Start

MAT 6228

Elastic

62-Sm-145

Cross Section -99.97 To 9999. %

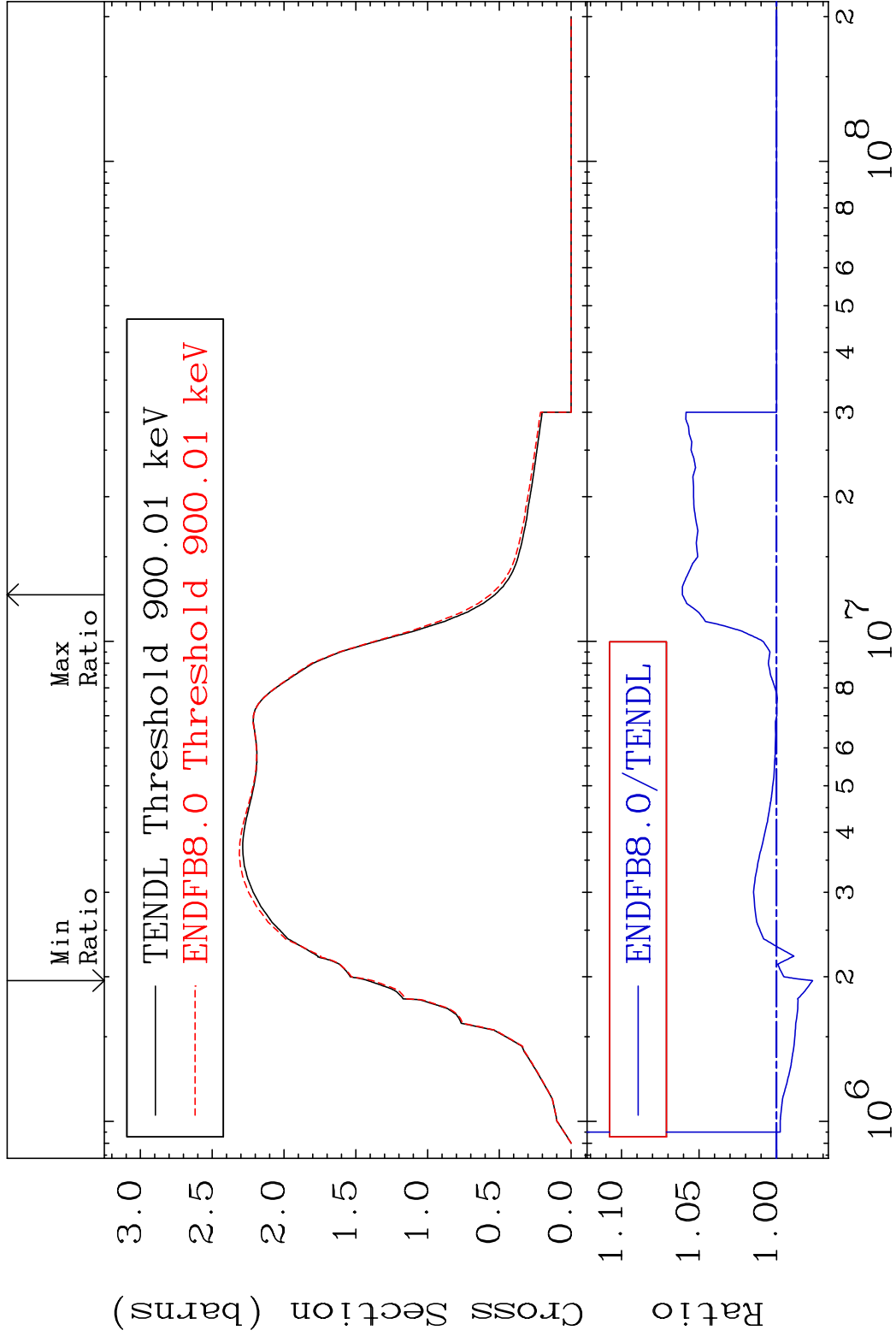


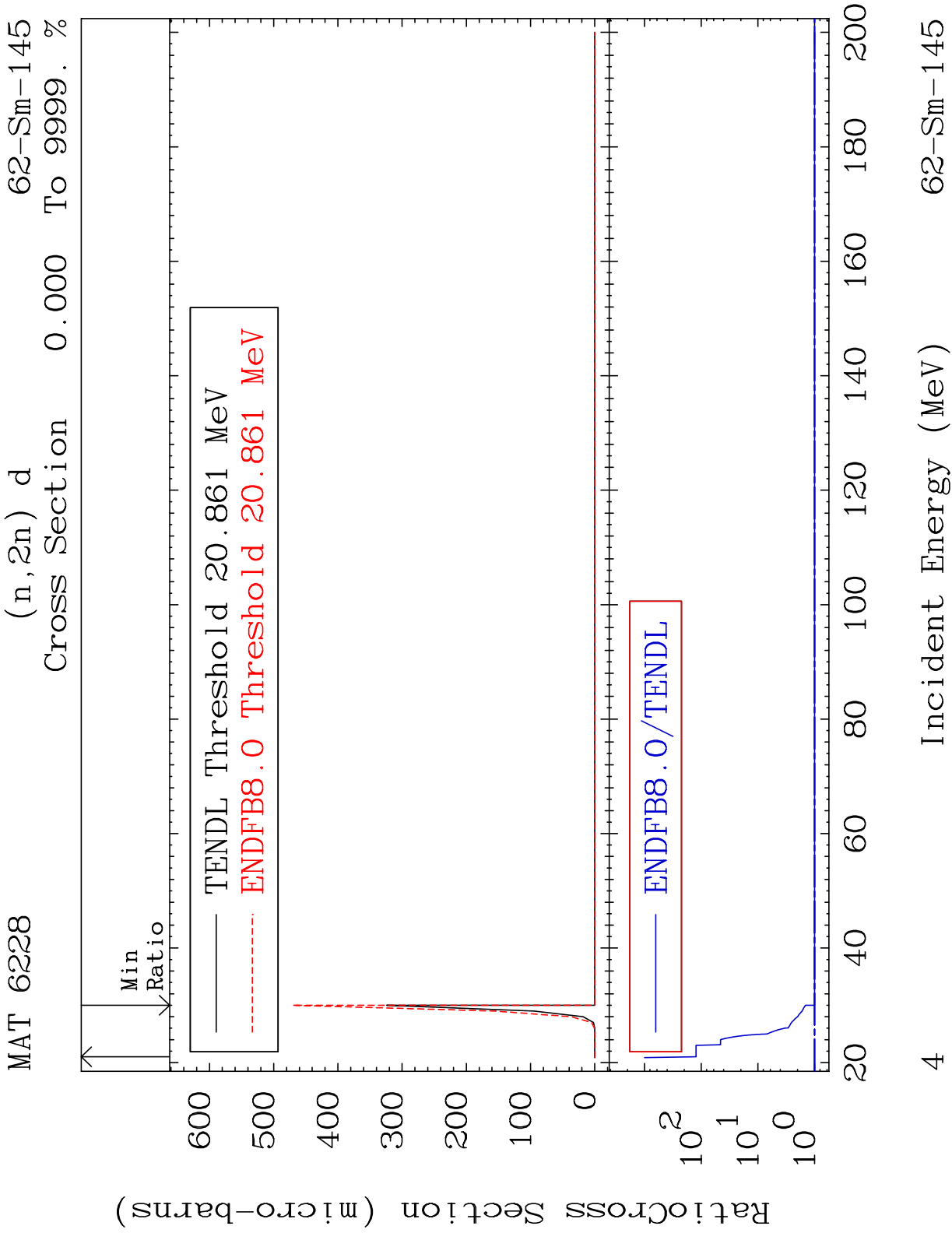
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

2

Incident Energy (eV)

62-Sm-145



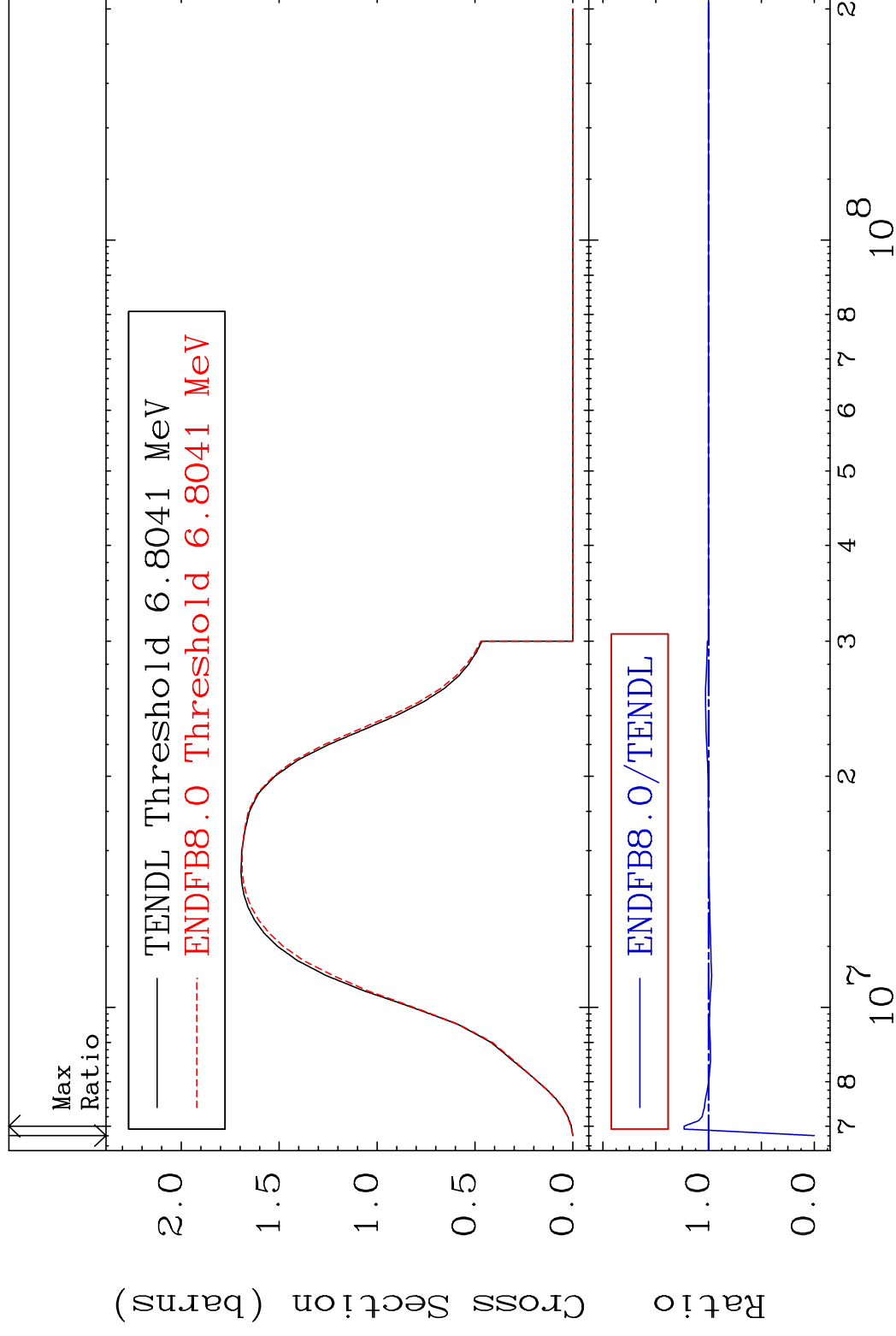


MAT 6228

$$(n, 2n)$$

62-Sm-145

Cross Section -100.0 To 23.22 %



TENDL Threshold 6.8041 MeV

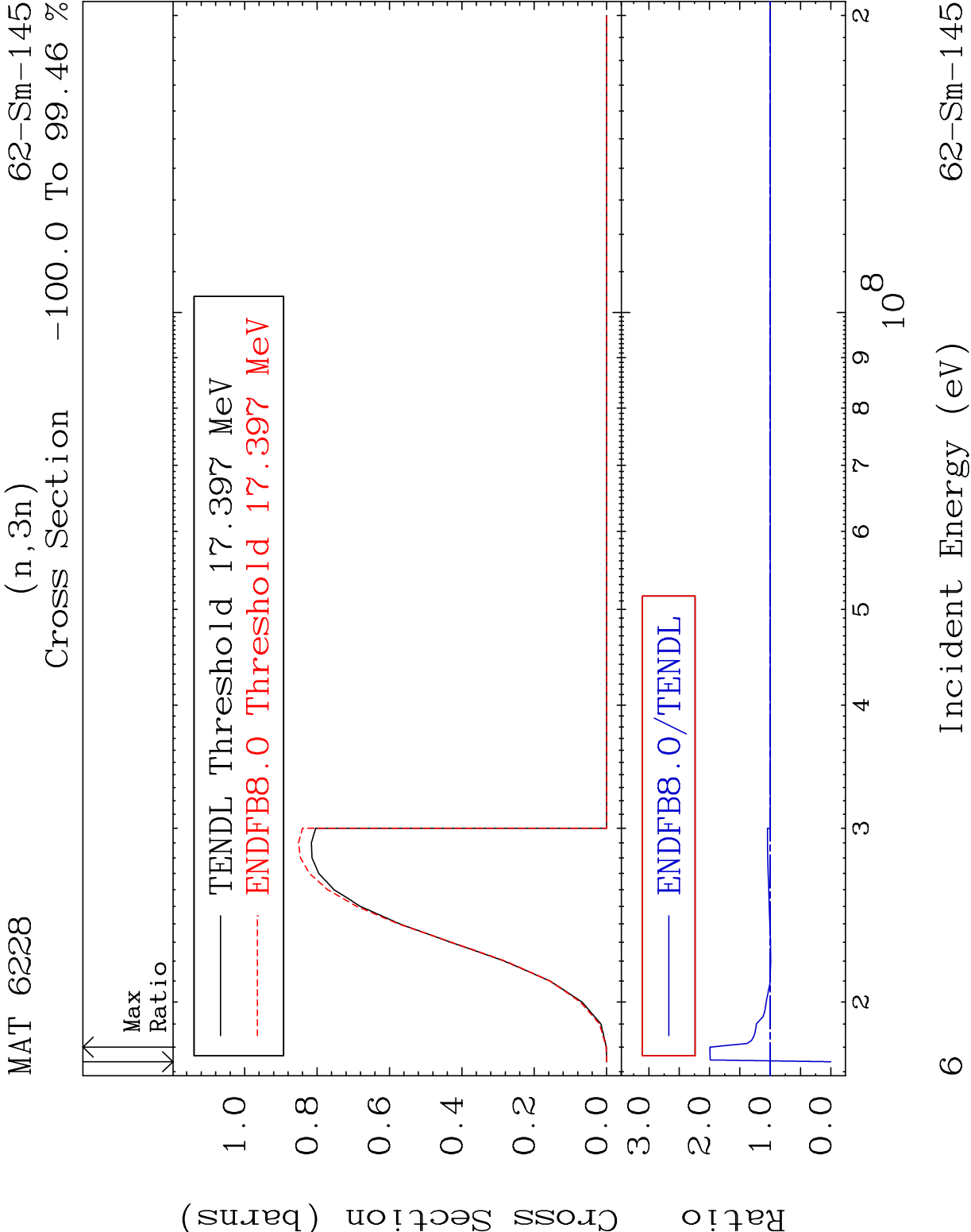
ENDFB8.0 Threshold 6.8041 MeV

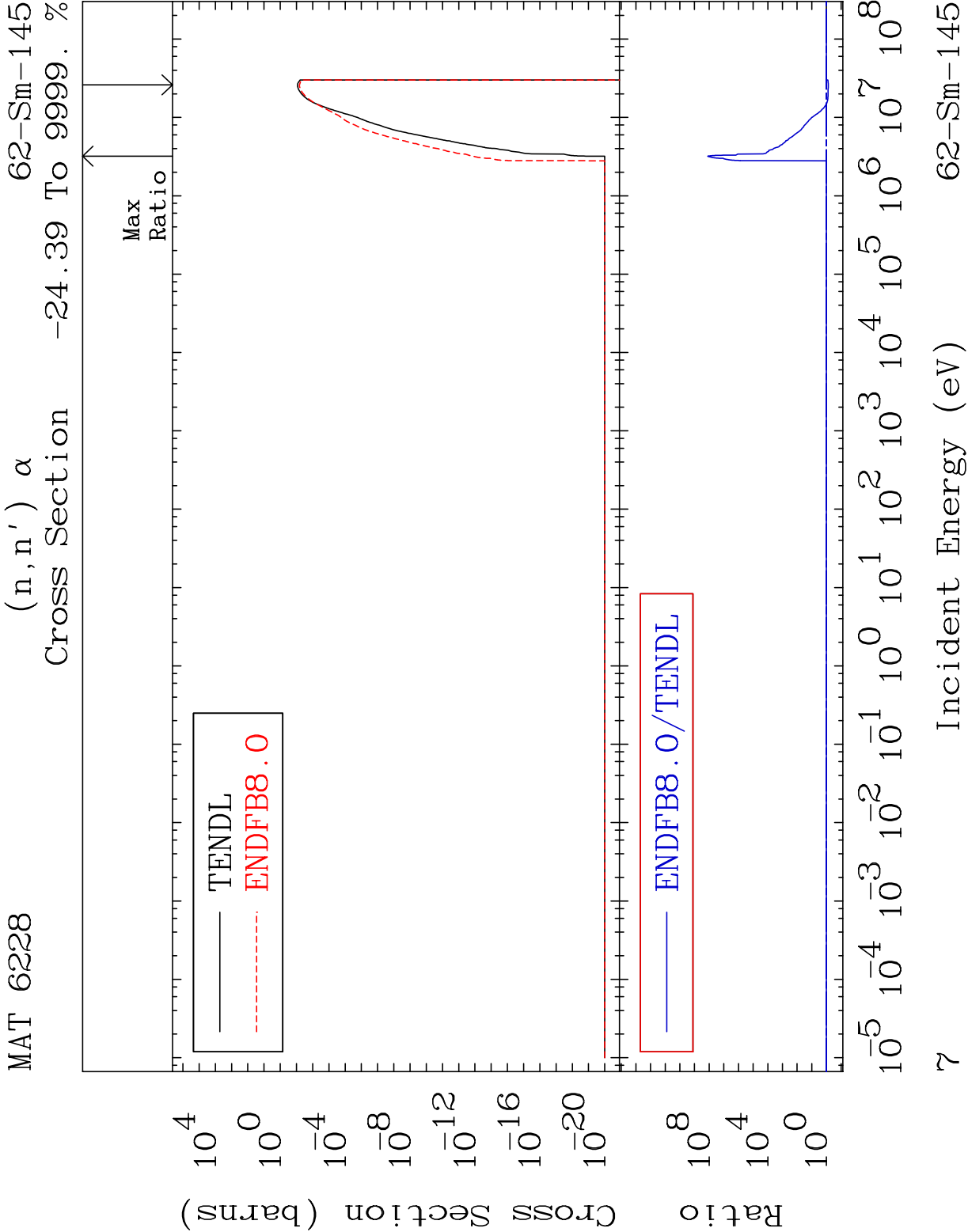
ENDFB8.0/TENDL

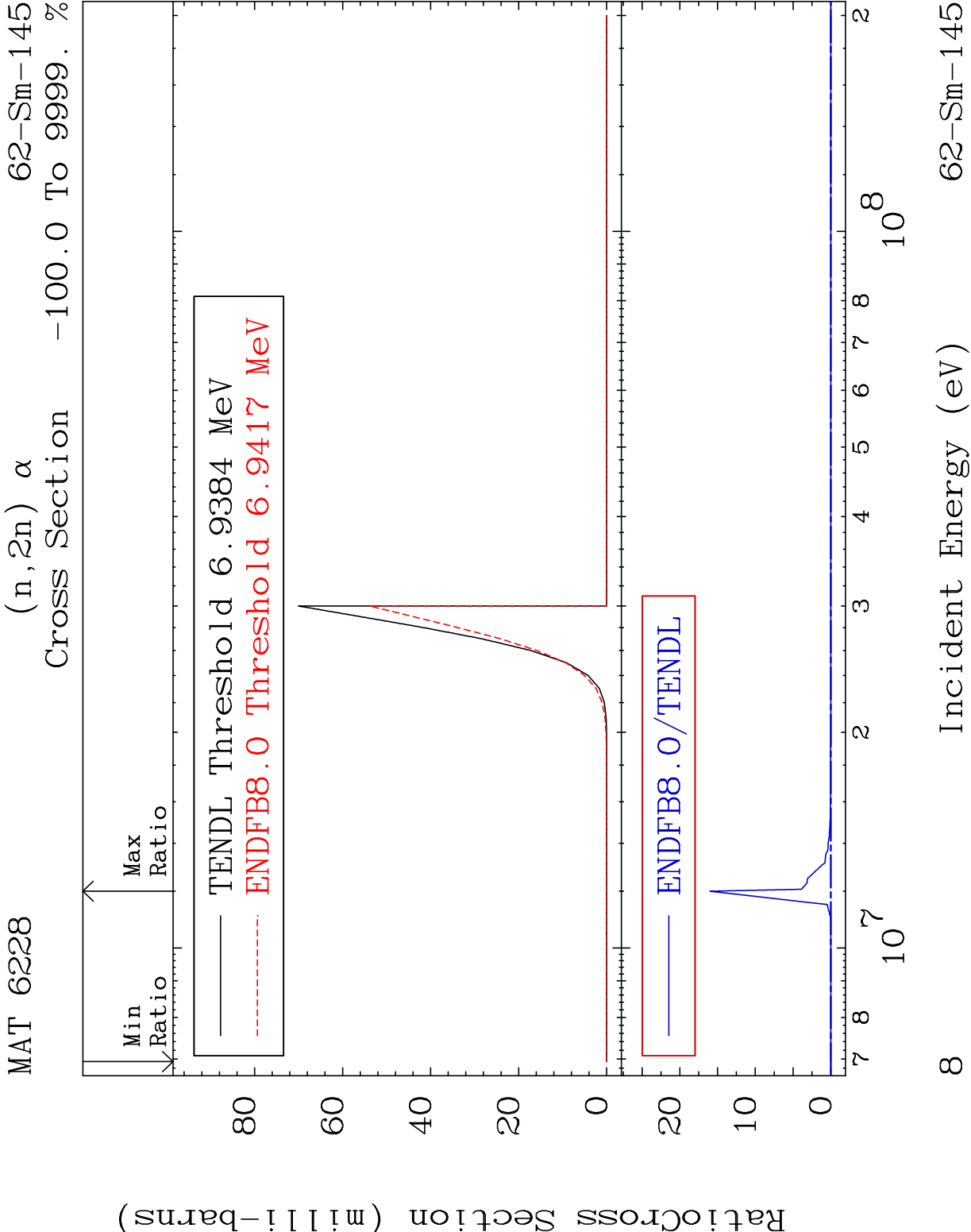
5

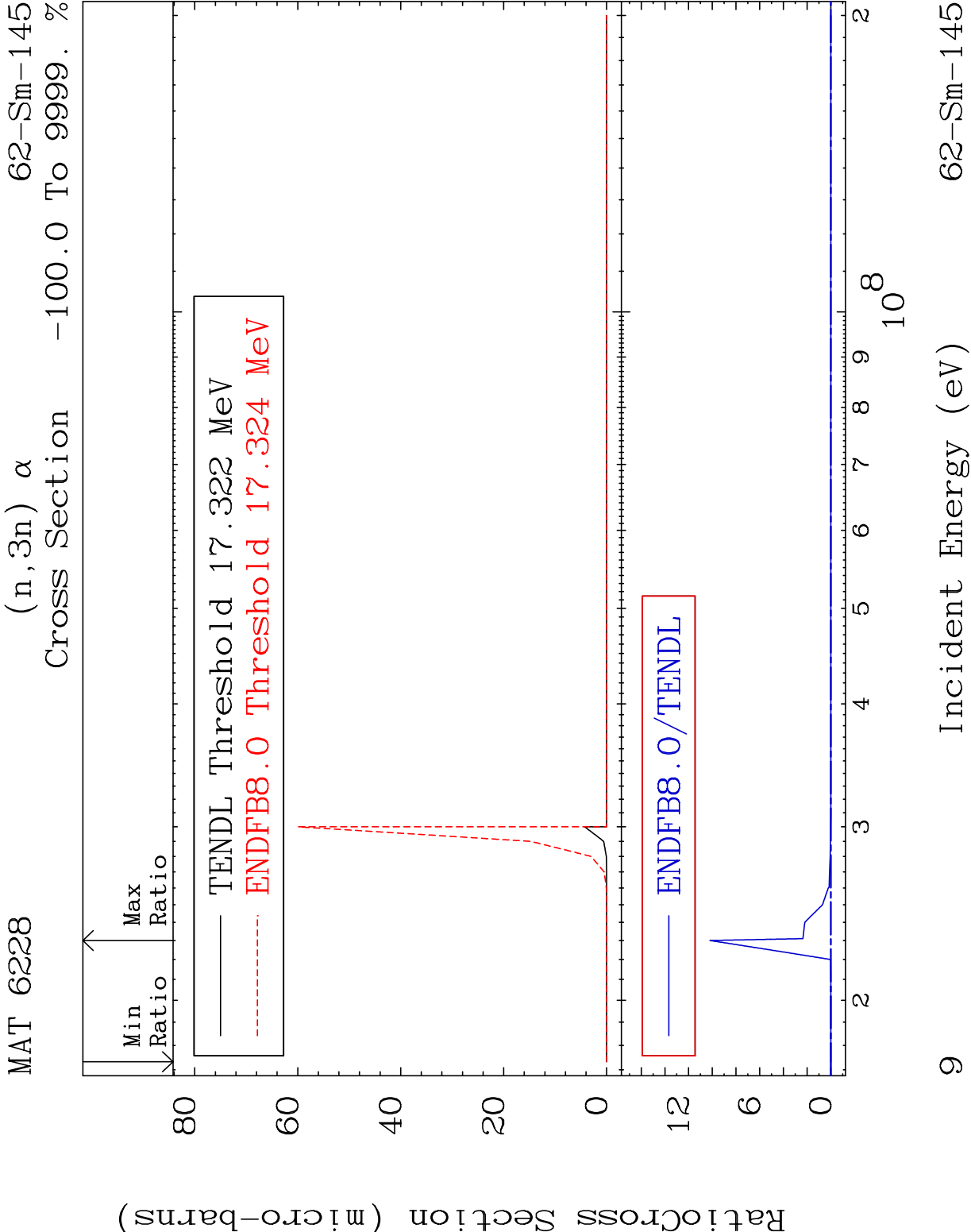
Incident Energy (eV)

