

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

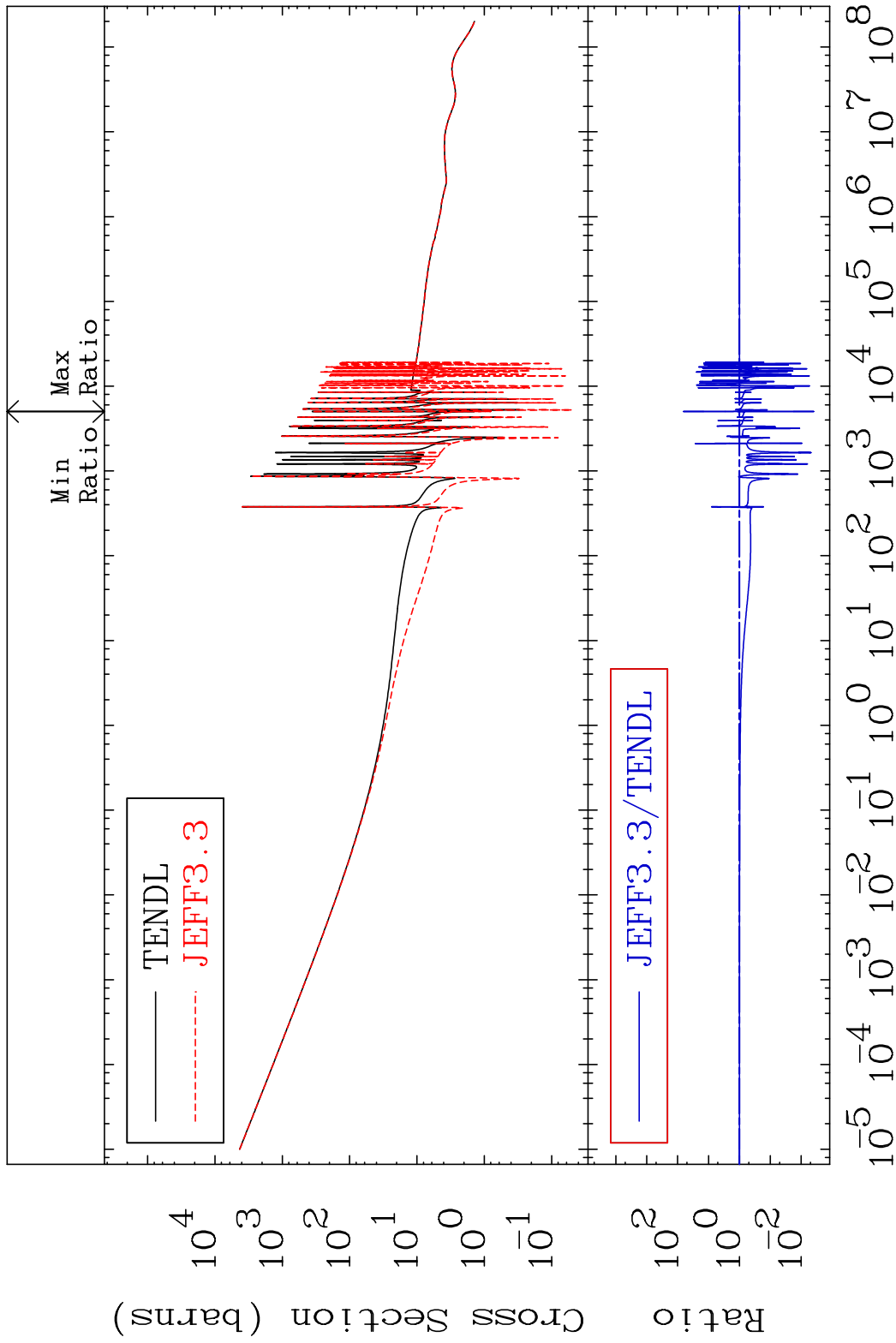
Press Mouse Button to Start

MAT 3431

Total

³⁴Se-76

Cross Section -99.61 To 6389. %



1

Incident Energy (eV)

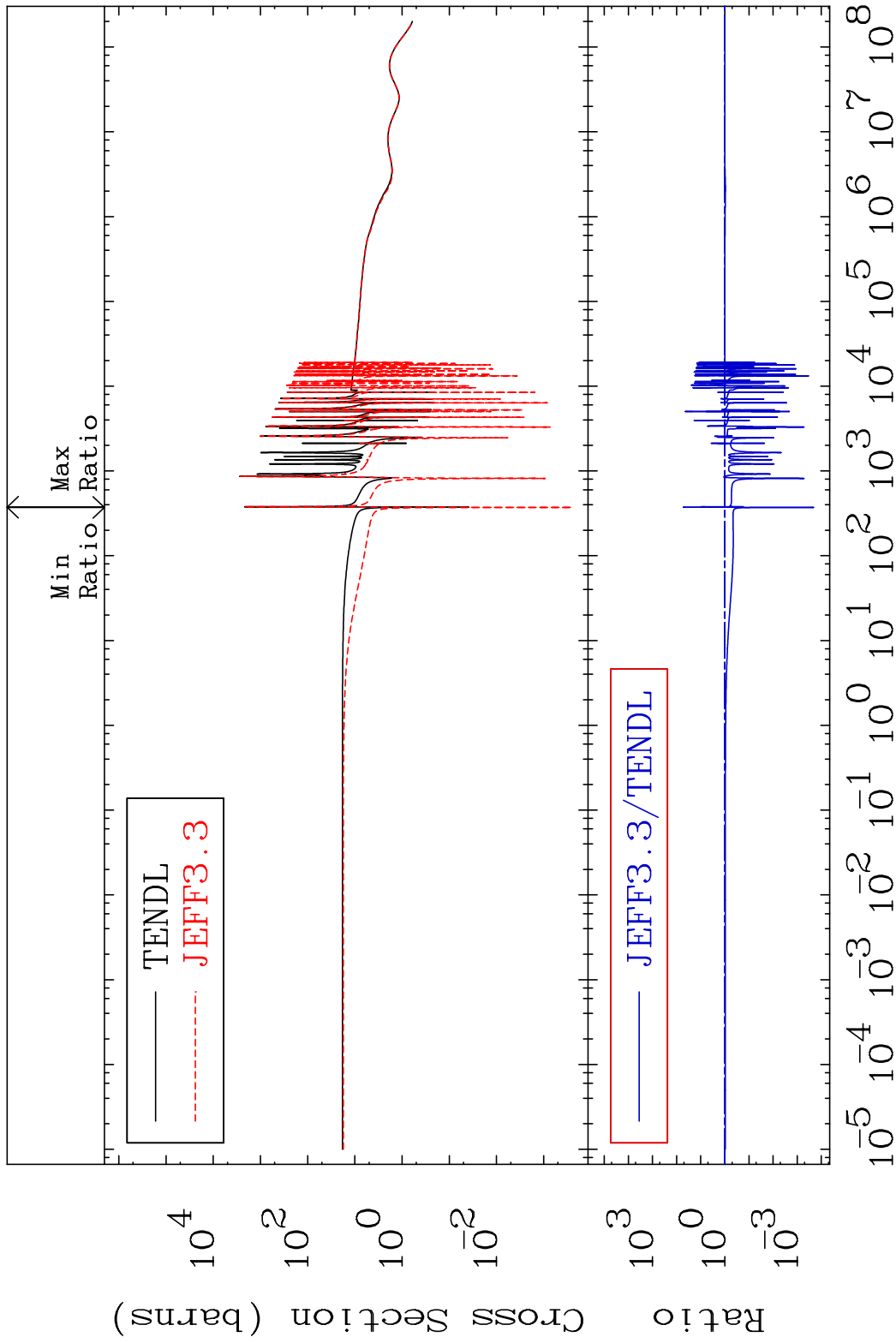
³⁴Se-76

MAT 3431

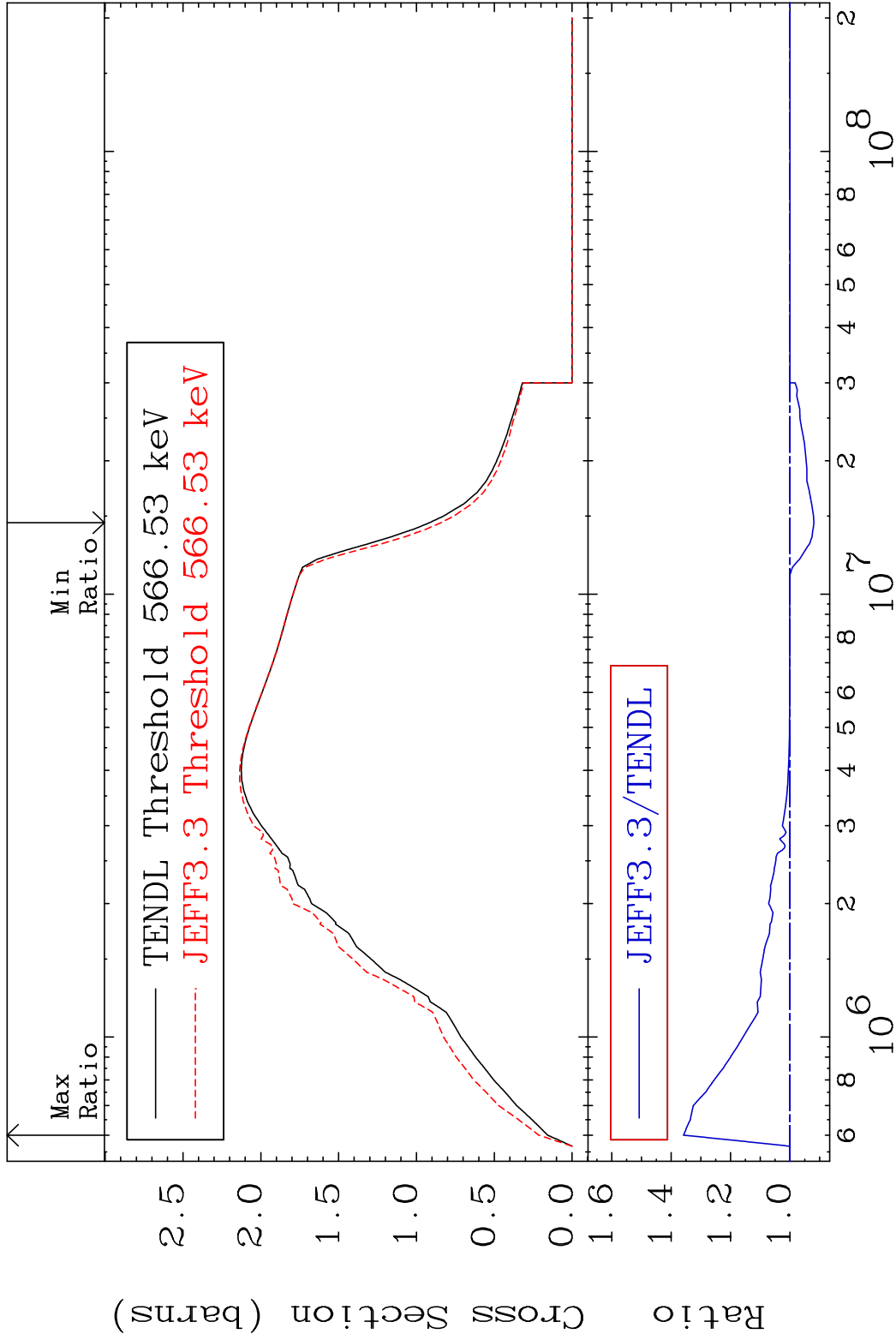
Elastic

³⁴Se-76

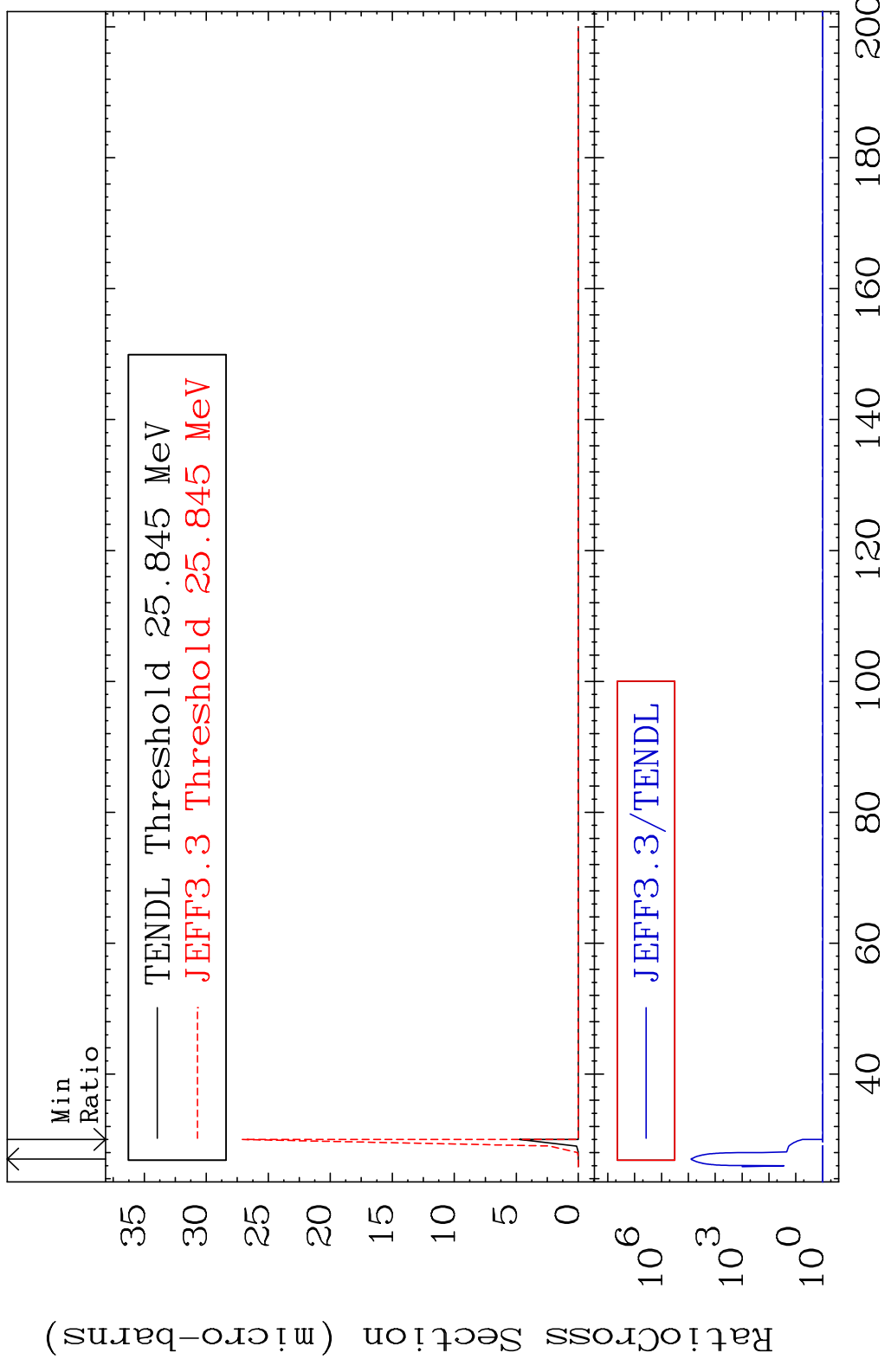
Cross Section -99.98 To 5099. %



MAT 3431 Inelastic ³⁴Se-76
 Cross Section -8.092 To 35.83 %



MAT 3431 (n,2n) d 34-Se-76
 Cross Section 0.000 To 9999. %

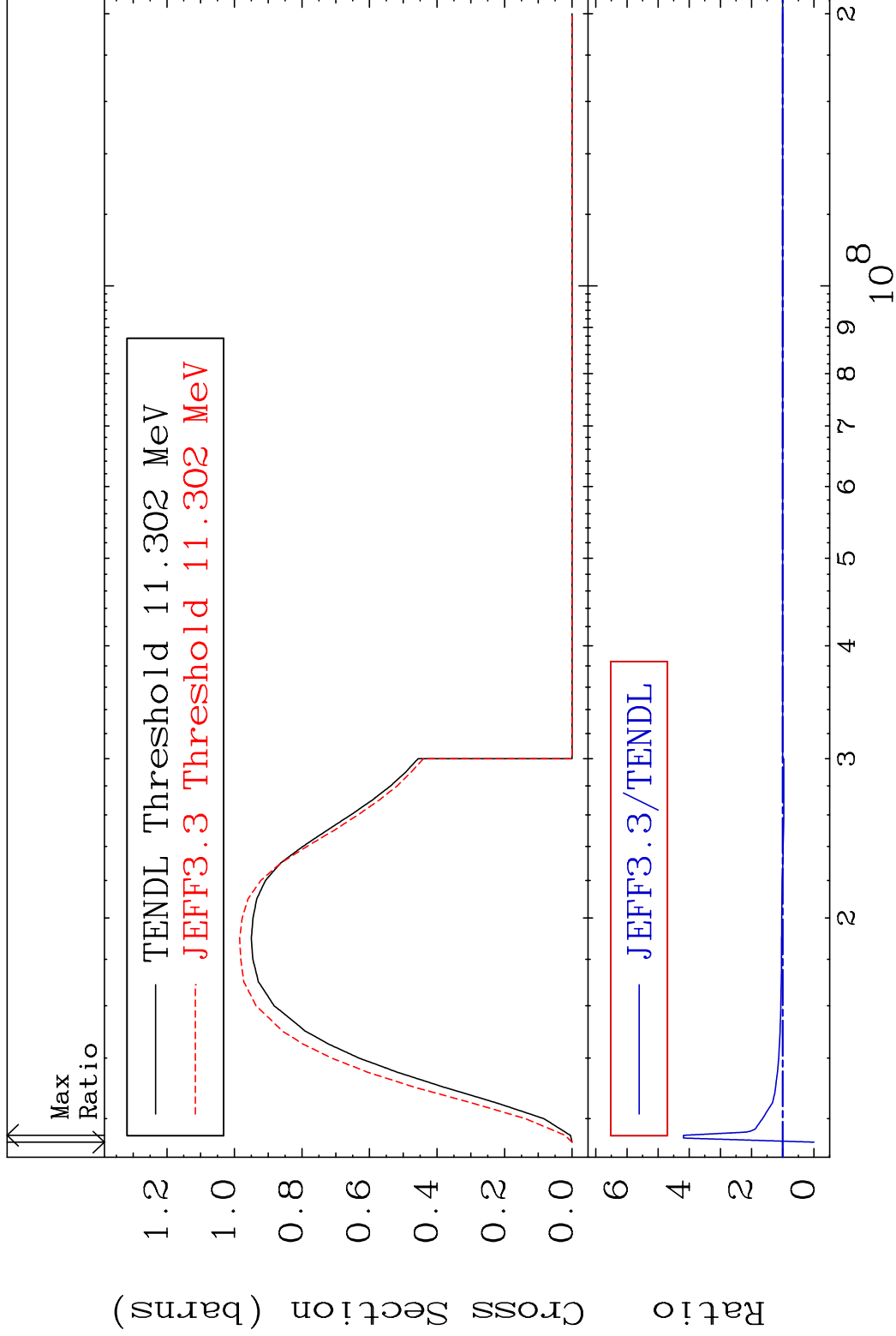


MAT 3431

(n,2n)

³⁴Se-76

Cross Section -100.0 To 318.7 %

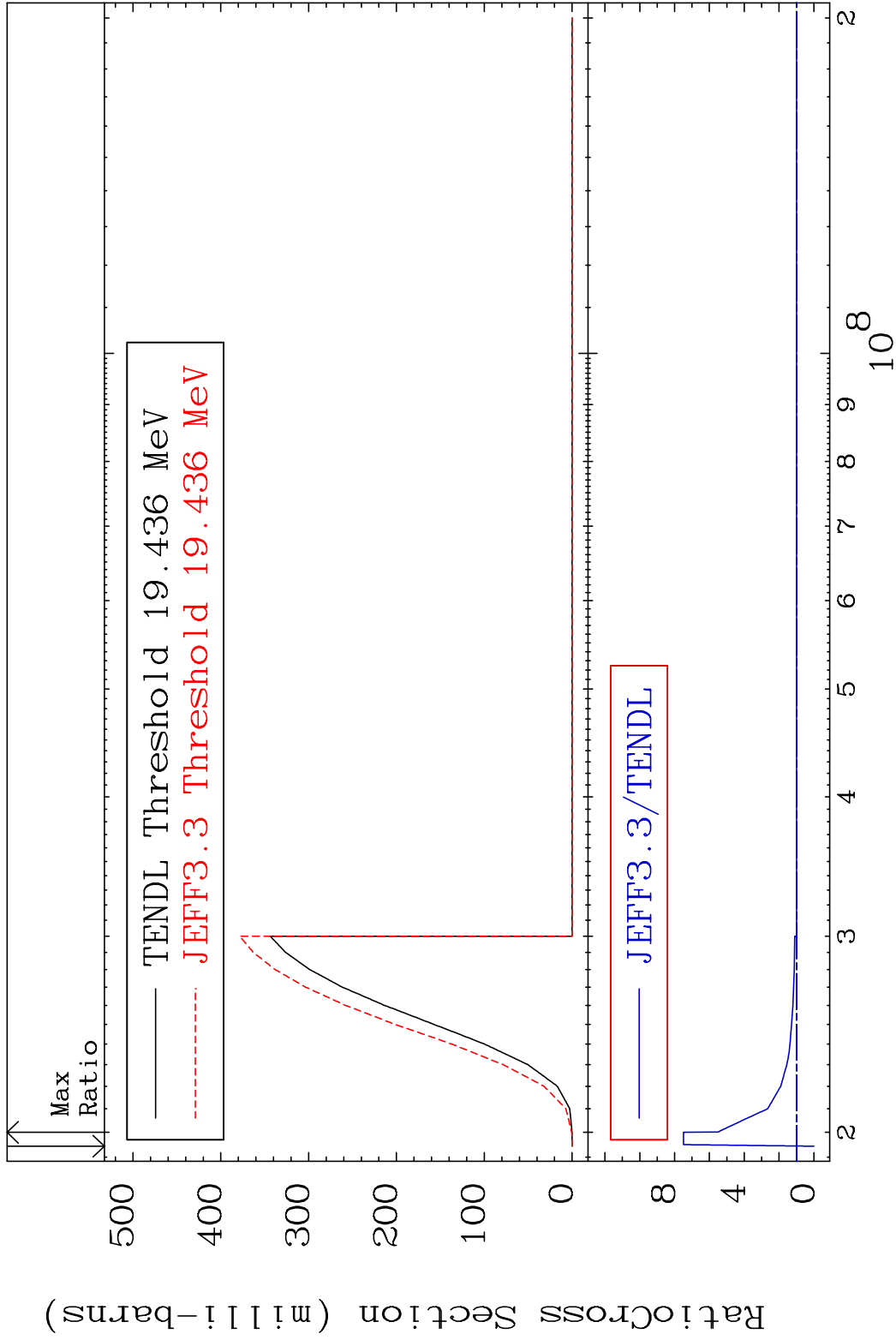


5

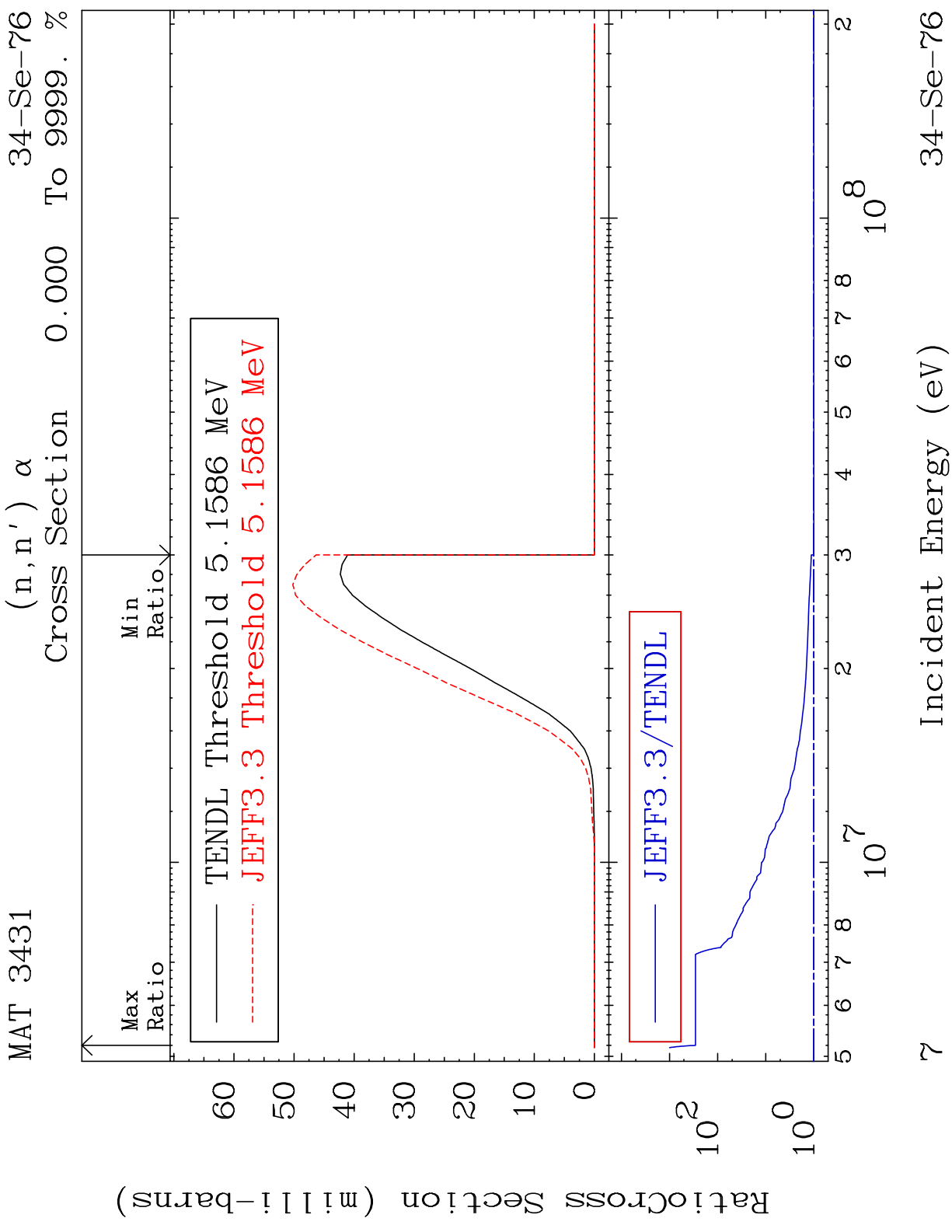
Incident Energy (eV)

³⁴Se-76

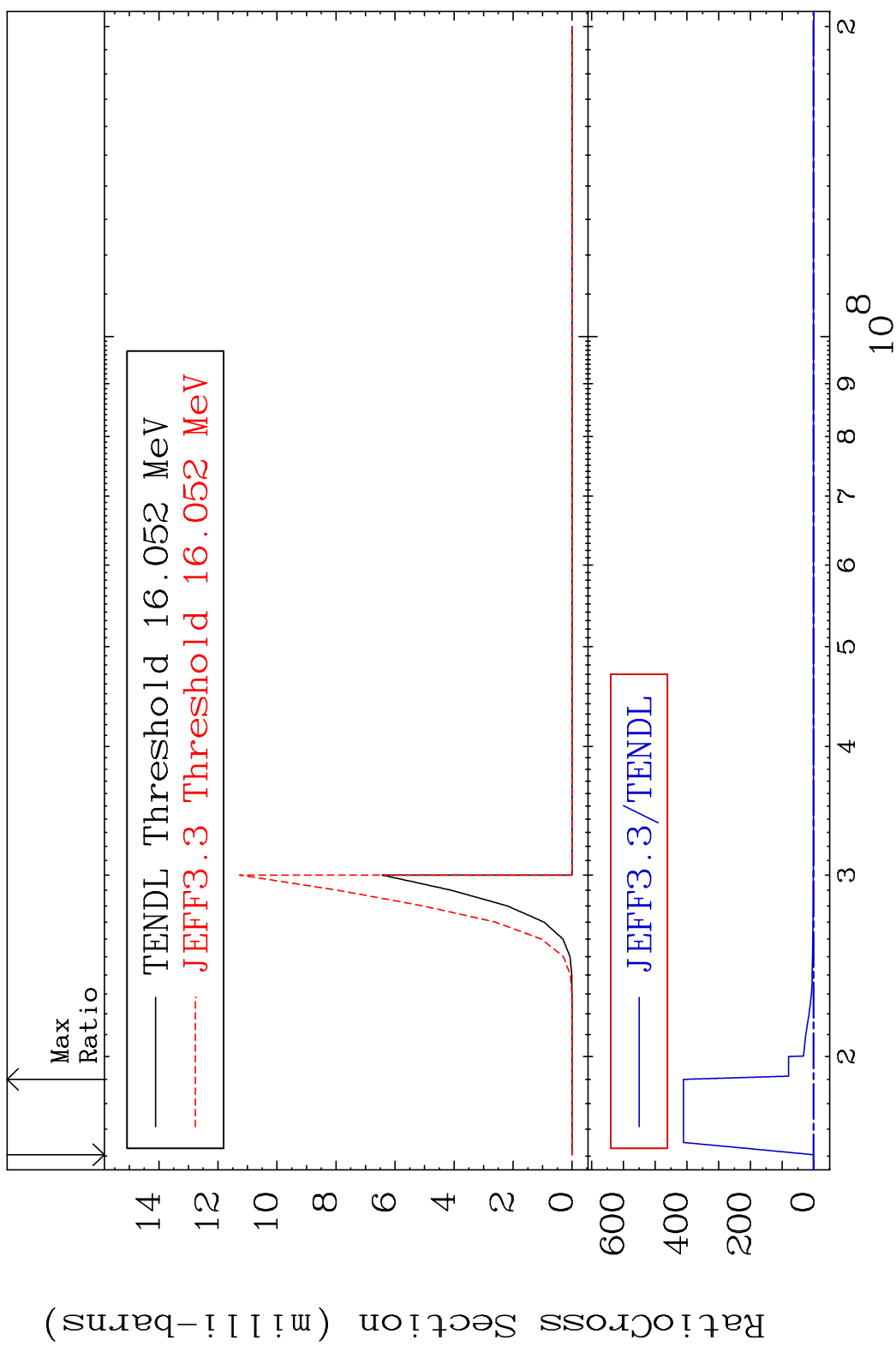
MAT 3431 (n,3n) ³⁴Se-76
 Cross Section -100.0 To 649.0 %



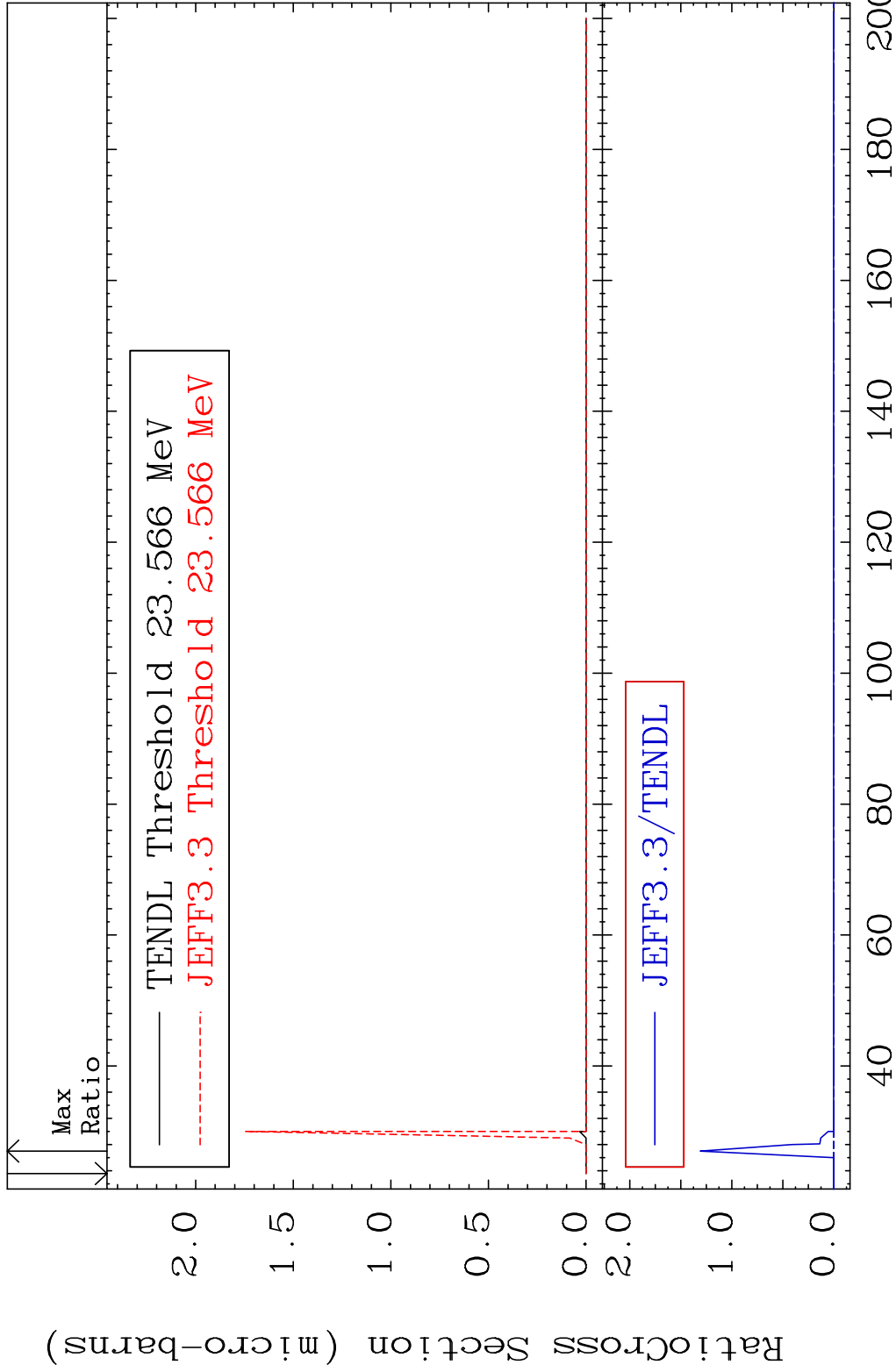
6 Incident Energy (eV) ³⁴Se-76



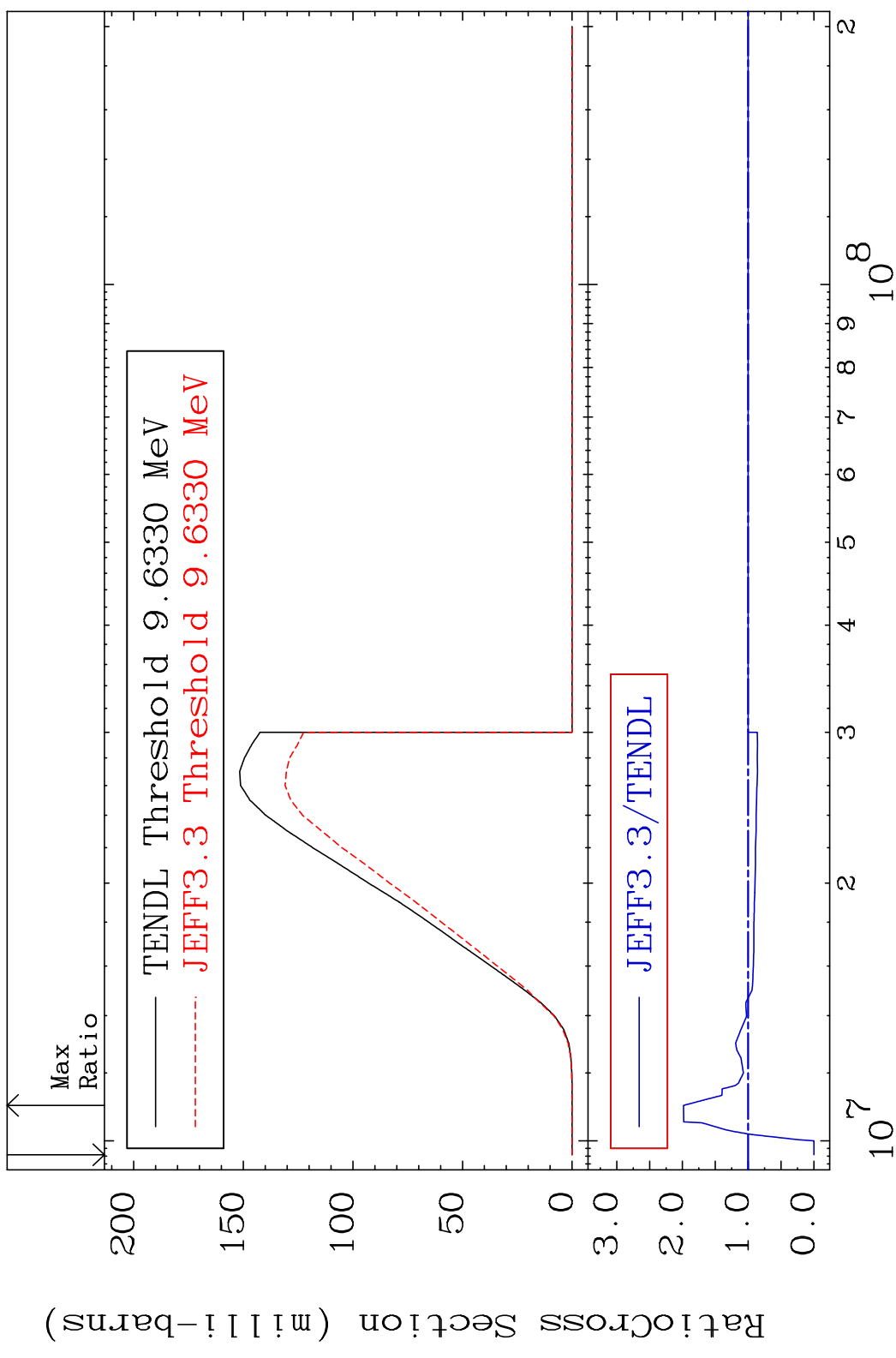
MAT 3431 (n,2n) α $^{34}\text{Se-76}$
 Cross Section -100.0 To 9999. %



