

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

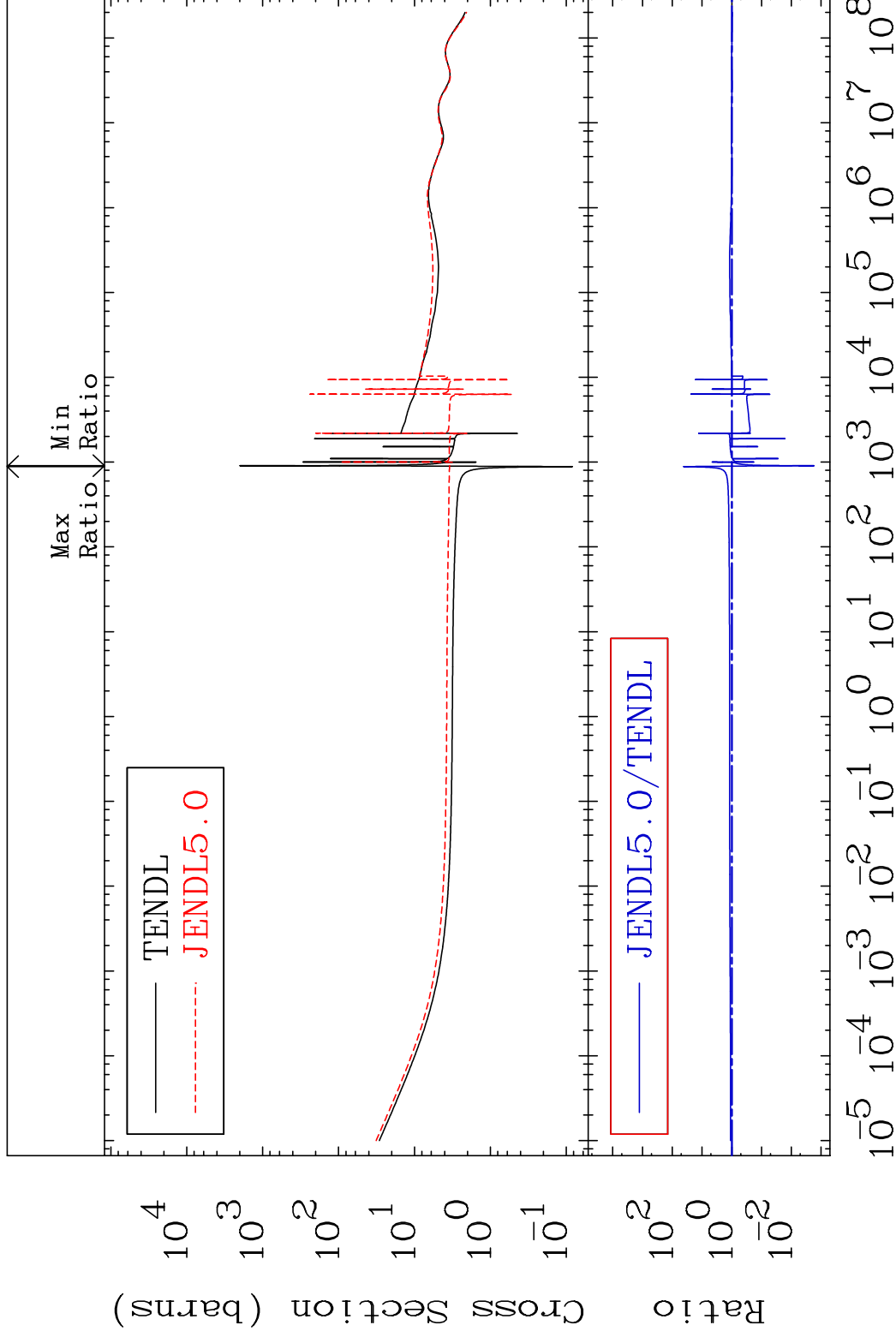
MAT 5455

Total

54-Xe-134

Cross Section

-99.83 To 4042. %



1

Incident Energy (eV)

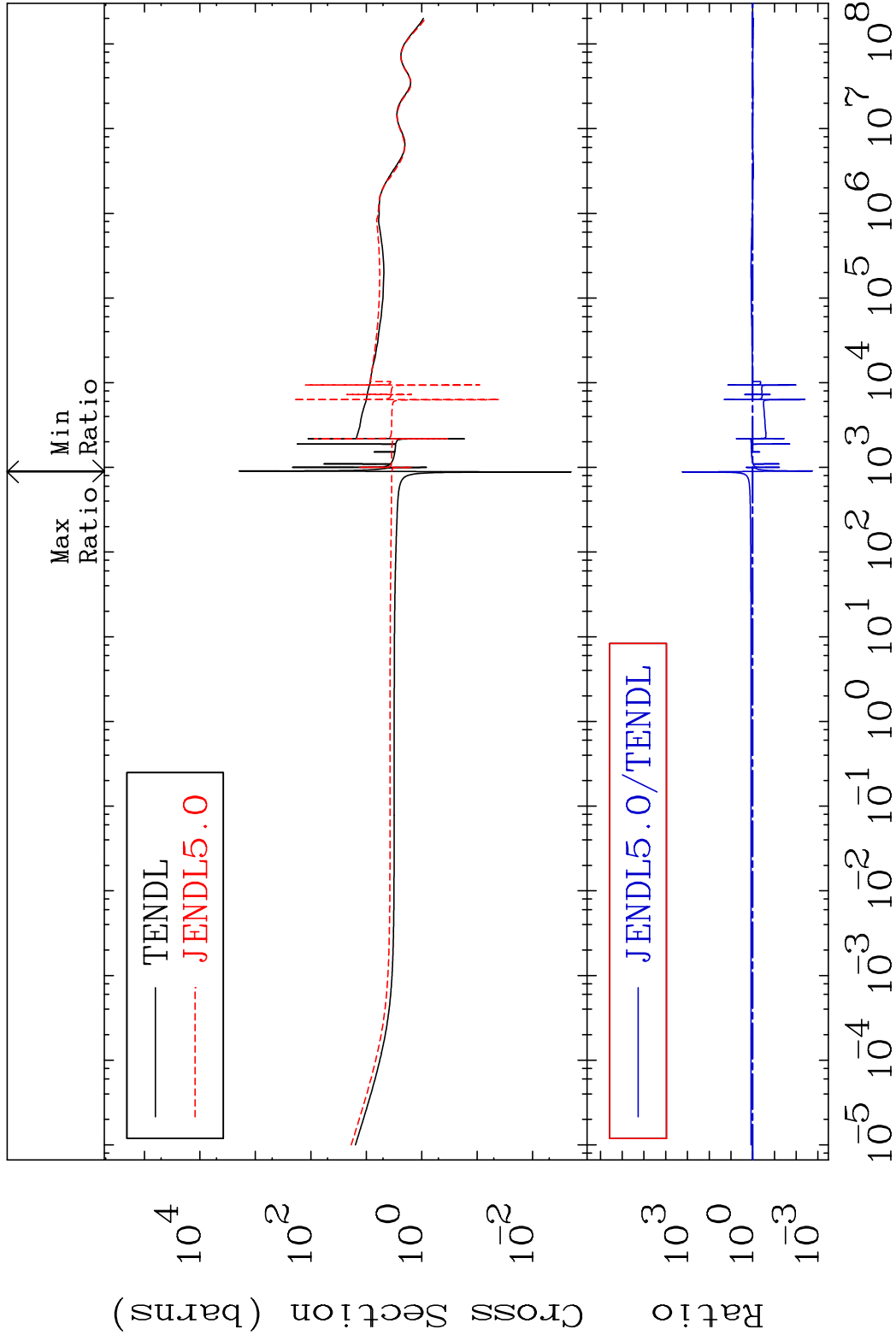
54-Xe-134

MAT 5455

Elastic

54-Xe-134

Cross Section -99.82 To 9999. %

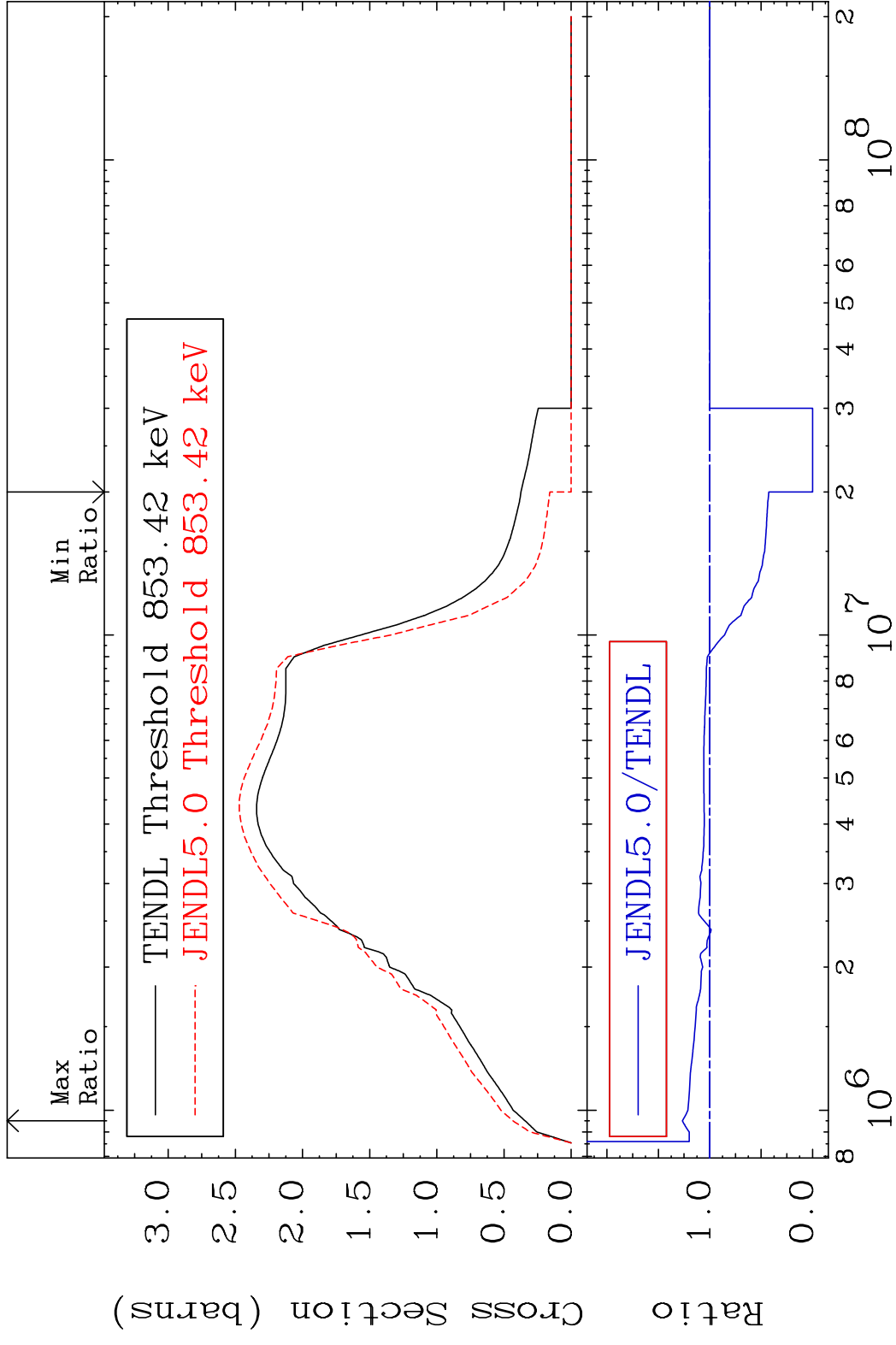


2

Incident Energy (eV)

54-Xe-134

MAT 5455 Inelastic 54-Xe-134
Cross Section -100.0 To 26.68 %



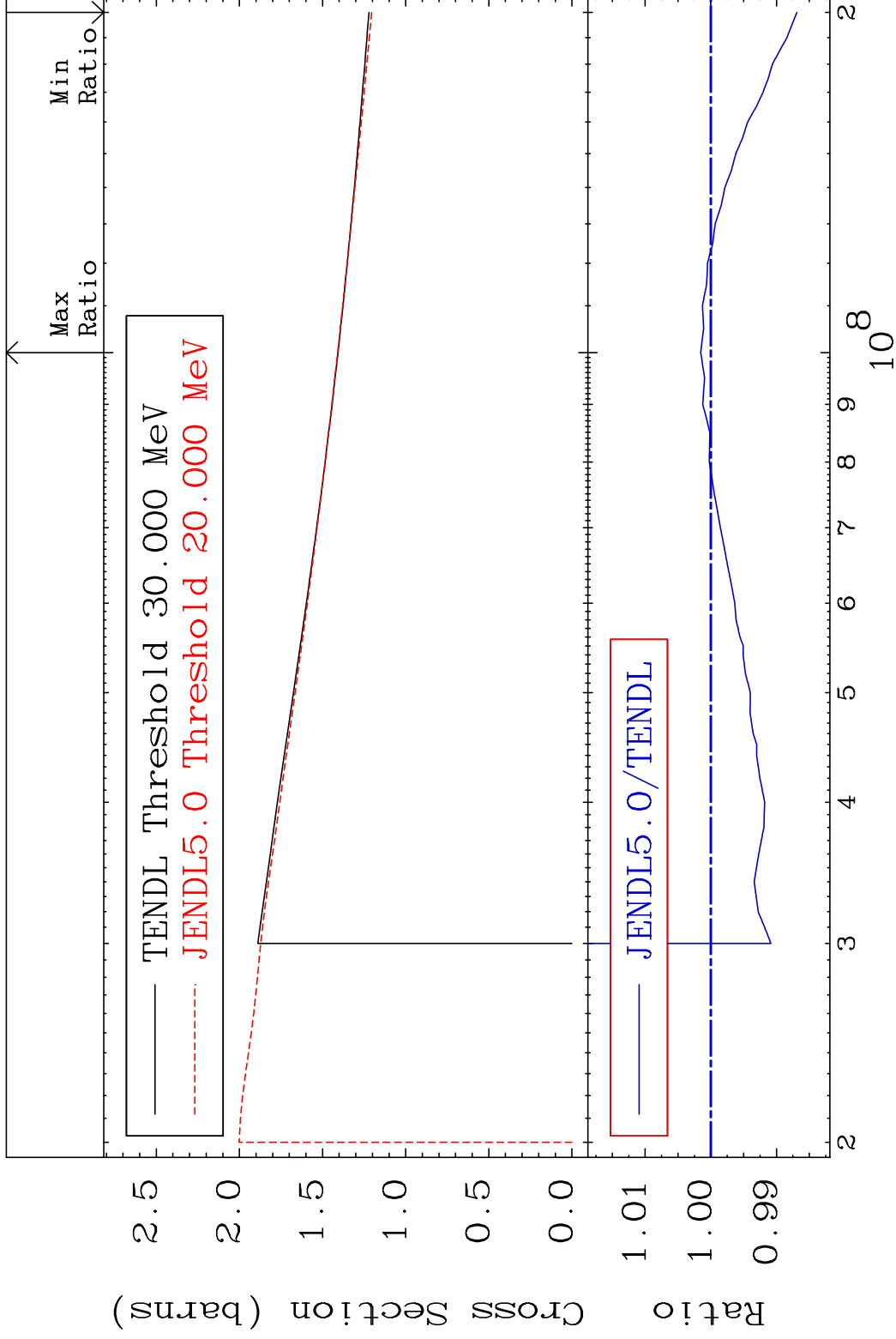
3 8 10⁶ 2 3 4 5 6 8 10⁷ 2 3 4 5 6 8 10⁸ 2 54-Xe-134

MAT 5455

(n, remainder)

54-Xe-134

Cross Section -1.310 To 0.155 %



4

Incident Energy (eV)

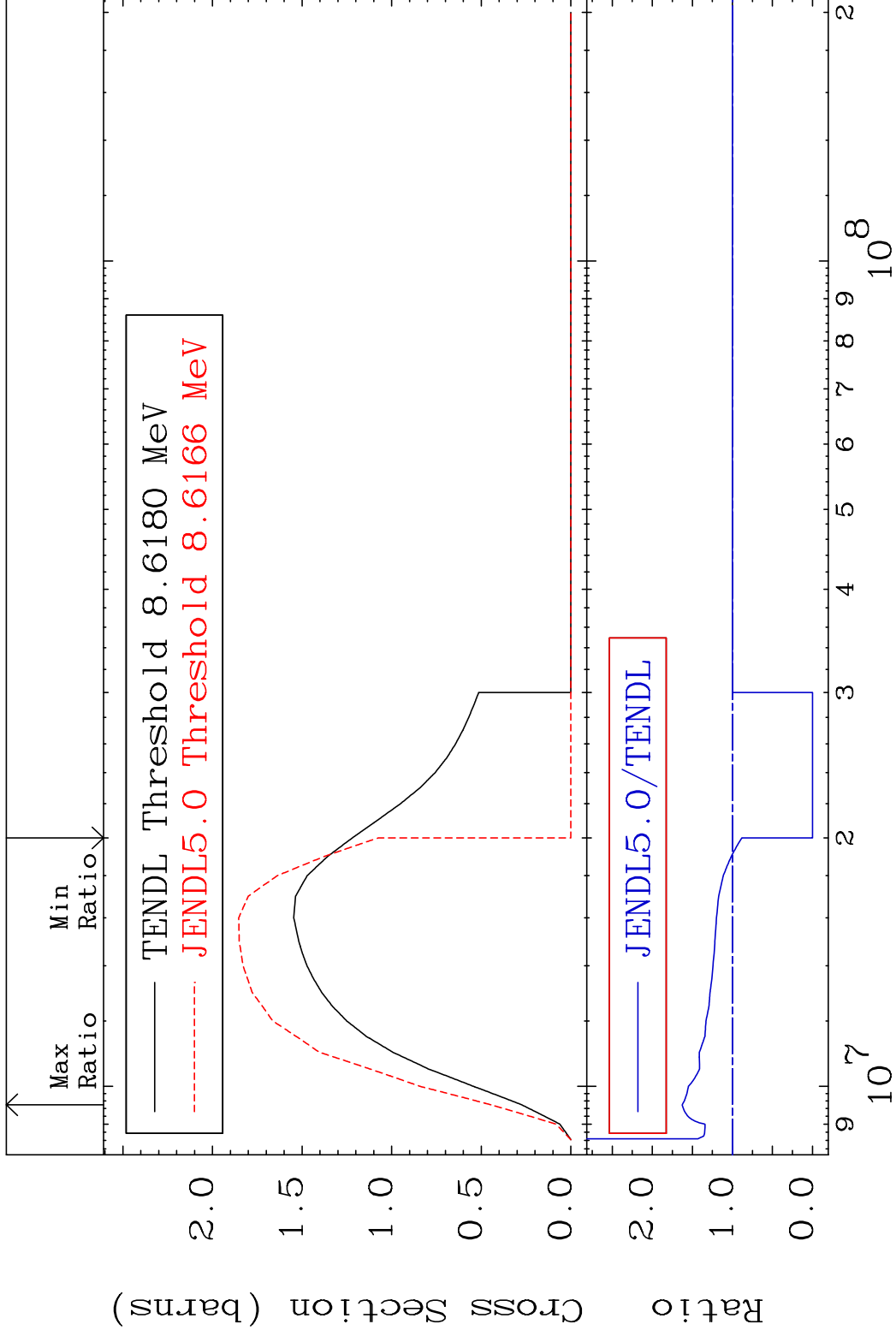
54-Xe-134

MAT 5455

(n,2n)

54-Xe-134

Cross Section -100.0 To 62.73 %

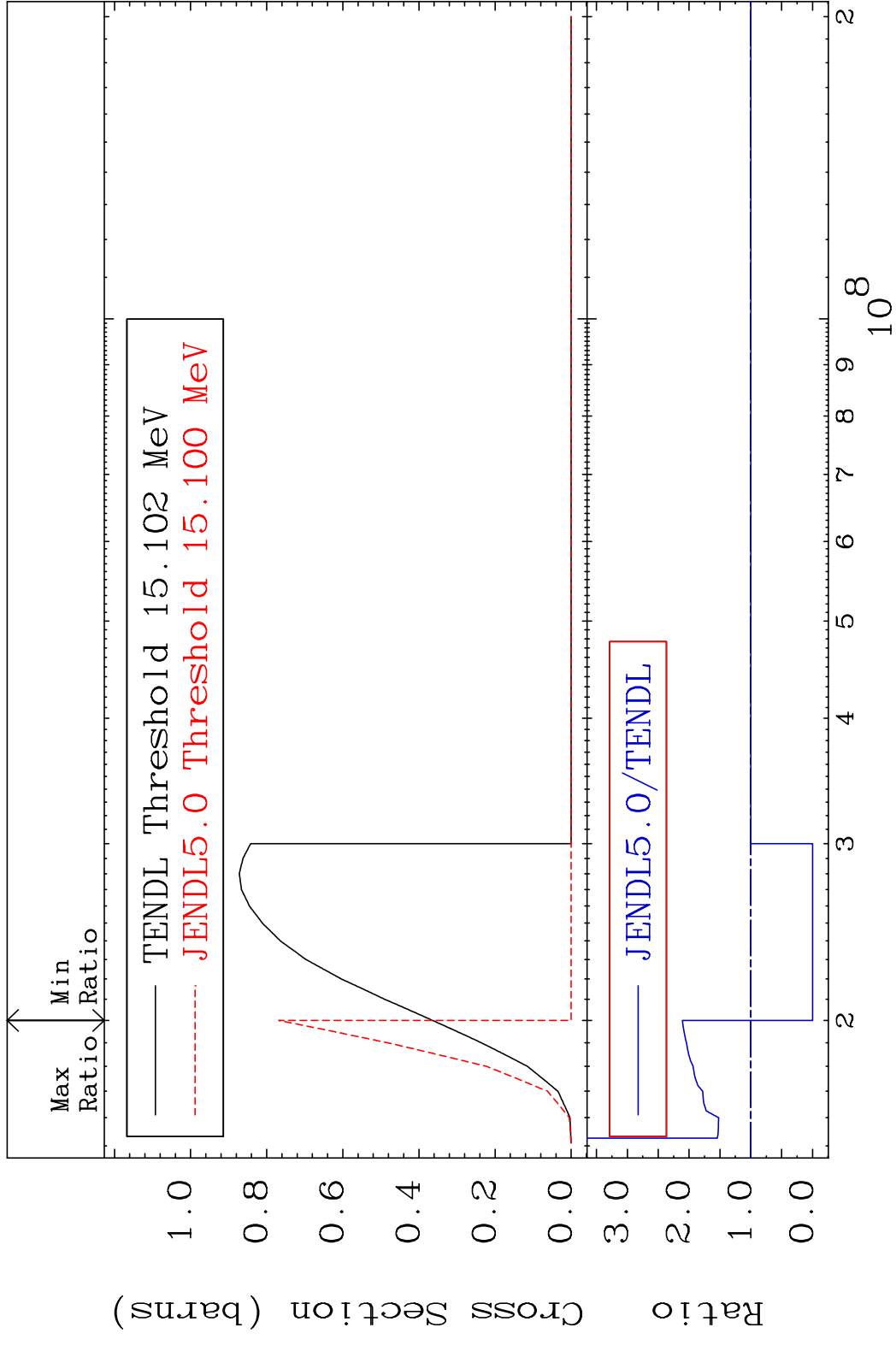


5

Incident Energy (eV)

