

Program Complot
(Version 2021-1)

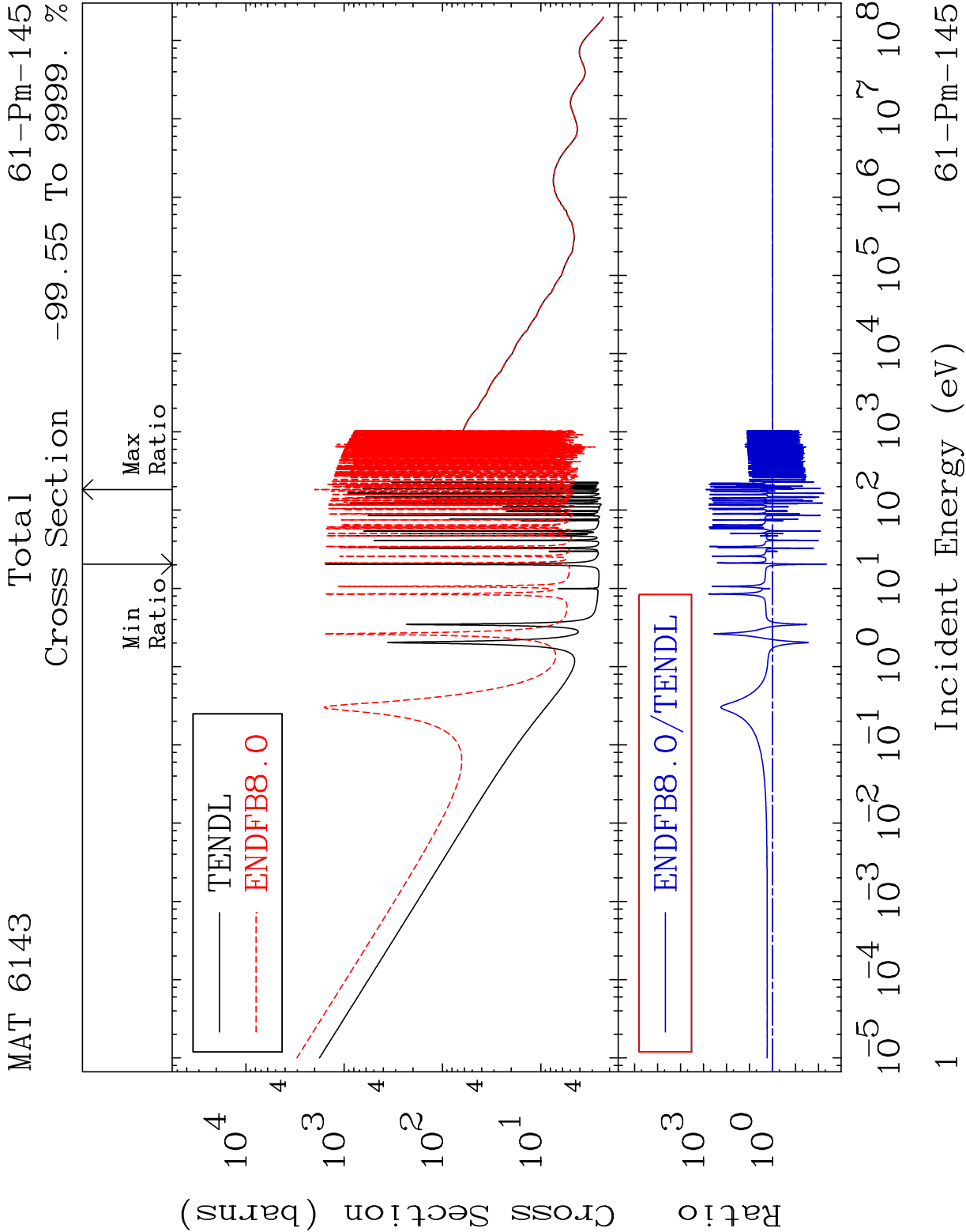
by

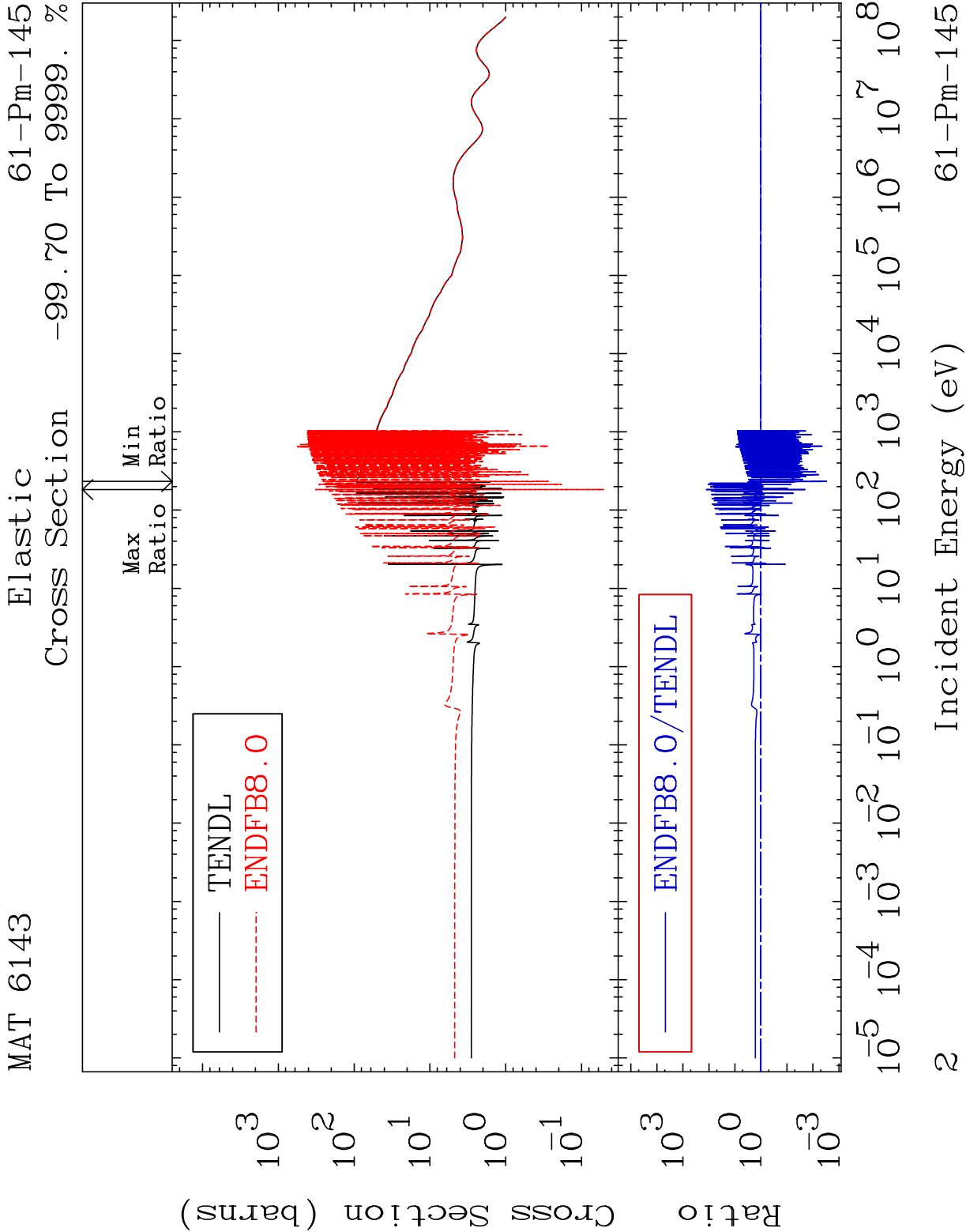
Dermott E. Cullen
(Present Contact Information)

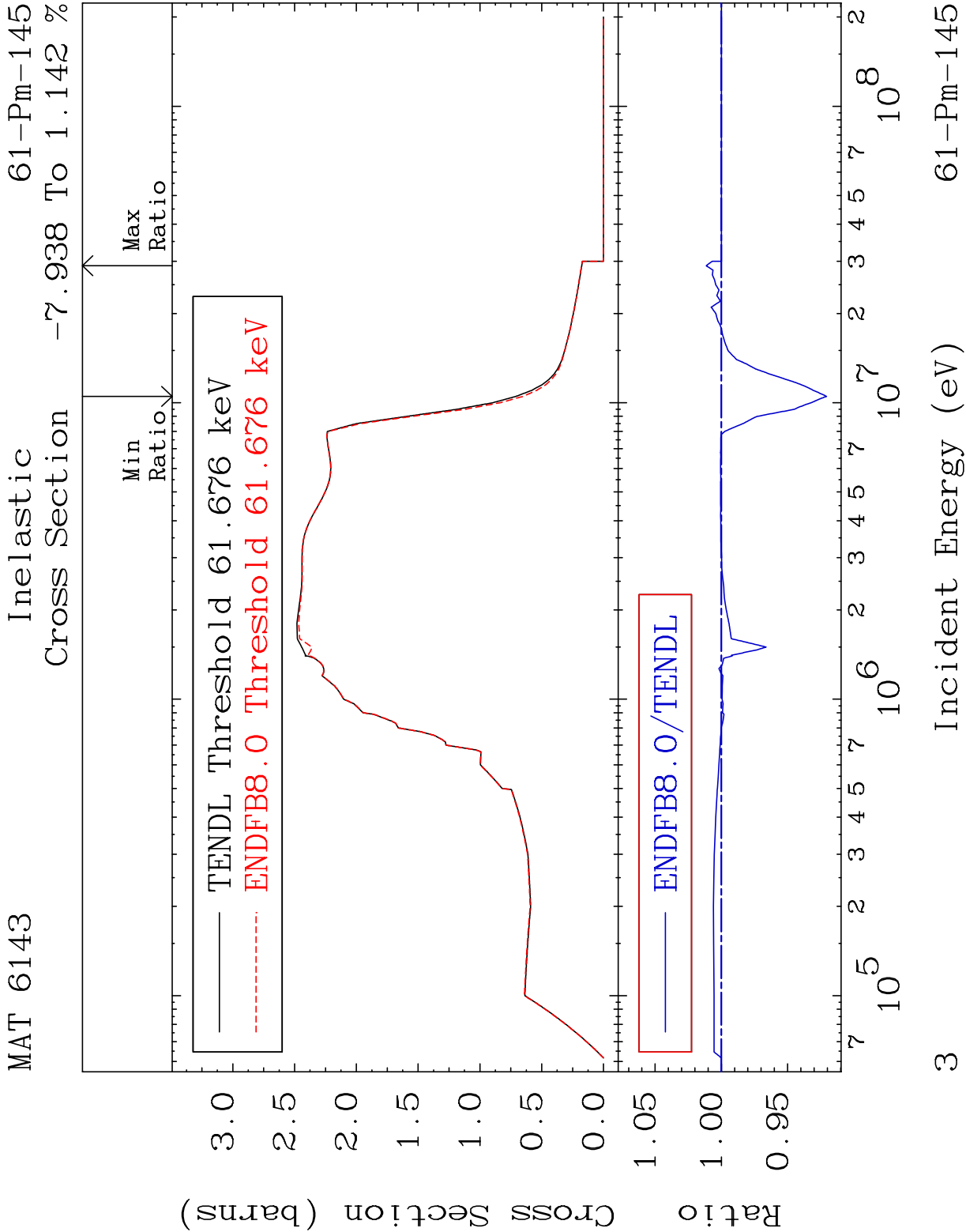
Dermott E. Cullen
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Livermore, CA 94550
U.S.A.

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

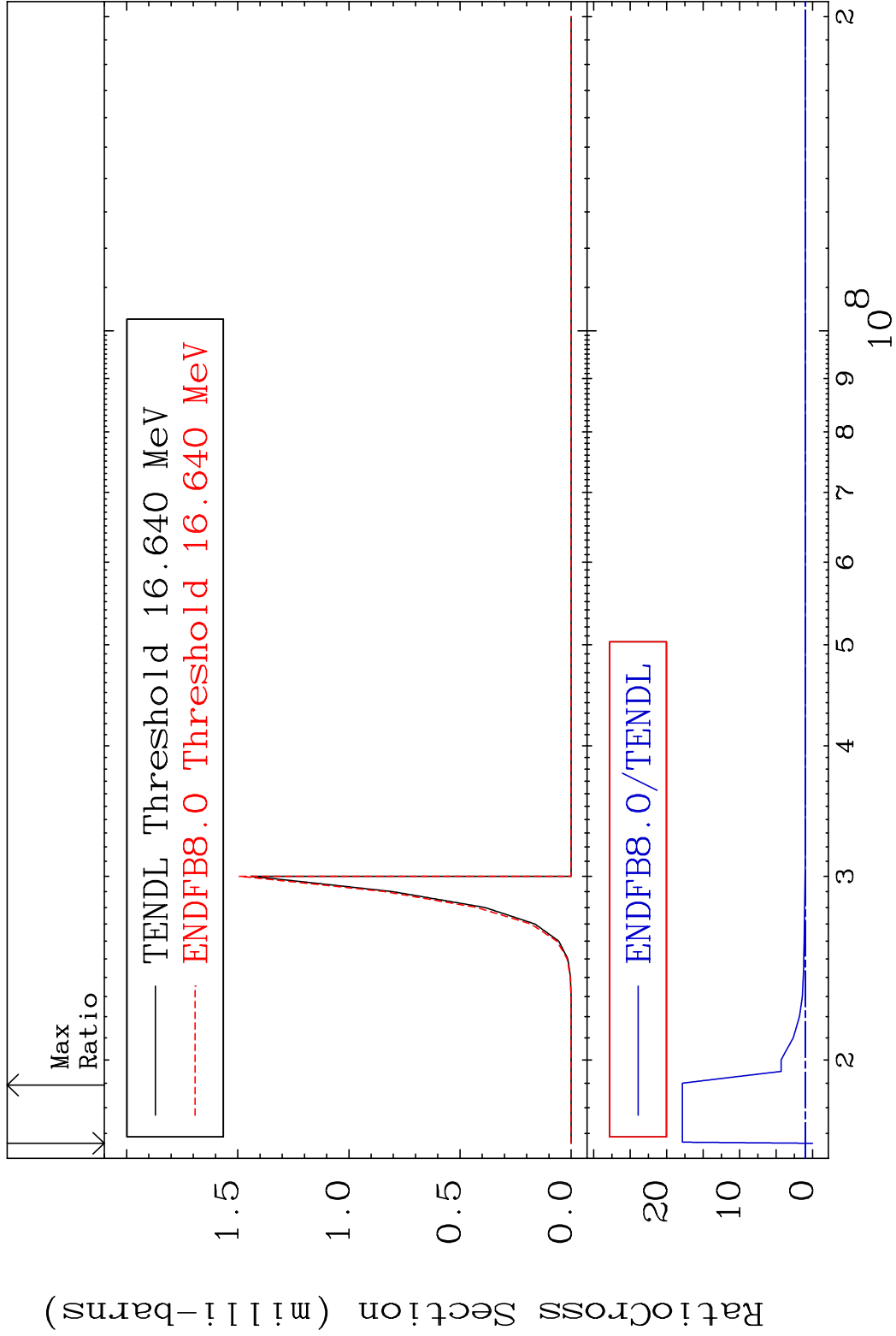
Press Mouse Button to Start



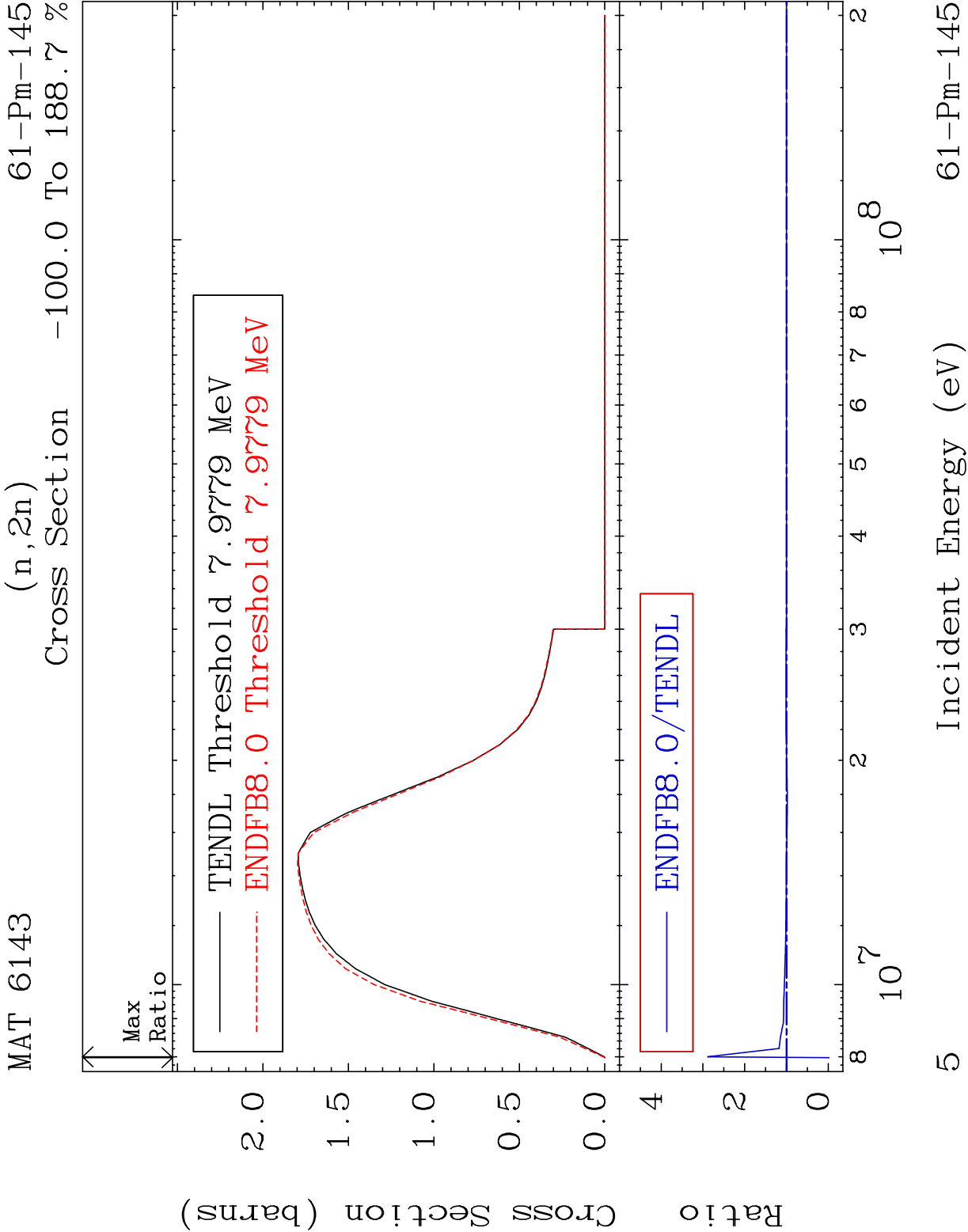


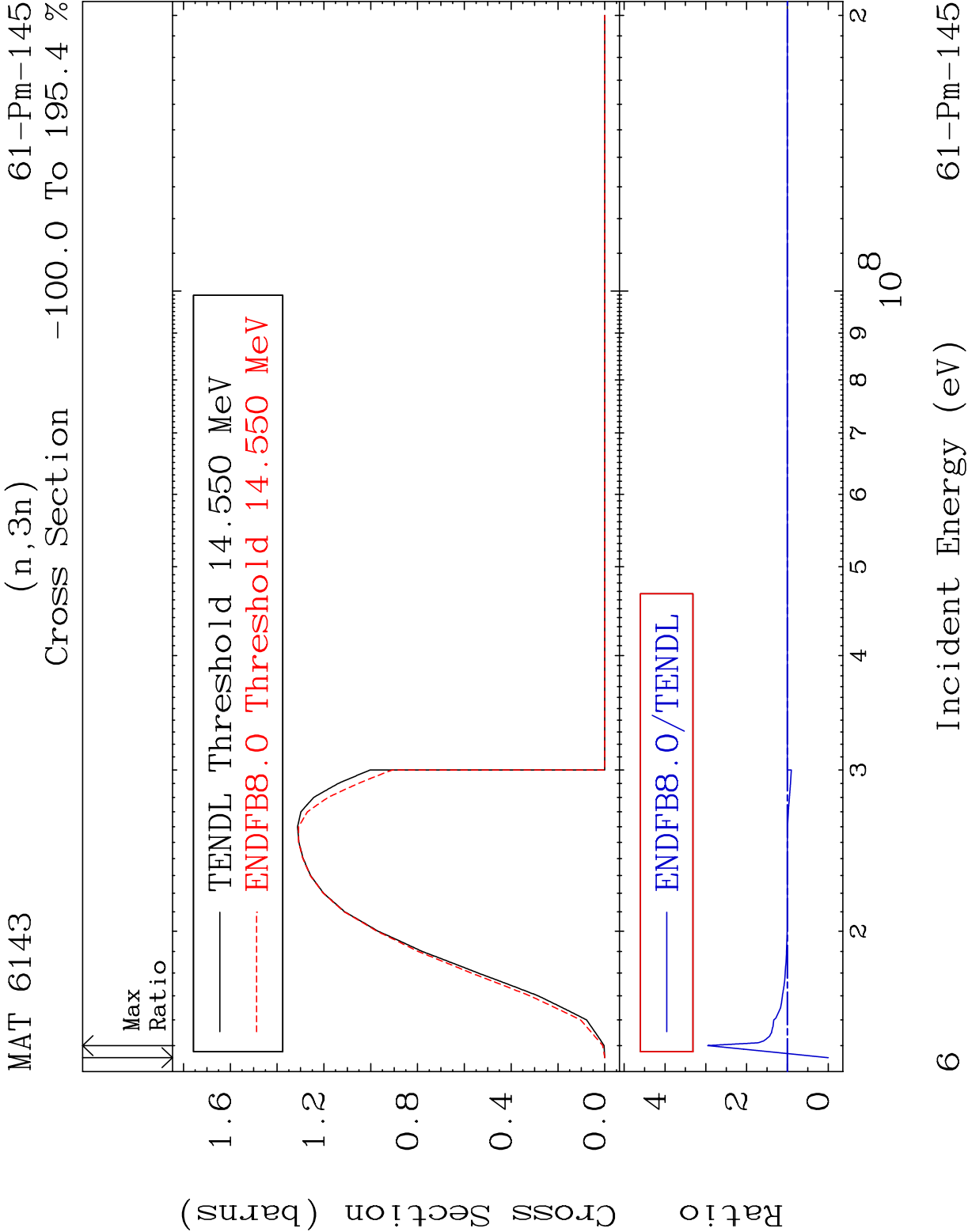


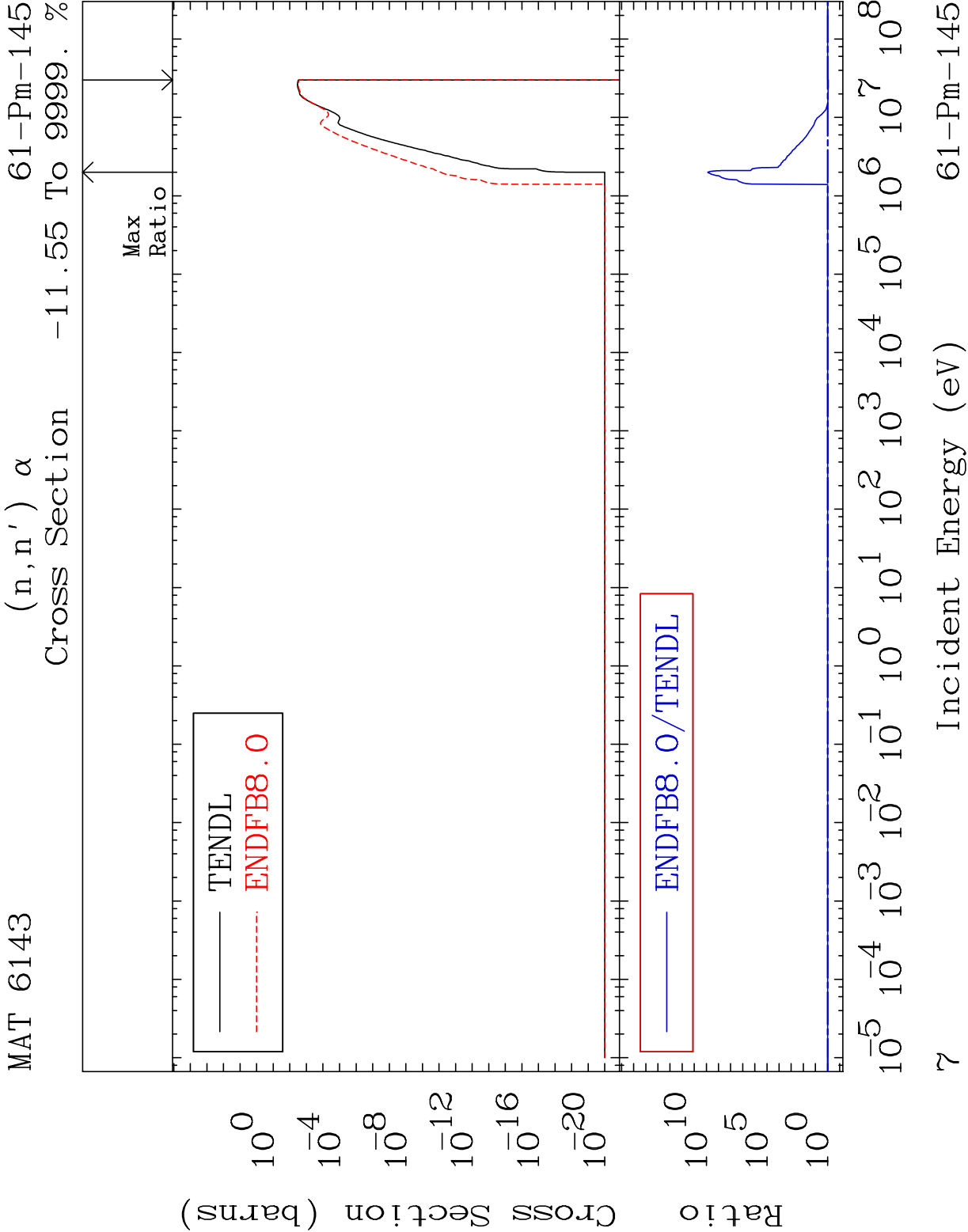
MAT 6143 (n,2n) d 61-Pm-145
Cross Section -100.0 To 1684. %