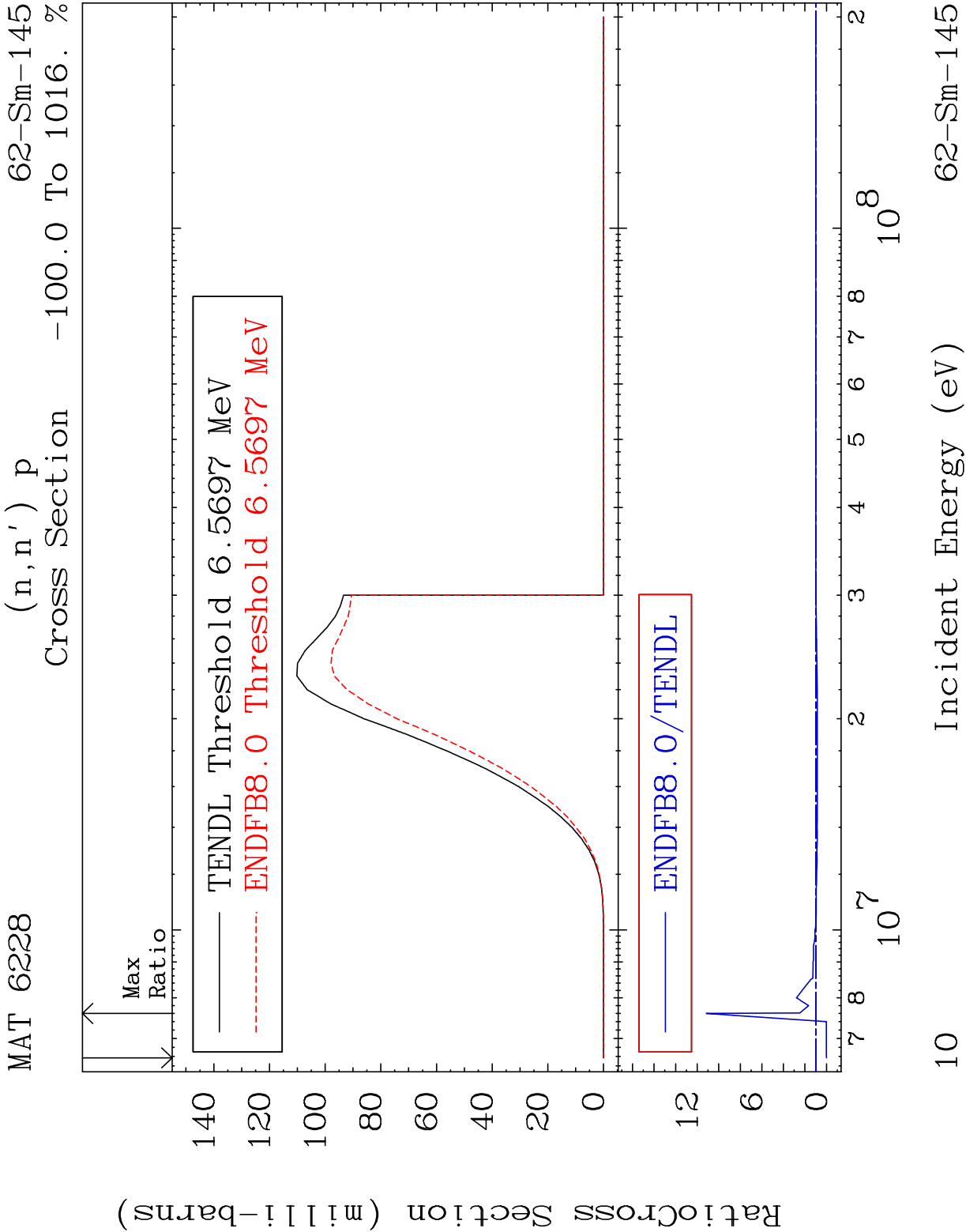
62-Sm-145

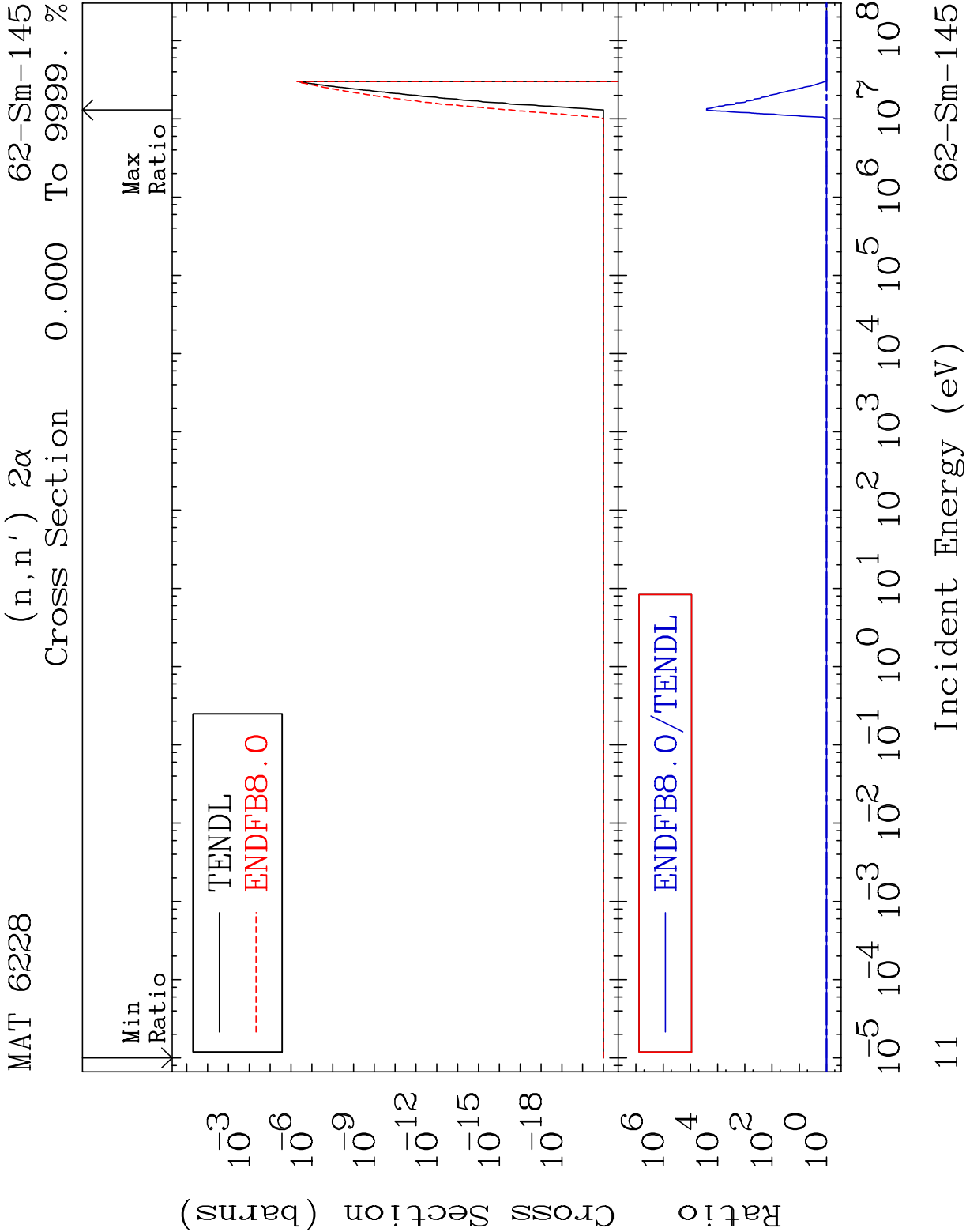










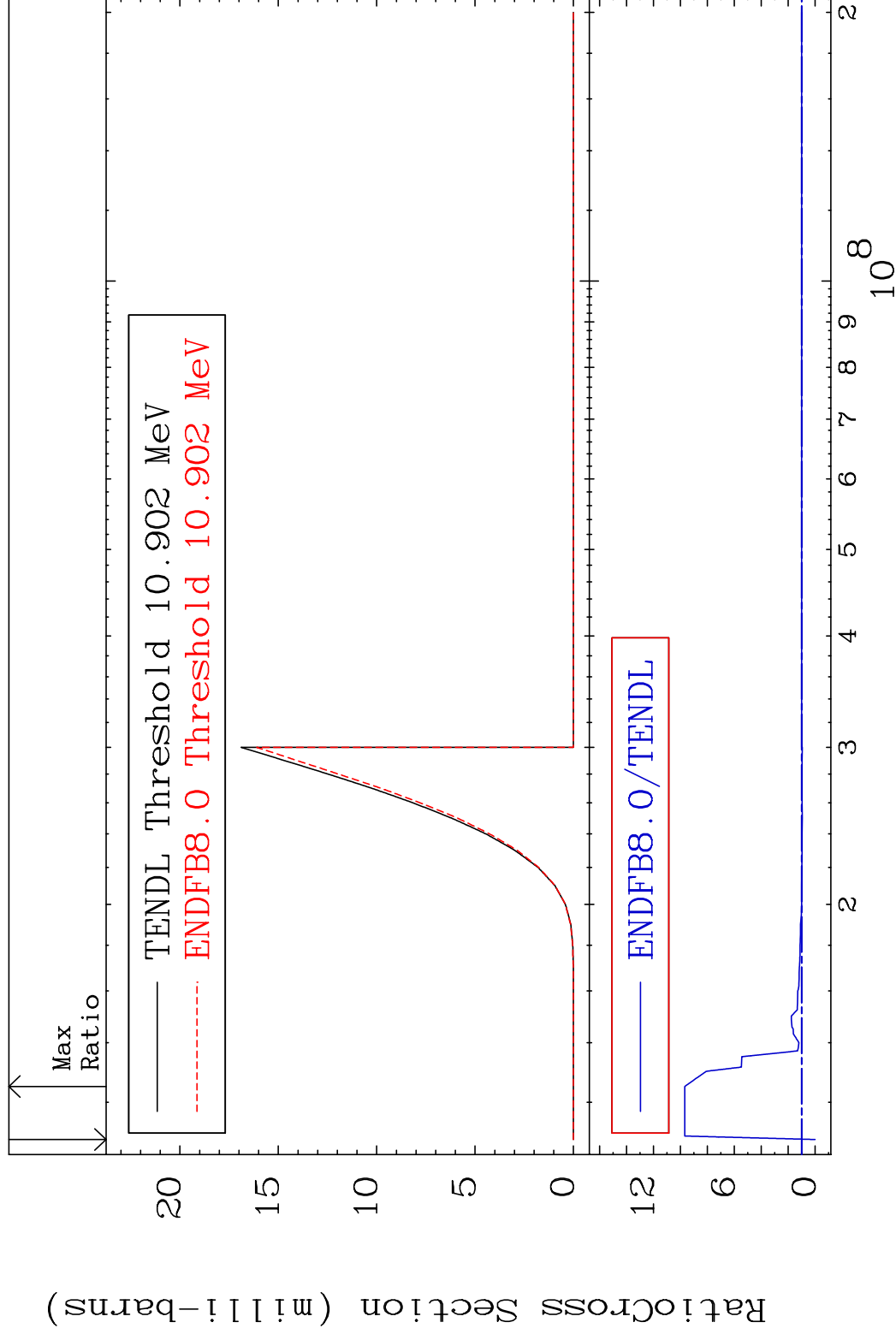


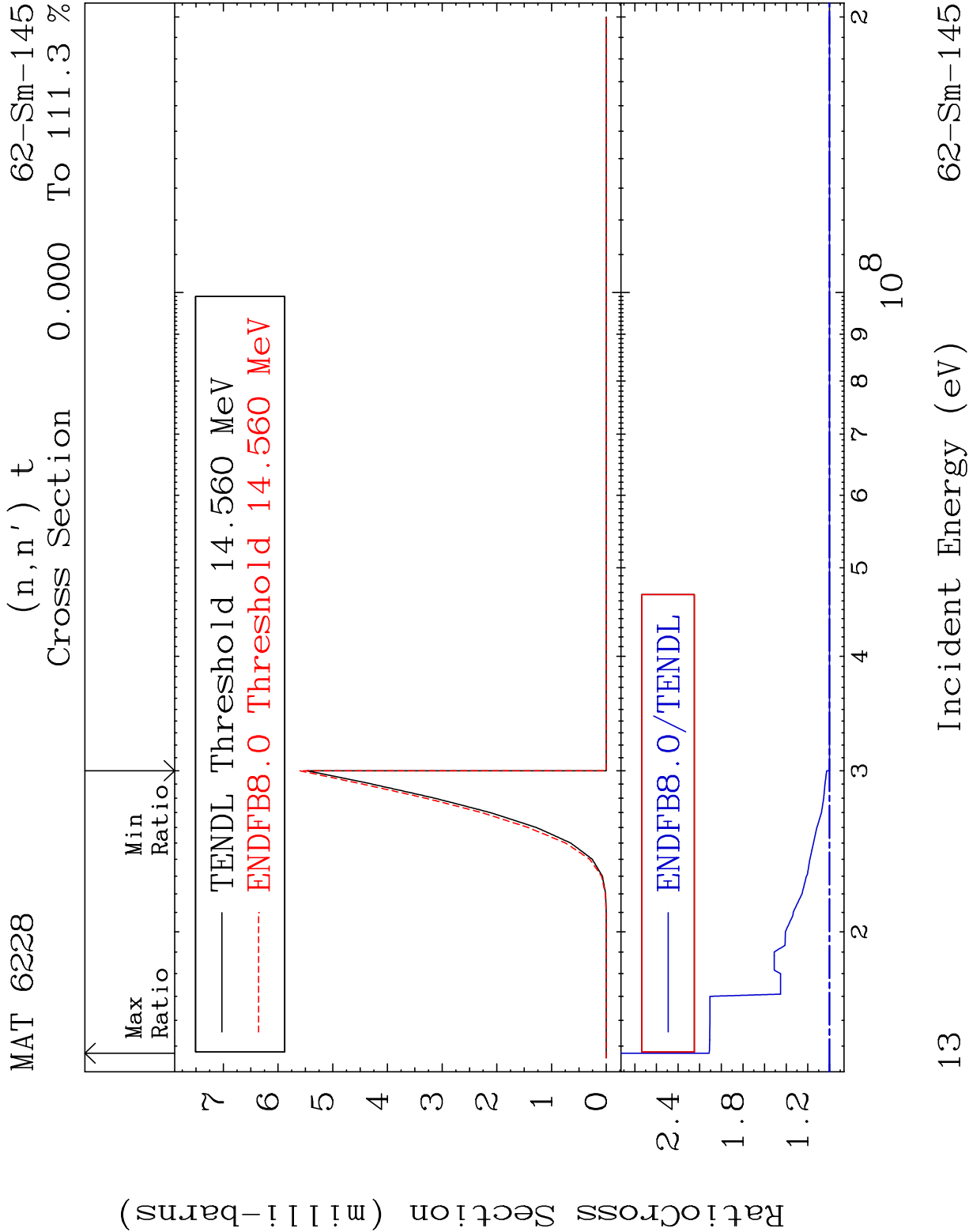
MAT 6228

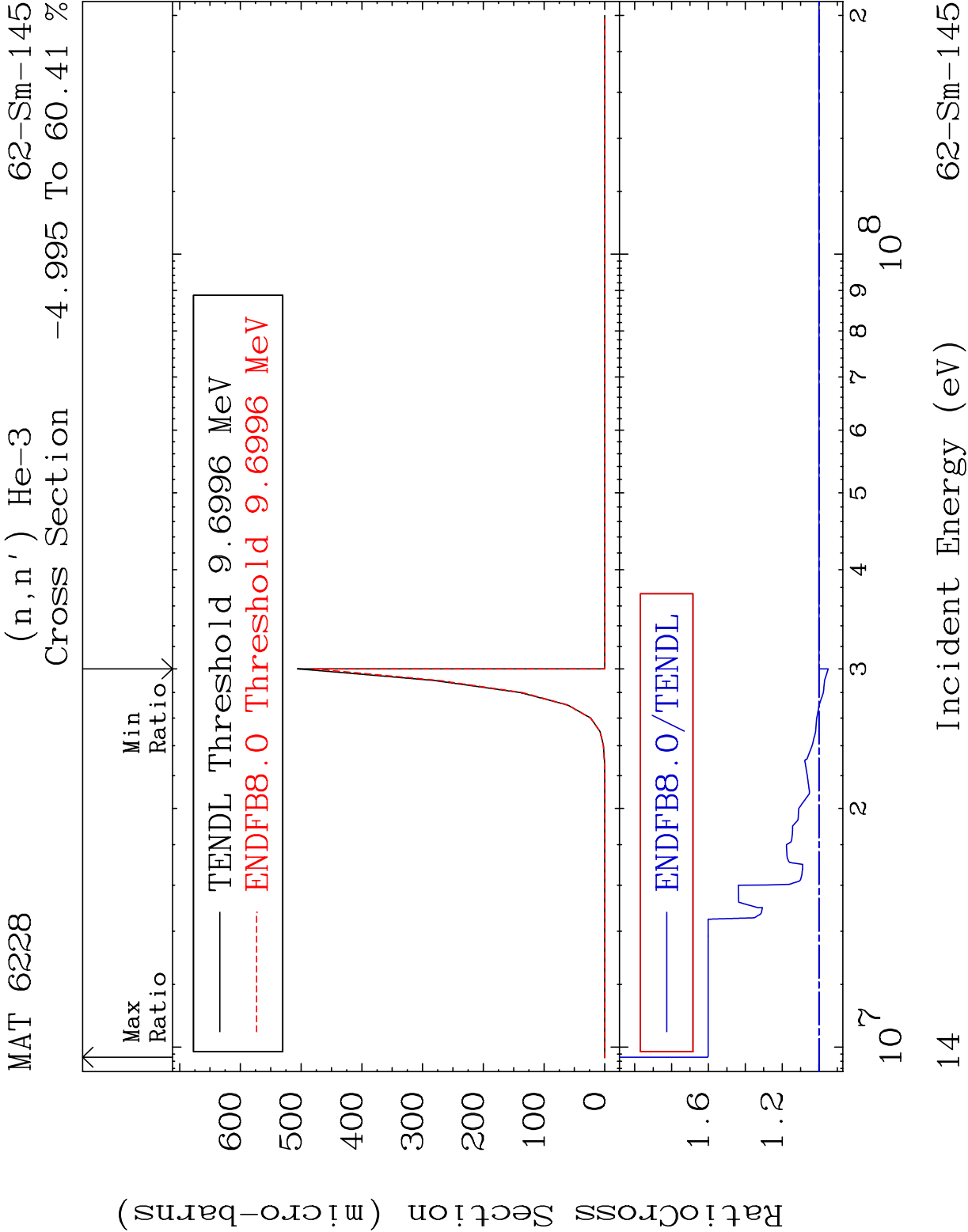
$$(n, n') \text{ d}$$

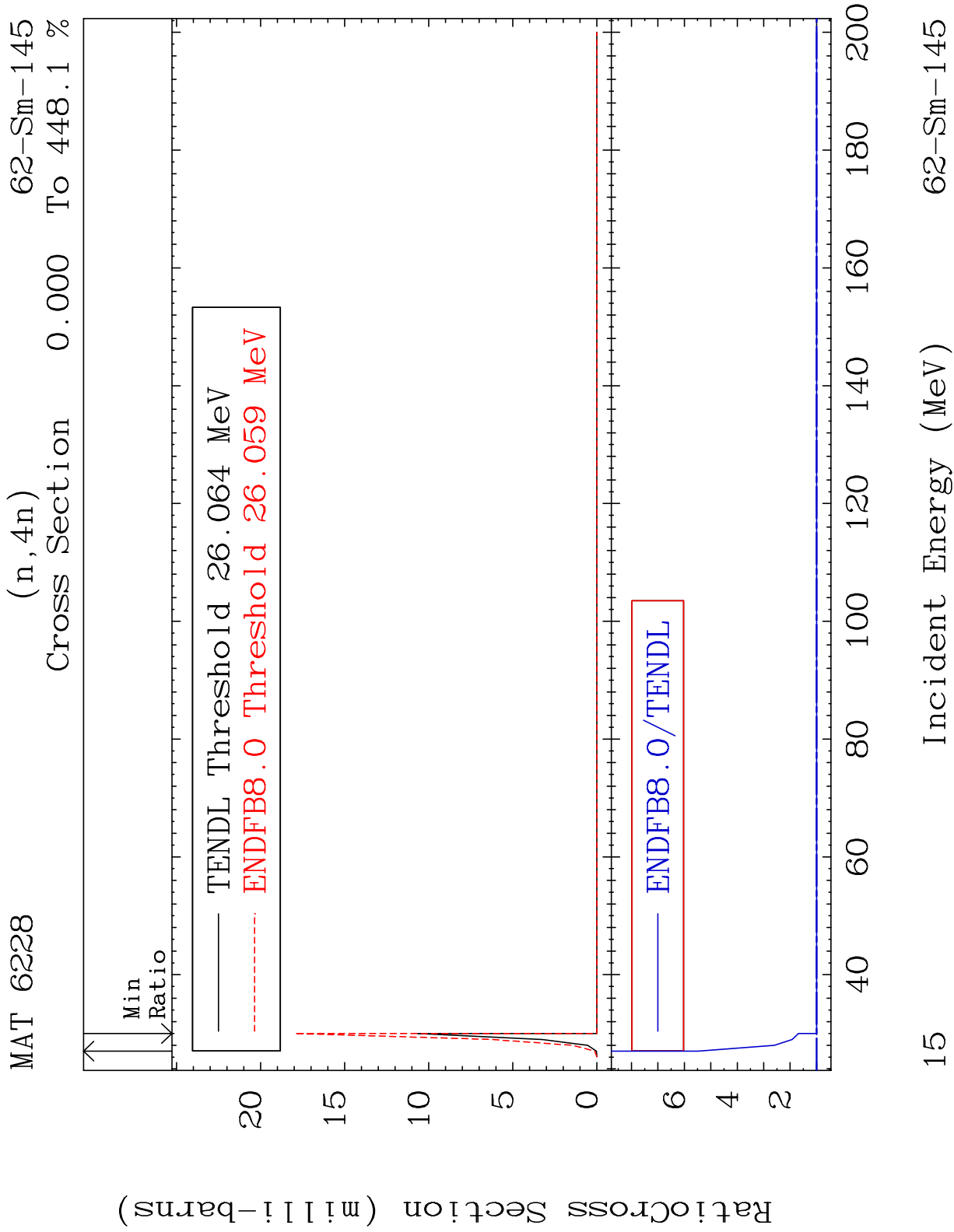
62-Sm-145

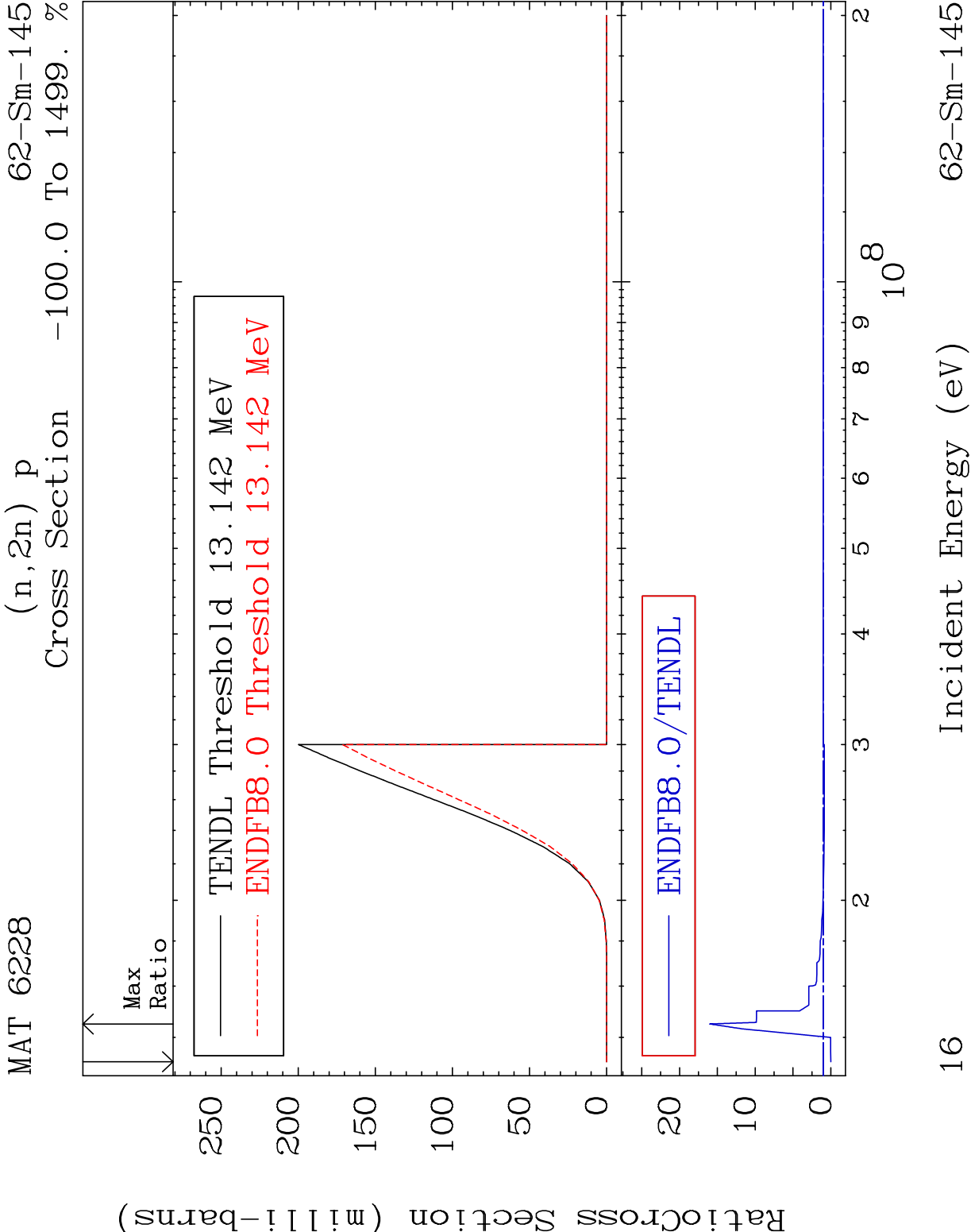
Cross Section -100.0 To 868.4 %

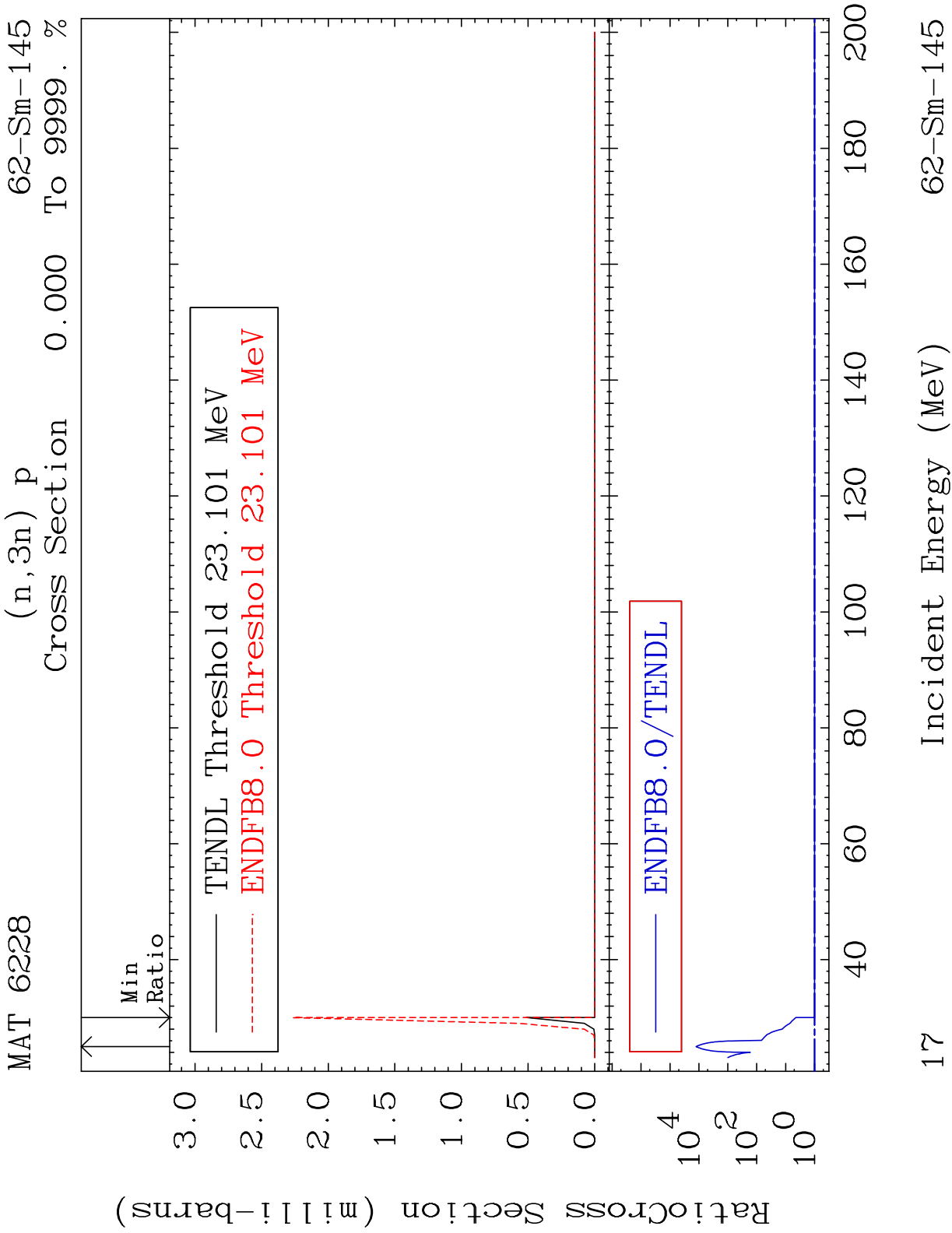


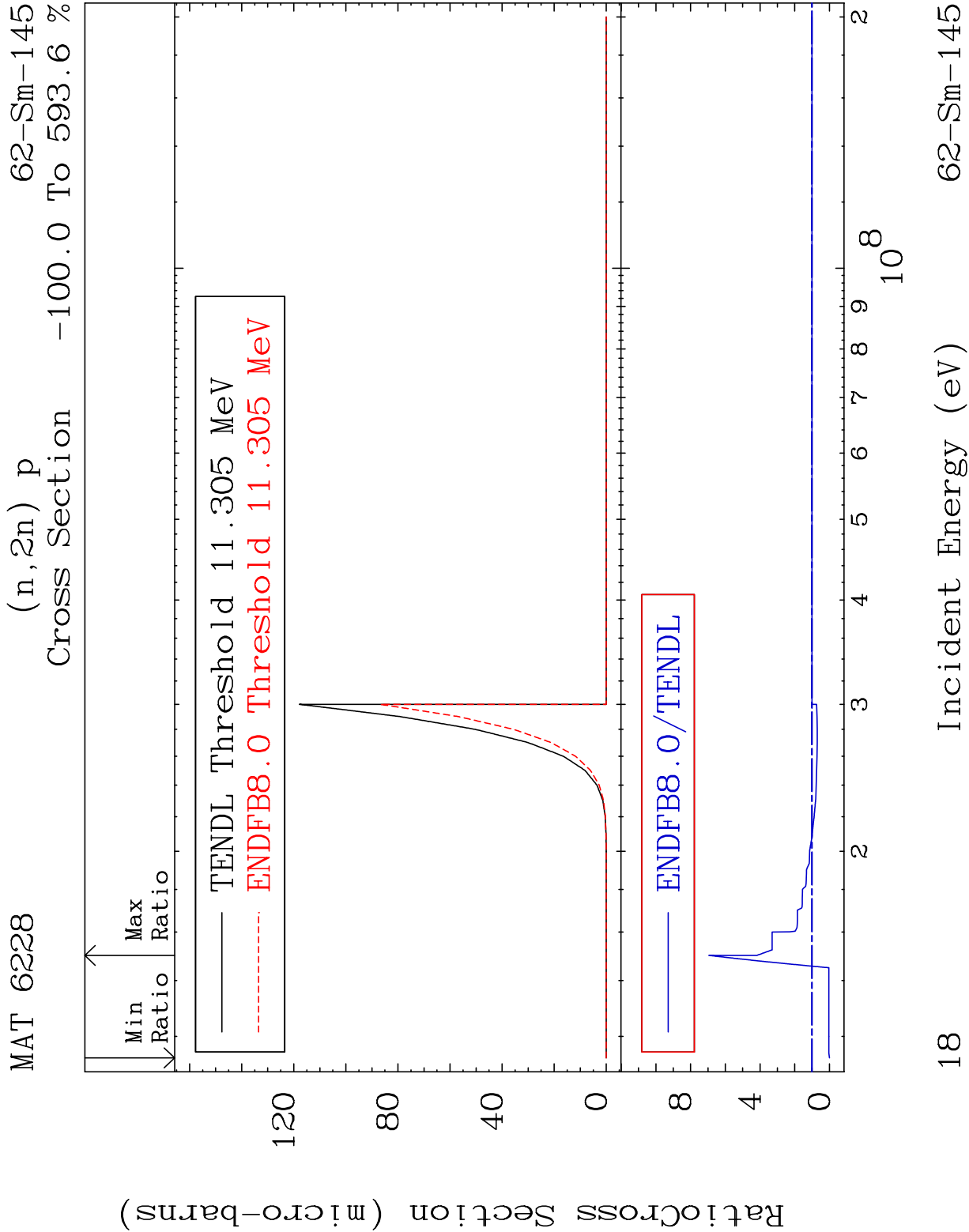










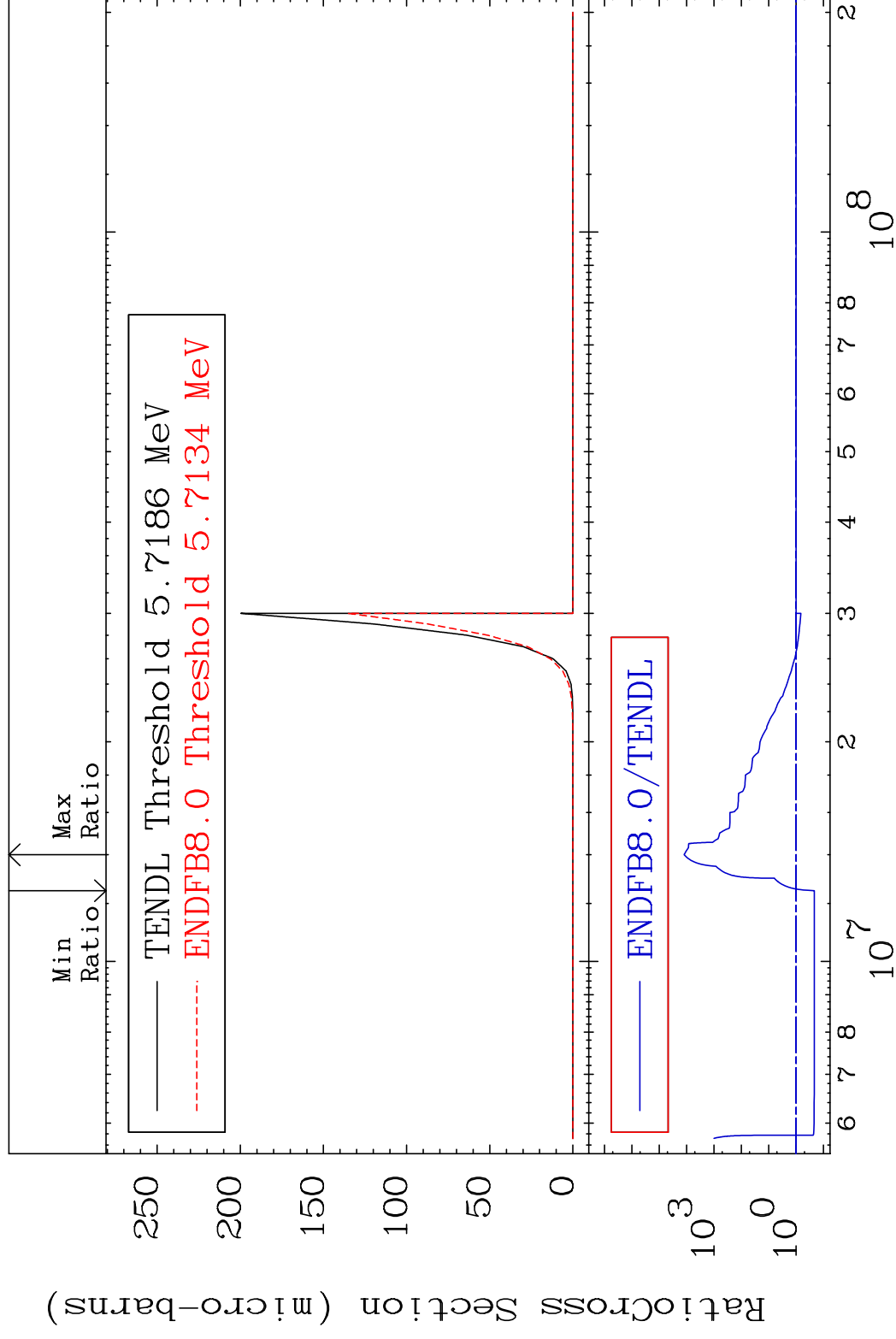


MAT 6228

(n, n') p α 62-Sm-145

62-Sm-145

Cross Section -78.20 To 9999. %

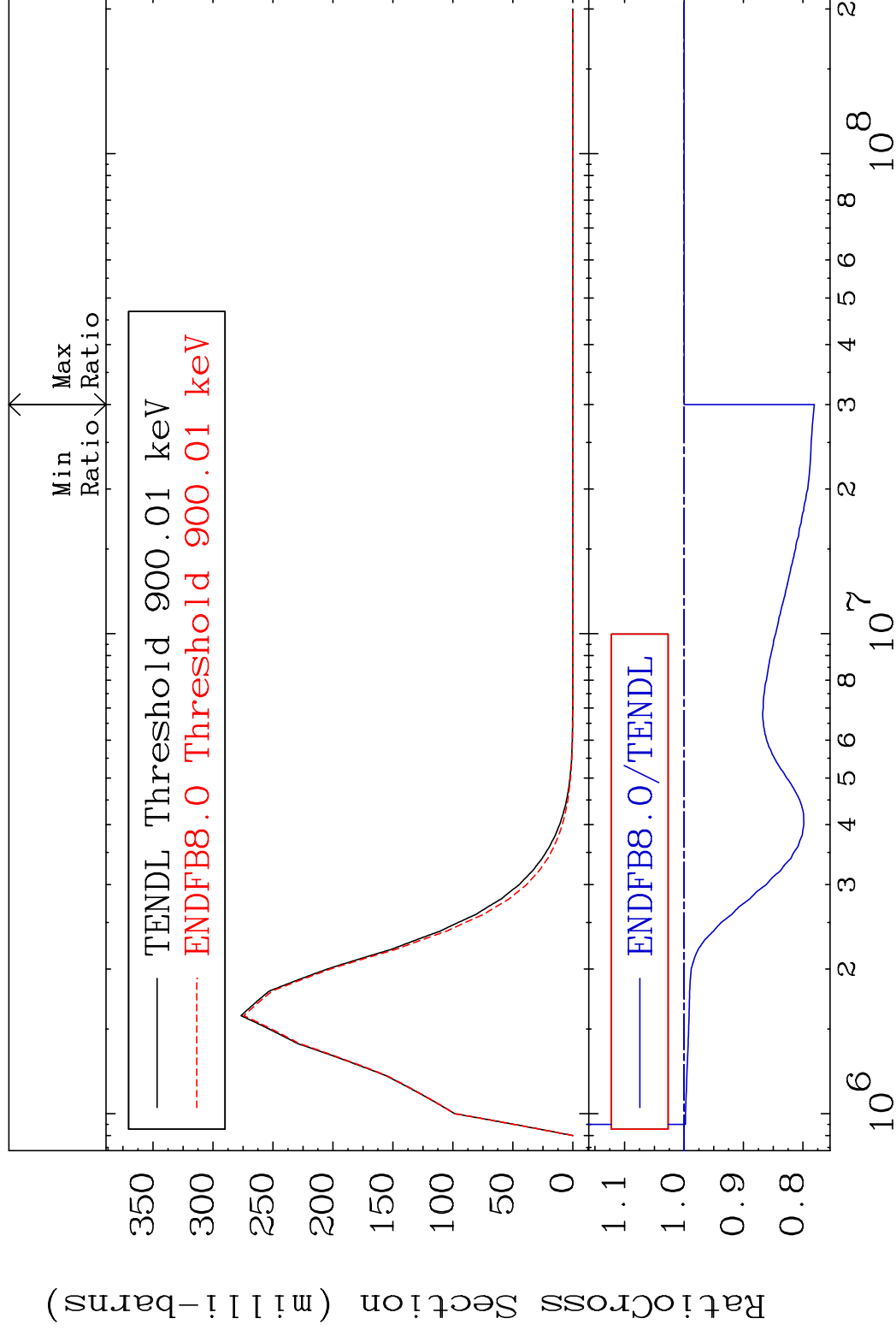


MAT 6228

MT= 51 (n, n') Level

62-Sm-145

Cross Section	-21.91 To 0.000 %

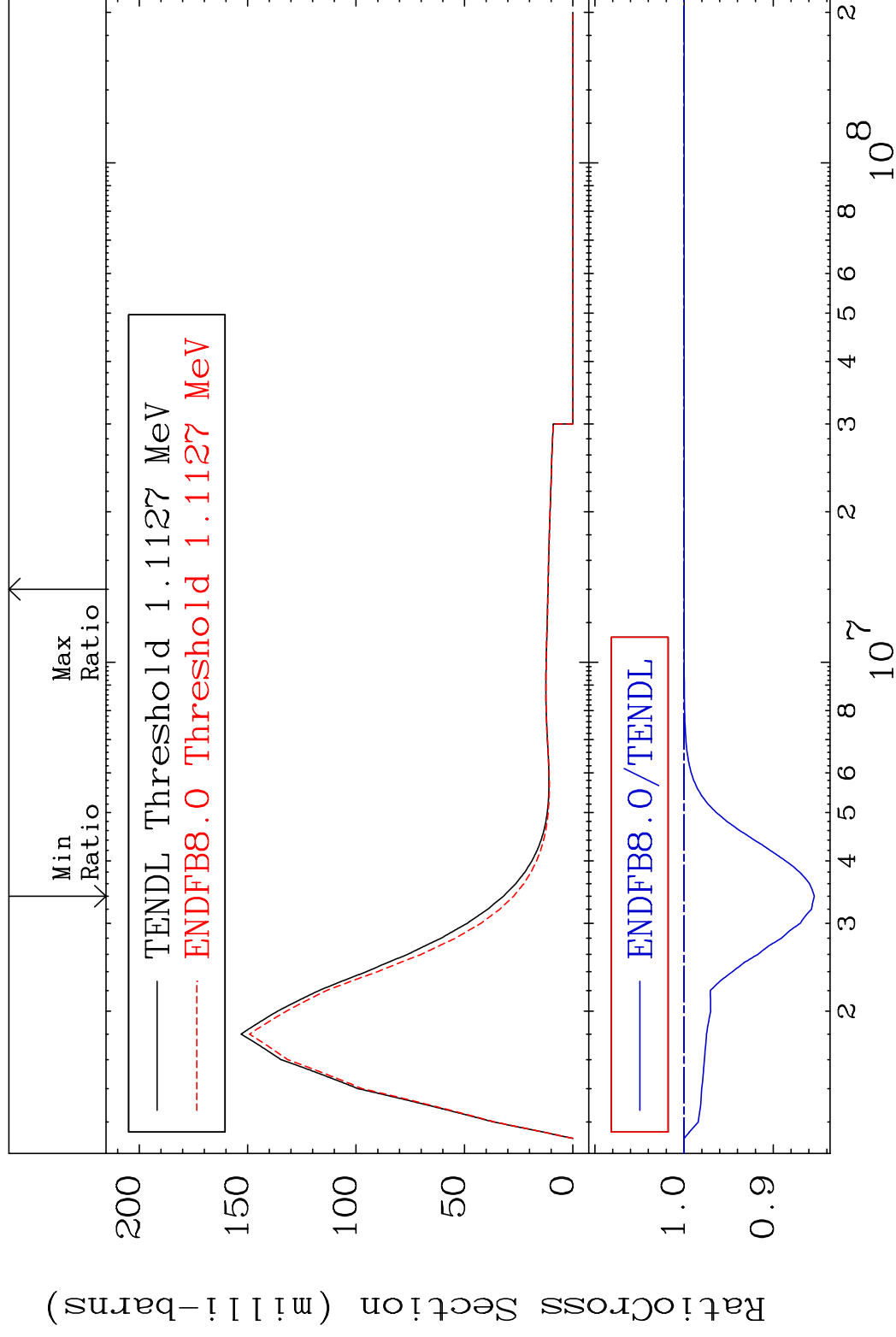


MAT 6228

MT= 52 (n, n') Level

 ${}^{62}\text{Sm}-145$