54-Xe-134

MAT 5455 (n,3n) 54-Xe-134
 Cross Section -100.0 To 110.9 %

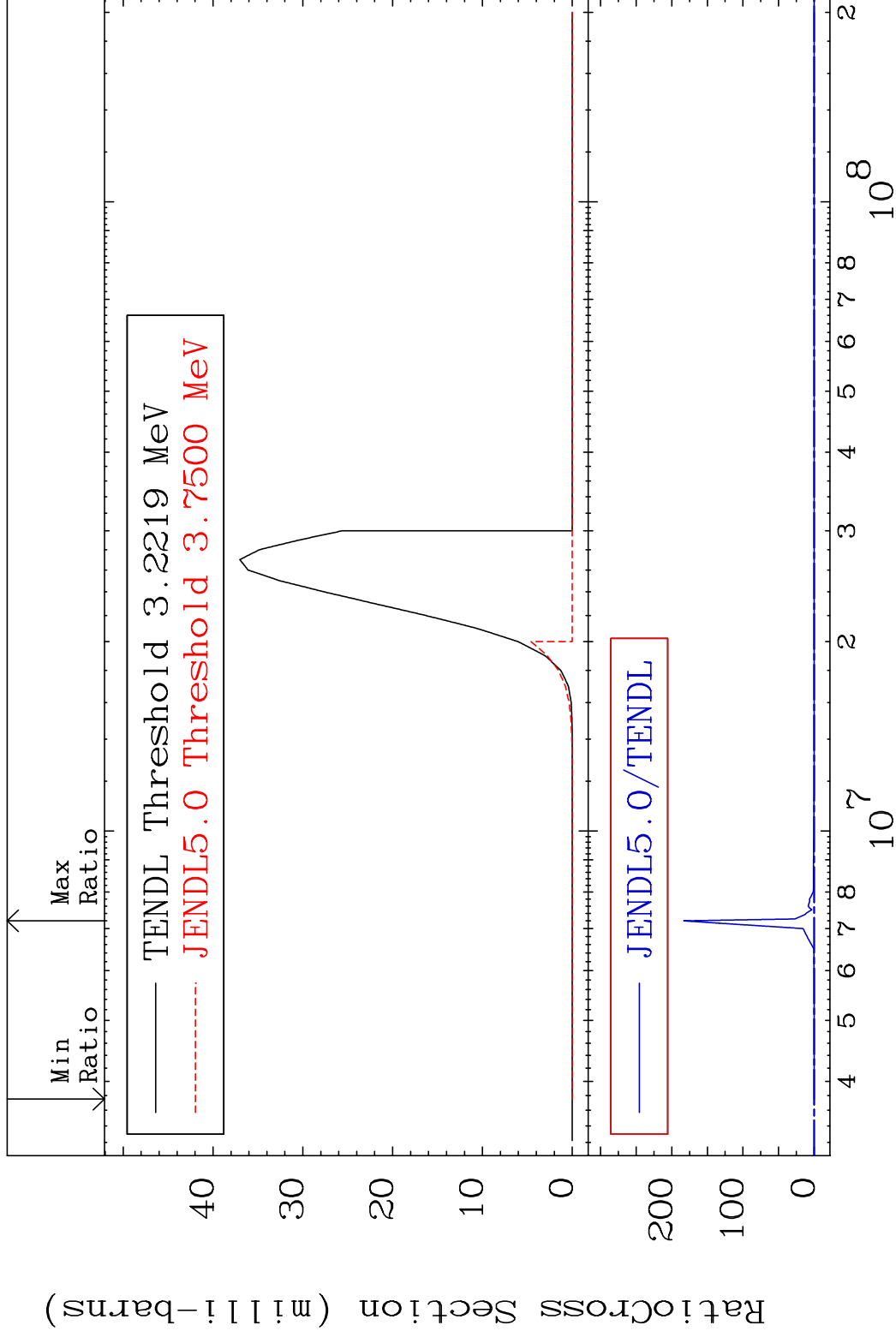


MAT 5455

(n, n') α

54-Xe-134

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

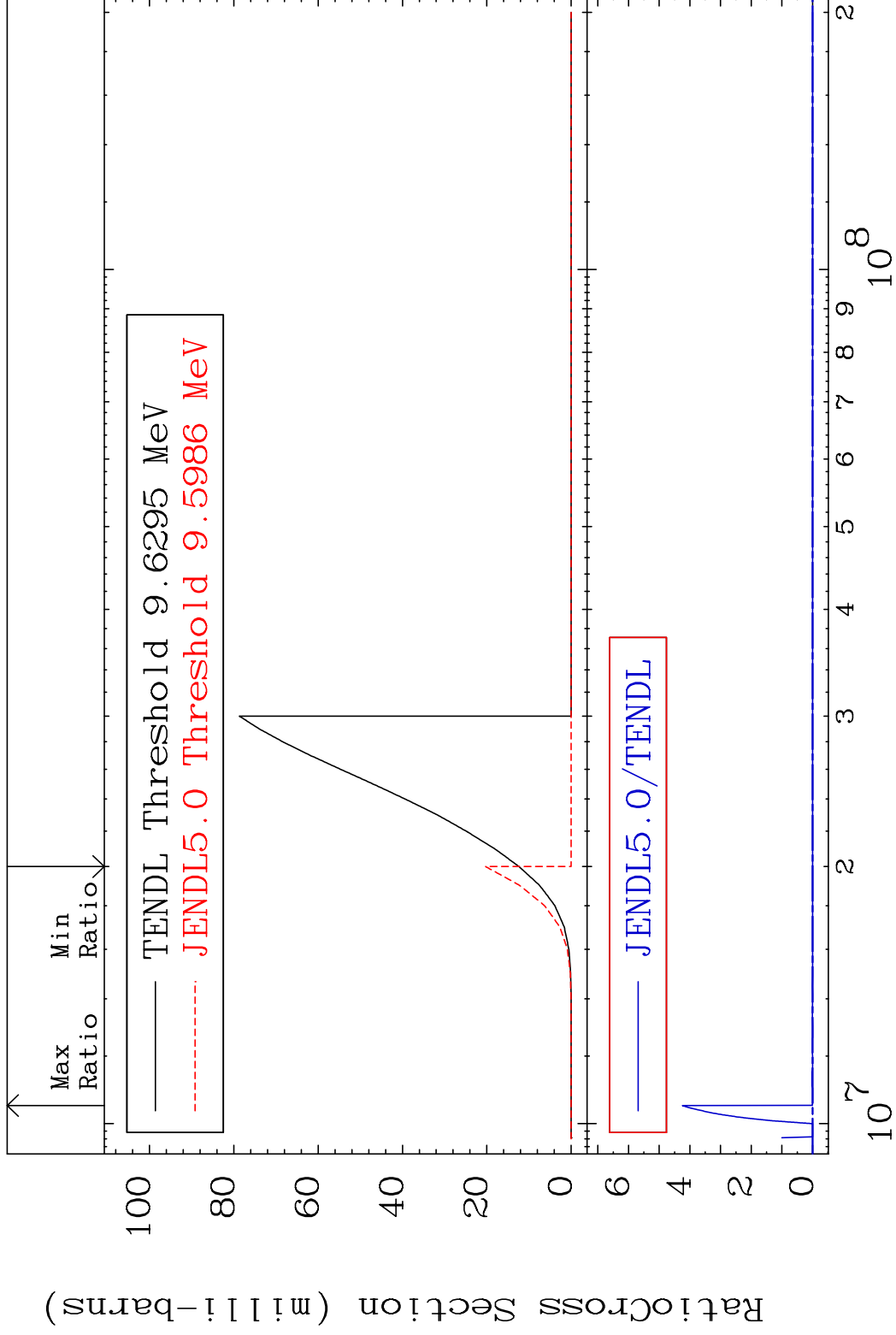
54-Xe-134

MAT 5455

(n, n') p

54-Xe-134

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

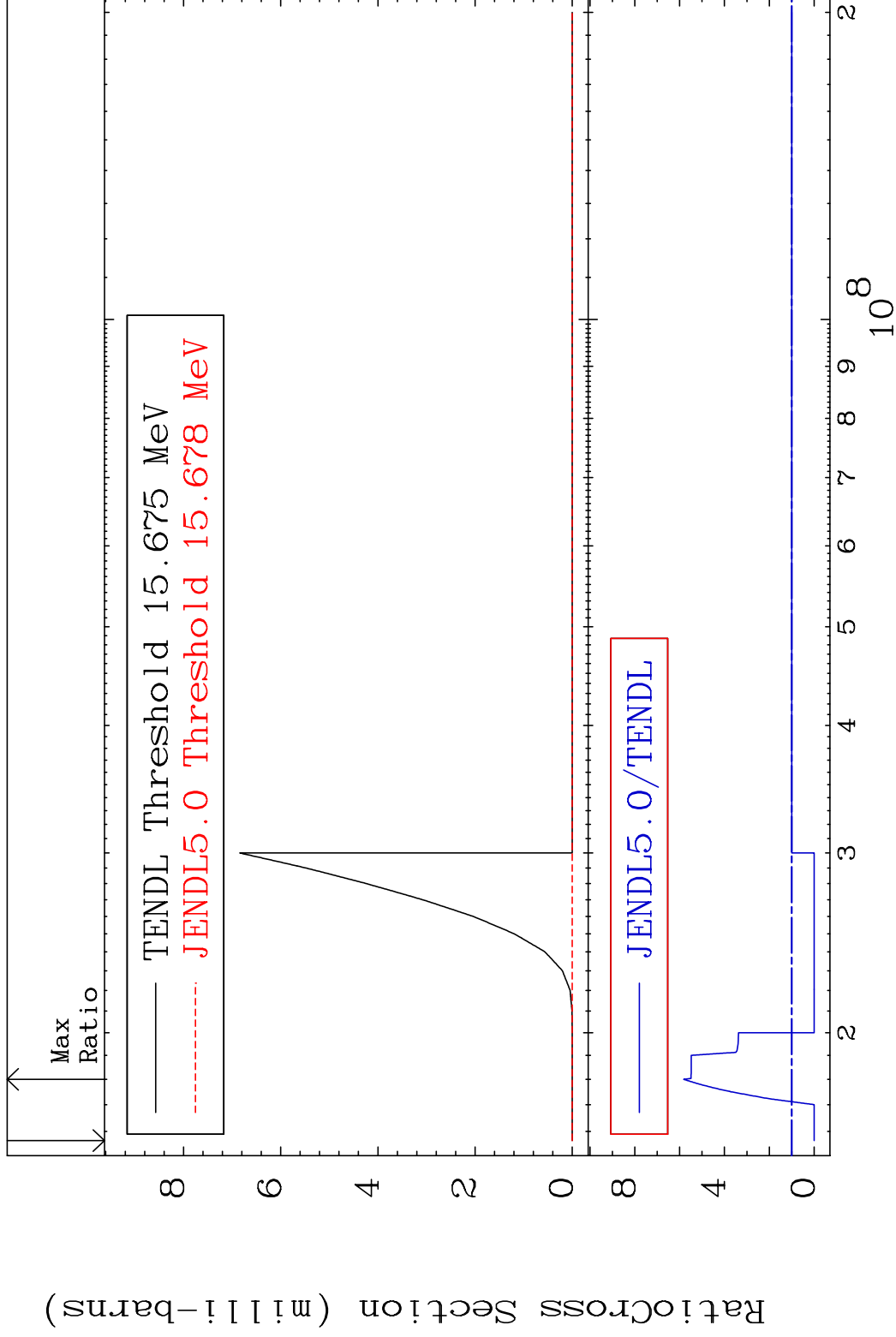
54-Xe-134

MAT 5455

(n, n') d

54-Xe-134

Cross Section -100.0 To 482.1 %

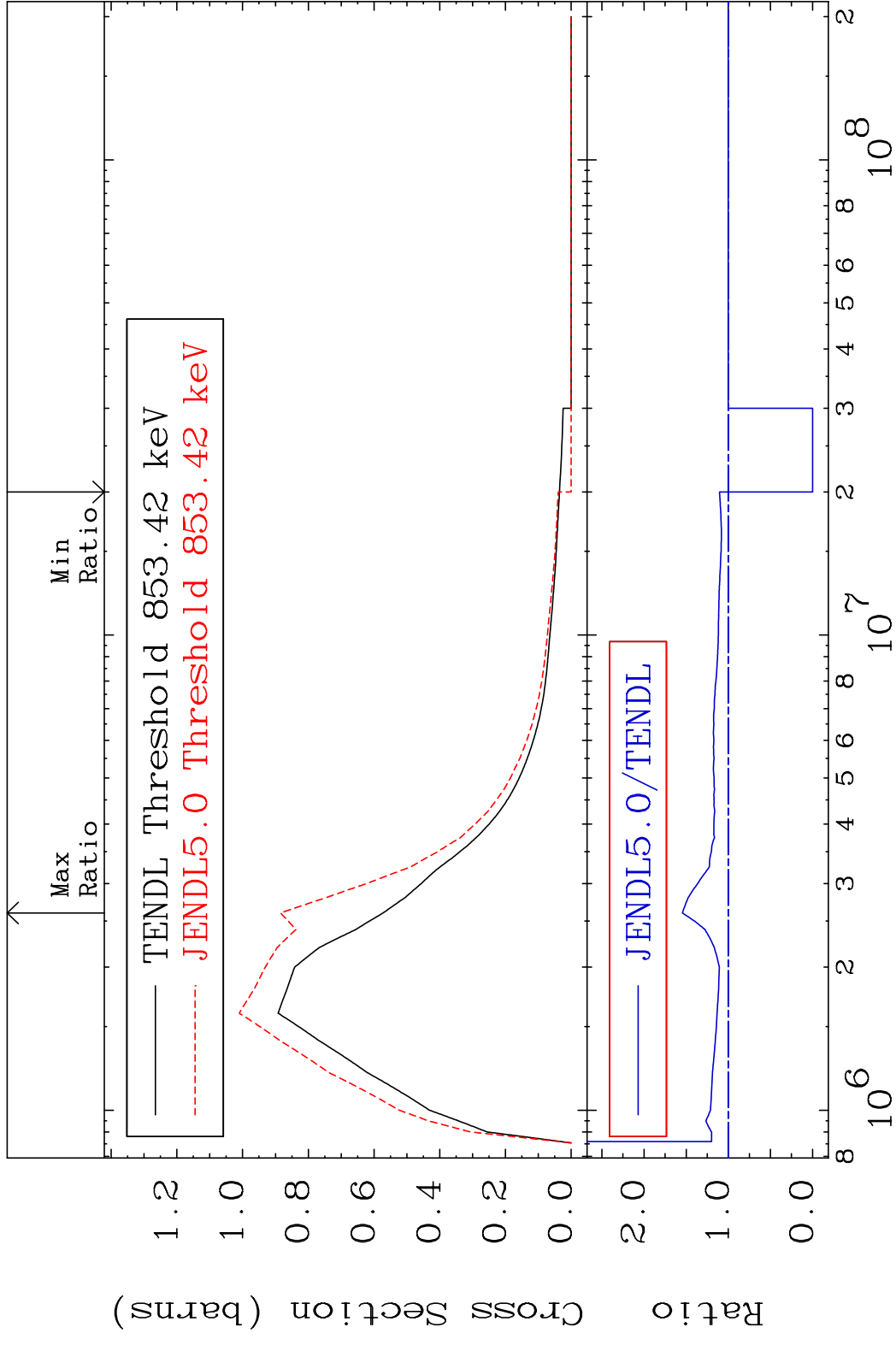


9

Incident Energy (eV)

