

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

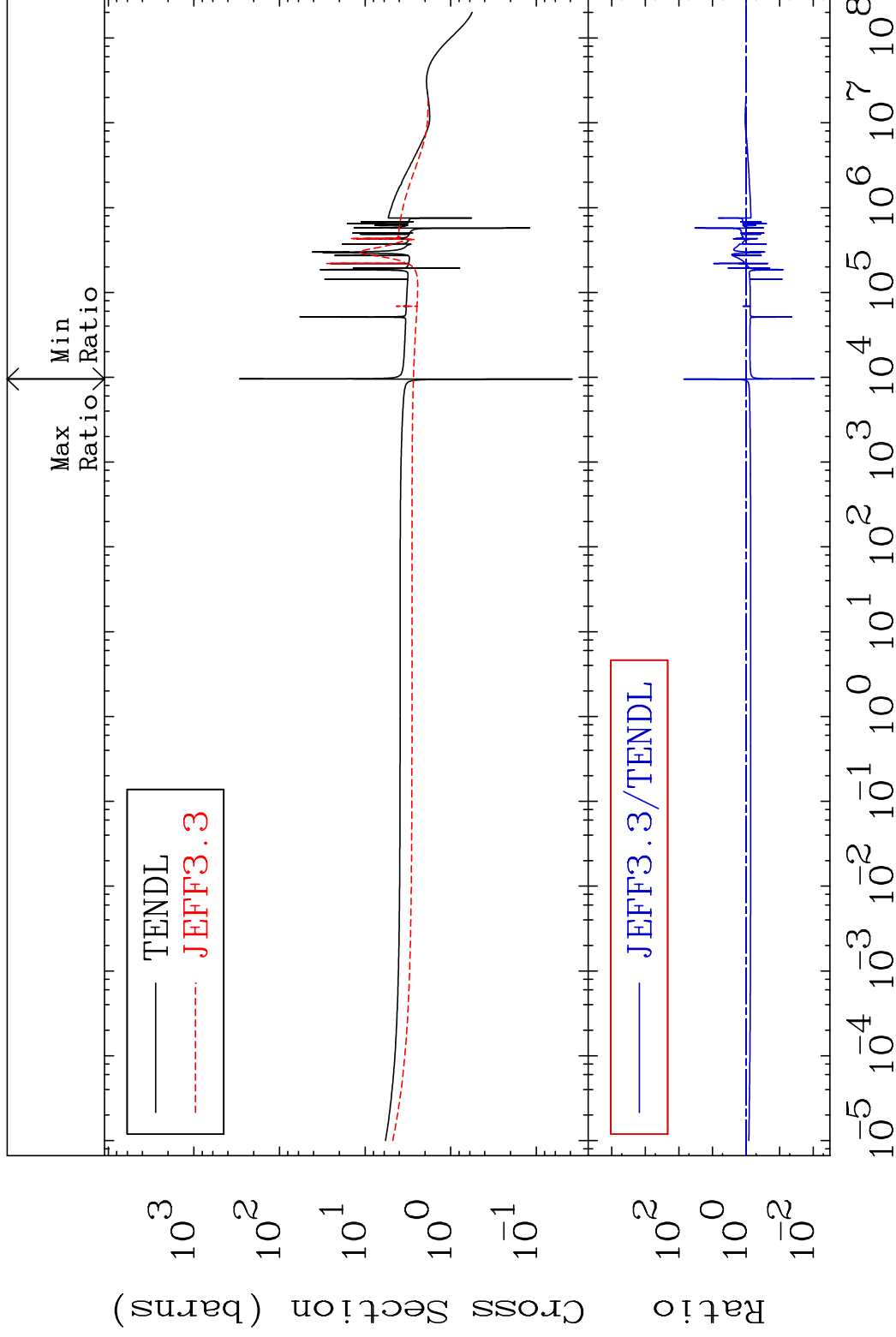
MAT 1231

Total

12-Mg-26

Cross Section

-99.06 To 7074. %



1

Incident Energy (eV)

12-Mg-26

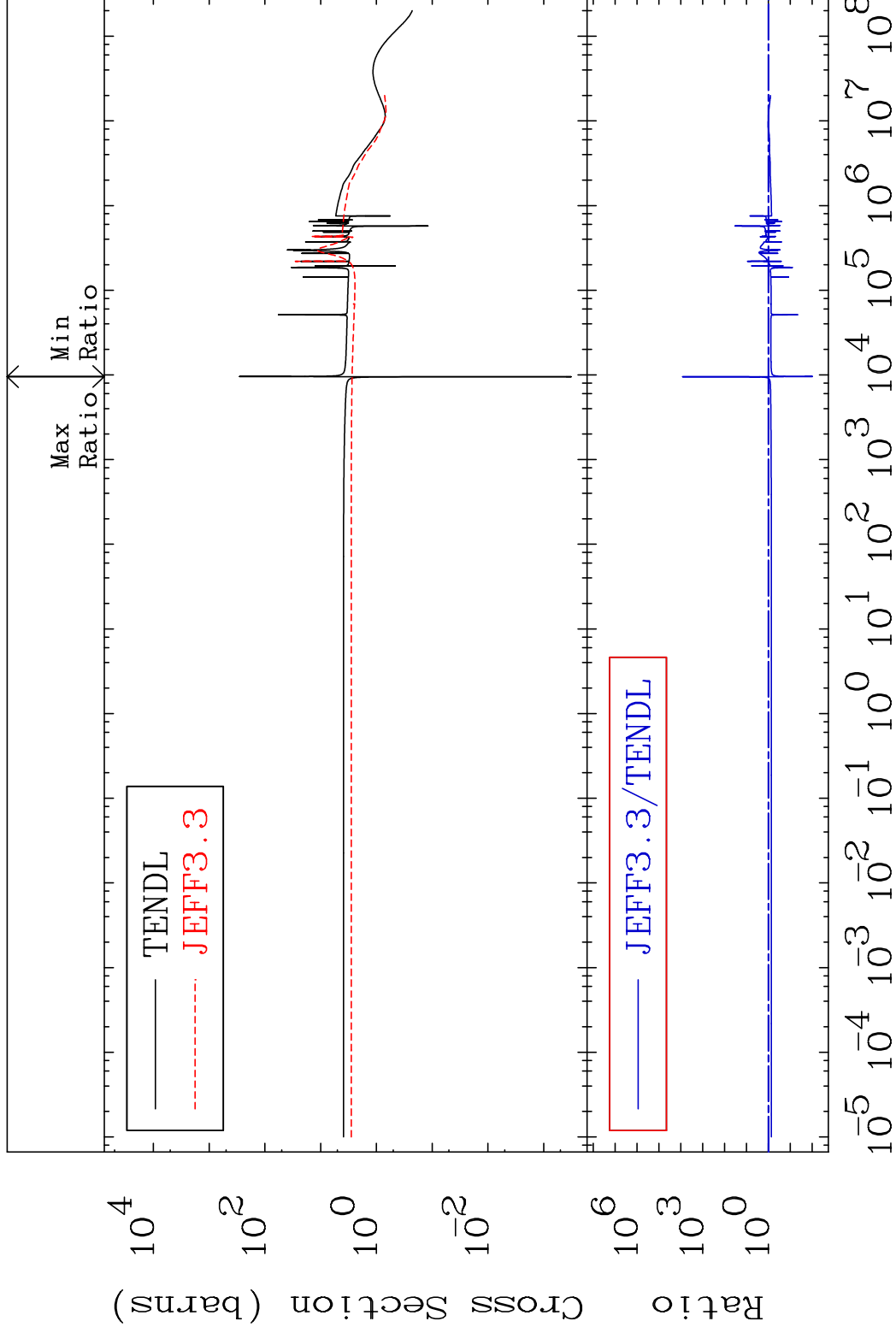
MAT 1231

Elastic

<sup>12</sup>Mg-26

Cross Section

-99.05 To 9999. %



2

Incident Energy (eV)

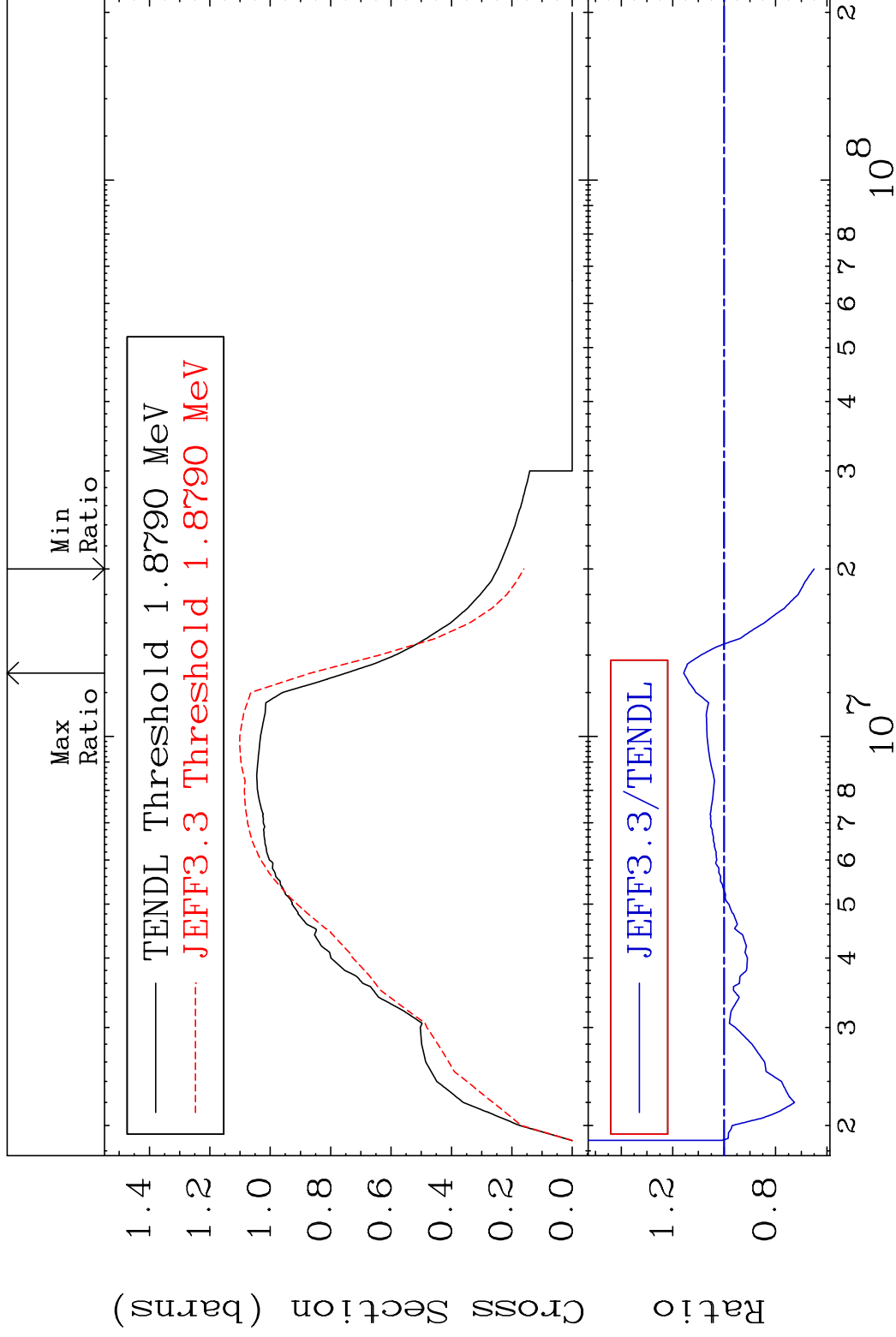
<sup>12</sup>Mg-26

MAT 1231

Inelastic

<sup>12</sup>Mg-26

Cross Section -34.97 To 15.74 %



3

Incident Energy (eV)

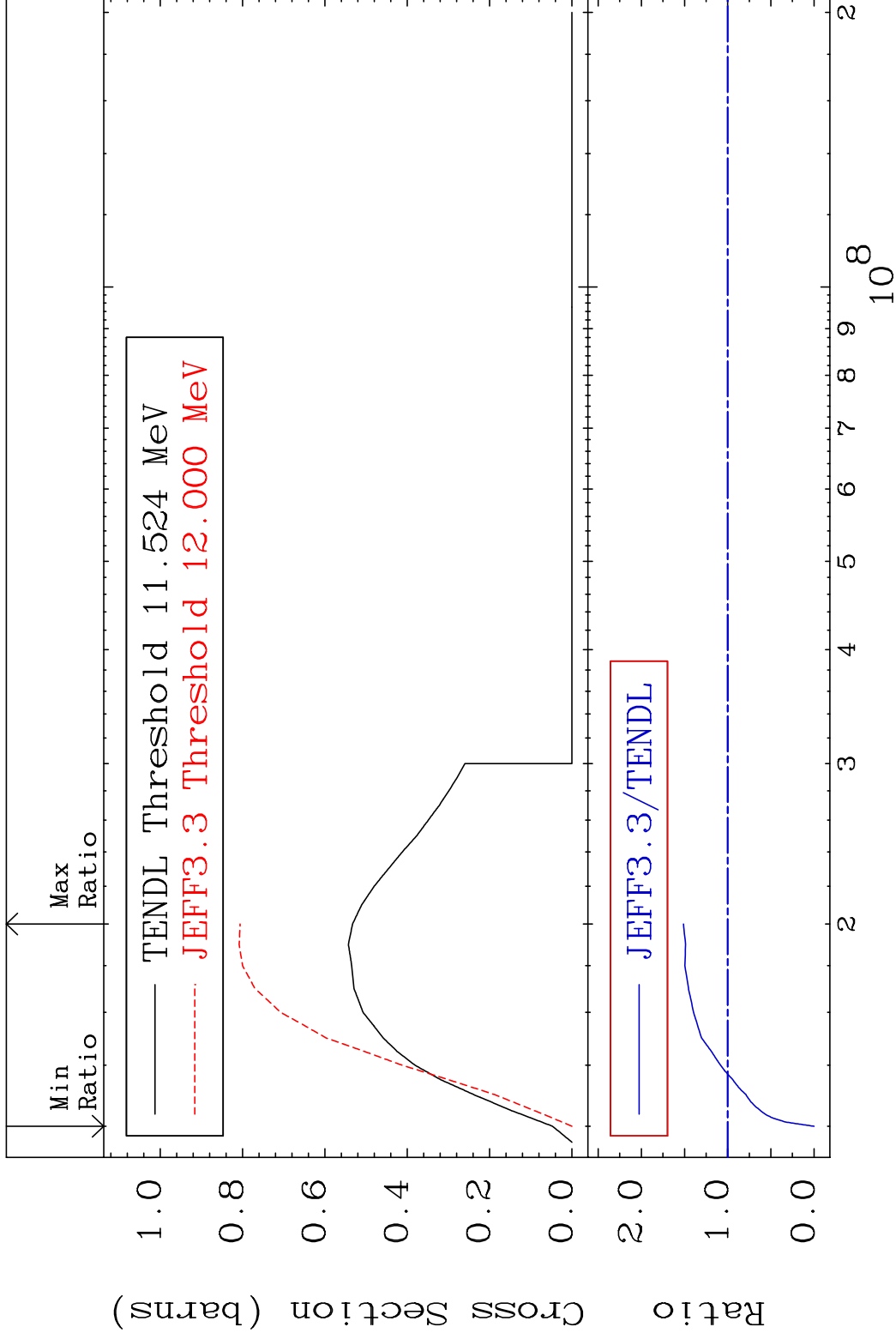
<sup>12</sup>Mg-26

MAT 1231

(n,2n)

<sup>12</sup>Mg-26

Cross Section -100.0 To 51.24 %



4

Incident Energy (eV)

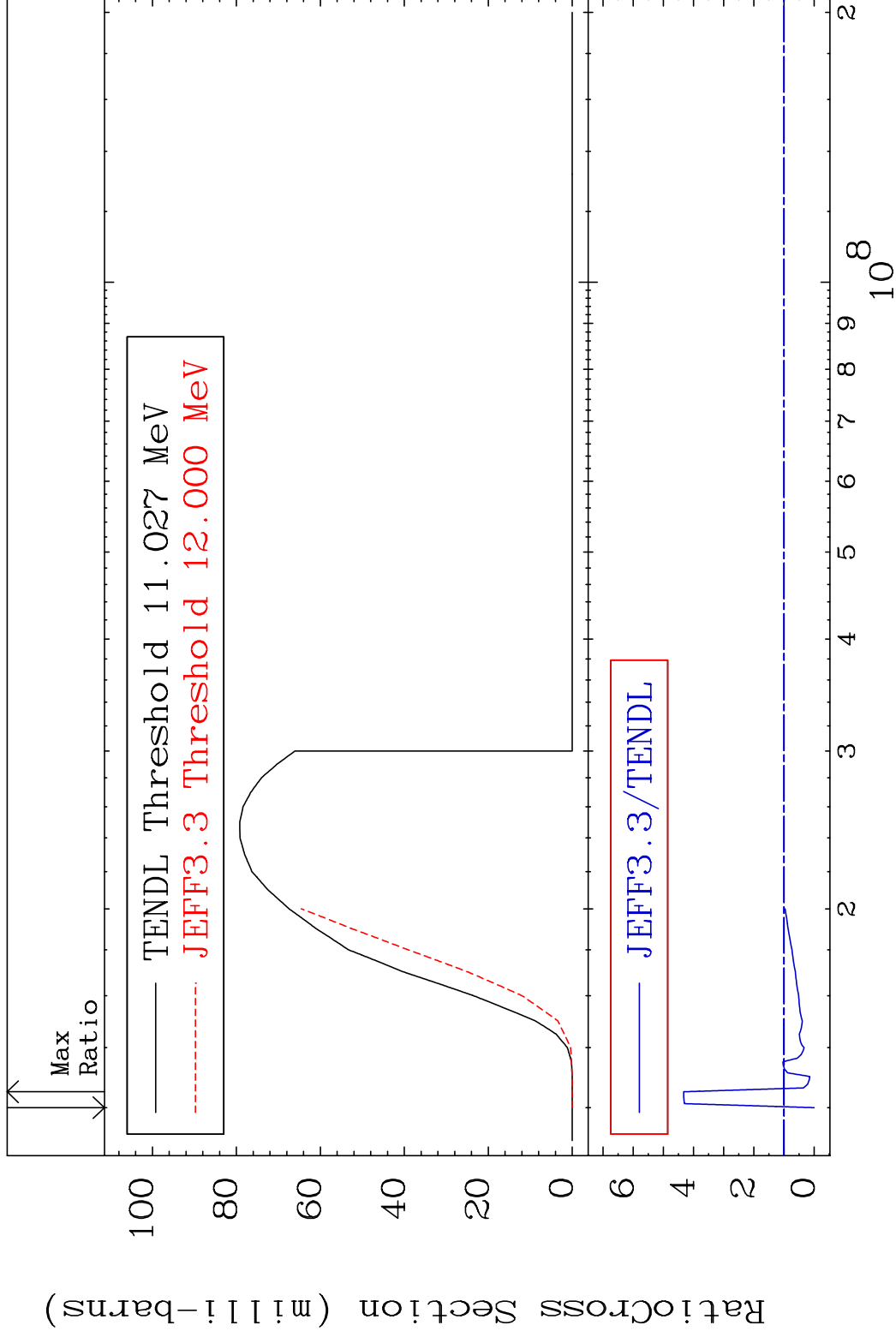
<sup>12</sup>Mg-26

MAT 1231

(n, n')  $\alpha$

12-Mg-26

Cross Section -100.0 To 332.5 %



5

Incident Energy (eV)