Cross Section -14.60 To 0.000 %



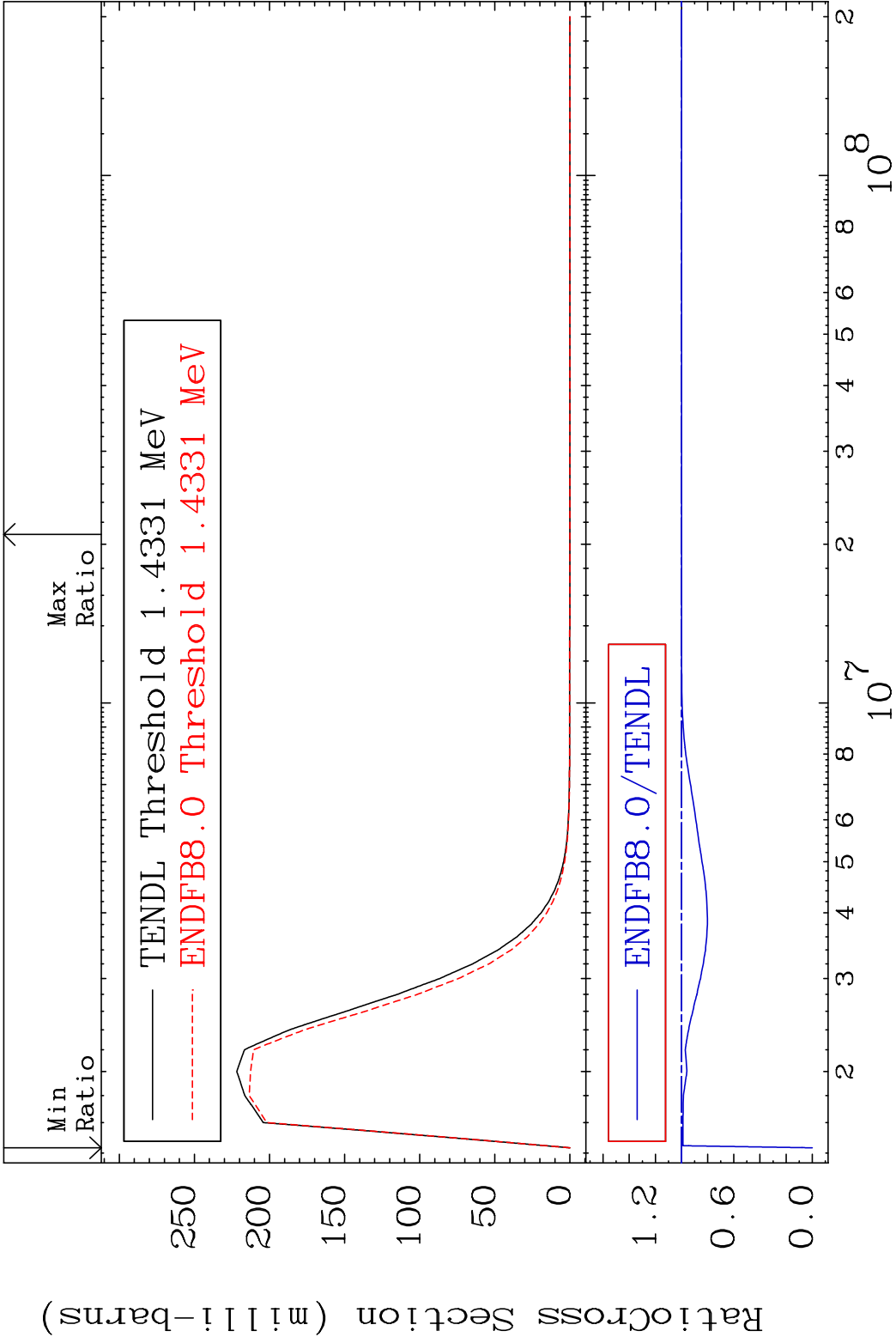
MAT 6228

MT= 53 (n,n') Level

62-Sm-145

Cross Section

-100.0 To 0.000 %



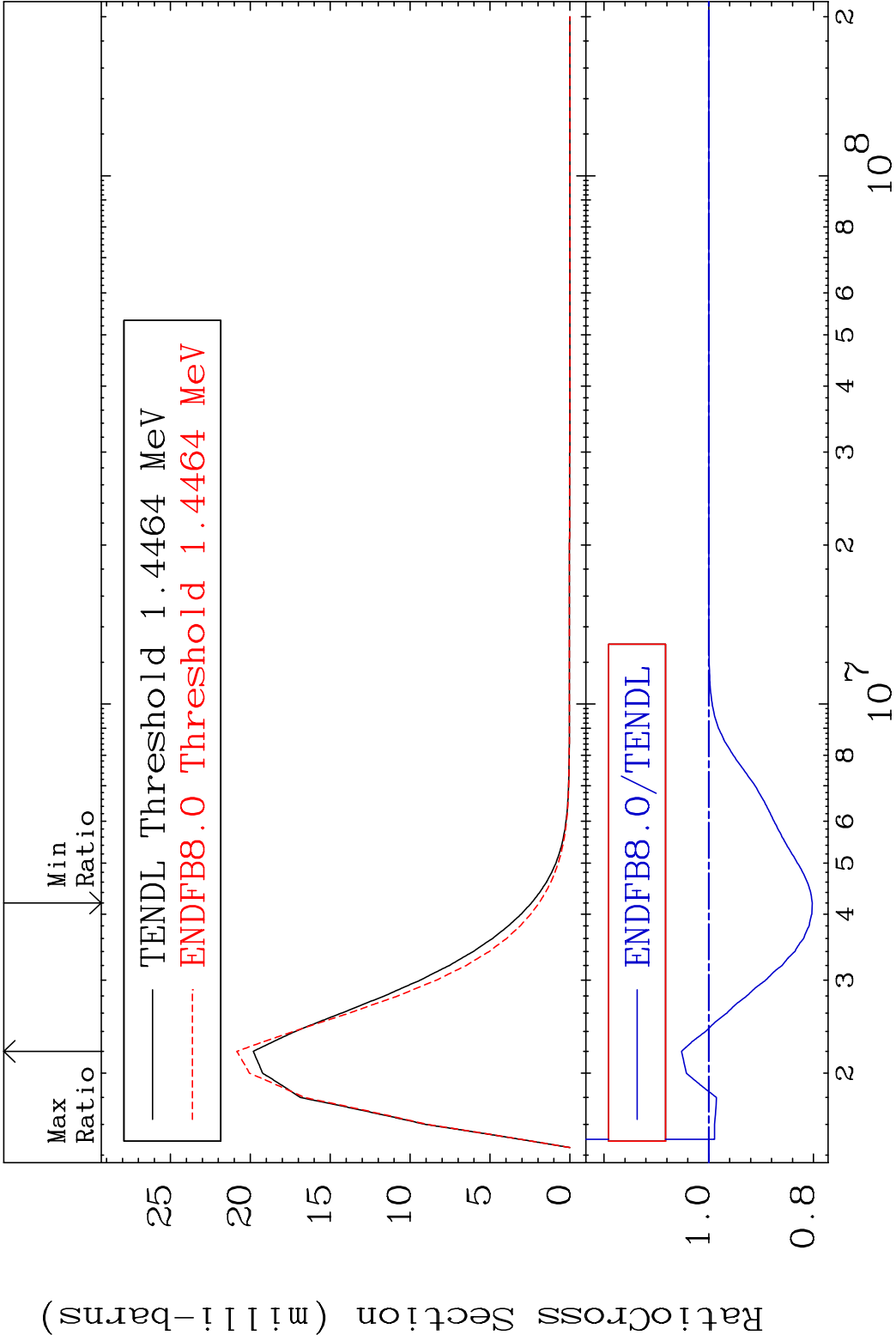
MAT 6228

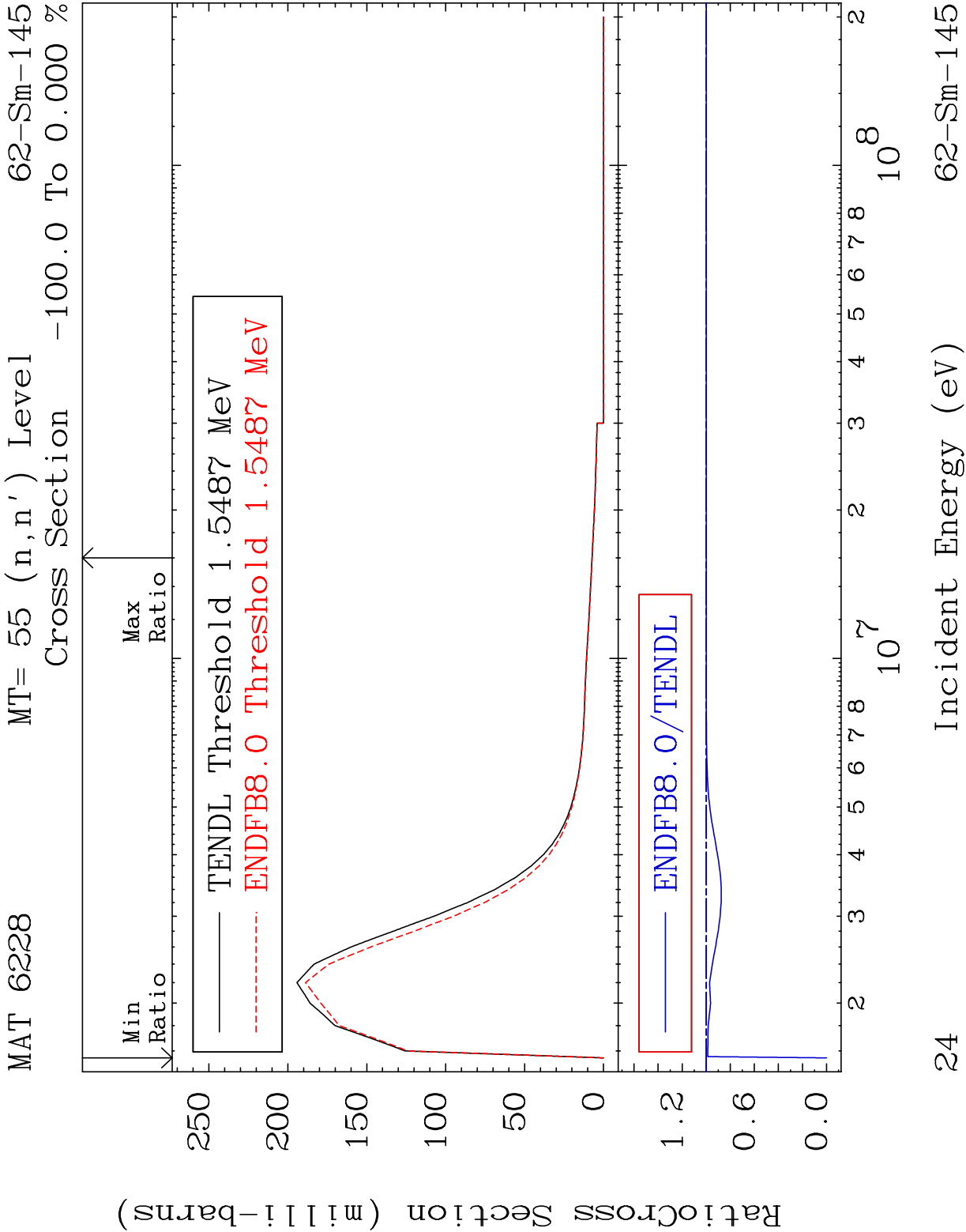
MT= 54 (n,n') Level

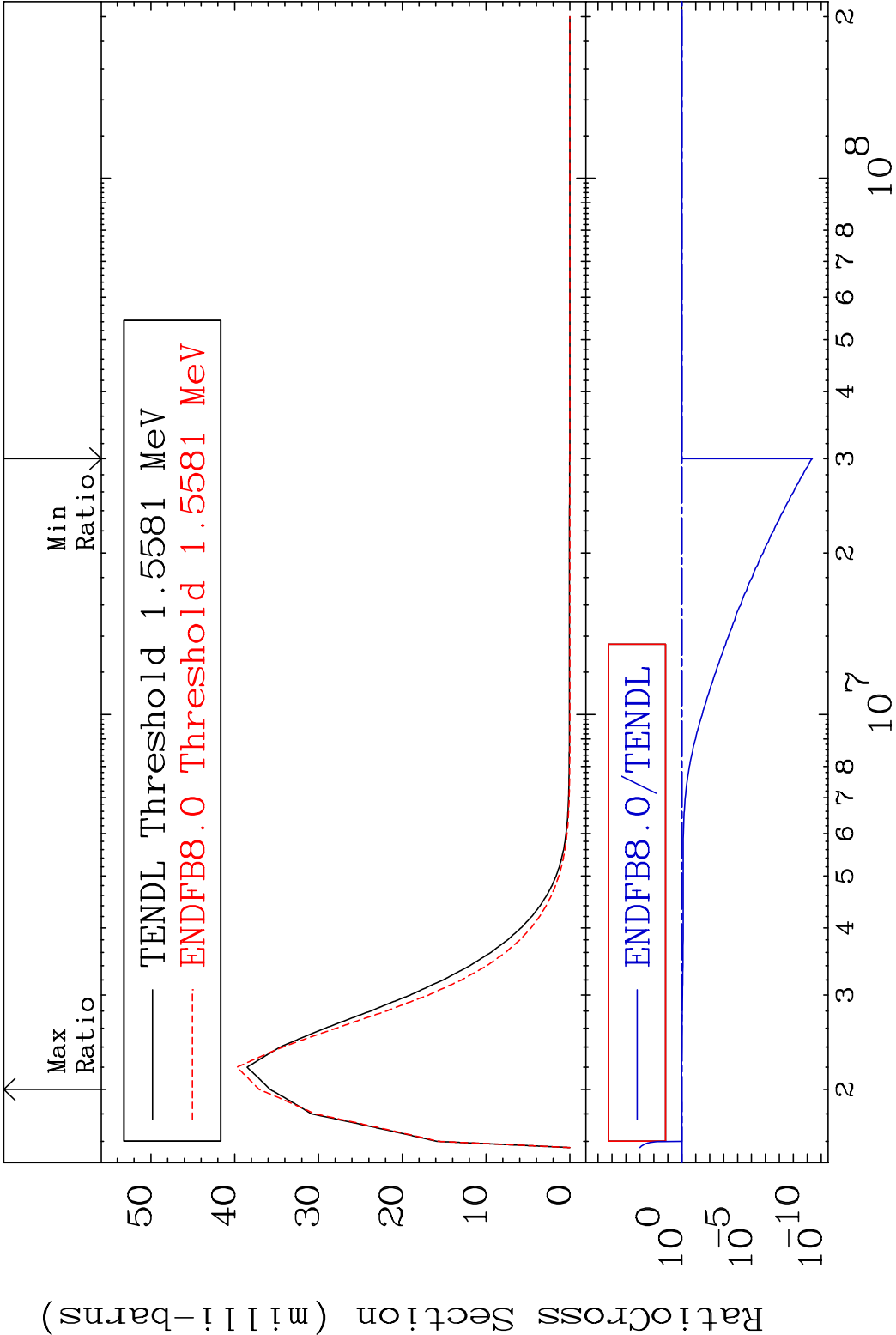
62-Sm-145

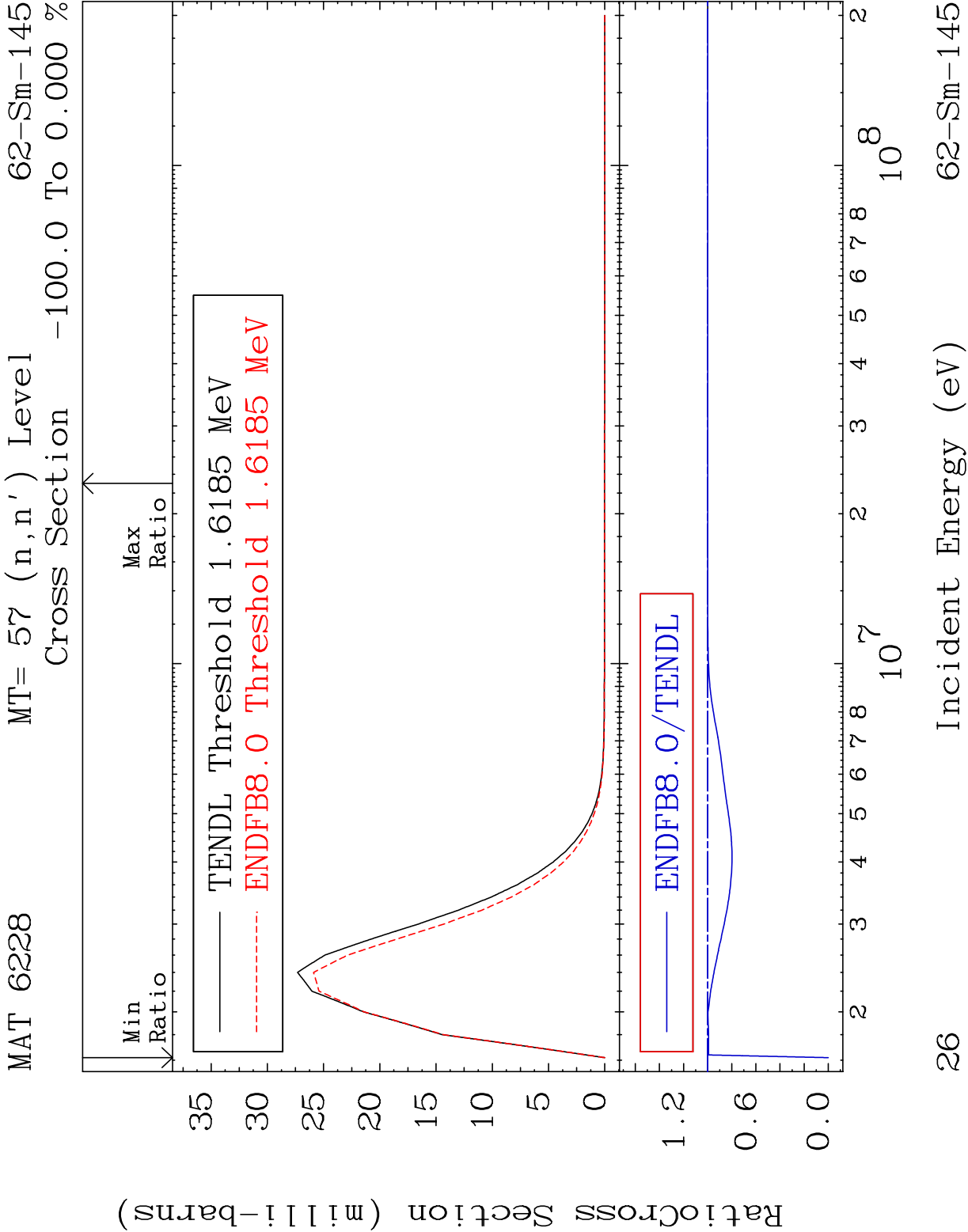
Cross Section

-19.76 To 5.195 %









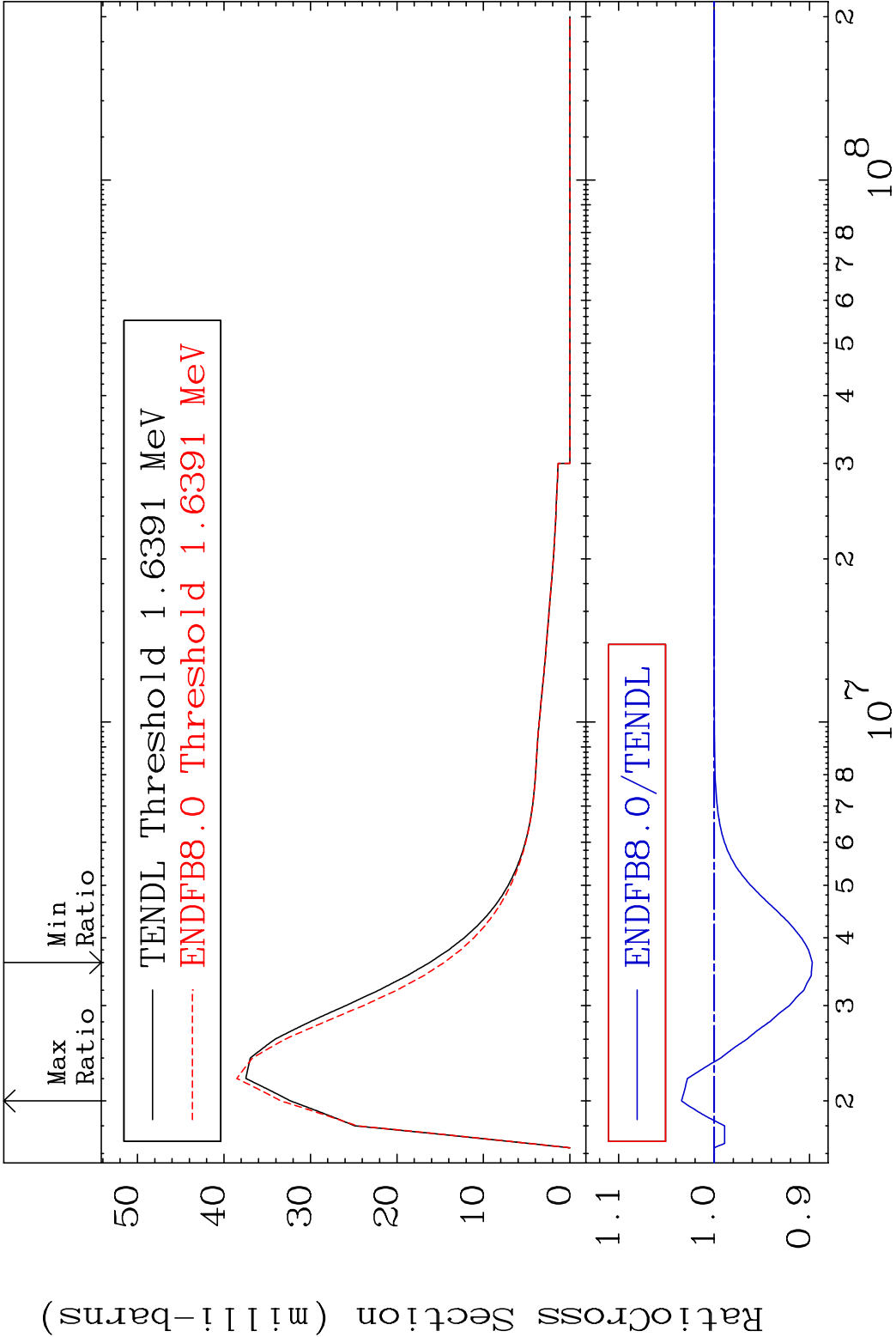
MAT 6228

MT= 58 (n,n') Level

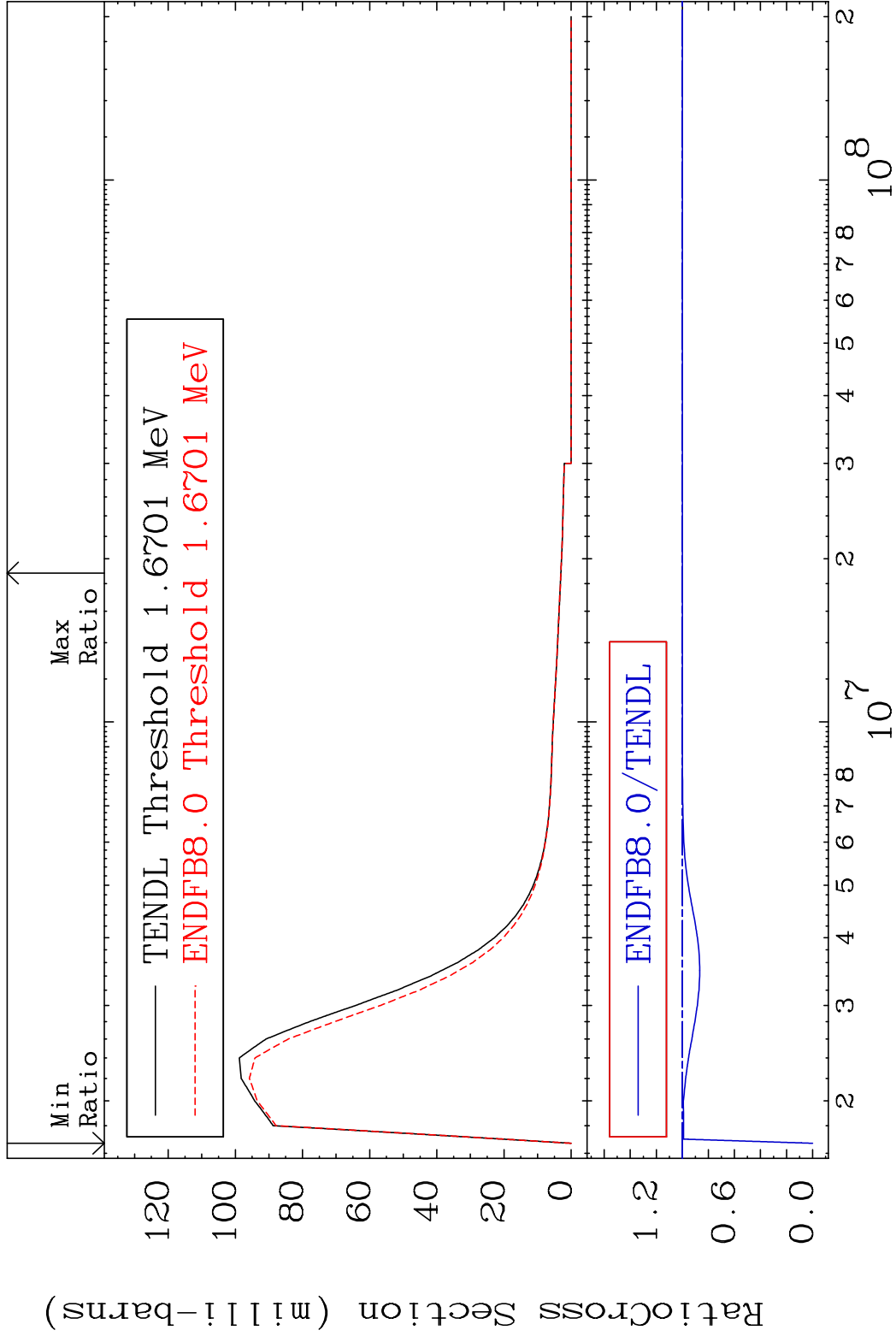
62-Sm-145

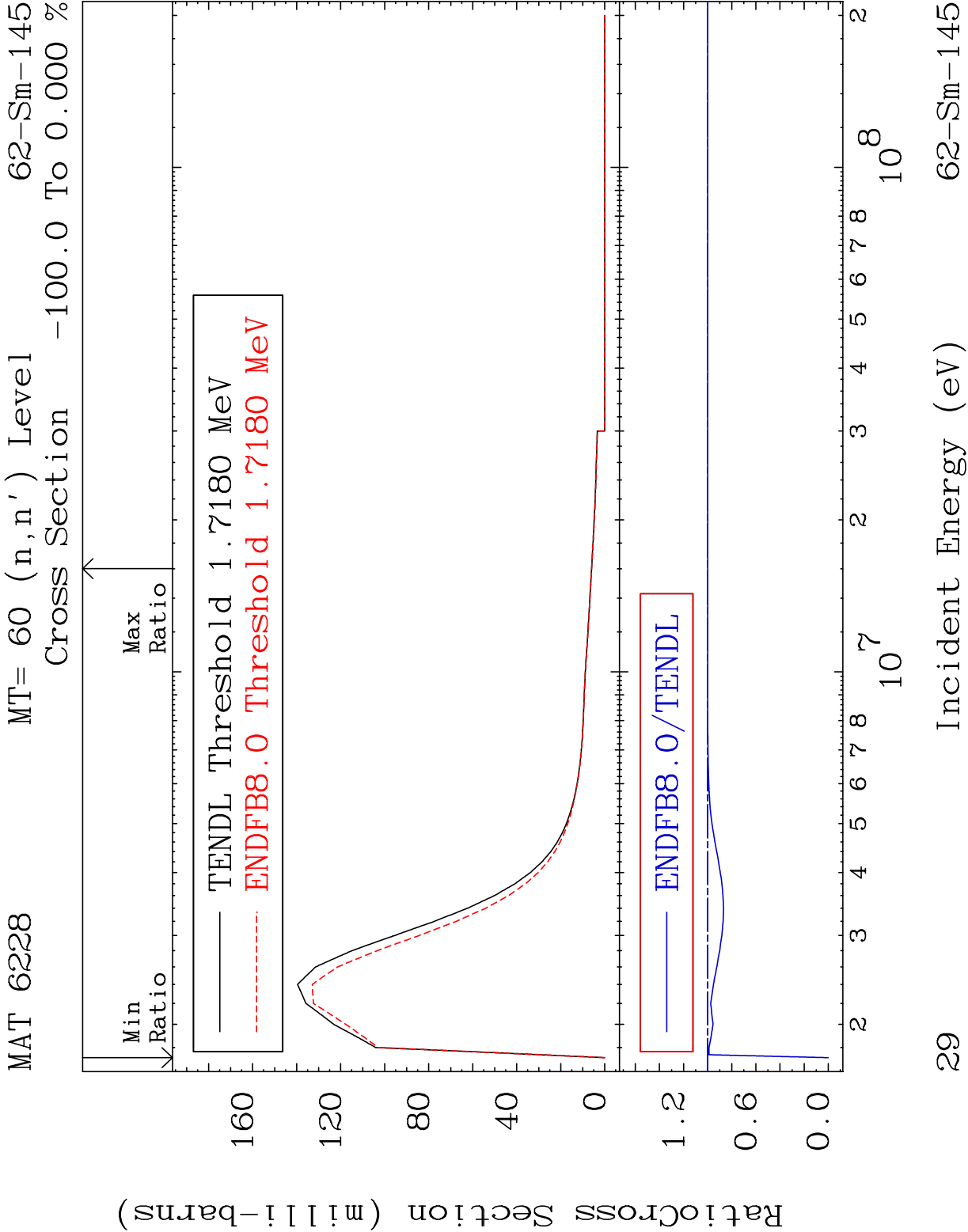
Cross Section

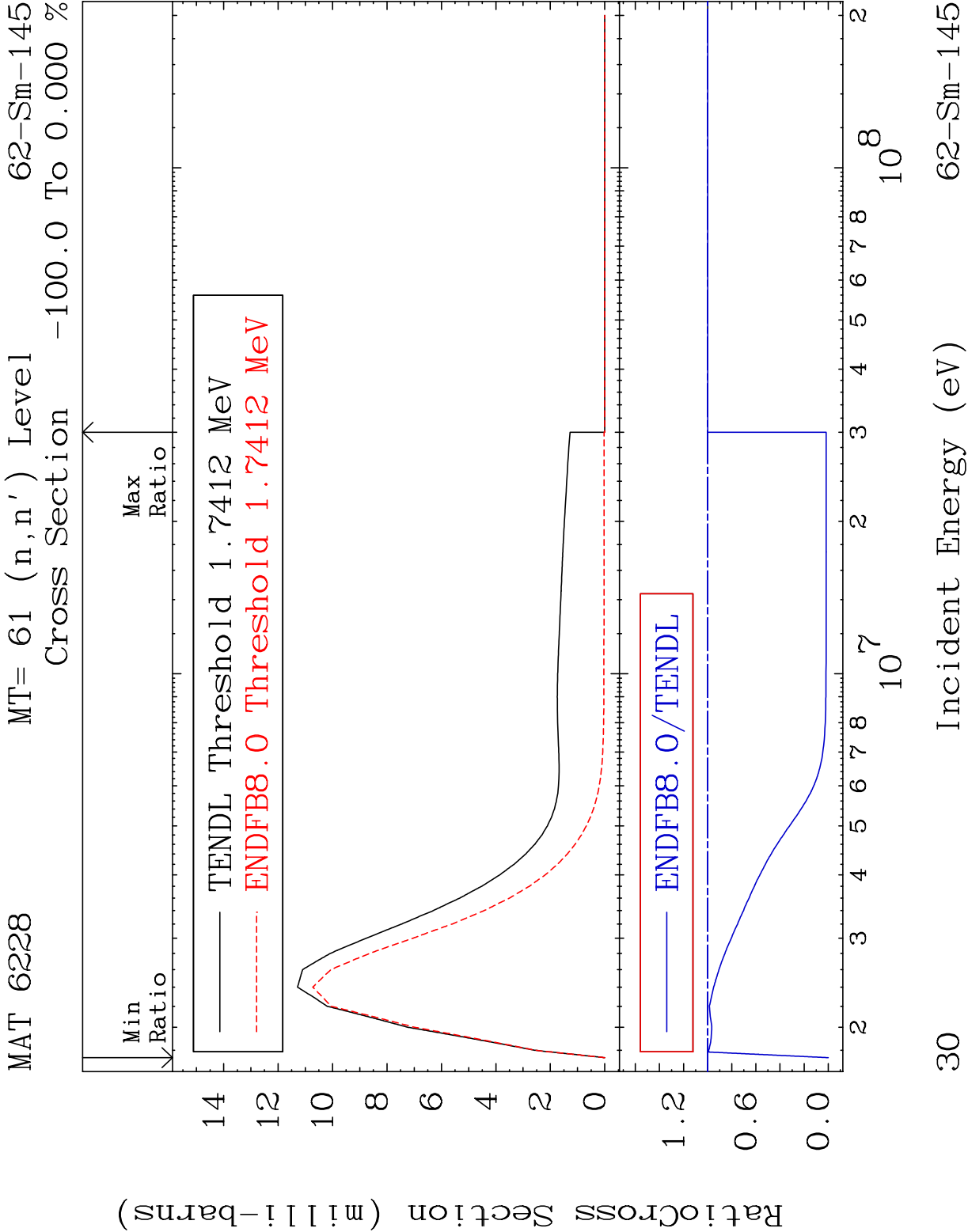
-10.28 To 3.415 %

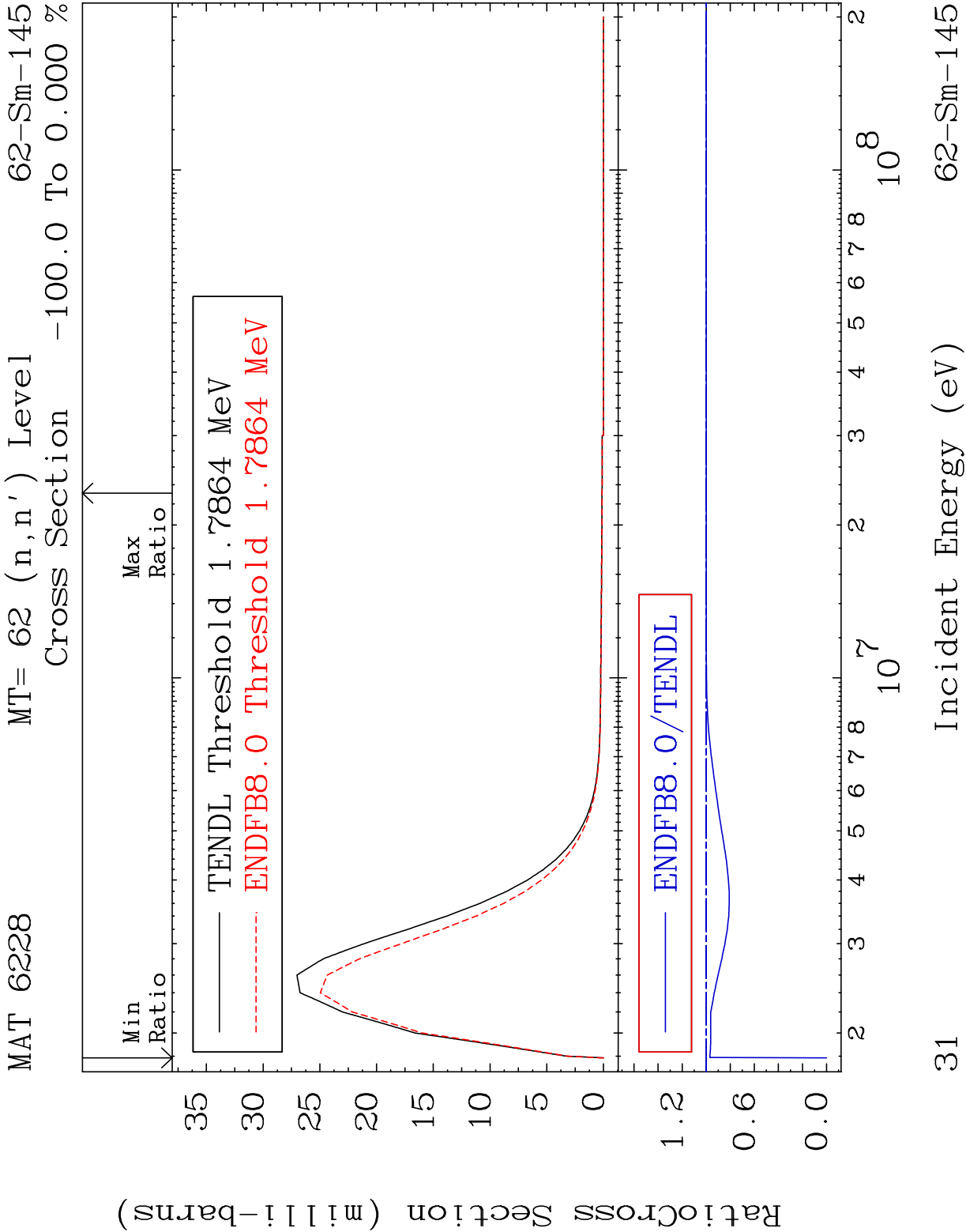


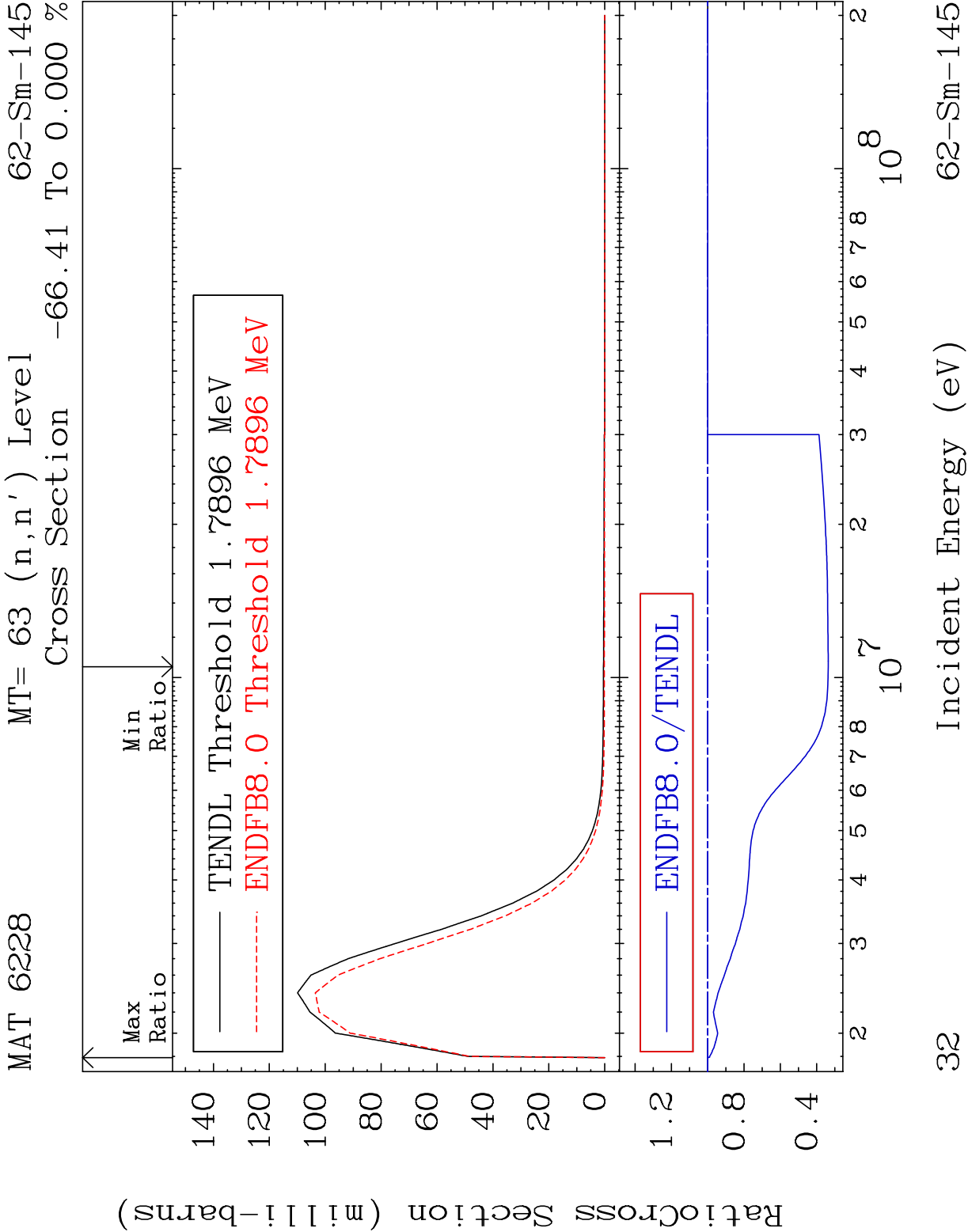
MAT 6228 MT= 59 (n,n') Level 62-Sm-145
Cross Section -100.0 To 0.000 %











