

Program Complot
(Version 2021-1)

by

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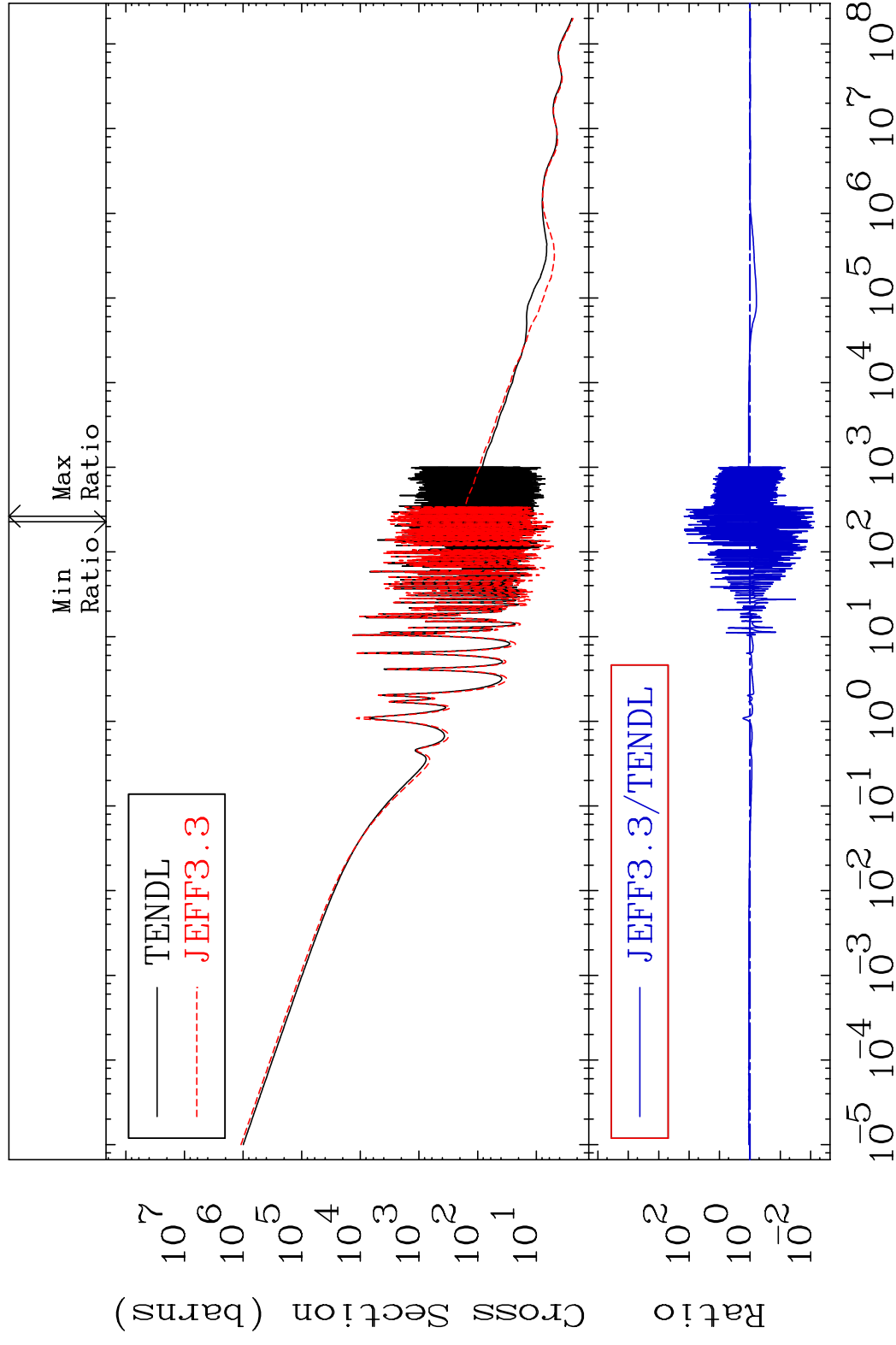
Press Mouse Button to Start

MAT 6246

Total

62-Sm-151

Cross Section -99.24 To 9999. %



1

Incident Energy (eV)

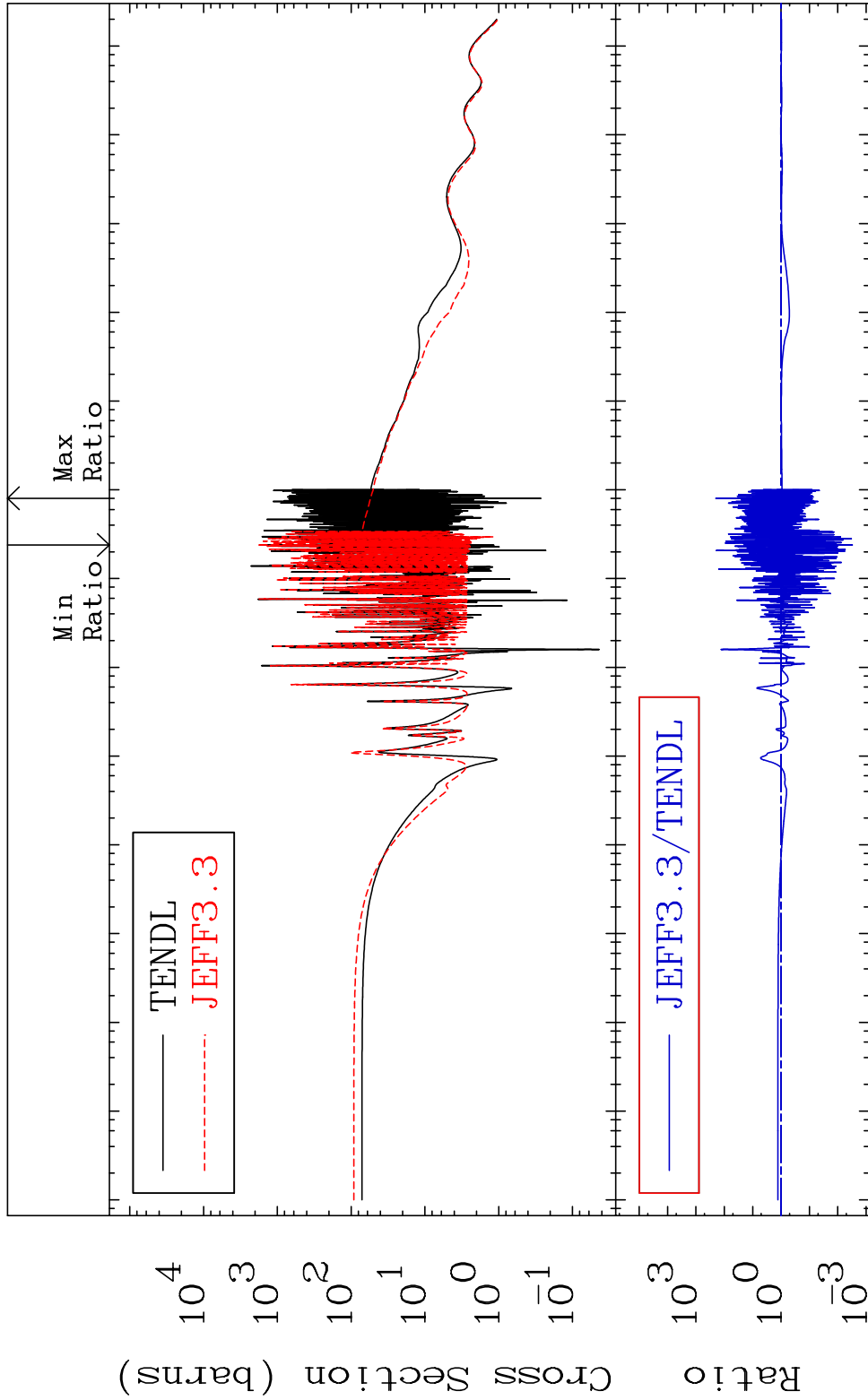
62-Sm-151

MAT 6246

Elastic

62-Sm-151

Cross Section -99.69 To 9999. %

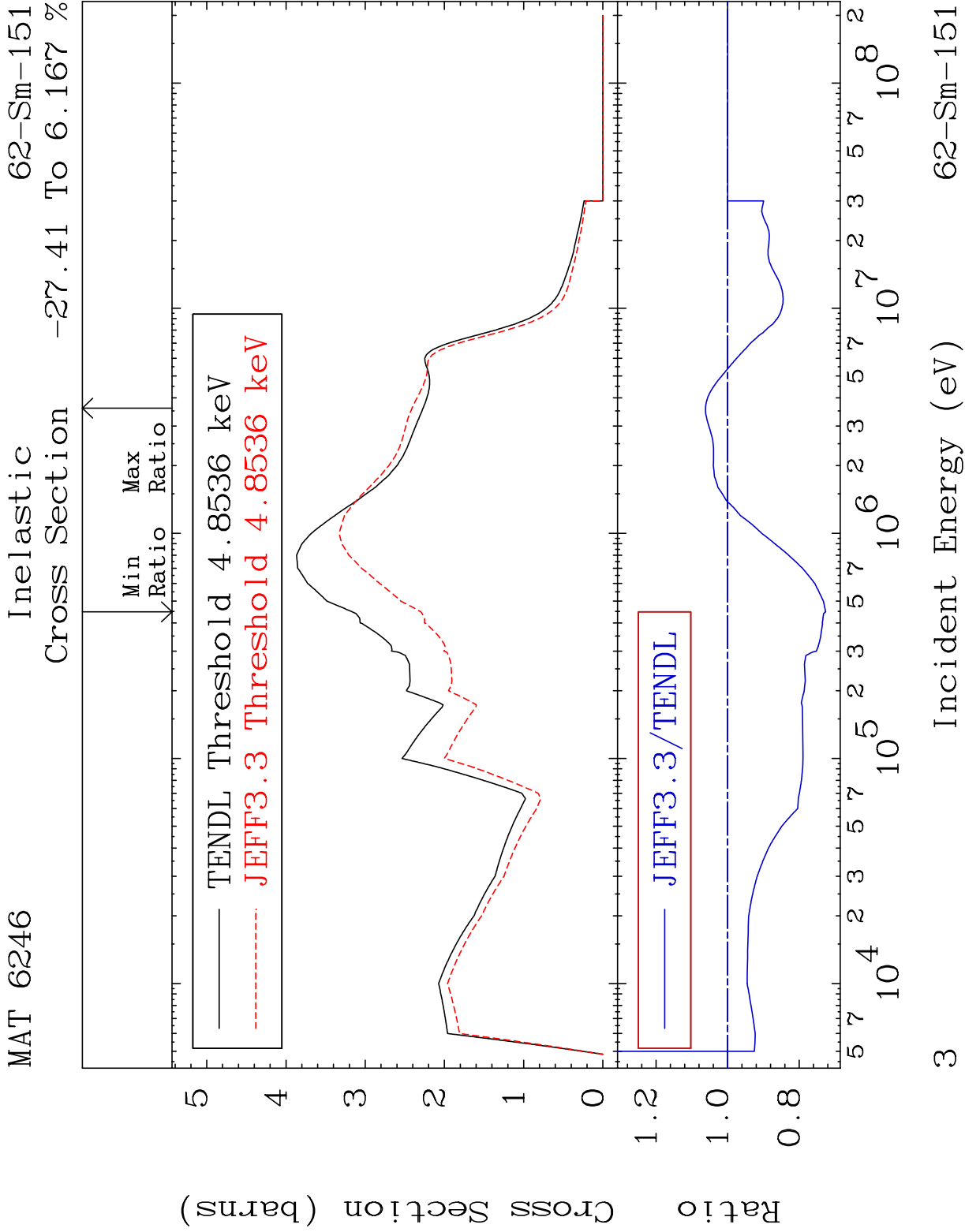


10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

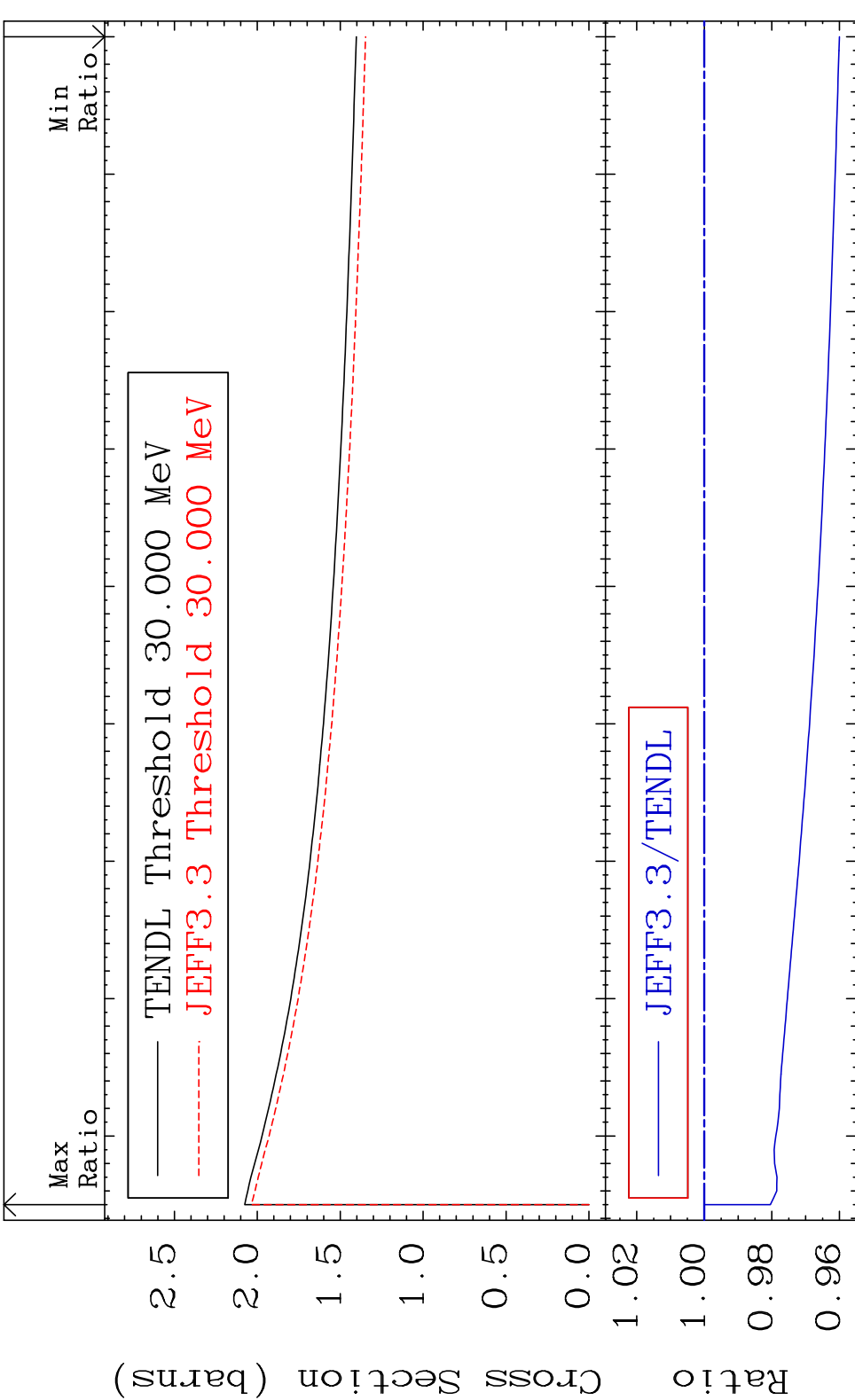
2

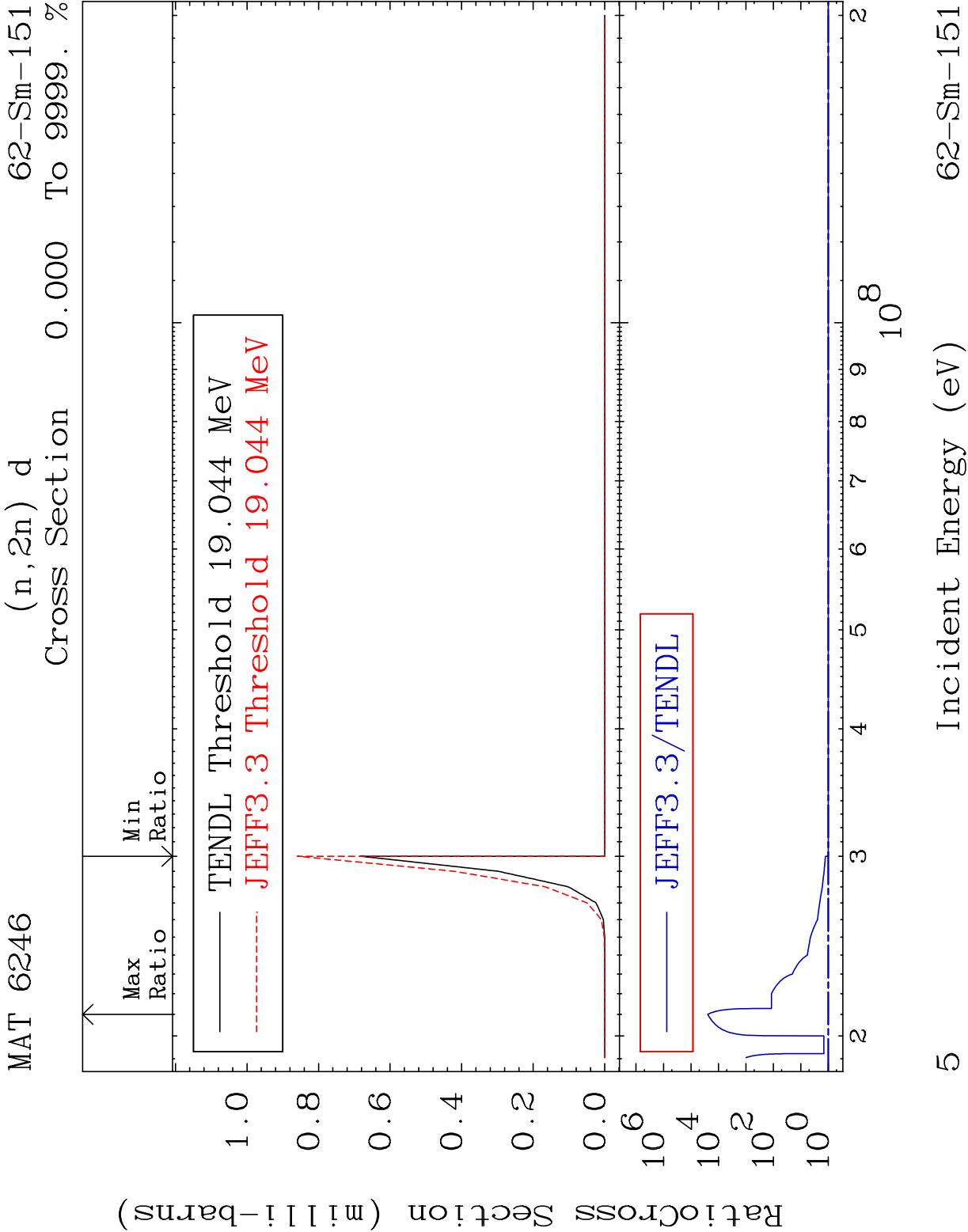
Incident Energy (eV)

