

Program Complot
(Version 2021-1)

by

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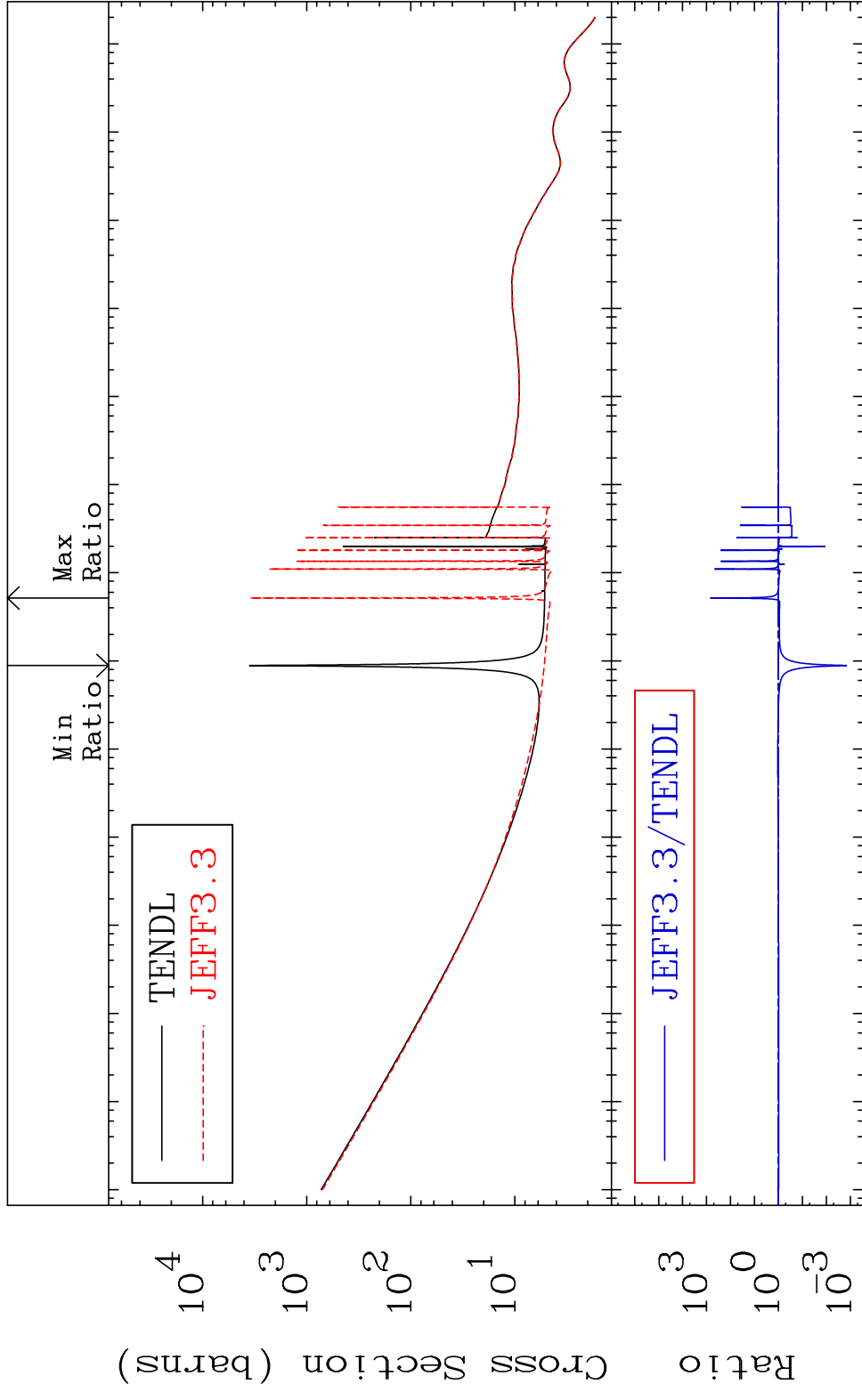
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4246

Total Cross Section -99.85 To 9999. %

42-Mo-99



1

Incident Energy (eV)

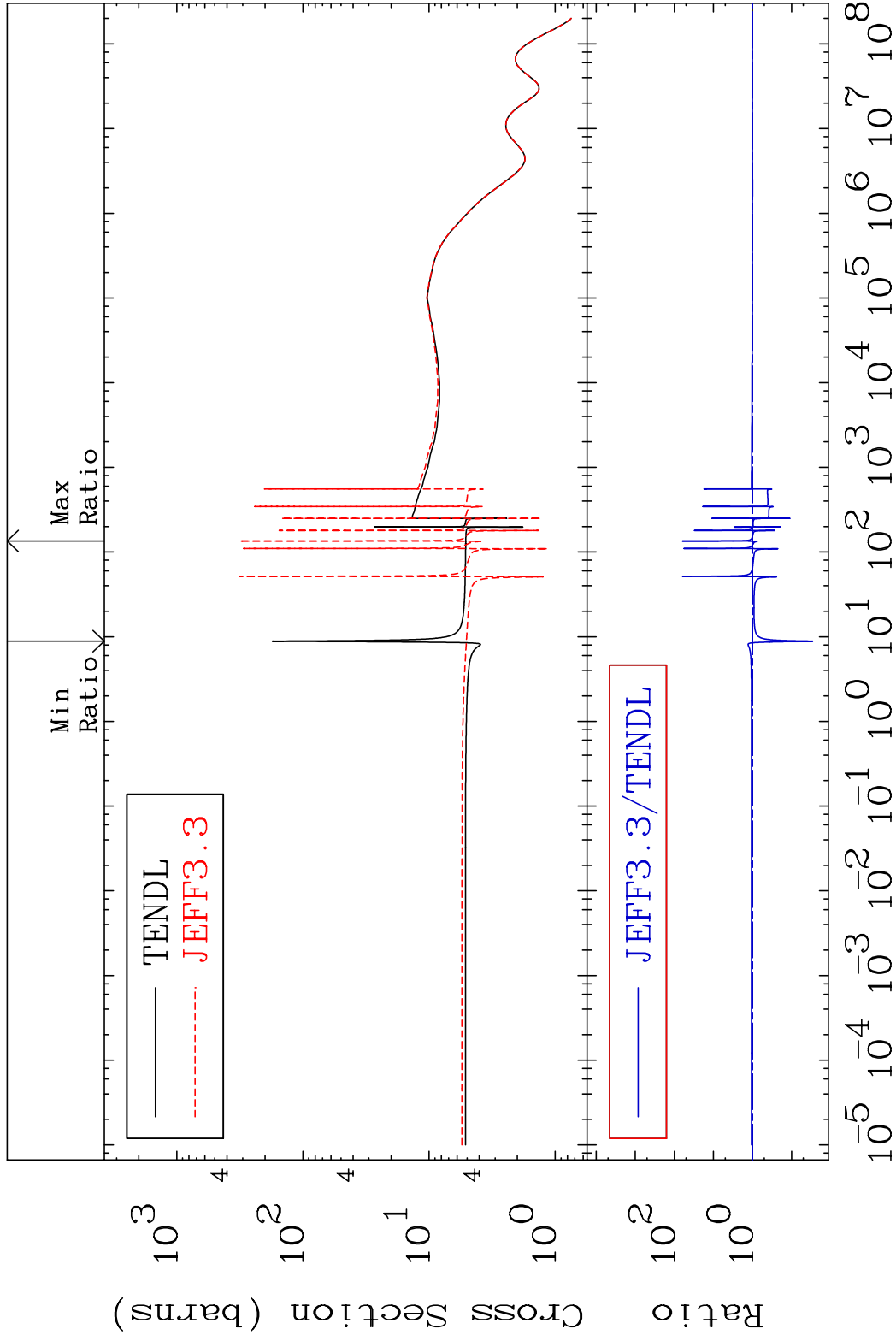
42-Mo-99

MAT 4246

Elastic

42-Mo-99

Cross Section -97.10 To 6138. %

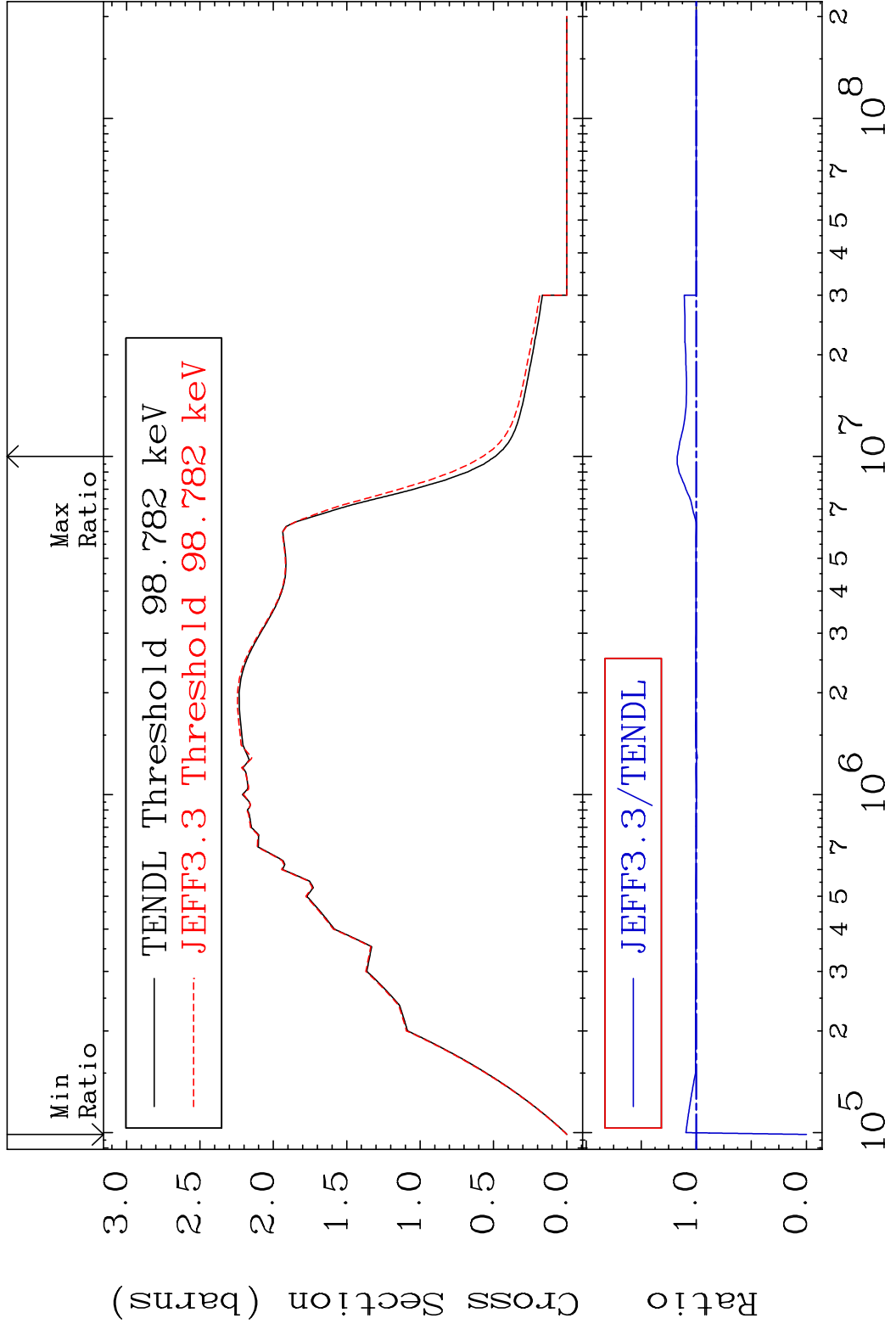


2

Incident Energy (eV)

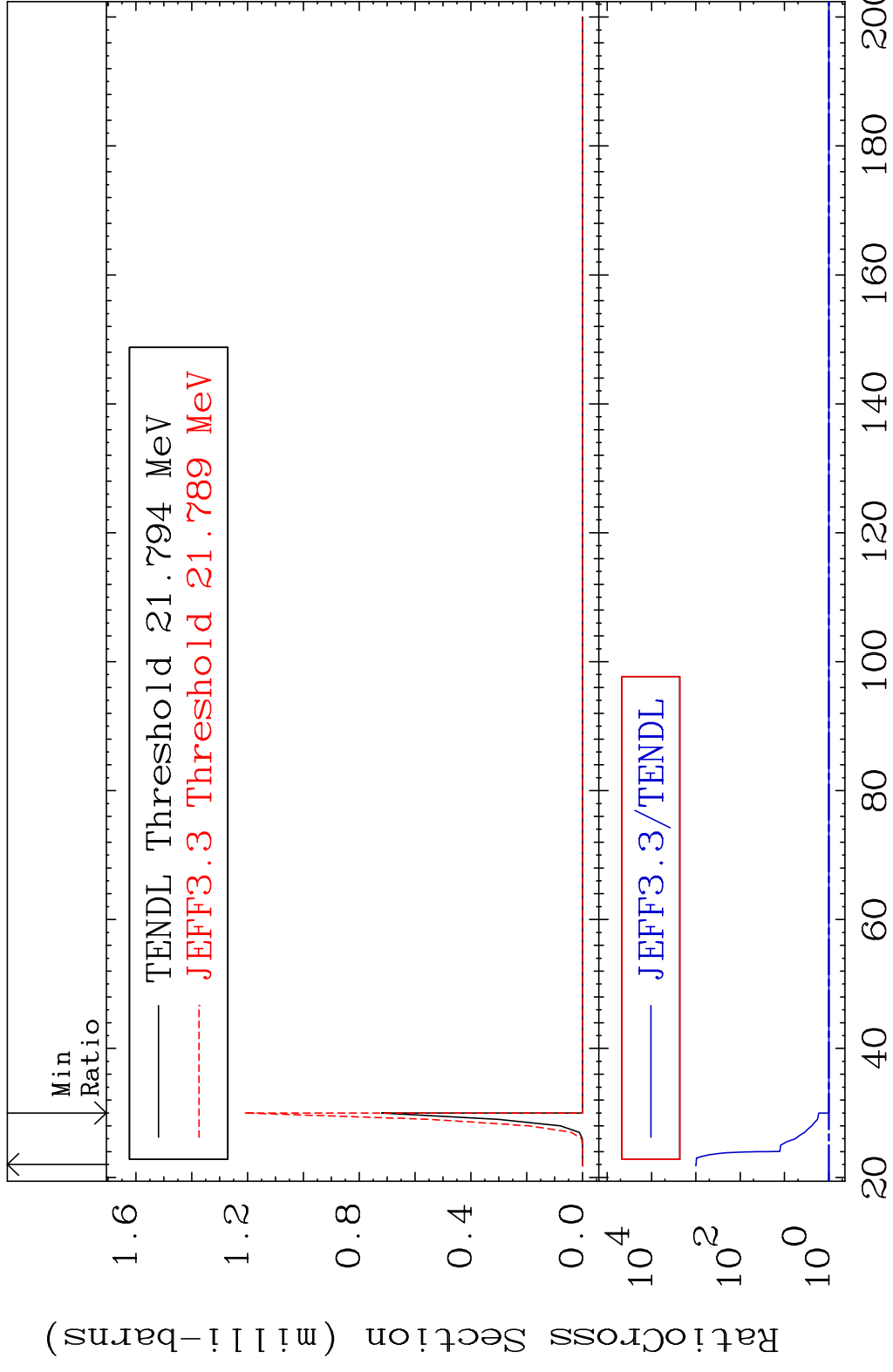
42-Mo-99

MAT 4246 Inelastic Cross Section -100.0 To 17.32 % 42-Mo-99



3 10⁵ 10⁶ 10⁷ 10⁸ 2 42-Mo-99

MAT 4246 (n,2n) d 42-Mo-99
 Cross Section 0.000 To 9999. %

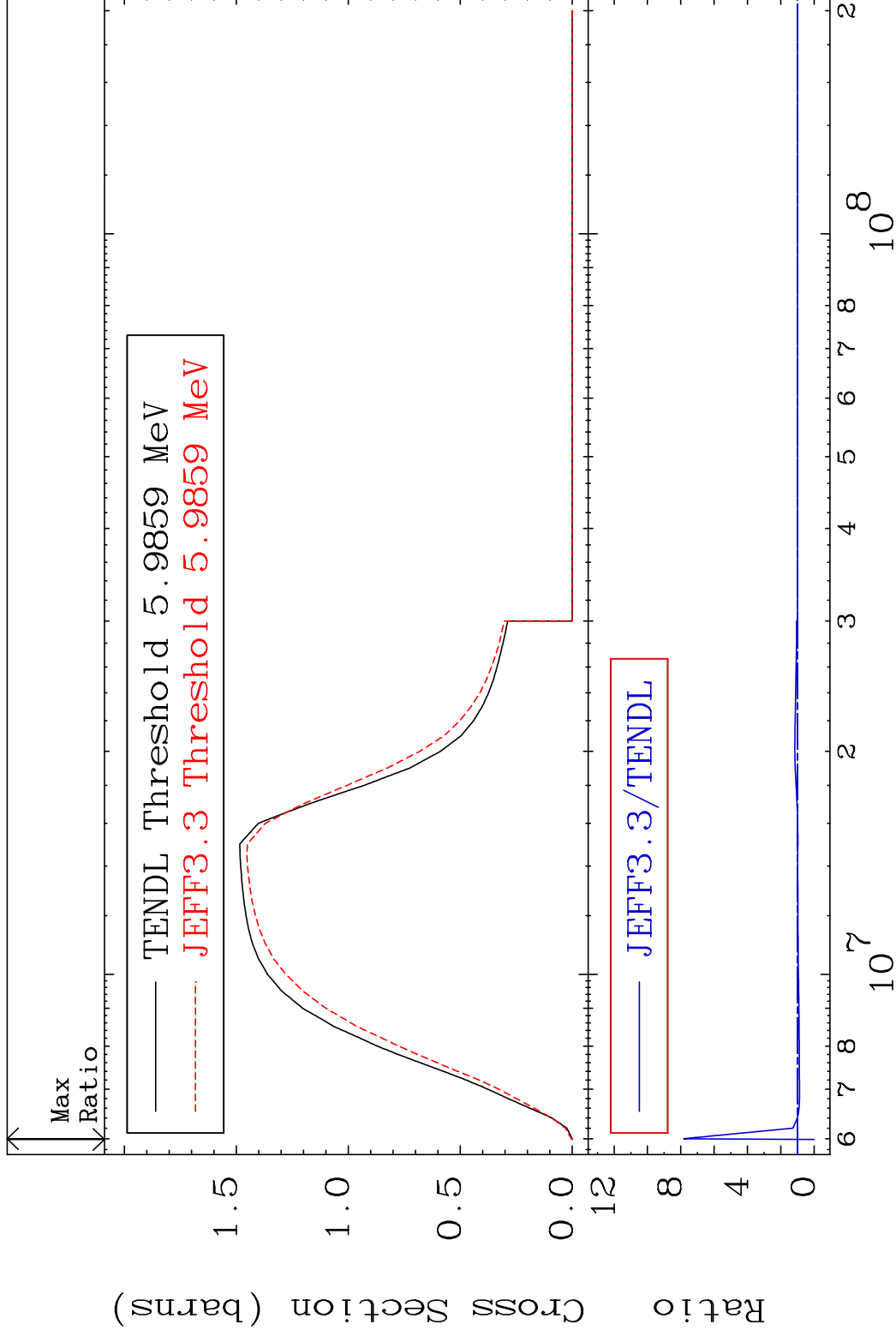


MAT 4246

(n,2n)

42-Mo-99

Cross Section -100.0 To 682.8 %



5

Incident Energy (eV)

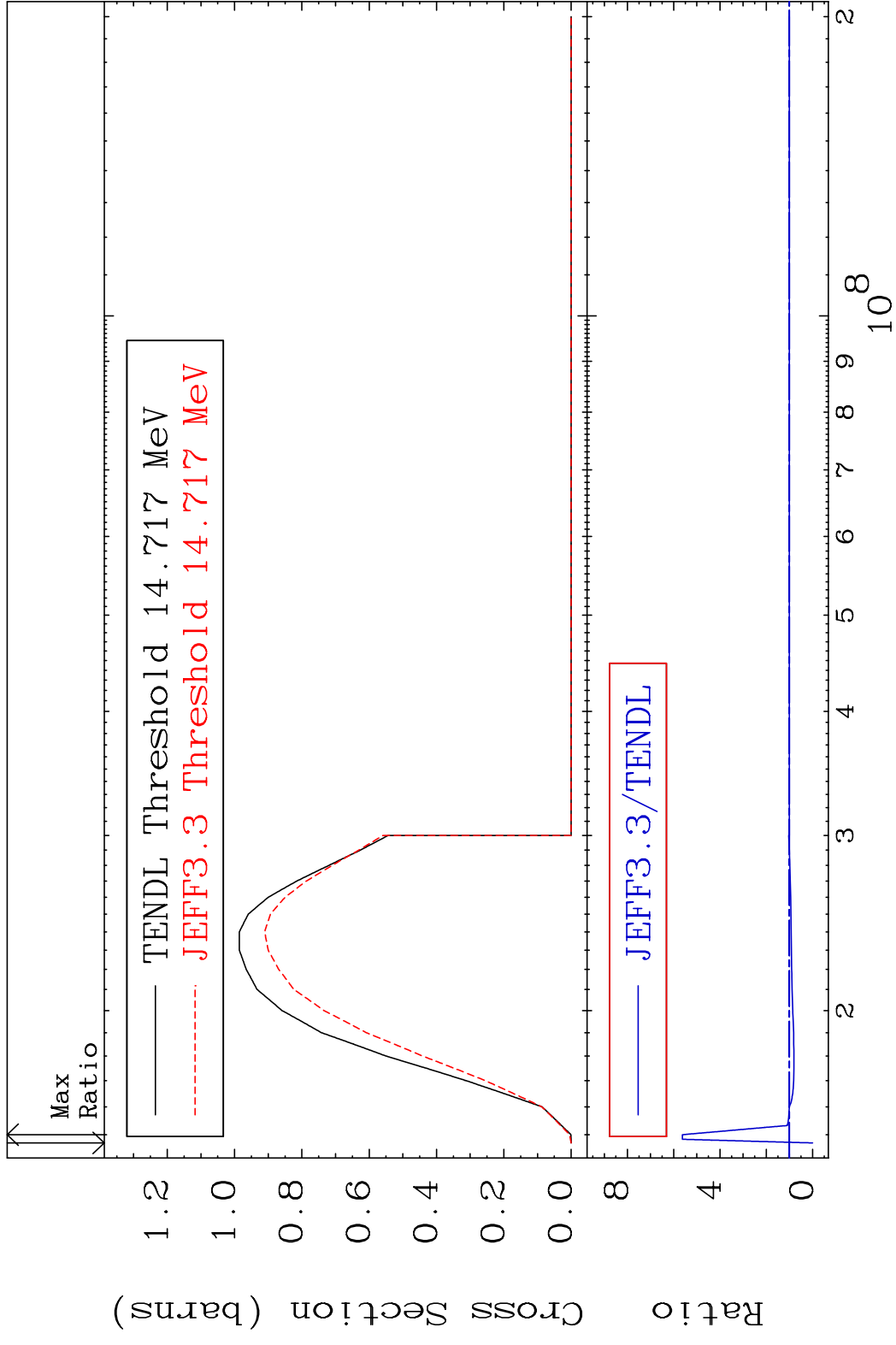
42-Mo-99

MAT 4246

(n,3n)

42-Mo-99

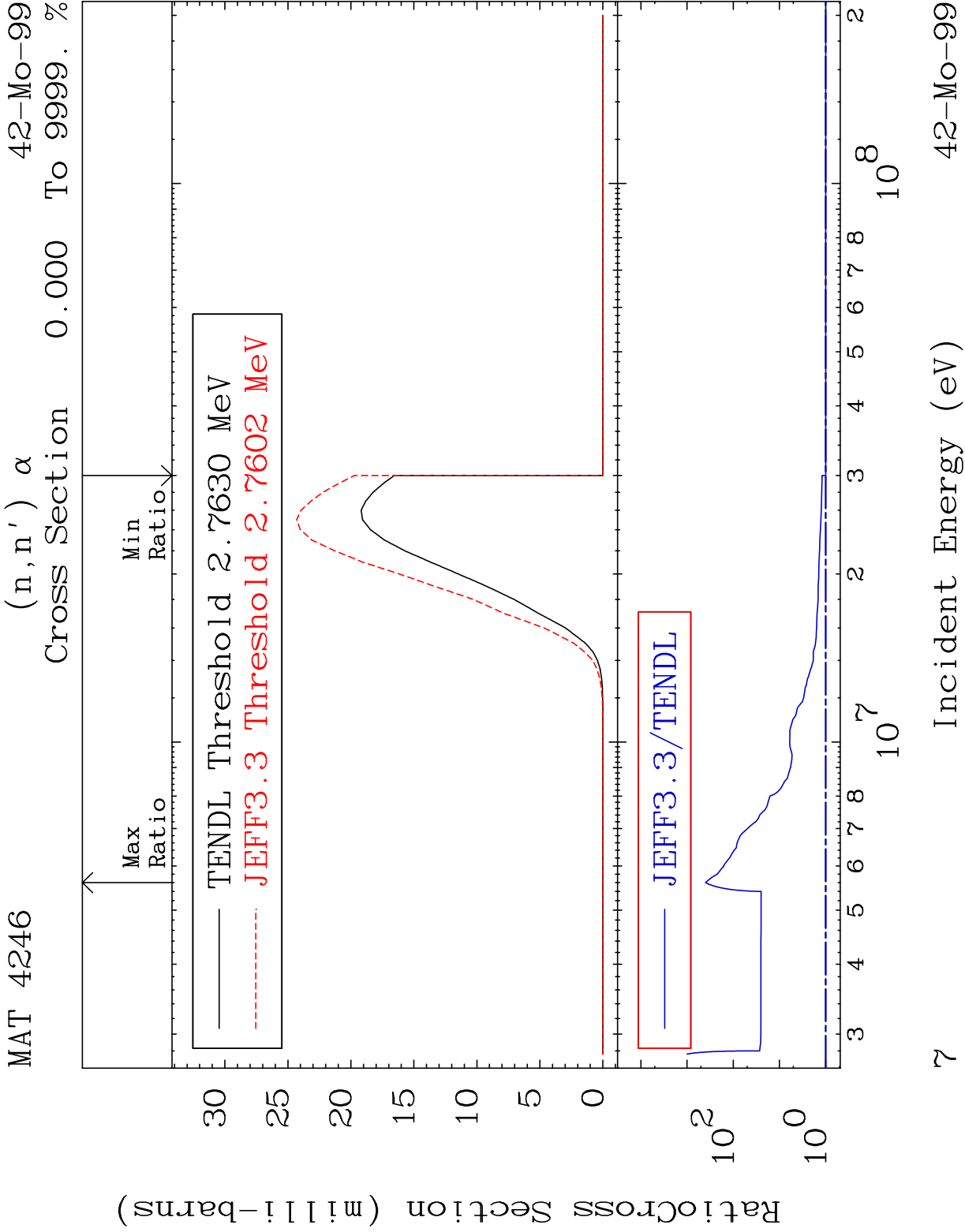
Cross Section -100.0 To 462.6 %



6

Incident Energy (eV)

42-Mo-99

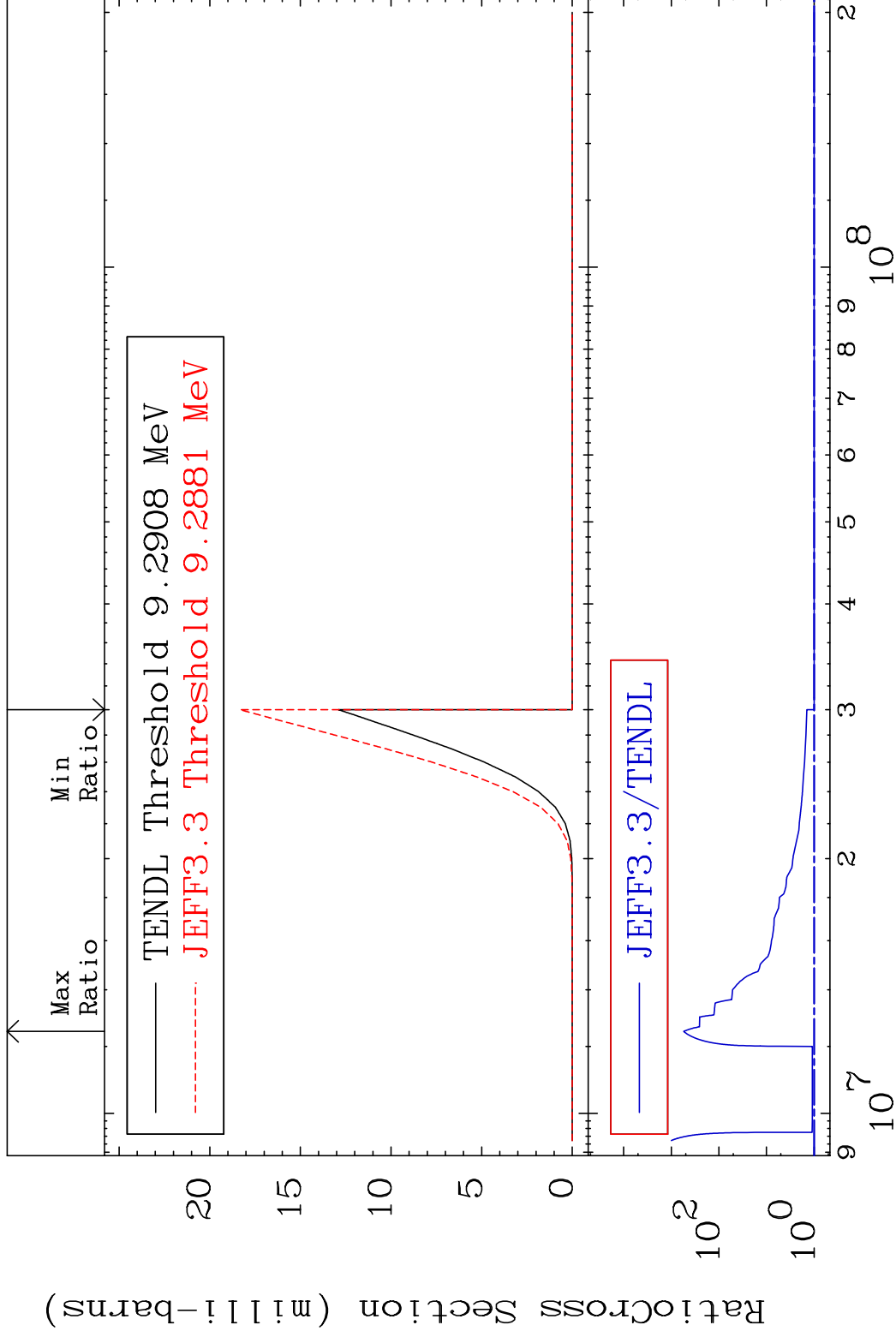


MAT 4246

(n,2n) α

42-Mo-99

Cross Section 0.000 To 9999. %

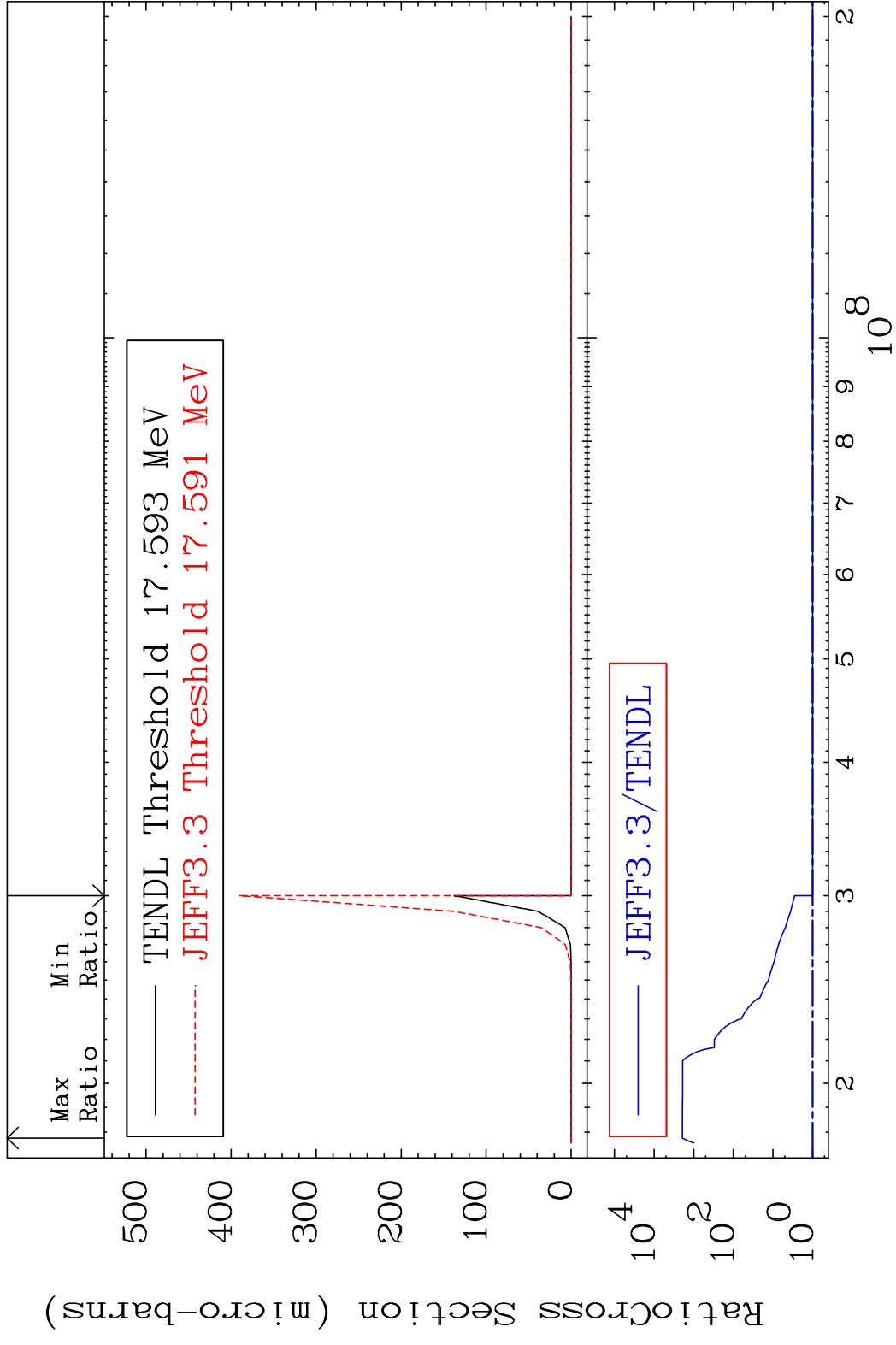


8

Incident Energy (eV)

42-Mo-99

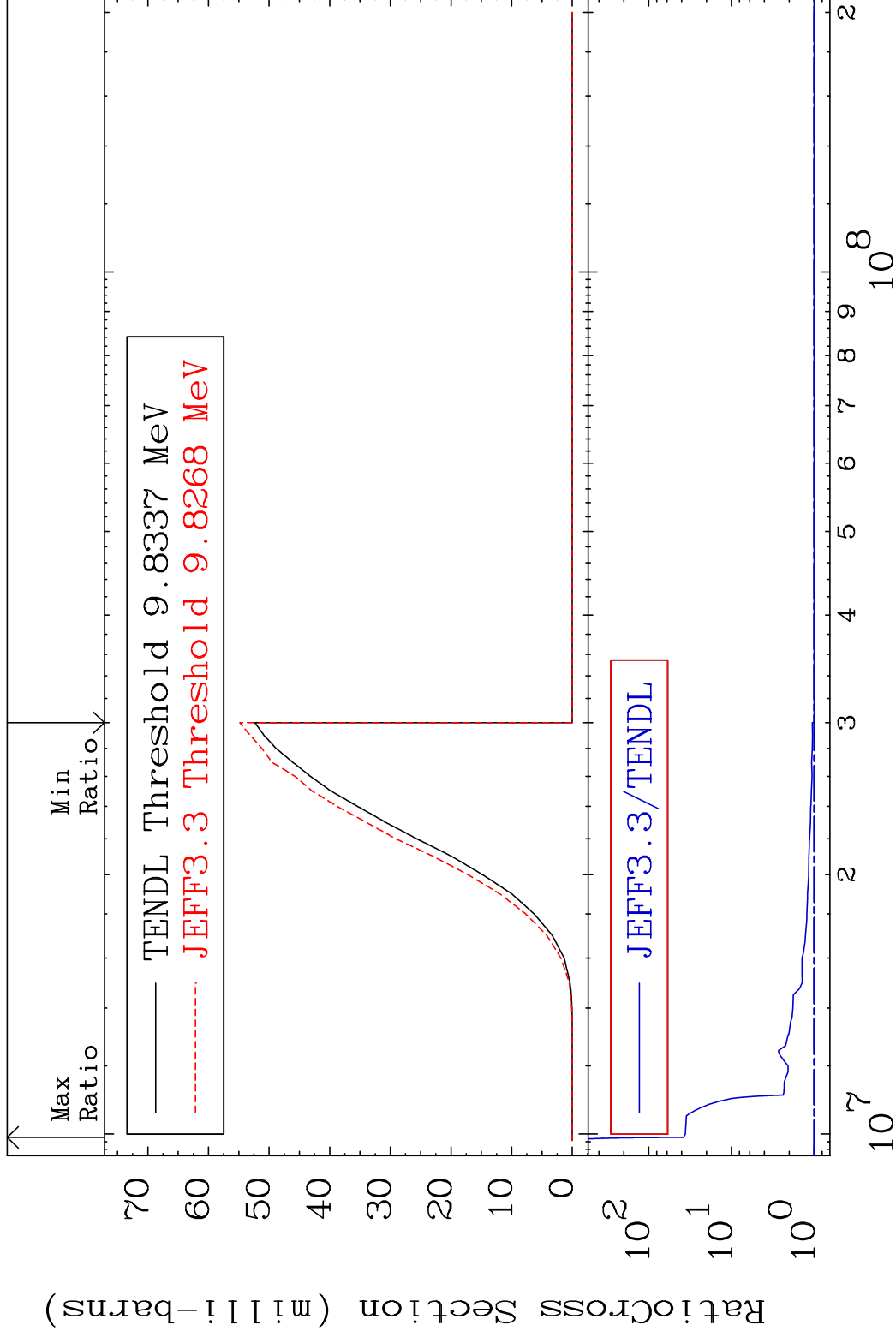
MAT 4246 (n,3n) α 42-Mo-99
 Cross Section 0.000 To 9999. %



MAT 4246

(n, n') p
Cross Section 0.000 To 3680. %

42-Mo-99

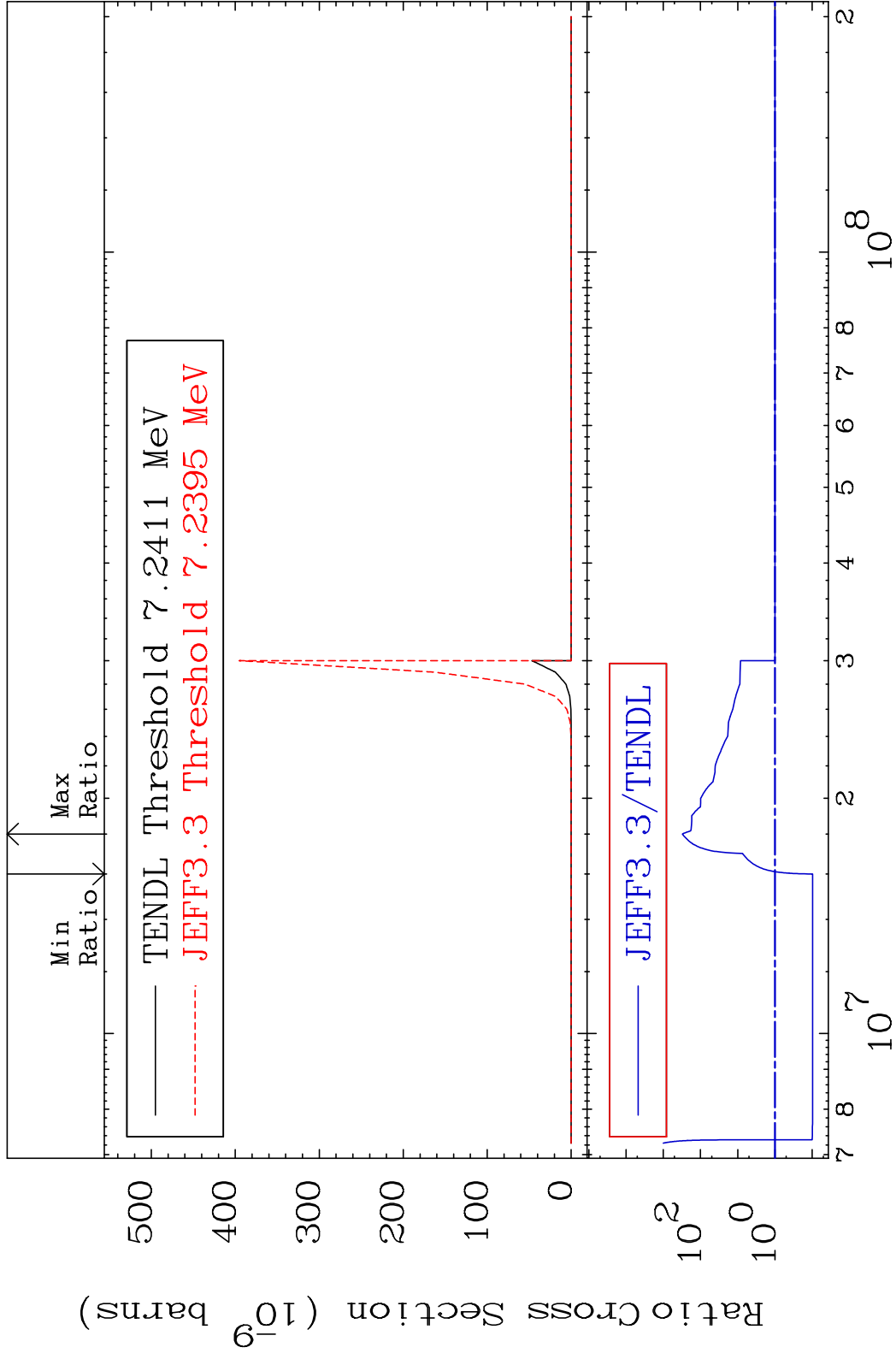


10

Incident Energy (eV)

