

Program Complot
(Version 2021-1)

by

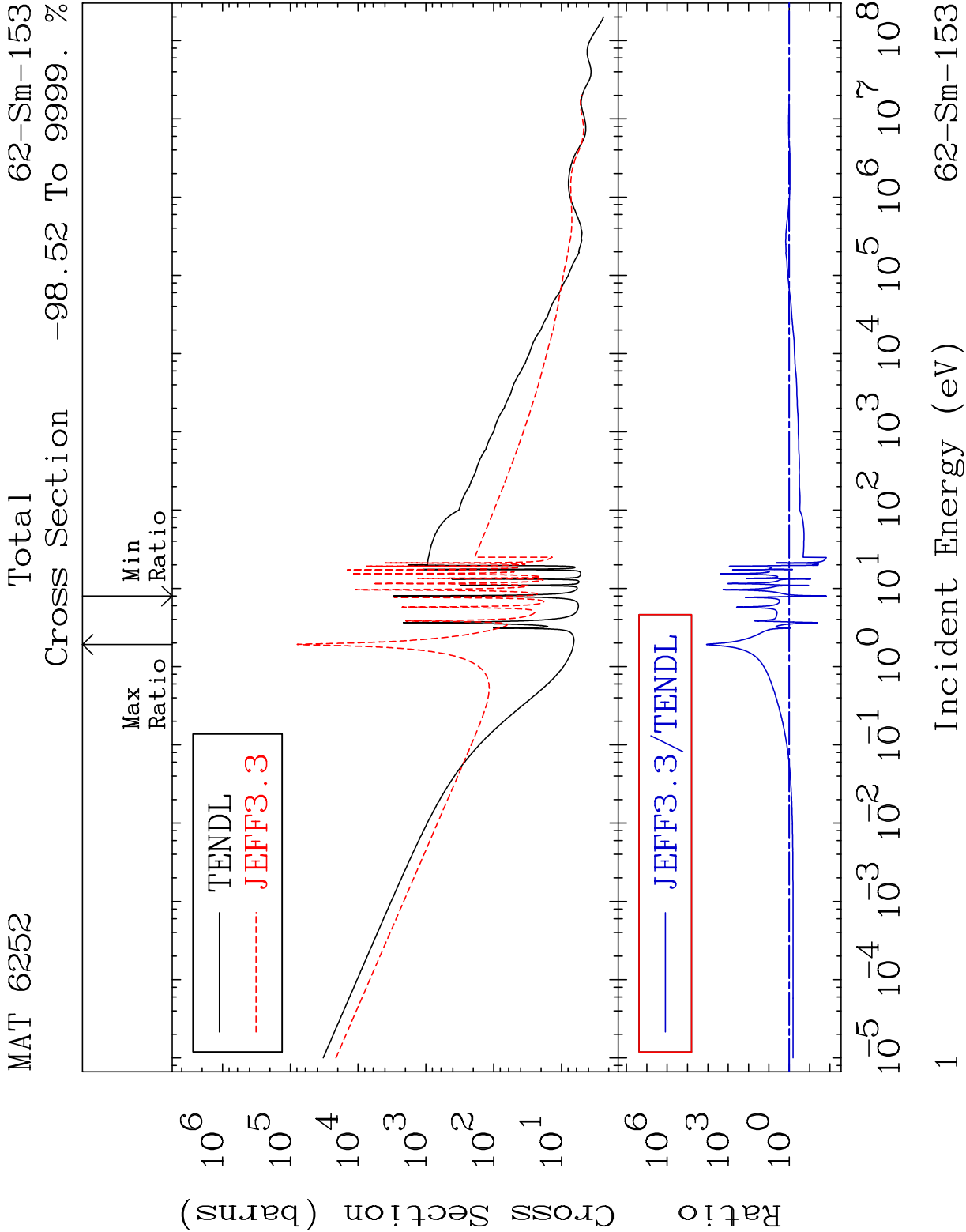
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Press Mouse Button to Start