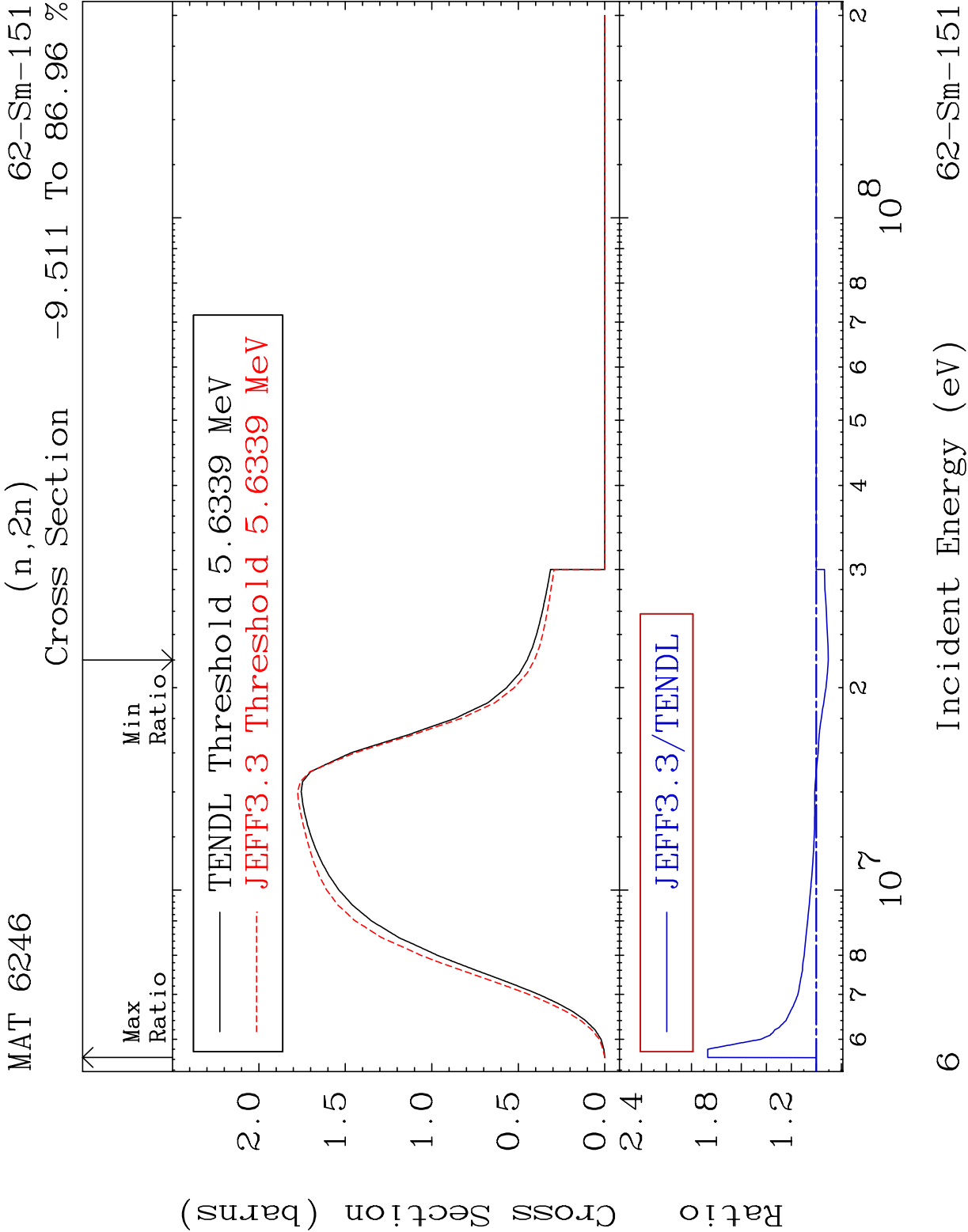
62-Sm-151

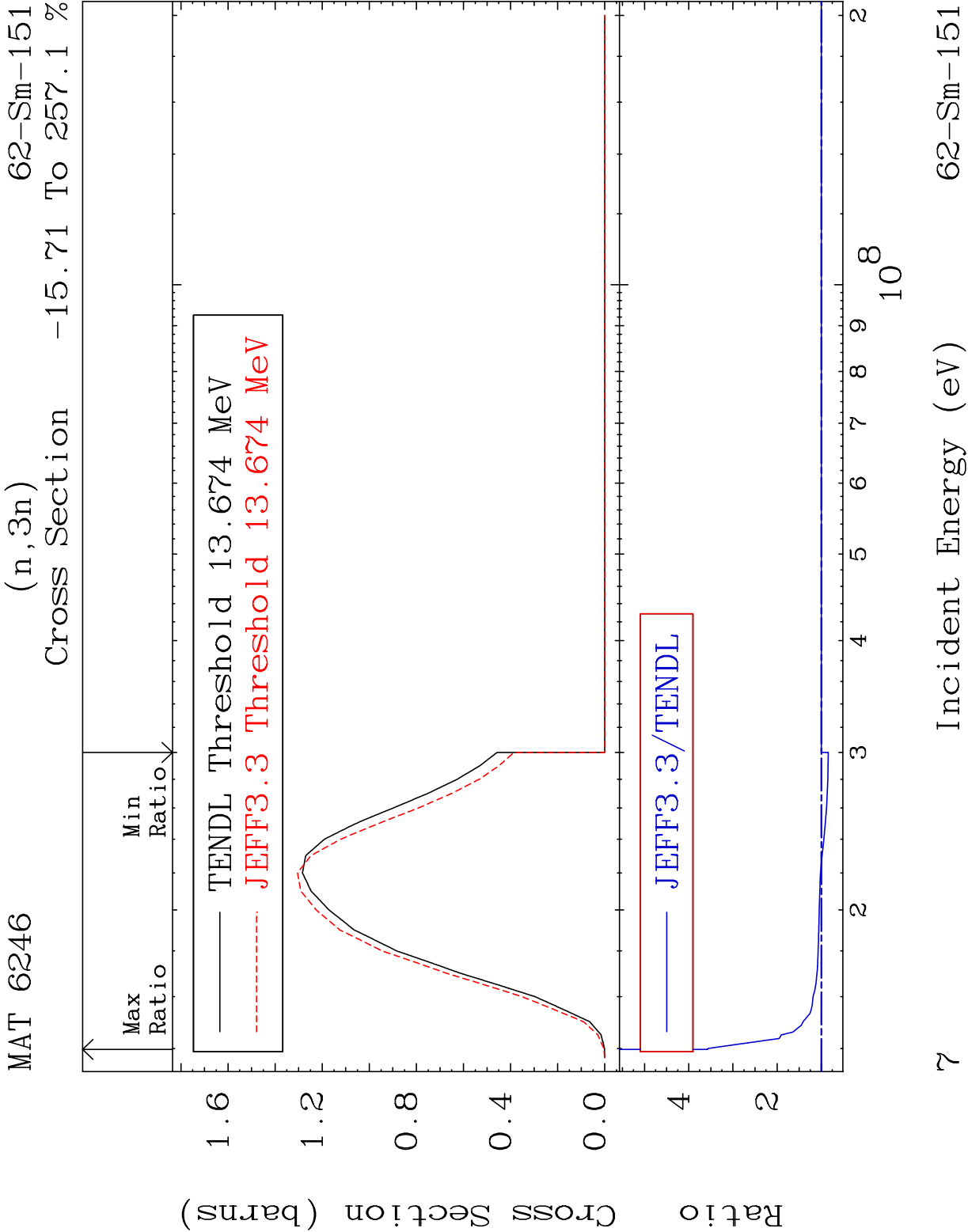


MAT 6246 (n,remainder) 62-Sm-151
Cross Section -3.997 To 0.000 %







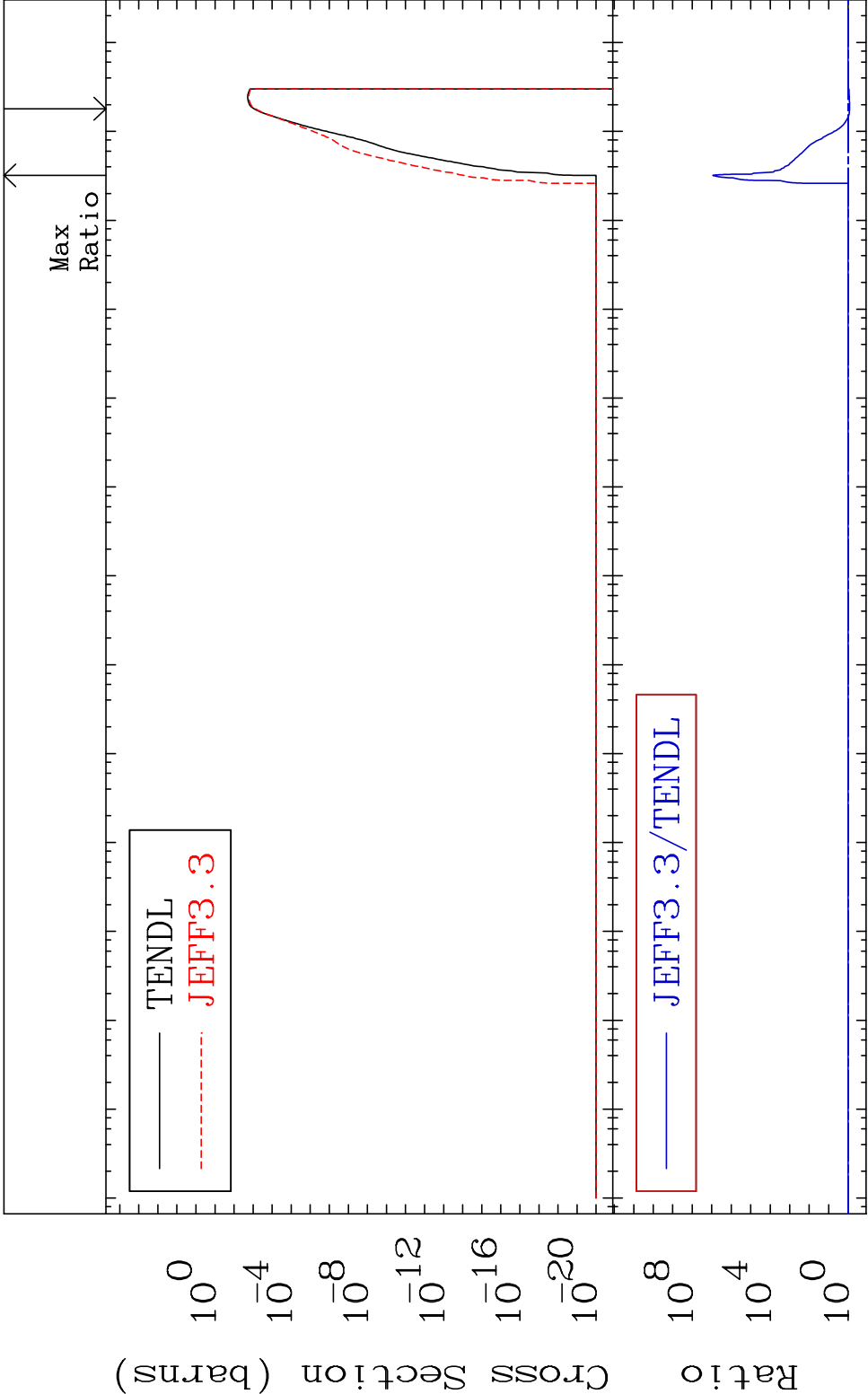


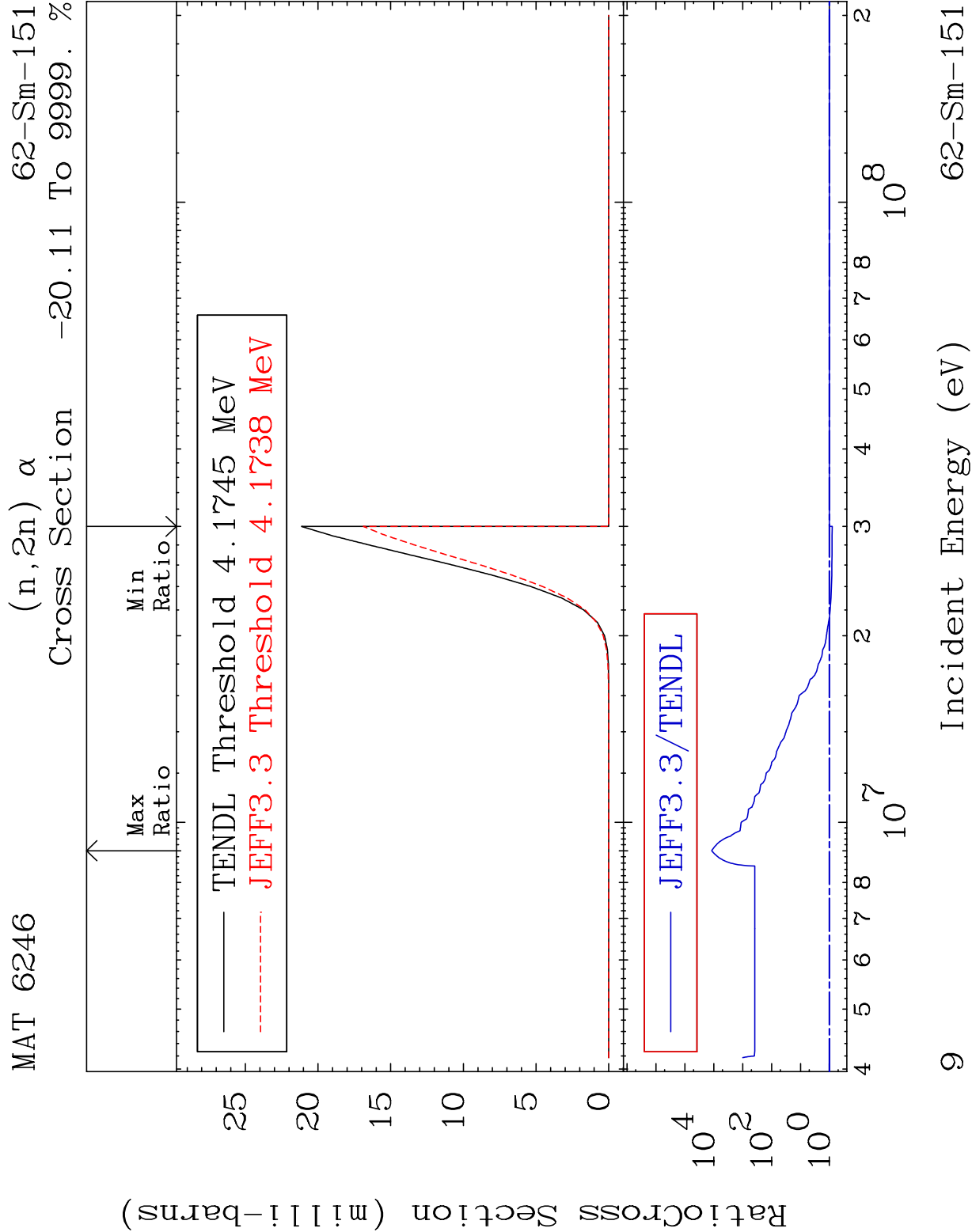
MAT 6246

(n,n') α

62-Sm-151

Cross Section -14.26 To 9999. %



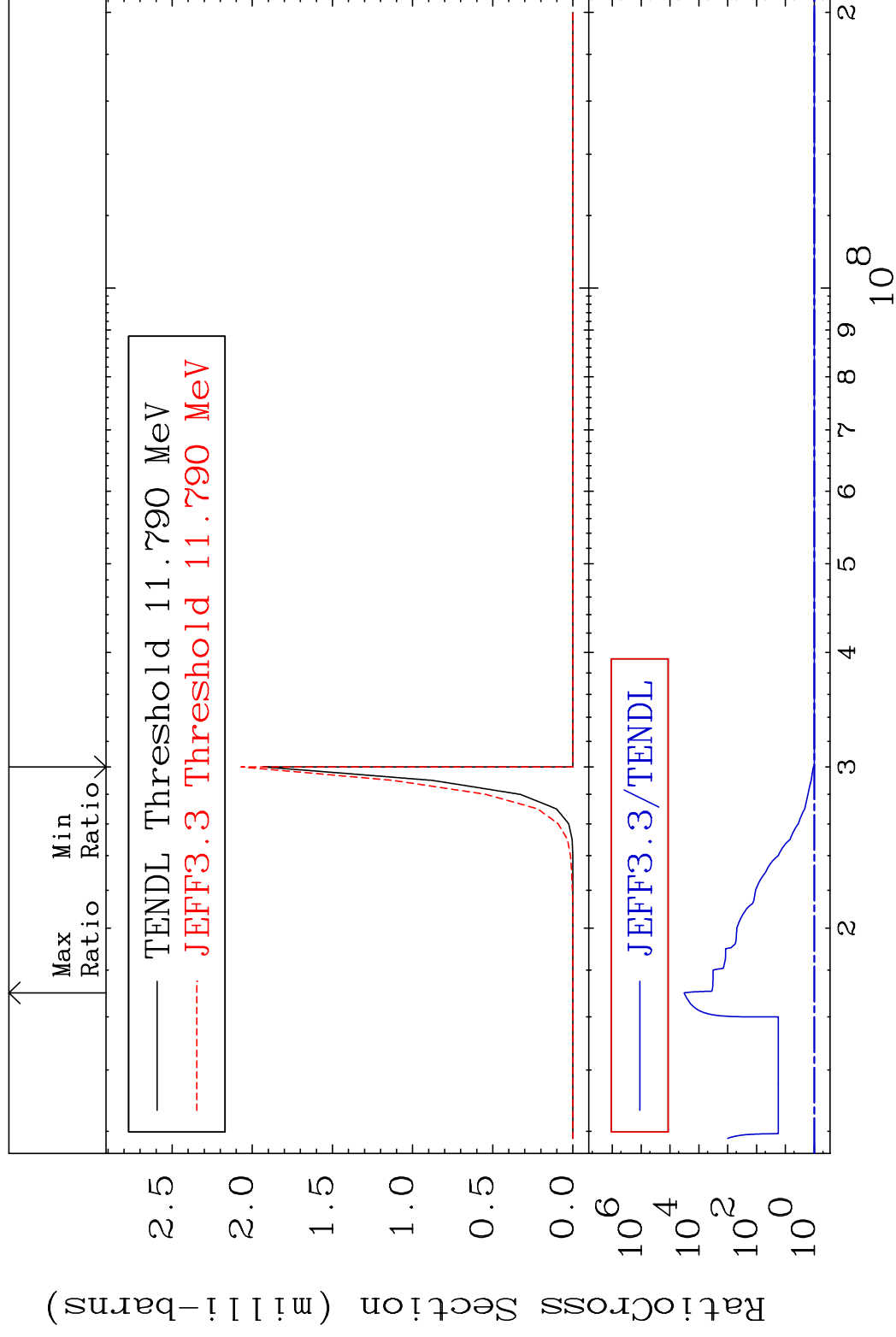


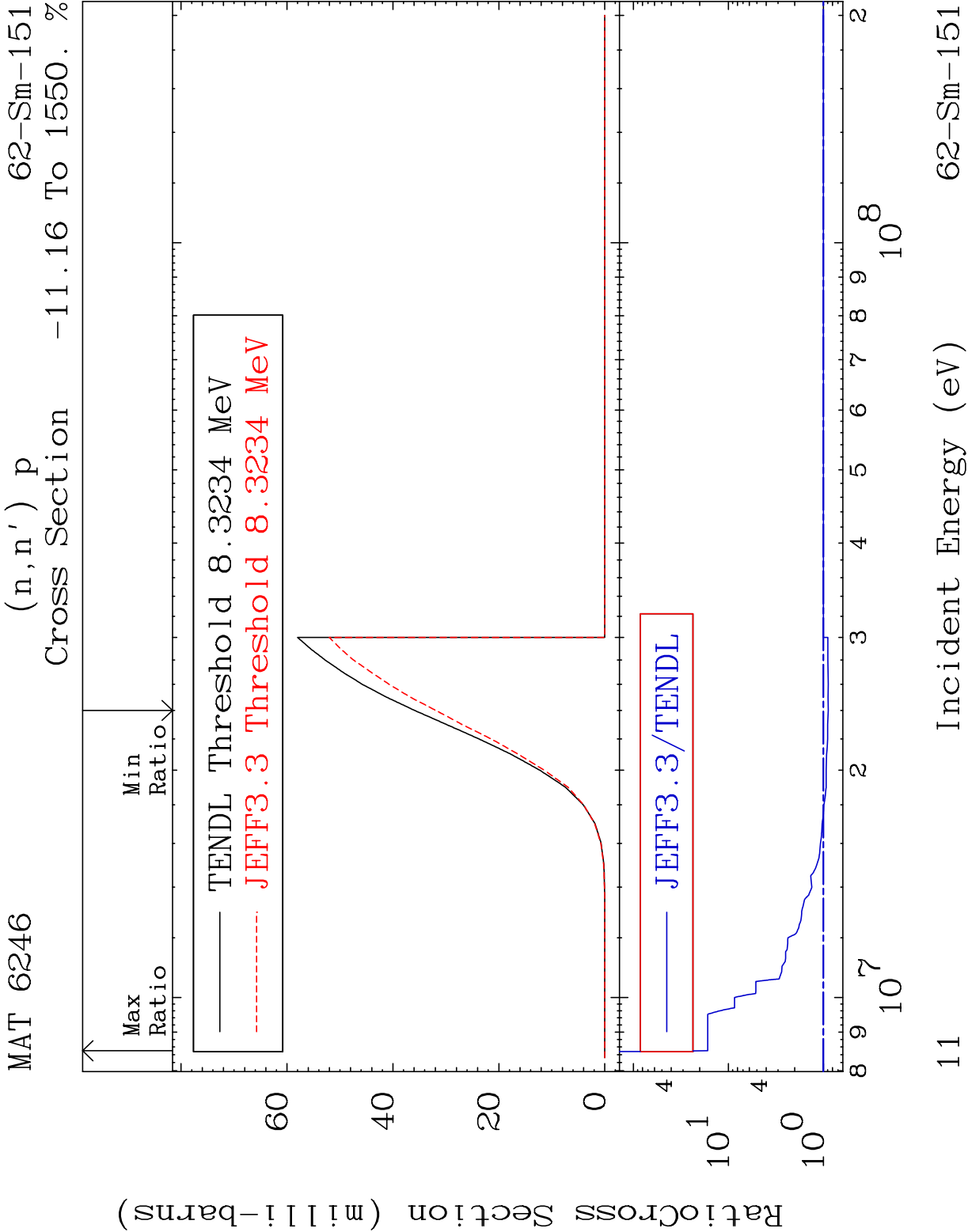
MAT 6246

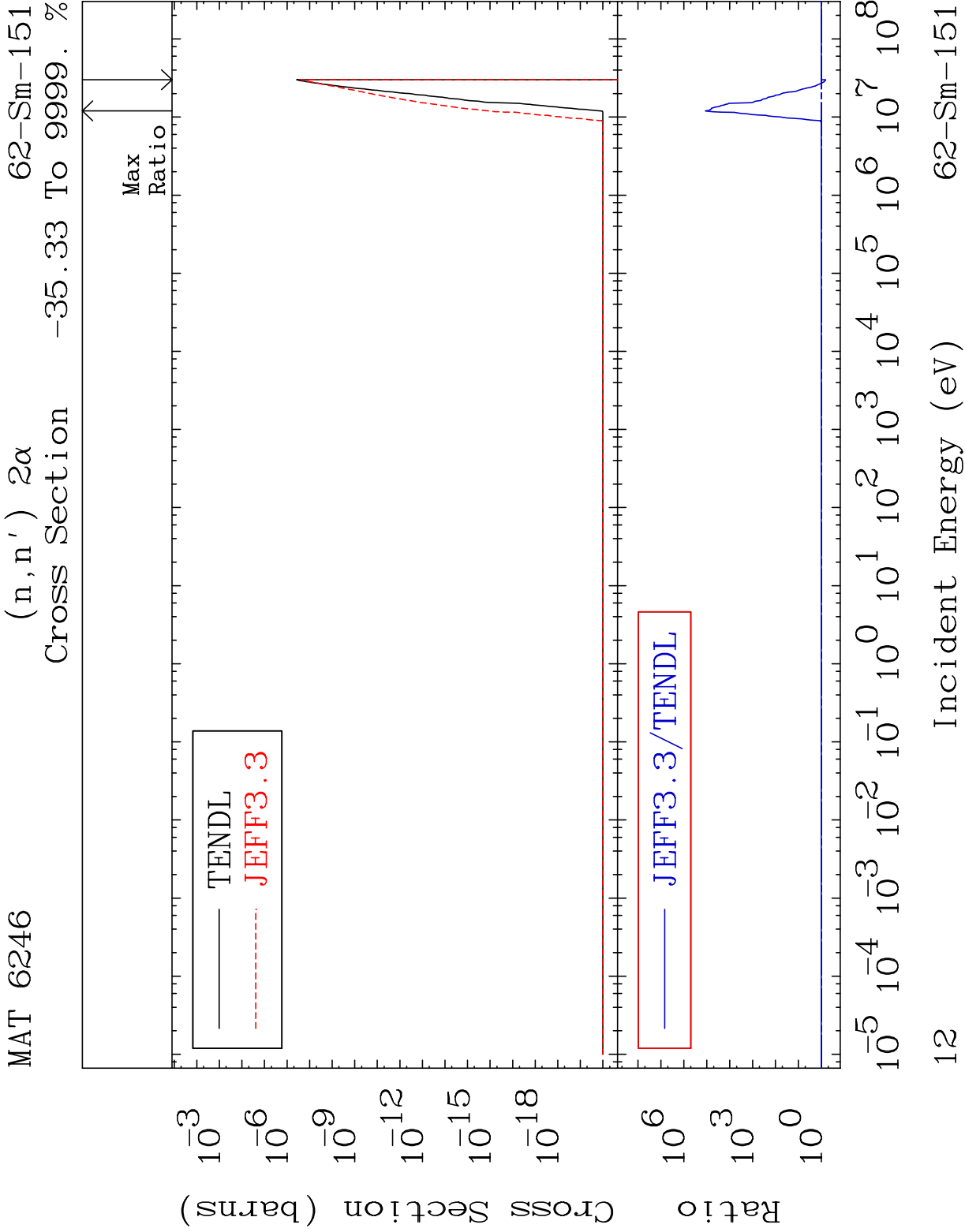
$$(n, 3n) \propto$$

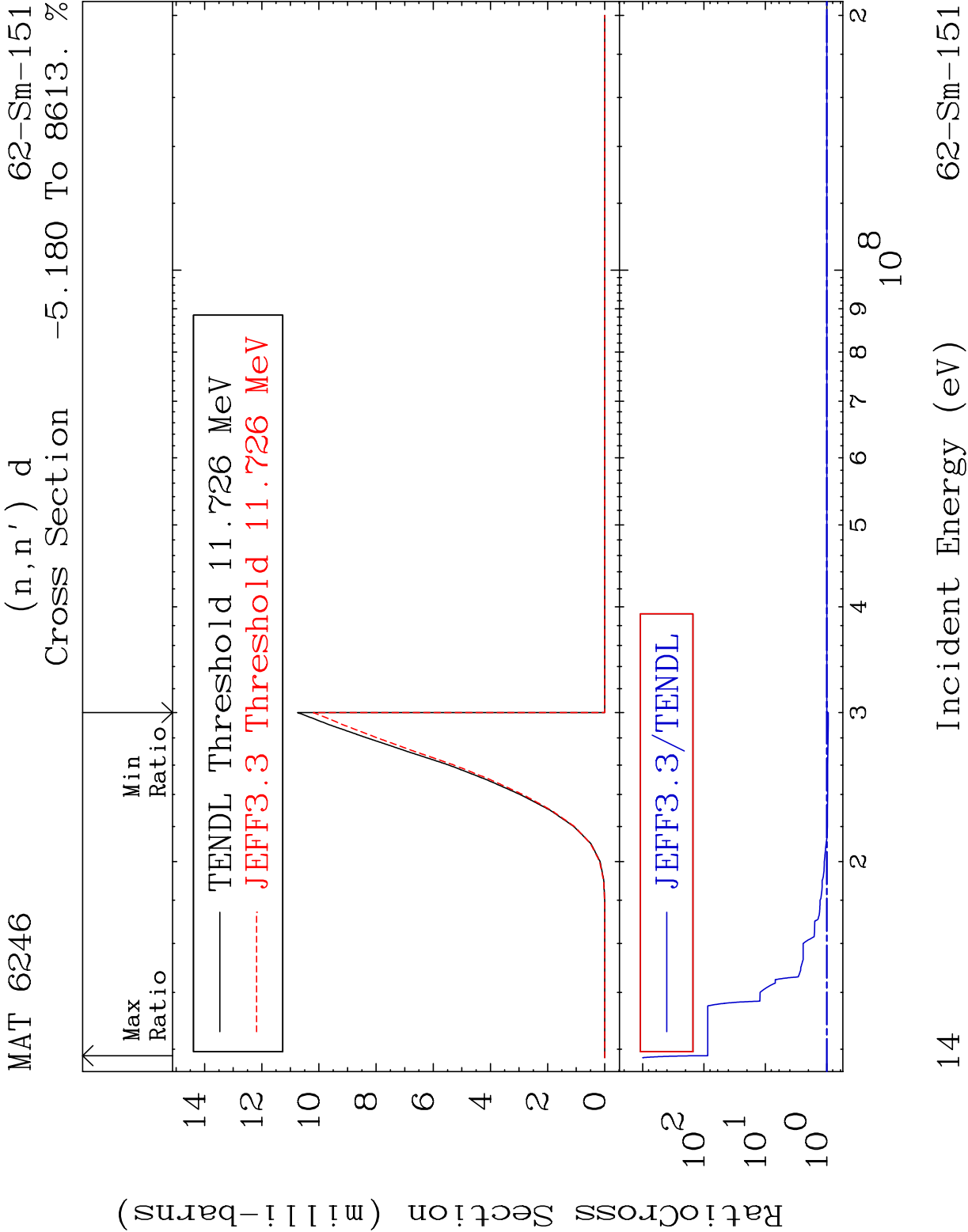
62-Sm-151

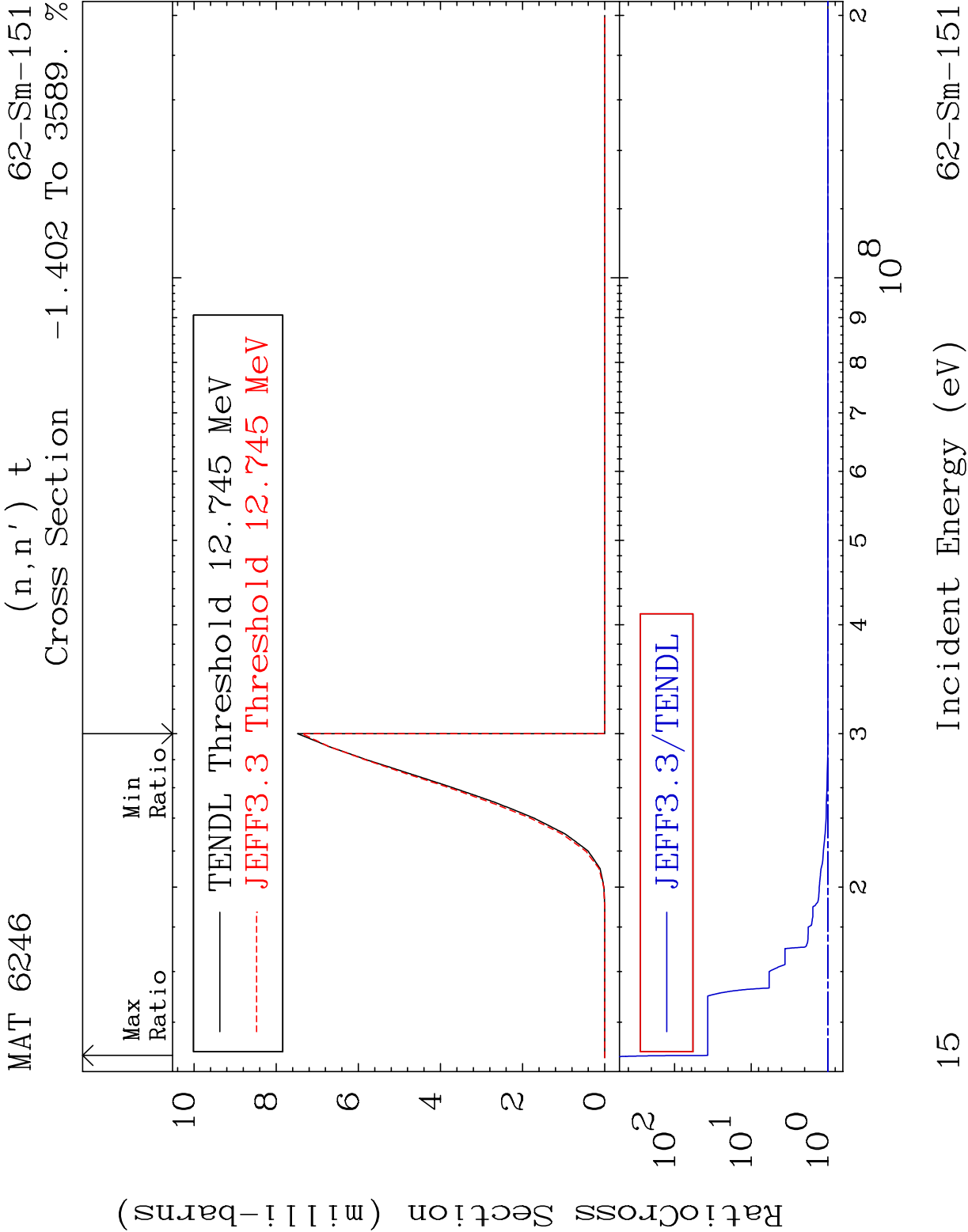
Cross Section 0.000 To 9999. %

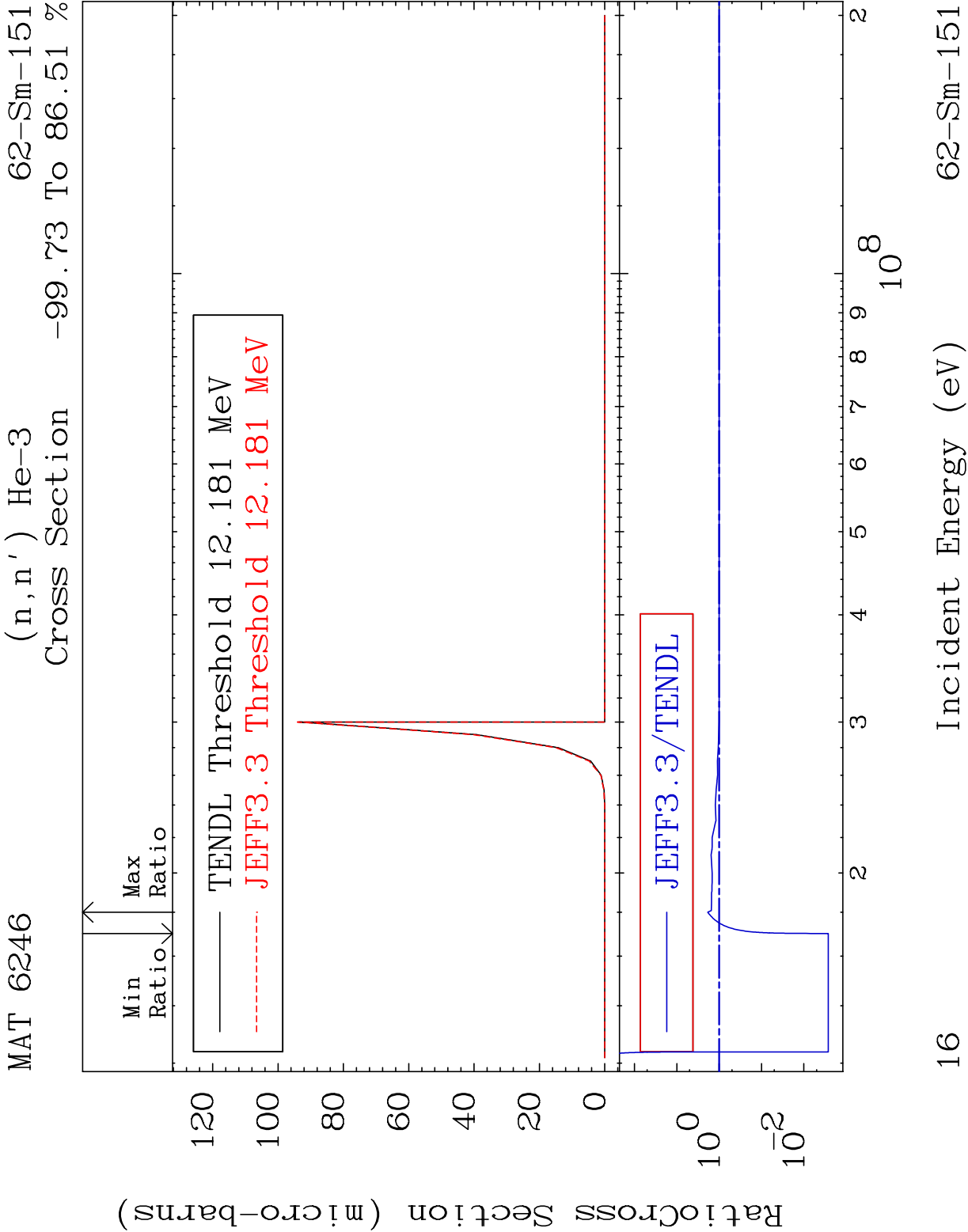