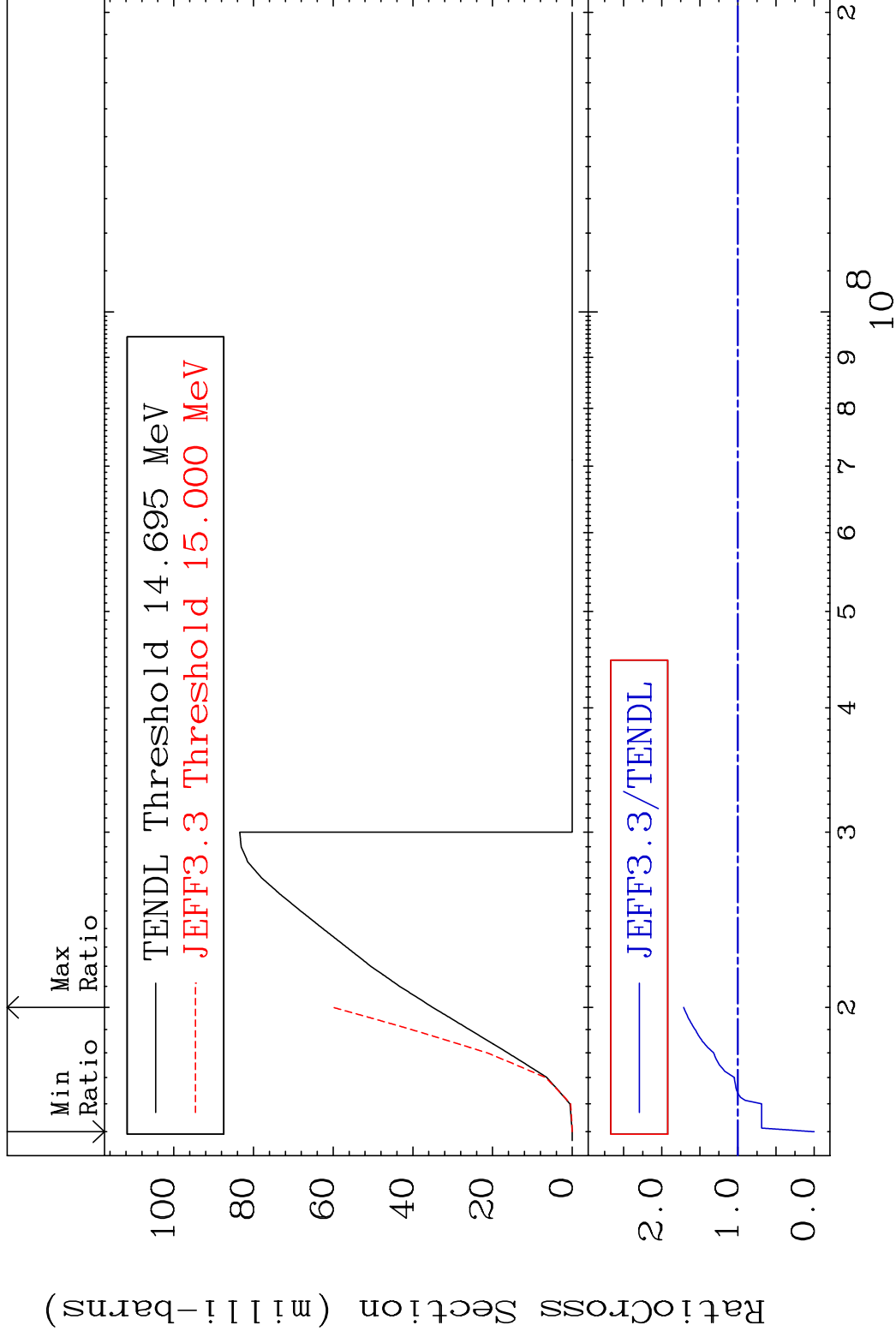
12-Mg-26

MAT 1231

(n, n') p

12-Mg-26

Cross Section -100.0 To 71.24 %

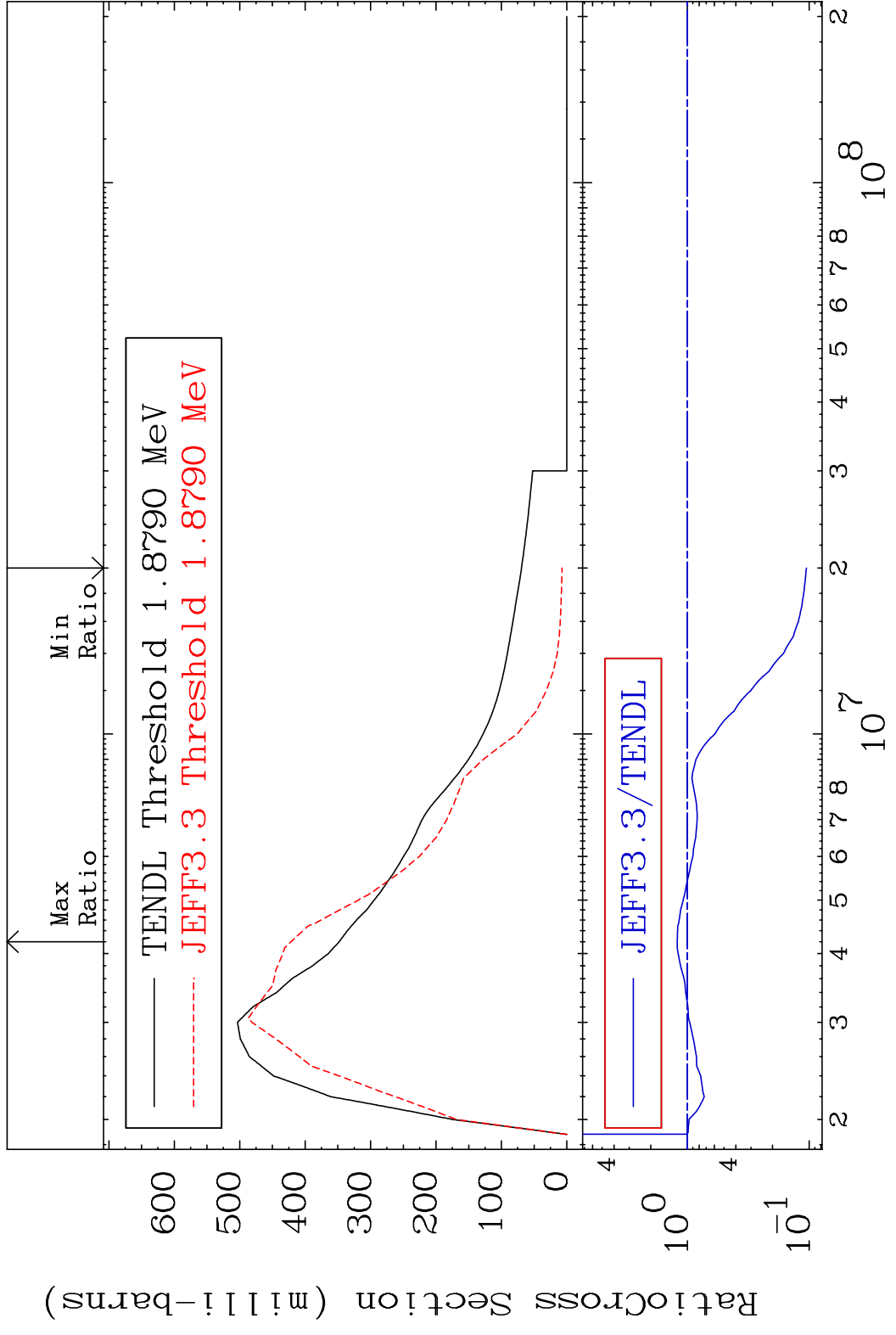


6

Incident Energy (eV)

