

Program Complot
(Version 2021-1)

by

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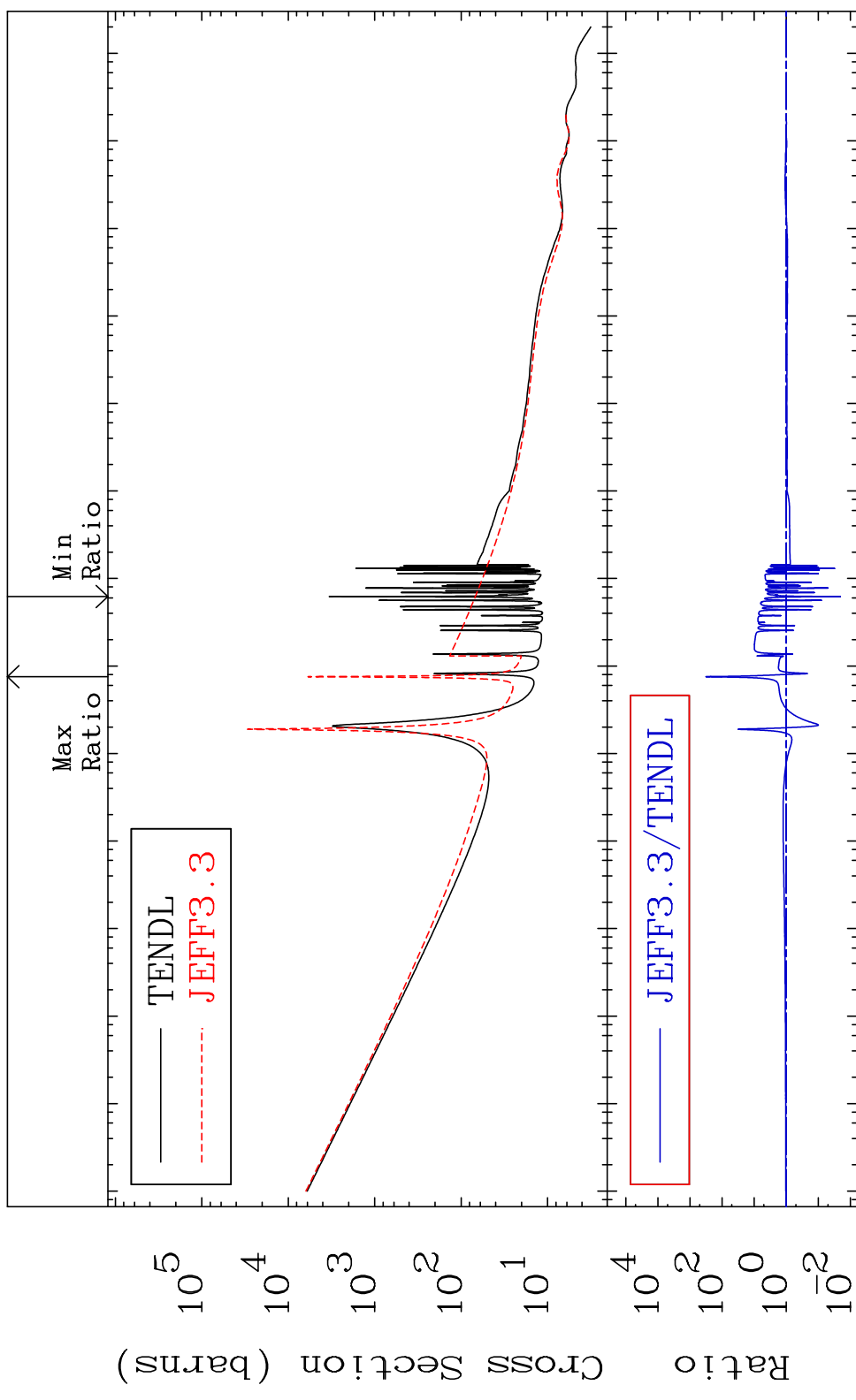
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9028

Total Cross Section -97.96 To 9999. %

90-Th-228



1

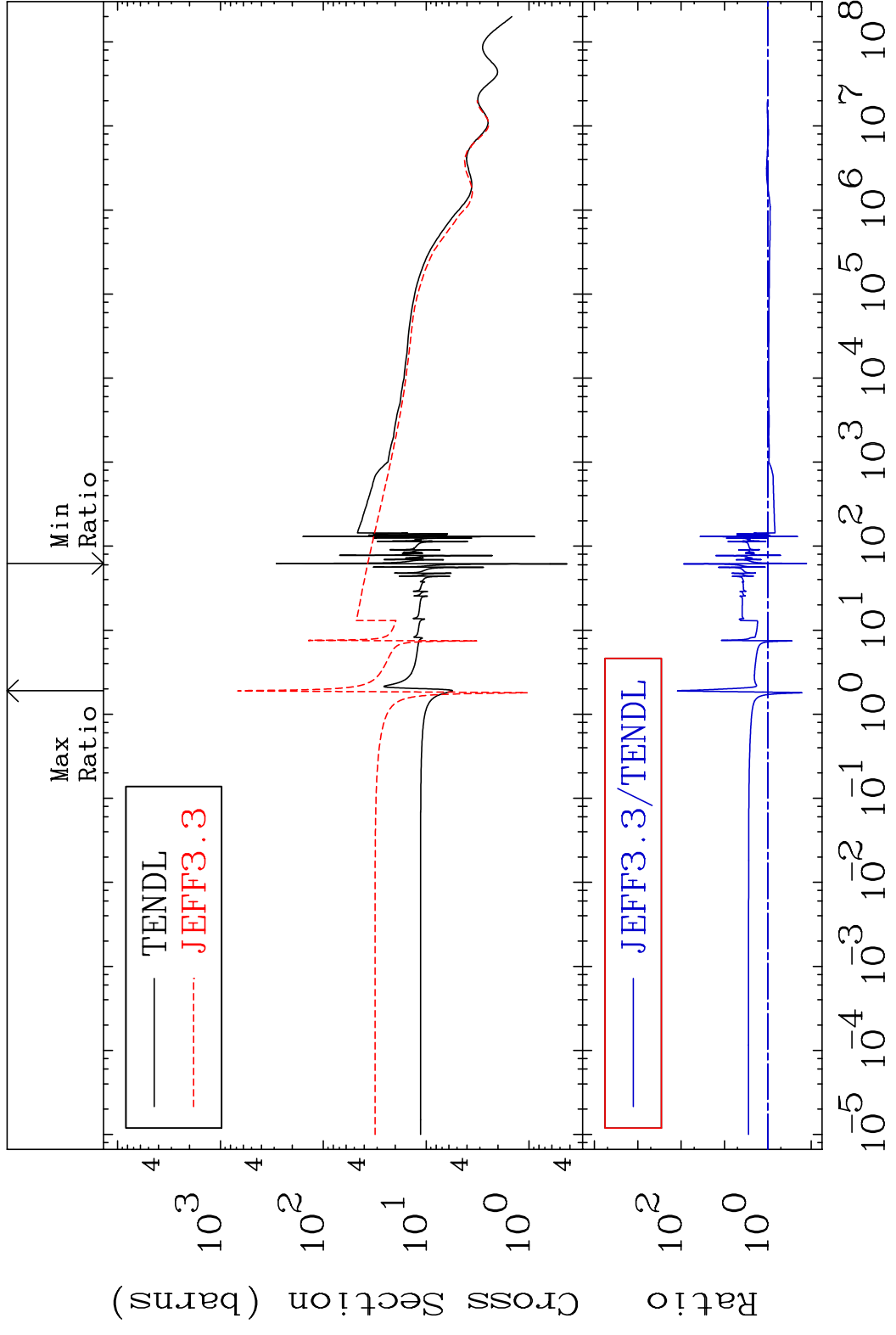
Incident Energy (eV)

90-Th-228

MAT 9028

Elastic Cross Section -87.15 To 9999. %

90-Th-228



2

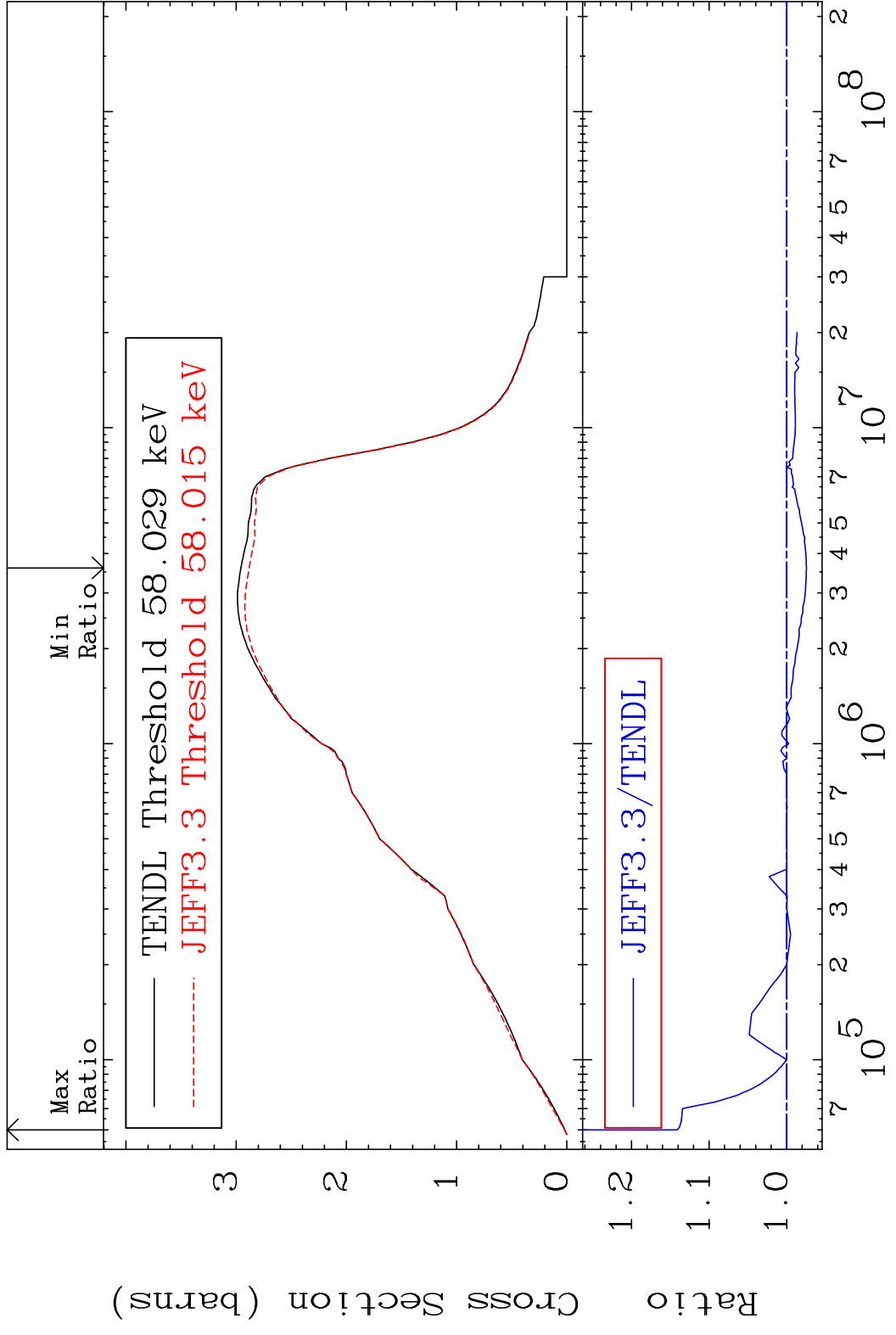
Incident Energy (eV) 90-Th-228

MAT 9028

Inelastic

90-Th-228

Cross Section -2.544 To 14.11 %



3

Incident Energy (eV)

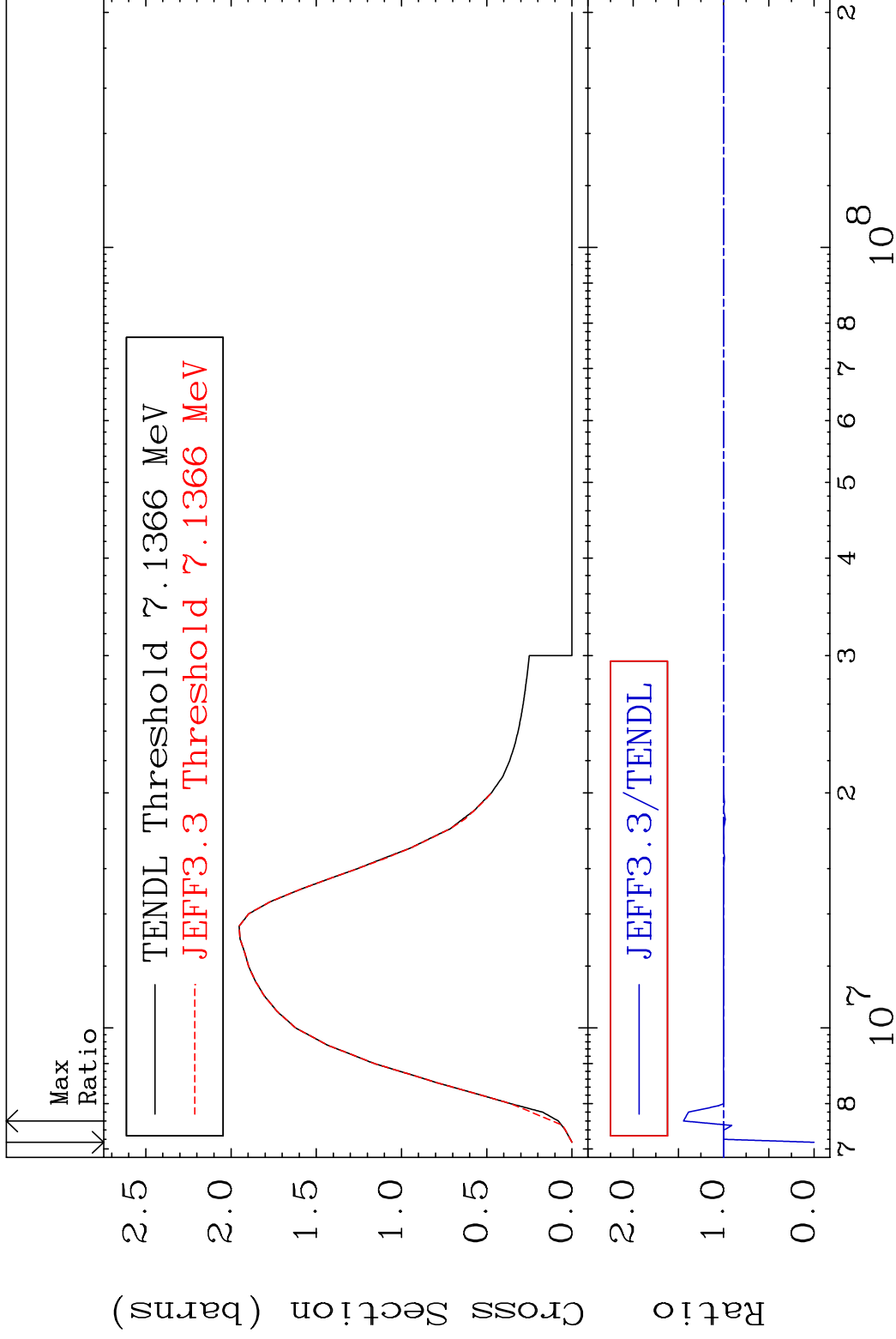
90-Th-228

MAT 9028

(n,2n)

90-Th-228

Cross Section -100.0 To 44.38 %



4

Incident Energy (eV)

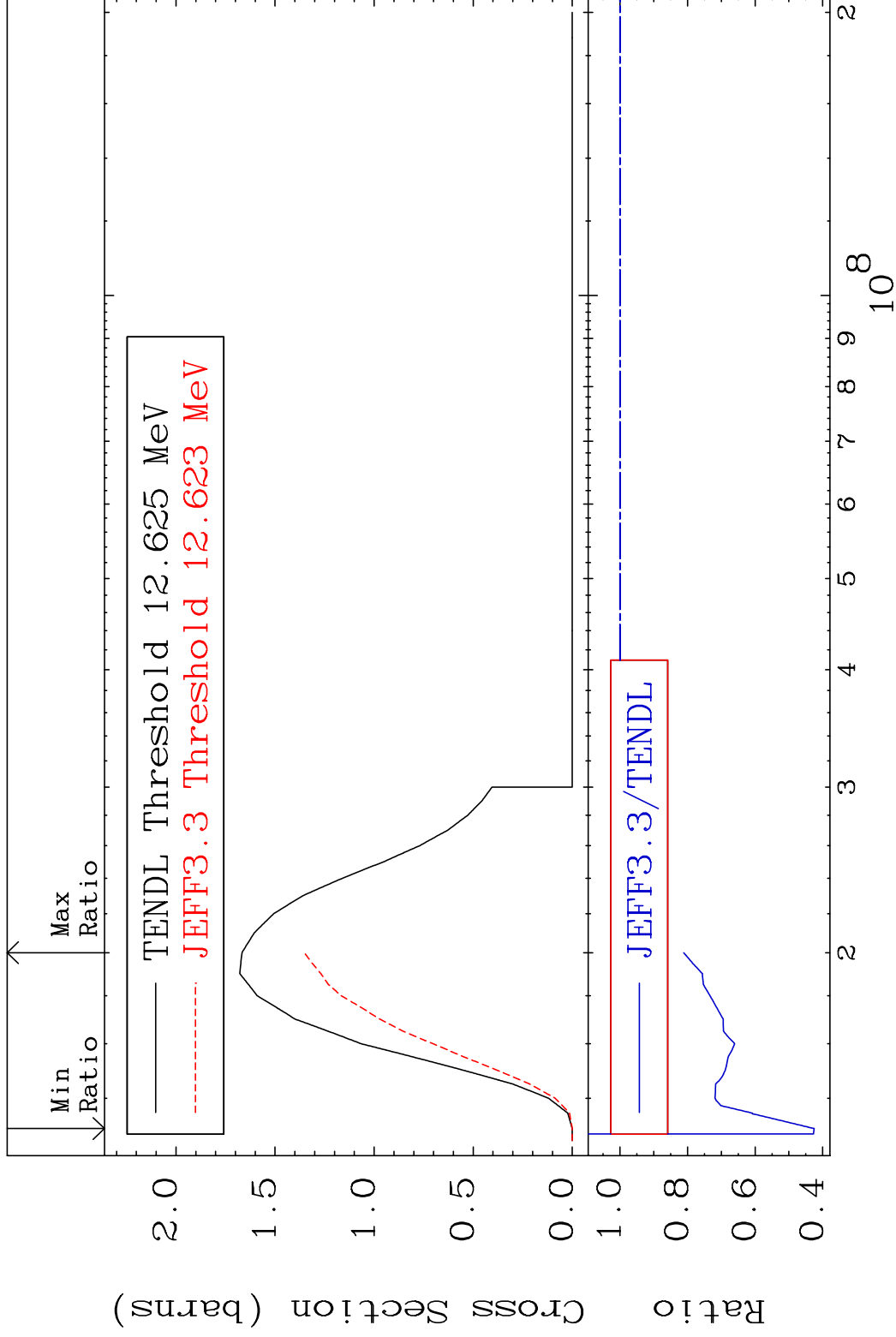
90-Th-228

MAT 9028

(n,3n)

