

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

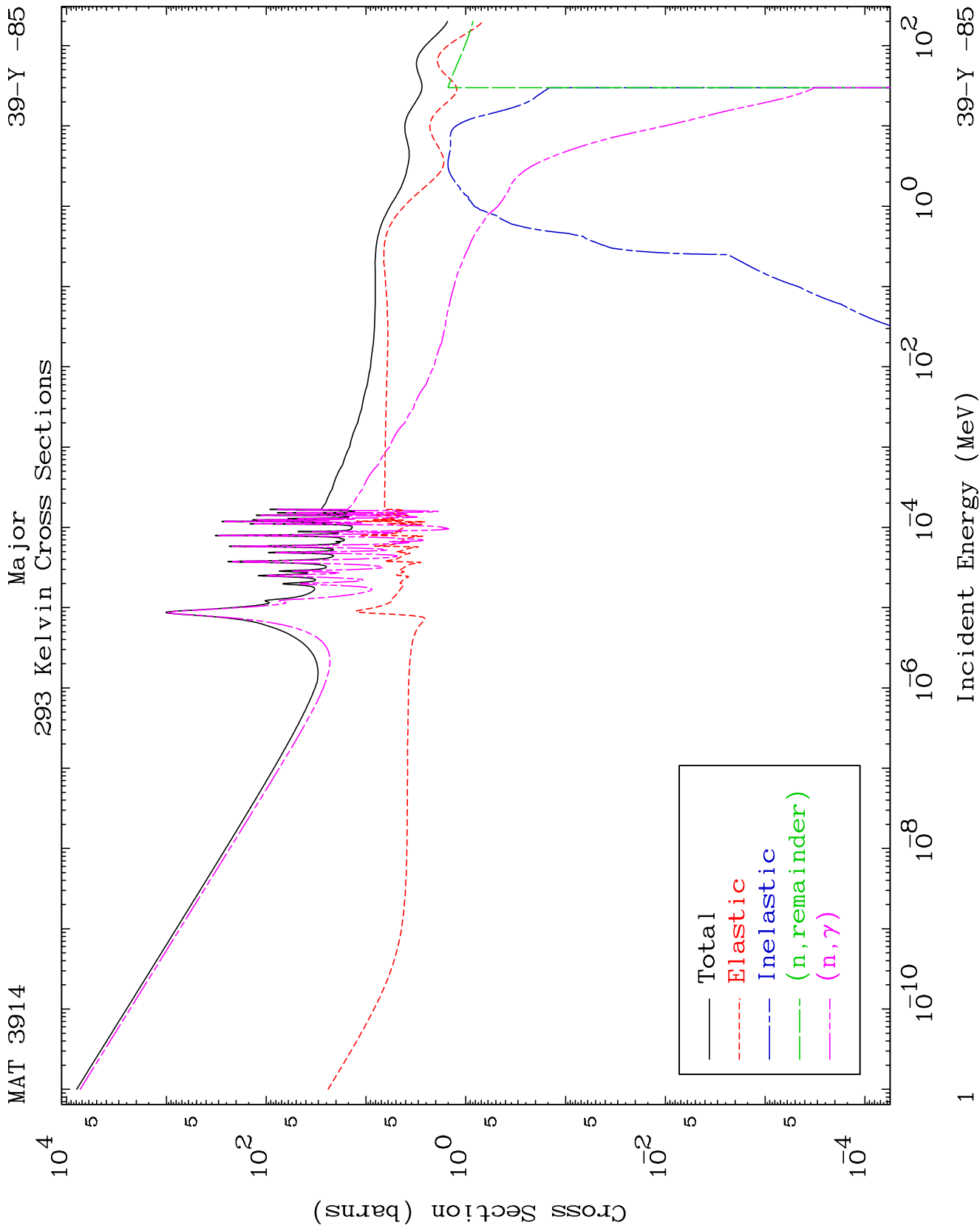
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

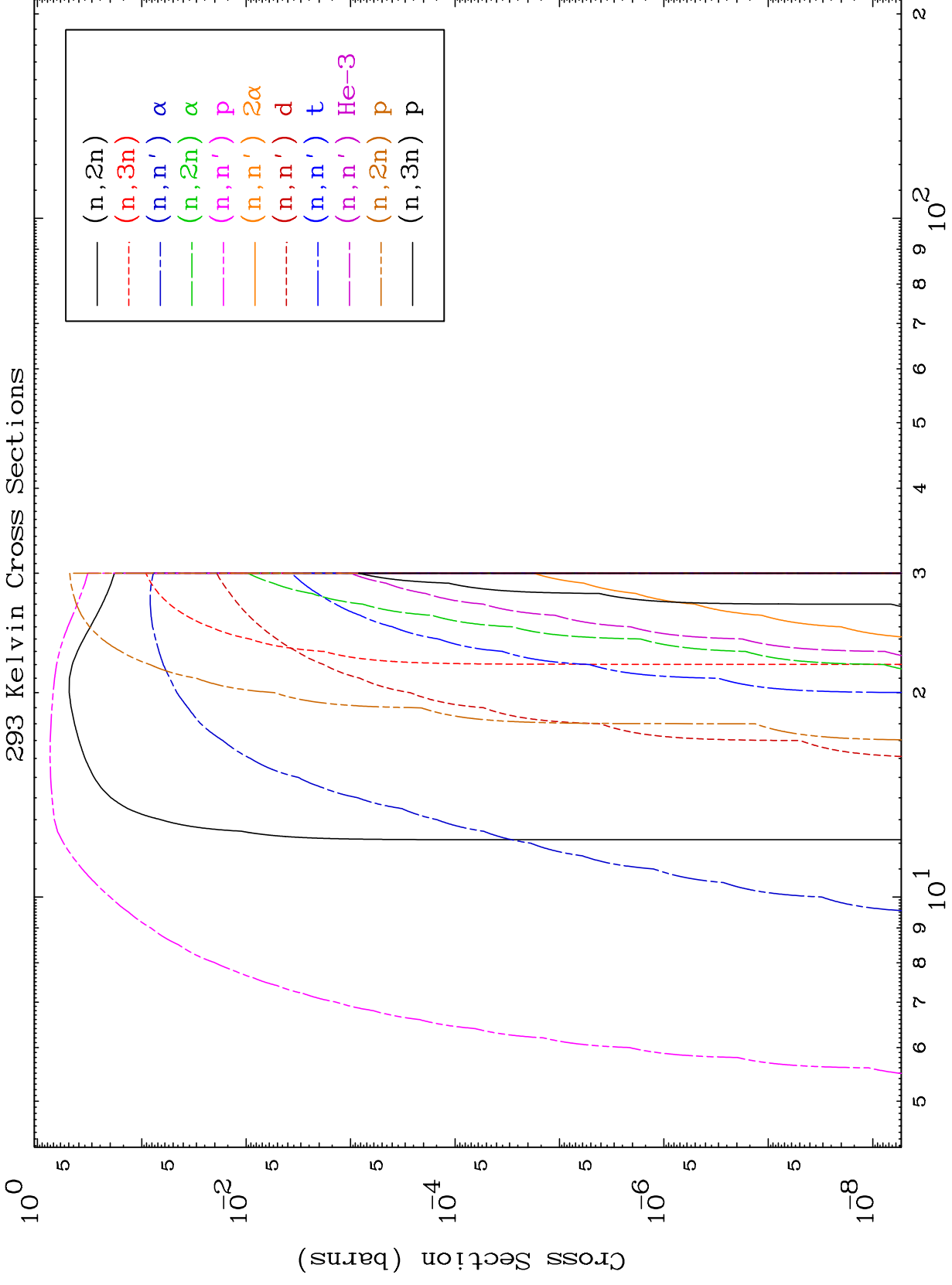
Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