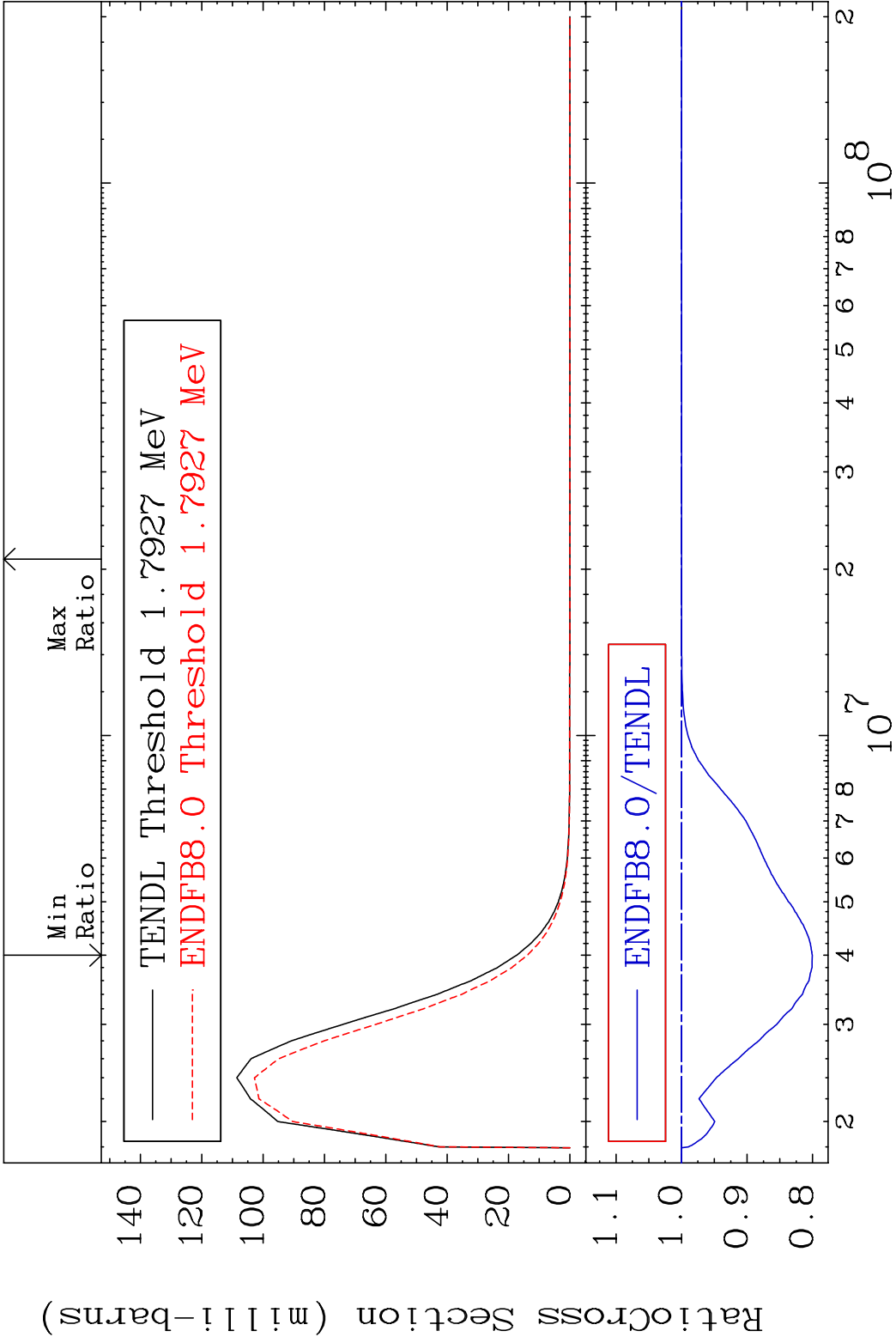
MAT 6228

MT= 64 (n,n') Level

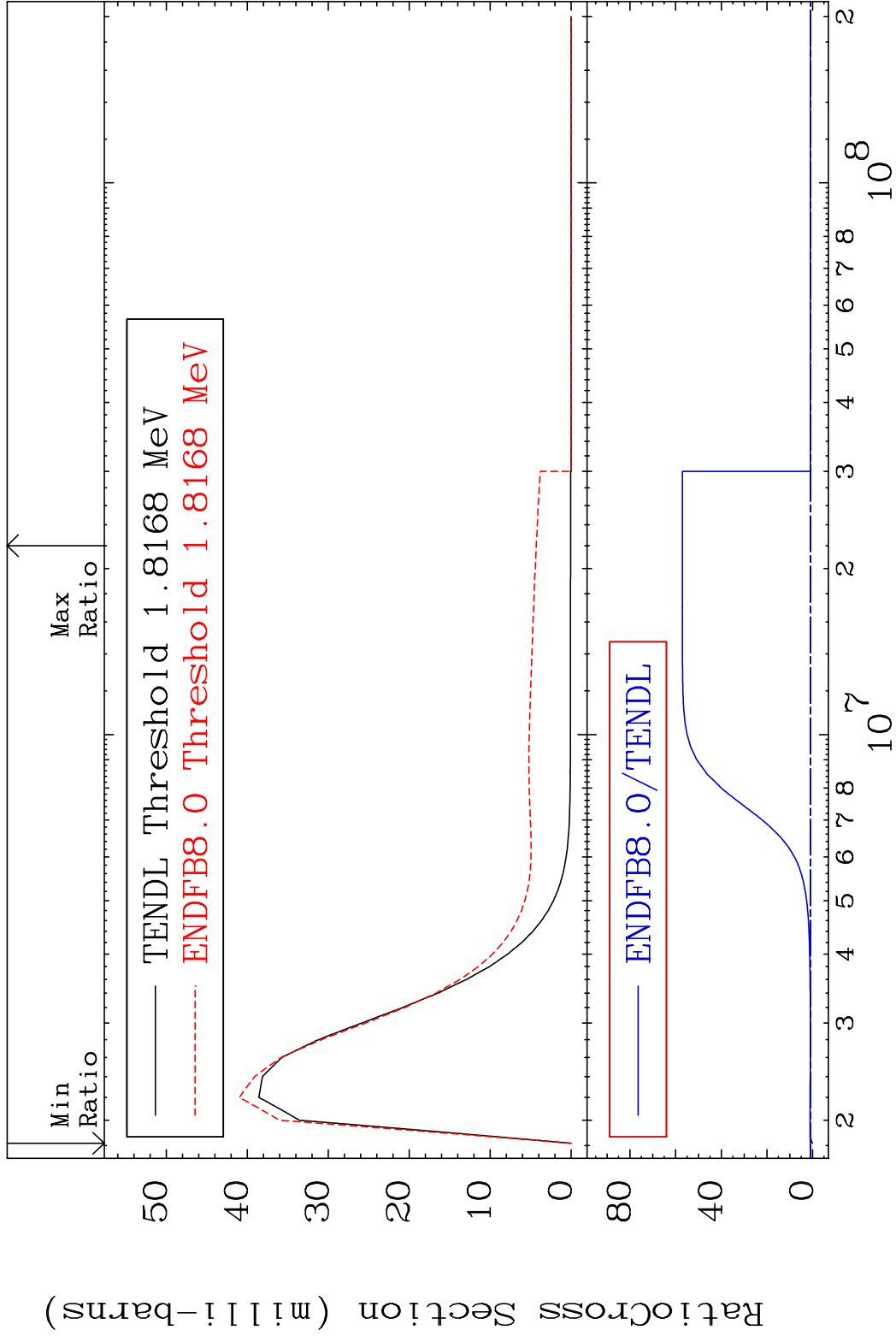
62-Sm-145

Cross Section

-19.95 To 0.000 %



MAT 6228 MT= 65 (n,n') Level 62-Sm-145
Cross Section -100.0 To 5607. %



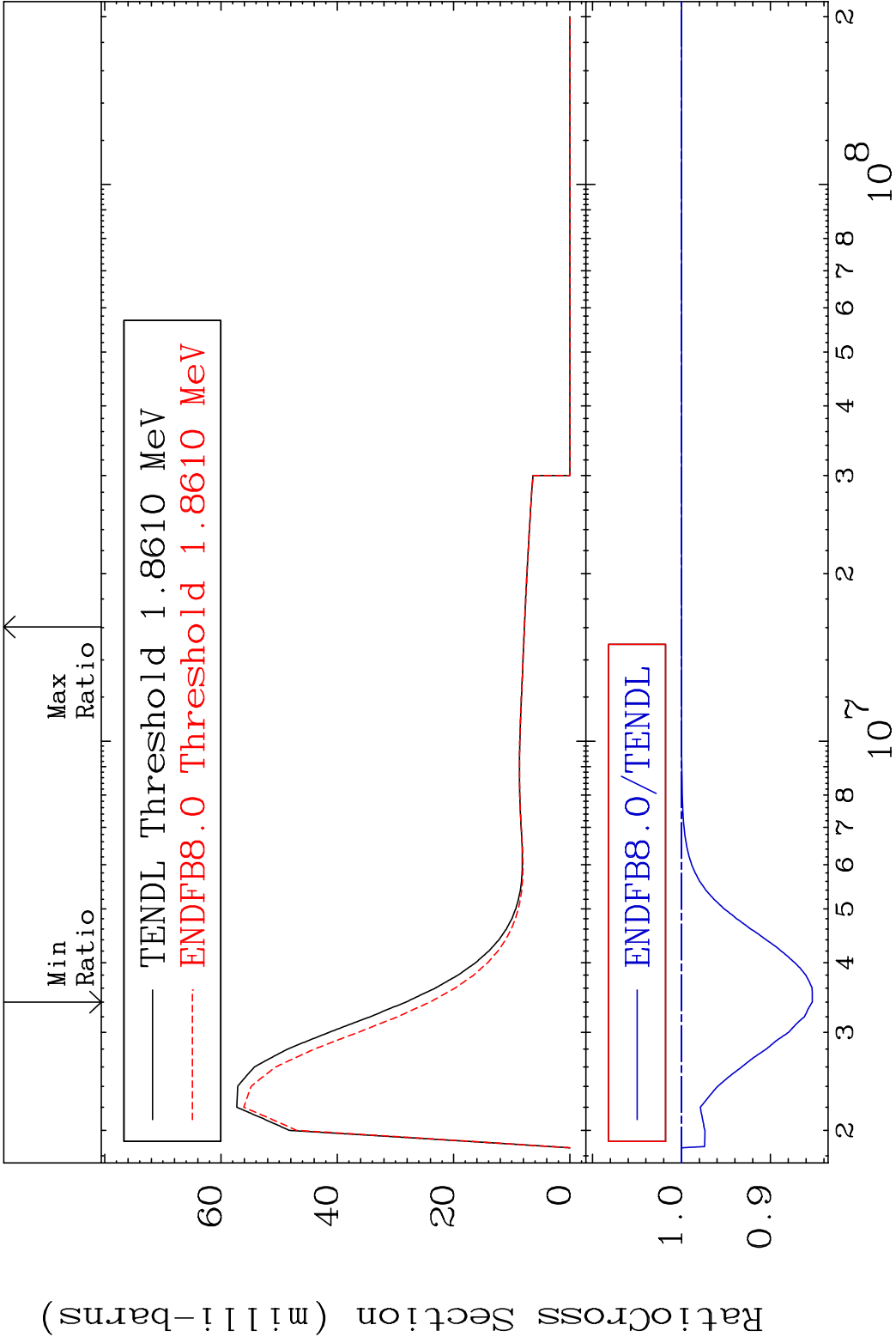
MAT 6228

MT= 66 (n,n') Level

62-Sm-145

Cross Section

-14.69 To 0.000 %



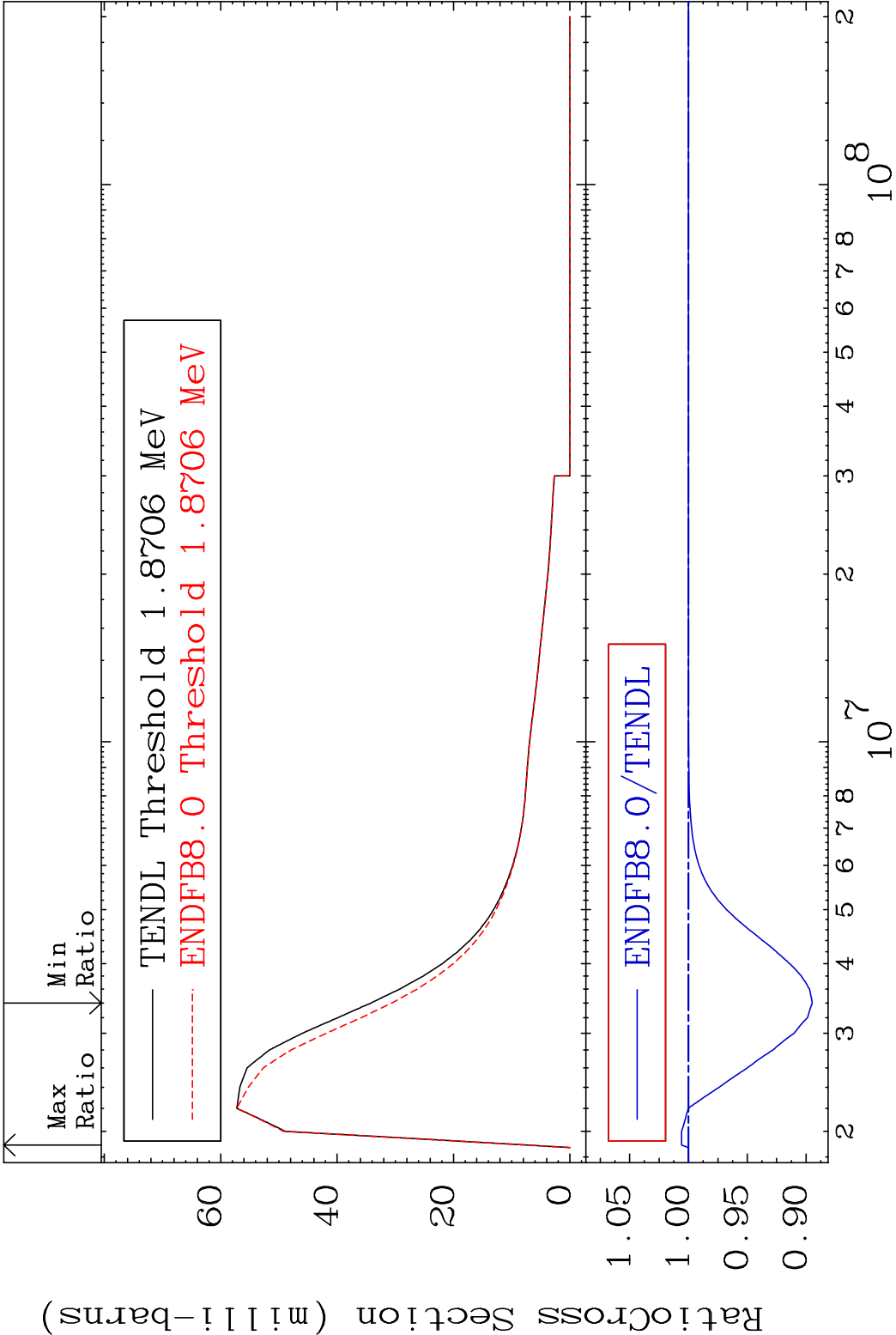
MAT 6228

MT= 67 (n,n') Level

62-Sm-145

Cross Section

-10.52 To 0.587 %



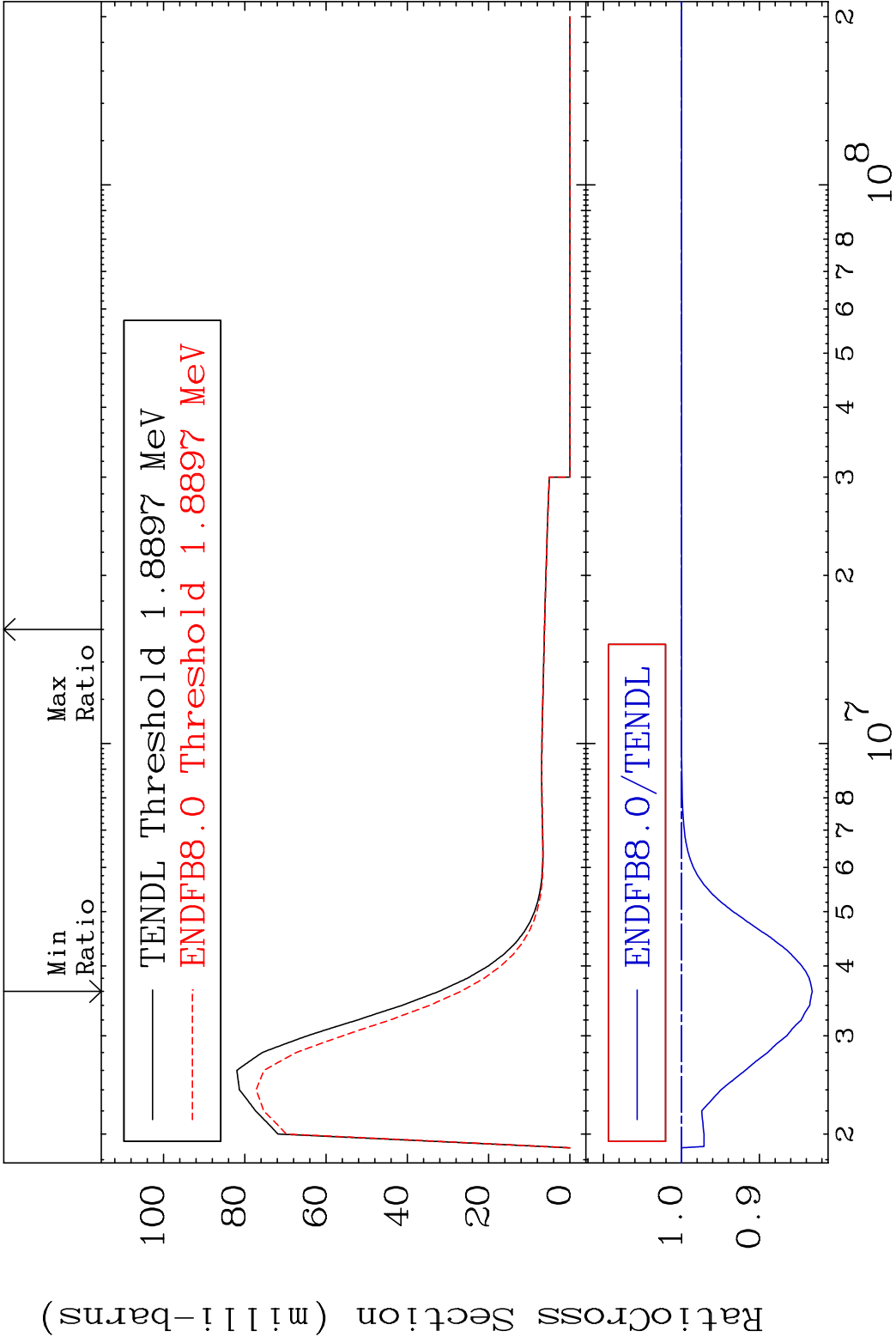
MAT 6228

MT= 68 (n,n') Level

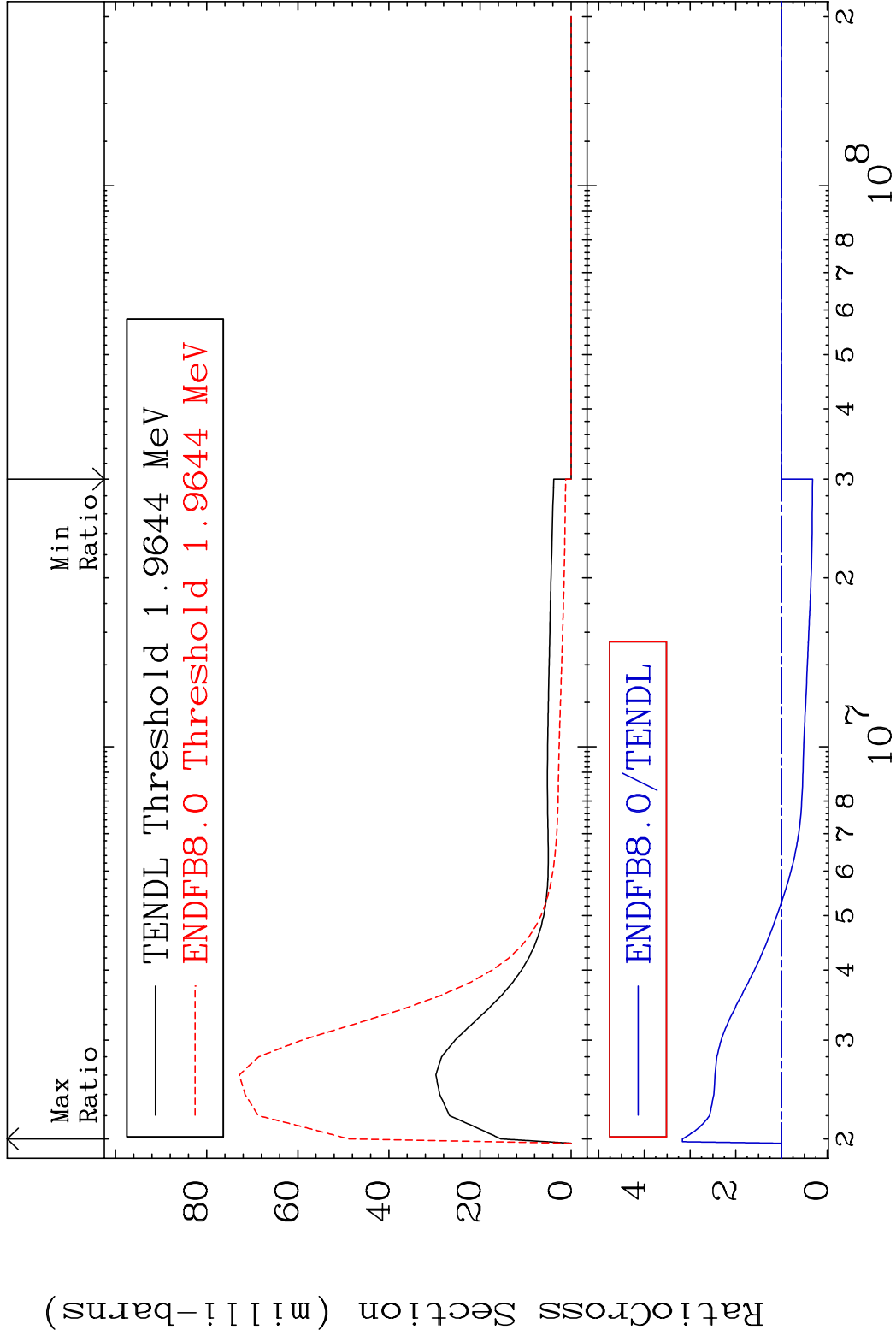
62-Sm-145

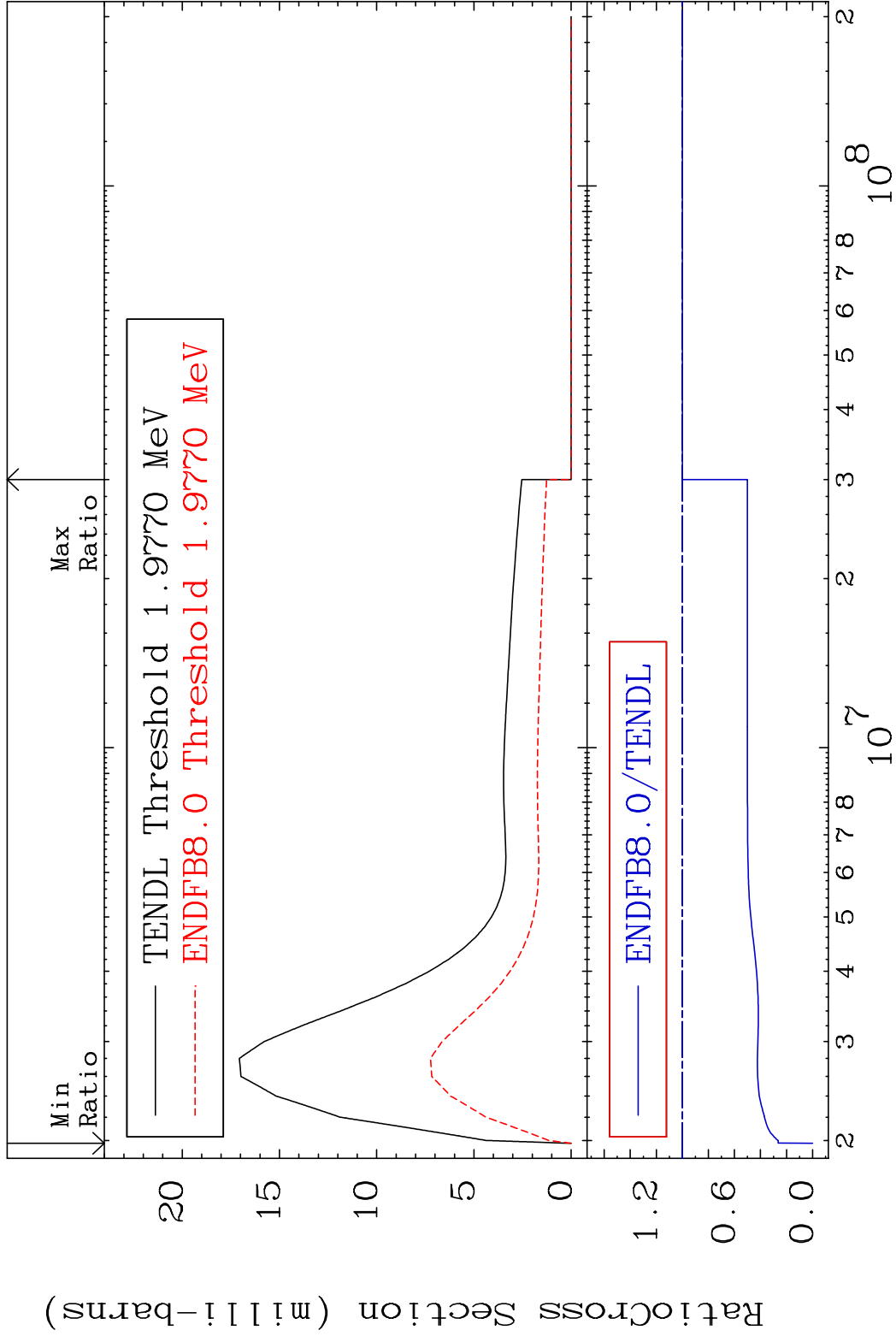
Cross Section

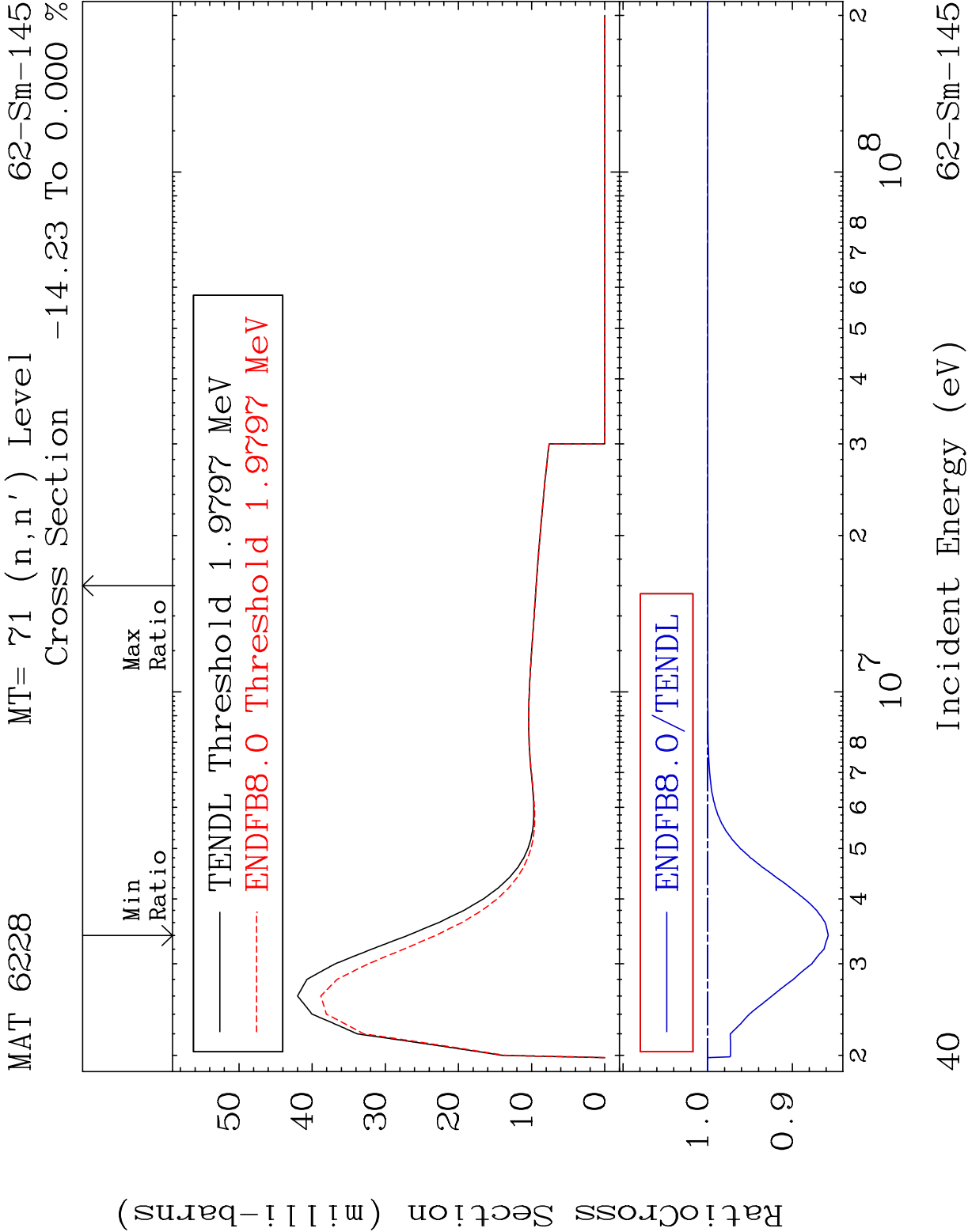
-16.76 To 0.000 %



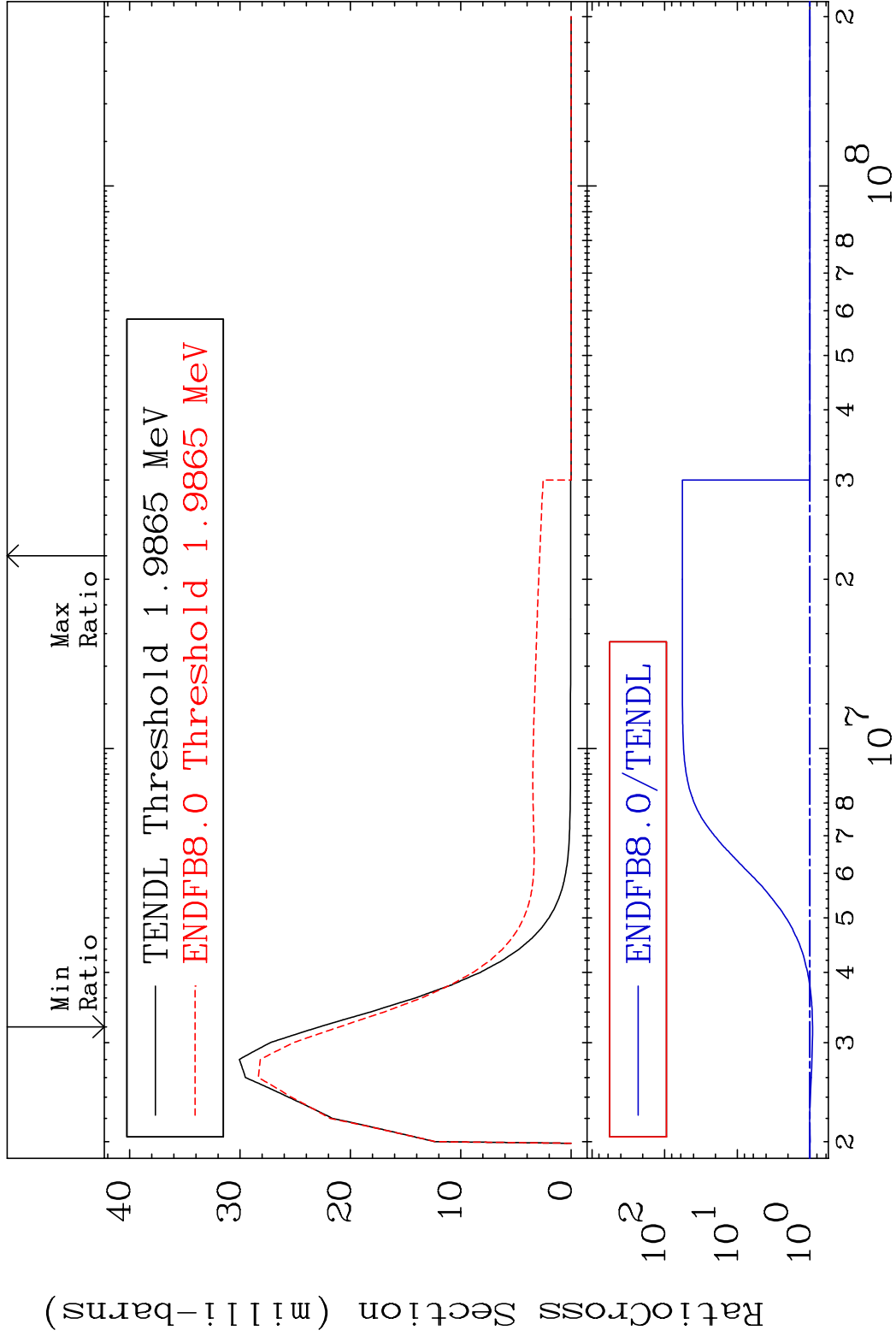
MAT 6228 MT= 69 (n,n') Level 62-Sm-145
Cross Section -68.04 To 216.8 %