MAT 3431 (n, 3n) α ³⁴Se-76
 Cross Section -100.0 To 9999. %



MAT 3431 (n, n') p 34-Se-76
 Cross Section -100.0 To 98.48 %



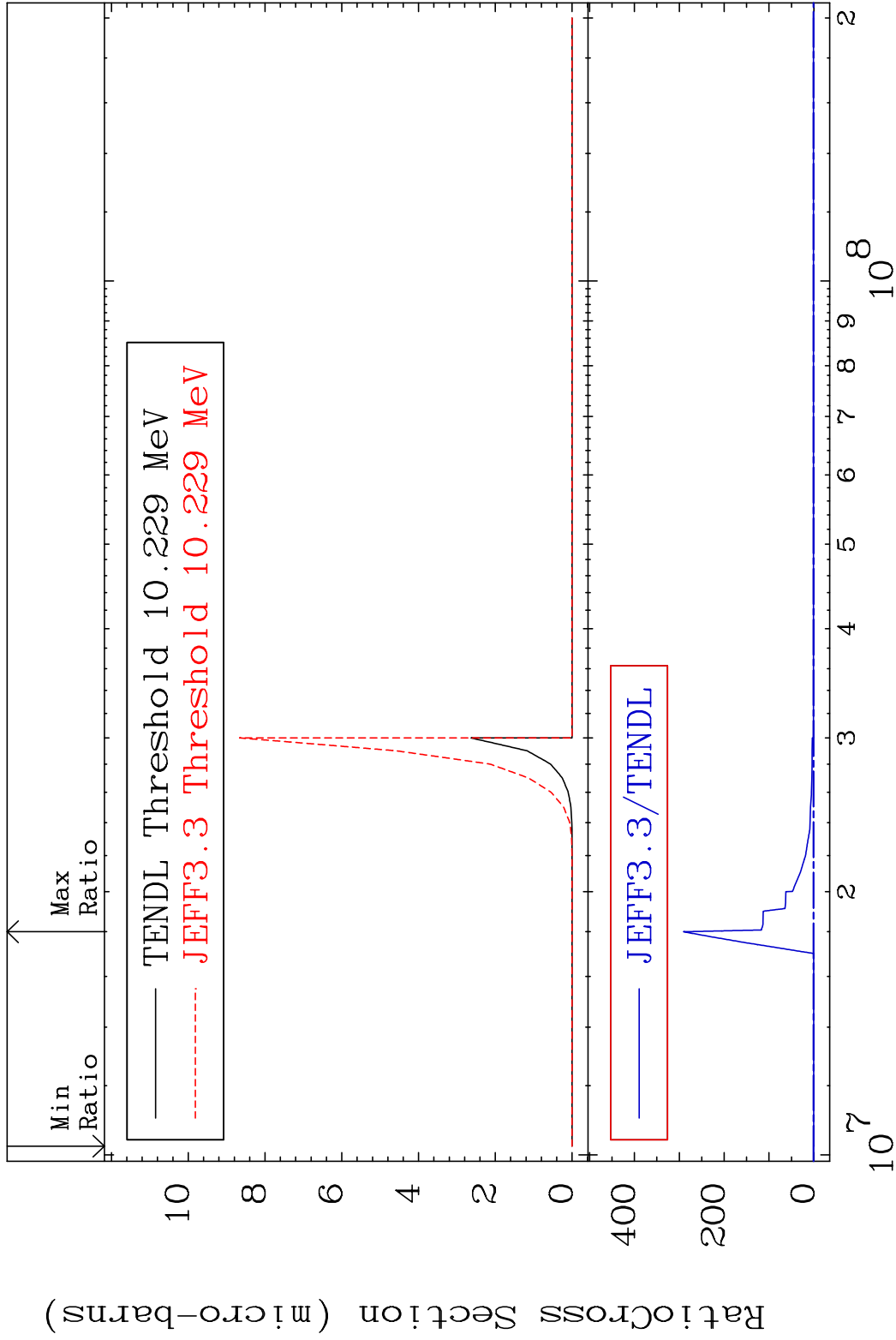
10 Incident Energy (eV) 34-Se-76

MAT 3431

(n, n') 2 α

³⁴Se-76

Cross Section -100.0 To 9999. %



11

Incident Energy (eV)

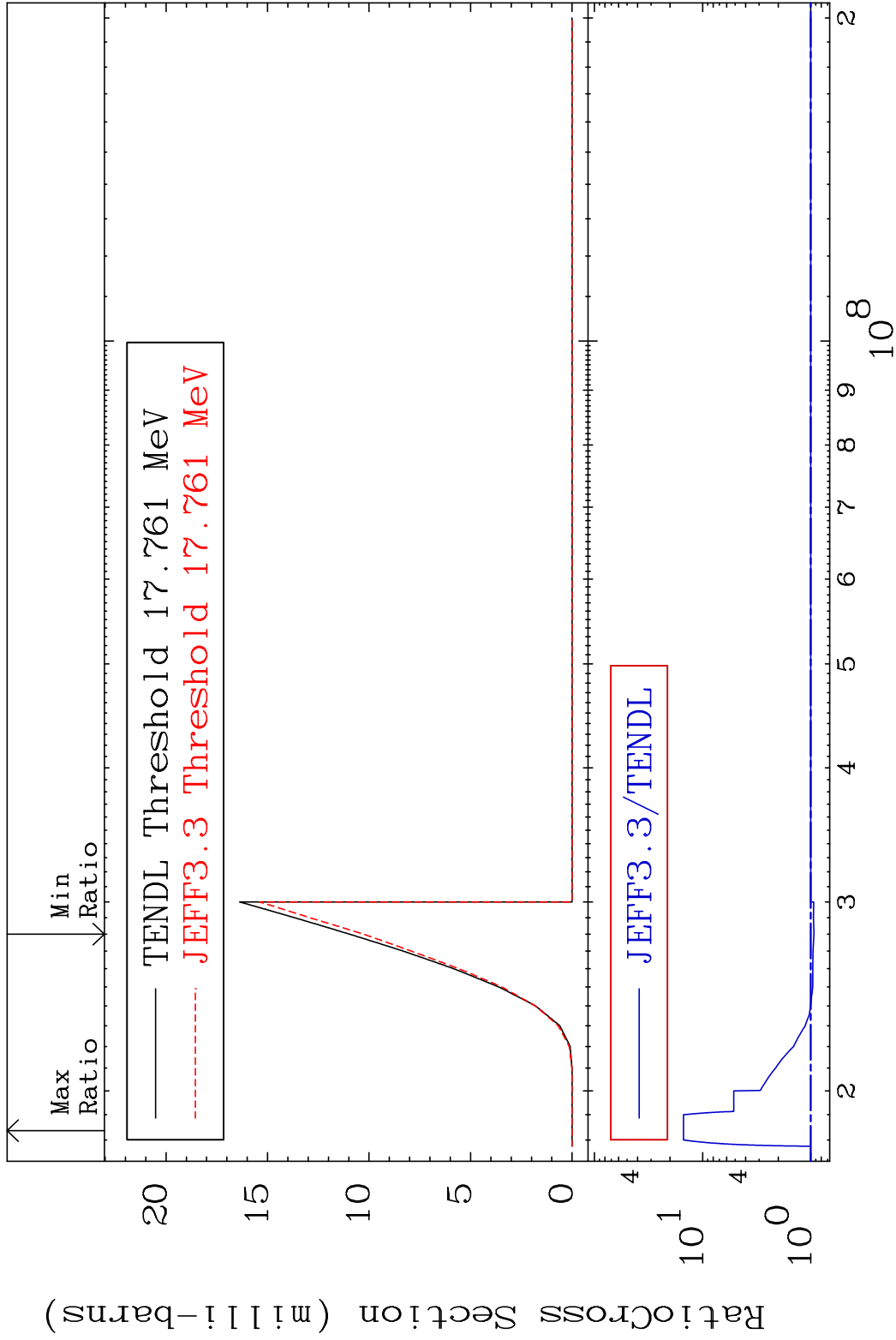
³⁴Se-76

MAT 3431

(n, n') d

³⁴Se-76

Cross Section -6.339 To 1405. %



12

Incident Energy (eV)

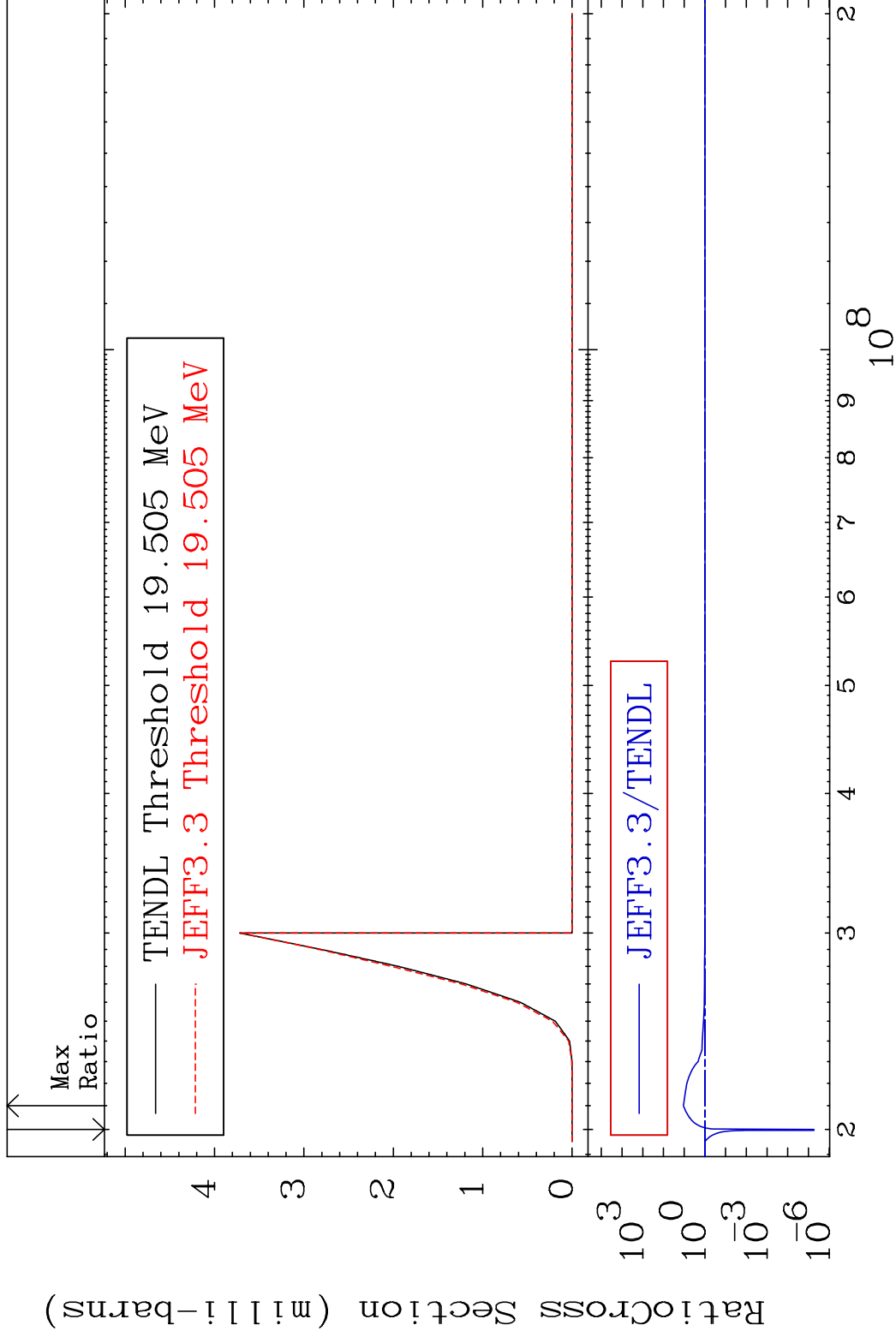
³⁴Se-76

MAT 3431

(n, n') t

³⁴Se-76

Cross Section -100.0 To 987.8 %

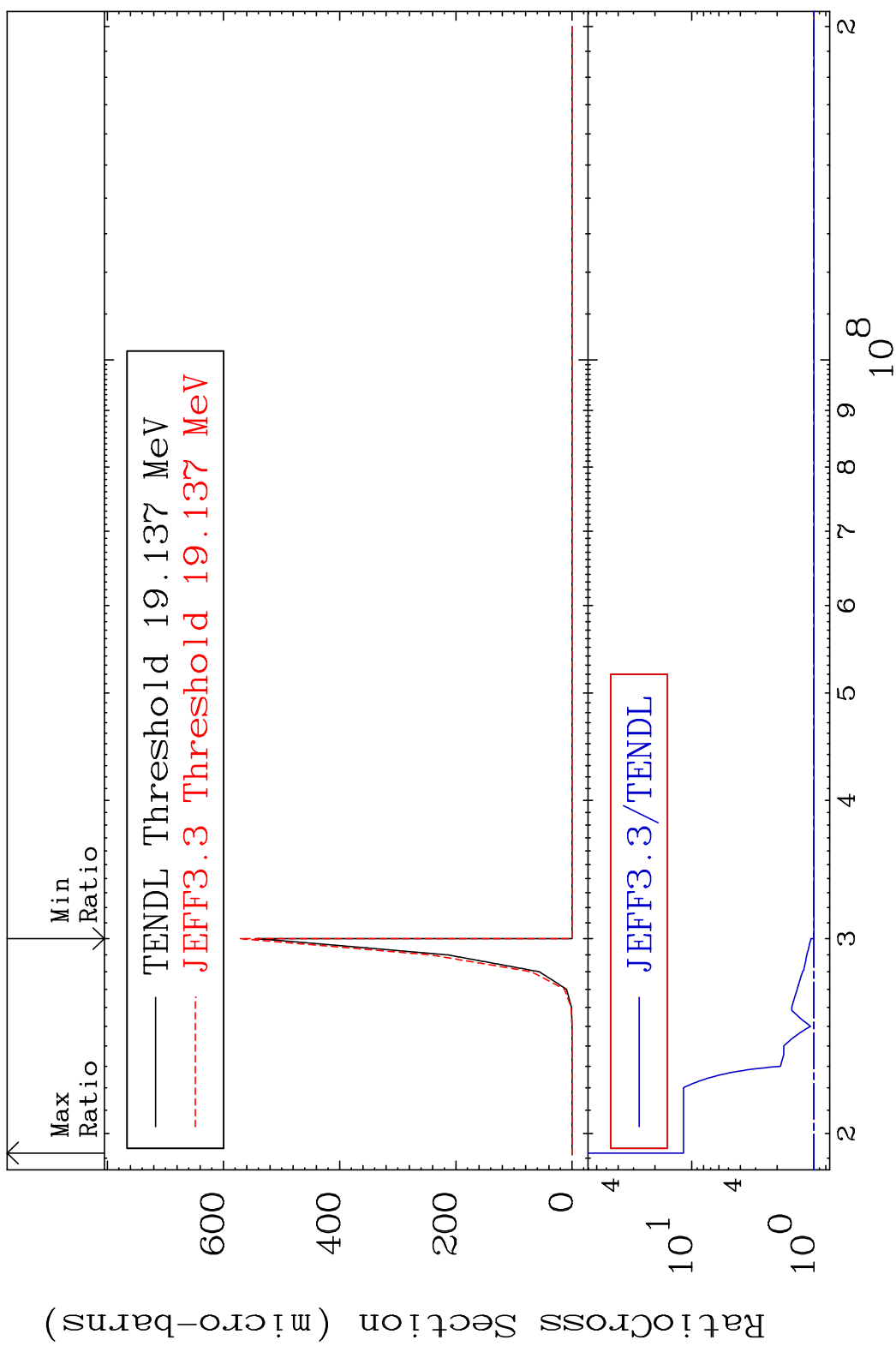


13

Incident Energy (eV)

³⁴Se-76

MAT 3431 (n, n') He-3 34-Se-76
 Cross Section 0.000 To 1068. %



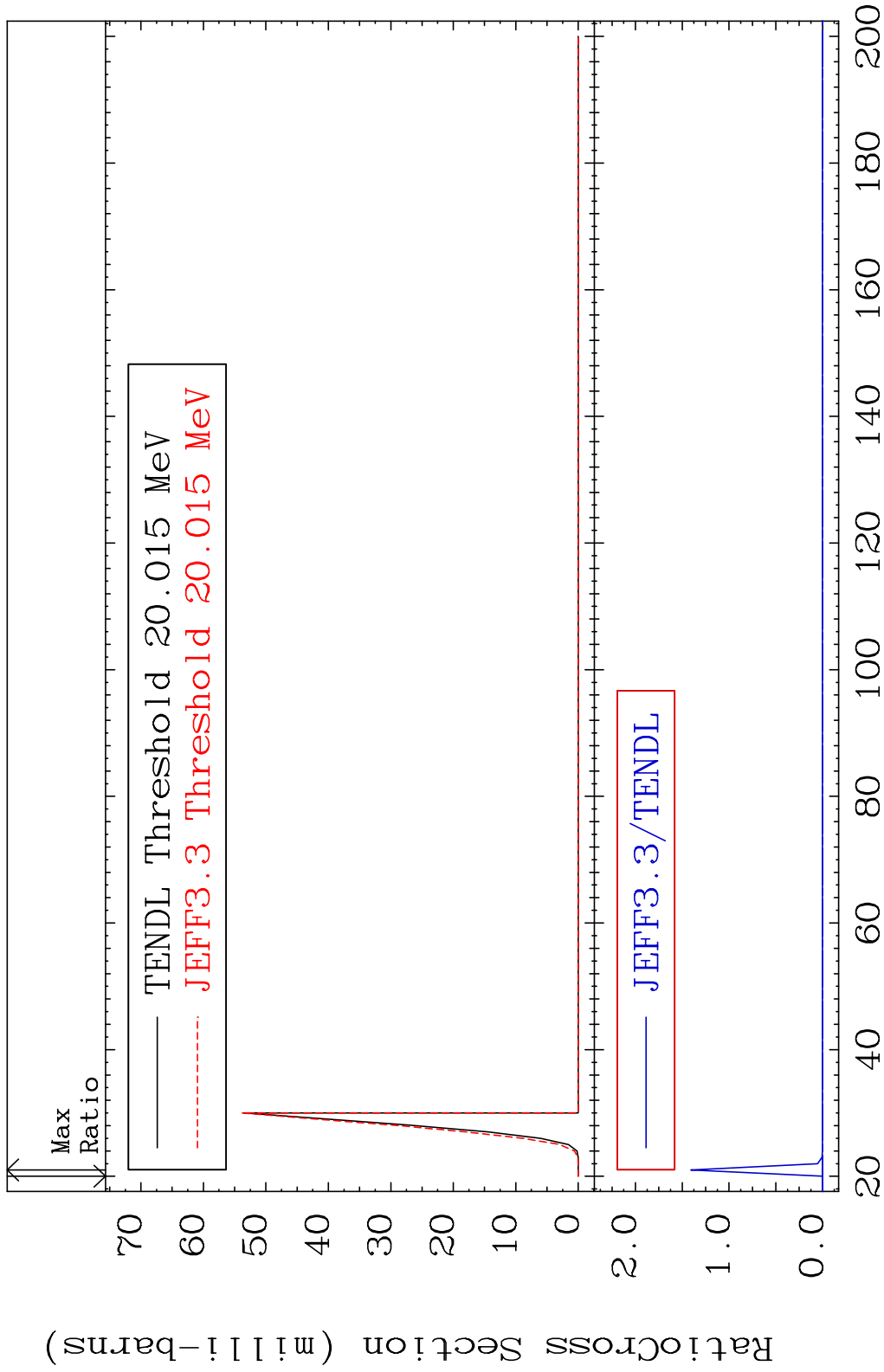
14 34-Se-76

MAT 3431

(n, 2n) p

³⁴Se-76

Cross Section -100.0 To 9999. %

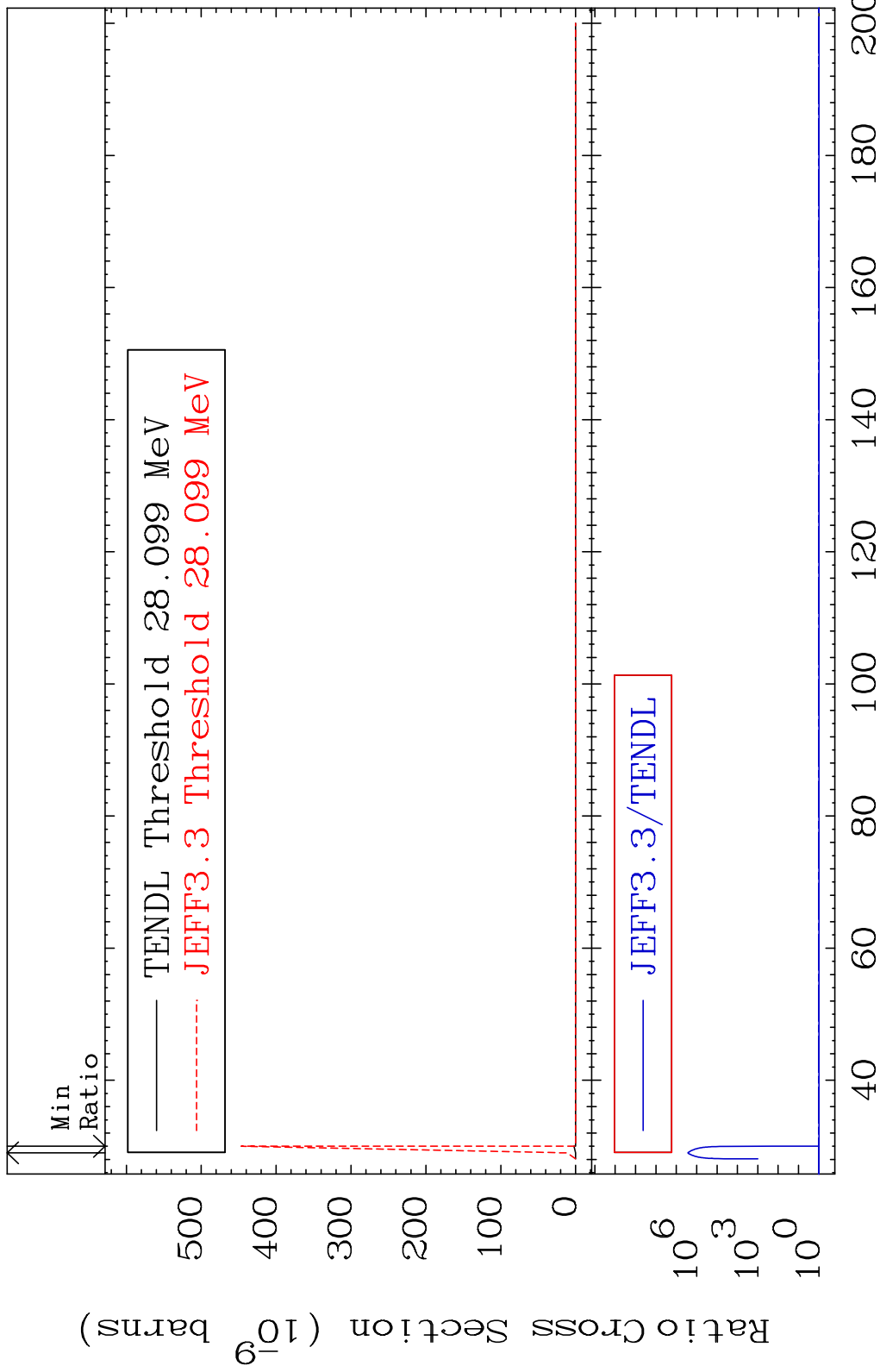


15

Incident Energy (MeV)

