

Program Complot  
(Version 2021-1)

by

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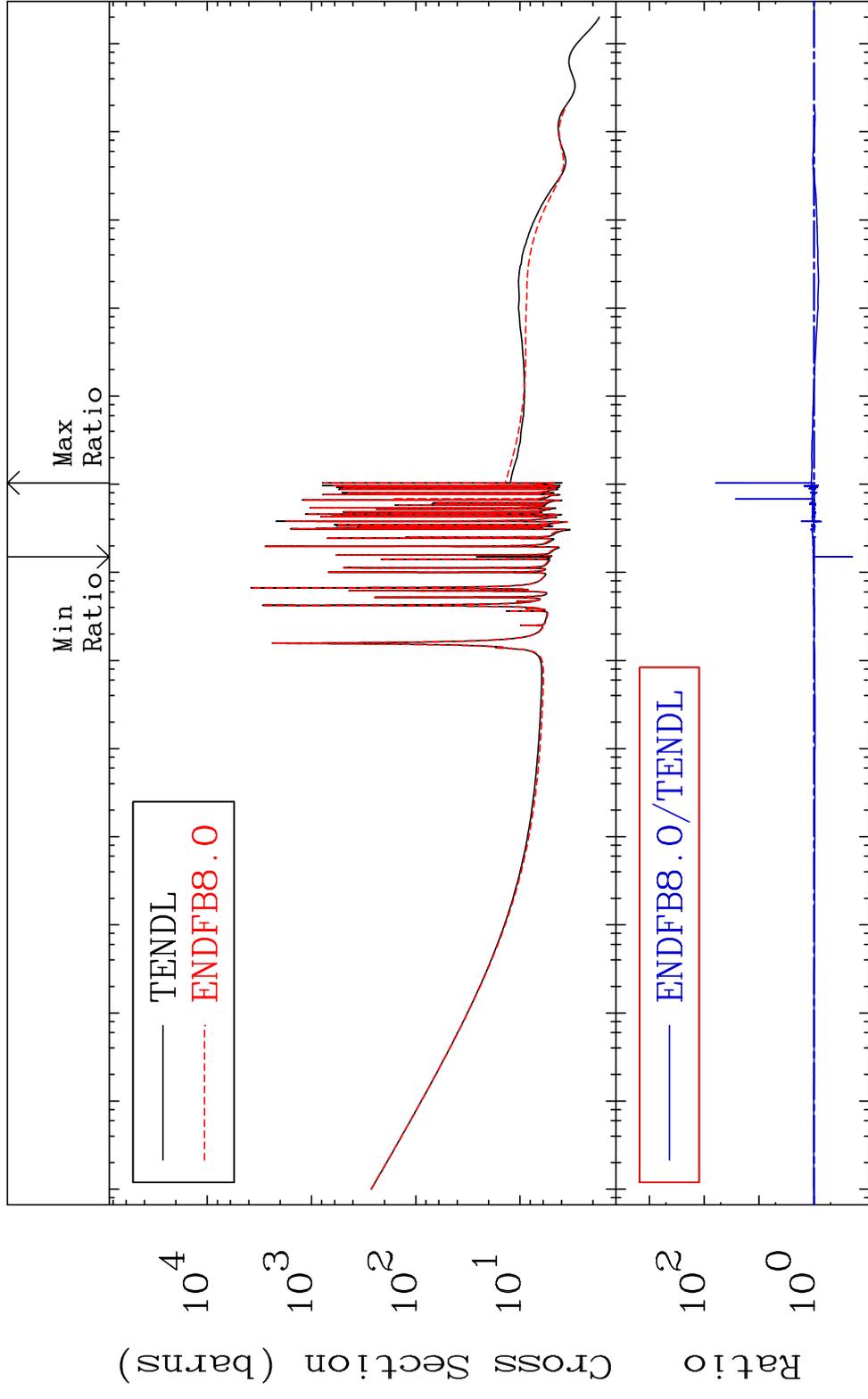
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4440

Total Cross Section -80.18 To 6020. %

44-Ru-101



44-Ru-101

Incident Energy (eV)

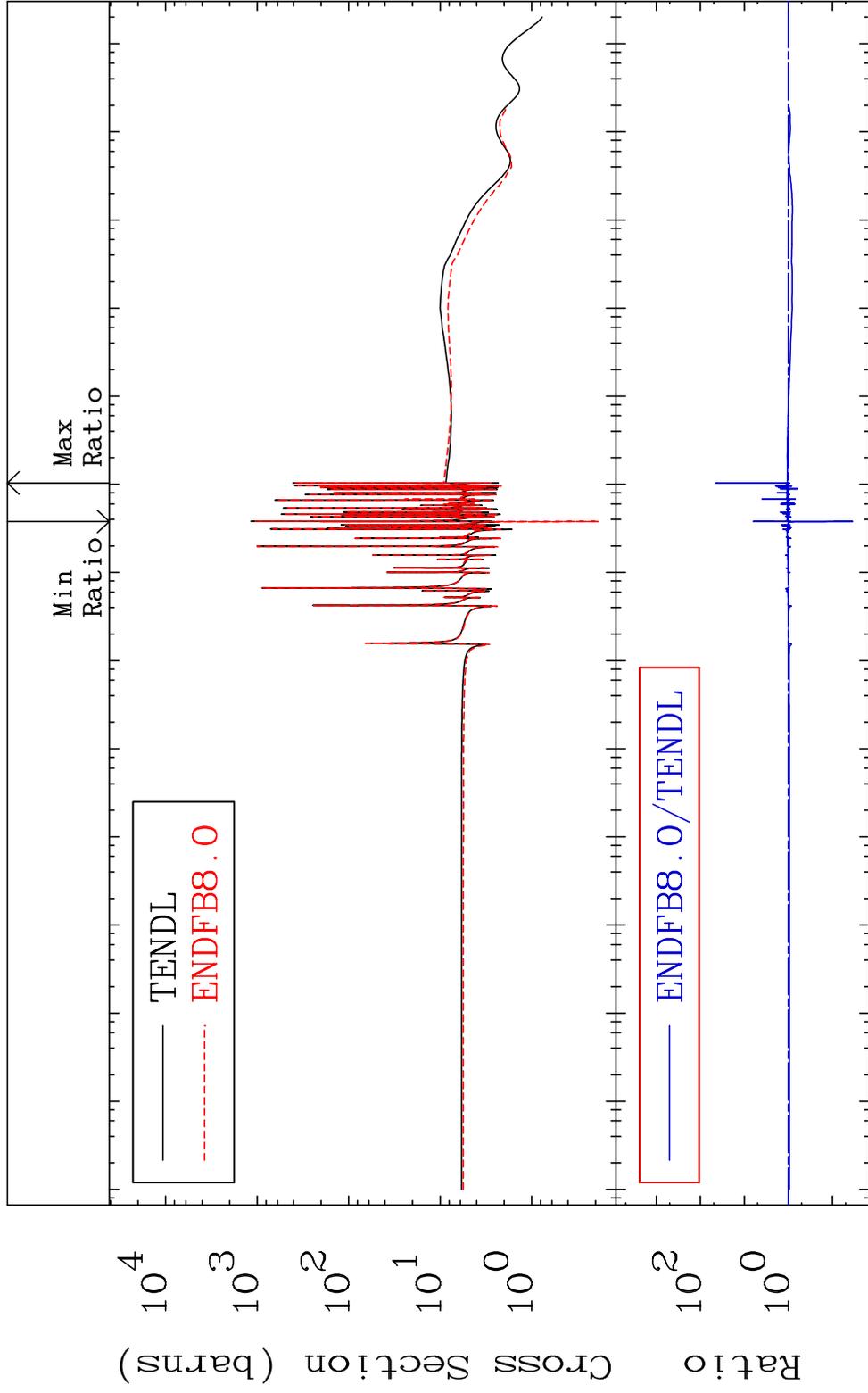
1

MAT 4440

Elastic

44-Ru-101

Cross Section -96.50 To 4350. %

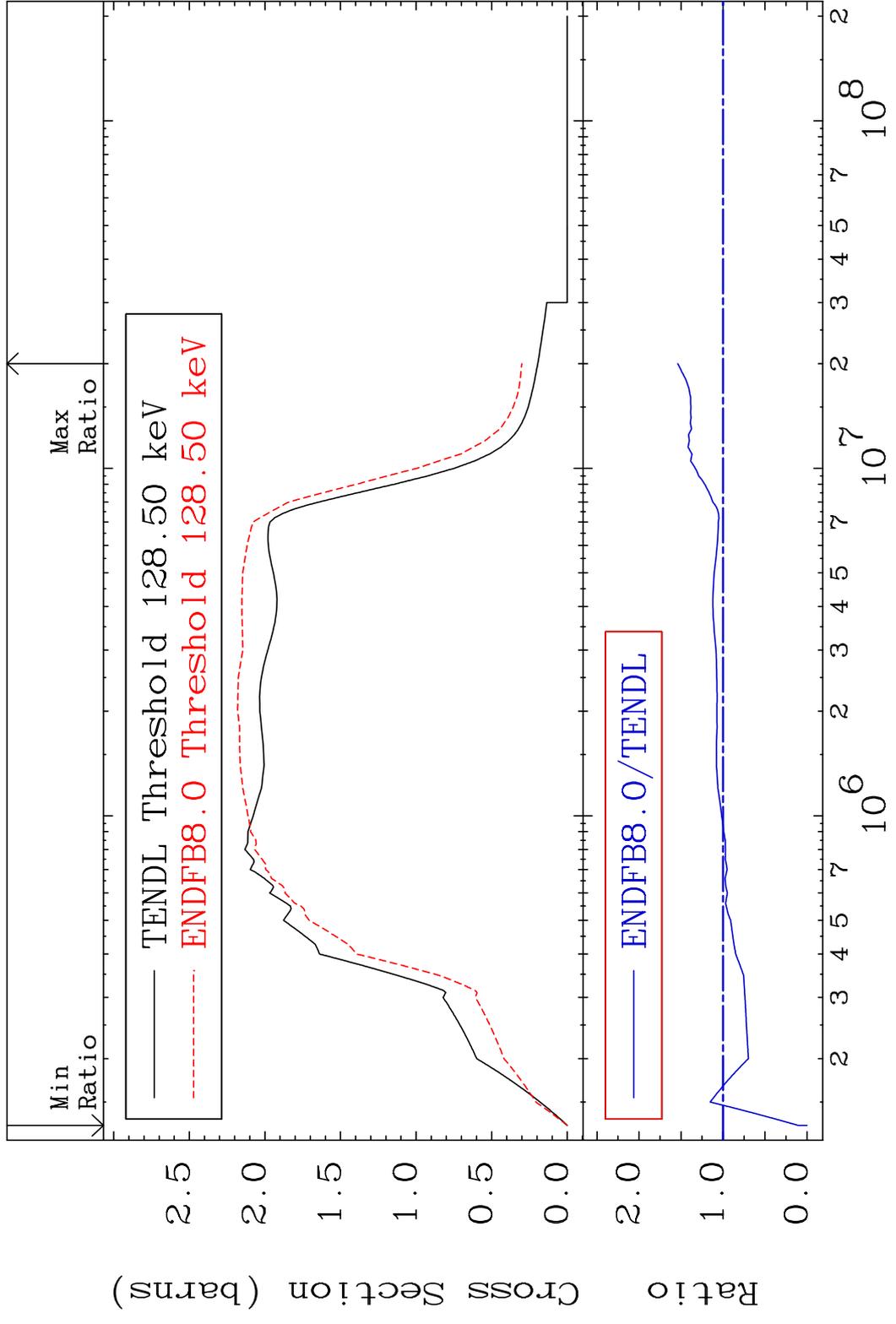


2

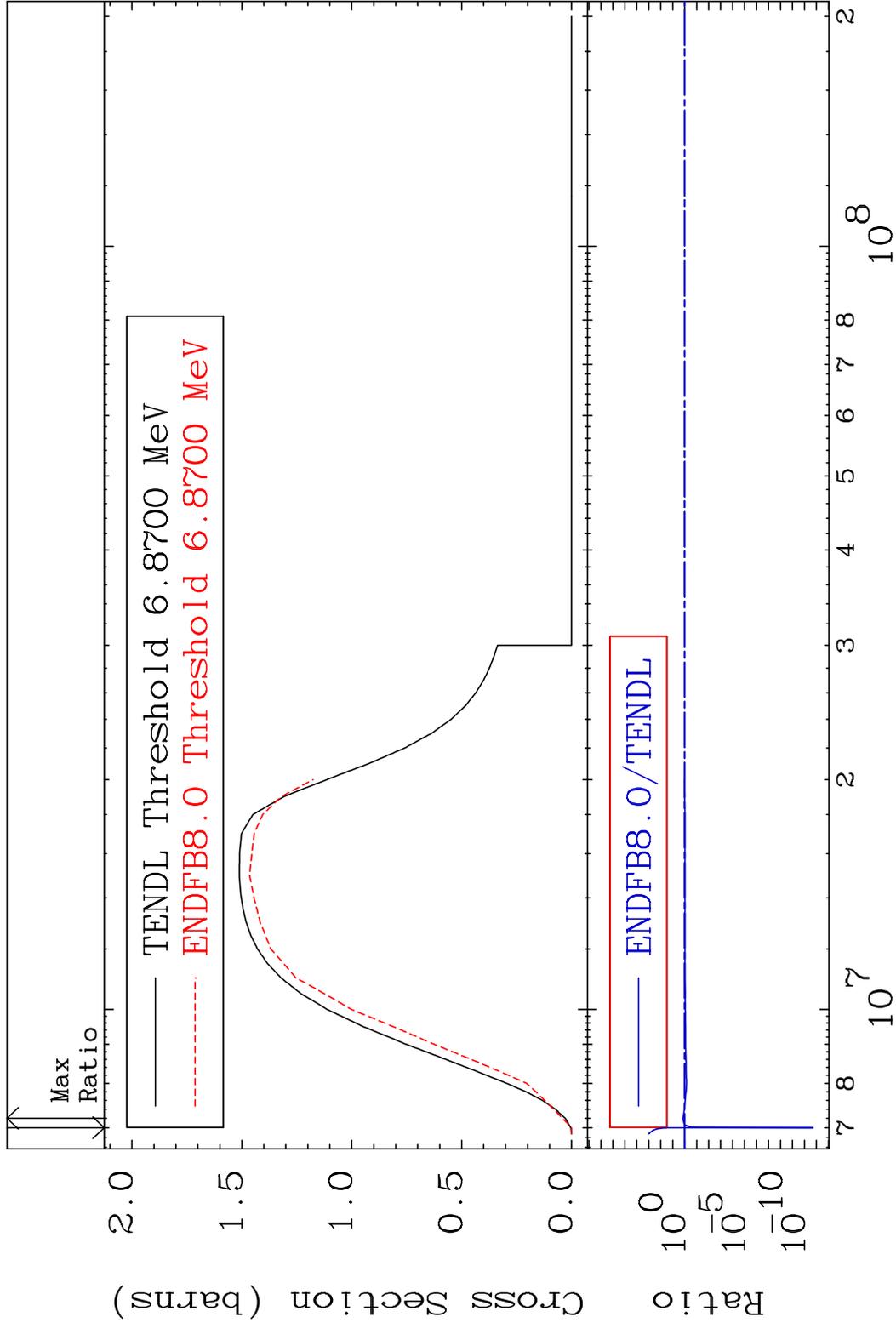
Incident Energy (eV)

44-Ru-101

MAT 4440 Inelastic 44-Ru-101  
 Cross Section -100.0 To 53.97 %



MAT 4440 (n,2n) 44-Ru-101  
 Cross Section -100.0 To 43.34 %



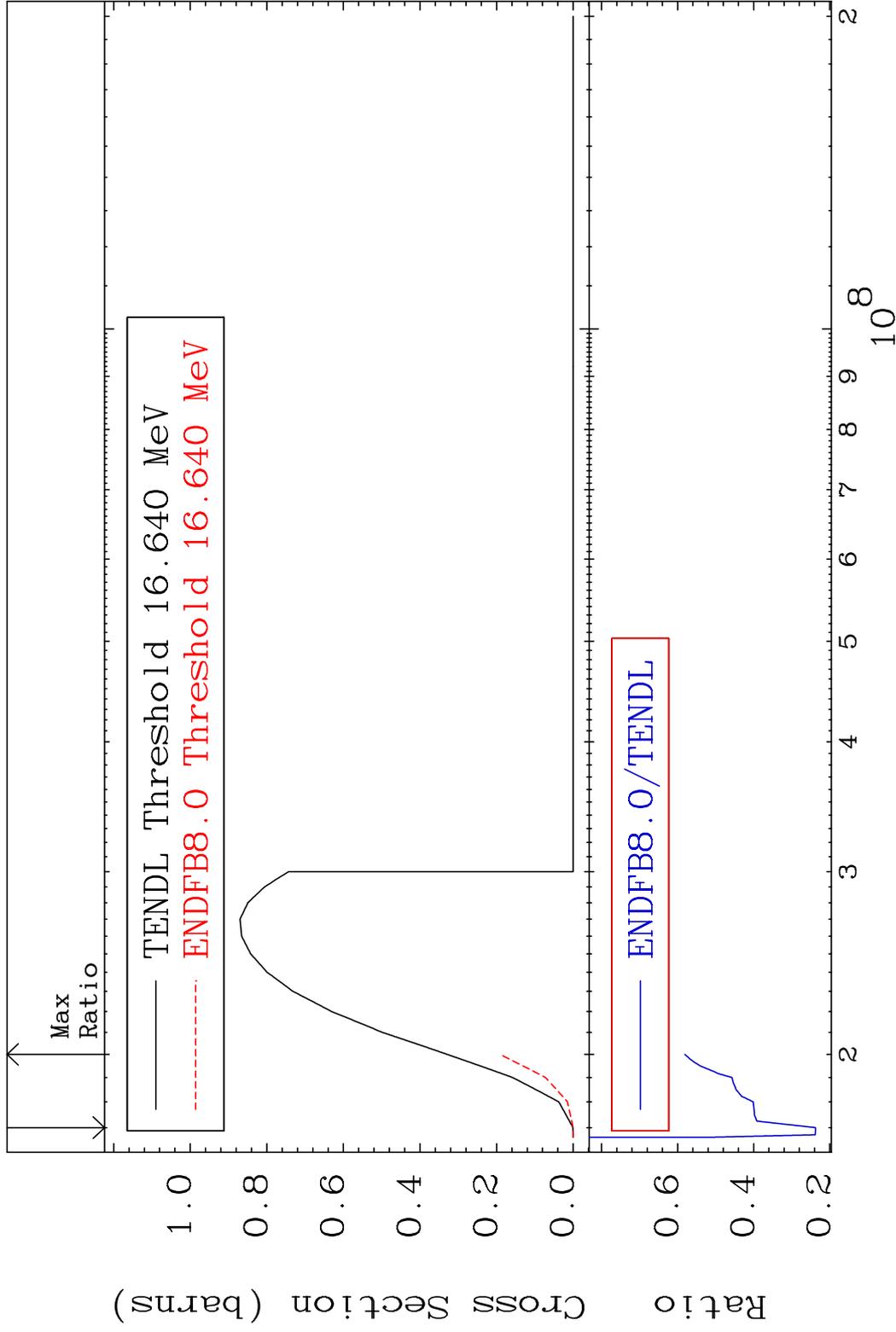
4 Incident Energy (eV) 44-Ru-101

MAT 4440

(n,3n)