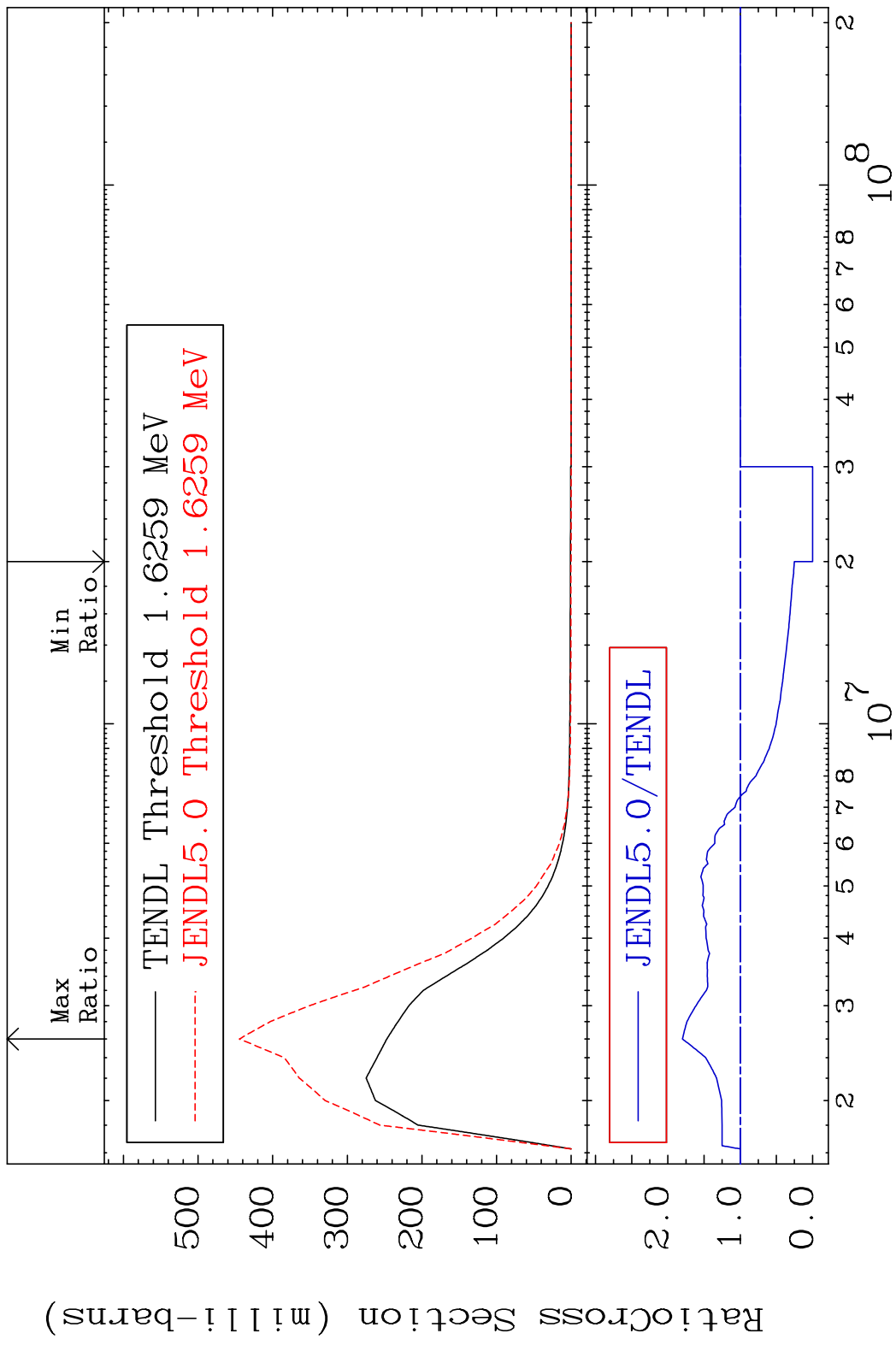
54-Xe-134

MAT 5455 MT= 51 (n, n') Level 54-Xe-134
 Cross Section -100.0 To 54.53 %

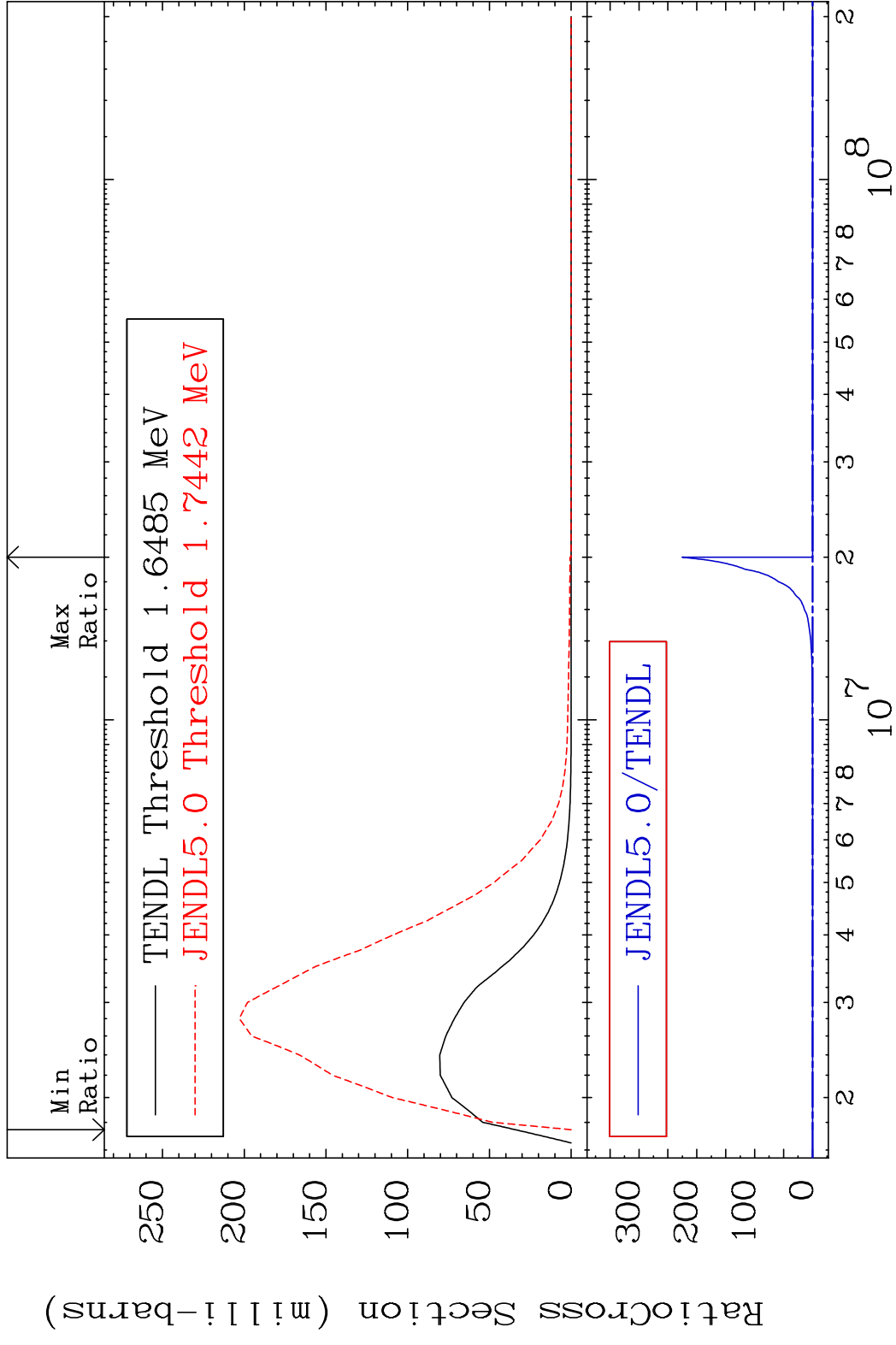


10 Incident Energy (eV) 54-Xe-134

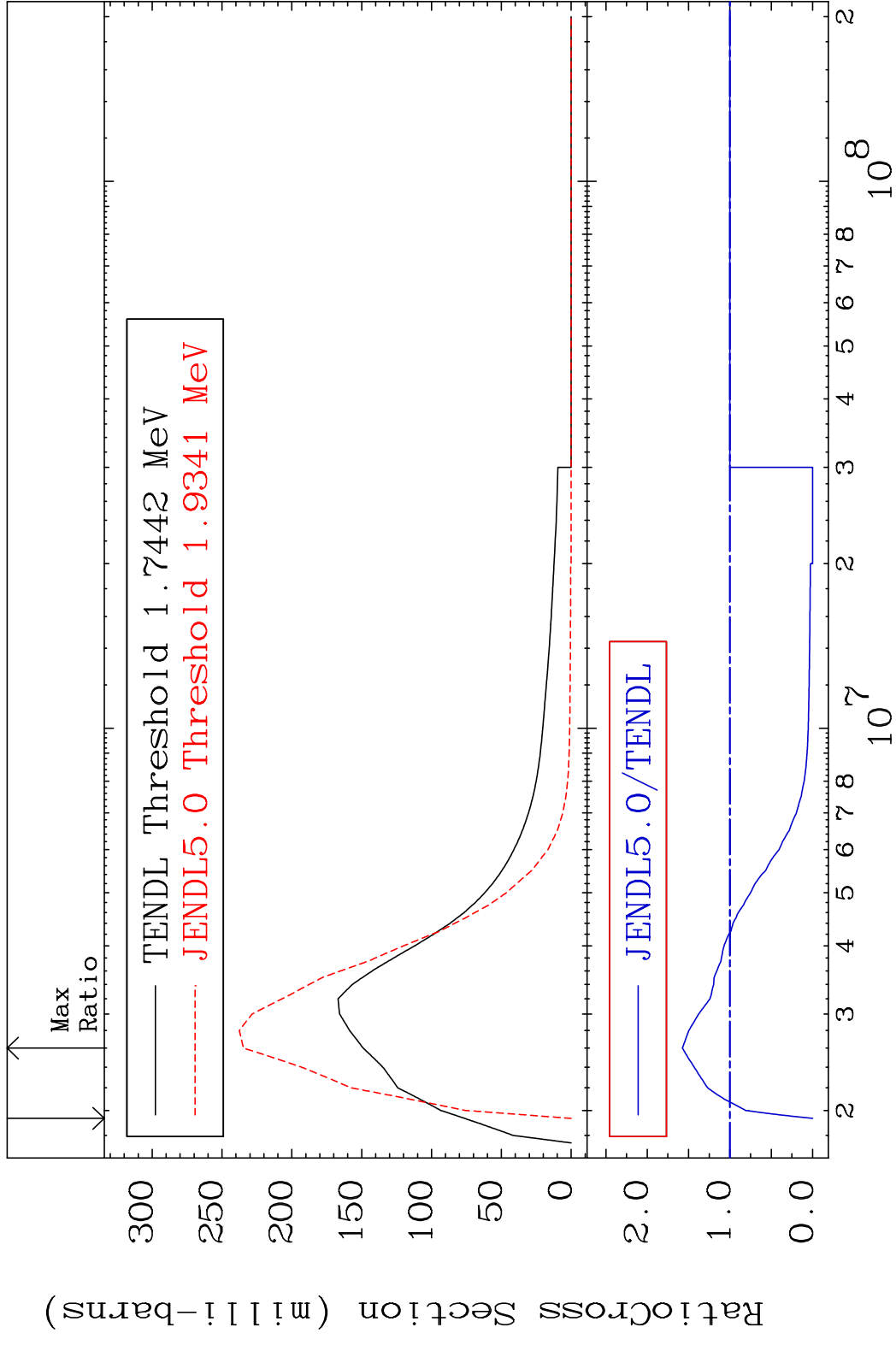
MAT 5455 MT= 52 (n, n') Level 54-Xe-134
 Cross Section -100.0 To 79.97 %



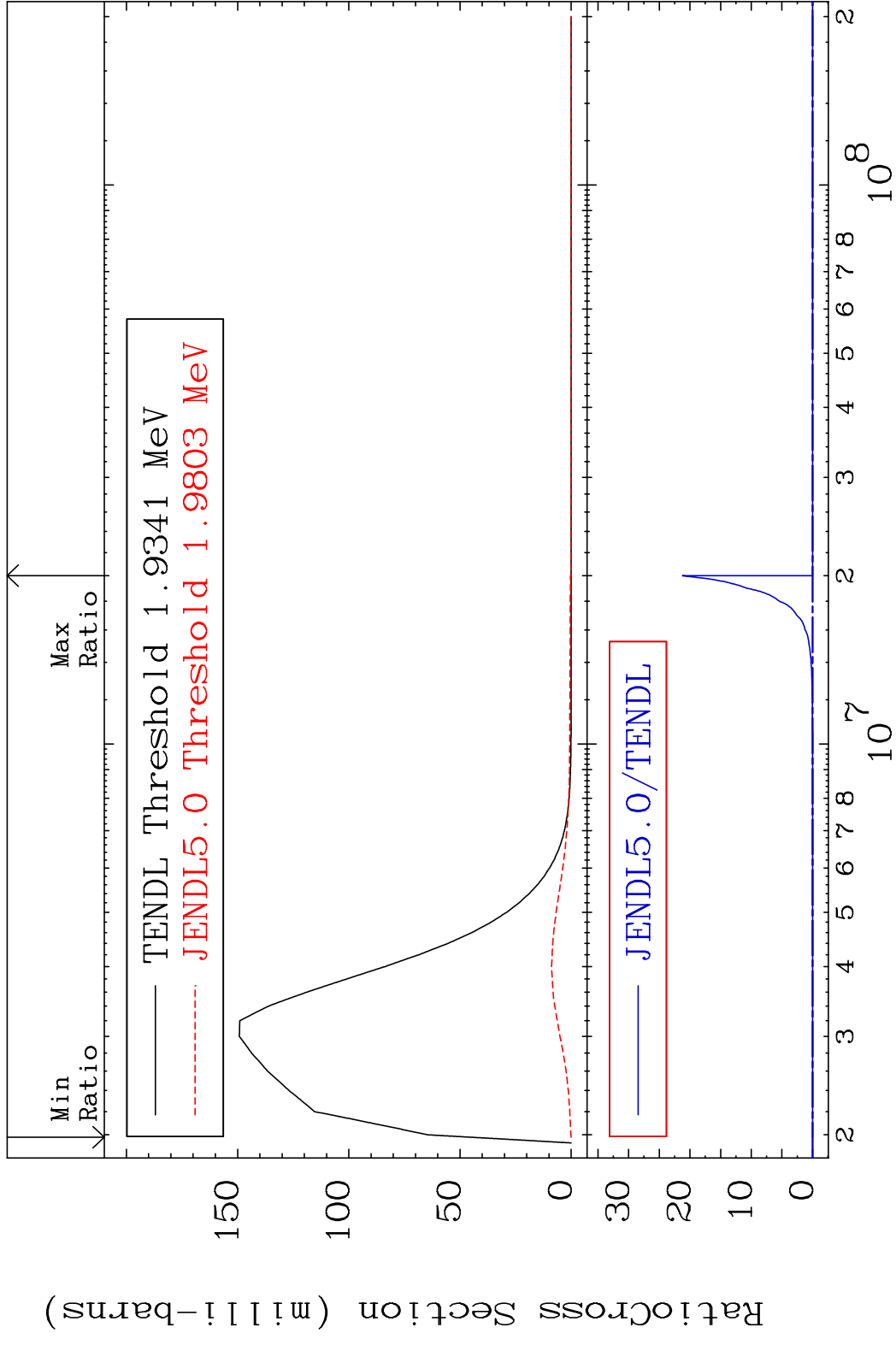
MAT 5455 MT= 53 (n, n') Level 54-Xe-134
 Cross Section -100.0 To 9999. %