³⁴Se-76

MAT 3431 (n,3n) p 34-Se-76
 Cross Section 0.000 To 9999. %



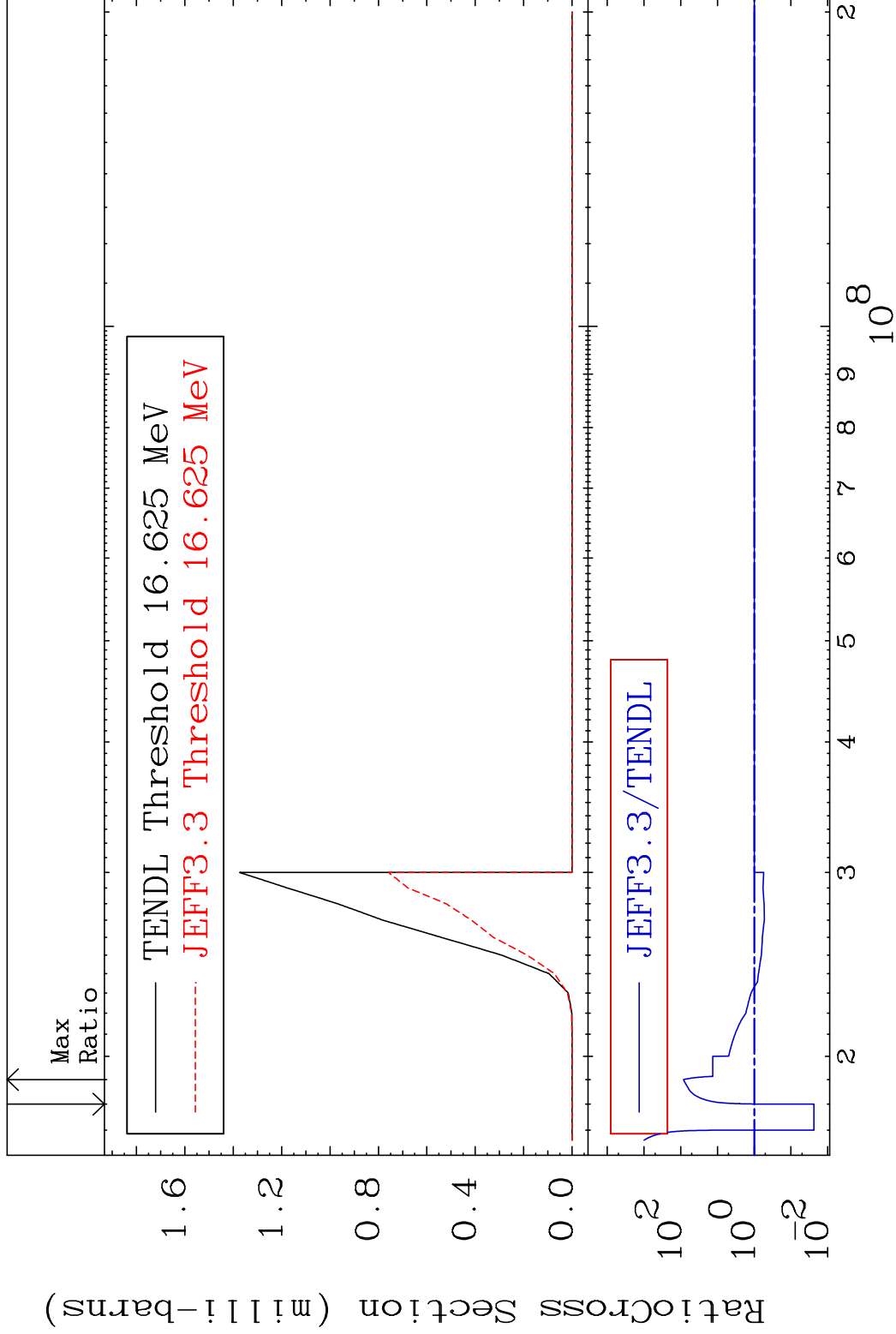
16 Incident Energy (MeV) 34-Se-76

MAT 3431

(n, 2n) p

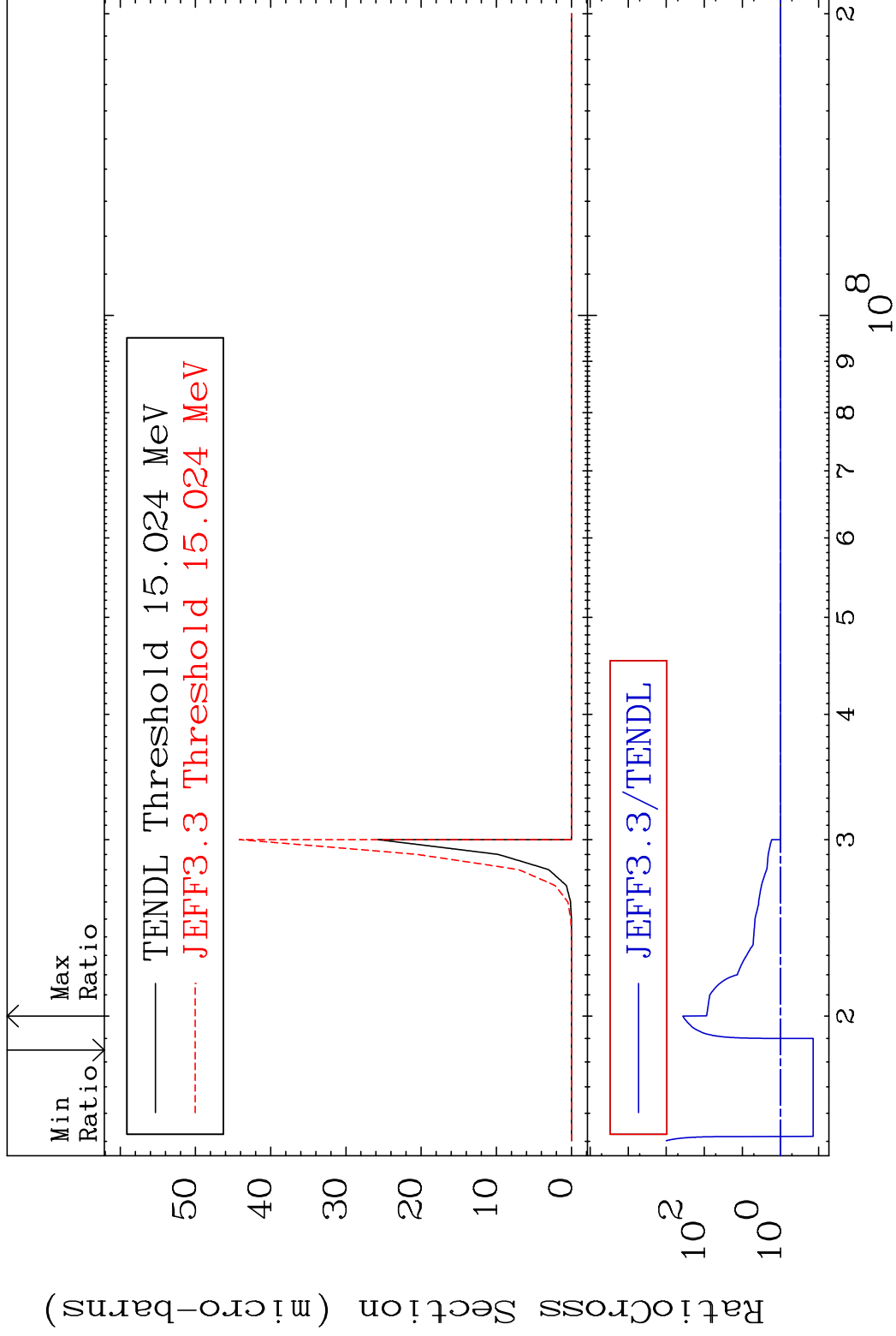
³⁴Se-76

Cross Section -97.62 To 8338. %



MAT 3431

(n, n') p α 34-Se-76
Cross Section -86.07 To 9999. %

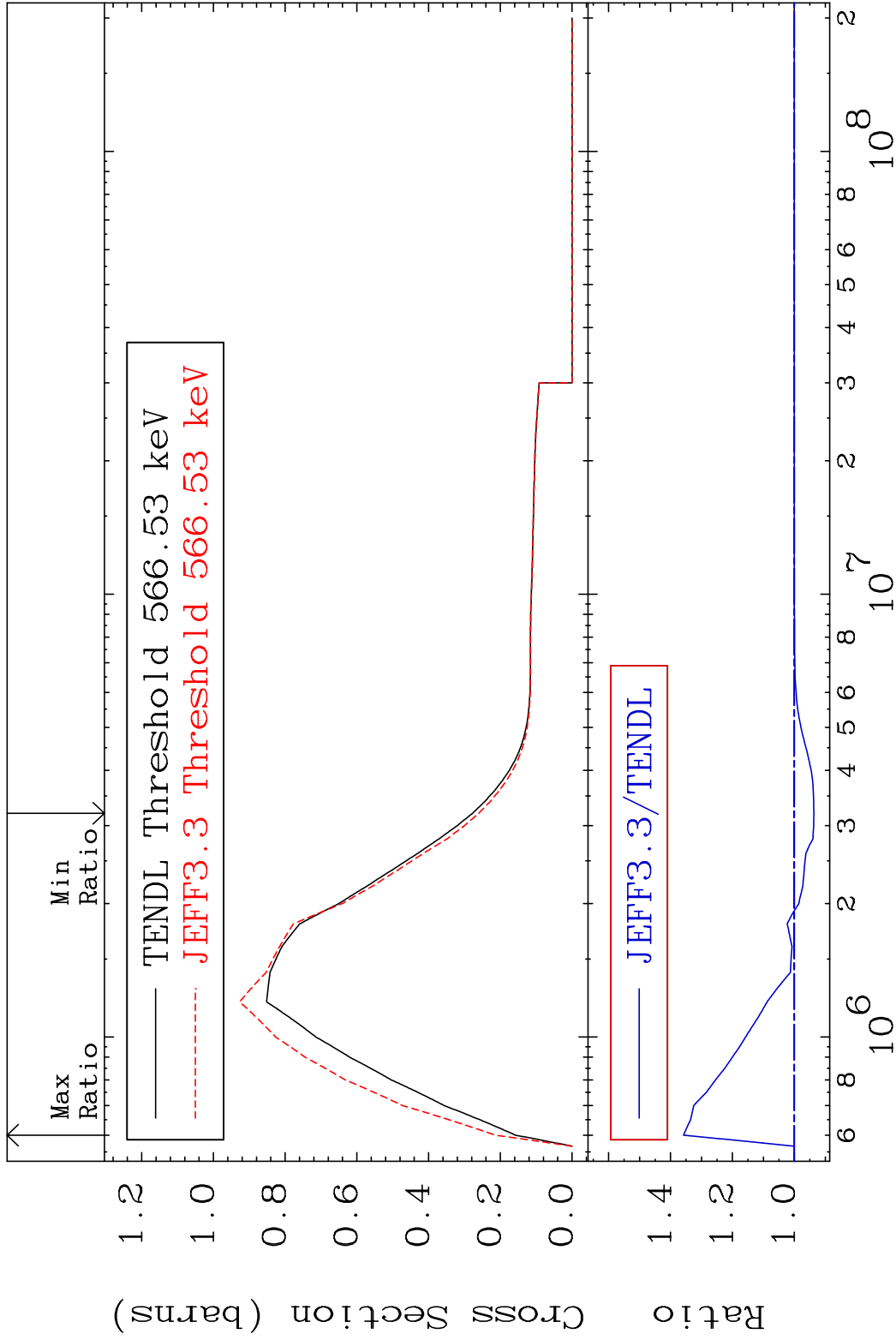


18

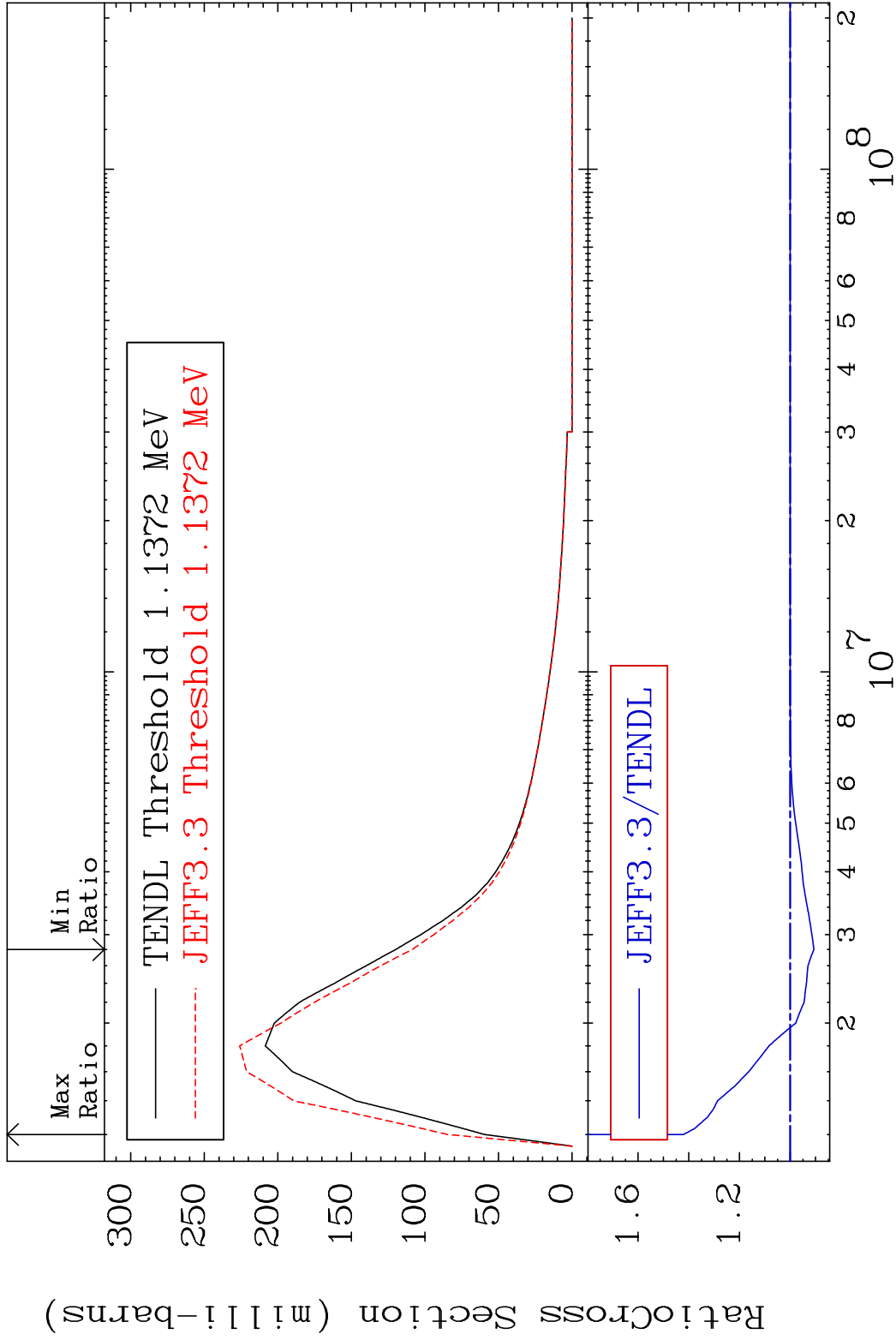
Incident Energy (eV)

34-Se-76

MAT 3431 MT= 51 (n, n') Level 34-Se-76
 Cross Section -6.306 To 35.83 %

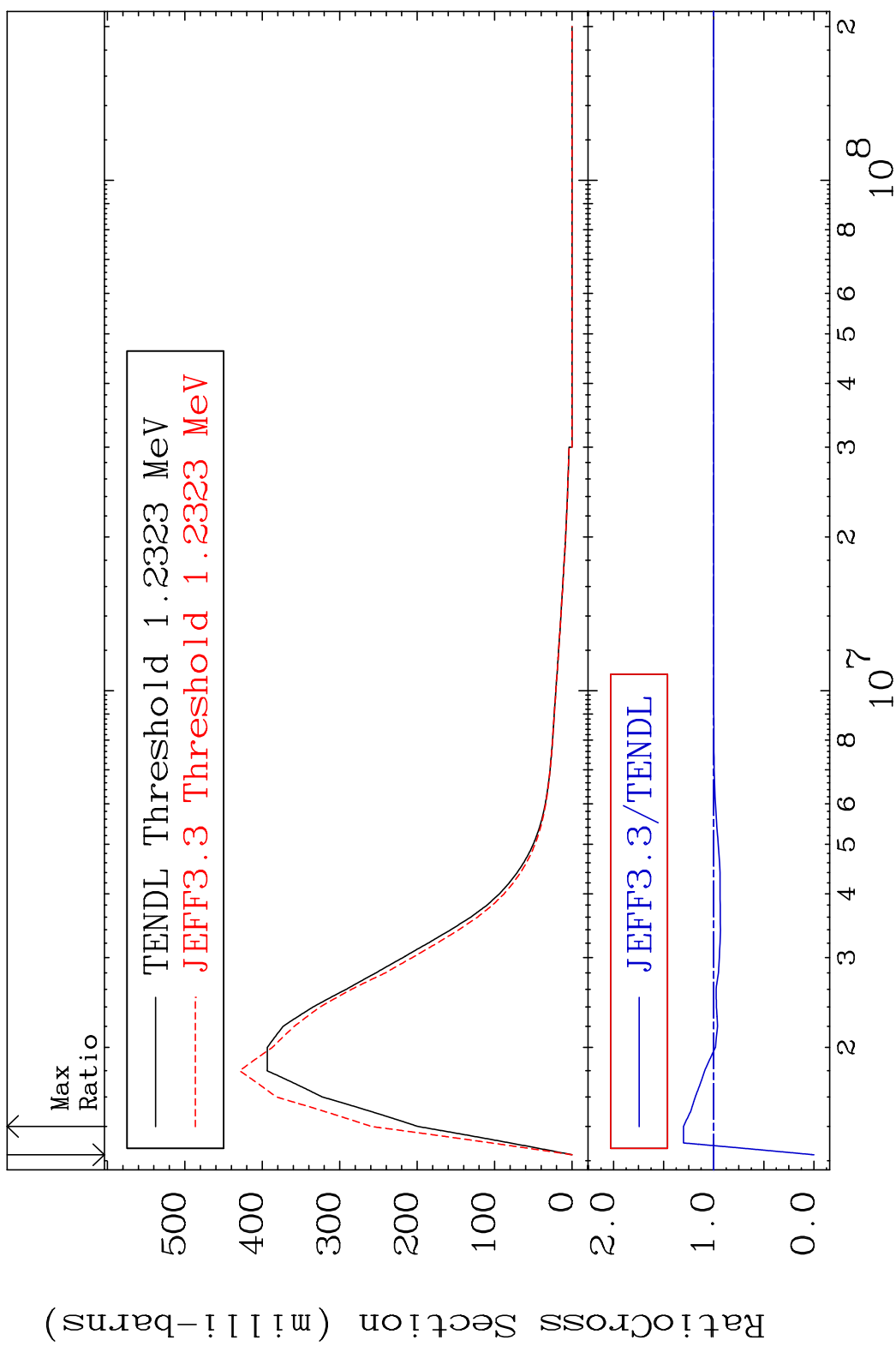


MAT 3431 MT= 52 (n, n') Level 34-Se-76
 Cross Section -9.343 To 42.10 %

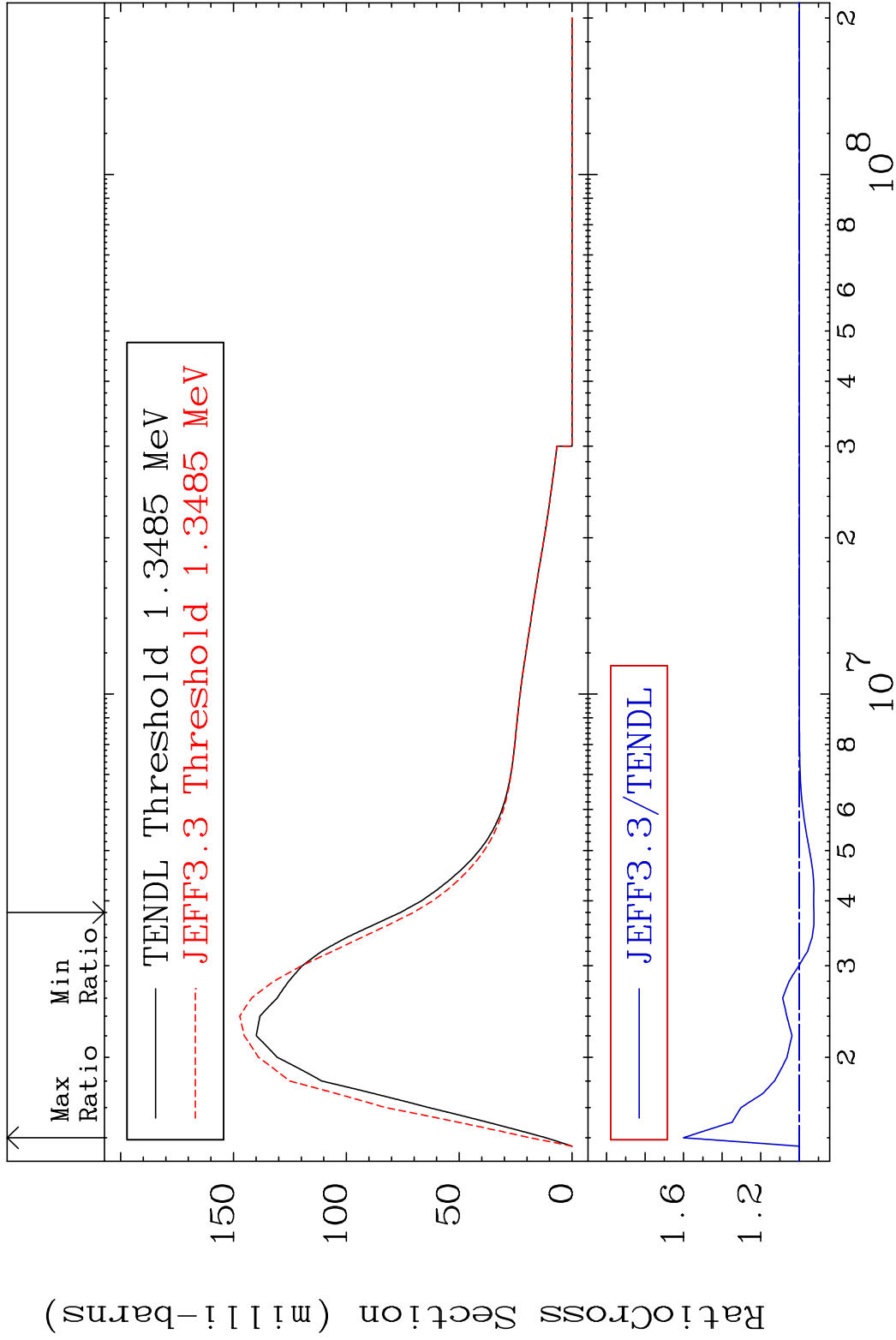


20 34-Se-76

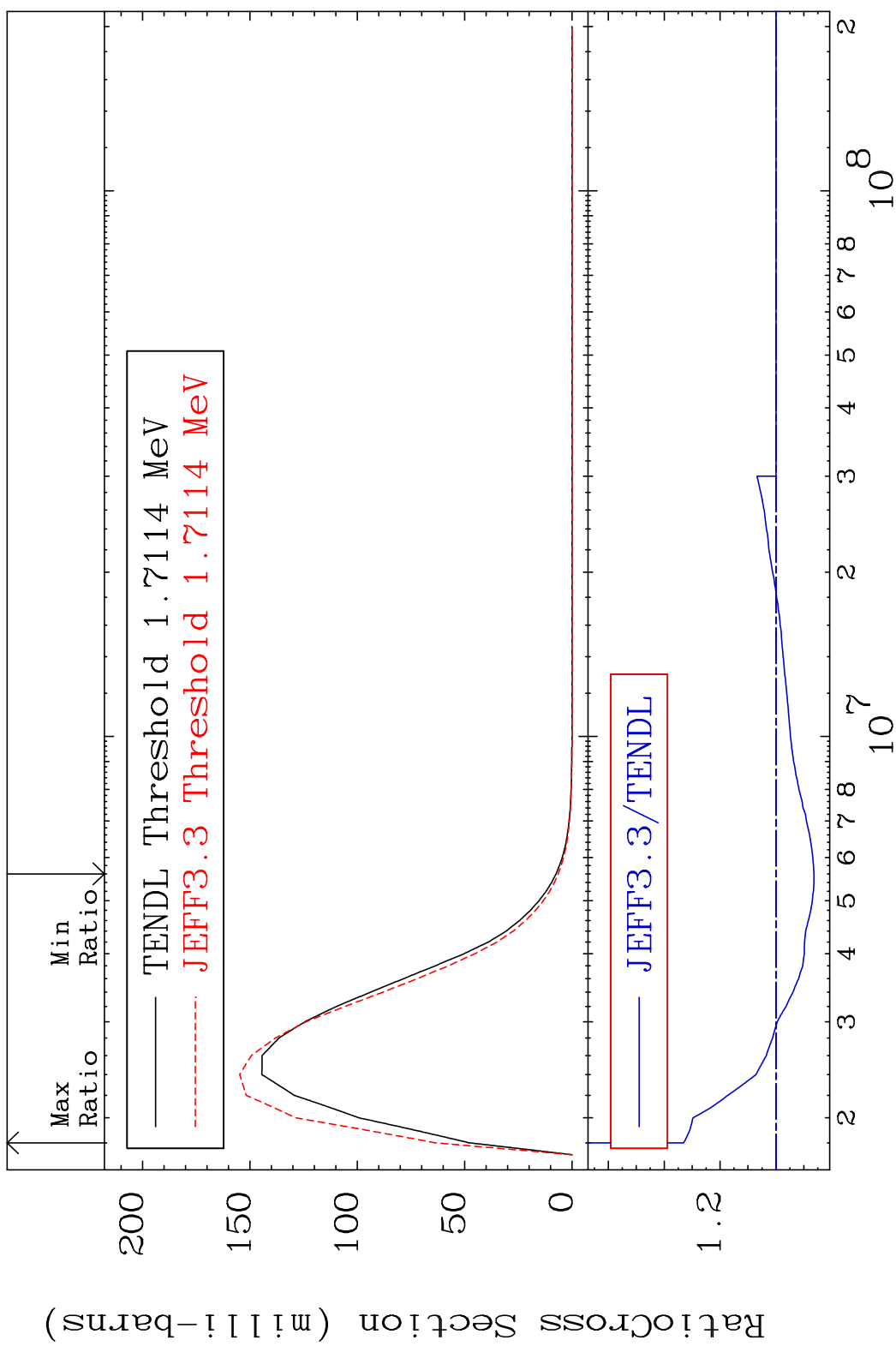
MAT 3431 MT= 53 (n, n') Level 34-Se-76
 Cross Section -100.0 To 30.20 %



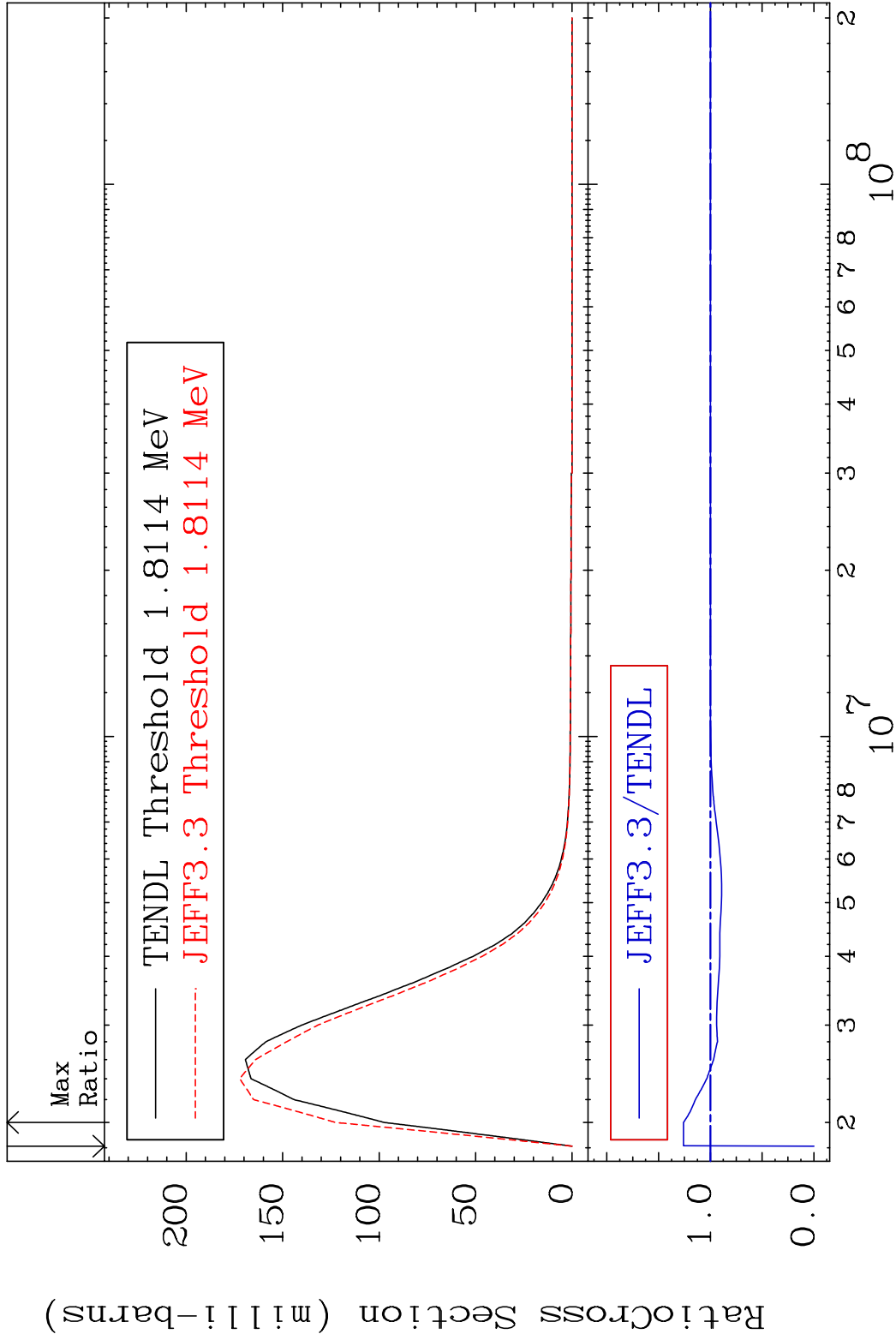
MAT 3431 MT= 54 (n, n') Level 34-Se-76
 Cross Section -7.571 To 60.07 %



MAT 3431 MT= 55 (n, n') Level 34-Se-76
 Cross Section -13.58 To 33.10 %

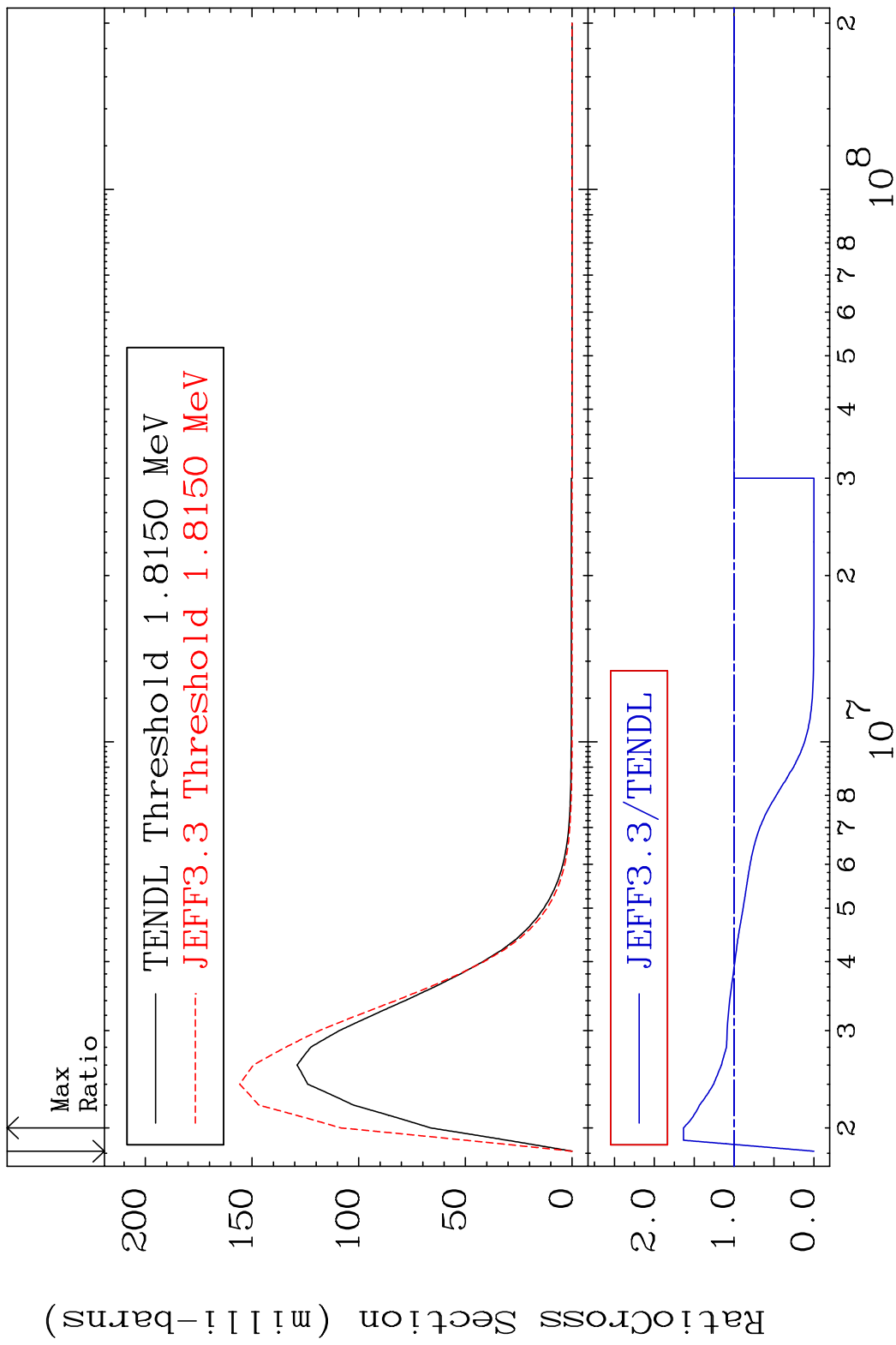


MAT 3431 MT= 56 (n, n') Level 34-Se-76
 Cross Section -100.0 To 25.99 %



24 34-Se-76

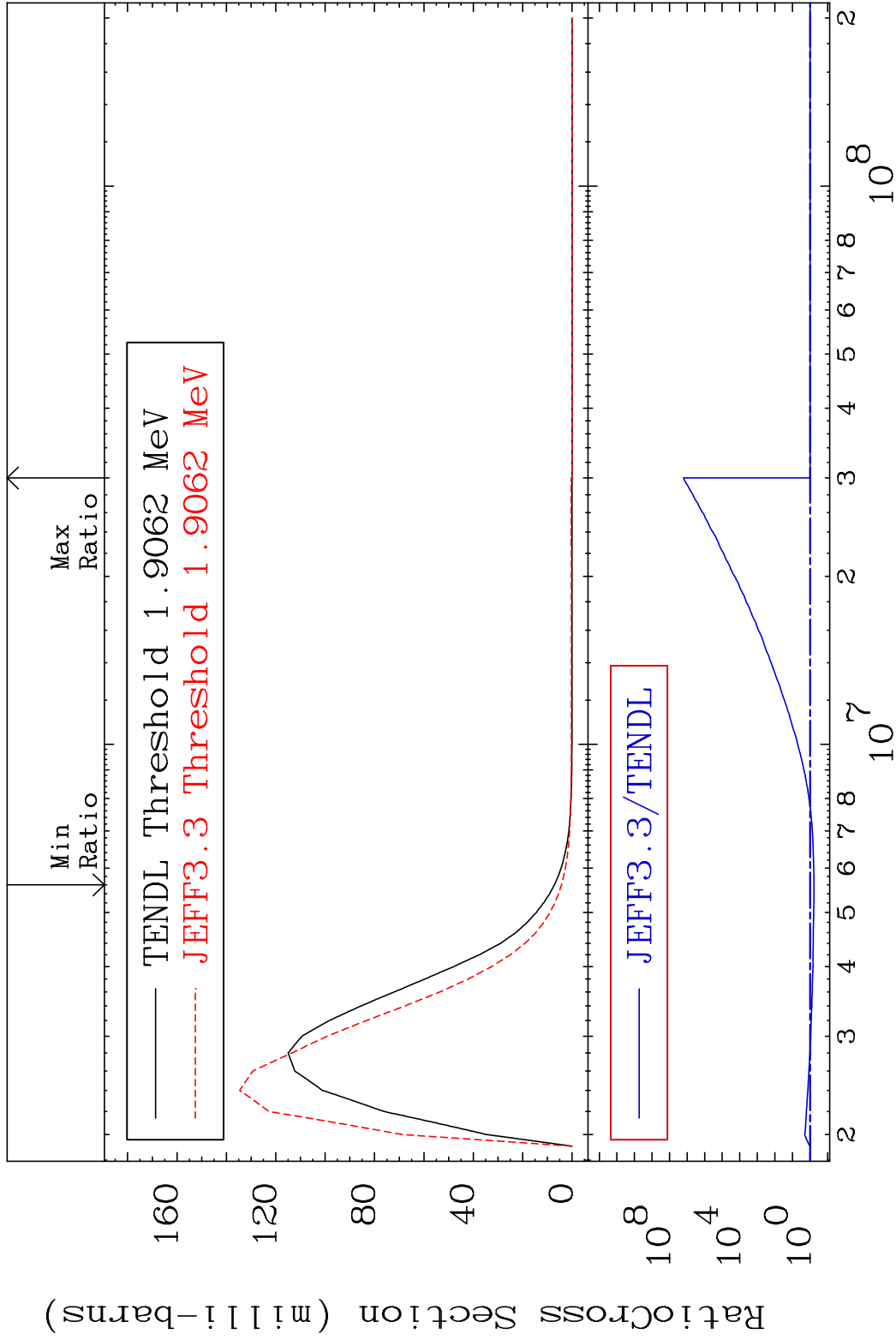
MAT 3431 MT= 57 (n, n') Level 34-Se-76
 Cross Section -100.0 To 63.46 %



25 34-Se-76

MAT 3431

MT= 58 (n, n') Level 34-Se-76
Cross Section -39.99 To 9999. %

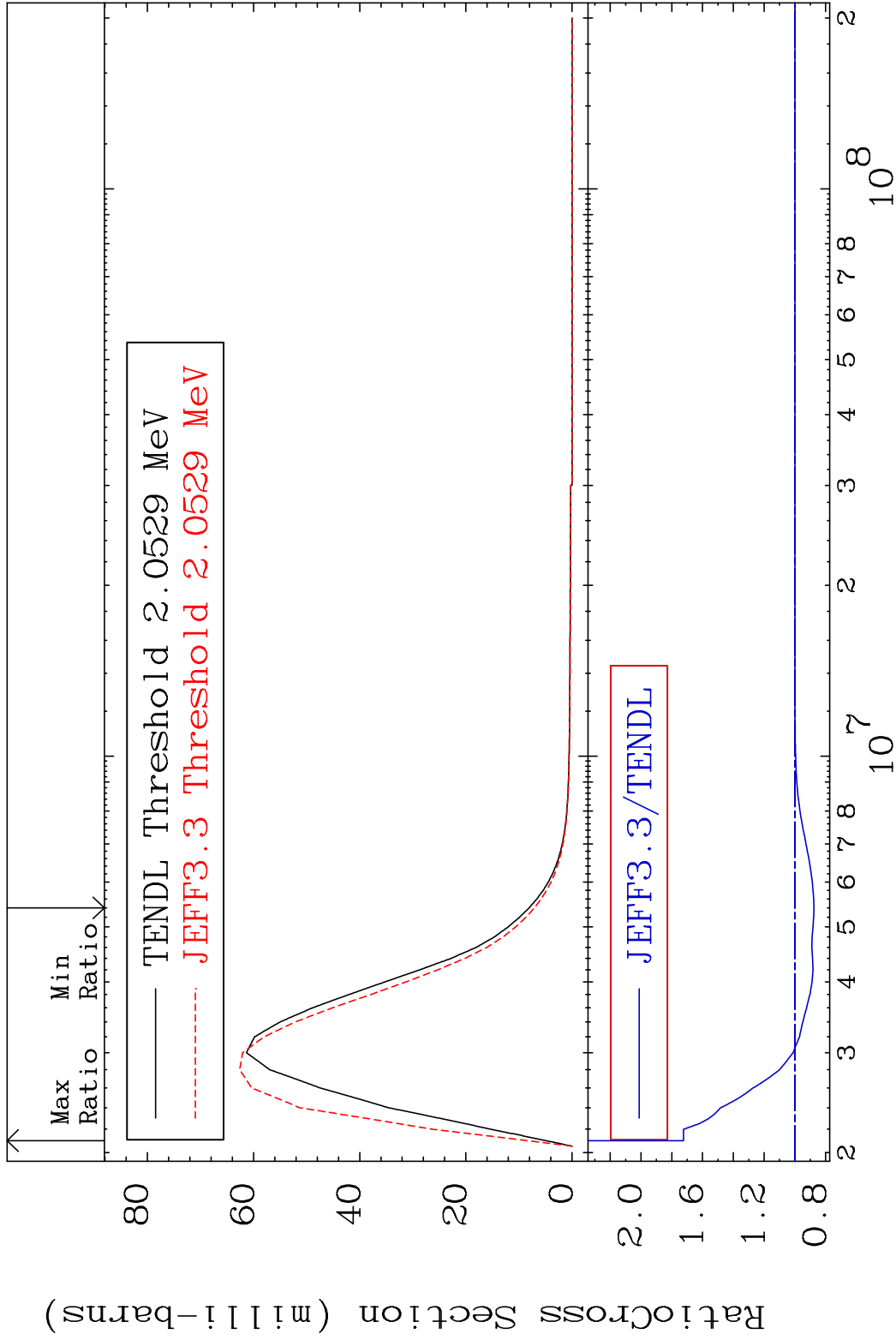


26

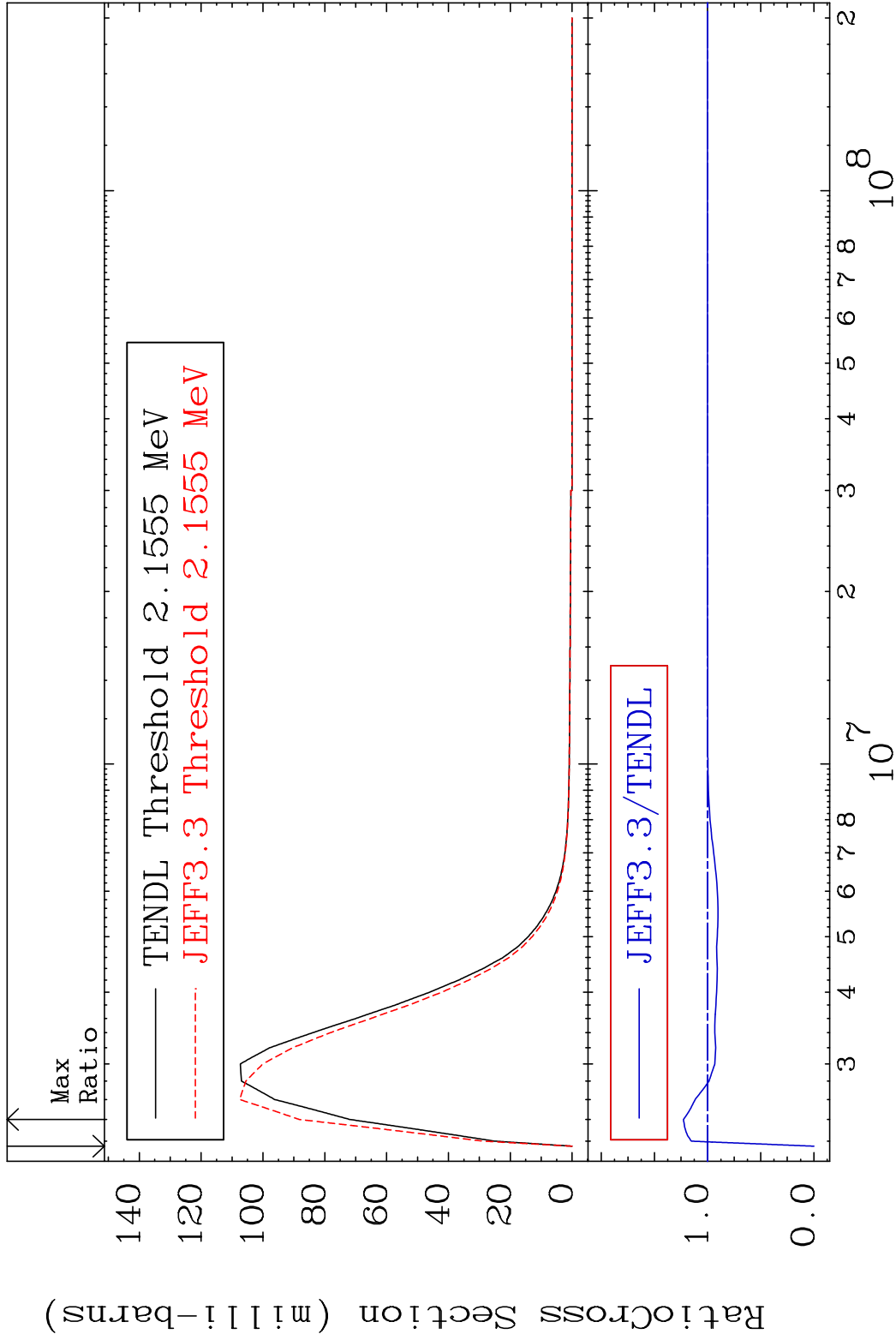
Incident Energy (eV)

