

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

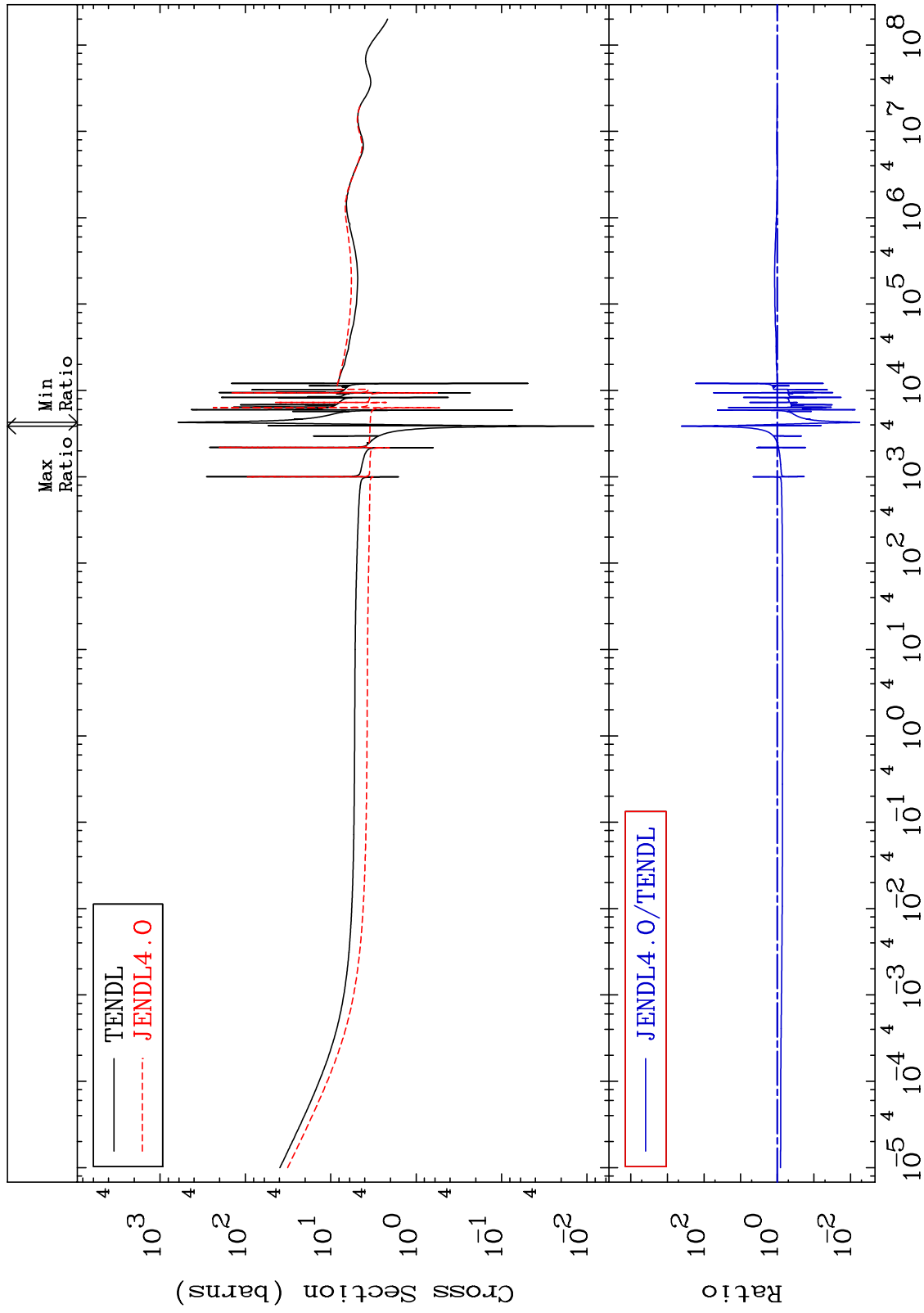
MAT 5455

Total

54-Xe-134

Cross Section

-99.44 To 9999. %



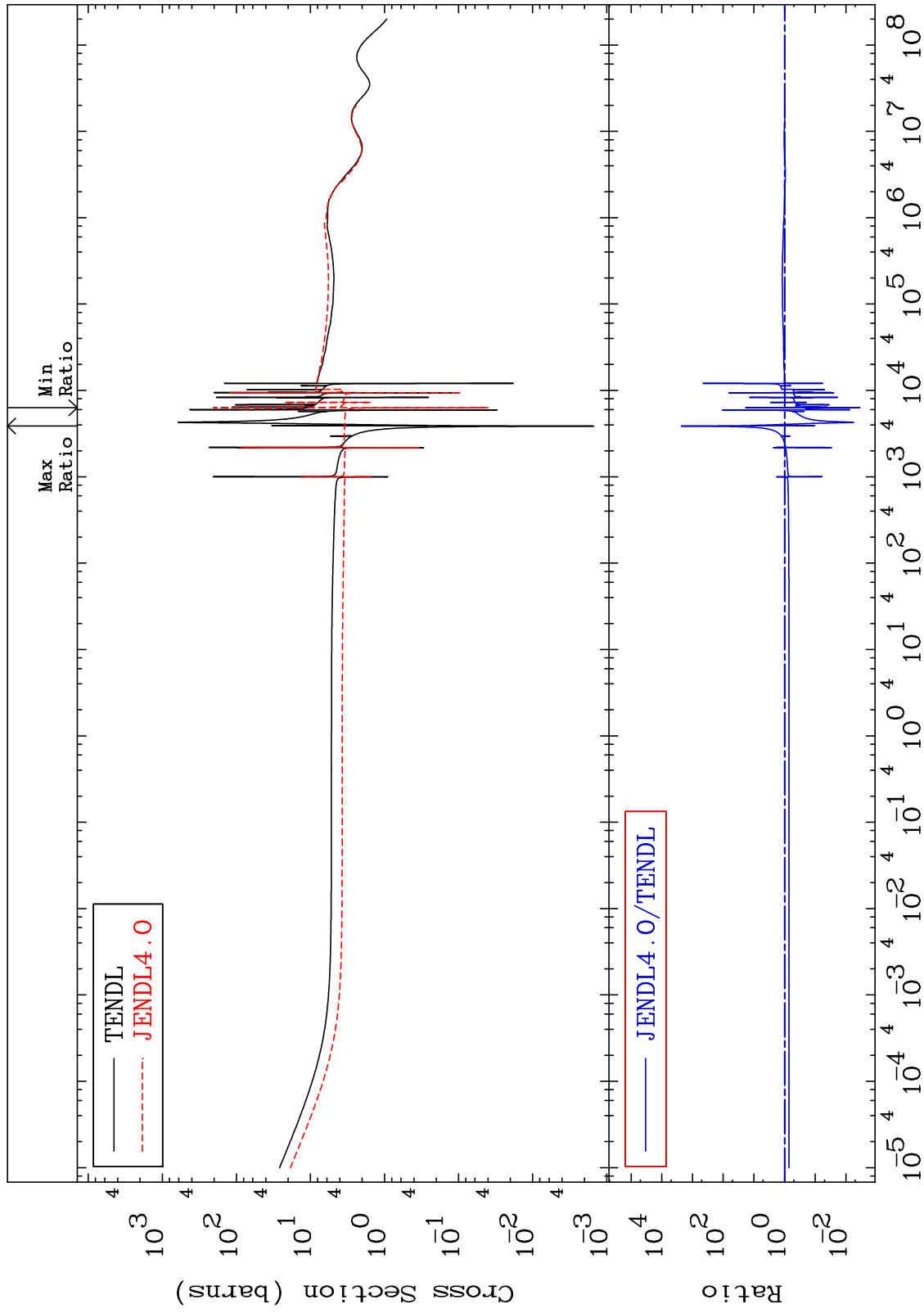
Incident Energy (eV)

54-Xe-134

MAT 5455

Elastic
Cross Section

54-Xe-134
-99.65 To 9999. %

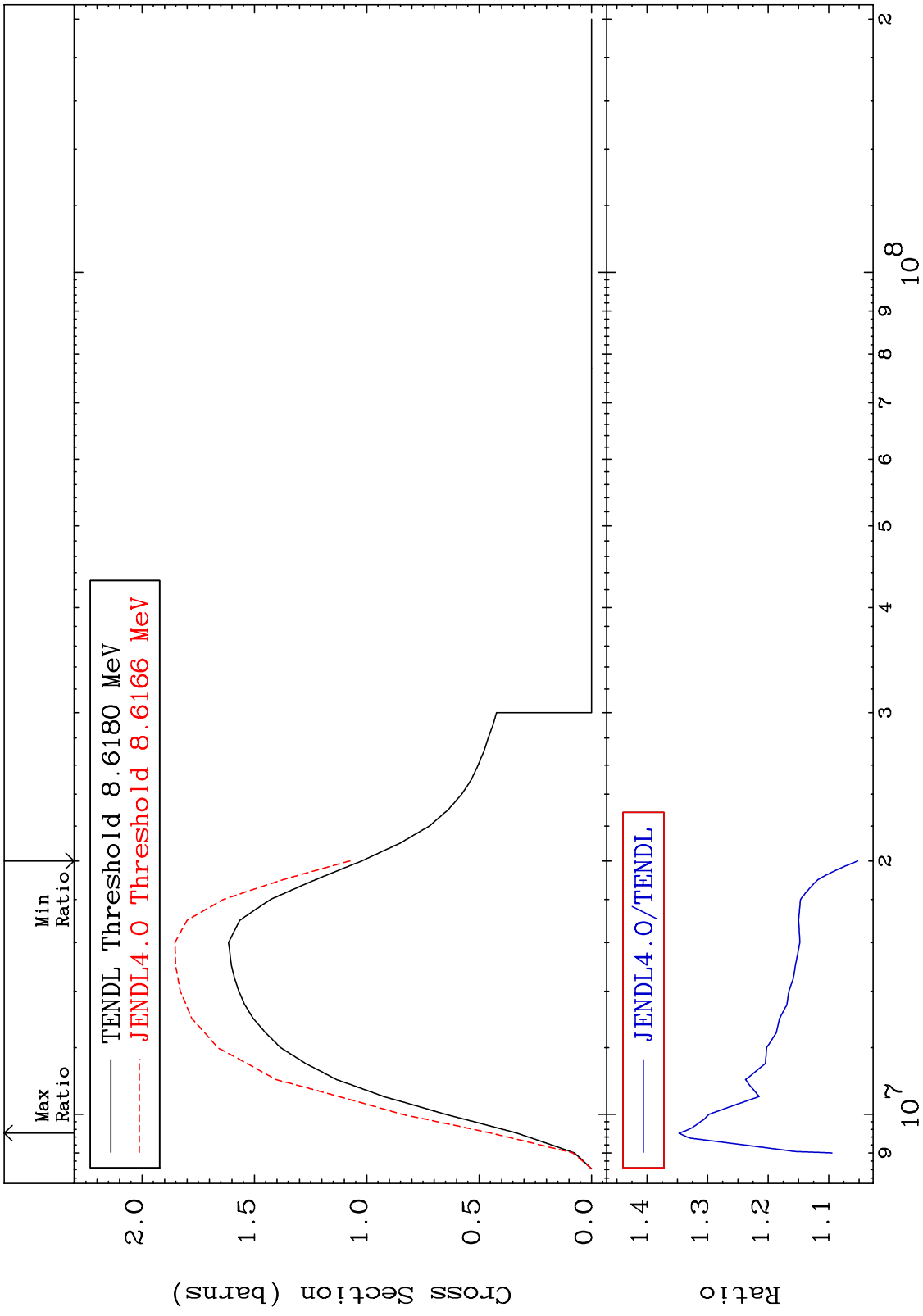


2

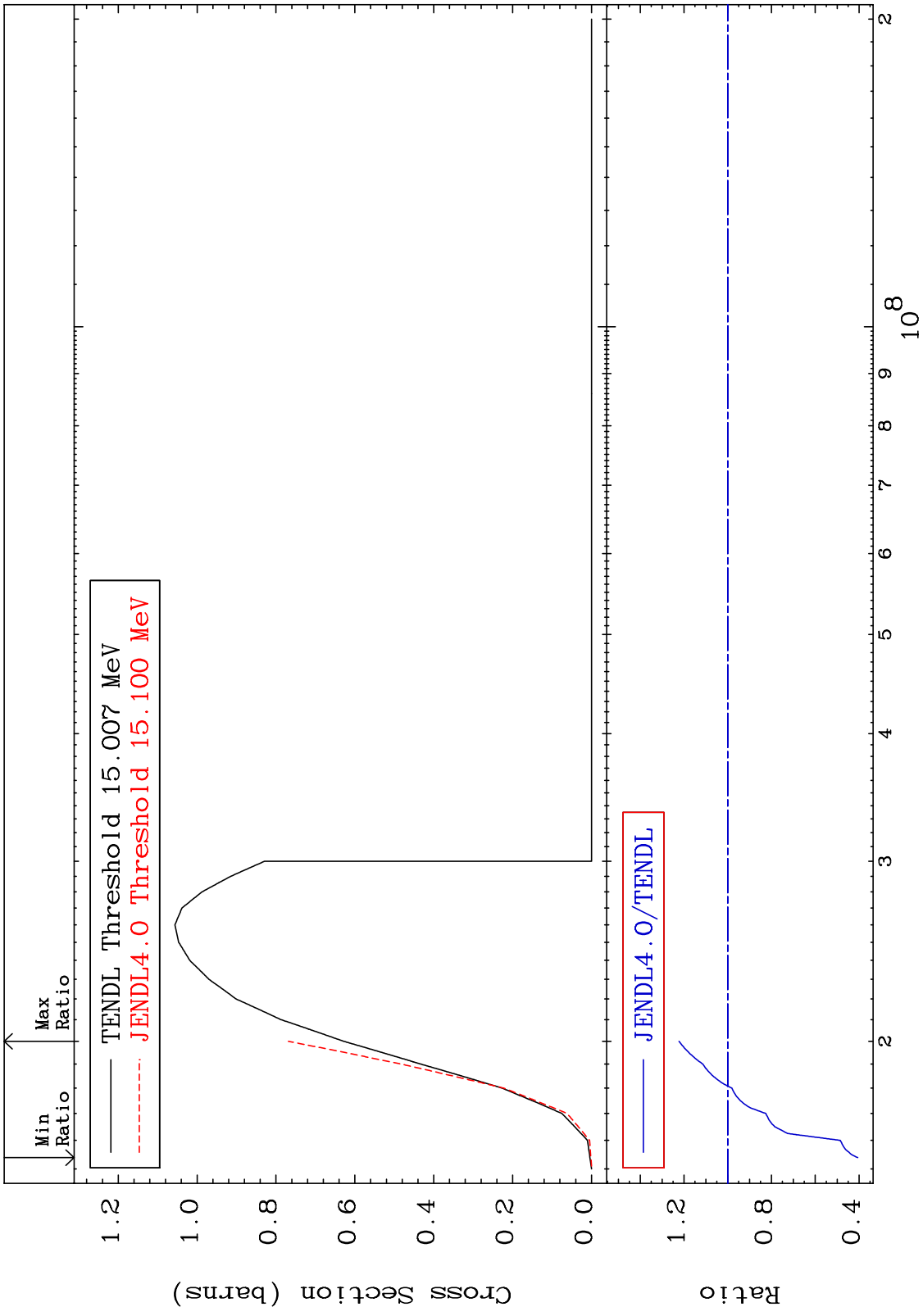
Incident Energy (eV)

54-Xe-134

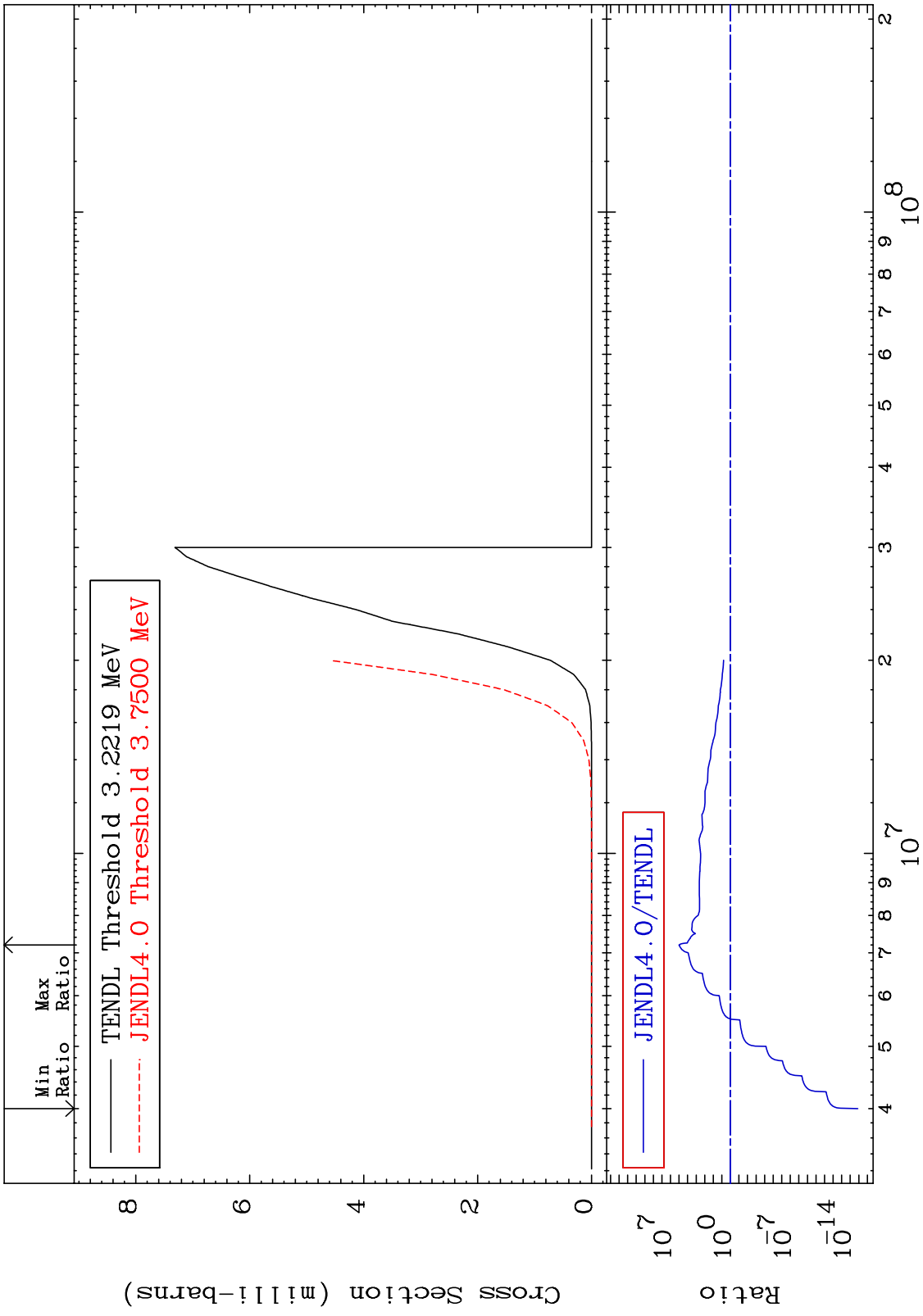
MAT 5455 (n,2n) Cross Section 54-Xe-134 To 34.73 % 5.198



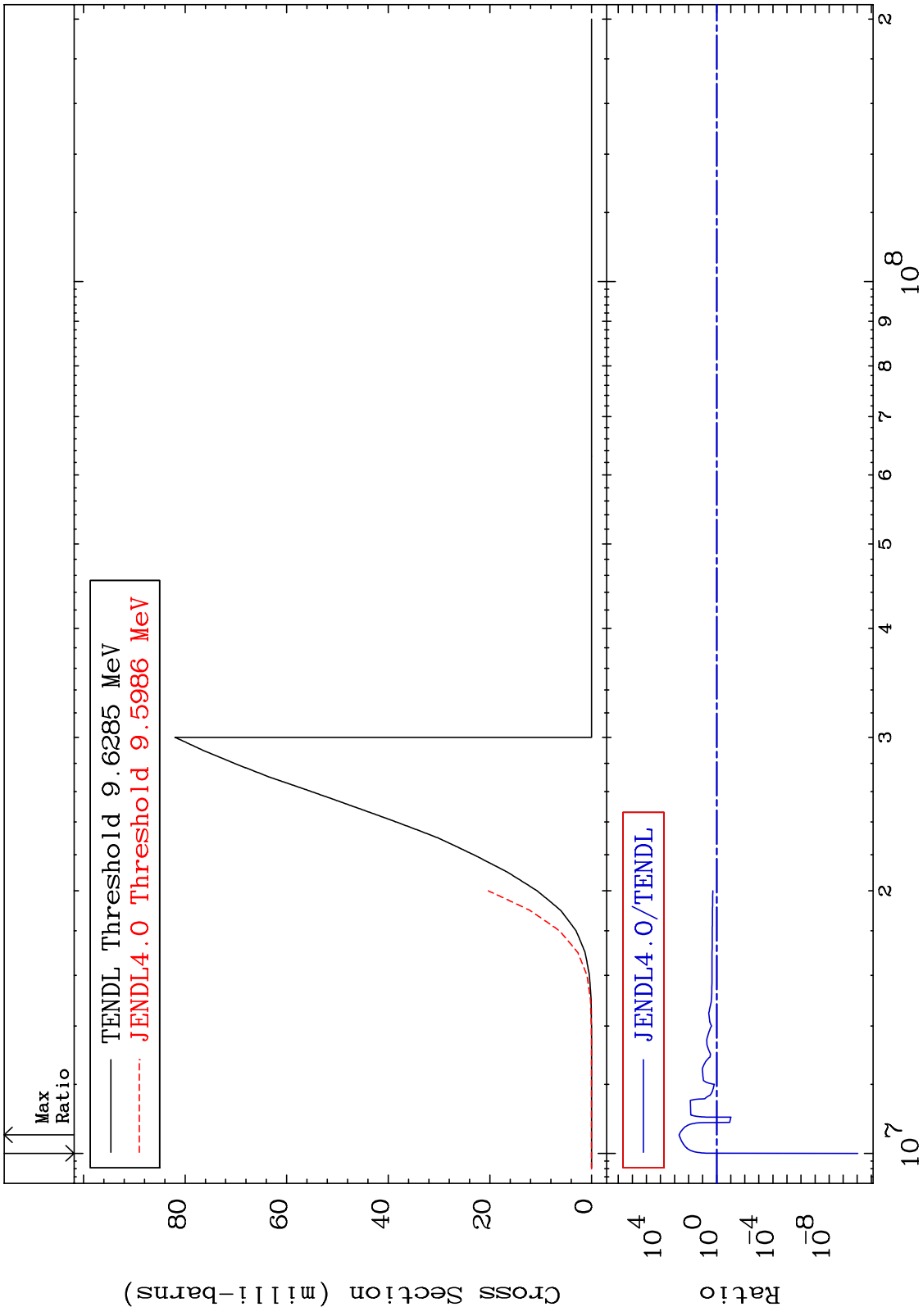
MAT 5455 (n,3n) Cross Section 54-Xe-134 -59.46 To 22.28 %