MAT 5455 MT= 54 (n,n') Level 54-Xe-134
 Cross Section -100.0 To 57.51 %

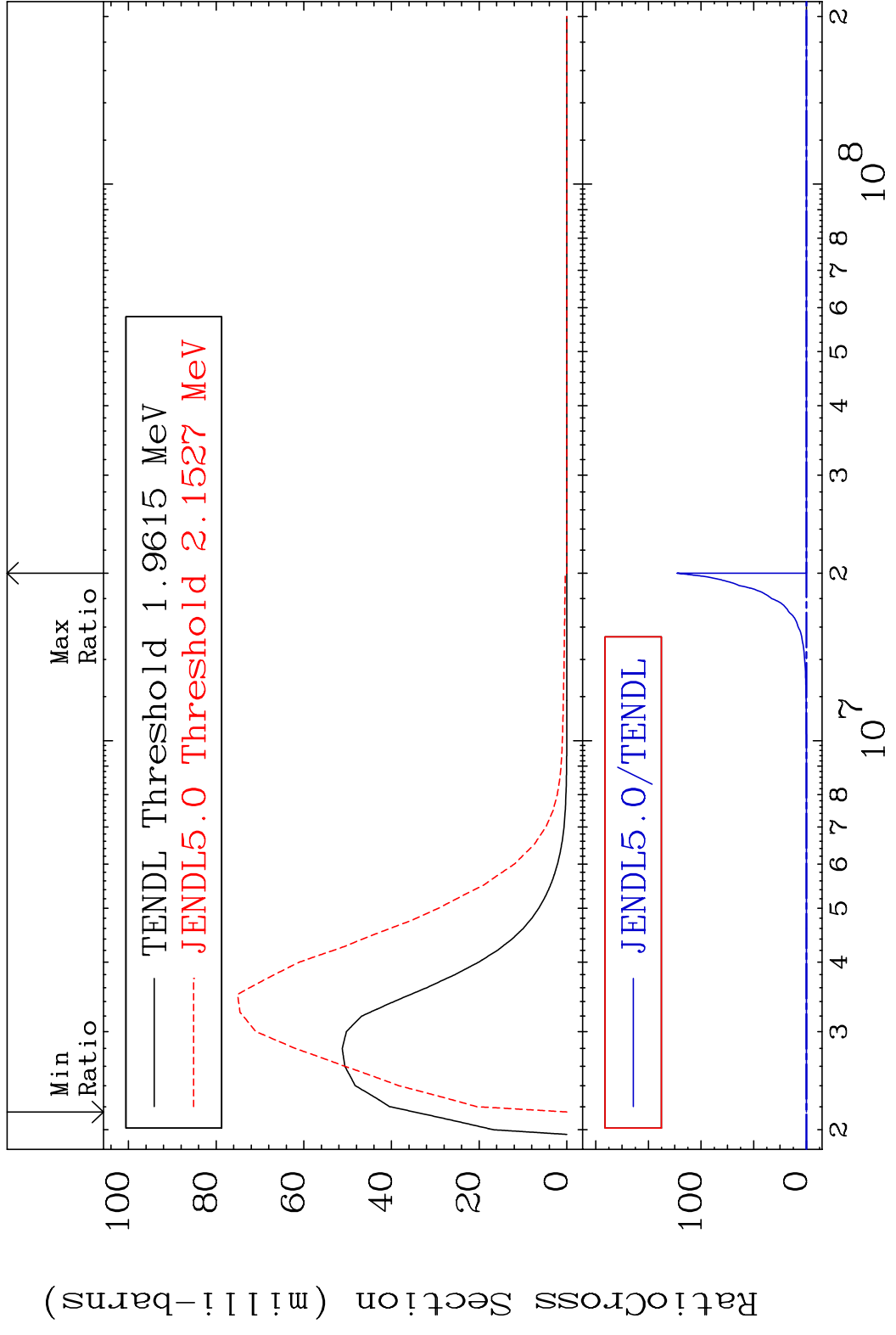


MAT 5455 MT= 55 (n, n') Level 54-Xe-134
 Cross Section -100.0 To 9999. %

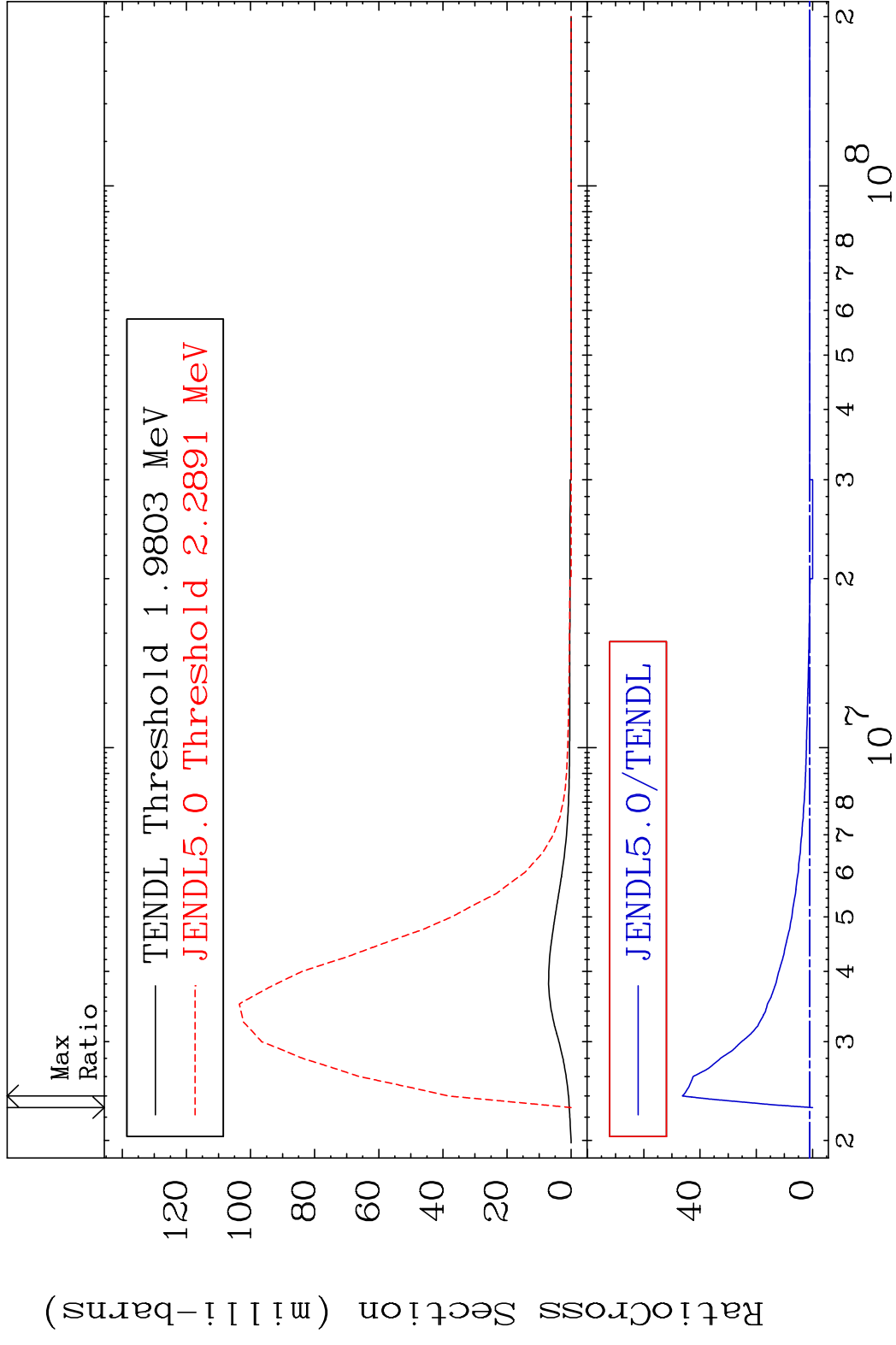


14 Incident Energy (eV) 54-Xe-134

MAT 5455 MT= 56 (n, n') Level 54-Xe-134
 Cross Section -100.0 To 9999. %

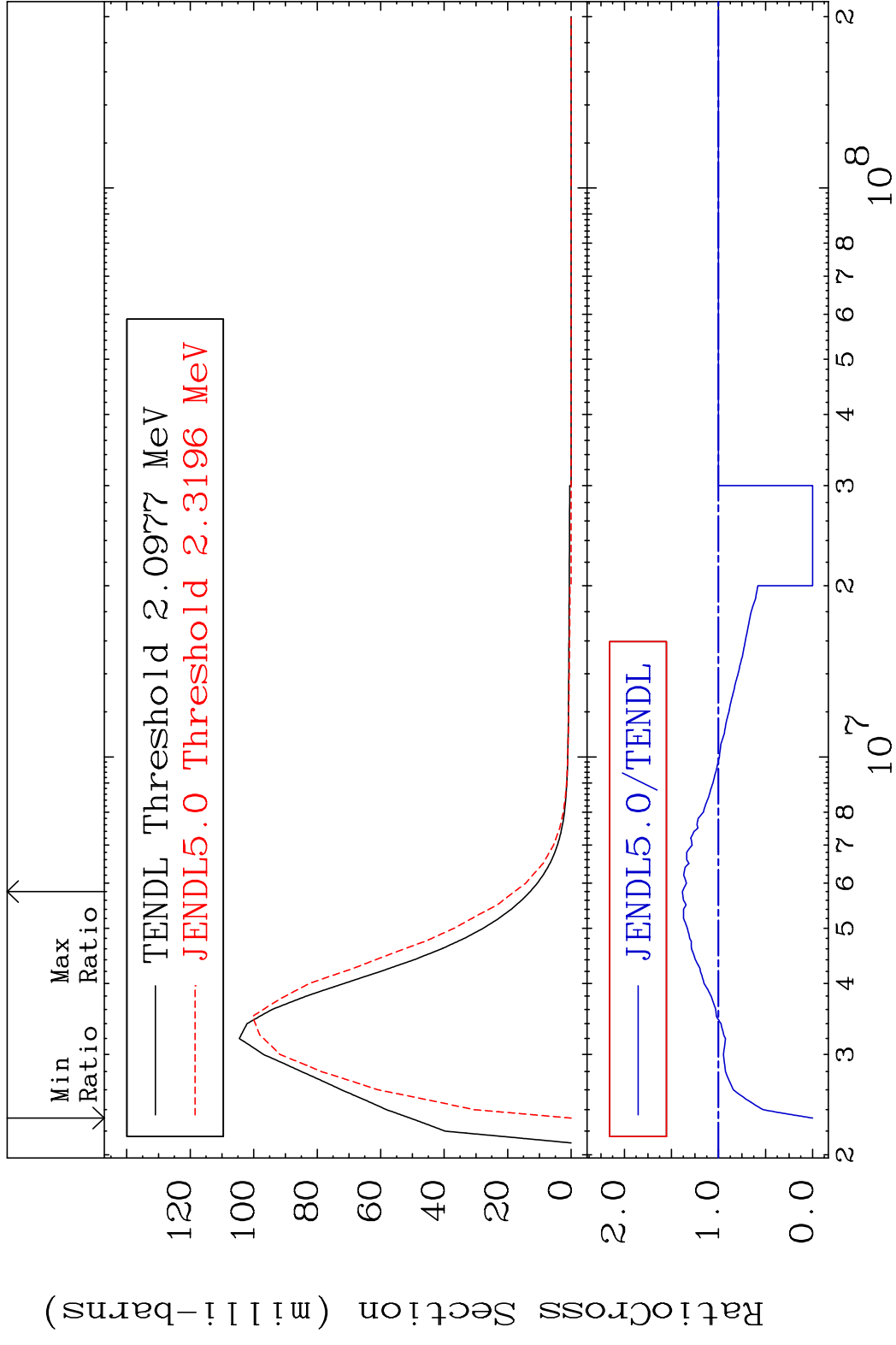


MAT 5455 MT= 57 (n,n') Level 54-Xe-134
 Cross Section -100.0 To 4528. %

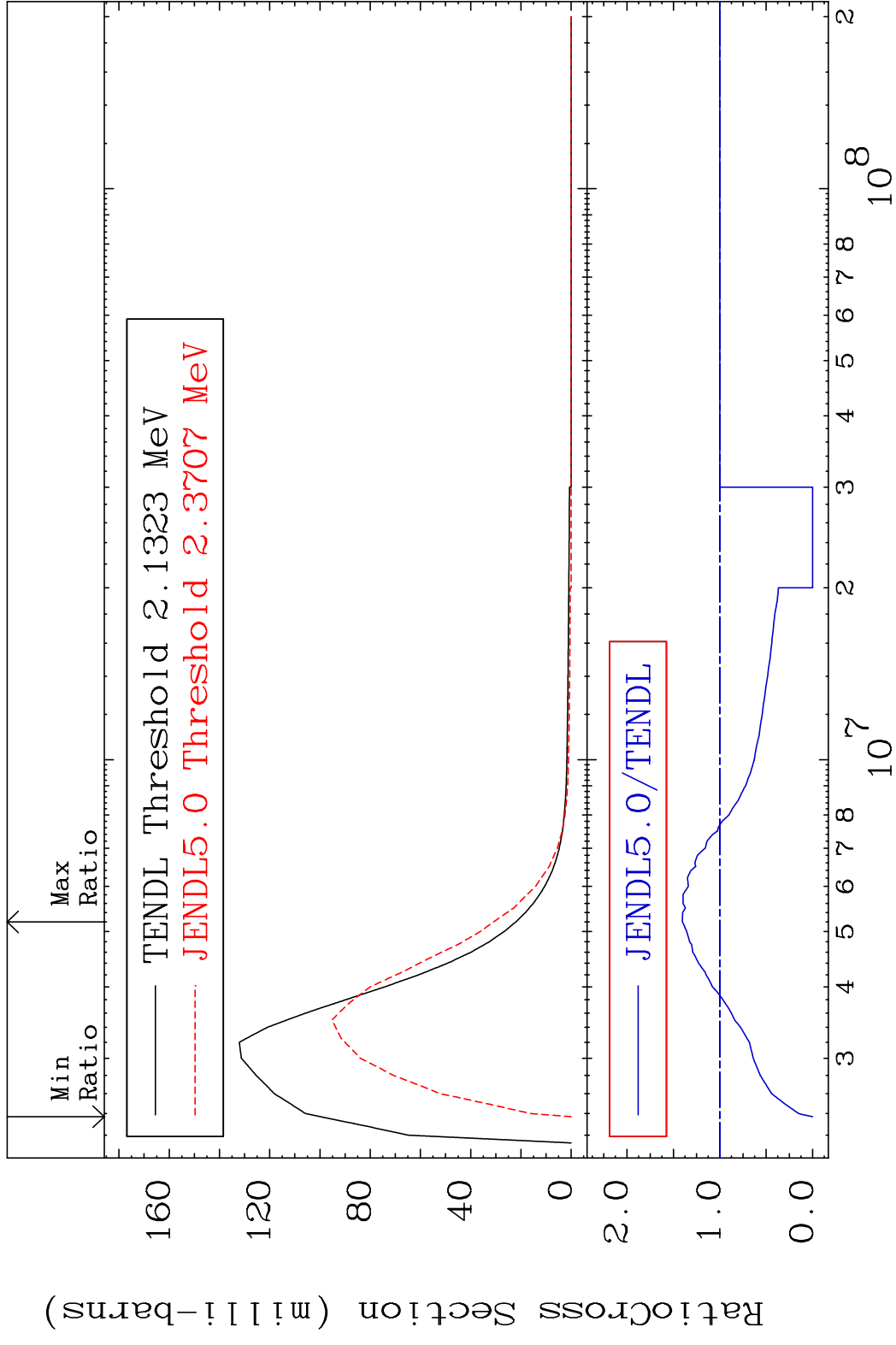


16 Incident Energy (eV) 54-Xe-134

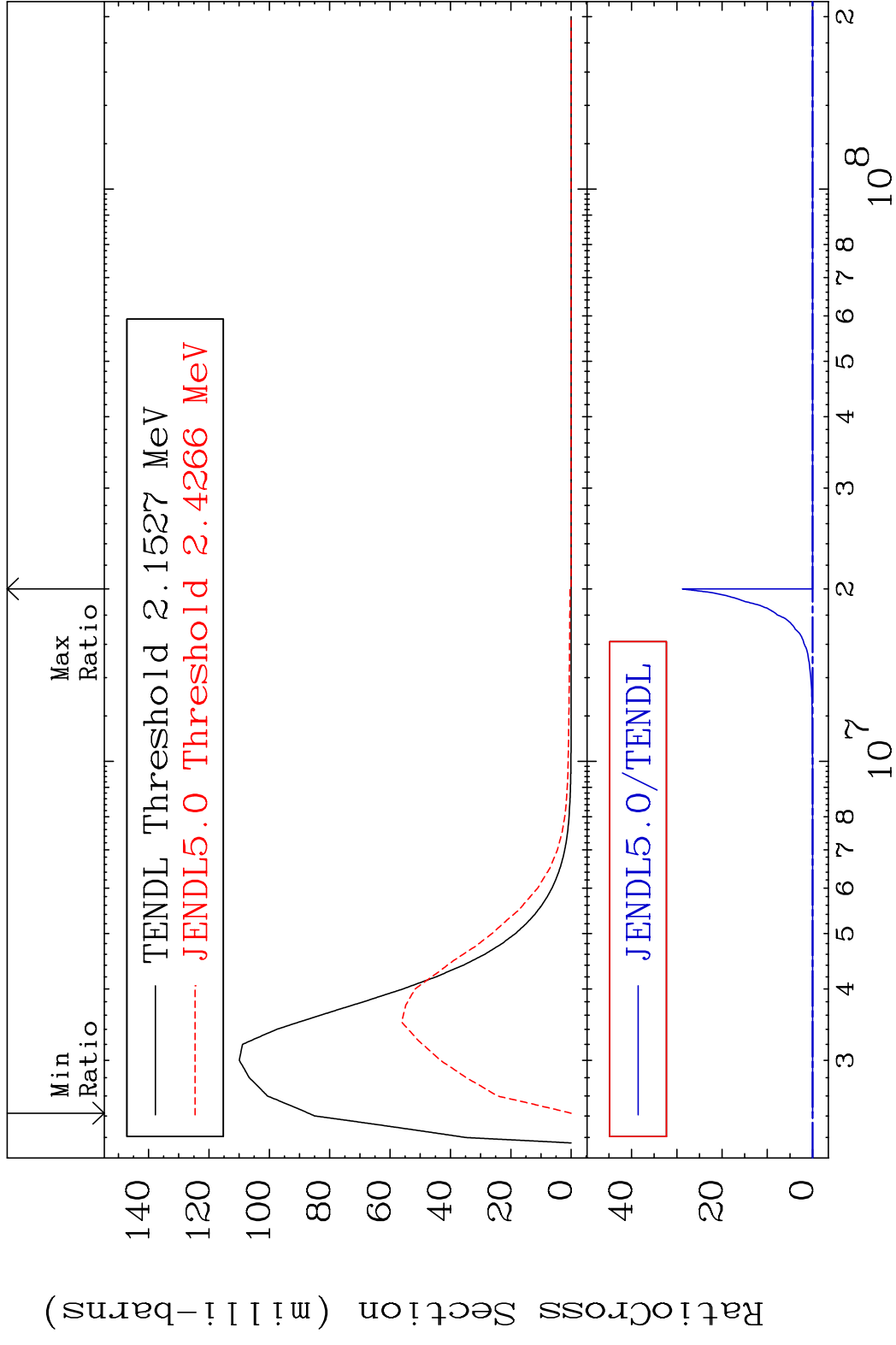
MAT 5455 MT= 58 (n,n') Level 54-Xe-134
 Cross Section -100.0 To 38.41 %



MAT 5455 MT= 59 (n, n') Level 54-Xe-134
 Cross Section -100.0 To 40.35 %



MAT 5455 MT= 60 (n, n') Level 54-Xe-134
 Cross Section -100.0 To 9999. %

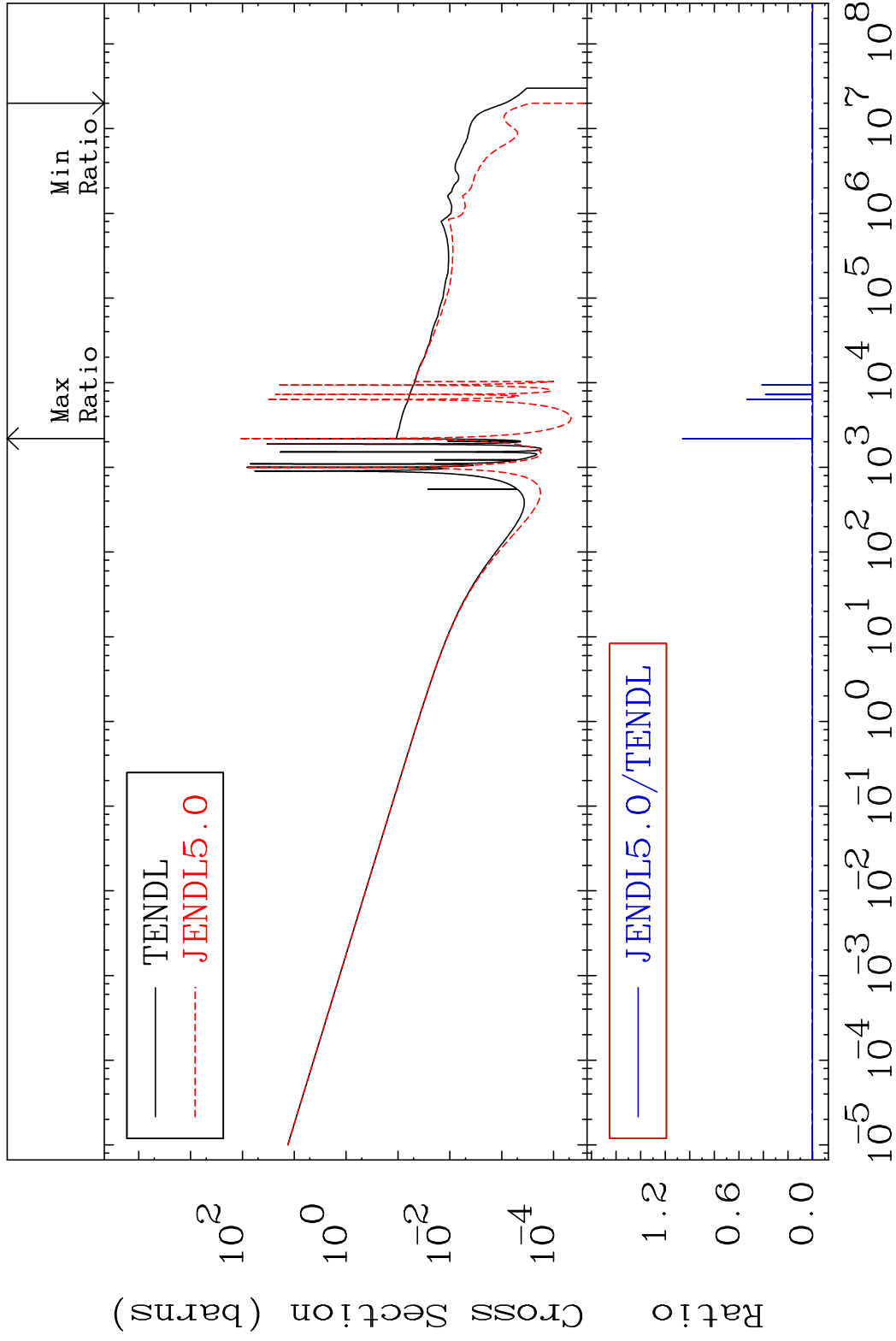


MAT 5455

(n, γ)

54-Xe-134

Cross Section -100.0 To 9999. %

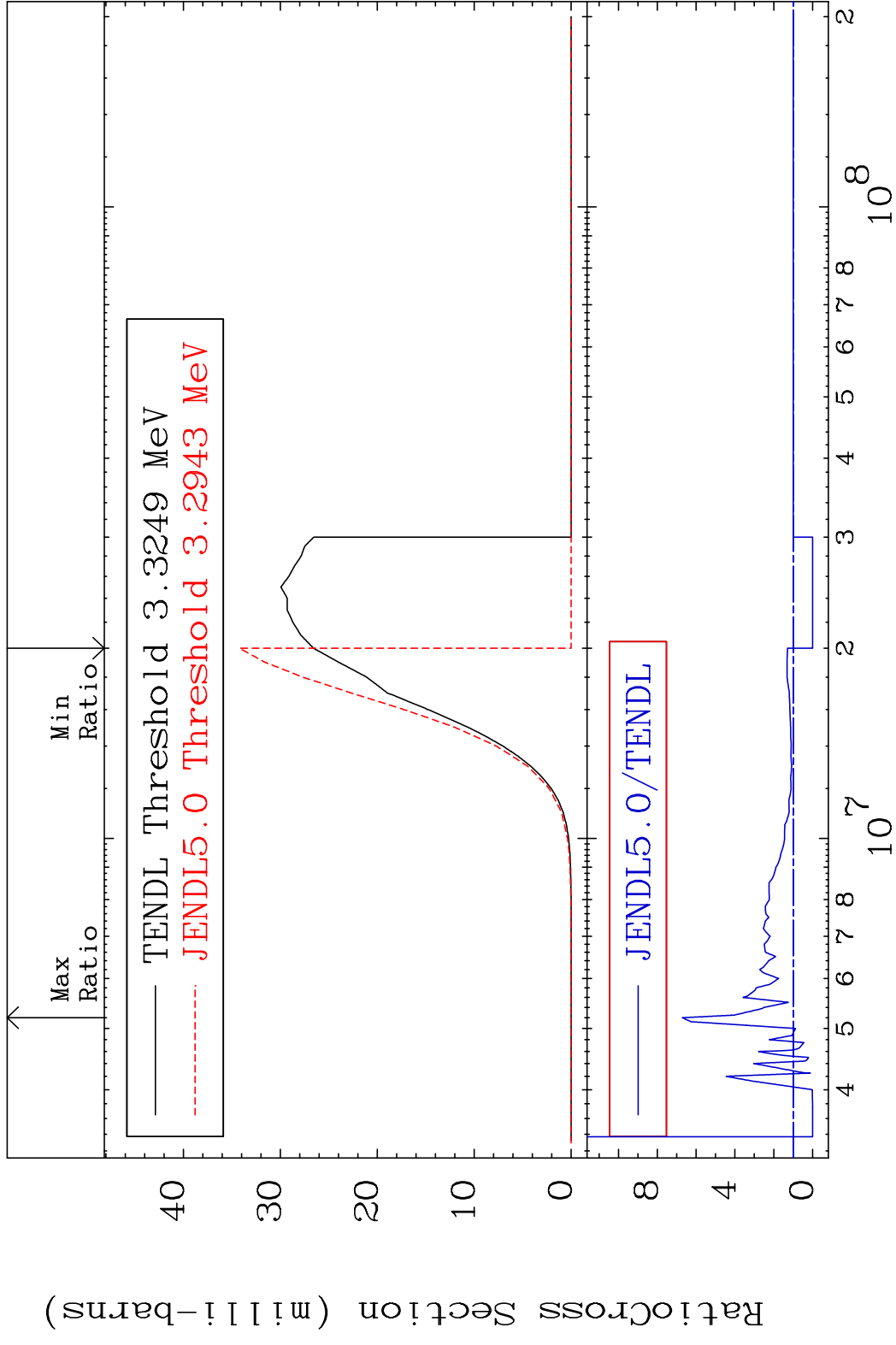


21

Incident Energy (eV)

54-Xe-134

MAT 5455 (n,p) 54-Xe-134
 Cross Section -100.0 To 570.8 %

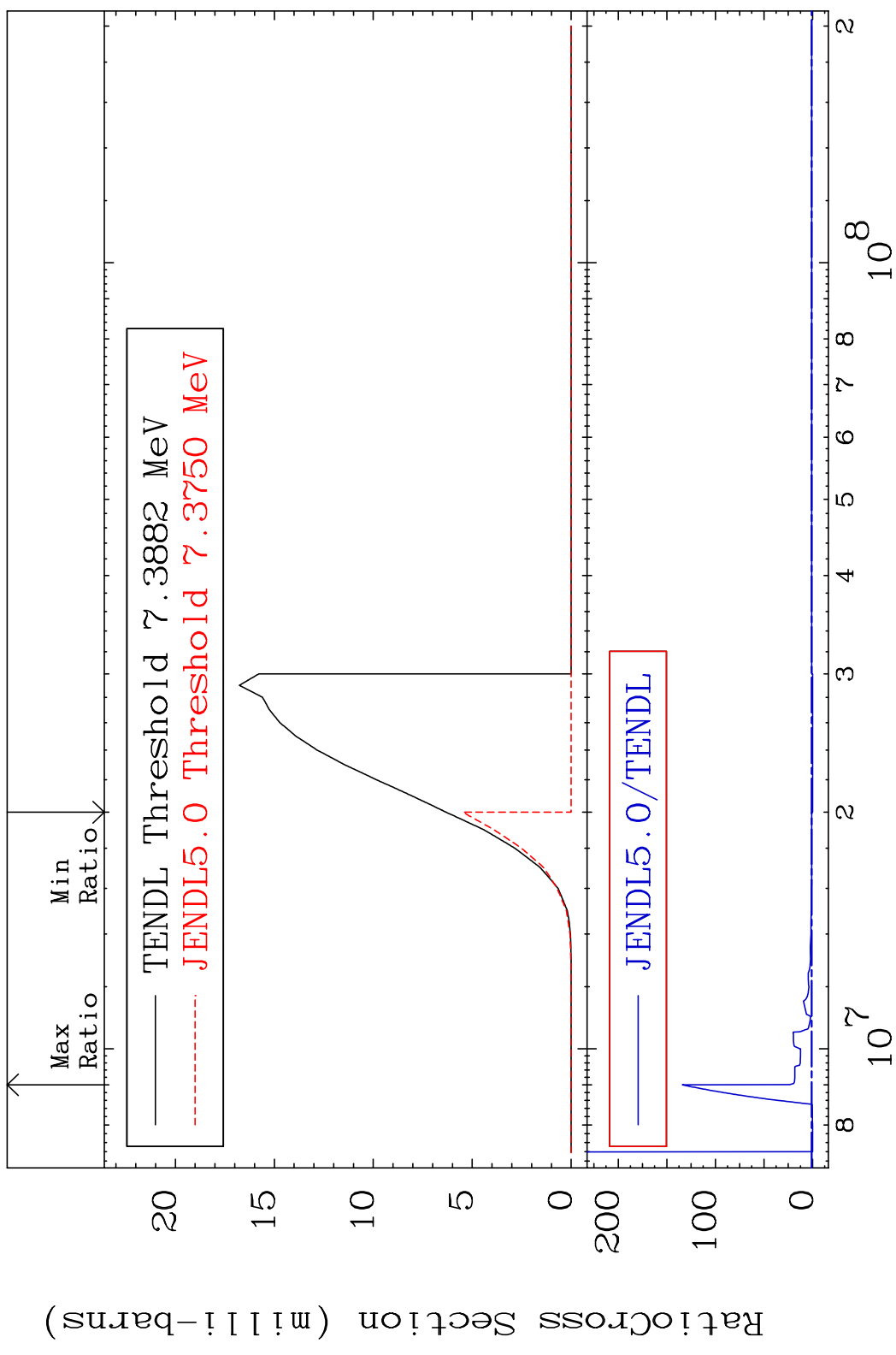


MAT 5455

(n,d)

54-Xe-134

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

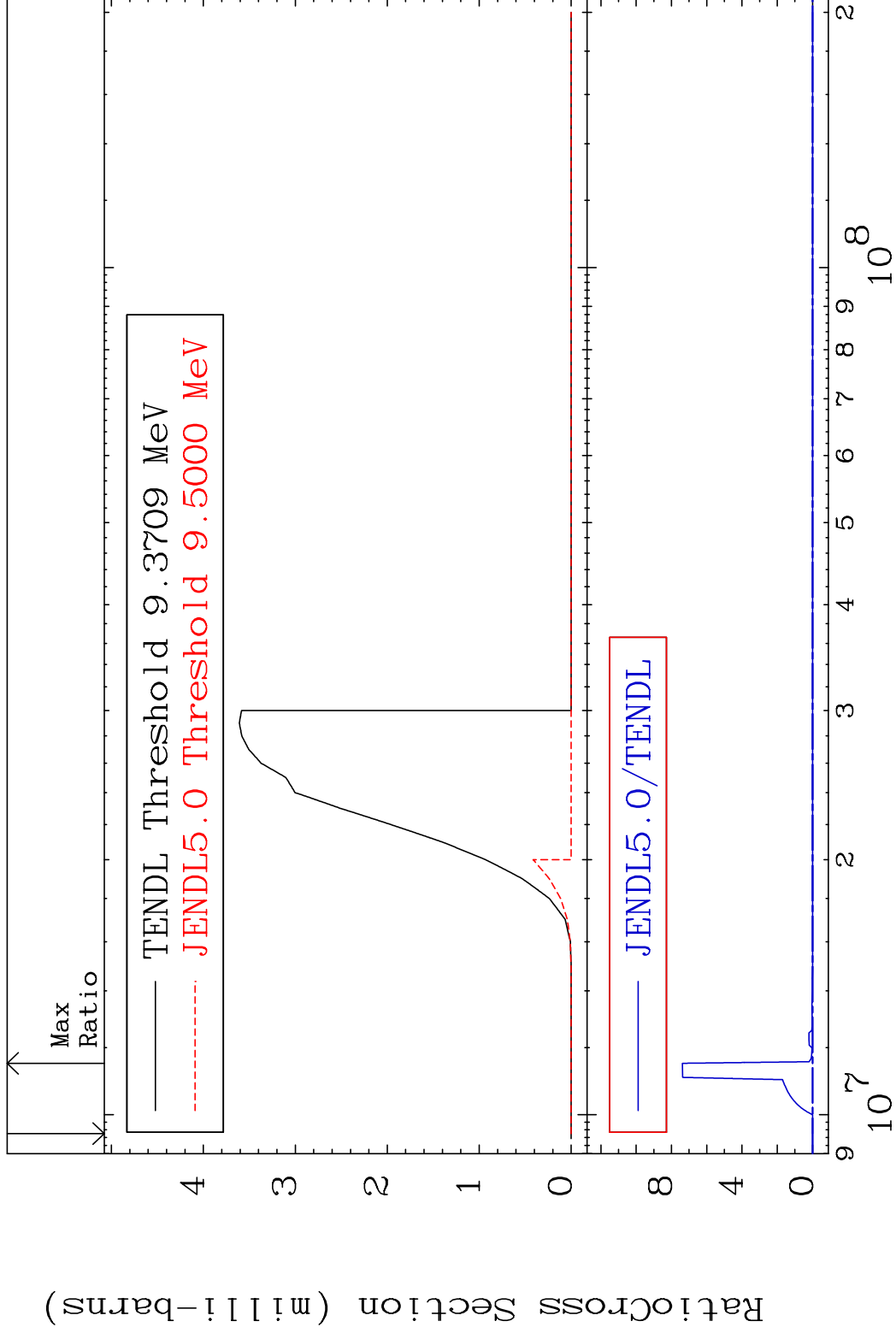
54-Xe-134

MAT 5455

(n, t)