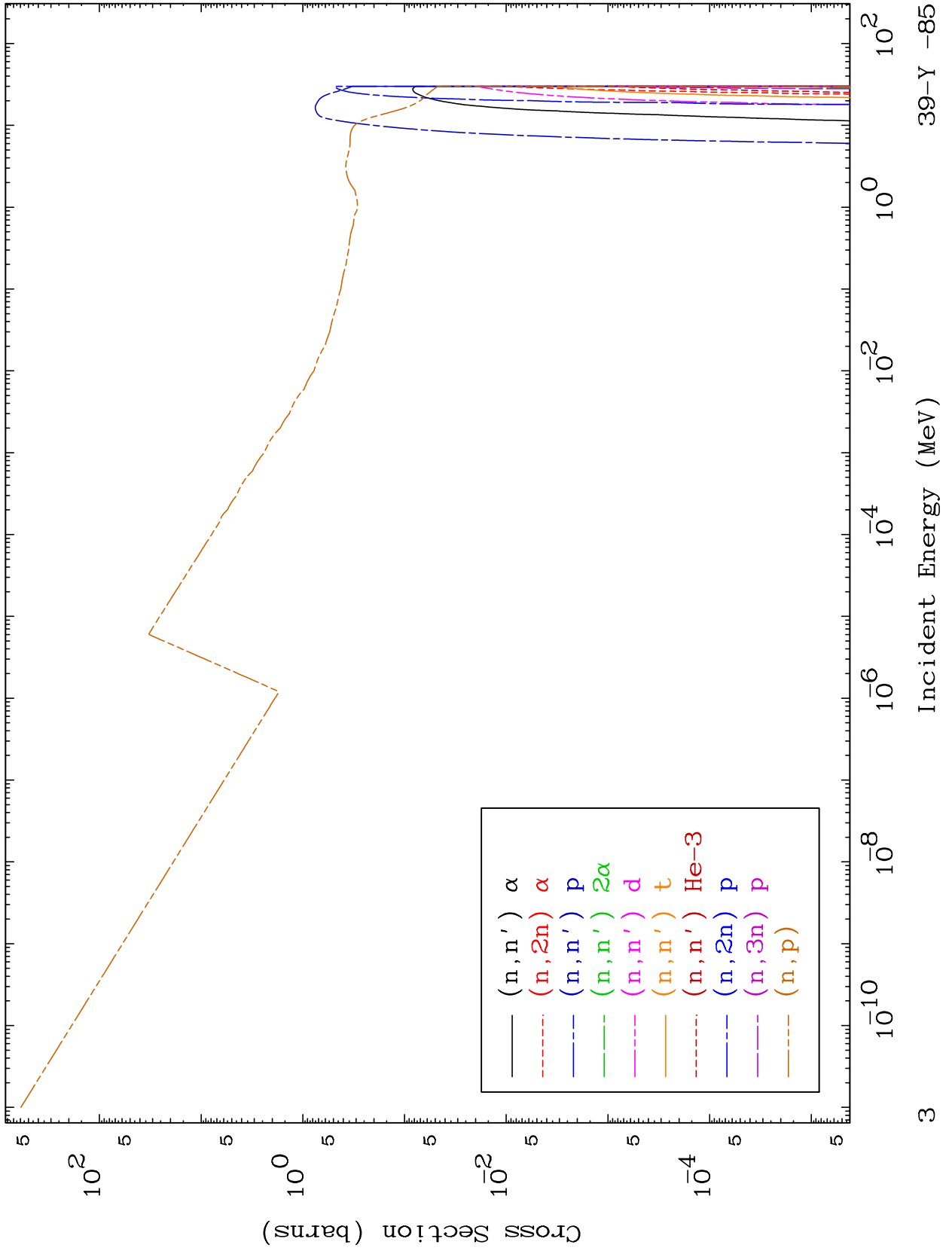




MAT 3914

Charged Particle  
293 Kelvin Cross Sections

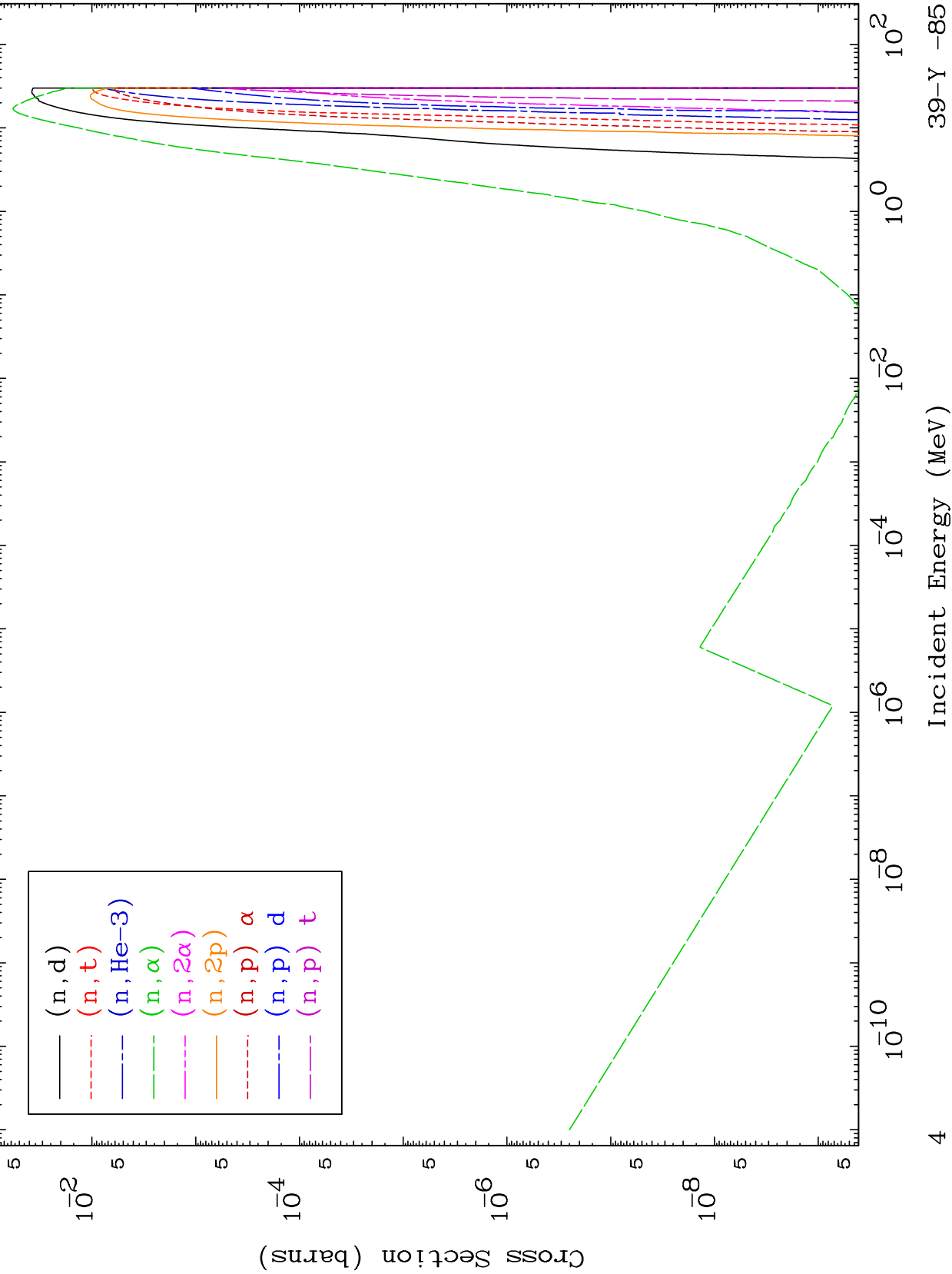
39-Y -85



MAT 3914

Charged Particle  
293 Kelvin Cross Sections

39-Y -85



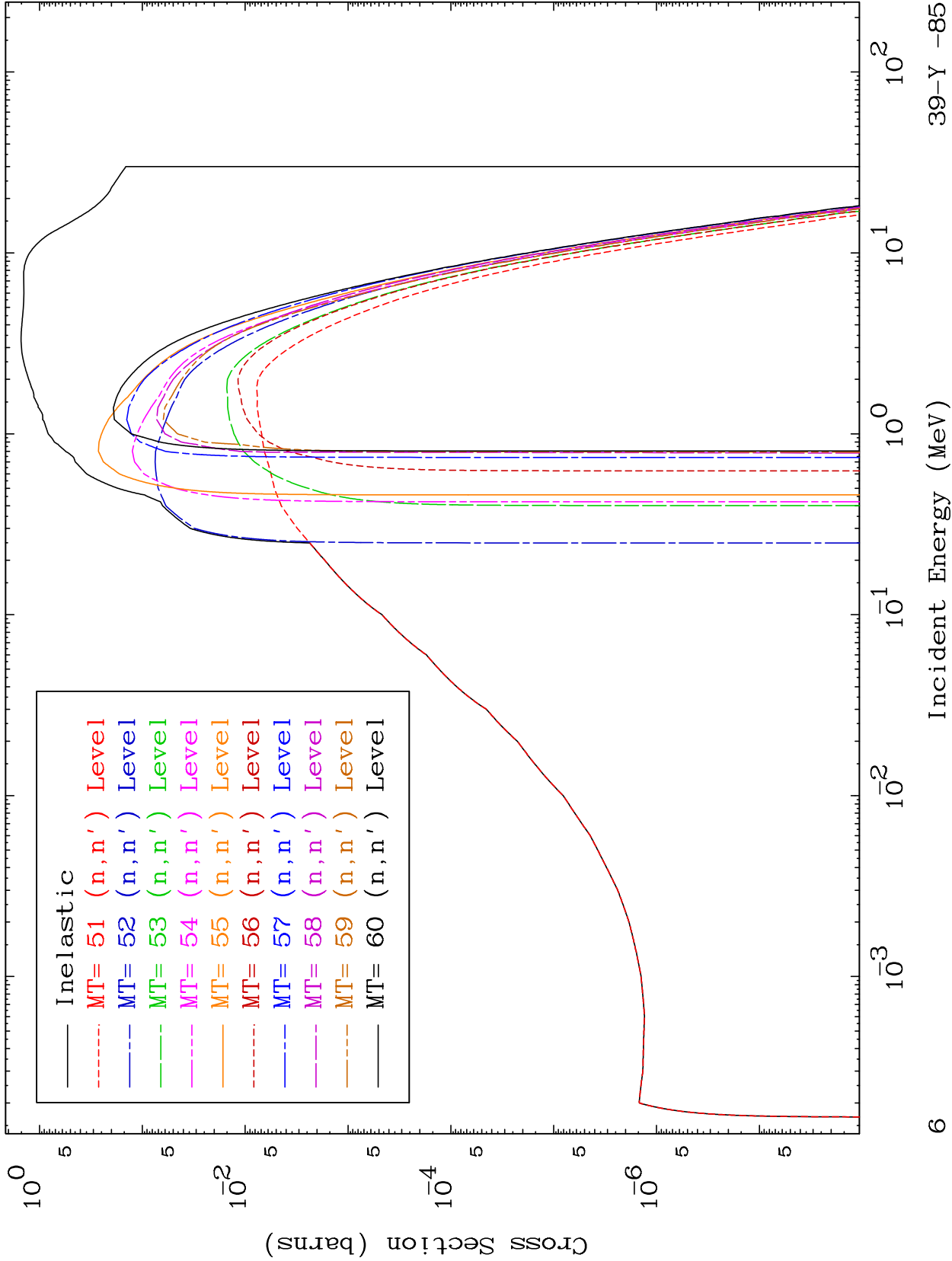


MAT 3914

(n,n') Level

39-Y -85

293 Kelvin Cross Sections

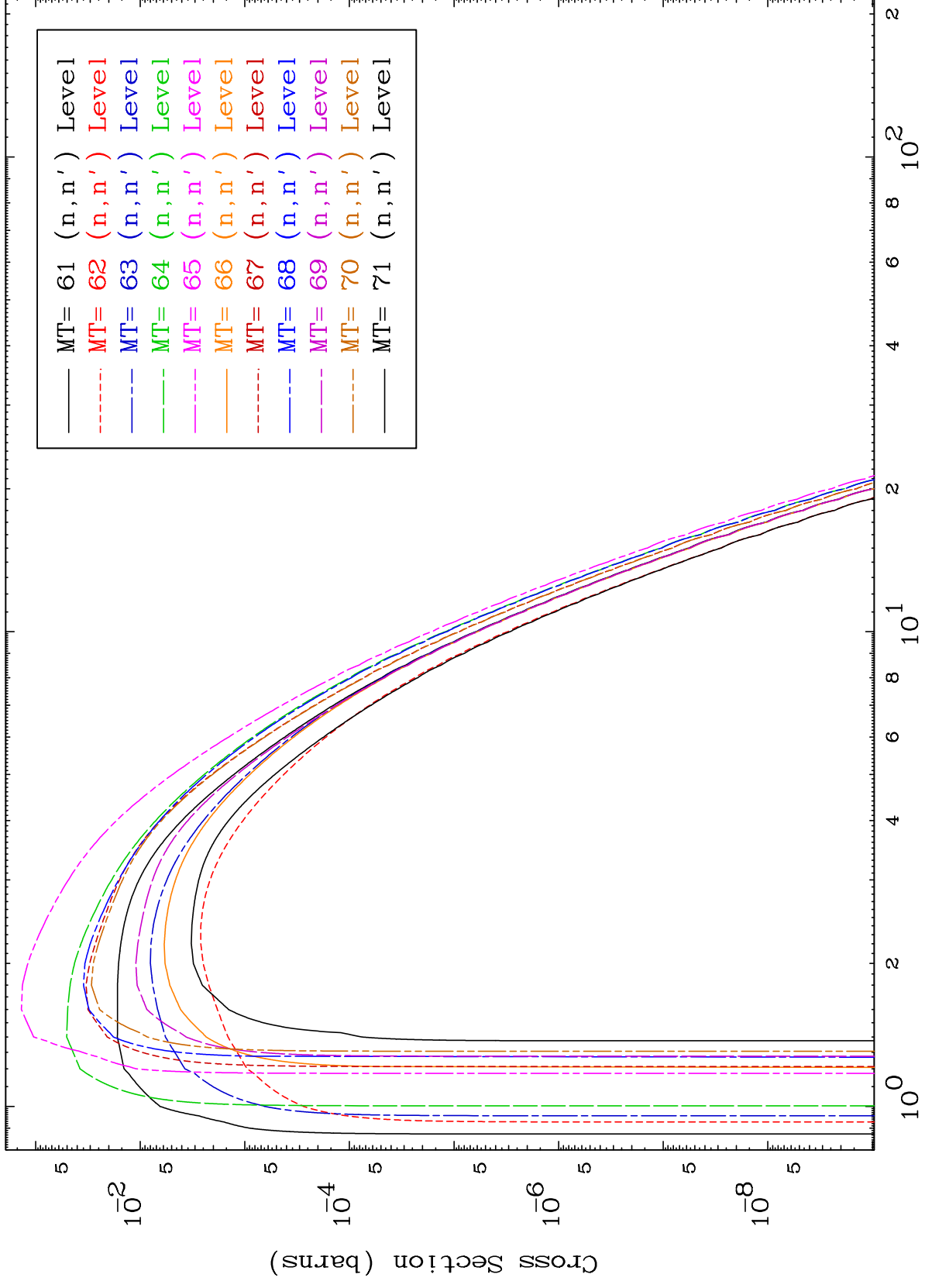


MAT 3914

(n,n') Level

39-Y -85

293 Kelvin Cross Sections



Incident Energy (MeV)