MAT 5455 $(n, n') \alpha$ 54-Xe-134
 Cross Section -100.0 To 9999. %

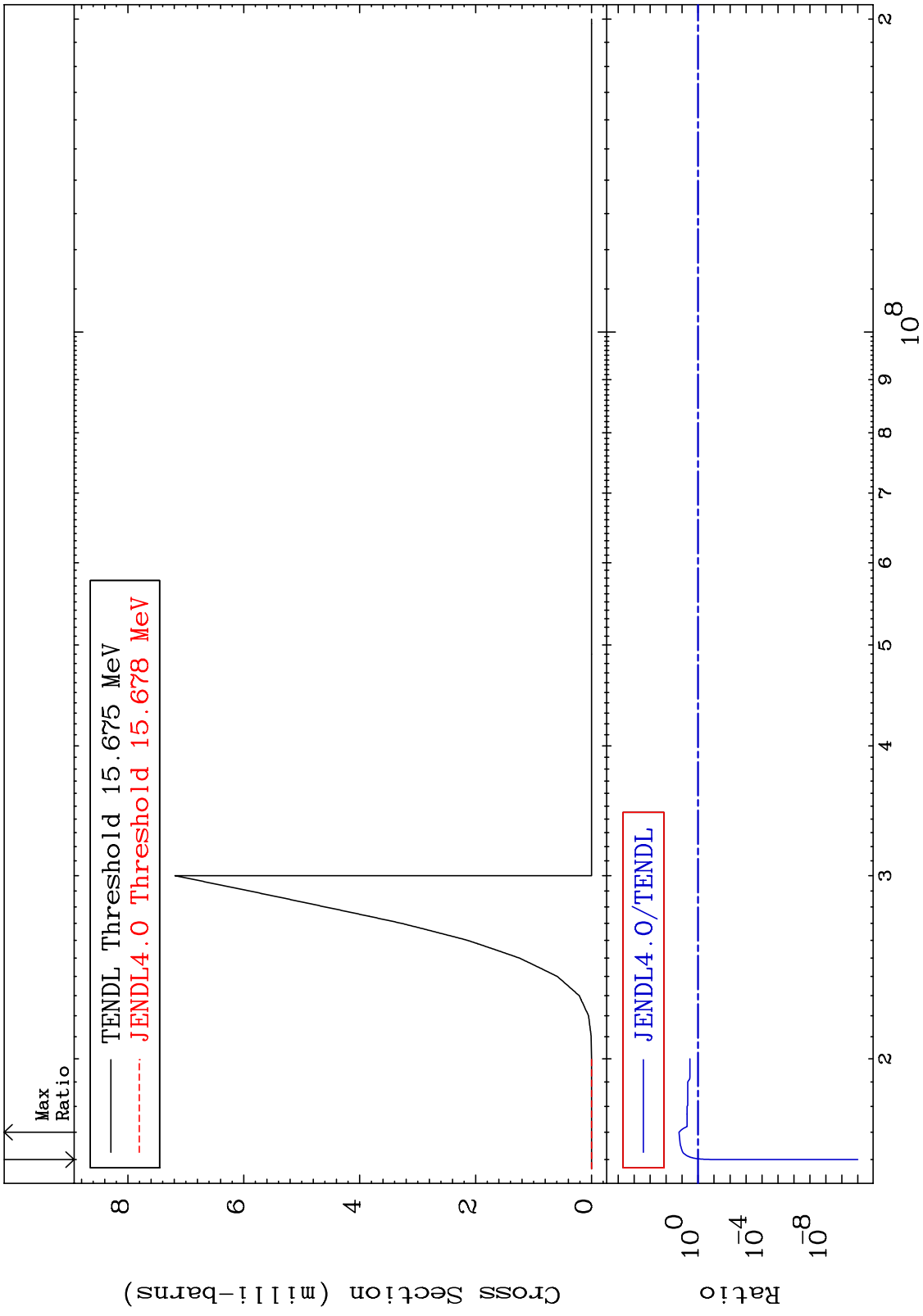


MAT 5455 (n,n') p 54-Xe-134
Cross Section -100.0 To 9999. %

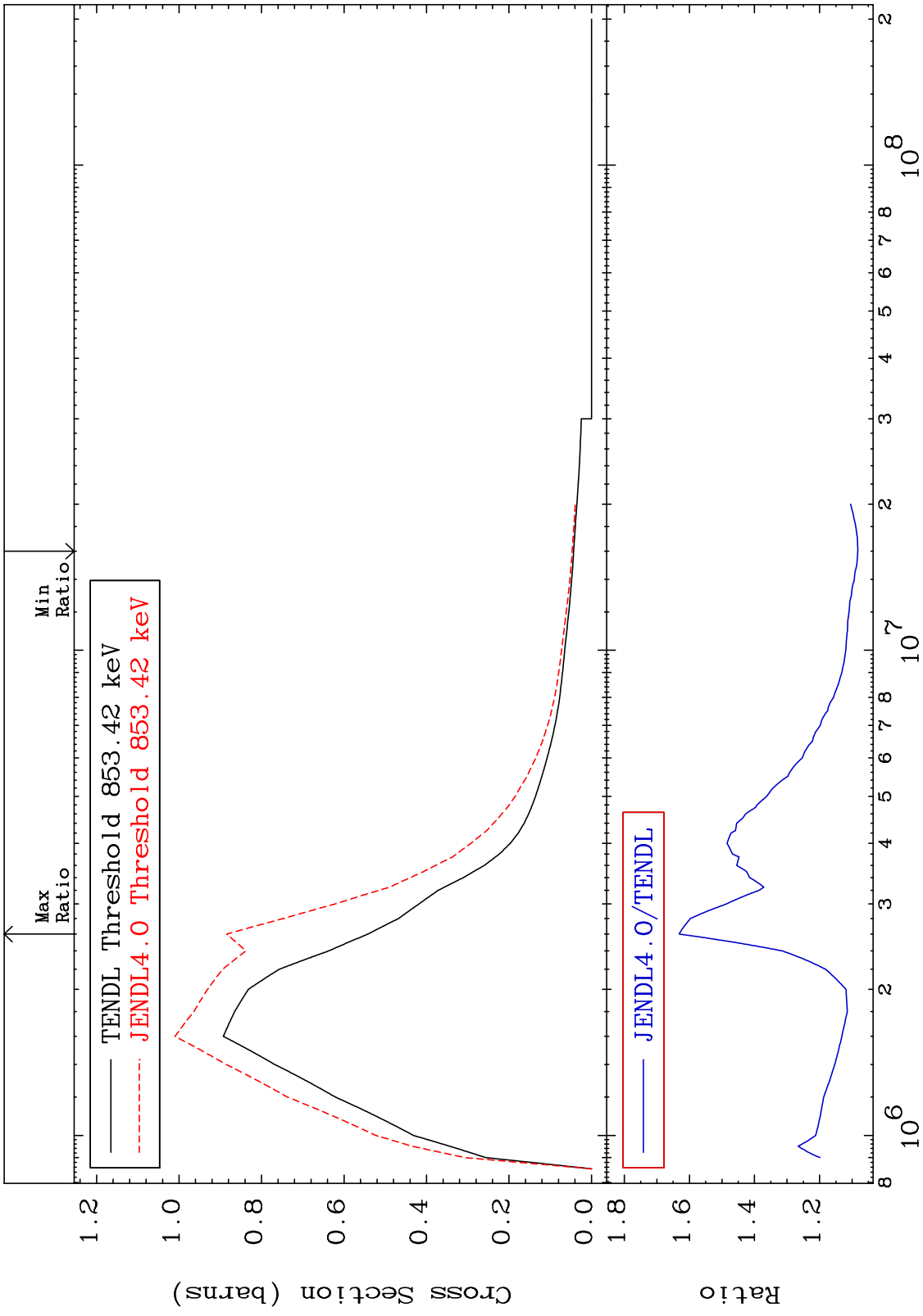


Incident Energy (eV) 54-Xe-134

MAT 5455 (n,n') d 54-Xe-134
 Cross Section -100.0 To 1454. %



MAT 5455 MT= 51 (n,n') Level Cross Section 54-Xe-134 8.236 To 63.19 %

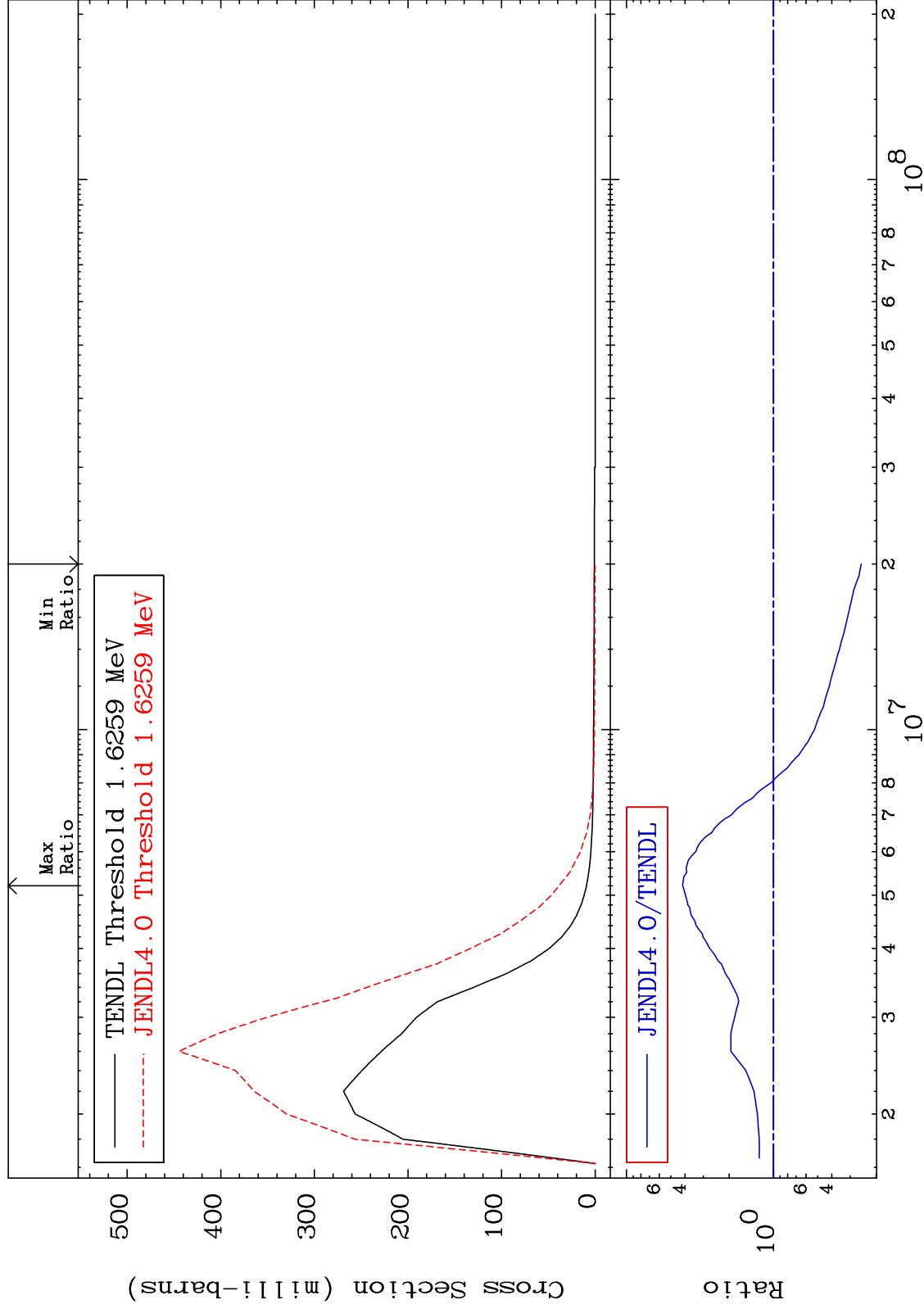


9 54-Xe-134

MAT 5455

MT= 52 (n,n') Level
Cross Section

54-Xe-134
-74.82 To 314.9 %

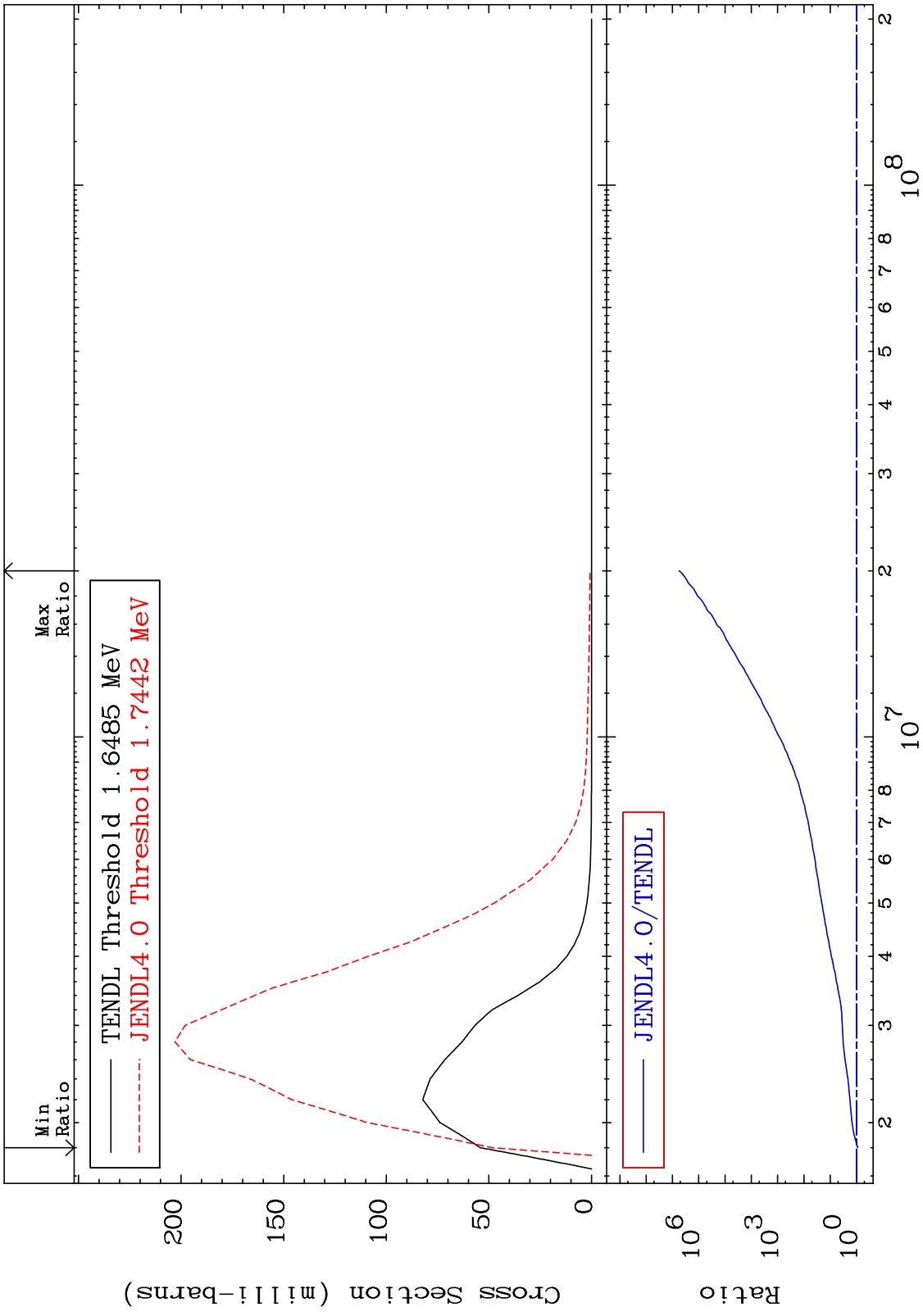


10

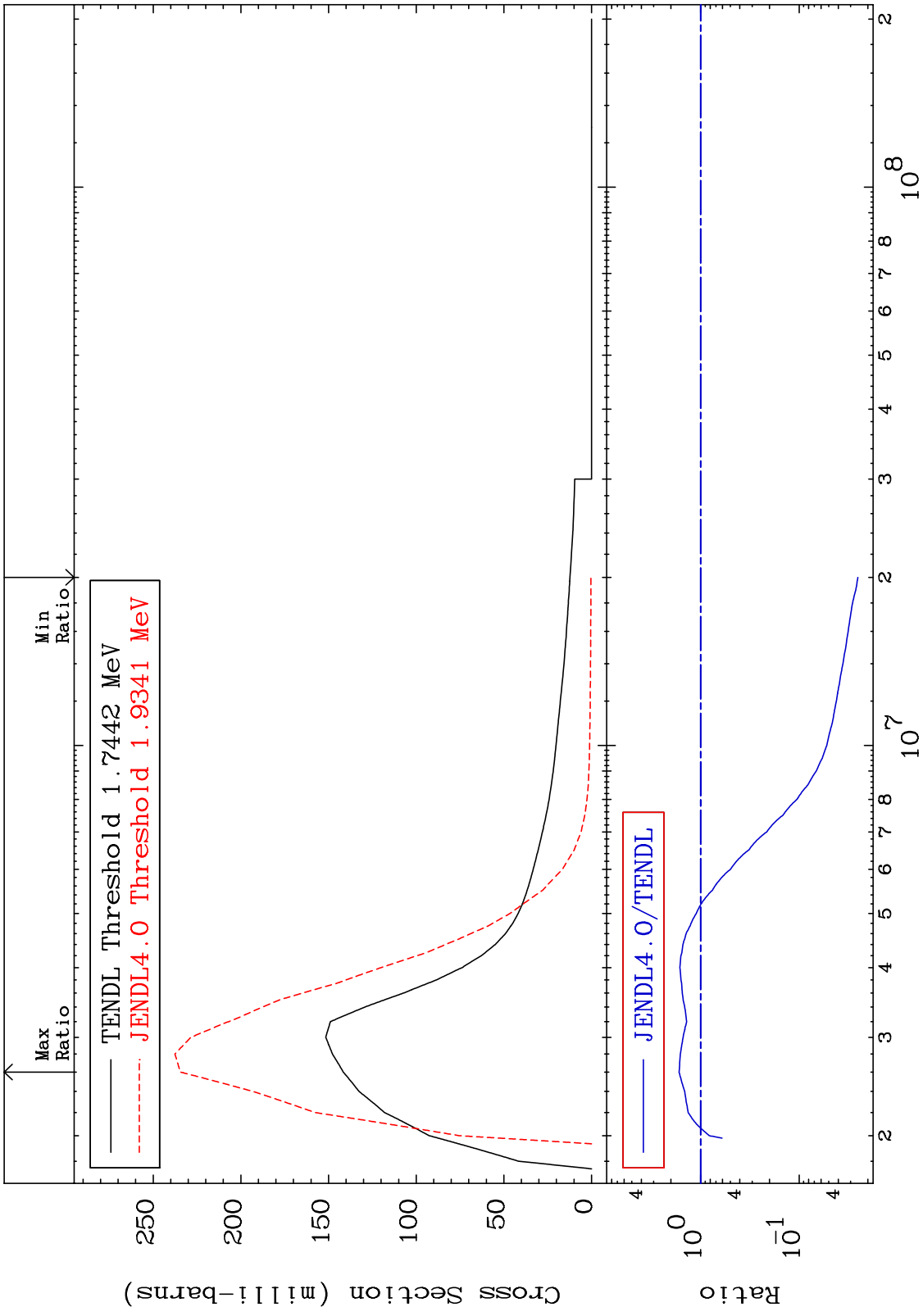
Incident Energy (eV)