34-Se-76

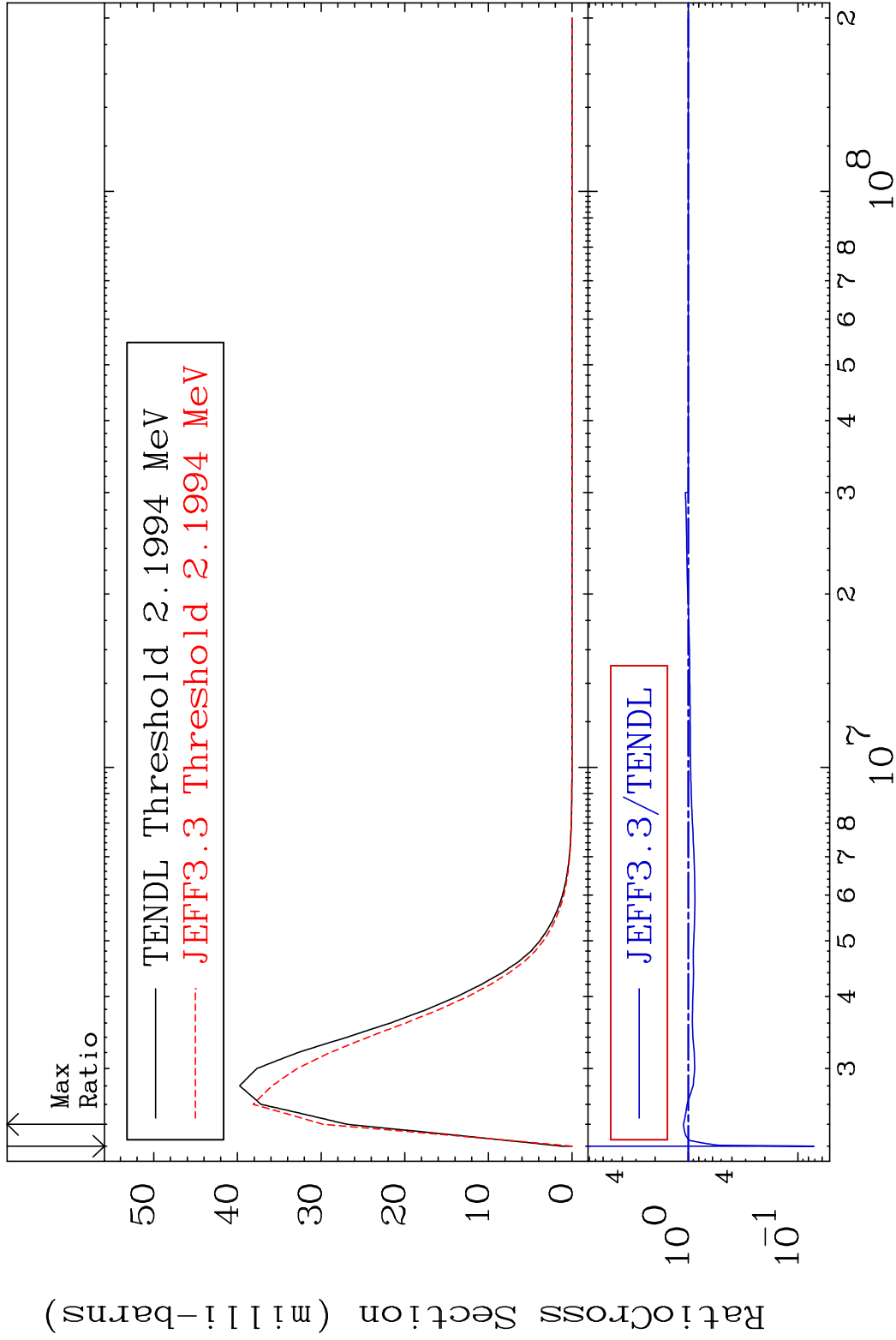
MAT 3431 MT= 59 (n, n') Level 34-Se-76
 Cross Section -12.36 To 72.42 %



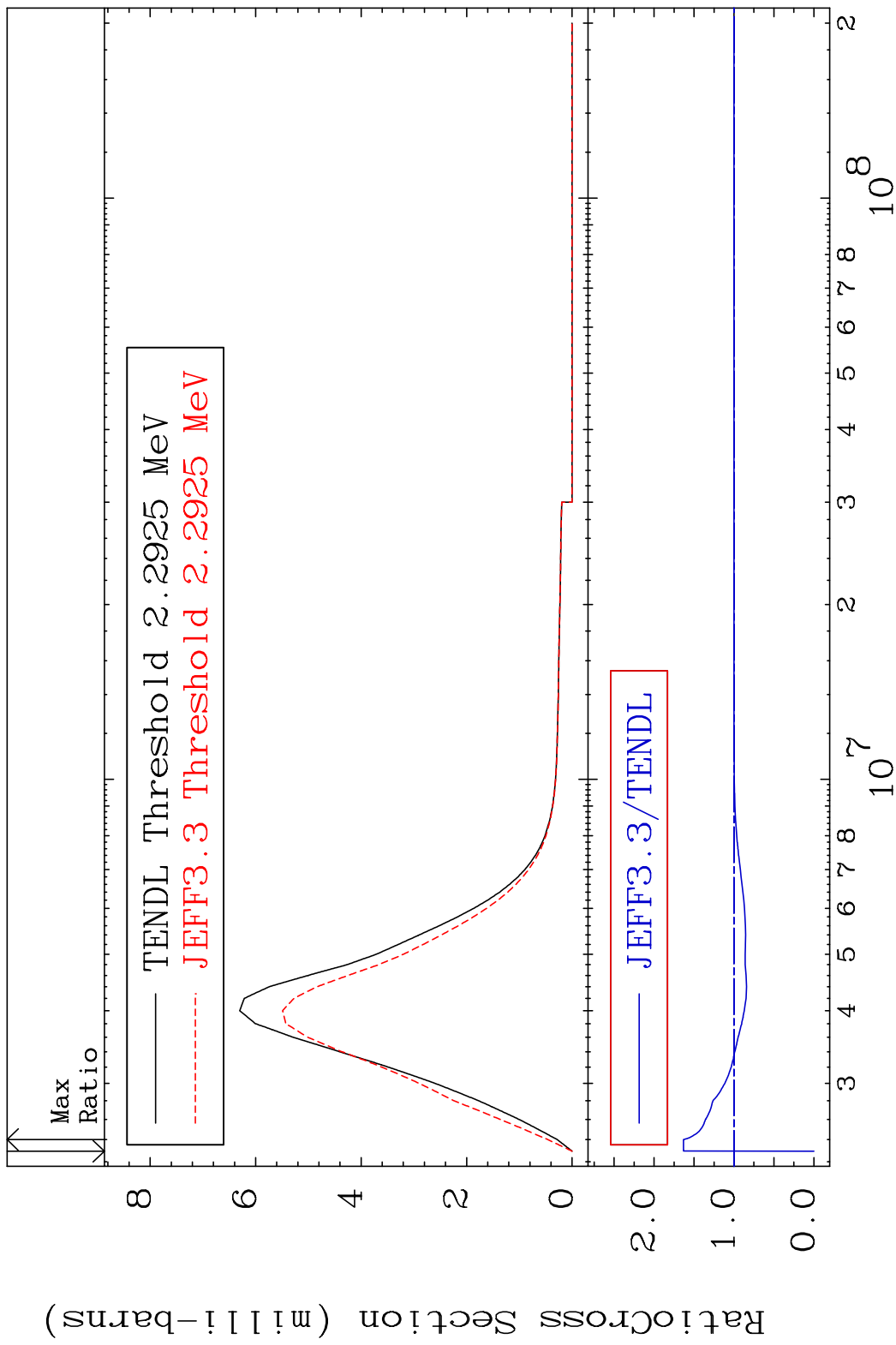
MAT 3431 MT= 60 (n, n') Level 34-Se-76
 Cross Section -100.0 To 22.71 %



MAT 3431 MT= 61 (n, n') Level 34-Se-76
 Cross Section -92.86 To 10.61 %

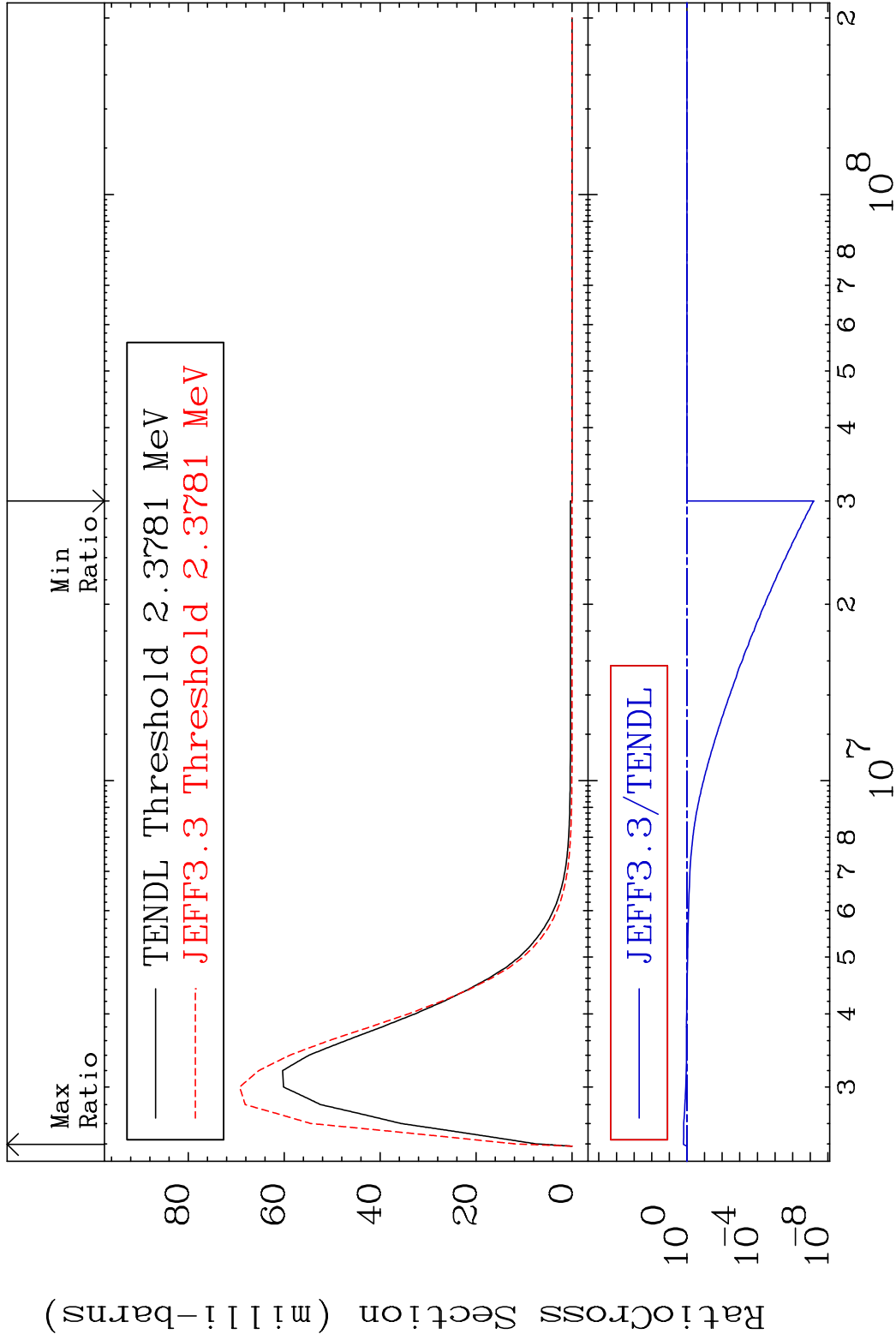


MAT 3431 MT= 62 (n, n') Level 34-Se-76
Cross Section -100.0 To 63.24 %

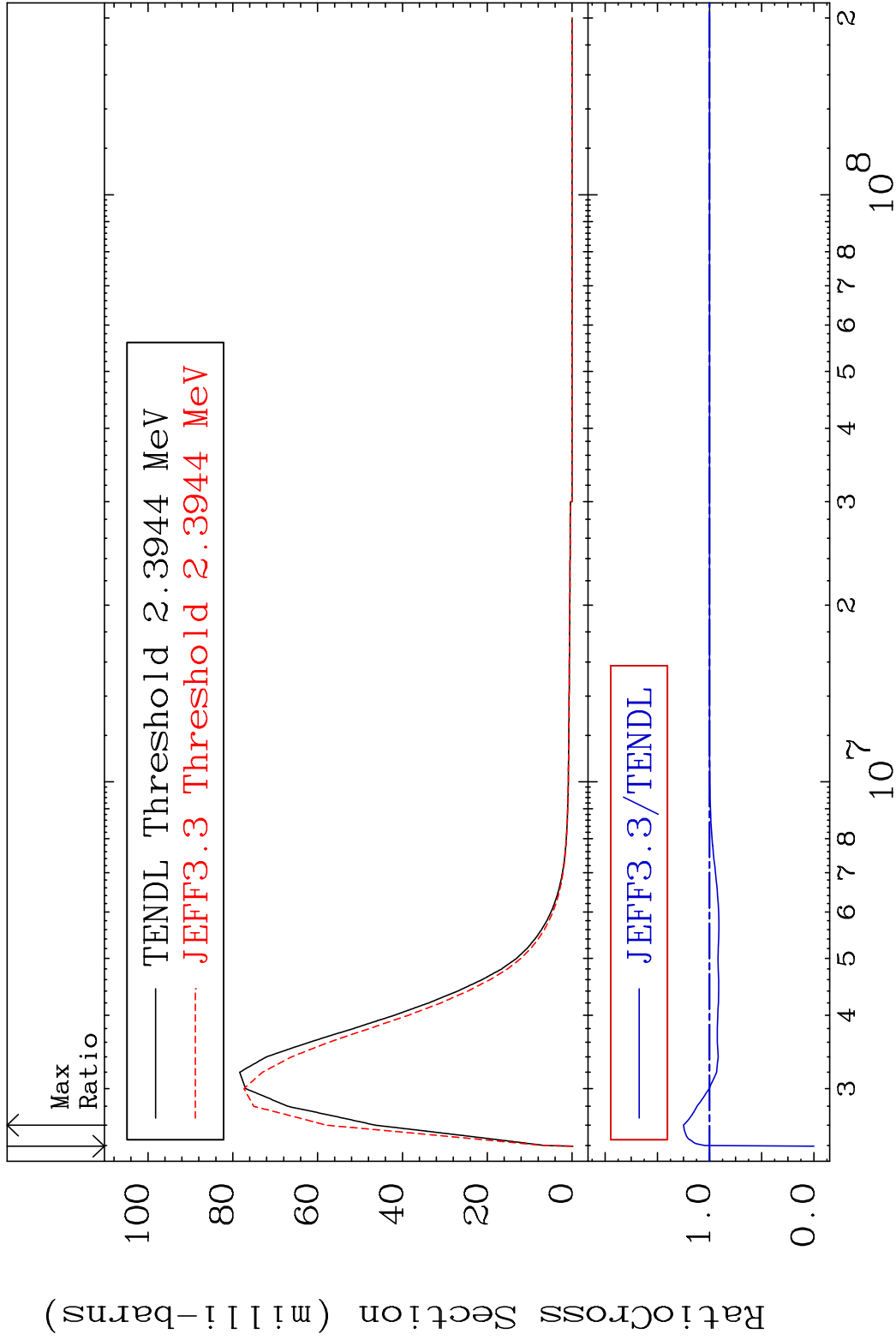


30 34-Se-76

MAT 3431 MT= 63 (n, n') Level 34-Se-76
 Cross Section -100.0 To 57.49 %

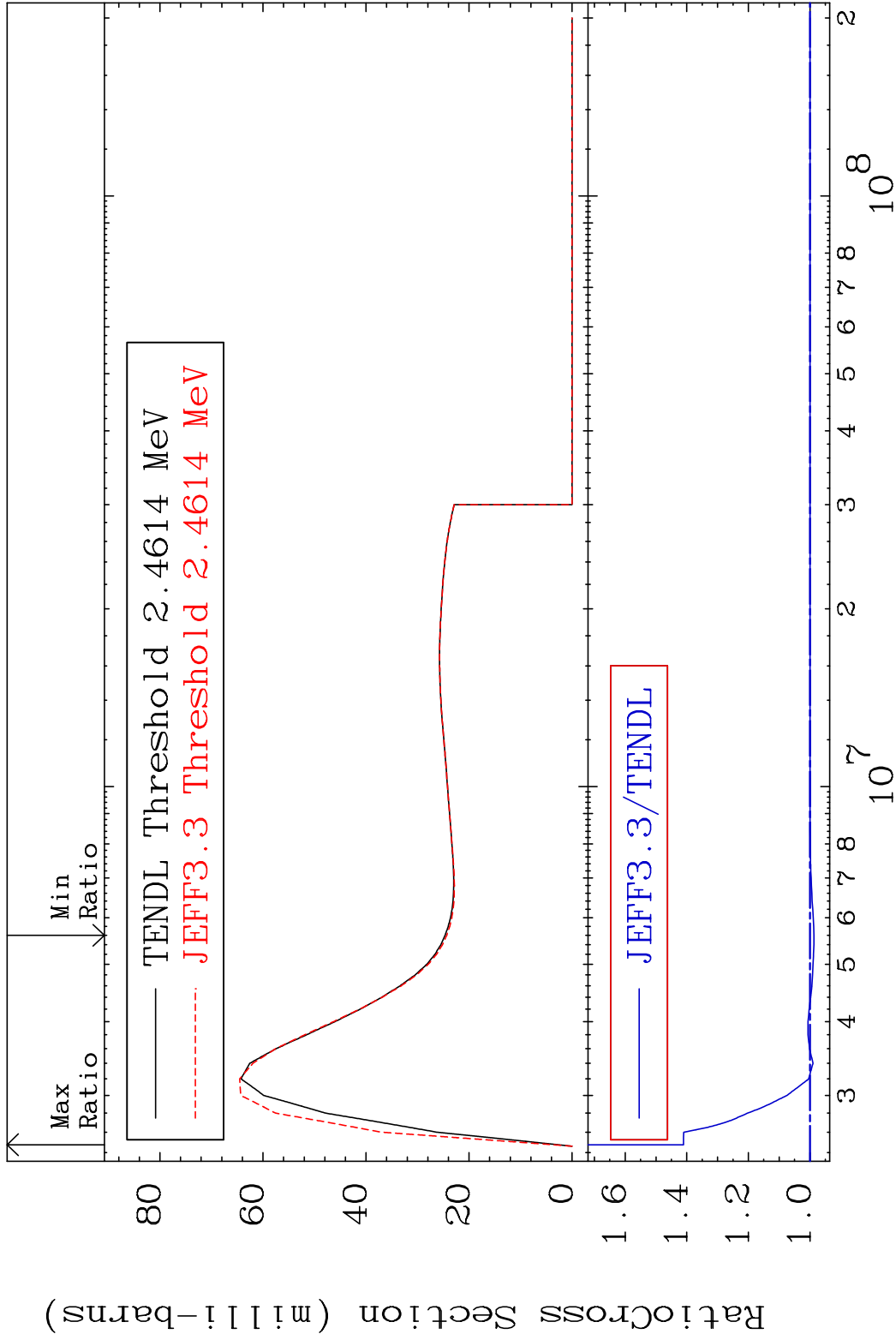


MAT 3431 MT= 64 (n, n') Level 34-Se-76
 Cross Section -100.0 To 24.98 %

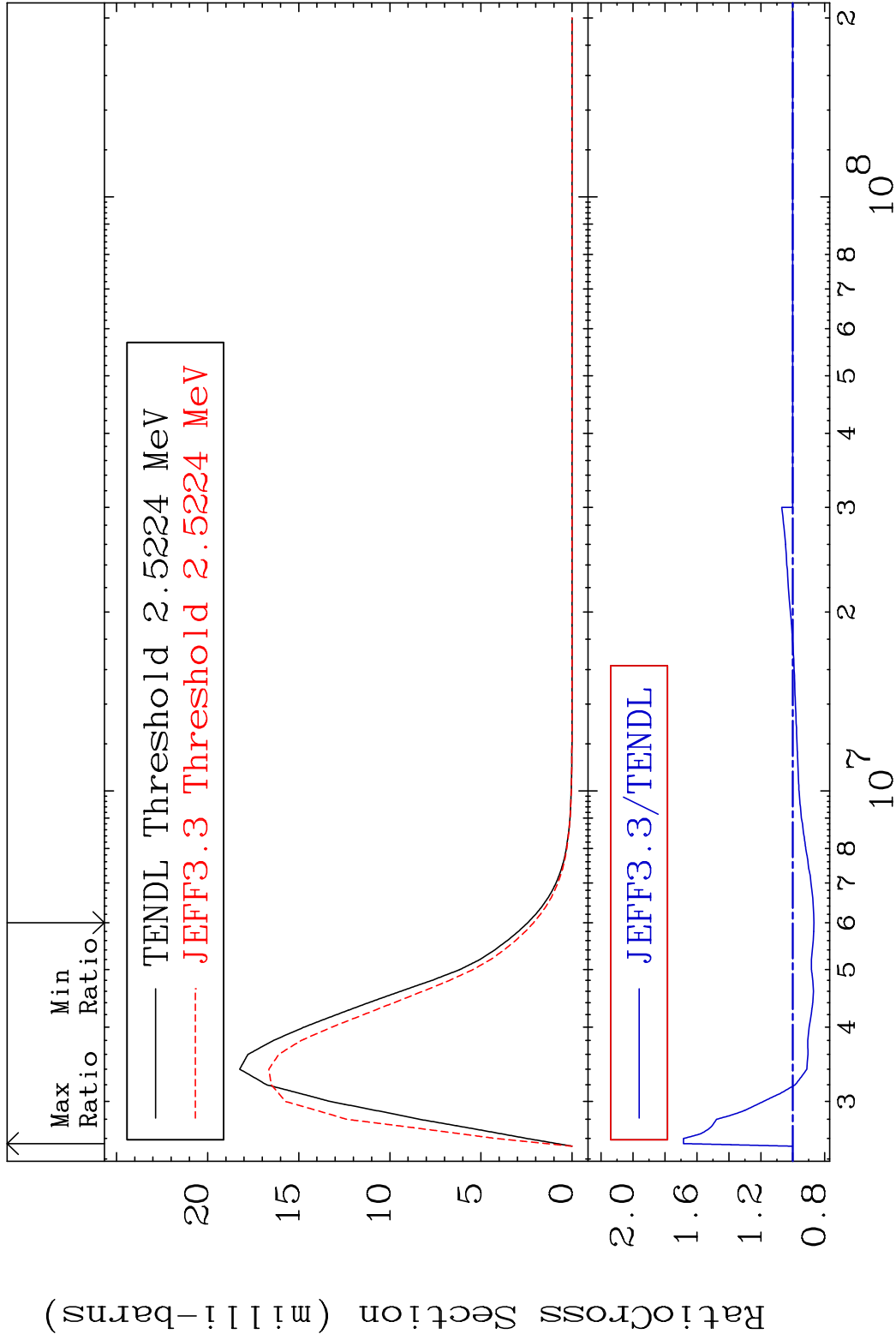


32 34-Se-76

MAT 3431 MT= 65 (n, n') Level 34-Se-76
 Cross Section -1.282 To 41.08 %

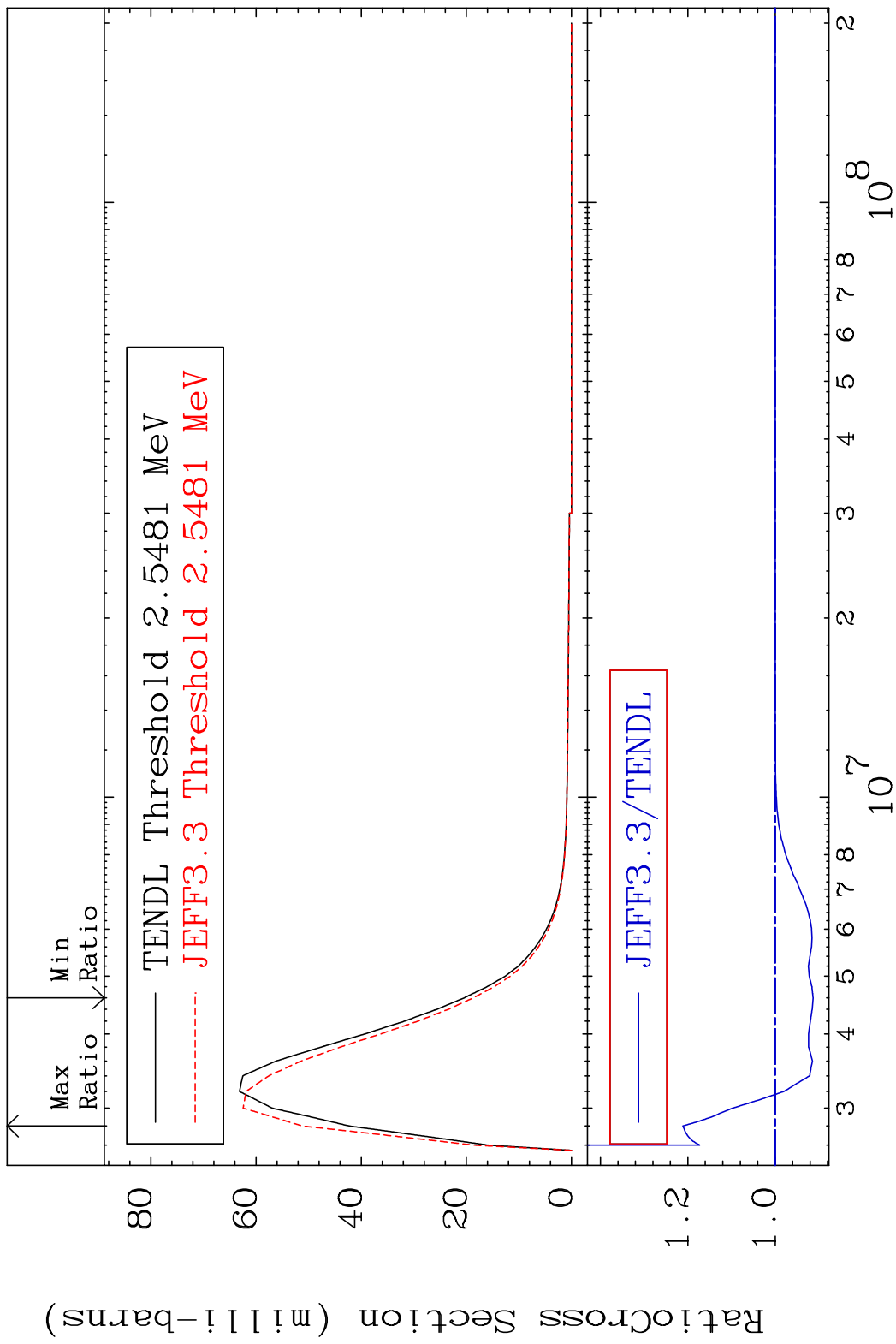


MAT 3431 MT= 66 (n, n') Level 34-Se-76
 Cross Section -13.20 To 68.44 %

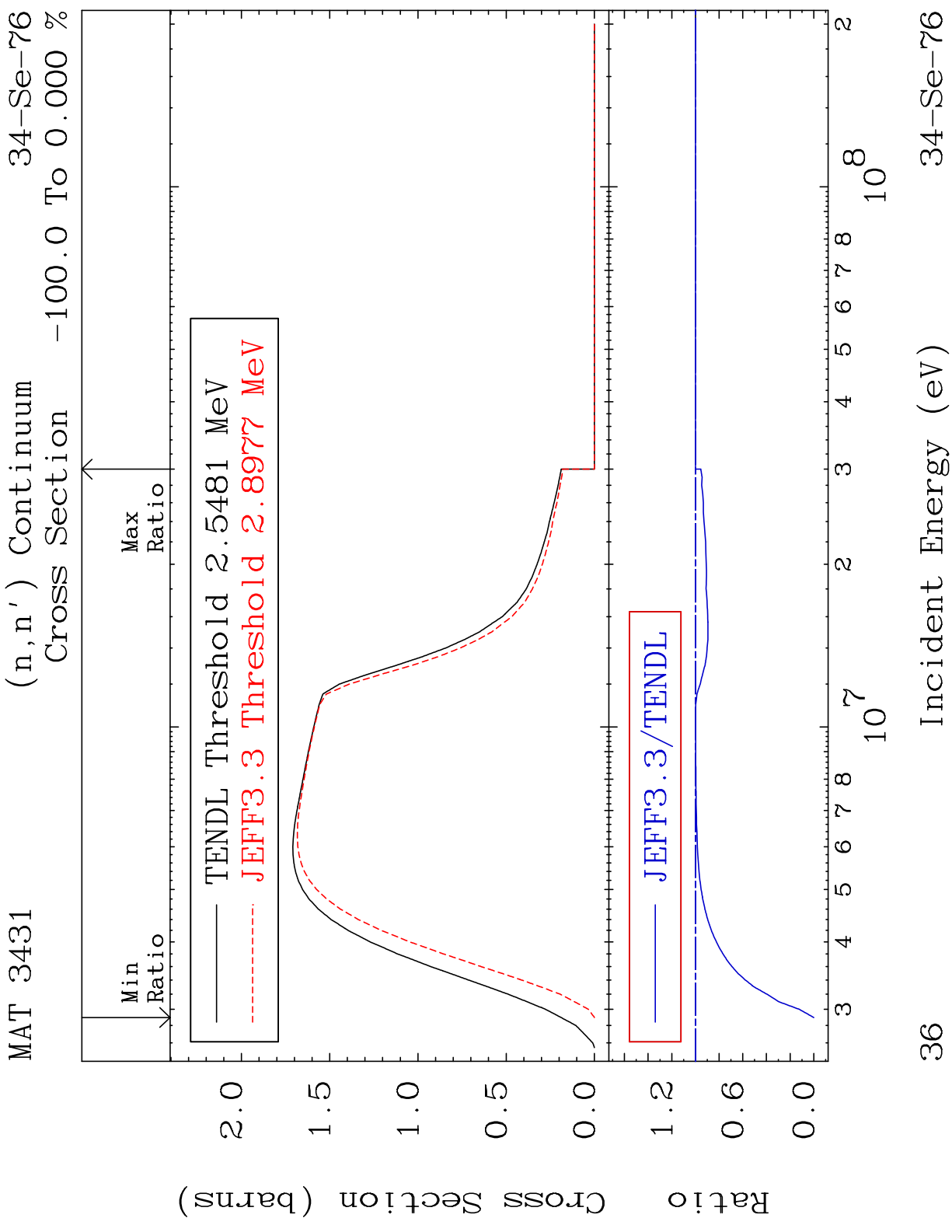


34 34-Se-76

MAT 3431 MT= 67 (n, n') Level 34-Se-76
 Cross Section -8.683 To 21.15 %



35 34-Se-76

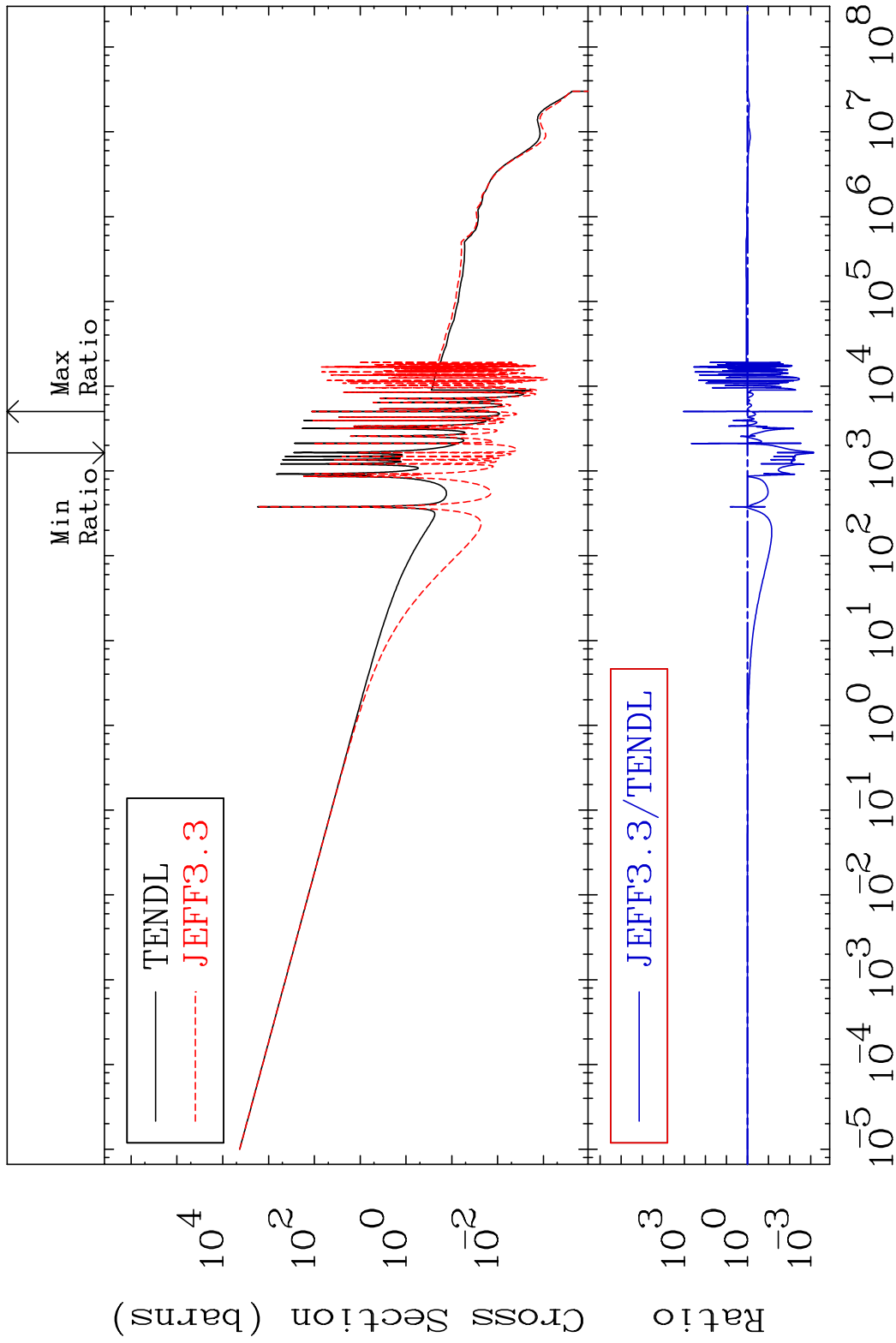


MAT 3431

(n, γ)