39-Y -85

7

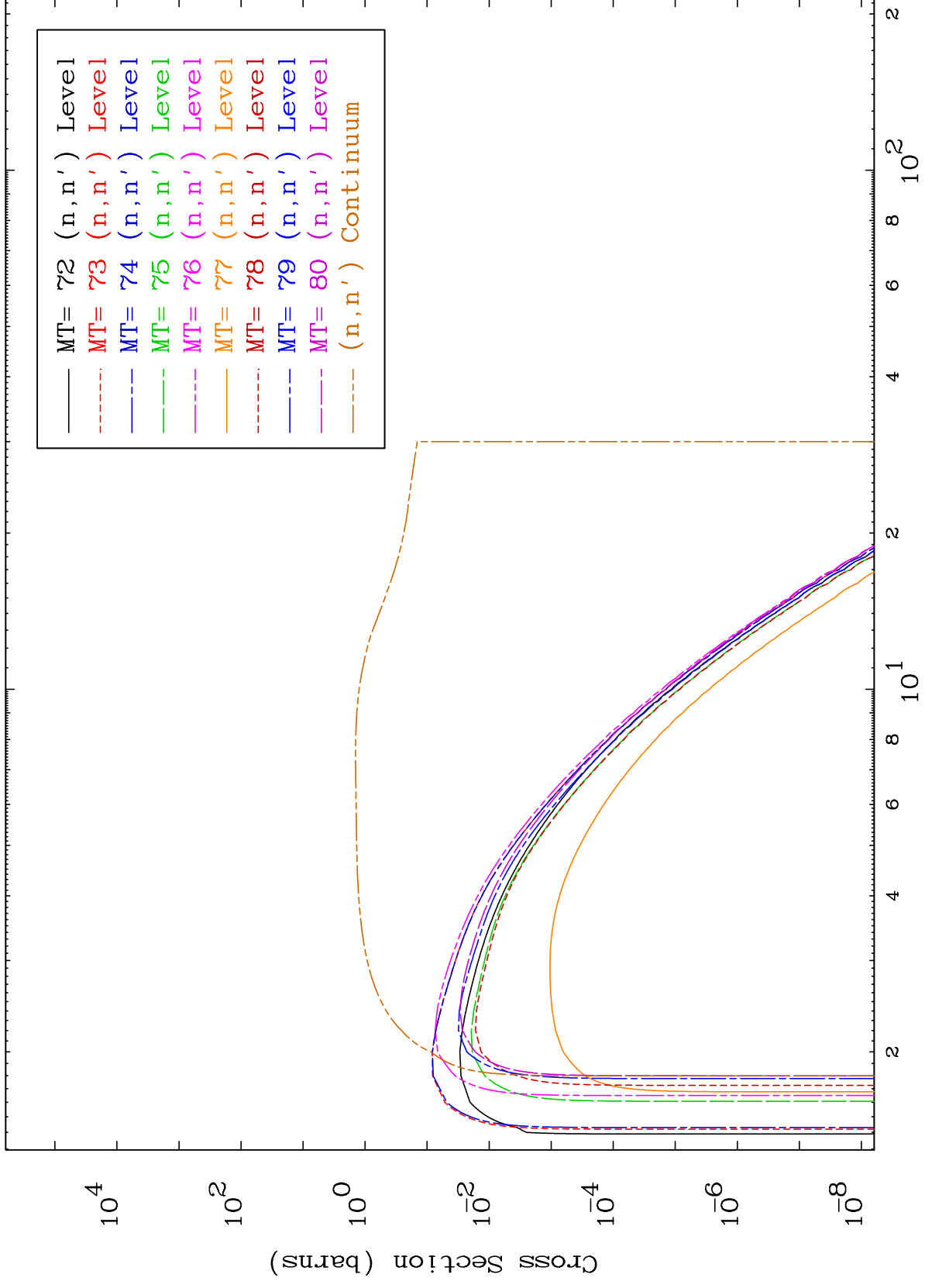


MAT 3914

(n,n') Level

39-Y -85

293 Kelvin Cross Sections



8

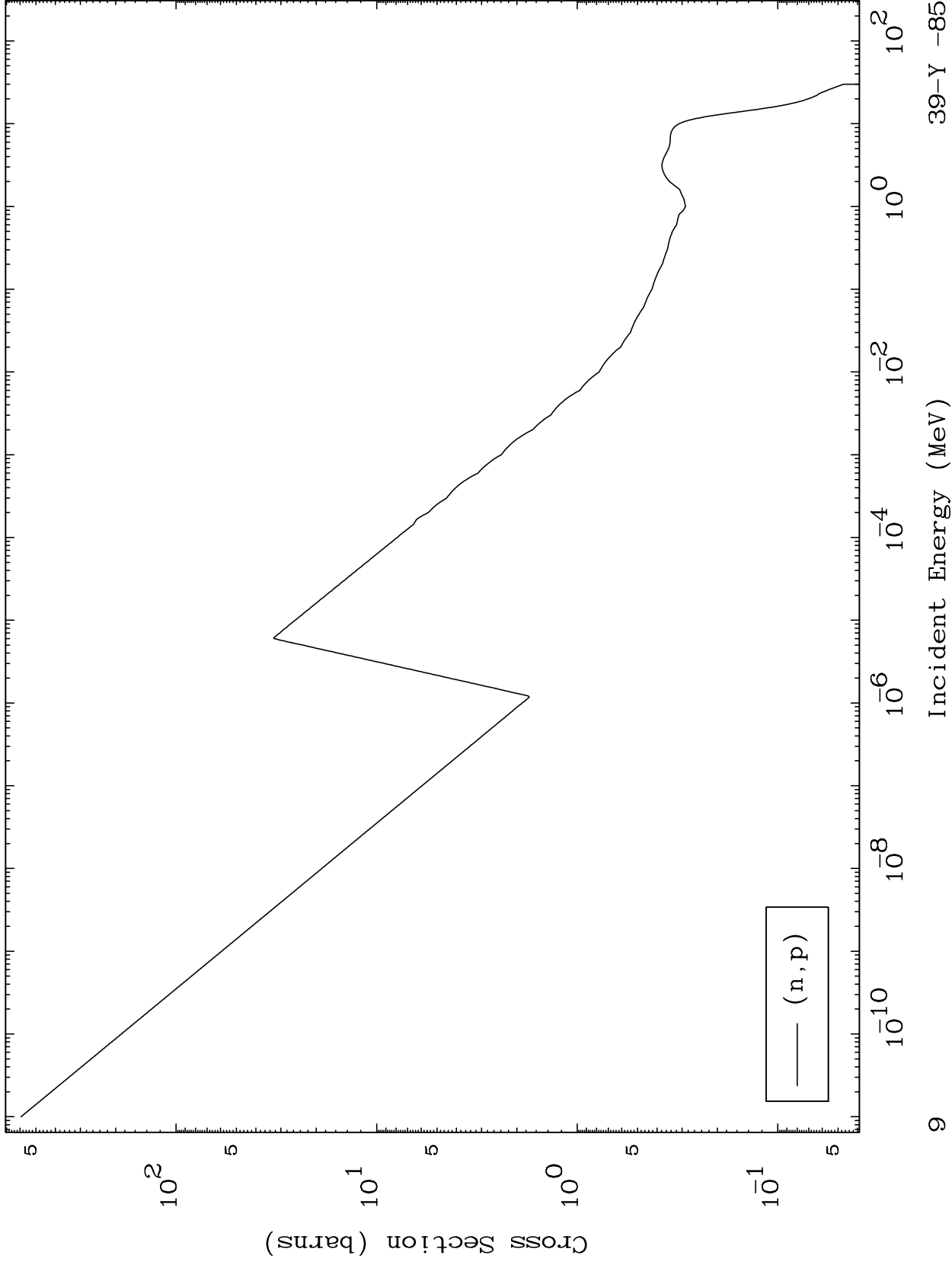
Incident Energy (MeV)

39-Y -85

MAT 3914

(n,p) Levels  
293 Kelvin Cross Sections

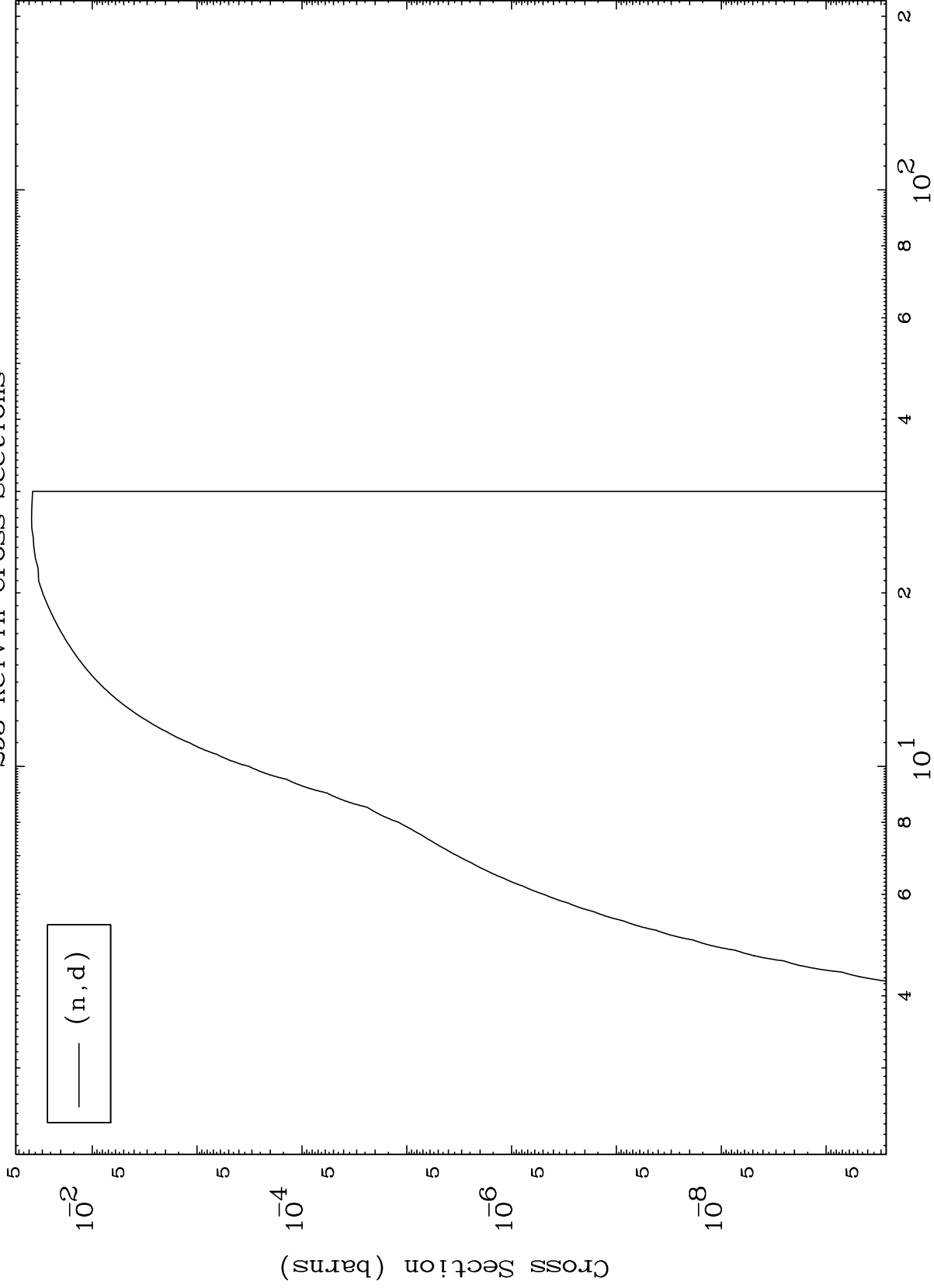
39-Y -85



MAT 3914

(n,d) Levels  
293 Kelvin Cross Sections

39-Y -85



10

Incident Energy (MeV)

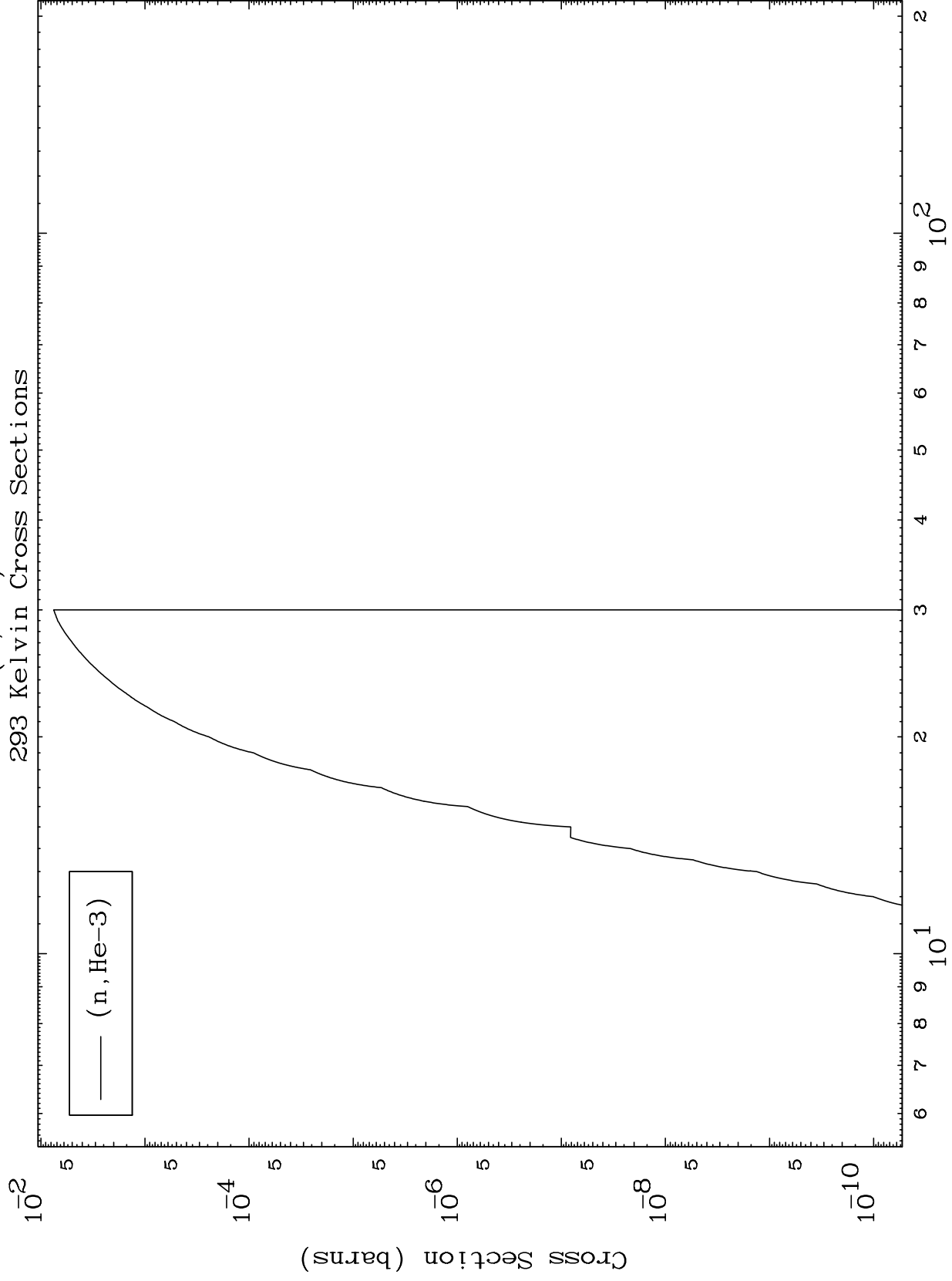
39-Y -85



MAT 3914

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -85



12

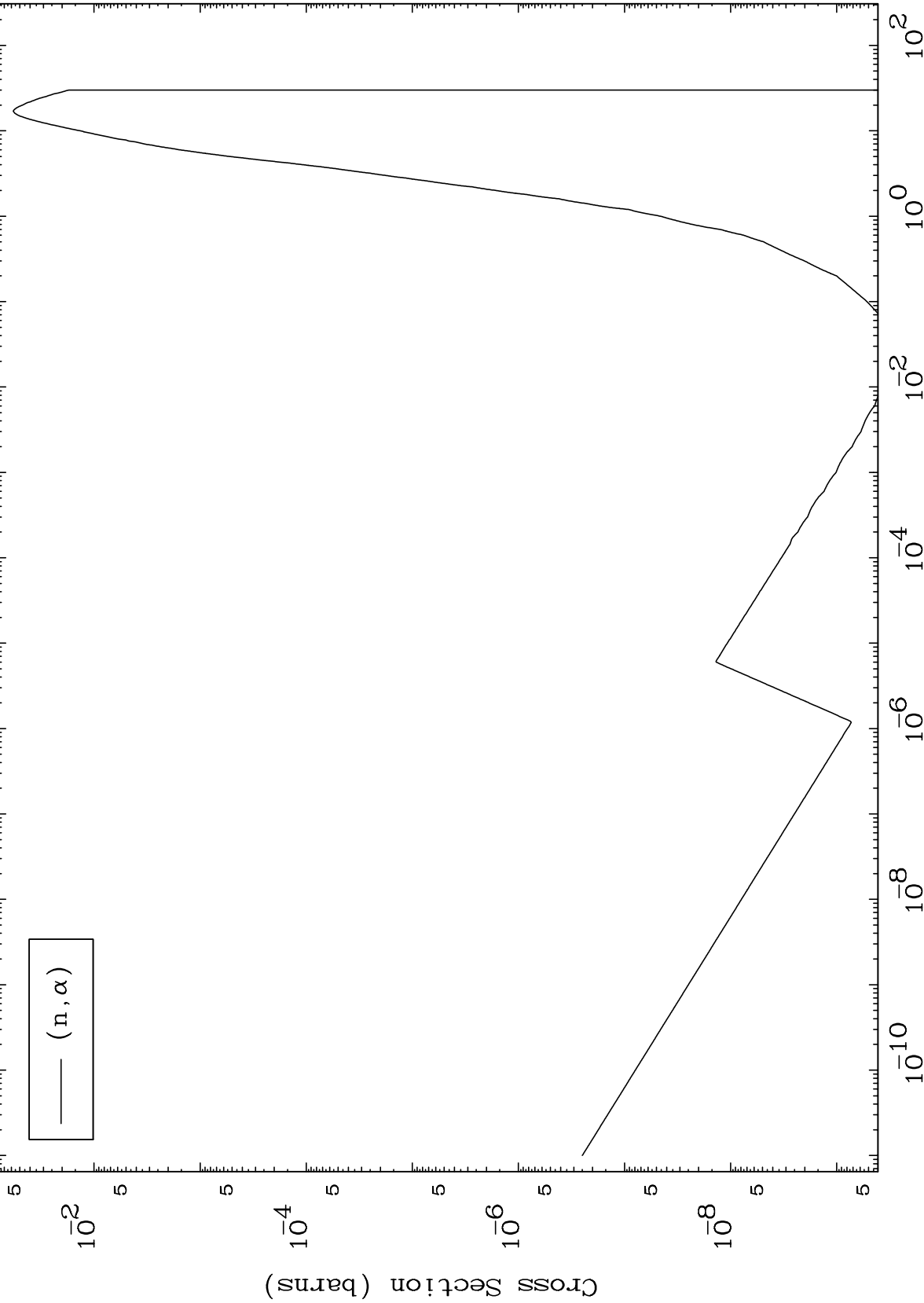
Incident Energy (MeV)