90-Th-228

Cross Section -57.46 To -18.86%



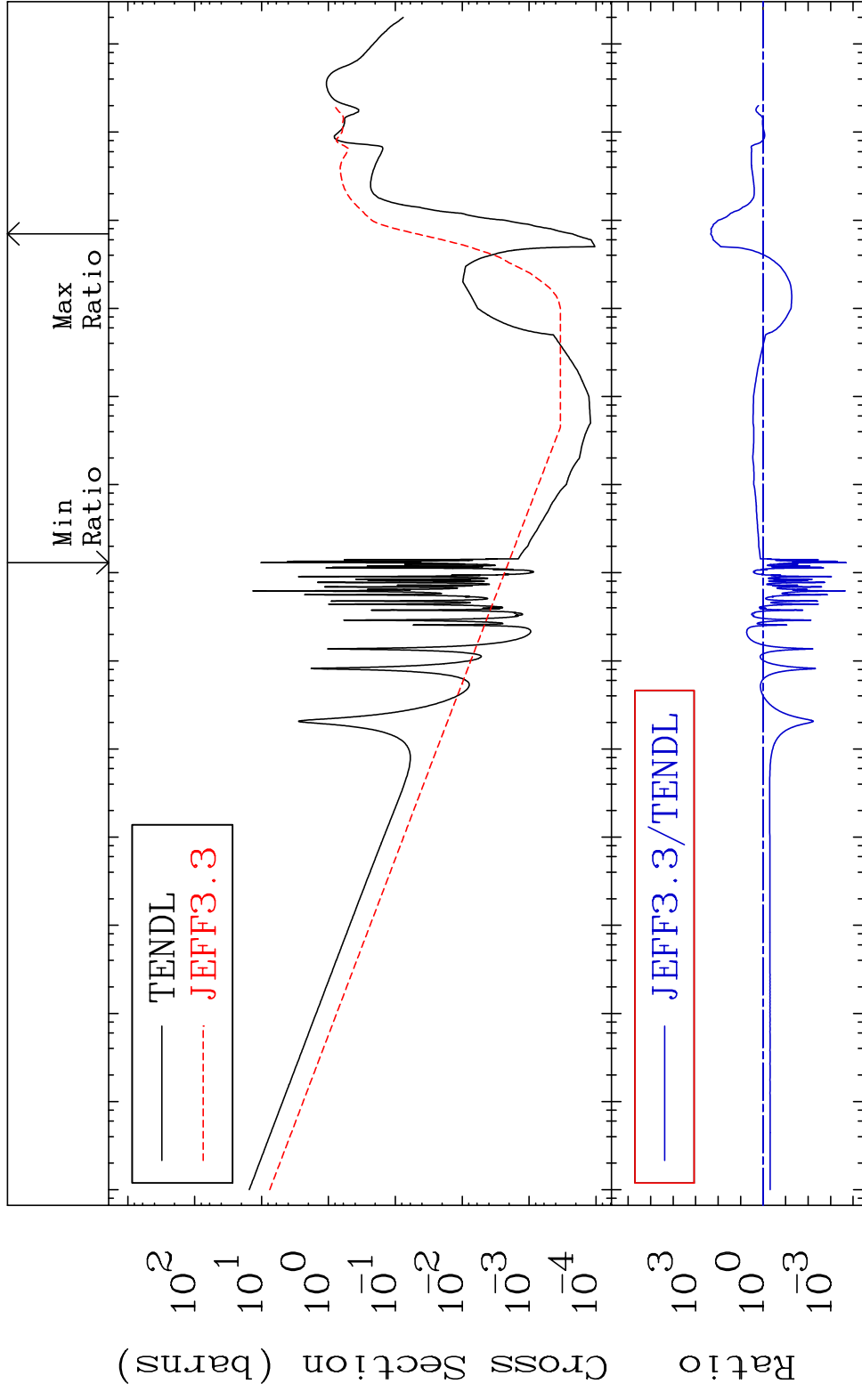
5

Incident Energy (eV)

90-Th-228

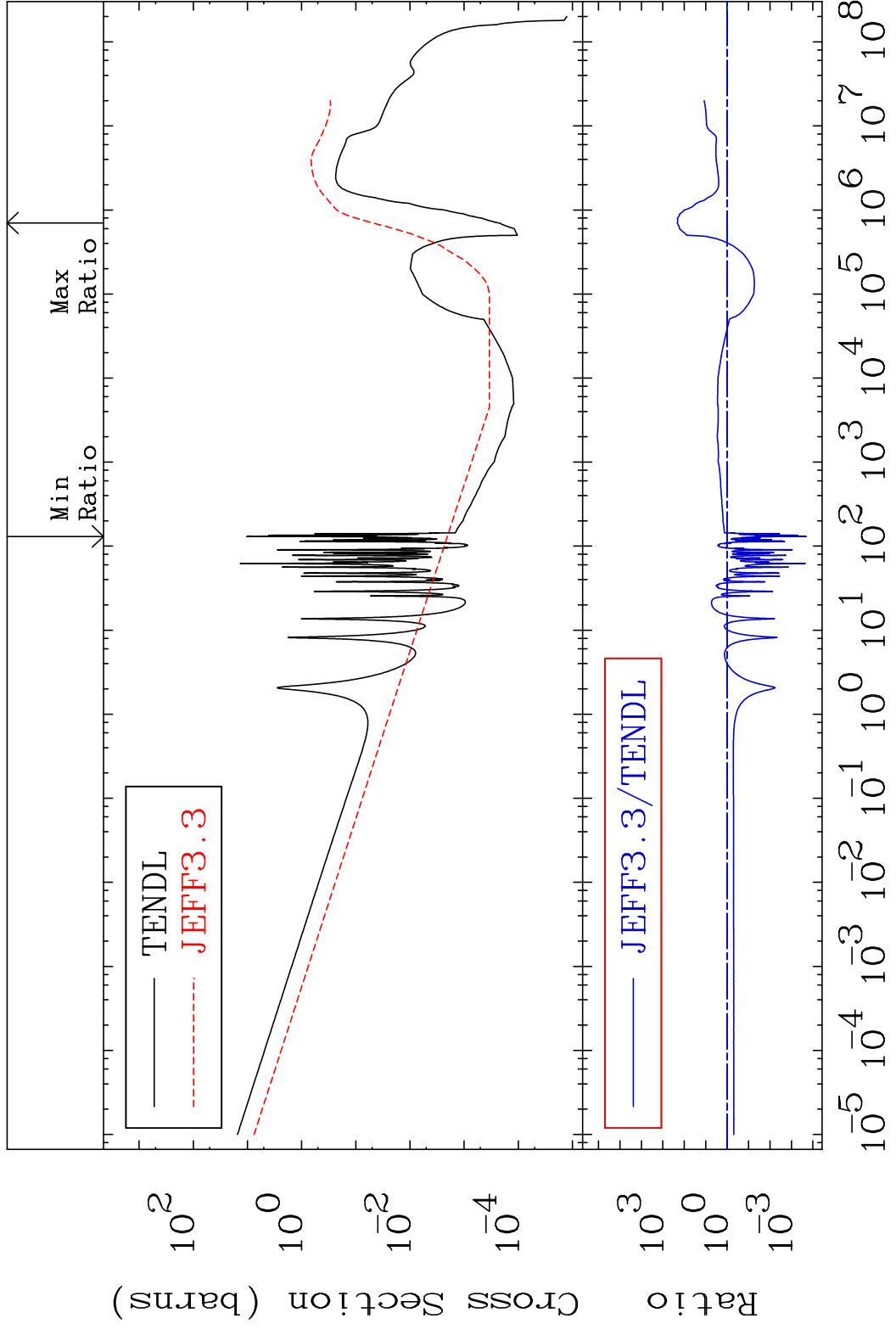
MAT 9028

Fission Cross Section 90-Th-228
-99.98 To 9999. %



MAT 9028

(n,f) First Chance 90-Th-228
Cross Section -99.98 To 9999. %

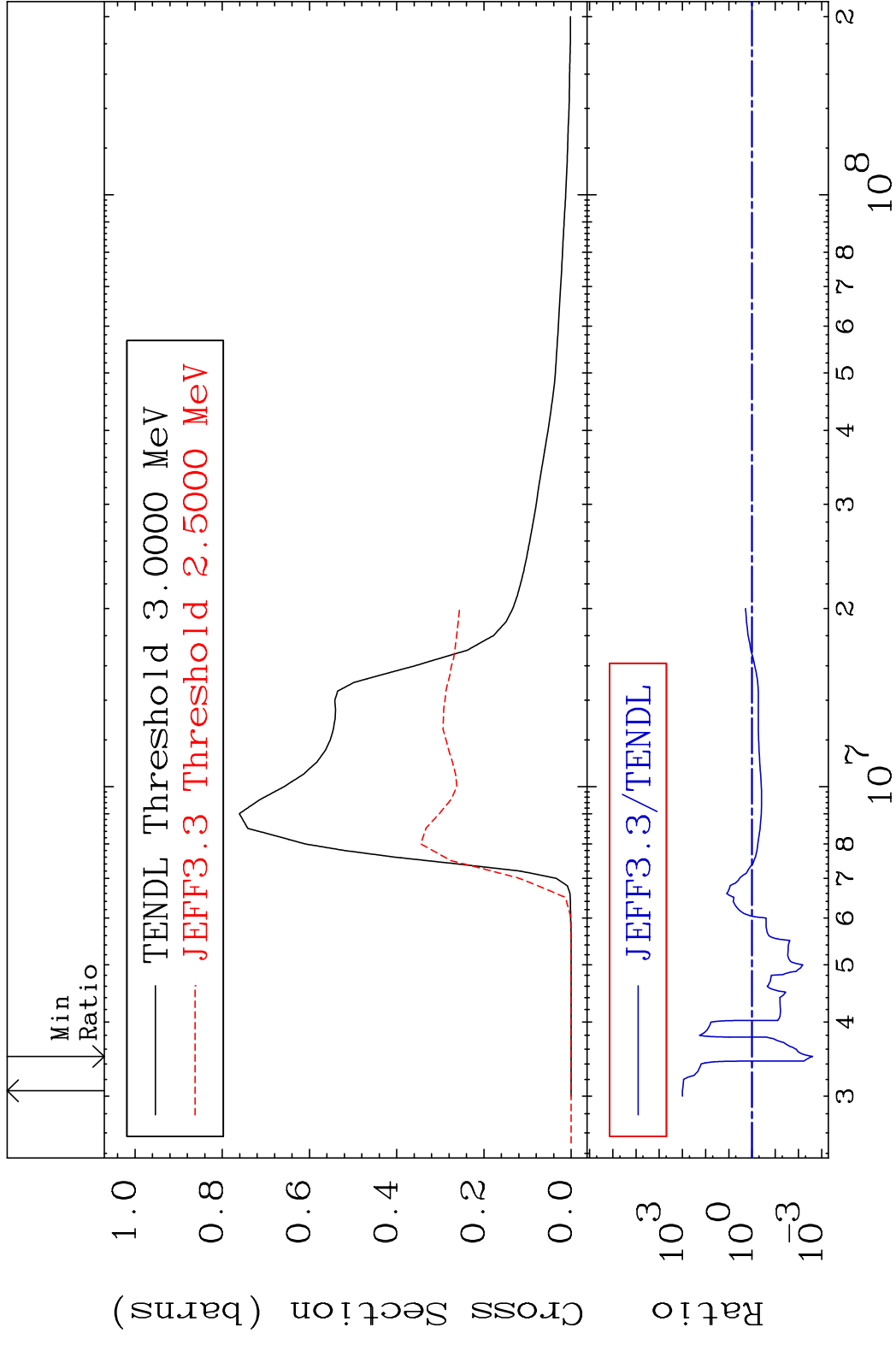


MAT 9028

(n, nf) Second Chance

90-Th-228

Cross Section -99.75 To 9999. %



8

Incident Energy (eV)