42-Mo-99

MAT 4246 (n, n') 2α 42-Mo-99
 Cross Section -90.27 To 9999. %

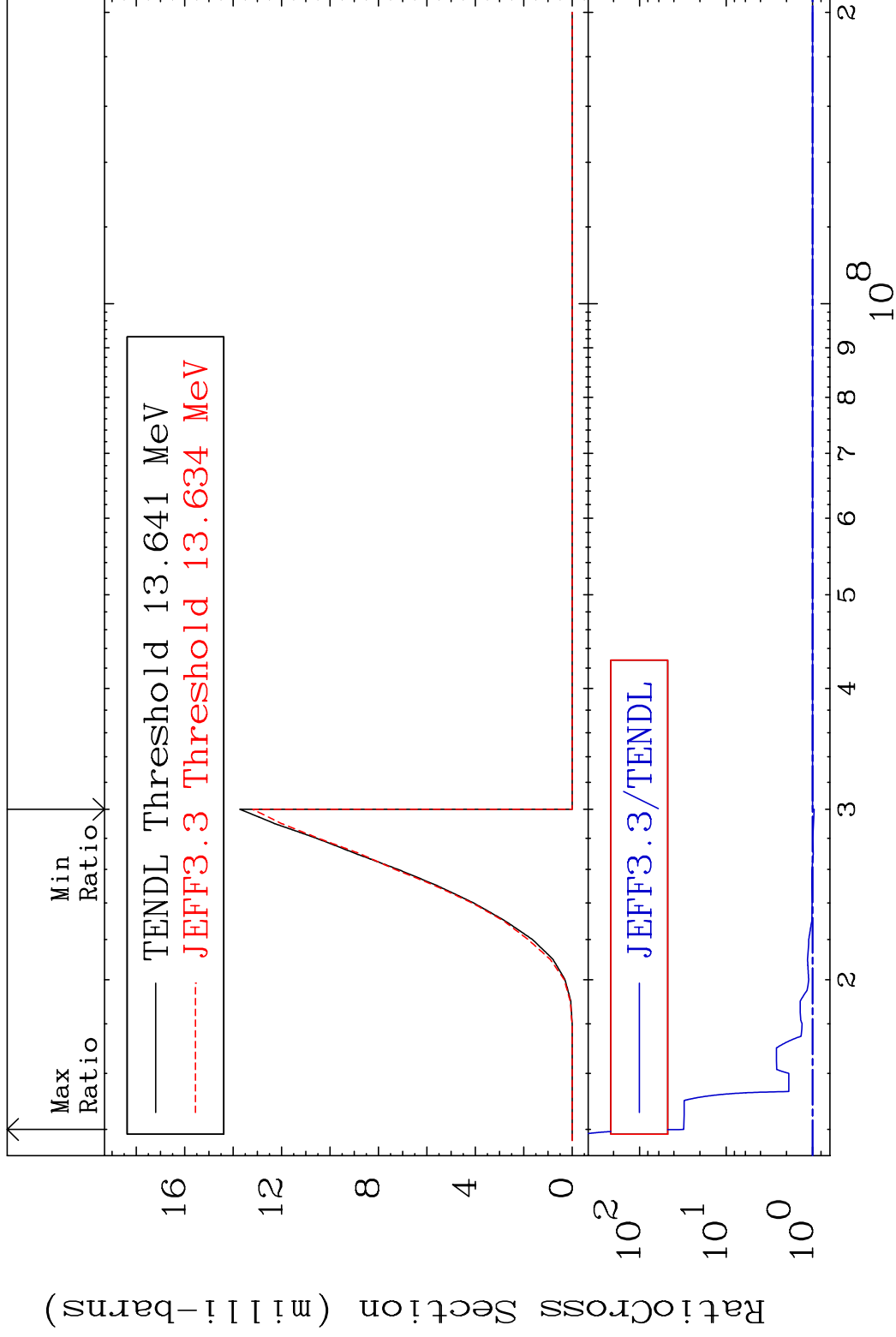


MAT 4246

(n, n') d

42-Mo-99

Cross Section -3.883 To 2992. %



12

Incident Energy (eV)

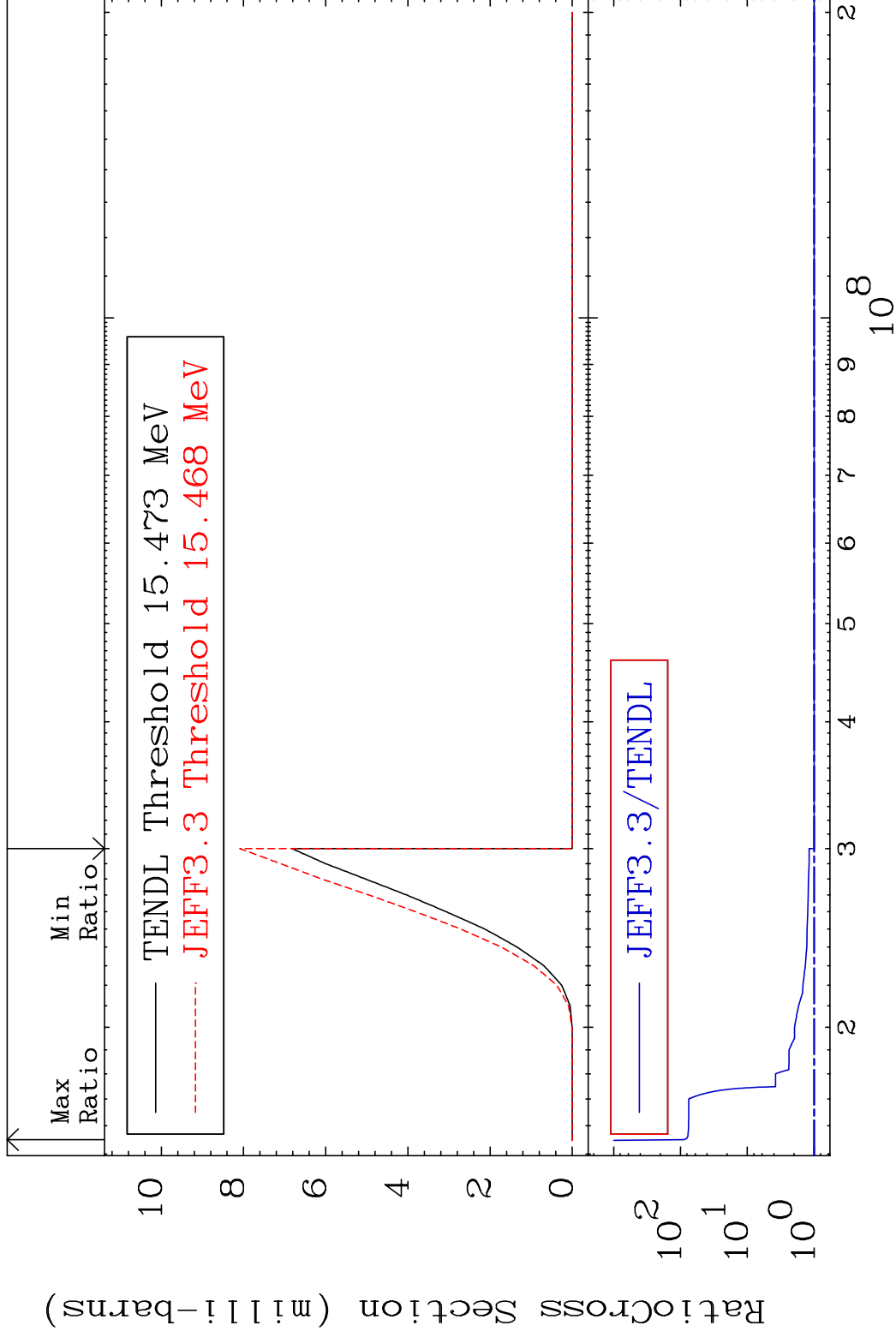
42-Mo-99

MAT 4246

(n, n') t

42-Mo-99

Cross Section 0.000 To 8863. %

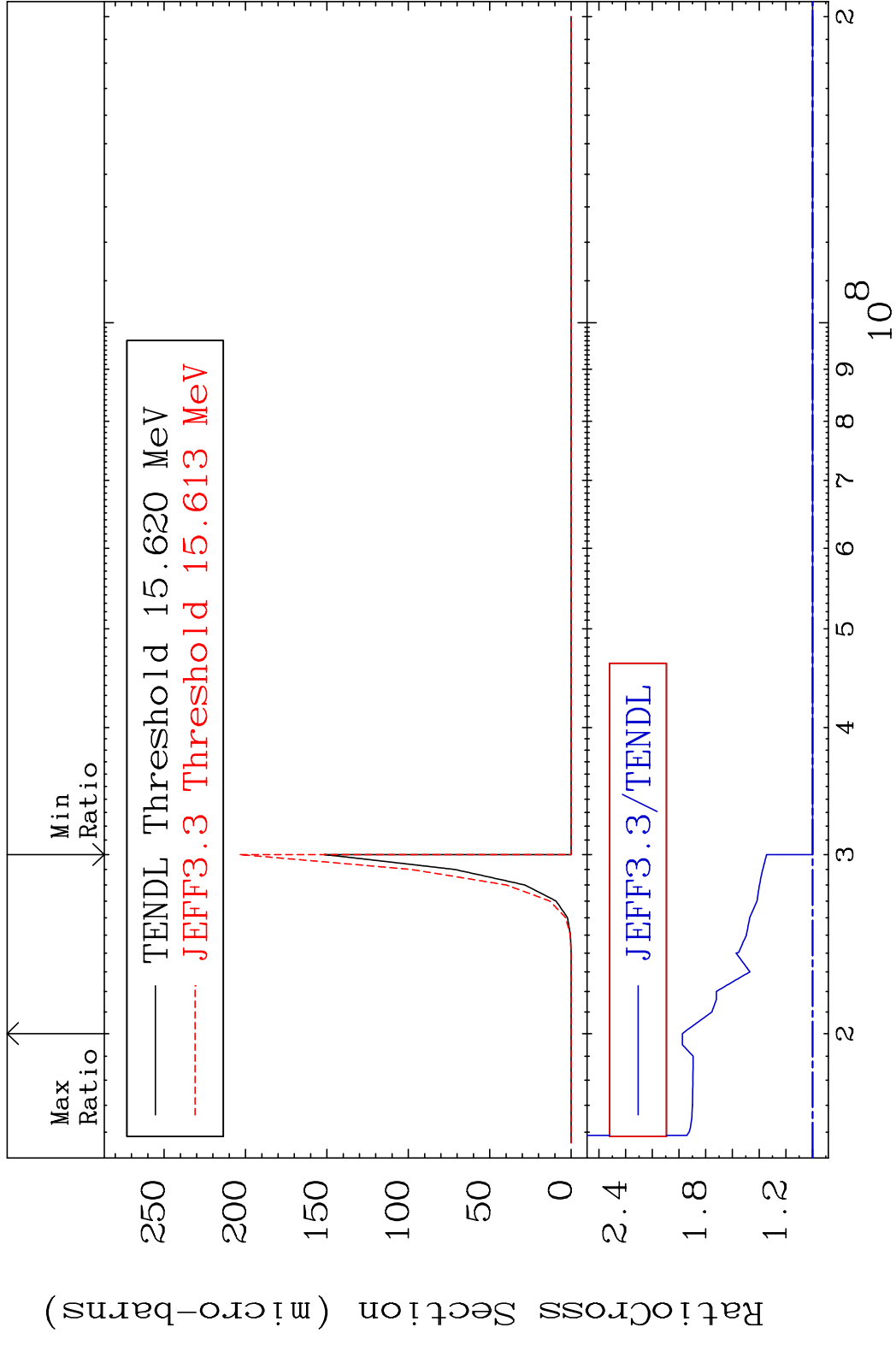


MAT 4246

(n,n') He-3

42-Mo-99

Cross Section 0.000 To 97.51 %

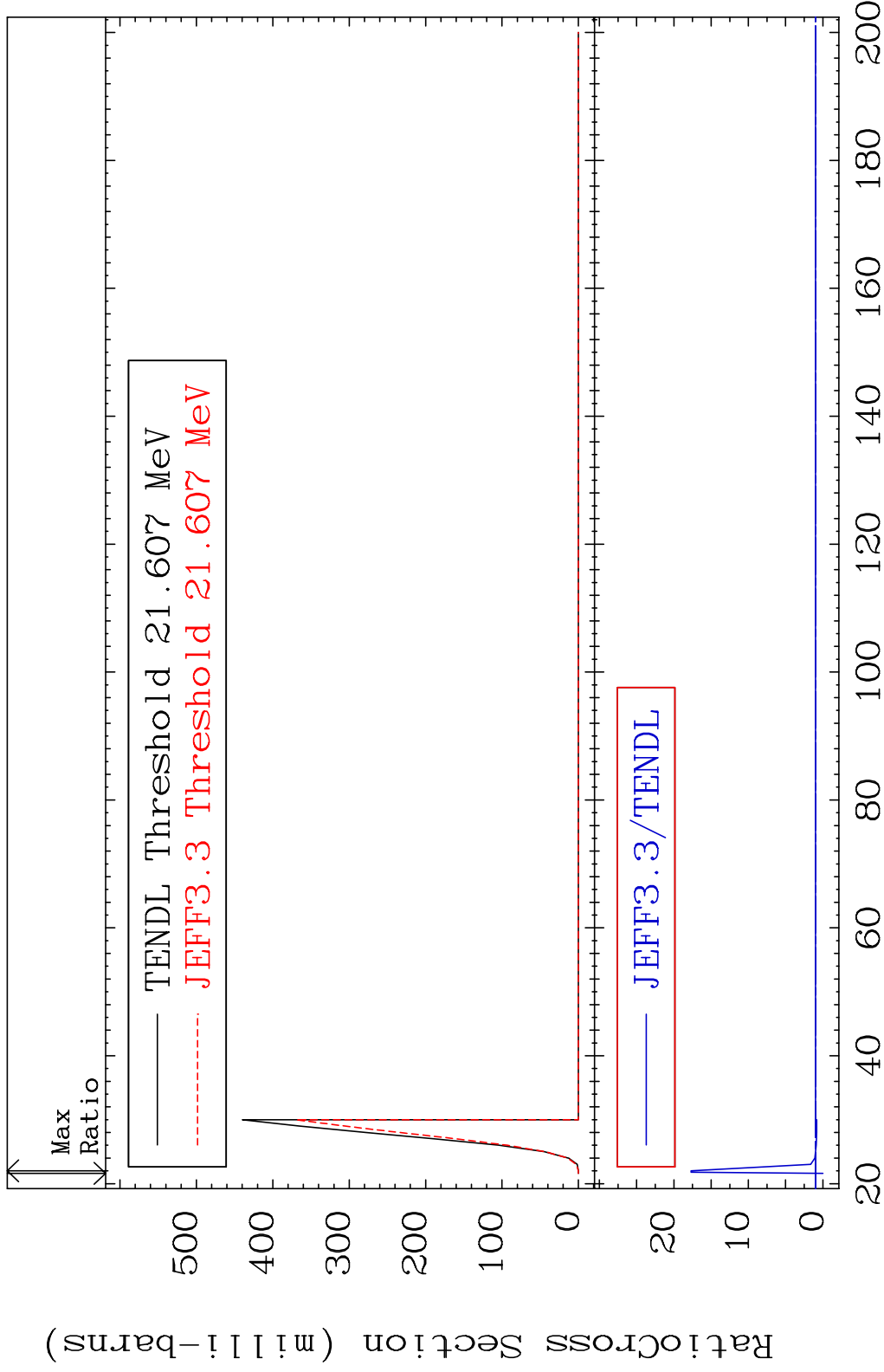


MAT 4246

(n,4n)

42-Mo-99

Cross Section -100.0 To 1670. %



15

Incident Energy (MeV)

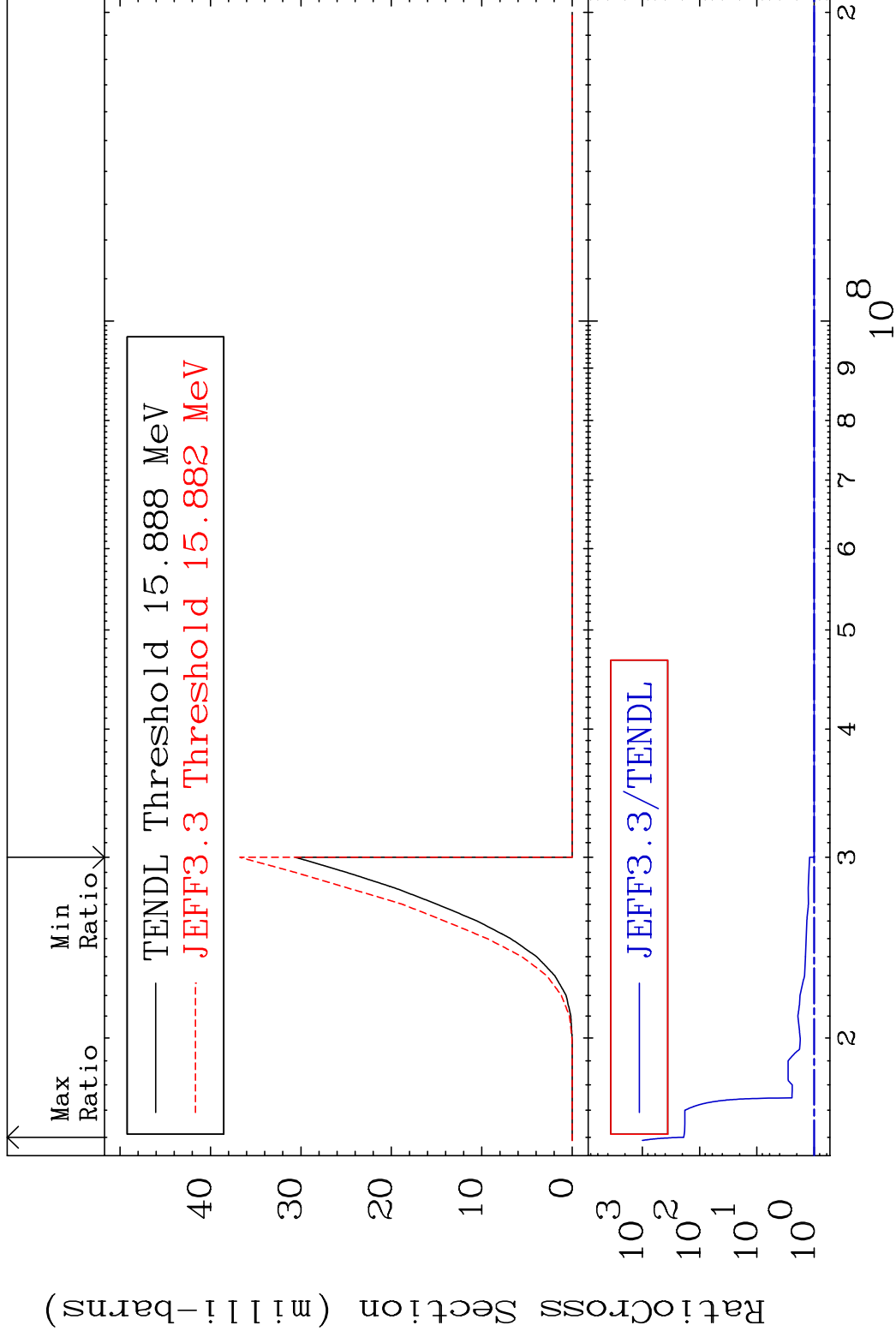
42-Mo-99

MAT 4246

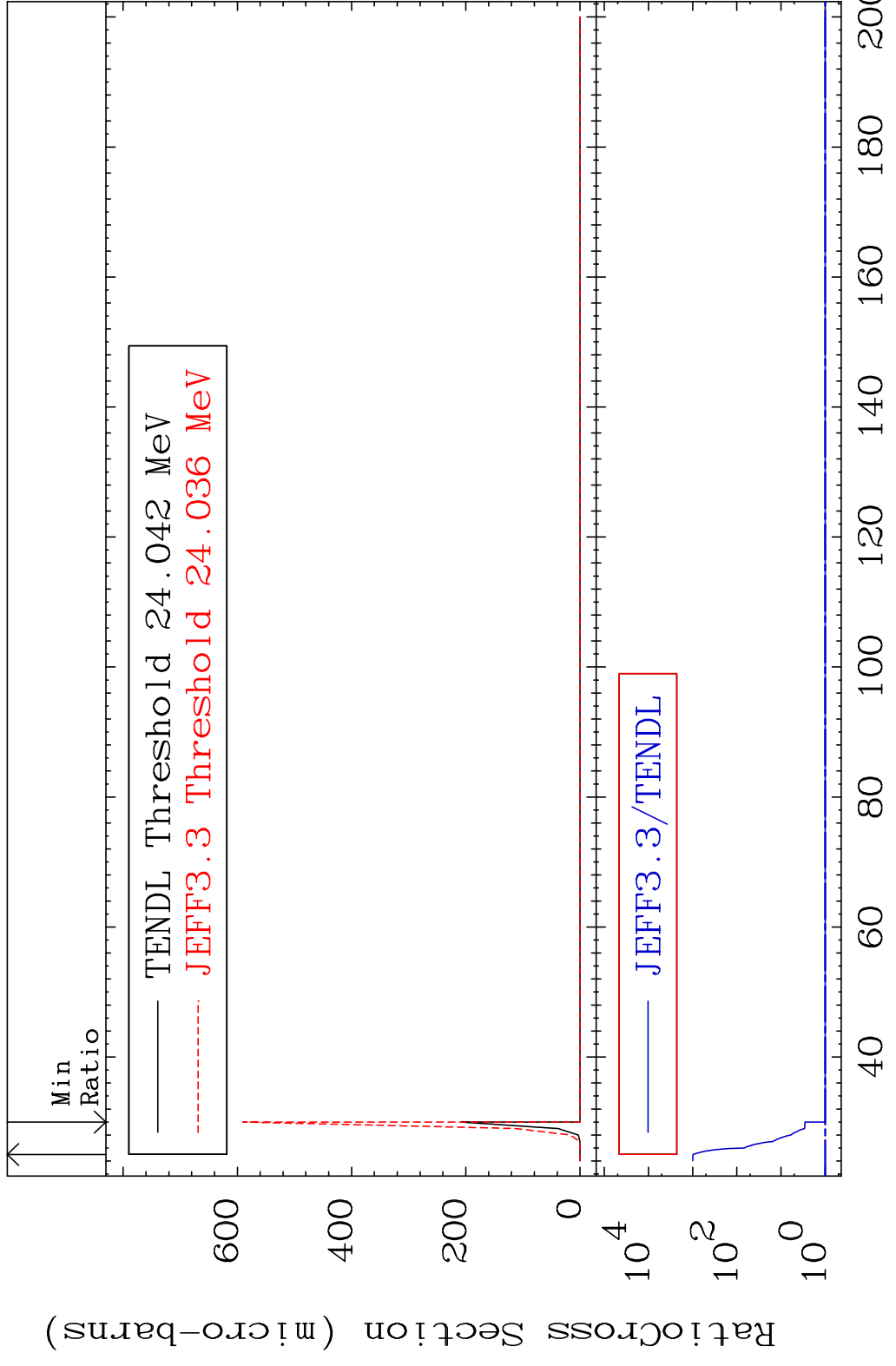
(n,2n) p

42-Mo-99

Cross Section 0.000 To 9999. %



MAT 4246 (n,3n) p 42-Mo-99
 Cross Section 0.000 To 9999. %

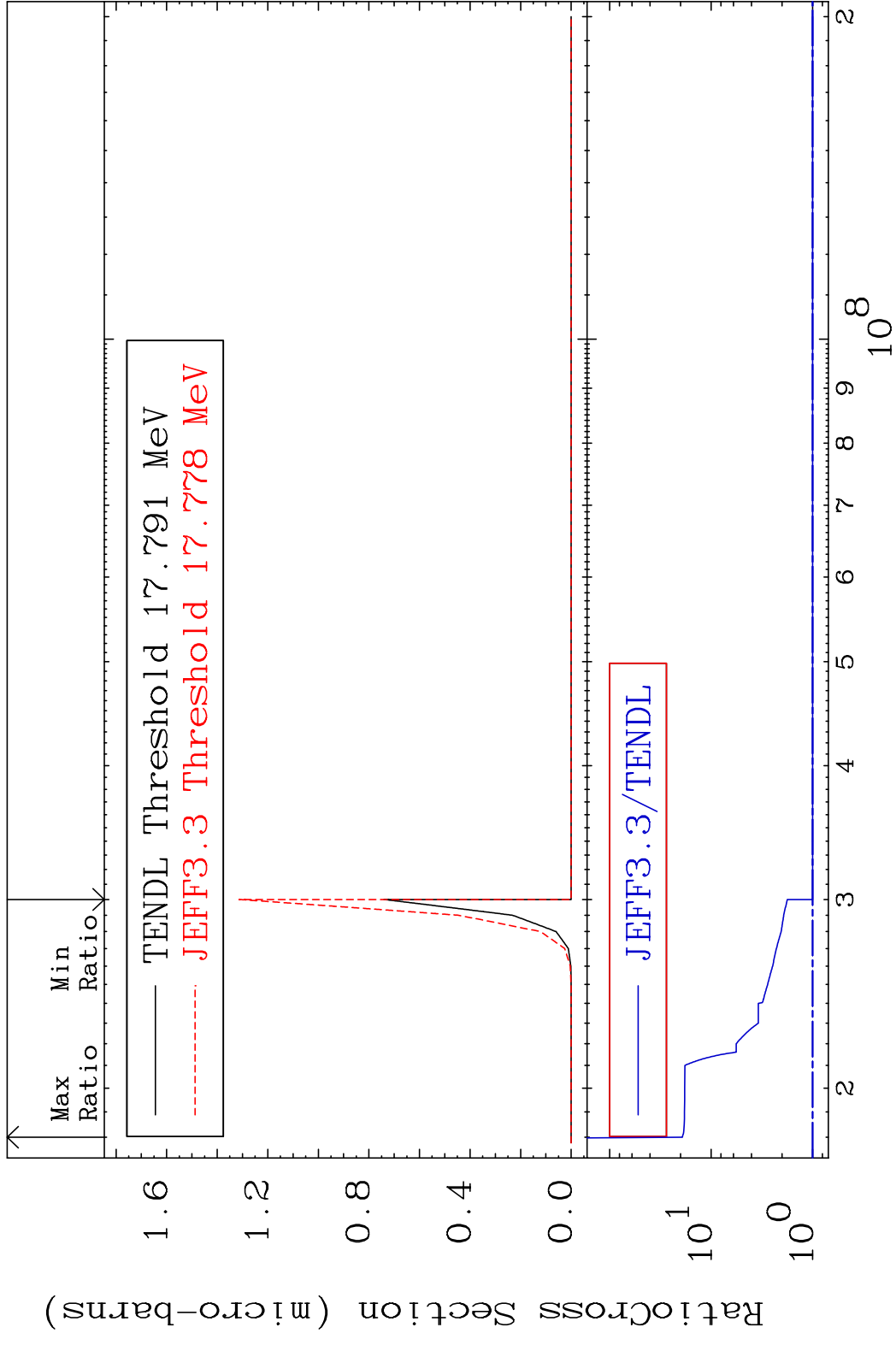


MAT 4246

(n,2n) p

42-Mo-99

Cross Section 0.000 To 1818. %



18

Incident Energy (eV)

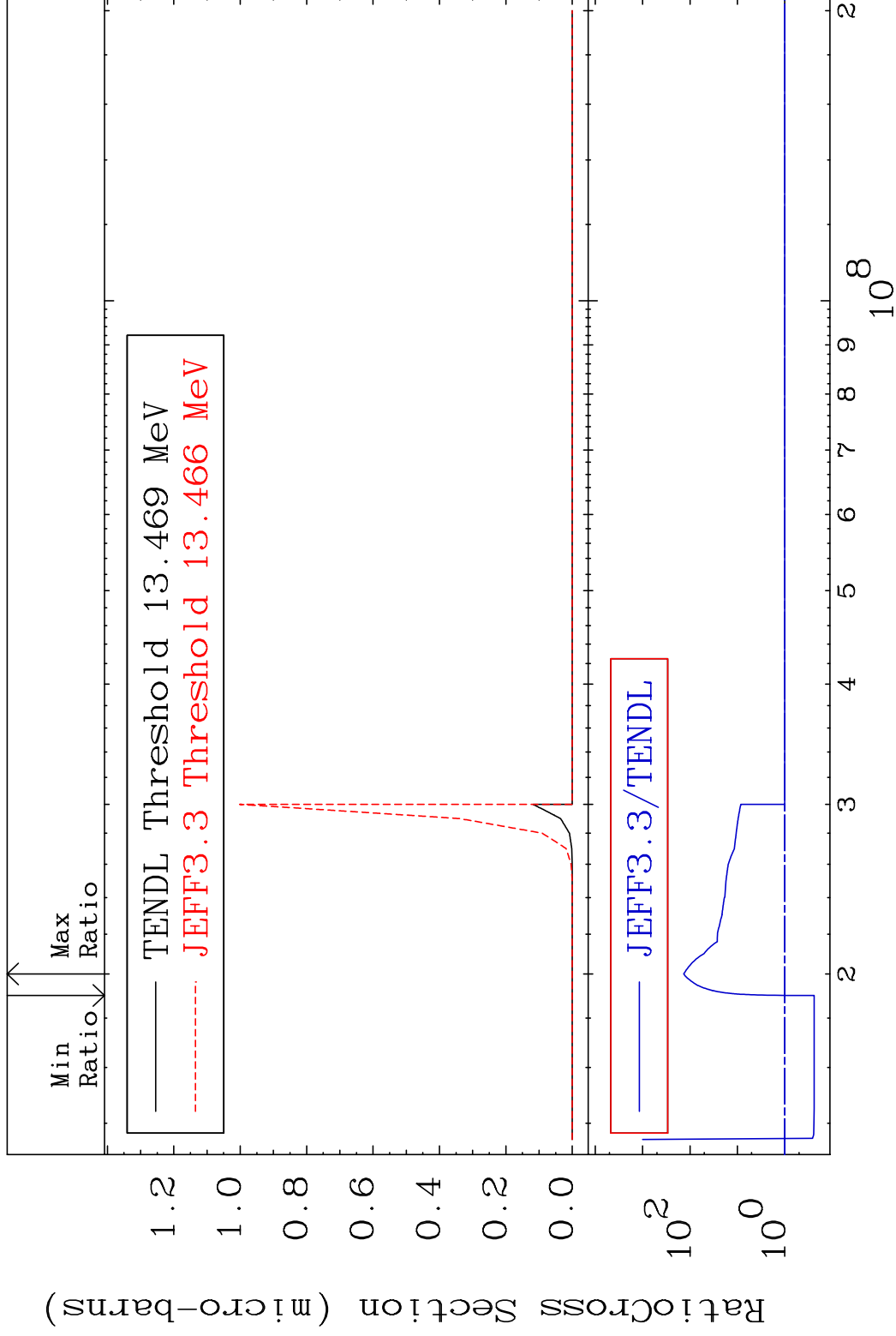
42-Mo-99

MAT 4246

(n,n') p α

42-Mo-99

Cross Section -75.98 To 9999. %

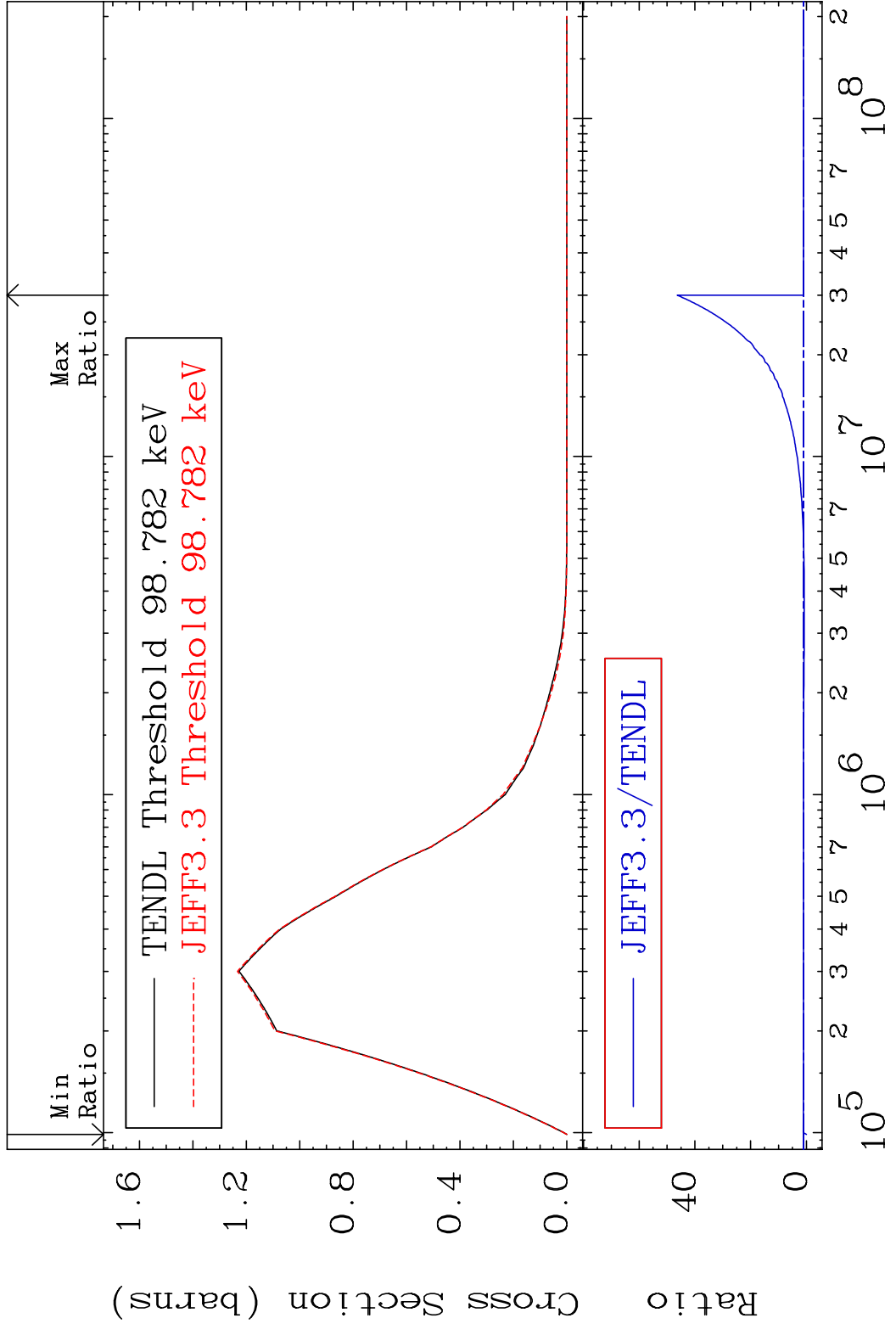


19

Incident Energy (eV)

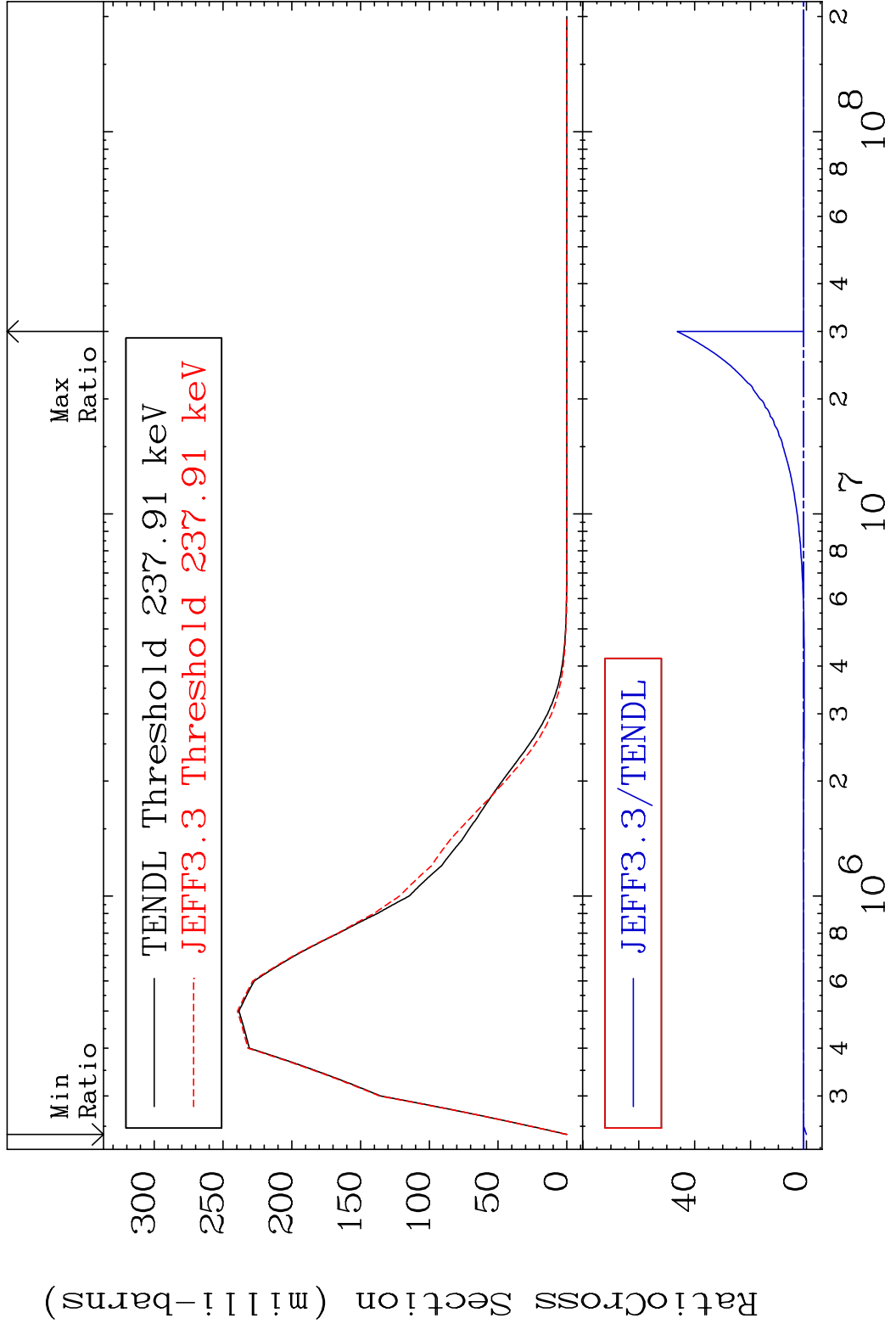
42-Mo-99

MAT 4246 MT= 51 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 4536. %

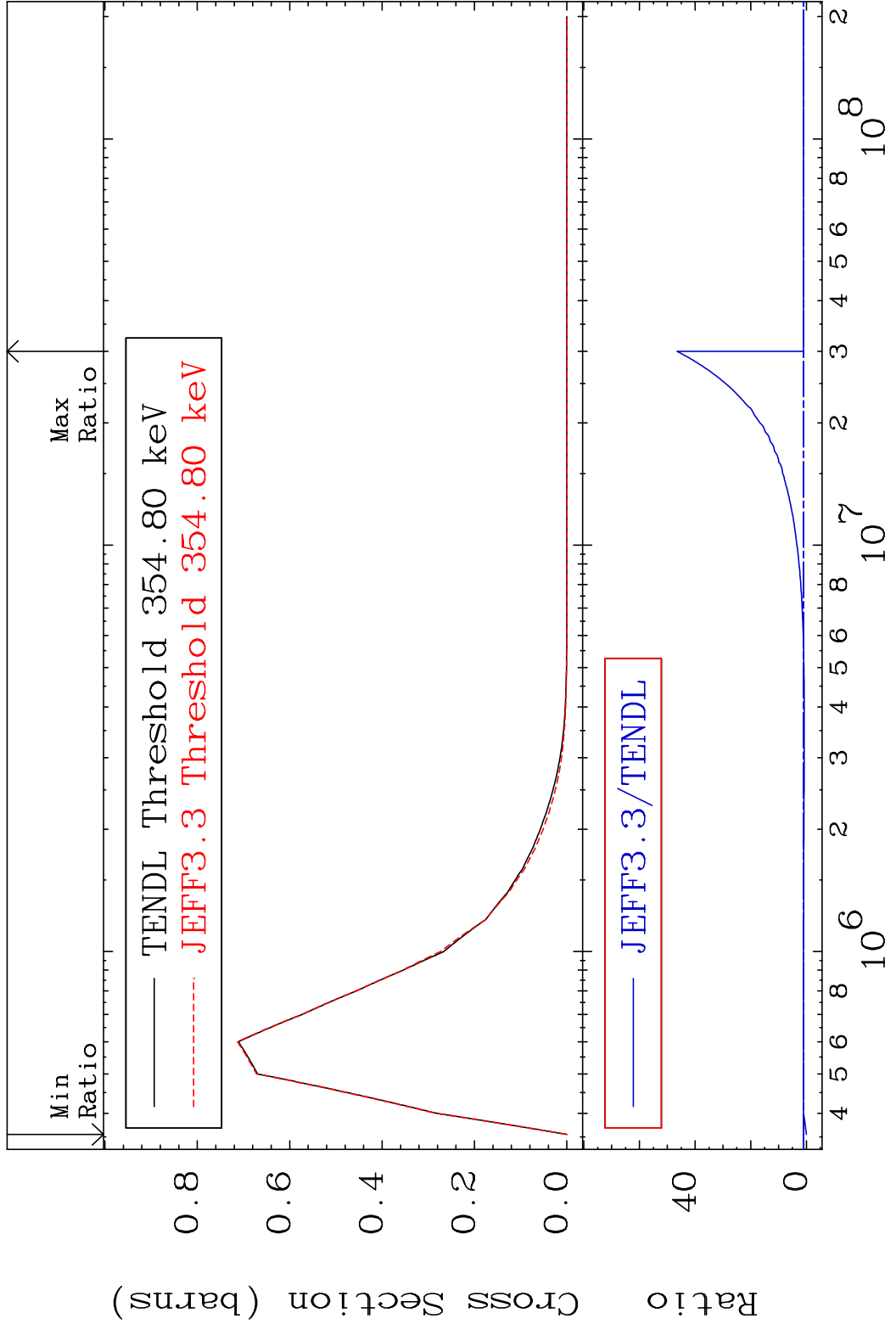


20 Incident Energy (eV) 42-Mo-99

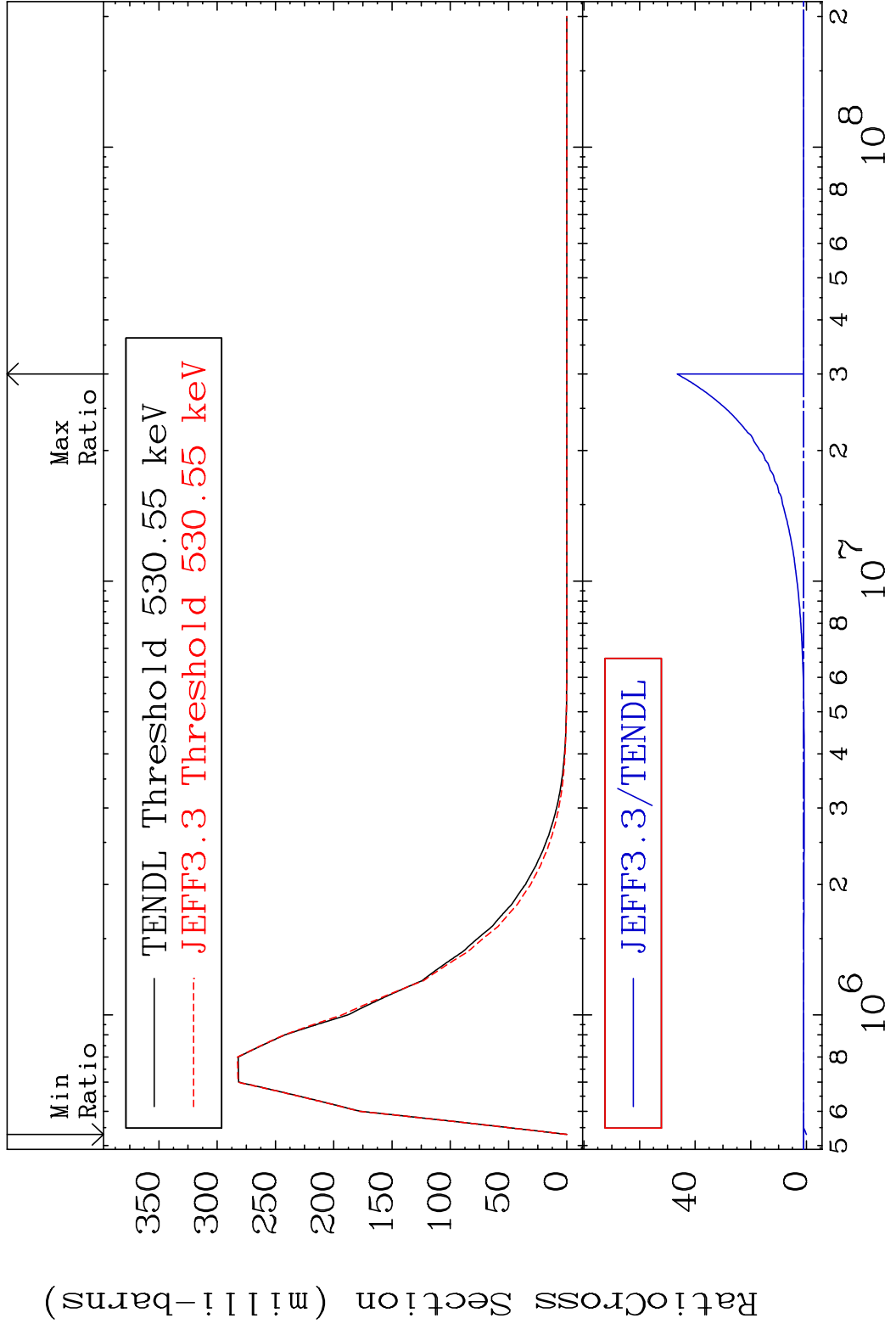
MAT 4246 MT= 52 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 4526. %