44-Ru-101

Cross Section -76.24 To -41.88%

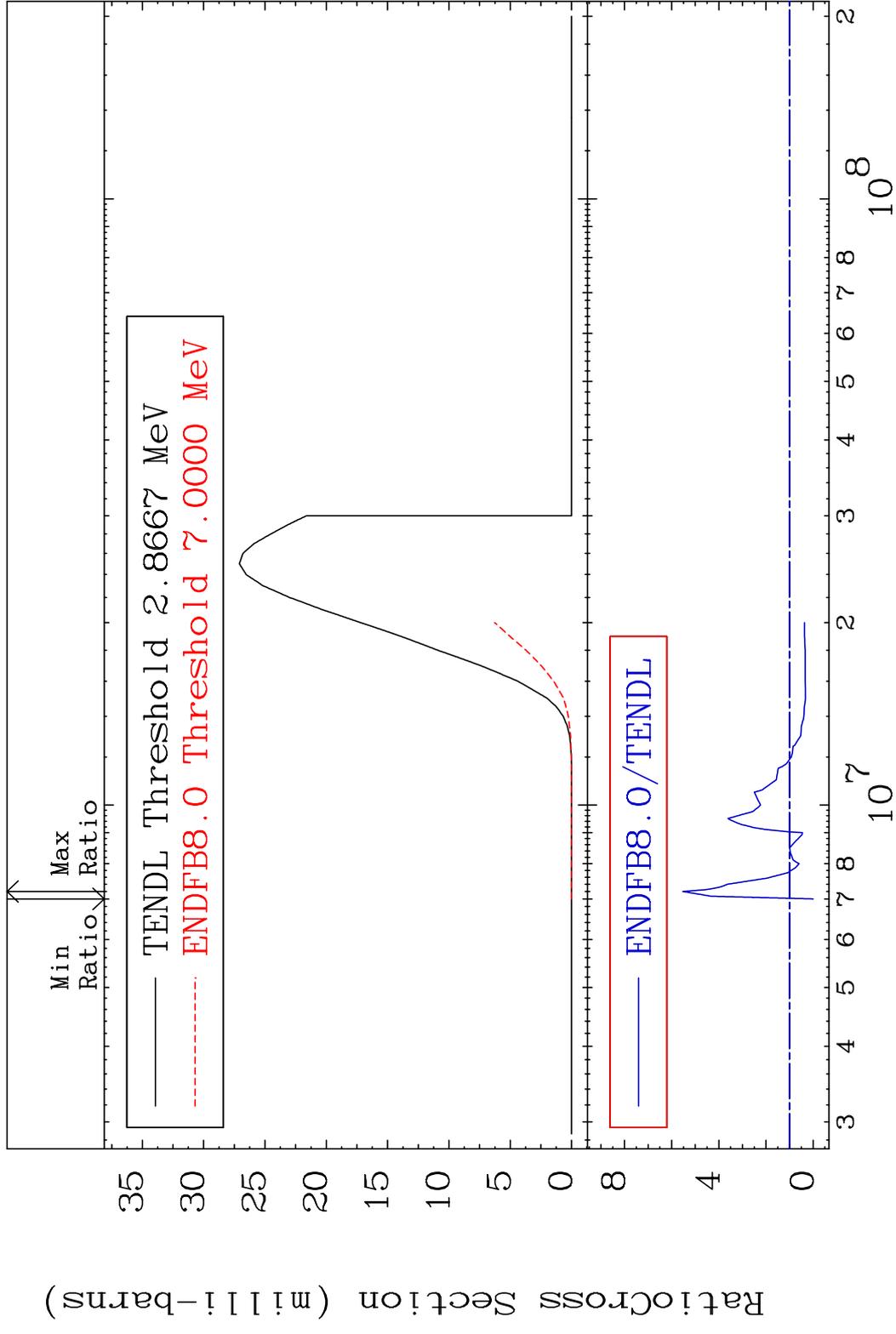


5

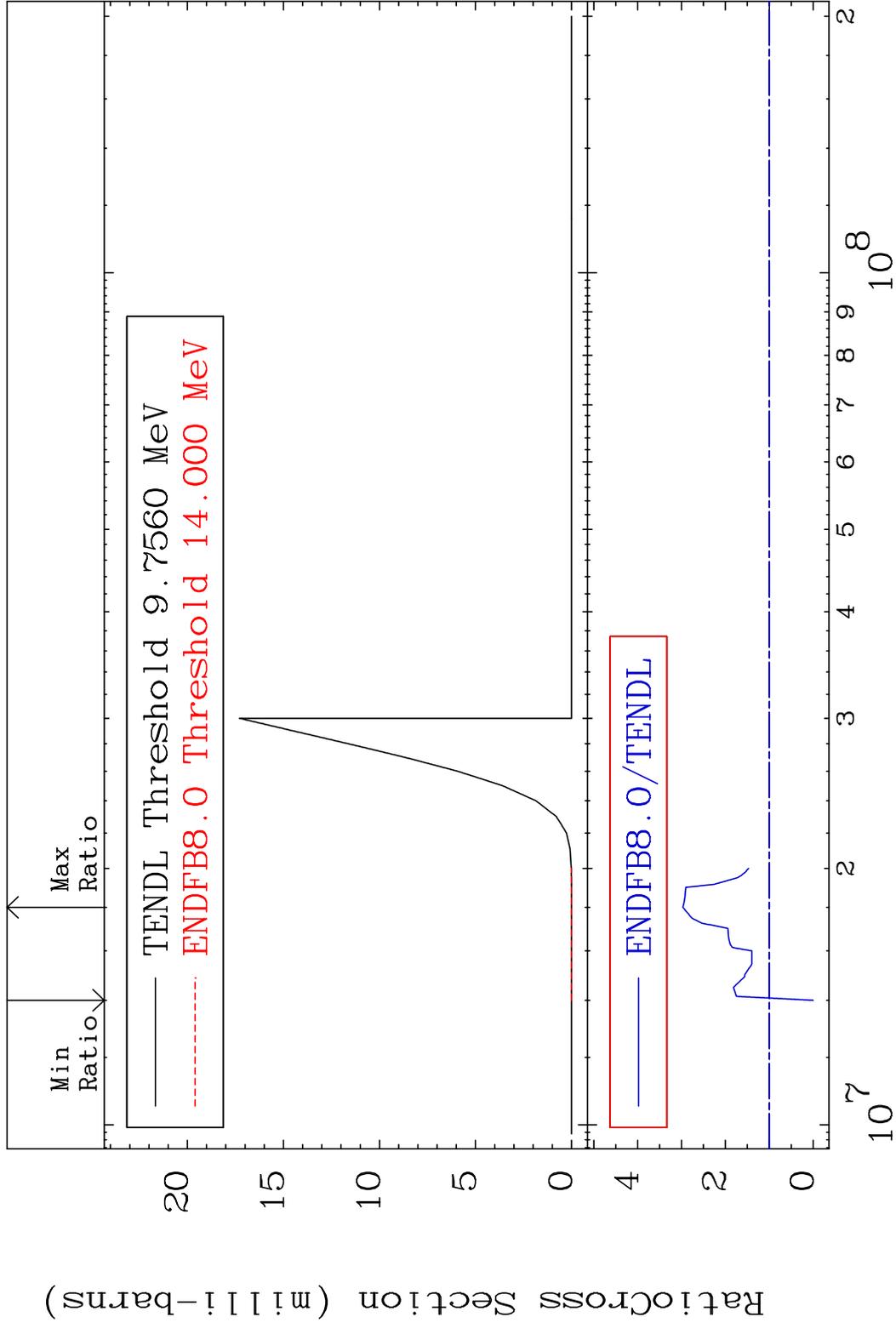
Incident Energy (eV)

44-Ru-101

MAT 4440 (n, n')  $\alpha$  44-Ru-101  
 Cross Section -100.0 To 452.7 %



MAT 4440 (n,2n)  $\alpha$  44-Ru-101  
 Cross Section -100.0 To 197.0 %



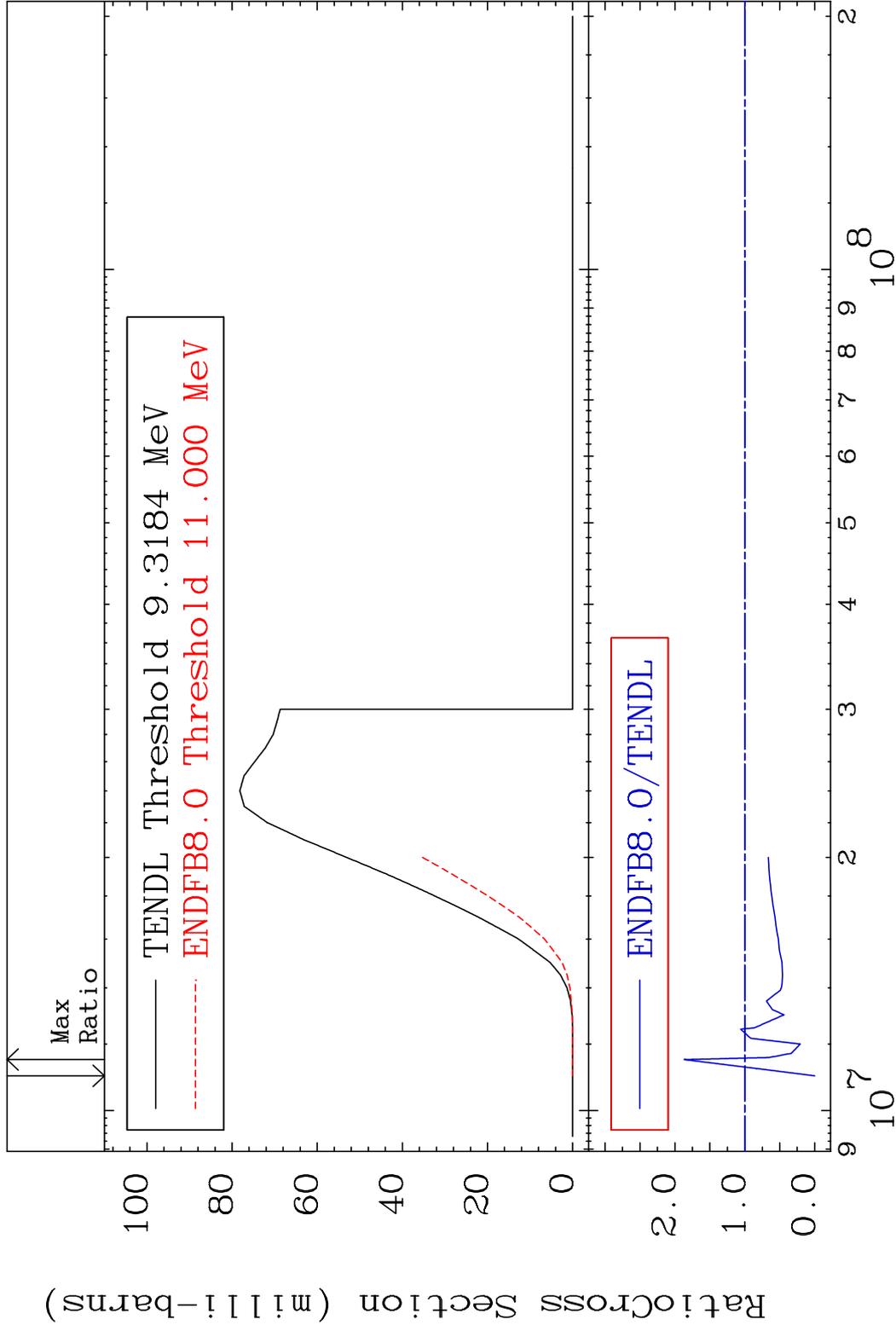
7 Incident Energy (eV) 44-Ru-101

MAT 4440

(n, n') p

44-Ru-101

Cross Section -100.0 To 86.81 %



8

Incident Energy (eV)