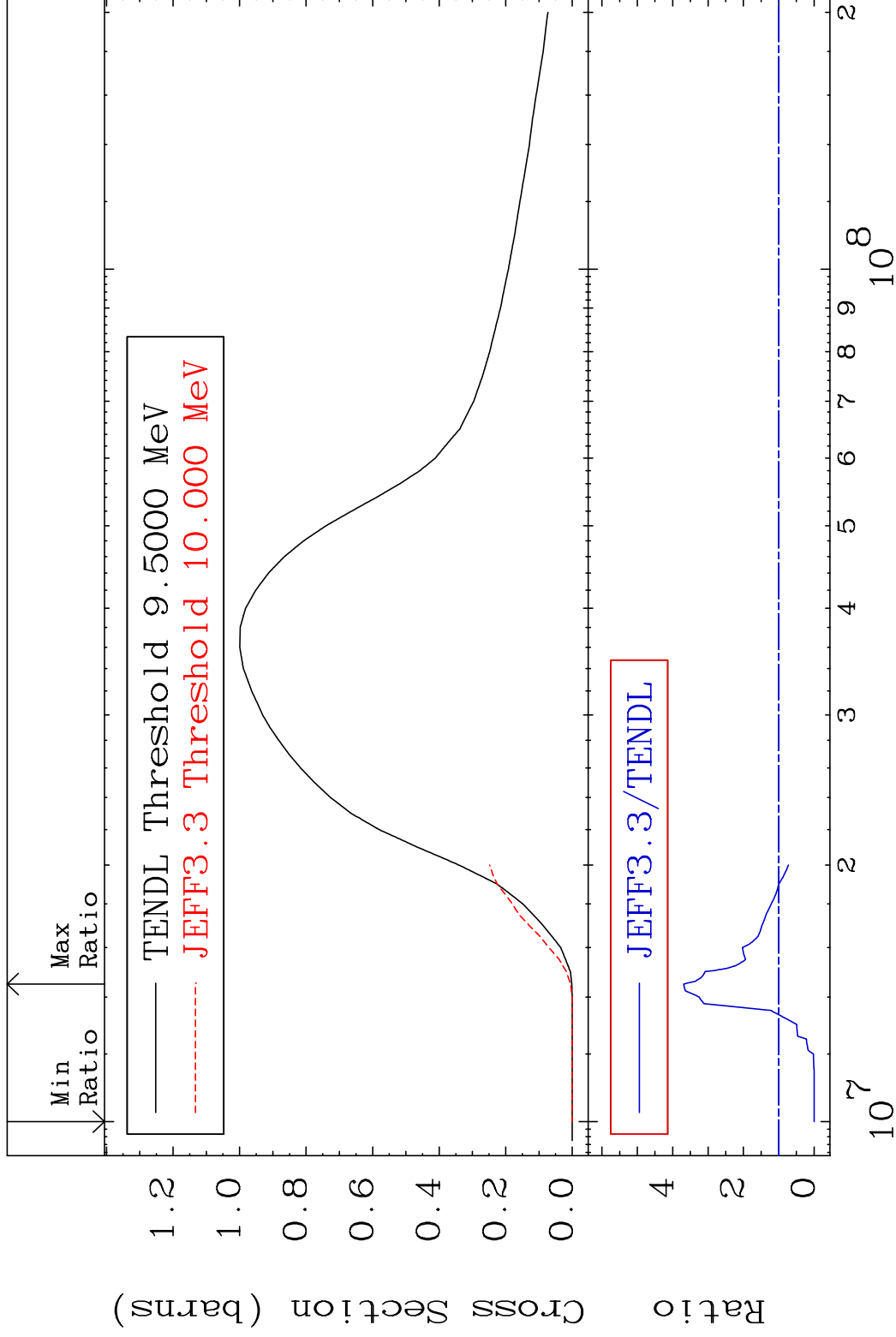
90-Th-228

MAT 9028

(n,2nf) Third Chance

90-Th-228

Cross Section -100.0 To 268.9 %

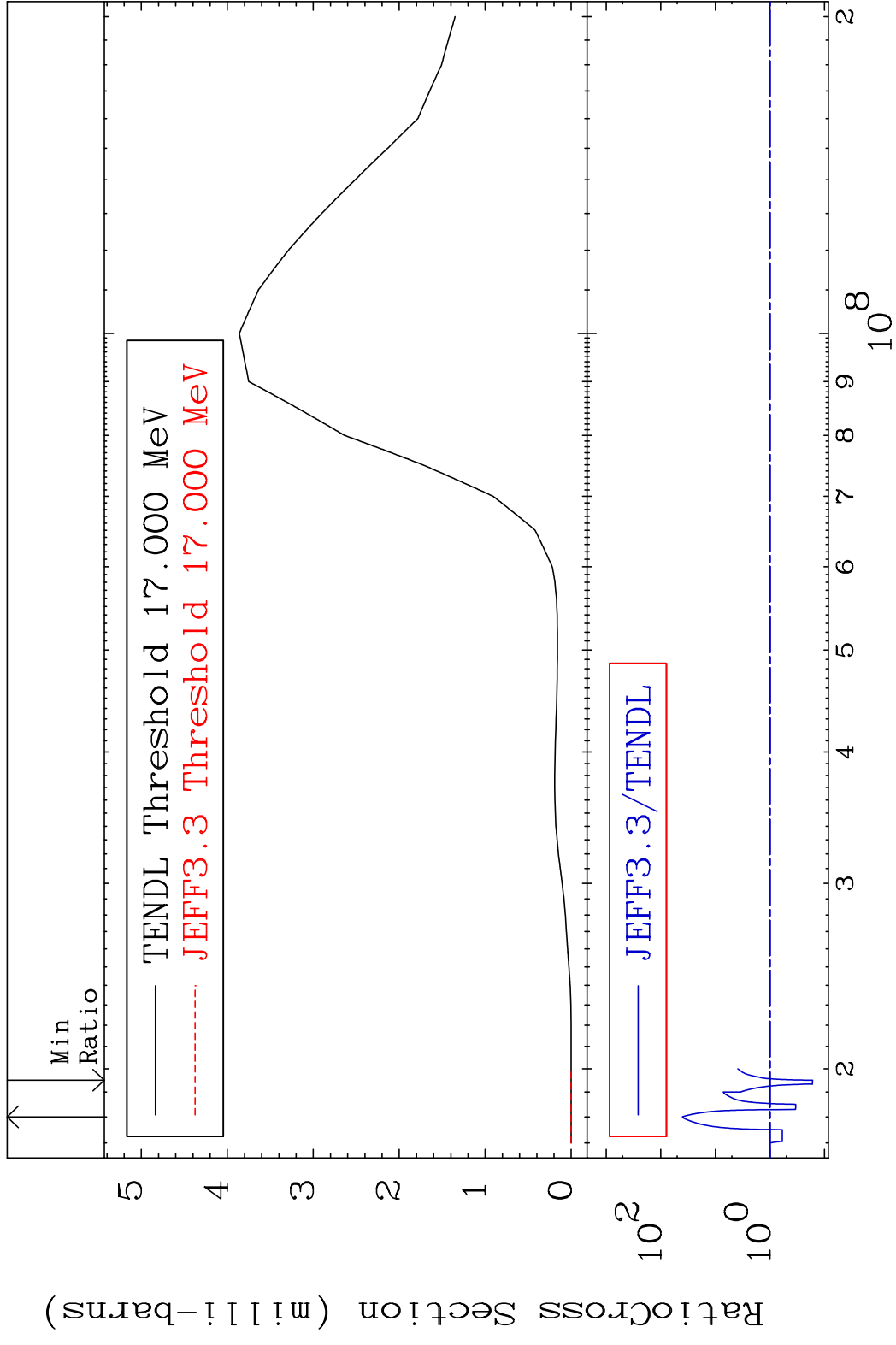


9

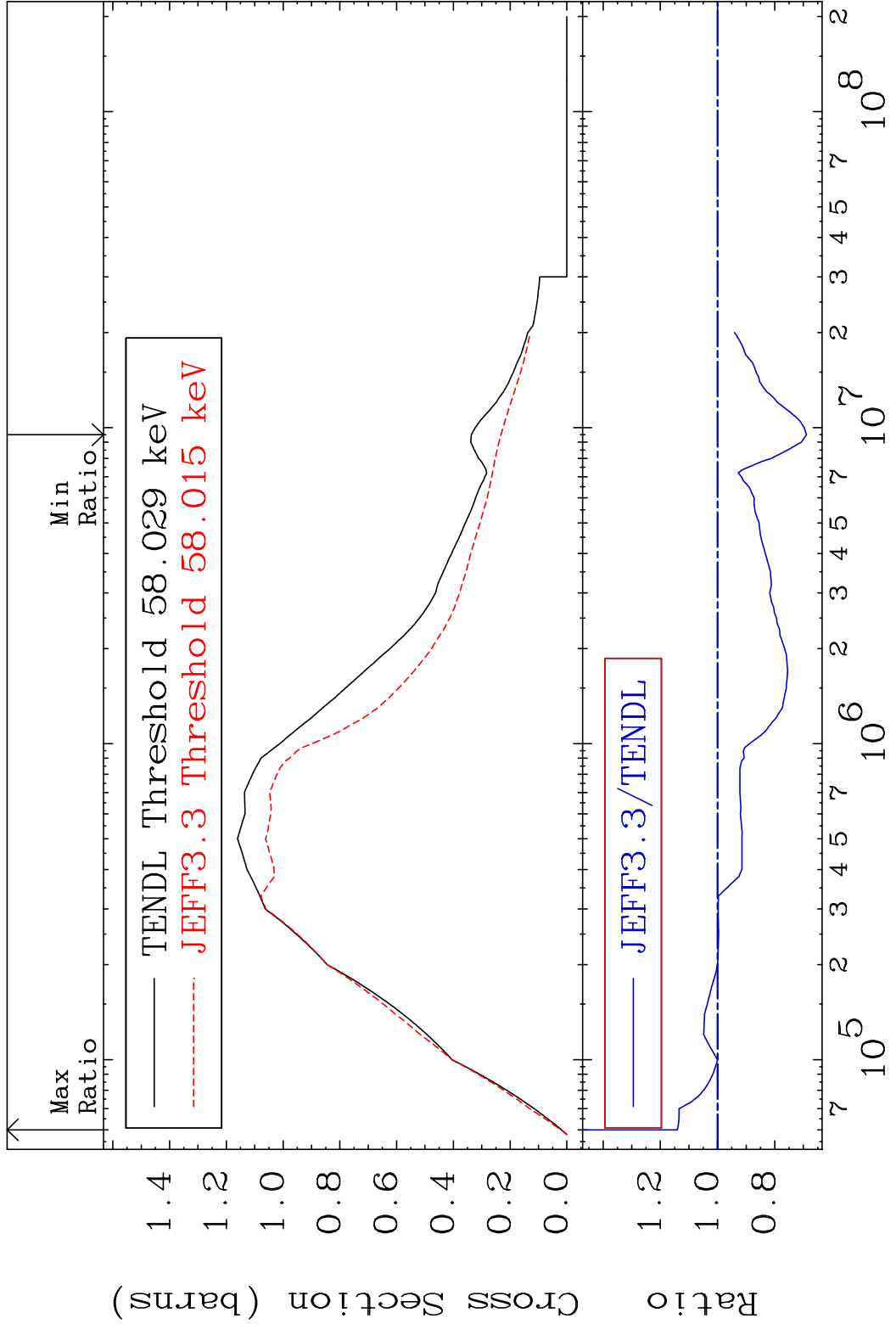
Incident Energy (eV)

90-Th-228

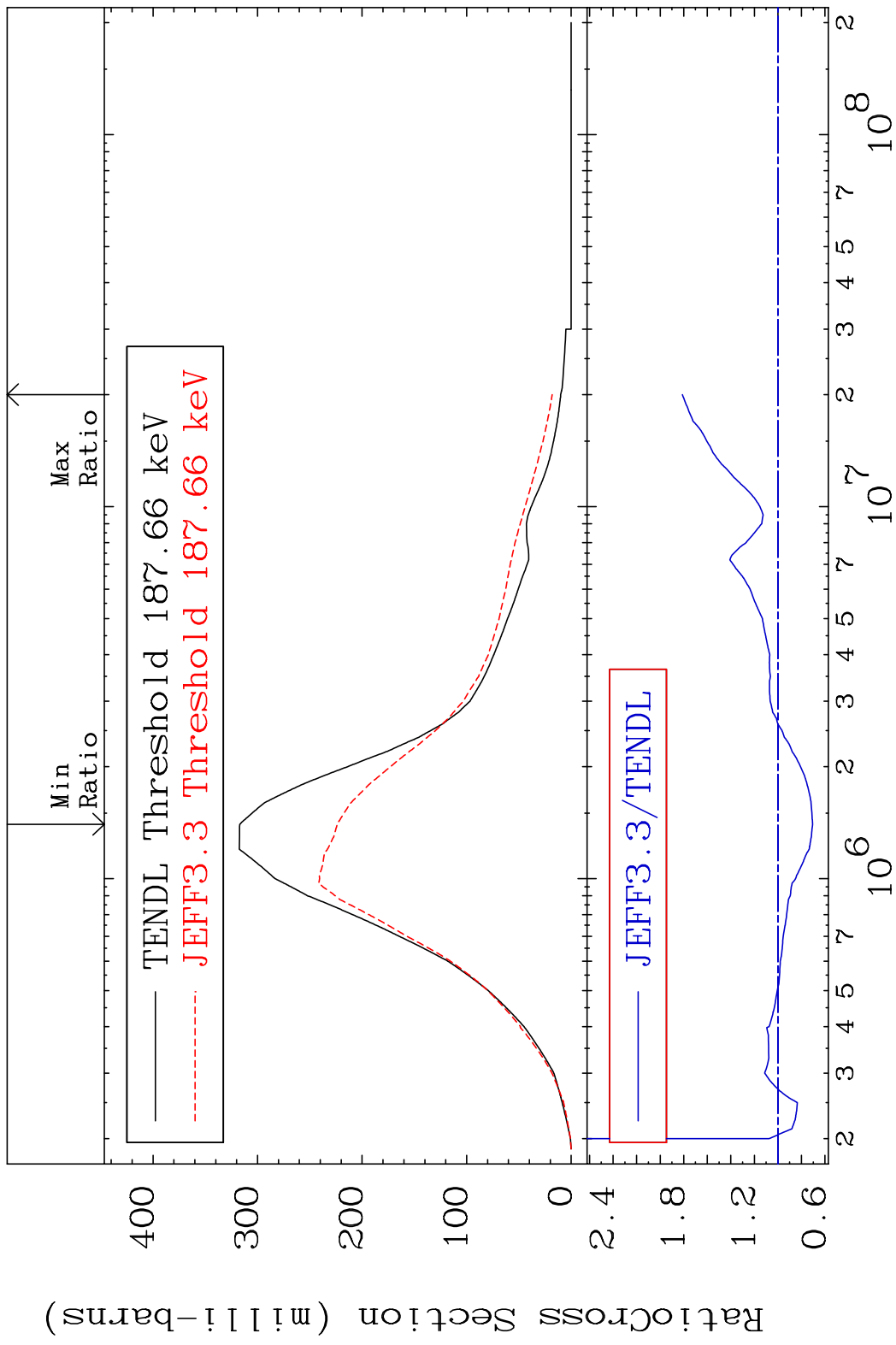
Cross Section -83.40 To 3930. %



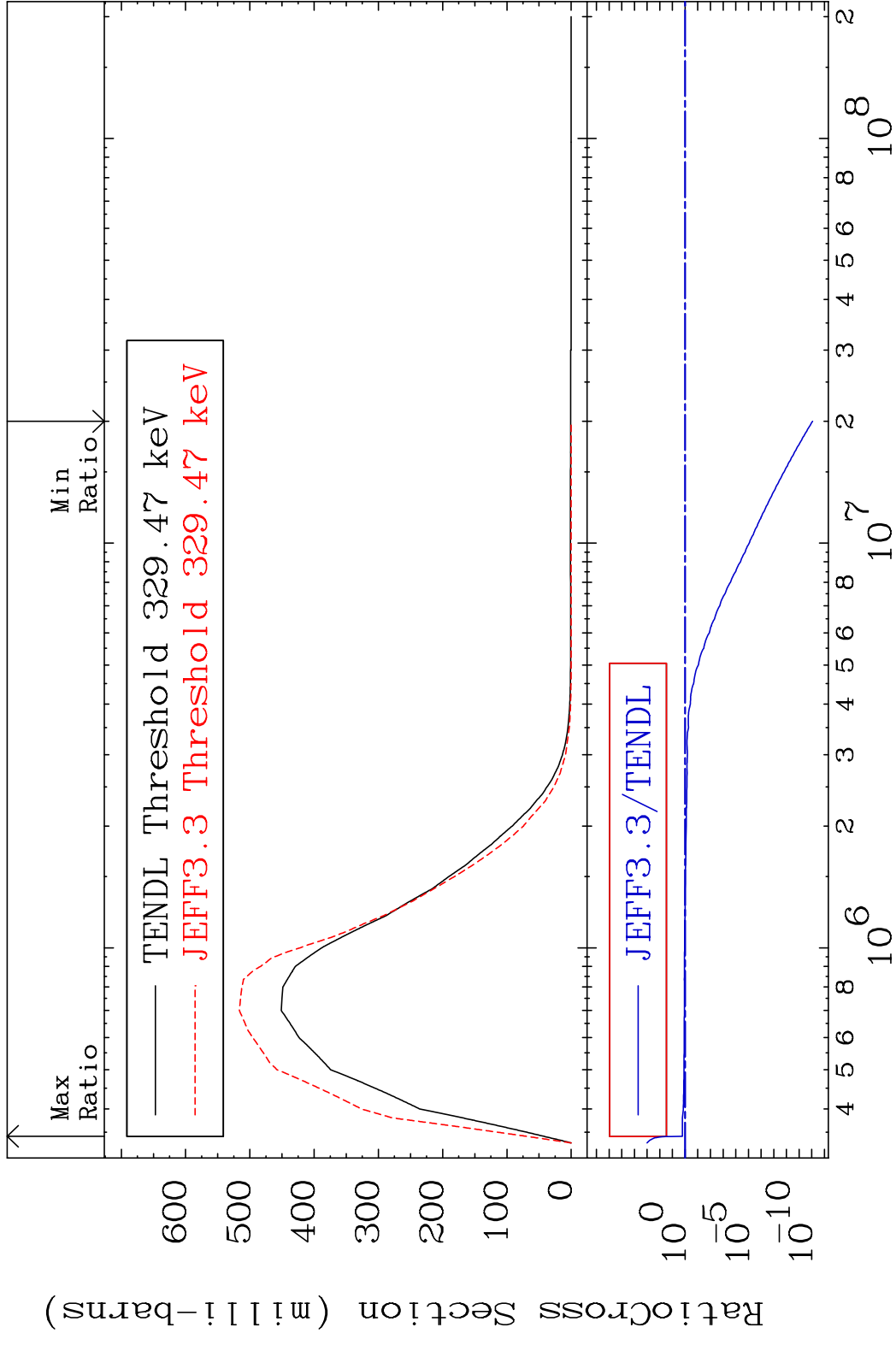
MAT 9028 MT= 51 (n, n') Level 90-Th-228
 Cross Section -31.06 To 14.11 %



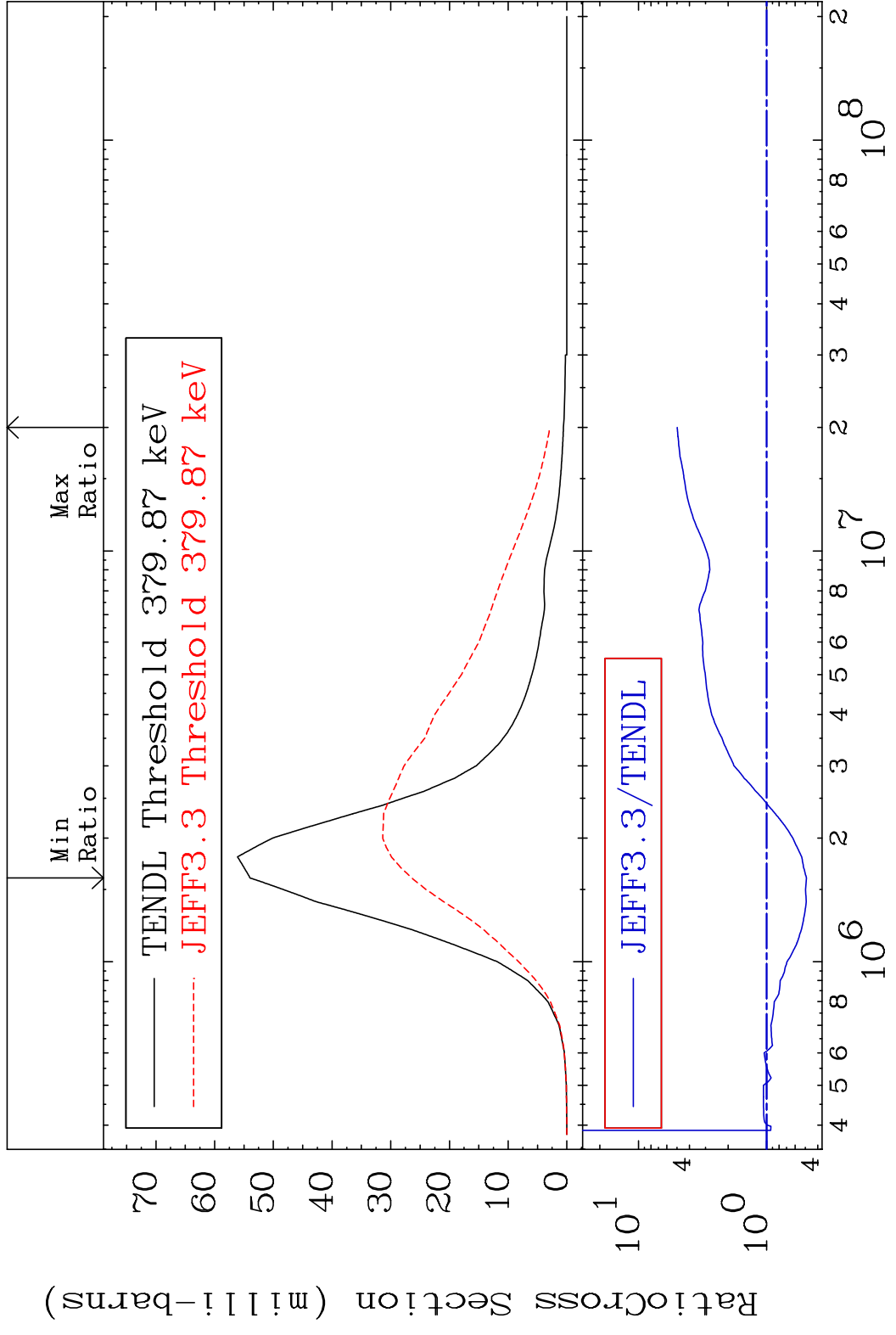
MAT 9028 MT= 52 (n, n') Level 90-Th-228
 Cross Section -29.43 To 81.15 %



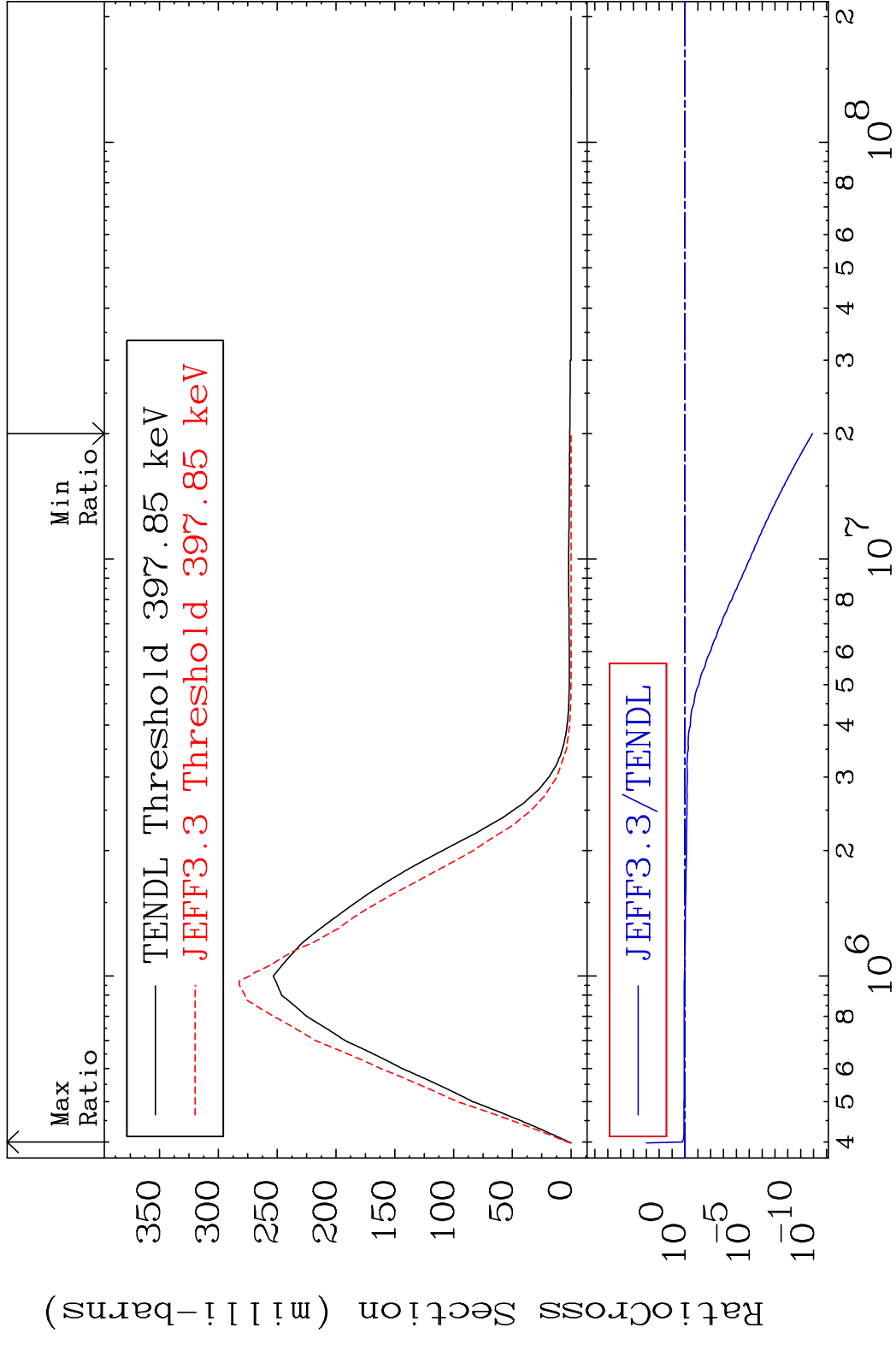
MAT 9028 MT= 53 (n, n') Level 90-Th-228
 Cross Section -100.0 To 65.05 %