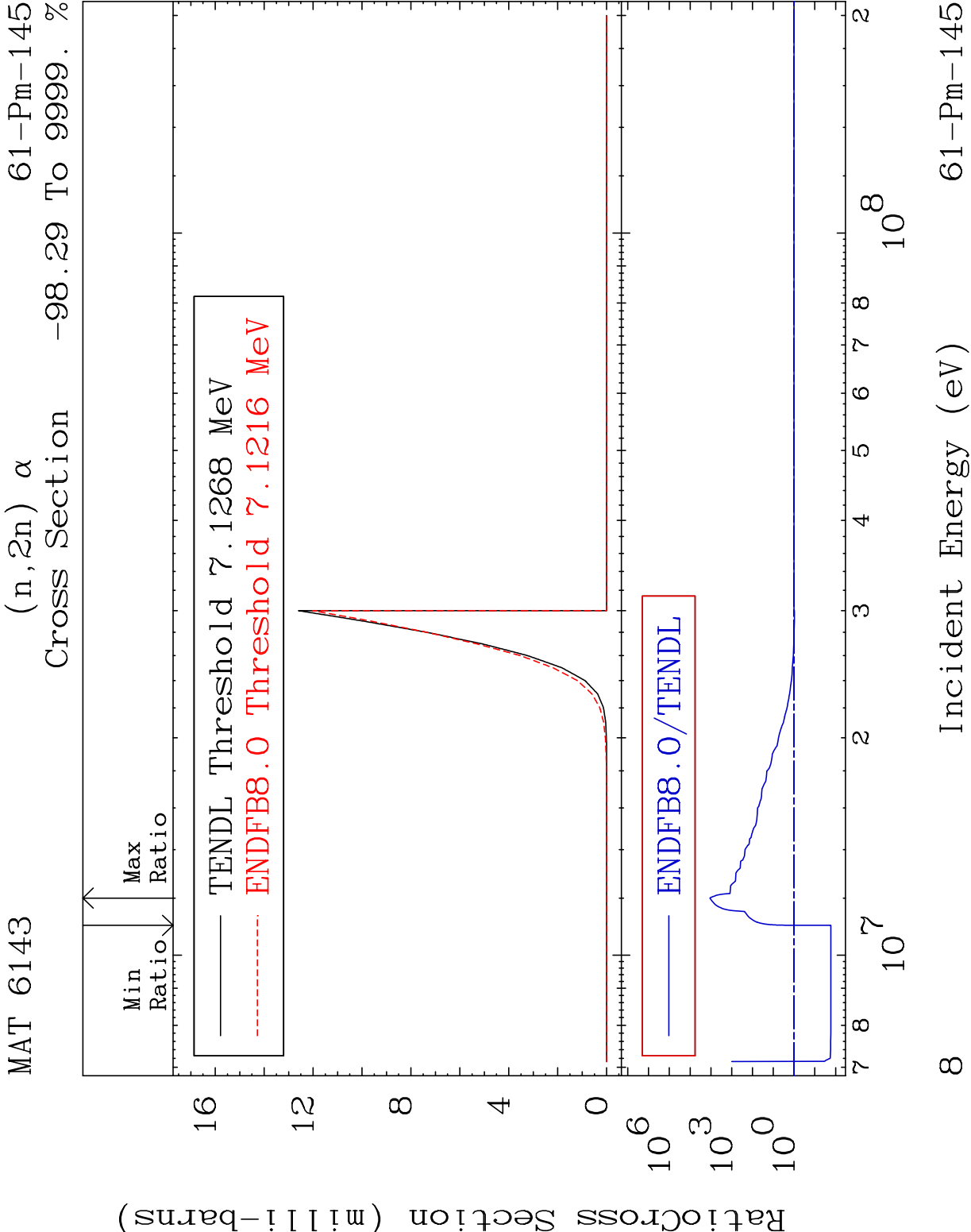


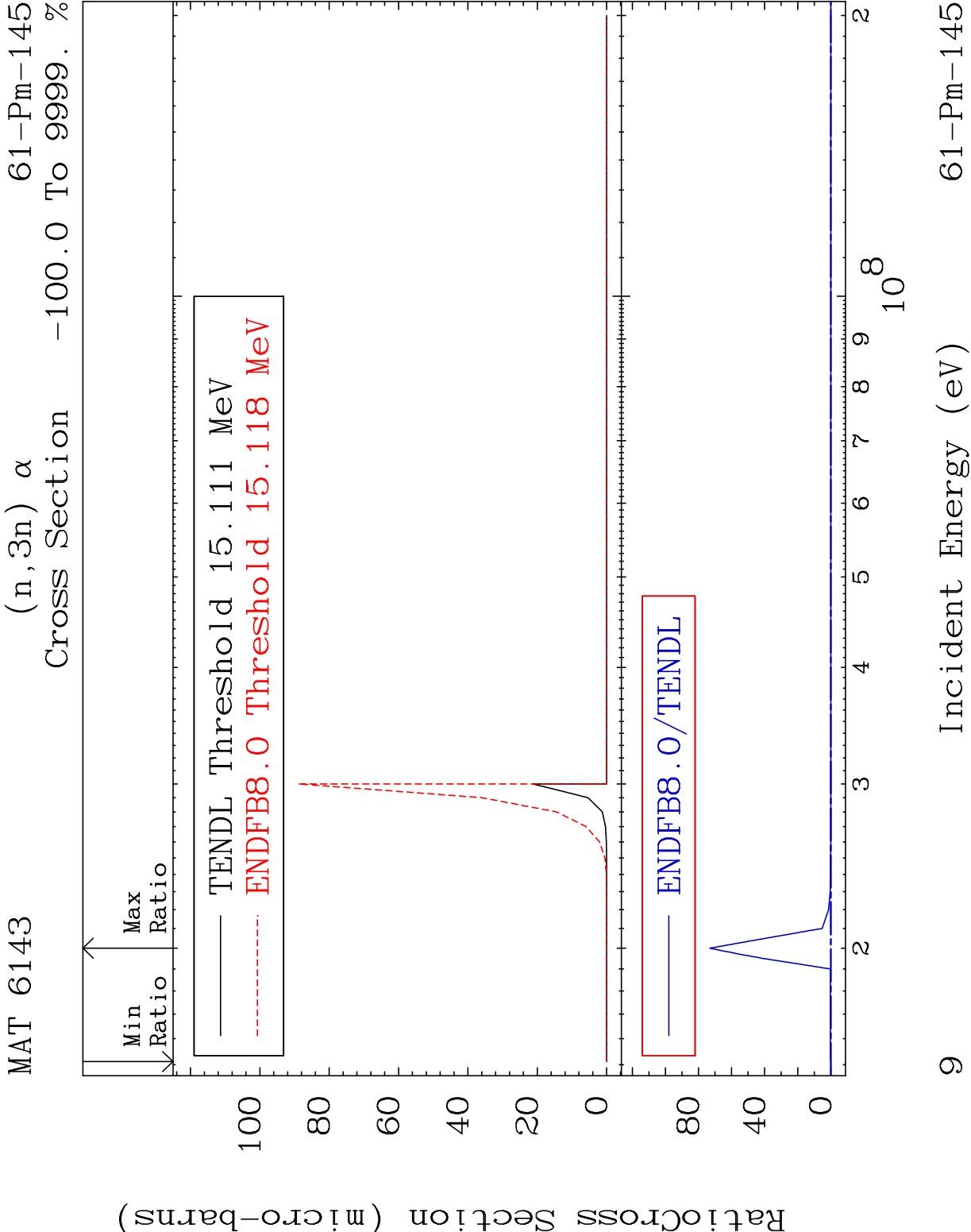
4 Incident Energy (eV) 61-Pm-145

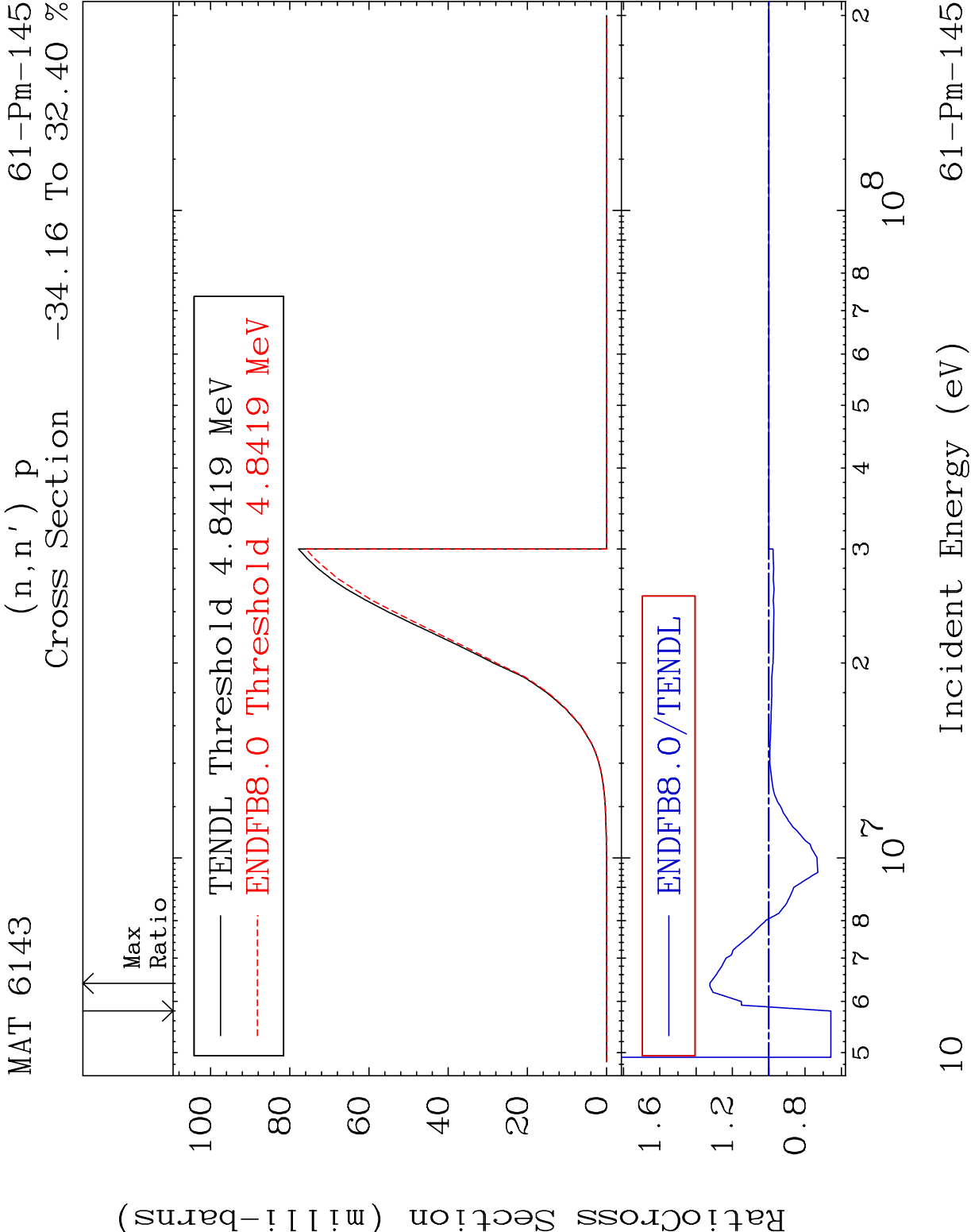


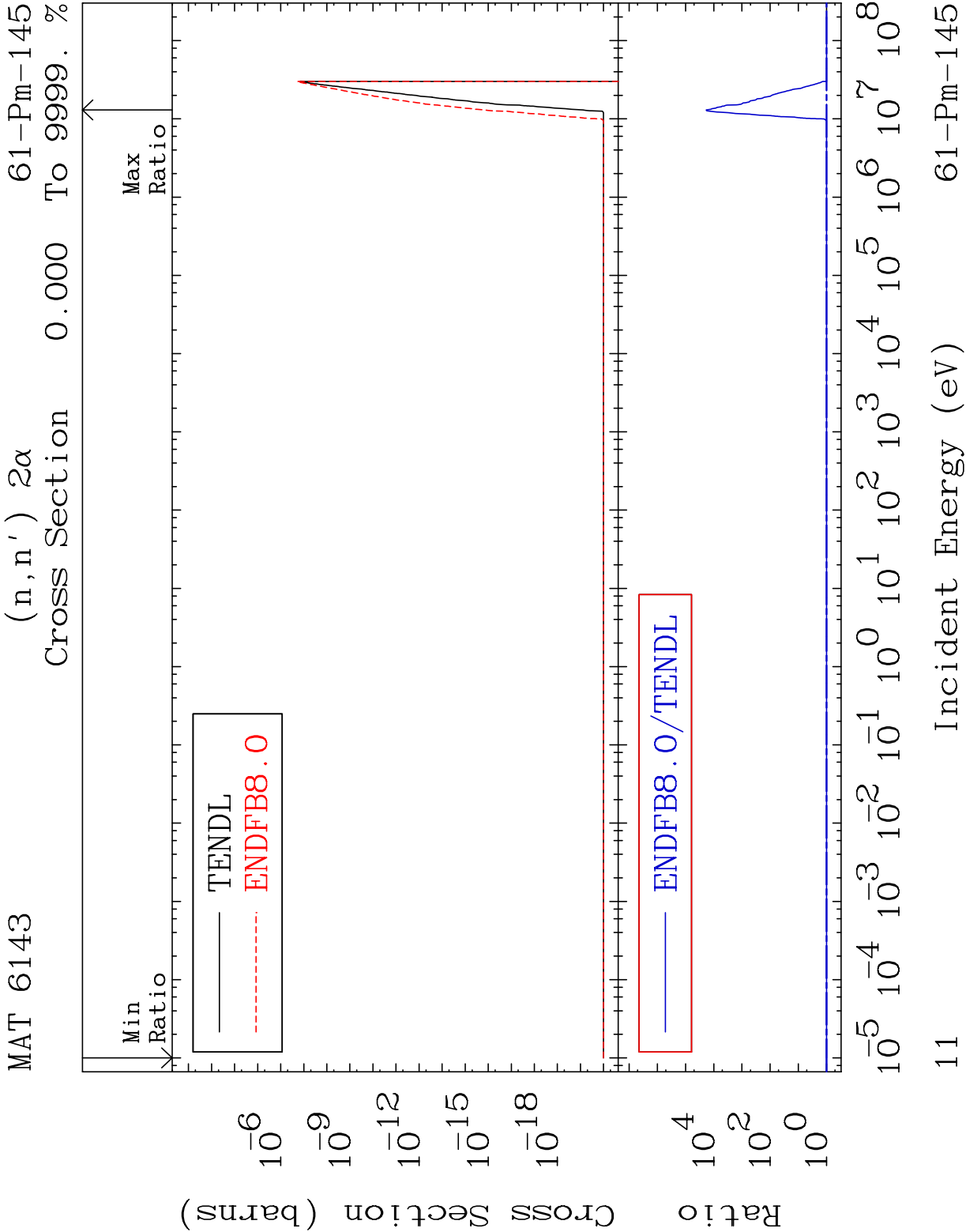


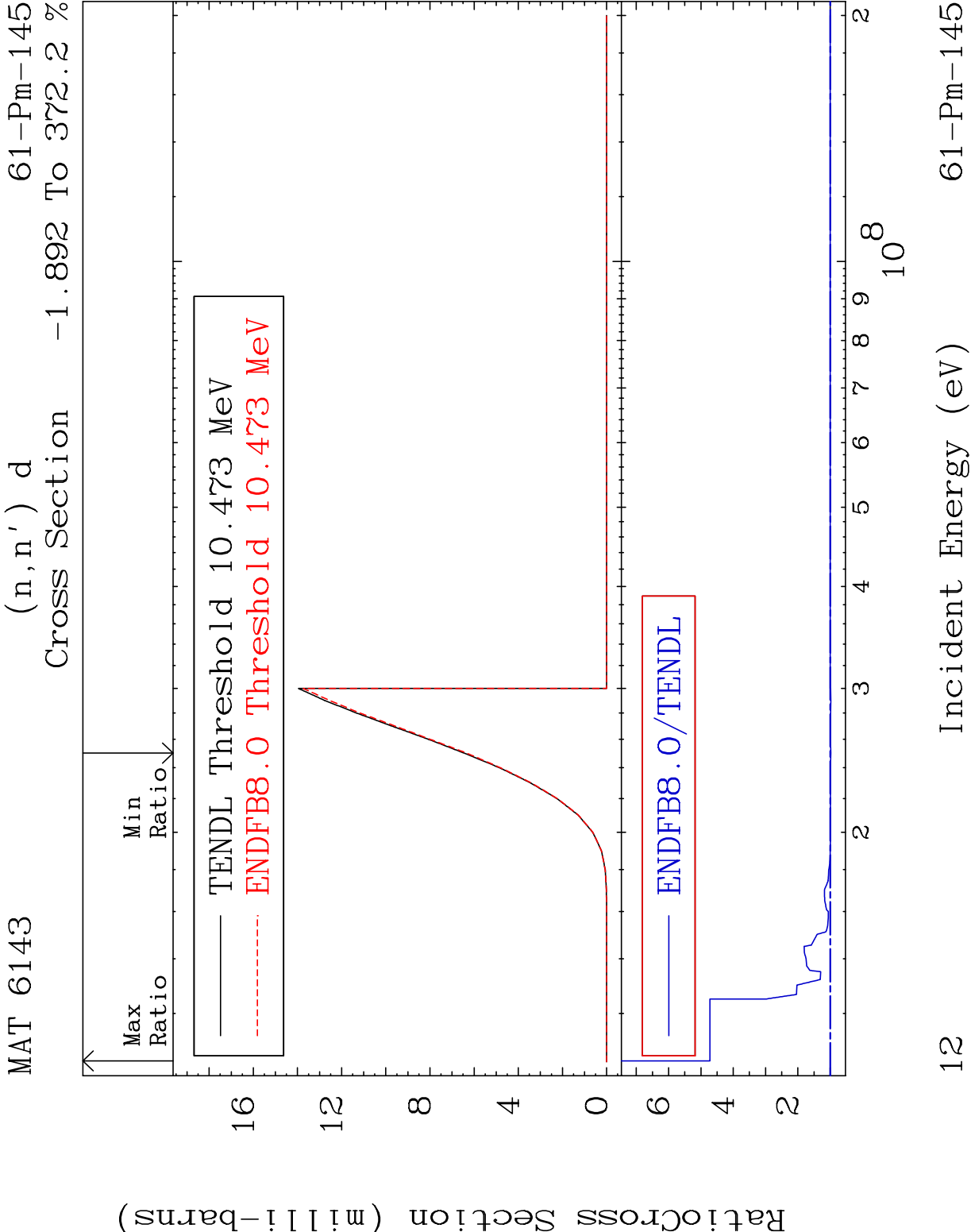






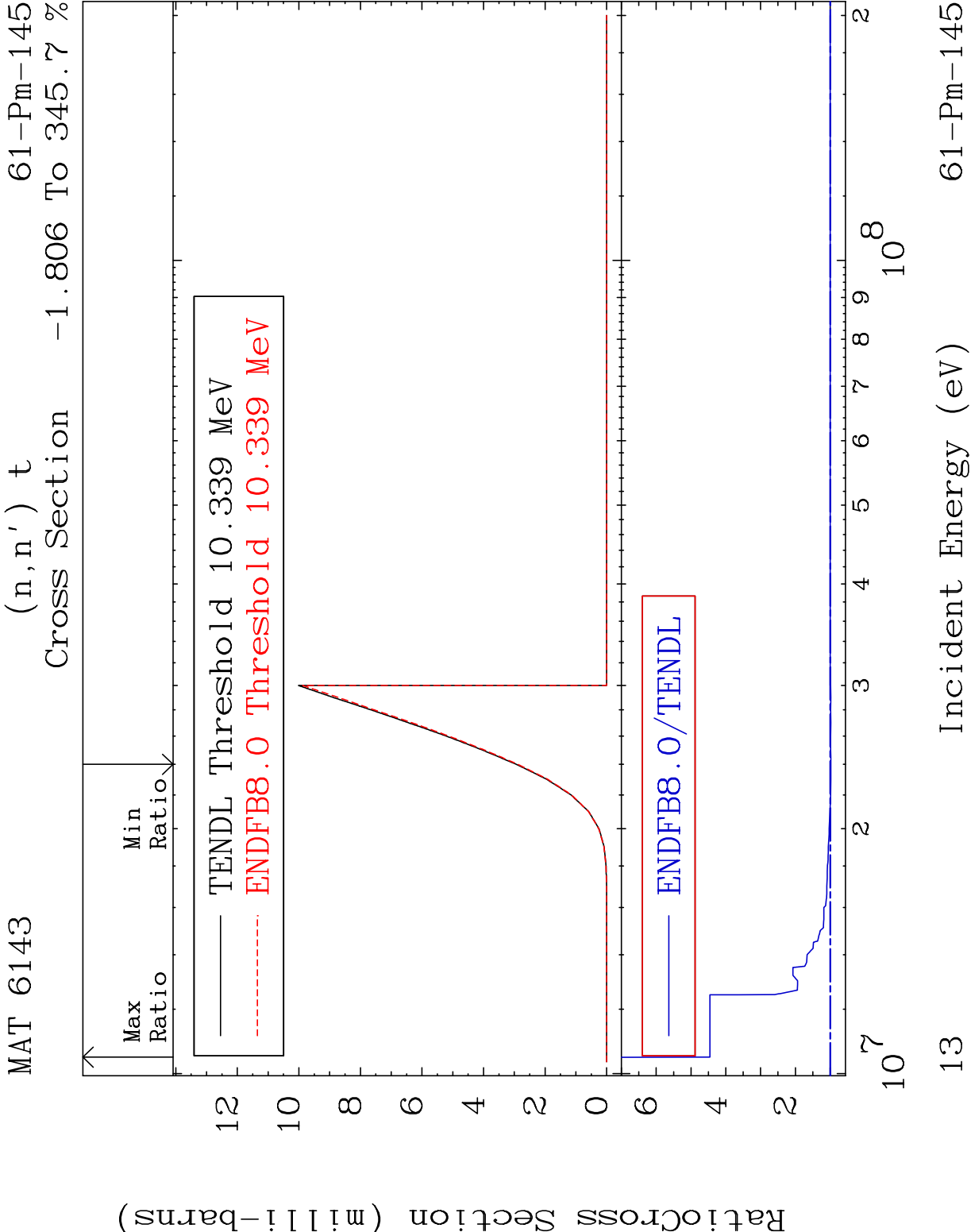


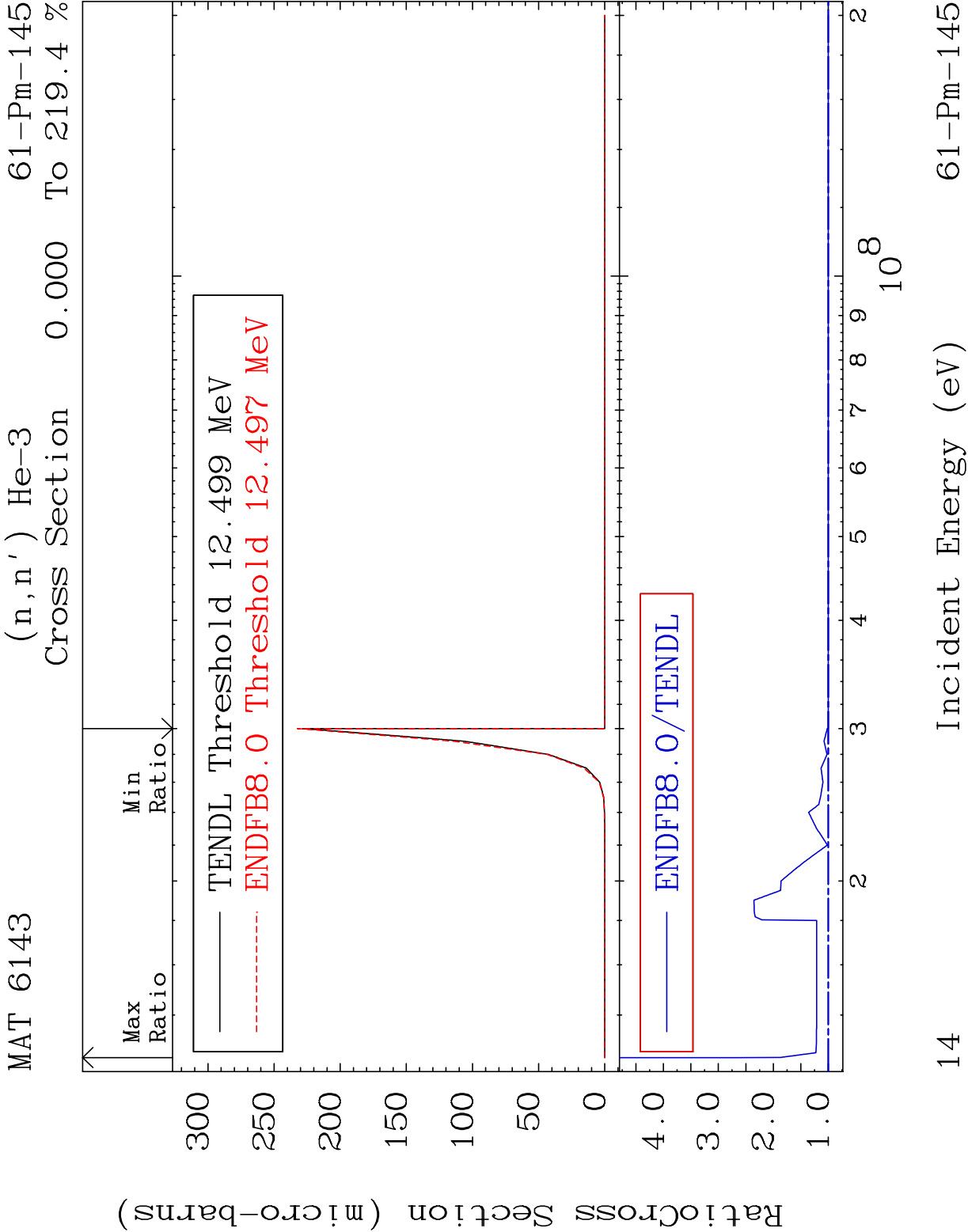


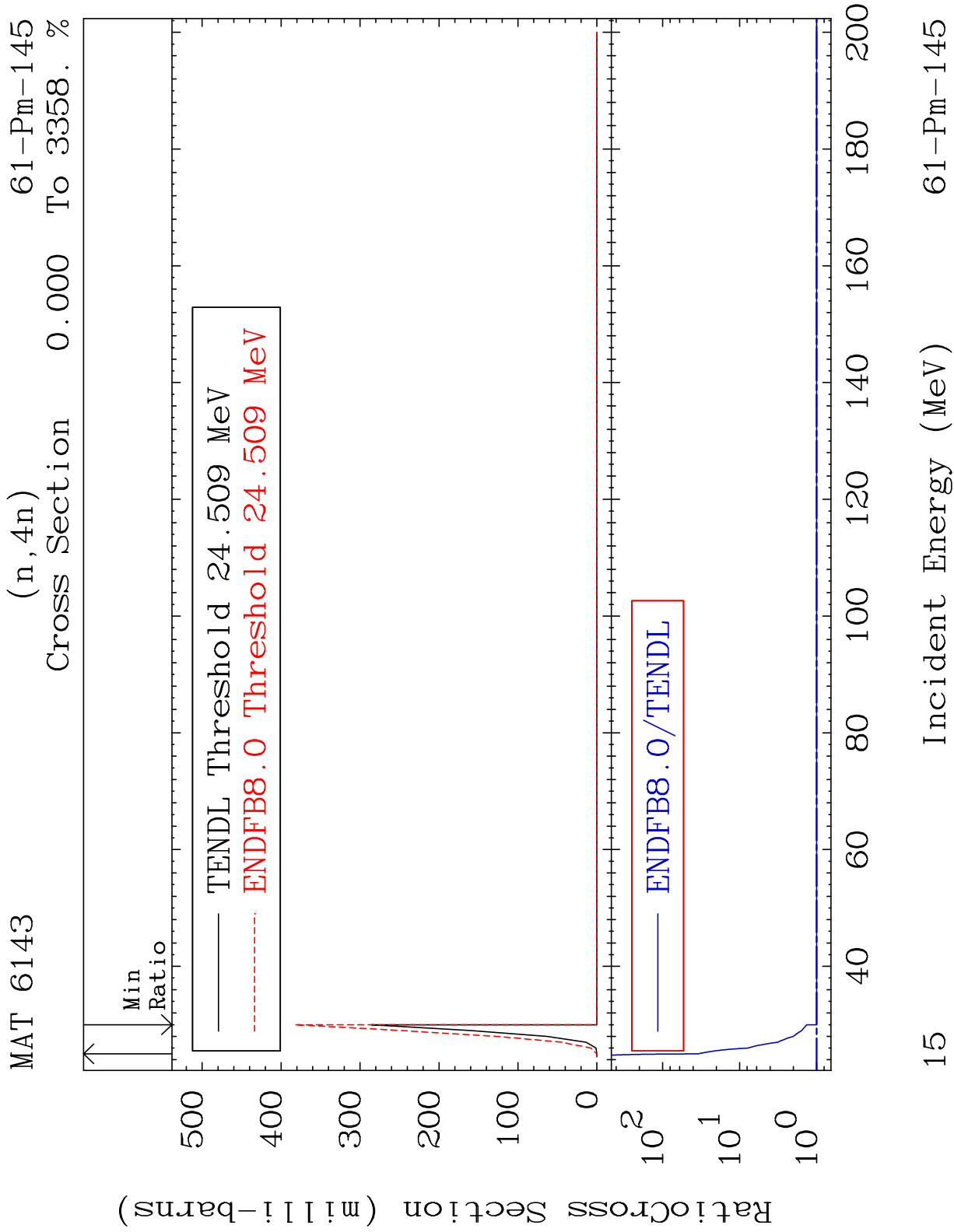


