

Program EVALPLOT  
(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](mailto:redcullen1@comcast.net)

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

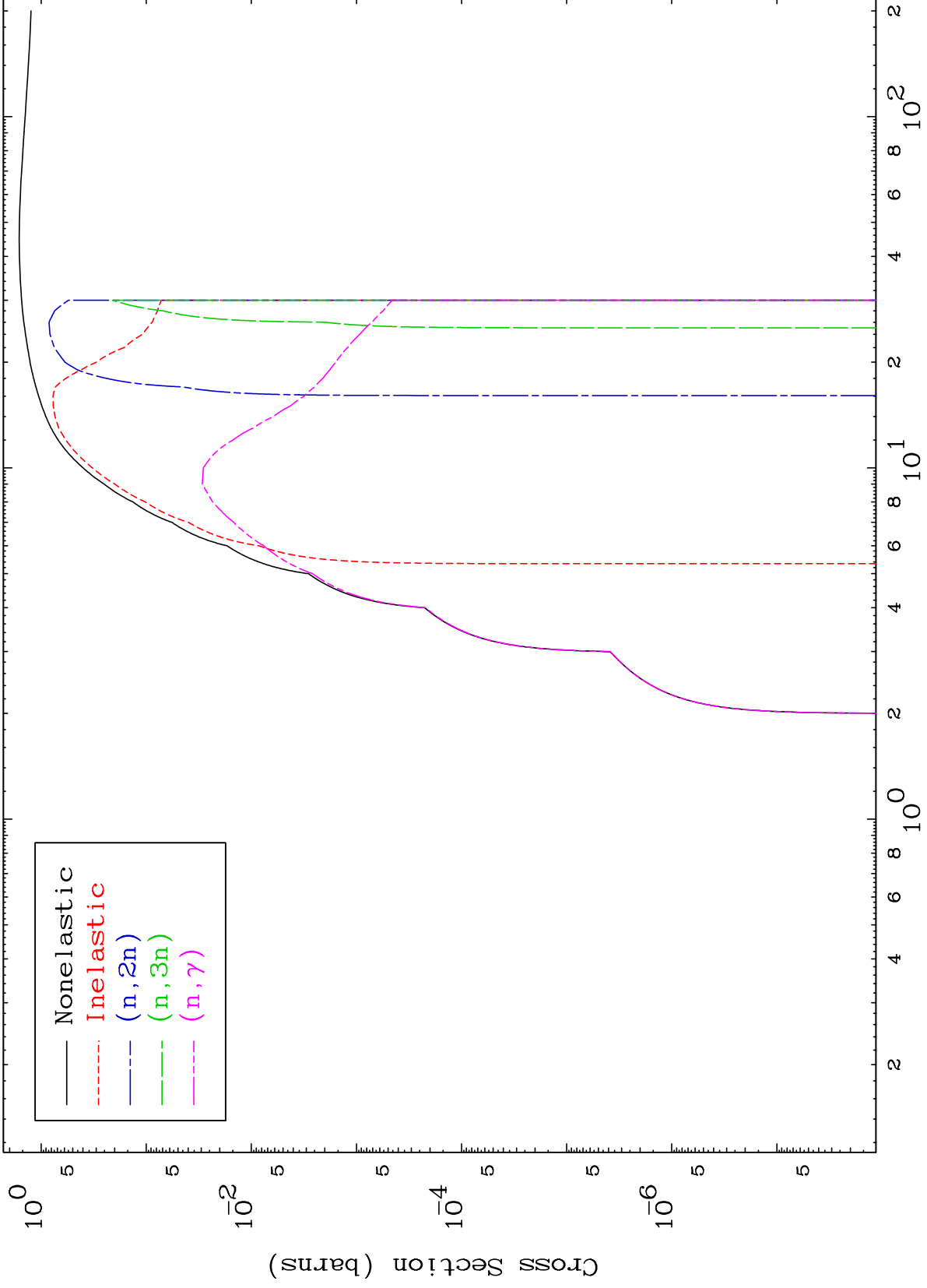
Press Mouse Button to Start

MAT 6016

Proton Major

60-Nd-139

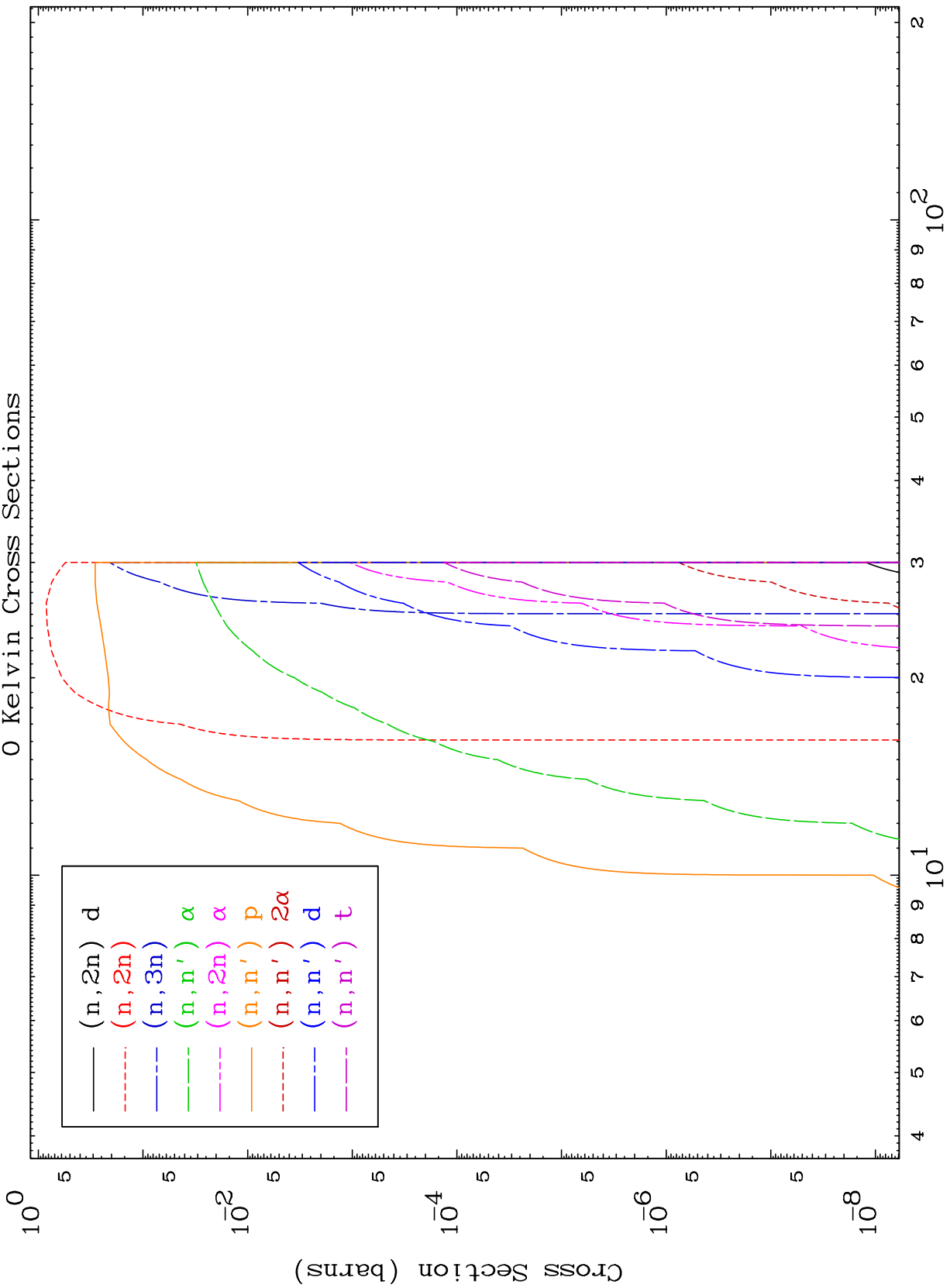