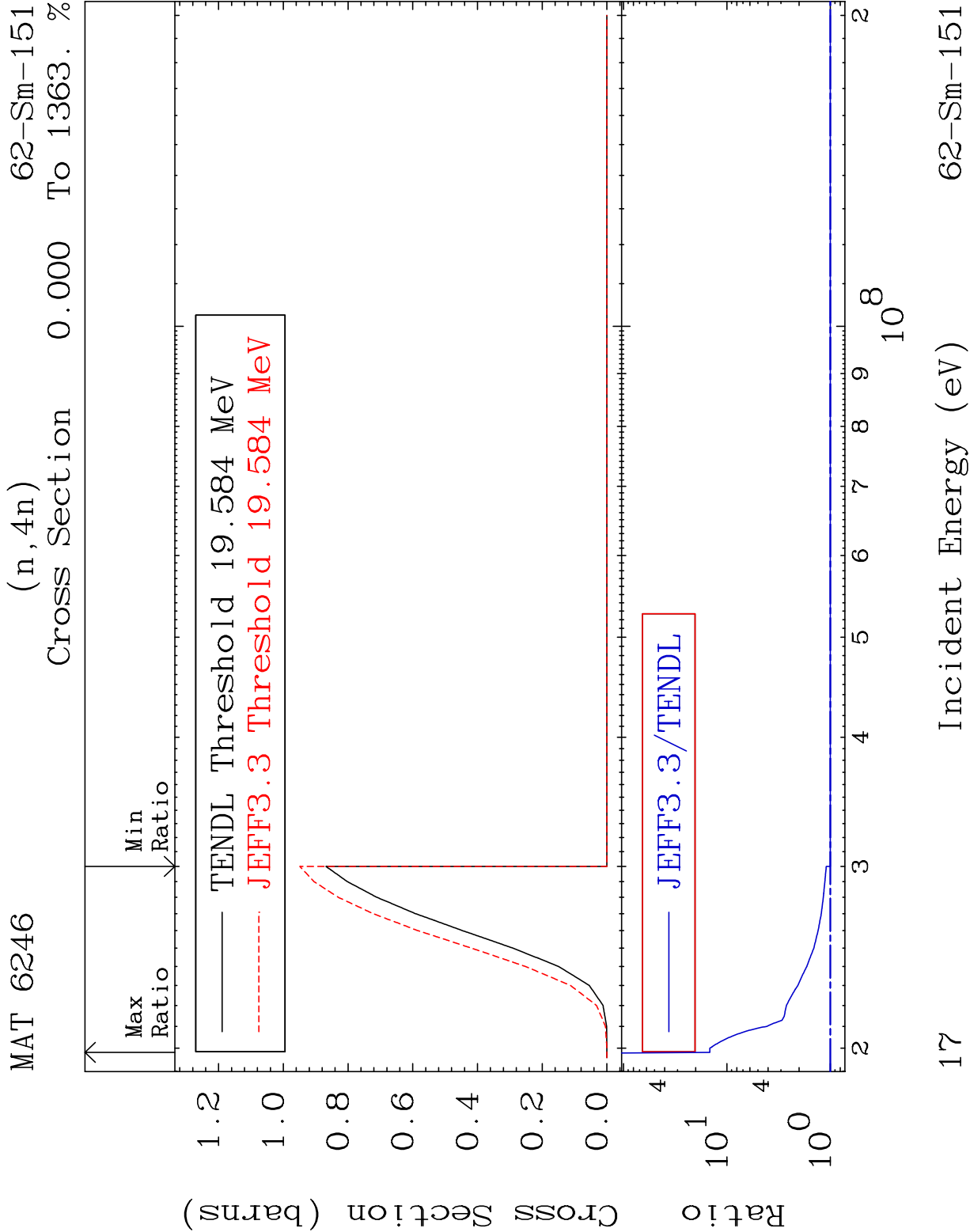


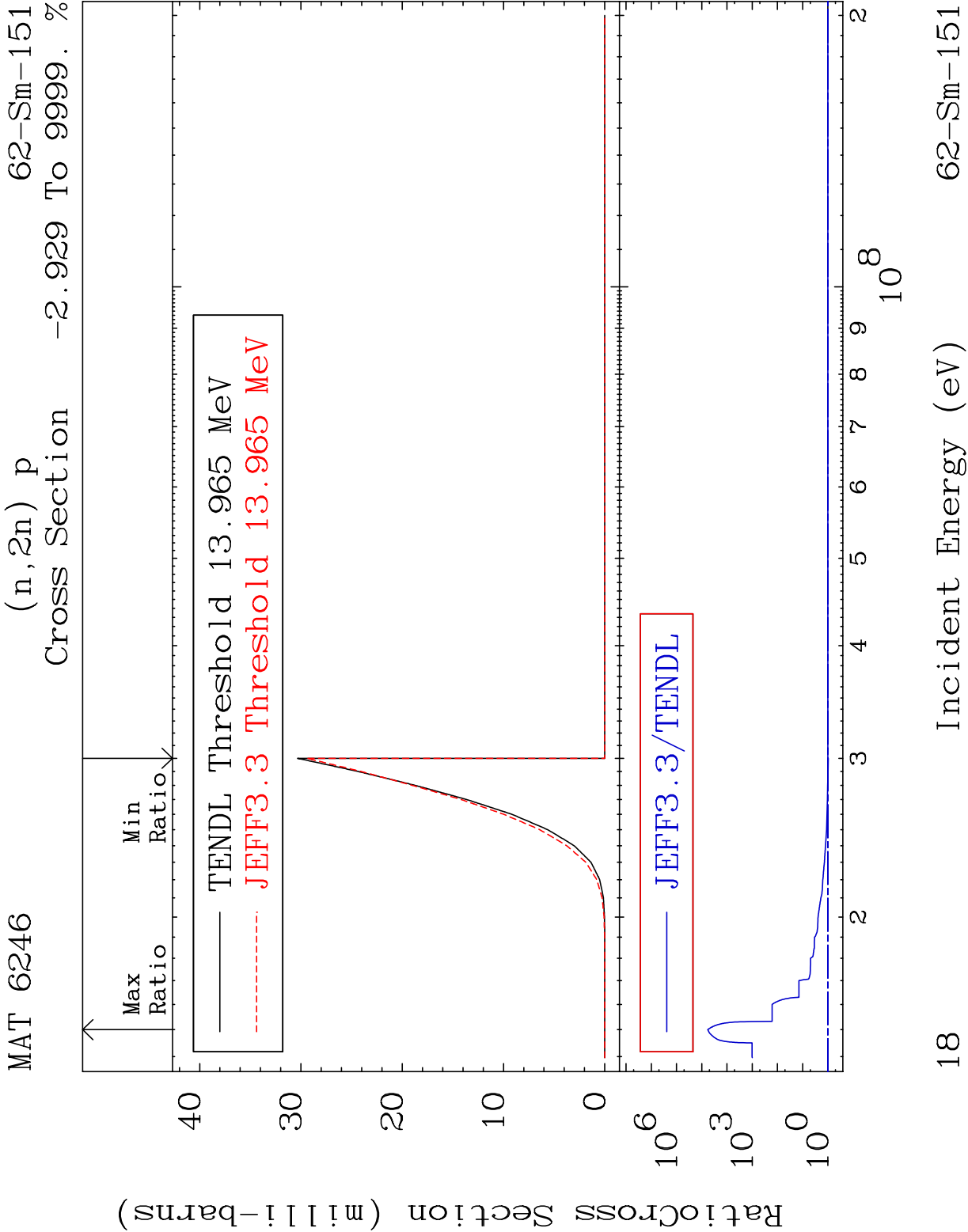


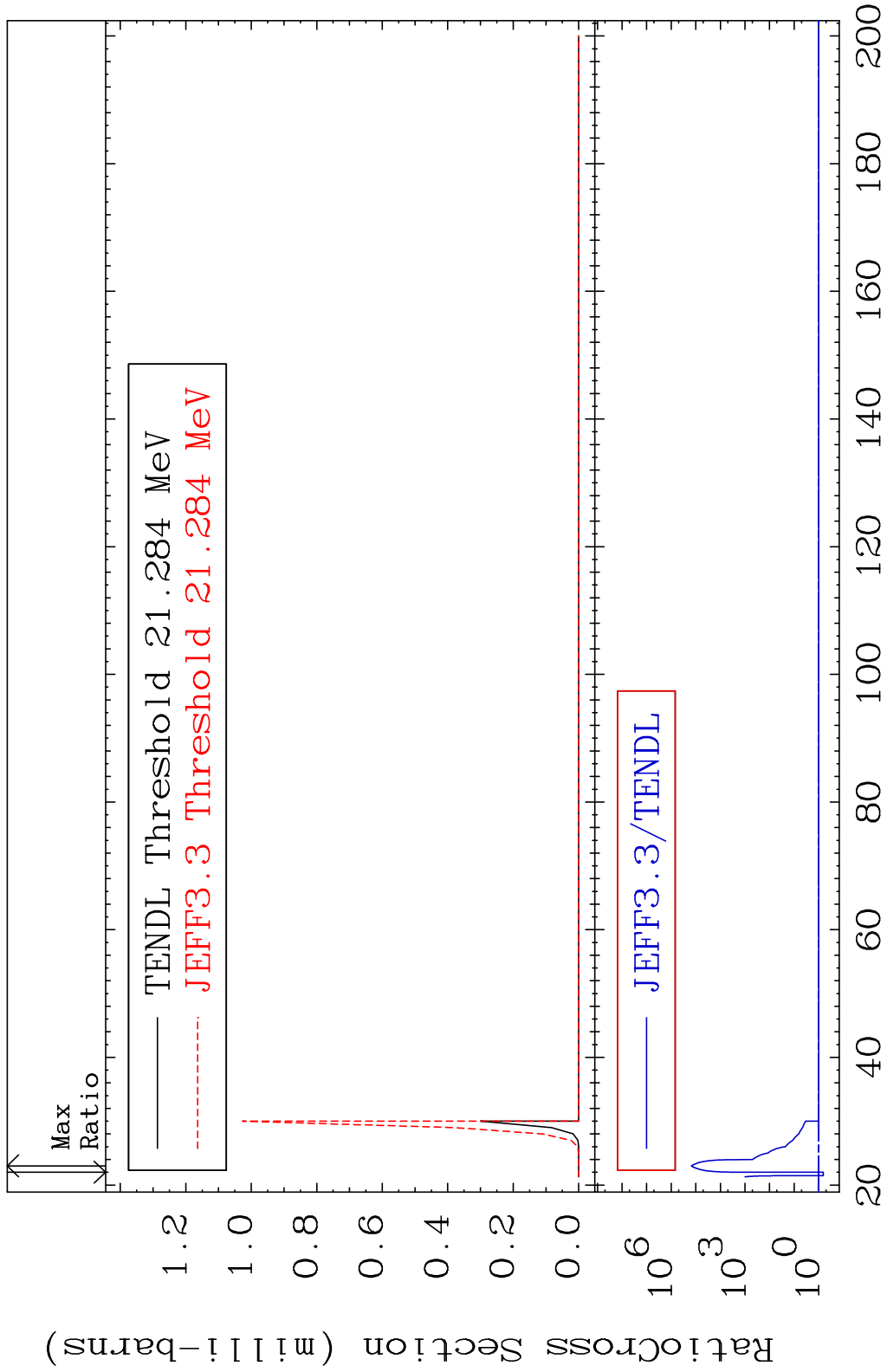


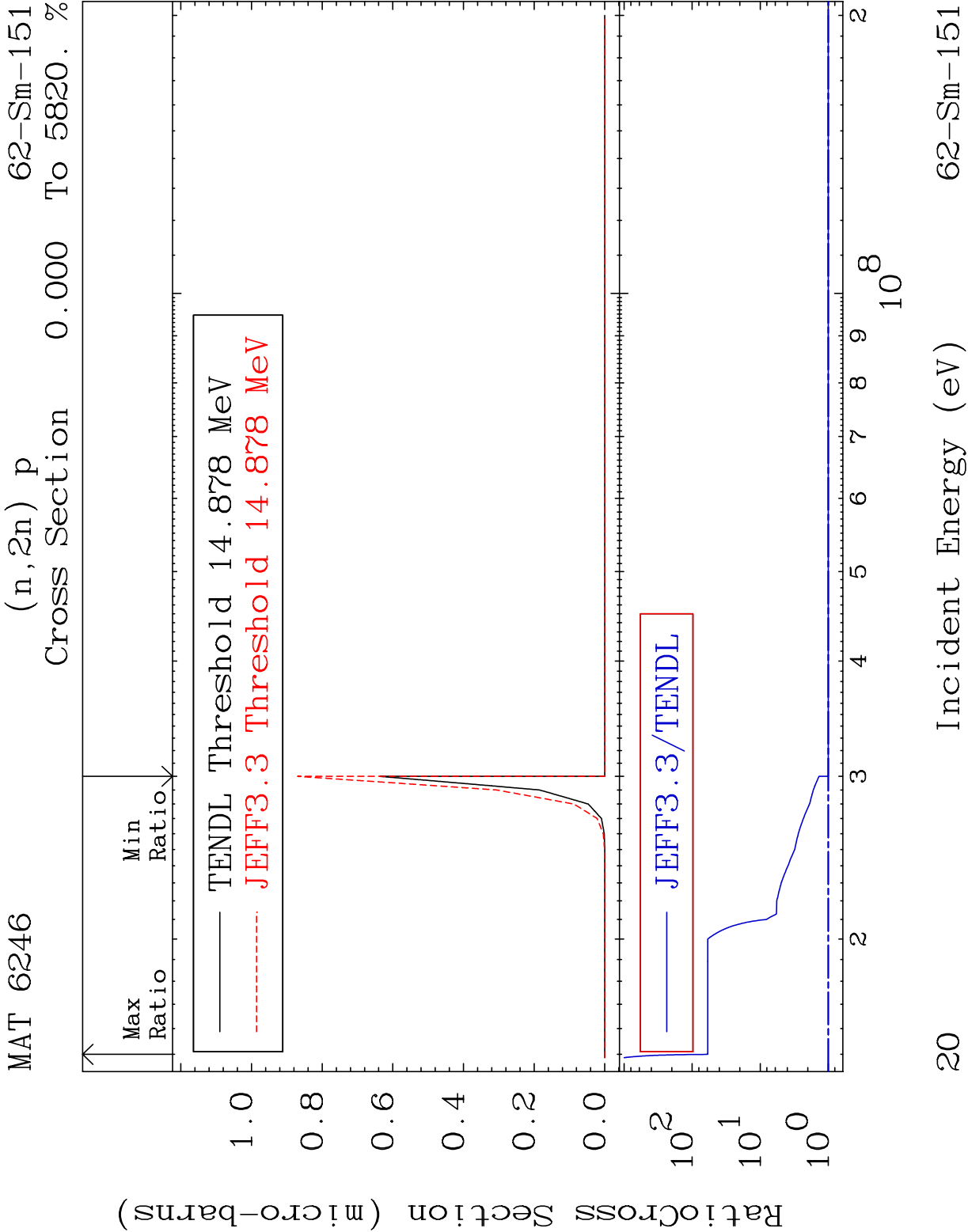


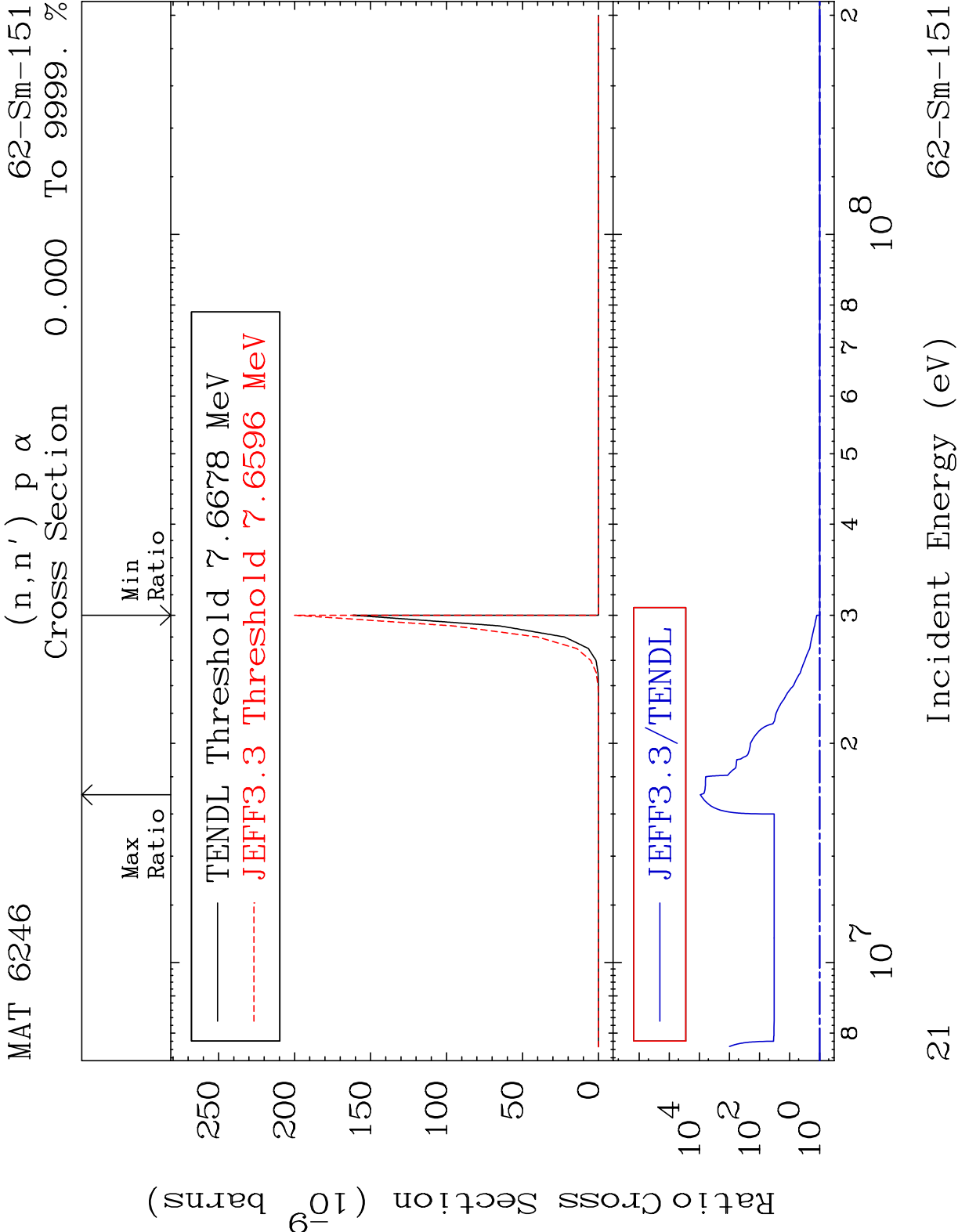


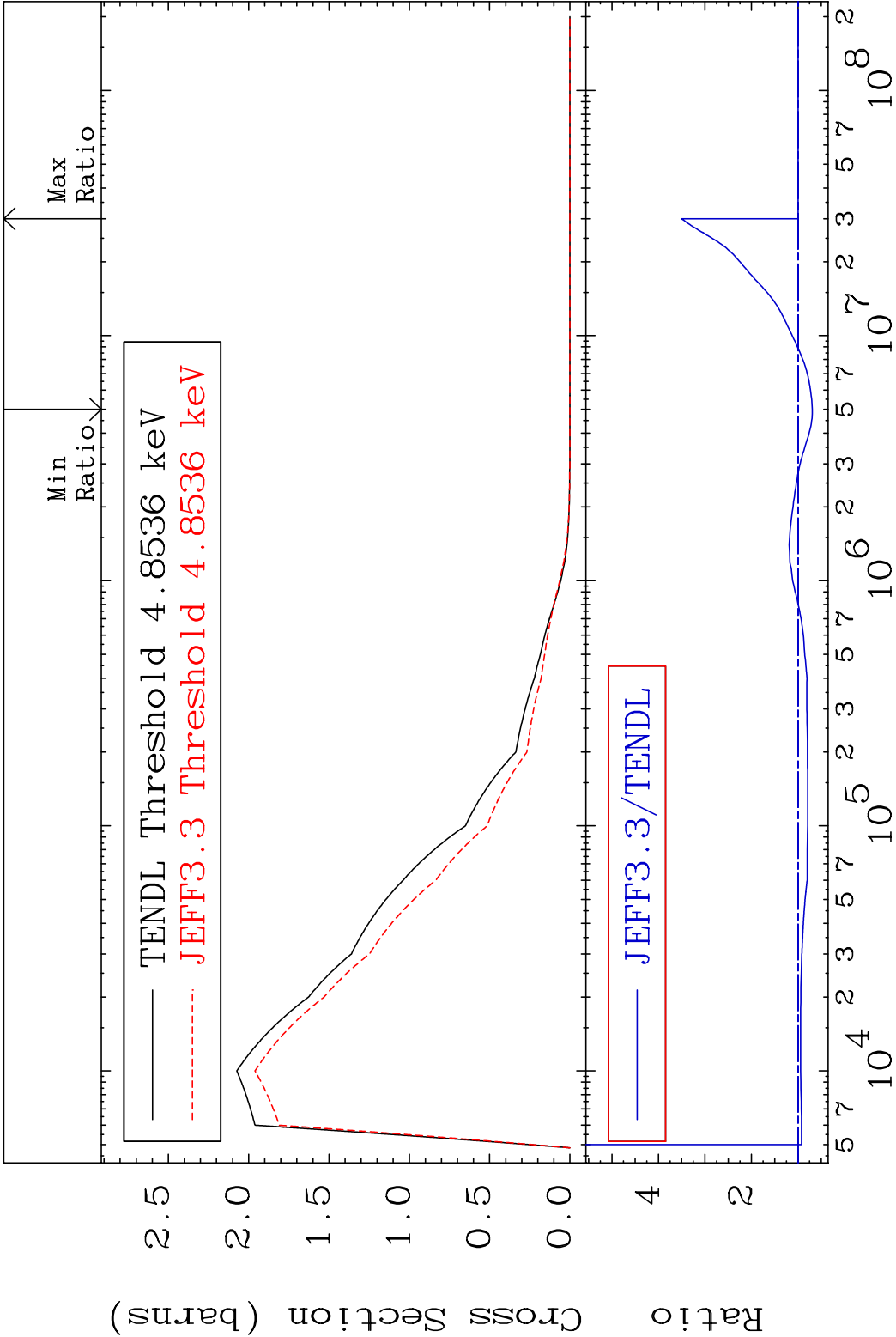


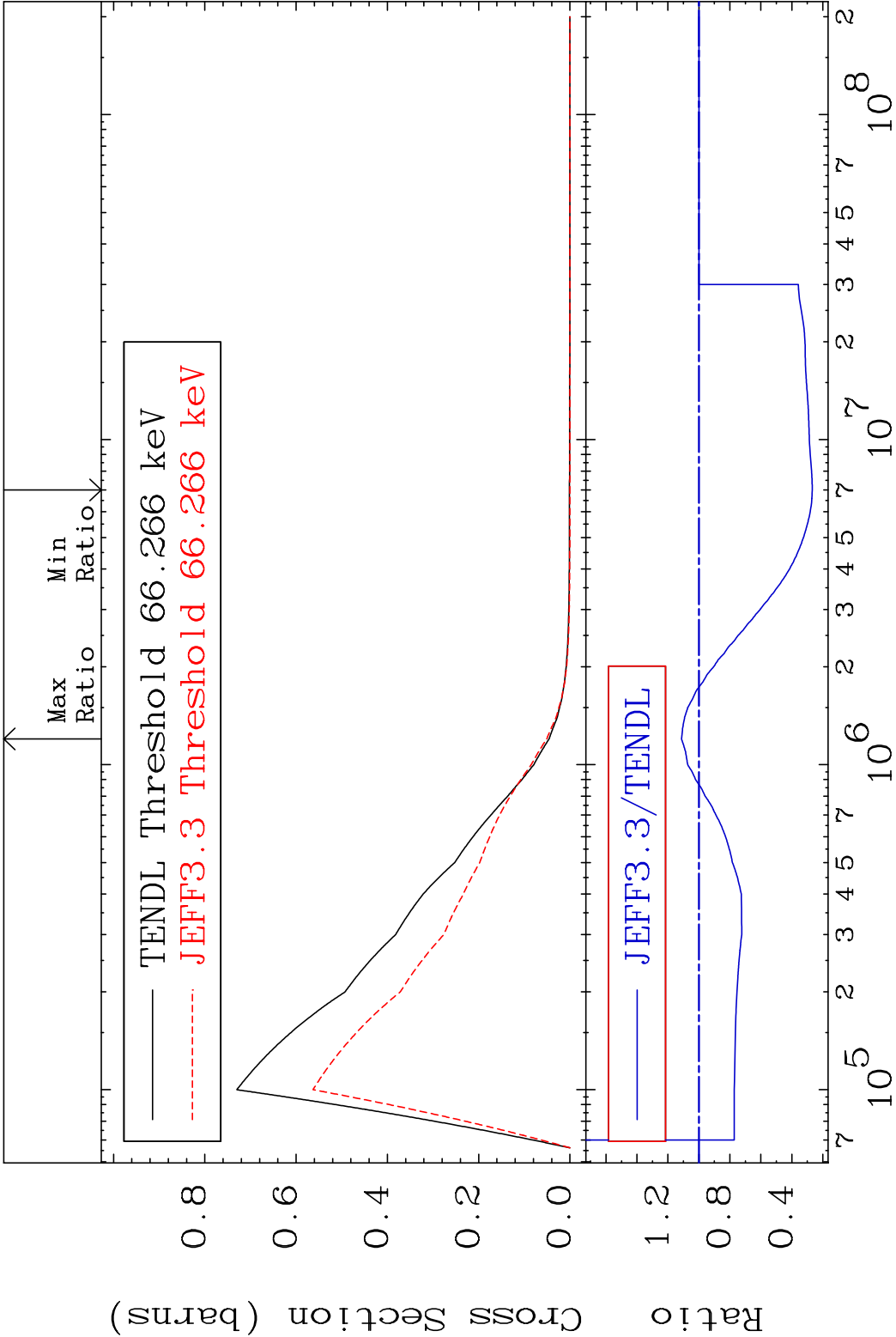




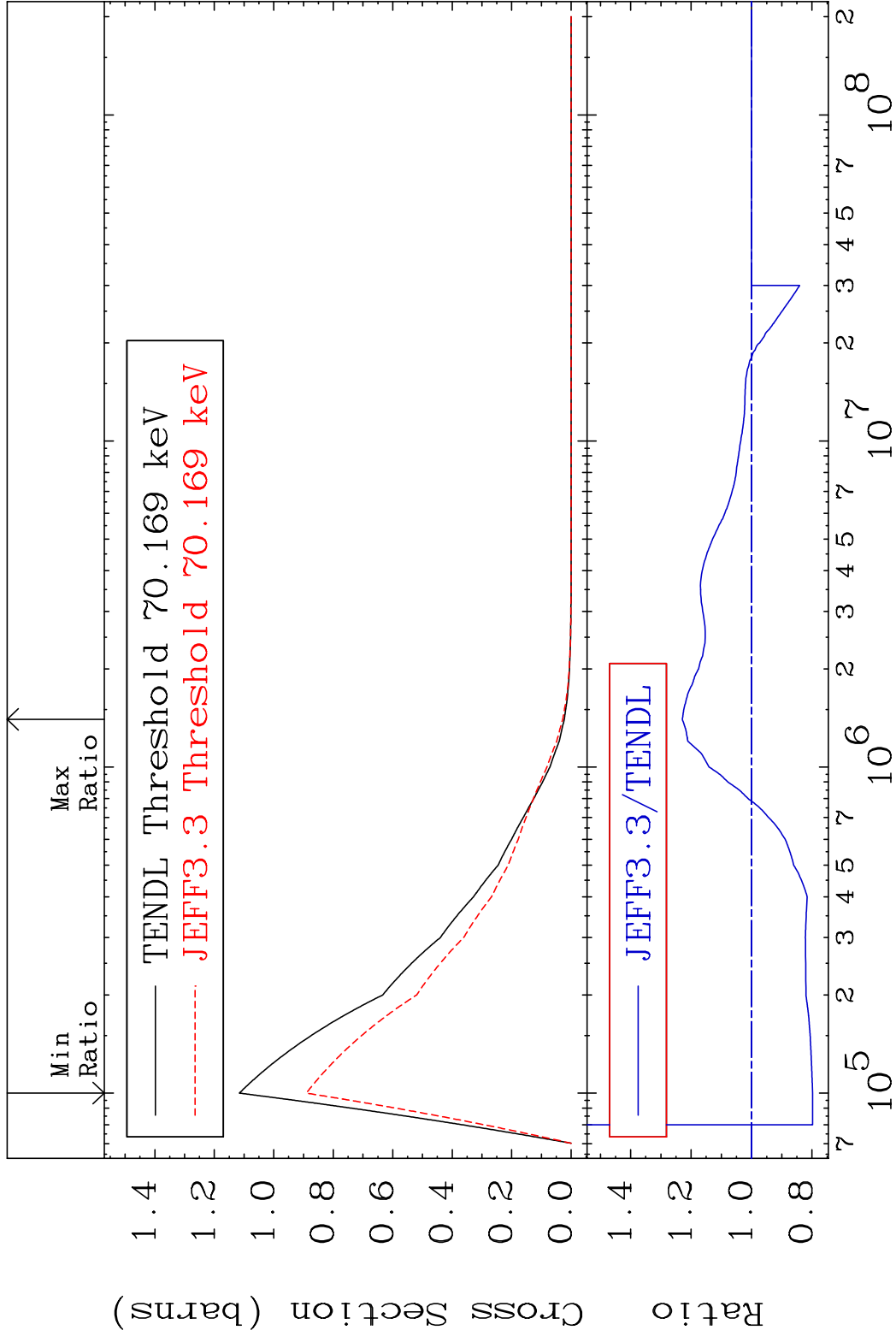








MAT 6246 MT= 53 (n,n') Level 62-Sm-151
 Cross Section -20.18 To 22.89 %



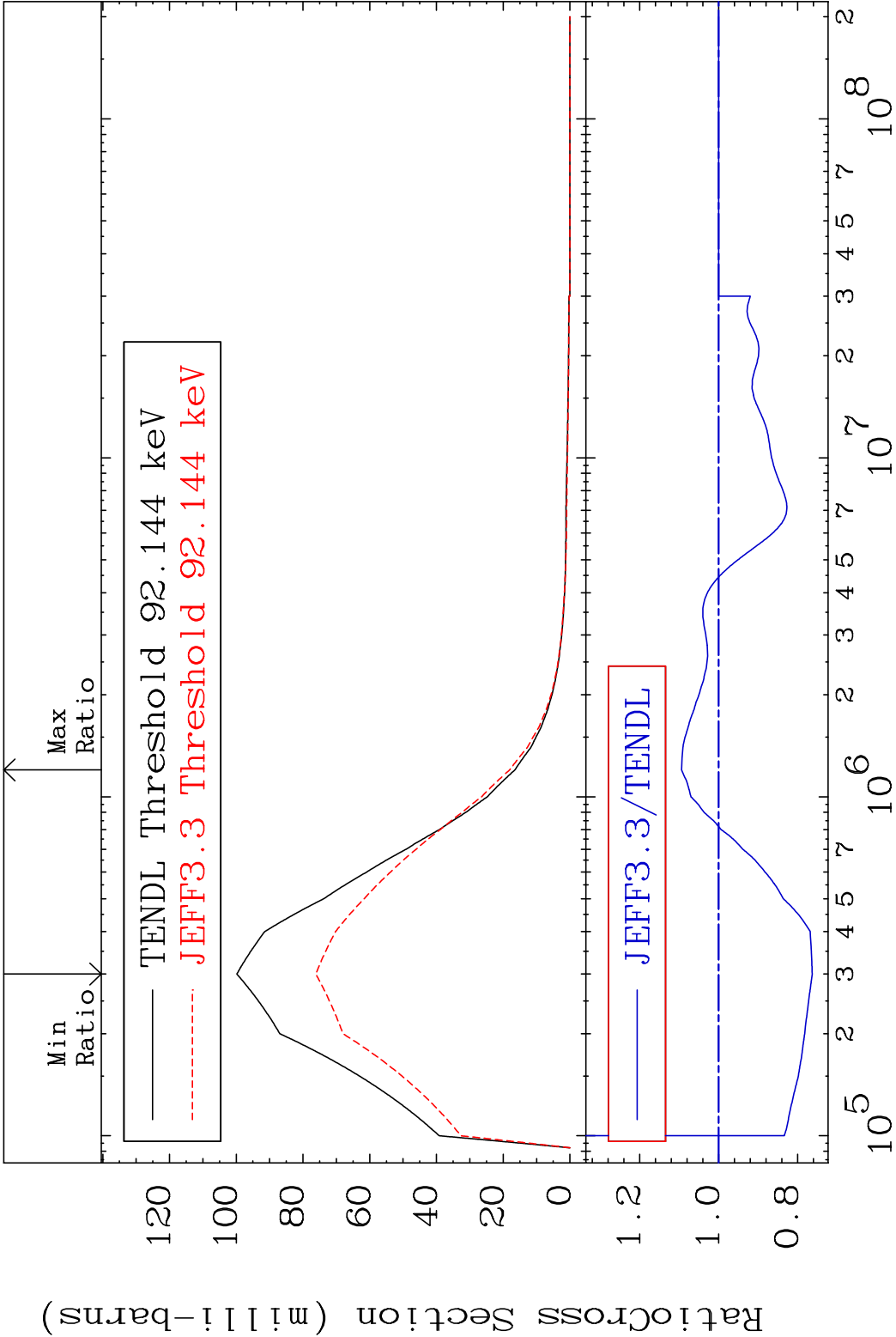
MAT 6246

MT= 54 (n,n') Level

62-Sm-151

Cross Section

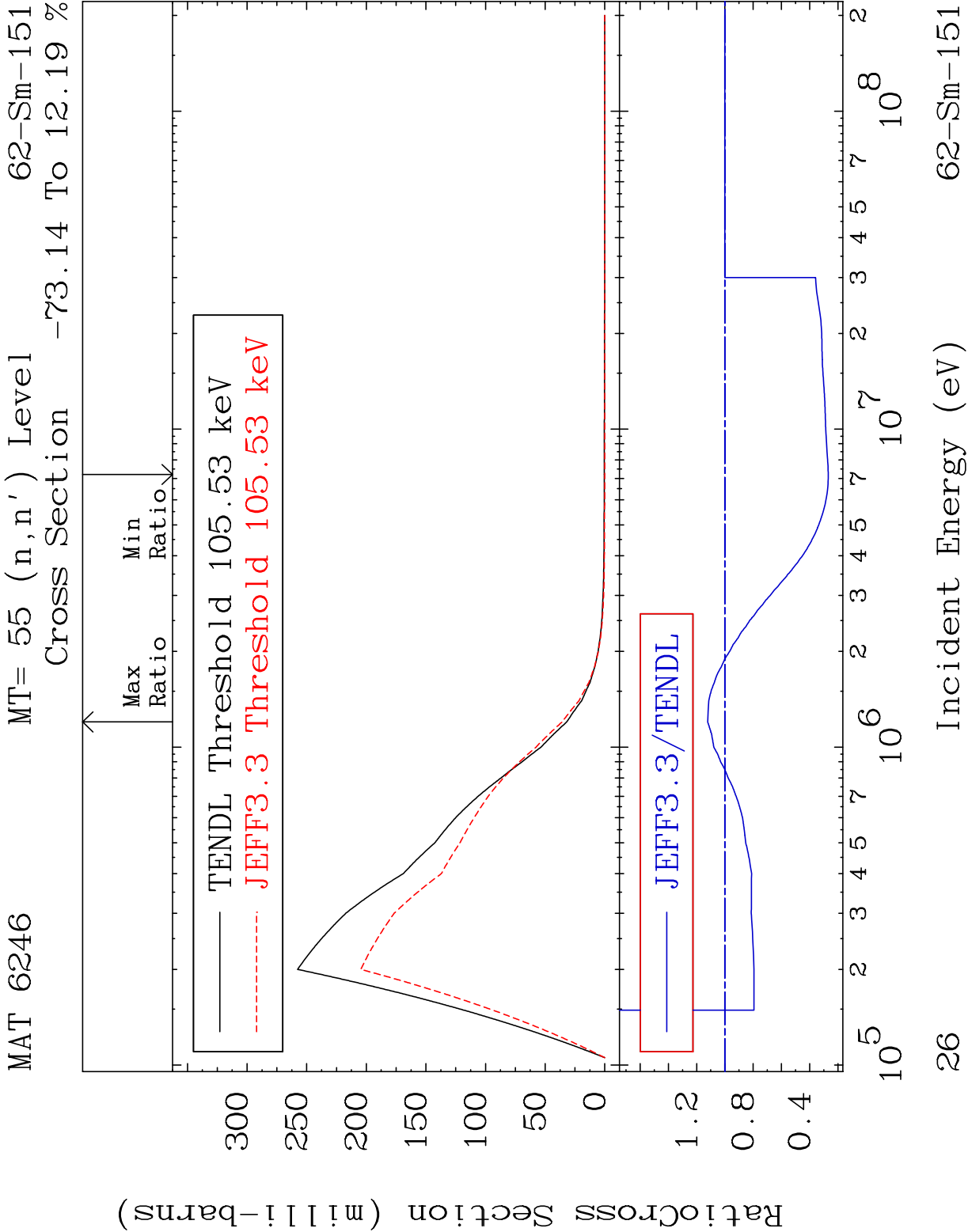
-23.71 To 9.408 %



25

Incident Energy (eV)