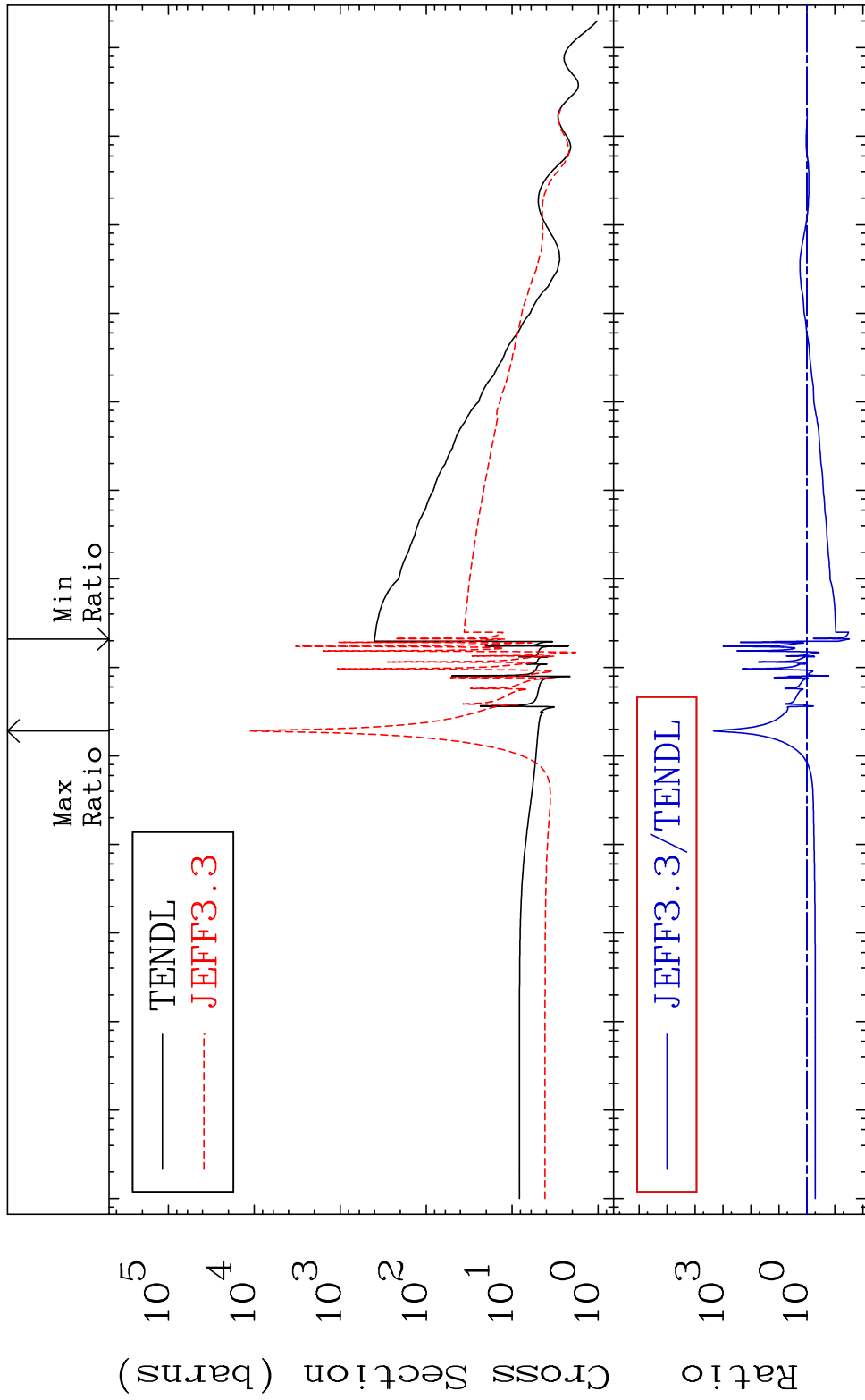


MAT 6252

62-Sm-153

Elastic

Cross Section -96.94 To 9999. %

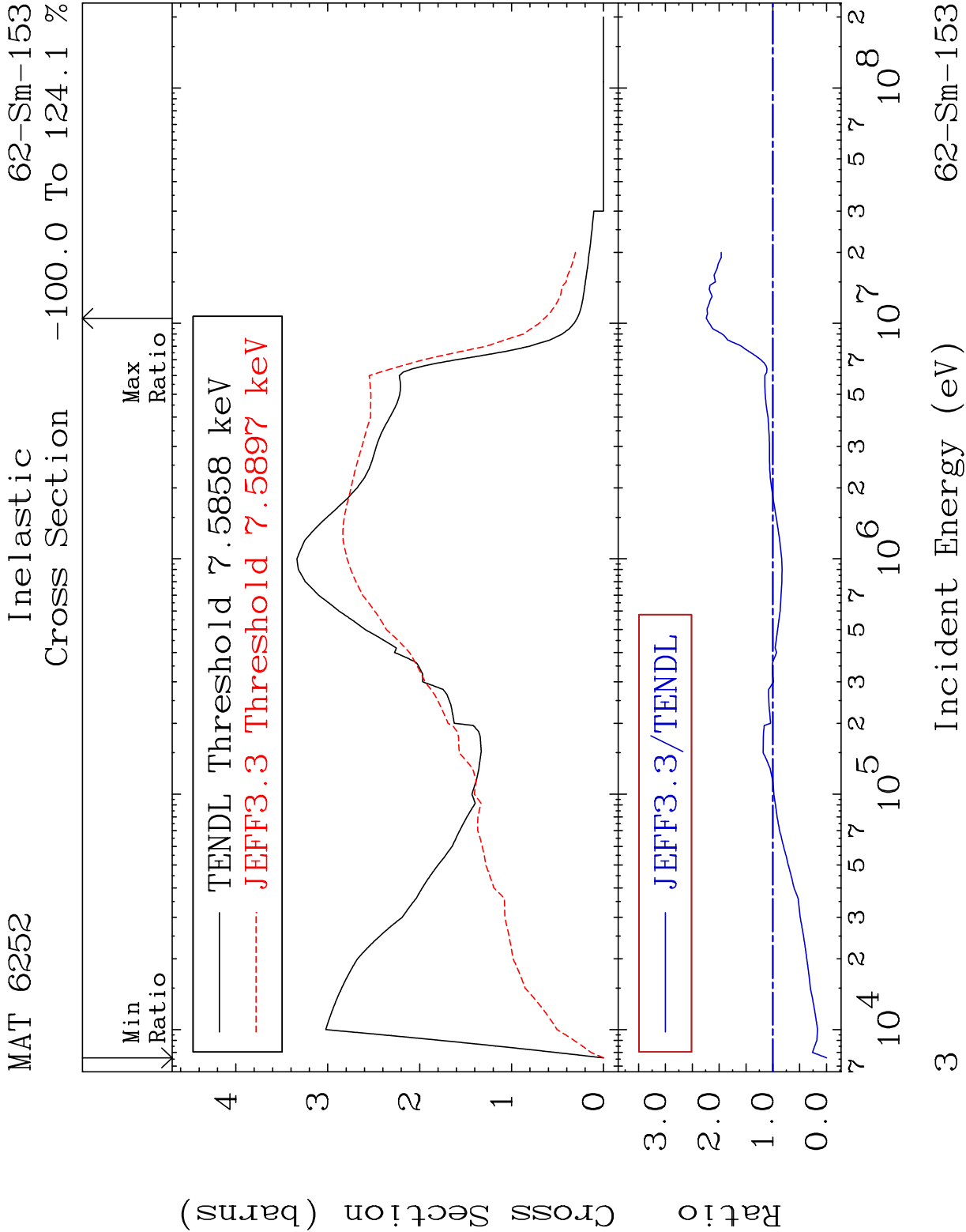


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

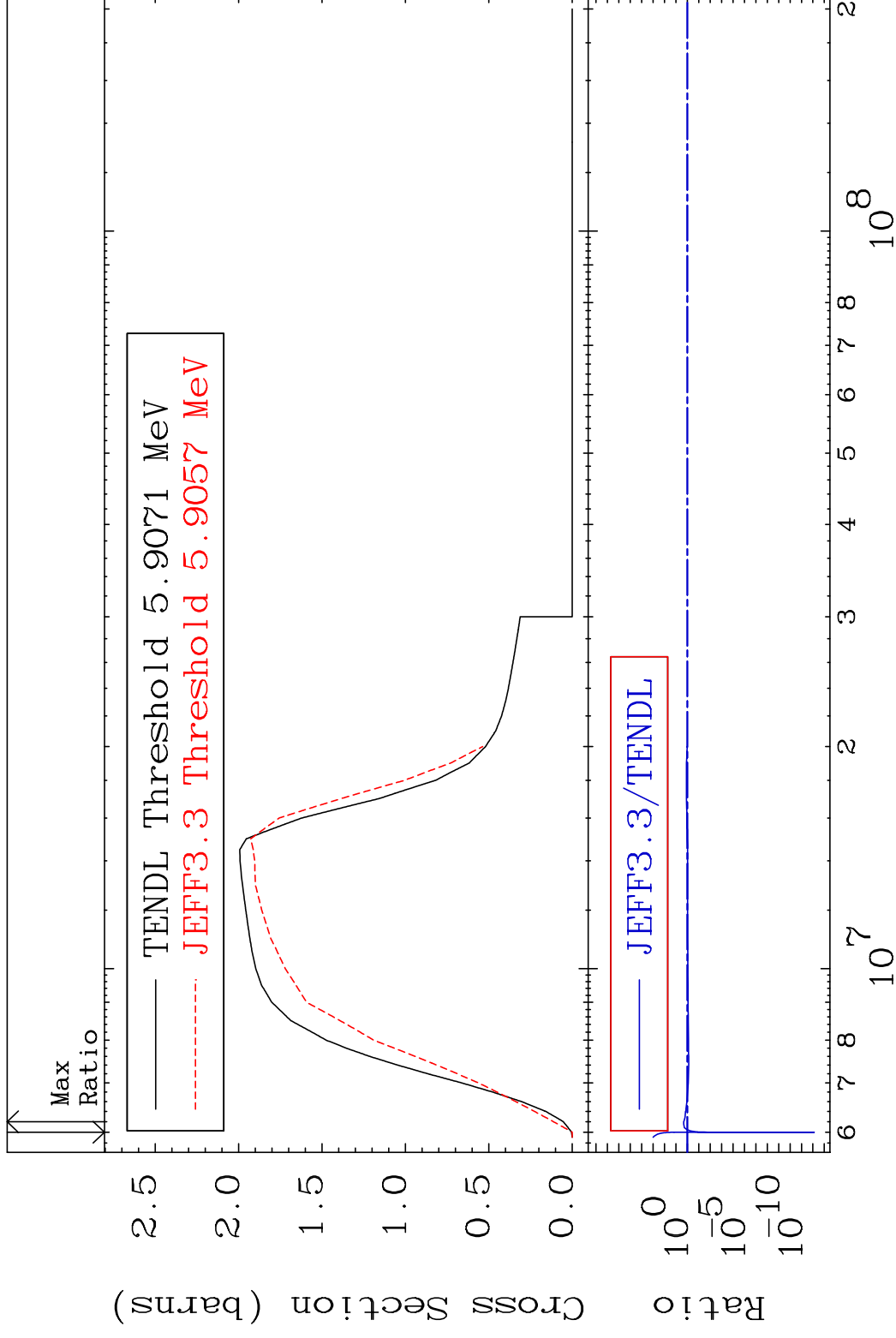
62-Sm-153



MAT 6252

$$(n, 2n)$$

62-Sm-153

Cross Section -100.0 To 110.8 %

TENDL Threshold 5.9071 MeV

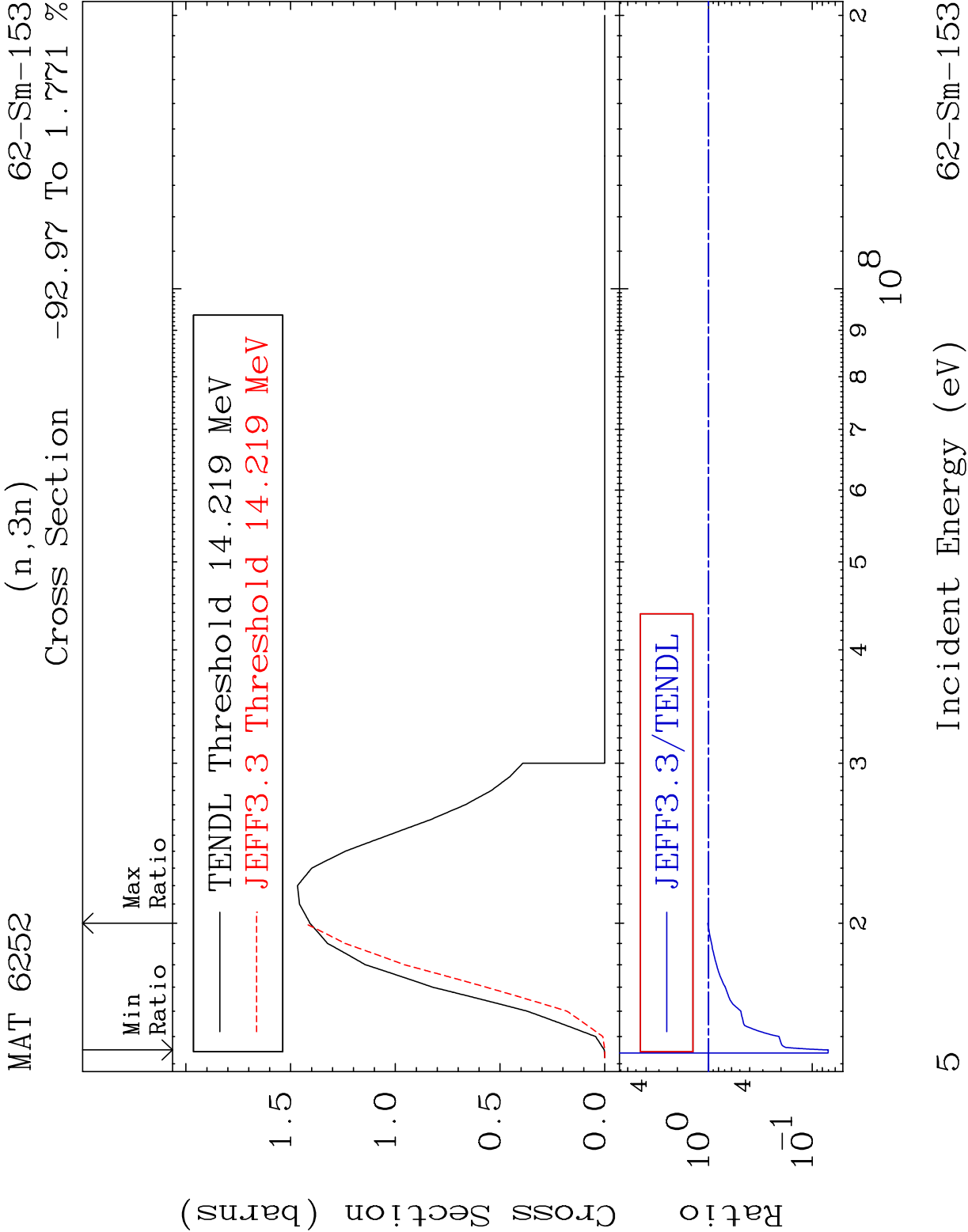
JEFF3.3 Threshold 5.9057 MeV

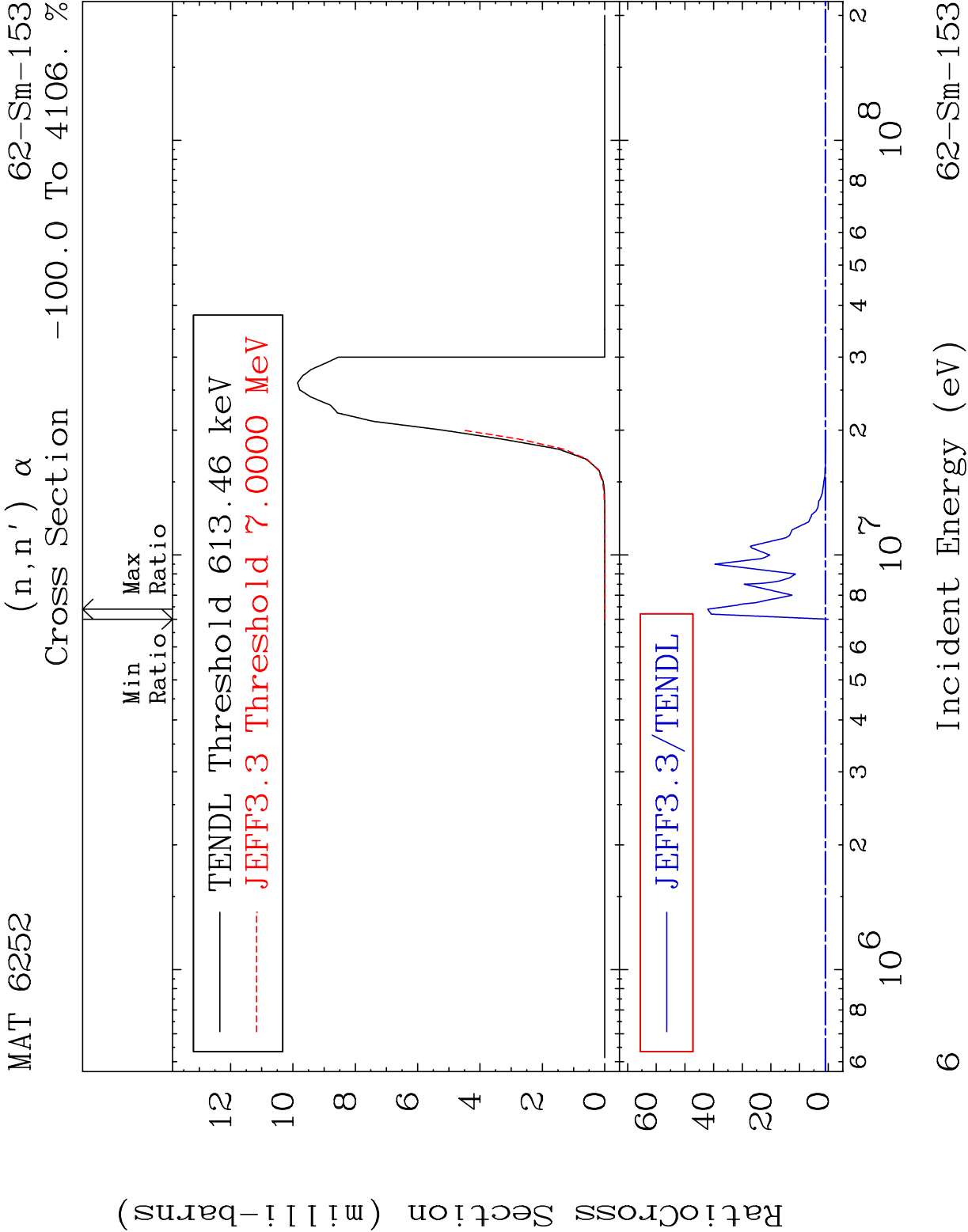
JEFF3.3/TENDL

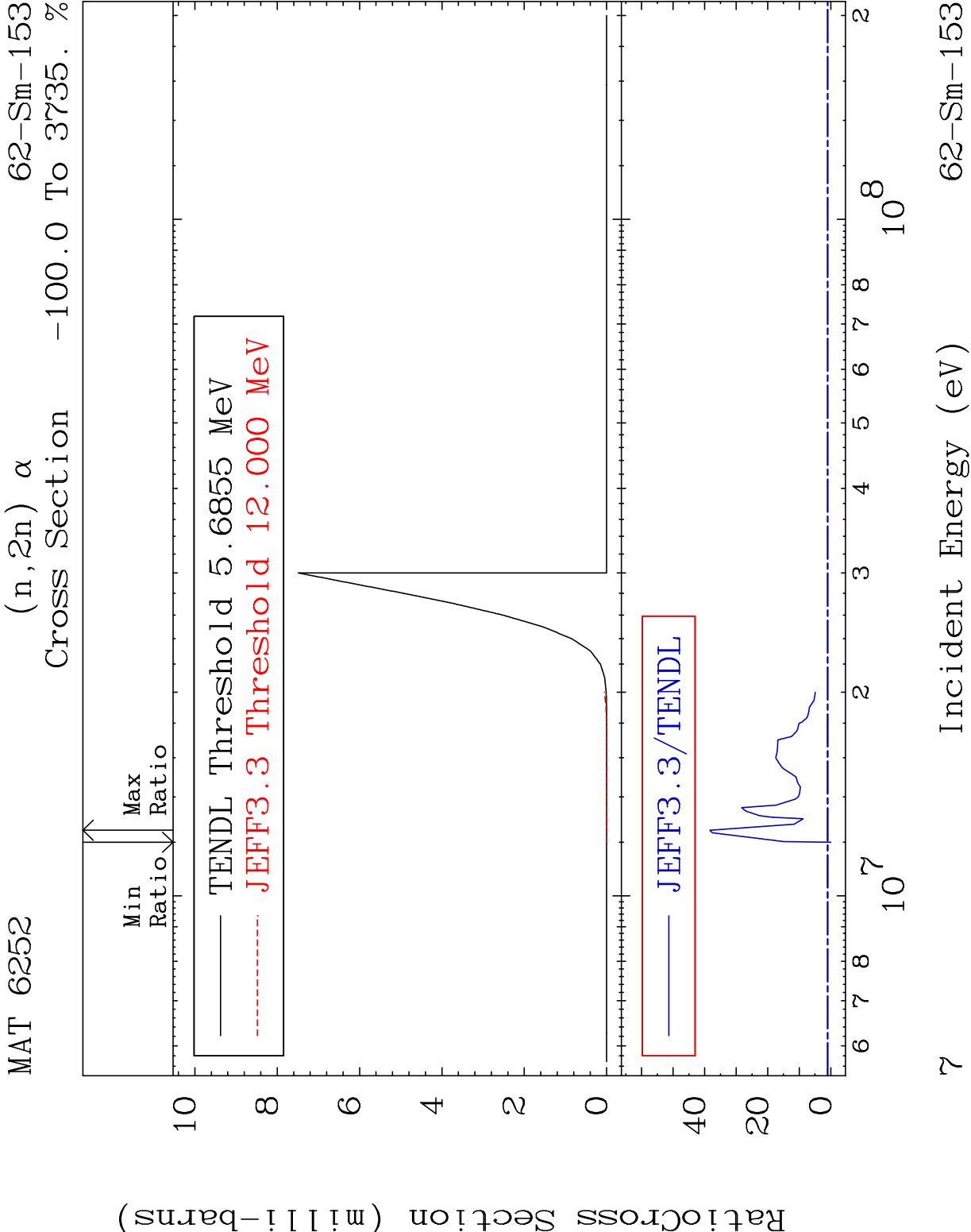
4

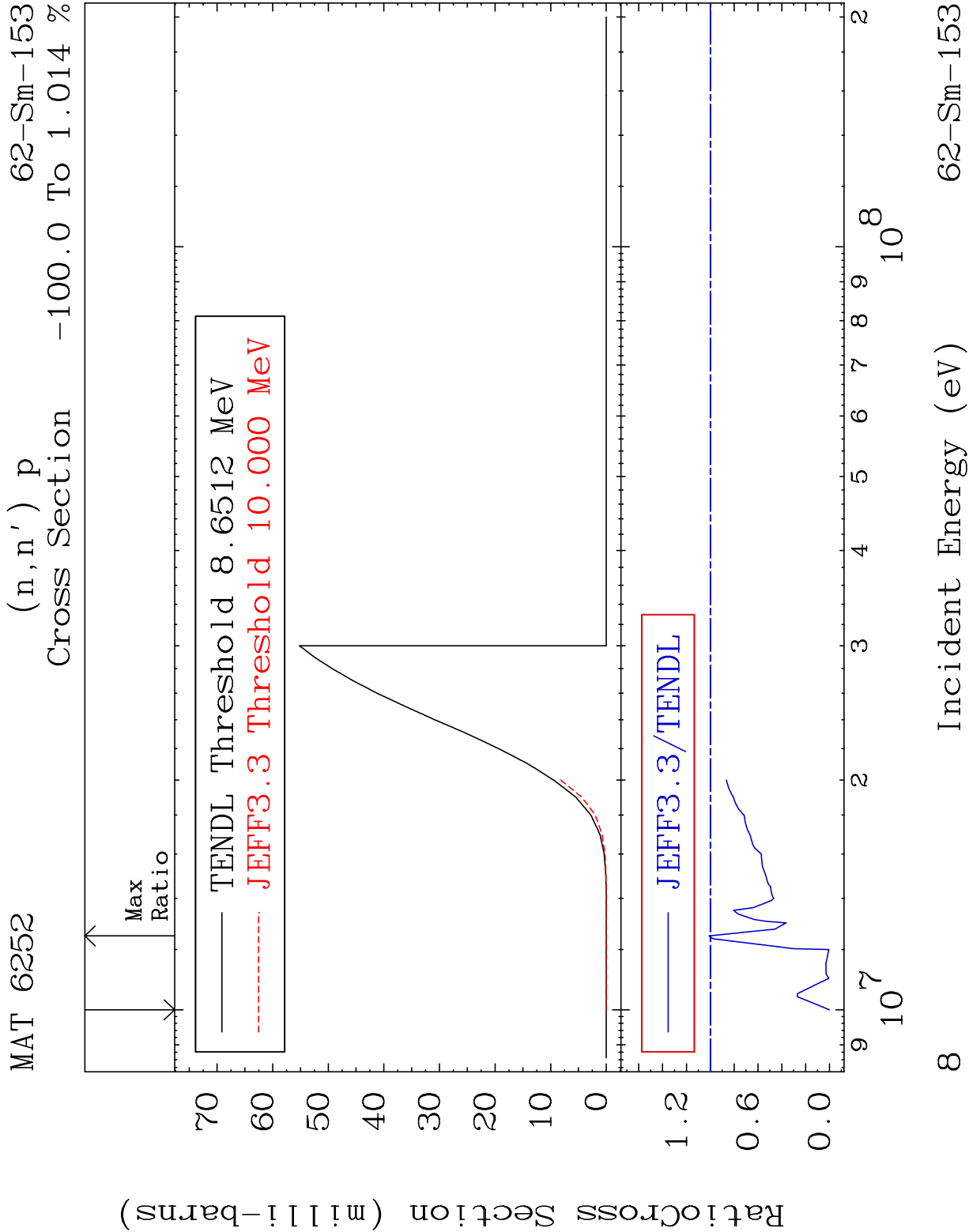
Incident Energy (eV)