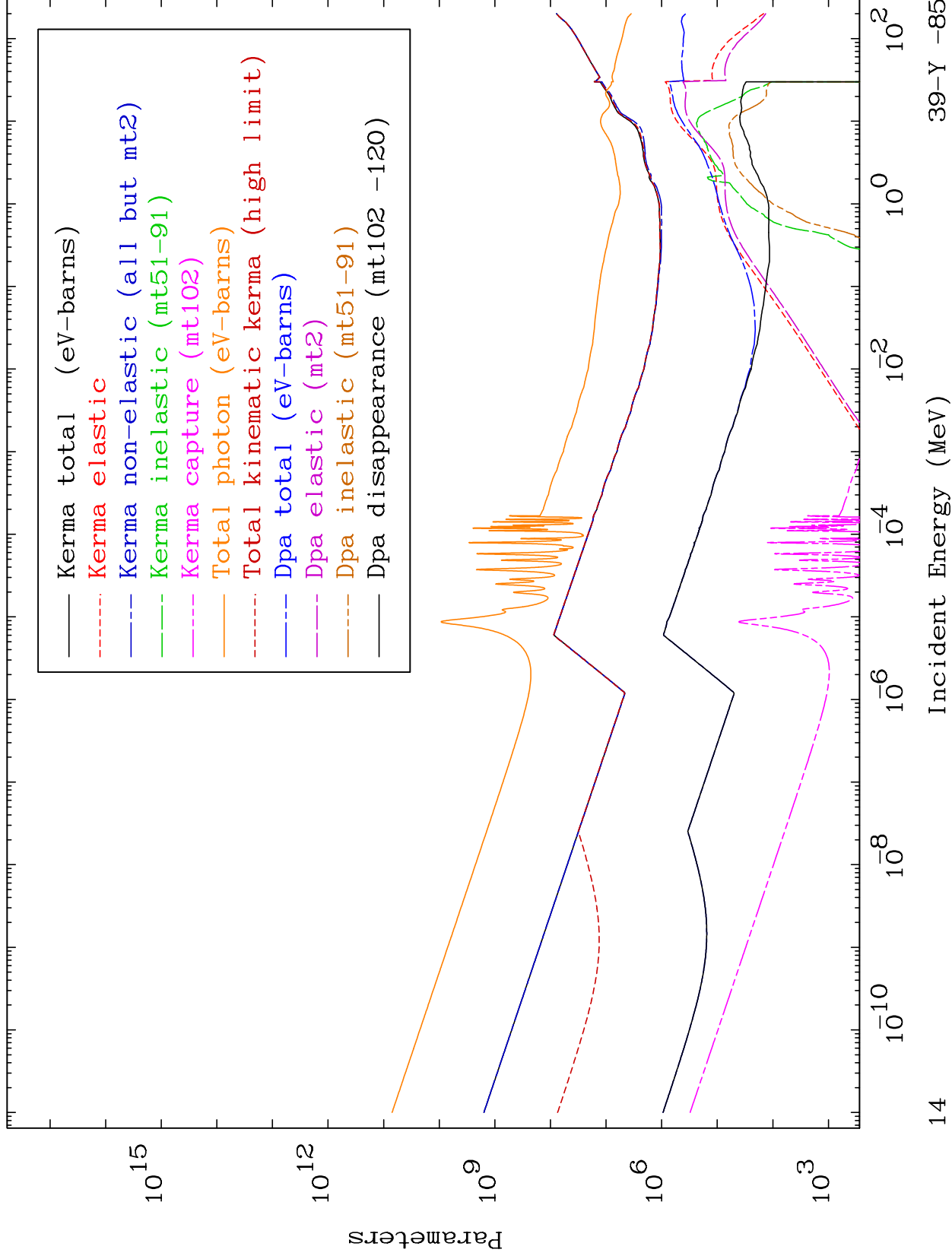
39-Y -85

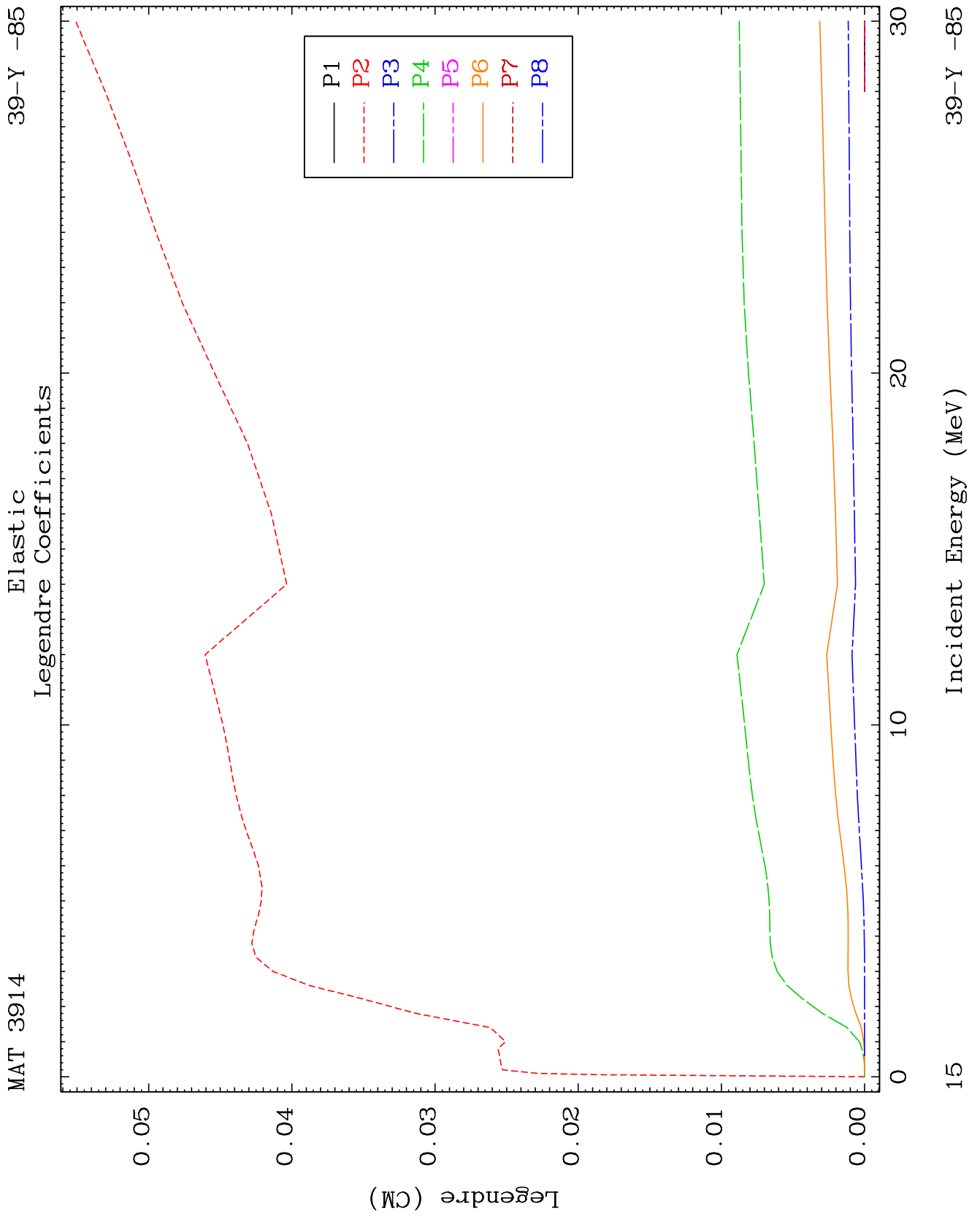
MAT 3914

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

39-Y -85







MAT 3914

39-Y -85

15

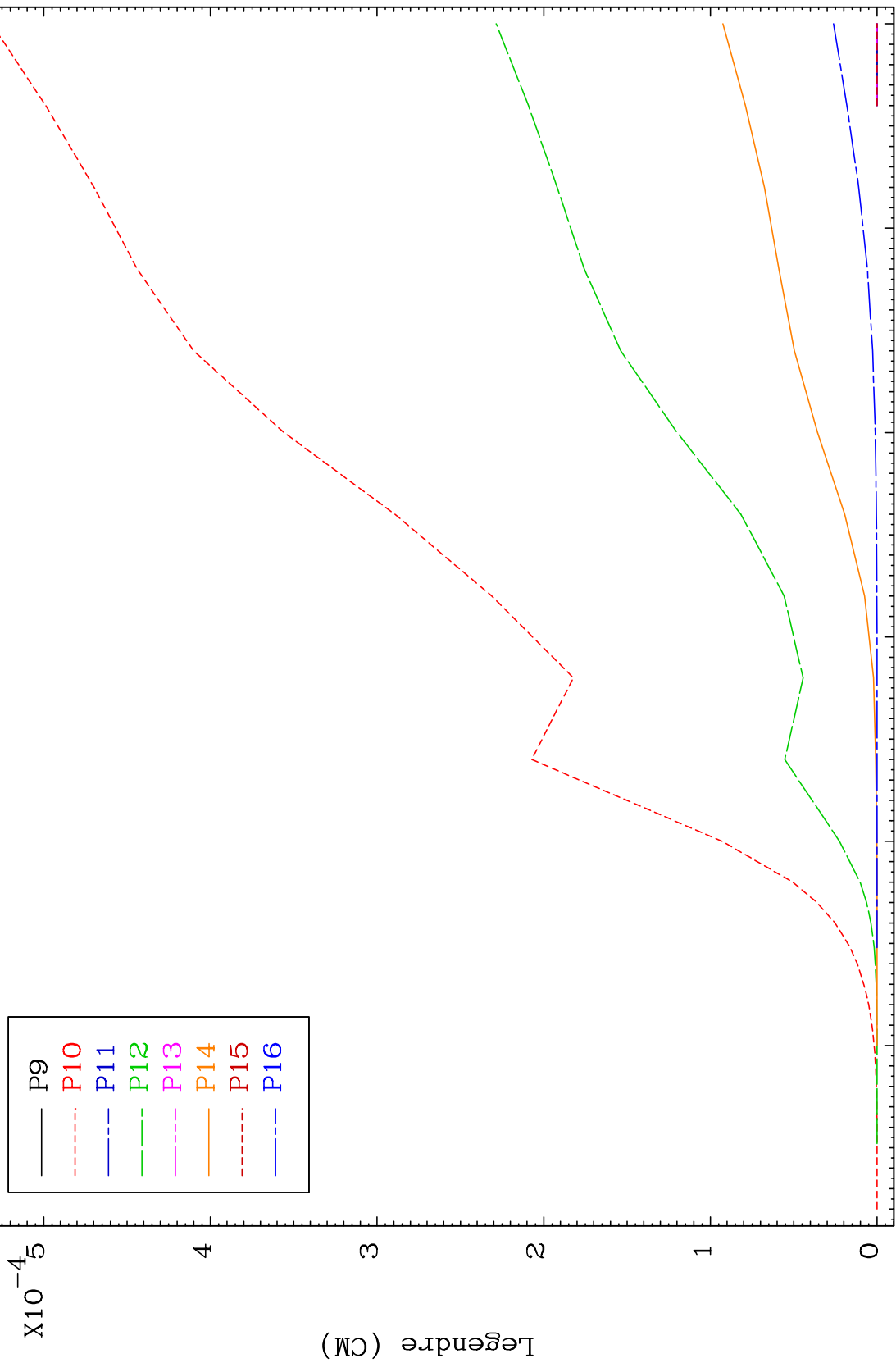
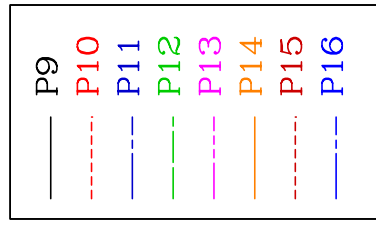
39-Y -85



MAT 3914

Elastic Legendre Coefficients

39-Y -85



16

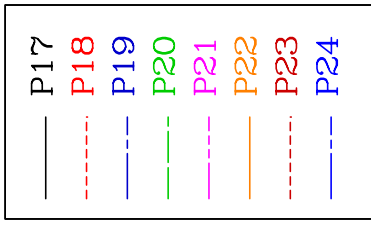
Incident Energy (MeV)

