

Program Complot
(Version 2021-1)

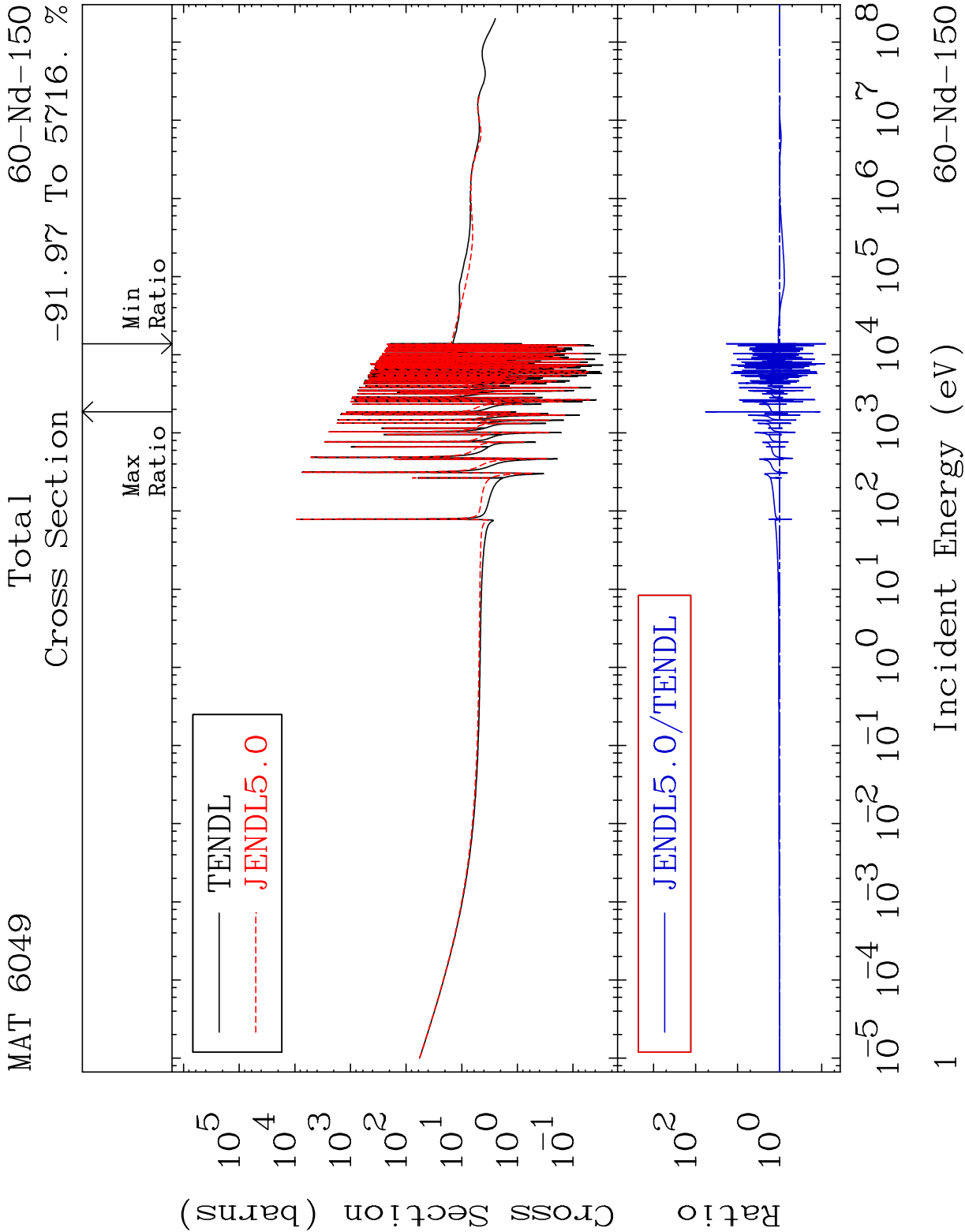
by

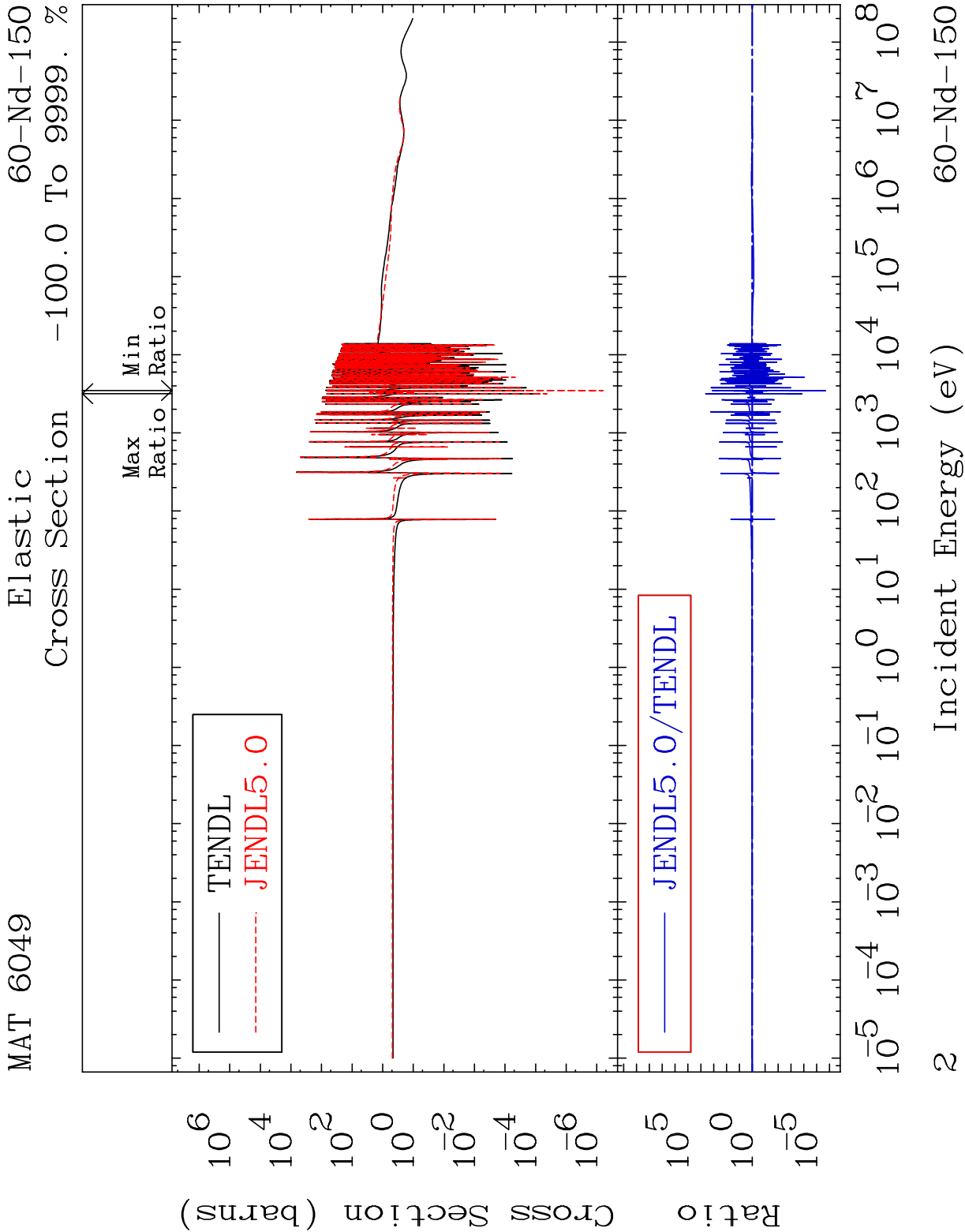
Dermott E. Cullen
(Present Contact Information)

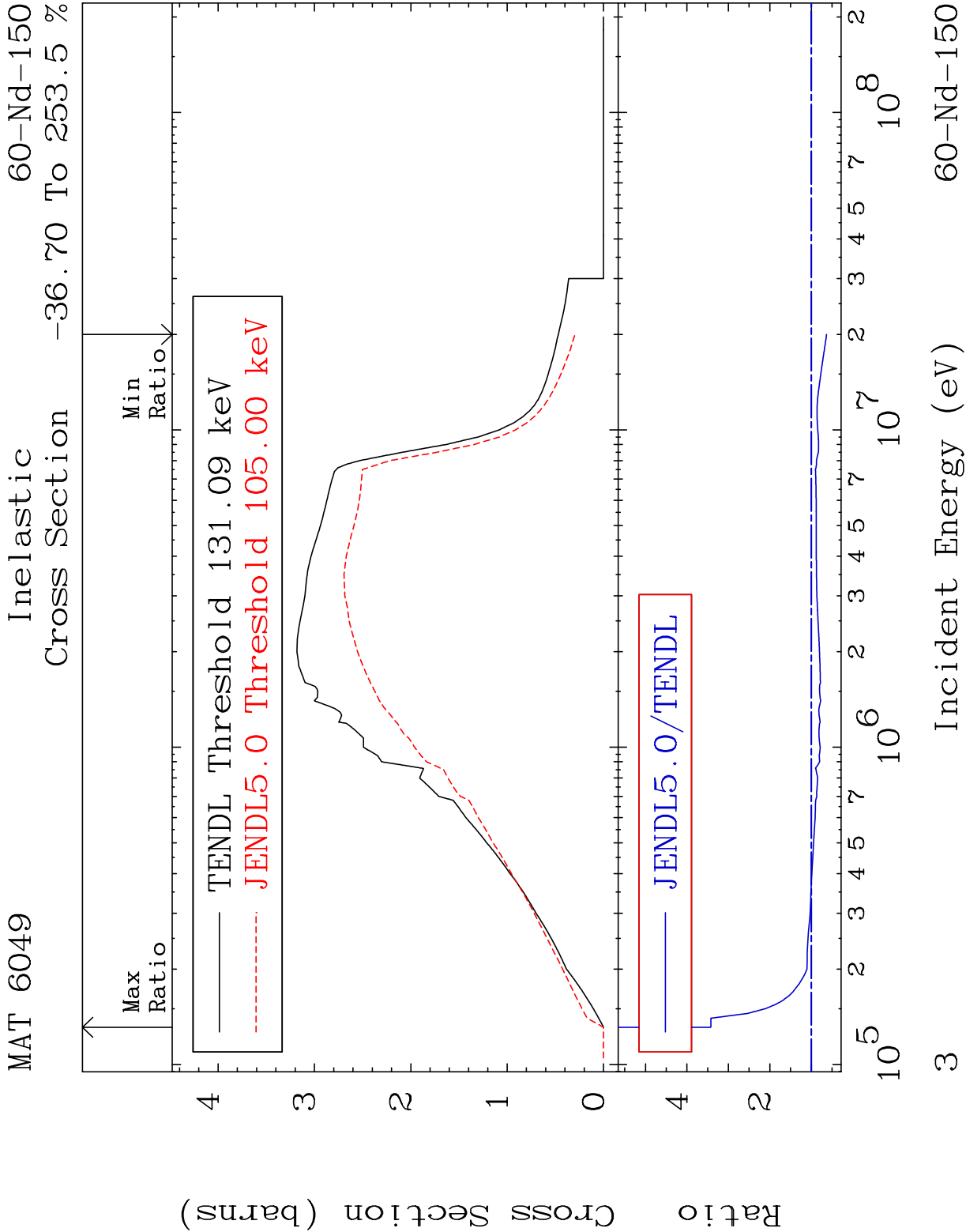
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

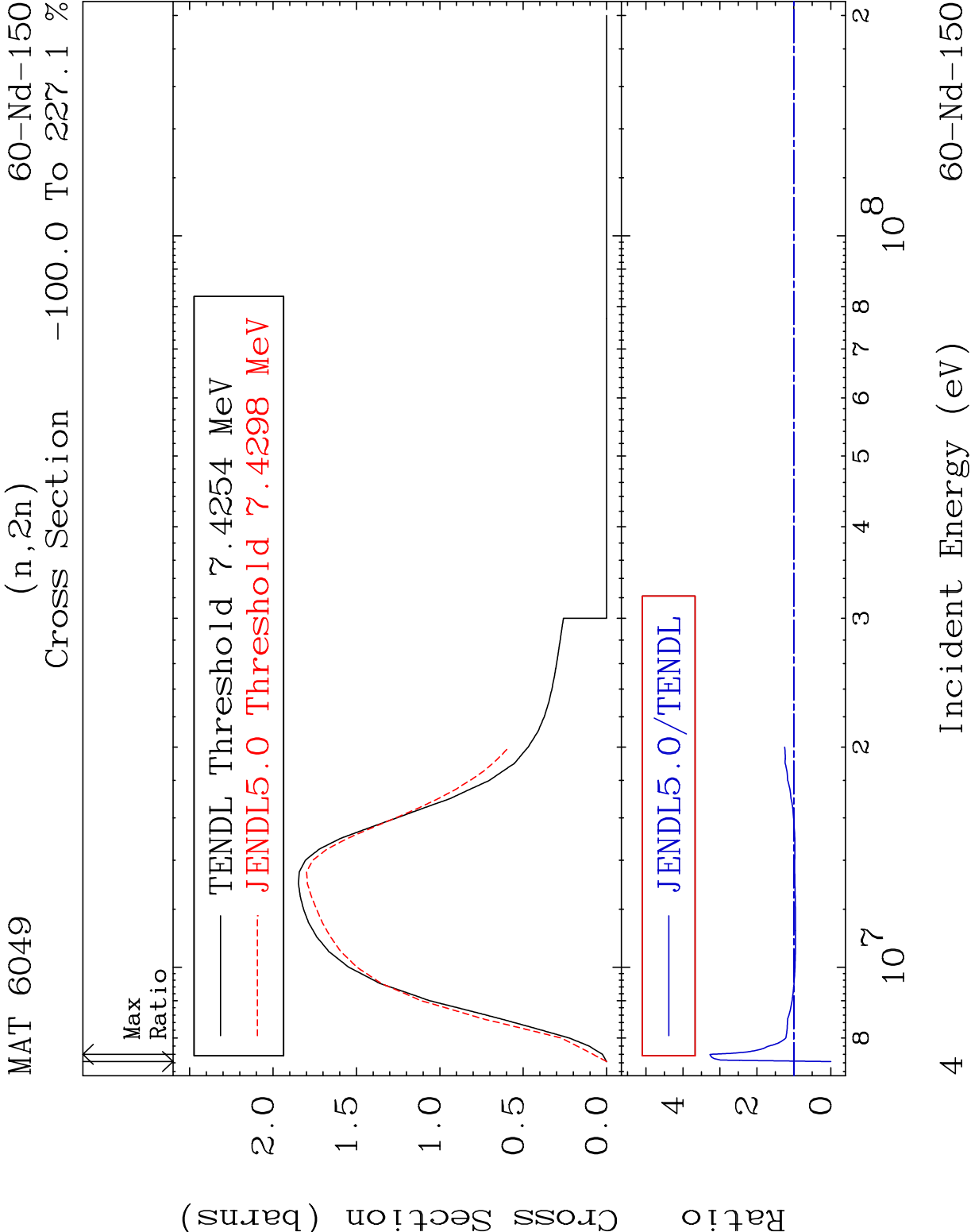
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