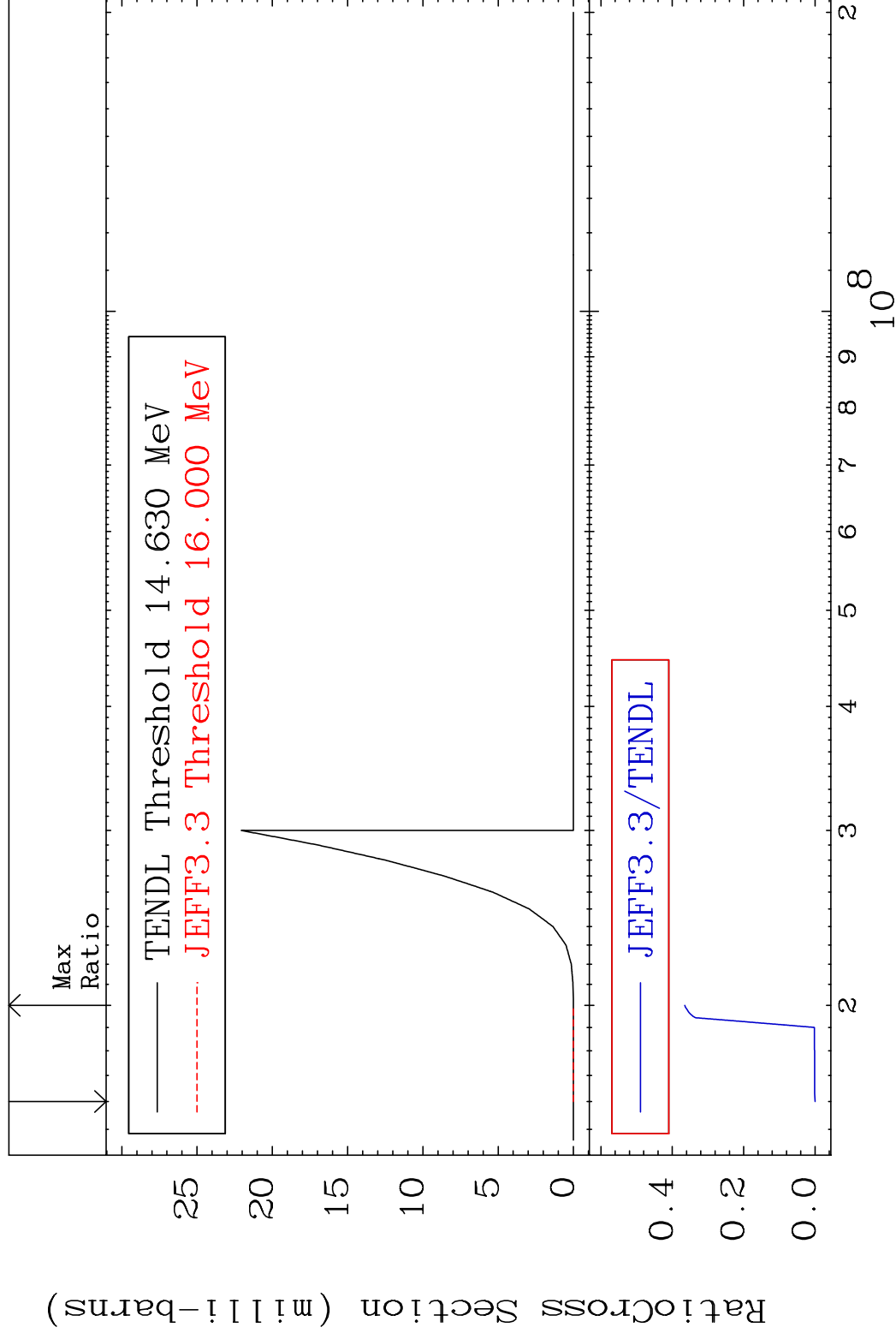
62-Sm-153

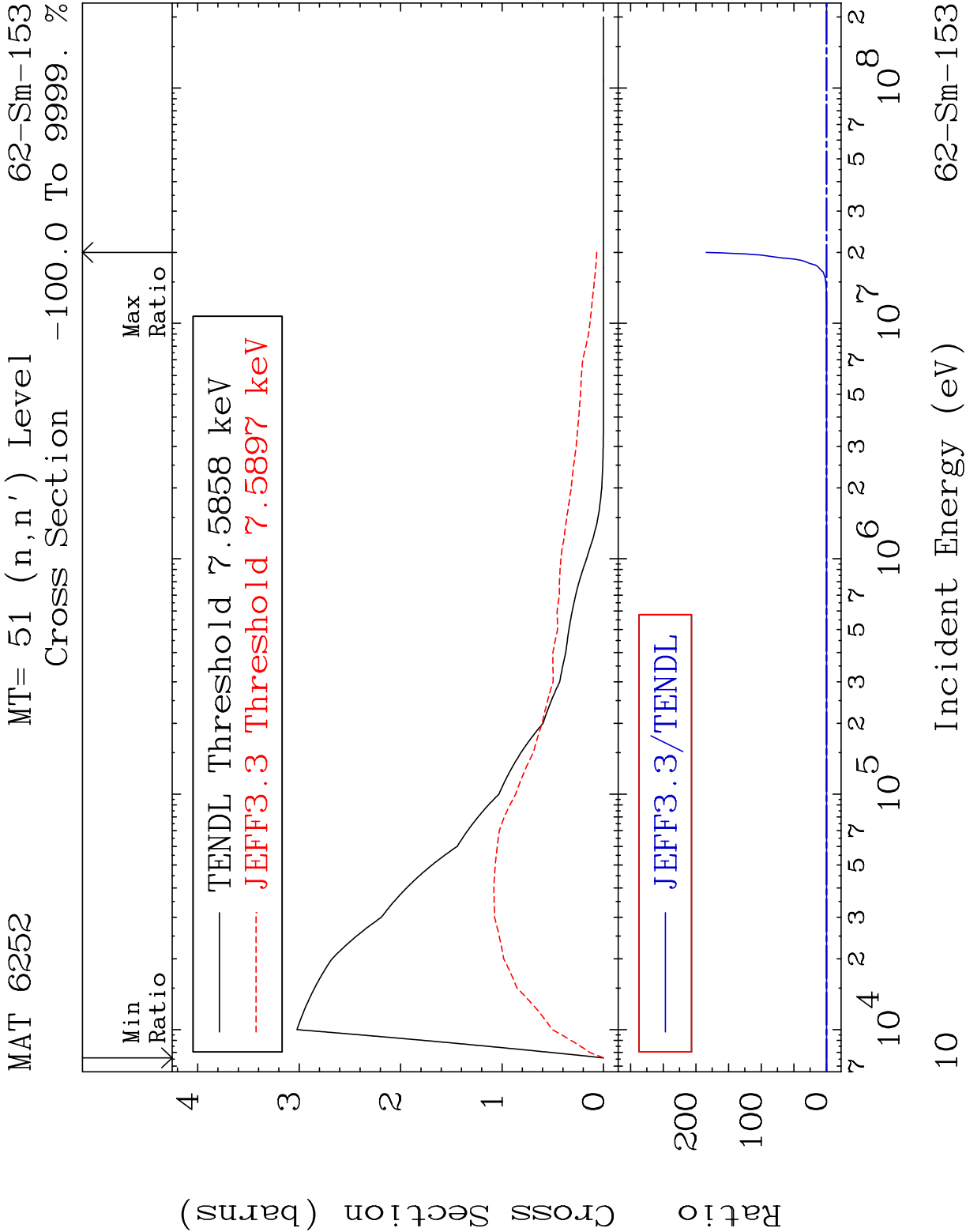




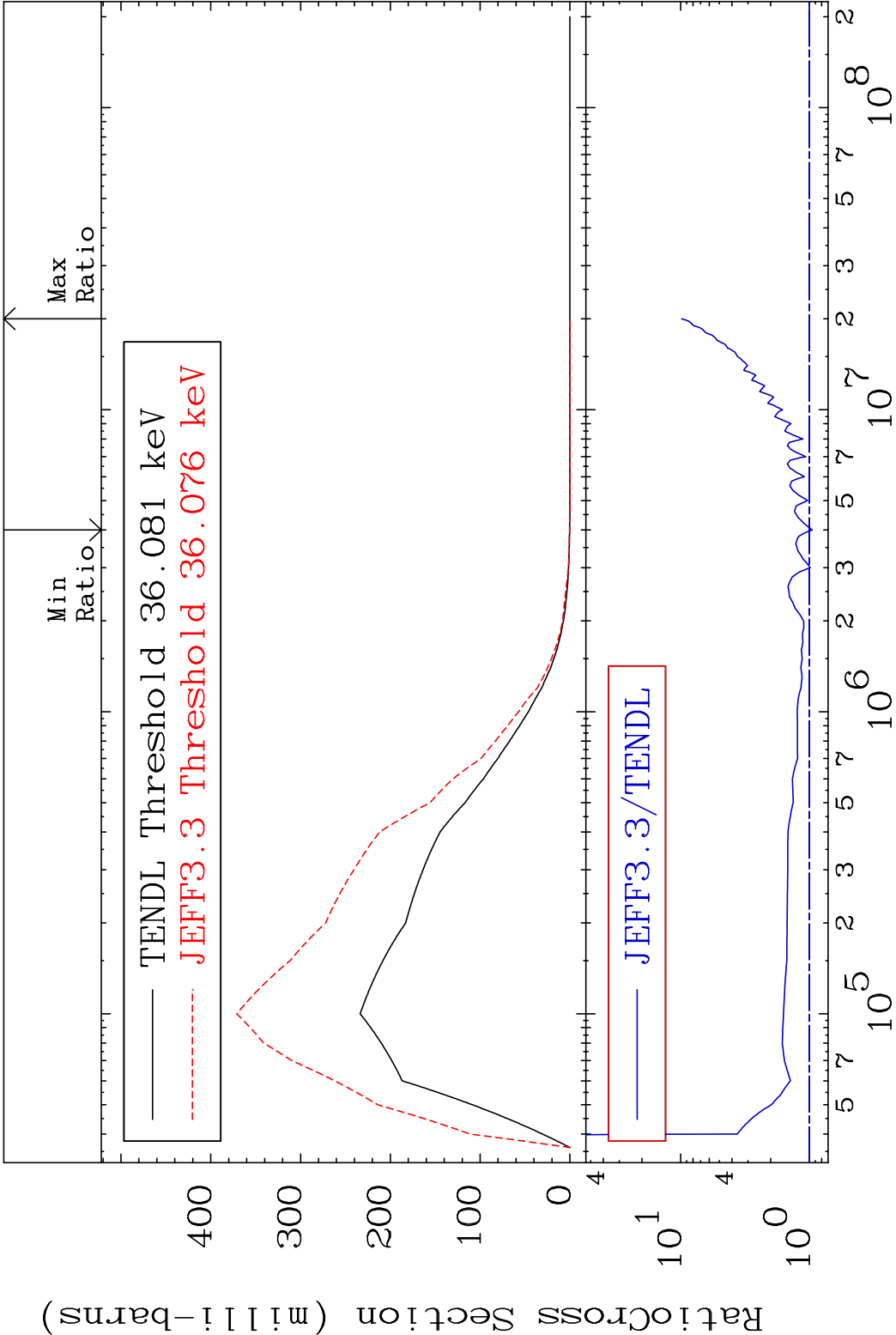








MAT 6252	MT= 52 (n,n')	Level	62-Sm-153
	Cross Section	-5.162 To 884.6 %	



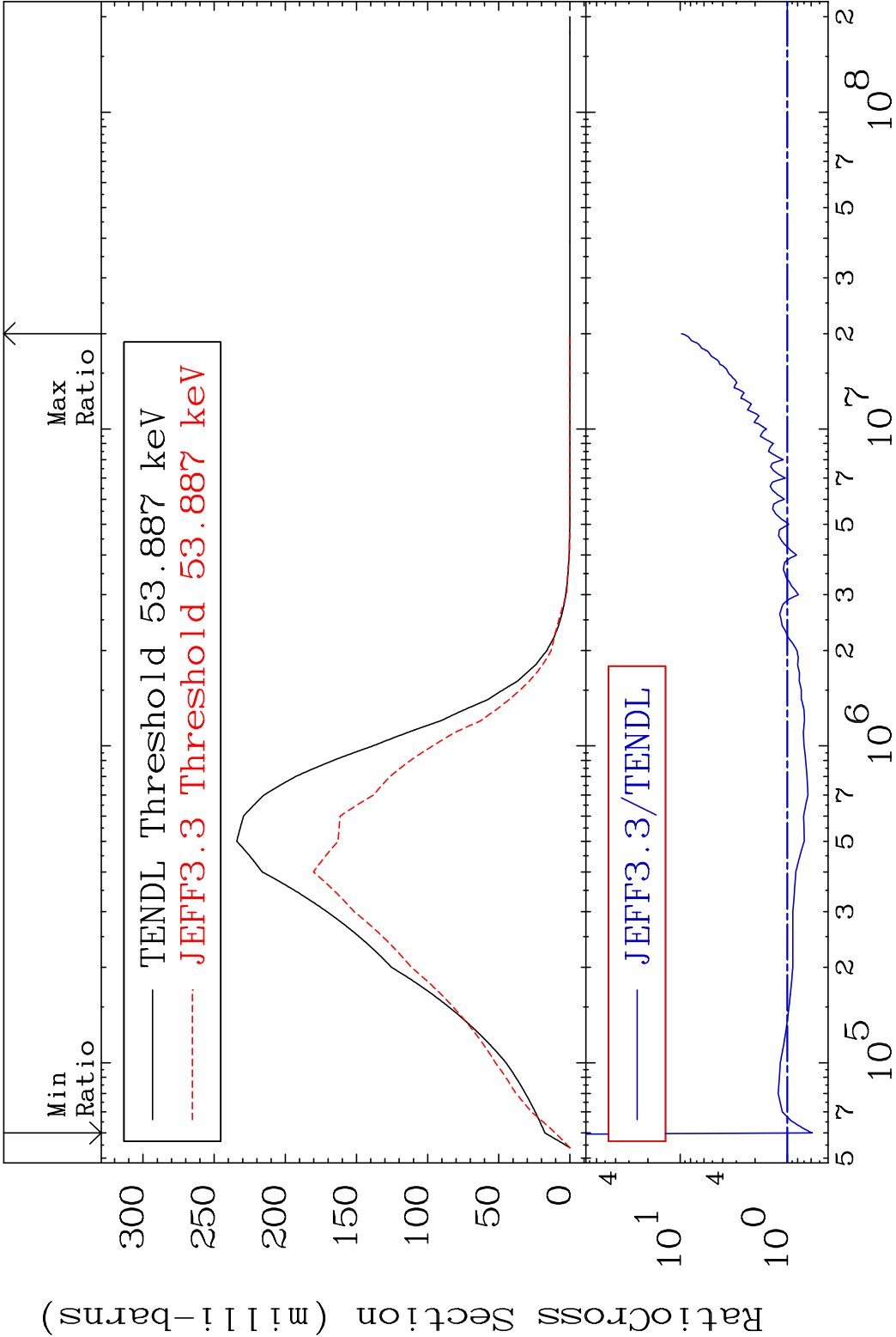
MAT 6252

MT= 53 (n,n') Level

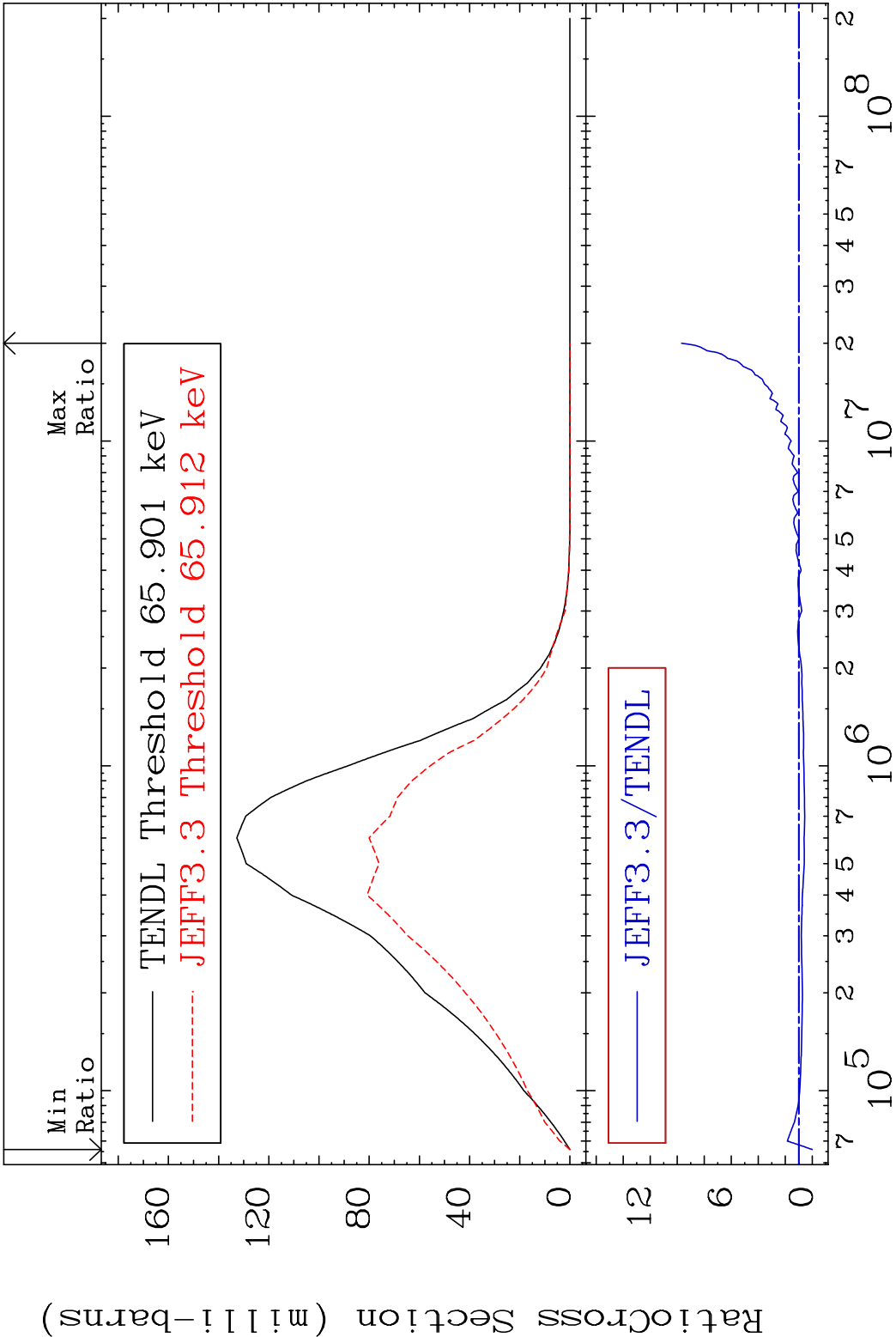
62-Sm-153

Cross Section

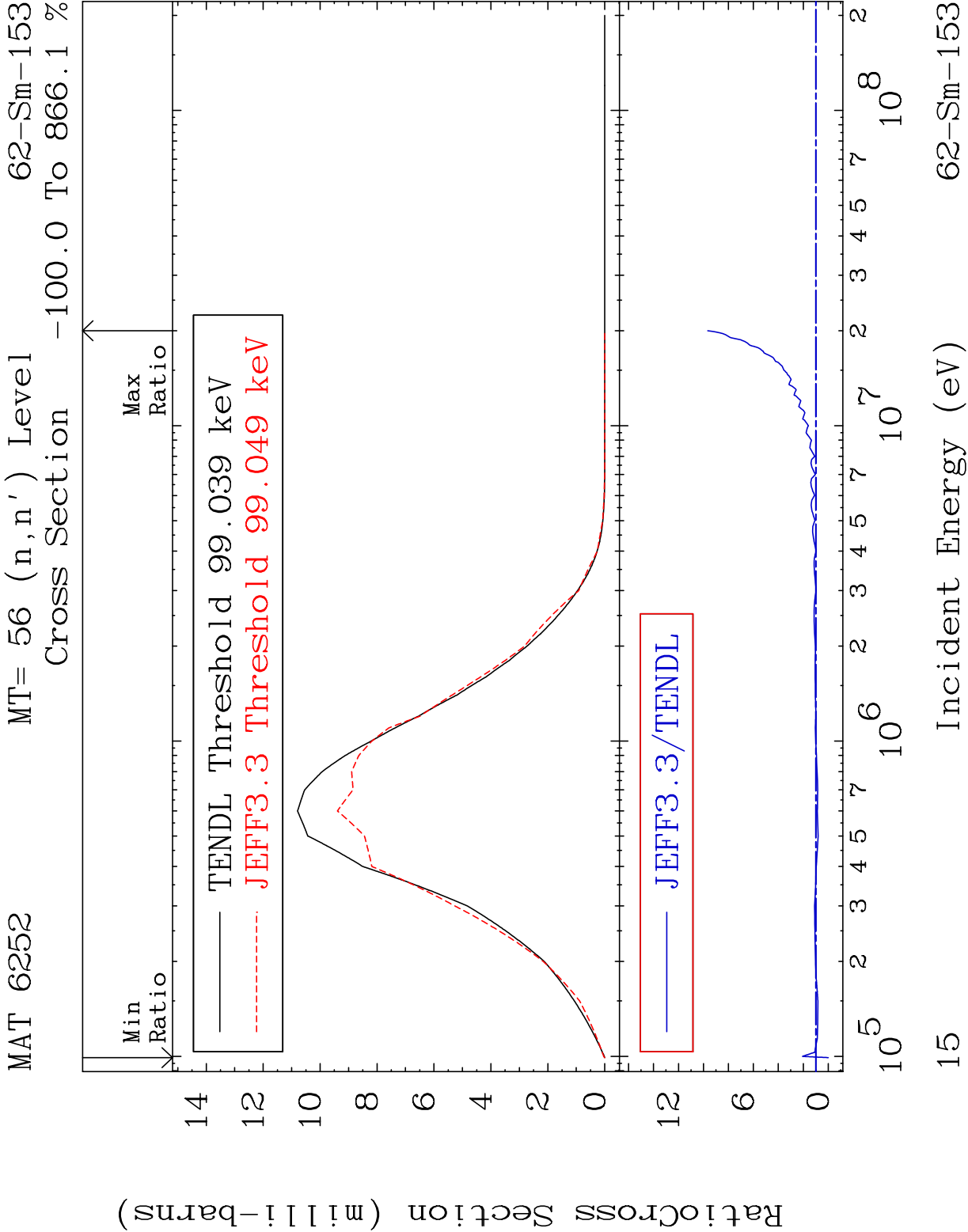