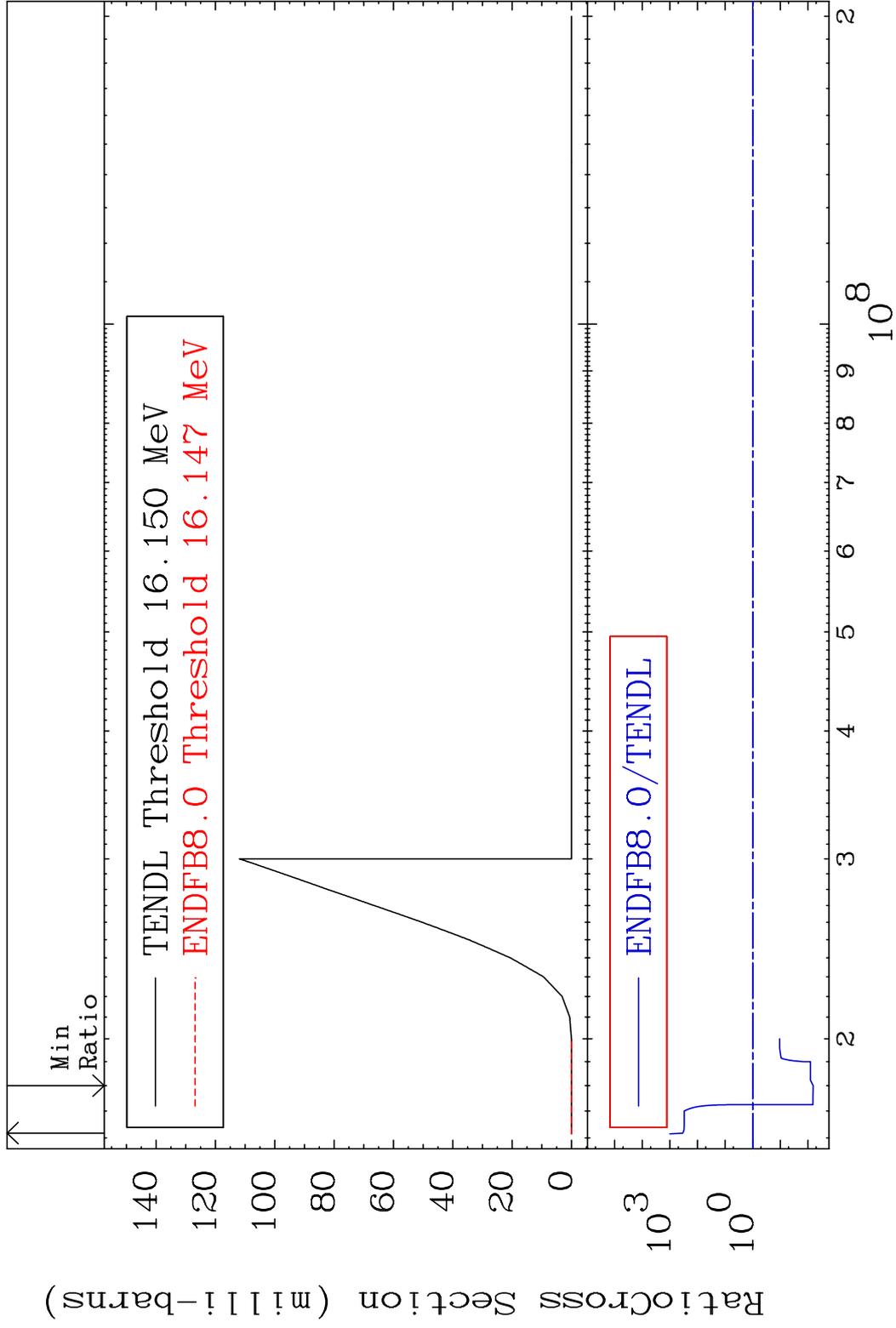
44-Ru-101

MAT 4440

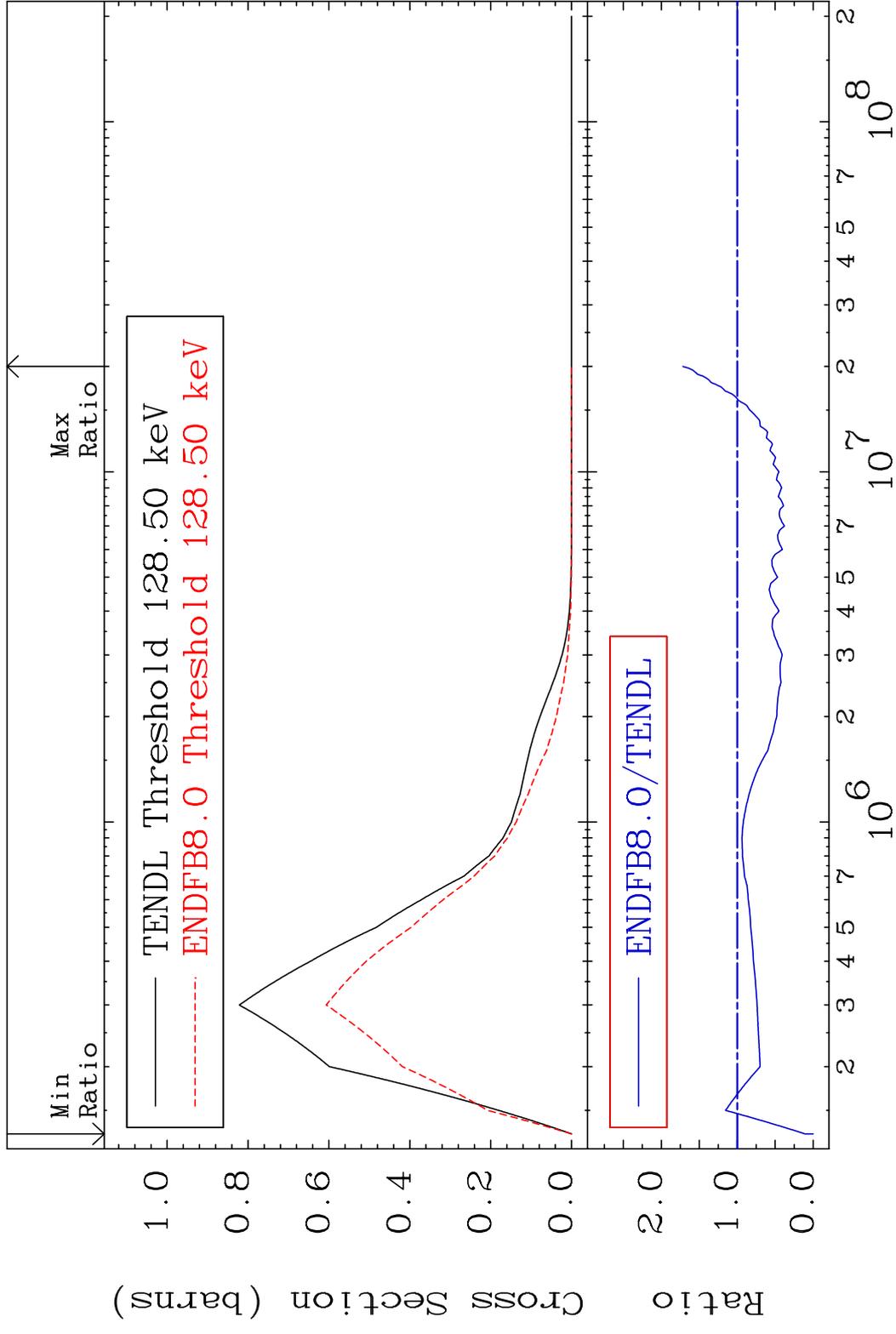
(n,2n) p

44-Ru-101

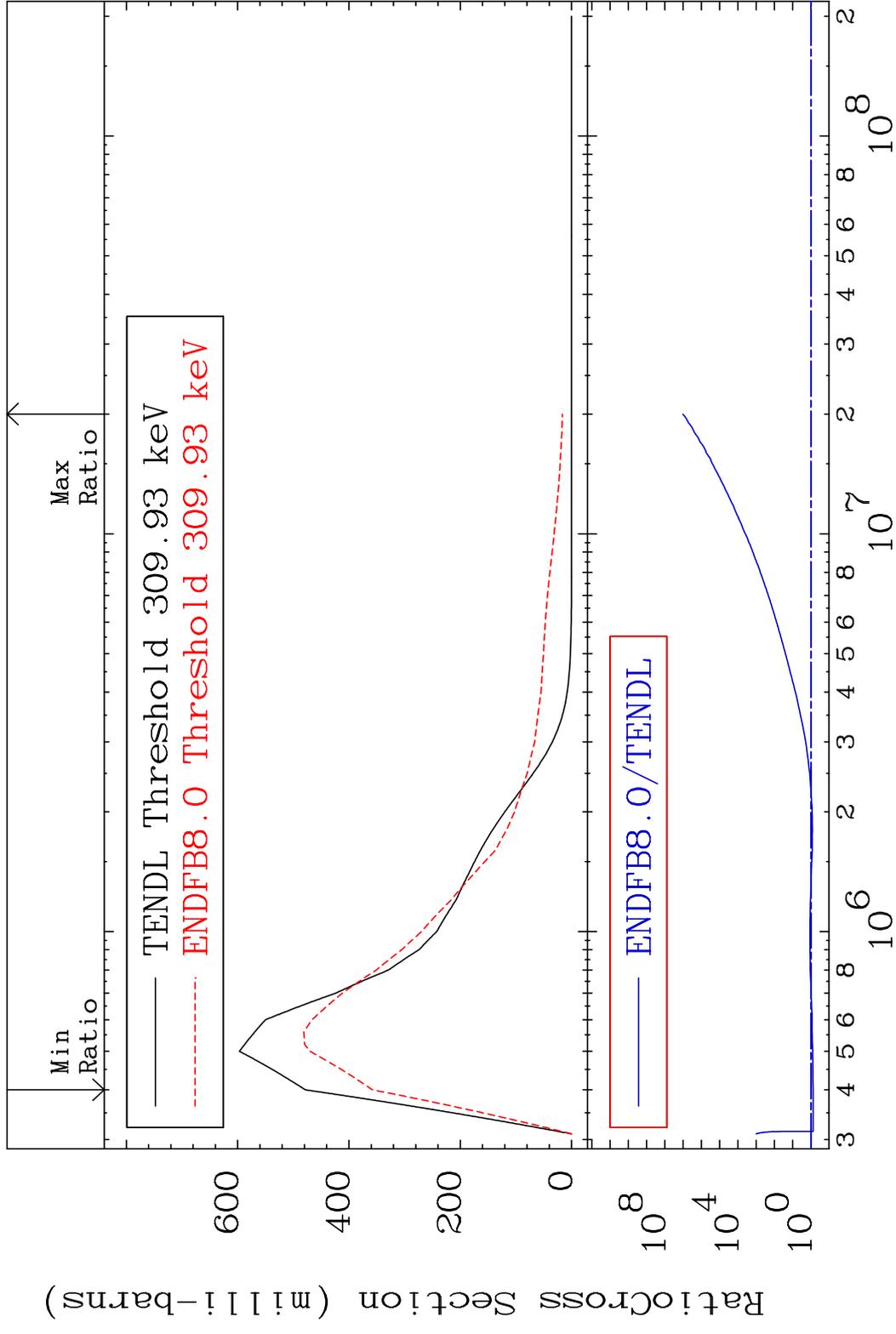
Cross Section -99.36 To 9999. %



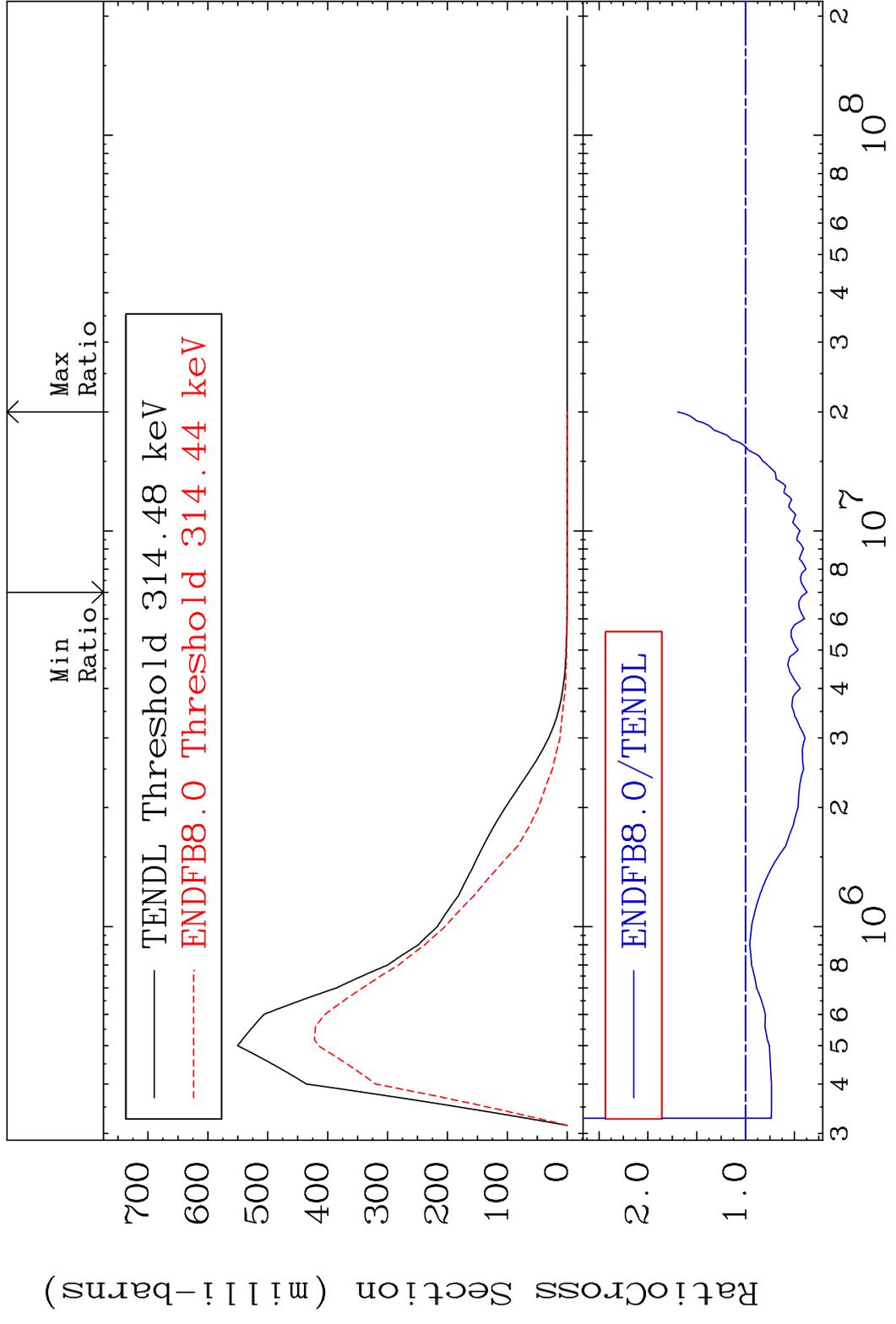
MAT 4440 MT= 51 (n,n') Level 44-Ru-101  
 Cross Section -100.0 To 71.65 %



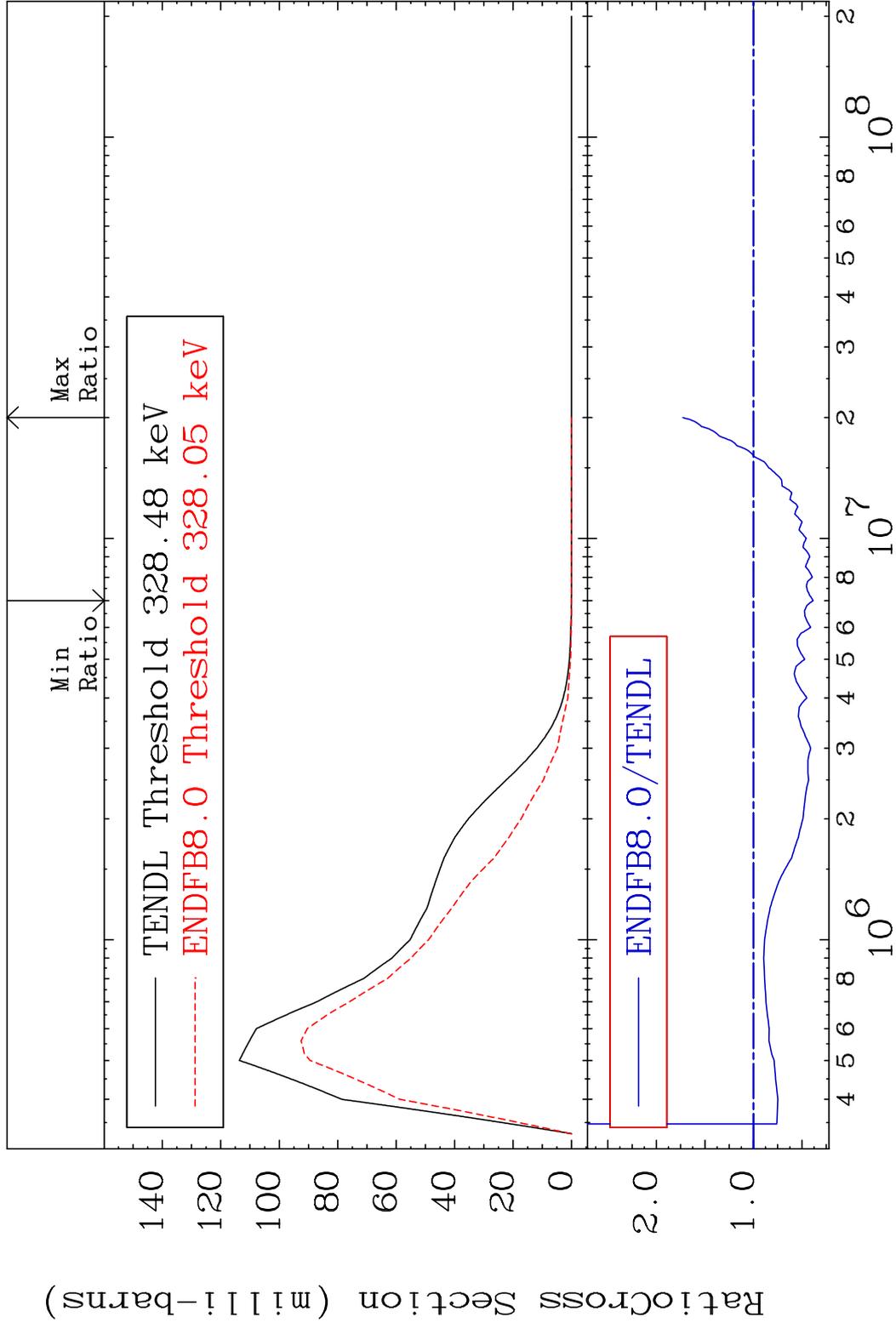
MAT 4440 MT= 52 (n, n') Level 44-Ru-101  
 Cross Section -25.24 To 9999. %



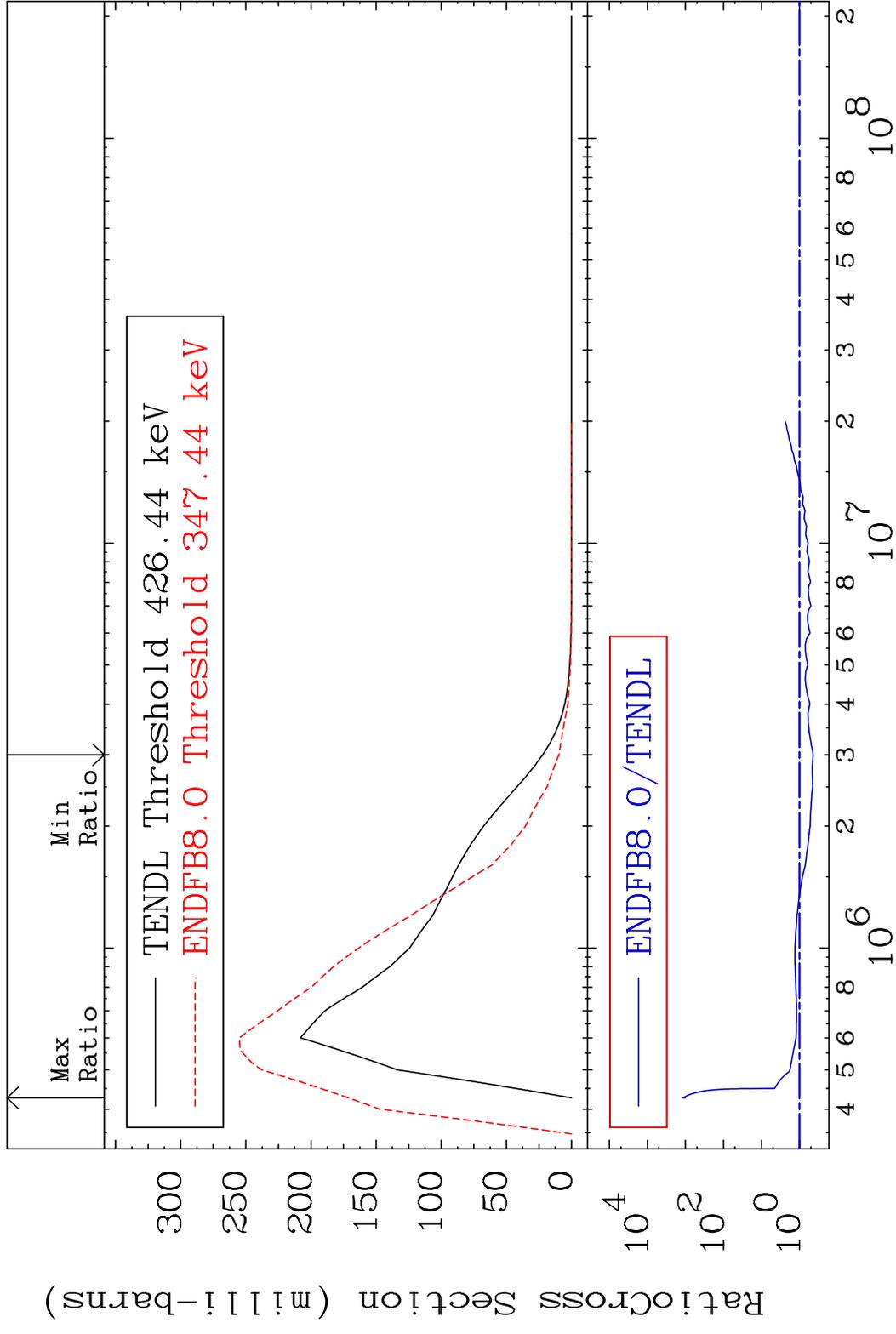
MAT 4440 MT= 53 (n, n') Level 44-Ru-101  
 Cross Section -62.89 To 69.48 %



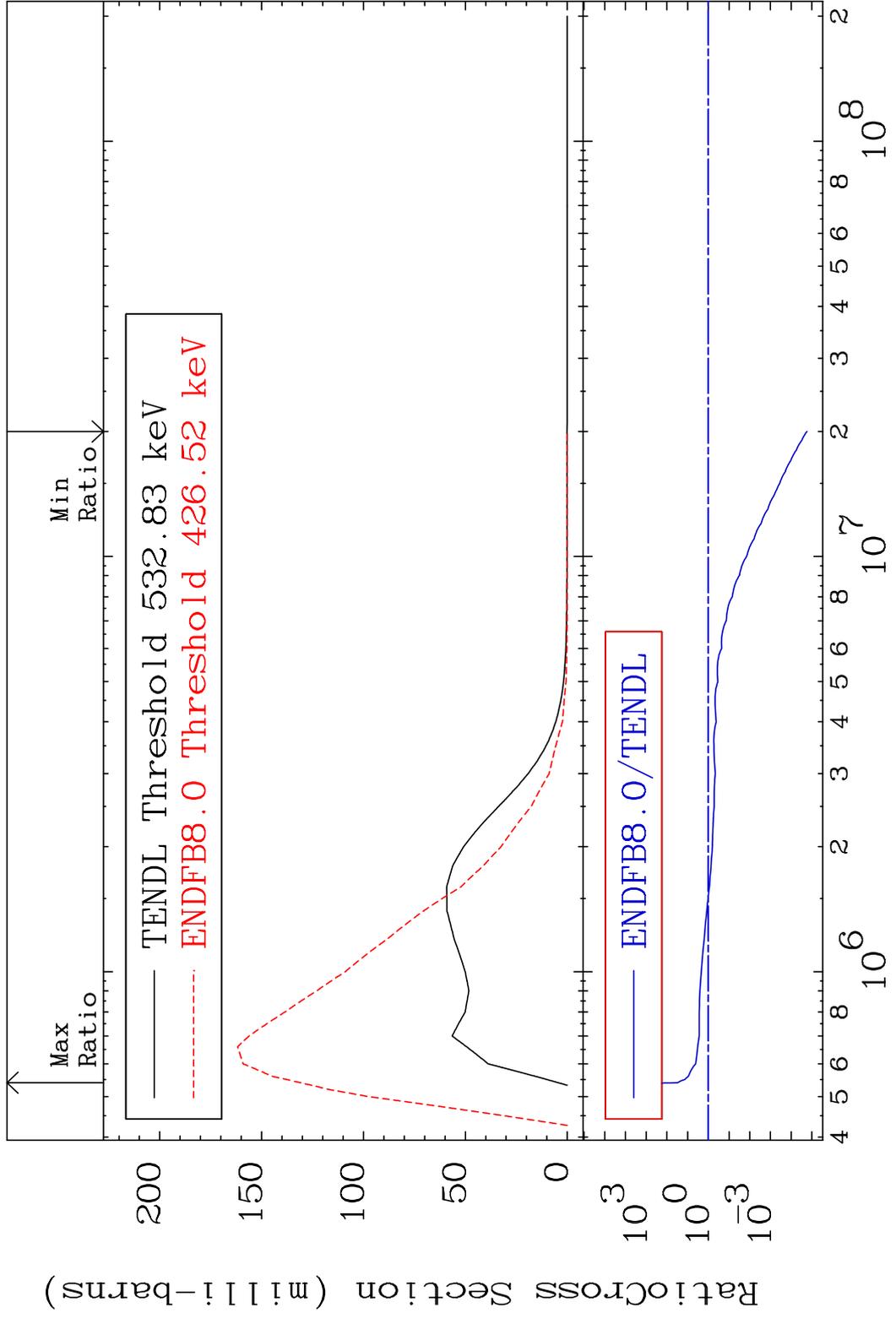
MAT 4440 MT= 54 (n,n') Level 44-Ru-101  
 Cross Section -61.52 To 72.74 %



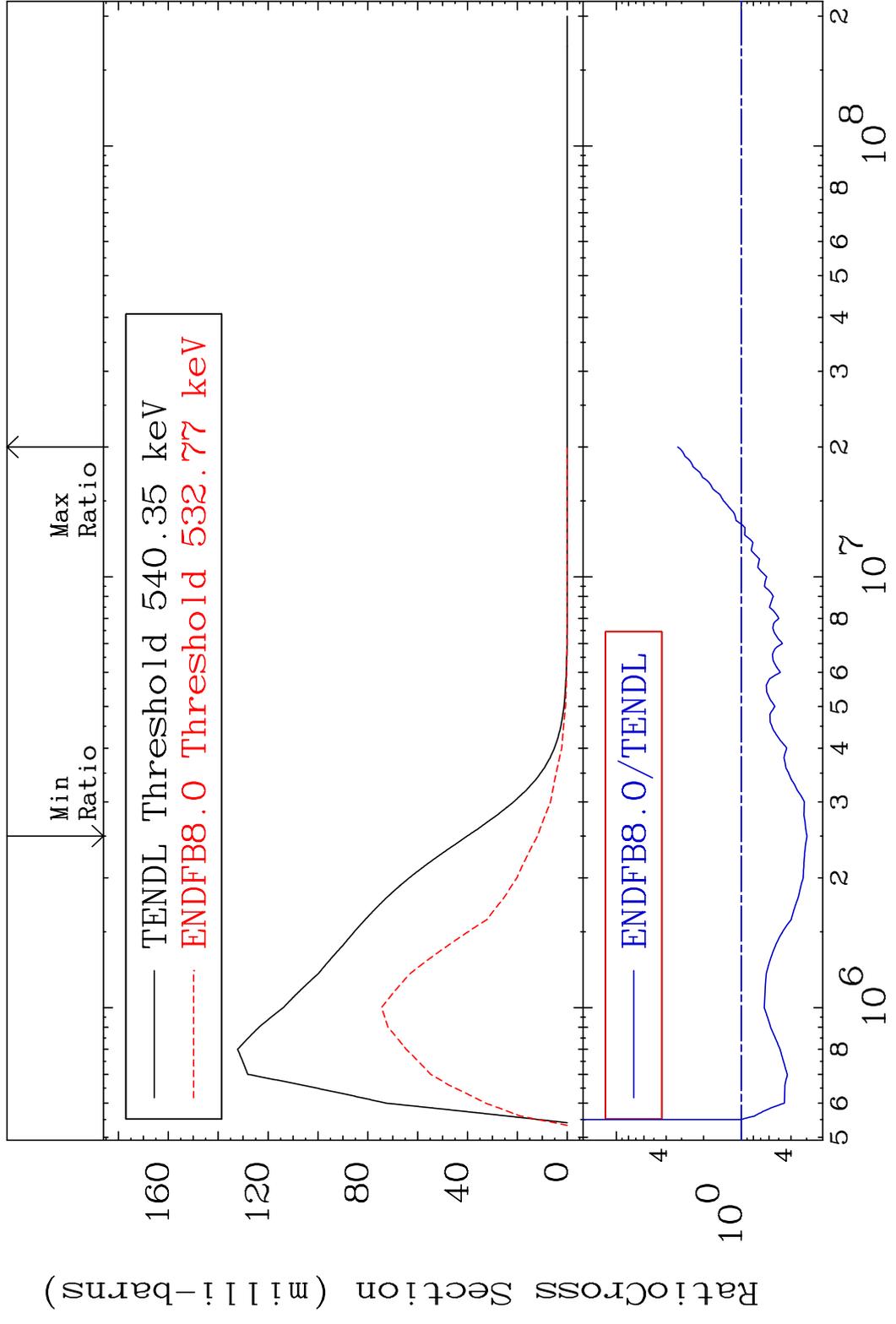
MAT 4440 MT= 55 (n,n') Level 44-Ru-101  
 Cross Section -56.18 To 9999. %