39-Y -85

MAT 3914

Elastic Legendre Coefficients

39-Y -85



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

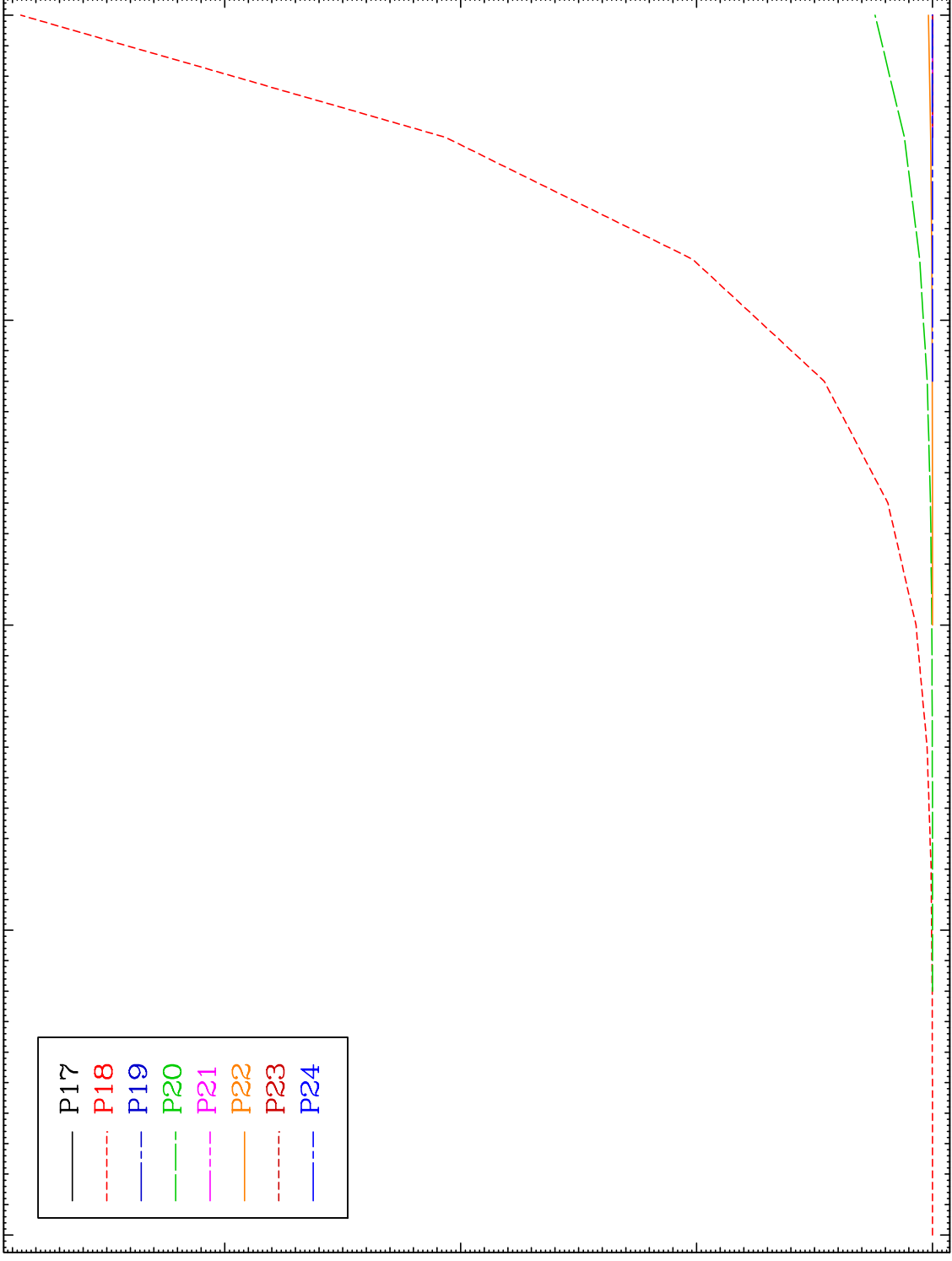
25

30

17

Incident Energy (MeV)

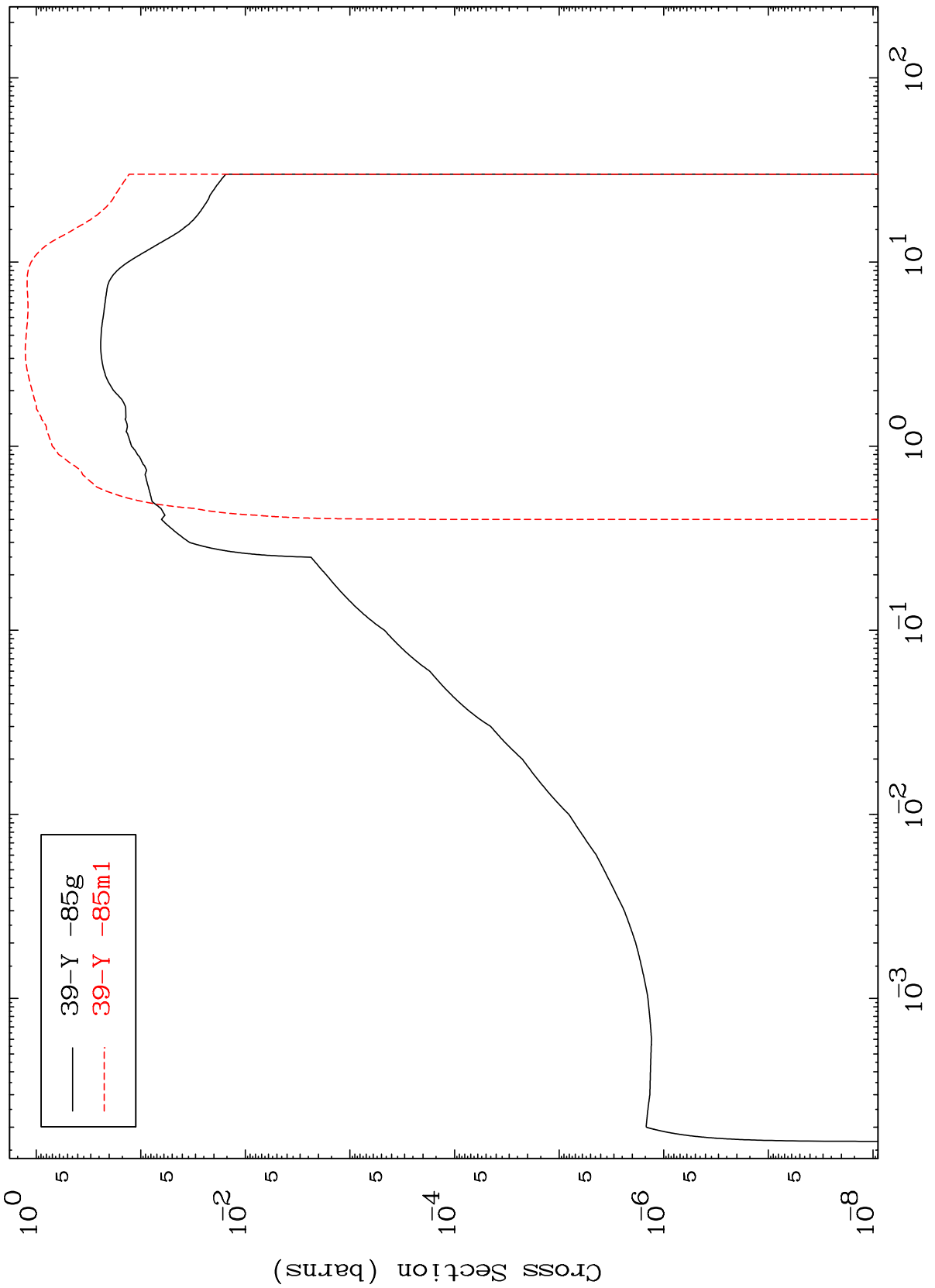
39-Y -85



MAT 3914

39-Y -85

Inelastic  
Radionuclide Production Cross Section

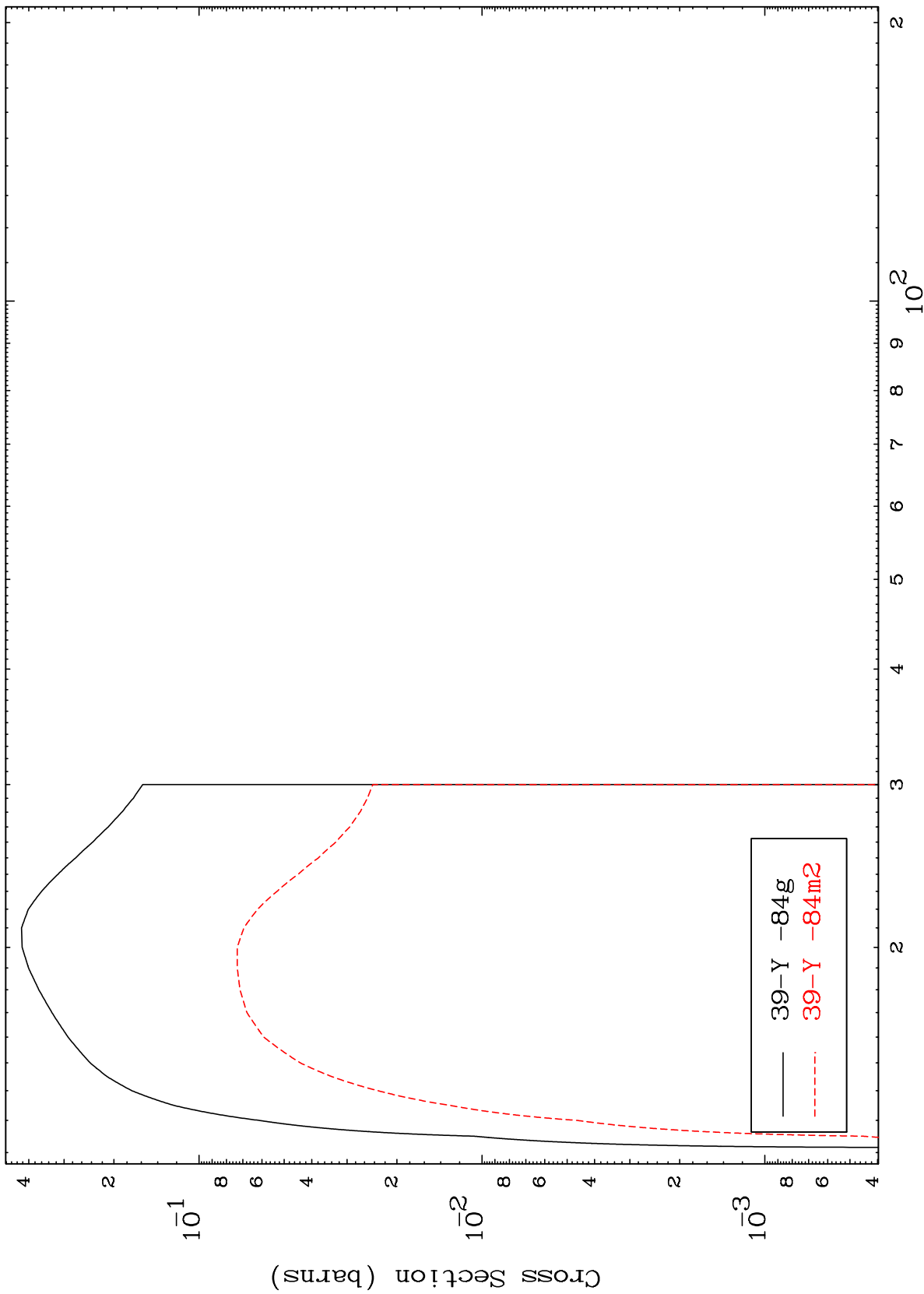


— 39-Y -85g  
- - - 39-Y -85m1

MAT 3914

39-Y -85

Radionuclide Production Cross Section  
(n,2n)



Incident Energy (MeV)

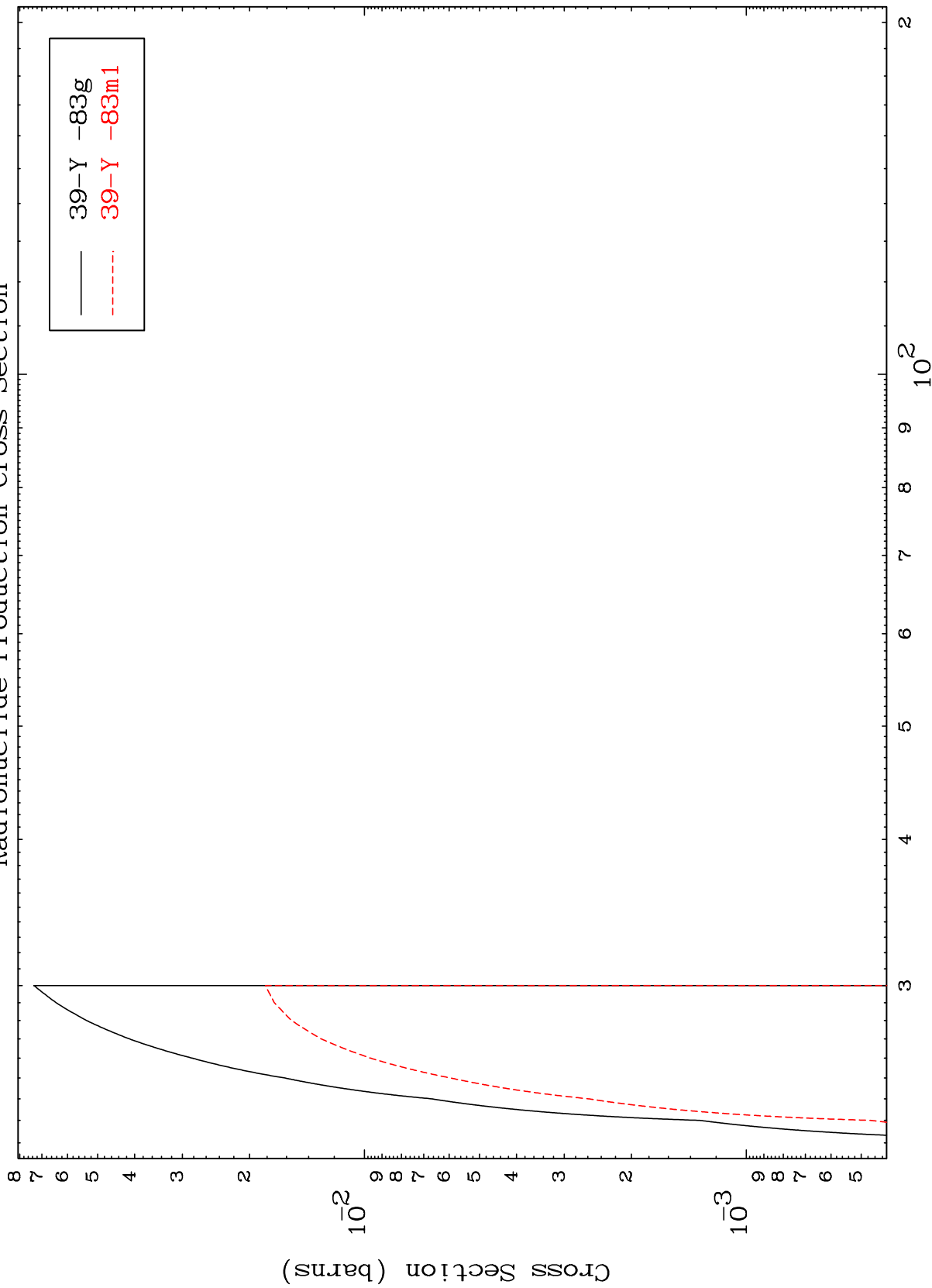
39-Y -85

19

MAT 3914

39-Y -85

(n,3n)  
Radionuclide Production Cross Section



20

Incident Energy (MeV)