62-Sm-151



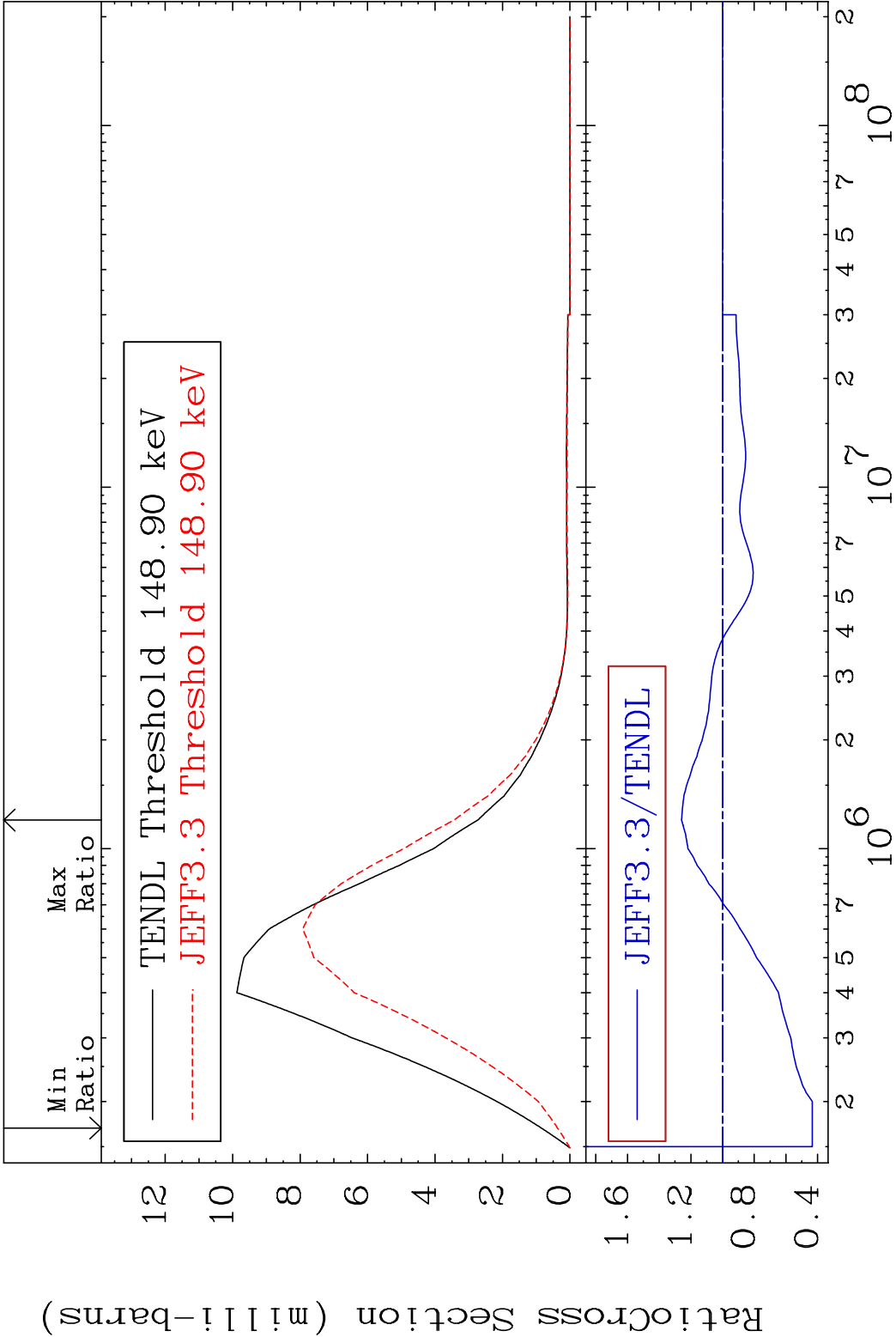
MAT 6246

MT= 56 (n,n') Level

62-Sm-151

Cross Section

-56.60 To 25.88 %



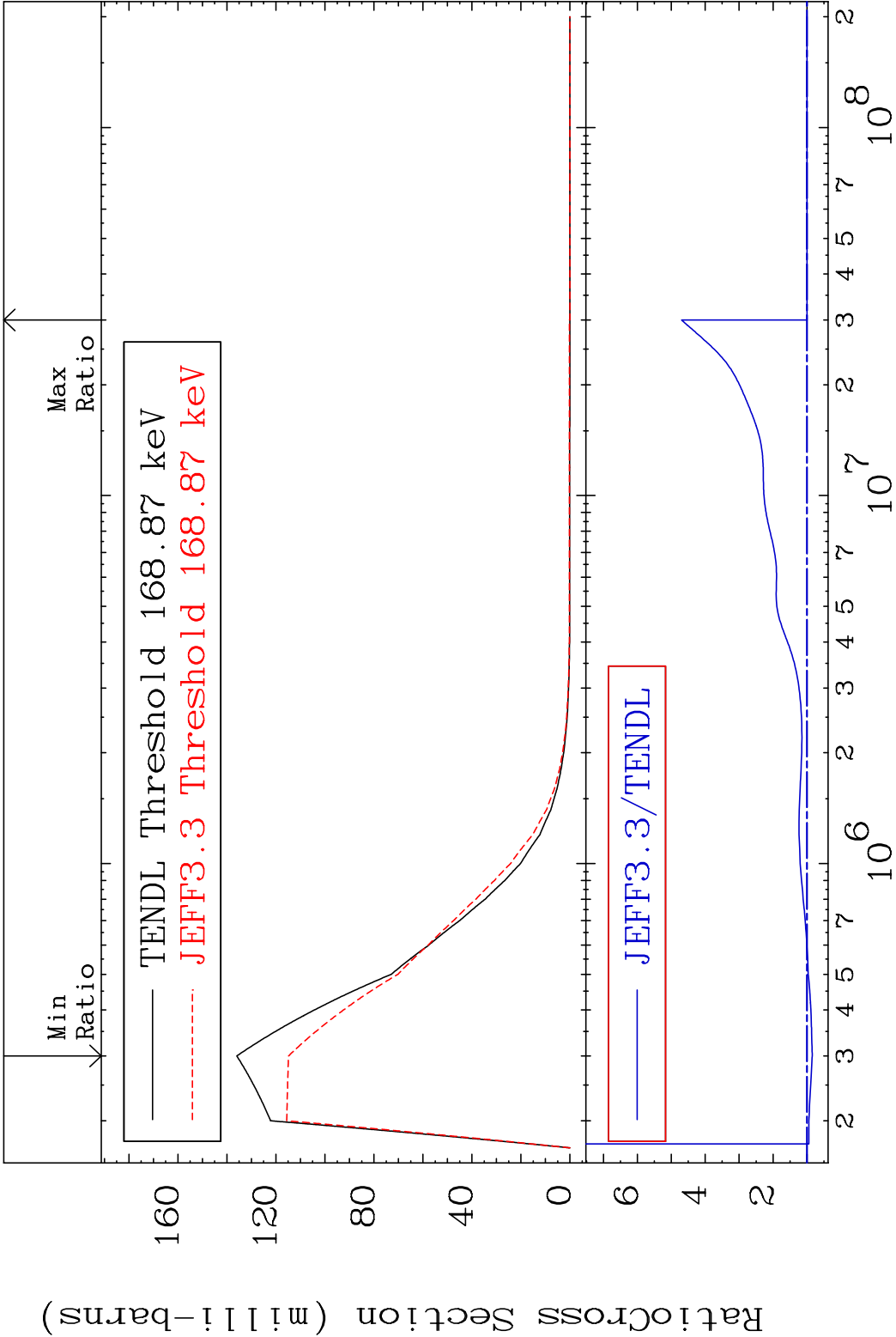
MAT 6246

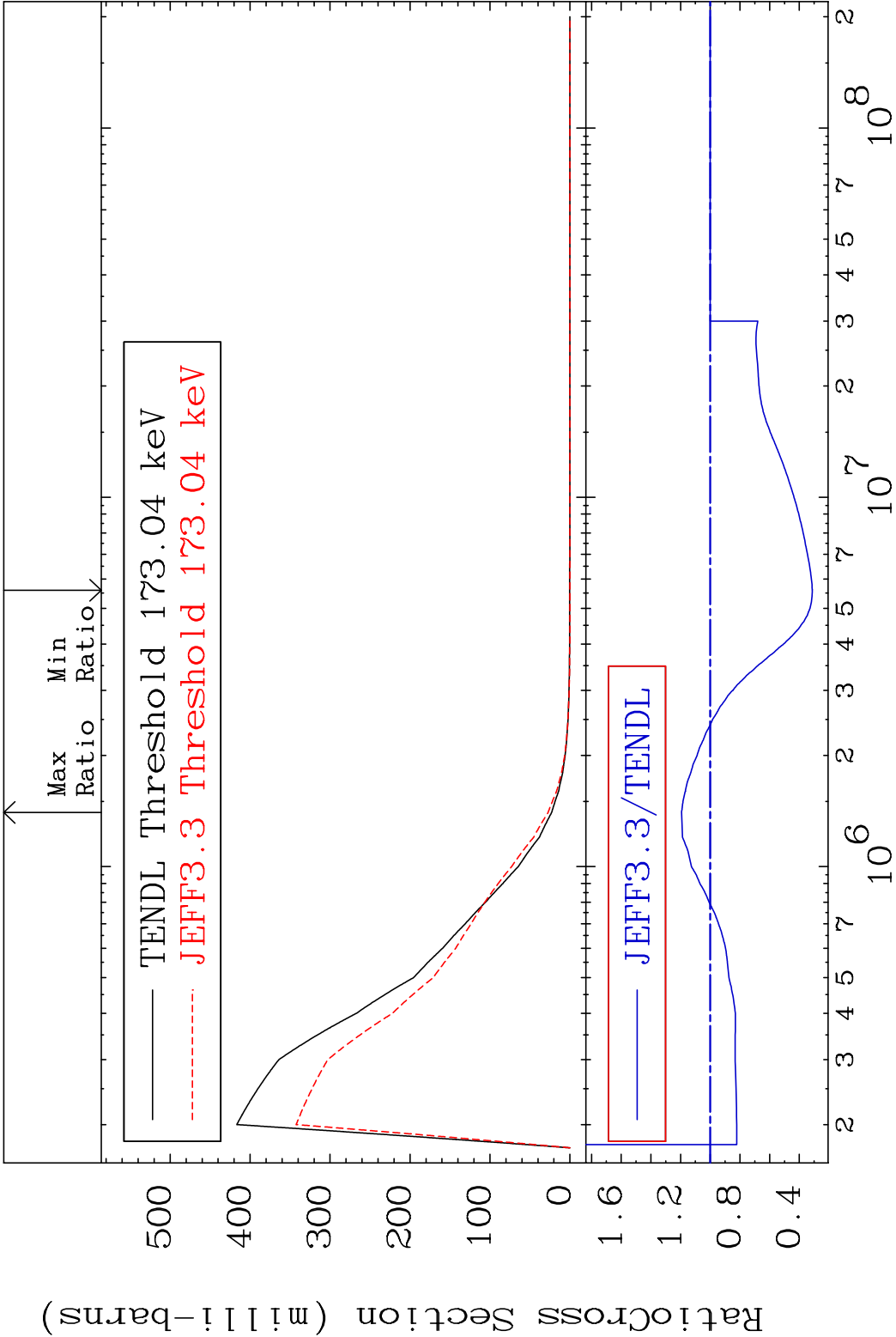
MT= 57 (n,n') Level

62-Sm-151

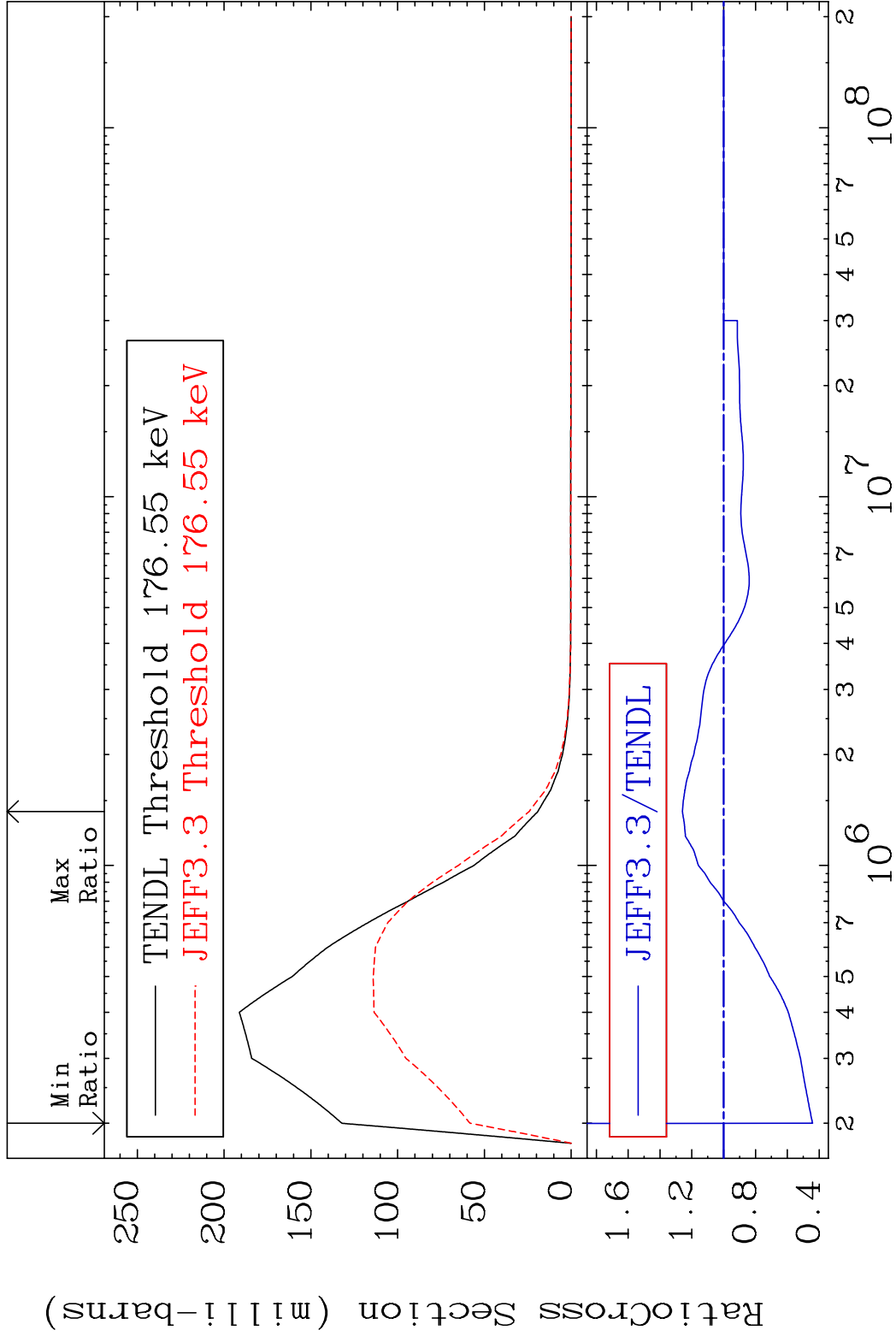
Cross Section

-15.52 To 369.8 %





MAT 6246 MT= 59 (n,n') Level 62-Sm-151
Cross Section -55.86 To 25.96 %

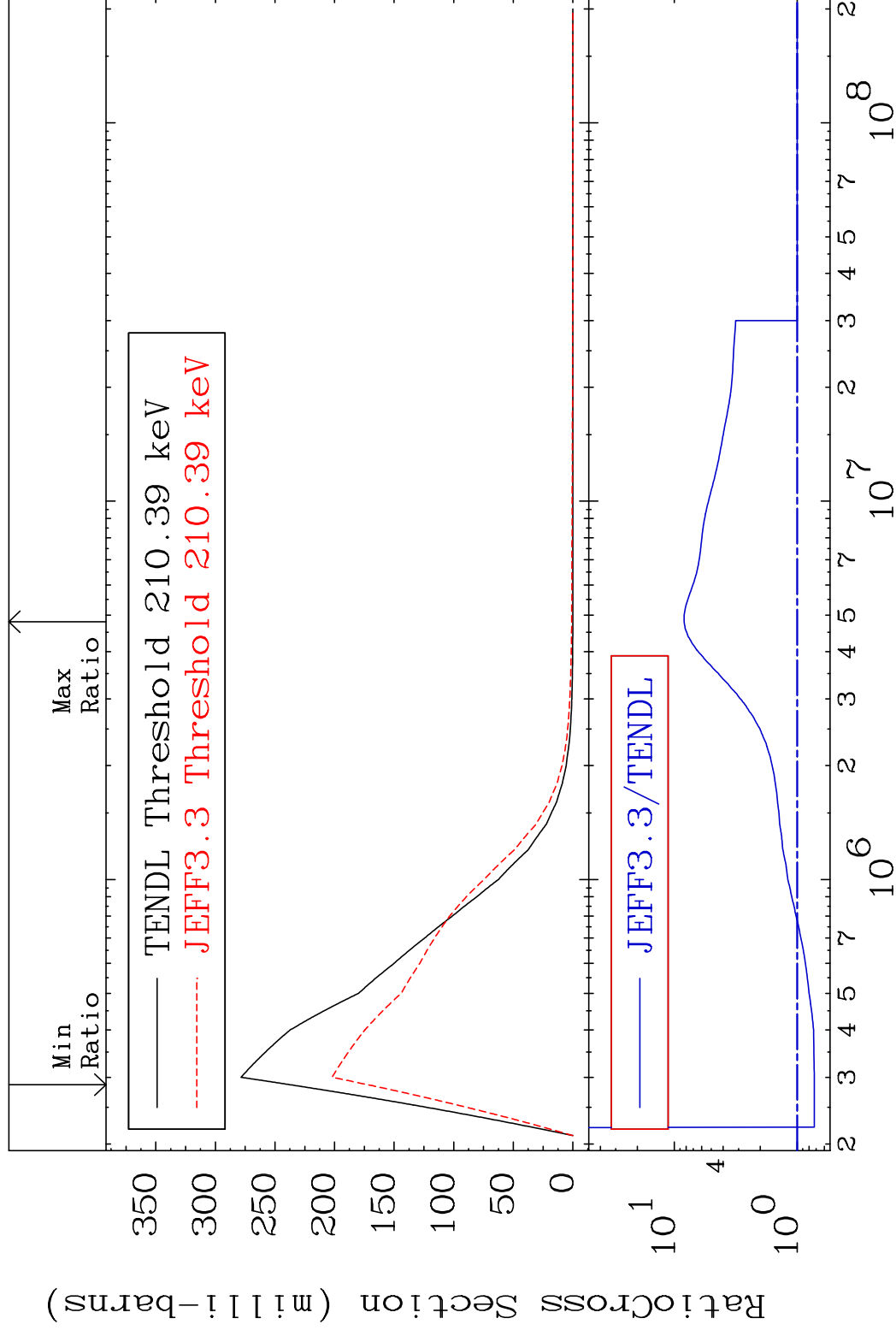


MAT 6246

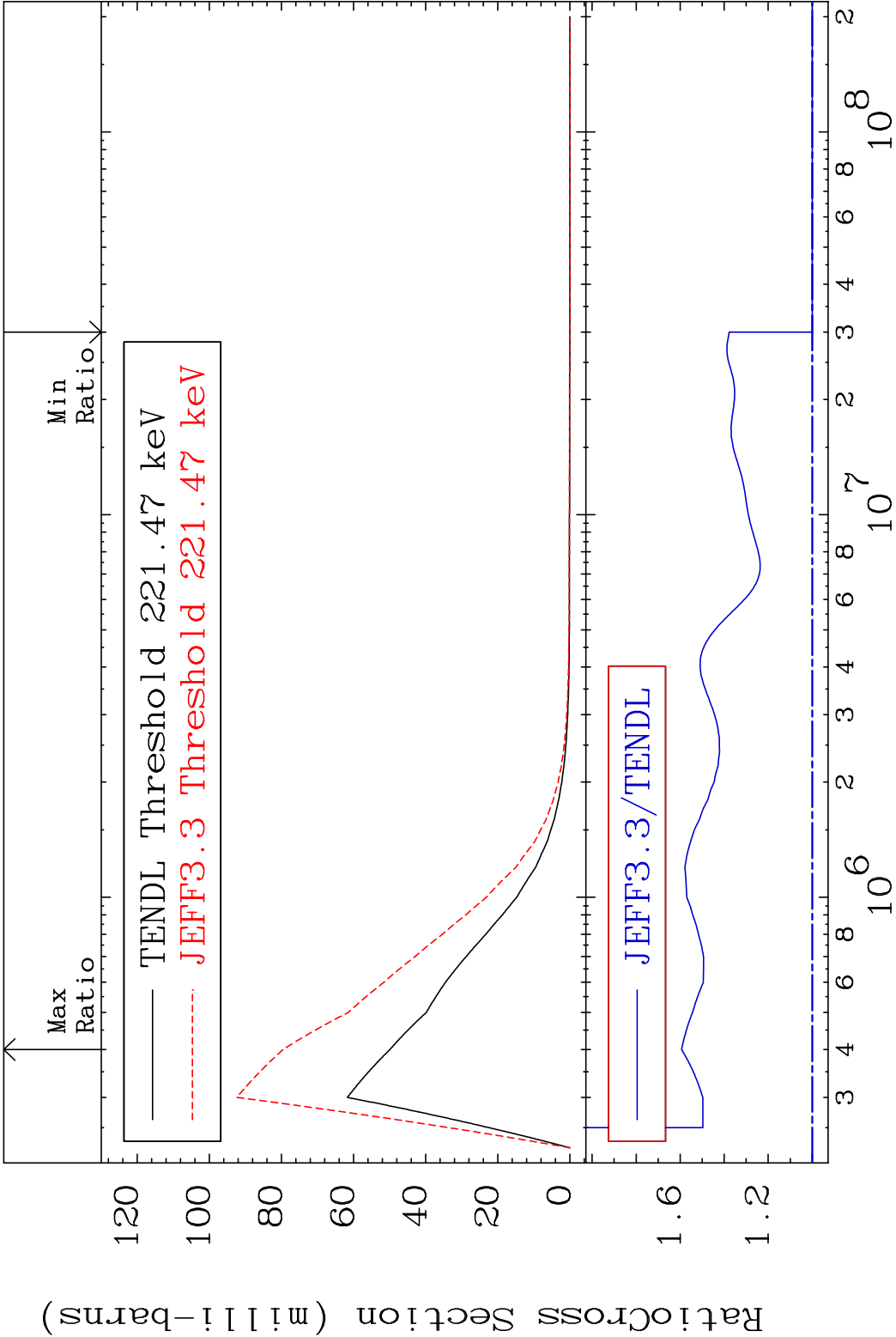
MT= 60 (n, n') Level

62-Sm-151

Cross Section -27.43 To 732.7 %



MAT 6246 MT= 61 (n,n') Level 62-Sm-151
 Cross Section 0.000 To 59.38 %



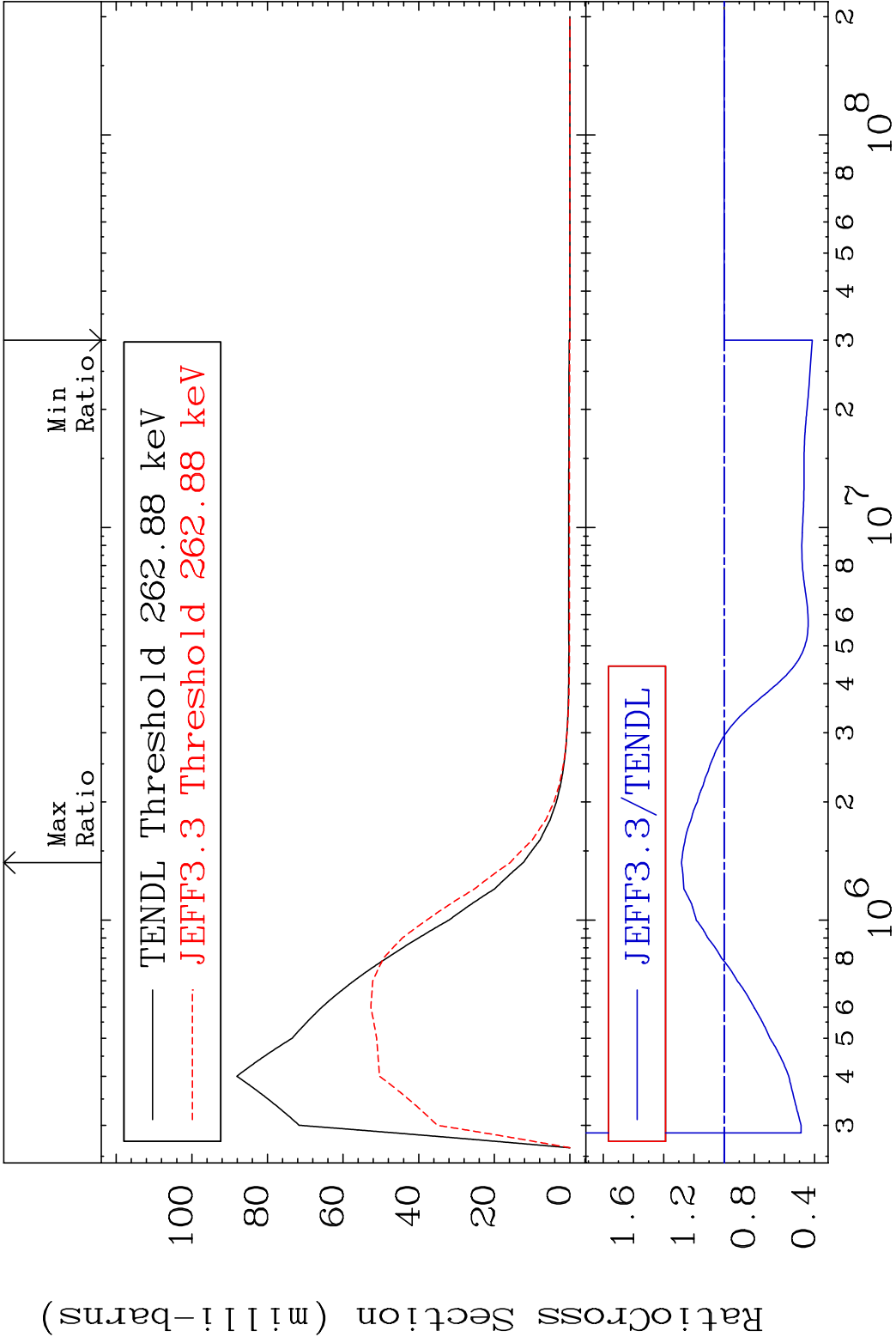
MAT 6246

MT= 62 (n,n') Level

62-Sm-151

Cross Section

-58.42 To 28.20 %



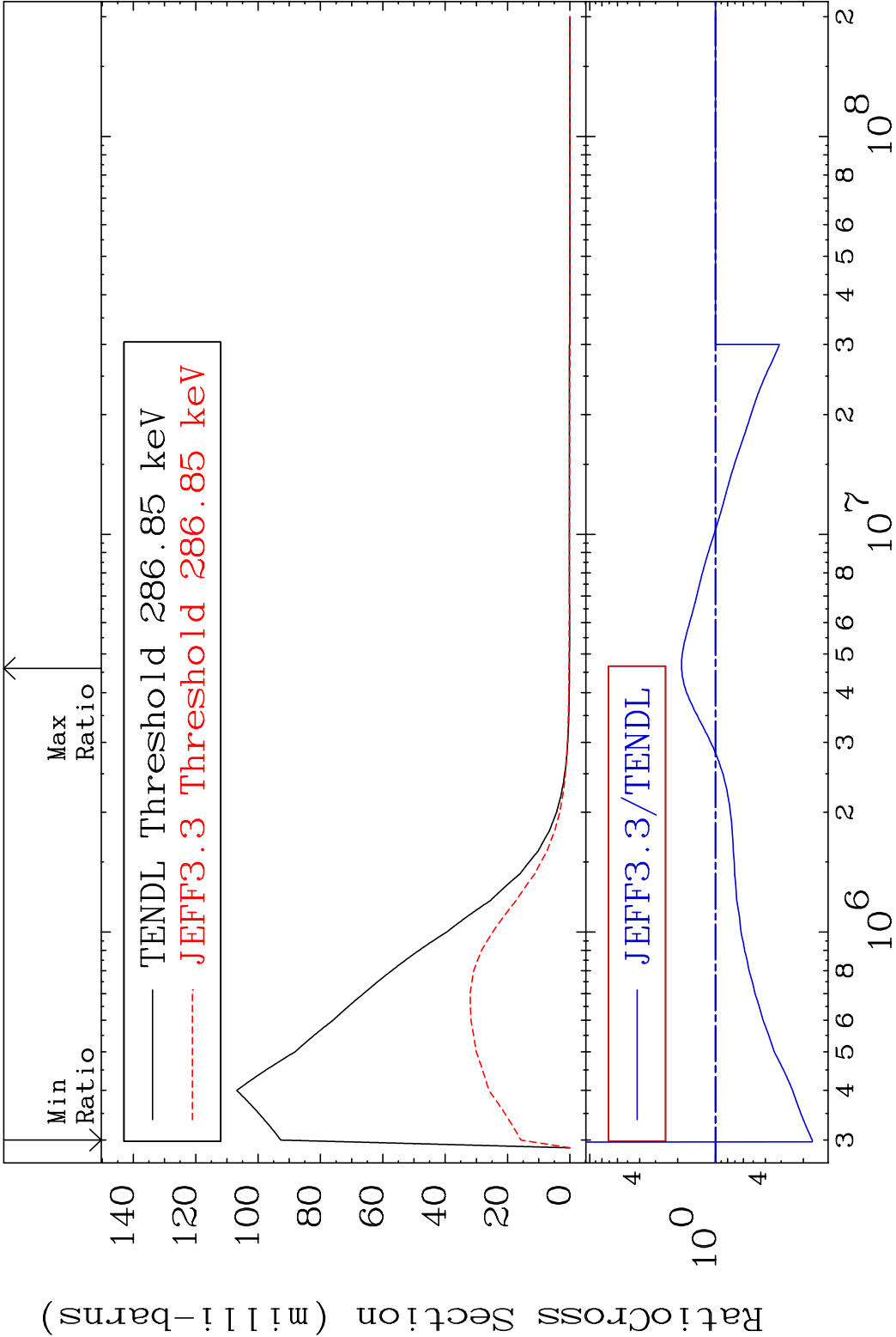
MAT 6246

MT= 63 (n,n') Level

62-Sm-151

Cross Section

-83.02 To 85.98 %



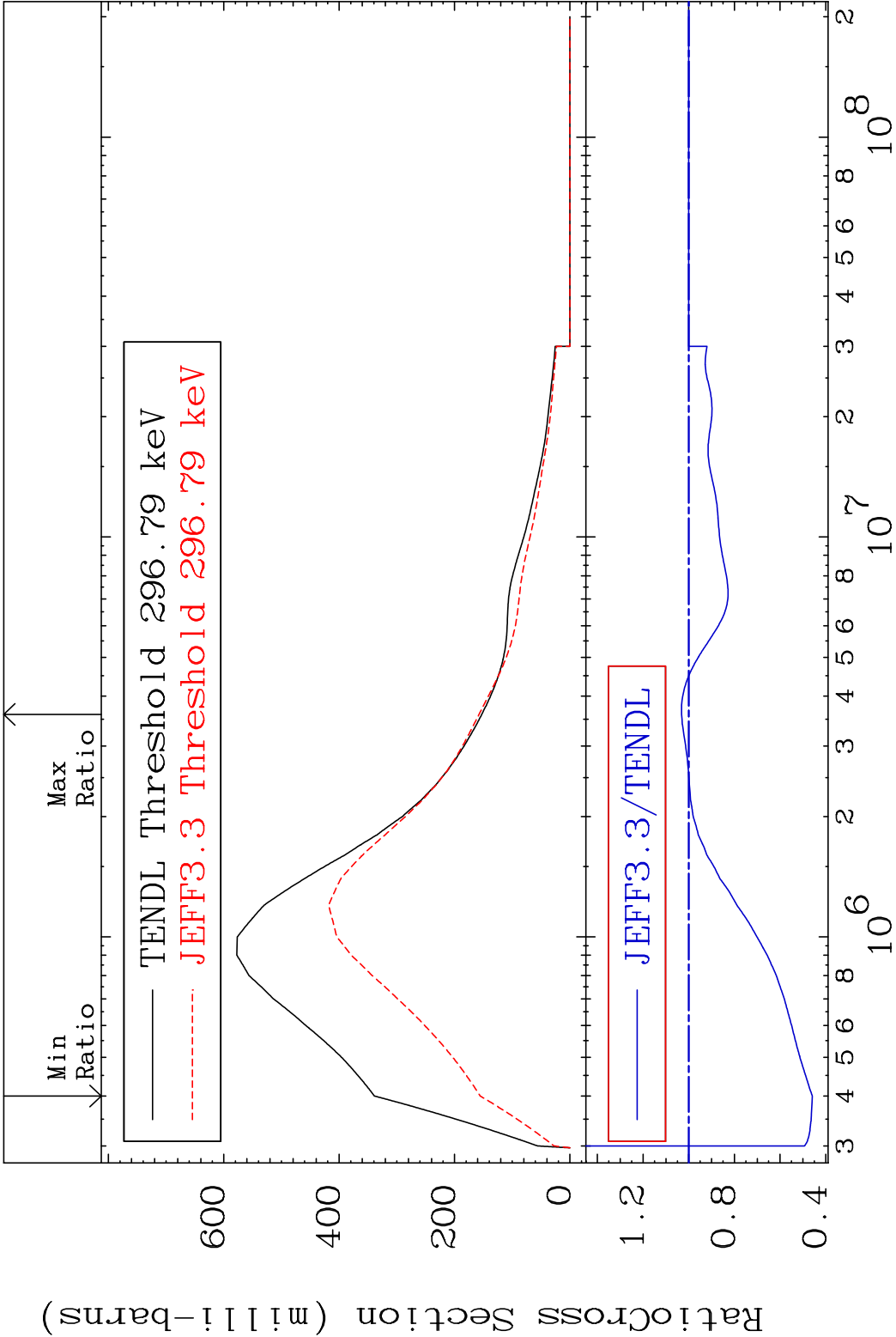
MAT 6246

MT= 64 (n,n') Level

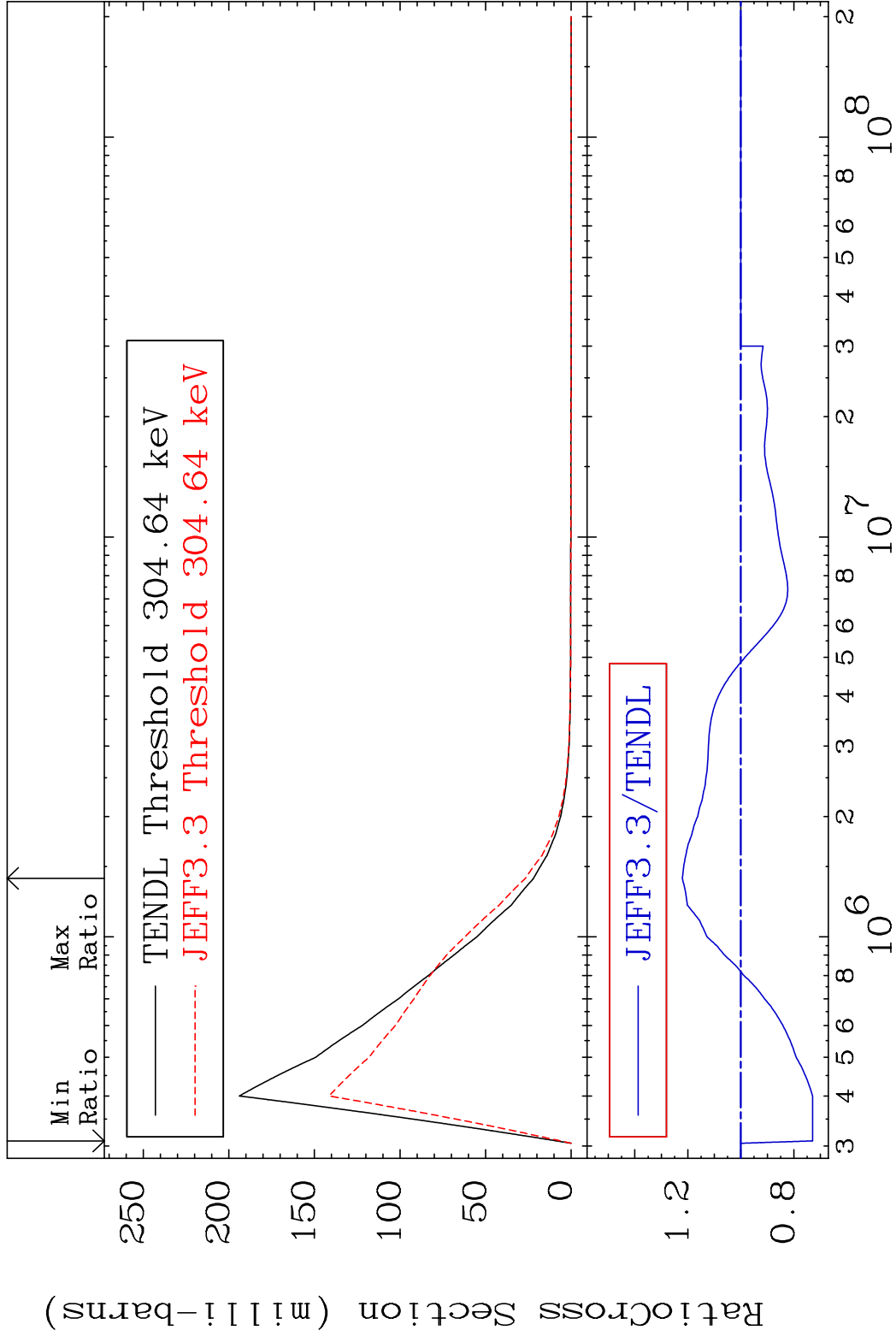
62-Sm-151

Cross Section

-54.08 To 3.165 %



MAT 6246 MT= 65 (n,n') Level 62-Sm-151
Cross Section -27.05 To 22.07 %



MAT 6246

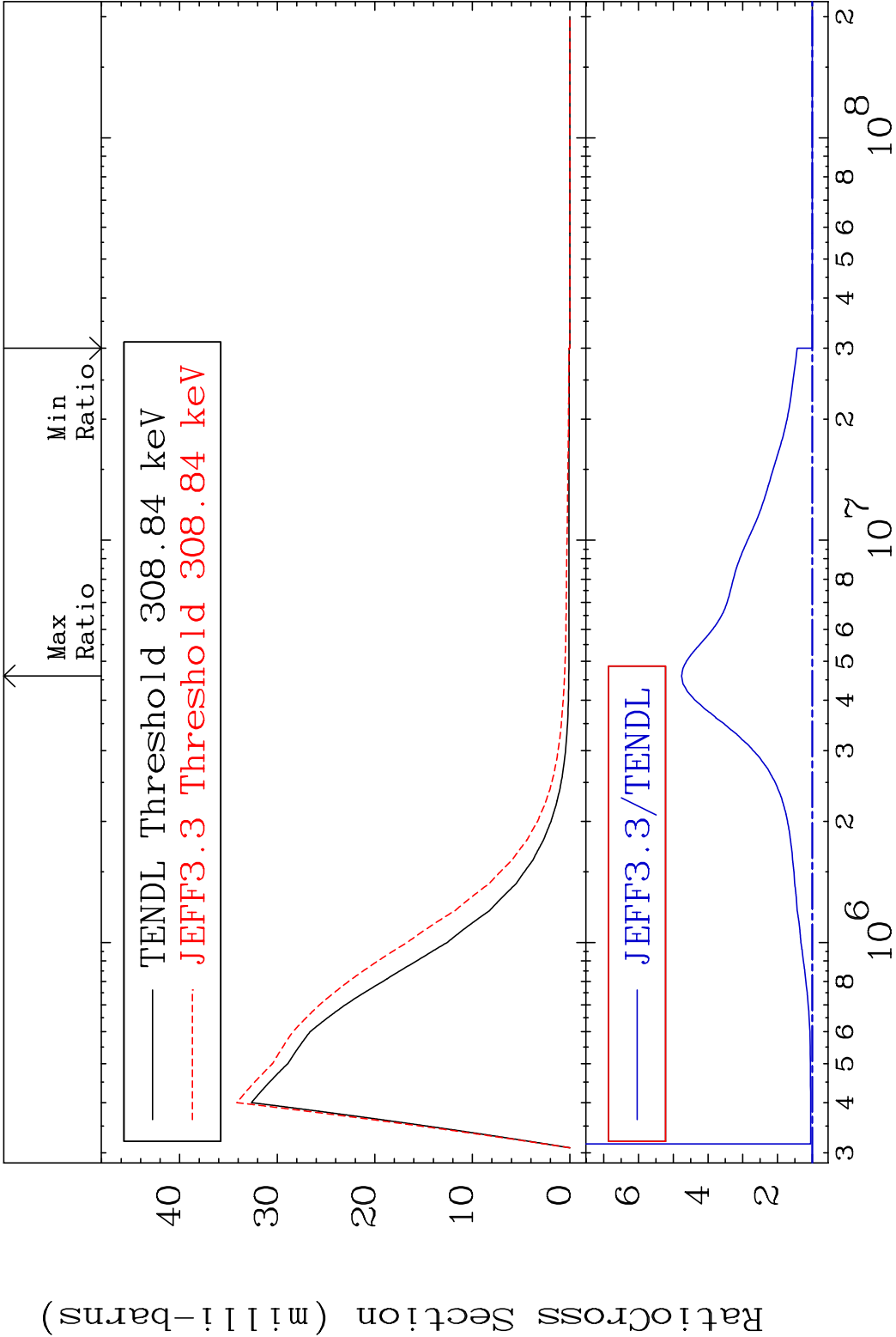
MT= 66 (n,n') Level

62-Sm-151

Cross Section

0.000

To 376.2 %



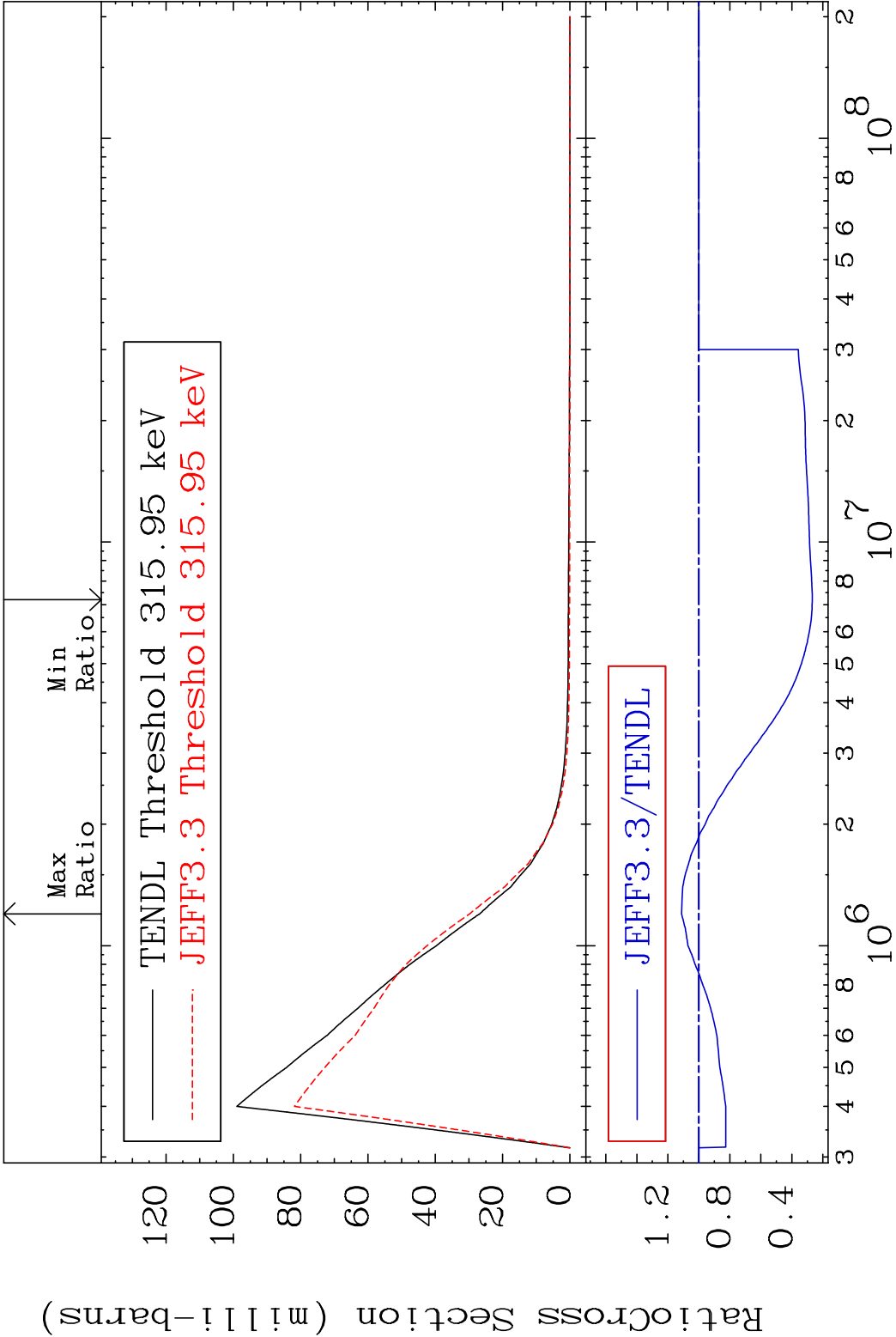
MAT 6246

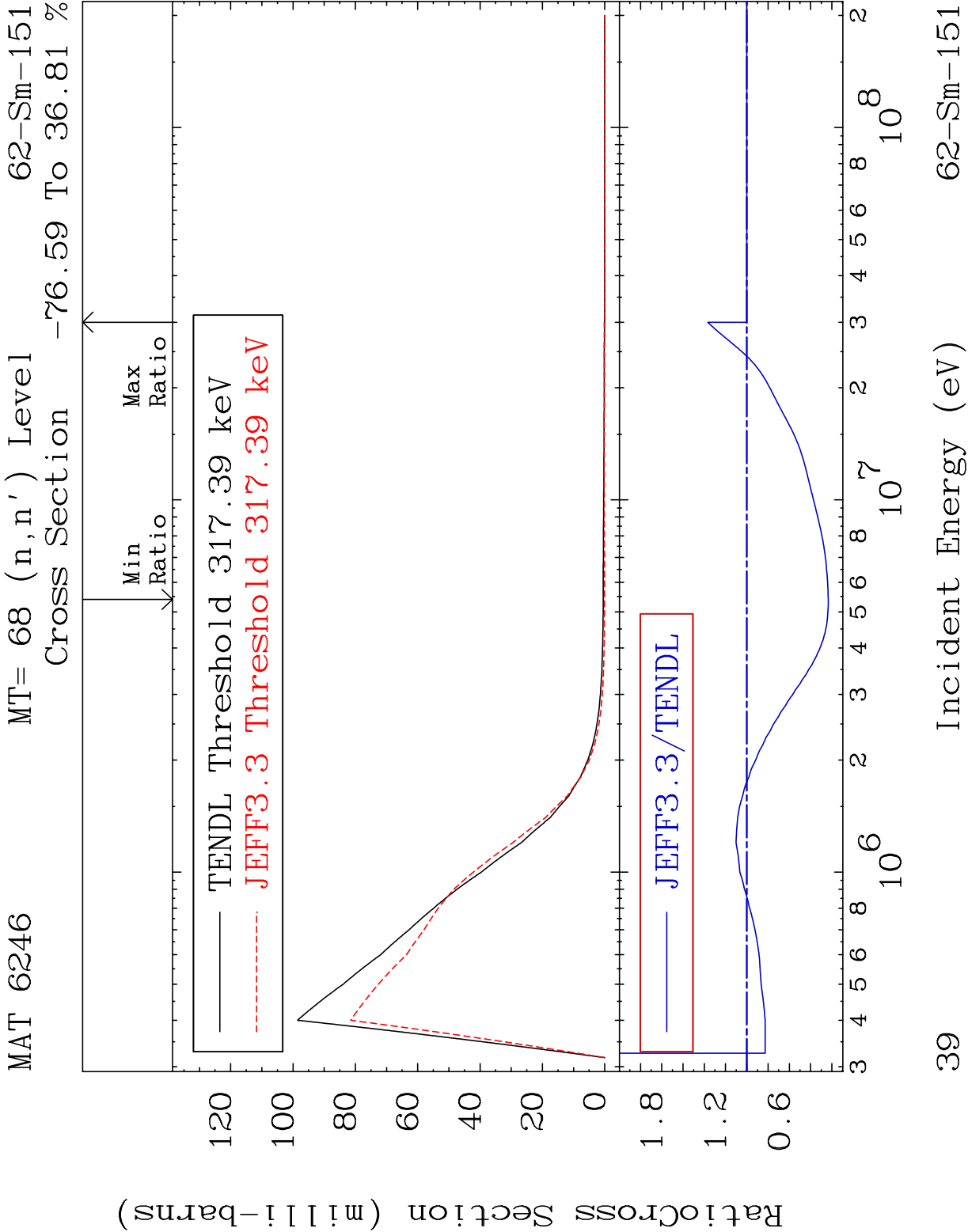
MT= 67 (n,n') Level

62-Sm-151

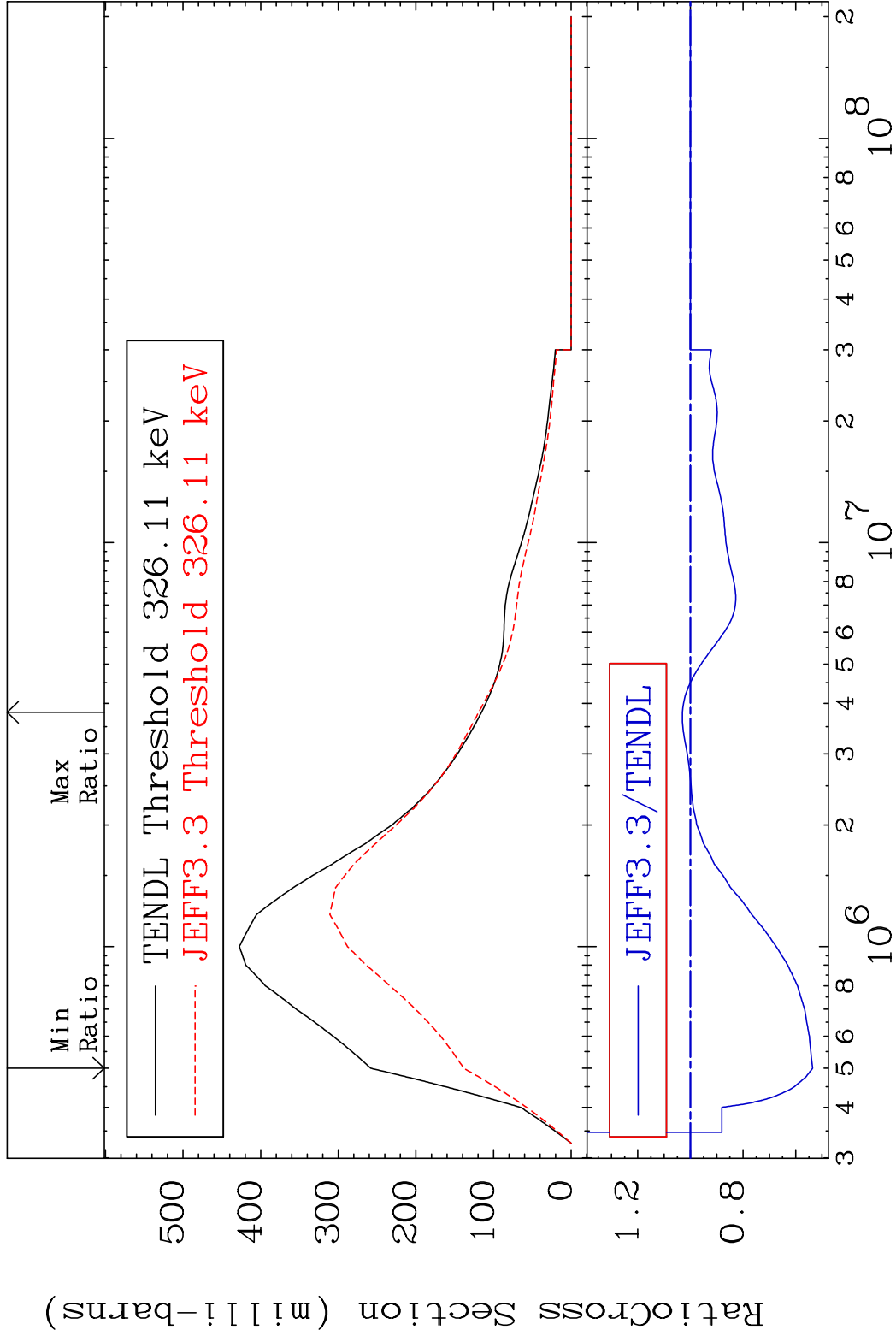
Cross Section

-73.13 To 11.17 %



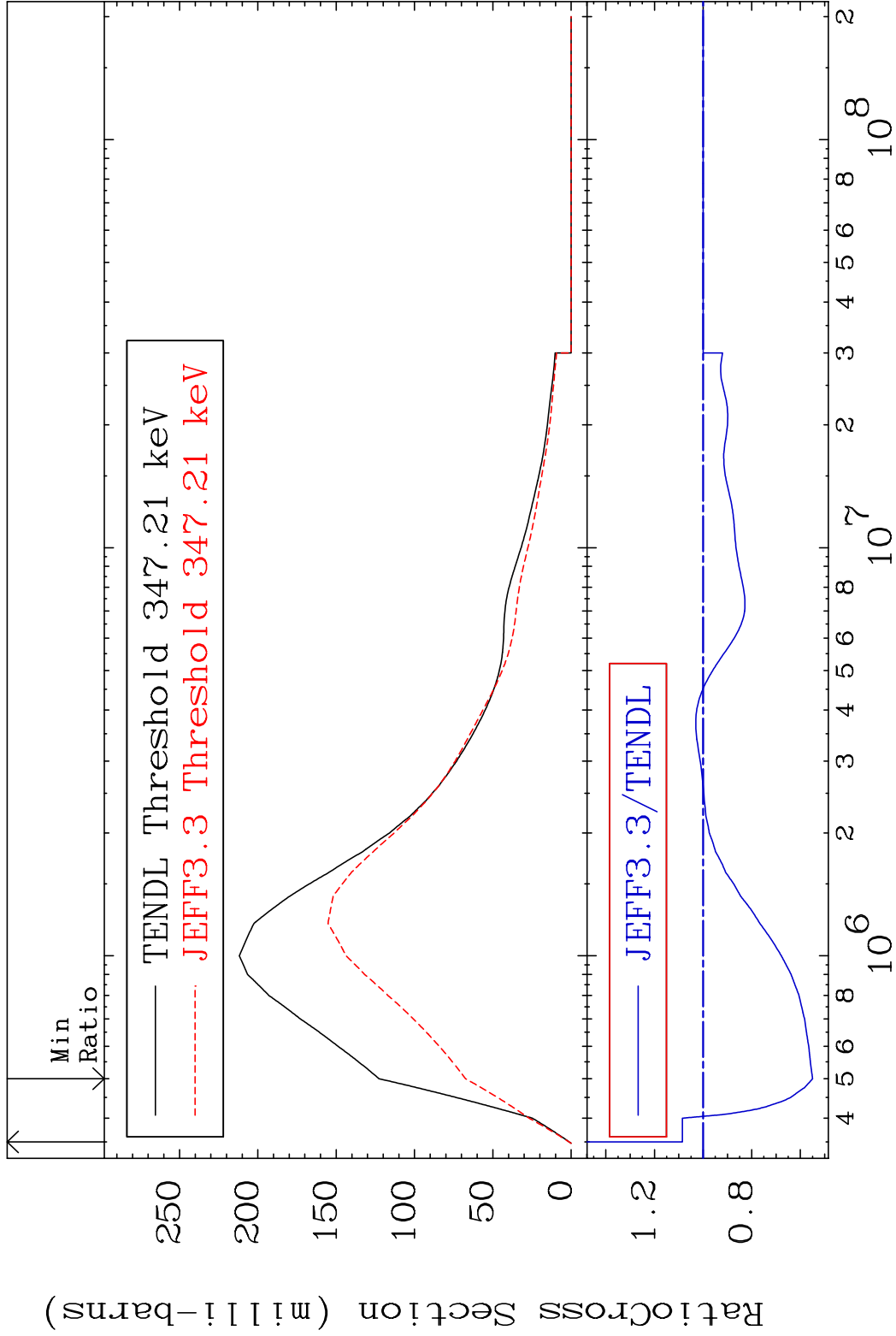


MAT 6246 MT= 69 (n,n') Level 62-Sm-151
Cross Section -46.39 To 3.071 %

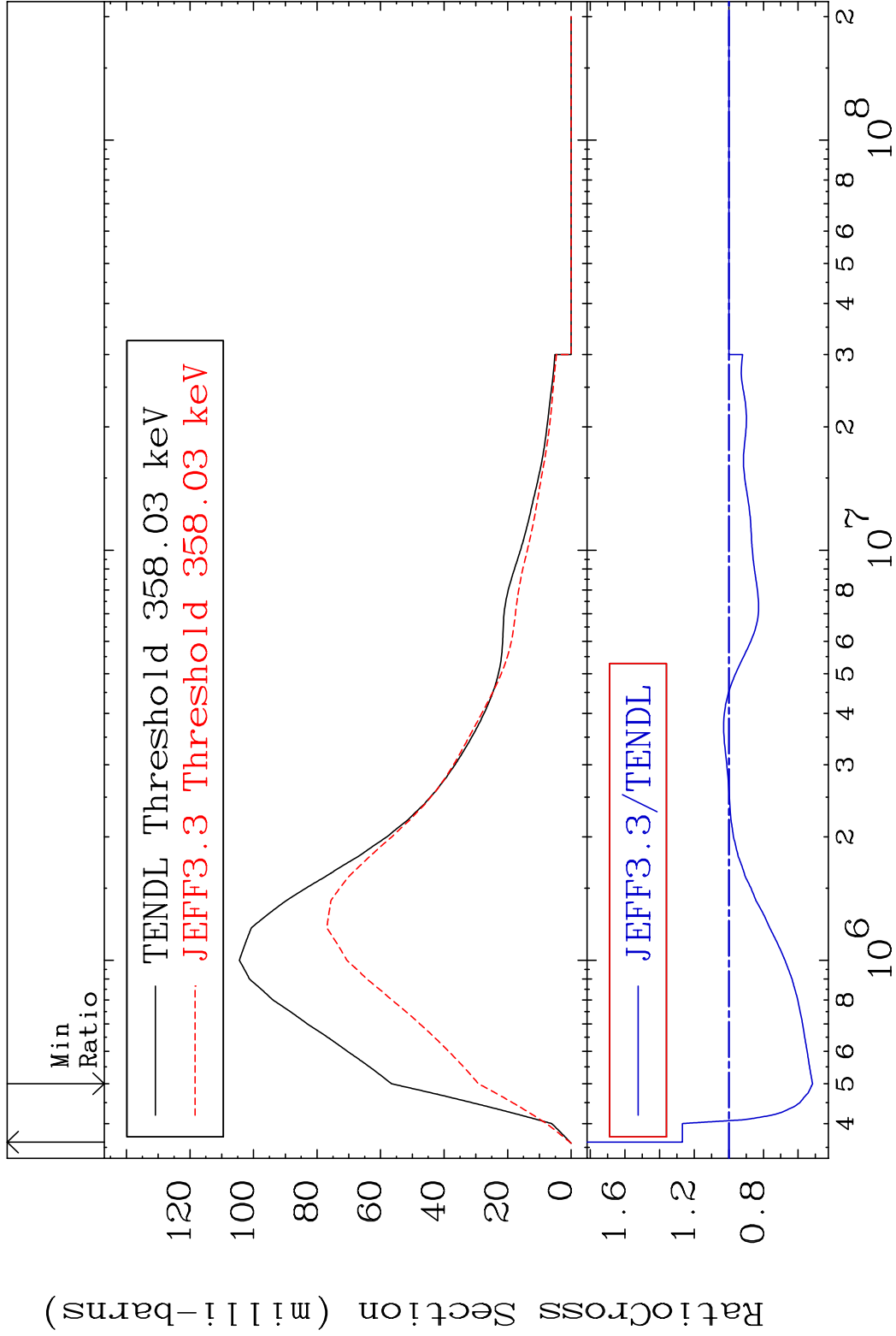


40 Incident Energy (eV) 62-Sm-151

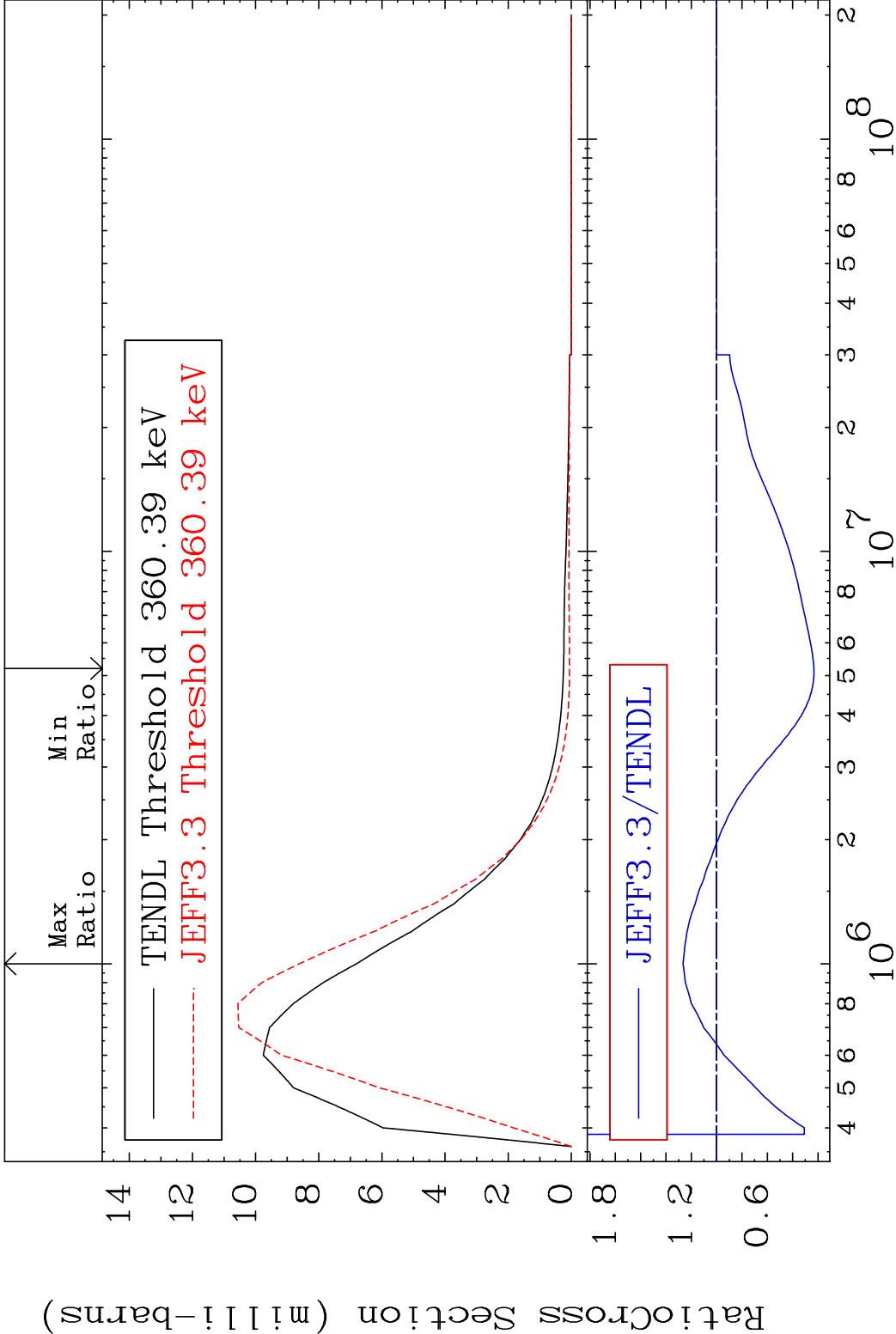
MAT 6246 MT= 70 (n,n') Level 62-Sm-151
Cross Section -45.01 To 8.541 %