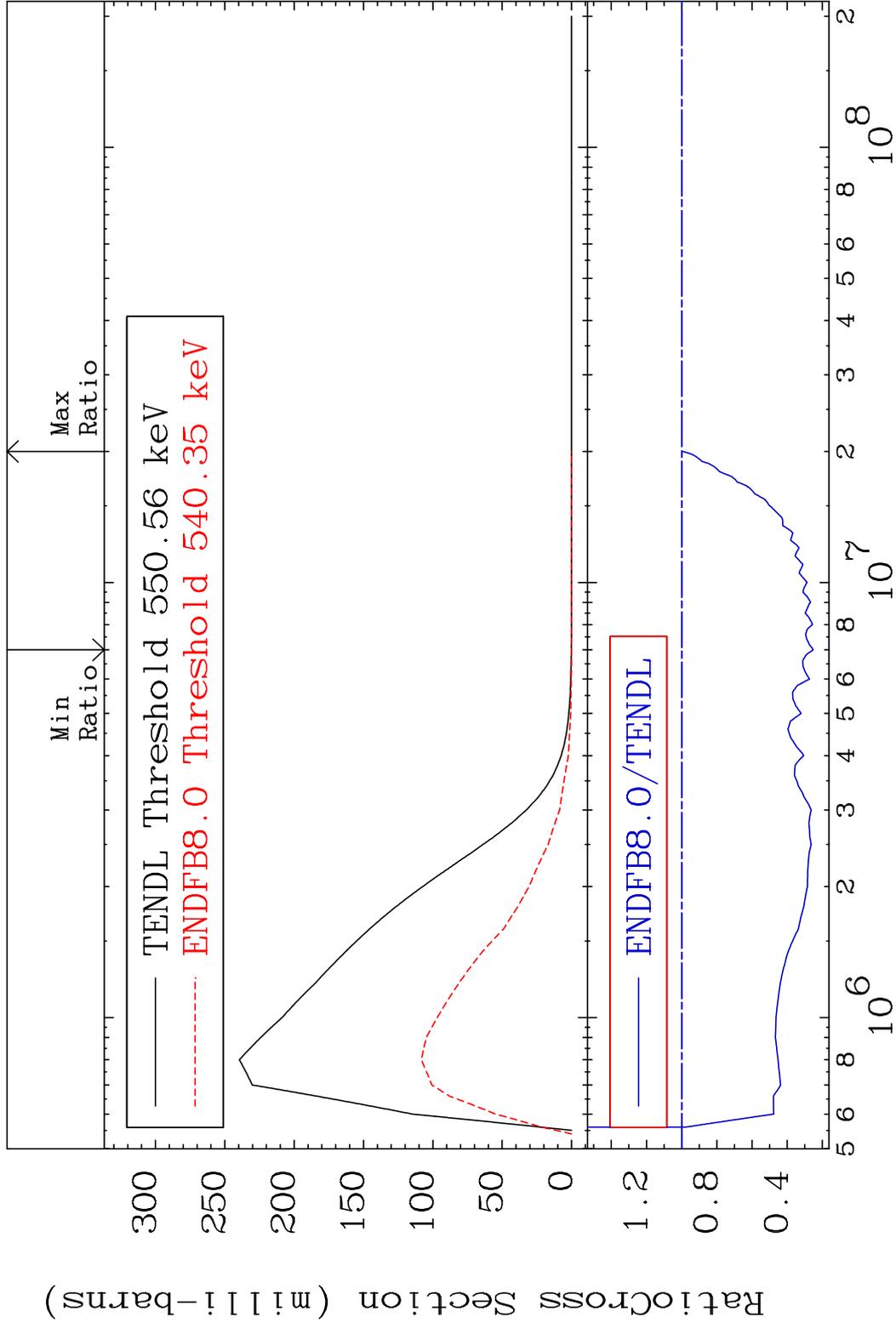
MAT 4440 MT= 56 (n,n') Level 44-Ru-101  
 Cross Section -100.0 To 2911. %



MAT 4440 MT= 57 (n, n') Level 44-Ru-101  
 Cross Section -70.28 To 222.8 %

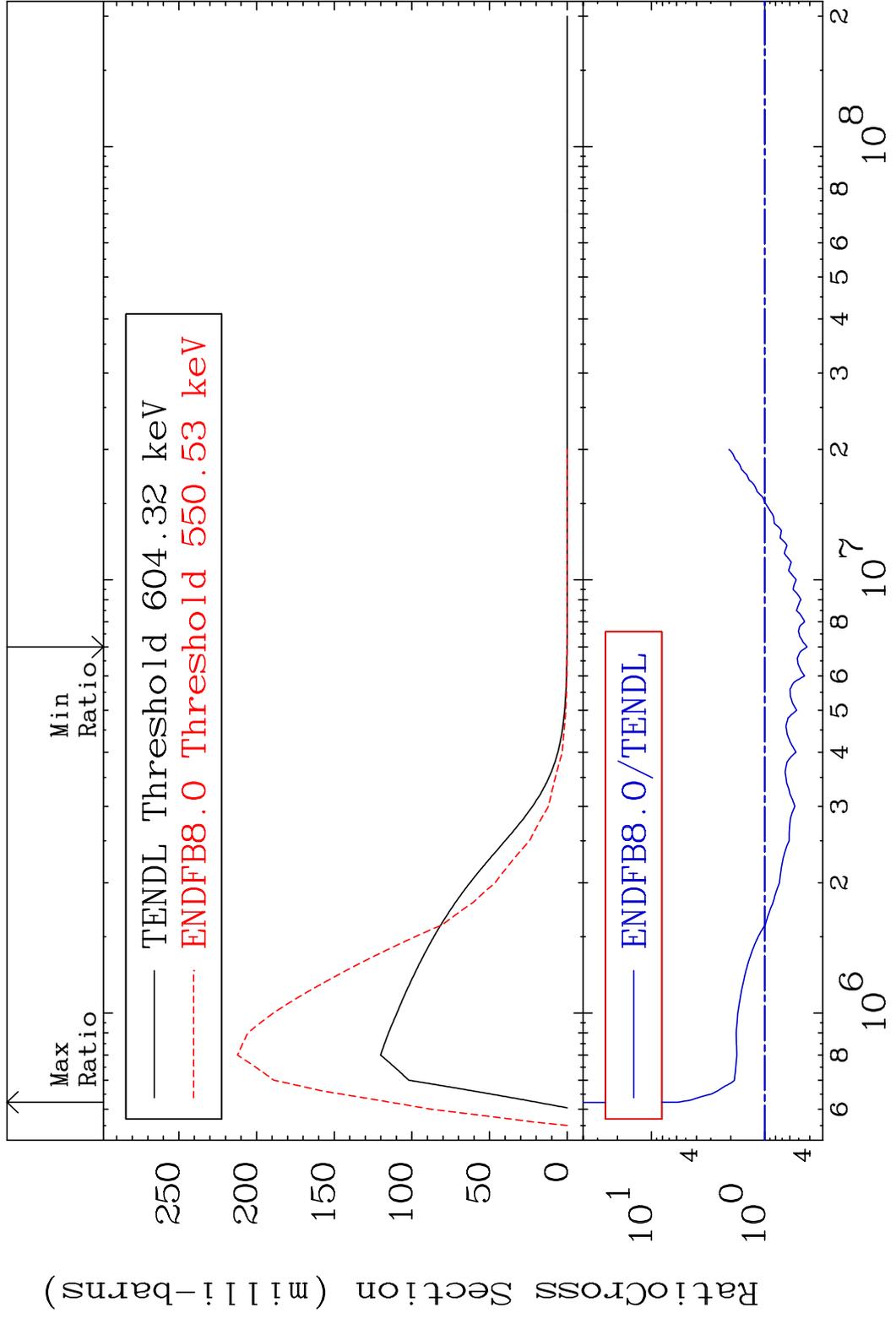


MAT 4440 MT= 58 (n, n') Level 44-Ru-101  
 Cross Section -74.73 To -0.671%

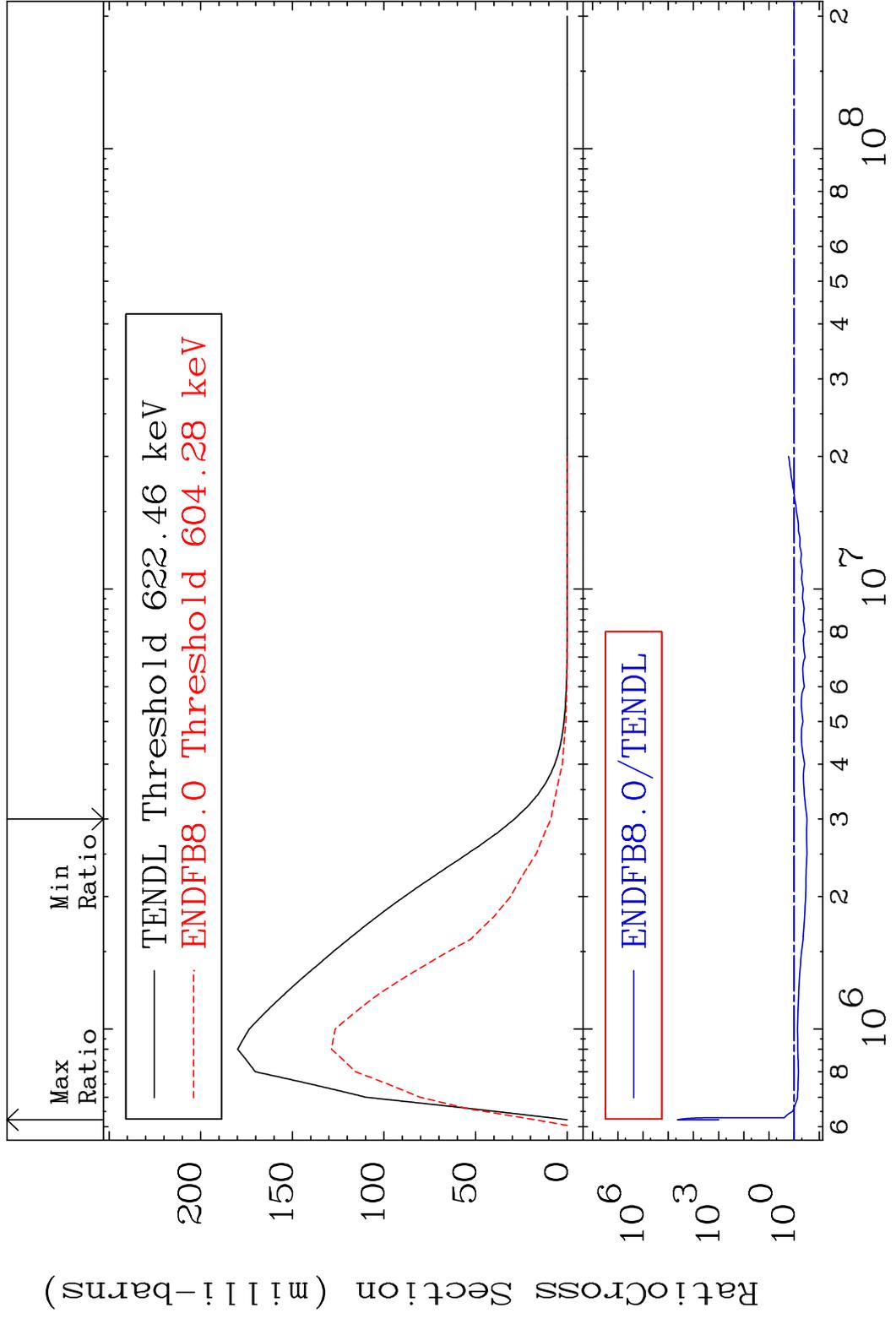


17 Incident Energy (eV) 44-Ru-101

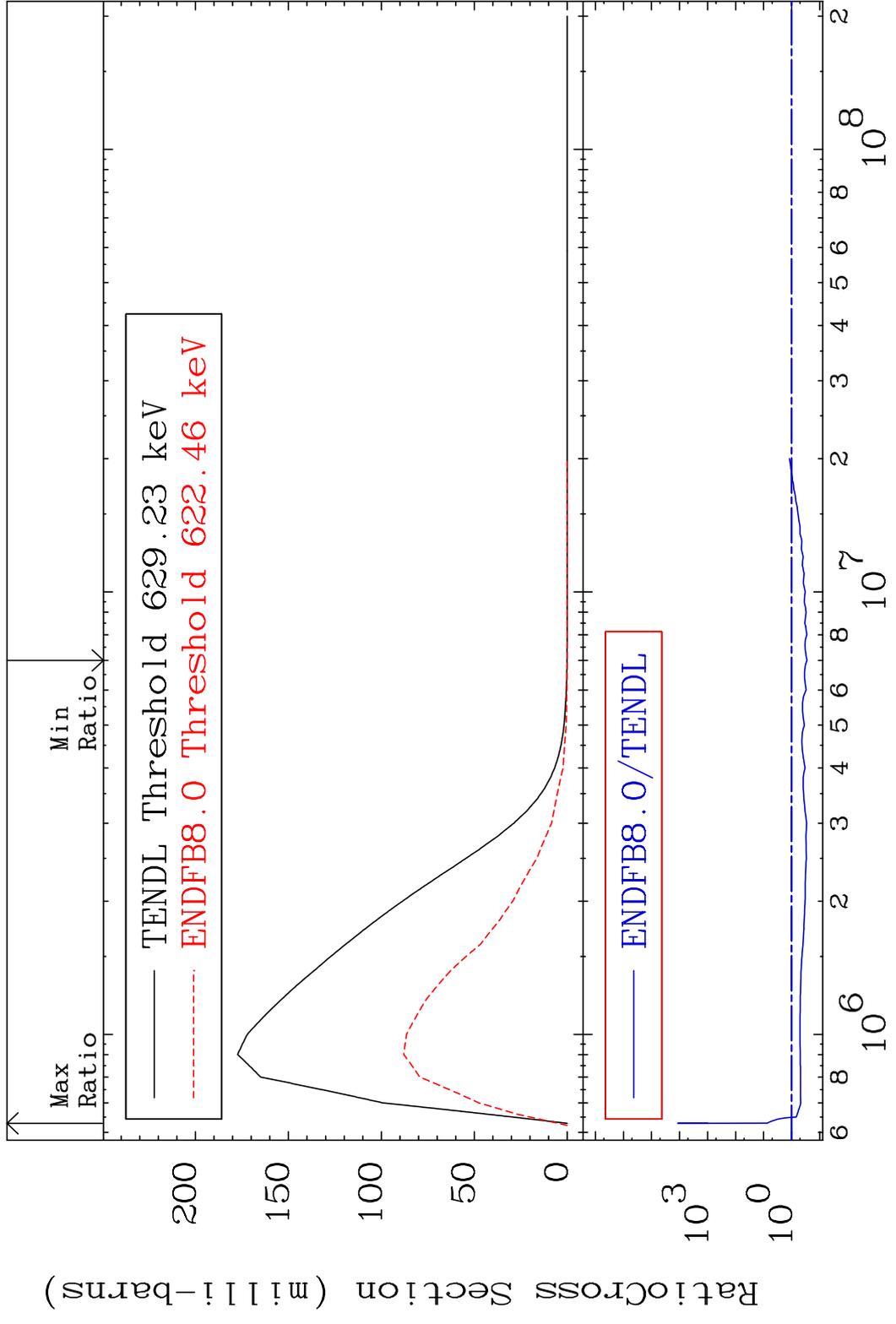
MAT 4440 MT= 59 (n,n') Level 44-Ru-101  
 Cross Section -57.73 To 487.4 %