-41.42 To 870.4 %



MAT 6252 MT= 54 (n,n') Level 62-Sm-153
 Cross Section -100.0 To 867.8 %



13 Incident Energy (eV) 62-Sm-153



MAT 6252

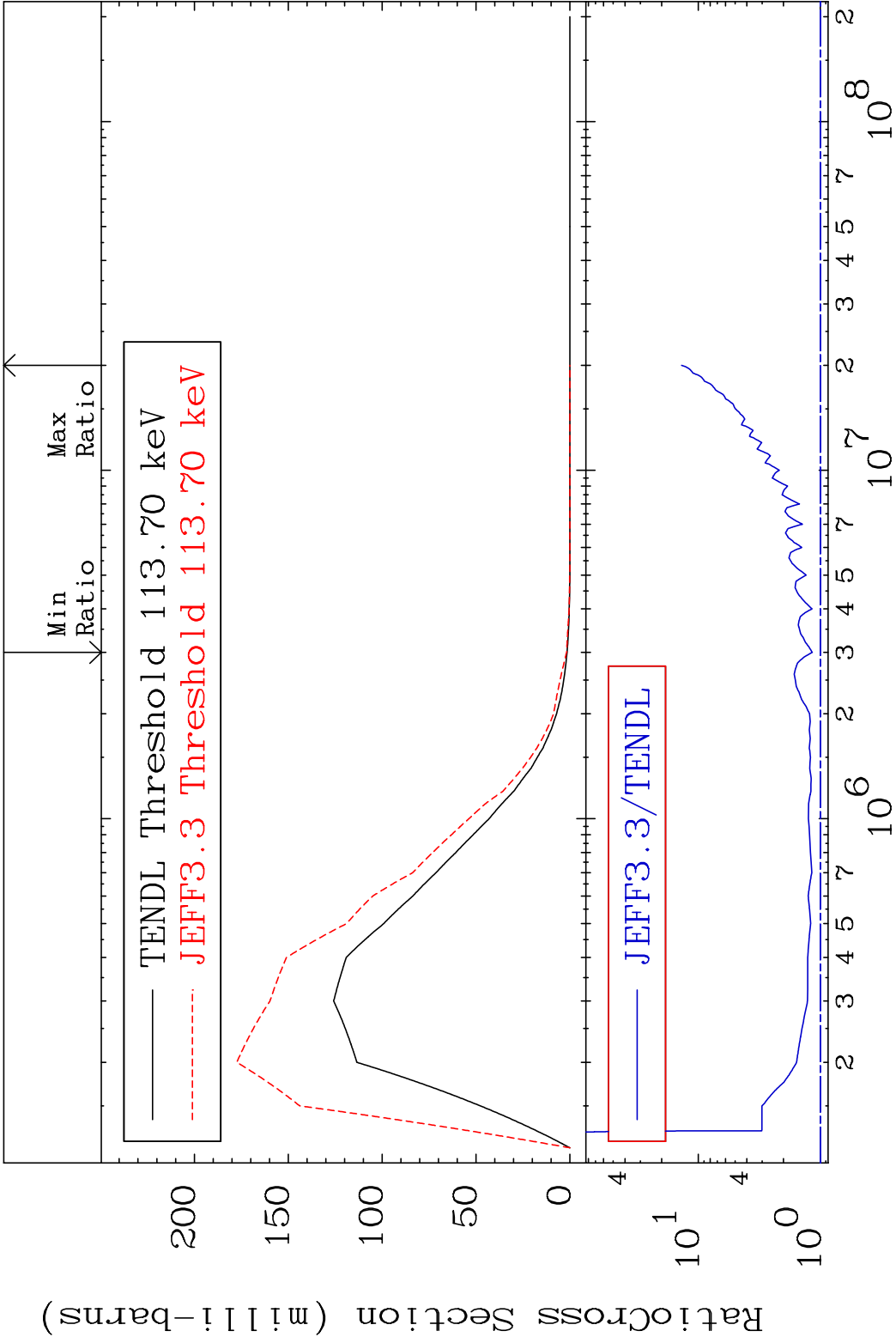
MT= 57 (n,n') Level

62-Sm-153

Cross Section

16.30

To 1275. %



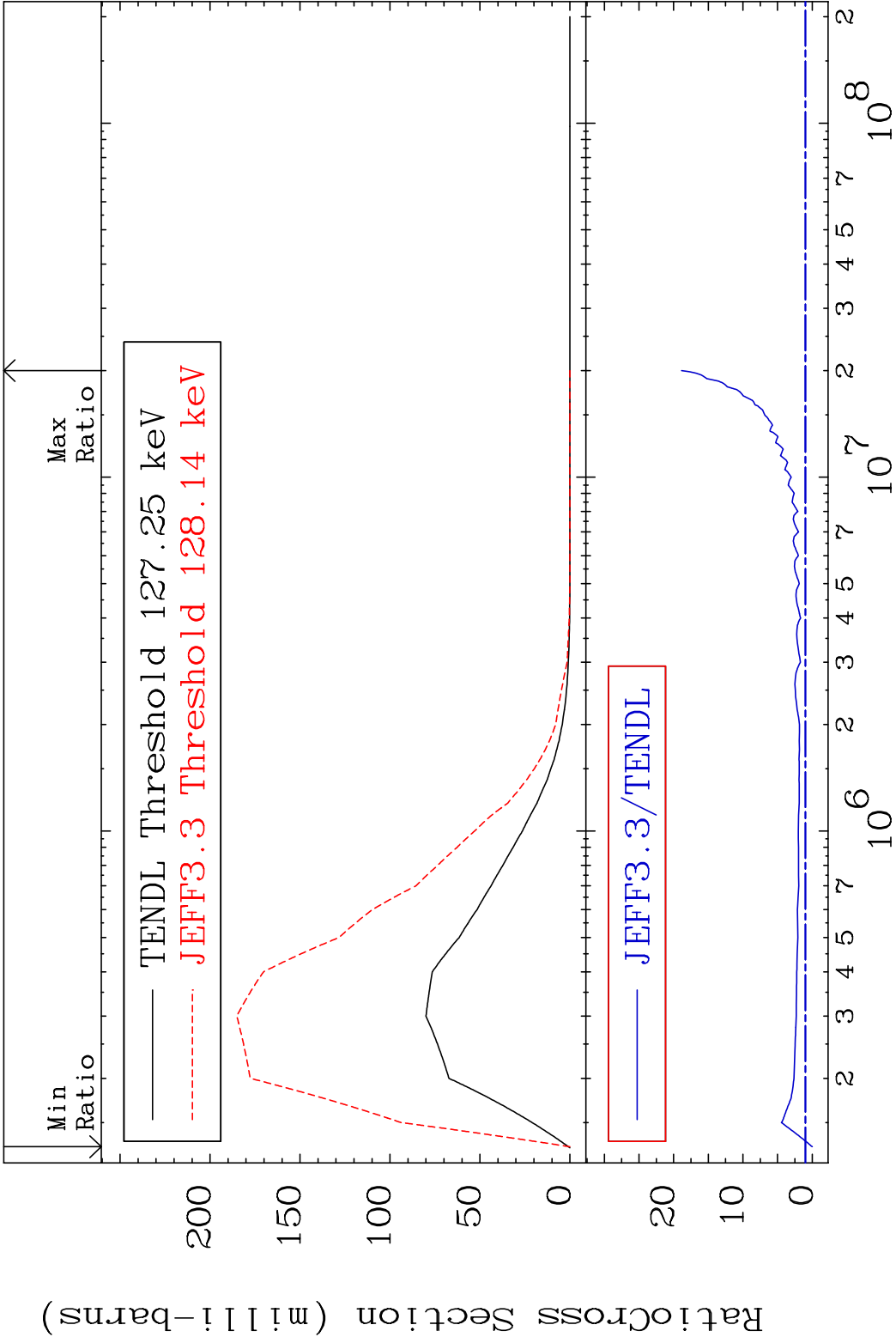
MAT 6252

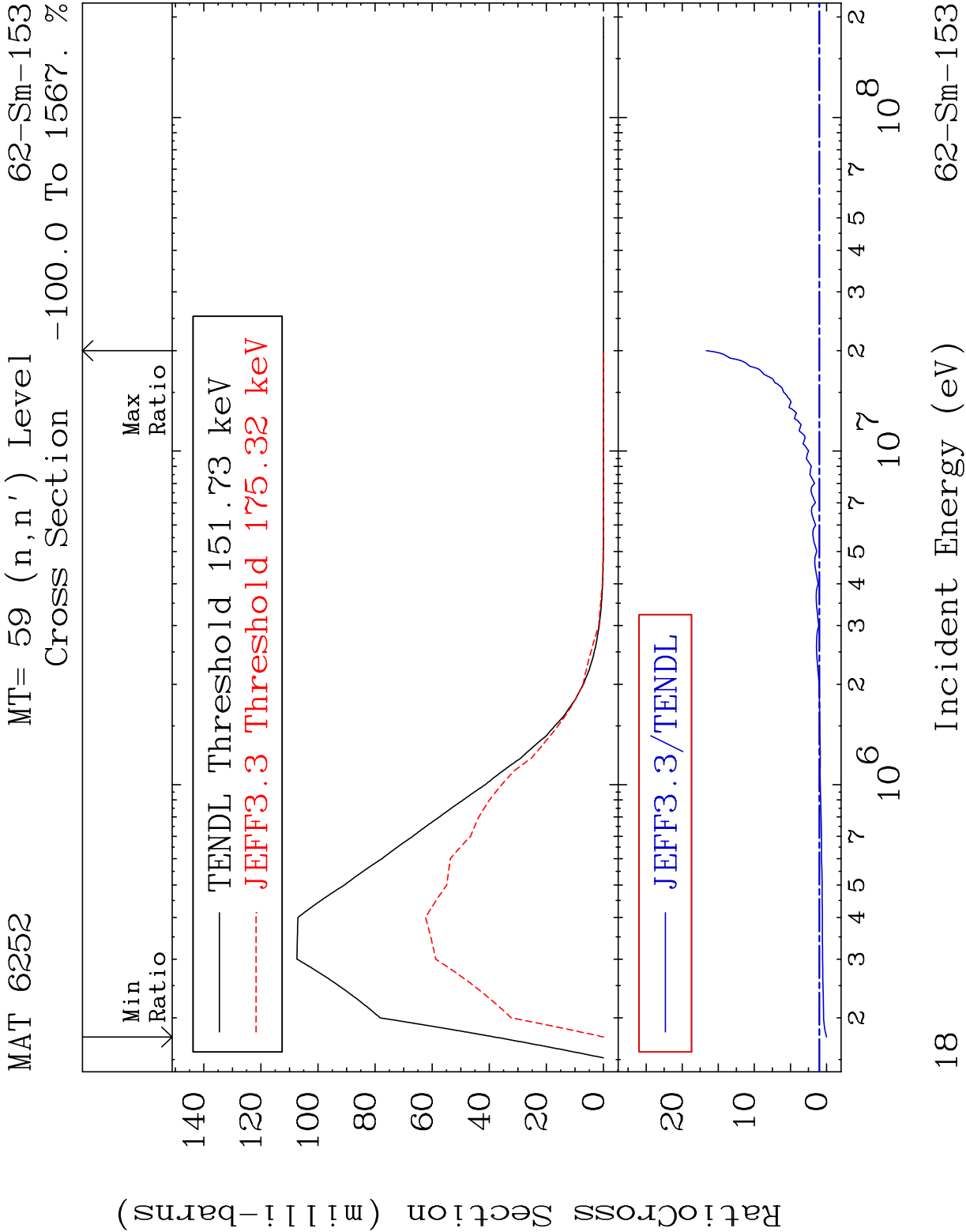
MT= 58 (n,n') Level

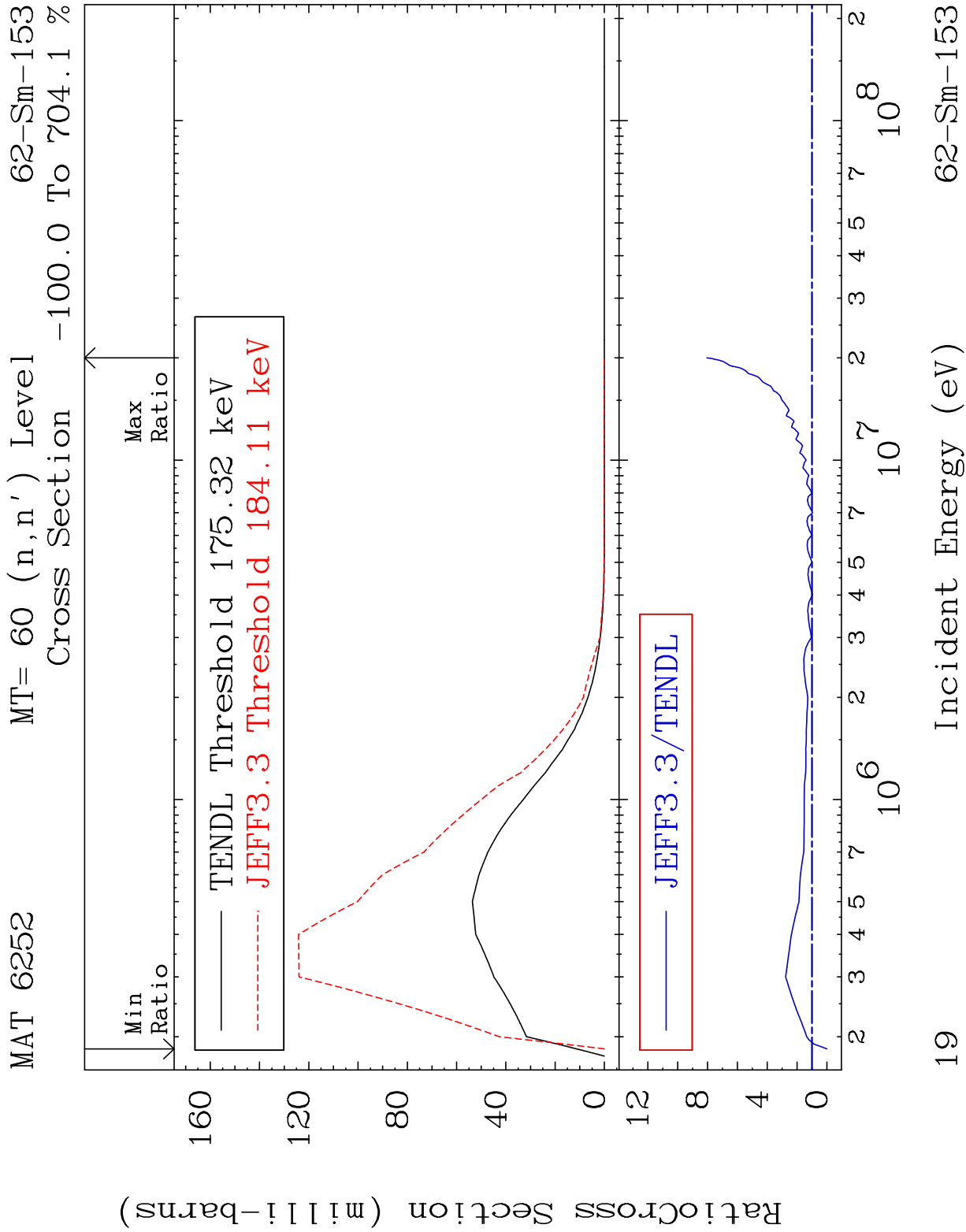