³⁴Se-76

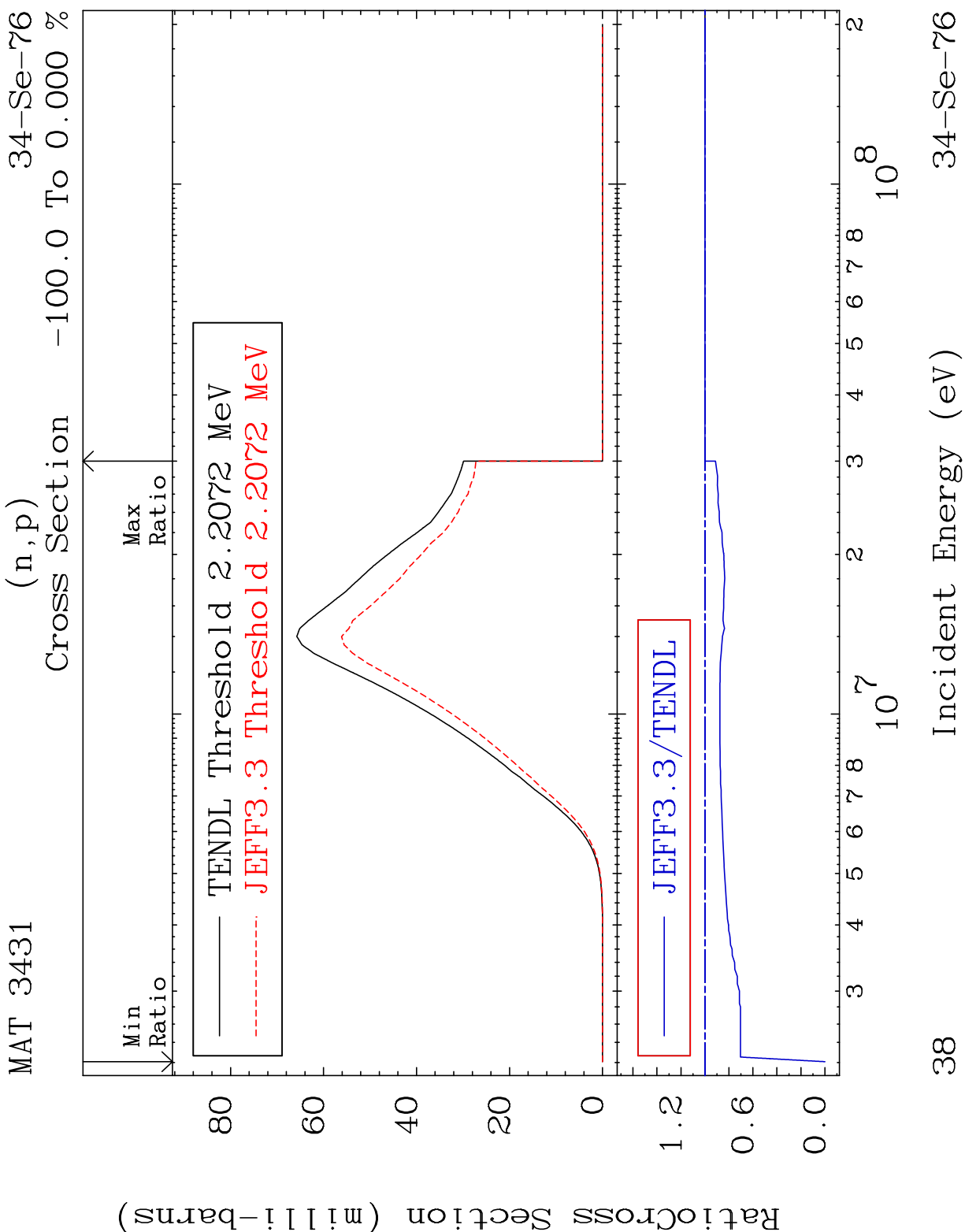
Cross Section -99.93 To 9999. %

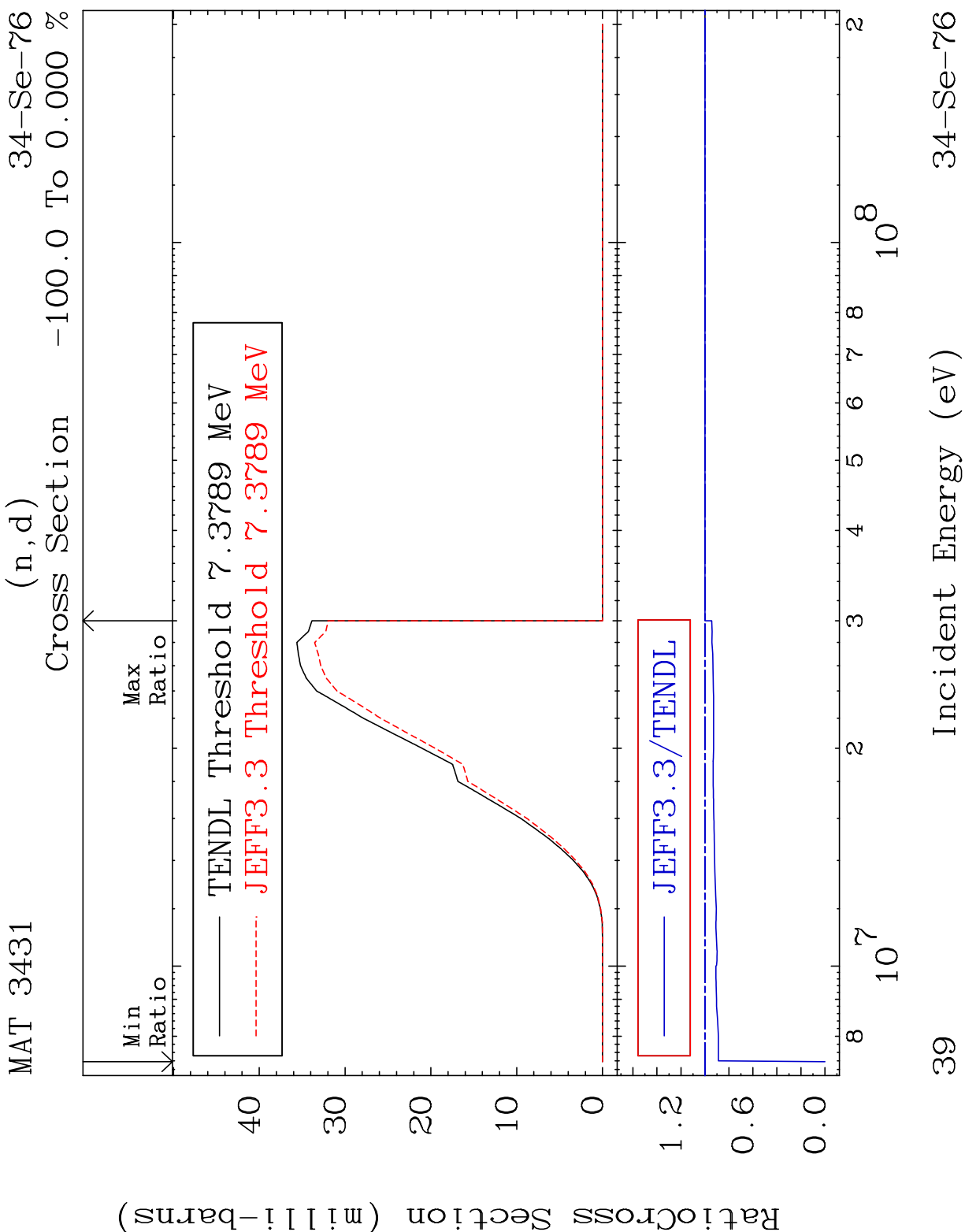


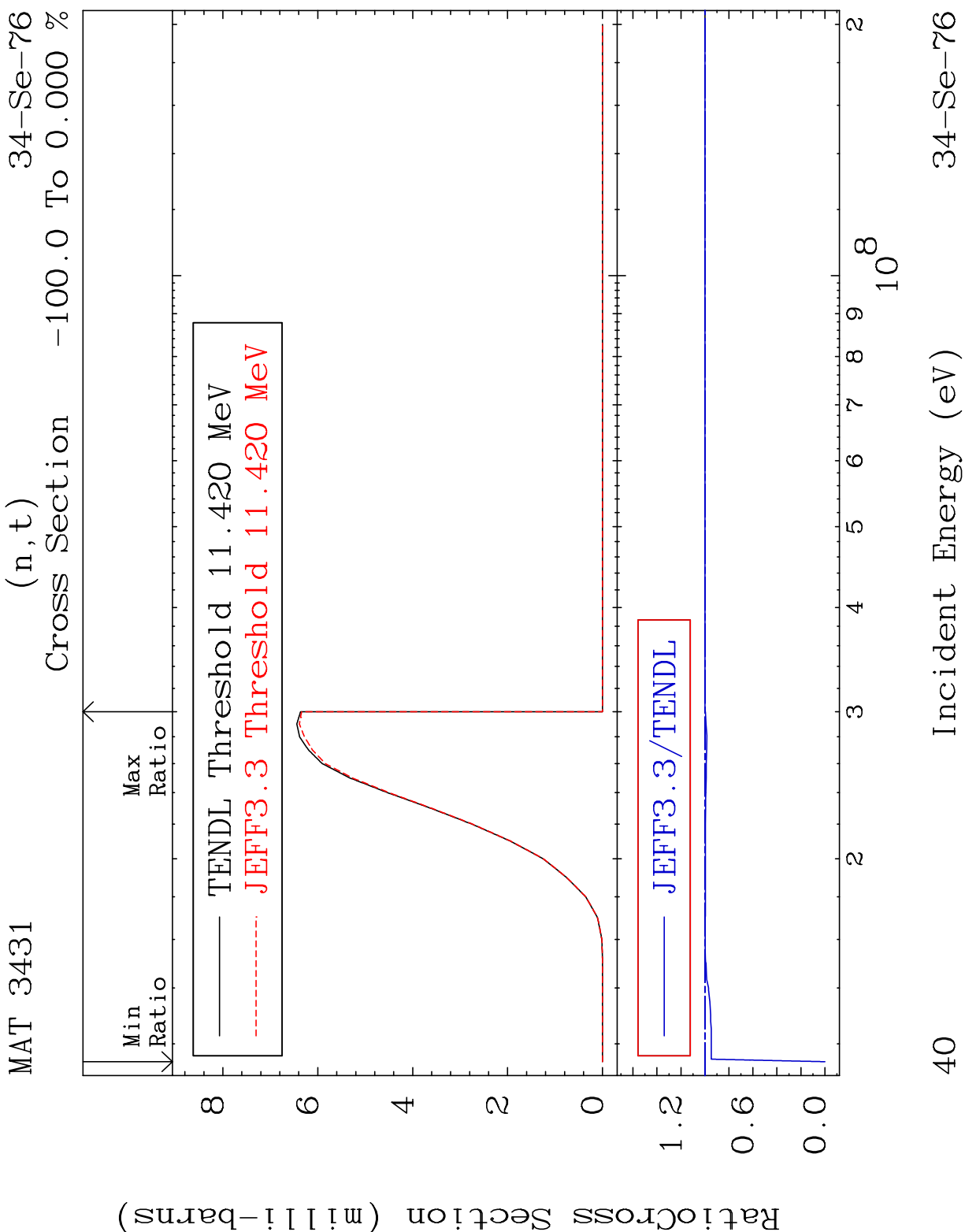
37

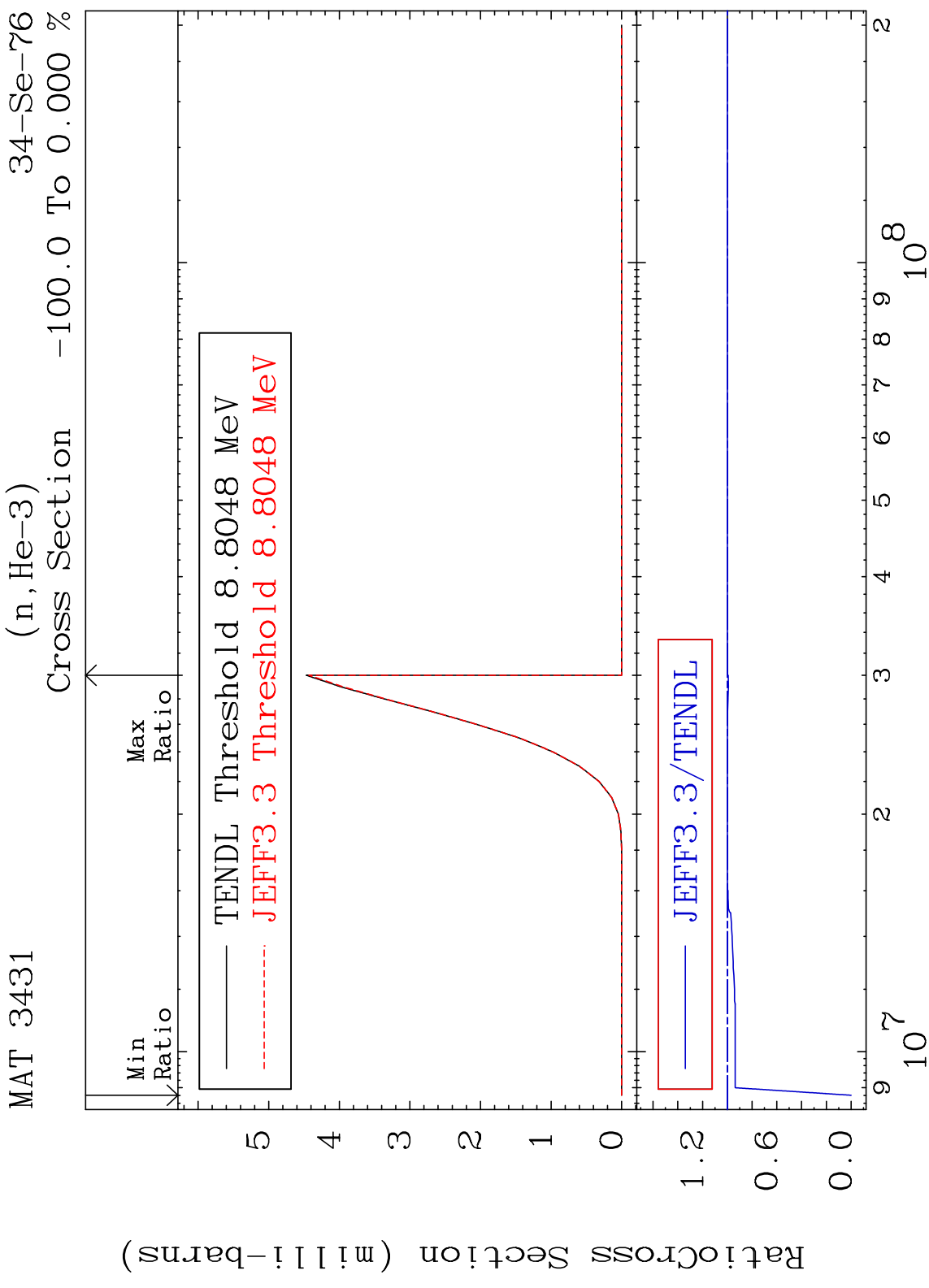
Incident Energy (eV)