MAT 4440 MT= 60 (n,n') Level 44-Ru-101  
 Cross Section -69.02 To 9999. %

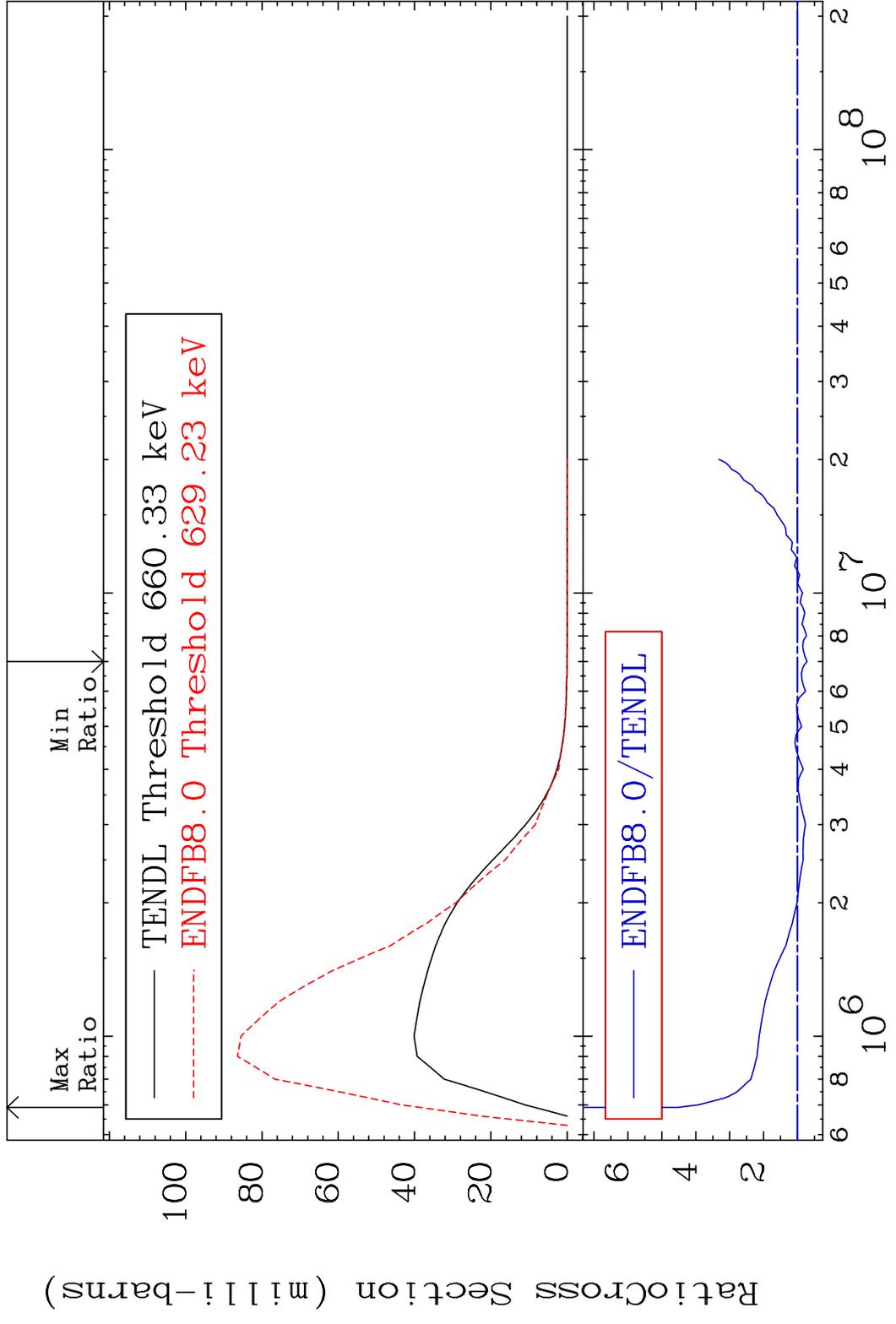


MAT 4440 MT= 61 (n, n') Level 44-Ru-101  
 Cross Section -71.67 To 9999. %

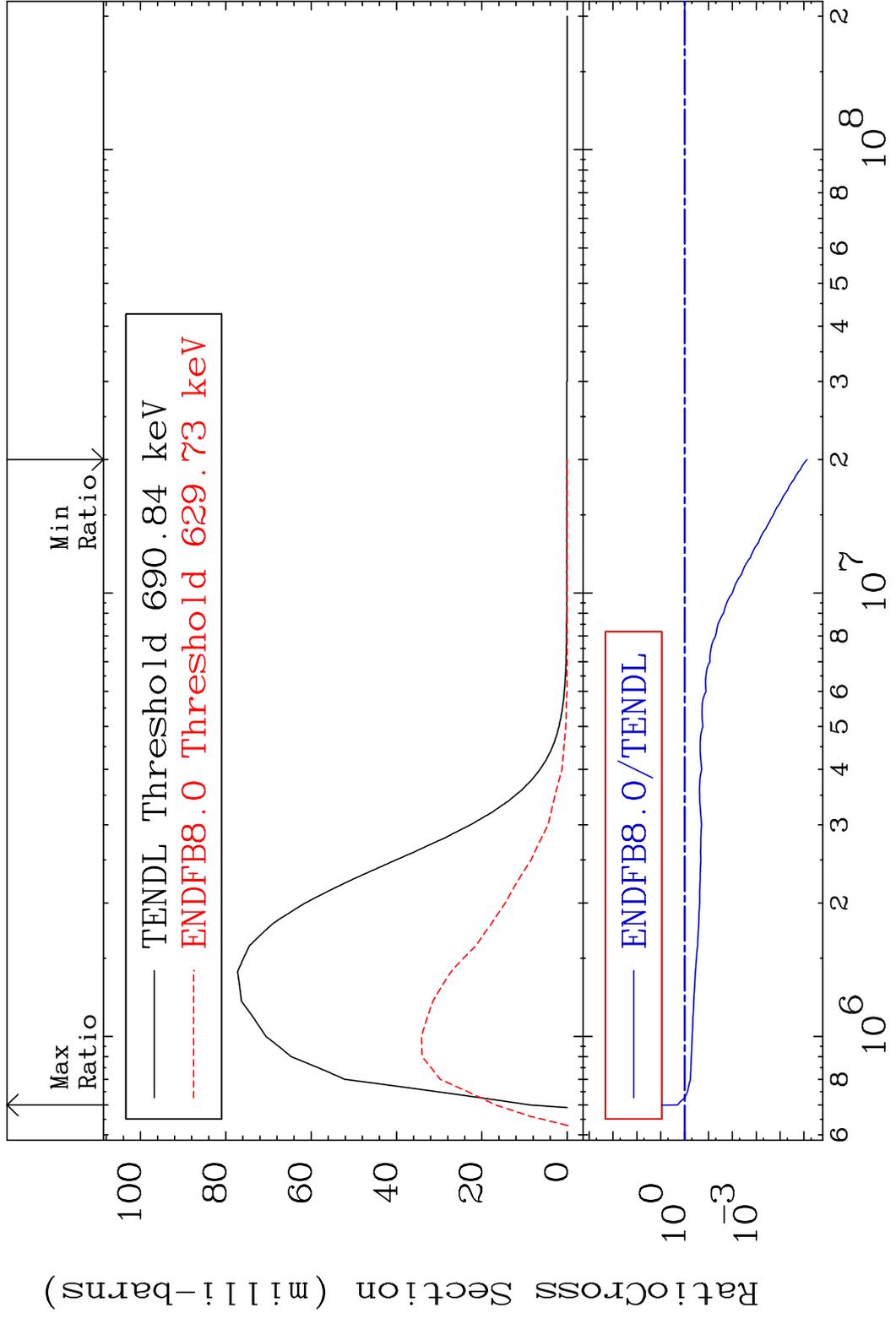


20 Incident Energy (eV) 44-Ru-101

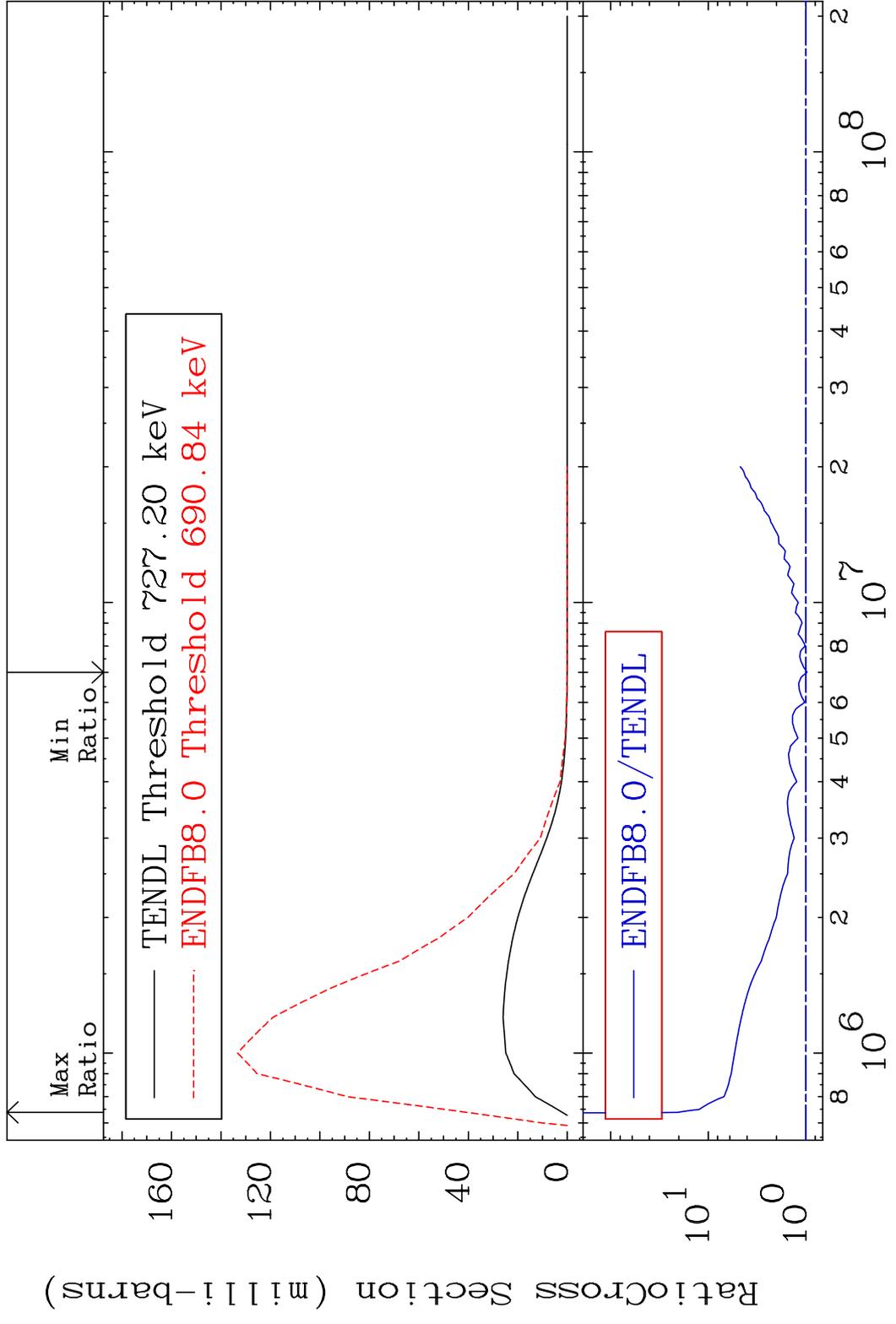
MAT 4440 MT= 62 (n, n') Level 44-Ru-101  
 Cross Section -28.01 To 353.3 %



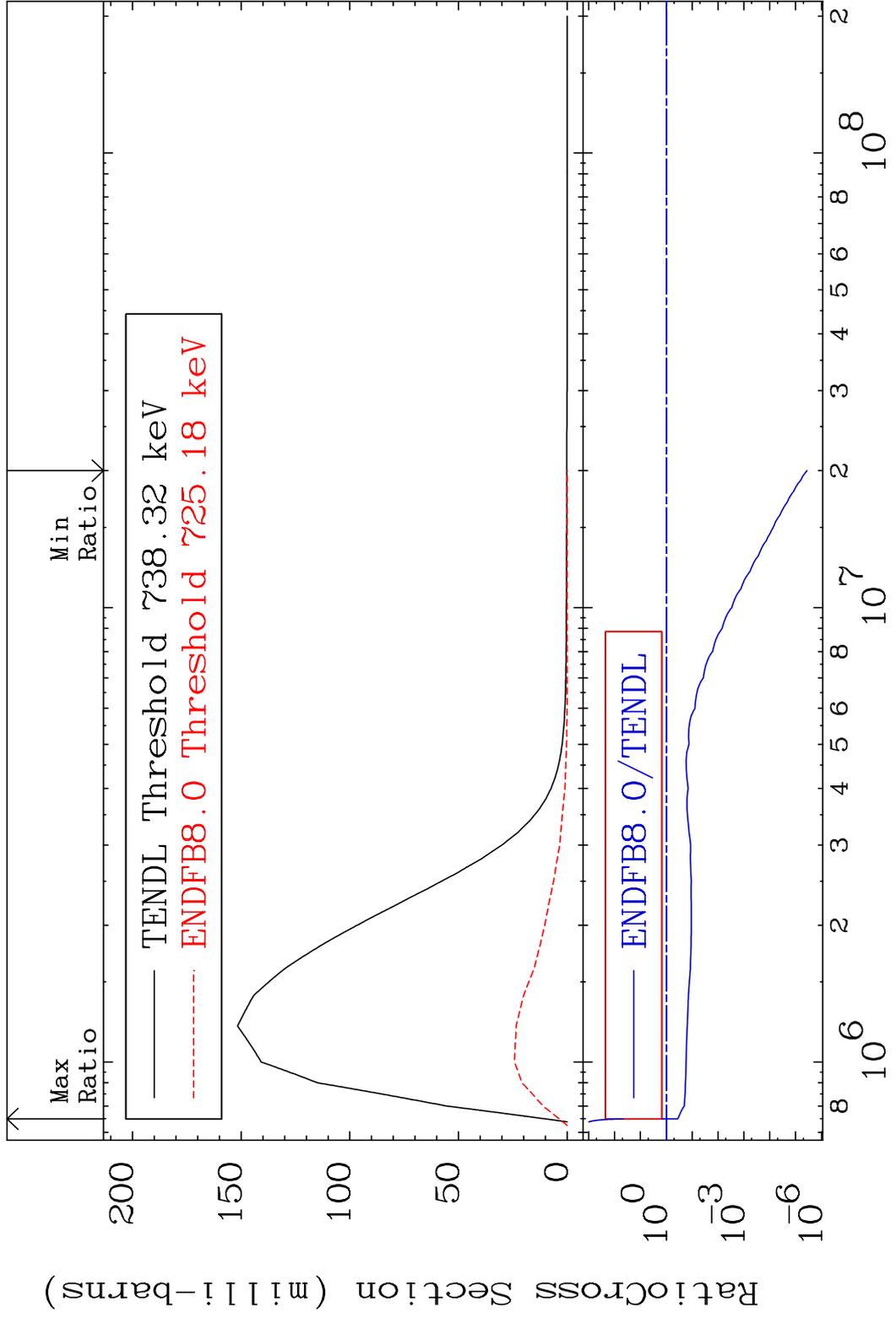
MAT 4440 MT= 63 (n, n') Level 44-Ru-101  
 Cross Section -100.0 To 95.41 %



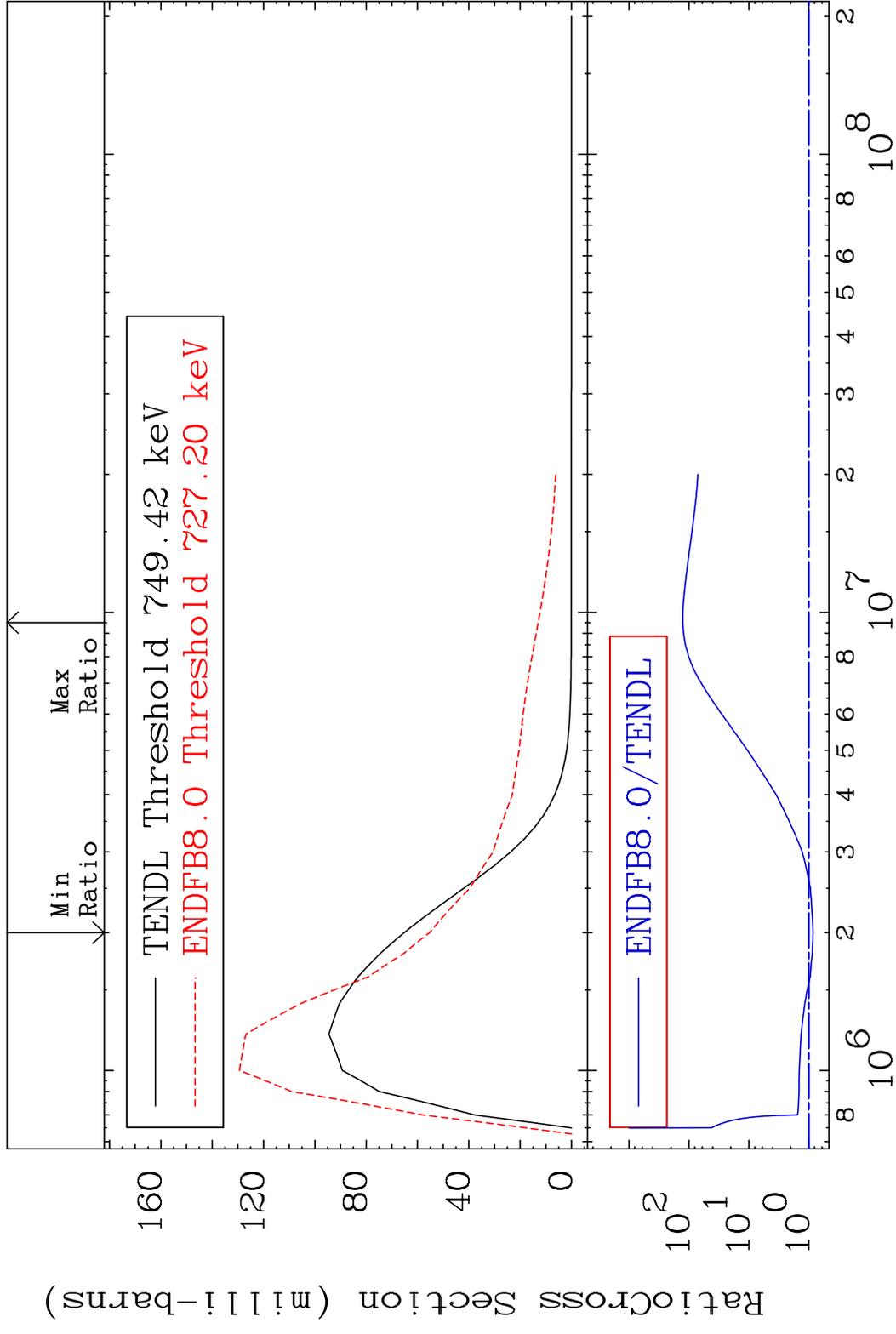
MAT 4440 MT= 64 (n,n') Level 44-Ru-101  
 Cross Section -2.742 To 1956. %



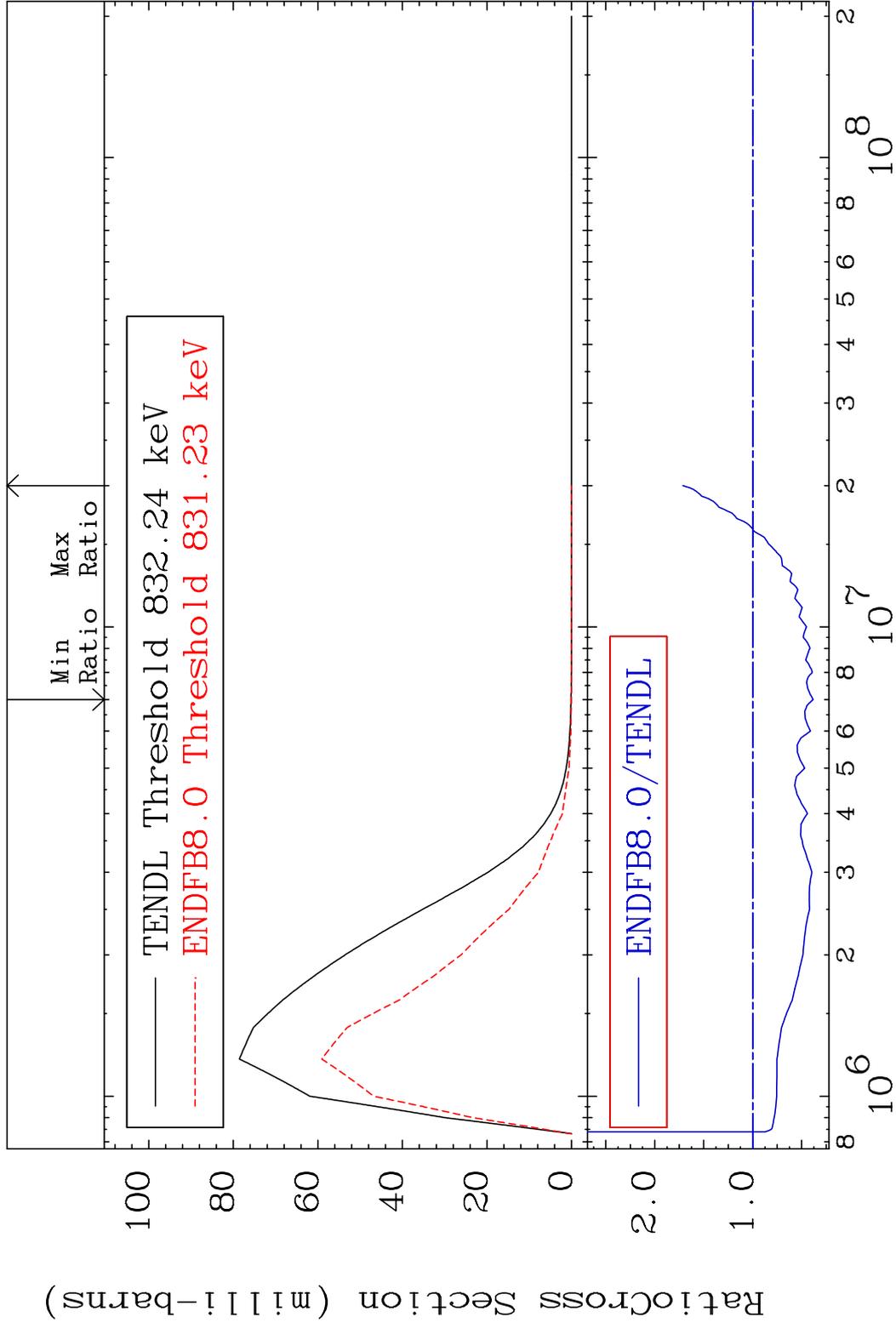
MAT 4440 MT= 65 (n, n') Level 44-Ru-101  
 Cross Section -100.0 To -63.70%



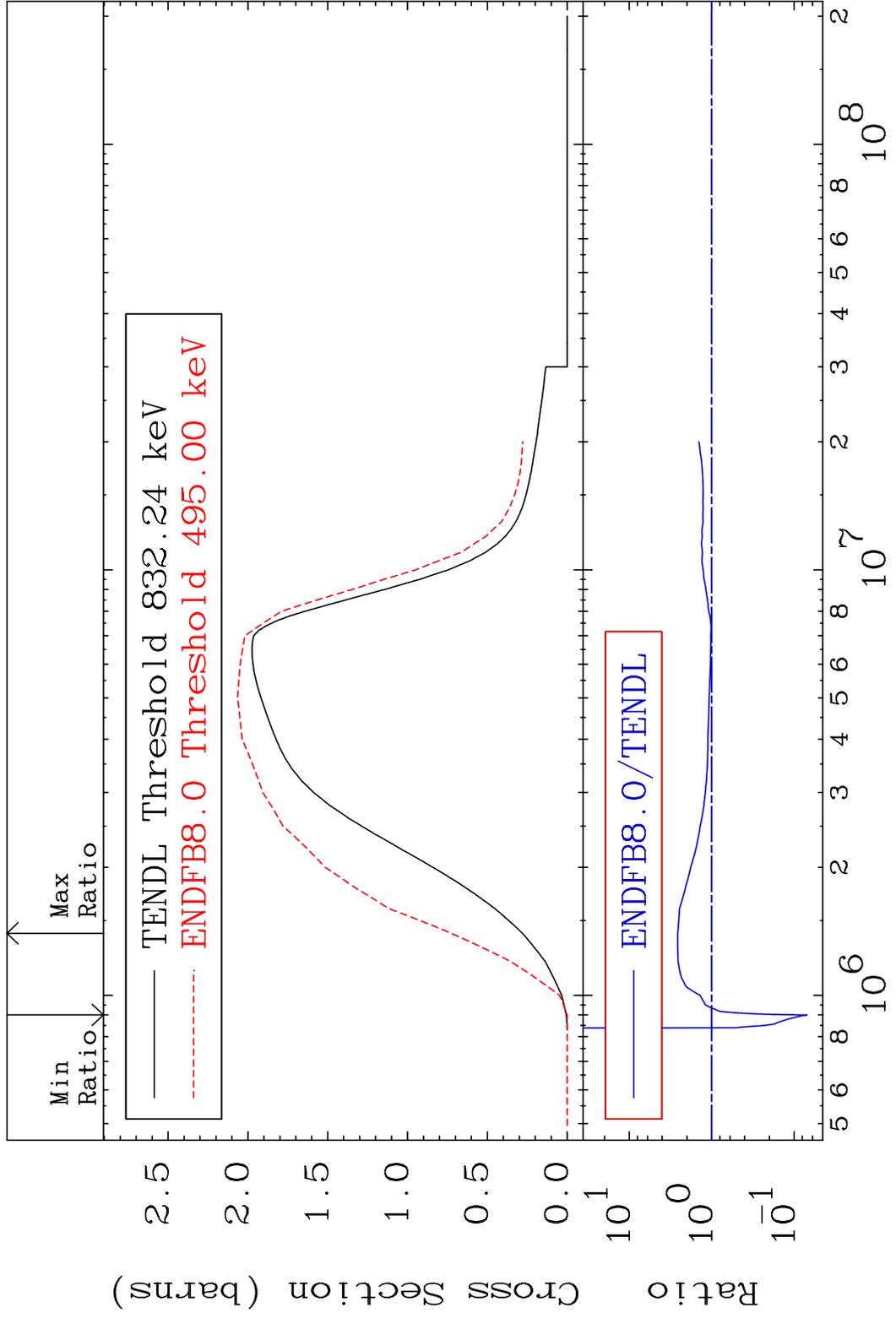
MAT 4440 MT= 66 (n, n') Level 44-Ru-101  
 Cross Section -15.18 To 9999. %



