

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

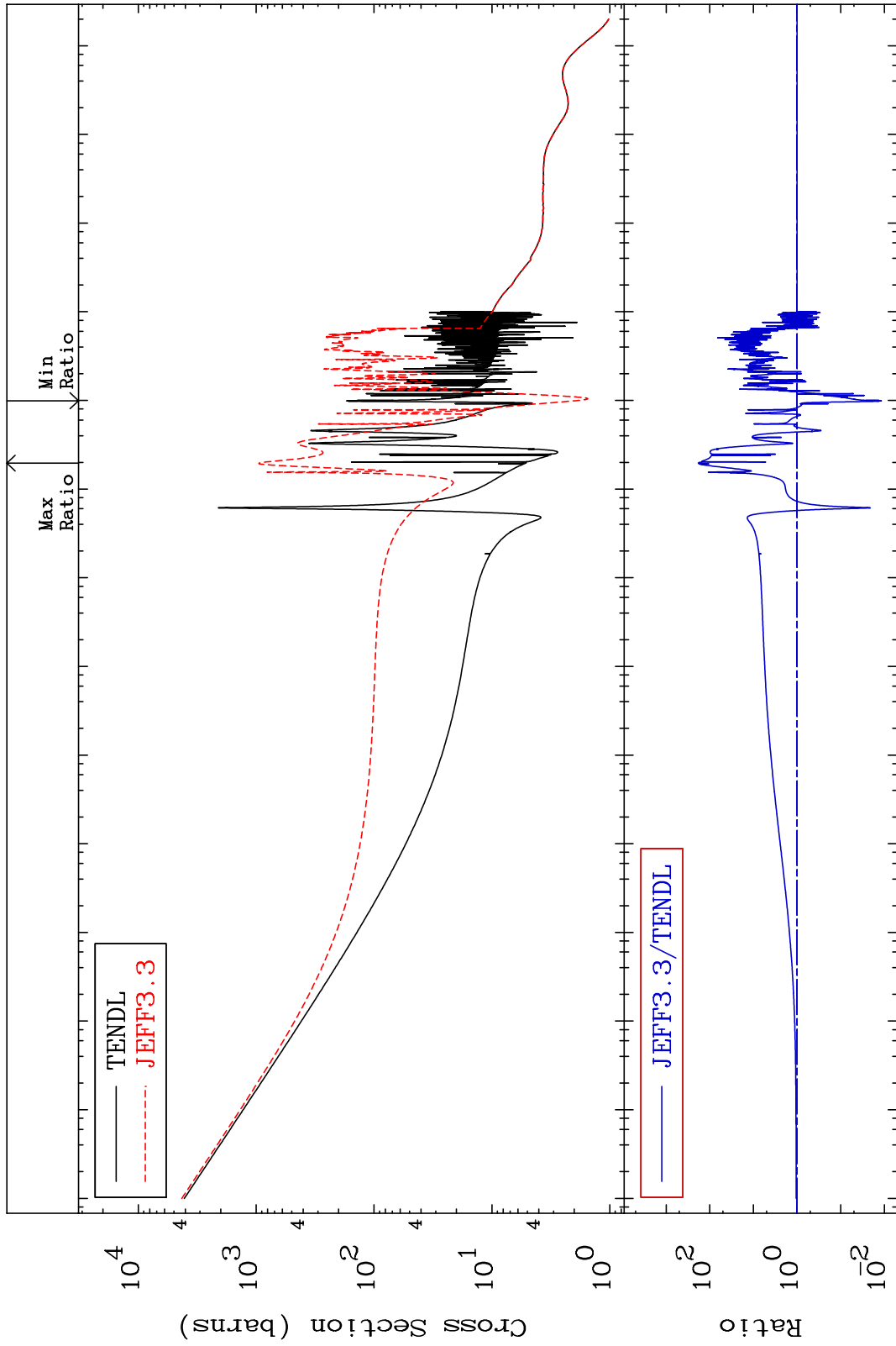
MAT 2519

Total

25-Mn-53

-98.84 To 9999. %

Cross Section



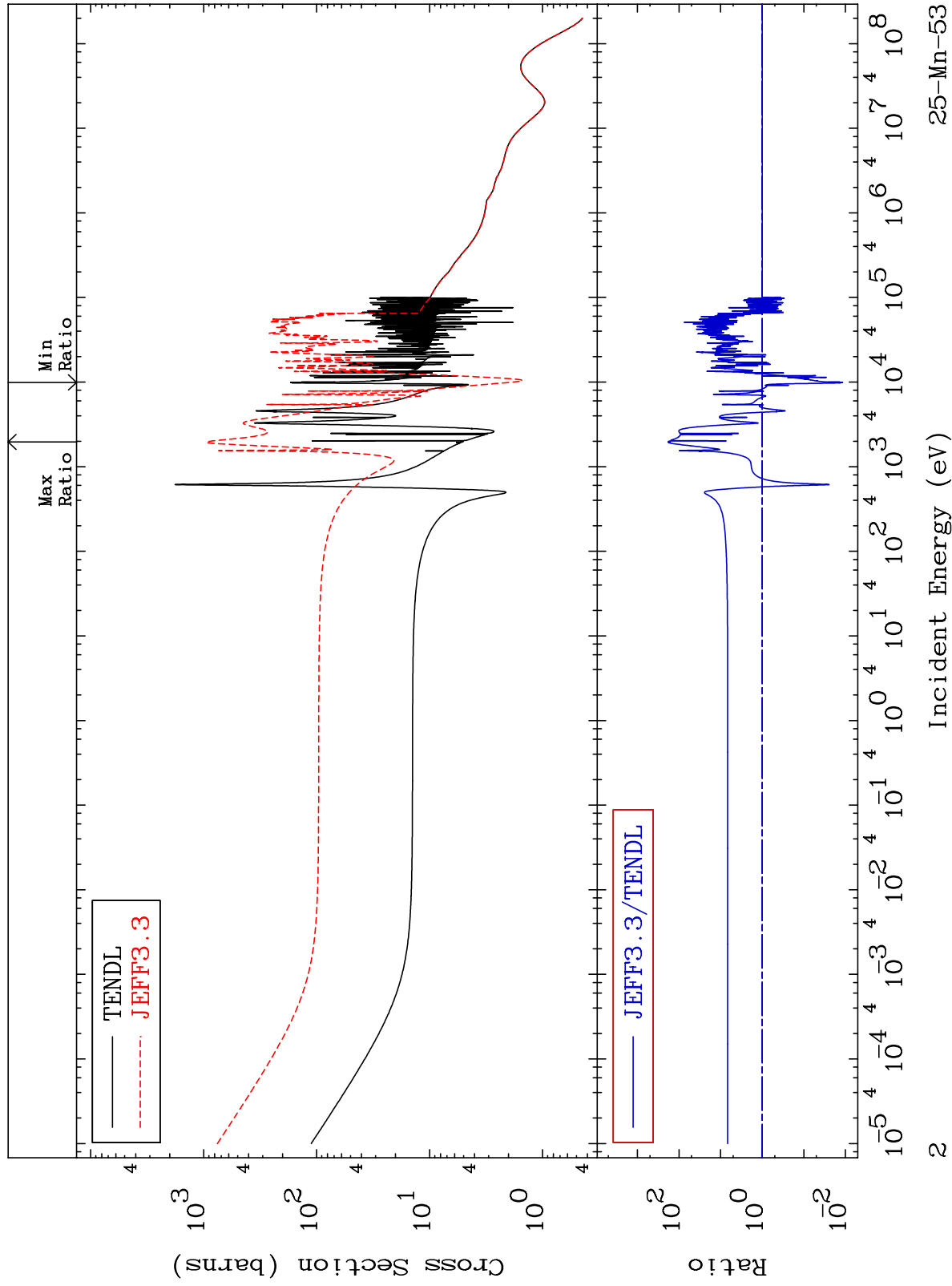
Incident Energy (eV)

25-Mn-53

MAT 2519

Elastic  
Cross Section

25-Mn-53  
-98.85 To 9999. %



25-Mn-53

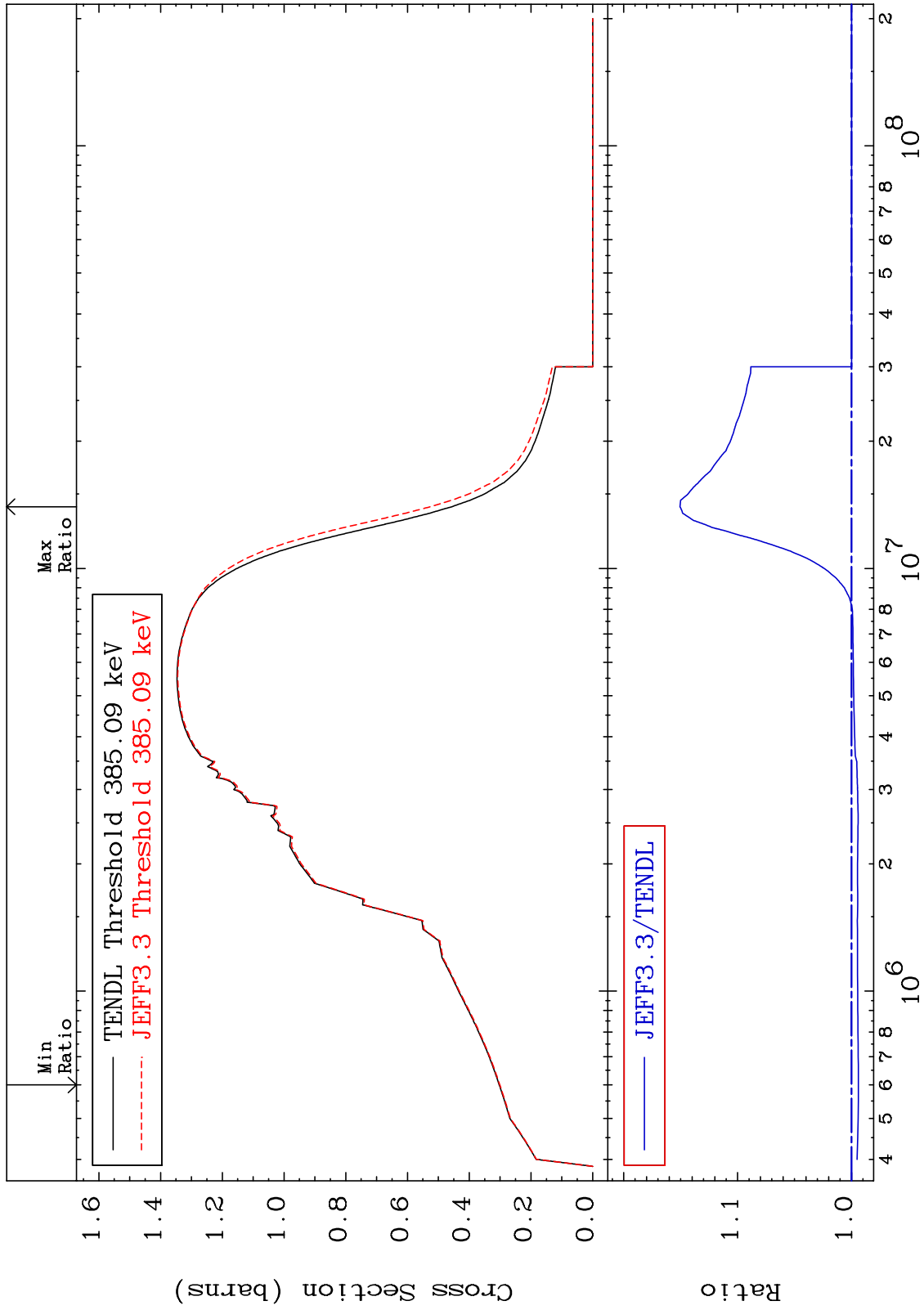
2

MAT 2519

<sup>25</sup>Mn-53

-0.606 To 15.06 %

Inelastic  
Cross Section



MAT 2519

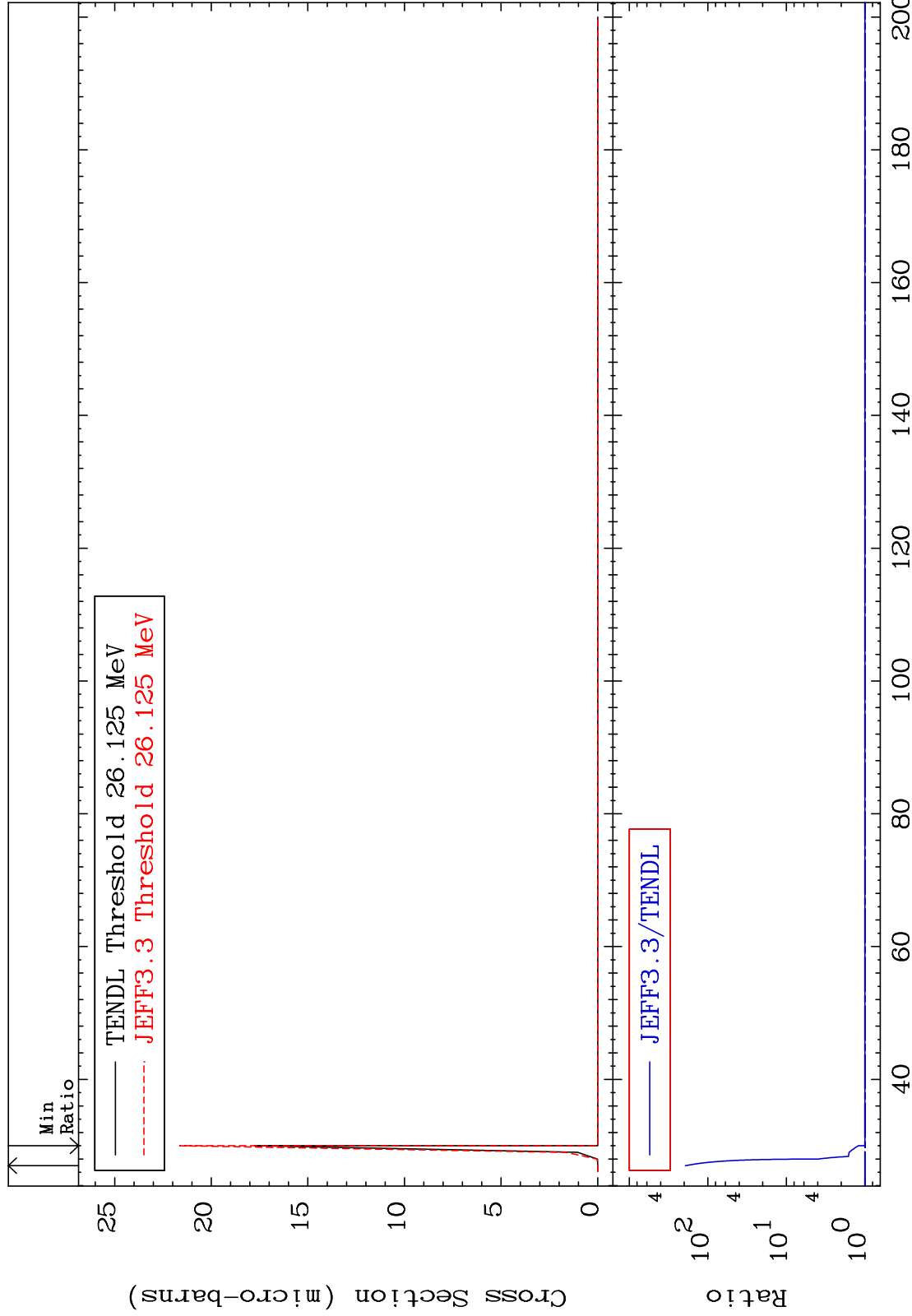
(n,2n) d

<sup>25</sup>Mn-53

Cross Section

0.000

To 9999. %



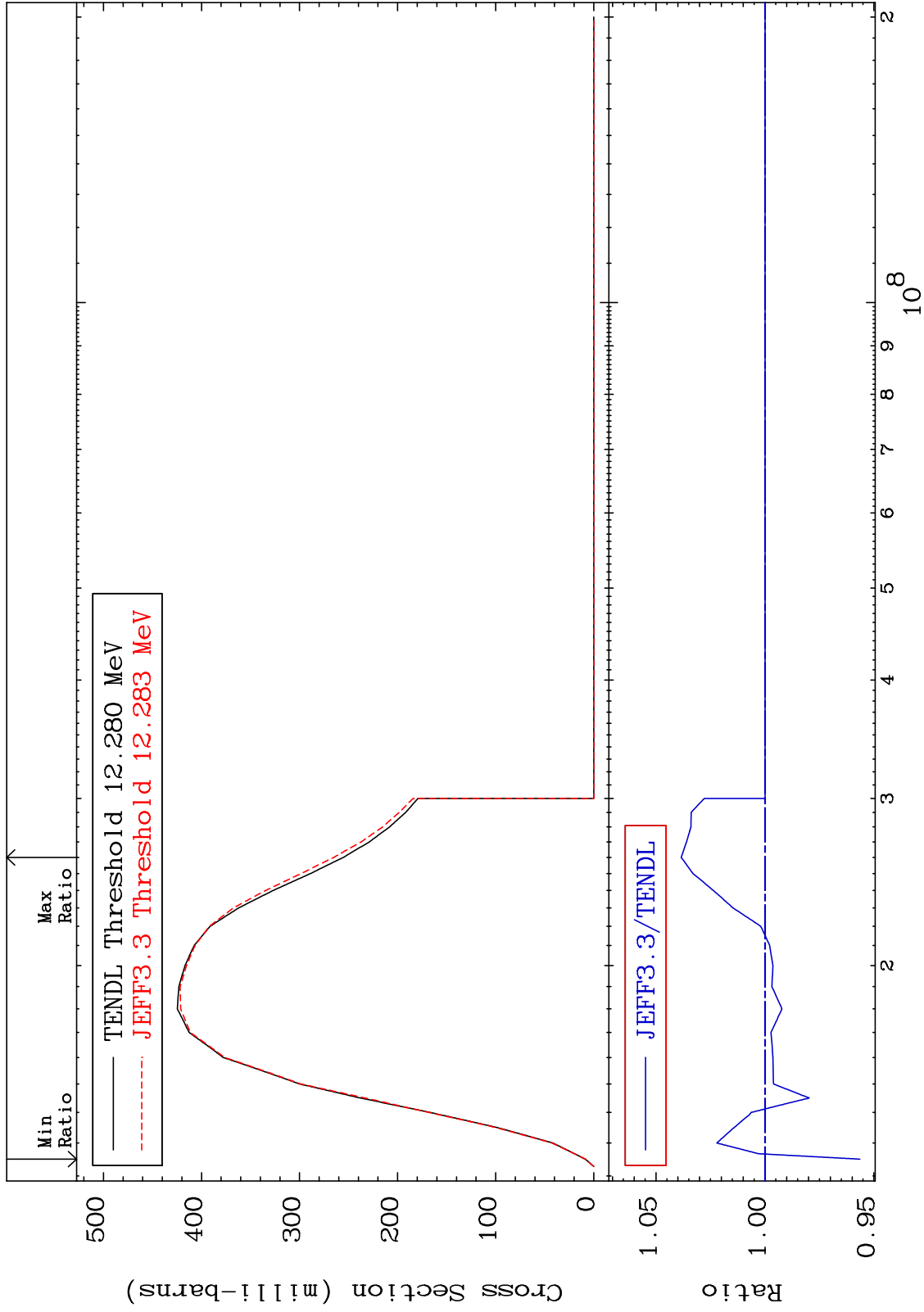
MAT 2519

(n, 2n)

<sup>25</sup>Mn-53

-4.358 To 3.843 %

Cross Section



5

Incident Energy (eV)

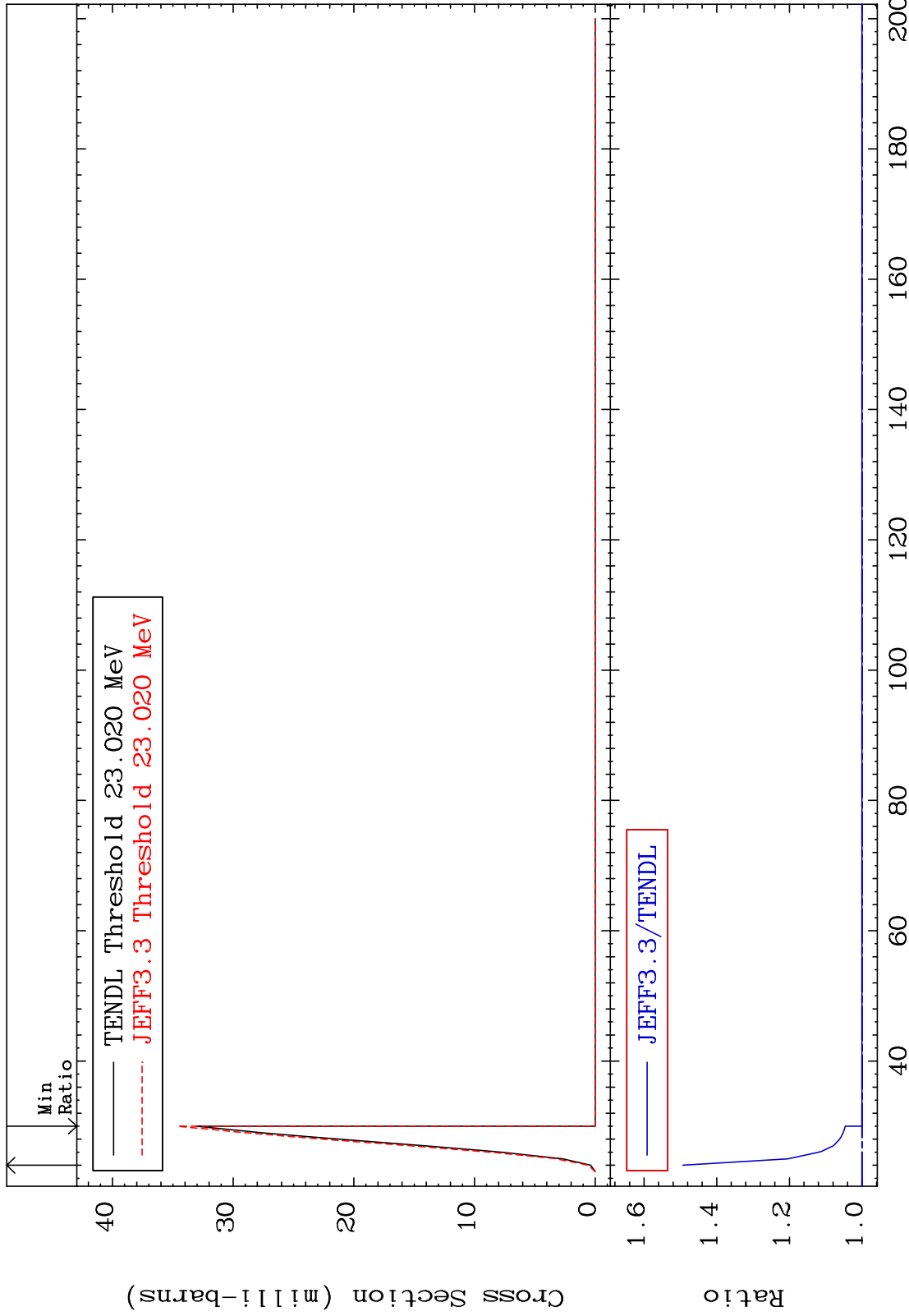
<sup>25</sup>Mn-53

MAT 2519

(n, 3n)

<sup>25</sup>Mn-53

Cross Section 0.000 To 49.31 %



<sup>25</sup>Mn-53

Incident Energy (MeV)

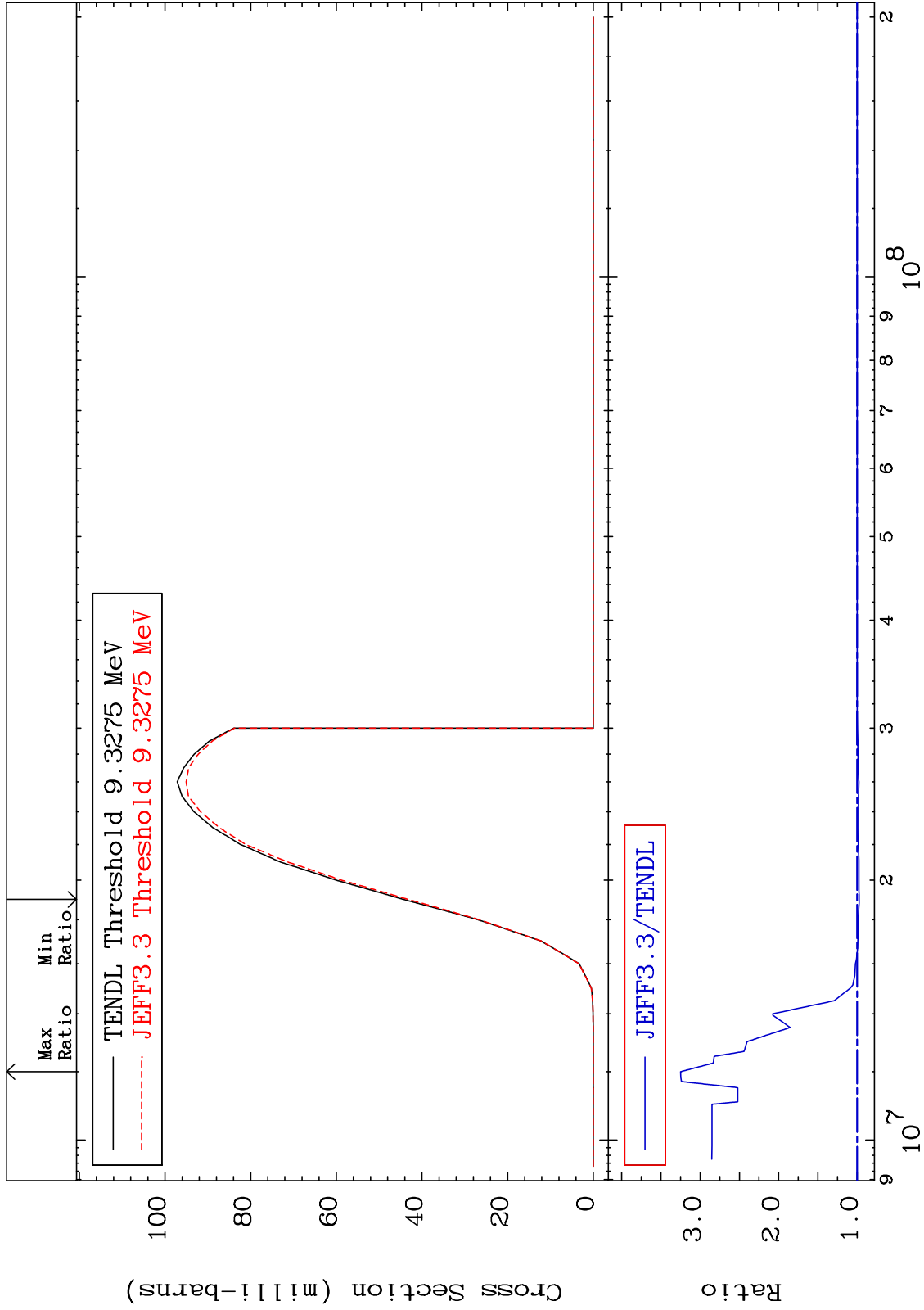
MAT 2519

(n,n')  $\alpha$

25-Mn-53

Cross Section

-2.562 To 224.9 %





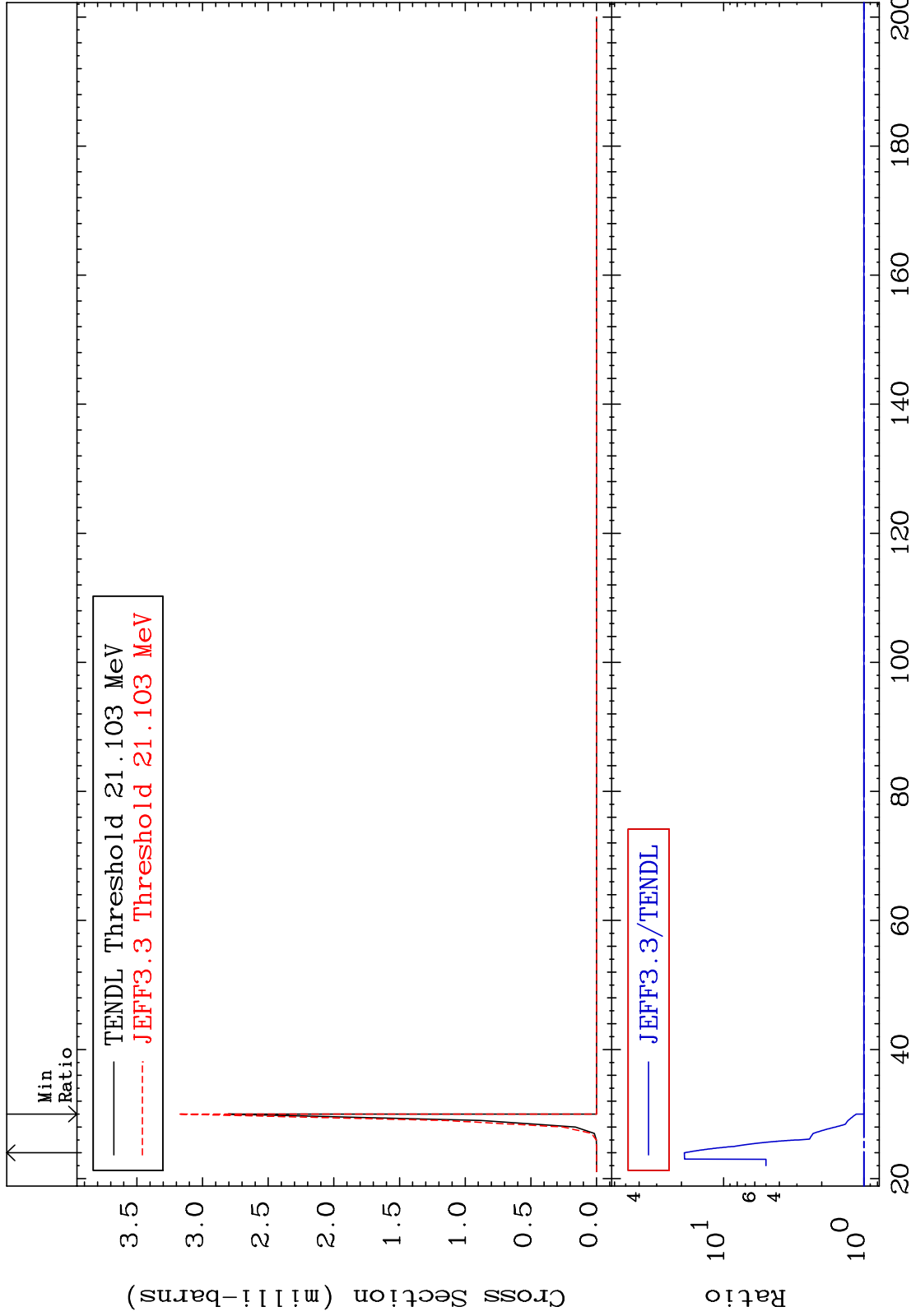
MAT 2519

(n,2n)  $\alpha$

<sup>25</sup>Mn-53

Cross Section

0.000 To 1805. %



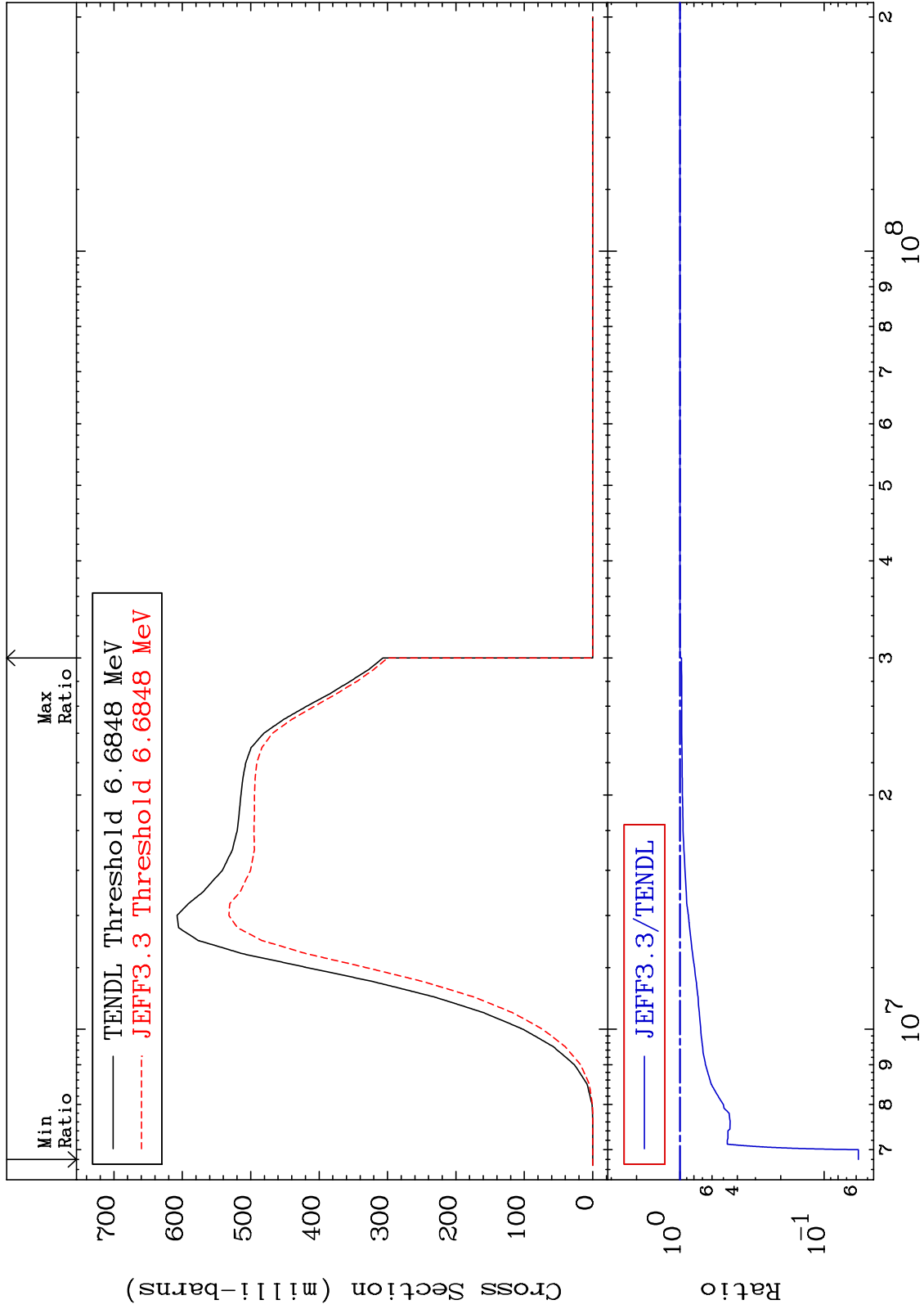
MAT 2519

(n, n') p

25-Mn-53

-94.21 To 0.000 %

Cross Section



9

Incident Energy (eV)

25-Mn-53

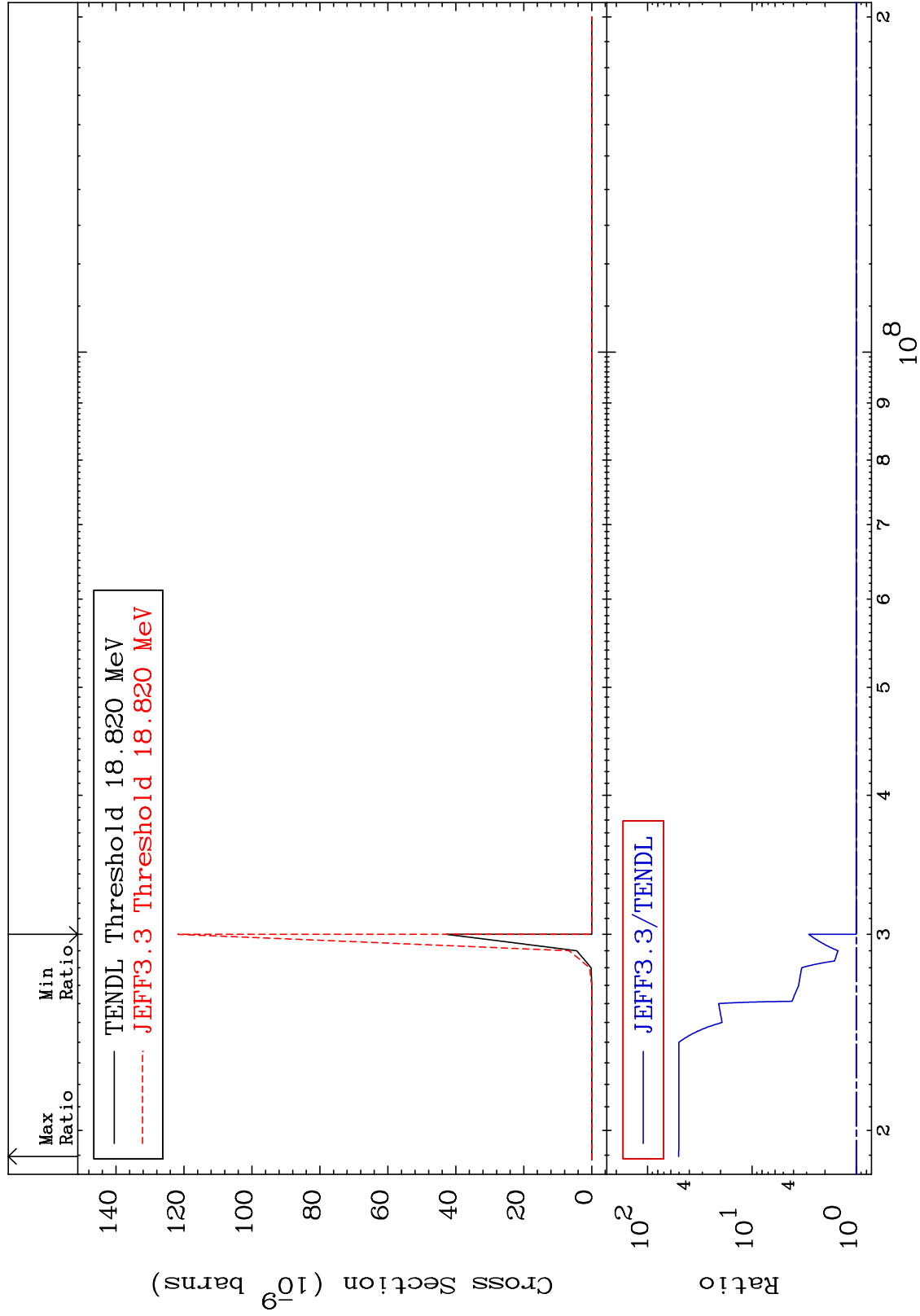
MAT 2519

(n,n') 2α

25-Mn-53

Cross Section

0.000 To 4942. %



10

Incident Energy (eV)

