

Program Complot
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

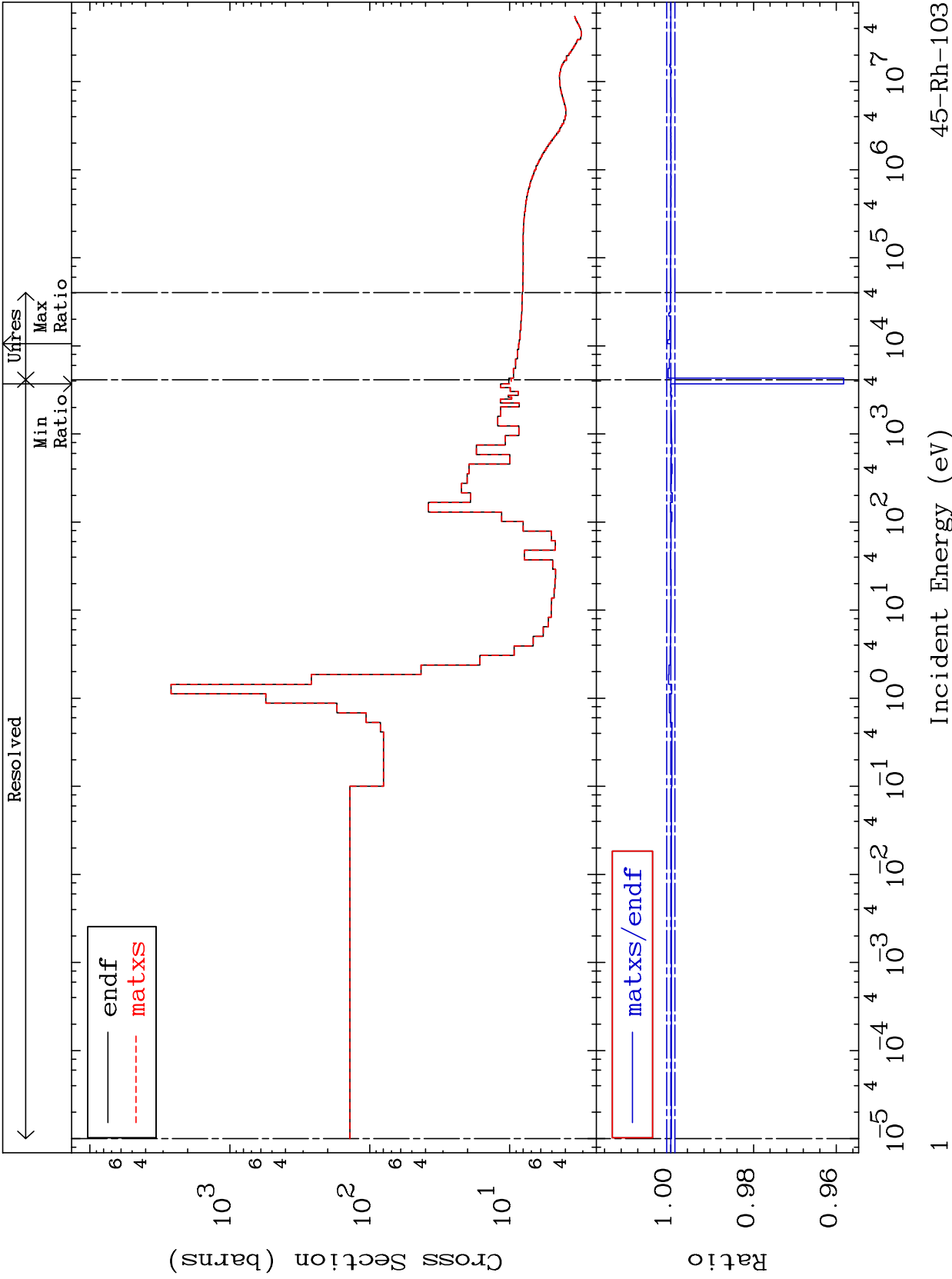
E.Mail: redcullen1@comcast.net
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 4525

Total
Cross Section

45-Rh-103
-4.177 To 0.080 %

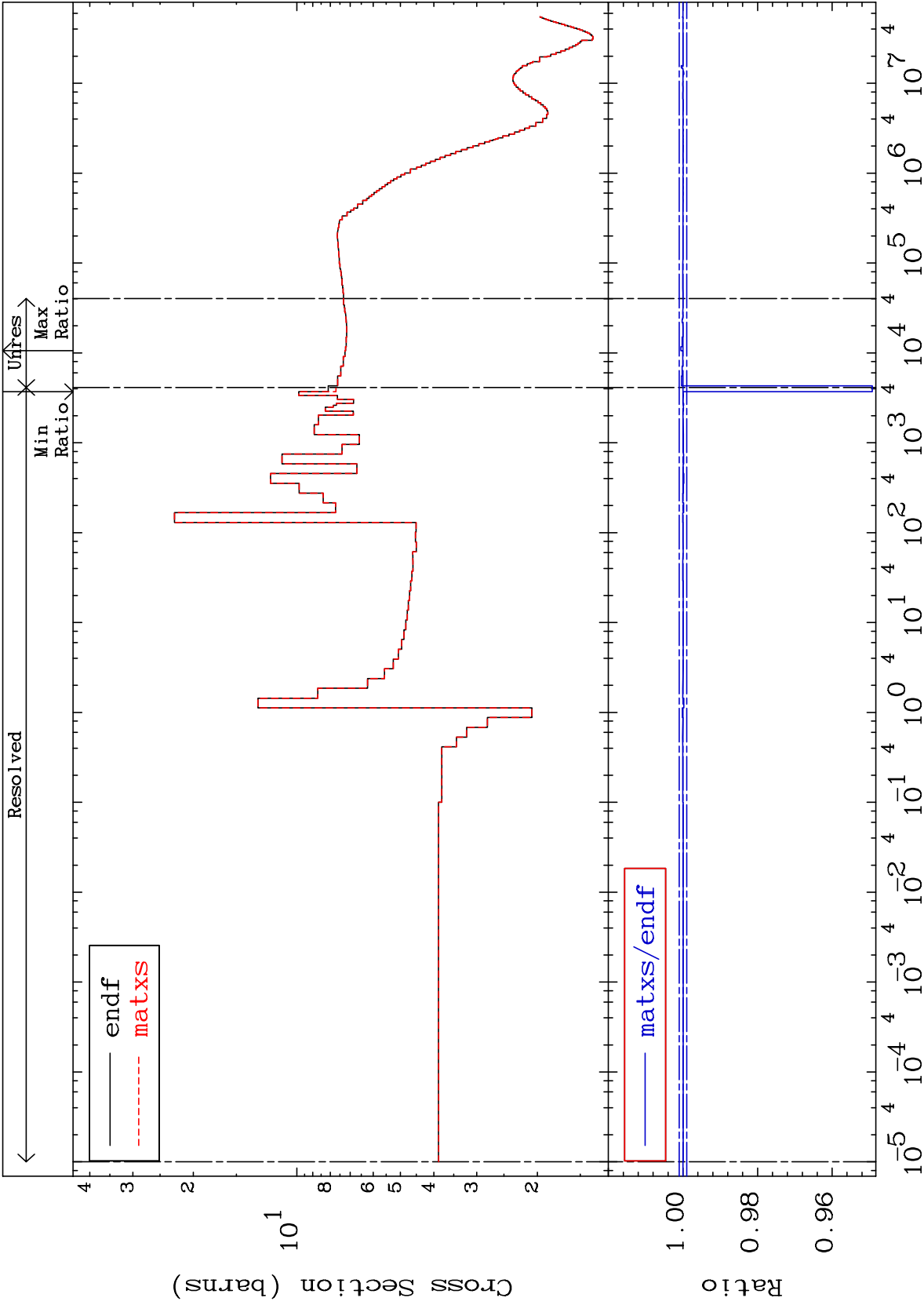


45-Rh-103

MAT 4525

Elastic Cross Section

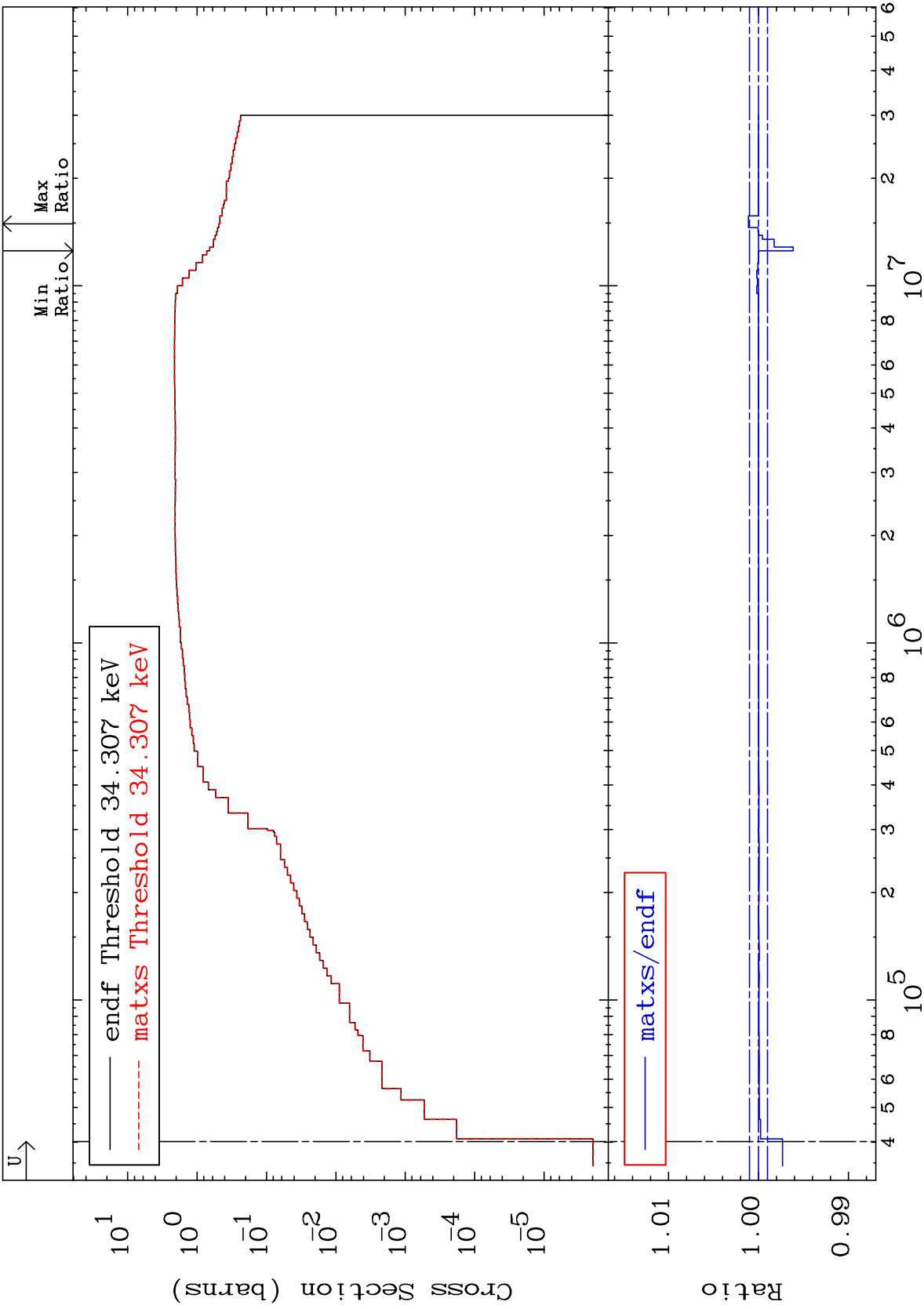
45-Rh-103
-5.076 To 0.055 %



MAT 4525

Inelastic
Cross Section

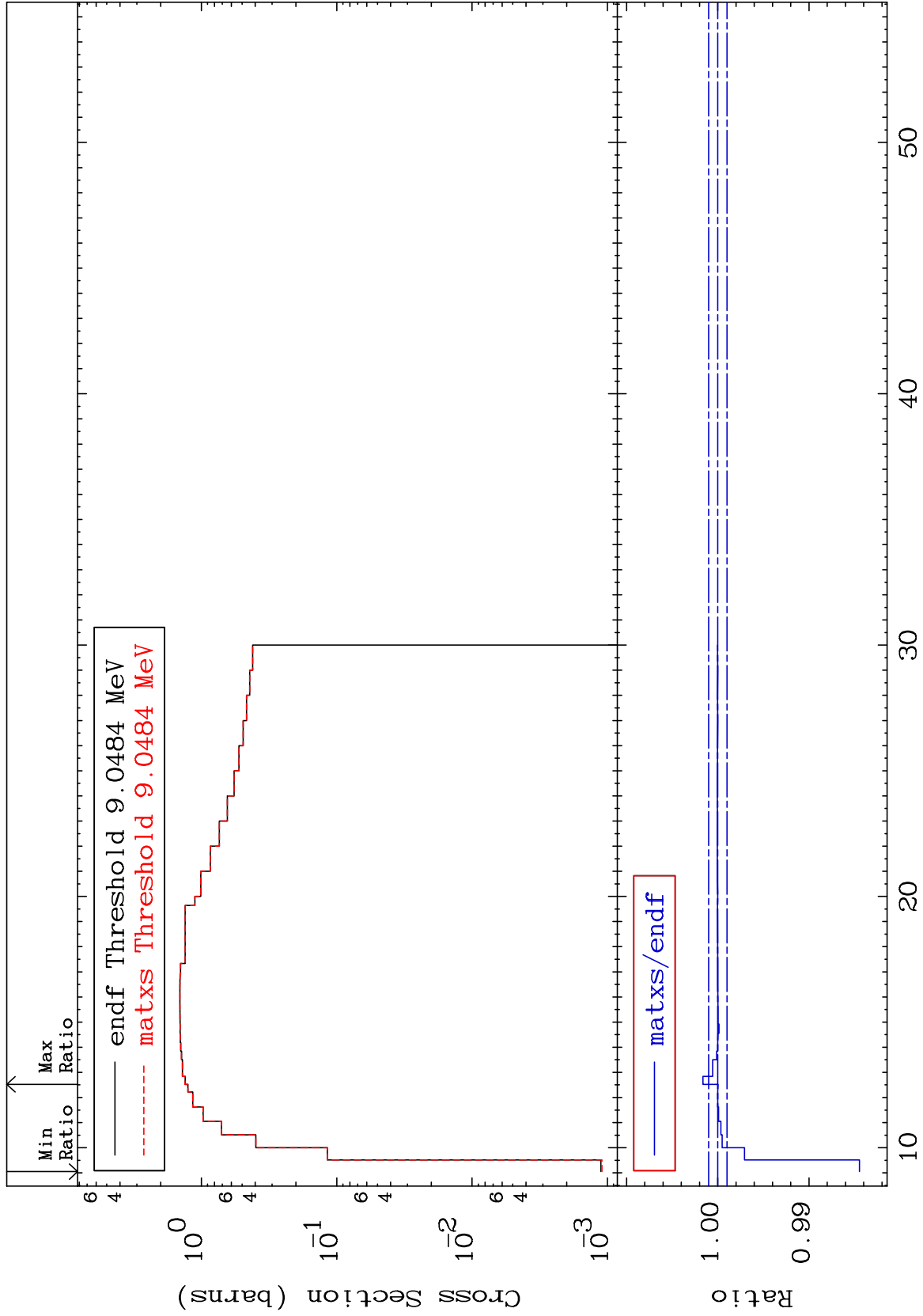
45-Rh-103
-0.384 To 0.113 %



MAT 4525

(n,2n)
Cross Section

45-Rh-103
-1.552 To 0.164 %



4

Incident Energy (MeV)

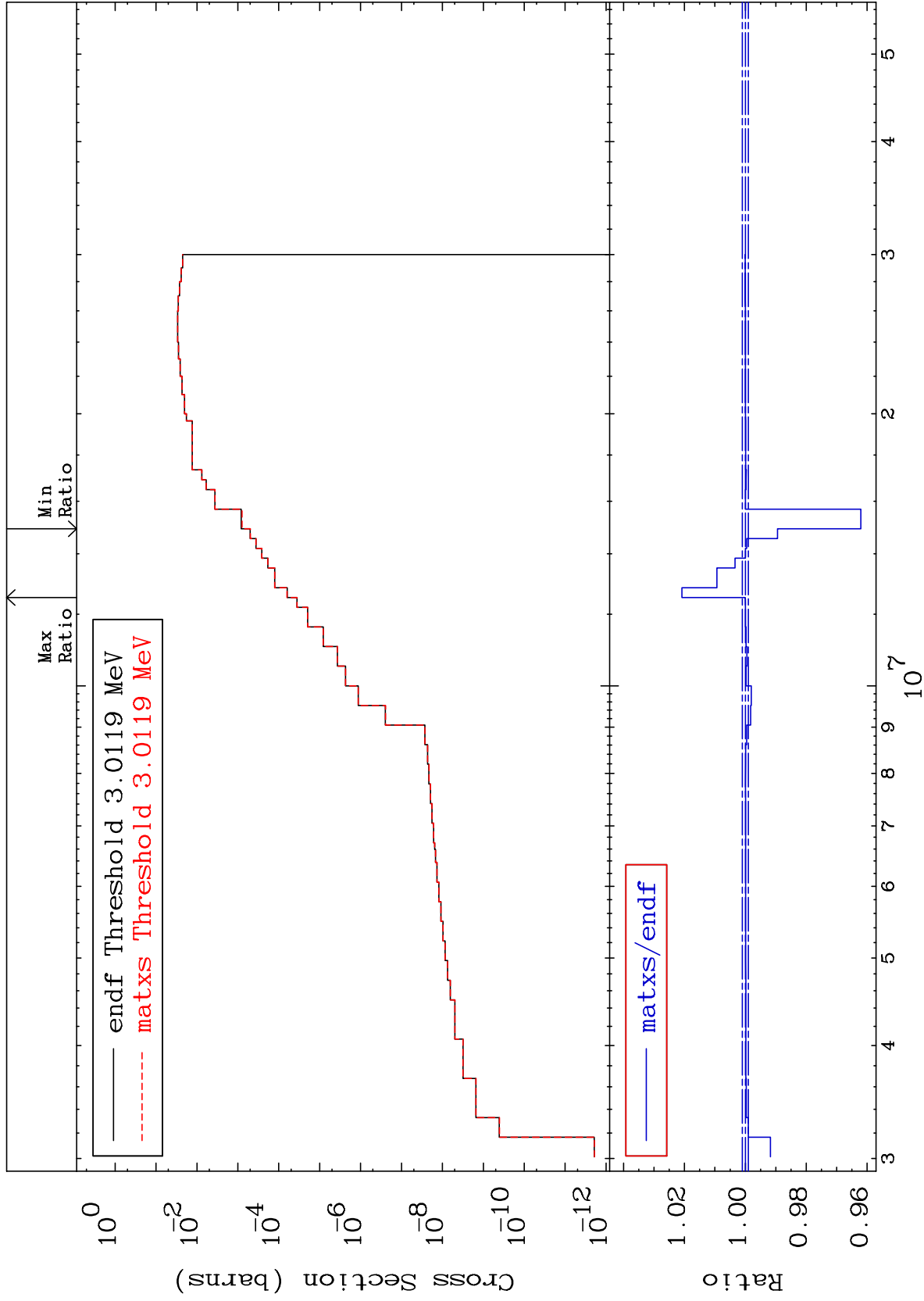
45-Rh-103

MAT 4525

(n, n') α

45-Rh-103
-3.793 To 2.083 %

Cross Section



5

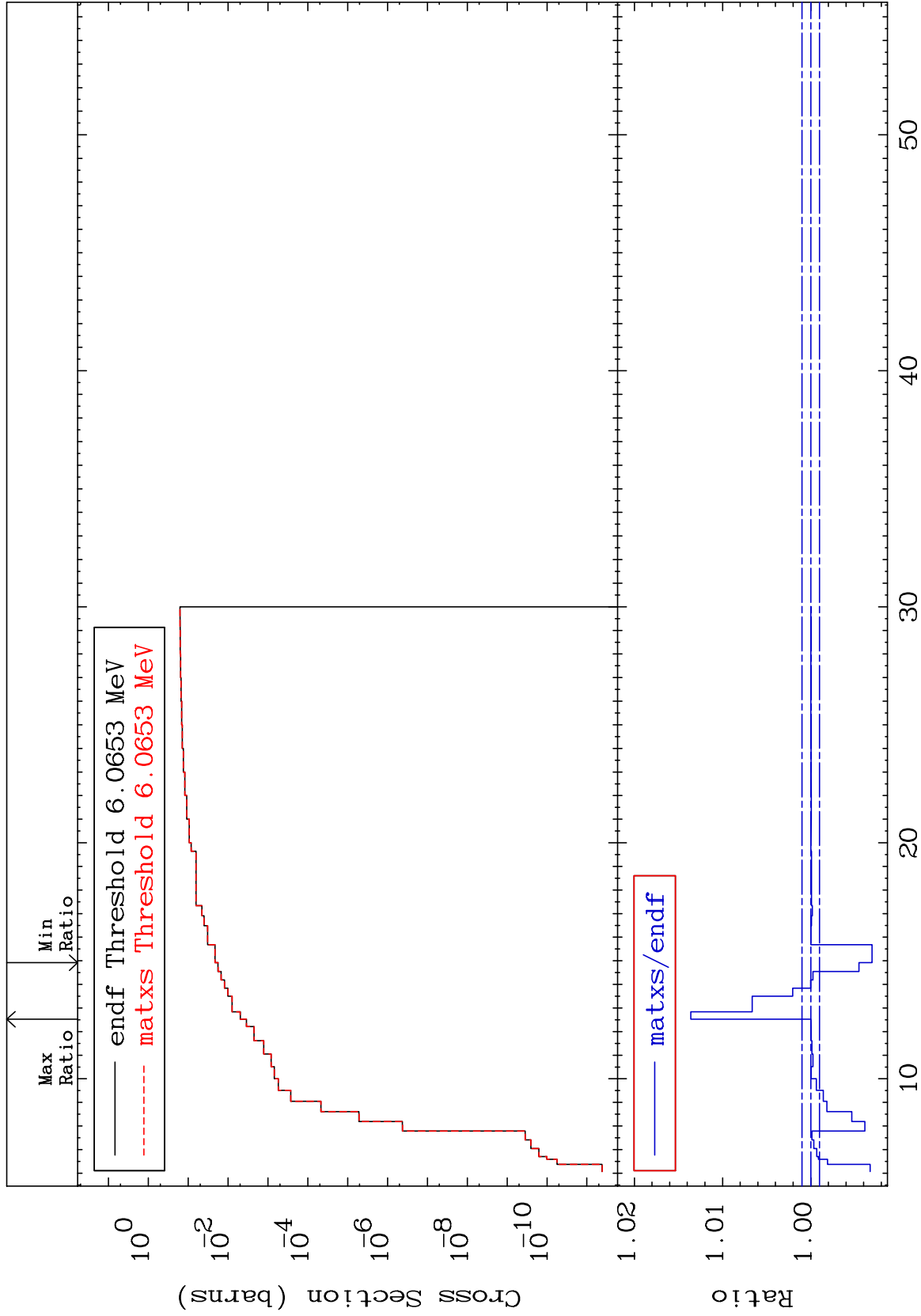
Incident Energy (eV)

45-Rh-103

MAT 4525

(n, n') p
Cross Section

45-Rh-103
-0.695 To 1.360 %



6

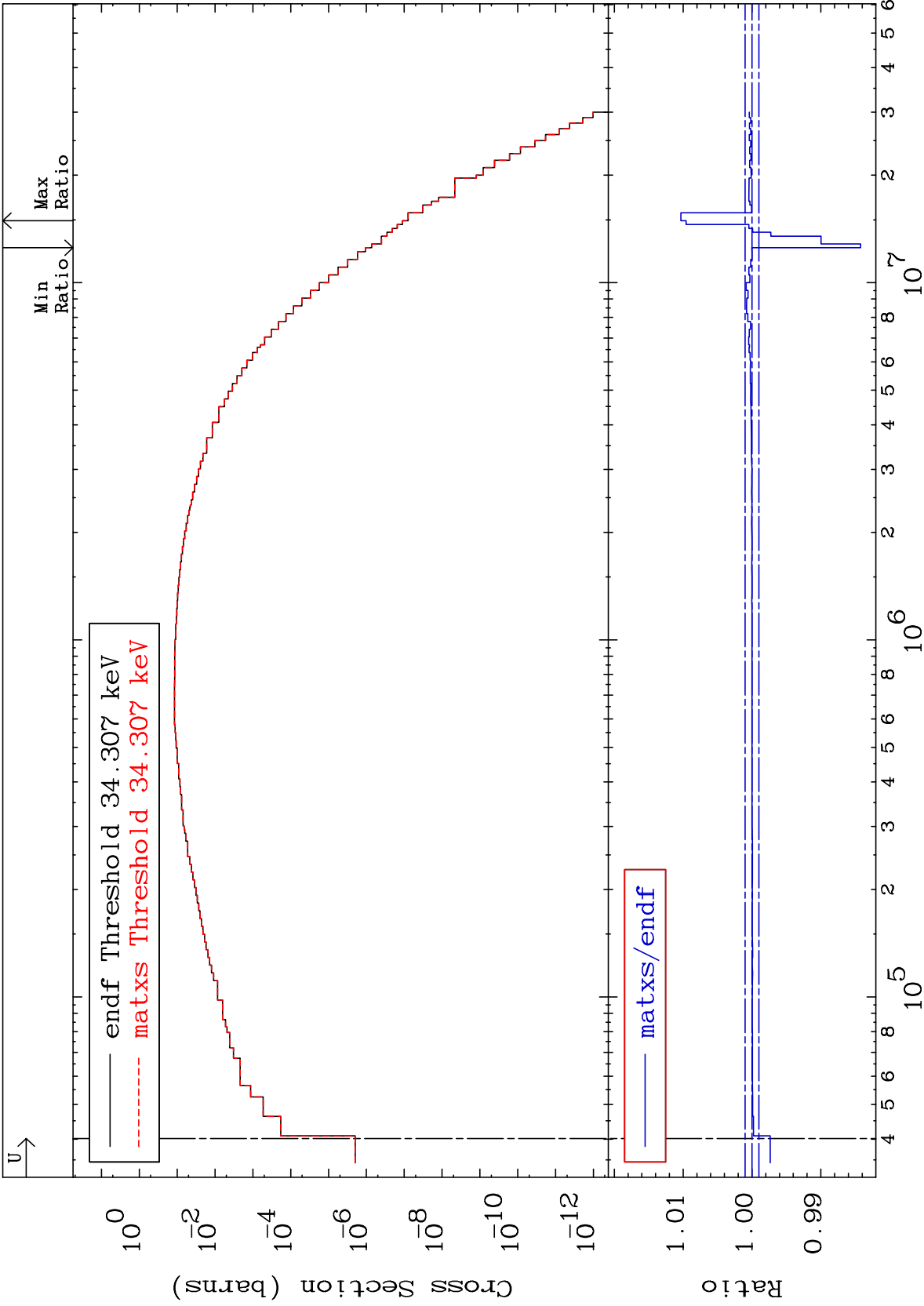
Incident Energy (MeV)

45-Rh-103

MAT 4525

39.76 keV (n,n') Level
Cross Section

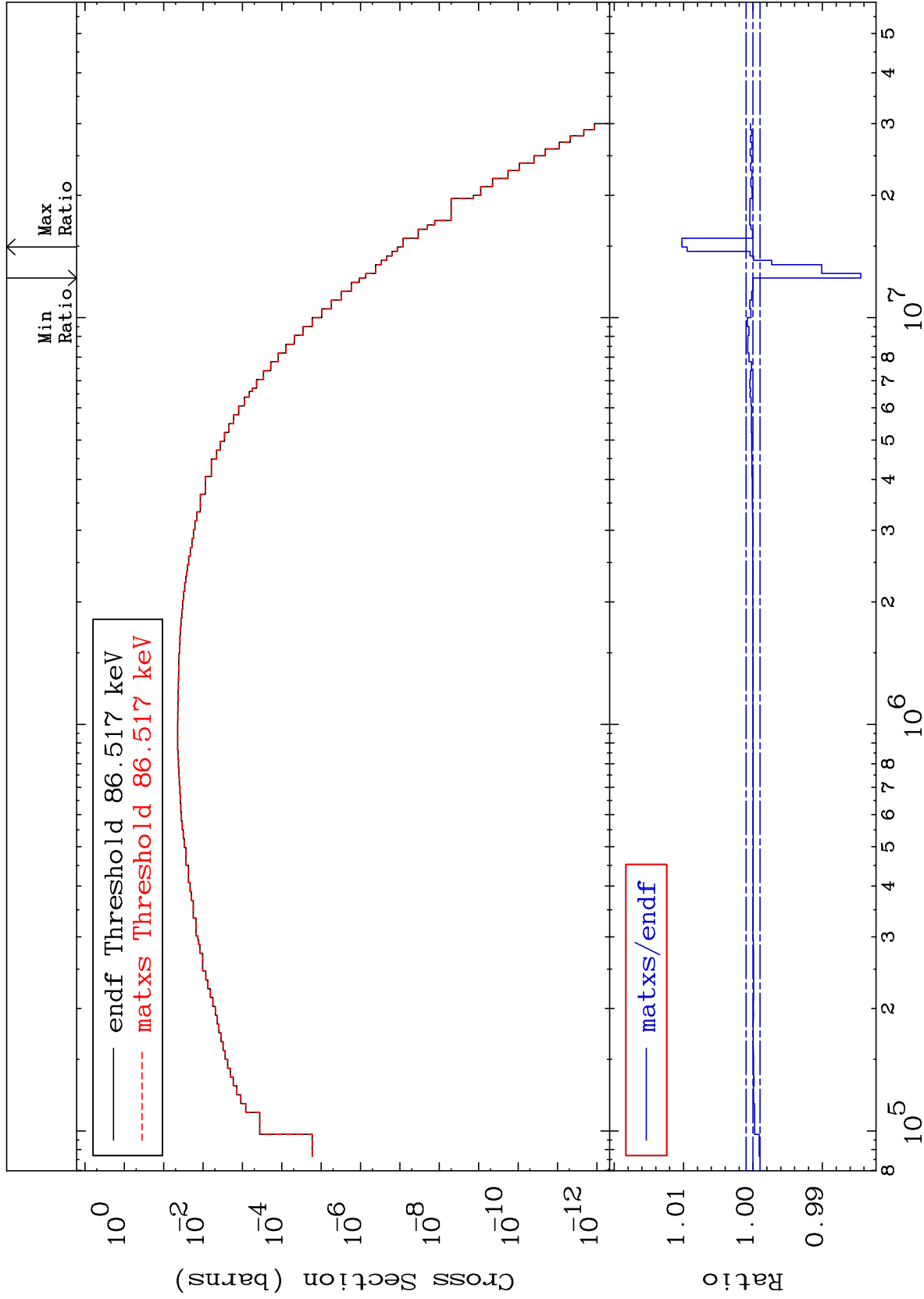
45-Rh-103
-1.577 To 1.032 %



MAT 4525

93.04 keV (n,n') Level
Cross Section

45-Rh-103
-1.554 To 1.024 %



8

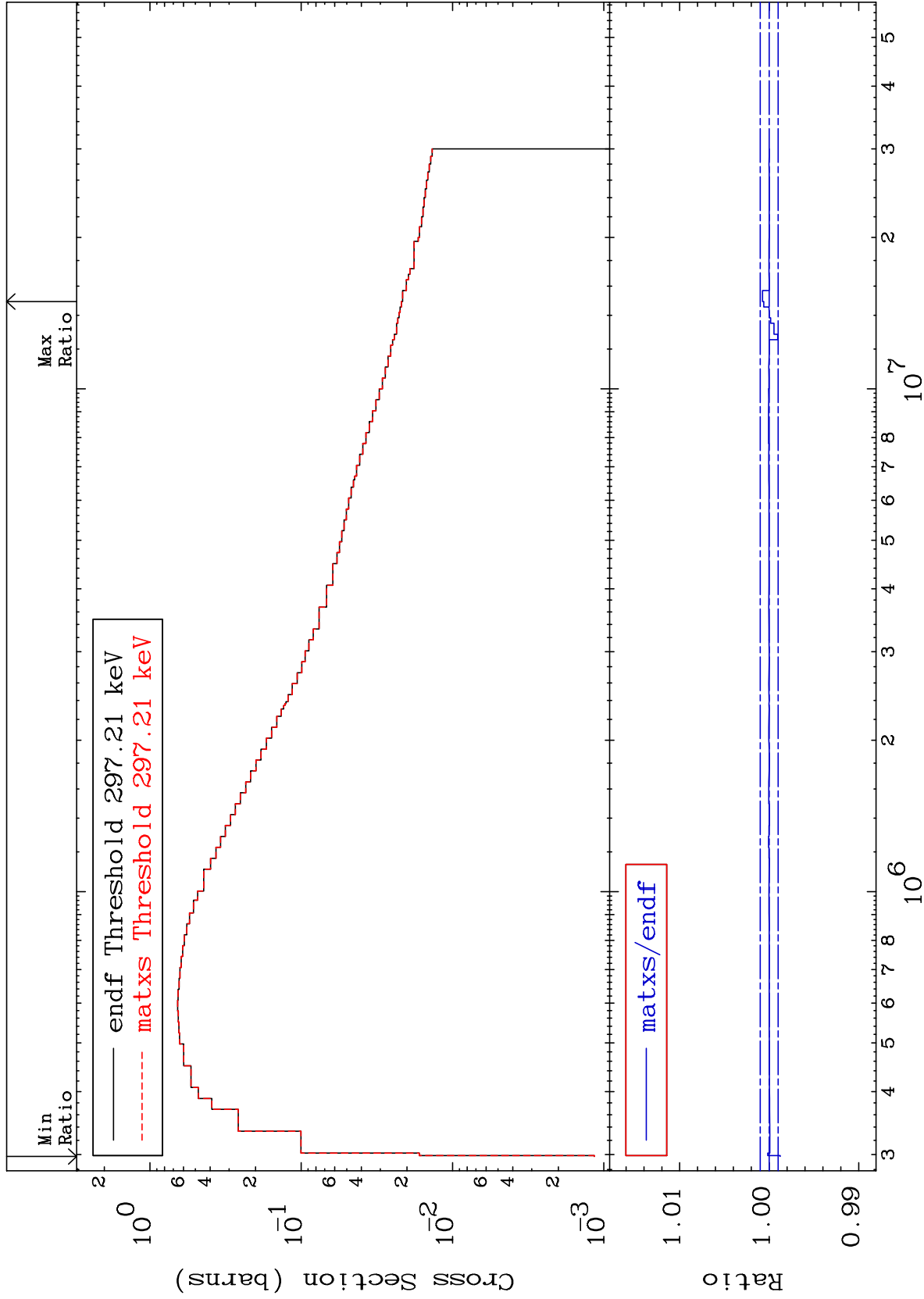
Incident Energy (eV)

45-Rh-103

MAT 4525

295.0 keV (n,n') Level
Cross Section

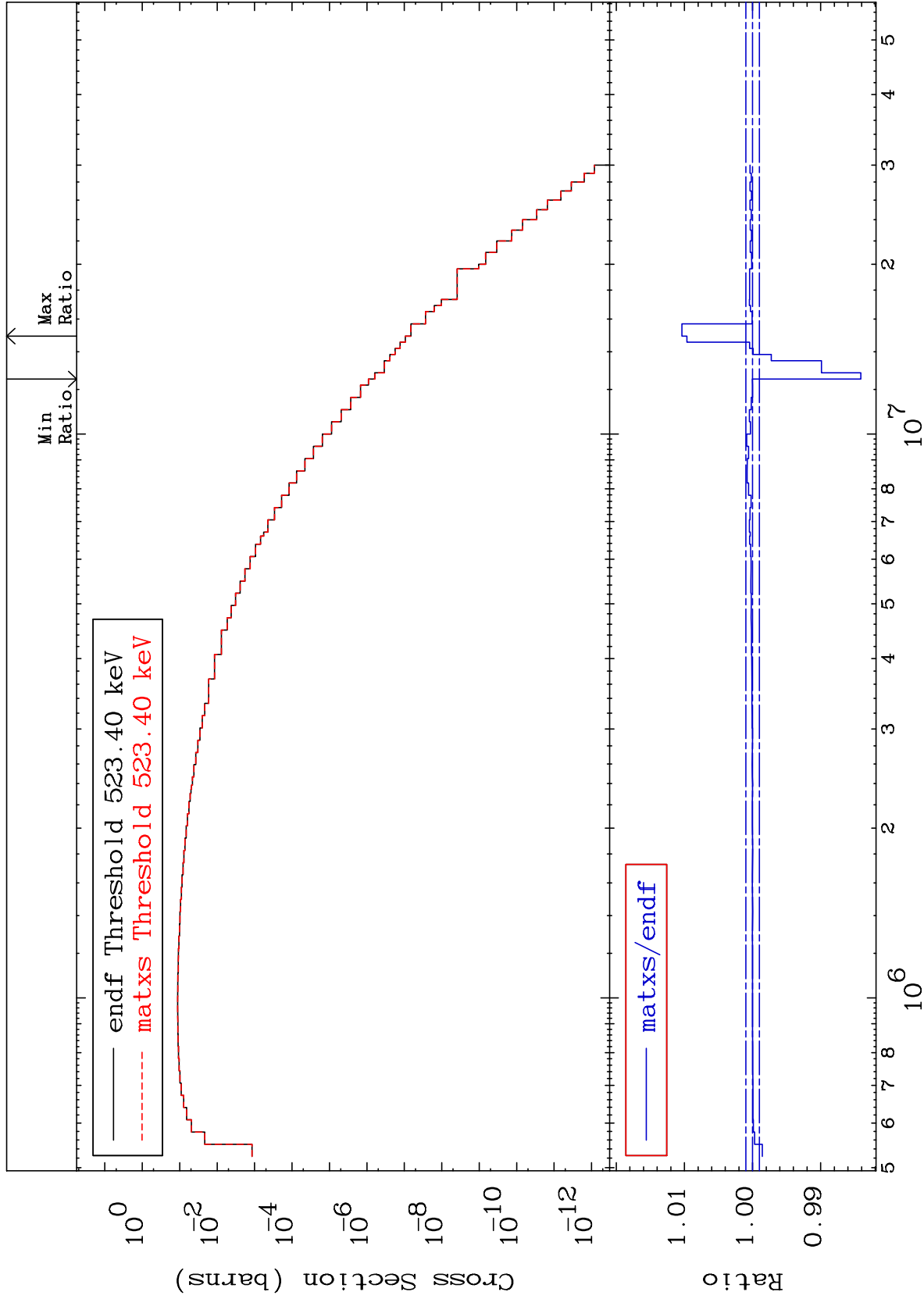
45-Rh-103
-0.124 To 0.075 %



MAT 4525

536.8 keV (n,n') Level
Cross Section

45-Rh-103
-1.589 To 1.036 %



10

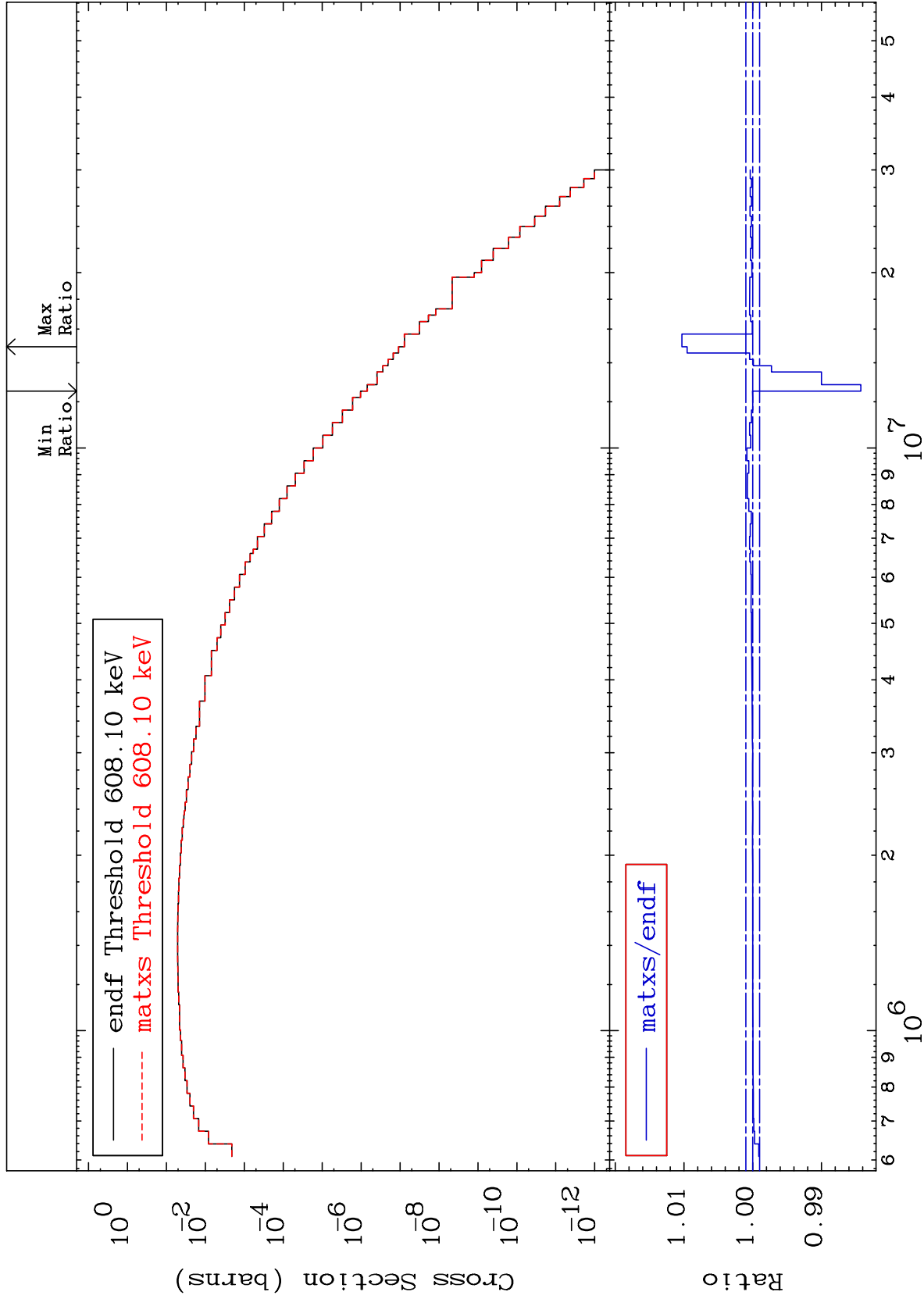
Incident Energy (eV)