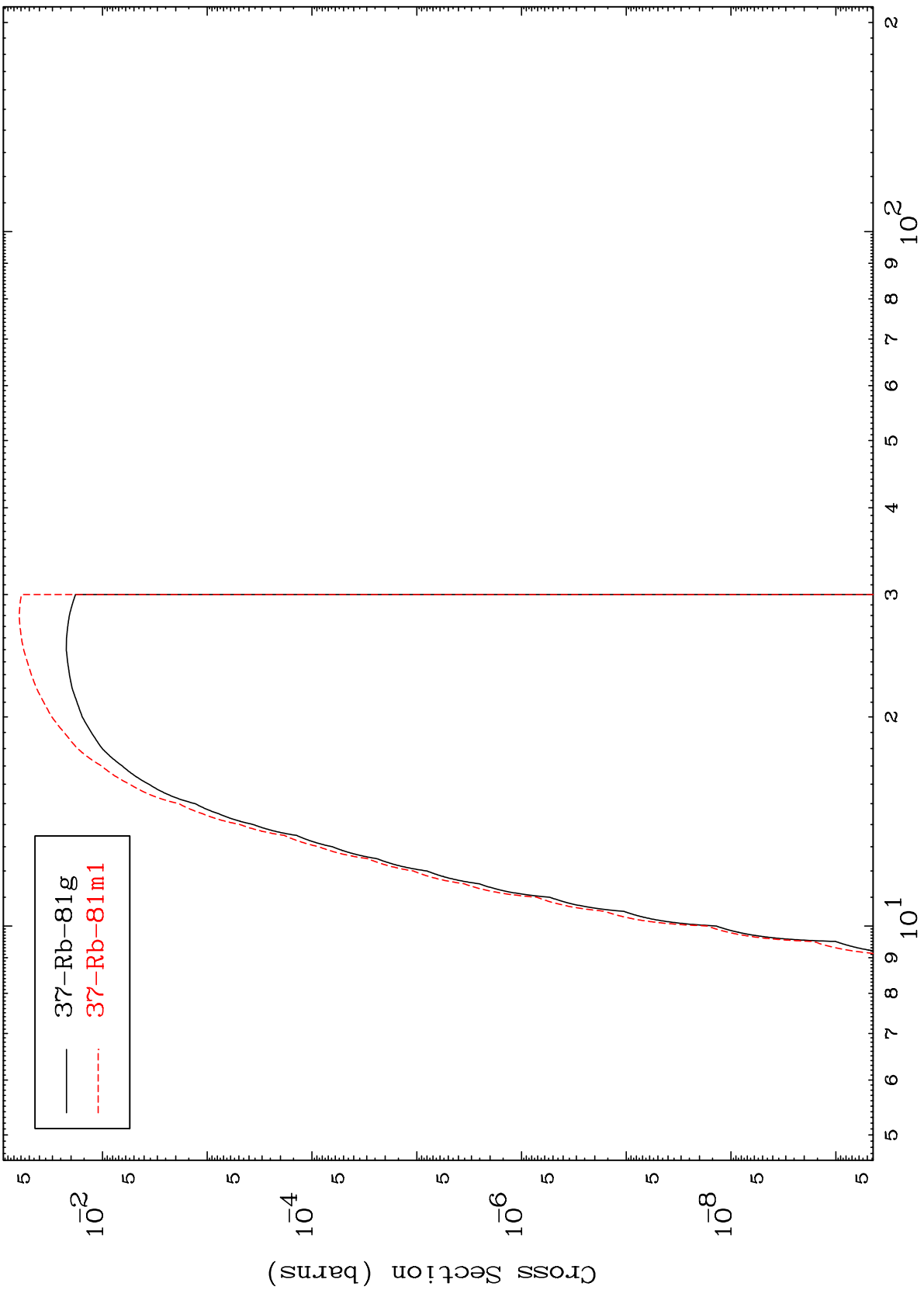
39-Y -85

MAT 3914

$(n, n') \alpha$

39-Y -85

Radionuclide Production Cross Section



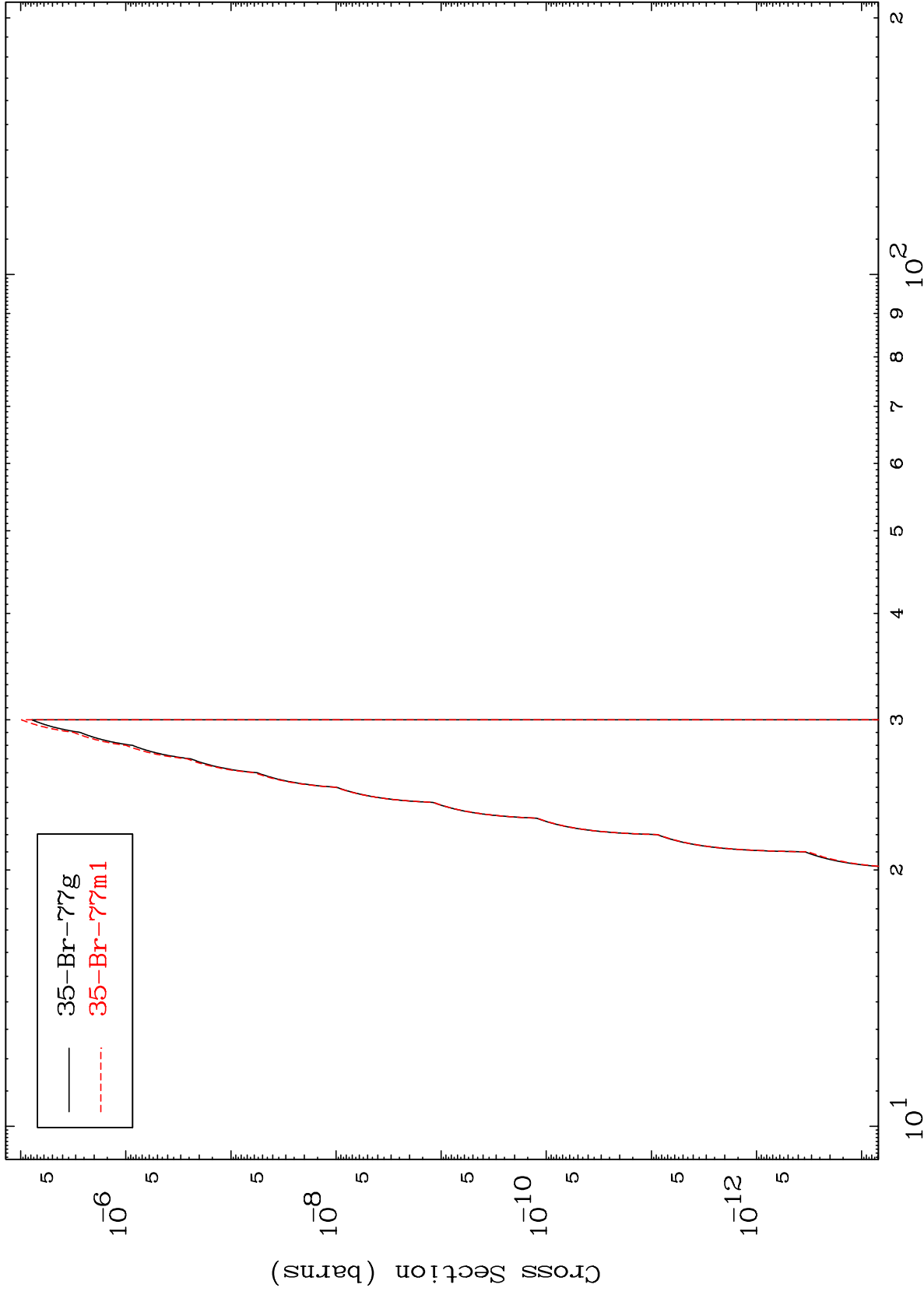
— 37-Rb-81g  
- - - 37-Rb-81m1

MAT 3914

(n,n') 2α

39-Y -85

Radionuclide Production Cross Section



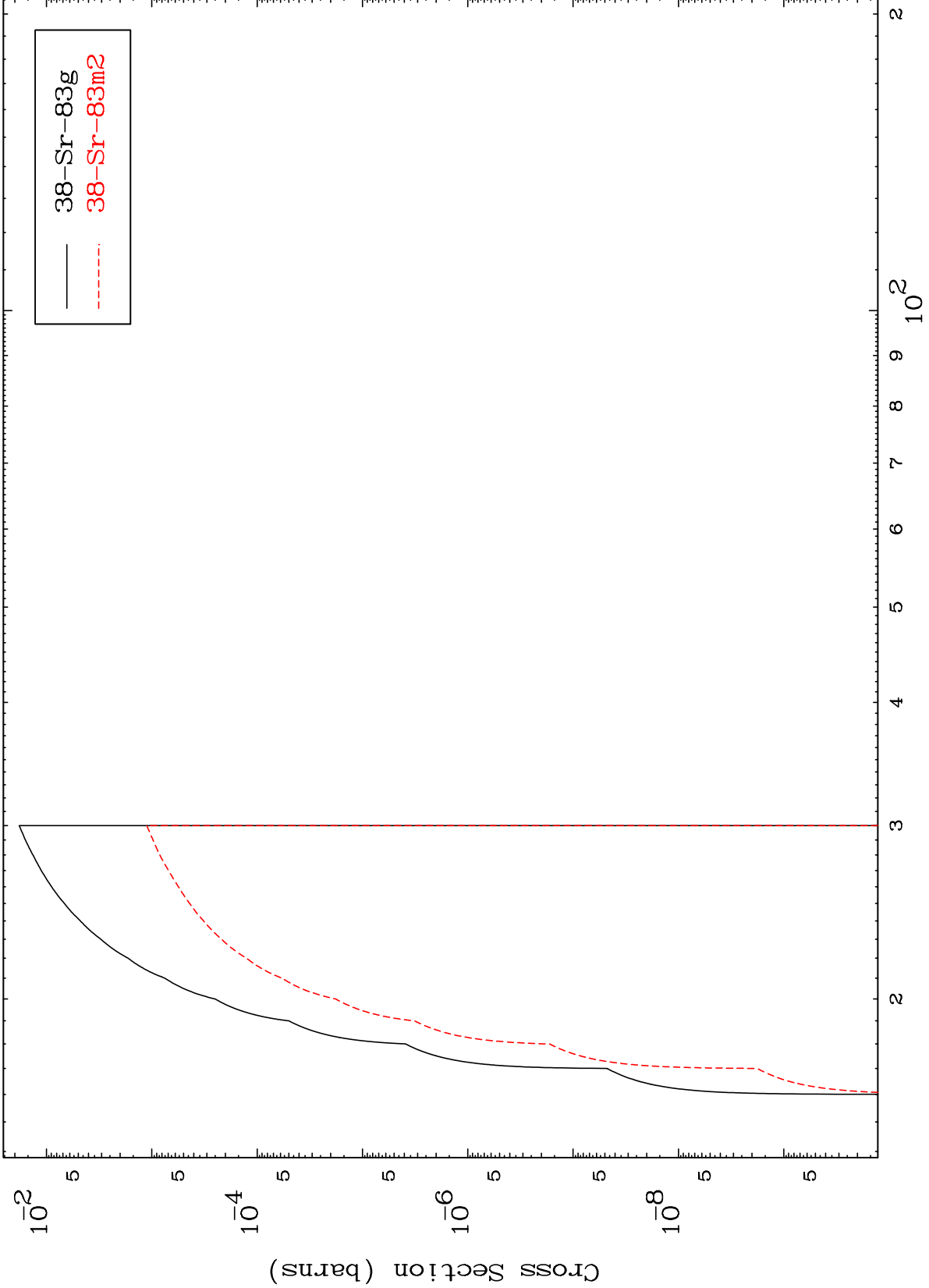
35-Br-77g  
35-Br-77m1

22

Incident Energy (MeV)