62-Sm-153

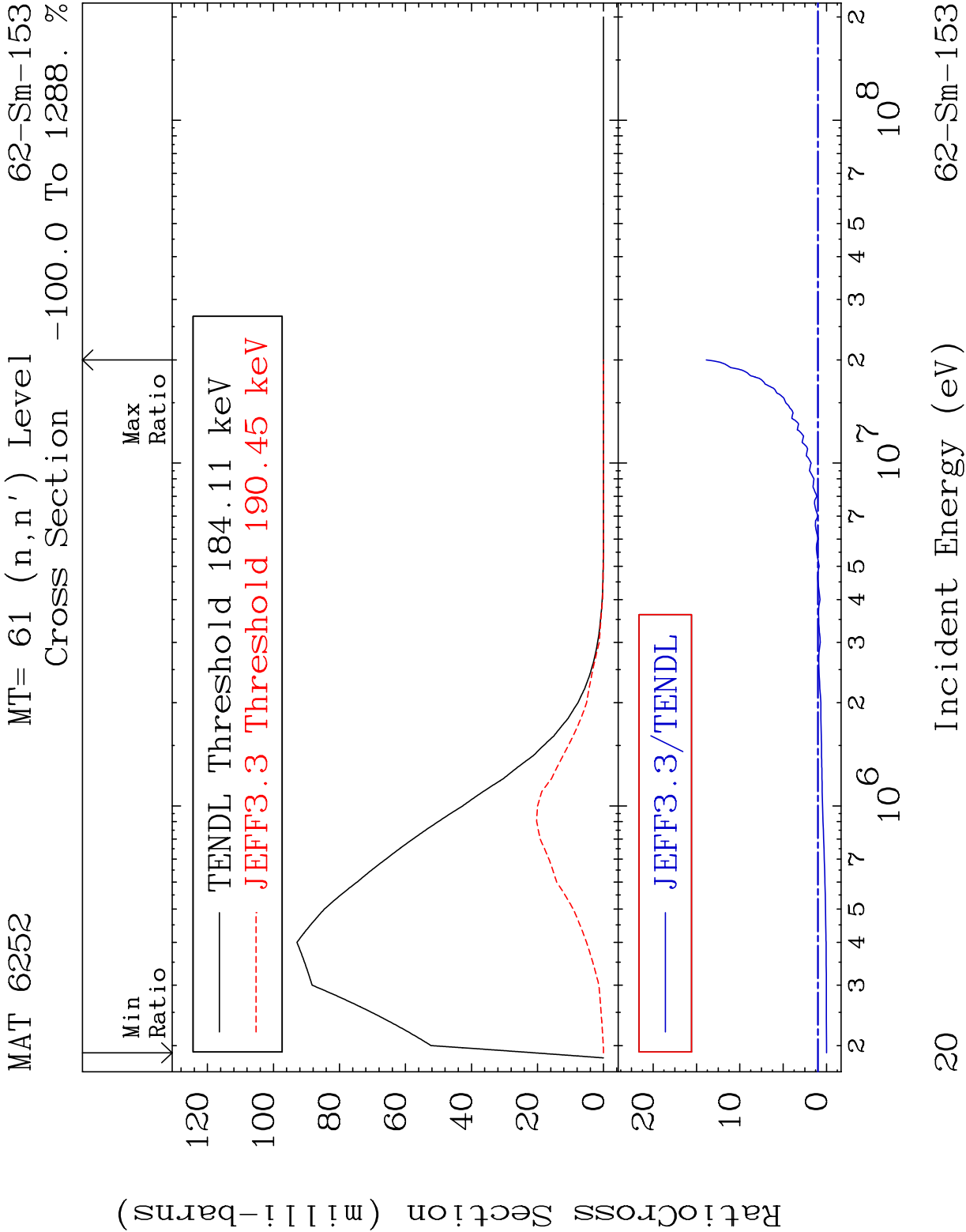
Cross Section

-100.0 To 1786. %









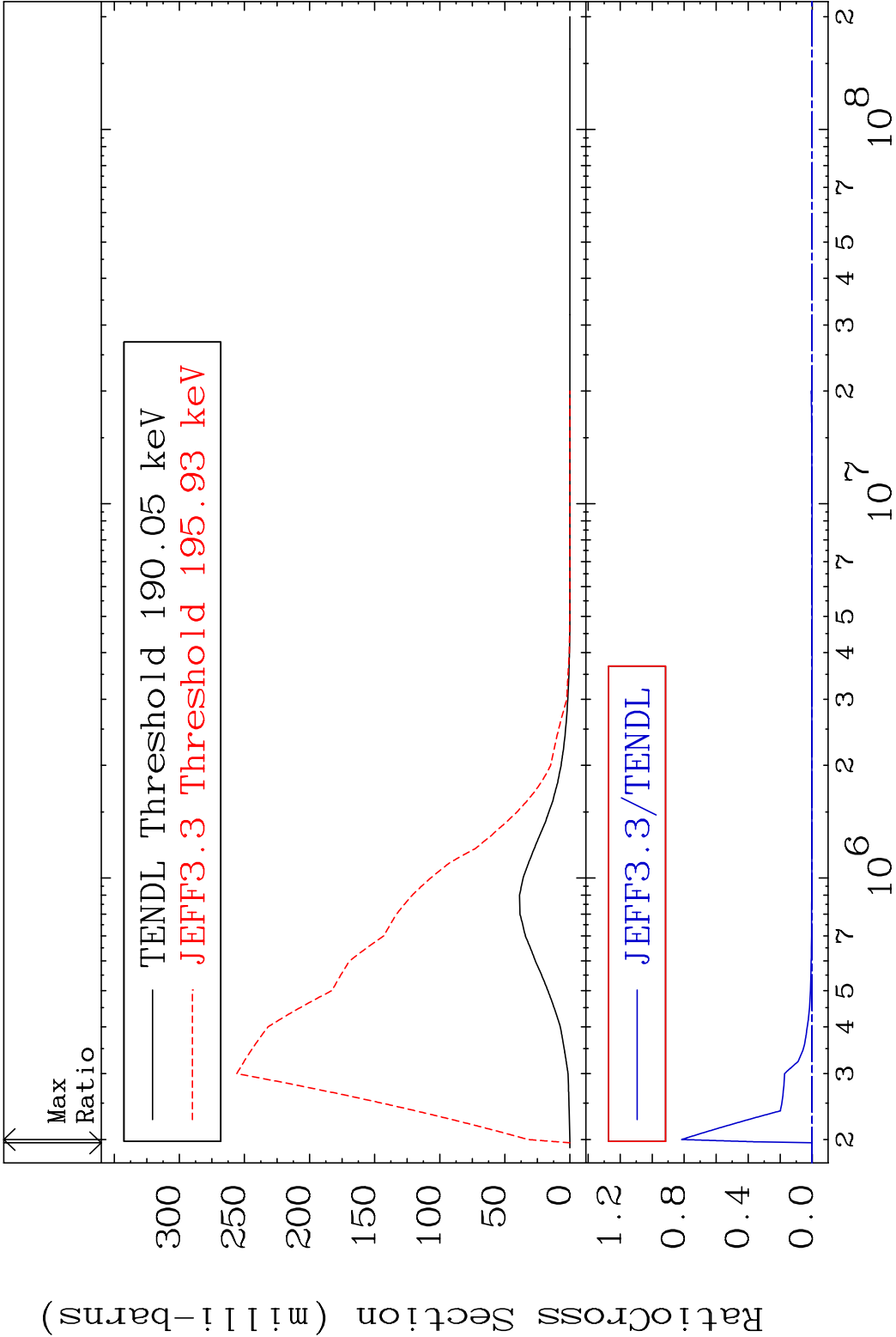
MAT 6252

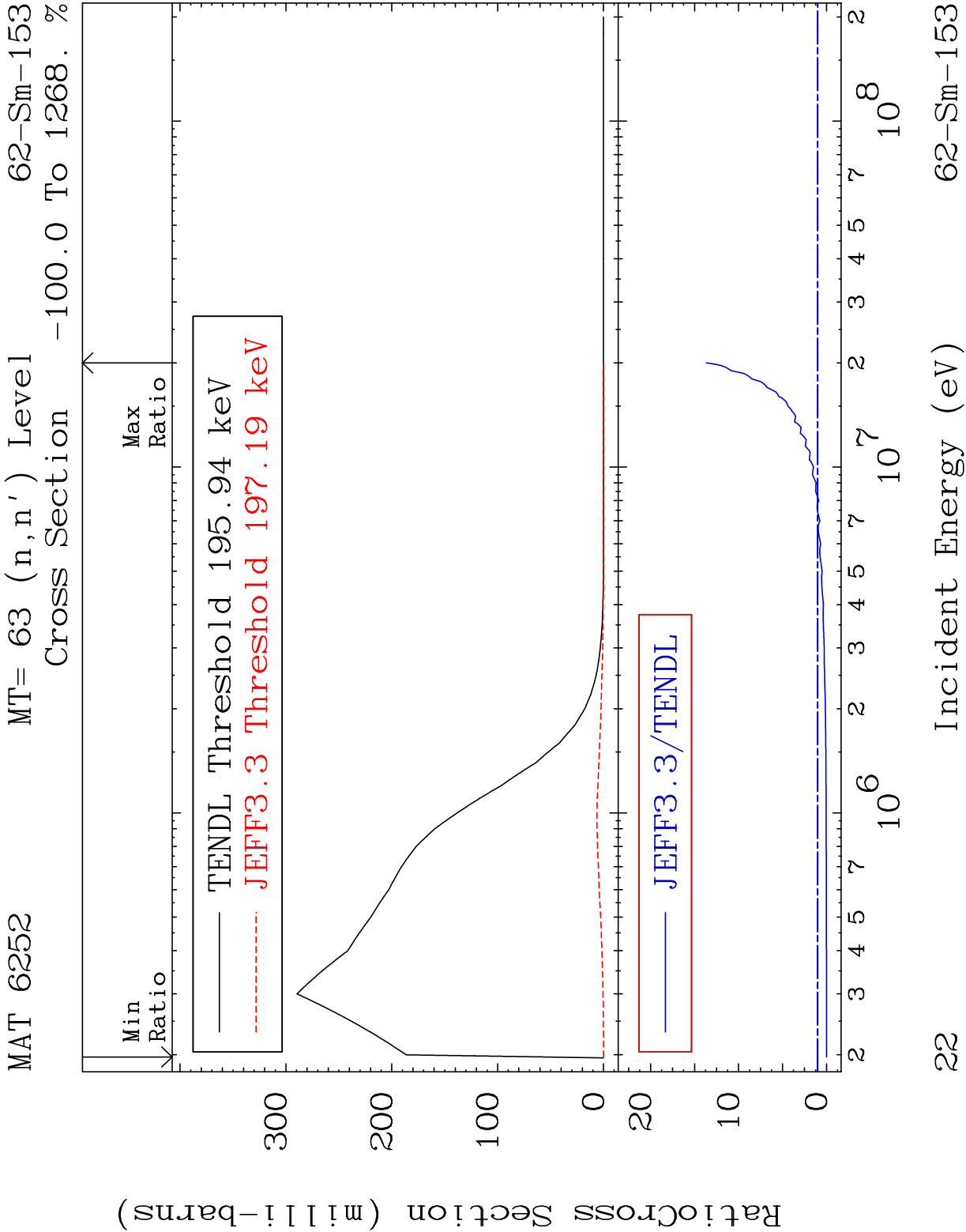
MT= 62 (n,n') Level

62-Sm-153

Cross Section

-100.0 To 9999. %





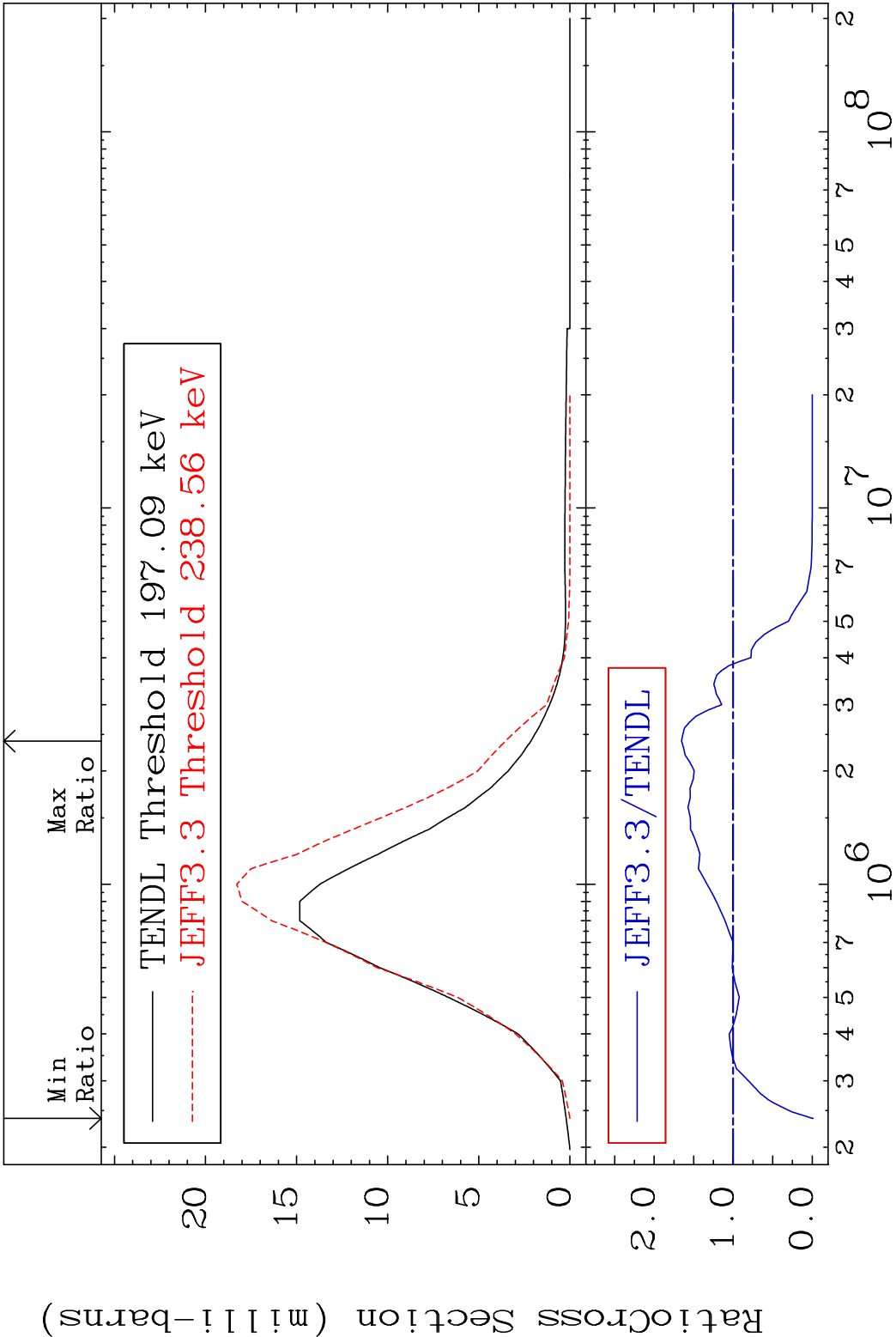
MAT 6252

MT= 64 (n,n') Level

62-Sm-153

Cross Section

-100.0 To 65.35 %