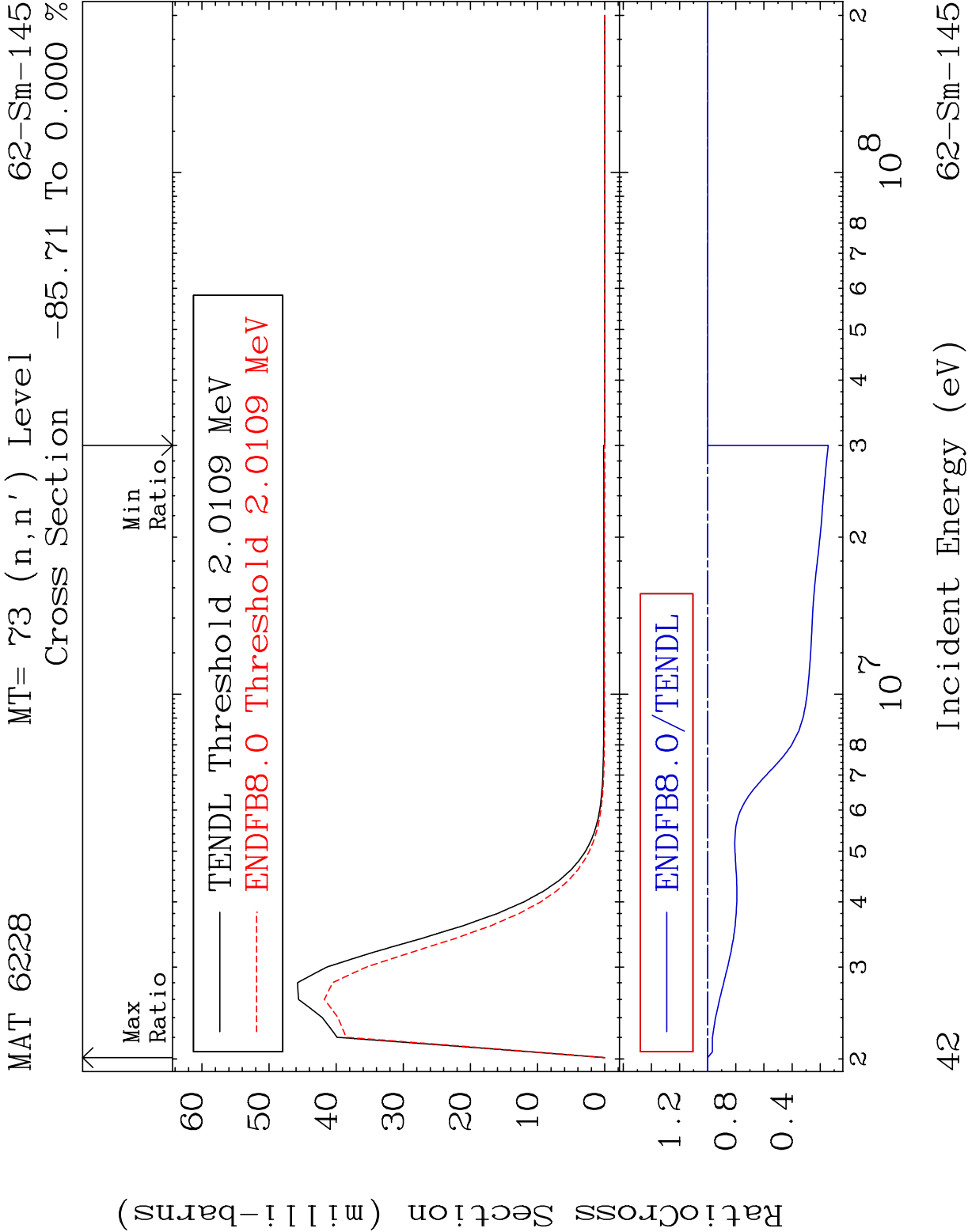




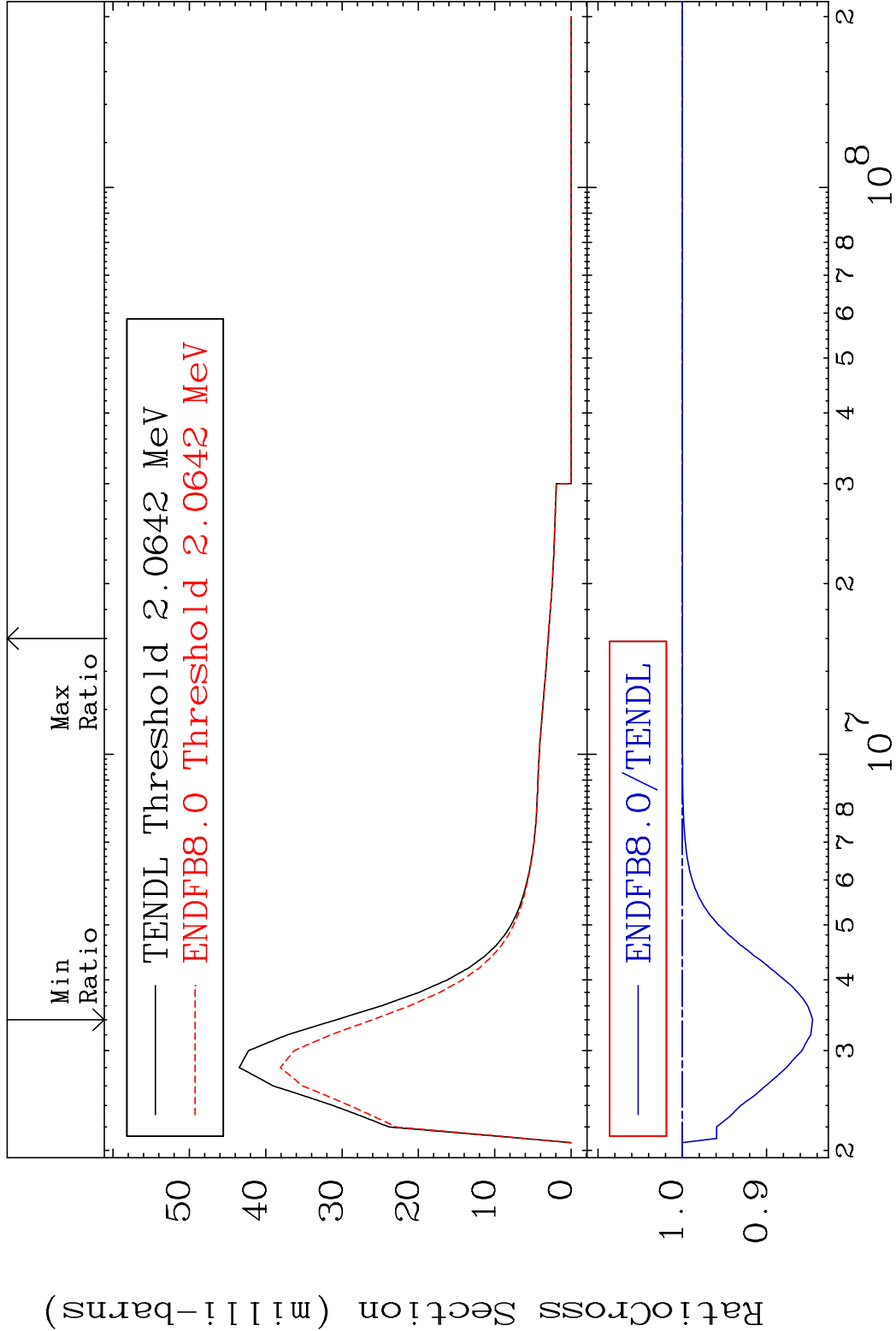


MAT 6228 MT= 72 (n,n') Level 62-Sm-145
Cross Section -8.018 To 5602. %





MAT 6228 MT= 74 (n,n') Level 62-Sm-145
Cross Section -15.45 To 0.000 %



43 Incident Energy (eV) 62-Sm-145

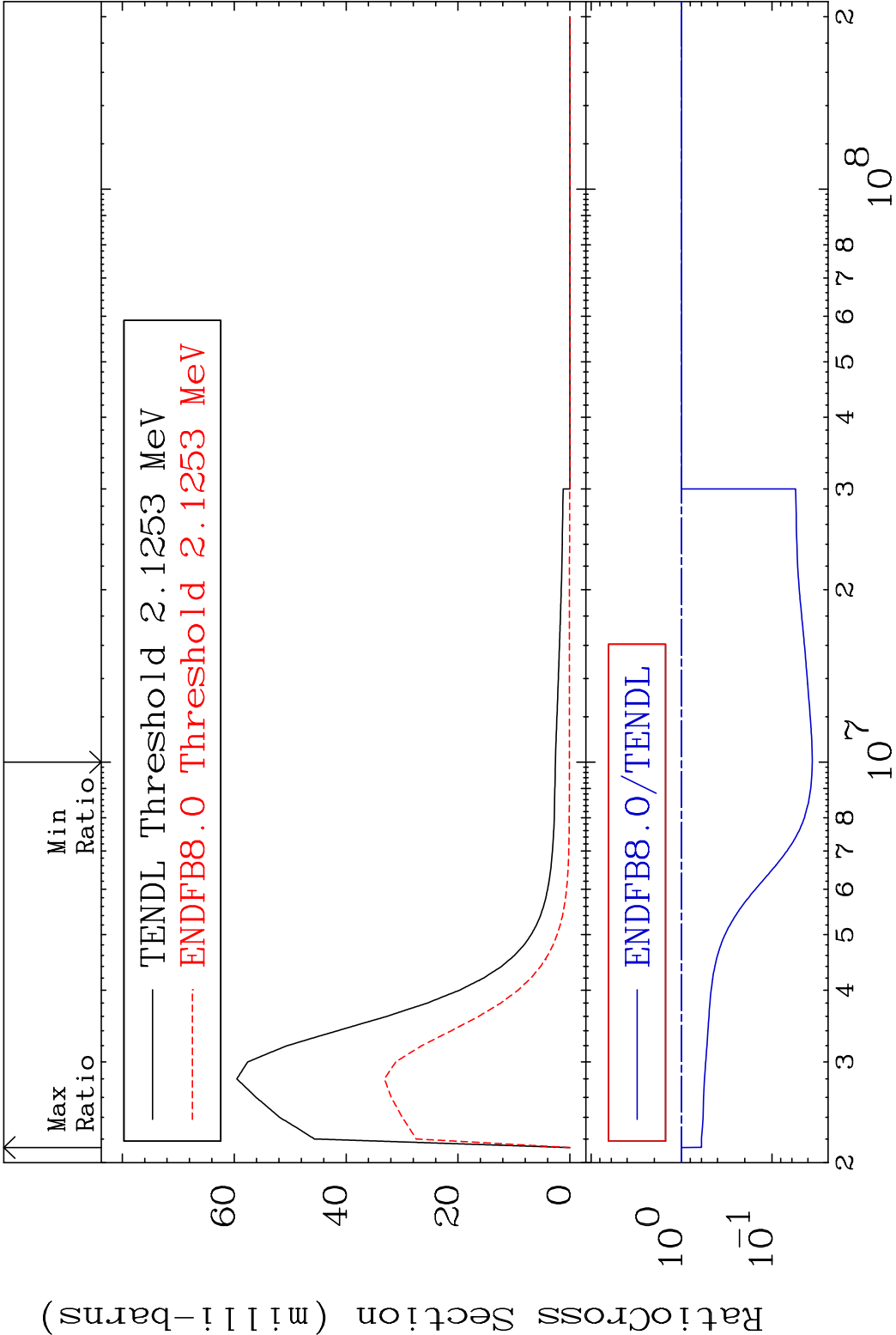
MAT 6228

MT= 75 (n,n') Level

62-Sm-145

Cross Section

-96.42 To 0.000 %

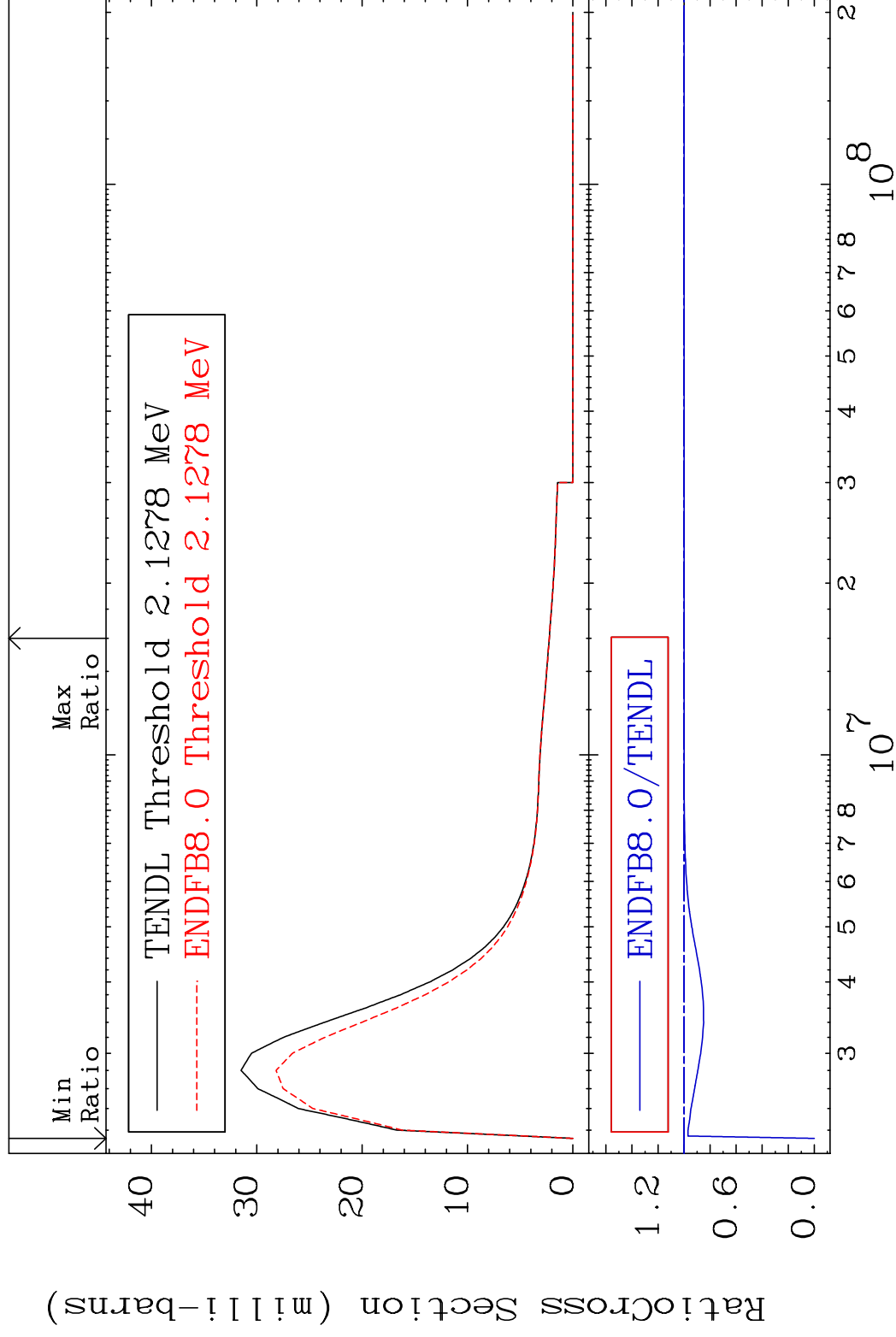


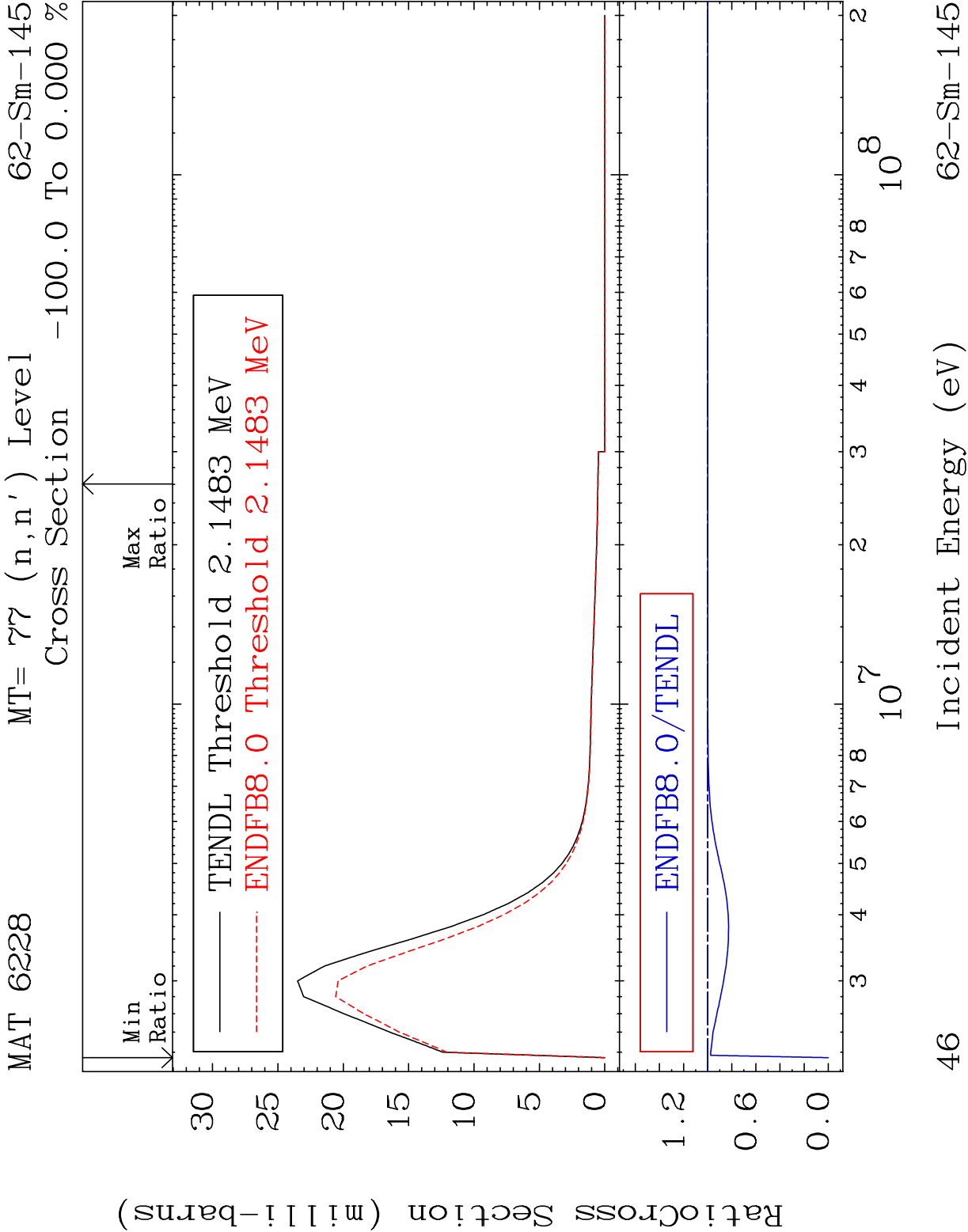
MAT 6228

MT= 76 (n, n') Level

62-Sm-145

Cross Section	-100.0 To 0.000 %





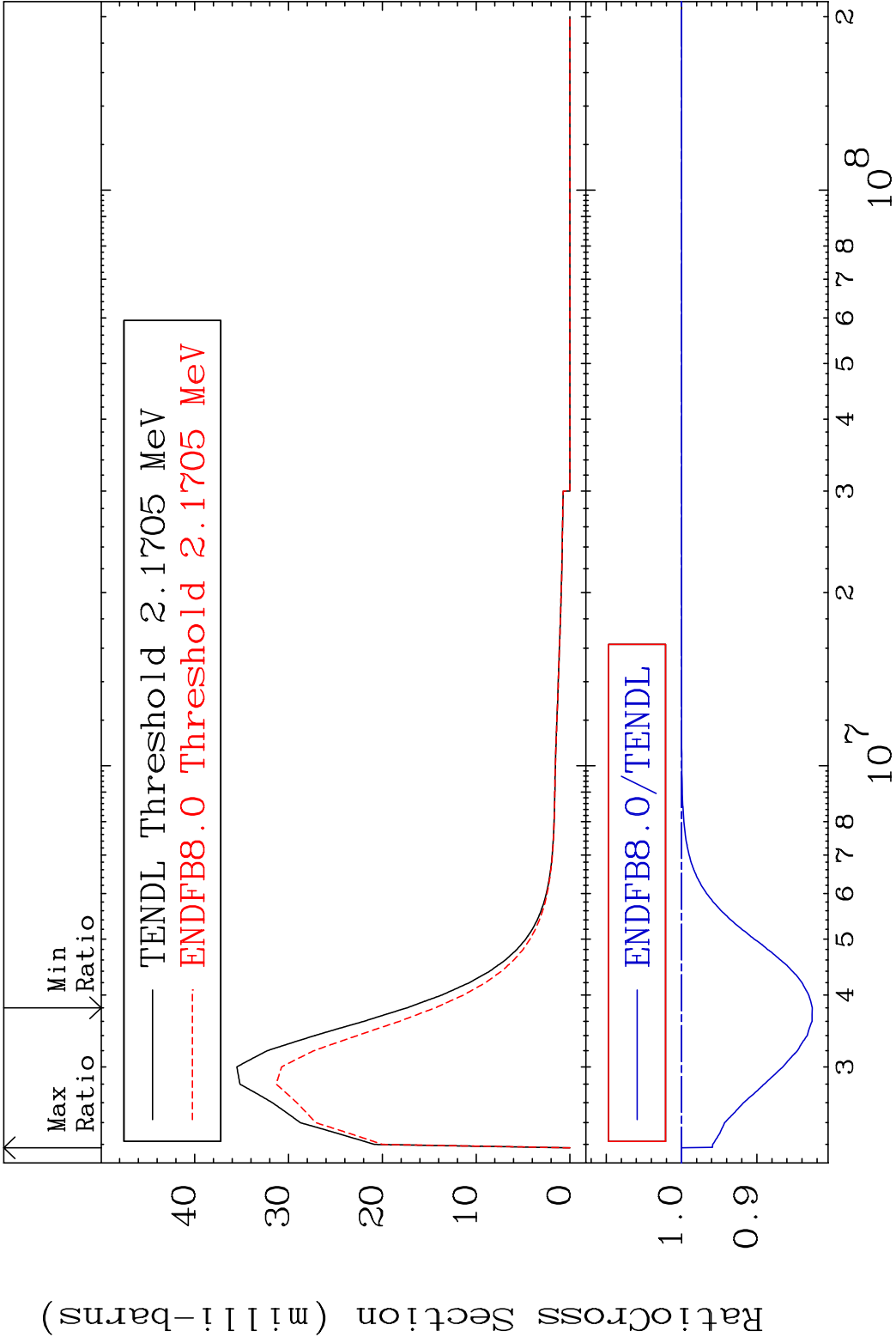
MAT 6228

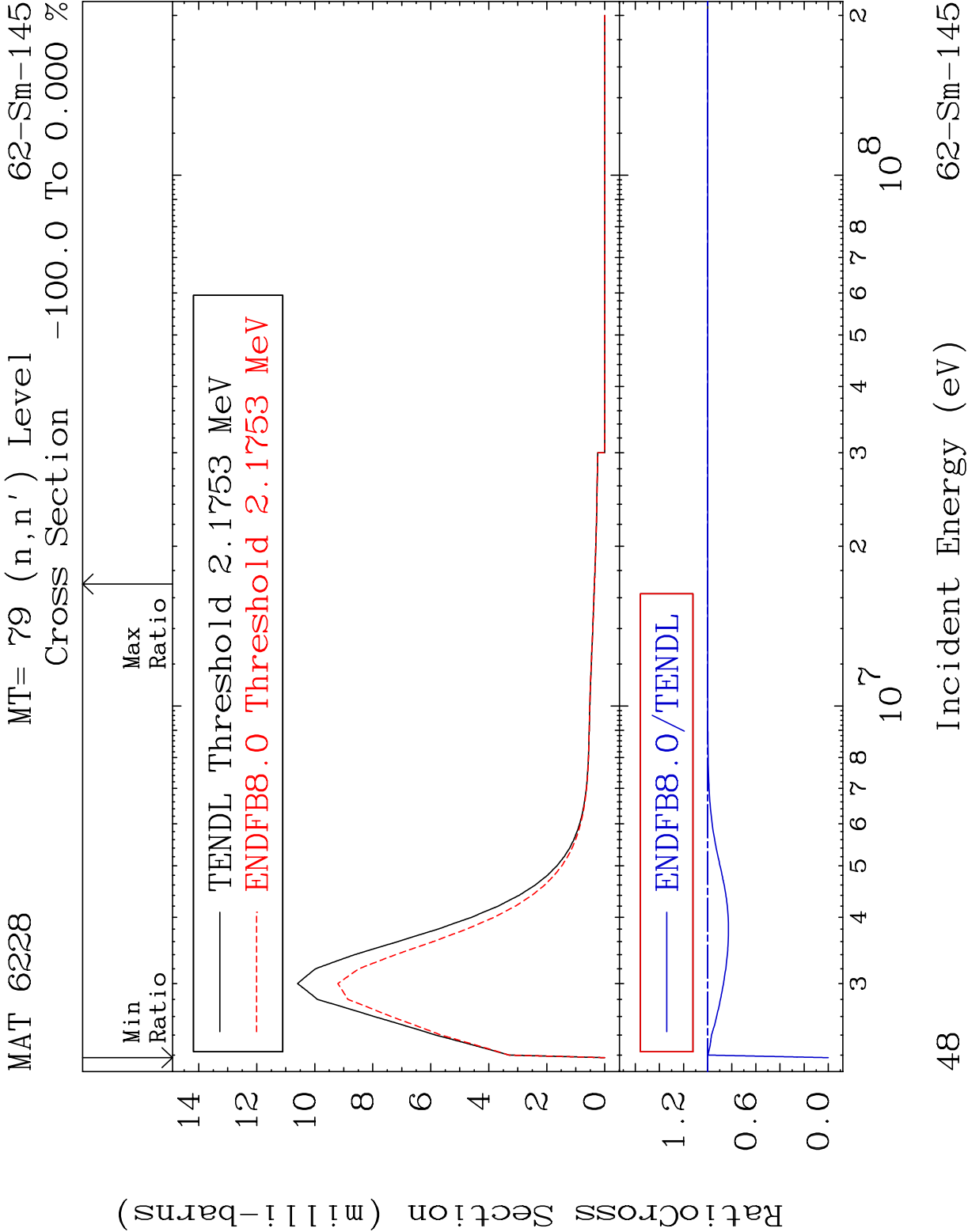
MT= 78 (n,n') Level

62-Sm-145

Cross Section

-17.36 To 0.000 %





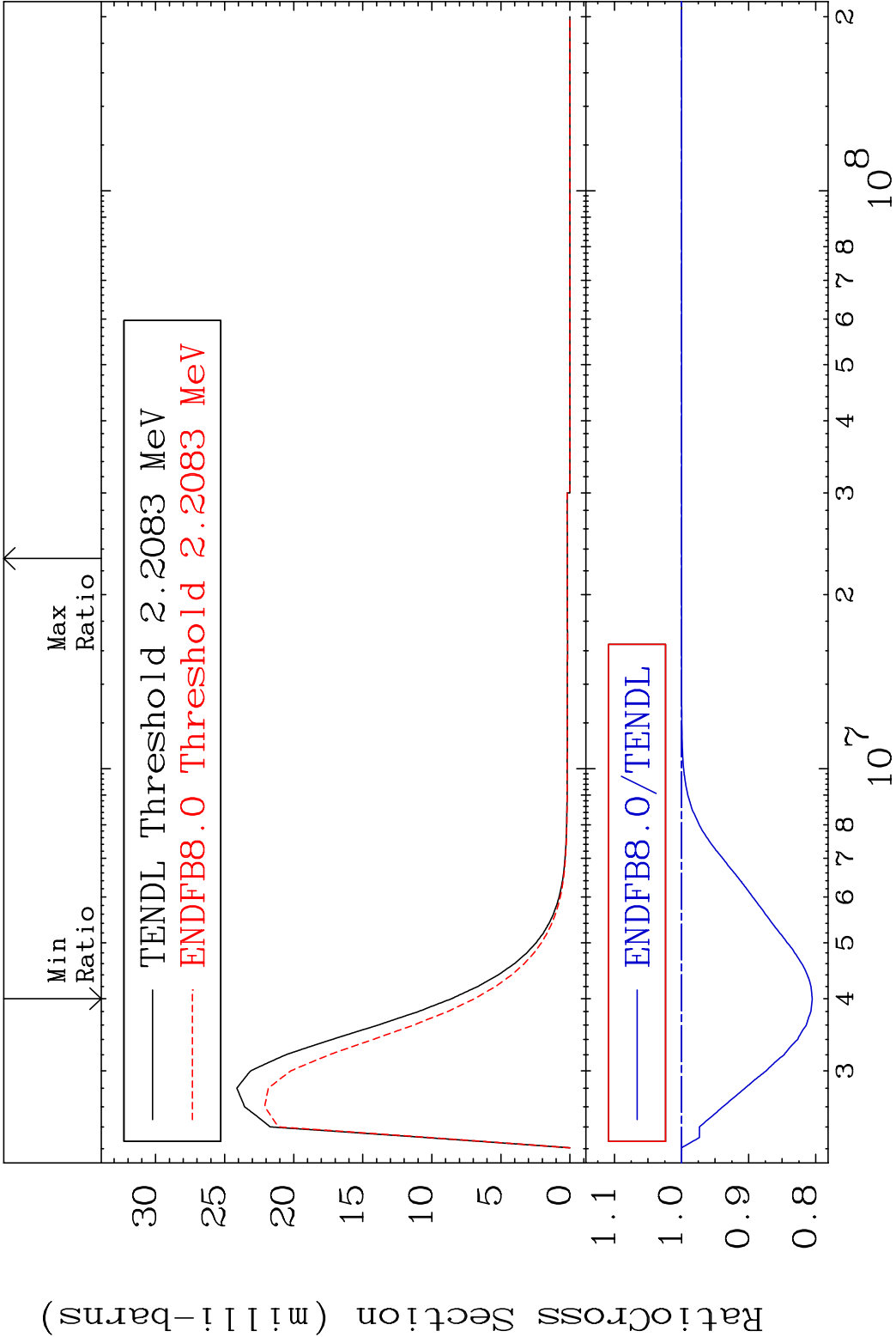
MAT 6228

MT= 80 (n,n') Level

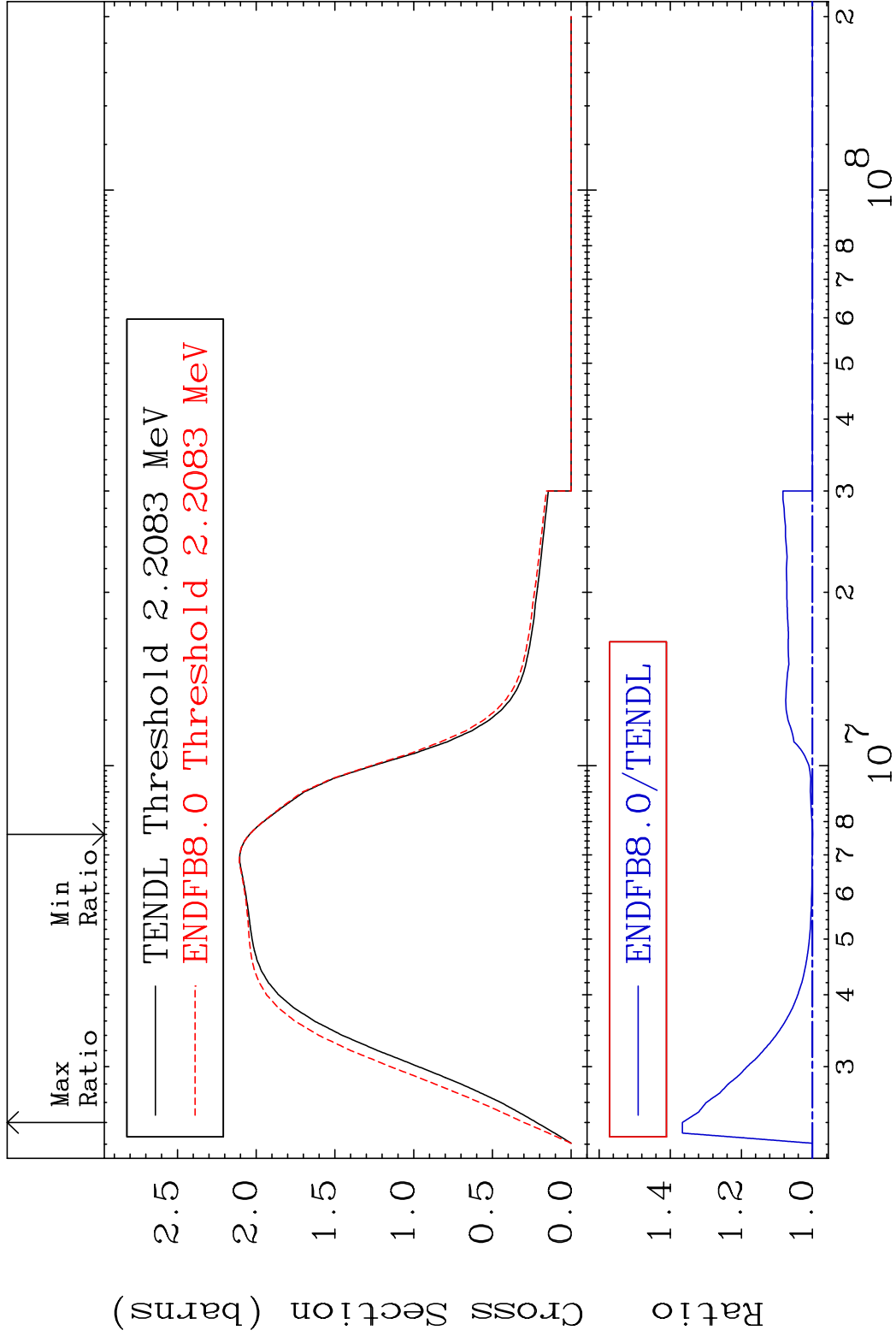
62-Sm-145

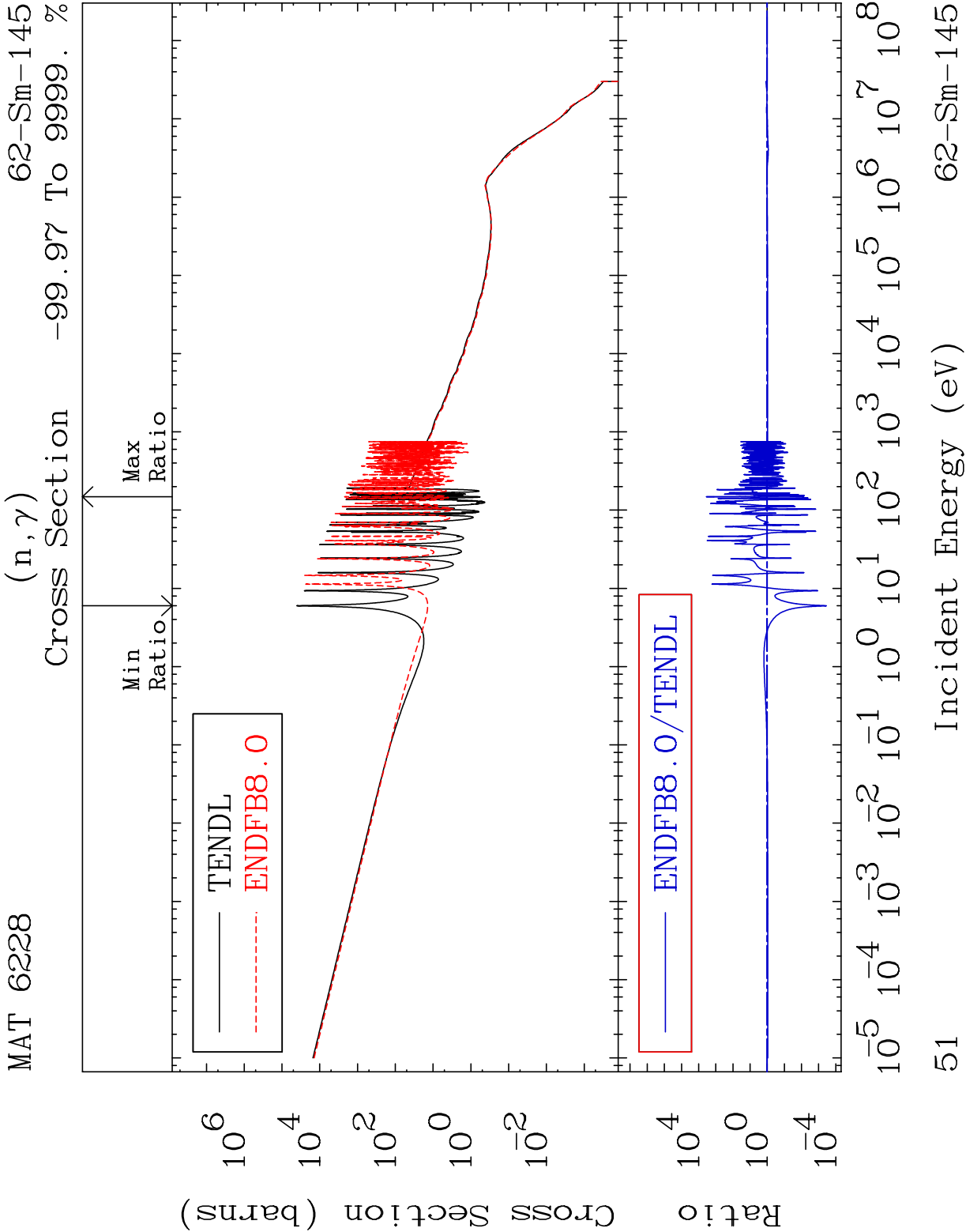
Cross Section

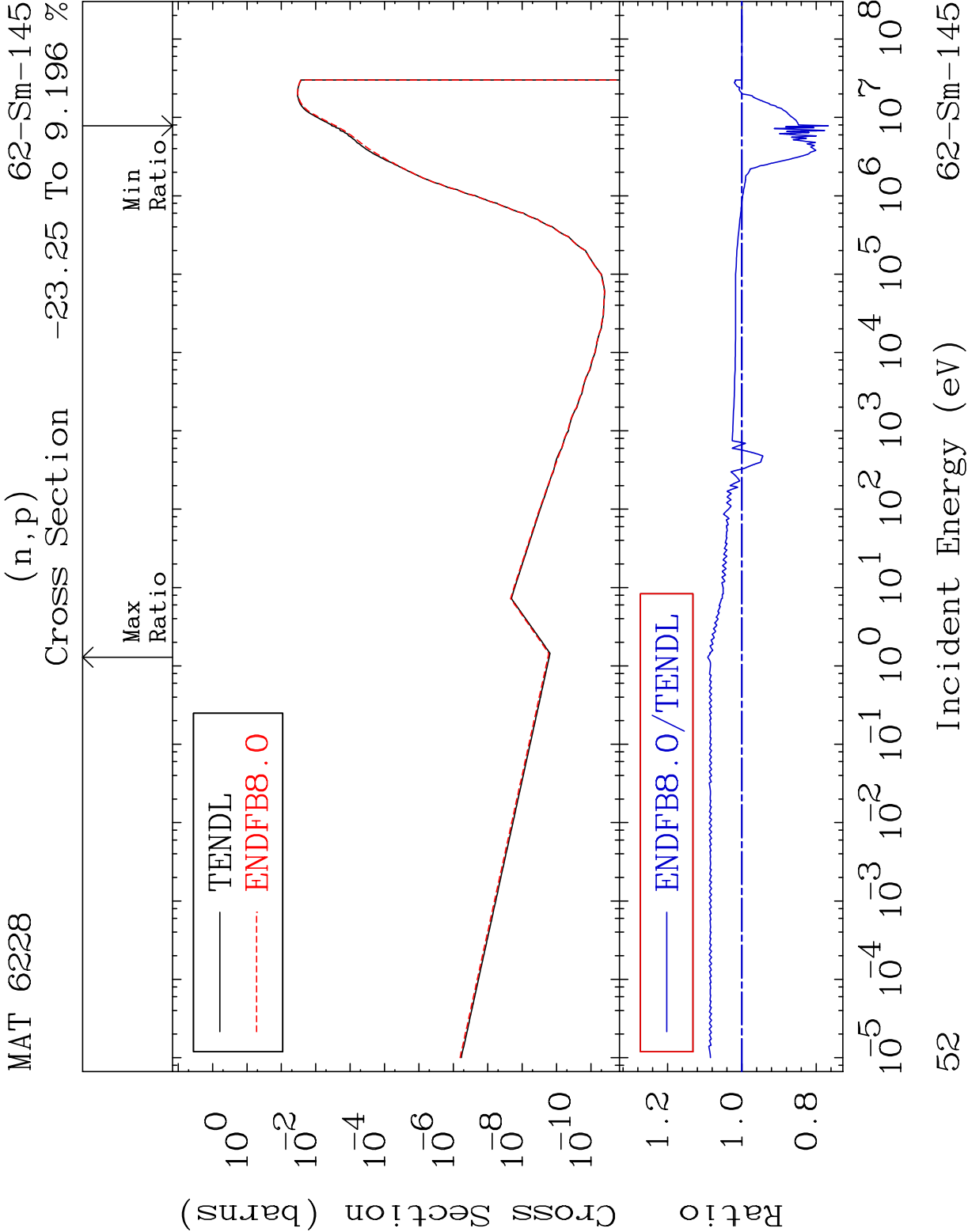
-19.48 To 0.000 %

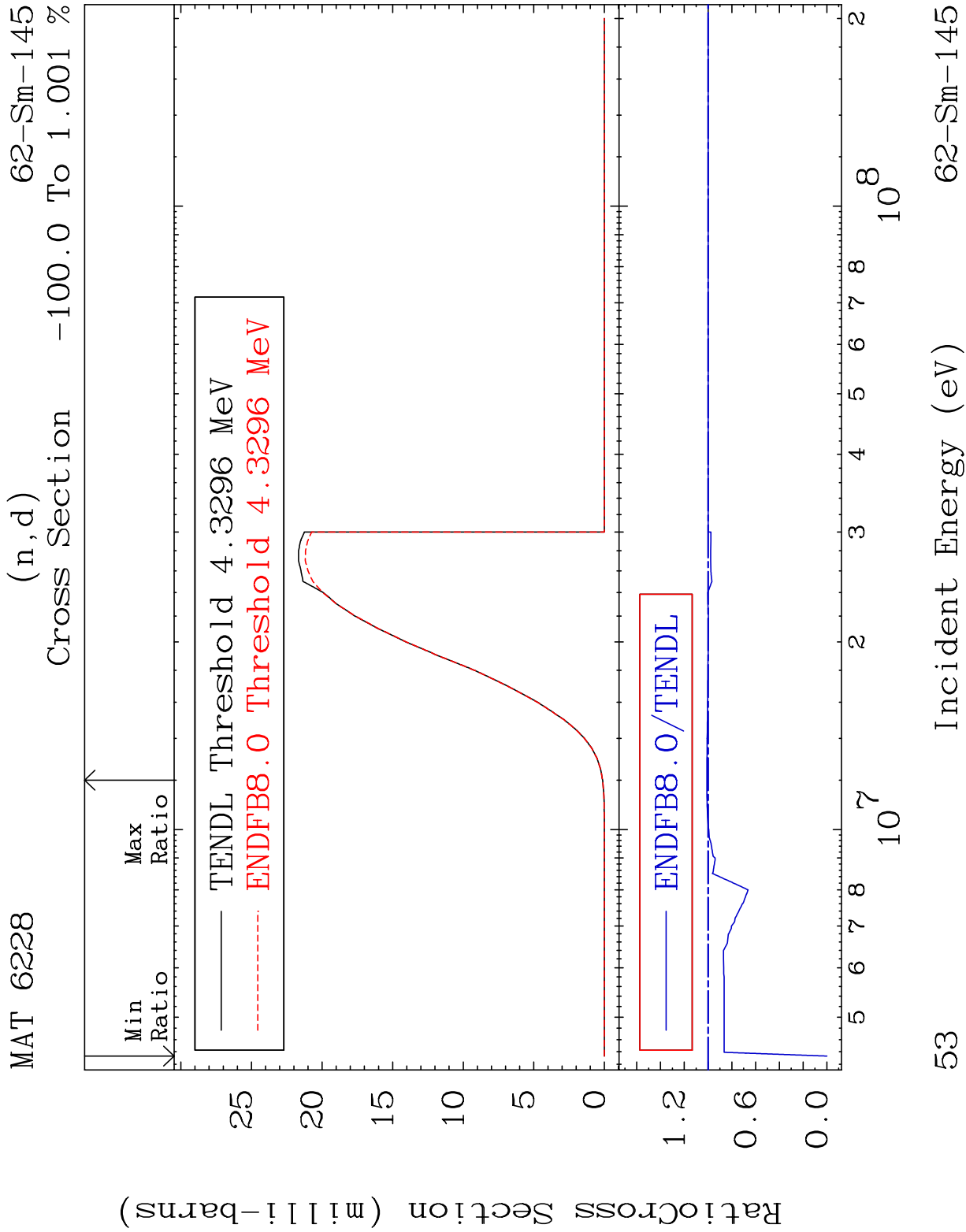


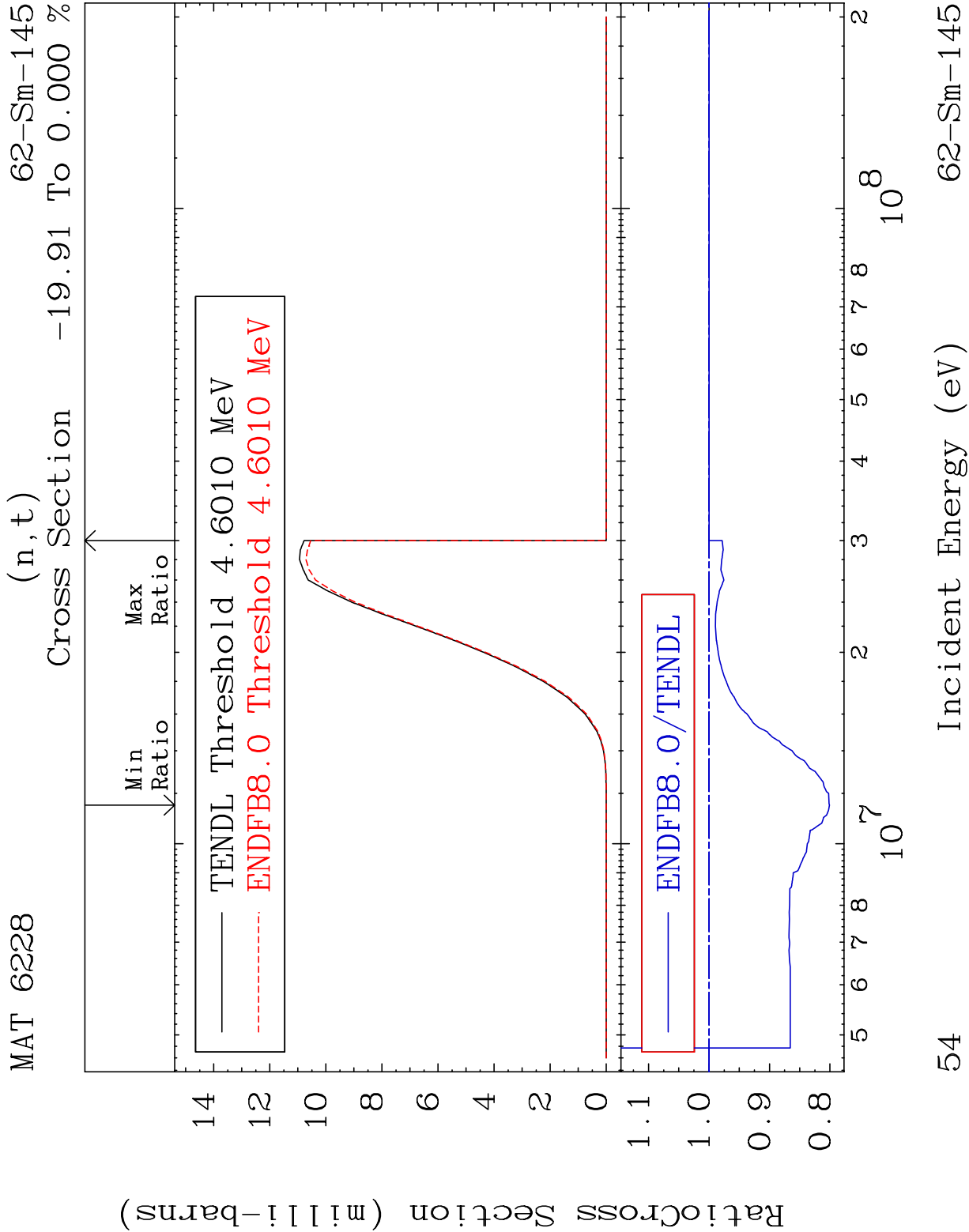
MAT 6228 (n,n') Continuum 62-Sm-145
Cross Section -0.022 To 36.59 %