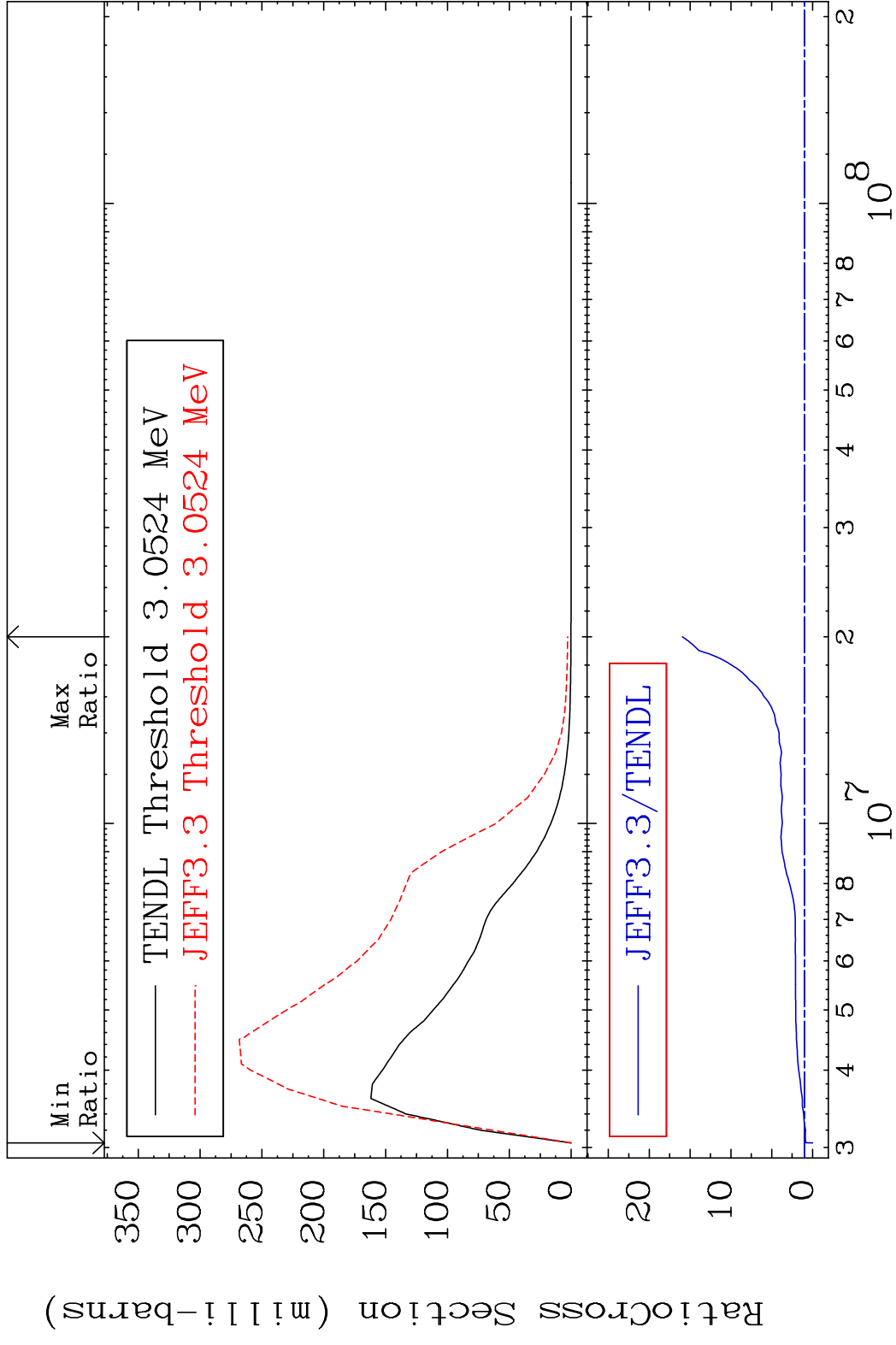
12-Mg-26

MAT 1231 MT= 51 (n, n') Level 12-Mg-26  
 Cross Section -89.46 To 21.15 %



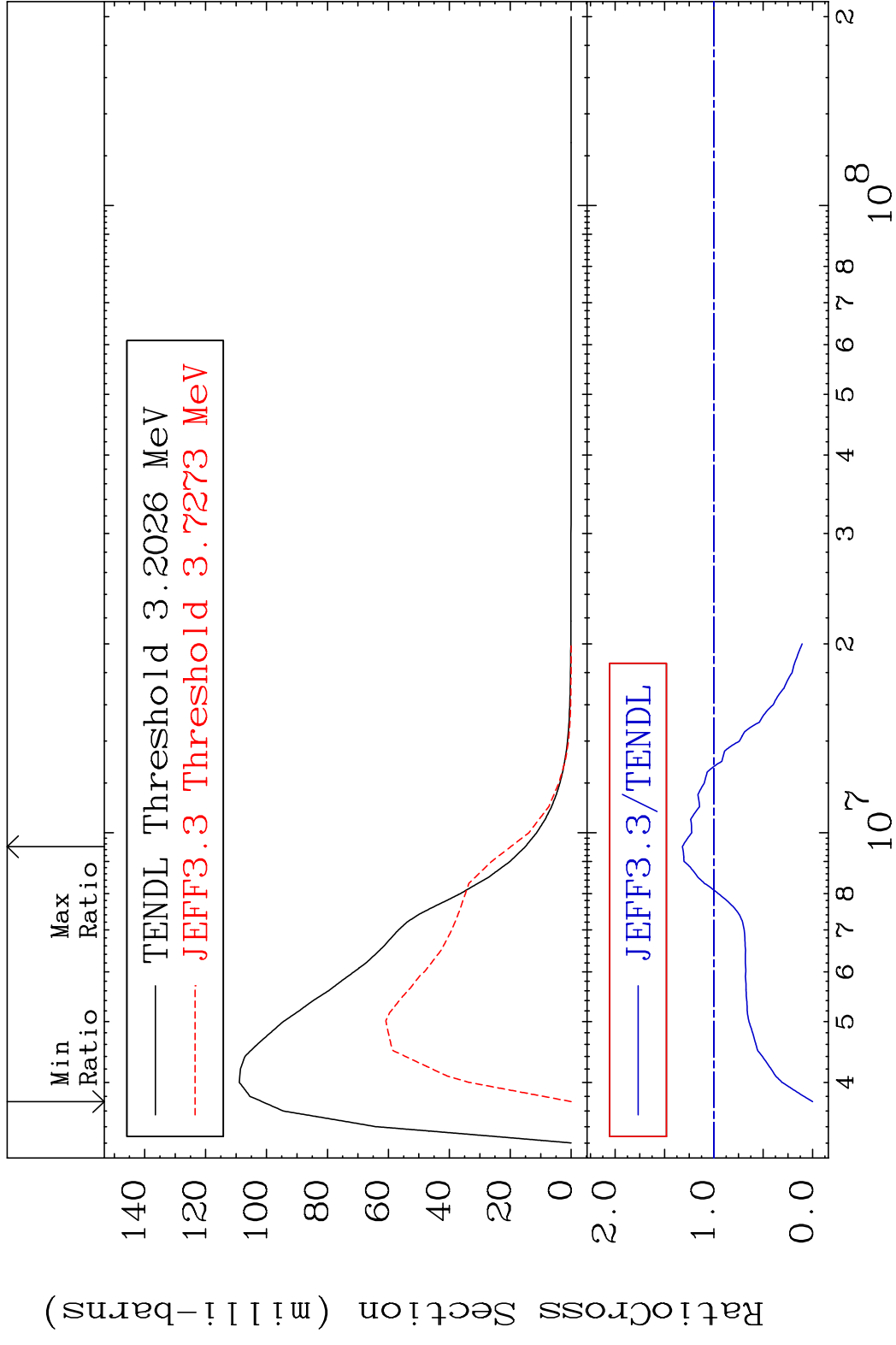


MAT 1231 MT= 52 (n, n') Level 12-Mg-26  
 Cross Section -100.0 To 1494. %



8 8 Incident Energy (eV) 12-Mg-26

MAT 1231 MT= 53 (n, n') Level 12-Mg-26  
 Cross Section -100.0 To 31.91 %

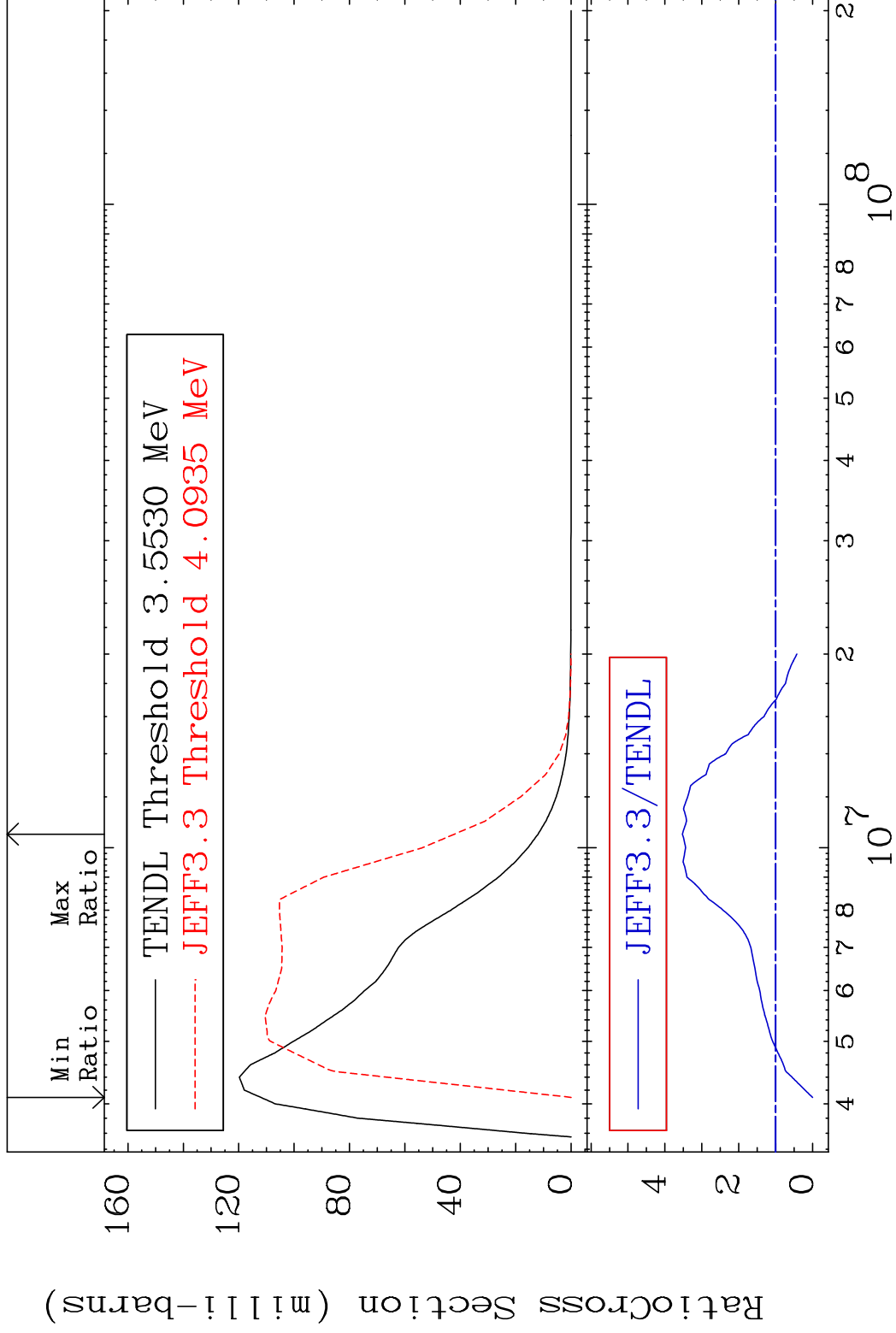


MAT 1231

MT= 54 (n, n') Level

12-Mg-26

Cross Section -100.0 To 252.7 %

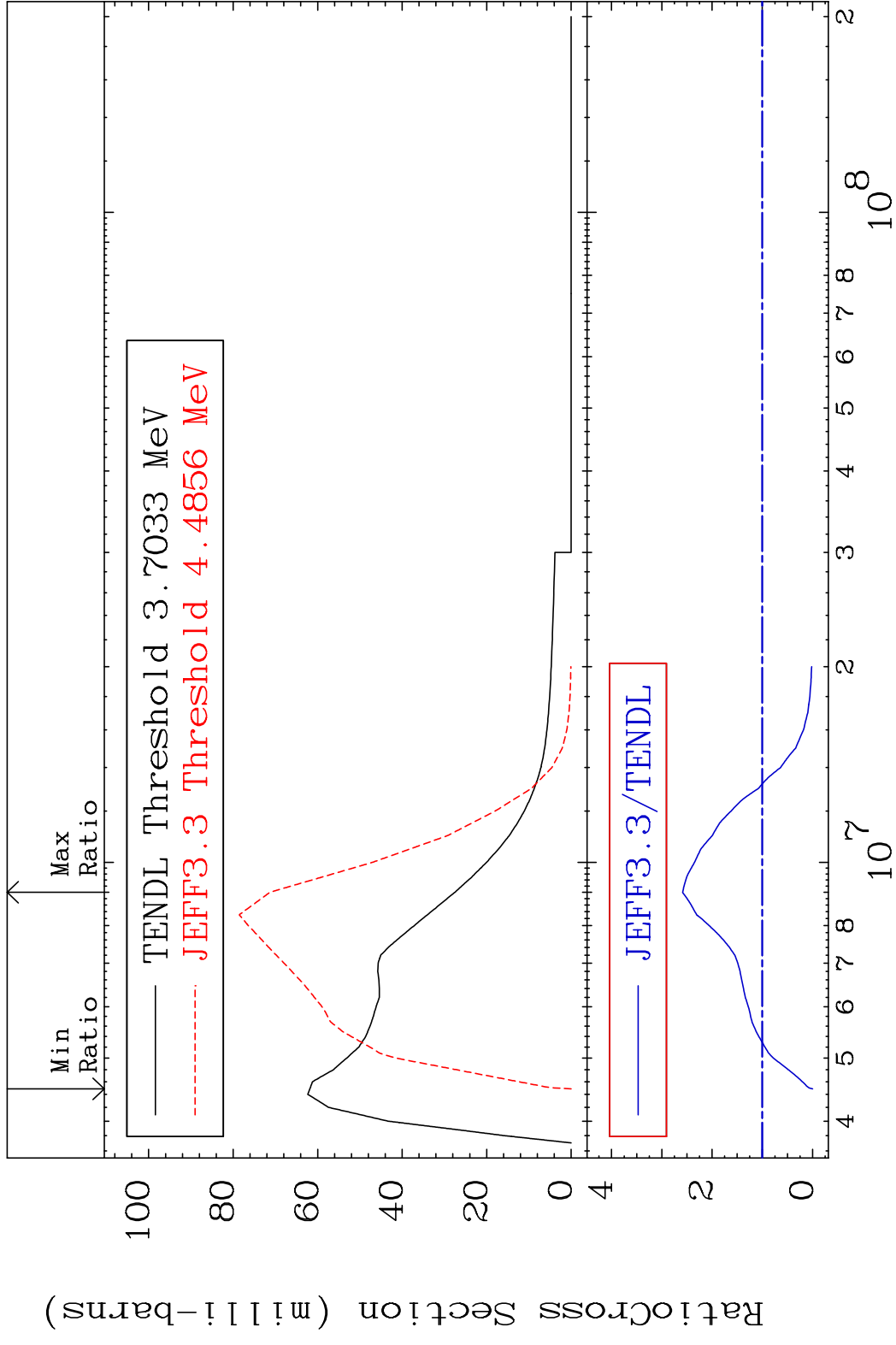


10

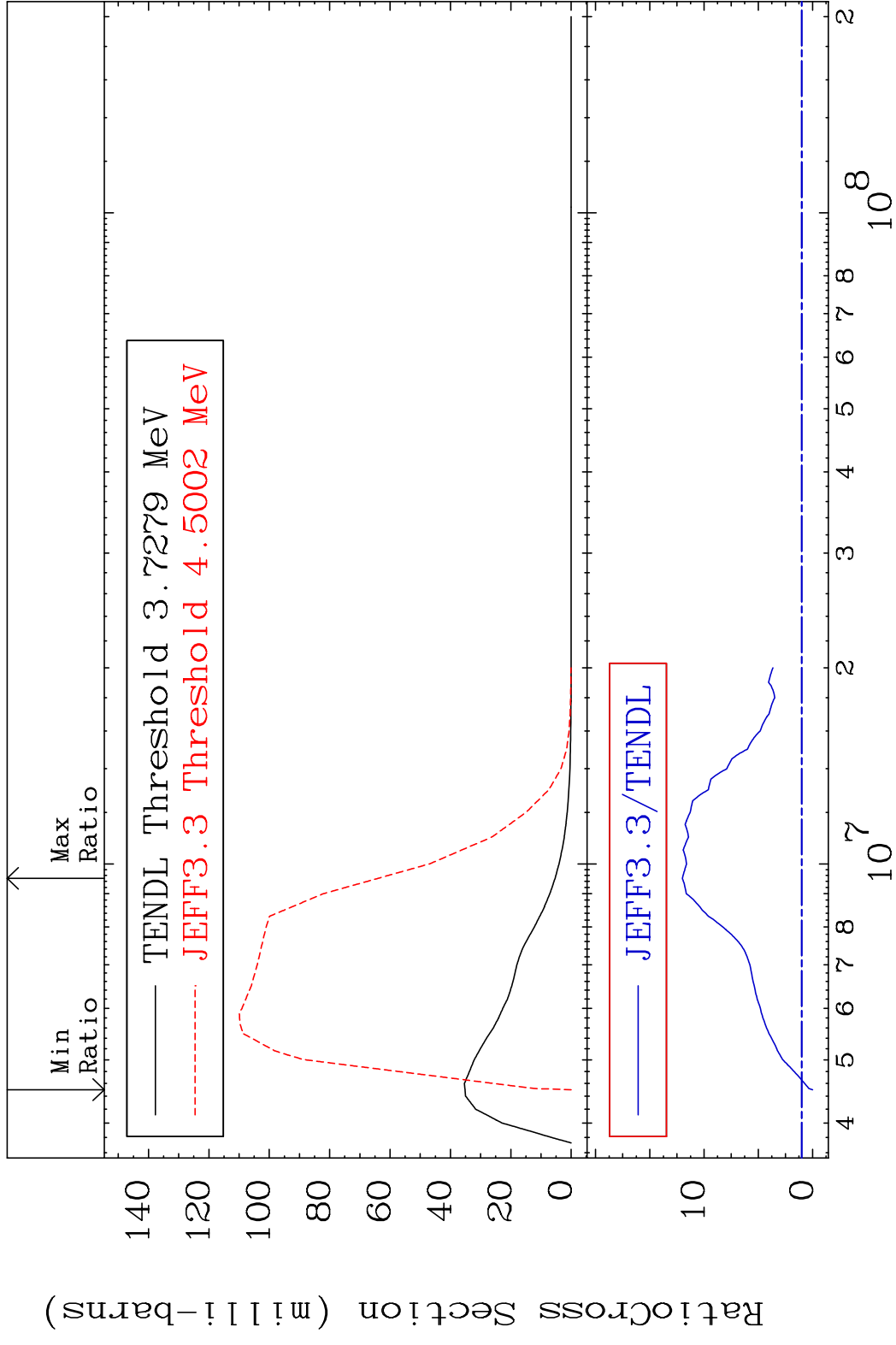
Incident Energy (eV)

12-Mg-26

MAT 1231 MT= 55 (n, n') Level 12-Mg-26  
 Cross Section -100.0 To 159.1 %



MAT 1231 MT= 56 (n,n') Level 12-Mg-26  
 Cross Section -100.0 To 1100. %



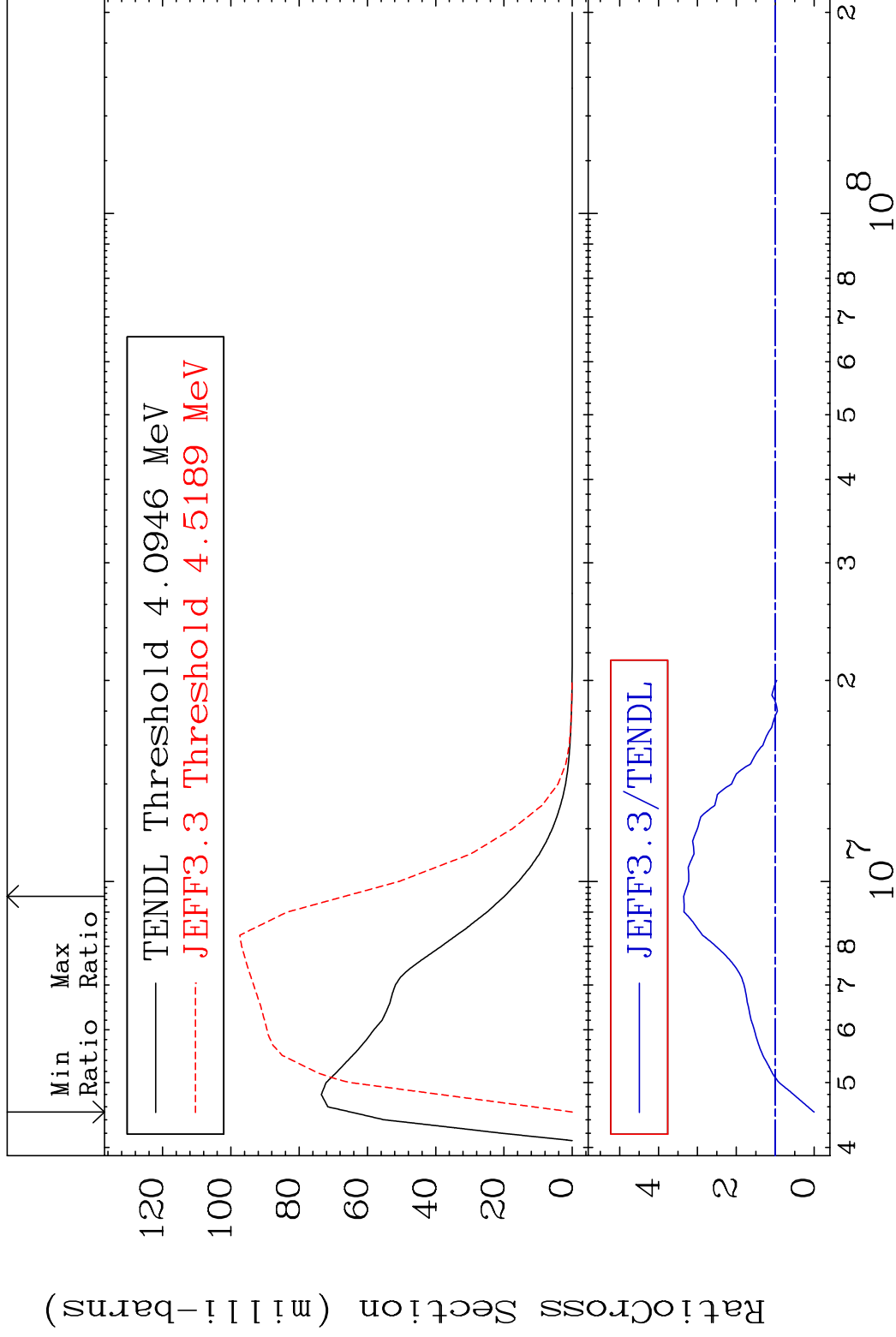
12 Incident Energy (eV) 12-Mg-26

MAT 1231

MT= 57 (n, n') Level

12-Mg-26

Cross Section -100.0 To 235.5 %

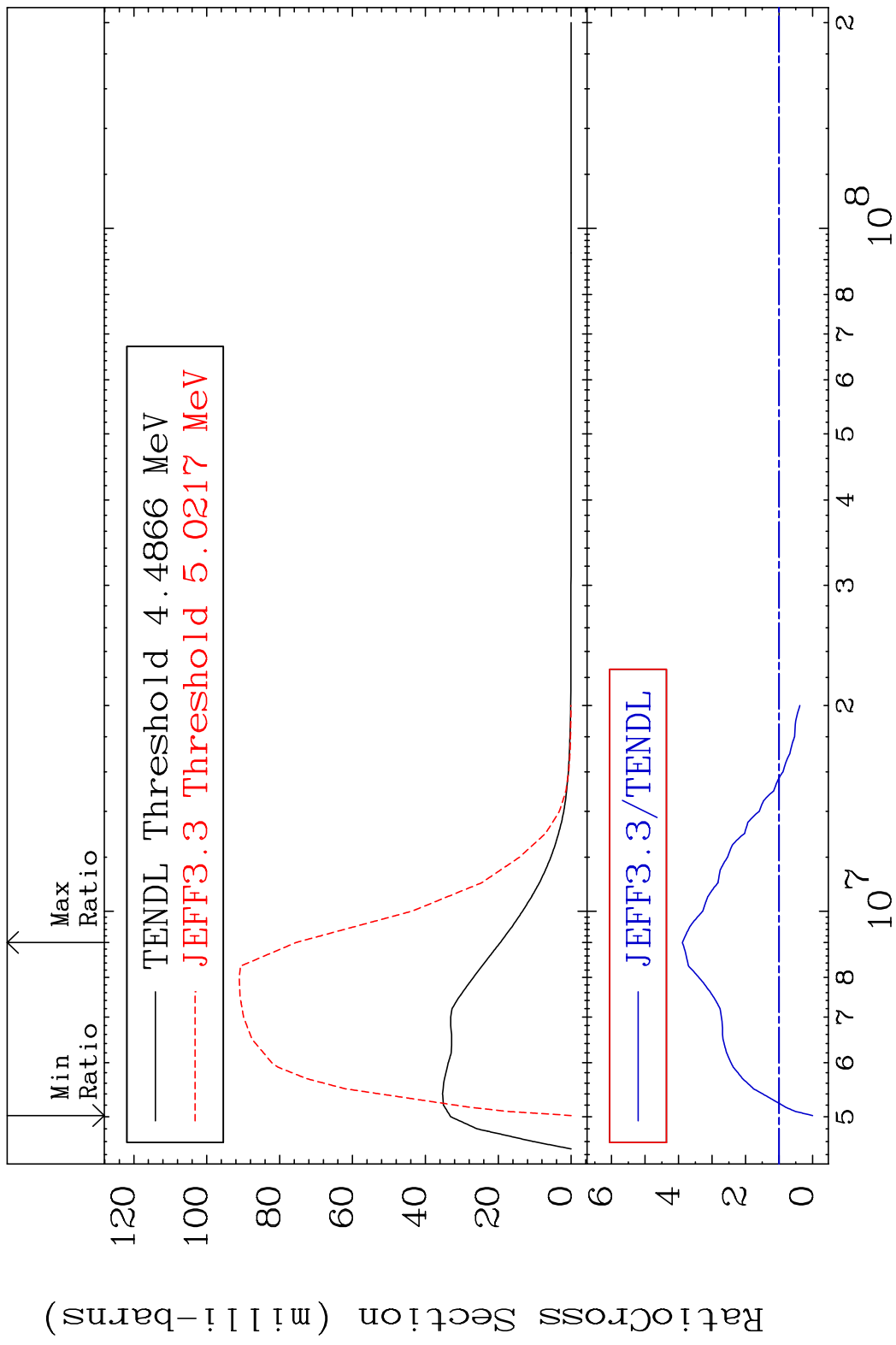


13

Incident Energy (eV)