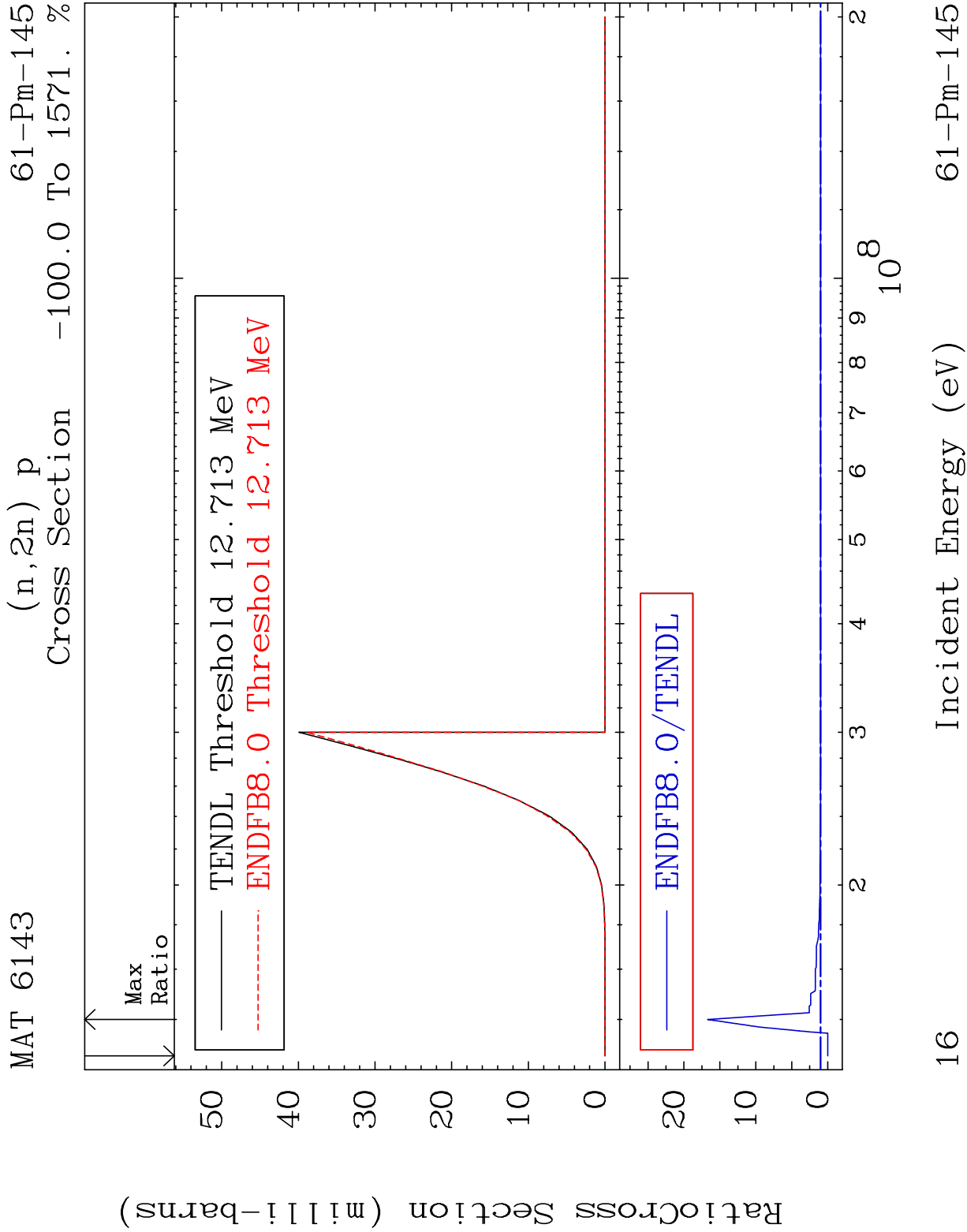
12

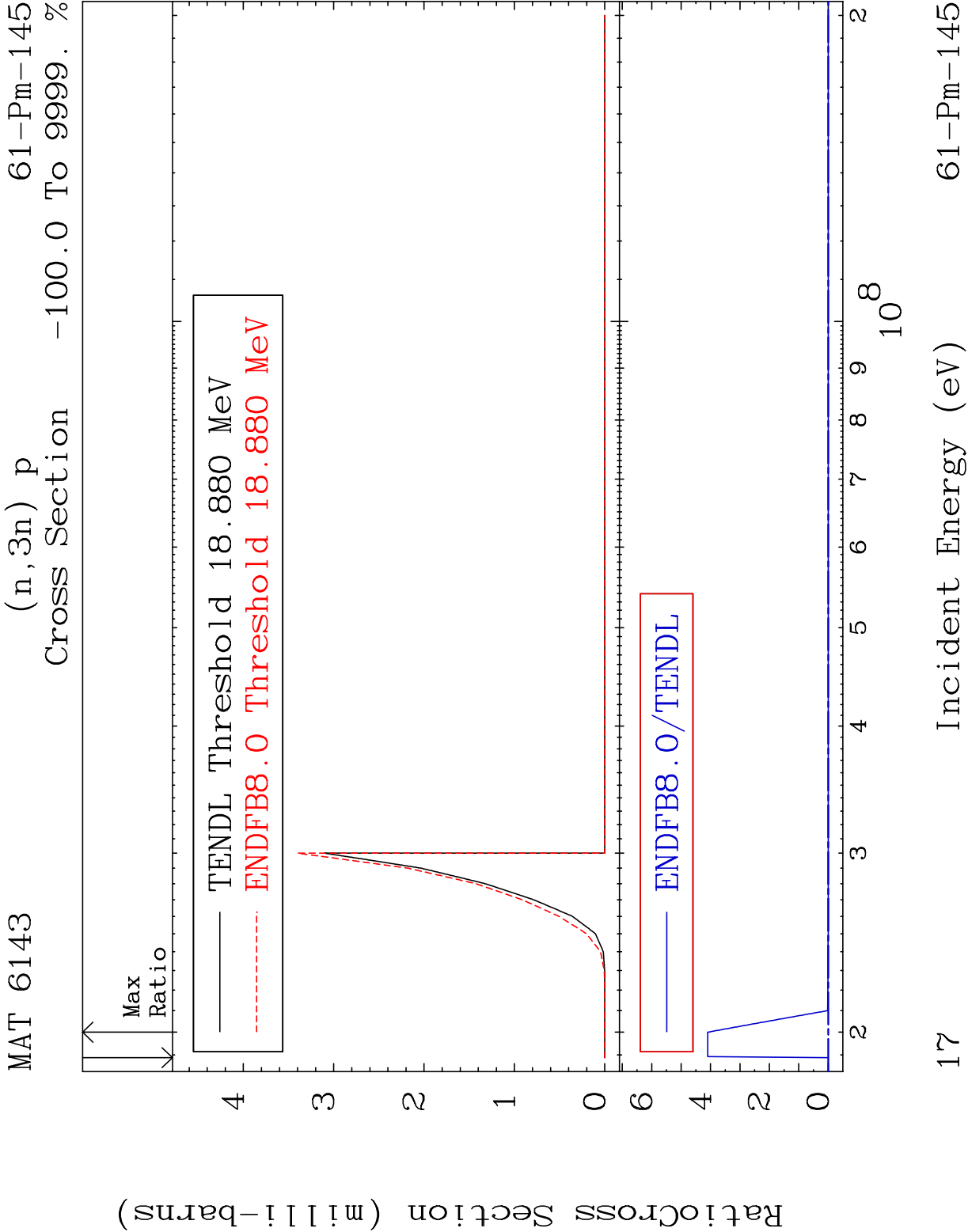
61-Pm-145

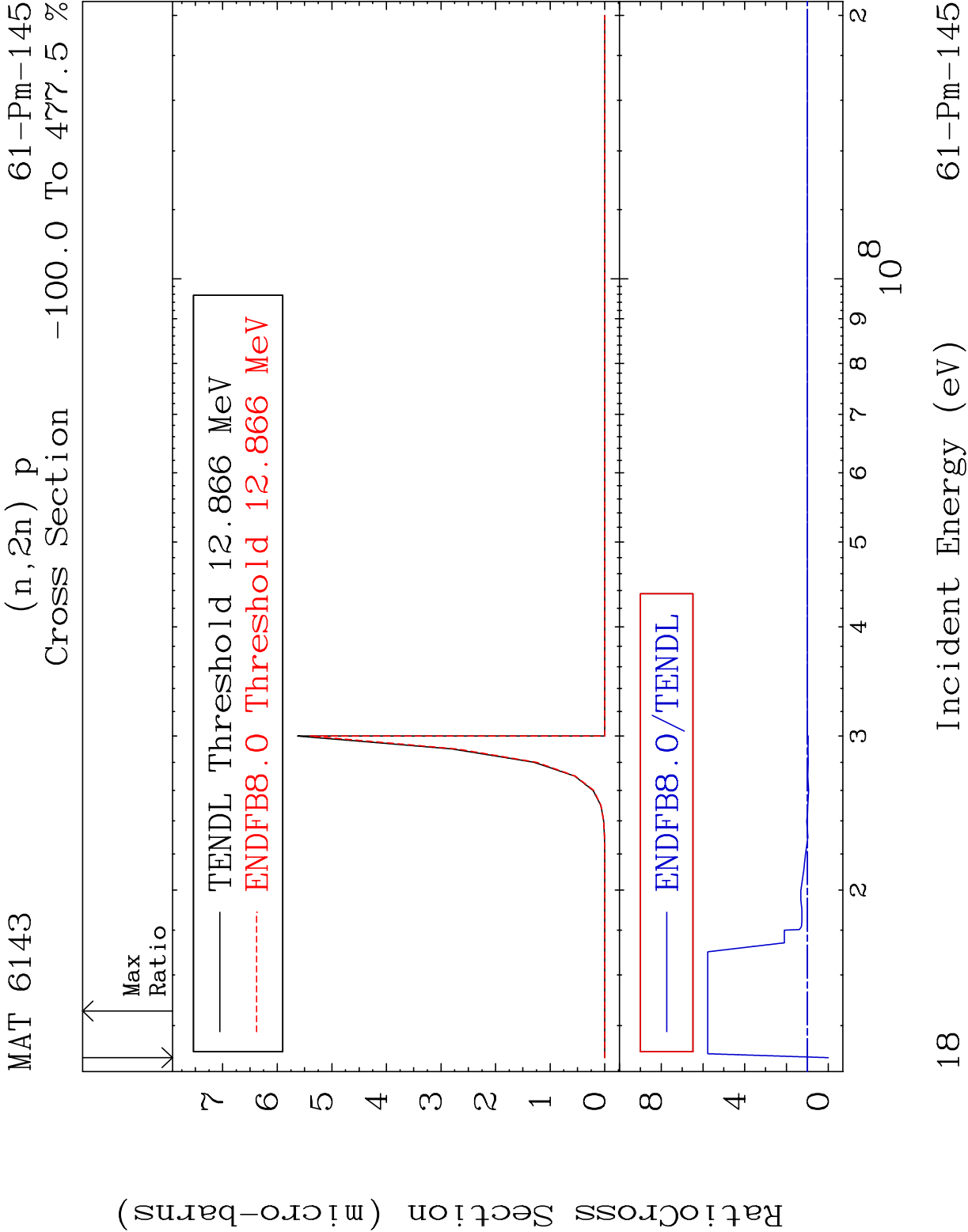


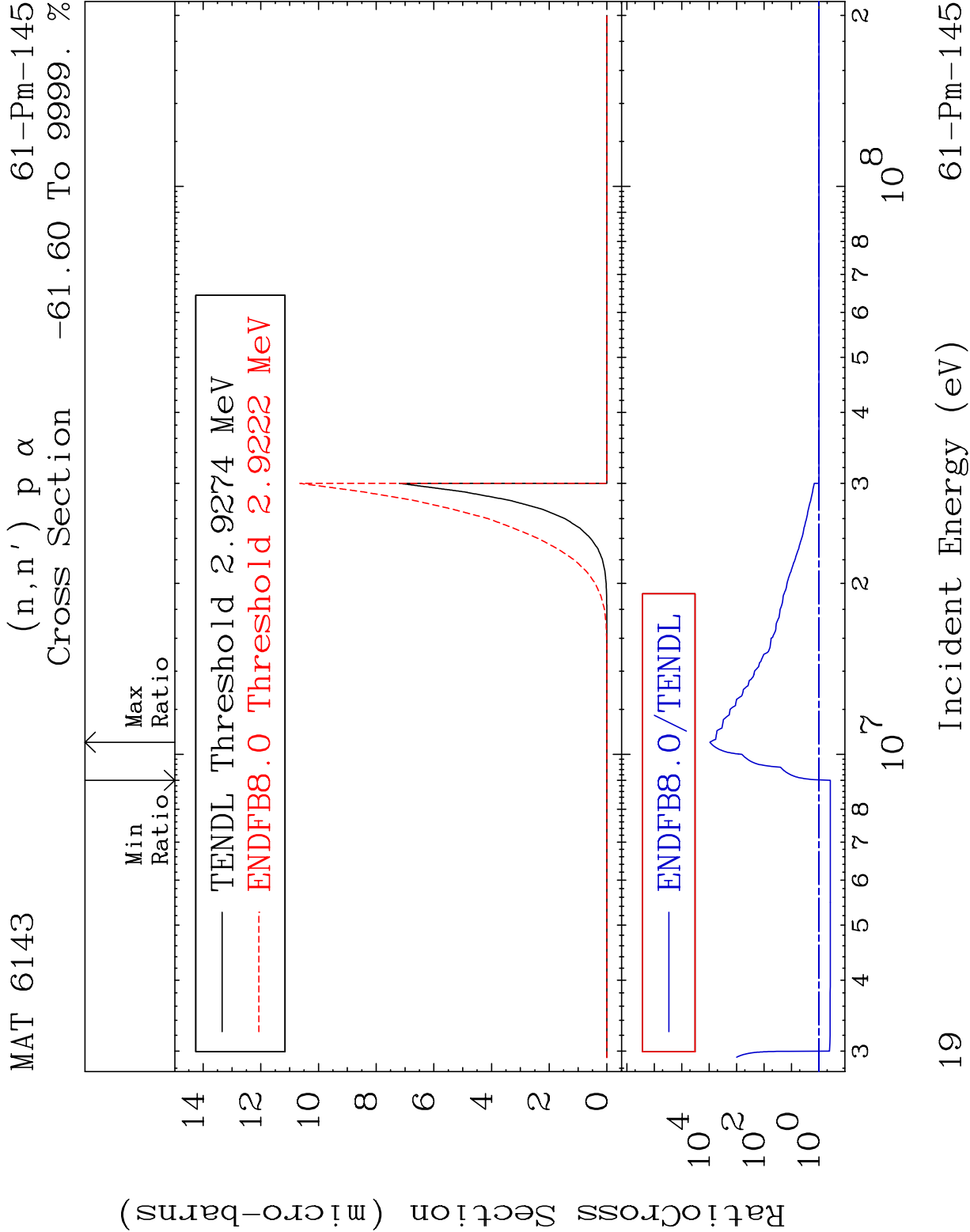




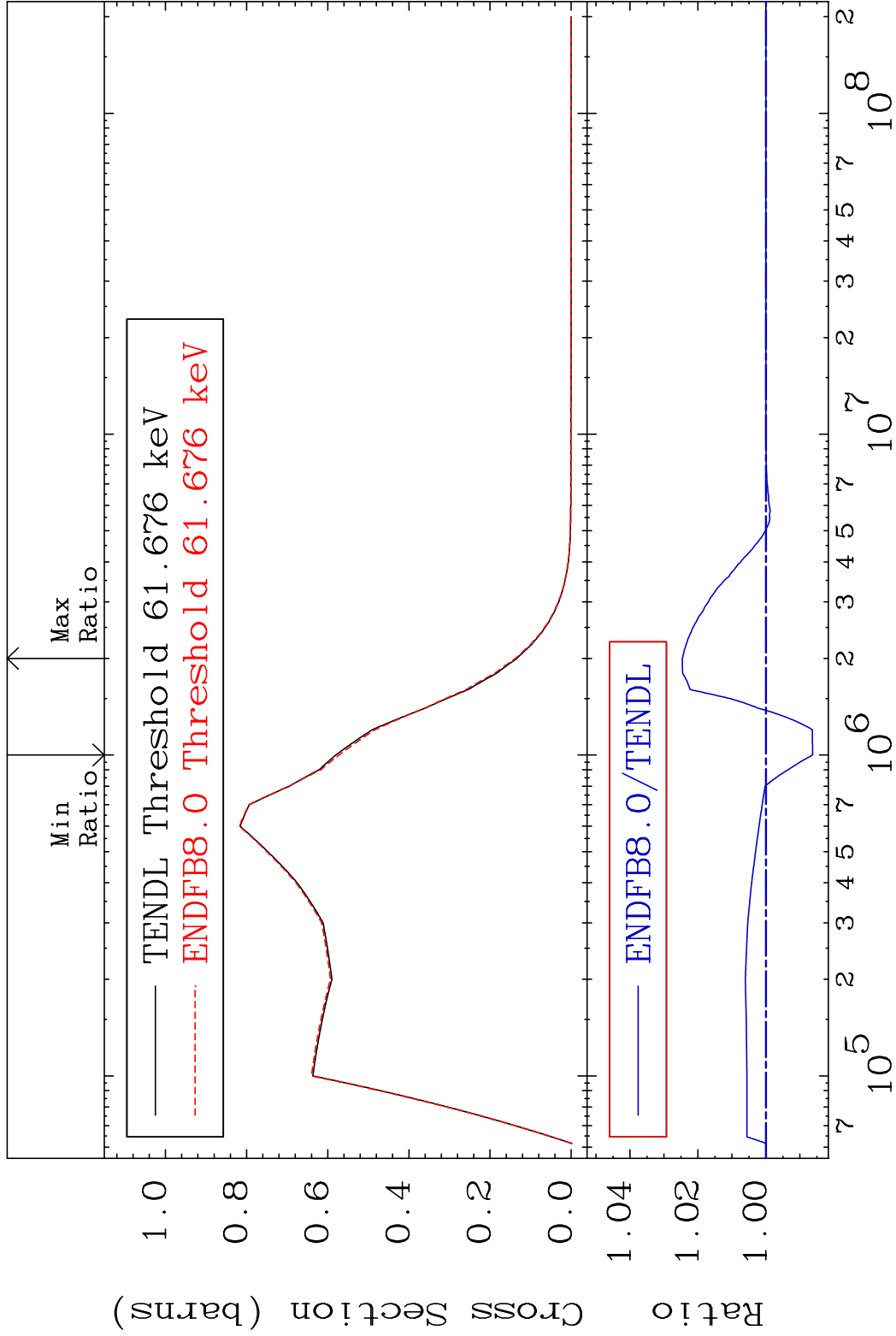




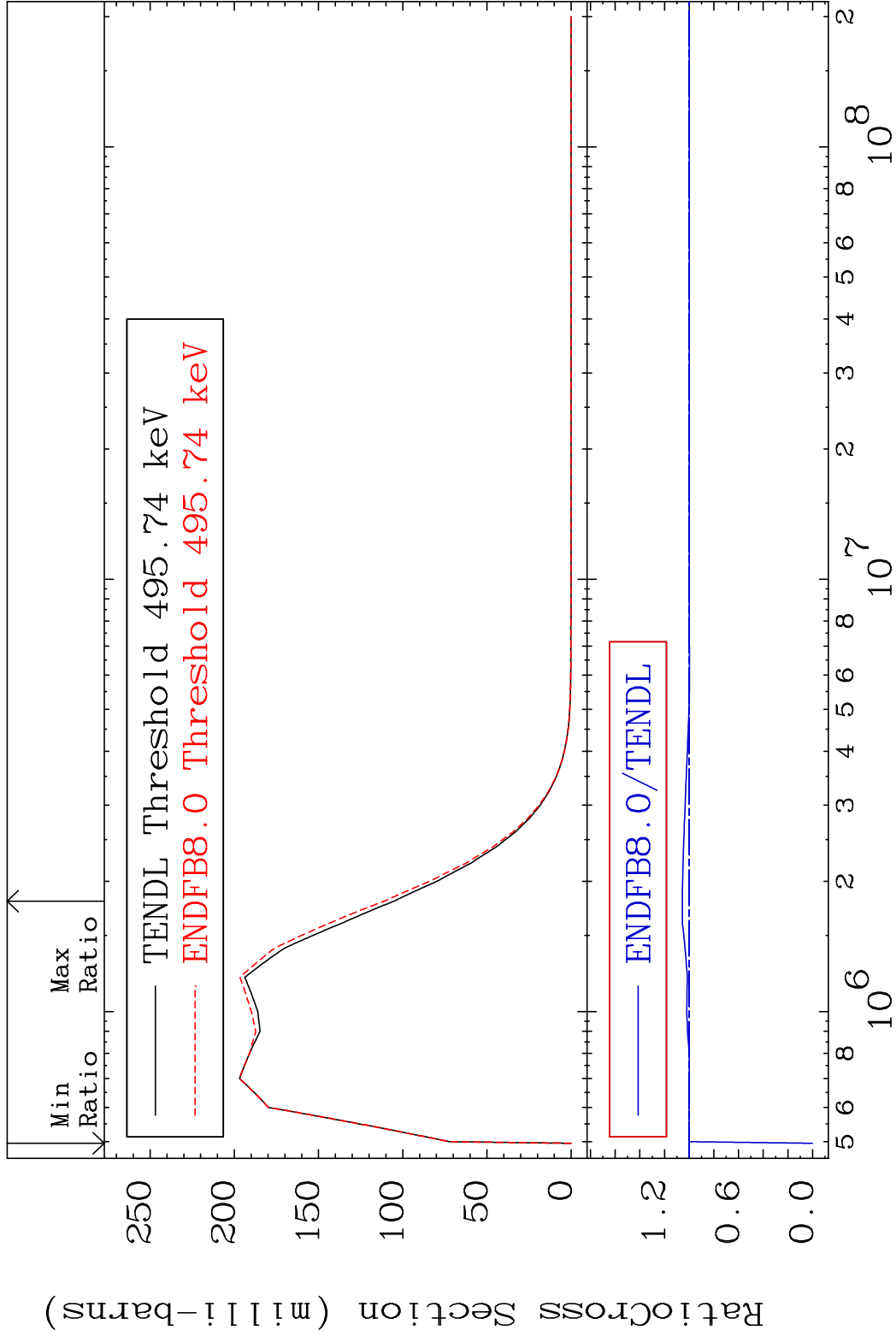




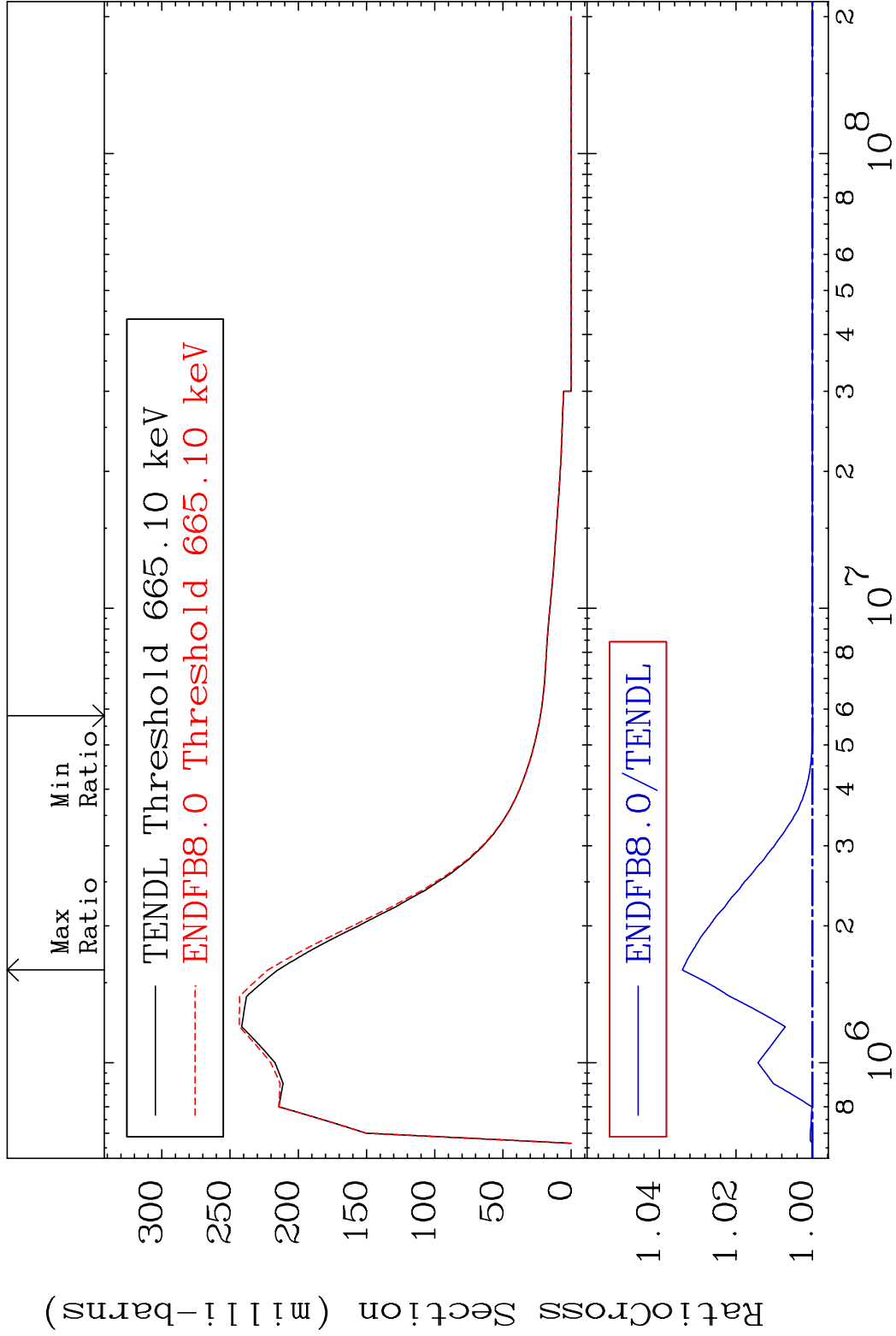
MAT 6143 MT= 51 (n,n') Level 61-Pm-145
Cross Section -1.372 To 2.458 %