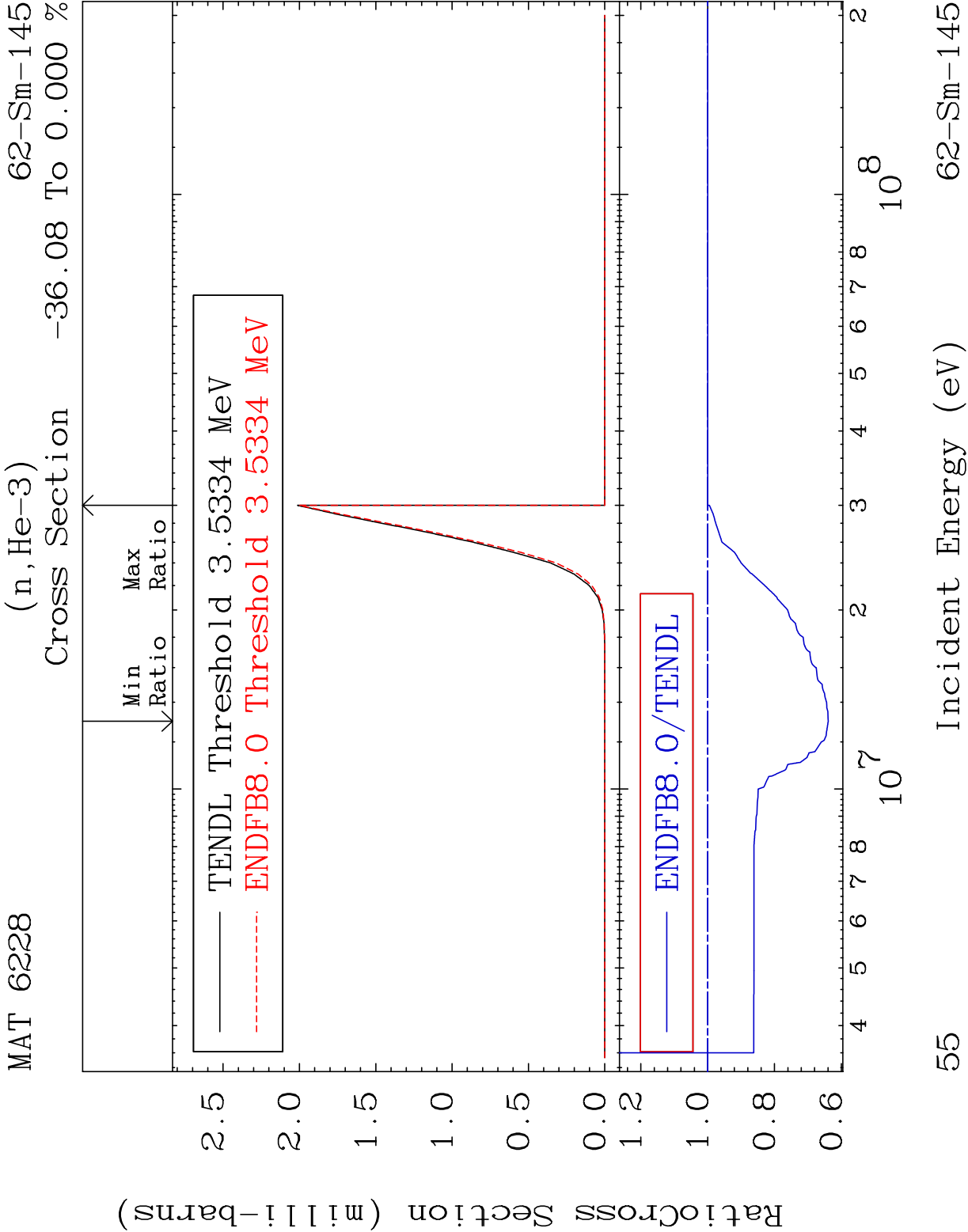


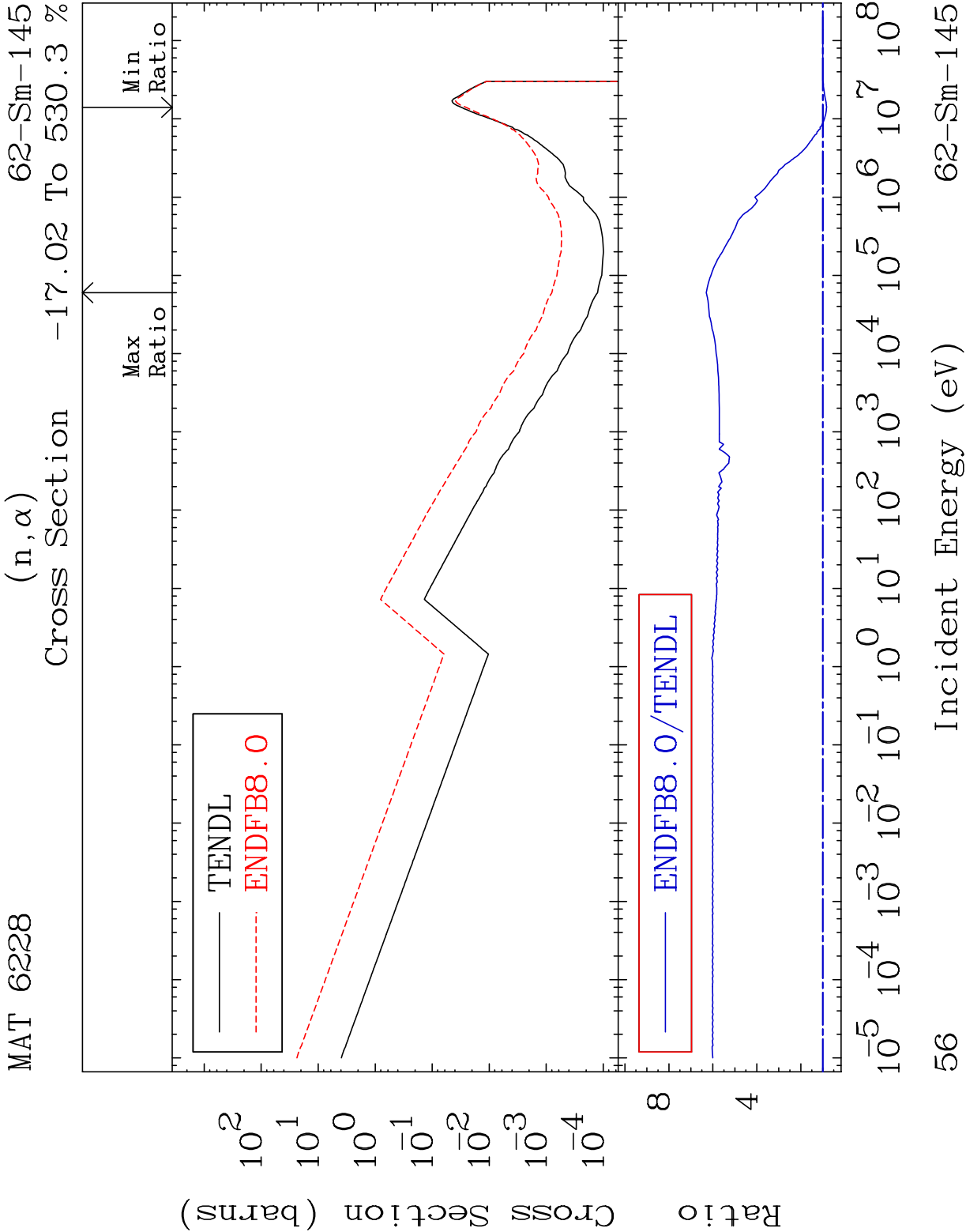


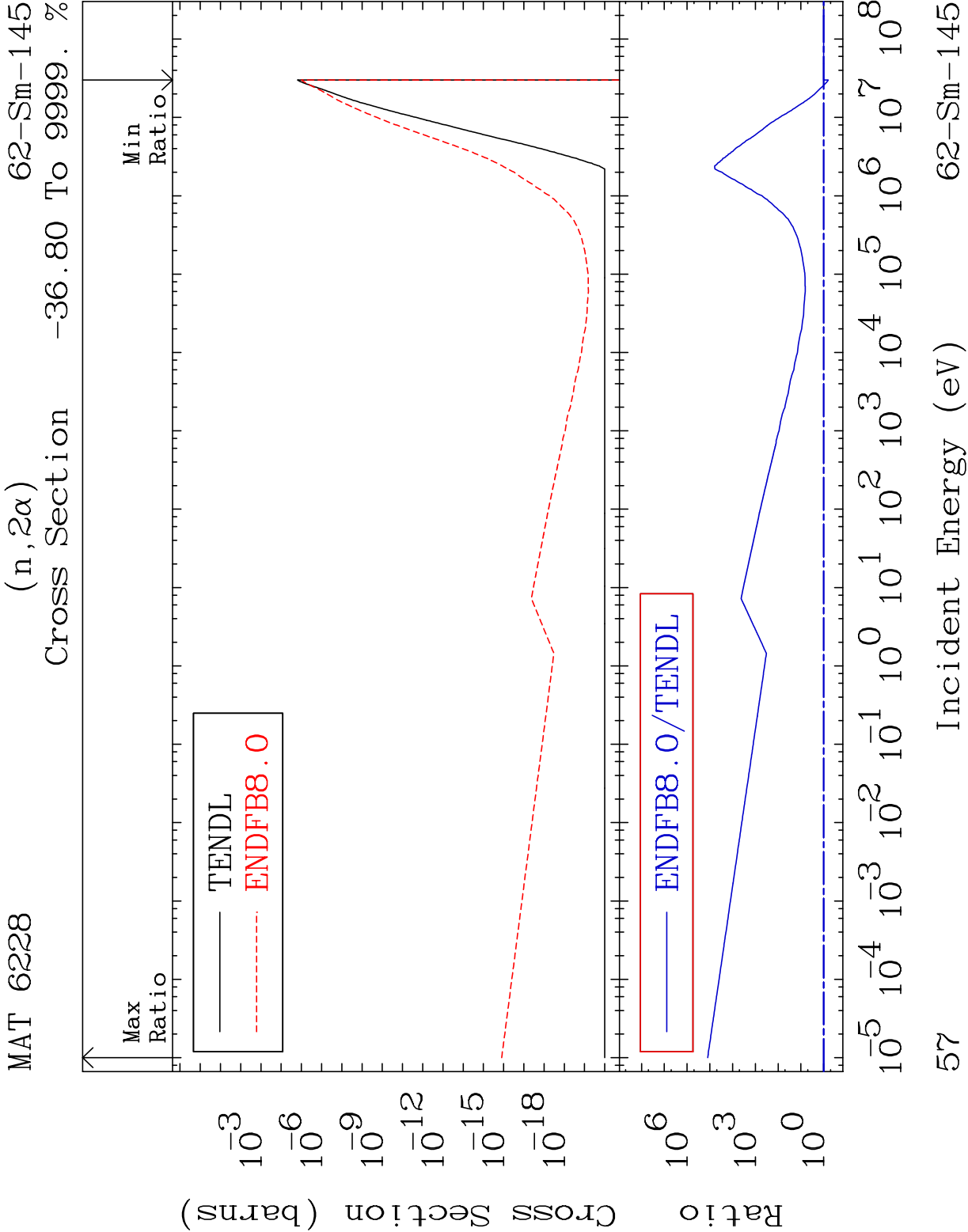


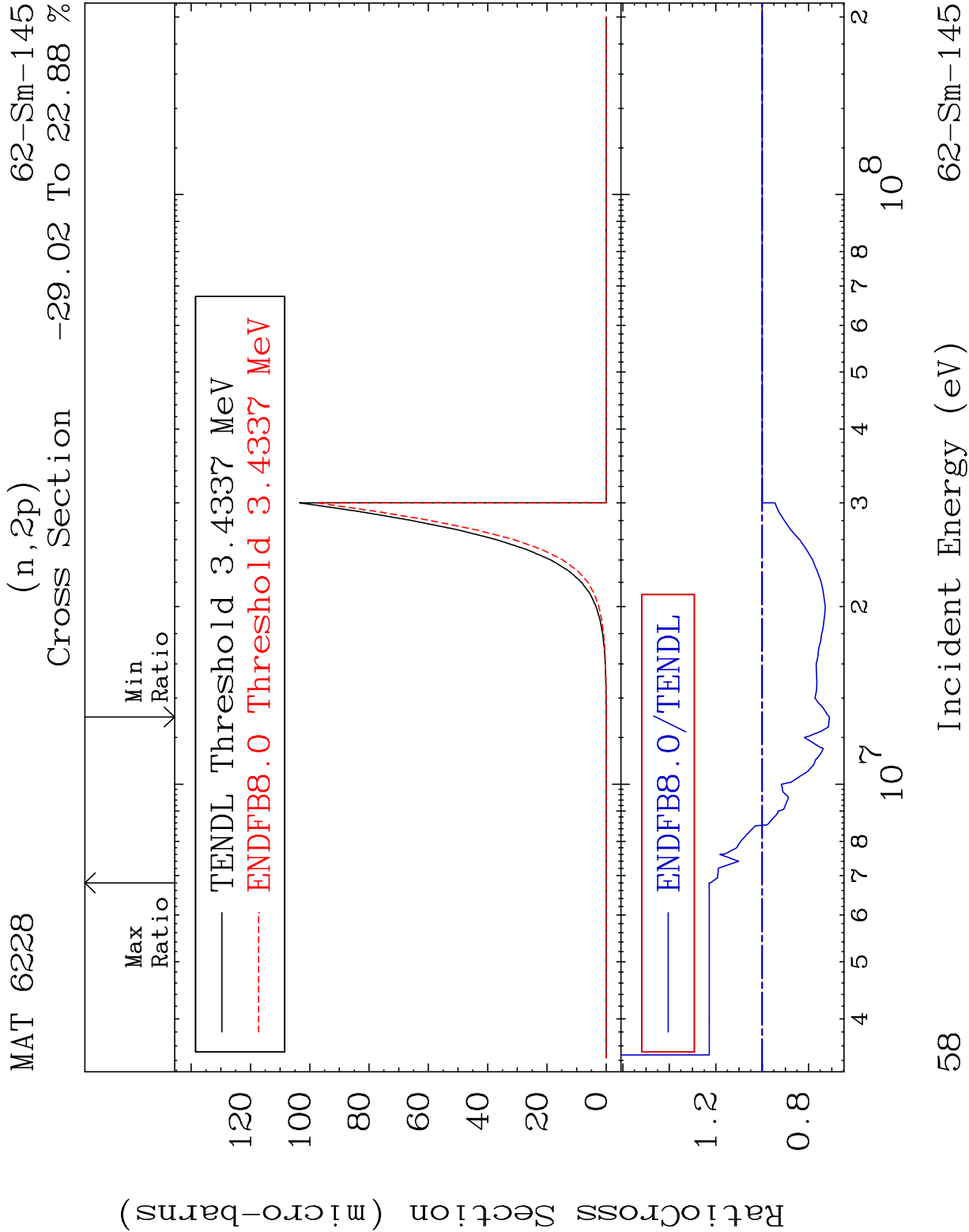




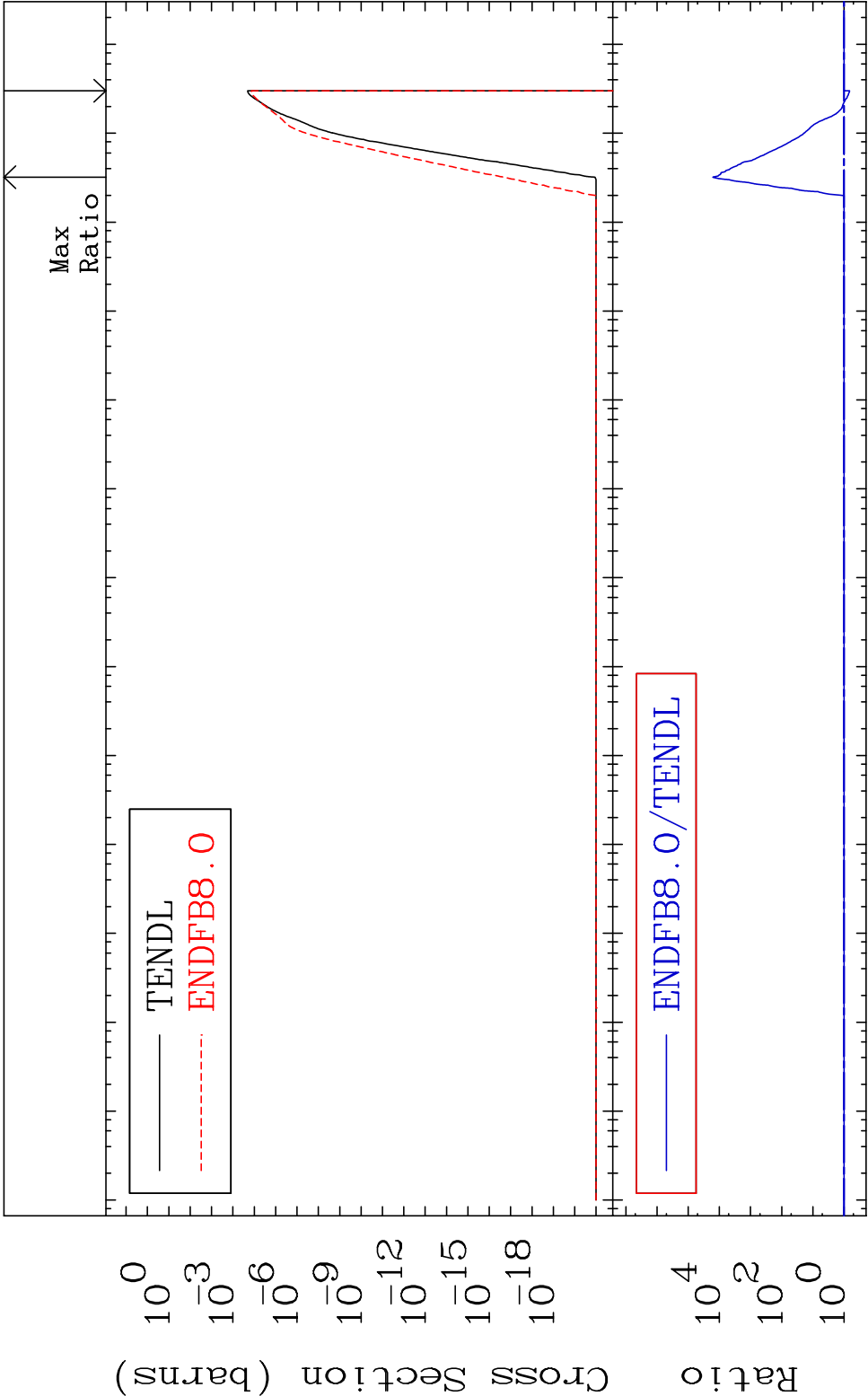




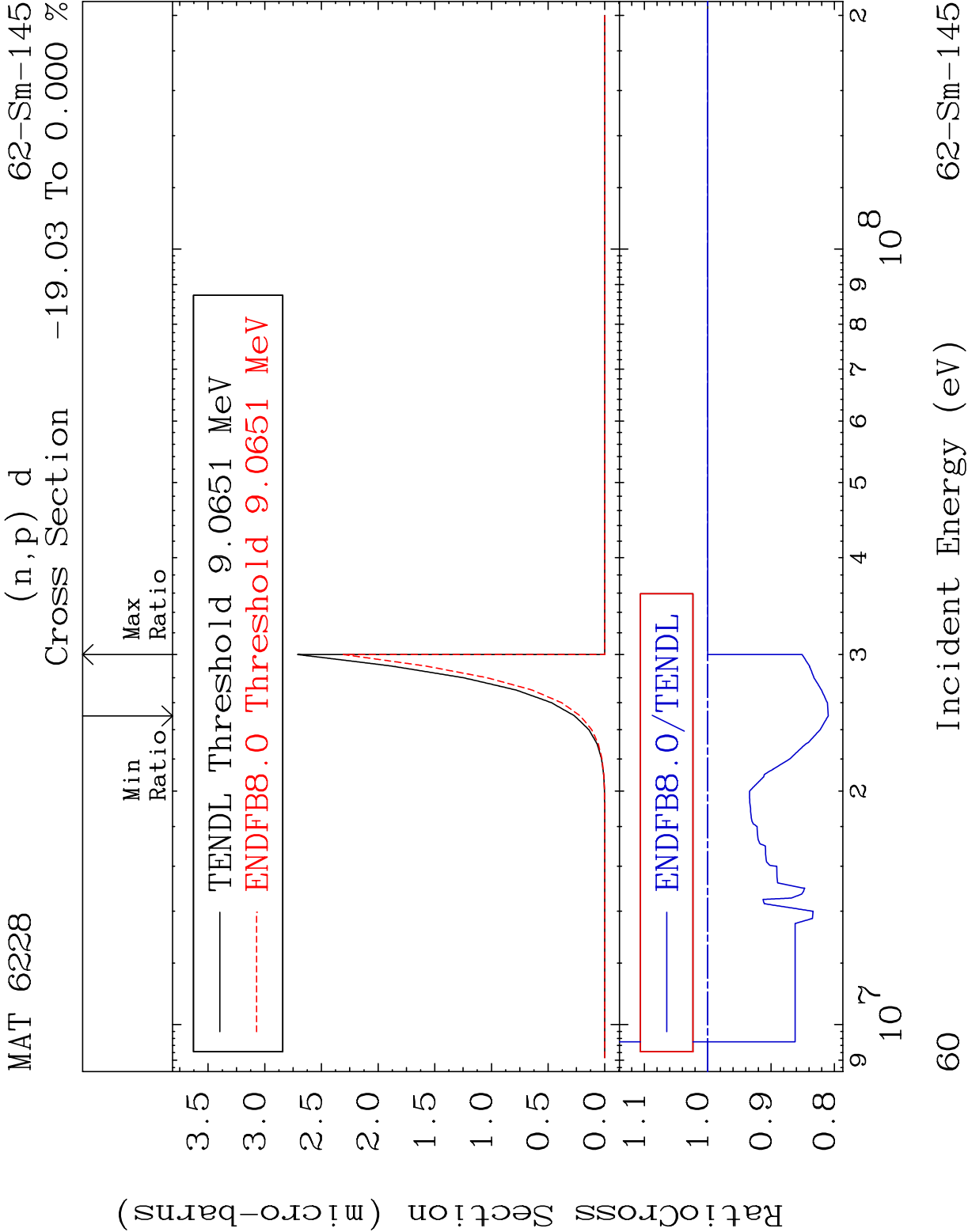


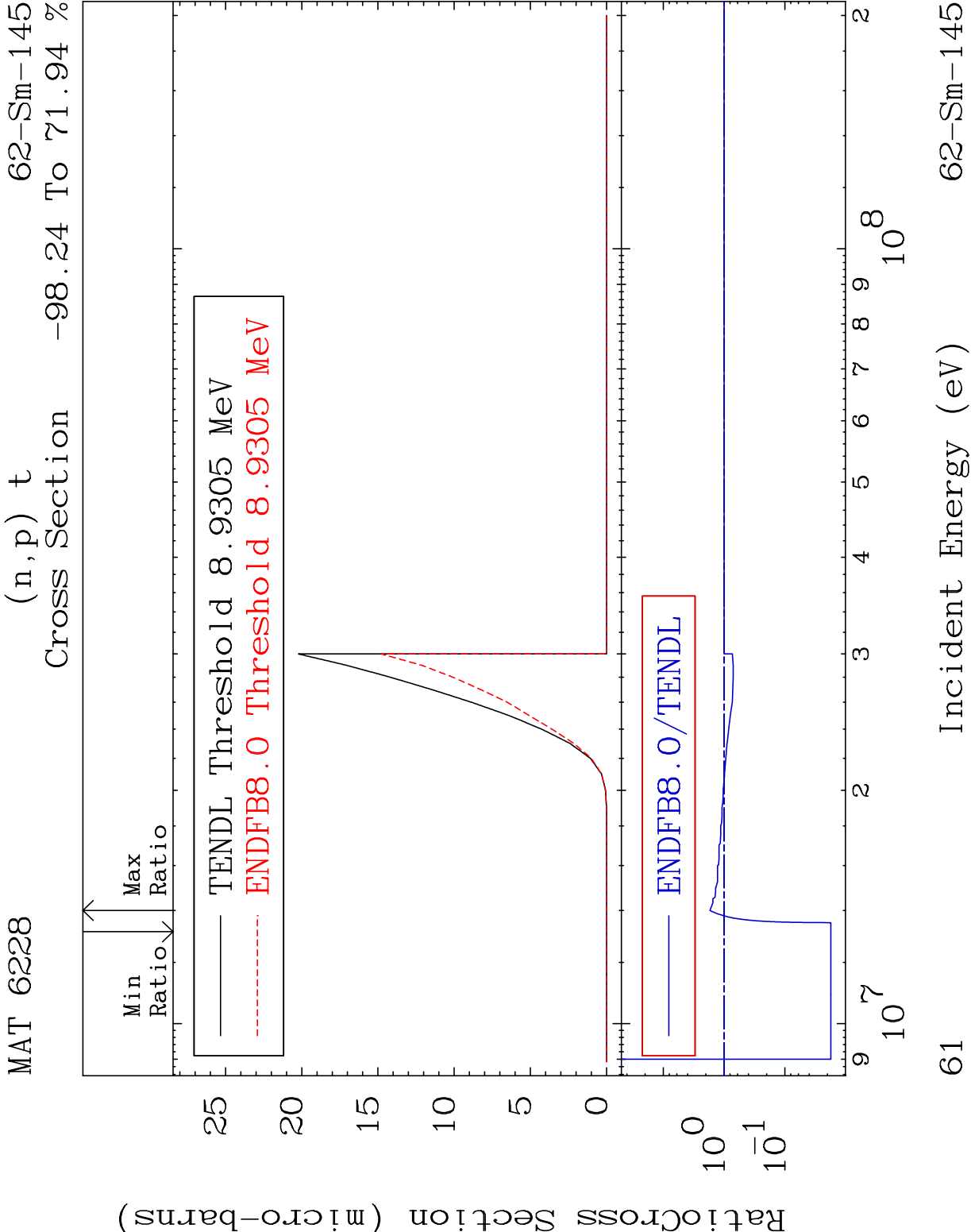


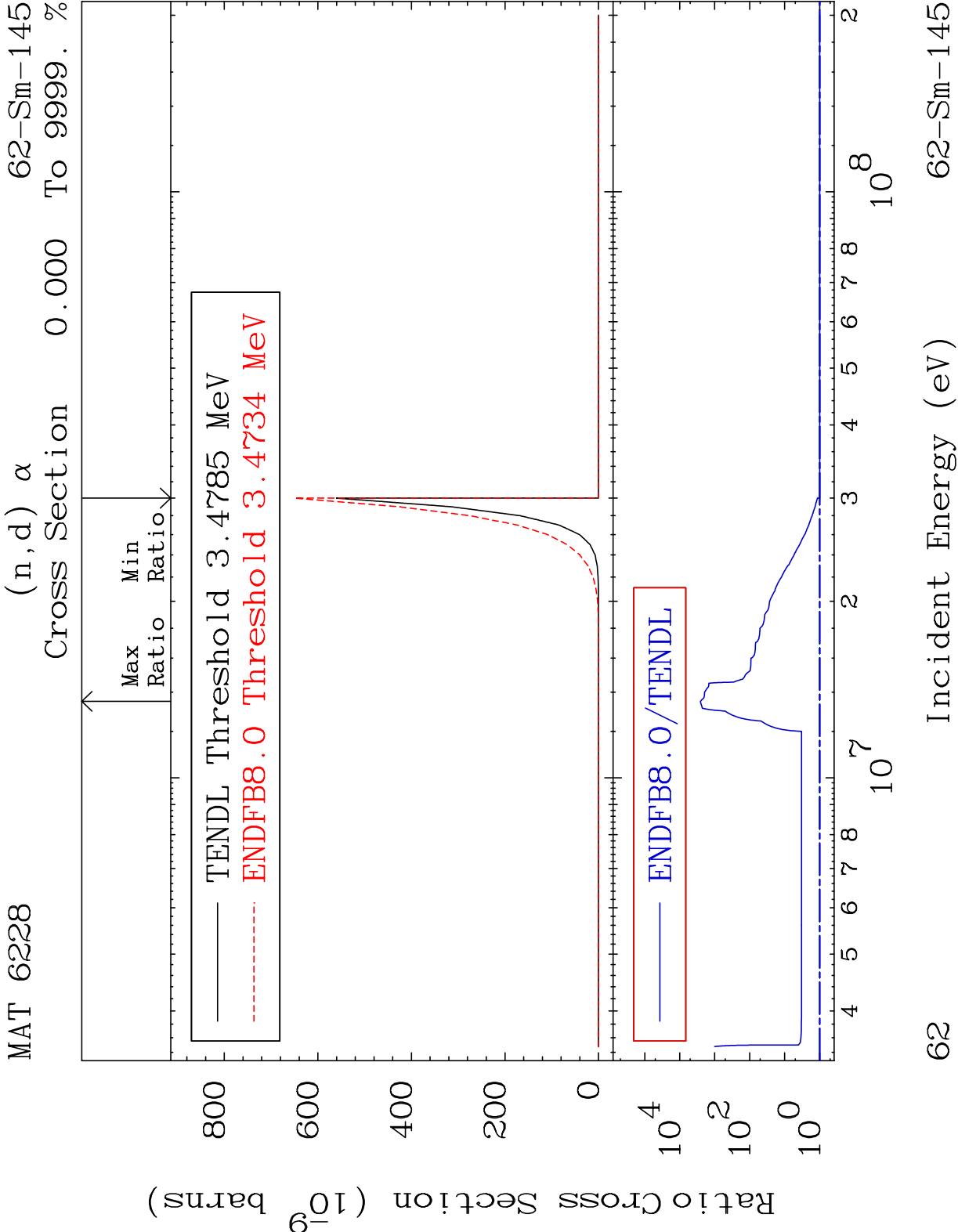
MAT 6228 (n,p) α 62-Sm-145
Cross Section -33.20 To 9999. %



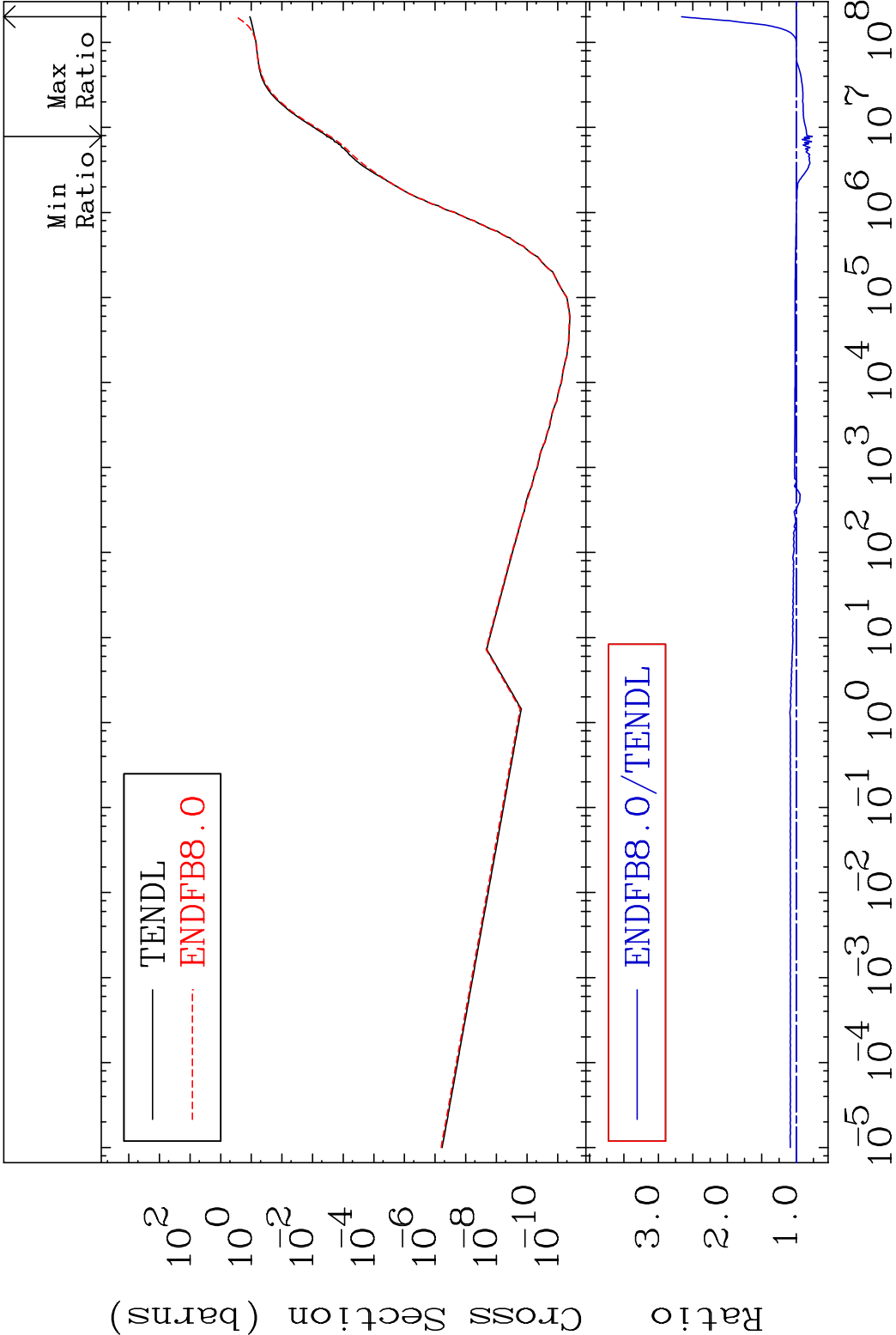