54-Xe-134

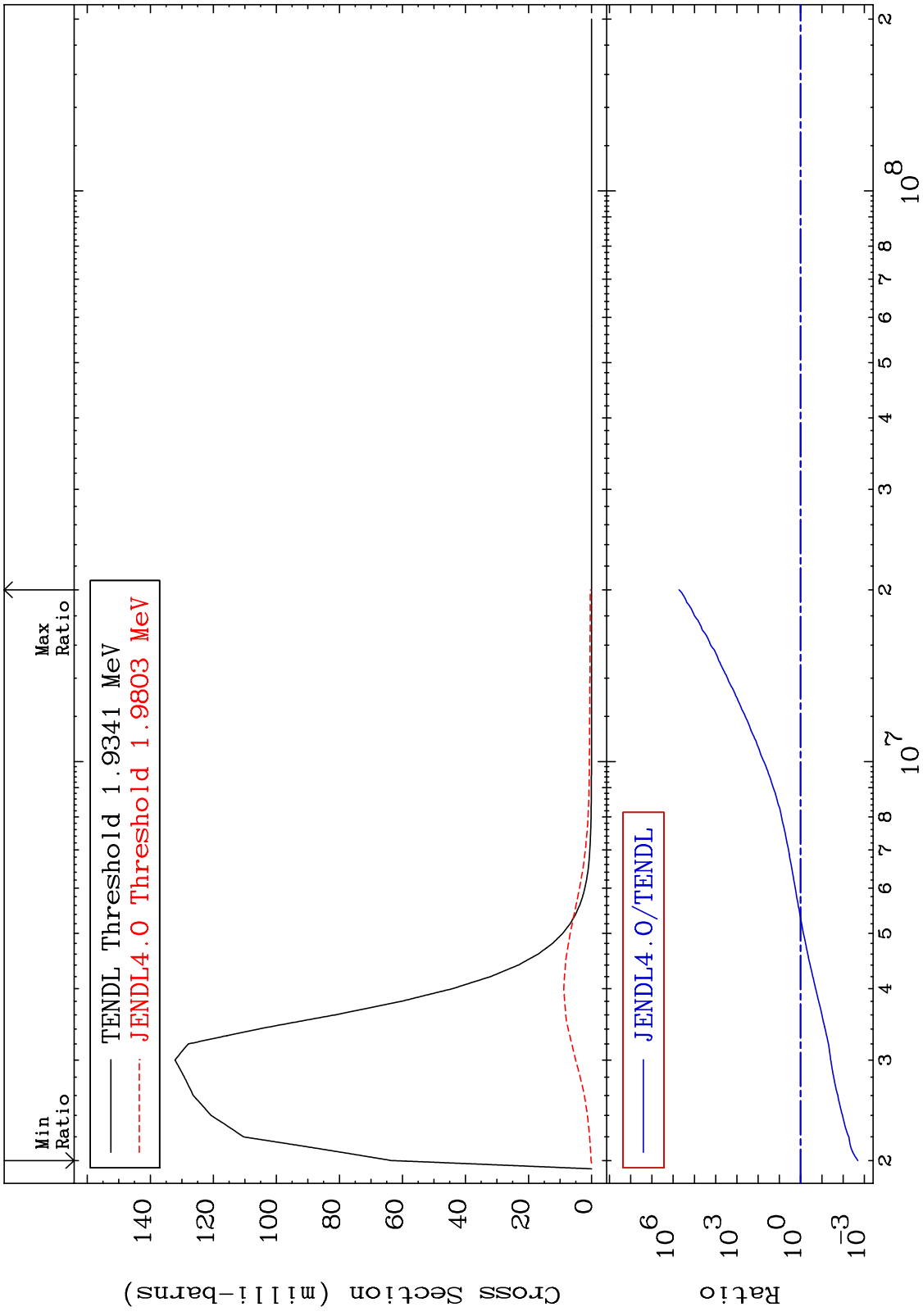
MAT 5455 MT= 53 (n,n') Level Cross Section -11.00 To 9999. % 54-Xe-134



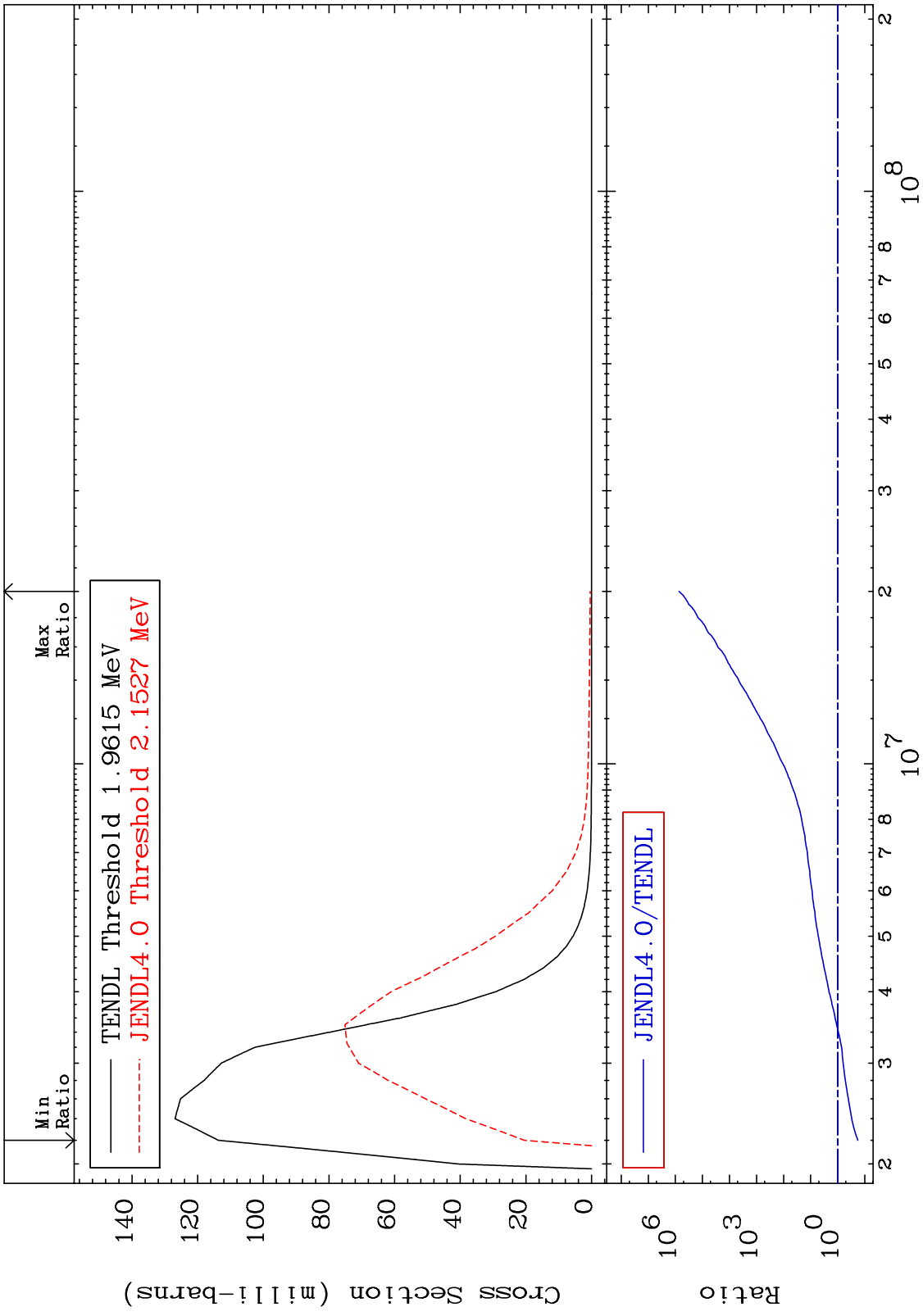
MAT 5455 MT= 54 (n,n') Level Cross Section 54-Xe-134 -97.47 To 65.69 %



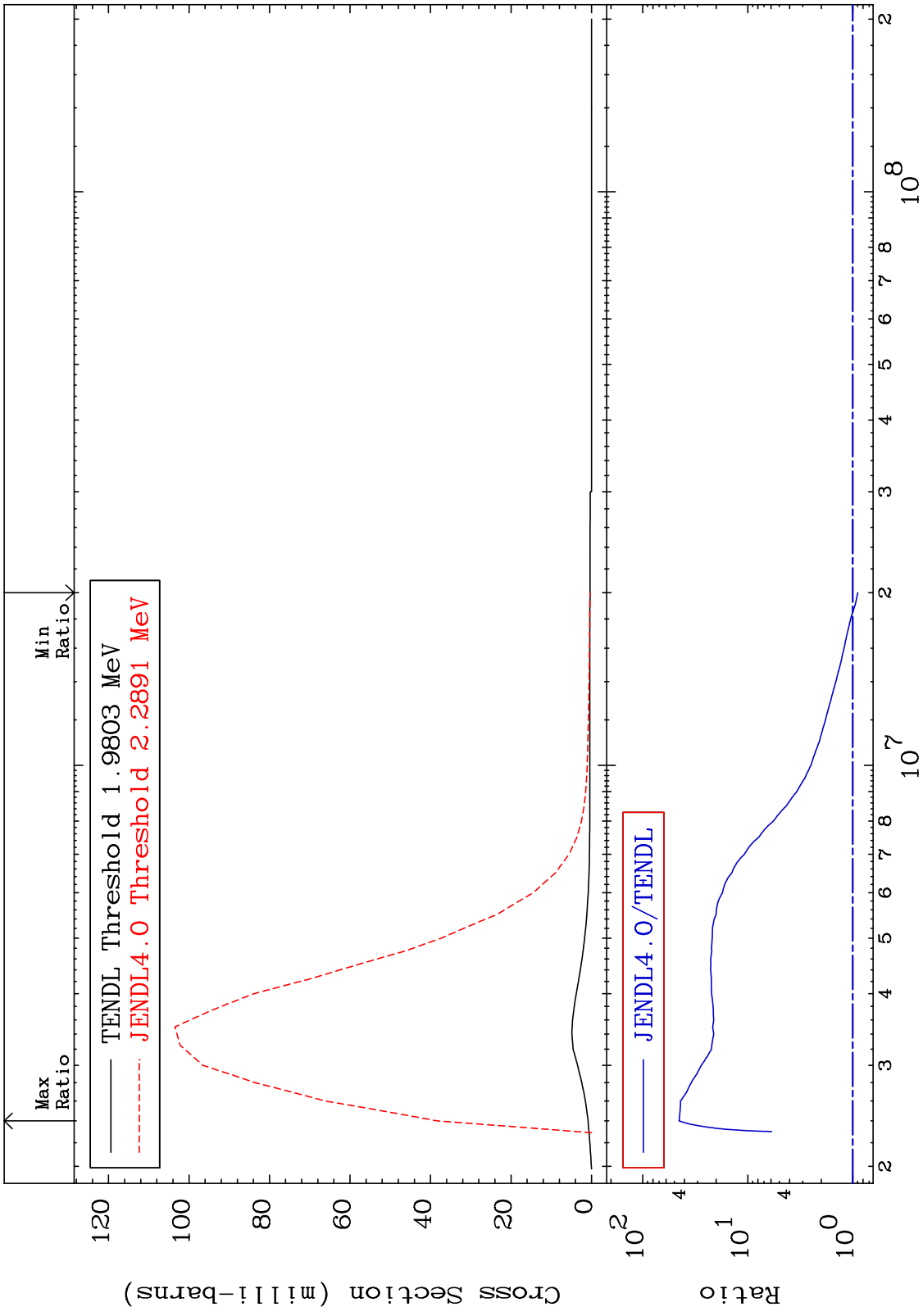
MAT 5455 MT= 55 (n,n') Level Cross Section 54-Xe-134 -99.80 To 9999. %



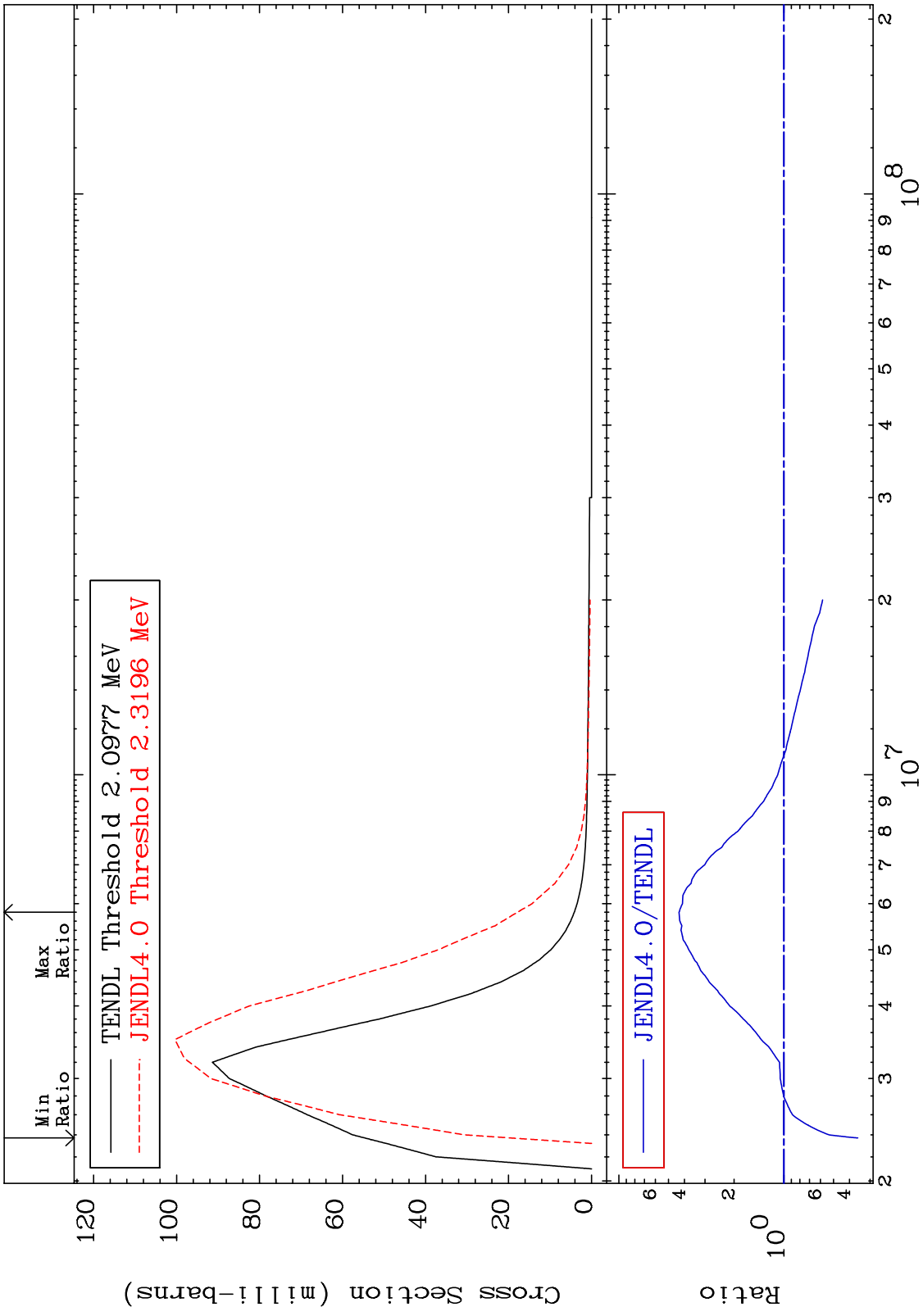
MAT 5455 MT= 56 (n,n') Level Cross Section 54-Xe-134 -81.96 To 9999. %



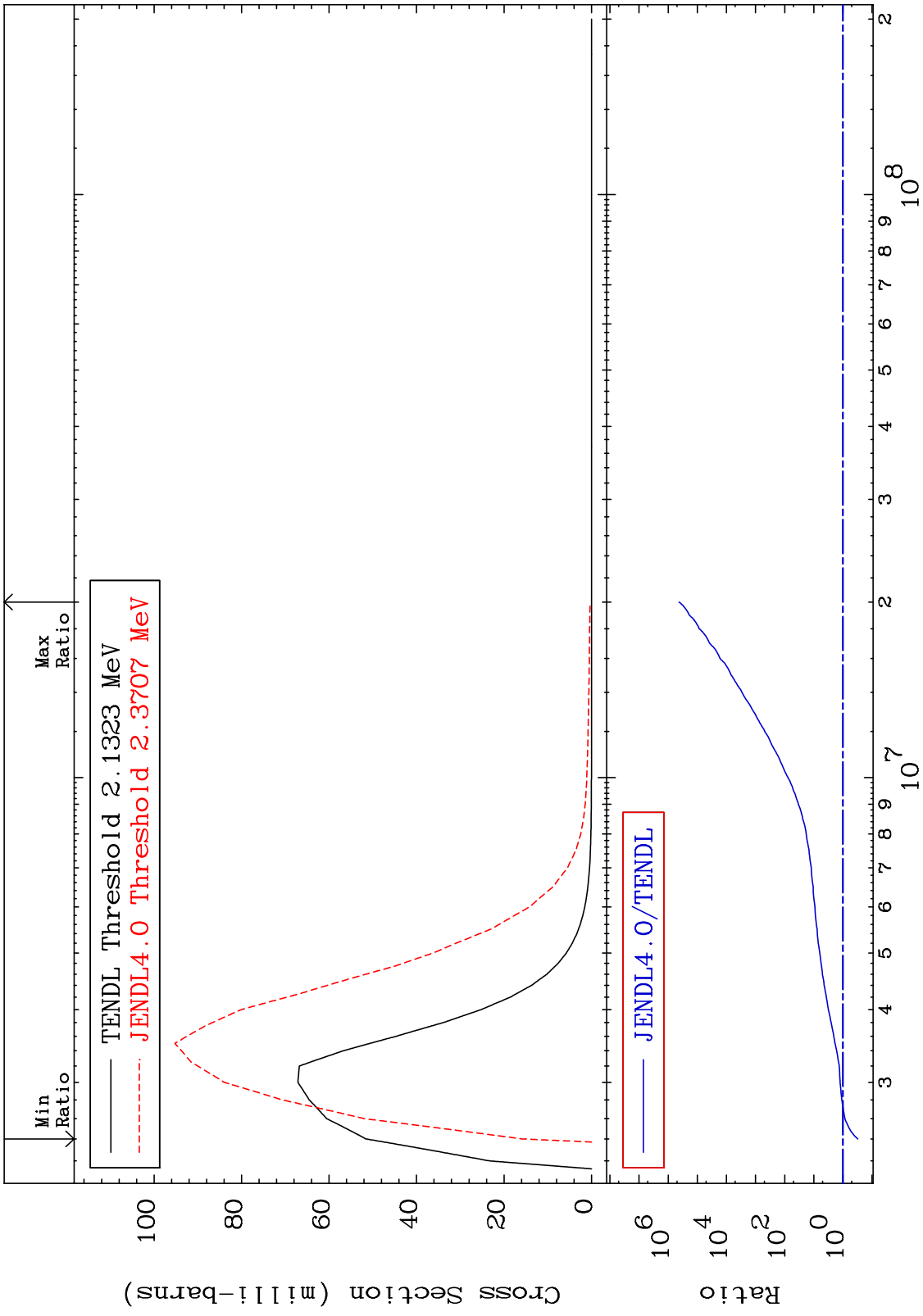
MAT 5455 MT= 57 (n,n') Level Cross Section 54-Xe-134 -10.36 To 4410. %



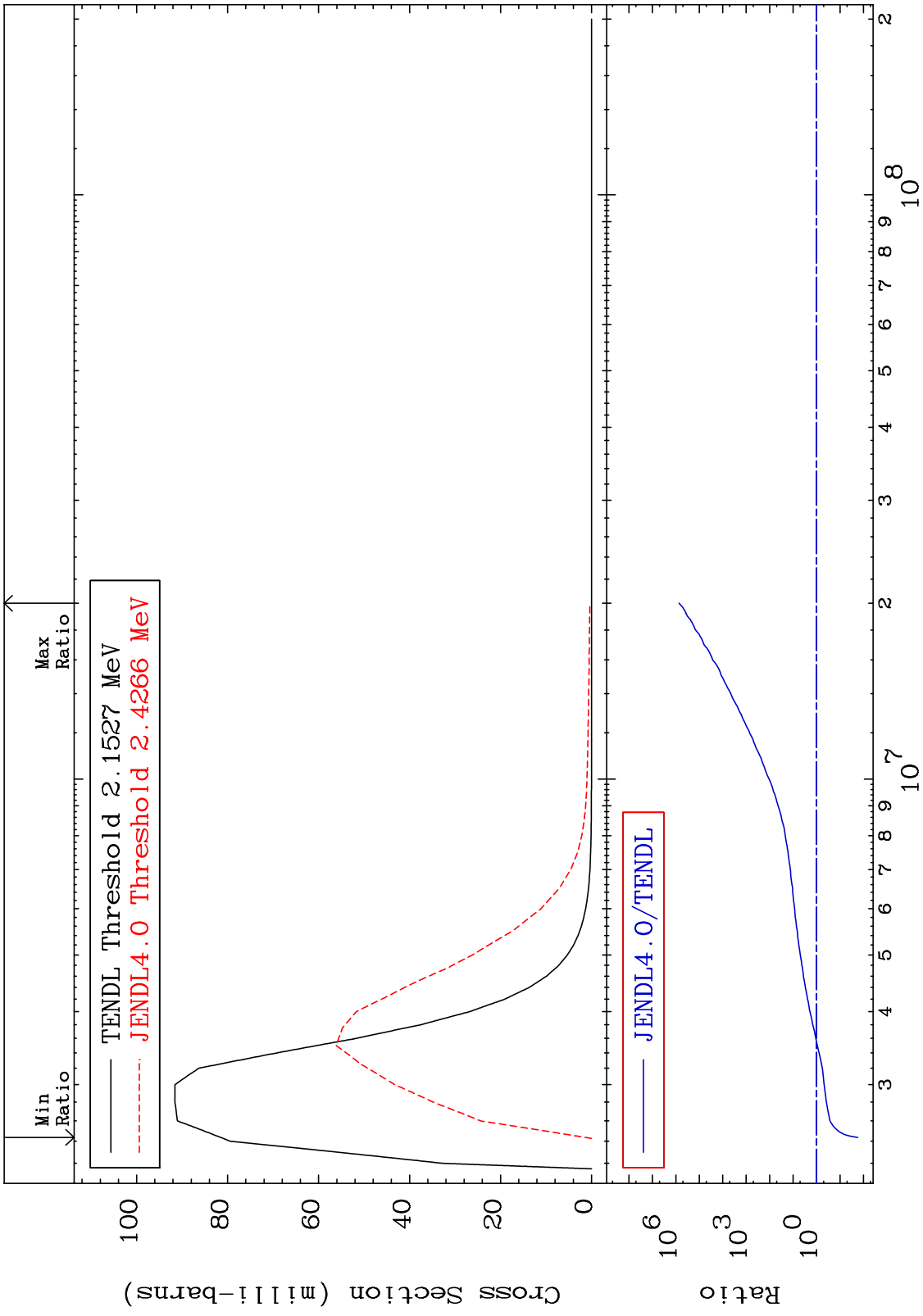
MAT 5455 MT= 58 (n,n') Level Cross Section 54-Xe-134 -64.40 To 331.4 %