45-Rh-103

MAT 4525

607.4 keV (n,n') Level
Cross Section

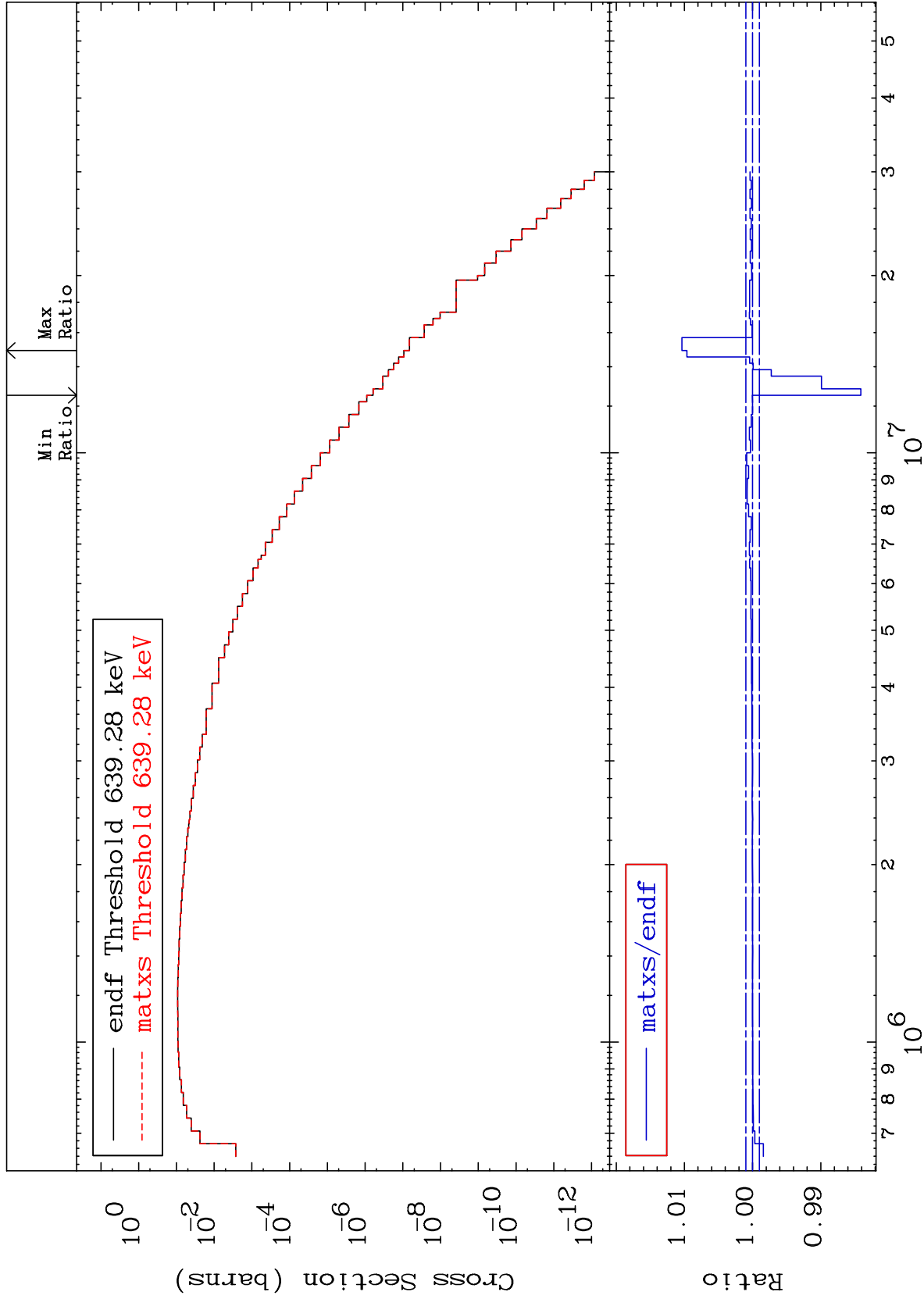
45-Rh-103
-1.573 To 1.030 %



MAT 4525

650.1 keV (n,n') Level
Cross Section

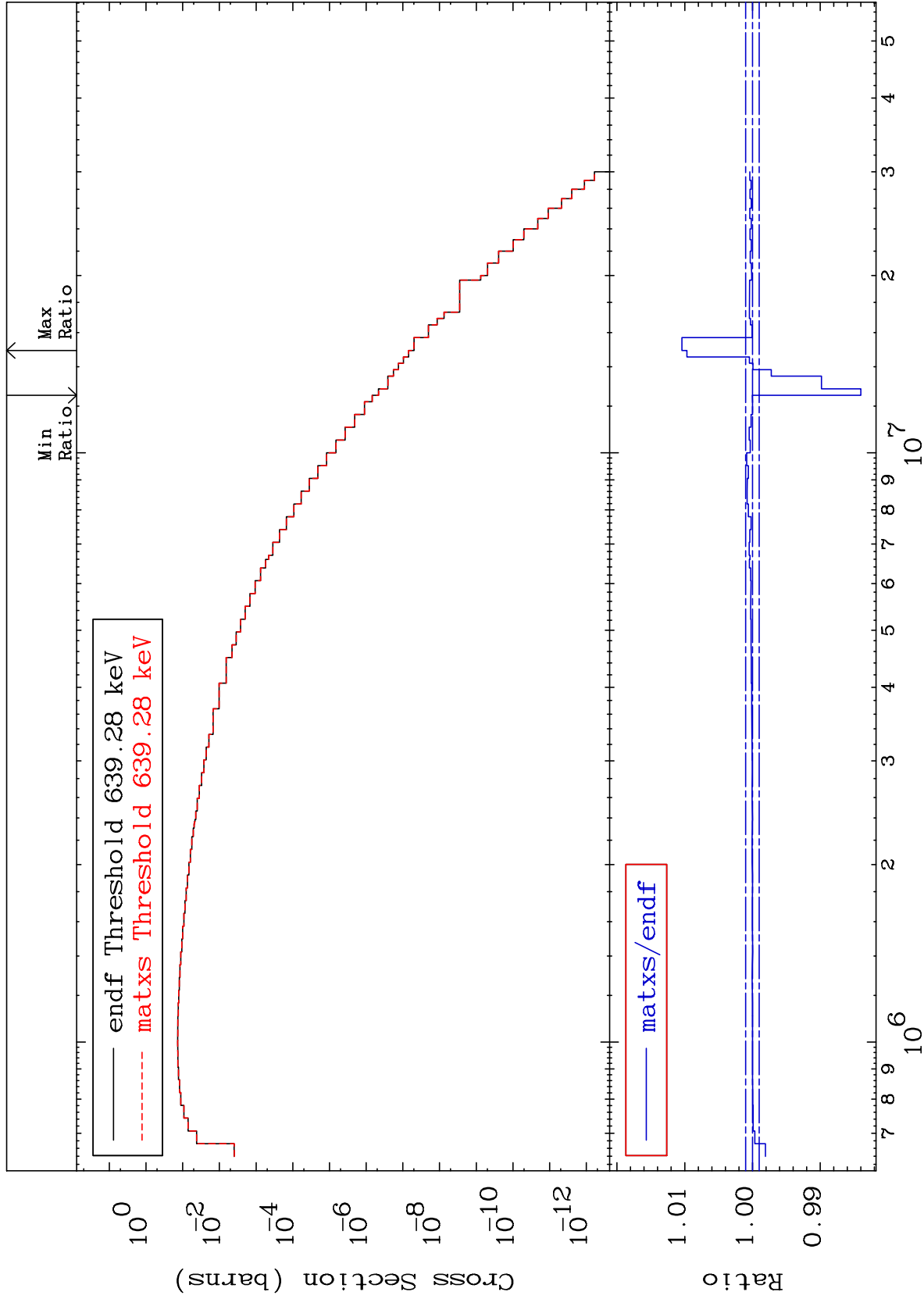
45-Rh-103
-1.588 To 1.036 %



MAT 4525

651.8 keV (n,n') Level
Cross Section

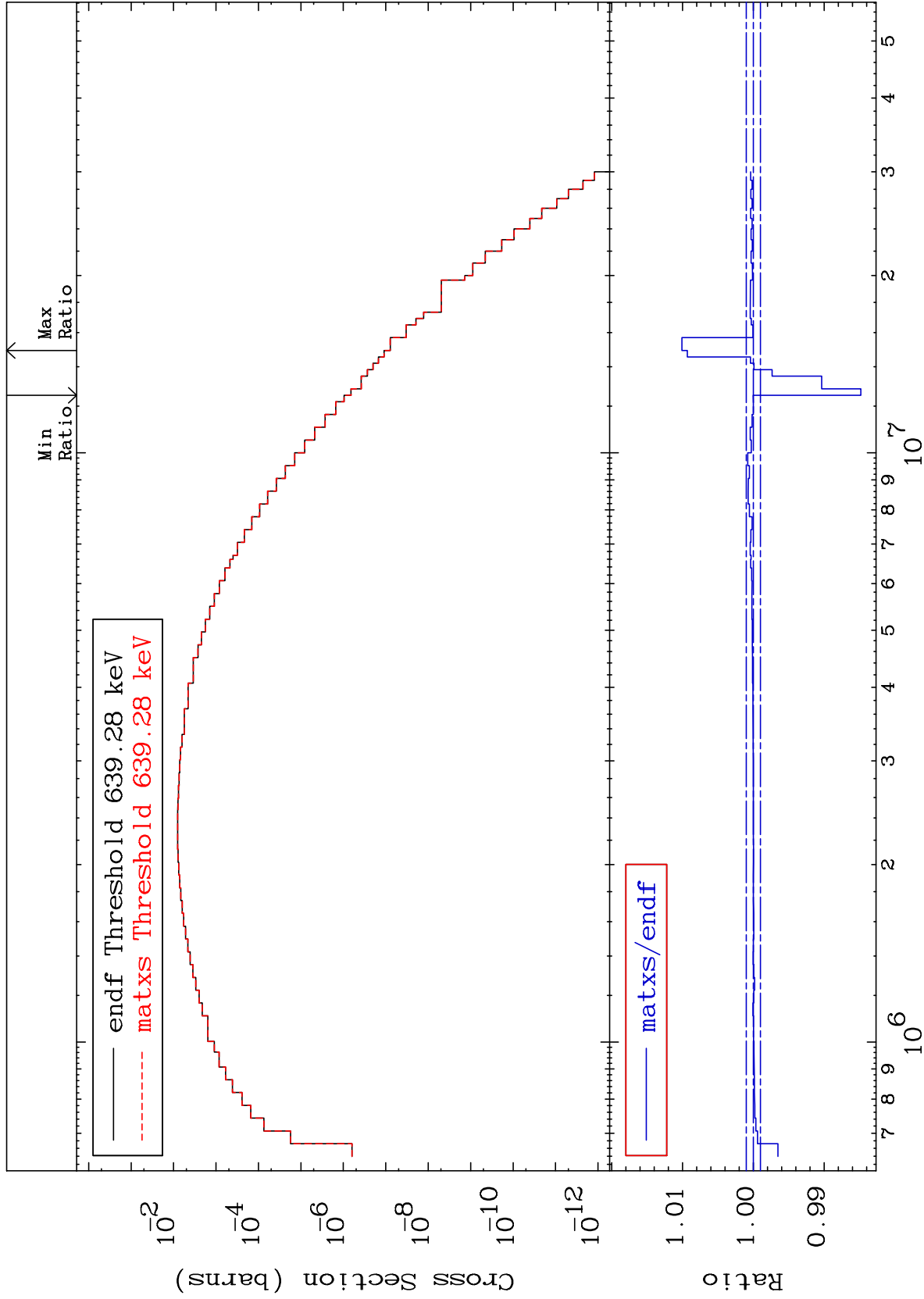
45-Rh-103
-1.600 To 1.041 %



MAT 4525

657.7 keV (n,n') Level
Cross Section

45-Rh-103
-1.517 To 1.008 %



14

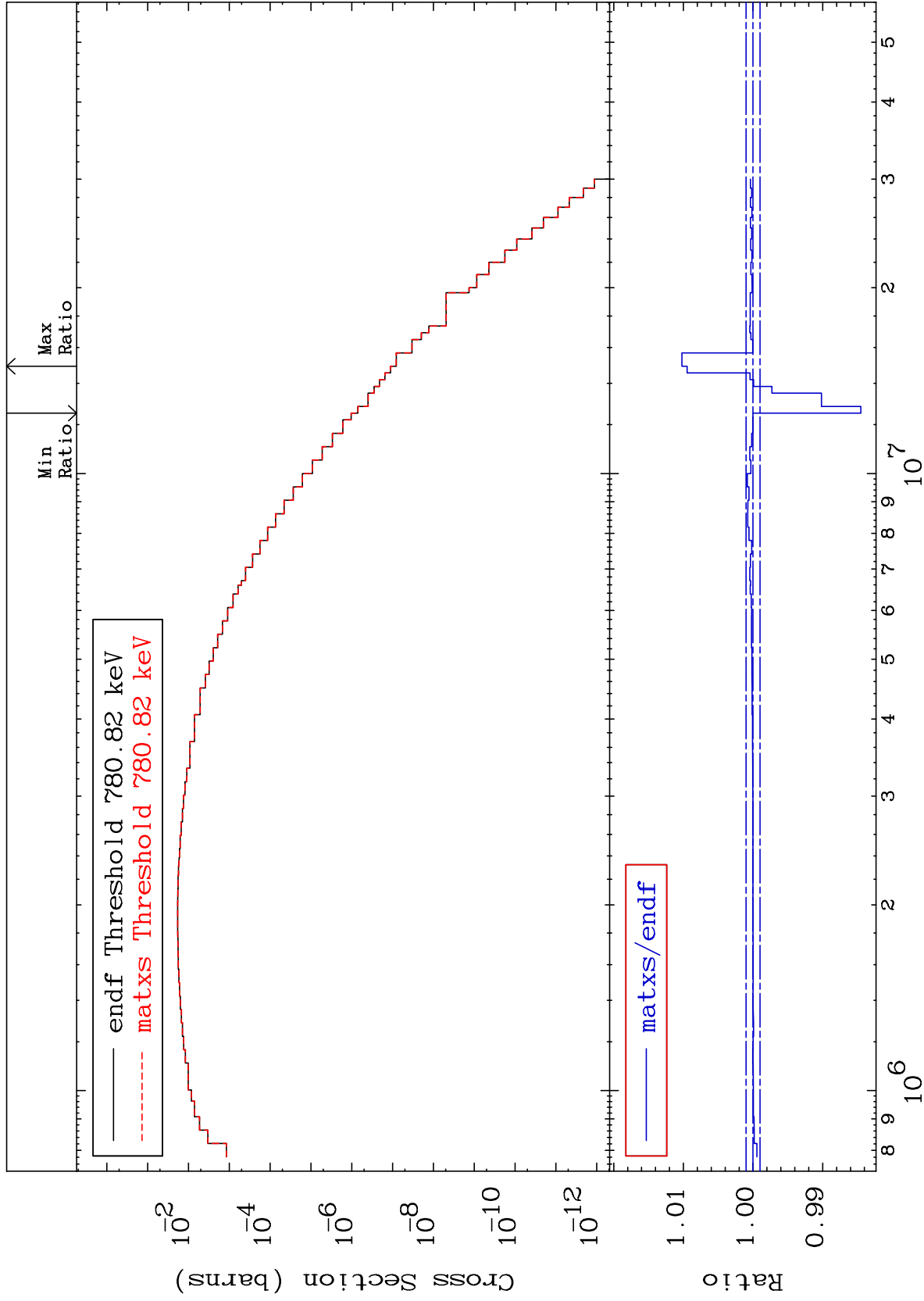
Incident Energy (eV)

45-Rh-103

MAT 4525

780.5 keV (n,n') Level
Cross Section

45-Rh-103
-1.548 To 1.020 %



15

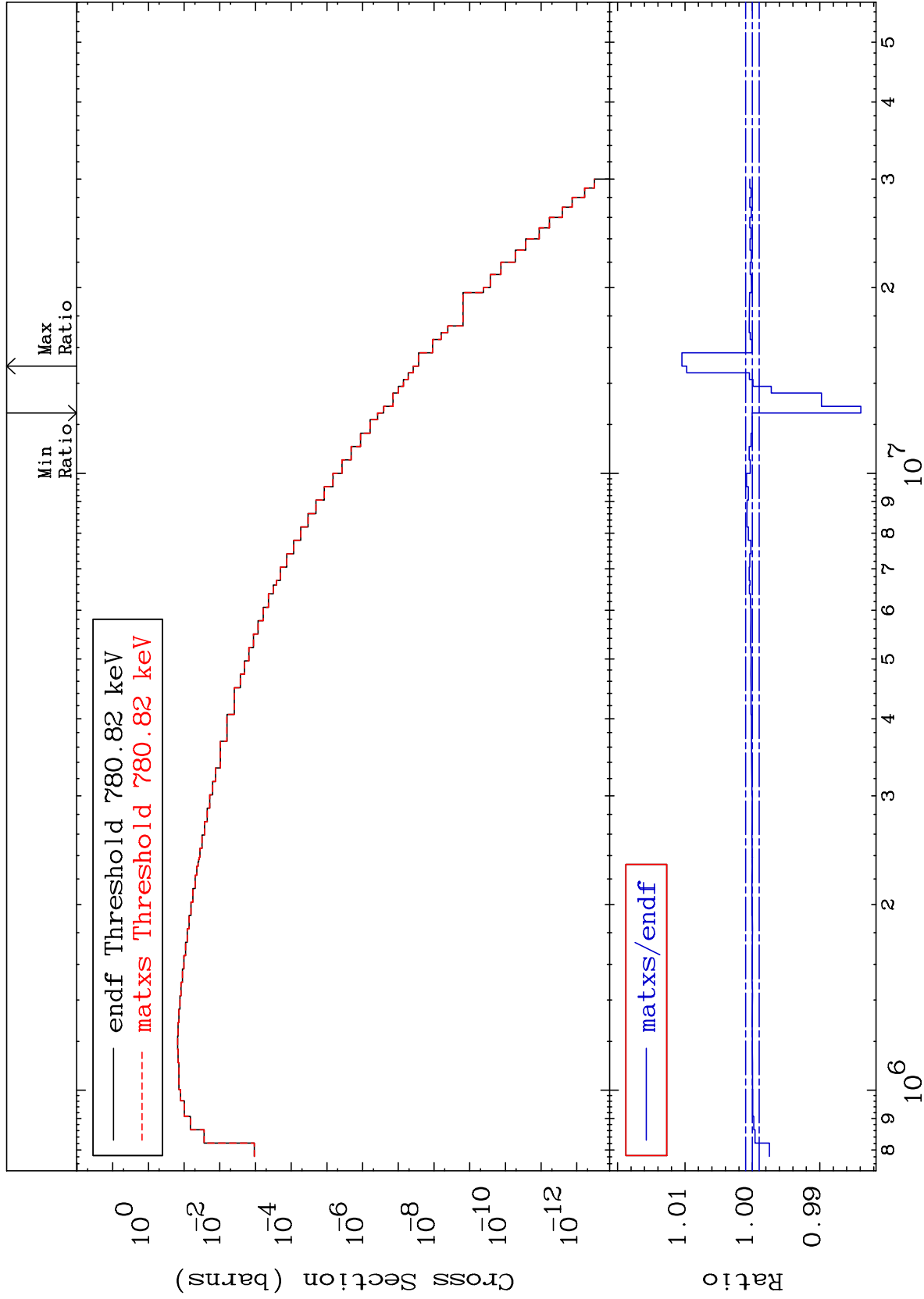
Incident Energy (eV)

45-Rh-103

MAT 4525

803.1 keV (n,n') Level
Cross Section

45-Rh-103
-1.609 To 1.044 %



16

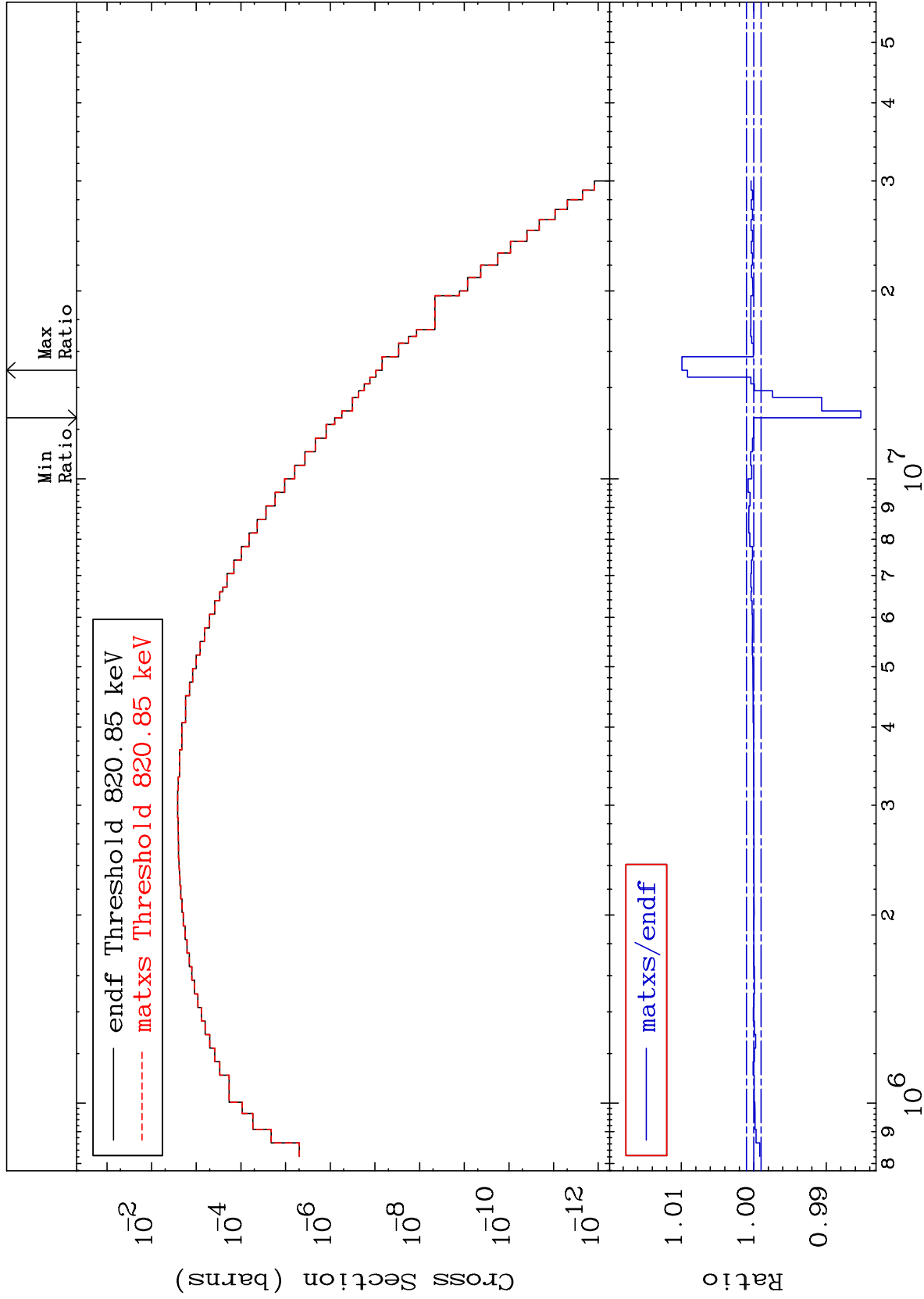
Incident Energy (eV)

45-Rh-103

MAT 4525

821.5 keV (n,n') Level
Cross Section

45-Rh-103
-1.476 To 0.991 %



17

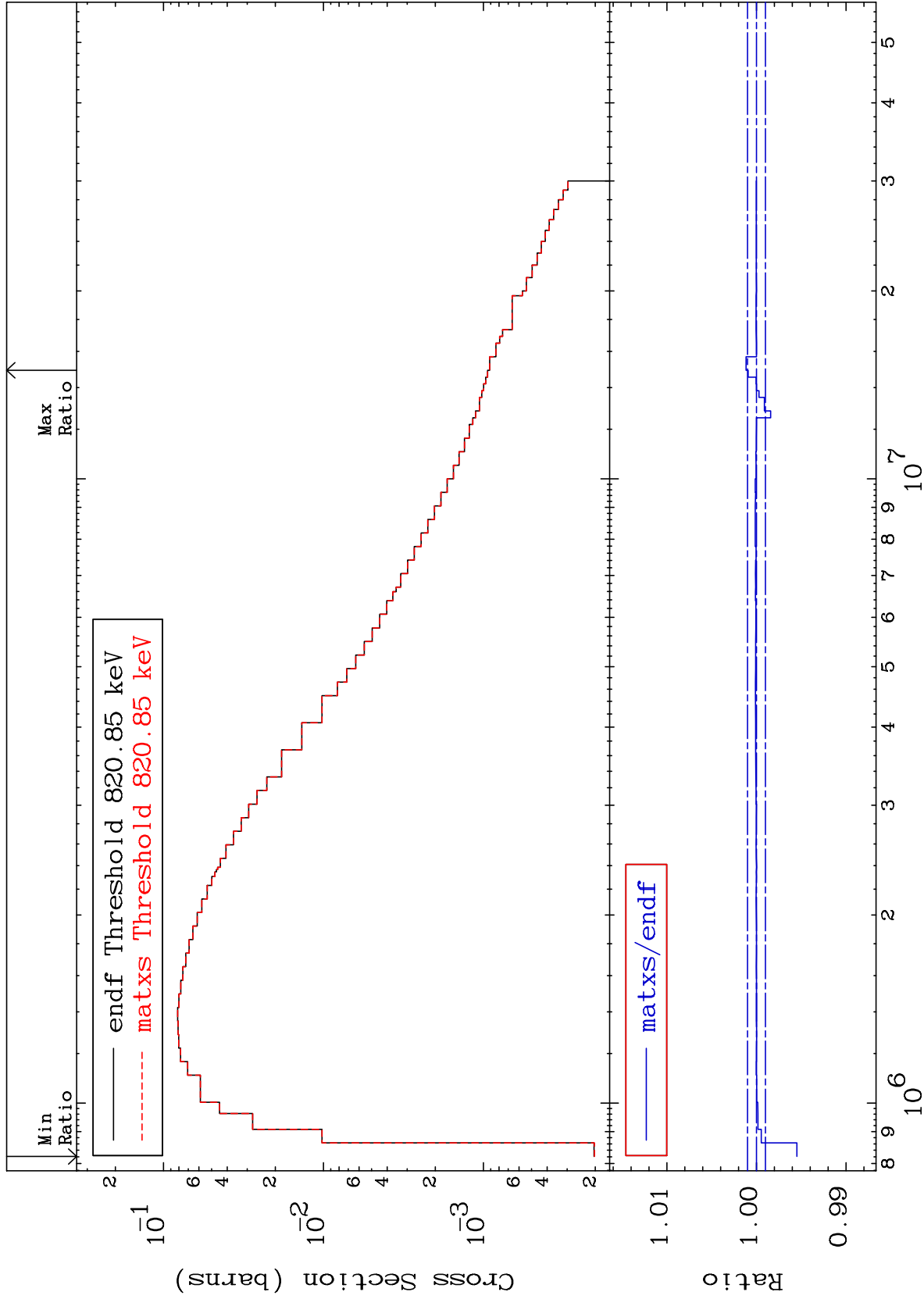
Incident Energy (eV)

45-Rh-103

MAT 4525

847.6 keV (n,n') Level
Cross Section

45-Rh-103
-0.450 To 0.117 %



18

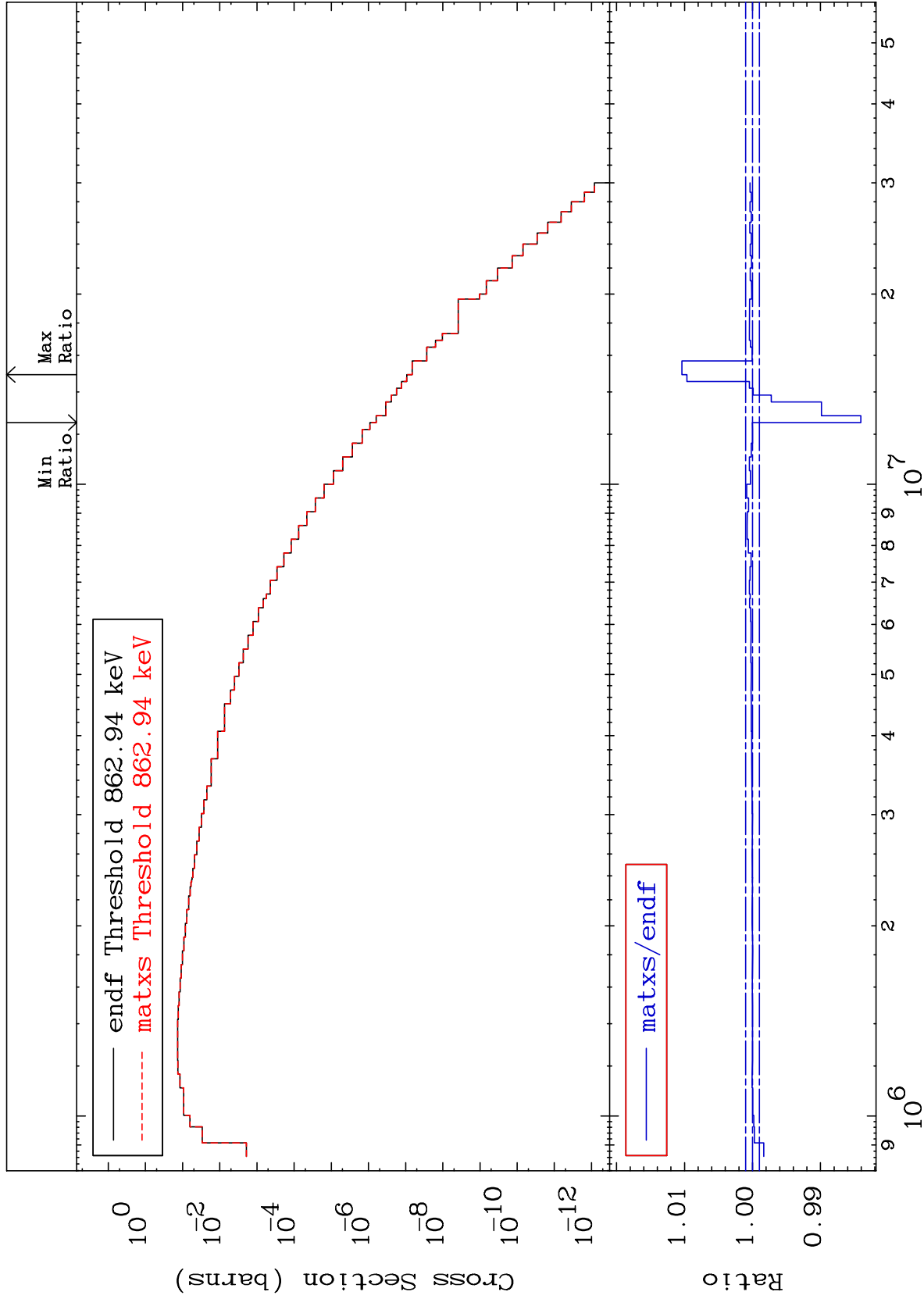
Incident Energy (eV)

45-Rh-103

MAT 4525

880.5 keV (n,n') Level
Cross Section

45-Rh-103
-1.593 To 1.038 %



19

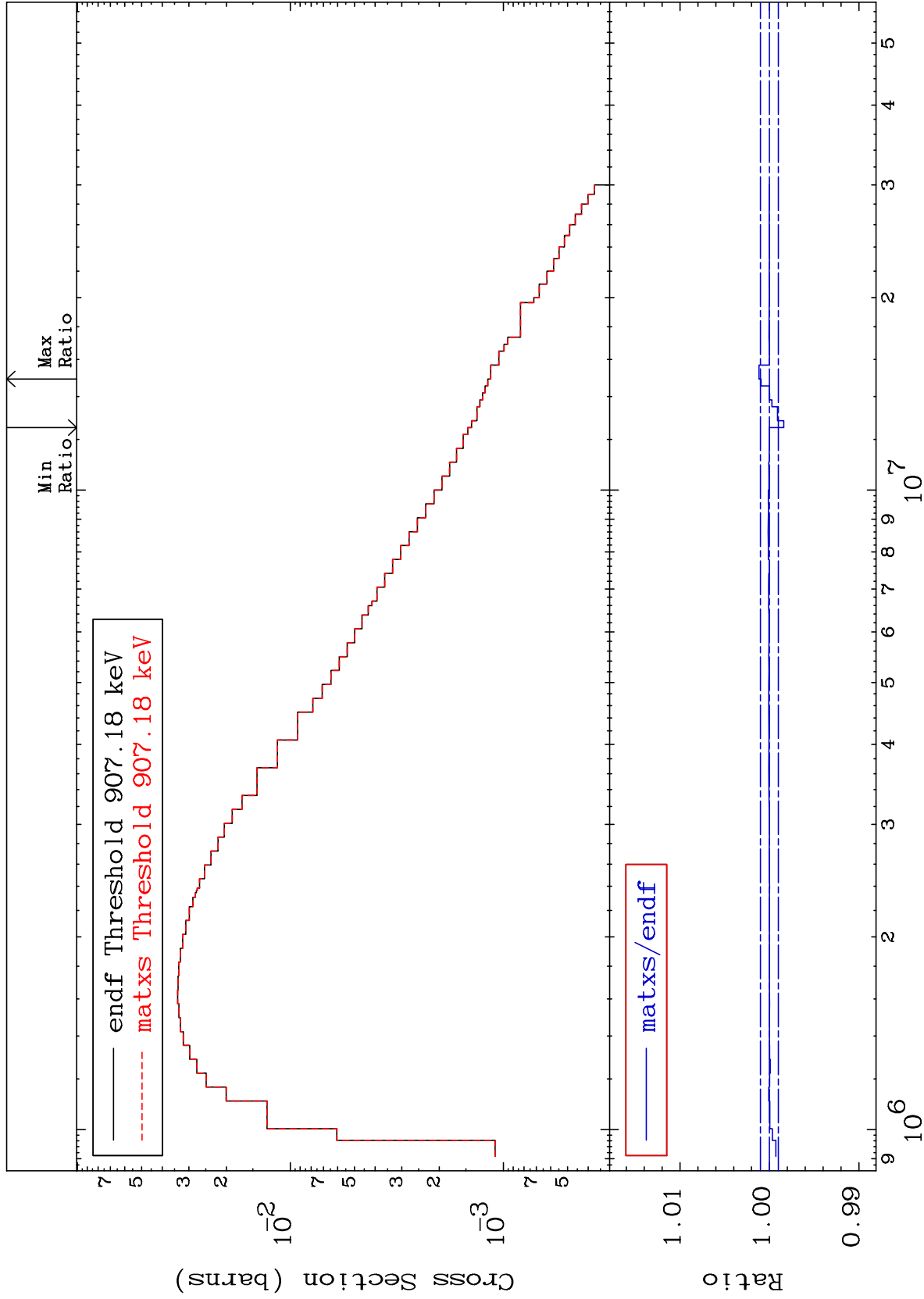
Incident Energy (eV)

45-Rh-103

MAT 4525

920.1 keV (n,n') Level
Cross Section

45-Rh-103
-0.161 To 0.118 %



20

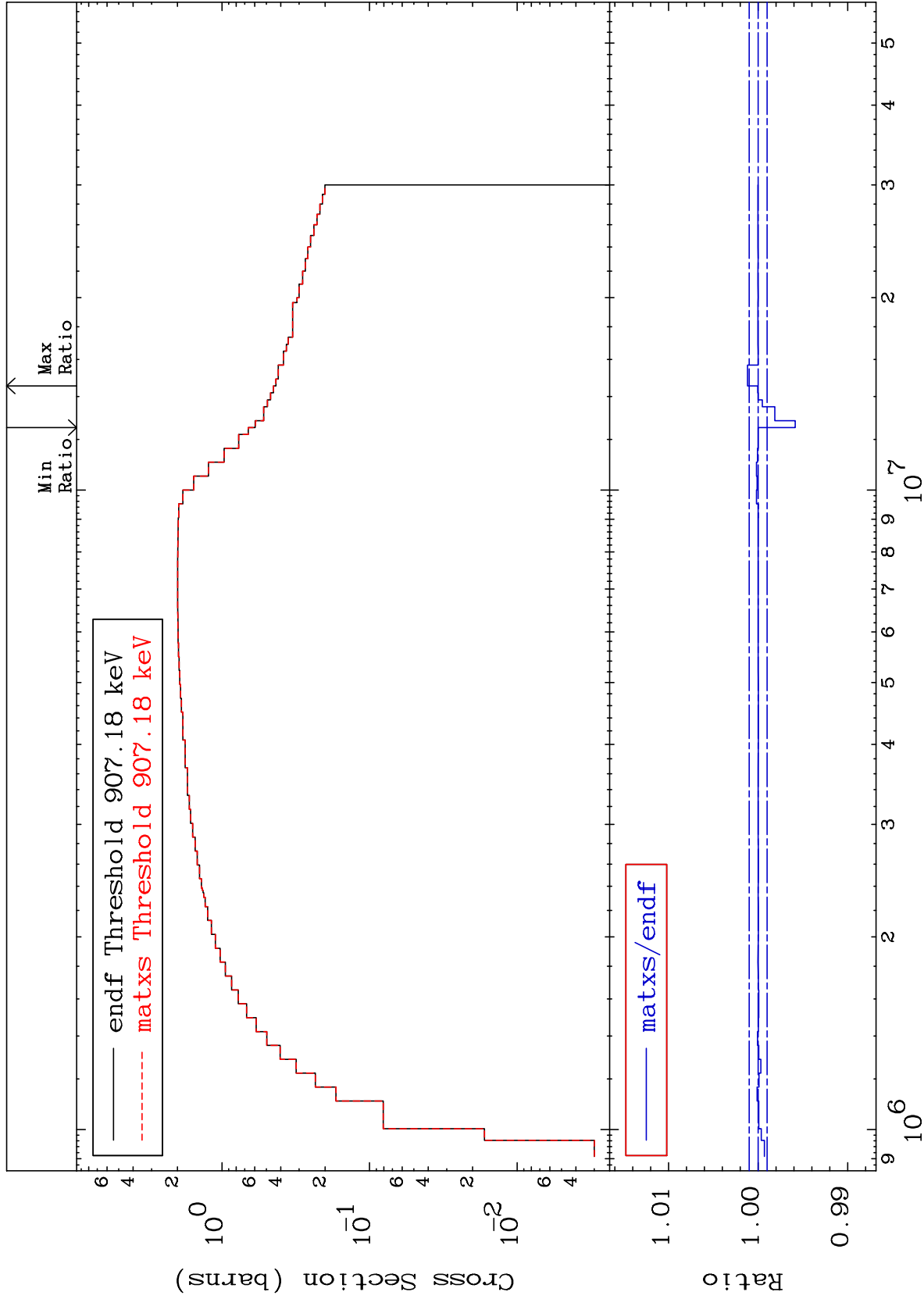
Incident Energy (eV)

45-Rh-103

MAT 4525

(n, n') Continuum
Cross Section

45-Rh-103
-0.415 To 0.119 %



21

45-Rh-103

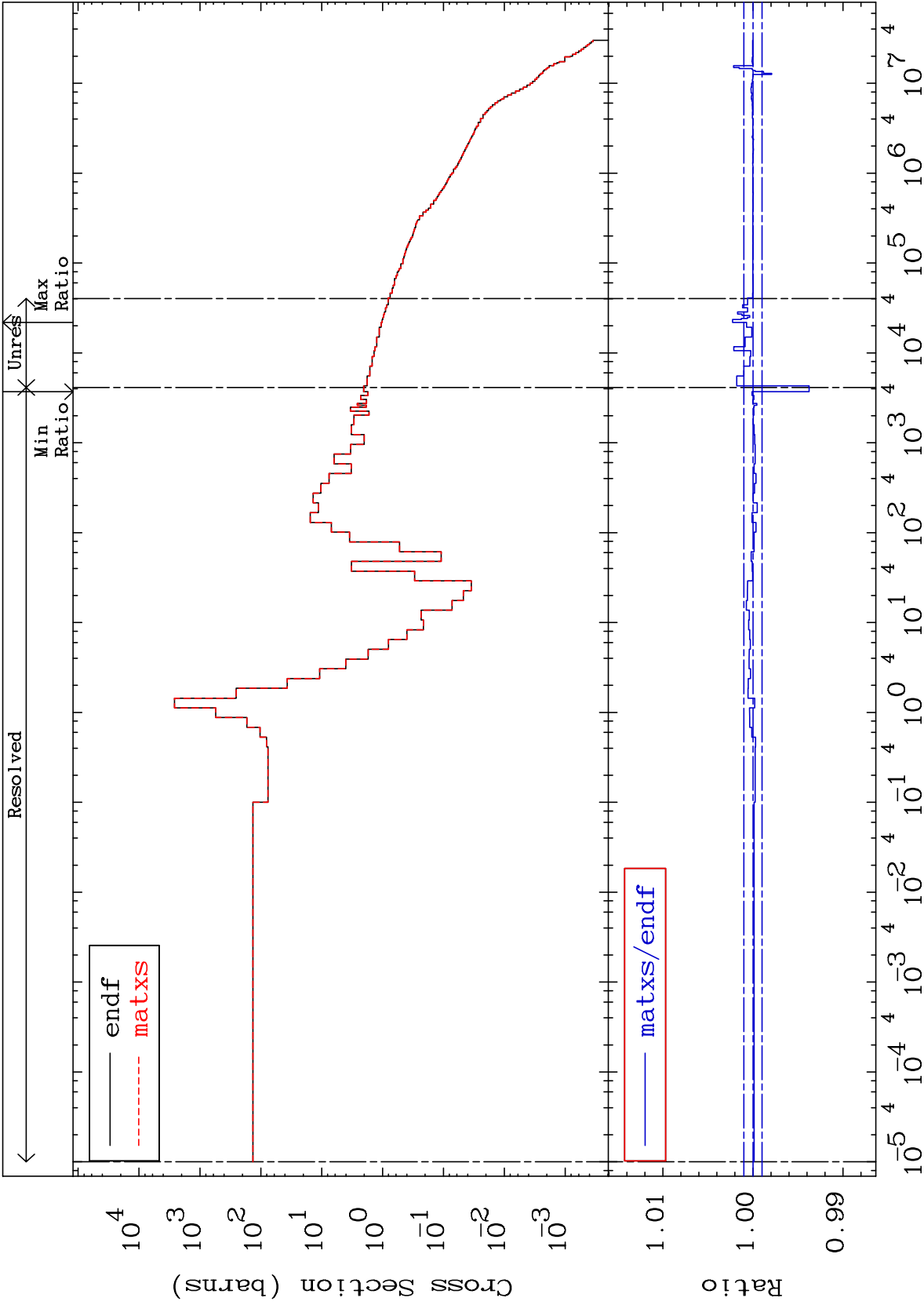
MAT 4525

(n, γ)