0 Kelvin Cross Sections



MAT 6016

Proton Neutron Absorption  
0 Kelvin Cross Sections

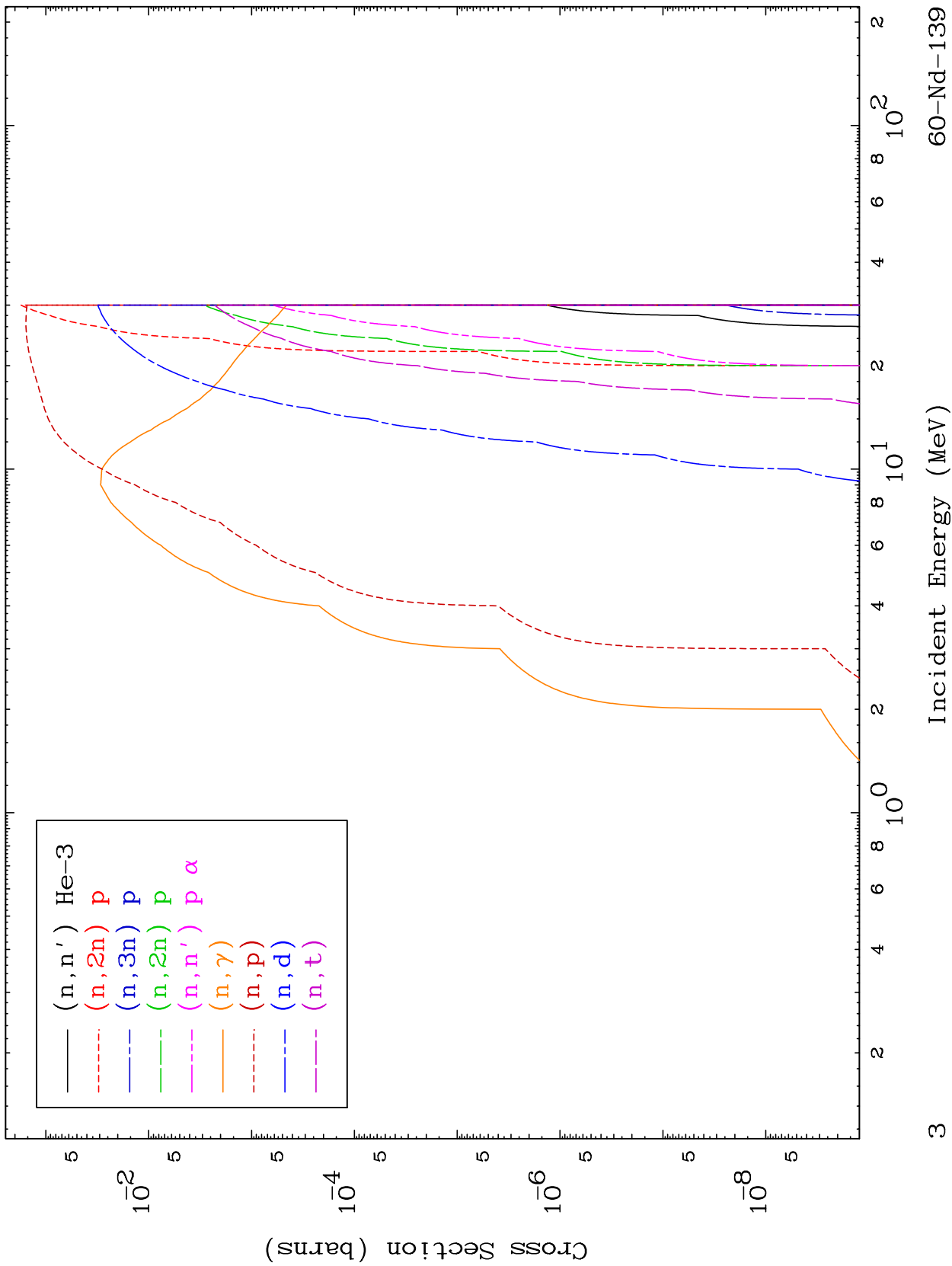
60-Nd-139



MAT 6016

Proton Neutron Absorption  