MAT 6246 MT= 71 (n,n') Level 62-Sm-151
Cross Section -48.36 To 26.85 %



MAT 6246 MT= 72 (n,n') Level 62-Sm-151
Cross Section -76.75 To 26.51 %



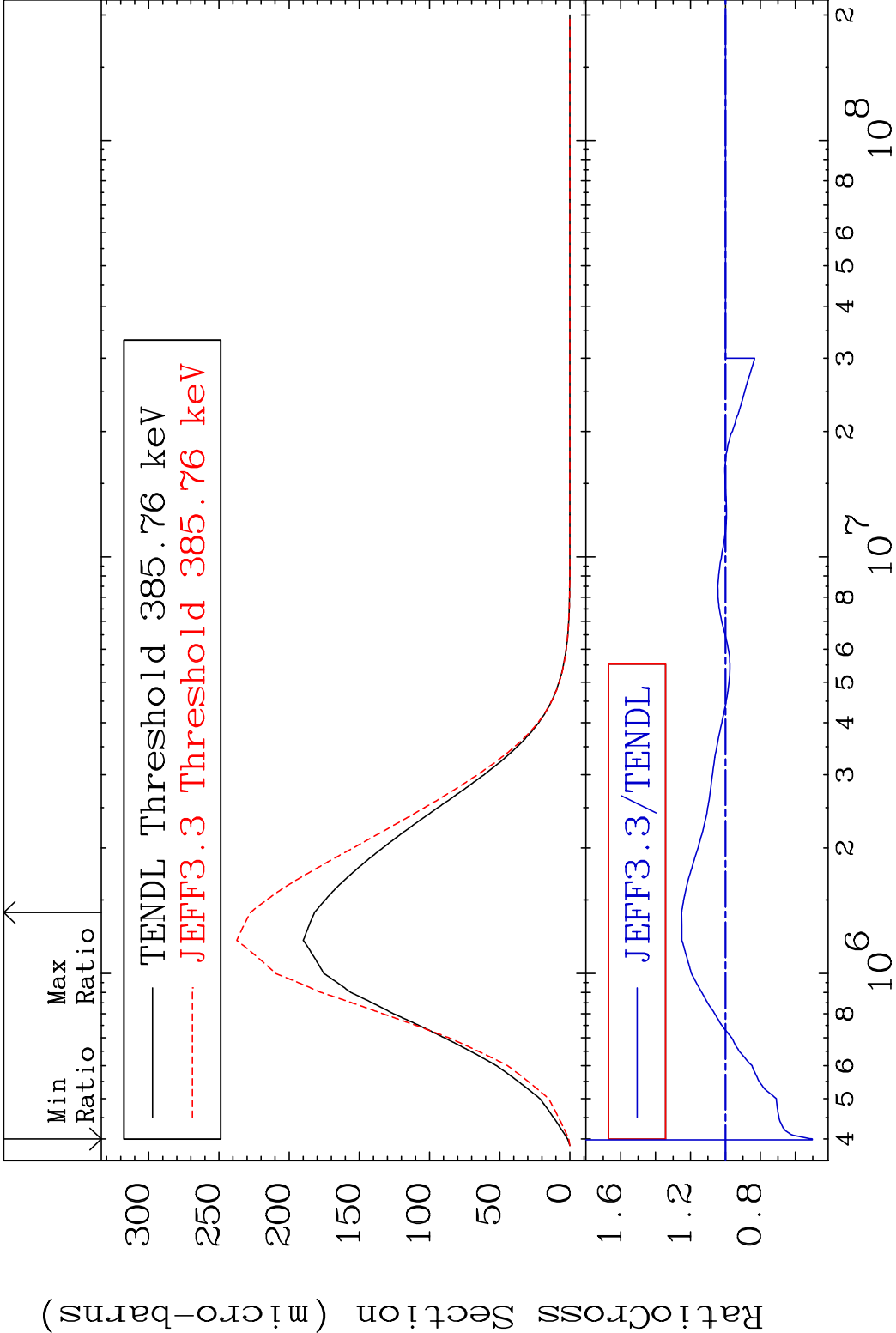
MAT 6246

MT= 73 (n,n') Level

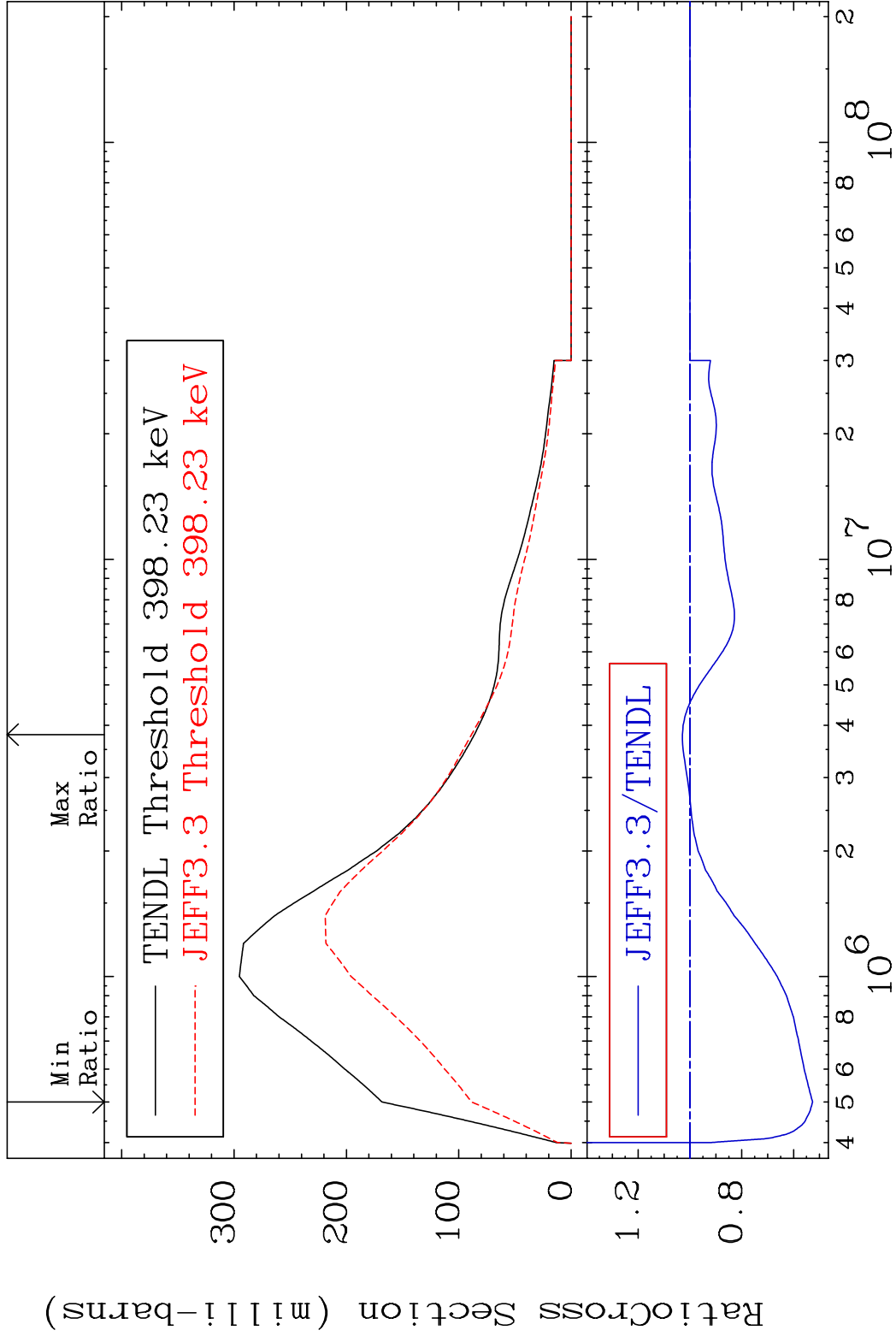
62-Sm-151

Cross Section

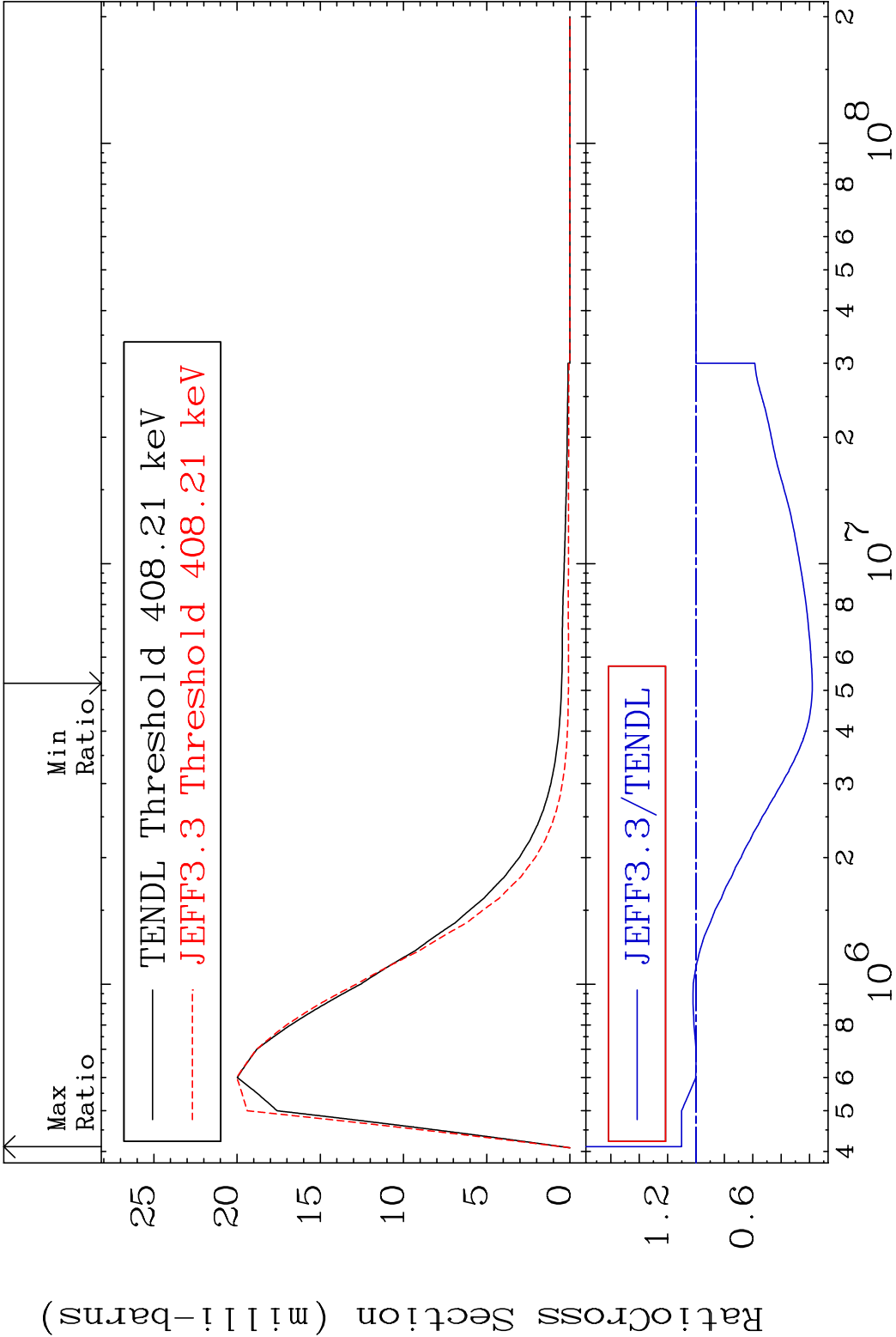
-49.67 To 25.15 %



MAT 6246 MT= 74 (n,n') Level 62-Sm-151
Cross Section -47.33 To 2.945 %



45 Incident Energy (eV) 62-Sm-151



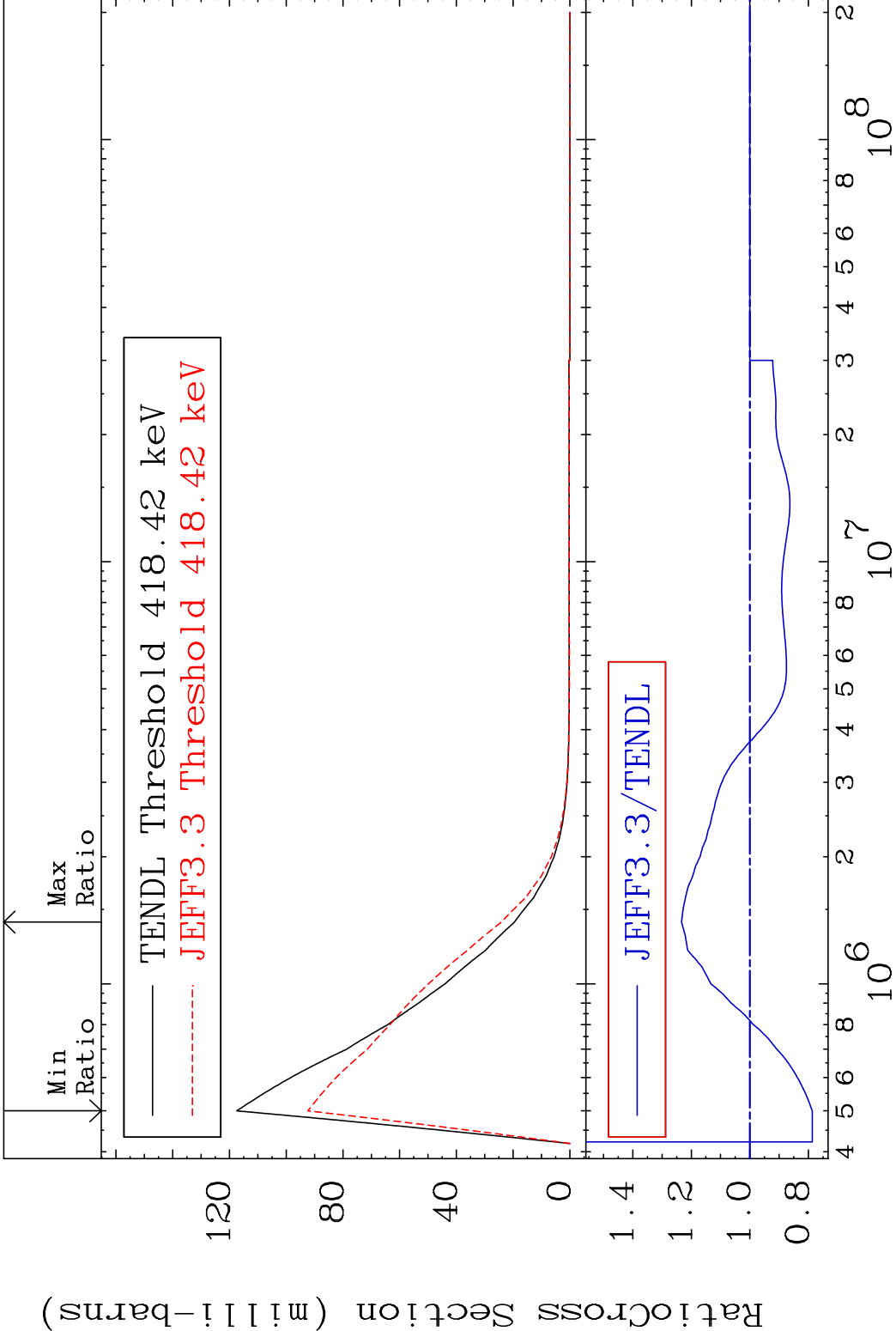
MAT 6246

MT= 76 (n,n') Level

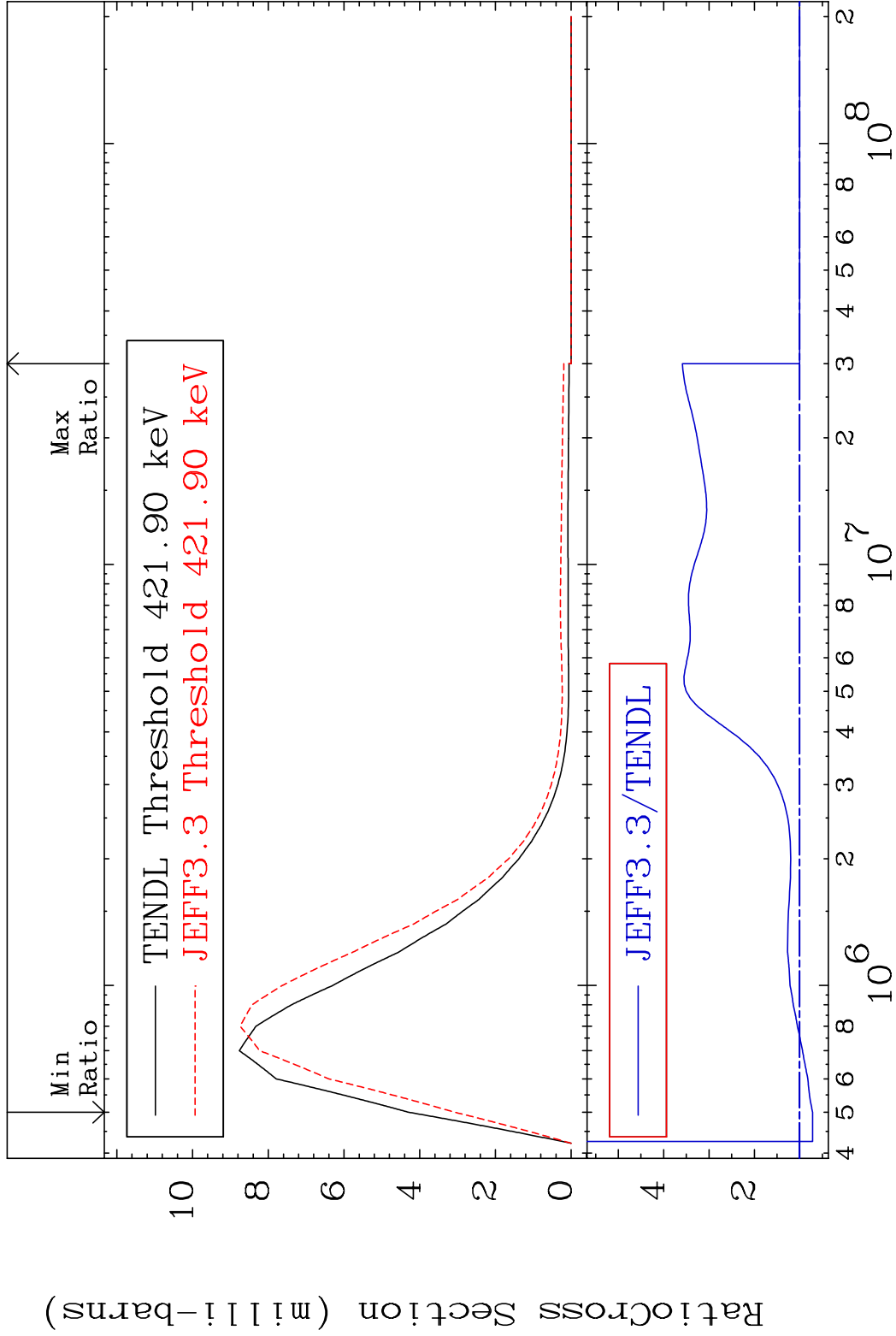
62-Sm-151

Cross Section

-21.32 To 23.34 %

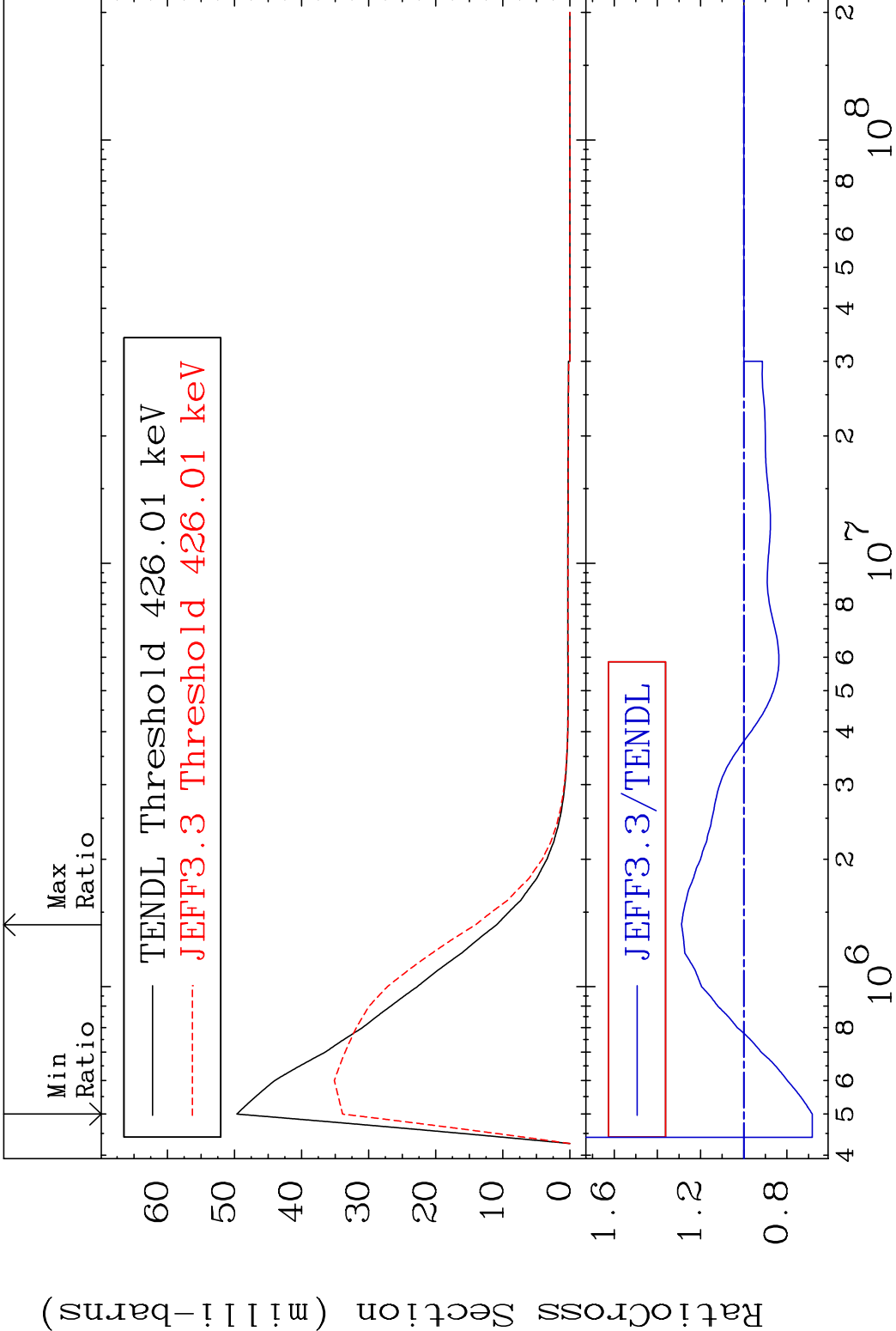


MAT 6246 MT= 77 (n,n') Level 62-Sm-151
Cross Section -28.36 To 258.8 %

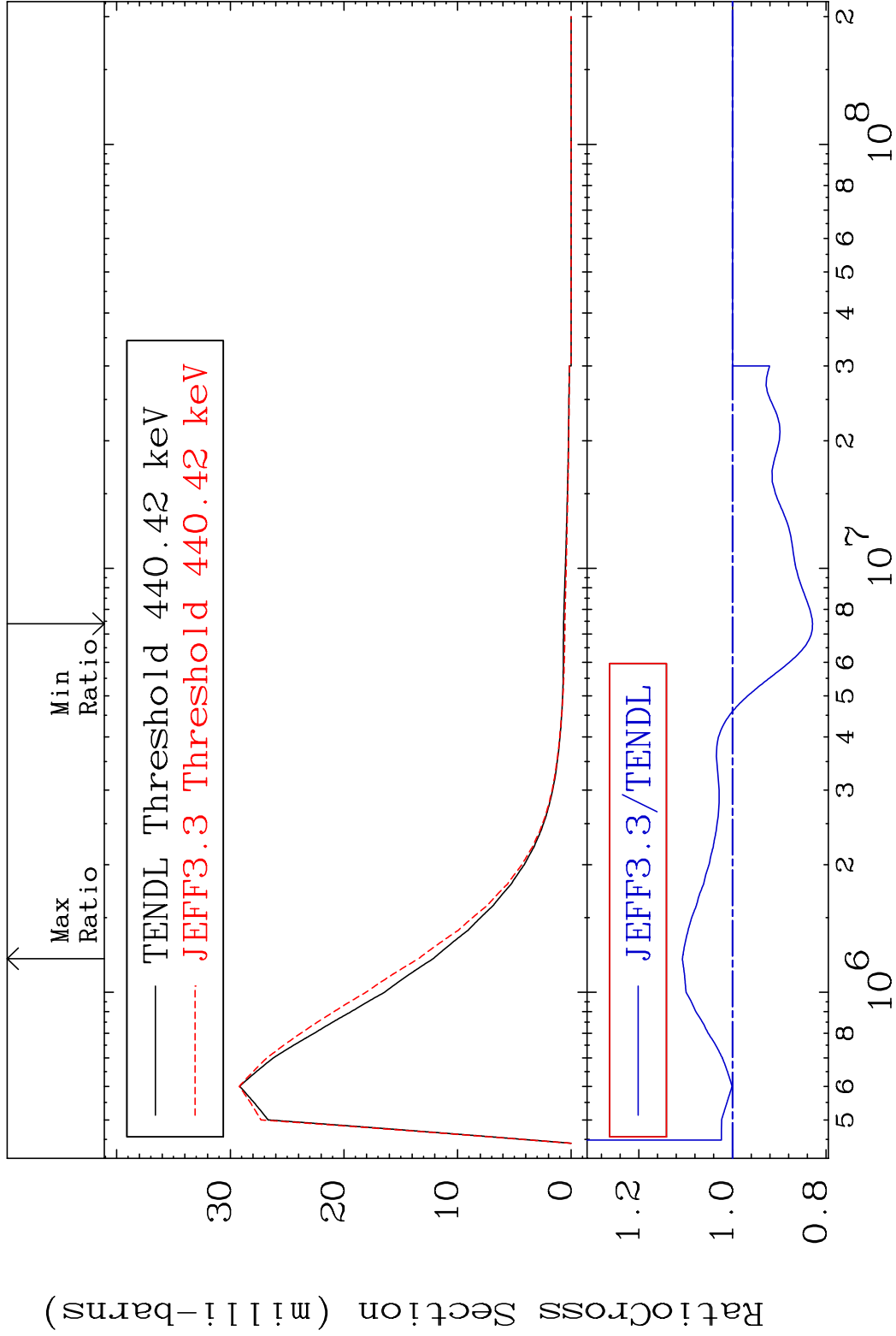


48 Incident Energy (eV) 62-Sm-151

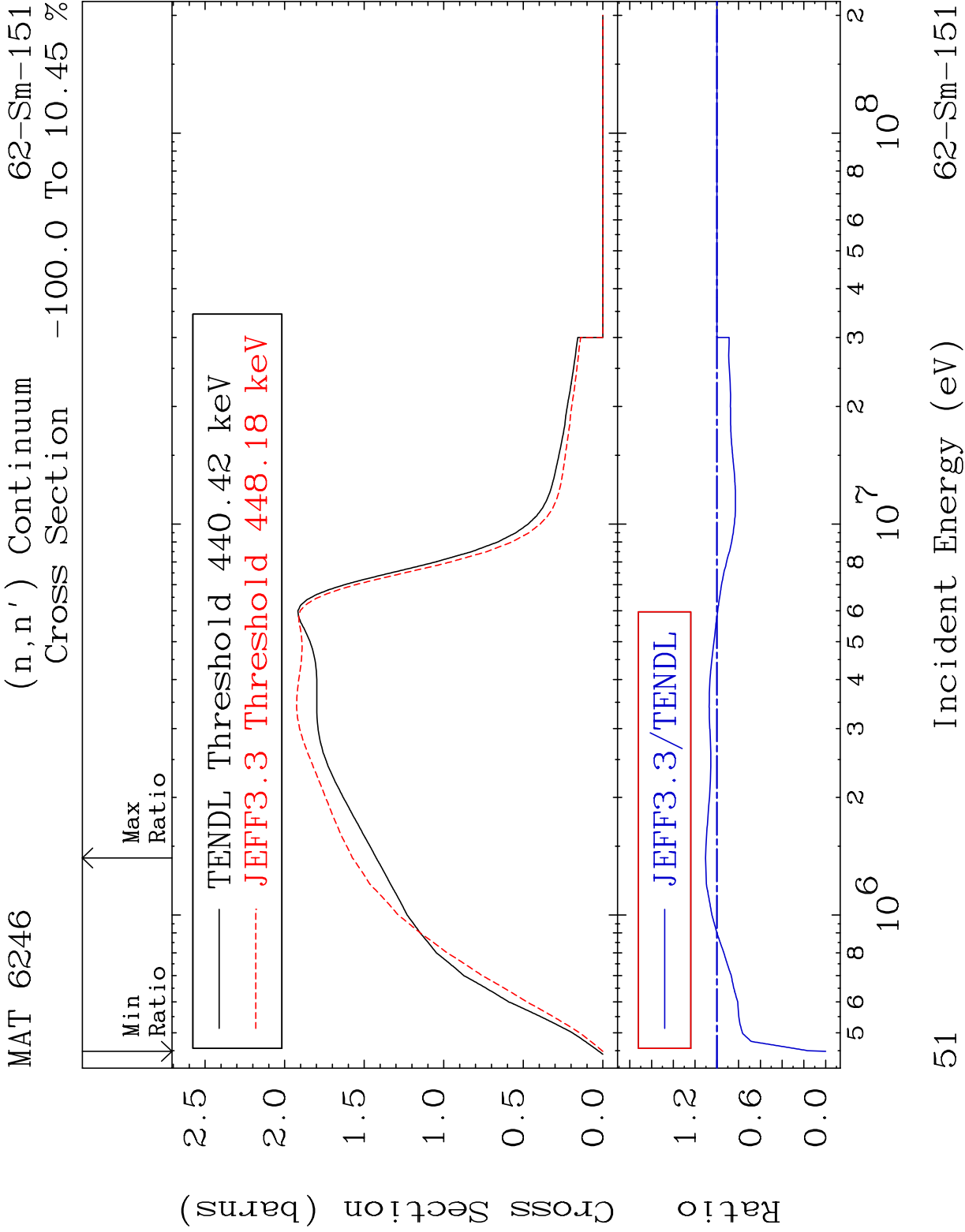
MAT 6246 MT= 78 (n,n') Level 62-Sm-151
Cross Section -31.72 To 28.82 %

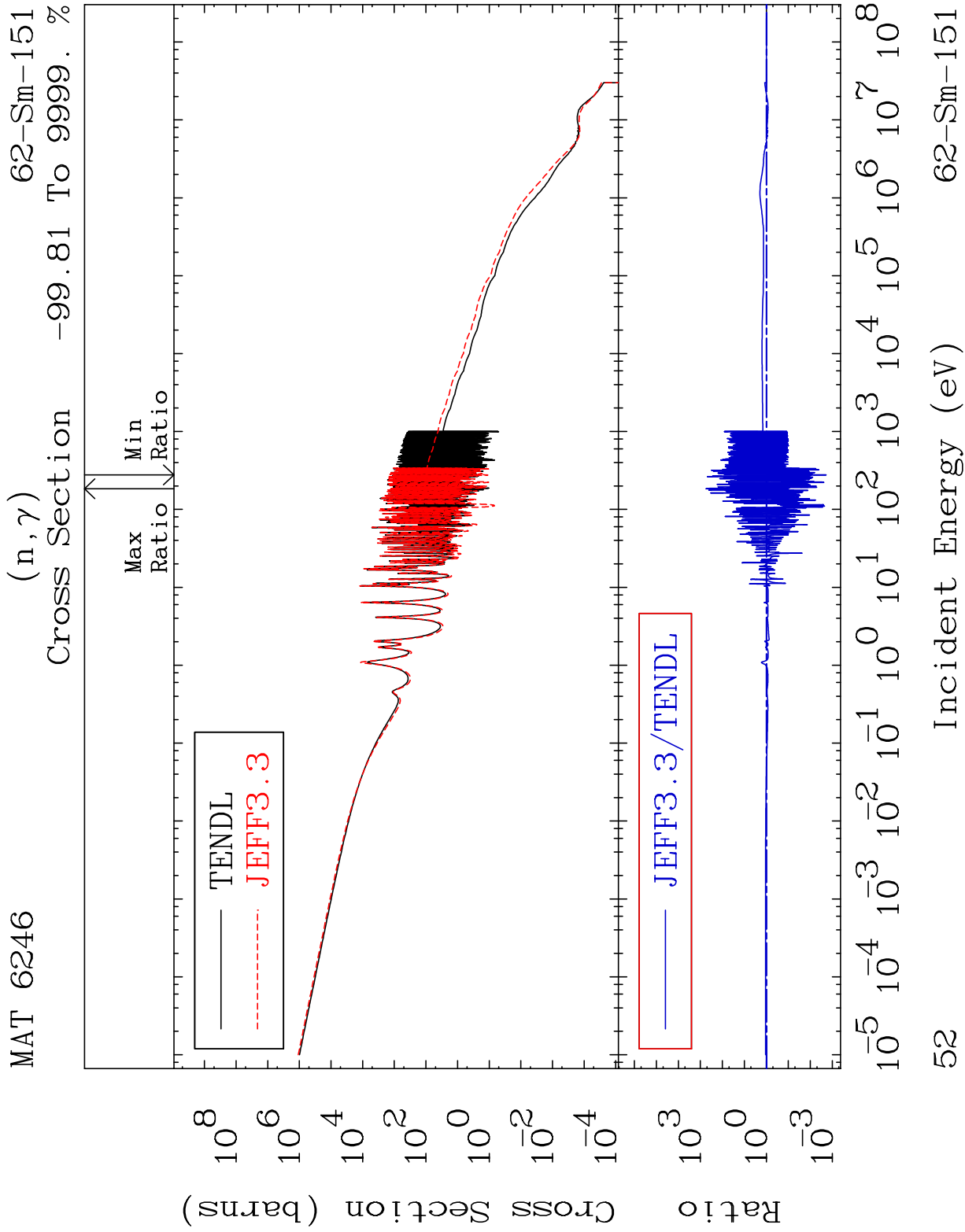


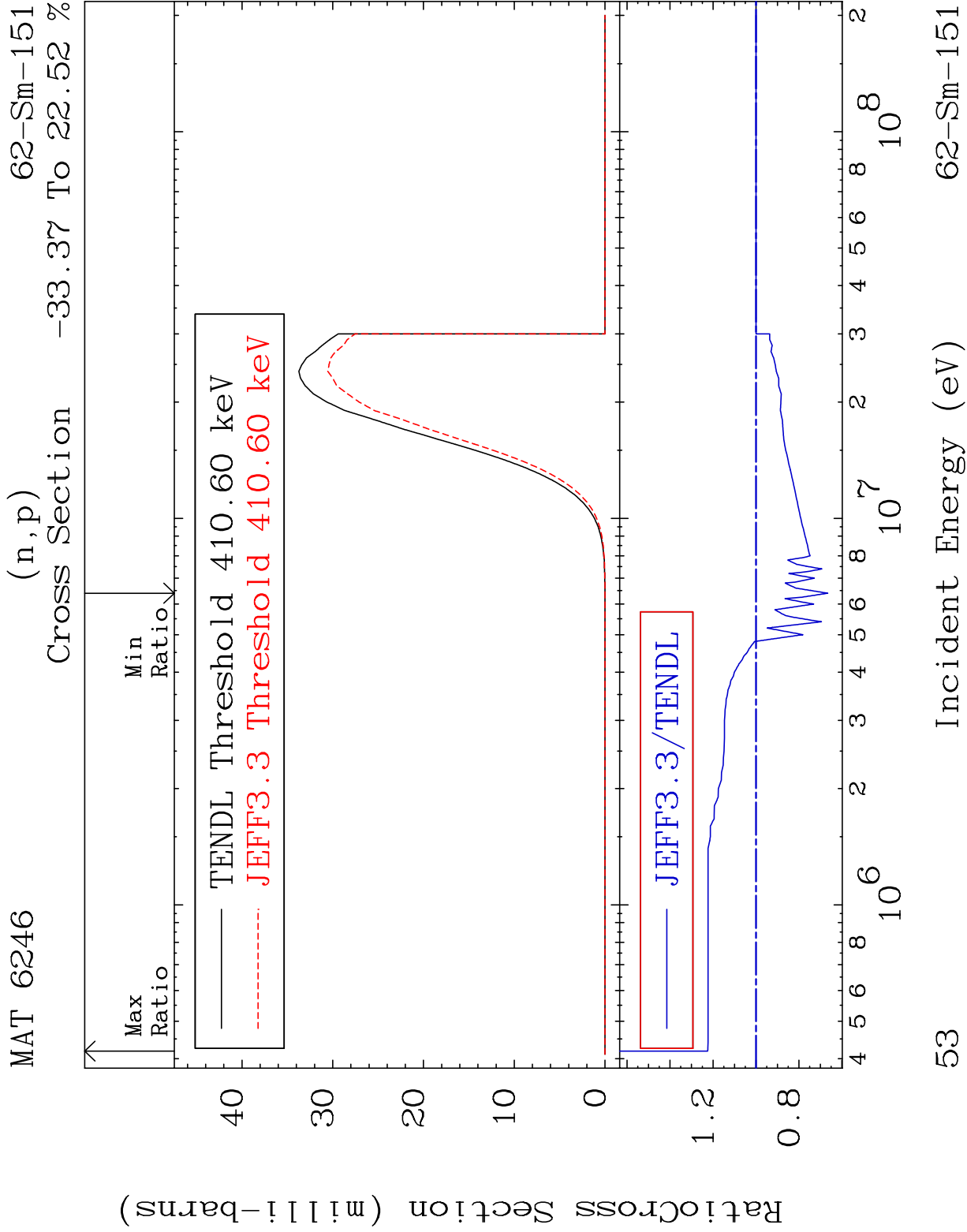
MAT 6246 MT= 79 (n,n') Level 62-Sm-151
Cross Section -17.12 To 10.71 %