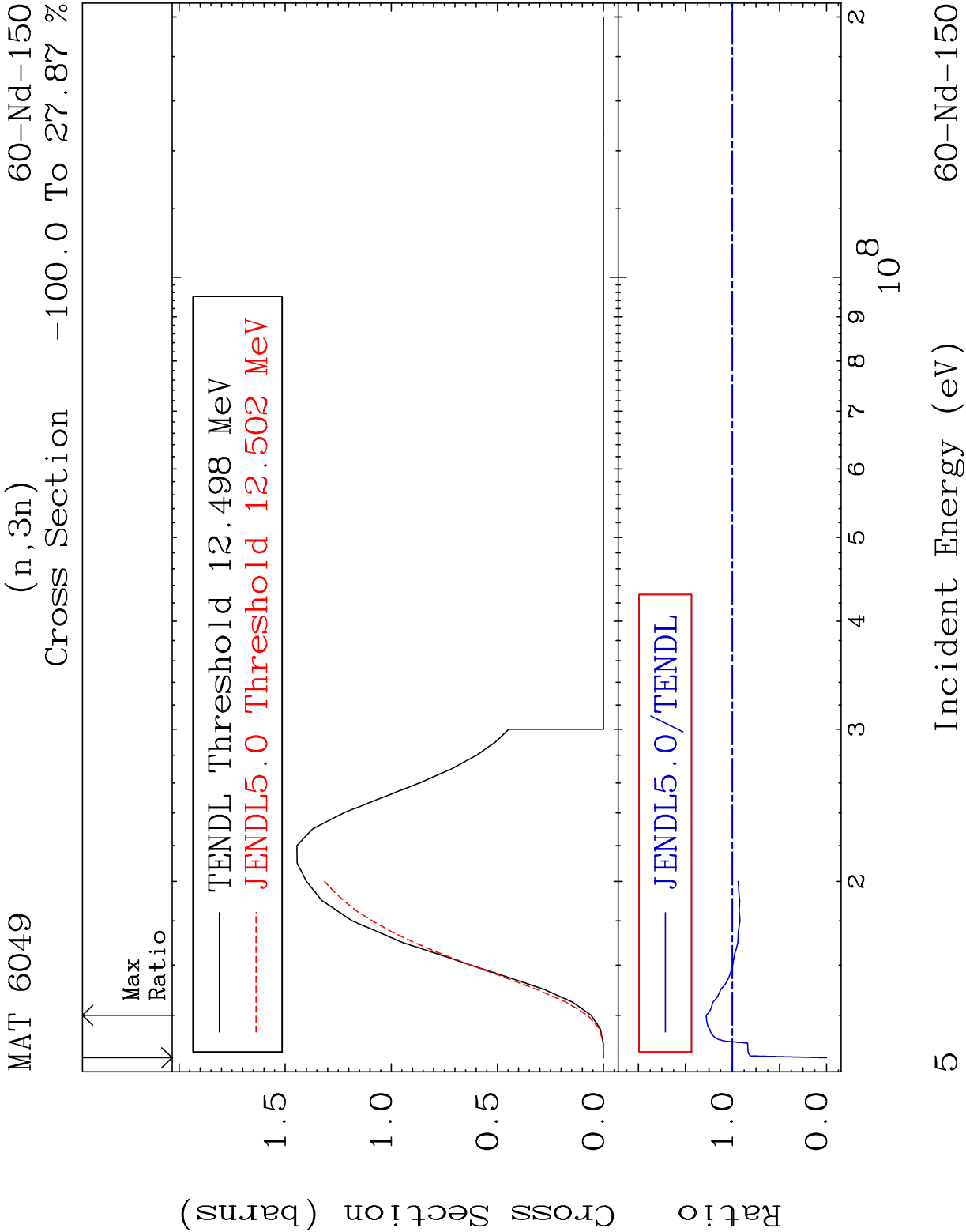
Press Mouse Button to Start









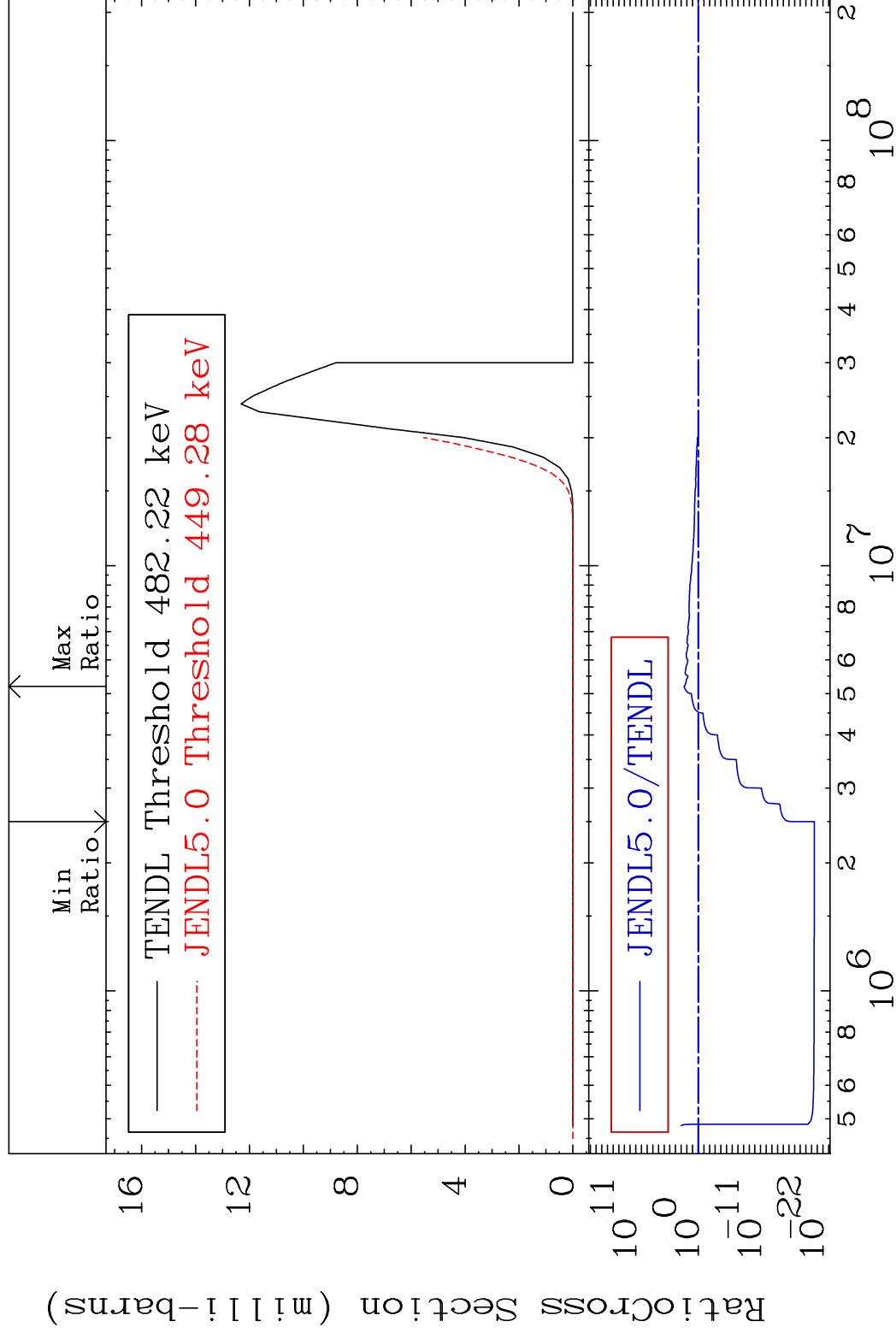


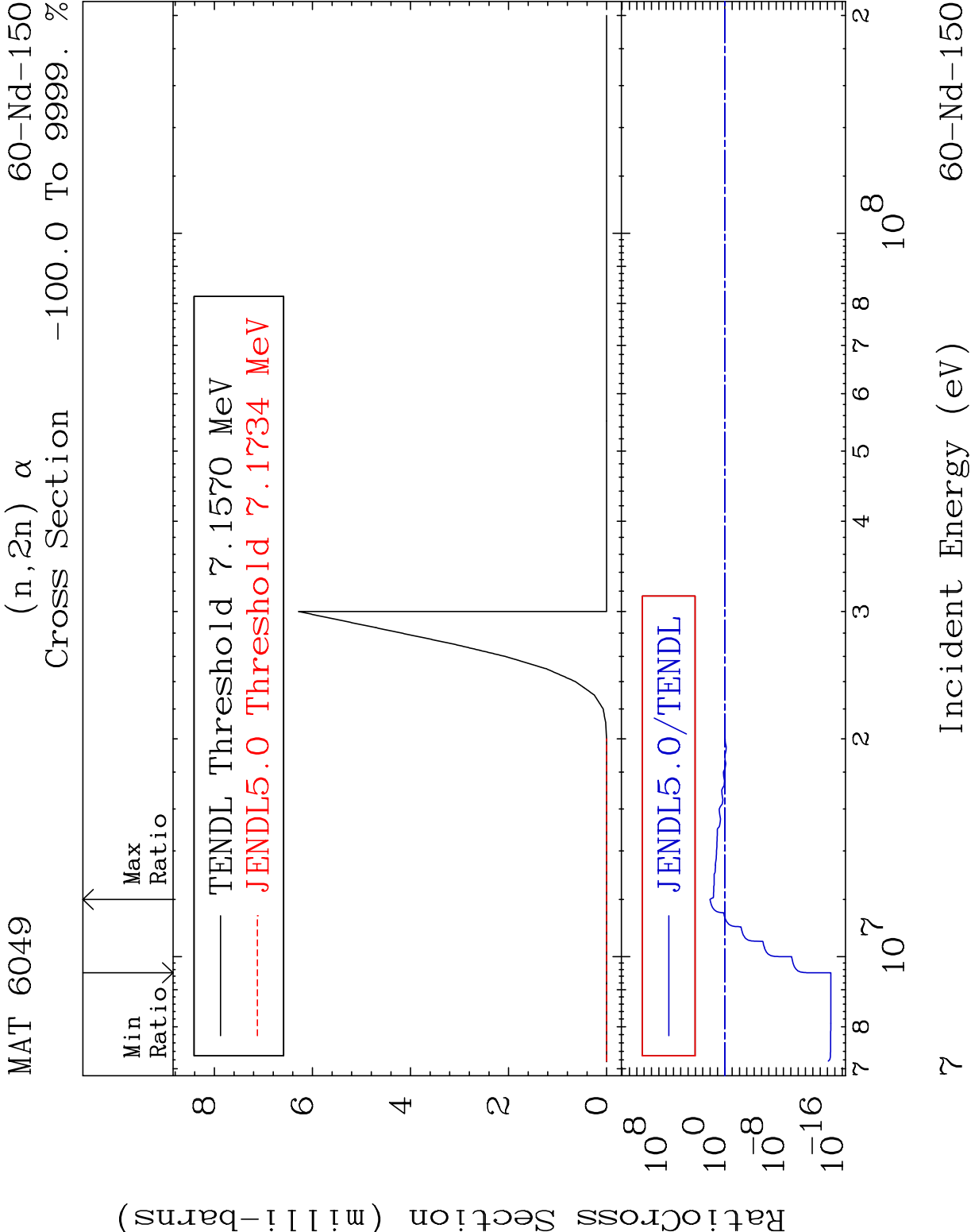
MAT 6049

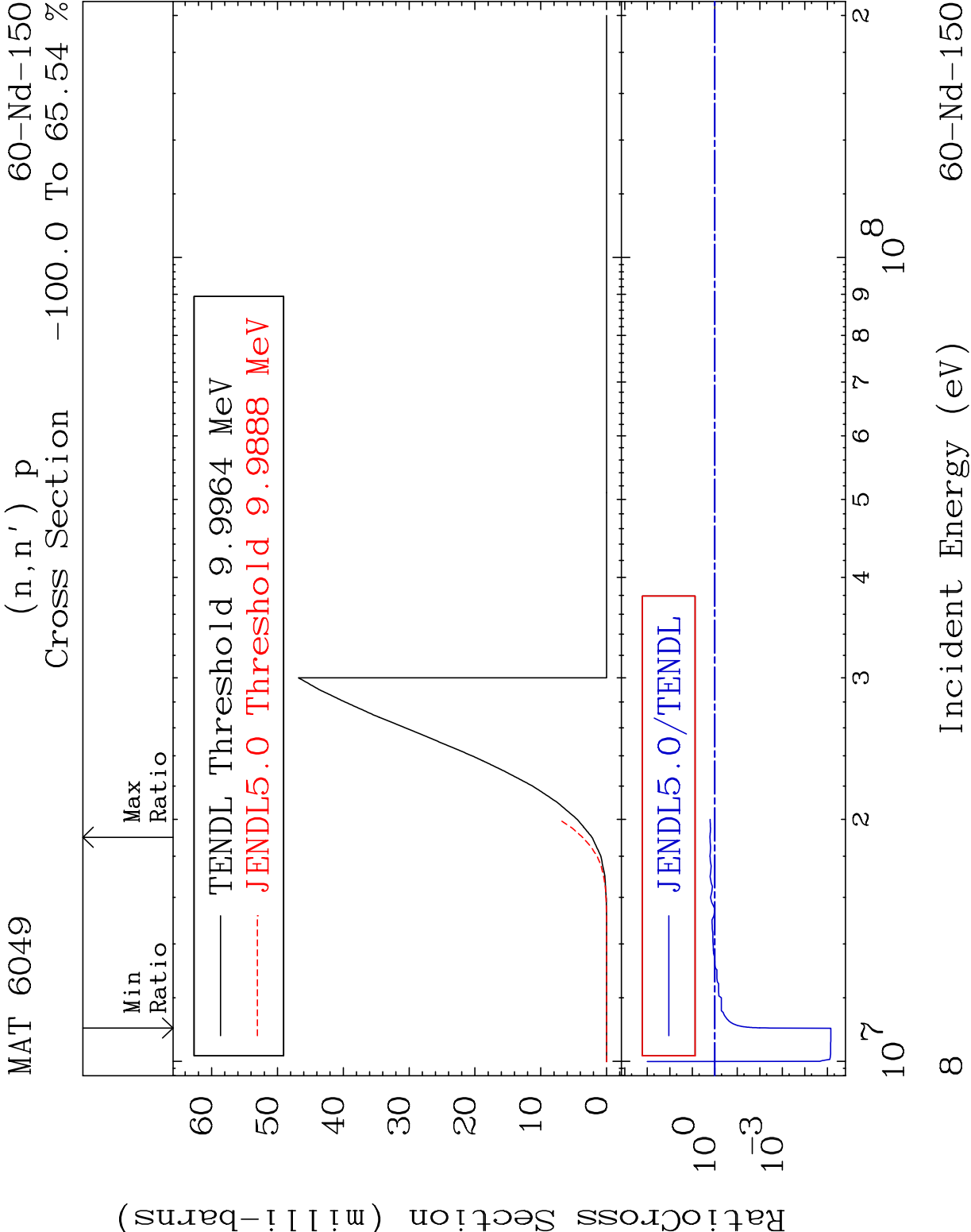
$$(n, n') \propto$$

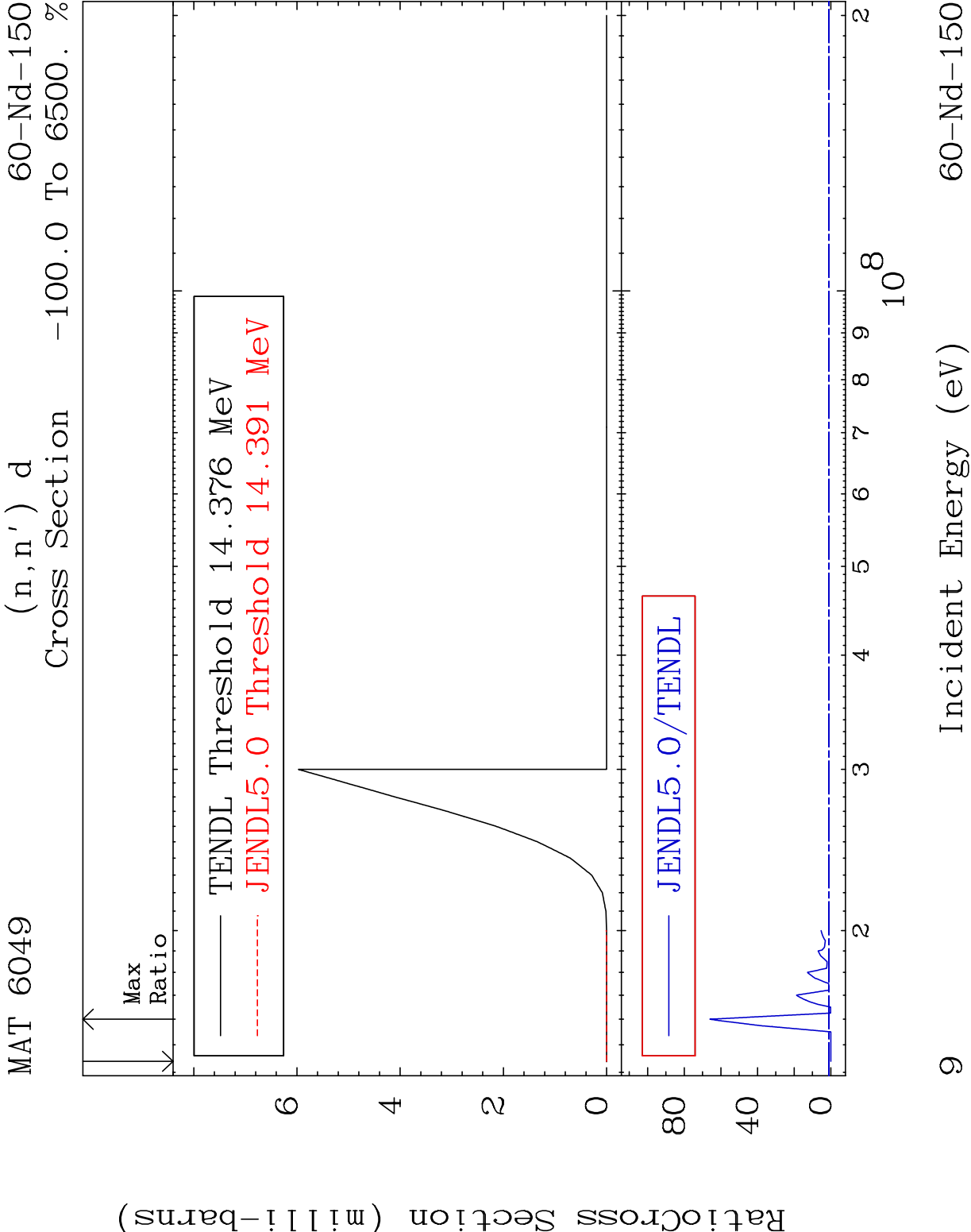
60-Nd-150

Cross Section -100.0 To 9999. %





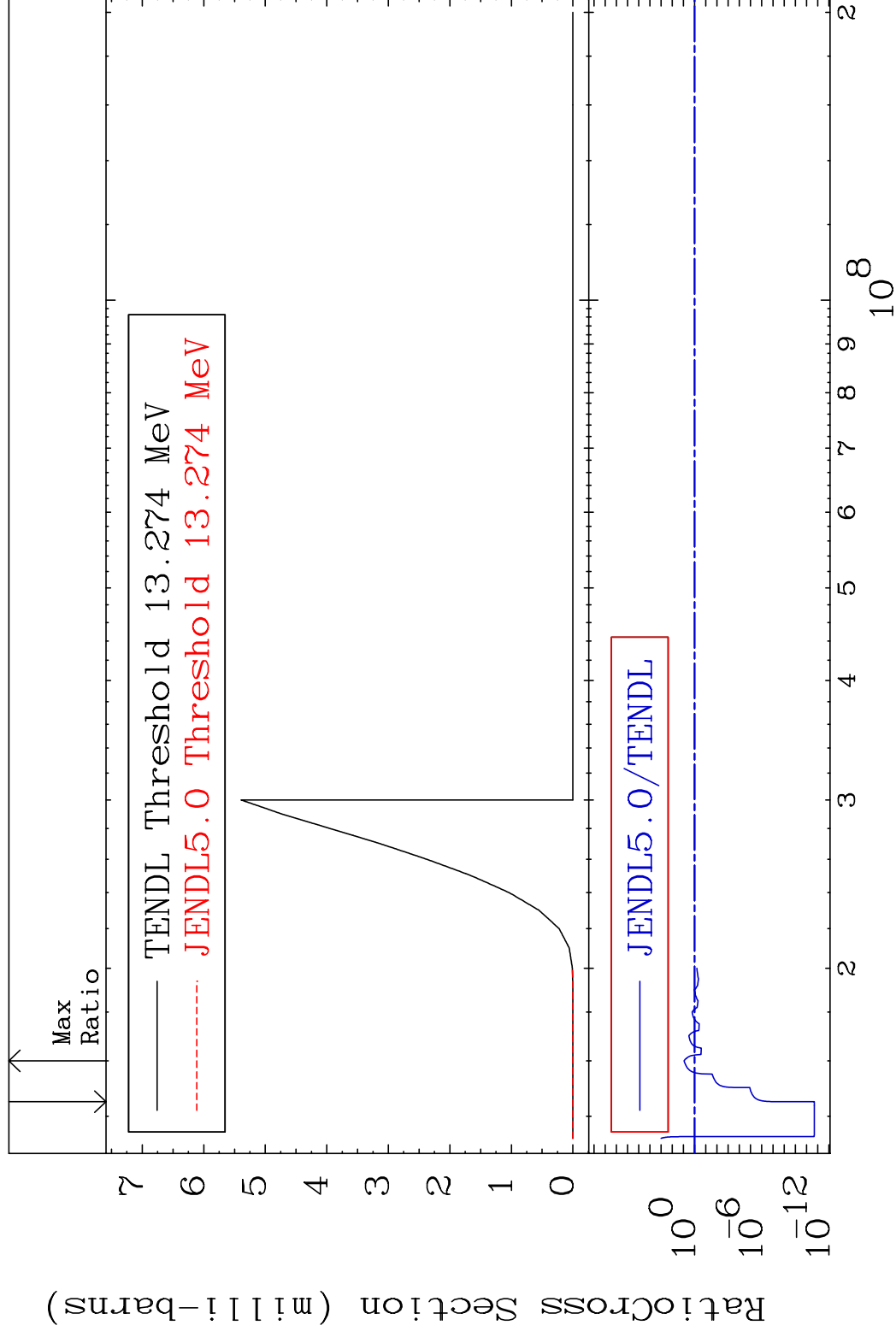




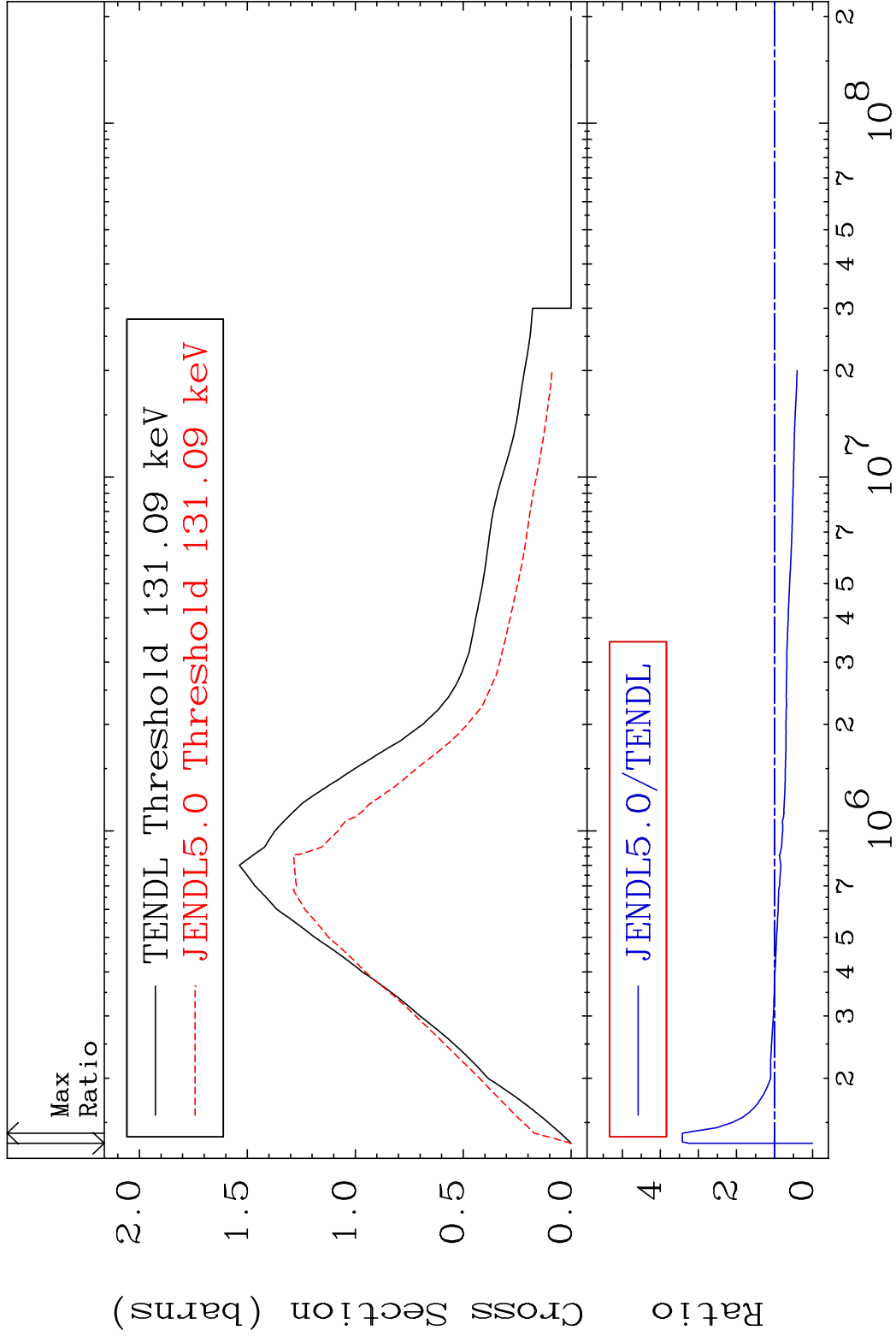
MAT 6049

$$(n, n')t$$

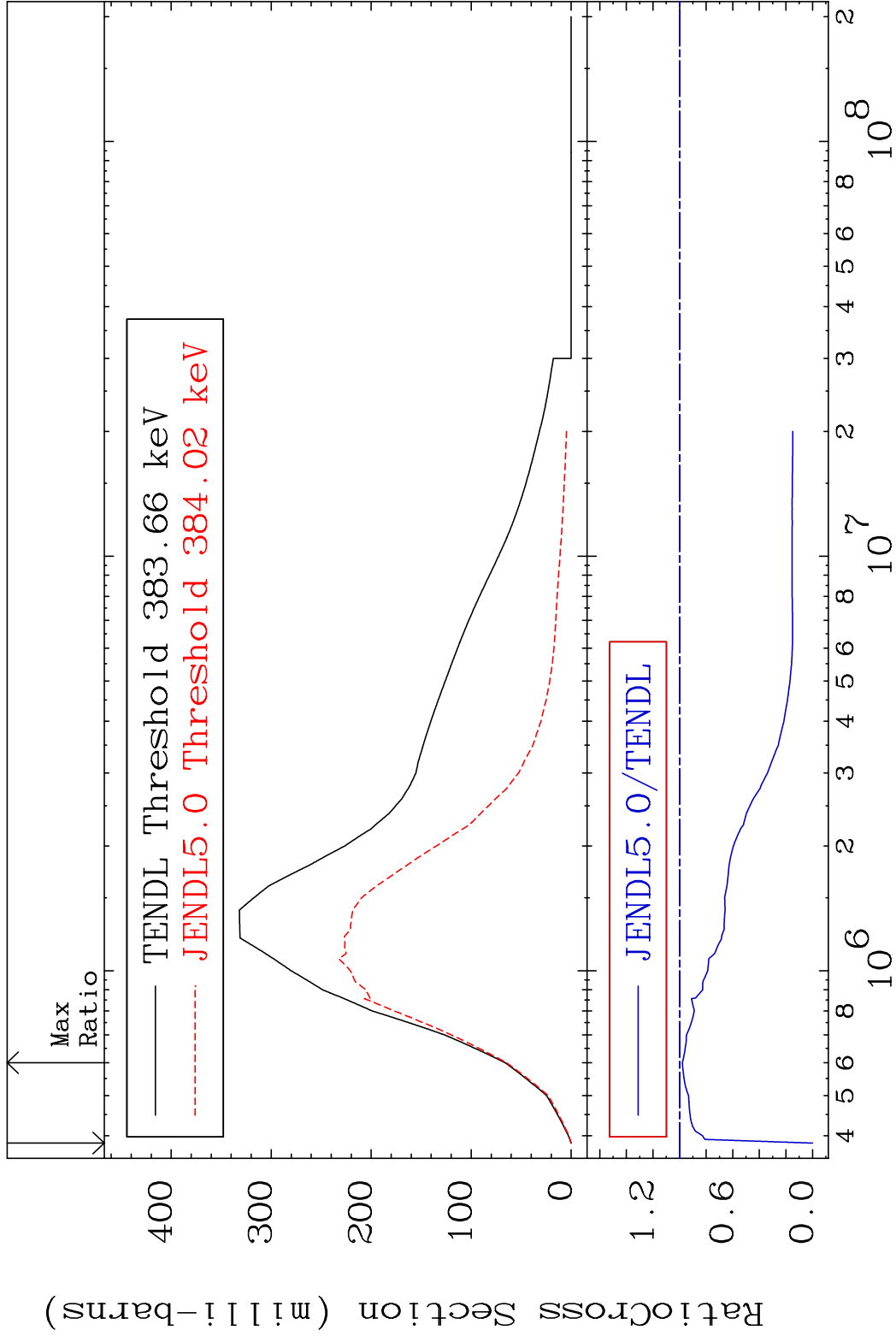
60-Nd-150

Cross Section -100.0 To 782.7 %

MAT 6049 MT= 51 (n,n') Level 60-Nd-150
 Cross Section -100.0 To 242.2 %

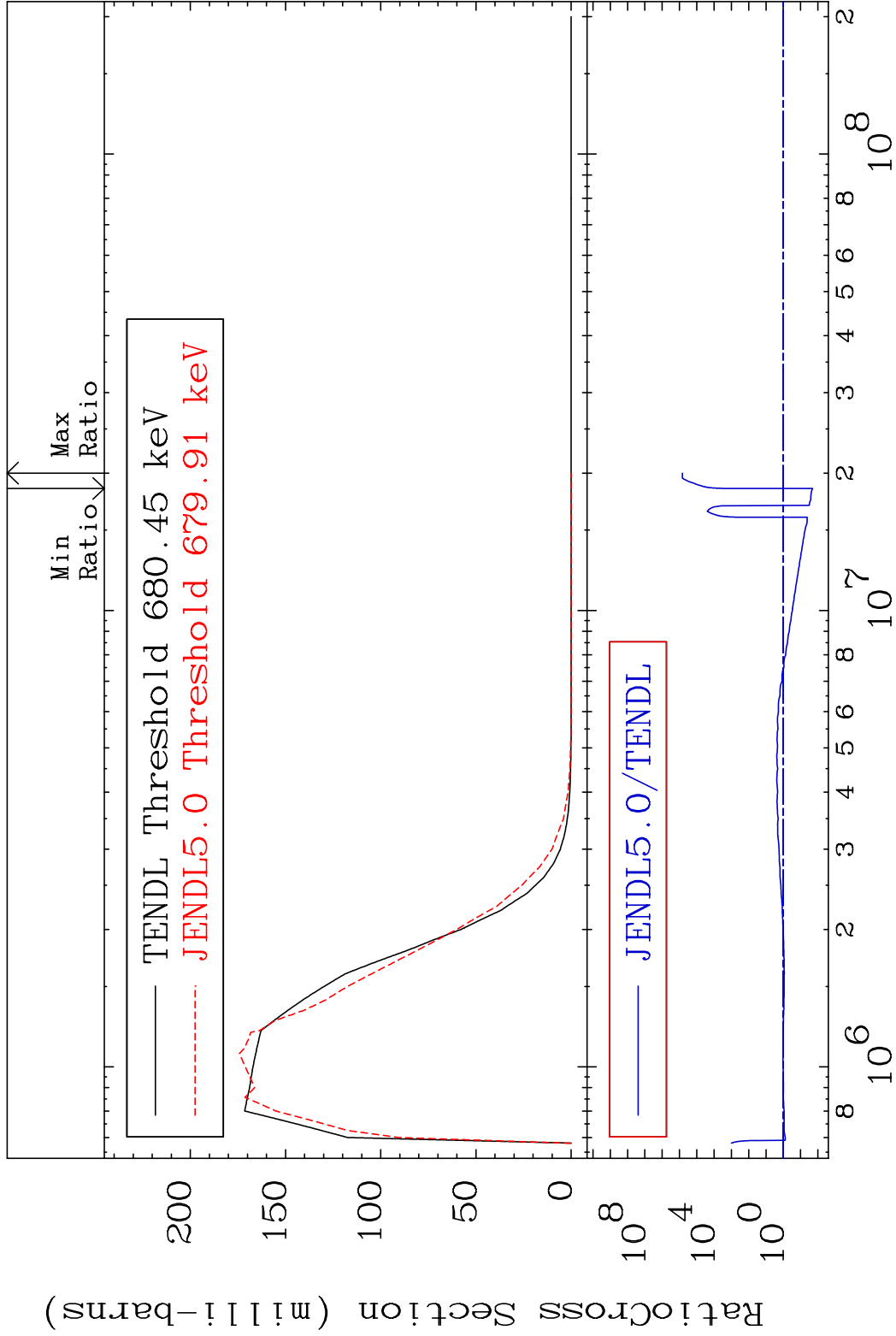


MAT 6049 MT= 52 (n,n') Level 60-Nd-150
Cross Section -100.0 To -2.107%

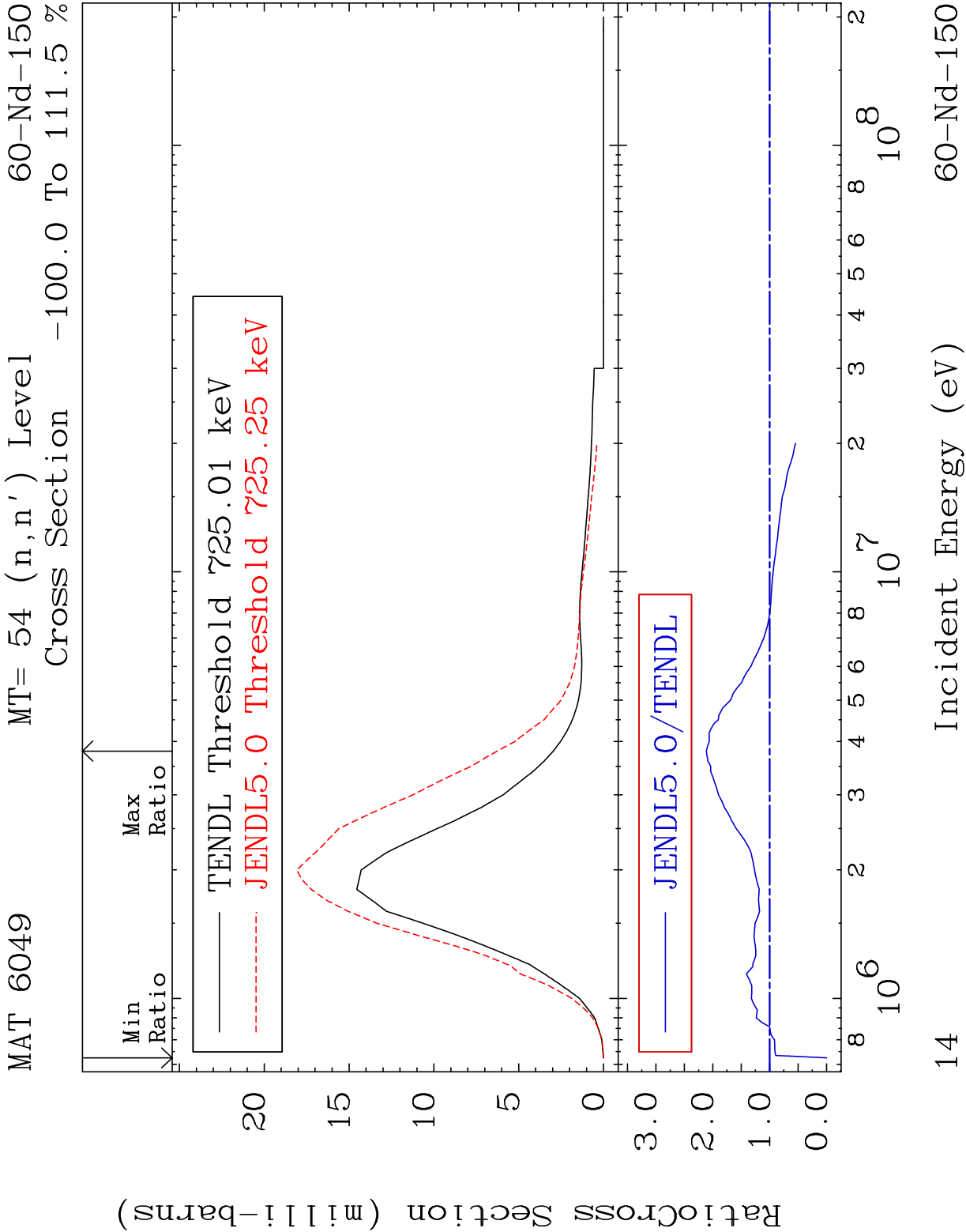


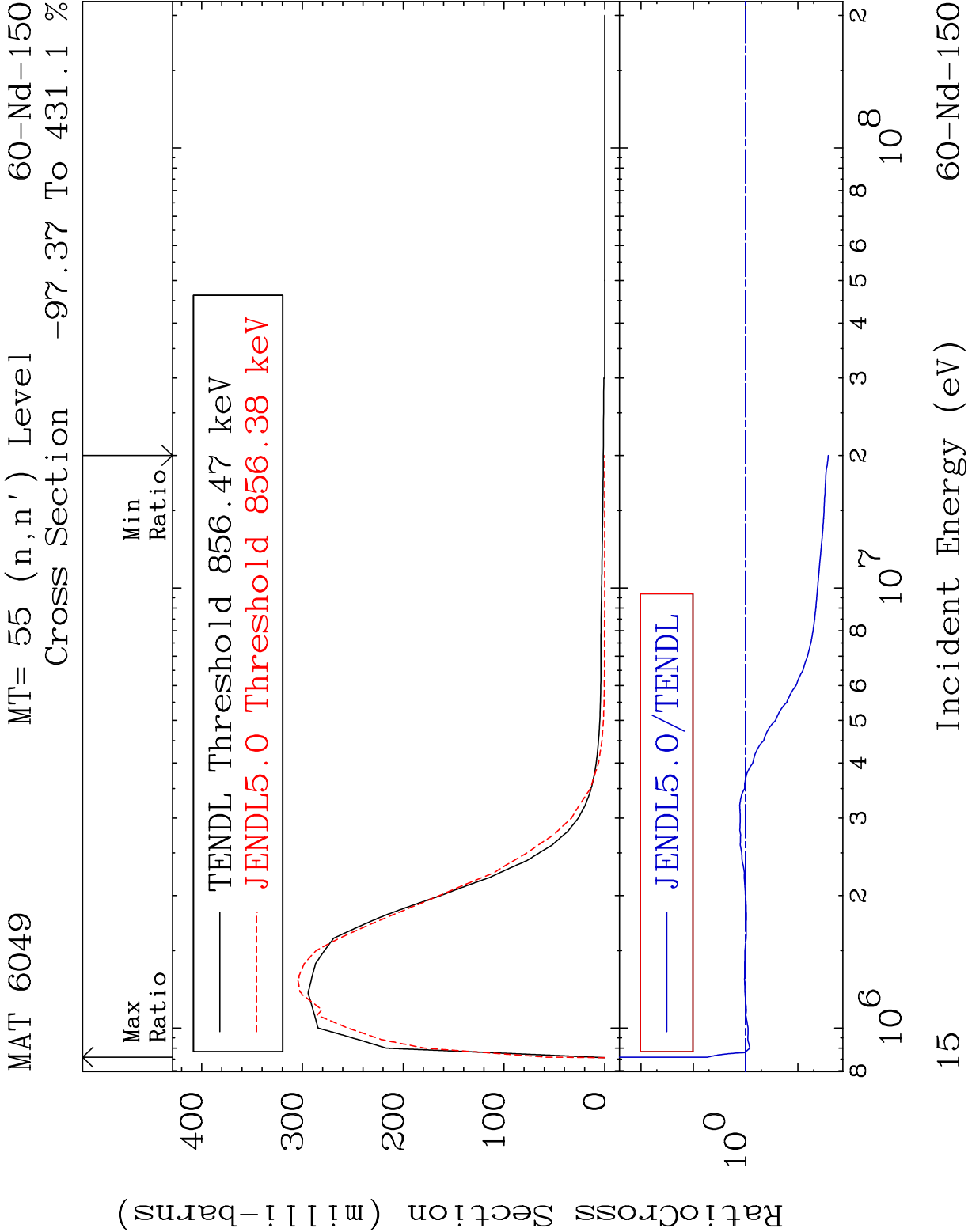
12 Incident Energy (eV) 60-Nd-150

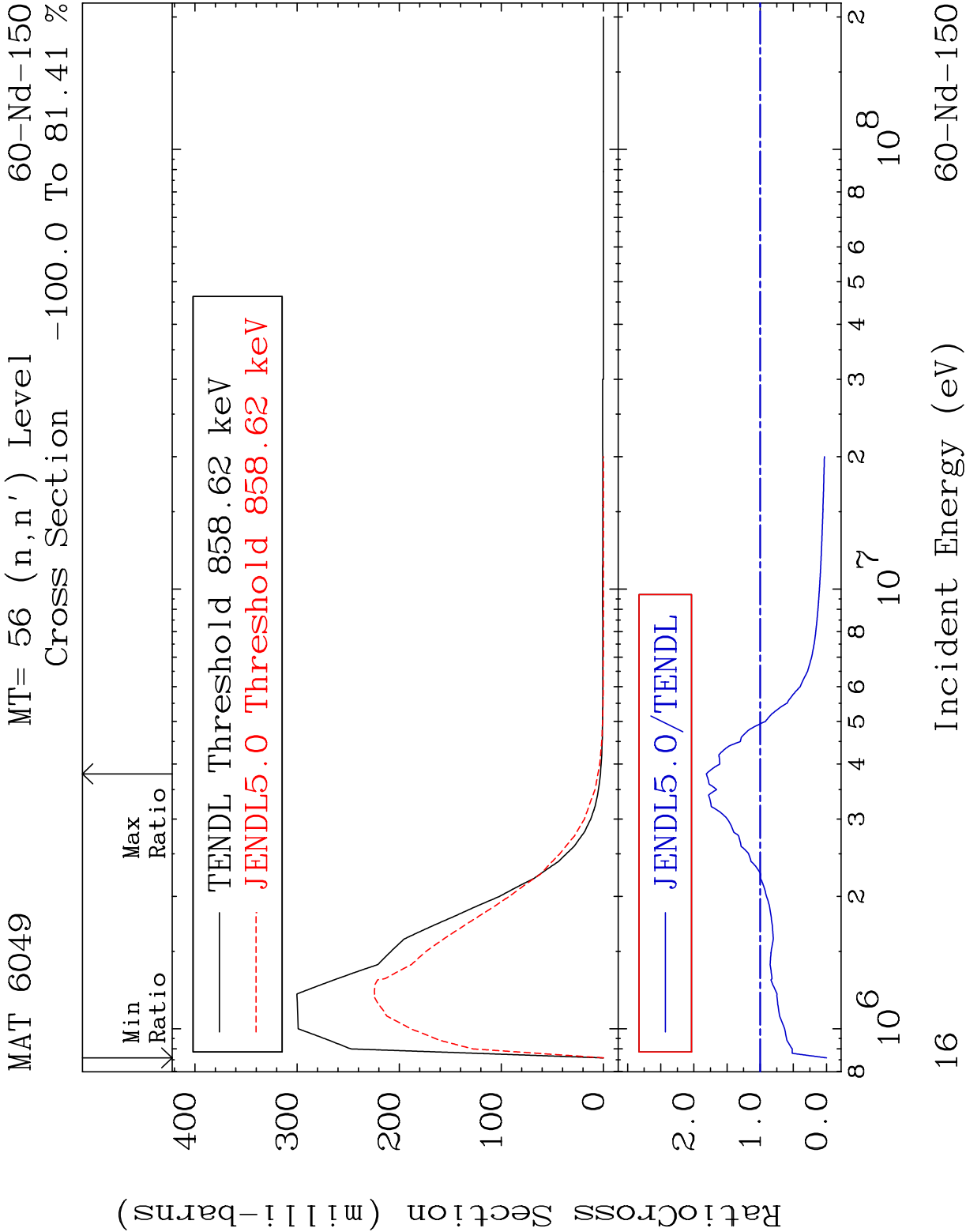
MAT 6049 MT= 53 (n,n') Level 60-Nd-150
Cross Section -97.96 To 9999. %



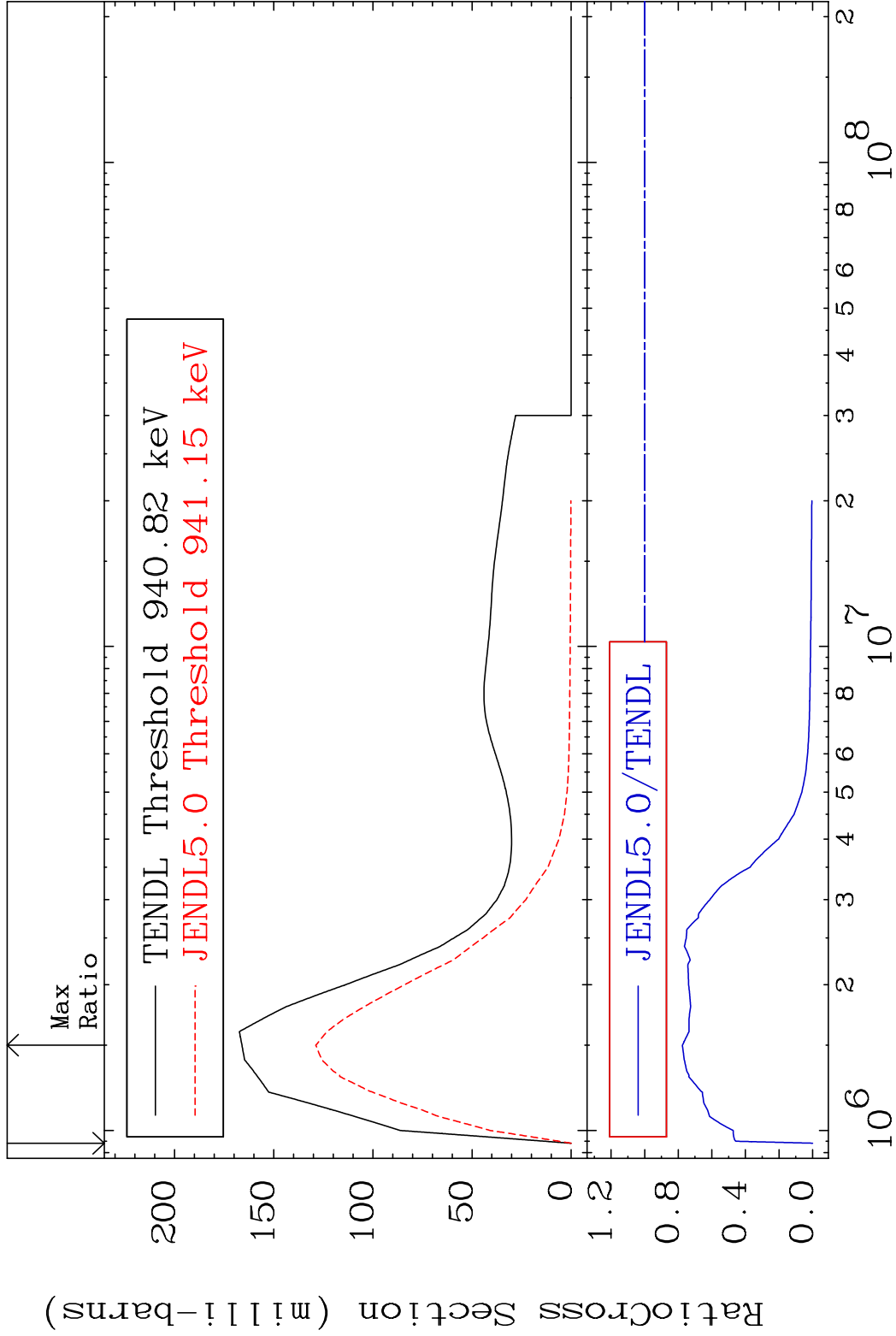
13 Incident Energy (eV) 60-Nd-150

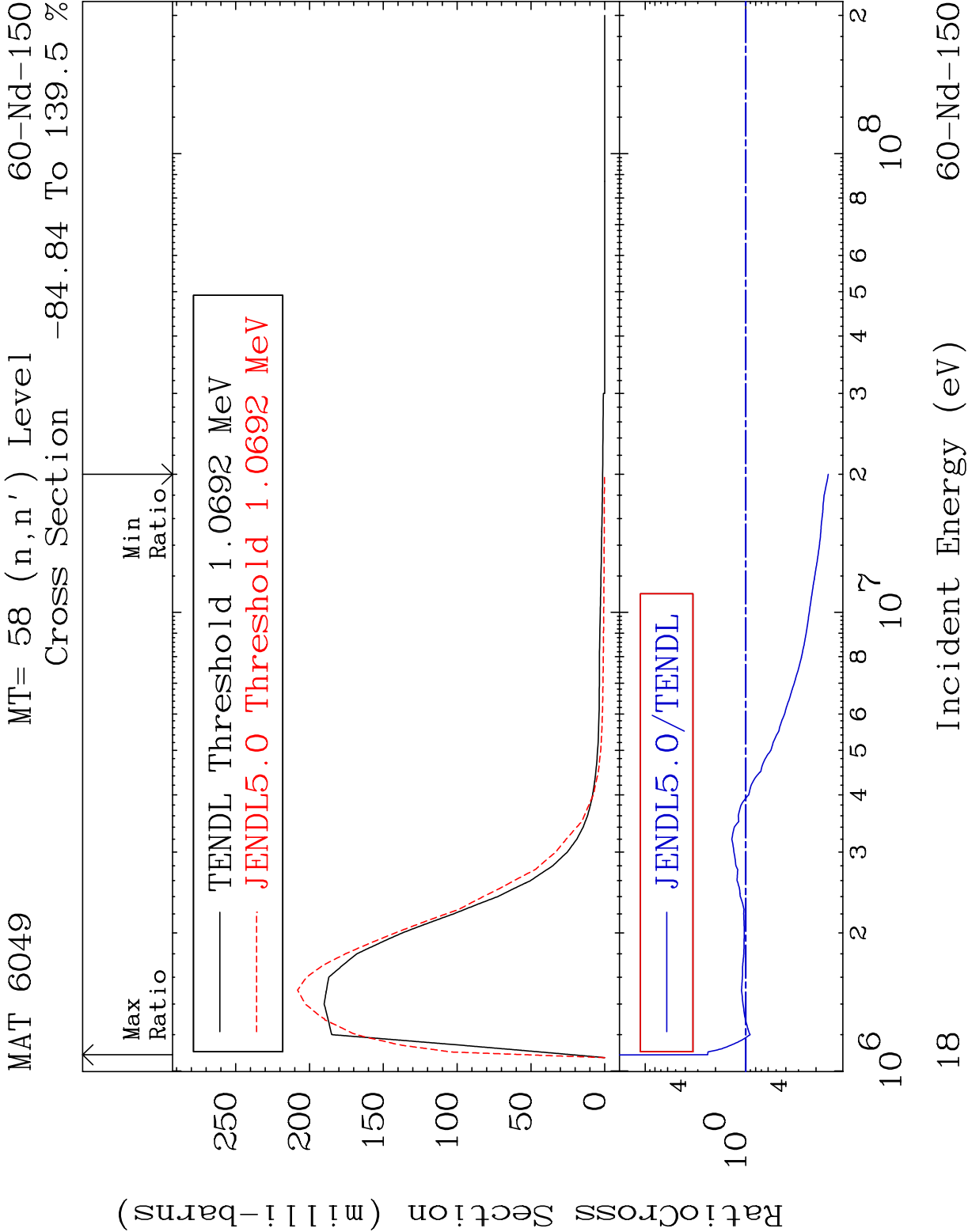


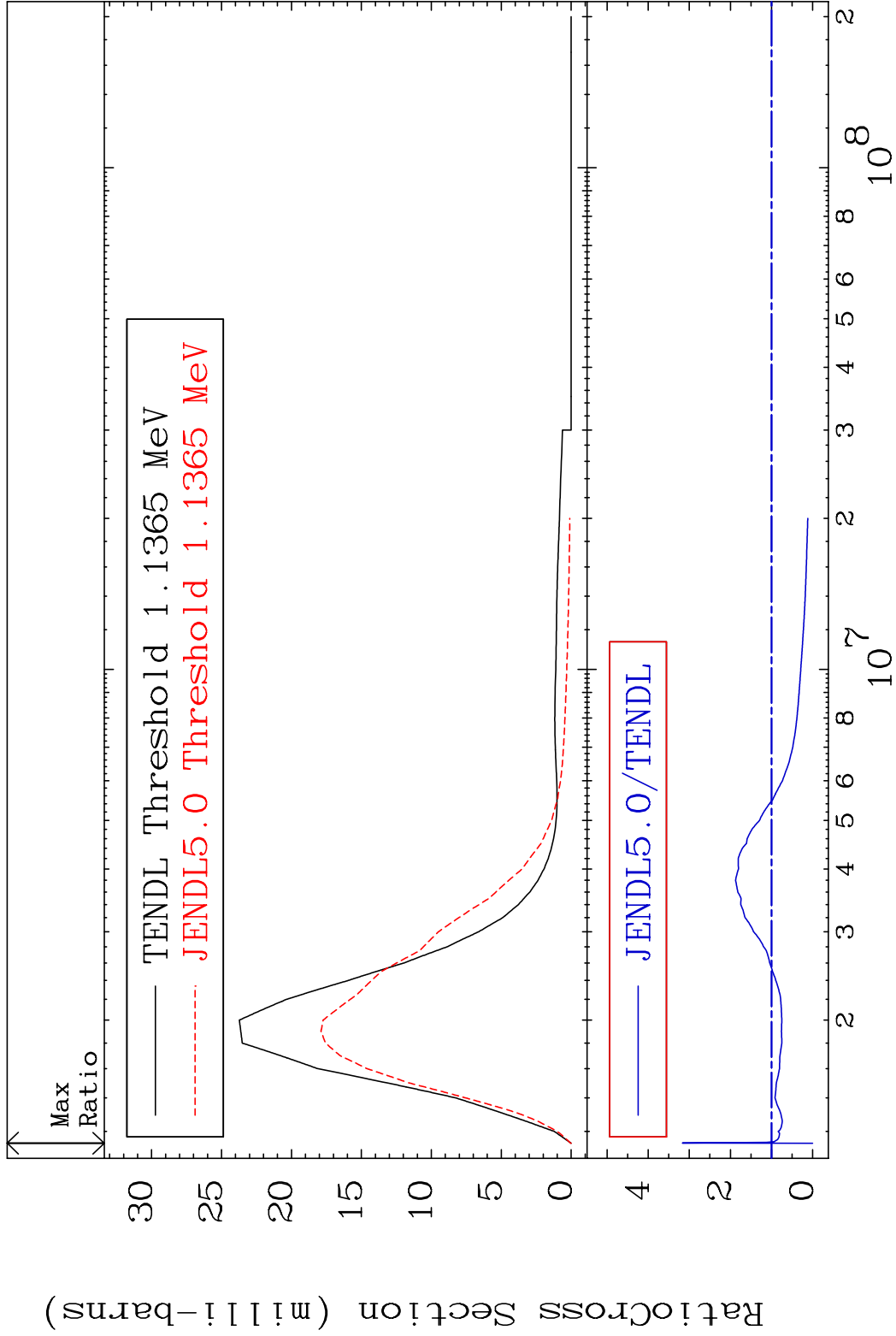




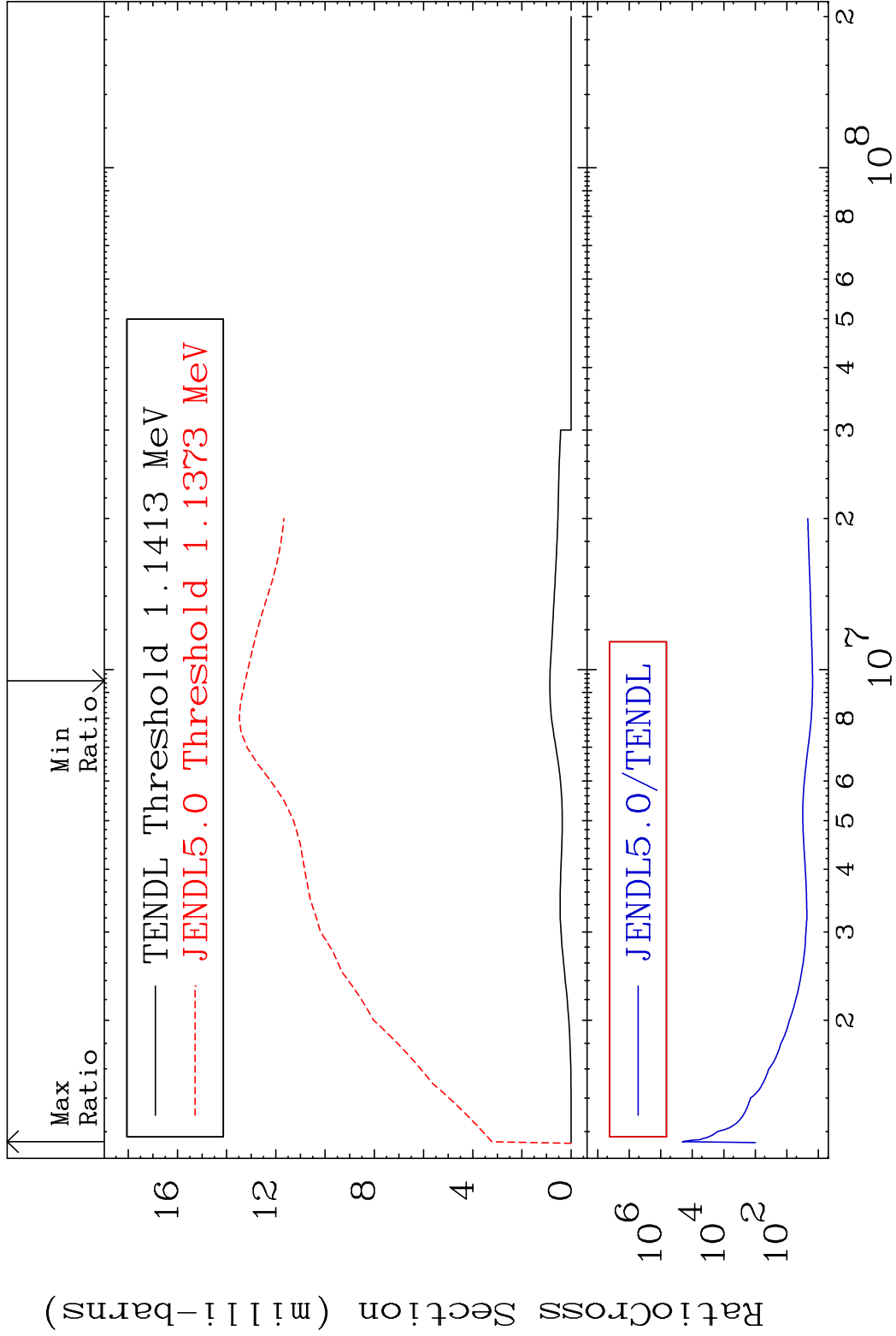
MAT 6049 MT= 57 (n,n') Level 60-Nd-150
Cross Section -100.0 To -22.44%