45-Rh-103

Cross Section

-0.623 To 0.228 %



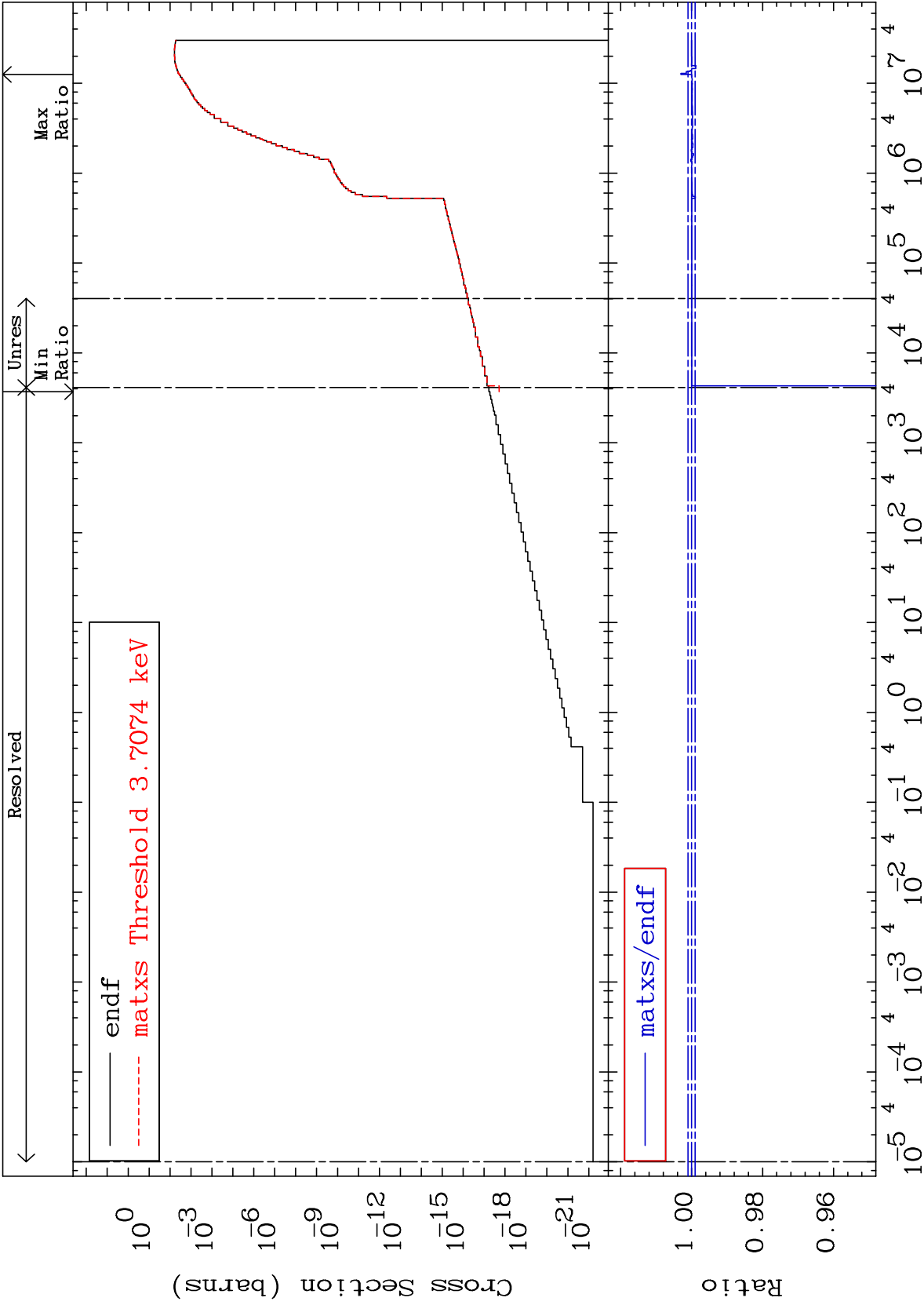
MAT 4525

(n,p)

45-Rh-103

Cross Section

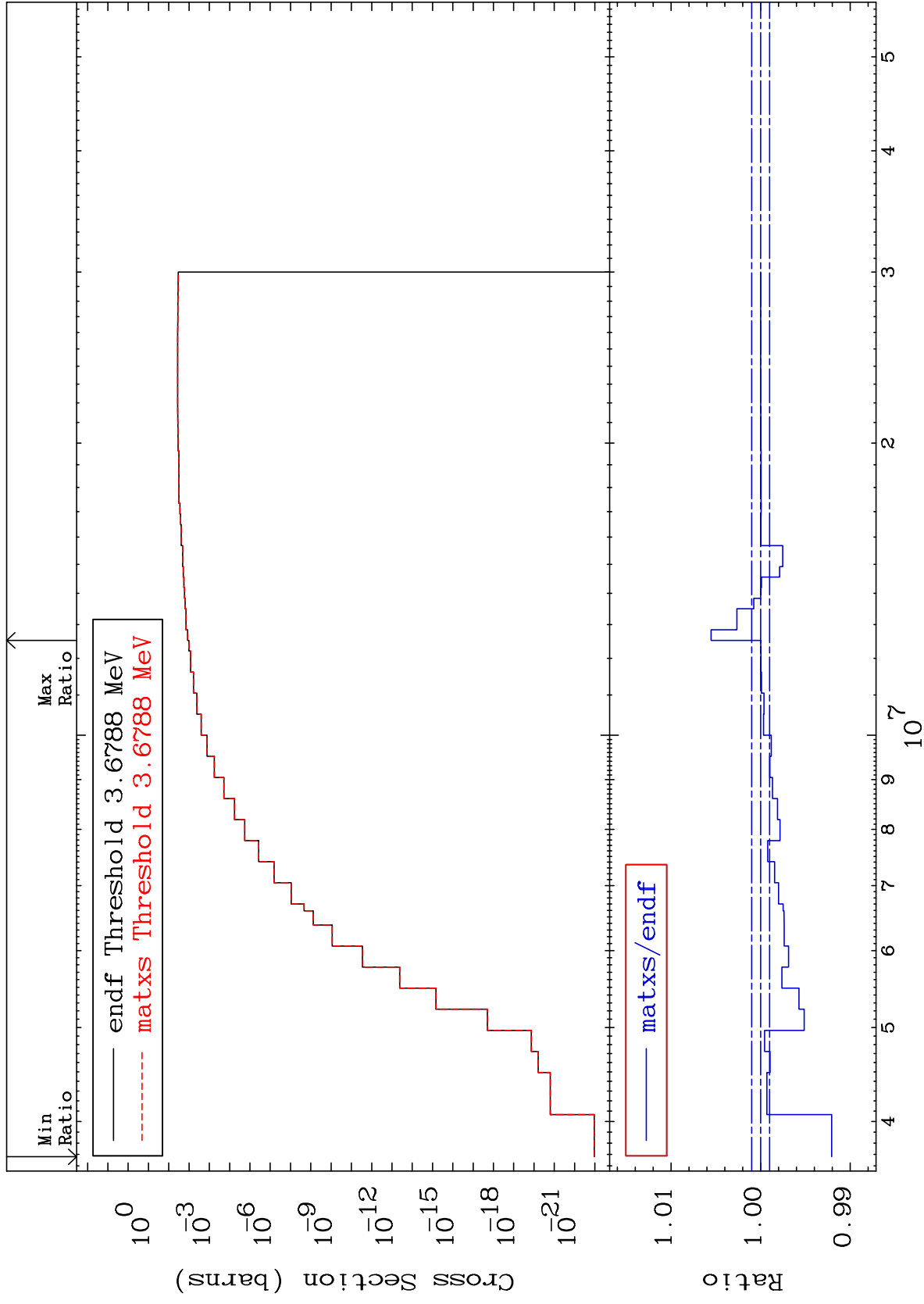
-68.07 To 0.302 %



MAT 4525

45-Rh-103
-0.792 To 0.553 %

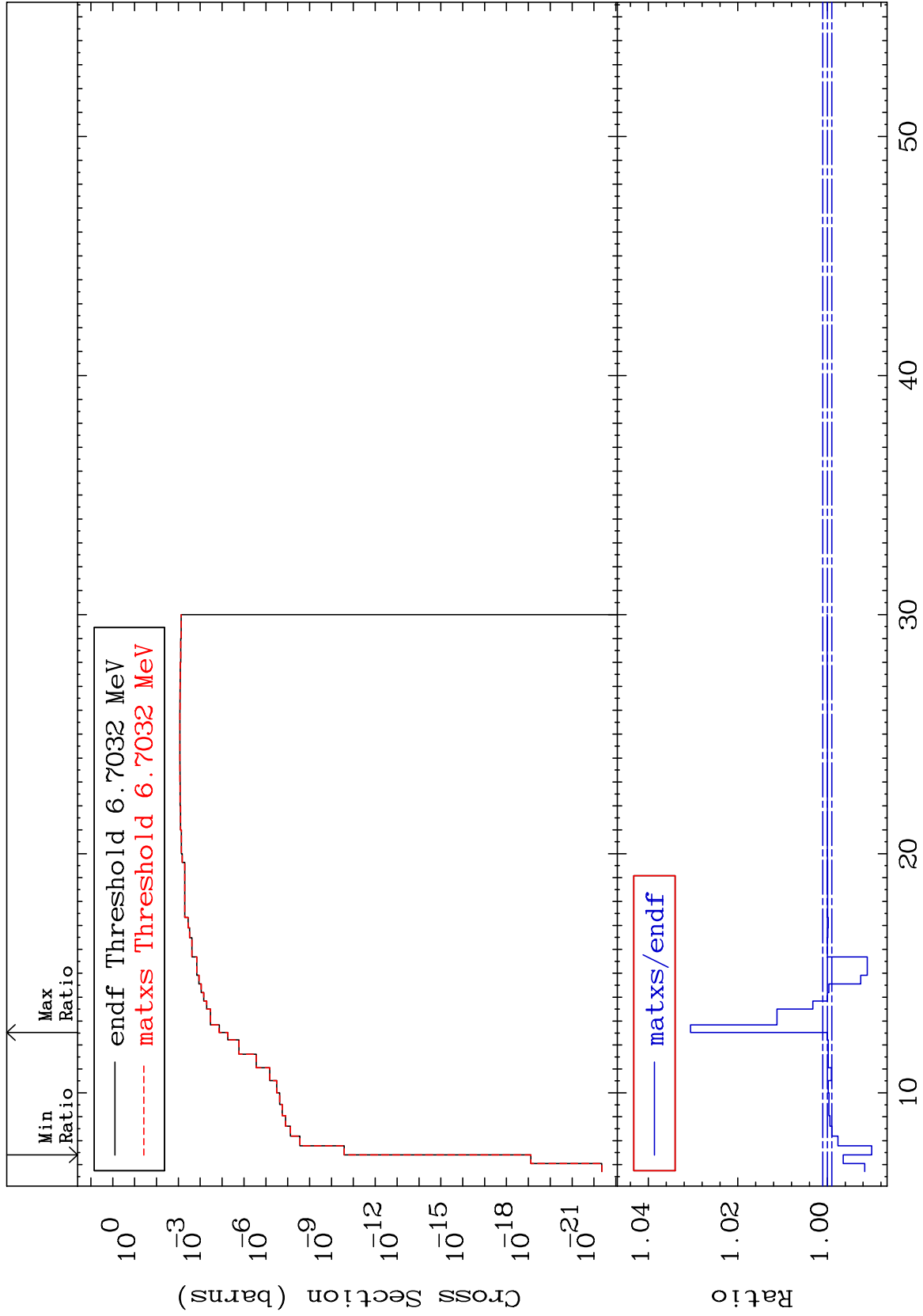
(n, d)
Cross Section



MAT 4525

(n, t)
Cross Section

45-Rh-103
-0.992 To 3.057 %



25

Incident Energy (MeV)

45-Rh-103

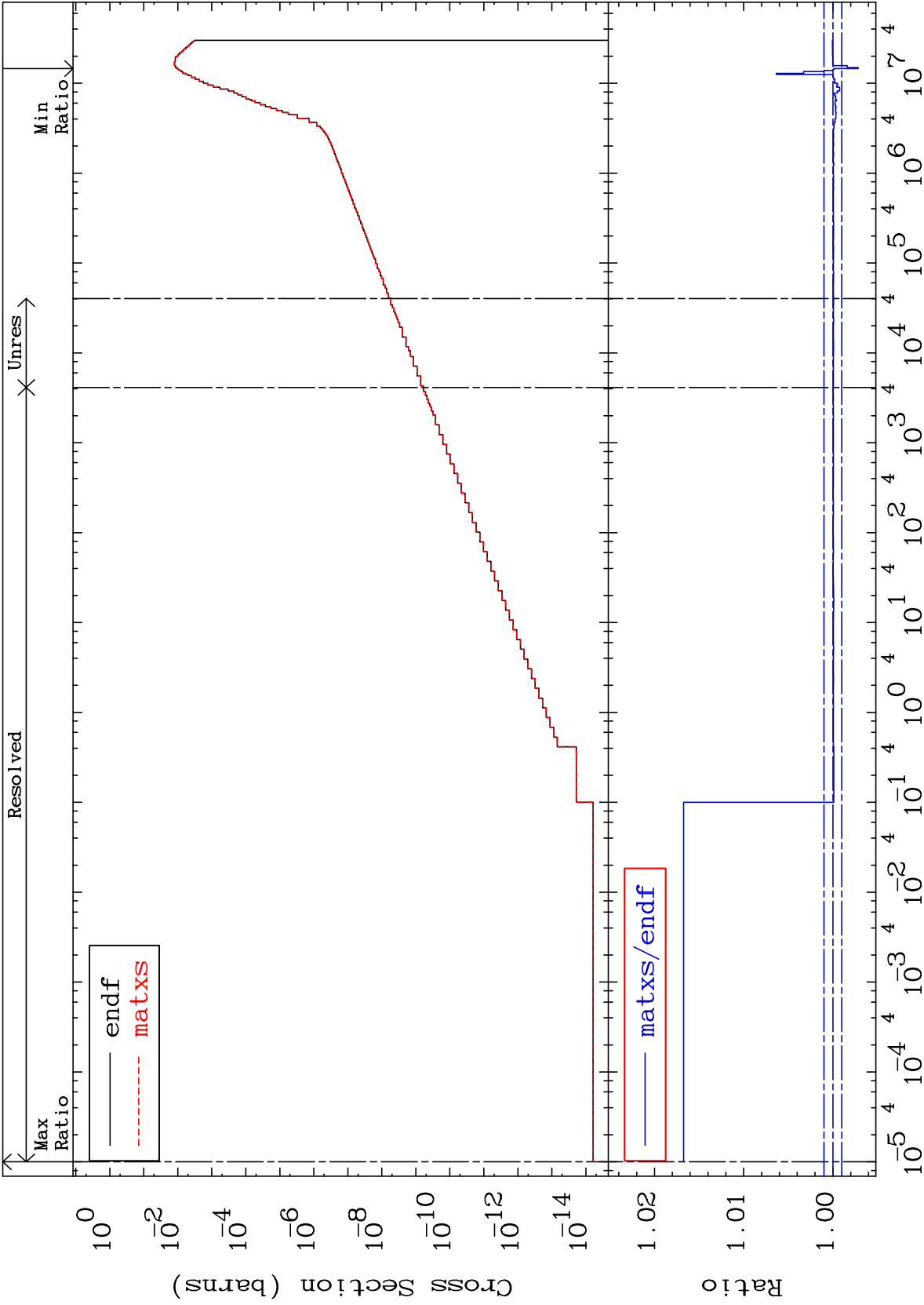
MAT 4525

(n, α)

45-Rh-103

Cross Section

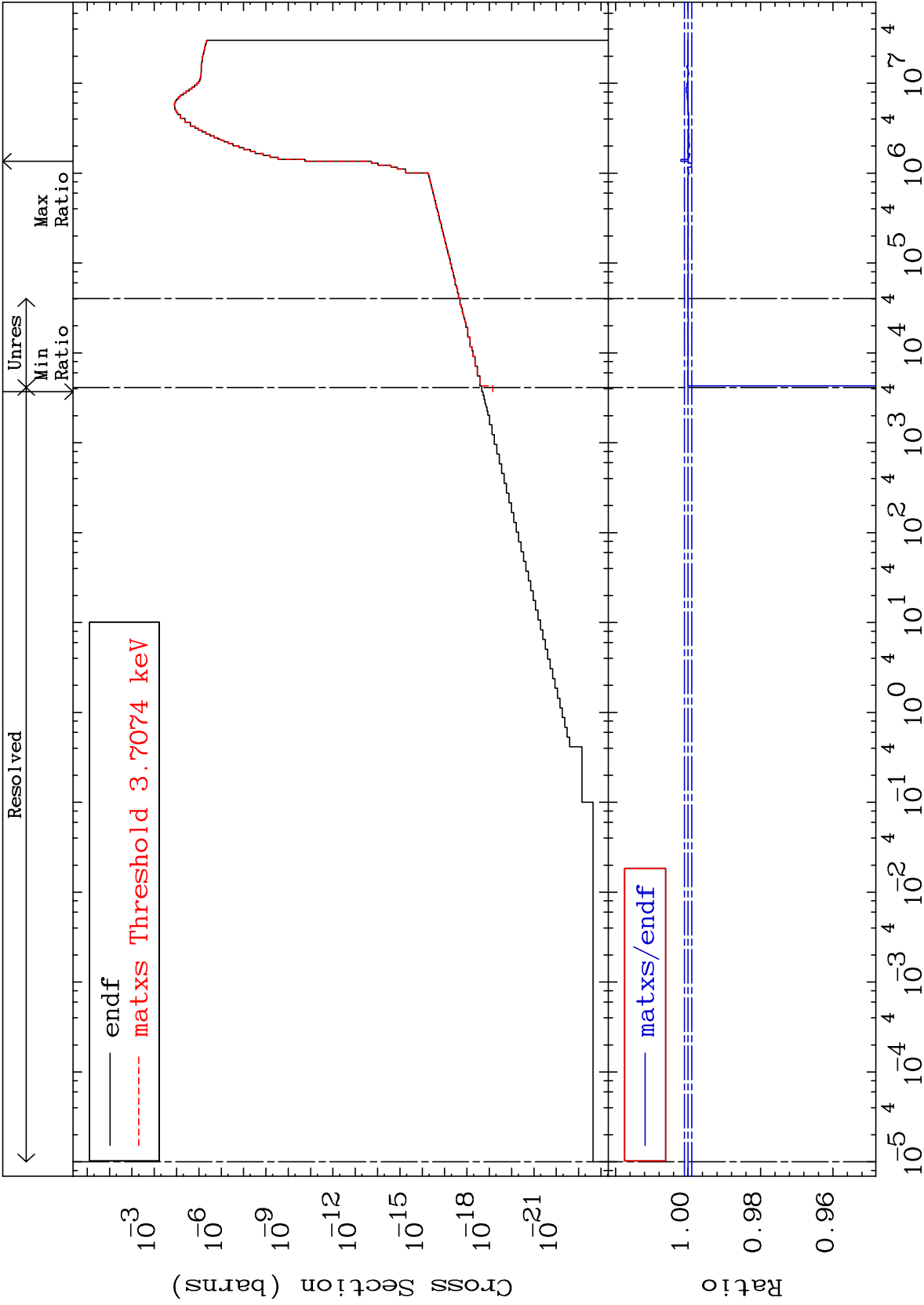
-0.281 To 1.675 %



MAT 4525

(n, p') Ground
Cross Section

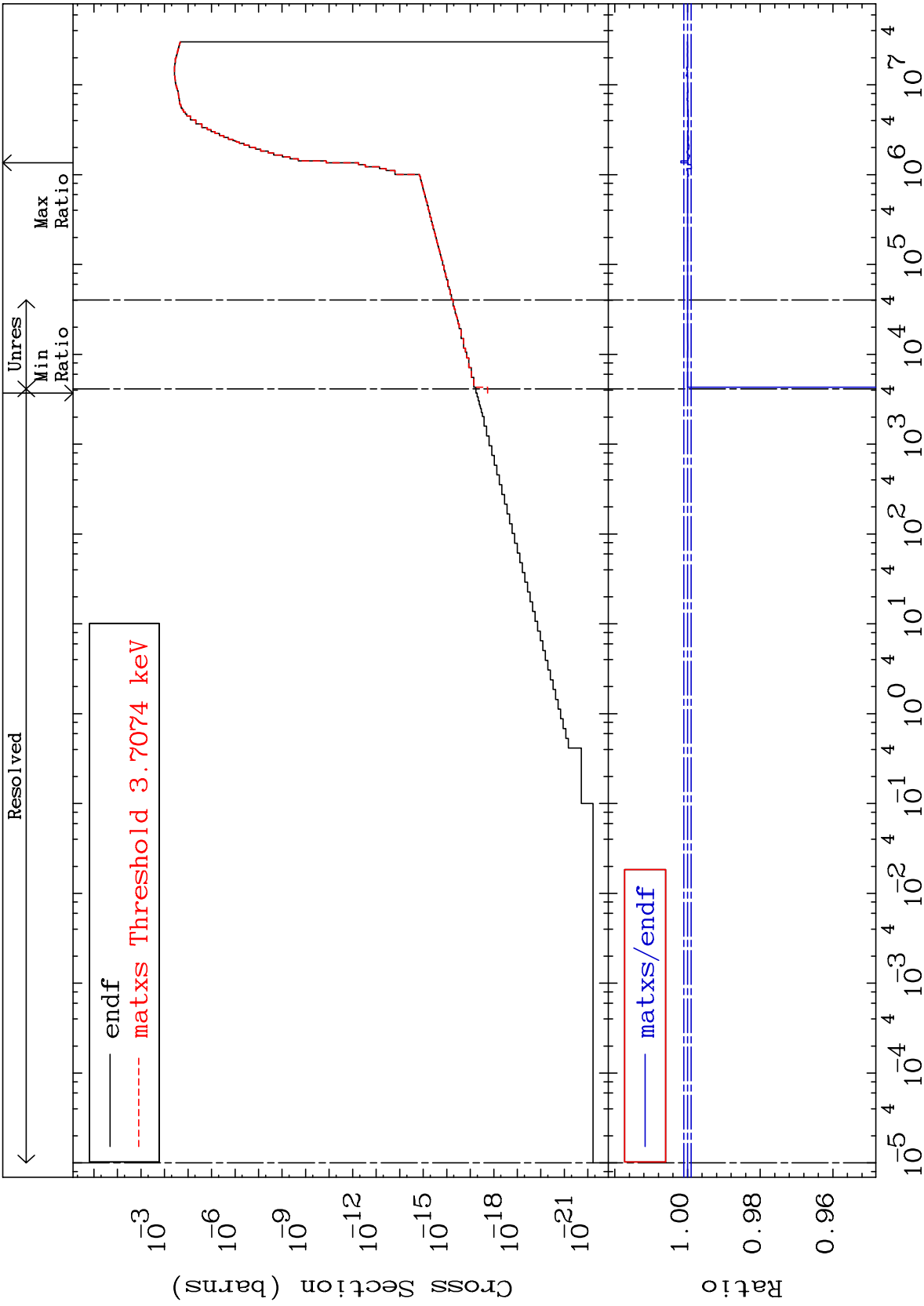
45-Rh-103
-68.07 To 0.196 %



MAT 4525

2.810 keV (n,p') Level
Cross Section

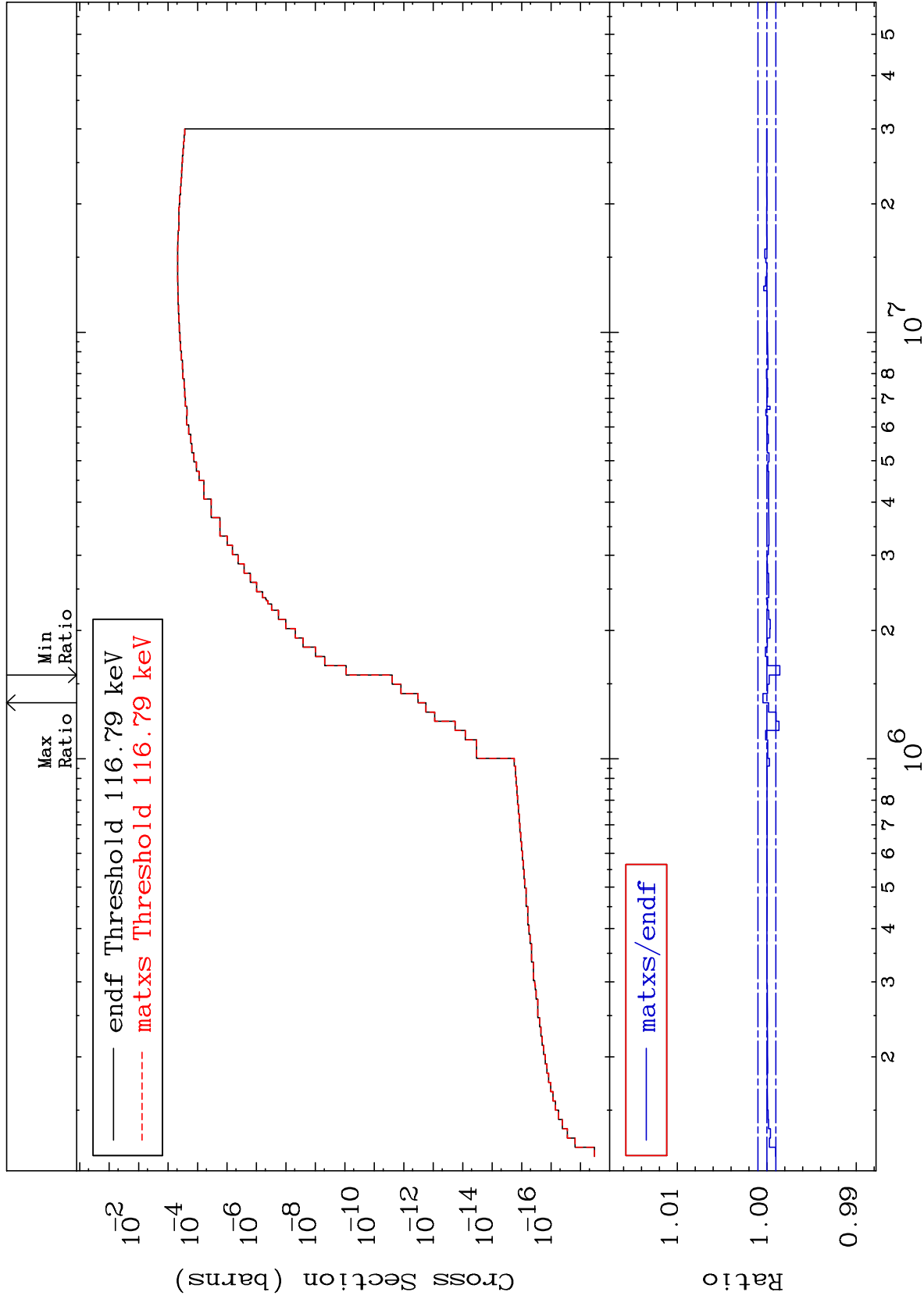
45-Rh-103
-68.07 To 0.182 %



MAT 4525

136.1 keV (n,p') Level
Cross Section

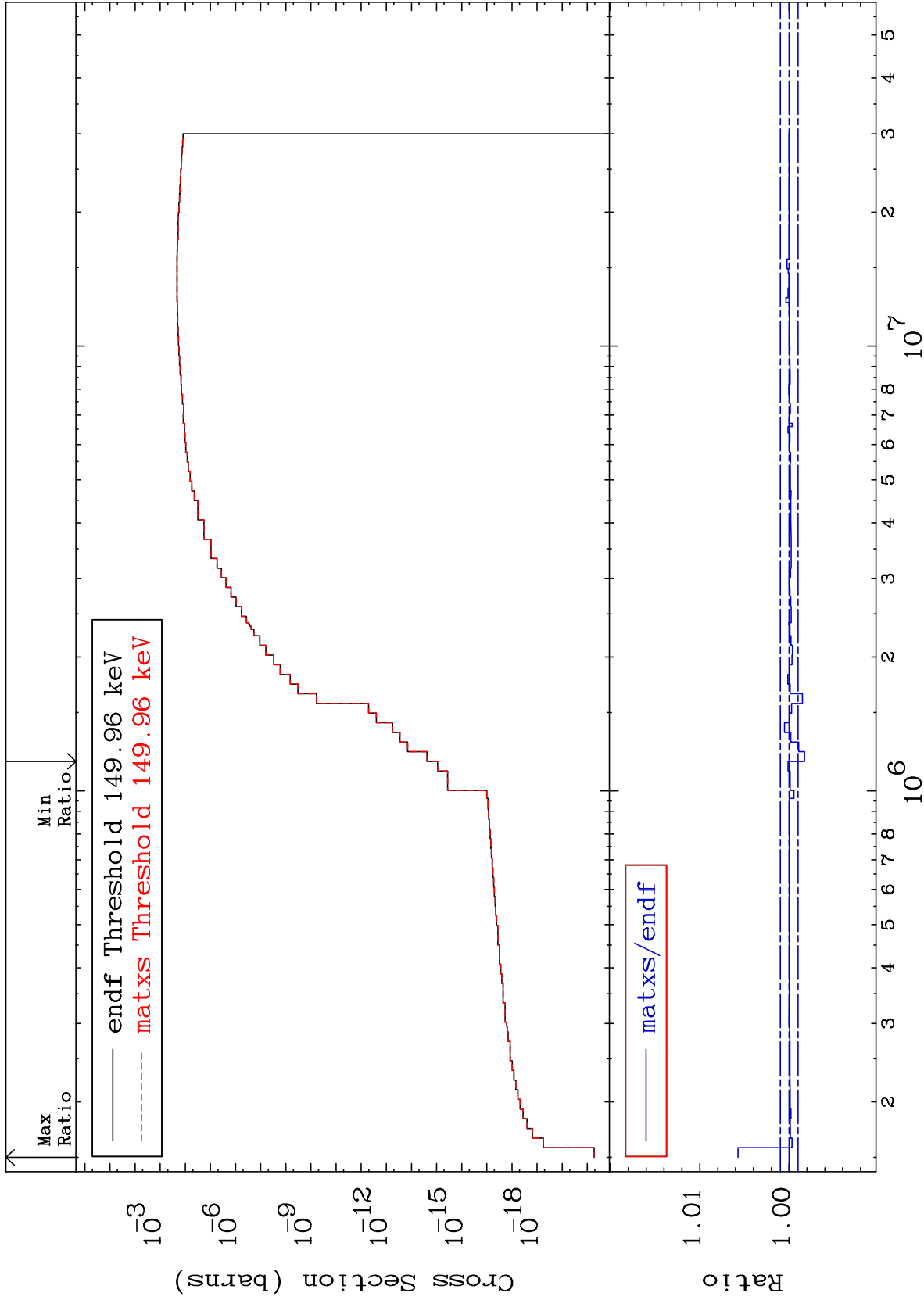
45-Rh-103
-0.146 To 0.044 %



MAT 4525

174.3 keV (n,p') Level
Cross Section

45-Rh-103
-0.172 To 0.572 %



30

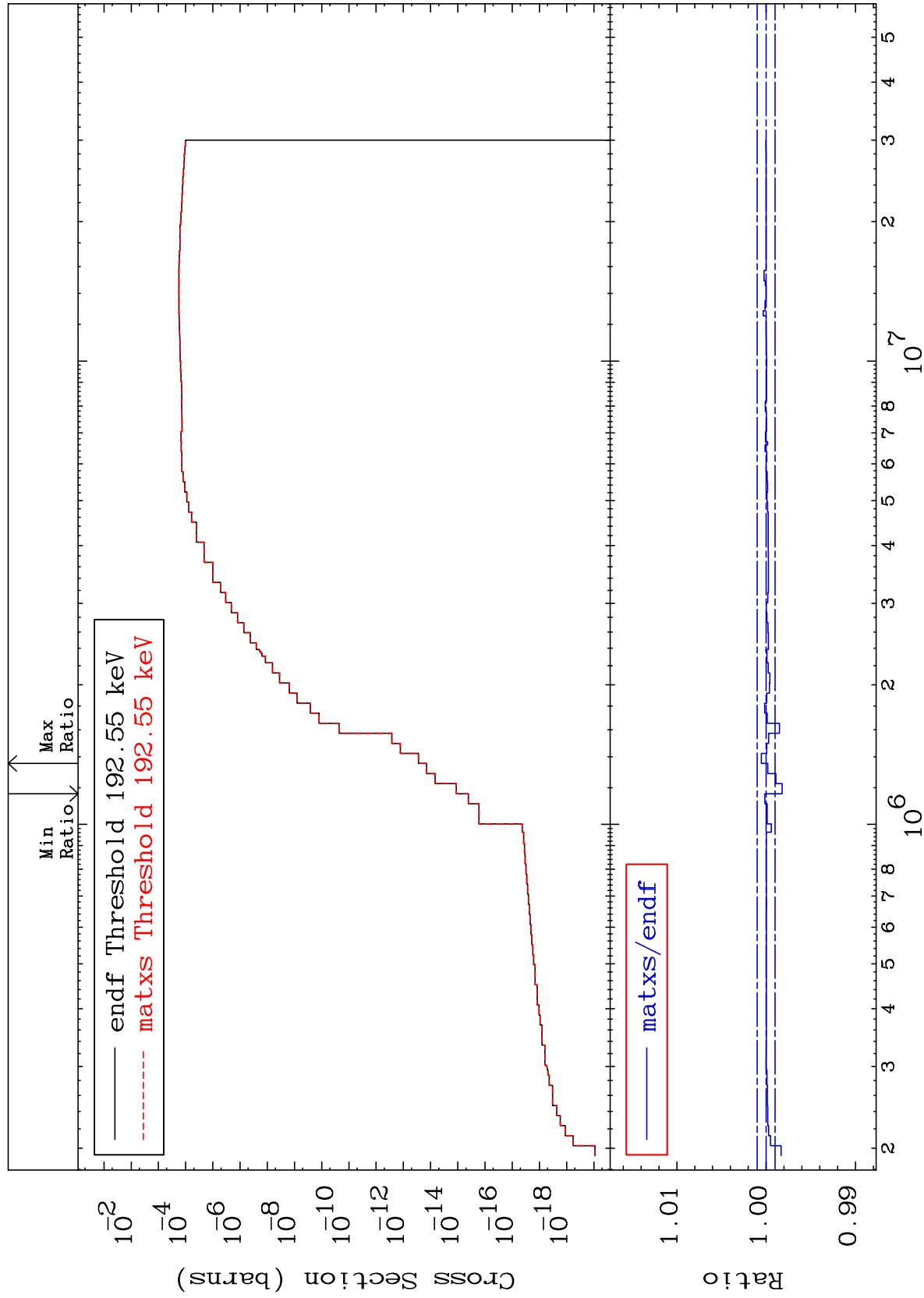
Incident Energy (eV)