0 Kelvin Cross Sections

60-Nd-139



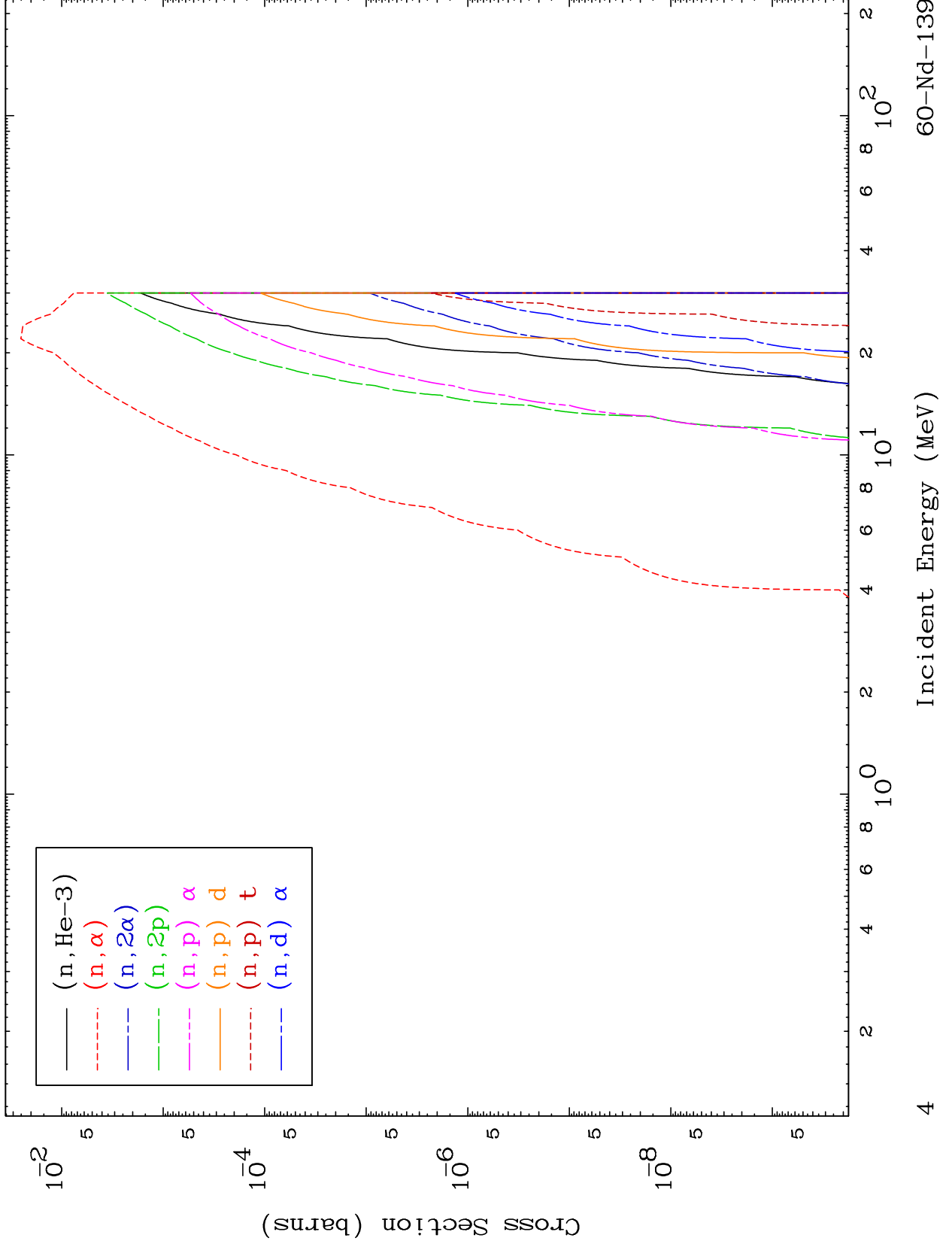
60-Nd-139

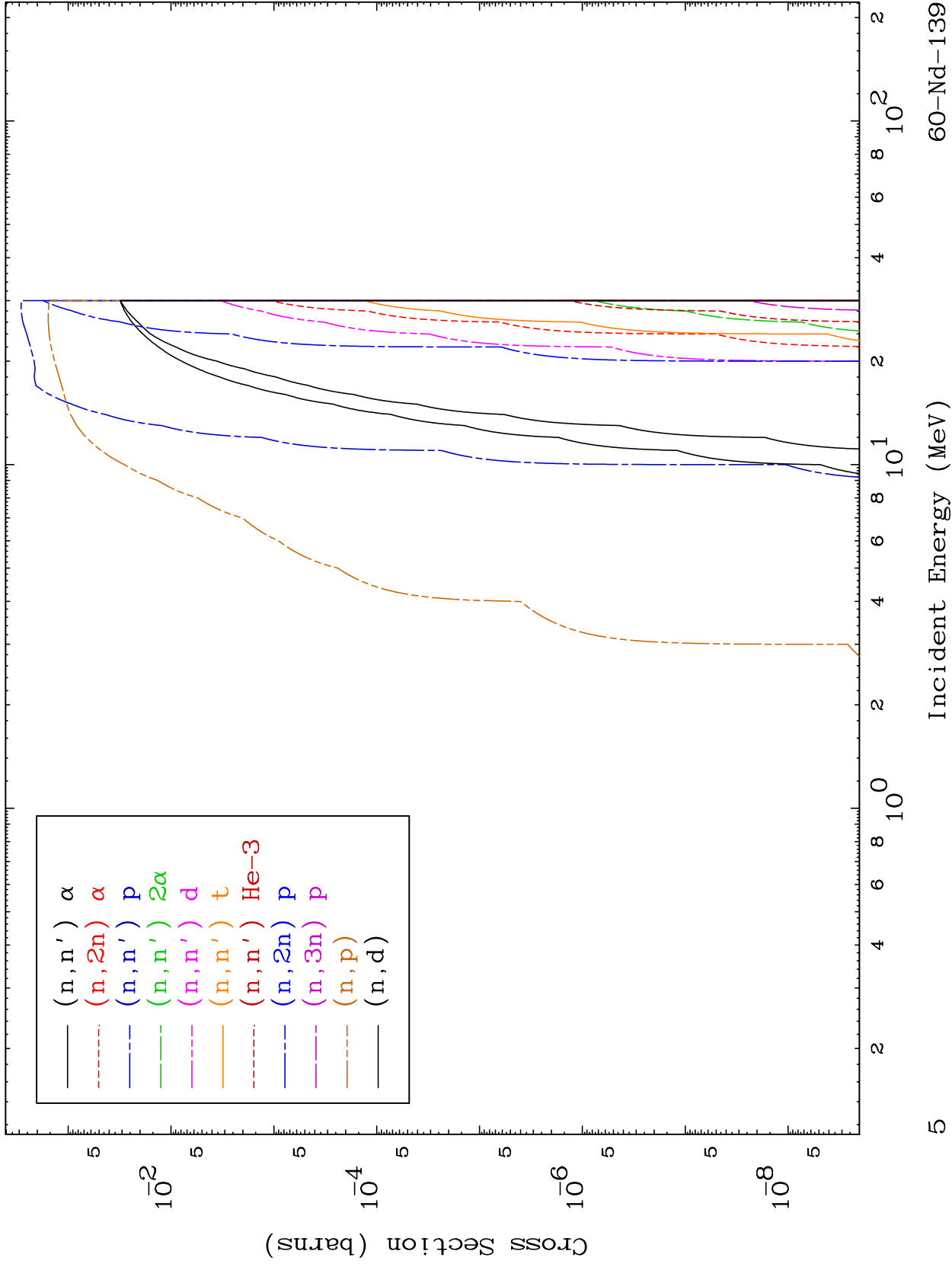
Incident Energy (MeV)