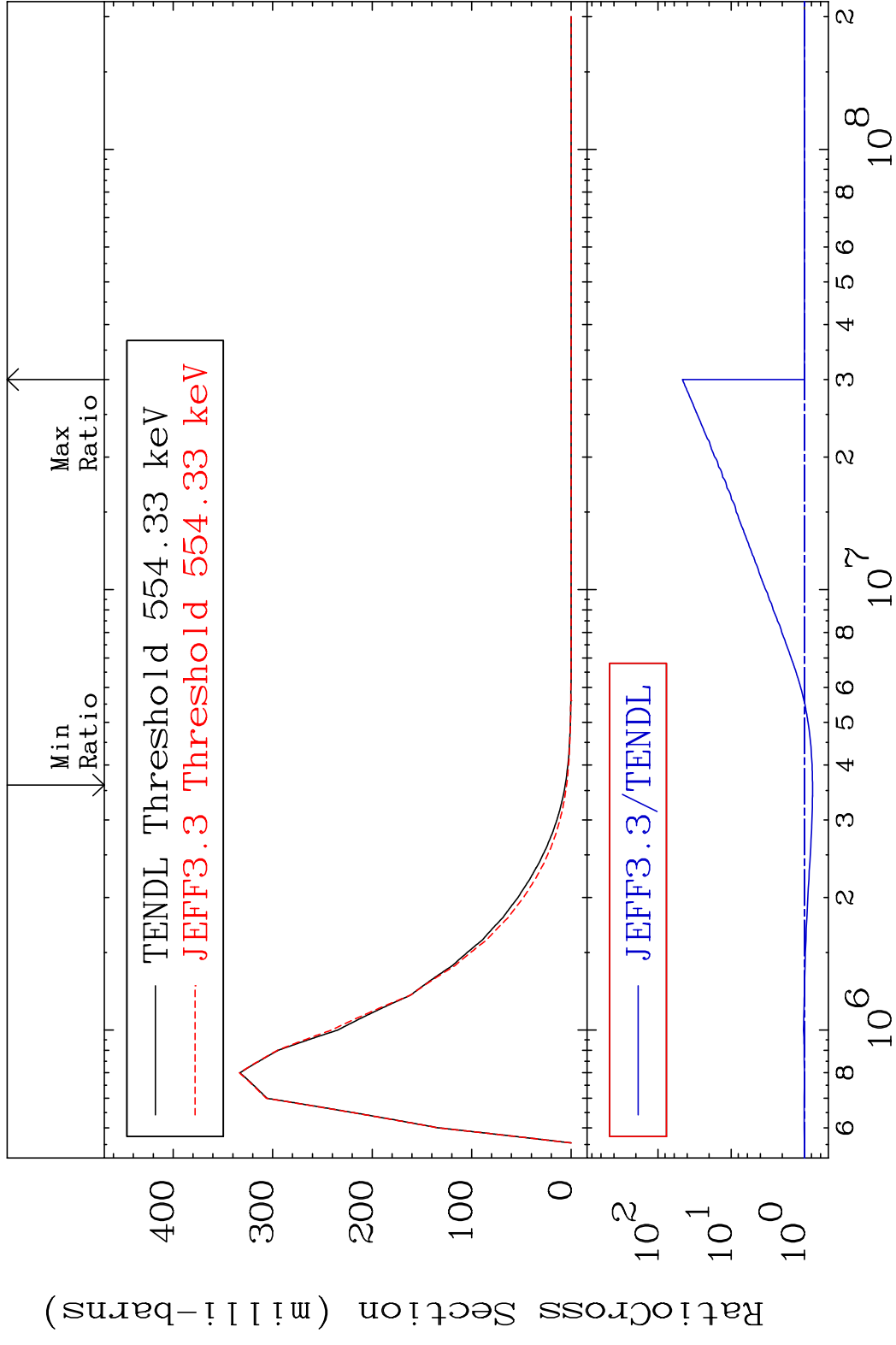
MAT 4246 MT= 53 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 4545. %



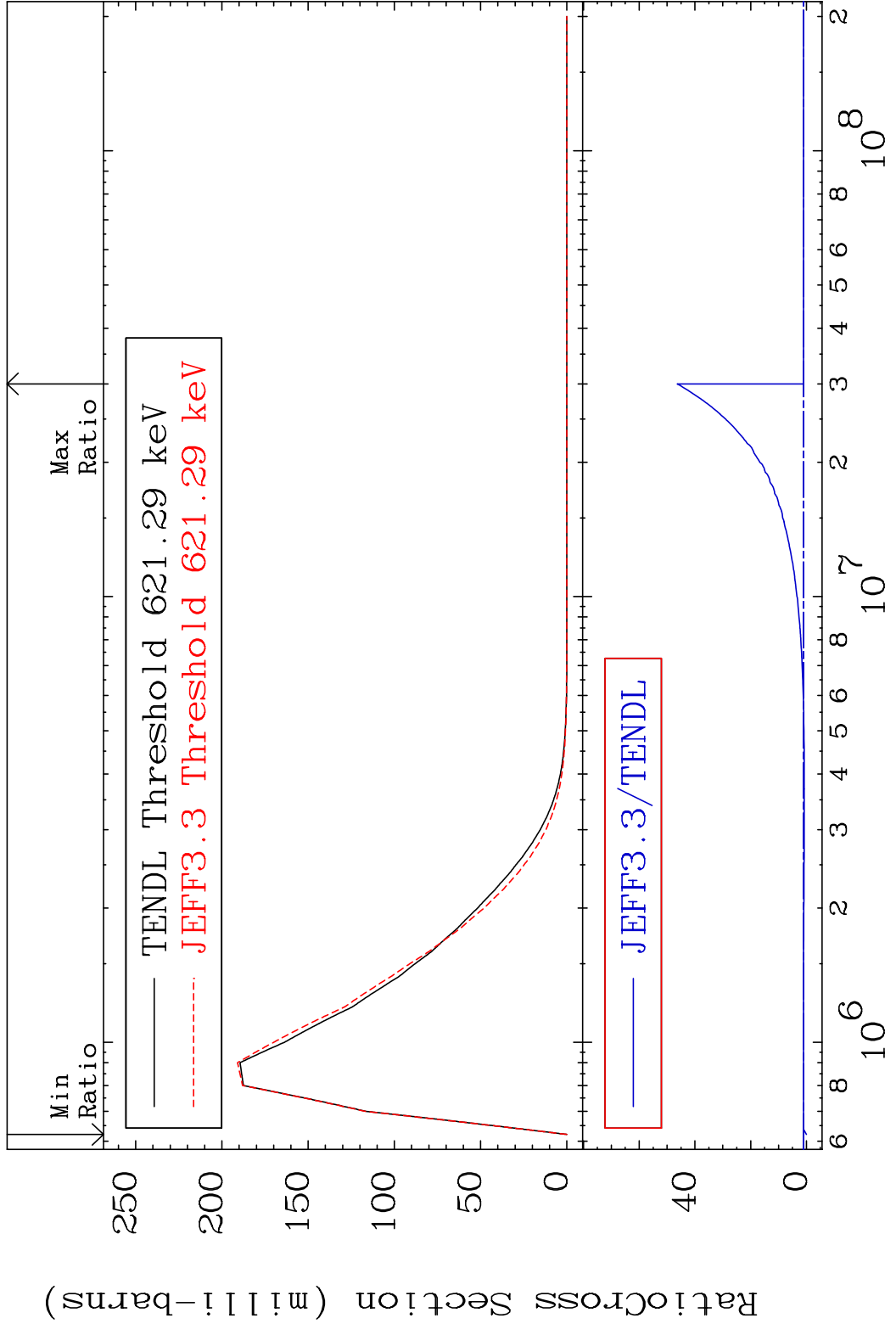
MAT 4246 MT= 54 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 4547. %



MAT 4246 MT= 55 (n, n') Level 42-Mo-99
 Cross Section -22.75 To 4546. %



MAT 4246 MT= 56 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 4537. %

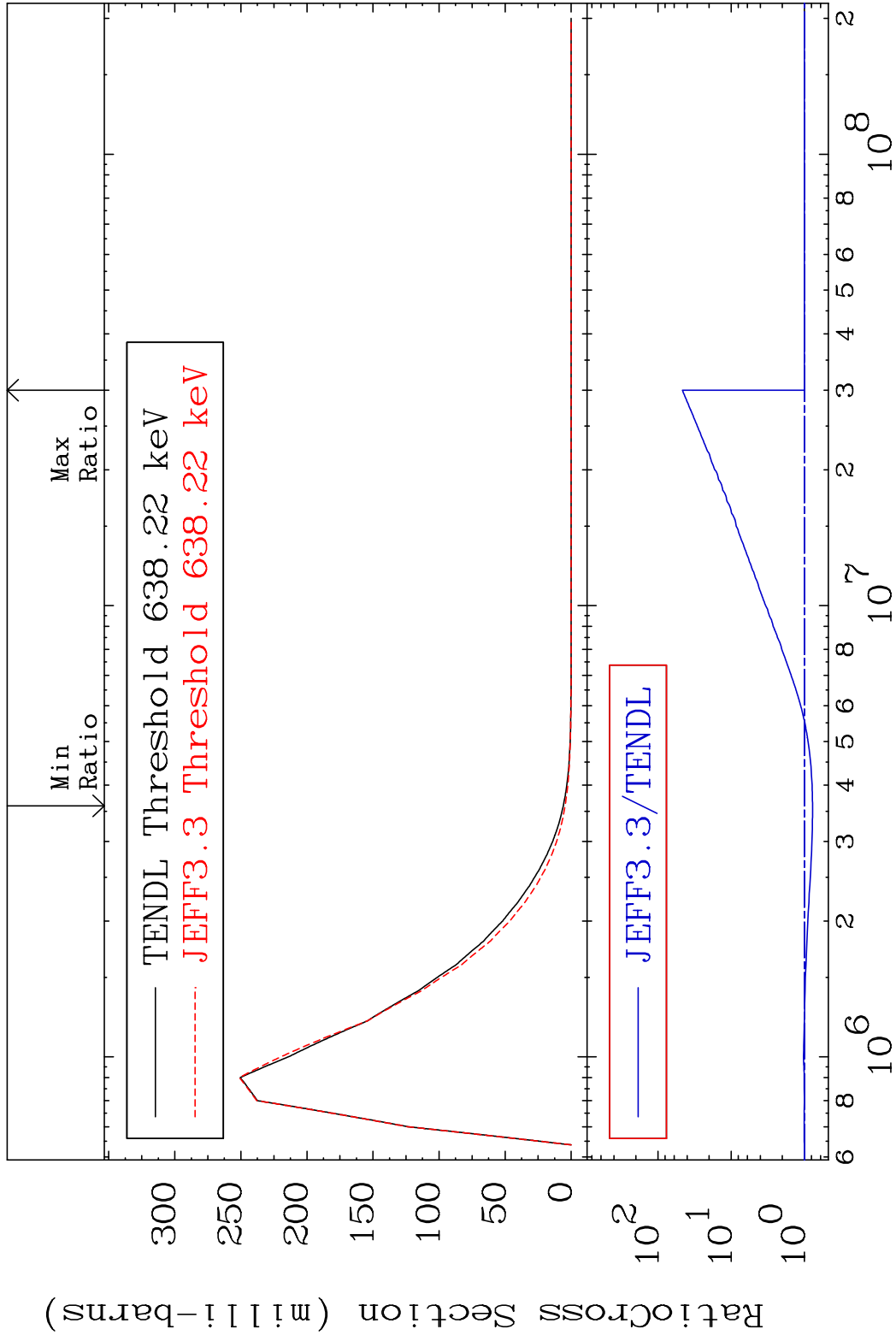


MAT 4246

MT= 57 (n, n') Level

42-Mo-99

Cross Section -22.74 To 4546. %

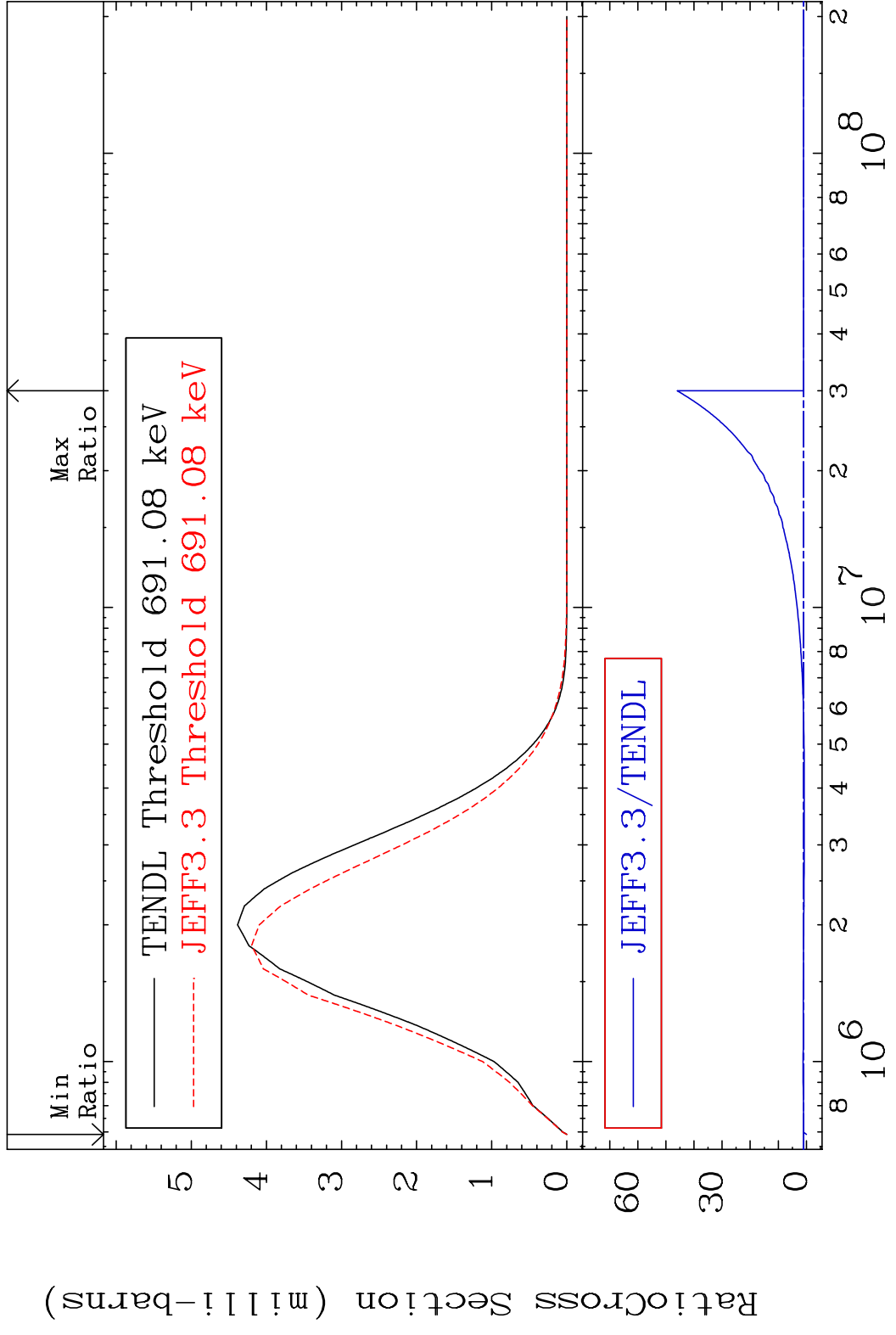


26

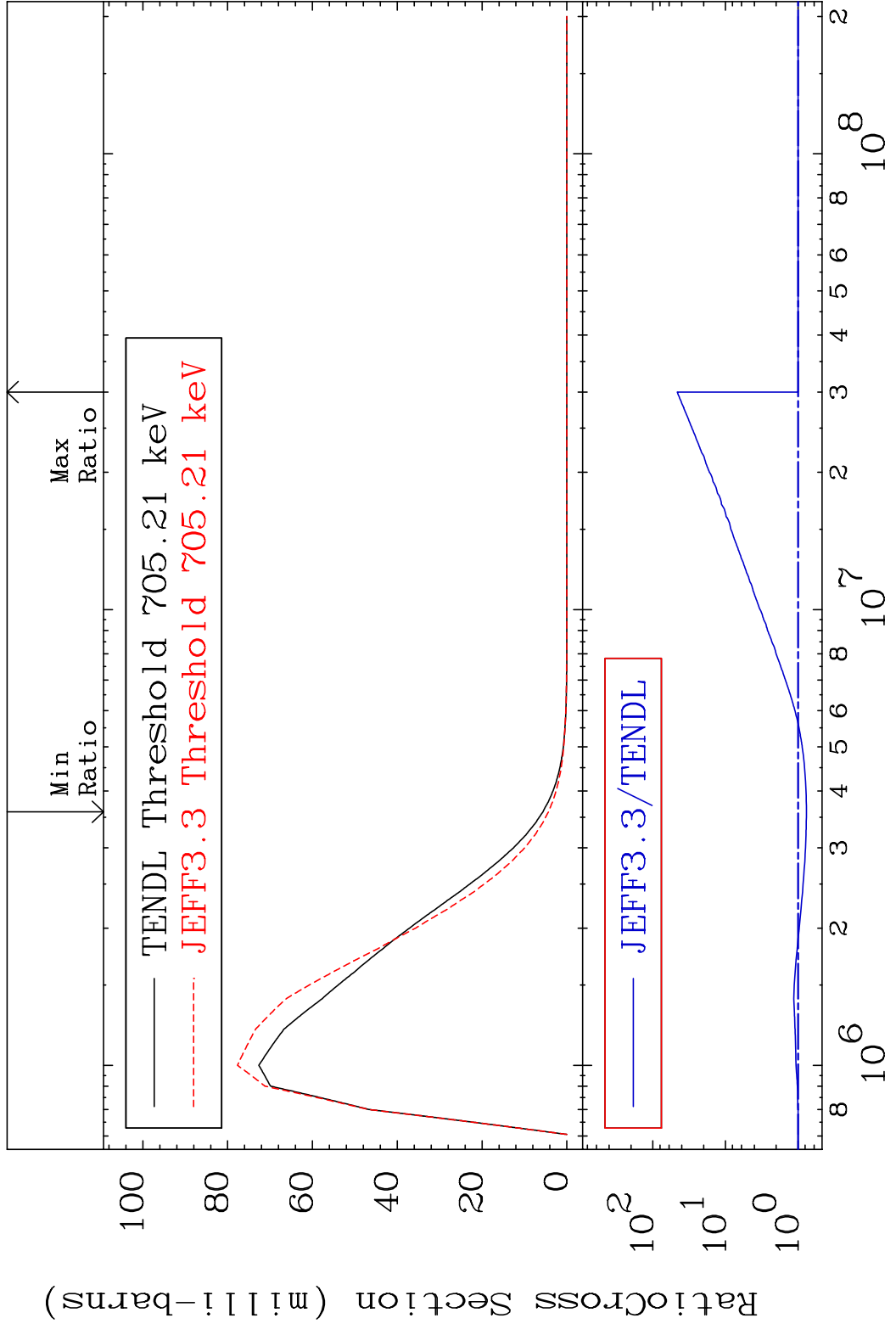
Incident Energy (eV)

42-Mo-99

MAT 4246 MT= 58 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 4498. %

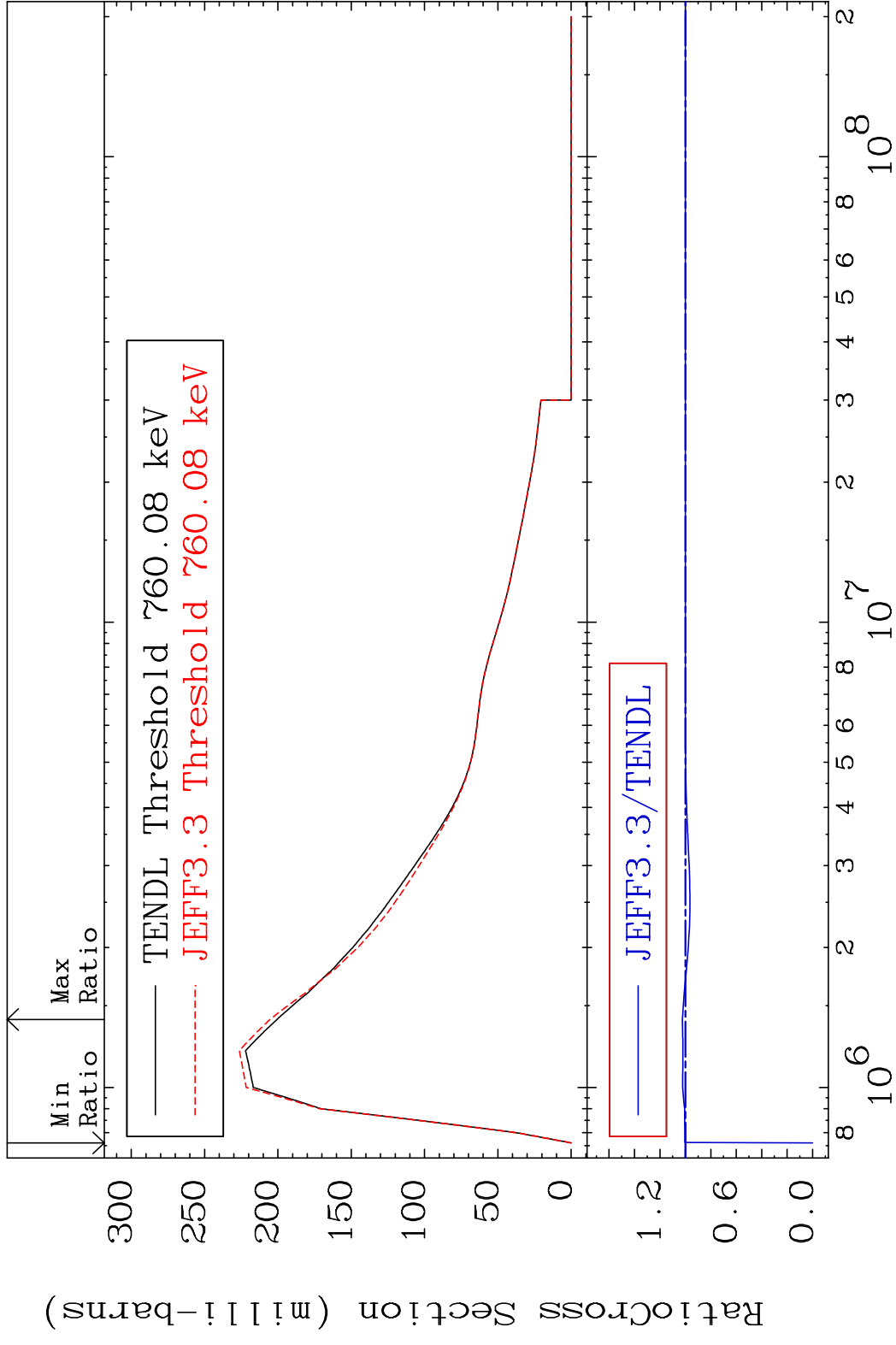


MAT 4246 MT= 59 (n, n') Level 42-Mo-99
 Cross Section -23.20 To 4527. %



28 Incident Energy (eV) 42-Mo-99

MAT 4246 MT= 60 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 2.374 %



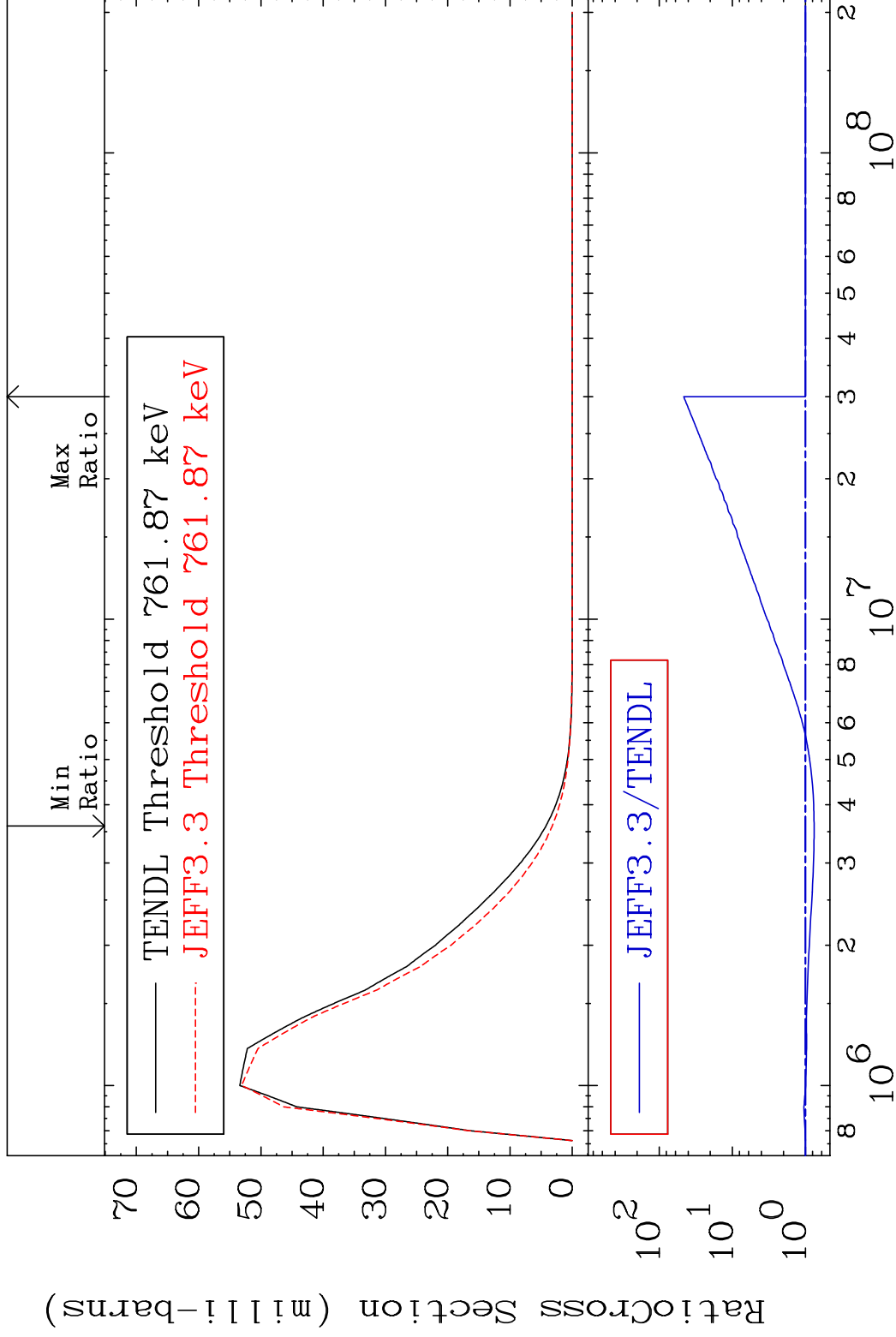
29 Incident Energy (eV) 42-Mo-99

MAT 4246

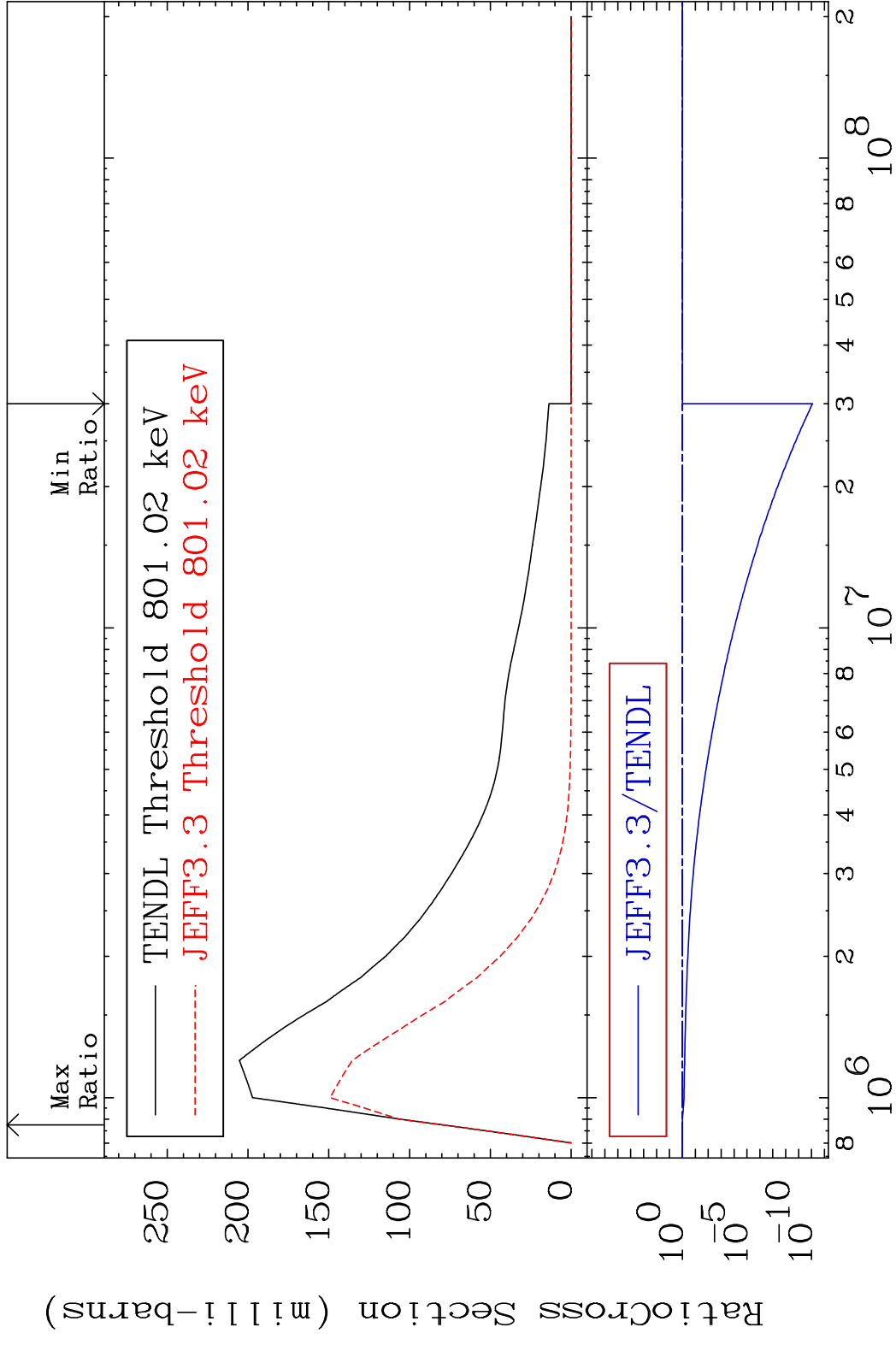
MT= 61 (n, n') Level

42-Mo-99

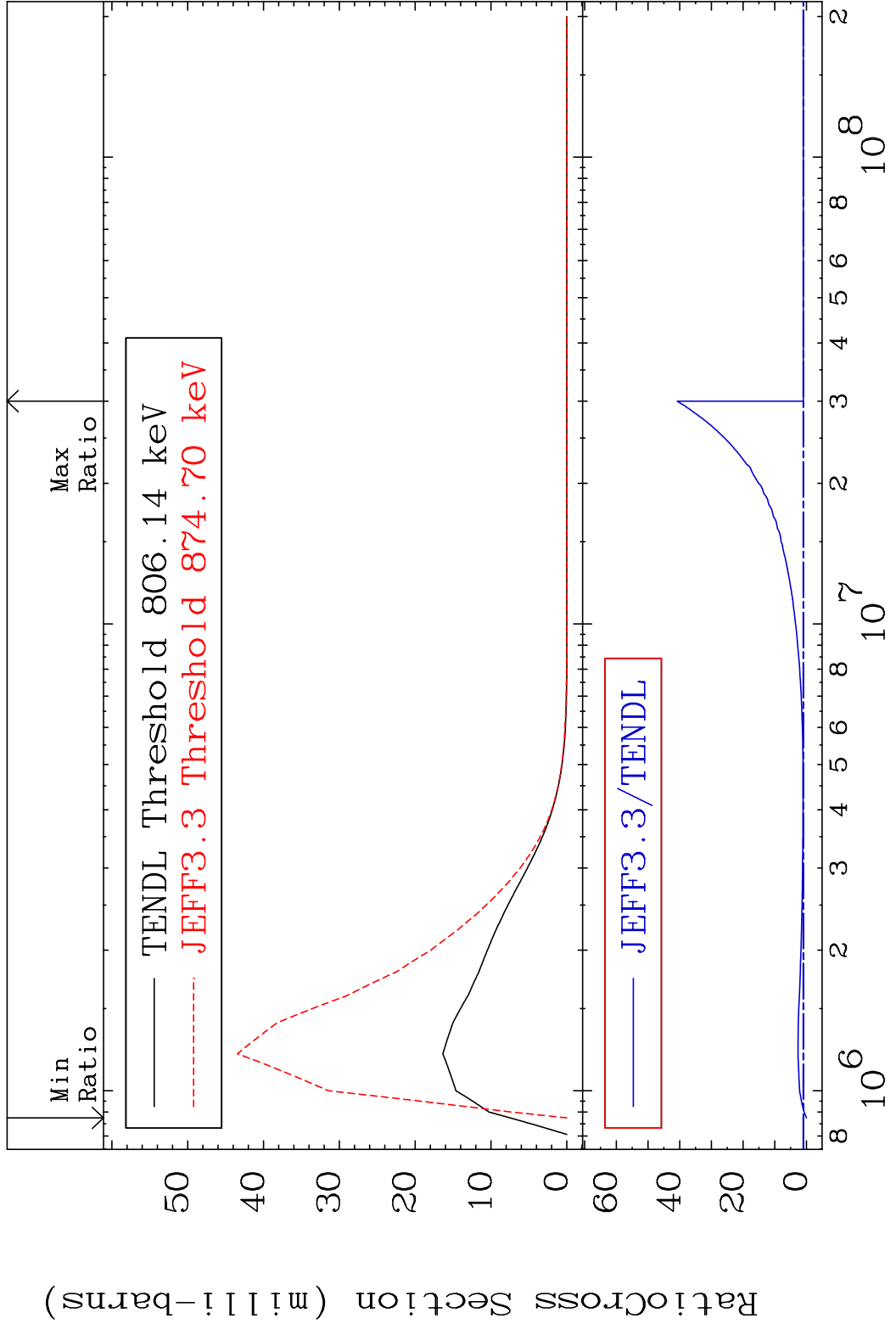
Cross Section -23.85 To 4527. %



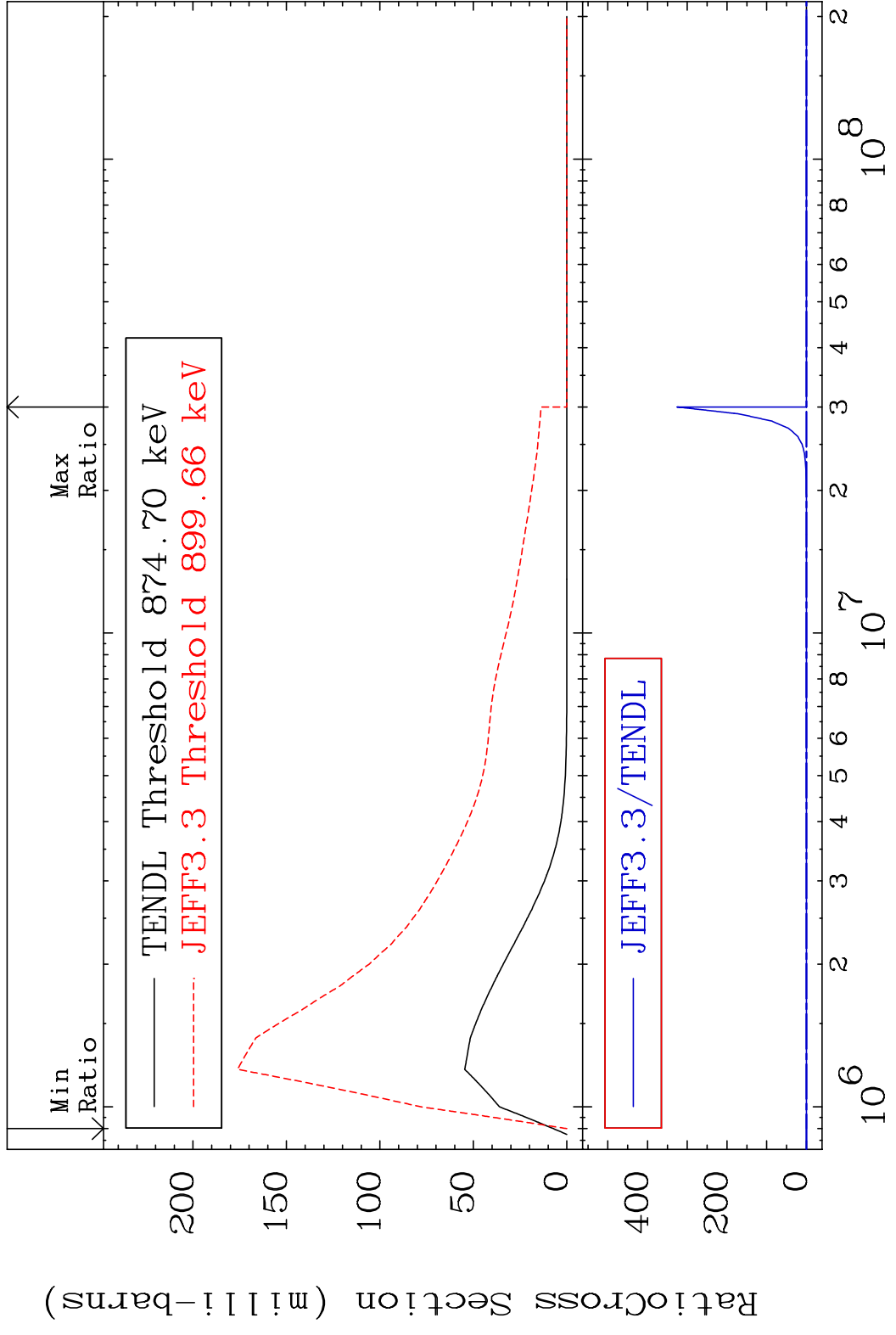
MAT 4246 MT= 62 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 0.253 %



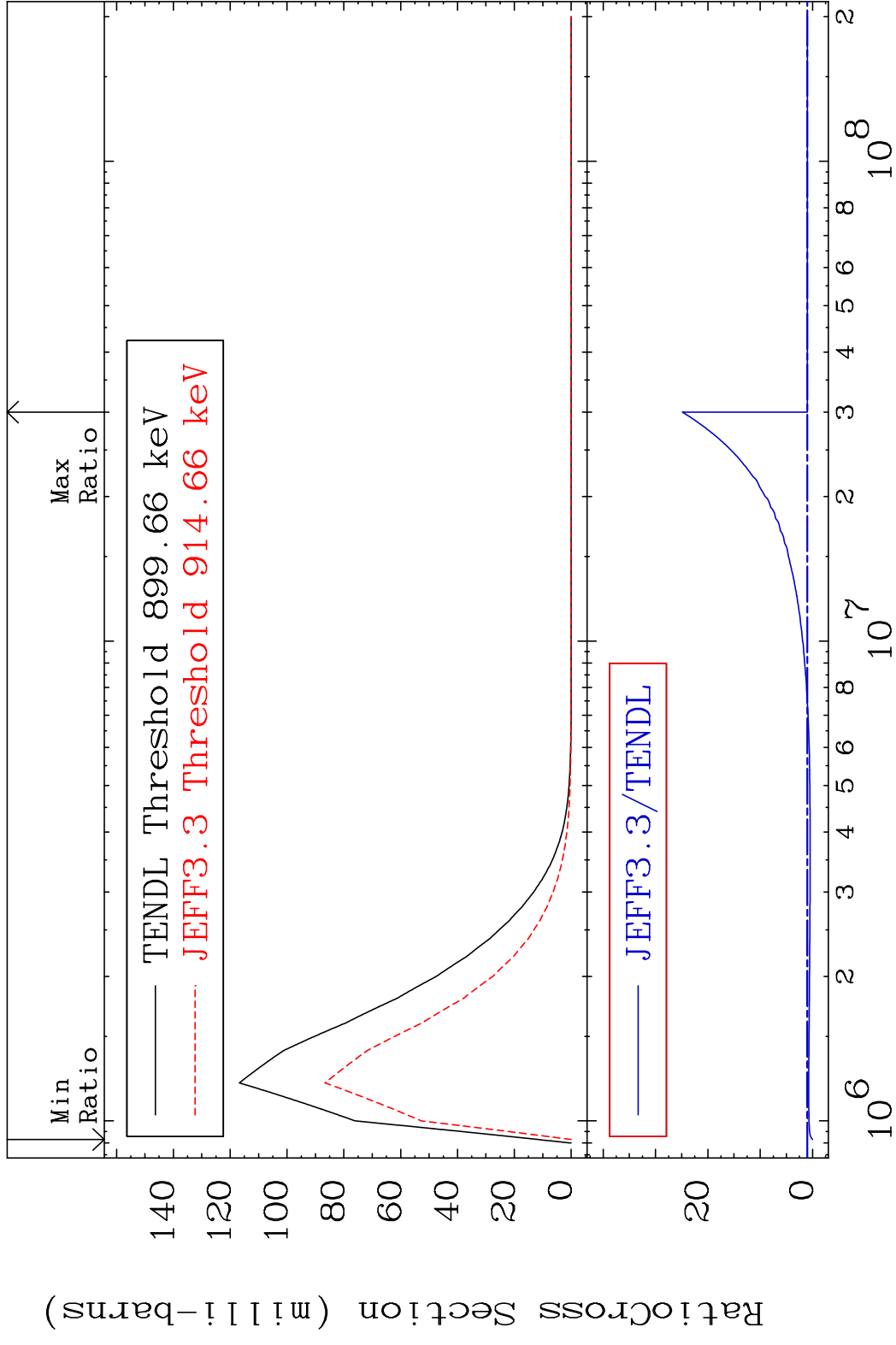
MAT 4246 MT= 63 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 3979. %