45-Rh-103

MAT 4525

213.6 keV (n,p') Level
Cross Section

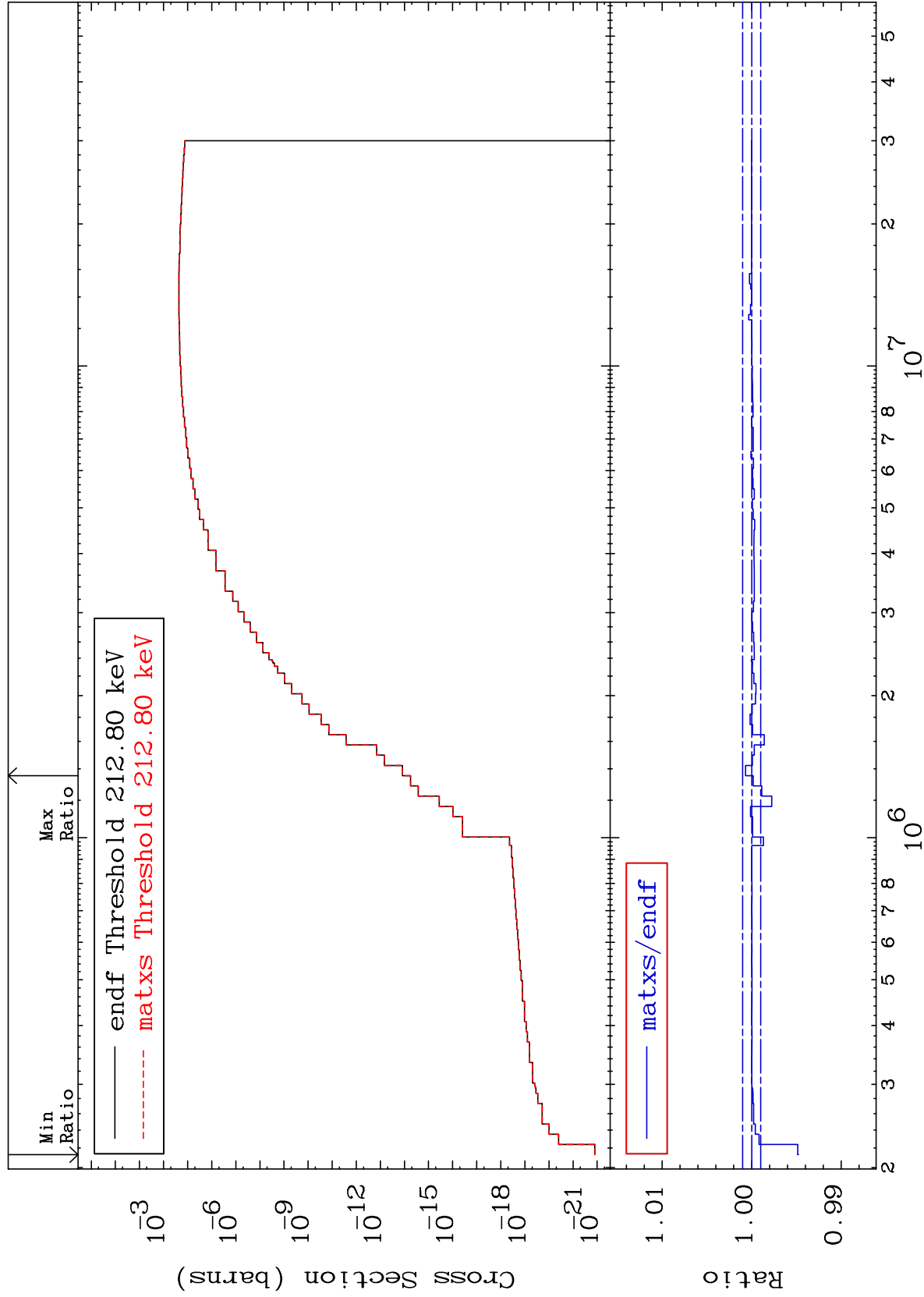
45-Rh-103
-0.178 To 0.055 %



MAT 4525

238.2 keV (n,p') Level
Cross Section

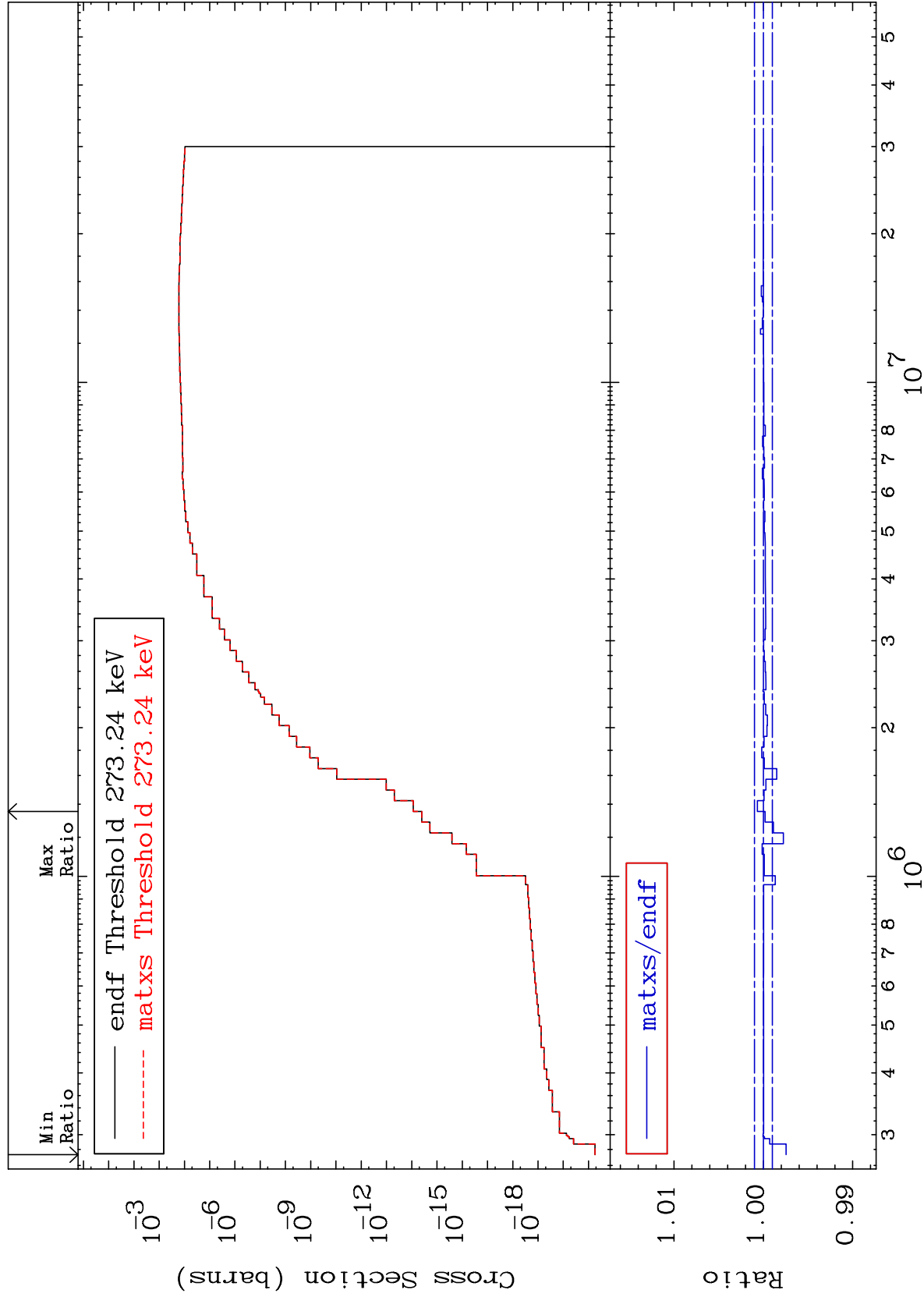
45-Rh-103
-0.514 To 0.068 %



MAT 4525

297.1 keV (n,p') Level
Cross Section

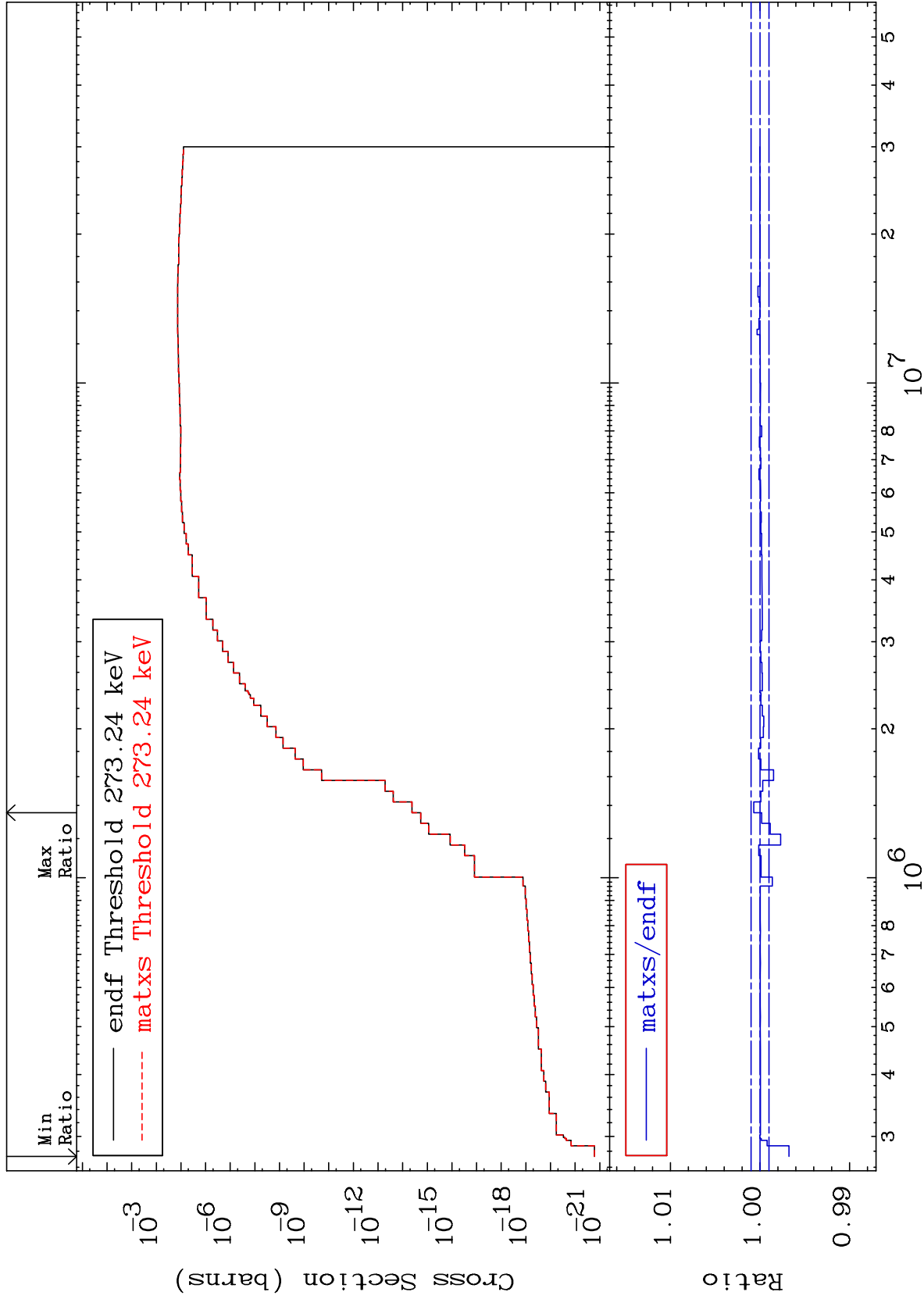
45-Rh-103
-0.253 To 0.068 %



MAT 4525

298.1 keV (n,p') Level
Cross Section

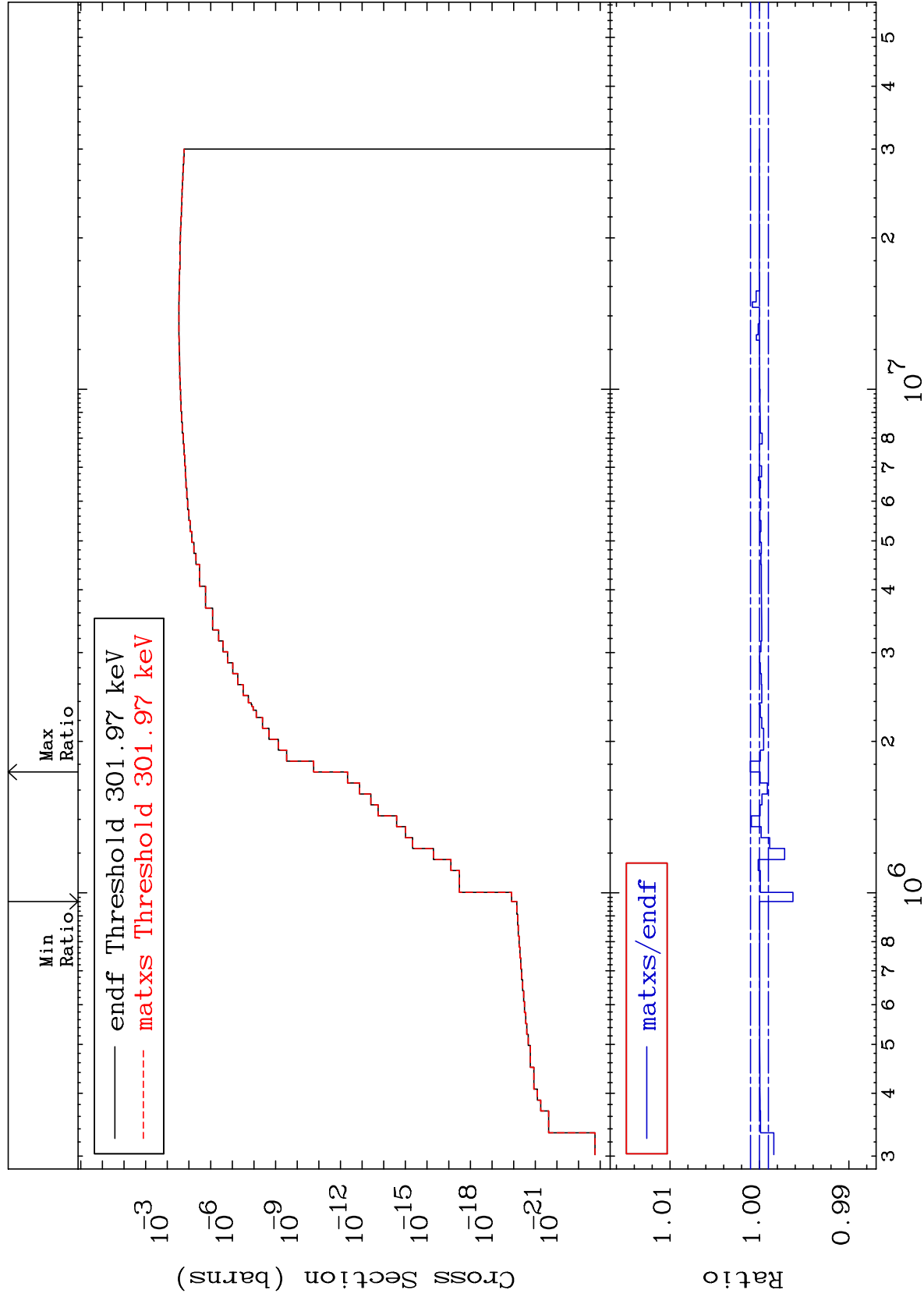
45-Rh-103
-0.324 To 0.071 %



MAT 4525

346.4 keV (n,p') Level
Cross Section

45-Rh-103
-0.376 To 0.102 %



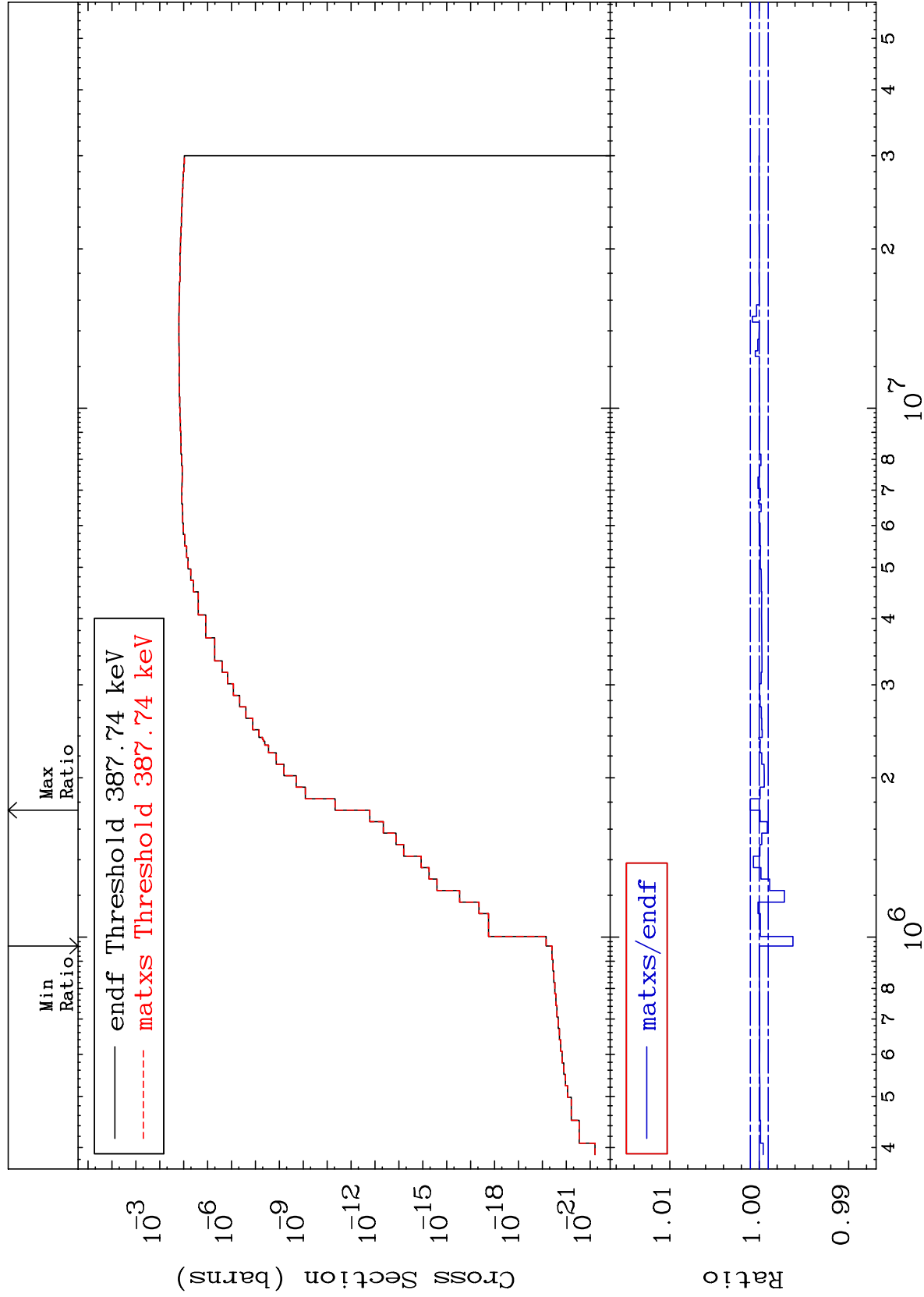
35

45-Rh-103

MAT 4525

404.2 keV (n,p') Level
Cross Section

45-Rh-103
-0.377 To 0.100 %



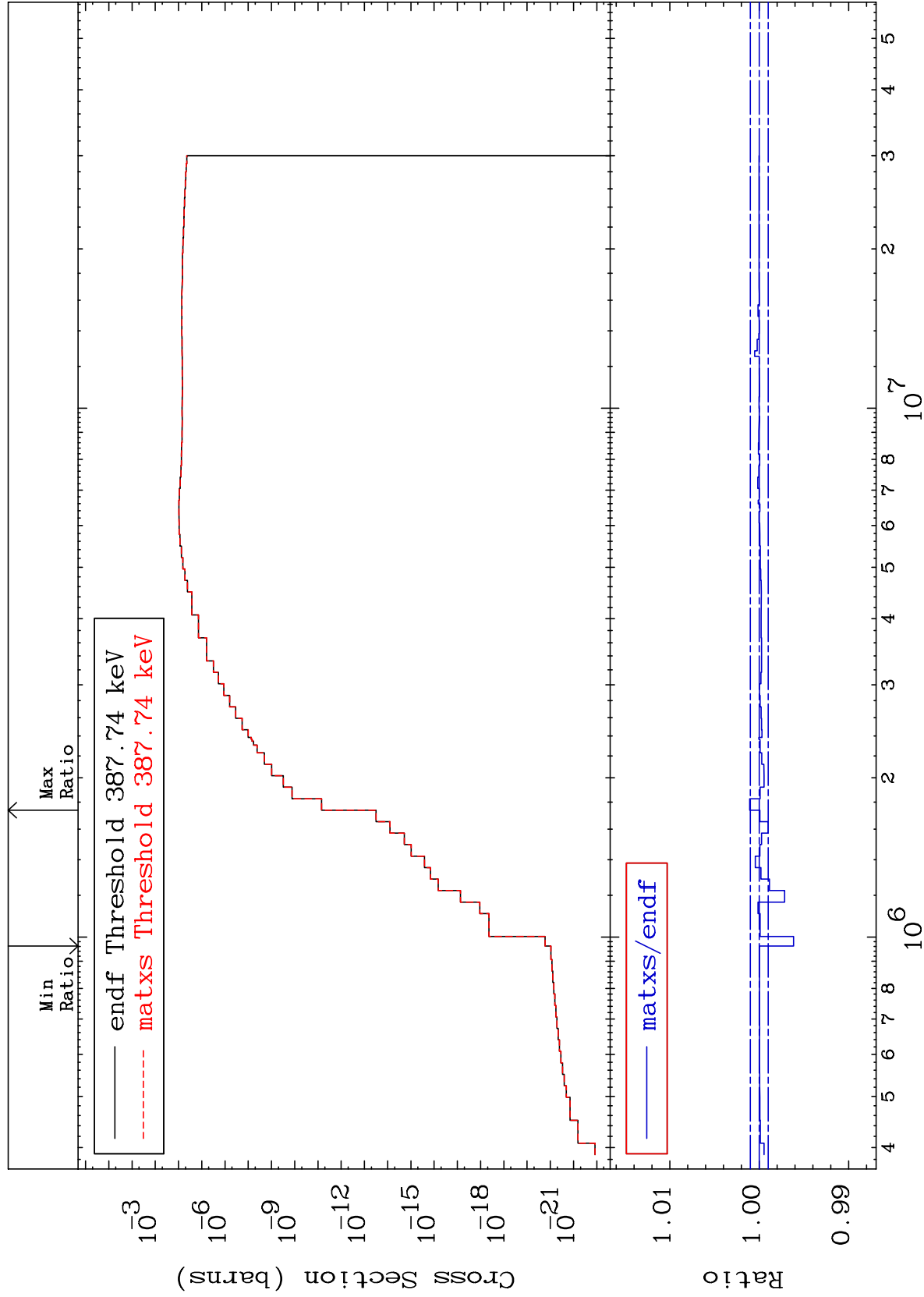
36

45-Rh-103

MAT 4525

406.1 keV (n,p') Level
Cross Section

45-Rh-103
-0.385 To 0.106 %



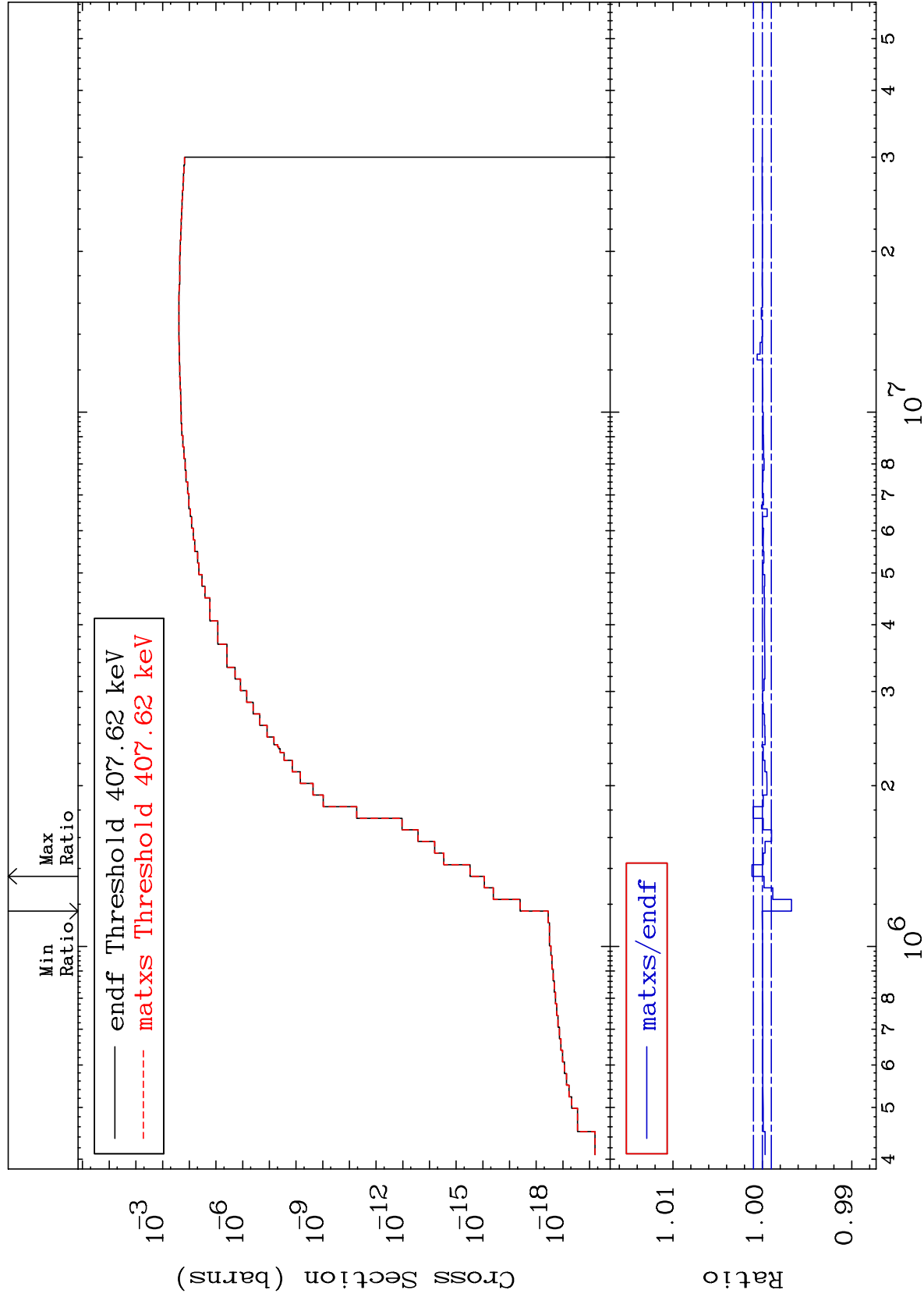
37

45-Rh-103

MAT 4525

432.1 keV (n,p') Level
Cross Section

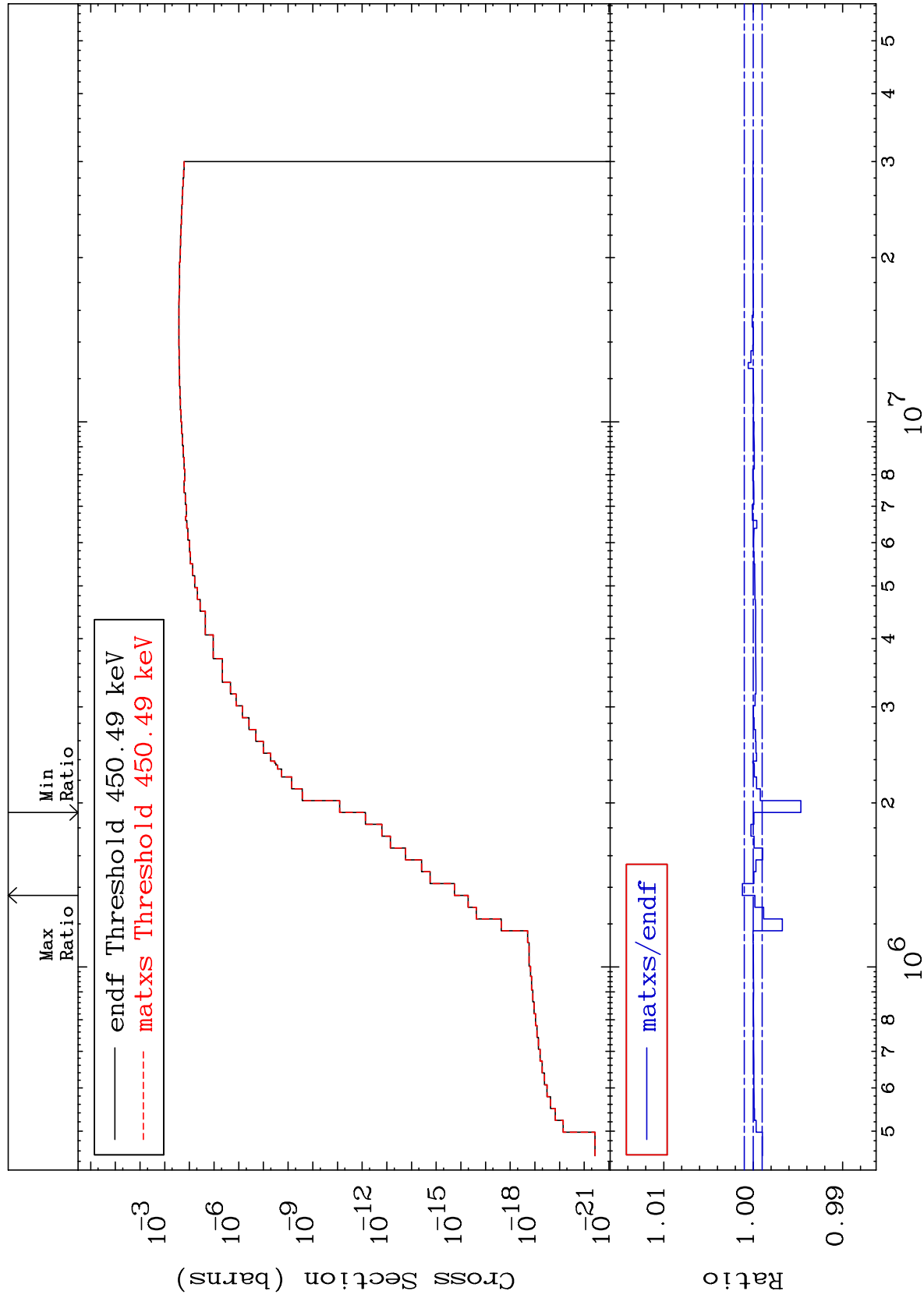
45-Rh-103
-0.325 To 0.117 %



MAT 4525

501.2 keV (n,p') Level
Cross Section

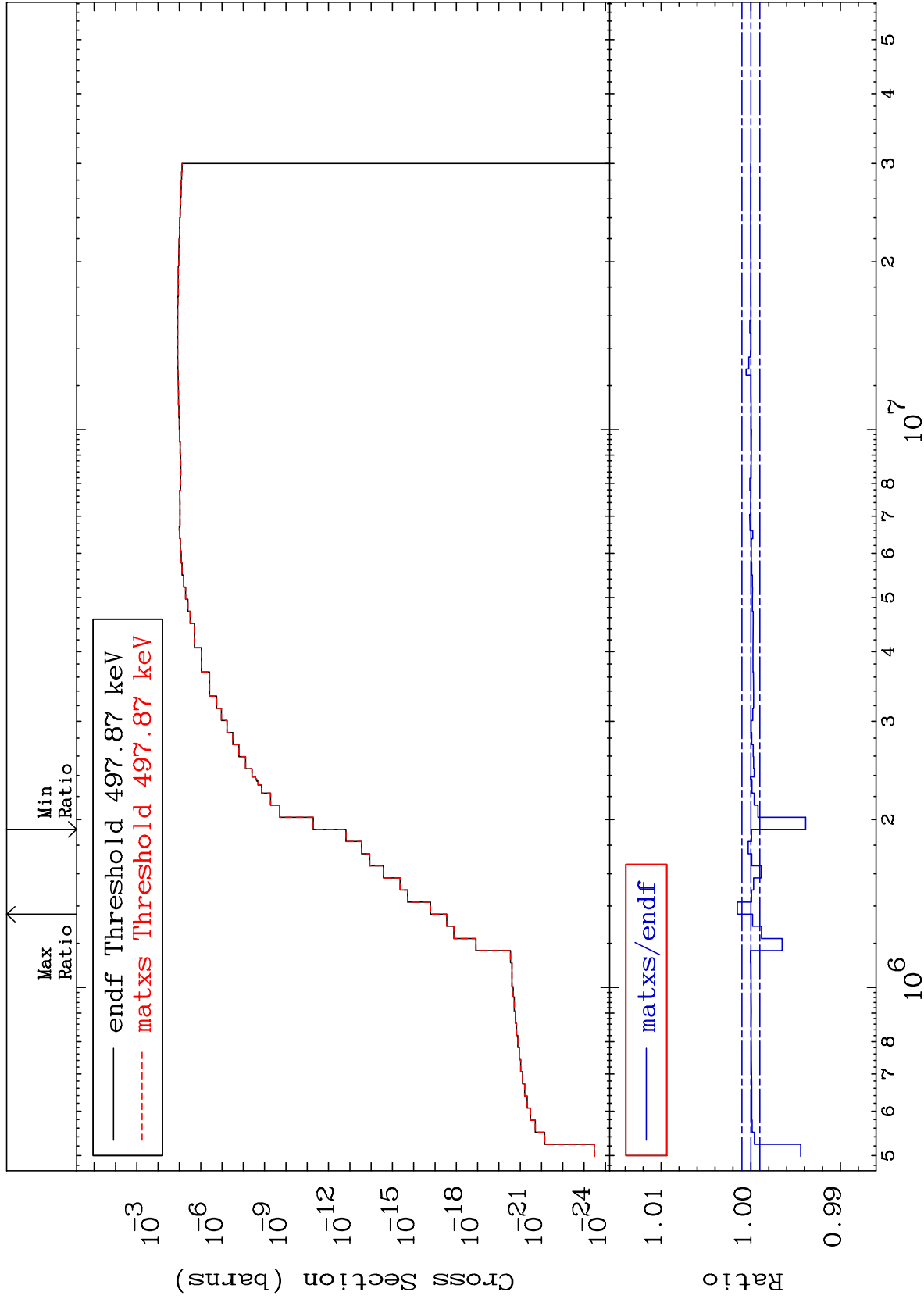
45-Rh-103
-0.534 To 0.121 %



MAT 4525

535.4 keV (n,p') Level
Cross Section

45-Rh-103
-0.611 To 0.151 %



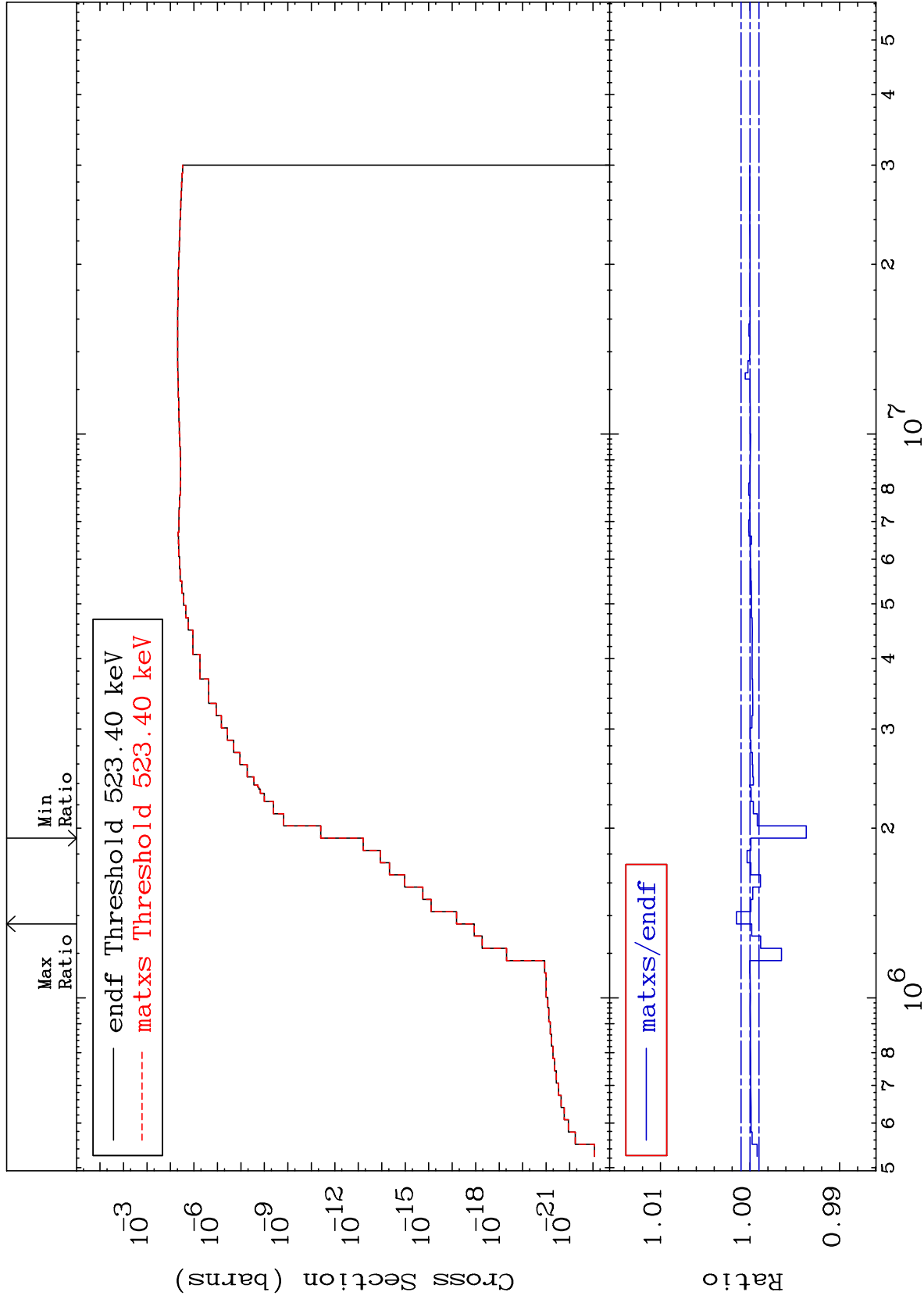
40

45-Rh-103

MAT 4525

548.2 keV (n,p') Level
Cross Section

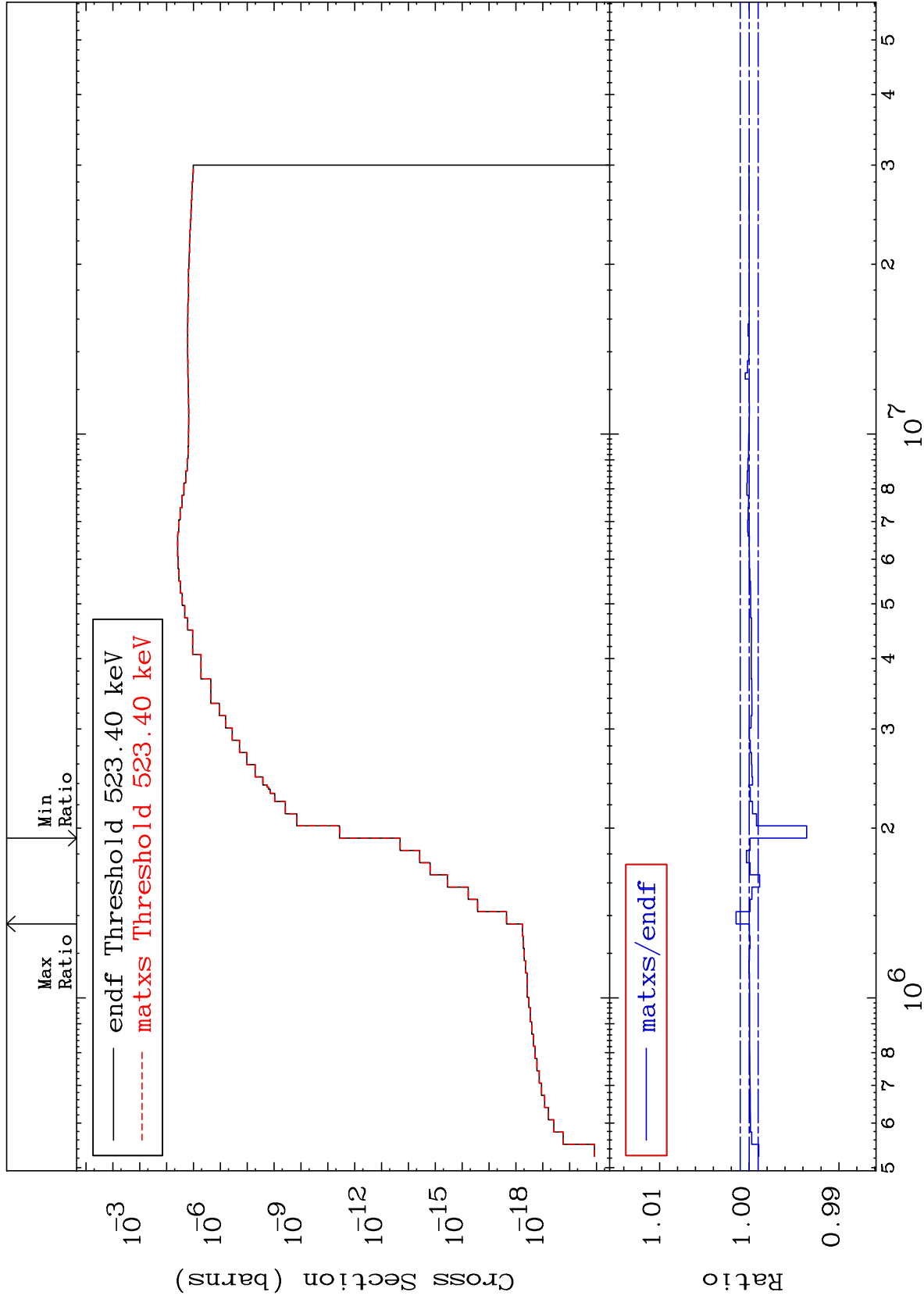
45-Rh-103
-0.628 To 0.152 %



MAT 4525

554.6 keV (n,p') Level
Cross Section

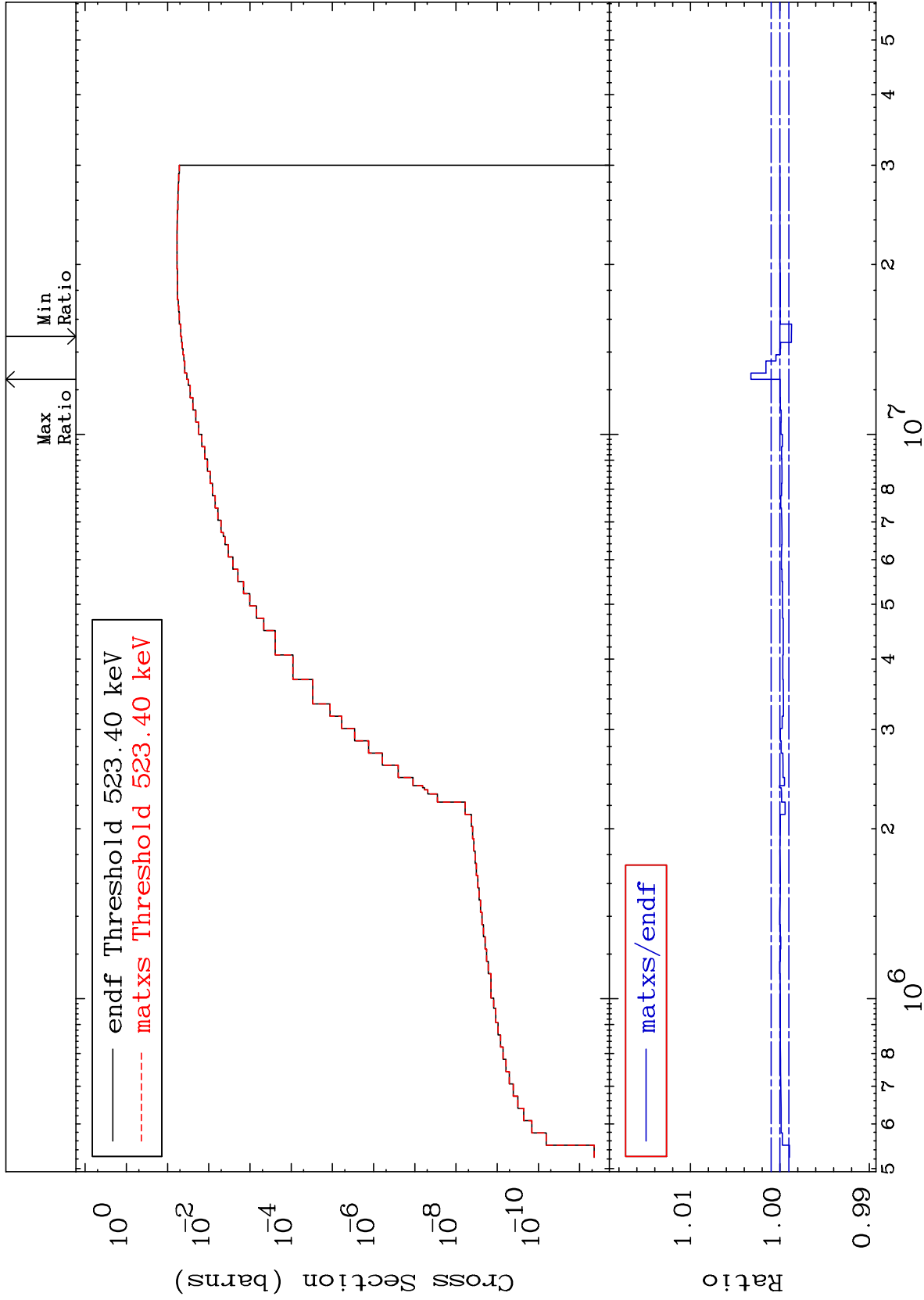
45-Rh-103
-0.641 To 0.147 %



MAT 4525

554.6 keV (n,p') Level
Cross Section

45-Rh-103
-0.129 To 0.324 %



43

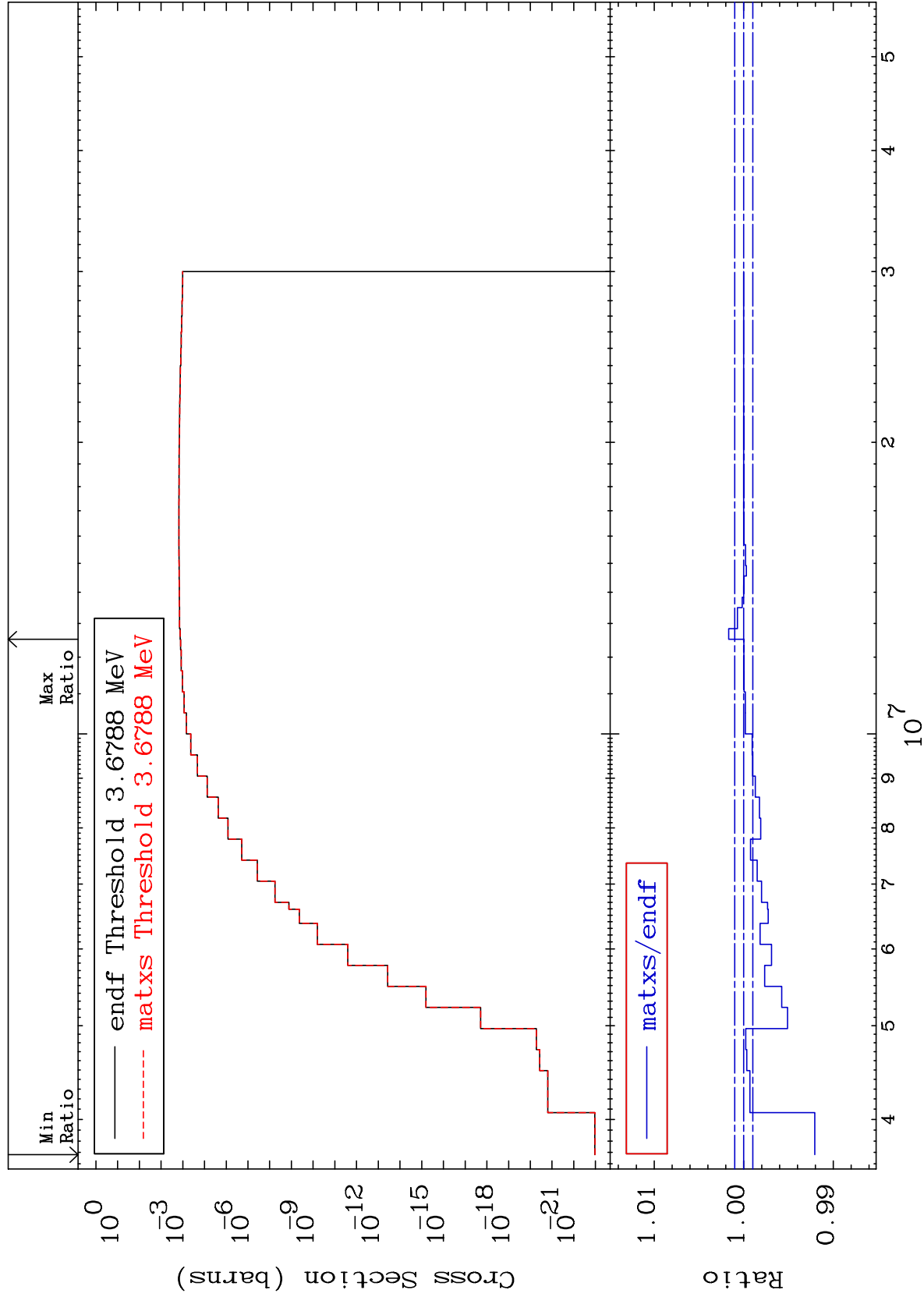
Incident Energy (eV)