MAT 6016

Proton Neutron Absorption  
0 Kelvin Cross Sections

60-Nd-139

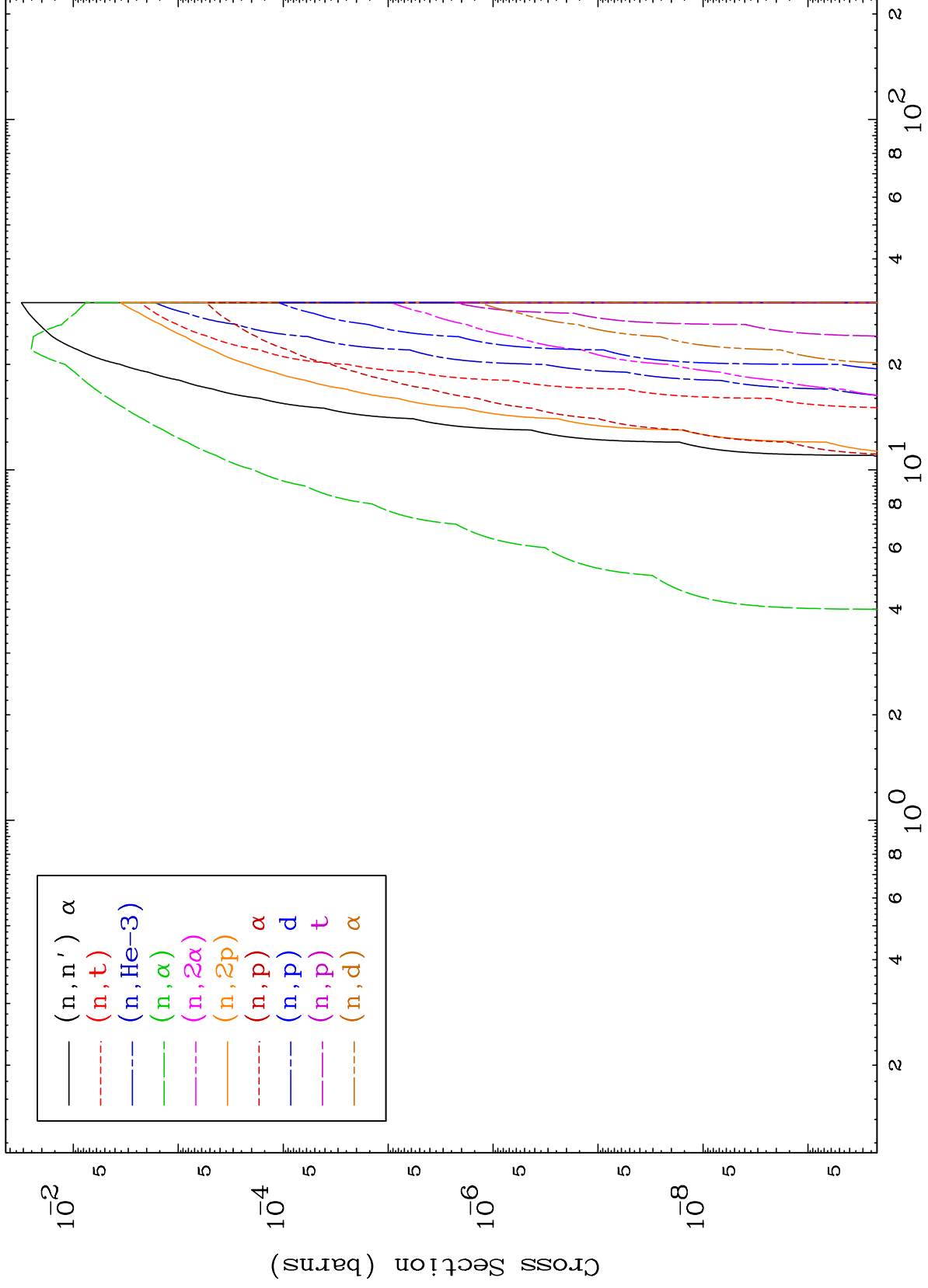




MAT 6016

Proton Charged Particle  
0 Kelvin Cross Sections

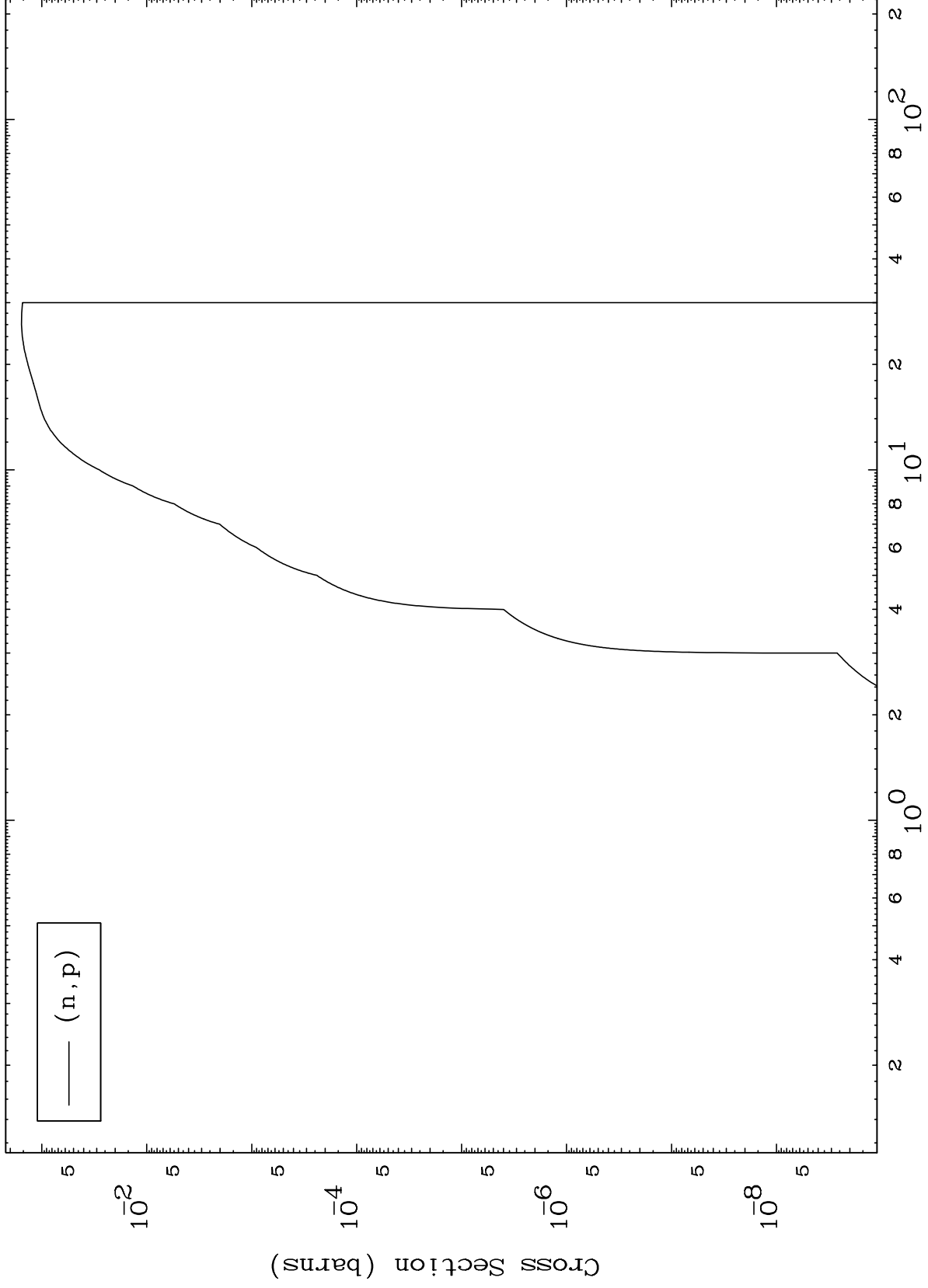