MAT 4246 MT= 64 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 9999. %

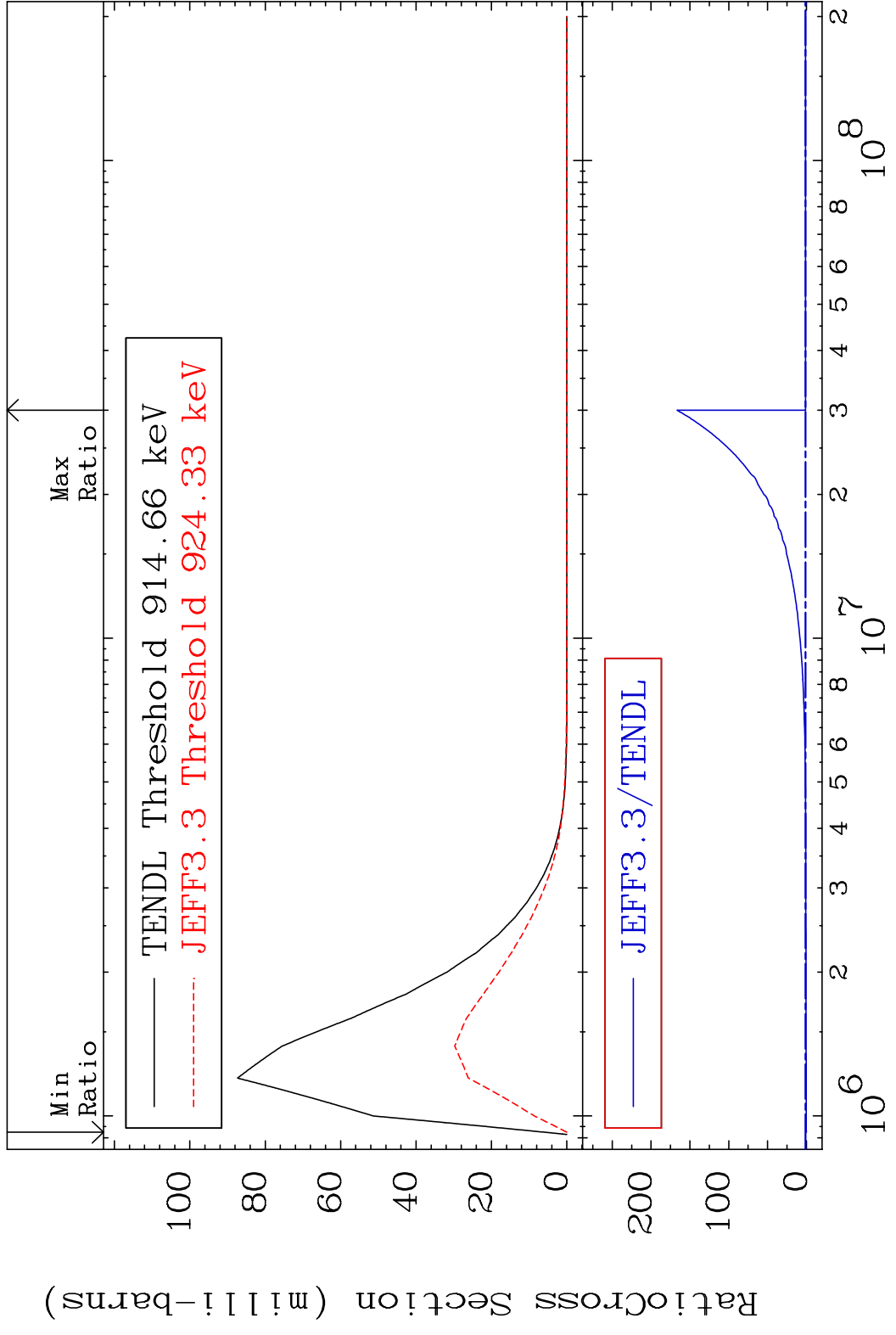


MAT 4246 MT= 65 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 2387. %



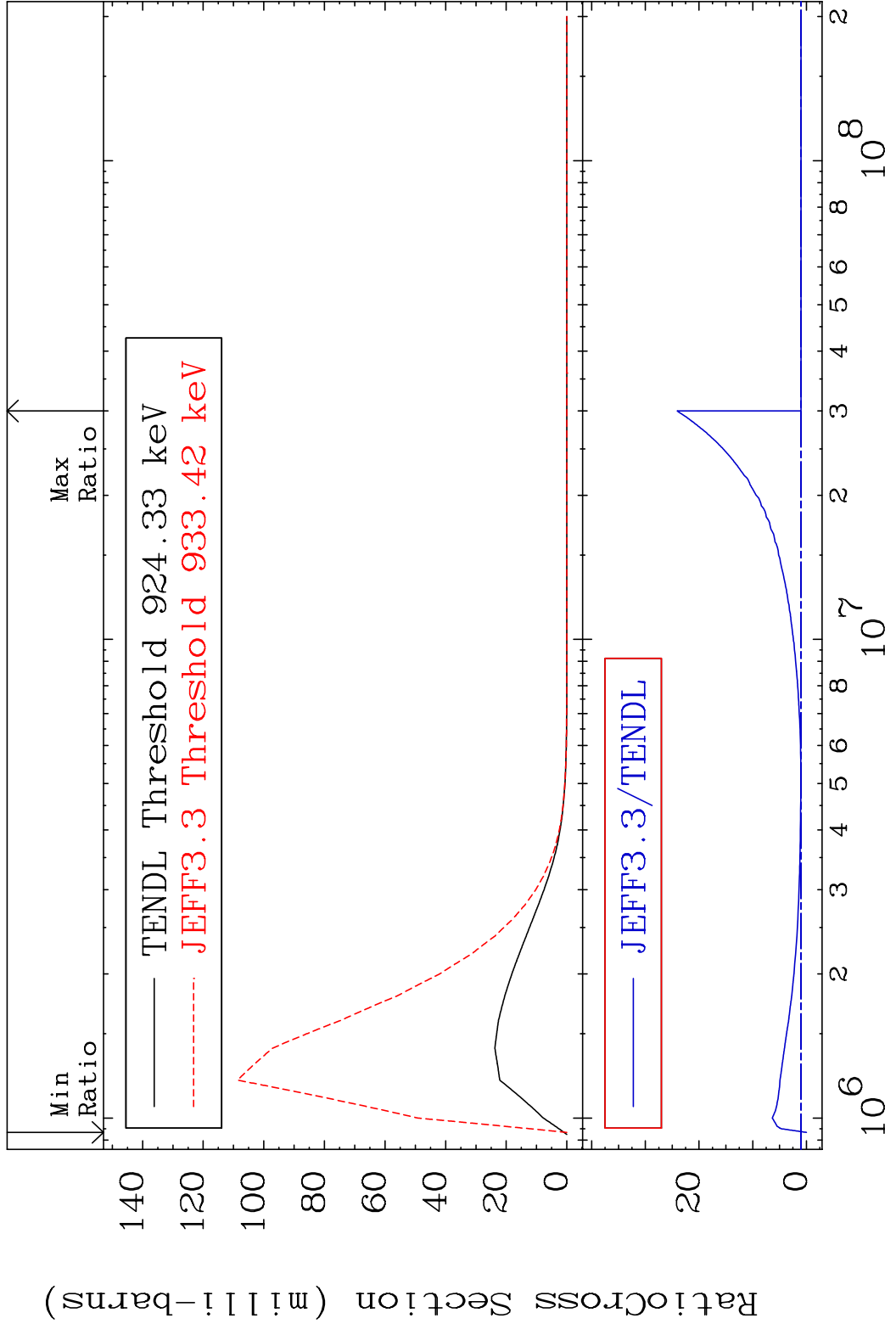
34 Incident Energy (eV) 42-Mo-99

MAT 4246 MT= 66 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 9999. %



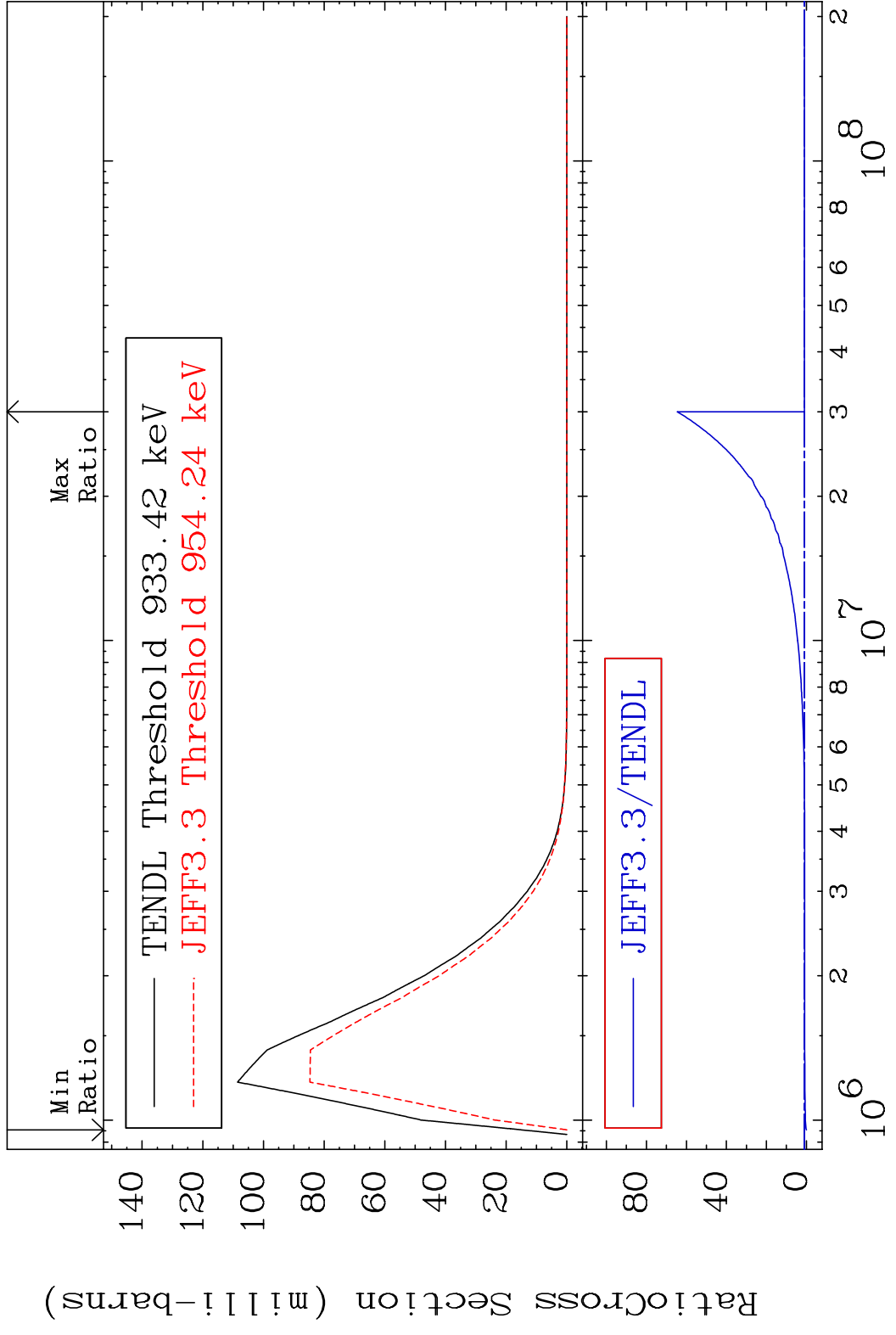
35 Incident Energy (eV) 42-Mo-99

MAT 4246 MT= 67 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 2307. %

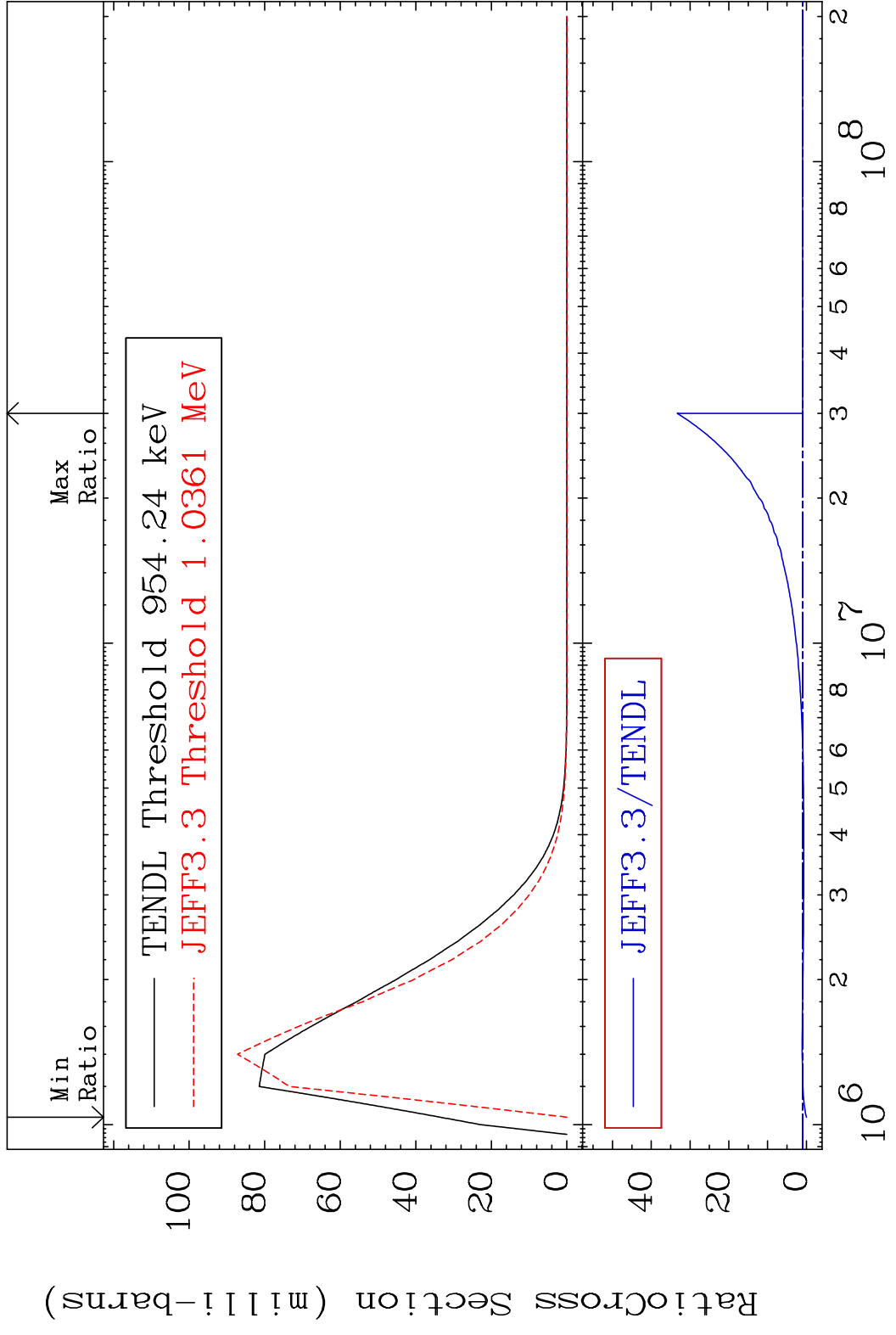


36 Incident Energy (eV) 42-Mo-99

MAT 4246 MT= 68 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 6360. %

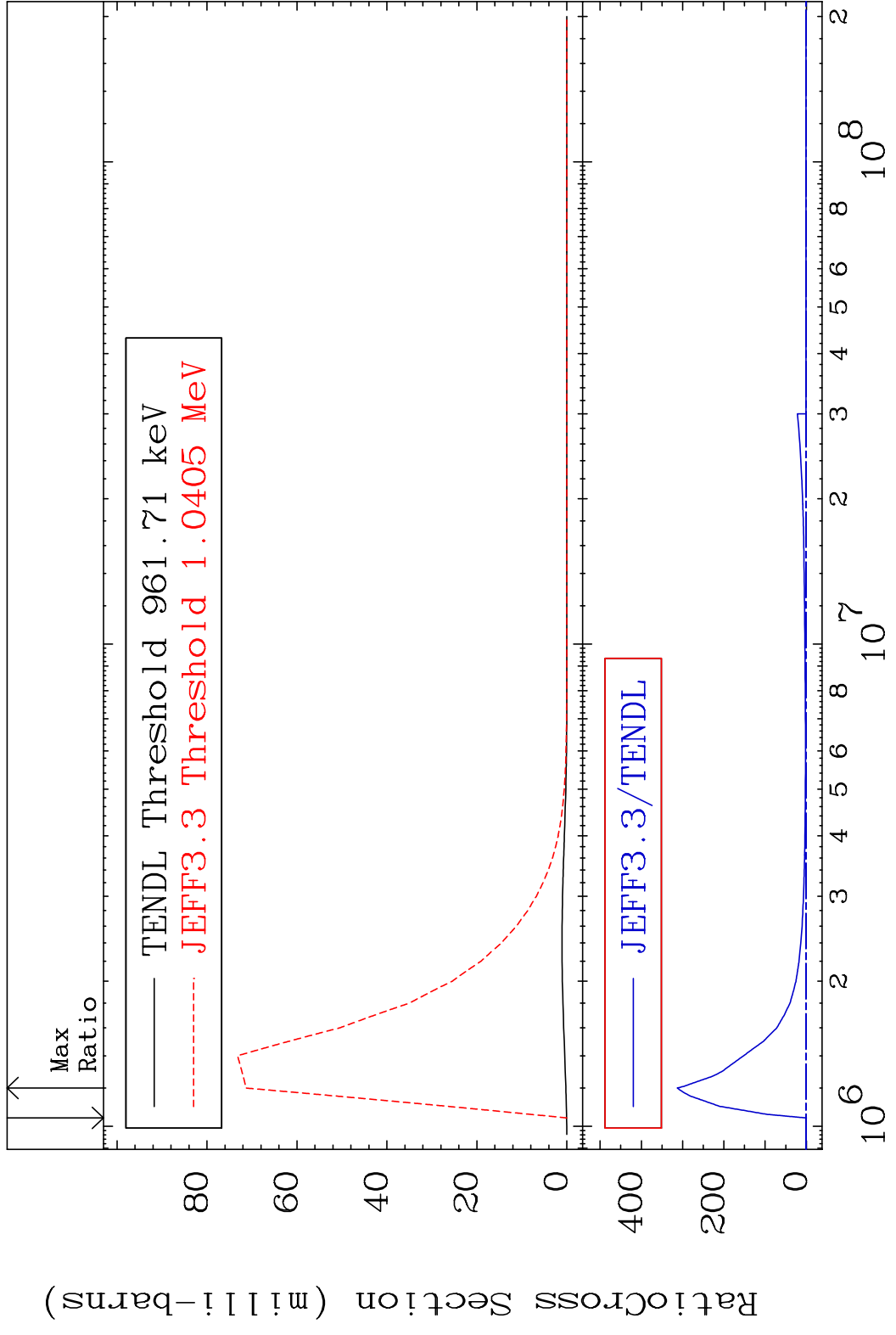


MAT 4246 MT= 69 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 3231. %



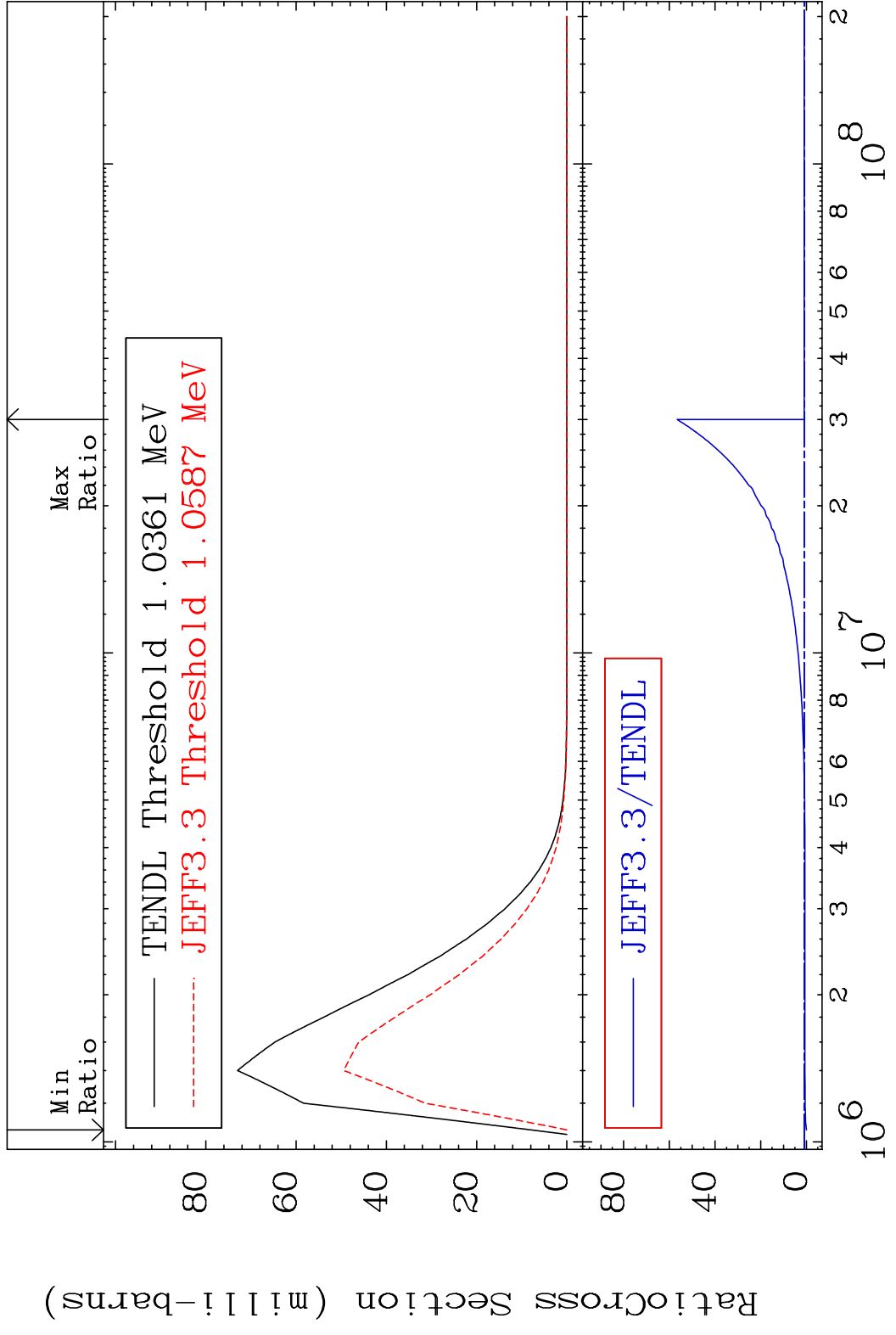
38 Incident Energy (eV) 42-Mo-99

MAT 4246 MT= 70 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 9999. %

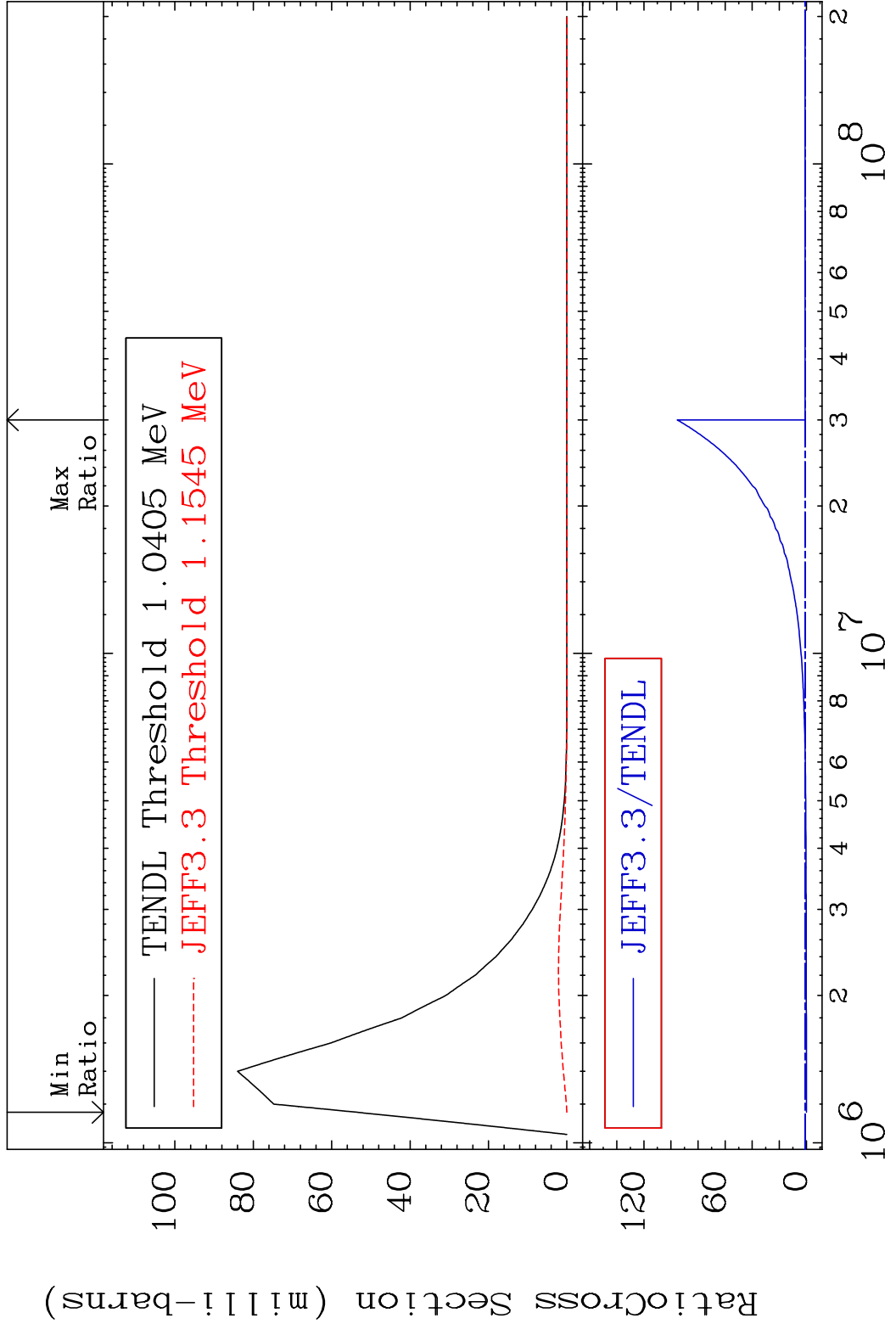


39 Incident Energy (eV) 42-Mo-99

MAT 4246 MT= 71 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 5557. %

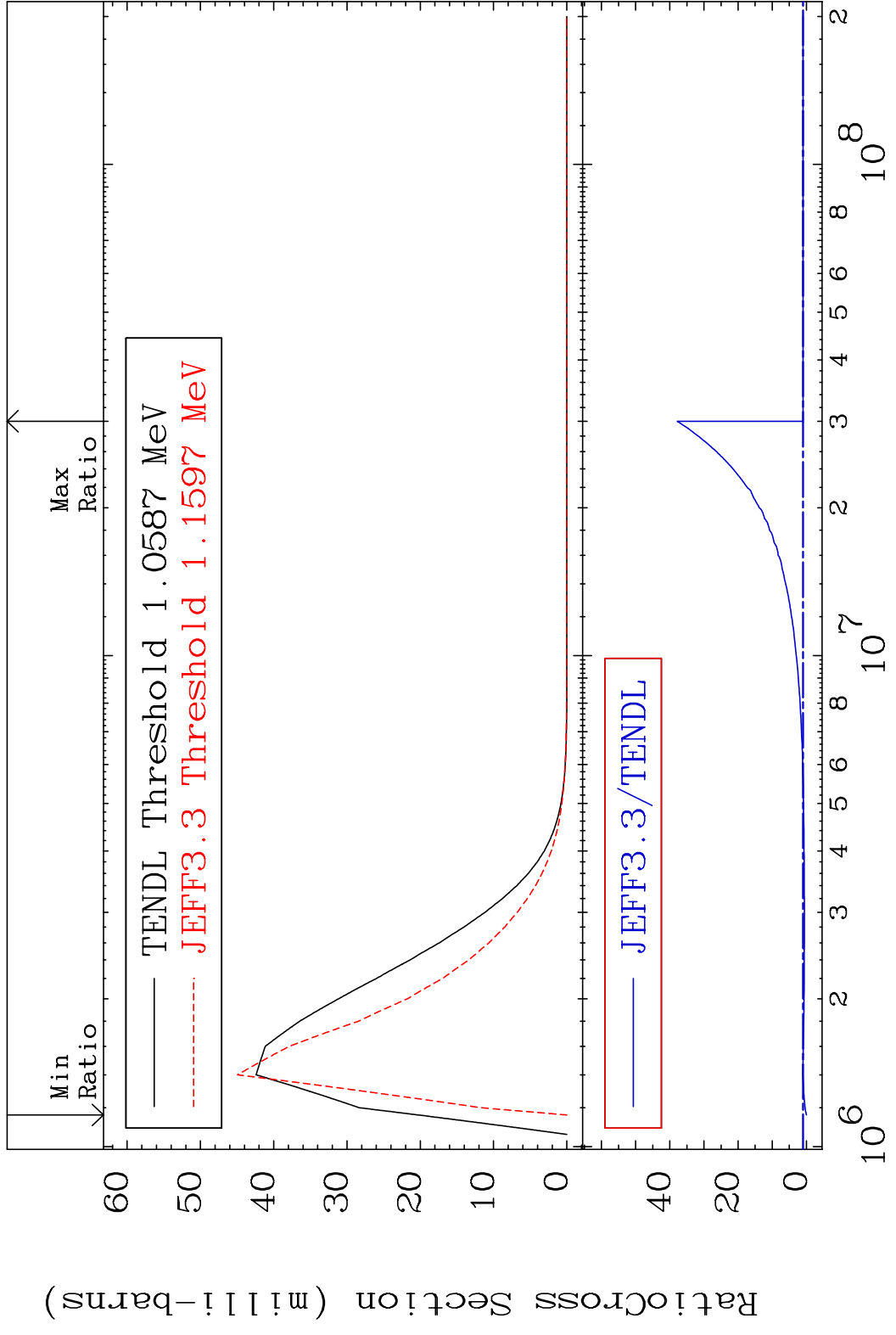


MAT 4246 MT= 72 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 9439. %



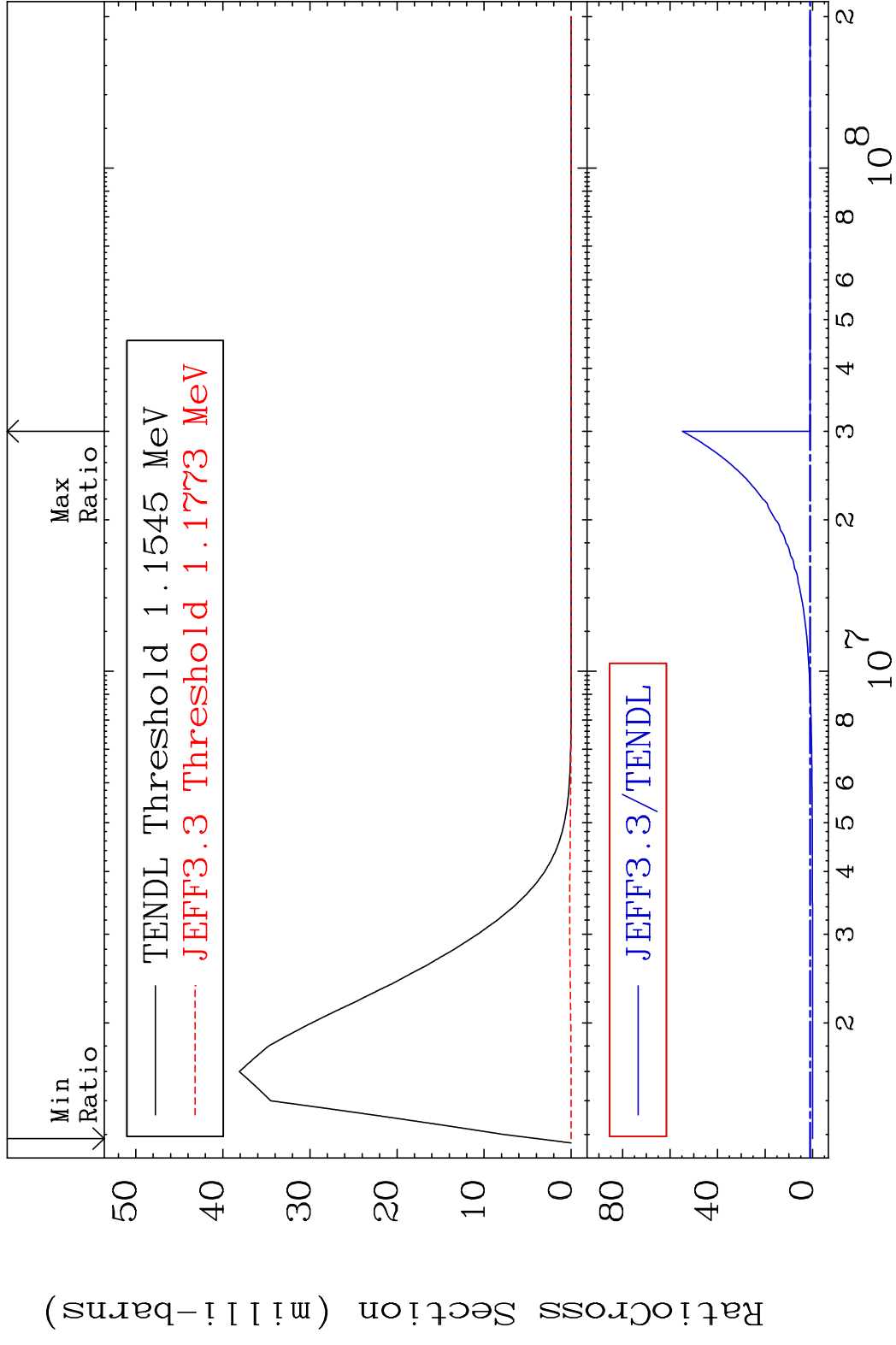
41 Incident Energy (eV) 42-Mo-99

MAT 4246 MT= 73 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 3684. %

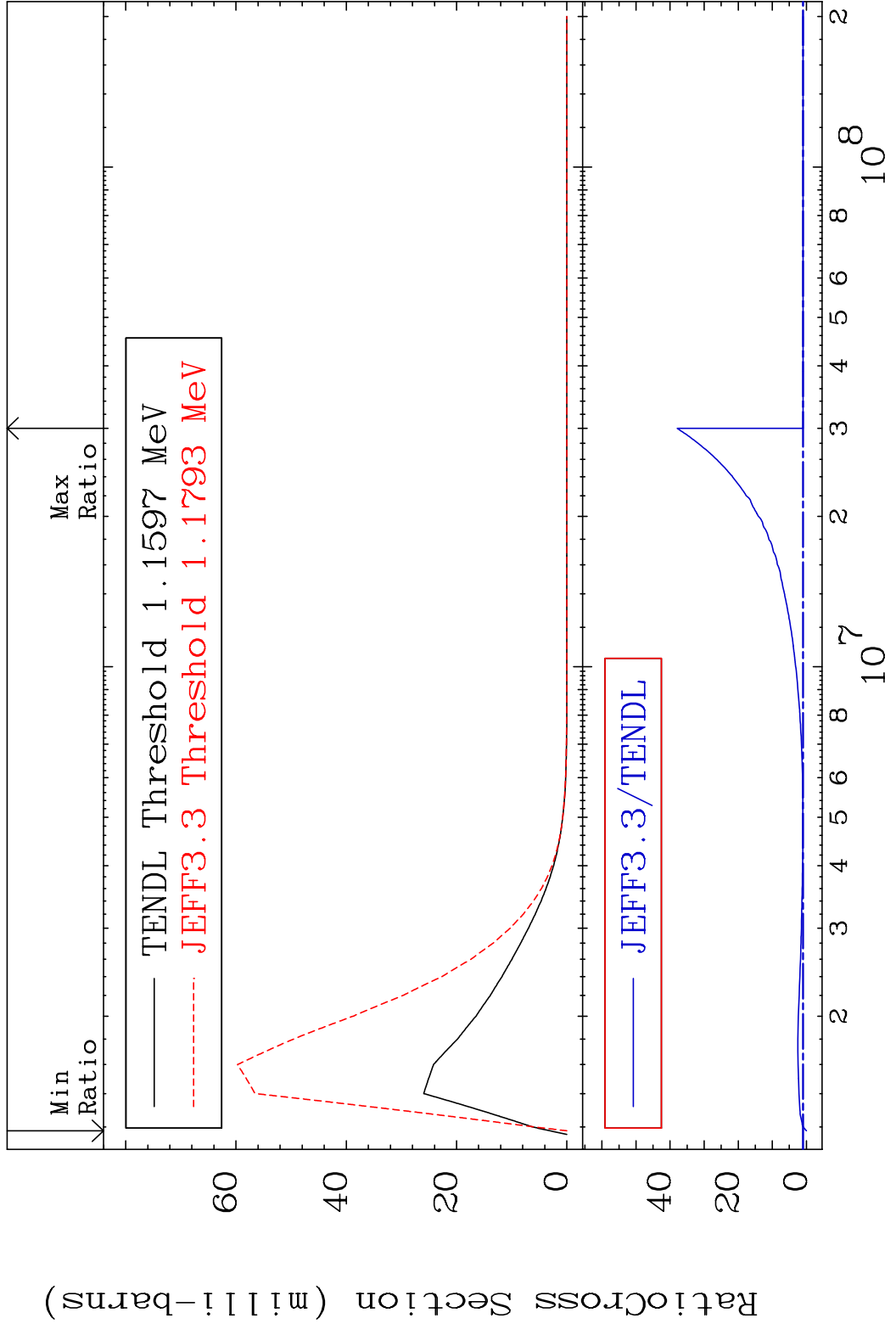


42 Incident Energy (eV) 42-Mo-99

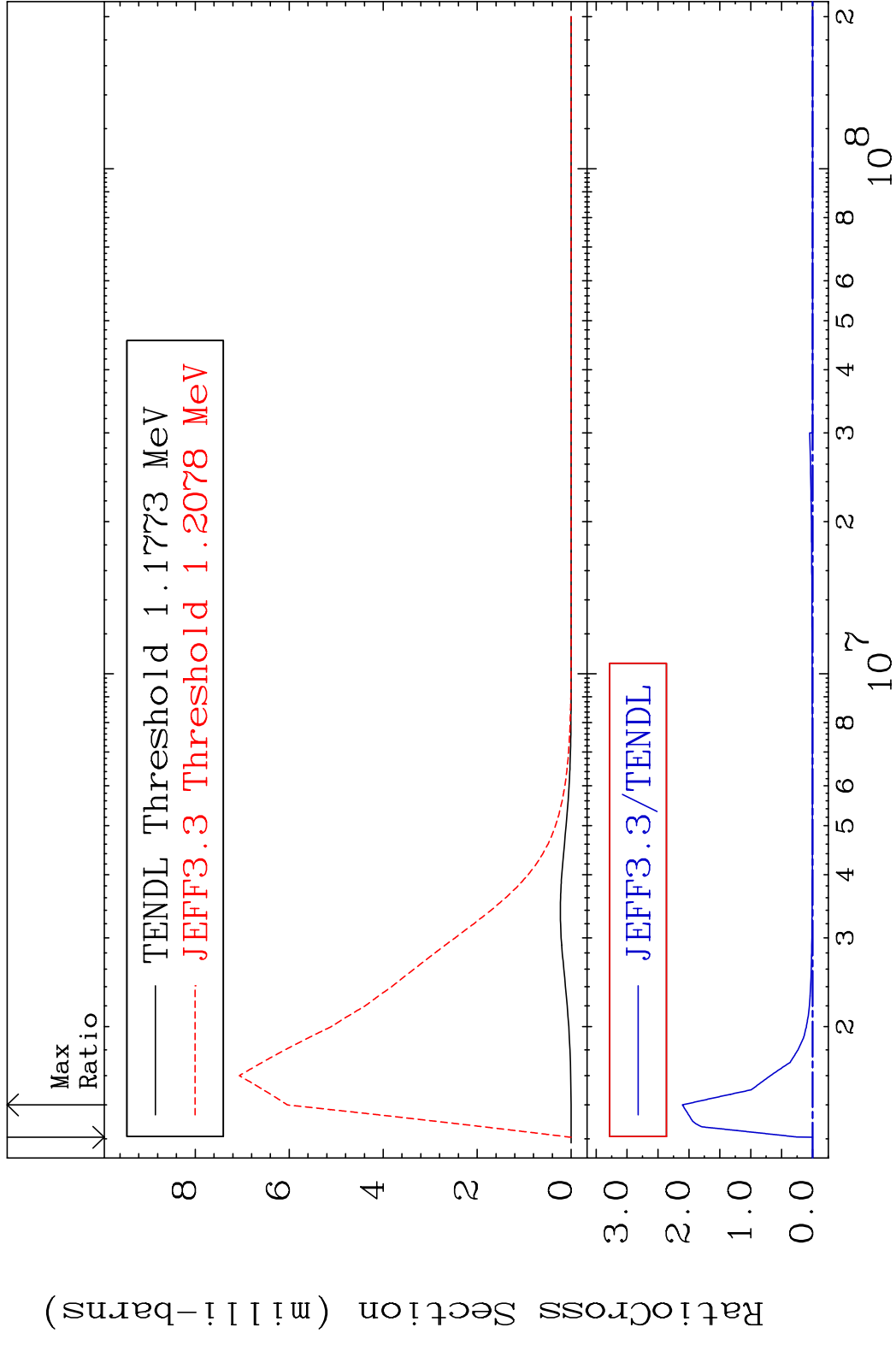
MAT 4246 MT= 74 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 5383. %