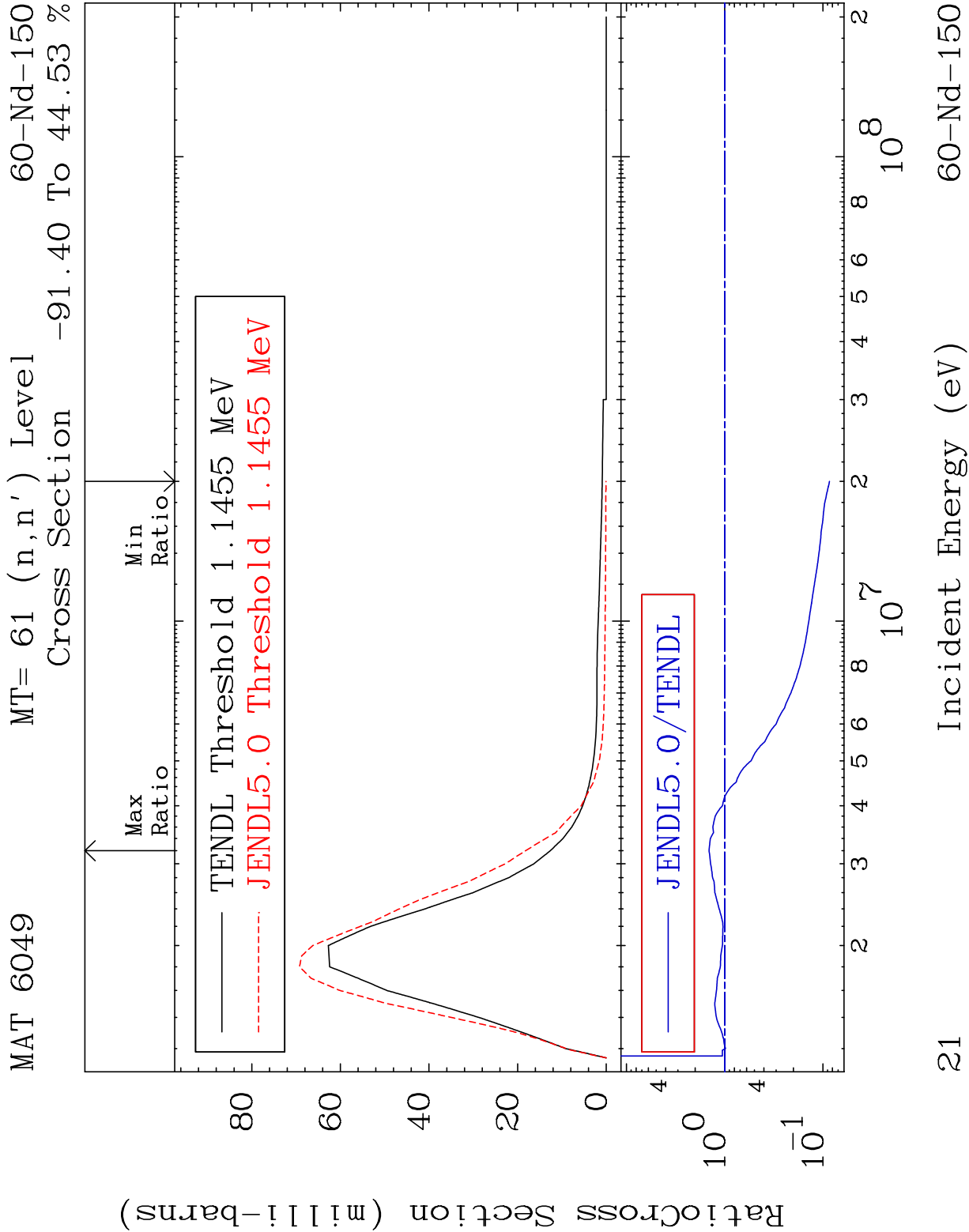


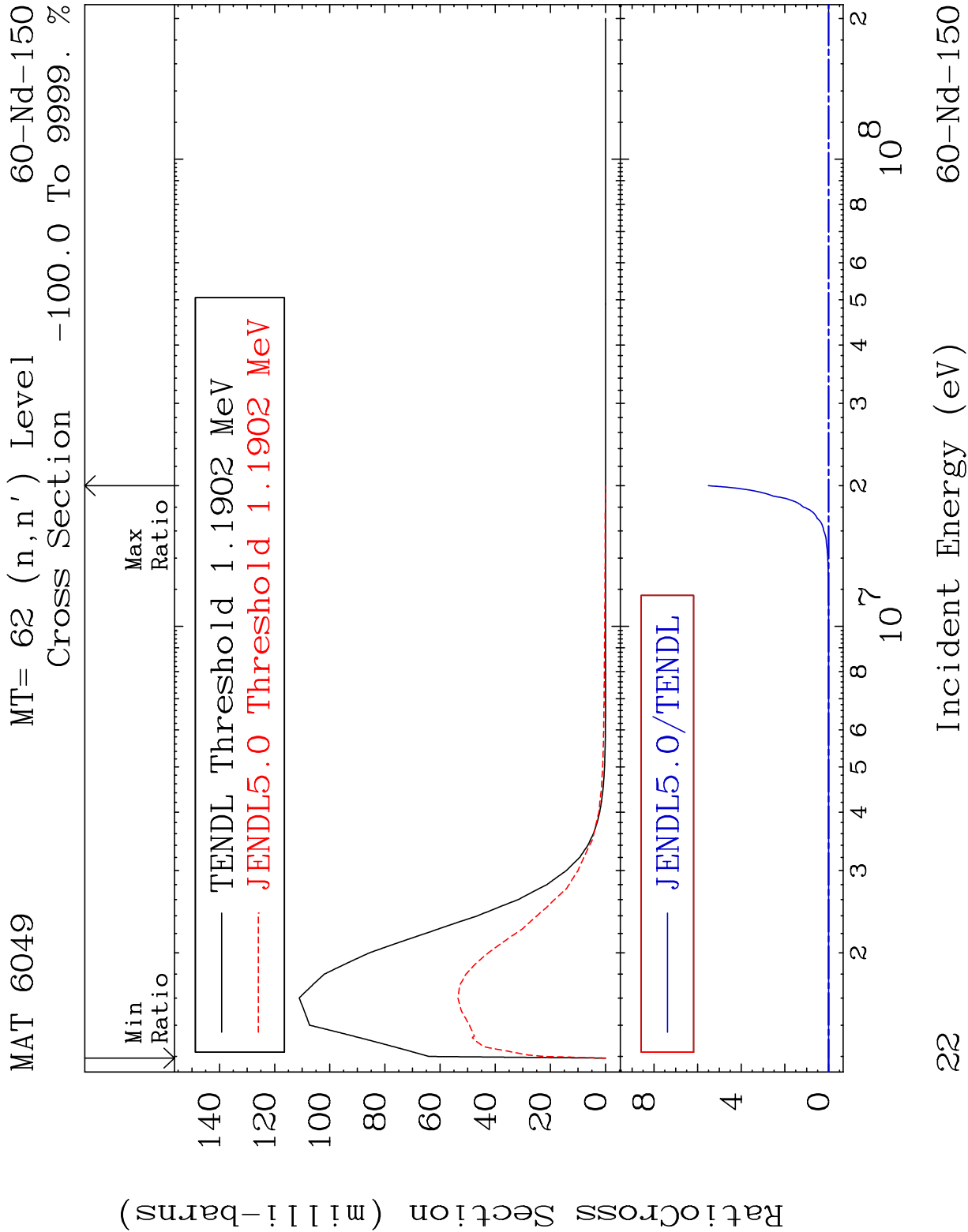


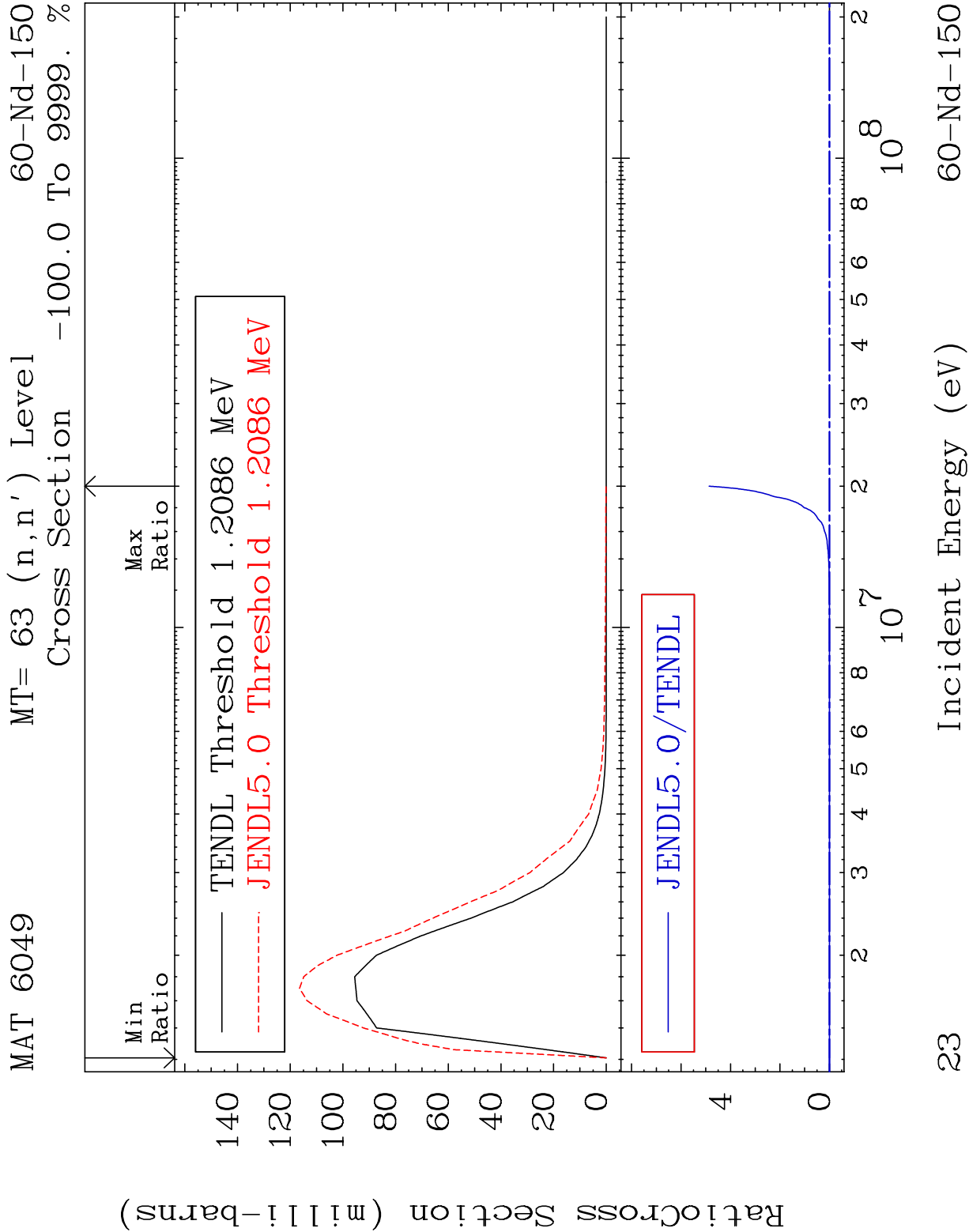


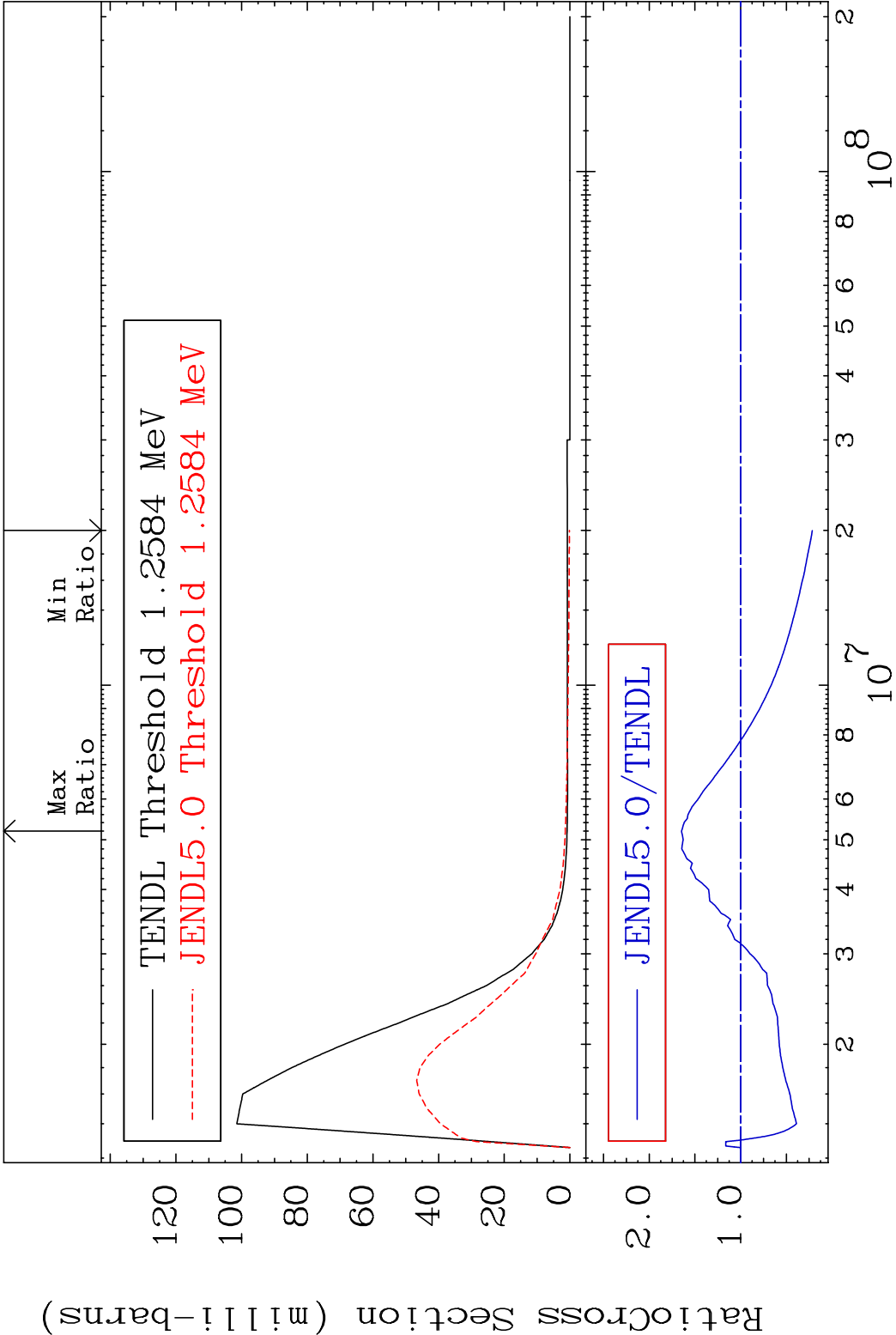
MAT 6049 MT= 60 (n,n') Level 60-Nd-150
Cross Section 1427. To 9999. %