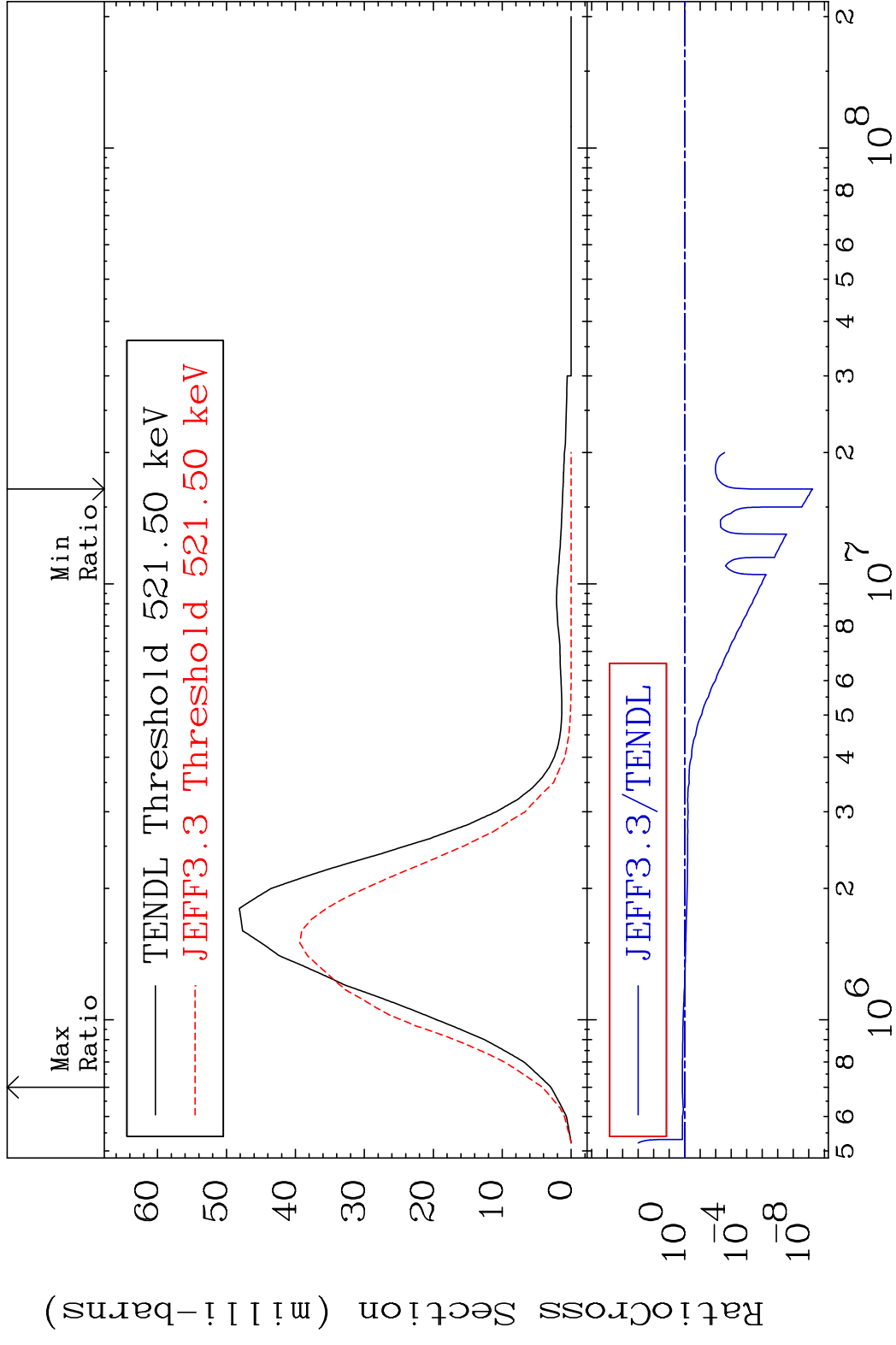
MAT 9028 MT= 54 (n, n') Level 90-Th-228
 Cross Section -51.01 To 398.9 %



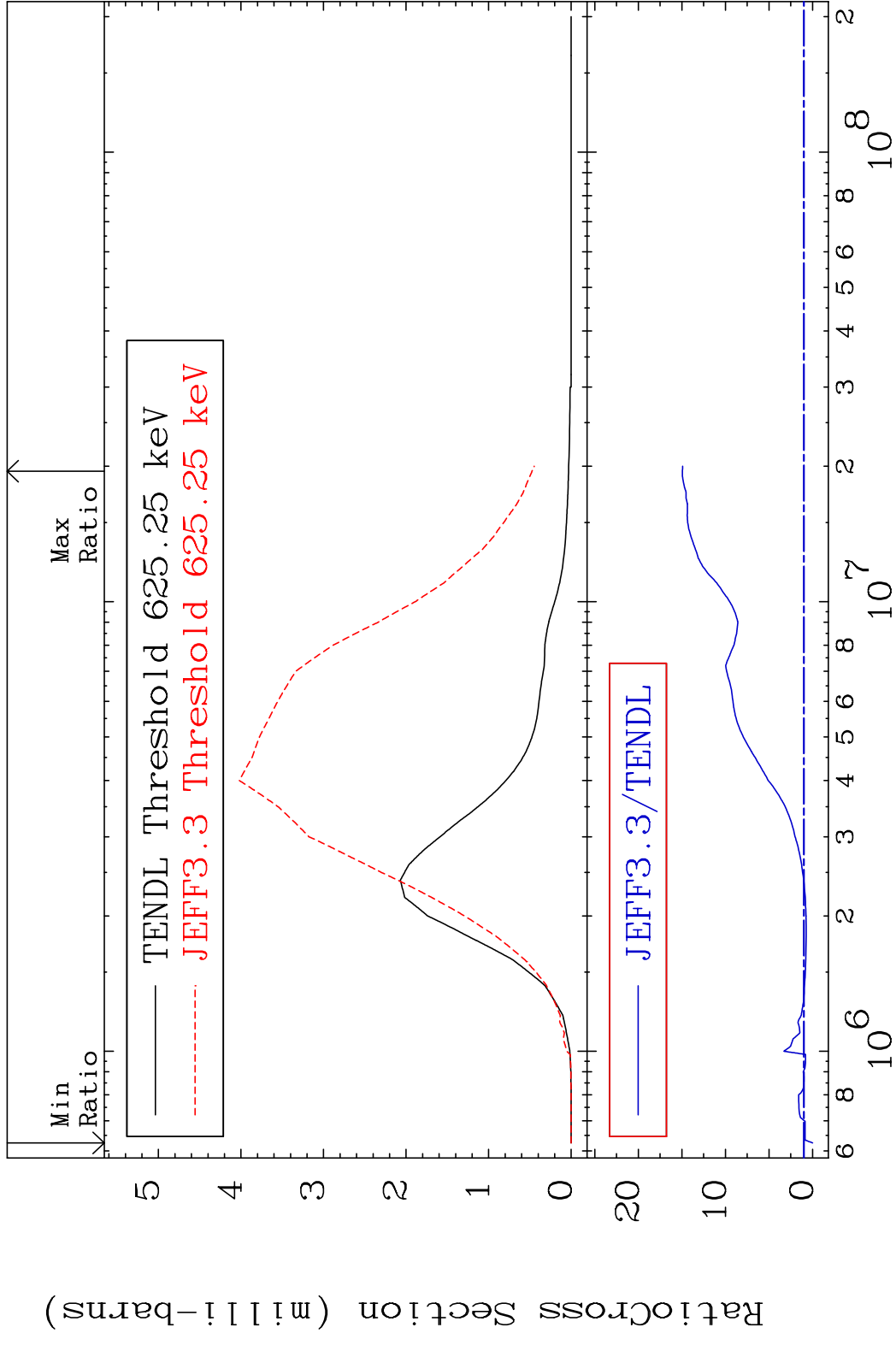
MAT 9028 MT= 55 (n,n') Level 90-Th-228
 Cross Section -100.0 To 58.13 %



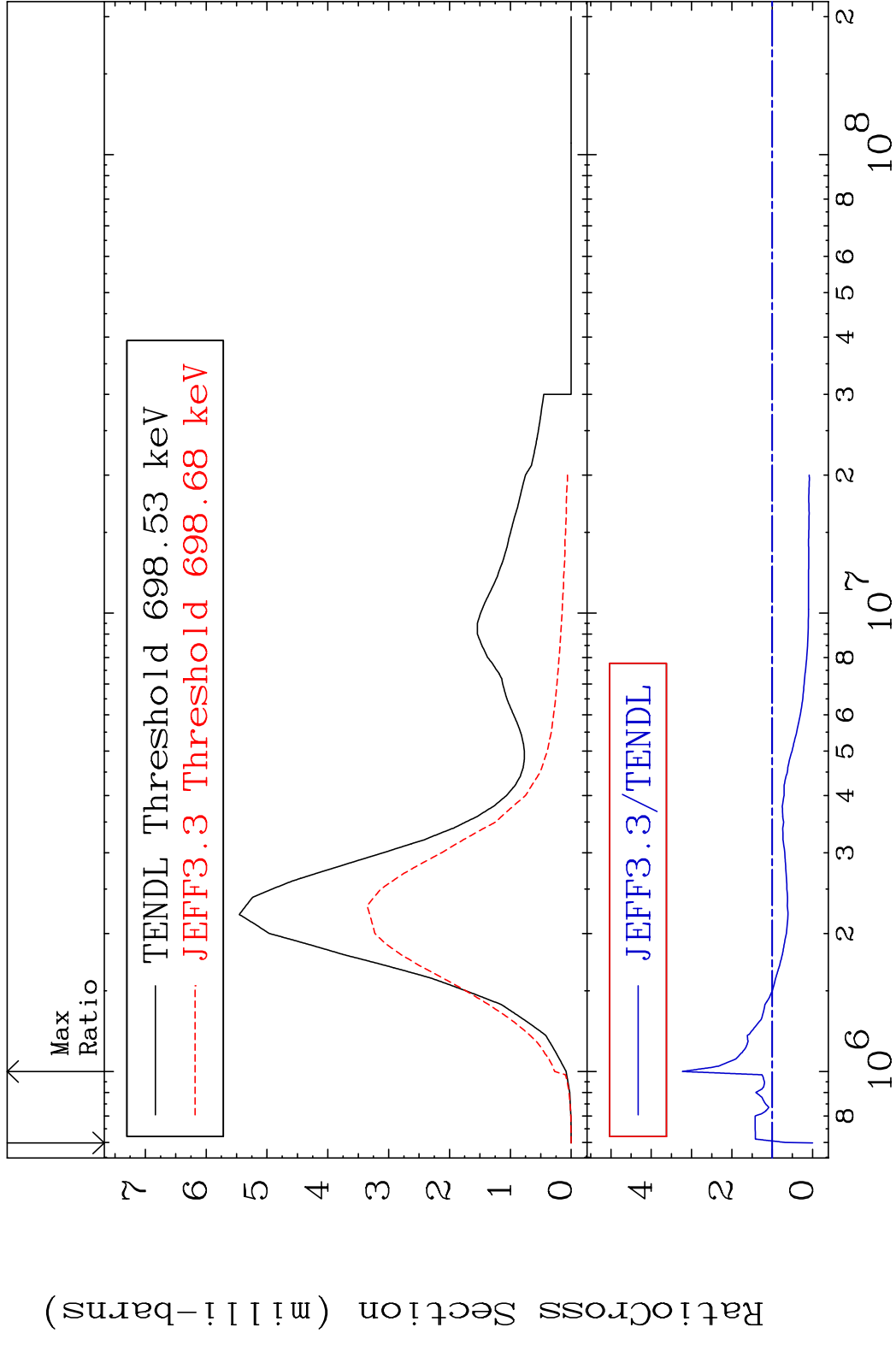
MAT 9028 MT= 56 (n, n') Level 90-Th-228
 Cross Section -100.0 To 42.51 %



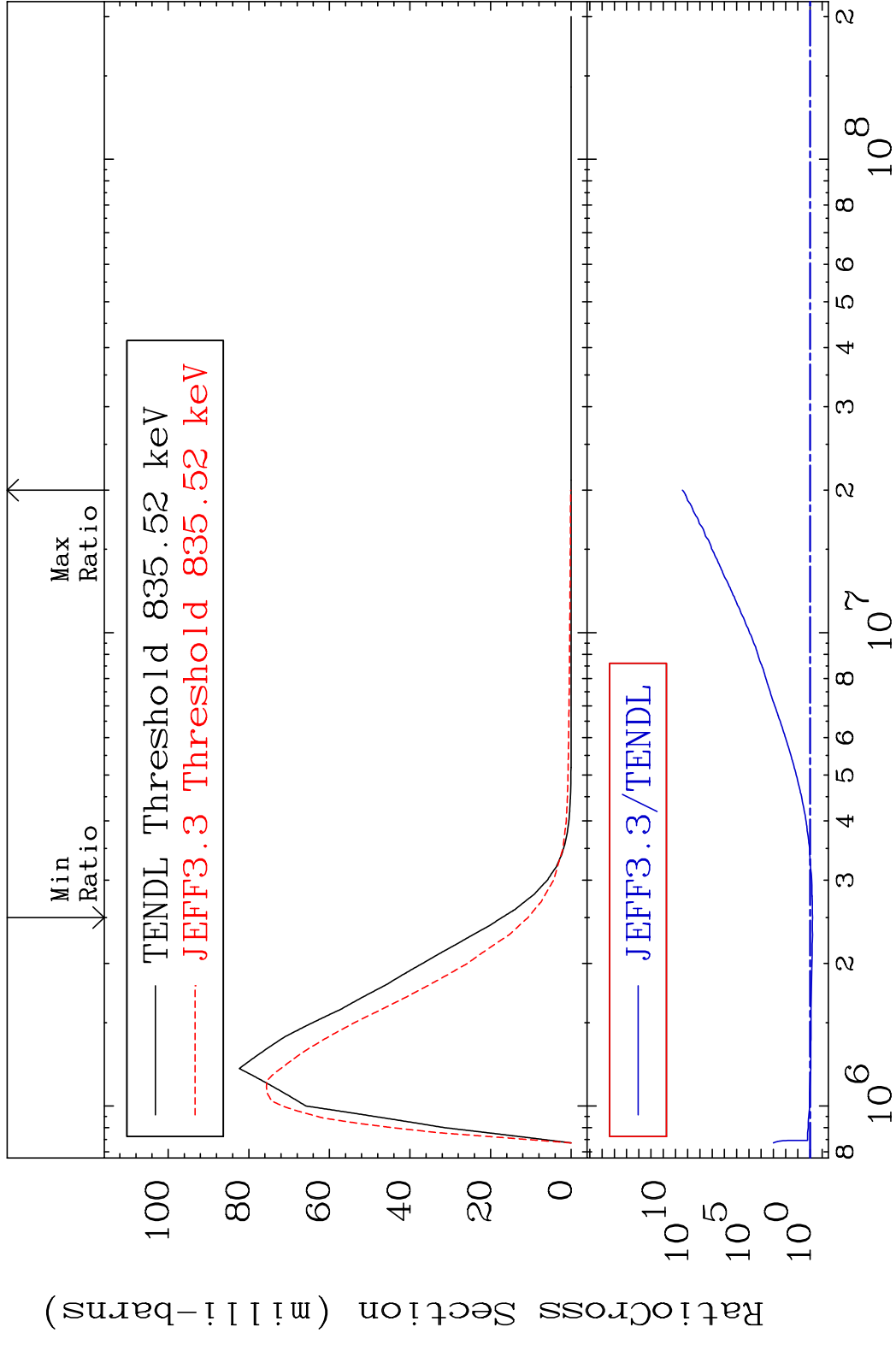
MAT 9028 MT= 57 (n, n') Level 90-Th-228
 Cross Section -100.0 To 1394. %