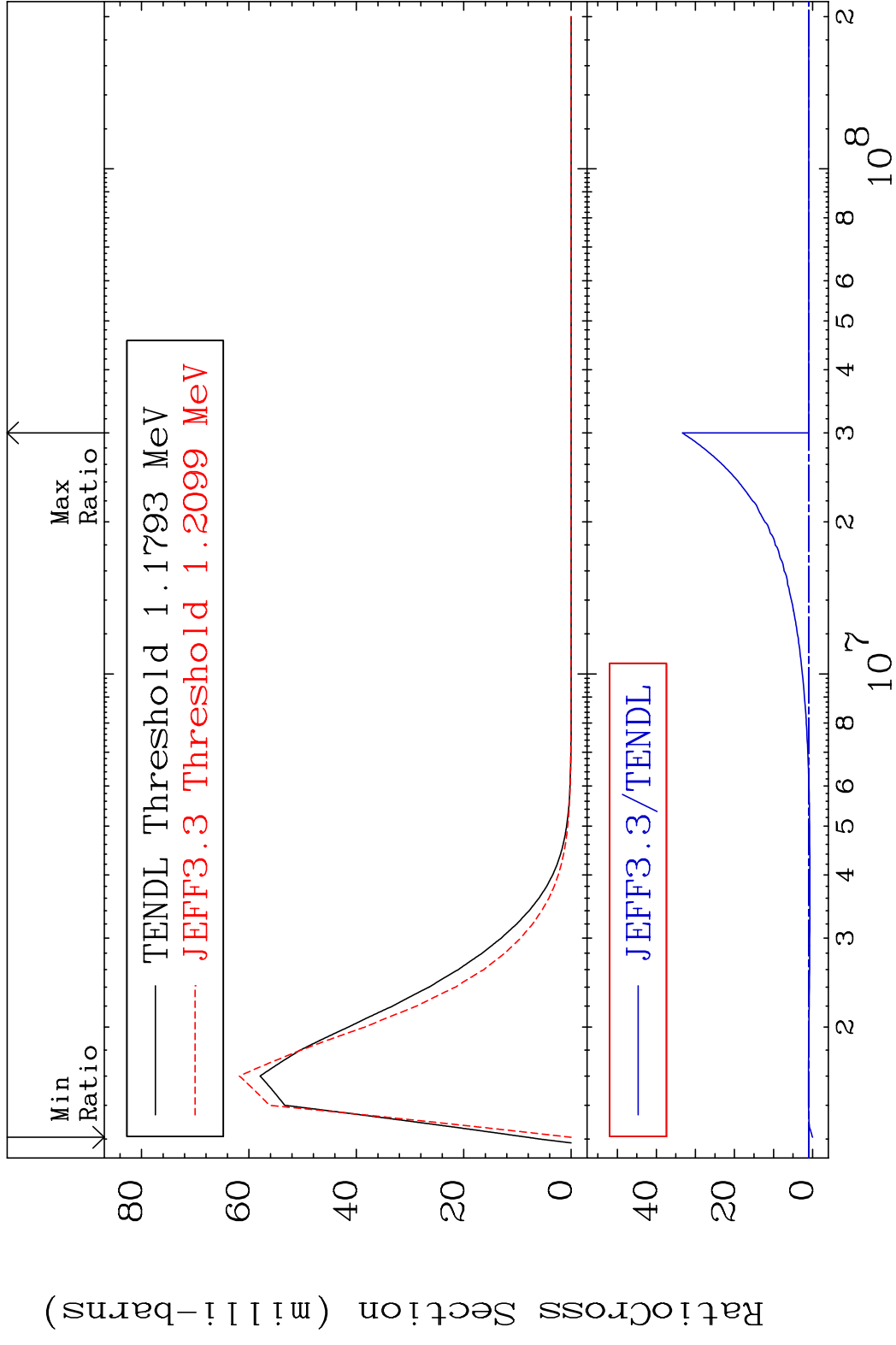
MAT 4246 MT= 75 (n,n') Level 42-Mo-99
 Cross Section -100.0 To 3691. %



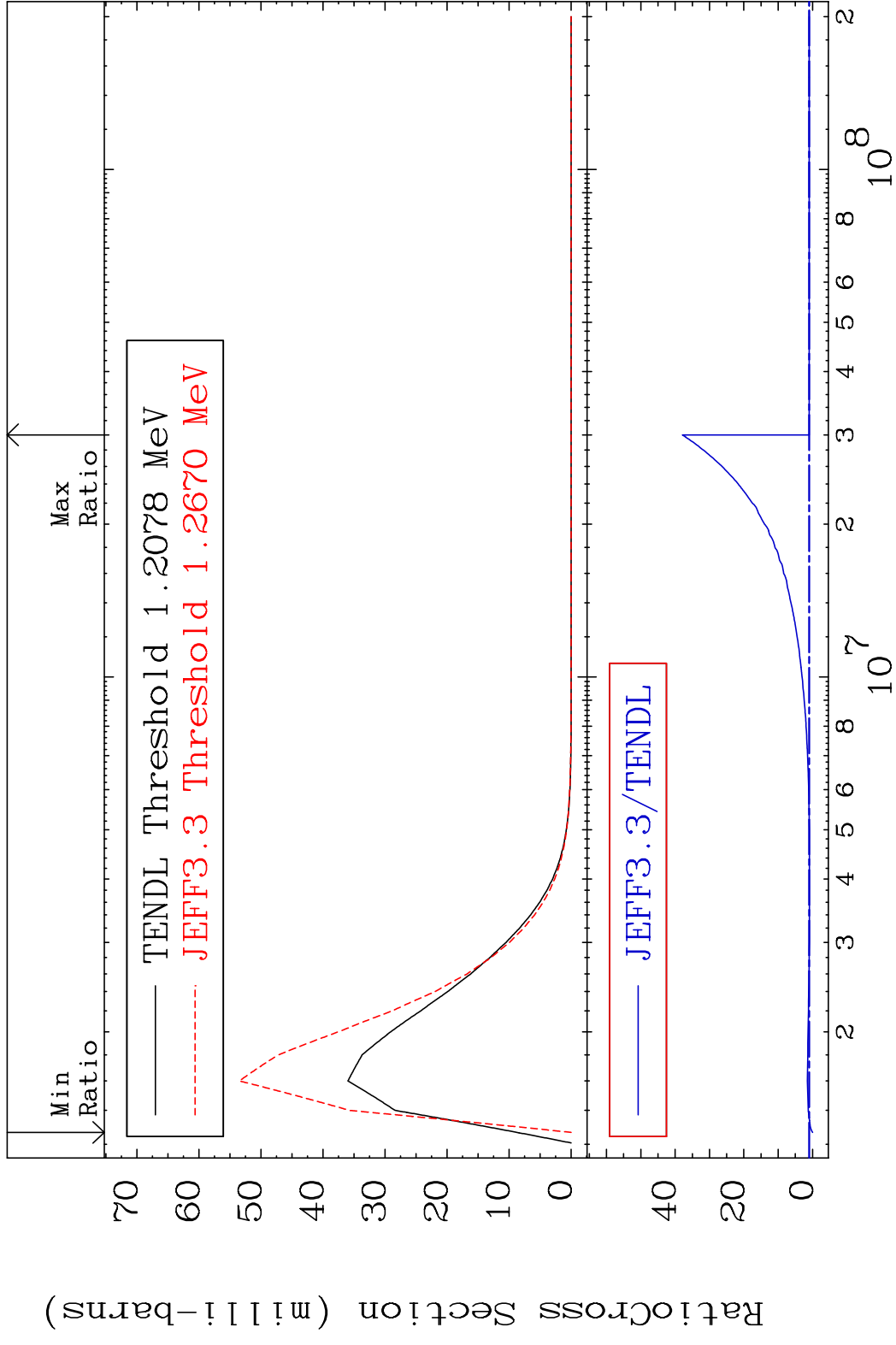
MAT 4246 MT= 76 (n,n') Level 42-Mo-99
 Cross Section -100.0 To 9999. %



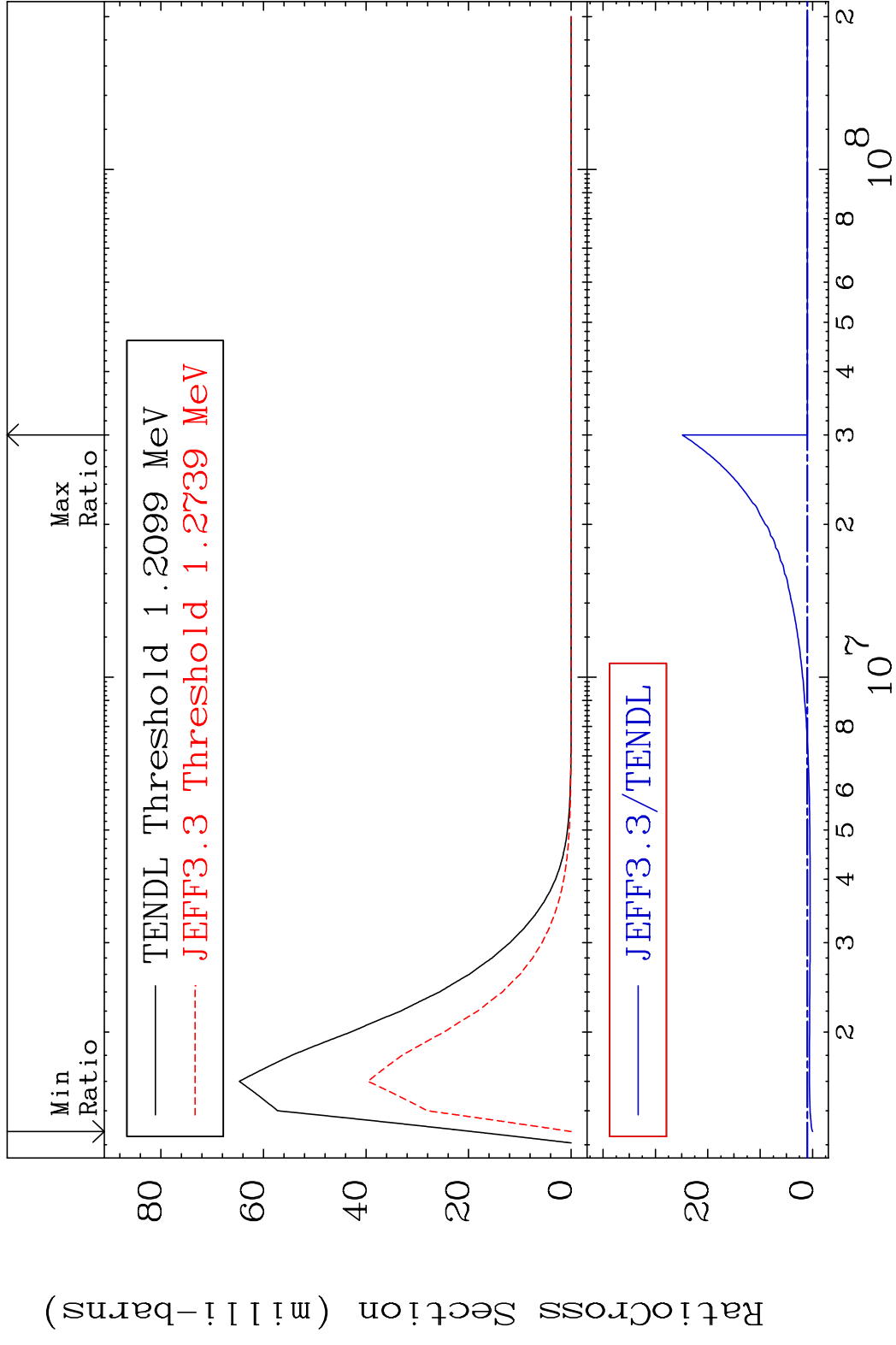
MAT 4246 MT= 77 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 3234. %



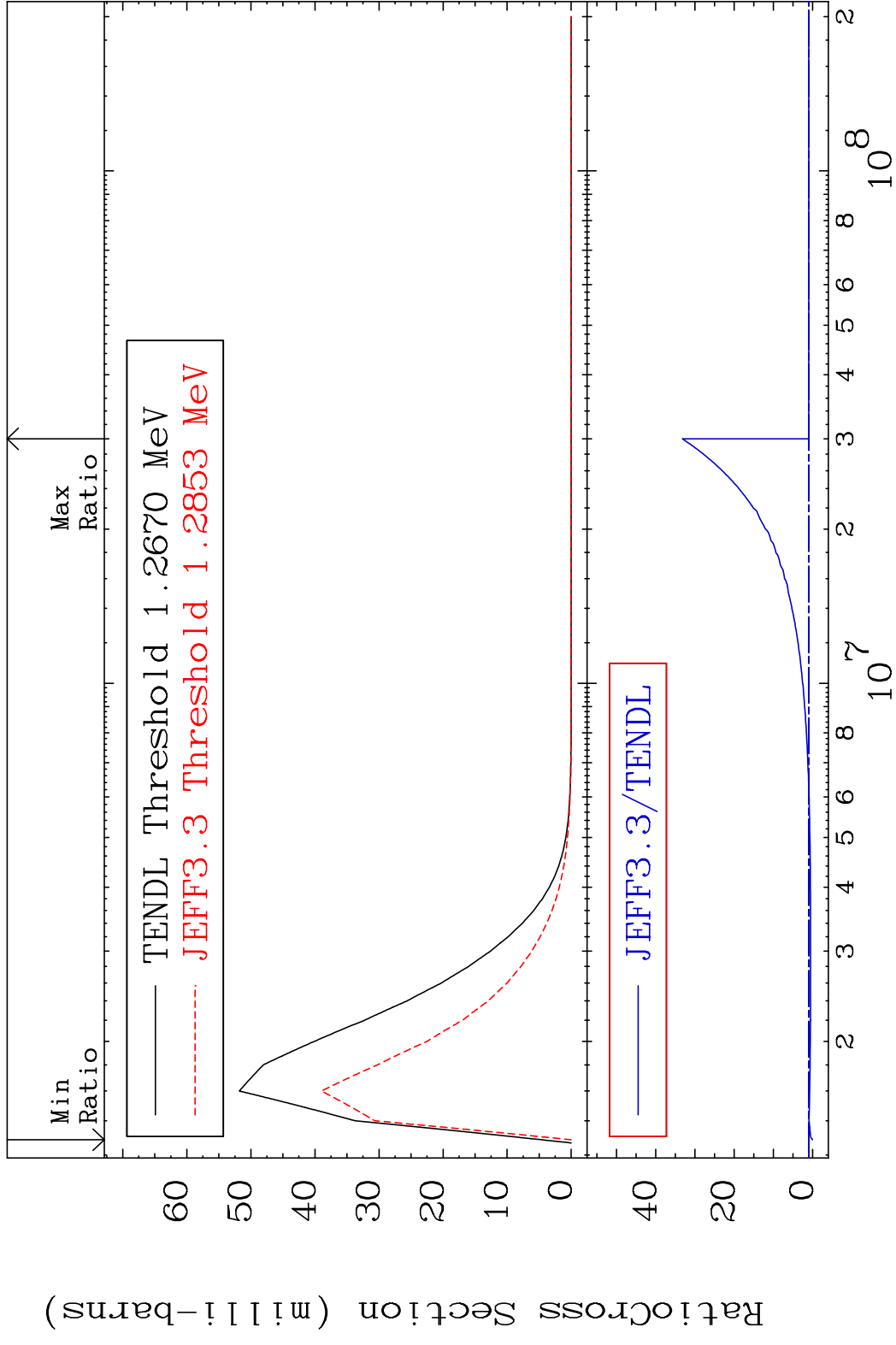
MAT 4246 MT= 78 (n,n') Level 42-Mo-99
 Cross Section -100.0 To 3690. %



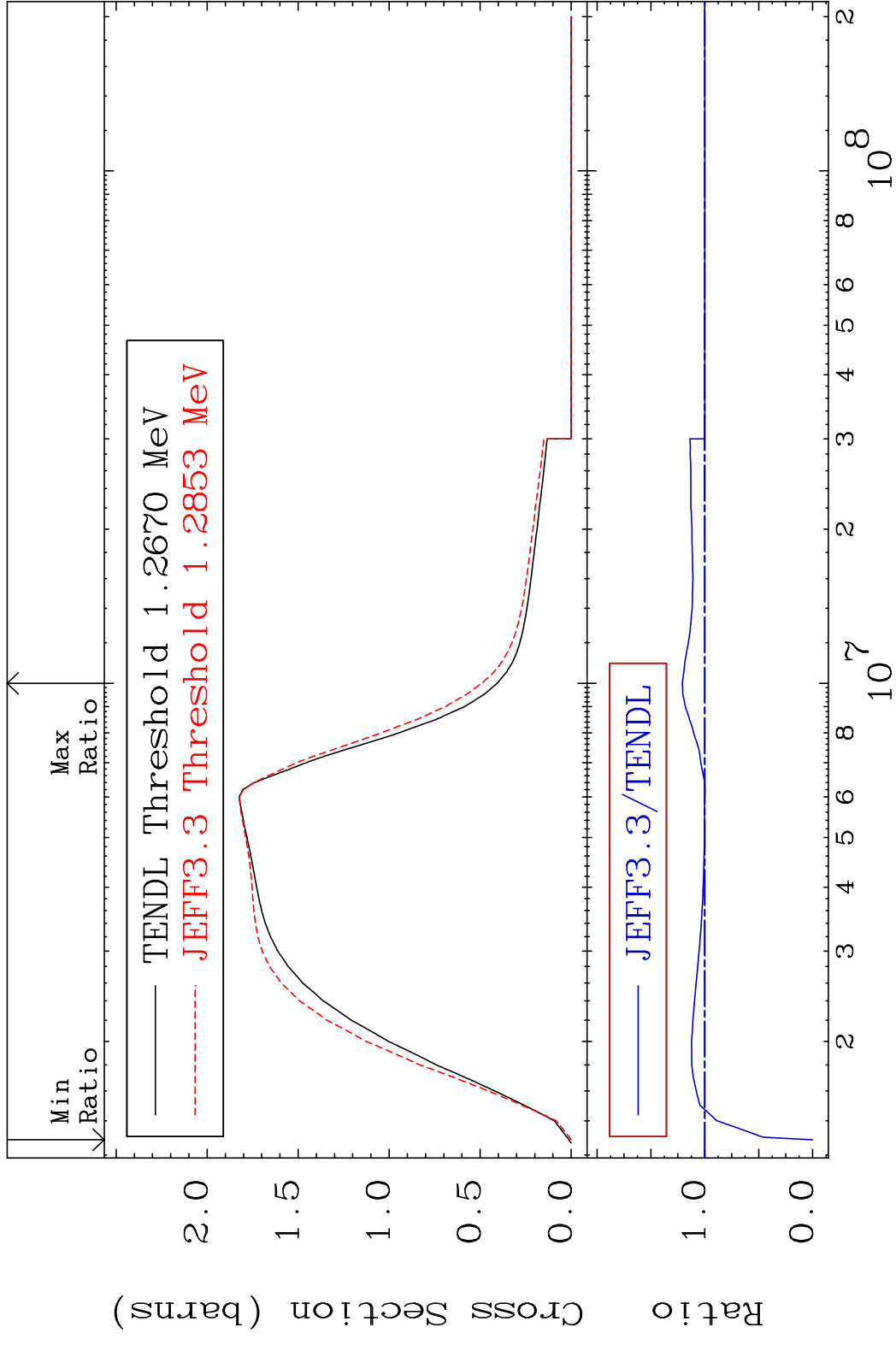
MAT 4246 MT= 79 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 2386. %



MAT 4246 MT= 80 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 3221. %



MAT 4246 (n, n') Continuum 42-Mo-99
 Cross Section -100.0 To 20.83 %

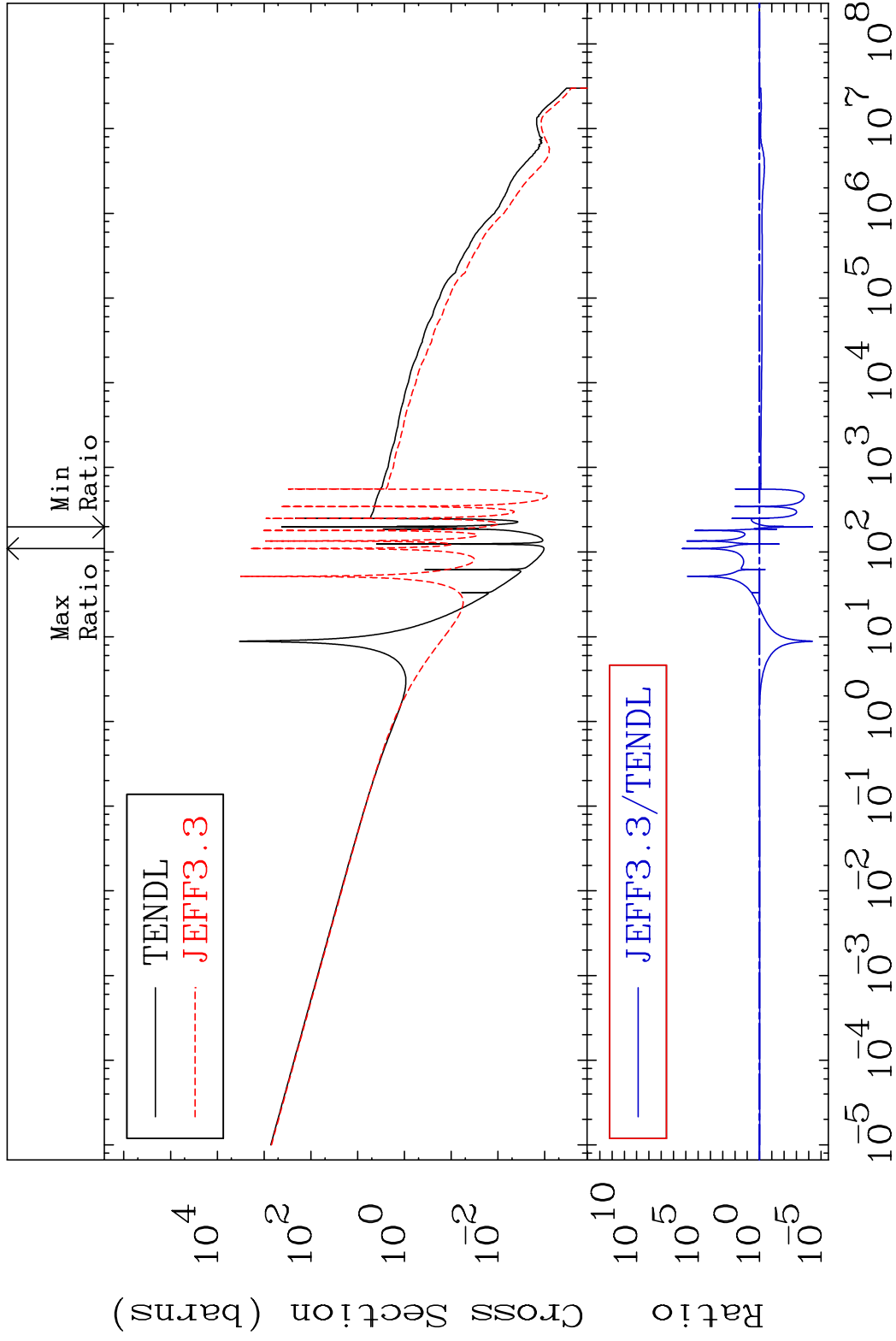


MAT 4246

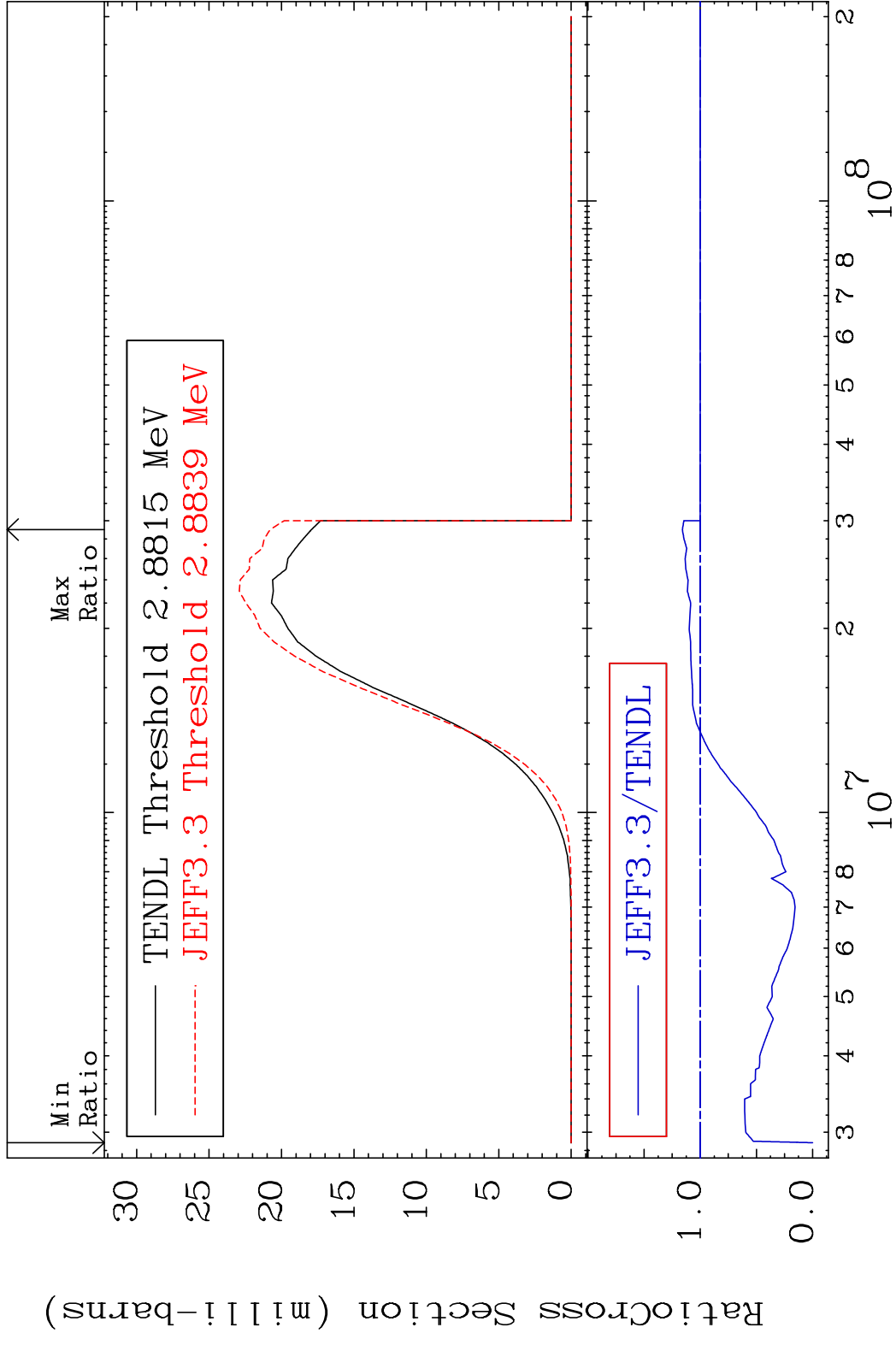
(n, γ)

42-Mo-99

Cross Section -100.0 To 9999. %



MAT 4246 (n,p) 42-Mo-99
 Cross Section -100.0 To 15.92 %

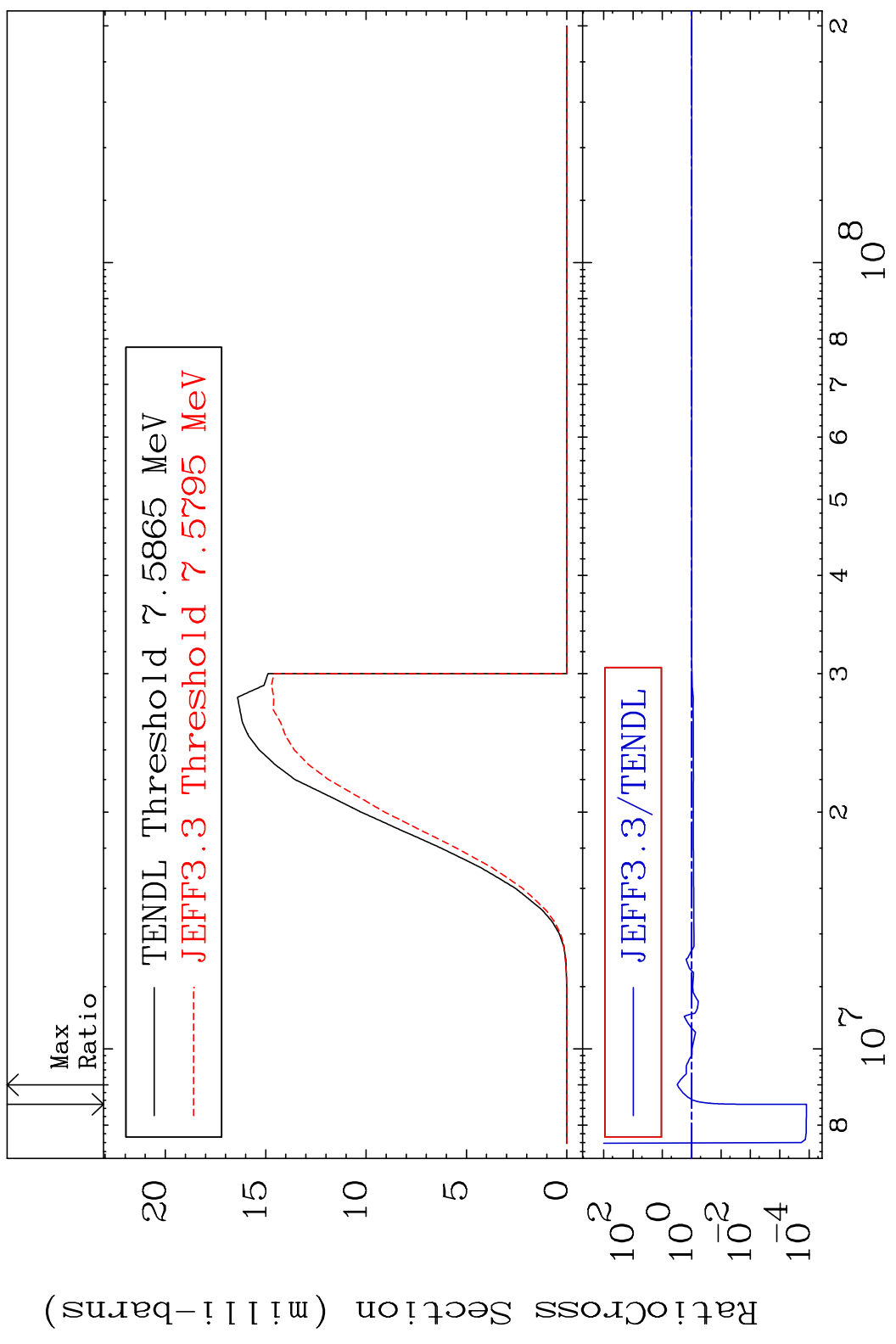


MAT 4246

(n, d)

42-Mo-99

Cross Section -99.99 To 213.2 %



53

Incident Energy (eV)

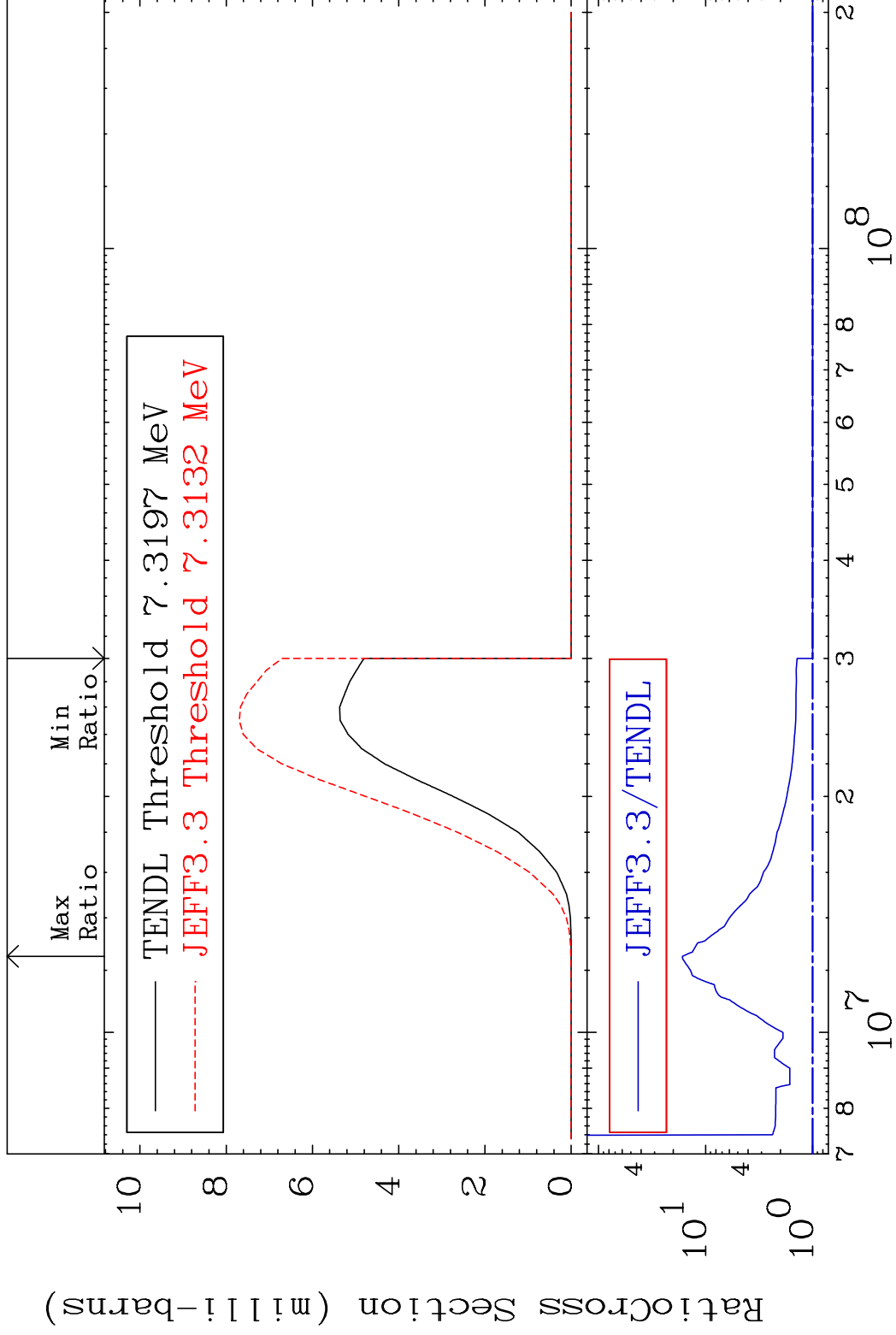
42-Mo-99

MAT 4246

(n, t)

42-Mo-99

Cross Section 0.000 To 1548. %



54

Incident Energy (eV)

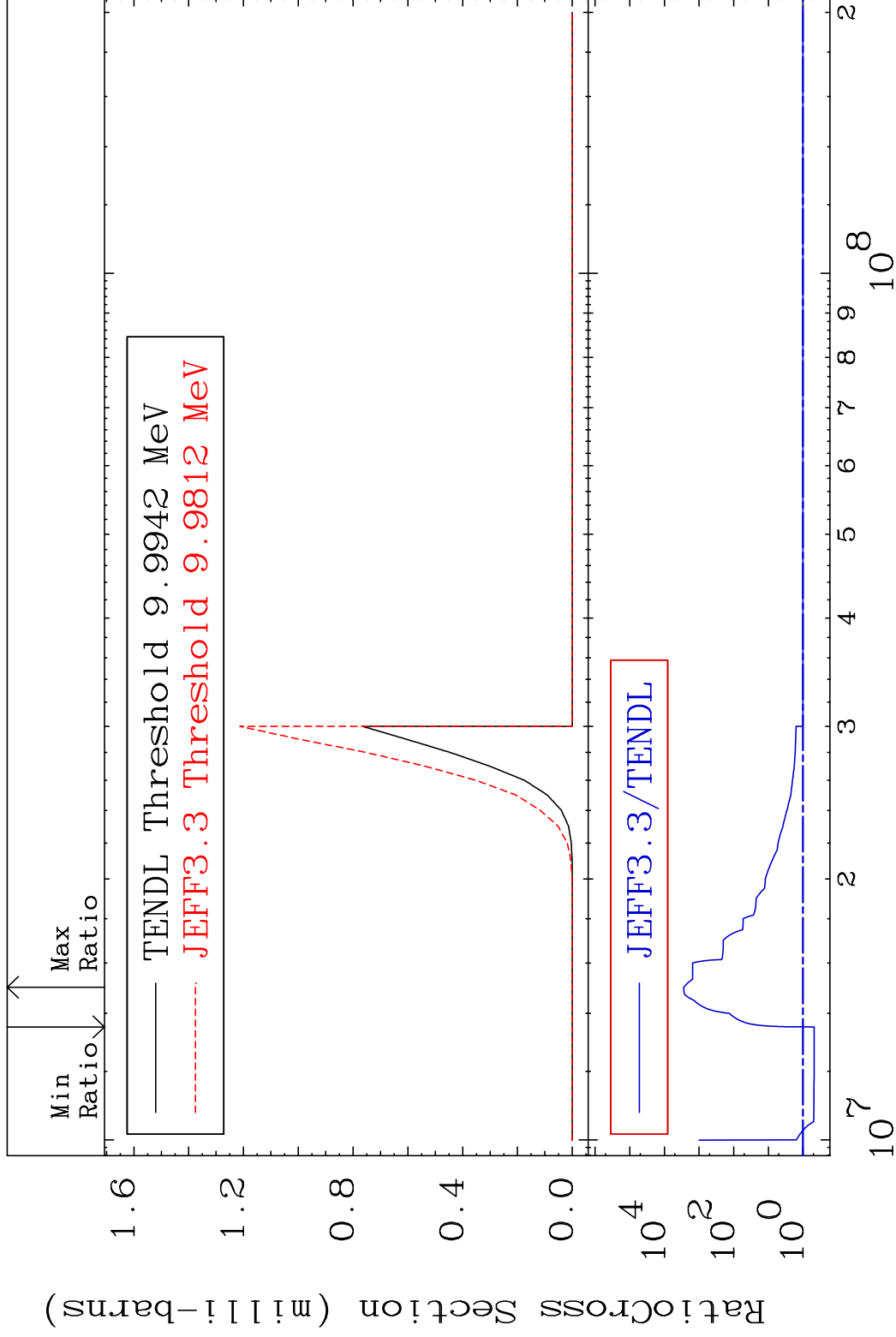
42-Mo-99

MAT 4246

(n, He-3)

42-Mo-99

Cross Section -52.00 To 9999. %



55

Incident Energy (eV)

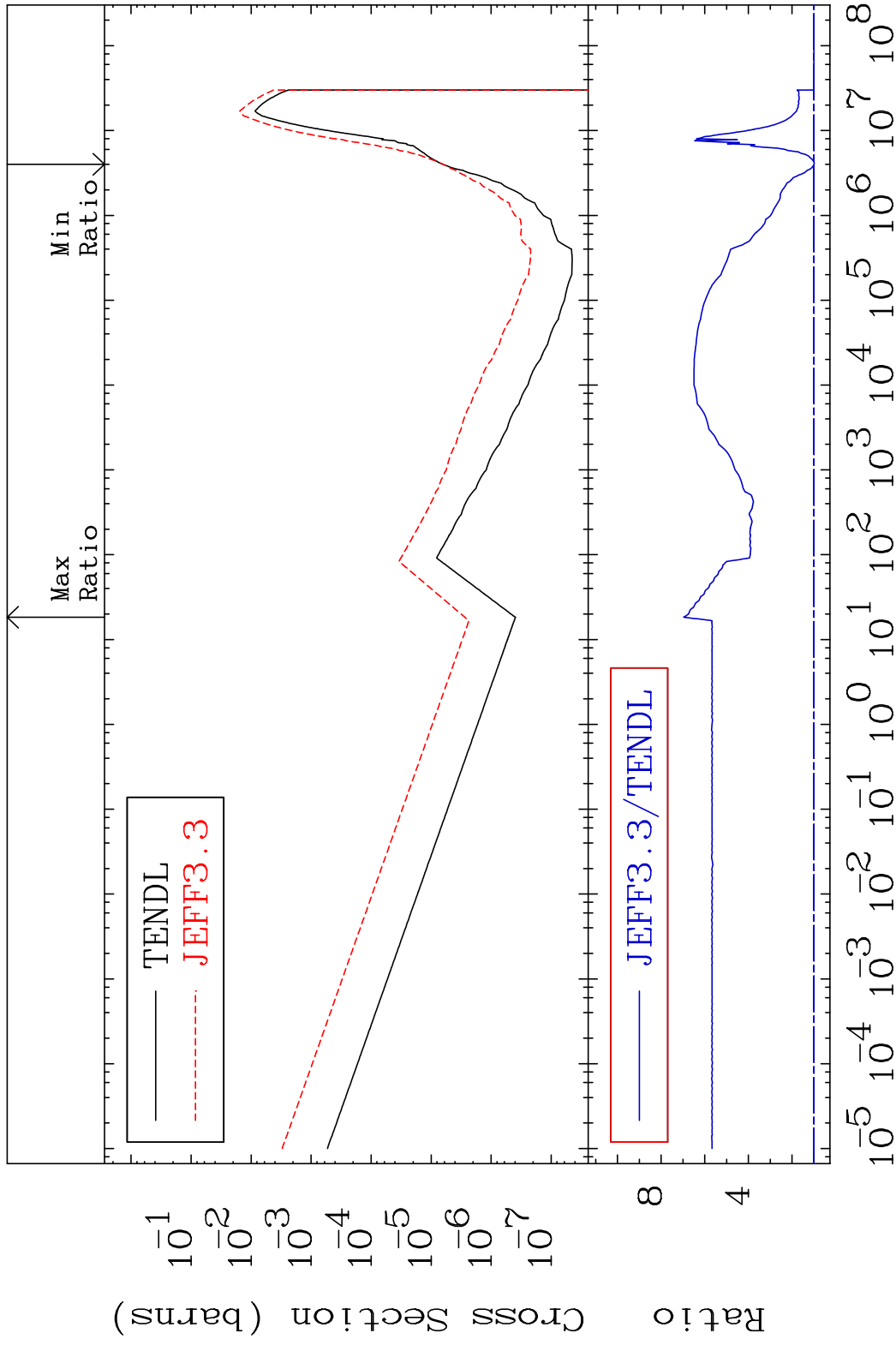
42-Mo-99

MAT 4246

(n, α)

42-Mo-99

Cross Section -1.105 To 596.9 %



56

Incident Energy (eV)