25-Mn-53

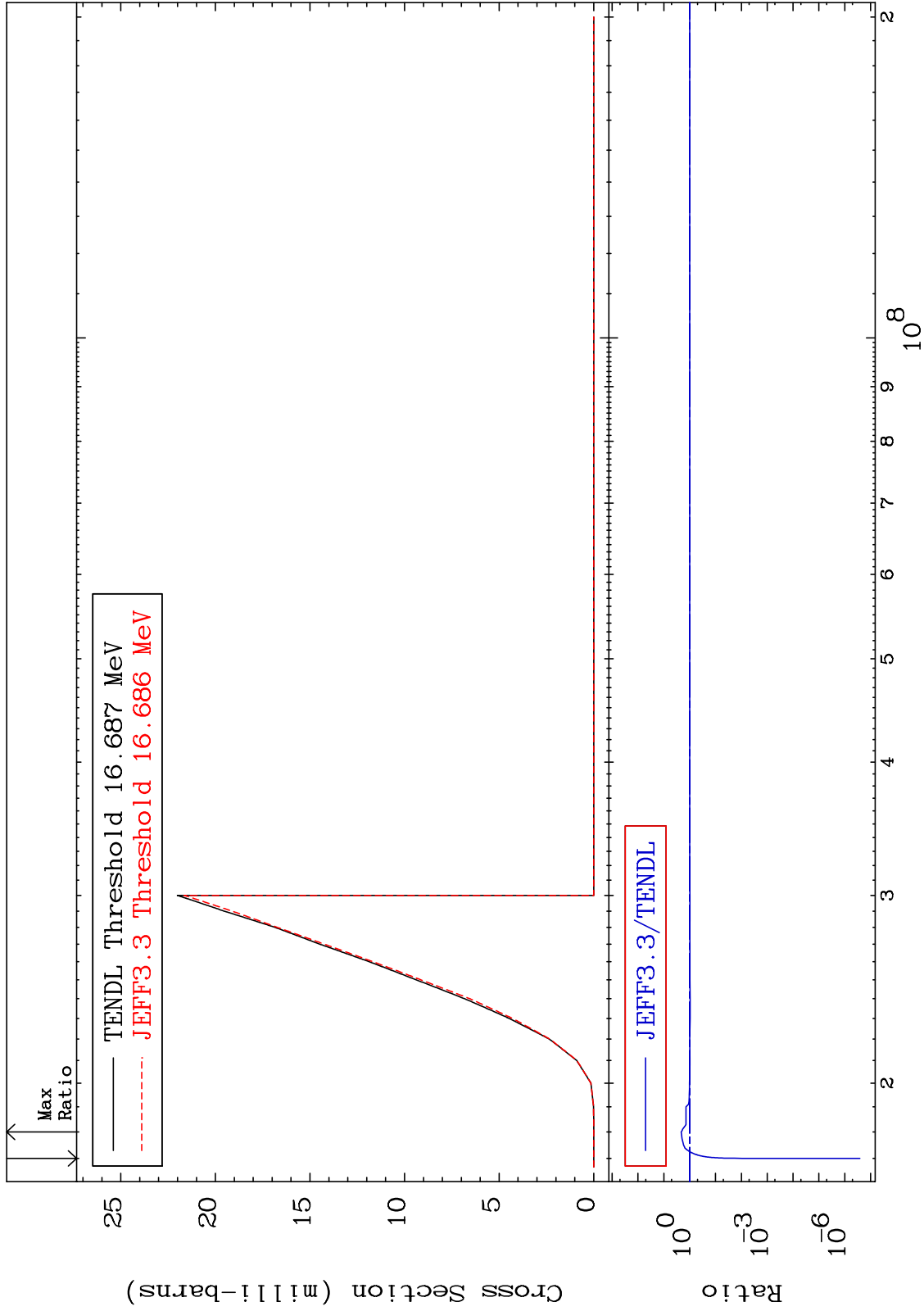
MAT 2519

(n, n') d

<sup>25</sup>Mn-53

Cross Section

-100.0 To 112.4 %



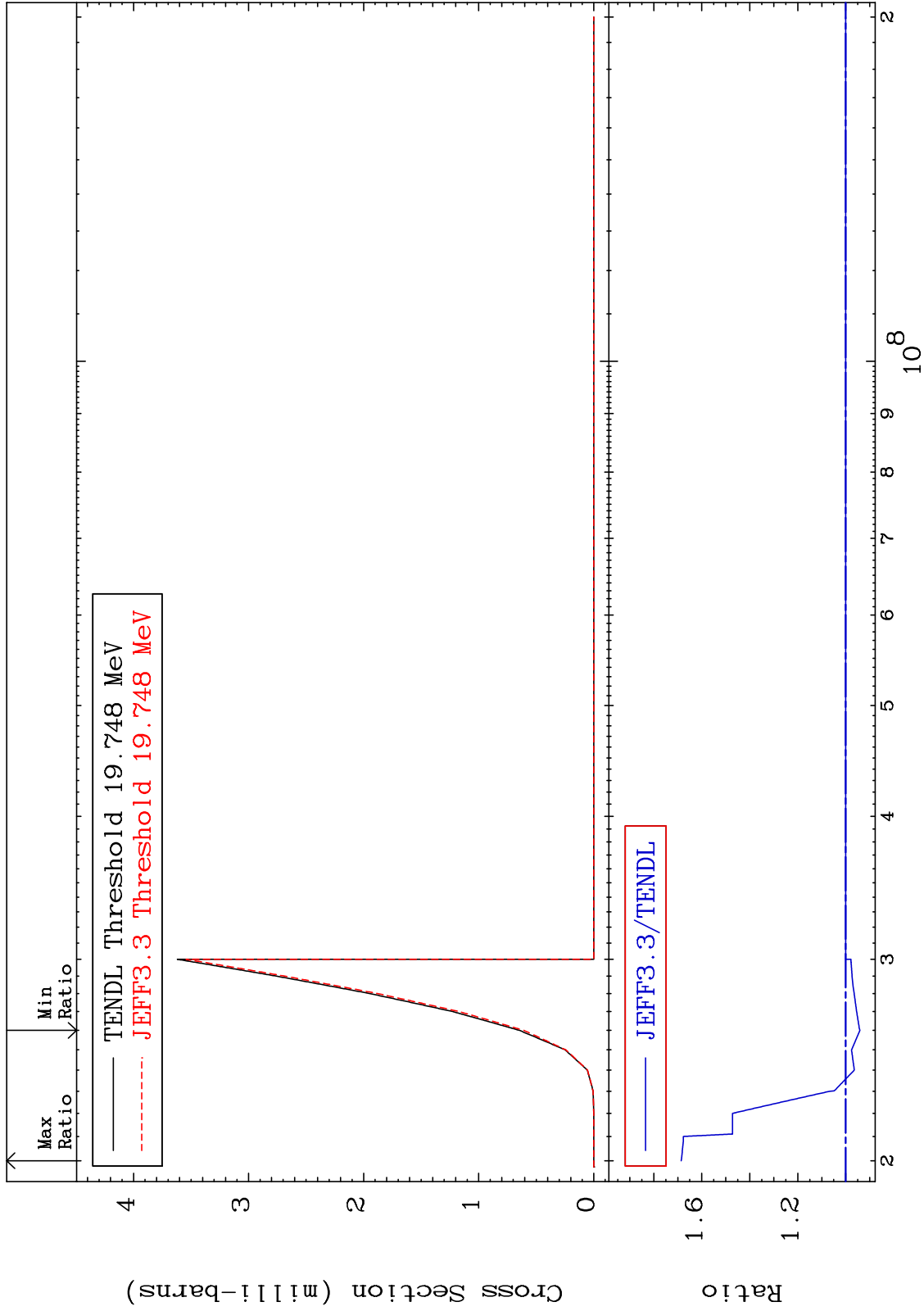
MAT 2519

(n, n') t

<sup>25</sup>Mn-53

Cross Section

-5.902 To 68.56 %



12

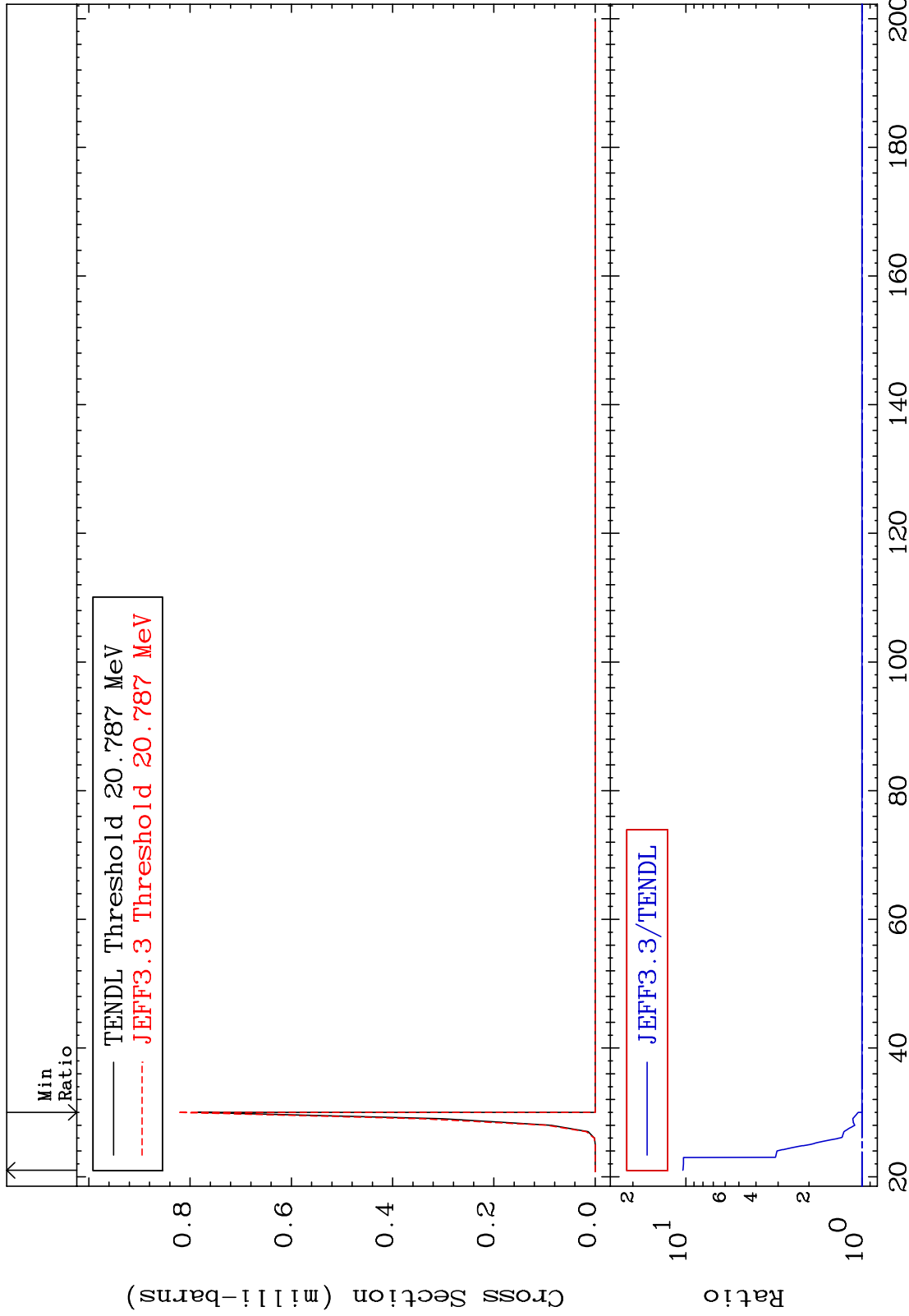
Incident Energy (eV)

<sup>25</sup>Mn-53

MAT 2519

(n, n') He-3  
Cross Section

25-Mn-53  
0.000 To 940.7 %



25-Mn-53

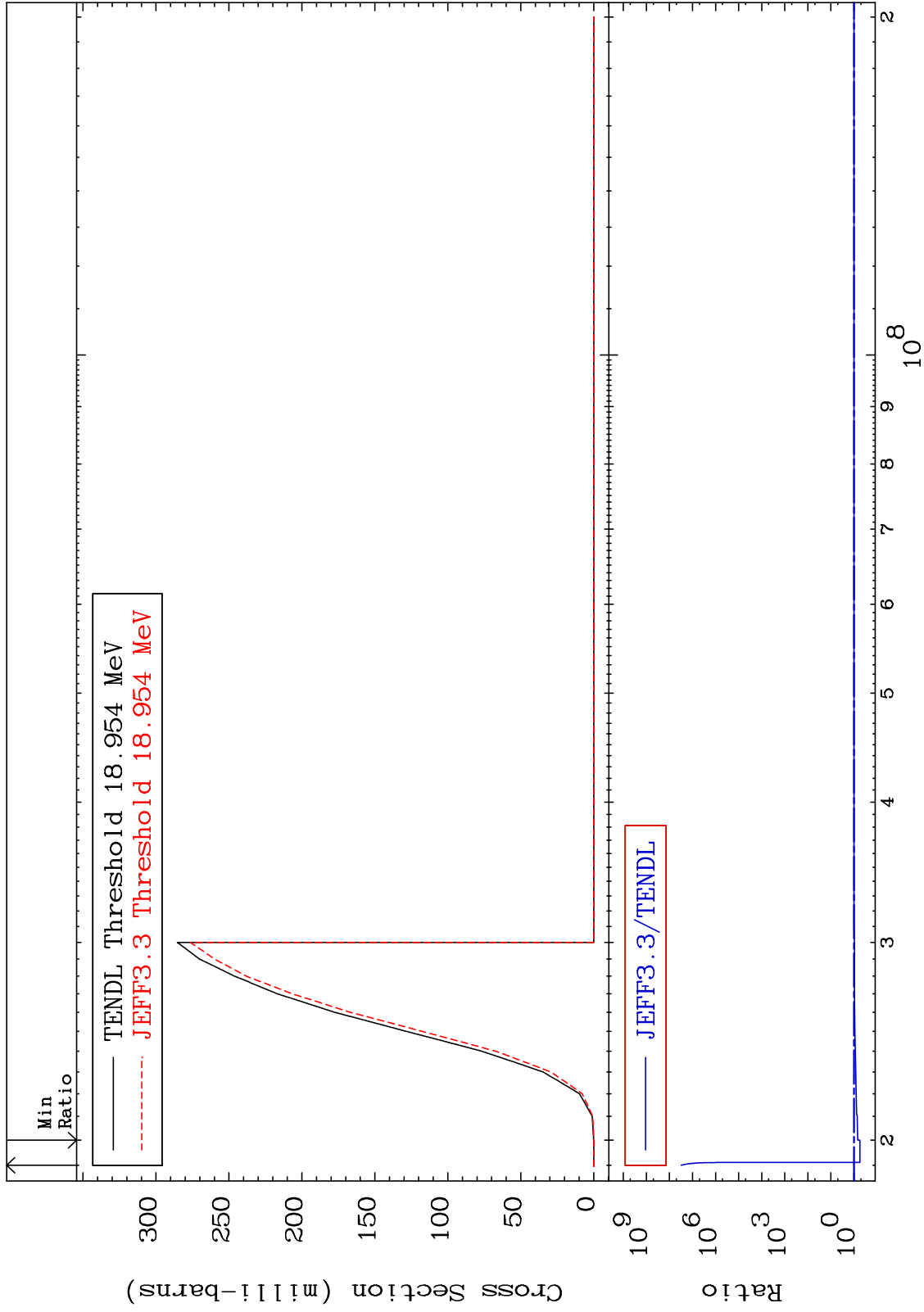
Incident Energy (MeV)

13

MAT 2519

(n,2n) p  
Cross Section

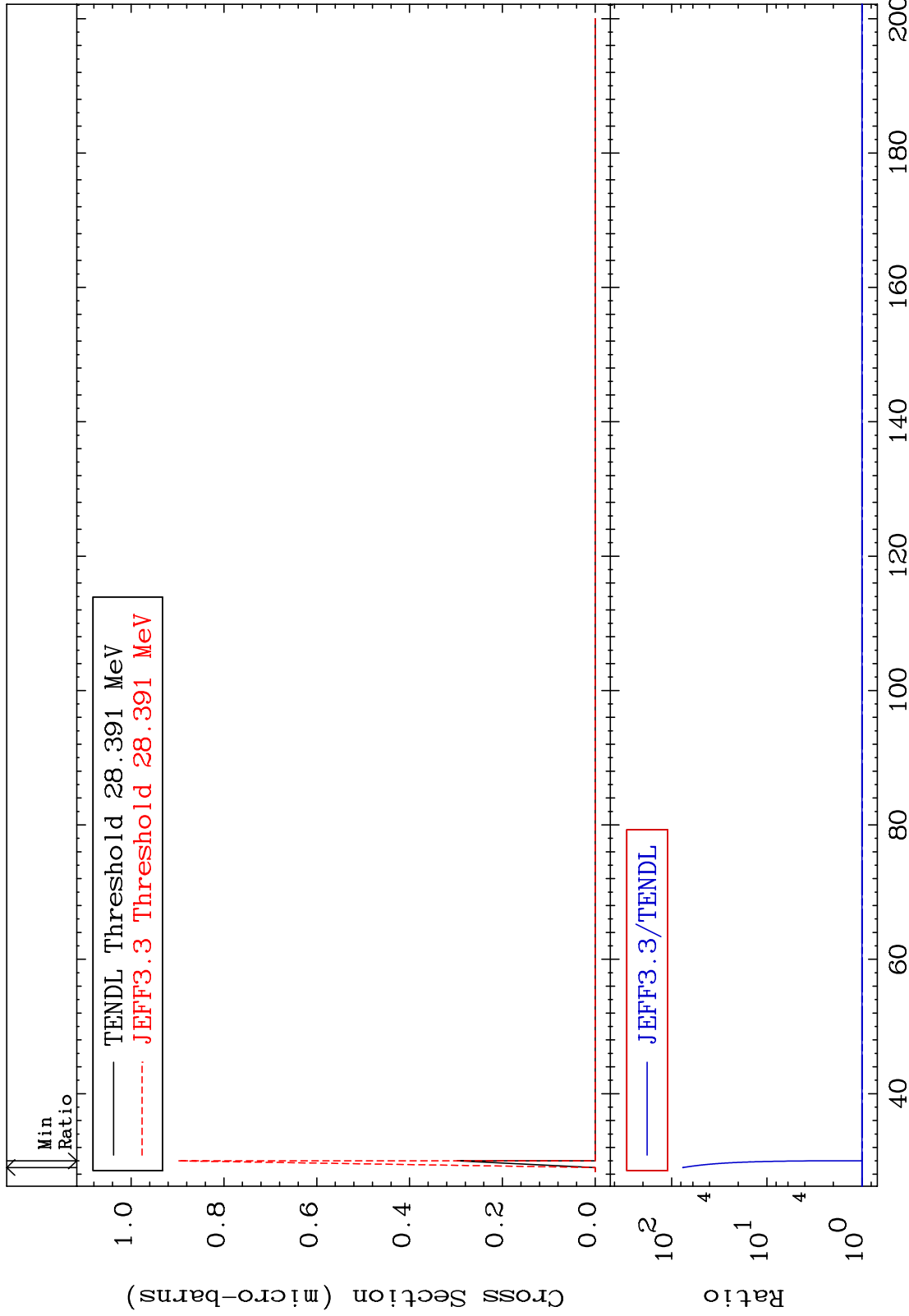
25-Mn-53  
-44.68 To 9999. %



MAT 2519

(n,3n) p  
Cross Section

25-Mn-53  
0.000 To 7528. %

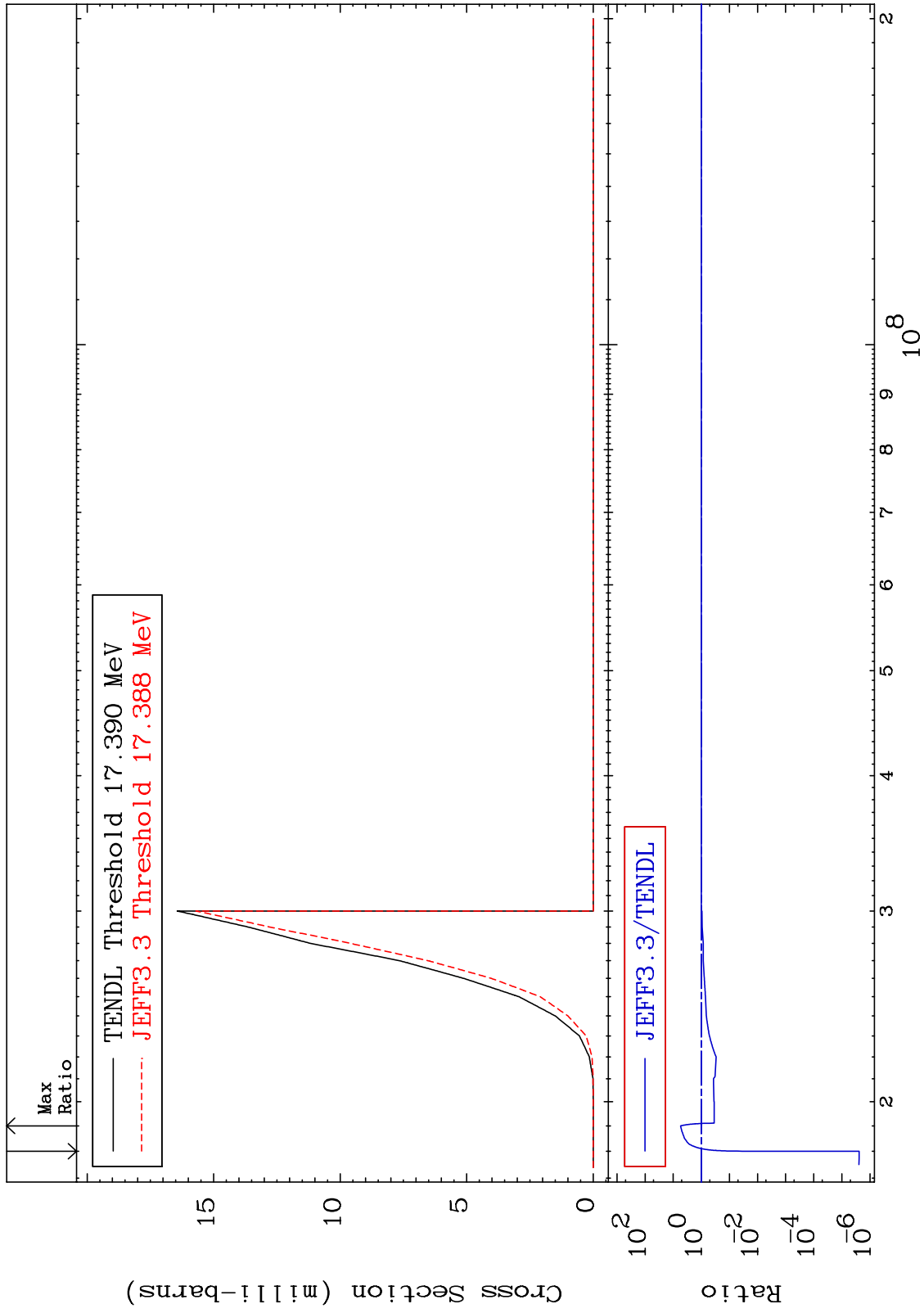




MAT 2519

(n,2n) p  
Cross Section

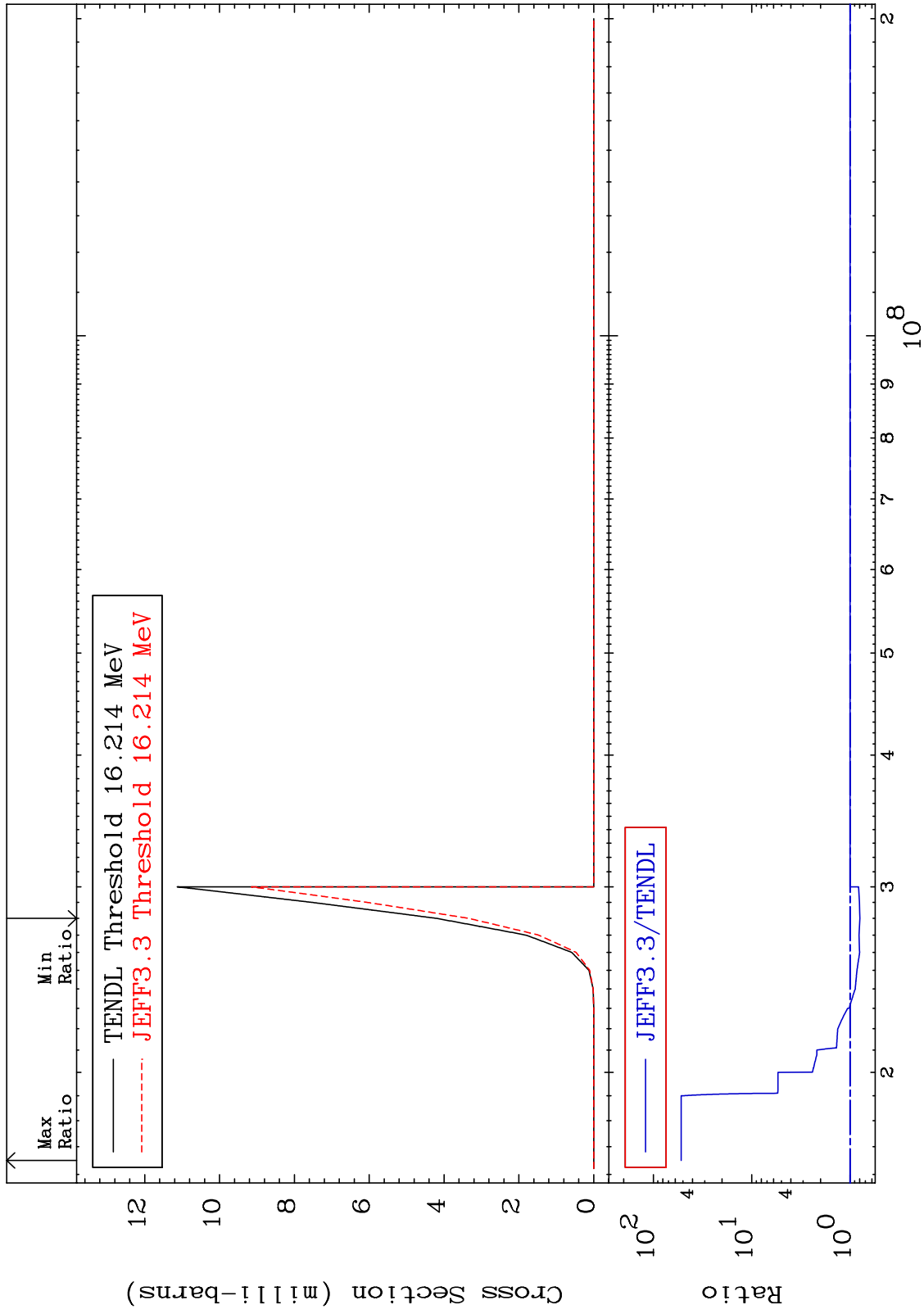
<sup>25</sup>Mn-53  
-100.0 To 445.6 %

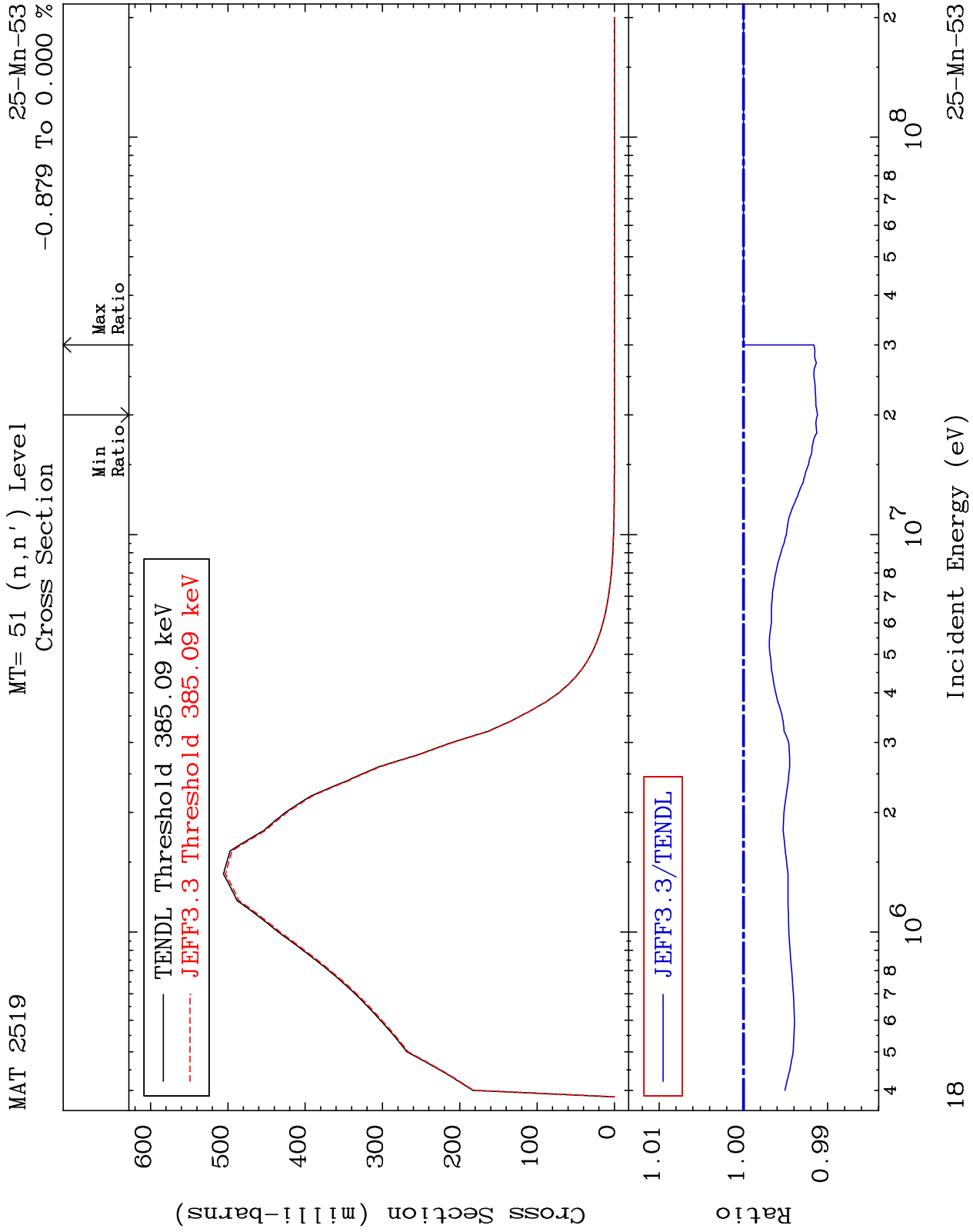


MAT 2519

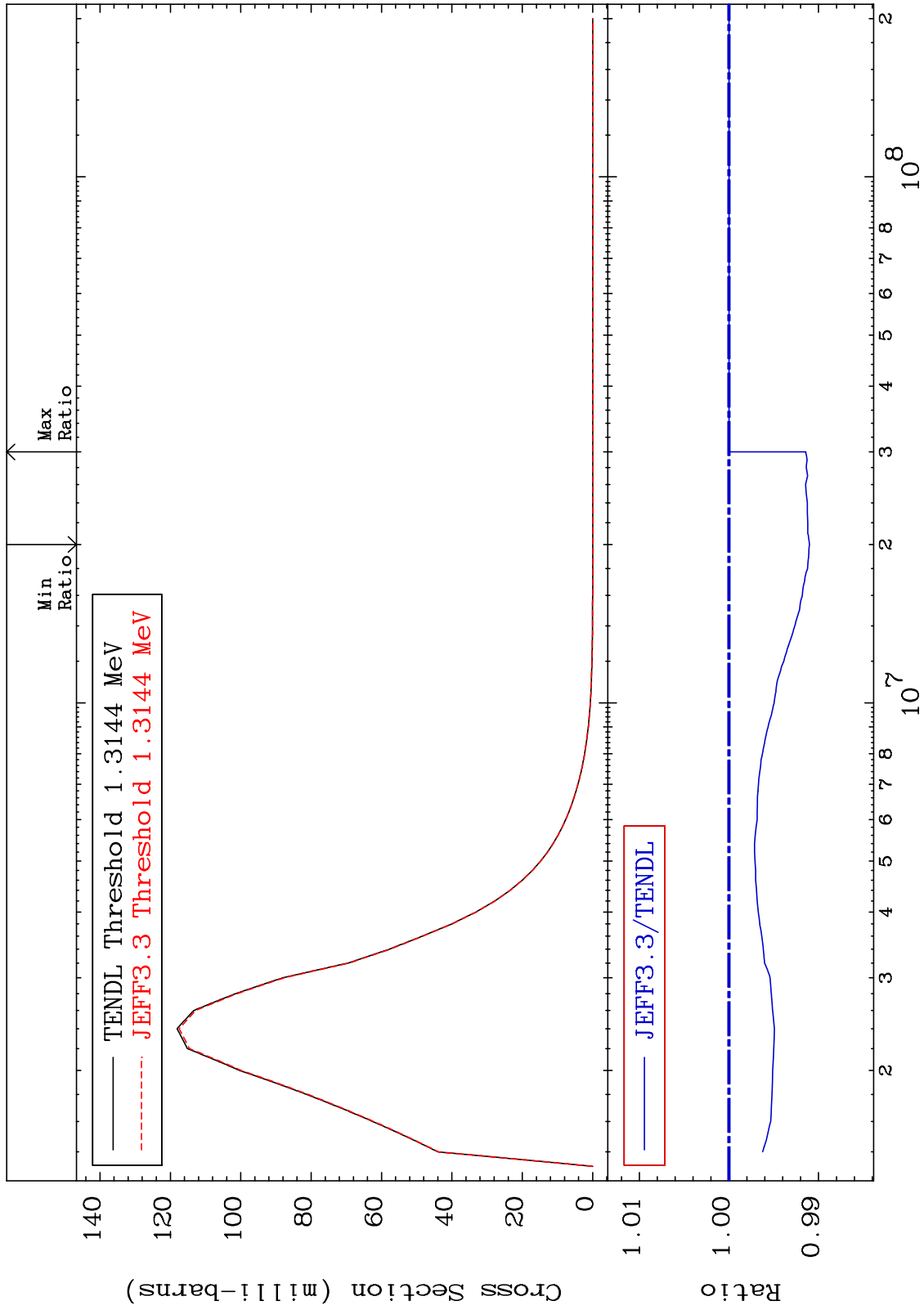
(n,n') p  $\alpha$   
Cross Section

<sup>25</sup>Mn-53  
-20.50 To 5105. %

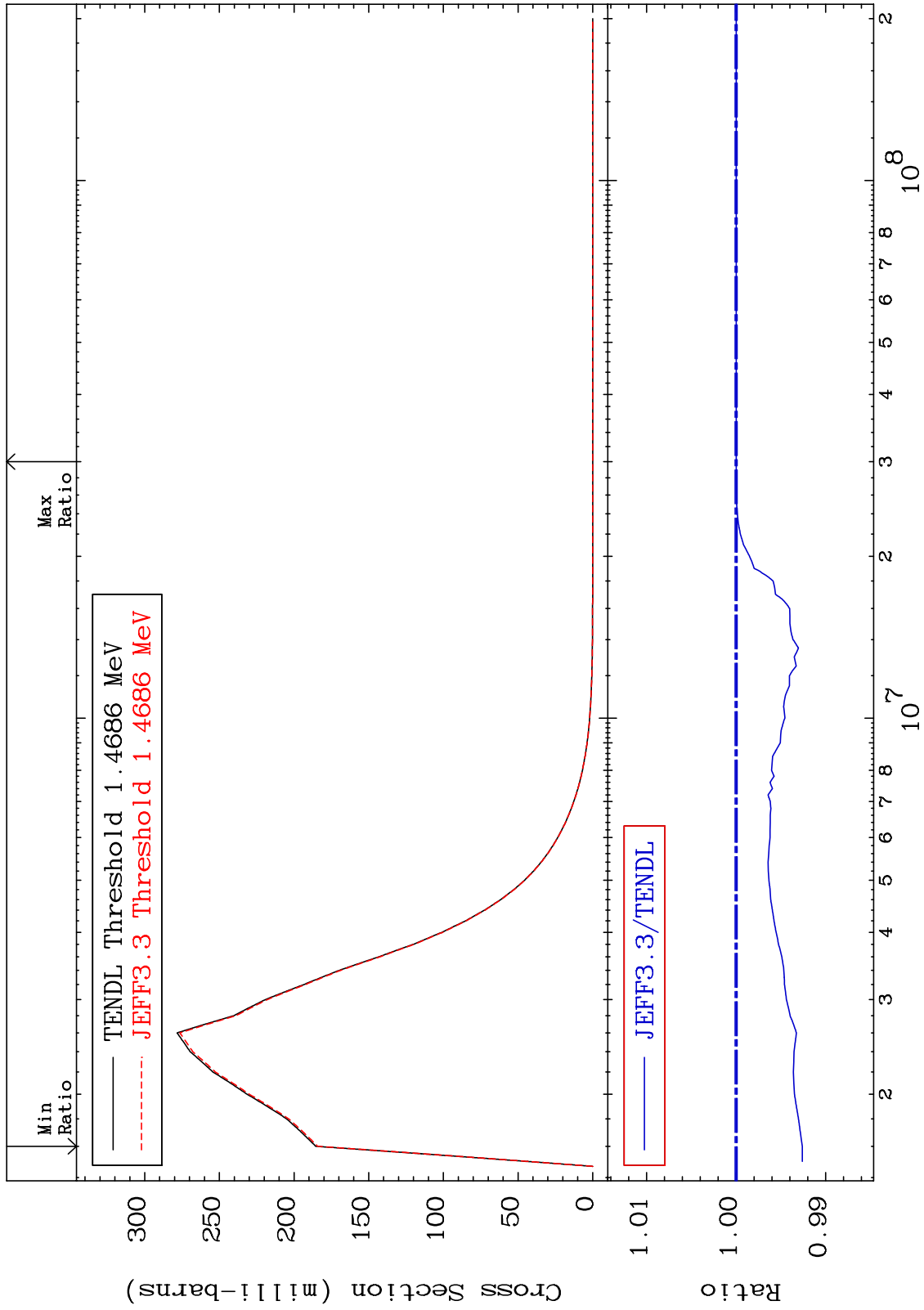




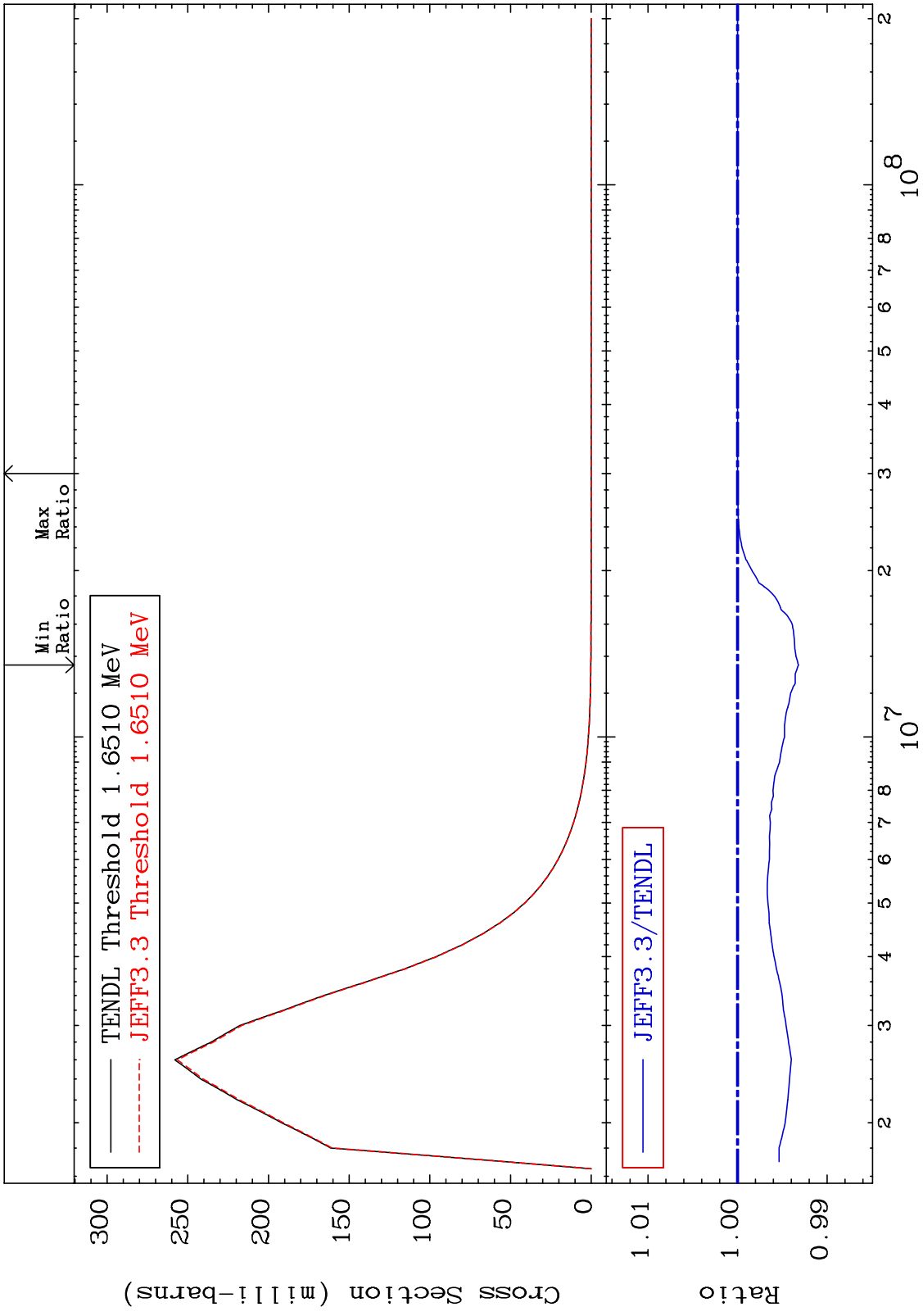
MAT 2519      MT= 52 (n, n') Level      25-Mn-53  
 Cross Section      -0.899 To 0.000 %