MAT 9028 MT= 58 (n, n') Level 90-Th-228
 Cross Section -100.0 To 222.8 %

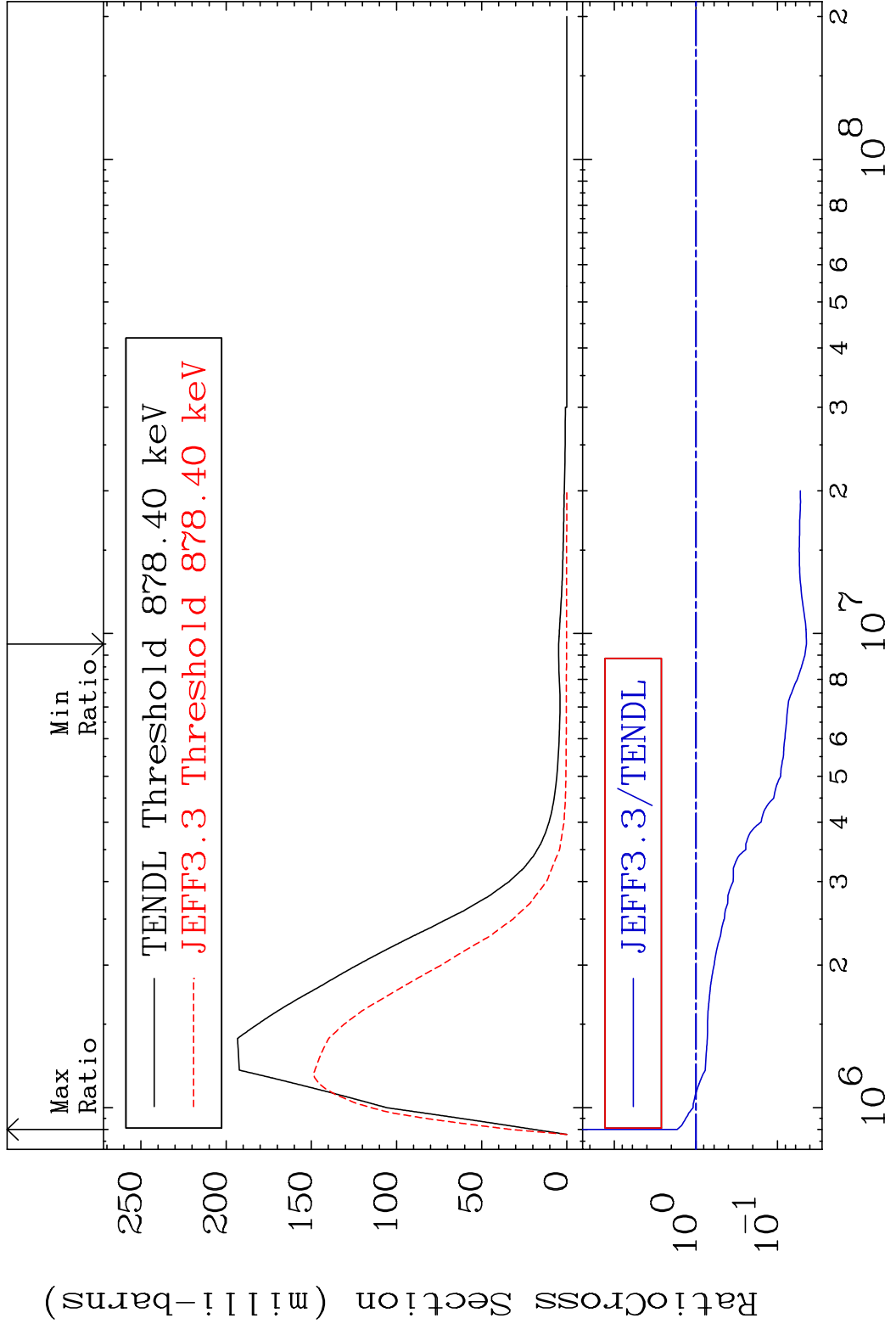


MAT 9028 MT= 59 (n, n') Level 90-Th-228
 Cross Section -37.62 To 9999. %



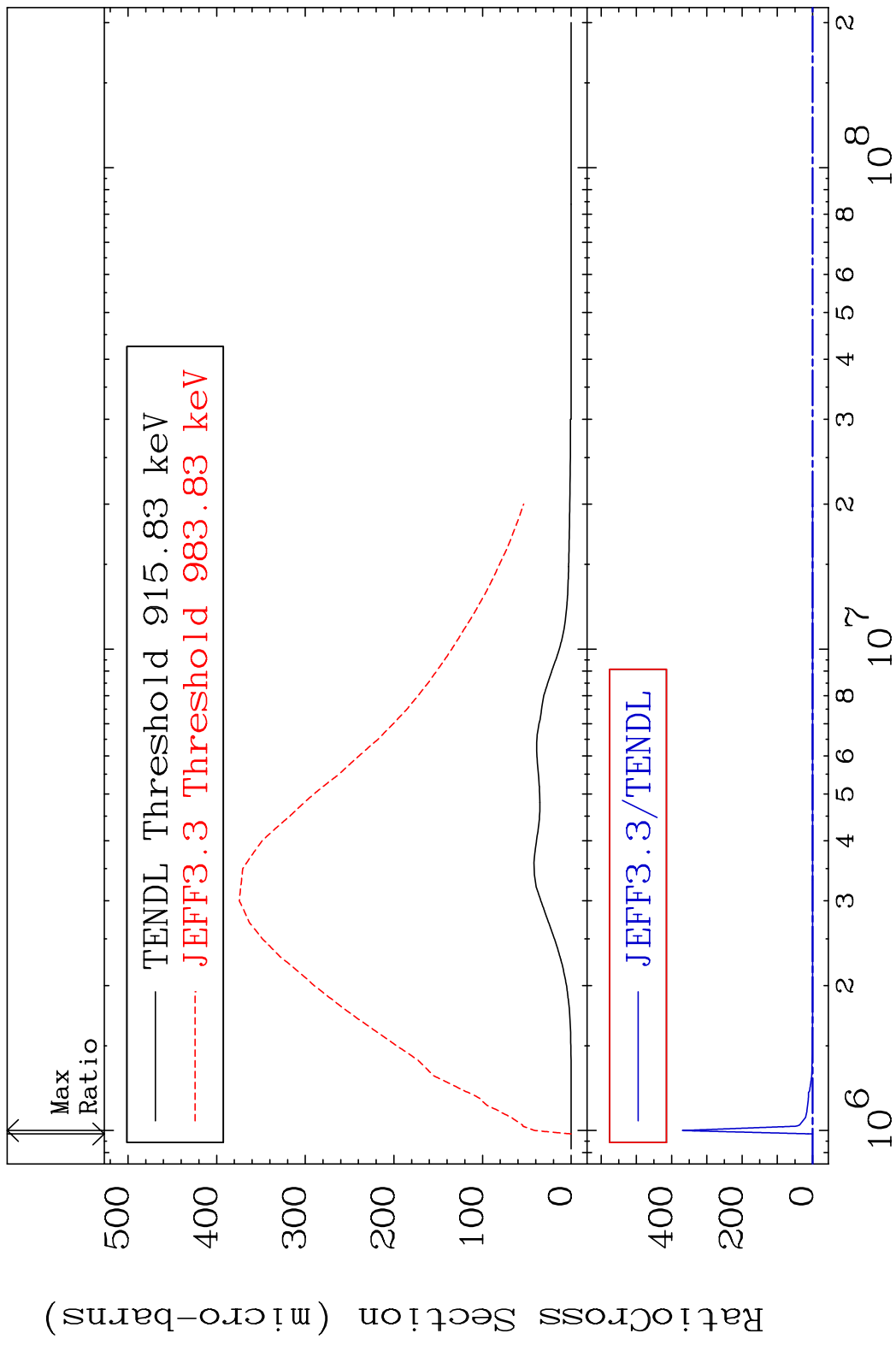
19 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 60 (n, n') Level 90-Th-228
 Cross Section -95.58 To 69.63 %



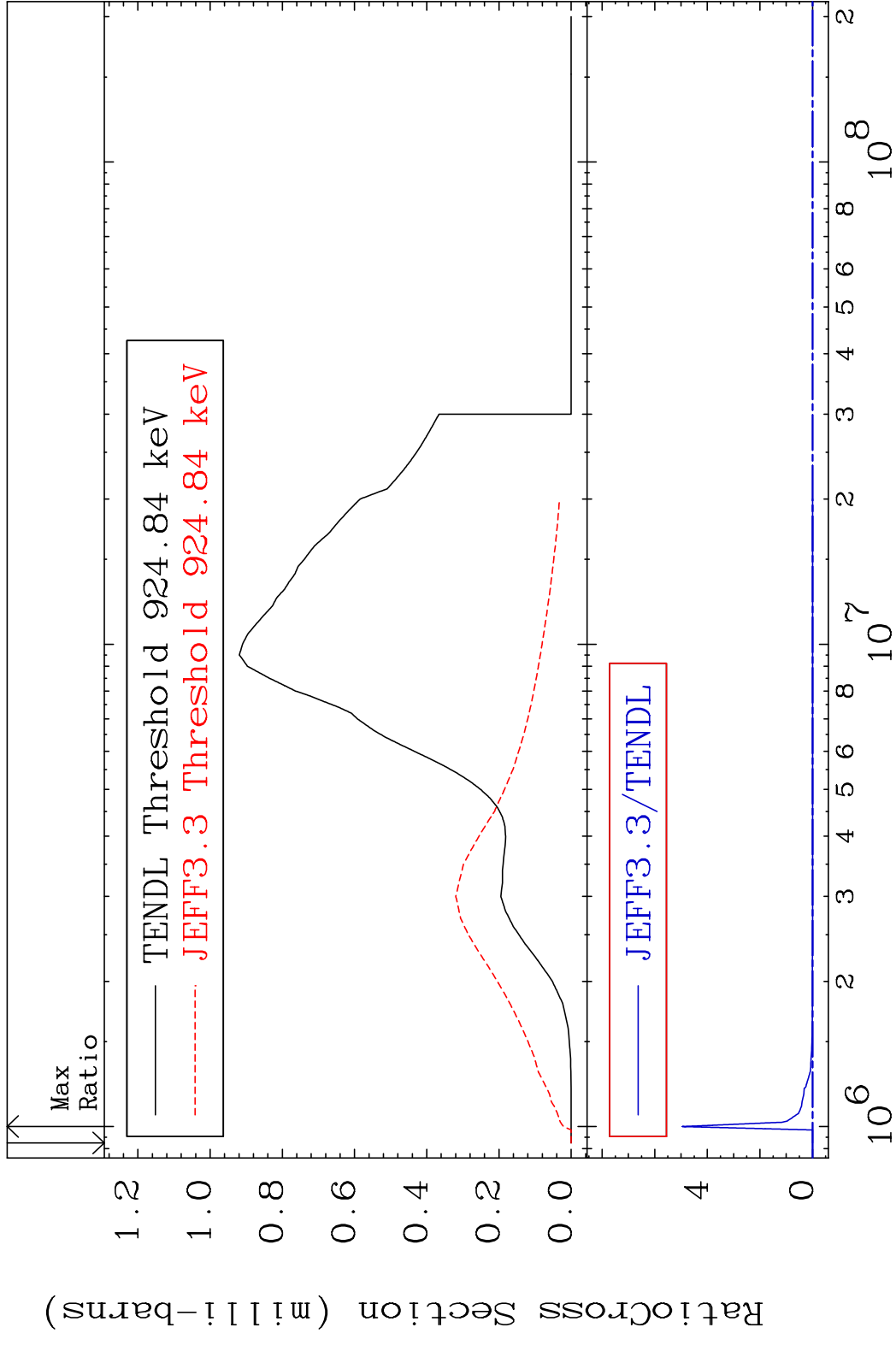
20 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 61 (n, n') Level 90-Th-228
 Cross Section -100.0 To 9999. %



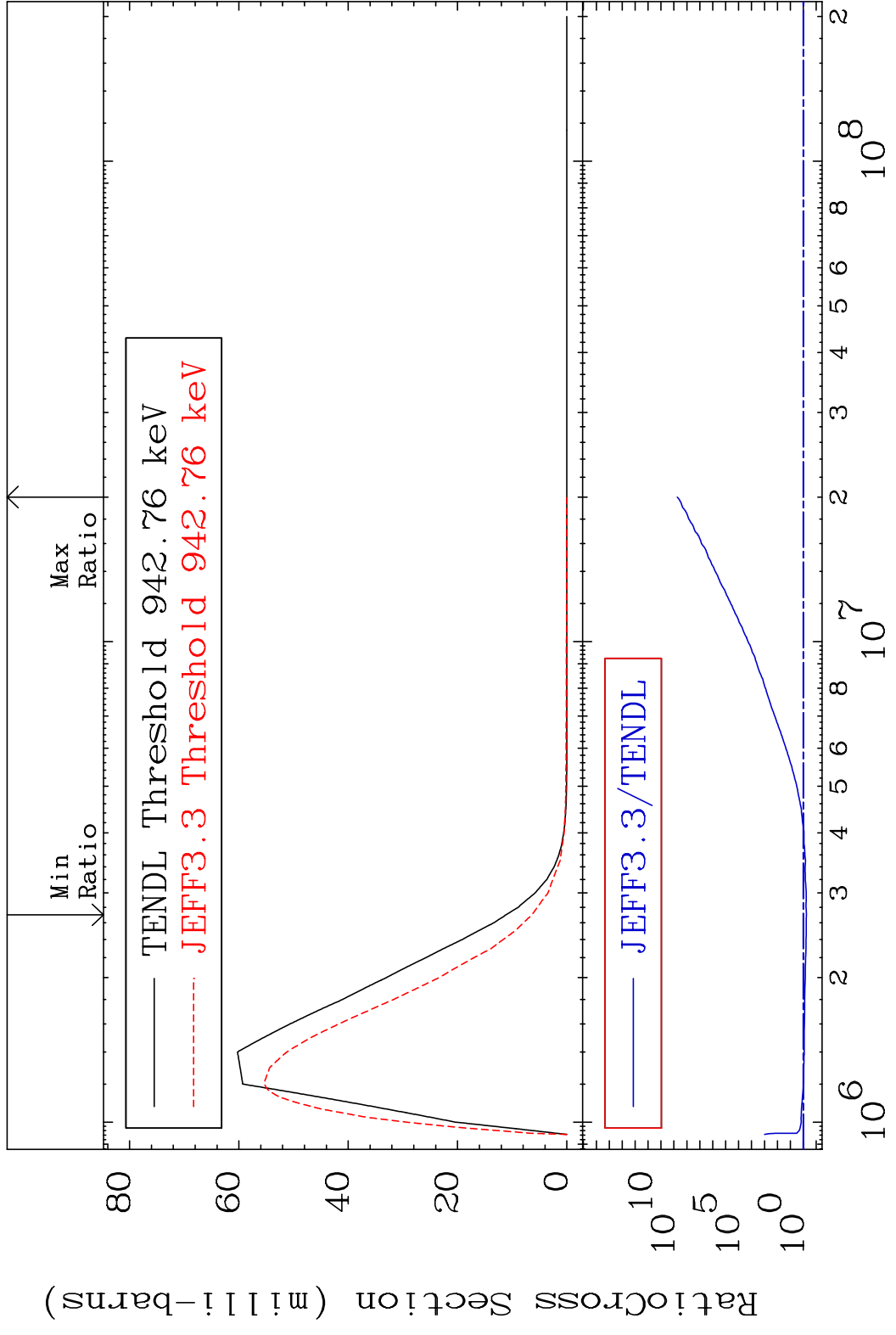
21 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 62 (n,n') Level 90-Th-228
 Cross Section -100.0 To 9999. %



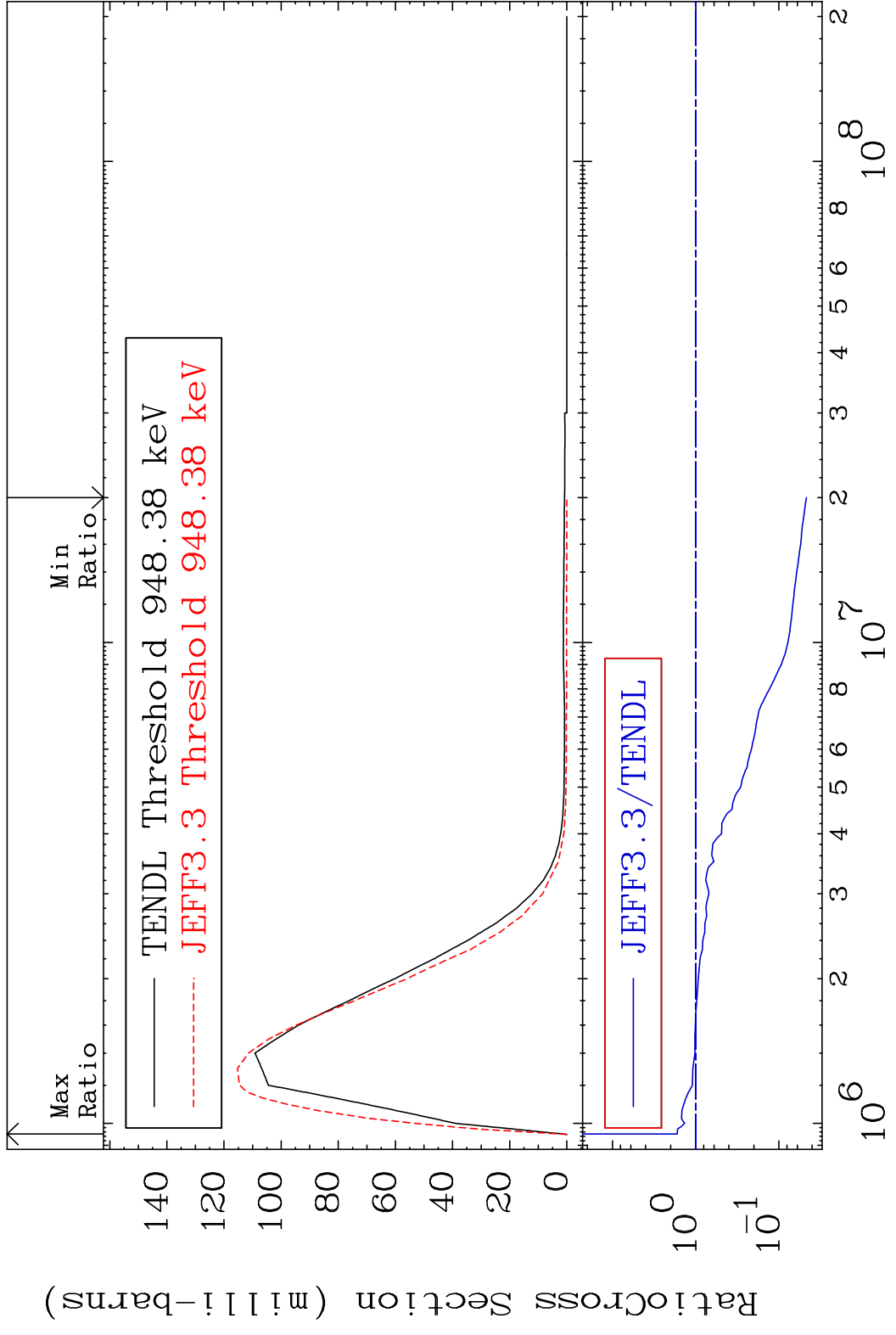
22 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 63 (n, n') Level 90-Th-228
 Cross Section -42.66 To 9999. %