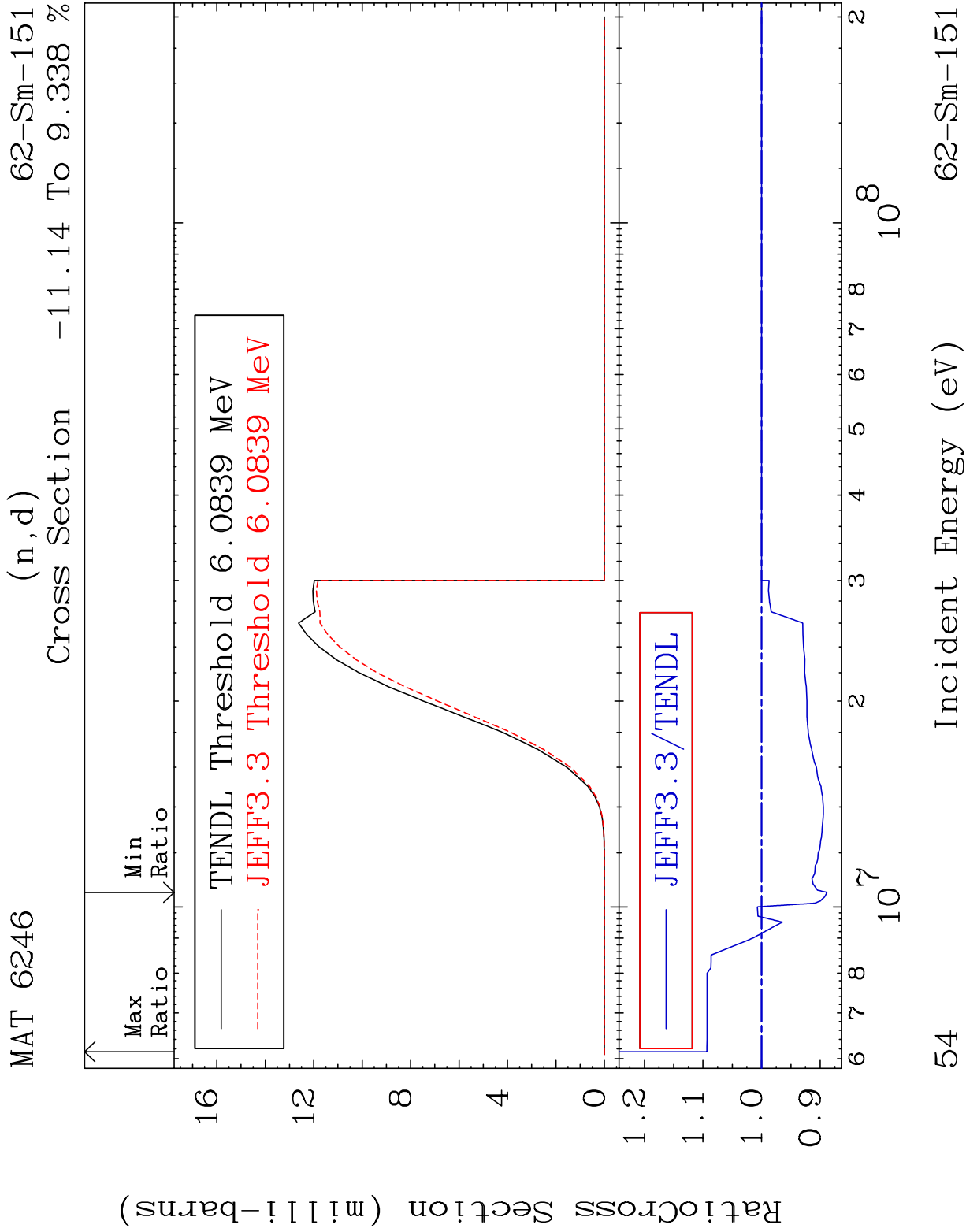


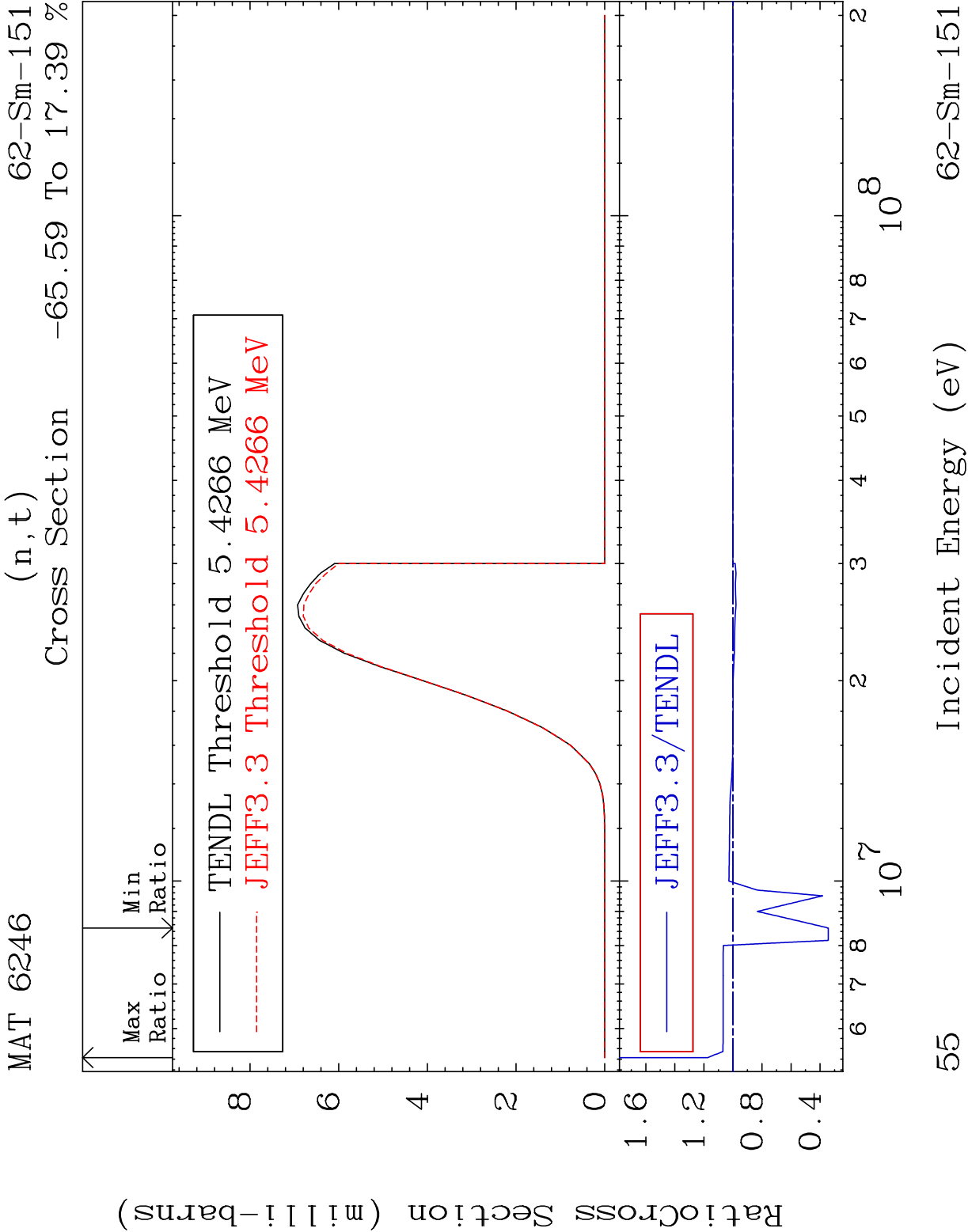
50 Incident Energy (eV) 62-Sm-151

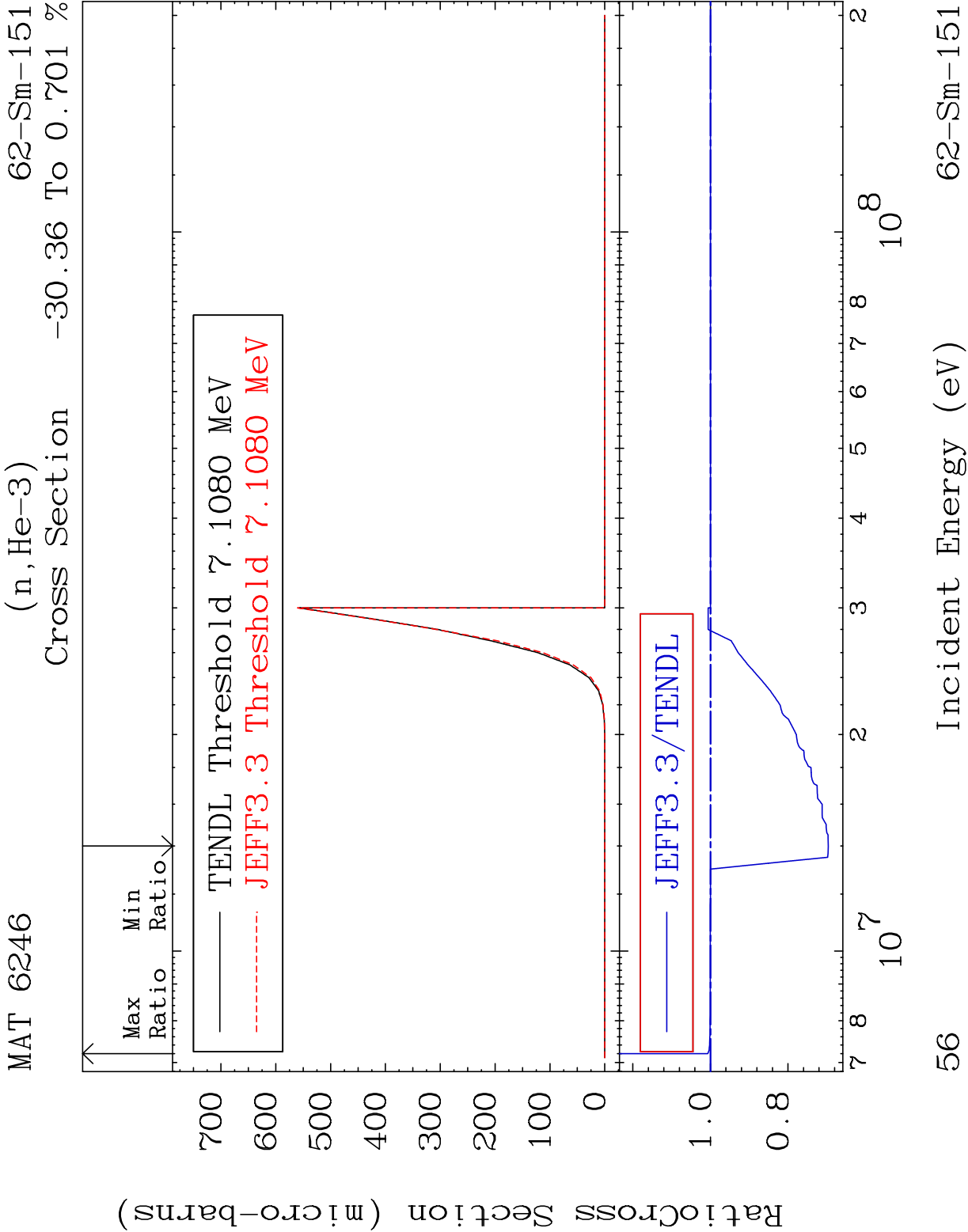










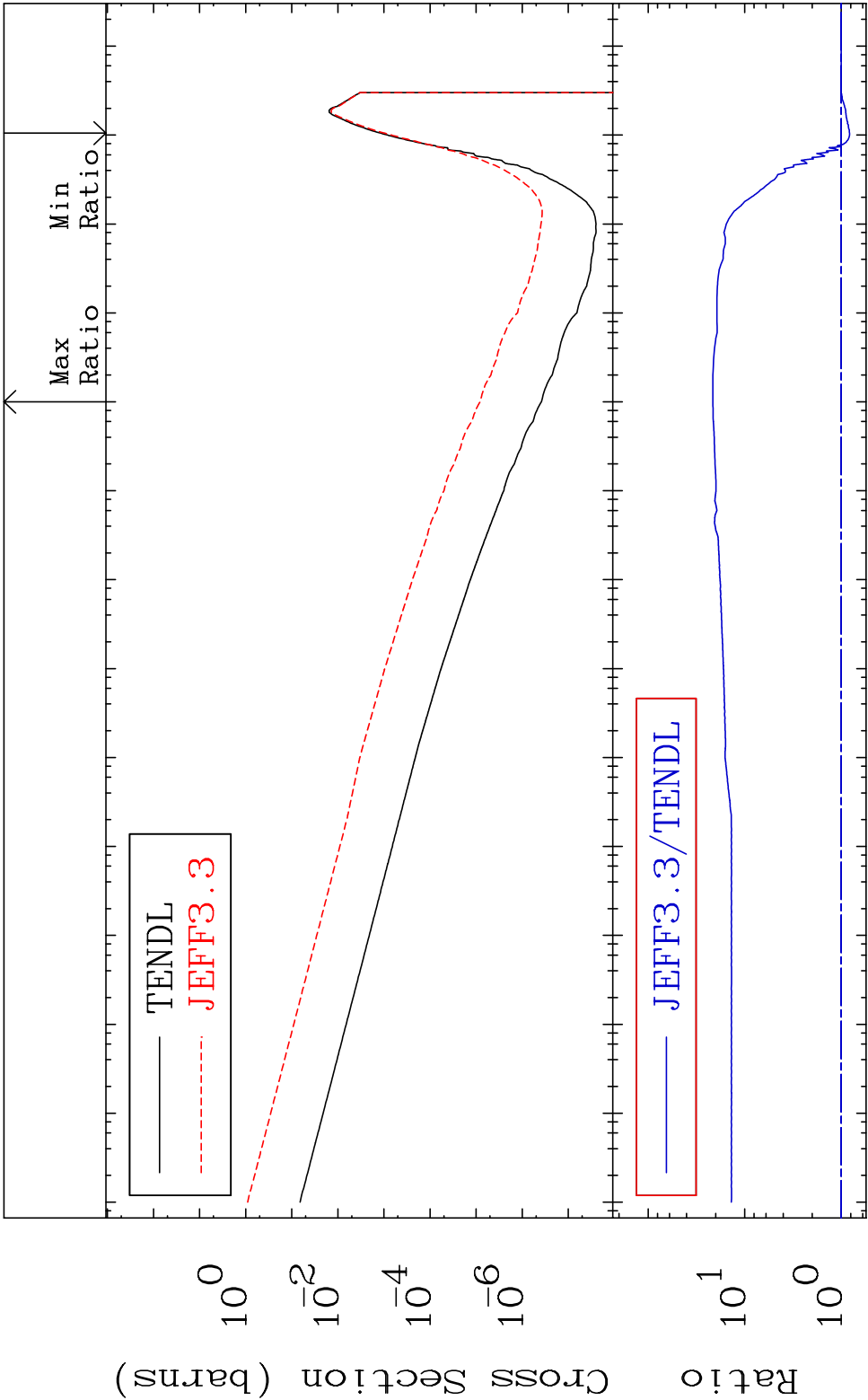


MAT 6246

(n, α)

62-Sm-151

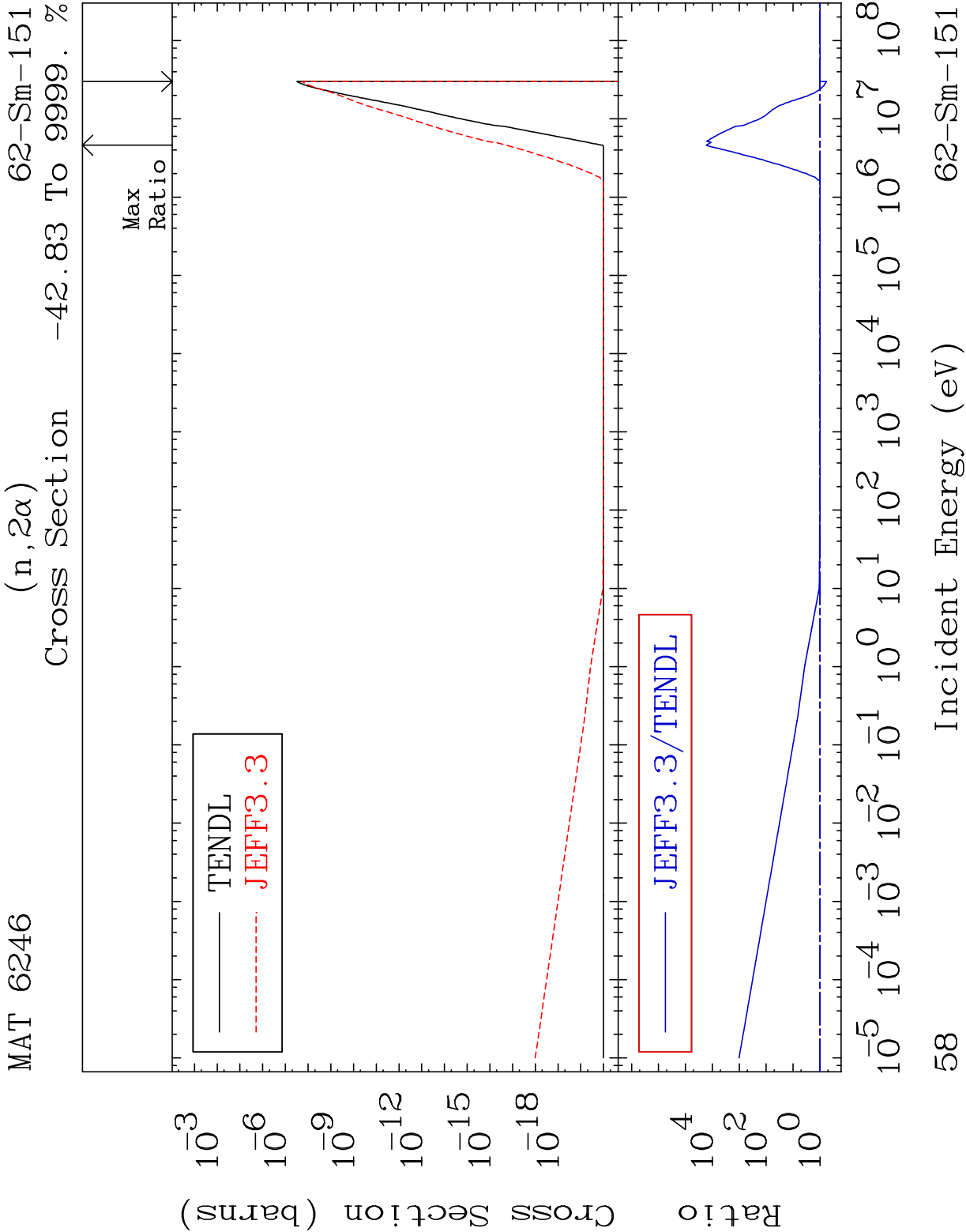
Cross Section -17.81 To 2038. %

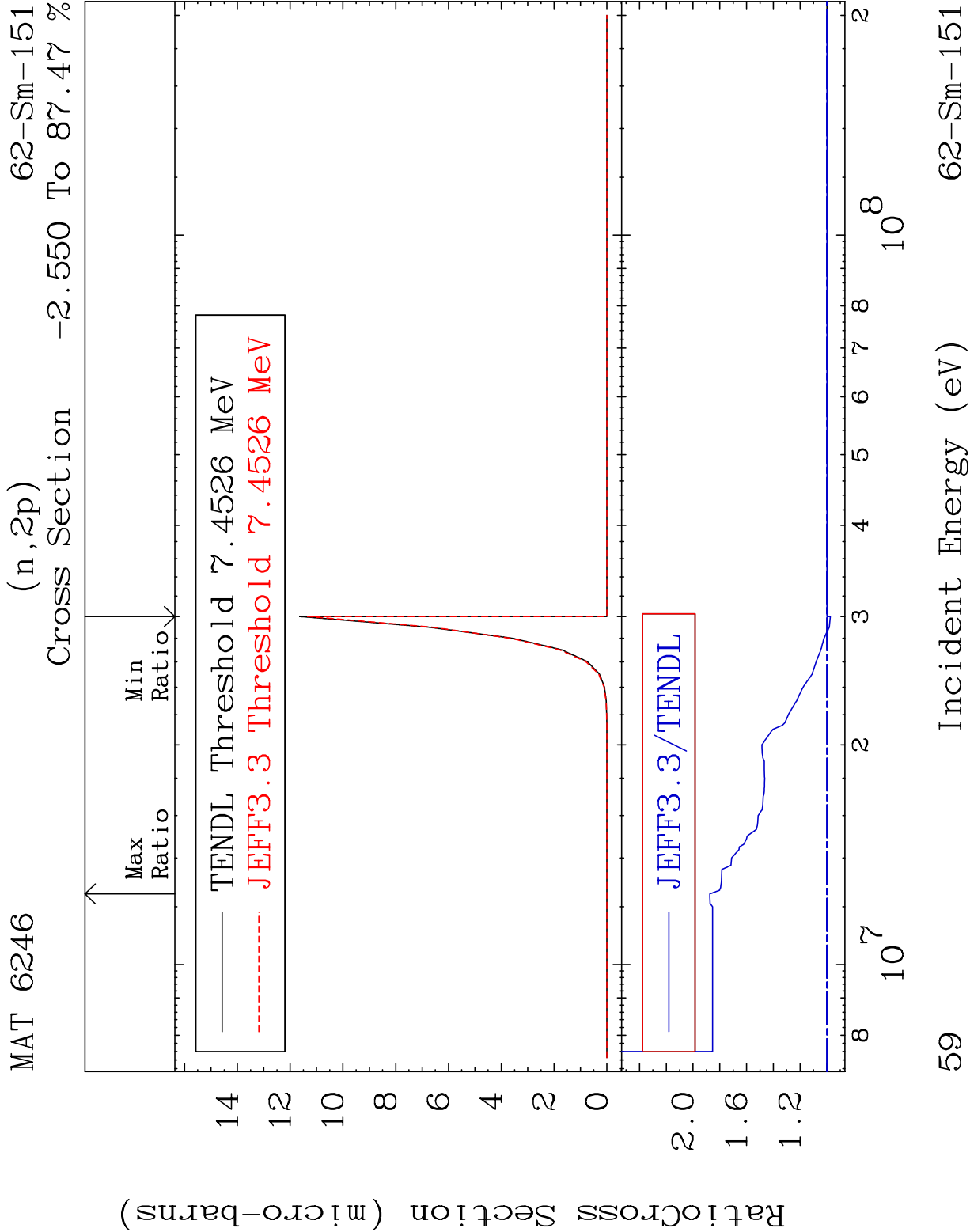


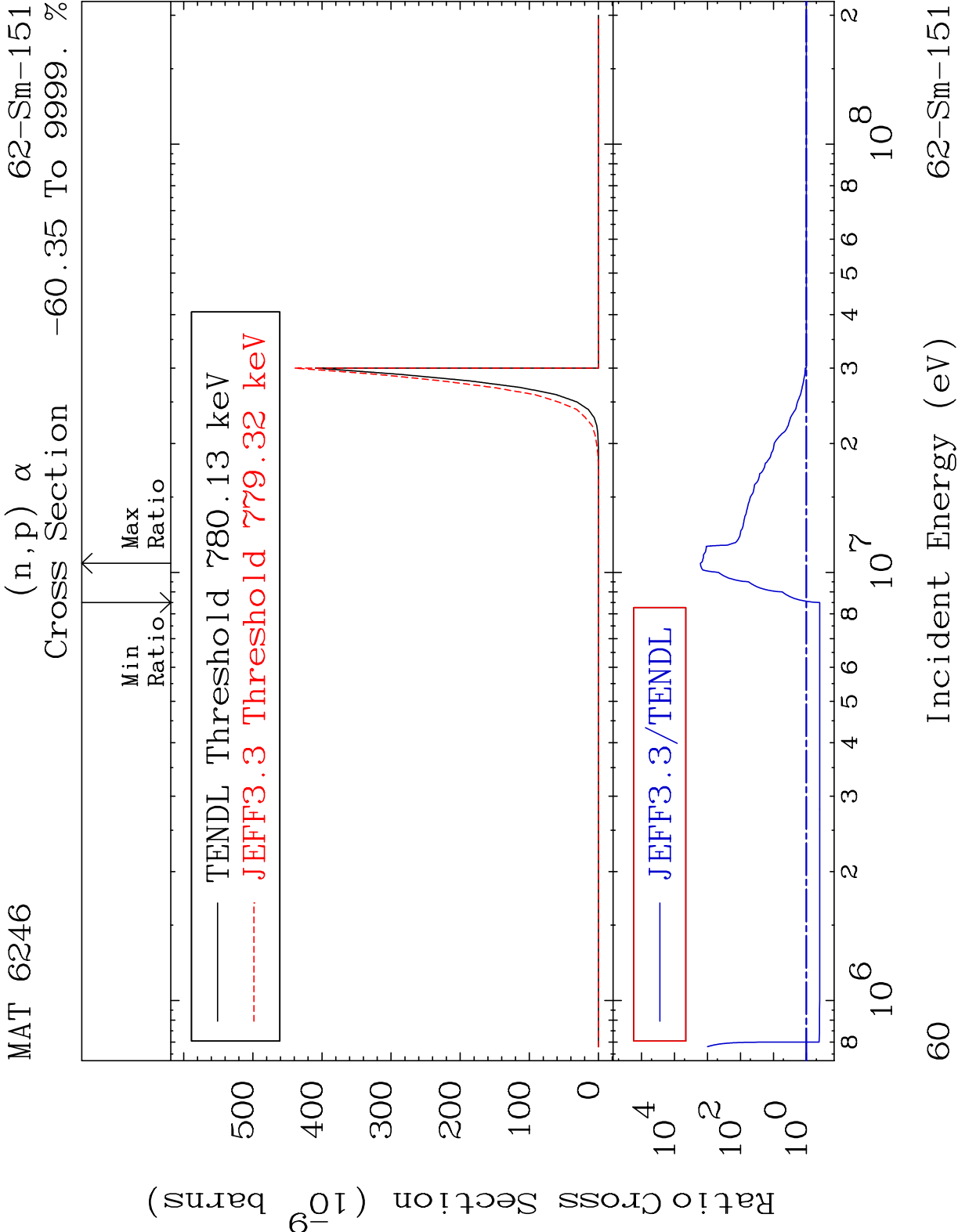
57

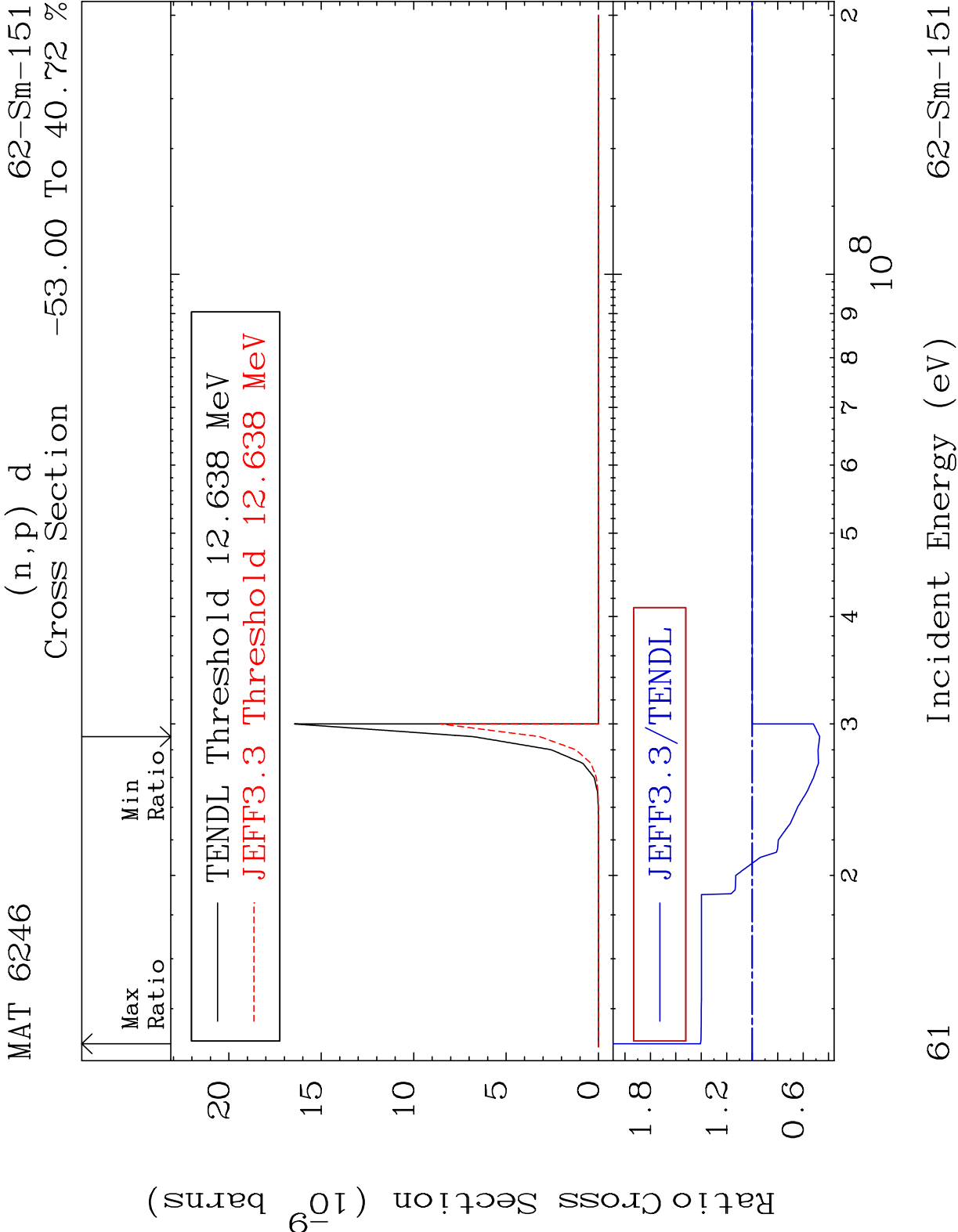
Incident Energy (eV)

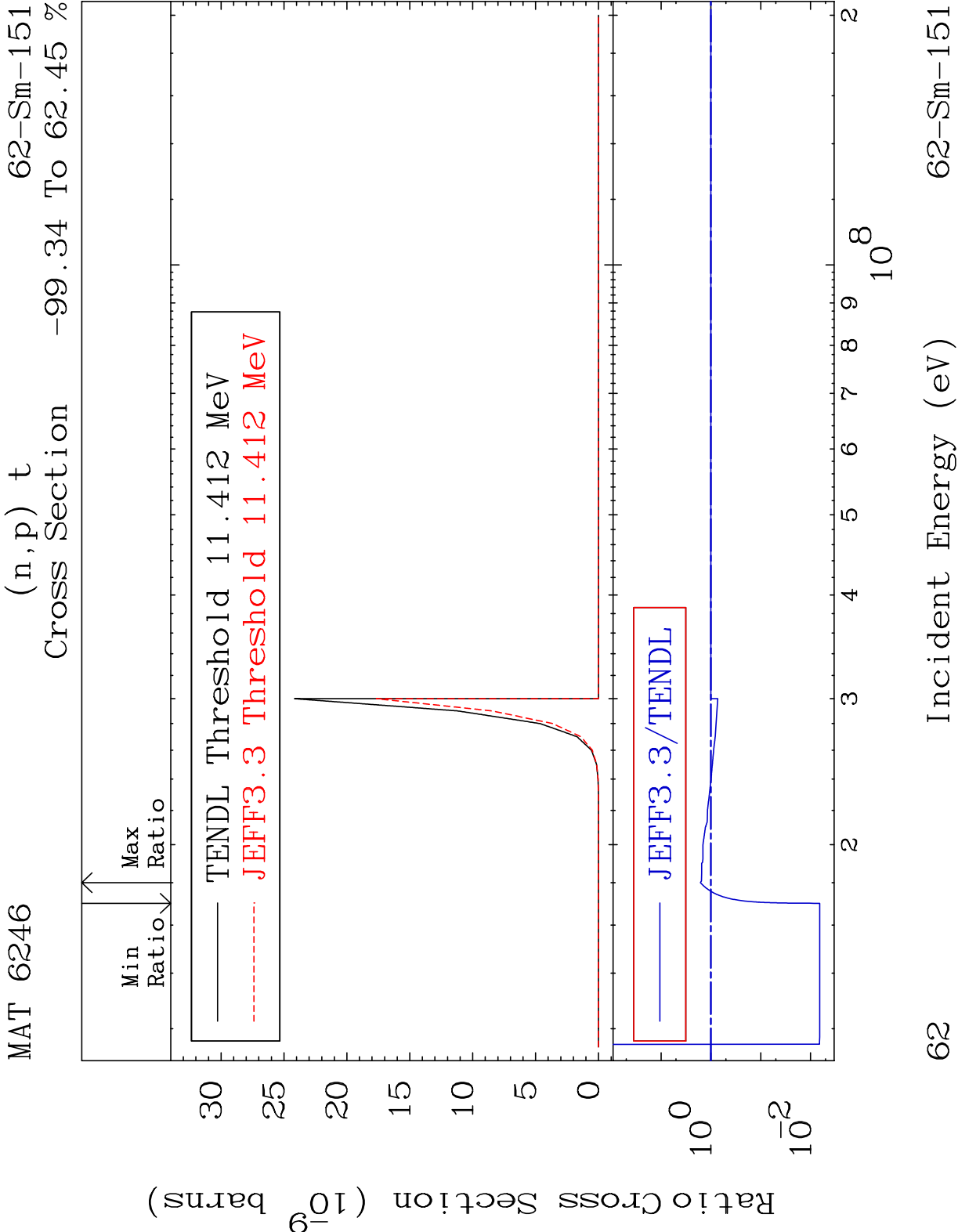
62-Sm-151









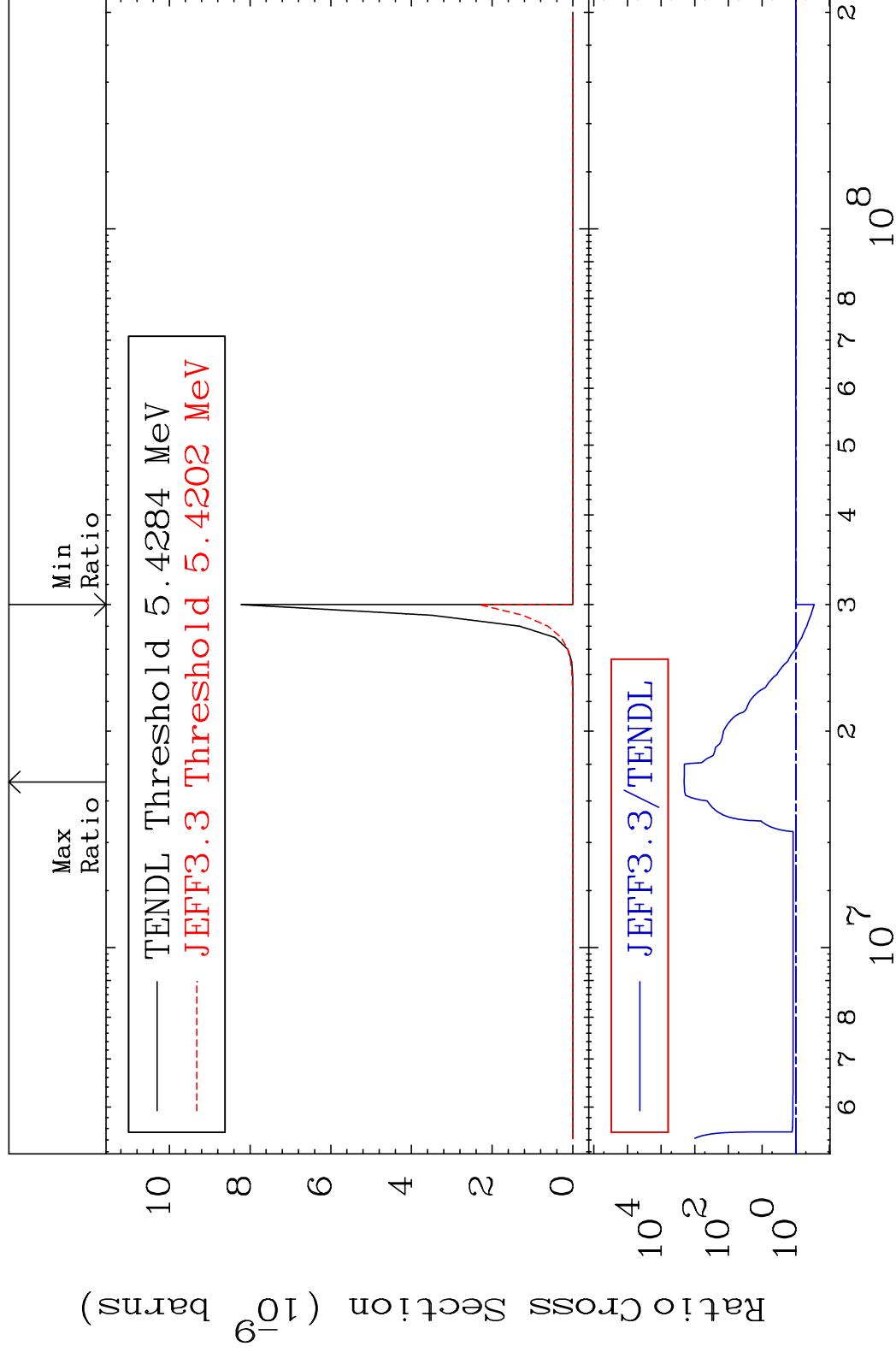


MAT 6246

$$(n, d) \propto$$

(n, d) α 62-Sm-151
Cross Section -71.84 To 9999. %

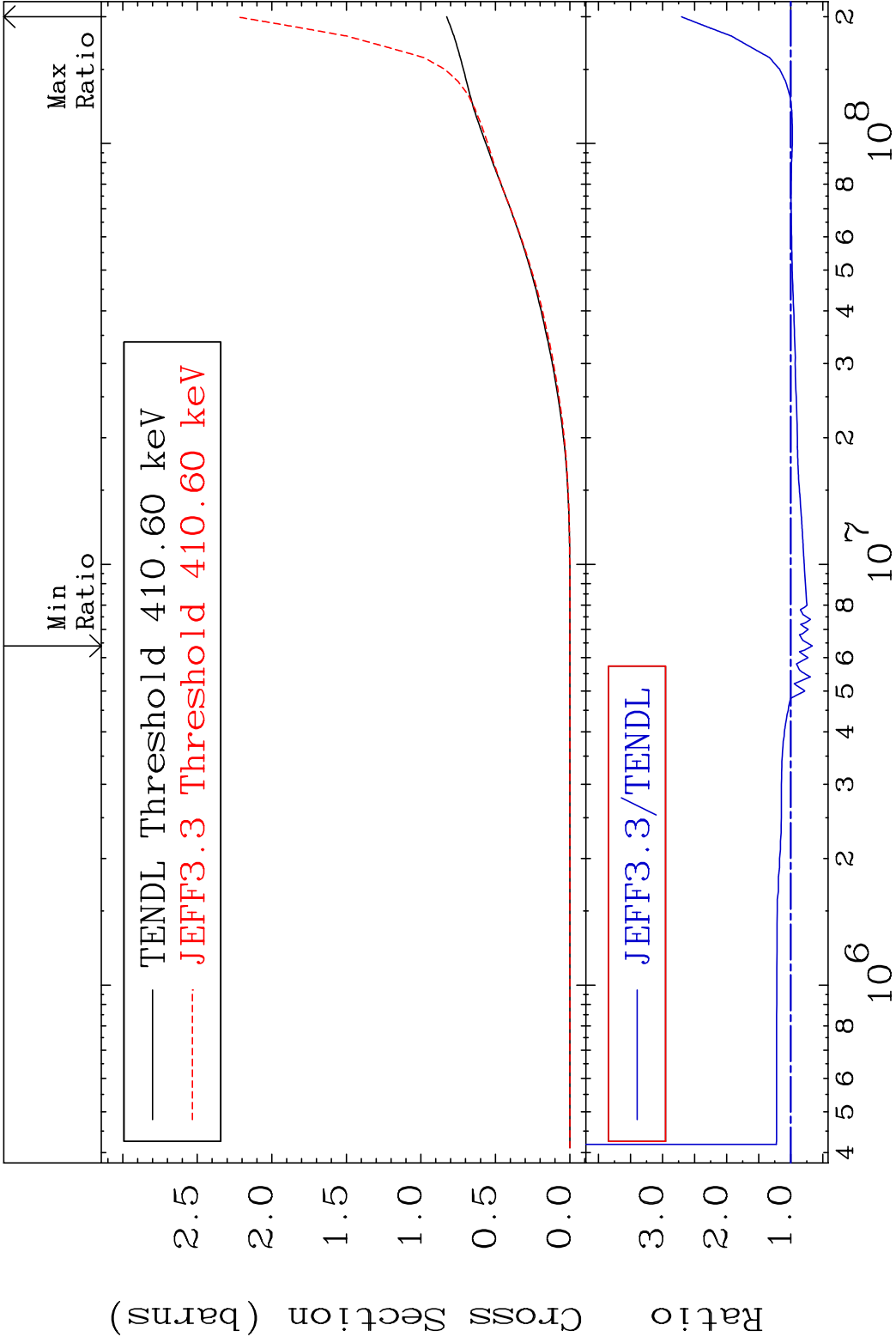
62-Sm-151



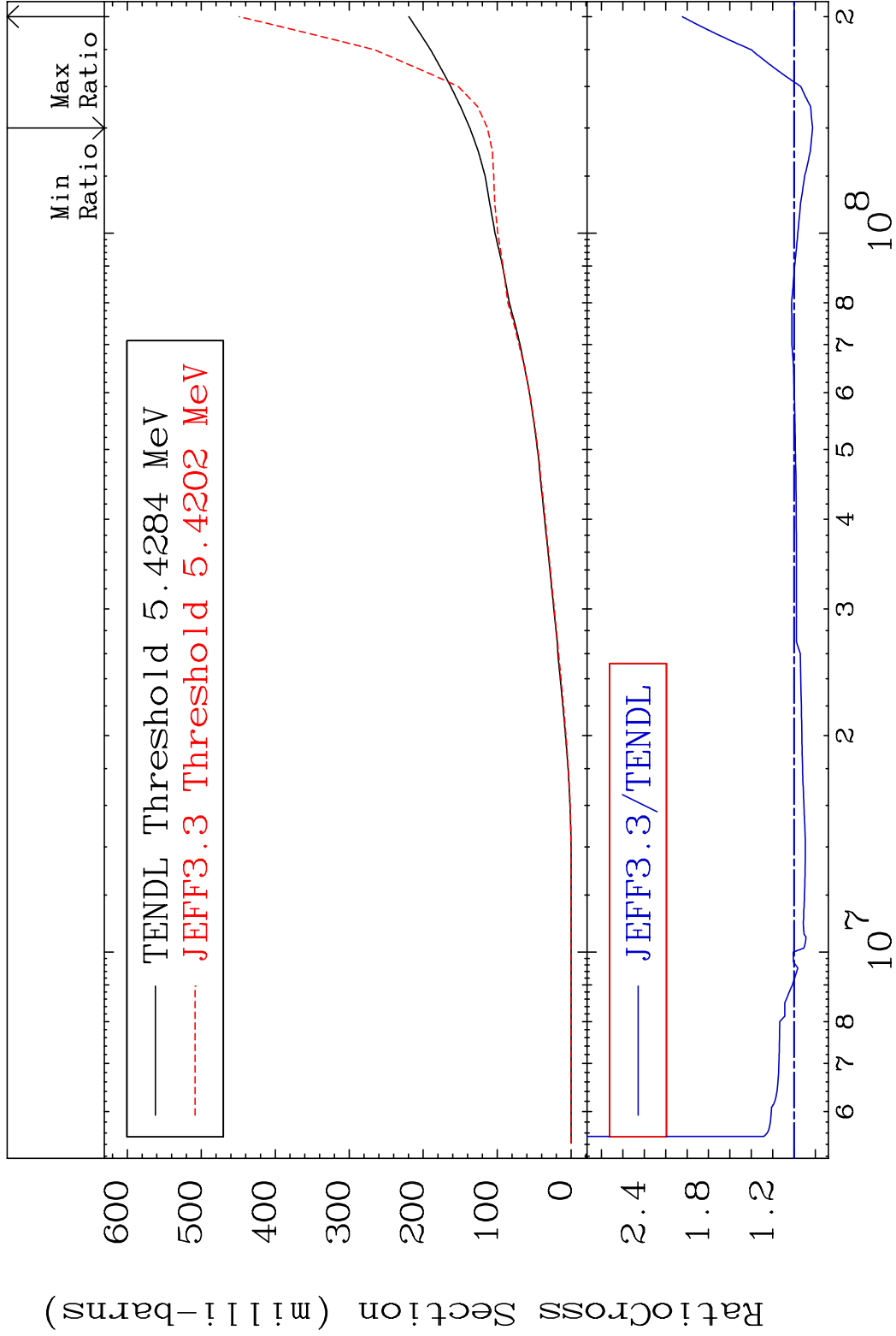
36

Incident Energy (eV)