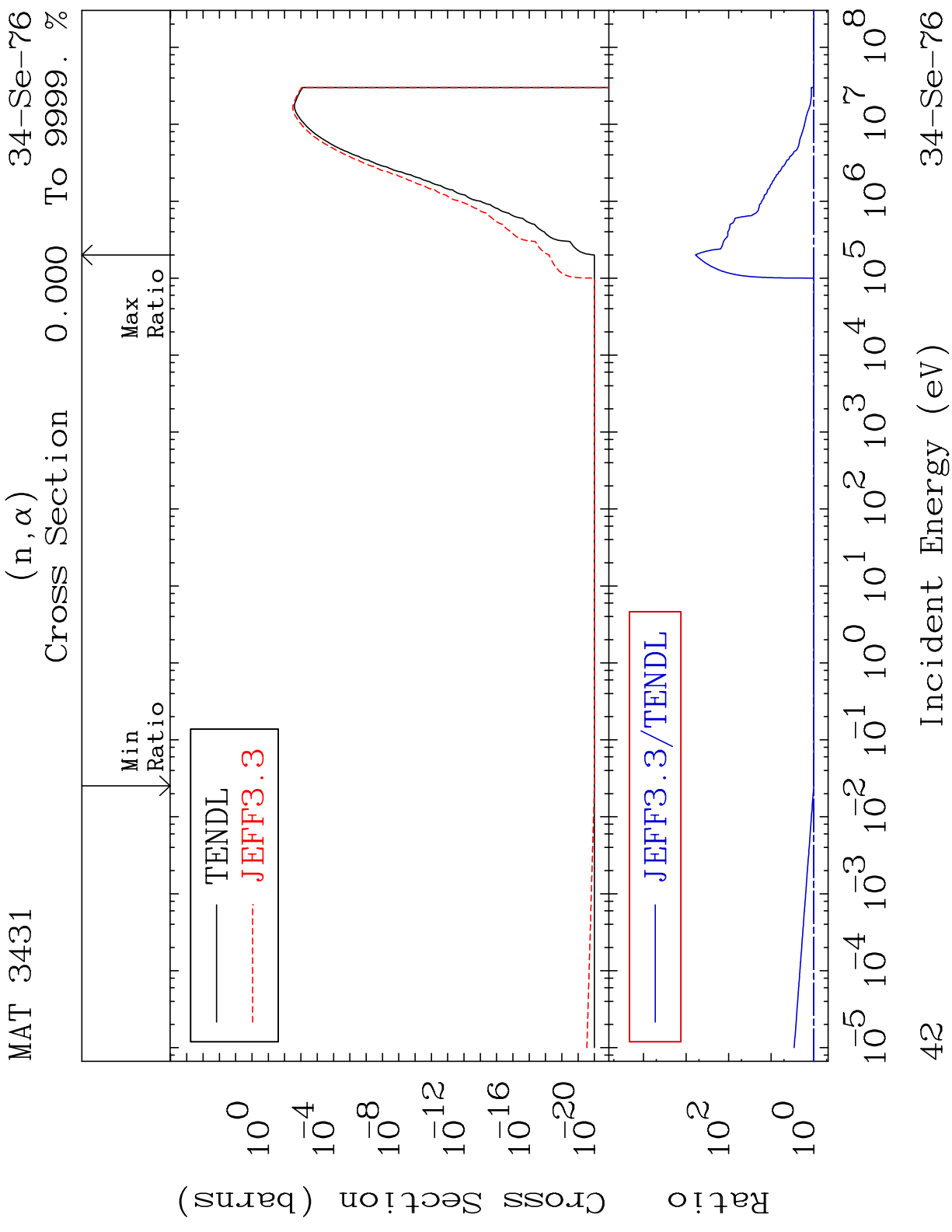
³⁴Se-76

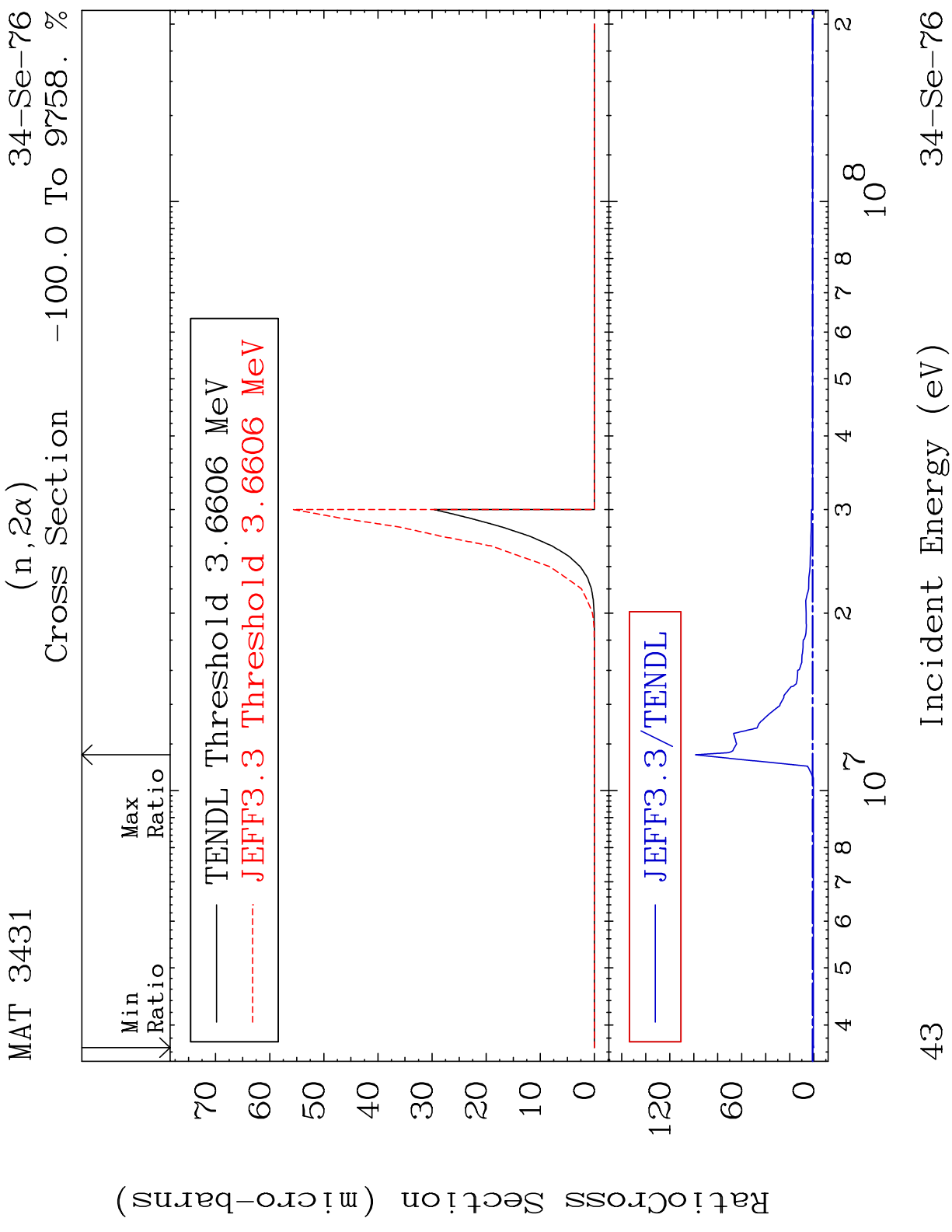


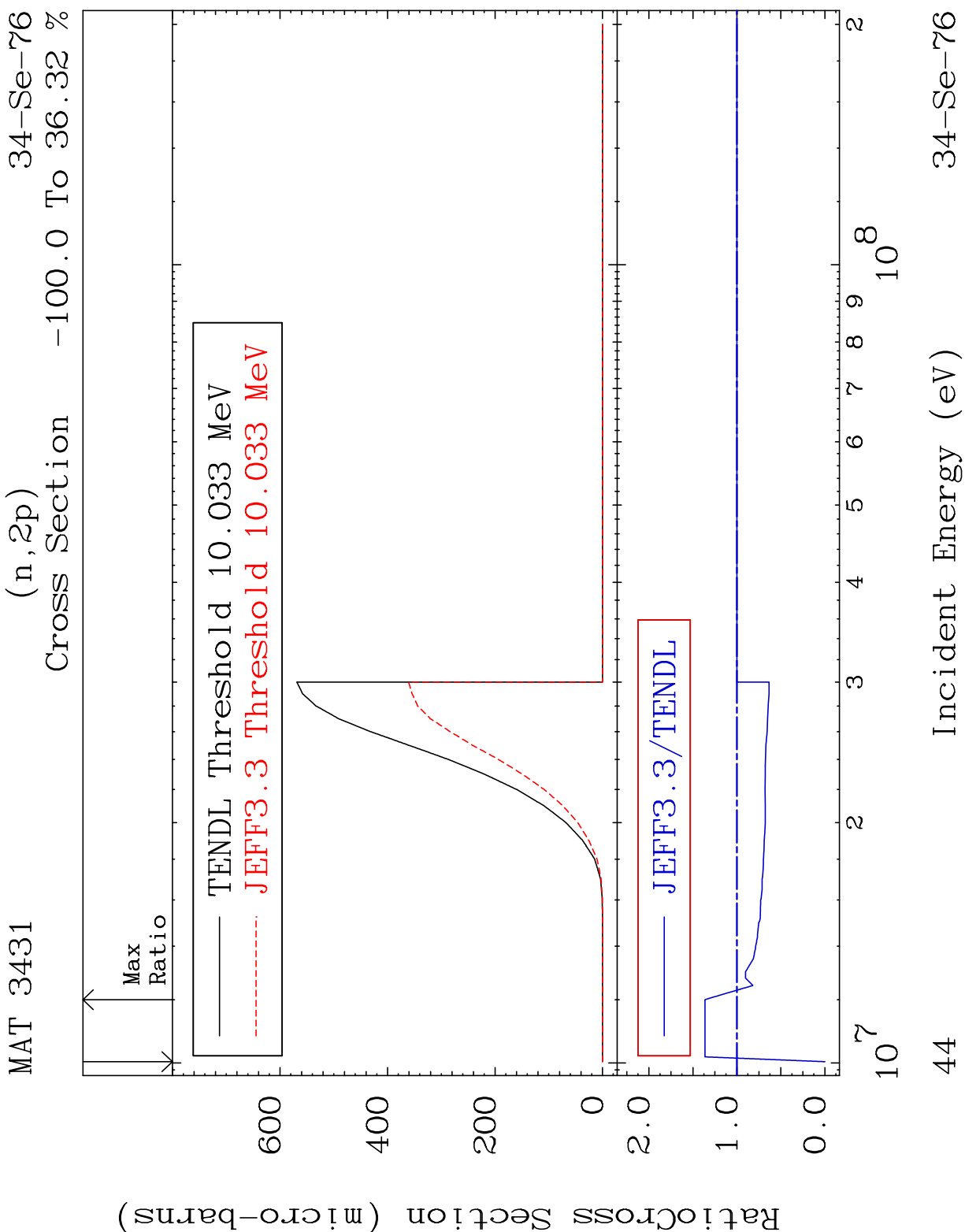










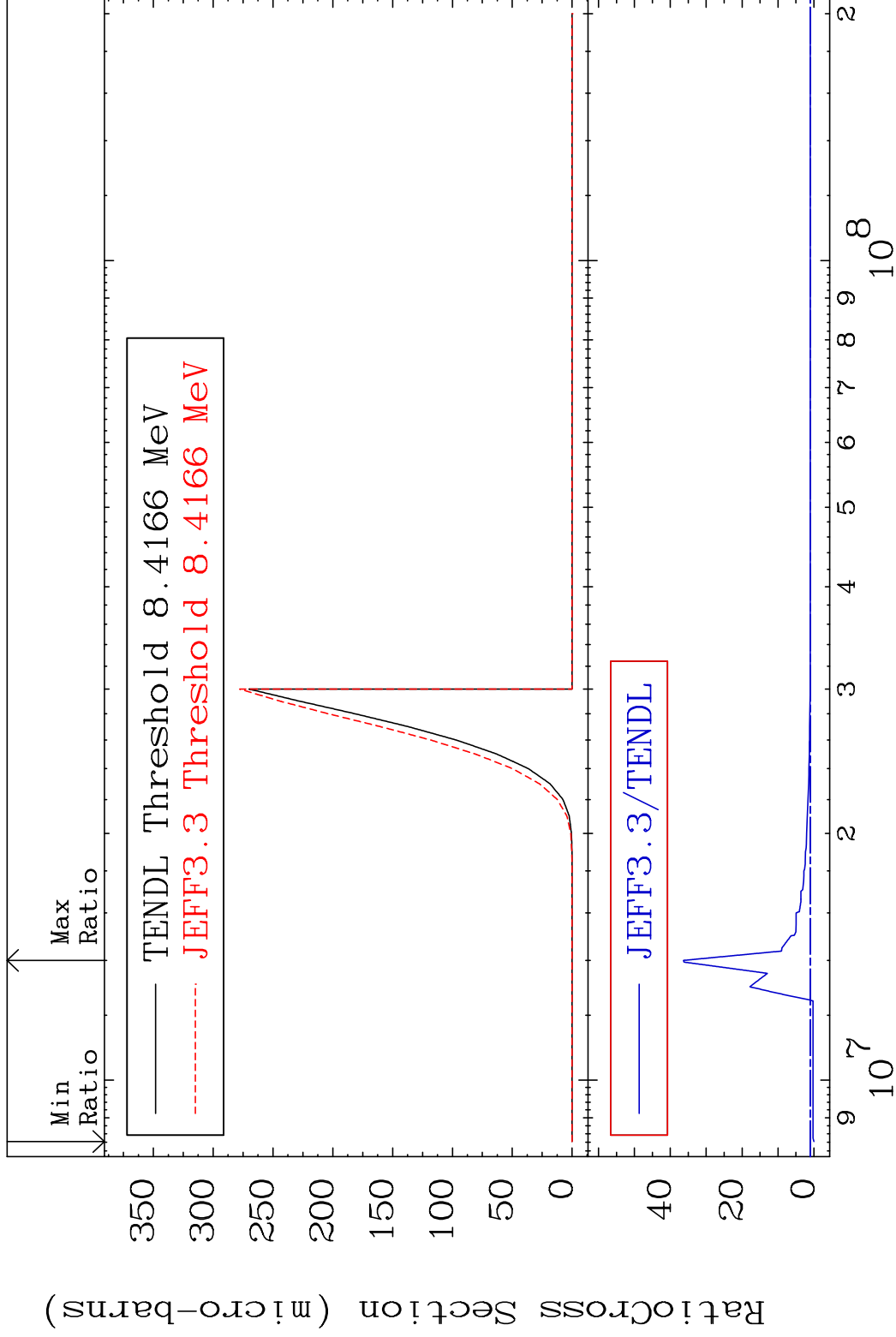


MAT 3431

(n,p) α

³⁴Se-76

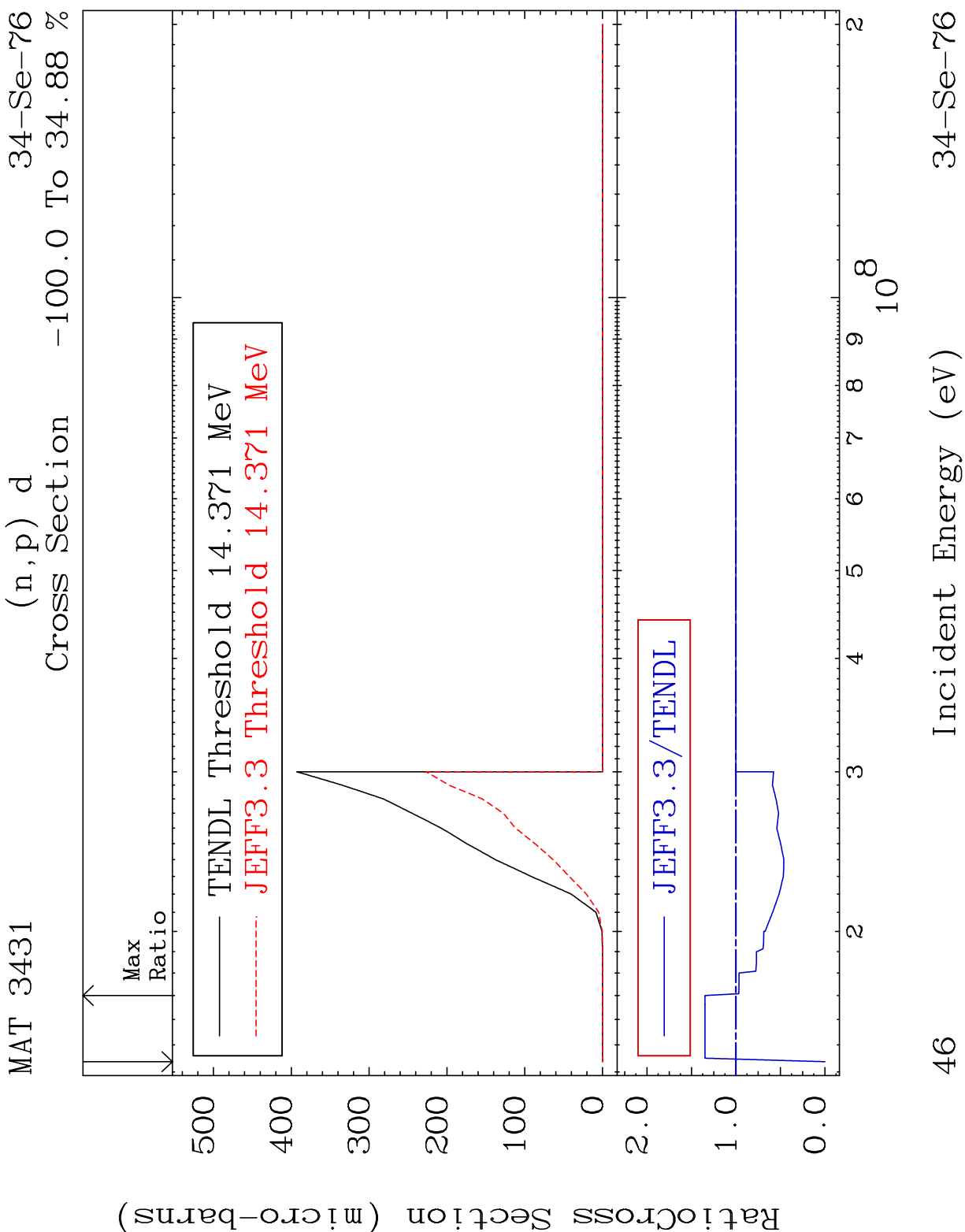
Cross Section -100.0 To 3534. %

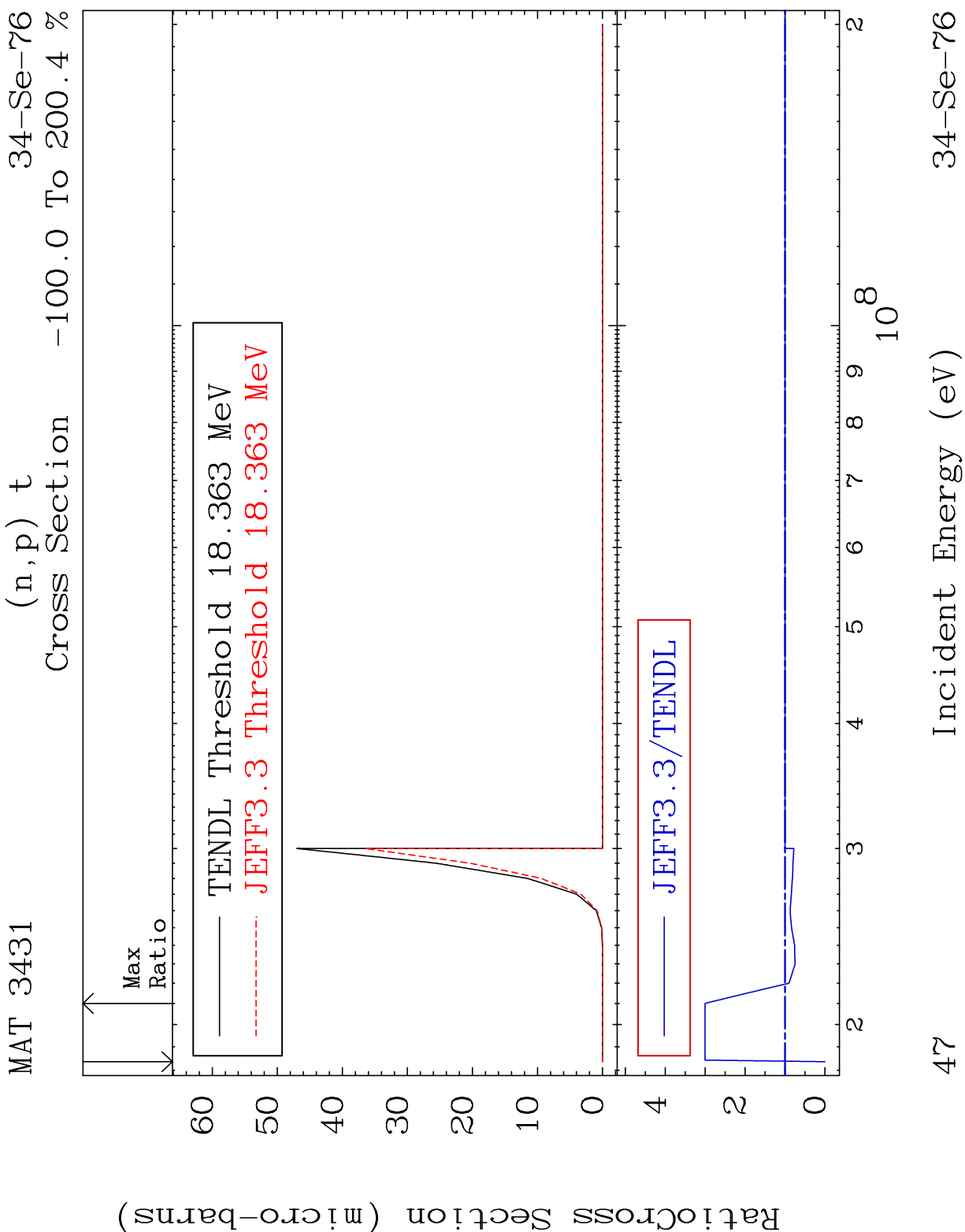


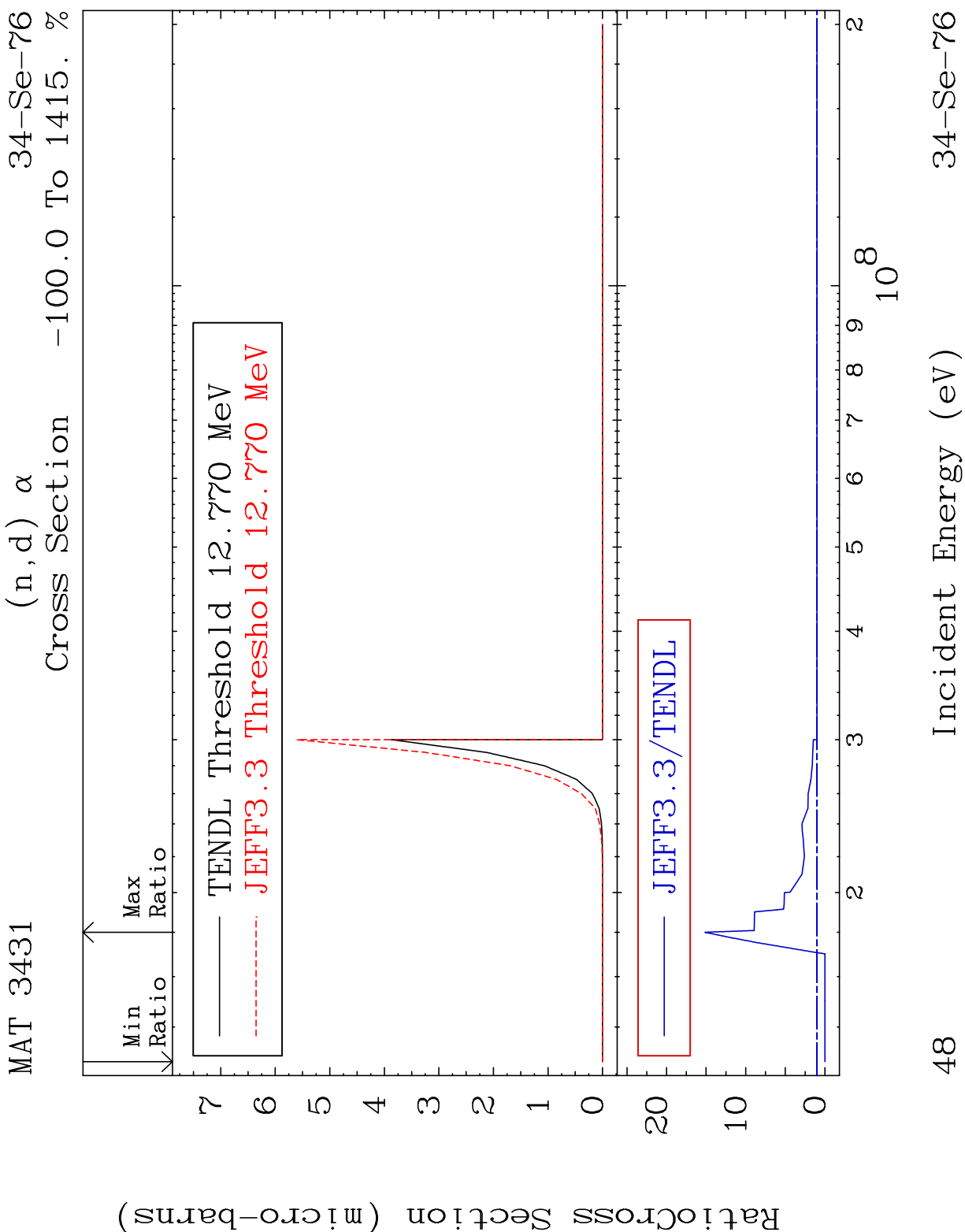
45

Incident Energy (eV)

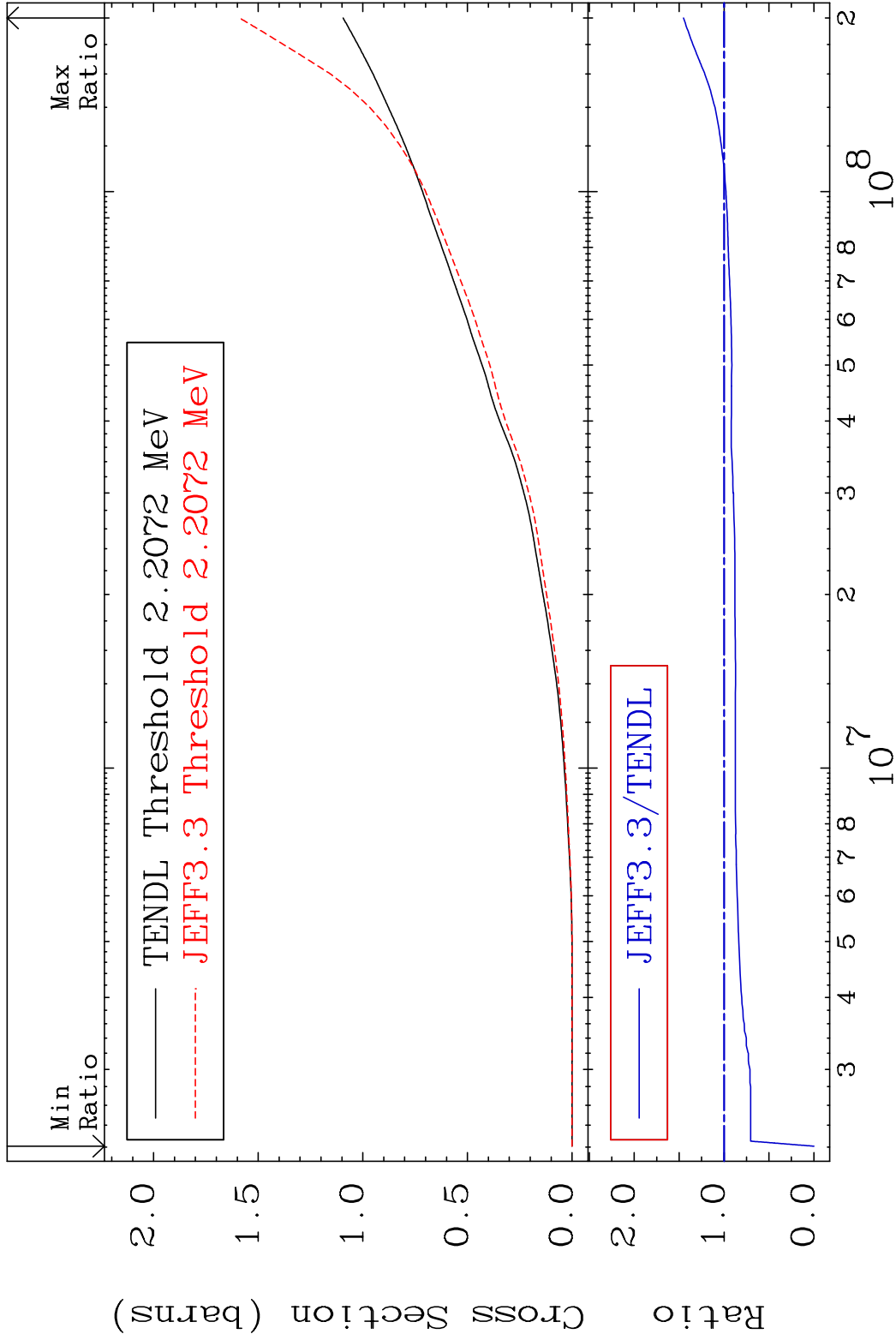
³⁴Se-76





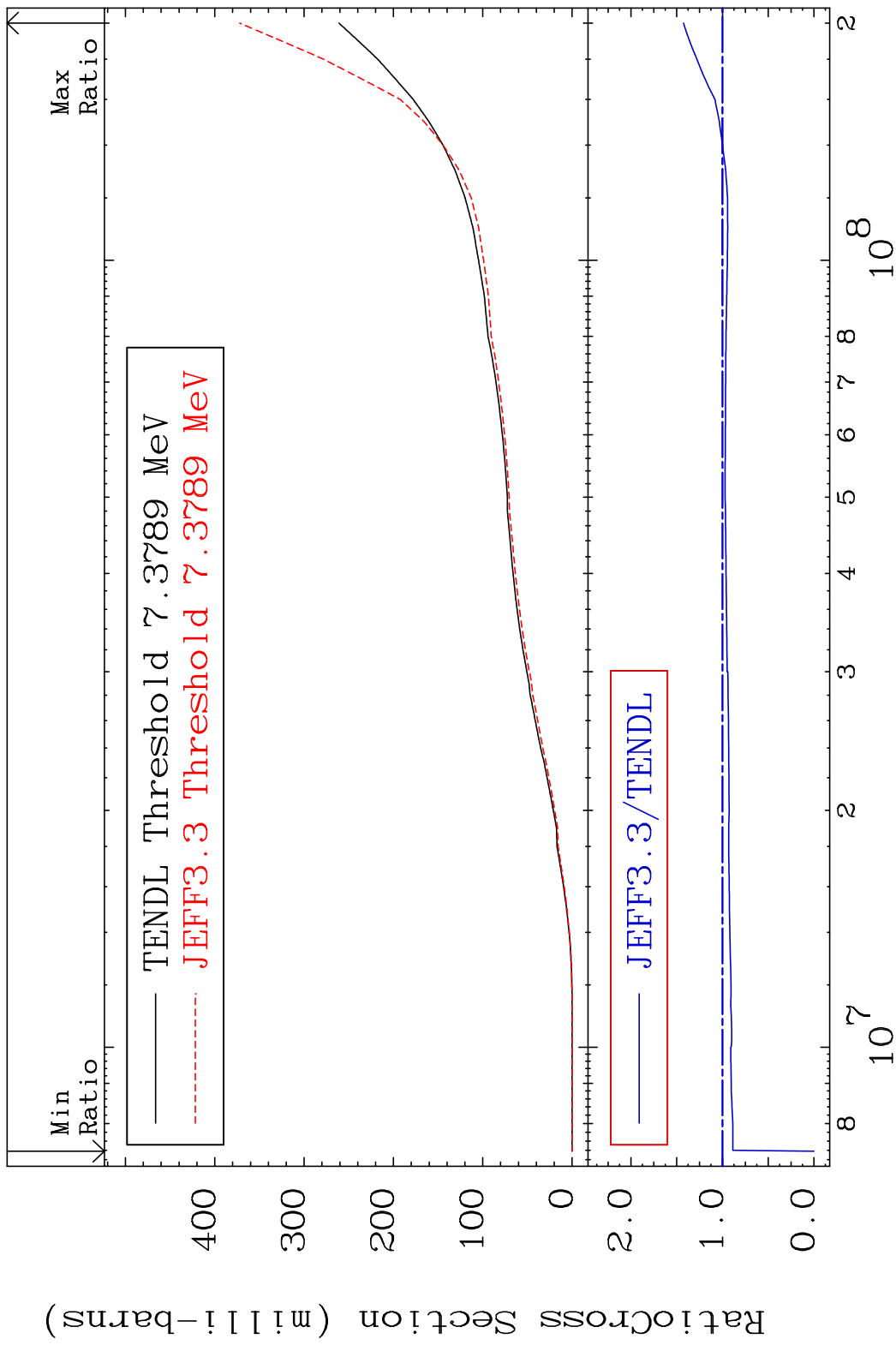


MAT 3431 Hydrogen Production 34-Se-76
 Cross Section -100.0 To 45.22 %



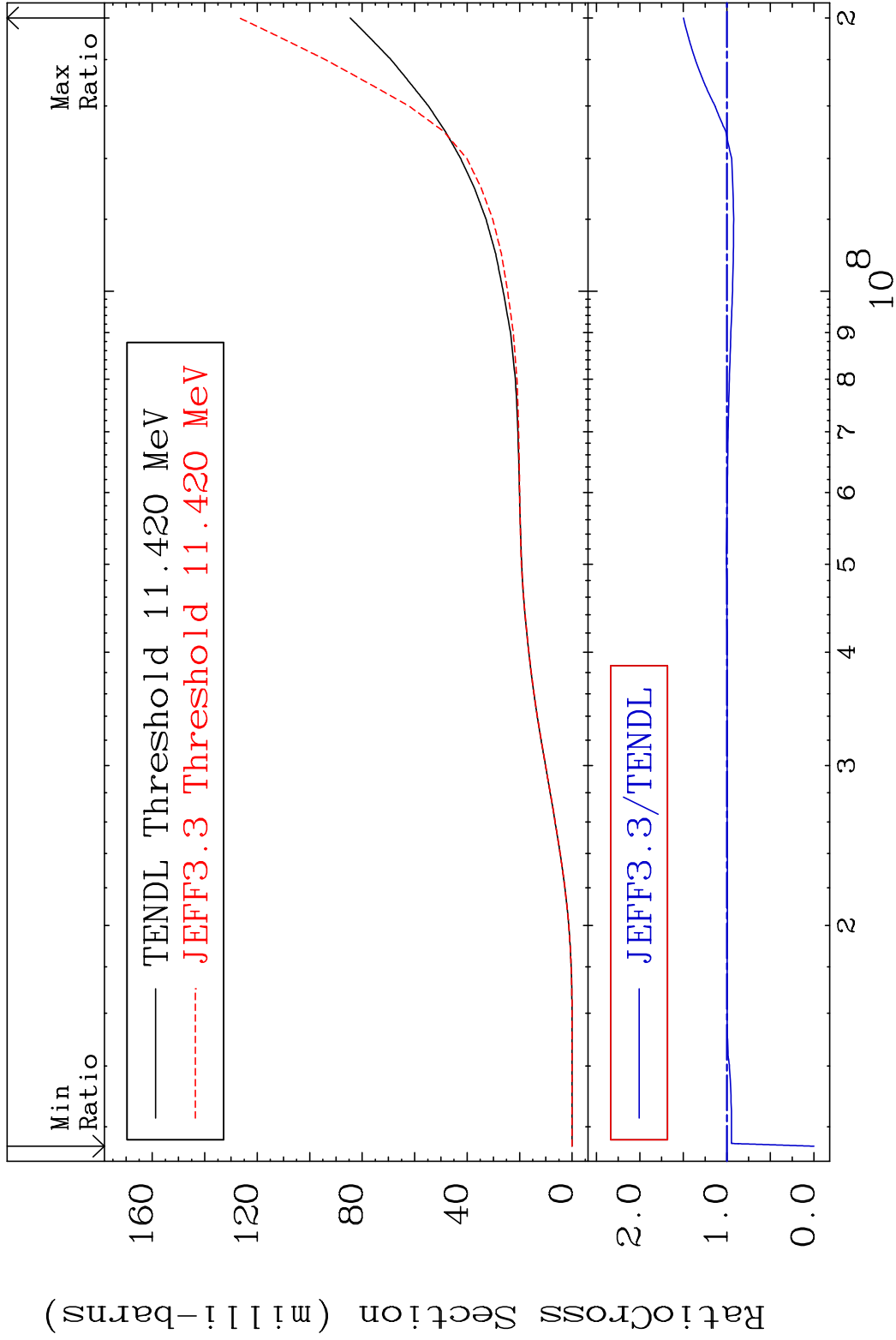
49 34-Se-76

MAT 3431 Deuterium Production ³⁴Se-76
 Cross Section -100.0 To 42.63 %



50 34-⁷⁶Se

MAT 3431 Tritium Production 34-Se-76
 Cross Section -100.0 To 49.90 %



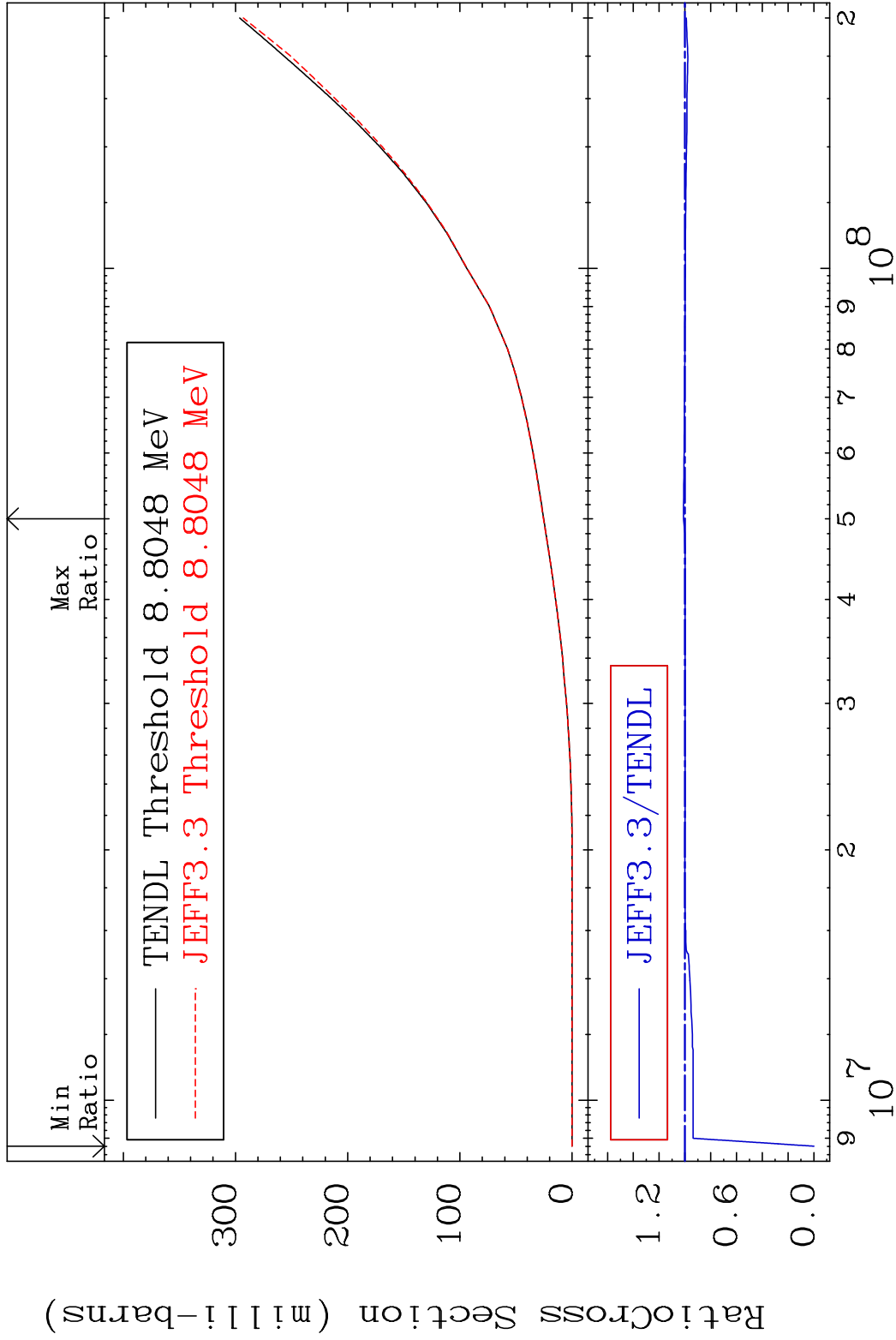
51 Incident Energy (eV) 34-Se-76

MAT 3431

He-3 Production

34-Se-76

Cross Section -100.0 To 1.137 %



52

Incident Energy (eV)

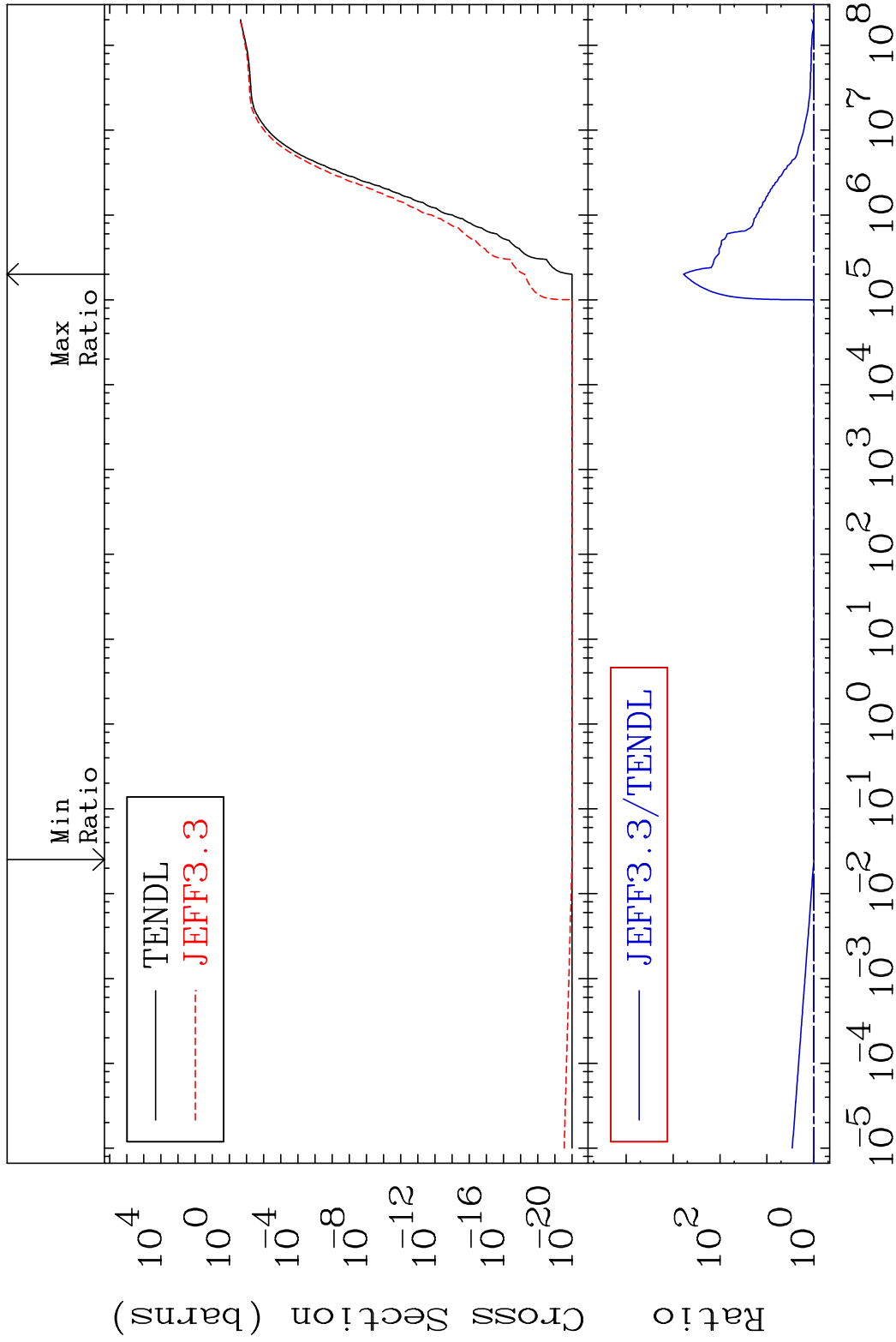
34-Se-76

MAT 3431

He-4 Production

34-Se-76

Cross Section 0.000 To 9999. %

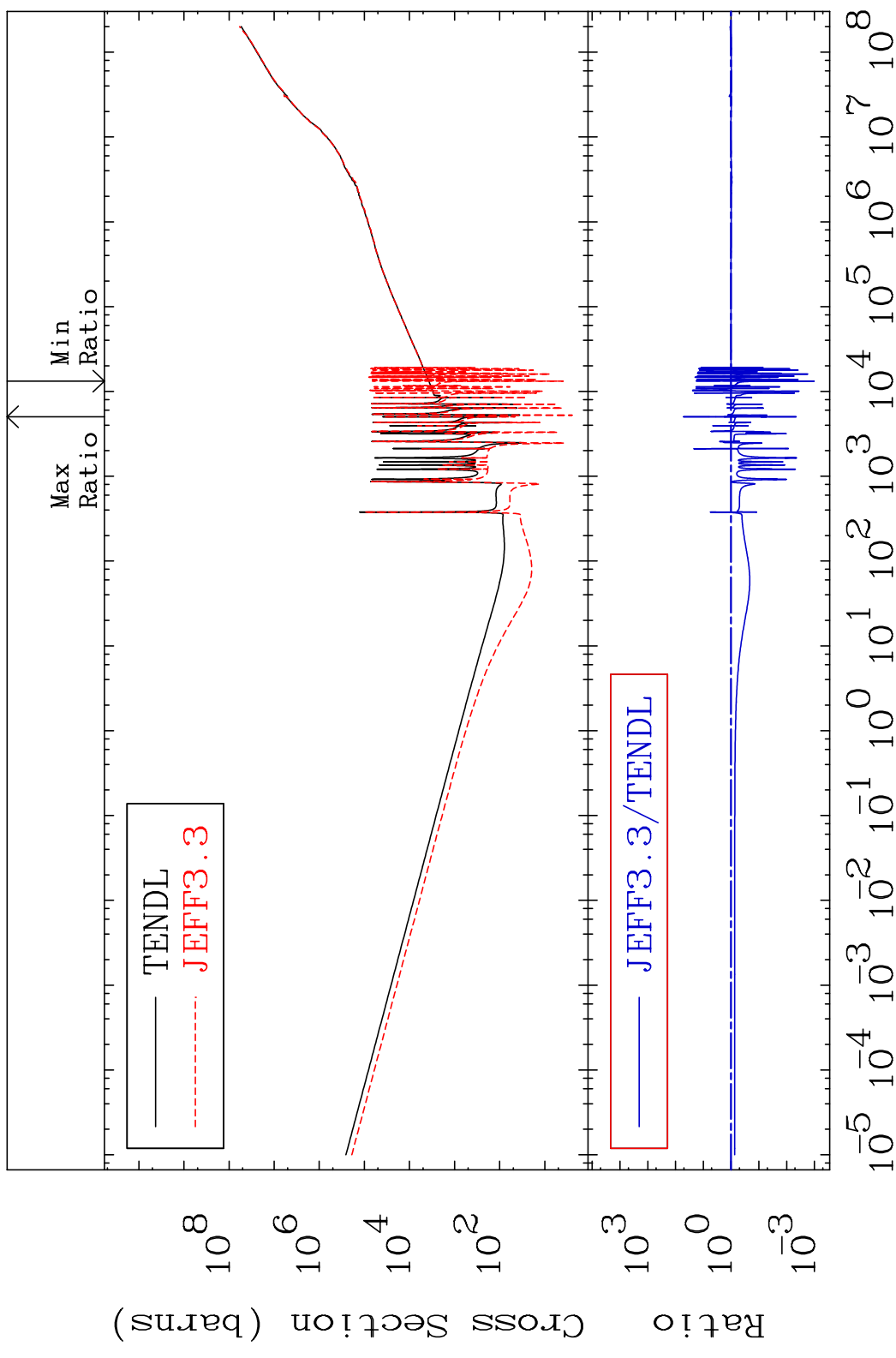


53

Incident Energy (eV)

34-Se-76

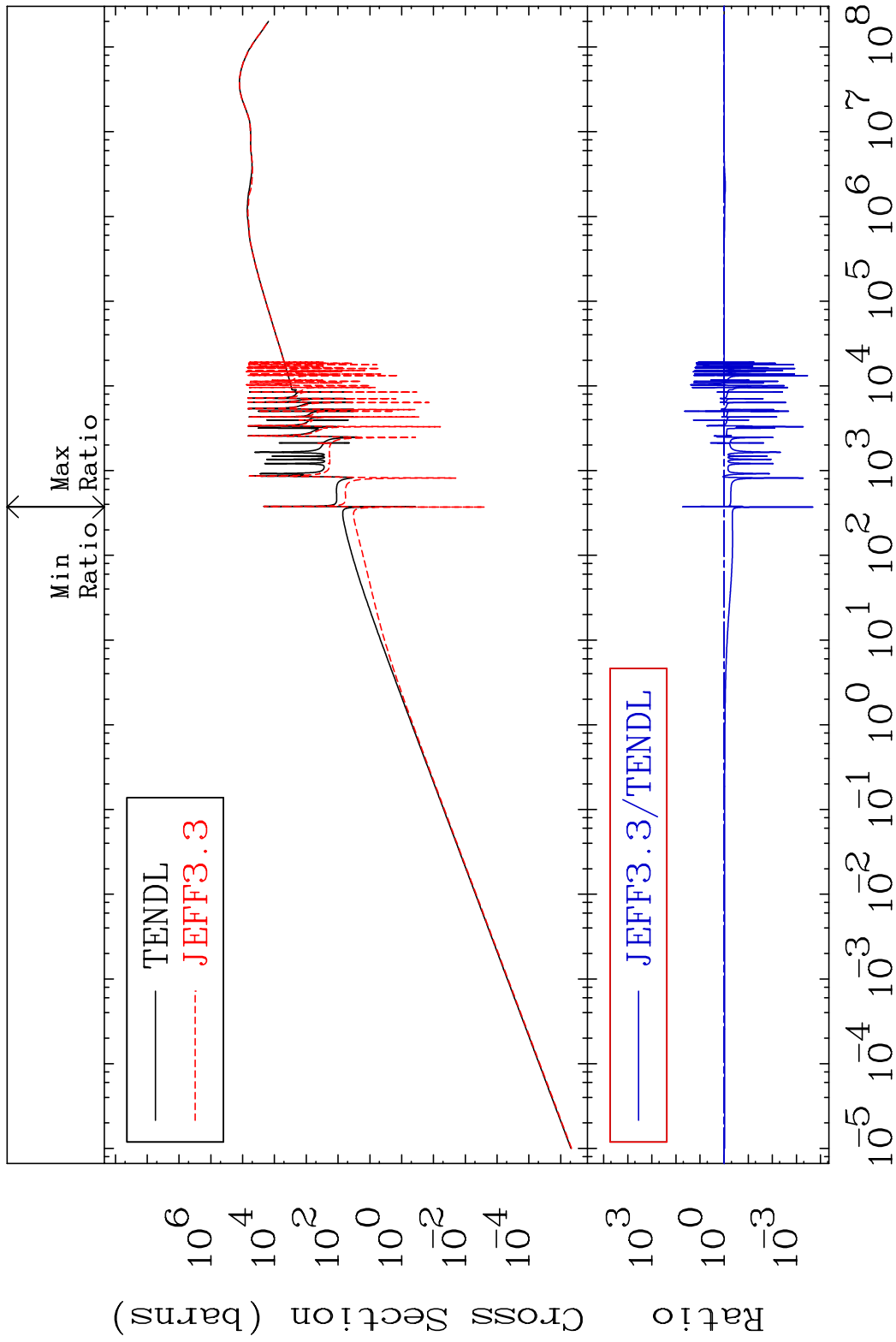
MAT 3431 Kerma total (eV-barns) 34-Se-76
 Cross Section -99.90 To 5086. %