MAT 4440 MT= 67 (n, n') Level 44-Ru-101  
 Cross Section -61.73 To 71.35 %



MAT 4440 (n,n') Continuum 44-Ru-101  
 Cross Section -93.00 To 159.1 %

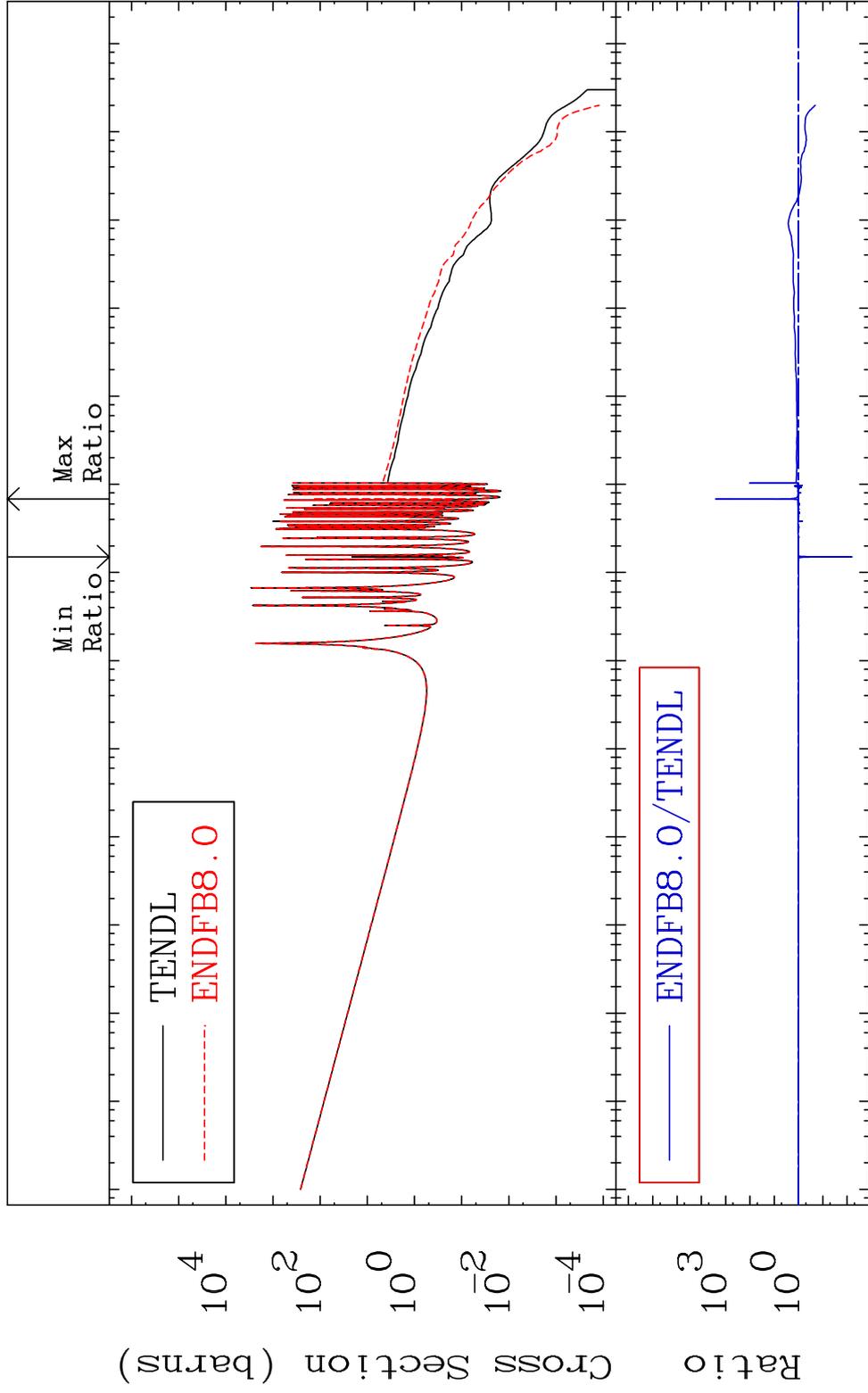


MAT 4440

(n,  $\gamma$ )

44-Ru-101

Cross Section -99.40 To 9999. %

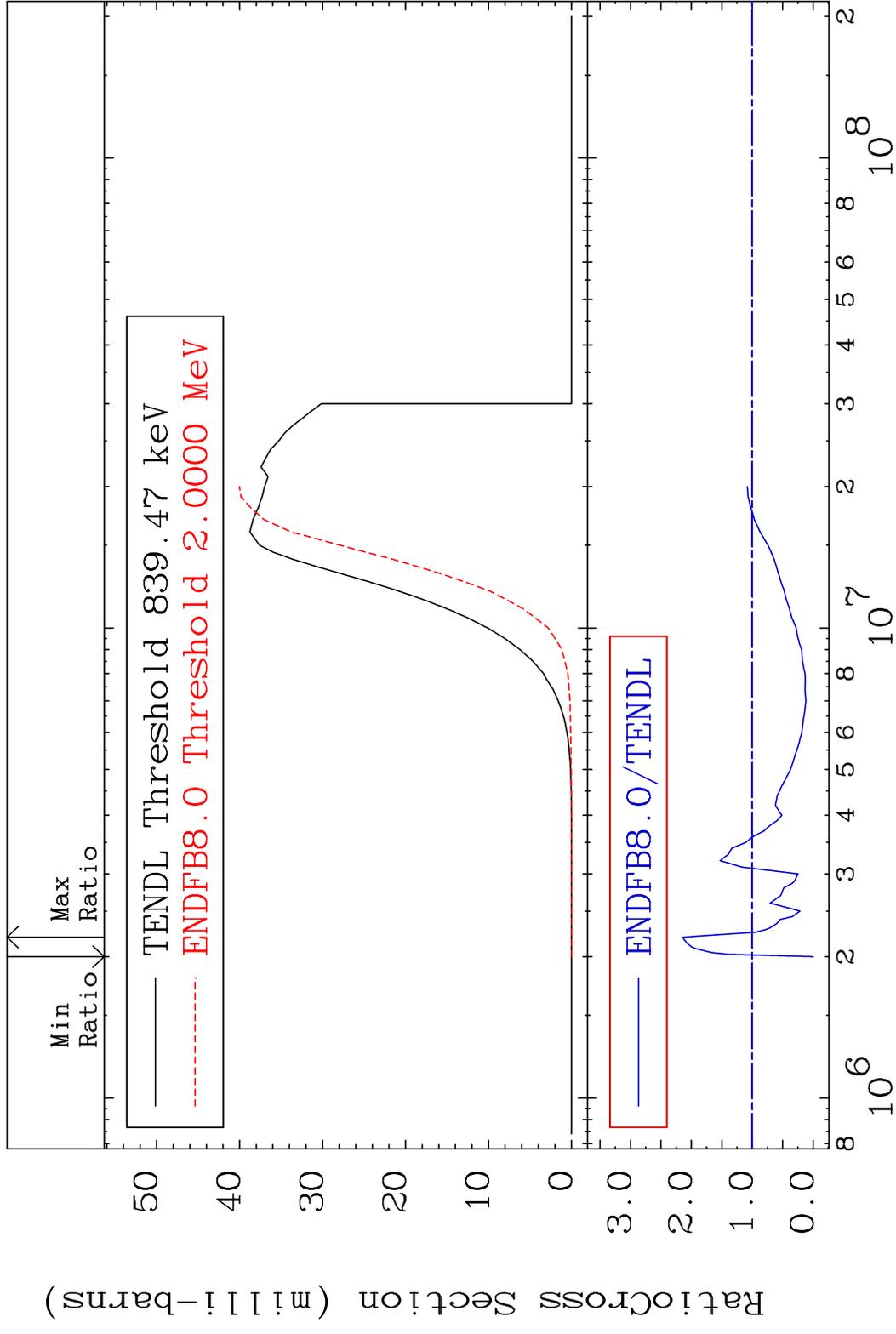


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Incident Energy (eV)

44-Ru-101

MAT 4440 (n,p) 44-Ru-101  
 Cross Section -100.0 To 114.1 %



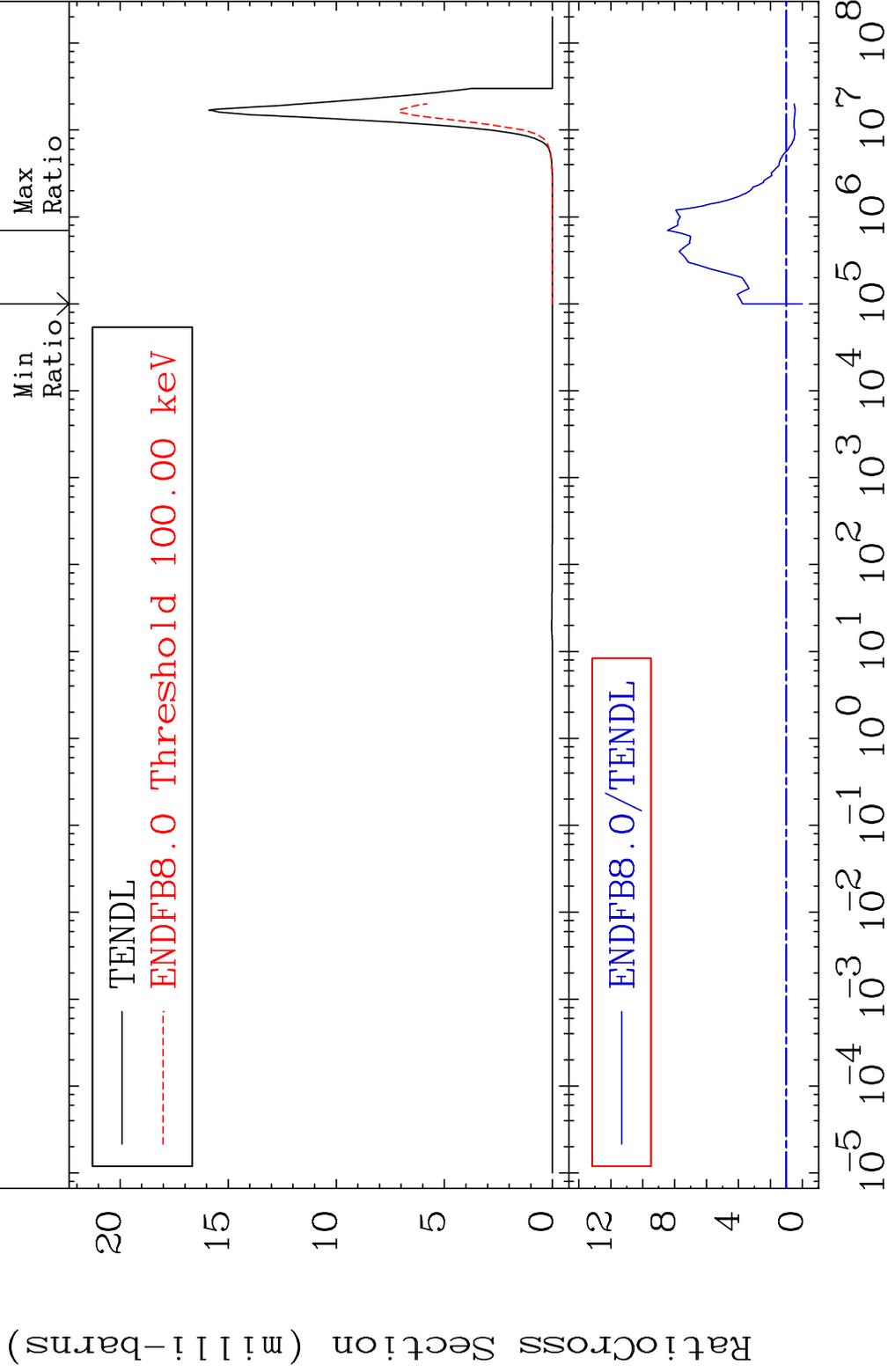
29 44-Ru-101

MAT 4440

(n,  $\alpha$ )

44-Ru-101

Cross Section -100.0 To 744.6 %

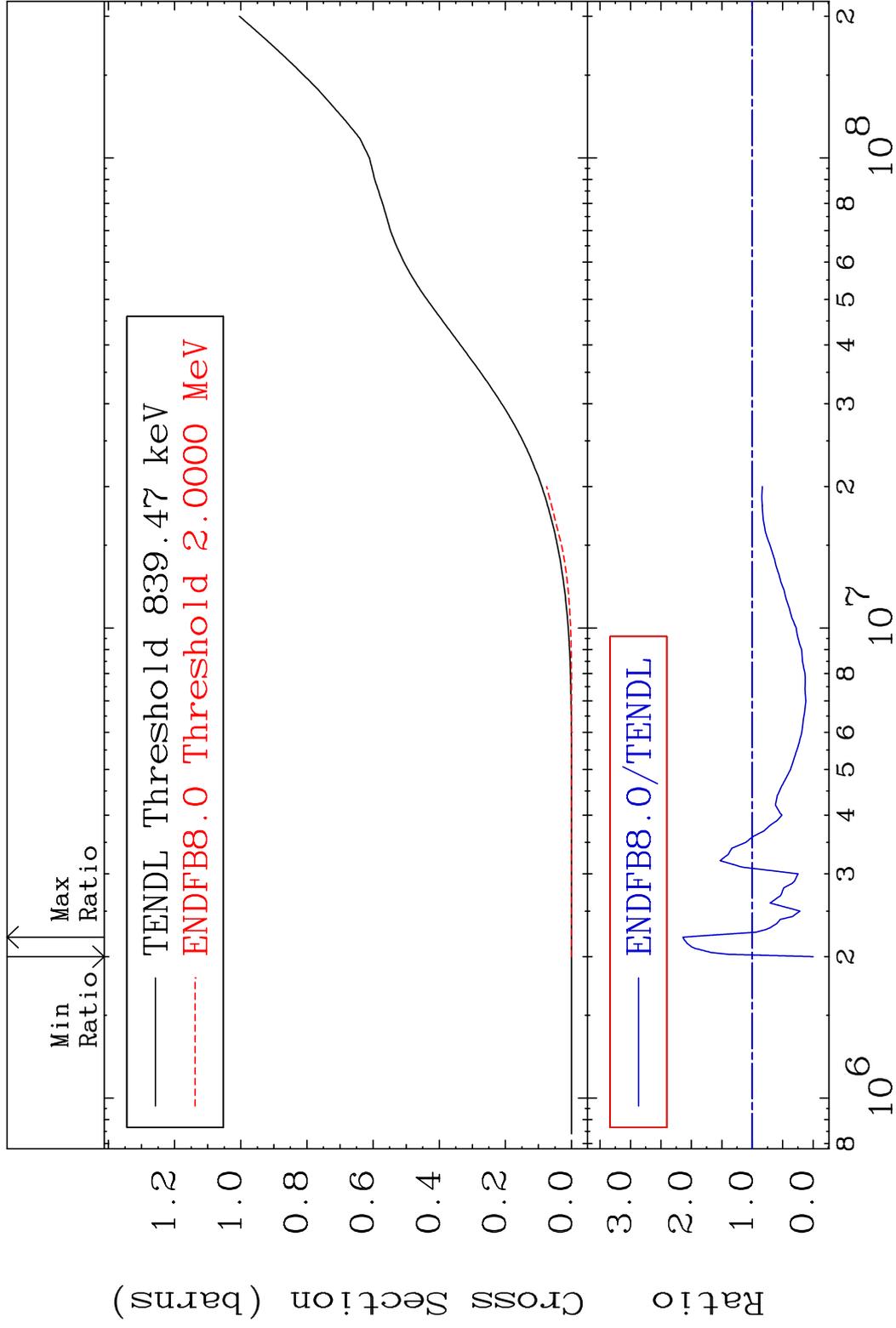


MAT 4440

Hydrogen Production

44-Ru-101

Cross Section -100.0 To 114.1 %



31

Incident Energy (eV)

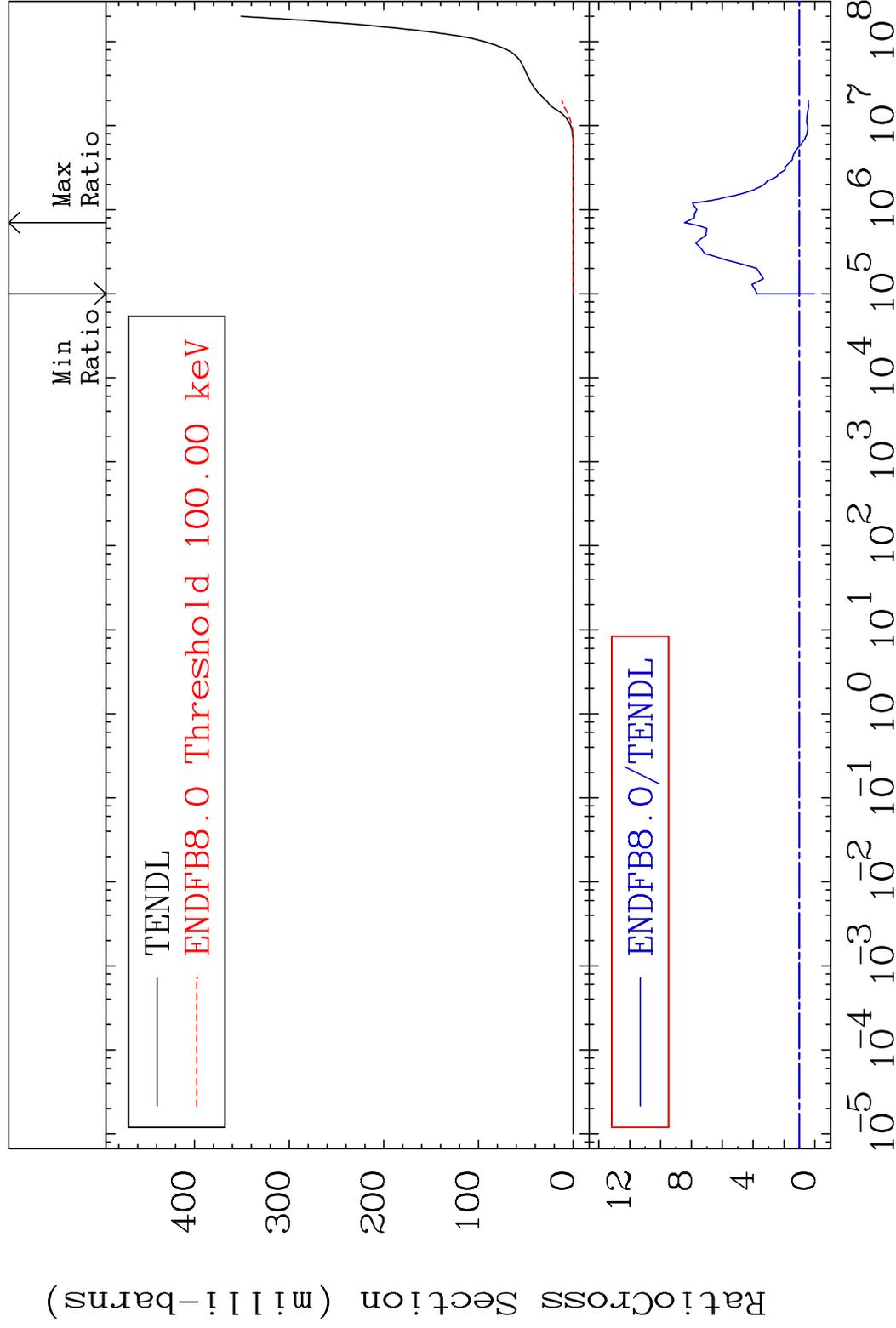
44-Ru-101

MAT 4440

He-4 Production

44-Ru-101

Cross Section -100.0 To 744.6 %

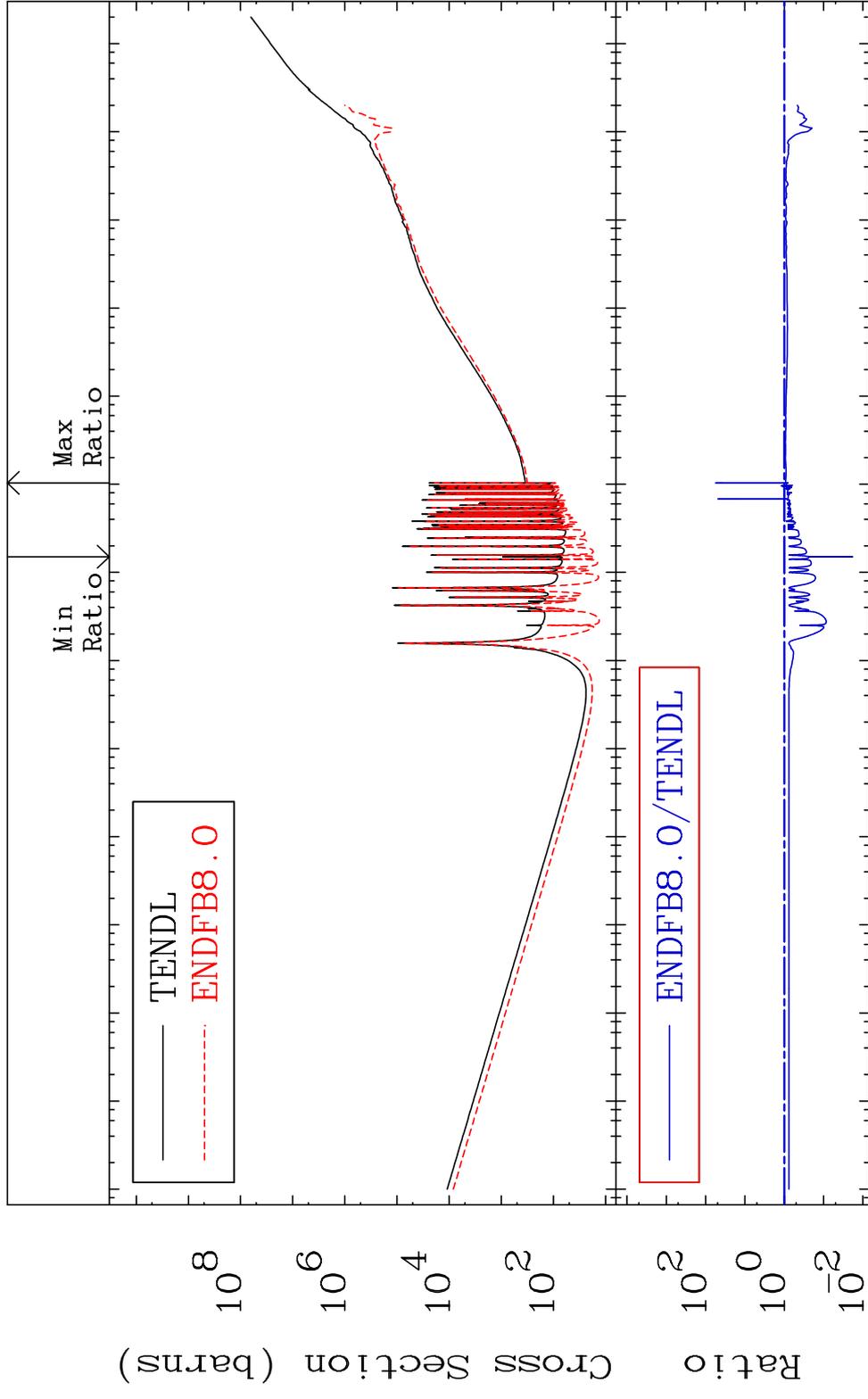


32

Incident Energy (eV)