59 Incident Energy (eV) 62-Sm-145



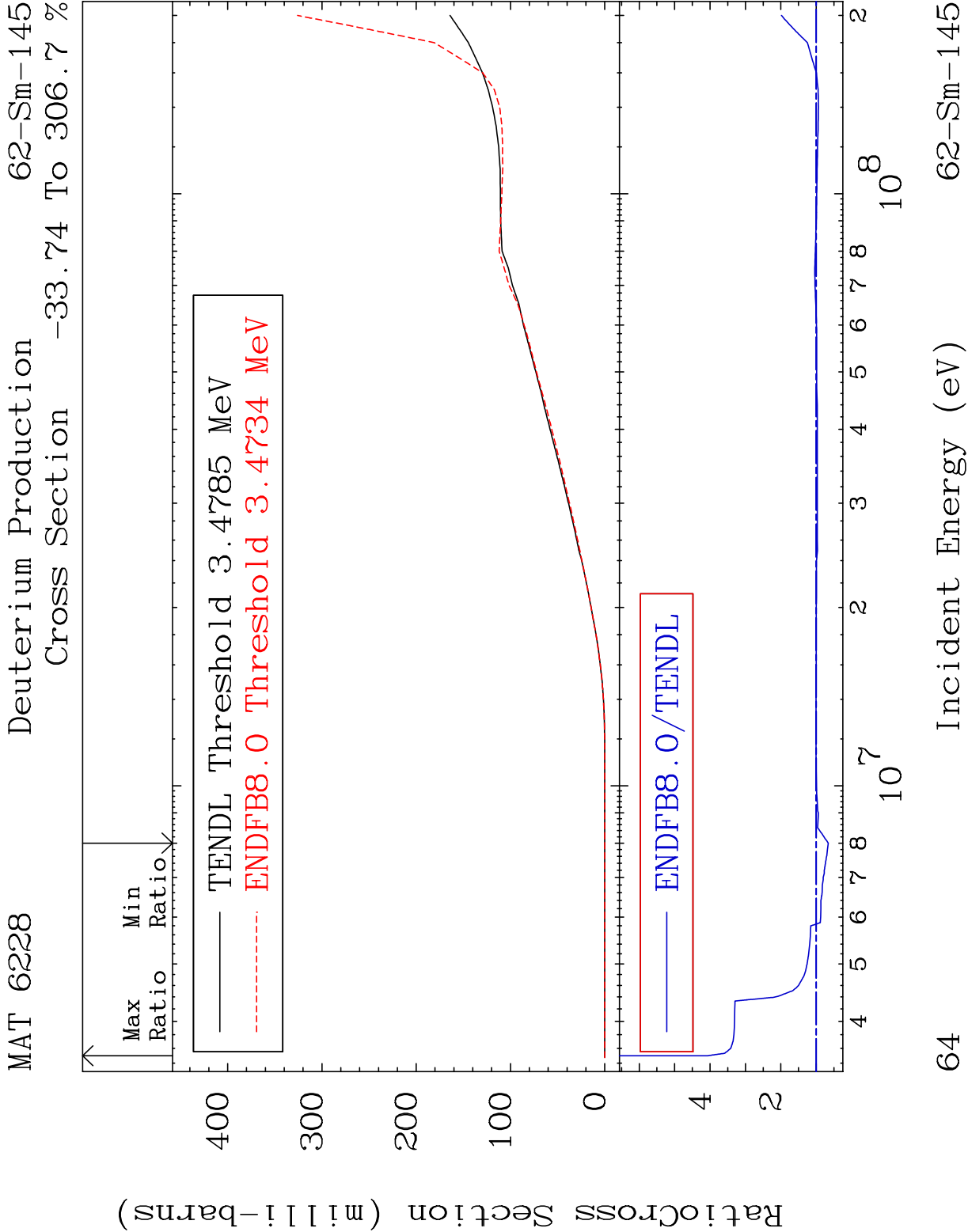




MAT 6228 Hydrogen Production 62-Sm-145
Cross Section -23.25 To 166.4 %



63 Incident Energy (eV) 62-Sm-145

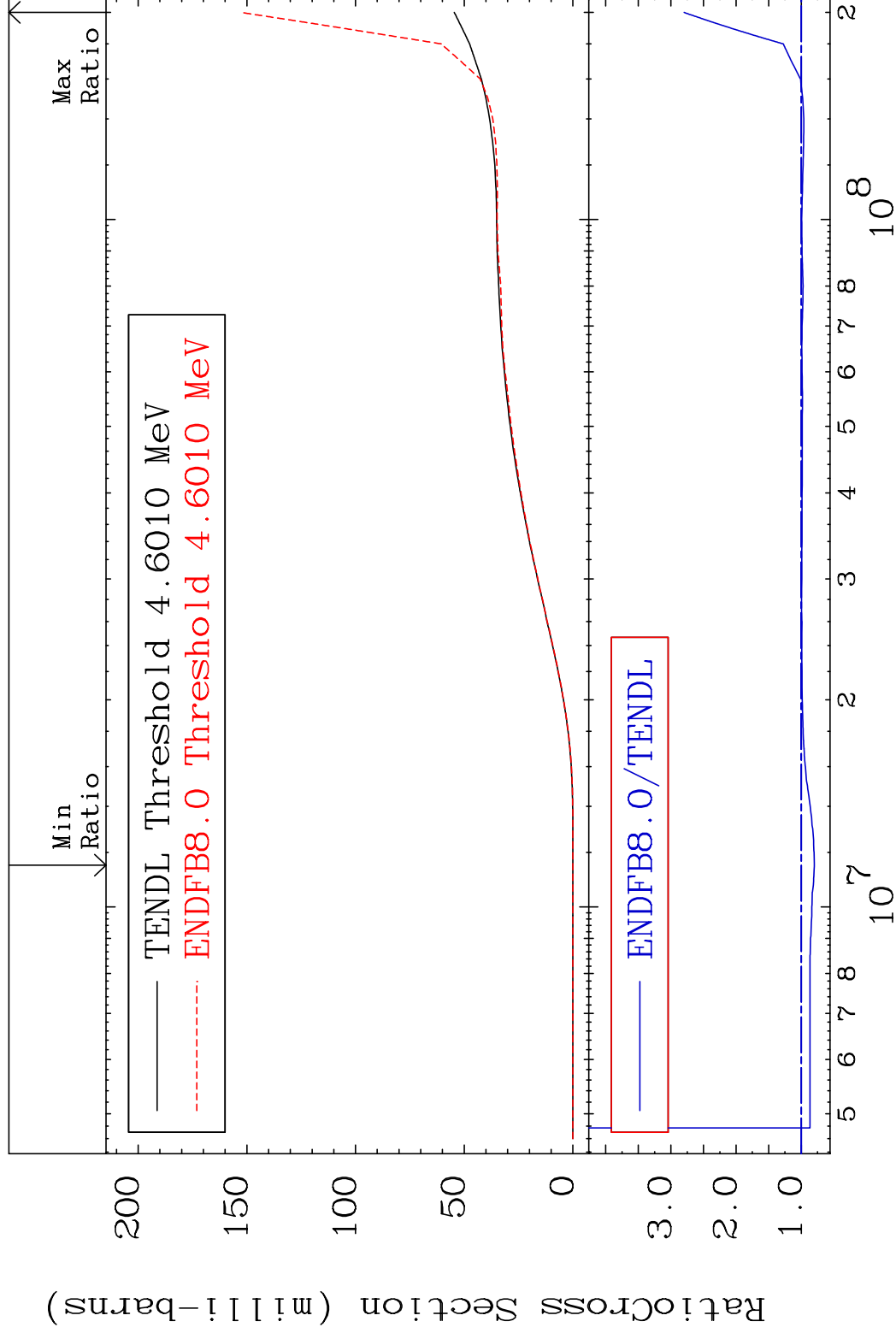


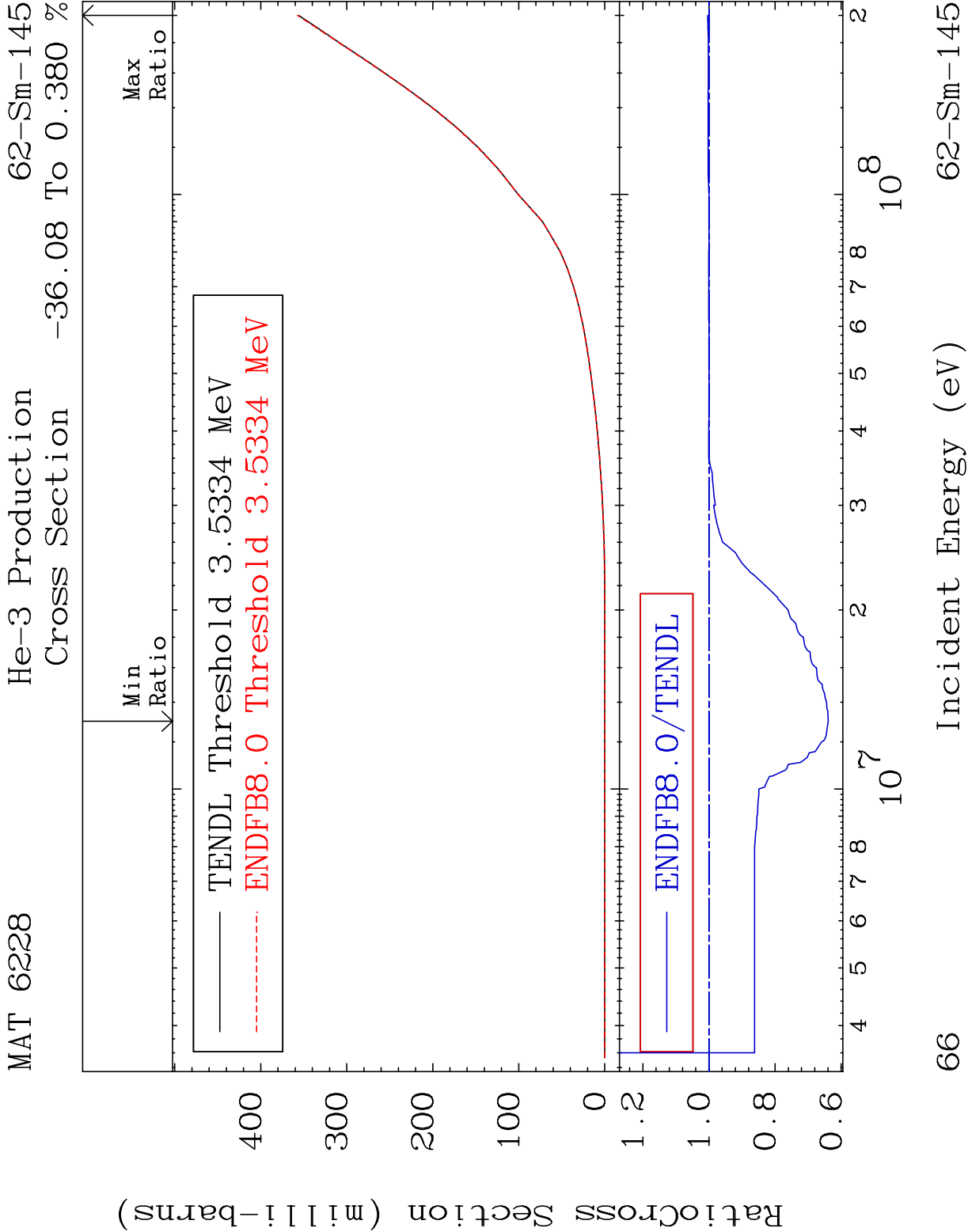
MAT 6228

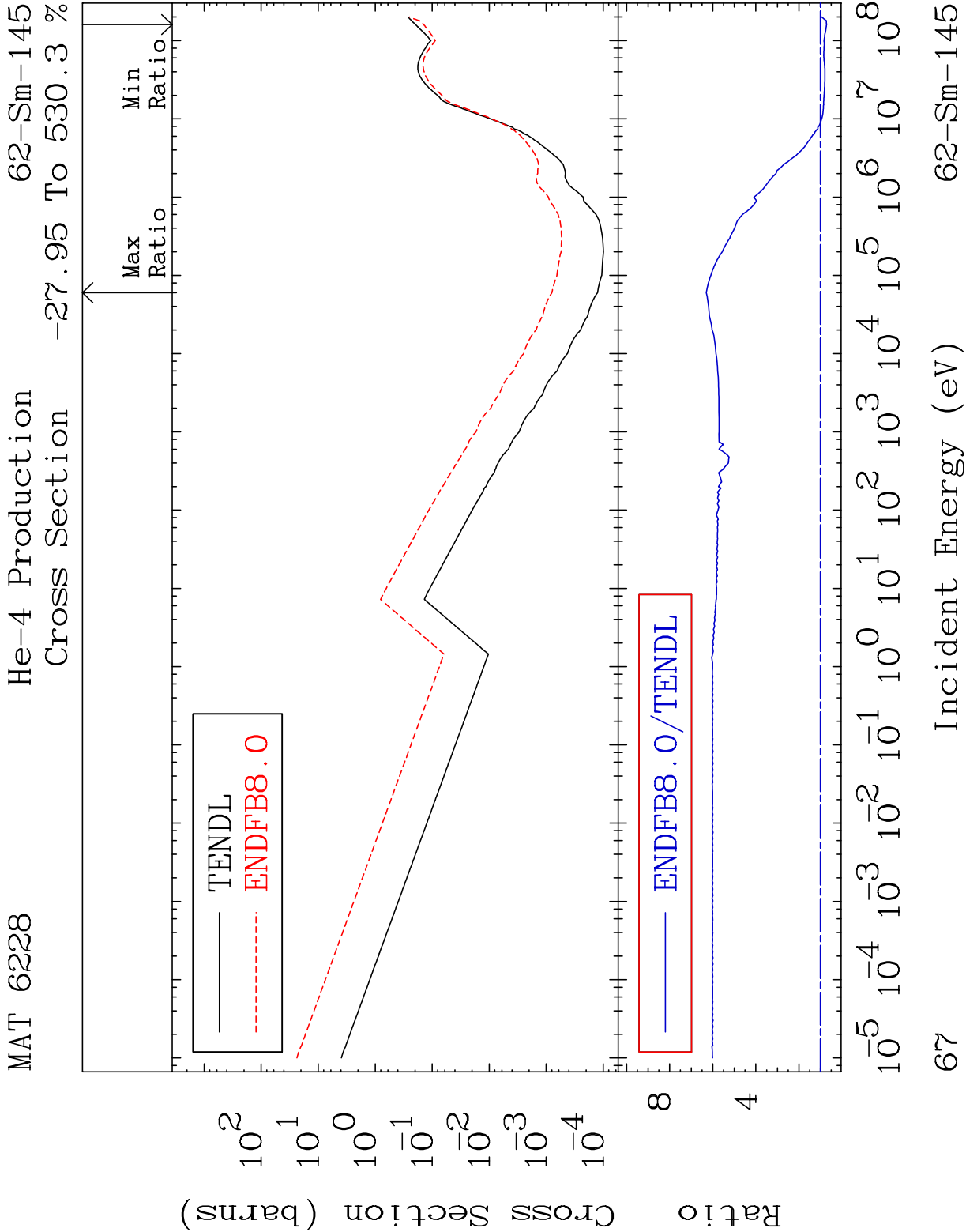
Tritium Production

62-Sm-145

Cross Section -19.91 To 179.8 %







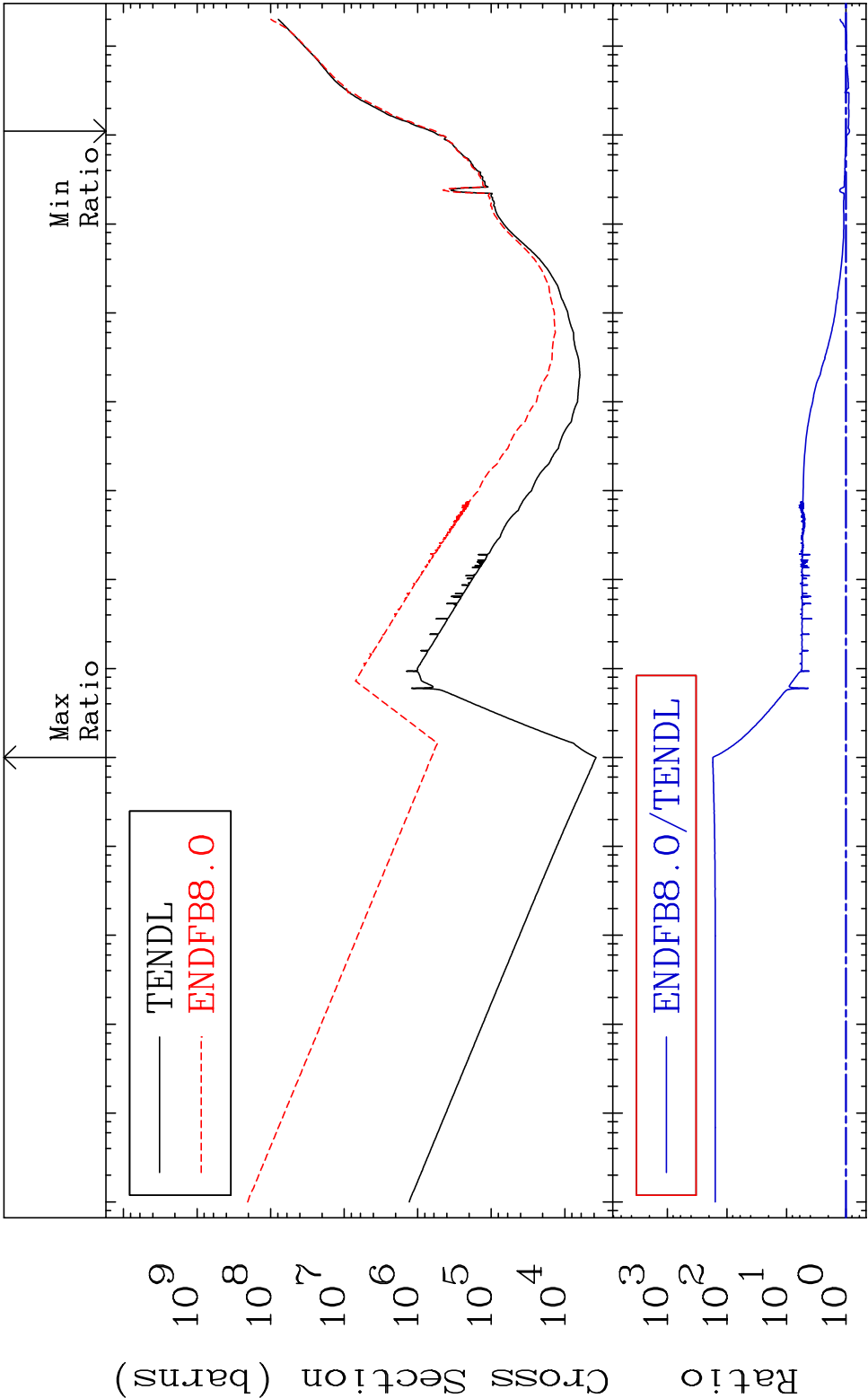
MAT 6228

Kerma total (eV-barns)