54 Incident Energy (eV) 34-Se-76

MAT 3431

Kerma elastic Cross Section -99.98 To 5099. %
34-Se-76

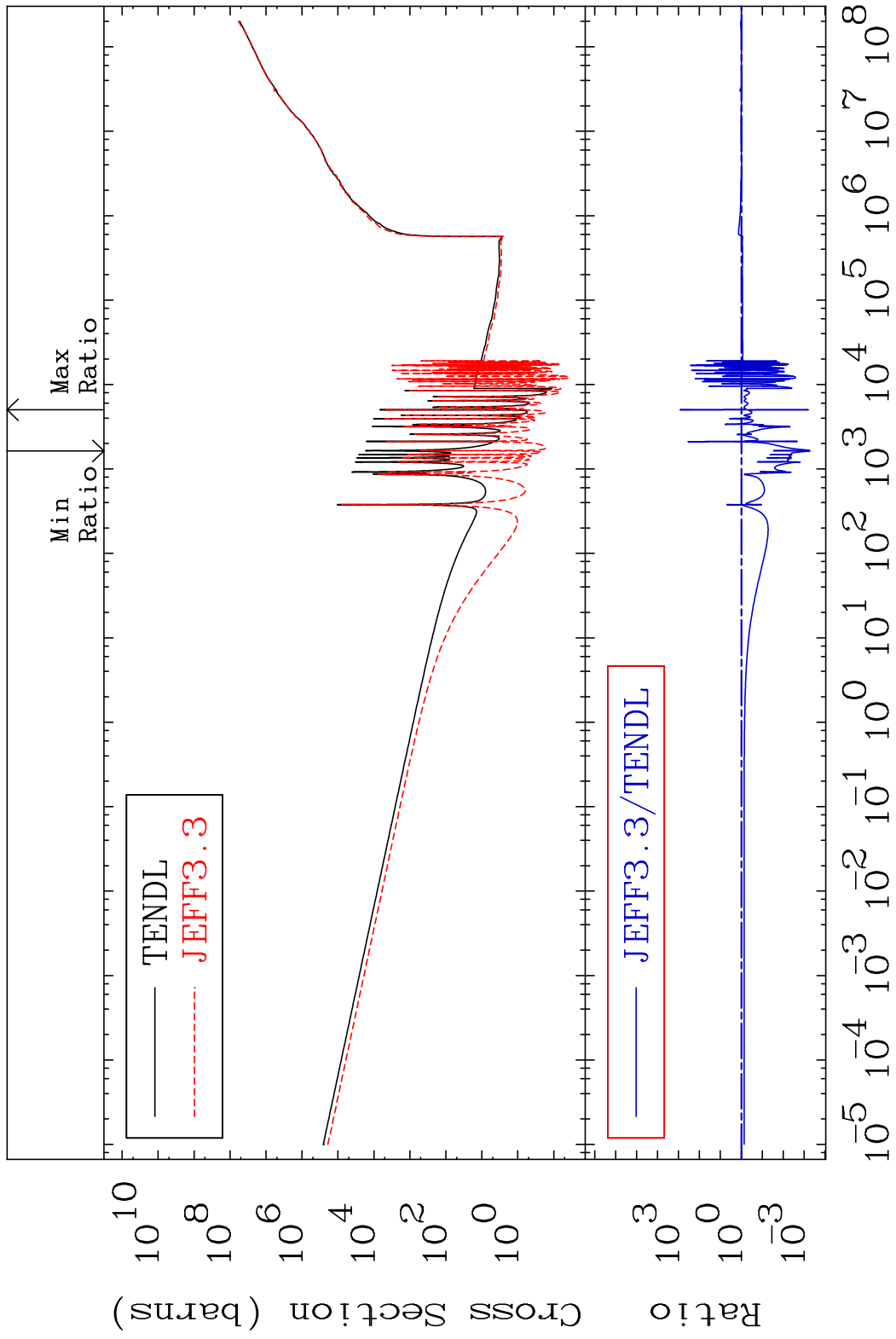


55

Incident Energy (eV)

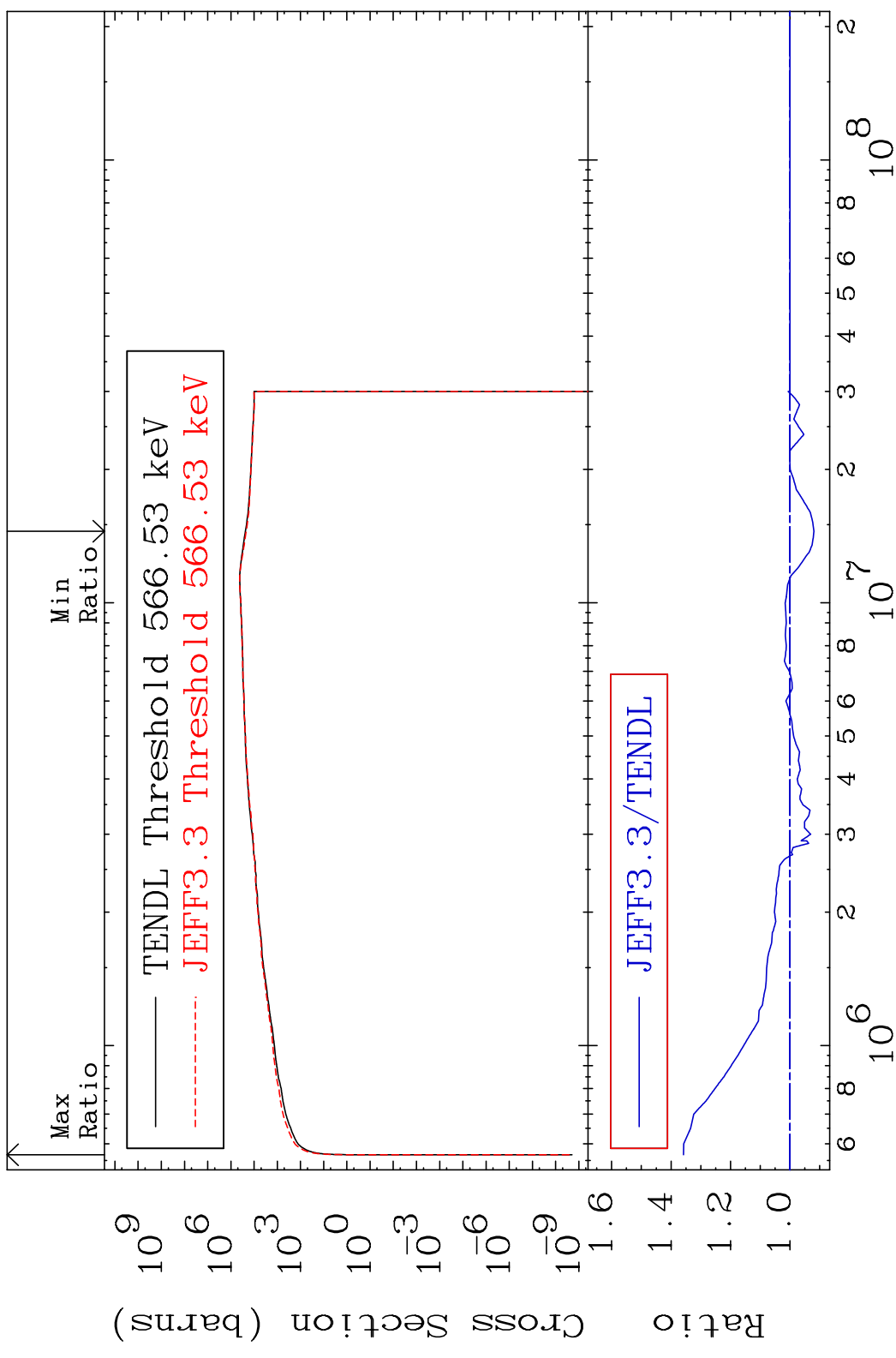
34-Se-76

MAT 3431 Kerma non-elastic (all but mt2) 34-Se-76
 Cross Section -99.95 To 9999. %

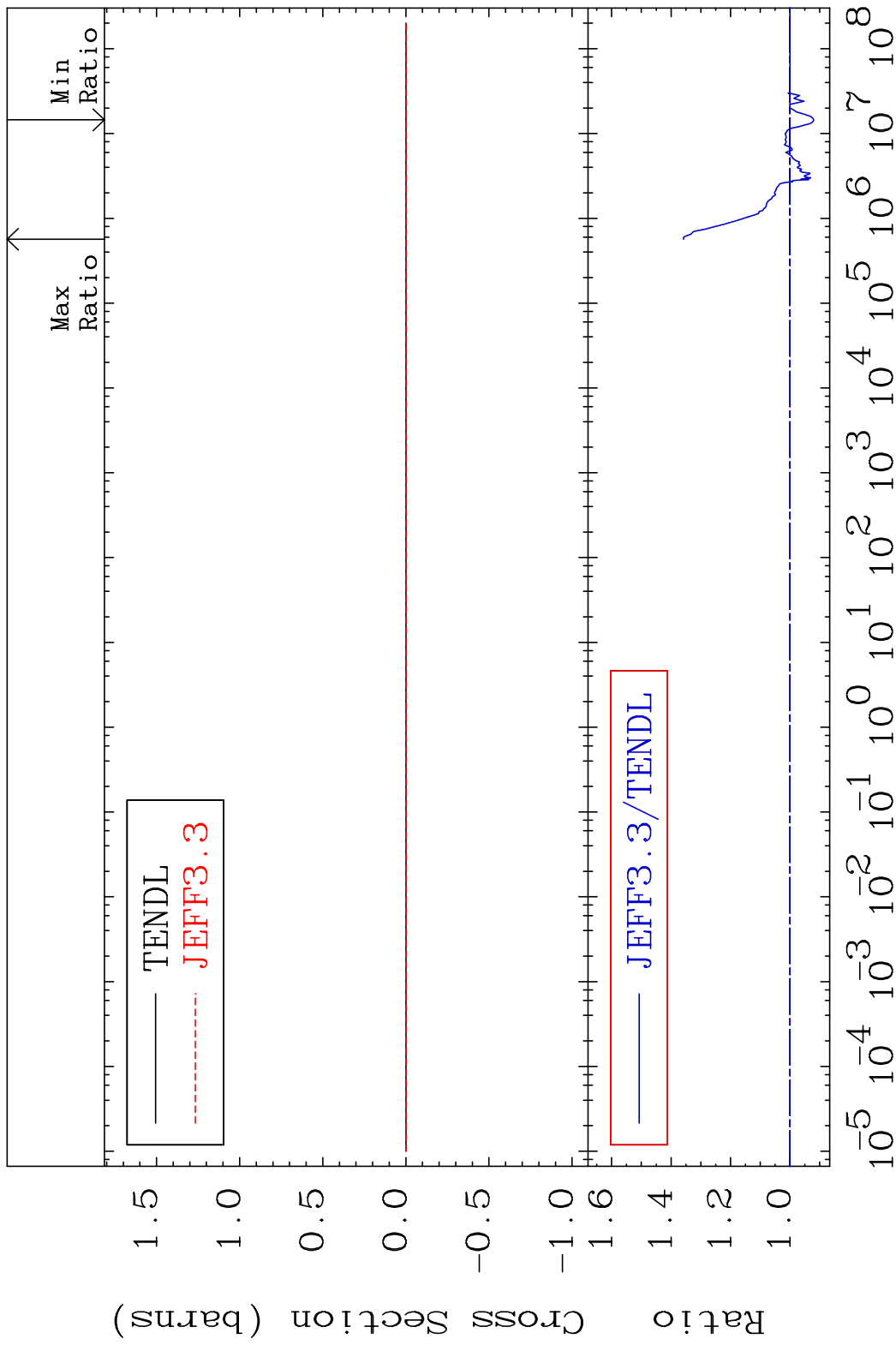


56 Incident Energy (eV) 34-Se-76

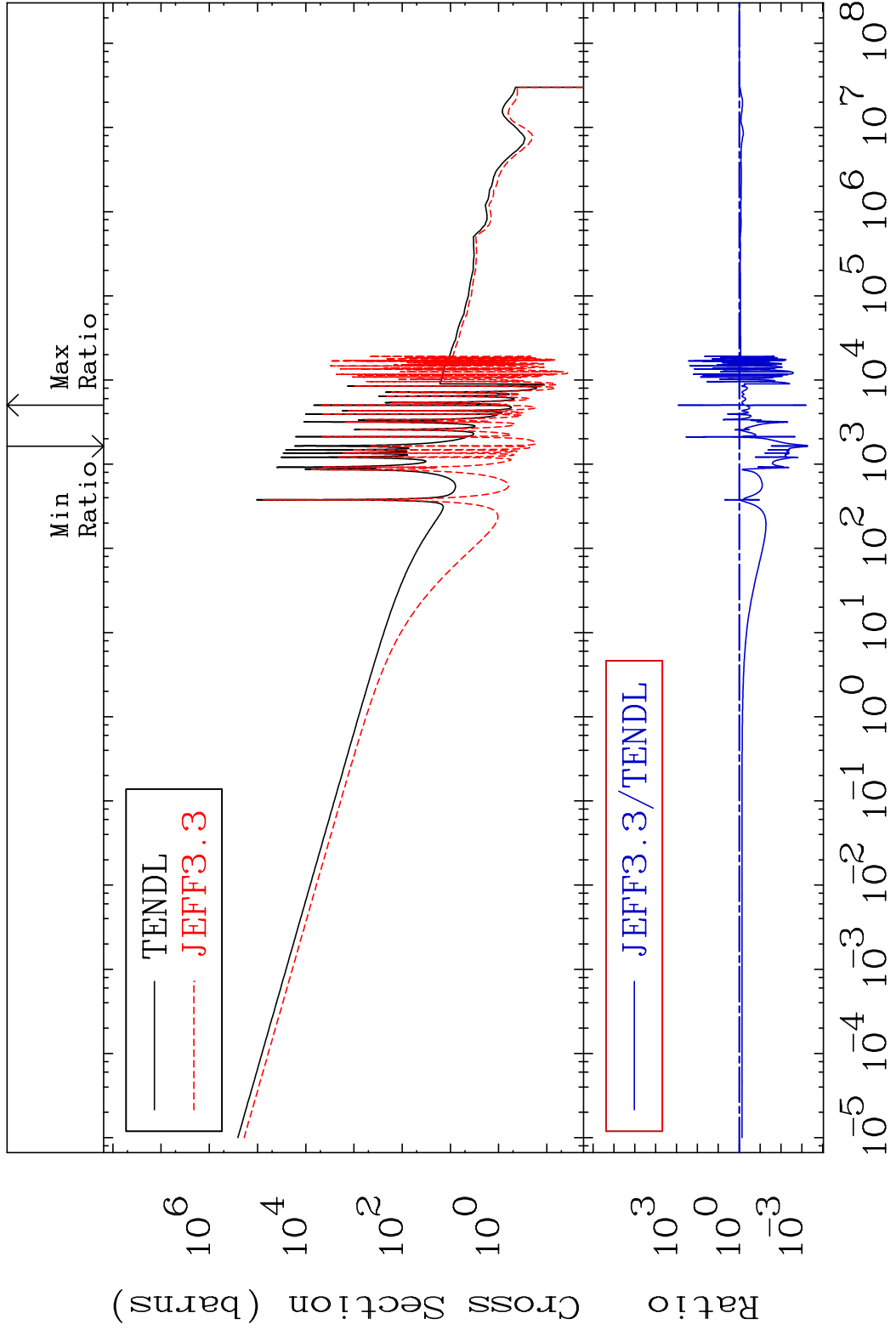
MAT 3431 Kerma inelastic (mt51-91) 34-Se-76
 Cross Section -8.030 To 35.83 %



MAT 3431 Kerma fission (mt18 or mt19-20-21-38) 34-Se-76
 Cross Section -8.030 To 35.83 %

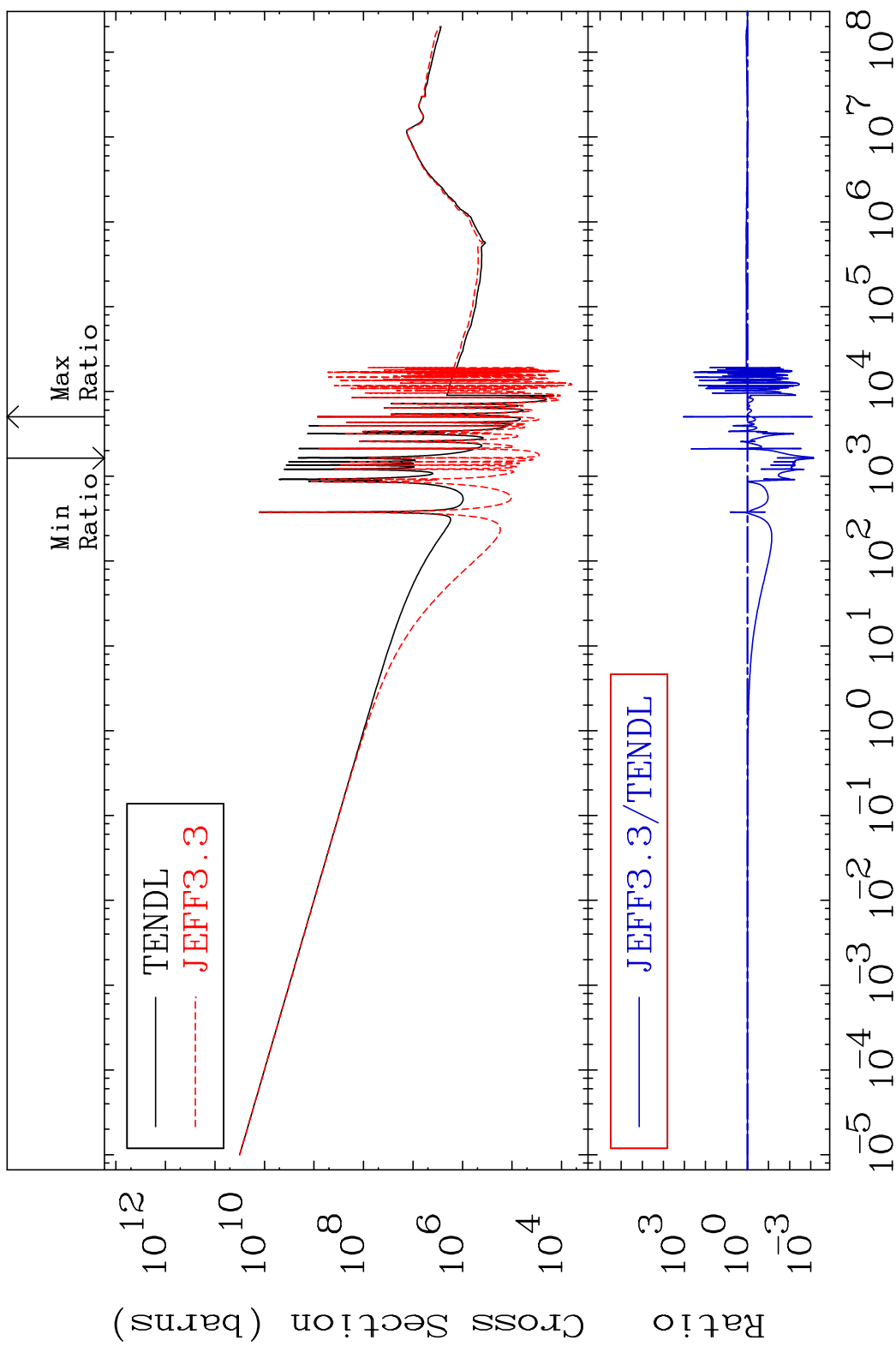


MAT 3431 Kerma capture (mt102) 34-Se-76
 Cross Section -99.95 To 9999. %



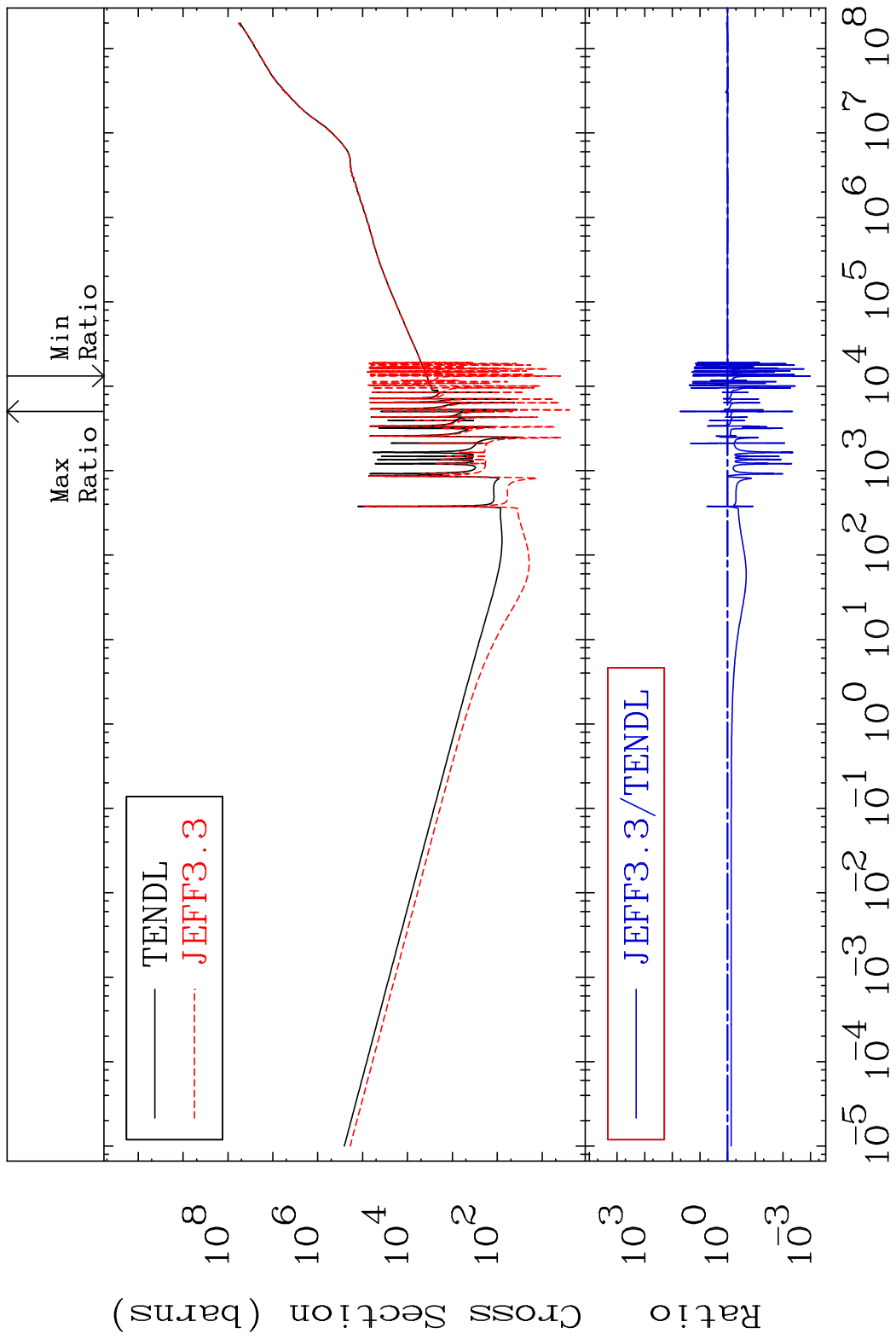
59 Incident Energy (eV) 34-Se-76

MAT 3431 Total photon (eV-barns) 34-Se-76
Cross Section -99.93 To 9999. %

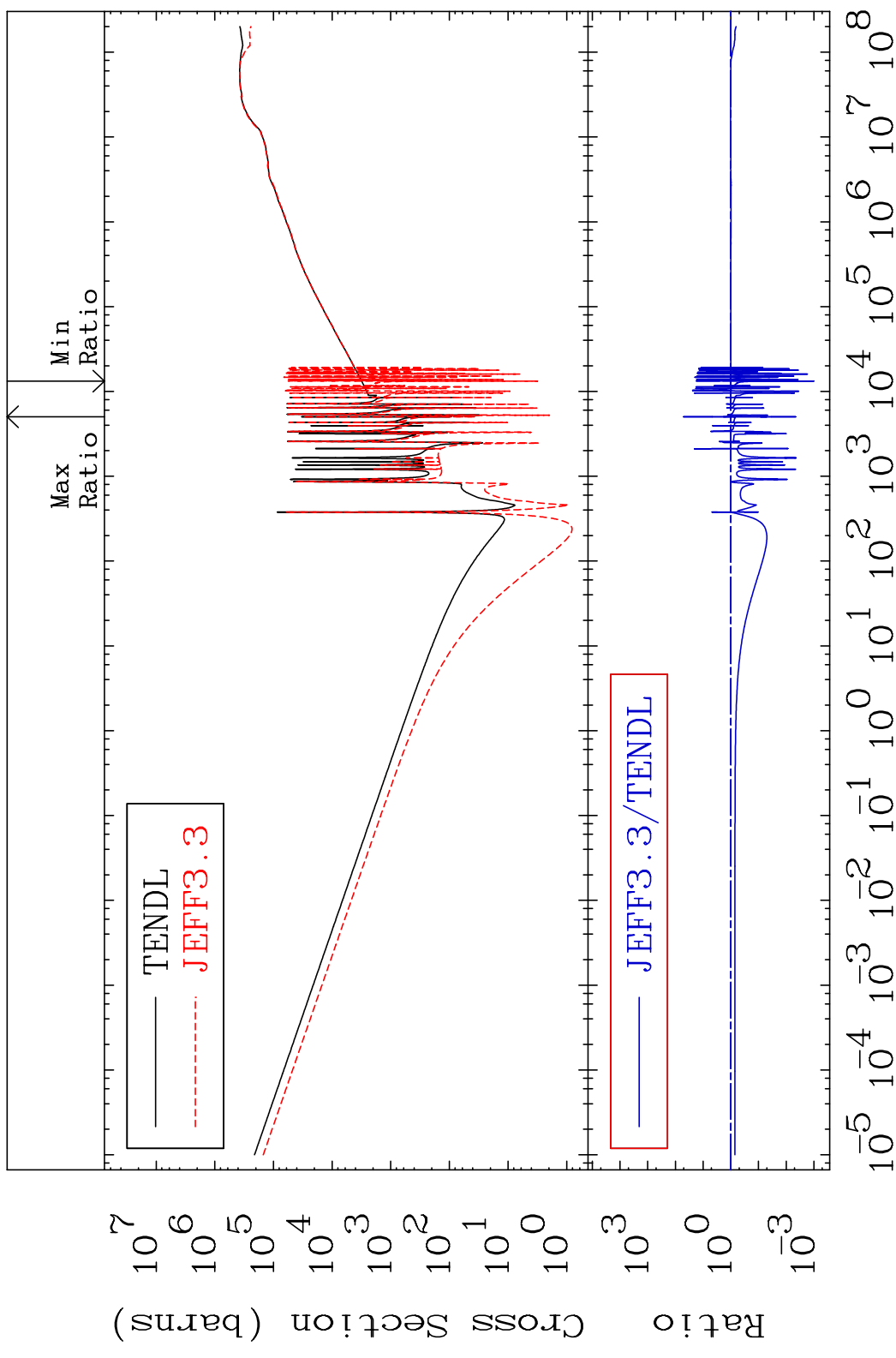


60 Incident Energy (eV) 34-Se-76

MAT 3431 Total kinematic kerma (high limit) 34-Se-76
 Cross Section -99.90 To 5086. %



MAT 3431 Dpa total (eV-barns) 34-Se-76
 Cross Section -99.90 To 5029. %



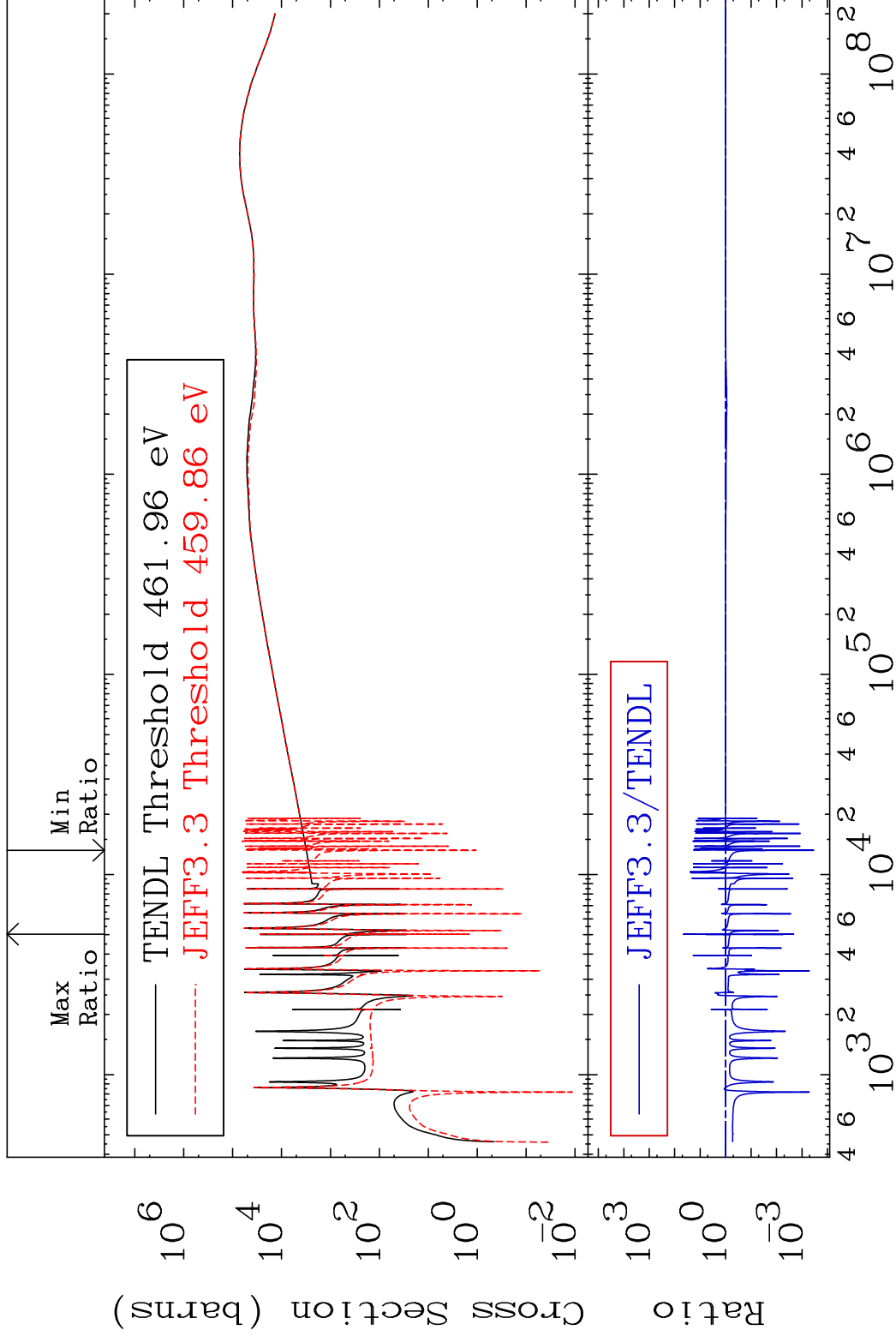
62 Incident Energy (eV) 34-Se-76

MAT 3431

Dpa elastic (mt2)

34-Se-76

Cross Section -99.97 To 4418. %

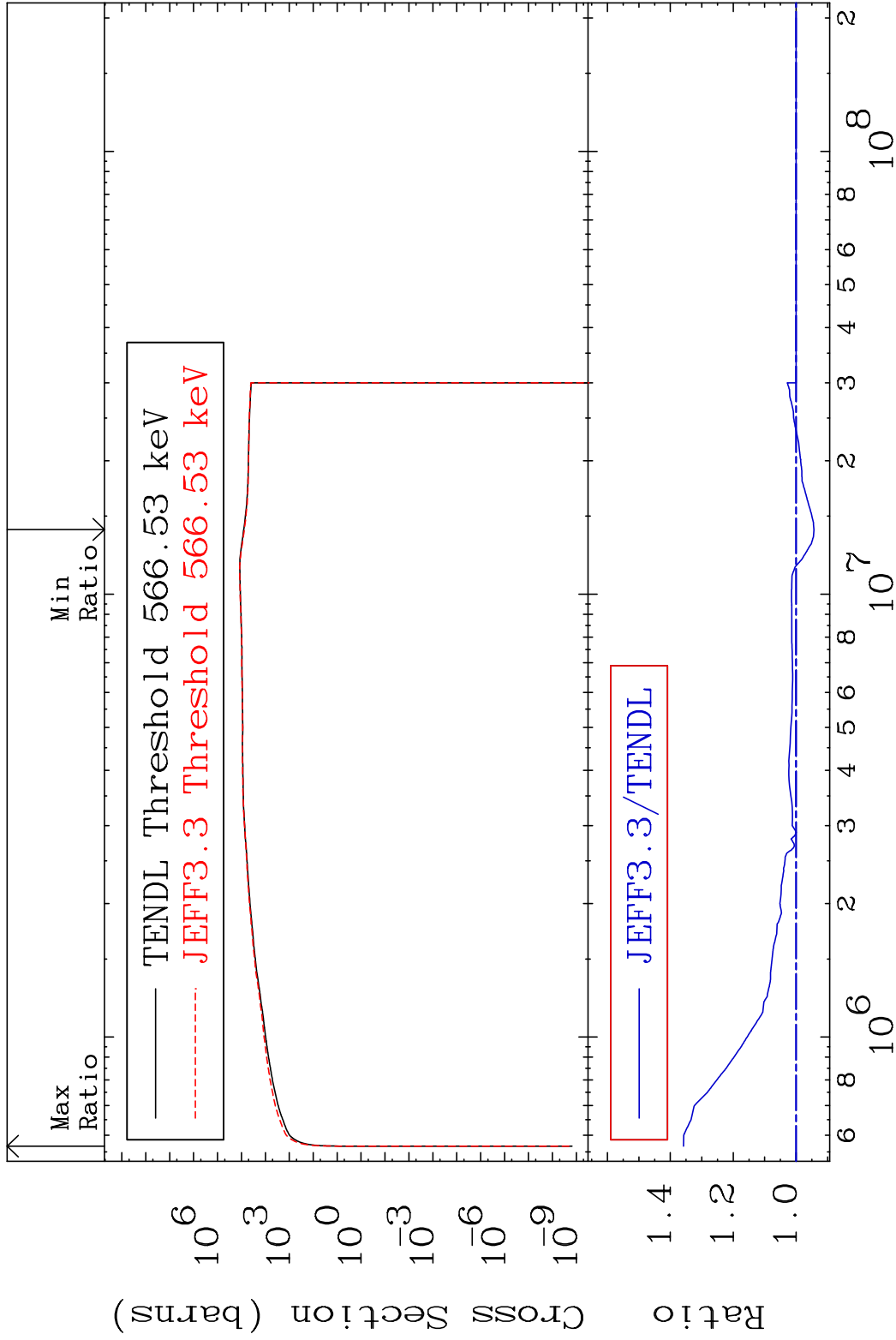


63

Incident Energy (eV)