39-Y -85

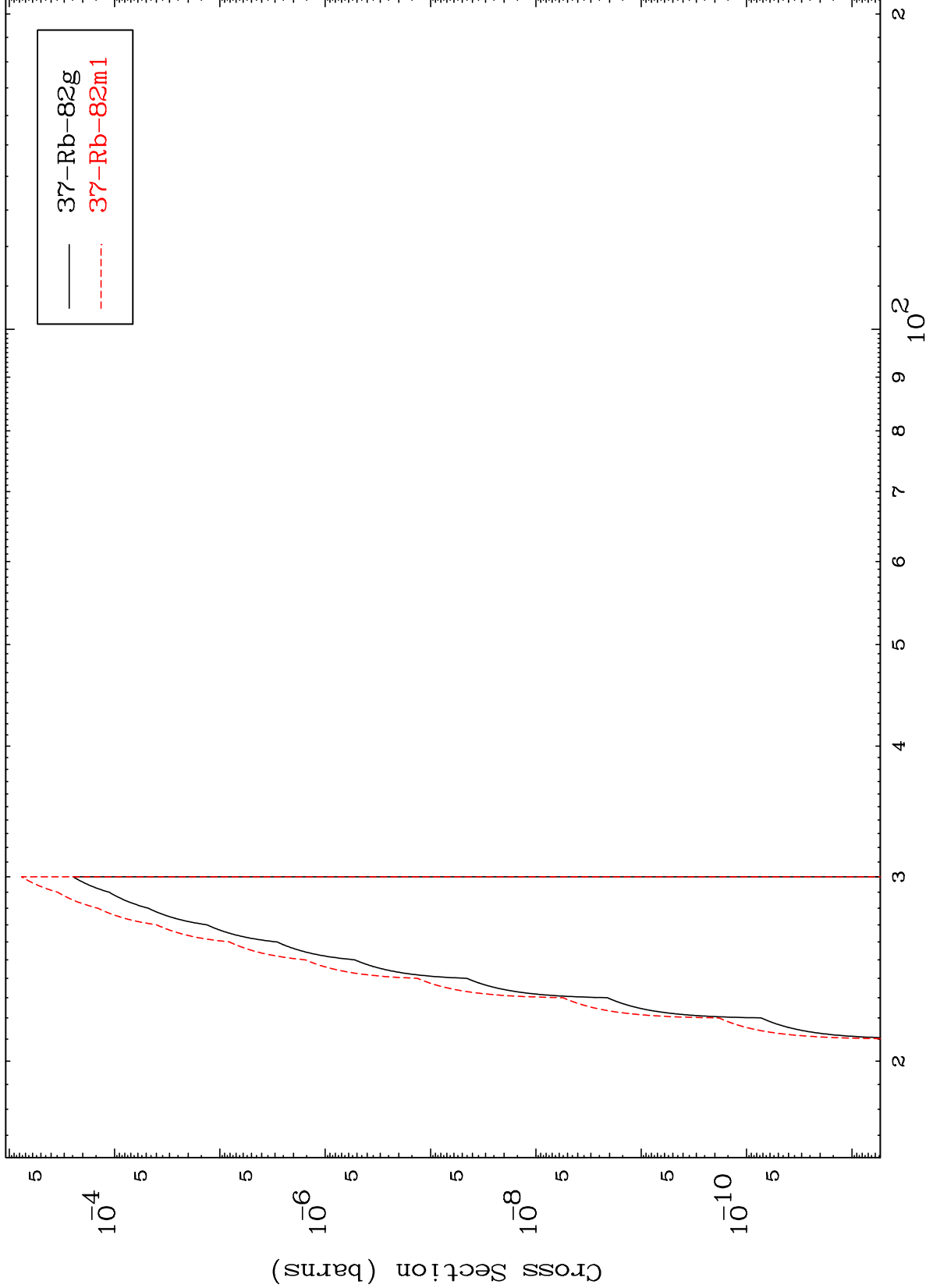
Radionuclide Production Cross Section



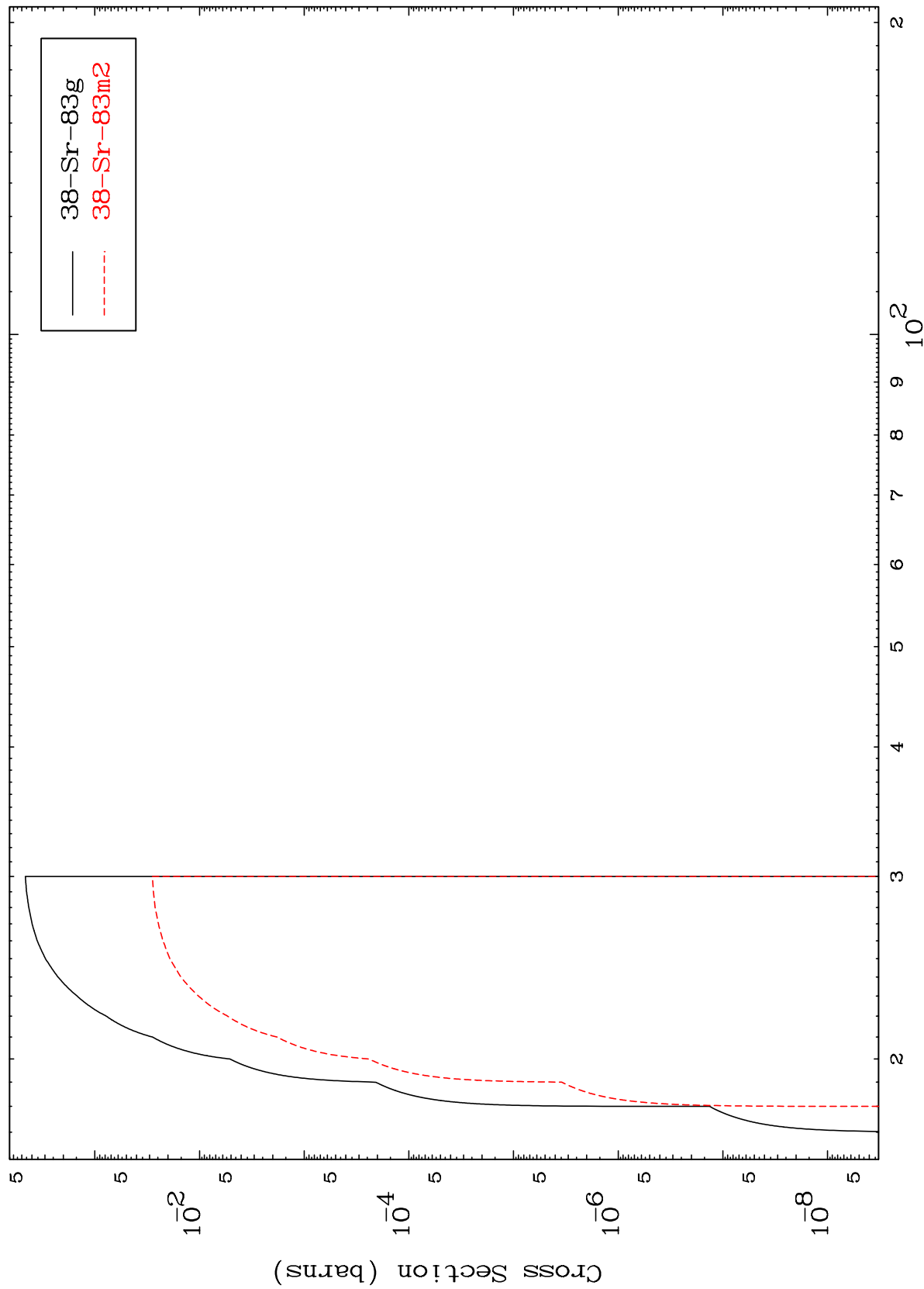
38-Sr-83g  
38-Sr-83m2



Radionuclide Production Cross Section



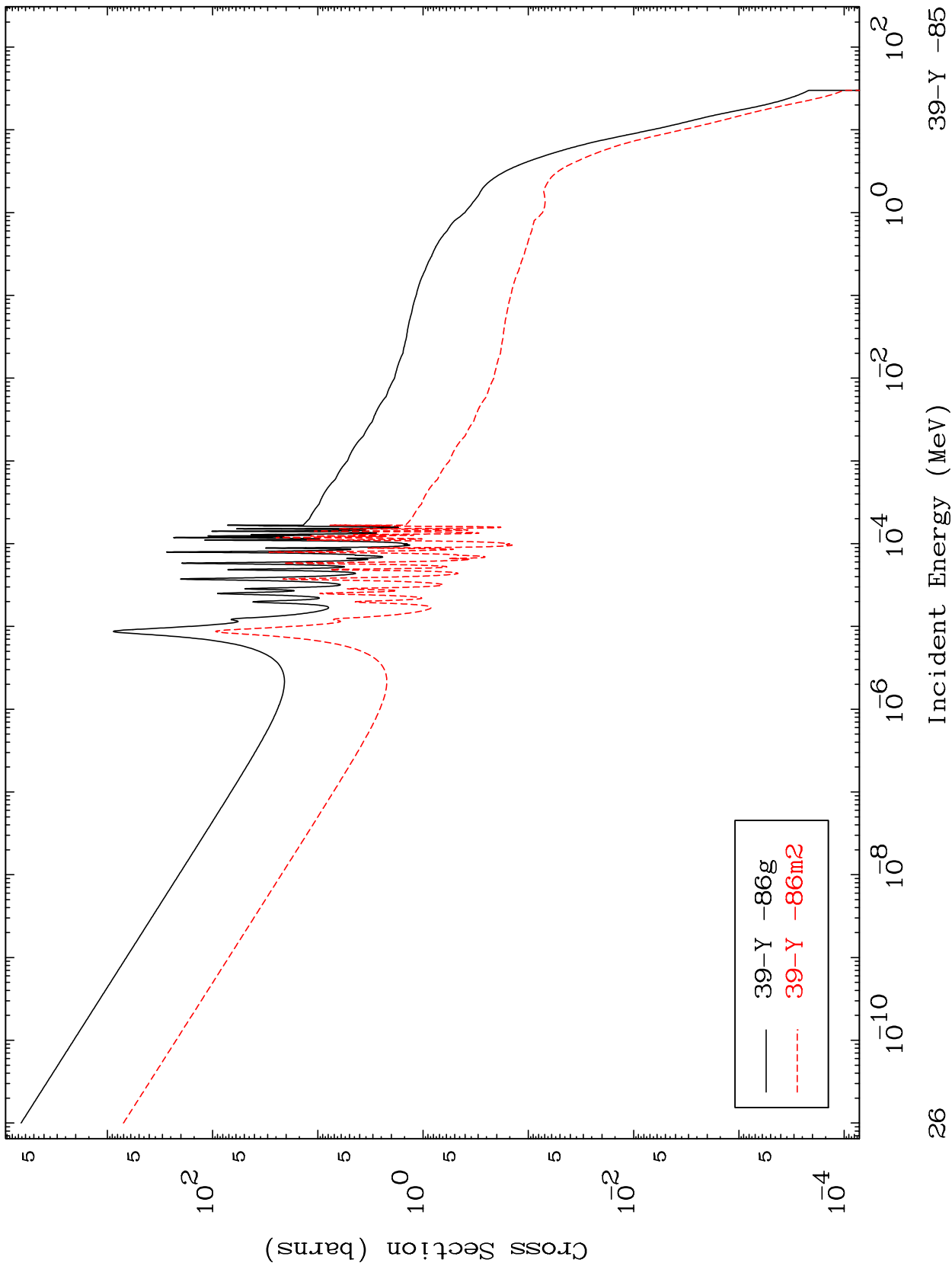
Radionuclide Production Cross Section



MAT 3914

39-Y -85

$(n, \gamma)$   
Radionuclide Production Cross Section



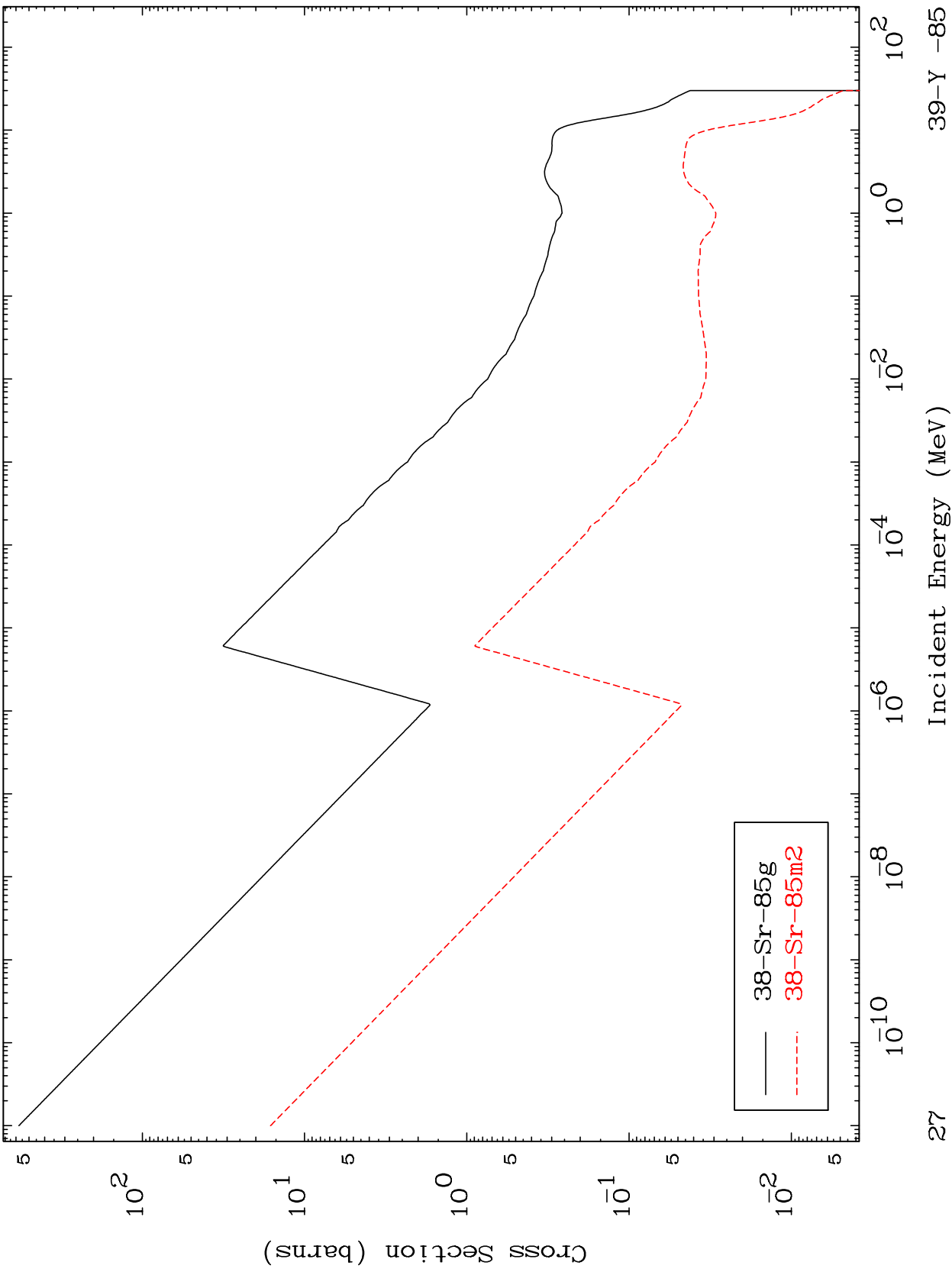
26

39-Y -85

MAT 3914