44-Ru-101

MAT 4440 Kerma total (eV-barns) 44-Ru-101  
 Cross Section -98.16 To 5393. %

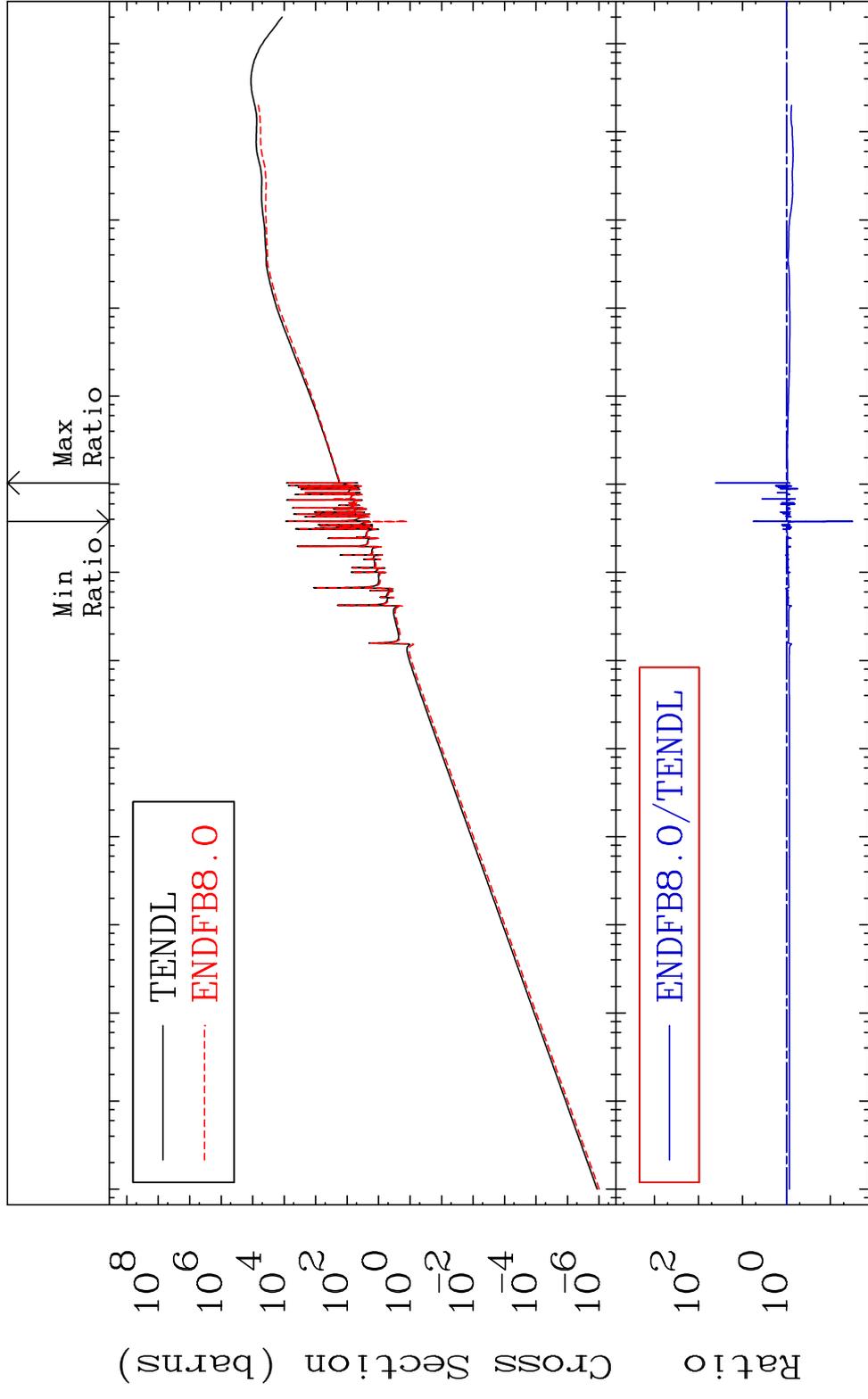


33 Incident Energy (eV) 44-Ru-101

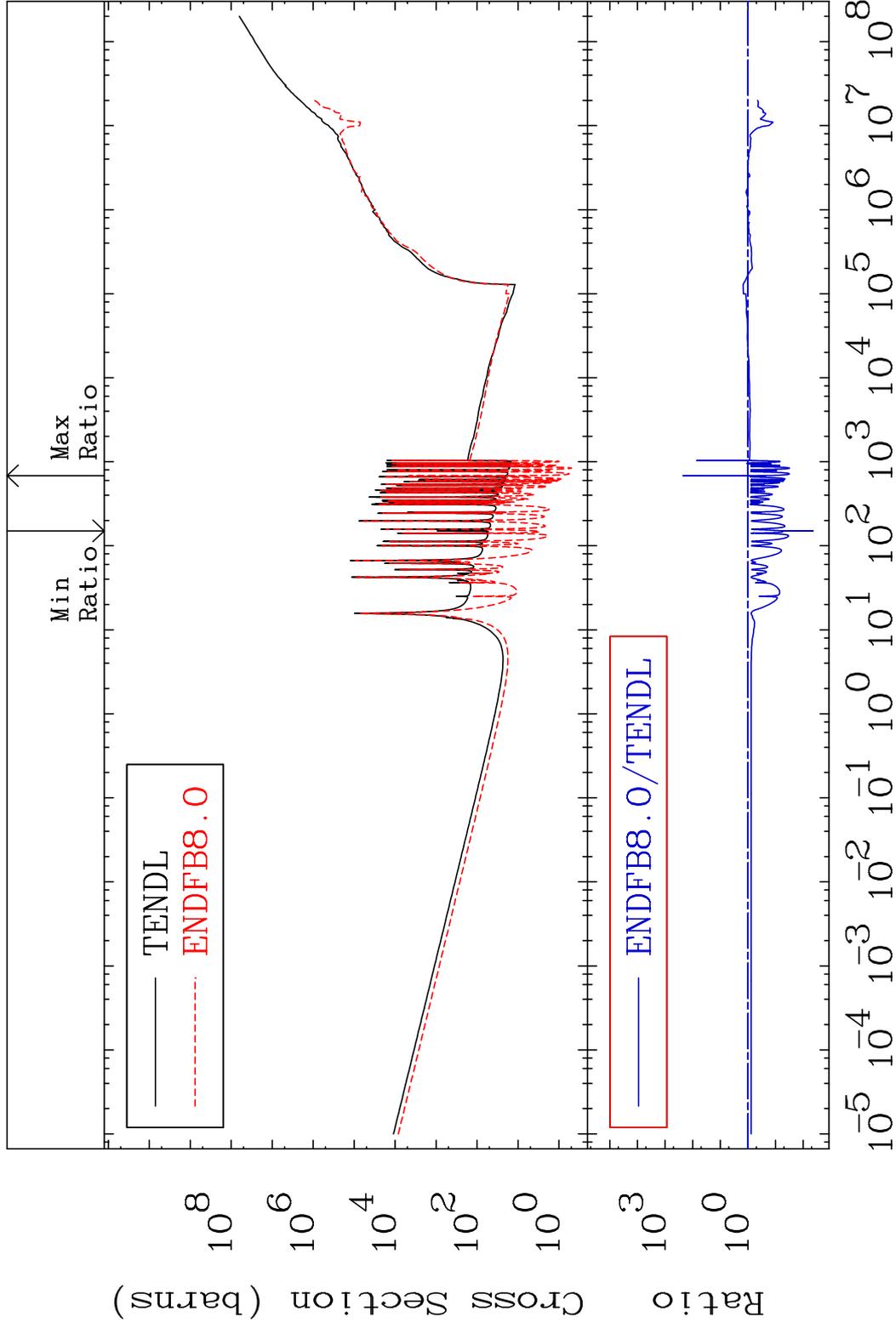
MAT 4440

Kerma elastic  
Cross Section -96.85 To 3909. %

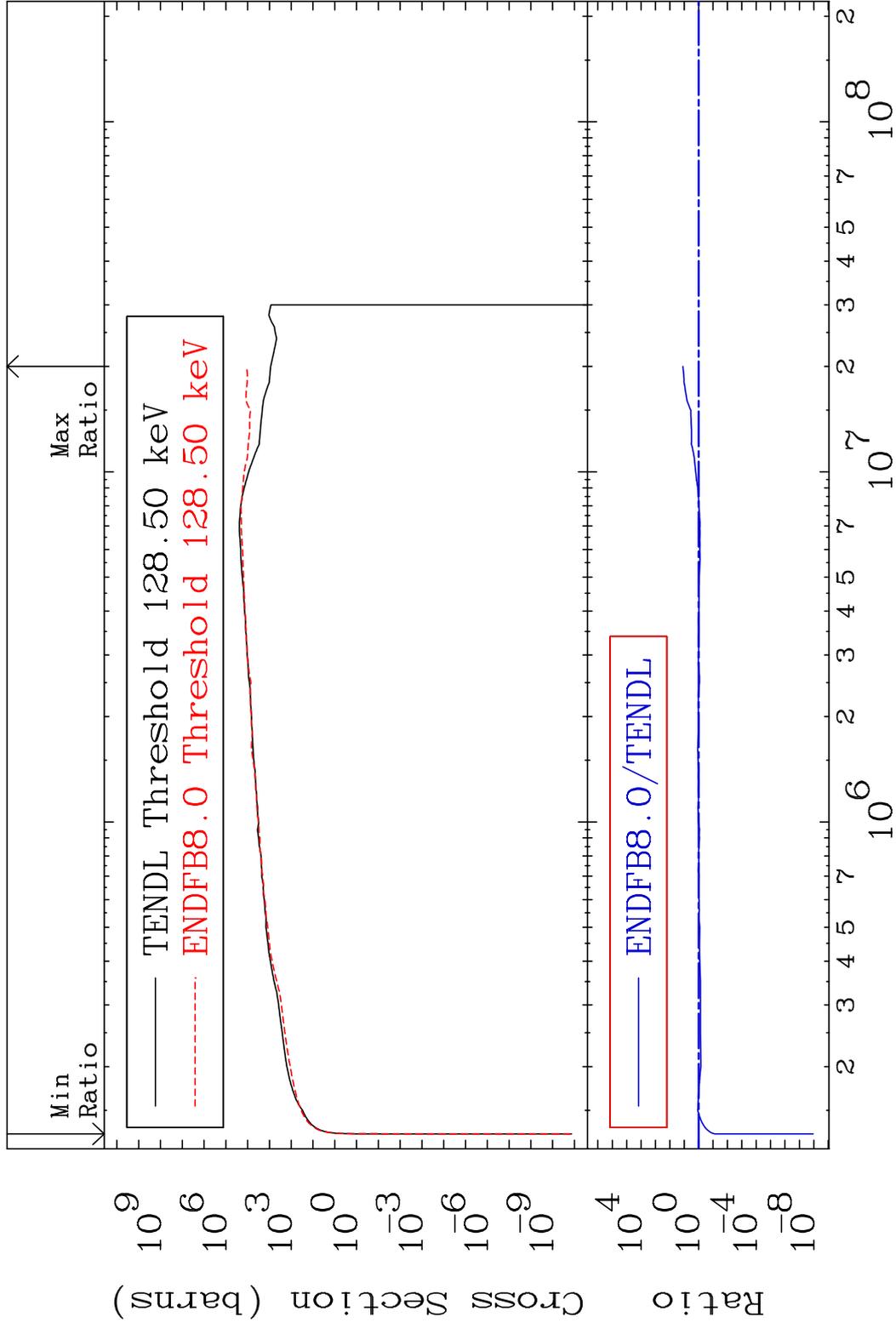
44-Ru-101



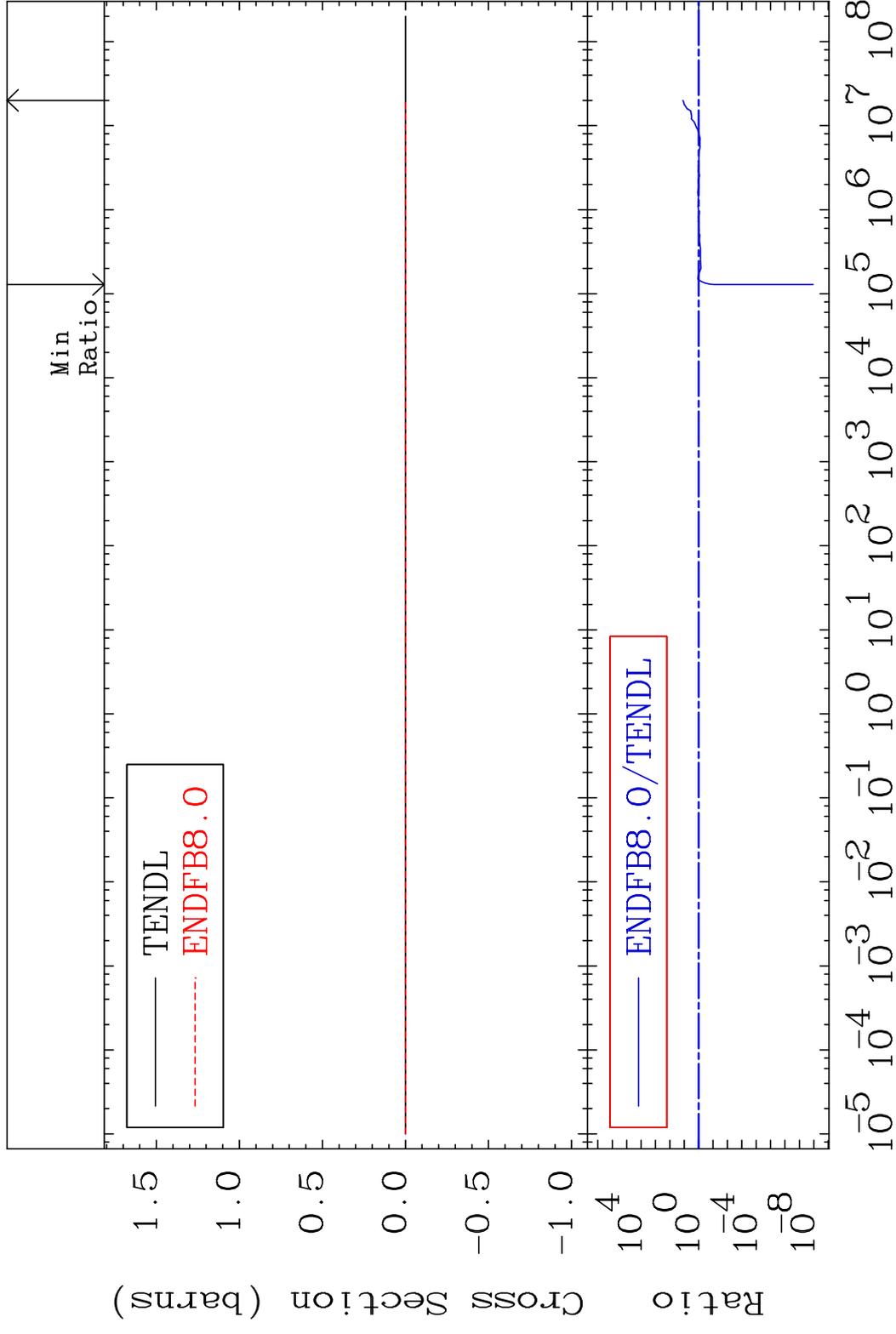
MAT 4440 Kerma non-elastic (all but mt2) 44-Ru-101  
 Cross Section -99.56 To 9999. %



MAT 4440 Kerma inelastic (mt51-91) 44-Ru-101  
 Cross Section -100.0 To 1149. %

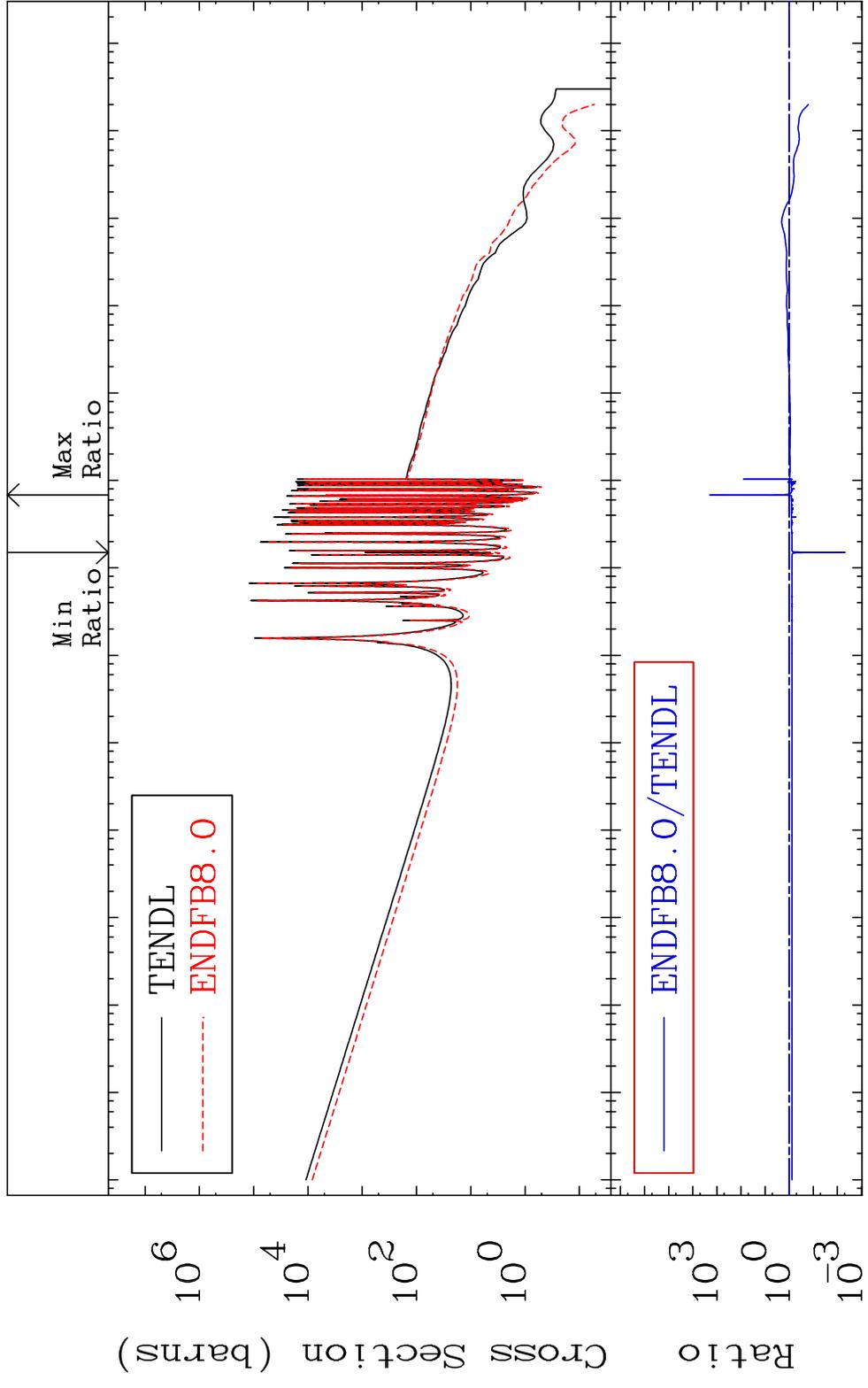


MAT 4440 Kerma fission (mt18 or mt19-20-21-38)4-Ru-101  
 Cross Section -100.0 To 1149. %