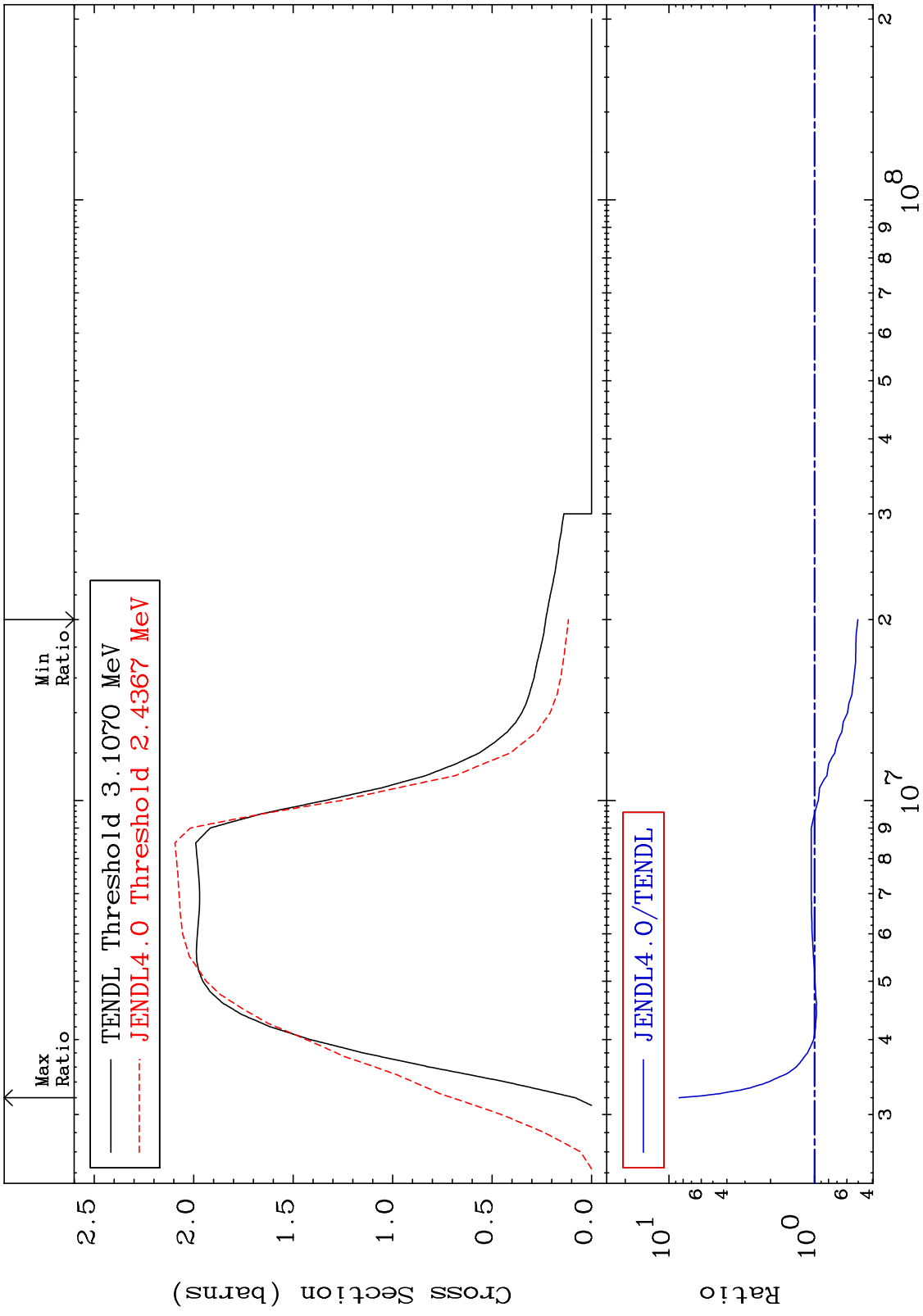
MAT 5455 MT= 59 (n,n') Level Cross Section 54-Xe-134 -69.12 To 9999. %



MAT 5455 MT= 60 (n,n') Level Cross Section 54-Xe-134 -98.26 To 9999. %



MAT 5455 (n, n') Continuum Cross Section 54-Xe-134 -49.65 To 752.5 %



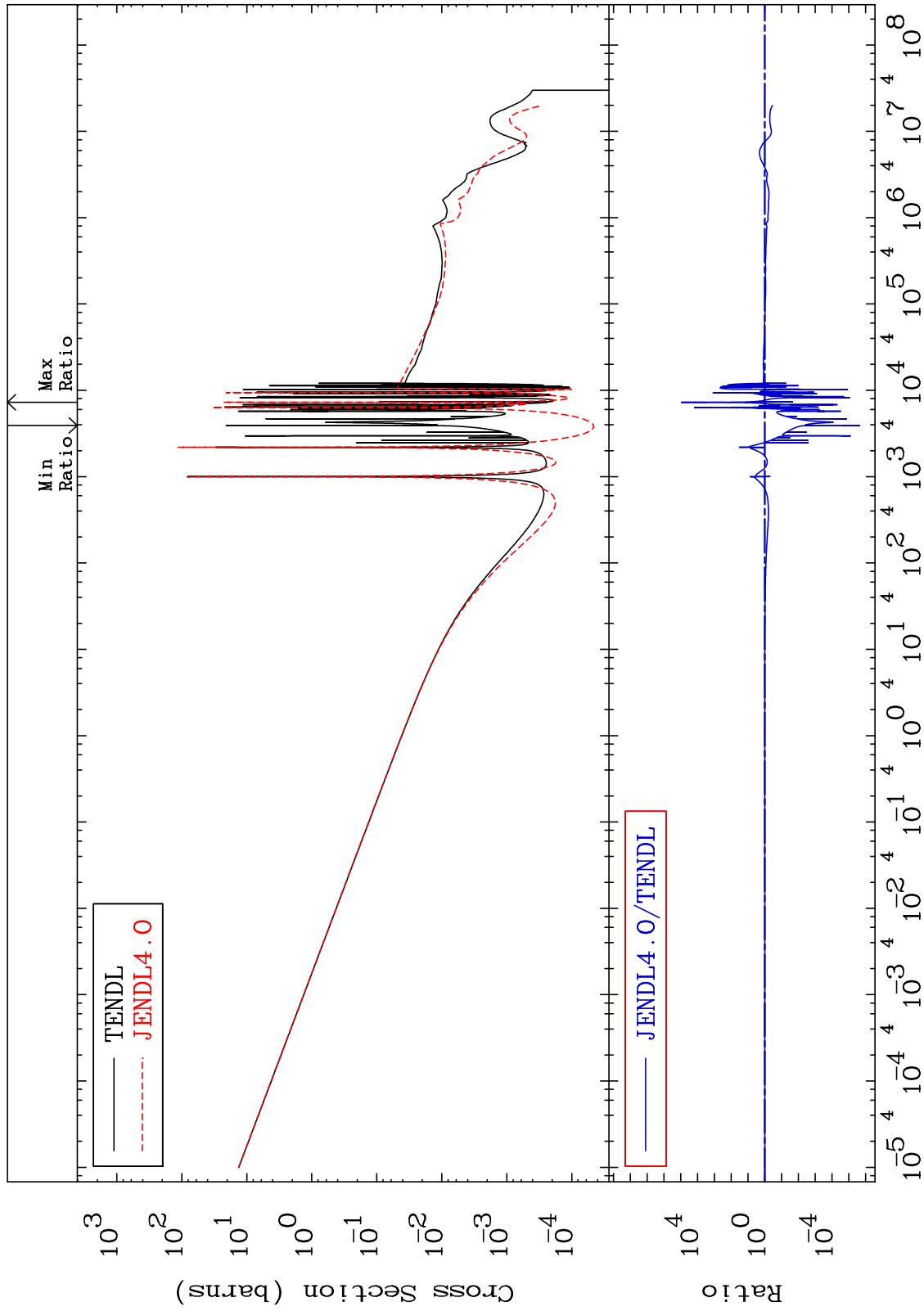
MAT 5455

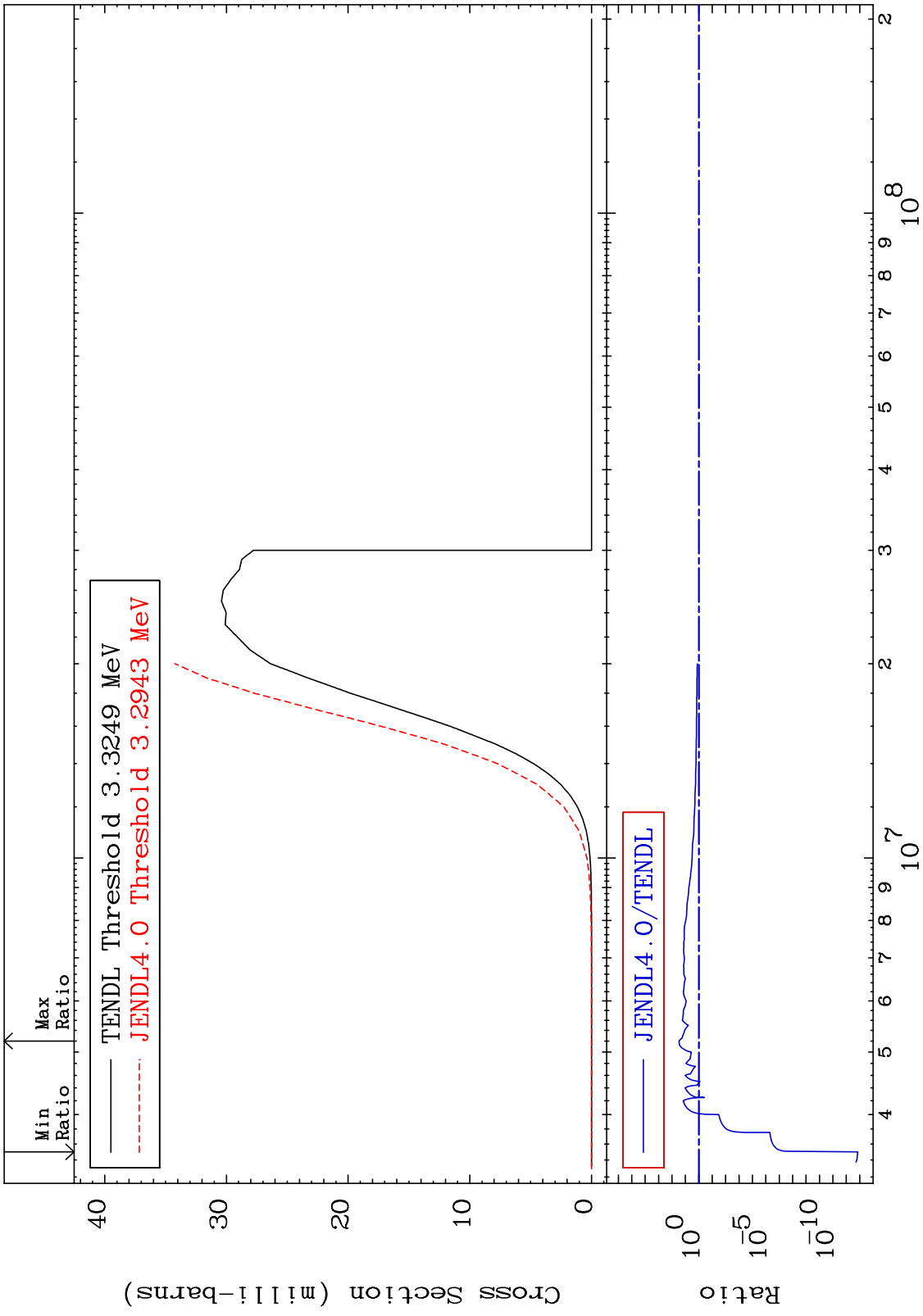
(n, γ)

54-Xe-134

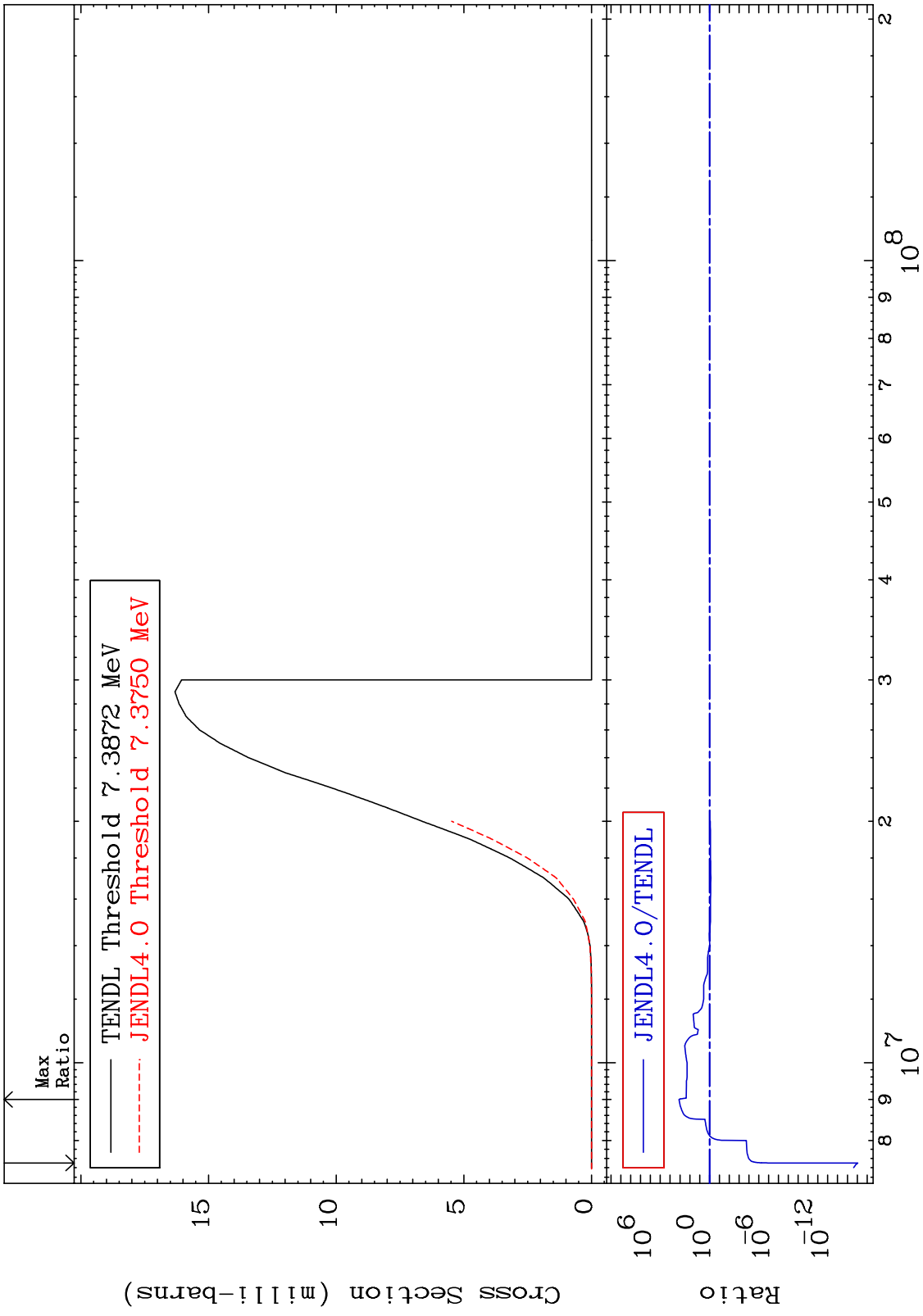
-100.0 To 9999. %

Cross Section



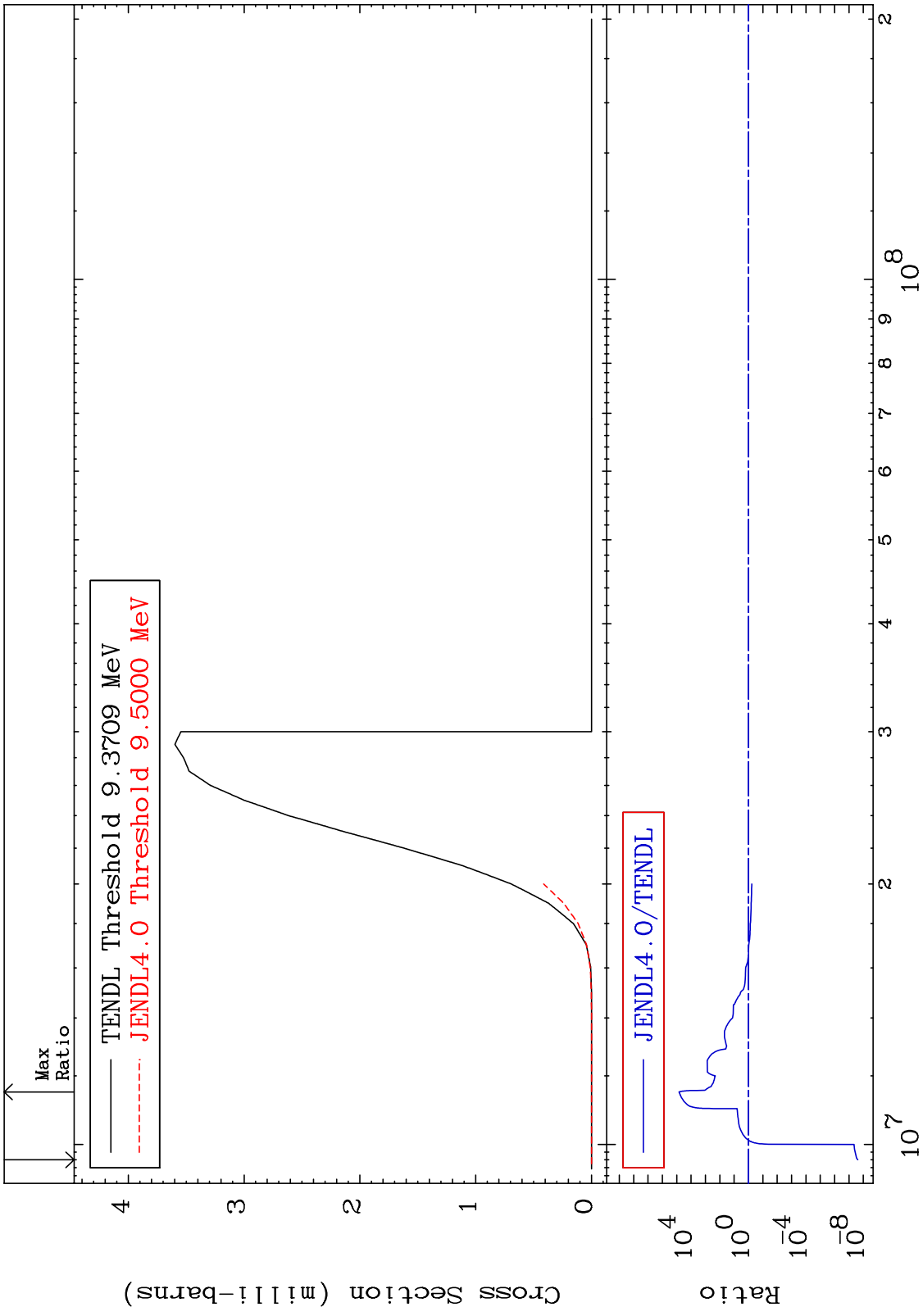


MAT 5455 (n,d) Cross Section 54-Xe-134 -100.0 To 9999. %

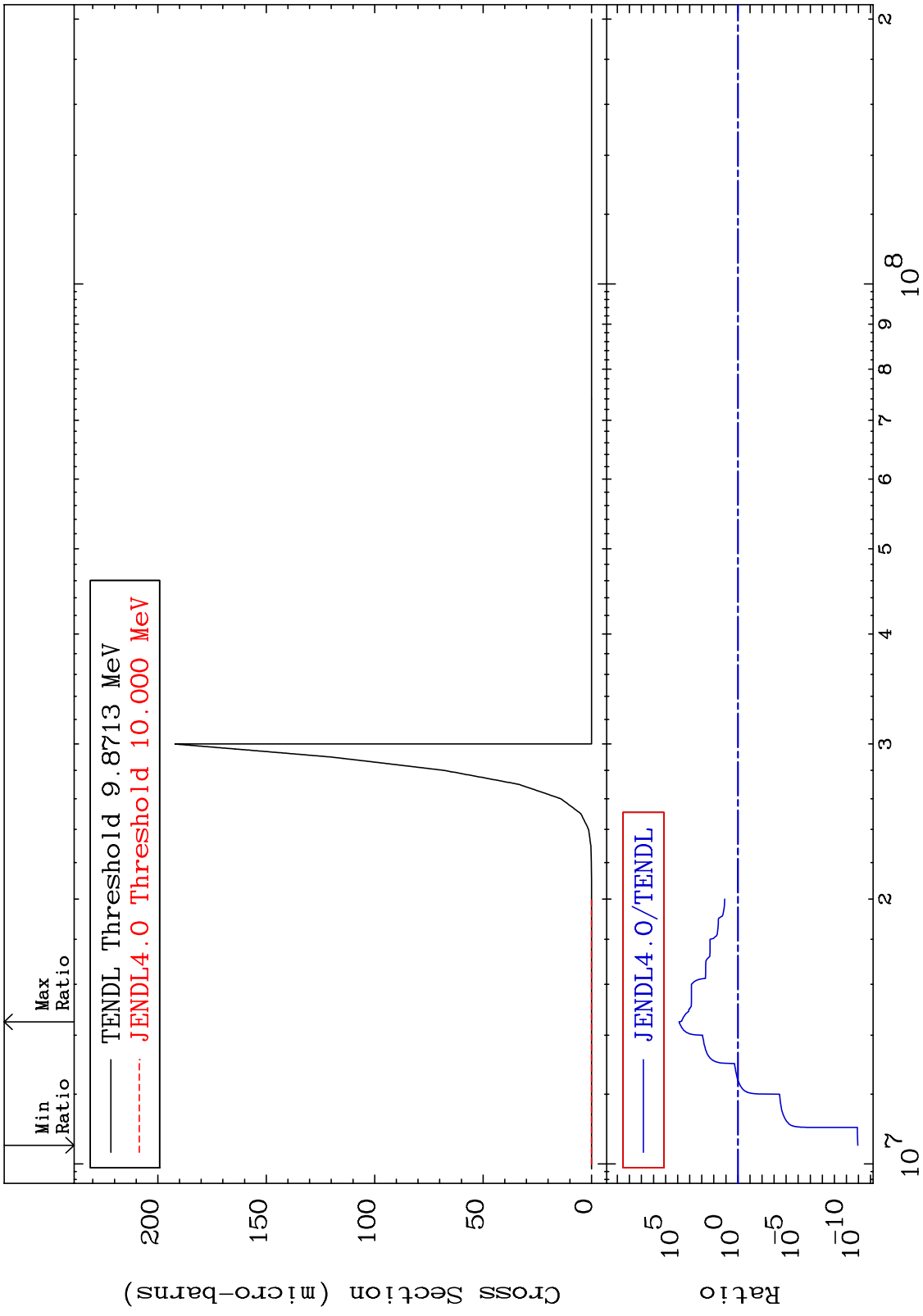


Incident Energy (eV) 54-Xe-134

MAT 5455 (n,t) 54-Xe-134
Cross Section -100.0 To 9999. %



MAT 5455 (n, He-3) 54-Xe-134
 Cross Section -100.0 To 9999. %



MAT 5455

(n, α)