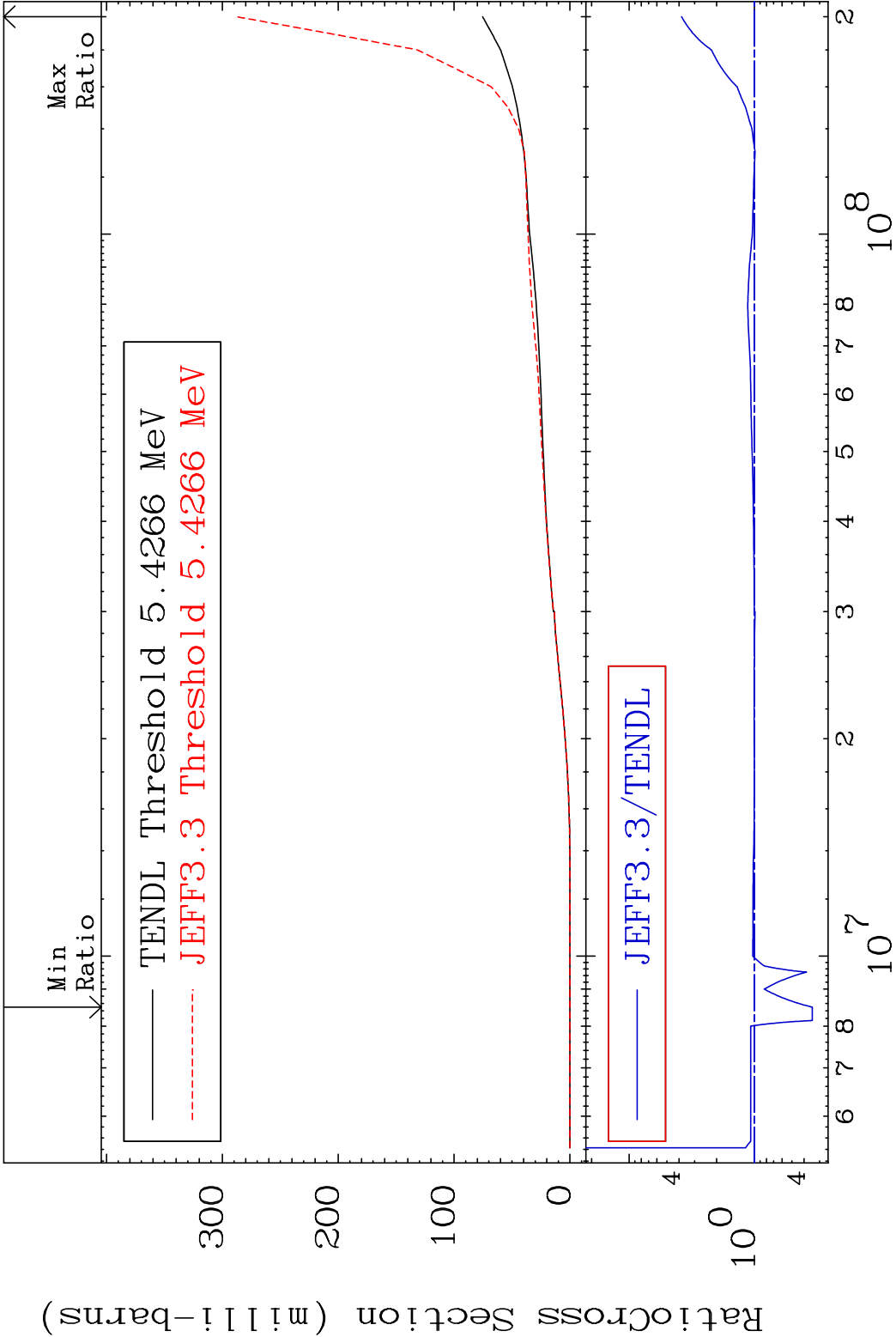
62-Sm-151



MAT 6246 Deuterium Production 62-Sm-151
Cross Section -17.33 To 104.4 %



65 Incident Energy (eV) 62-Sm-151

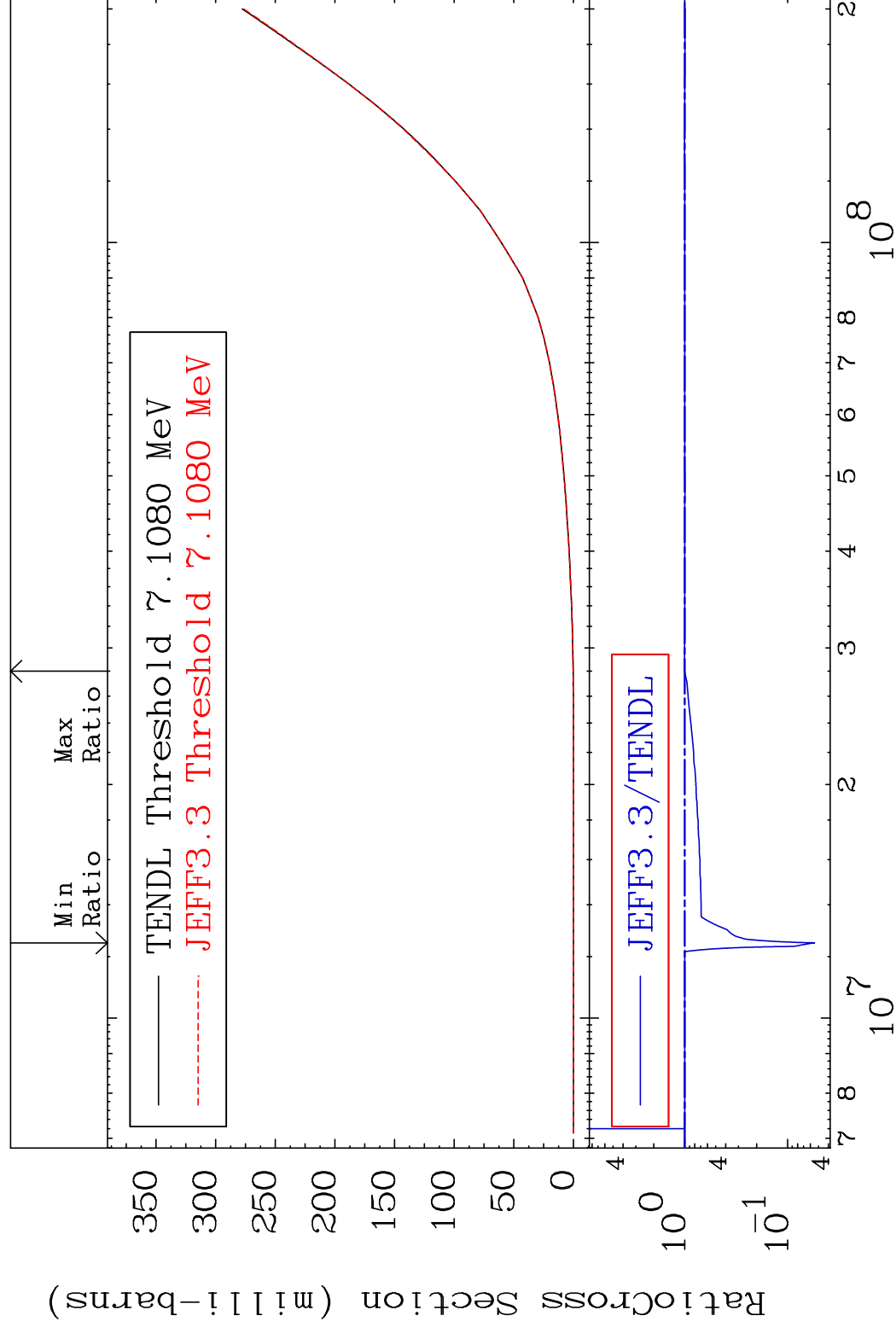


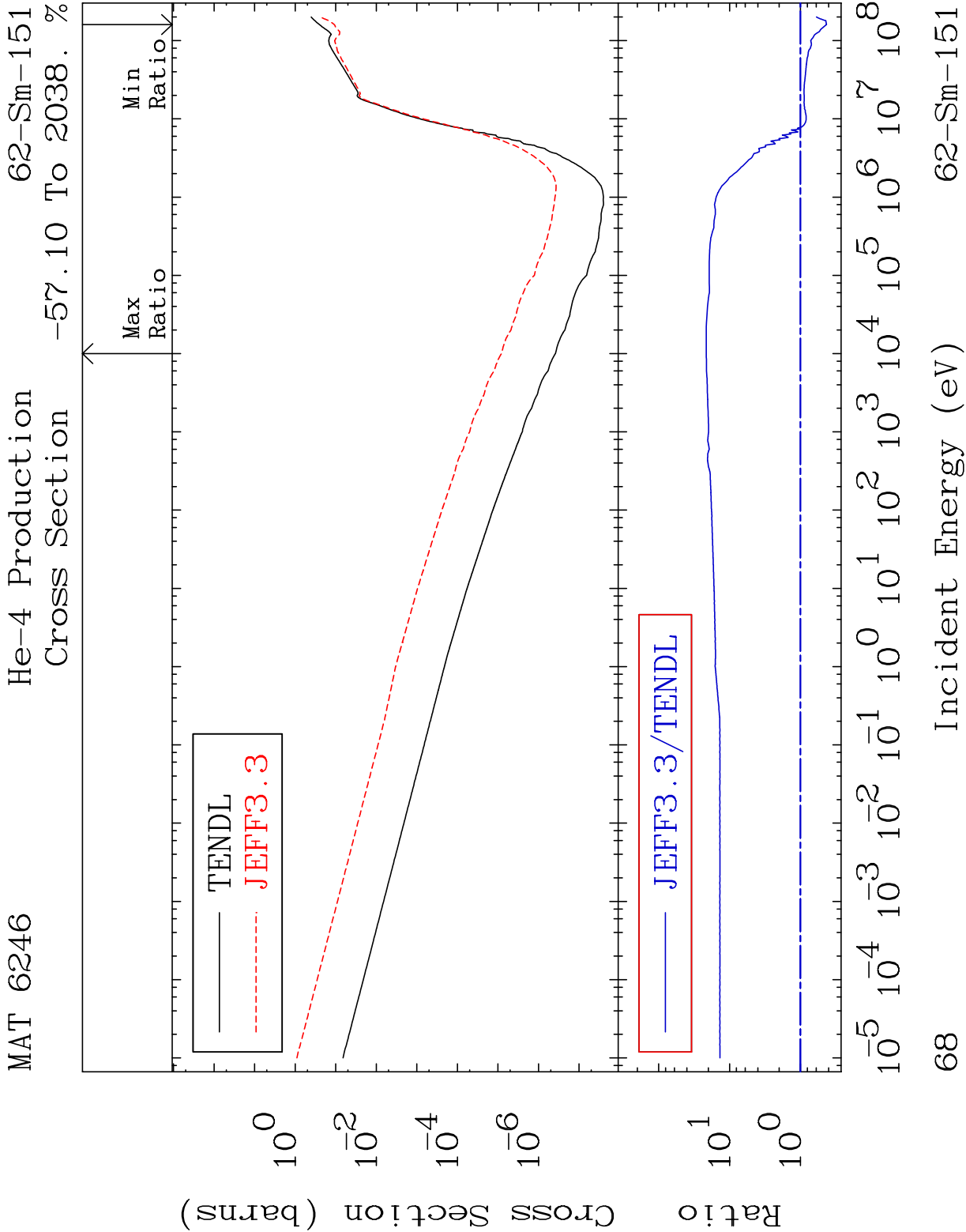
MAT 6246

He-3 Production

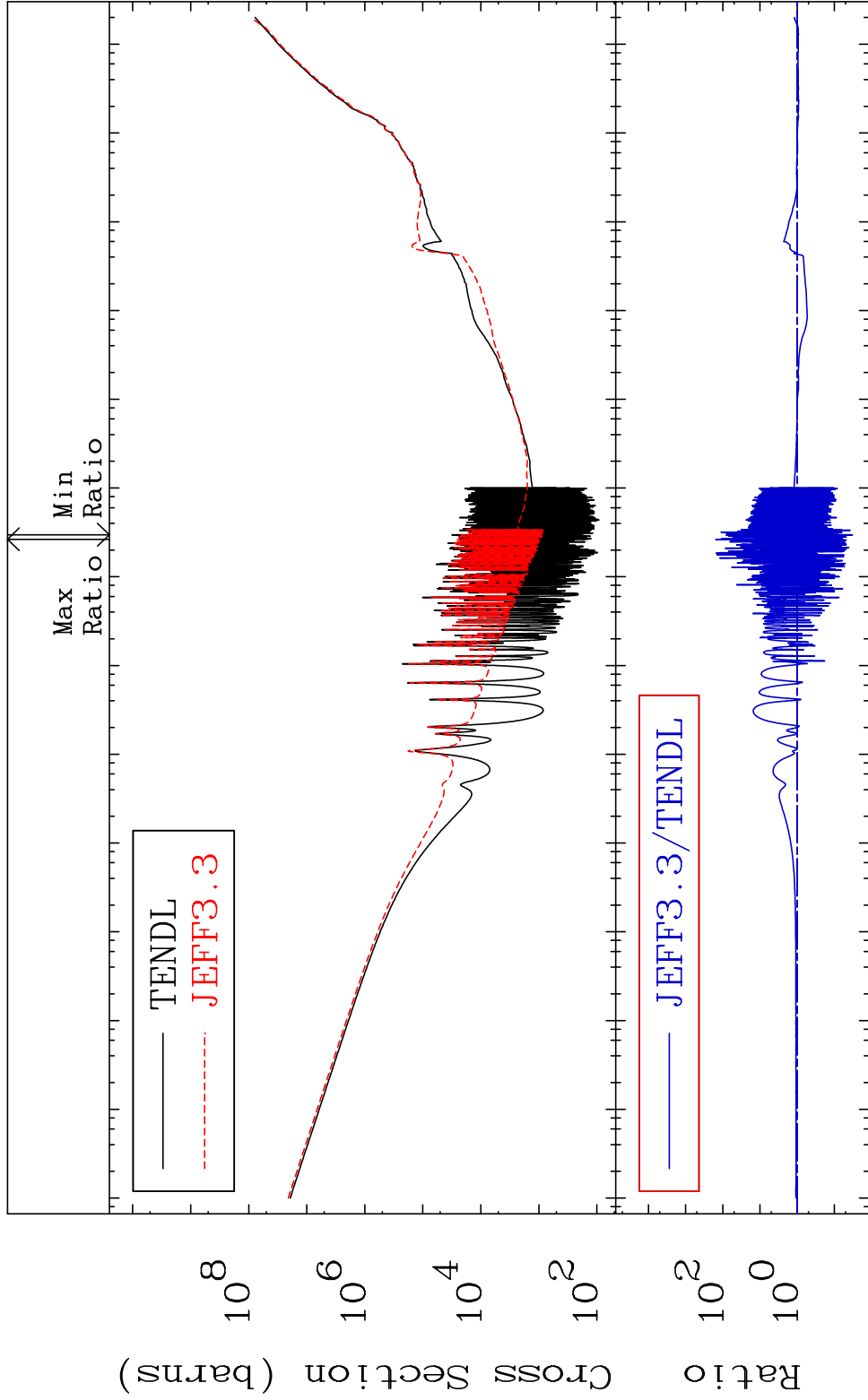
62-Sm-151

Cross Section -94.52 To 0.757 %

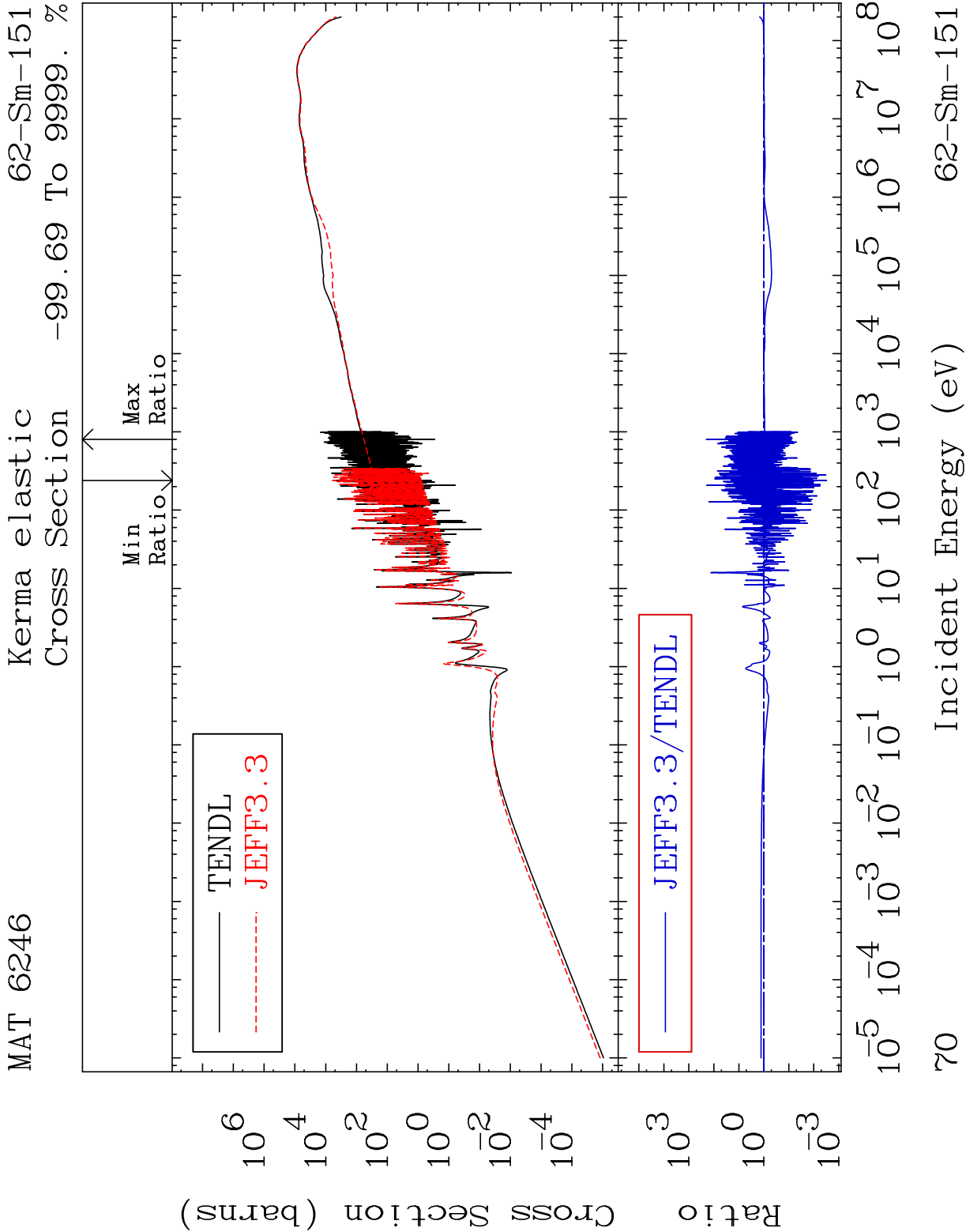




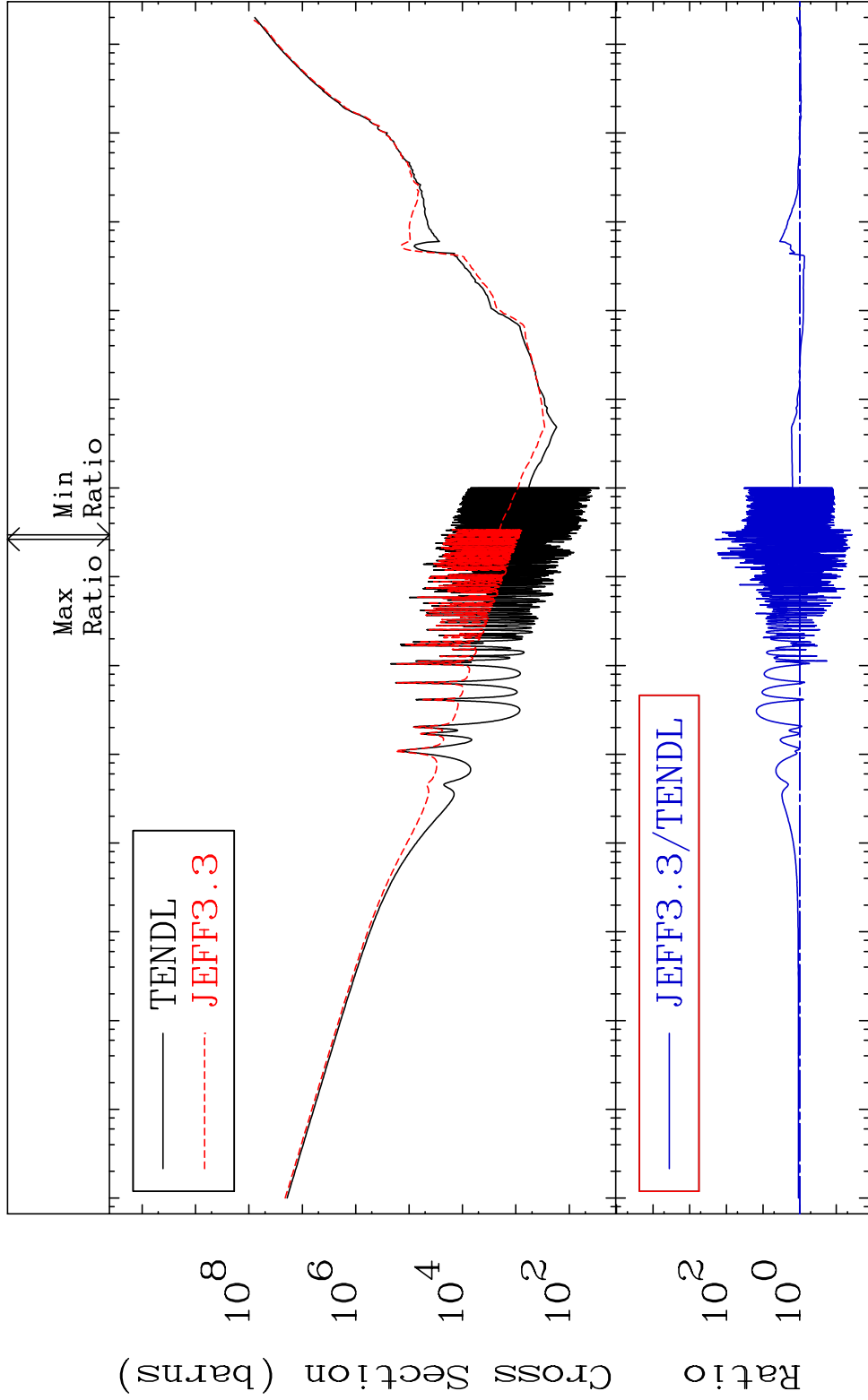
MAT 6246 Kerma total (eV-barns) 62-Sm-151
Cross Section -96.67 To 9999. %

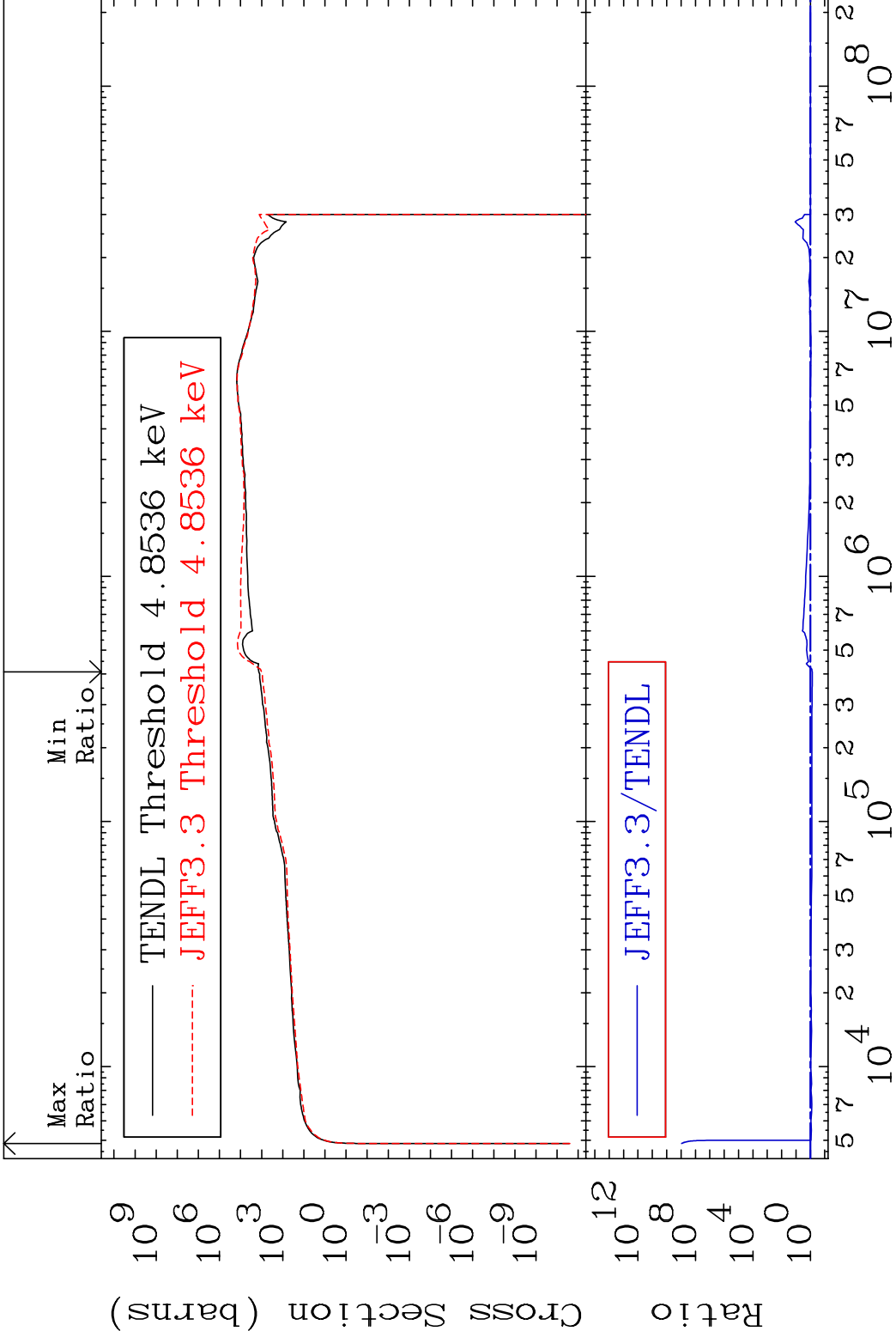


69 Incident Energy (eV) 62-Sm-151

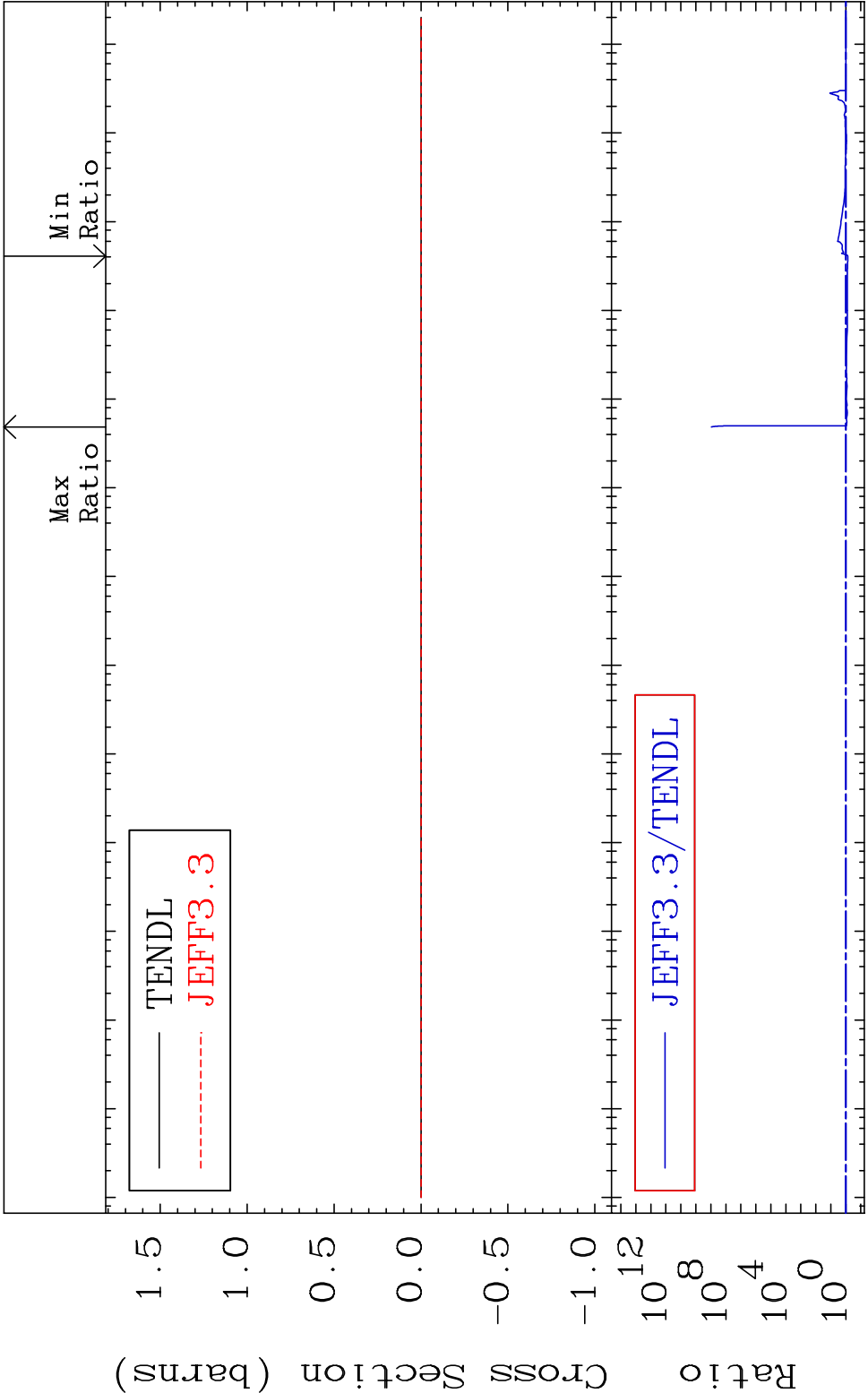


MAT 6246 Kerma non-elastic (all but mt2) 62-Sm-151
 Cross Section -96.31 To 9999. %





MAT 6246 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-151
Cross Section -25.79 To 9999. %



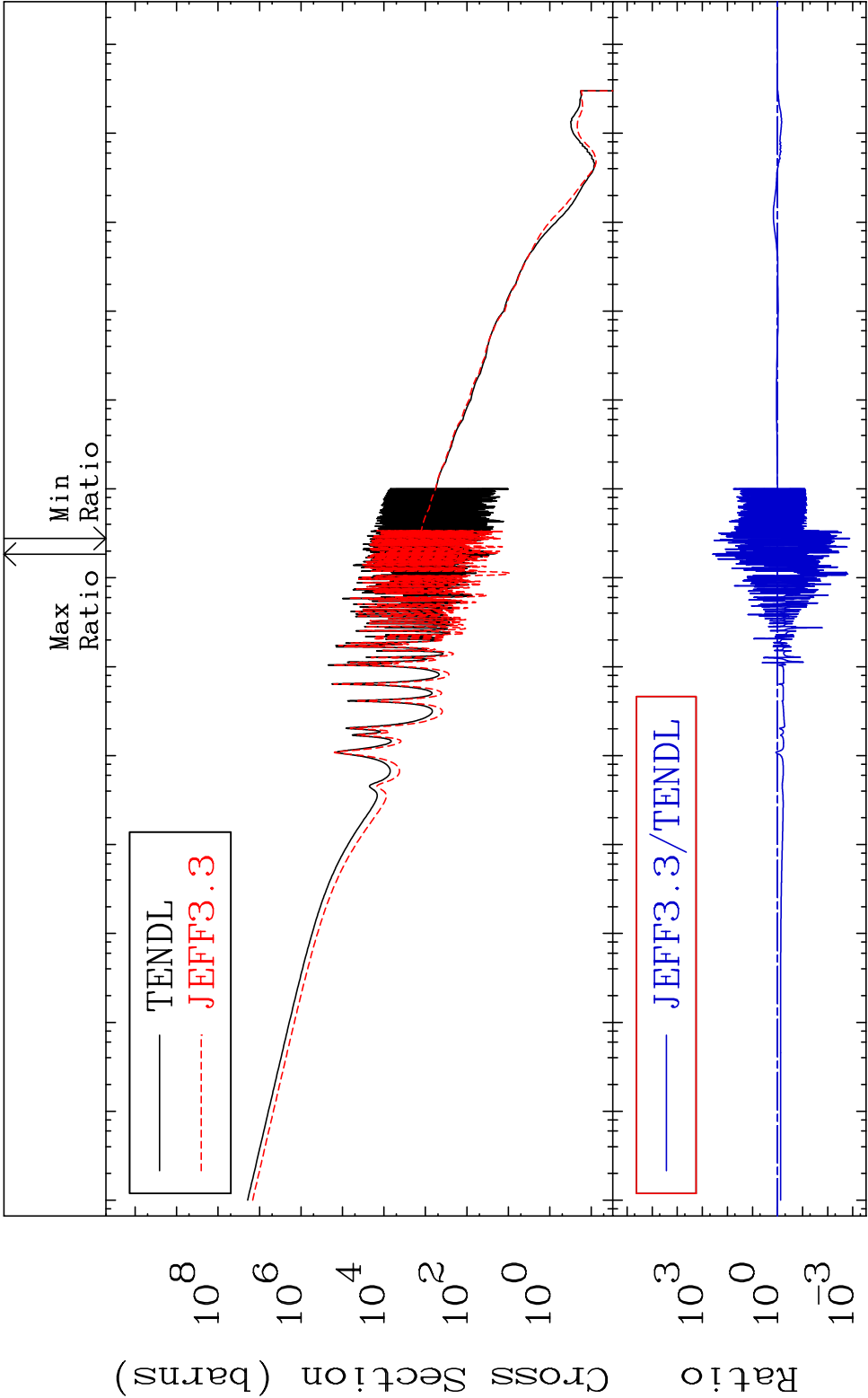
MAT 6246

Kerma capture (mt102)