12-Mg-26

MAT 1231 MT= 58 (n,n') Level 12-Mg-26  
 Cross Section -100.0 To 288.7 %

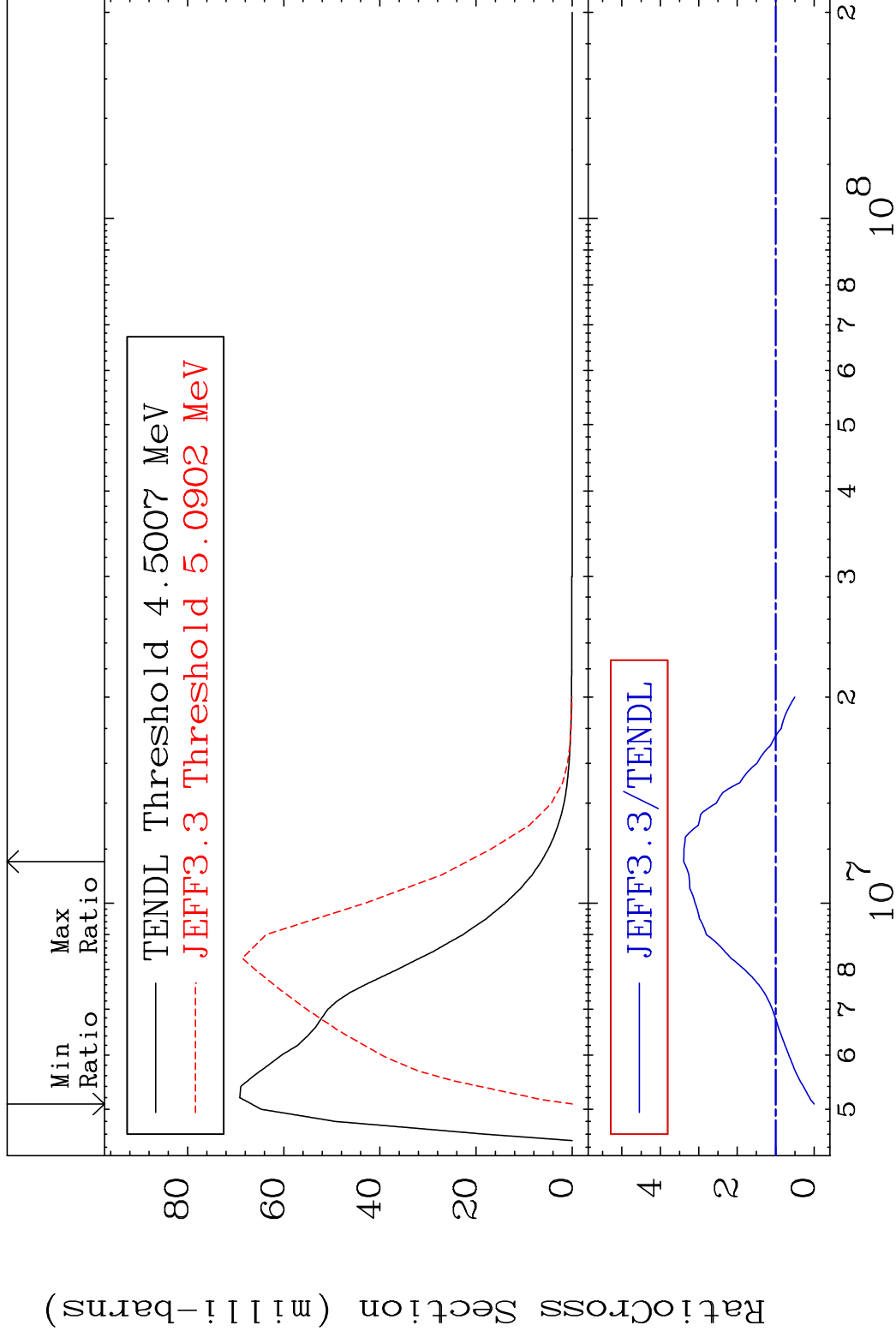


MAT 1231

MT= 59 (n, n') Level

12-Mg-26

Cross Section -100.0 To 239.3 %



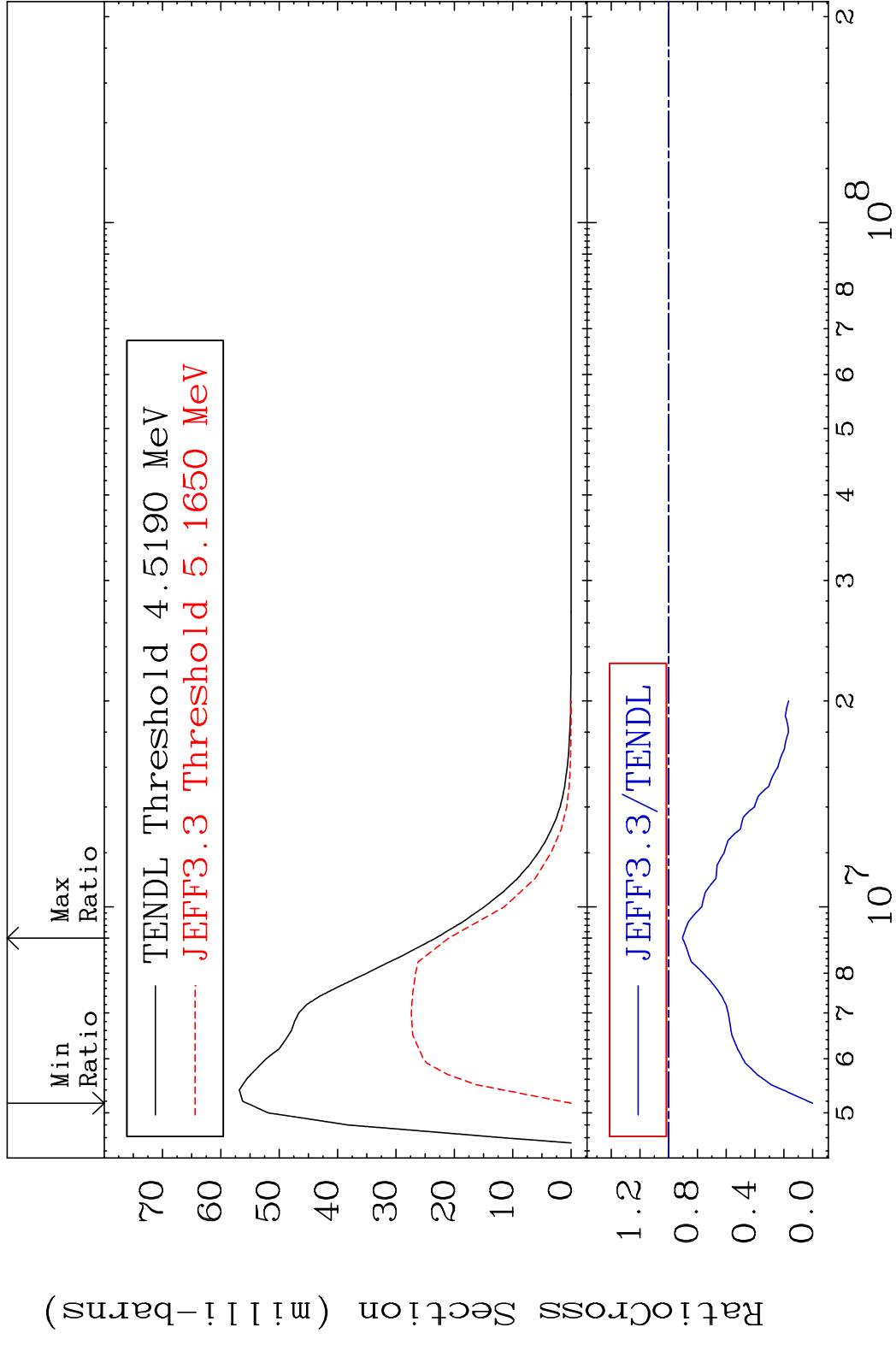
15

Incident Energy (eV)