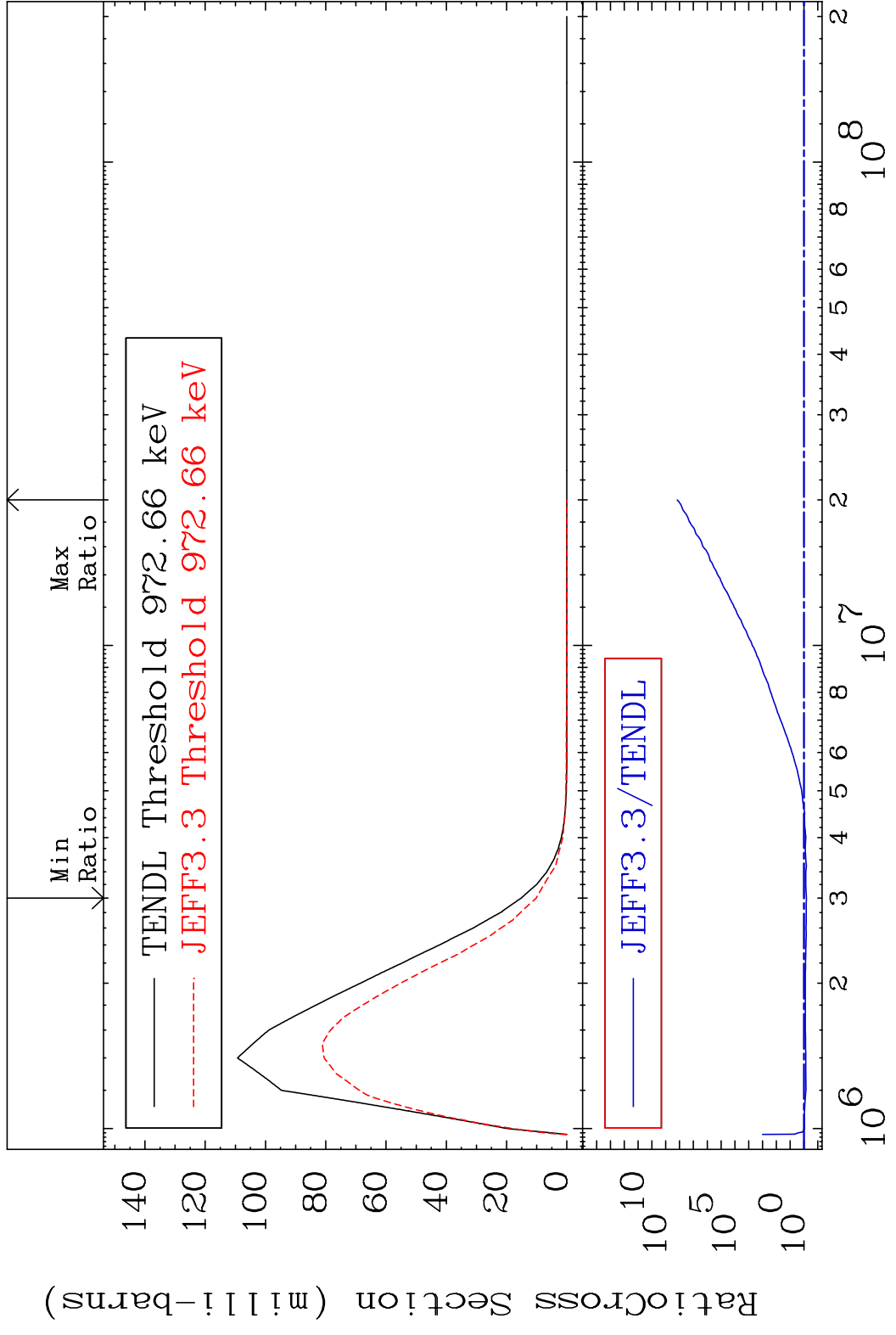
23 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 64 (n, n') Level 90-Th-228
 Cross Section -95.33 To 66.82 %



24 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 65 (n, n') Level 90-Th-228
 Cross Section -32.92 To 9999. %

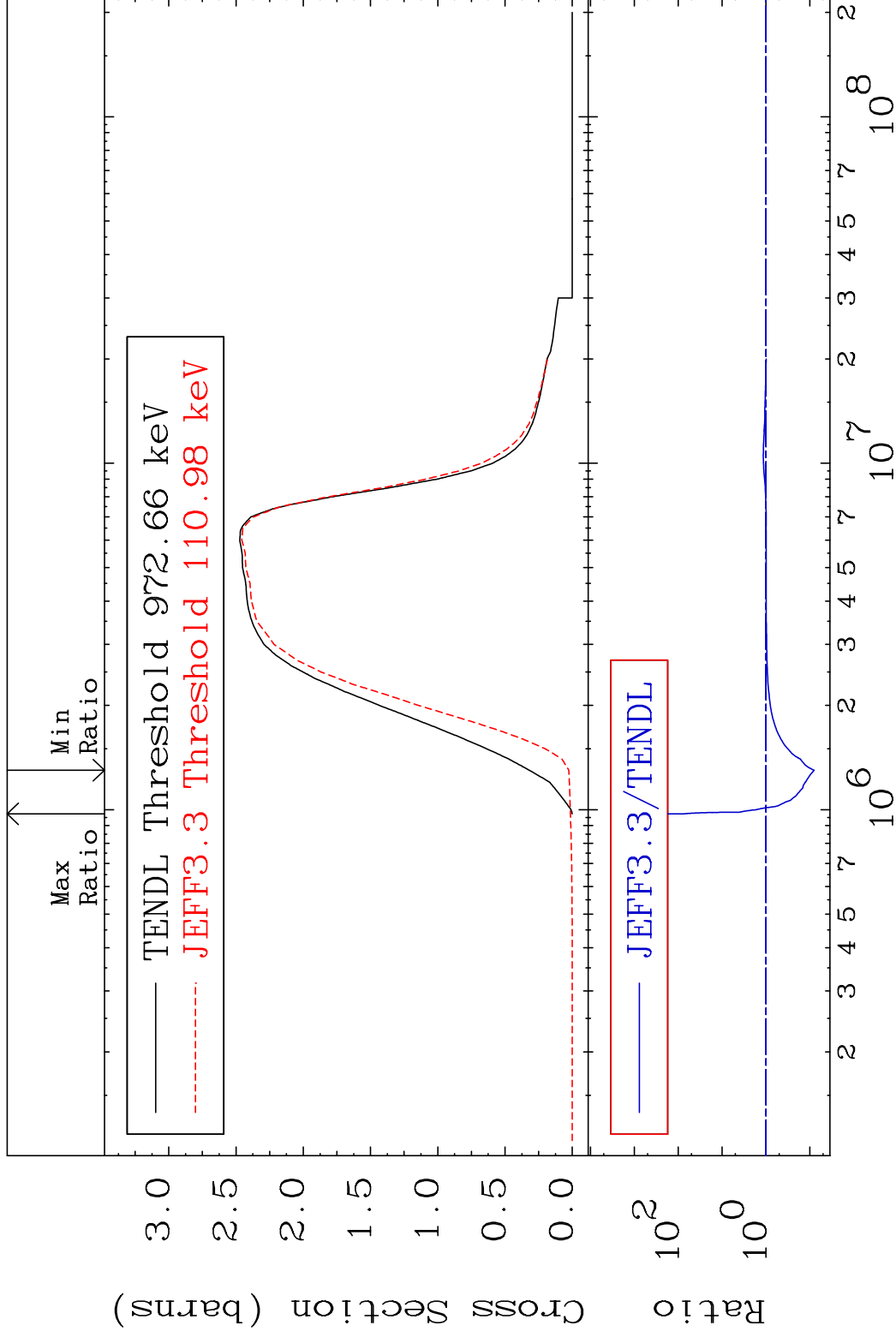


MAT 9028

(n, n') Continuum

90-Th-228

Cross Section -92.01 To 7423. %



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Incident Energy (eV)

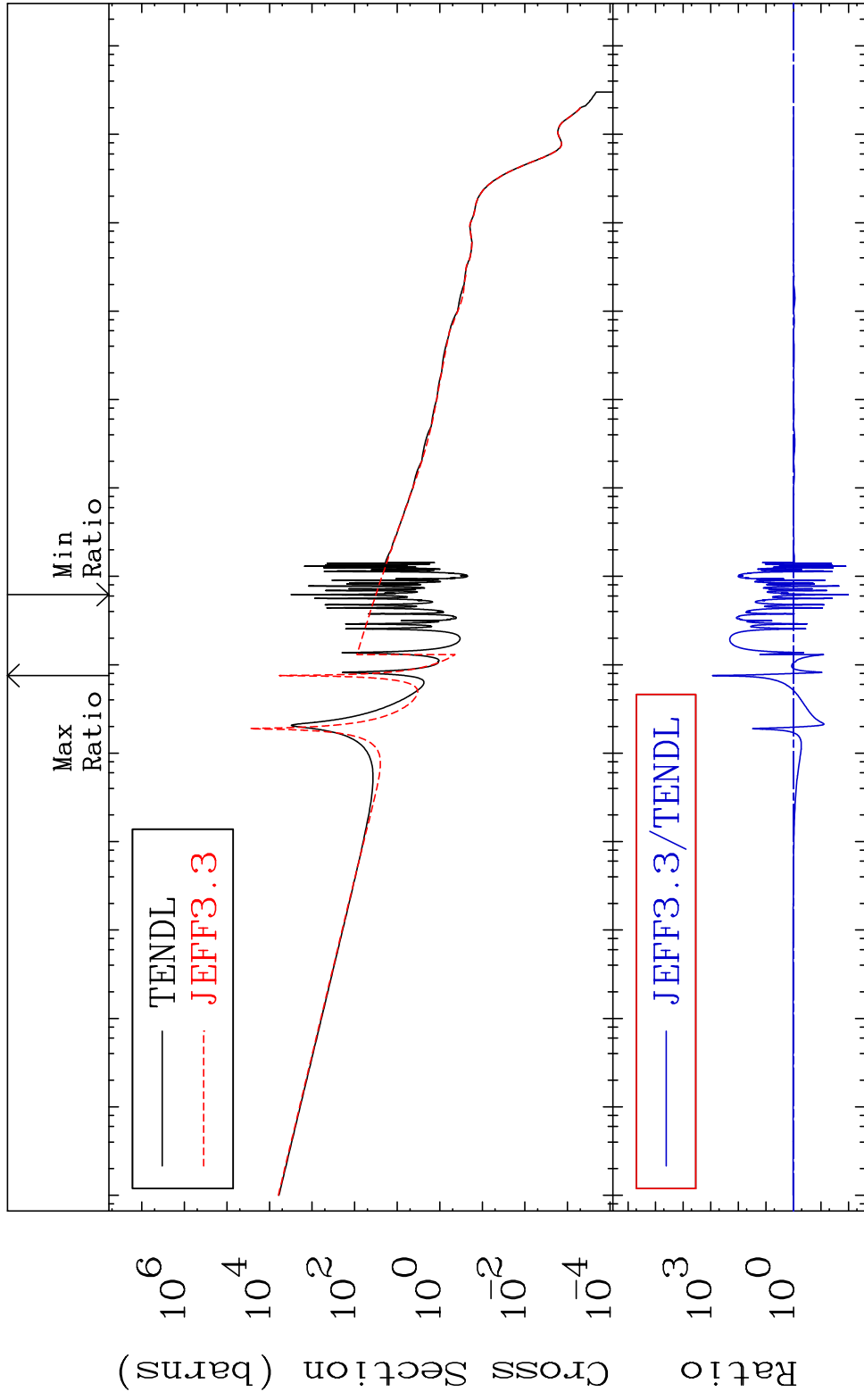
90-Th-228

MAT 9028

(n, γ)

90-Th-228

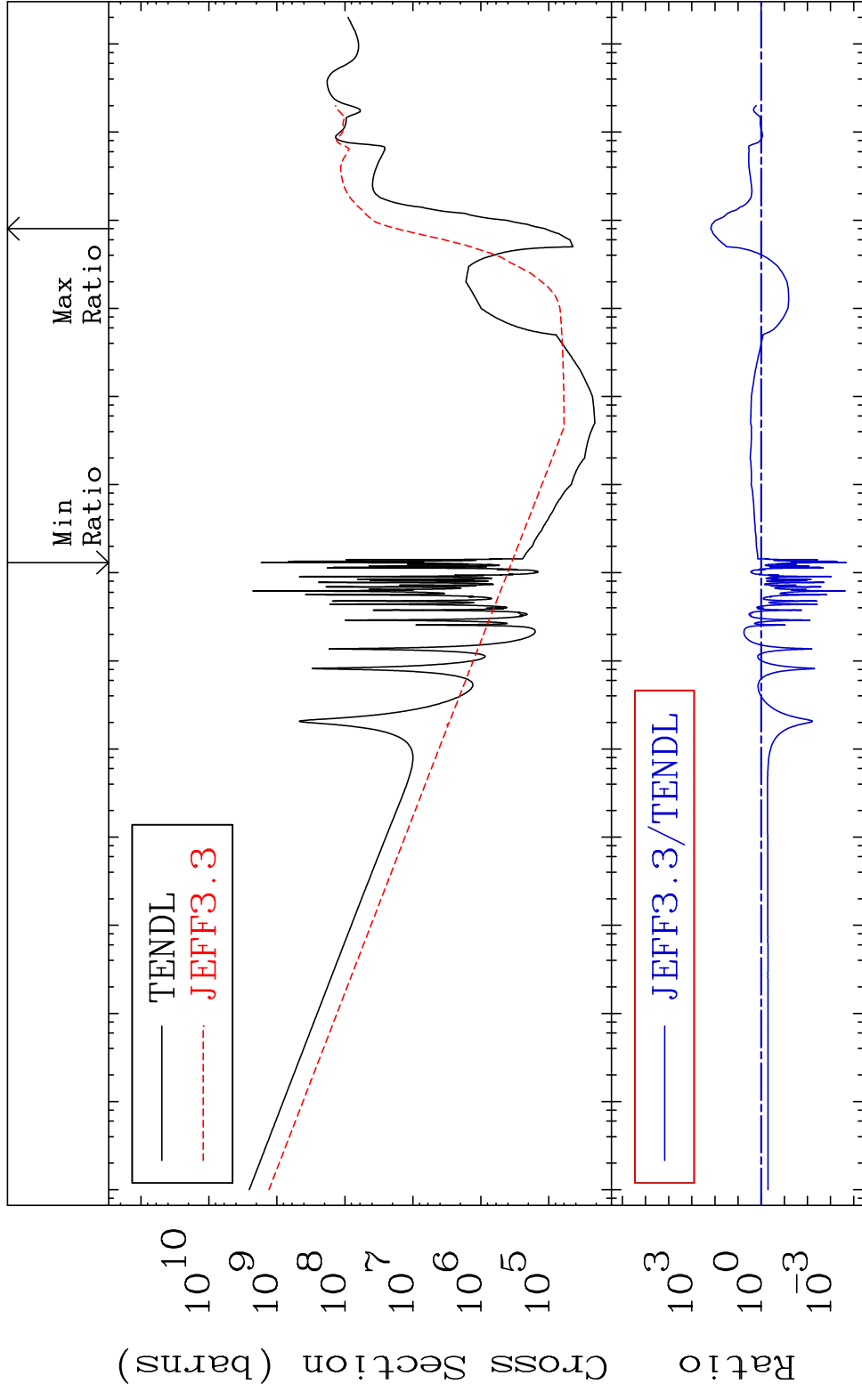
Cross Section -98.97 To 9999. %



27

Incident Energy (eV)