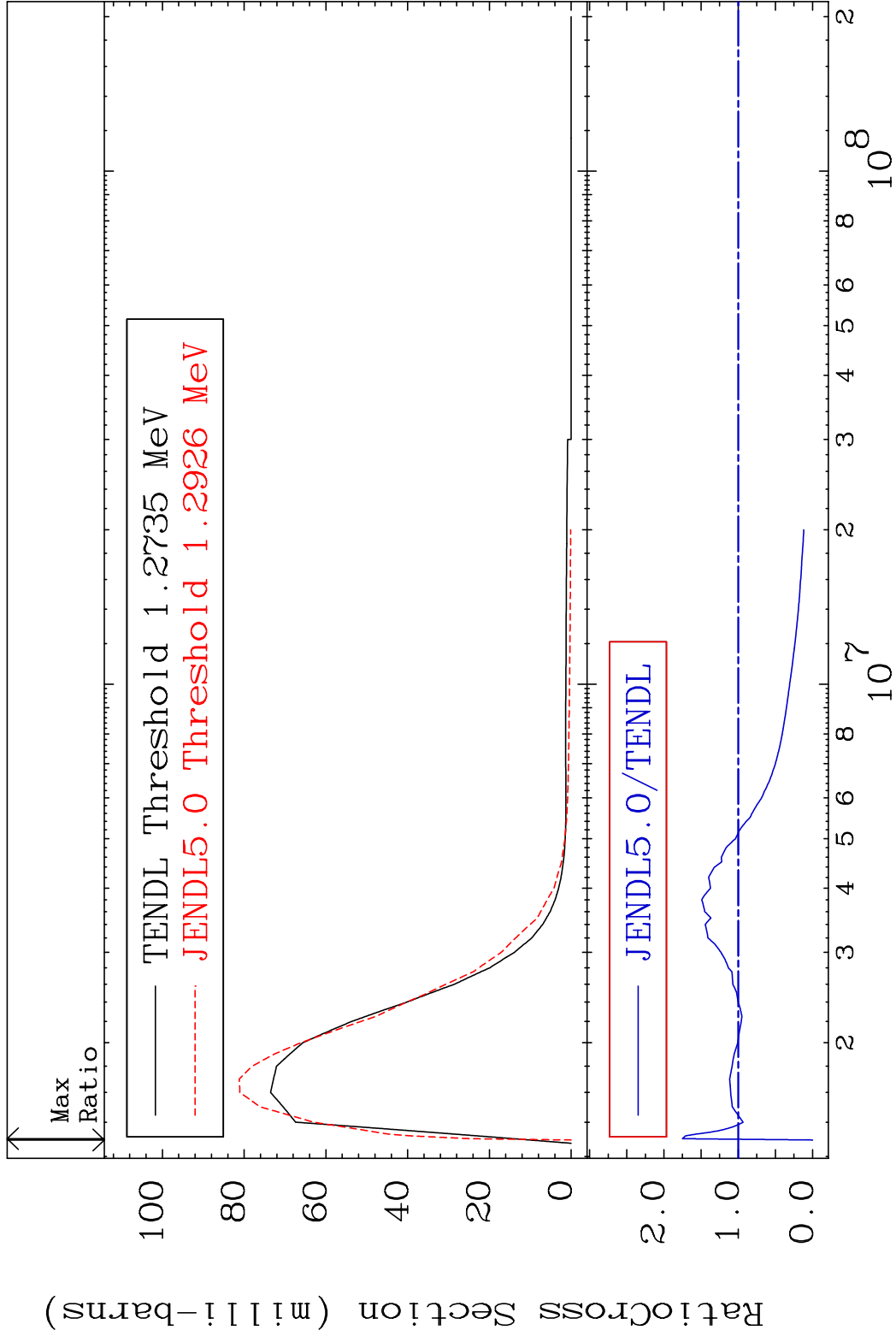


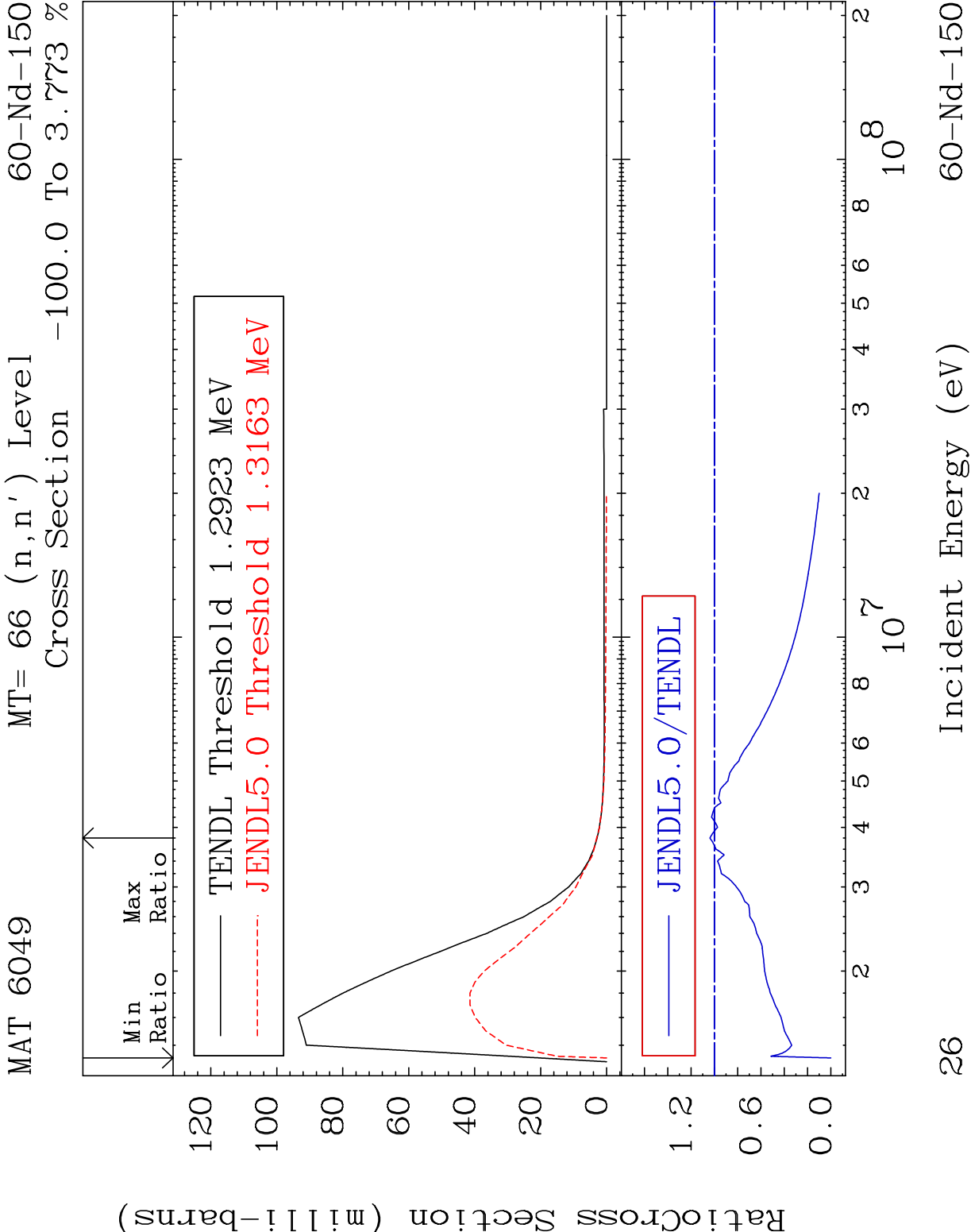






MAT 6049 MT= 65 (n,n') Level 60-Nd-150
Cross Section -100.0 To 75.19 %





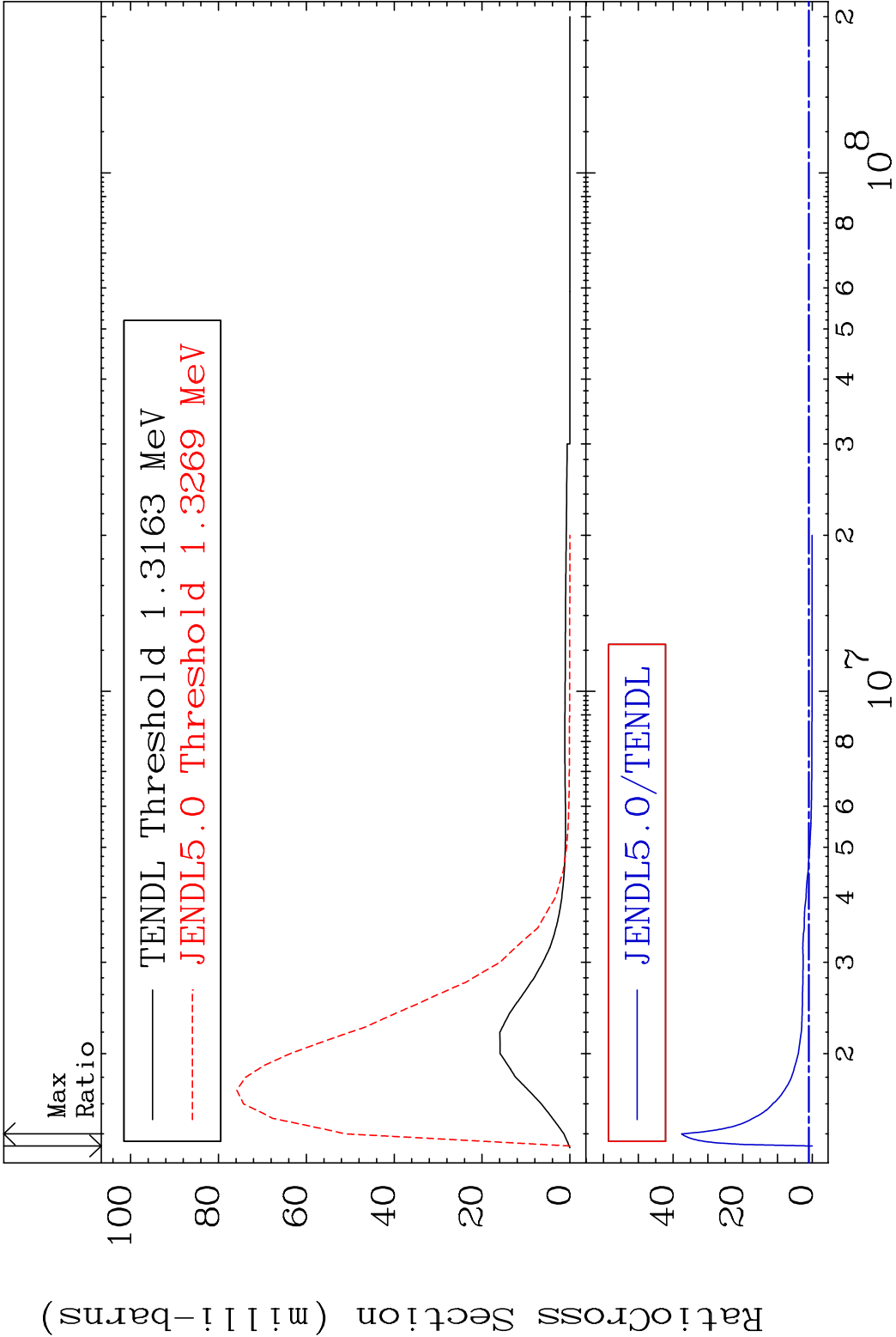
MAT 6049

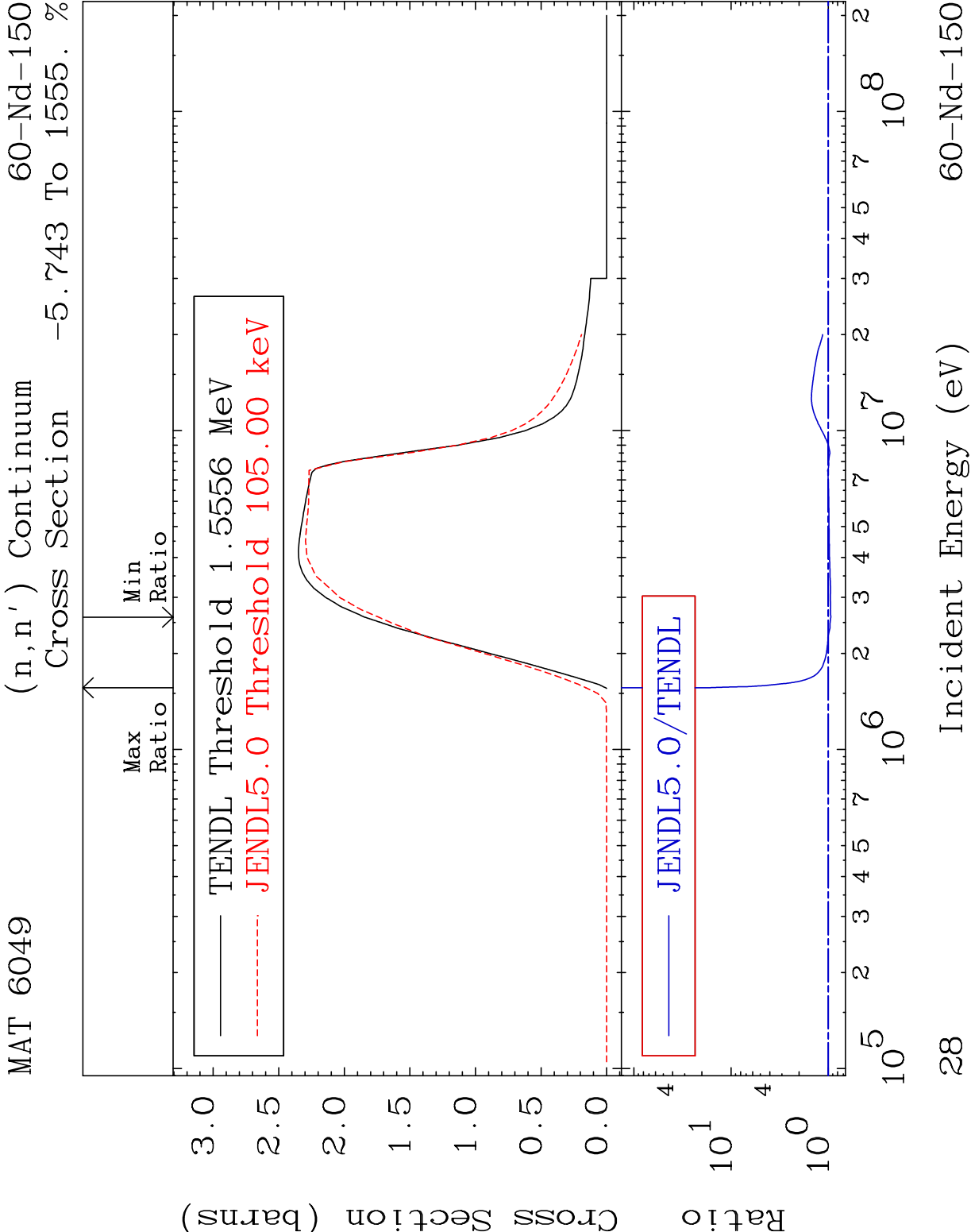
MT= 67 (n,n') Level

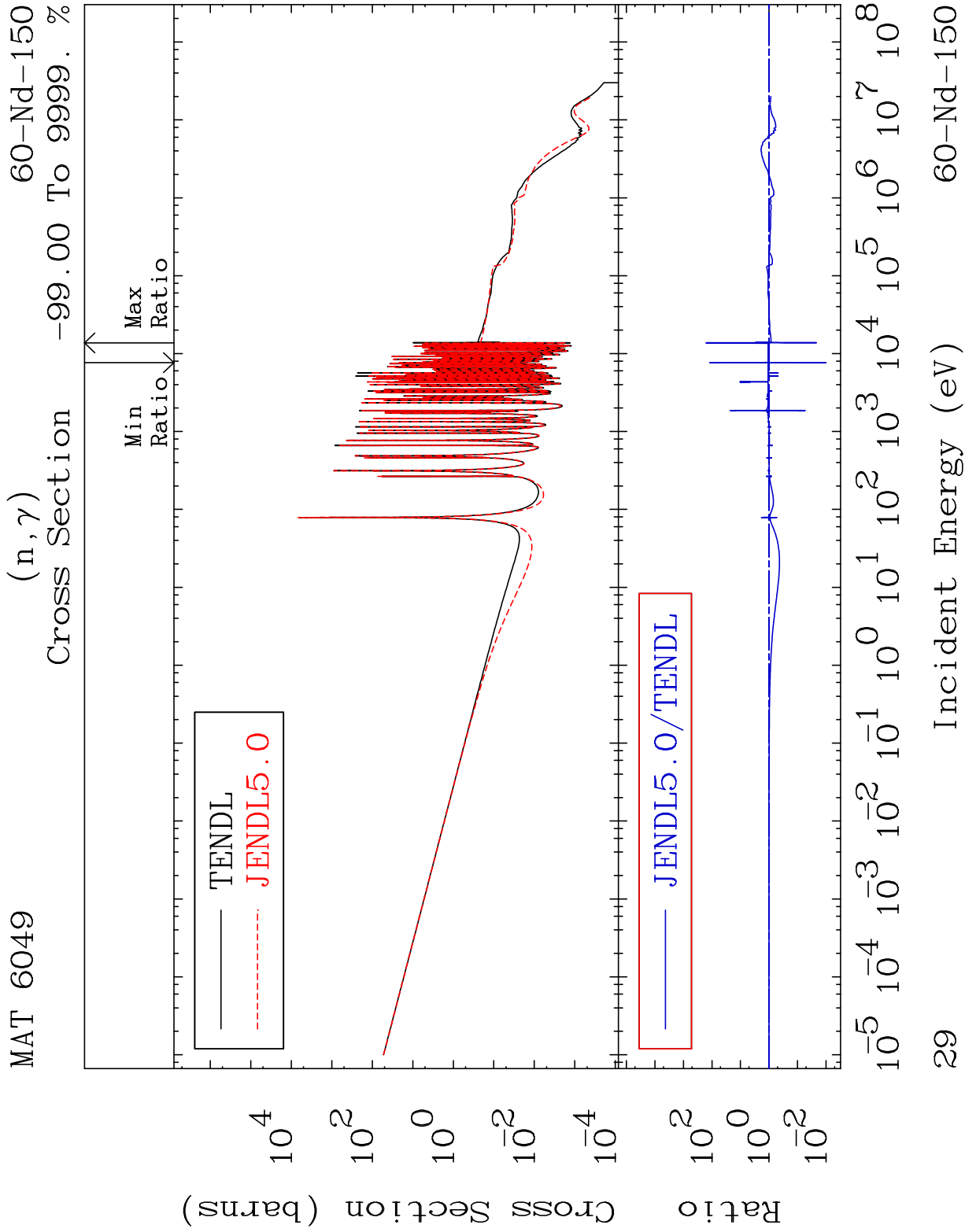
60-Nd-150

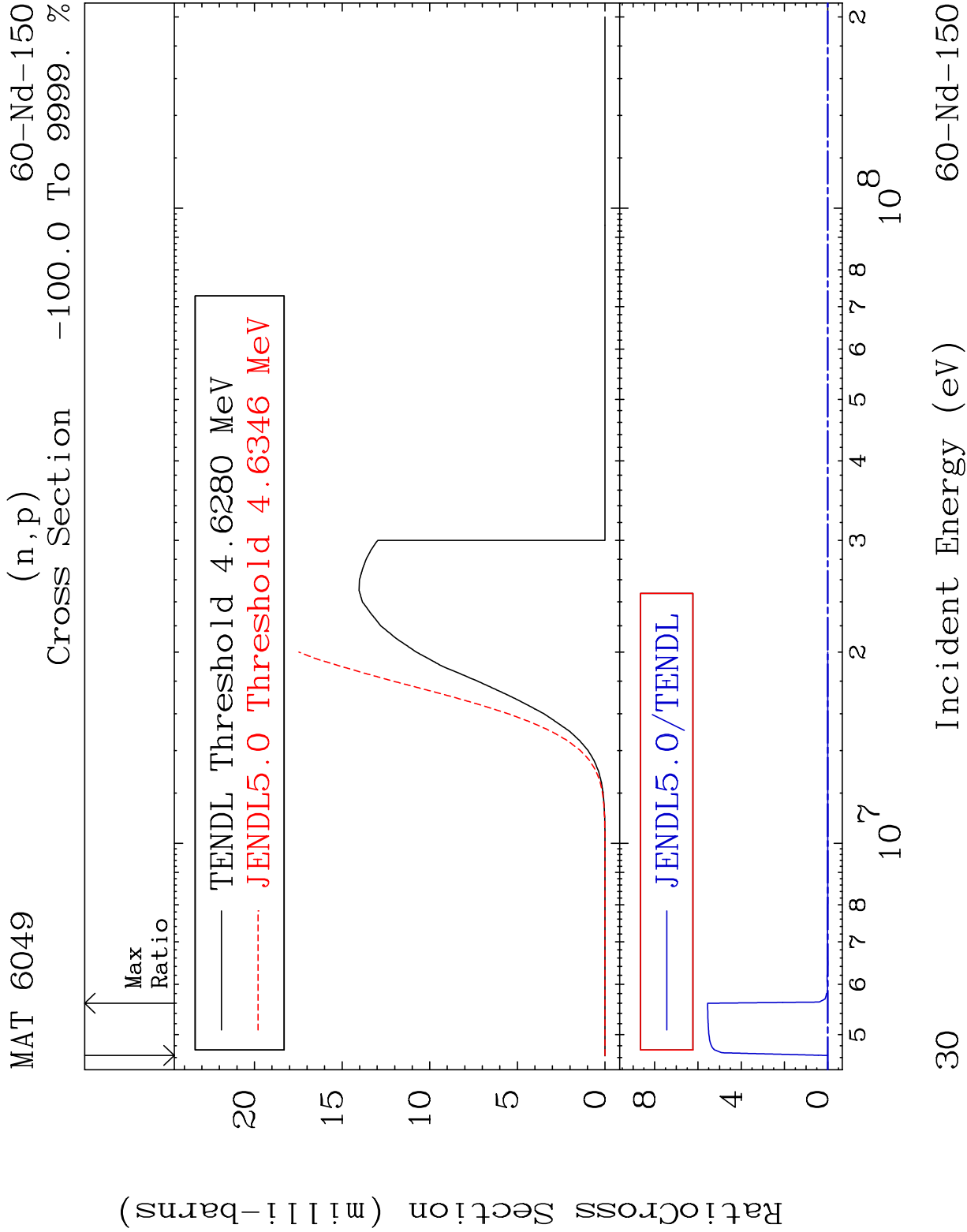
Cross Section

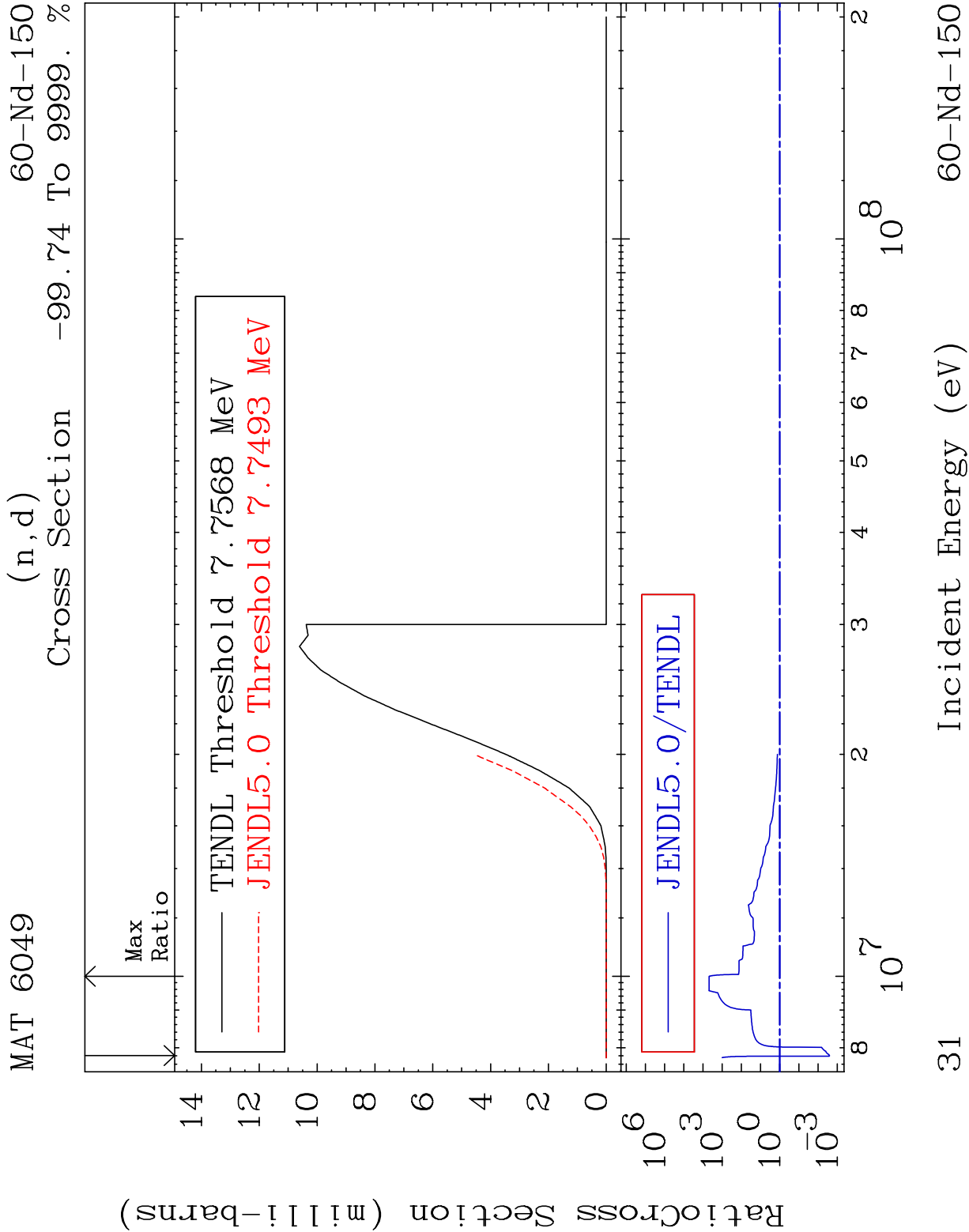
-100.0 To 3658. %

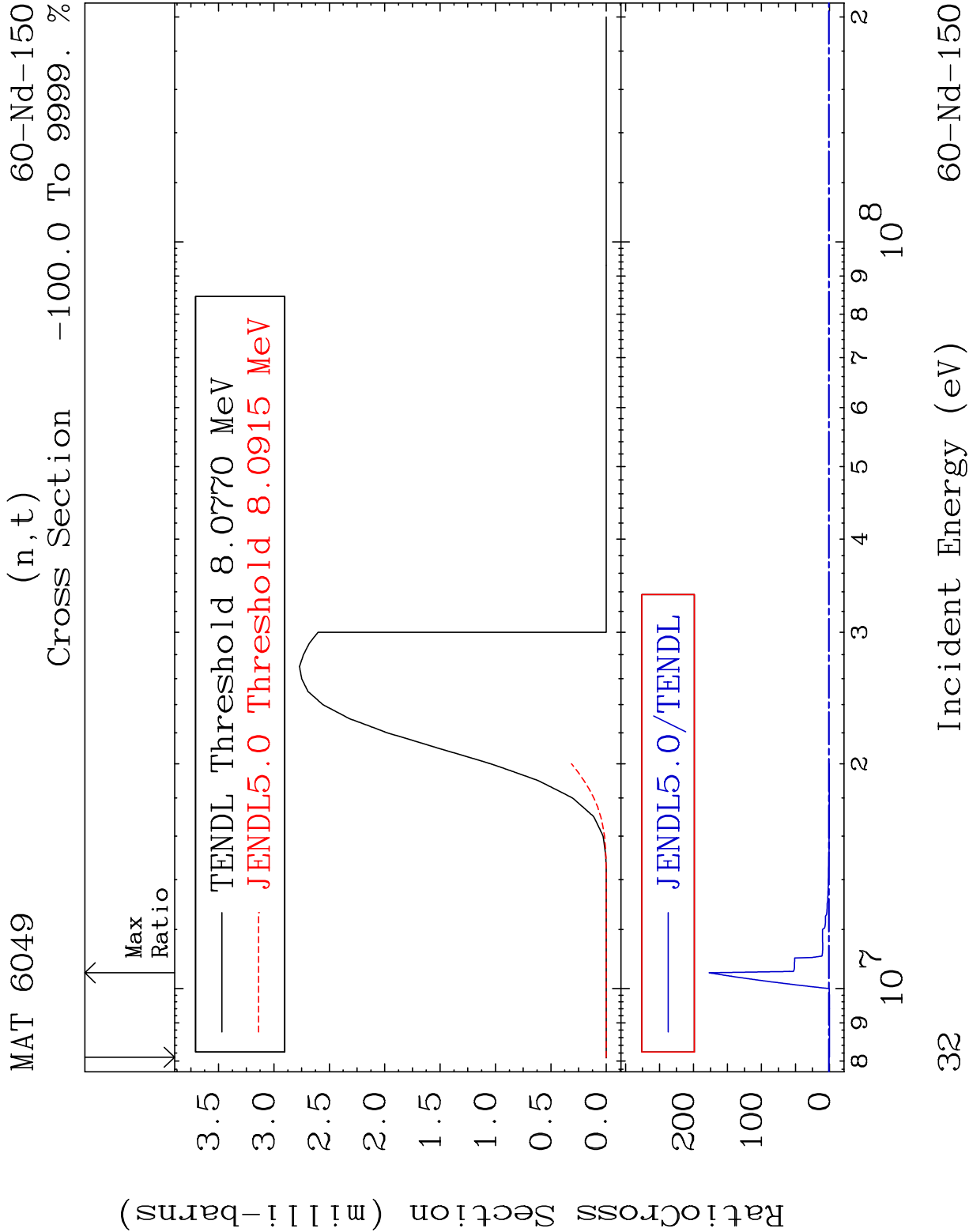


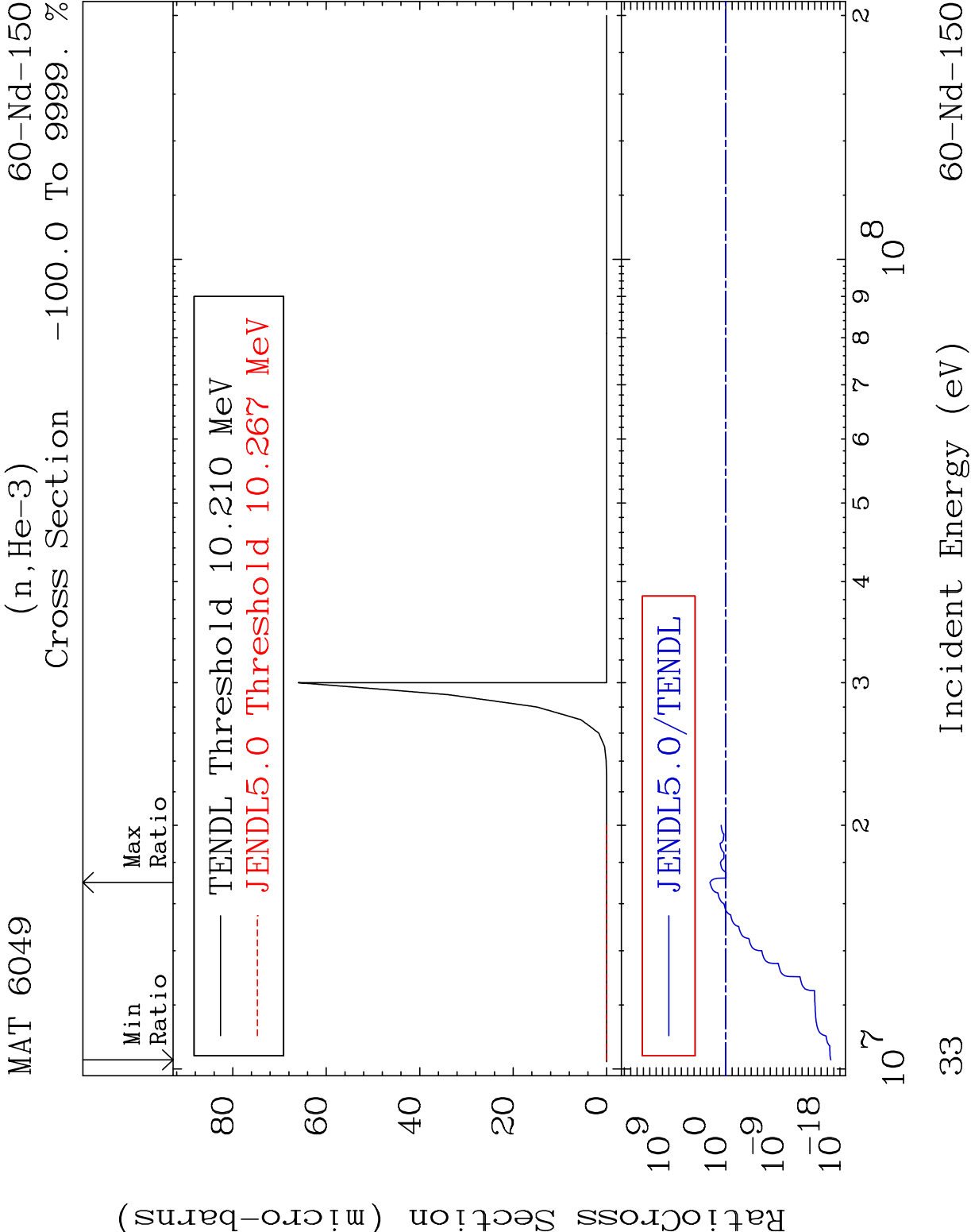


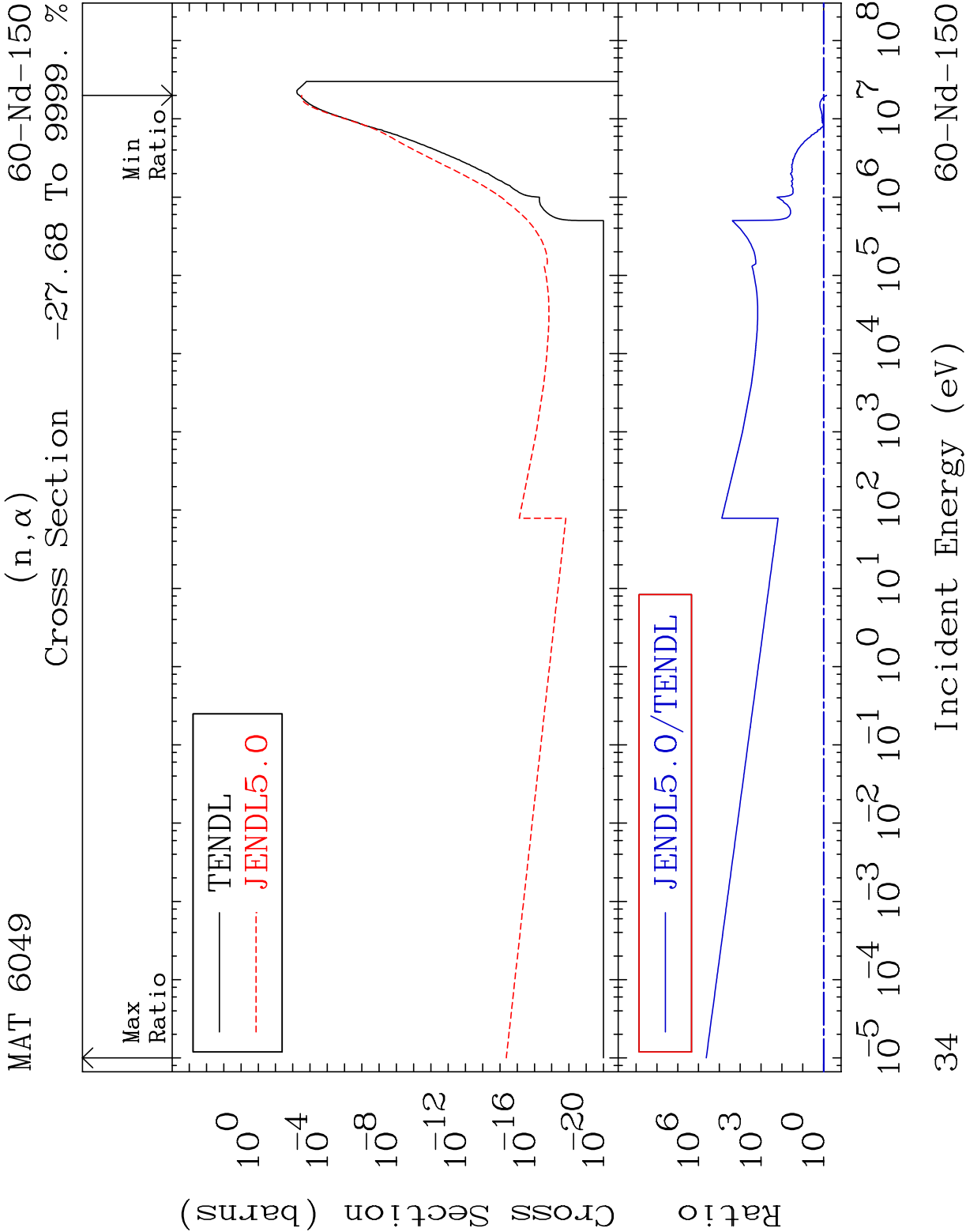


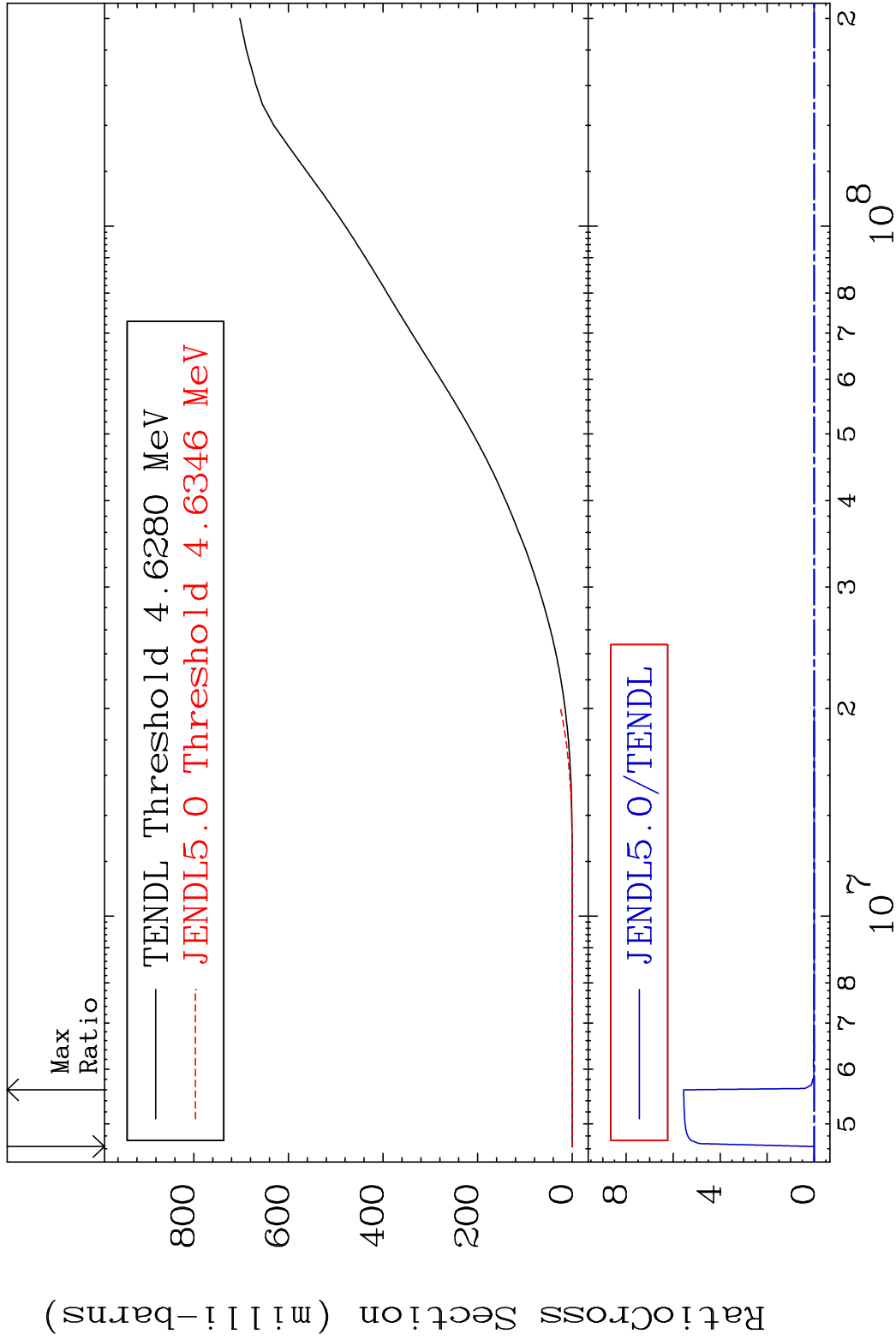


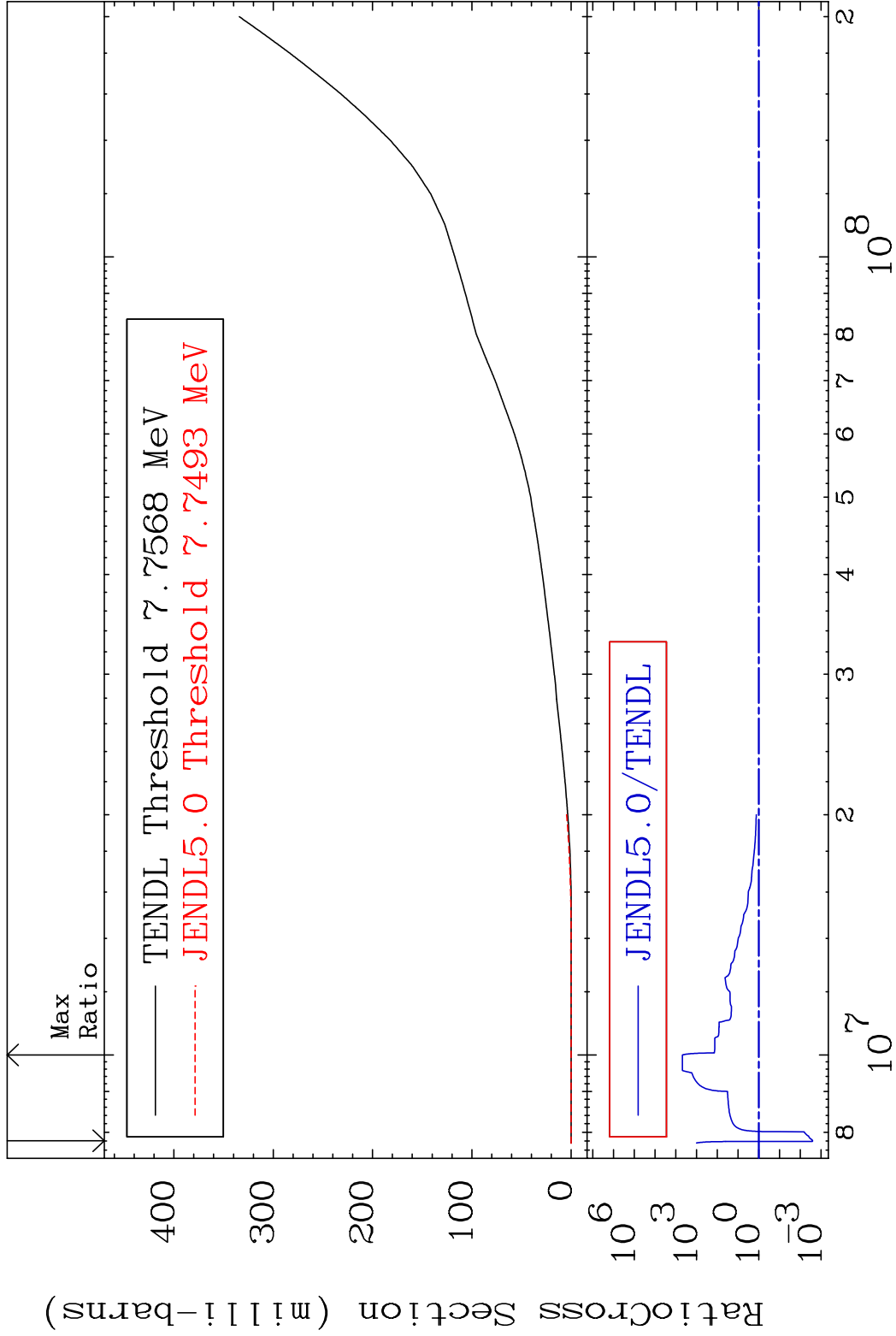




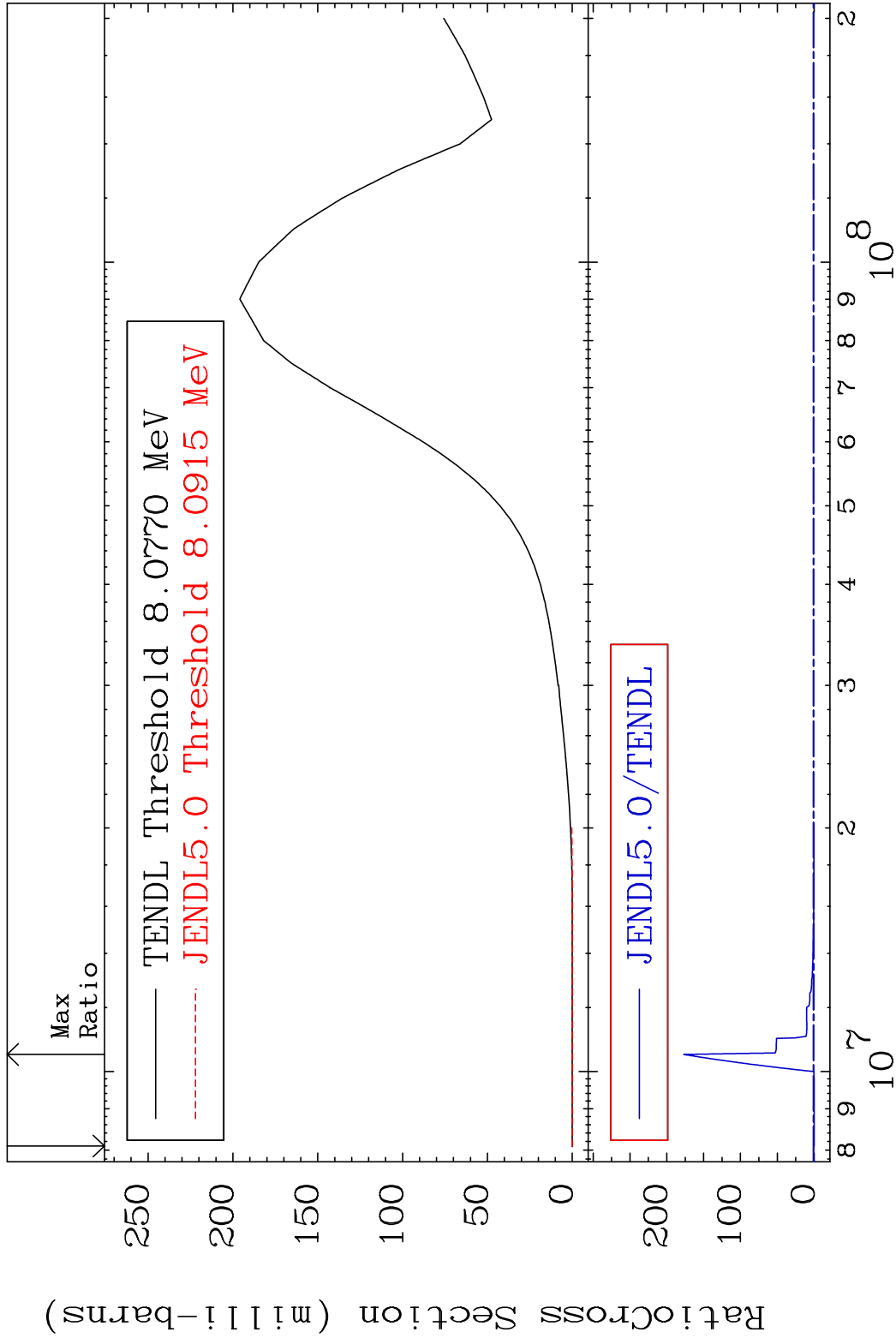




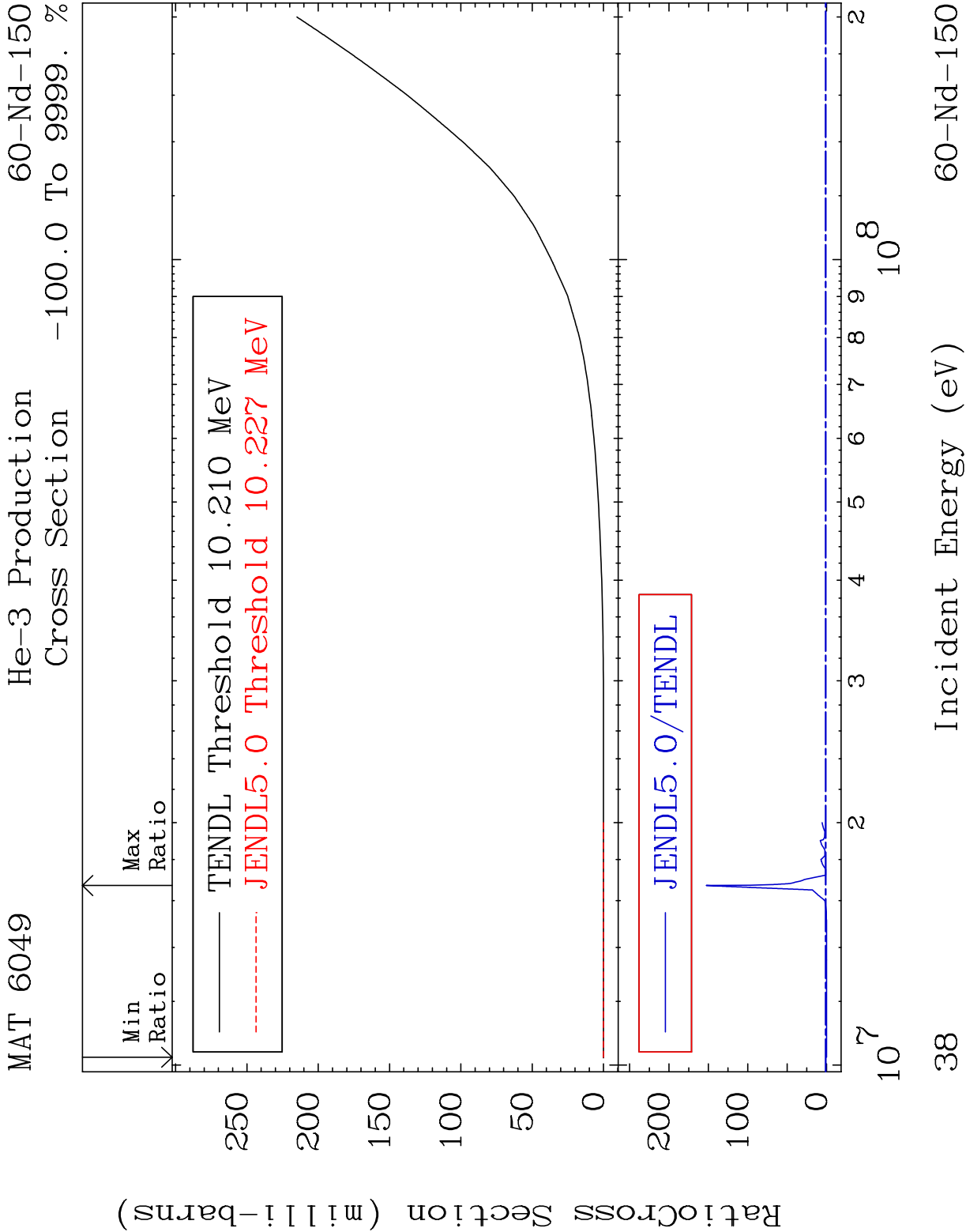




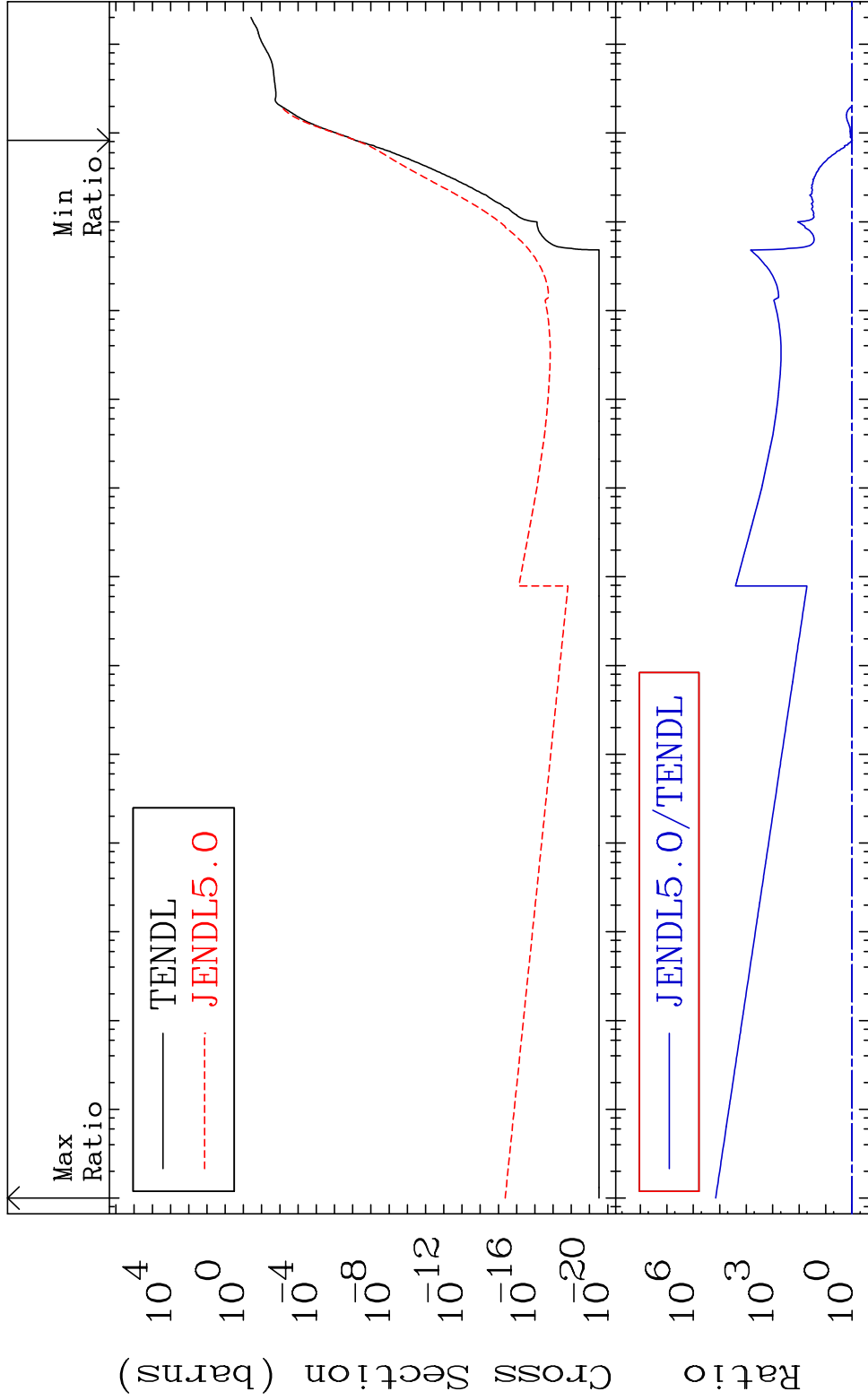
MAT 6049 Tritium Production 60-Nd-150
Cross Section -100.0 To 9999. %