60-Nd-139



MAT 6016

(p,p) Levels  
0 Kelvin Cross Sections

60-Nd-139

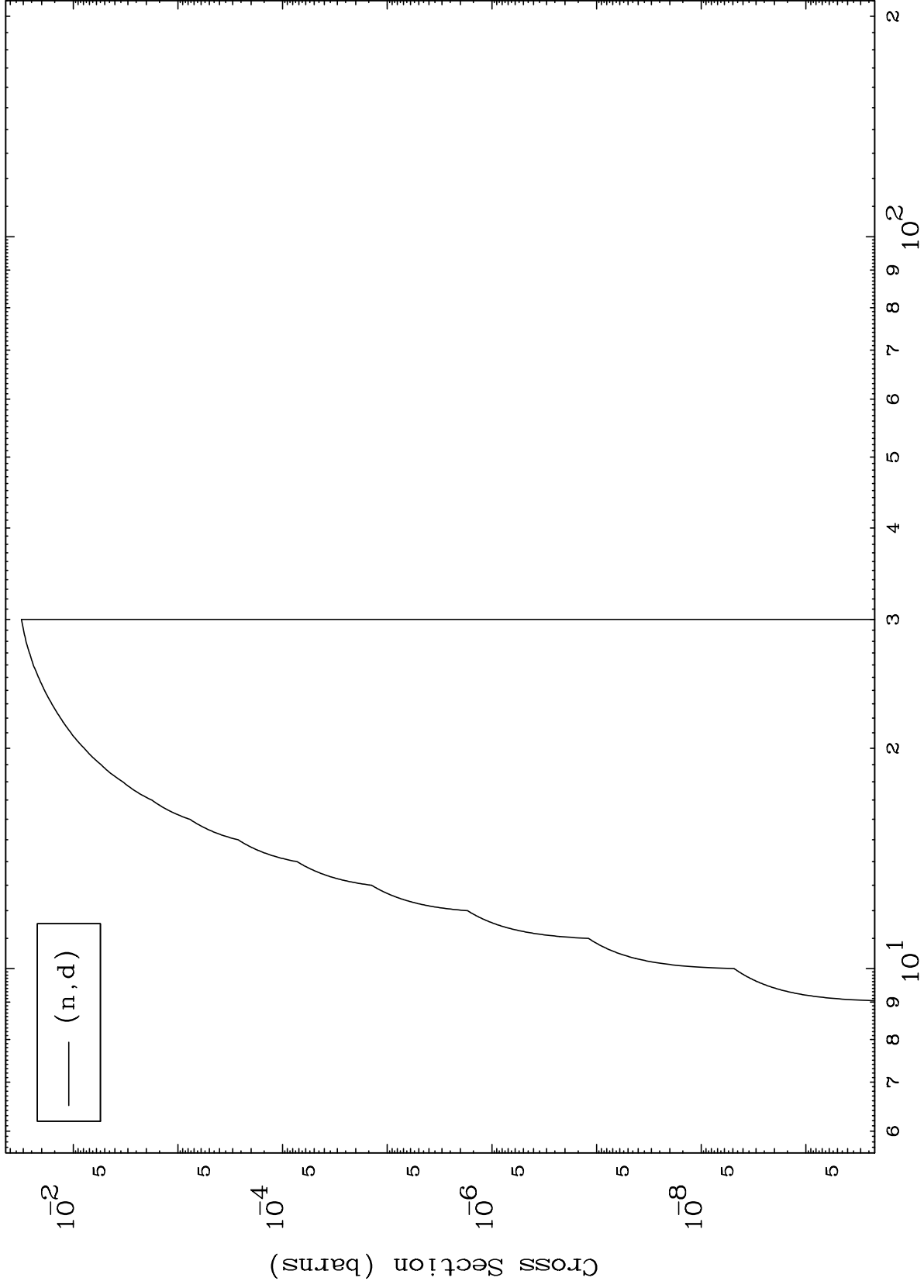




MAT 6016

(p,d) Levels  
0 Kelvin Cross Sections

60-Nd-139



8

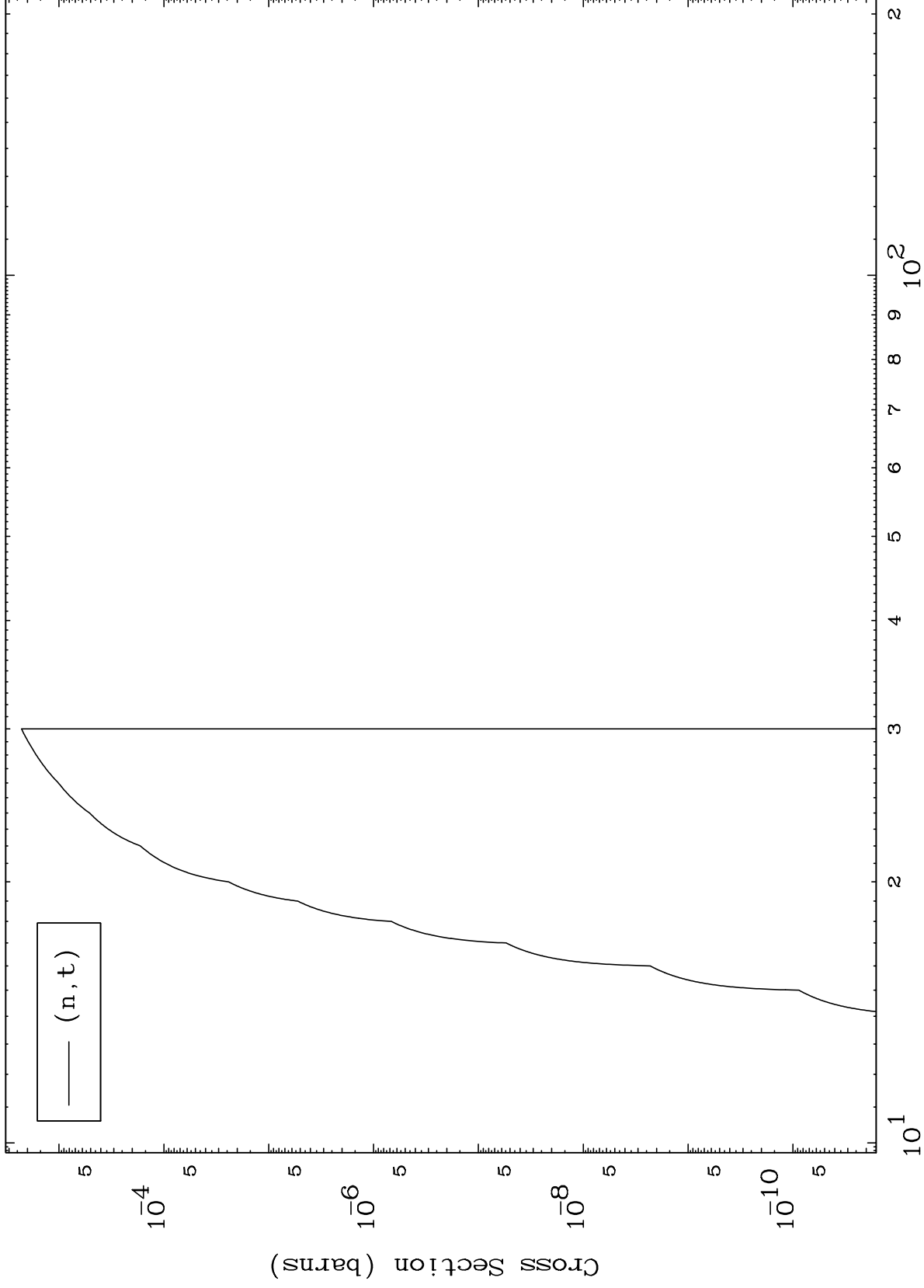