MAT 2519 MT= 53 (n,n') Level Cross Section -0.739 To 0.000 % 25-Mn-53



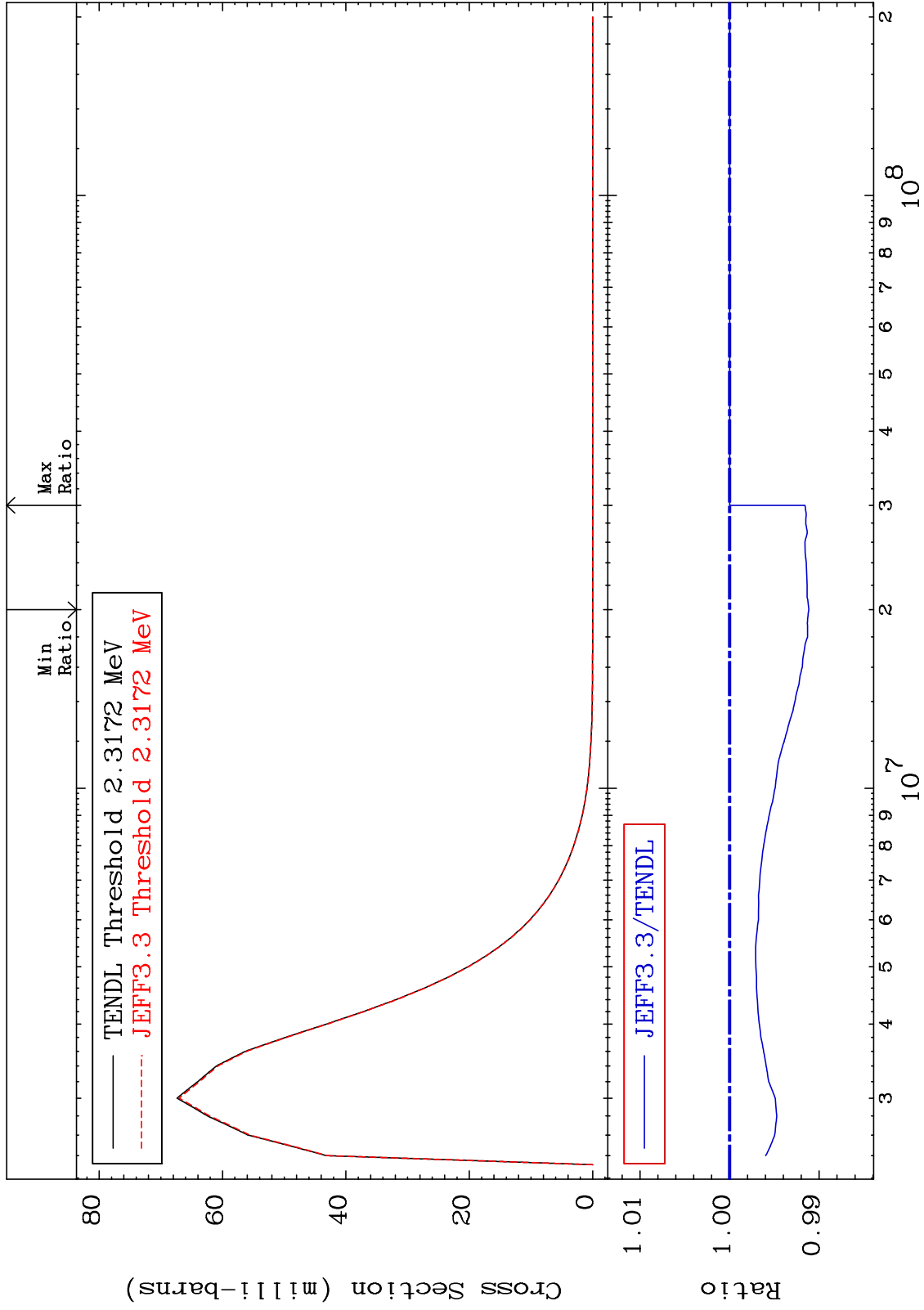
MAT 2519      MT= 54 (n,n') Level      25-Mn-53  
 Cross Section      -0.679 To 0.000 %



MAT 2519

MT= 55 (n,n') Level  
Cross Section

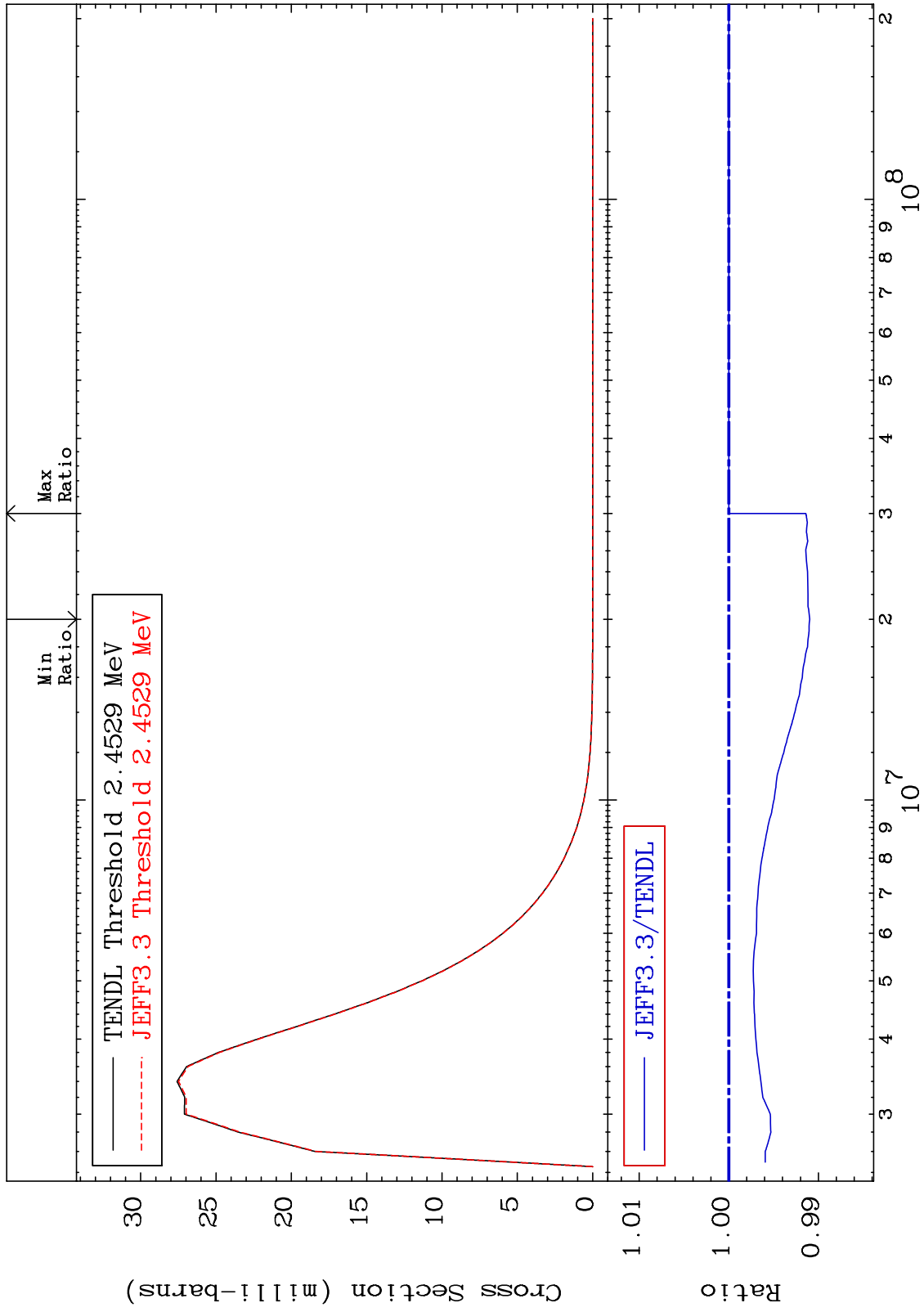
25-Mn-53  
-0.885 To 0.000 %



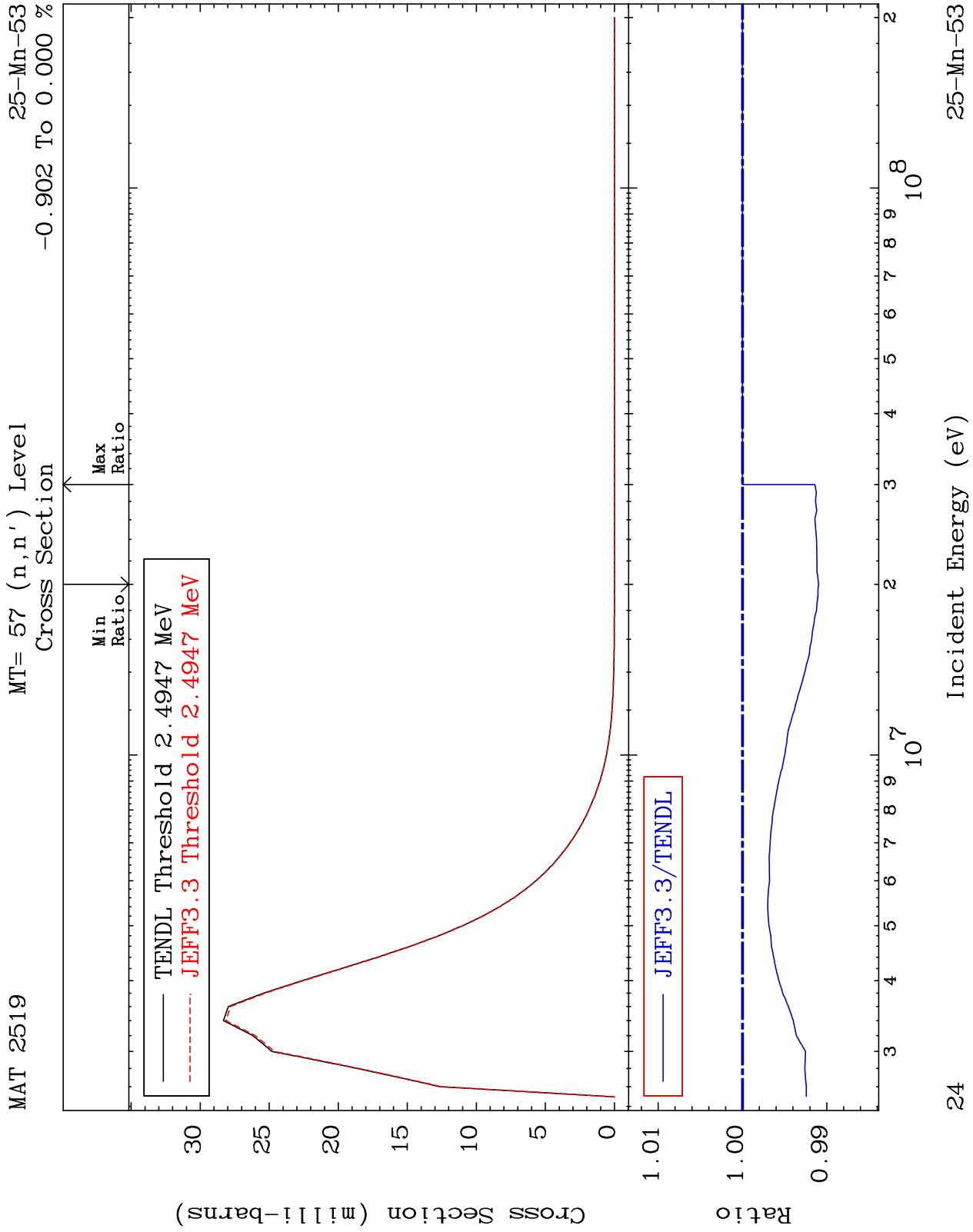
MAT 2519

MT= 56 (n,n') Level  
Cross Section

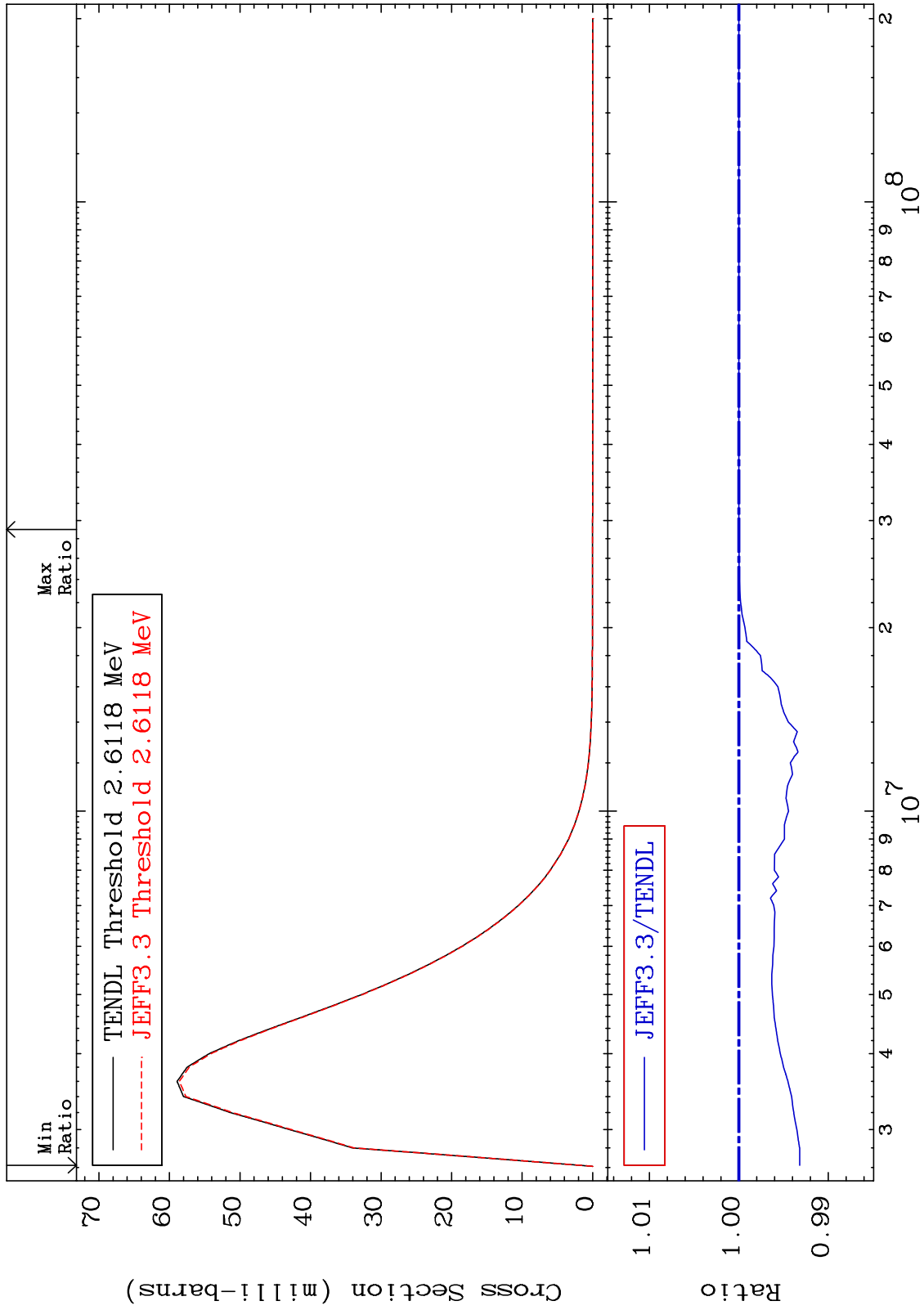
25-Mn-53  
-0.902 To 0.000 %

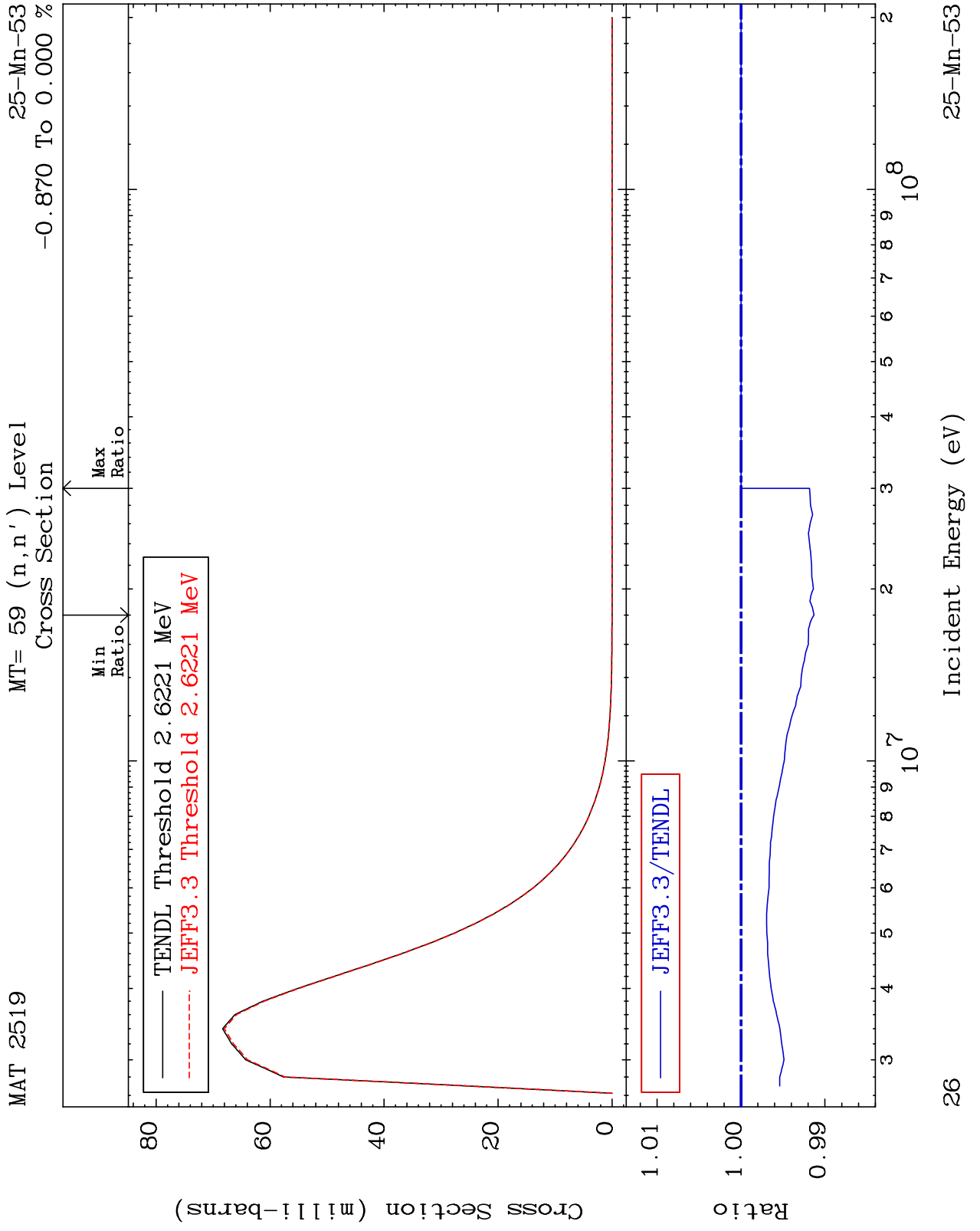




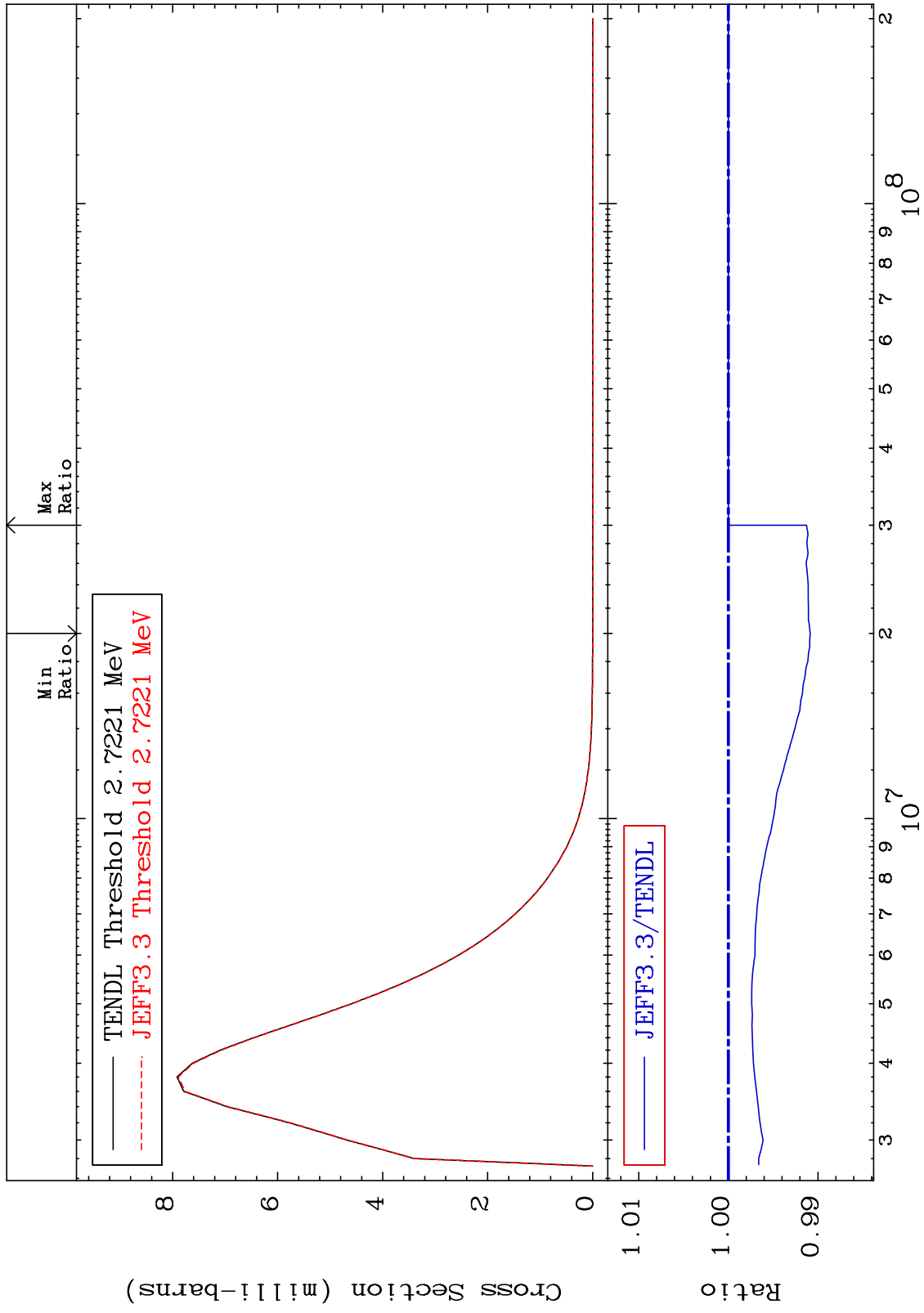


MAT 2519      MT= 58 (n, n') Level Cross Section      25-Mn-53  
-0.679 To 0.000 %





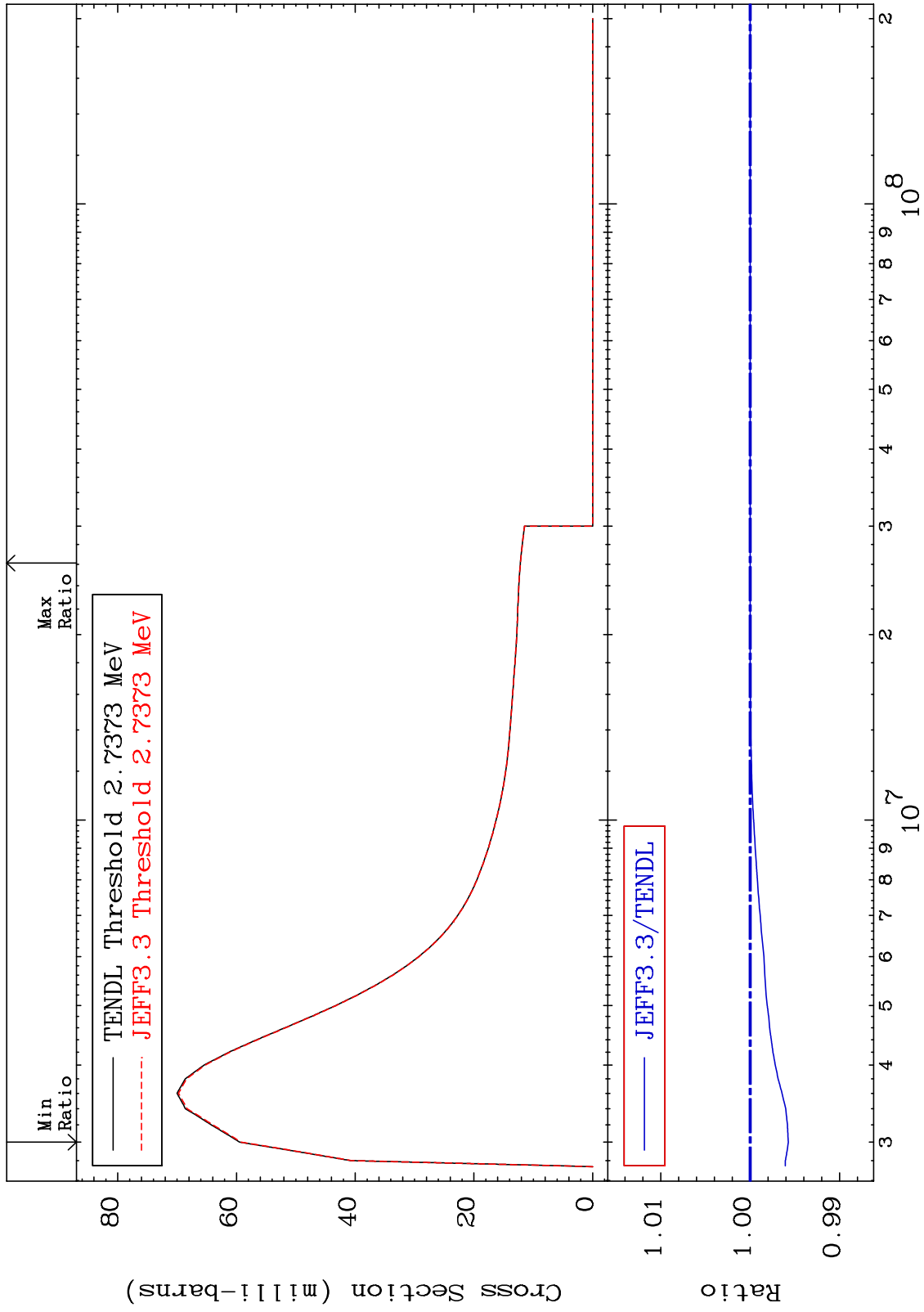
MAT 2519      MT= 60 (n,n') Level Cross Section      25-Mn-53  
 -0.913 To 0.000 %



MAT 2519

MT= 61 (n,n') Level  
Cross Section

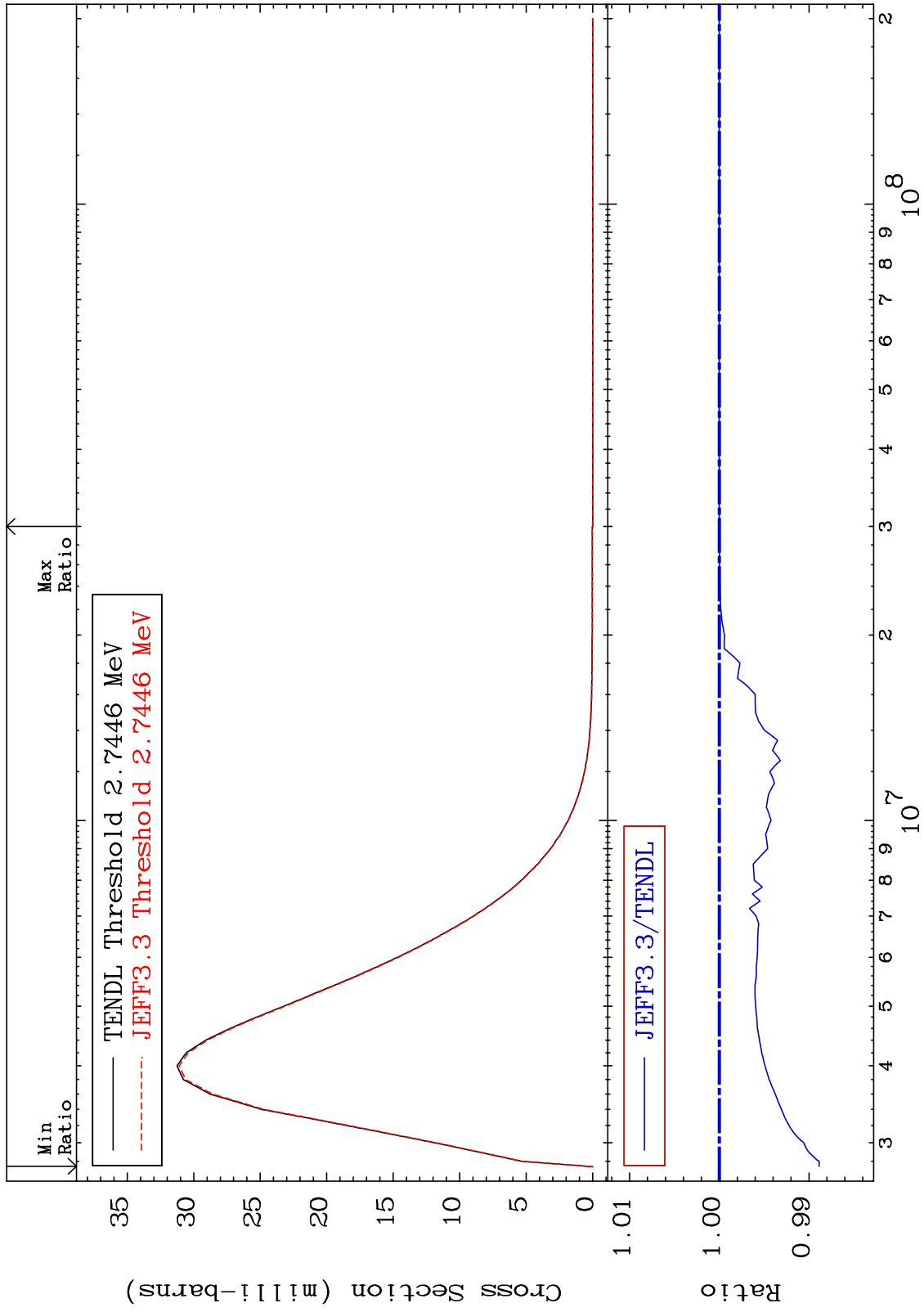
25-Mn-53  
-0.426 To 0.000 %



MAT 2519

MT= 62 (n, n') Level  
Cross Section

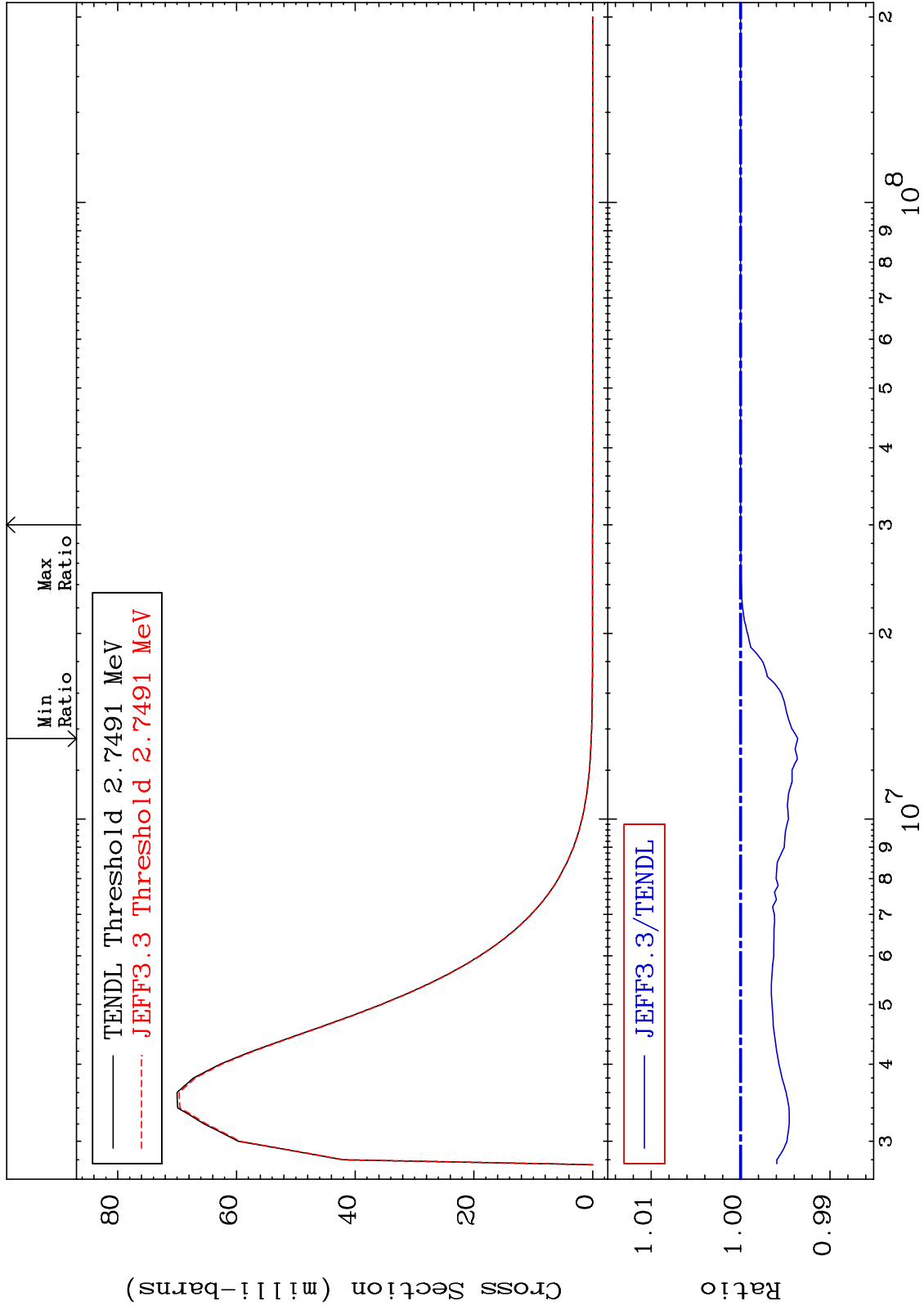
25-Mn-53  
-1.113 To 0.000 %



MAT 2519

MT= 63 (n, n') Level  
Cross Section

25-Mn-53  
-0.640 To 0.000 %



30

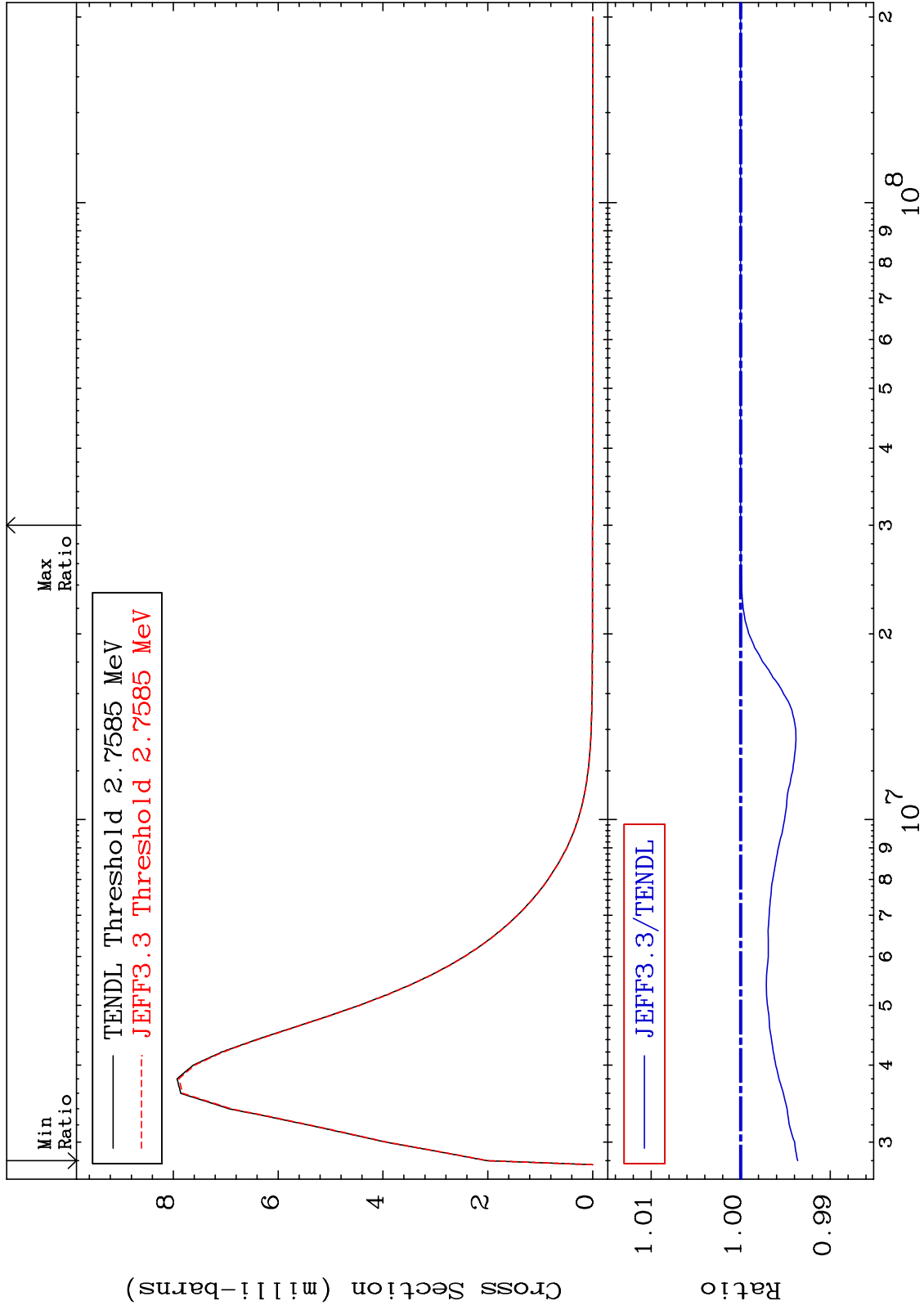
Incident Energy (eV)