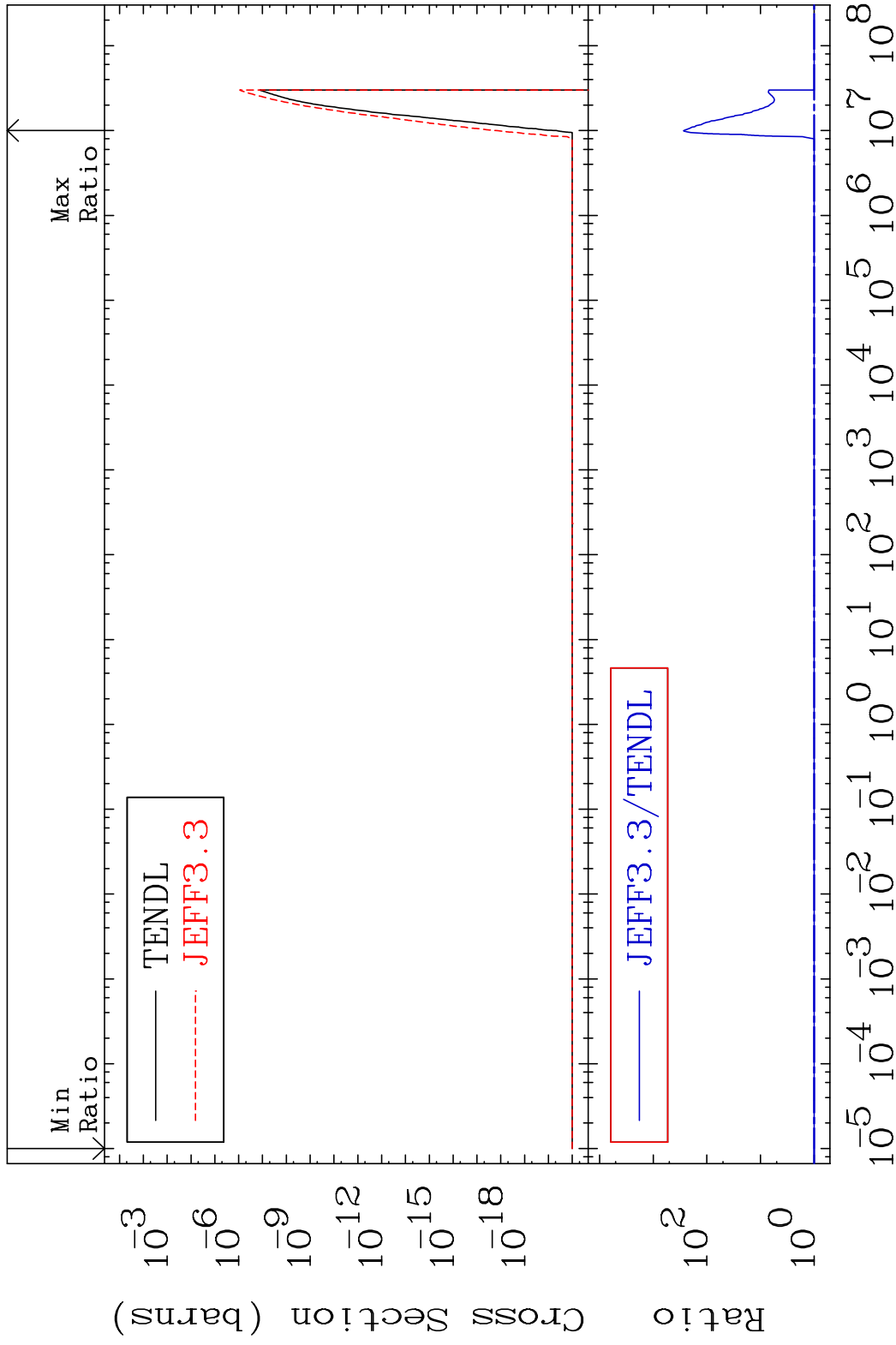
42-Mo-99

MAT 4246

(n, 2α)

42-Mo-99

Cross Section 0.000 To 9999. %



57

Incident Energy (eV)

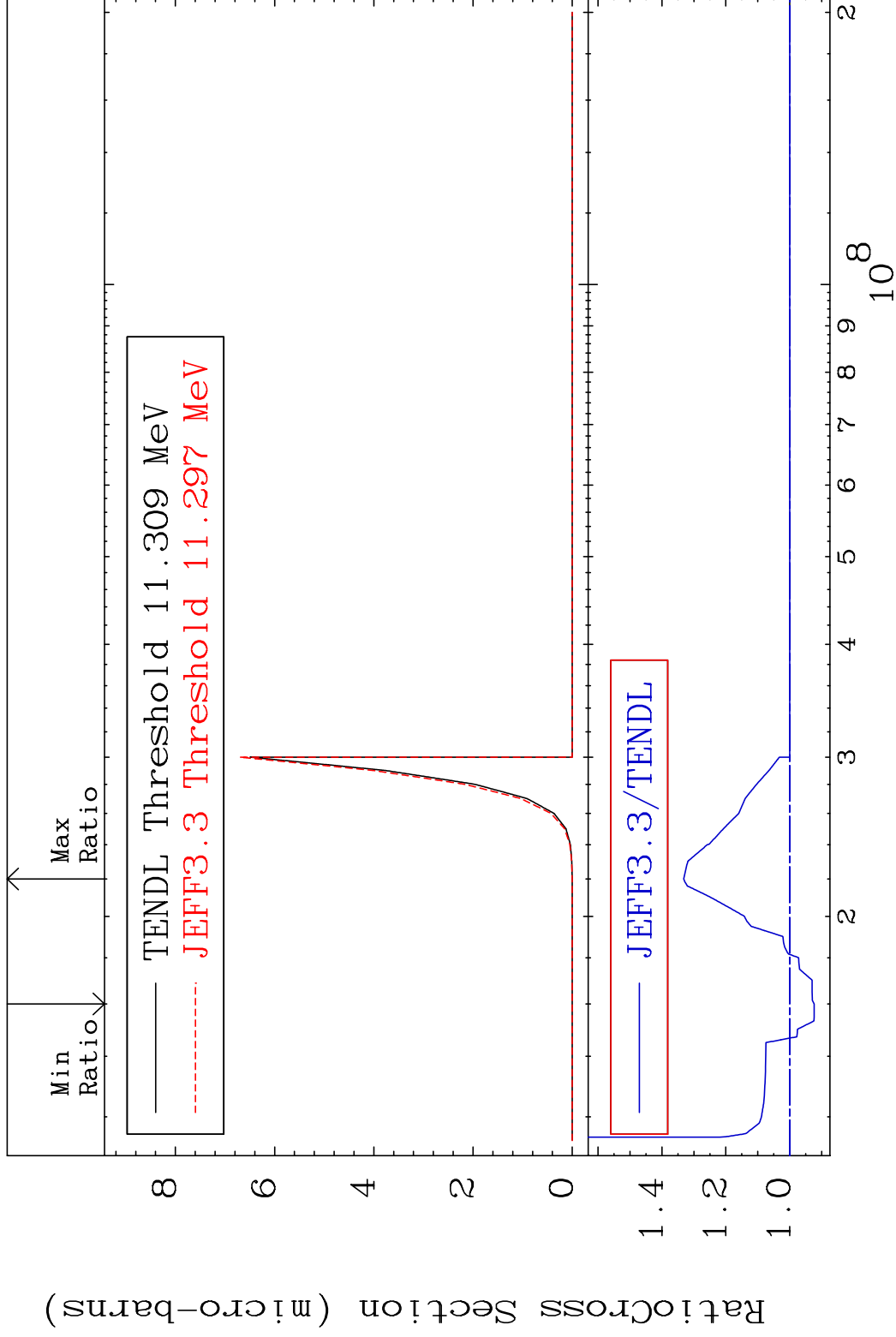
42-Mo-99

MAT 4246

(n,2p)

42-Mo-99

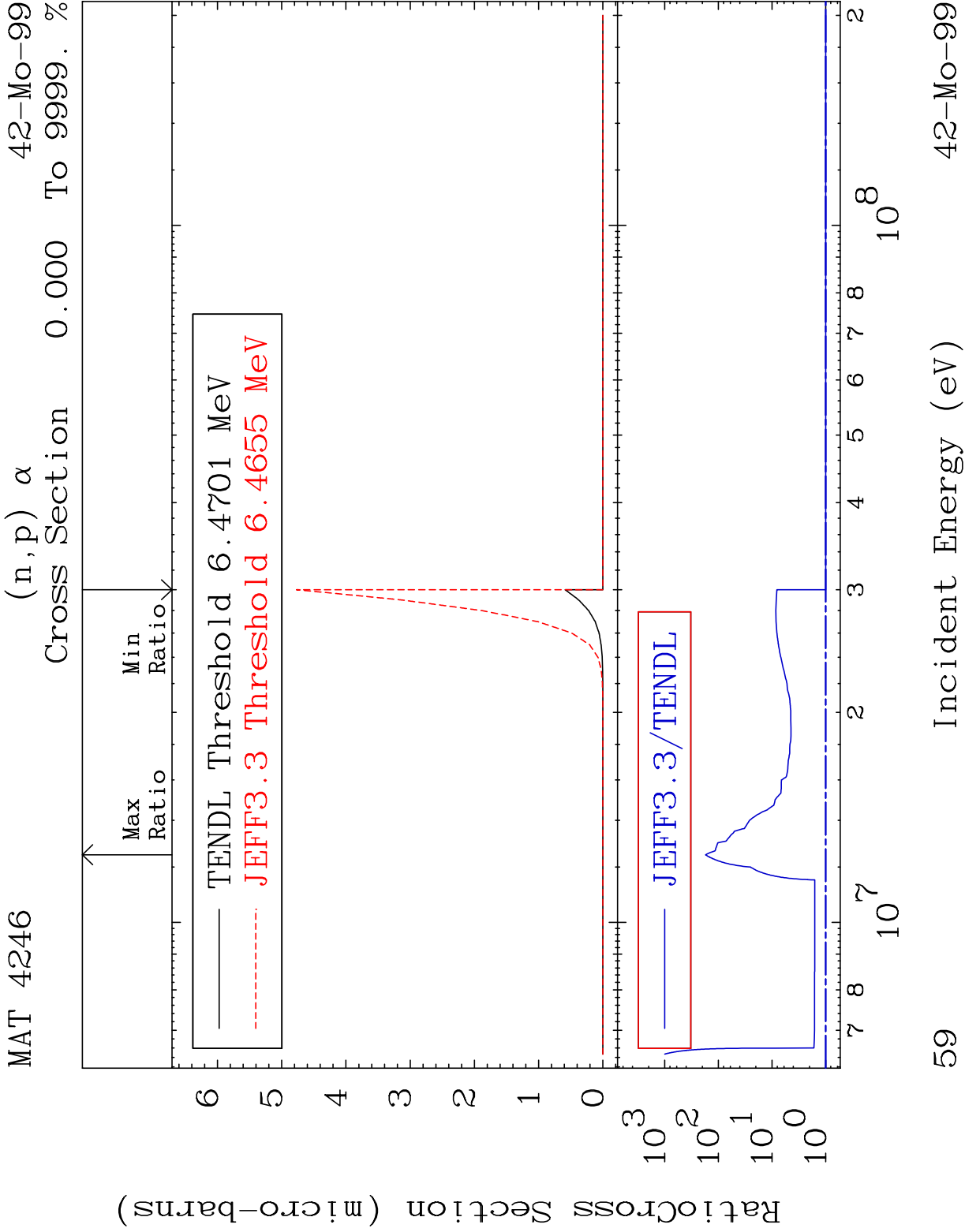
Cross Section -7.645 To 33.21 %



58

Incident Energy (eV)

42-Mo-99

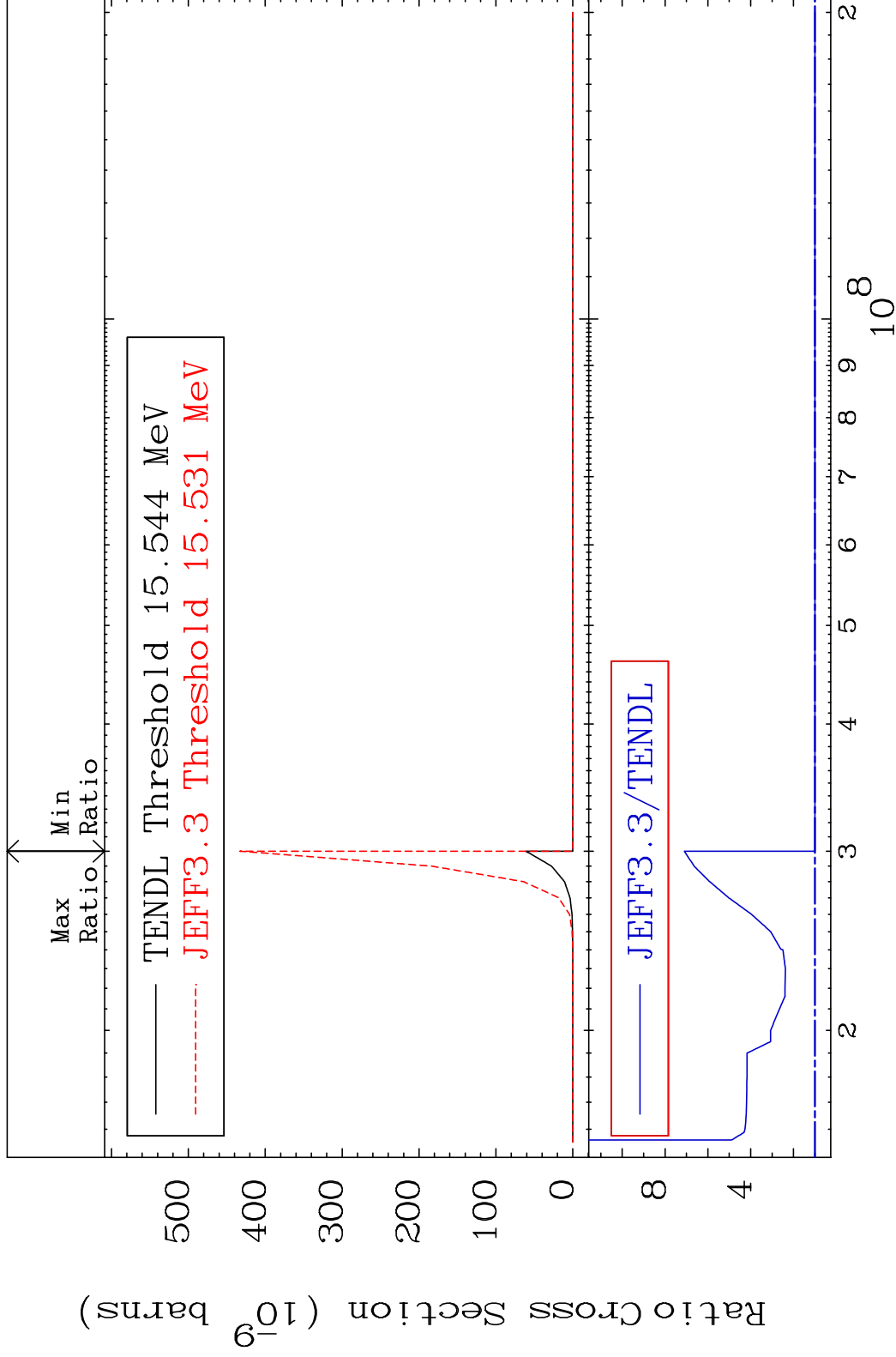


MAT 4246

(n,p) d

42-Mo-99

Cross Section 0.000 To 609.9 %



60

Incident Energy (eV)

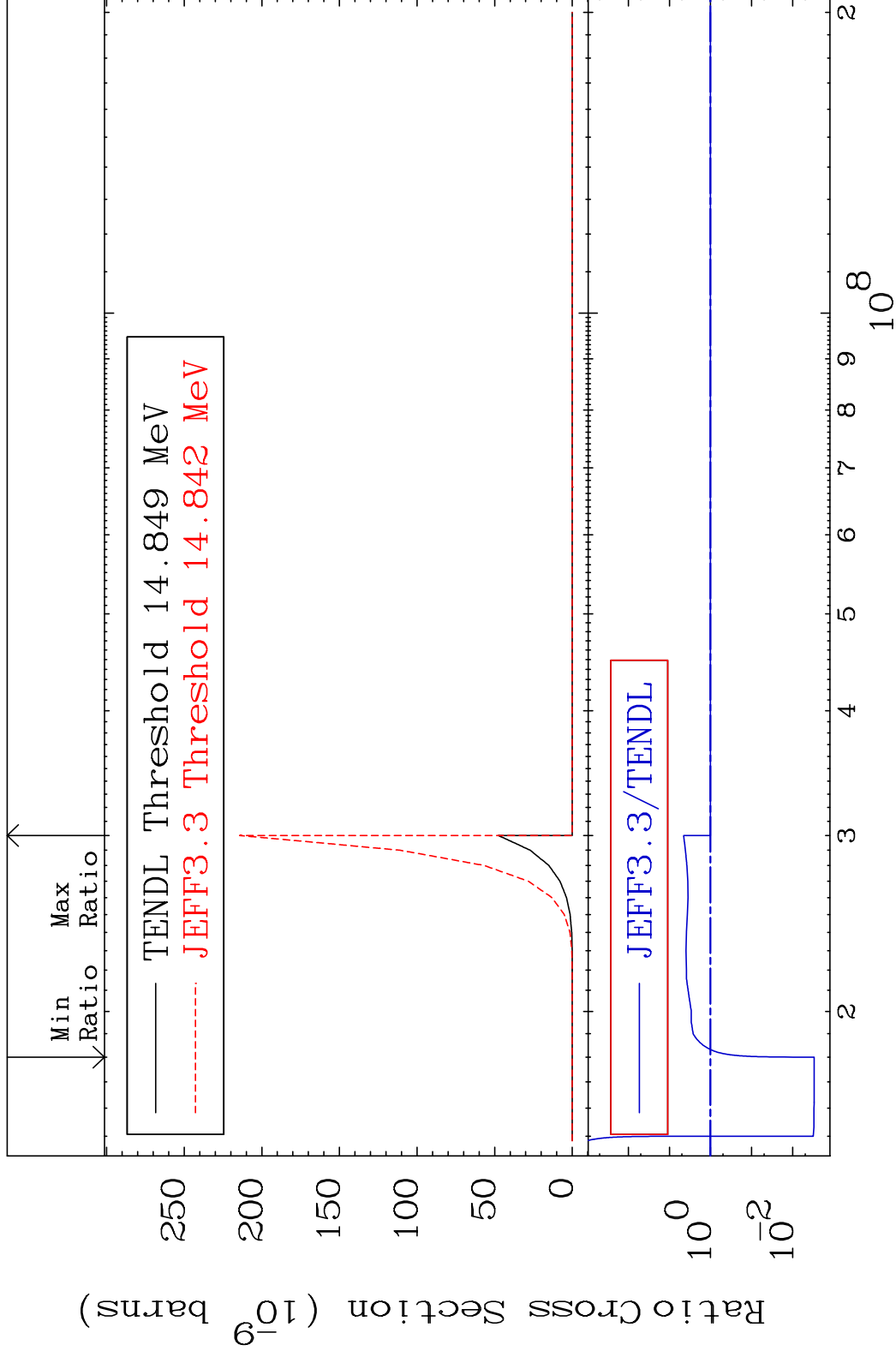
42-Mo-99

MAT 4246

(n,p) t

42-Mo-99

Cross Section -99.70 To 350.5 %



61

Incident Energy (eV)

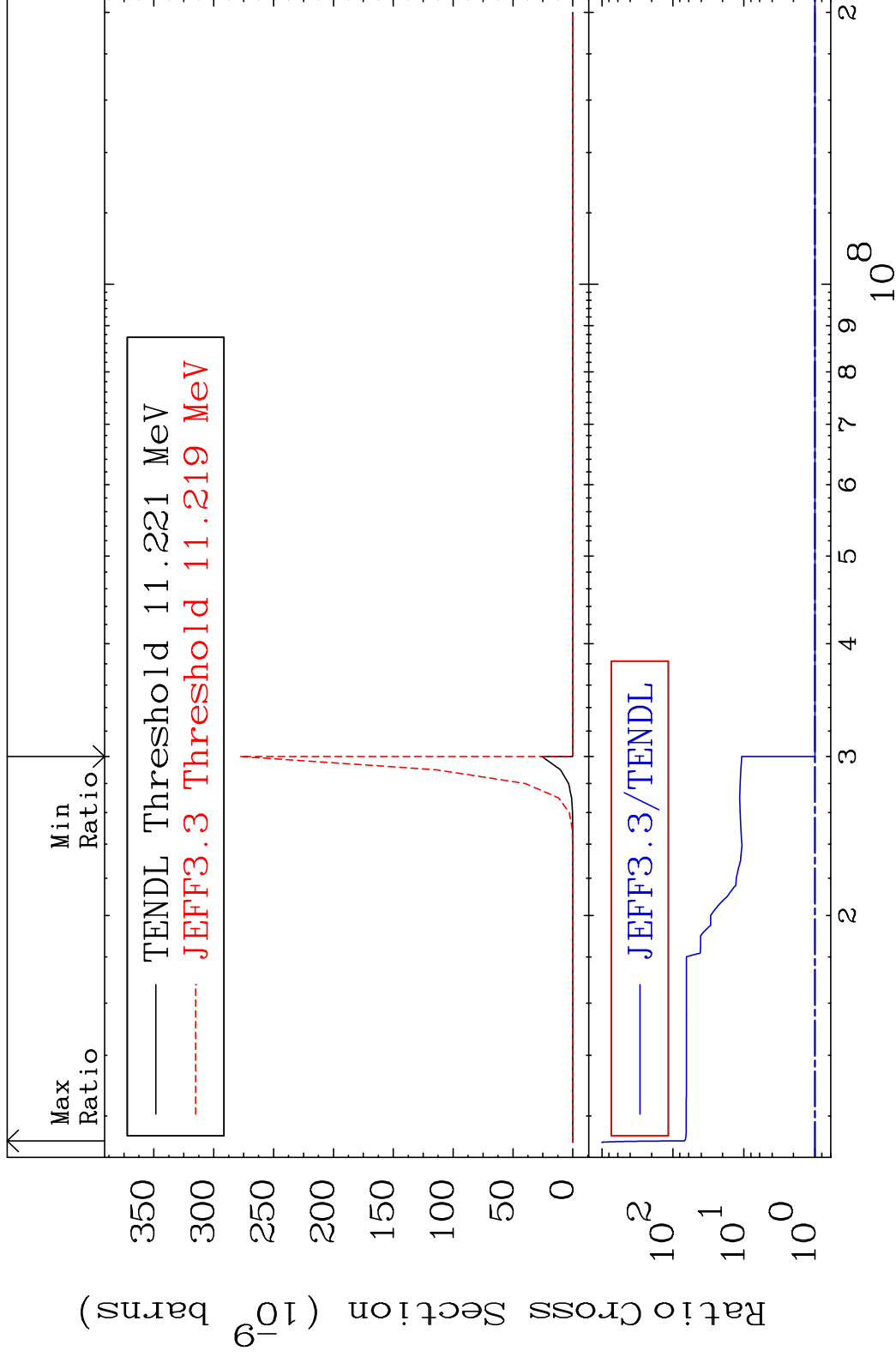
42-Mo-99

MAT 4246

(n,d) α

42-Mo-99

Cross Section 0.000 To 6815. %



62

Incident Energy (eV)

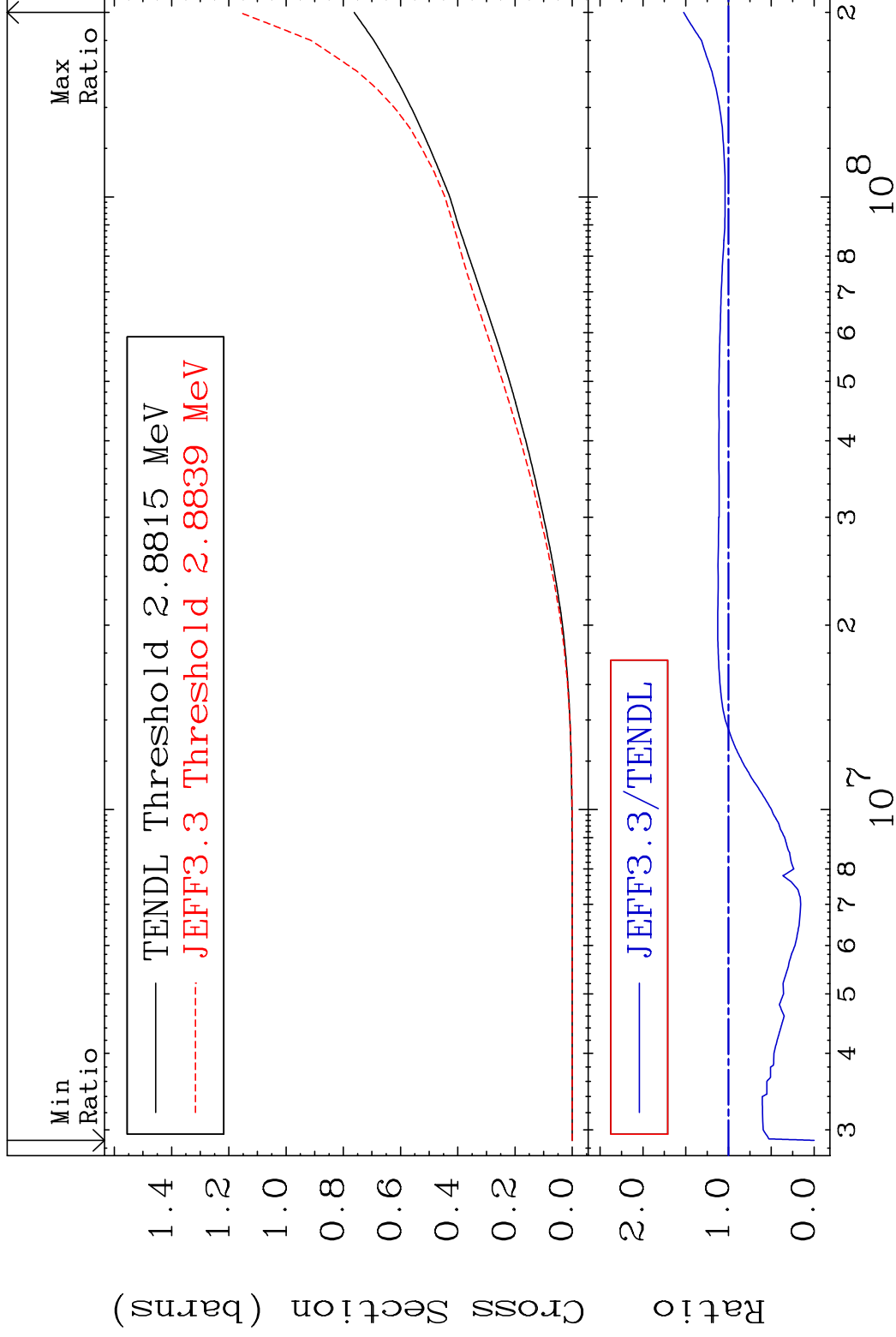
42-Mo-99

MAT 4246

Hydrogen Production

42-Mo-99

Cross Section -100.0 To 52.43 %



63

Incident Energy (eV)

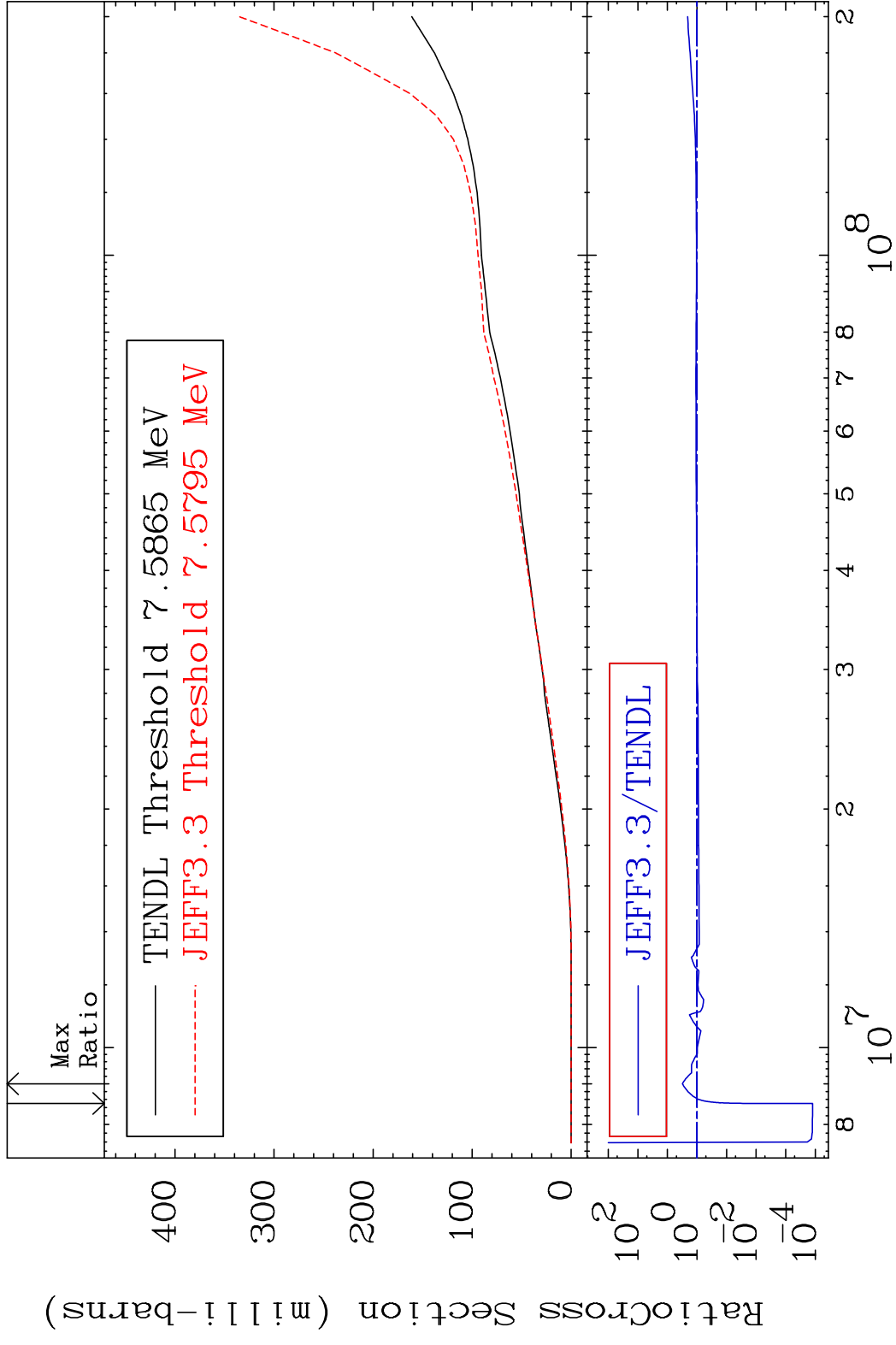
42-Mo-99

MAT 4246

Deuterium Production

42-Mo-99

Cross Section -99.99 To 213.2 %

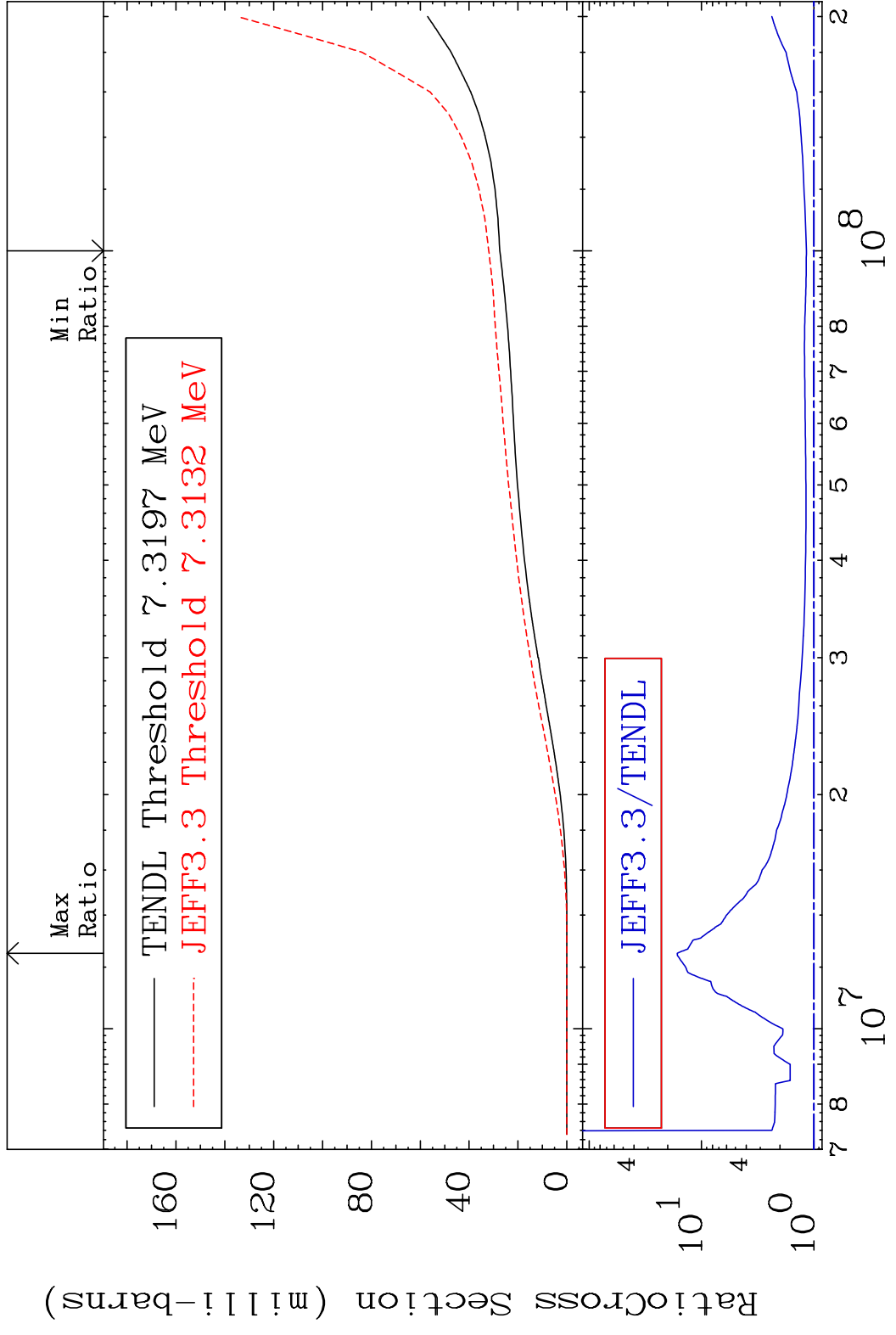


64

Incident Energy (eV)

42-Mo-99

MAT 4246 Tritium Production 42-Mo-99
 Cross Section 16.55 To 1548. %



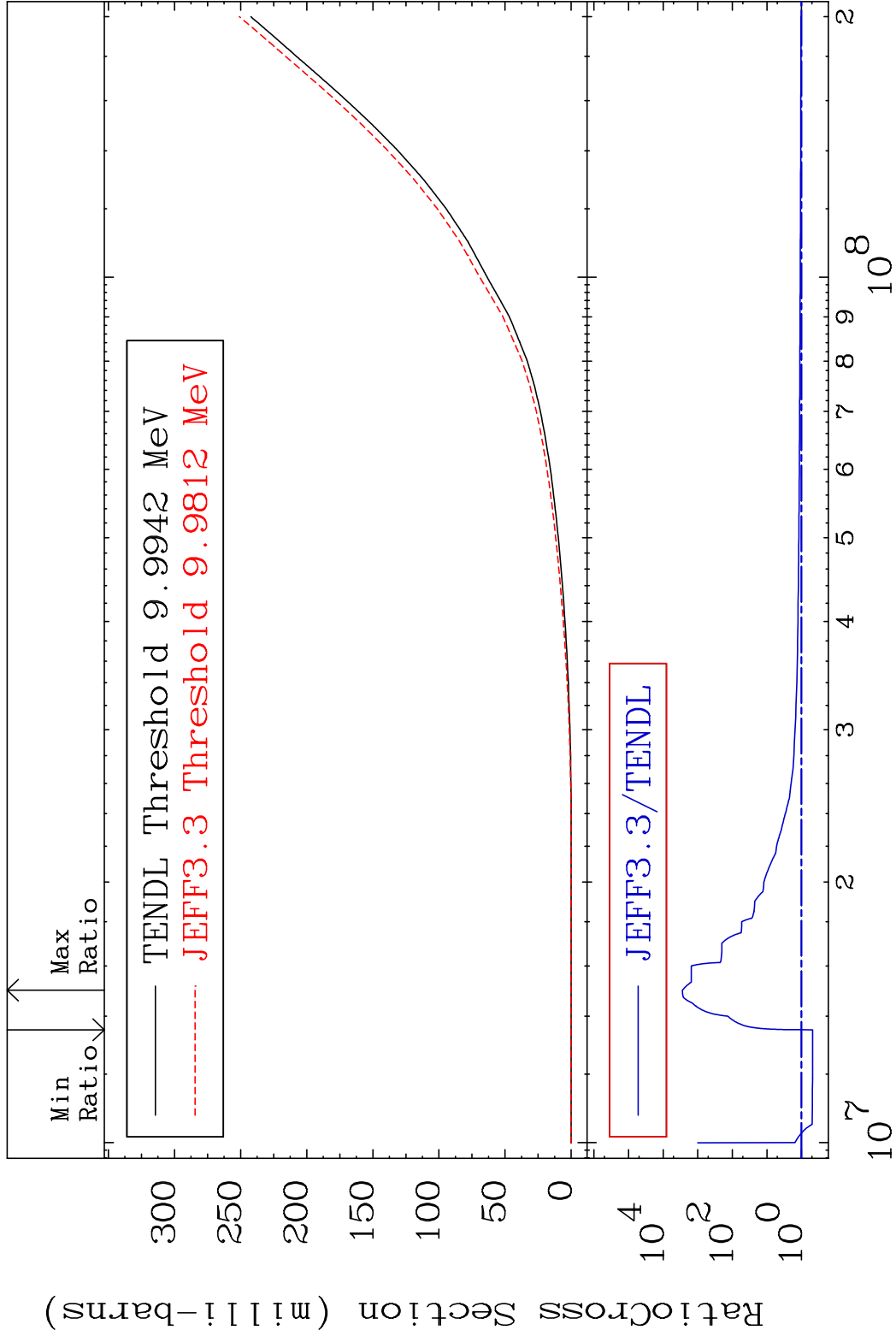
65 Incident Energy (eV) 42-Mo-99

MAT 4246

He-3 Production

42-Mo-99

Cross Section -52.00 To 9999. %



66

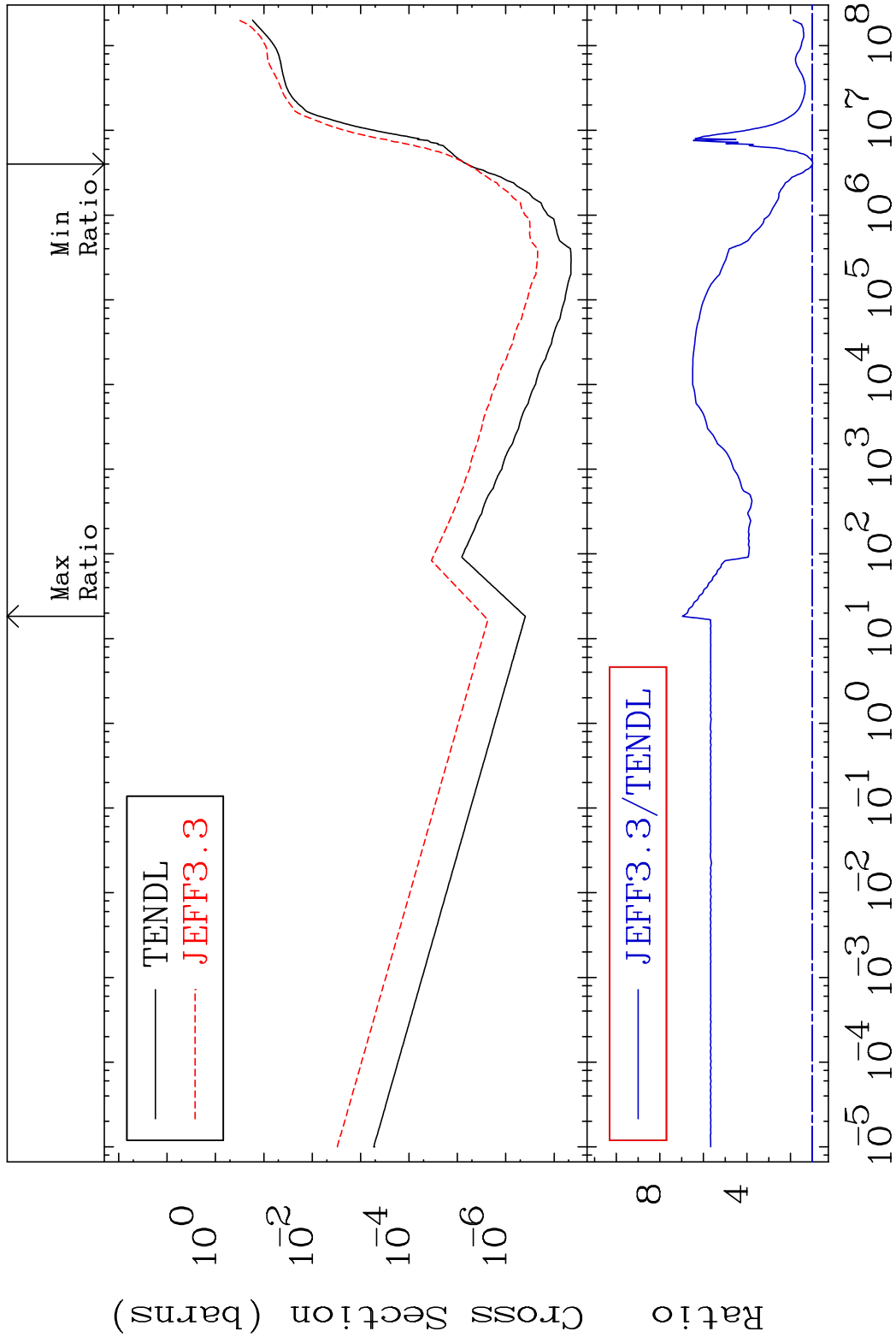
42-Mo-99

MAT 4246

He-4 Production

42-Mo-99

Cross Section -1.105 To 596.9 %

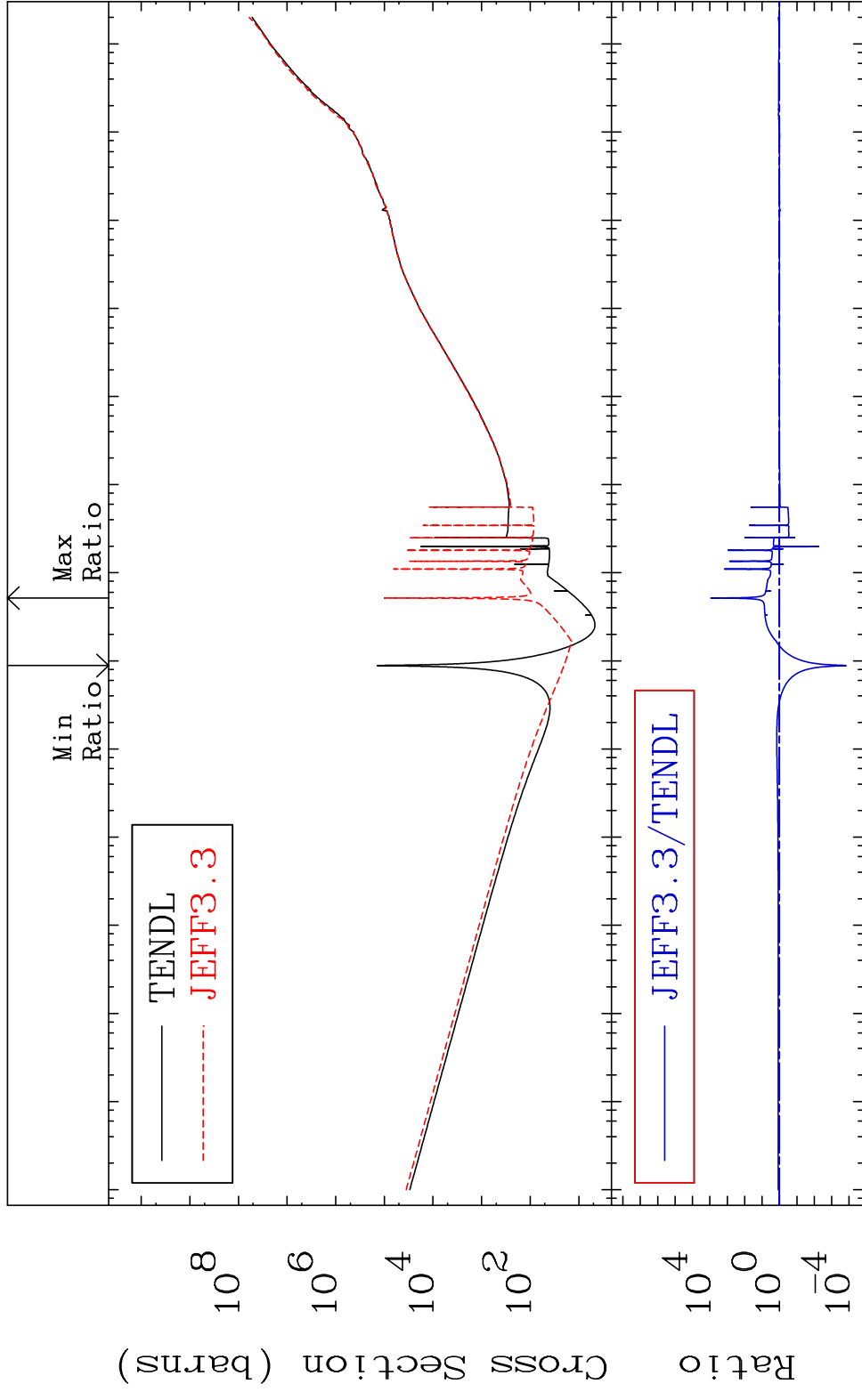


67

Incident Energy (eV)