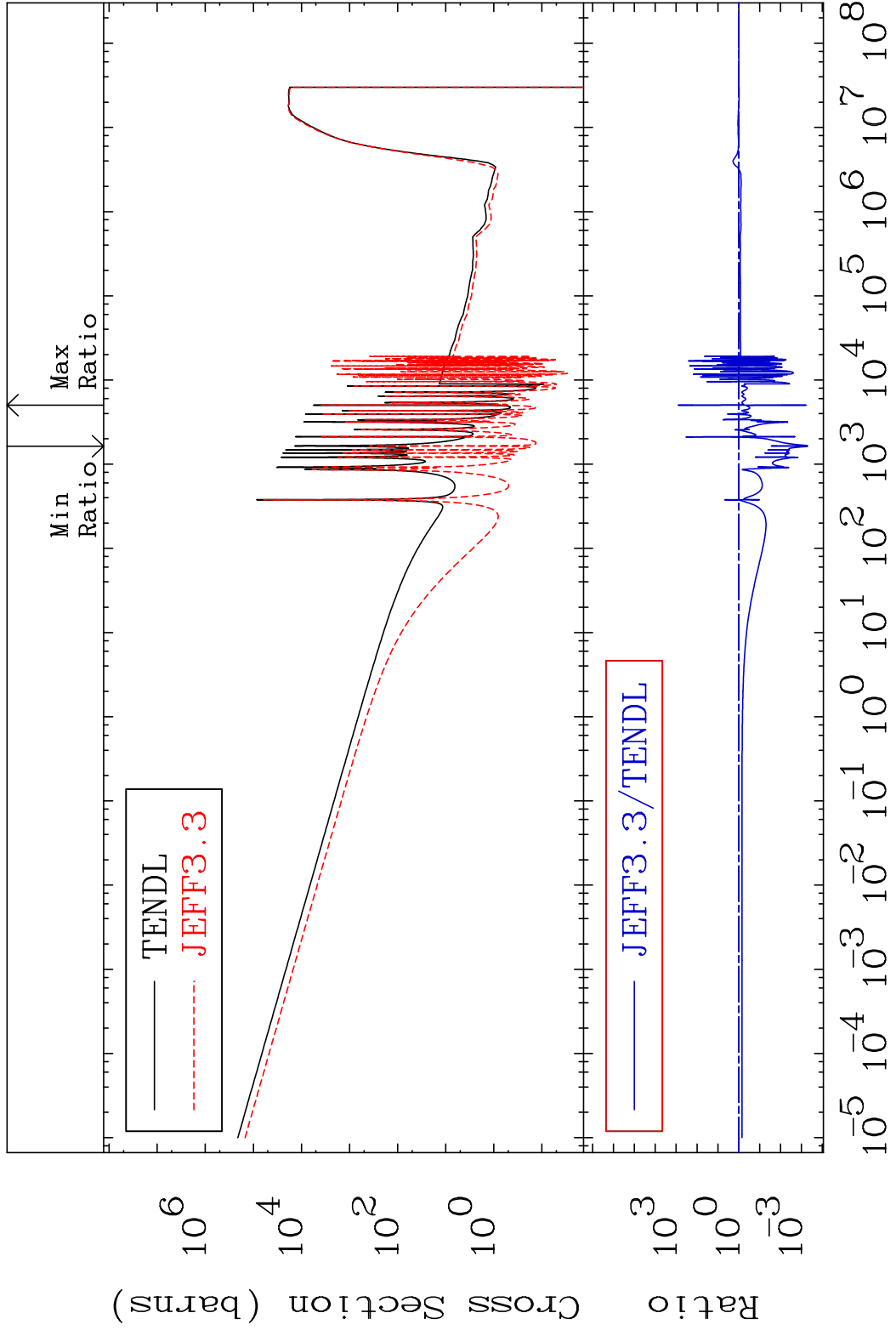
34-Se-76

MAT 3431 Dpa inelastic (mt51-91) ³⁴Se-76
 Cross Section -5.641 To 35.83 %

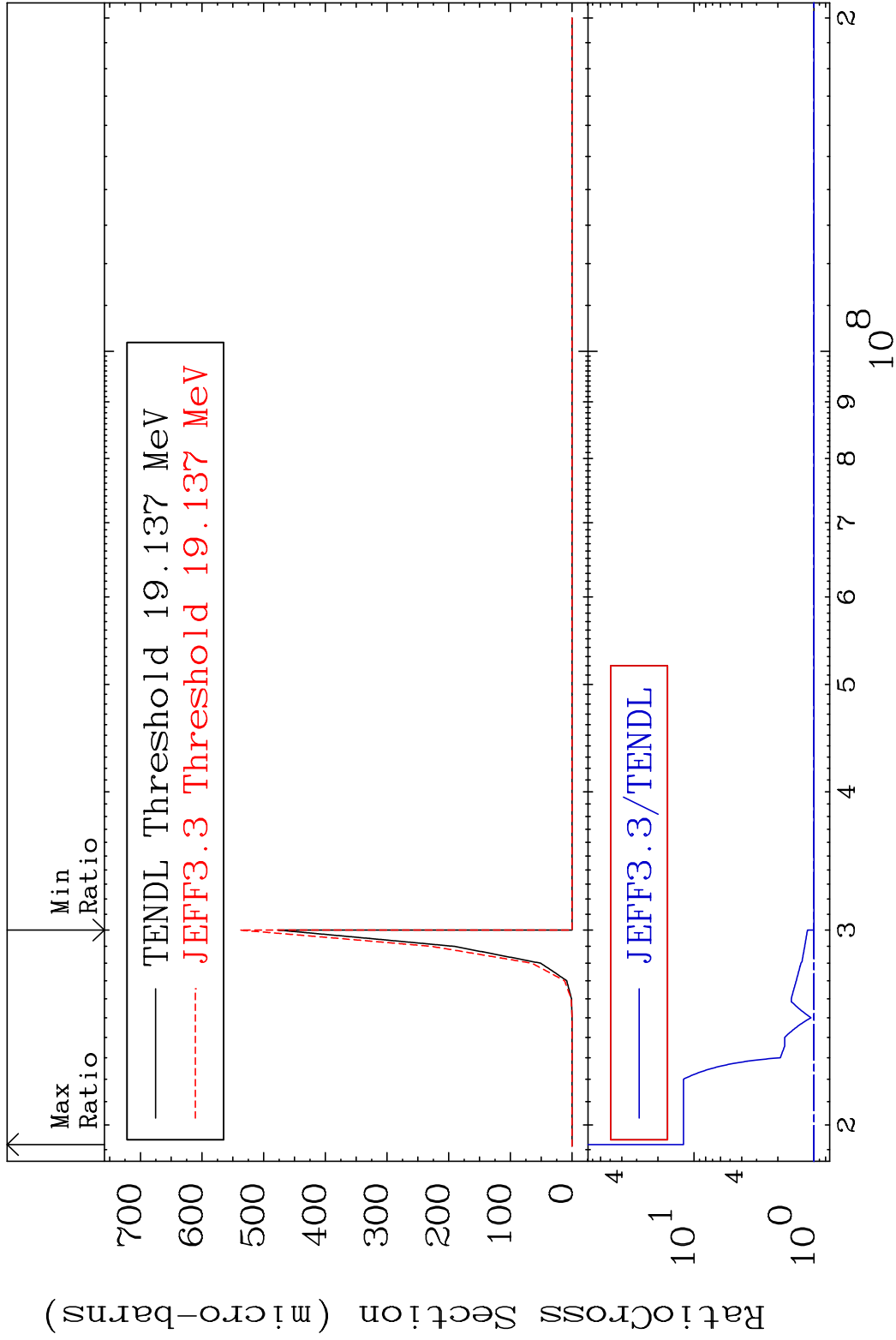


64 Incident Energy (eV) ³⁴Se-76

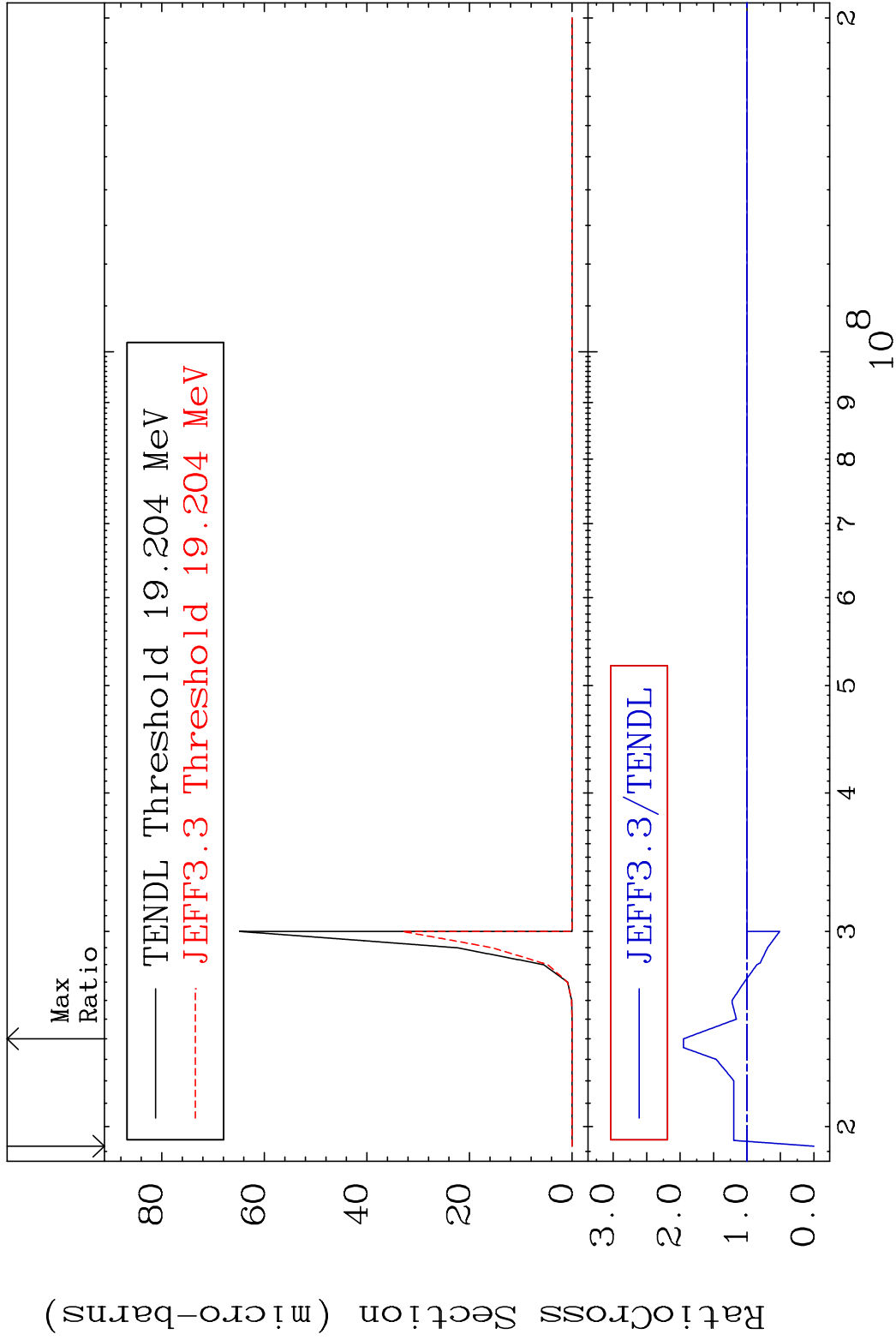
MAT 3431 Dpa disappearance (mt102 -120) 34-Se-76
 Cross Section -99.95 To 9999. %



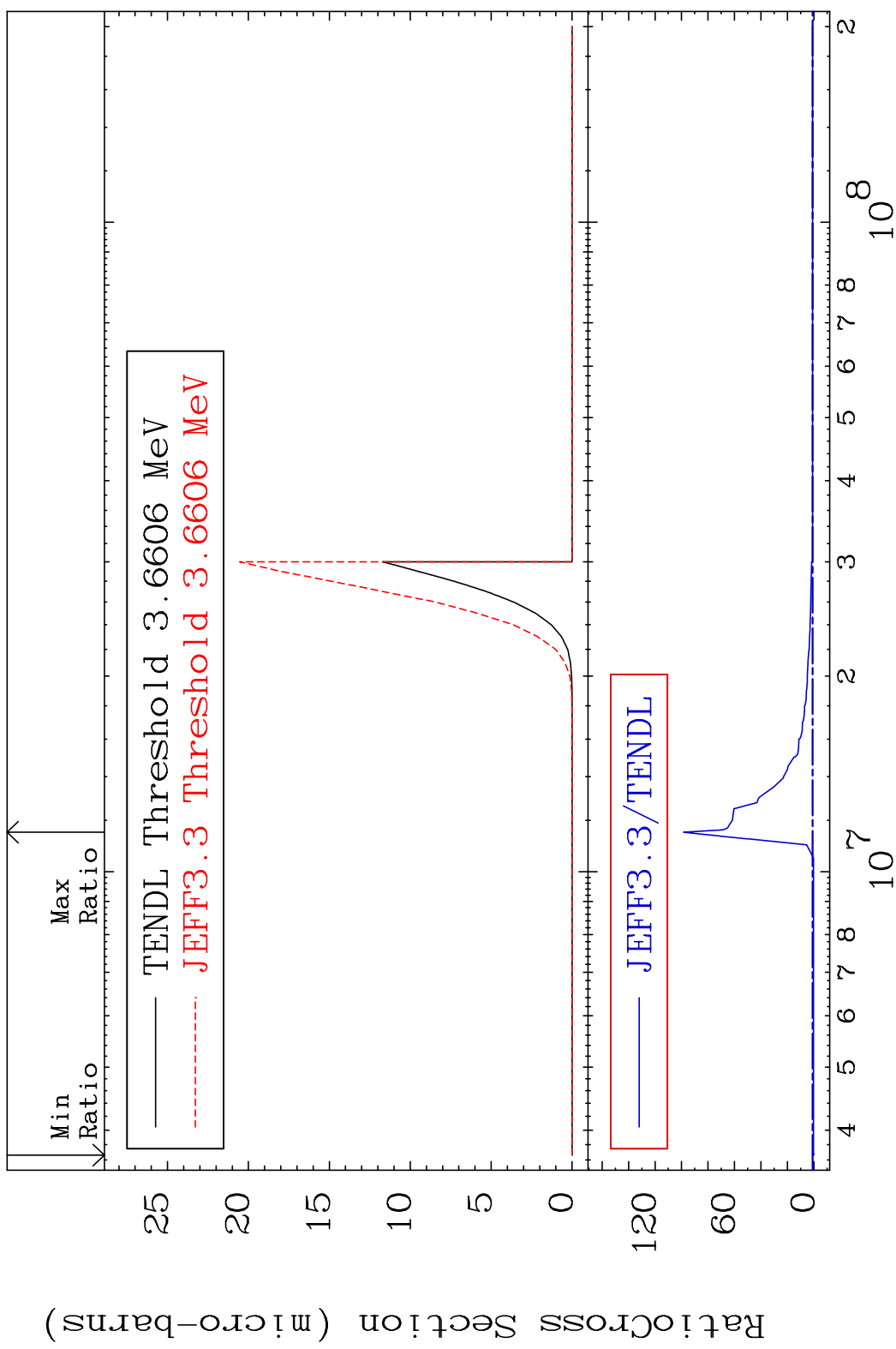
65 Incident Energy (eV) 34-Se-76

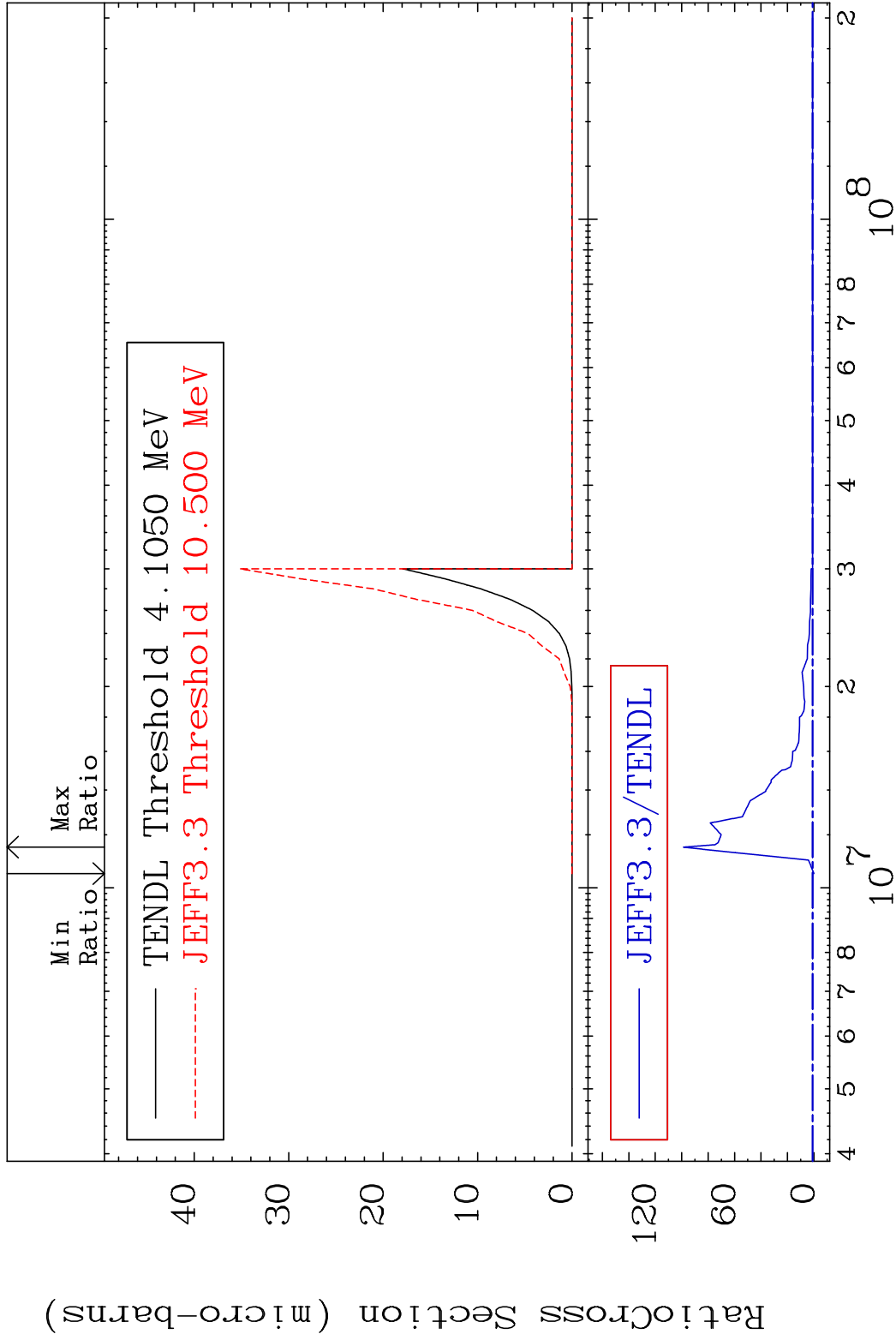


MAT 3431 (n, n') He-3:32-Ge-73m2 34-Se-76
 Radionuclide Production Cross Section 180000 dpo 95.00 %

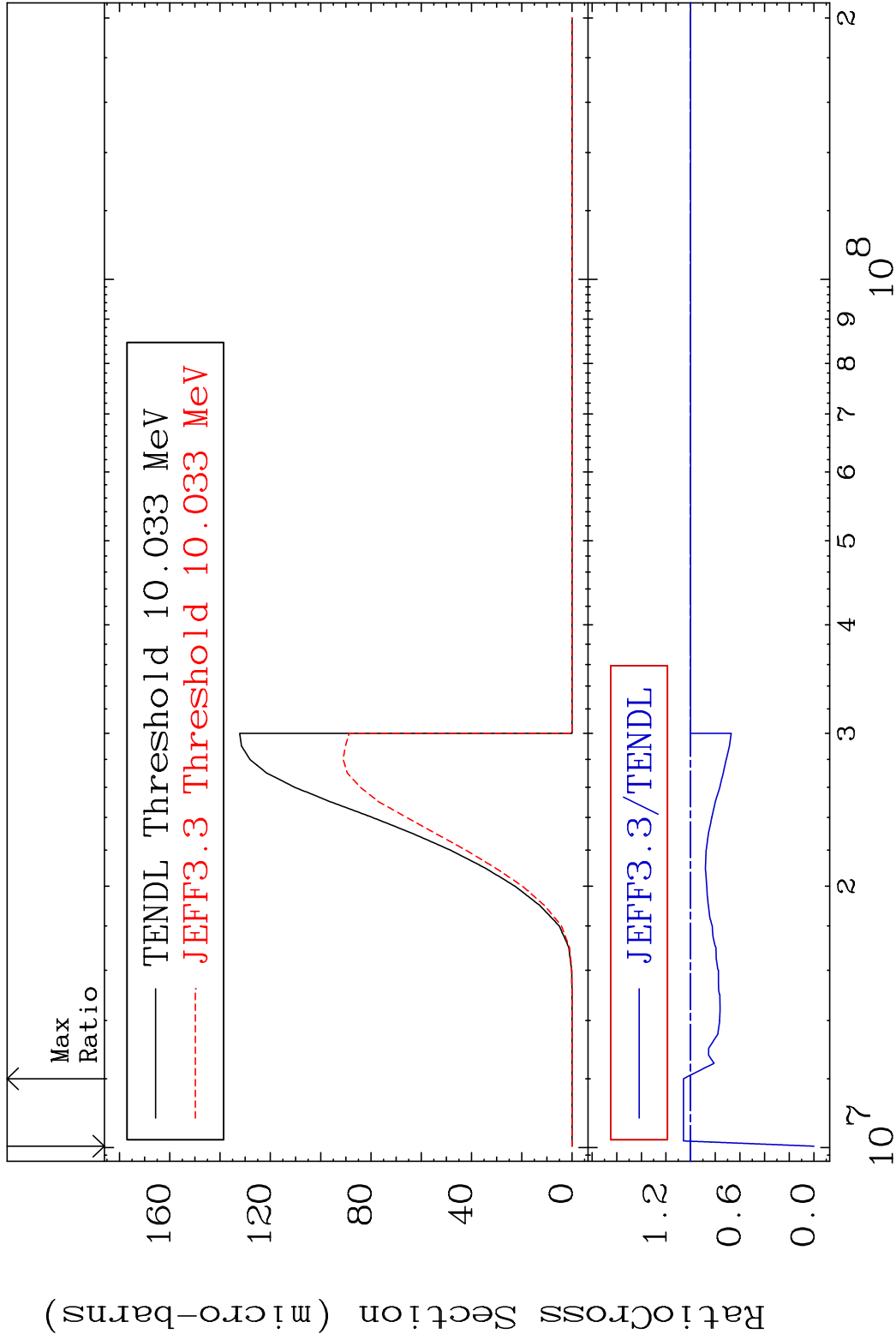


MAT 3431 (n,2α):30-Zn-69g 34-Se-76
 Radionuclide Production Cross Section 180000 dtd 9755. %



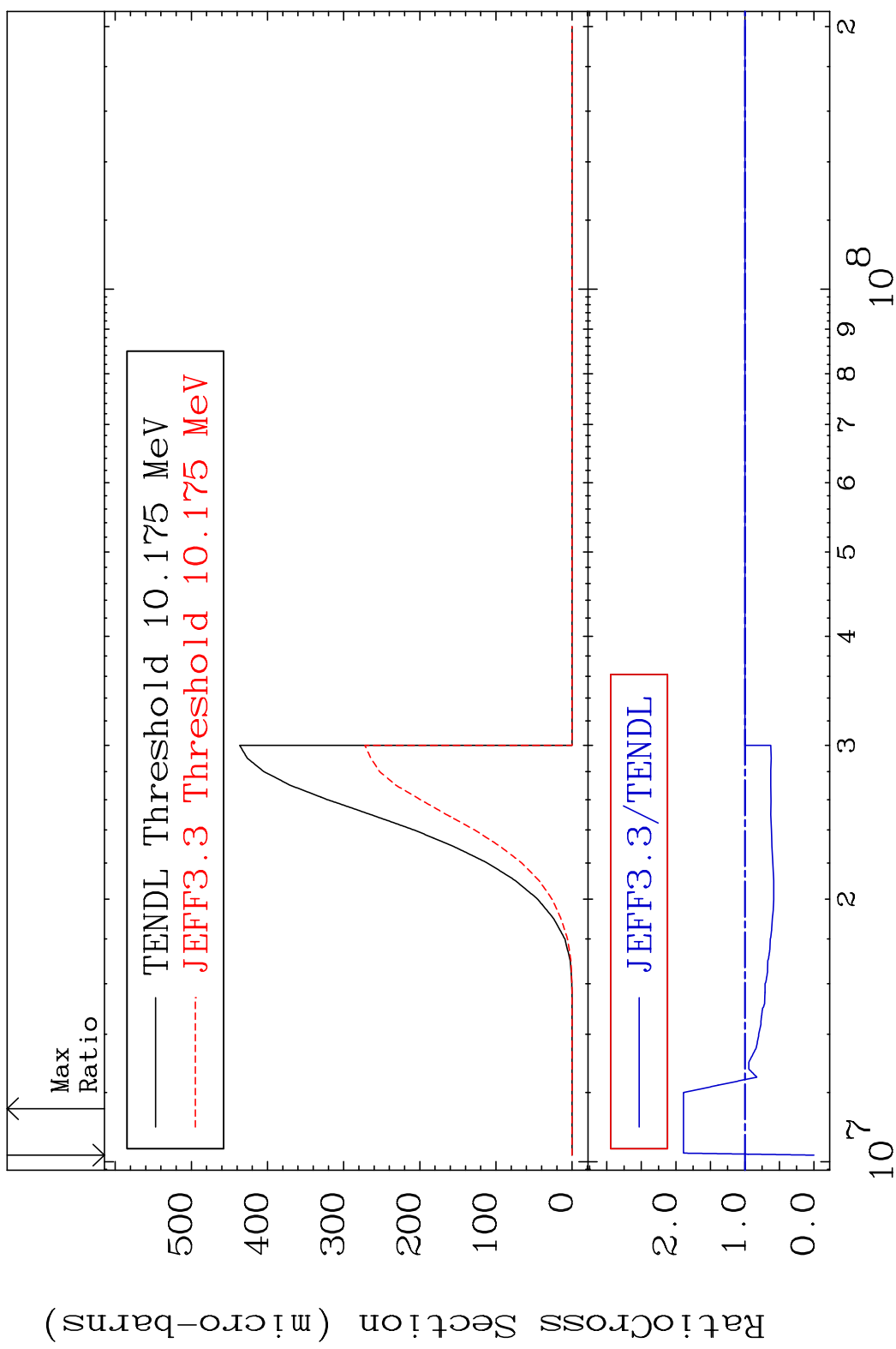


MAT 3431 (n,2p):32-Ge-75g 34-Se-76
 Radionuclide Production Cross Section 180000 dpo 5.837 %

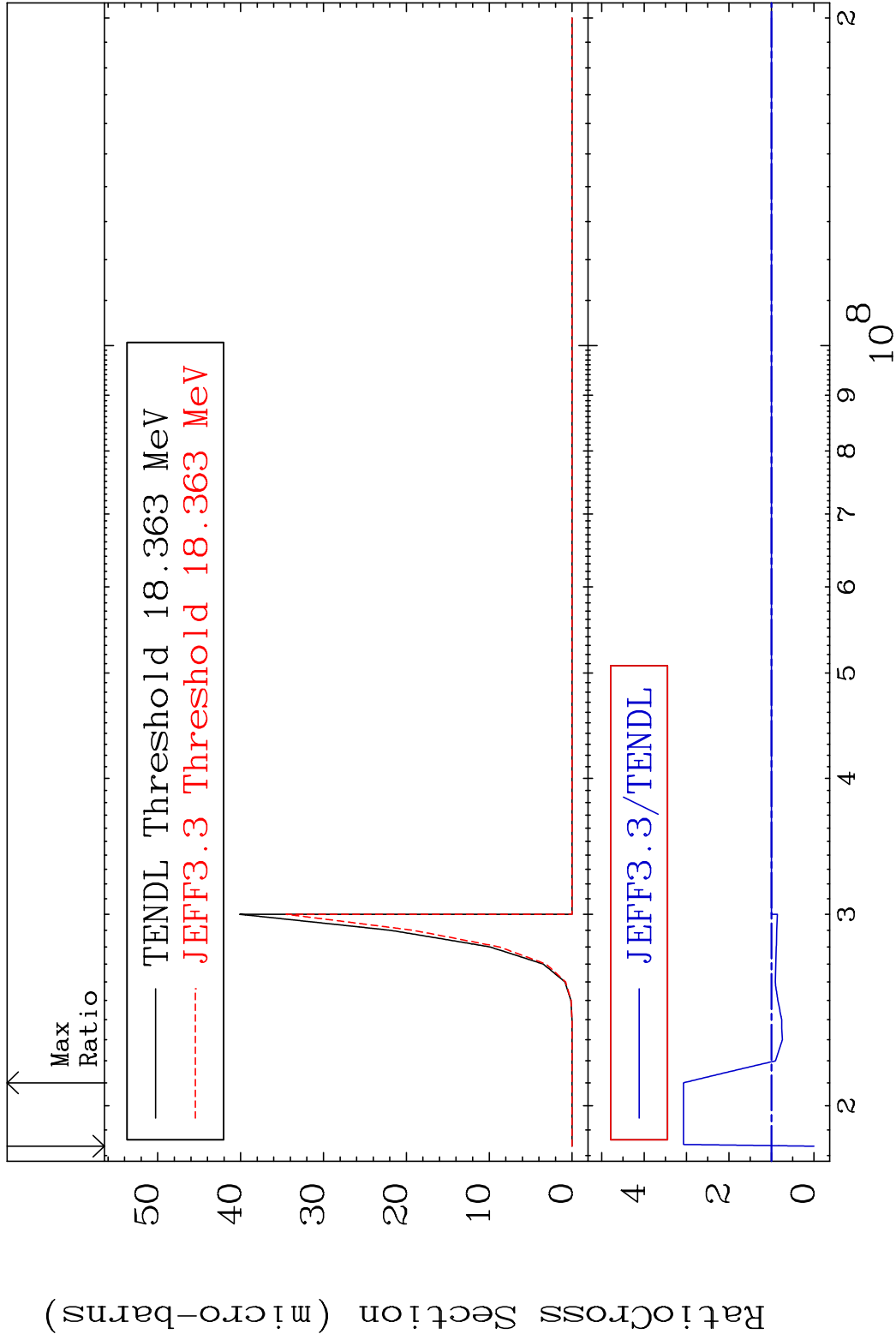


70 34-Se-76

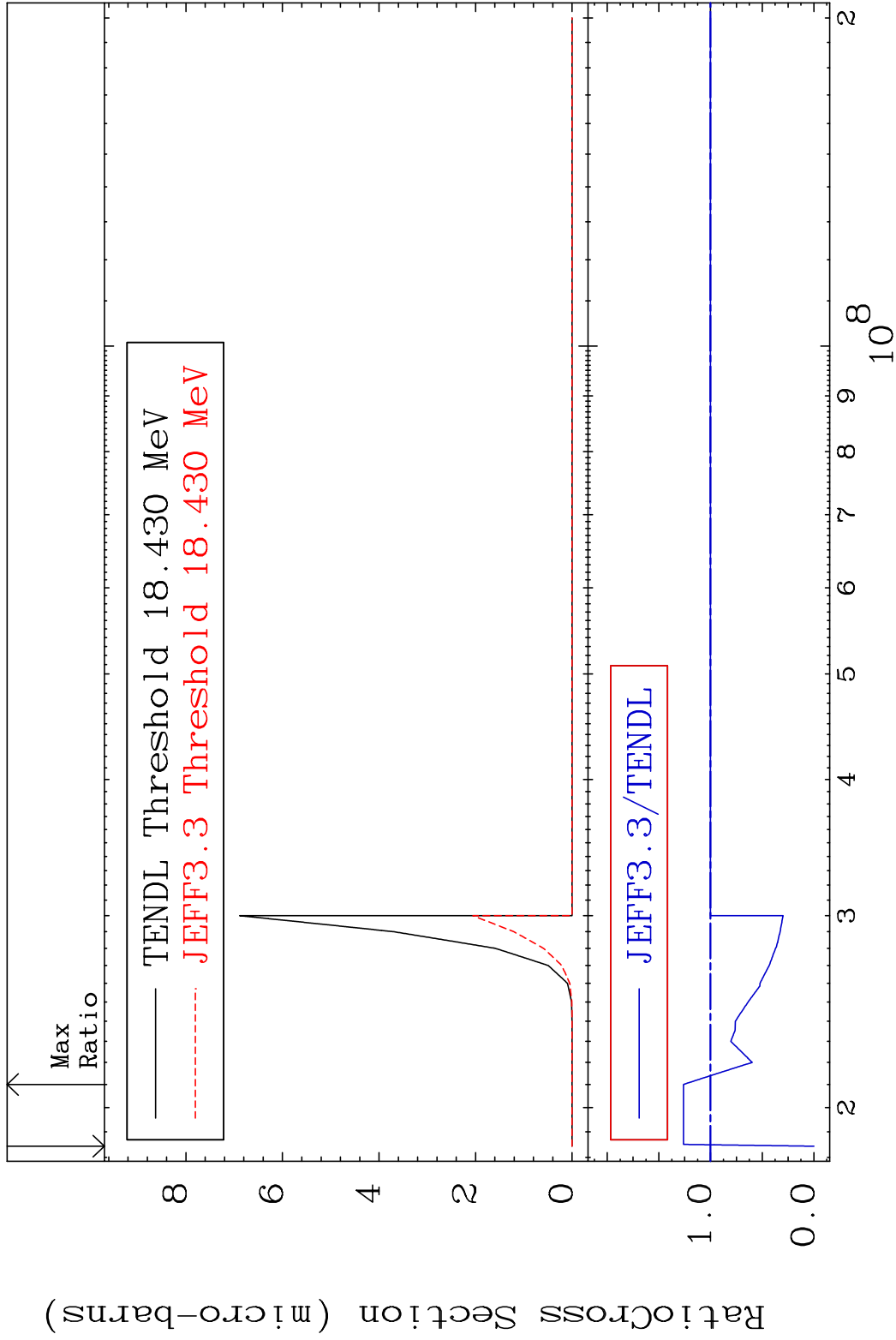
MAT 3431 (n,2p): 32-Ge-75m2 34-Se-76
 Radionuclide Production Cross Section 180000 dpo 88.98 %



71 Incident Energy (eV) 34-Se-76



MAT 3431 (n, p) t:32-Ge-73m2 34-Se-76
 Radionuclide Production Cross Section 18.430 MeV 26.22 %



73 Incident Energy (eV) 34-Se-76