25-Mn-53

MAT 2519

MT= 64 (n, n') Level  
Cross Section

25-Mn-53  
-0.638 To 0.000 %

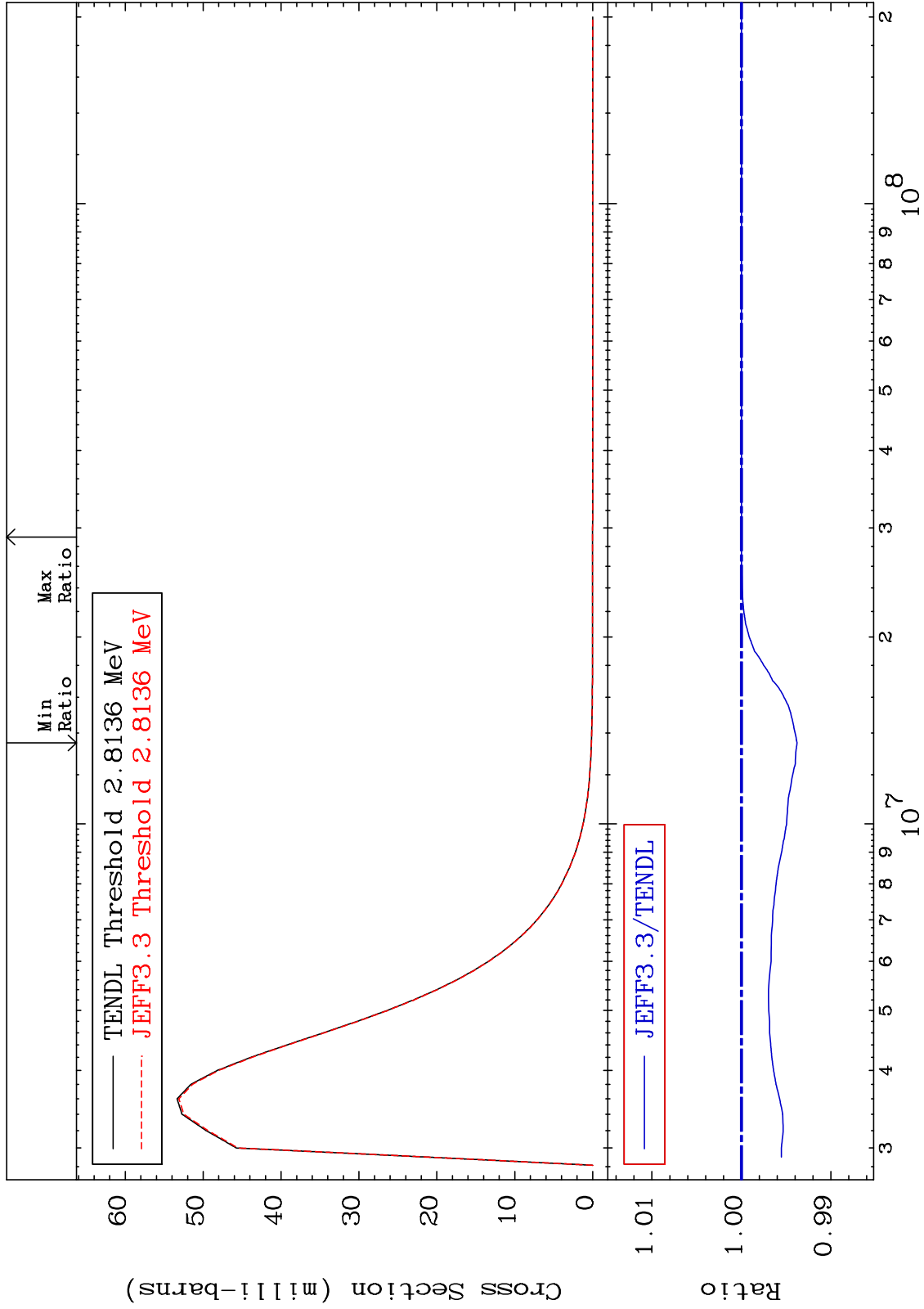




MAT 2519

MT= 65 (n, n') Level  
Cross Section

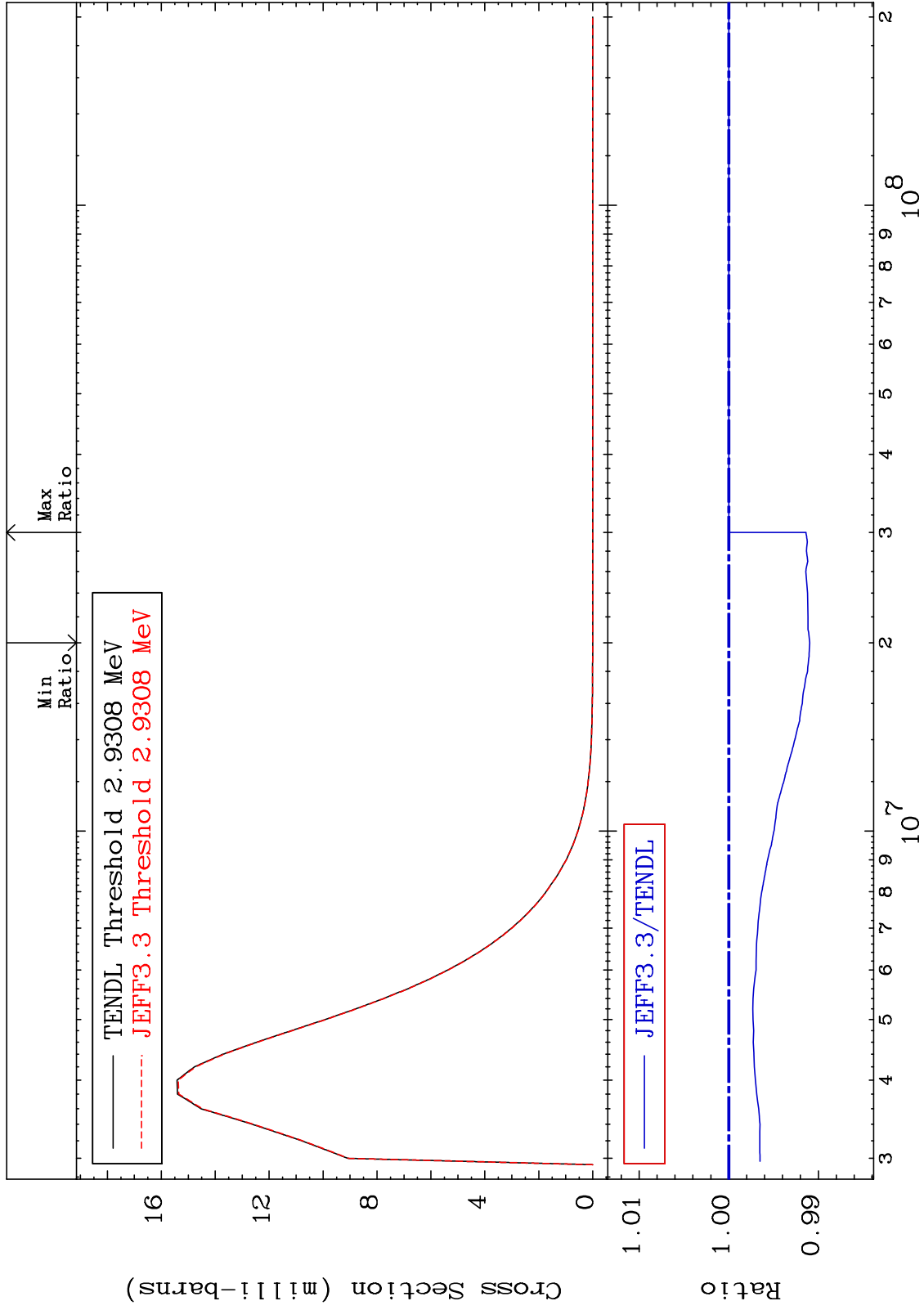
25-Mn-53  
-0.622 To 0.000 %



MAT 2519

MT= 66 (n,n') Level  
Cross Section

25-Mn-53  
-0.903 To 0.000 %



33

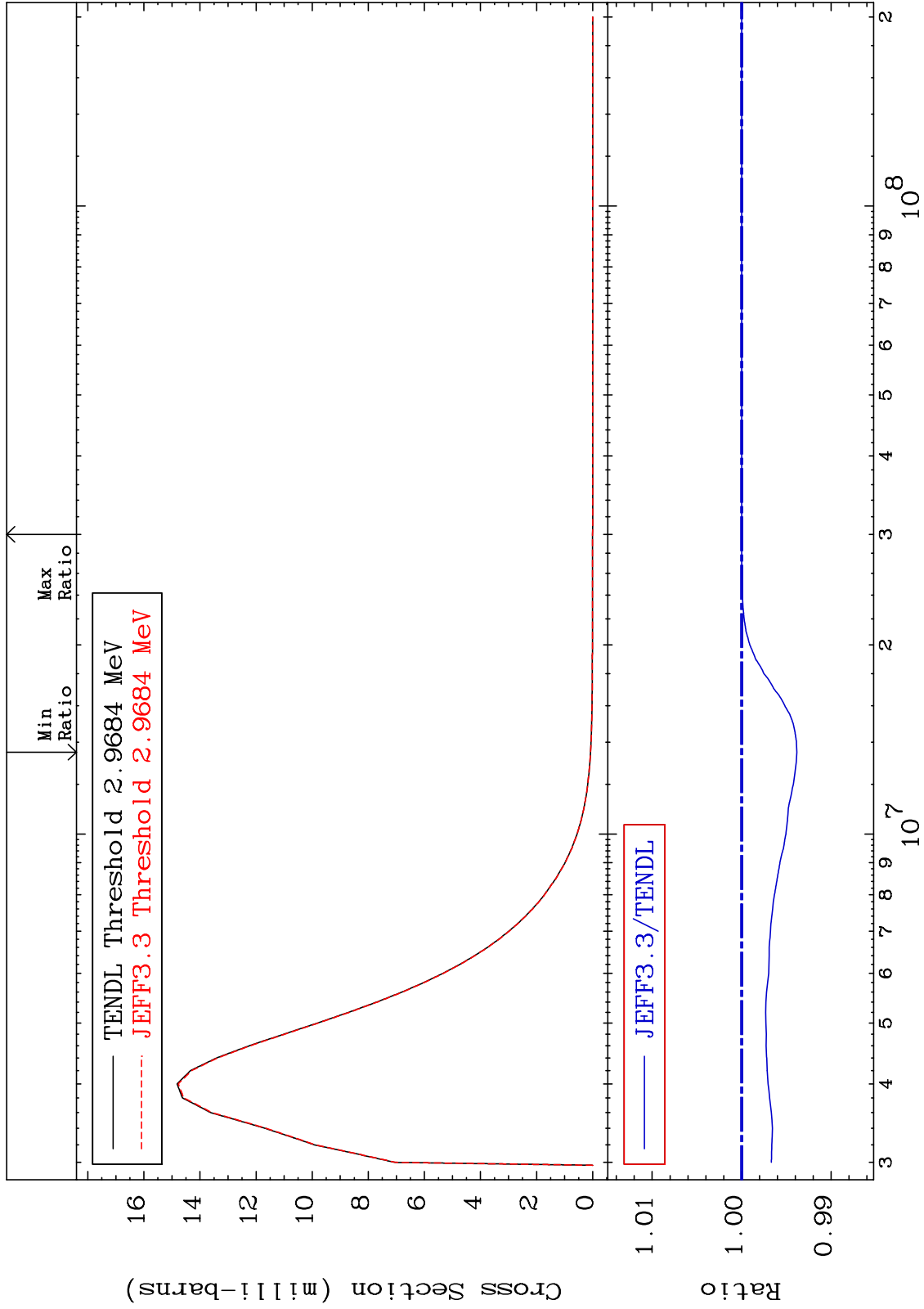
Incident Energy (eV)

25-Mn-53

MAT 2519

MT= 67 (n, n') Level  
Cross Section

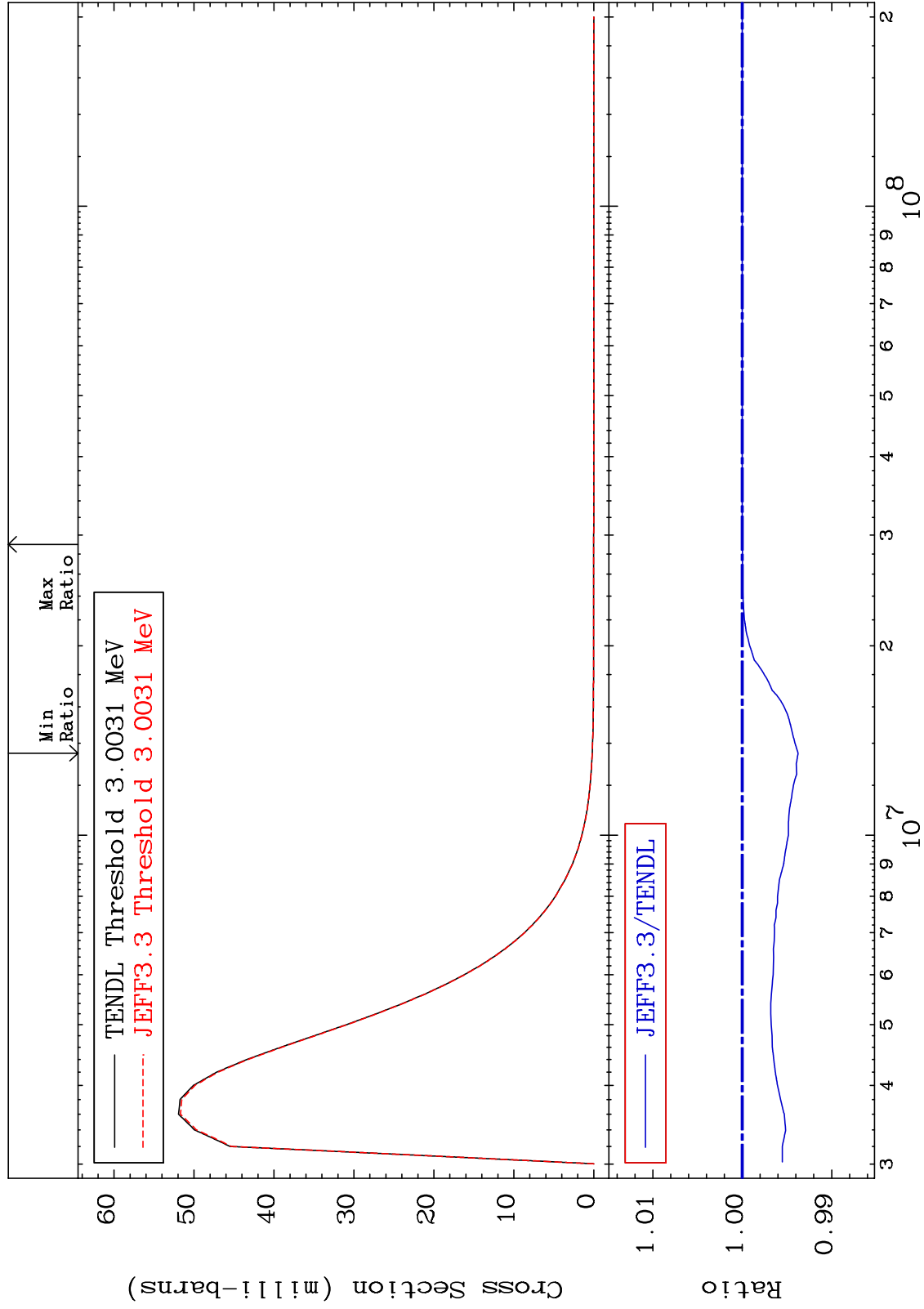
25-Mn-53  
-0.617 To 0.000 %



MAT 2519

MT= 68 (n, n') Level  
Cross Section

25-Mn-53  
-0.624 To 0.000 %



35

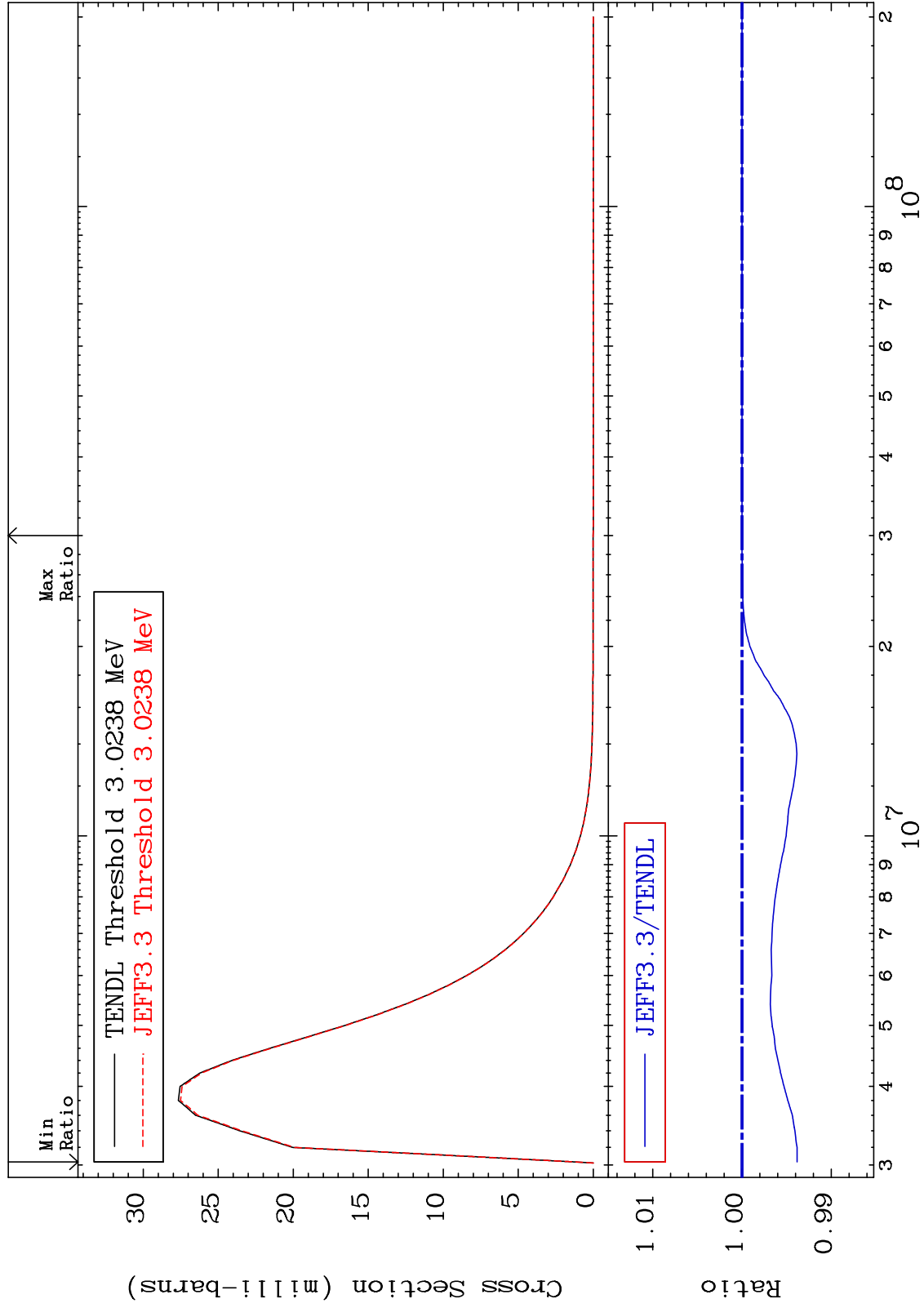
Incident Energy (eV)

25-Mn-53

MAT 2519

MT= 69 (n, n') Level  
Cross Section

25-Mn-53  
-0.617 To 0.000 %

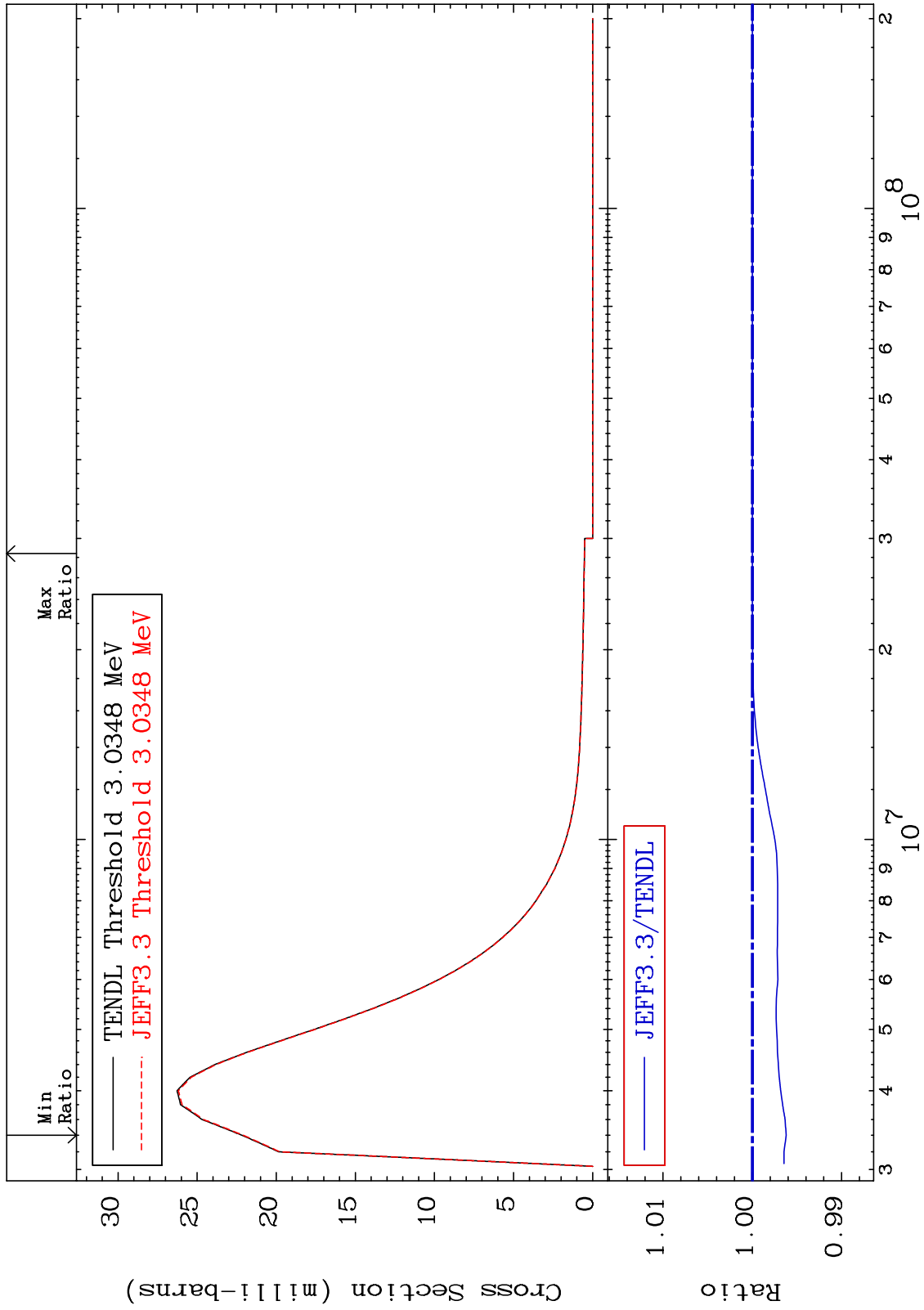


36

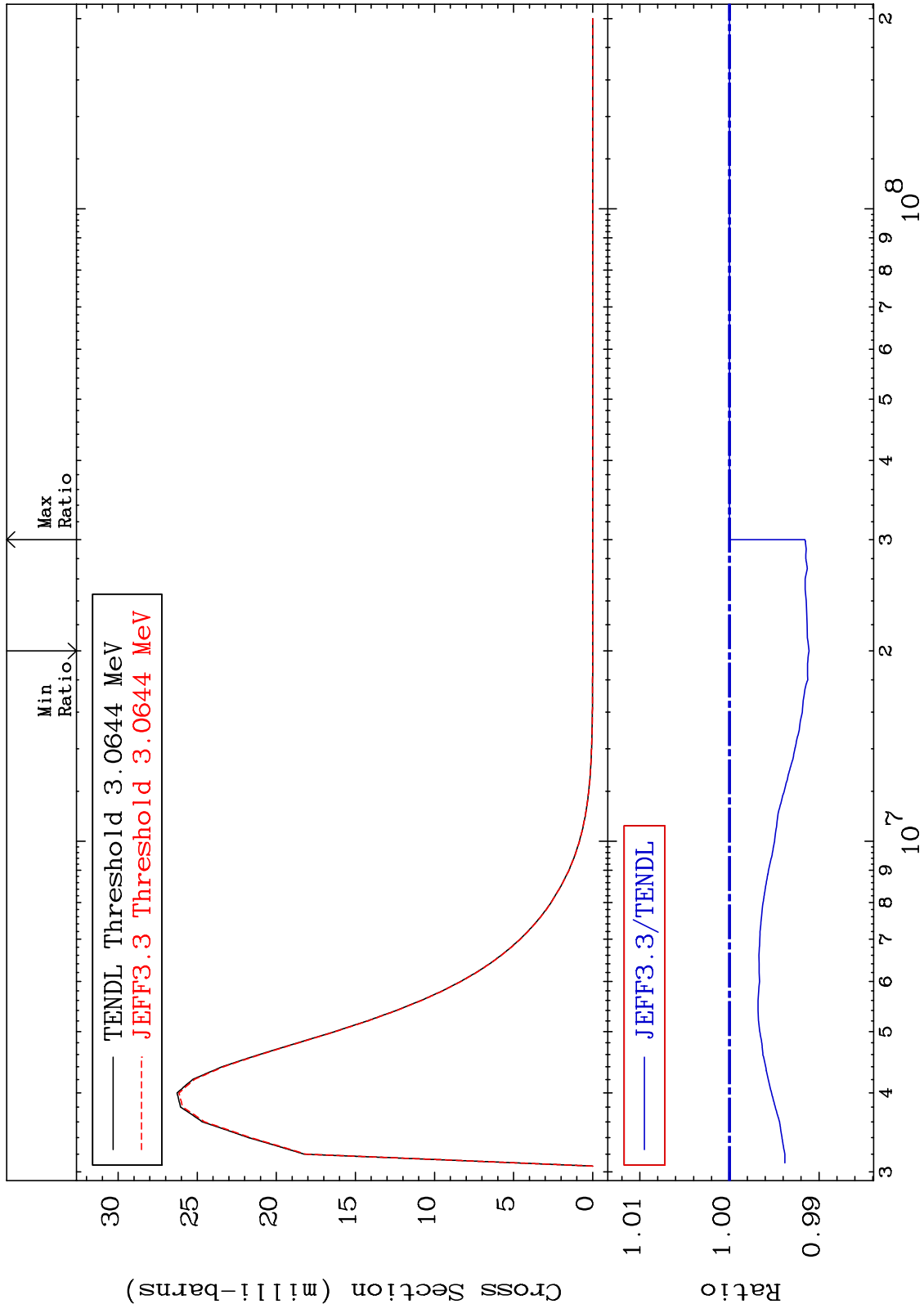
Incident Energy (eV)

25-Mn-53

MAT 2519      MT= 70 (n, n') Level      25-Mn-53  
 Cross Section      -0.379 To 0.000 %



MAT 2519      MT= 71 (n,n') Level      25-Mn-53  
 Cross Section      -0.888 To 0.000 %

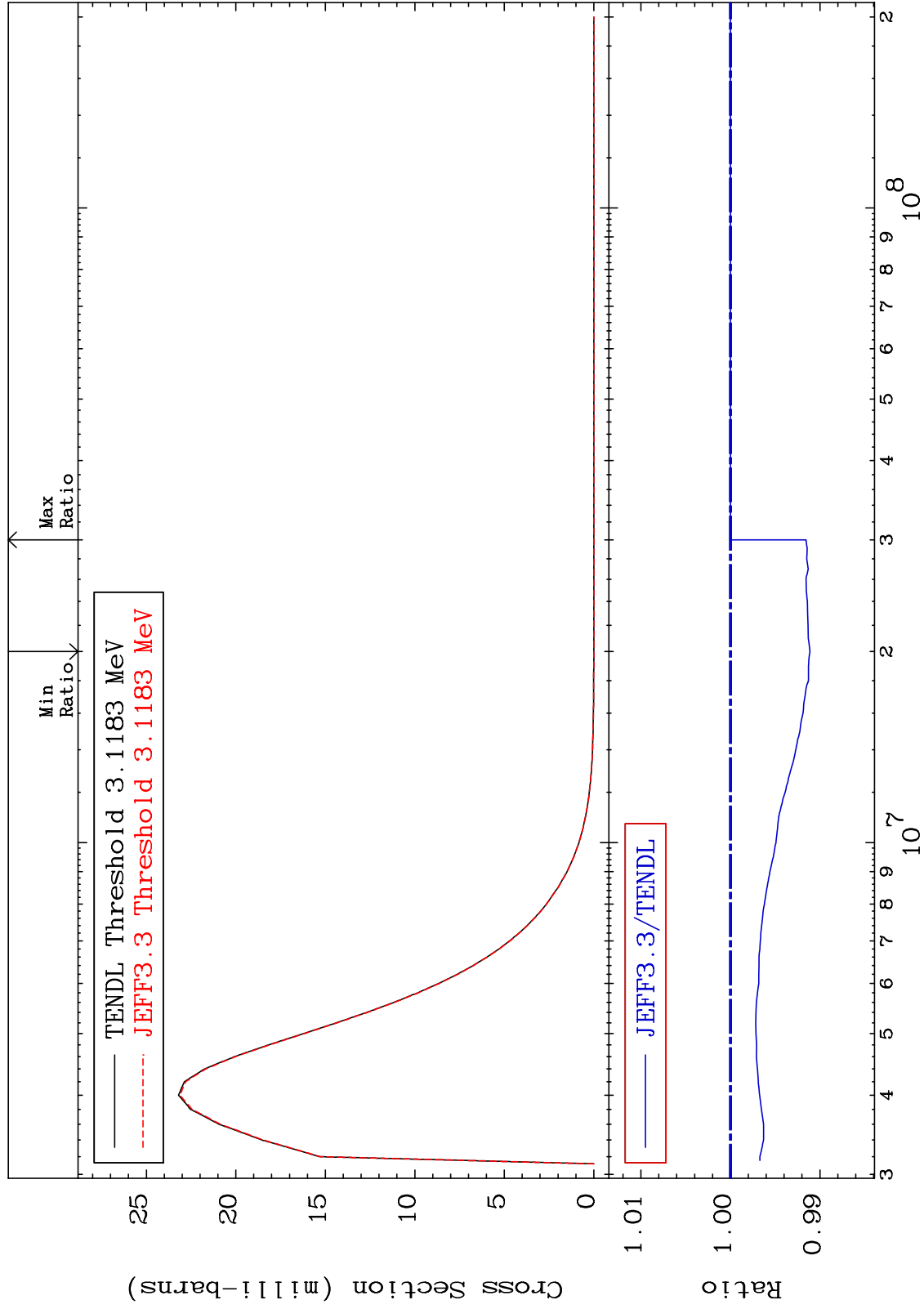


38      Incident Energy (eV)      25-Mn-53

MAT 2519

MT= 72 (n,n') Level  
Cross Section

25-Mn-53  
-0.888 To 0.000 %

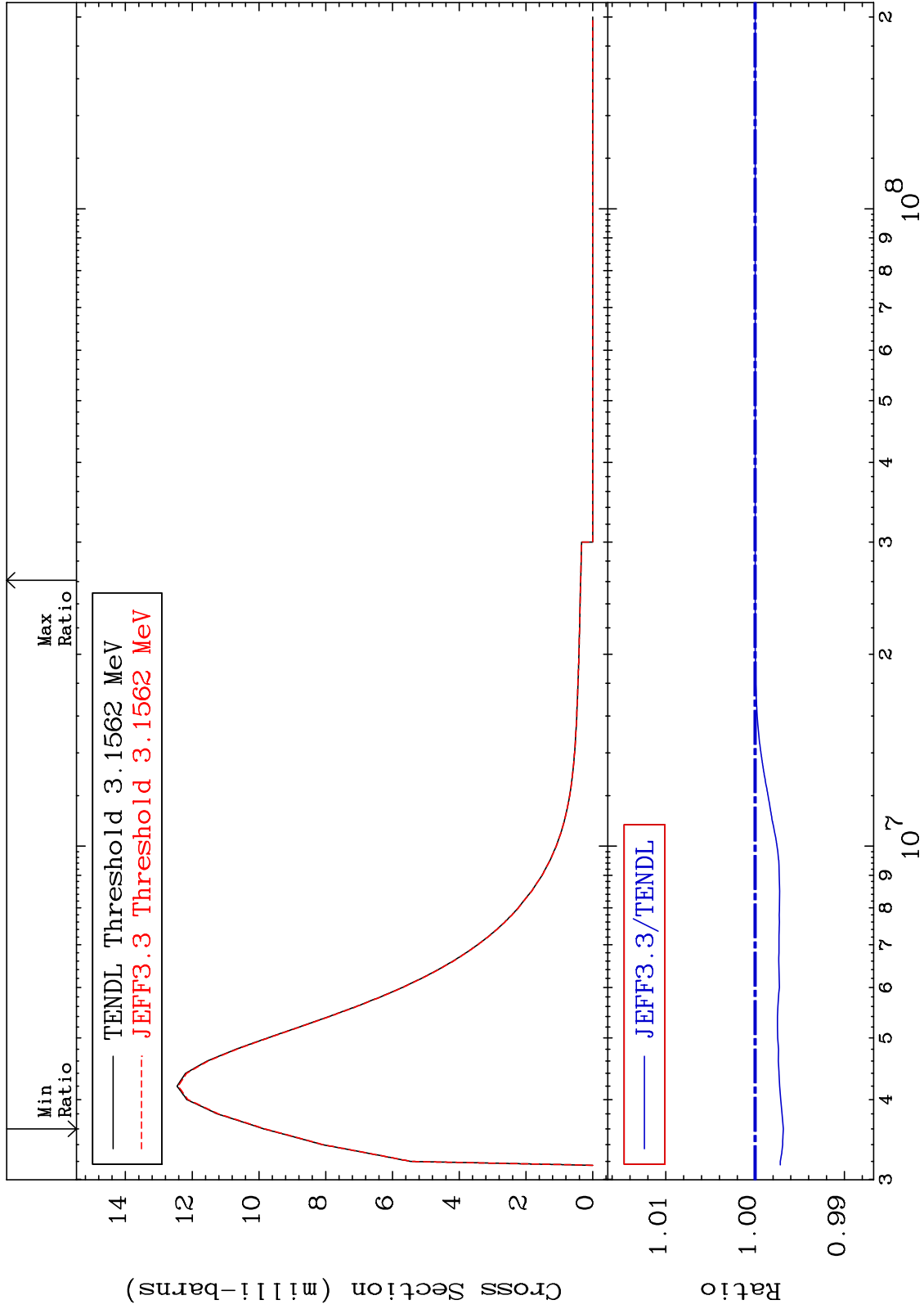




MAT 2519

MT= 73 (n, n') Level  
Cross Section

25-Mn-53  
-0.316 To 0.000 %

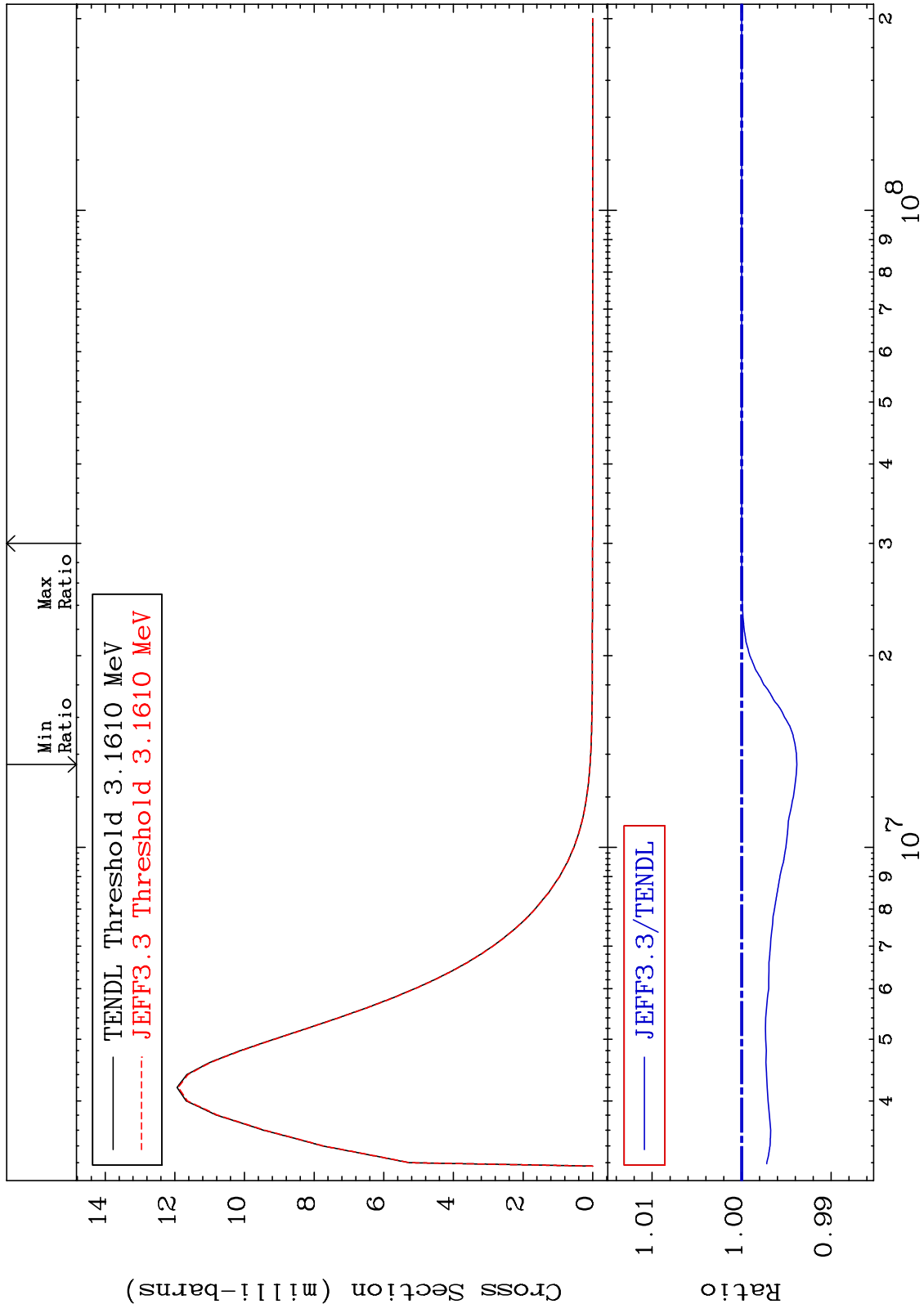


40

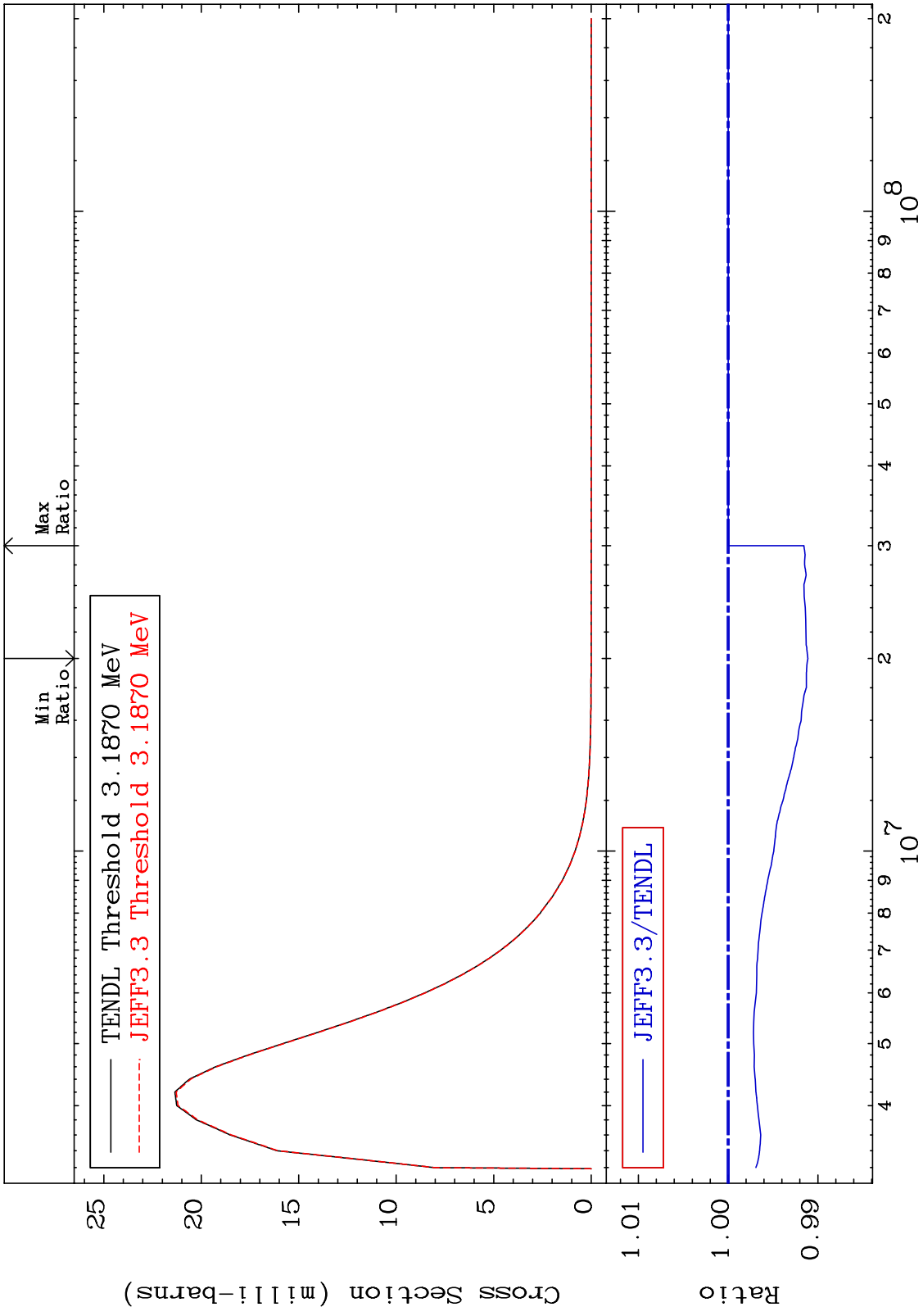
Incident Energy (eV)

25-Mn-53

MAT 2519      MT= 74 (n, n') Level      25-Mn-53  
 Cross Section      -0.617 To 0.000 %



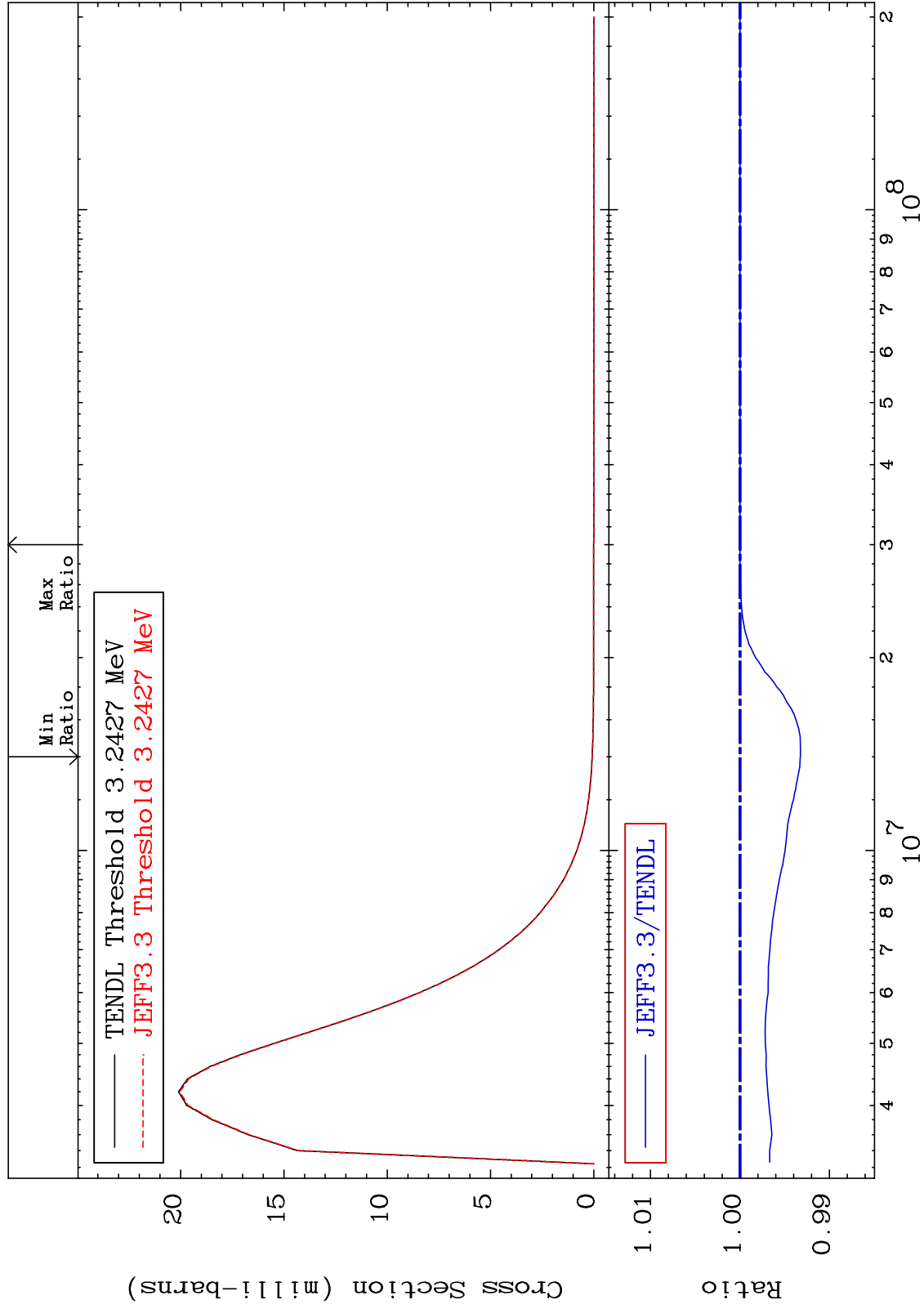
MAT 2519      MT= 75 (n,n') Level      25-Mn-53  
 Cross Section      -0.888 To 0.000 %