54-Xe-134

-46.48 To 9999. %

Cross Section

Max Ratio

Min Ratio

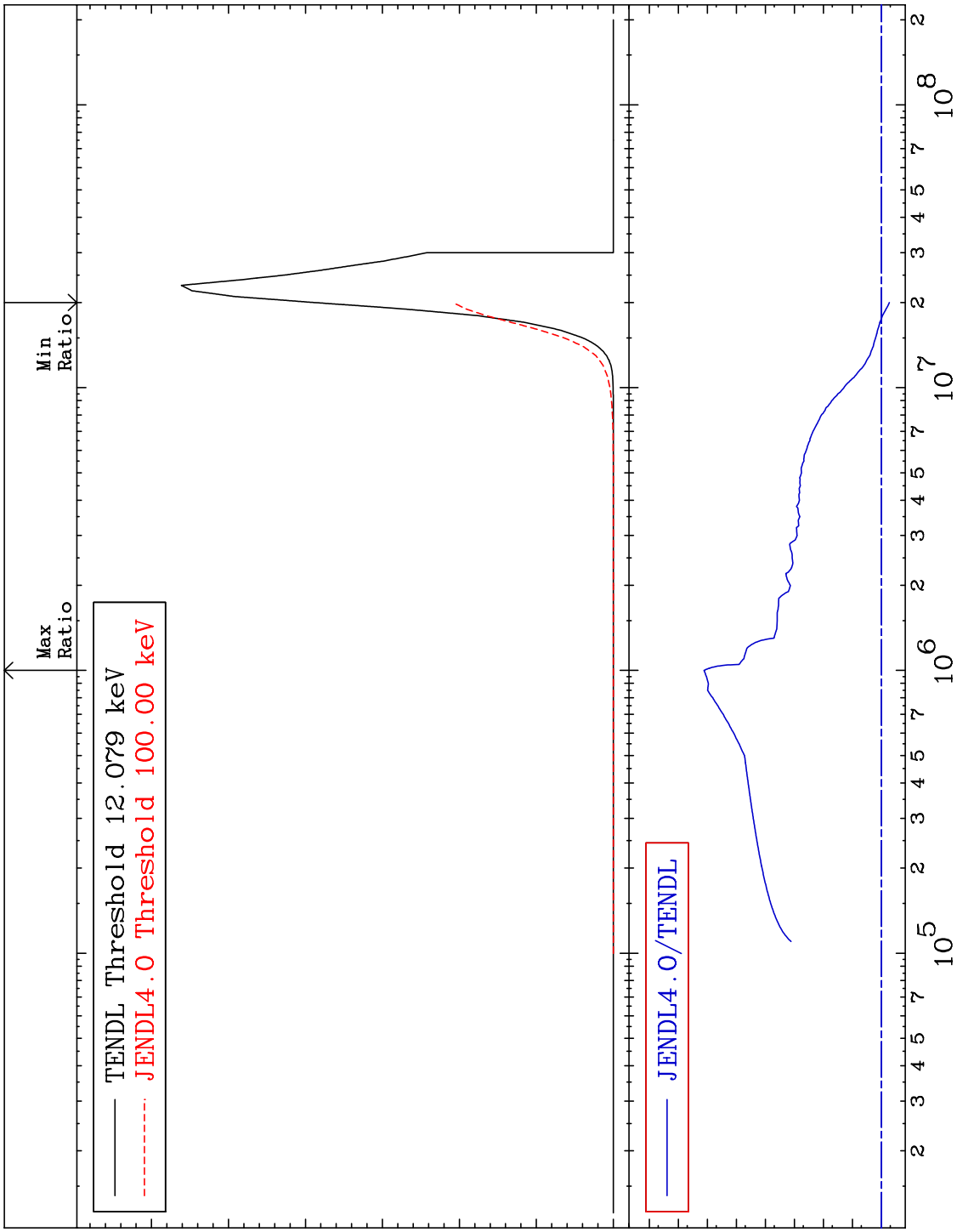
TENDL Threshold 12.079 keV
JENDL4.0 Threshold 100.00 keV

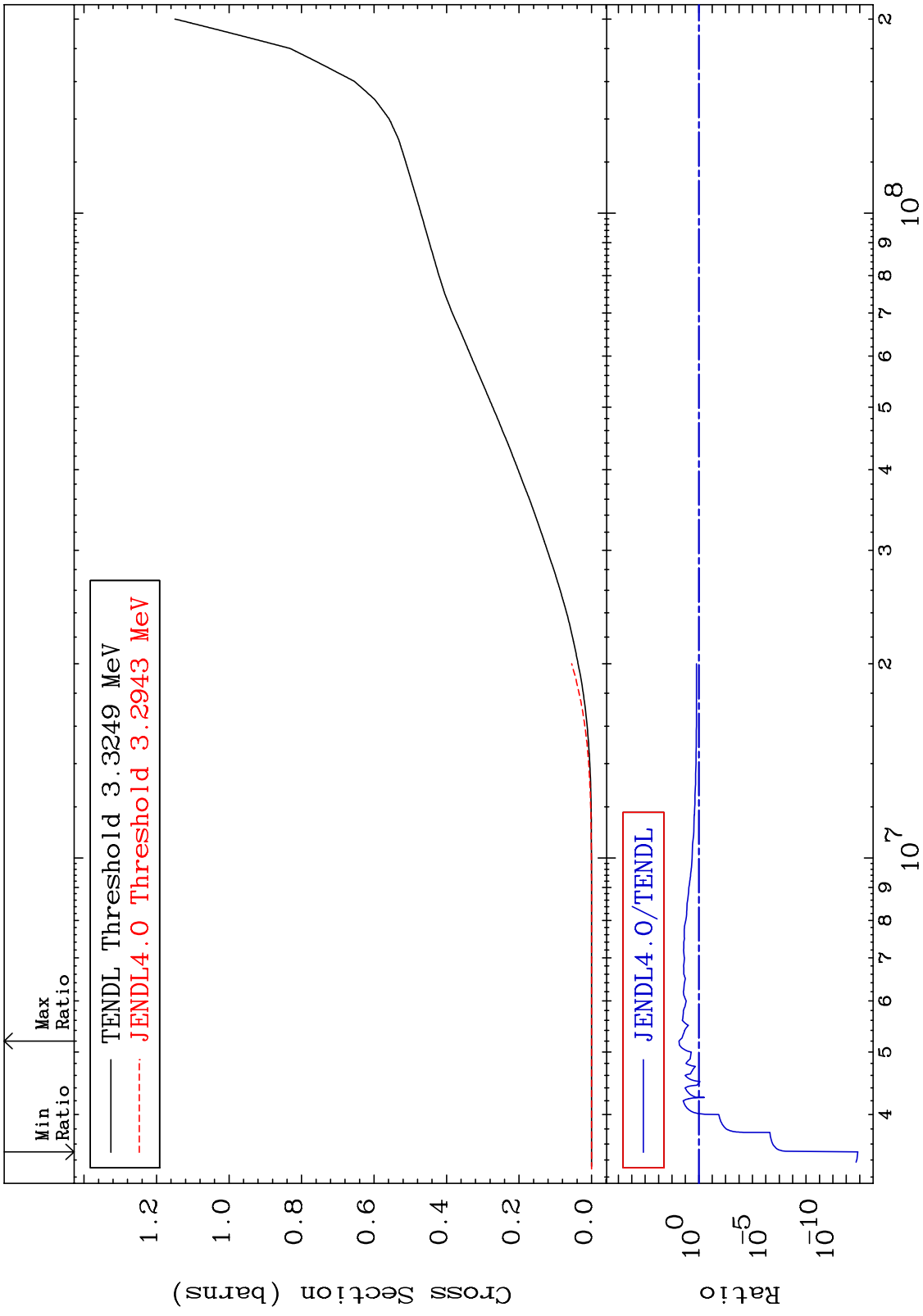
Cross Section (milli-barns)

6
5
4
3
2
1
0

JENDL4.0/TENDL

Ratio
 10^6
 10^4
 10^2
 10^0

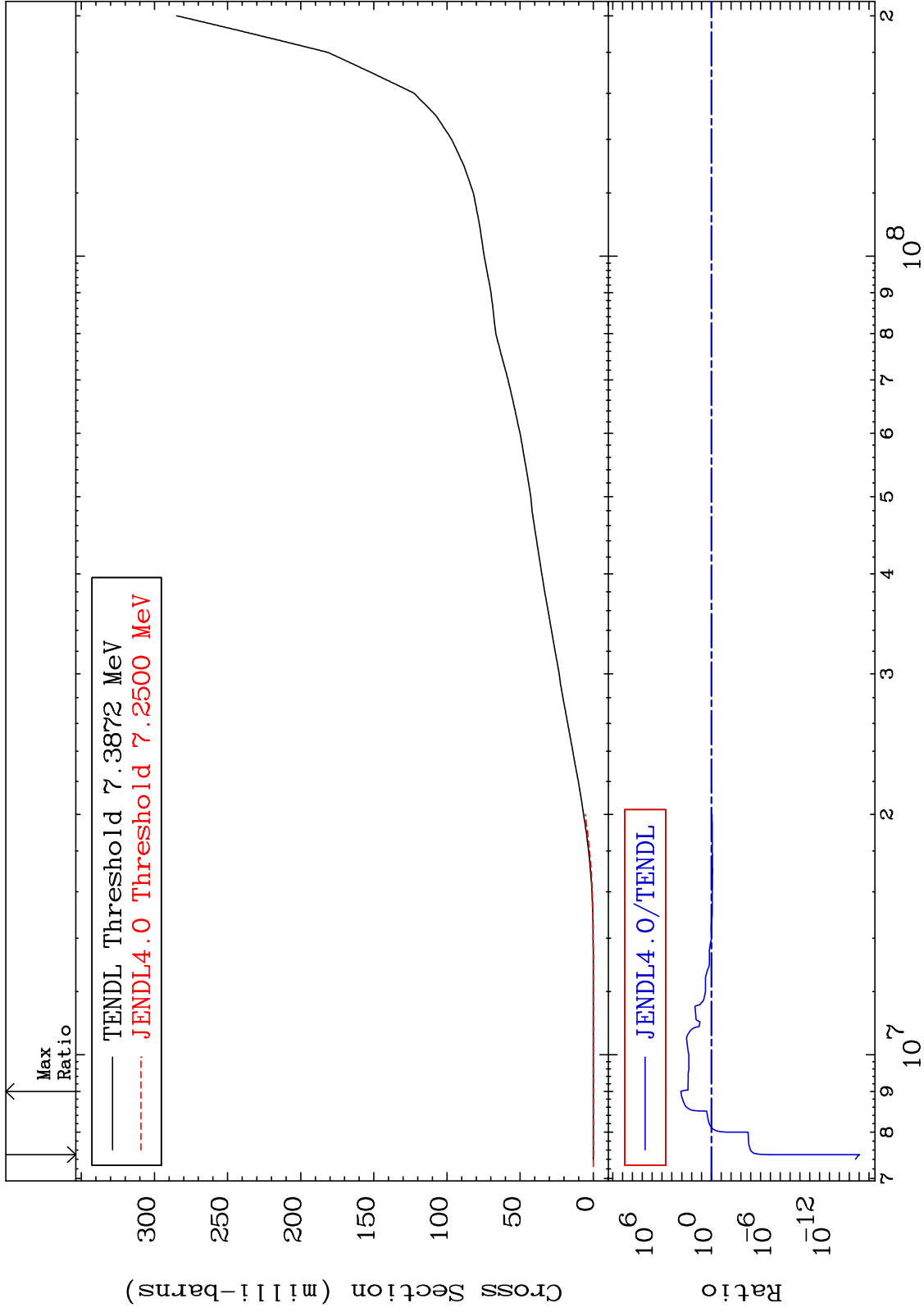




MAT 5455

Deuterium Production
Cross Section

54-Xe-134
-100.0 To 9999. %



27

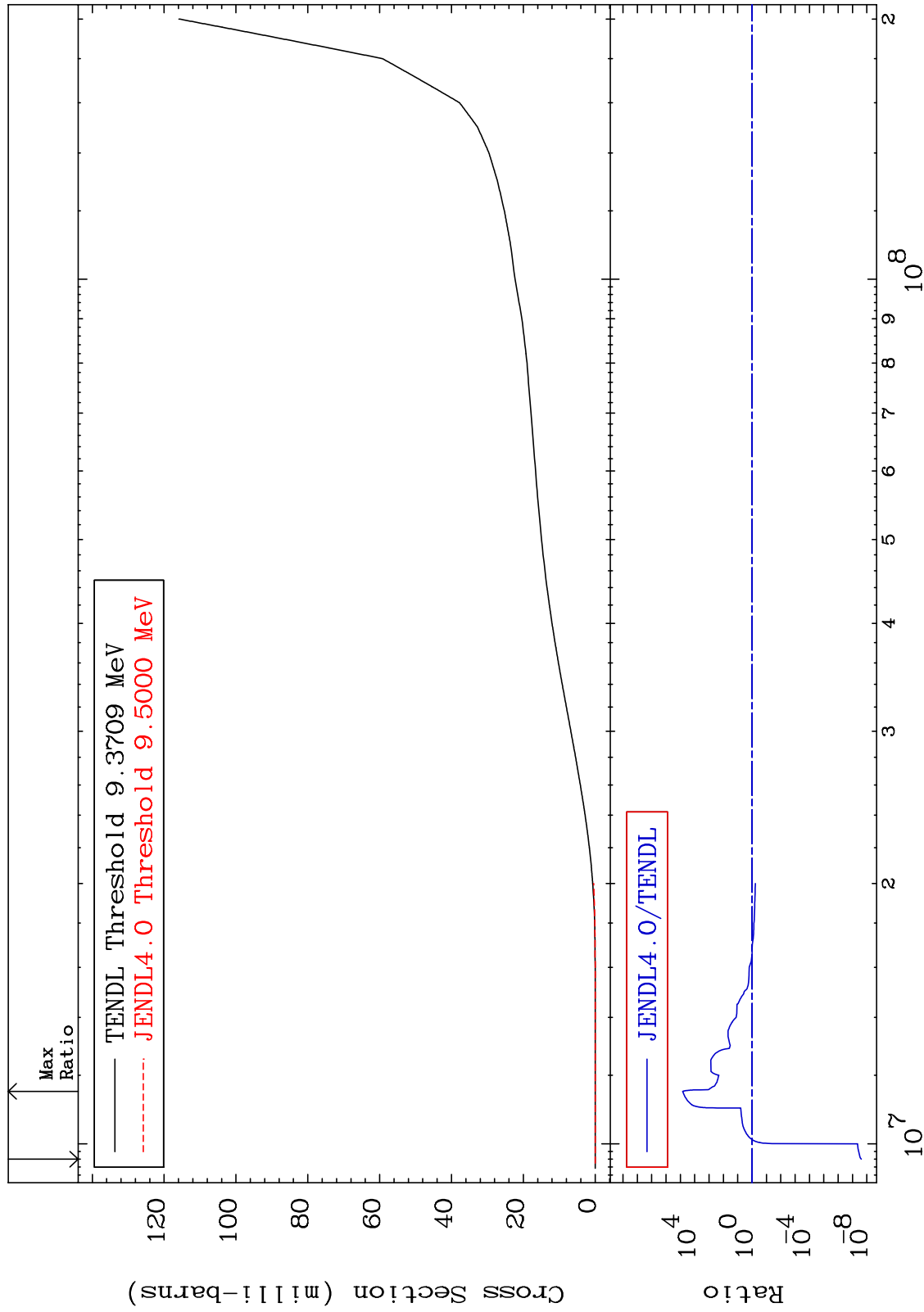
Incident Energy (eV)

54-Xe-134

MAT 5455

Tritium Production
Cross Section

54-Xe-134
-100.0 To 9999. %



28

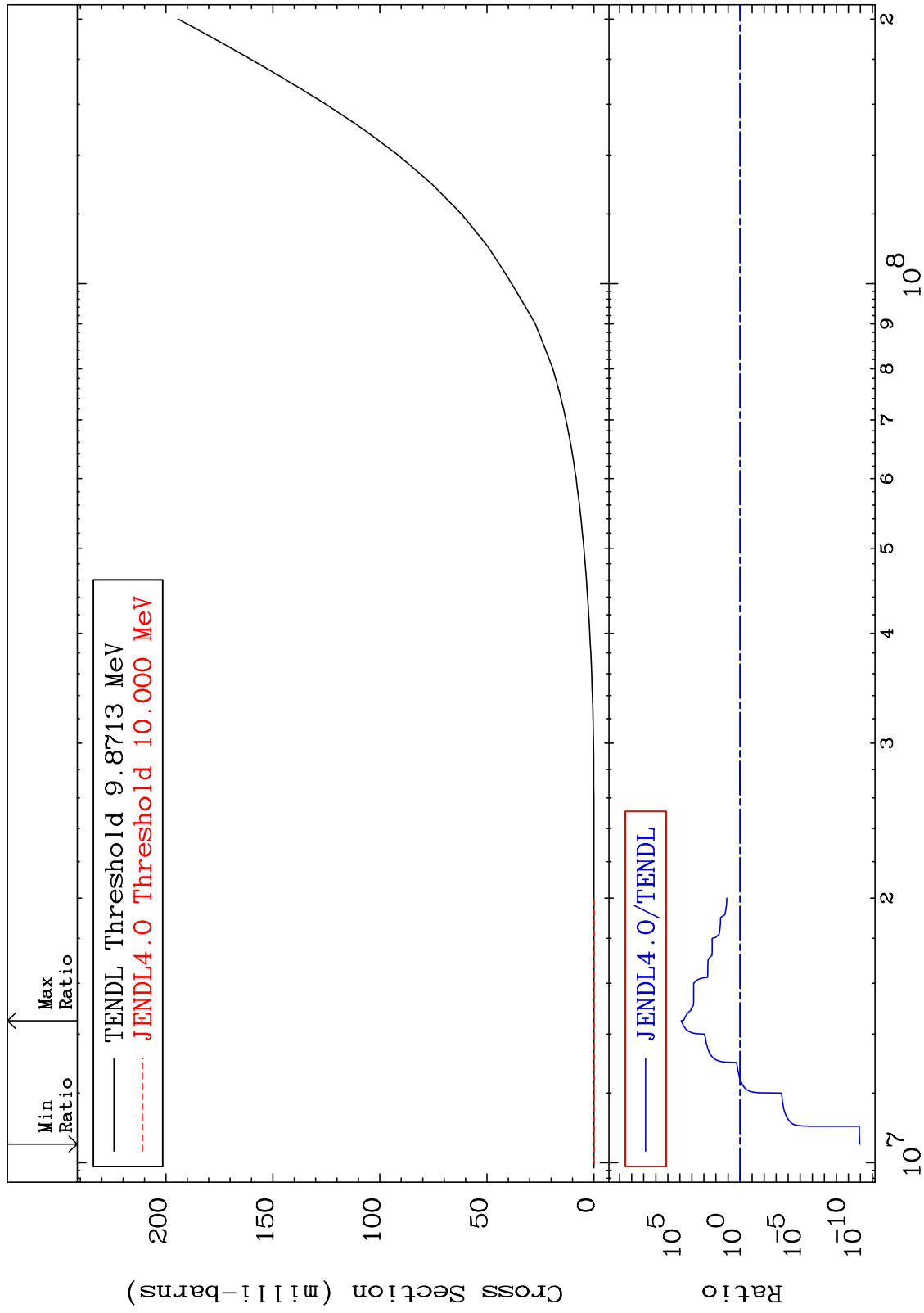
Incident Energy (eV)