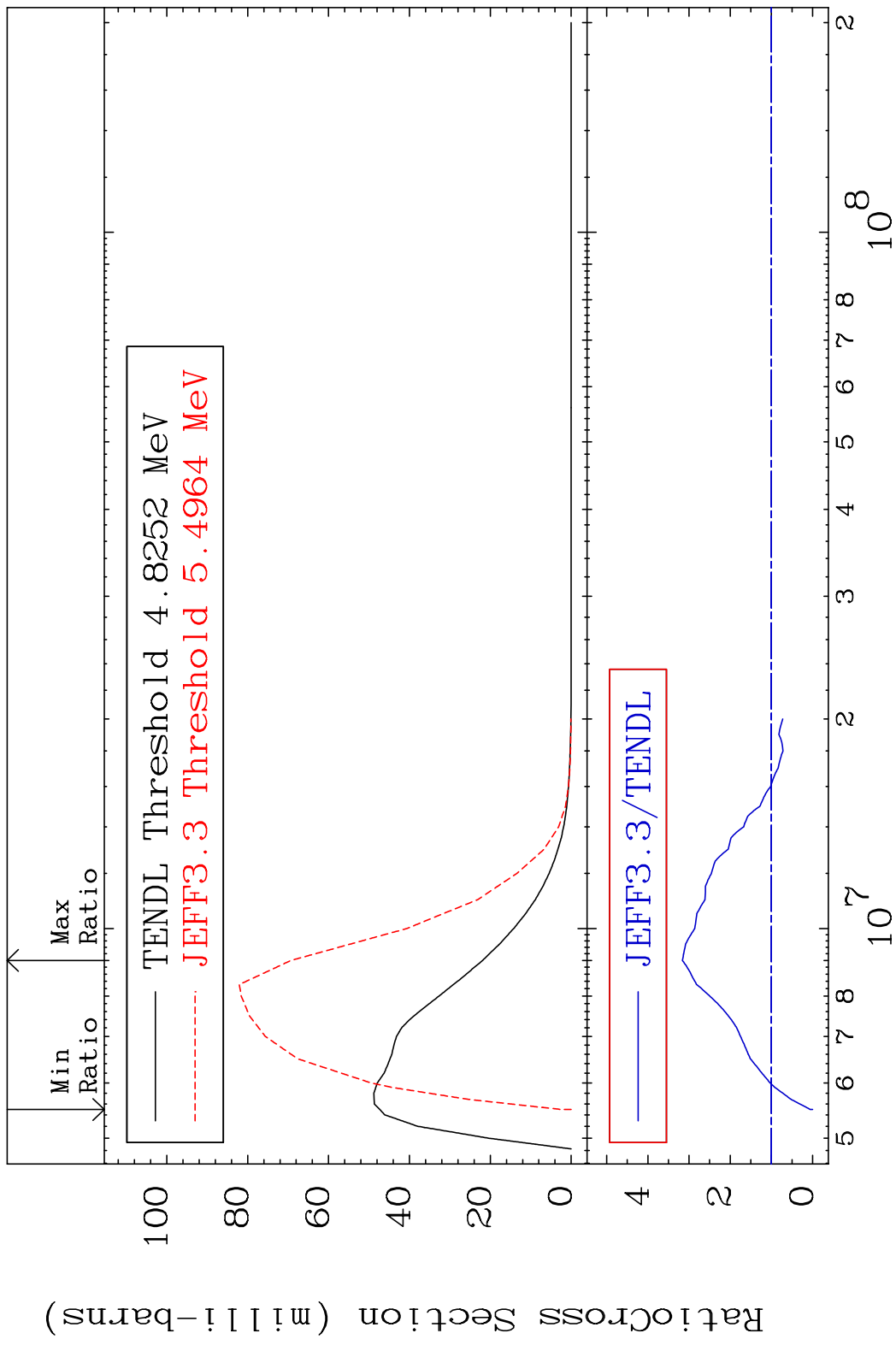
12-Mg-26



MAT 1231 MT= 60 (n, n') Level 12-Mg-26  
 Cross Section -100.0 To -9.480%



MAT 1231 MT= 61 (n, n') Level 12-Mg-26  
 Cross Section -100.0 To 216.3 %



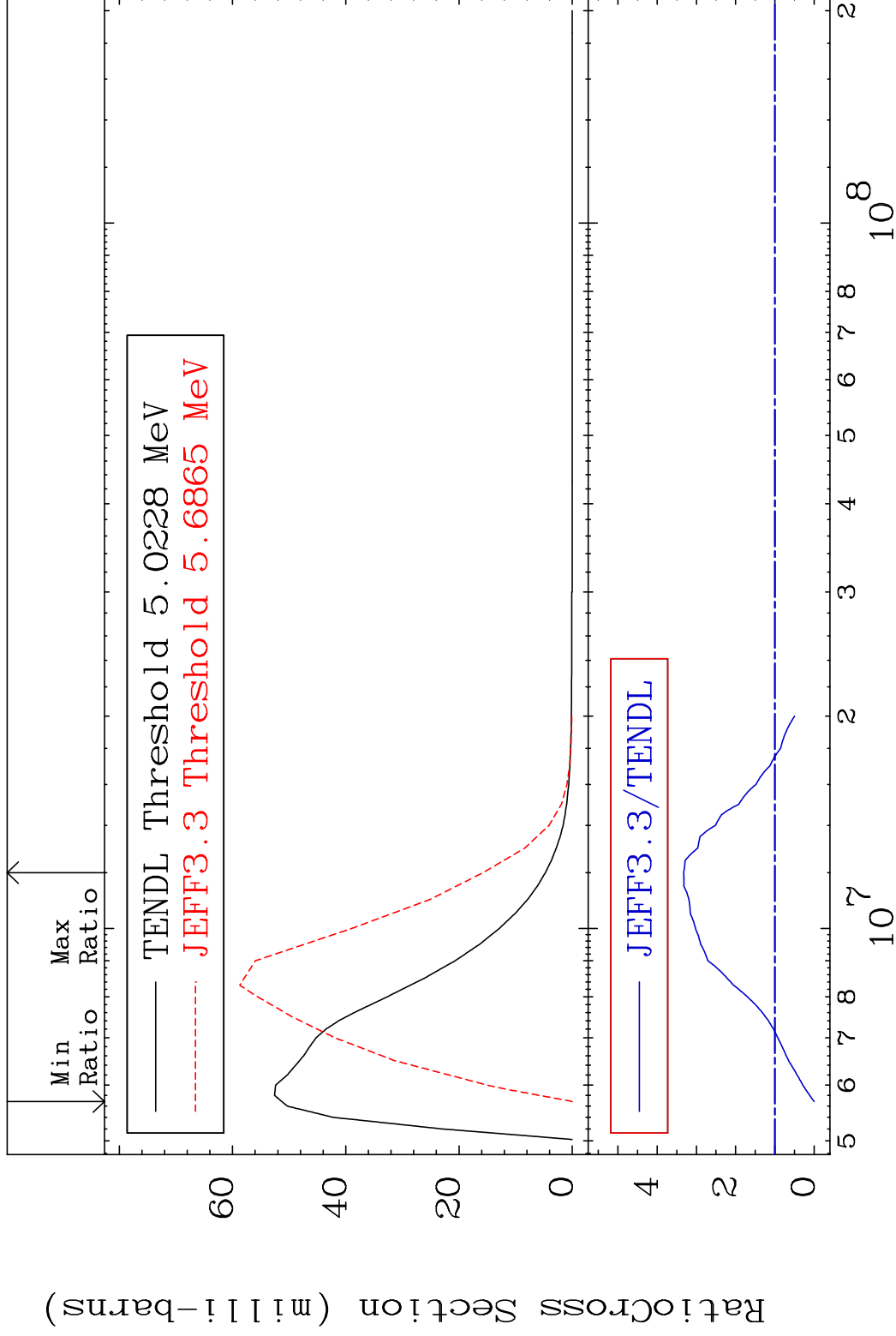
17 12-Mg-26

MAT 1231

MT= 62 (n, n') Level

12-Mg-26

Cross Section -100.0 To 232.4 %

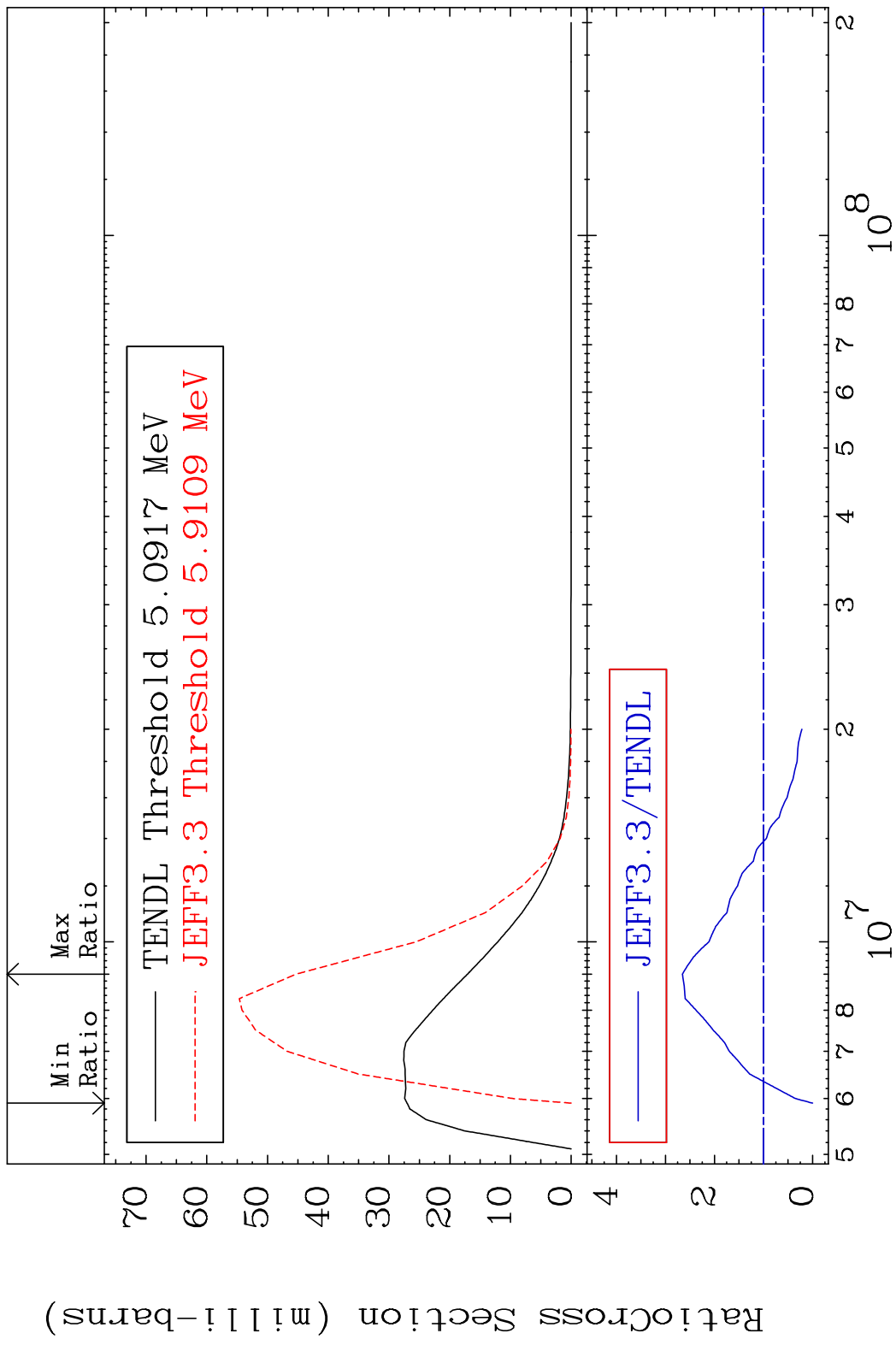


18

Incident Energy (eV)

12-Mg-26

MAT 1231 MT= 63 (n, n') Level 12-Mg-26  
 Cross Section -100.0 To 165.5 %

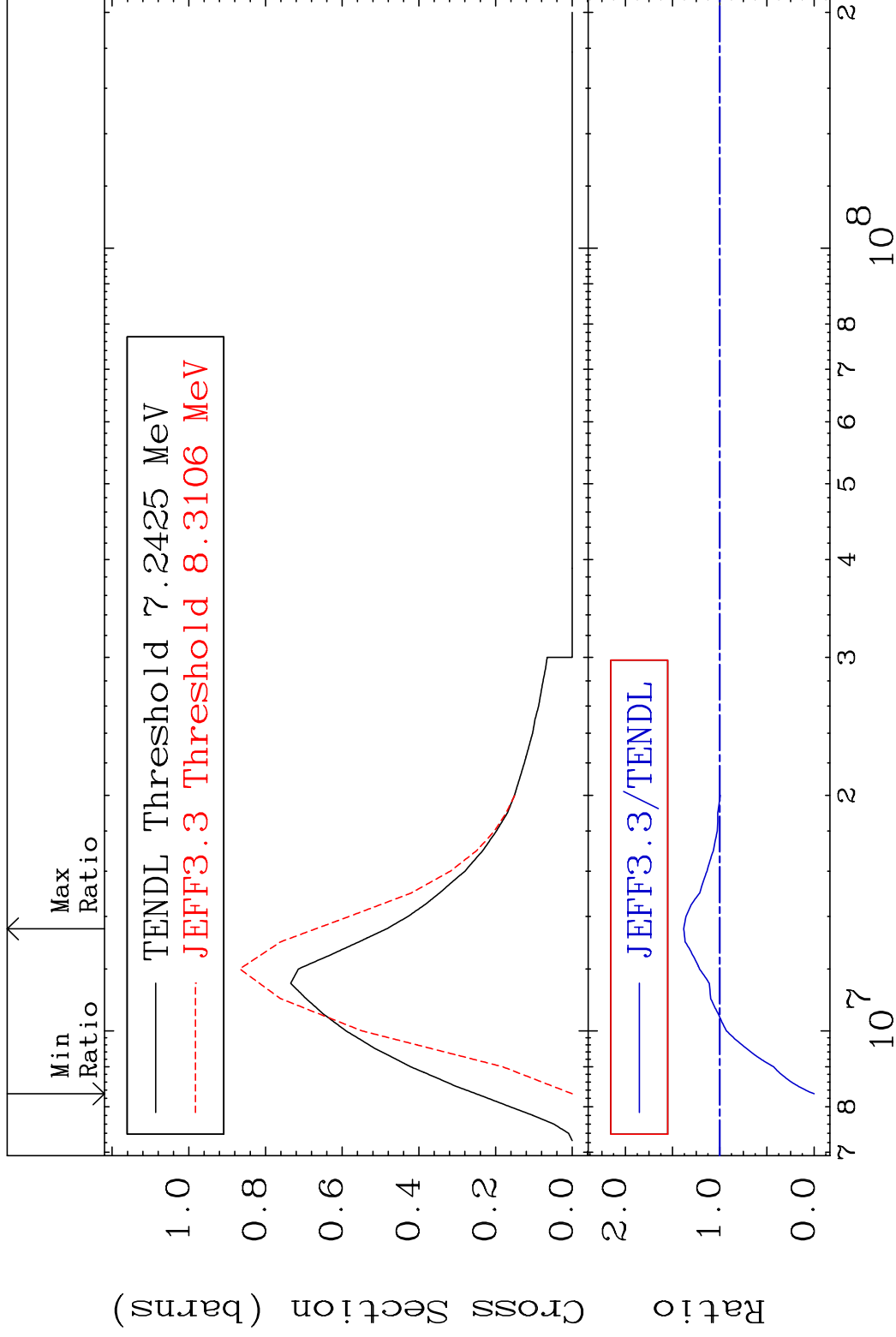


MAT 1231

(n,n') Continuum

<sup>12</sup>Mg-26

Cross Section -100.0 To 38.27 %



20

Incident Energy (eV)

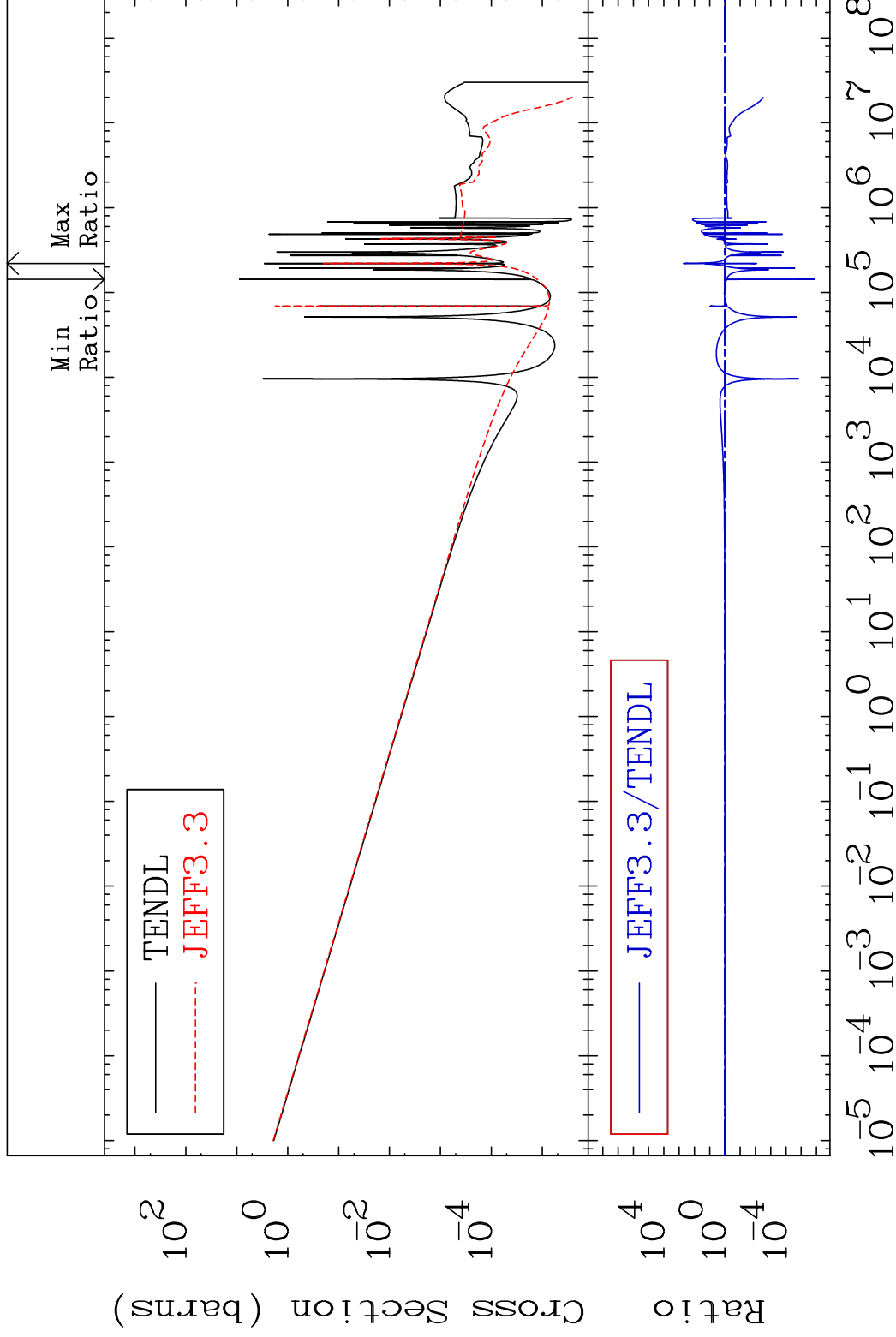
<sup>12</sup>Mg-26

MAT 1231

(n,  $\gamma$ )

12-Mg-26

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

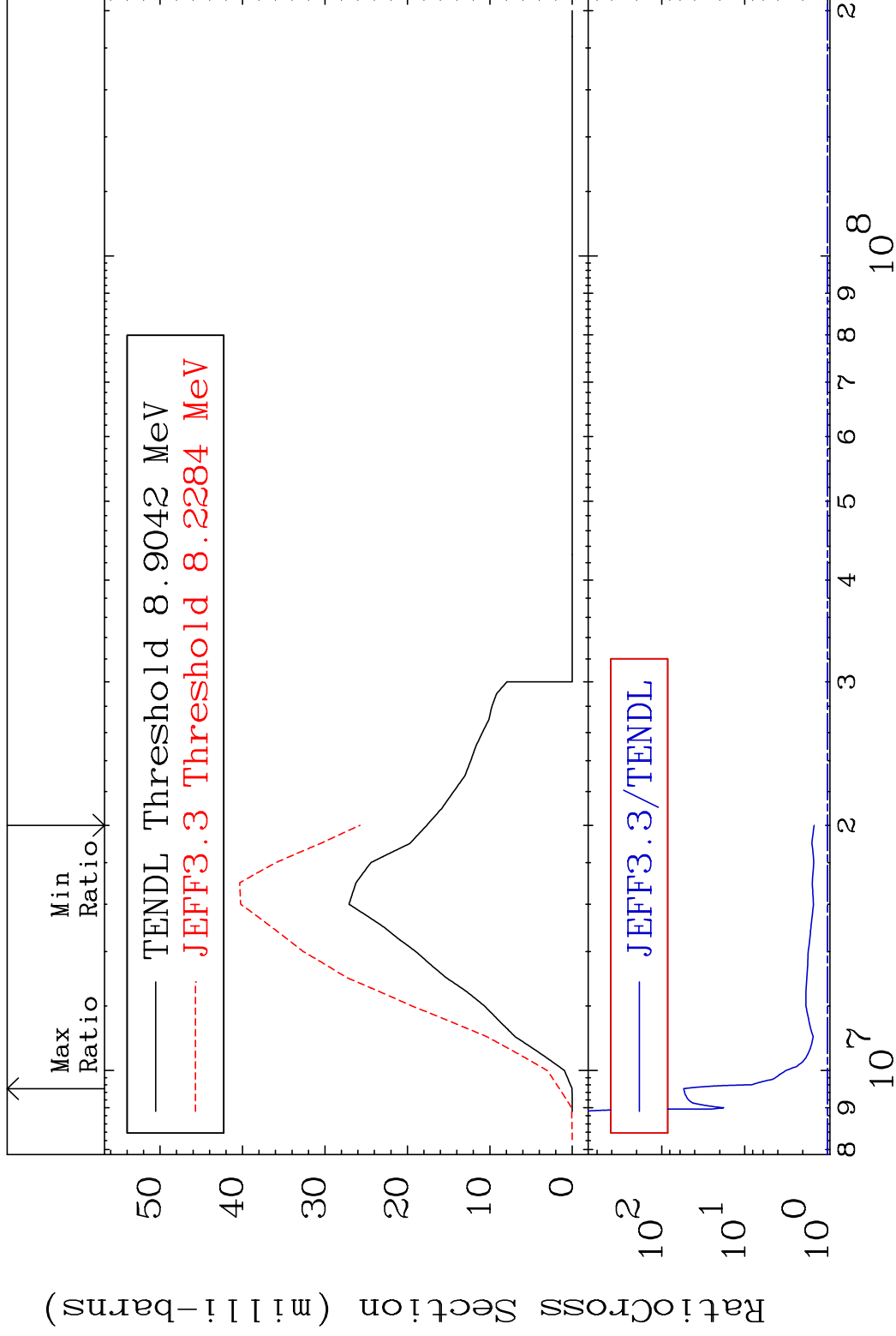
12-Mg-26

MAT 1231

(n,p)

<sup>12</sup>Mg-26

Cross Section 45.94 To 5333. %

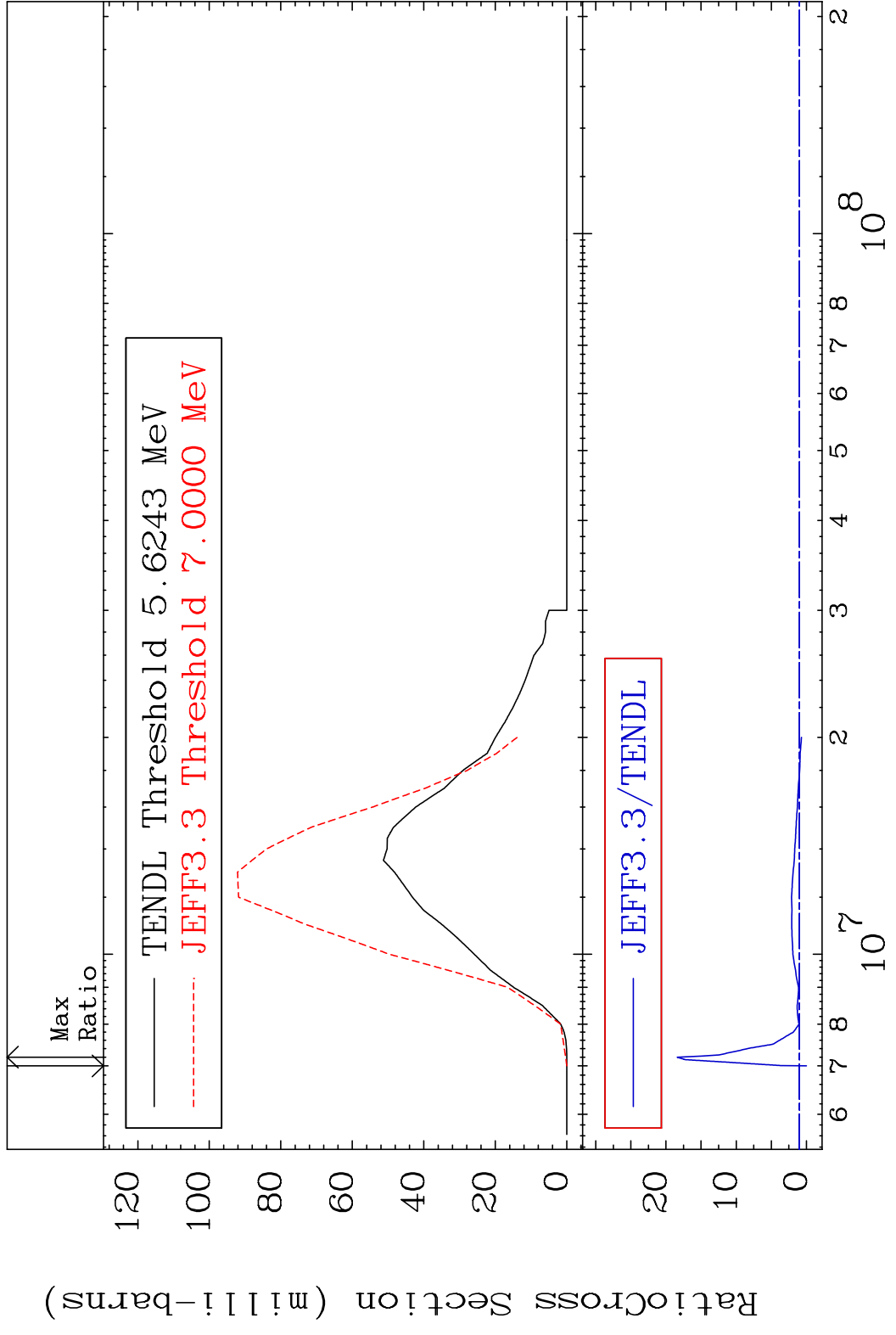


22

Incident Energy (eV)