62-Sm-145

Cross Section

-12.39 To 9999. %



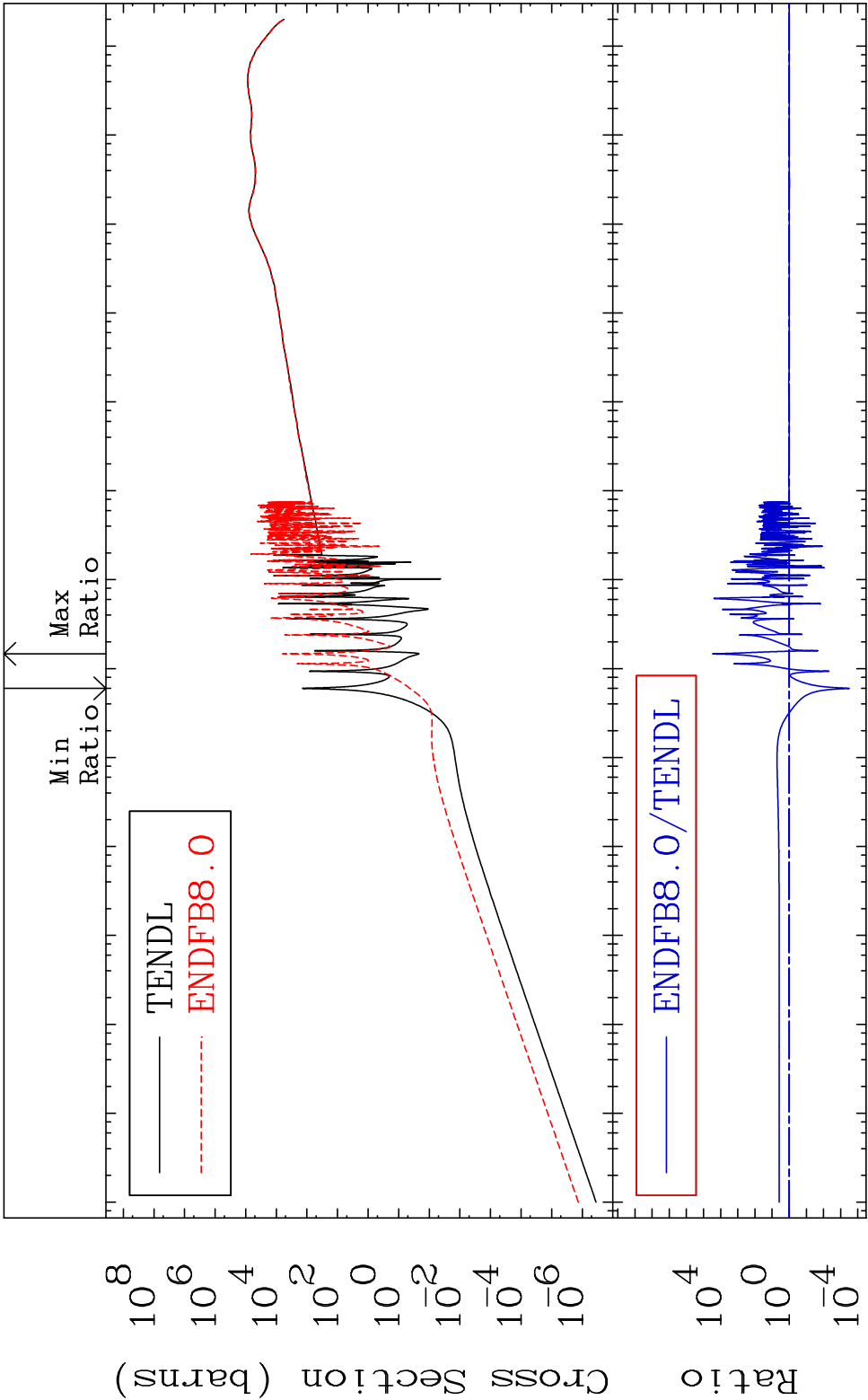
MAT 6228

Kerma elastic

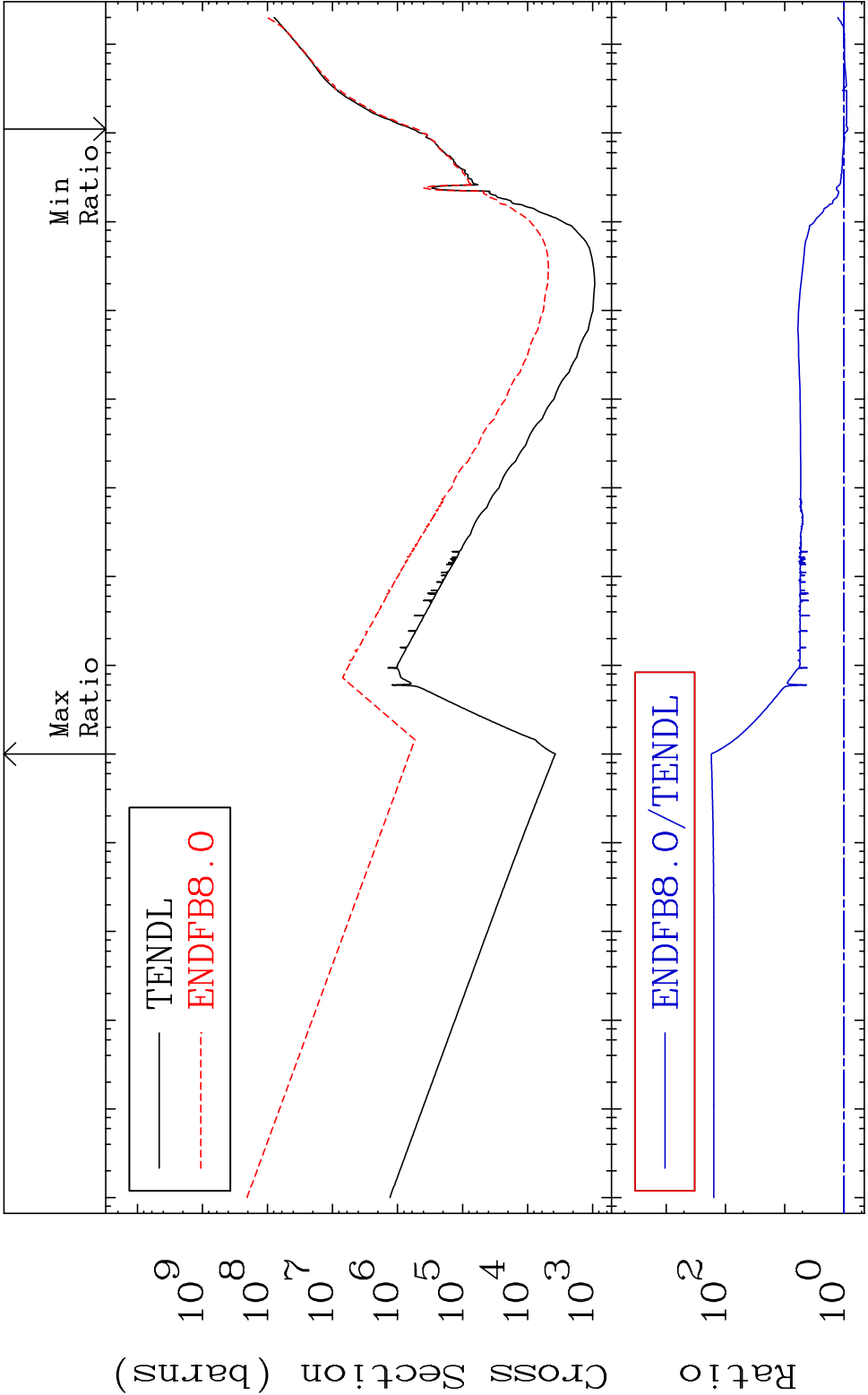
Cross Section

-99.97 To 9999. %

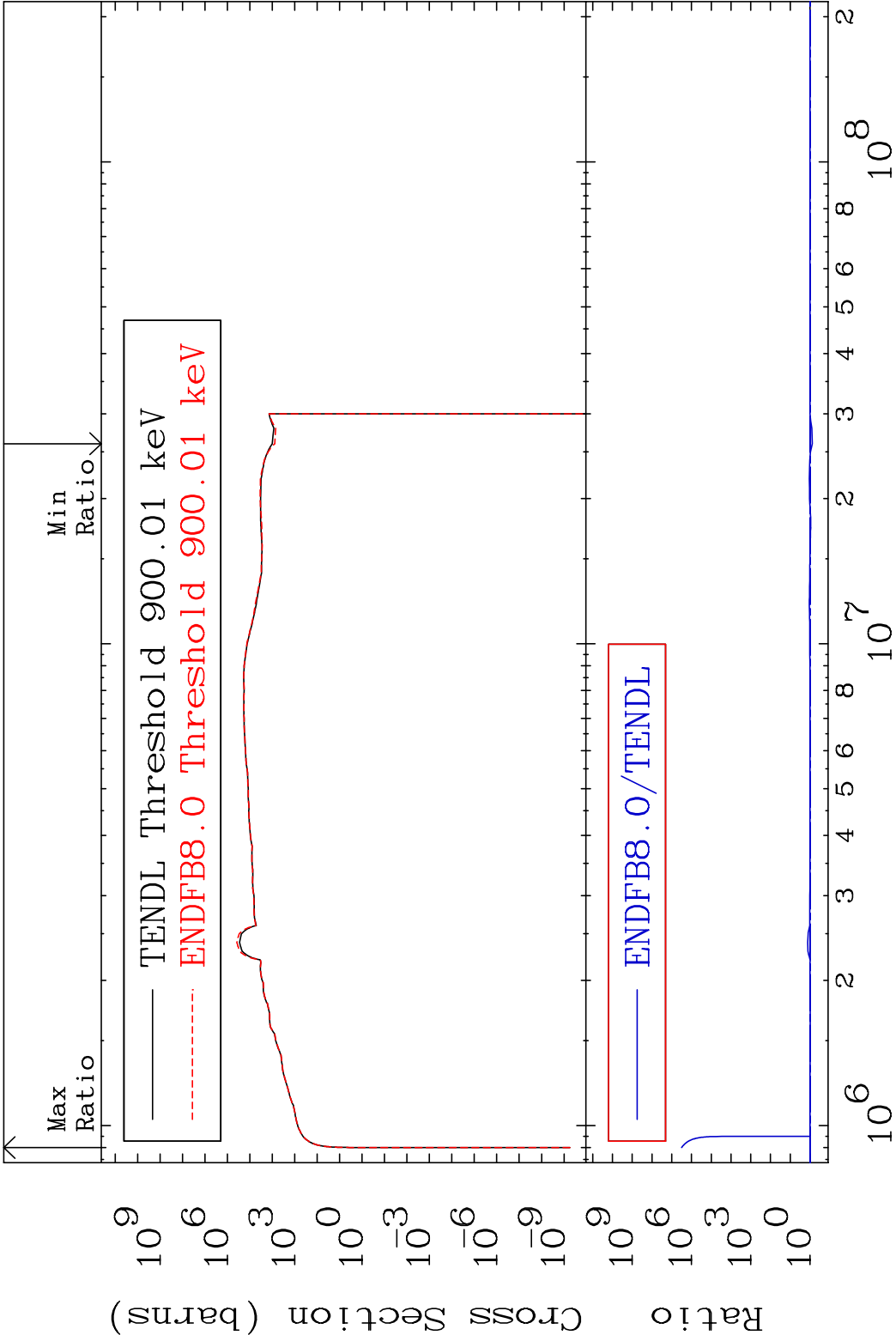
62-Sm-145



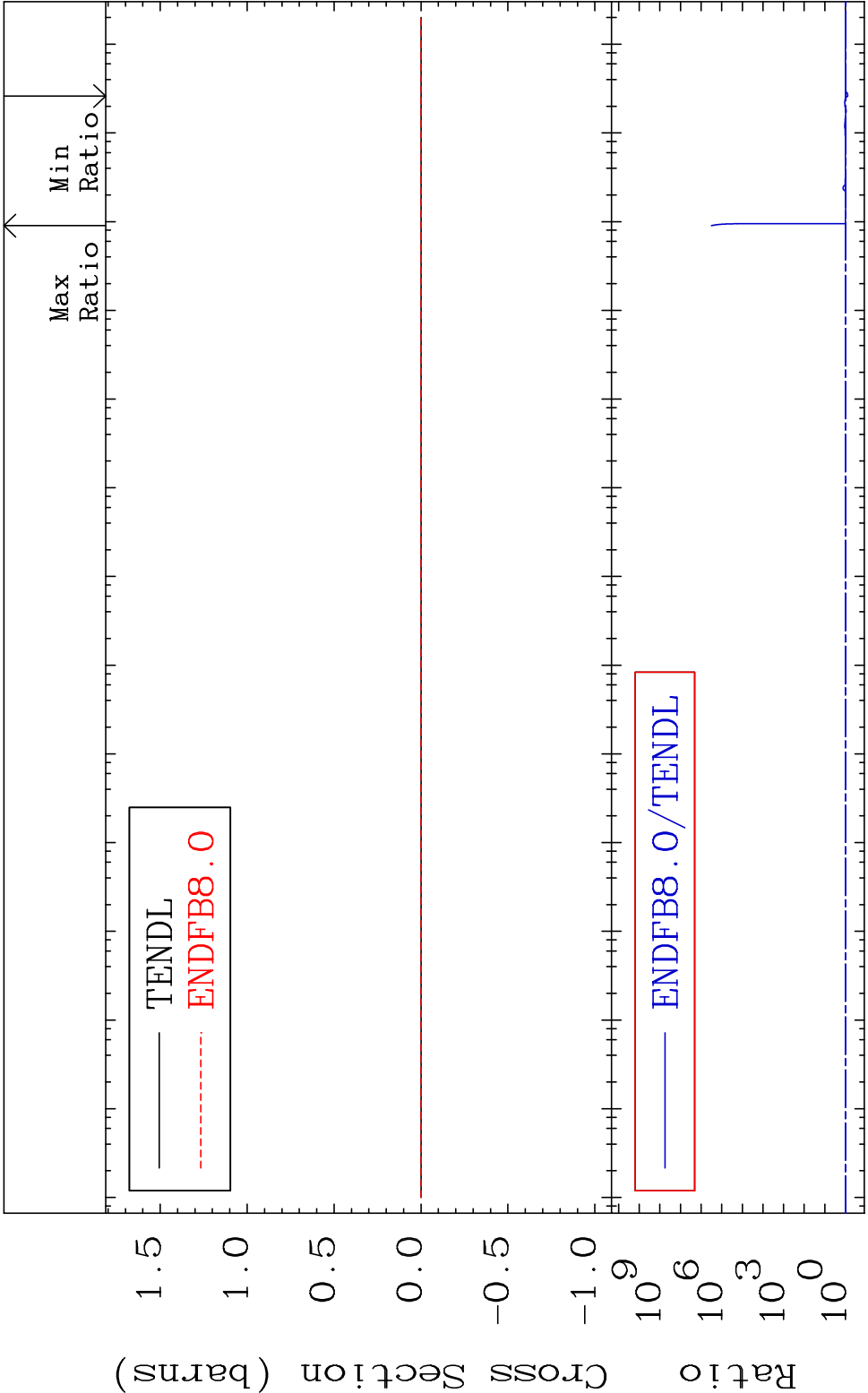
MAT 6228 Kerma non-elastic (all but mt2) 62-Sm-145
 Cross Section -13.84 To 9999. %



70 Incident Energy (eV) 62-Sm-145

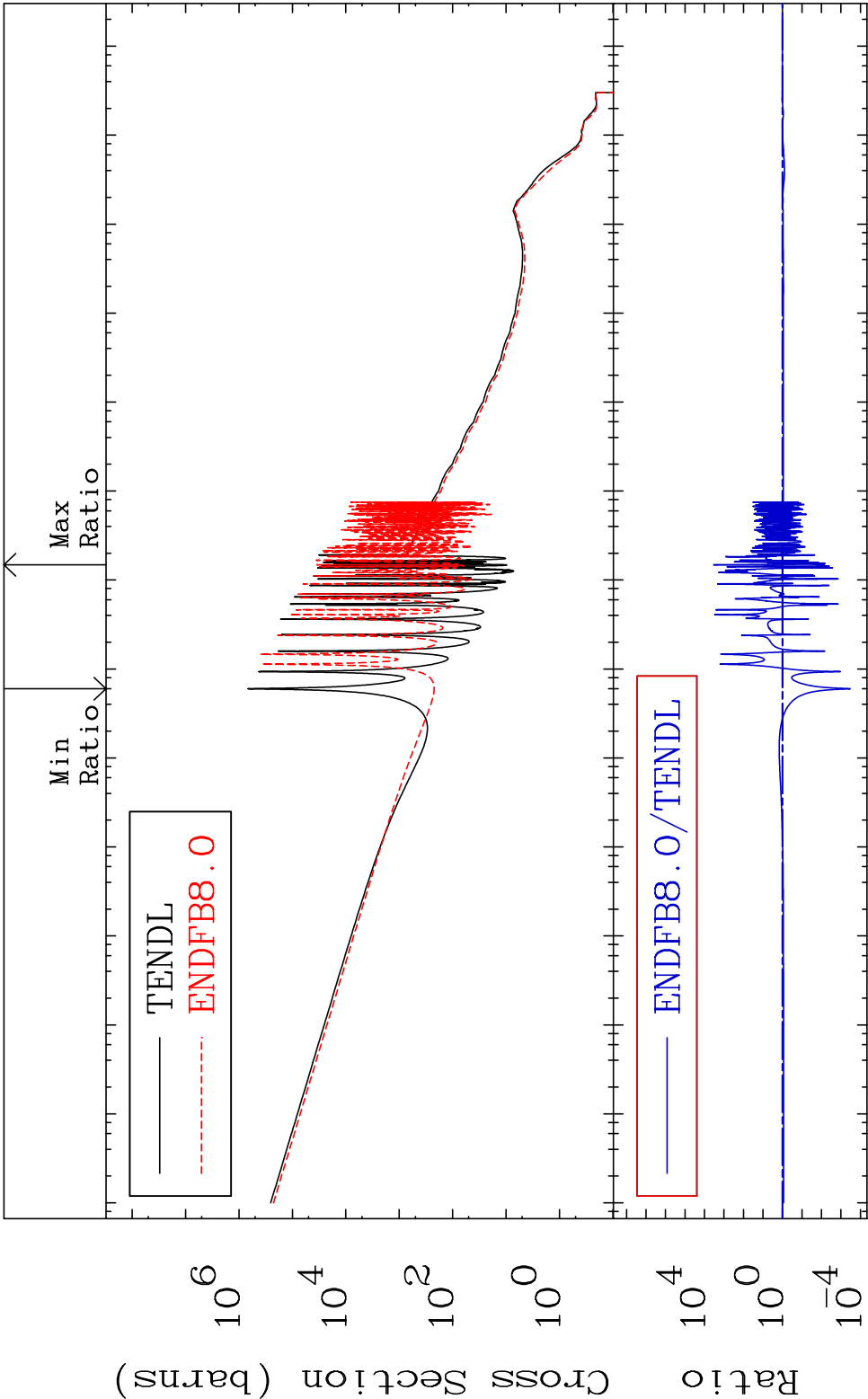


MAT 6228 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-145
Cross Section -22.71 To 9999. %



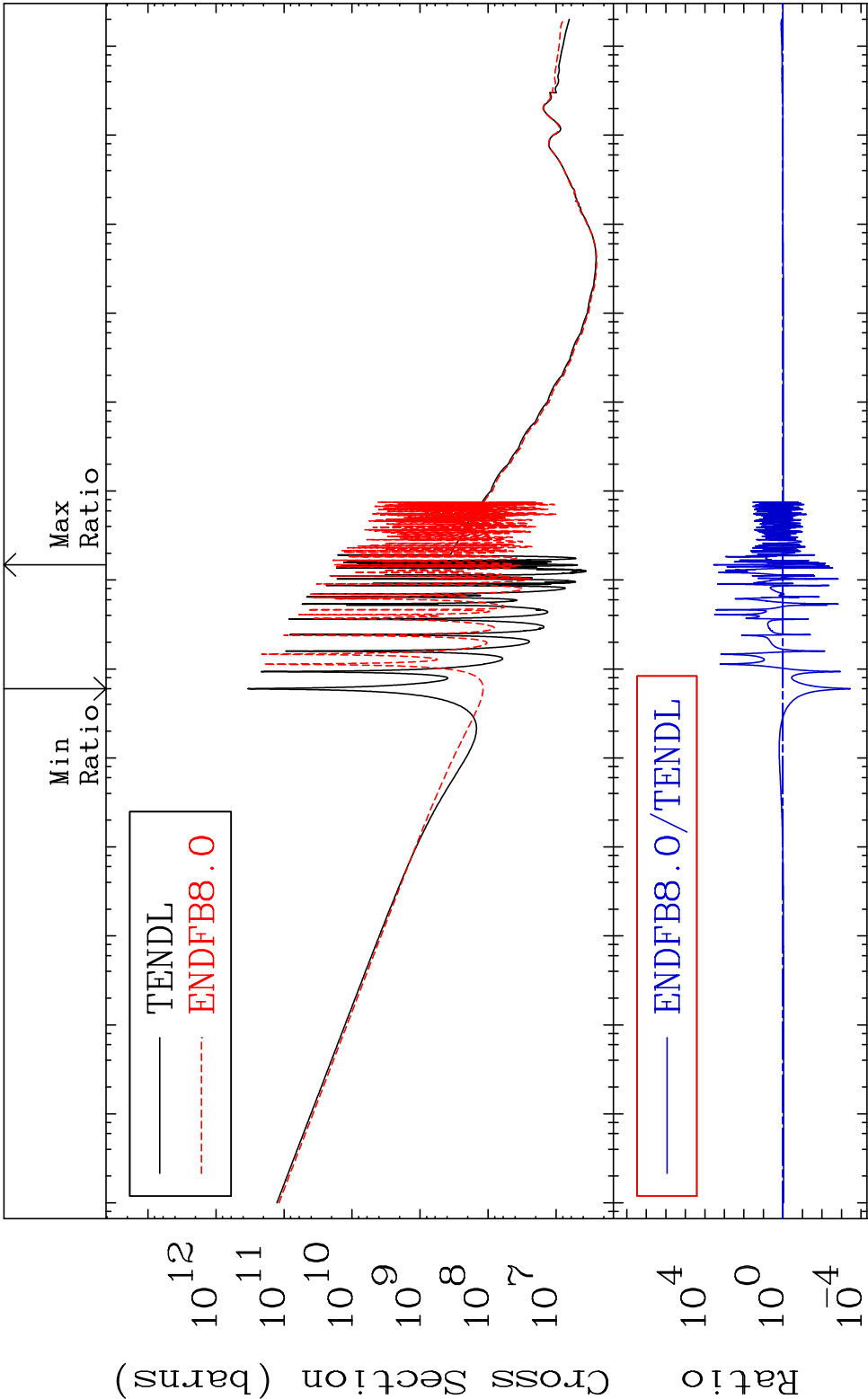
72 Incident Energy (eV) 62-Sm-145

MAT 6228 Kerma capture (mt102) 62-Sm-145
Cross Section -99.97 To 9999. %

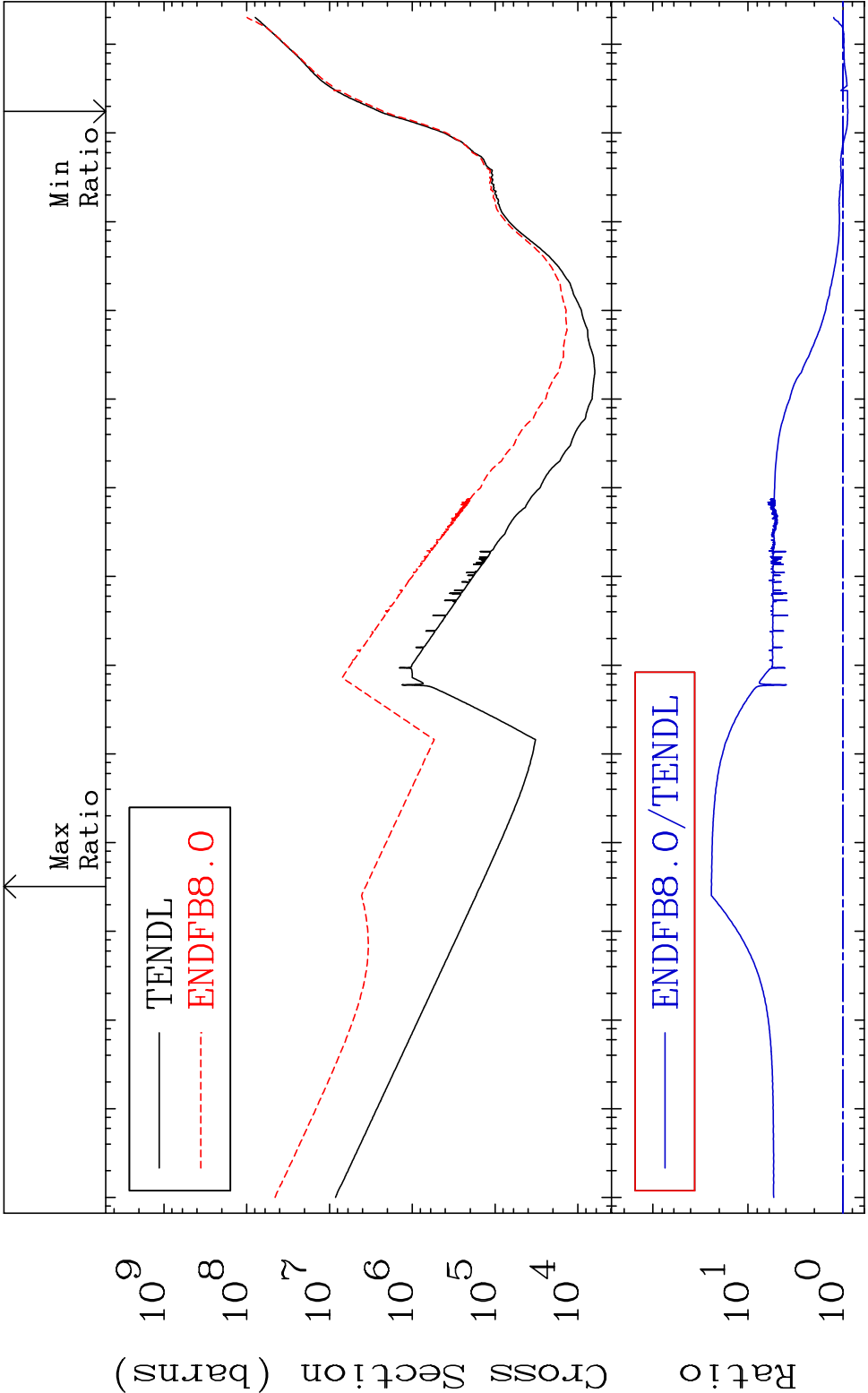


73 Incident Energy (eV) 62-Sm-145

MAT 6228 Total photon (eV-barns) 62-Sm-145
 Cross Section -99.97 To 9999. %



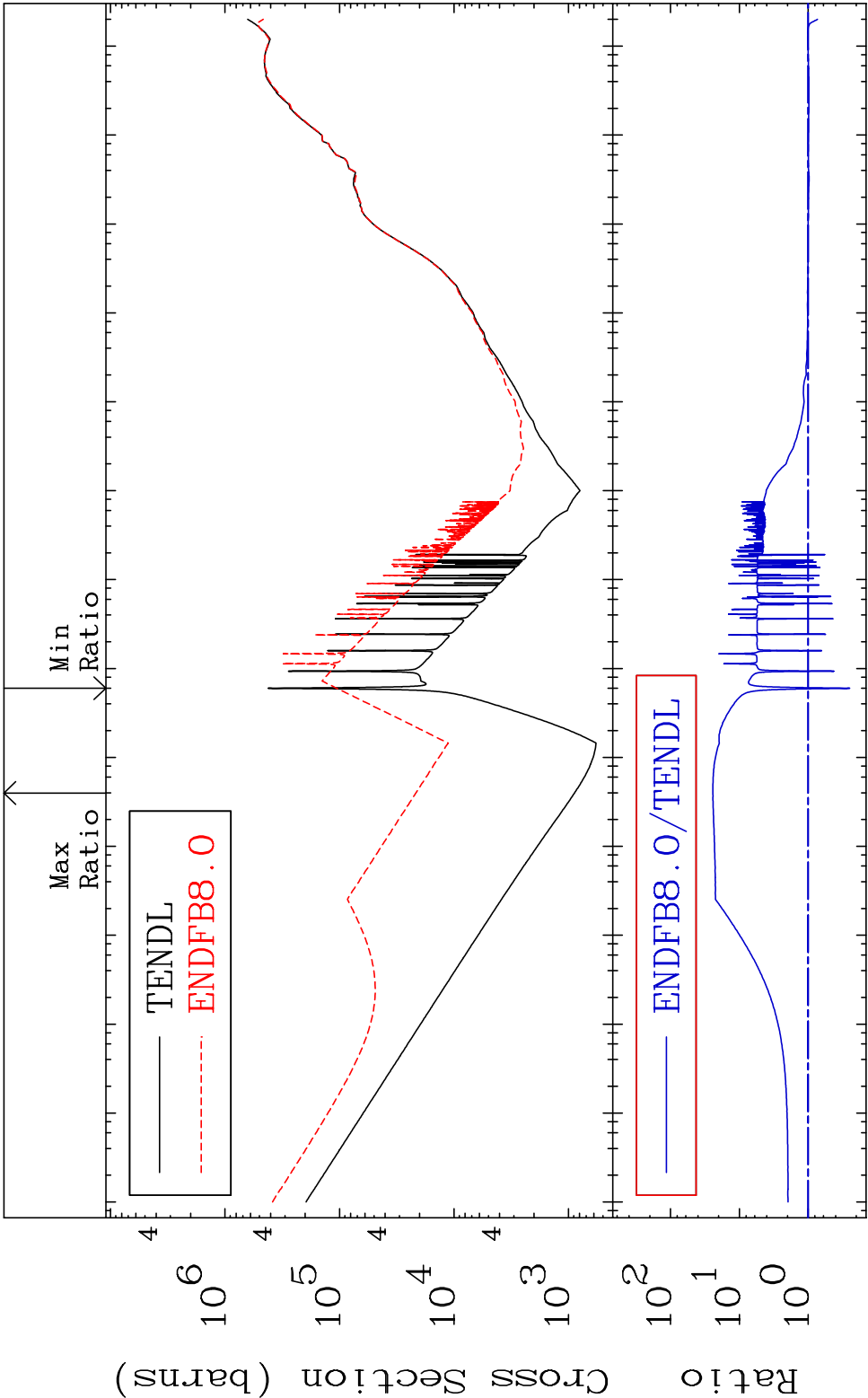
MAT 6228 Total kinematic kerma (high limit) 62-Sm-145
Cross Section -10.62 To 2327. %



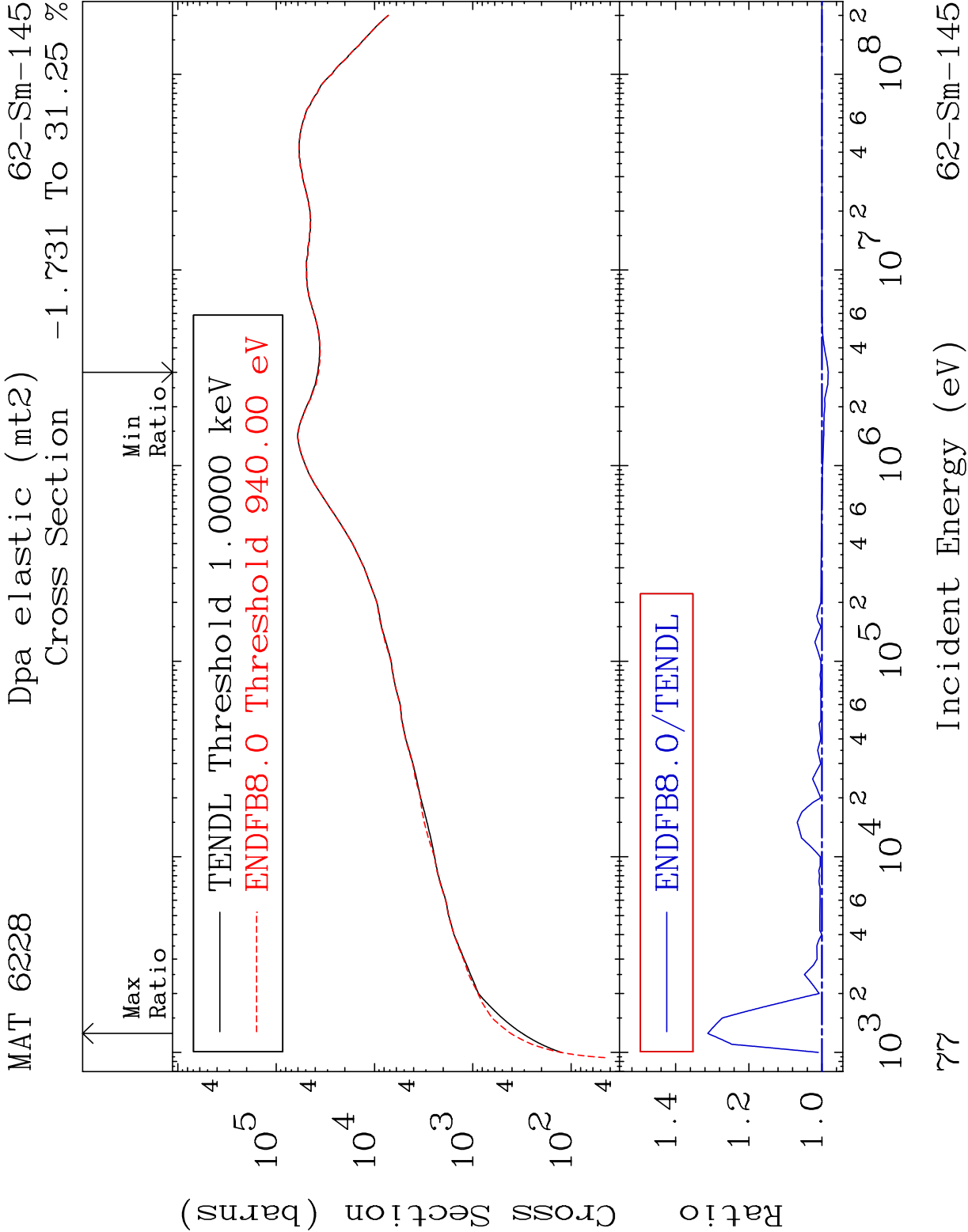
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

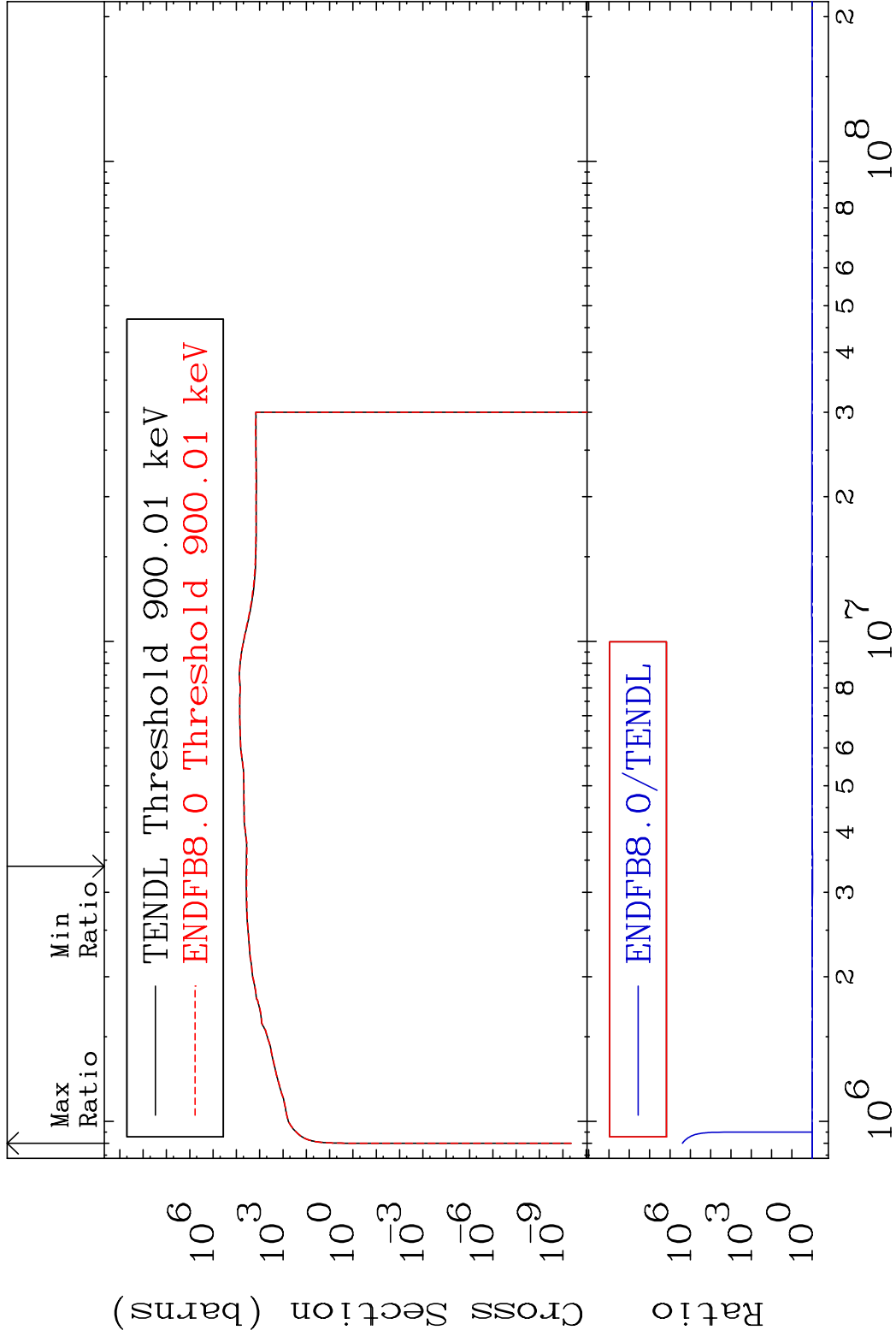
75 Incident Energy (eV) 62-Sm-145

MAT 6228 Dpa total (eV-barns) 62-Sm-145
 Cross Section -74.86 To 2334. %

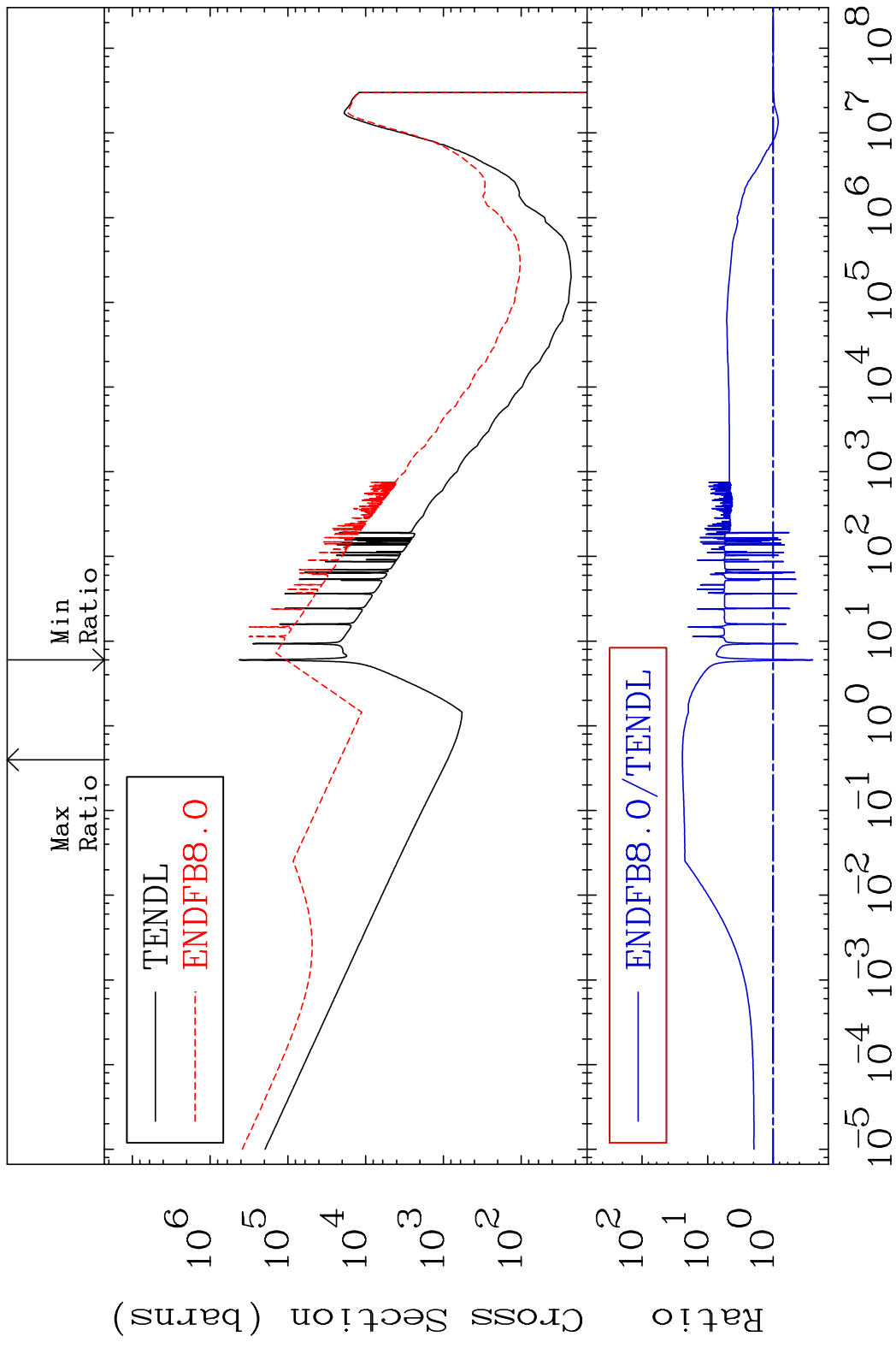


76 Incident Energy (eV) 62-Sm-145





MAT 6228	Dpa disappearance (mt102	62-Sm-145
	Cross Section	-74.86 To 2334. %



79	Incident Energy (eV)	62-Sm-145
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