45-Rh-103

MAT 4525

(n, d') Ground
Cross Section

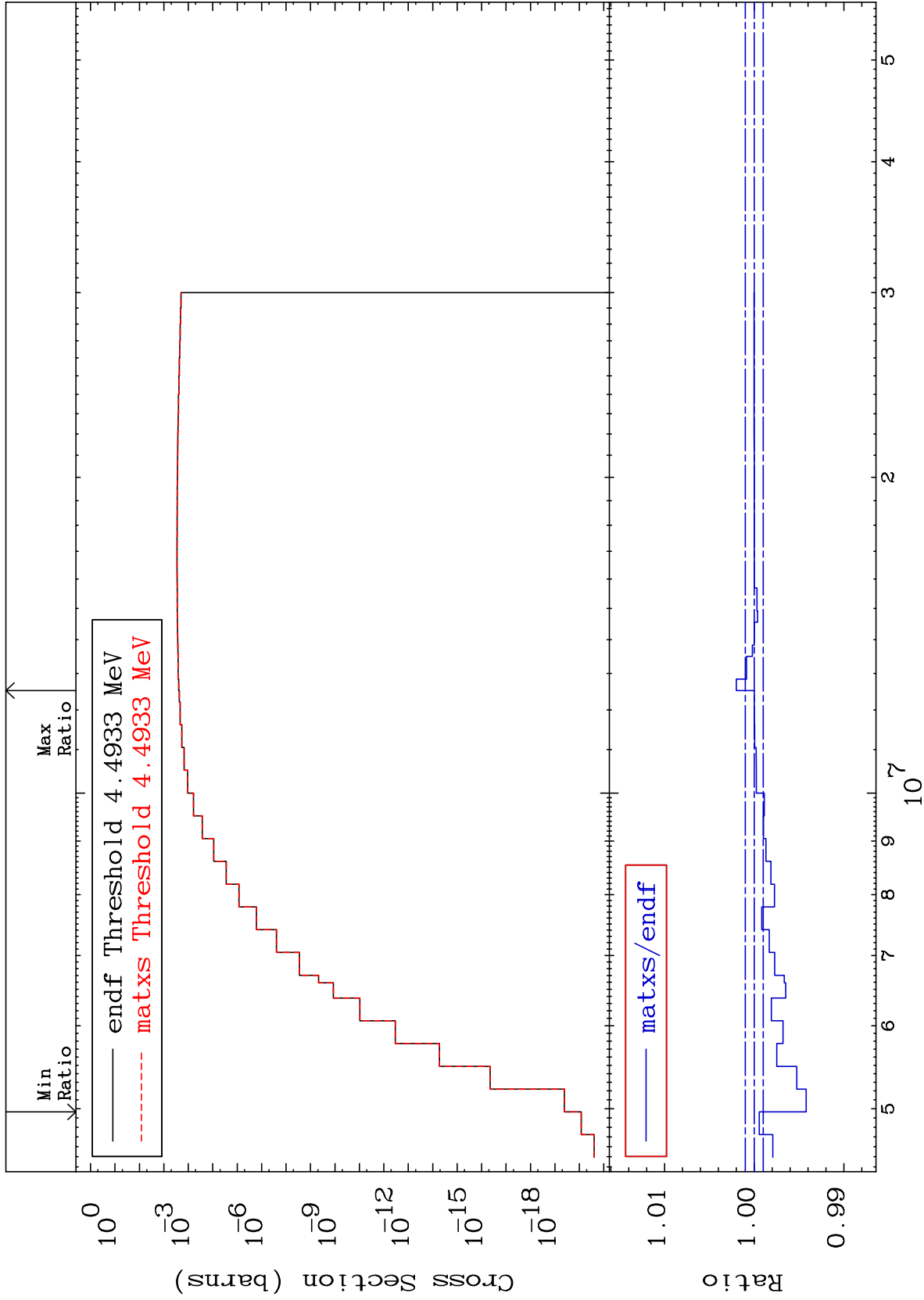
45-Rh-103
-0.792 To 0.169 %



MAT 4525

475.1 keV (n,d') Level
Cross Section

45-Rh-103
-0.579 To 0.199 %



45

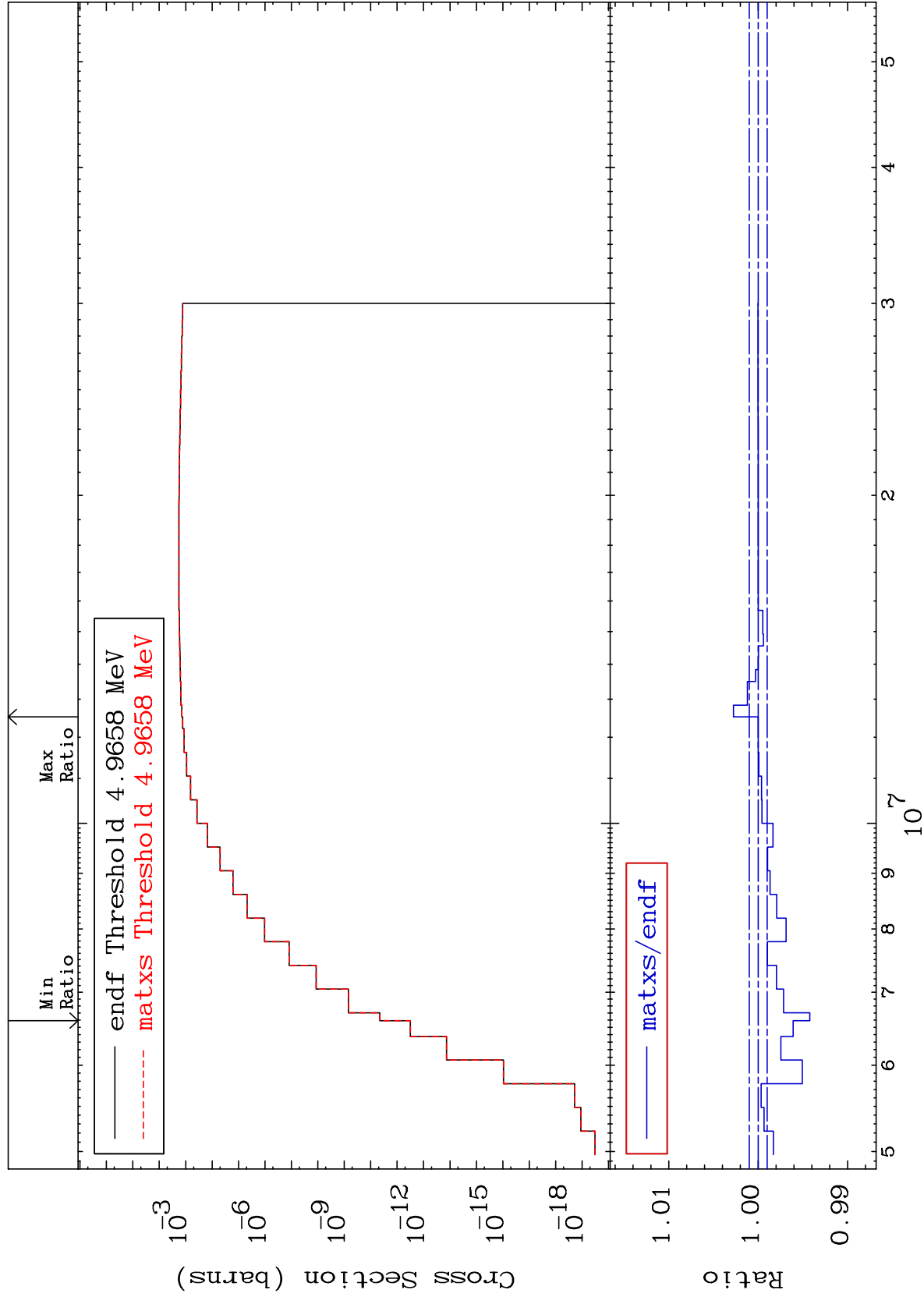
Incident Energy (eV)

45-Rh-103

MAT 4525

943.7 keV (n,d') Level
Cross Section

45-Rh-103
-0.578 To 0.277 %



46

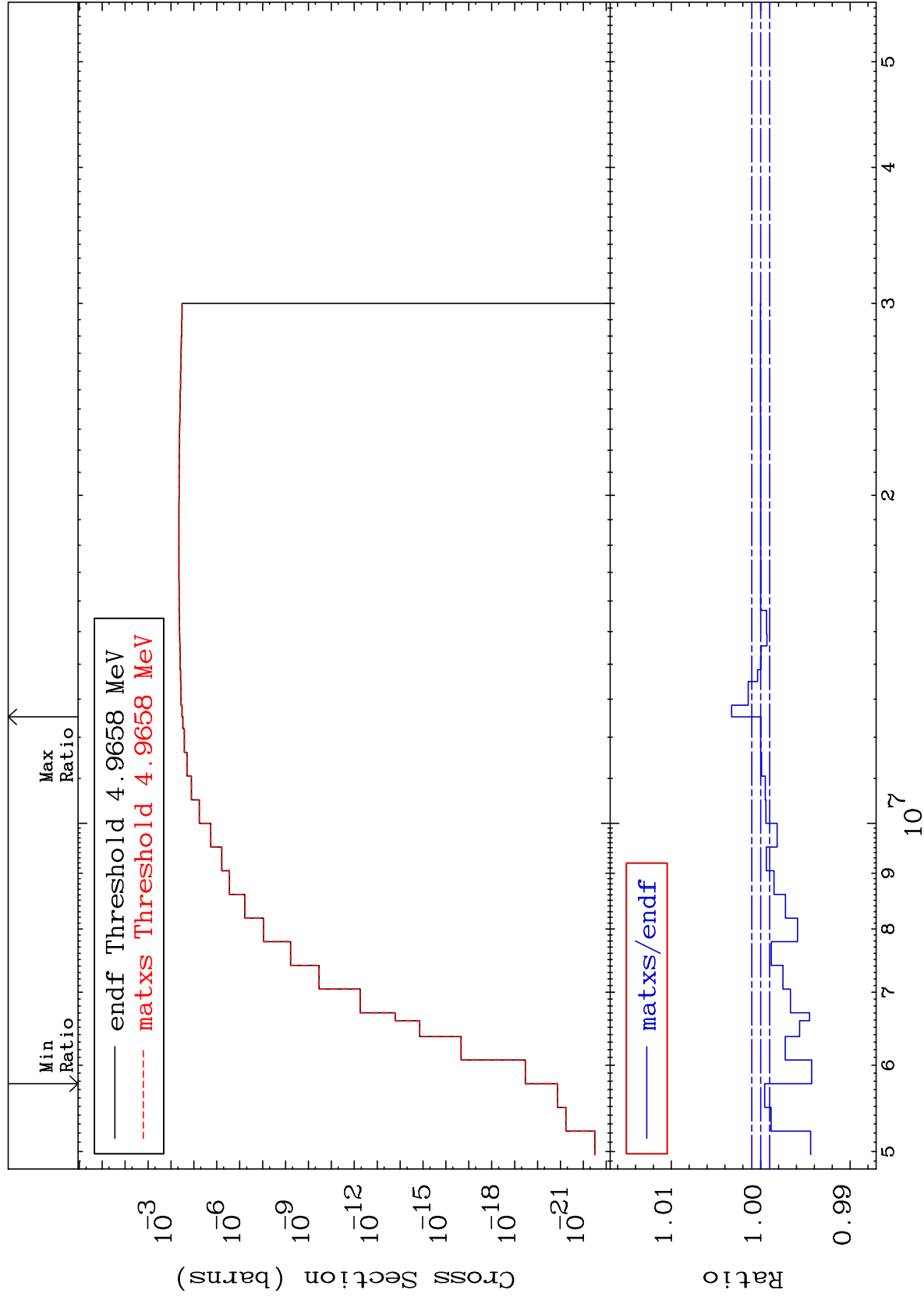
Incident Energy (eV)

45-Rh-103

MAT 4525

1.103 MeV (n,d') Level
Cross Section

45-Rh-103
-0.571 To 0.326 %



47

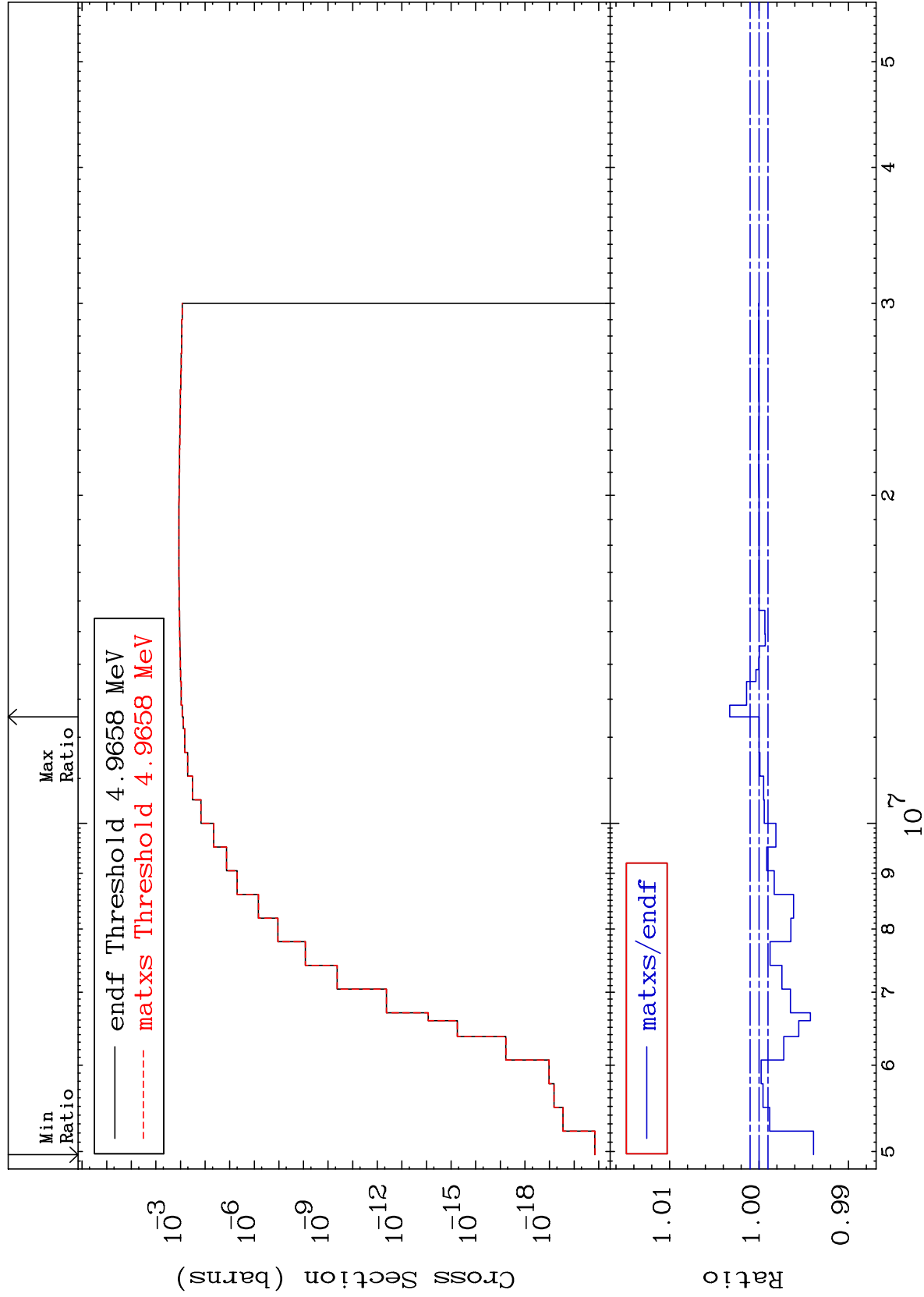
Incident Energy (eV)

45-Rh-103

MAT 4525

1.106 MeV (n,d') Level
Cross Section

45-Rh-103
-0.610 To 0.328 %



48

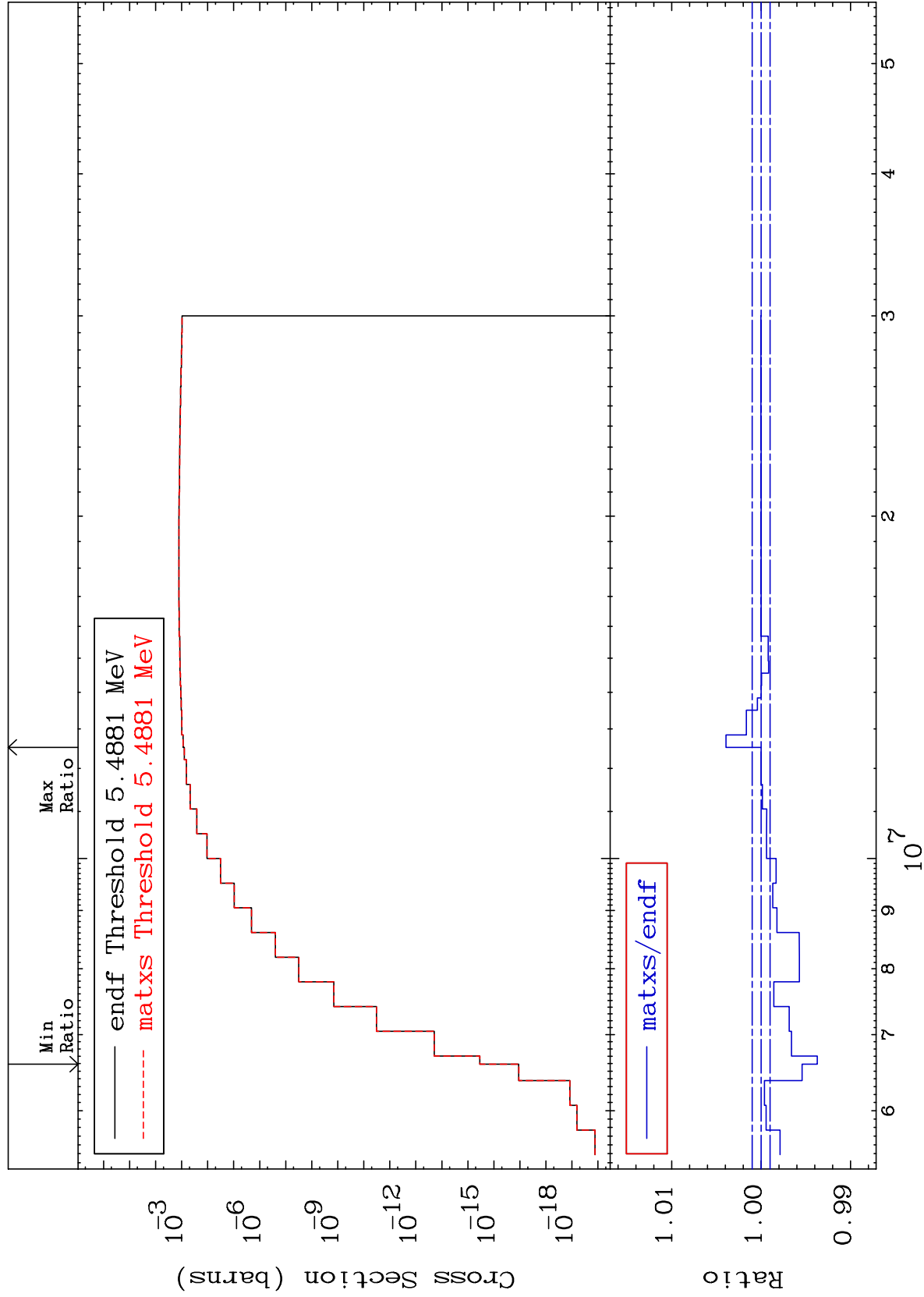
Incident Energy (eV)

45-Rh-103

MAT 4525

1.522 MeV (n,d') Level
Cross Section

45-Rh-103
-0.629 To 0.393 %



49

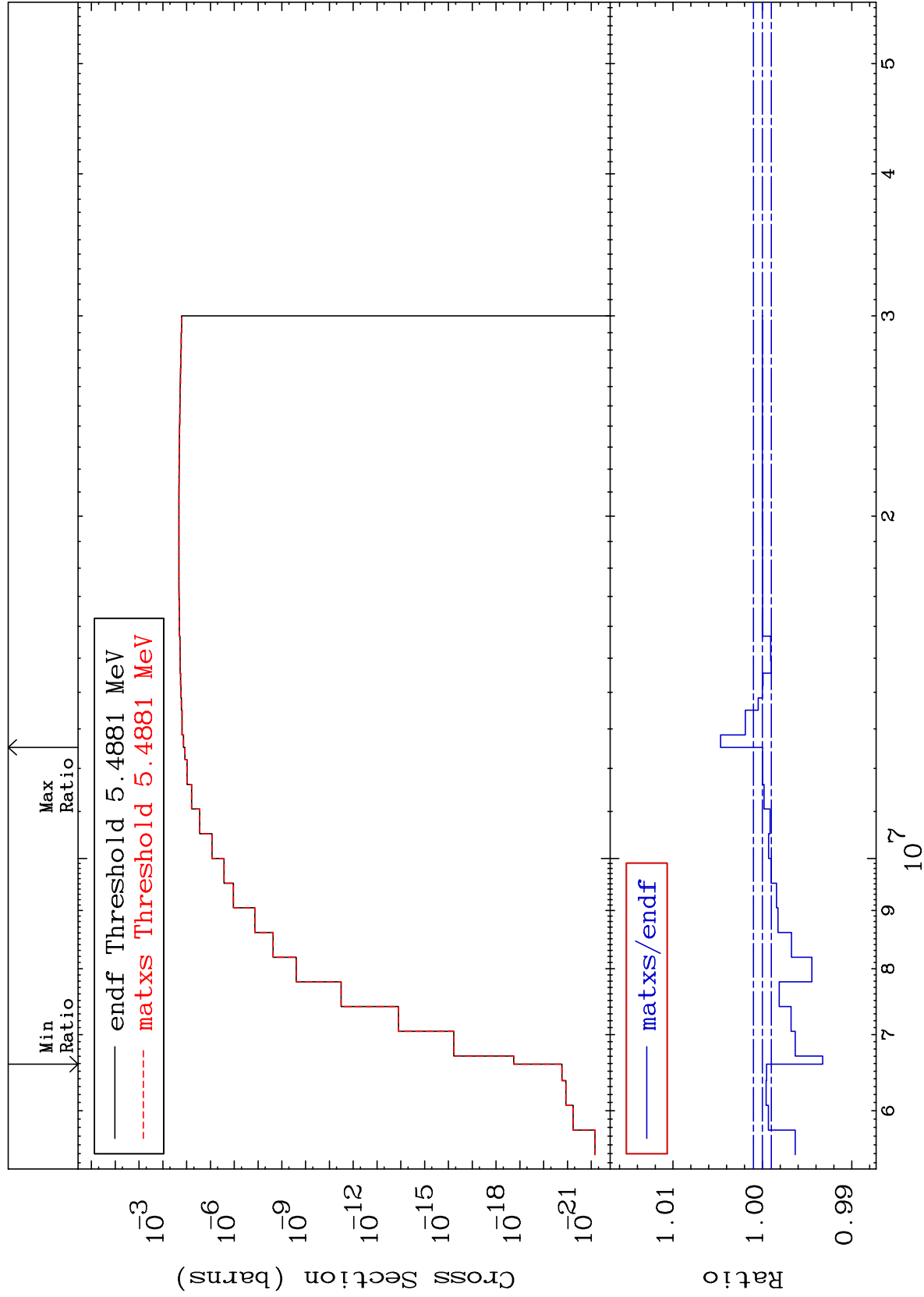
Incident Energy (eV)

45-Rh-103

MAT 4525

1.581 MeV (n,d') Level
Cross Section

45-Rh-103
-0.674 To 0.467 %



50

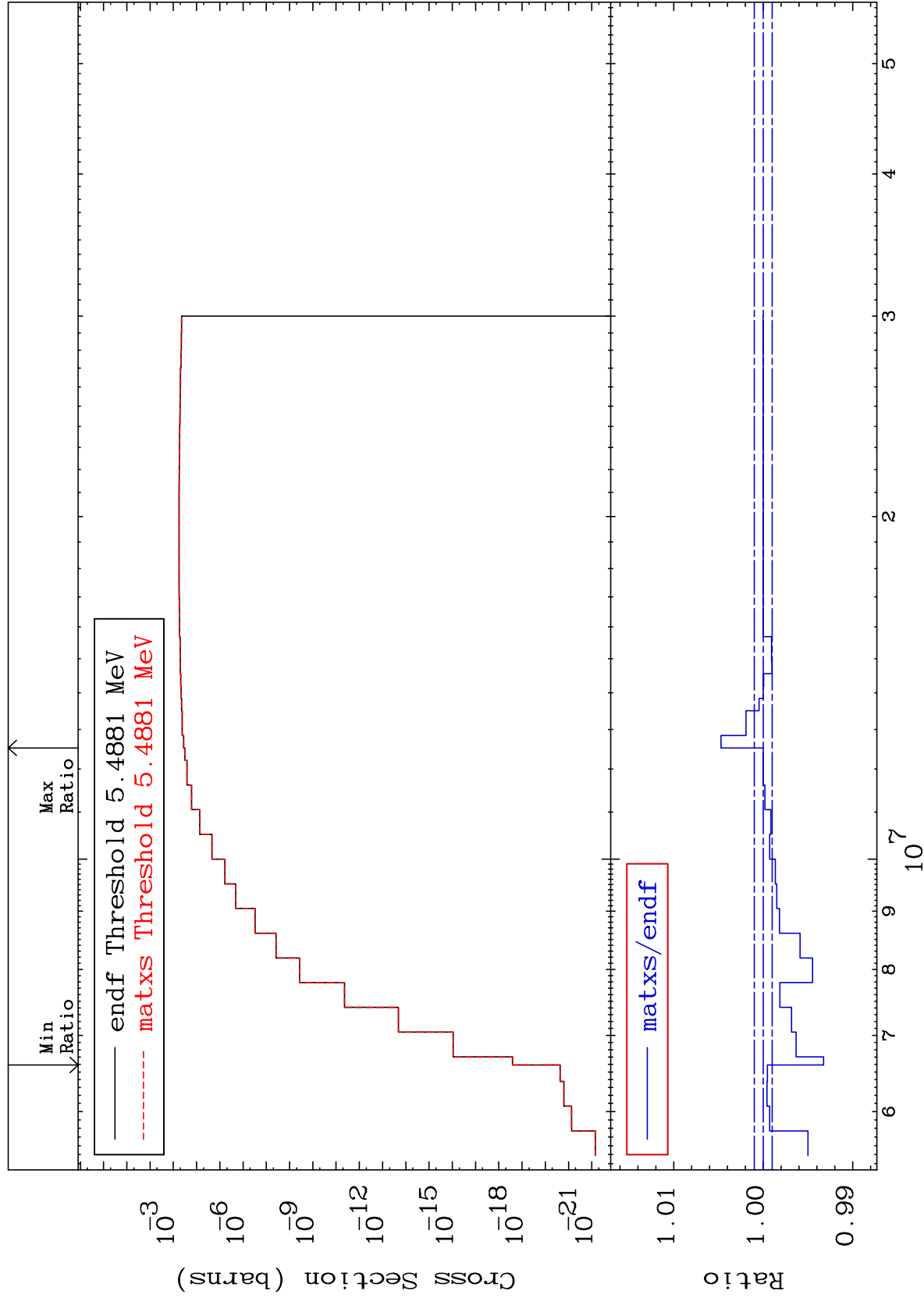
Incident Energy (eV)

45-Rh-103

MAT 4525

1.603 MeV (n,d') Level
Cross Section

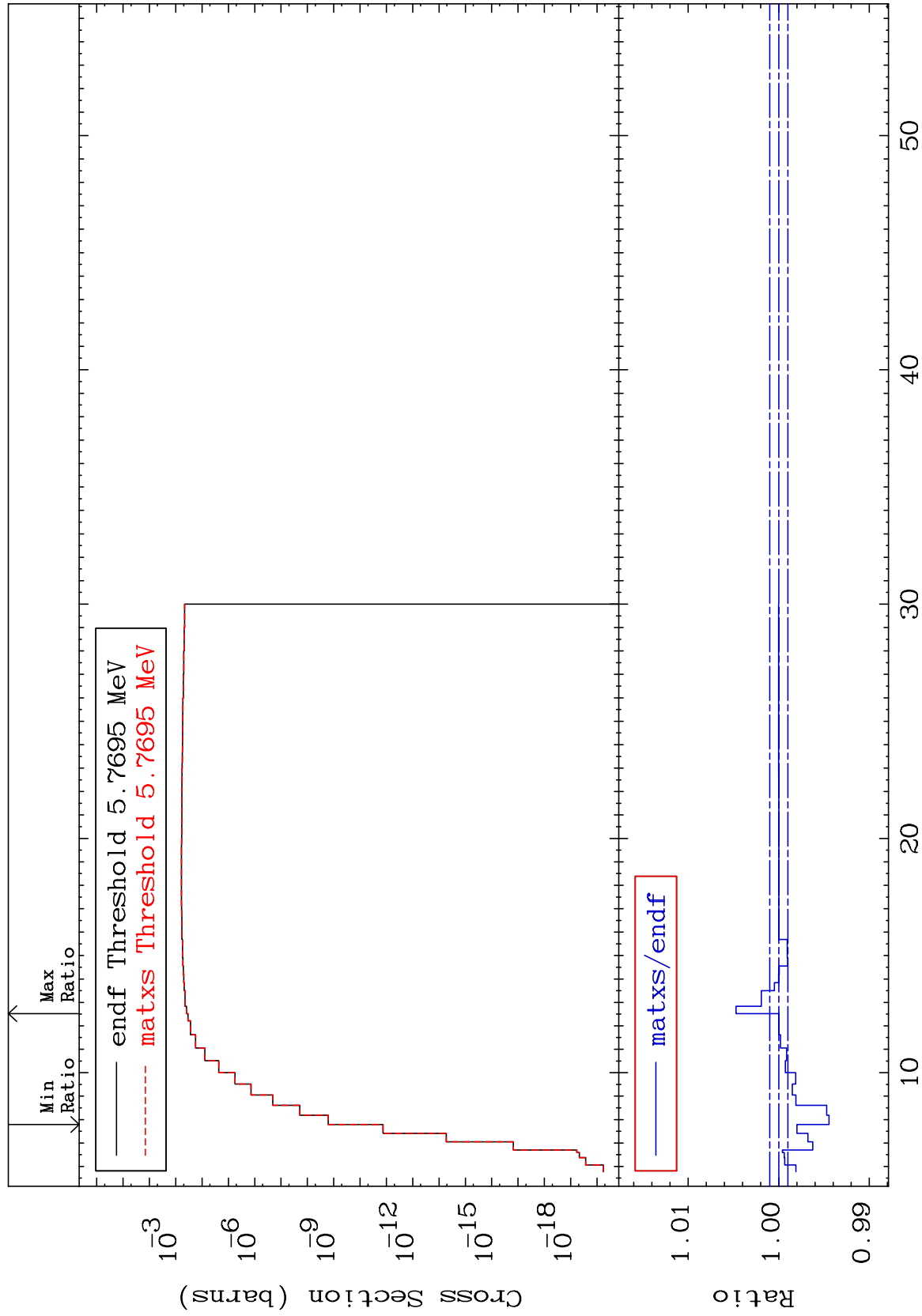
45-Rh-103
-0.674 To 0.472 %



MAT 4525

1.799 MeV (n,d') Level
Cross Section

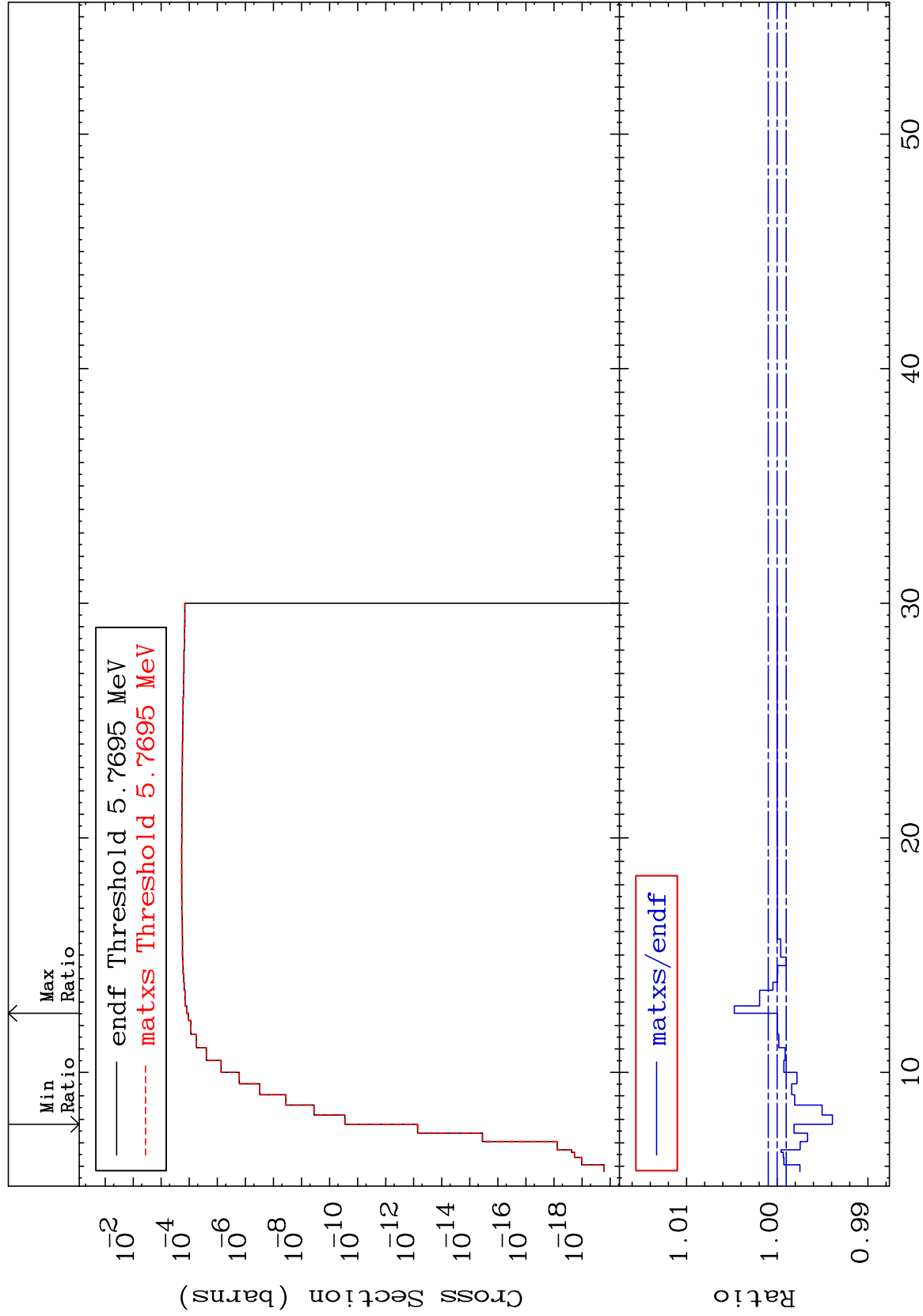
45-Rh-103
-0.555 To 0.472 %



MAT 4525

1.837 MeV (n,d') Level
Cross Section

45-Rh-103
-0.608 To 0.473 %



53

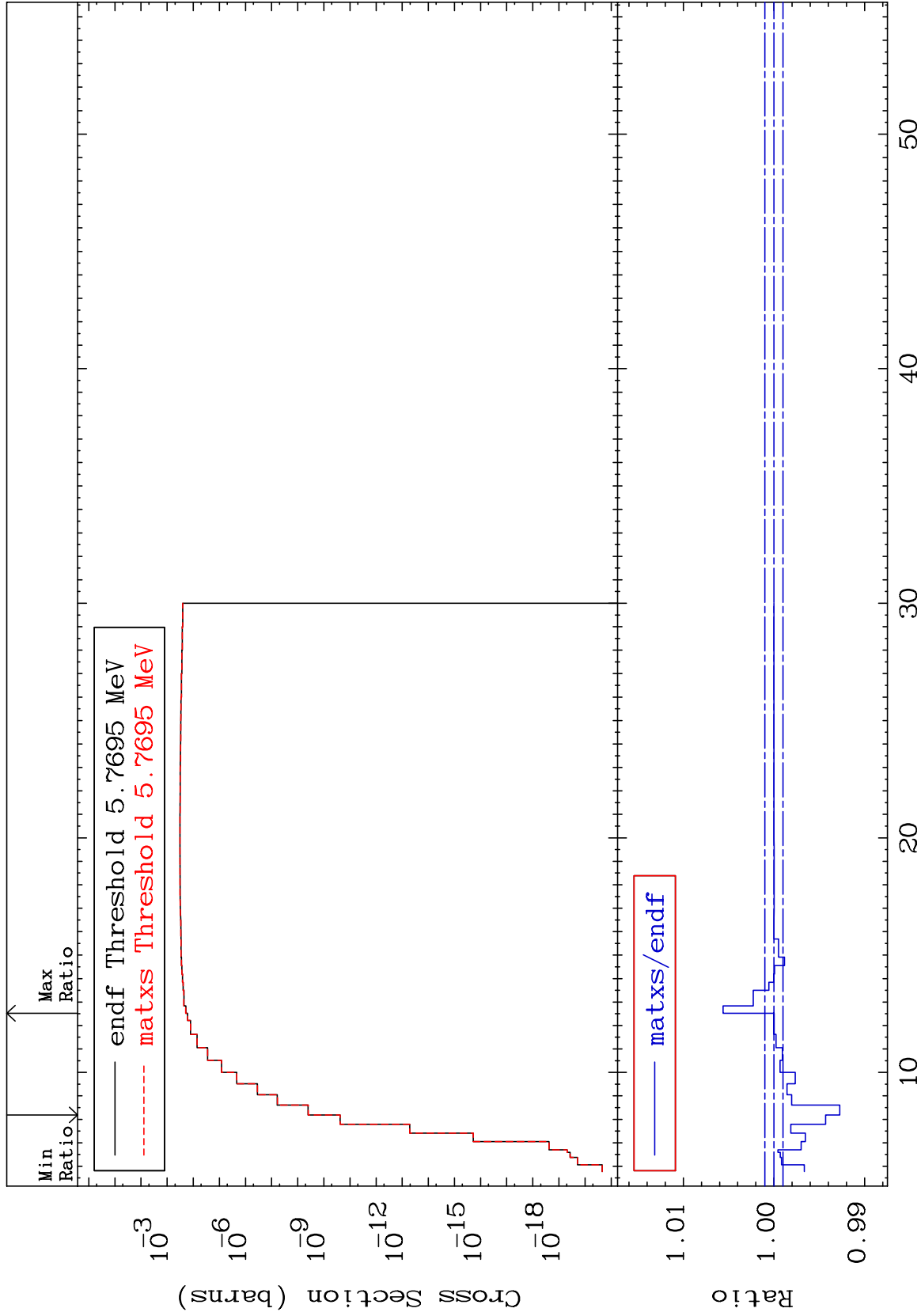
Incident Energy (MeV)