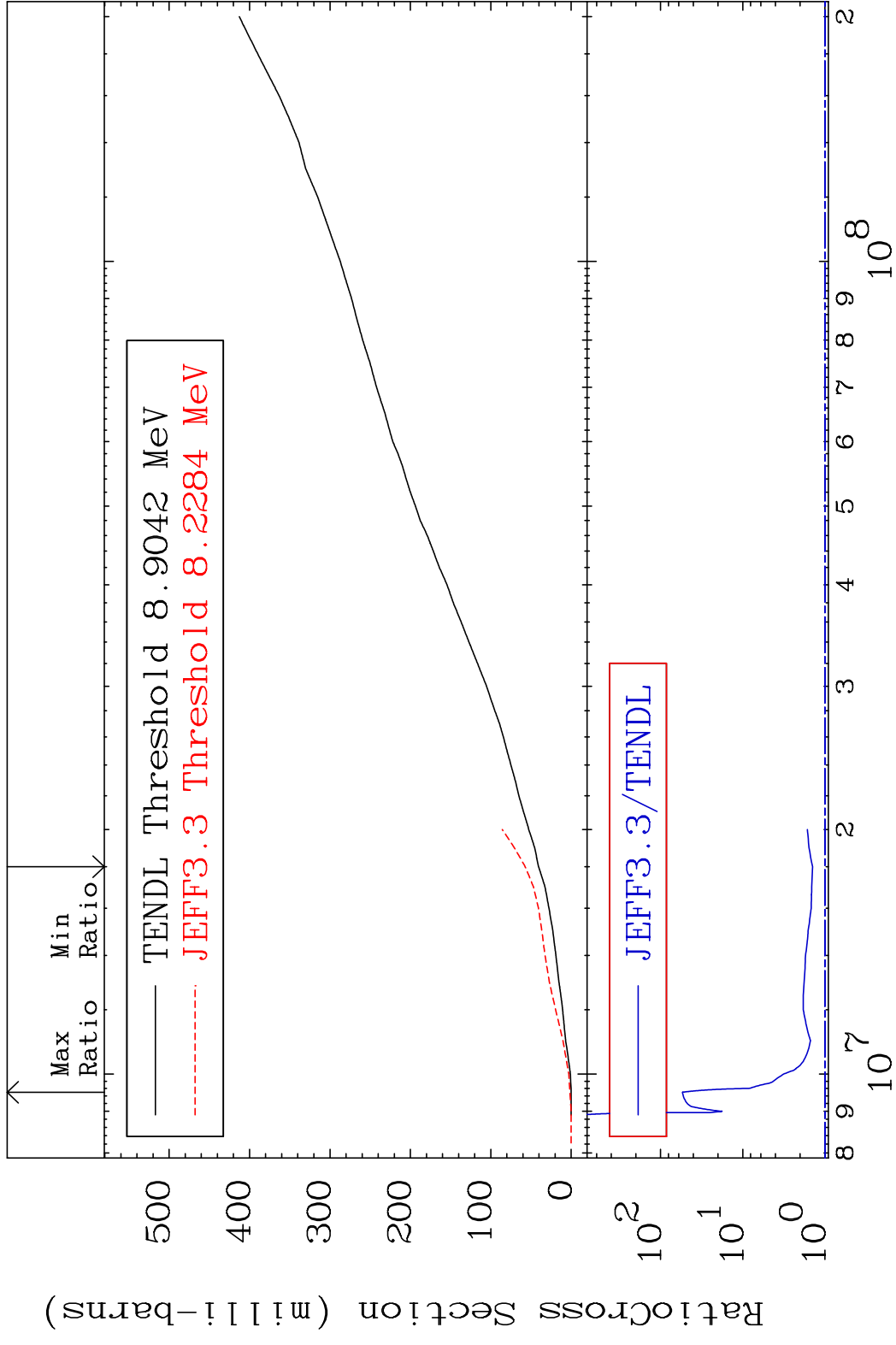
<sup>12</sup>Mg-26

MAT 1231 (n,  $\alpha$ ) 12-Mg-26  
 Cross Section -100.0 To 1741. %



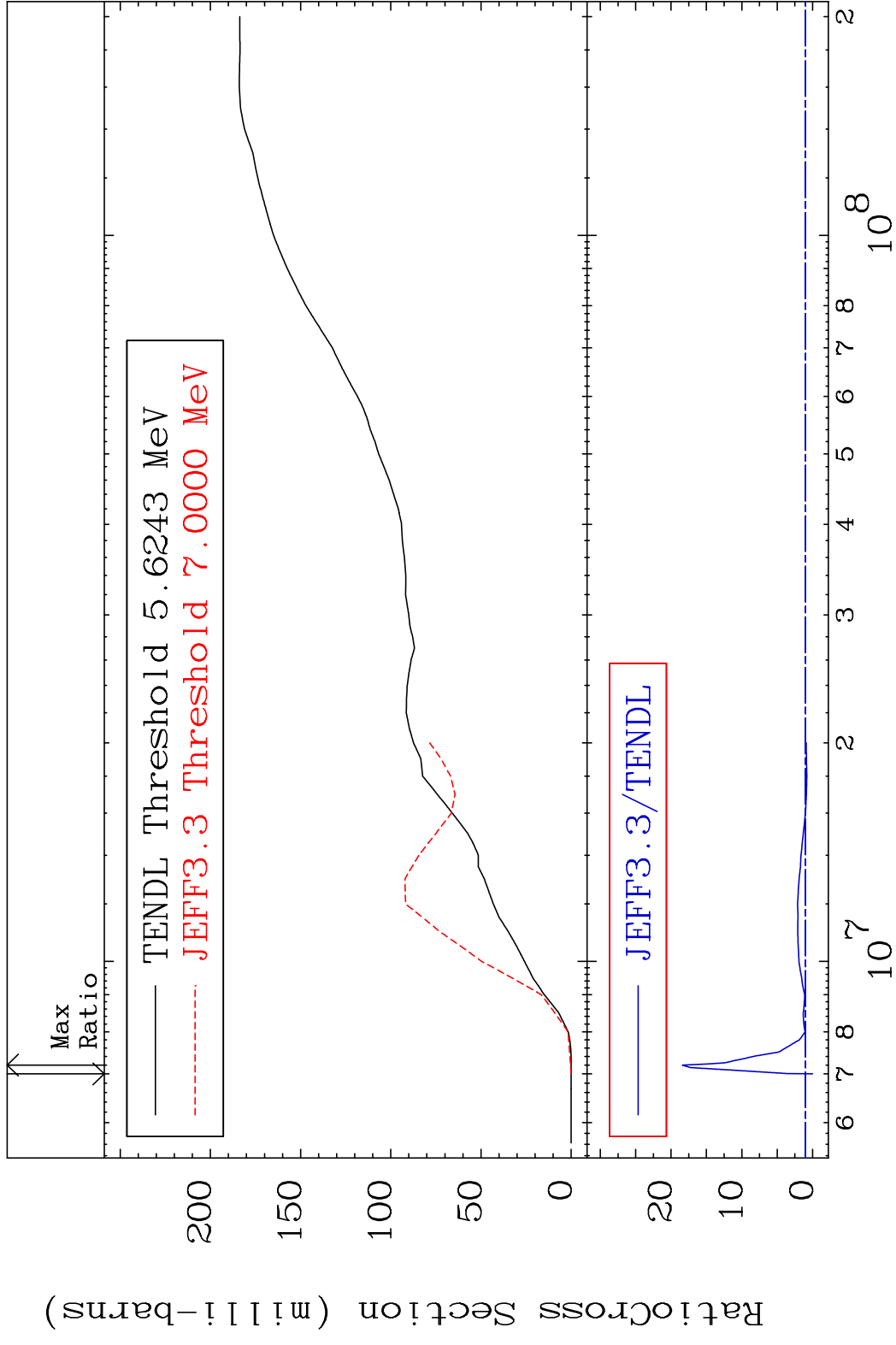


MAT 1231 Hydrogen Production 12-Mg-26  
 Cross Section 41.07 To 5333. %



24 Incident Energy (eV) 12-Mg-26

MAT 1231 He-4 Production 12-Mg-26  
 Cross Section -100.0 To 1741. %



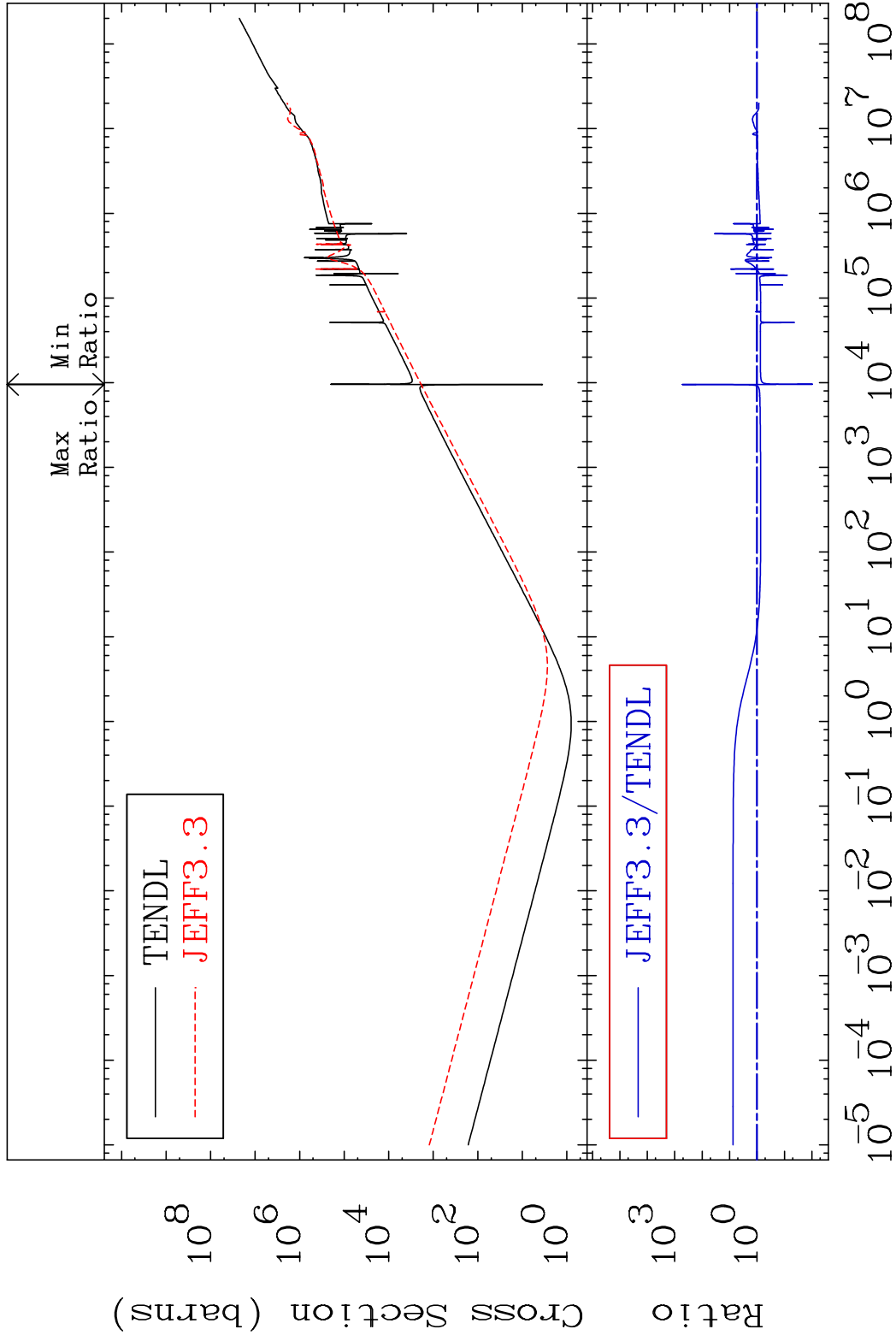
25 12-Mg-26

MAT 1231

Kerma total (eV-barns)

12-Mg-26

Cross Section -99.05 To 9999. %



26

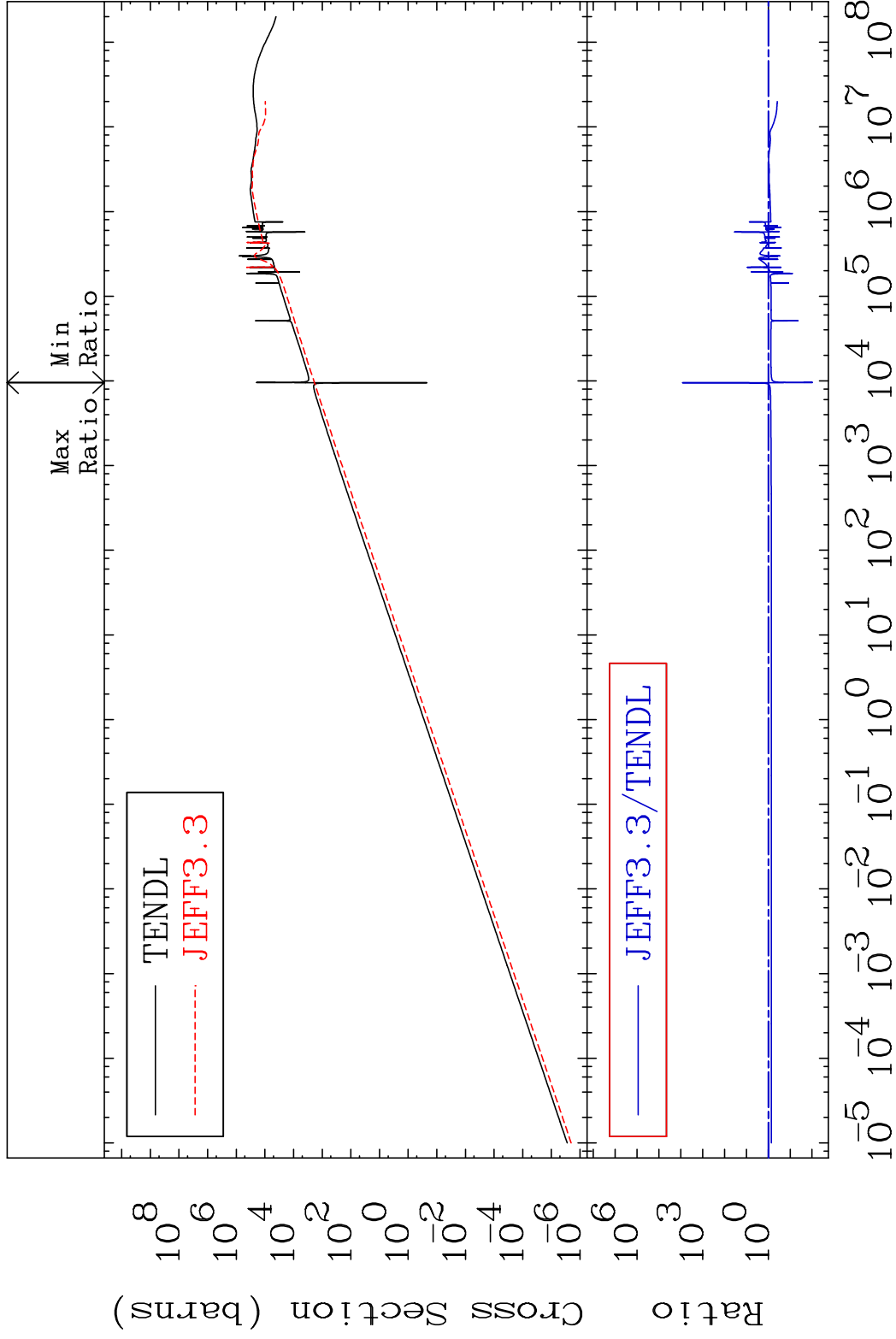
Incident Energy (eV)