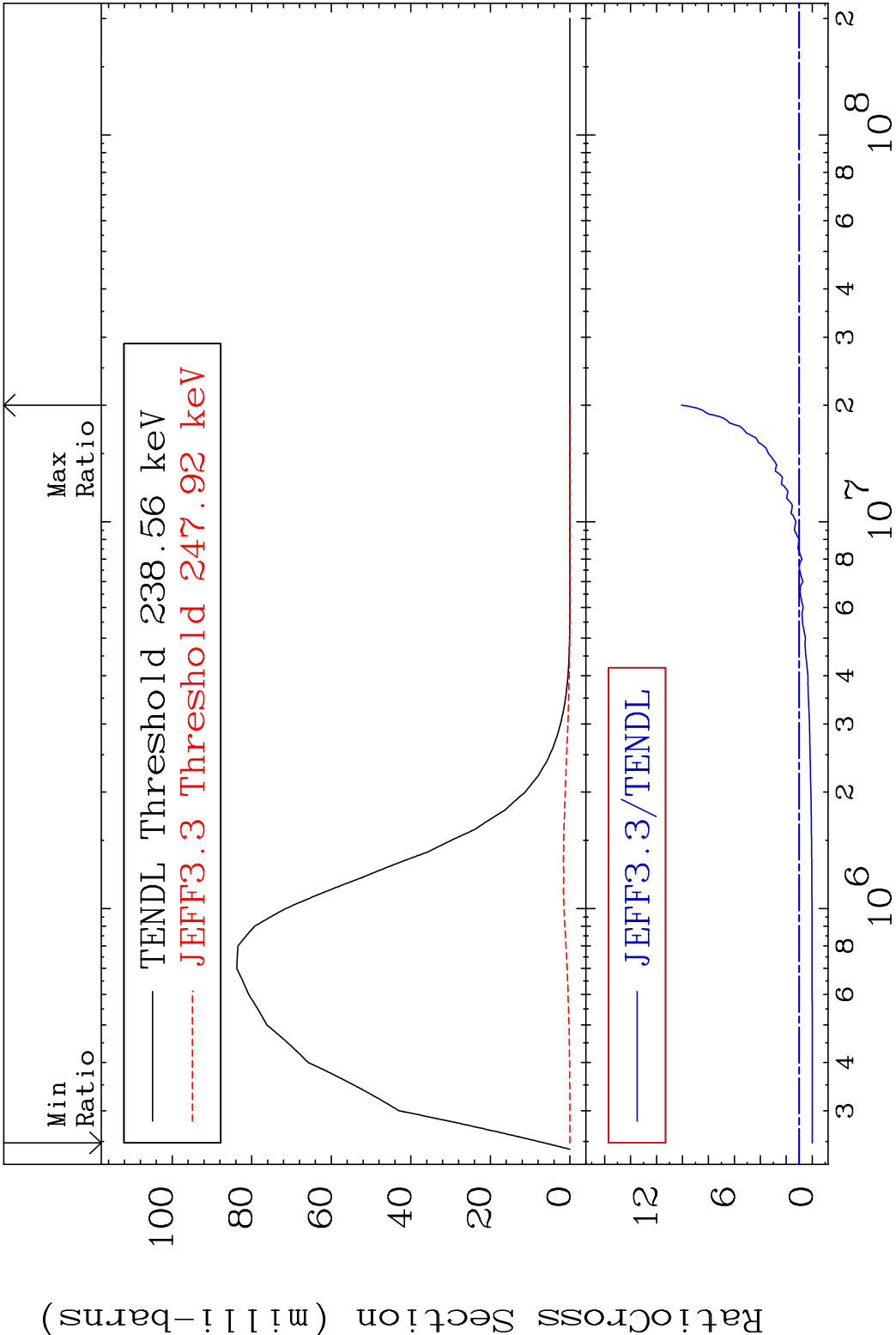
MAT 6252

MT= 65 (n,n') Level

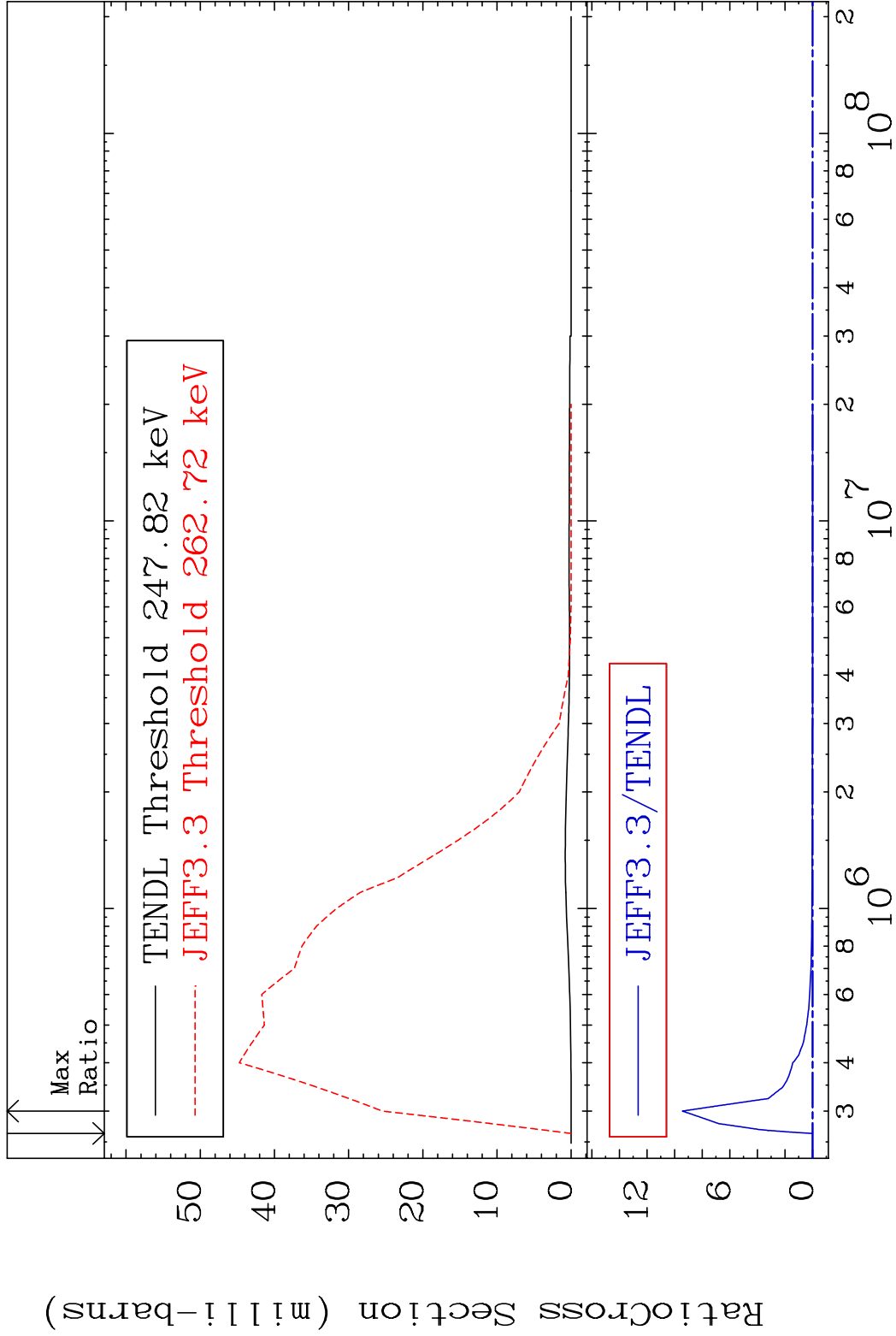
62-Sm-153

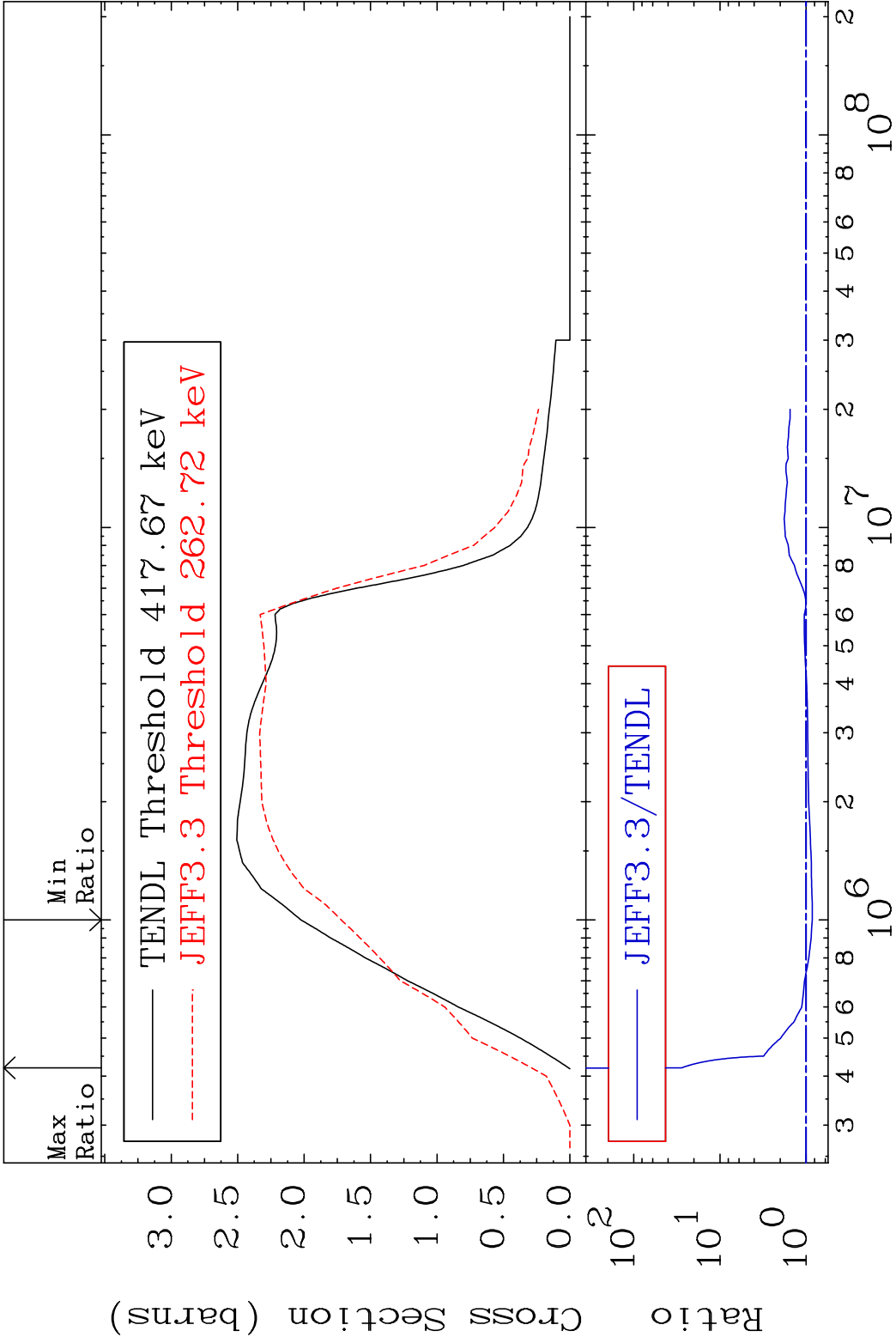
Cross Section

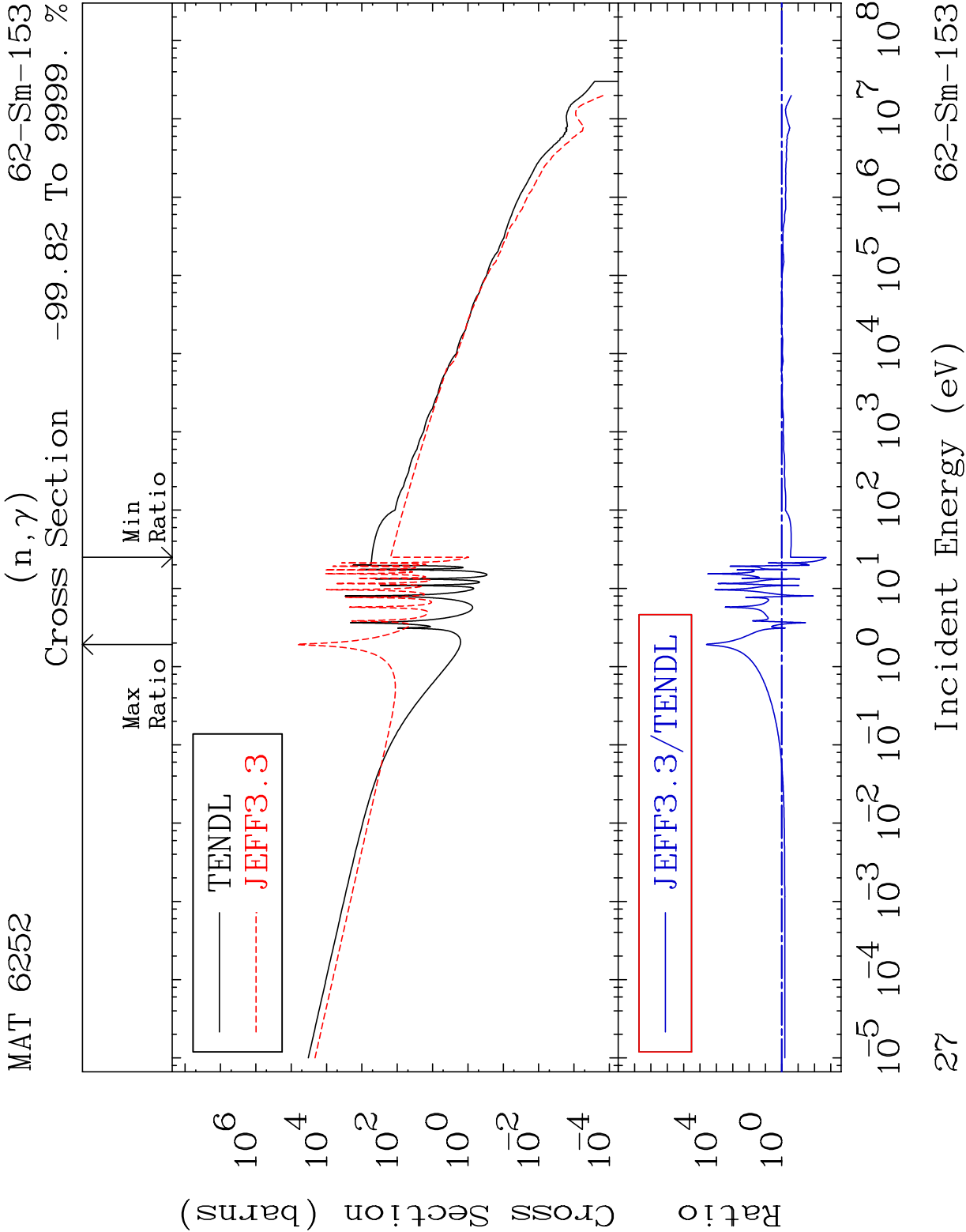
-100.0 To 907.1 %

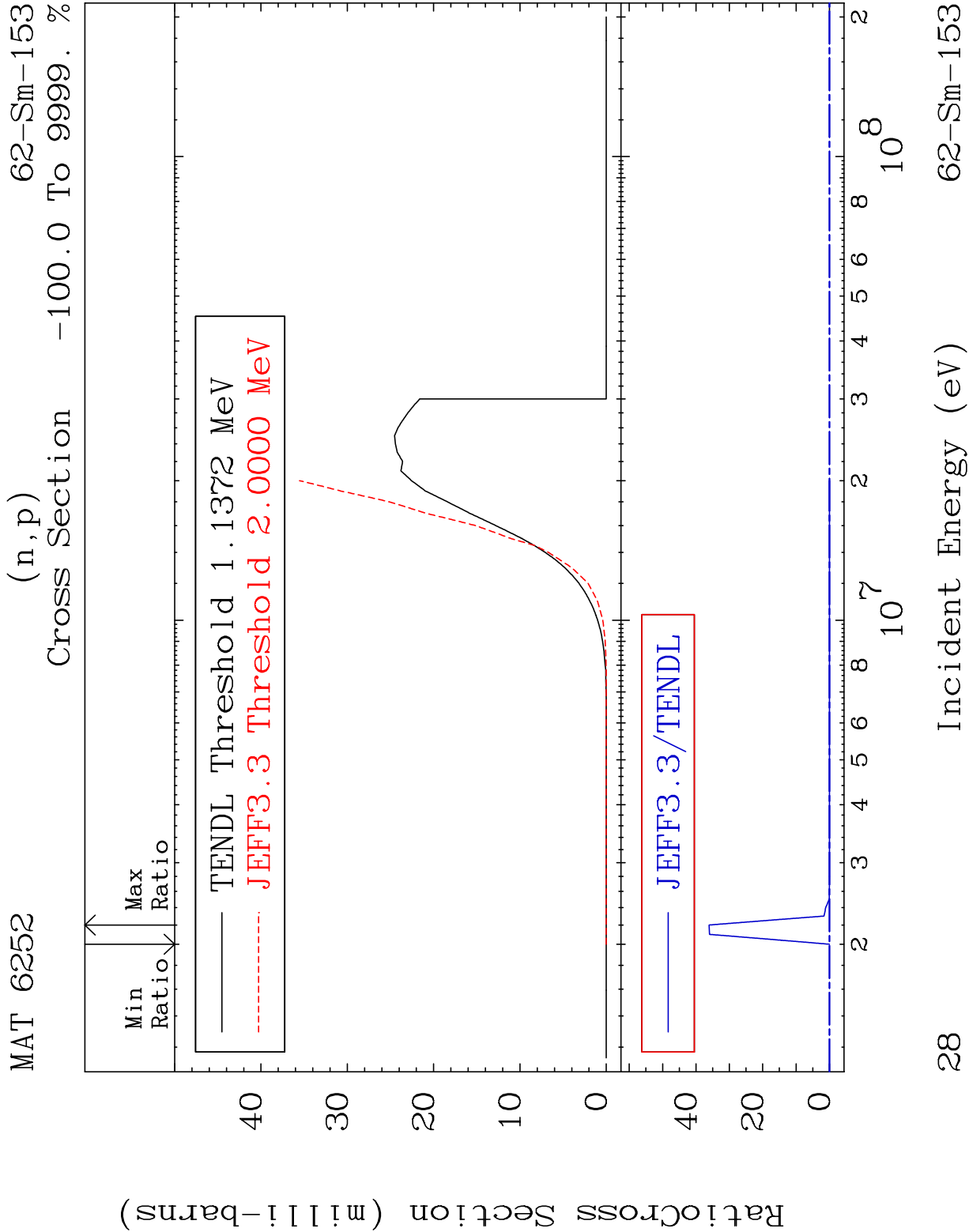


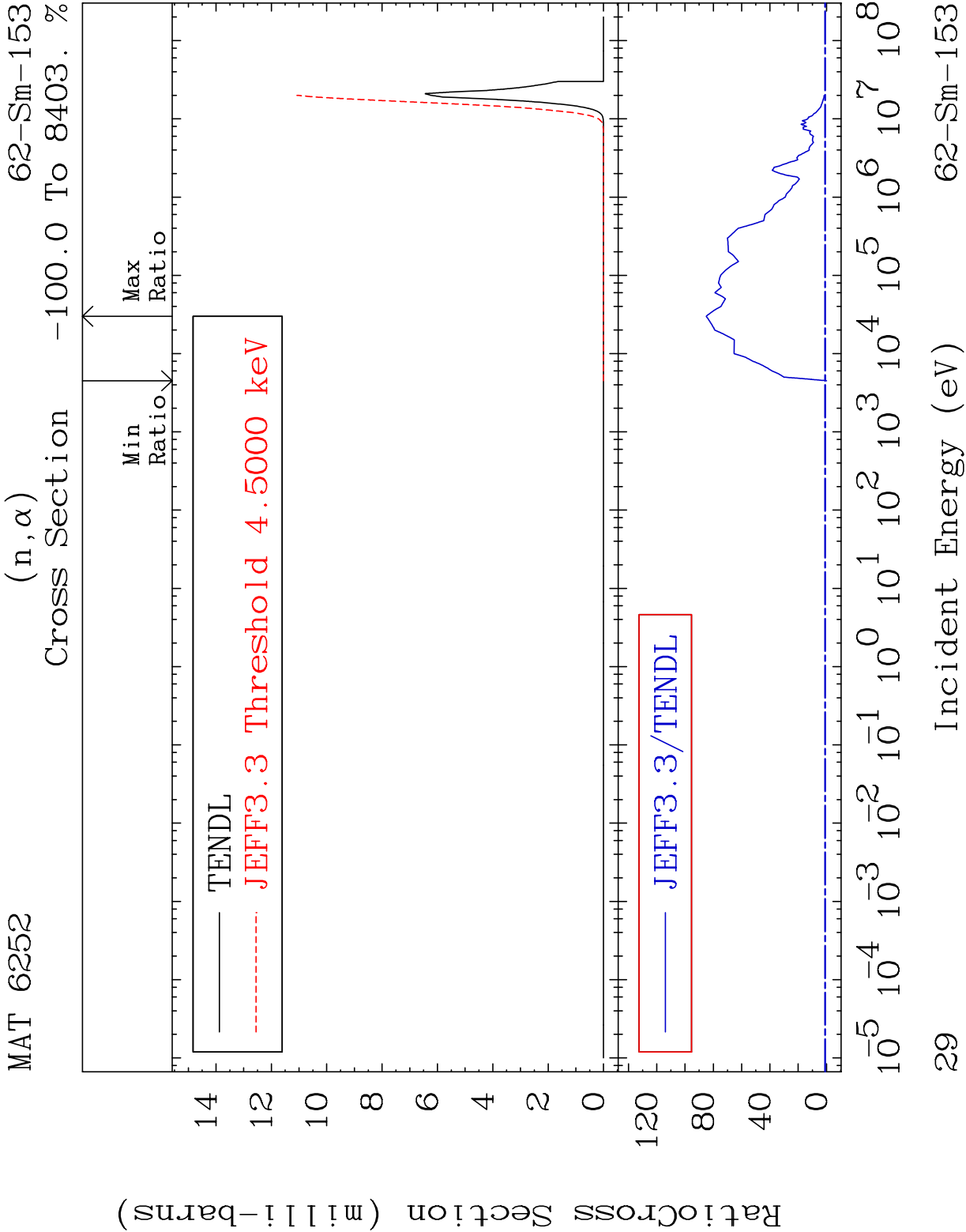
MAT 6252 MT= 66 (n,n') Level 62-Sm-153
Cross Section -100.0 To 9999. %