45-Rh-103

MAT 4525

1.873 MeV (n,d') Level
Cross Section

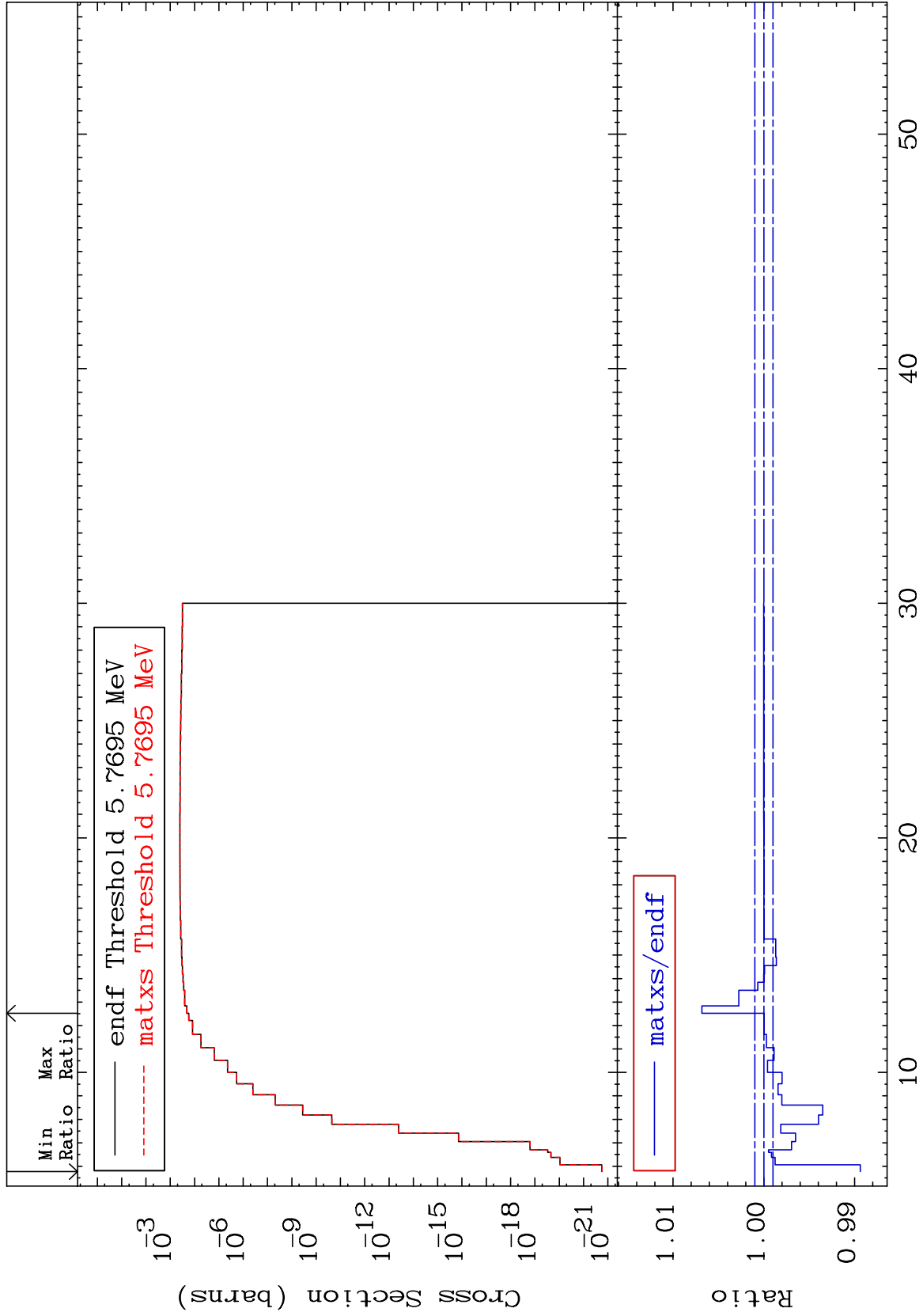
45-Rh-103
-0.726 To 0.562 %



MAT 4525

1.969 MeV (n,d') Level
Cross Section

45-Rh-103
-1.063 To 0.682 %



55

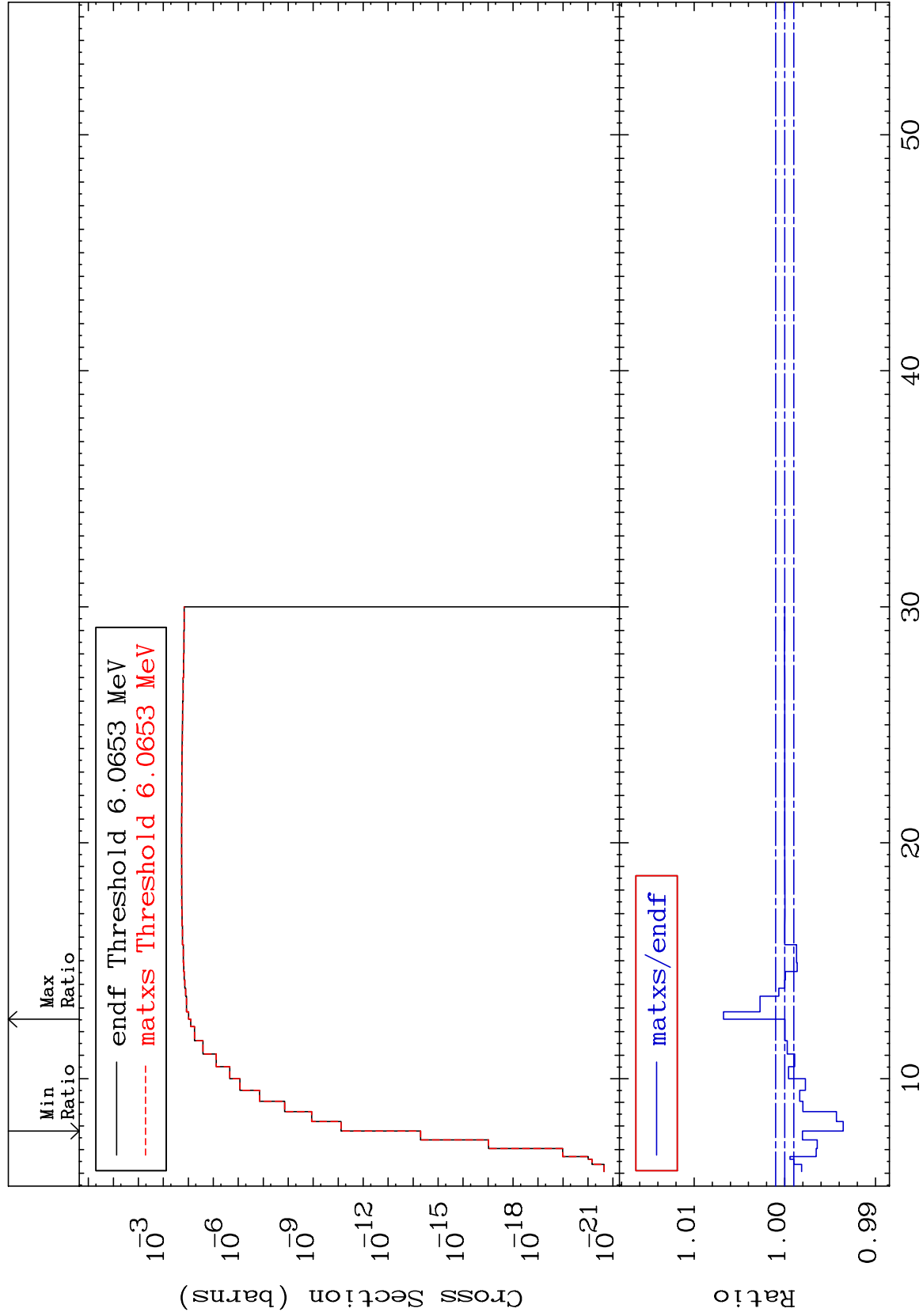
Incident Energy (MeV)

45-Rh-103

MAT 4525

2.037 MeV (n,d') Level
Cross Section

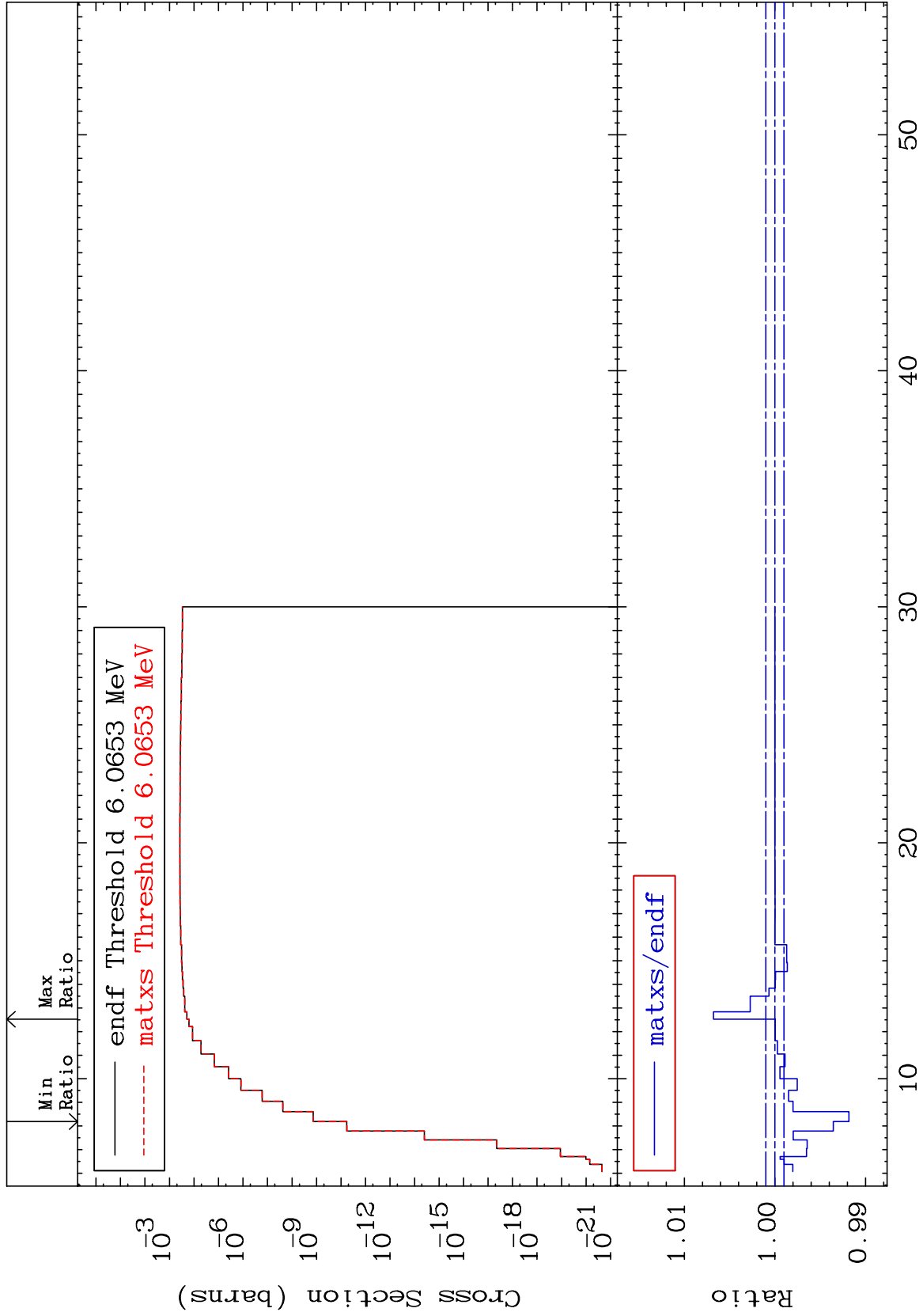
45-Rh-103
-0.644 To 0.675 %



MAT 4525

2.044 MeV (n,d') Level
Cross Section

45-Rh-103
-0.815 To 0.679 %



57

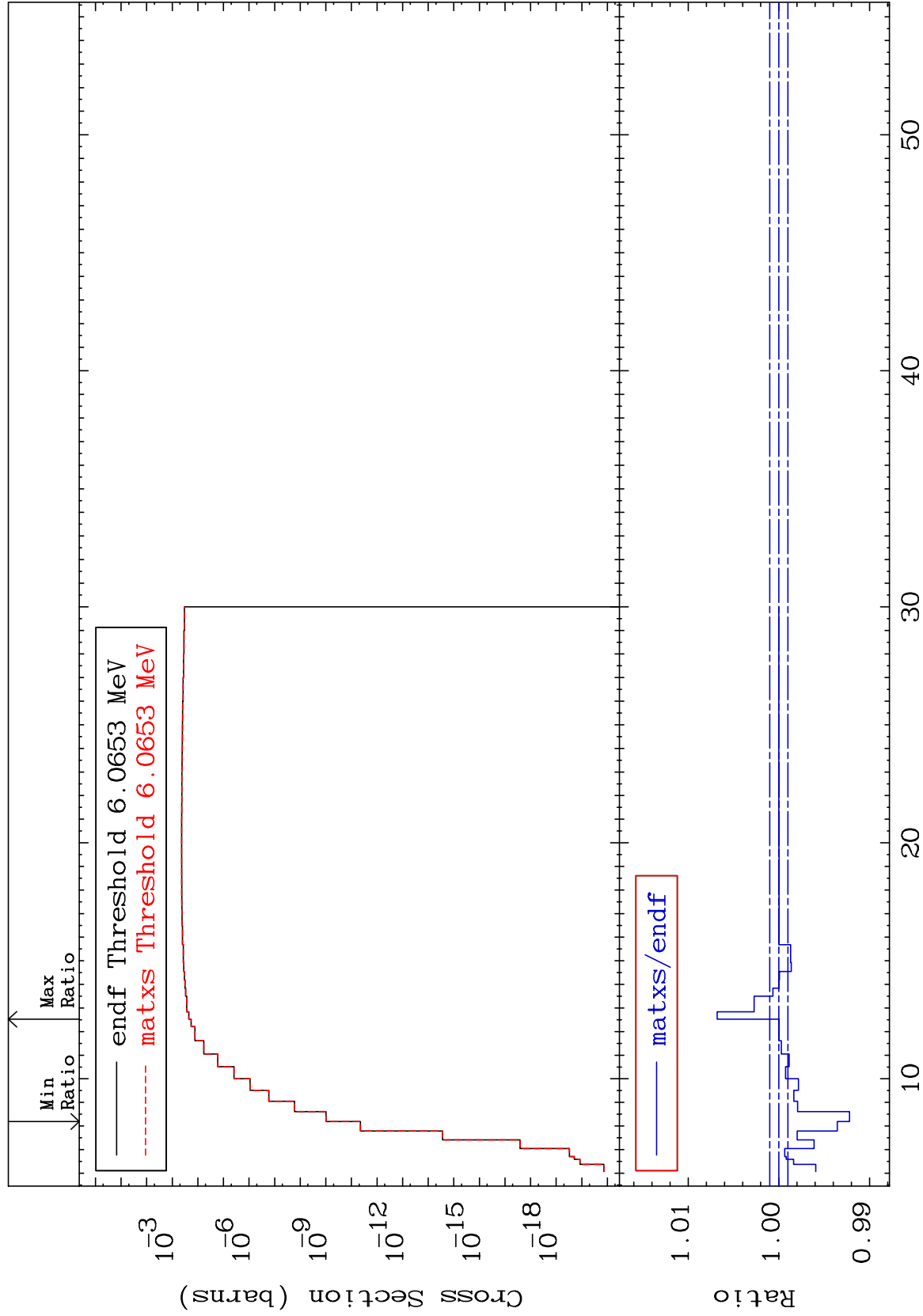
Incident Energy (MeV)

45-Rh-103

MAT 4525

2.190 MeV (n,d') Level
Cross Section

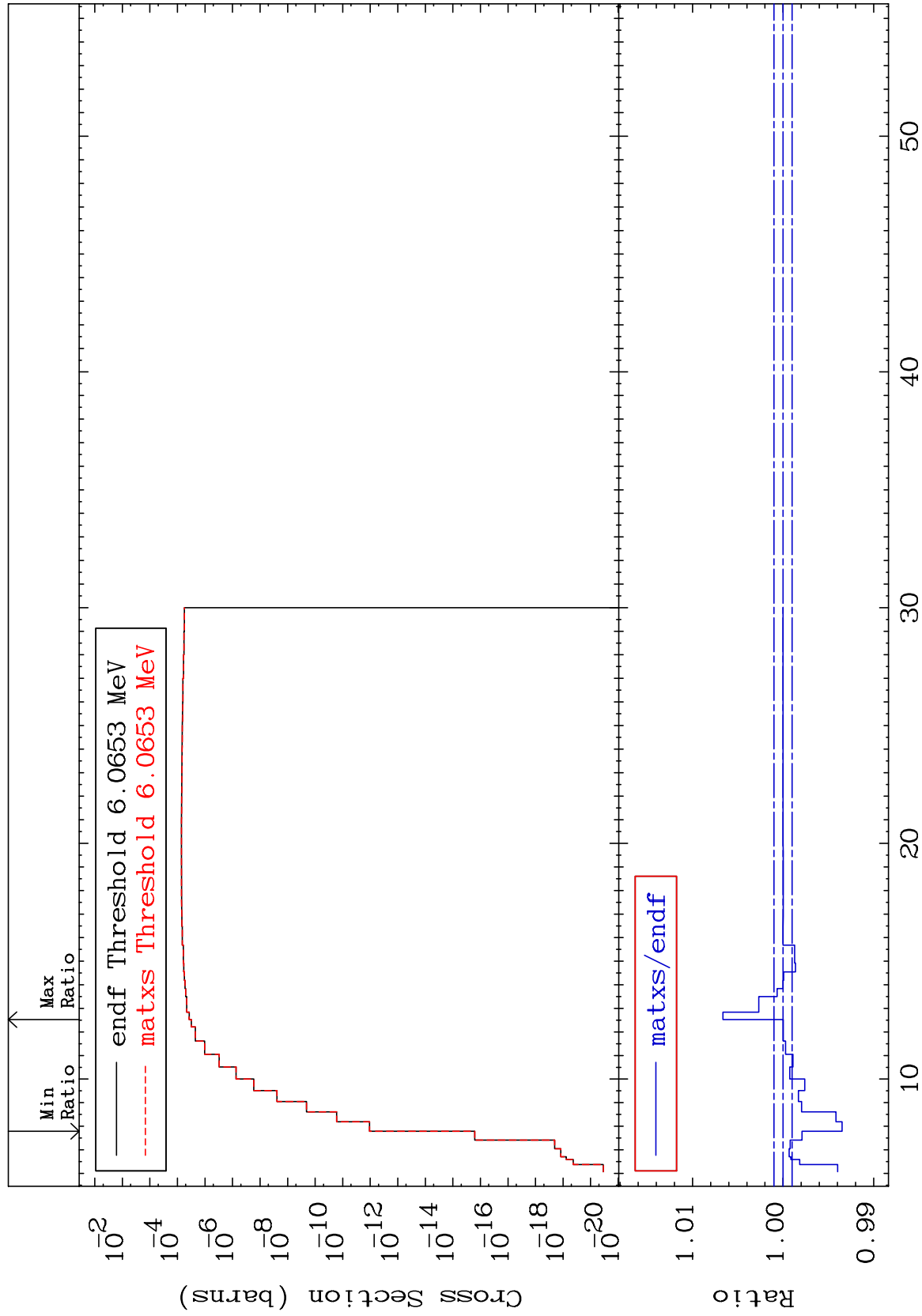
45-Rh-103
-0.779 To 0.680 %



MAT 4525

2.219 MeV (n,d') Level
Cross Section

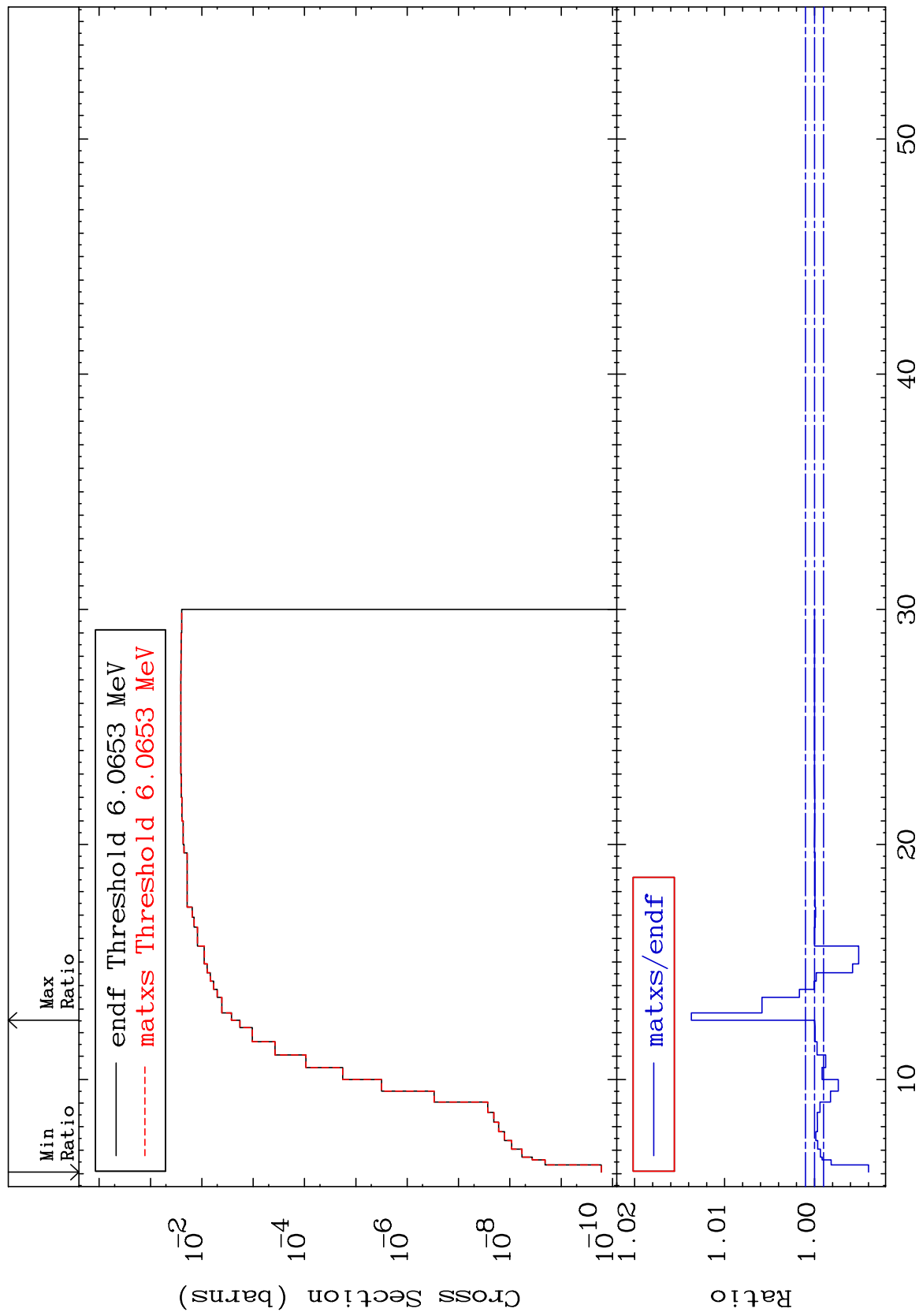
45-Rh-103
-0.652 To 0.664 %



MAT 4525

2.219 MeV (n,d') Level
Cross Section

45-Rh-103
-0.601 To 1.370 %



60

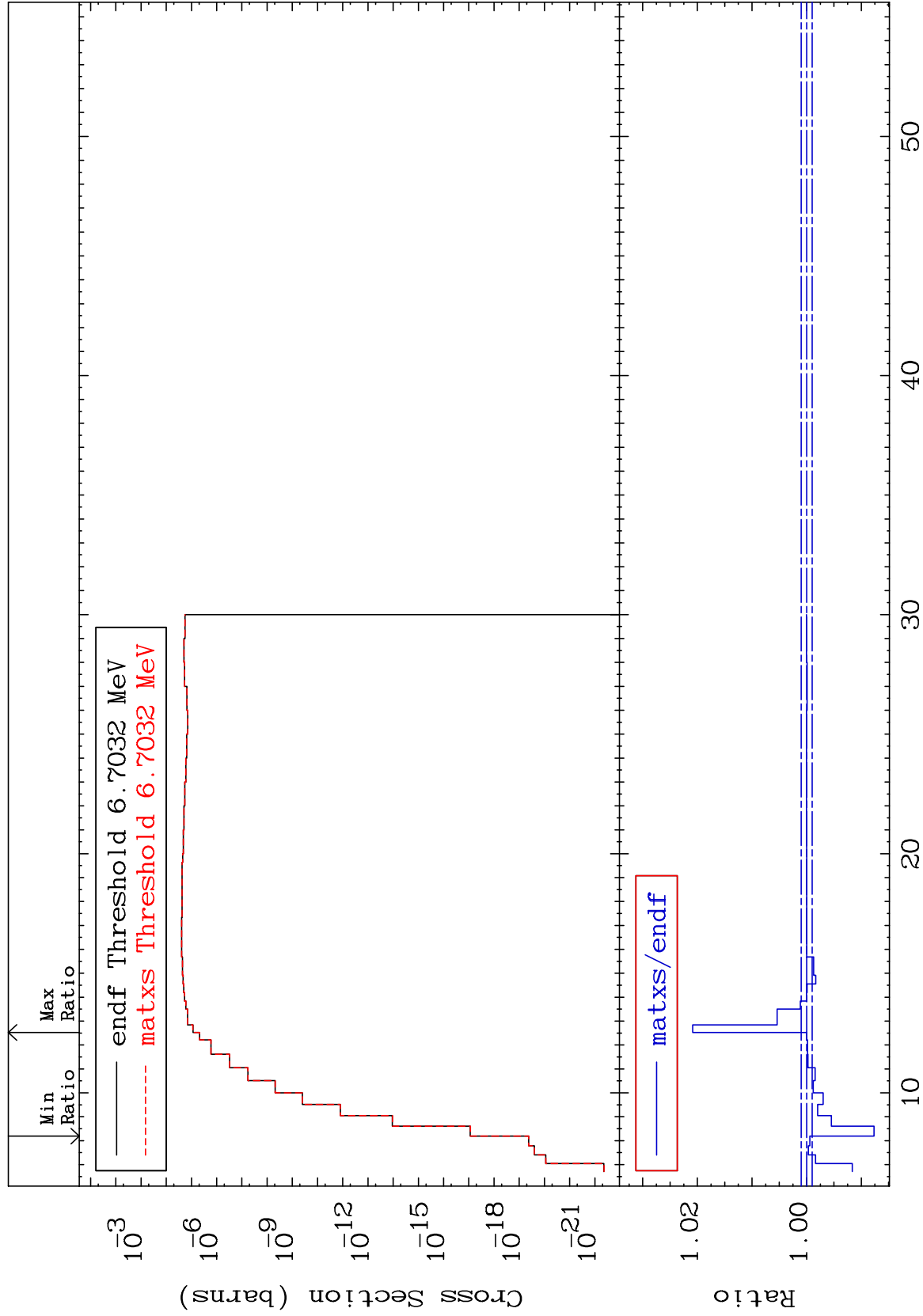
Incident Energy (MeV)

45-Rh-103

MAT 4525

(n, t') Ground
Cross Section

45-Rh-103
-1.233 To 2.085 %



61

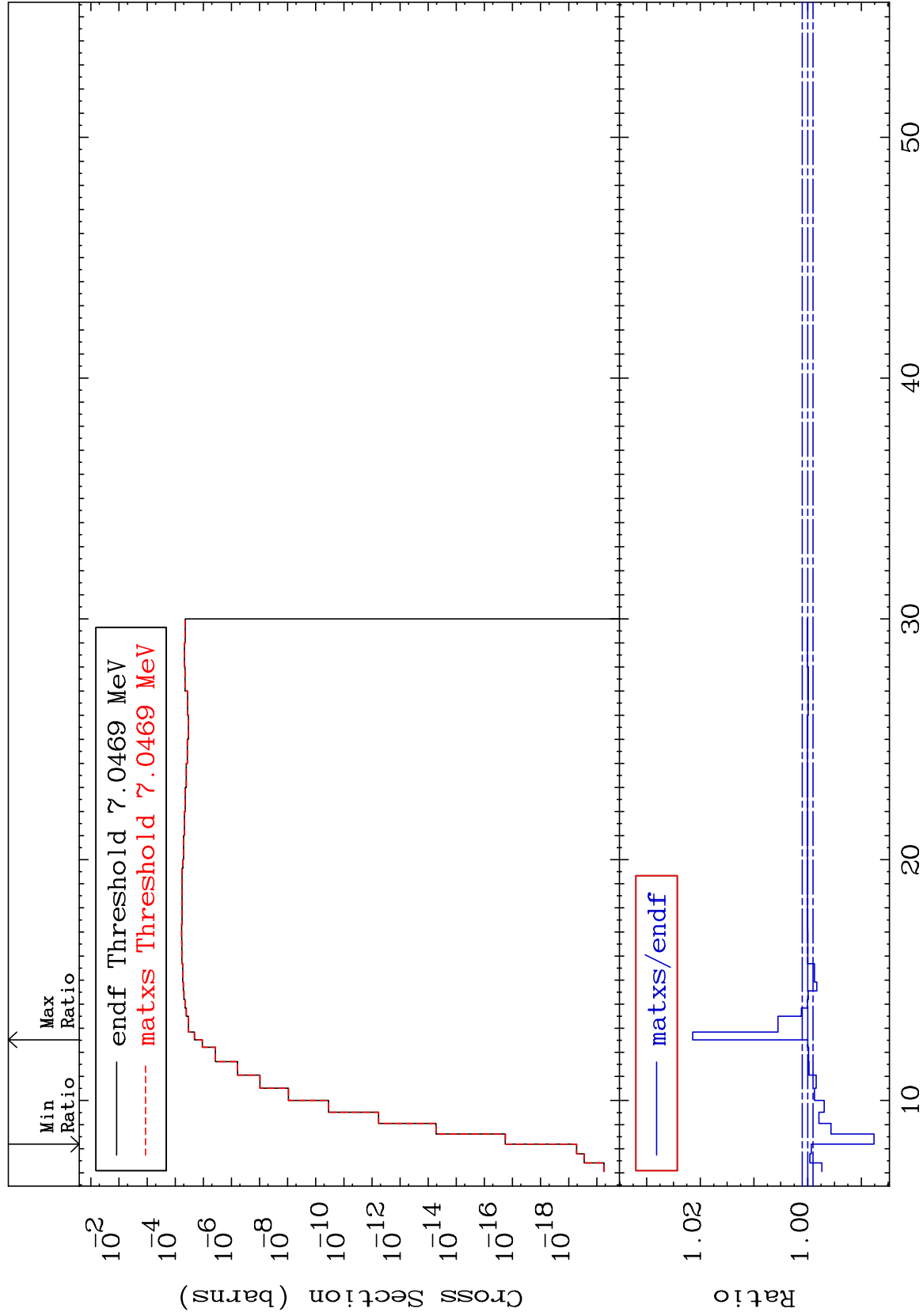
Incident Energy (MeV)

45-Rh-103

MAT 4525

127.2 keV (n, t') Level
Cross Section

45-Rh-103
-1.237 To 2.141 %



62

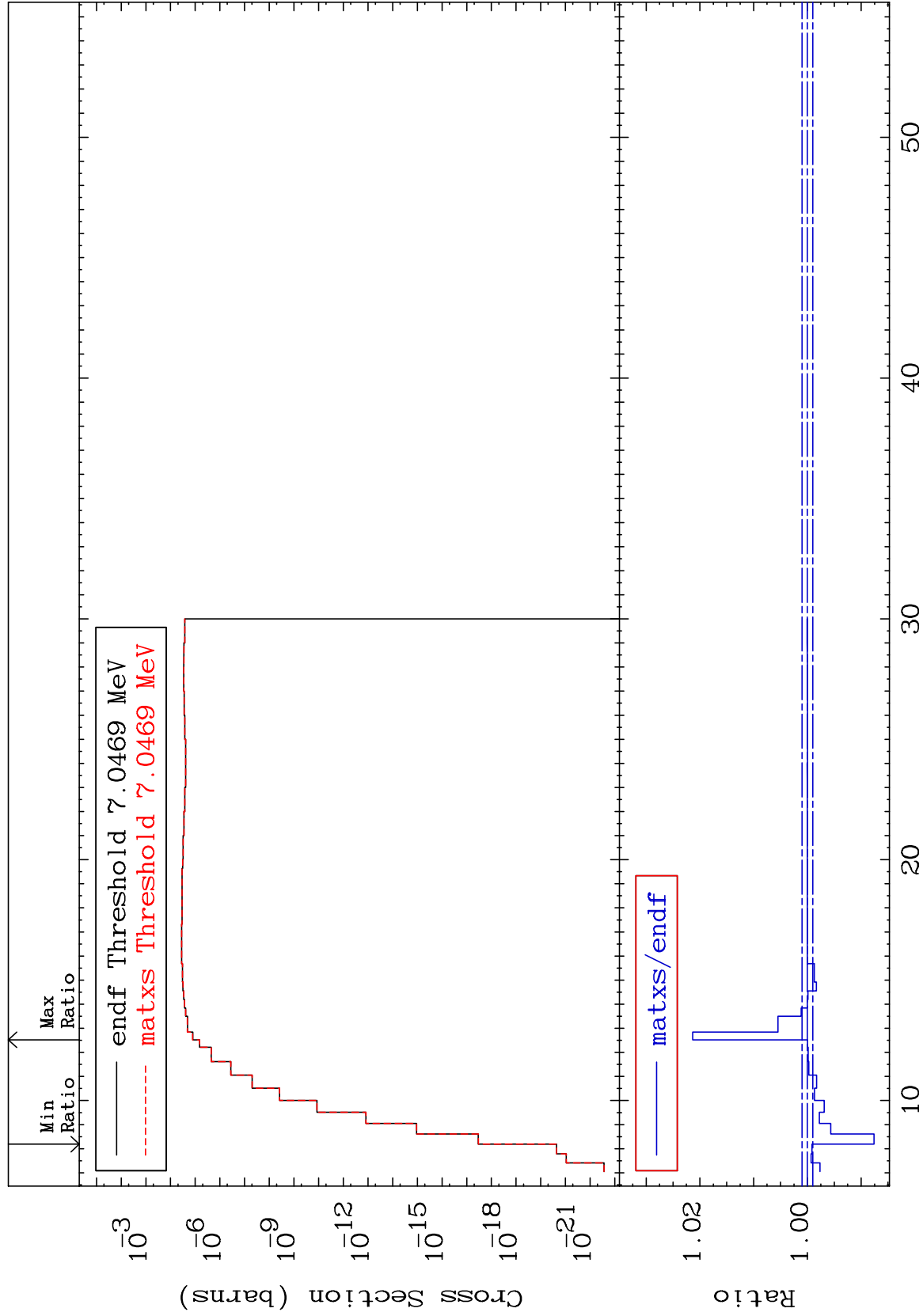
Incident Energy (MeV)

45-Rh-103

MAT 4525

306.9 keV (n, t') Level
Cross Section

45-Rh-103
-1.240 To 2.133 %



63

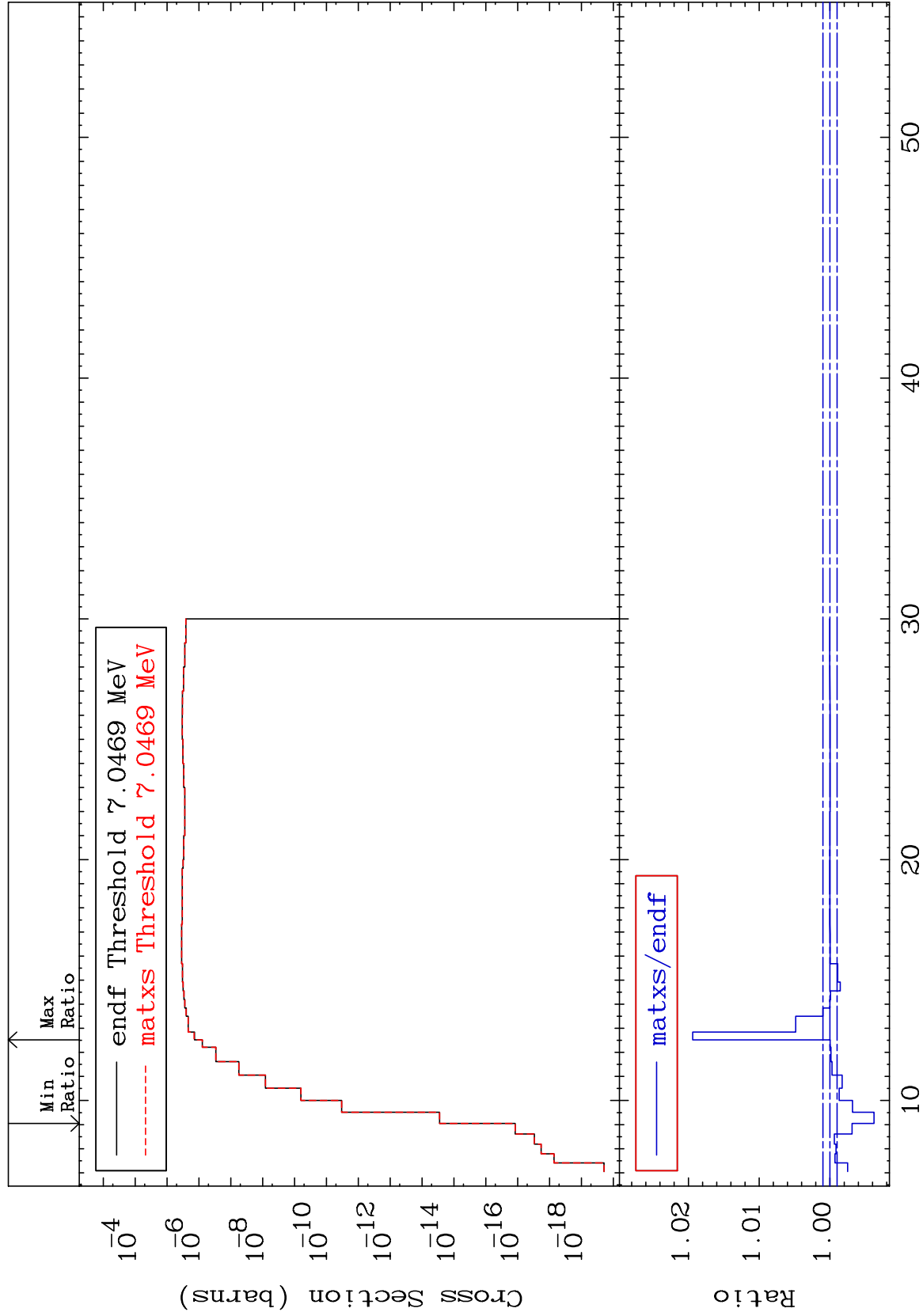
Incident Energy (MeV)

45-Rh-103

MAT 4525

311.3 keV (n, t') Level
Cross Section

45-Rh-103
-0.622 To 1.938 %



64

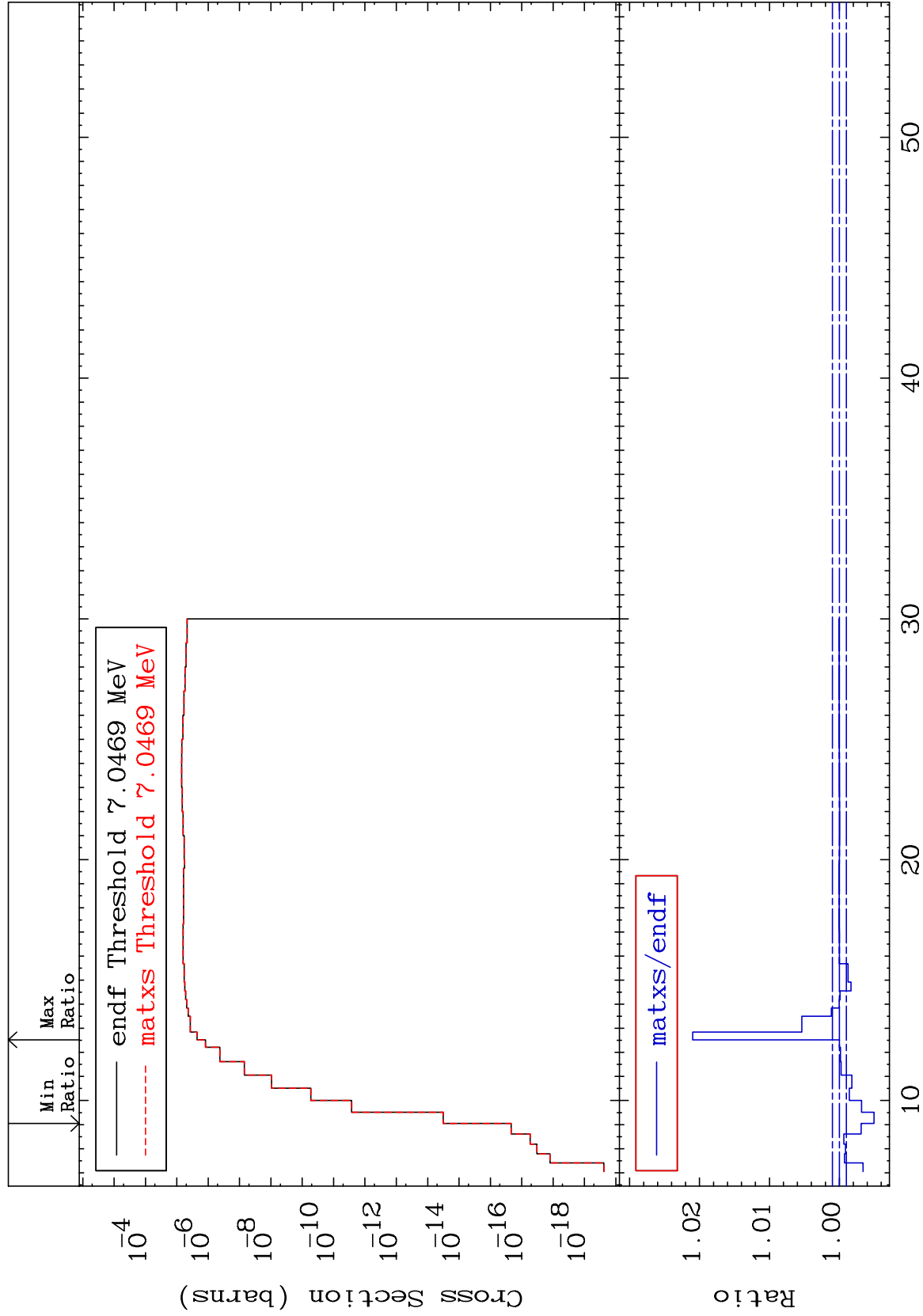
Incident Energy (MeV)