12-Mg-26

MAT 1231

Kerma elastic  
Cross Section

12-Mg-26  
-99.05 To 9999. %

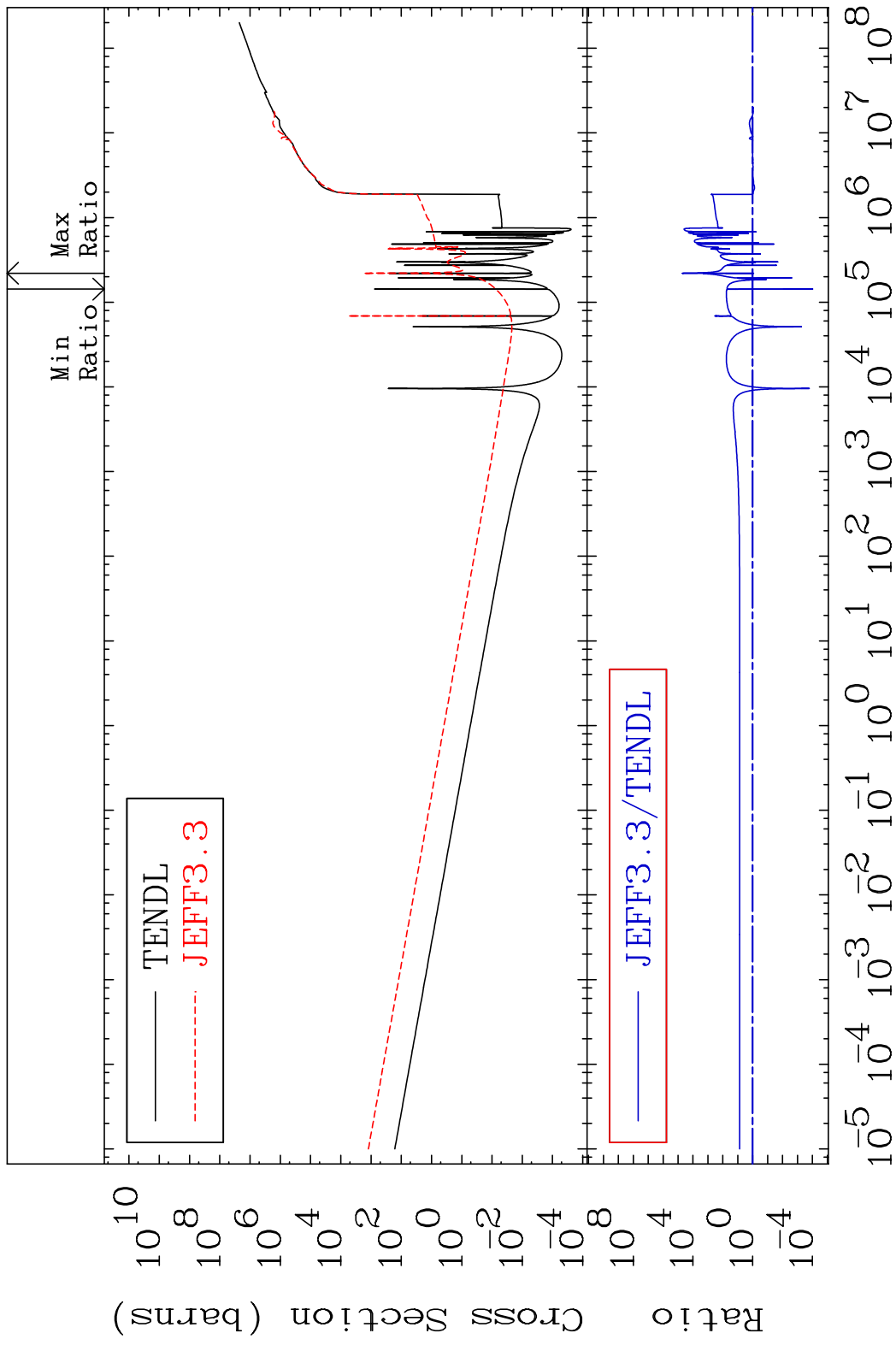


27

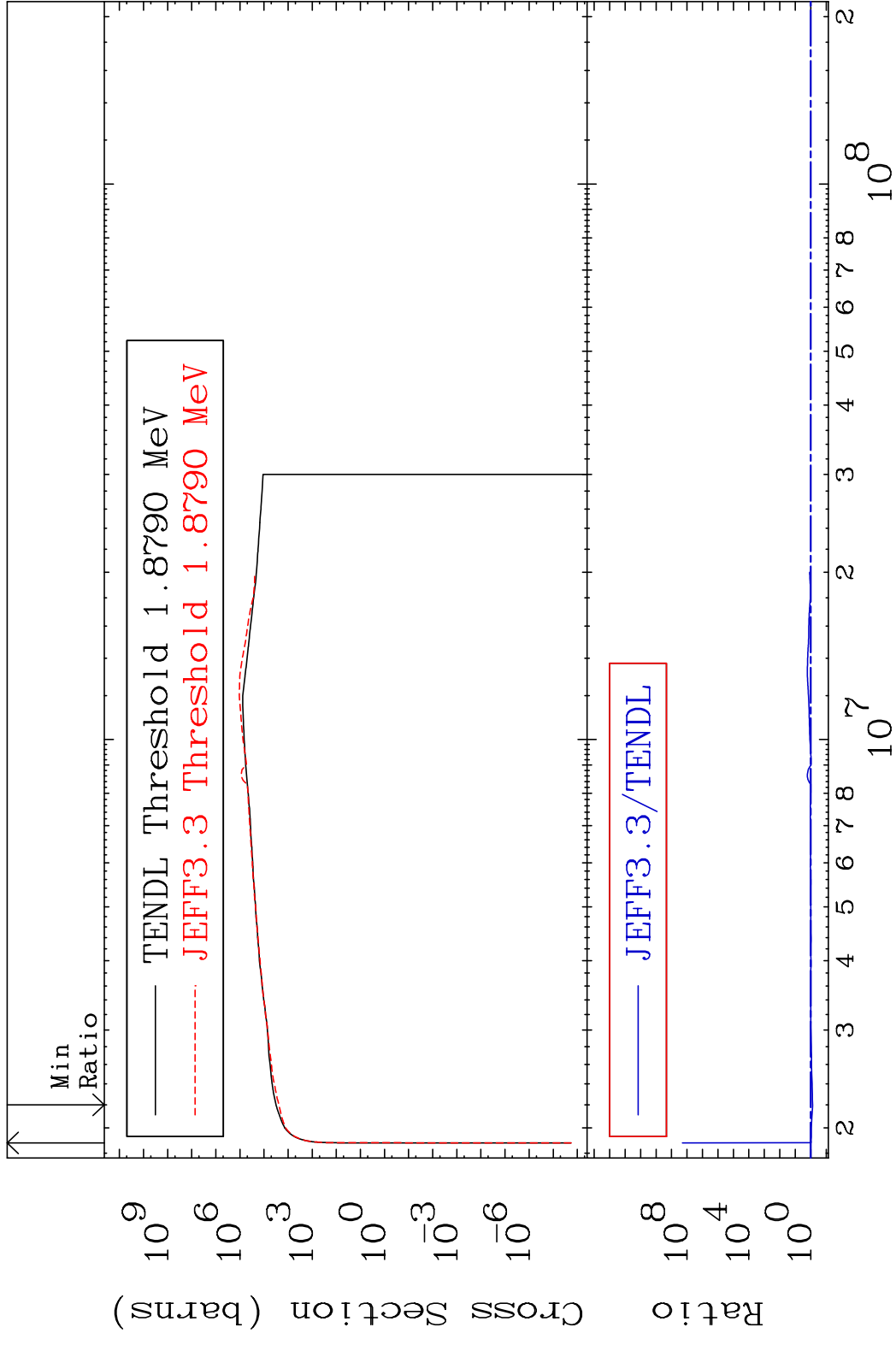
Incident Energy (eV)

12-Mg-26

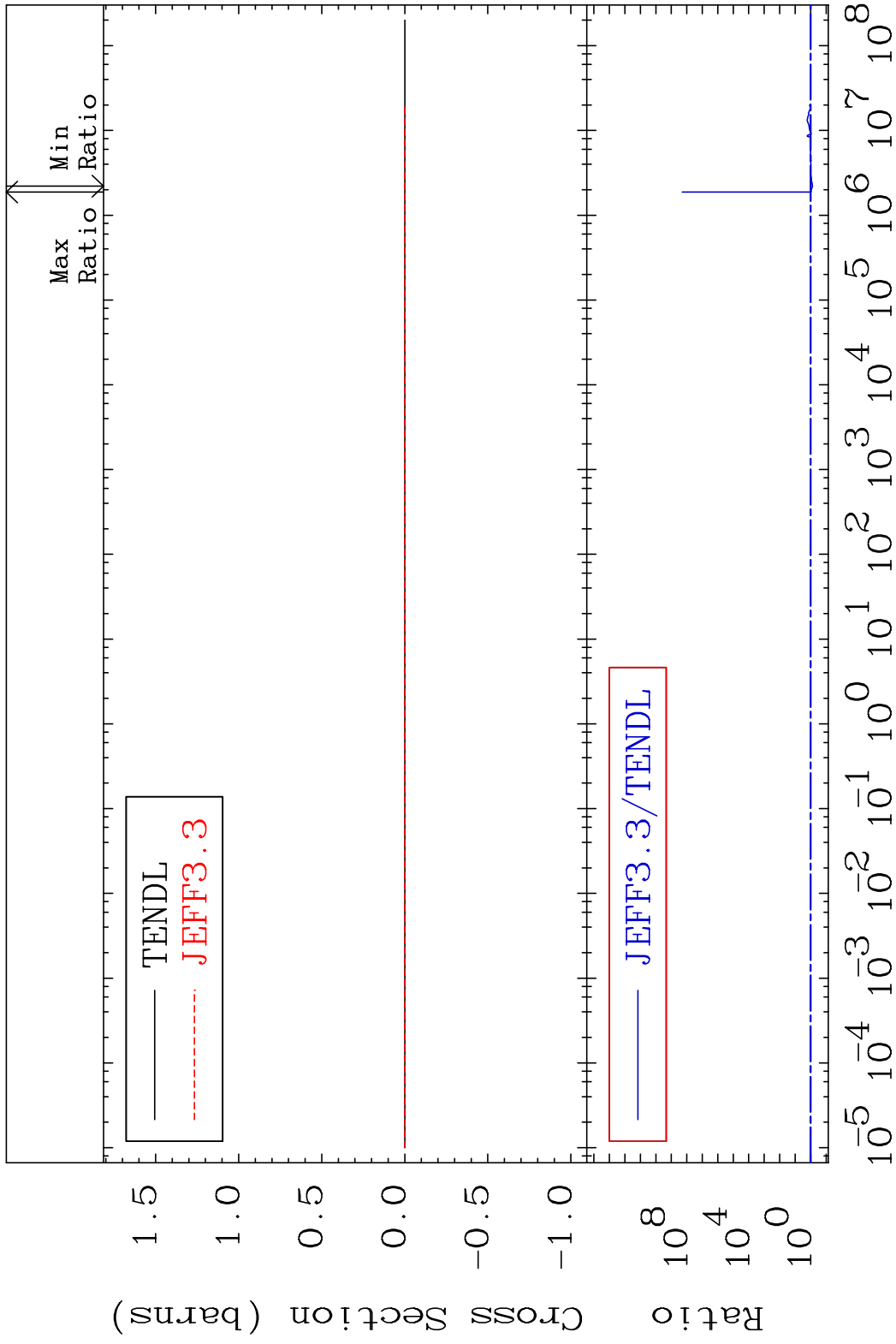
MAT 1231 Kerma non-elastic (all but mt2) 12-Mg-26  
 Cross Section -99.99 To 9999. %



MAT 1231 Kerma inelastic (mt51-91) 12-Mg-26  
 Cross Section -24.04 To 9999. %



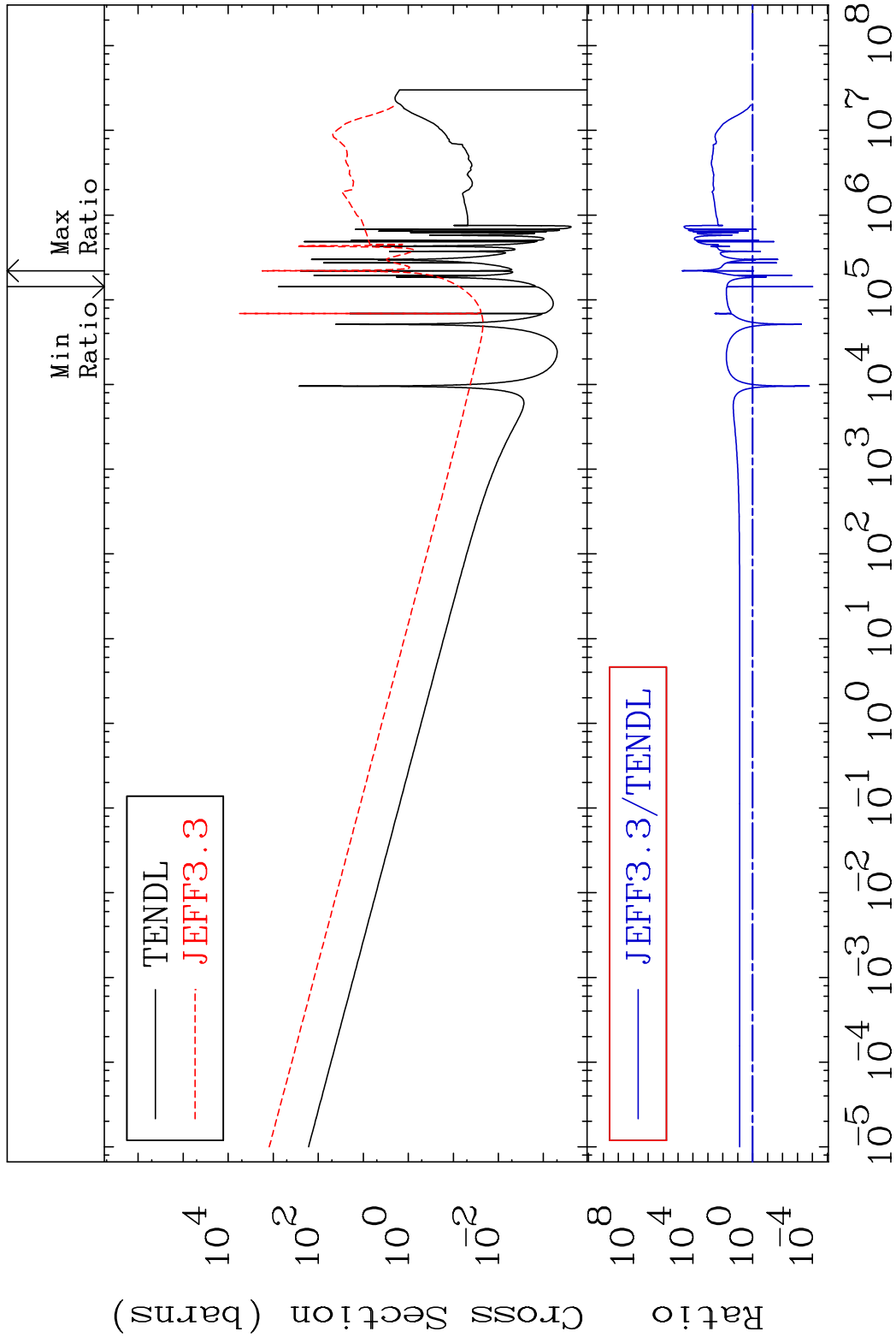
MAT 1231 Kerma fission (mt18 or mt19-20-21-38) 12-Mg-26  
 Cross Section -24.04 To 9999. %



MAT 1231

Kerma capture (mt102) 12-Mg-26

Cross Section -99.99 To 9999. %



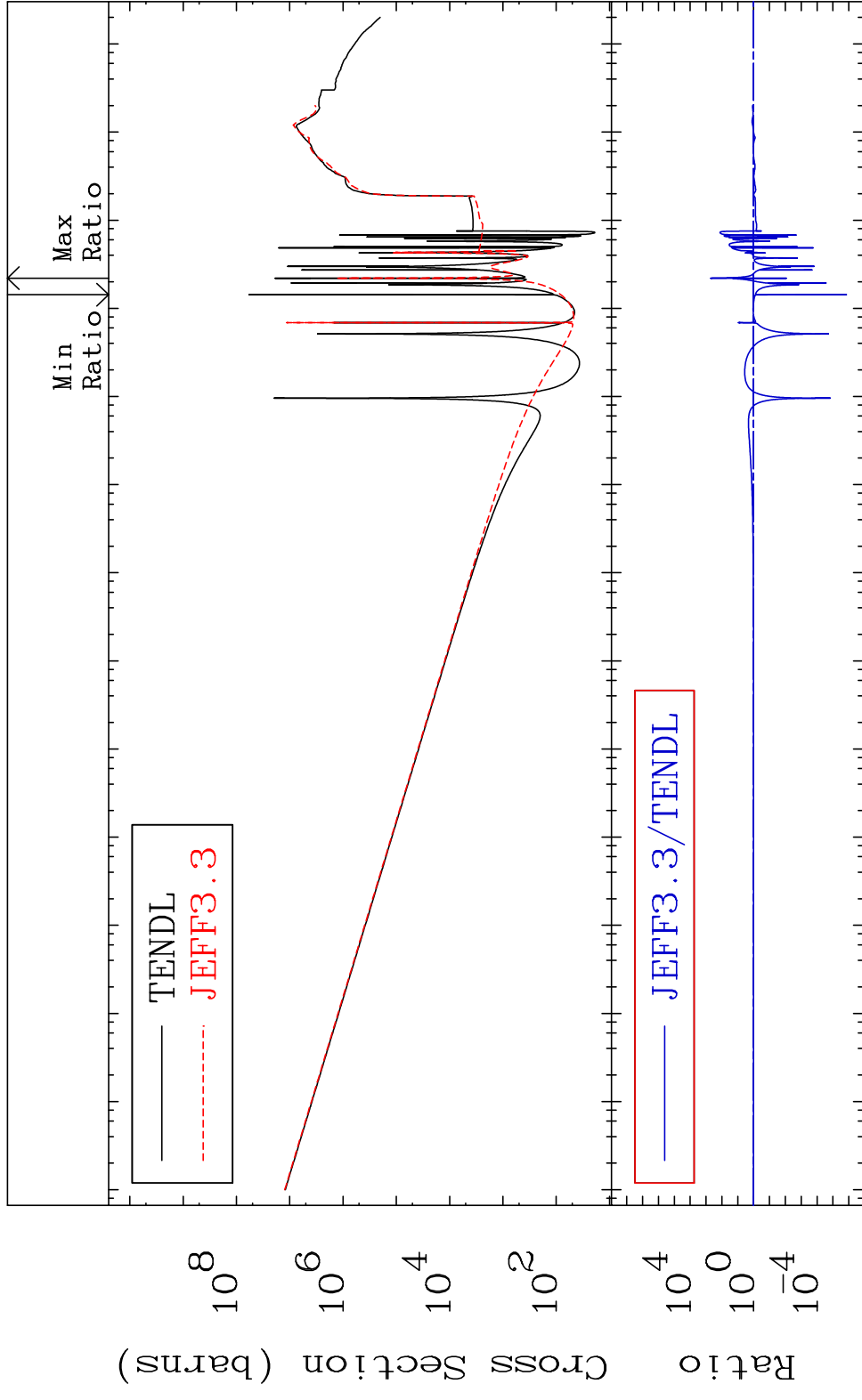
31

Incident Energy (eV)