54-Xe-134

MAT 5455

He-3 Production
Cross Section

54-Xe-134
-100.0 To 9999. %

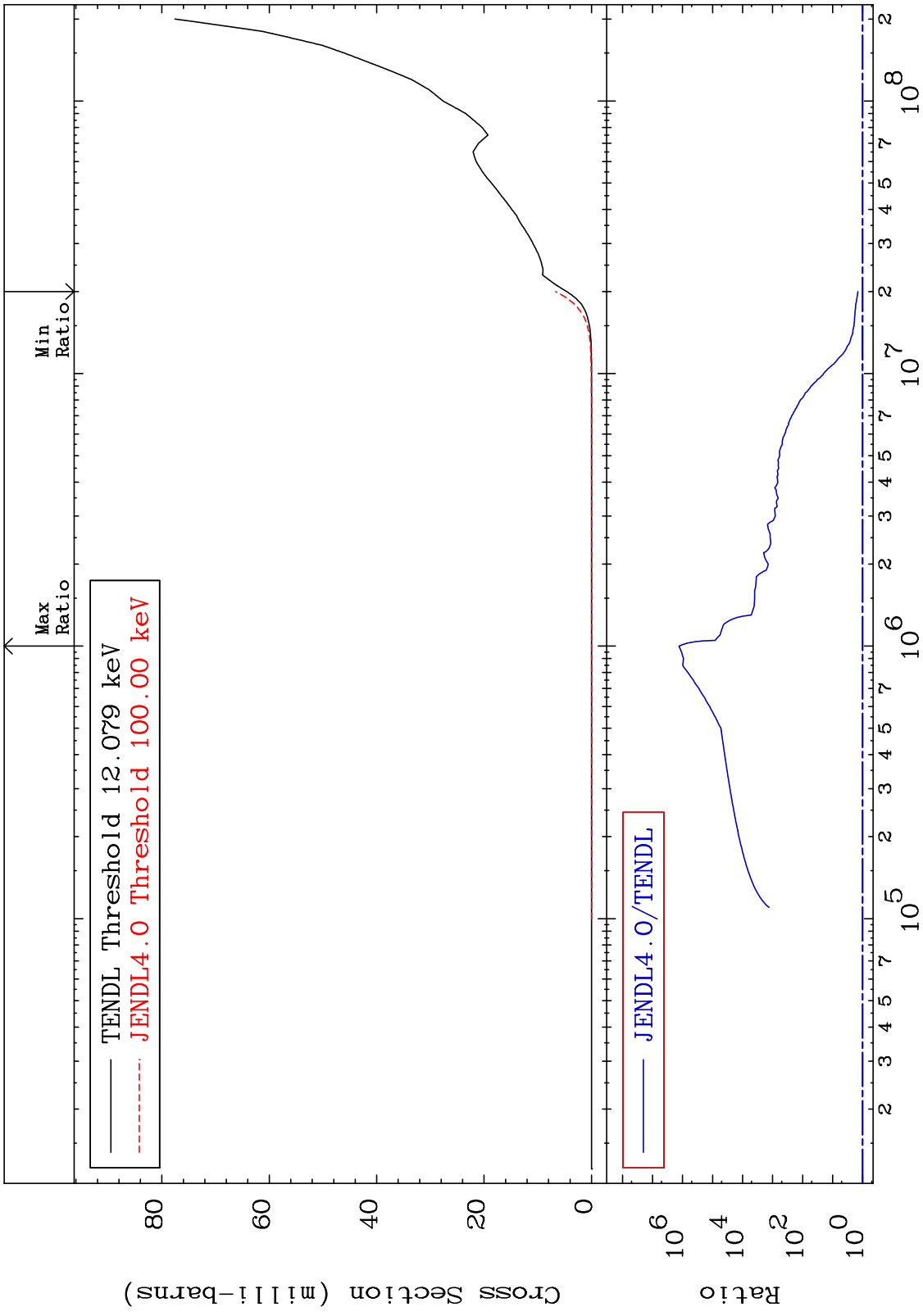


29

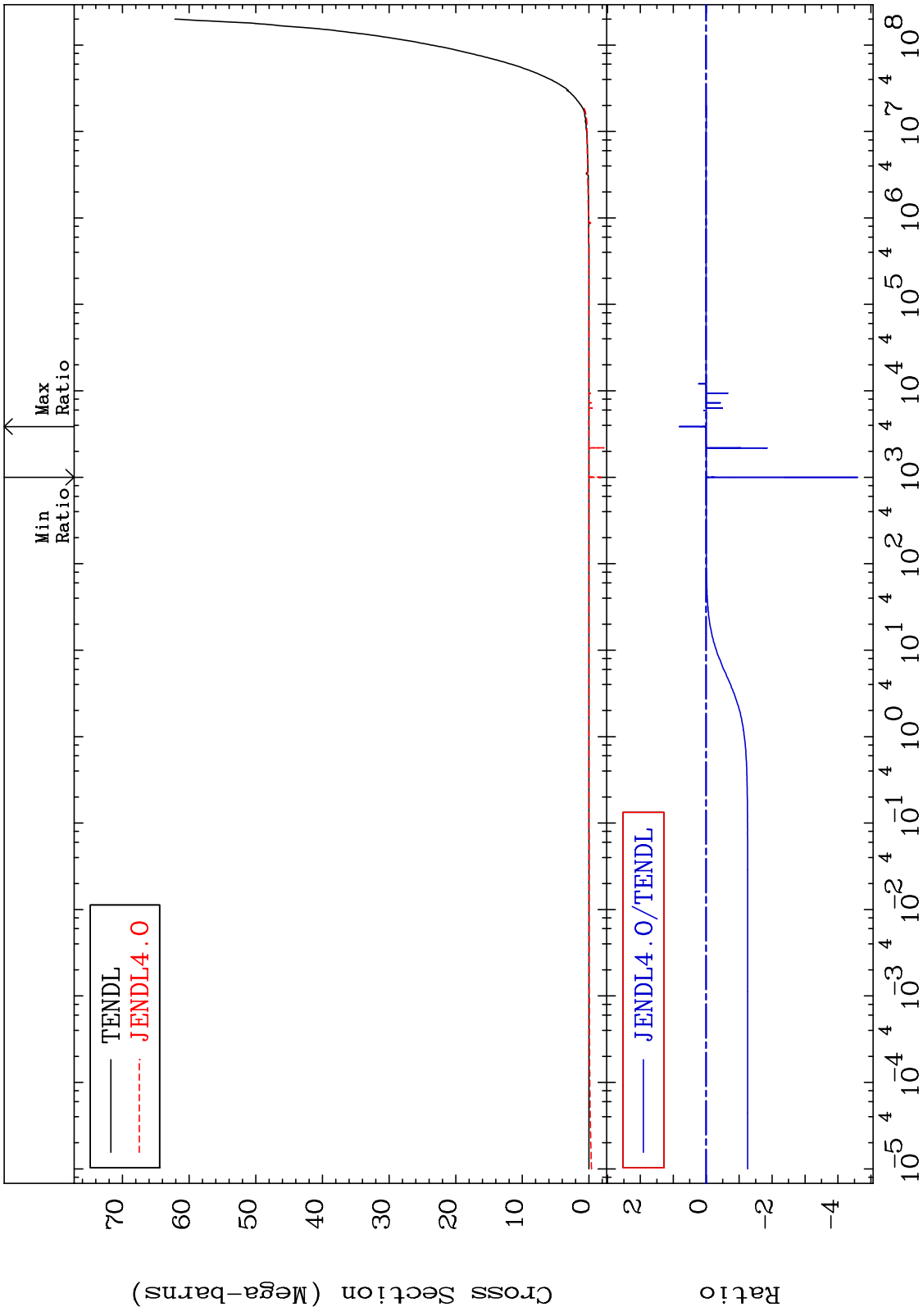
Incident Energy (eV)

54-Xe-134

MAT 5455 He-4 Production Cross Section 54-Xe-134 To 9999. %
 44.65



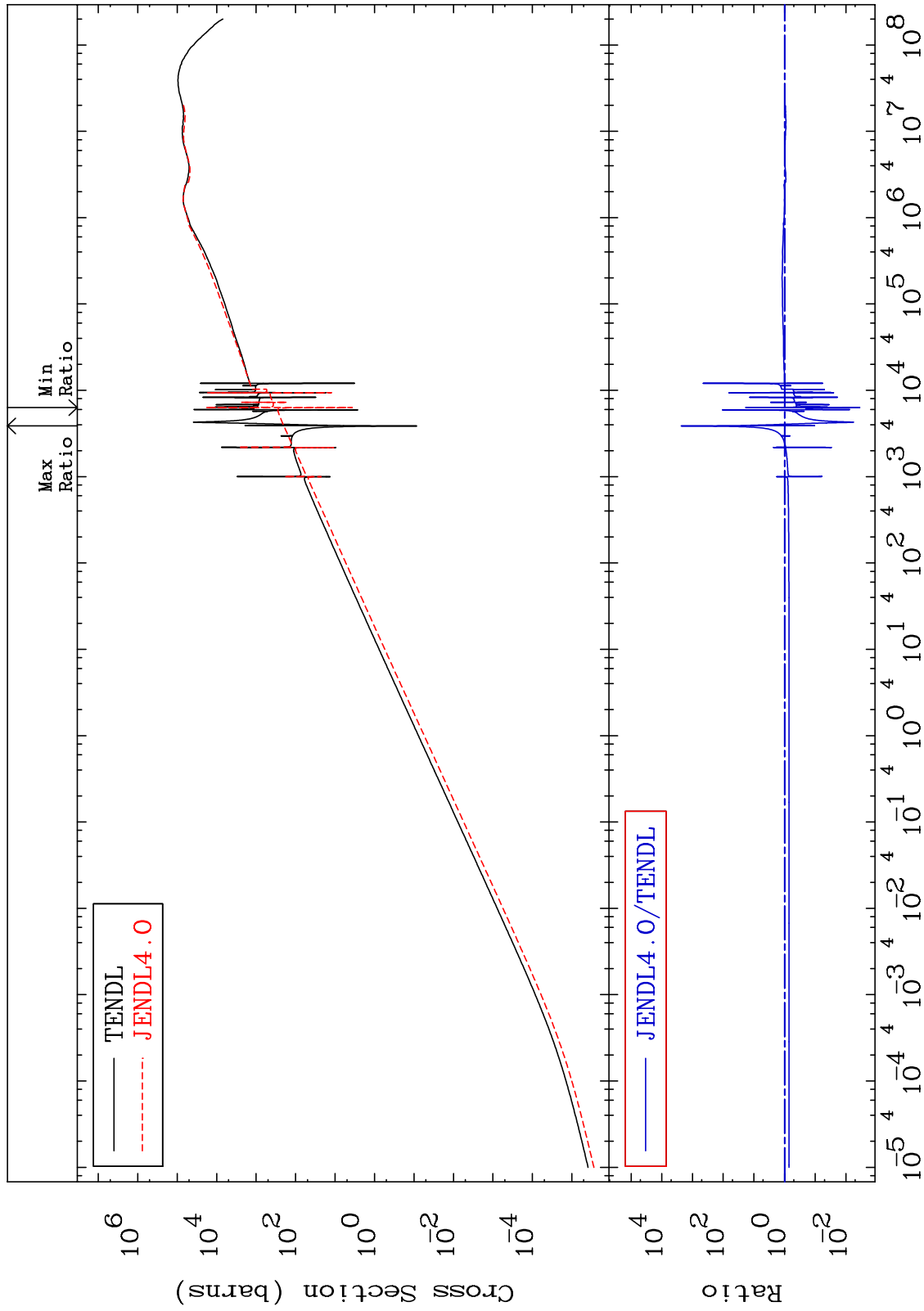
MAT 5455 Kerma total (eV-barns) 54-Xe-134
 Cross Section -9999. To 9999. %



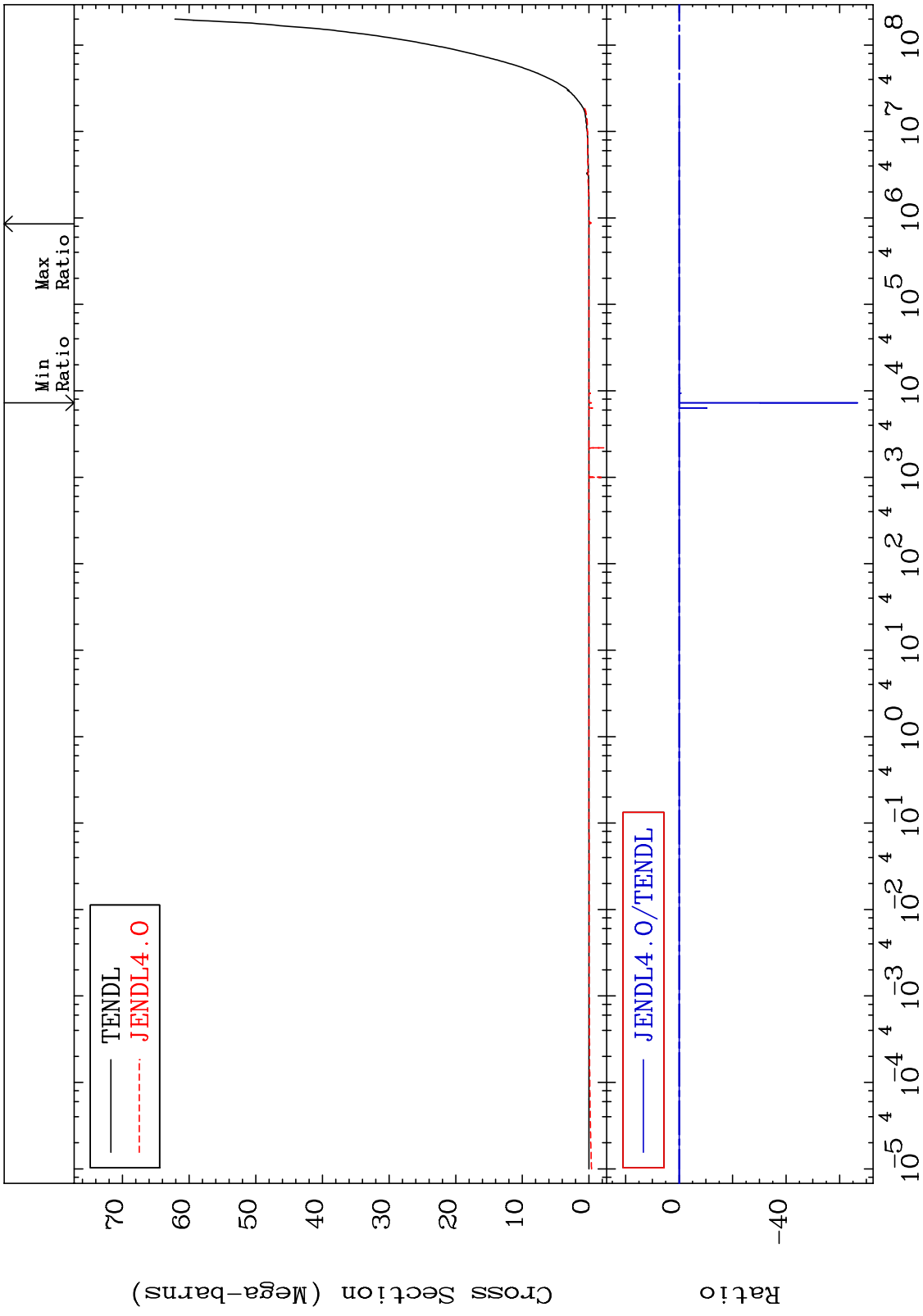
MAT 5455

Kerma elastic
Cross Section

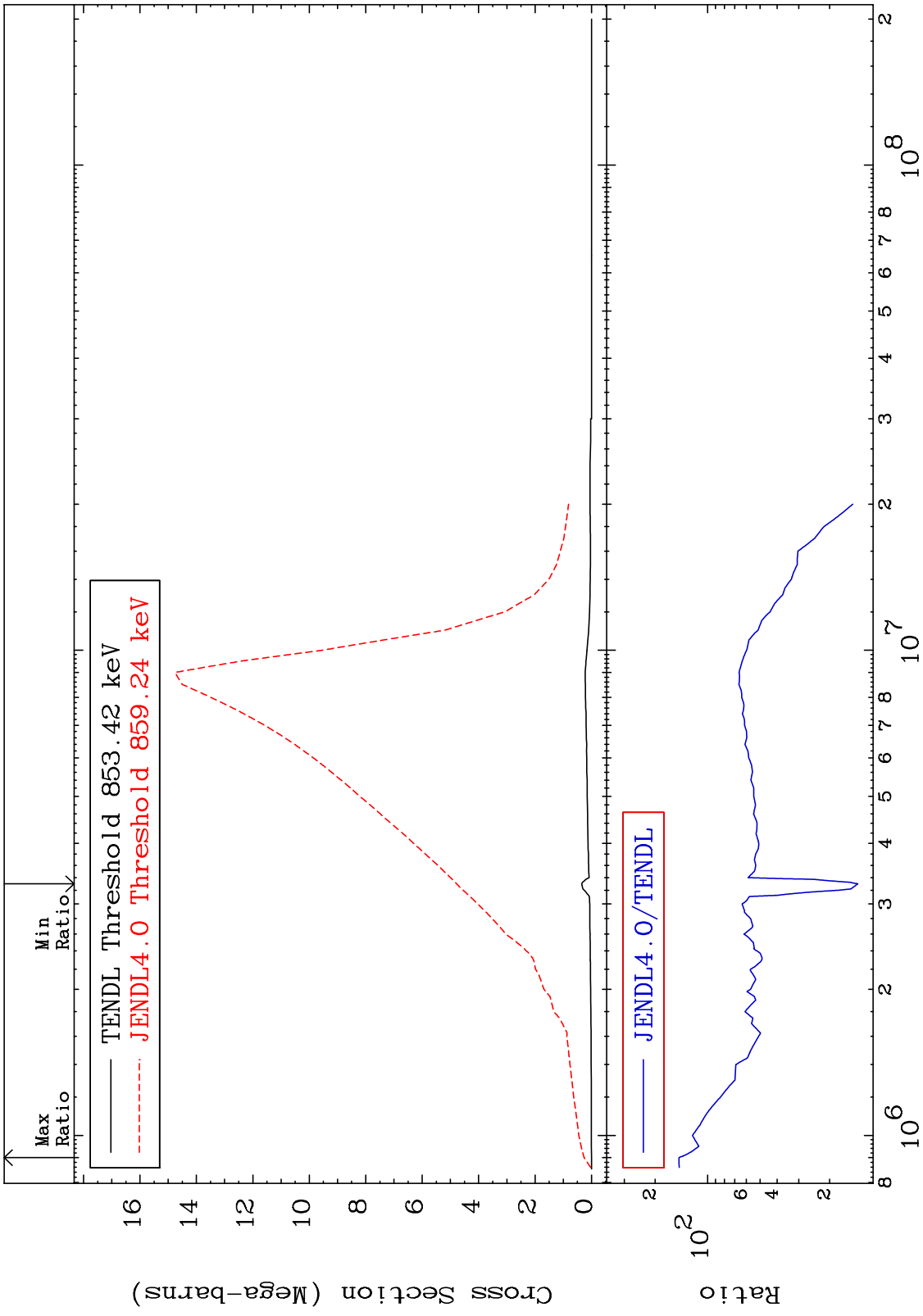
54-Xe-134
-99.65 To 9999. %



MAT 5455 Kerma non-elastic (all but mt.2) 54-Xe-134
 Cross Section -9999. To 9999. %



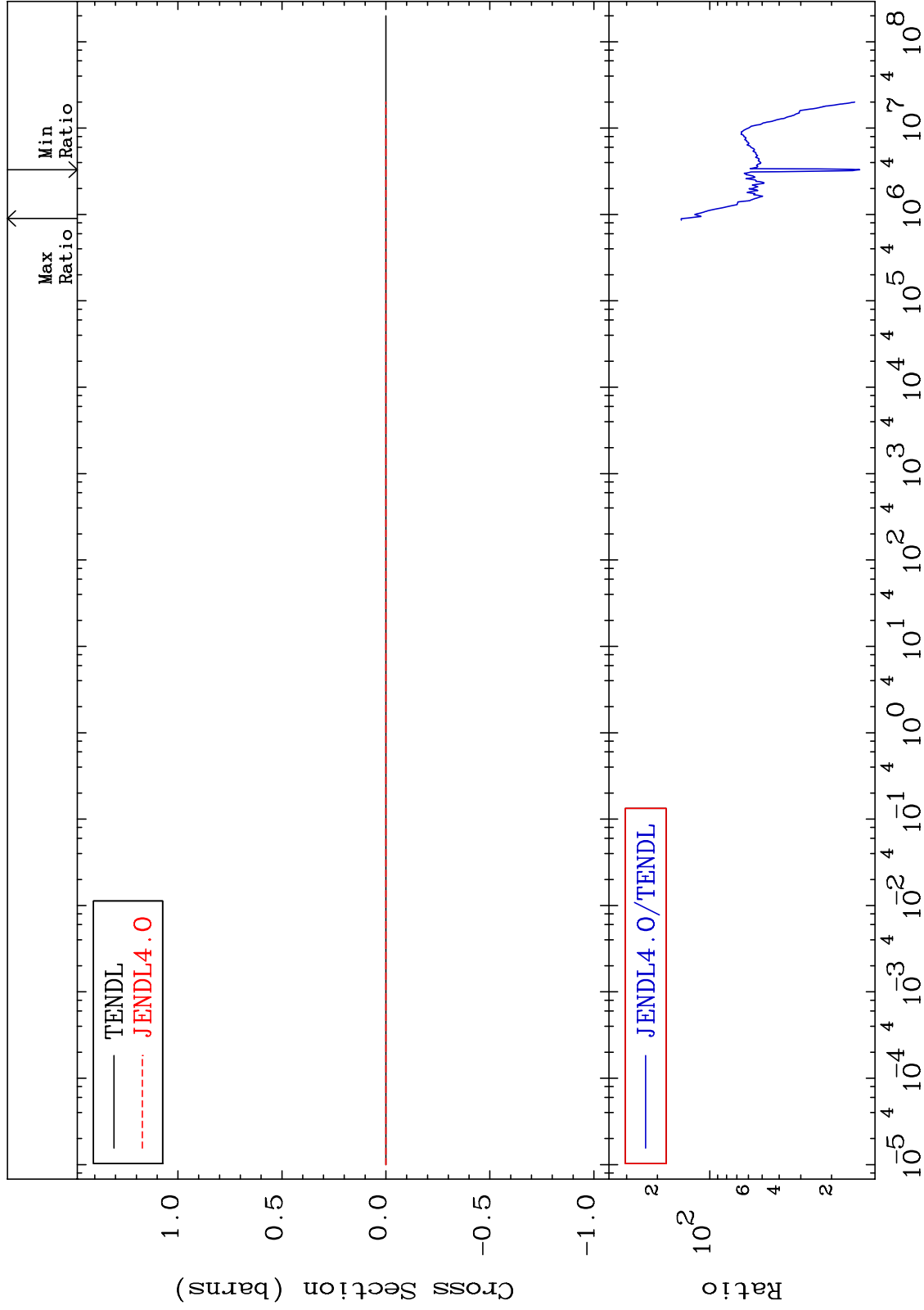
MAT 5455 Kerma inelastic (mt51-91) 54-Xe-134
Cross Section 1277. To 9999. %