54-Xe-134

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

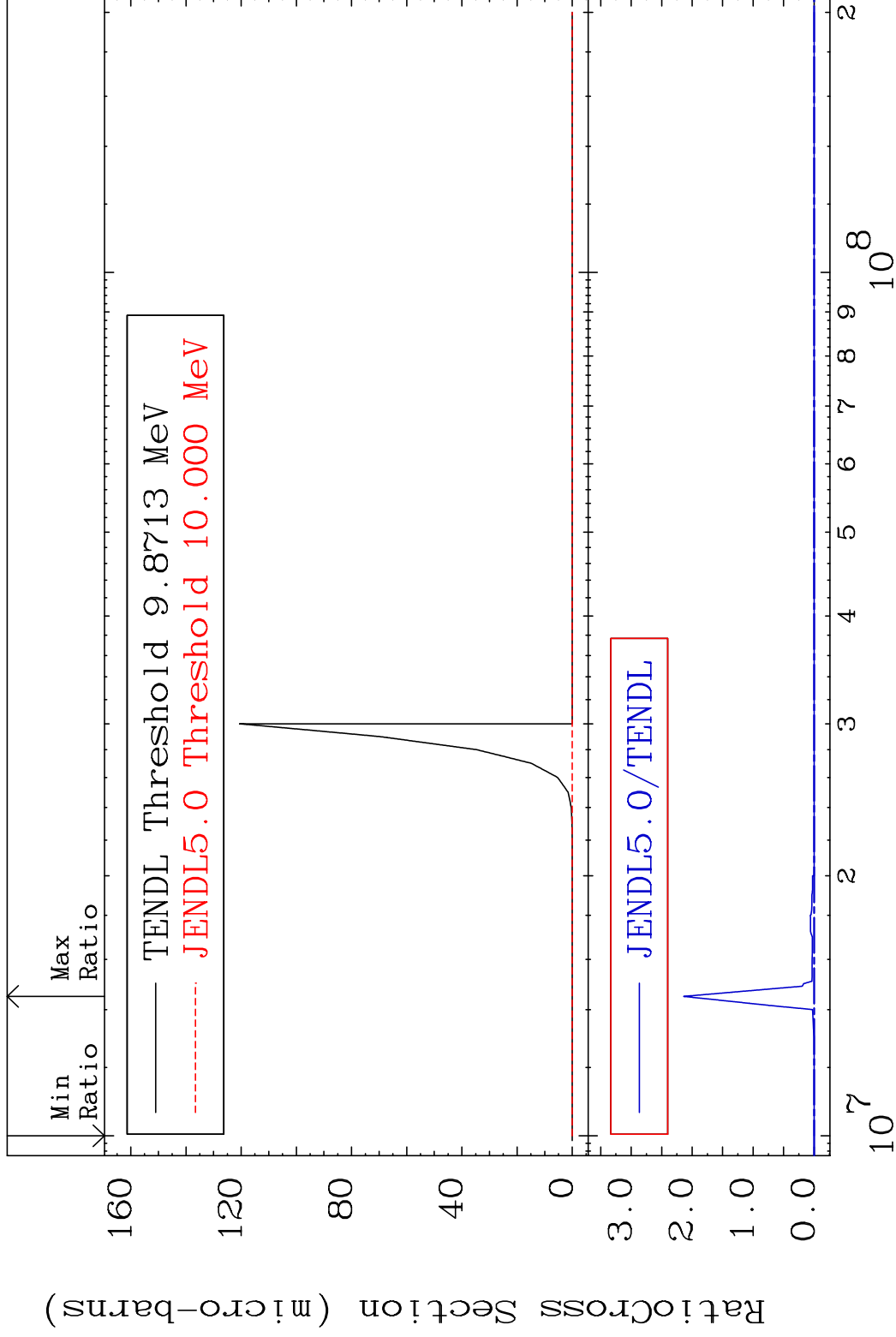
54-Xe-134

MAT 5455

(n, He-3)

54-Xe-134

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

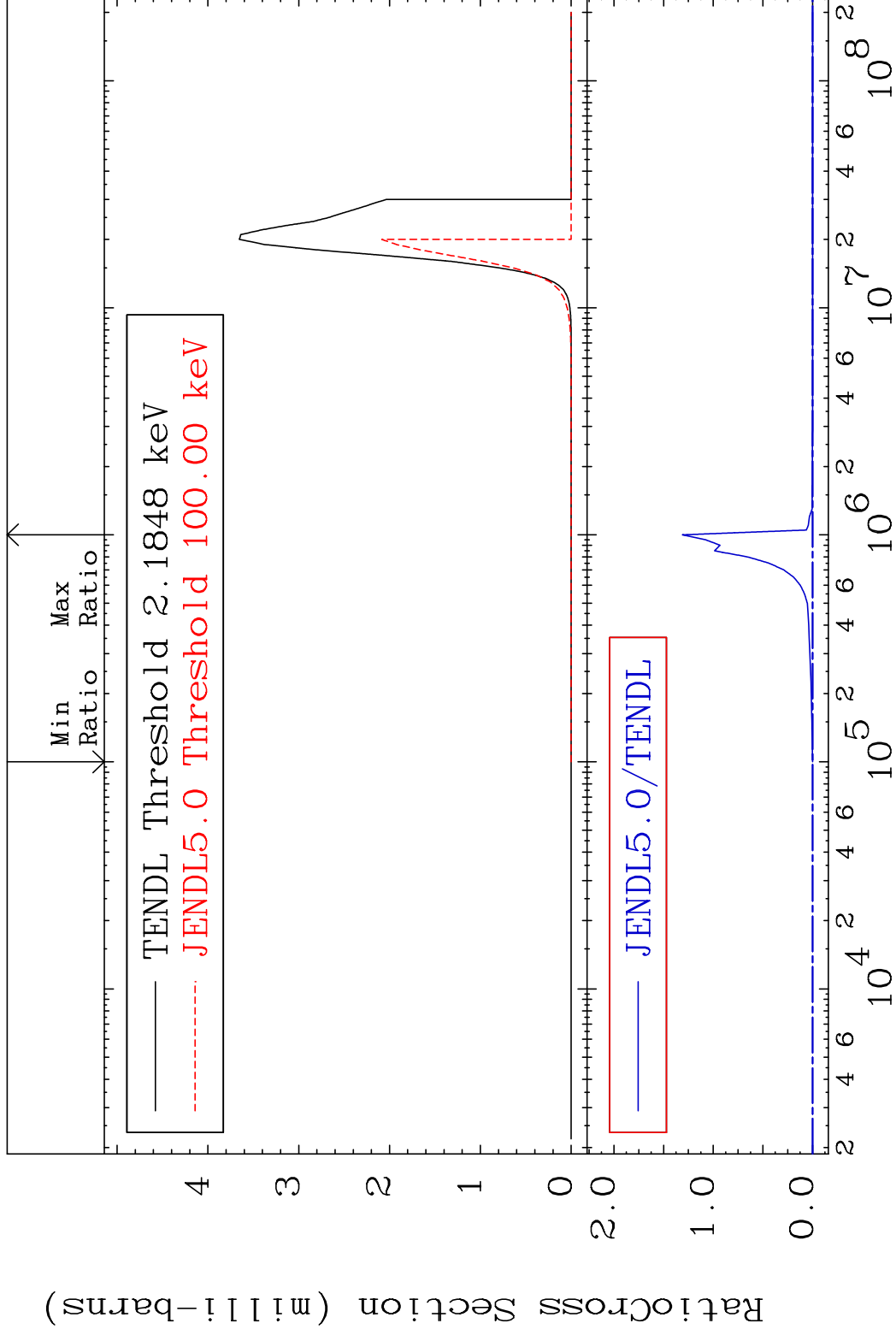
54-Xe-134

MAT 5455

(n, α)