MAT 2519

MT= 76 (n,n') Level  
Cross Section

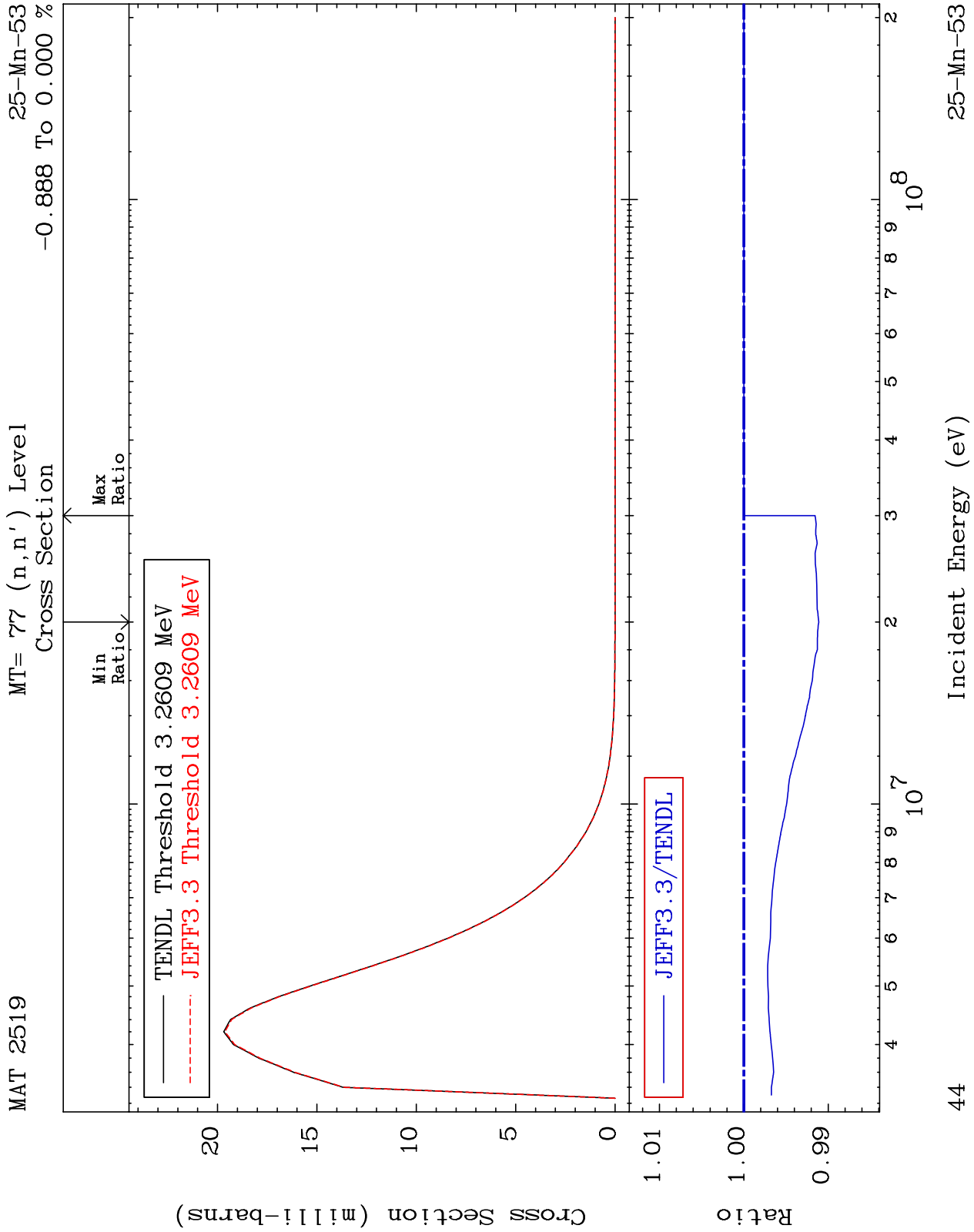
25-Mn-53  
-0.675 To 0.000 %



43

Incident Energy (eV)

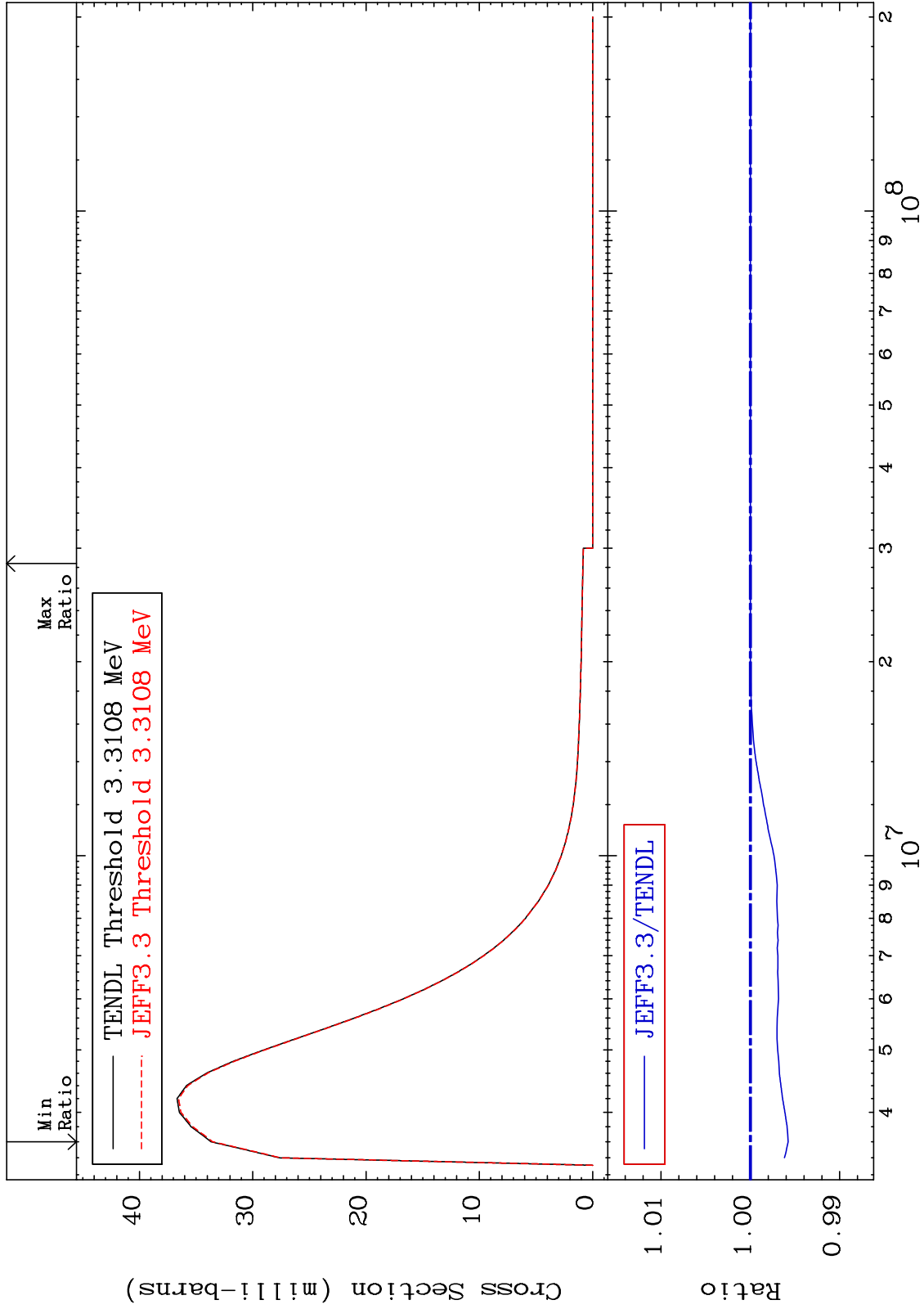
25-Mn-53



MAT 2519

MT= 78 (n,n') Level  
Cross Section

25-Mn-53  
-0.423 To 0.000 %

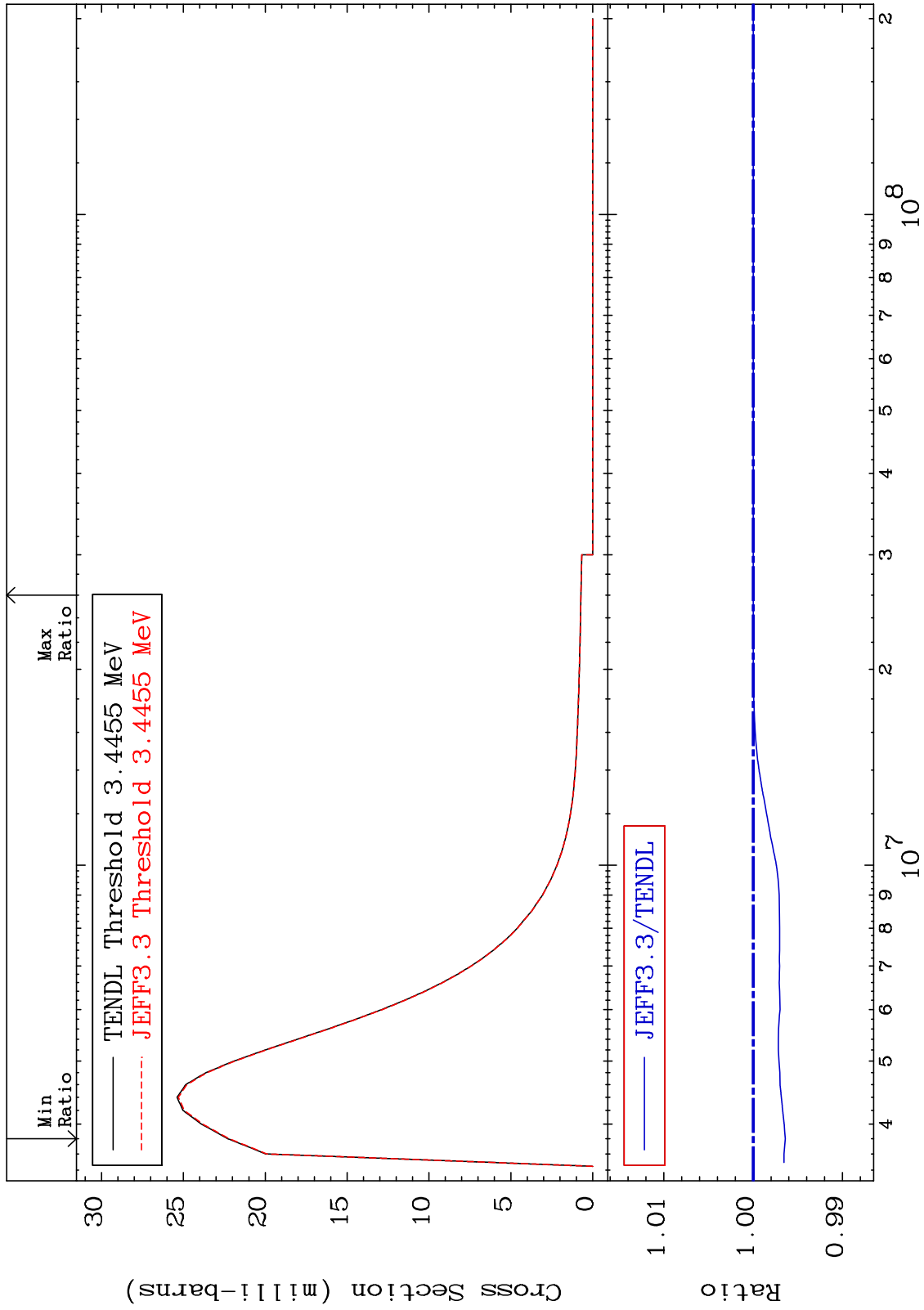


45

Incident Energy (eV)

25-Mn-53

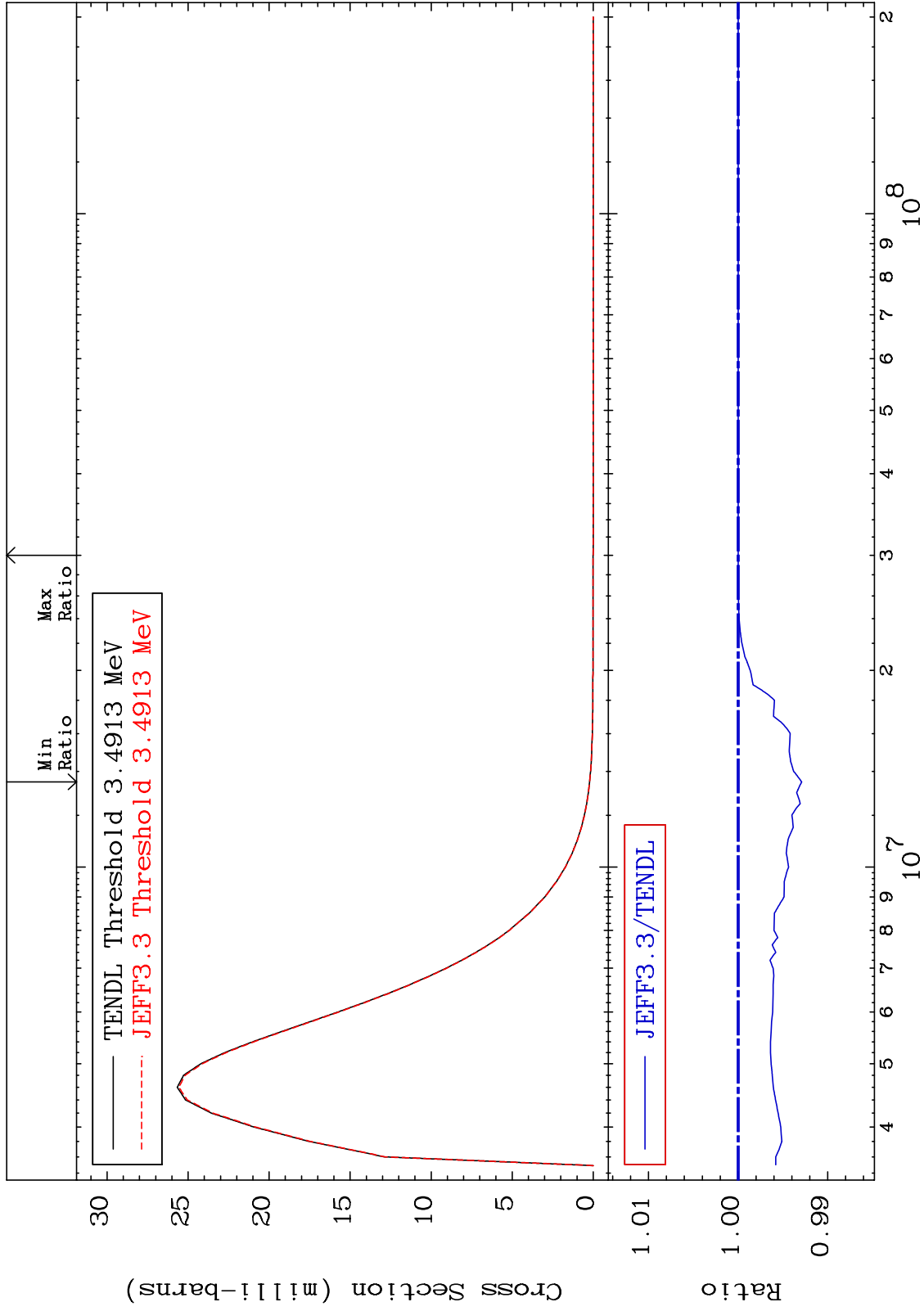
MAT 2519      MT= 79 (n,n') Level      25-Mn-53  
 Cross Section      -0.360 To 0.000 %



MAT 2519

MT= 80 (n, n') Level  
Cross Section

25-Mn-53  
-0.709 To 0.000 %



47

Incident Energy (eV)

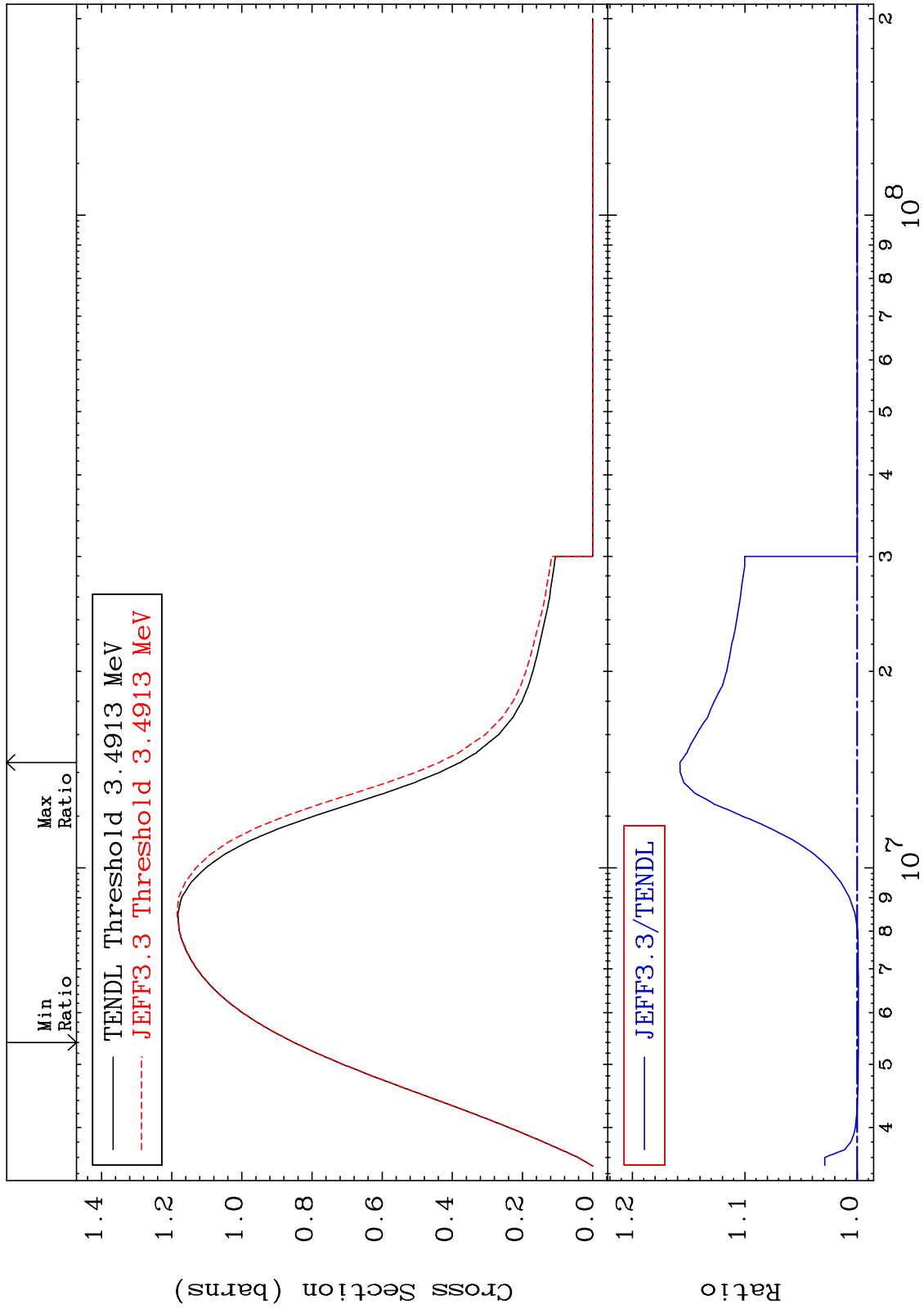
25-Mn-53



MAT 2519

(n, n') Continuum  
Cross Section

<sup>25</sup>Mn-53  
-0.104 To 15.77 %



48

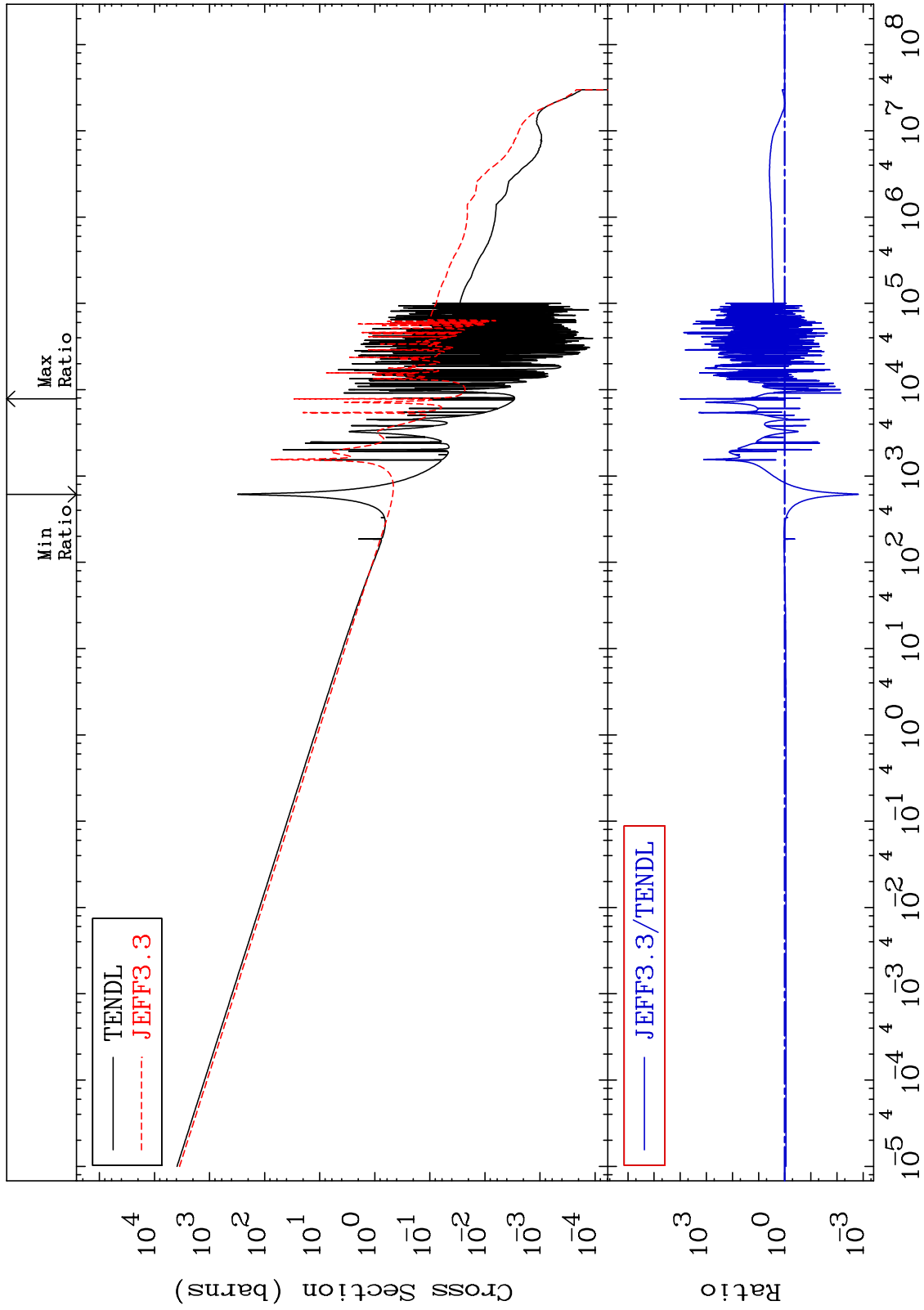
Incident Energy (eV)

<sup>25</sup>Mn-53

MAT 2519

(n,  $\gamma$ )  
Cross Section

25-Mn-53  
-99.85 To 9999. %



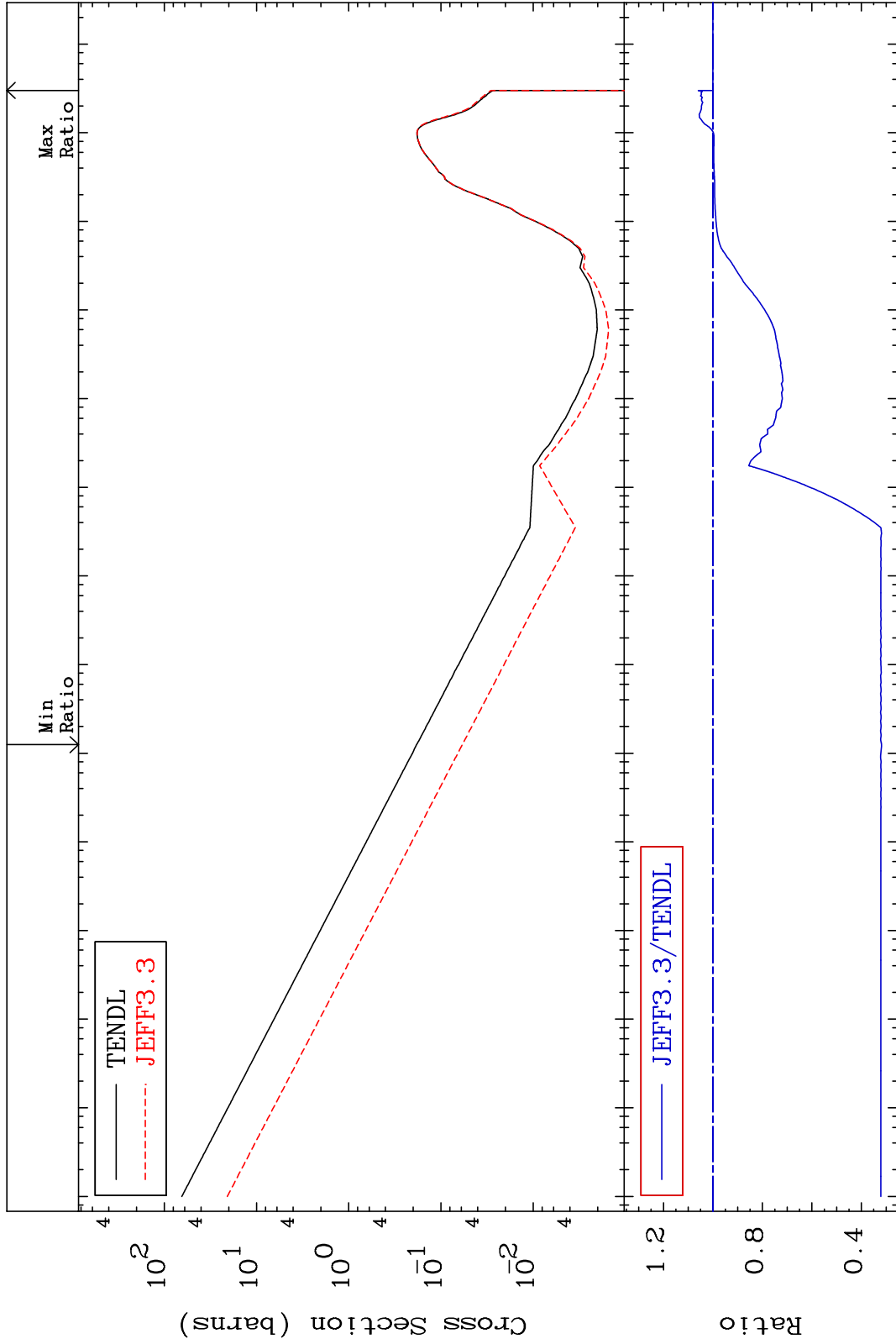
MAT 2519

(n,p)

25-Mn-53

Cross Section

-68.15 To 5.899 %



50

Incident Energy (eV)

25-Mn-53

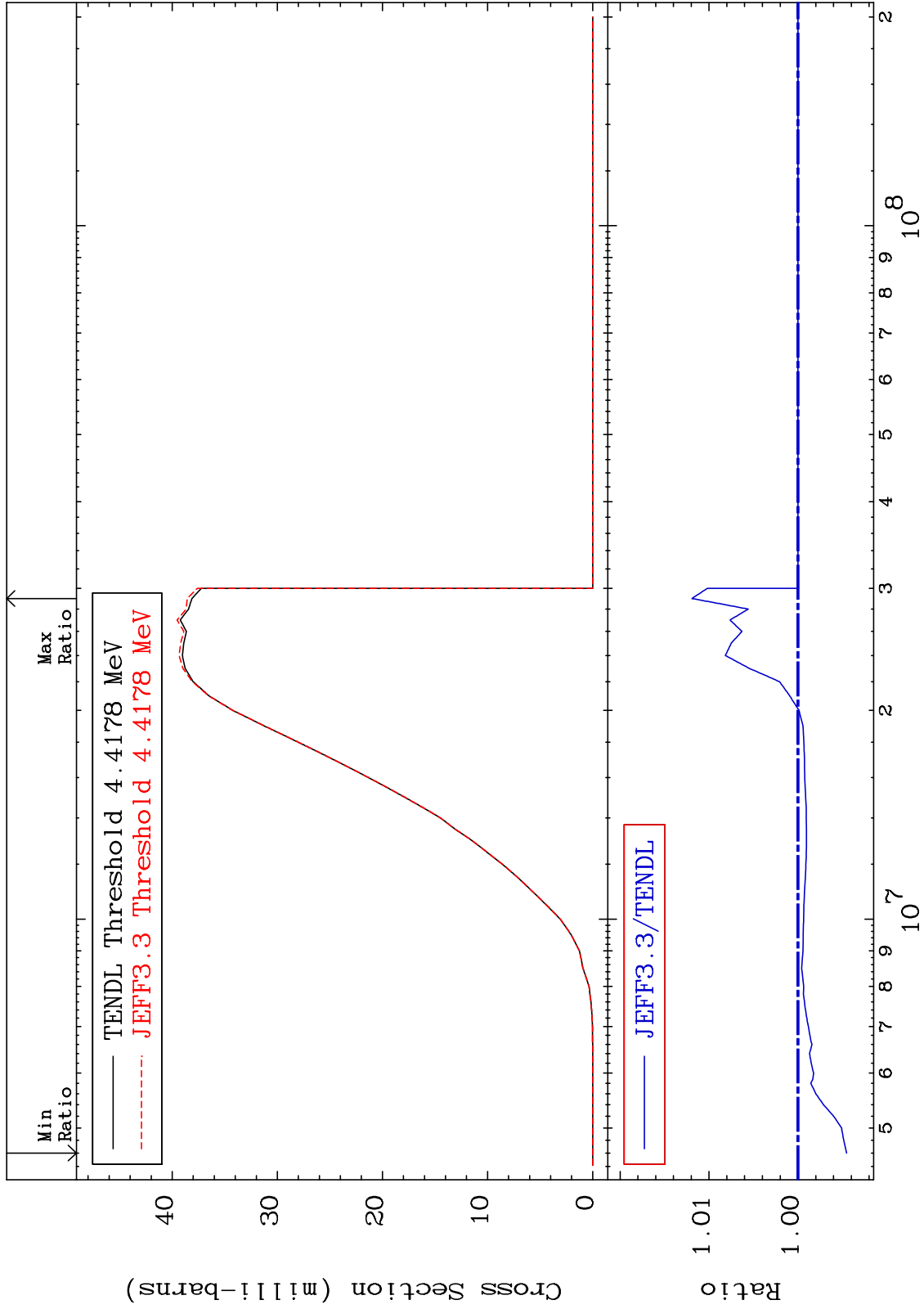
MAT 2519

(n, d)

<sup>25</sup>Mn-53

-0.546 To 1.192 %

Cross Section



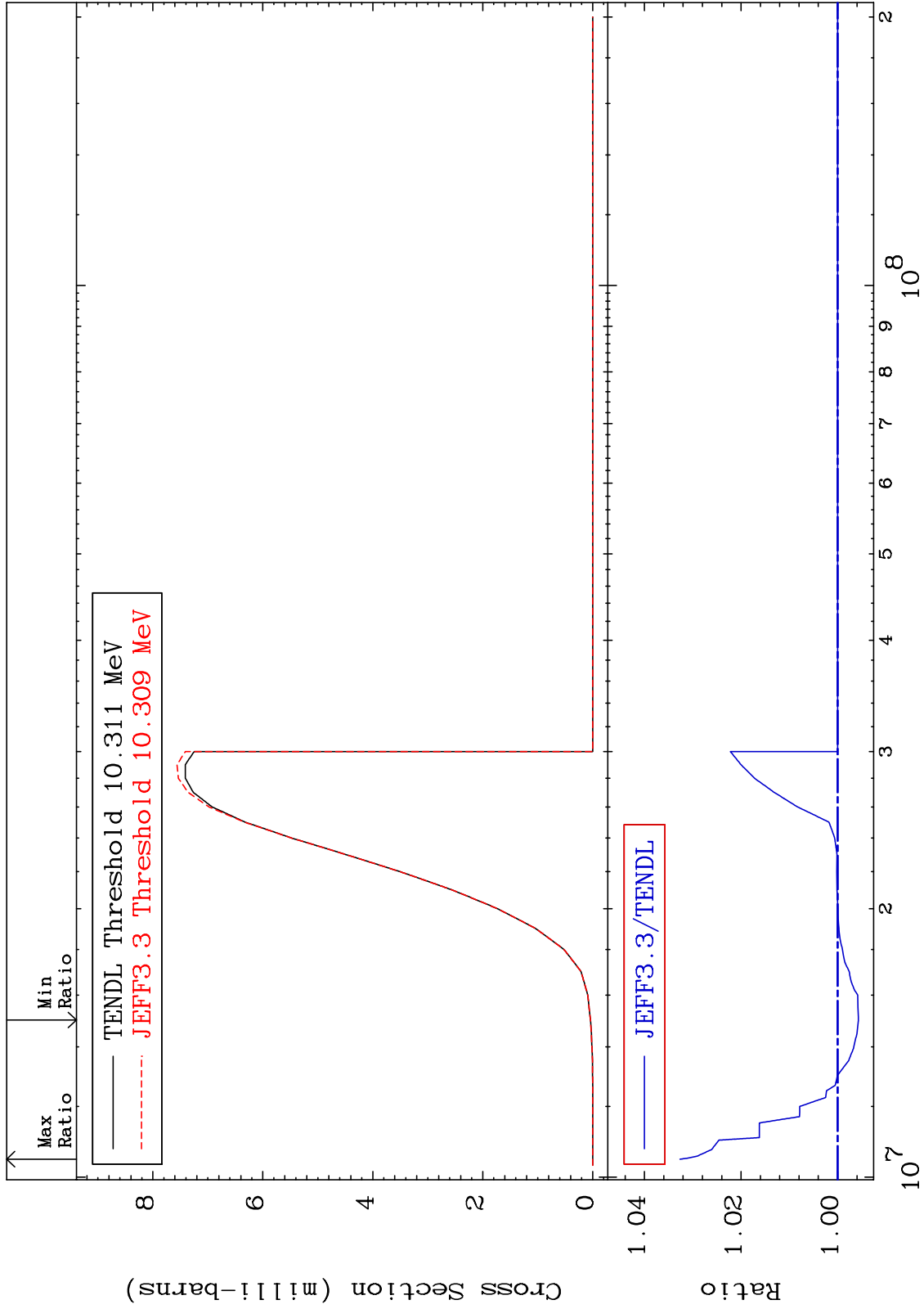
MAT 2519

(n, t)

<sup>25</sup>Mn-53

Cross Section

-0.430 To 3.264 %



52

Incident Energy (eV)

<sup>25</sup>Mn-53

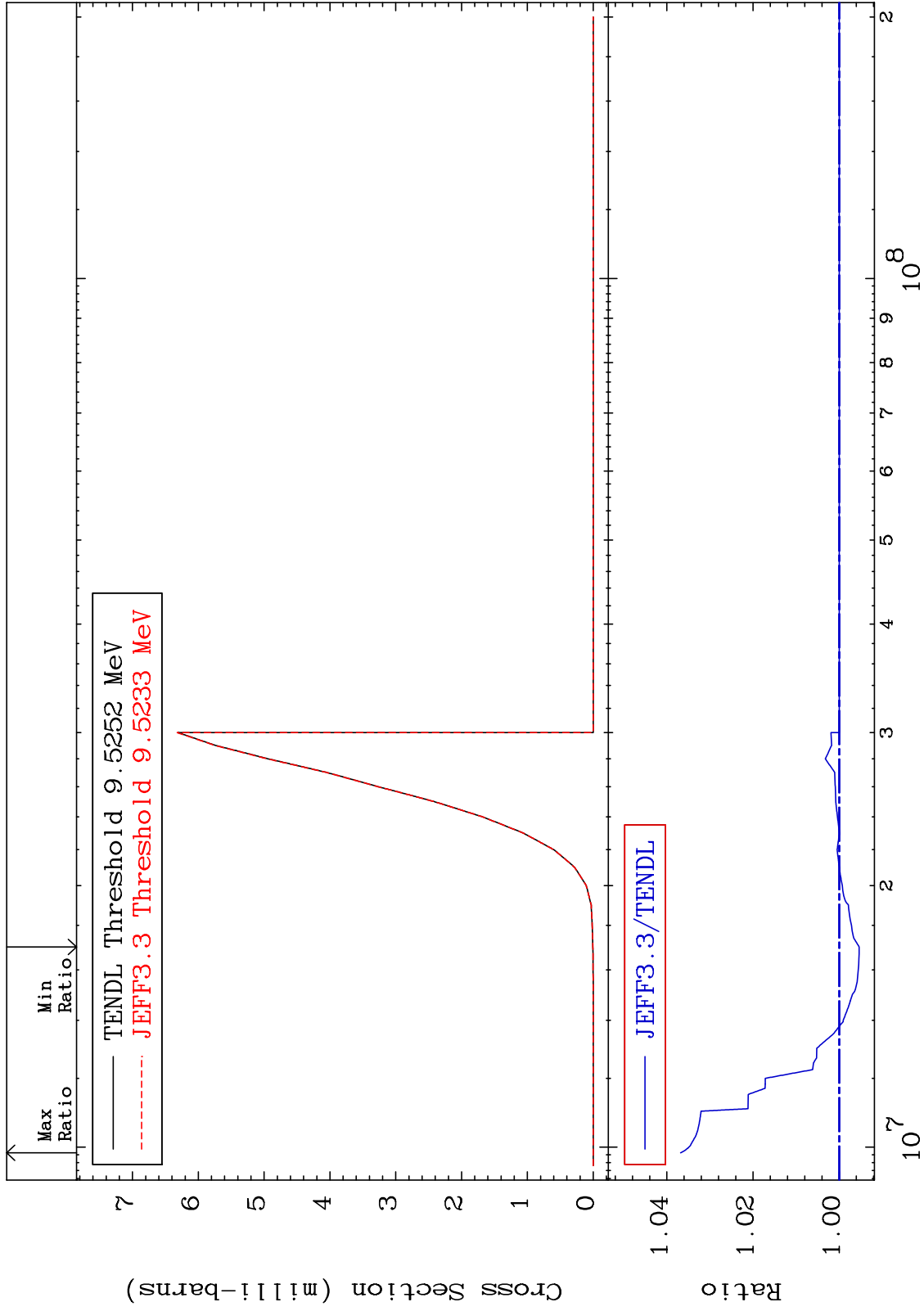
MAT 2519

(n, He-3)

<sup>25</sup>Mn-53

Cross Section

-0.465 To 3.681 %



Incident Energy (eV)