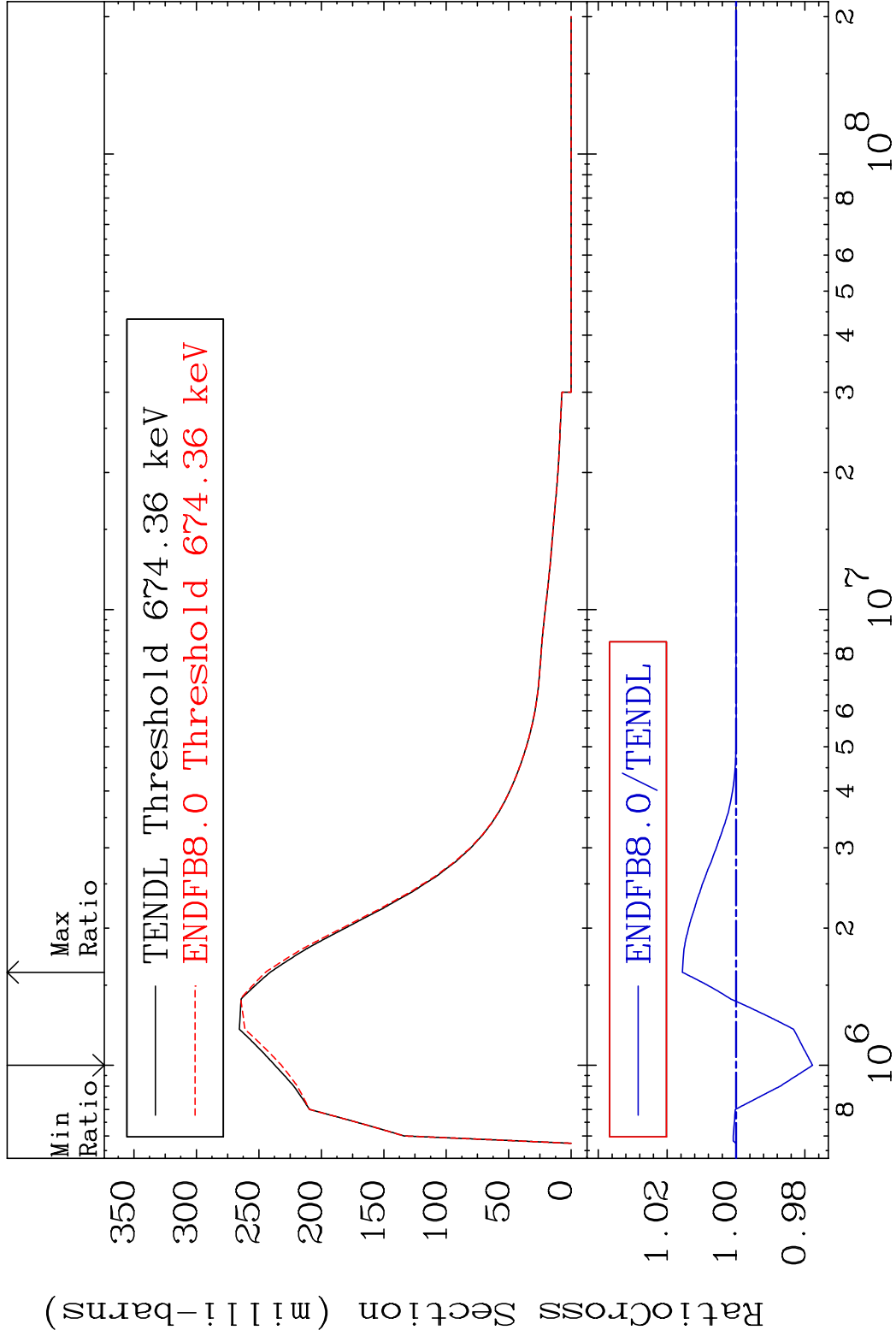


MAT 6143 MT= 52 (n,n') Level 61-Pm-145
 Cross Section -100.0 To 5.549 %

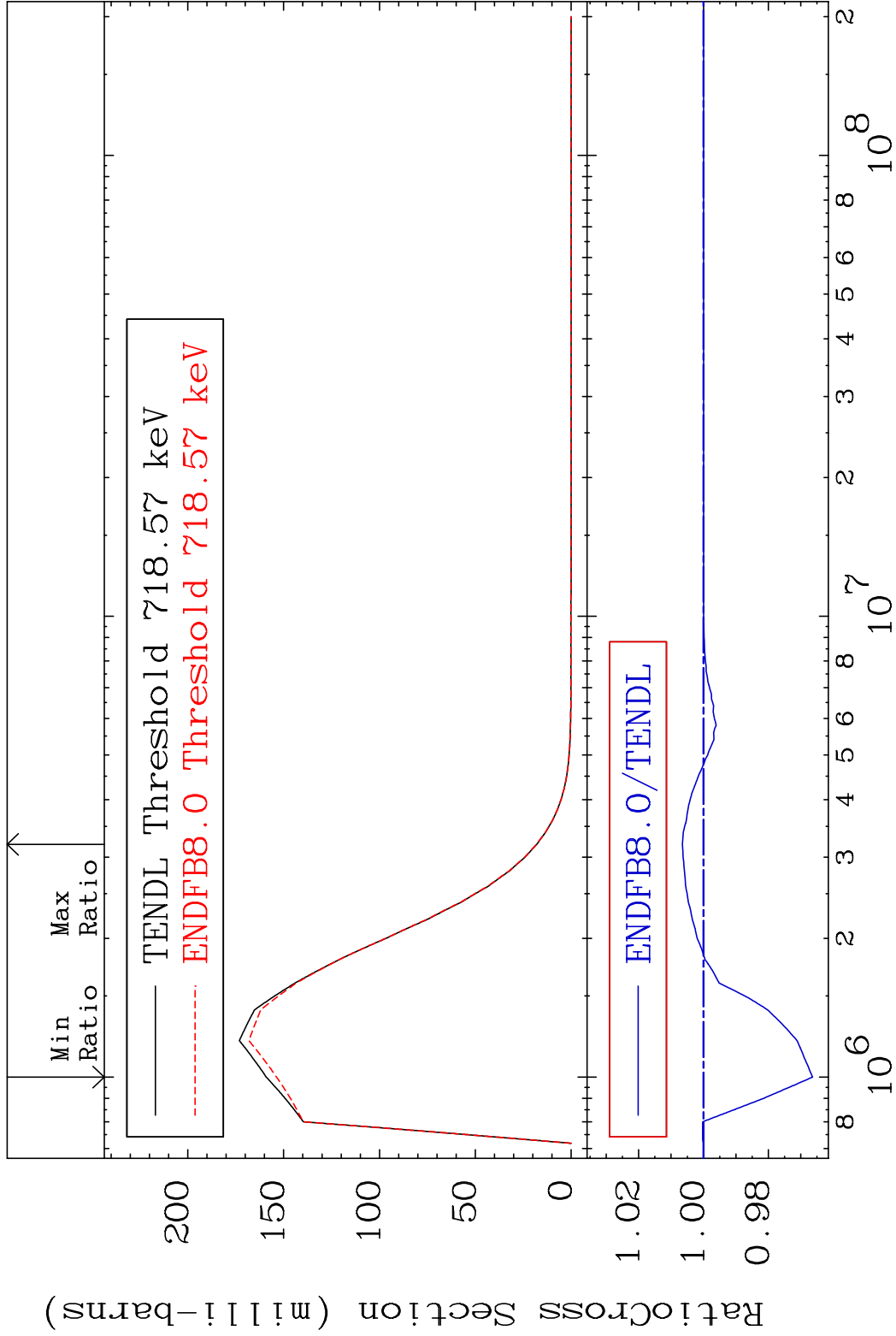


MAT 6143 MT= 53 (n,n') Level 61-Pm-145
 Cross Section -0.005 To 3.399 %

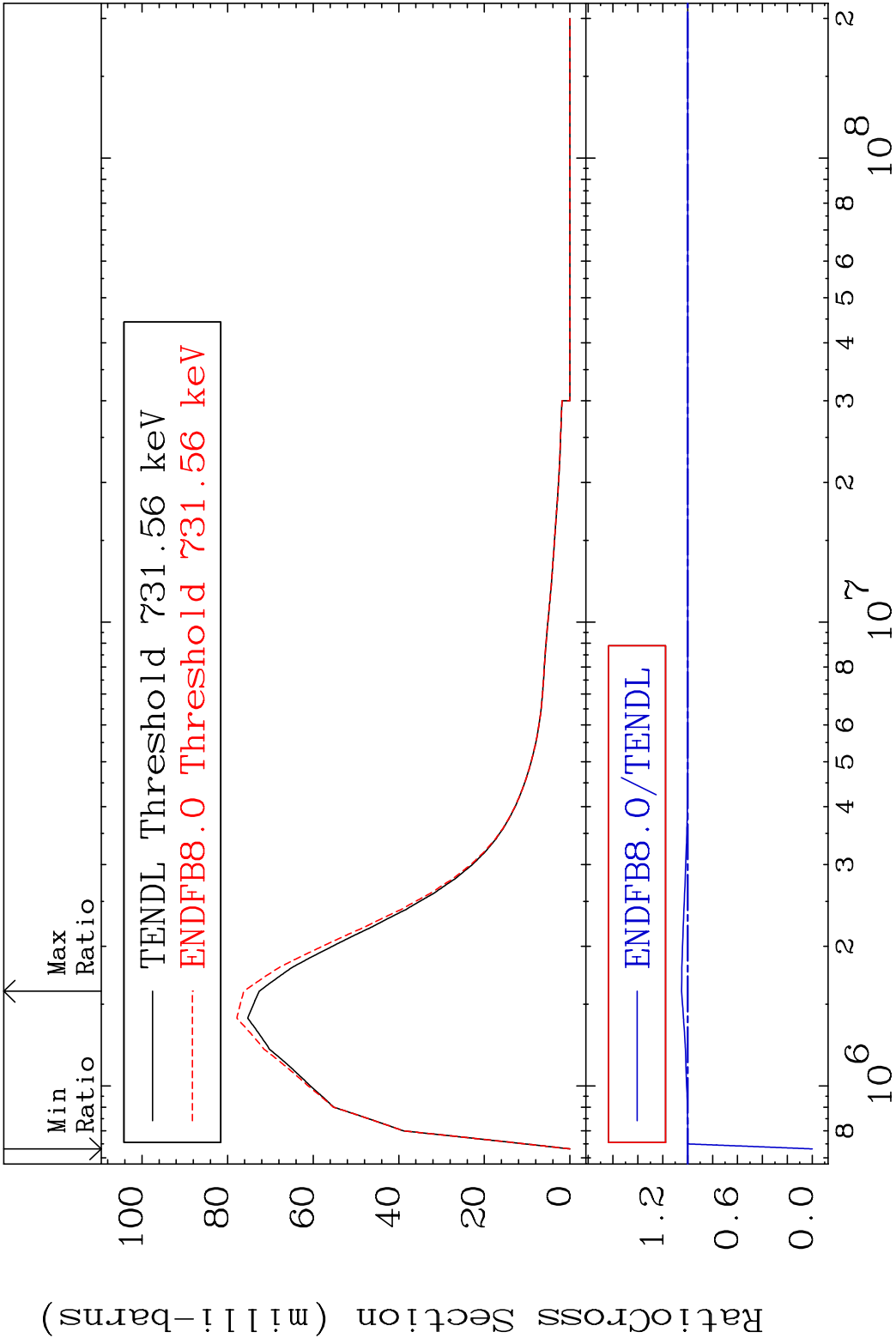




MAT 6143 MT= 55 (n,n') Level 61-Pm-145
Cross Section -3.368 To 0.653 %



MAT 6143 MT= 56 (n,n') Level 61-Pm-145
 Cross Section -100.0 To 4.956 %



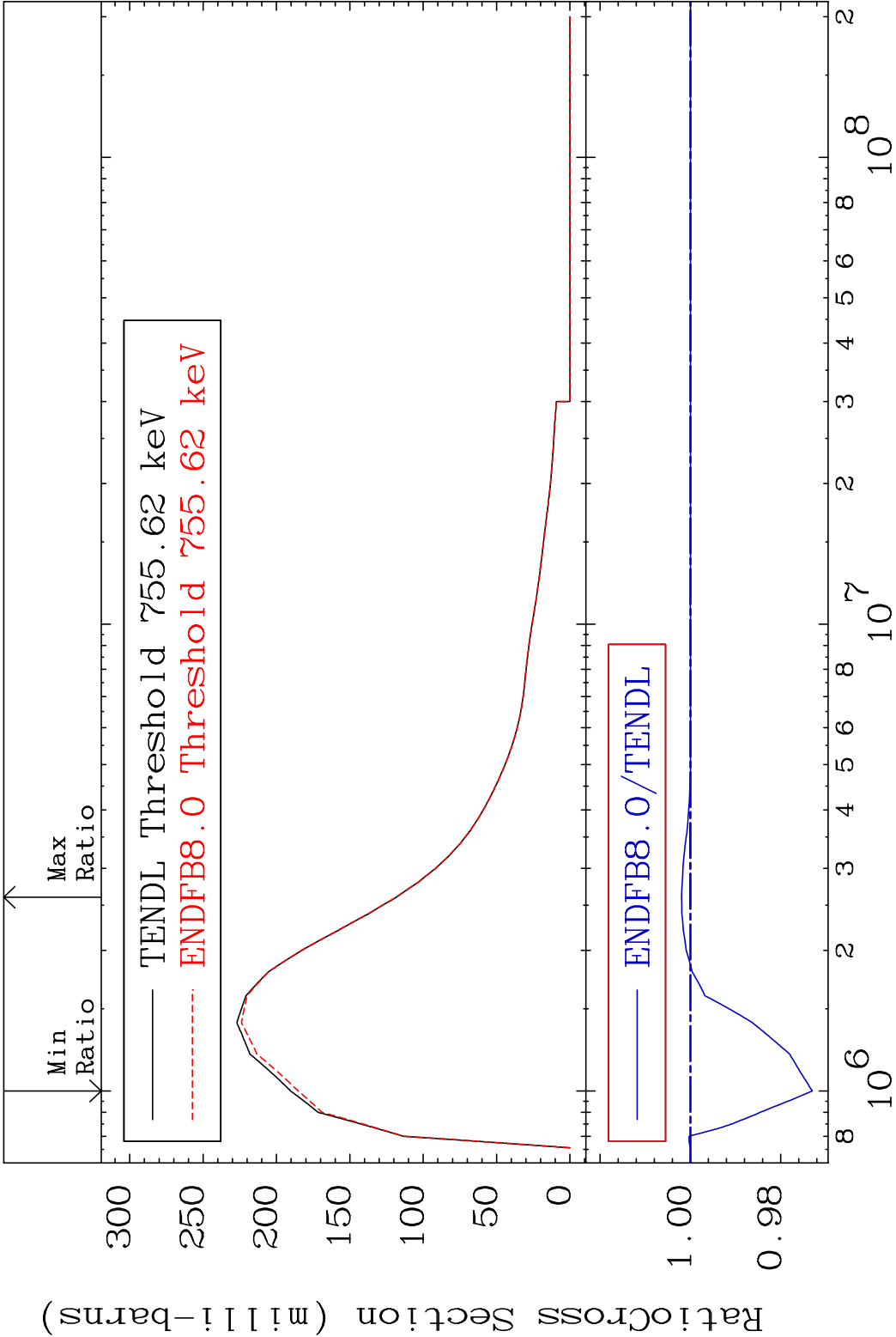
MAT 6143

MT= 57 (n,n') Level

61-Pm-145

Cross Section

-2.697 To 0.196 %



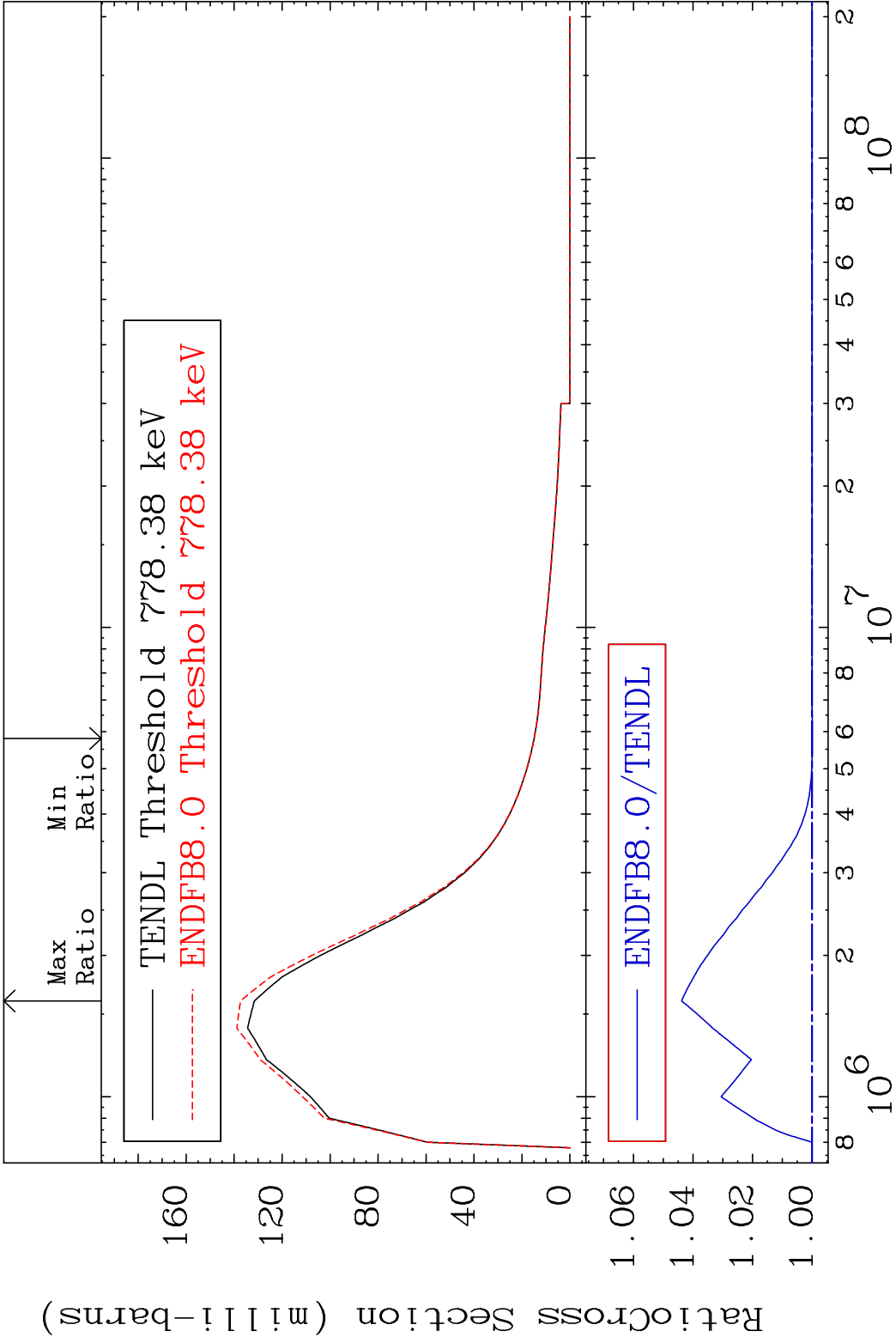
MAT 6143

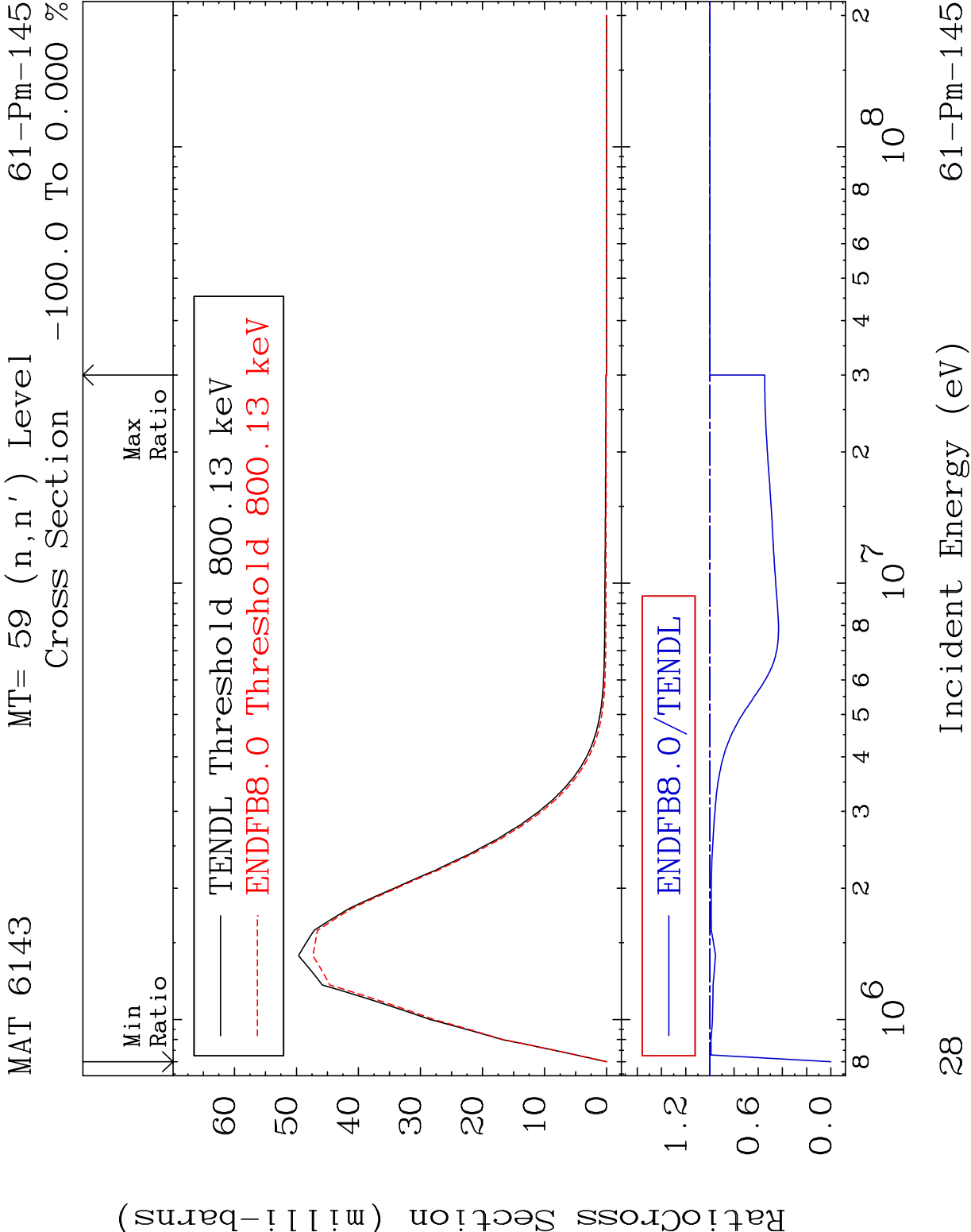
MT= 58 (n,n') Level

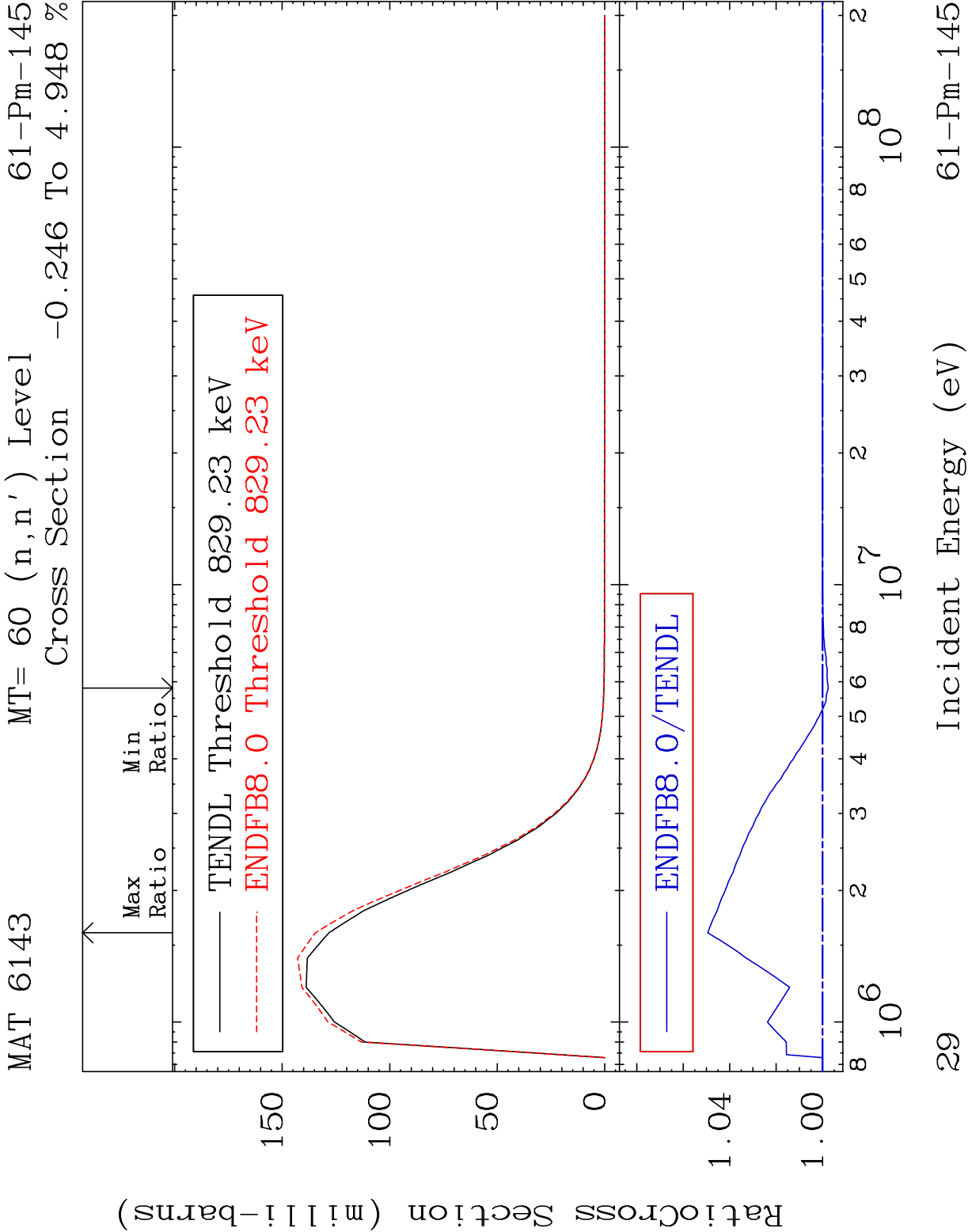
61-Pm-145

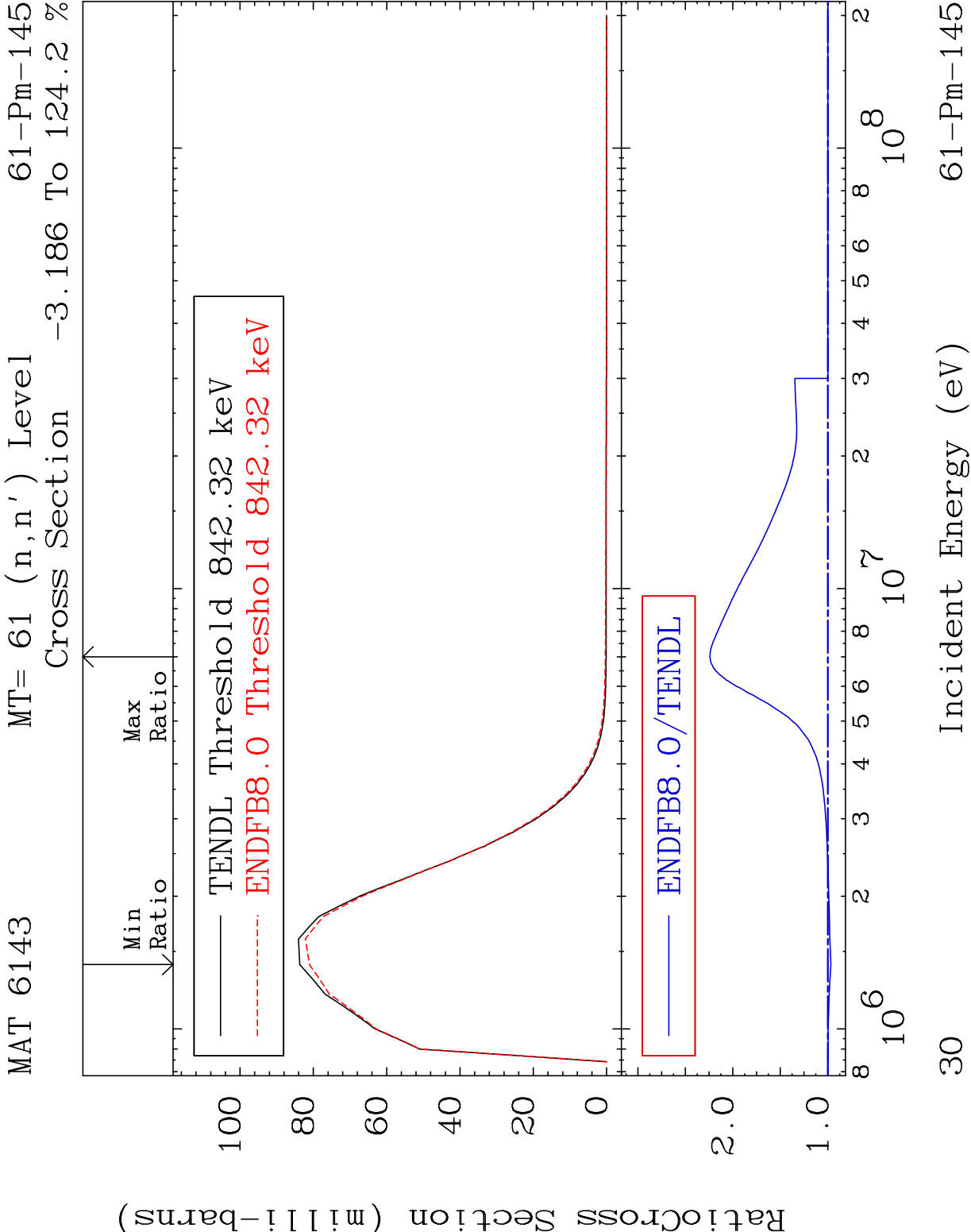
Cross Section

-0.005 To 4.383 %

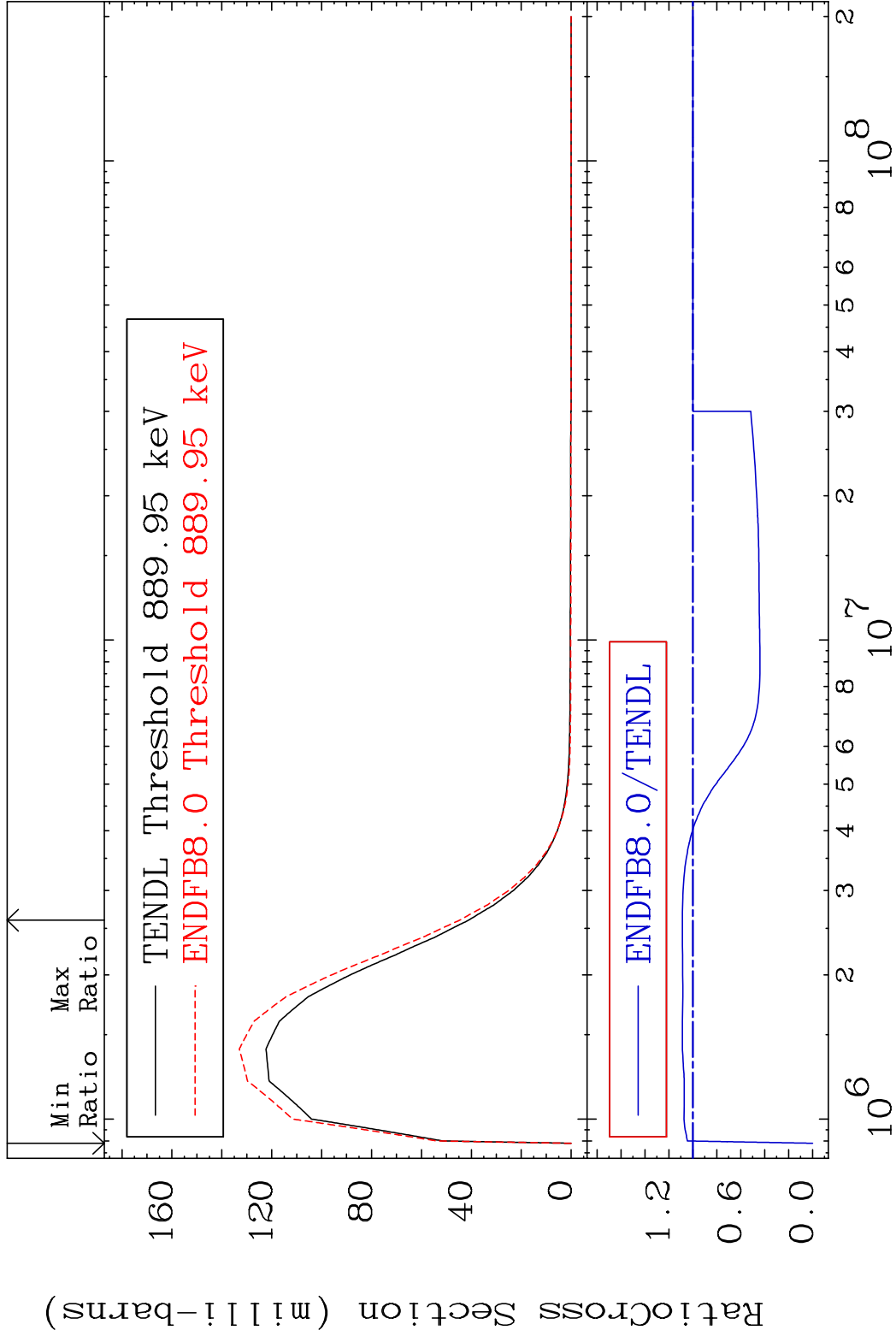




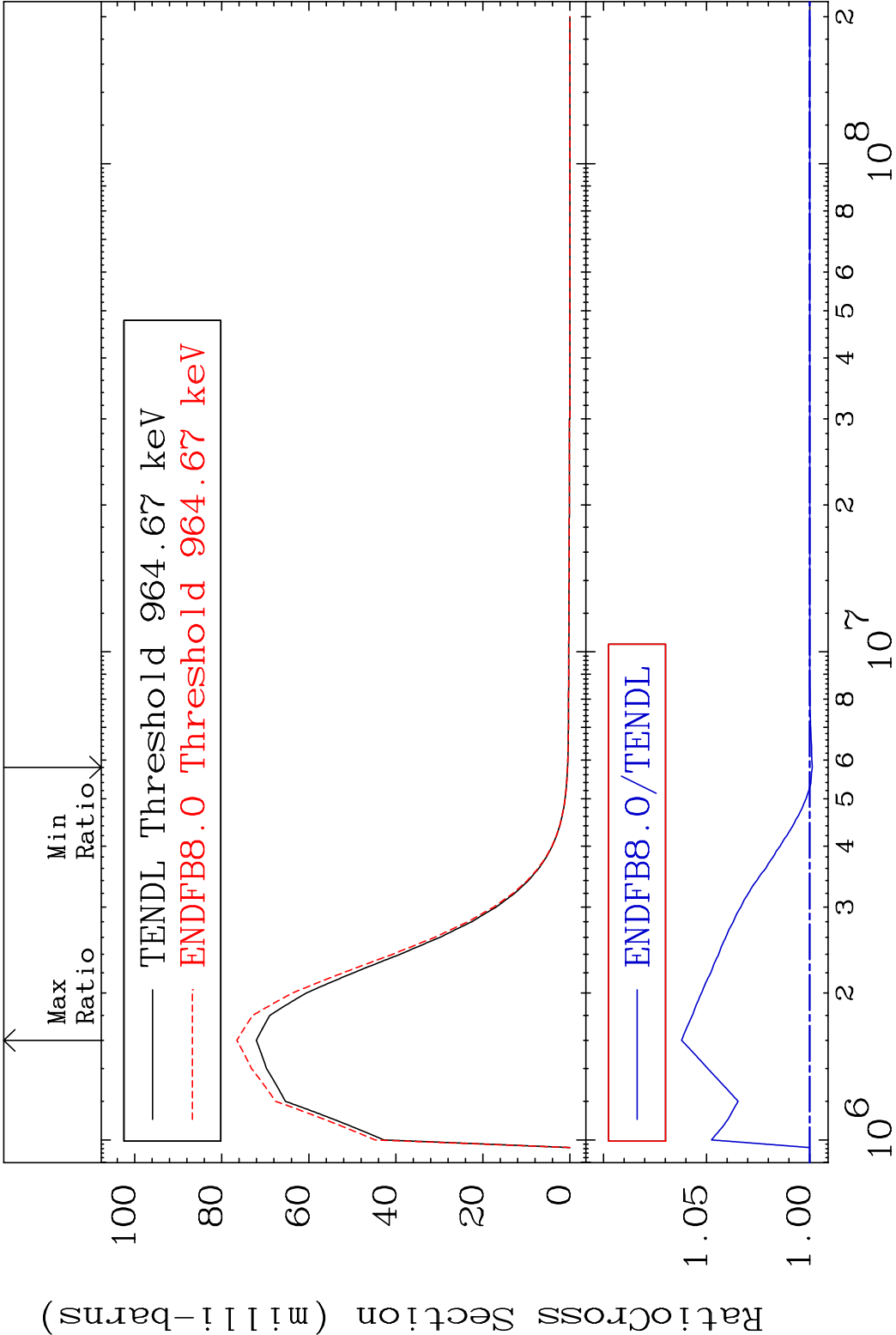




MAT 6143 MT= 62 (n,n') Level 61-Pm-145
Cross Section -100.0 To 8.752 %