MAT 5455

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

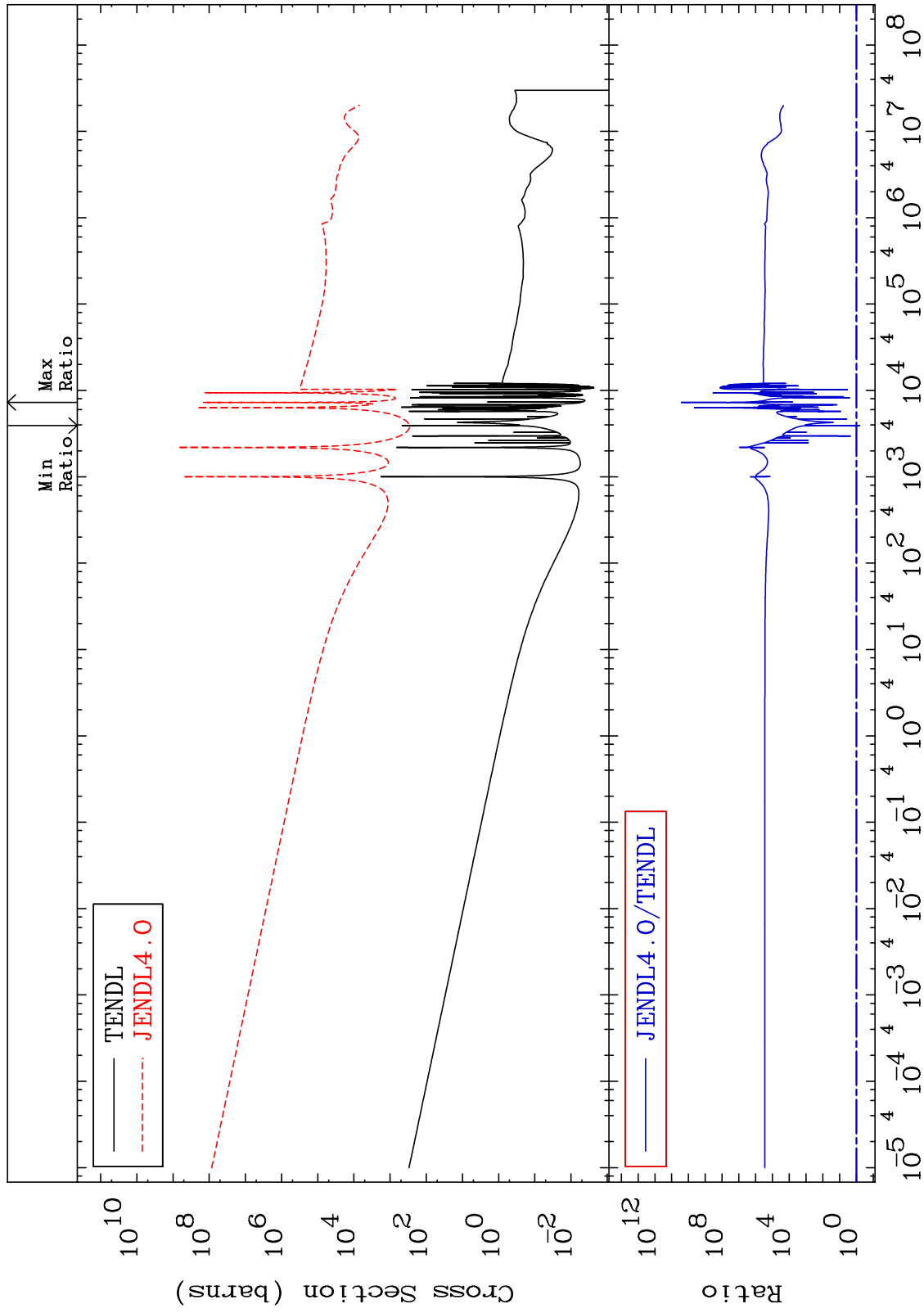
54-Xe-134
1277. To 9999. %



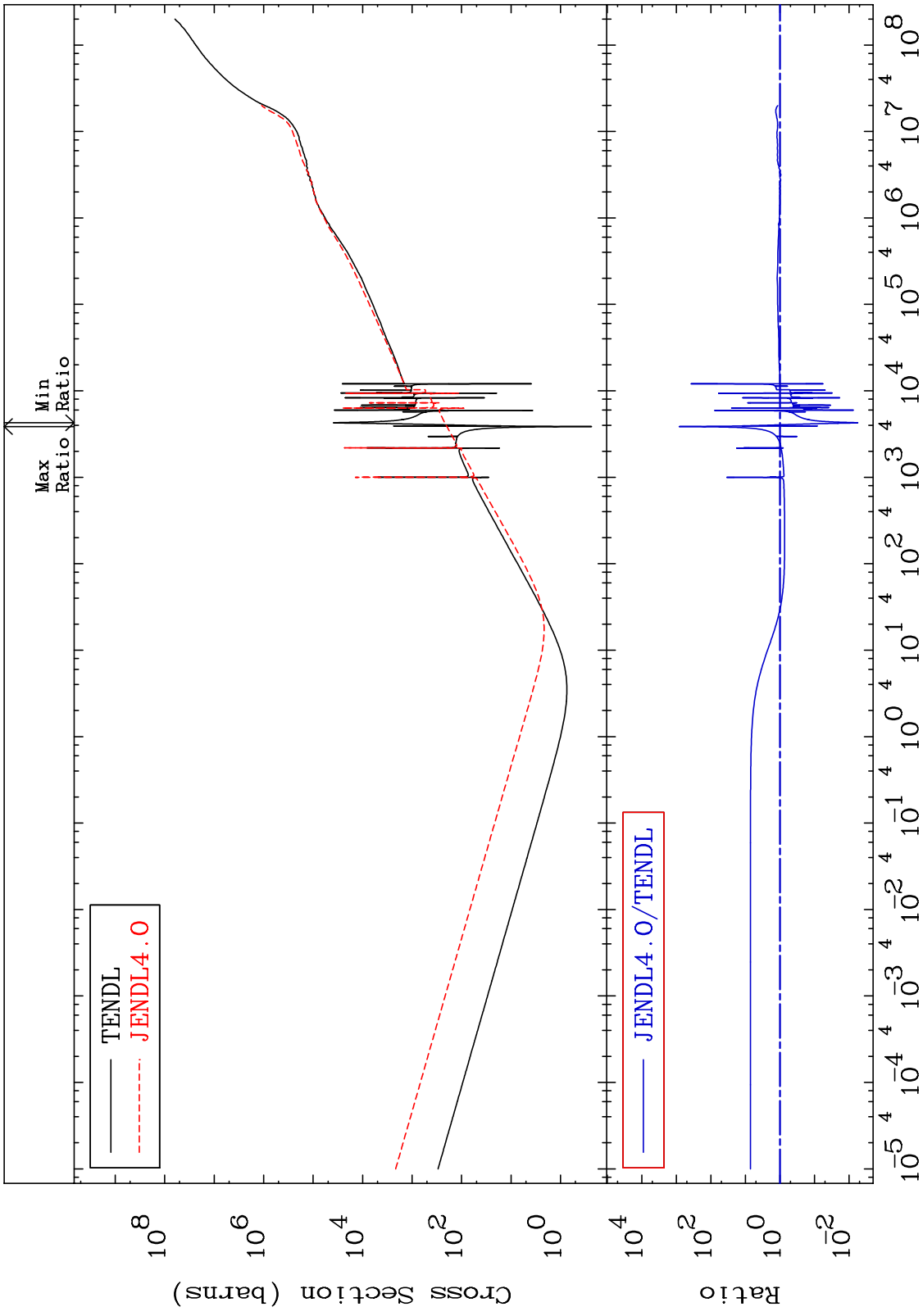
MAT 5455

Kerma capture (mt102)
Cross Section

54-Xe-134
-36.53 To 9999. %



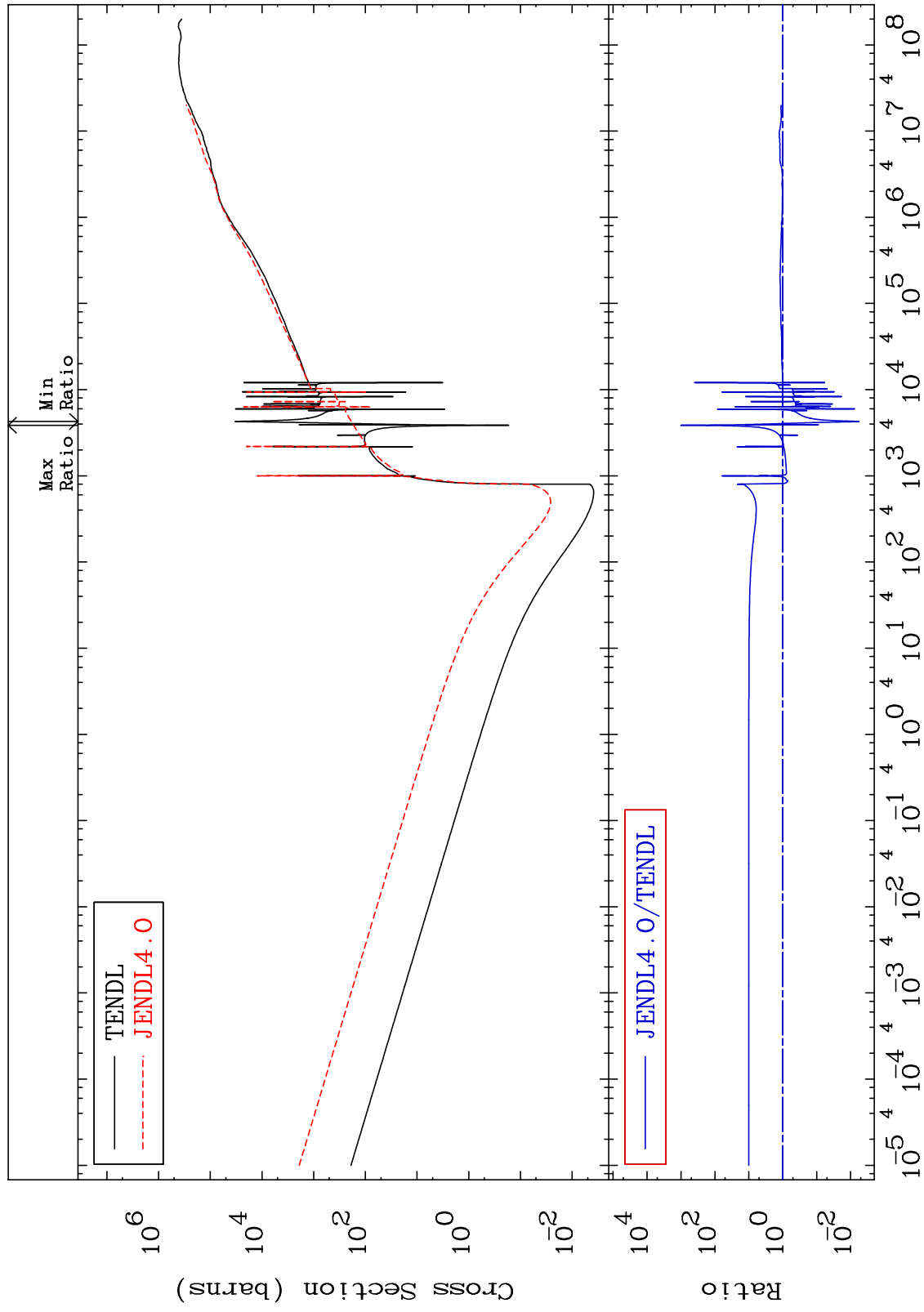
MAT 5455 Total kinematic kerma (high limit) 54-Xe-134
 Cross Section -99.44 To 9999. %



MAT 5455

Dpa total (eV-barns)
Cross Section

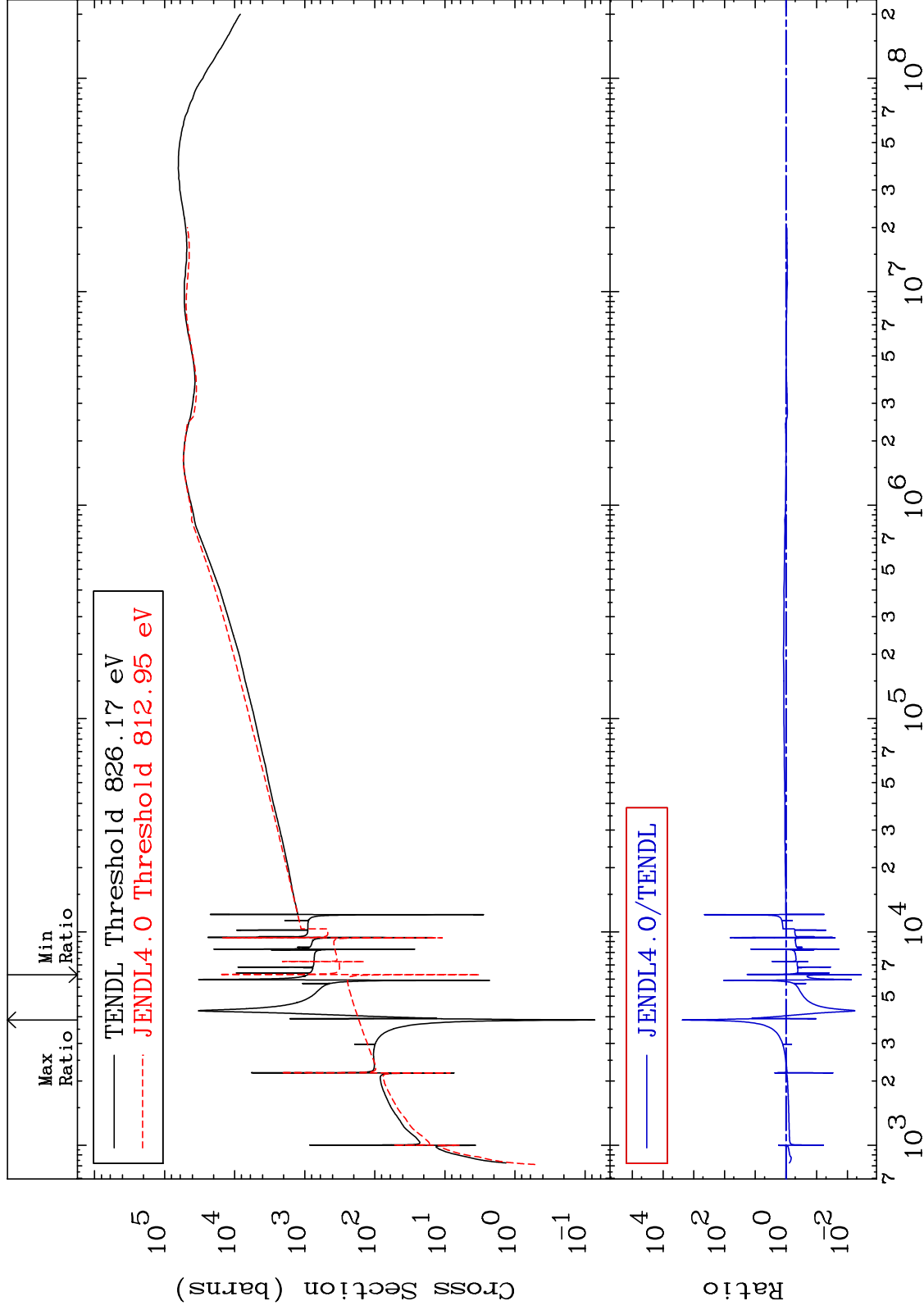
54-Xe-134
-99.44 To 9999. %



MAT 5455

Dpa elastic (mt2)
Cross Section

54-Xe-134
-99.65 To 9999. %

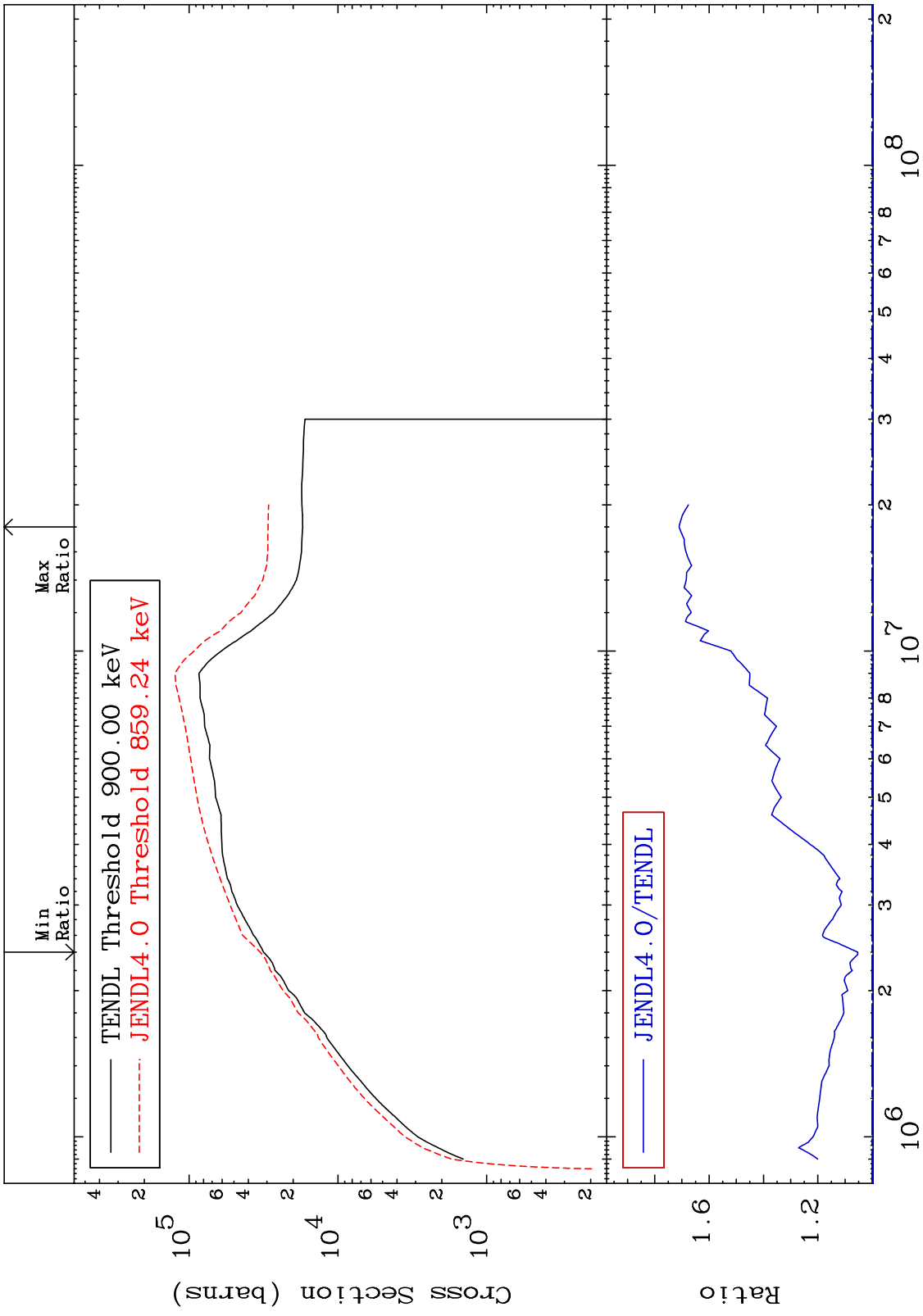


40

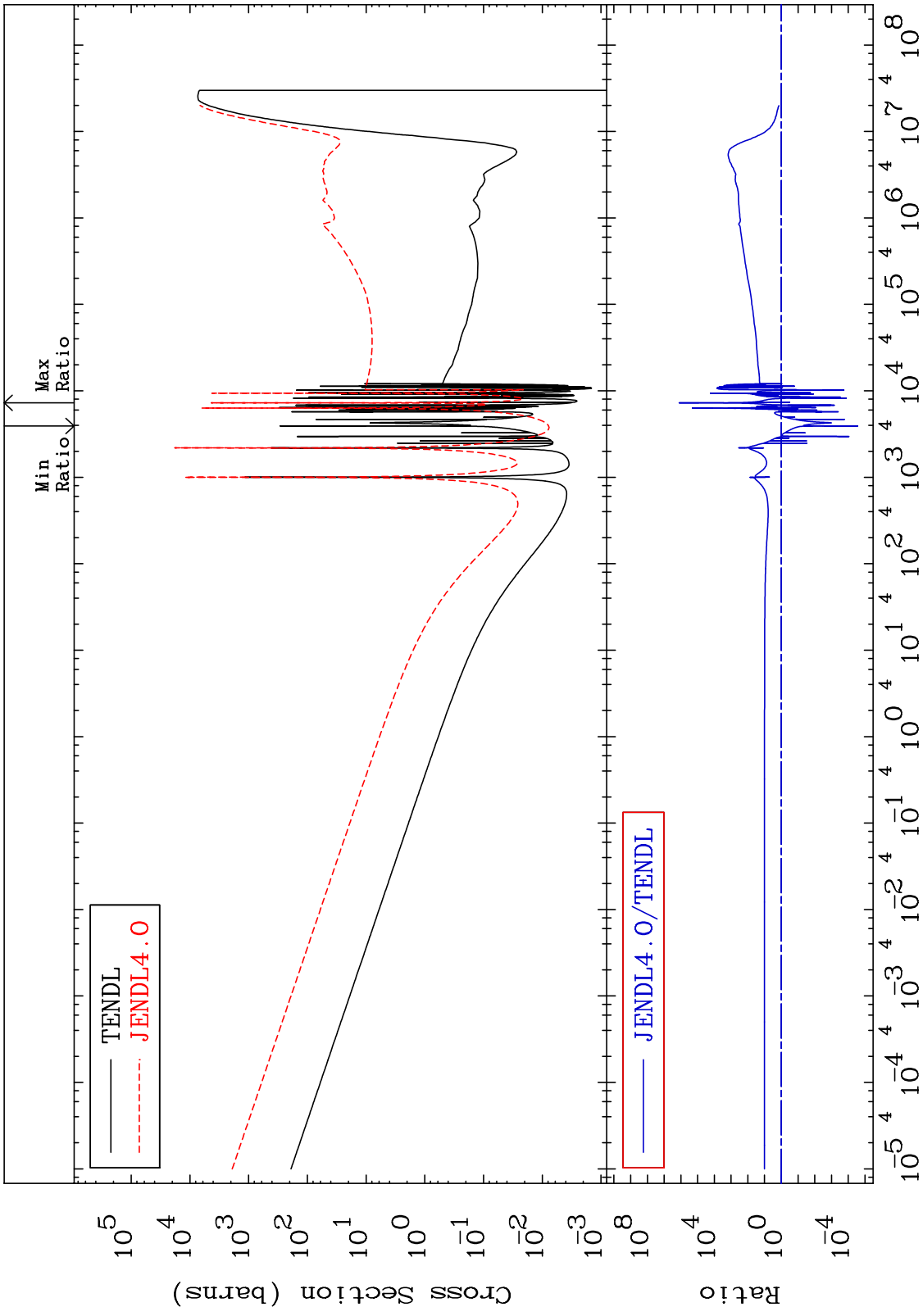
Incident Energy (eV)