Incident Energy (MeV)

60-Nd-139

MAT 6016

(p,t) Levels  
0 Kelvin Cross Sections

60-Nd-139



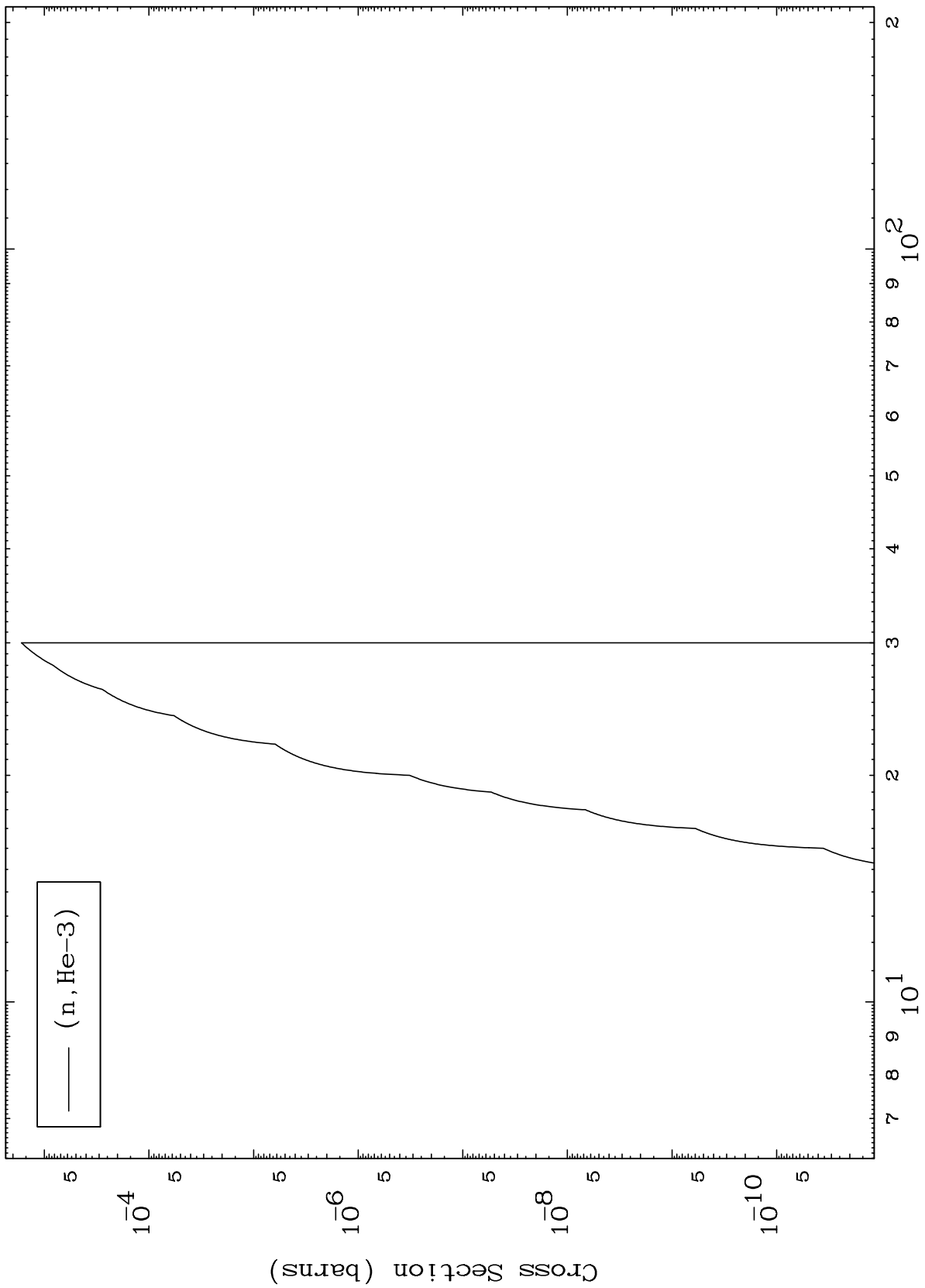
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