12-Mg-26

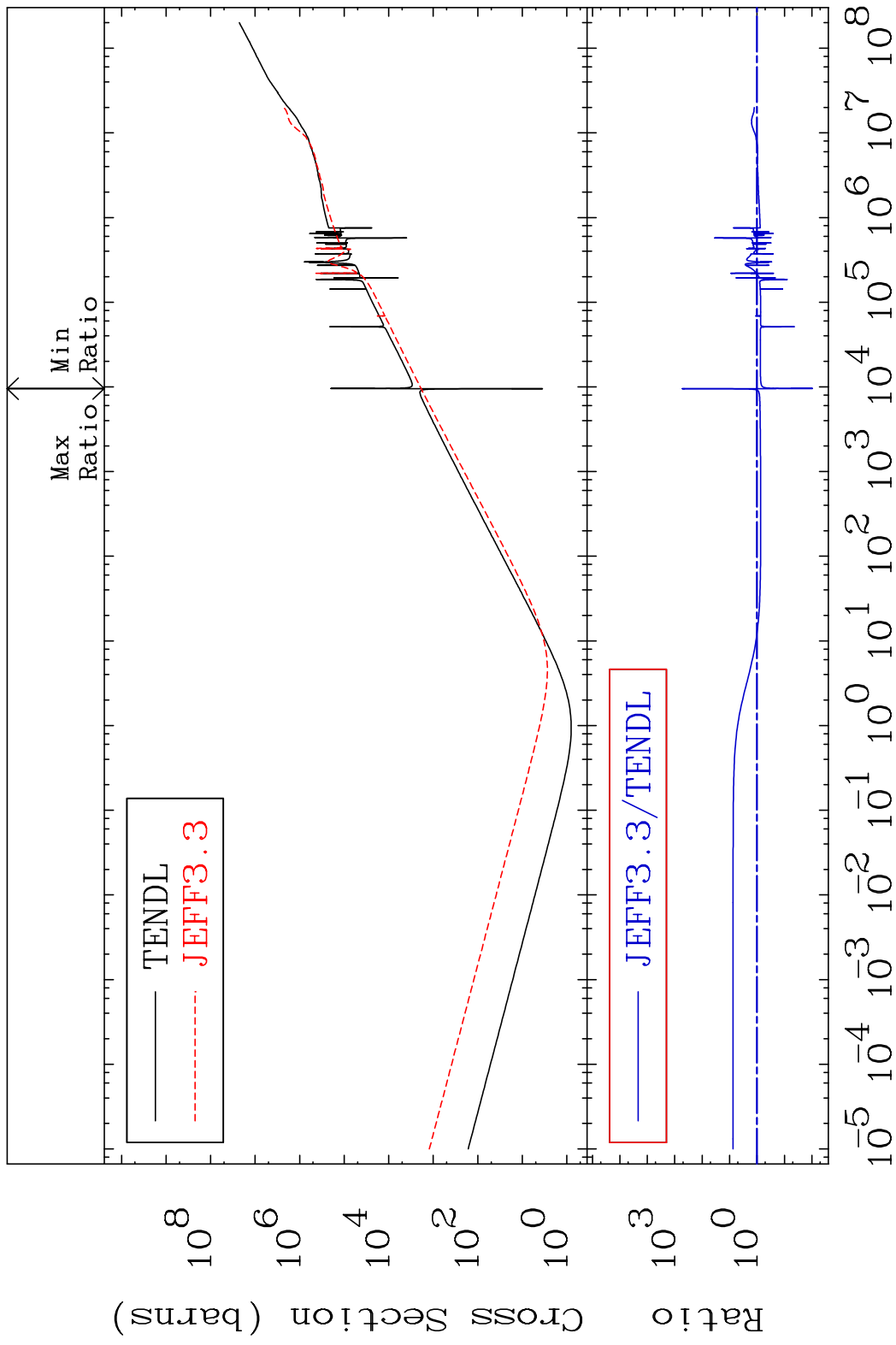


MAT 1231 Total photon (eV-barns) 12-Mg-26  
 Cross Section -100.0 To 9999. %



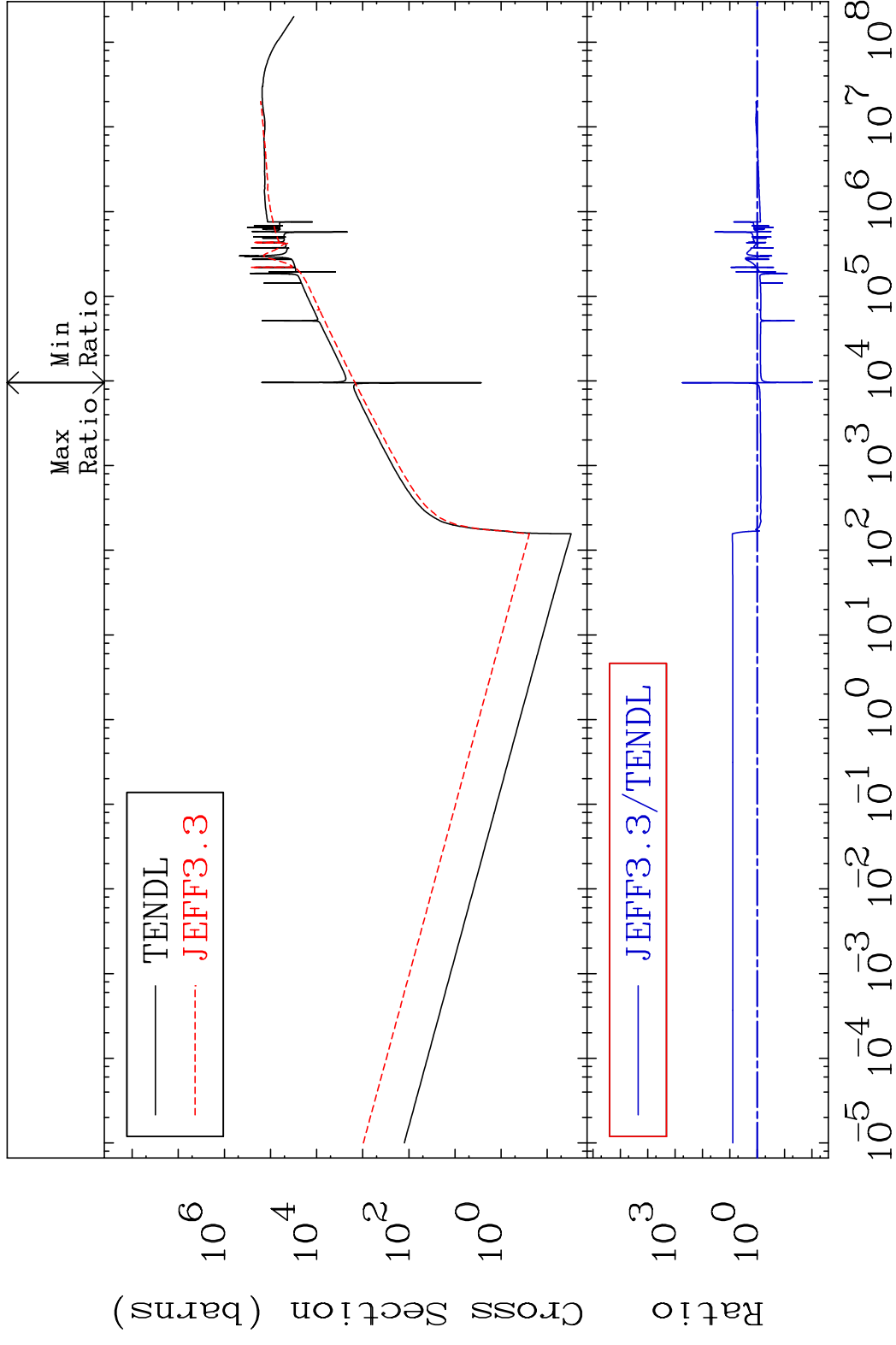
32 Incident Energy (eV) 12-Mg-26

MAT 1231 Total kinematic kerma (high limit) 12-Mg-26  
 Cross Section -99.05 To 9999. %



33 Incident Energy (eV) 12-Mg-26

MAT 1231 Dpa total (eV-barns) 12-Mg-26  
 Cross Section -99.05 To 9999. %



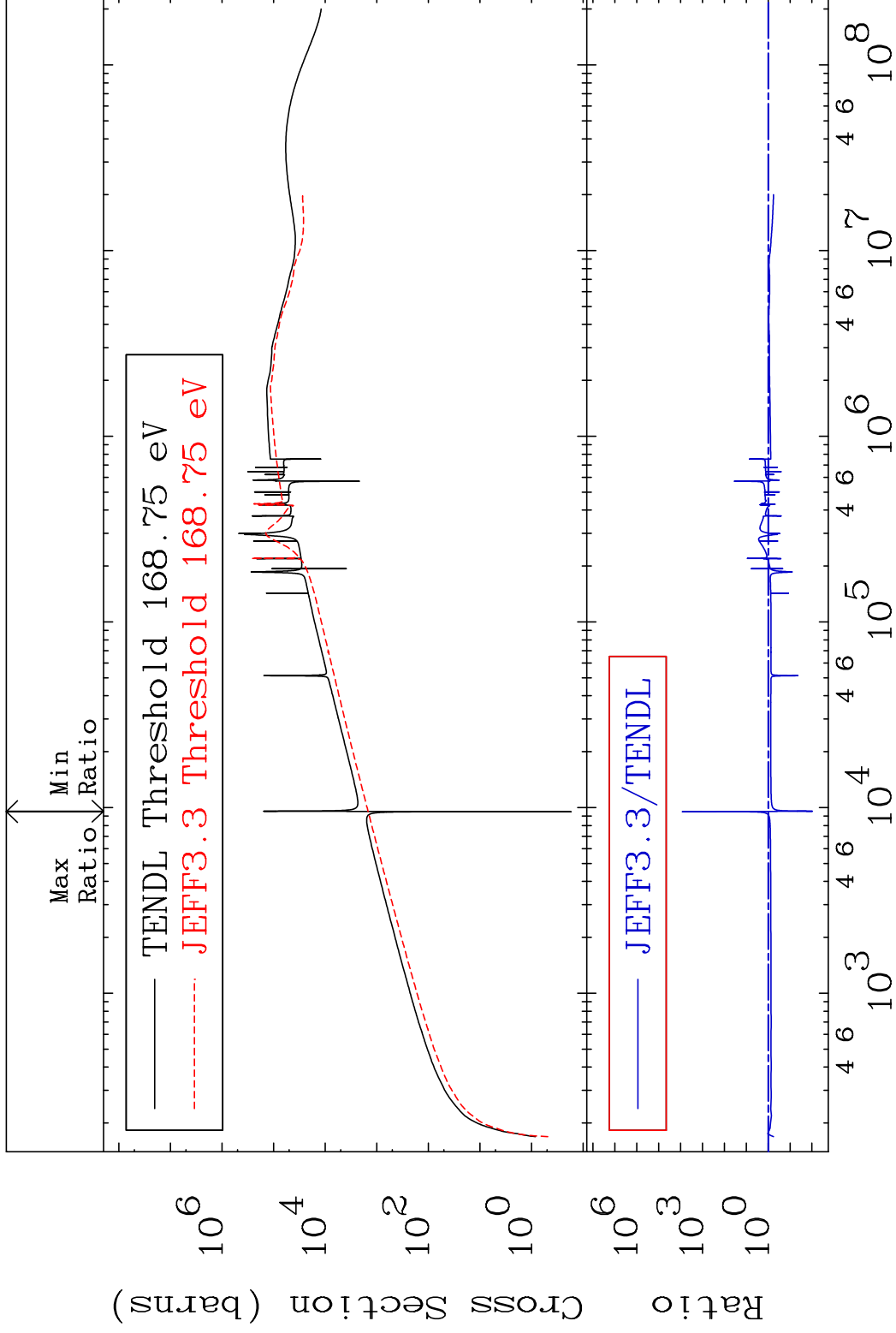
34 Incident Energy (eV) 12-Mg-26

MAT 1231

Dpa elastic (mt2)

12-Mg-26

Cross Section -99.05 To 9999. %

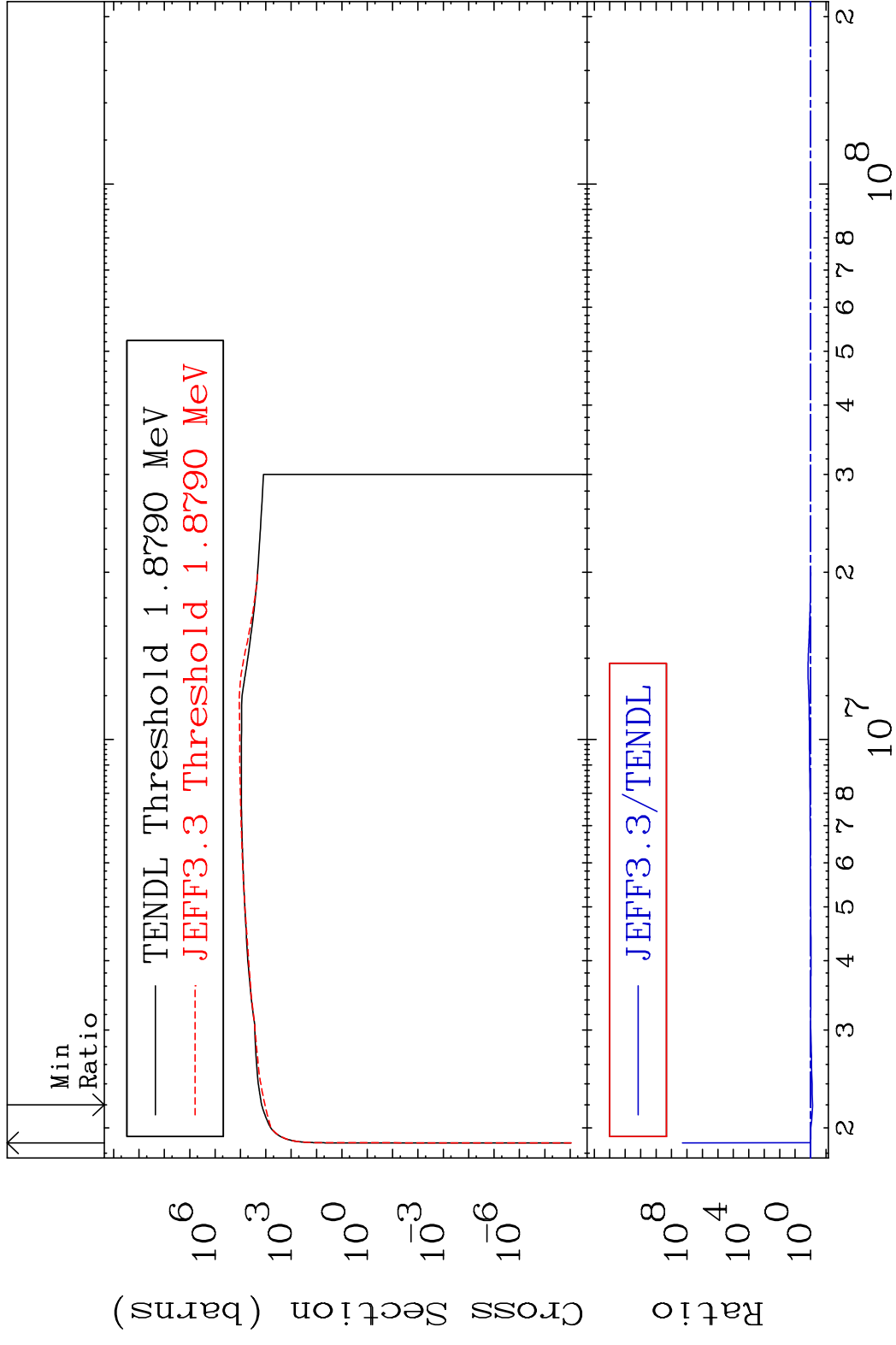


35

Incident Energy (eV)

12-Mg-26

MAT 1231      Dpa inelastic (mt51-91)      12-Mg-26  
 Cross Section    -25.87 To 9999. %



MAT 1231 Dpa disappearance (mt102 -120) 12-Mg-26  
 Cross Section -100.0 To 9999. %