MAT 6143 MT= 63 (n,n') Level 61-Pm-145
Cross Section -0.124 To 6.214 %



32 Incident Energy (eV) 61-Pm-145

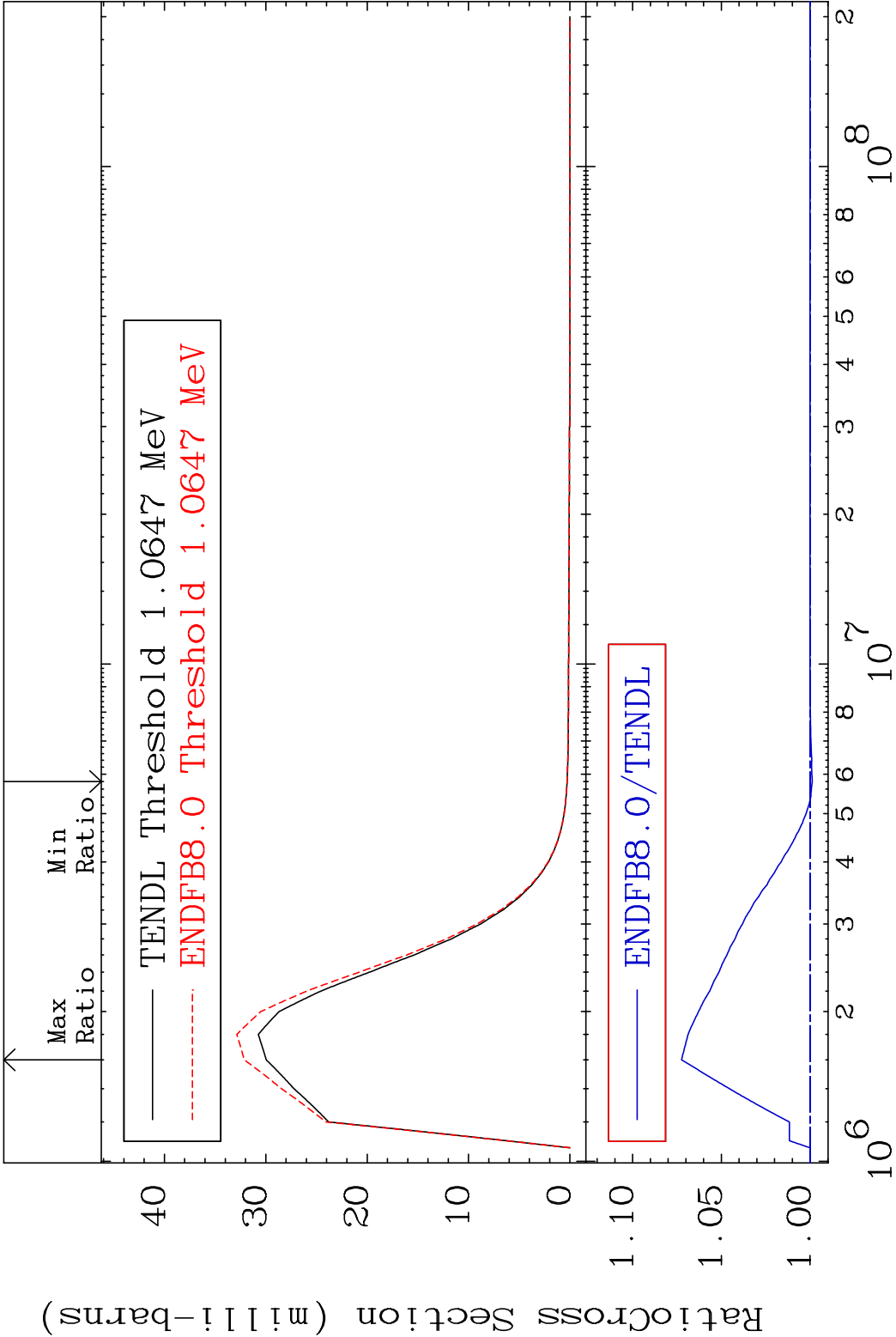
MAT 6143

MT= 64 (n,n') Level

61-Pm-145

Cross Section

-0.122 To 7.244 %



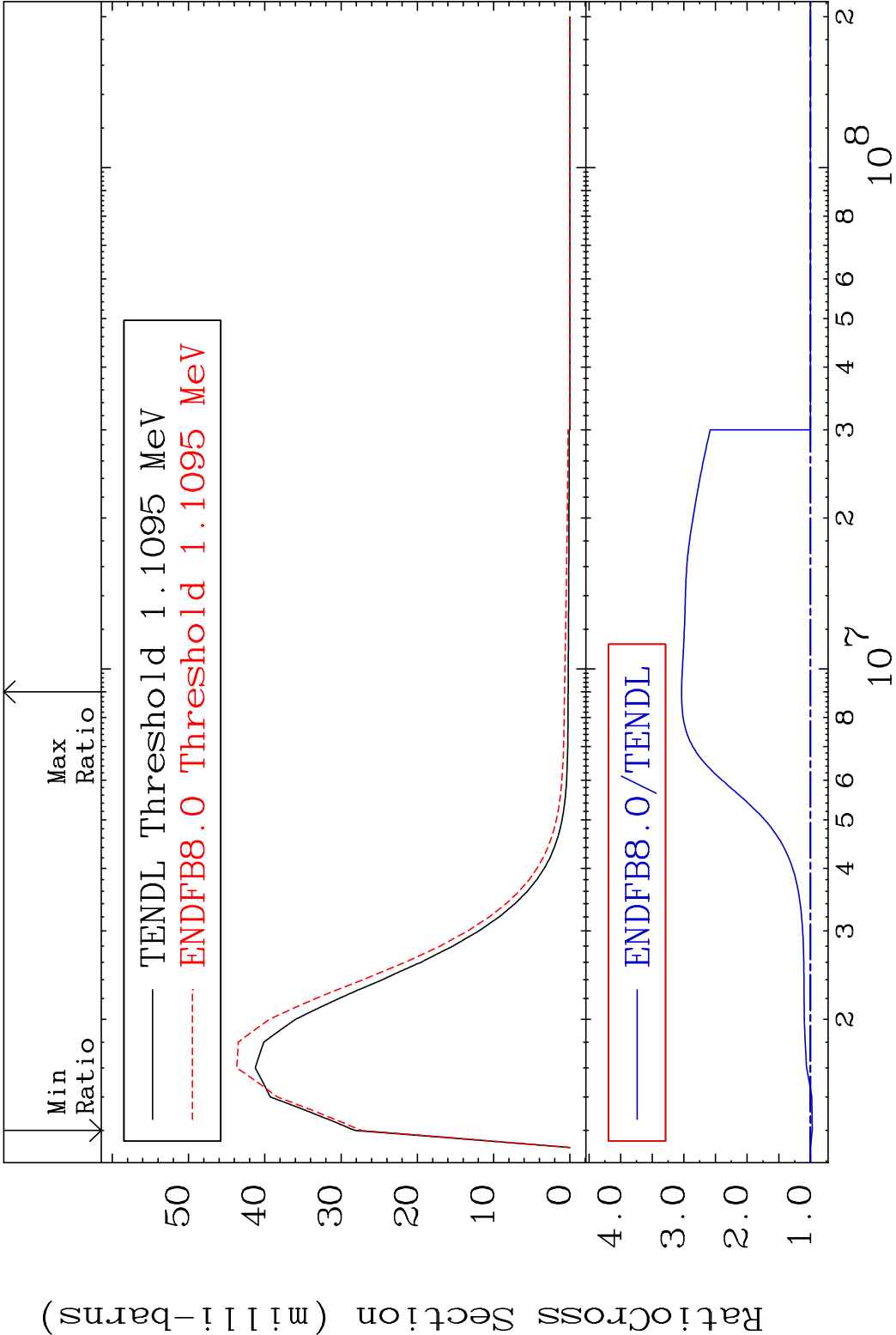
MAT 6143

MT= 65 (n,n') Level

61-Pm-145

Cross Section

-2.948 To 203.8 %

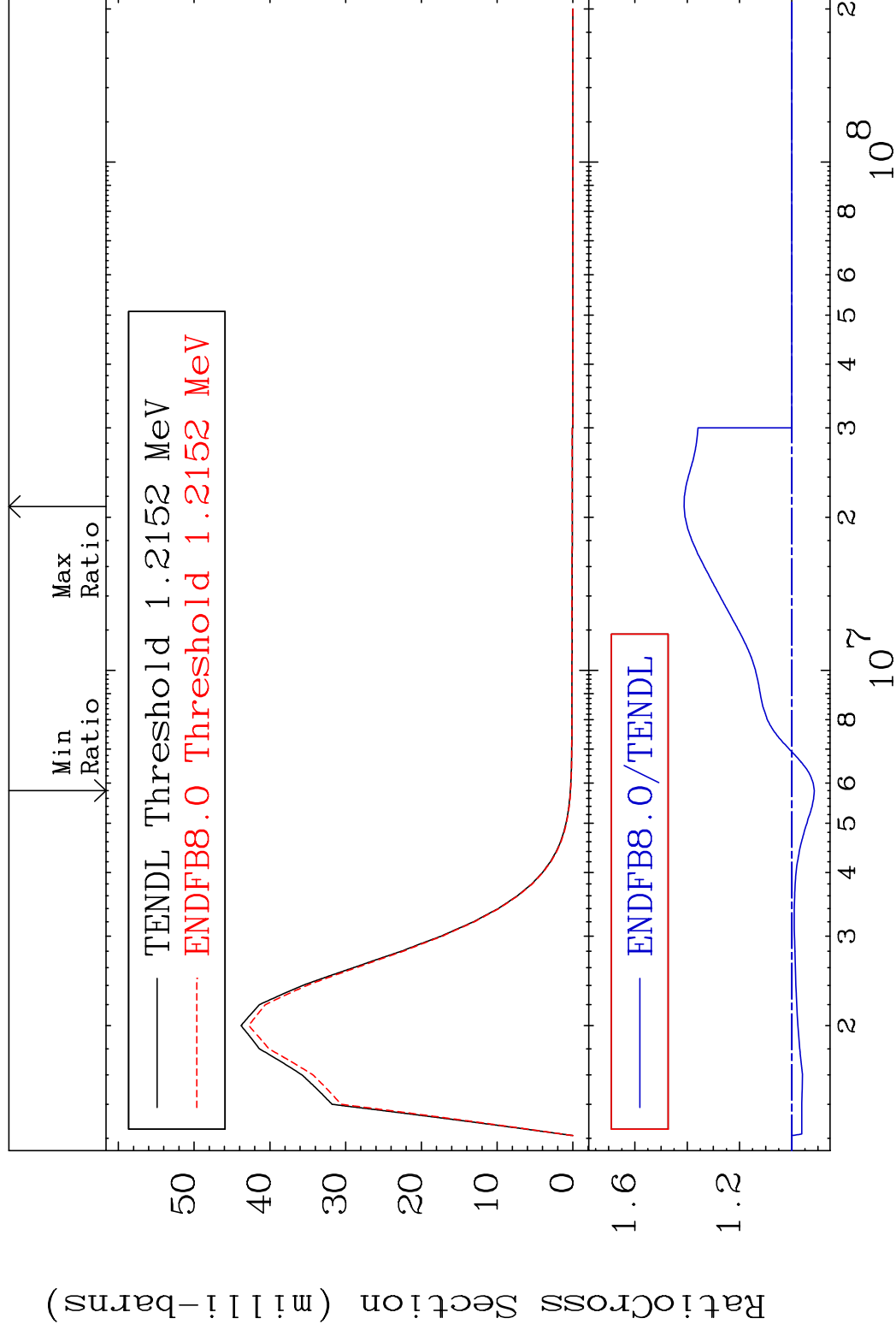


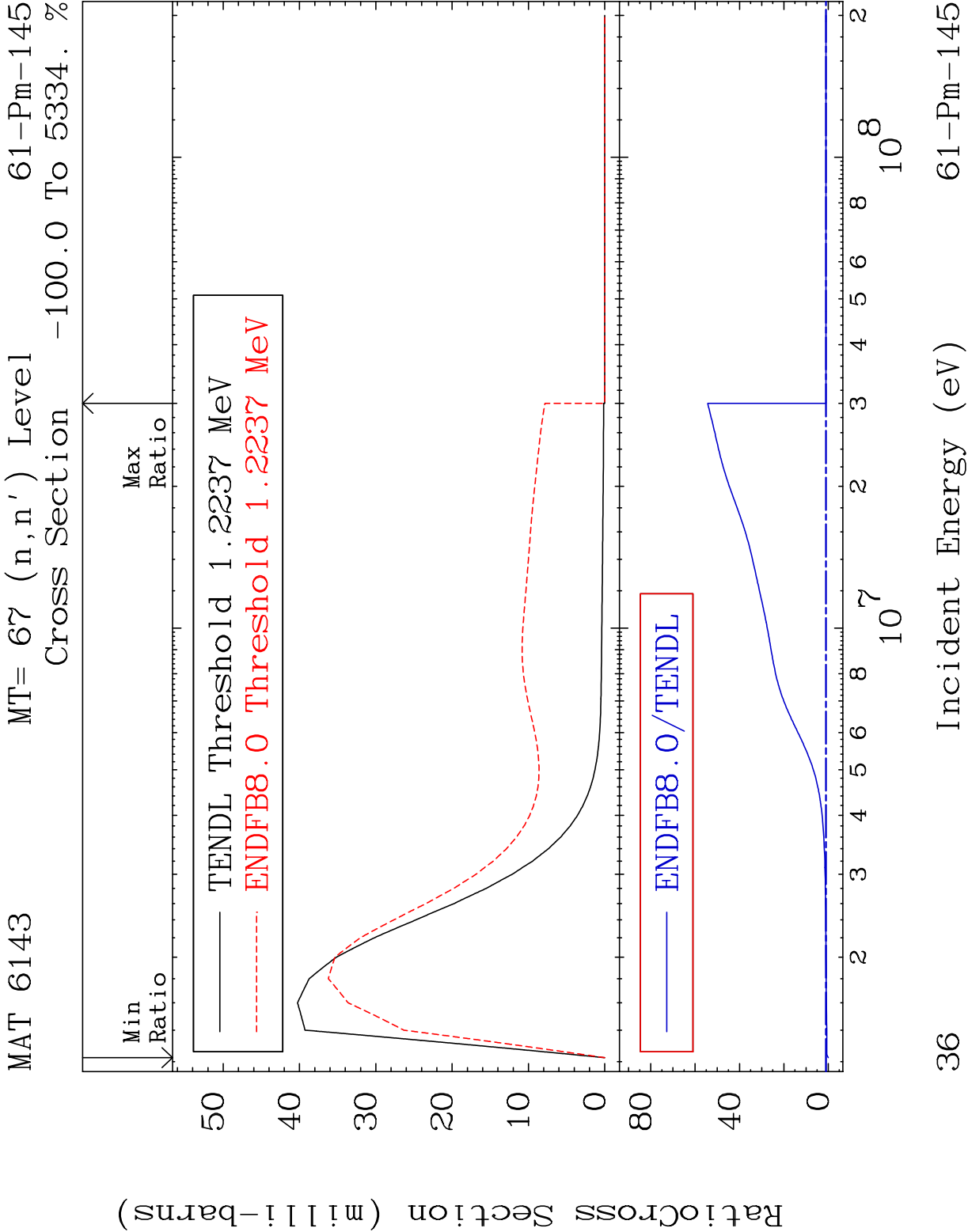
MAT 6143

MT= 66 (n, n') Level

61-Pm-145

Cross Section -8.572 To 41.19 %





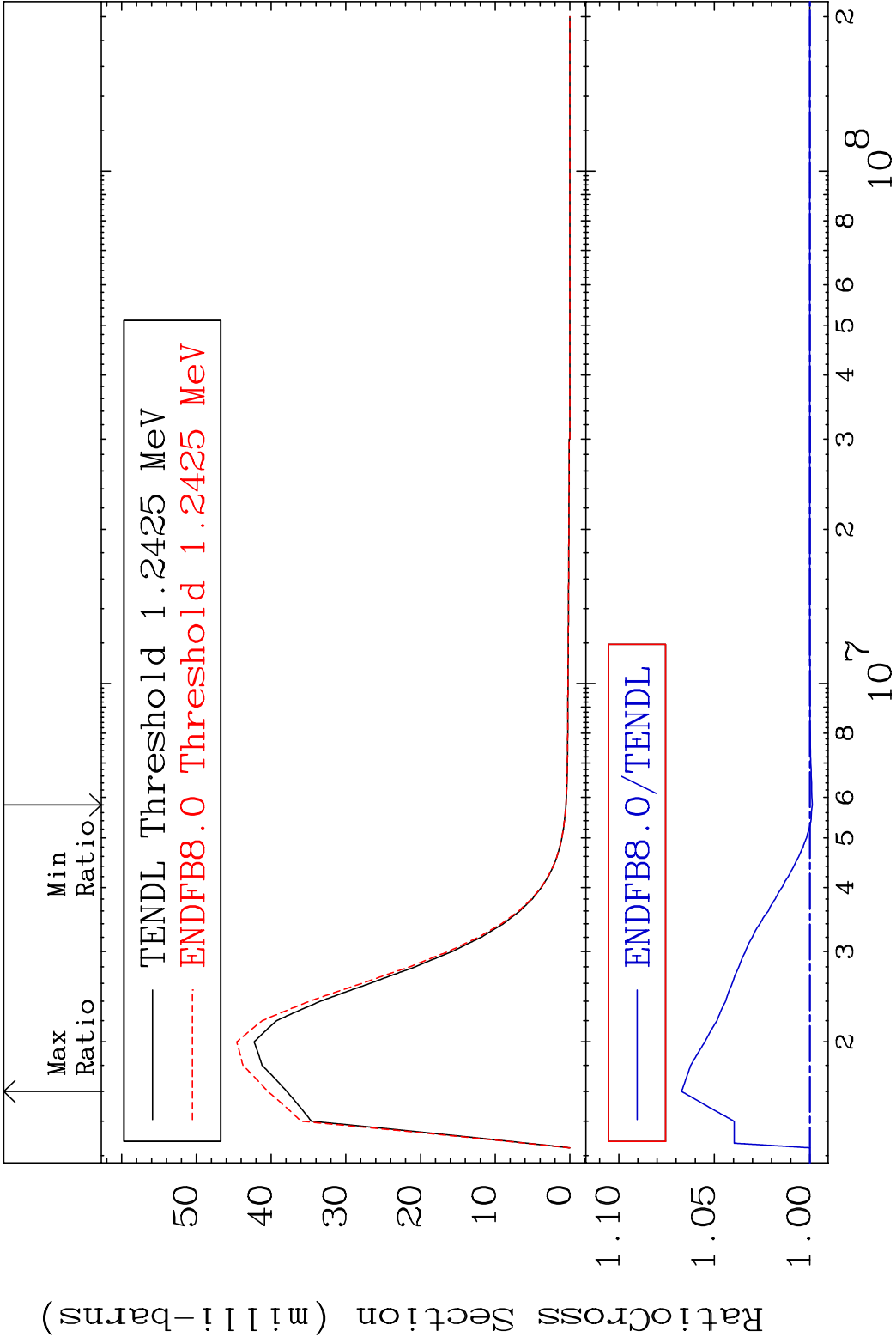
MAT 6143

MT= 68 (n,n') Level

61-Pm-145

Cross Section

-0.124 To 6.715 %



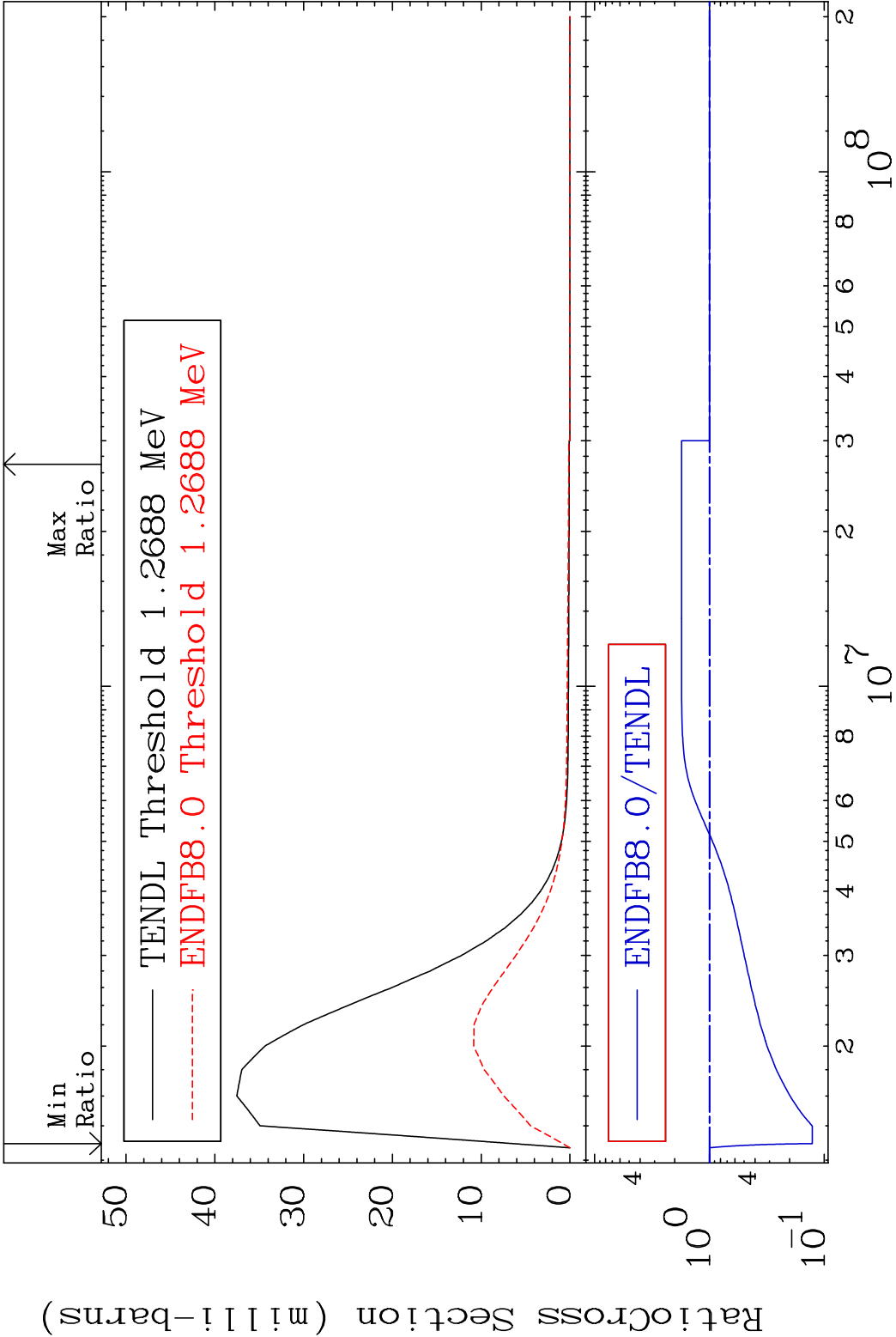
MAT 6143

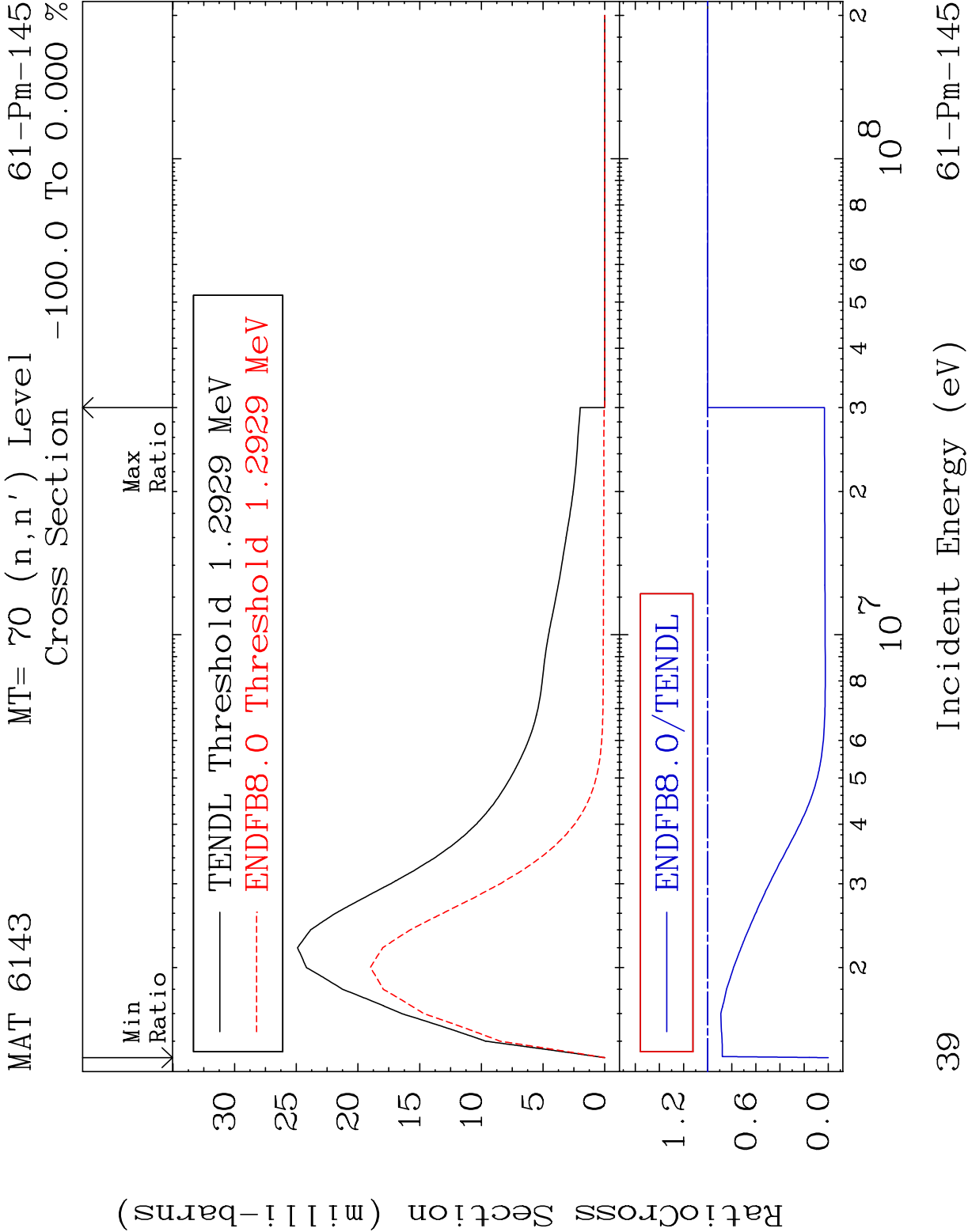
MT= 69 (n,n') Level

61-Pm-145

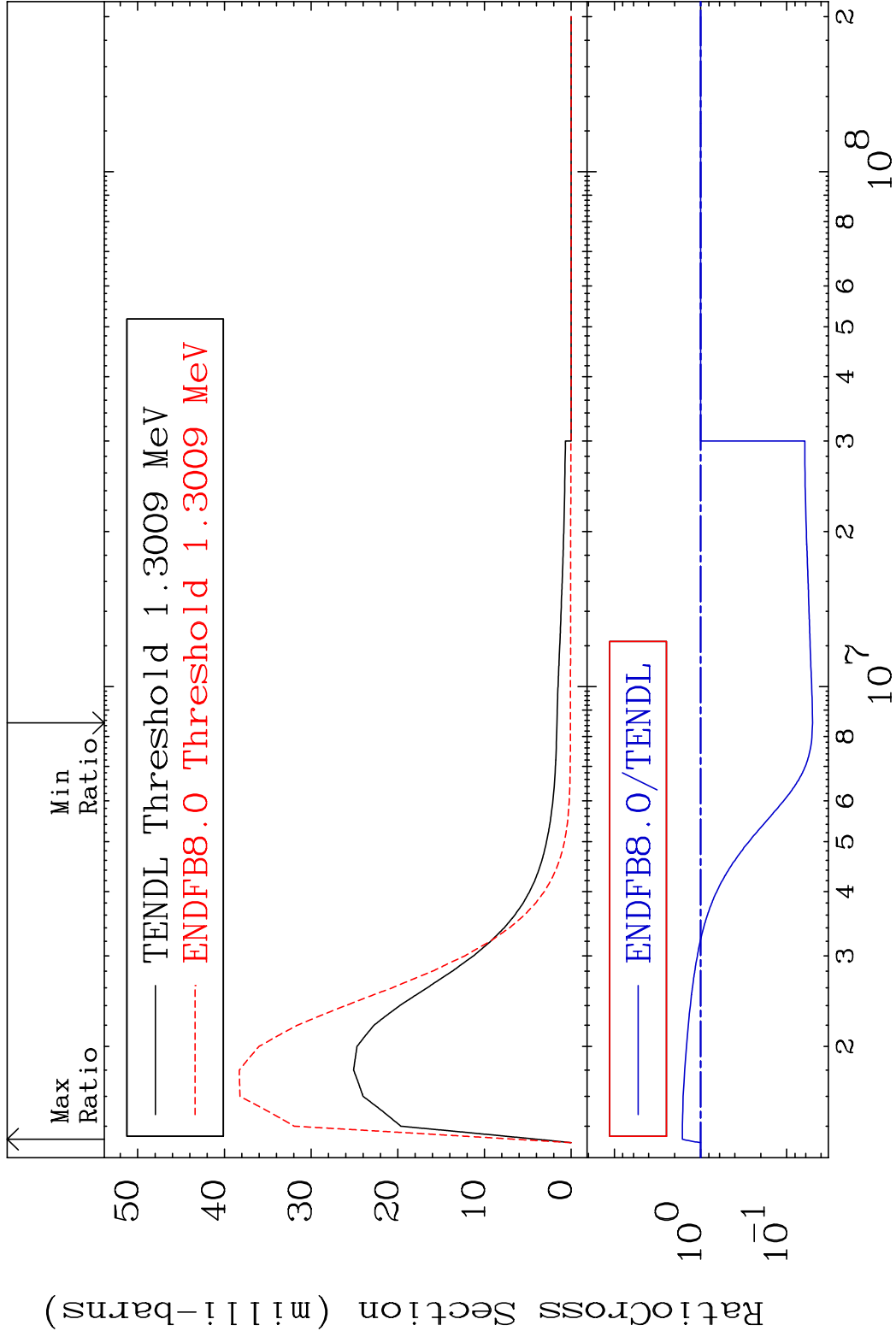
Cross Section

-87.27 To 74.79 %





MAT 6143 MT= 71 (n,n') Level 61-Pm-145
Cross Section -94.99 To 62.58 %



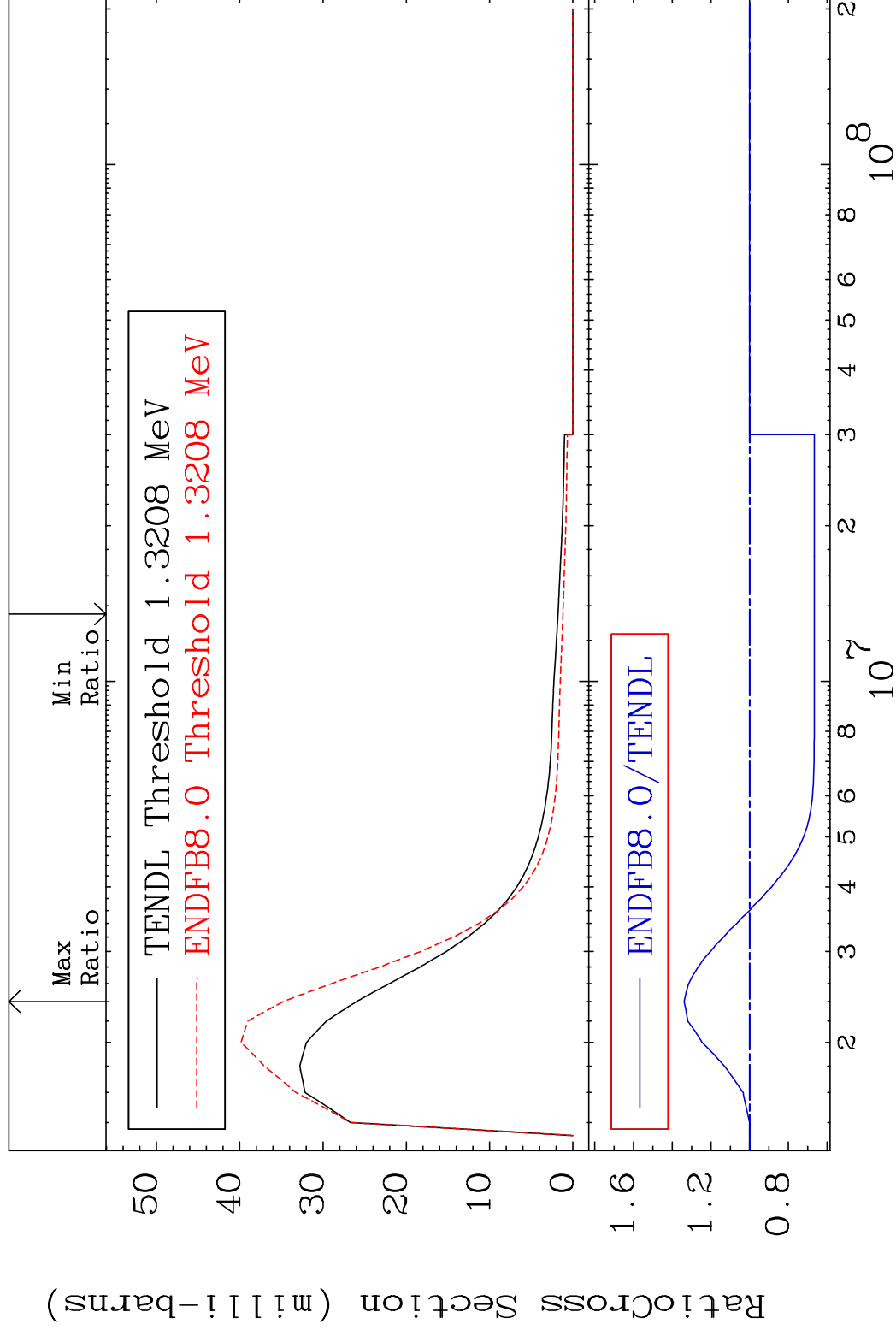