54-Xe-134

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

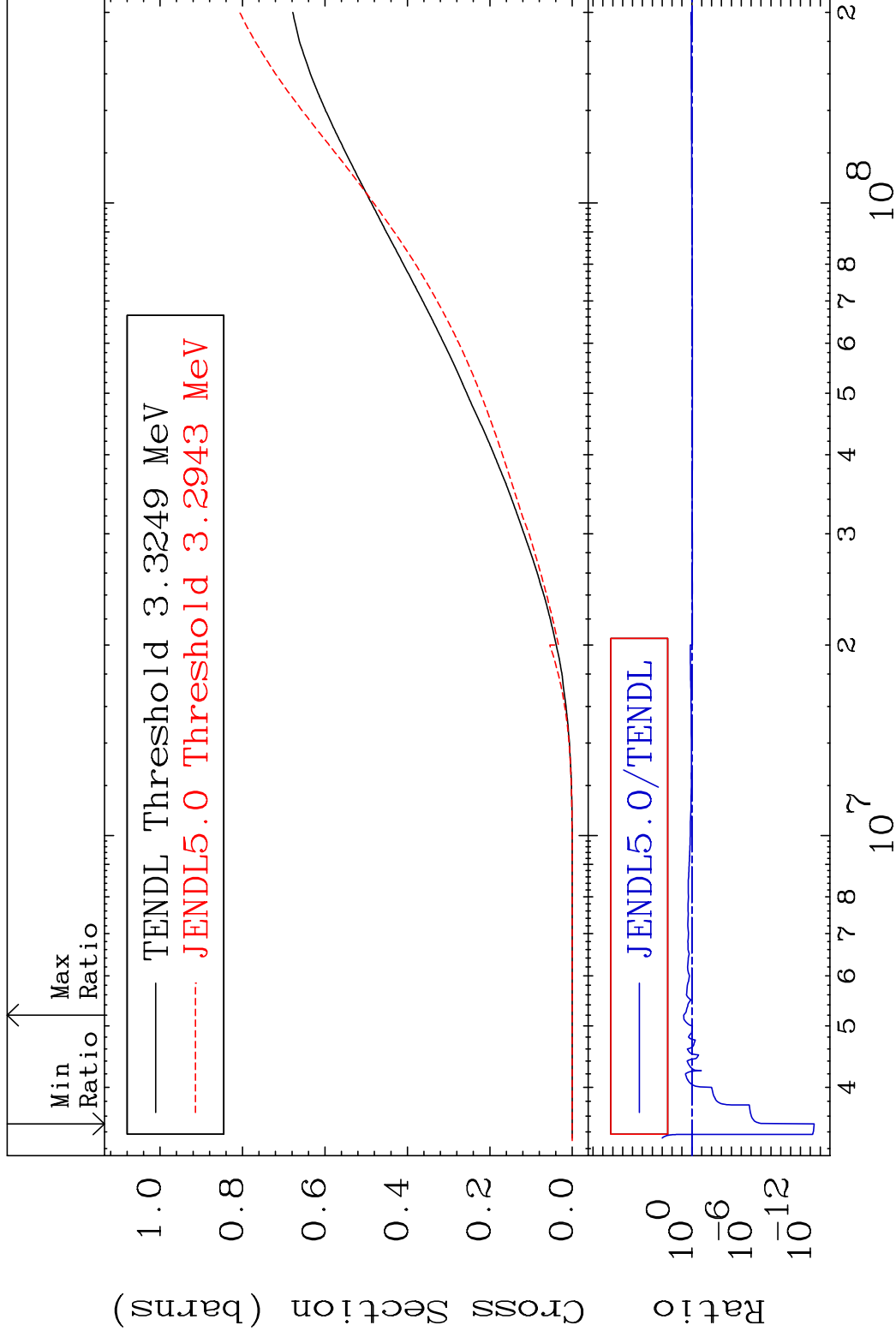
54-Xe-134

MAT 5455

Hydrogen Production

54-Xe-134

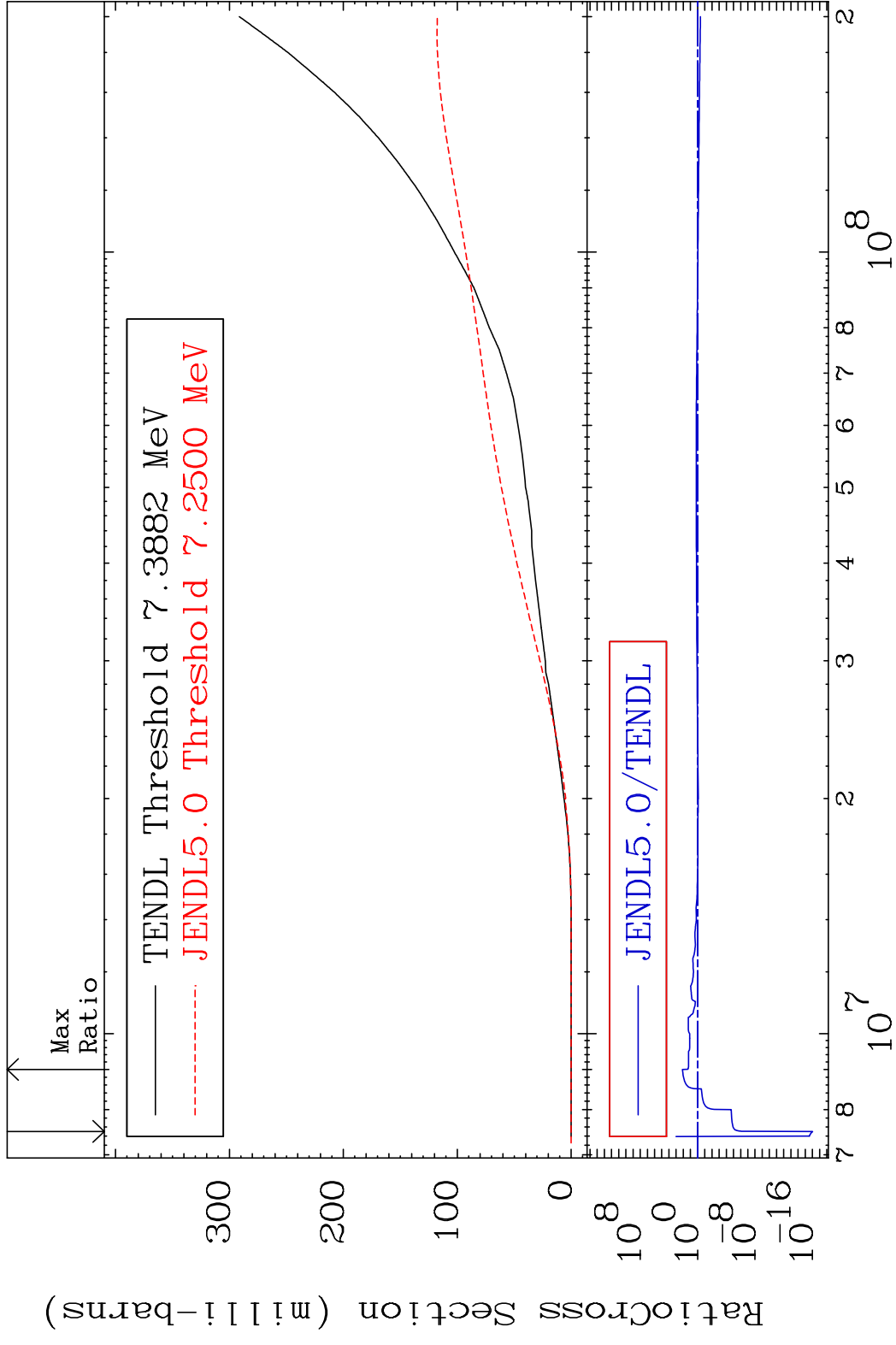
Cross Section -100.0 To 570.8 %



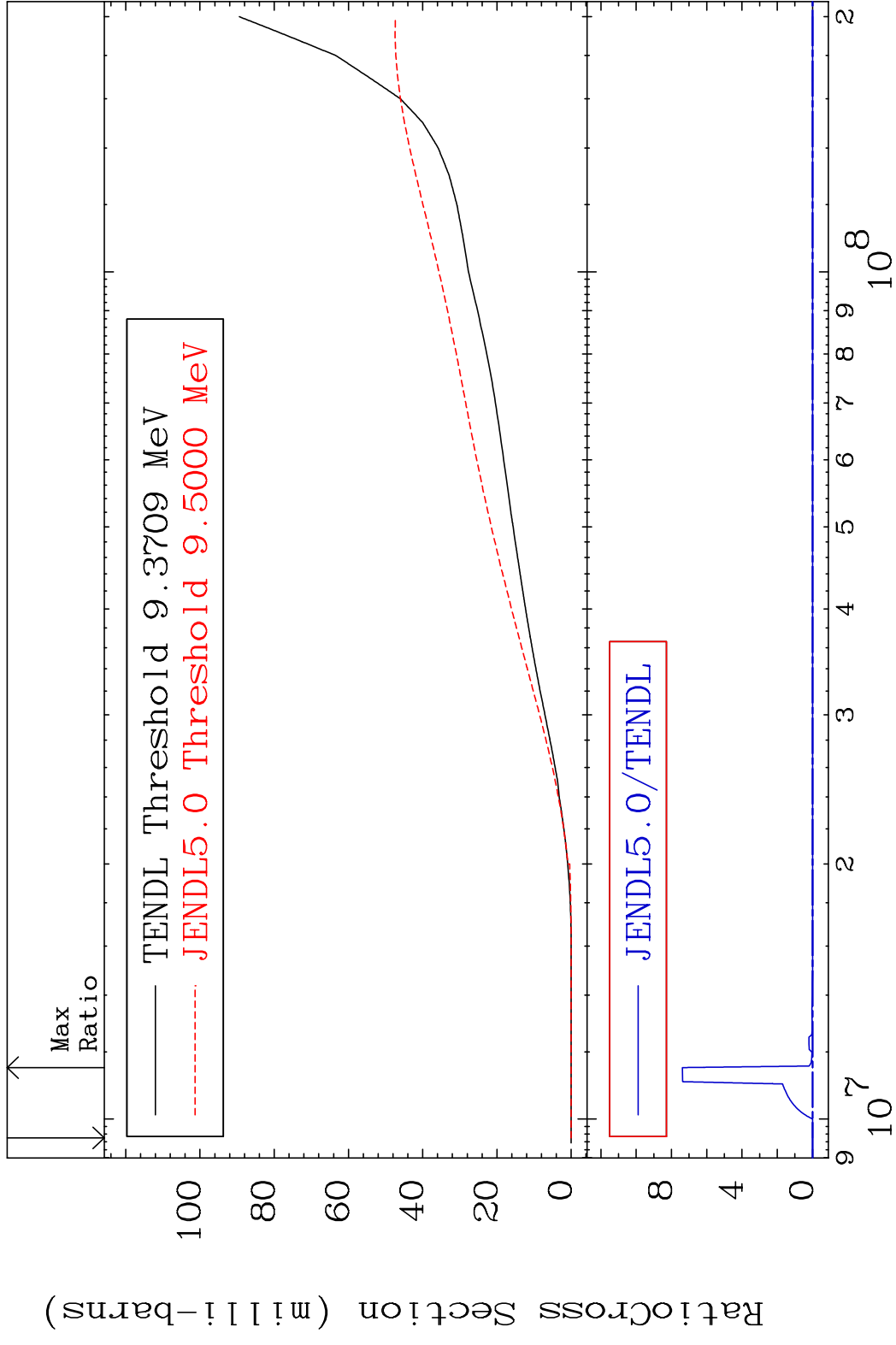
MAT 5455

Deuterium Production 54-Xe-134

Cross Section -100.0 To 9999. %



MAT 5455 Tritium Production 54-Xe-134
 Cross Section -100.0 To 9999. %



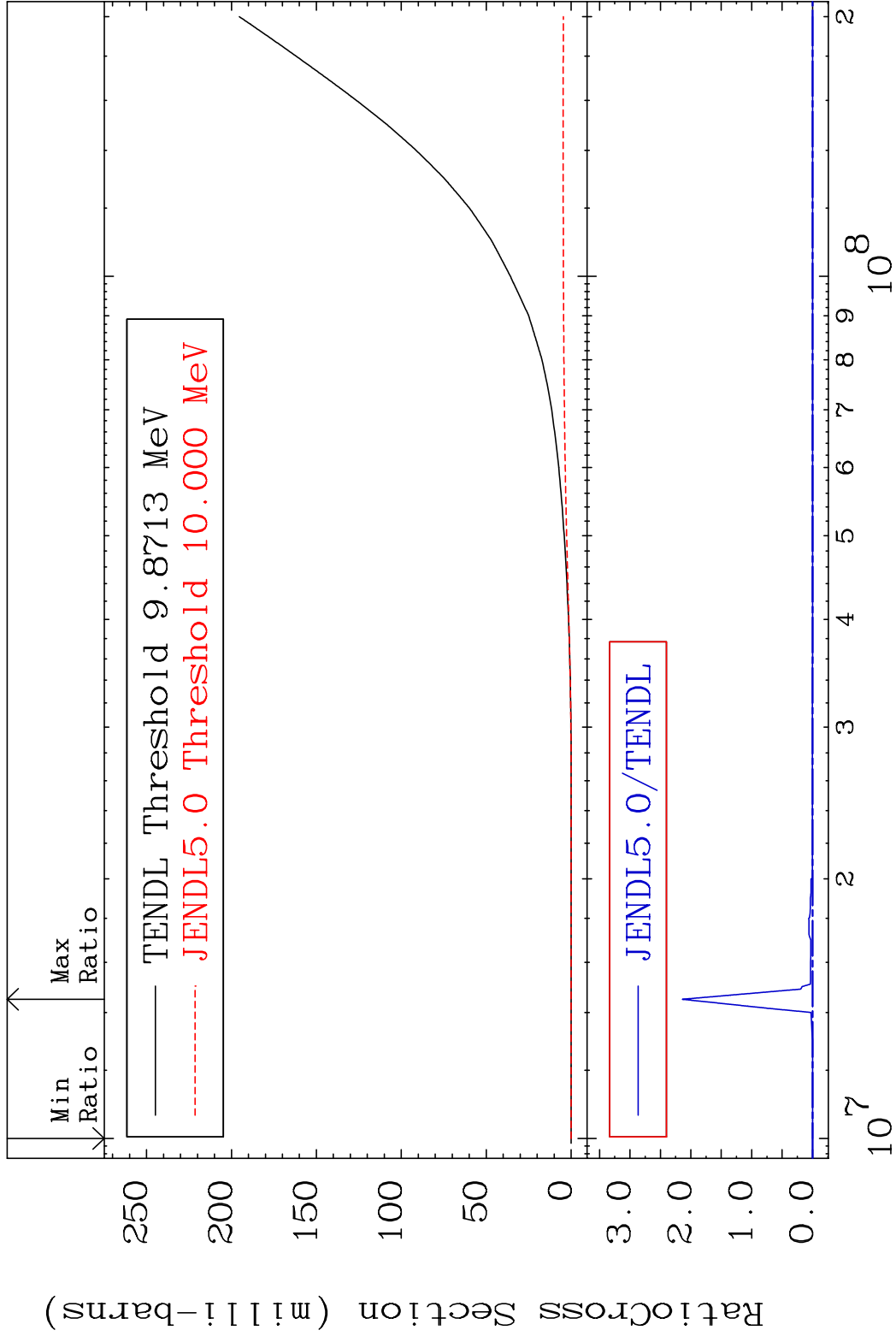
29 54-Xe-134

MAT 5455

He-3 Production

54-Xe-134

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

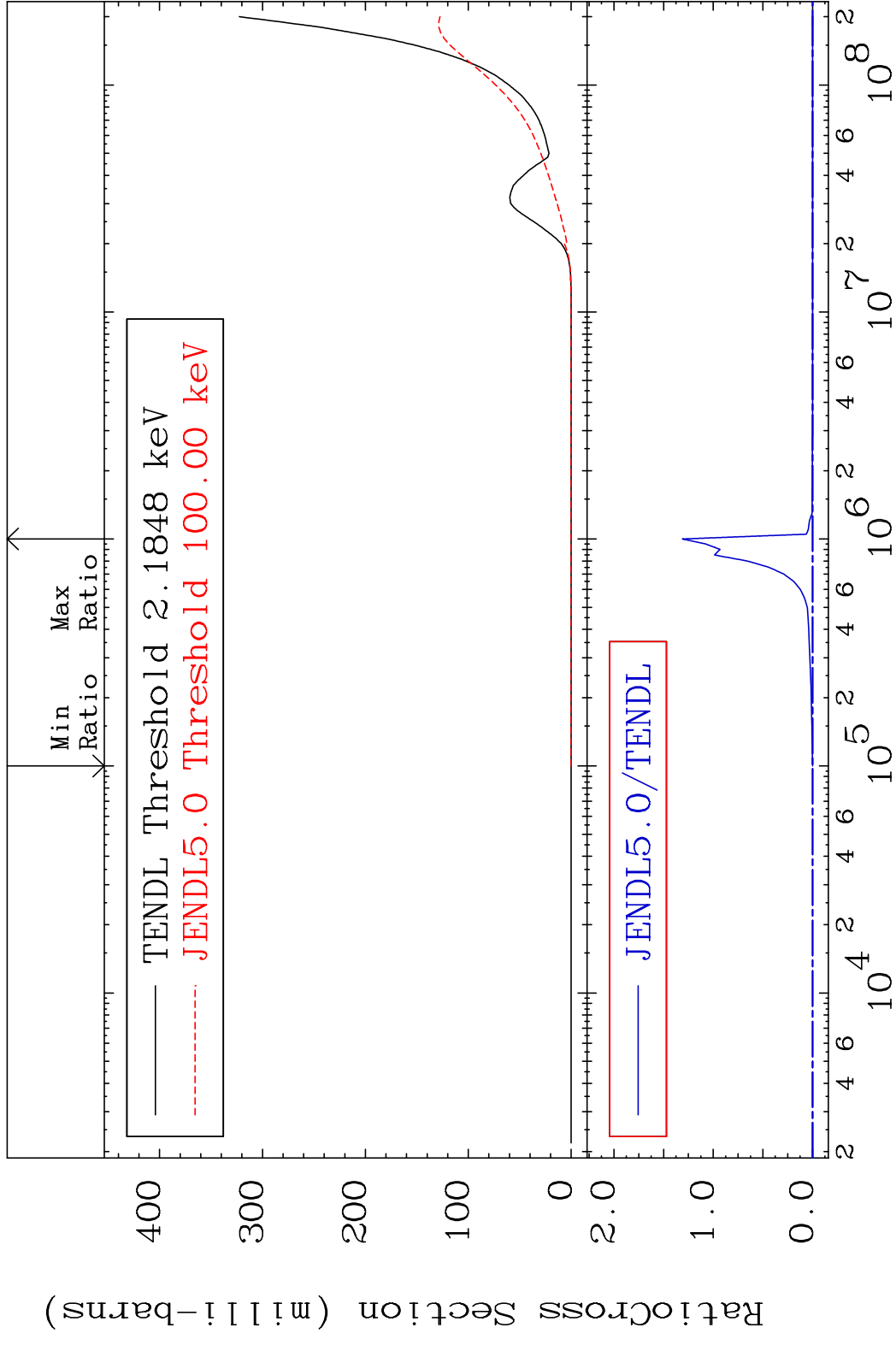
54-Xe-134

MAT 5455

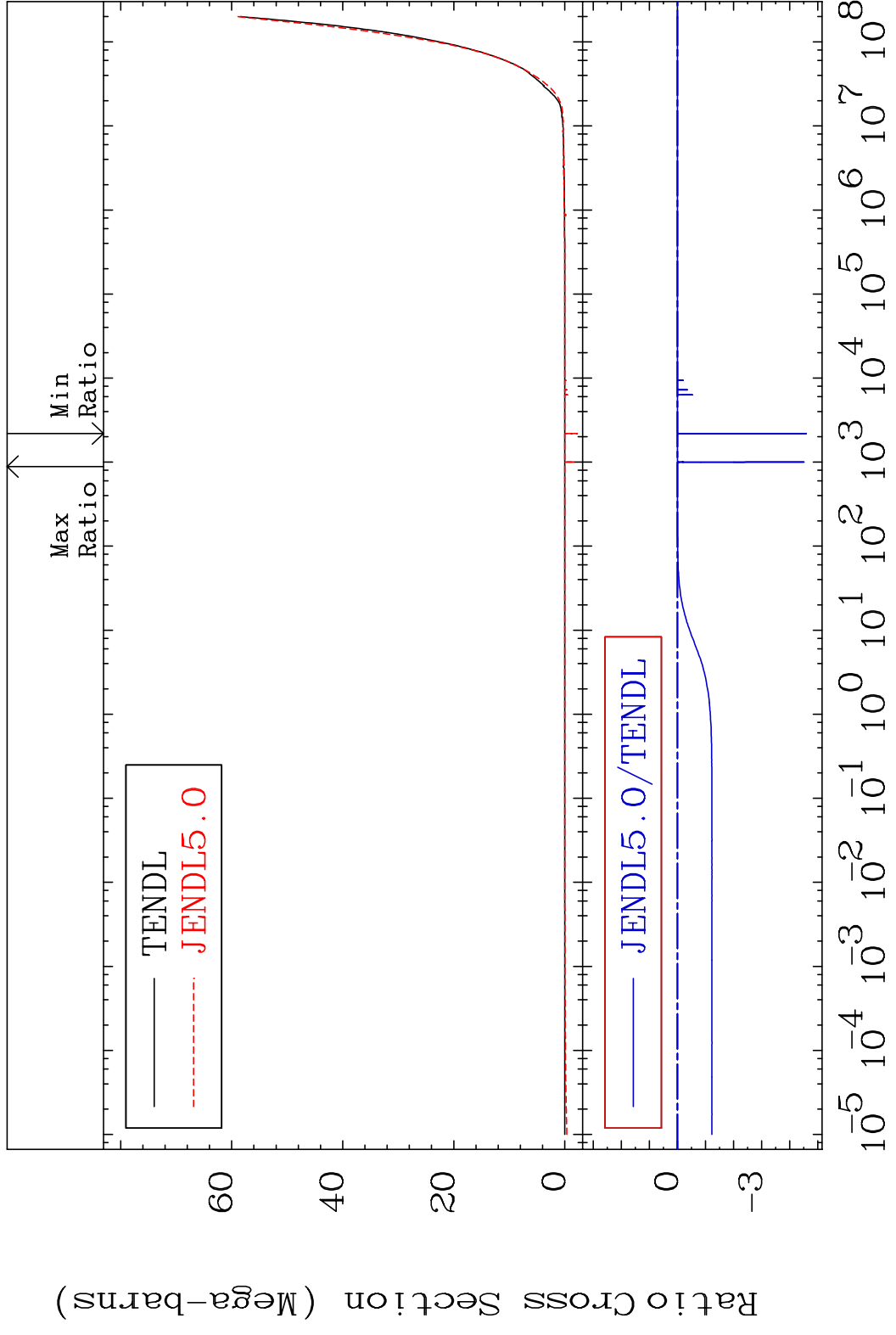
He-4 Production

54-Xe-134

Cross Section -100.0 To 9999. %



MAT 5455 Kerma total (eV-barns) 54-Xe-134
Cross Section -9999. To 928.6 %

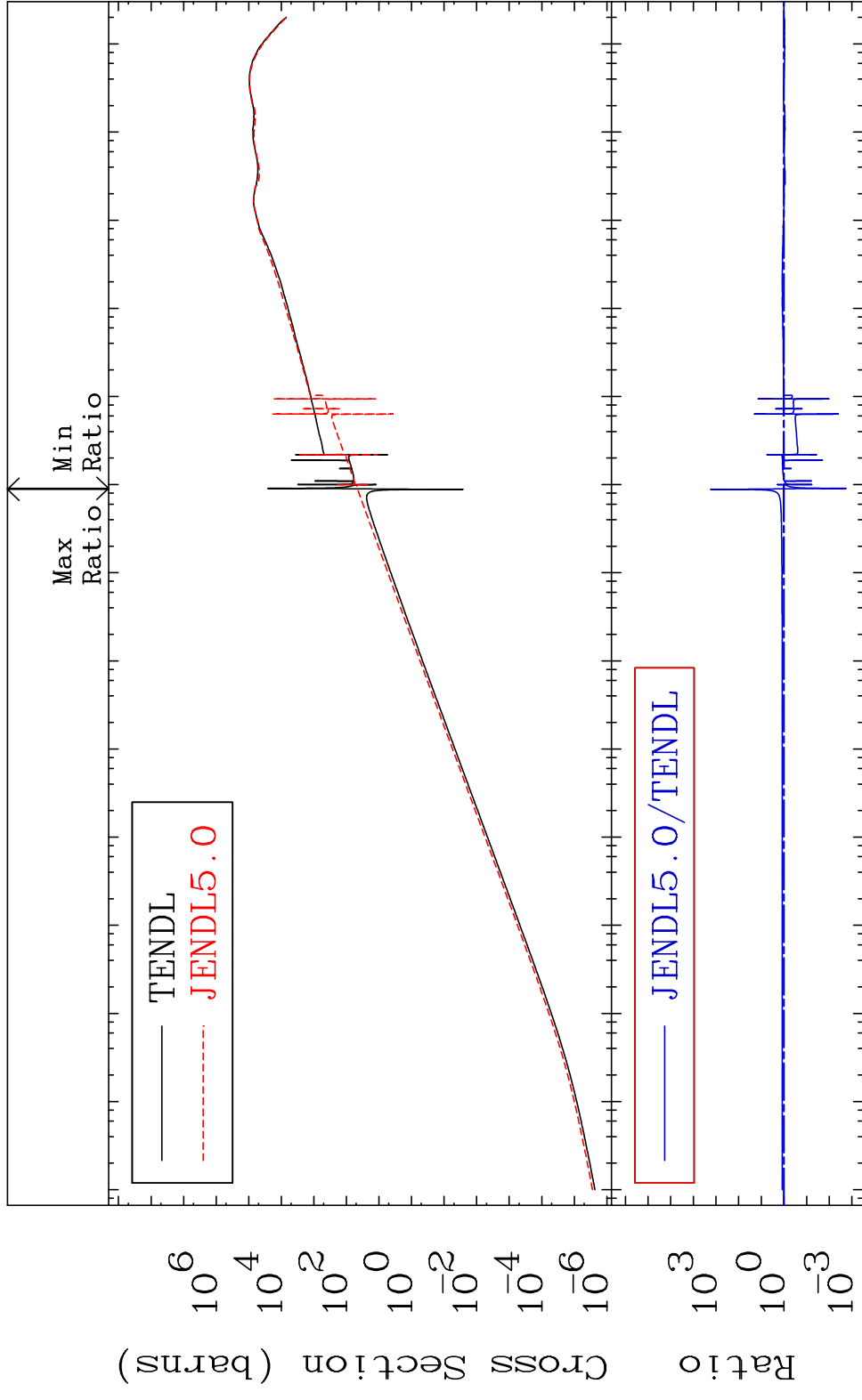


32 Incident Energy (eV) 54-Xe-134

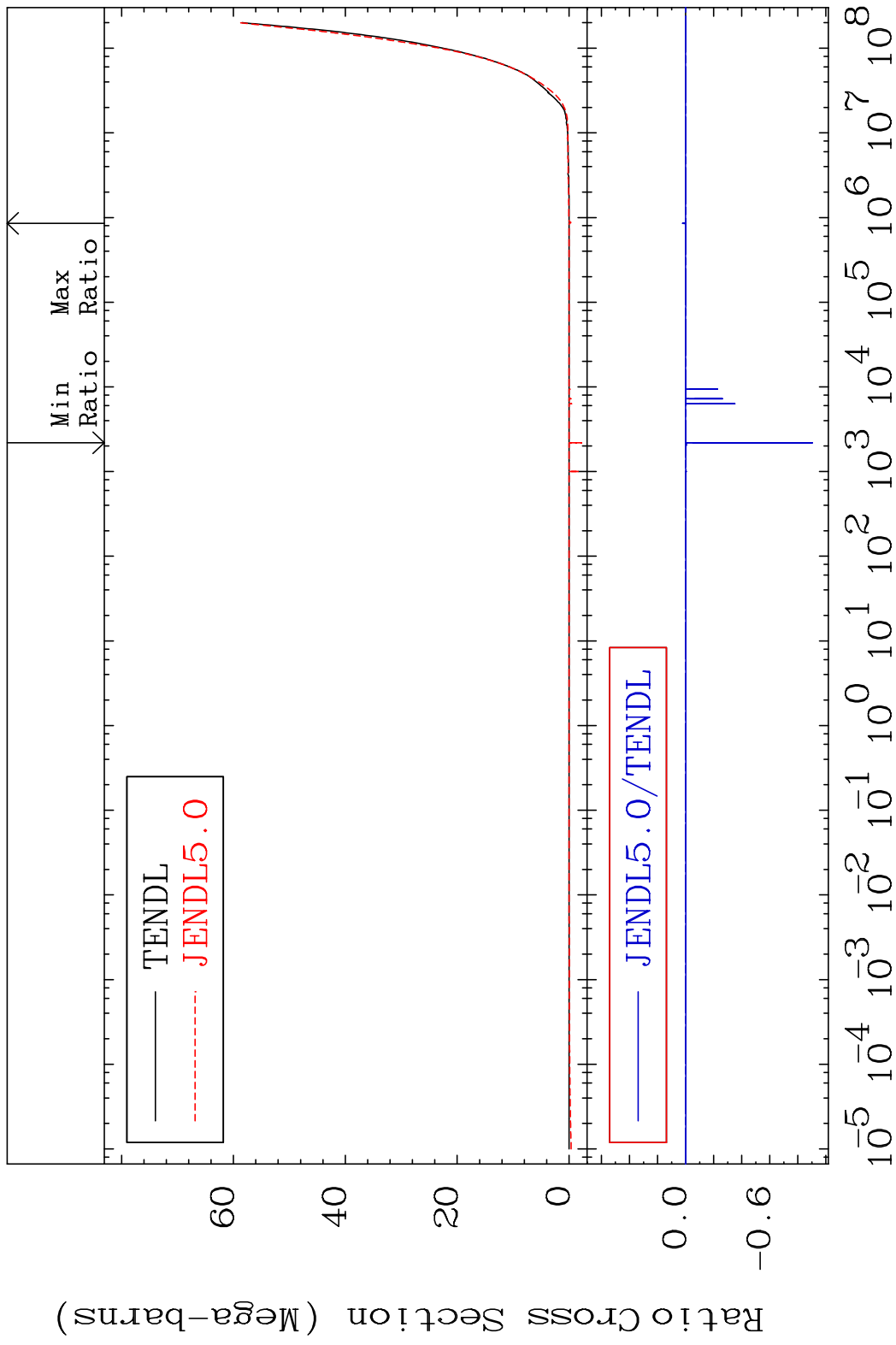
MAT 5455

Kerma elastic
Cross Section -99.82 To 9999. %

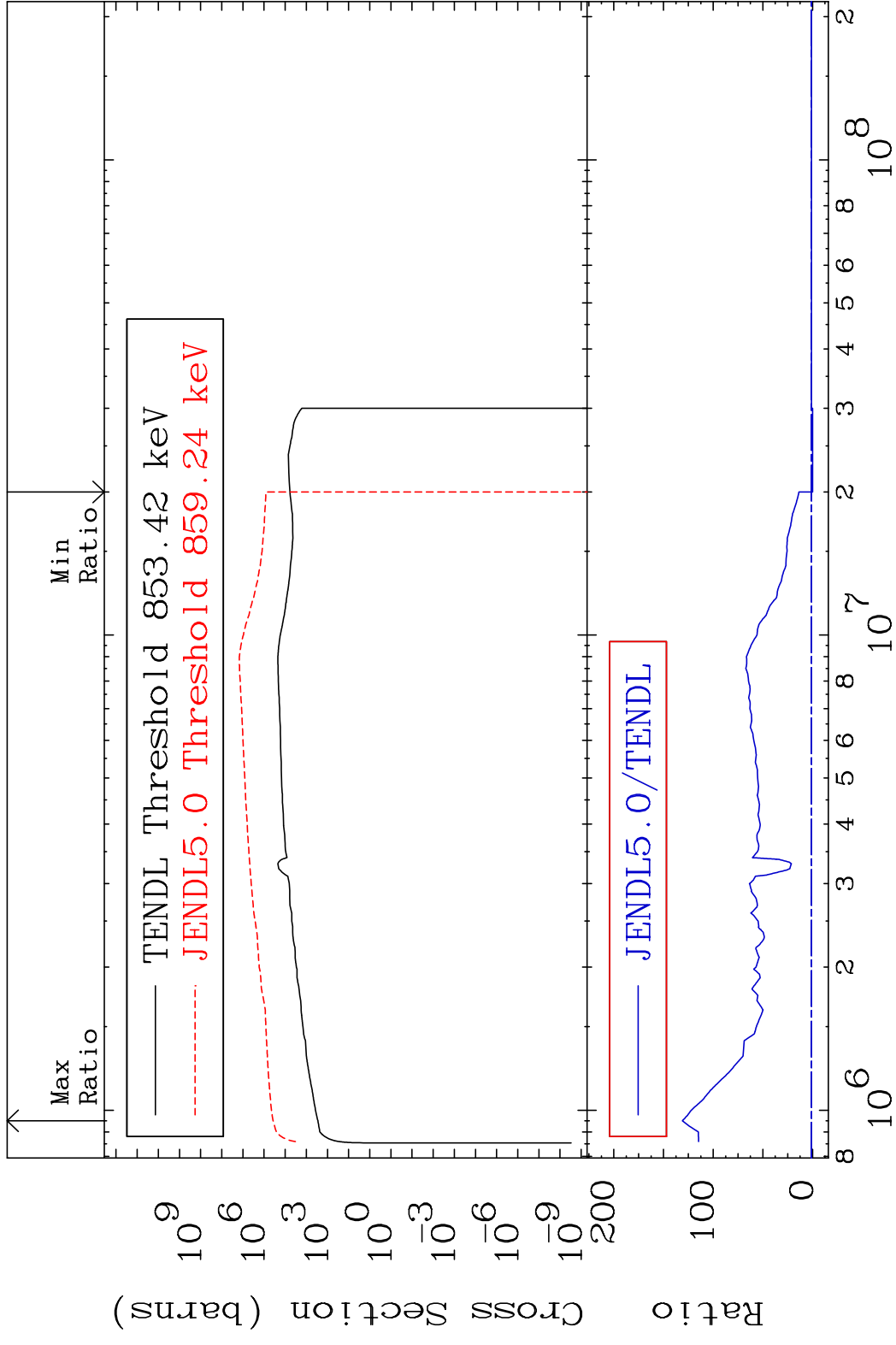
54-Xe-134



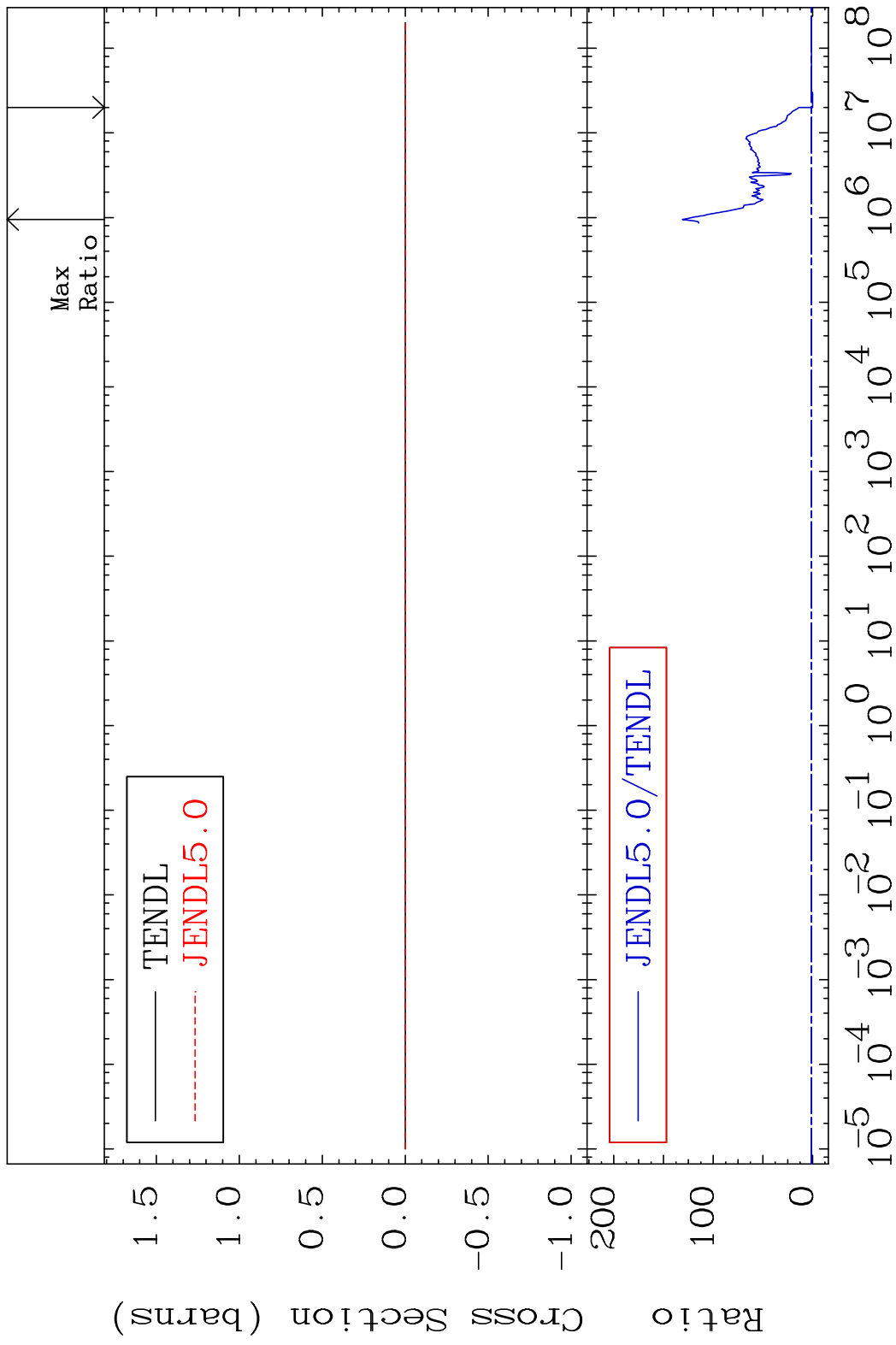
MAT 5455 Kerma non-elastic (all but mt2) 54-Xe-134
 Cross Section -9999. To 9999. %