42-Mo-99

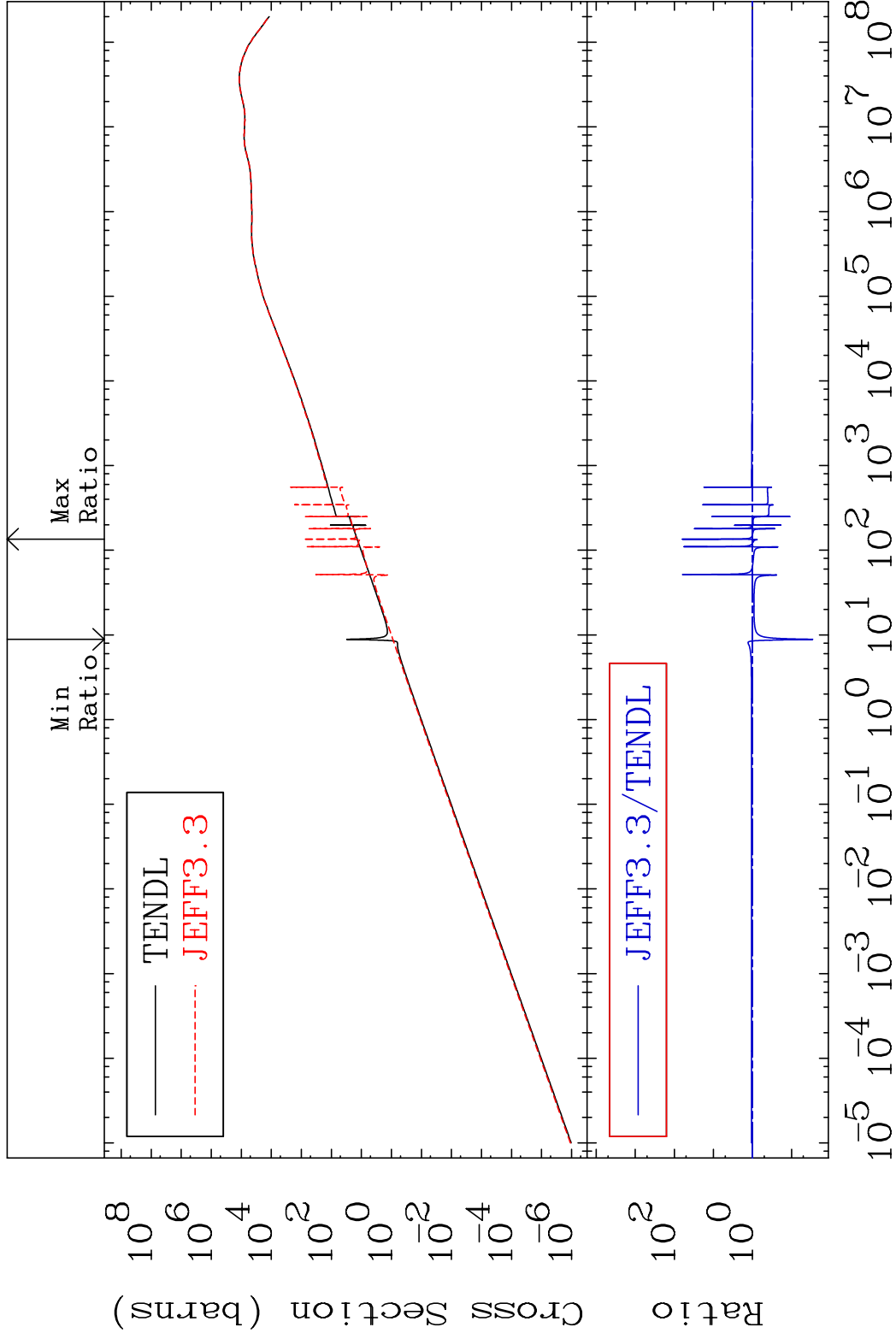
MAT 4246 Kerma total (eV-barns) 42-Mo-99
 Cross Section -99.99 To 9999. %



MAT 4246

Kerma elastic
Cross Section

42-Mo-99
-97.10 To 6138. %

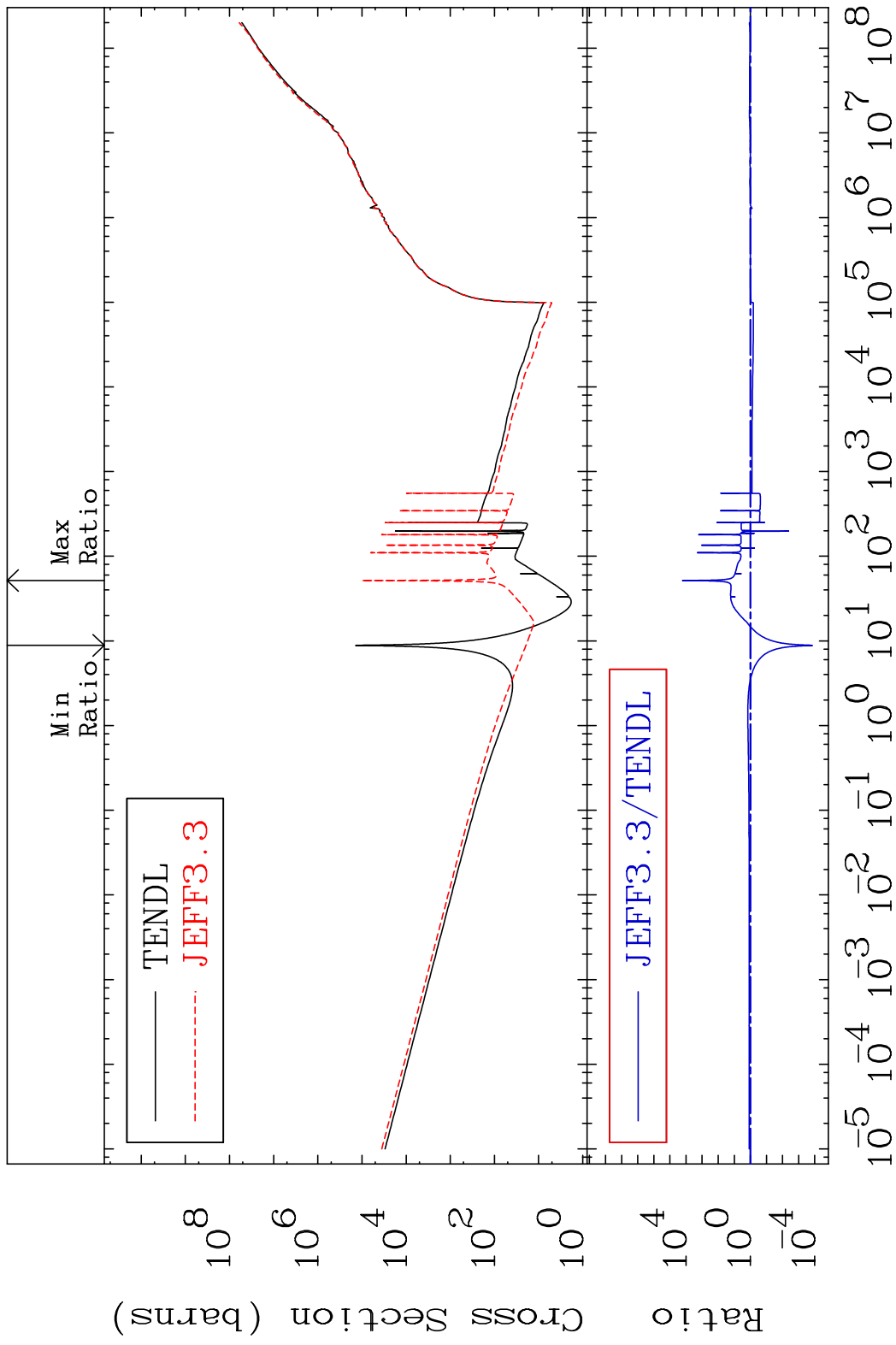


69

Incident Energy (eV)

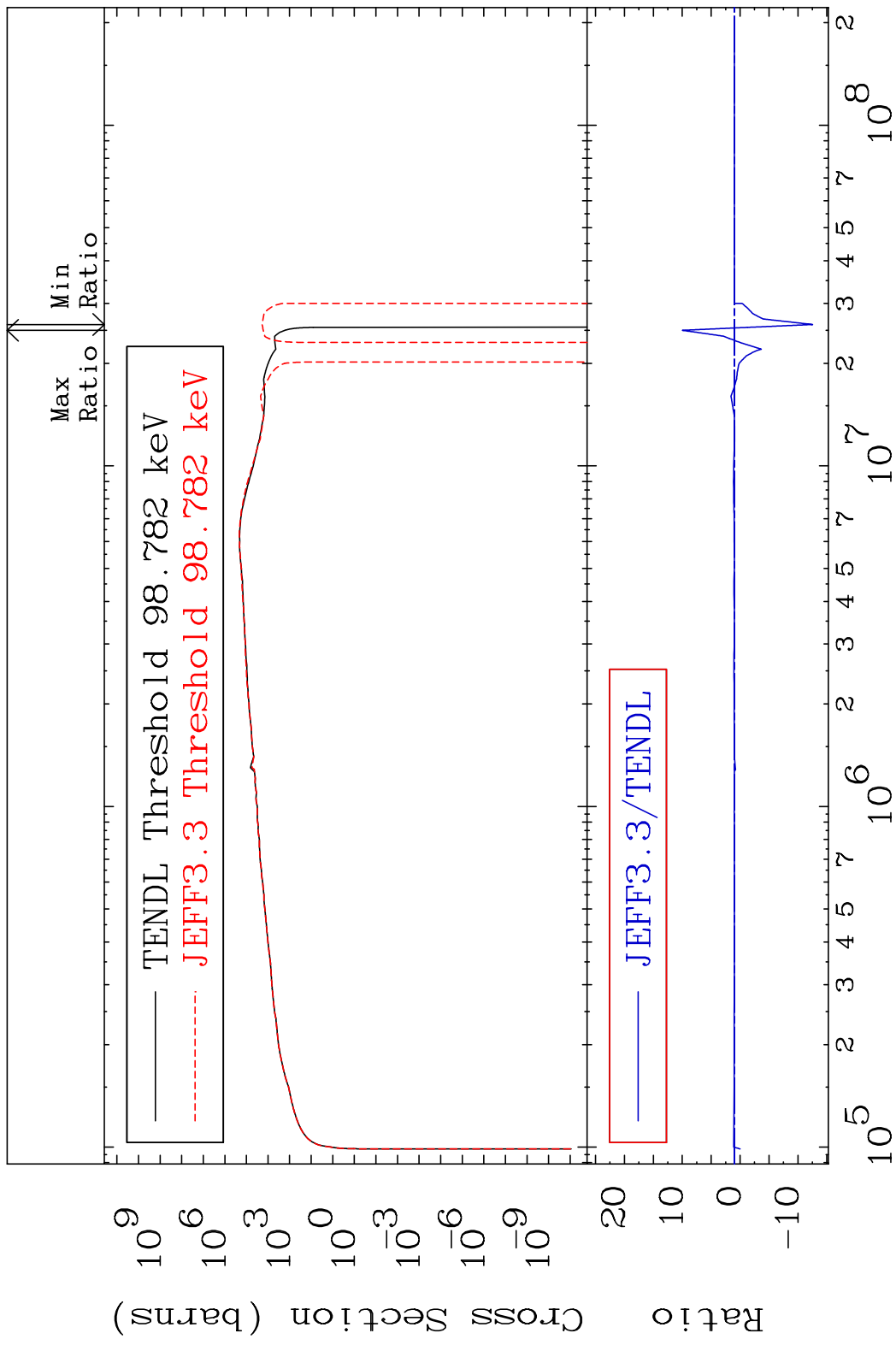
42-Mo-99

MAT 4246 Kerma non-elastic (all but mt2) 42-Mo-99
 Cross Section -99.99 To 9999. %



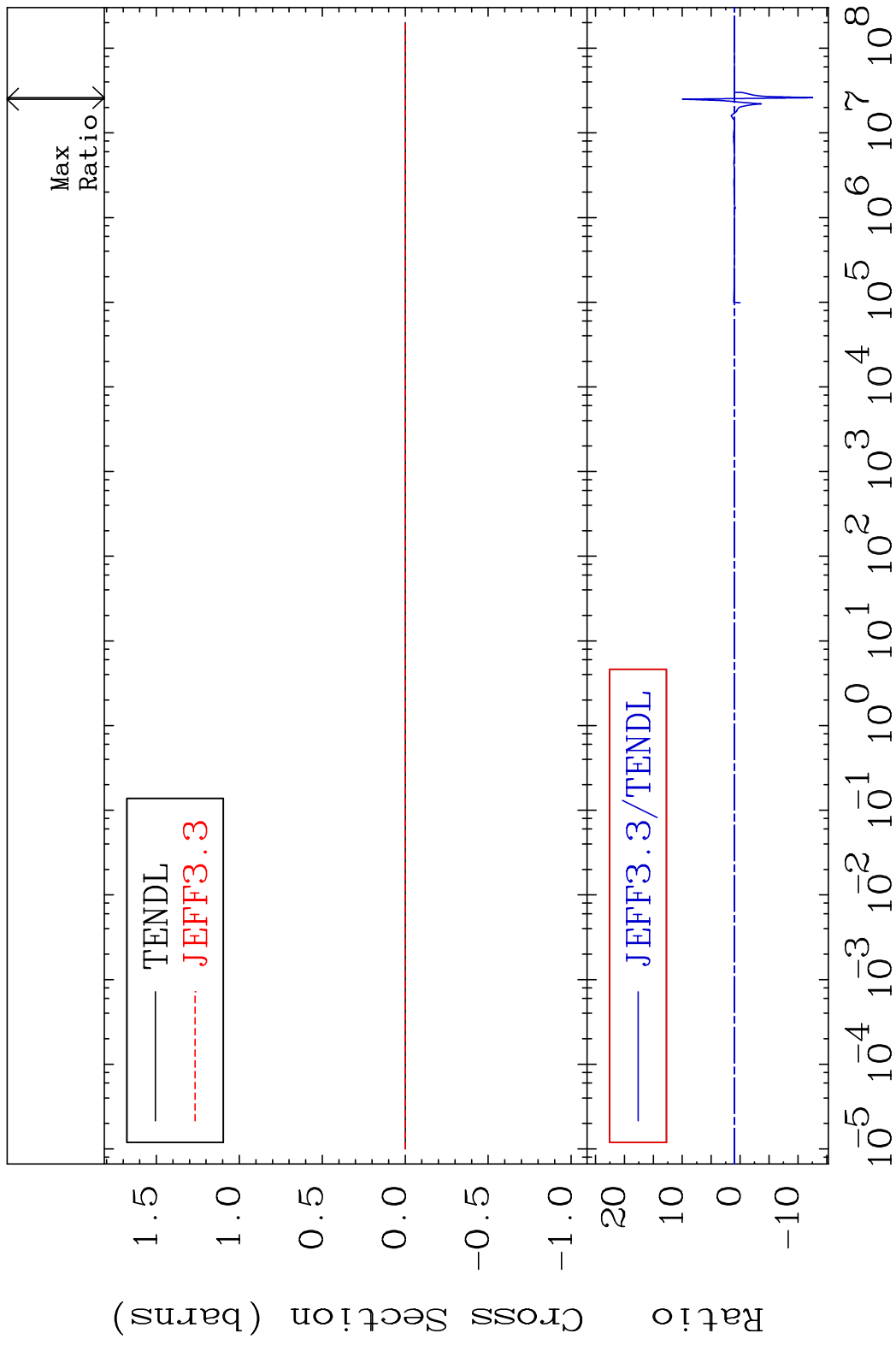
70 Incident Energy (eV) 42-Mo-99

MAT 4246 Kerma inelastic (mt51-91) 42-Mo-99
 Cross Section -1353. To 898.1 %



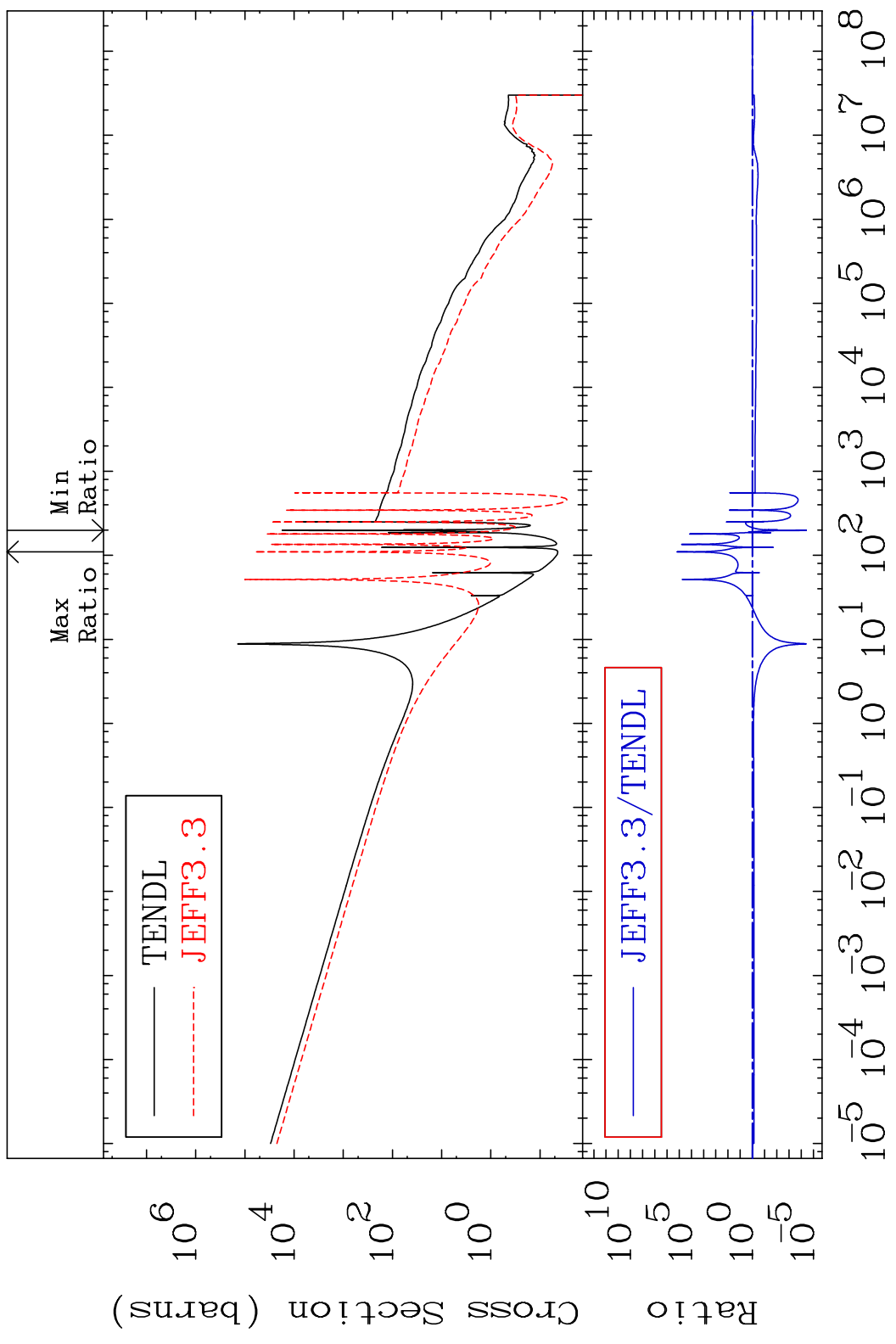
71 Incident Energy (eV) 42-Mo-99

MAT 4246 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-99
 Cross Section -1353. To 898.1 %



MAT 4246

Kerma capture (mt102) 42-Mo-99
Cross Section -100.0 To 9999. %



73

Incident Energy (eV)

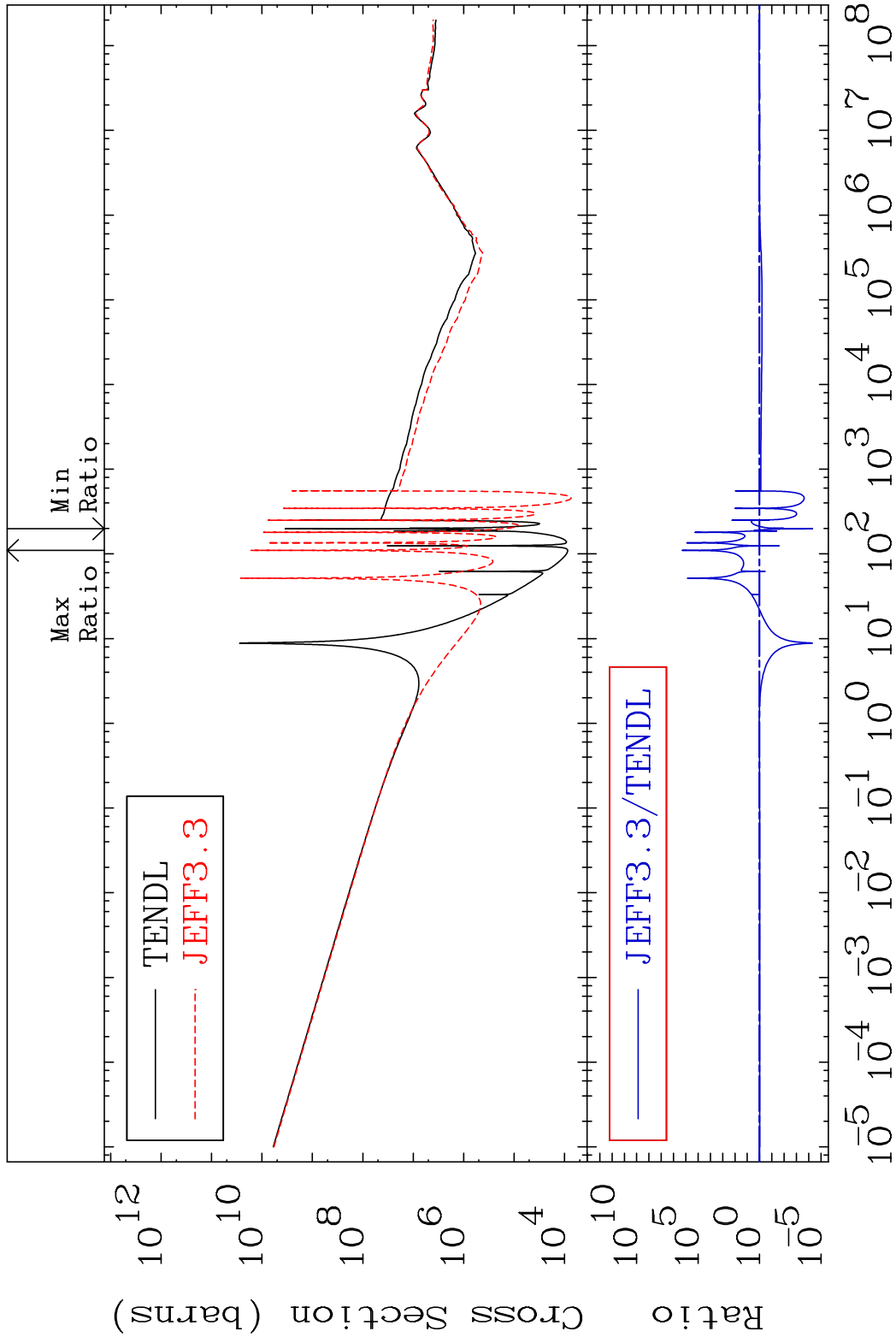
42-Mo-99

MAT 4246

Total photon (eV-barns)

42-Mo-99

Cross Section -100.0 To 9999. %

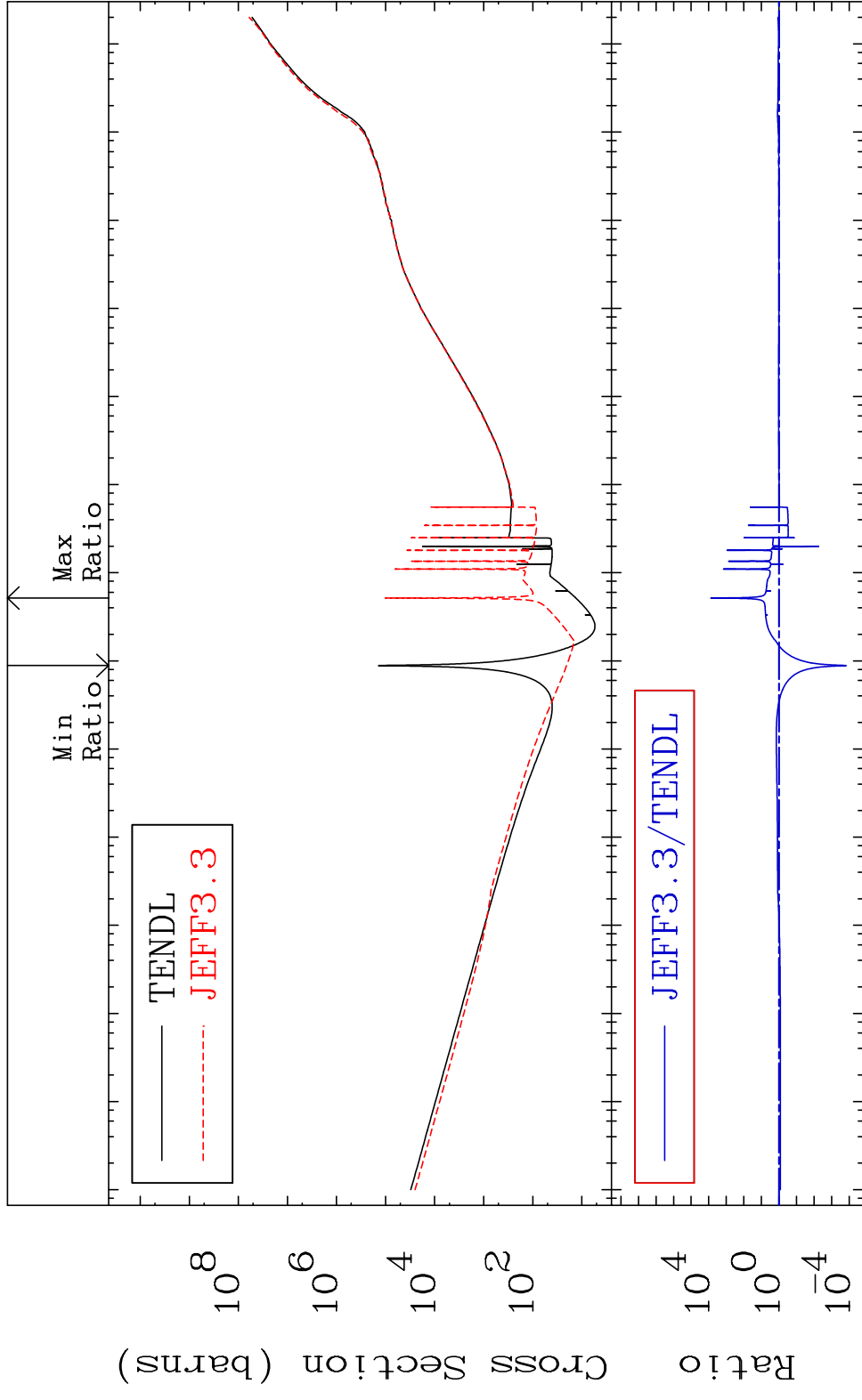


74

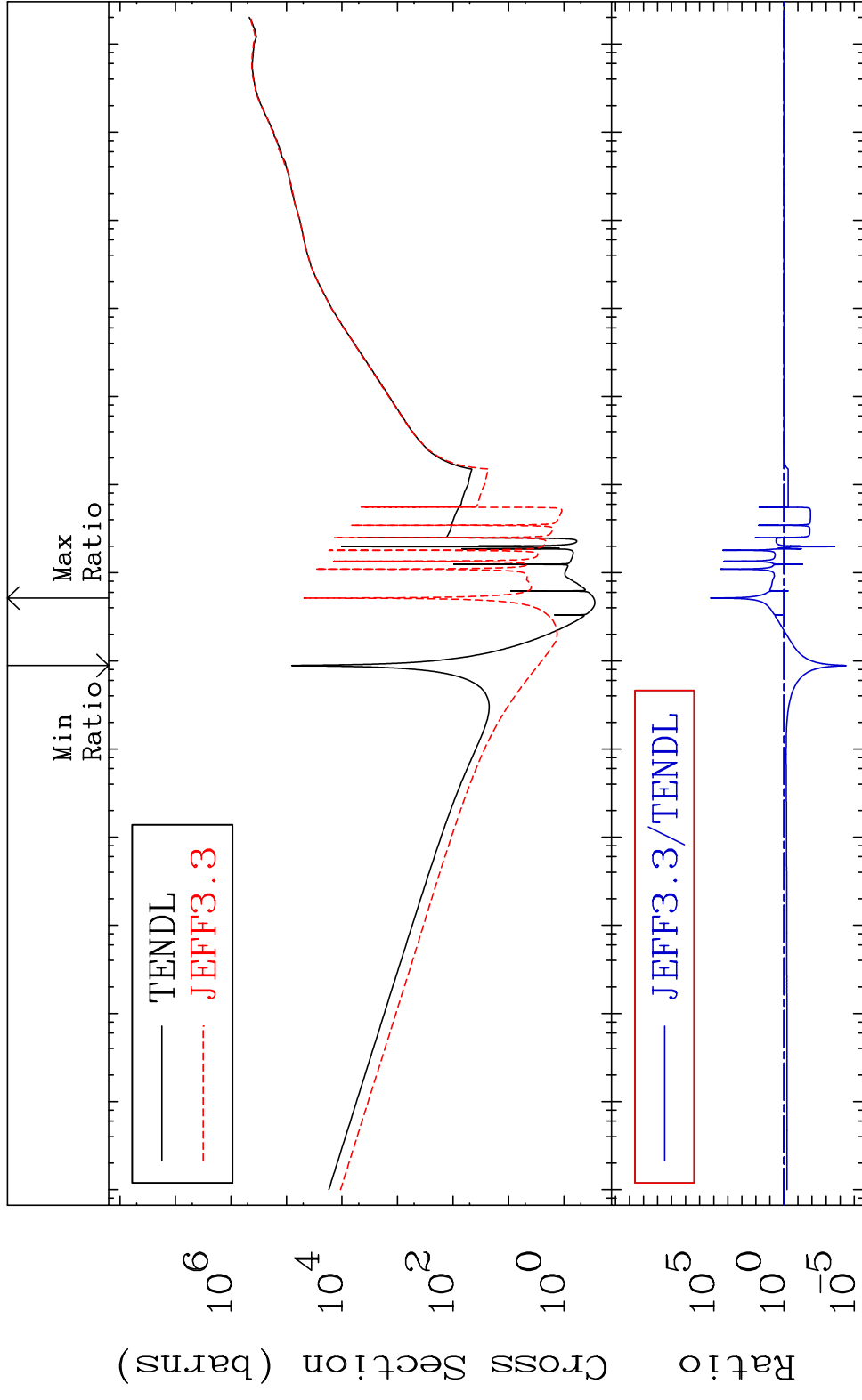
Incident Energy (eV)

42-Mo-99

MAT 4246 Total kinematic kerma (high limit) 42-Mo-99
 Cross Section -99.99 To 9999. %



MAT 4246 Dpa total (eV-barns) 42-Mo-99
 Cross Section -100.0 To 9999. %



76 Incident Energy (eV) 42-Mo-99

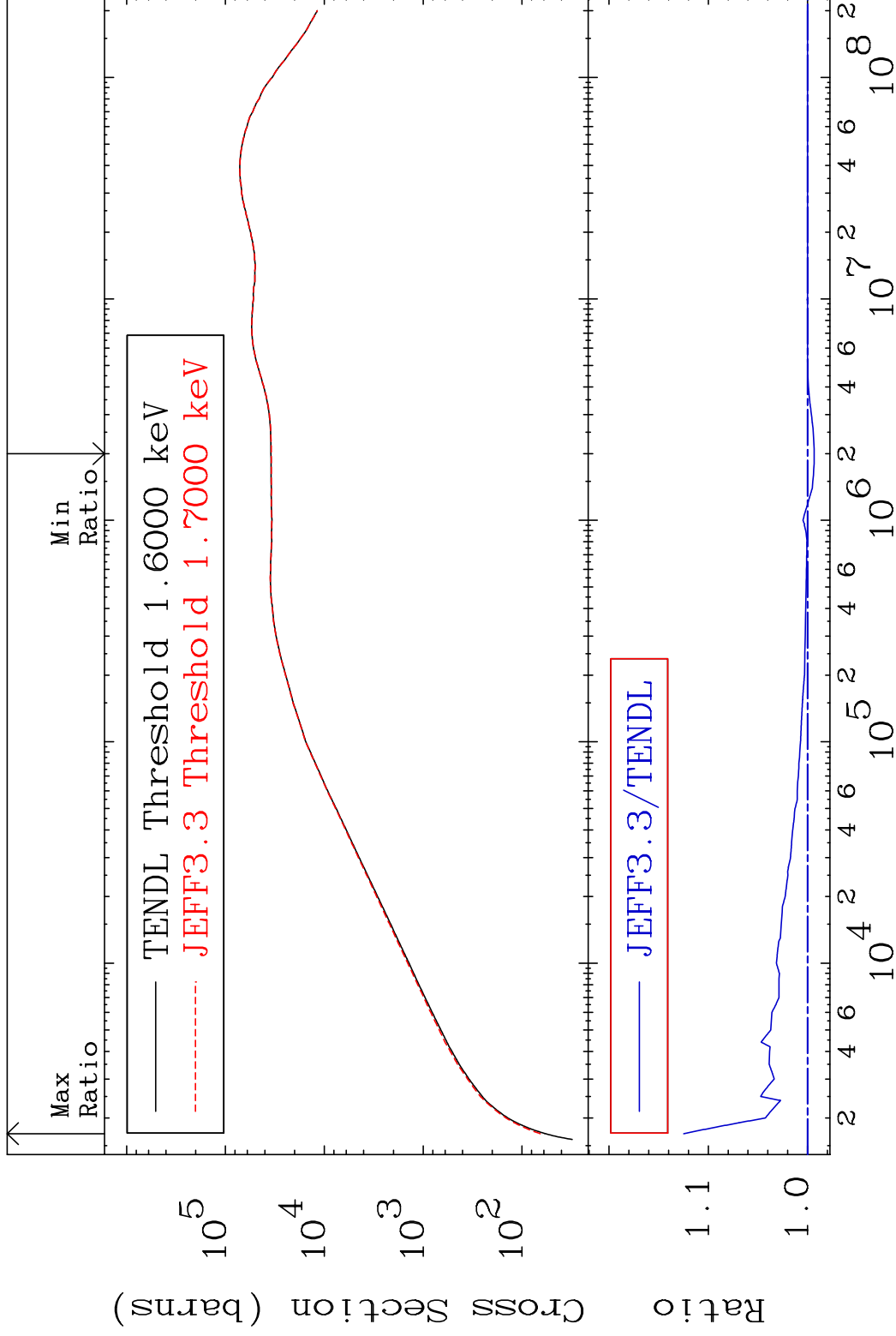
MAT 4246

Dpa elastic (mt2)

42-Mo-99

Cross Section

-0.661 To 12.48 %

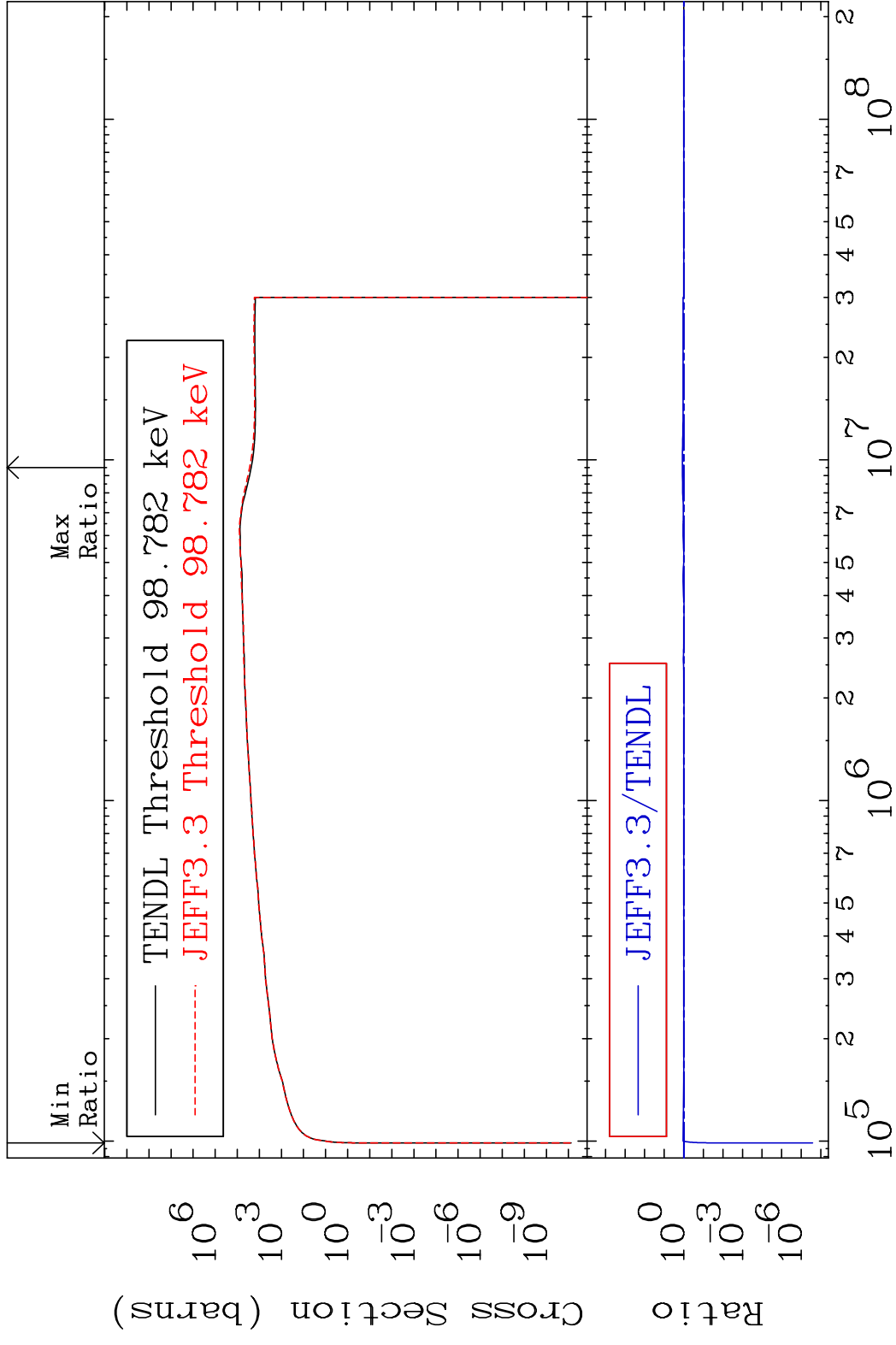


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Incident Energy (eV)