<sup>25</sup>Mn-53

53

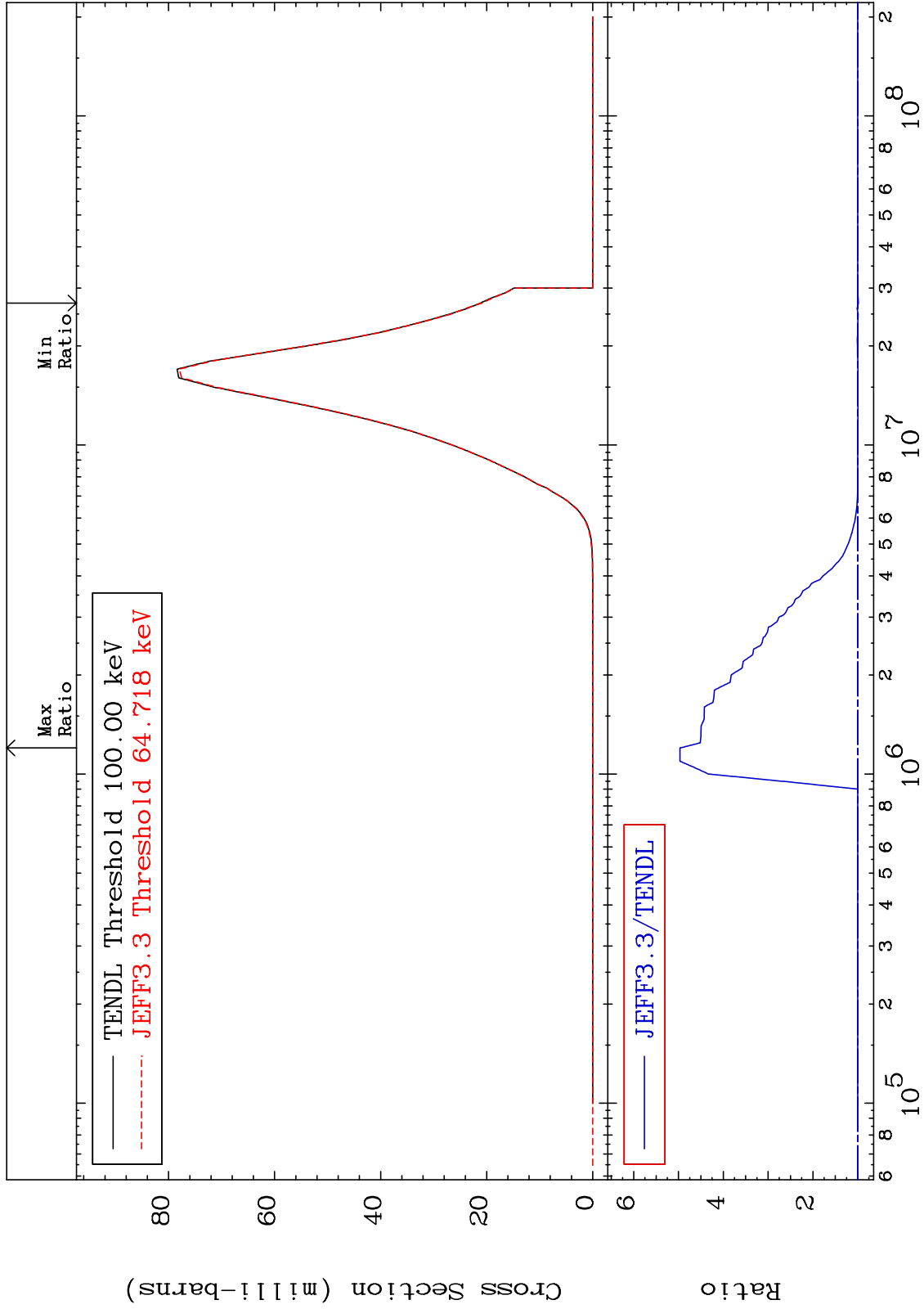
MAT 2519

(n,  $\alpha$ )

<sup>25</sup>Mn-53

Cross Section

-1.602 To 396.6 %



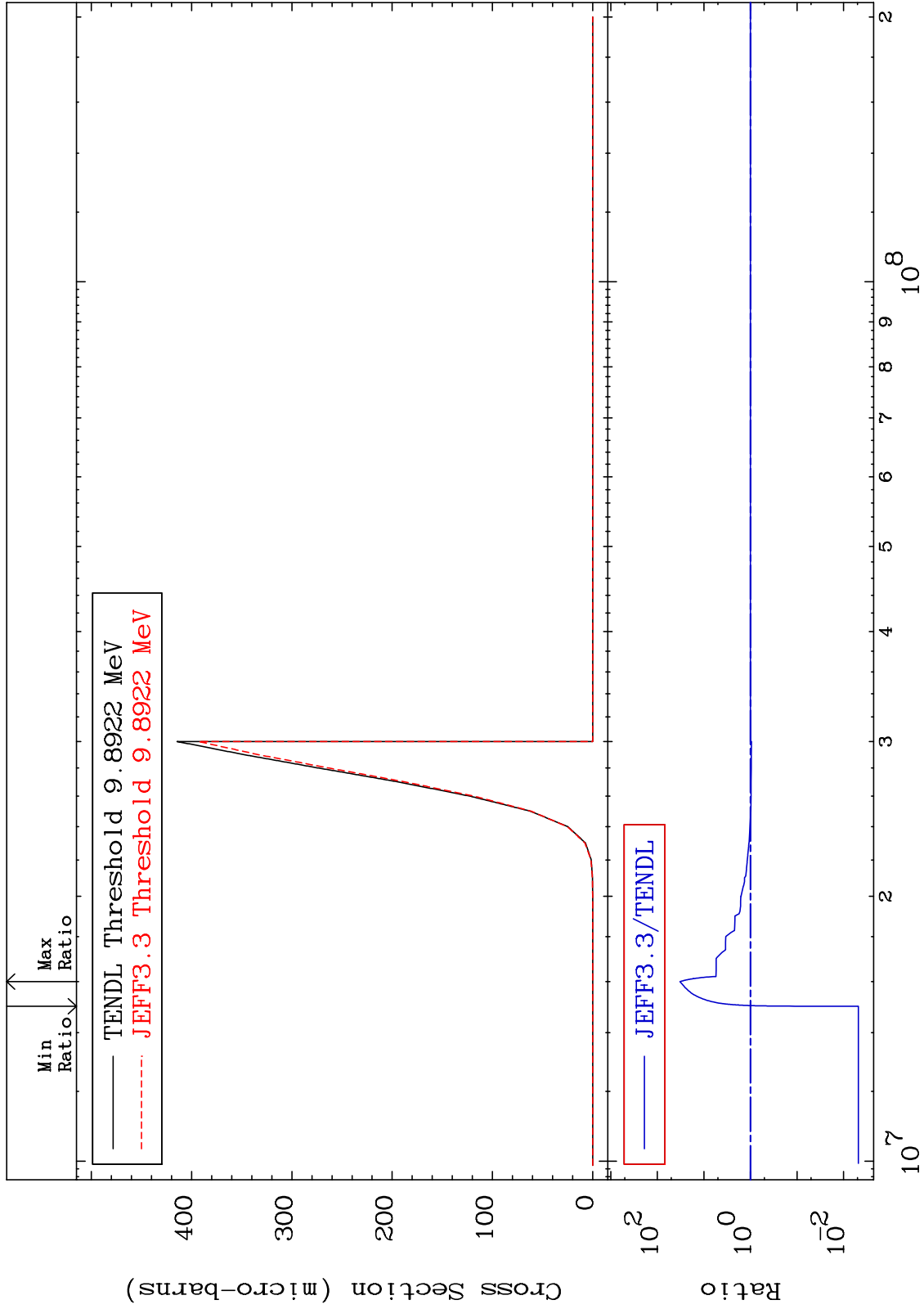
MAT 2519

(n,2α)

<sup>25</sup>Mn-53

Cross Section

-99.52 To 3152. %



Incident Energy (eV)

<sup>25</sup>Mn-53

55



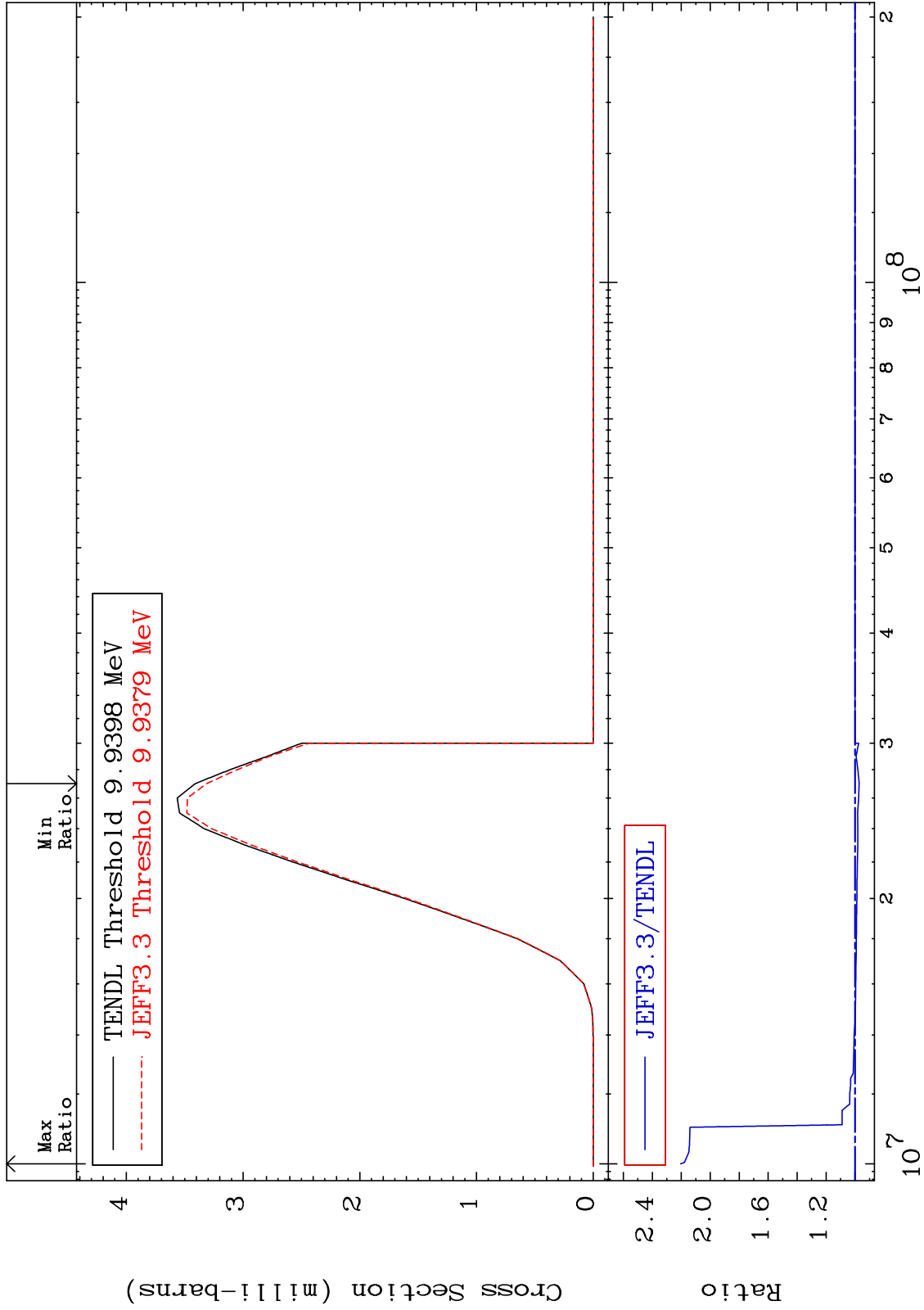
MAT 2519

(n,2p)

<sup>25</sup>Mn-53

Cross Section

-2.853 To 120.5 %



56

Incident Energy (eV)

<sup>25</sup>Mn-53

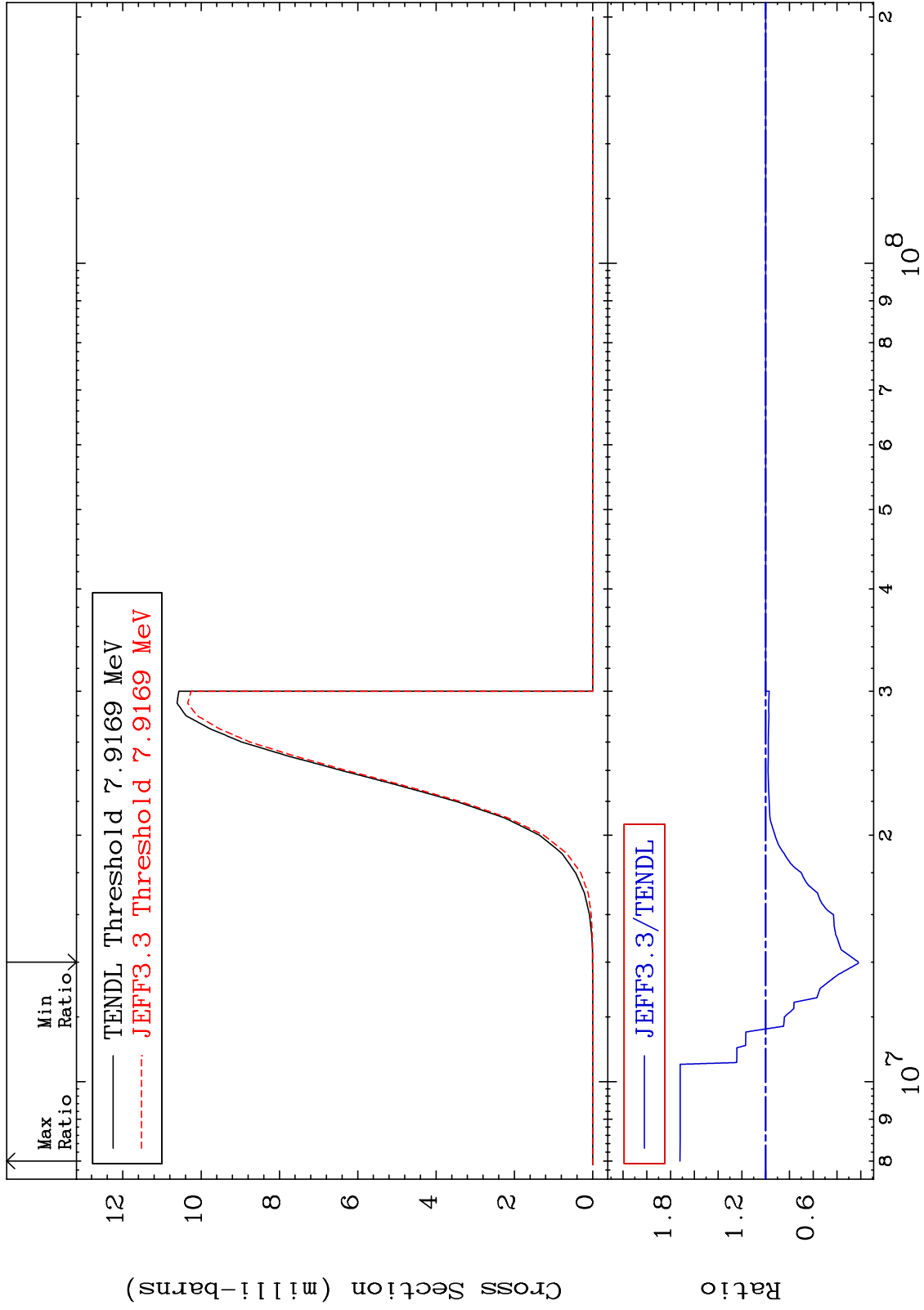
MAT 2519

(n,p)  $\alpha$

<sup>25</sup>Mn-53

Cross Section

-78.08 To 72.02 %



57

Incident Energy (eV)

<sup>25</sup>Mn-53

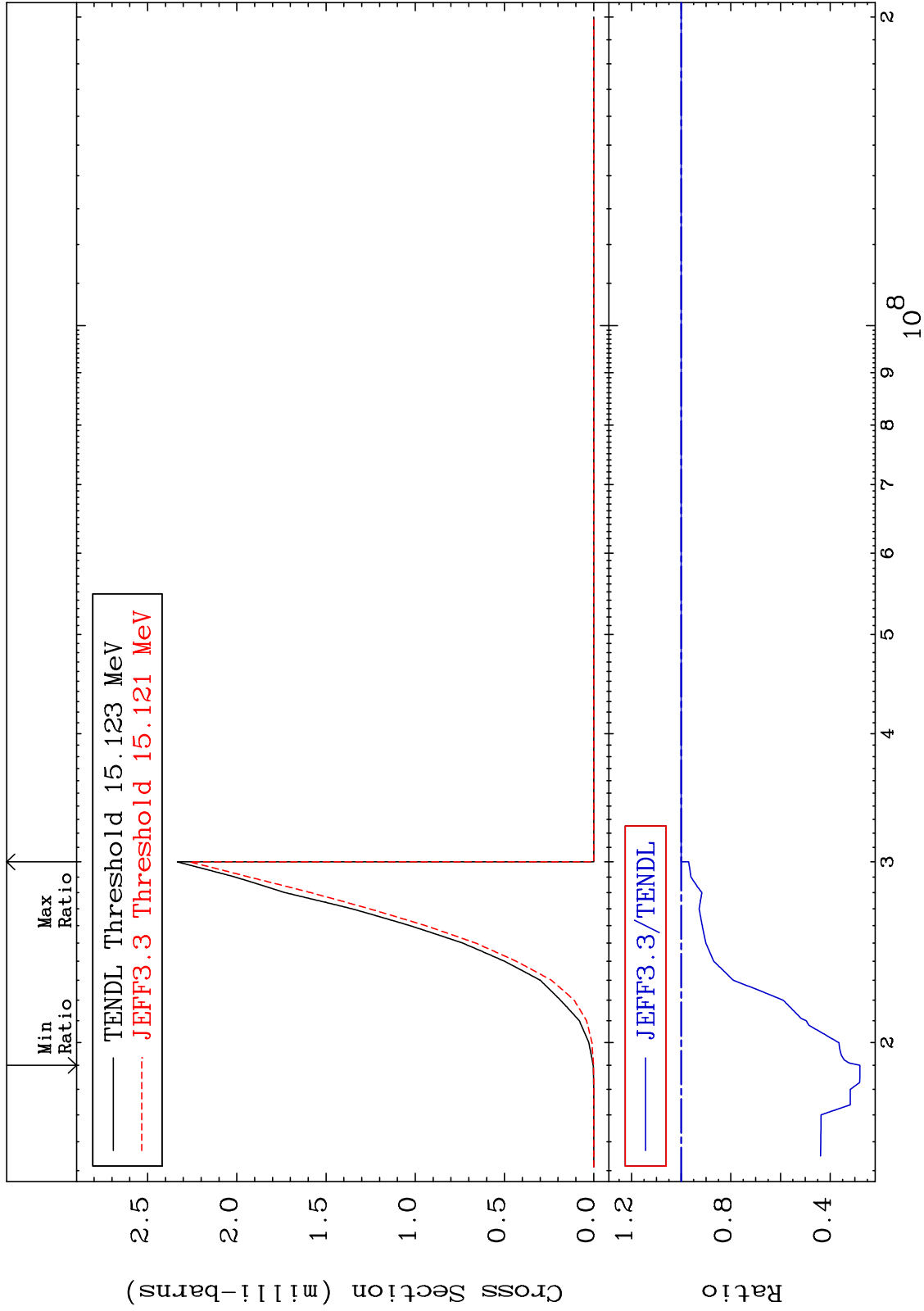
MAT 2519

(n,p) d

<sup>25</sup>Mn-53

Cross Section

-72.01 To 0.000 %



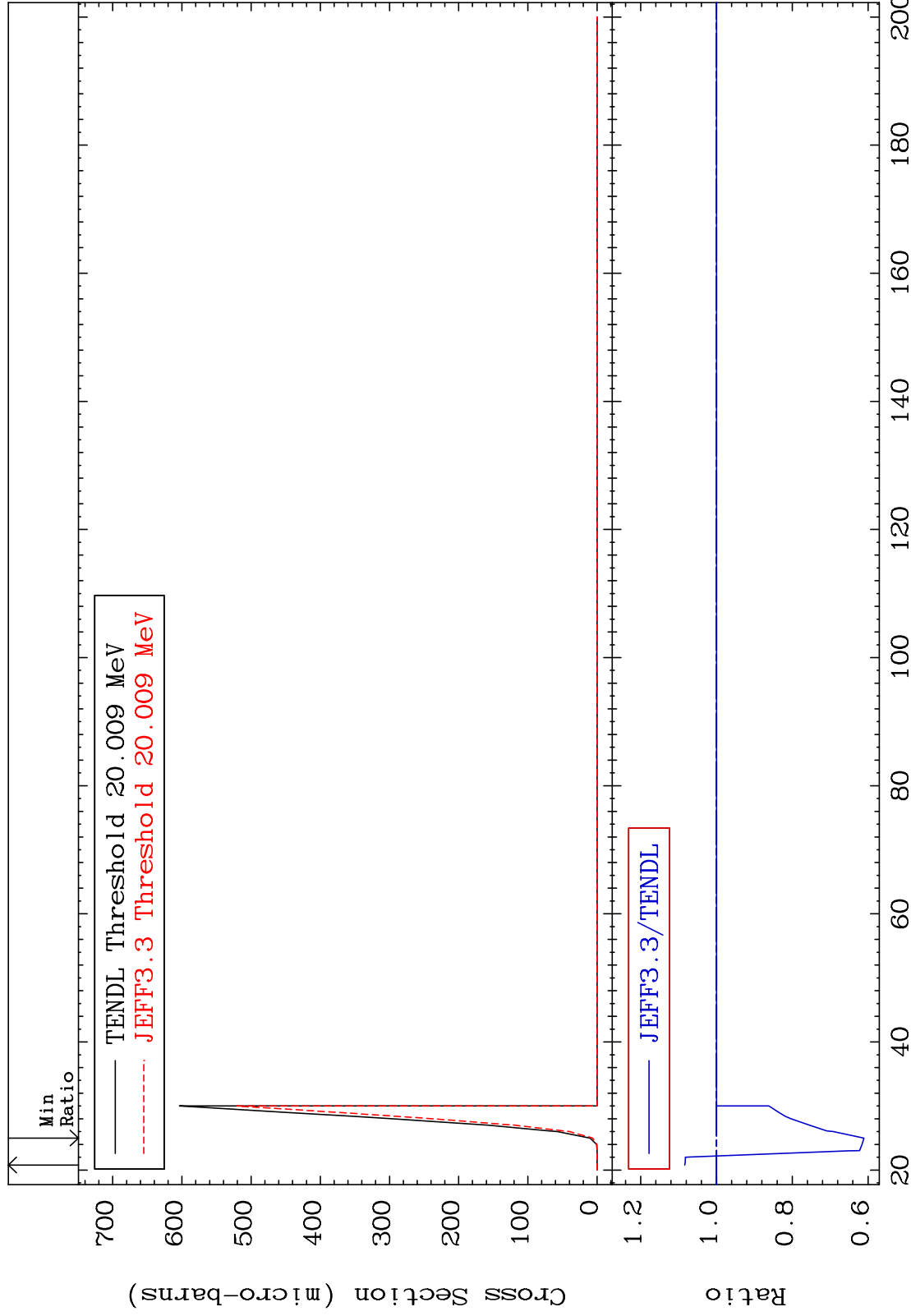
MAT 2519

(n,p) t

<sup>25</sup>Mn-53

Cross Section

-38.94 To 8.361 %



59

Incident Energy (MeV)

<sup>25</sup>Mn-53

MAT 2519

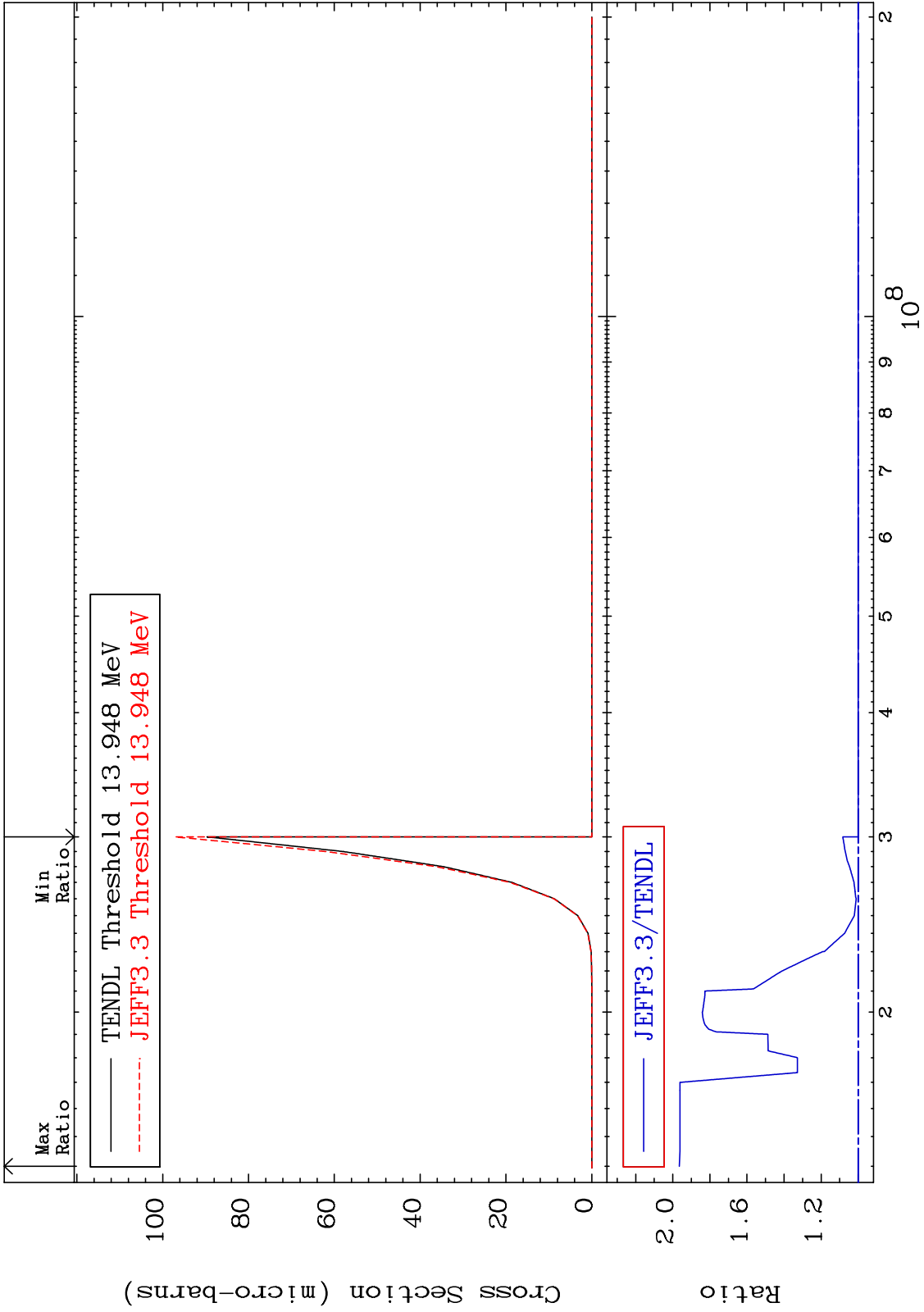
(n,d)  $\alpha$

<sup>25</sup>Mn-53

Cross Section

0.000

To 96.45 %



60

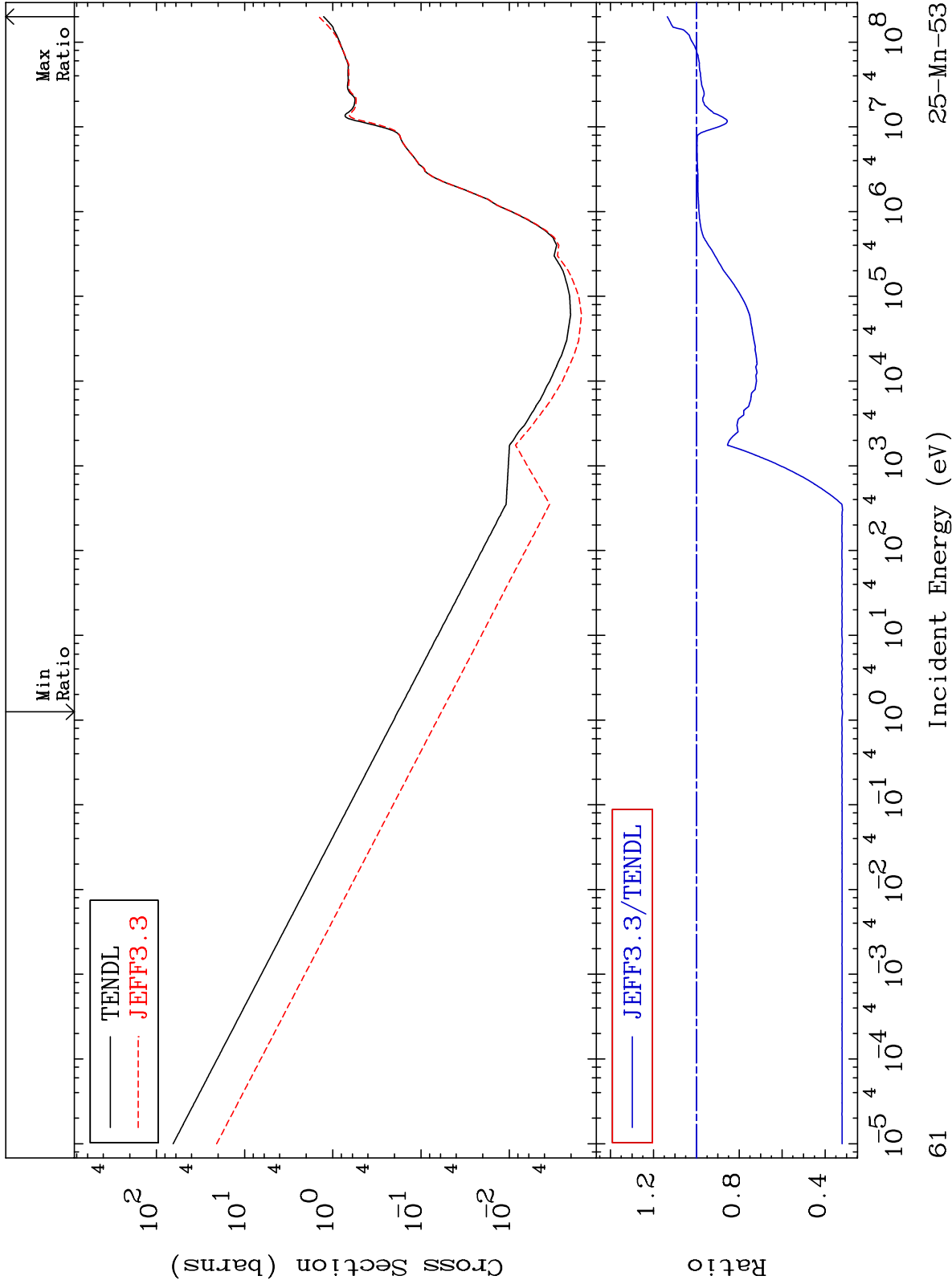
Incident Energy (eV)

<sup>25</sup>Mn-53

MAT 2519

Hydrogen Production  
Cross Section

<sup>25</sup>Mn-53  
-68.15 To 13.54 %



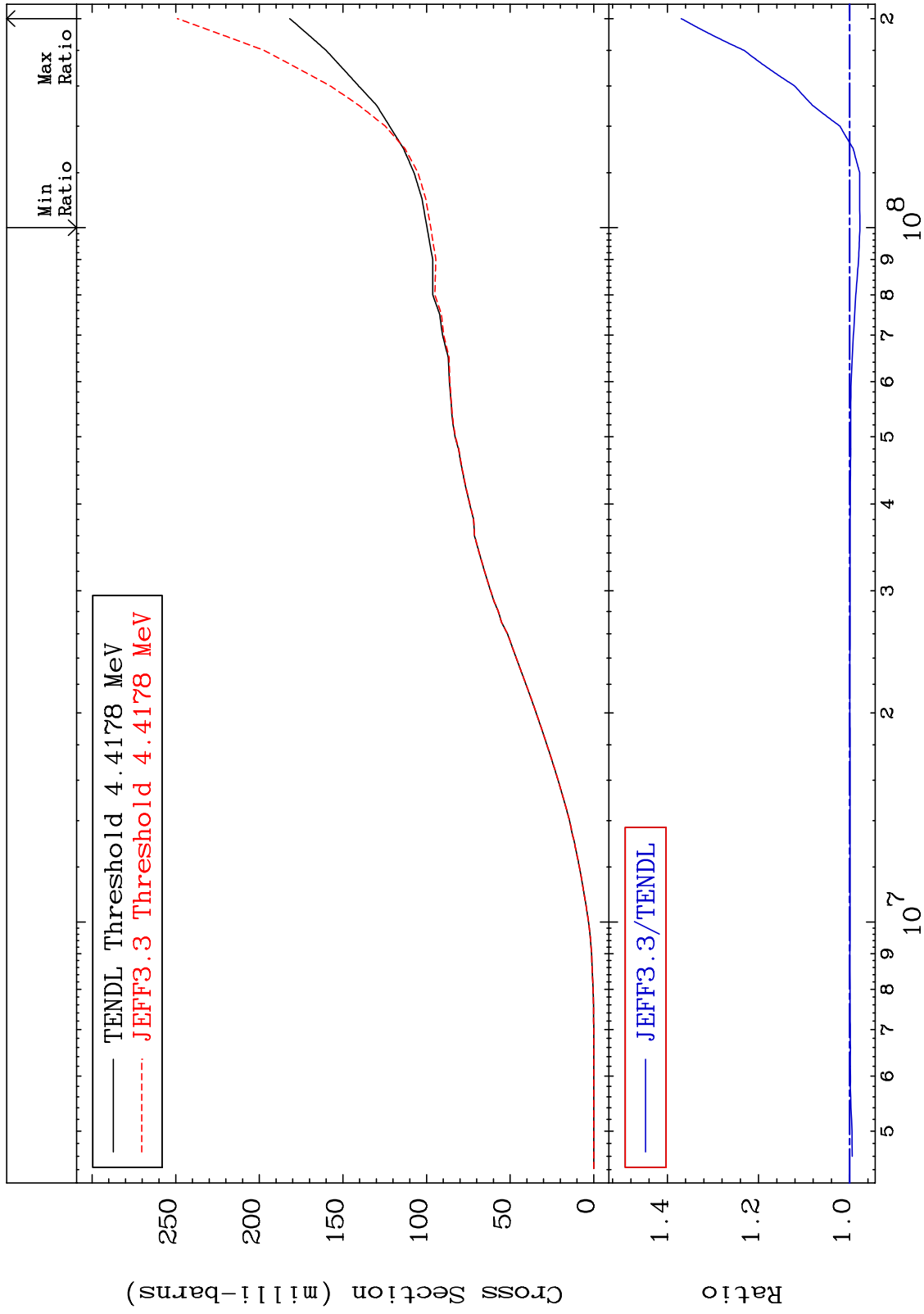
61

<sup>25</sup>Mn-53

MAT 2519

Deuterium Production  
Cross Section

<sup>25</sup>Mn-53  
-2.248 To 36.96 %



62

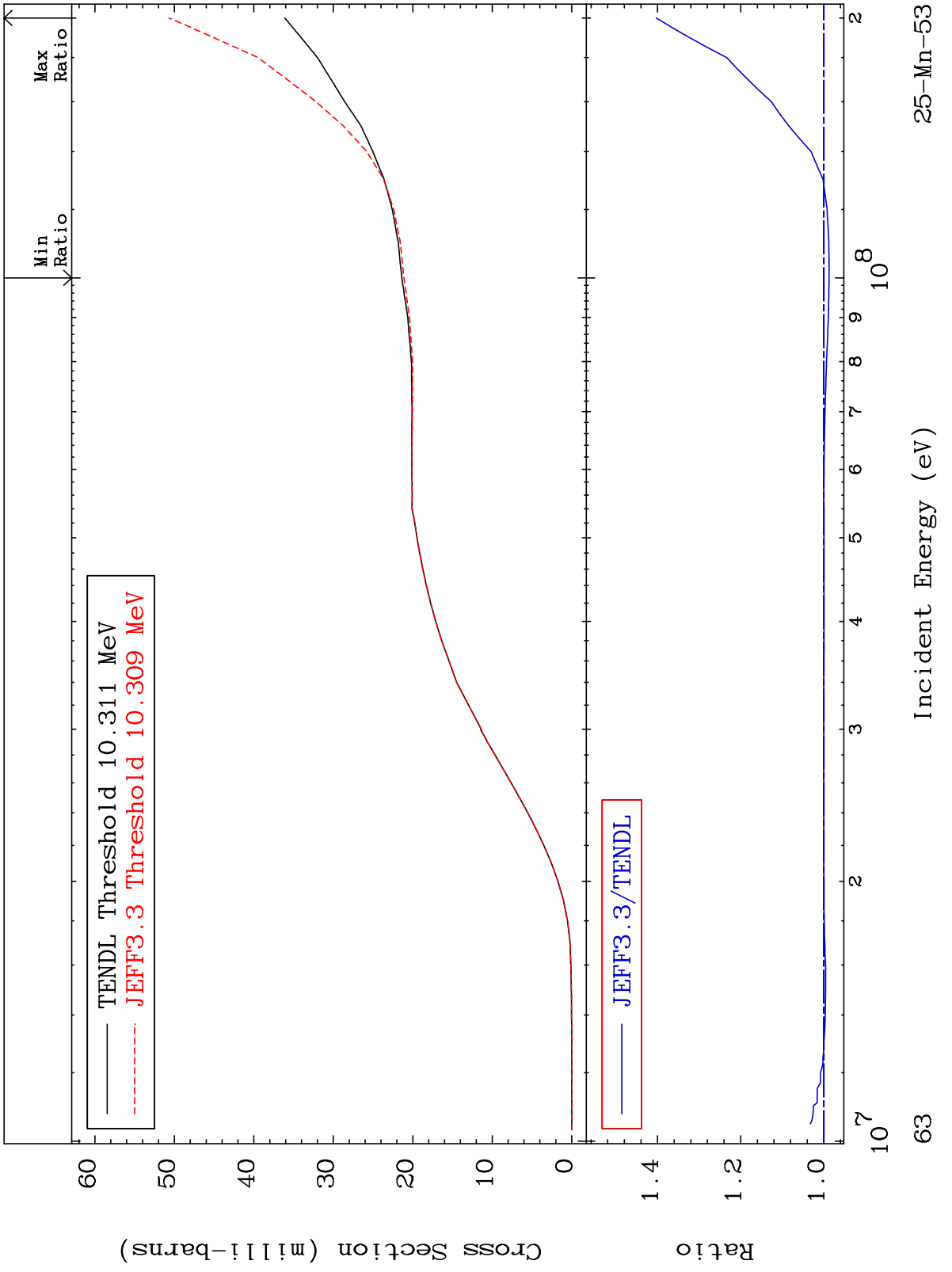
Incident Energy (eV)