39-Y -85

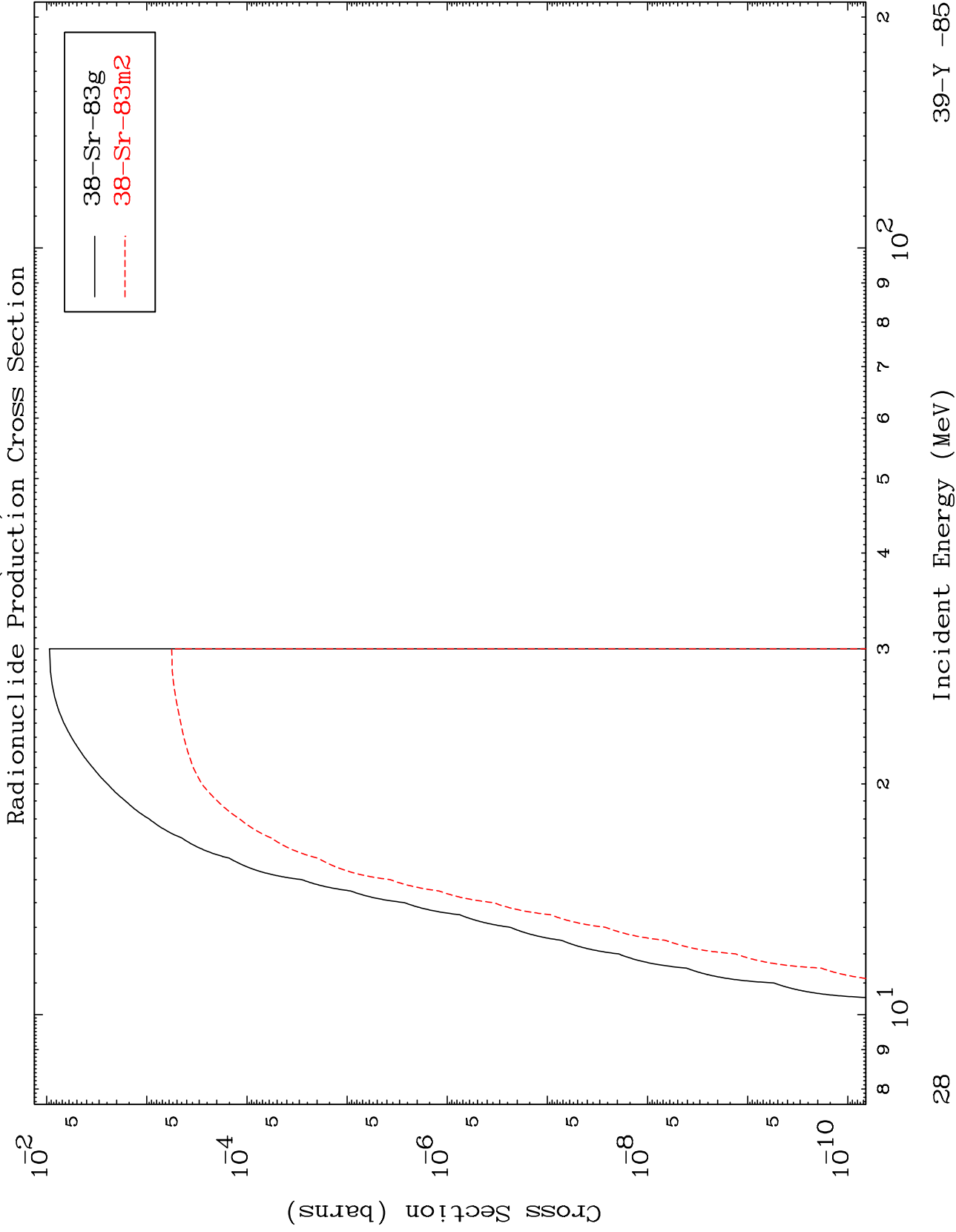
Radionuclide Production Cross Section (n,p)



MAT 3914

(n, t)

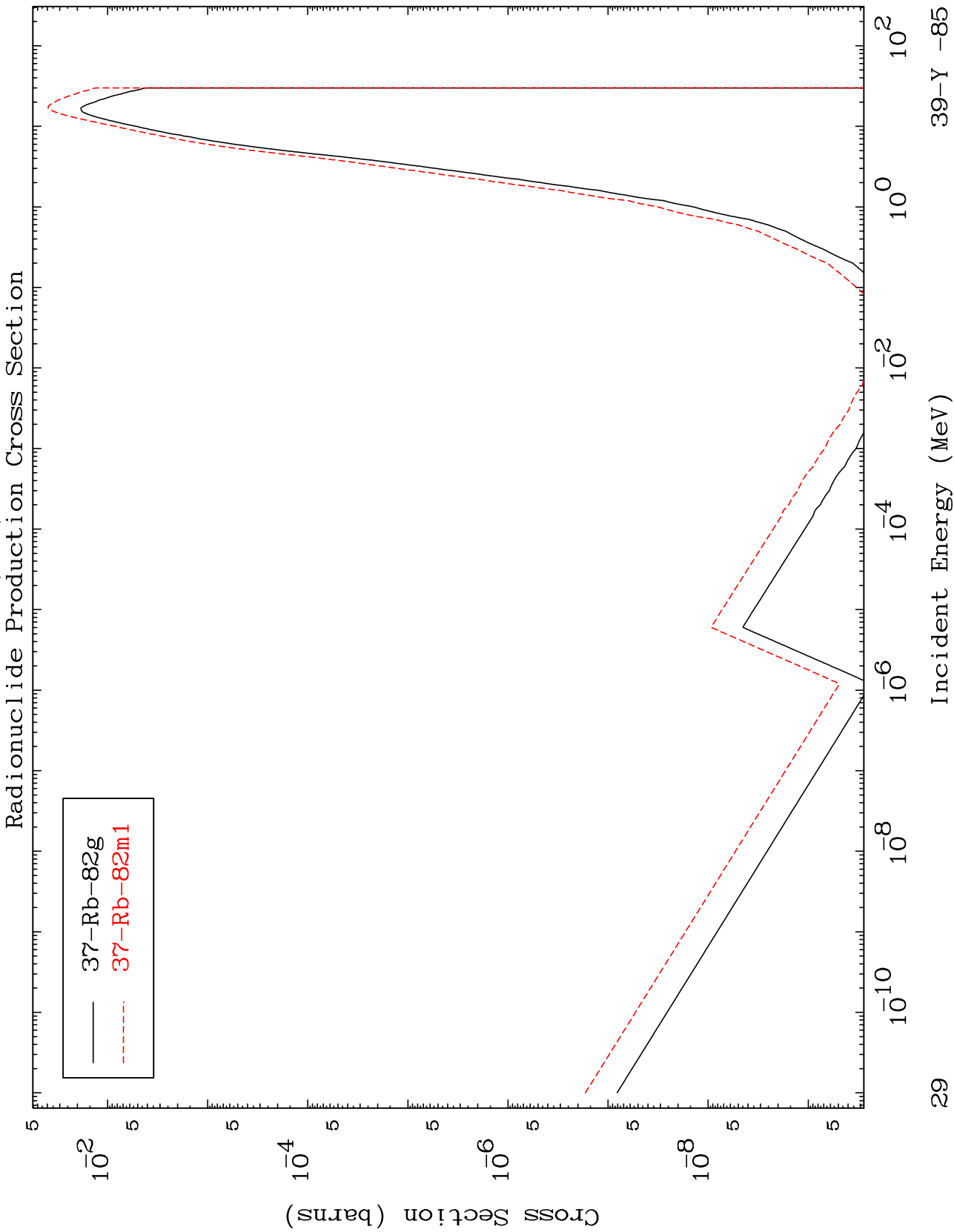
39-Y -85



28

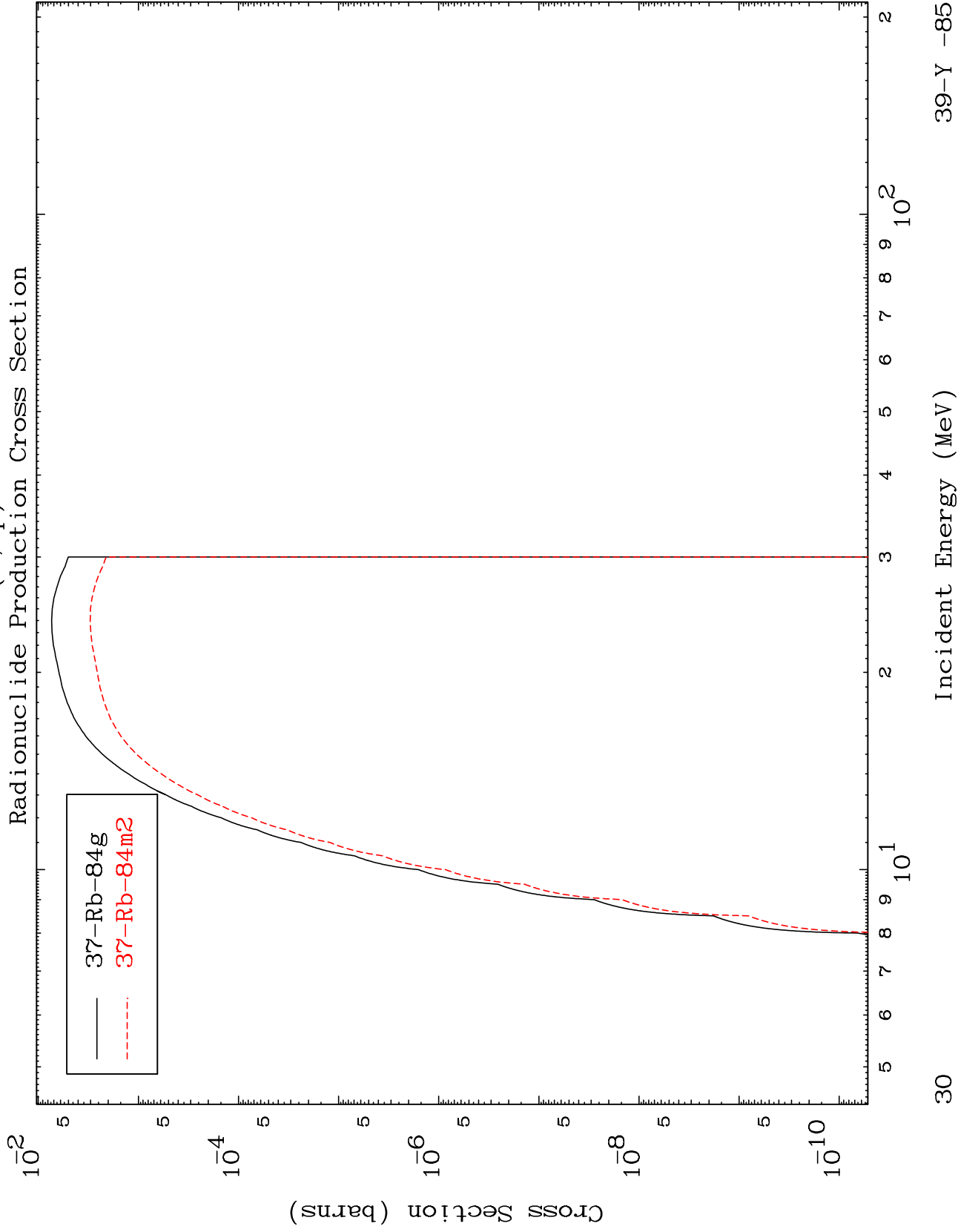
MAT 3914

39-Y -85



MAT 3914

39-Y -85

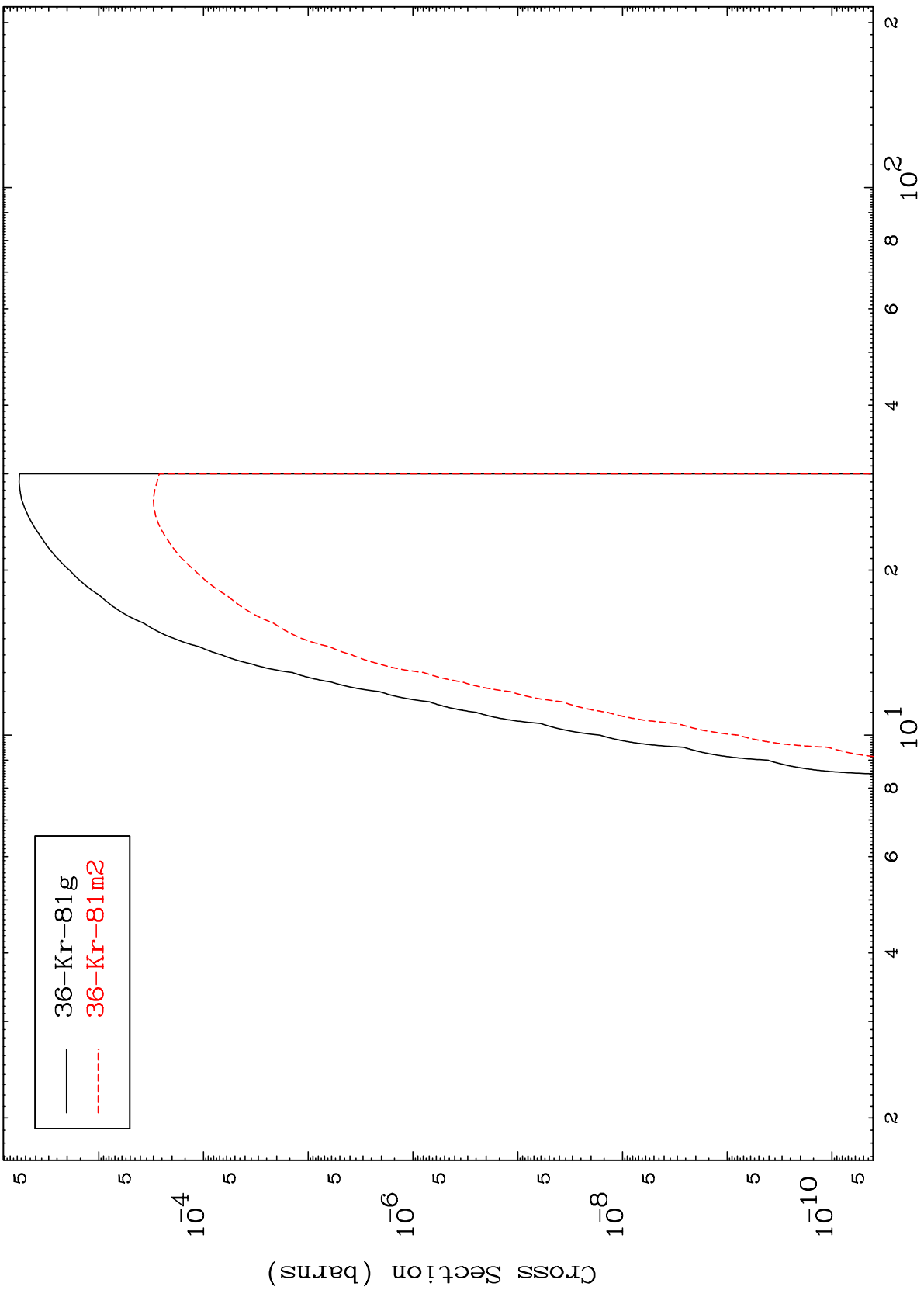


MAT 3914

(n,p)  $\alpha$

39-Y -85

Radionuclide Production Cross Section



31

Incident Energy (MeV)

39-Y -85