54-Xe-134

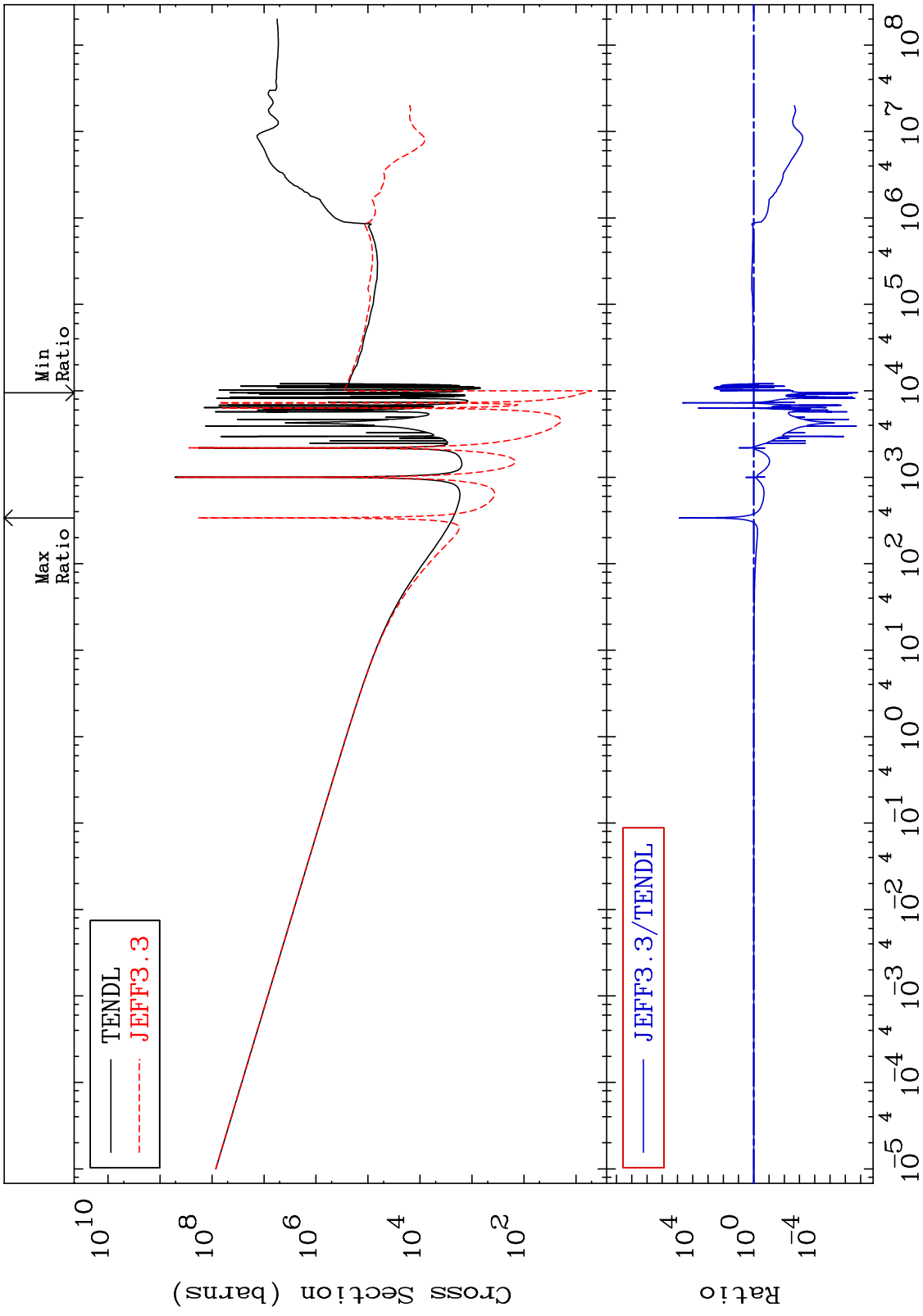
MAT 5455 Dpa inelastic (mt51-91) 54-Xe-134 5.290 To 71.06 %
 Cross Section



MAT 5455 Dpa disappearance (mt102 -120) 54-Xe-134
 Cross Section -100.0 To 9999. %

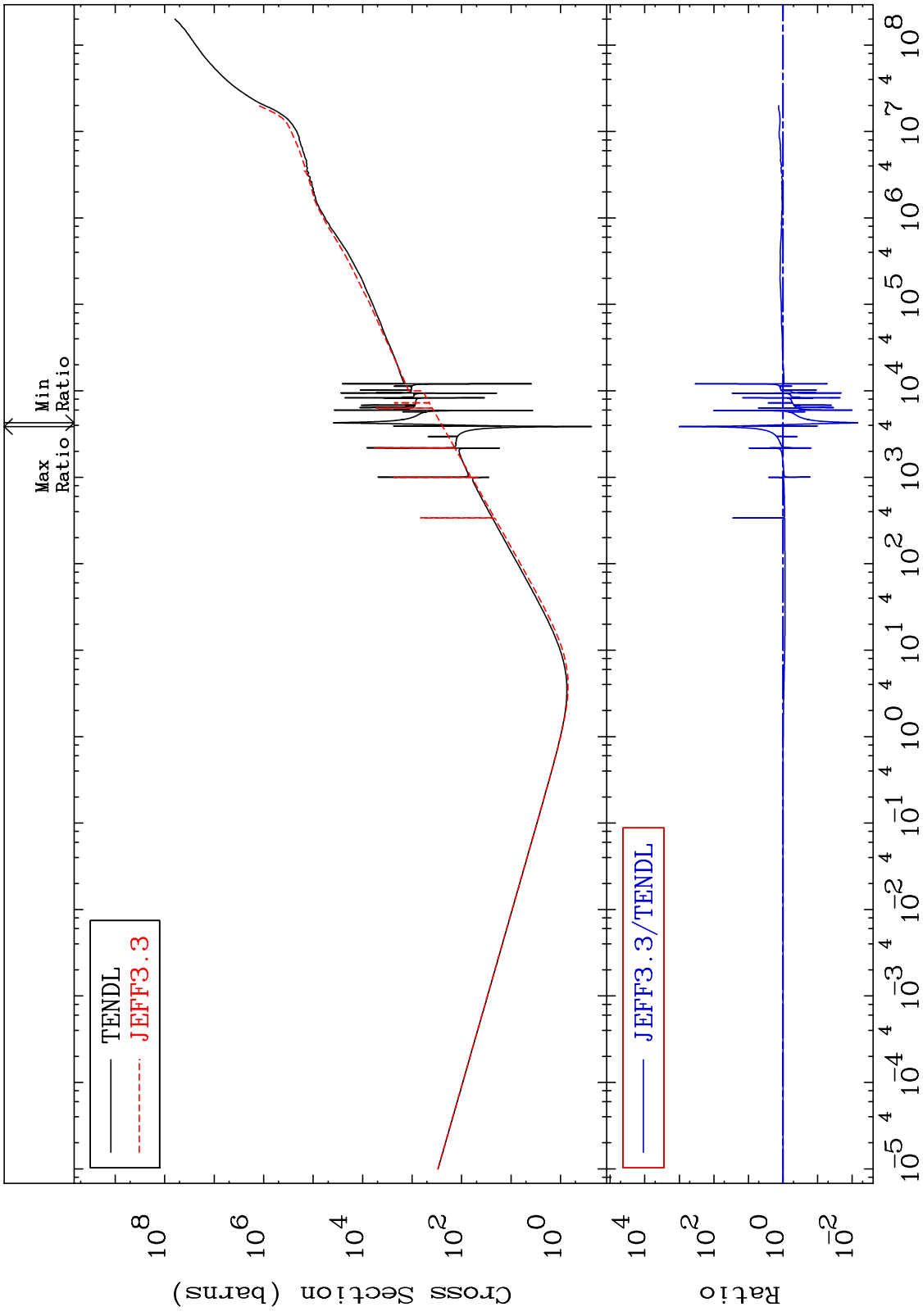


MAT 5455 54-Xe-134 -100.0 To 9999. %
Total photon (eV-barns)
Cross Section

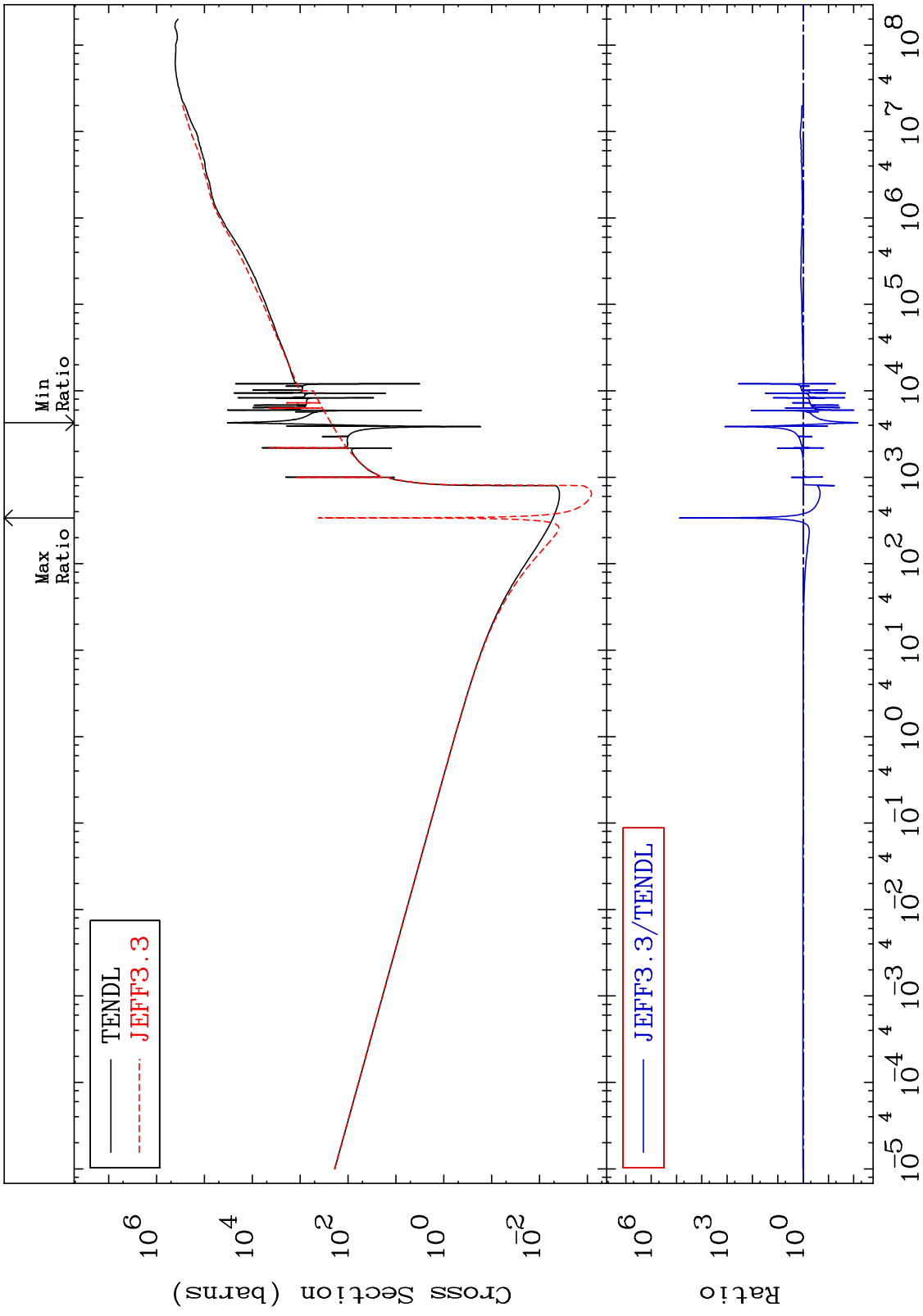


54-Xe-134
Incident Energy (eV) 54-Xe-134

MAT 5455 Total kinematic kerma (high limit) 54-Xe-134
 Cross Section -99.32 To 9999. %



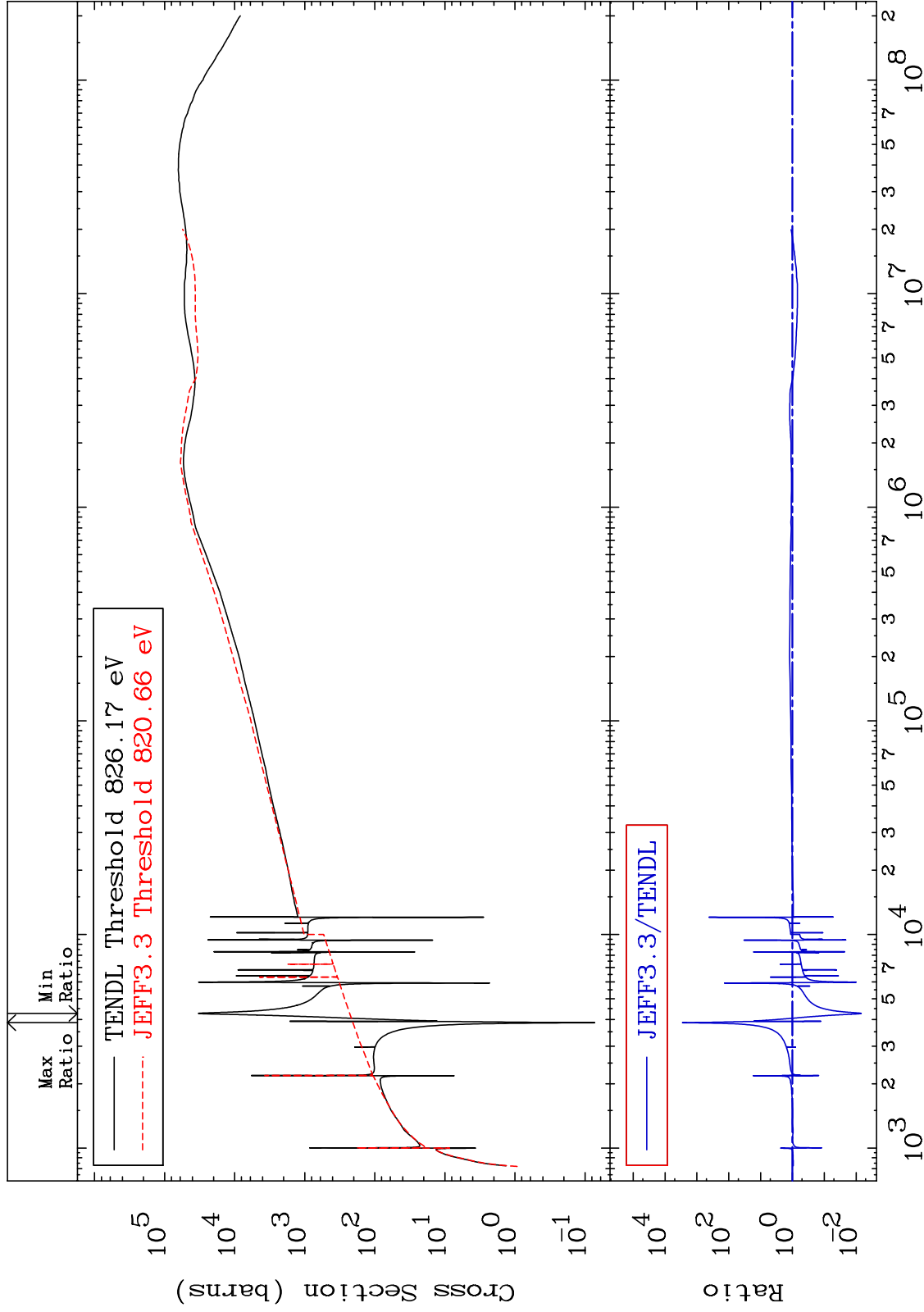
MAT 5455 Dpa total (eV-barns) 54-Xe-134
 Cross Section -99.31 To 9999. %



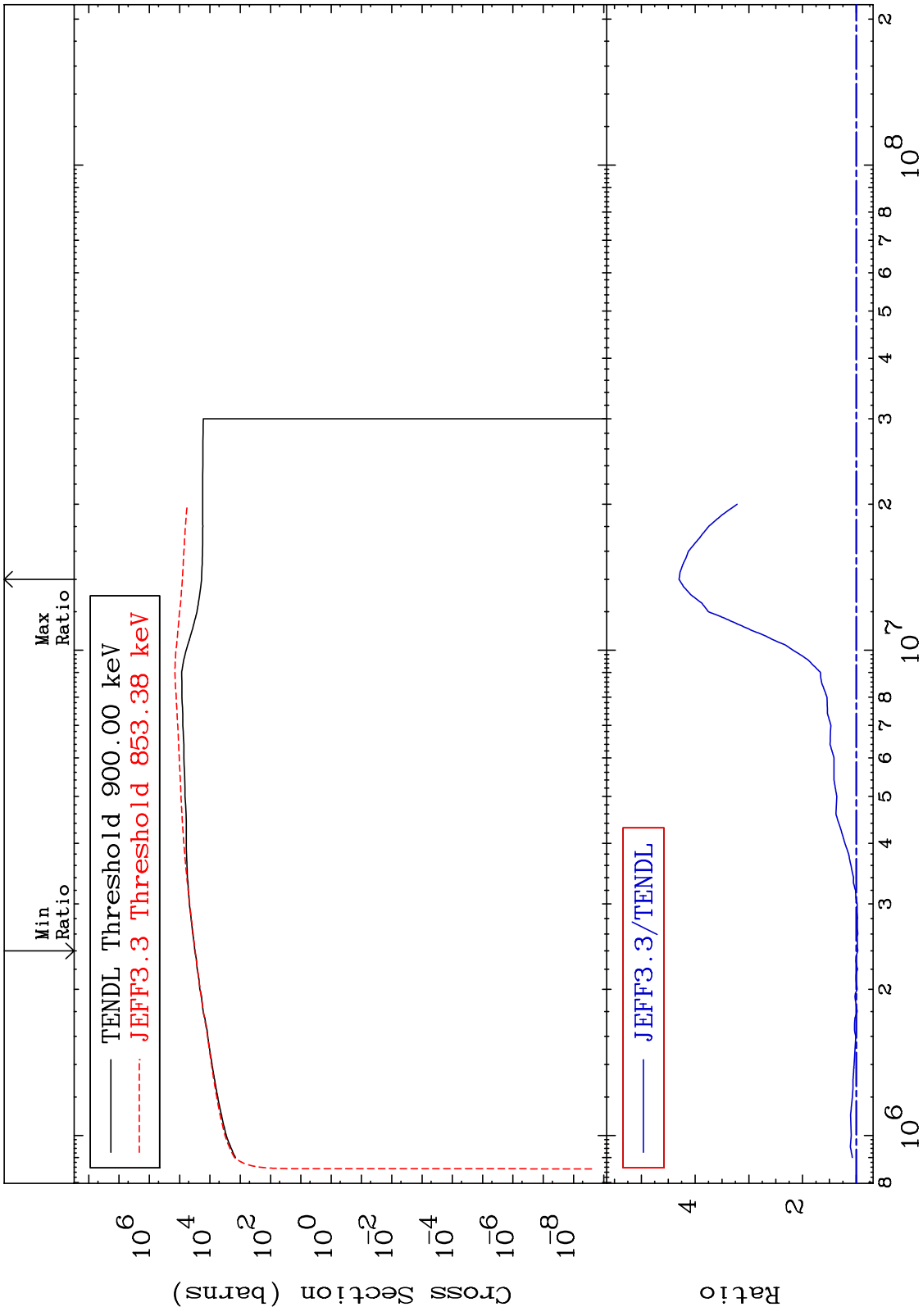
MAT 5455

Dpa elastic (mt2)
Cross Section

54-Xe-134
-99.31 To 9999. %



MAT 5455 Dpa inelastic (mt51-91) 54-Xe-134
Cross Section -2.800 To 329.9 %



47 54-Xe-134

MAT 5455 Dpa disappearance (mt102 -120) 54-Xe-134
 Cross Section -100.0 To 9999. %