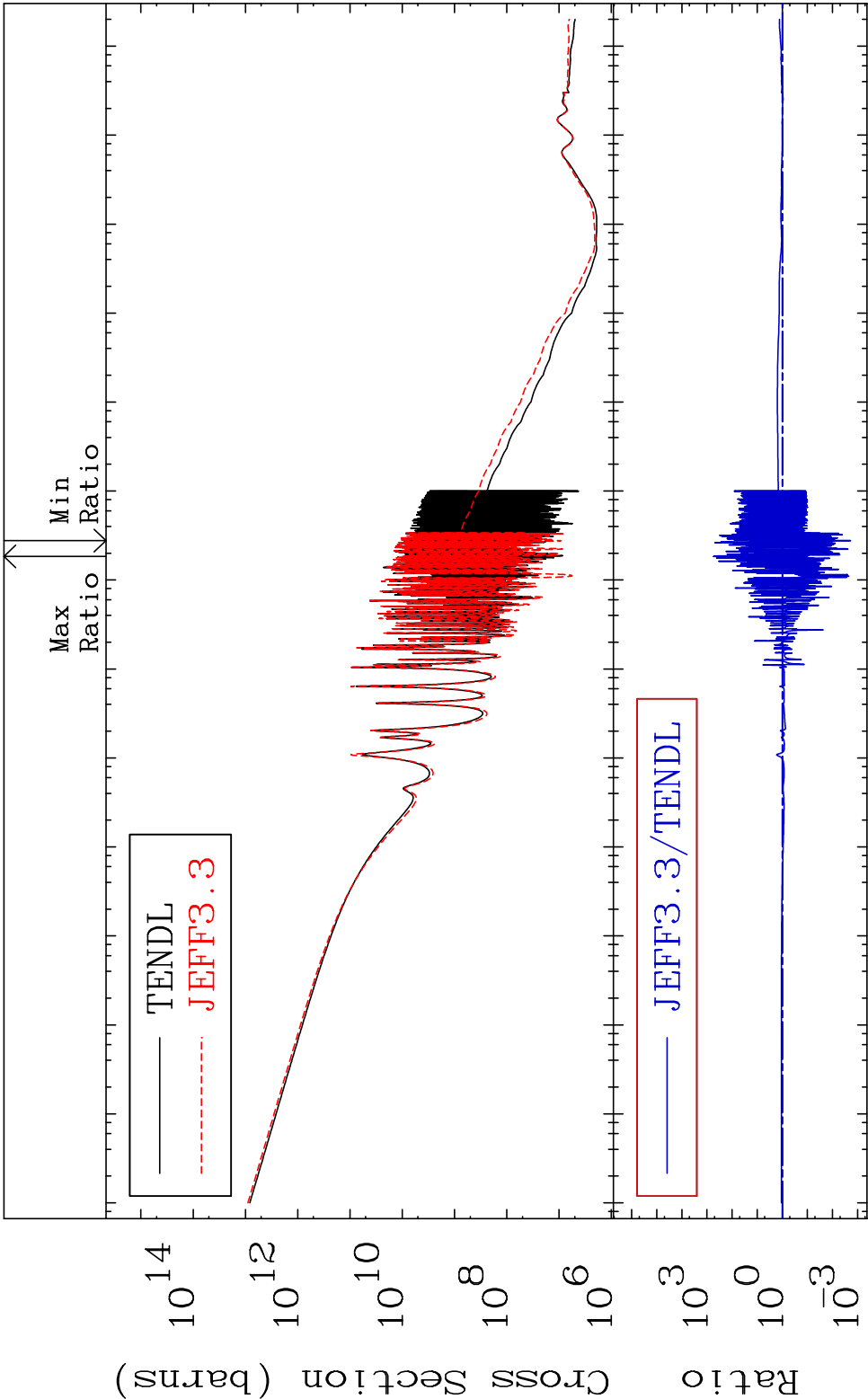
62-Sm-151

Cross Section

-99.87 To 9999. %



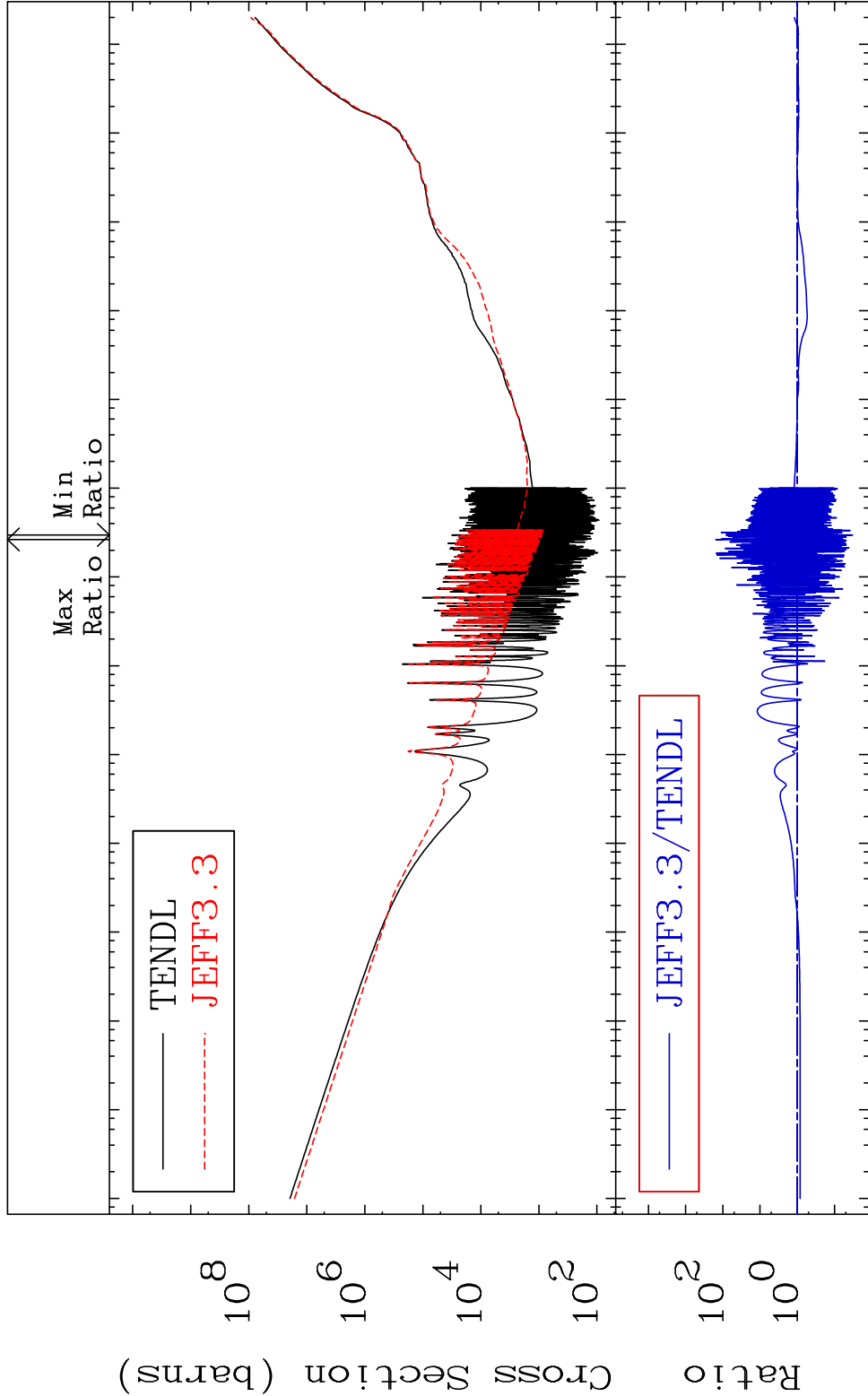
MAT 6246 Total photon (eV-barns) 62-Sm-151
 Cross Section -99.81 To 9999. %



75 Incident Energy (eV) 62-Sm-151

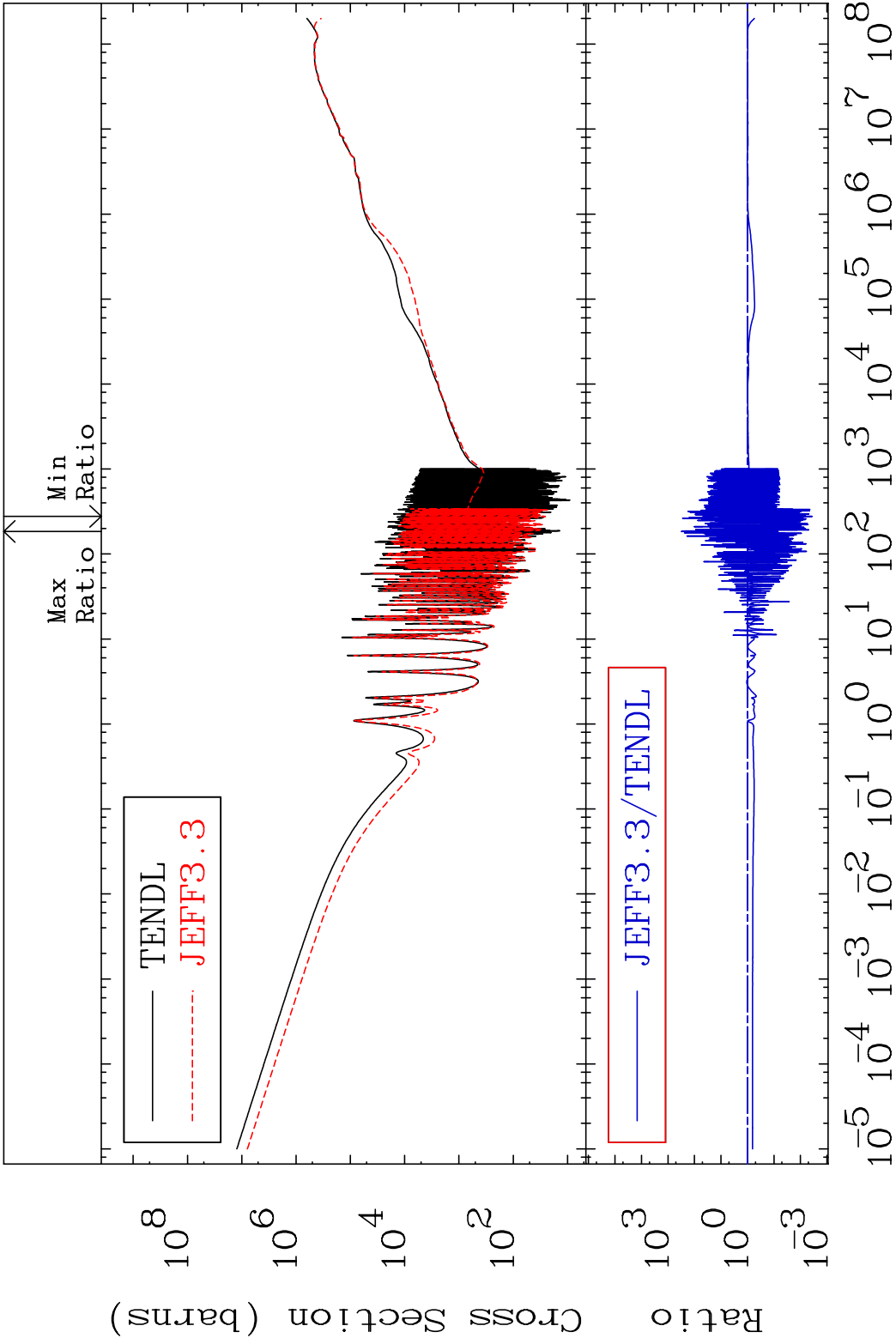
MAT 6246 Total kinematic kerma (high limit) 62-Sm-151

Cross Section -96.66 To 9999. %

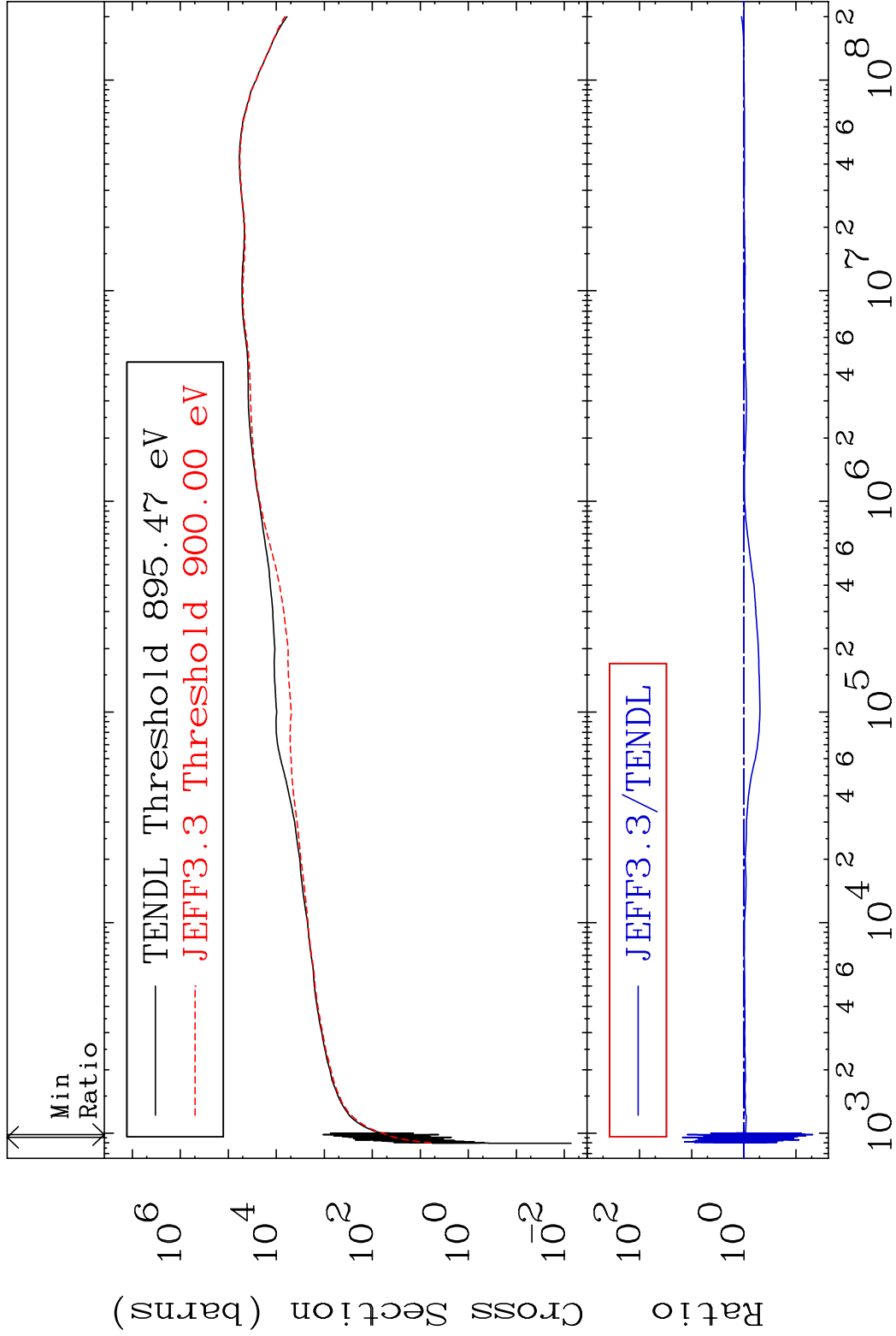


76 Incident Energy (eV) 62-Sm-151

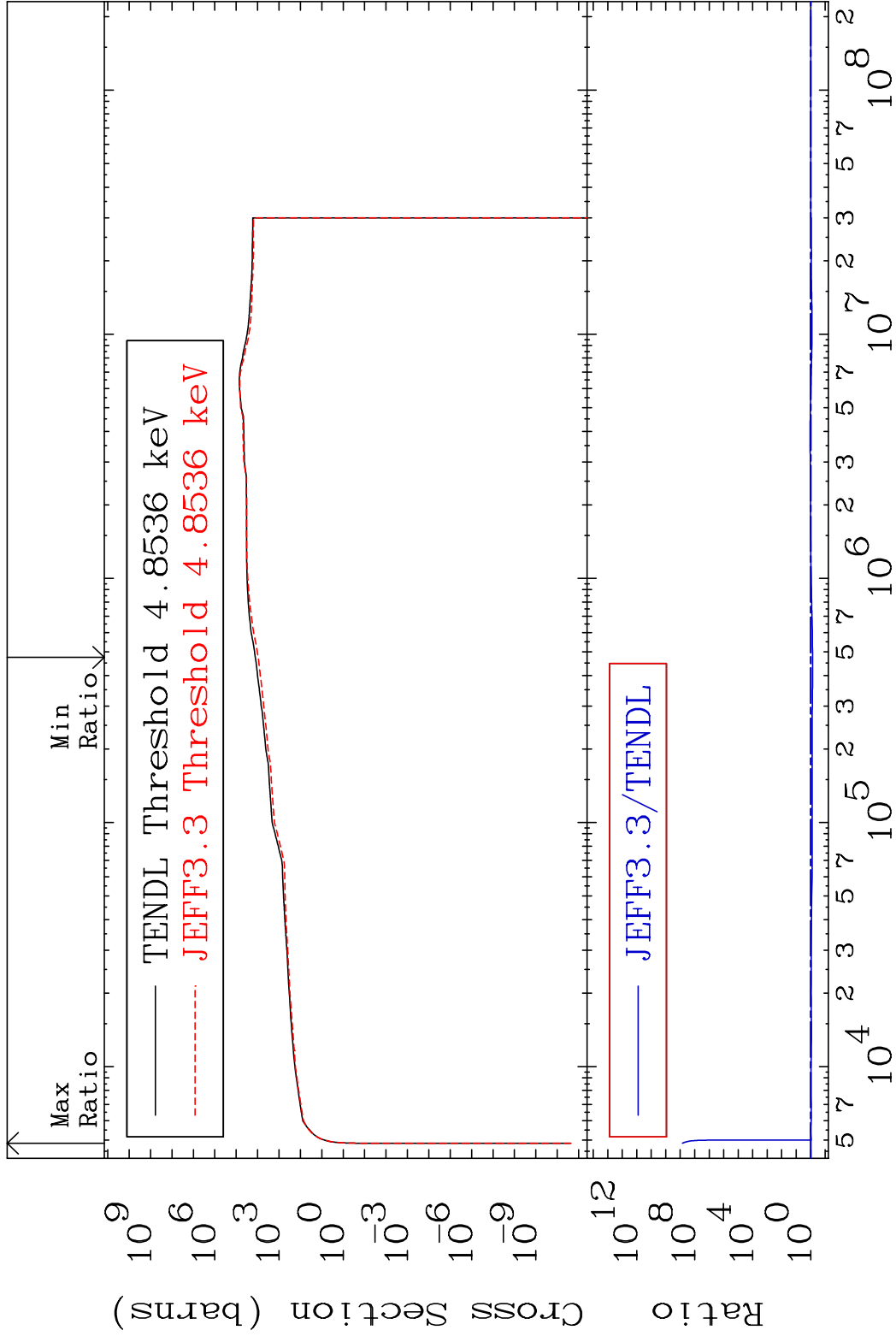
MAT 6246	Dpa total (eV-barns)	62-Sm-151
	Cross Section	-99.64 To 9999. %



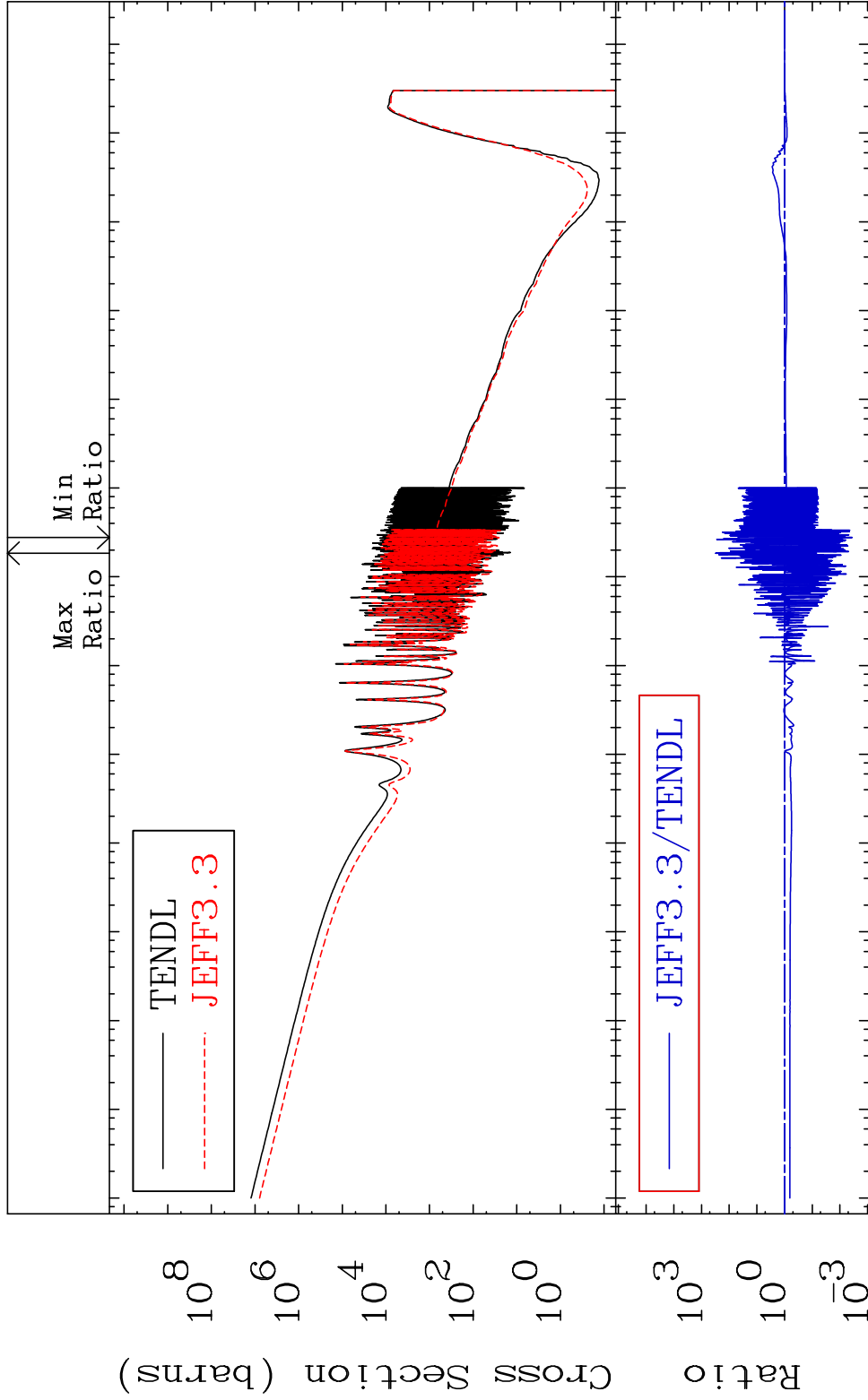
MAT 6246 Dpa elastic (mt2) 62-Sm-151
Cross Section -95.18 To 1410. %



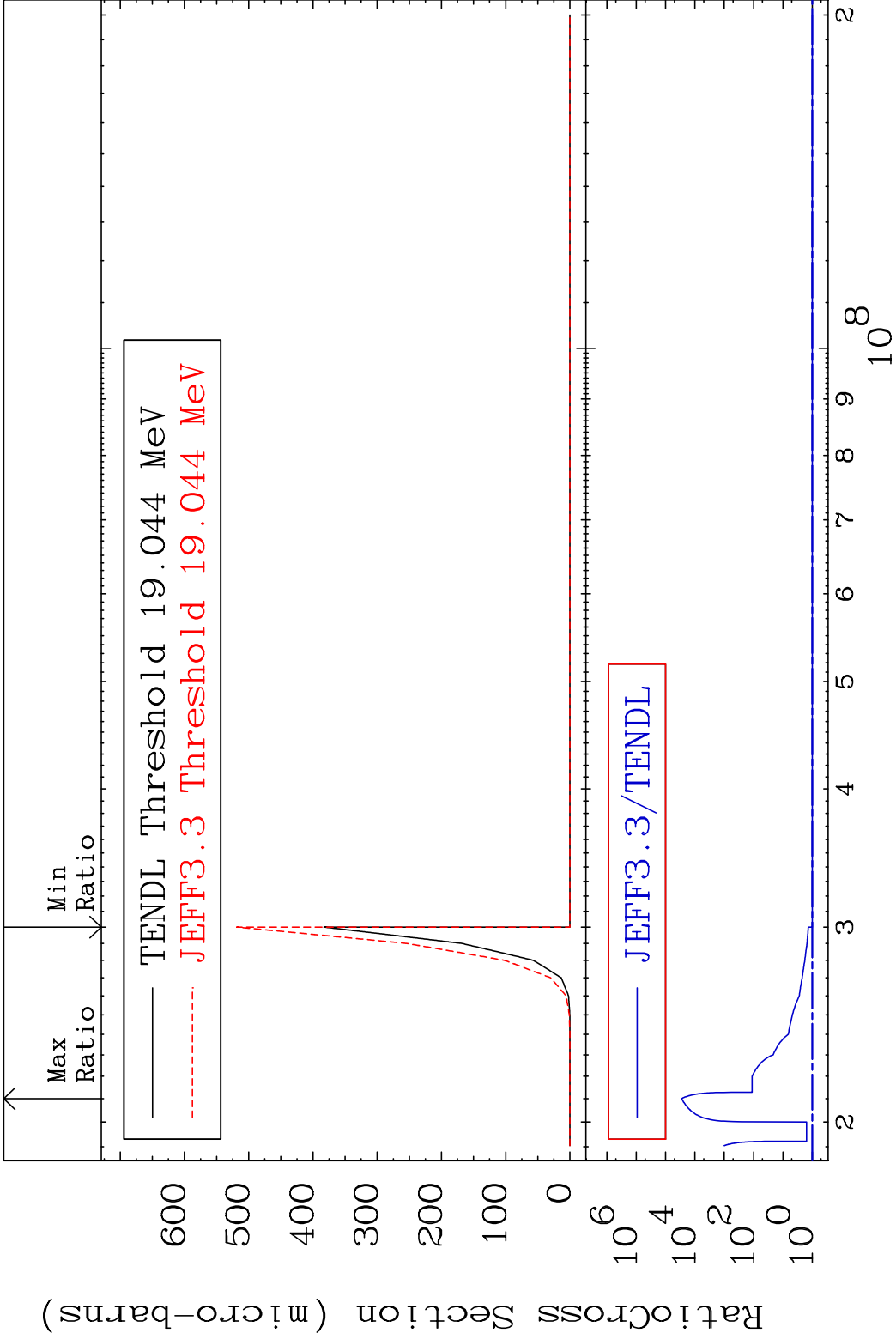
78 Incident Energy (eV) 62-Sm-151

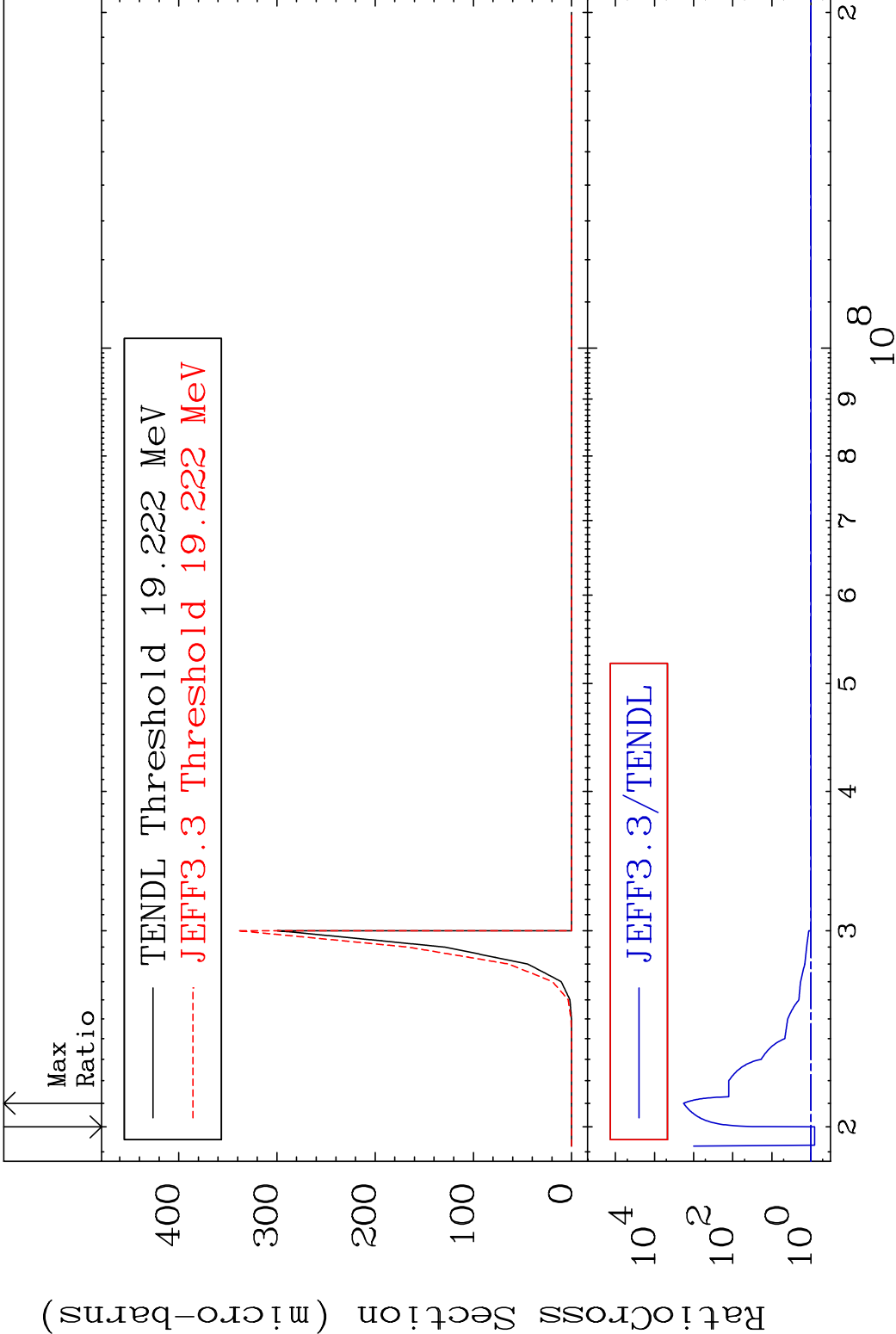


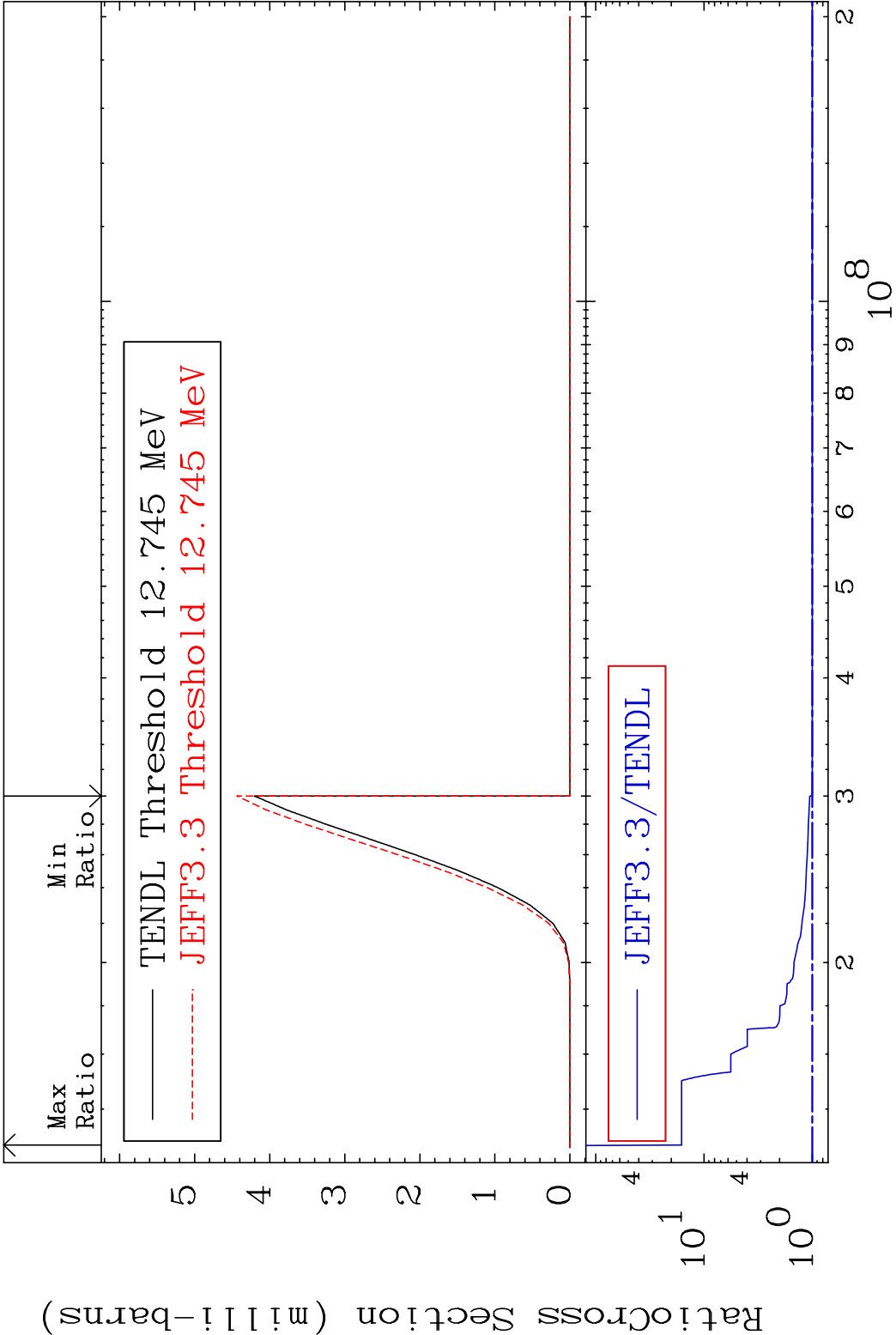
MAT 6246 Dpa disappearance (mt102 -120) 62-Sm-151
Cross Section -99.64 To 9999. %



80 Incident Energy (eV) 62-Sm-151



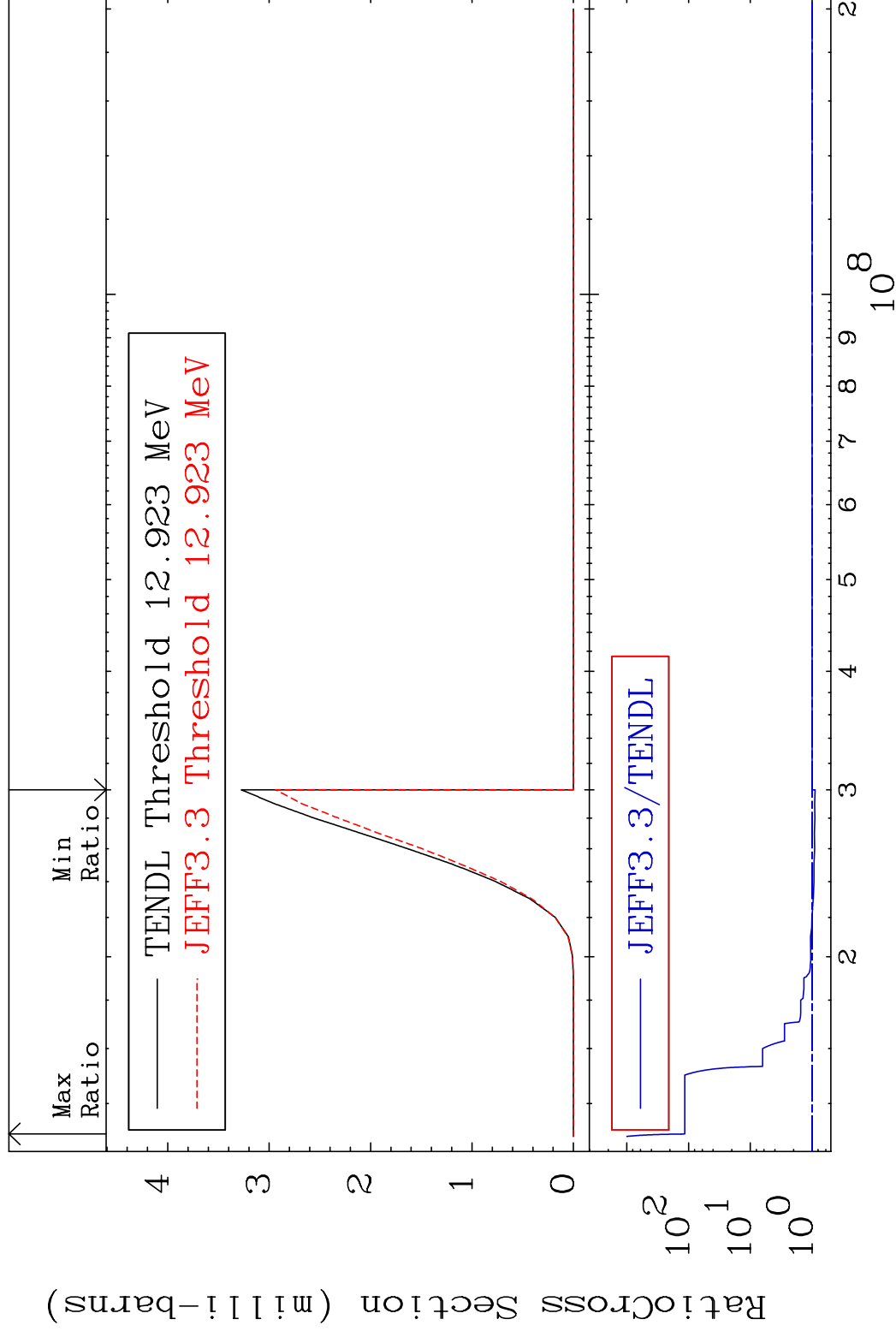


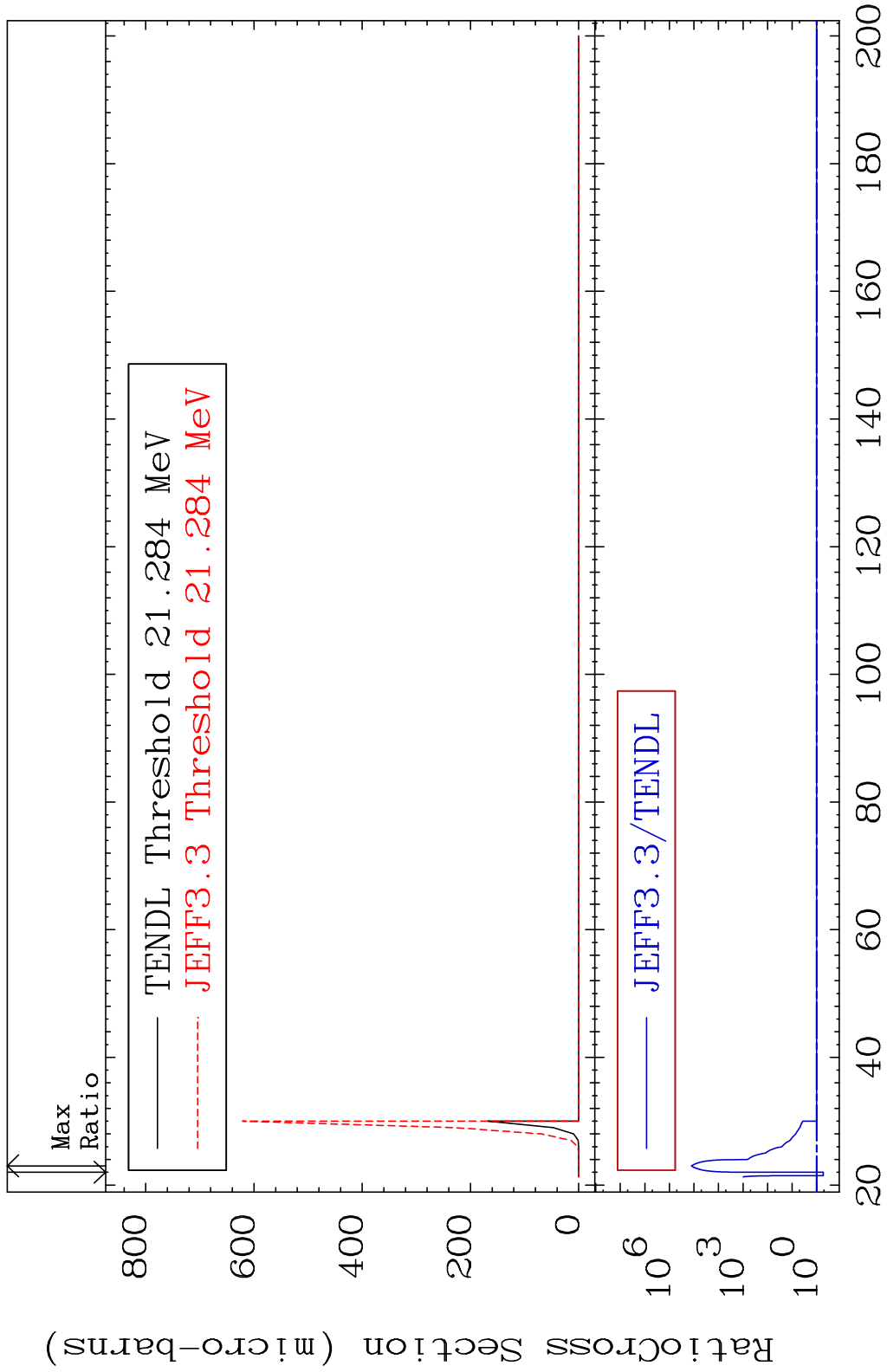


Radionuclide Production Cross-Section, %

Seizième

9999.9%





Radionuclide Production Cross Section, %