40 Incident Energy (eV) 61-Pm-145

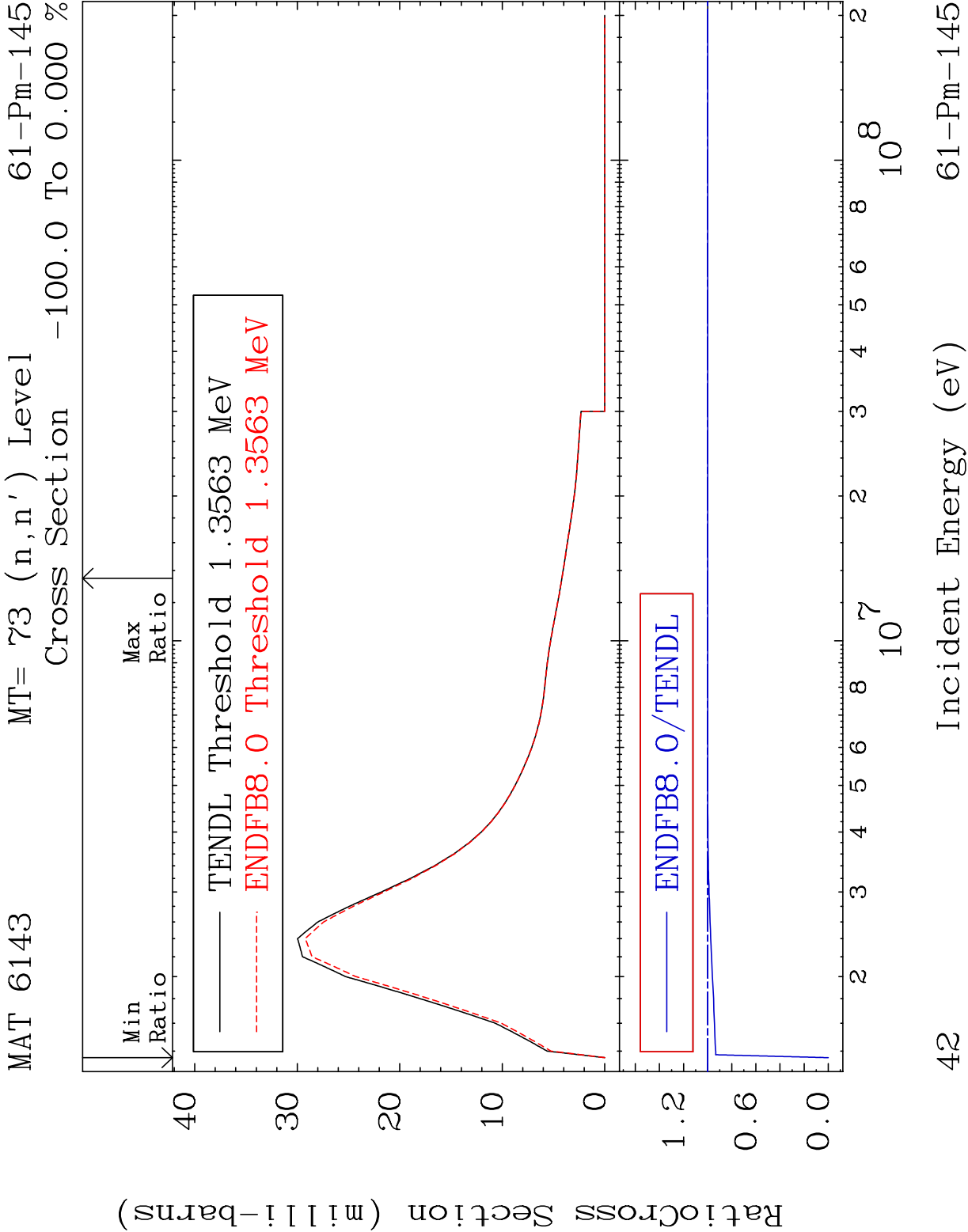
MAT 6143

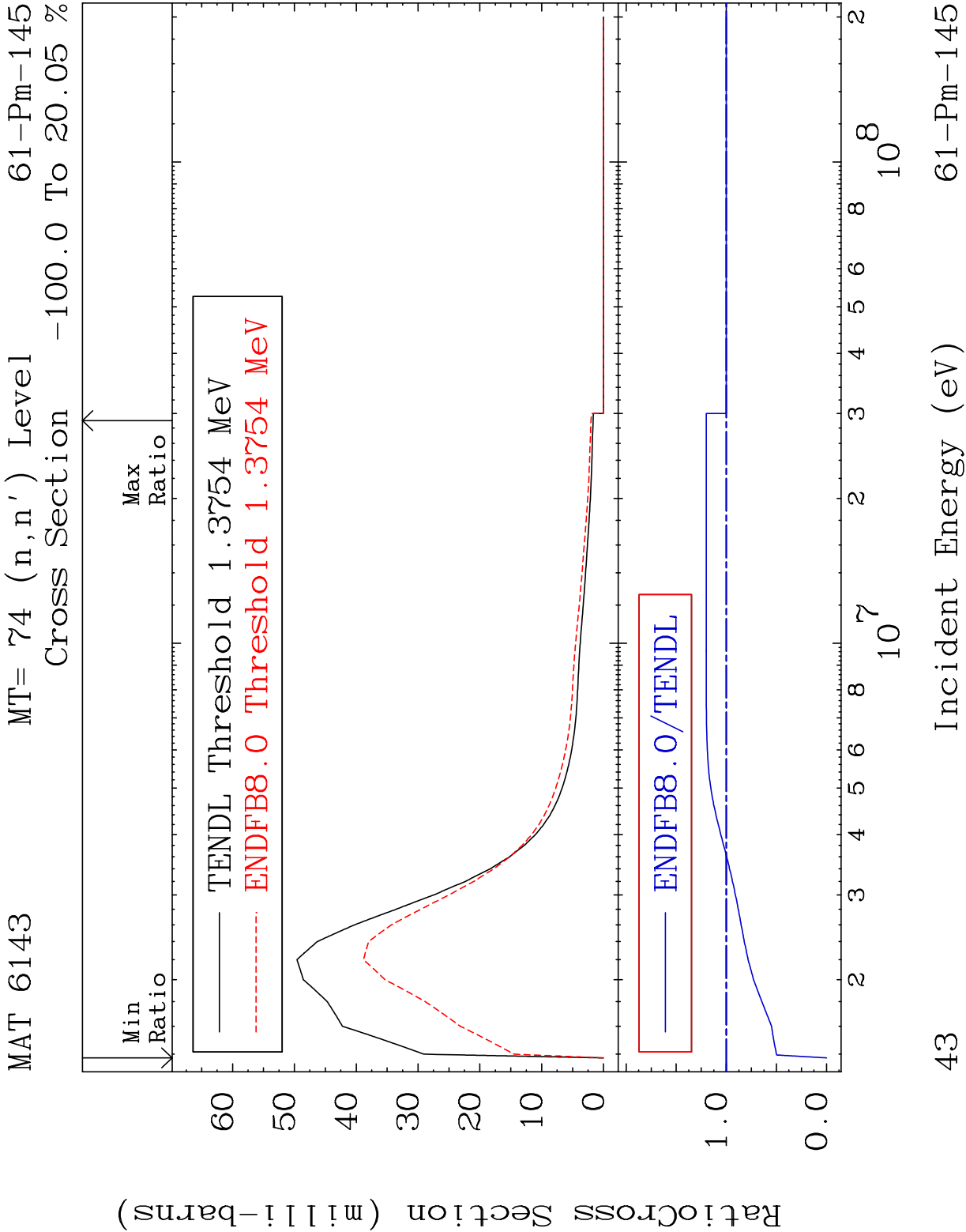
MT= 72 (n, n') Level

61-Pm-145

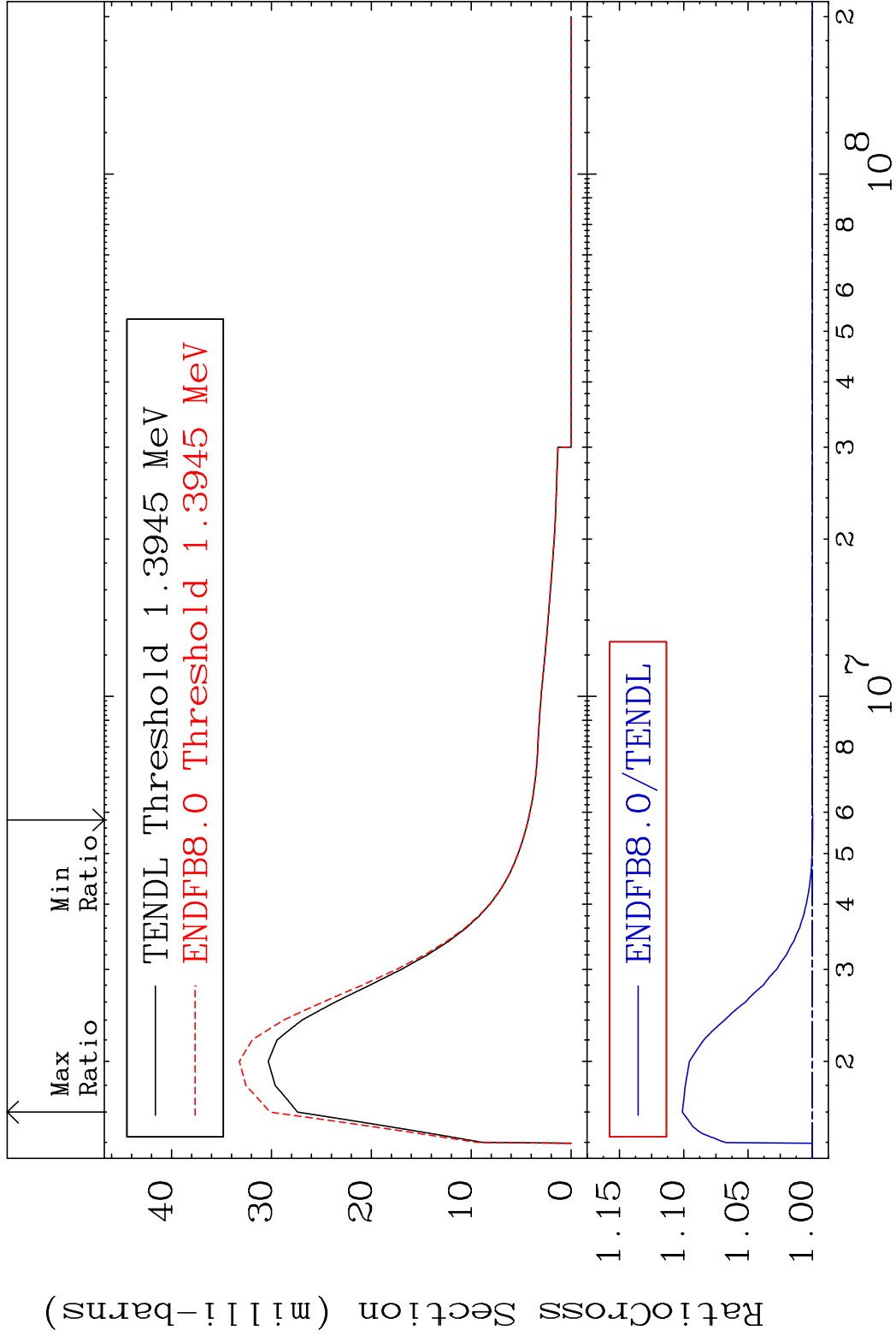
Cross Section -33.35 To 33.87 %



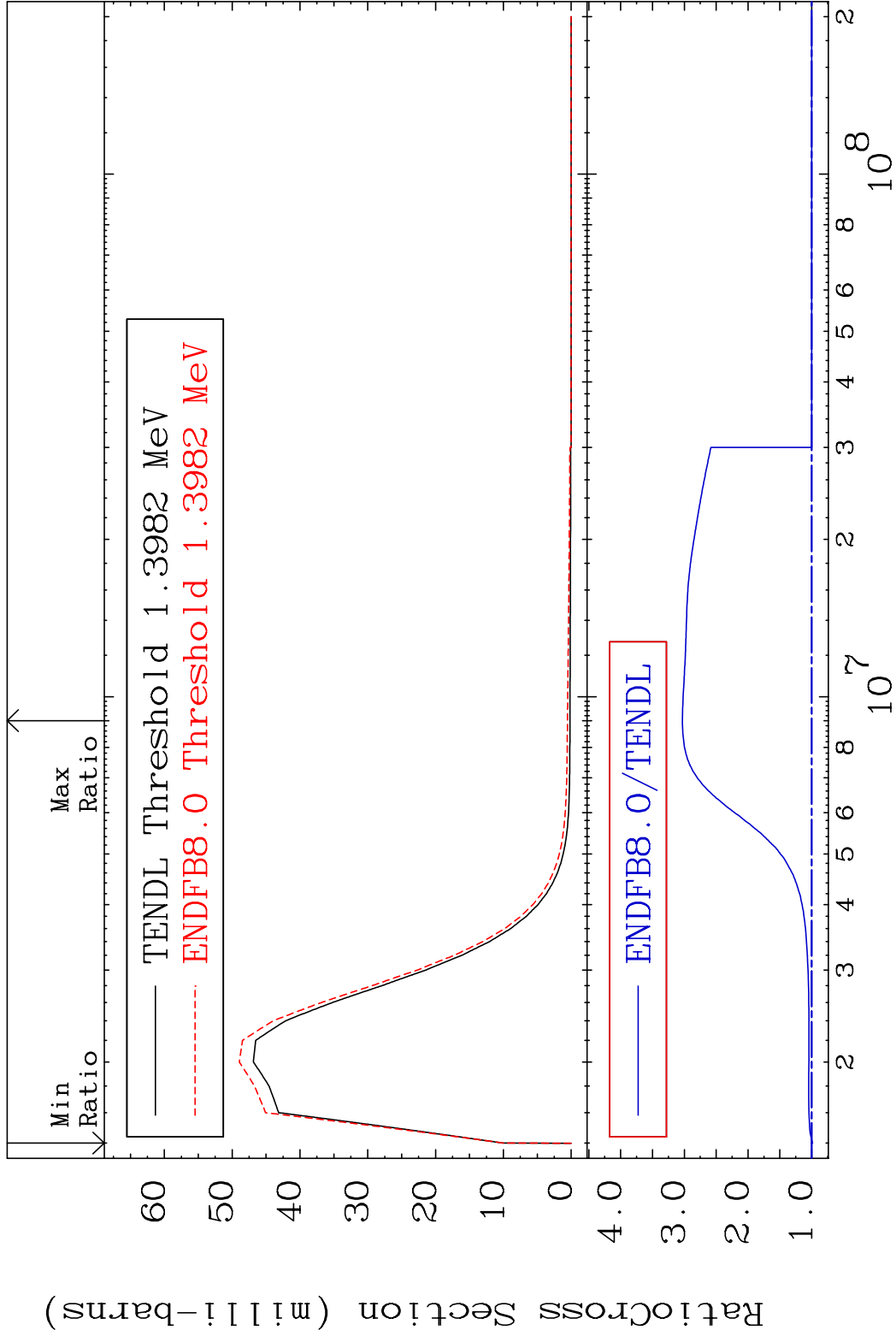




MAT 6143 MT= 75 (n,n') Level 61-Pm-145
Cross Section -0.023 To 10.10 %



MAT 6143 MT= 76 (n,n') Level 61-Pm-145
Cross Section -1.297 To 203.1 %



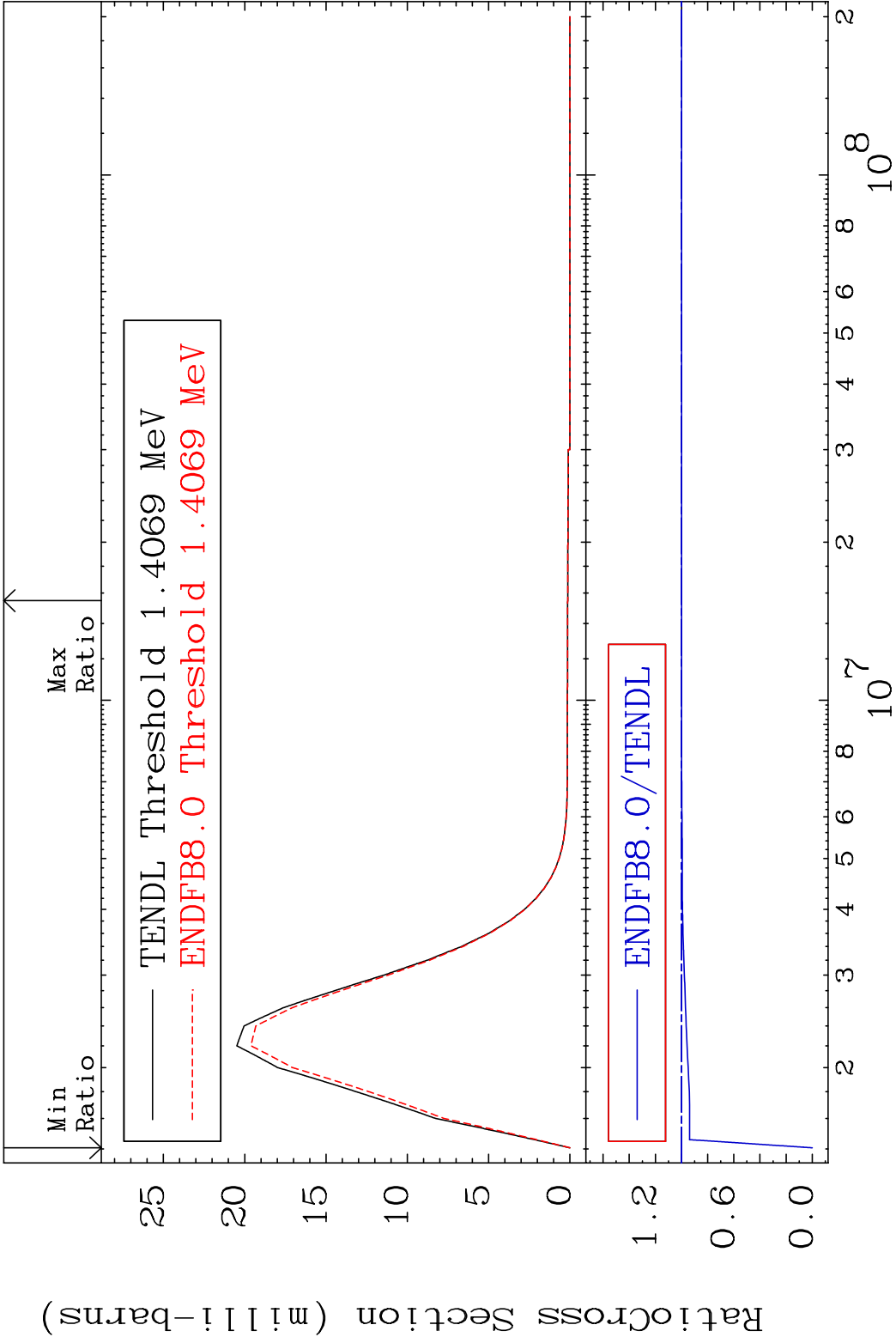
MAT 6143

MT= 77 (n,n') Level

61-Pm-145

Cross Section

-100.0 To 0.000 %

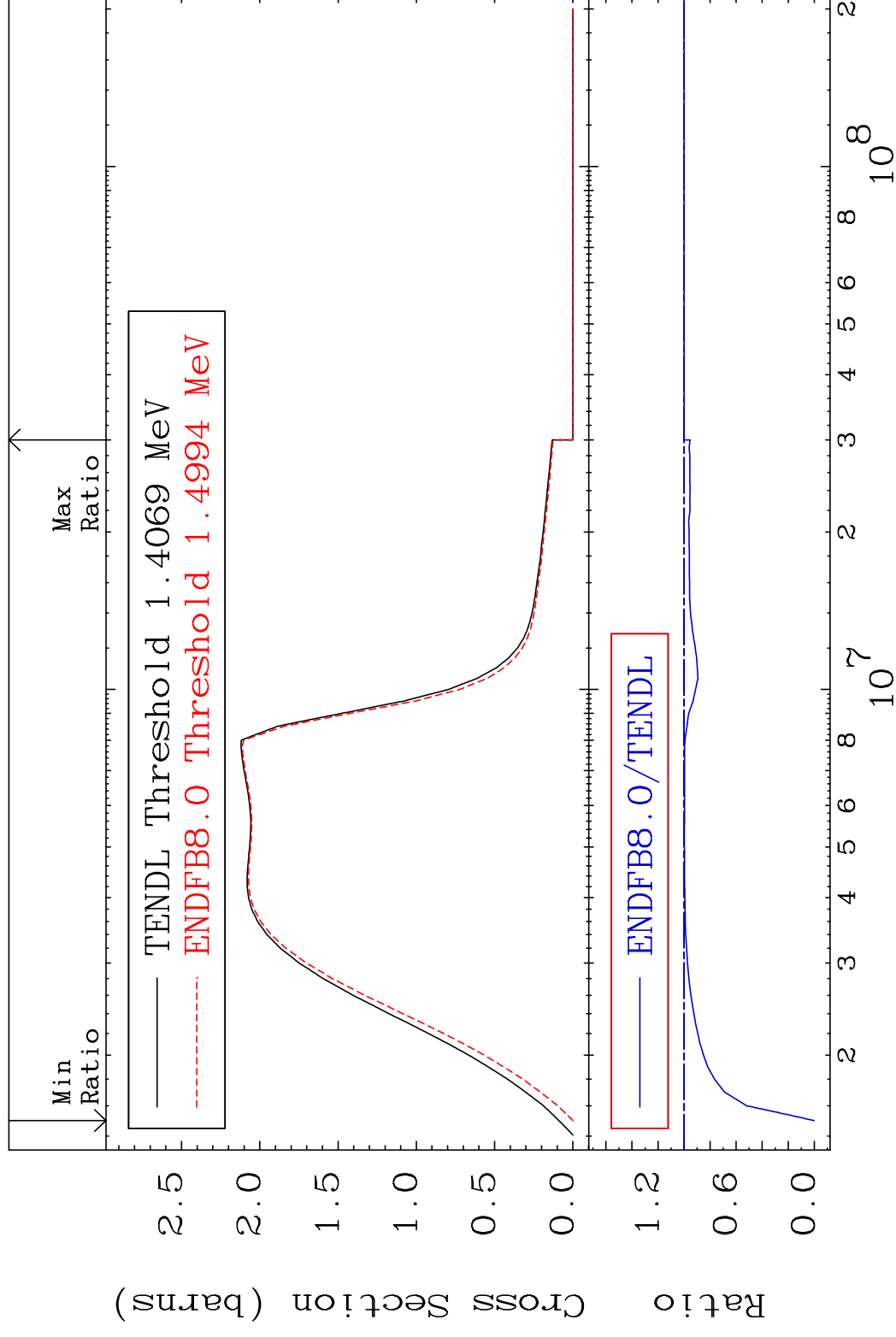


MAT 6143

(n, n') Continuum

61-Pm-145

Cross Section	-100.0 To 0.000 %



TENDL Threshold 1.4069 MeV

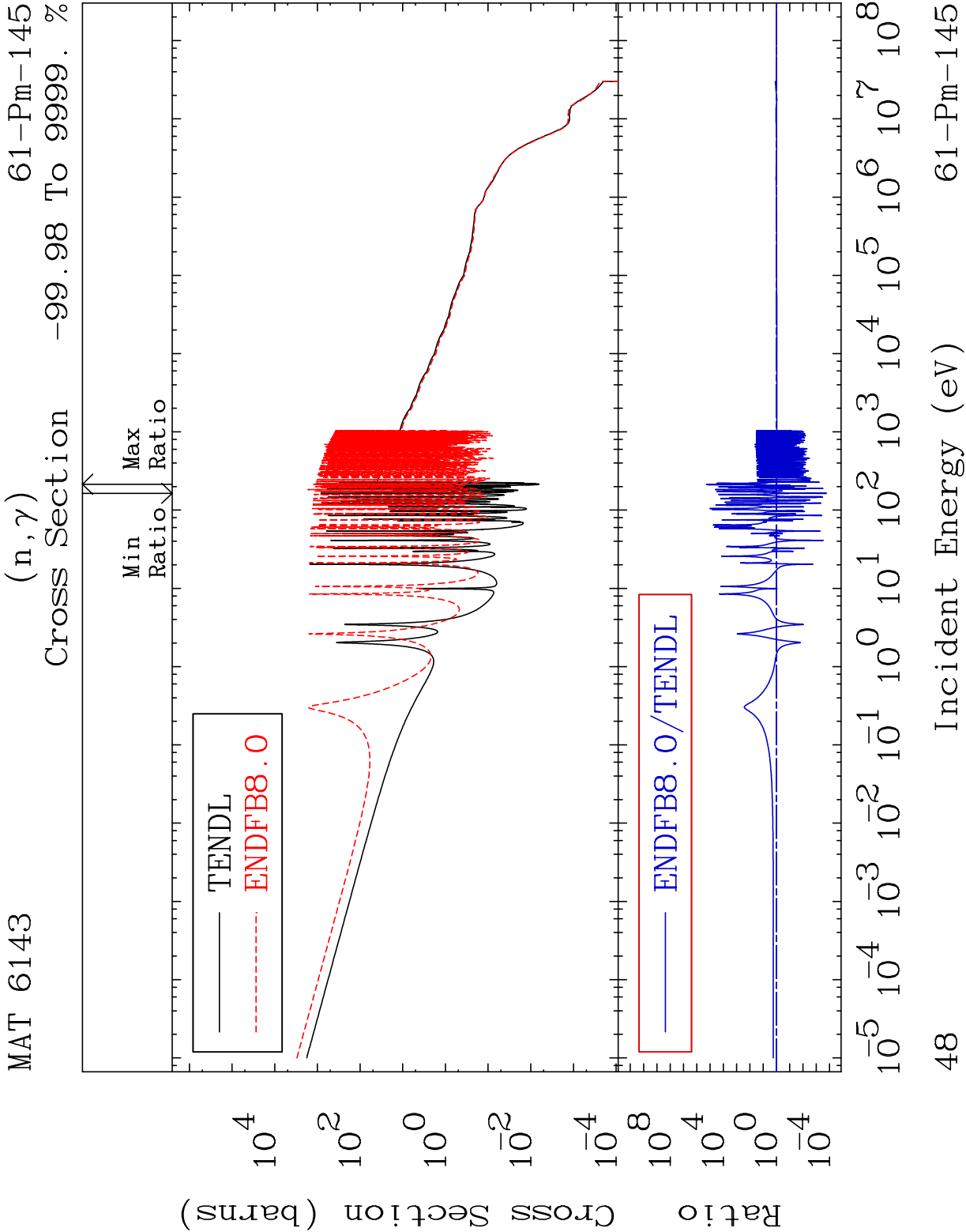
ENDFB8.0 Threshold 1.4994 MeV

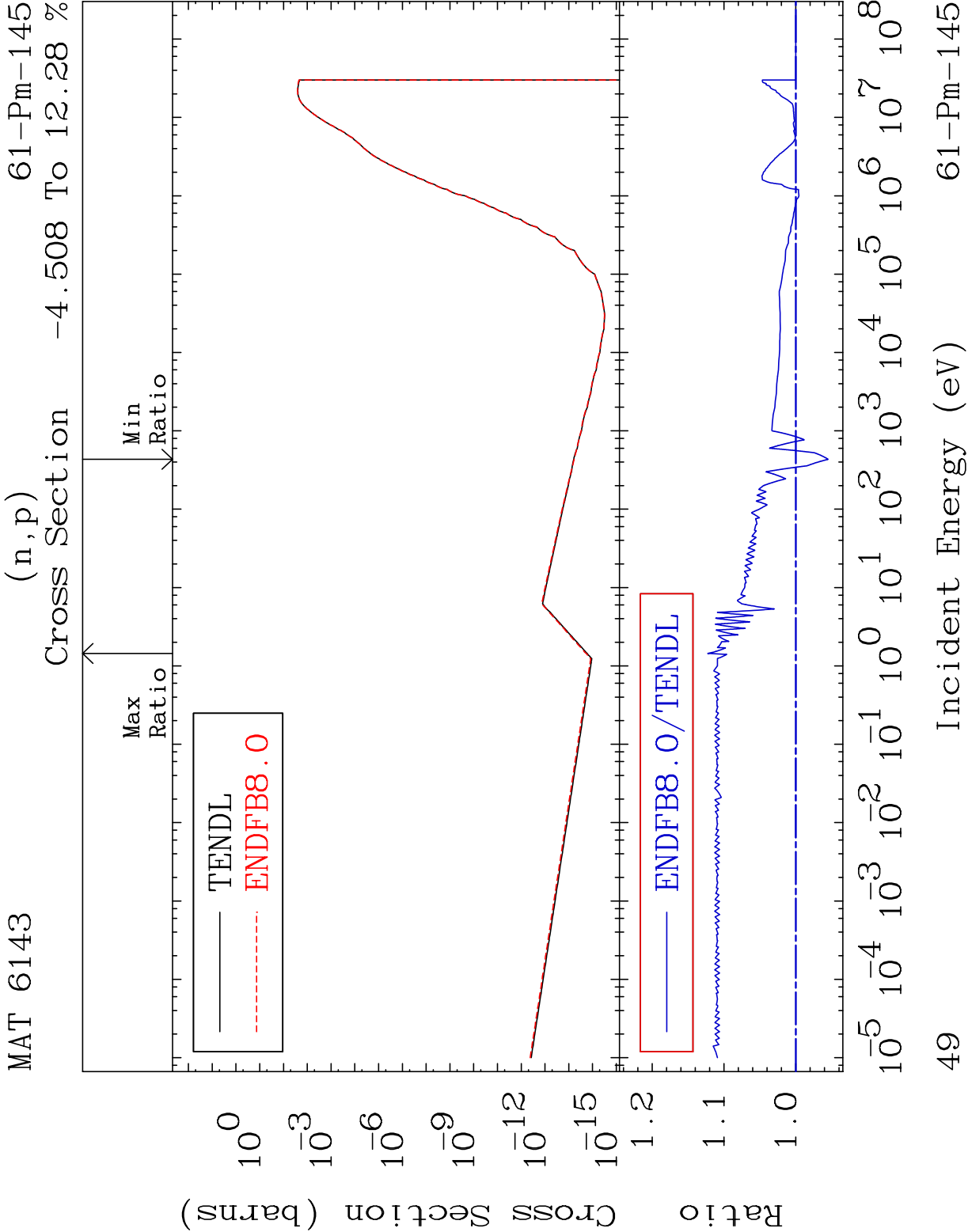
ENDFB8.0/TENDL

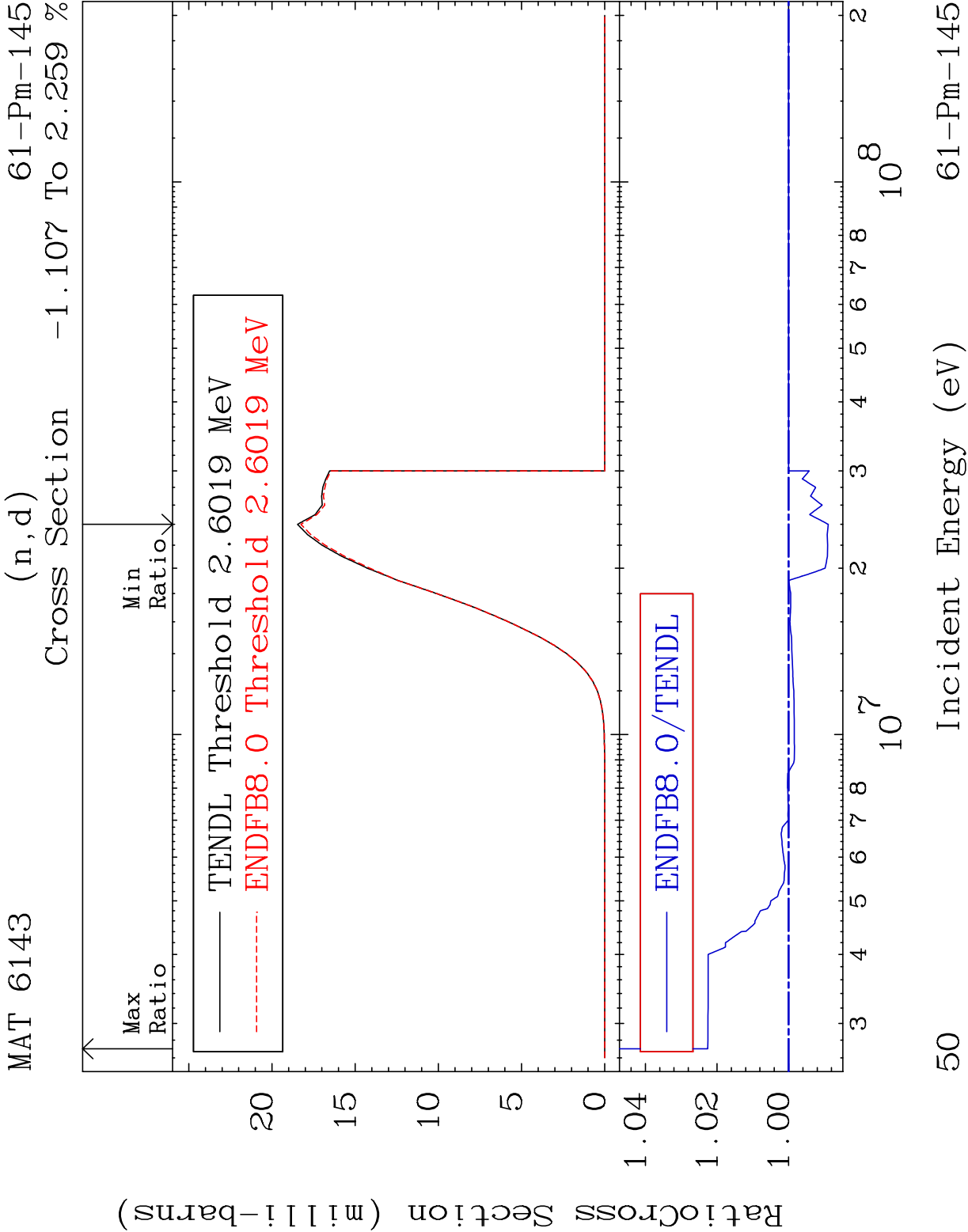
27

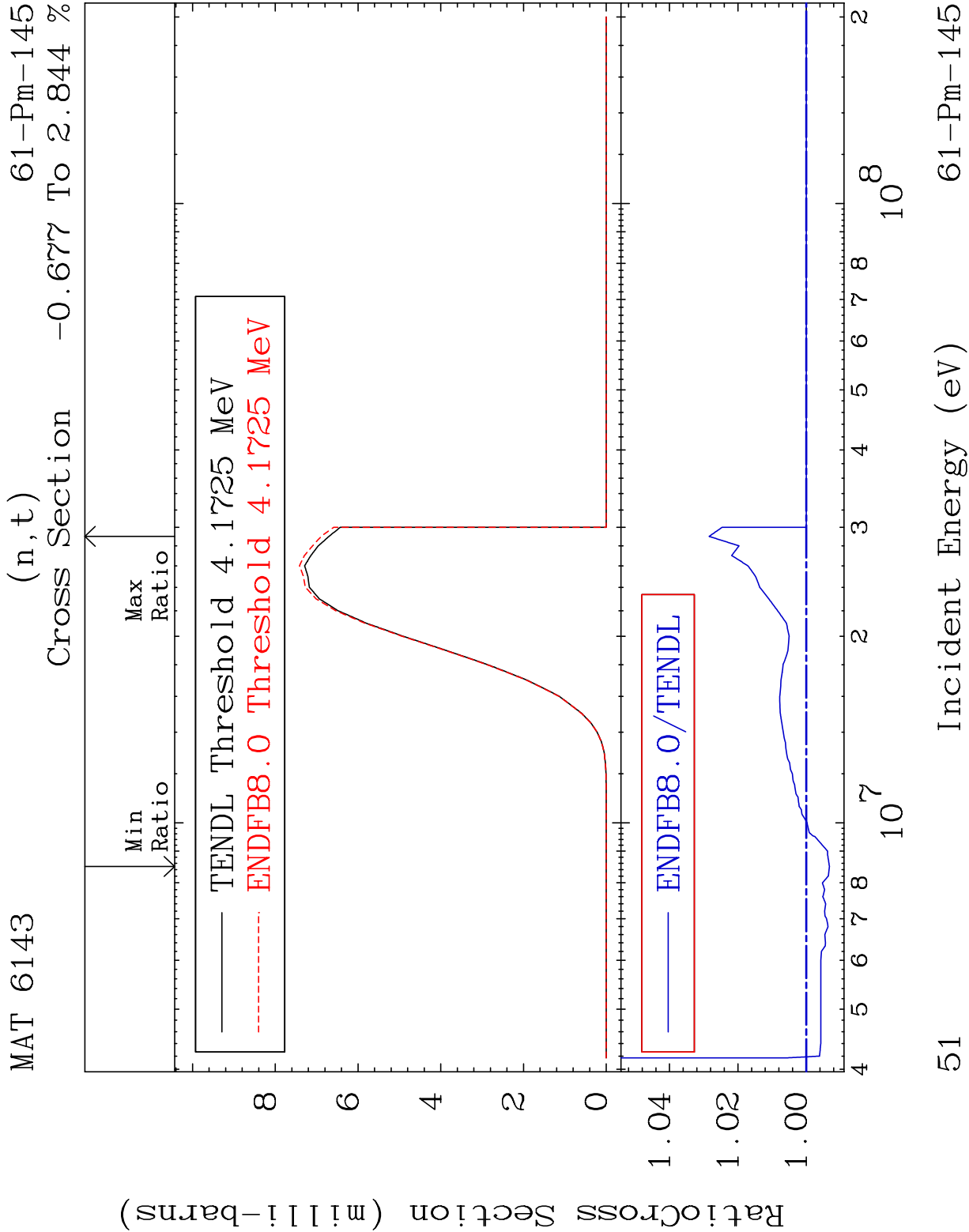
Incident Energy (eV)