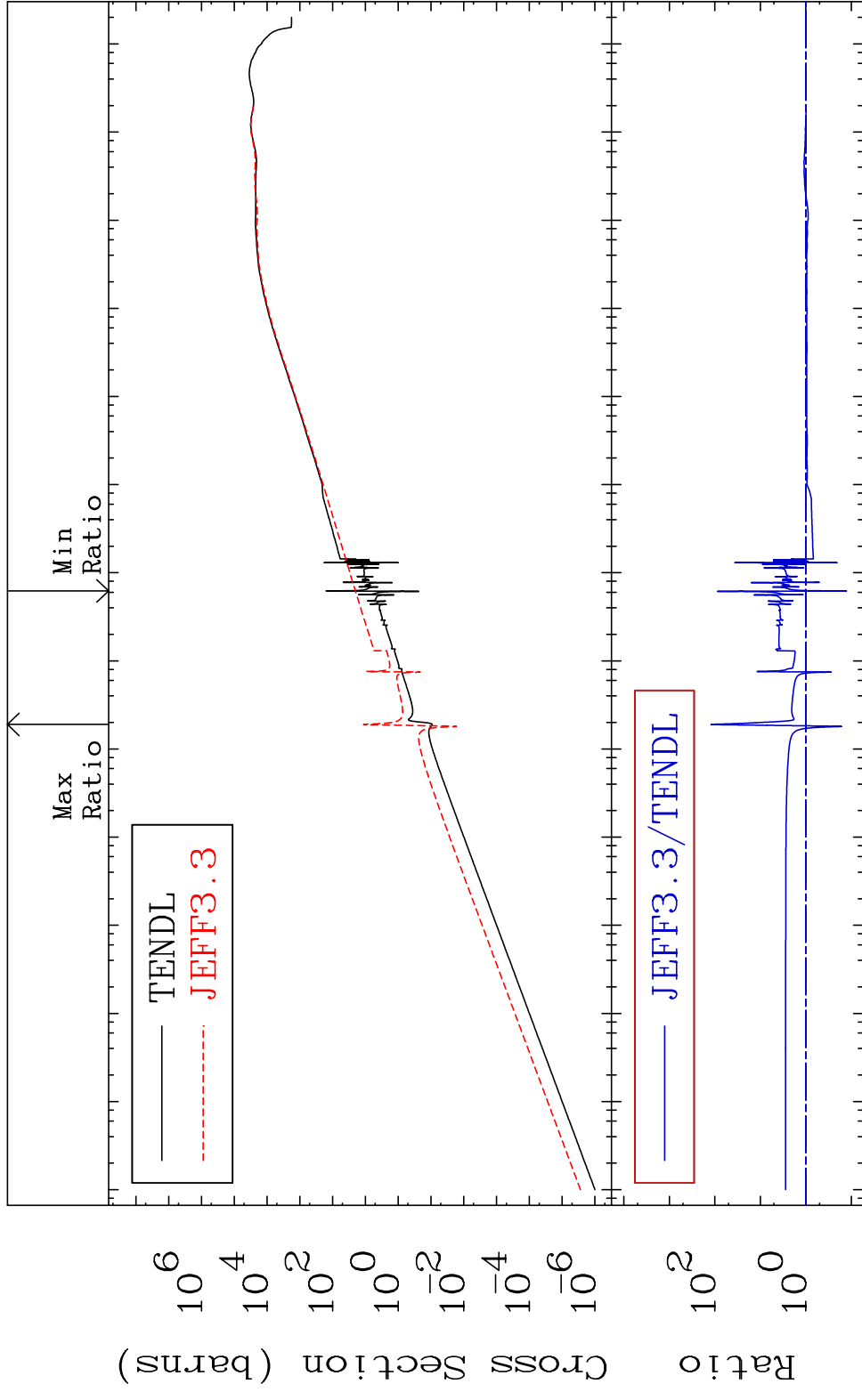
90-Th-228



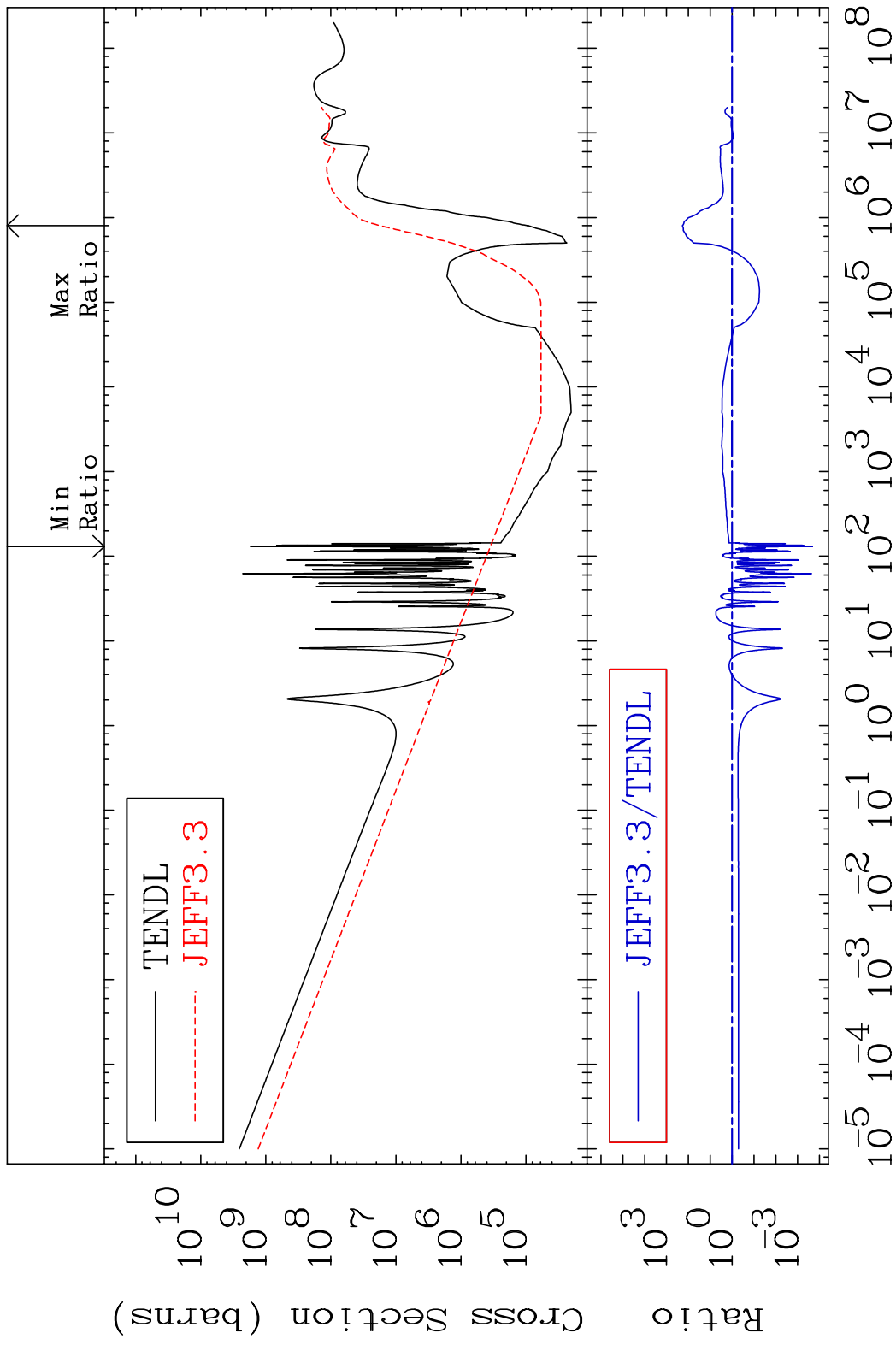
MAT 9028

Kerma elastic Cross Section -87.16 To 9999. %

90-Th-228

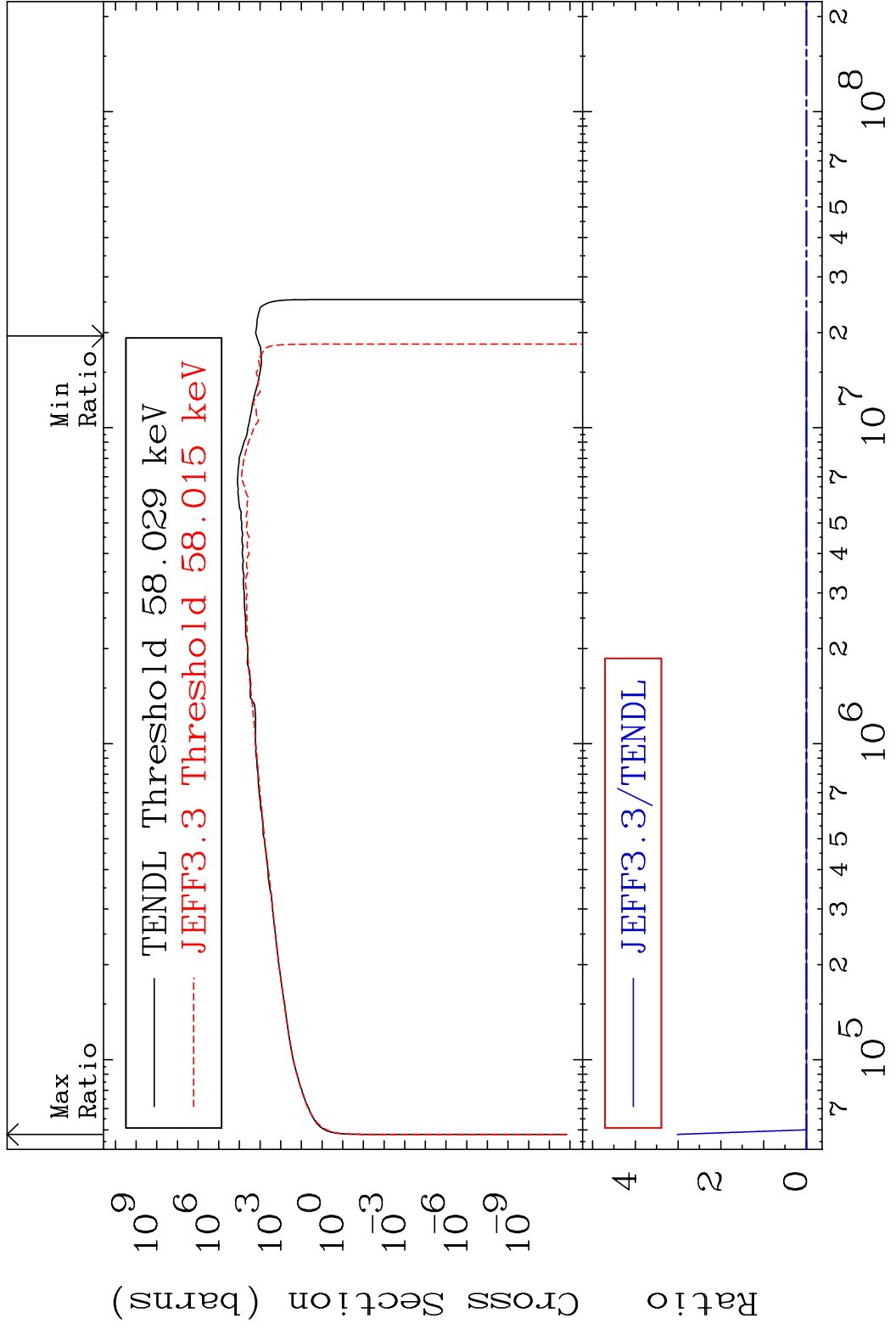


MAT 9028 Kerma non-elastic (all but mt2) 90-Th-228
 Cross Section -99.98 To 9999. %

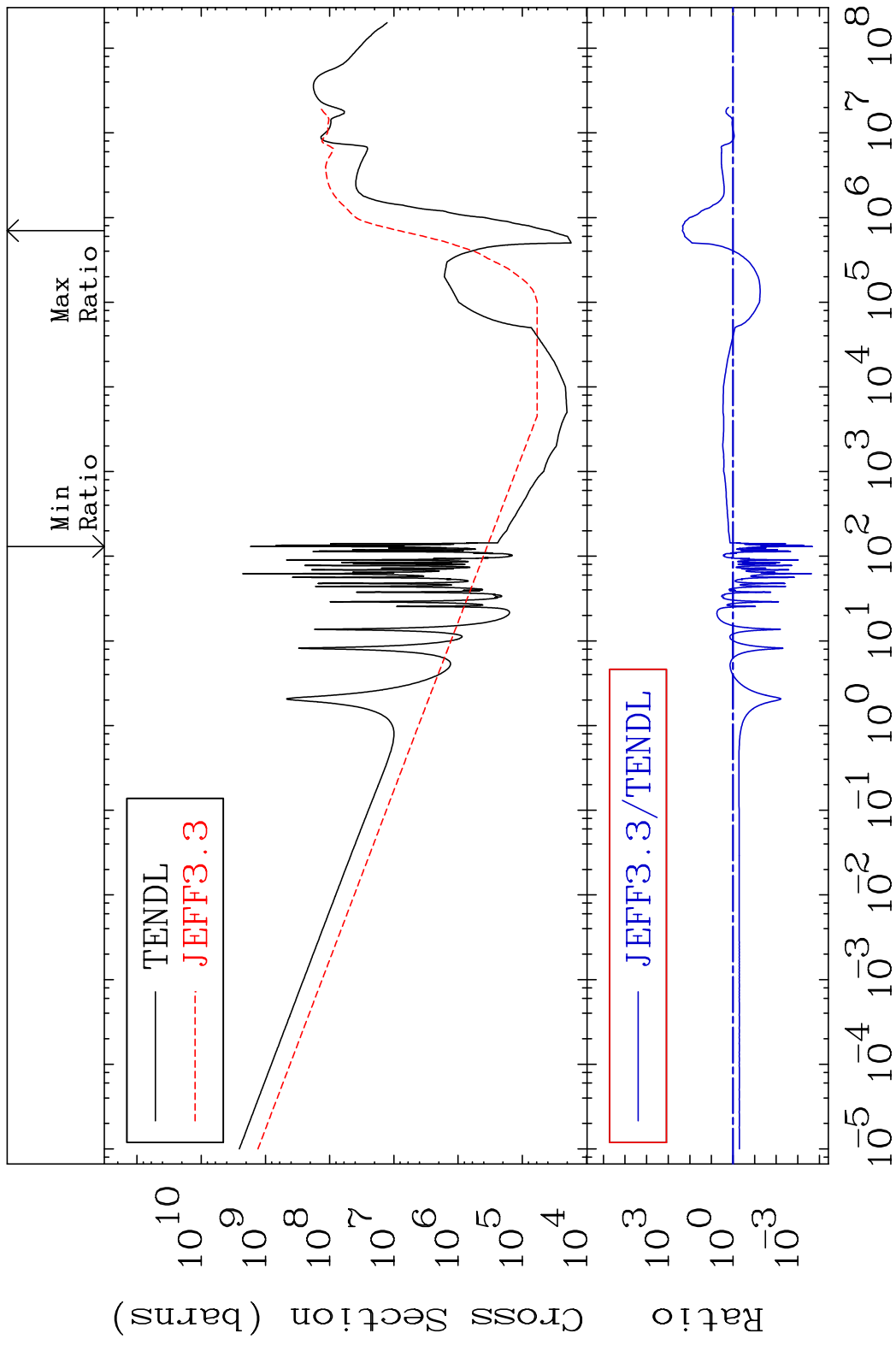


30 Incident Energy (eV) 90-Th-228

MAT 9028 Kerma inelastic (mt51-91) 90-Th-228
 Cross Section -127.9 To 9999. %

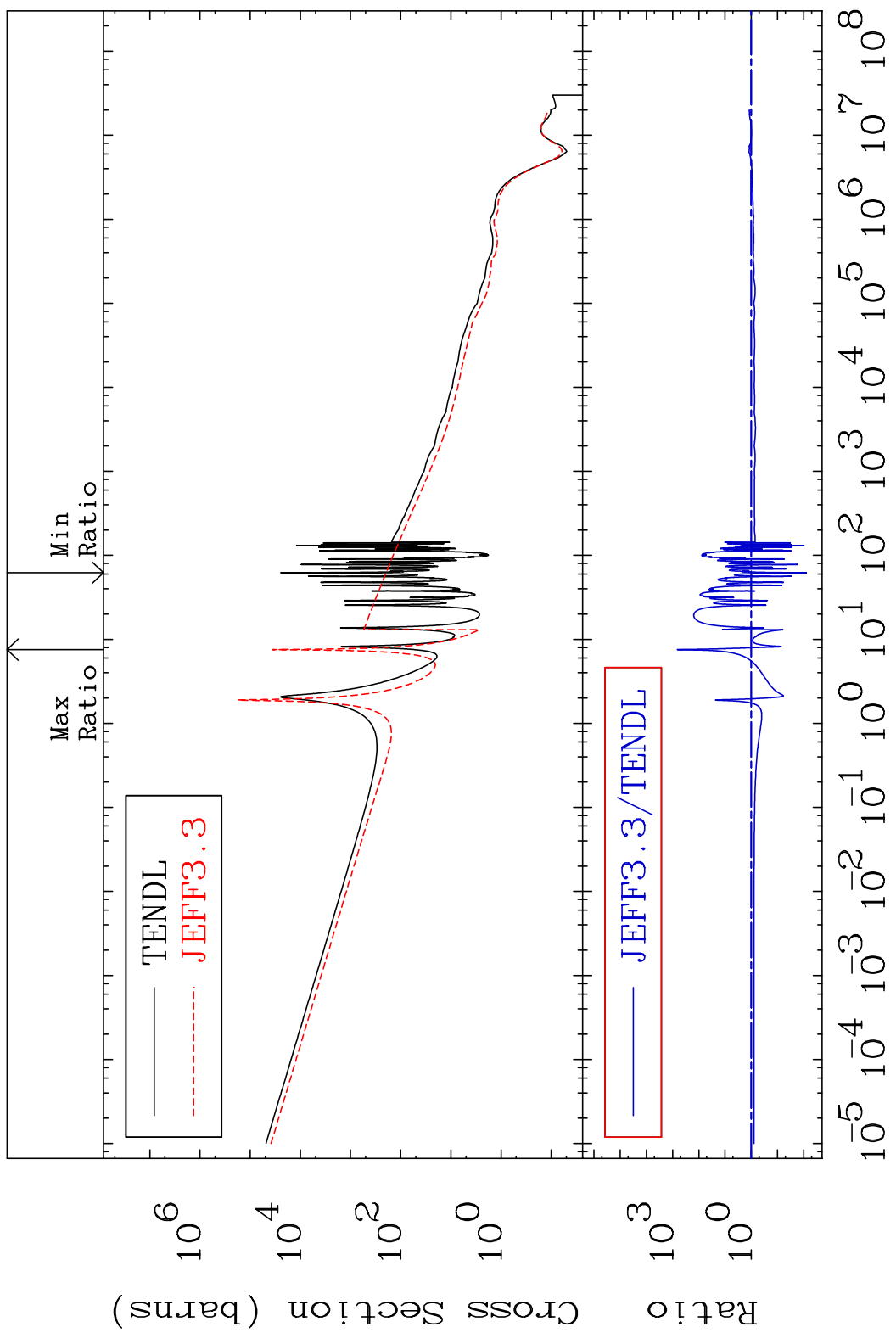


MAT 9028 Kerma fission (mt18 or mt19-20-21-38) 90-Th-228
 Cross Section -99.98 To 9999. %