37 Incident Energy (eV) 60-Nd-150



MAT 6049 He-4 Production 60-Nd-150
Cross Section -1.164 To 9999. %



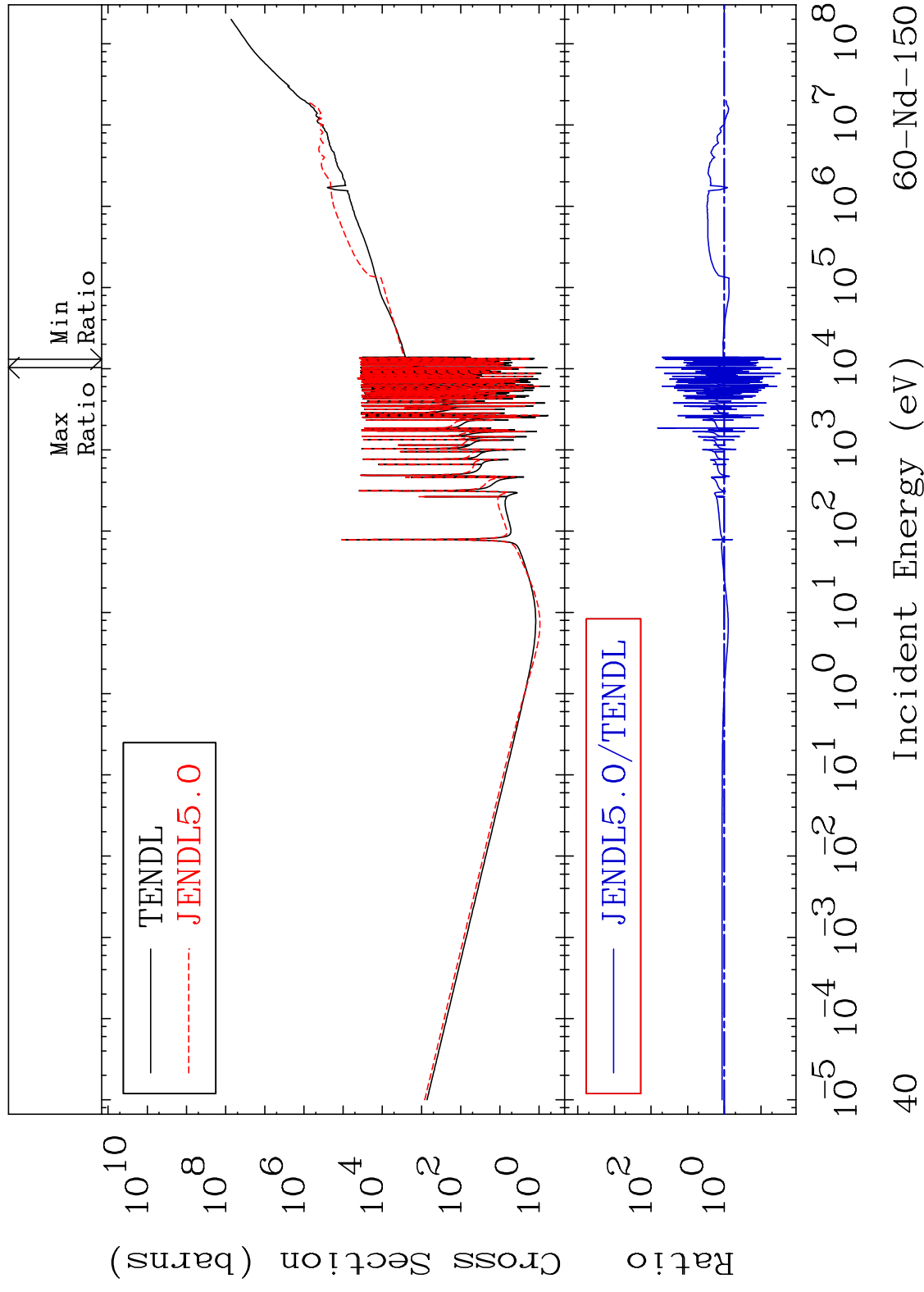
39 Incident Energy (eV) 60-Nd-150

MAT 6049

Kerma total (eV-barns)

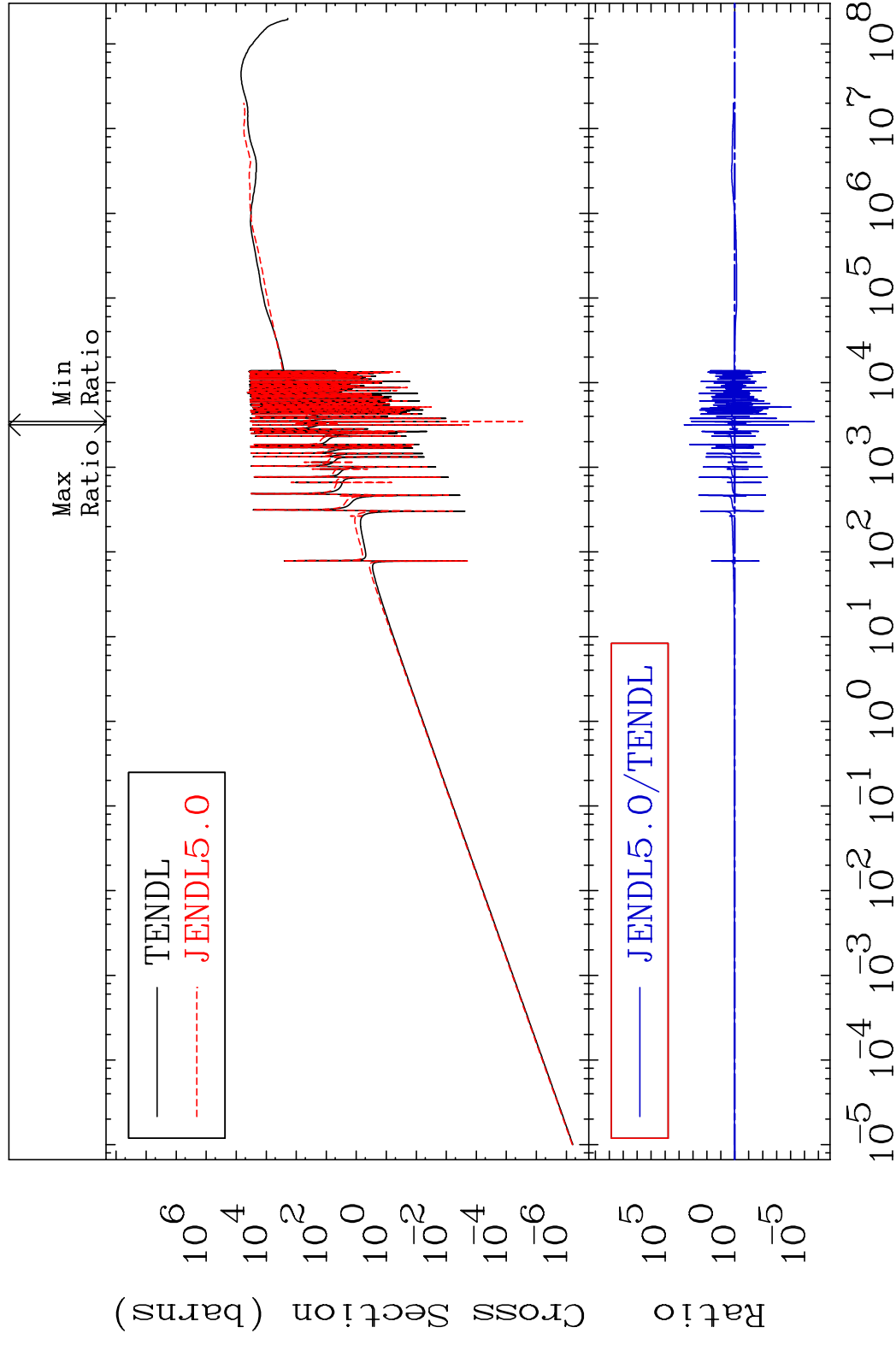
60-Nd-150

Cross Section -97.15 To 7237. %



MAT 6049

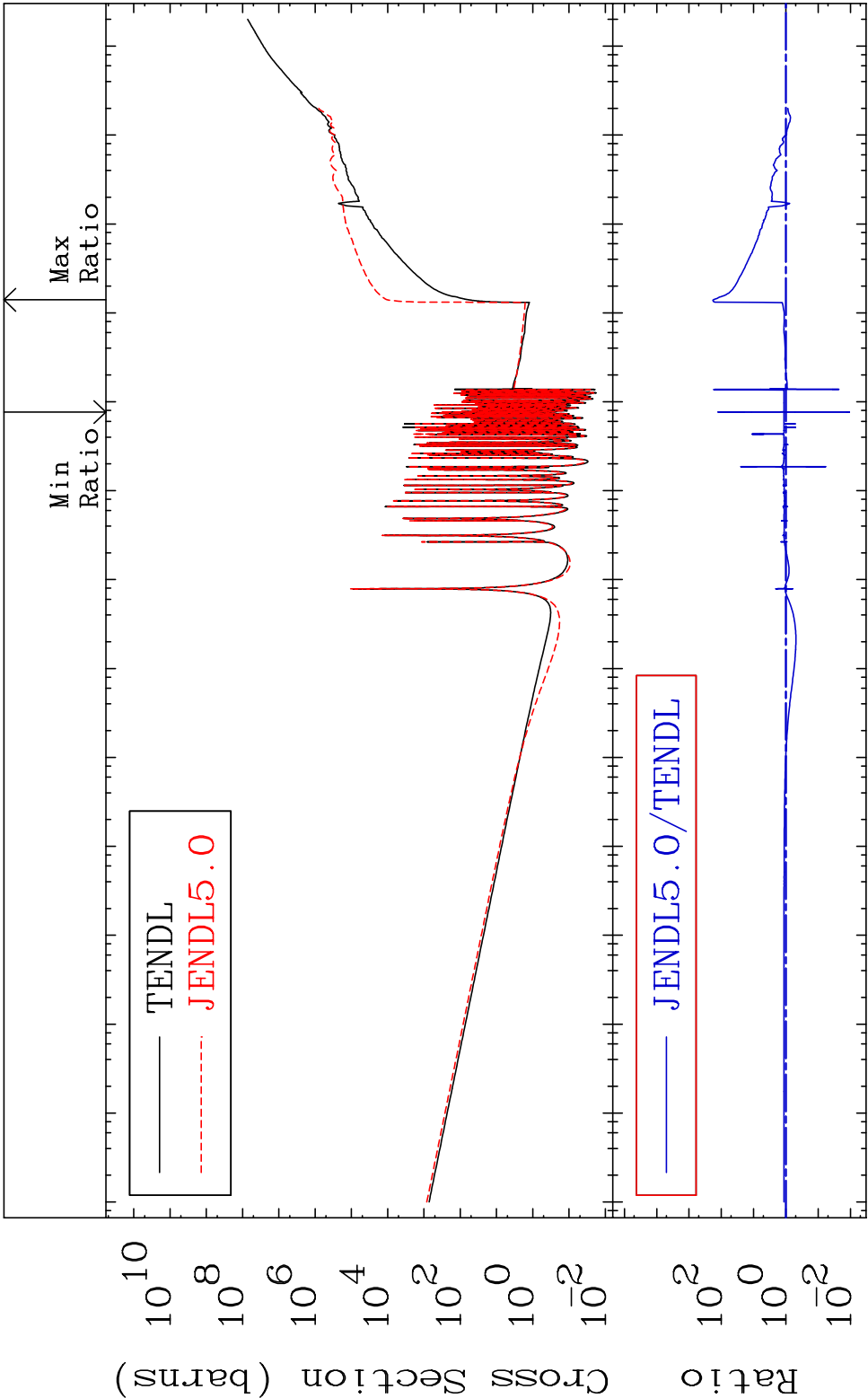
Kerma elastic	60-Nd-150
Cross Section	-100.0 To 9999. %



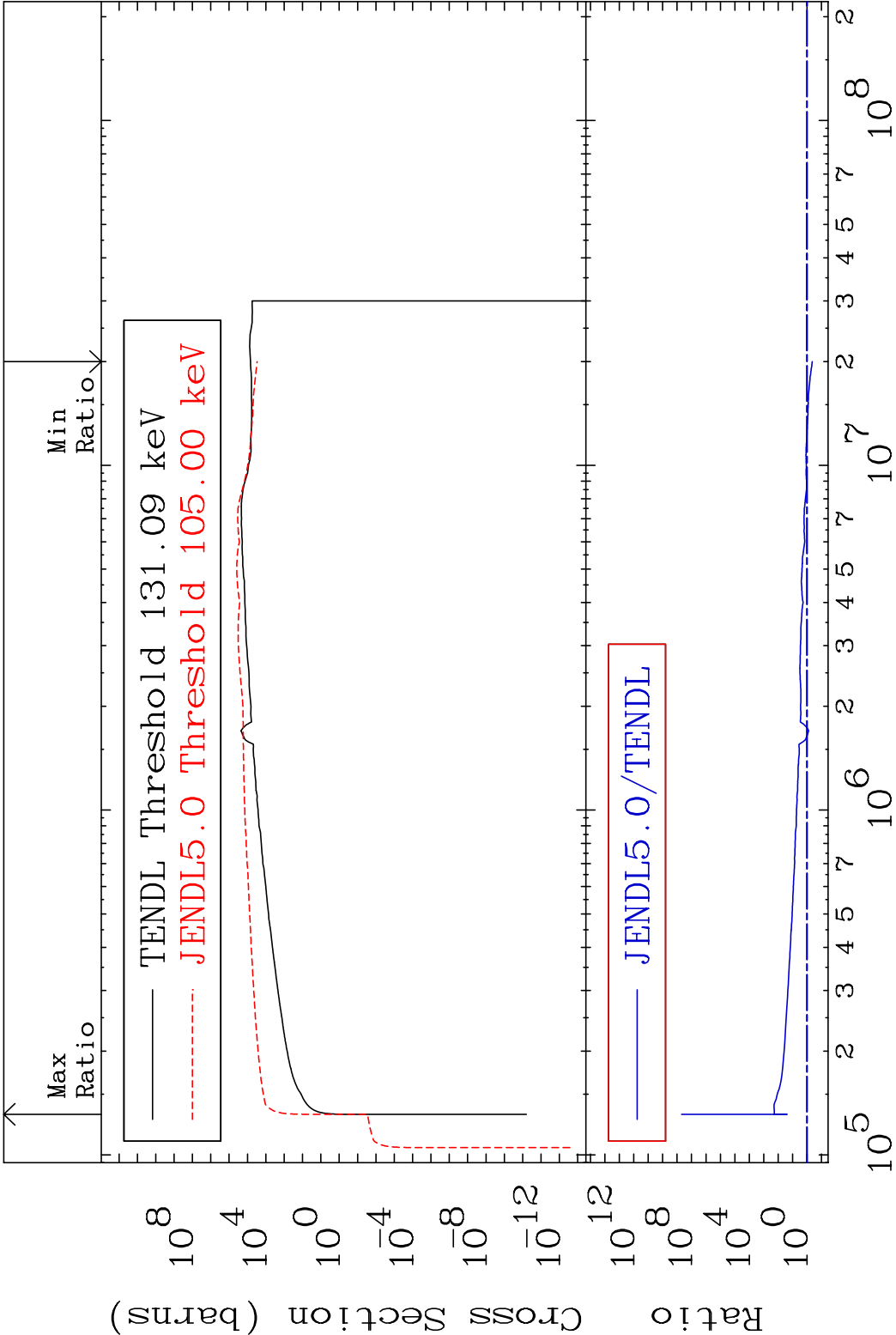
41

Incident Energy (eV)

60-Nd-150

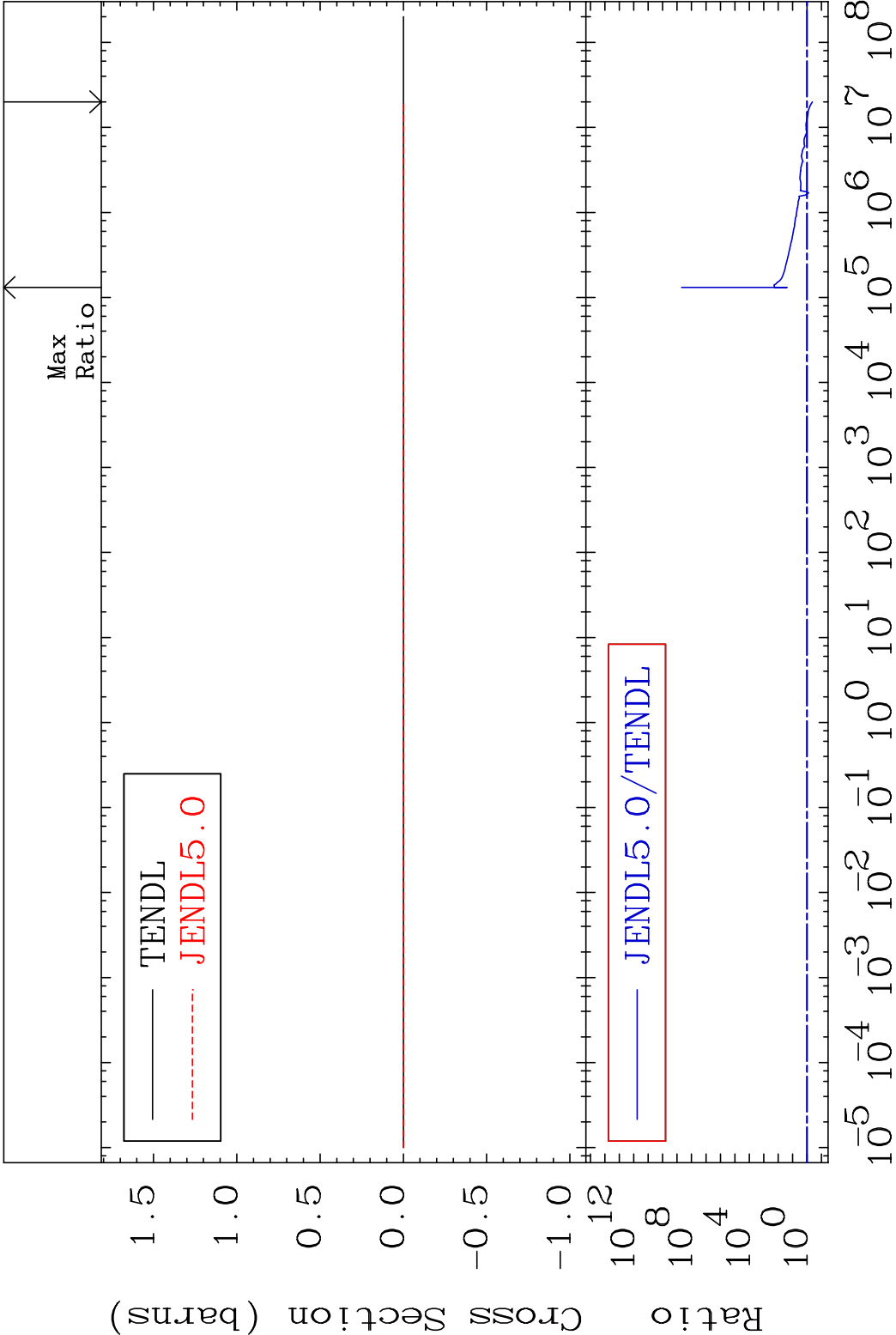


MAT 6049	Kerma inelastic (mt51-91)	60-Nd-150
	Cross Section	-56.92 To 9999. %

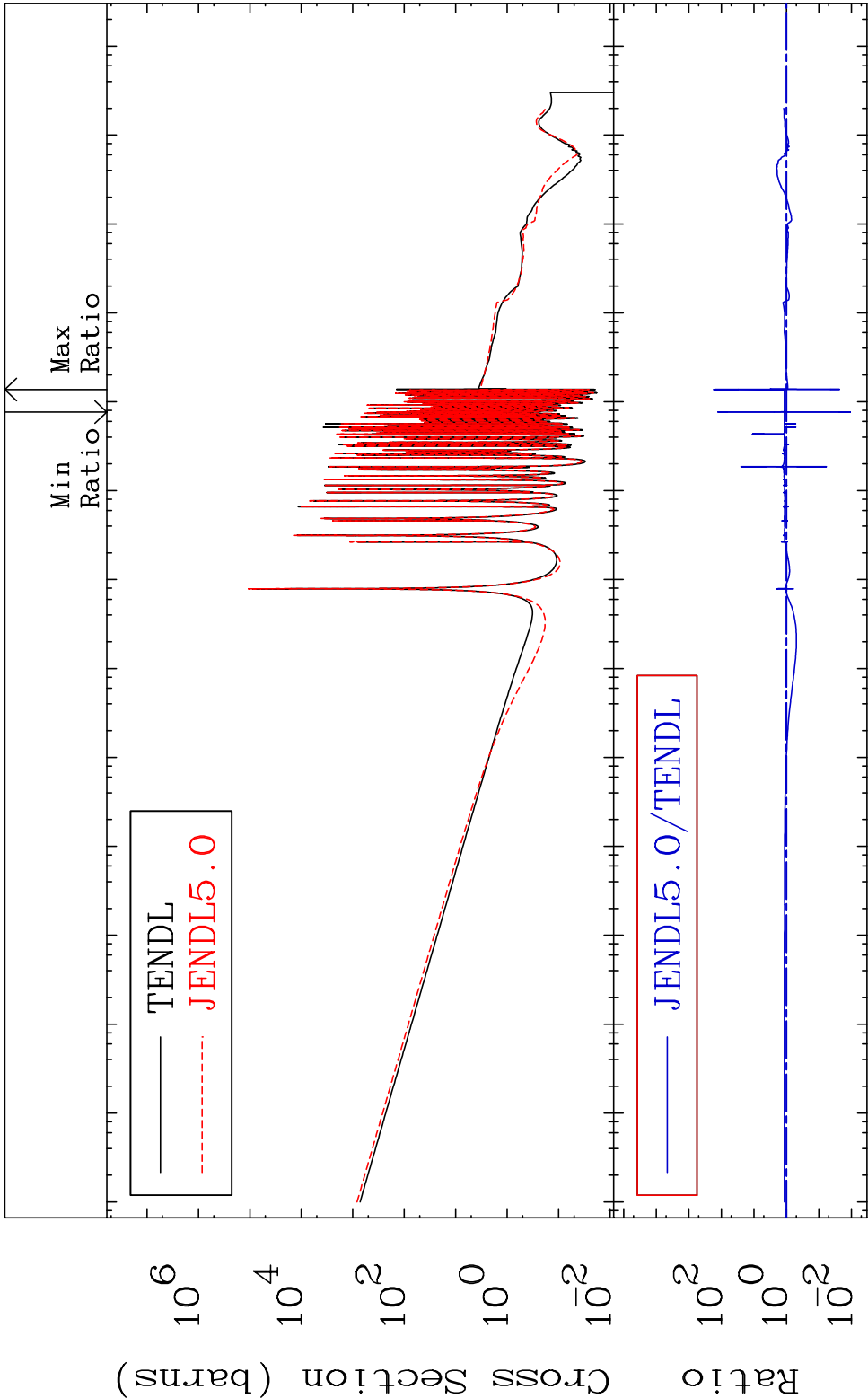


43	Incident Energy (eV)	60-Nd-150
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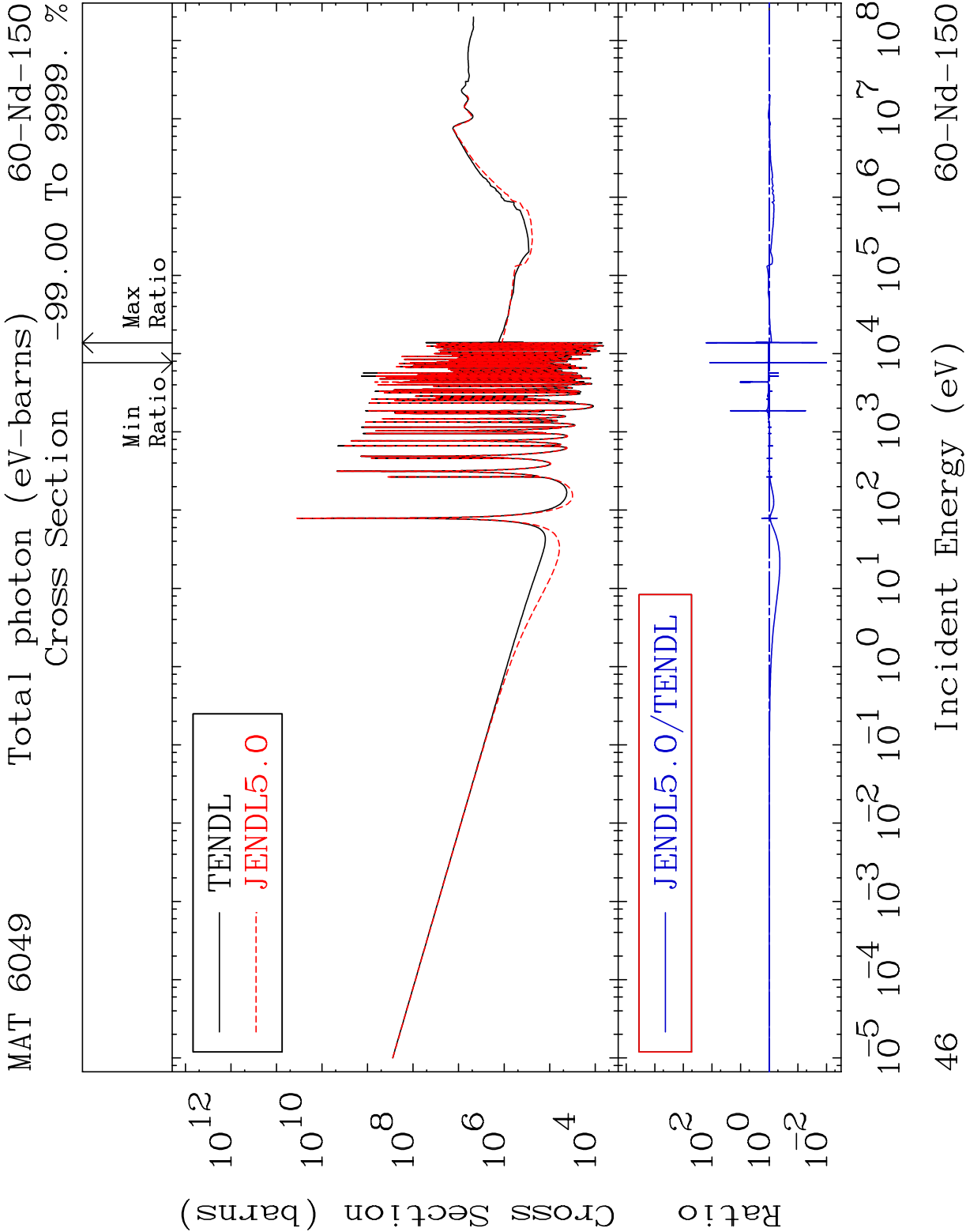
MAT 6049Kerma fission (mt18 or mt19-20-21-38)60-Nd-150
Cross Section -56.92 To 9999. %



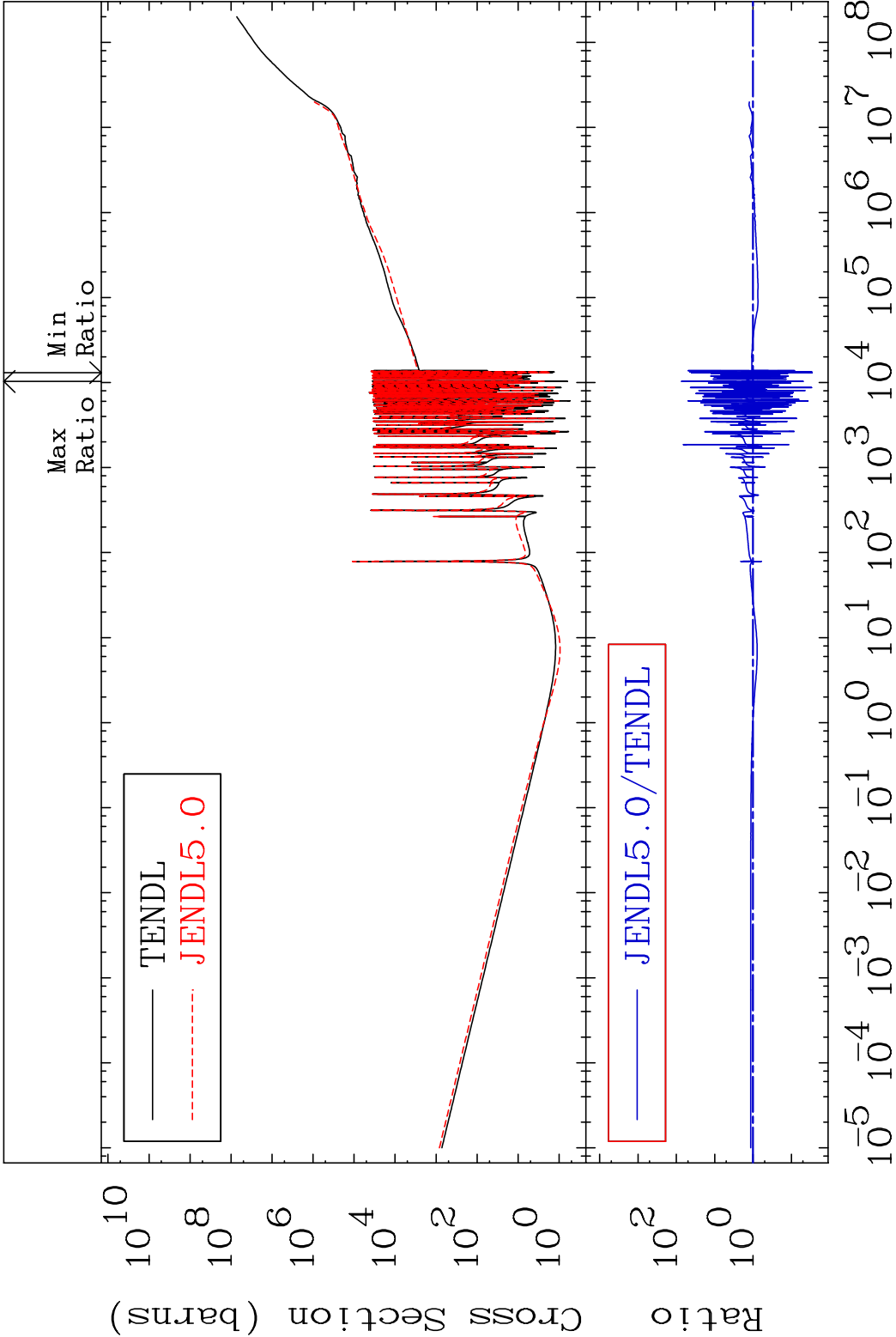
MAT 6049 Kerma capture (mt102) 60-Nd-150
Cross Section -98.92 To 9999. %



45 Incident Energy (eV) 60-Nd-150

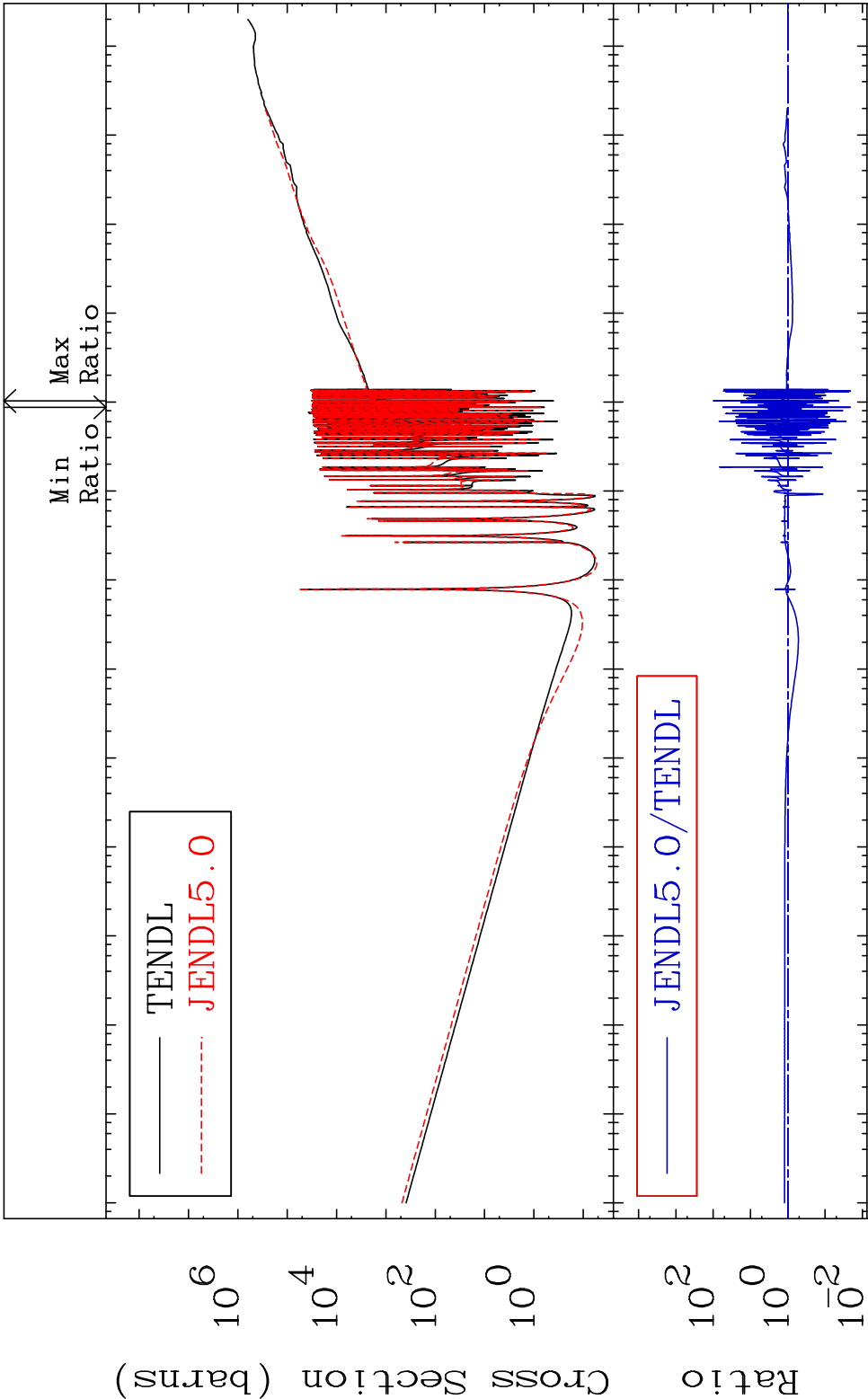


MAT 6049 Total kinematic kerma (high limit) 60-Nd-150
Cross Section -97.15 To 7237. %