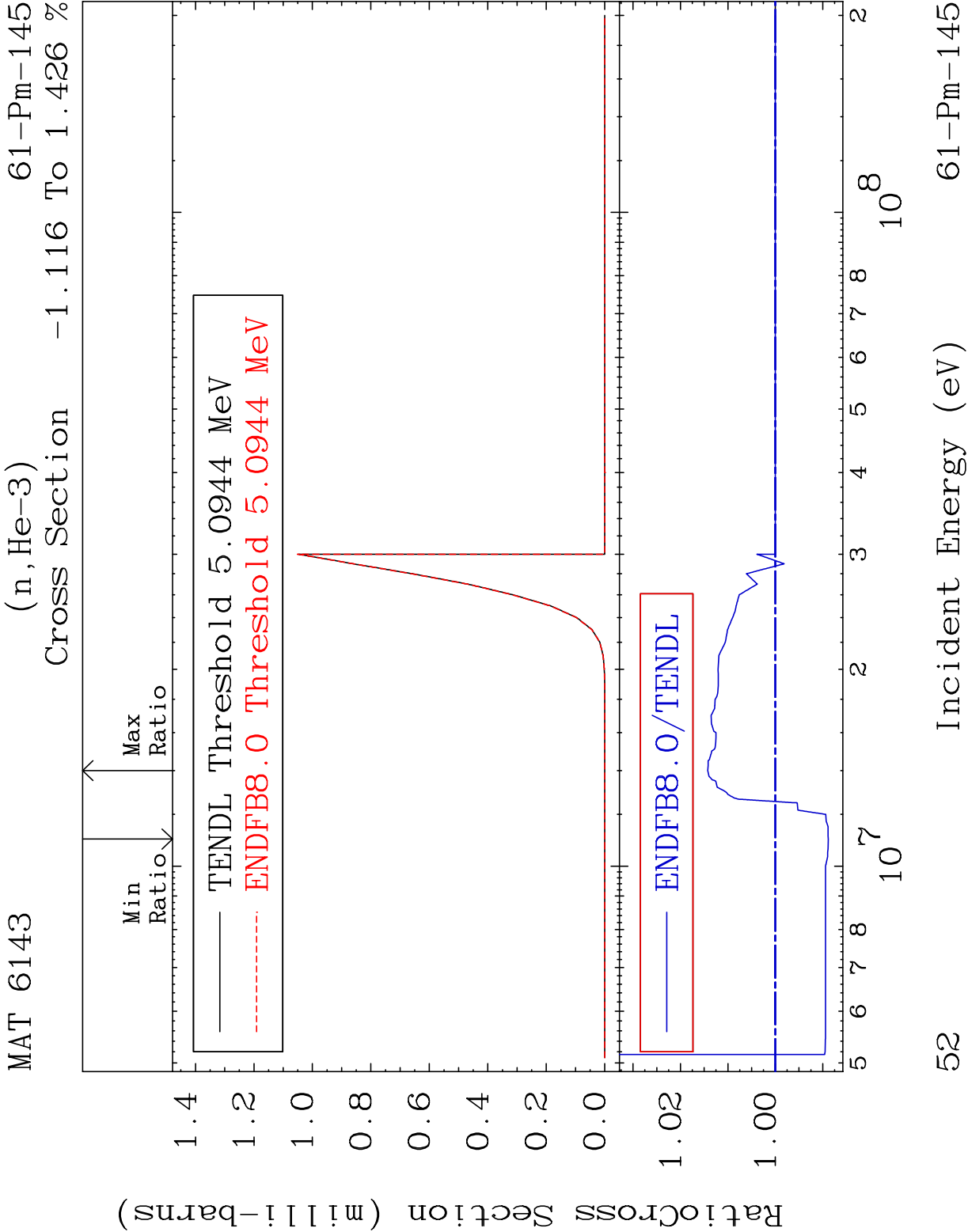
61-Pm-145

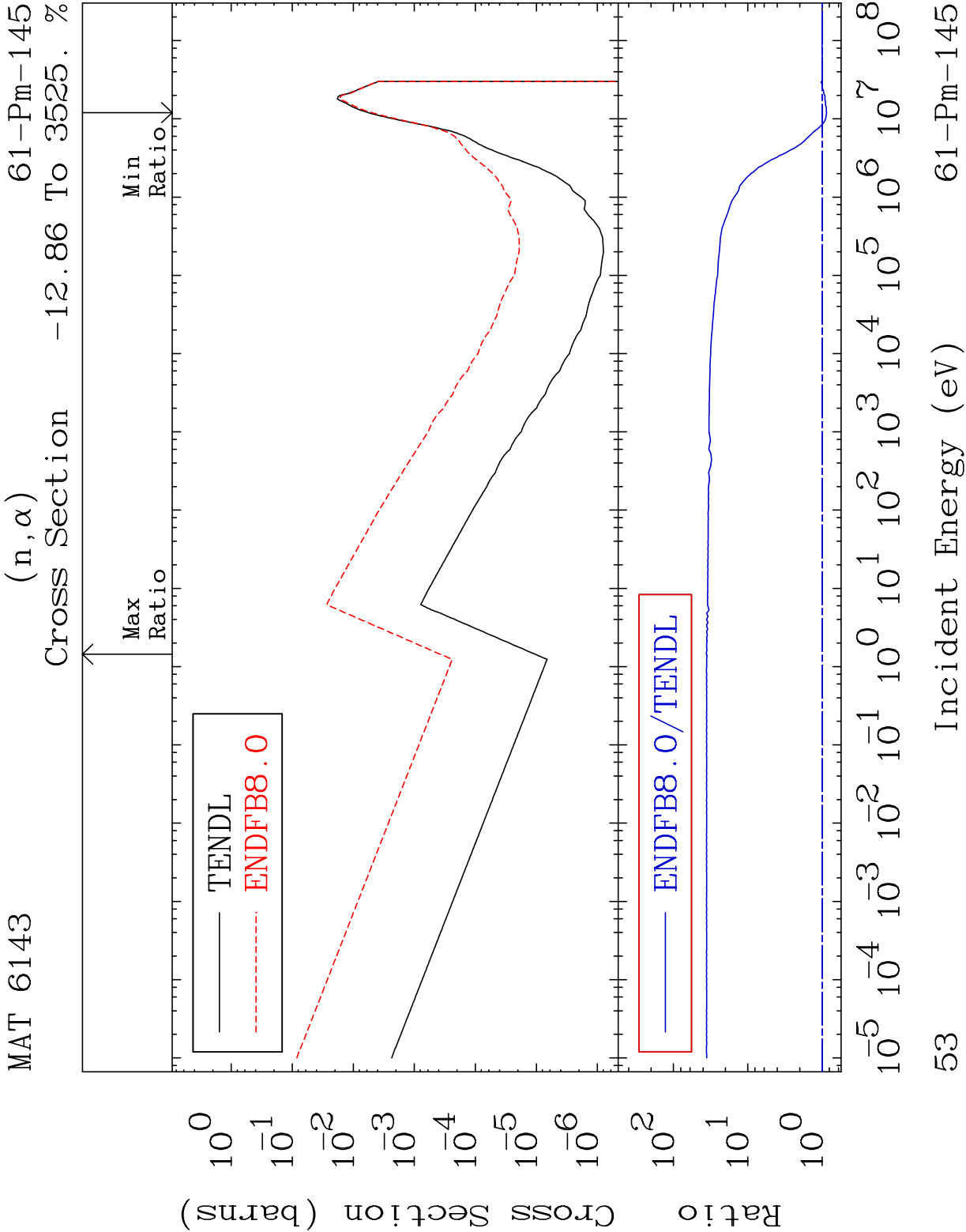


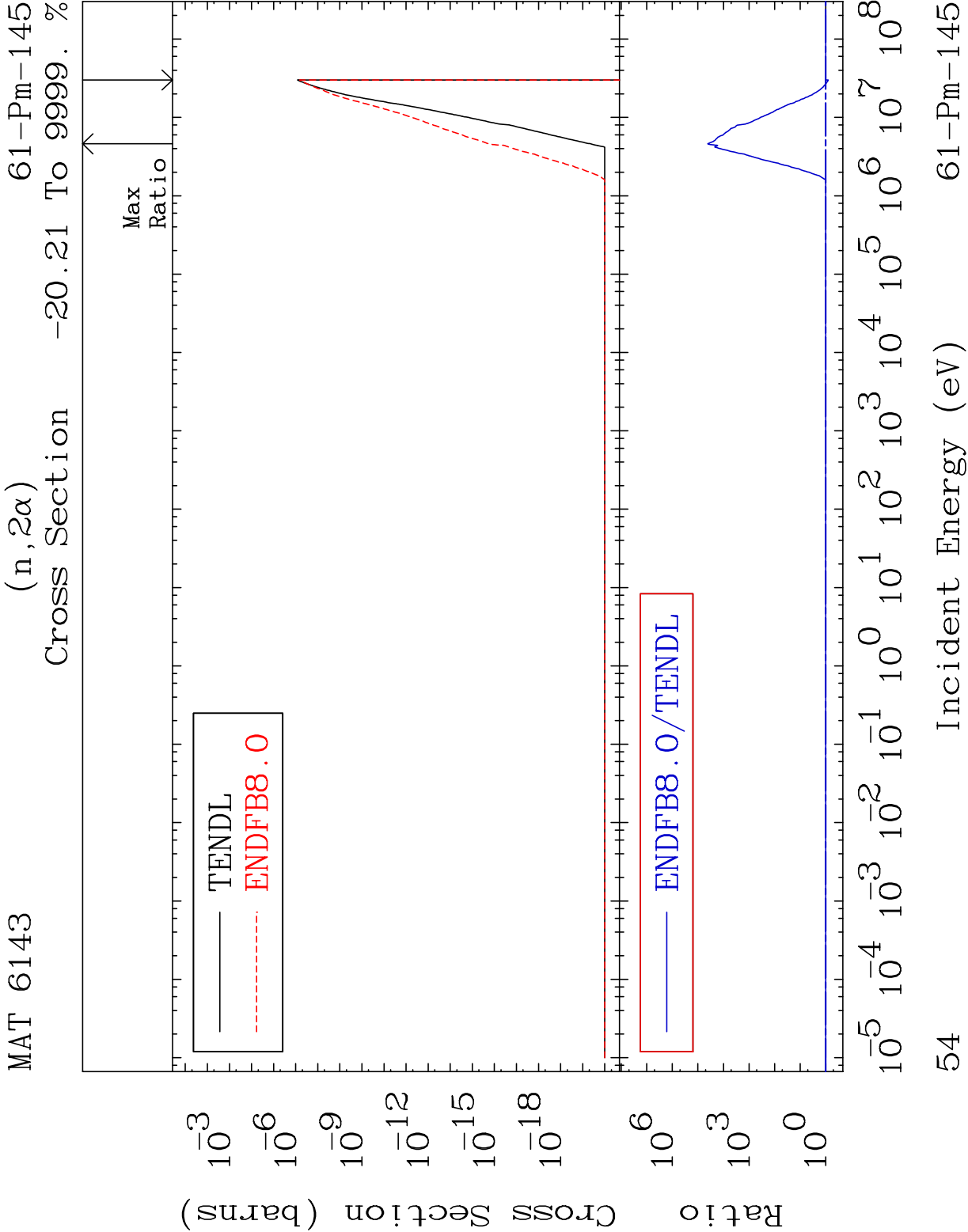


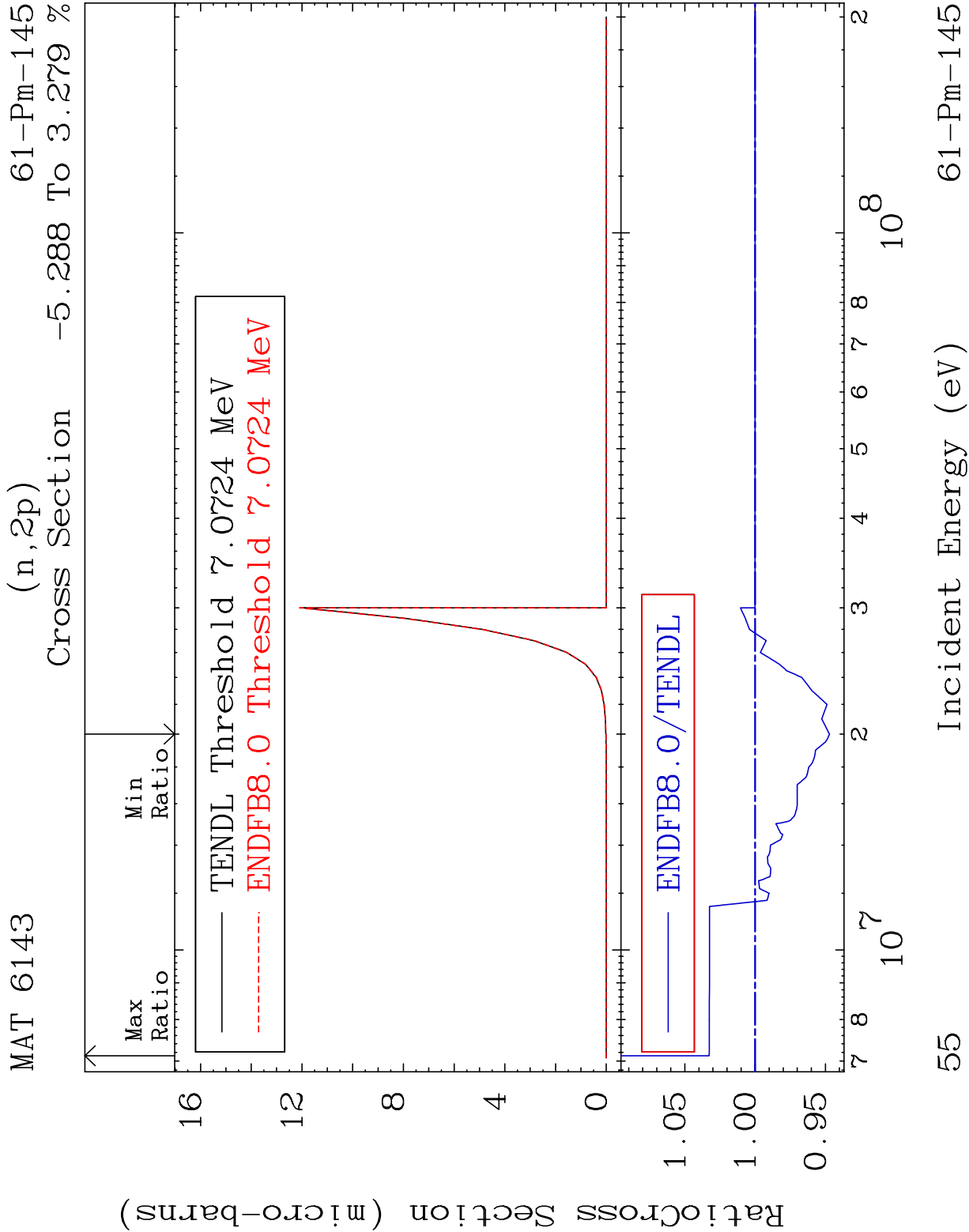


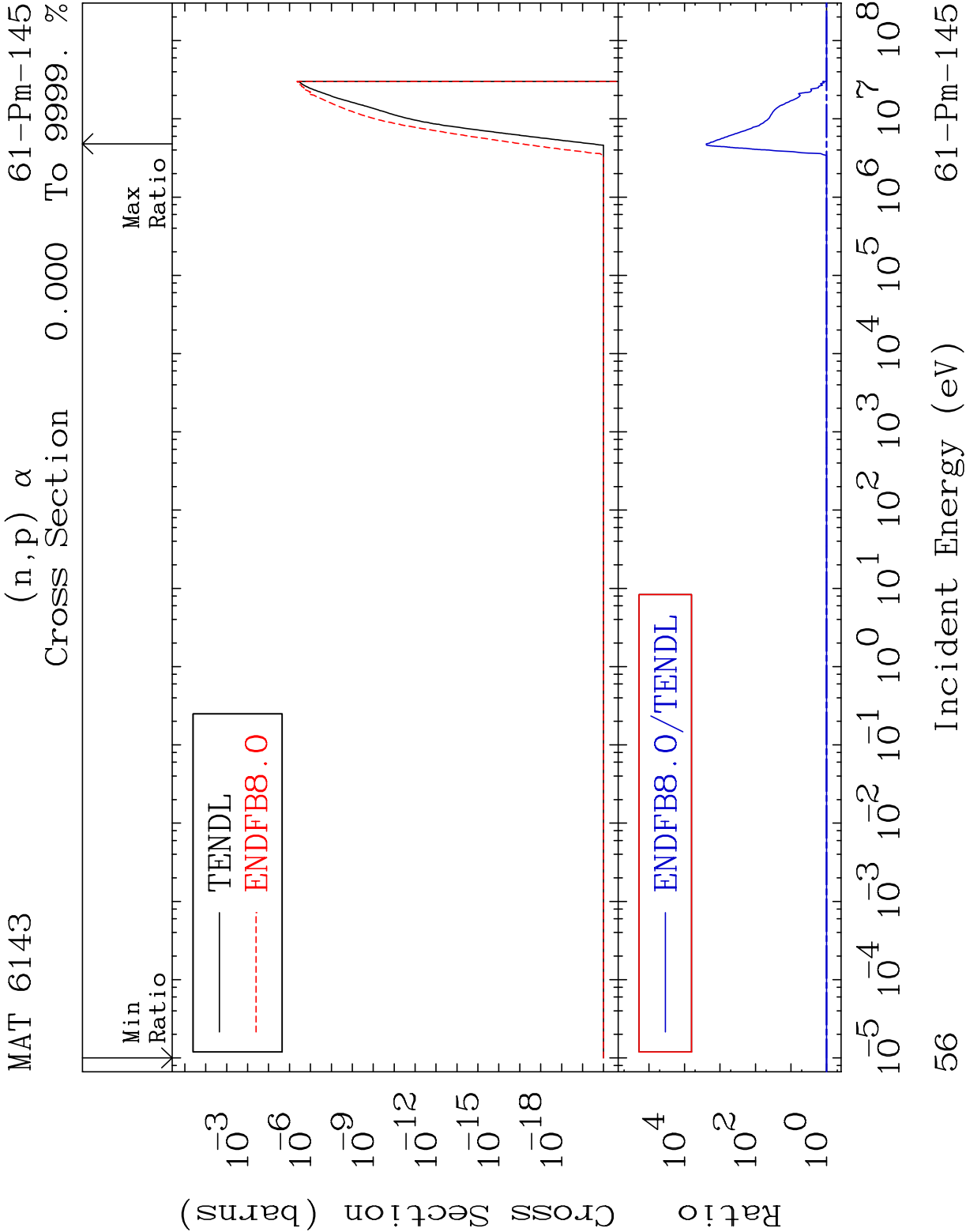


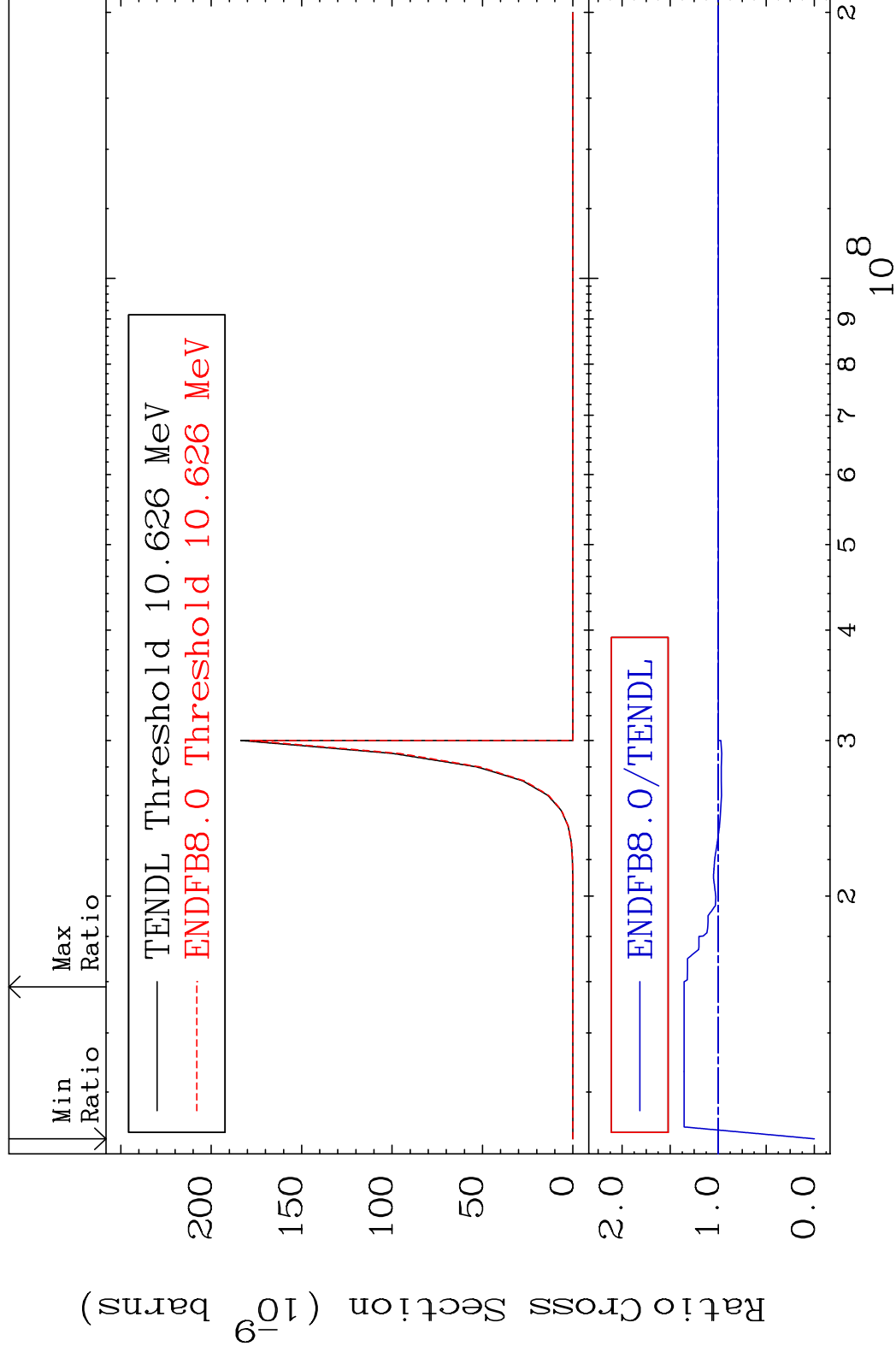


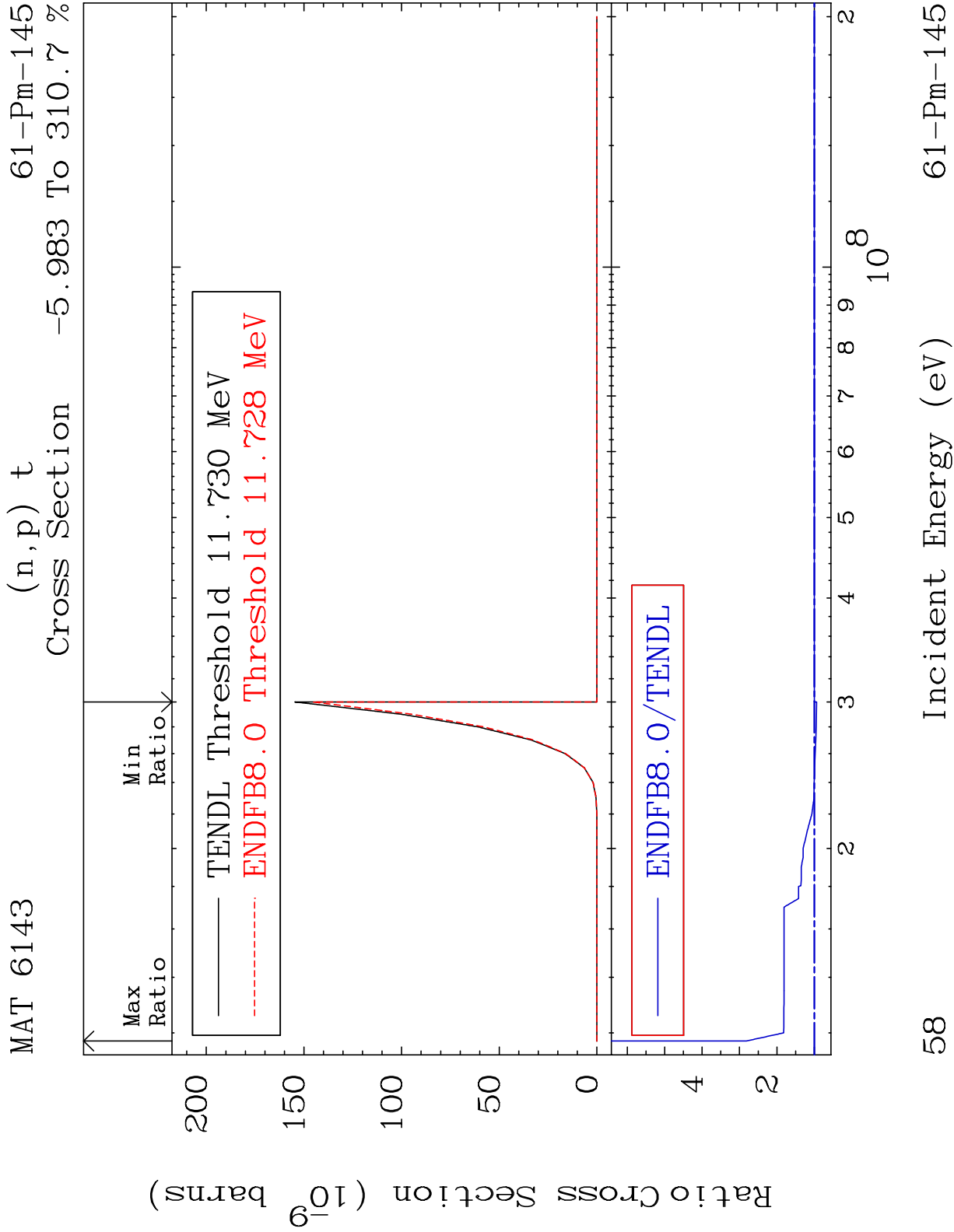


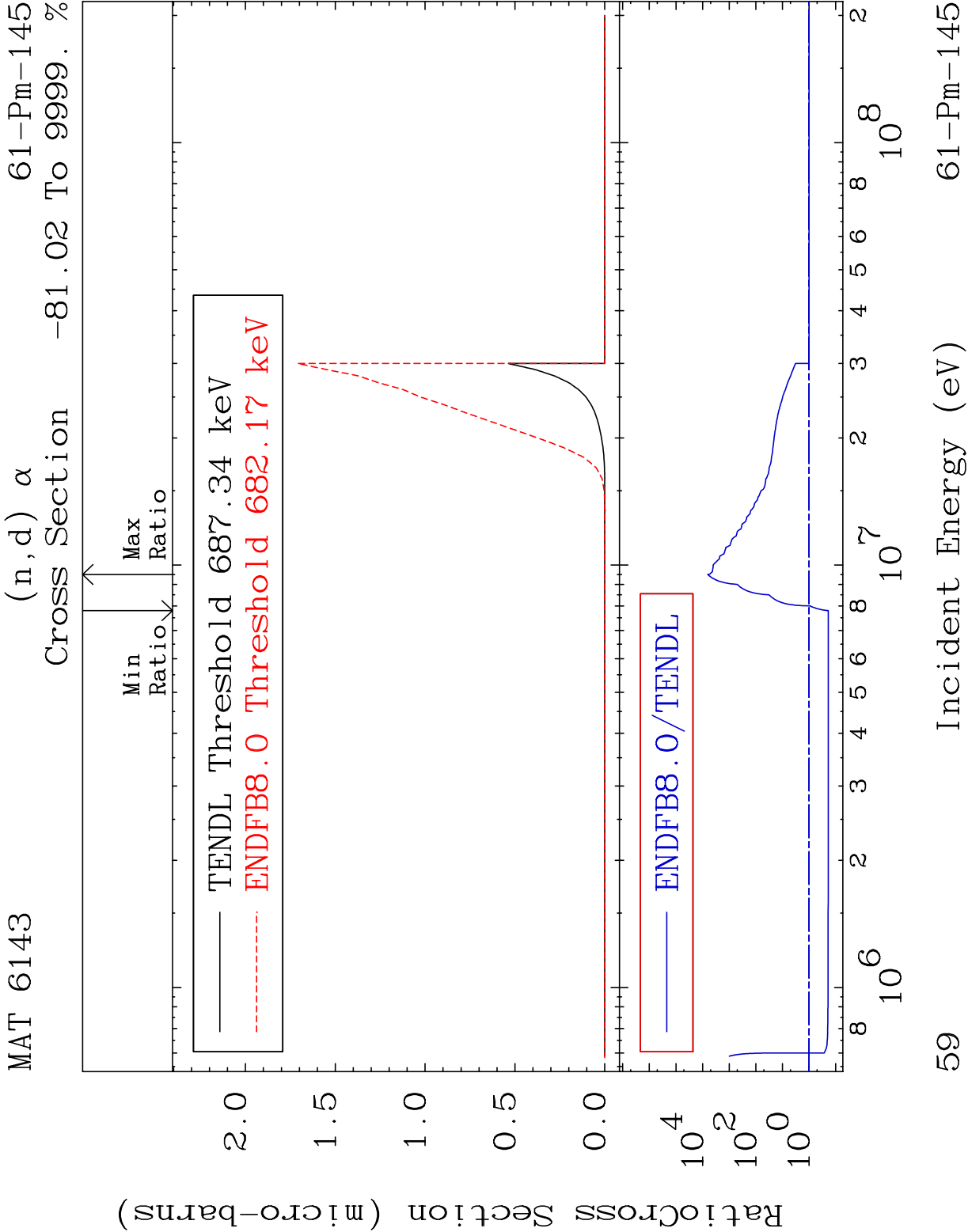


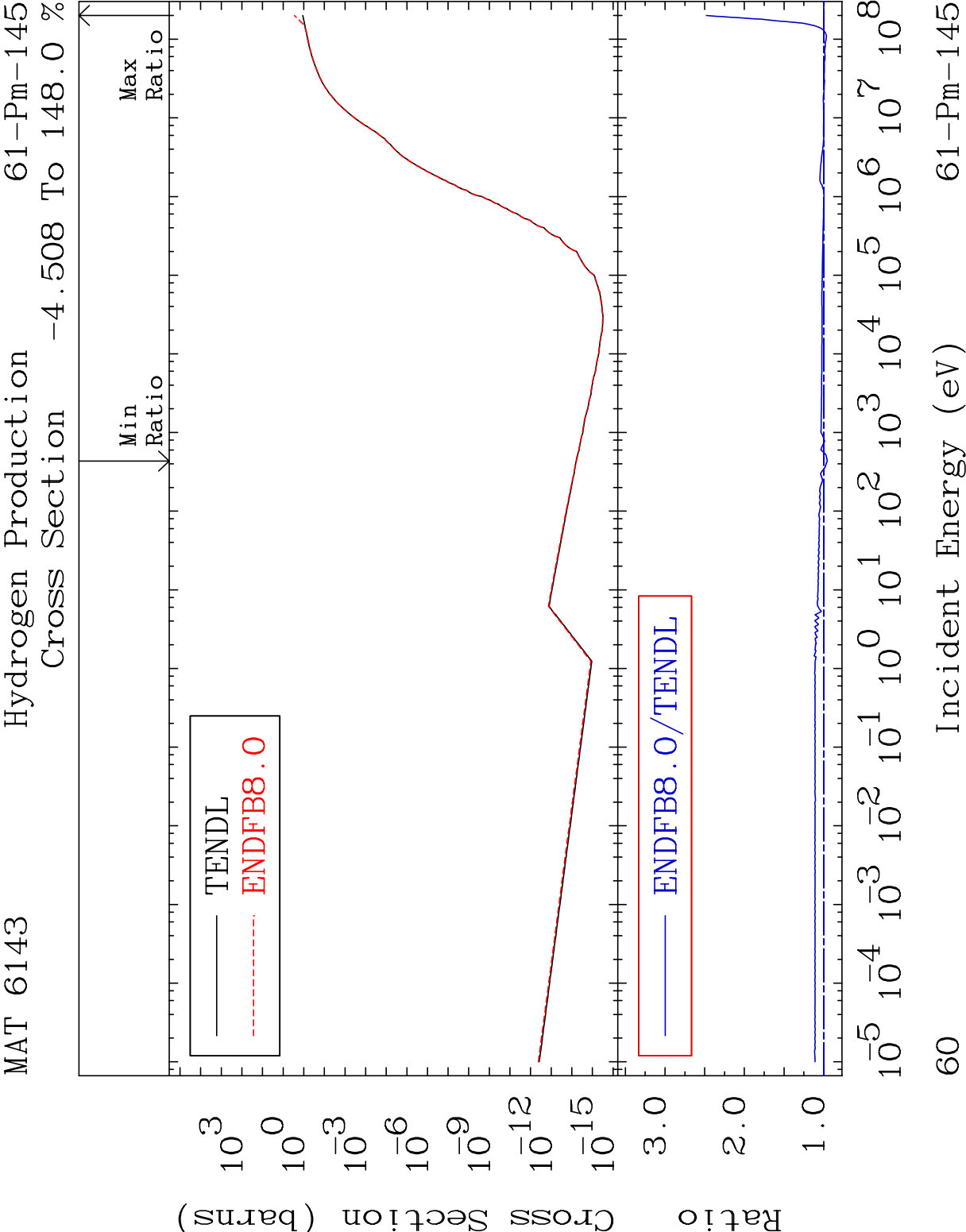


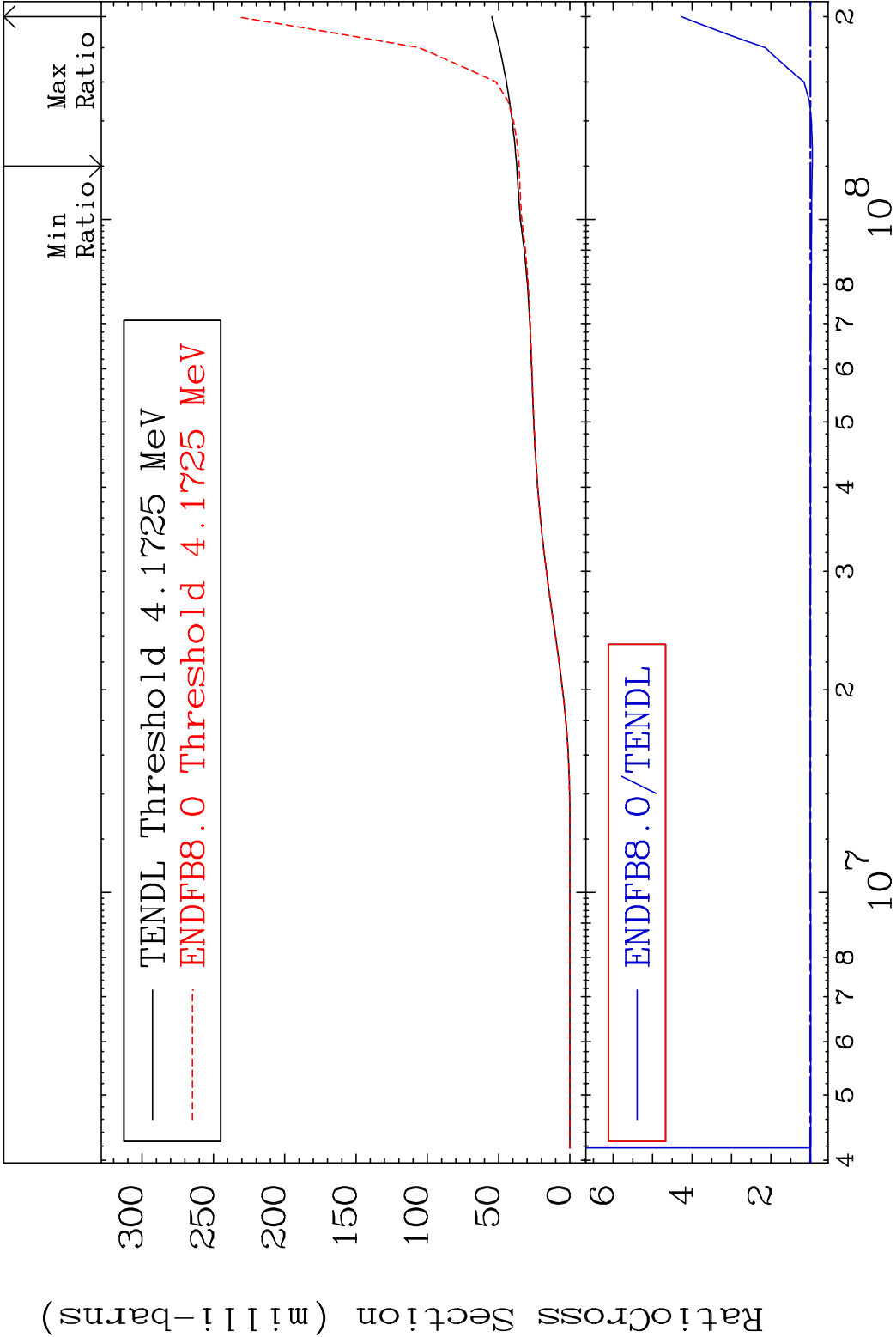


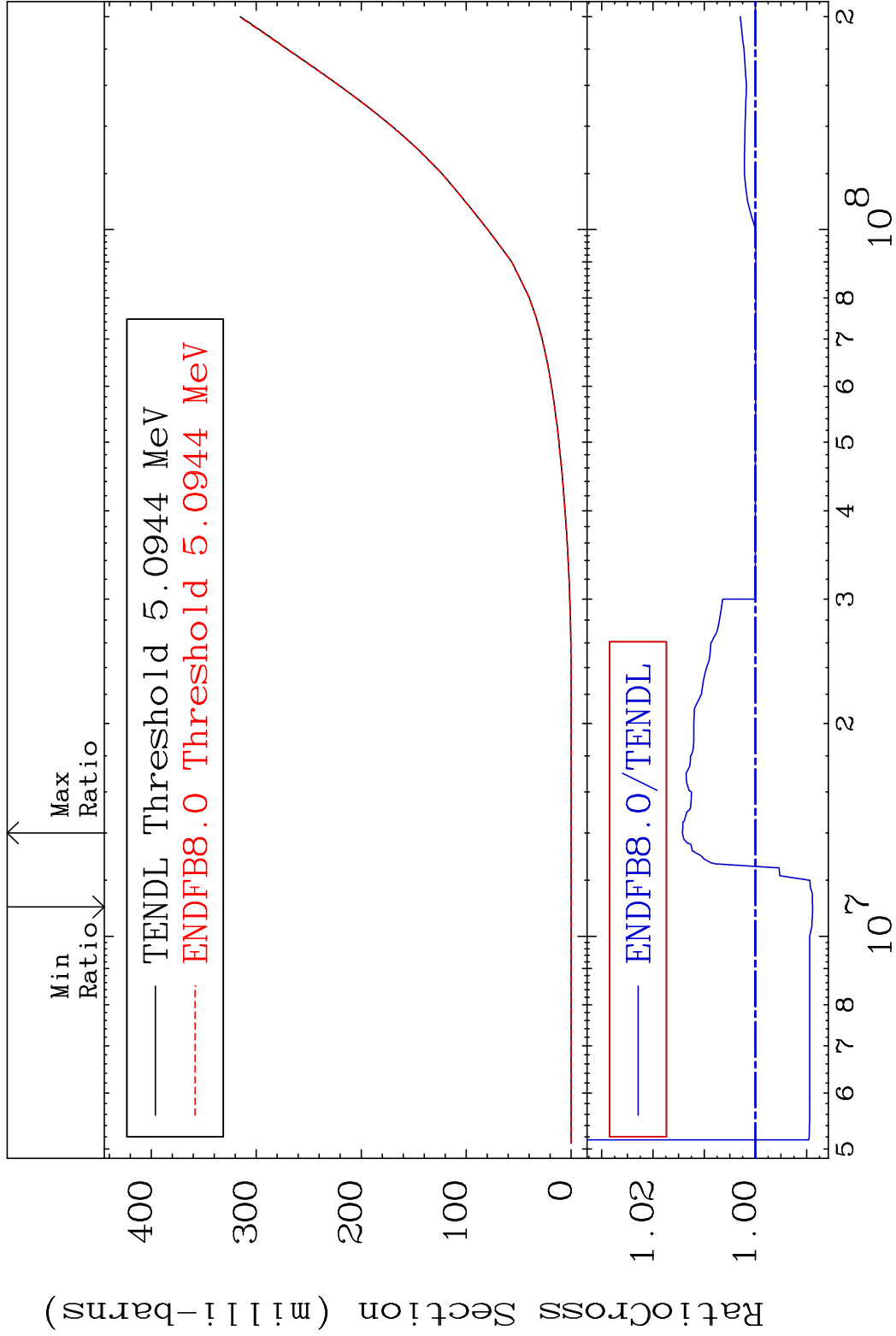












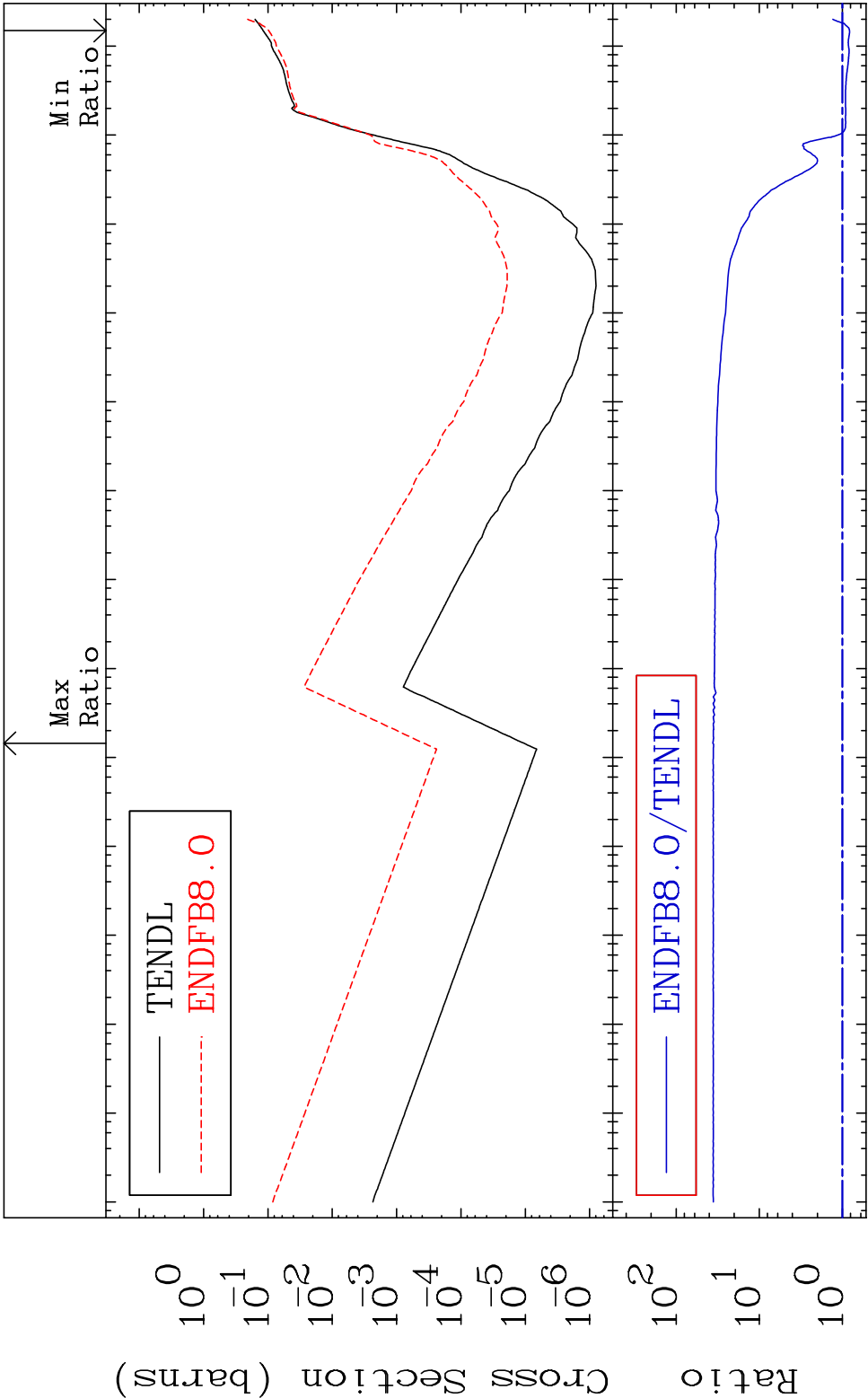
MAT 6143

He-4 Production

61-Pm-145

Cross Section

-17.95 To 3525. %

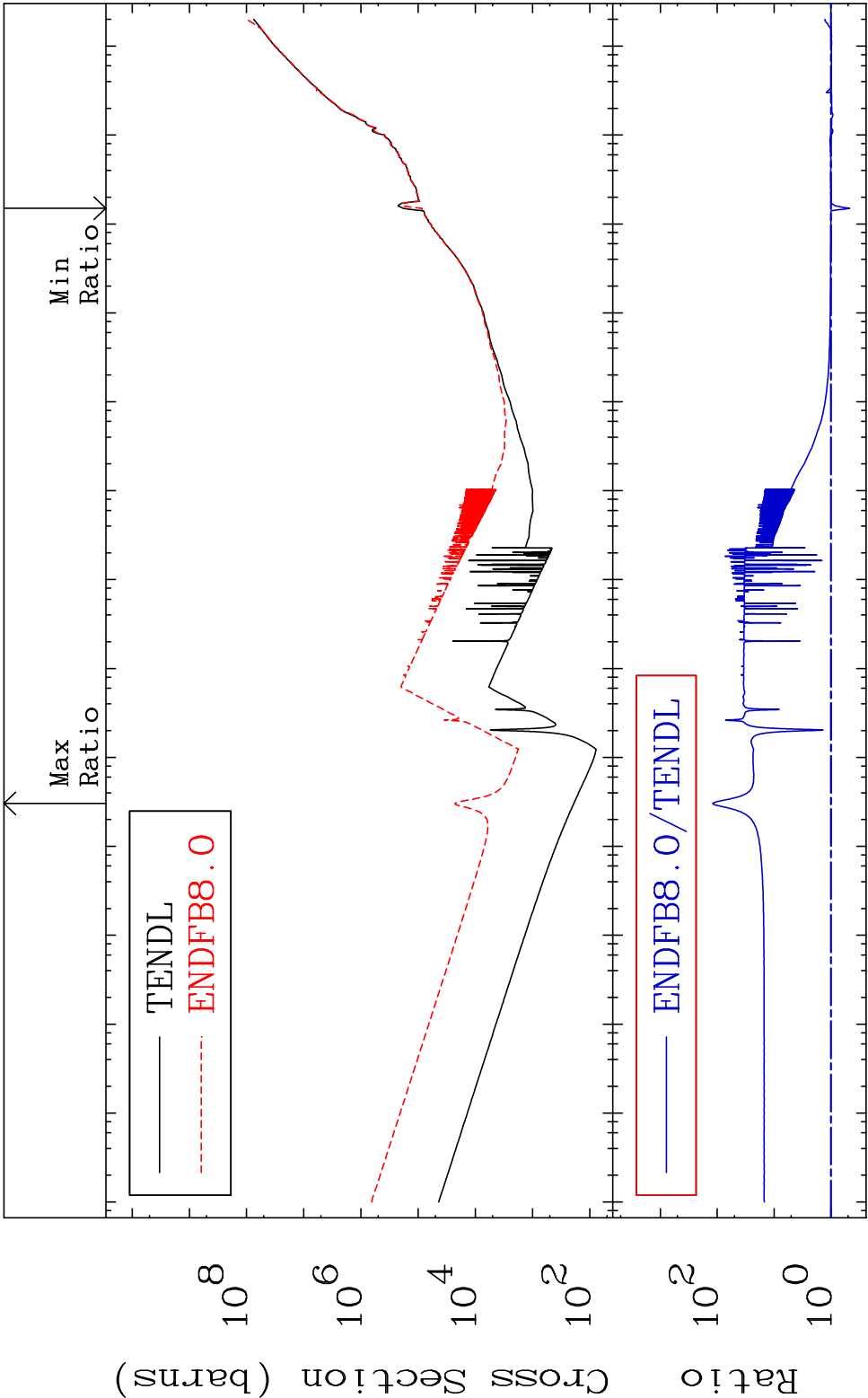


64

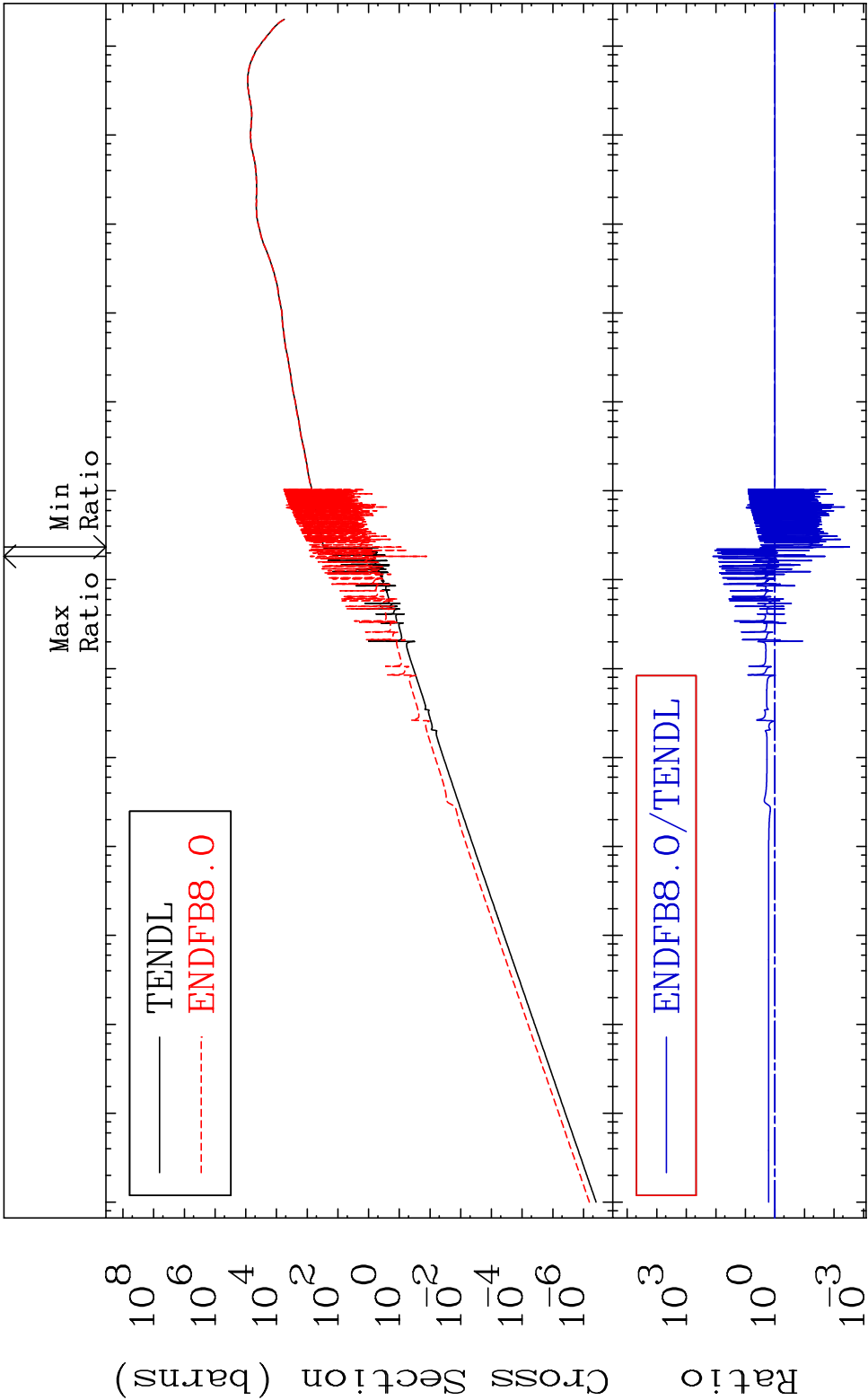
Incident Energy (eV)