45-Rh-103

MAT 4525

324.8 keV (n,t') Level
Cross Section

45-Rh-103
-0.496 To 2.097 %



65

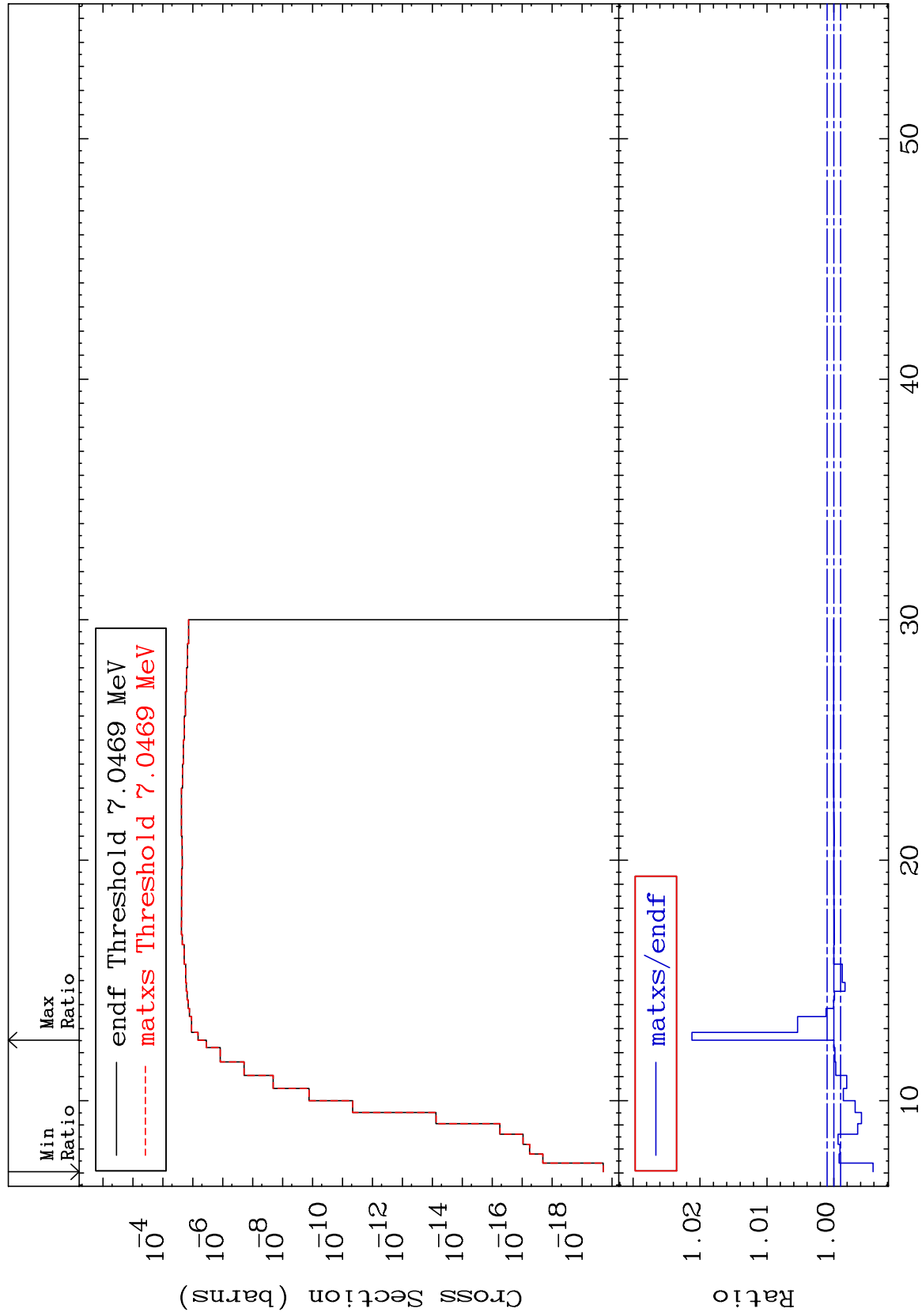
Incident Energy (MeV)

45-Rh-103

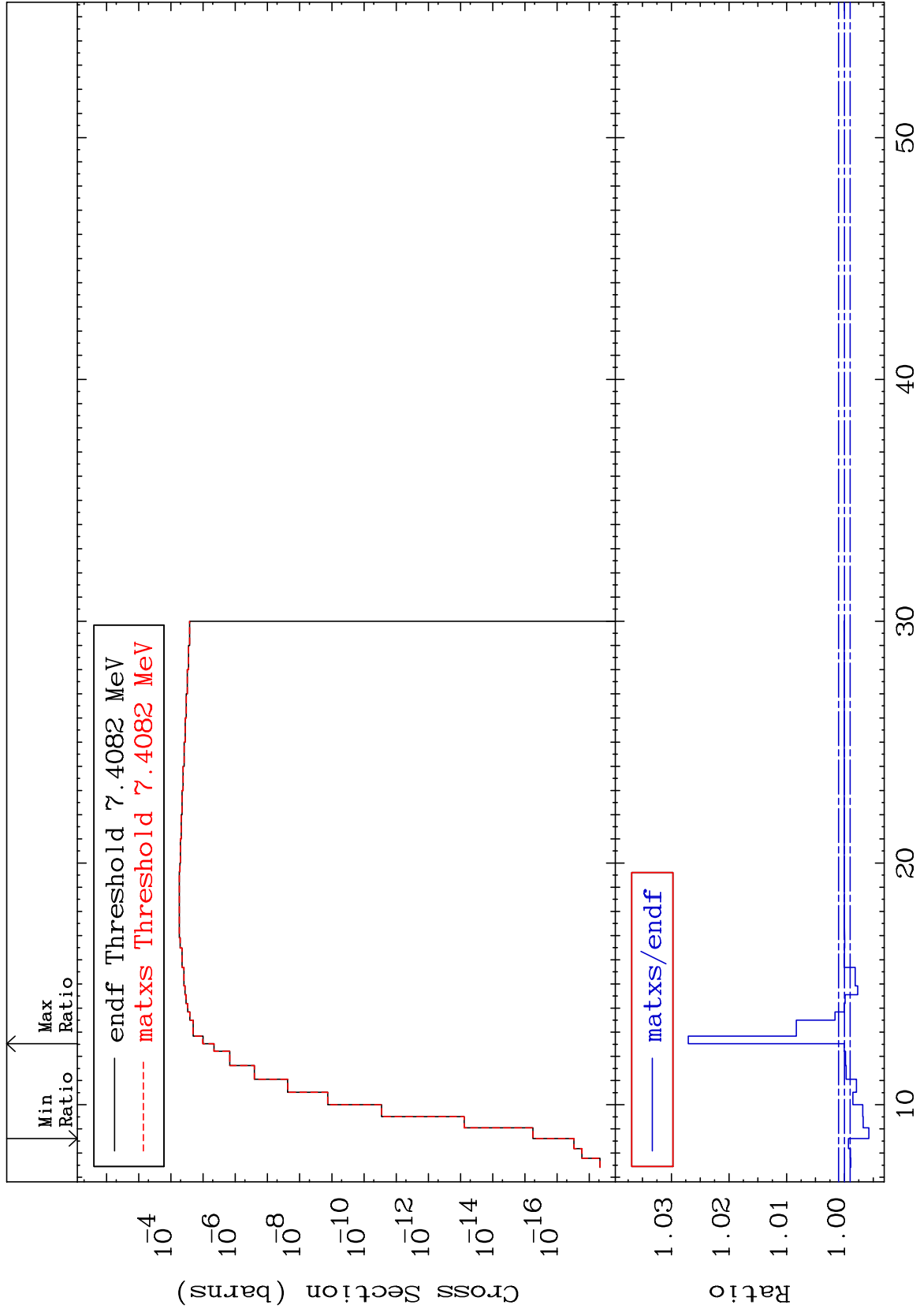
MAT 4525

344.0 keV (n,t') Level
Cross Section

45-Rh-103
-0.587 To 2.121 %



MAT 4525 422.3 keV (n, t') Level 45-Rh-103
Cross Section -0.425 To 2.706 %

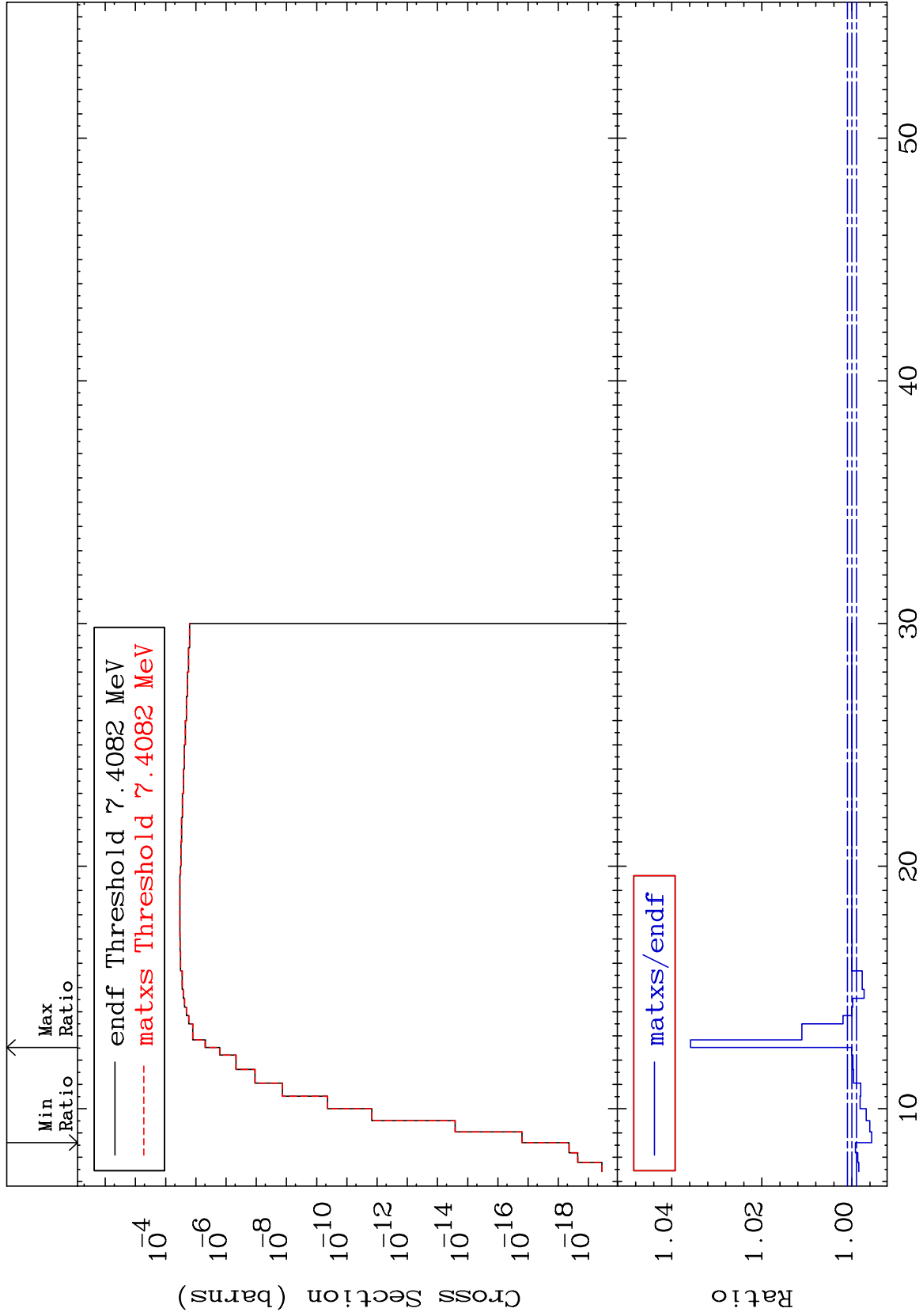


67 Incident Energy (MeV) 45-Rh-103

MAT 4525

527.5 keV (n,t') Level
Cross Section

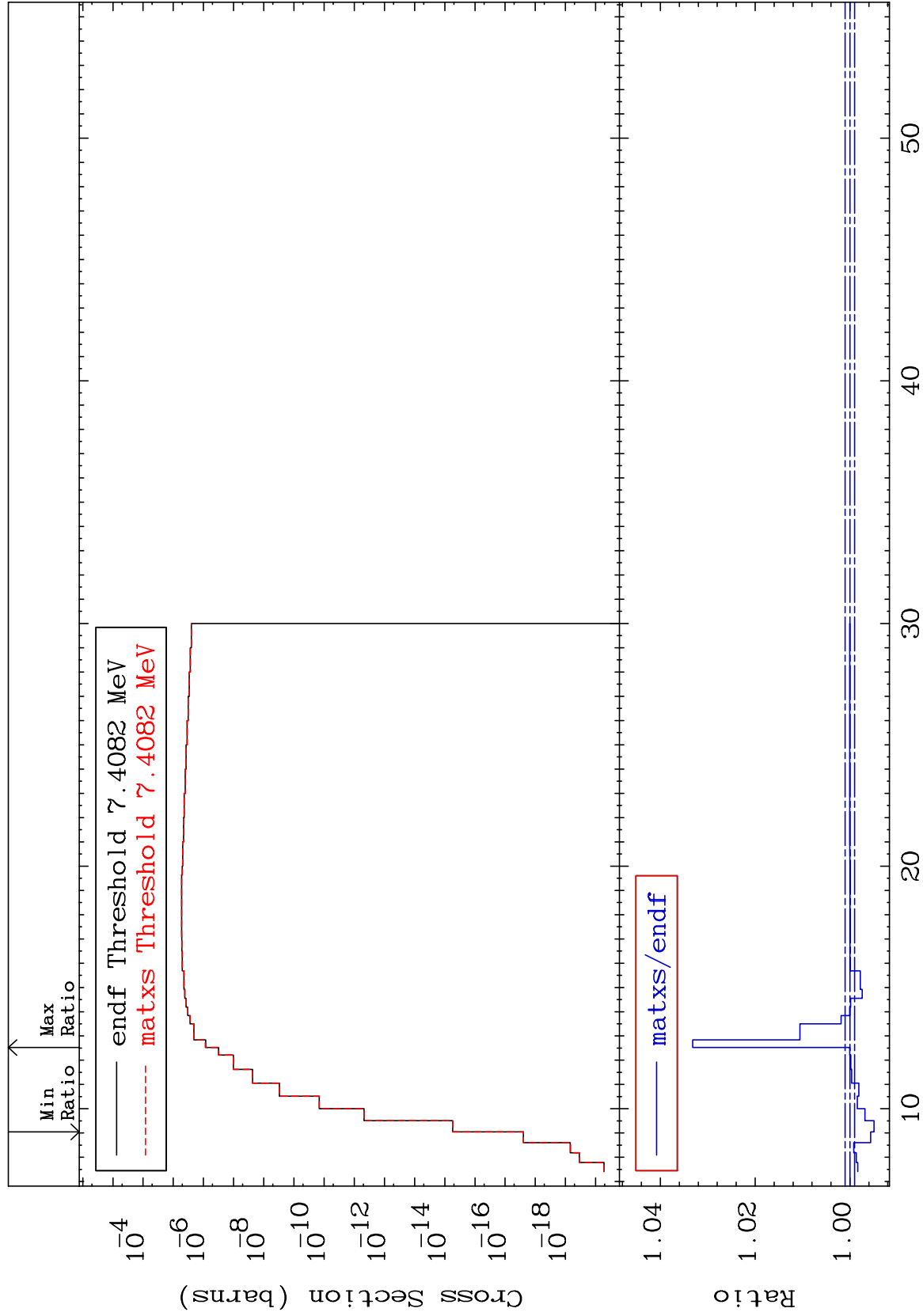
45-Rh-103
-0.439 To 3.583 %



MAT 4525

535.0 keV (n,t') Level
Cross Section

45-Rh-103
-0.509 To 3.318 %



69

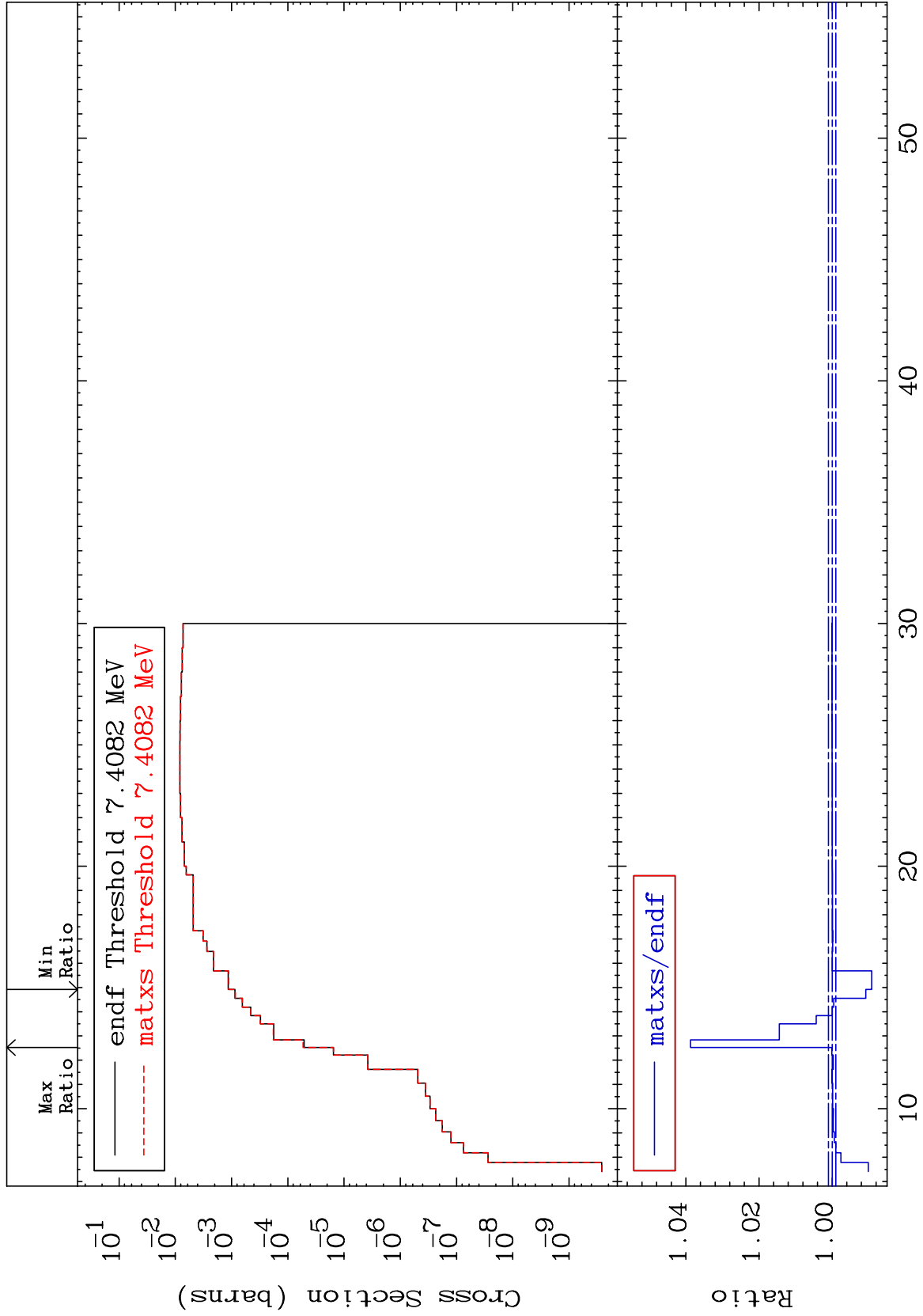
Incident Energy (MeV)

45-Rh-103

MAT 4525

718.0 keV (n,t') Level
Cross Section

45-Rh-103
-1.081 To 3.871 %



70

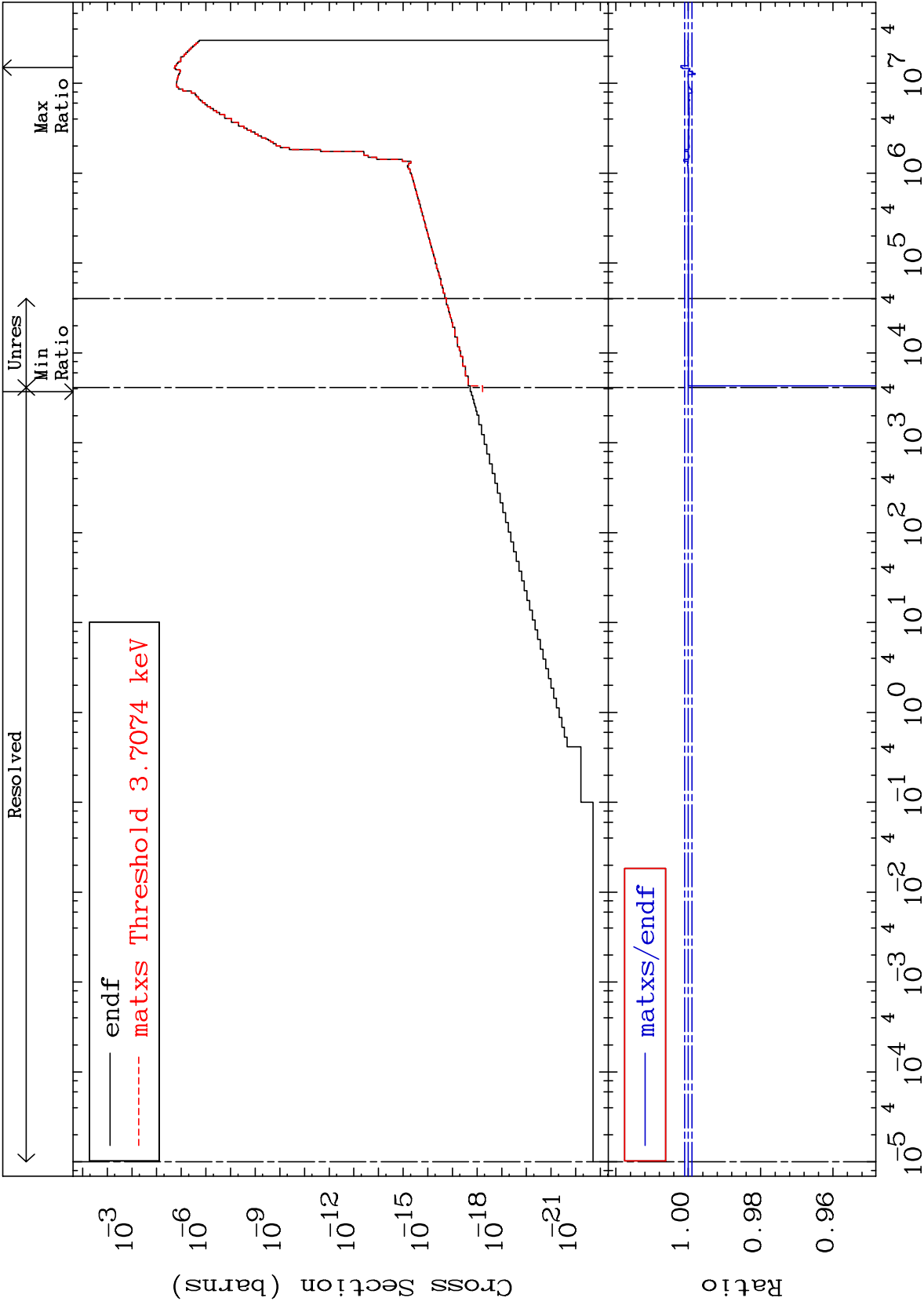
Incident Energy (MeV)

45-Rh-103

MAT 4525

(n, α') Ground
Cross Section

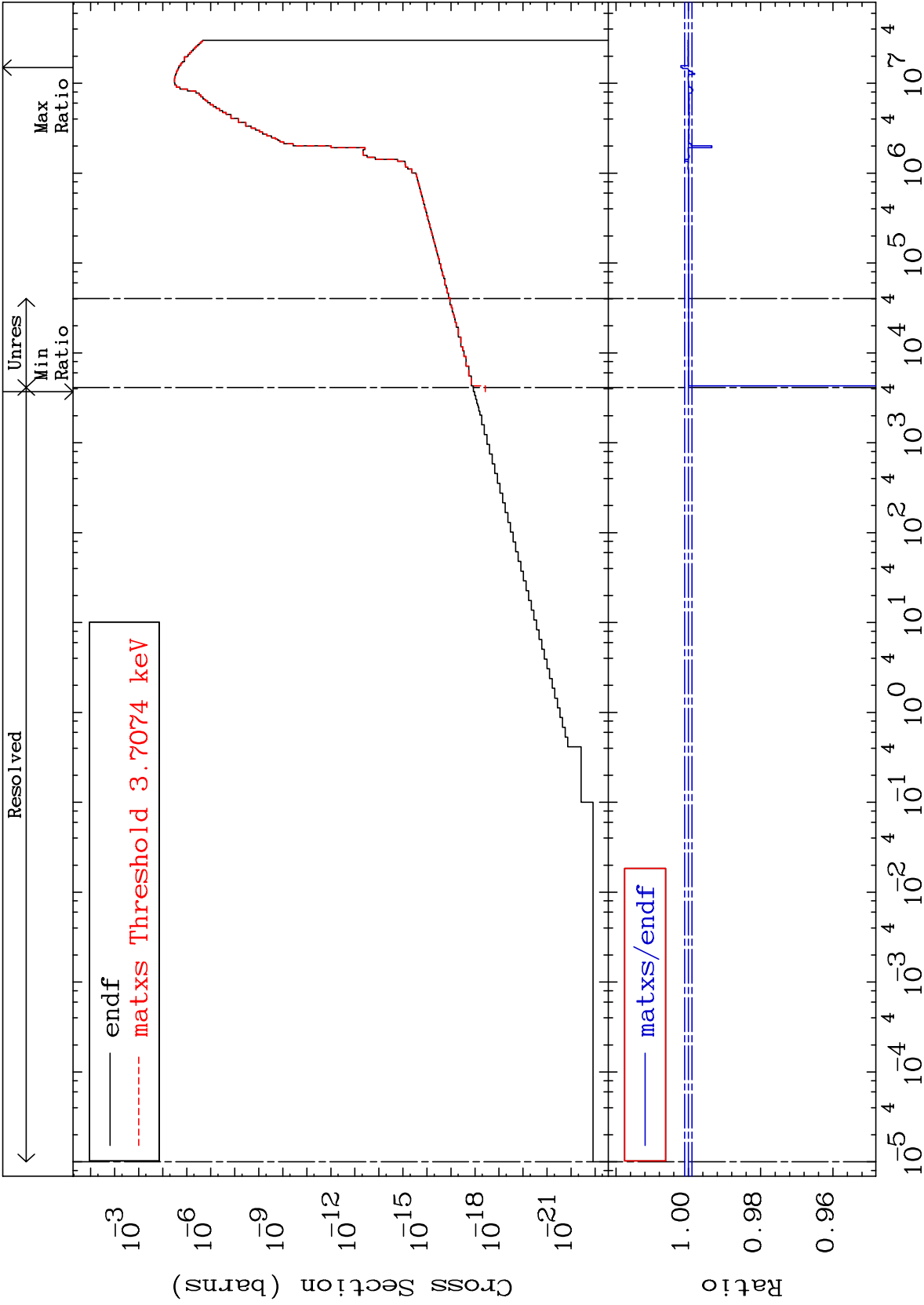
45-Rh-103
-68.08 To 0.203 %



MAT 4525

172.2 keV (n, α') Level
Cross Section

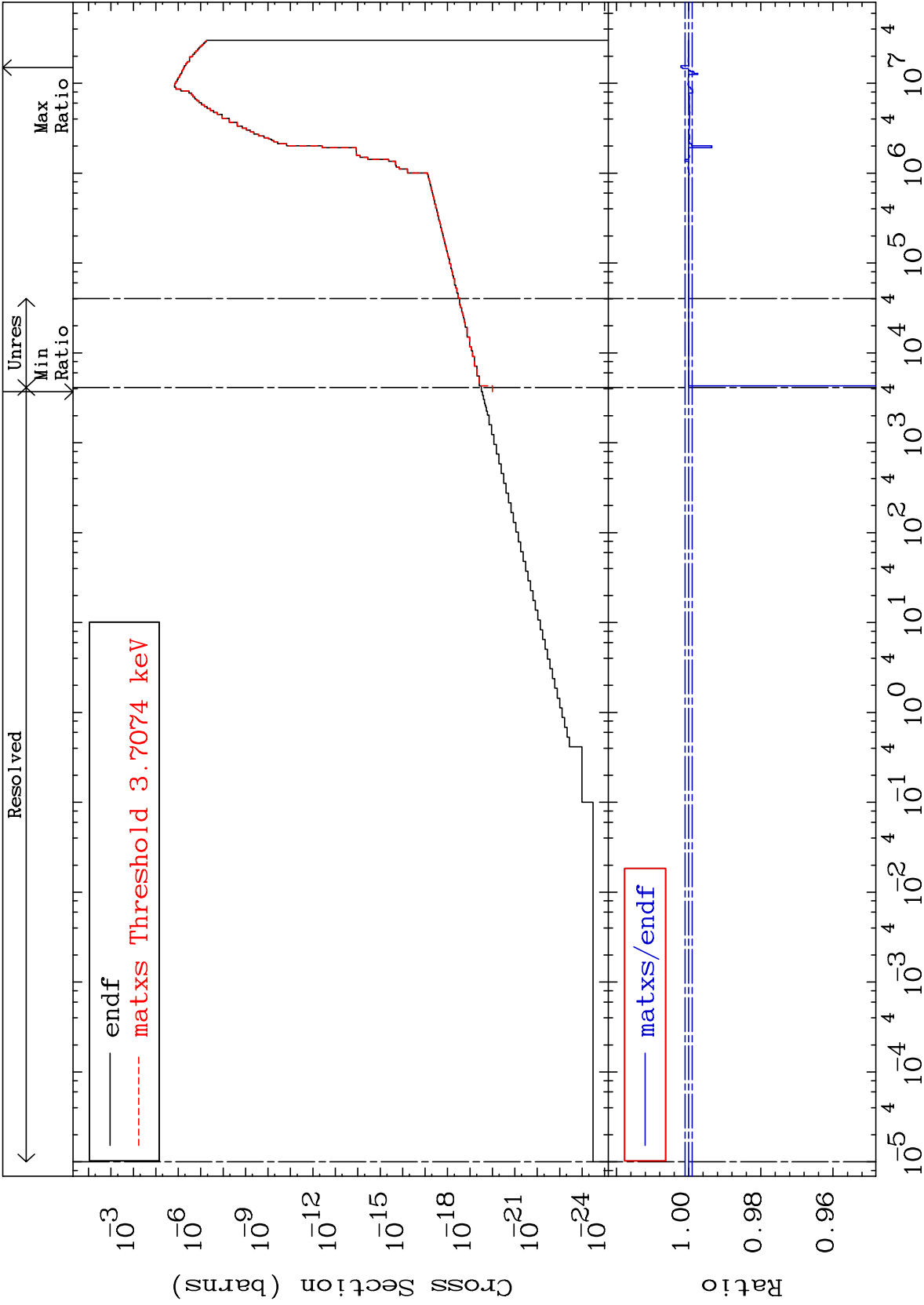
45-Rh-103
-68.08 To 0.204 %



MAT 4525

200.7 keV (n,α') Level
Cross Section

45-Rh-103
-68.07 To 0.213 %



73

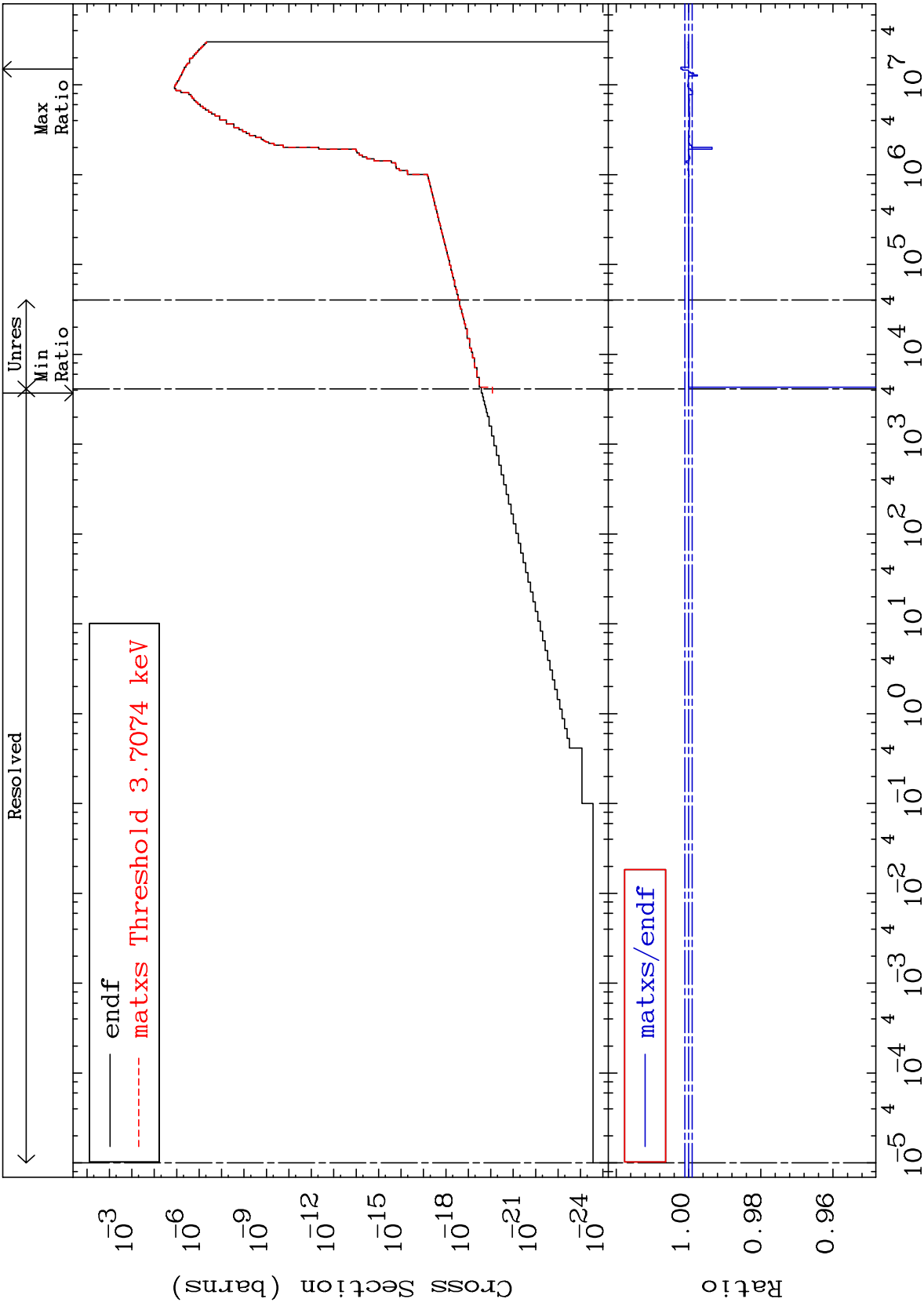
Incident Energy (eV)

45-Rh-103

MAT 4525

223.5 keV (n,α') Level
Cross Section

45-Rh-103
-68.07 To 0.211 %



74

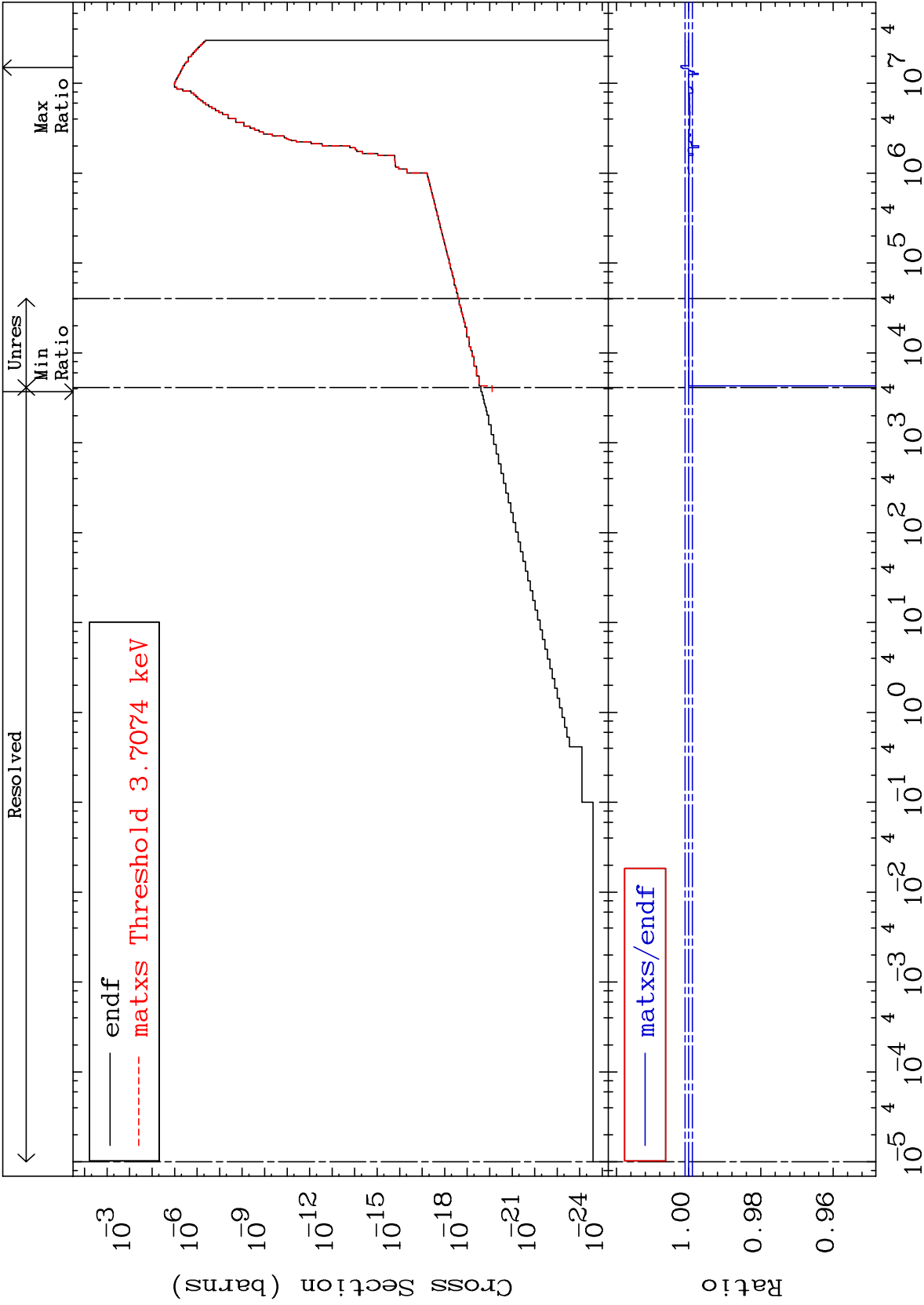
Incident Energy (eV)

45-Rh-103

MAT 4525

244.0 keV (n,α') Level
Cross Section

45-Rh-103
-68.07 To 0.216 %



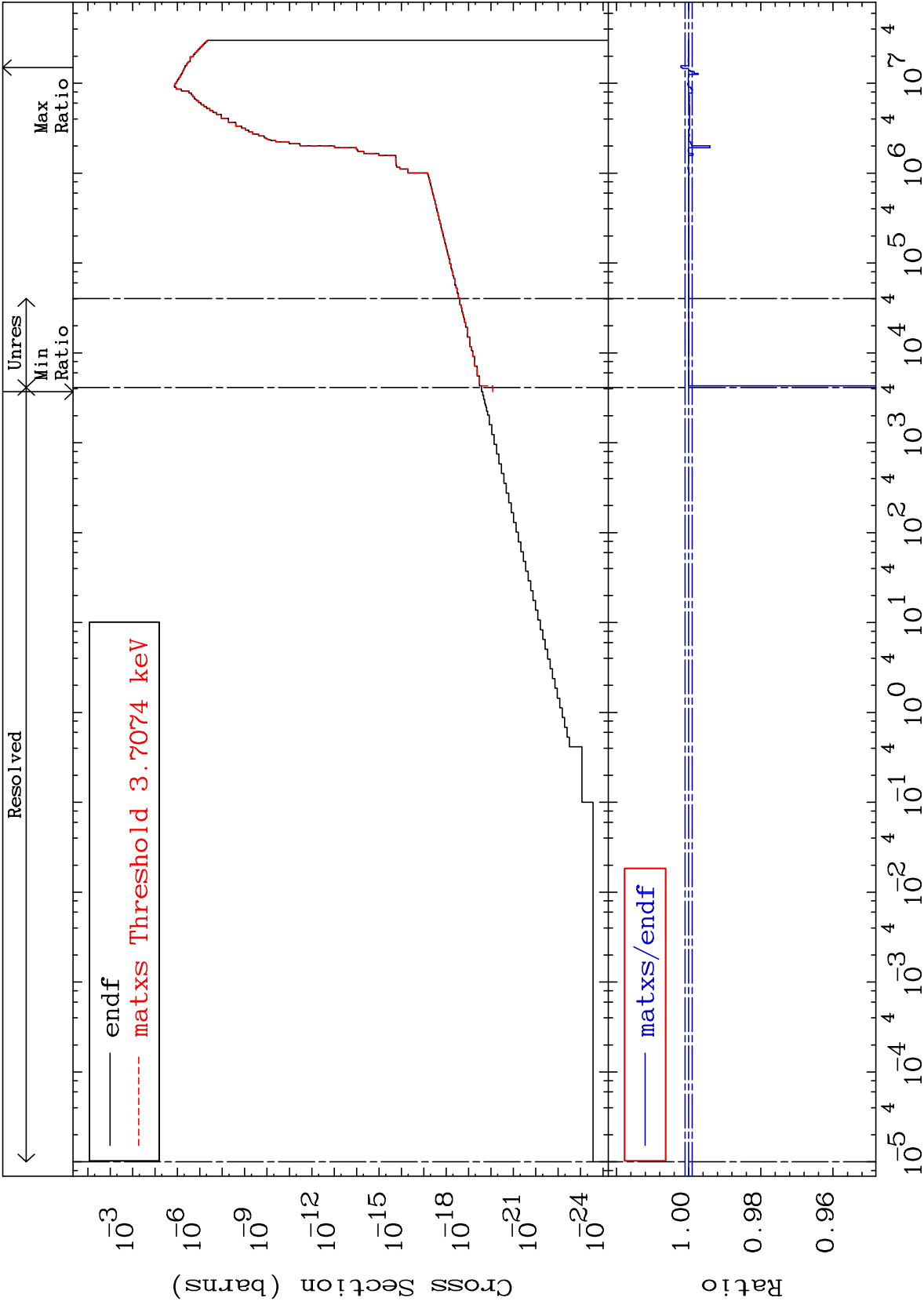
75

45-Rh-103

MAT 4525

263.6 keV (n,α') Level
Cross Section

45-Rh-103
-68.07 To 0.213 %



76

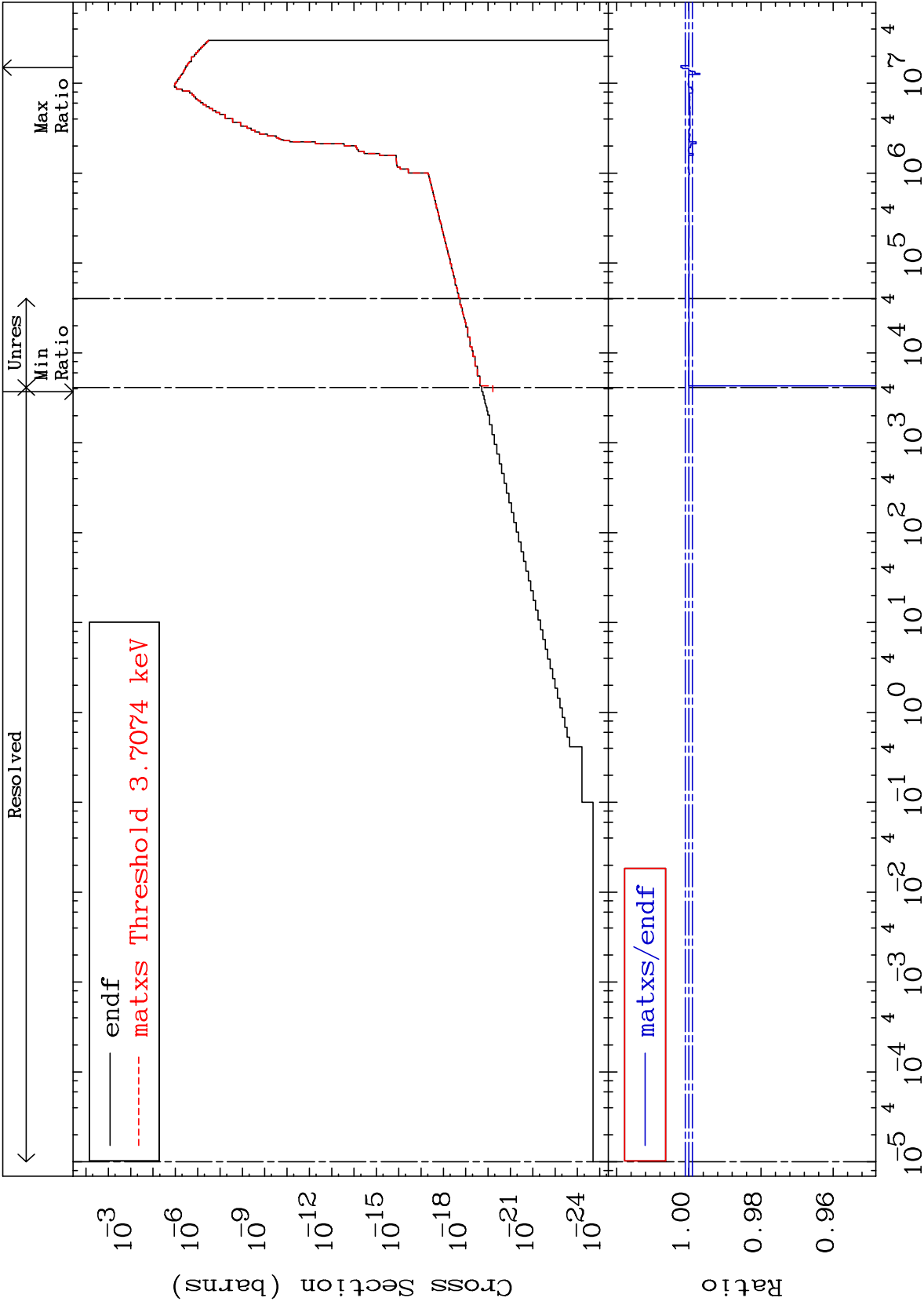
Incident Energy (eV)