47 Incident Energy (eV) 60-Nd-150

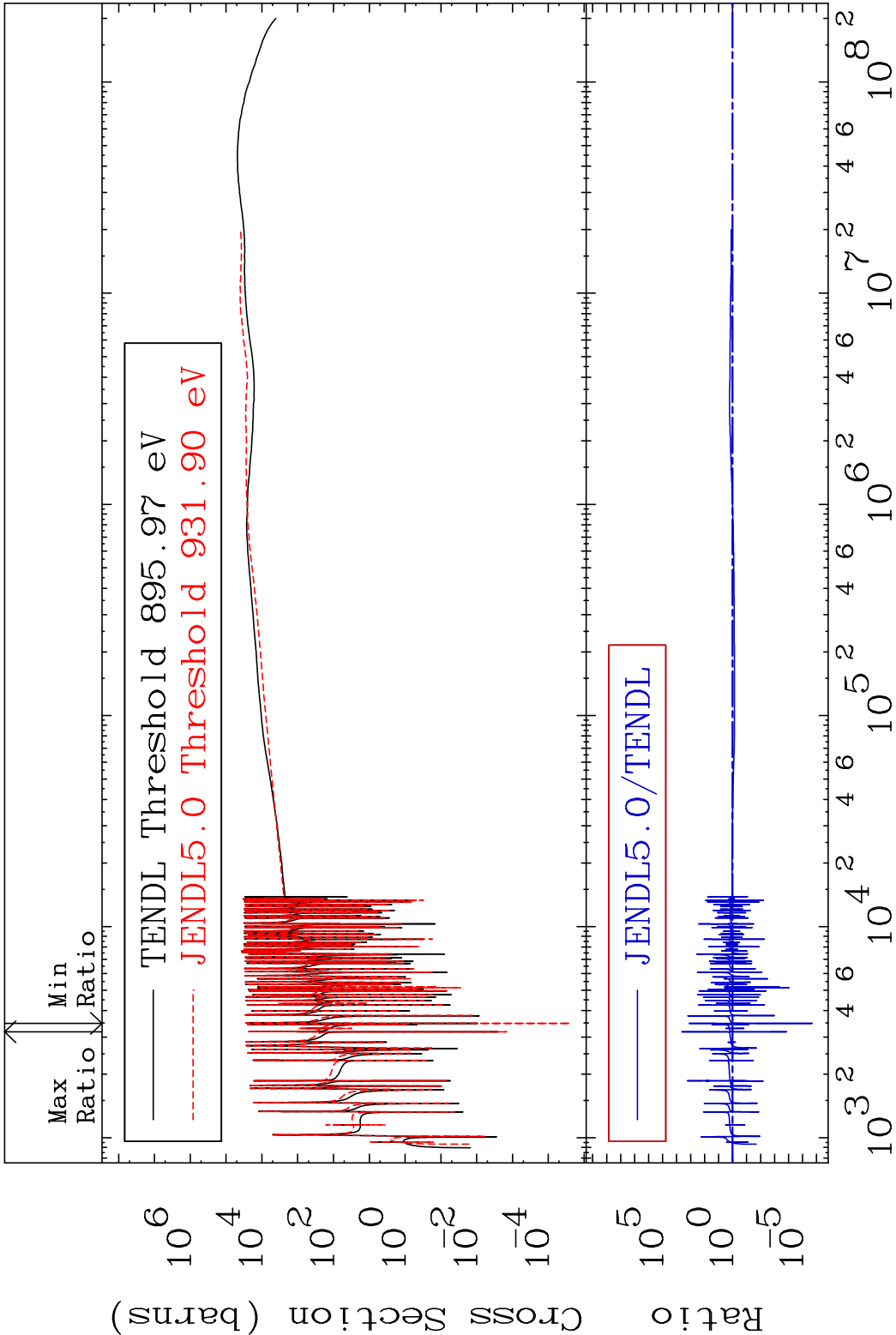
MAT 6049 Dpa total (eV-barns) 60-Nd-150
Cross Section -97.90 To 9689. %



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

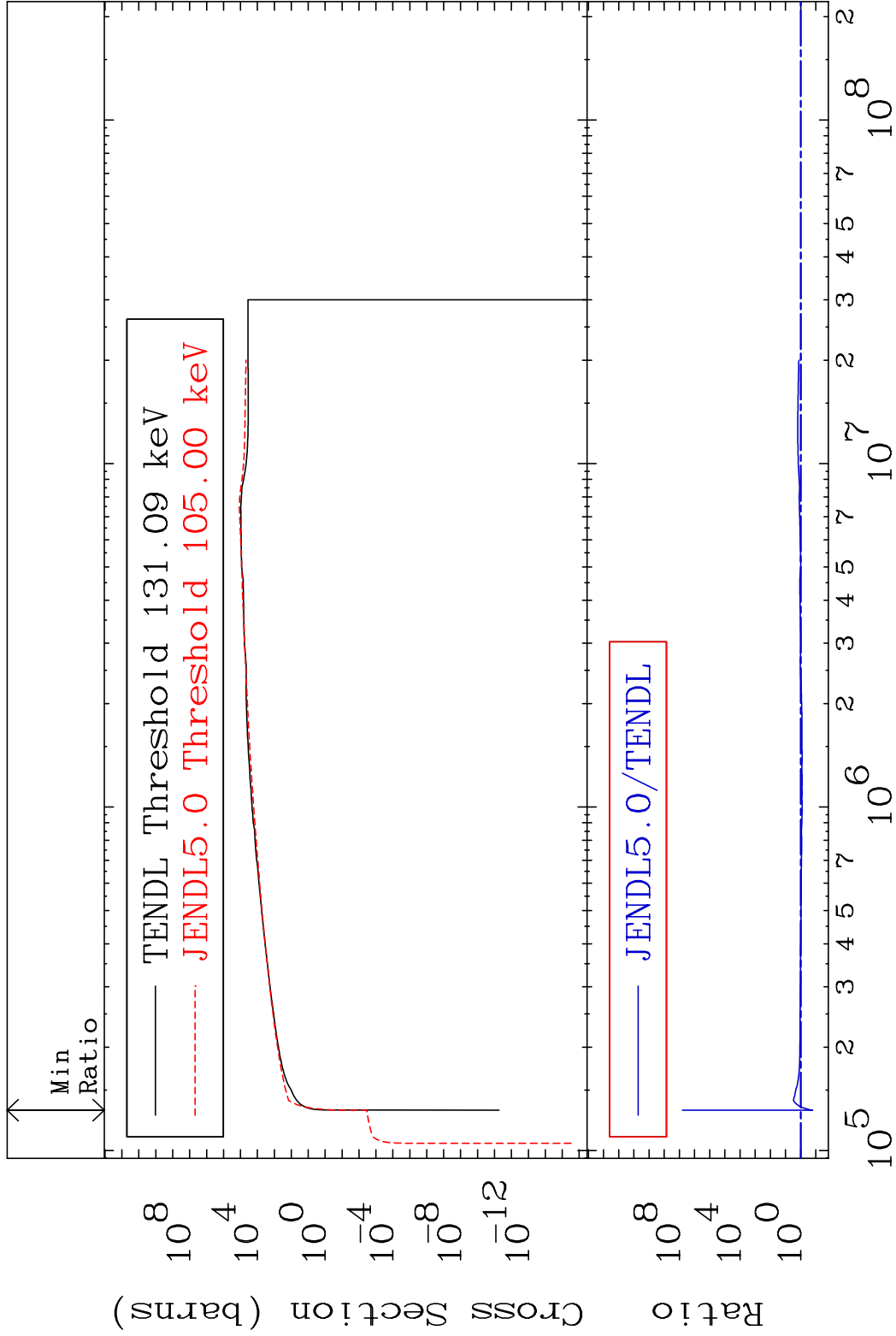
48 Incident Energy (eV) 60-Nd-150

MAT 6049 Dpa elastic (mt2) 60-Nd-150
Cross Section -100.0 To 9999. %



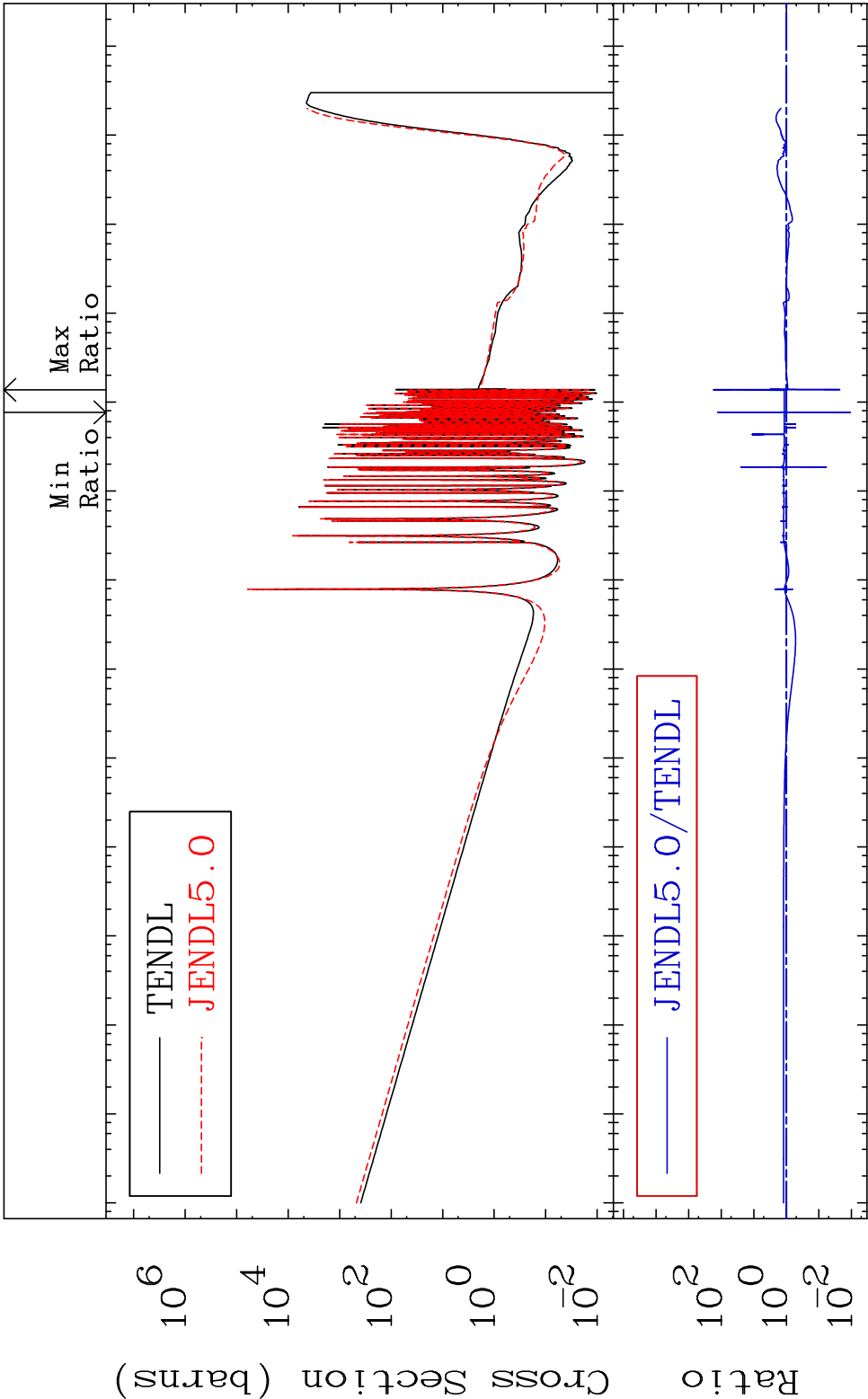
49 Incident Energy (eV) 60-Nd-150

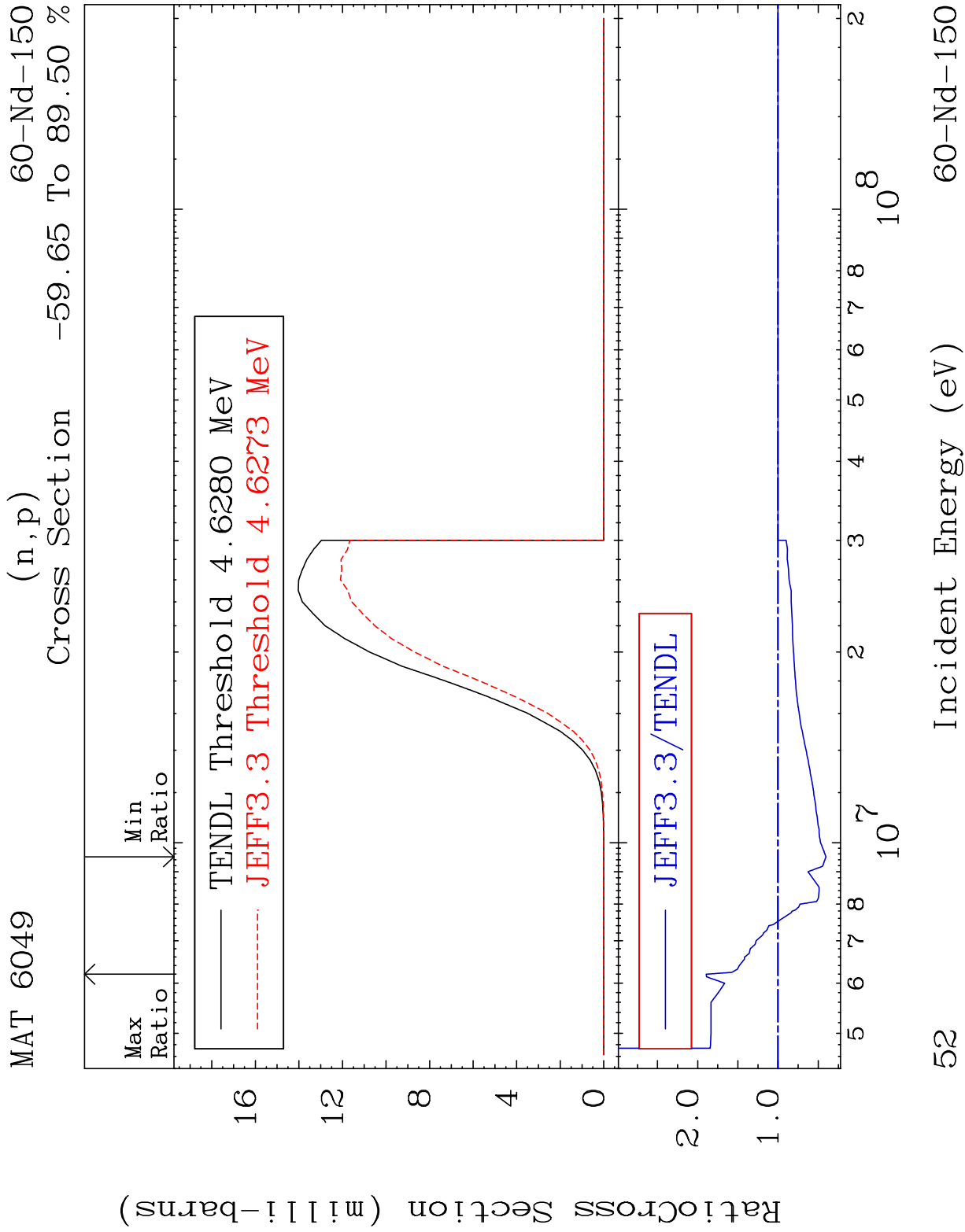
MAT 6049 Dpa inelastic (mt51-91) 60-Nd-150
Cross Section -83.59 To 9999. %

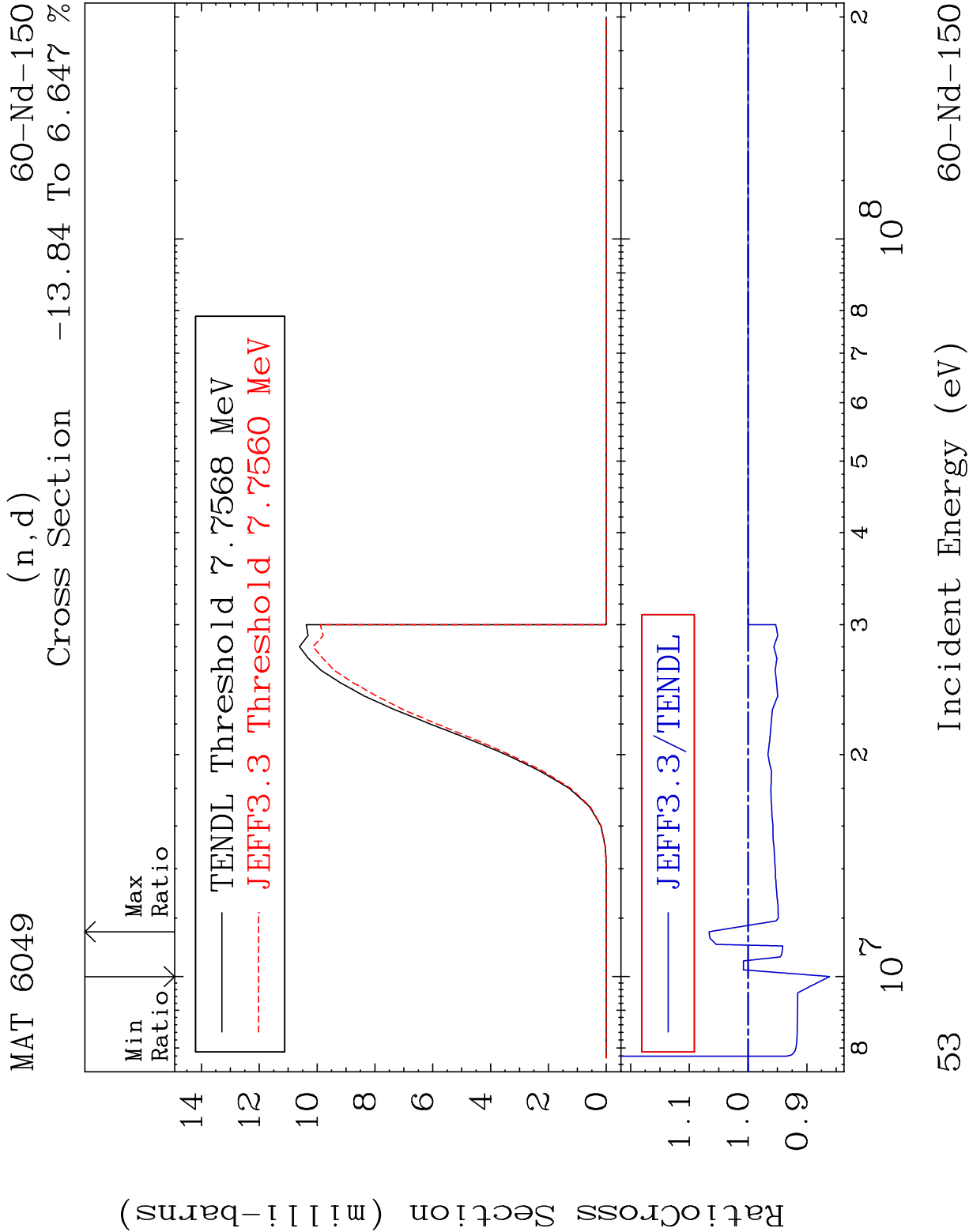


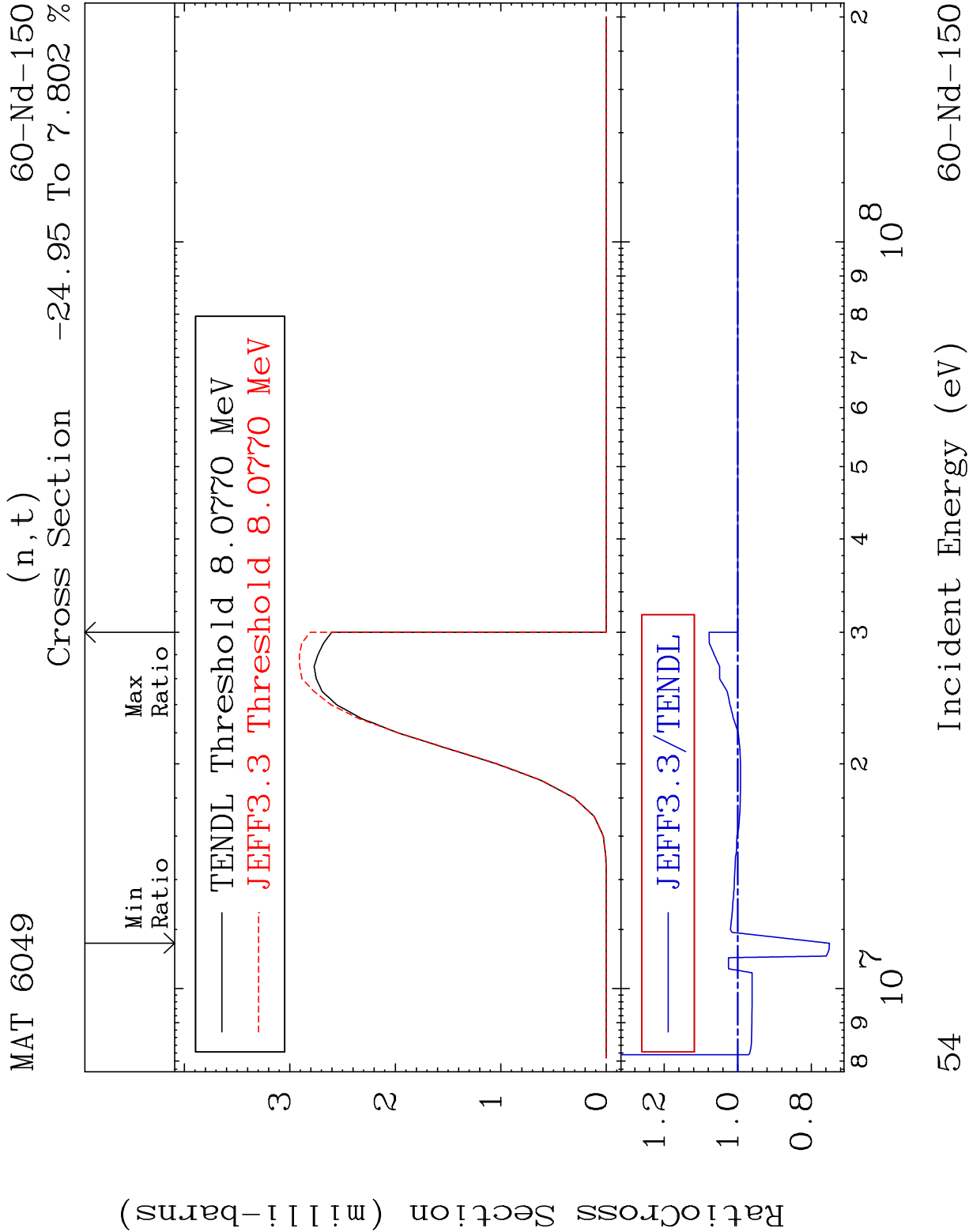
50 Incident Energy (eV) 60-Nd-150

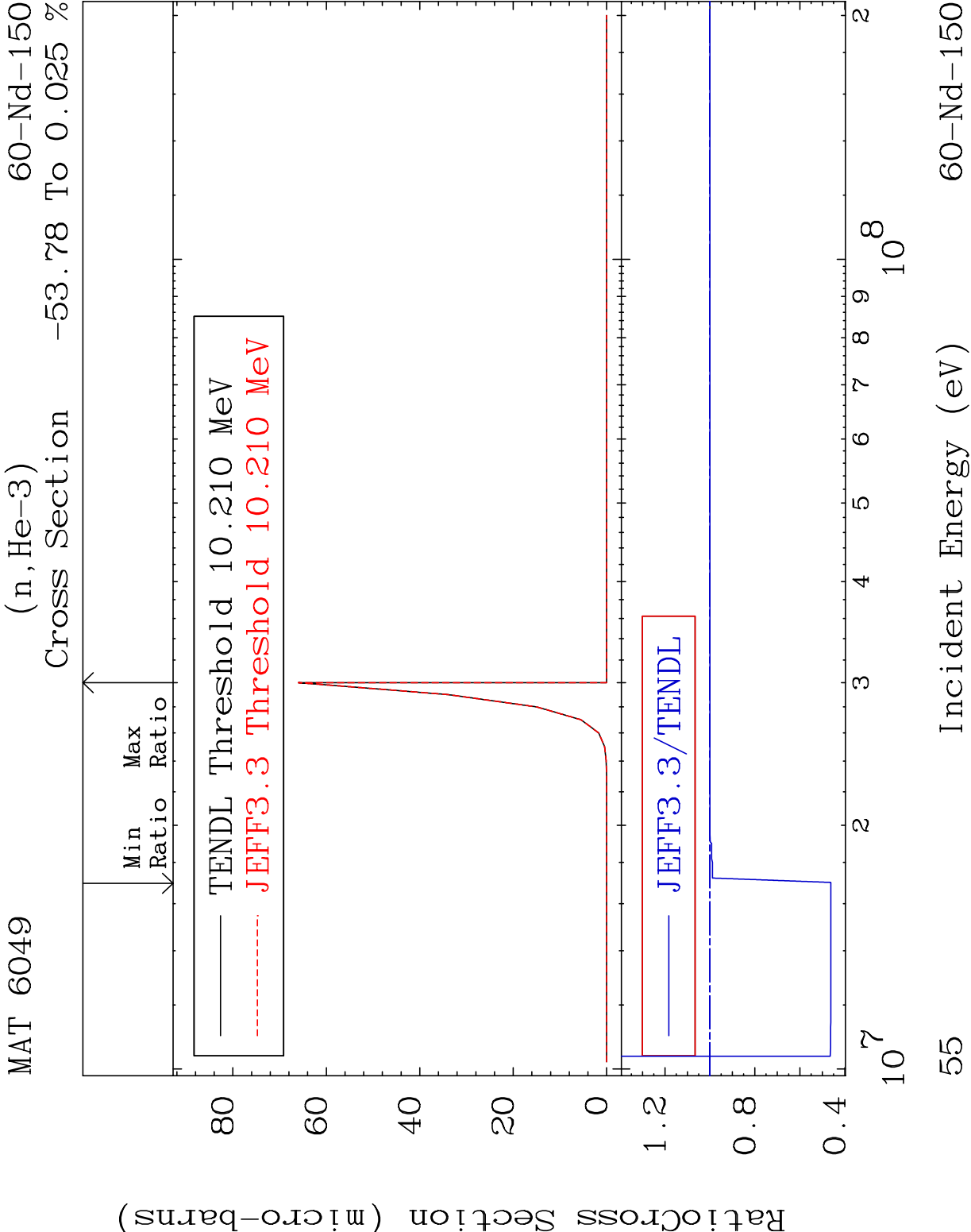
MAT 6049 Dpa disappearance (mt102 -120) 60-Nd-150
Cross Section -98.92 To 9999. %