61-Pm-145

MAT 6143	Kerma total (eV-barns)	61-Pm-145
	Cross Section	-52.77 To 9999. %

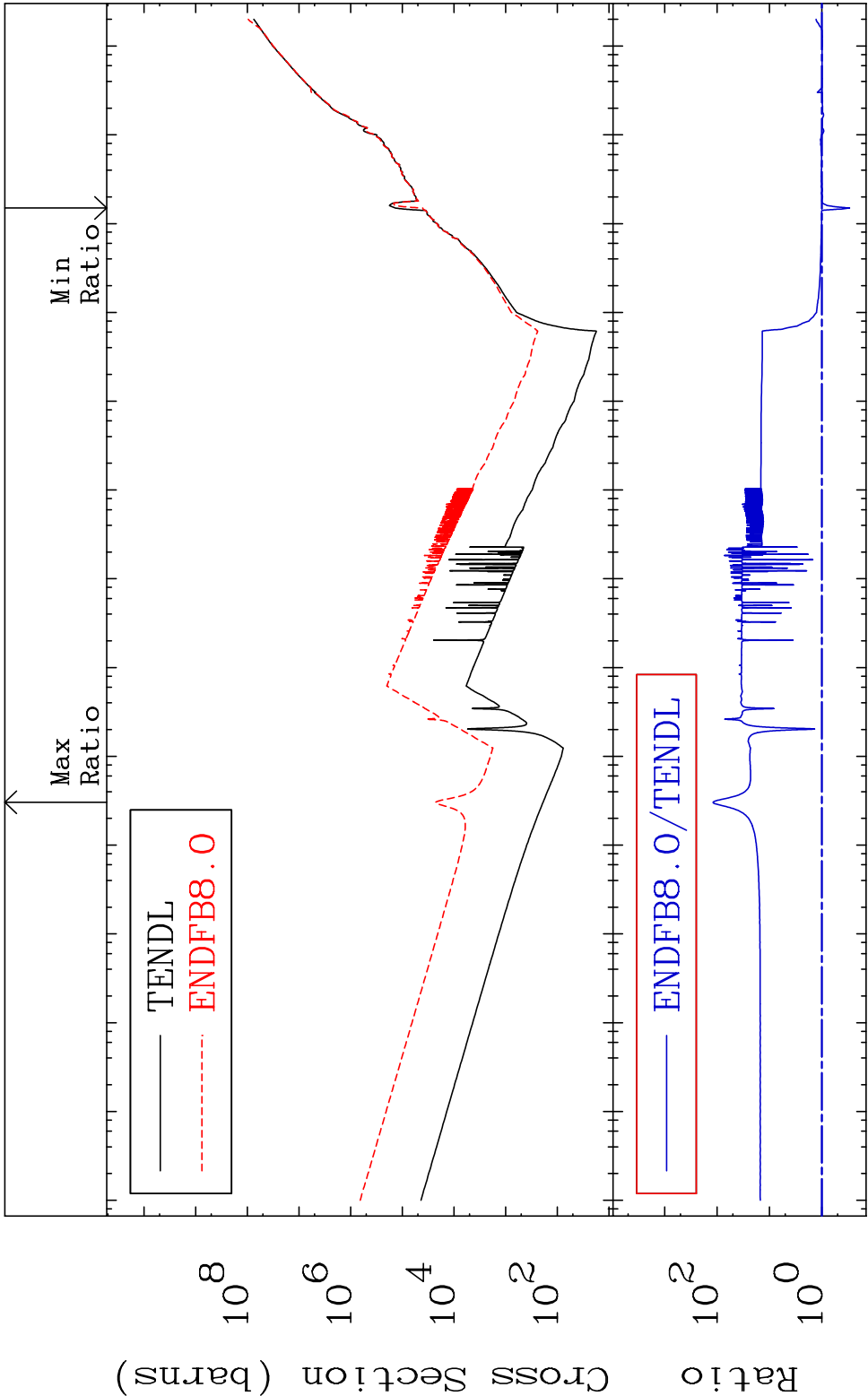


MAT 6143 Kerma elastic 61-Pm-145
 Cross Section -99.70 To 9999. %

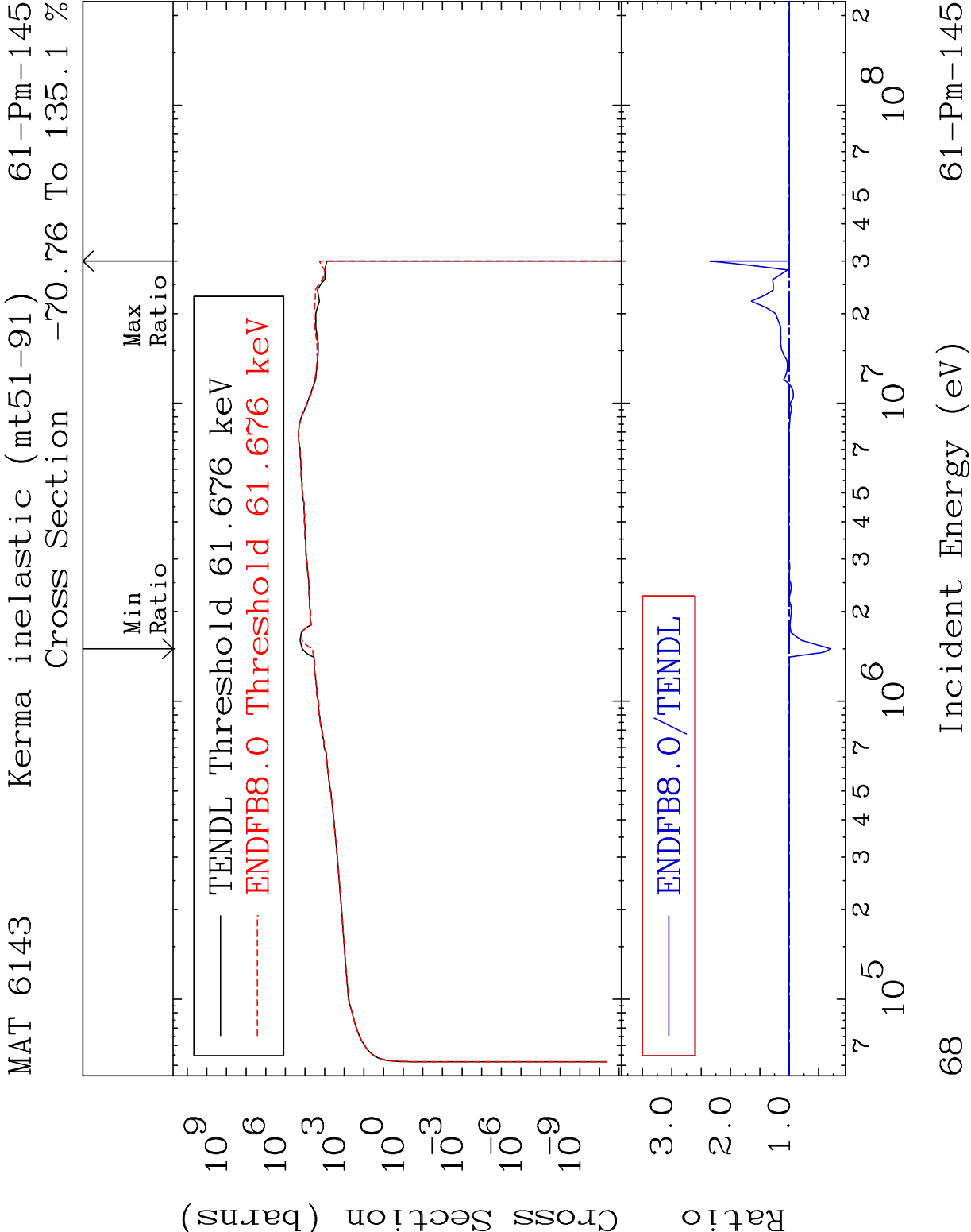


66 Incident Energy (eV) 61-Pm-145

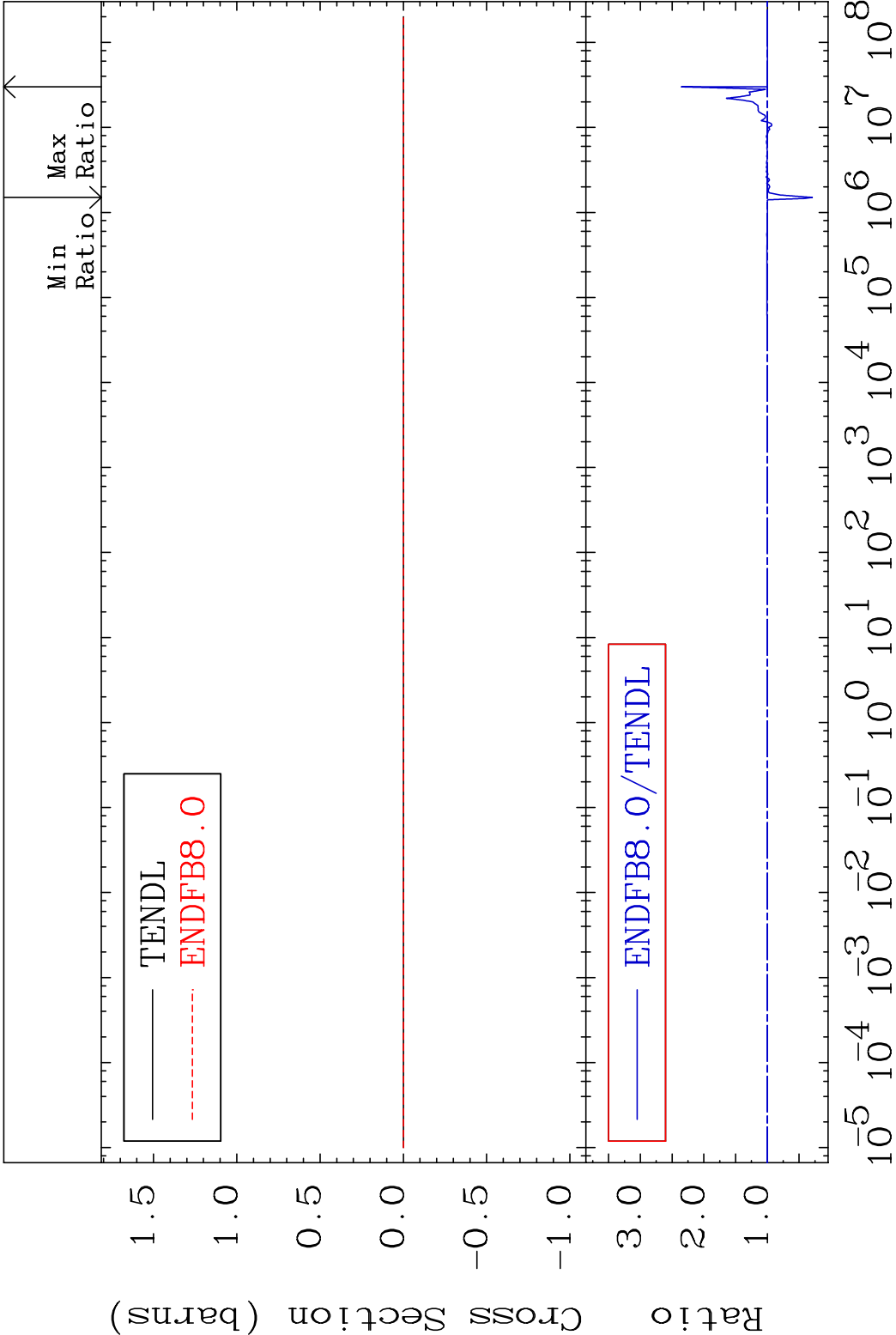
MAT 6143 Kerma non-elastic (all but mt2) 61-Pm-145
Cross Section -70.52 To 9999. %



67 Incident Energy (eV) 61-Pm-145



MAT 6143Kerma fission (mt18 or mt19-20-21-38)61-Pm-145
Cross Section -70.76 To 135.1 %



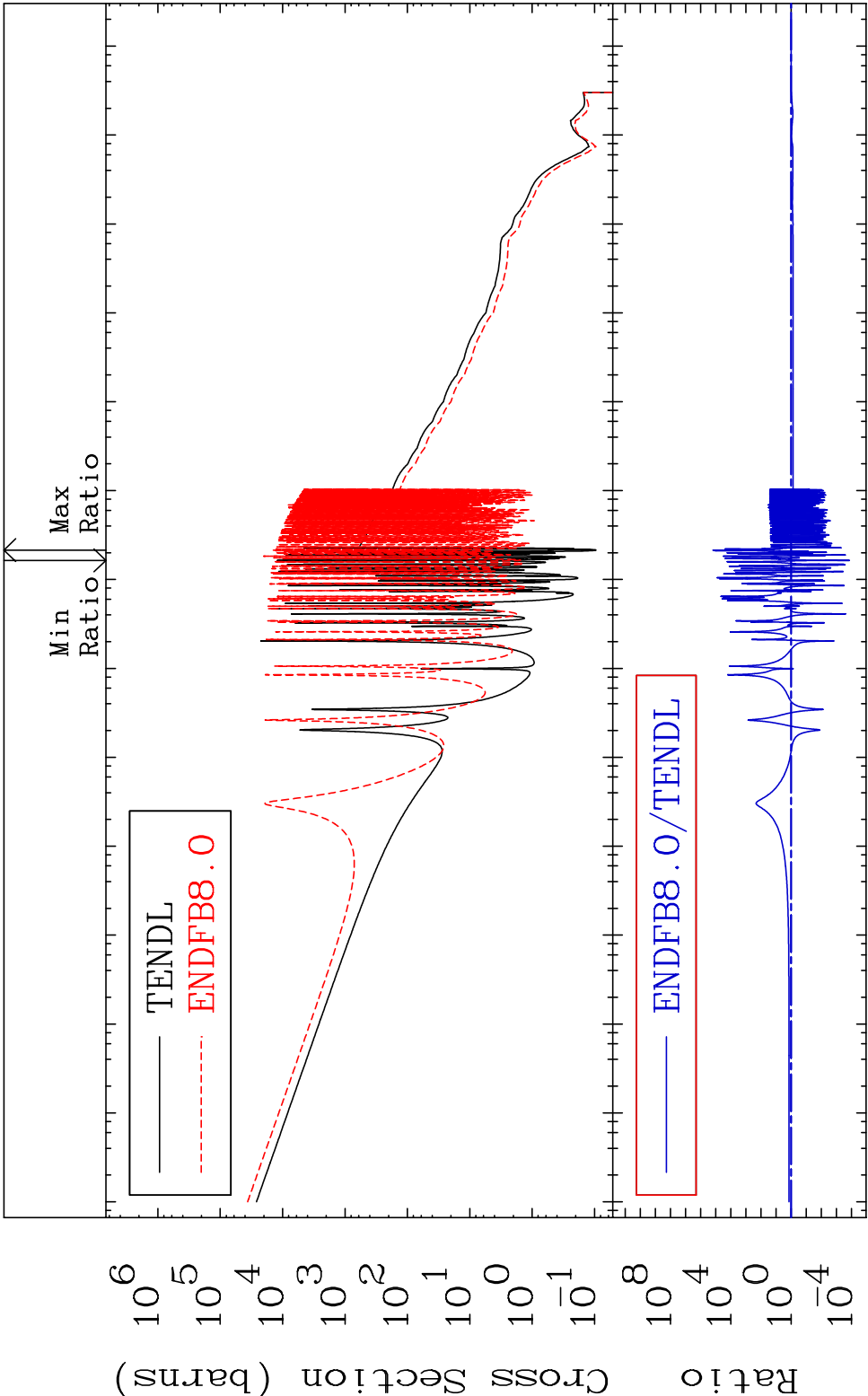
MAT 6143

Kerma capture (mt102)

61-Pm-145

Cross Section

-99.99 To 9999. %

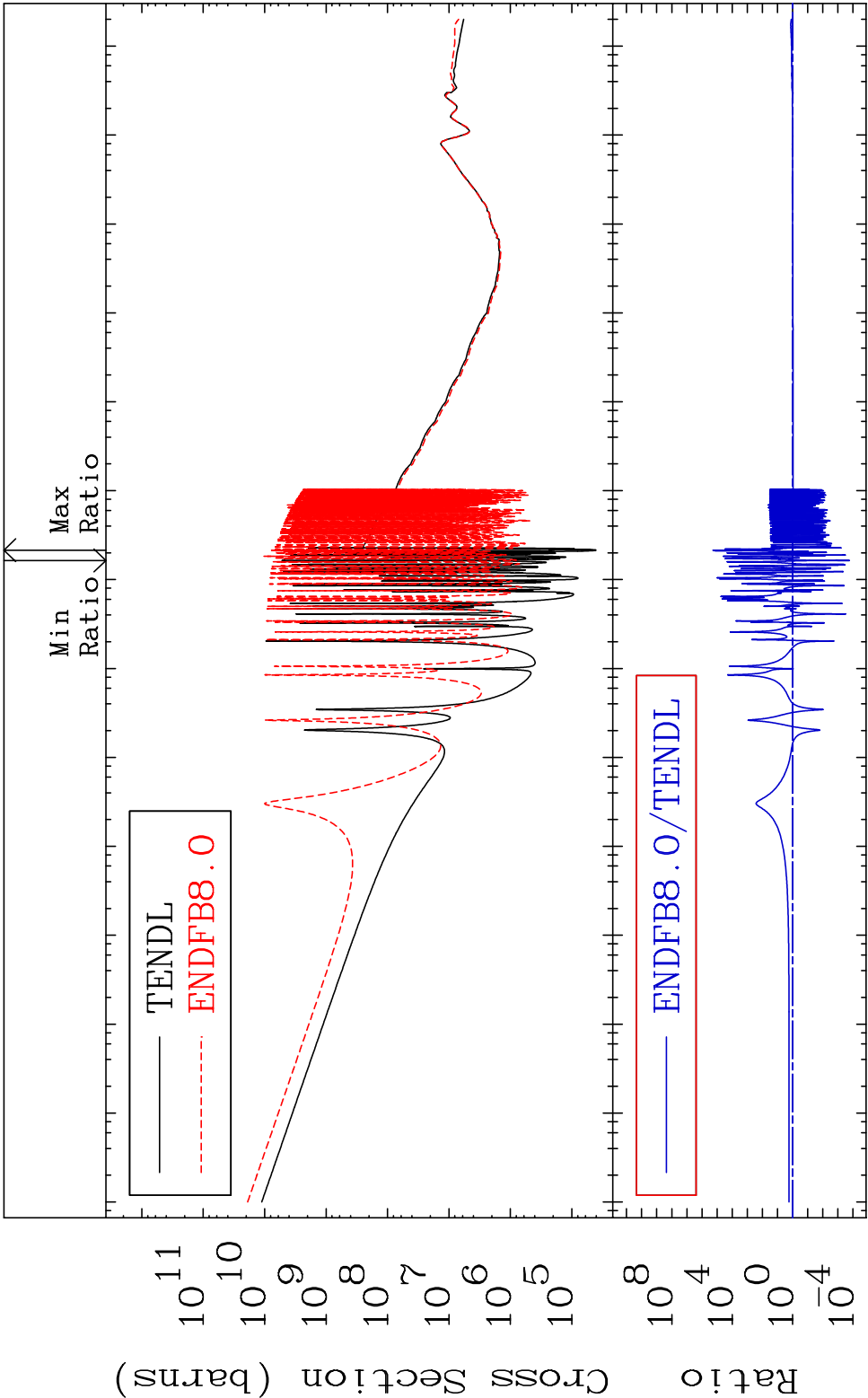


70

Incident Energy (eV)

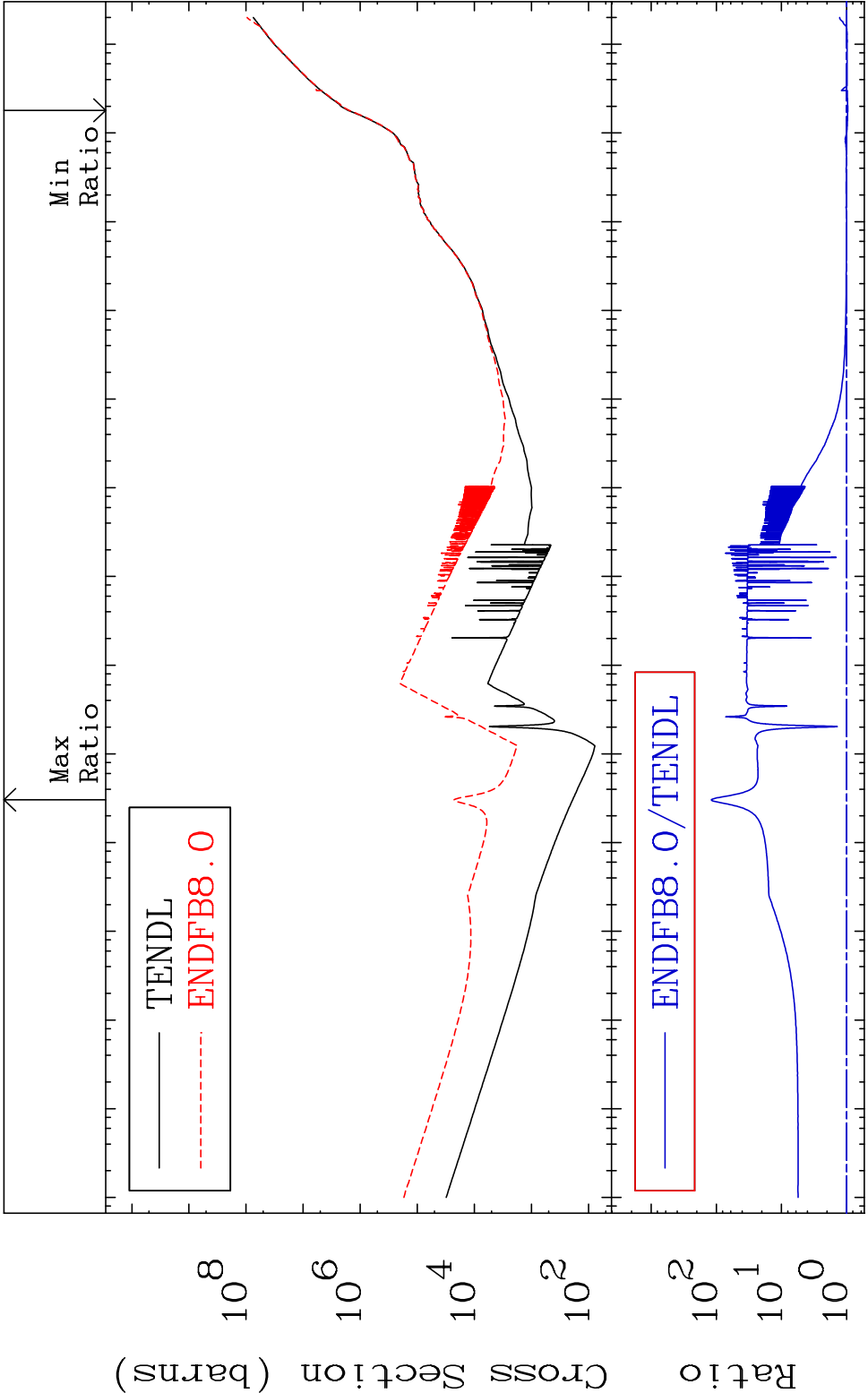
61-Pm-145

MAT 6143 Total photon (eV-barns) 61-Pm-145
 Cross Section -99.98 To 9999. %

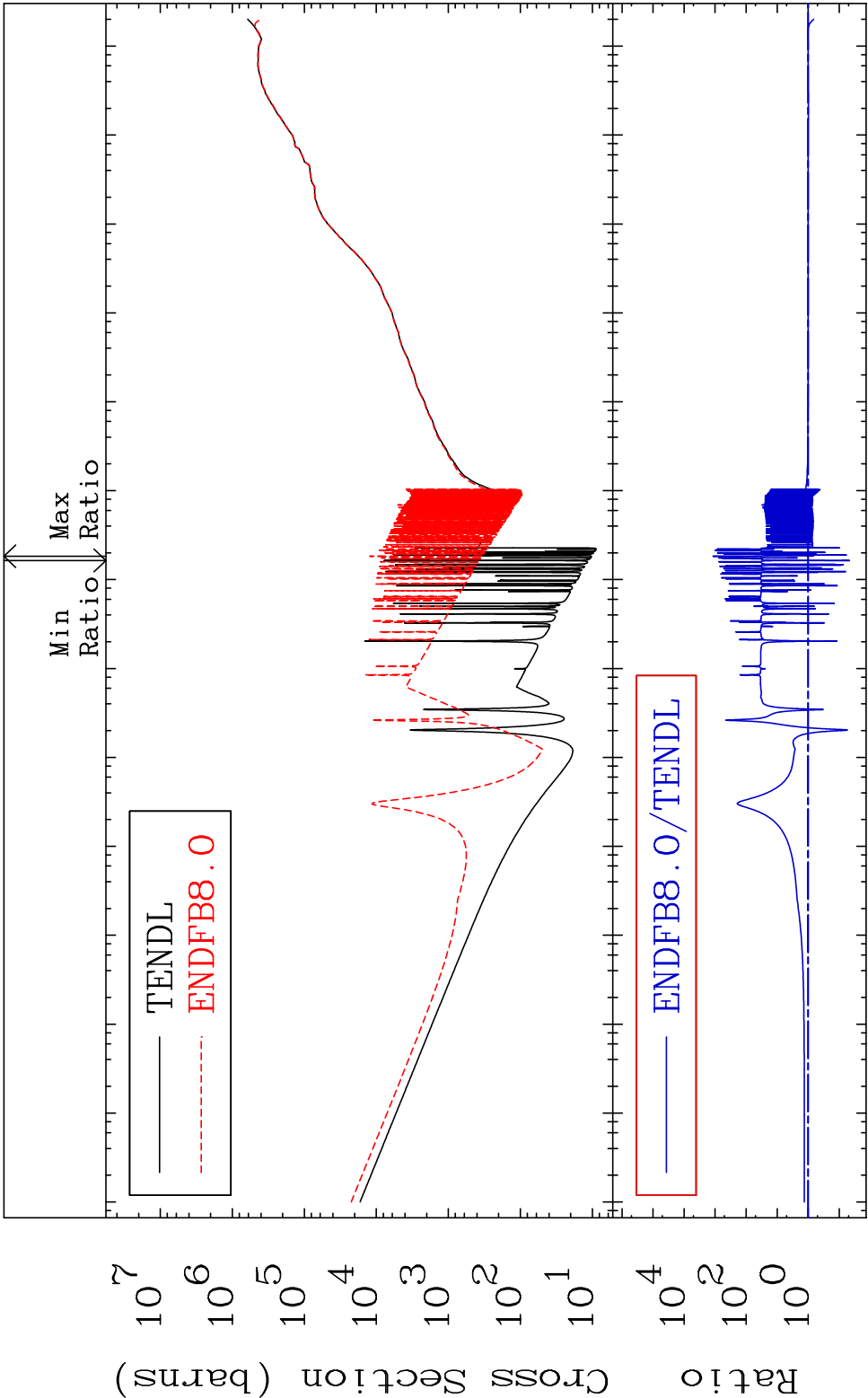


71 Incident Energy (eV) 61-Pm-145

MAT 6143 Total kinematic kerma (high limit) 61-Pm-145
Cross Section -3.937 To 9999. %

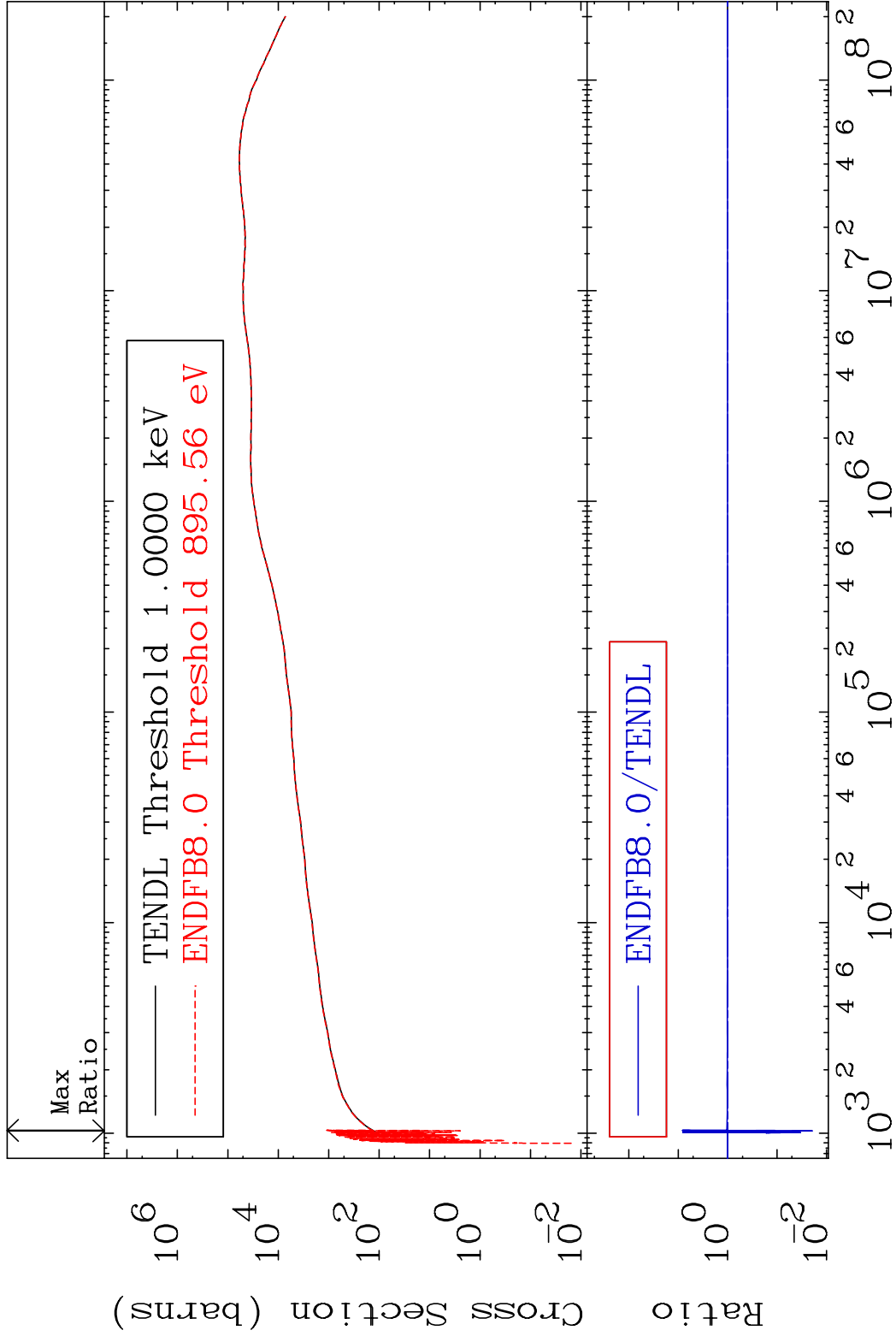


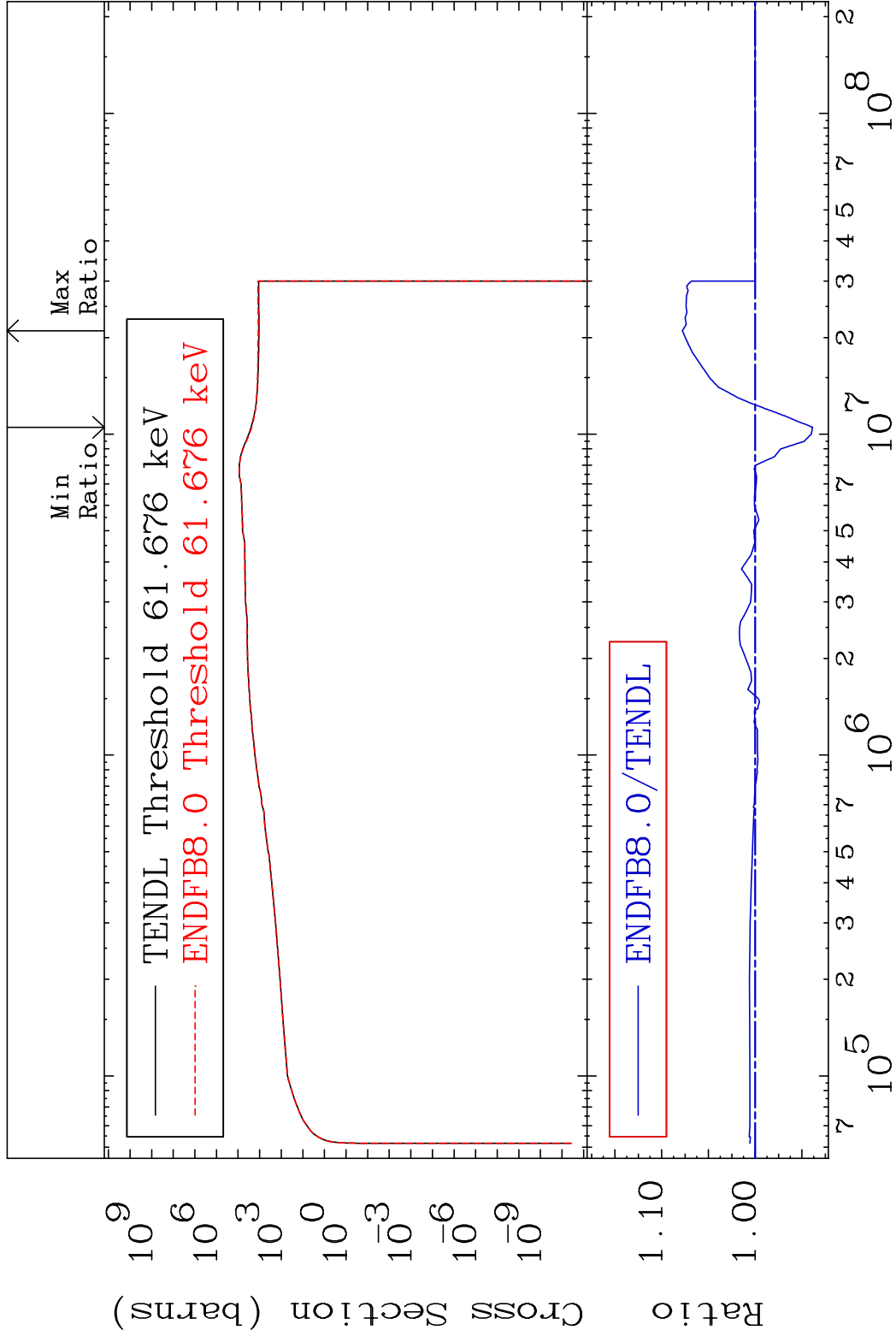
MAT 6143 Dpa total (eV-barns) 61-Pm-145
Cross Section -95.35 To 9999. %



73 Incident Energy (eV) 61-Pm-145

MAT 6143 Dpa elastic (mt2) 61-Pm-145
Cross Section -98.09 To 724.9 %





MAT 6143 Dpa disappearance (mt102 -120) 61-Pm-145
 Cross Section -95.35 To 9999. %