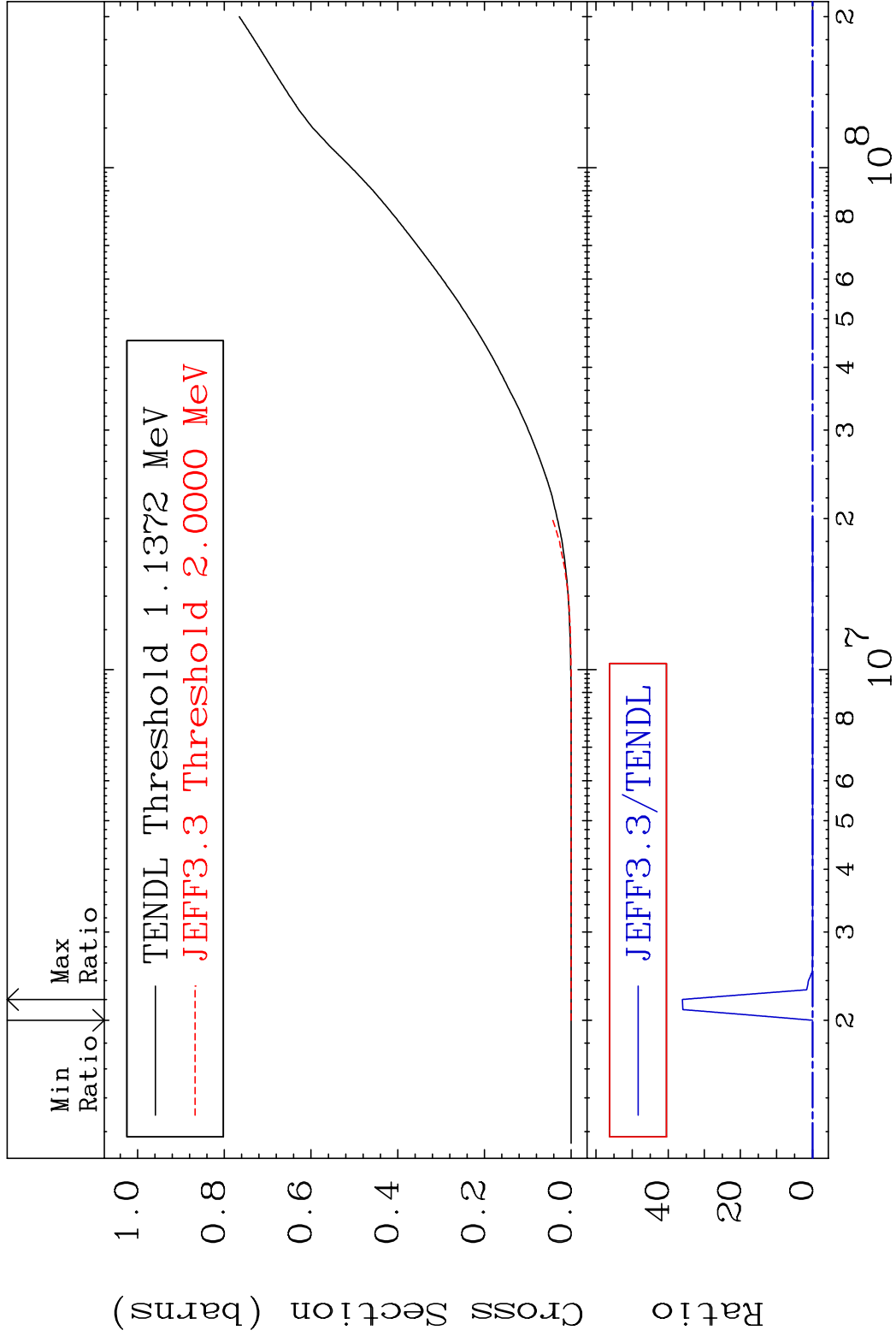


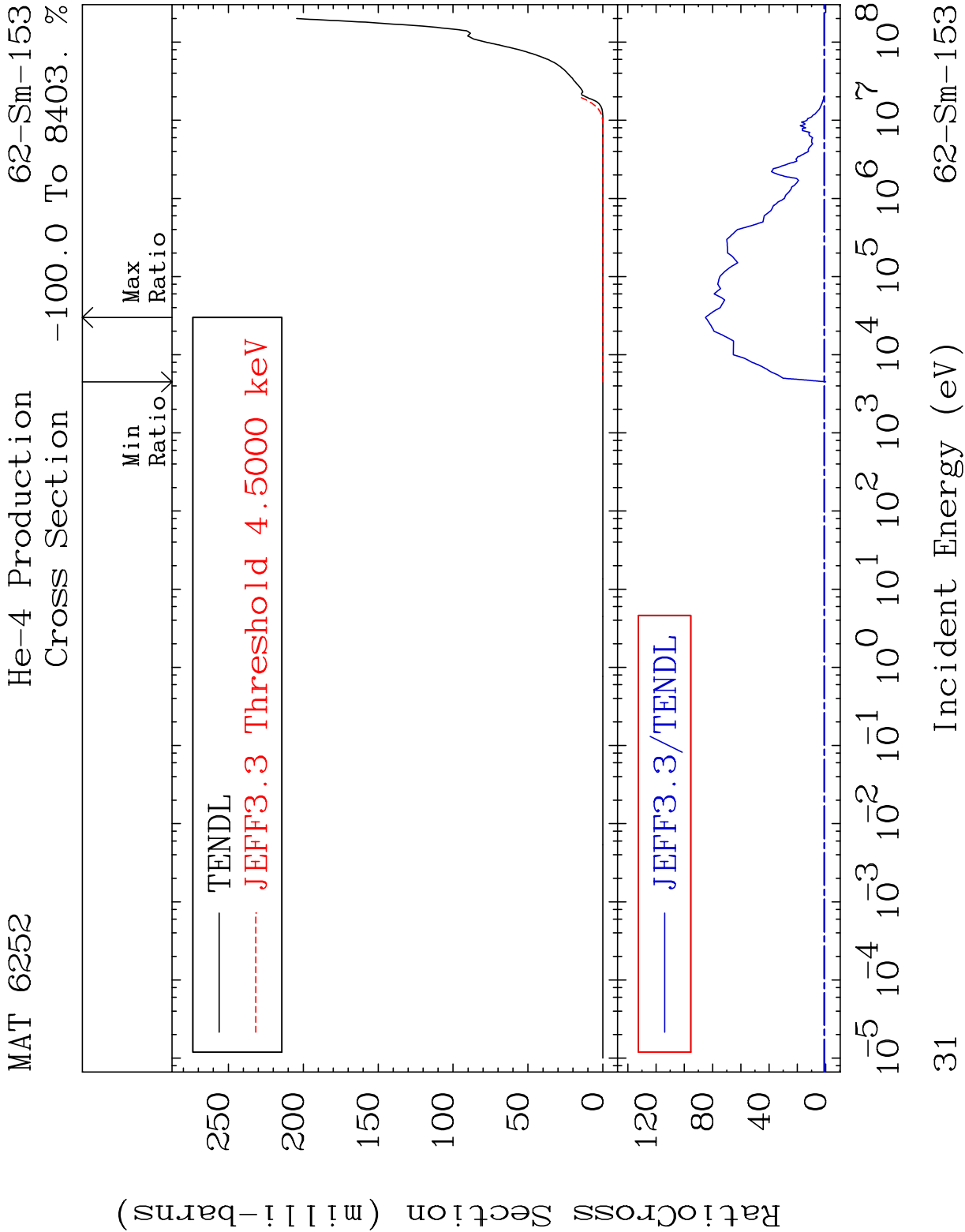




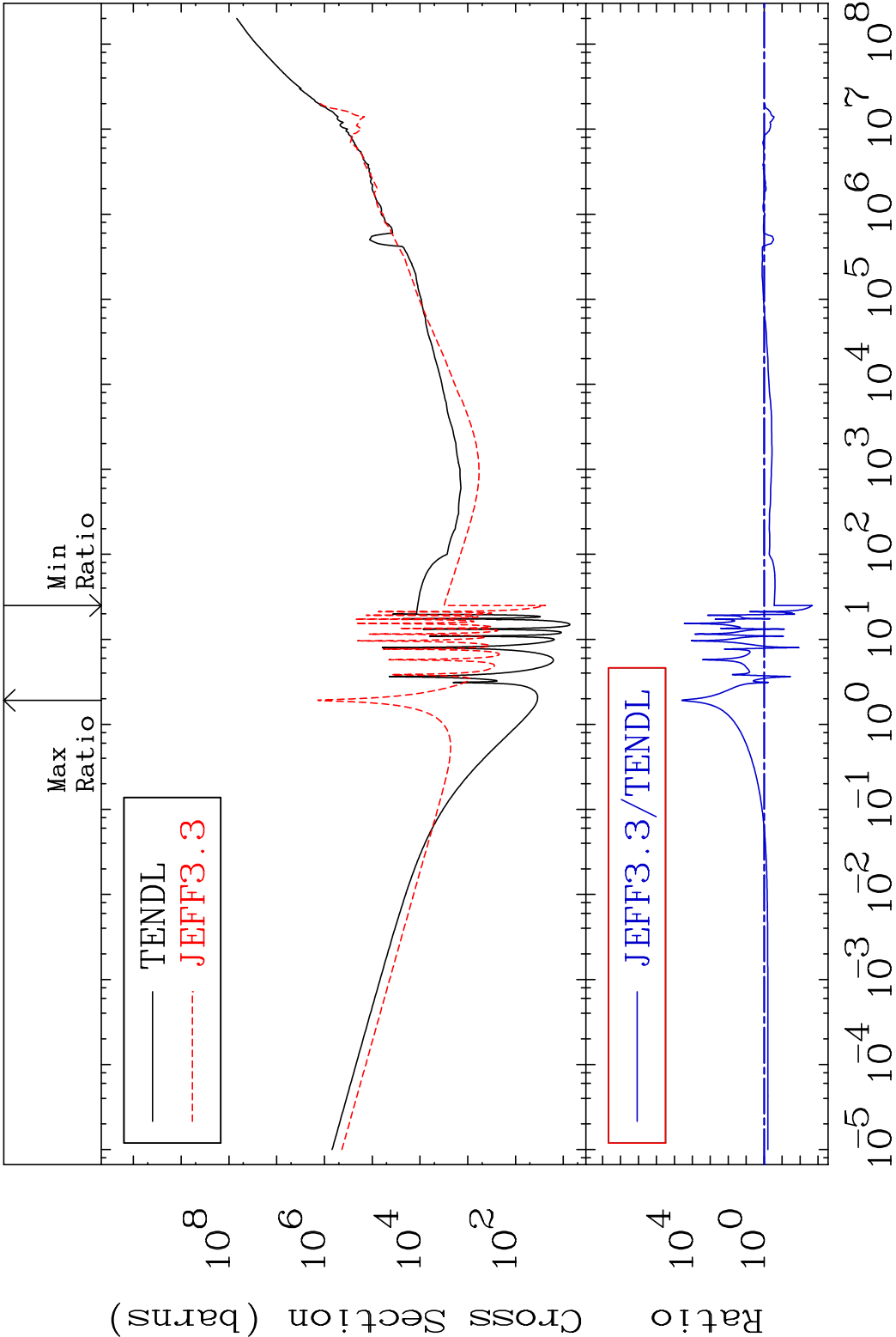




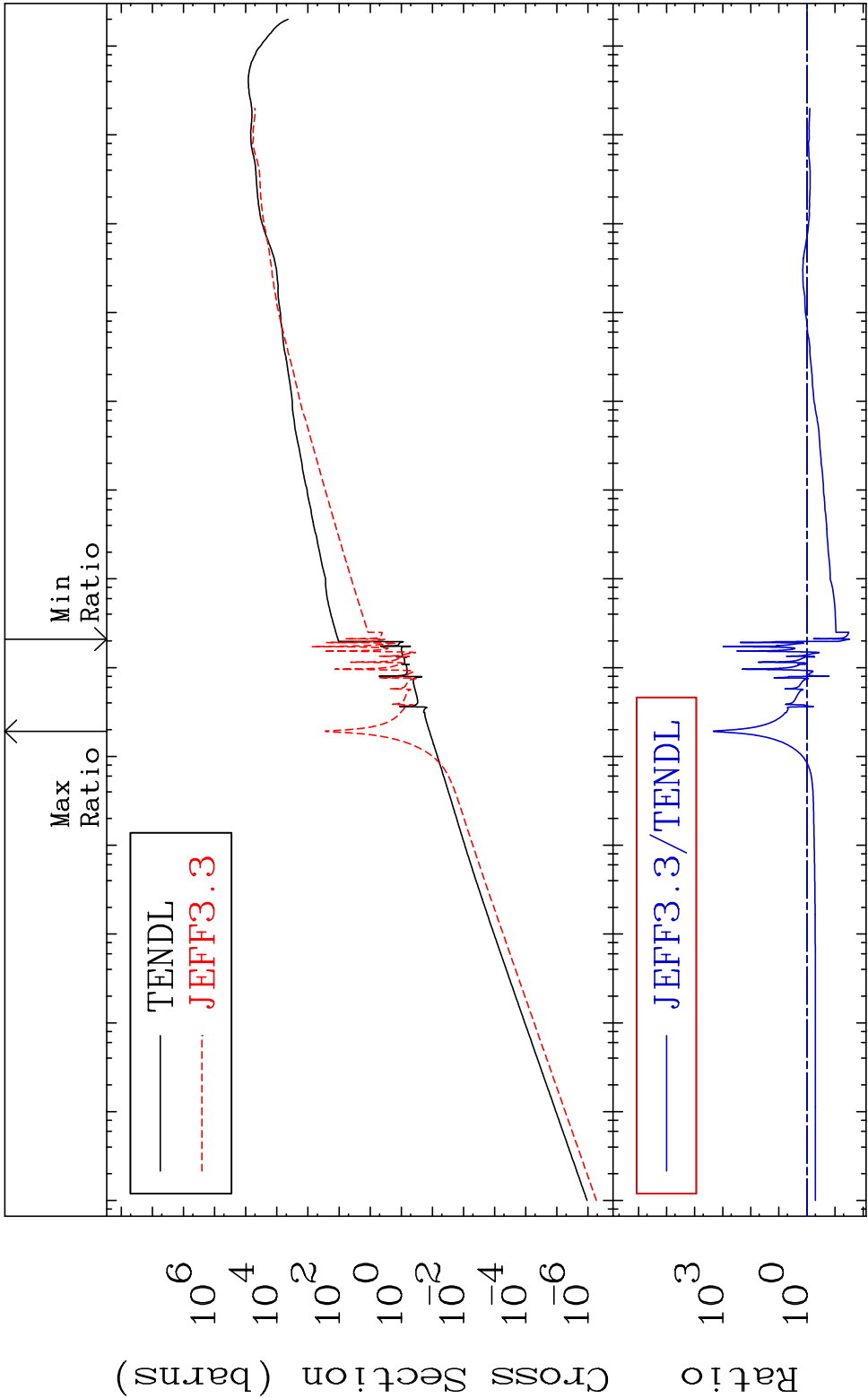




MAT 6252 Kerma total (eV-barns) 62-Sm-153
Cross Section -99.79 To 9999. %

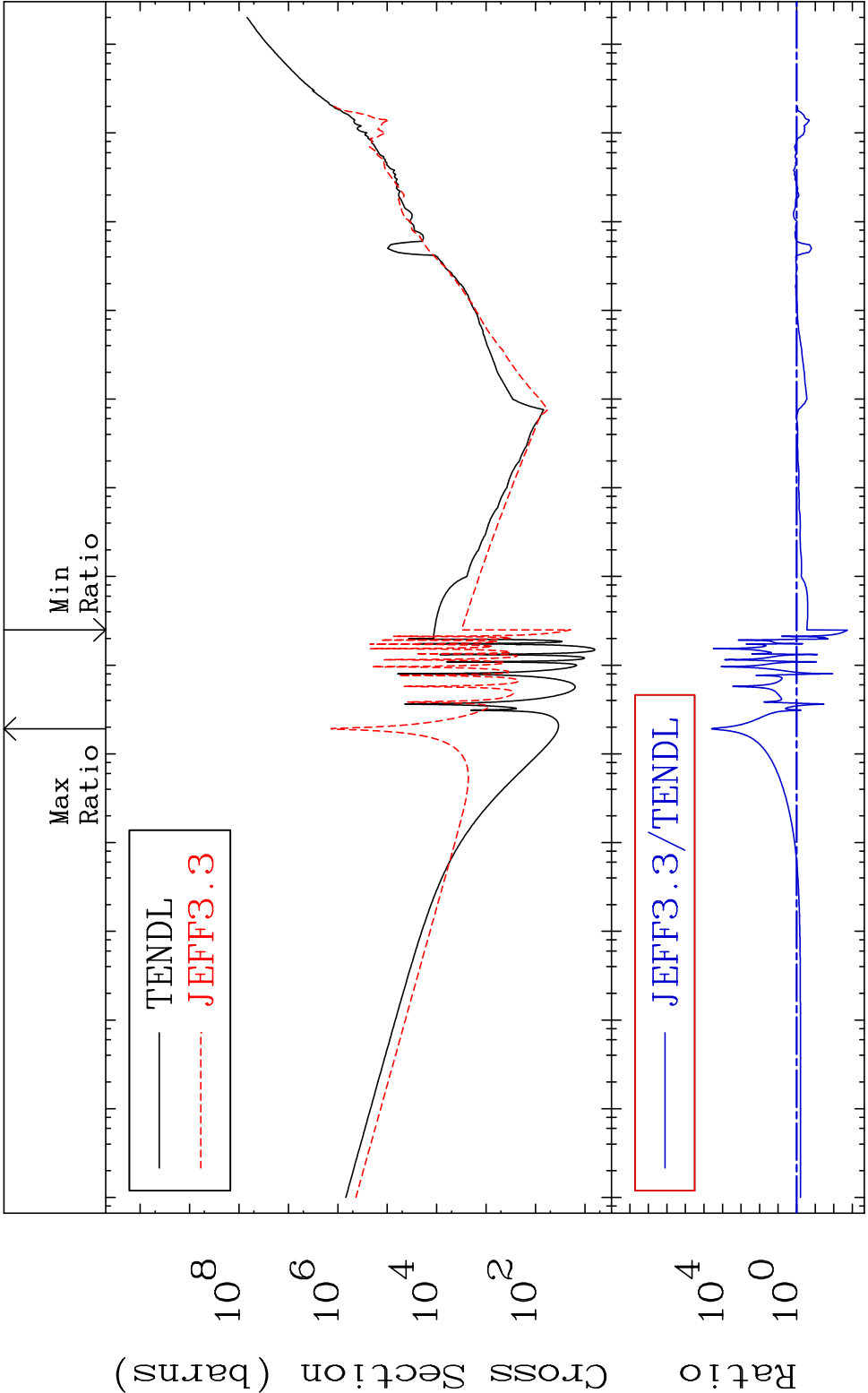


MAT 6252 Kerma elastic 62-Sm-153
Cross Section -96.95 To 9999. %



33 Incident Energy (eV) 62-Sm-153

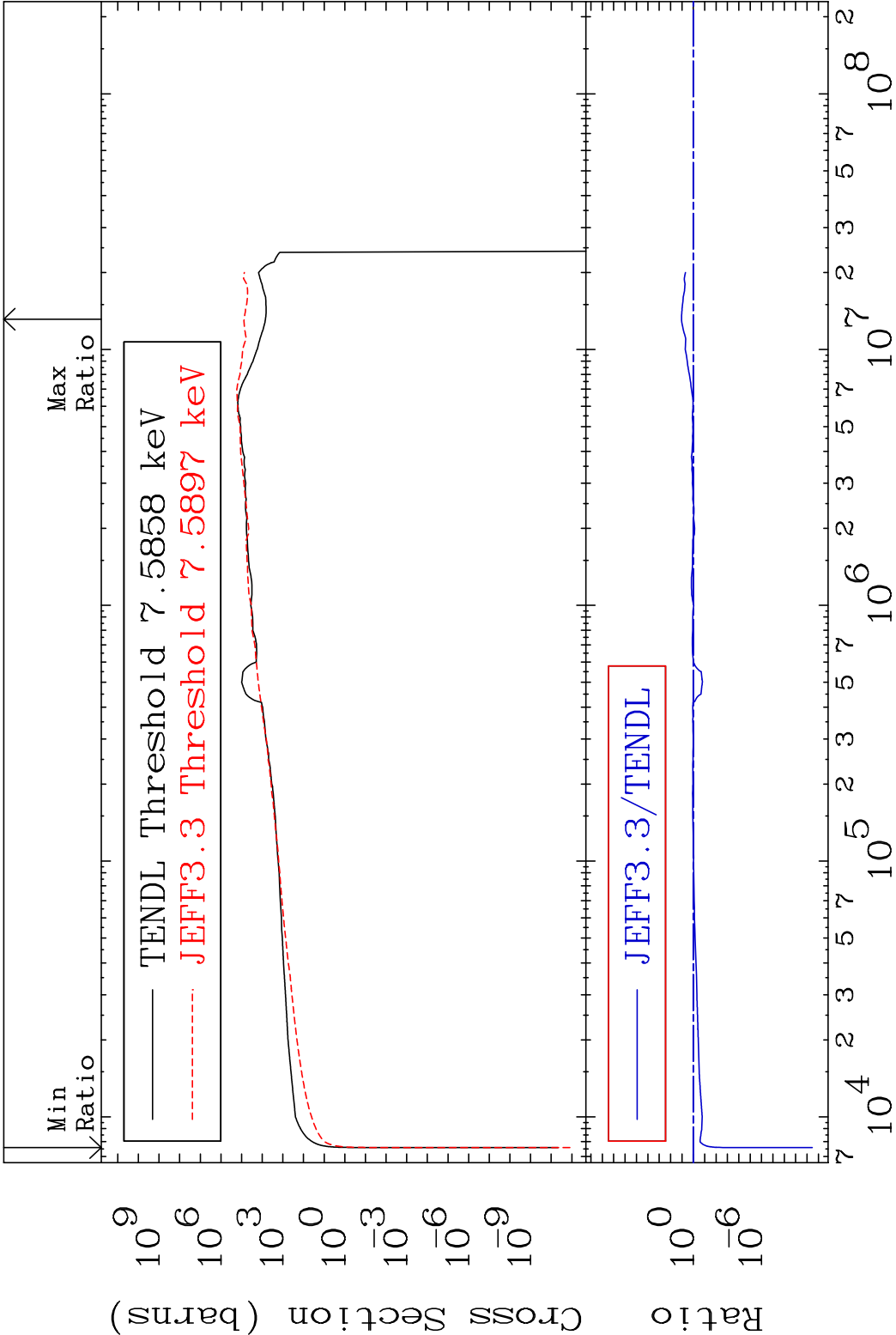
MAT 6252 Kerma non-elastic (all but mt2) 62-Sm-153
Cross Section -99.82 To 9999. %



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

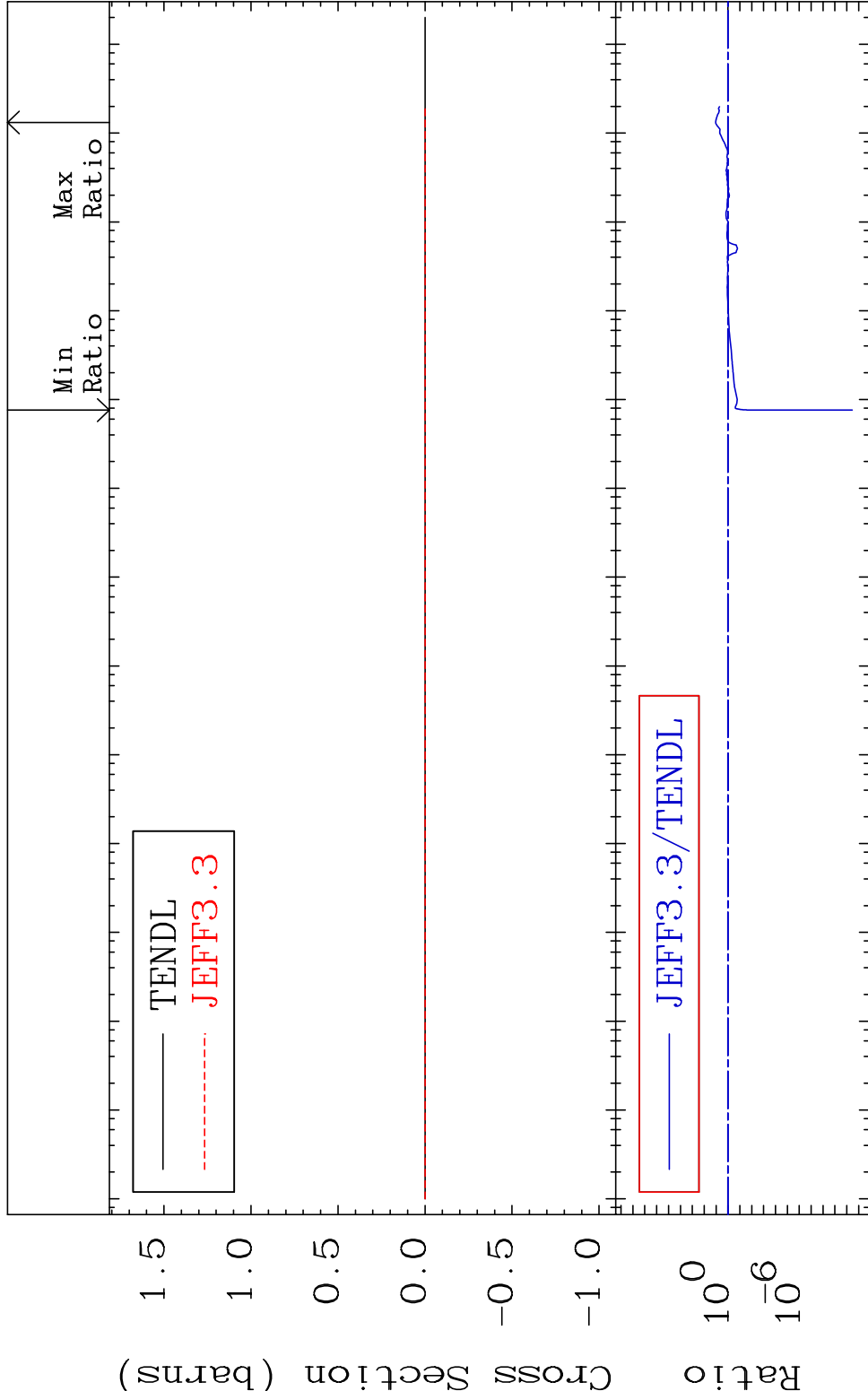
34 Incident Energy (eV) 62-Sm-153

MAT 6252 Kerma inelastic (mt51-91) 62-Sm-153
Cross Section -100.0 To 984.2 %



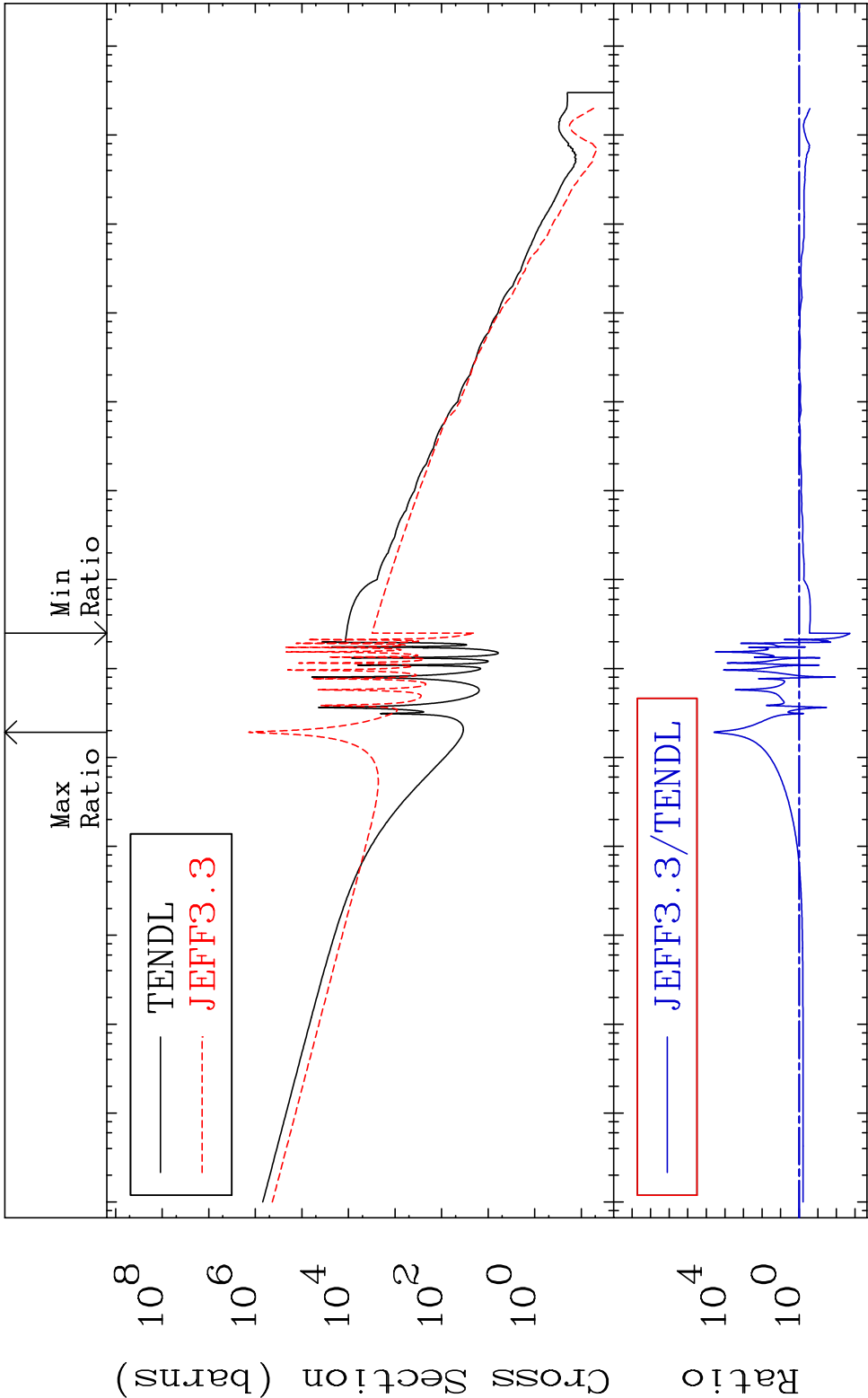
35 Incident Energy (eV) 62-Sm-153

MAT 6252Kerma fission (mt18 or mt19-20-21-38)62-Sm-153
Cross Section -100.0 To 984.2 %



Incident Energy (eV) 62-Sm-153

MAT 6252 Kerma capture (mt102) 62-Sm-153
Cross Section -99.82 To 9999. %



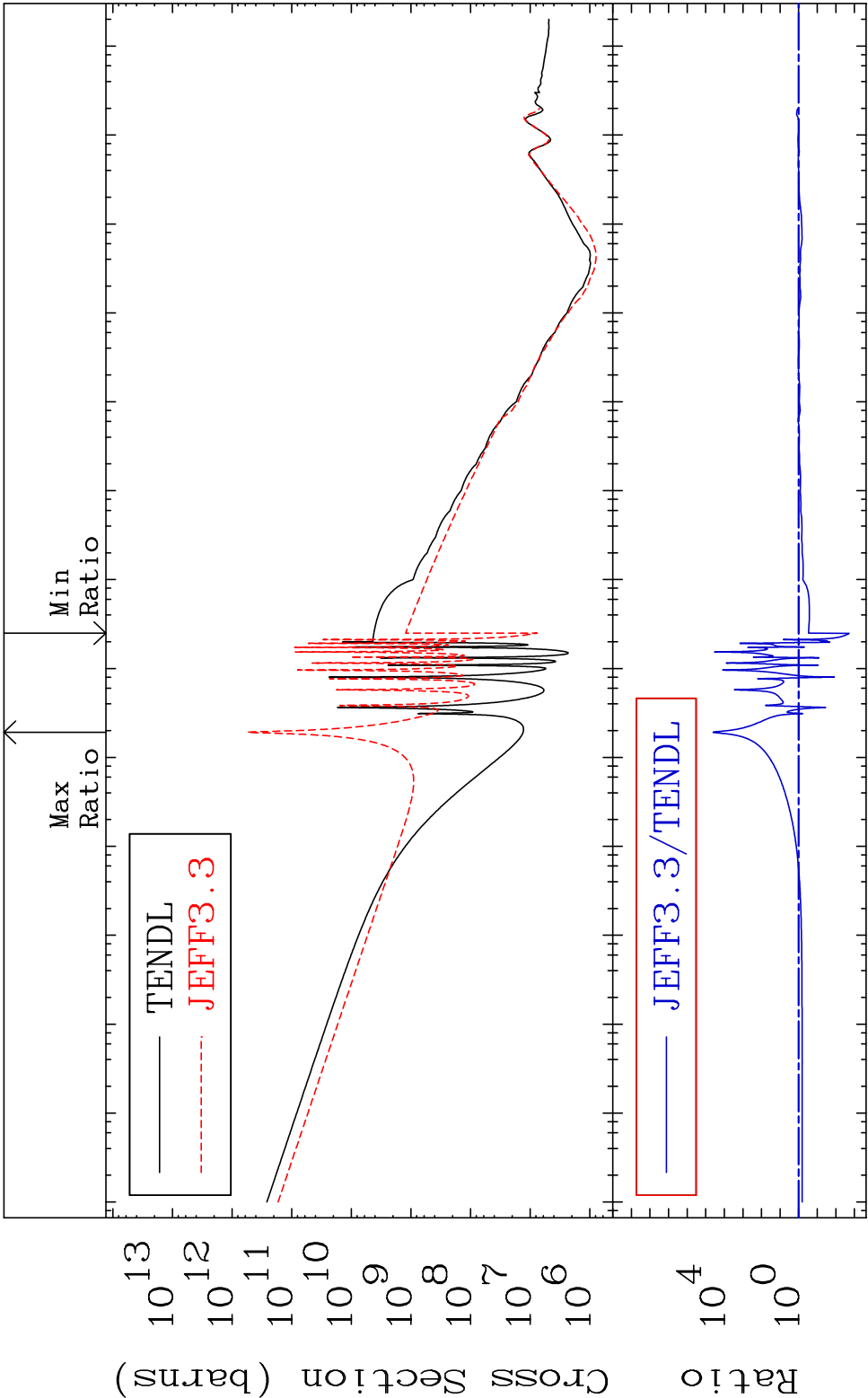
MAT 6252

Total photon (eV-barns)