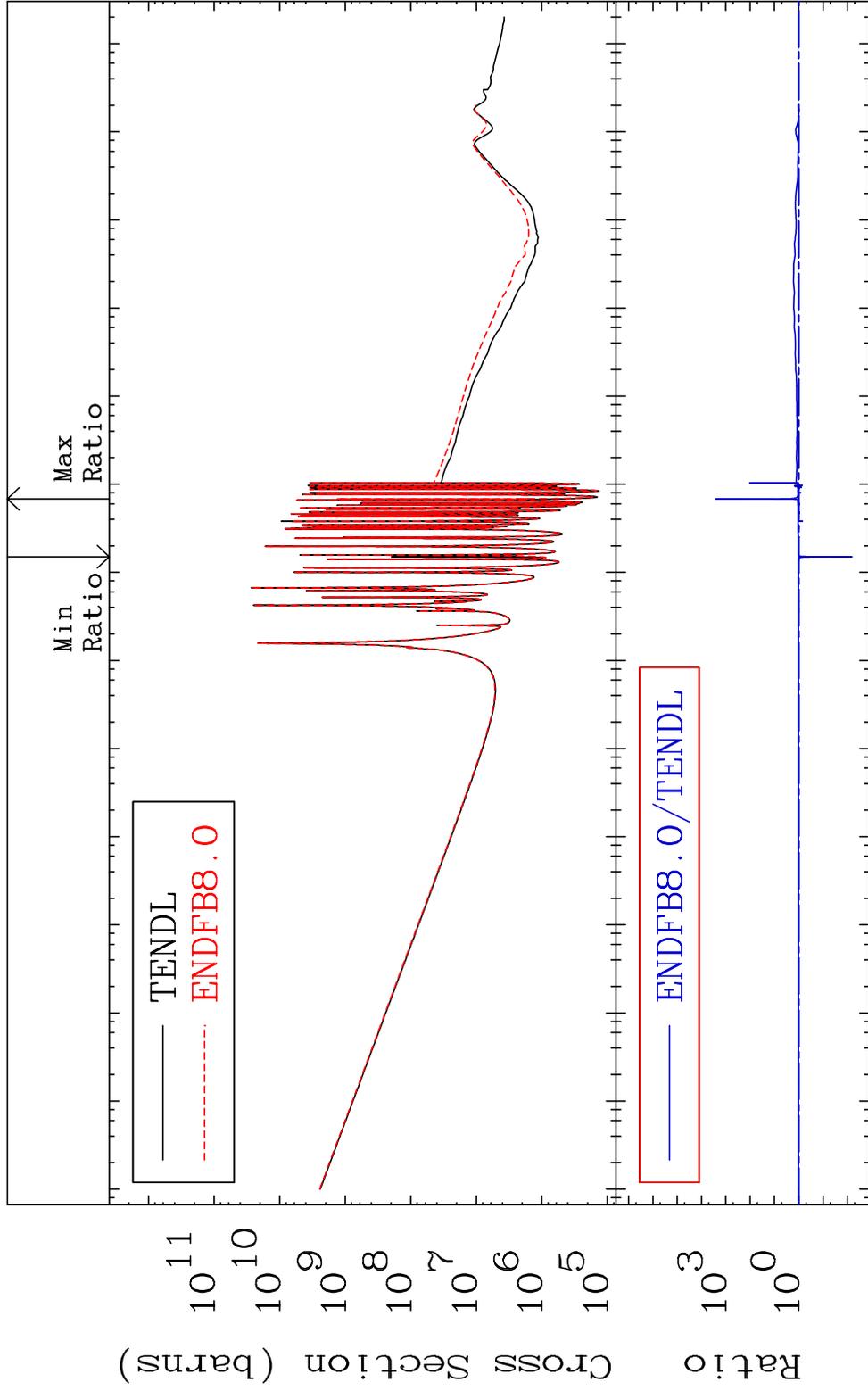


MAT 4440

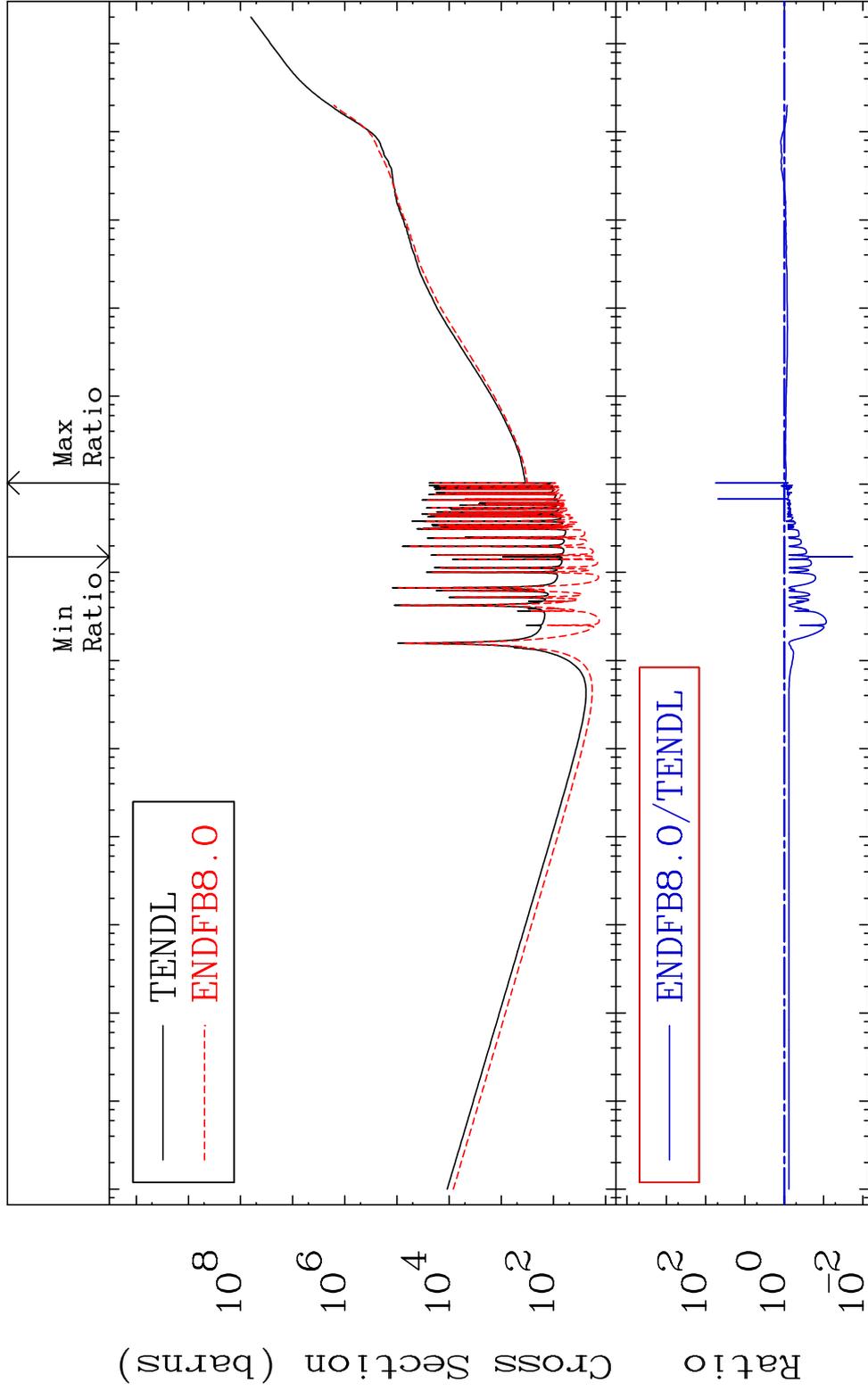
Kerma capture (mt102) 44-Ru-101  
Cross Section -99.54 To 9999. %



MAT 4440 Total photon (eV-barns) 44-Ru-101  
 Cross Section -99.39 To 9999. %

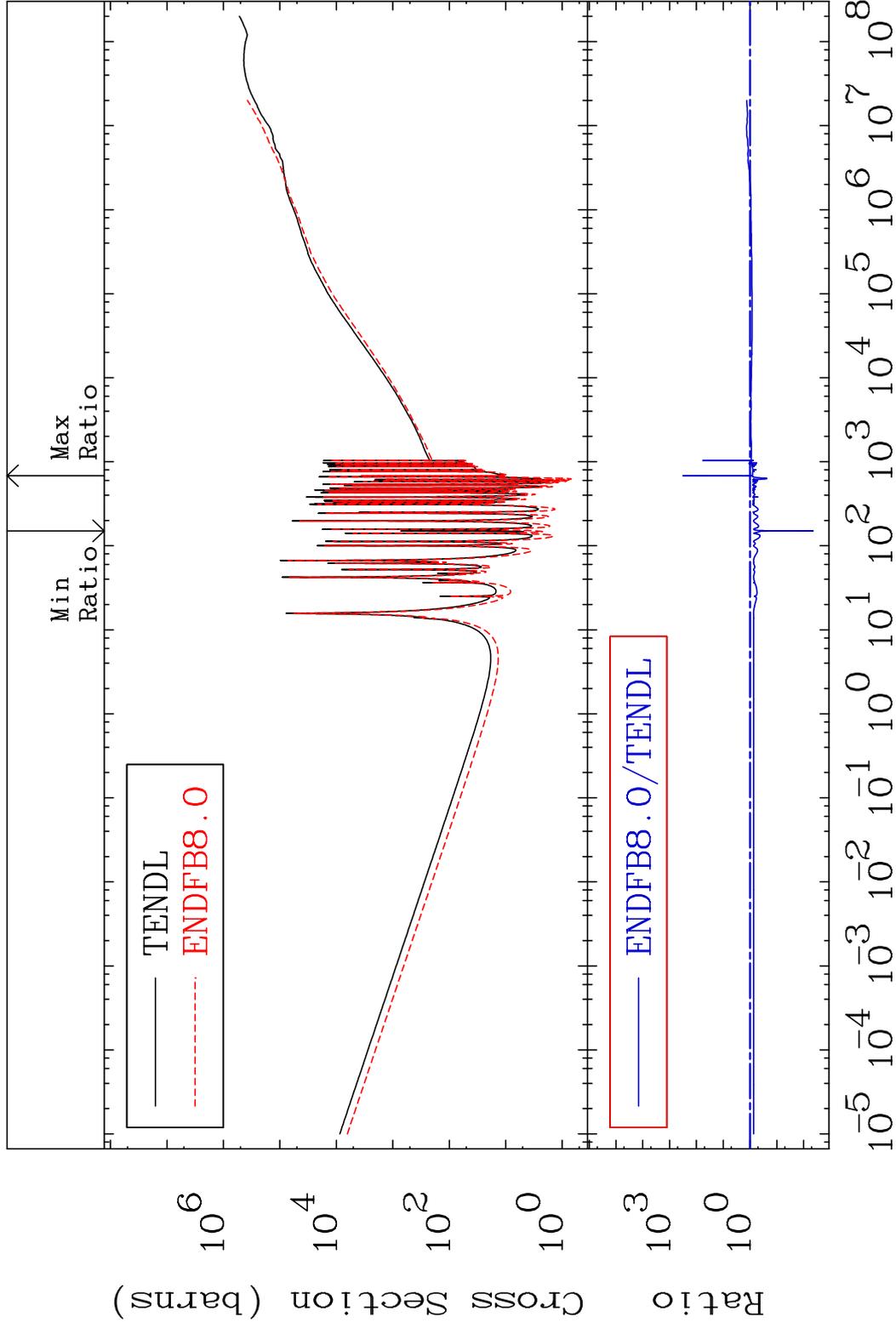


MAT 4440 Total kinematic kerma (high limit) 44-Ru-101  
 Cross Section -98.16 To 5391. %



40 Incident Energy (eV) 44-Ru-101

MAT 4440      Dpa total (eV-barns)      44-Ru-101  
 Cross Section      -99.56 To 9999. %

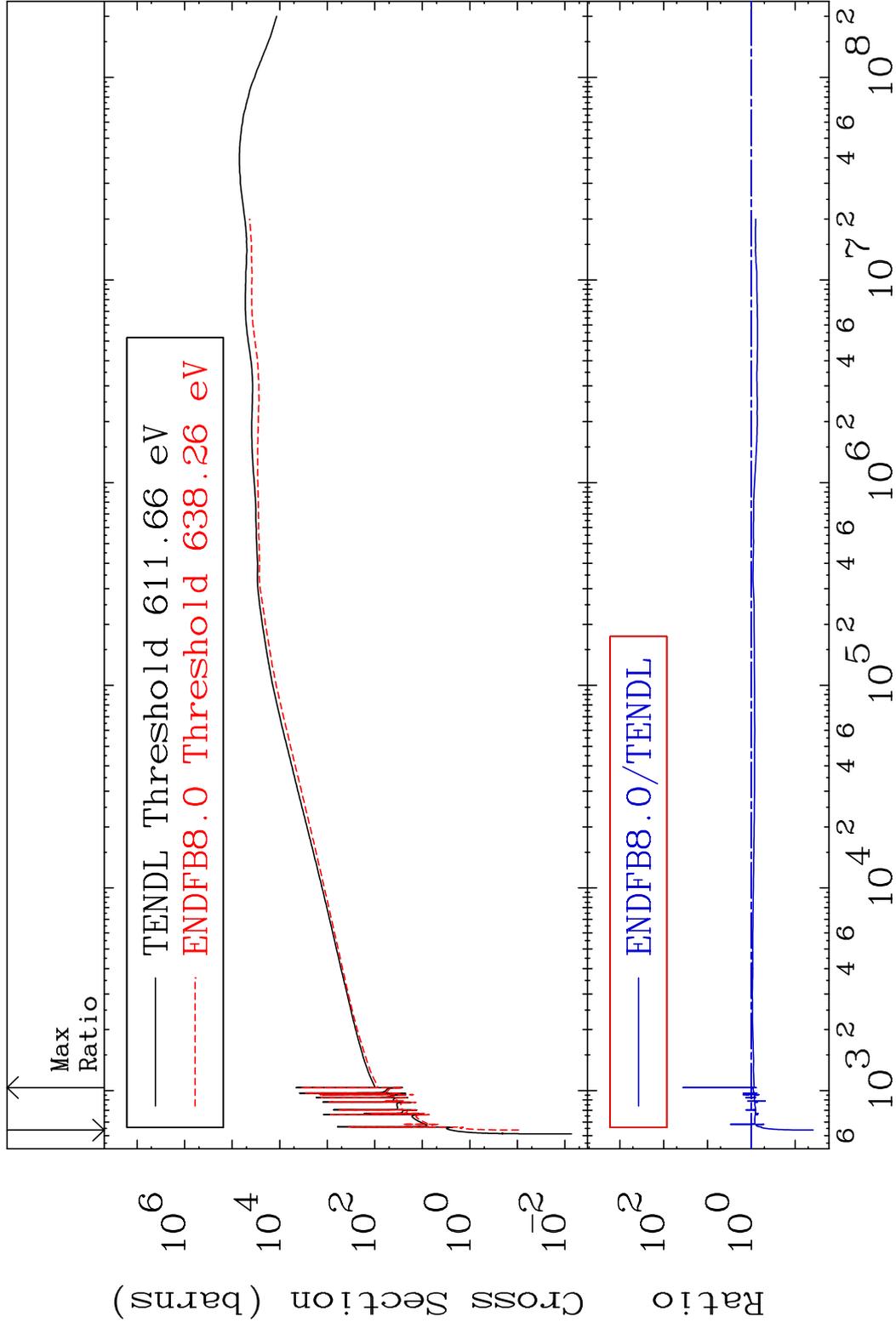


MAT 4440

Dpa elastic (mt2)

44-Ru-101

Cross Section -96.13 To 3542. %

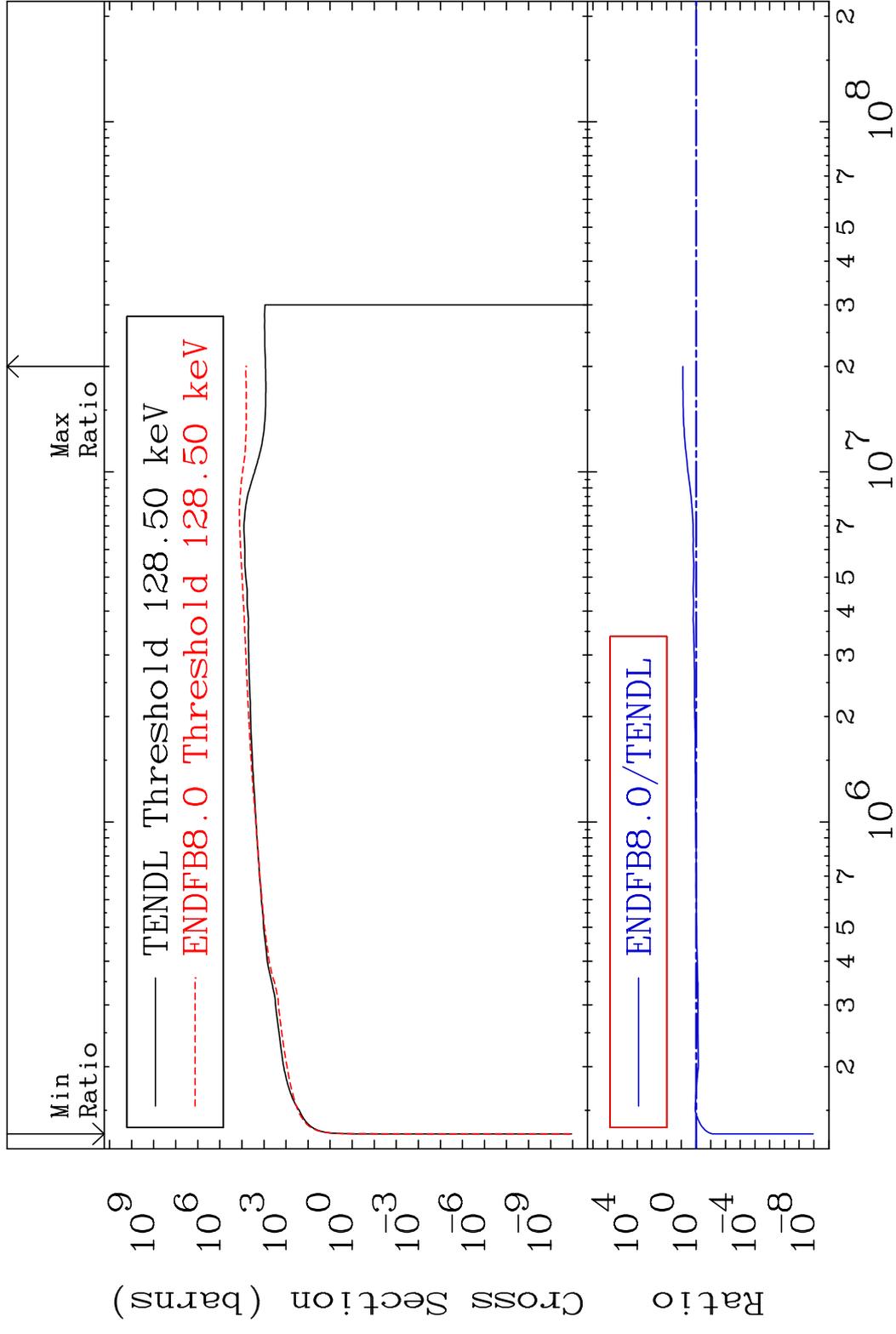


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Incident Energy (eV)

44-Ru-101

MAT 4440 Dpa inelastic (mt51-91) 44-Ru-101  
 Cross Section -100.0 To 688.1 %



MAT 4440 Dpa disappearance (mt102 -120) 44-Ru-101  
 Cross Section -99.56 To 9999. %