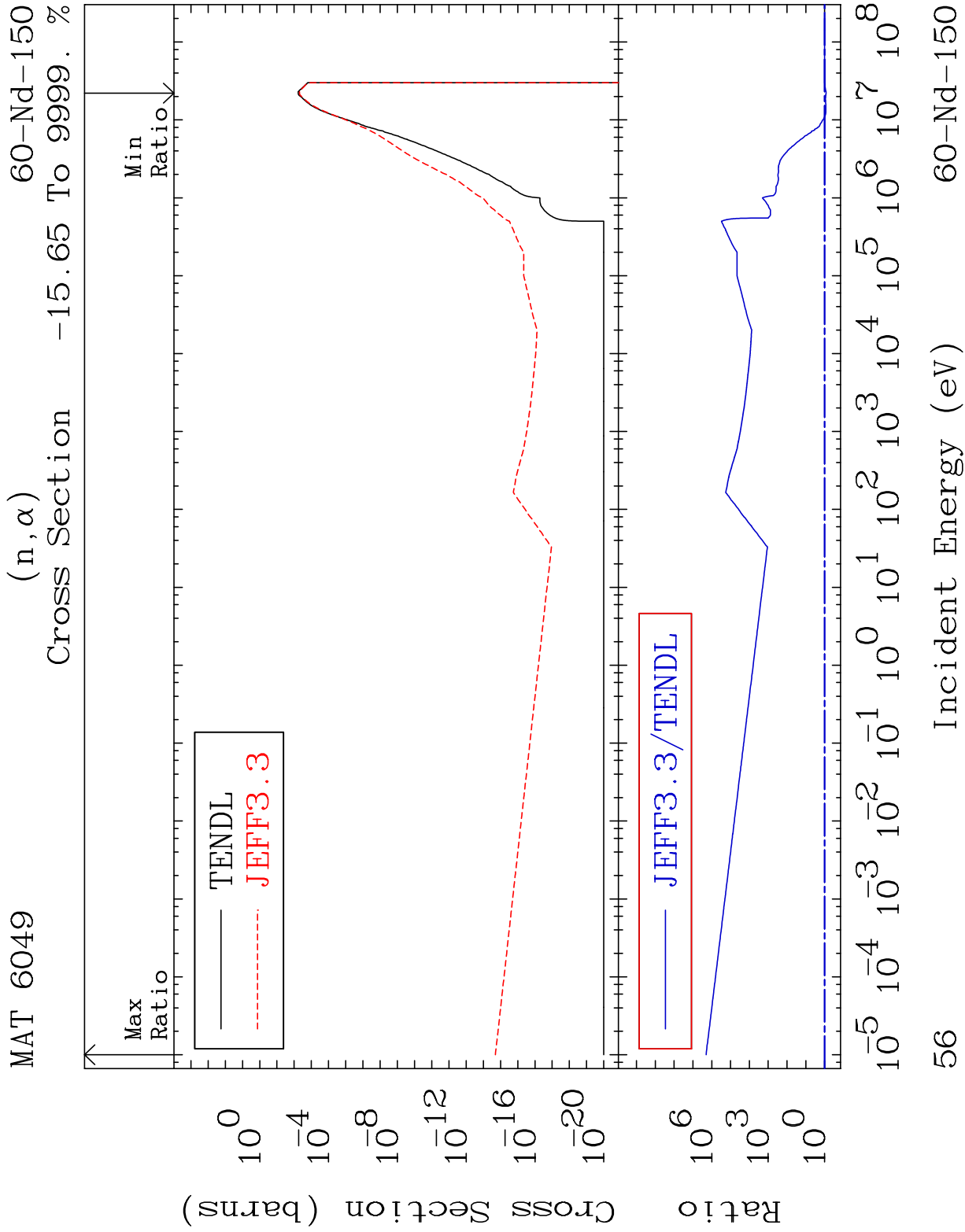


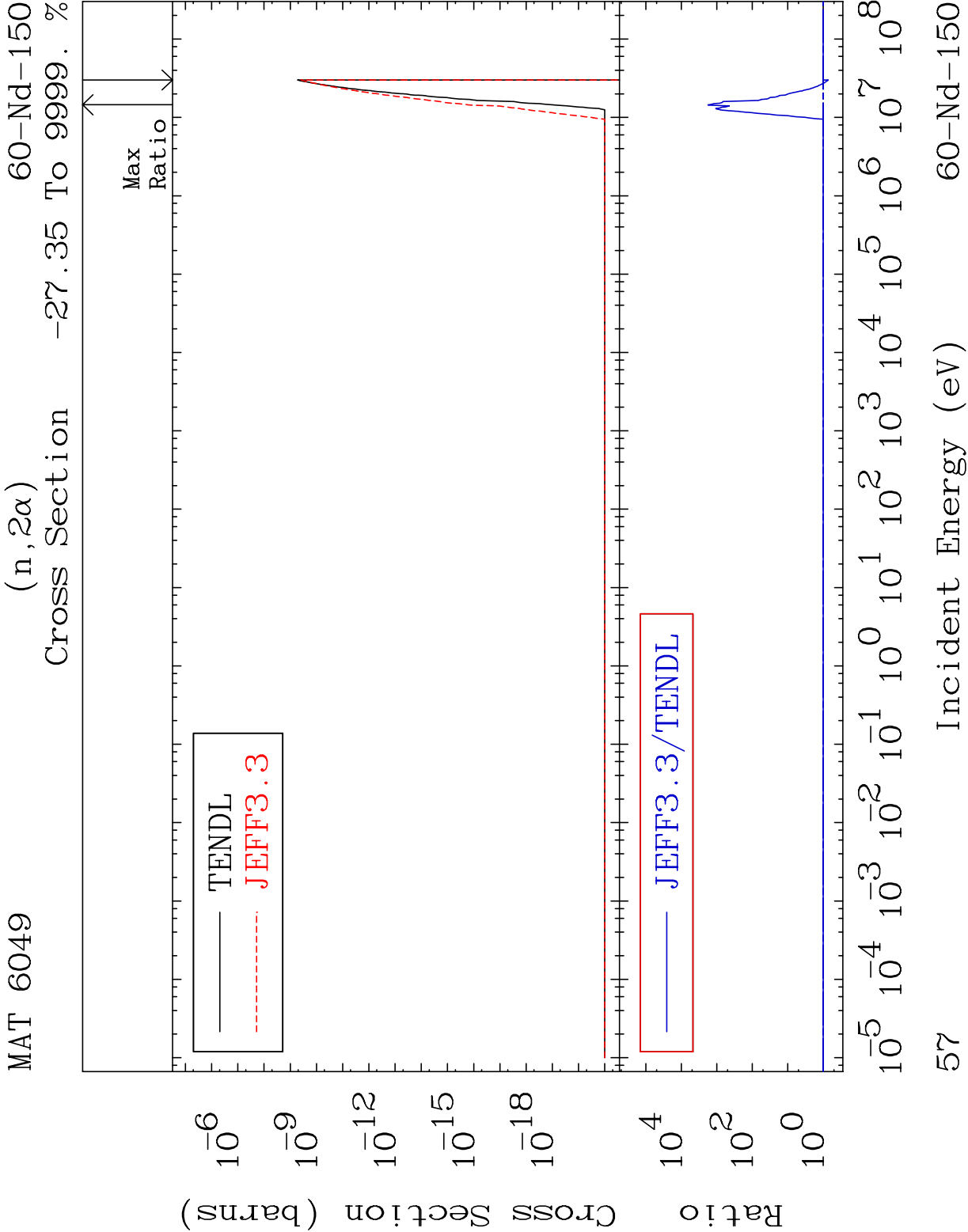


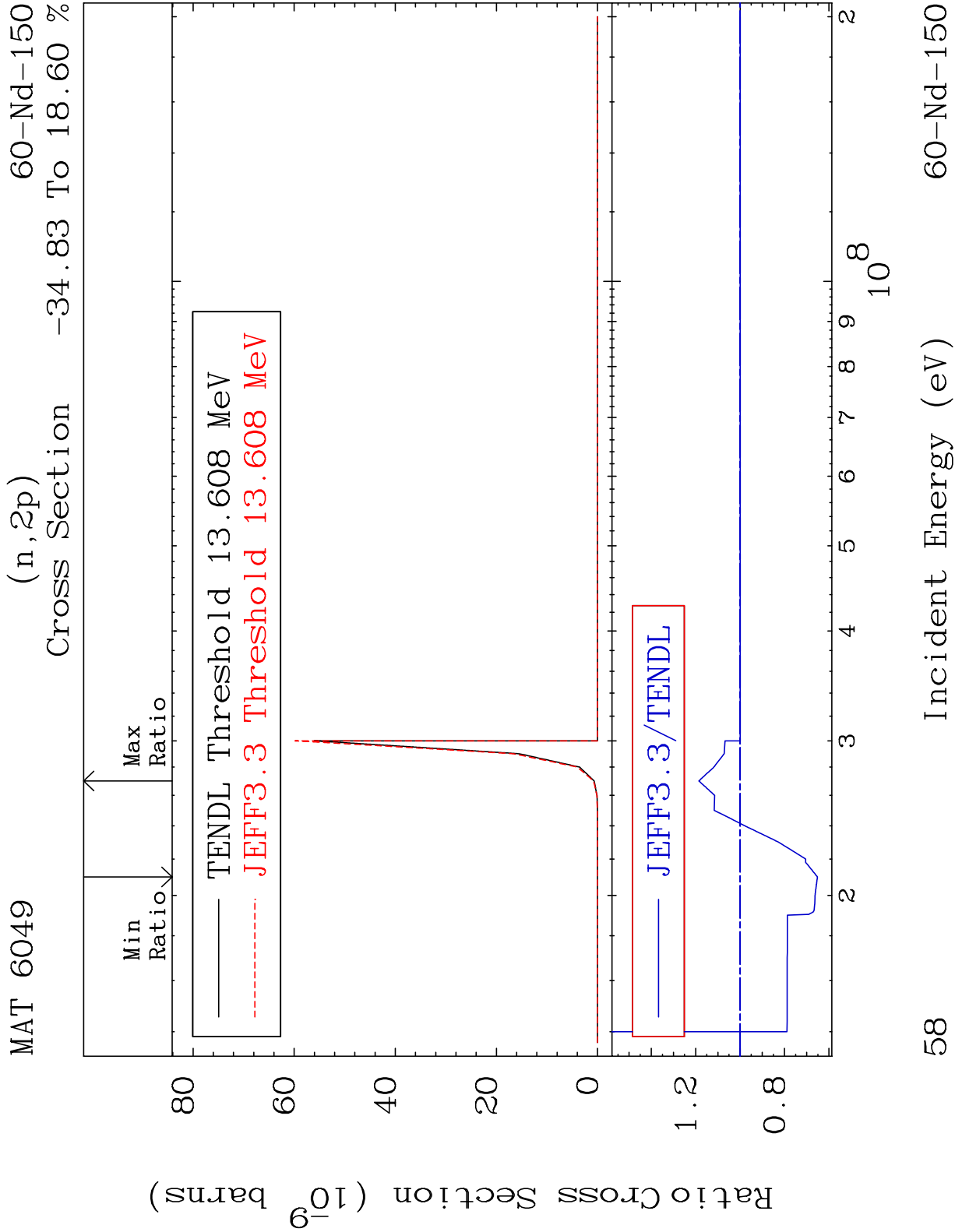


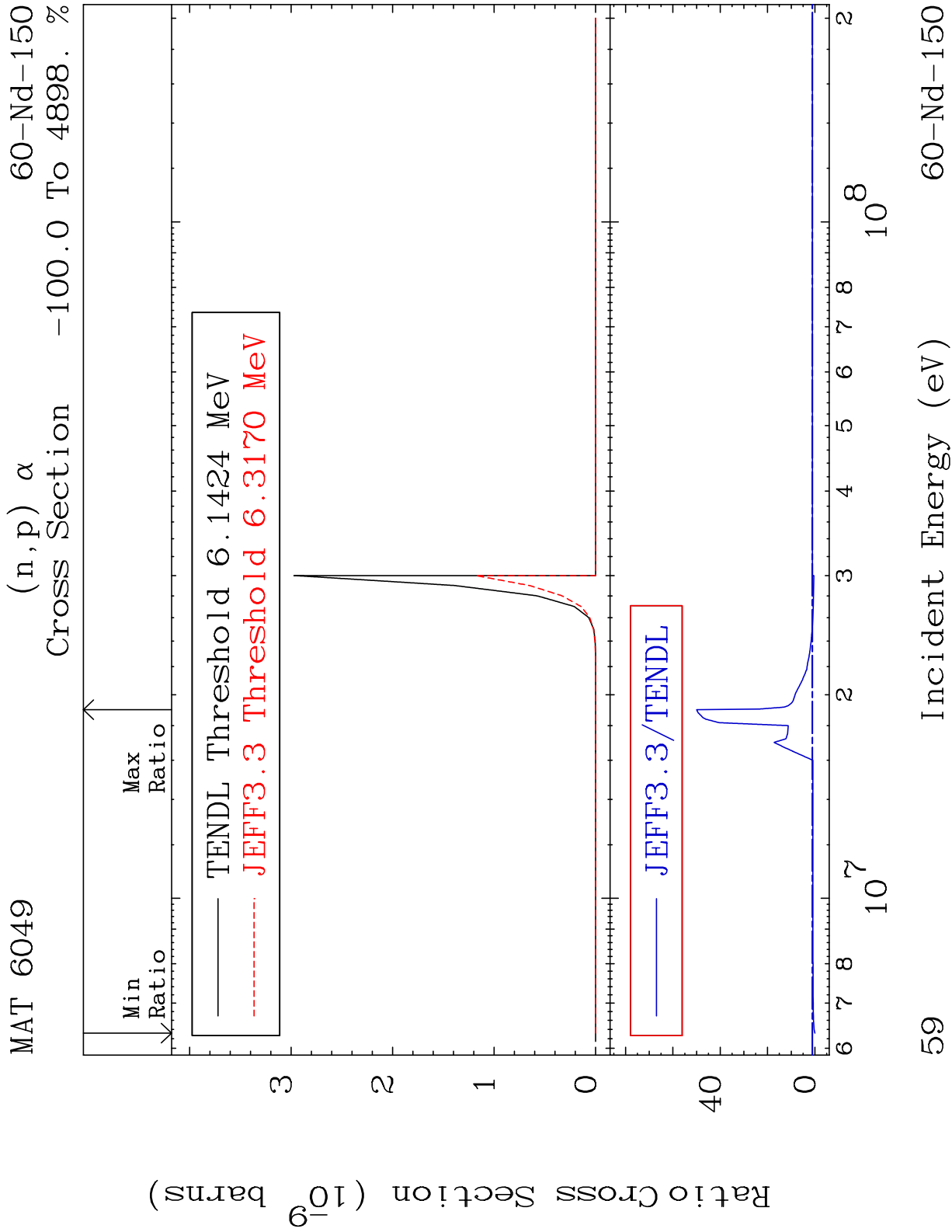




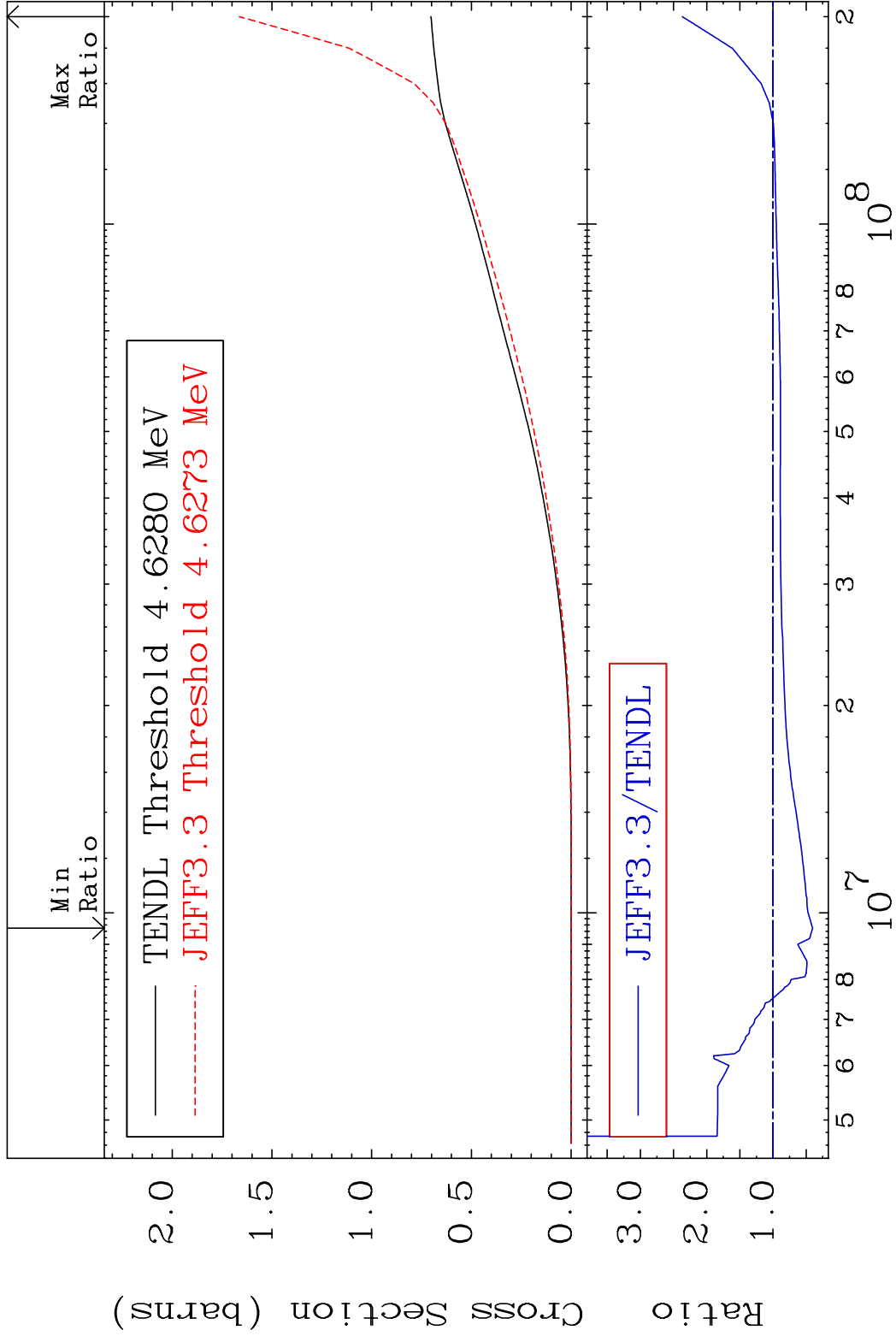








MAT 6049 Hydrogen Production 60-Nd-150
Cross Section -59.65 To 136.7 %



60 Incident Energy (eV) 60-Nd-150

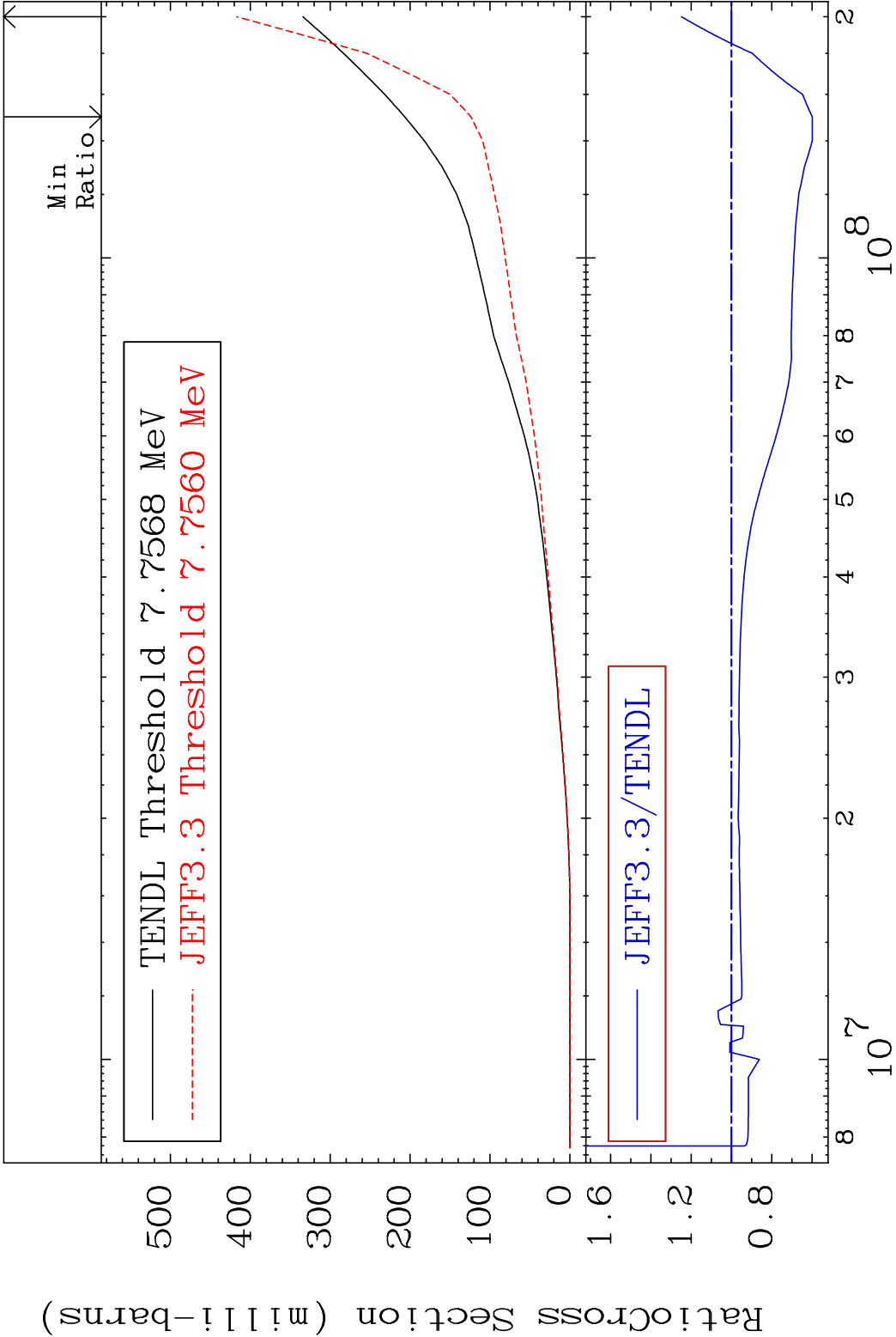
MAT 6049

Deuterium Production

60-Nd-150

Cross Section

-40.09 To 24.76 %



61

Incident Energy (eV)

60-Nd-150

MAT 6049

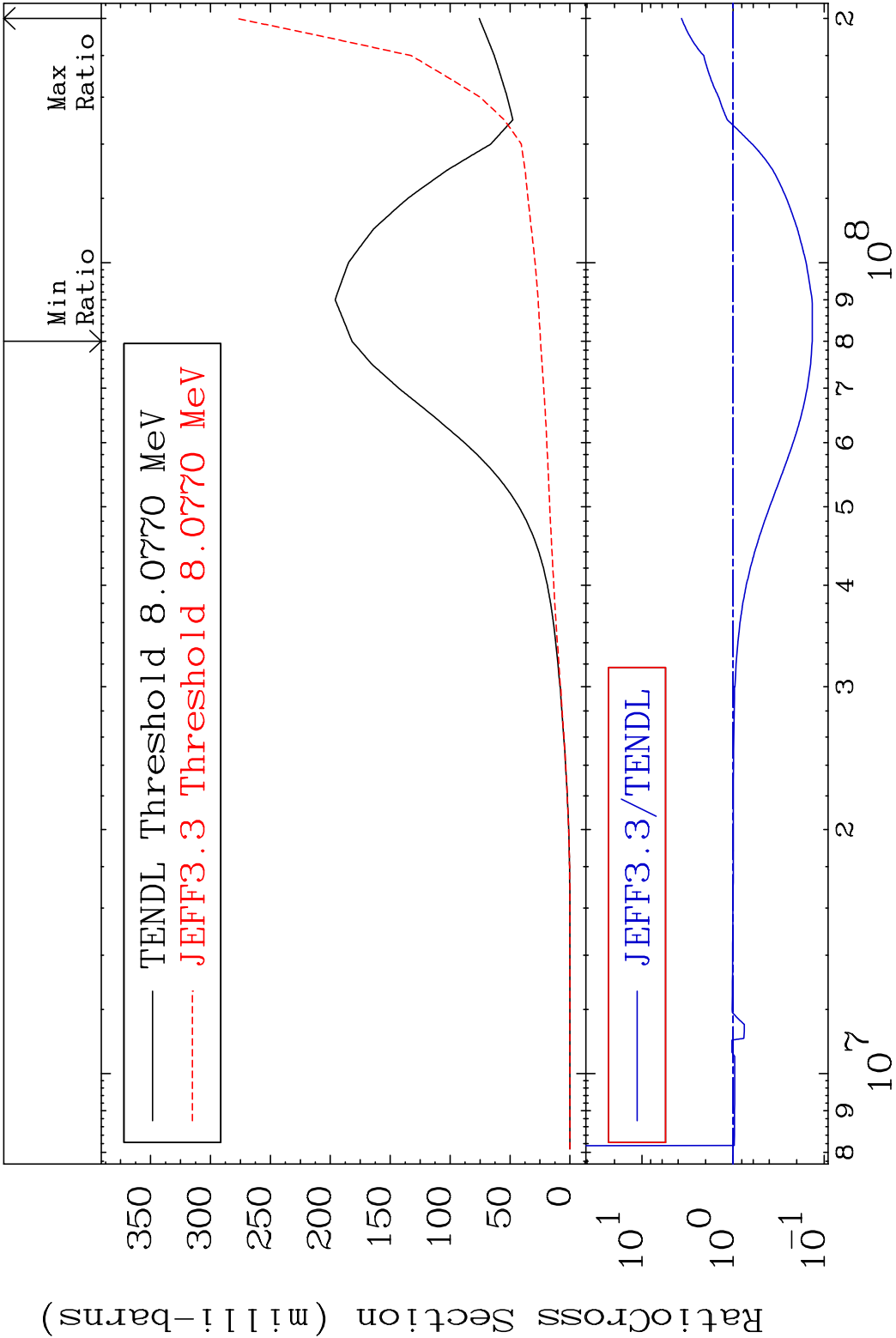
Tritium Production

Cross Section

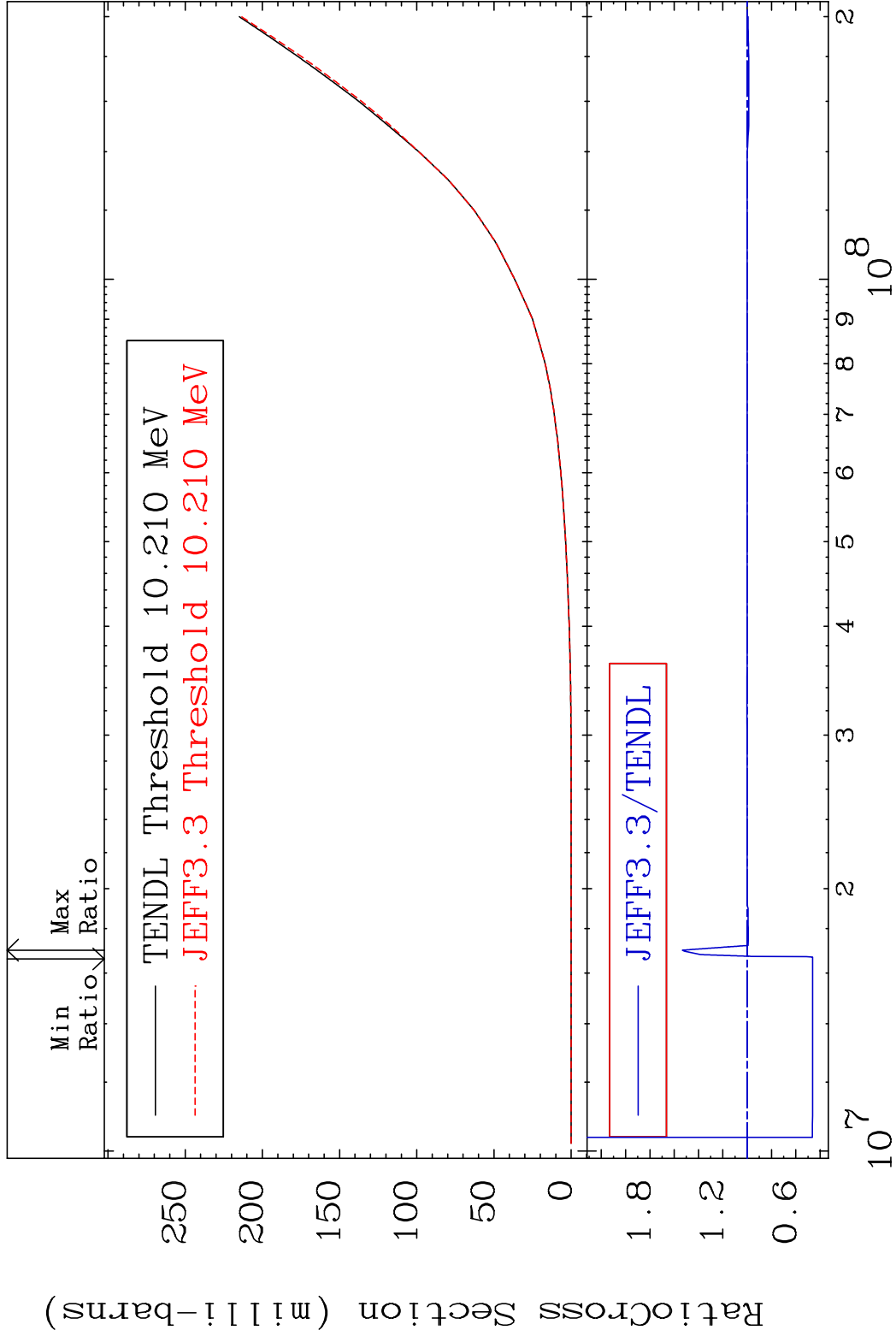
60-Nd-150

-86.49

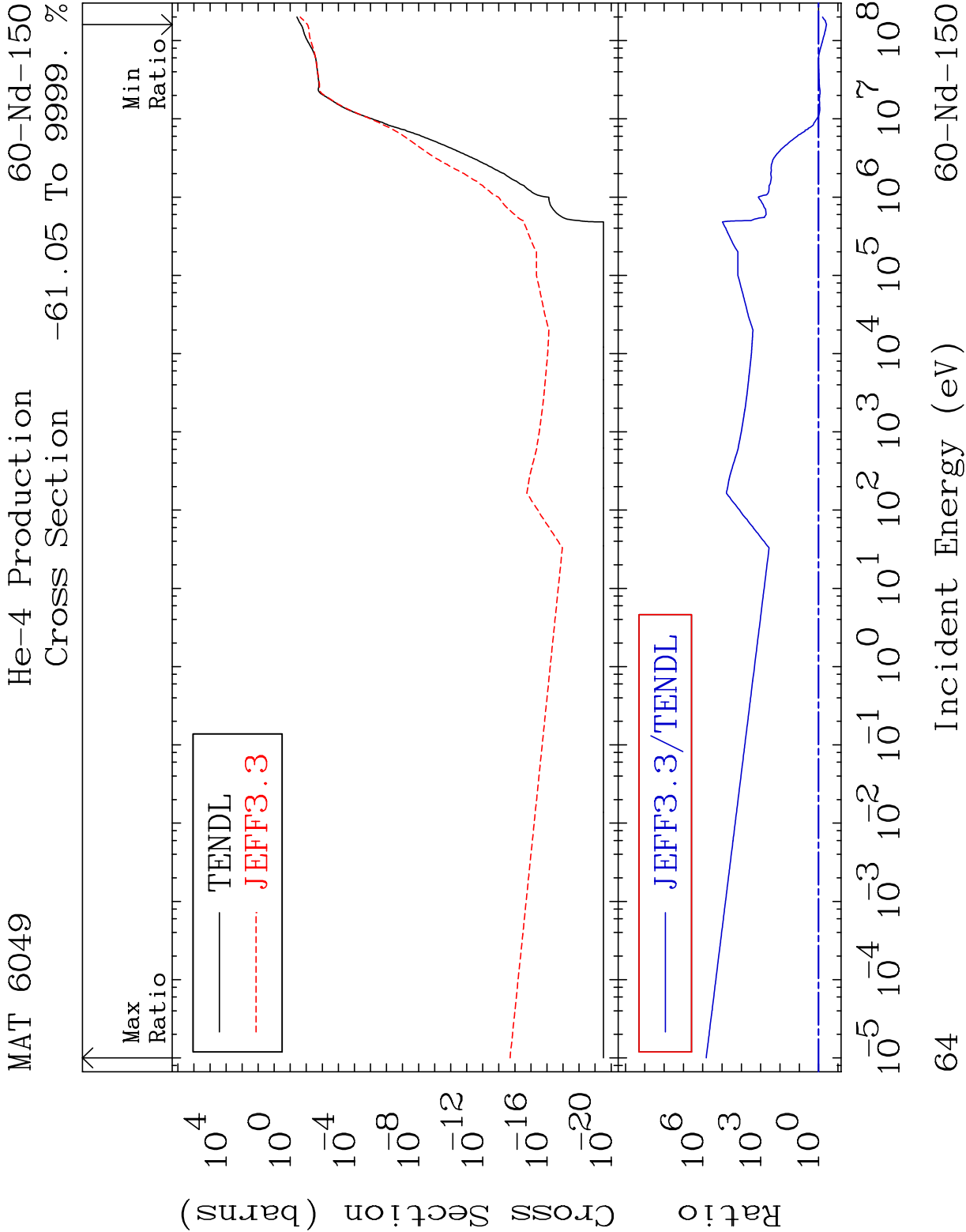
To 267.1 %



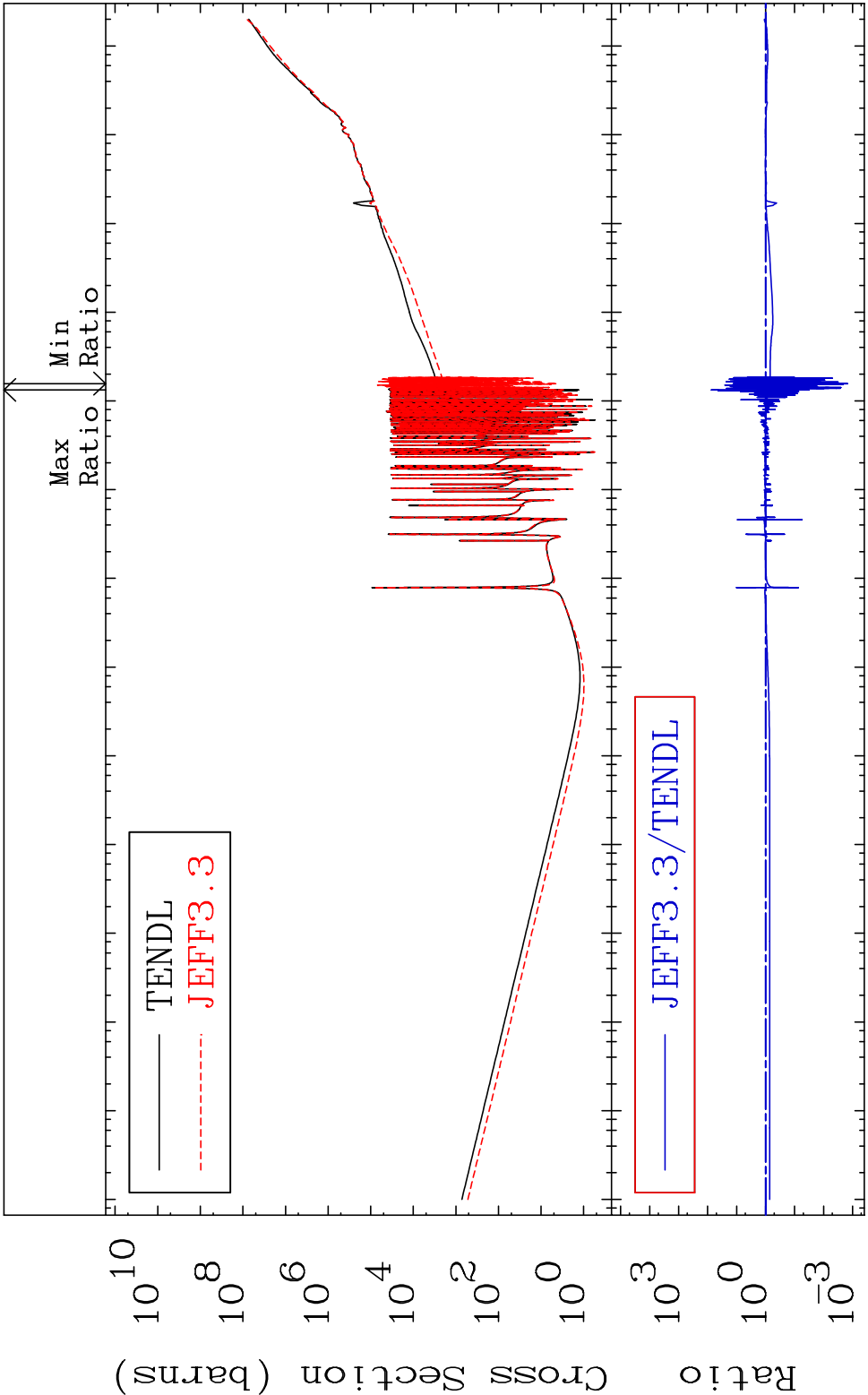
MAT 6049 He-3 Production 60-Nd-150
Cross Section -53.78 To 53.31 %



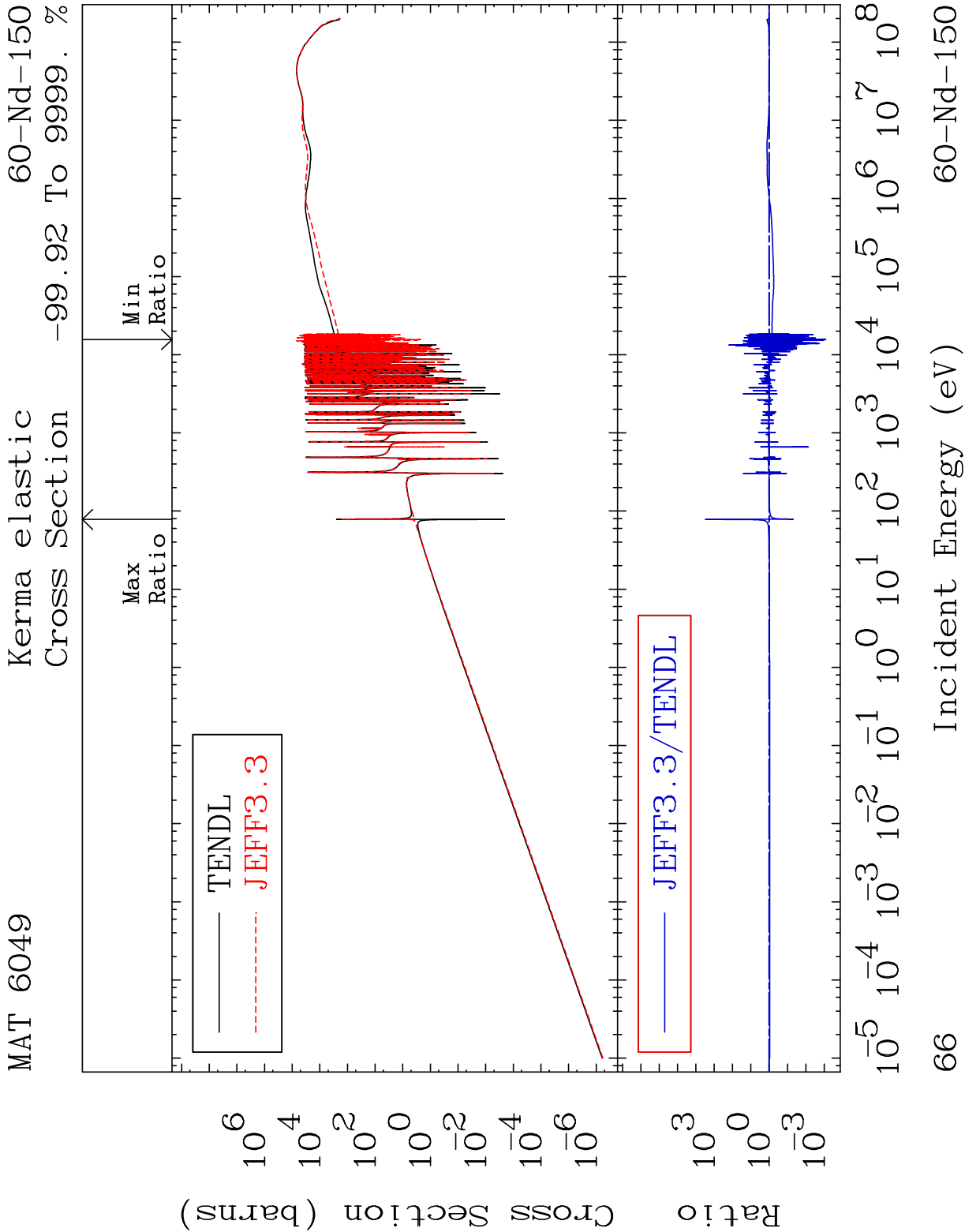
63 Incident Energy (eV) 60-Nd-150



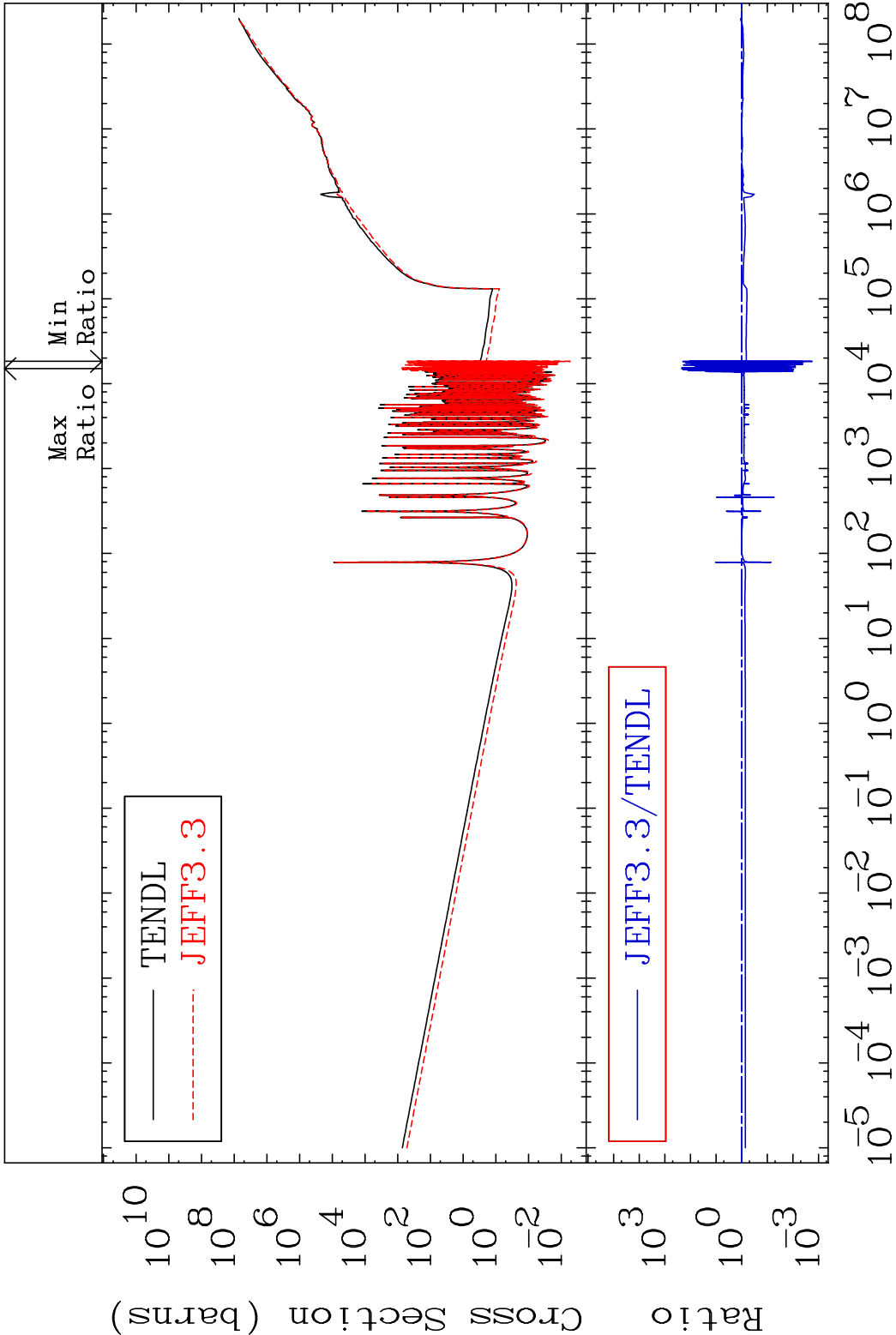
MAT 6049 Kerma total (eV-barns) 60-Nd-150
Cross Section -99.85 To 7334. %