MAT 5455 Kerma inelastic (mt51-91) 54-Xe-134
 Cross Section -100.0 To 9999. %

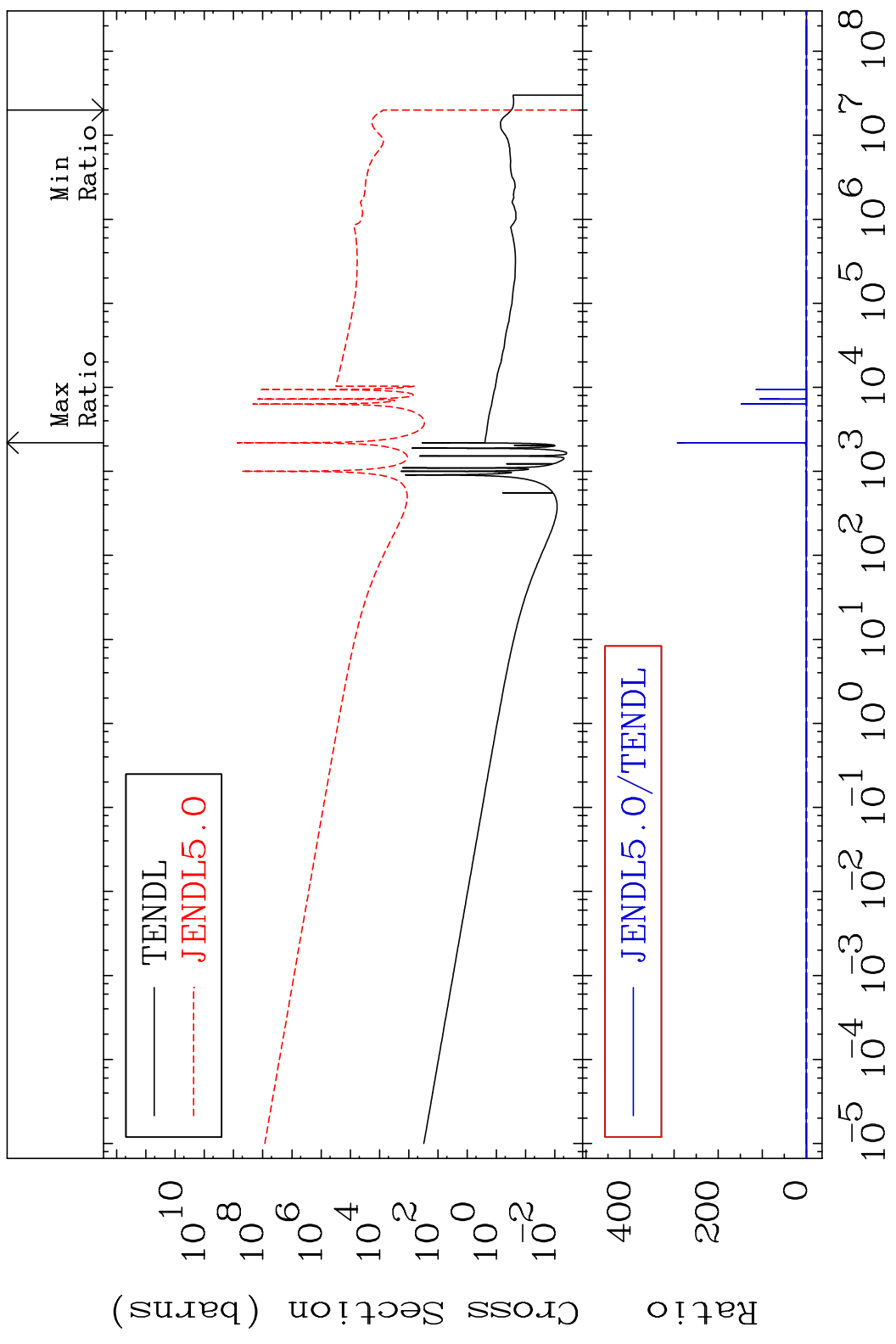


MAT 5455 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-134
 Cross Section -100.0 To 9999. %



MAT 5455

Kerma capture (mt102) 54-Xe-134
Cross Section -100.0 To 9999. %

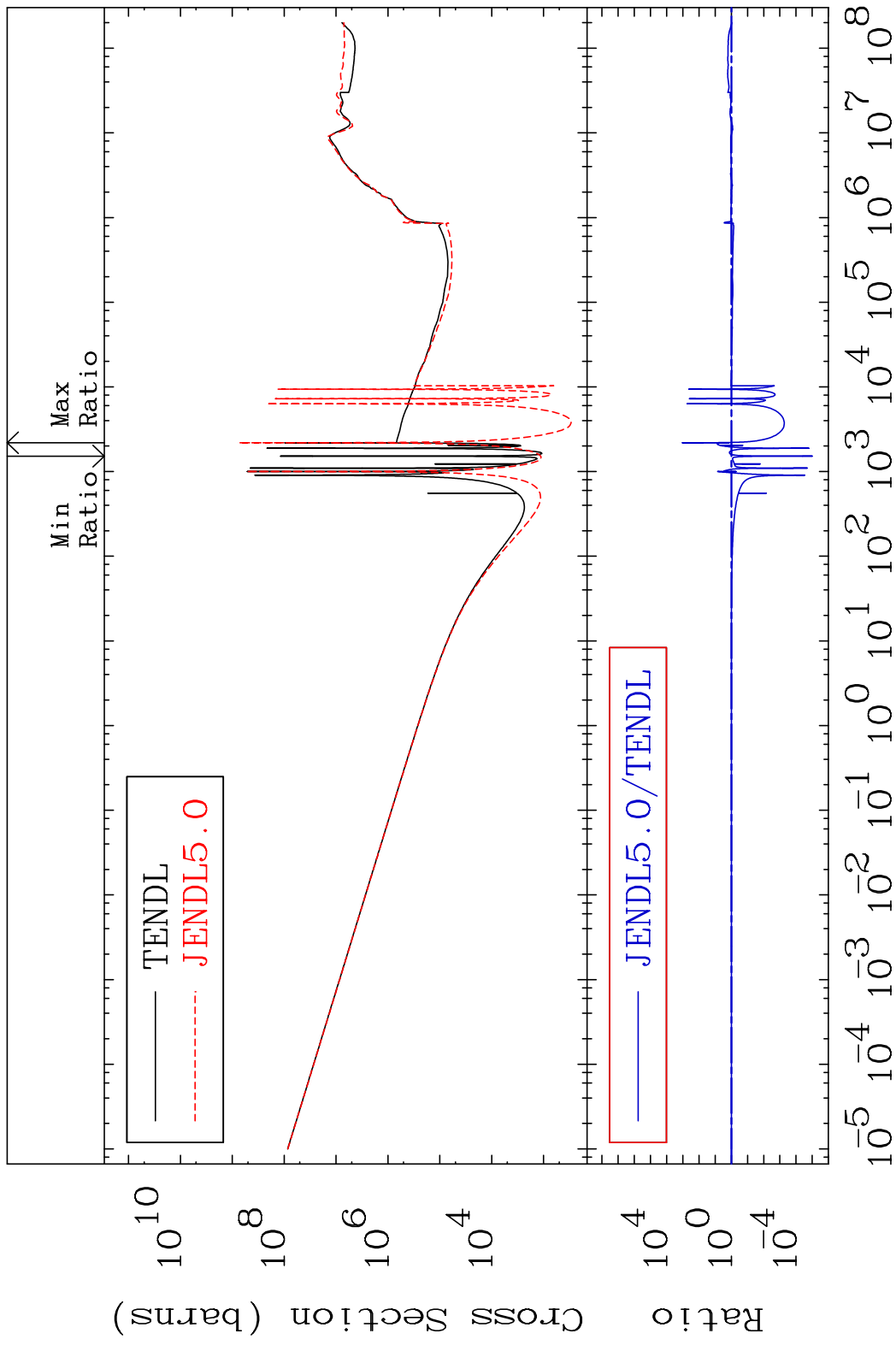


37

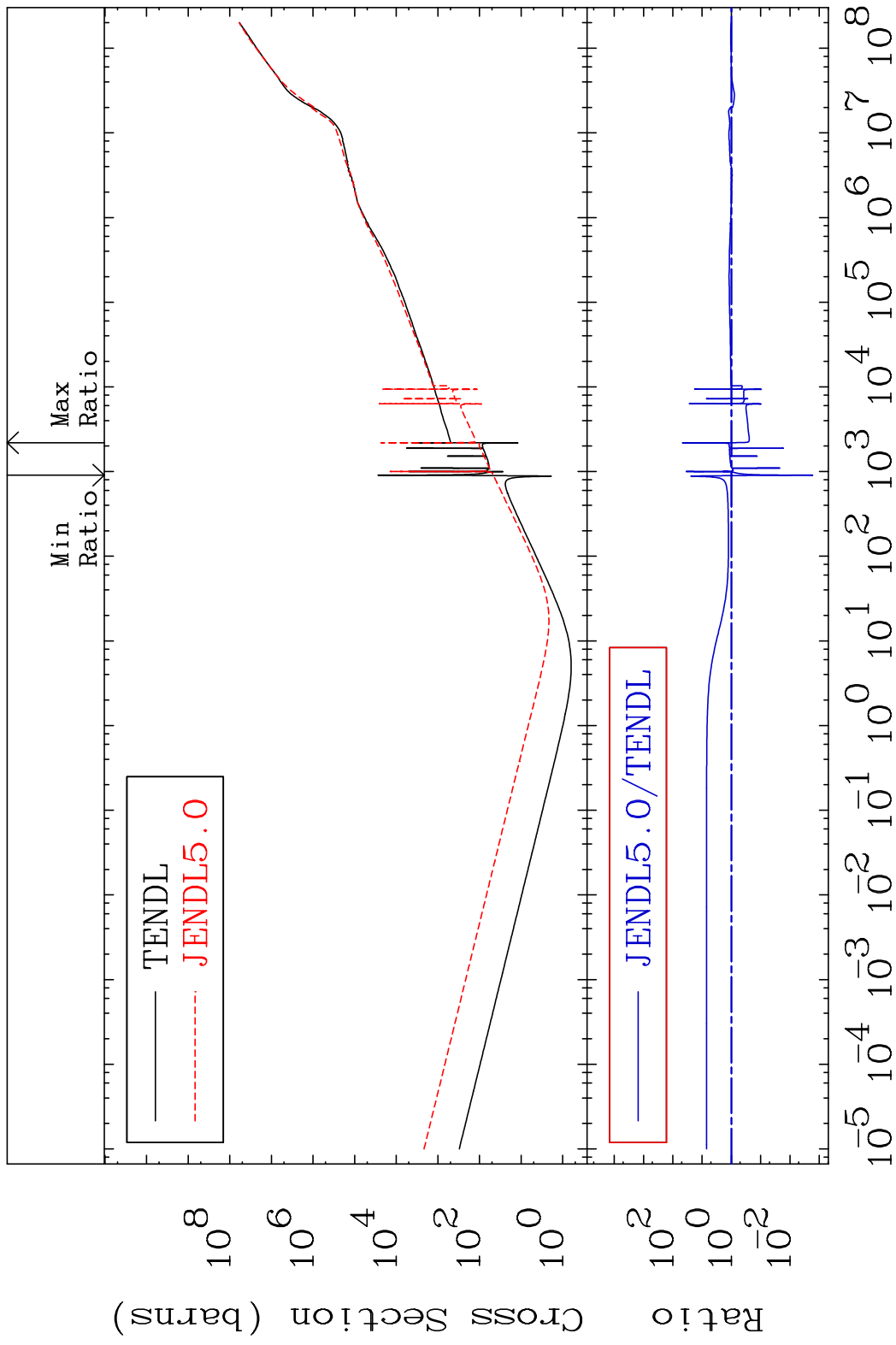
Incident Energy (eV)

54-Xe-134

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



MAT 5455 Total kinematic kerma (high limit) 54-Xe-134
 Cross Section -99.83 To 4619. %

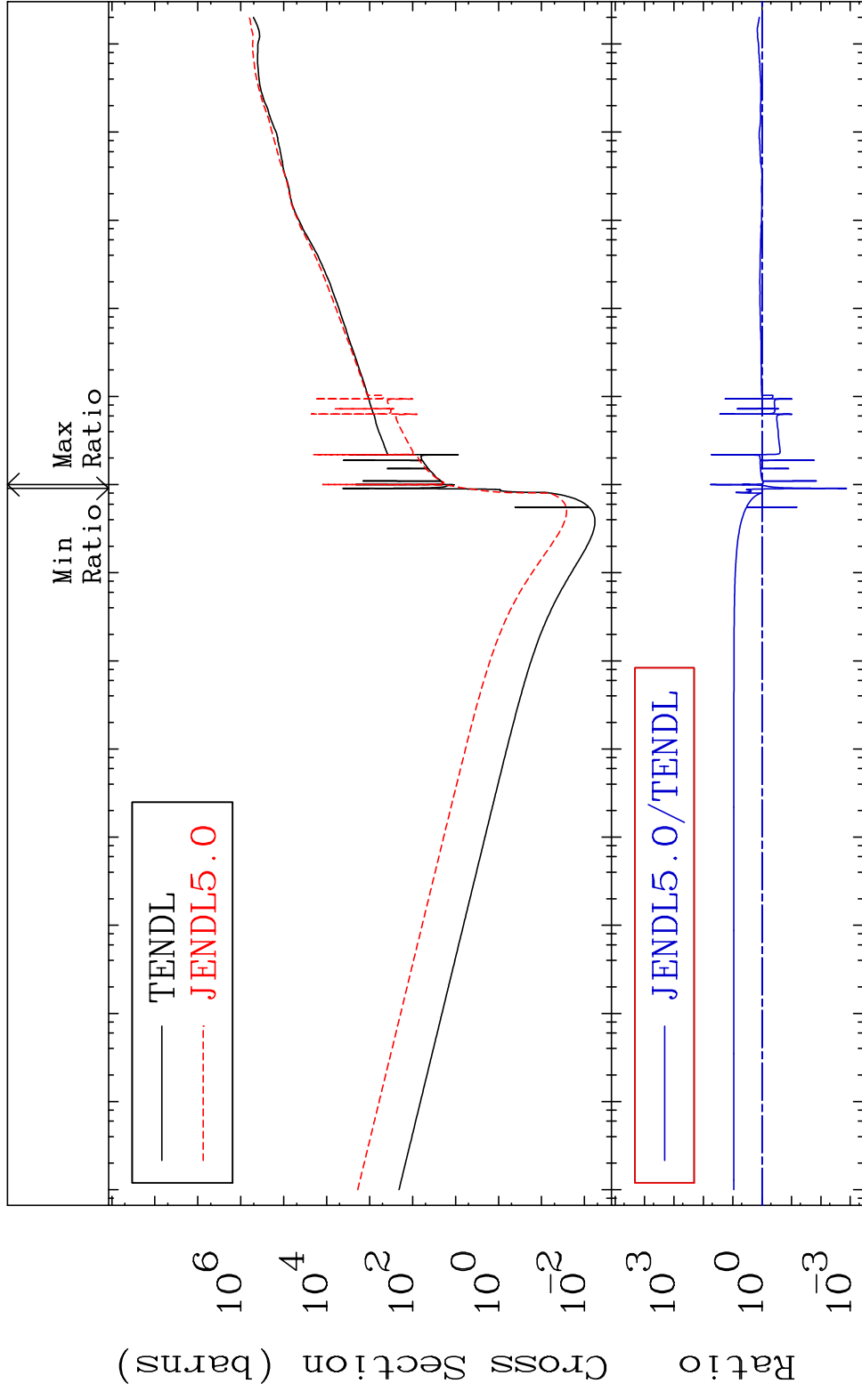


MAT 5455

Dpa total (eV-barns)

54-Xe-134

Cross Section -99.86 To 5511. %



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

40

Incident Energy (eV)

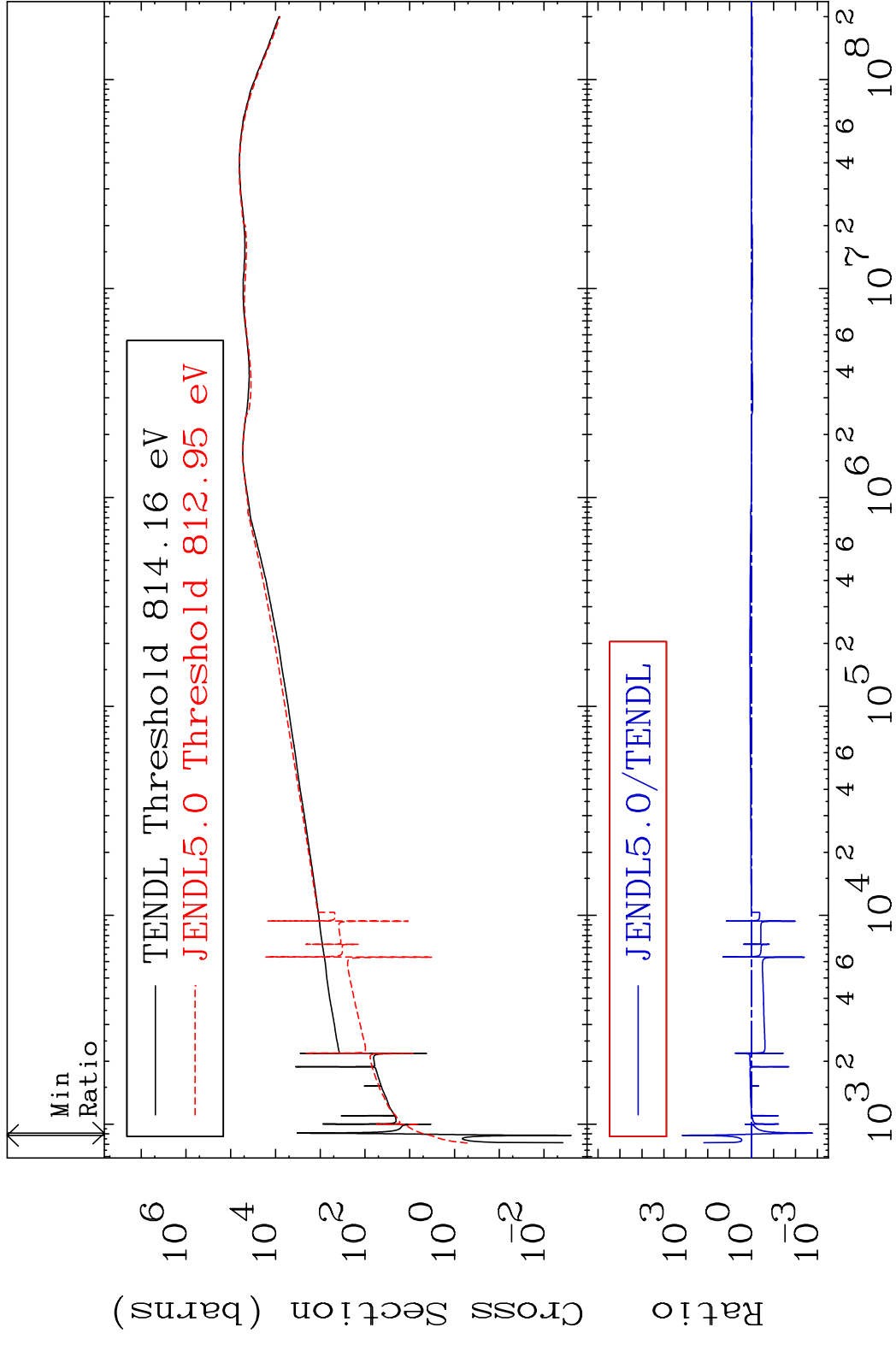
54-Xe-134

MAT 5455

Dpa elastic (mt2)