<sup>25</sup>Mn-53

MAT 2519

Tritium Production  
Cross Section

$^{25}\text{Mn-53}$   
-1.258 To 40.31 %



63

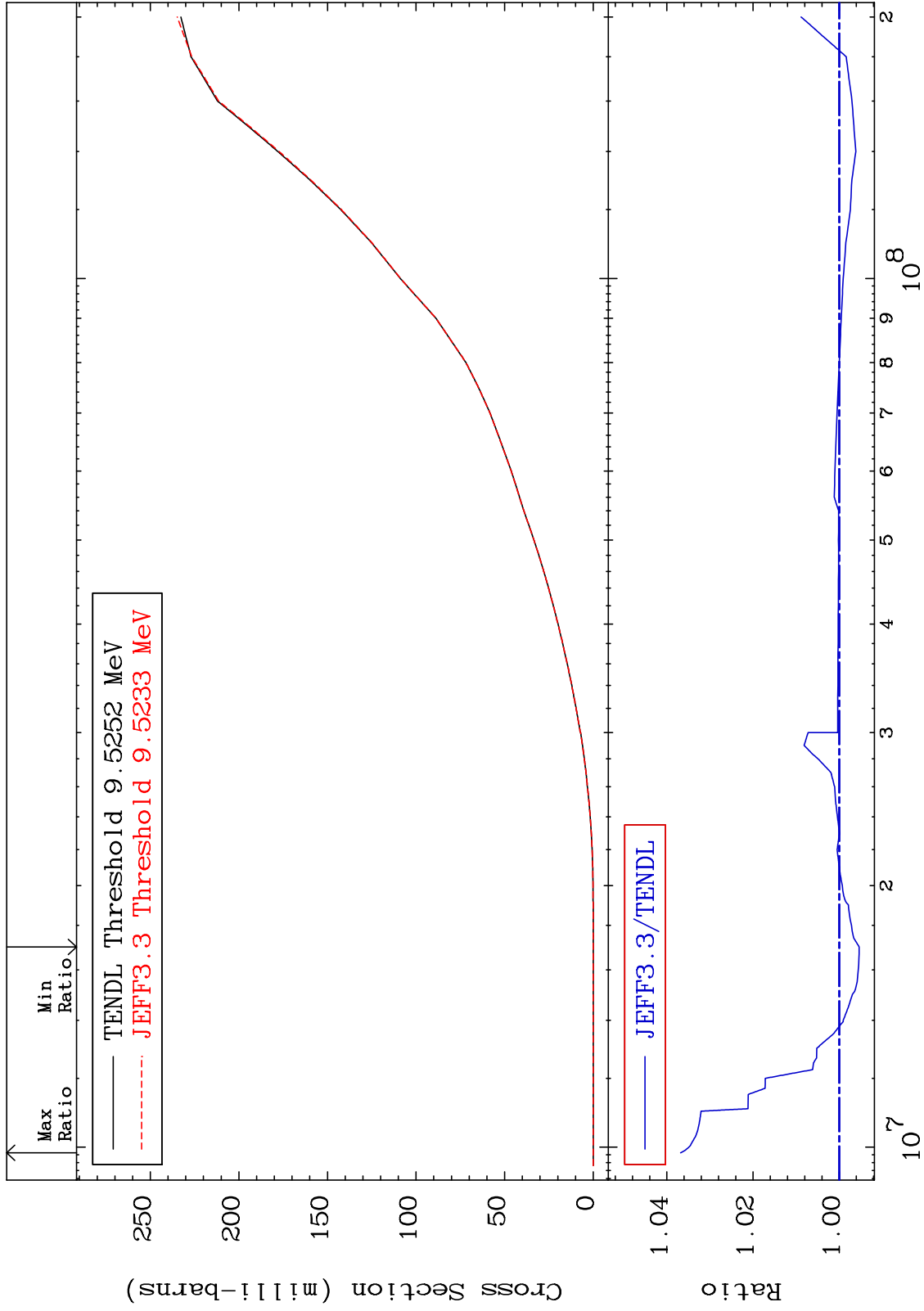
$^{25}\text{Mn-53}$



MAT 2519

He-3 Production  
Cross Section

25-Mn-53  
-0.465 To 3.681 %



64

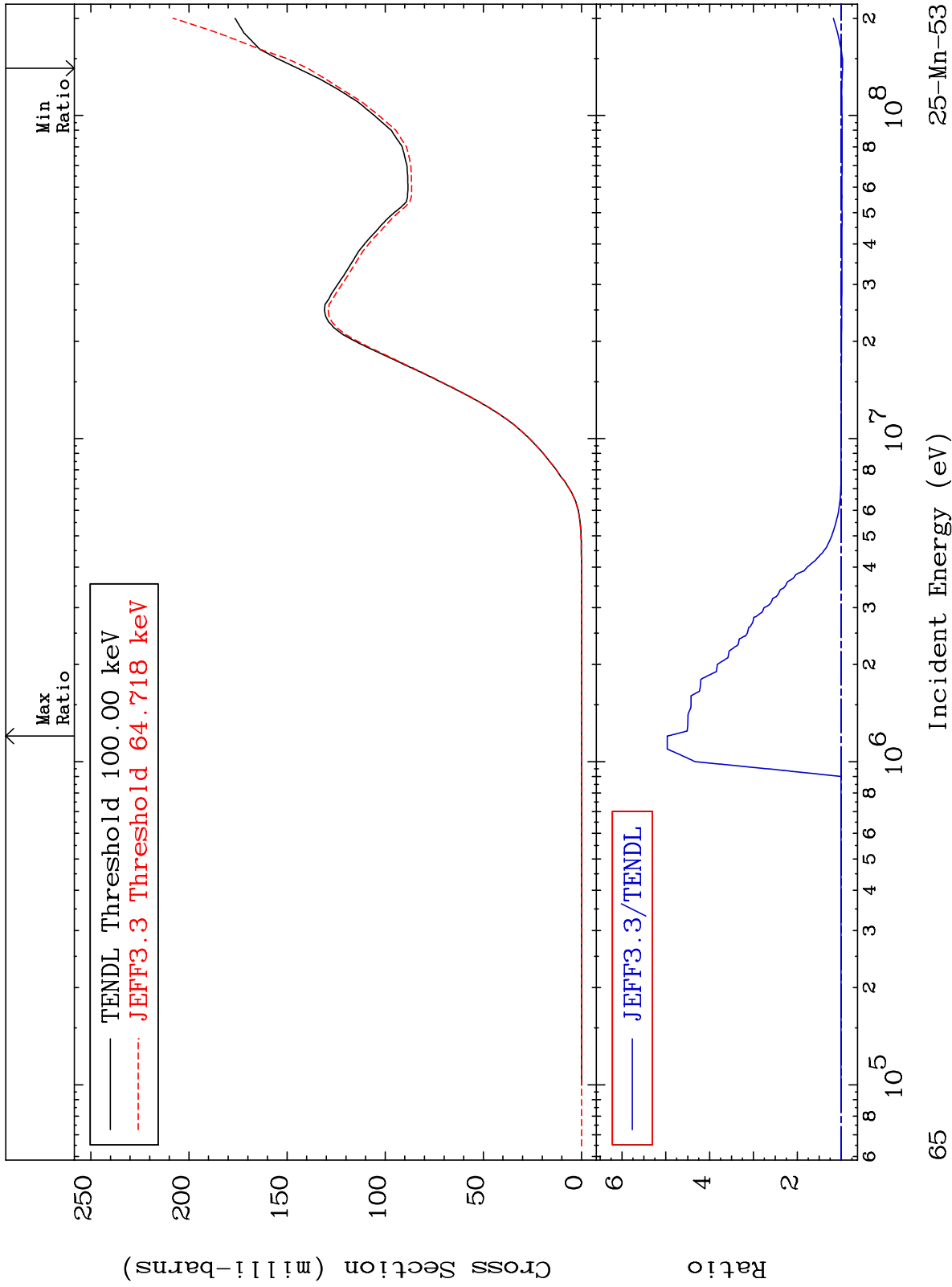
Incident Energy (eV)

25-Mn-53

MAT 2519

He-4 Production  
Cross Section

25-Mn-53  
-3.506 To 396.6 %

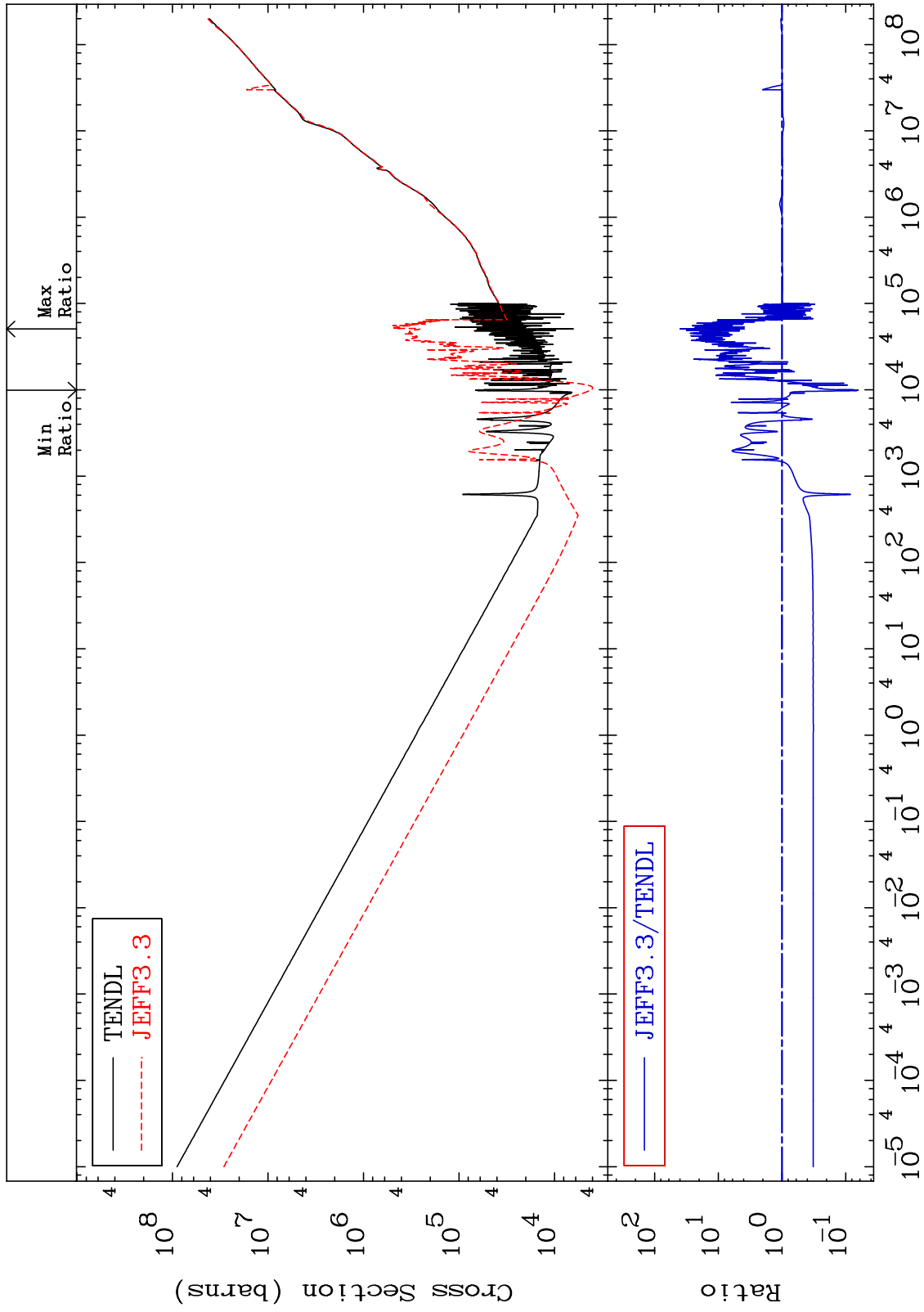


65

MAT 2519

Kerma total (eV-barns)  
Cross Section

25-Mn-53  
-93.69 To 3896. %



66

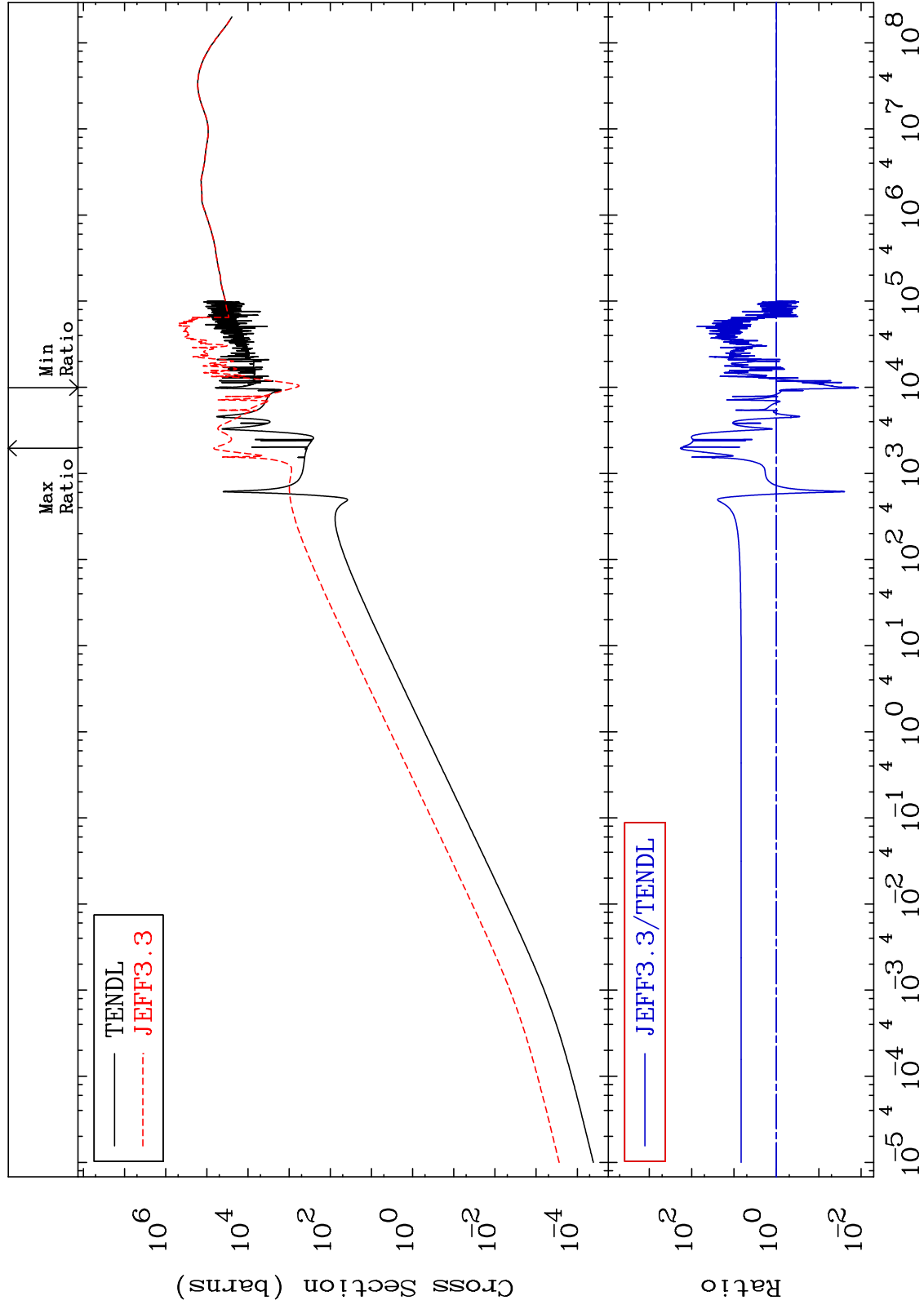
Incident Energy (eV)

25-Mn-53

MAT 2519

Kerma elastic  
Cross Section

25-Mn-53  
-98.85 To 9999. %



67

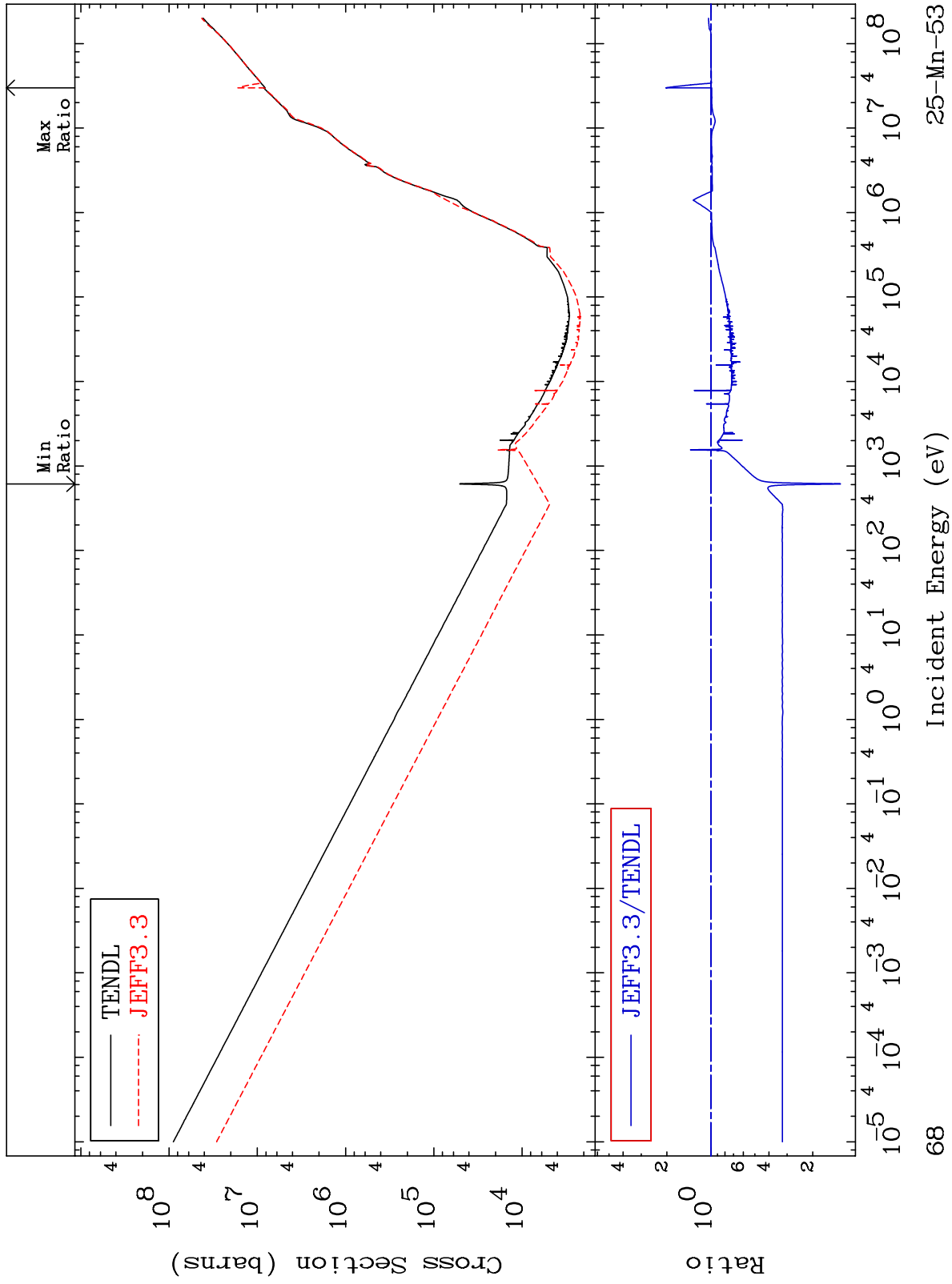
Incident Energy (eV)

25-Mn-53

MAT 2519

Kerma non-elastic (all but mt2)  
Cross Section

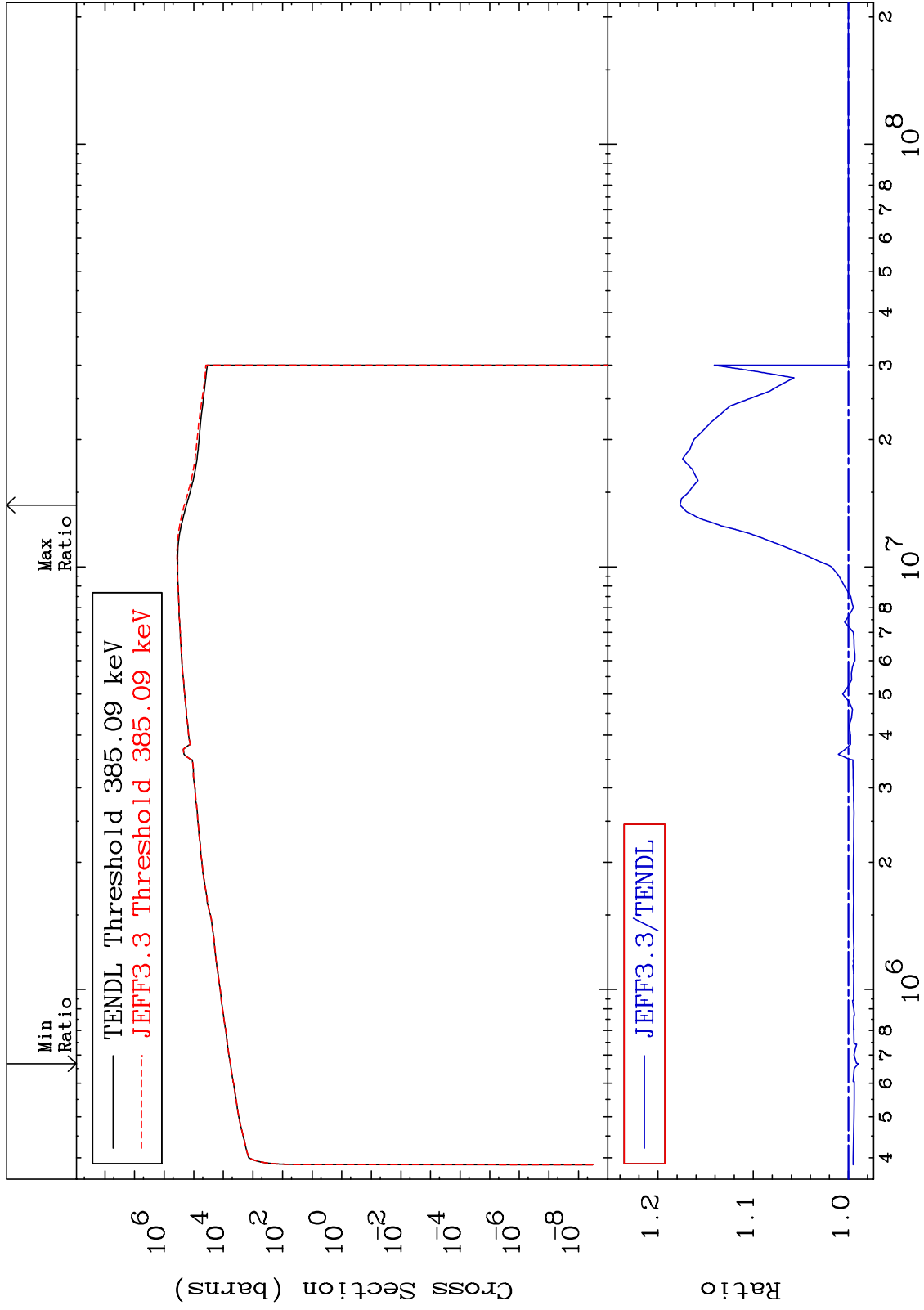
25-Mn-53  
-87.09 To 103.5 %



MAT 2519

Kerma inelastic (mt51-91)  
Cross Section

25-Mn-53  
-1.049 To 17.69 %



69

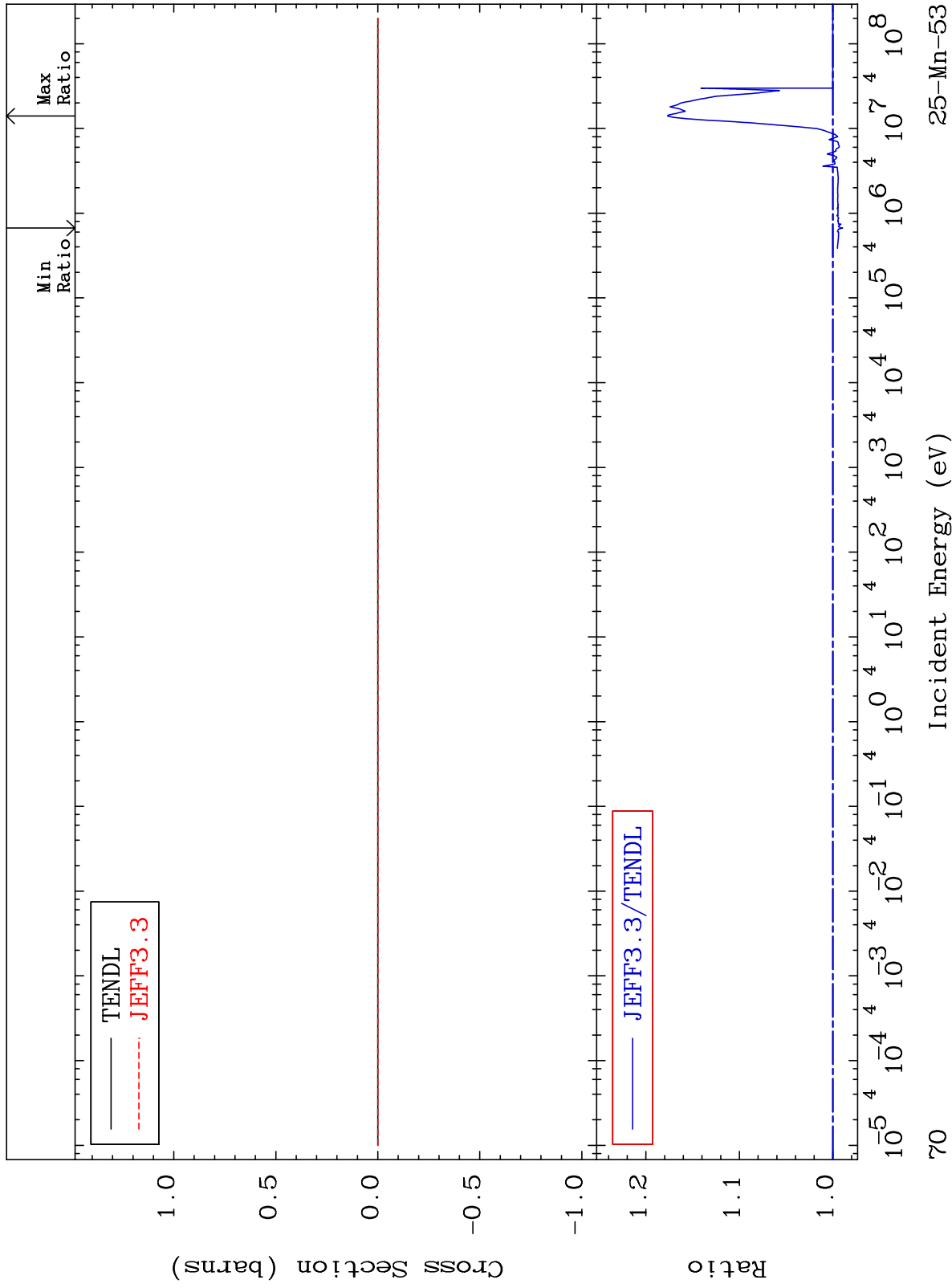
Incident Energy (eV)

25-Mn-53

MAT 2519

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

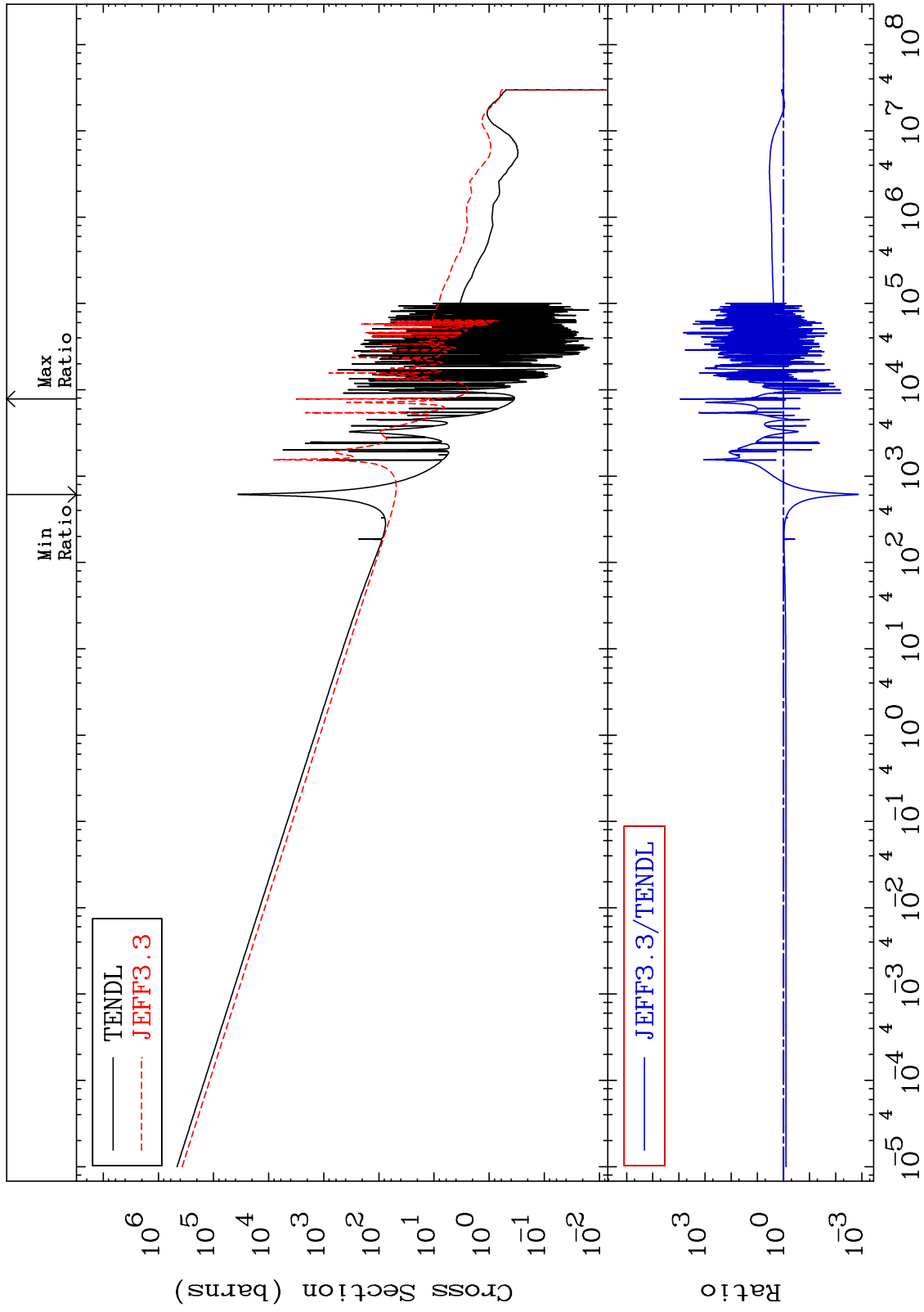
25-Mn-53  
-1.049 To 17.69 %



MAT 2519

Kerma capture (mt102)  
Cross Section

25-Mn-53  
-99.86 To 9999. %



71

Incident Energy (eV)

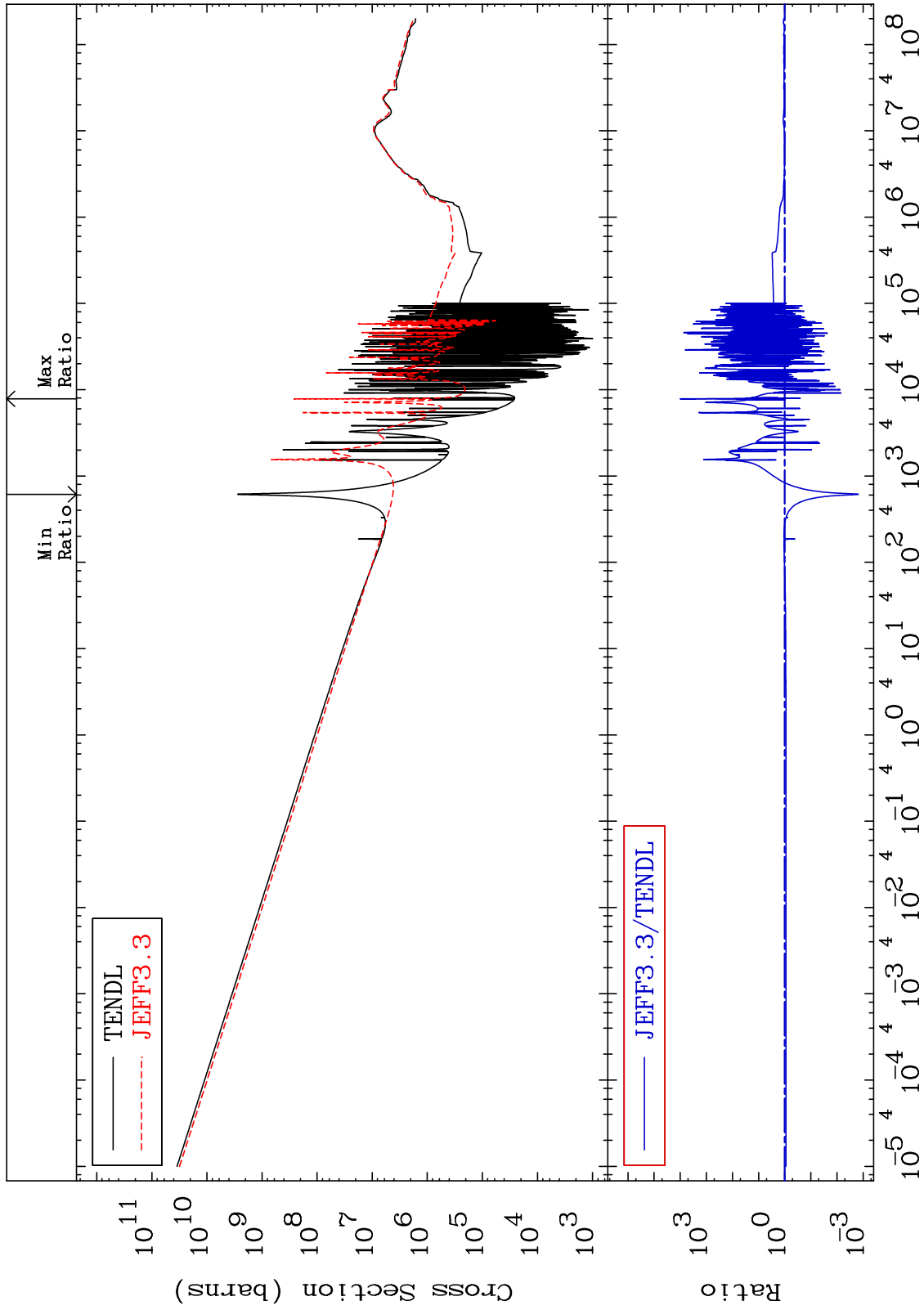
25-Mn-53



MAT 2519

Total photon (eV-barns)  
Cross Section

25-Mn-53  
-99.85 To 9999. %



72

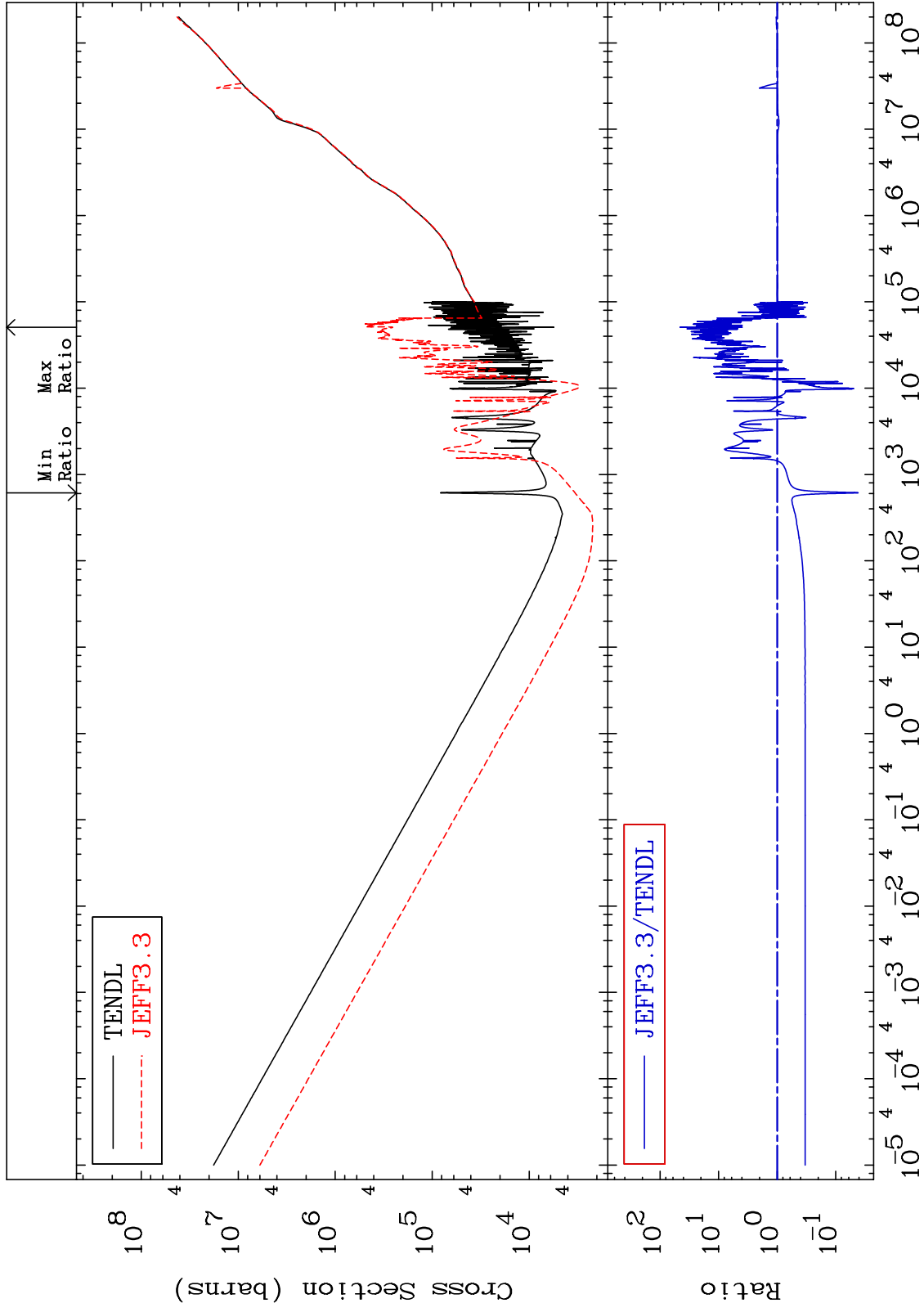
Incident Energy (eV)

25-Mn-53

MAT 2519

Total kinematic kerma (high limit)  
Cross Section

25-Mn-53  
-95.89 To 4461. %



73

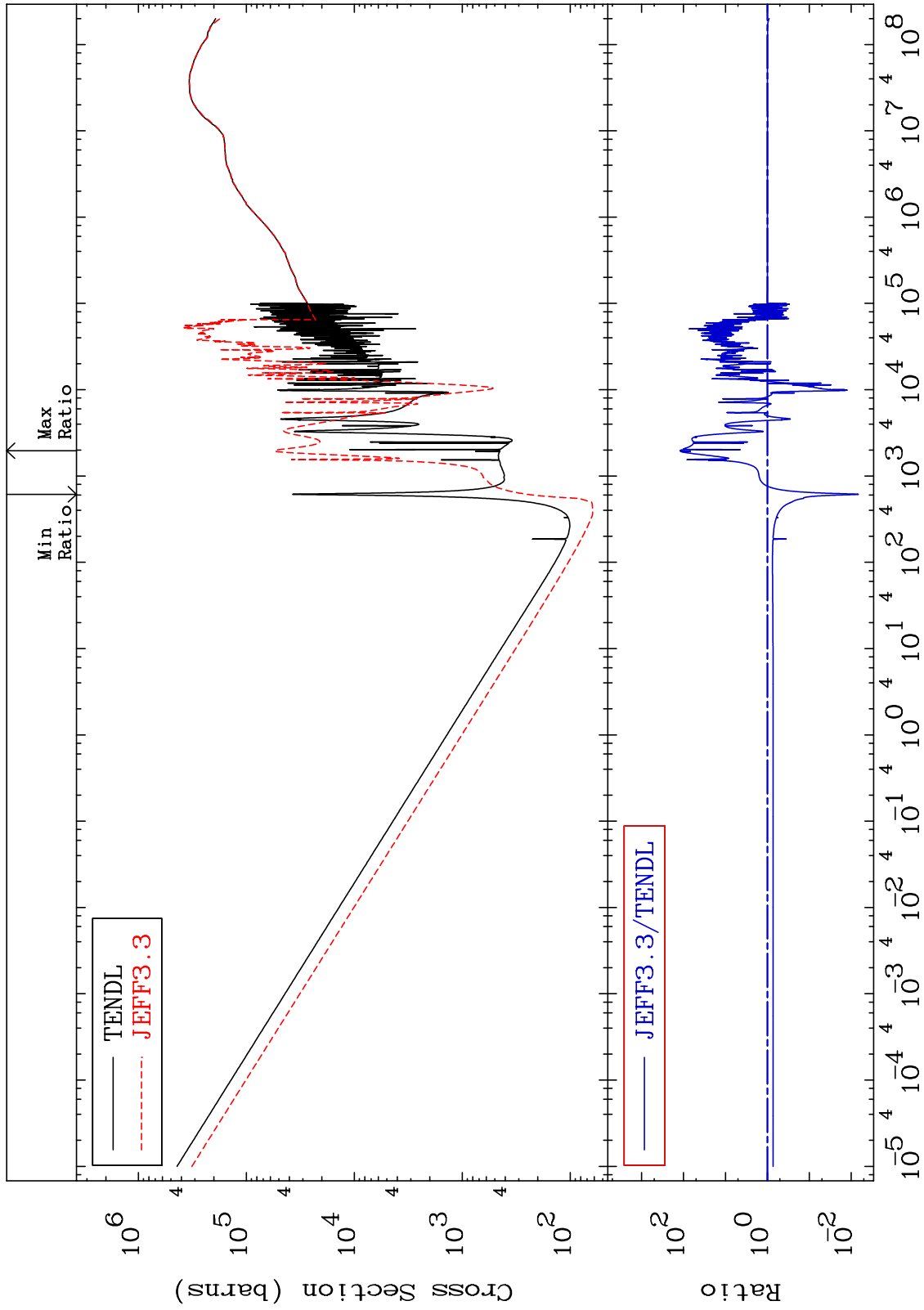
Incident Energy (eV)

25-Mn-53

MAT 2519

Dpa total (eV-barns)  
Cross Section

25-Mn-53  
-99.33 To 9999. %



74

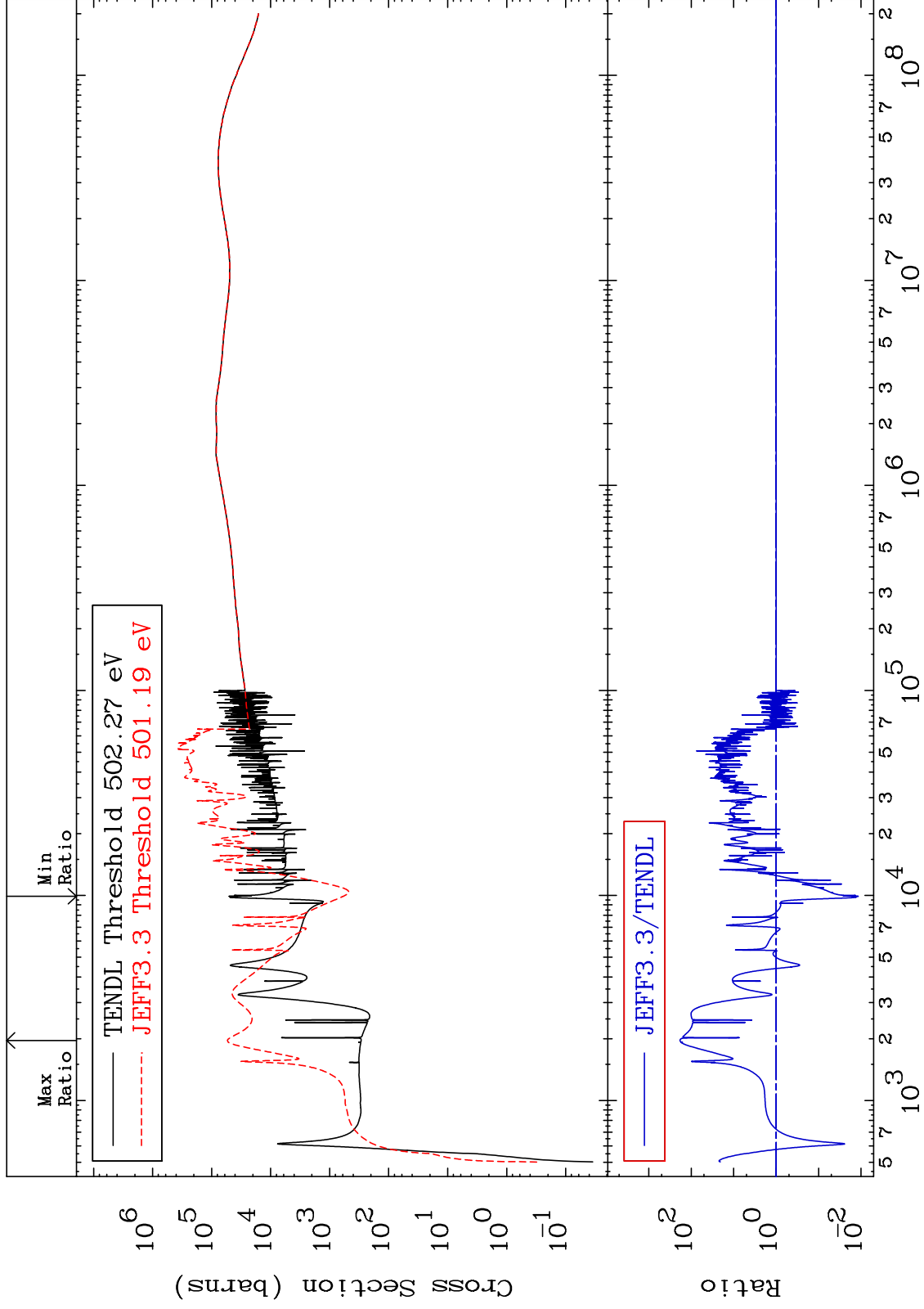
Incident Energy (eV)