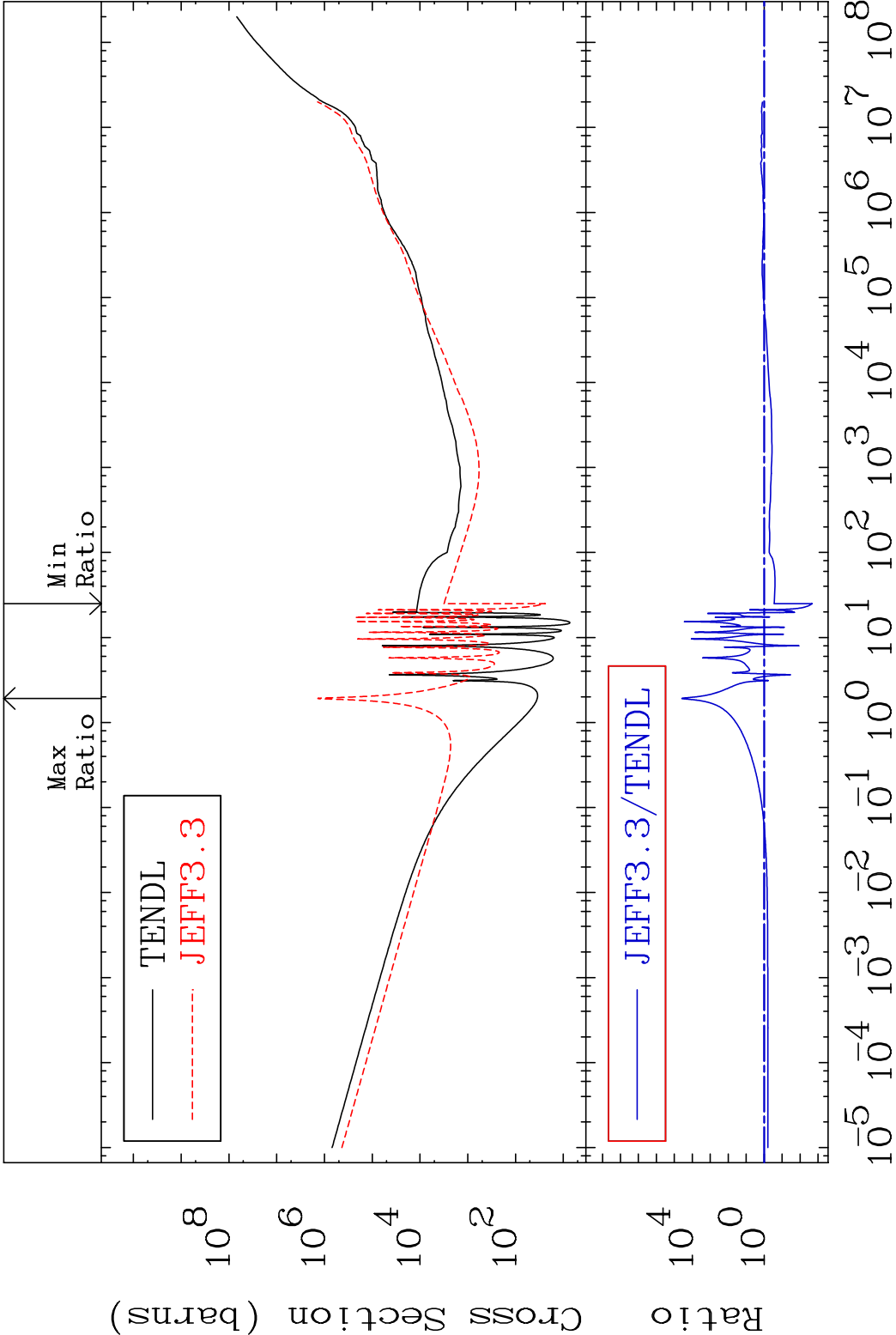
62-Sm-153

Cross Section

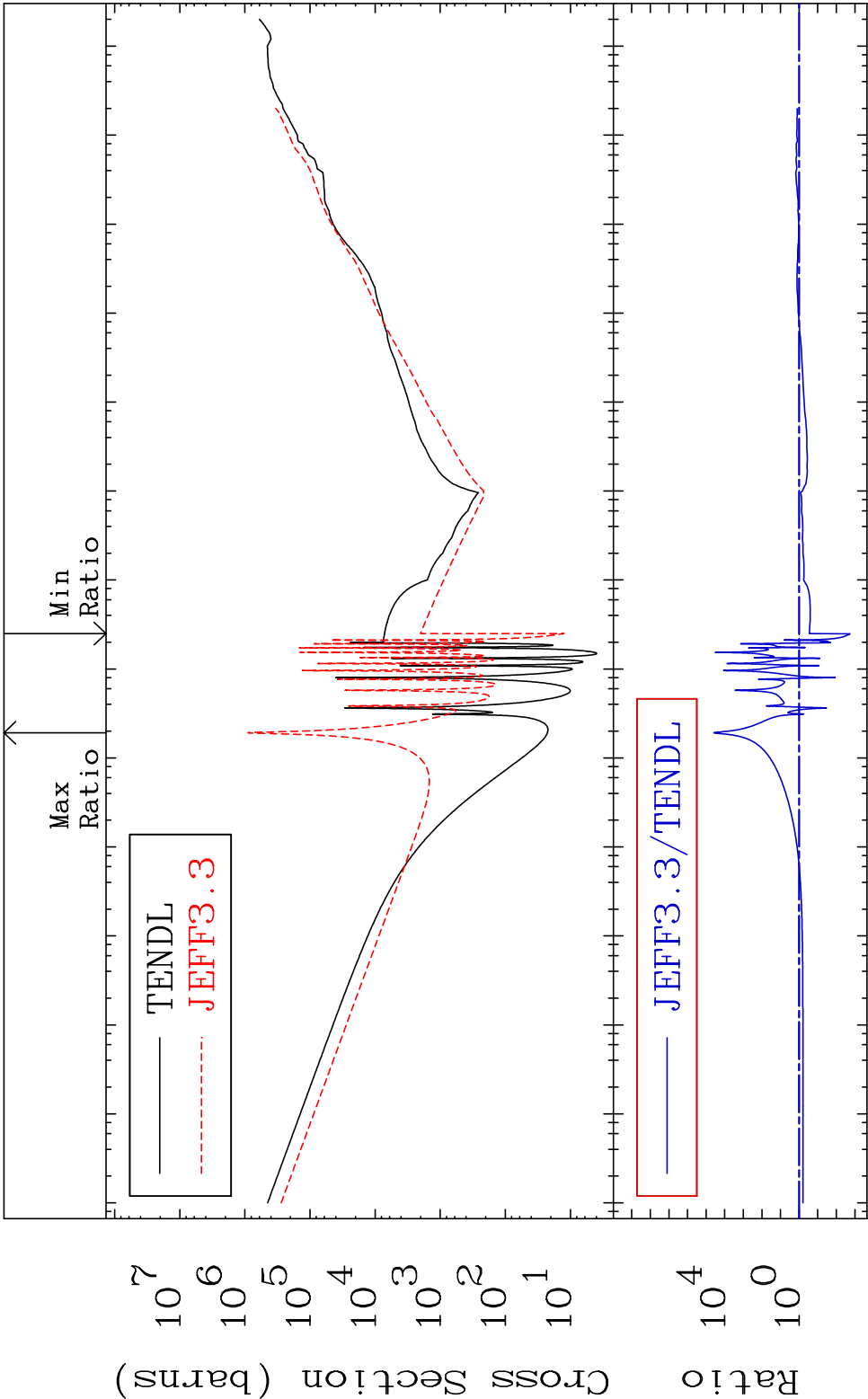
-99.82 To 9999. %



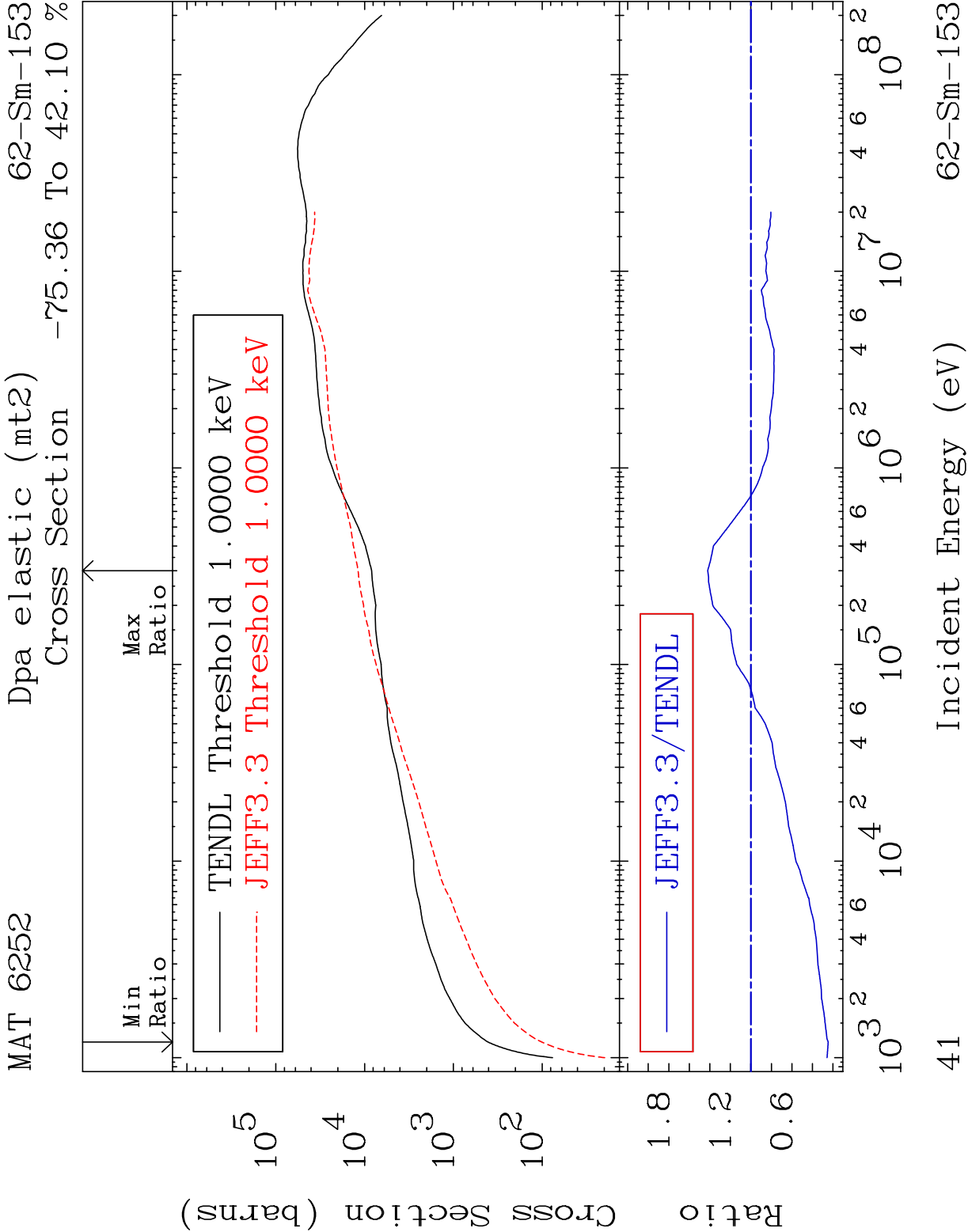
MAT 6252 Total kinematic kerma (high limit) 62-Sm-153
Cross Section -99.79 To 9999. %



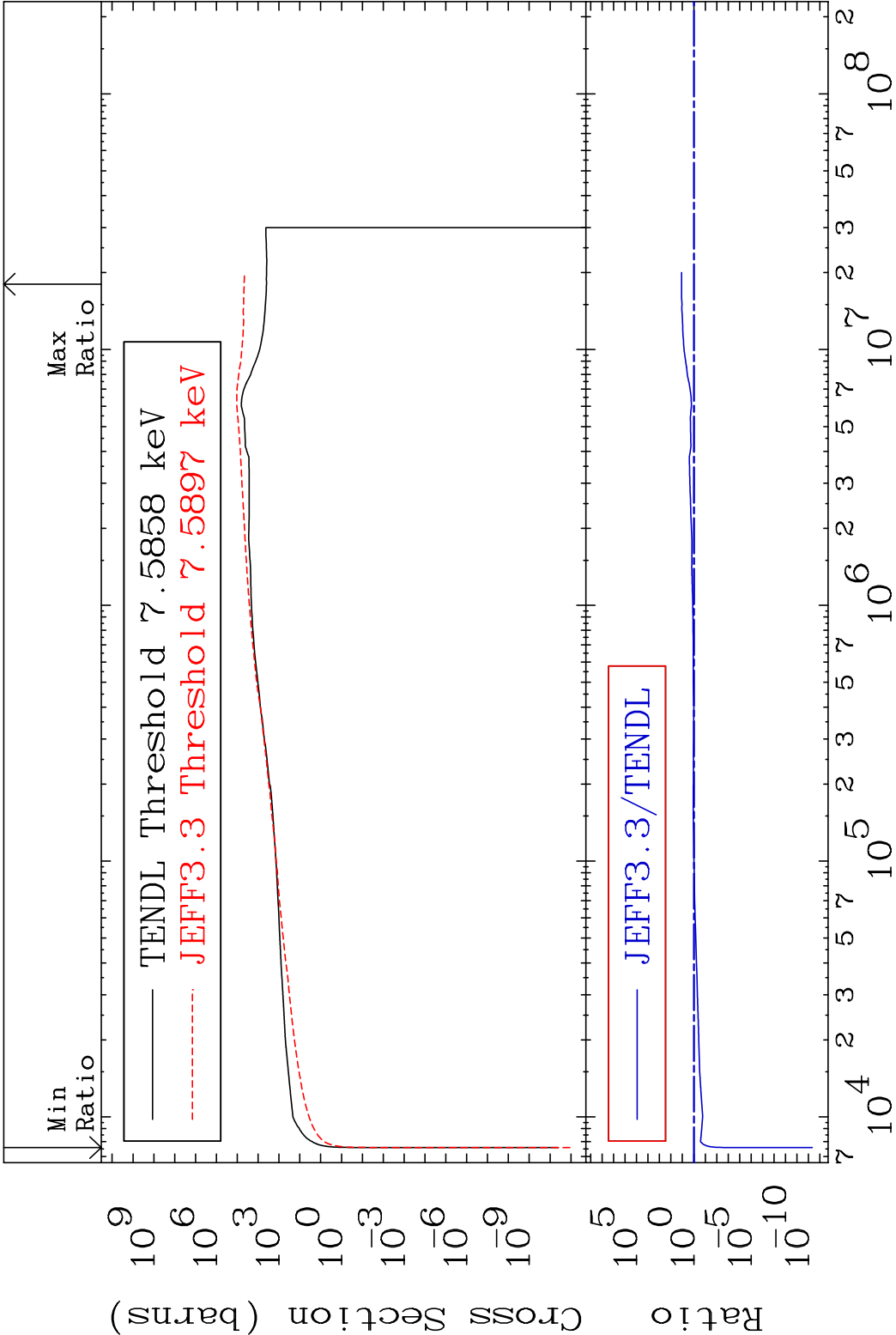
MAT 6252 Dpa total (eV-barns) 62-Sm-153
Cross Section -99.82 To 9999. %



40 Incident Energy (eV) 62-Sm-153

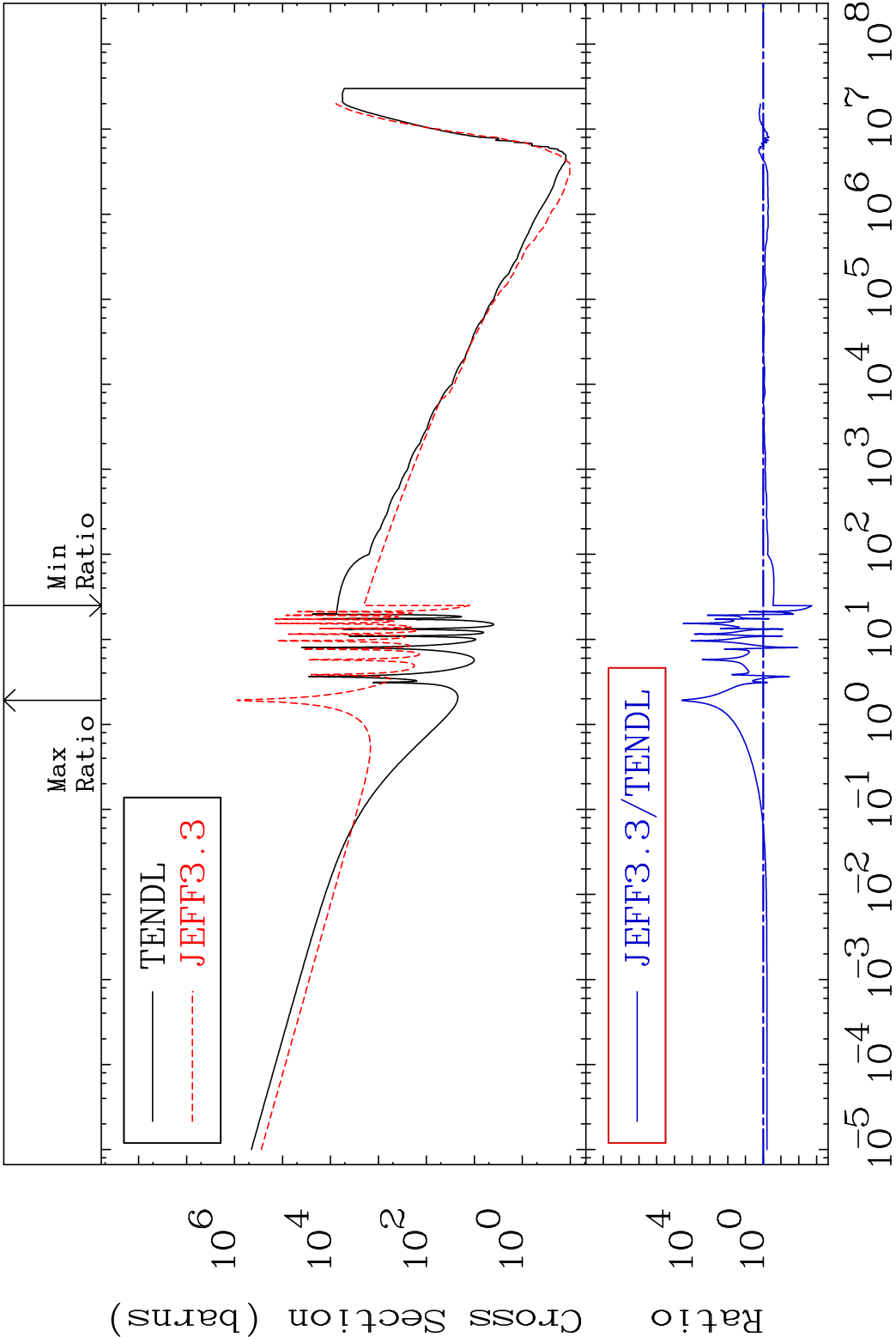


MAT 6252 Dpa inelastic (mt51-91) 62-Sm-153
Cross Section -100.0 To 1083. %



42 Incident Energy (eV) 62-Sm-153

MAT 6252 Dpa disappearance (mt102 -120) 62-Sm-153
Cross Section -99.82 To 9999. %



43 Incident Energy (eV) 62-Sm-153