54-Xe-134

Cross Section -99.83 To 9999. %

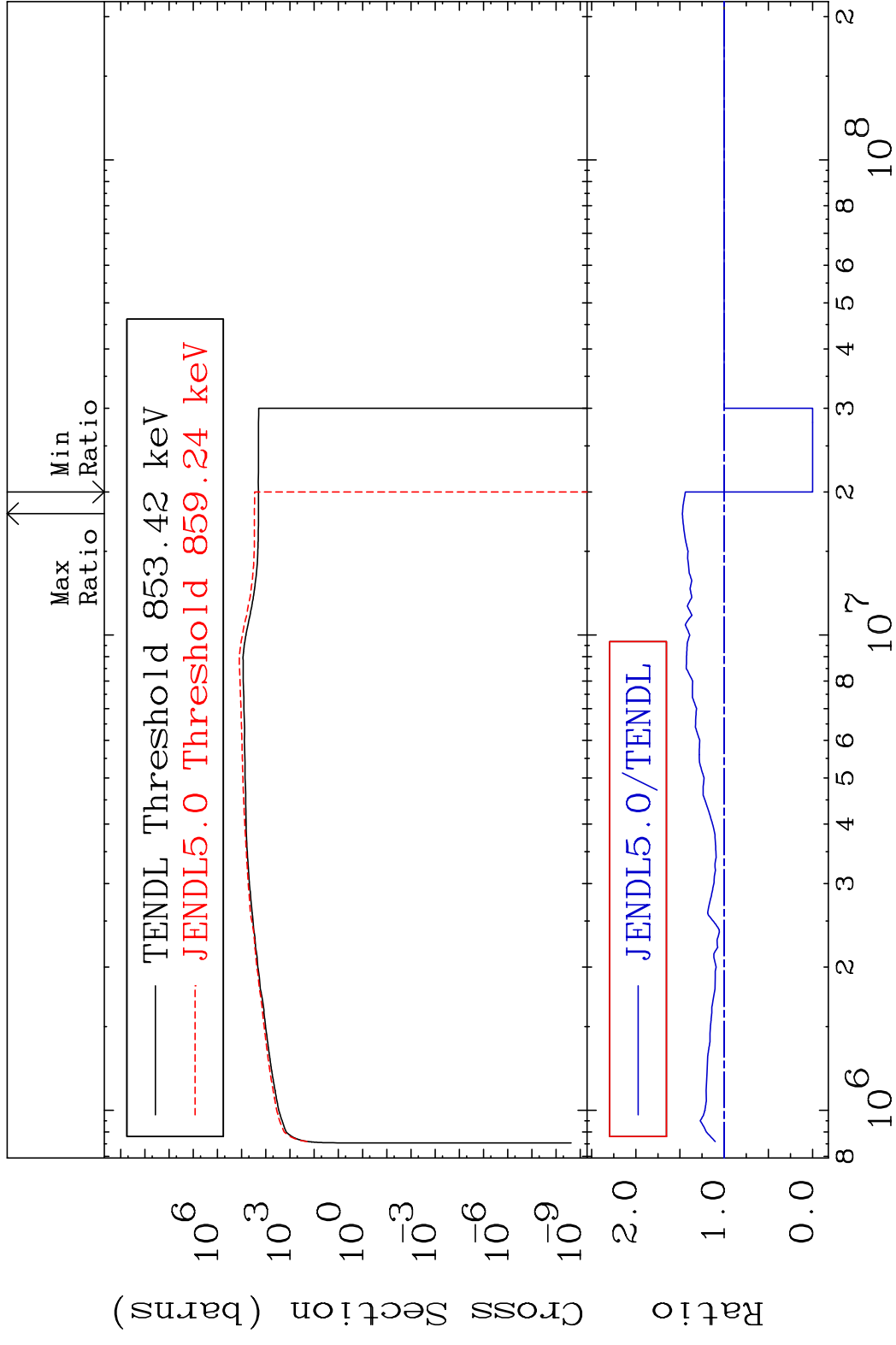


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Incident Energy (eV)

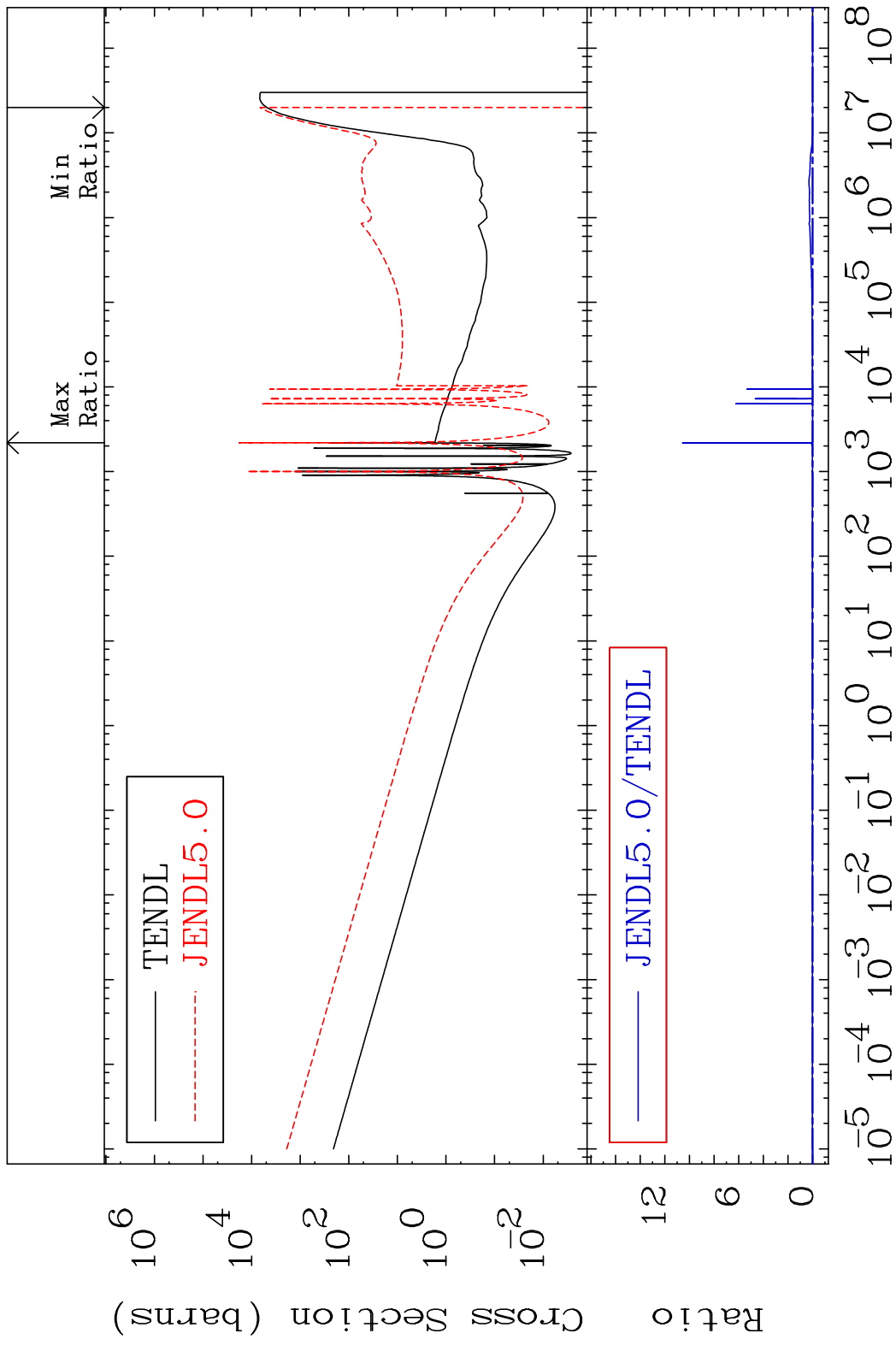
54-Xe-134

MAT 5455 Dpa inelastic (mt51-91) 54-Xe-134
 Cross Section -100.0 To 47.32 %

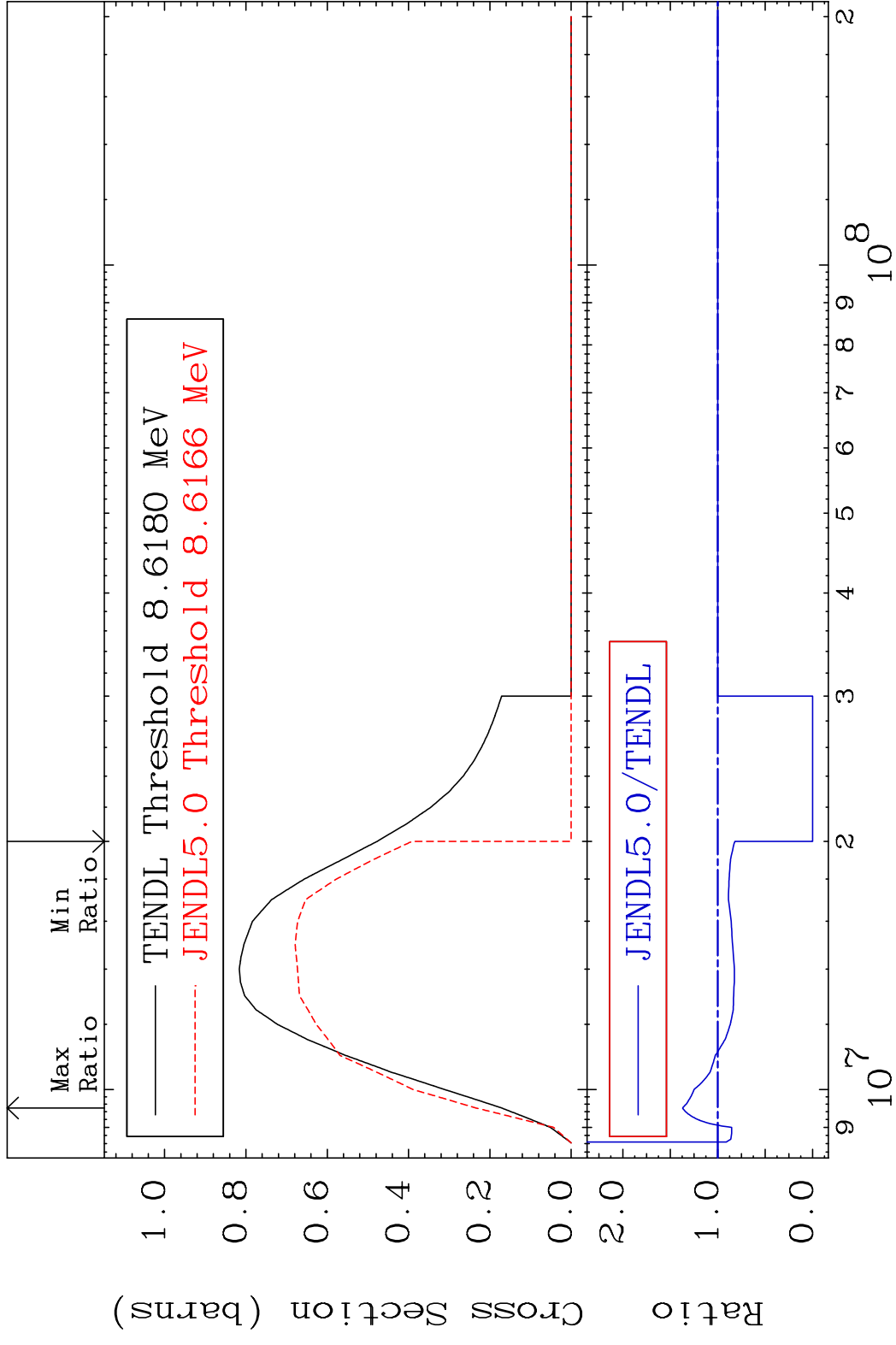


42 Incident Energy (eV) 54-Xe-134

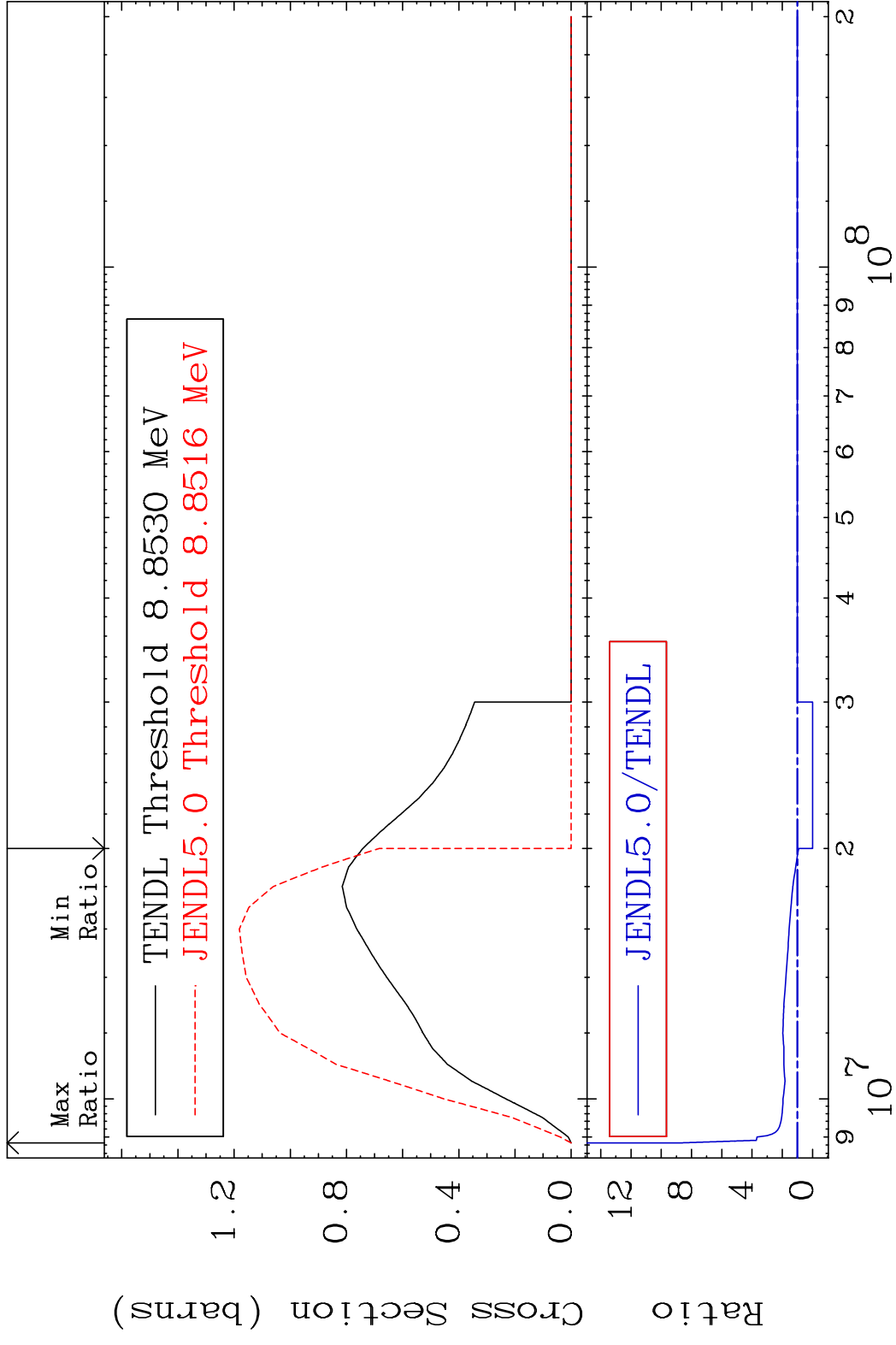
MAT 5455 Dpa disappearance (mt102 -120) 54-Xe-134
 Cross Section -100.0 To 9999. %



MAT 5455 (n,2n):54-Xe-133g 54-Xe-134
 Radionuclide Production Cross Section 180.01 dth 37.20 %



MAT 5455 (n,2n):54-Xe-133m1 54-Xe-134
 Radionuclide Production Cross Section 180.0 dth 760.4 %

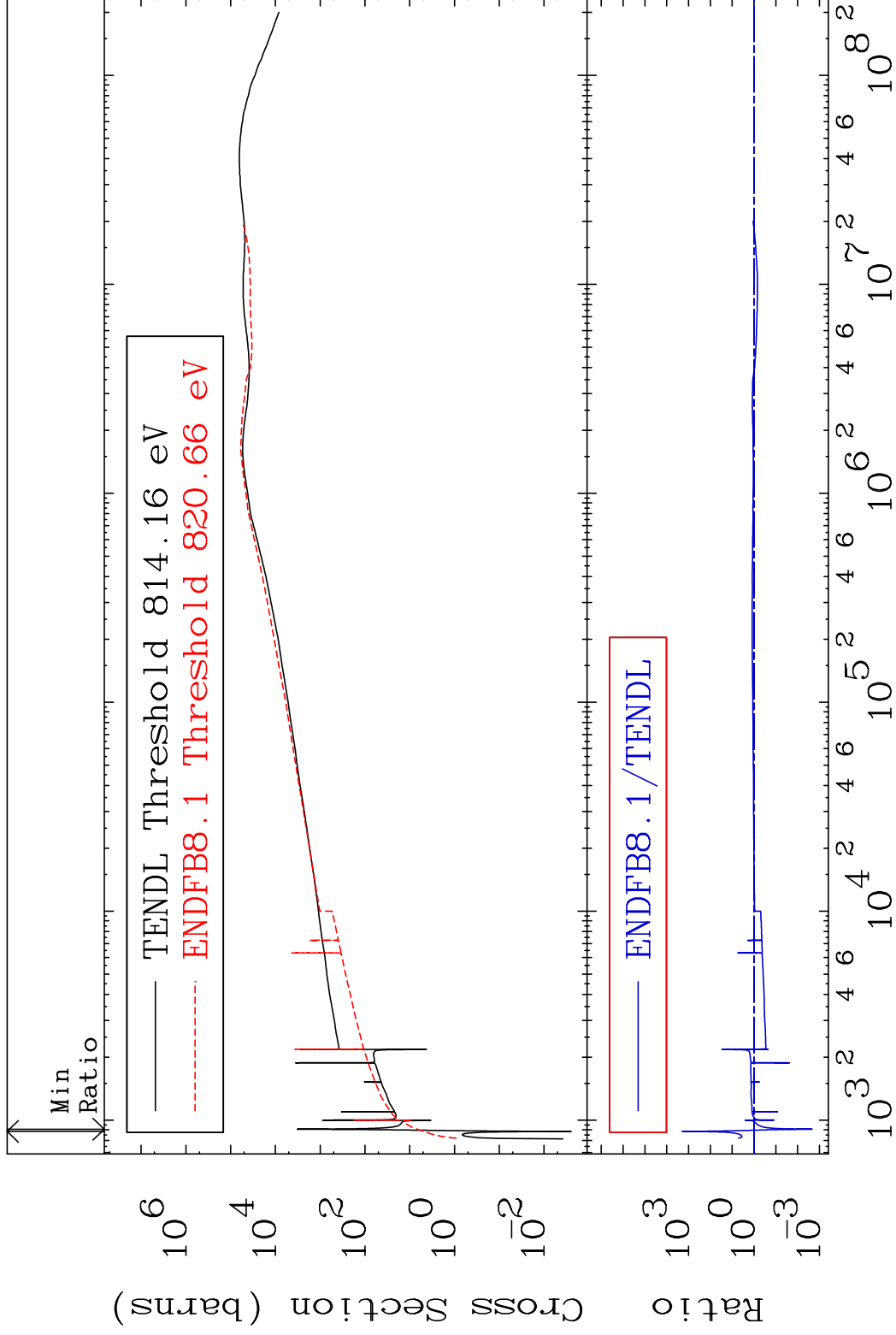


MAT 5455

Dpa elastic (mt2)

54-Xe-134

Cross Section -99.79 To 9999. %

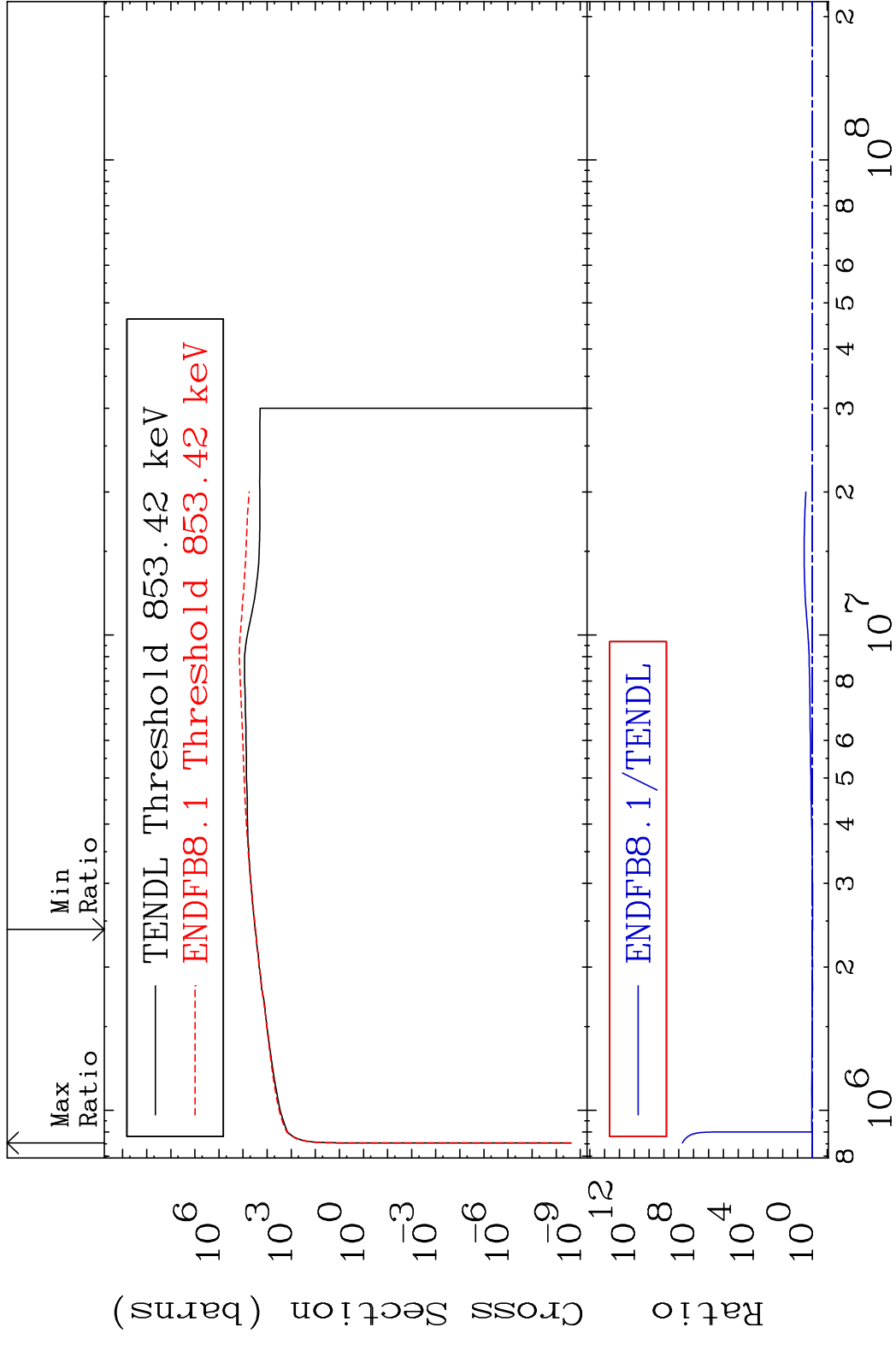


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Incident Energy (eV)

54-Xe-134

MAT 5455 Dpa inelastic (mt51-91) 54-Xe-134
 Cross Section -2.420 To 9999. %



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