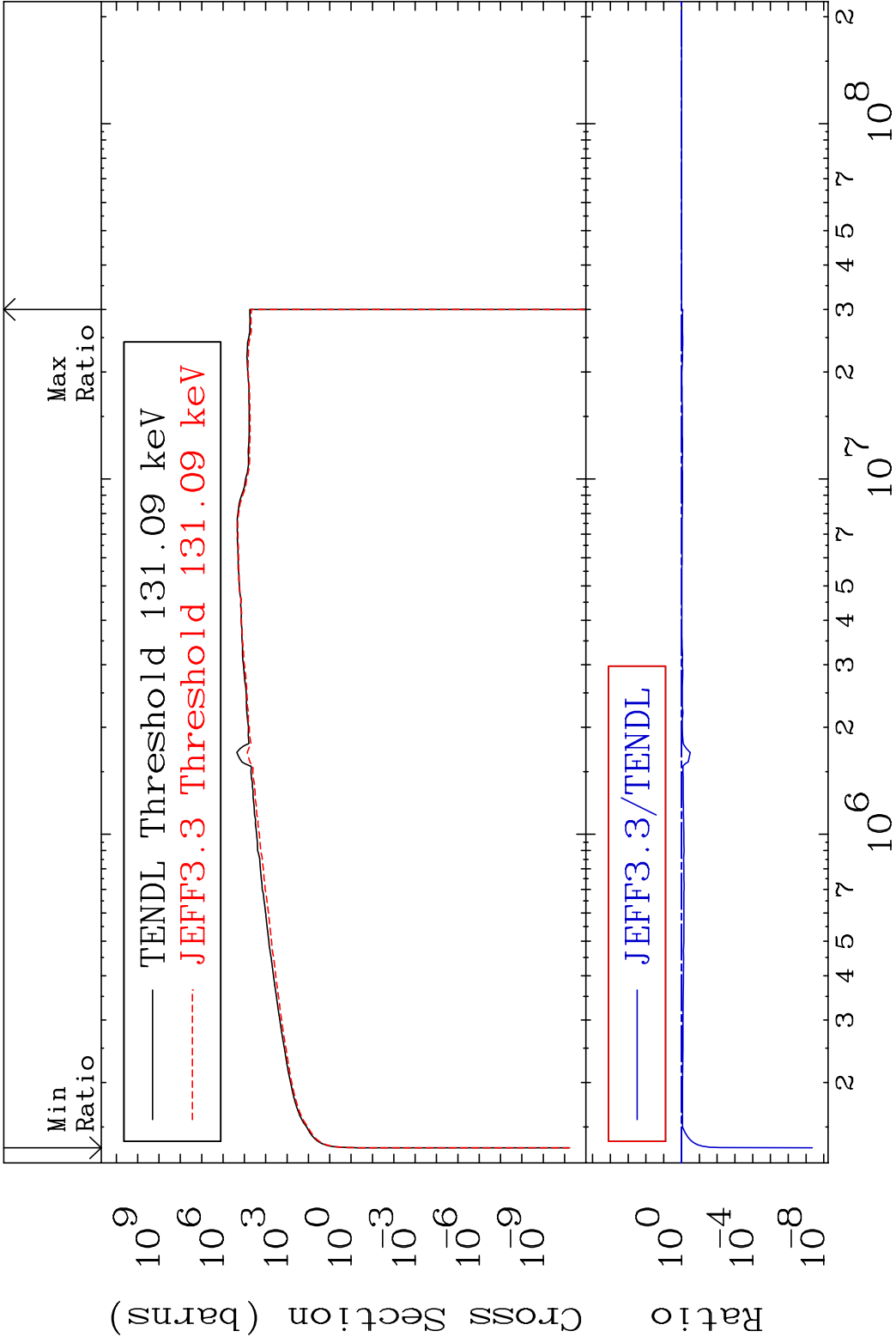
65 Incident Energy (eV) 60-Nd-150



MAT 6049 Kerma non-elastic (all but mt2) 60-Nd-150
Cross Section -99.83 To 9999. %

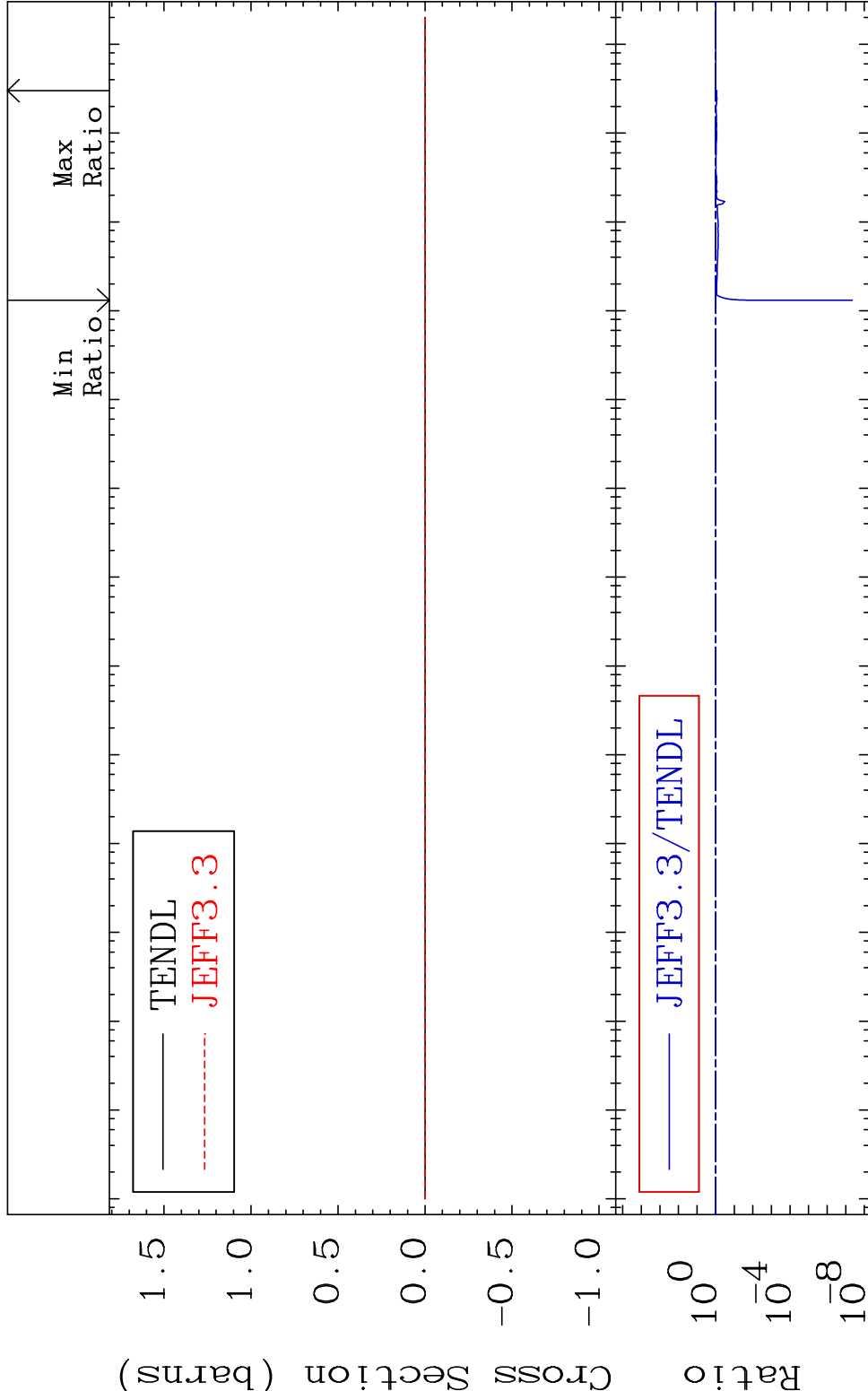


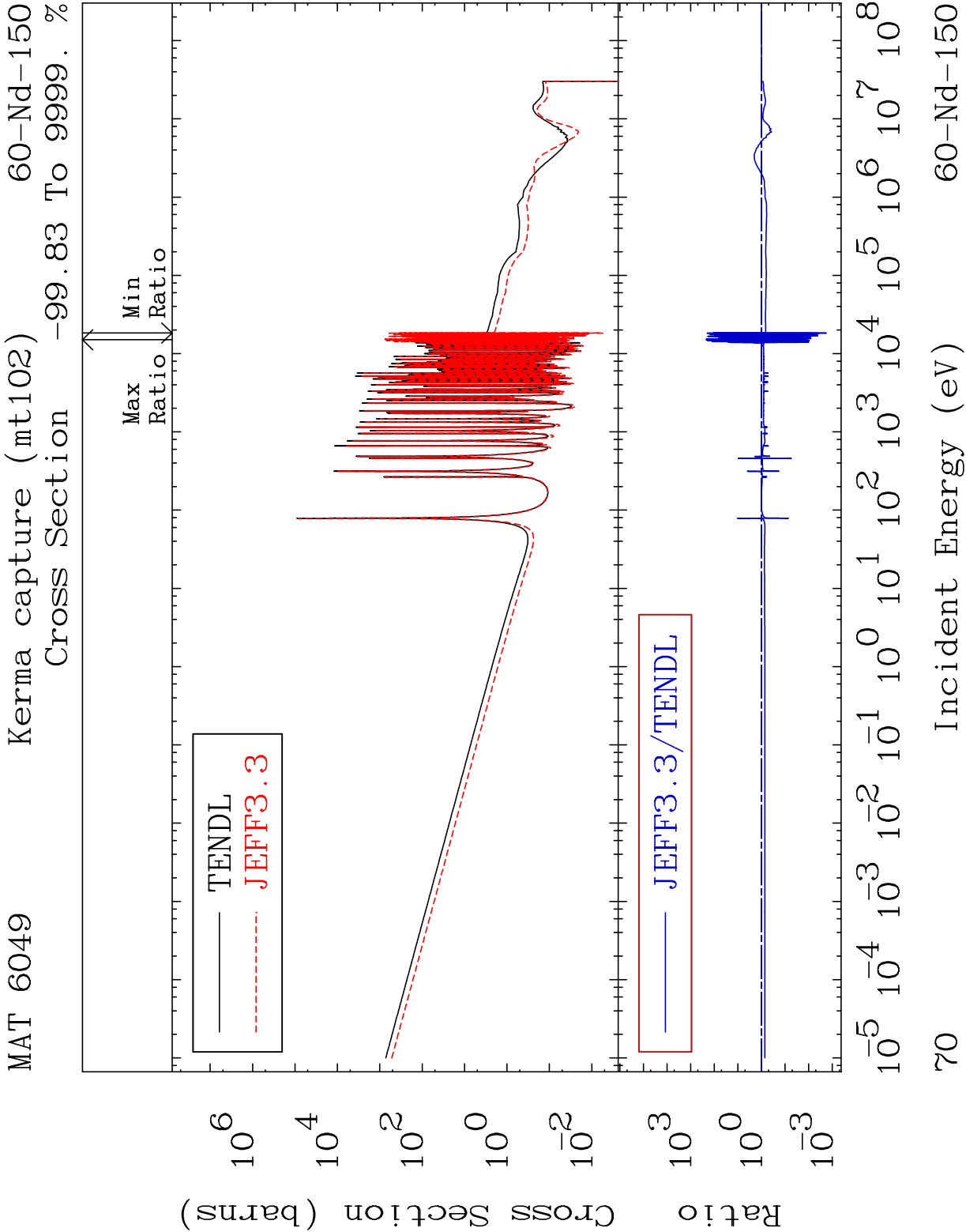
67 Incident Energy (eV) 60-Nd-150

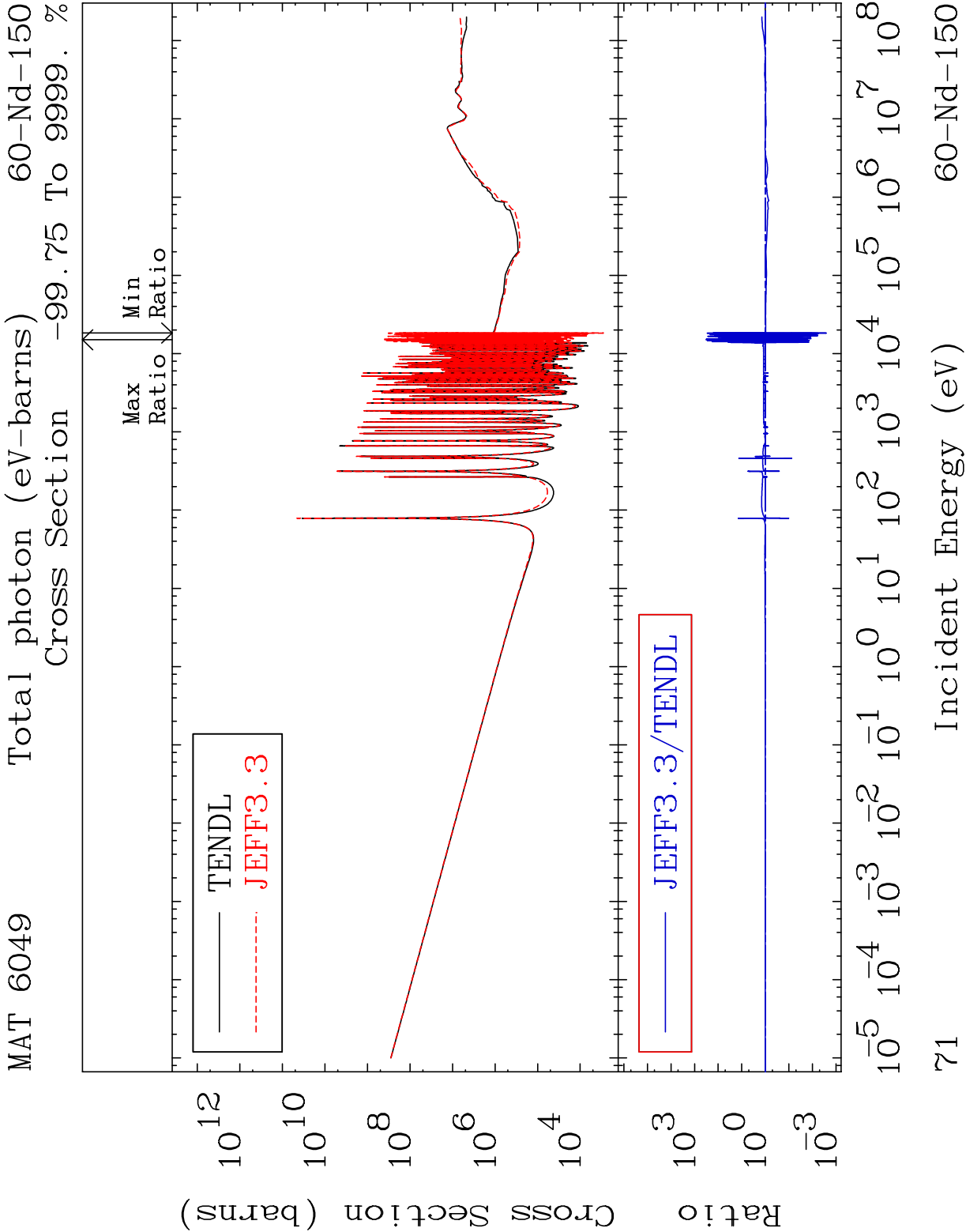


MAT 6049Kerma fission (mt18 or mt19-20-21-38)60-Nd-150

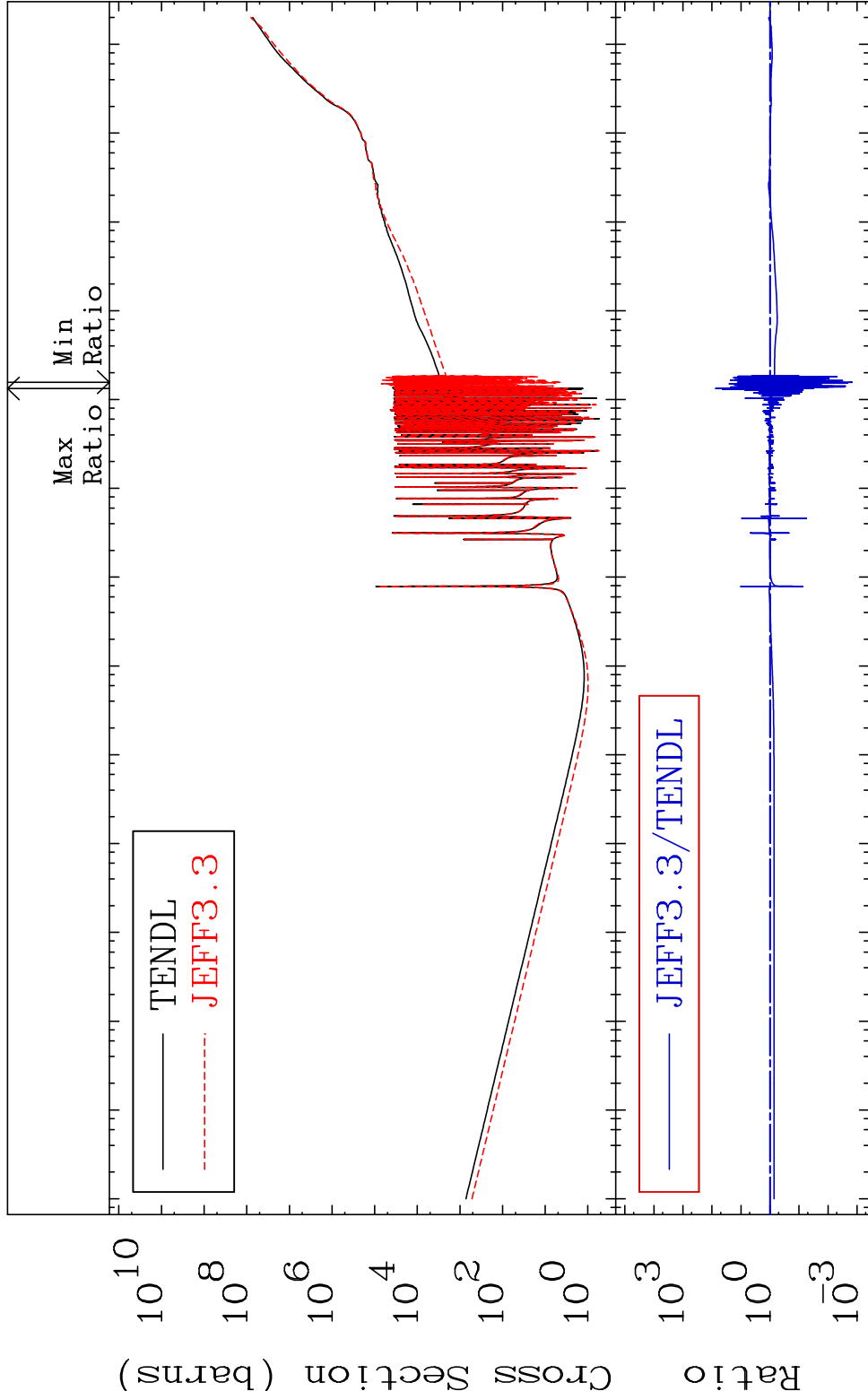
Cross Section -100.0 To 0.000 %







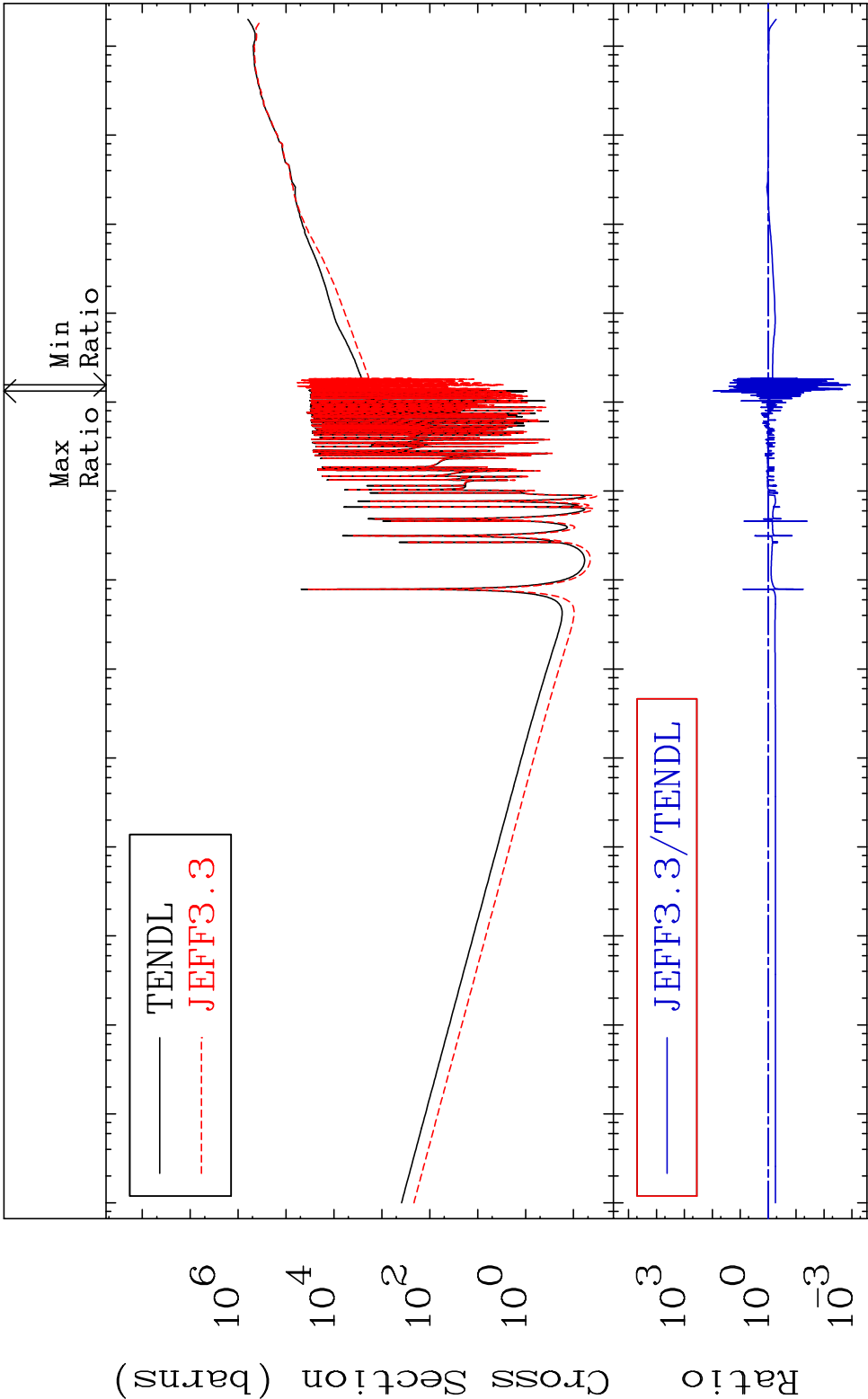
MAT 6049 Total kinematic kerma (high limit) 60-Nd-150
Cross Section -99.85 To 7334. %



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

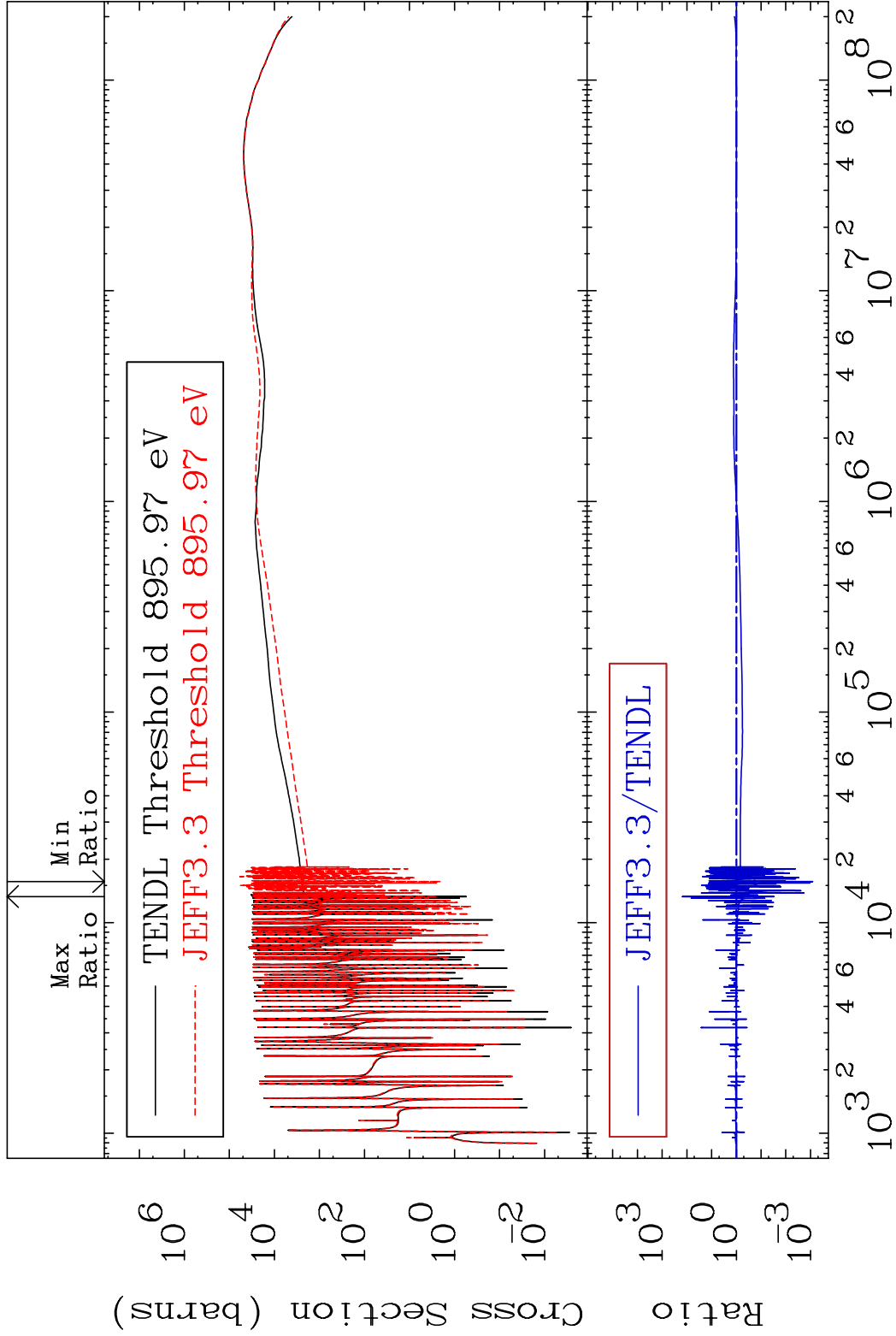
72 Incident Energy (eV) 60-Nd-150

MAT 6049 Dpa total (eV-barns) 60-Nd-150
Cross Section -99.89 To 8935. %

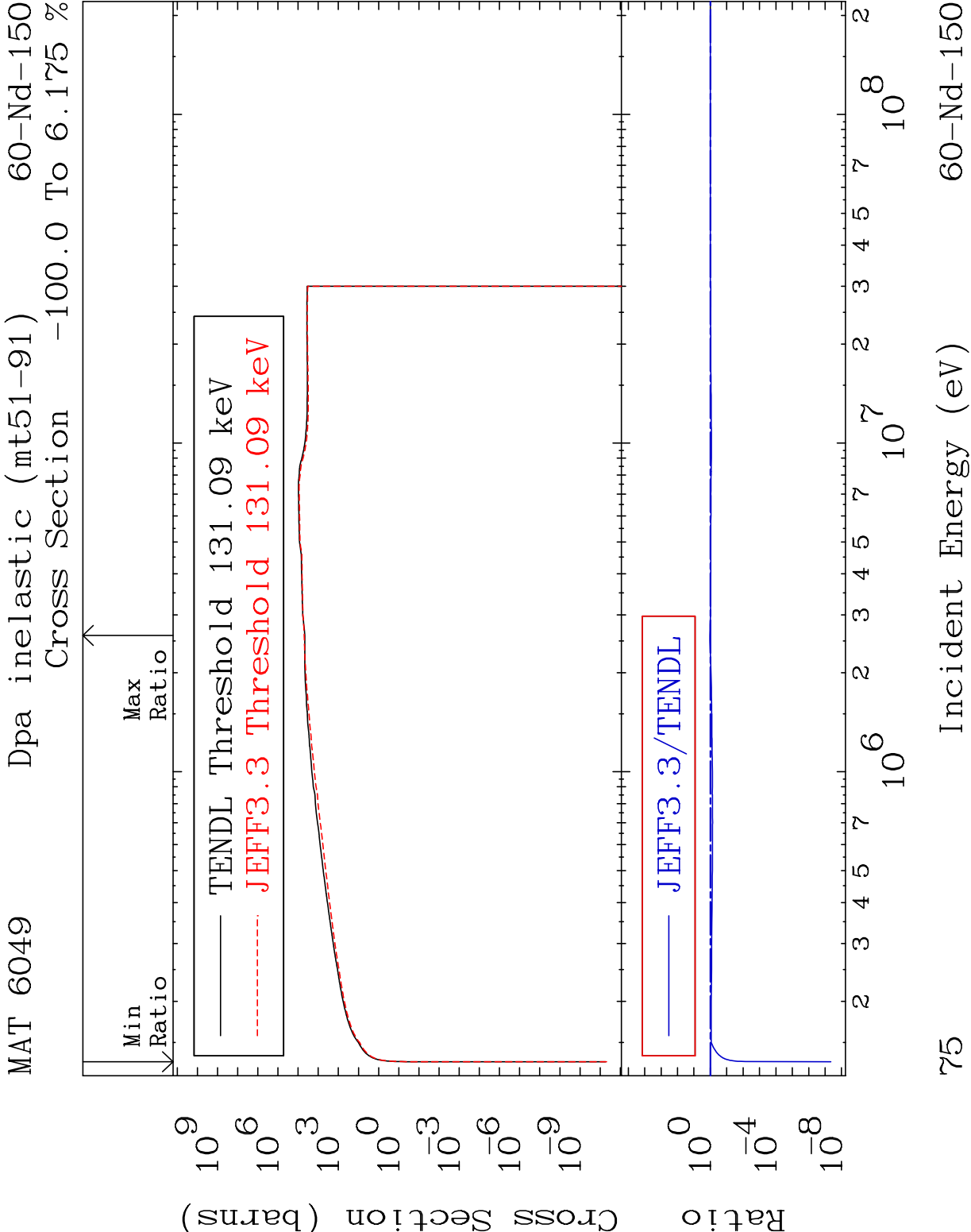


73 Incident Energy (eV) 60-Nd-150

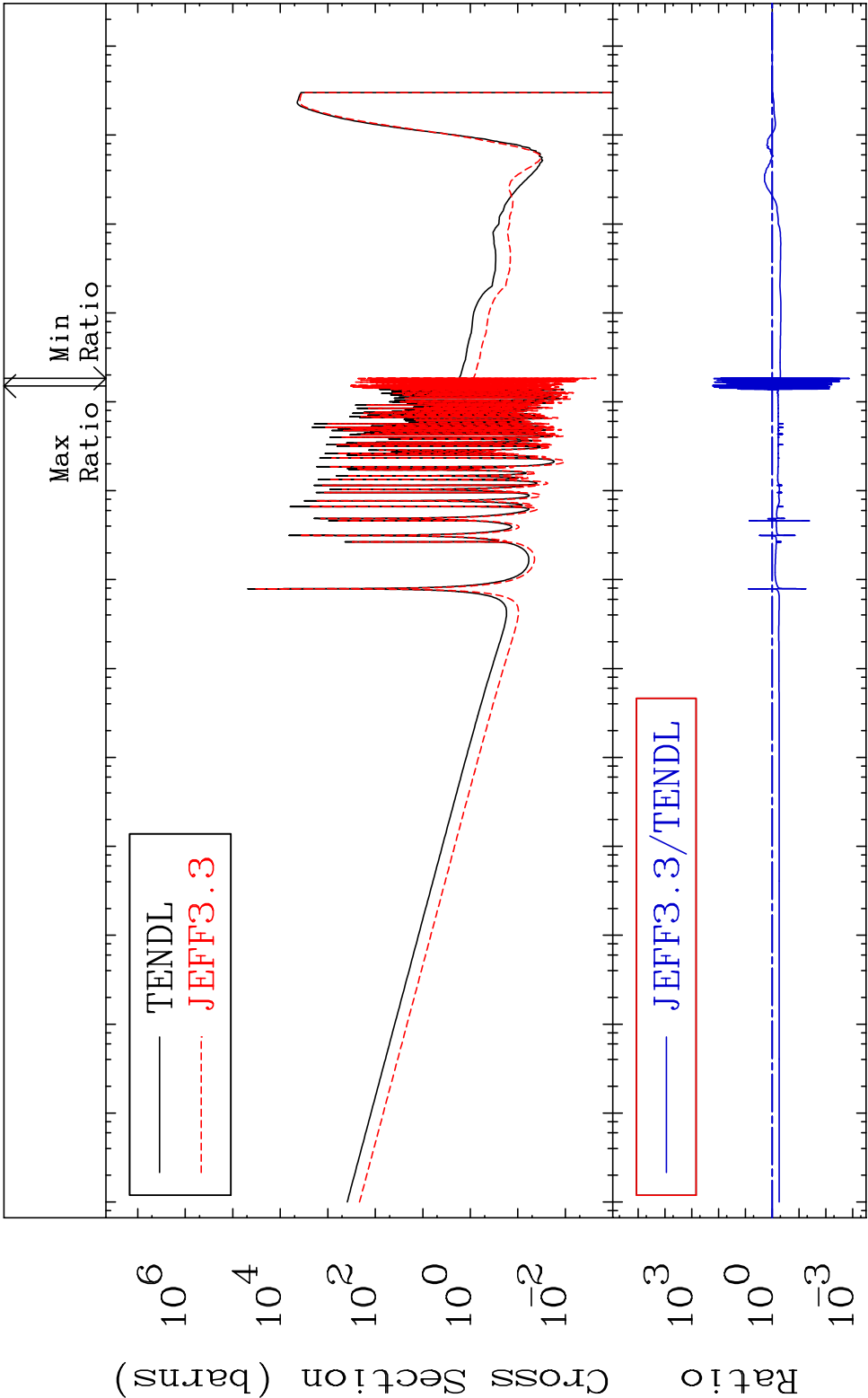
MAT 6049 Dpa elastic (mt2) 60-Nd-150
Cross Section -99.92 To 9999. %



74 Incident Energy (eV) 60-Nd-150



MAT 6049 Dpa disappearance (mt102 -120) 60-Nd-150
Cross Section -99.87 To 9999. %



76 Incident Energy (eV) 60-Nd-150