MAT 9028

Kerma capture (mt102) 90-Th-228
Cross Section -99.21 To 9999. %

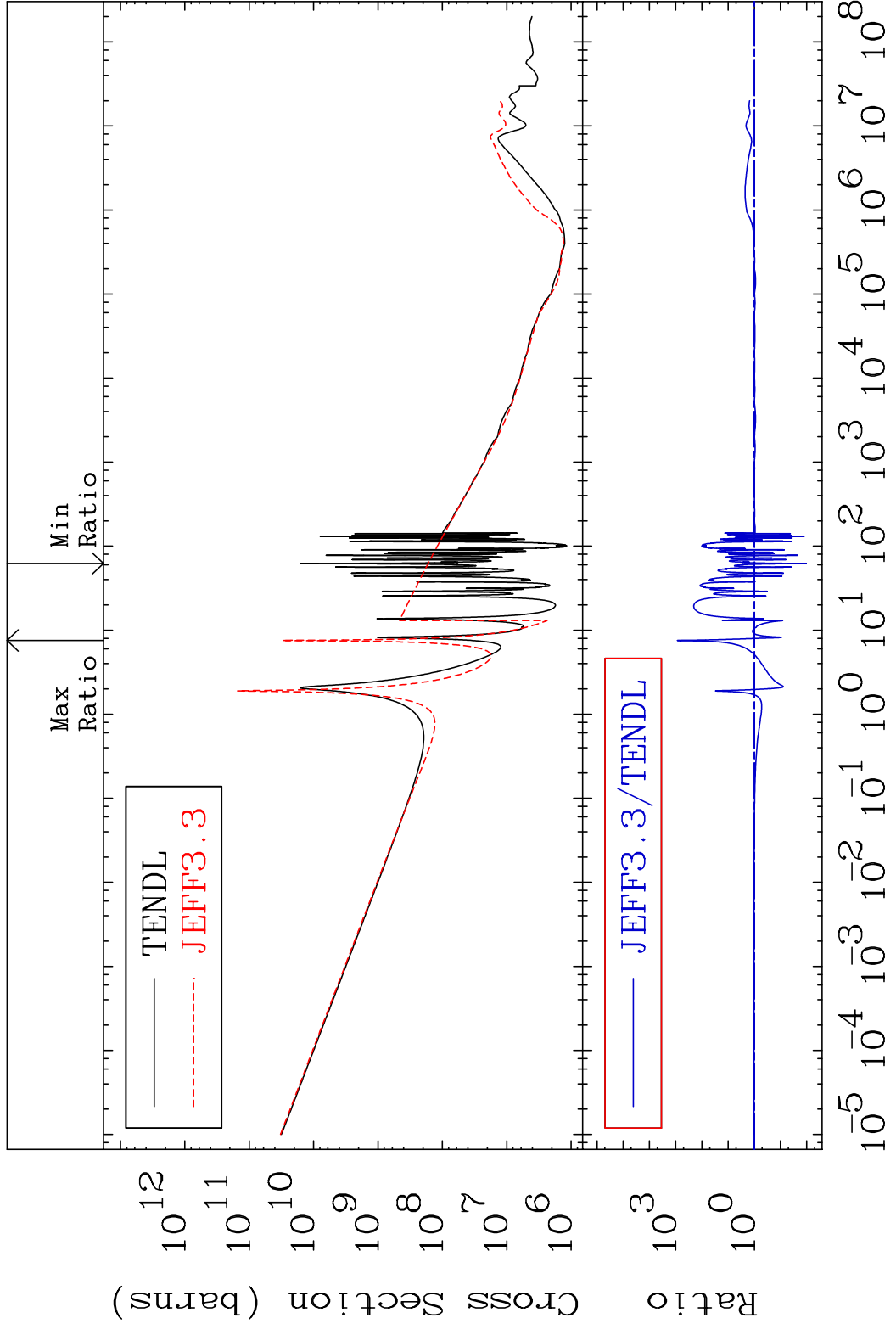


33

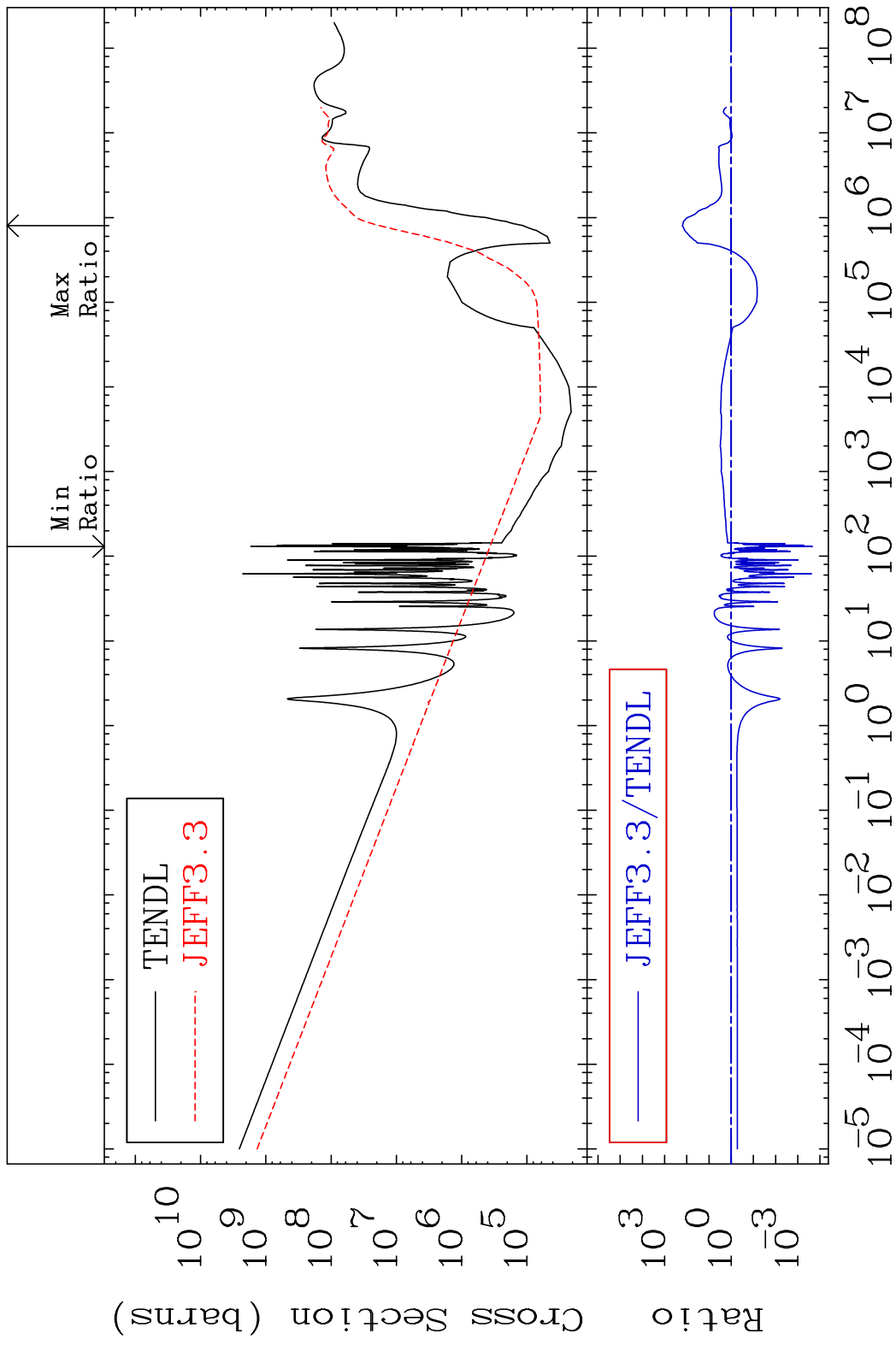
Incident Energy (eV) 90-Th-228

MAT 9028

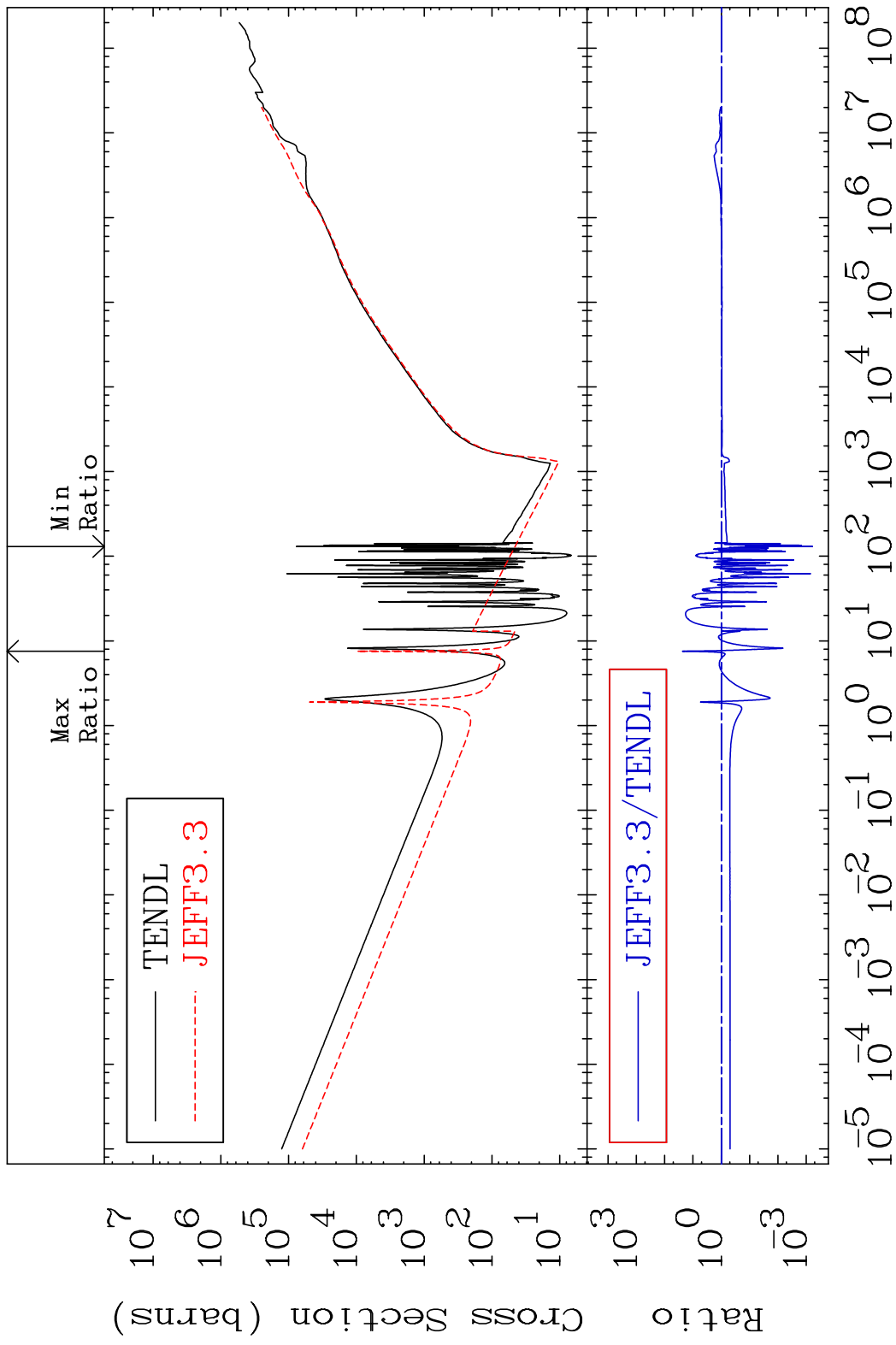
Total photon (eV-barns) 90-Th-228
Cross Section -98.97 To 9999. %



MAT 9028 Total kinematic kerma (high limit) 90-Th-228
 Cross Section -99.98 To 9999. %



MAT 9028 Dpa total (eV-barns) 90-Th-228
 Cross Section -99.94 To 2274. %

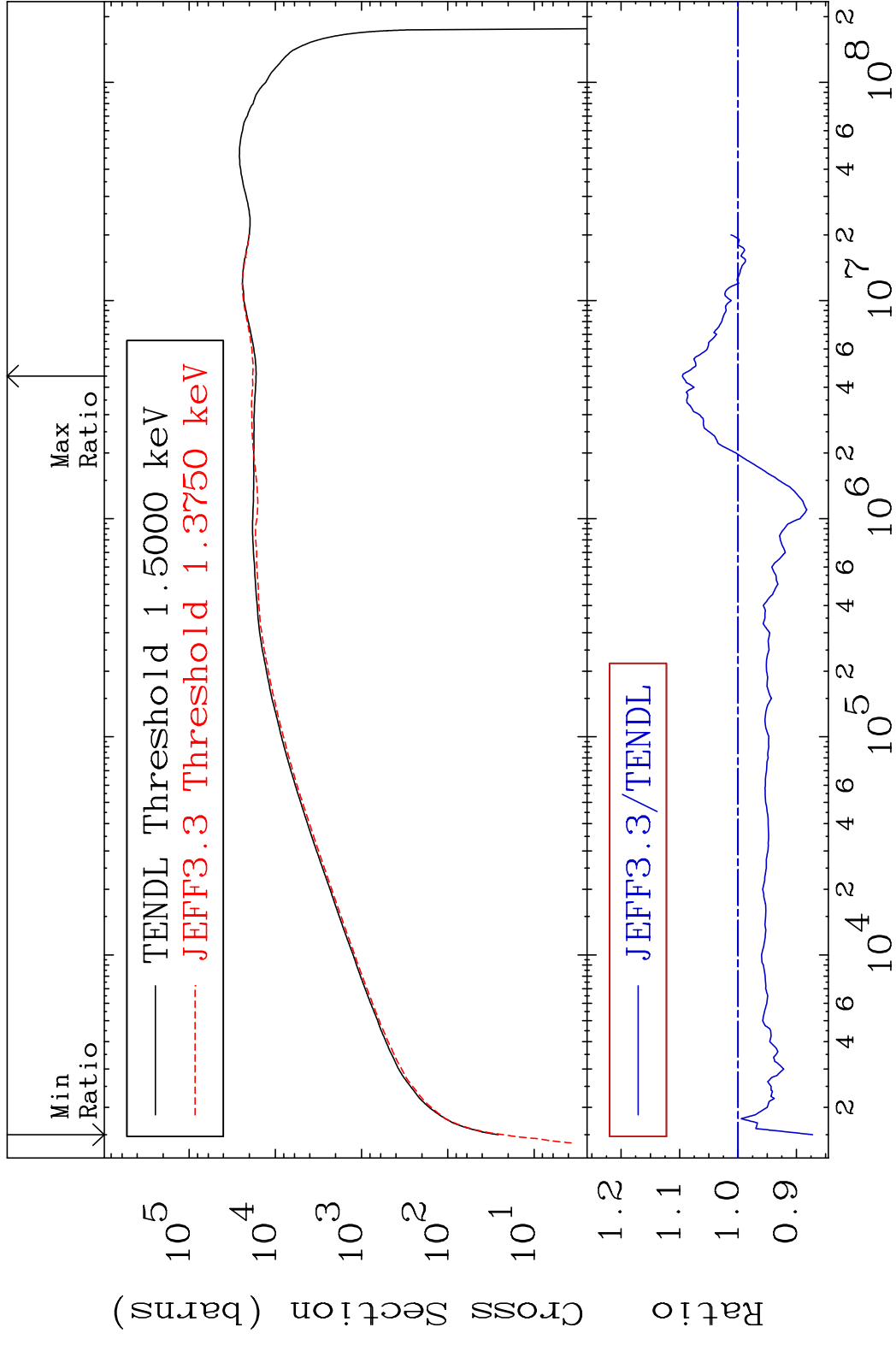


MAT 9028

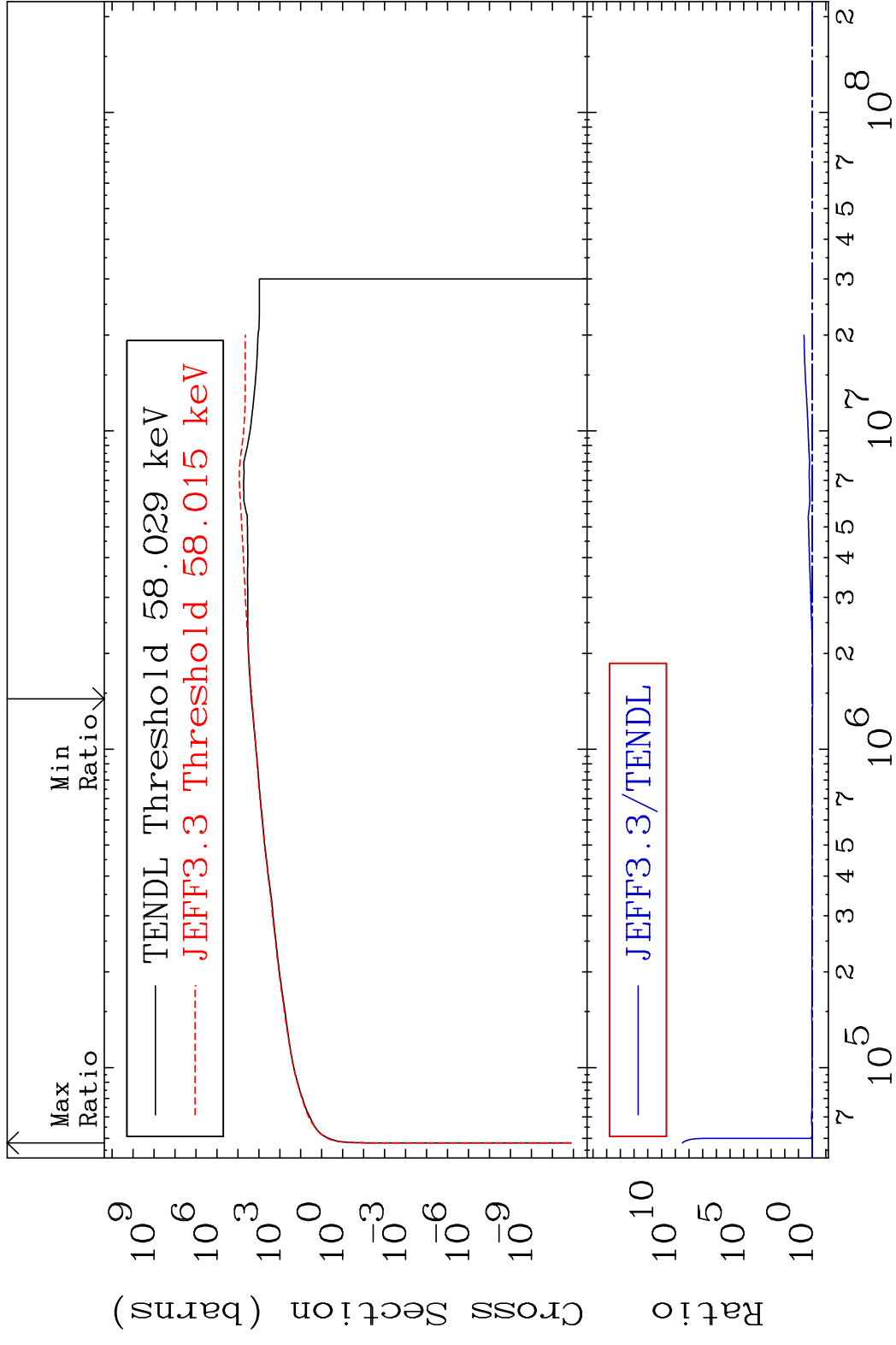
Dpa elastic (mt2)

90-Th-228

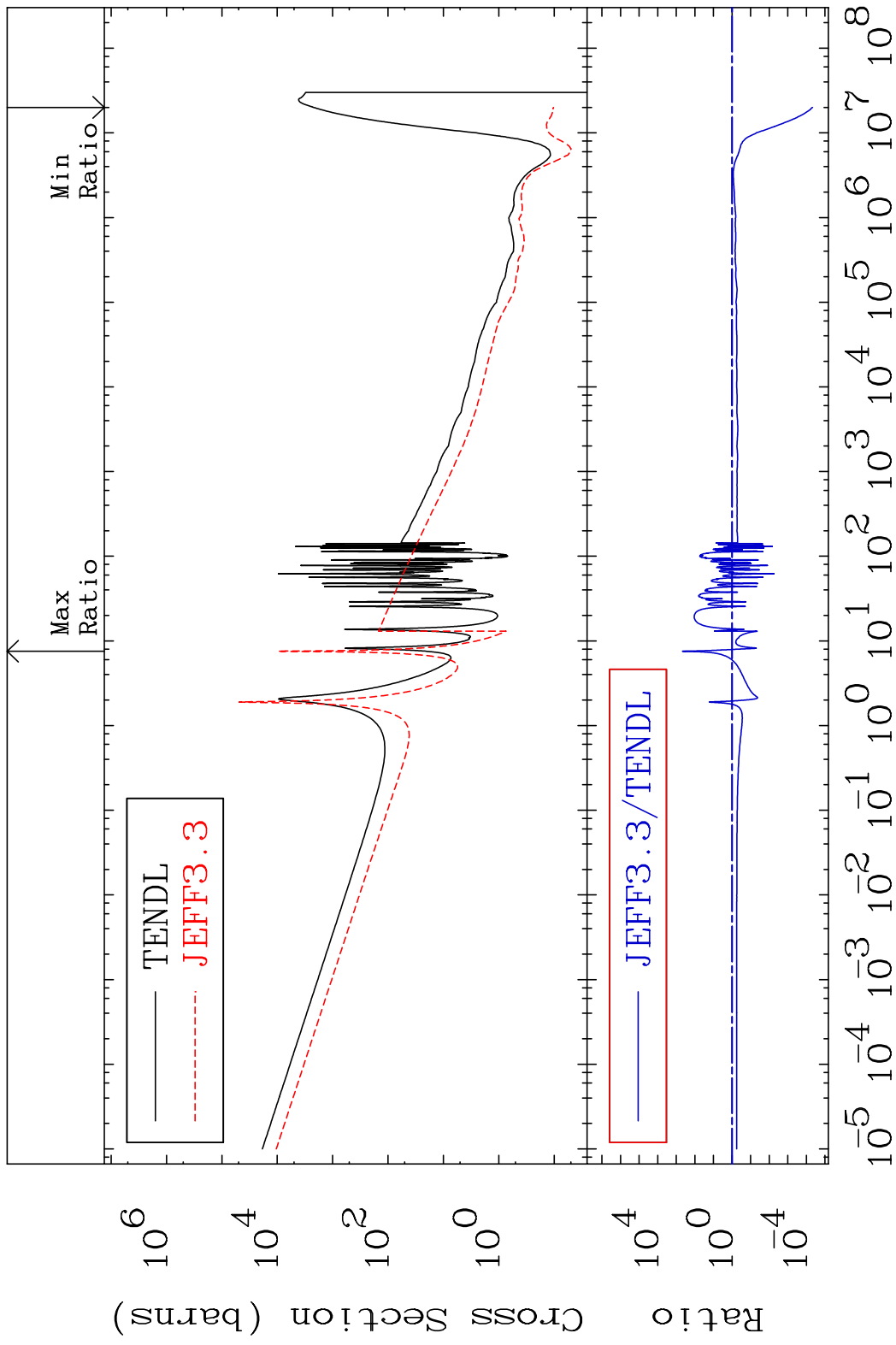
Cross Section -12.76 To 9.523 %



MAT 9028 Dpa inelastic (mt51-91) 90-Th-228
 Cross Section -5.102 To 9999. %



MAT 9028 Dpa disappearance (mt102 -120) 90-Th-228
 Cross Section -100.0 To 9999. %



39 Incident Energy (eV) 90-Th-228