25-Mn-53

MAT 2519

Dpa elastic (mt2)  
Cross Section

25-Mn-53  
-98.85 To 9999. %



75

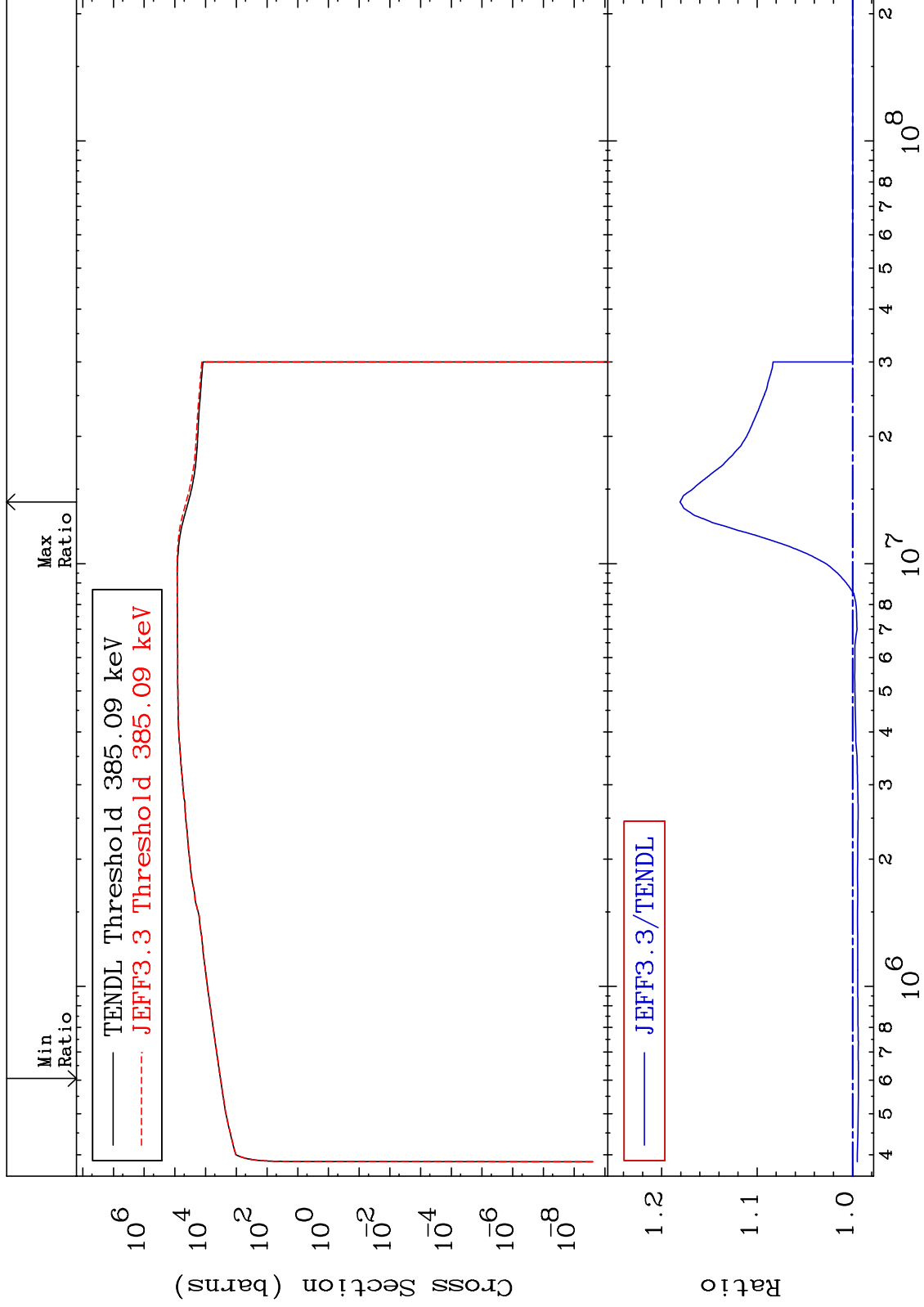
Incident Energy (eV)

25-Mn-53

MAT 2519

Dpa inelastic (mt51-91)  
Cross Section

25-Mn-53  
-0.610 To 18.08 %



76

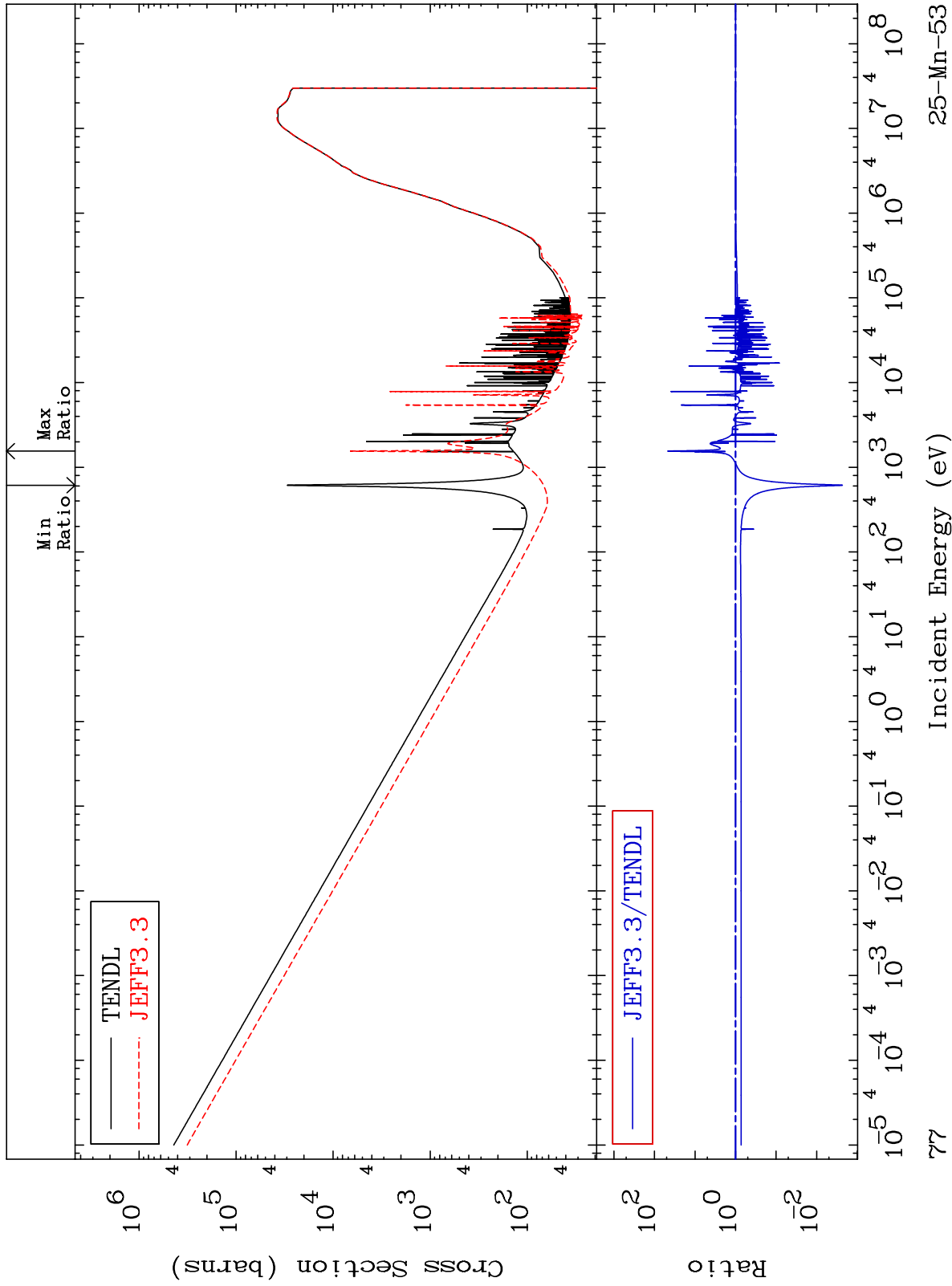
Incident Energy (eV)

25-Mn-53

MAT 2519

Dpa disappearance (mt102 -120)  
Cross Section

<sup>25</sup>Mn-53  
-99.77 To 4664. %



77

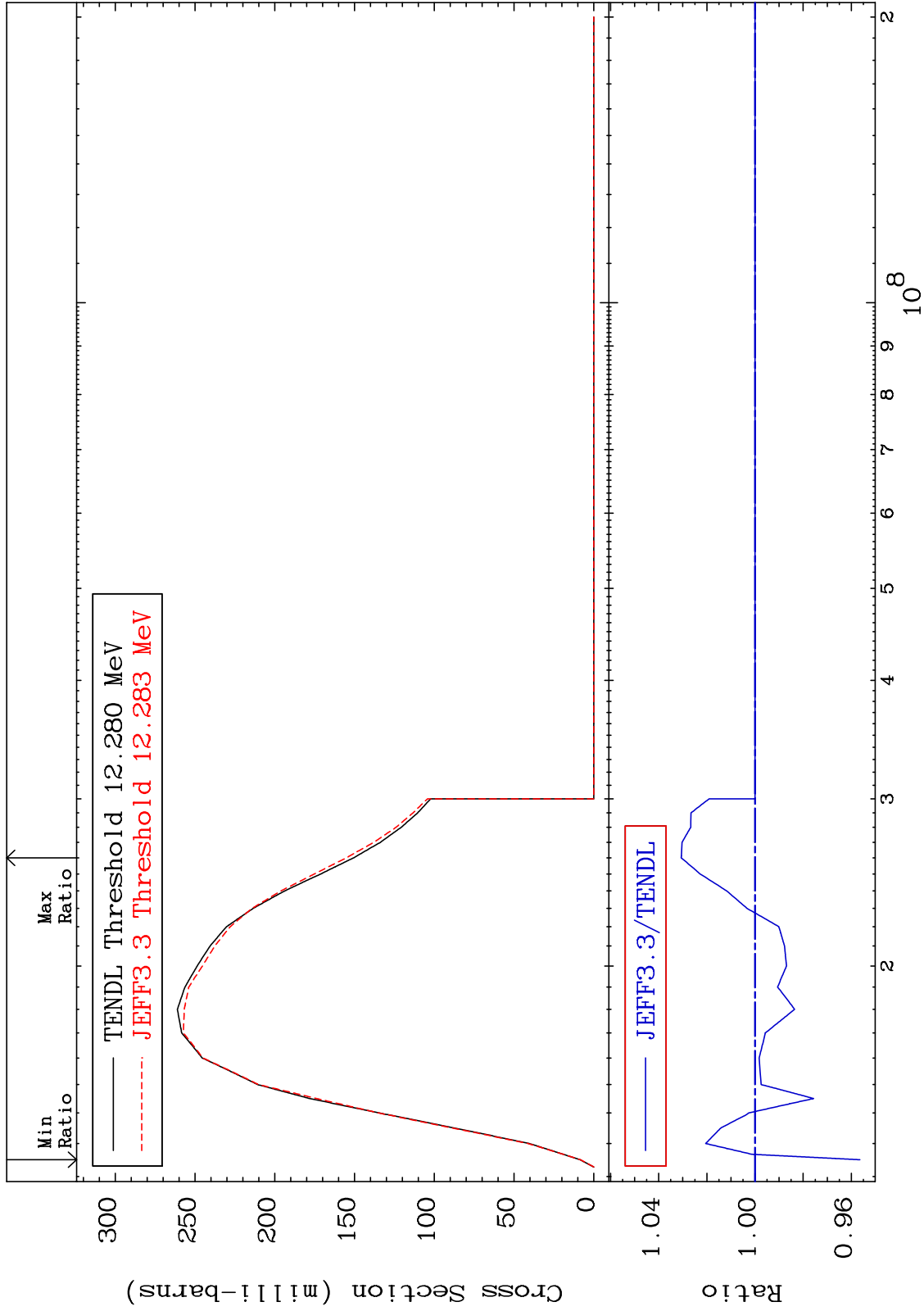
<sup>25</sup>Mn-53

MAT 2519

(n,2n):25-Mn-52g

25-Mn-53

Radionuclide Production Cross Section -4.358 To 3.065 %



78

Incident Energy (eV)

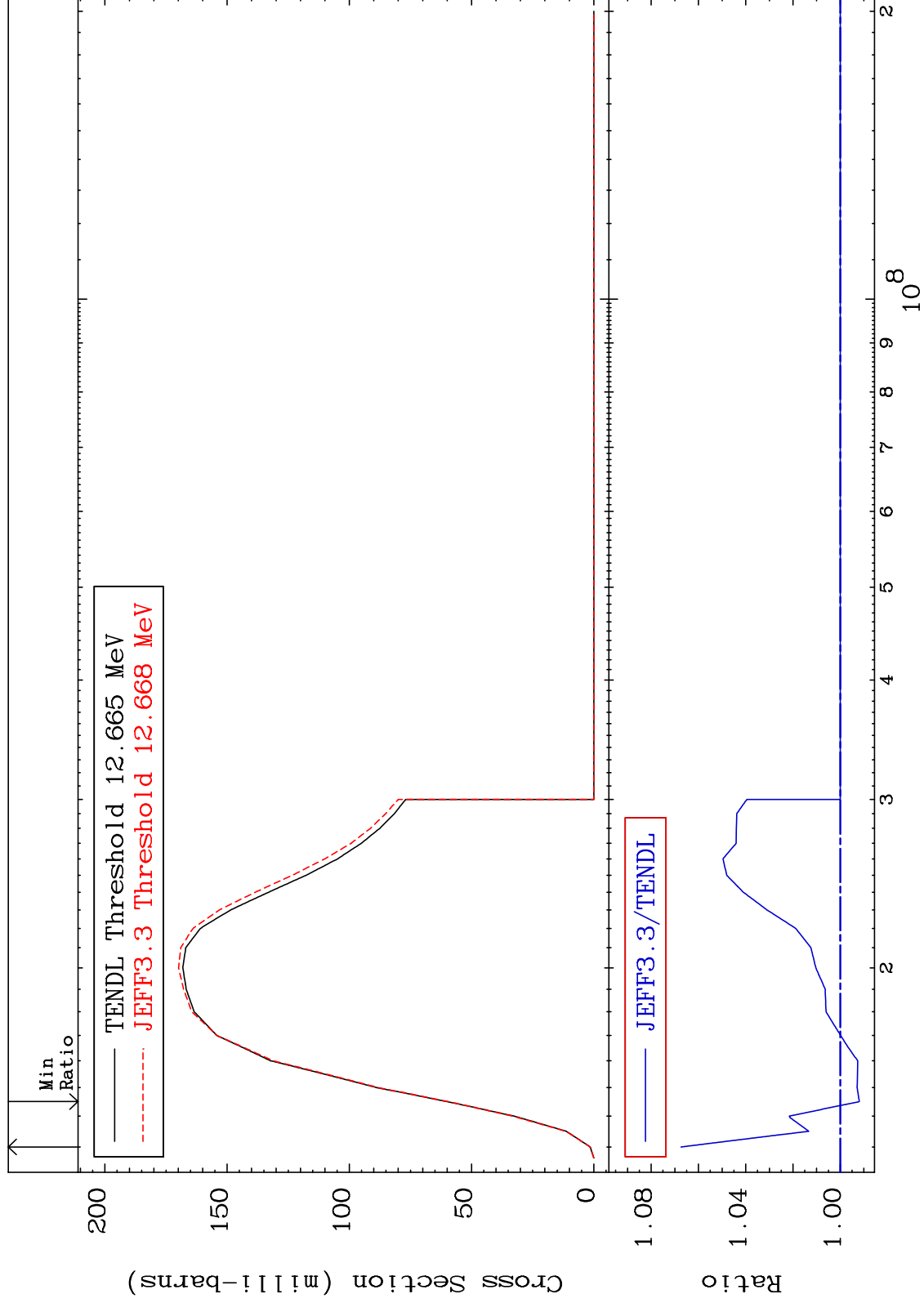
25-Mn-53

MAT 2519

(n,2n):25-Mn-52m1

25-Mn-53

Radionuclide Production Cross Section -0.805 To 6.735 %



79

Incident Energy (eV)

25-Mn-53

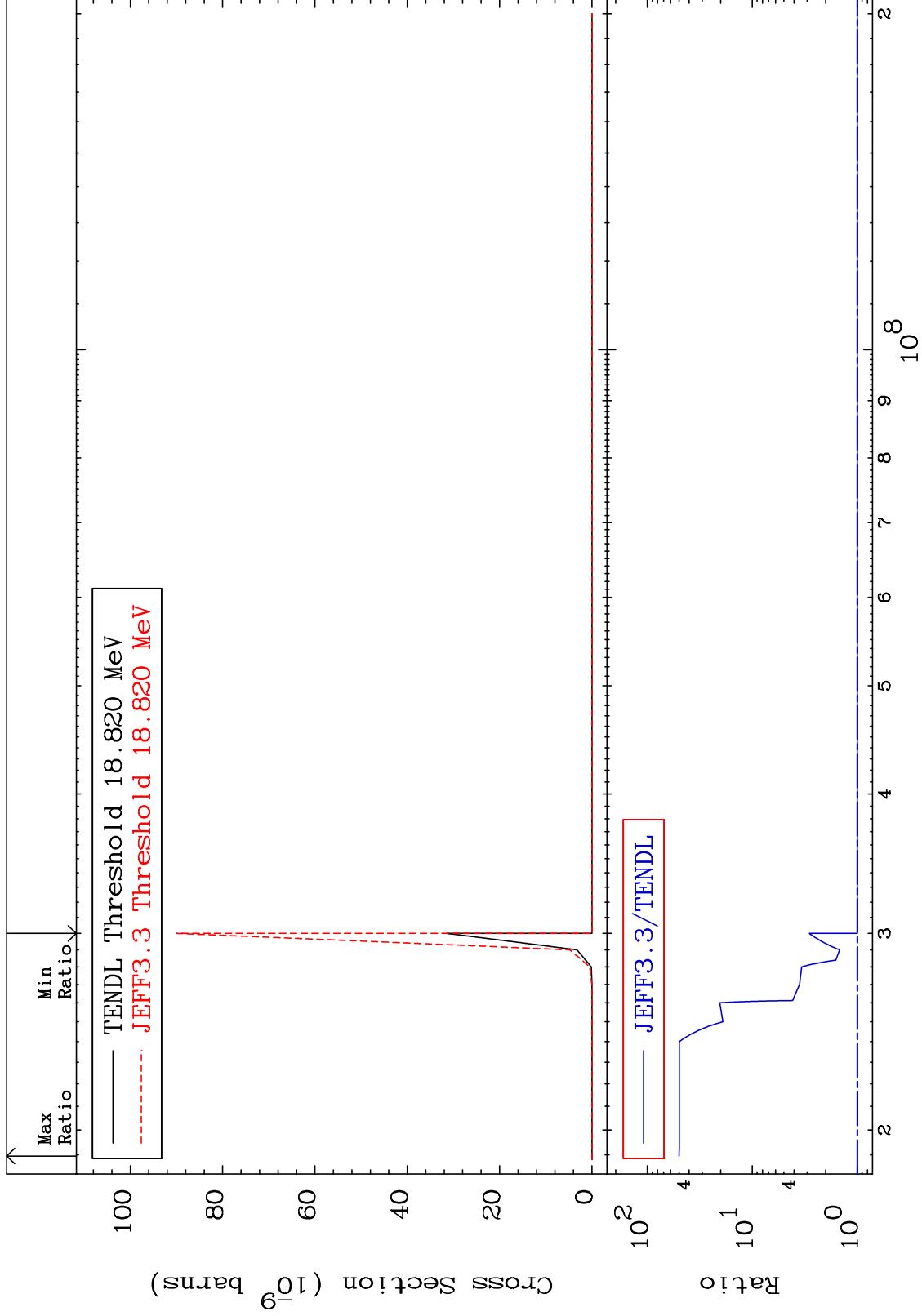


MAT 2519

(n, n')  $^{24}\text{Sc}$ -45g

$^{25}\text{Mn}$ -53

Radionuclide Production Cross Section 0.000 To 4882. %



80

Incident Energy (eV)

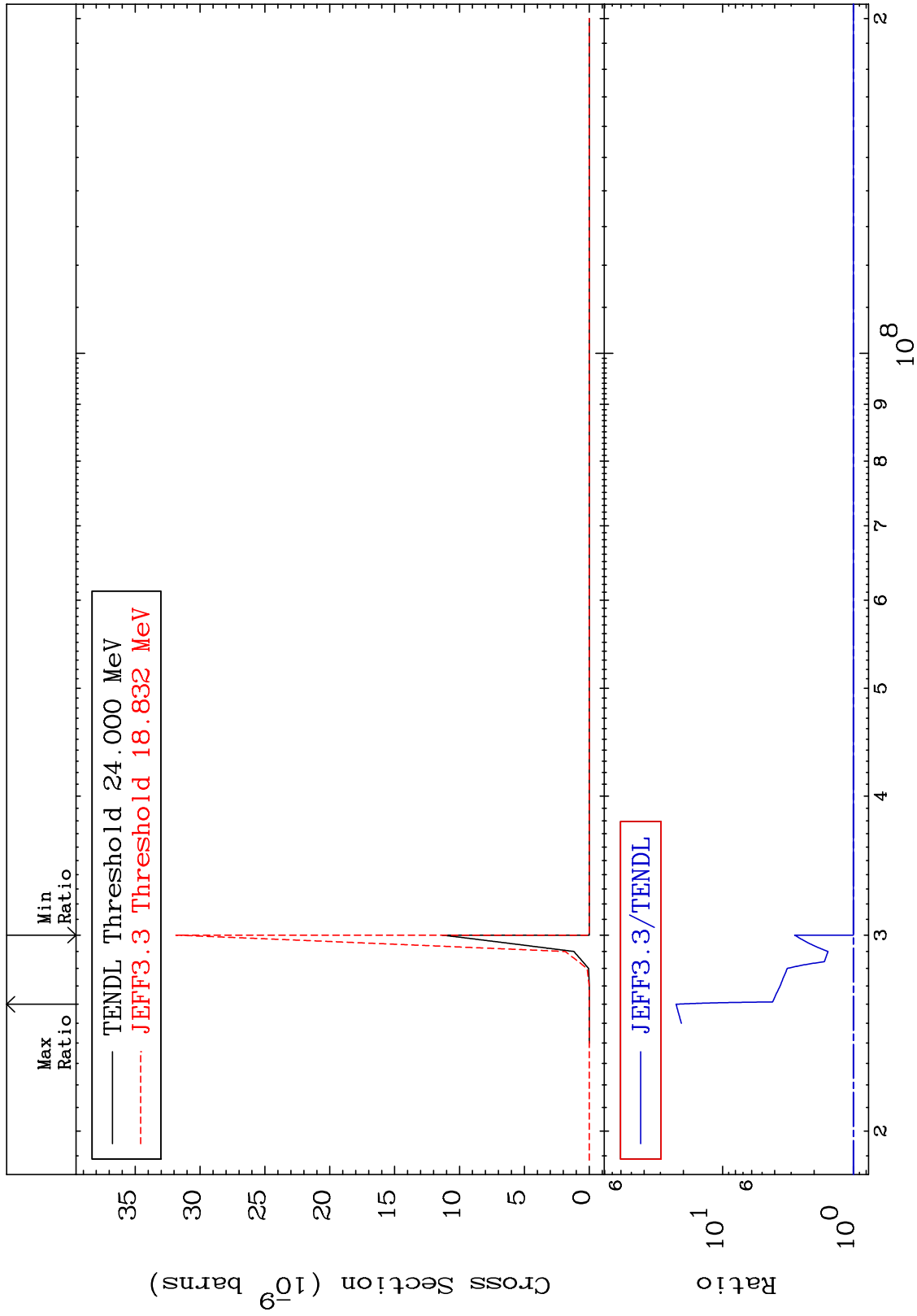
$^{25}\text{Mn}$ -53

MAT 2519

(n, n') 2α:21-Sc-45m1

25-Mn-53

Radionuclide Production Cross Section 0.000 To 2174. %



81

Incident Energy (eV)

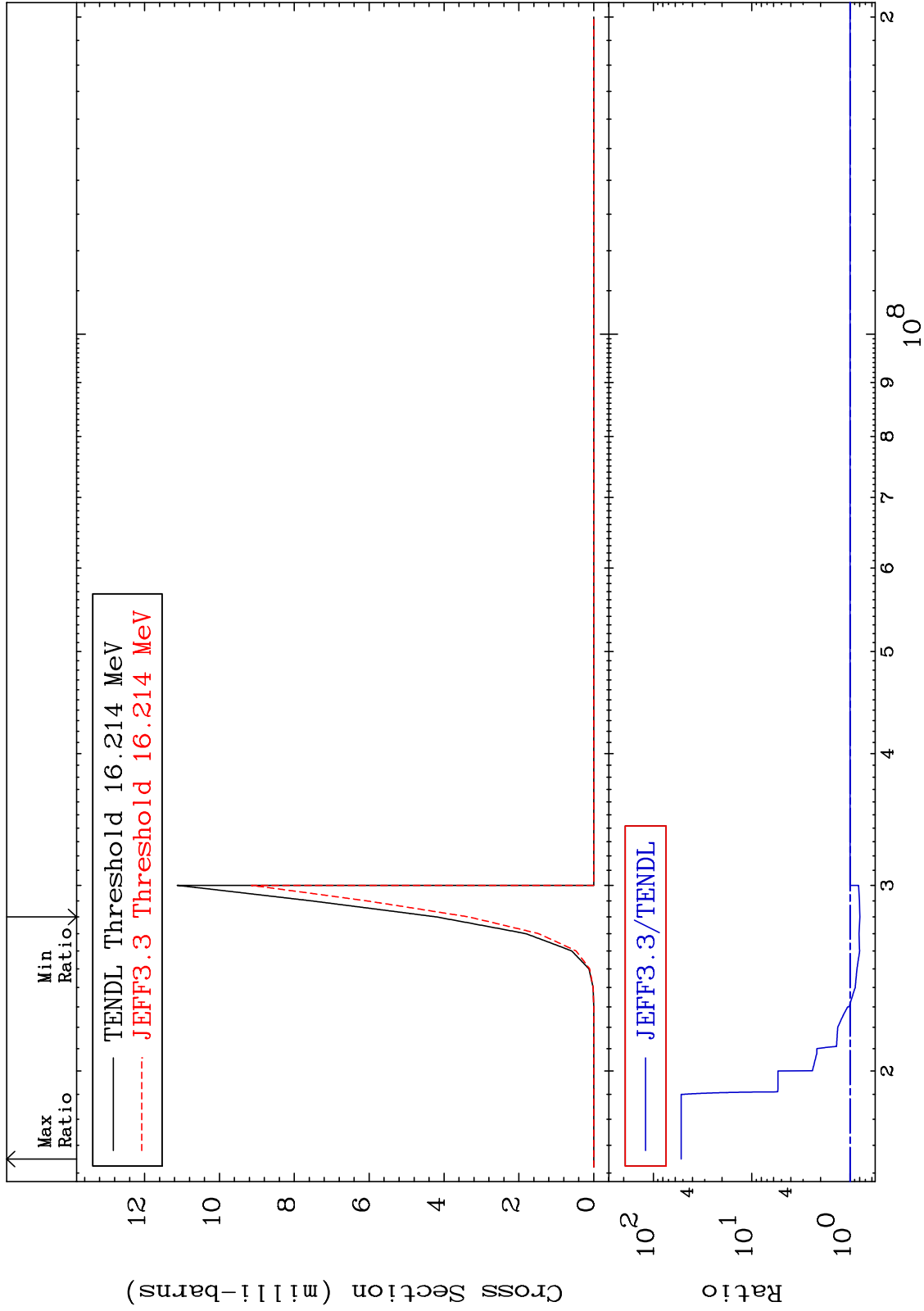
25-Mn-53

MAT 2519

(n, n') p  $\alpha$ :22-Ti-48g

25-Mn-53

Radionuclide Production Cross Section -20.50 To 5105. %

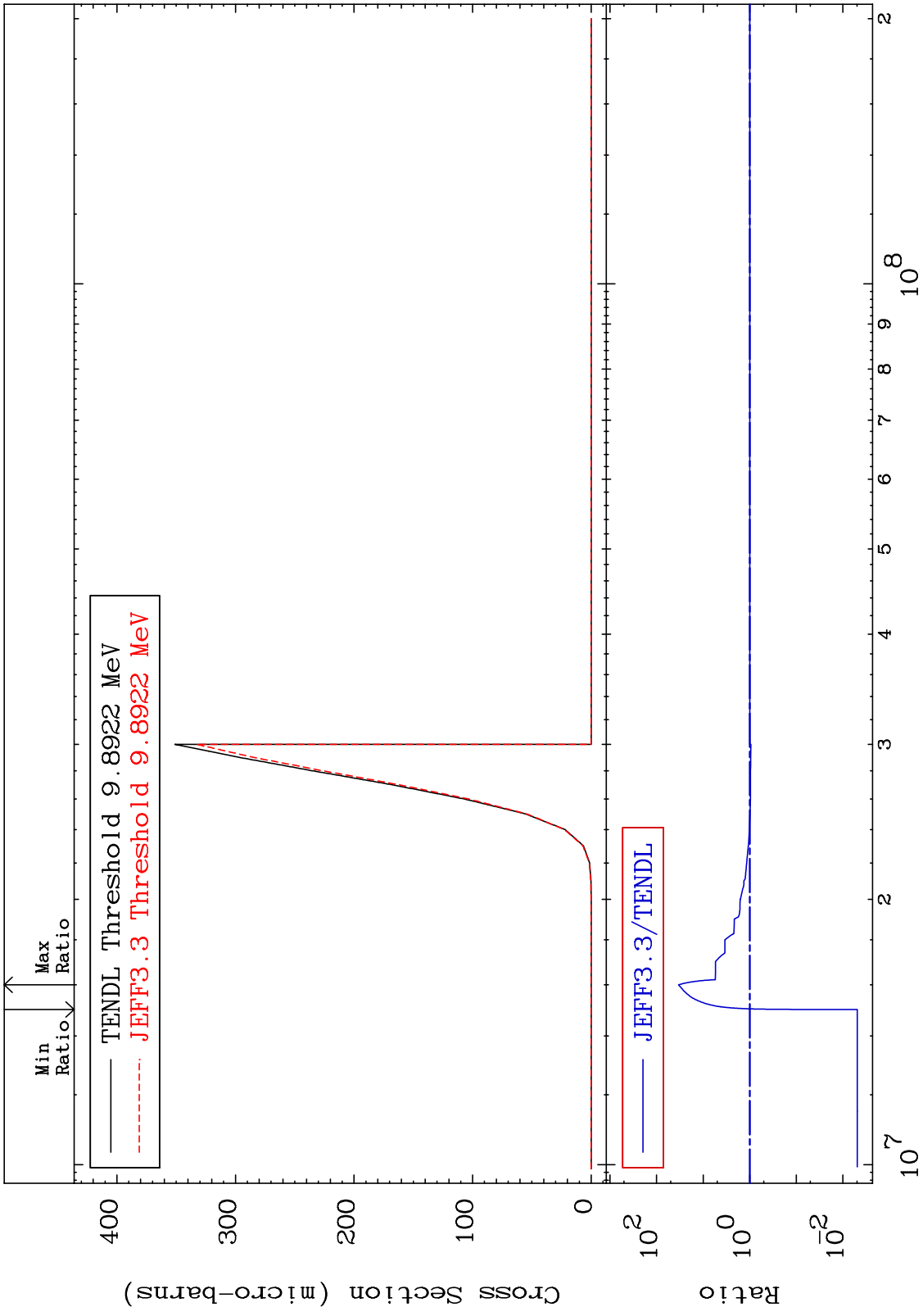


MAT 2519

(n,2α):21-Sc-46g

25-Mn-53

Radionuclide Production Cross Section -99.51 To 3267. %



83

Incident Energy (eV)

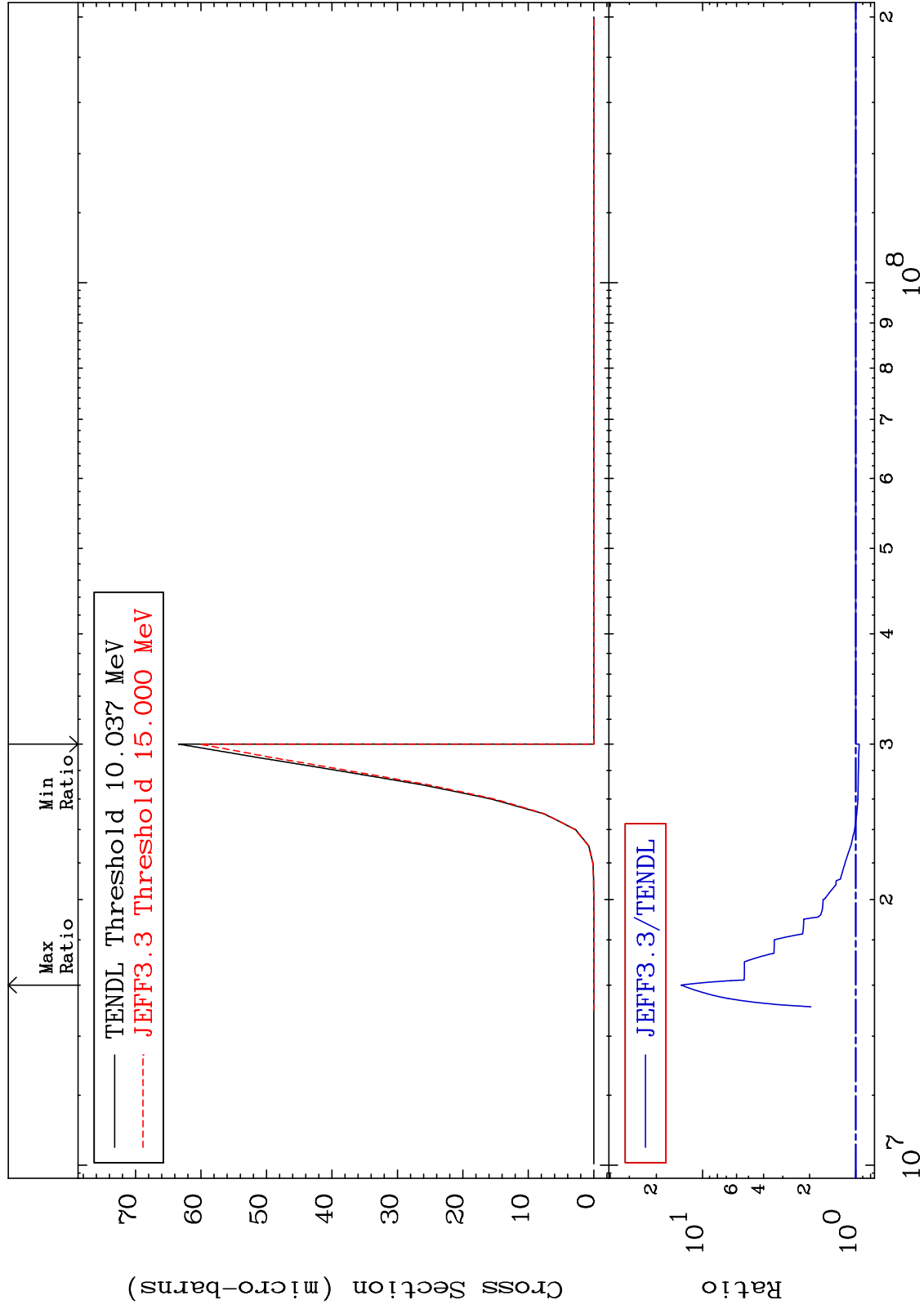
25-Mn-53

MAT 2519

(n,2α):21-Sc-46m2

25-Mn-53

Radionuclide Production Cross Section -5.084 To 1280. %



84

Incident Energy (eV)

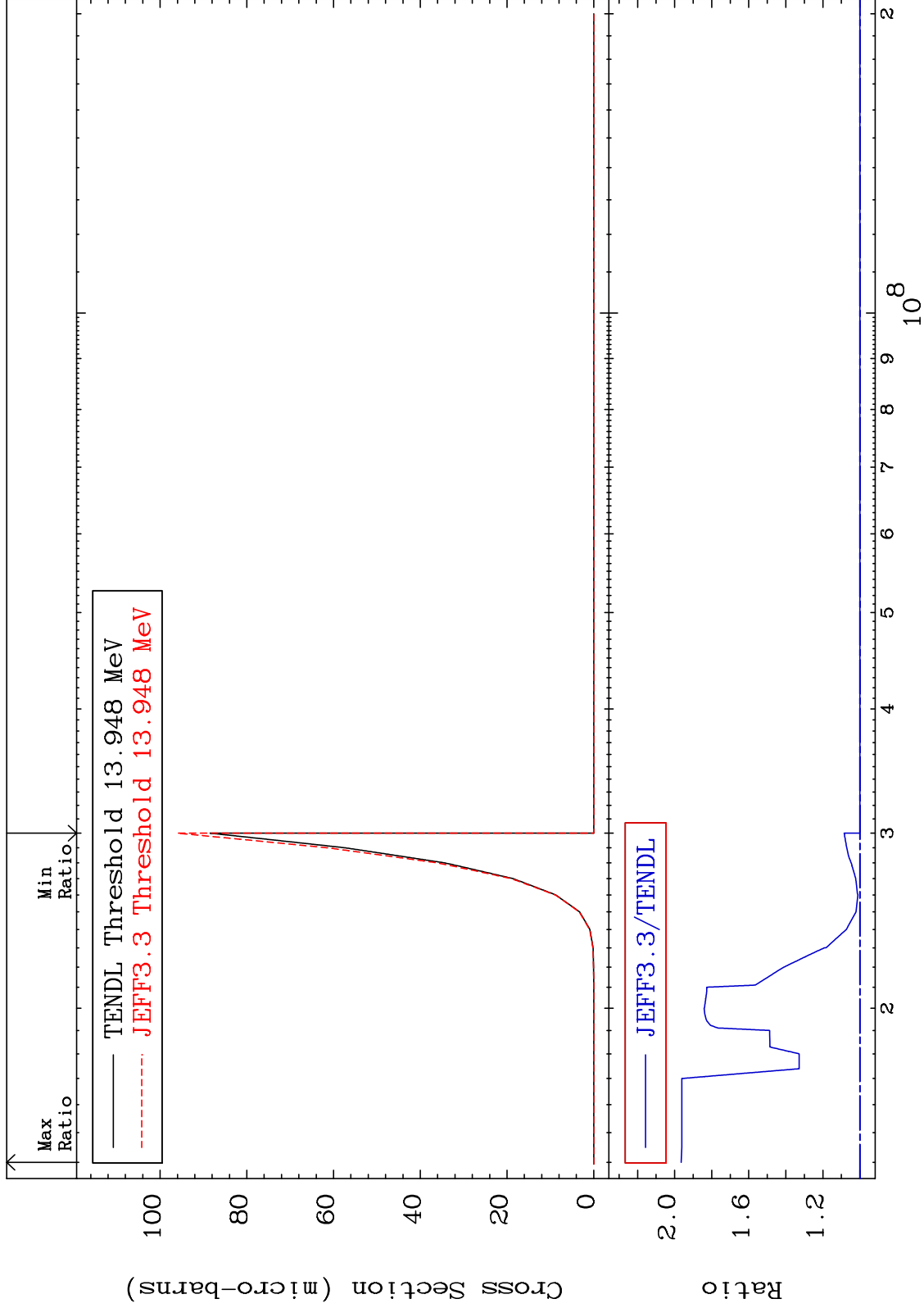
25-Mn-53

MAT 2519

(n,d)  $\alpha$ :22-Ti-48g

25-Mn-53

Radionuclide Production Cross Section 0.000 To 96.45 %



85

Incident Energy (eV)

25-Mn-53