45-Rh-103

MAT 4525

287.5 keV (n,α') Level
Cross Section

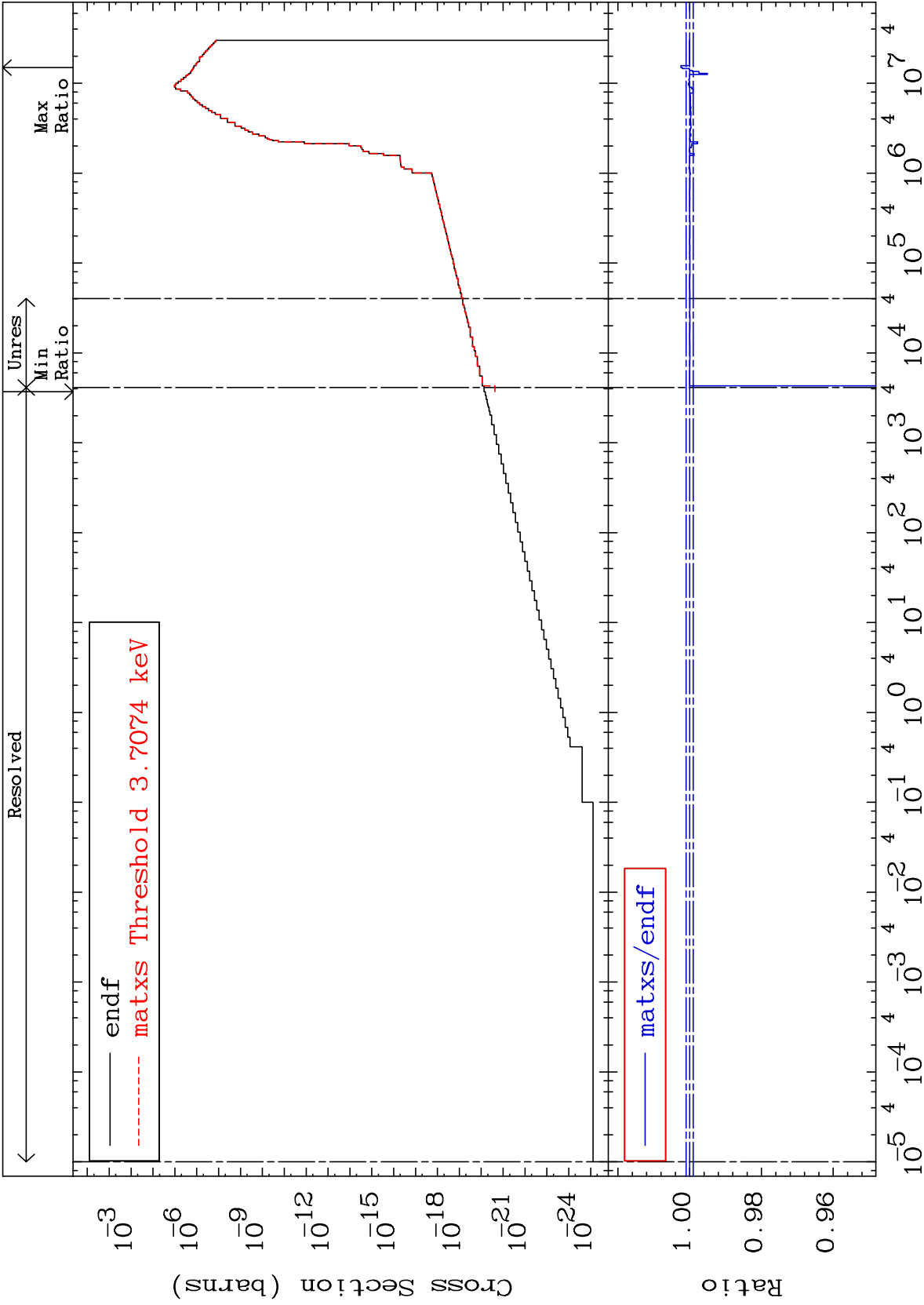
45-Rh-103
-68.07 To 0.220 %



MAT 4525

294.9 keV (n,α') Level
Cross Section

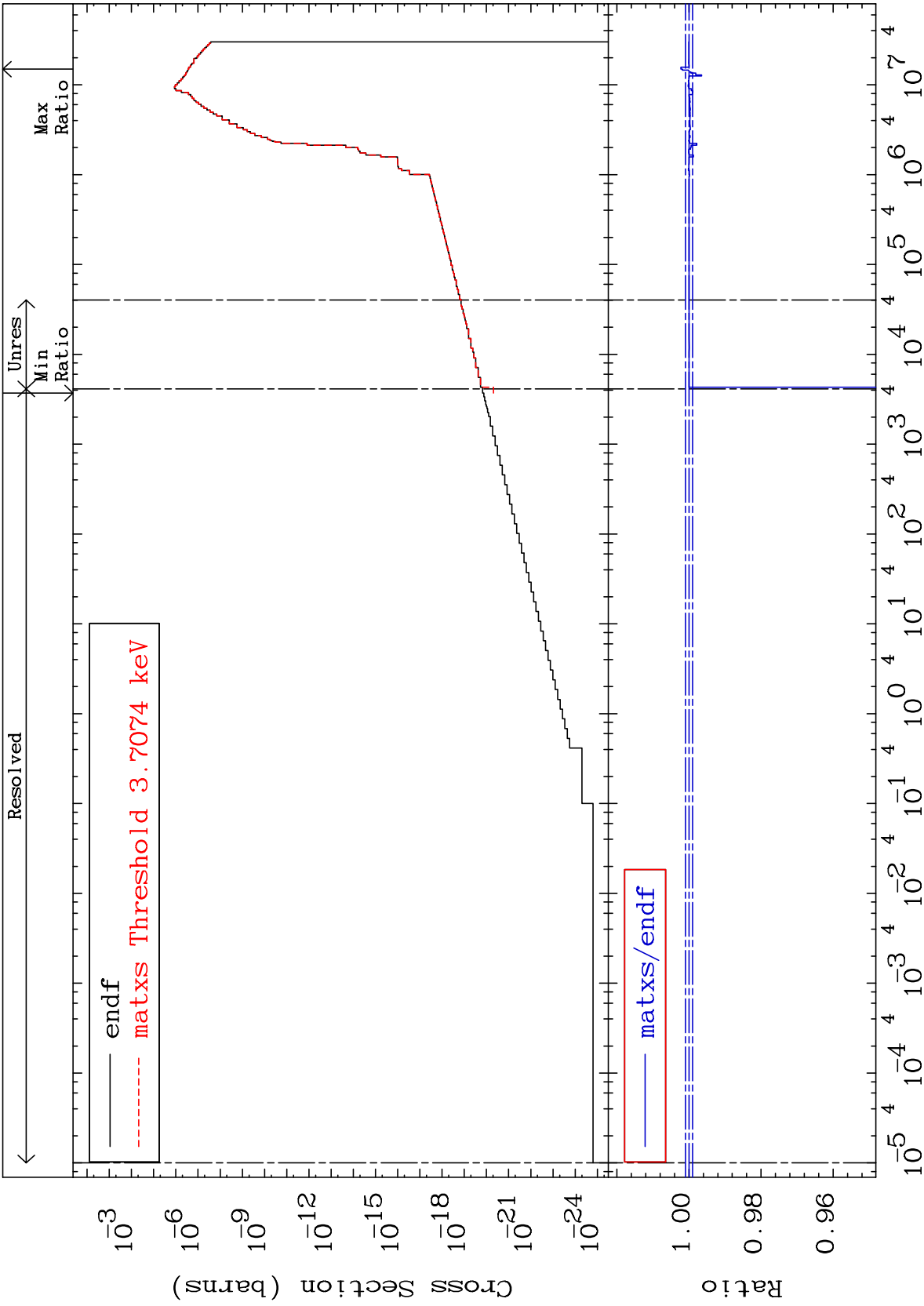
45-Rh-103
-68.07 To 0.245 %



MAT 4525

299.7 keV (n, α') Level
Cross Section

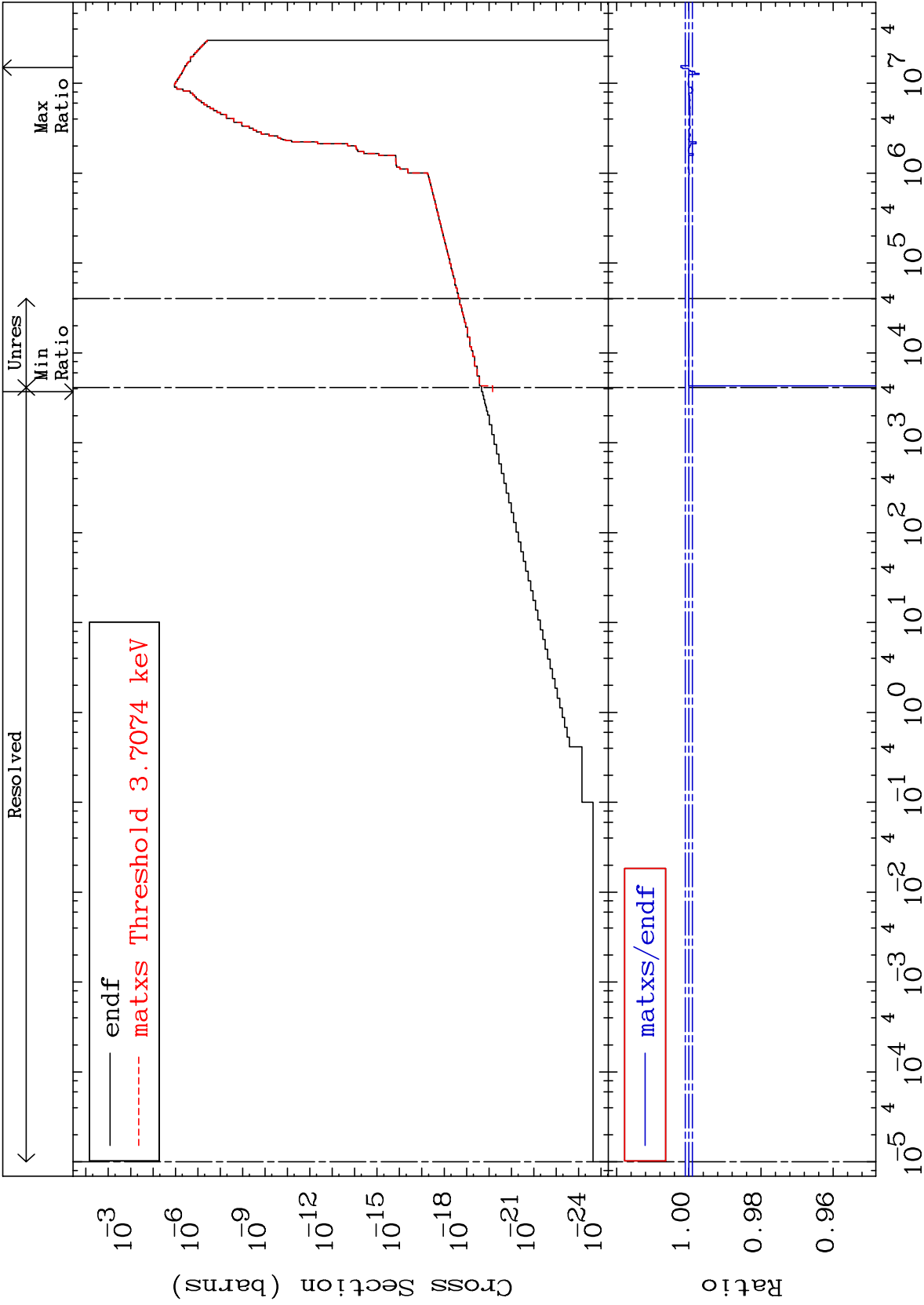
45-Rh-103
-68.07 To 0.224 %



MAT 4525

319.5 keV (n,α') Level
Cross Section

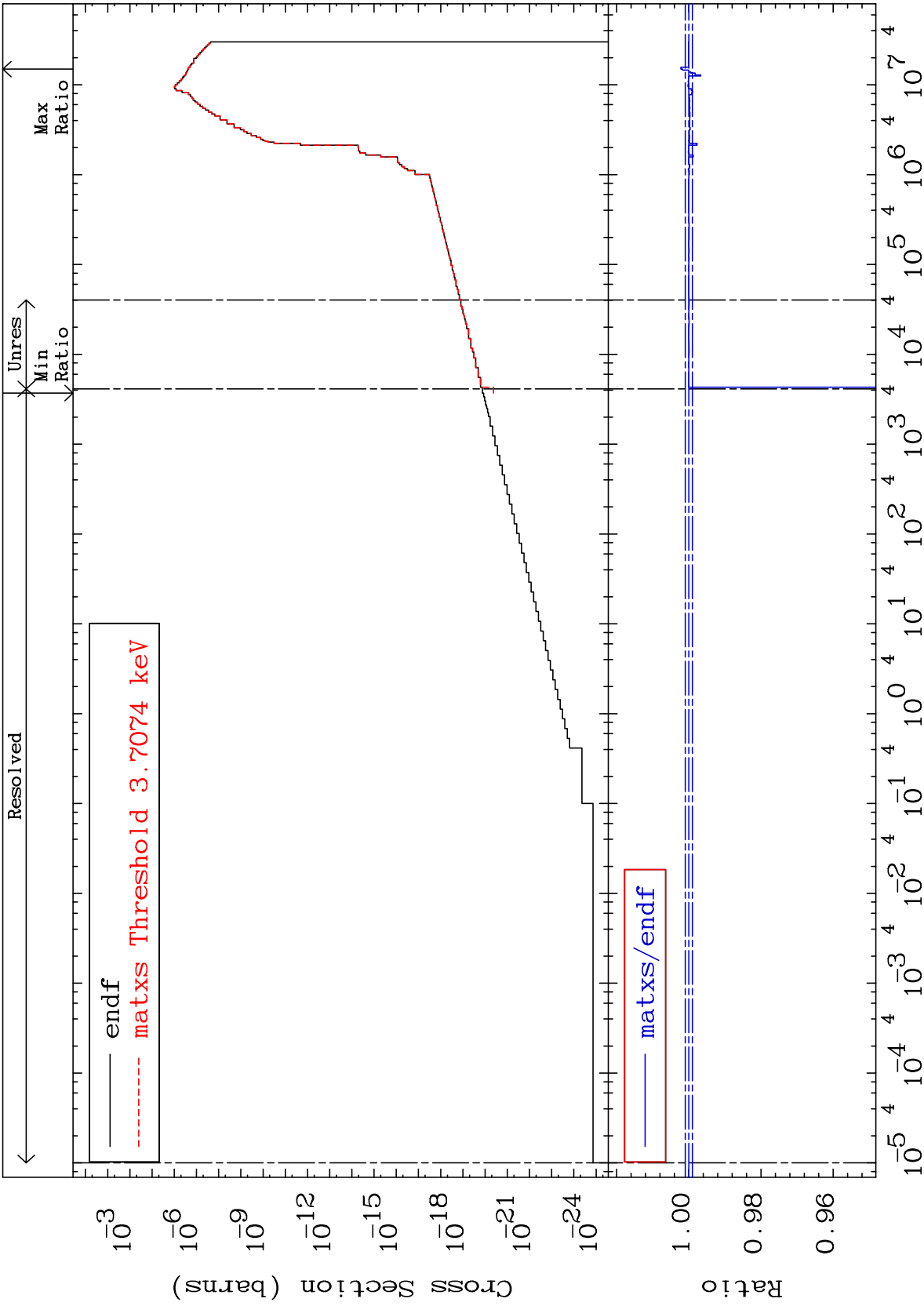
45-Rh-103
-68.07 To 0.218 %



MAT 4525

335.2 keV (n,α') Level
Cross Section

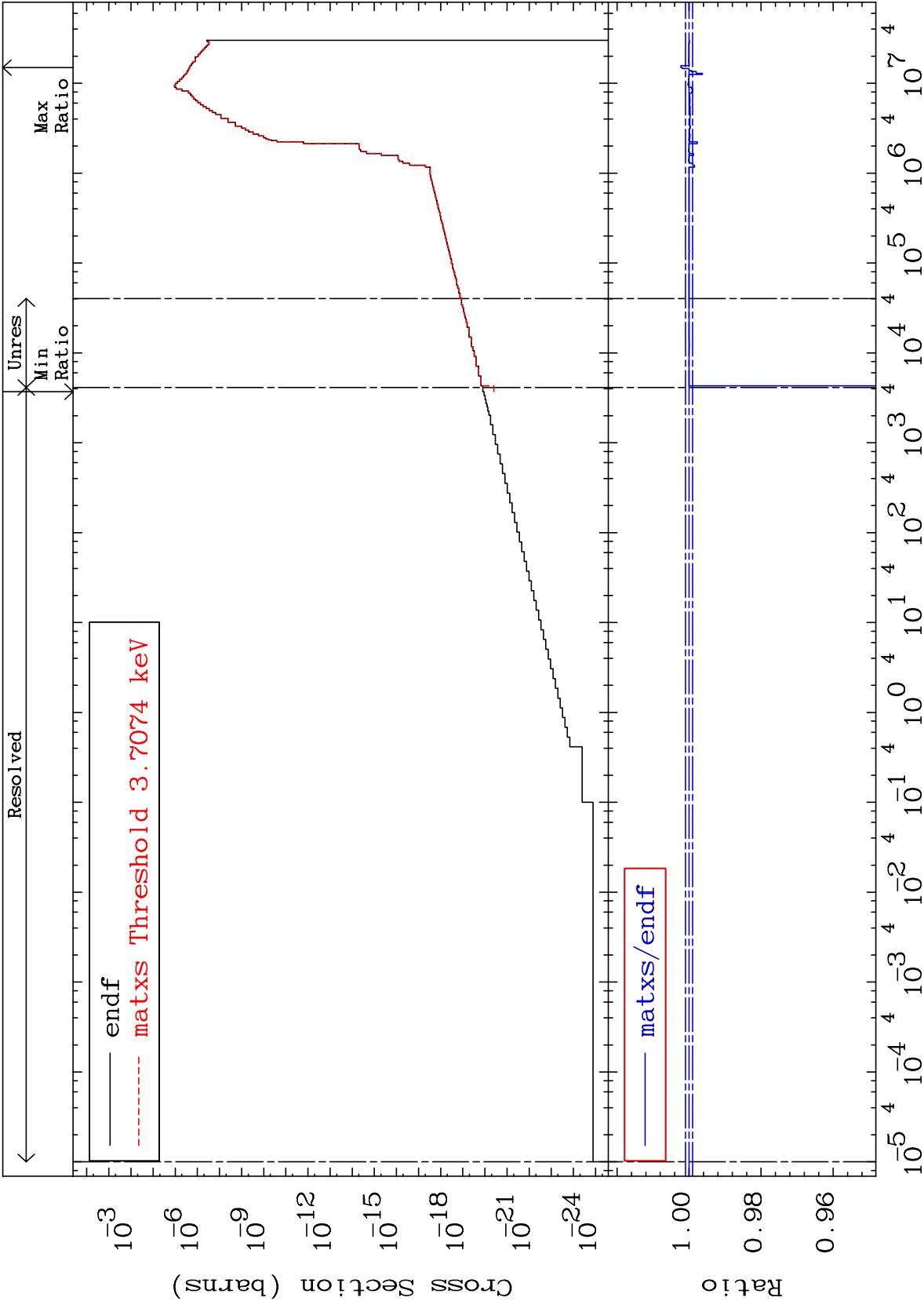
45-Rh-103
-68.07 To 0.220 %



MAT 4525

341.0 keV (n,α') Level
Cross Section

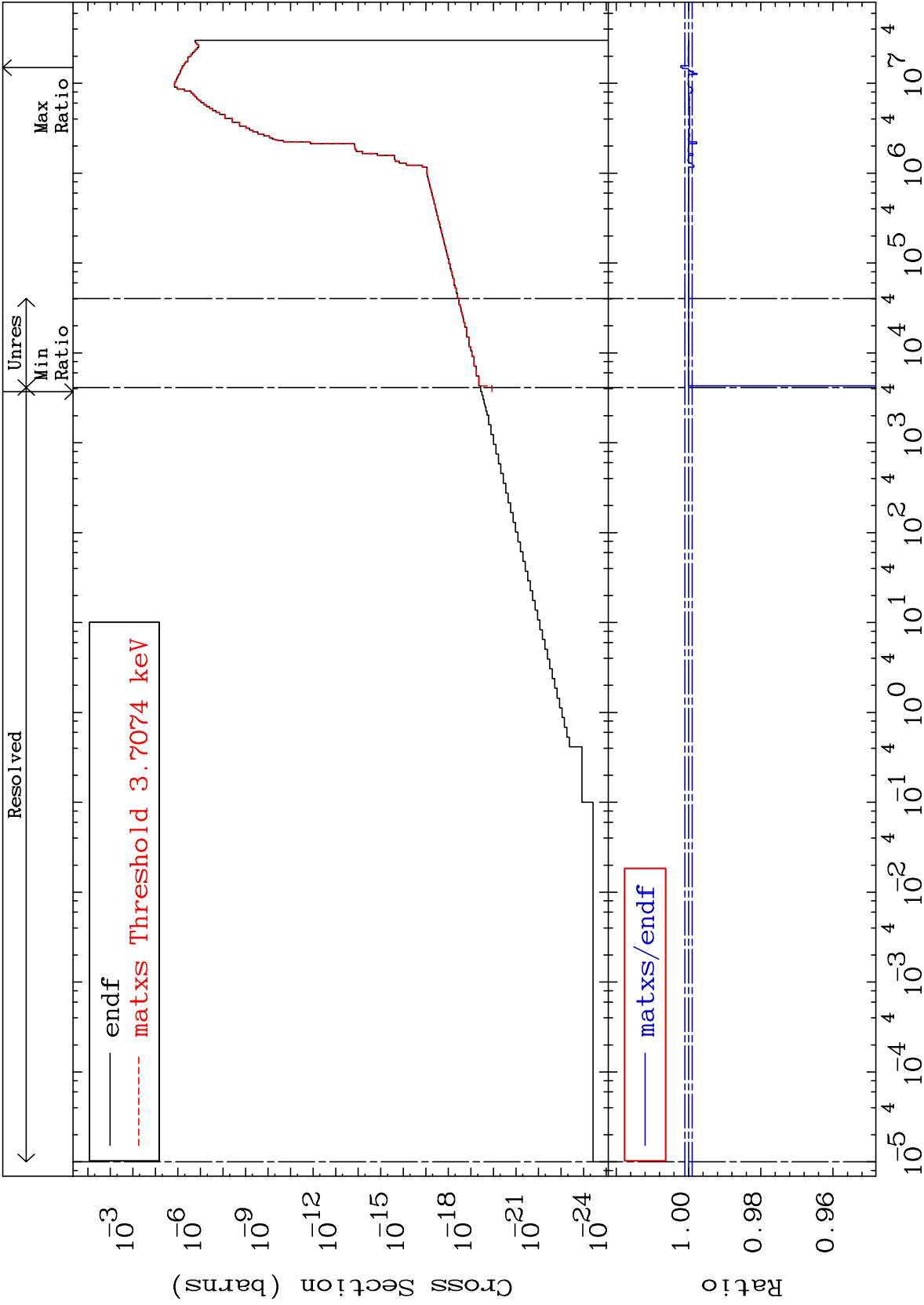
45-Rh-103
-68.07 To 0.226 %



MAT 4525

355.5 keV (n,α') Level
Cross Section

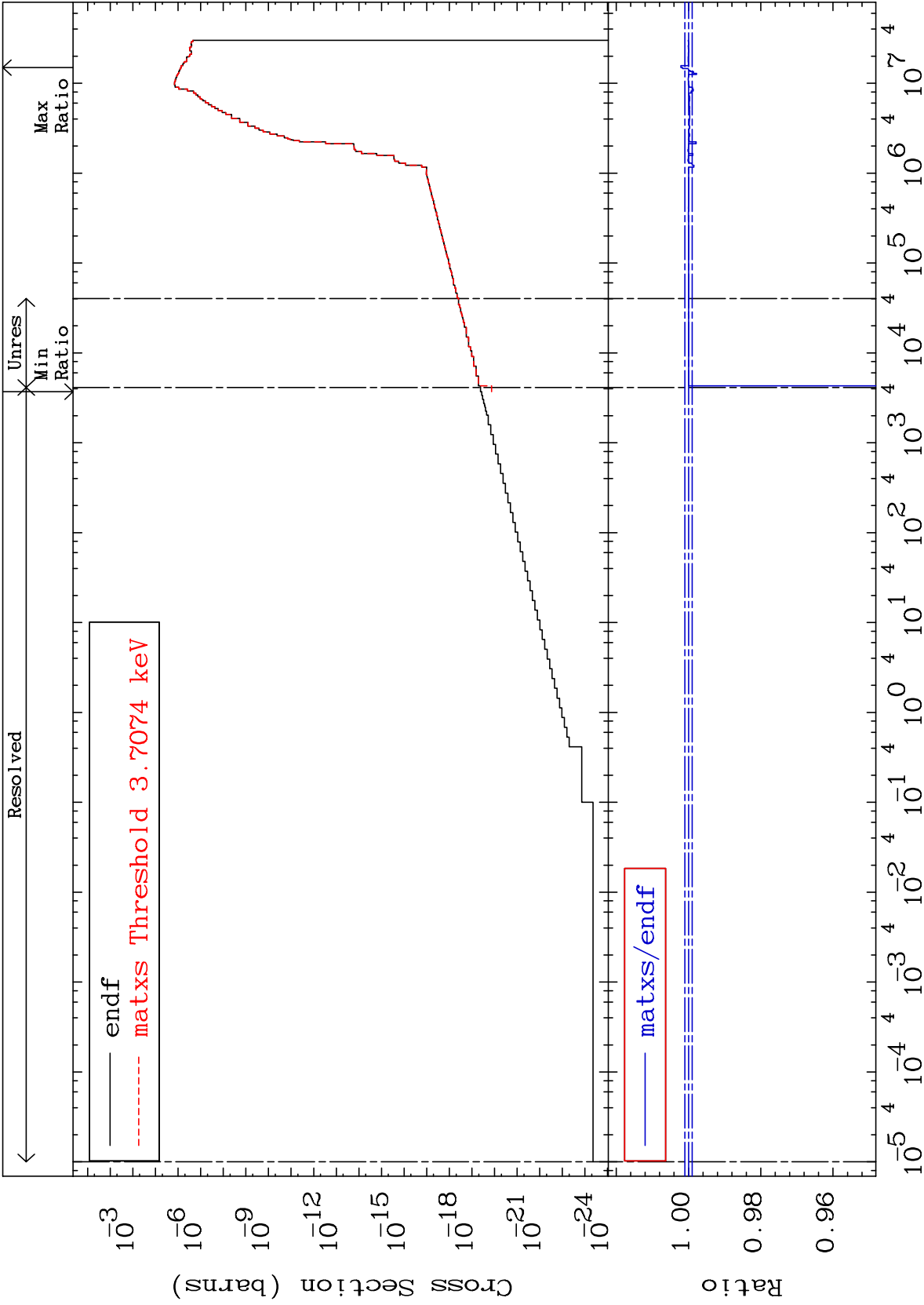
45-Rh-103
-68.07 To 0.210 %



MAT 4525

400.6 keV (n,α') Level
Cross Section

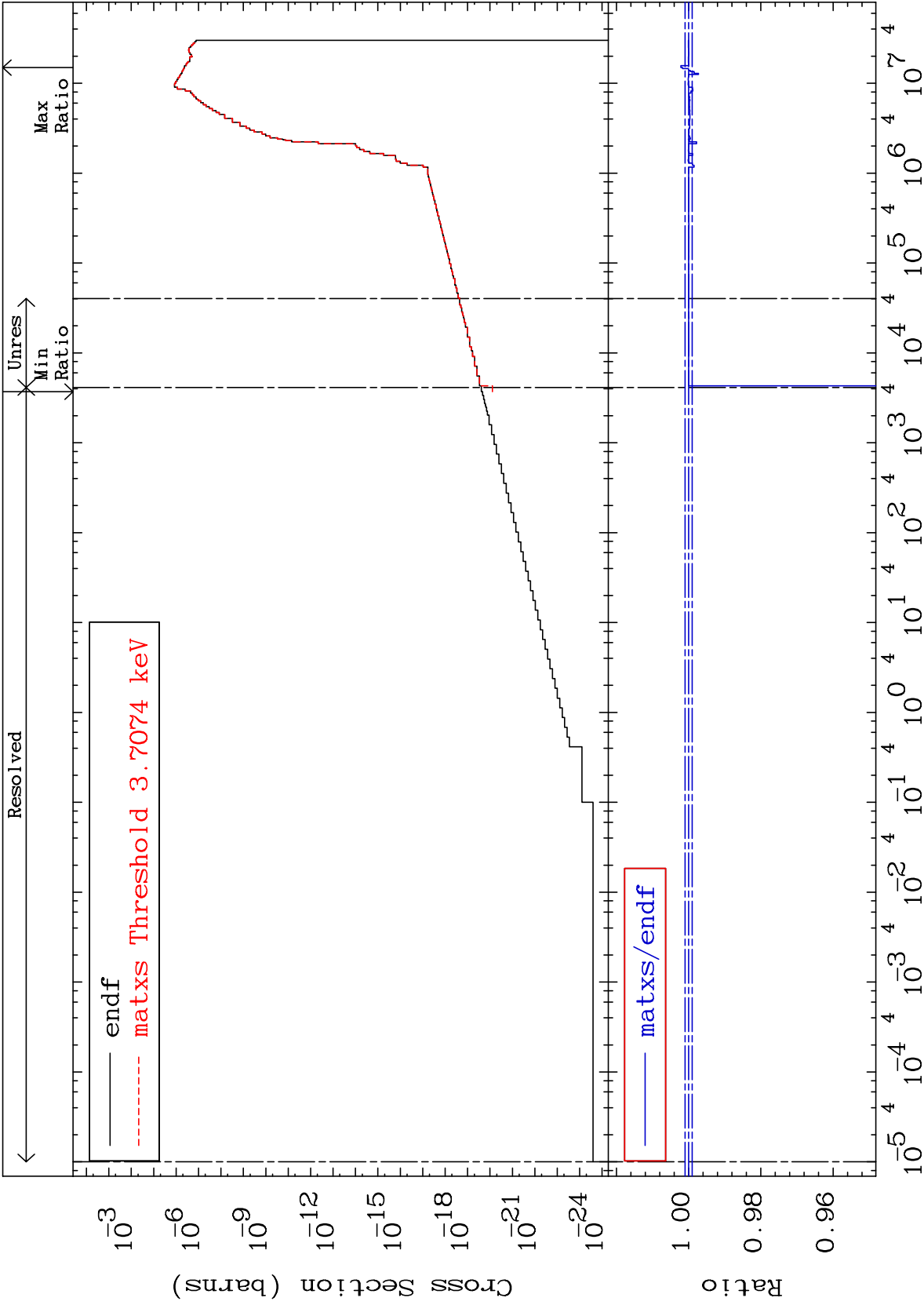
45-Rh-103
-68.07 To 0.210 %



MAT 4525

424.4 keV (n, α') Level
Cross Section

45-Rh-103
-68.07 To 0.214 %



85

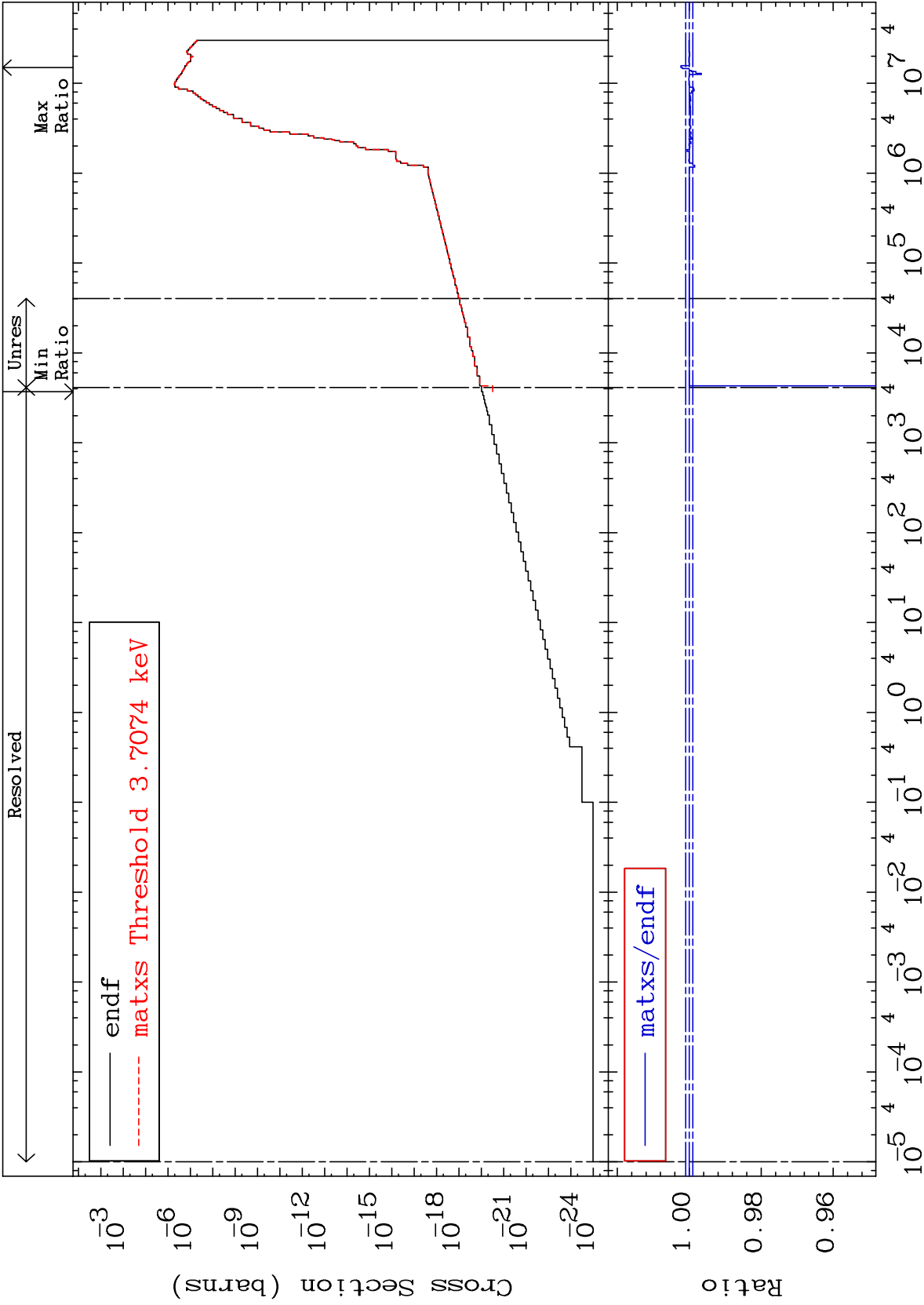
Incident Energy (eV)

45-Rh-103

MAT 4525

440.4 keV (n, α') Level
Cross Section

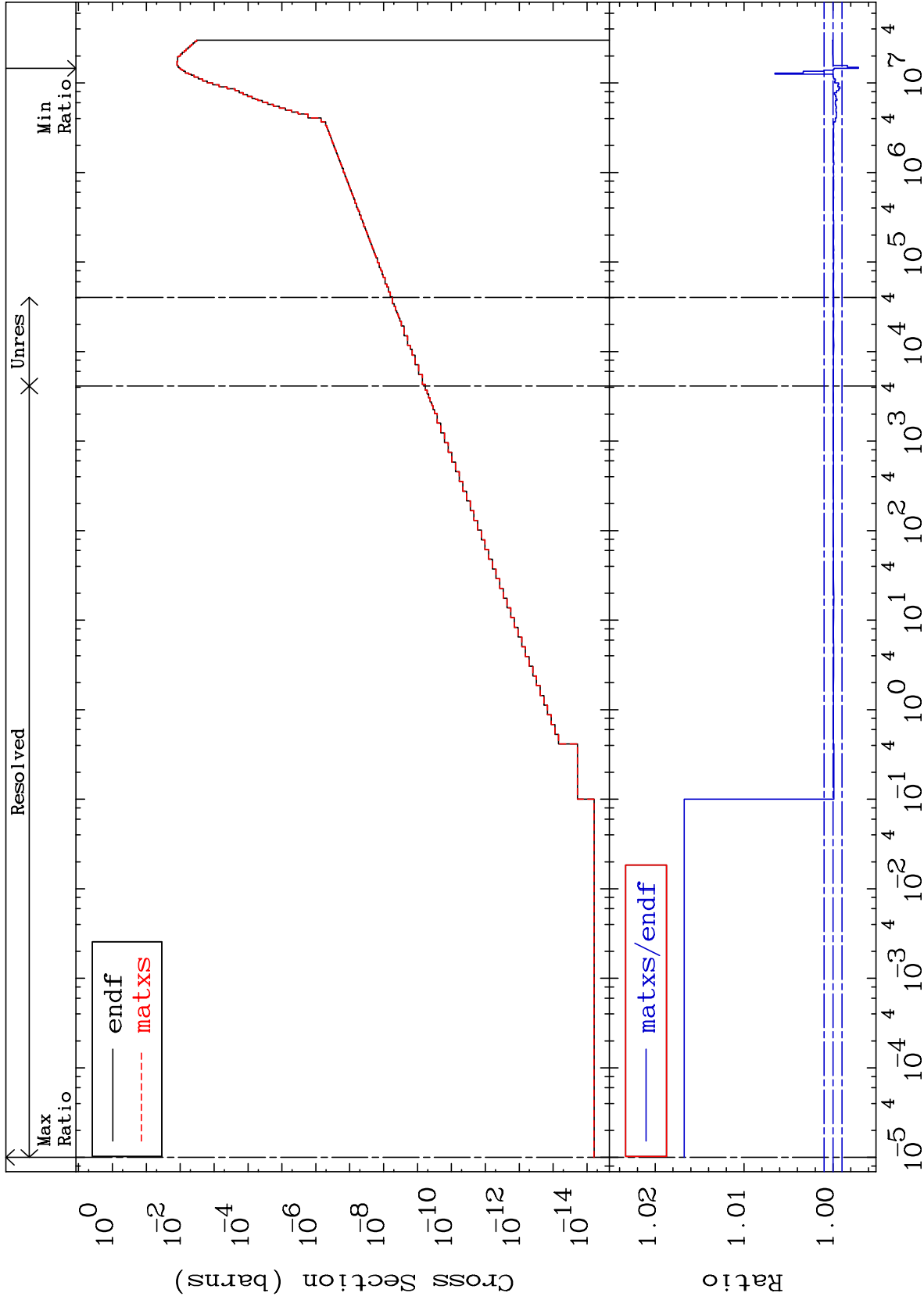
45-Rh-103
-68.07 To 0.231 %



MAT 4525

440.4 keV (n, α') Level
Cross Section

45-Rh-103
-0.285 To 1.675 %



87

45-Rh-103