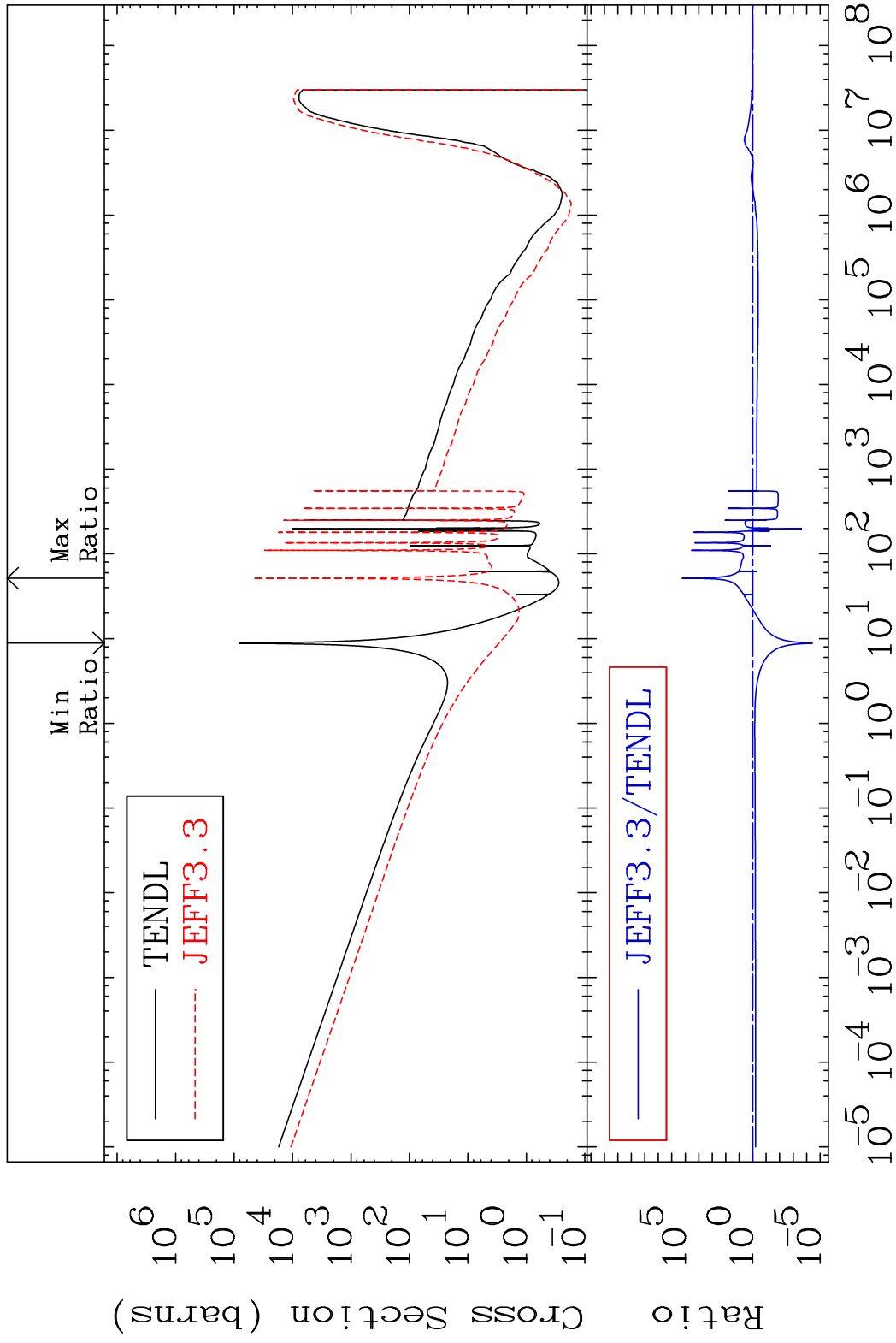
42-Mo-99

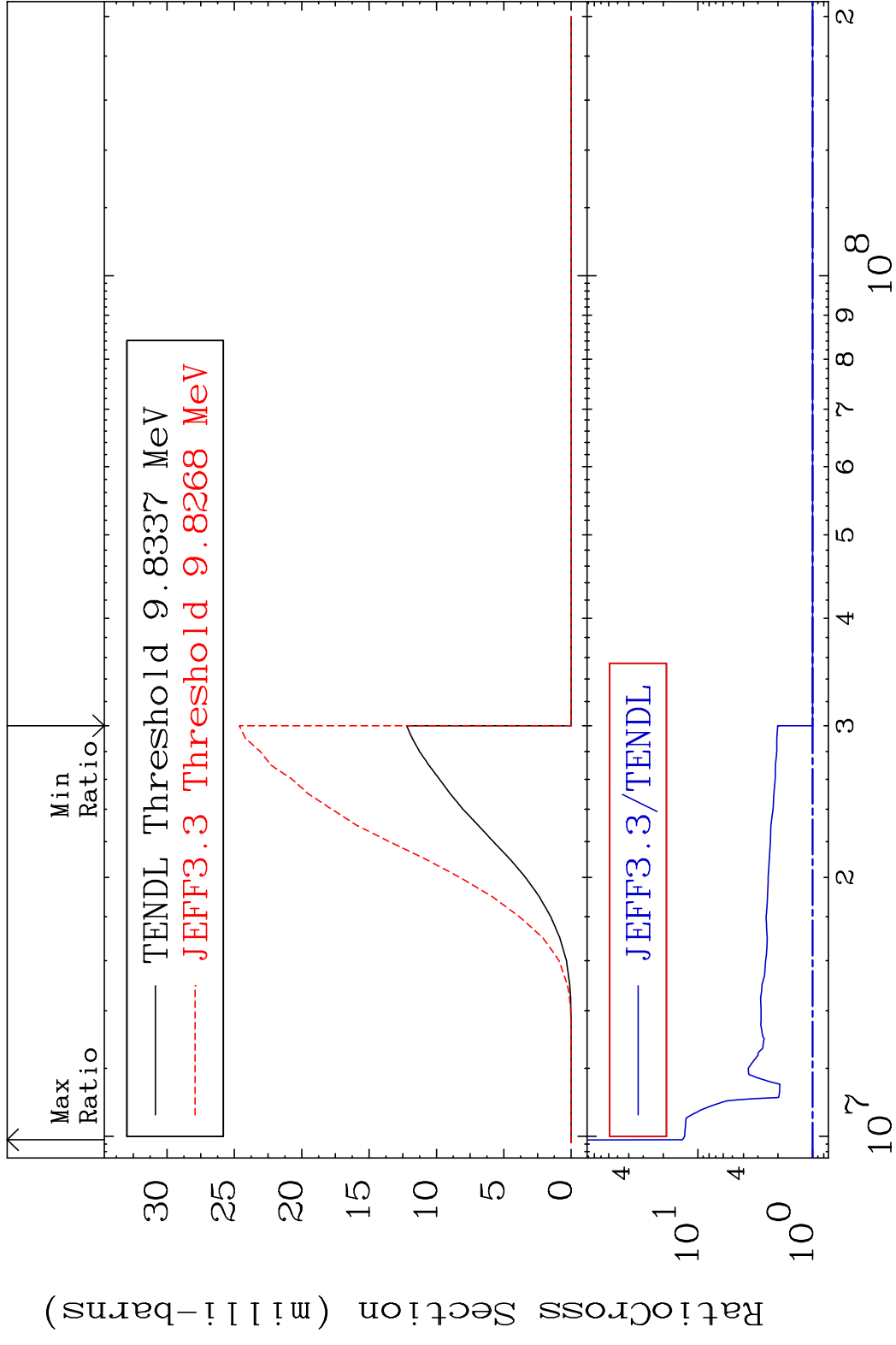
MAT 4246 Dpa inelastic (mt51-91) 42-Mo-99
 Cross Section -100.0 To 18.42 %

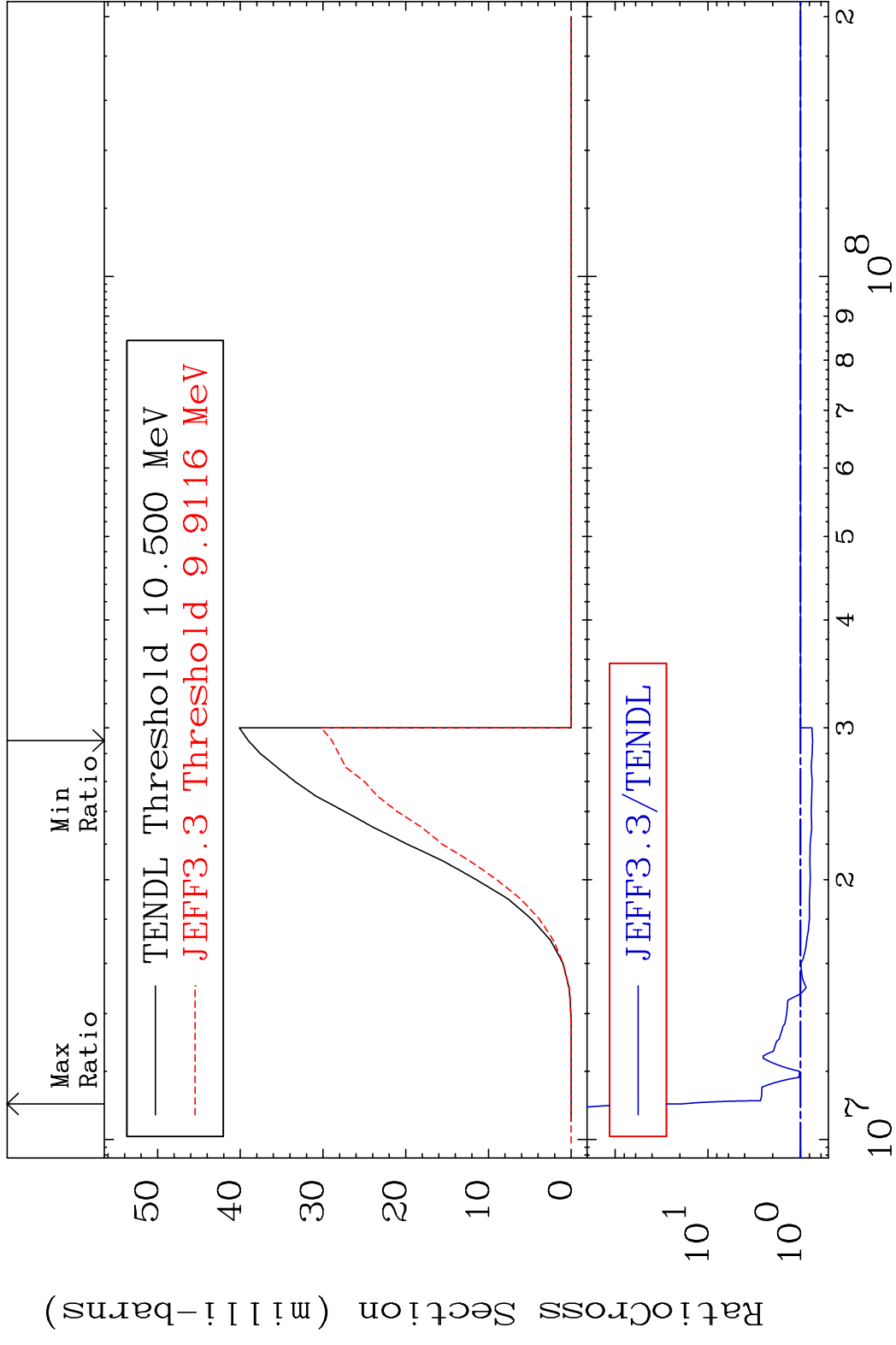


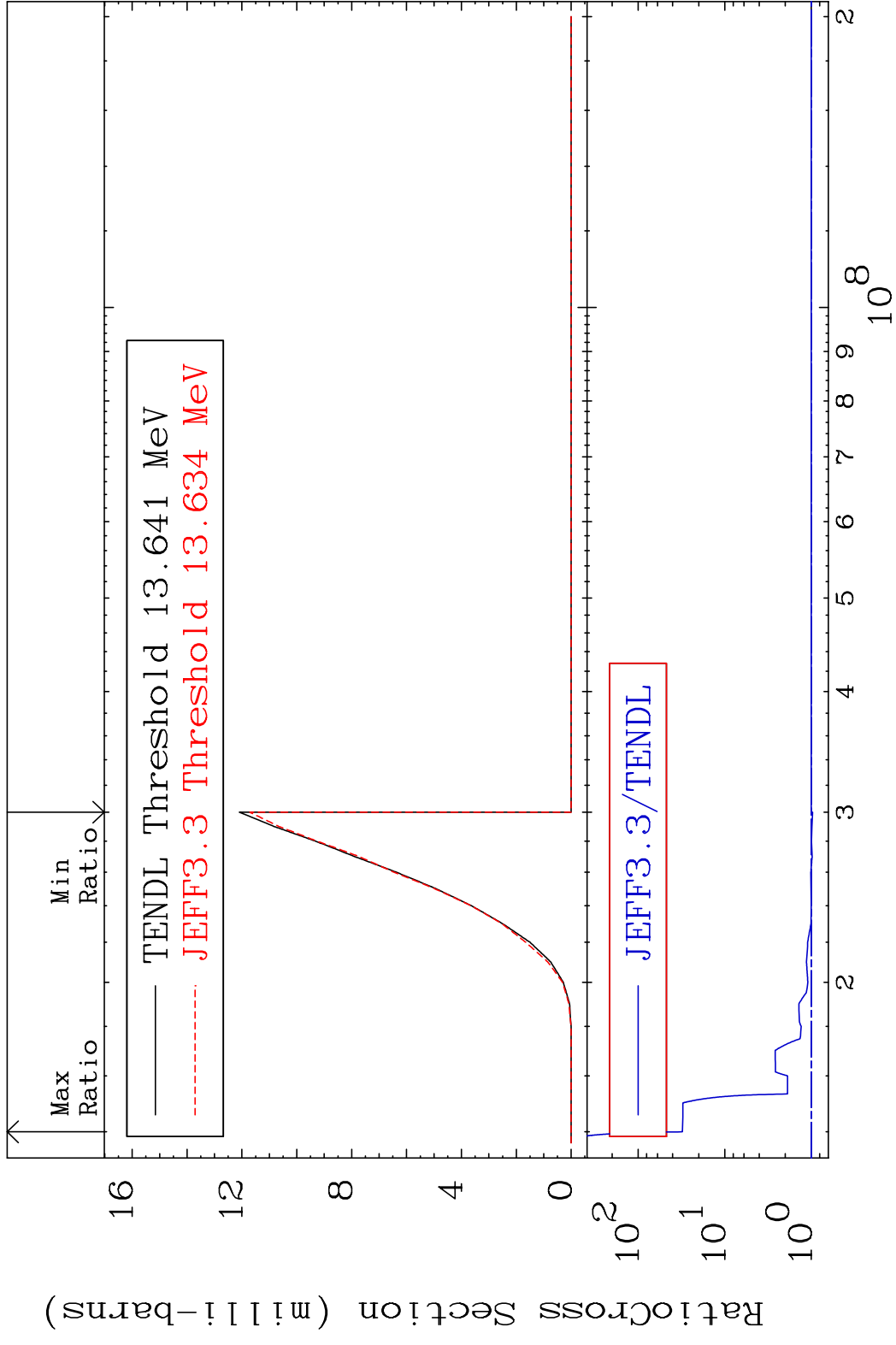
78 Incident Energy (eV) 42-Mo-99

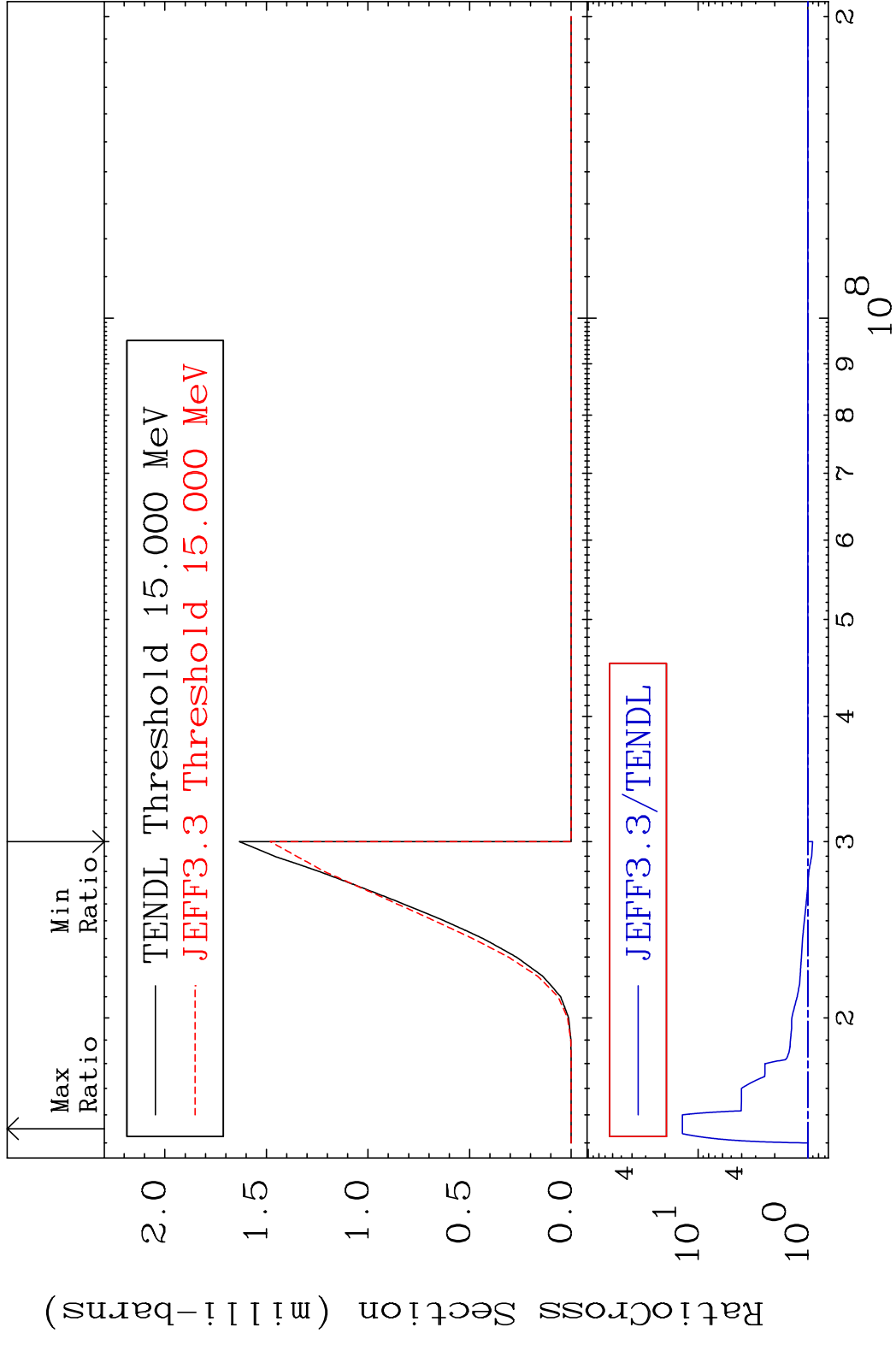
MAT 4246 Dpa disappearance (mt102 -120) 42-Mo-99
 Cross Section -100.0 To 9999. %

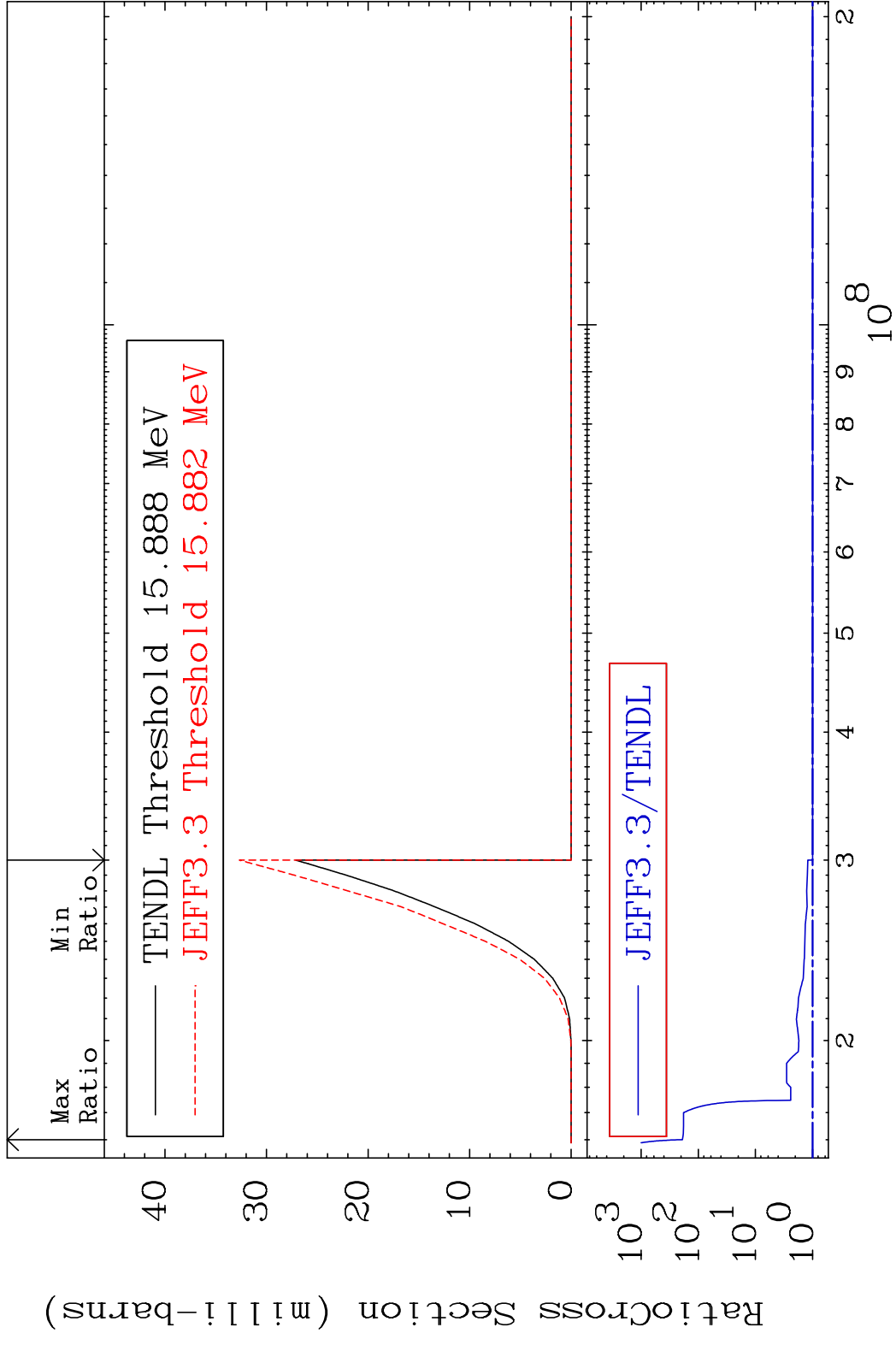


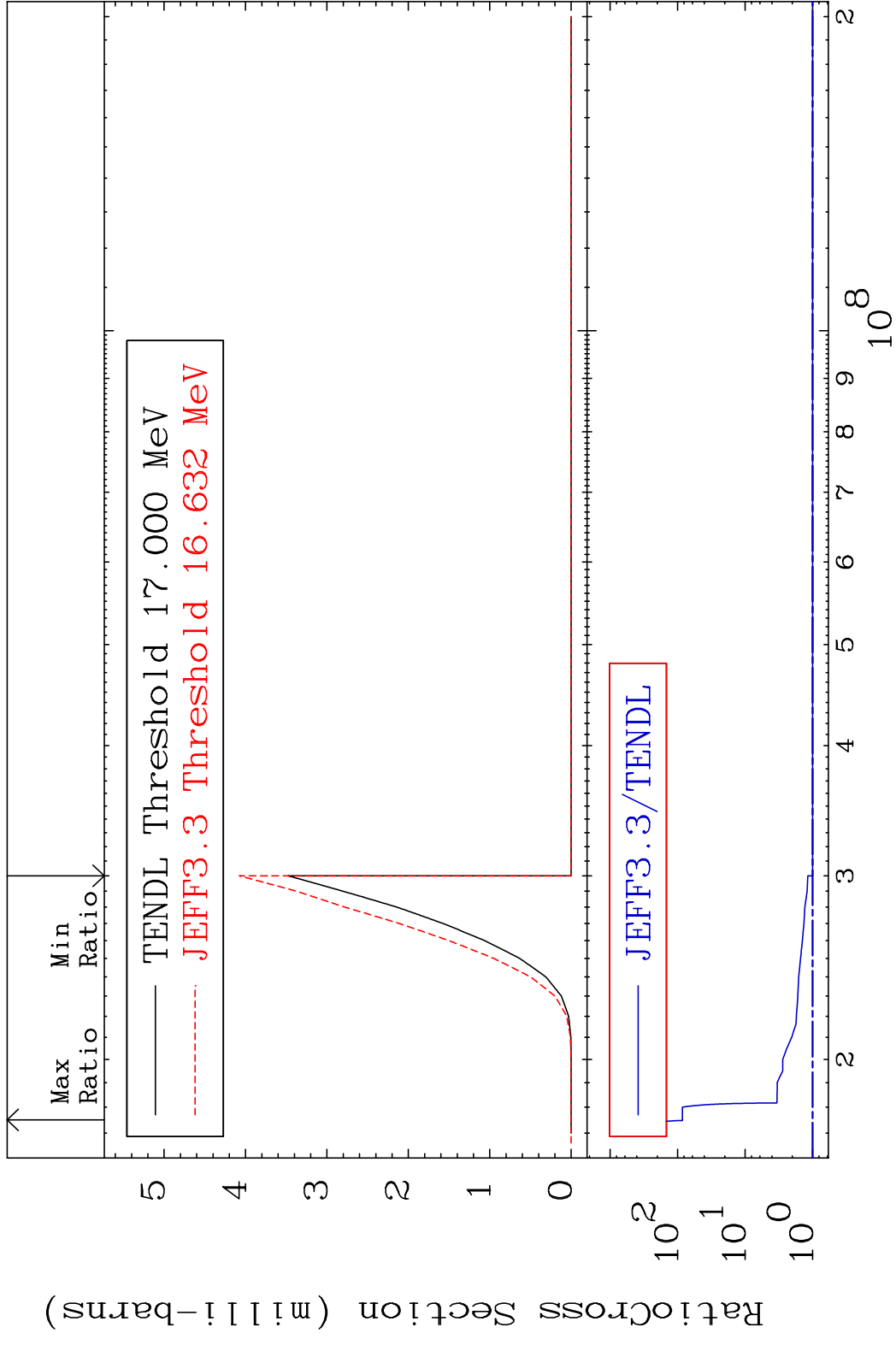




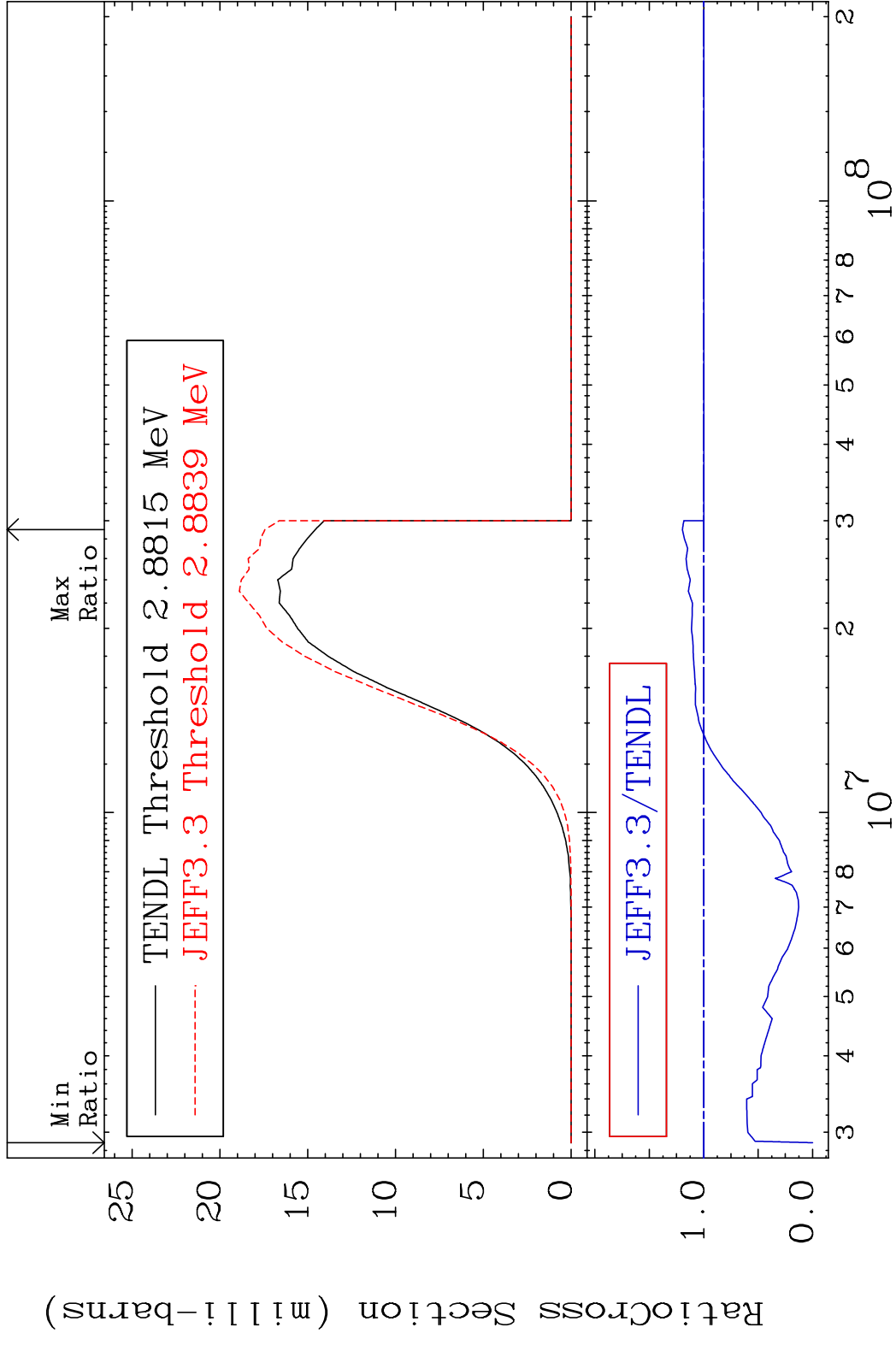


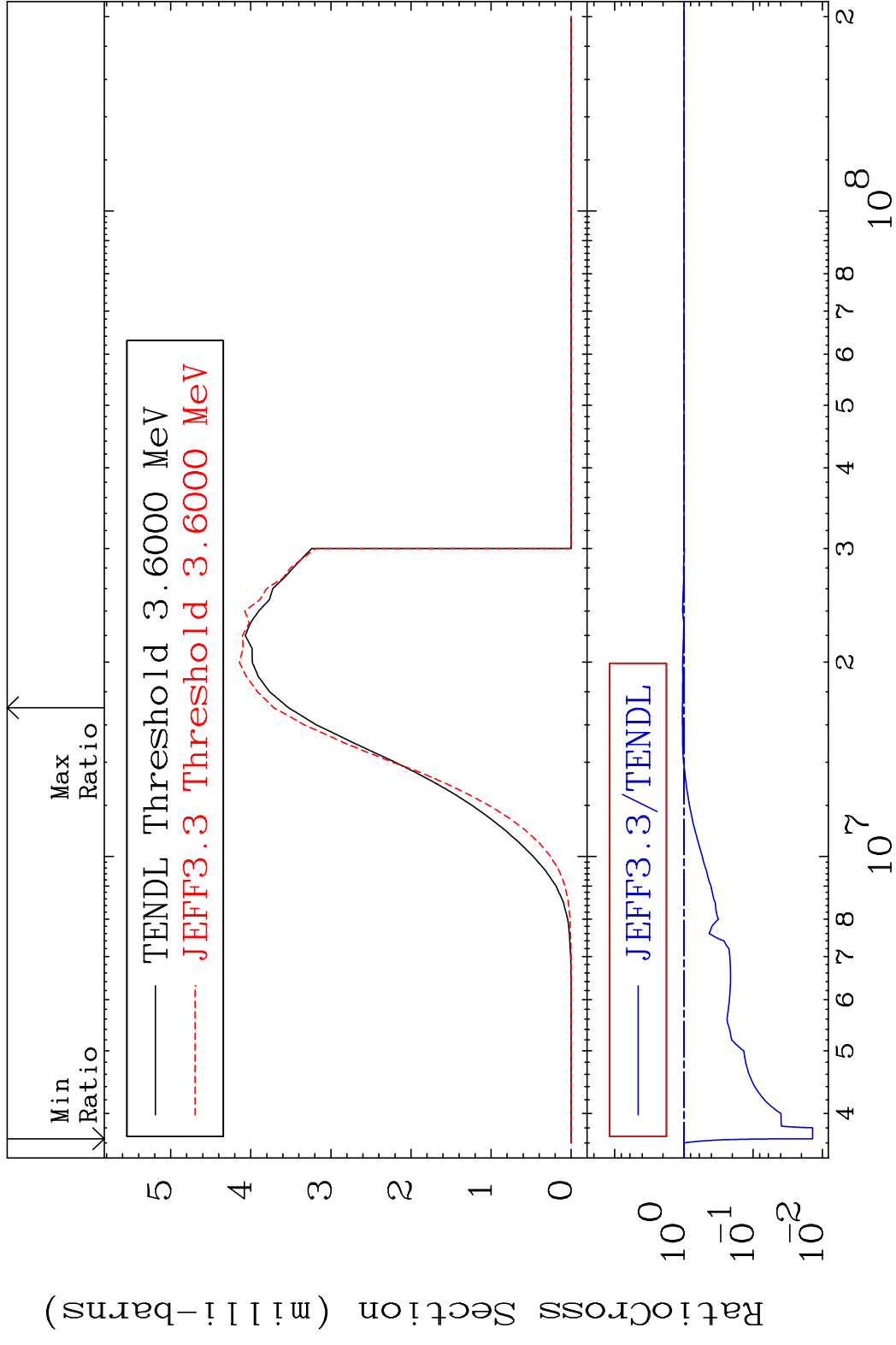




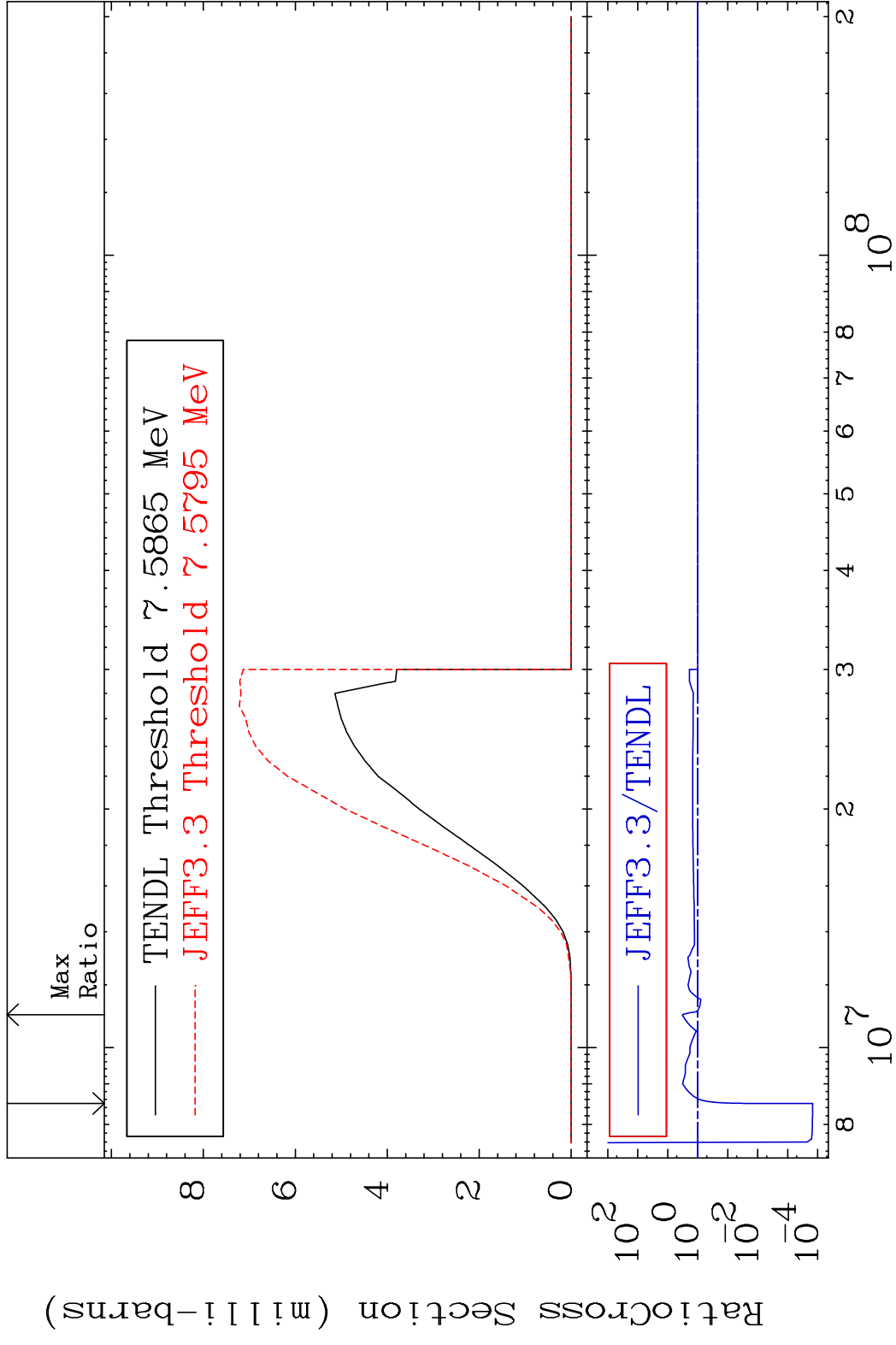


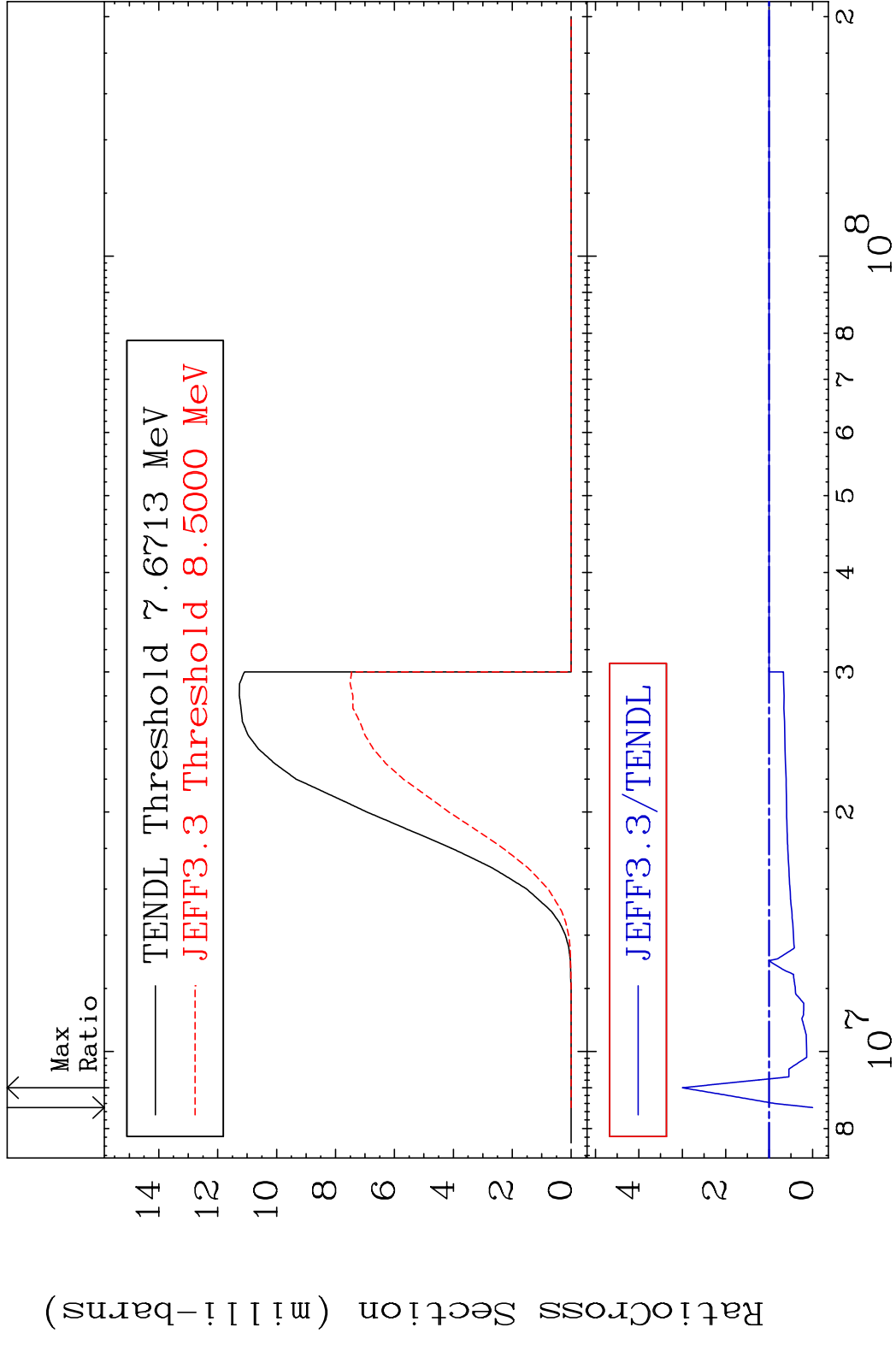
MAT 4246 (n, p) : 41-Nb-99g 42-Mo-99
 Radionuclide Production Cross Section 180.01 dth 19.63 %



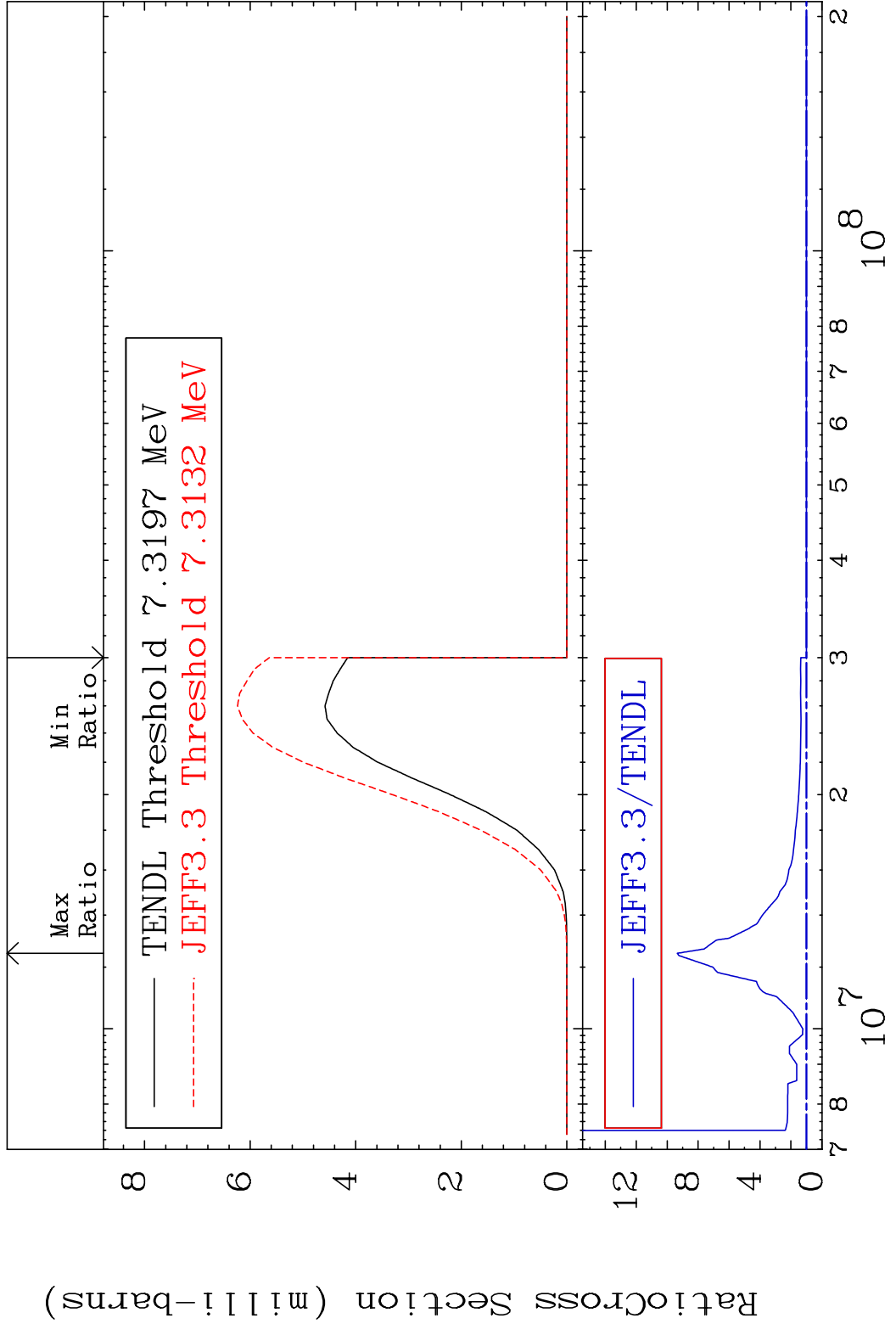


MAT 4246 (n, d): 41-Nb-98g 42-Mo-99
 Radionuclide Production Cross Section 225.7 %





MAT 4246 (n, t): 41-Nb-97g 42-Mo-99
 Radionuclide Production Cross Section 835.2 %



90 Incident Energy (eV) 42-Mo-99