(p,He3) Levels  
0 Kelvin Cross Sections



10

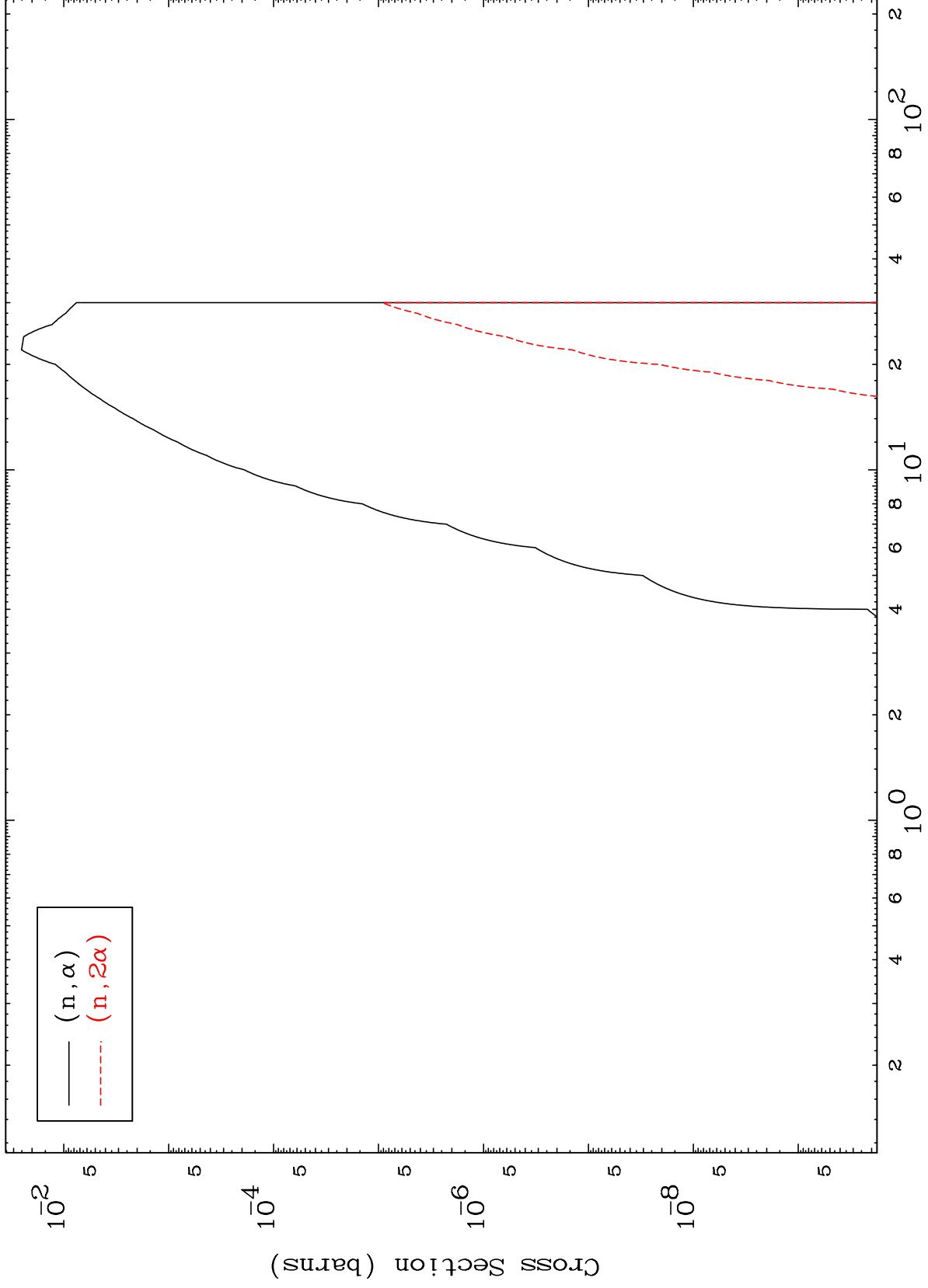
Incident Energy (MeV)

60-Nd-139

MAT 6016

(p,  $\alpha$ ) Levels  
0 Kelvin Cross Sections

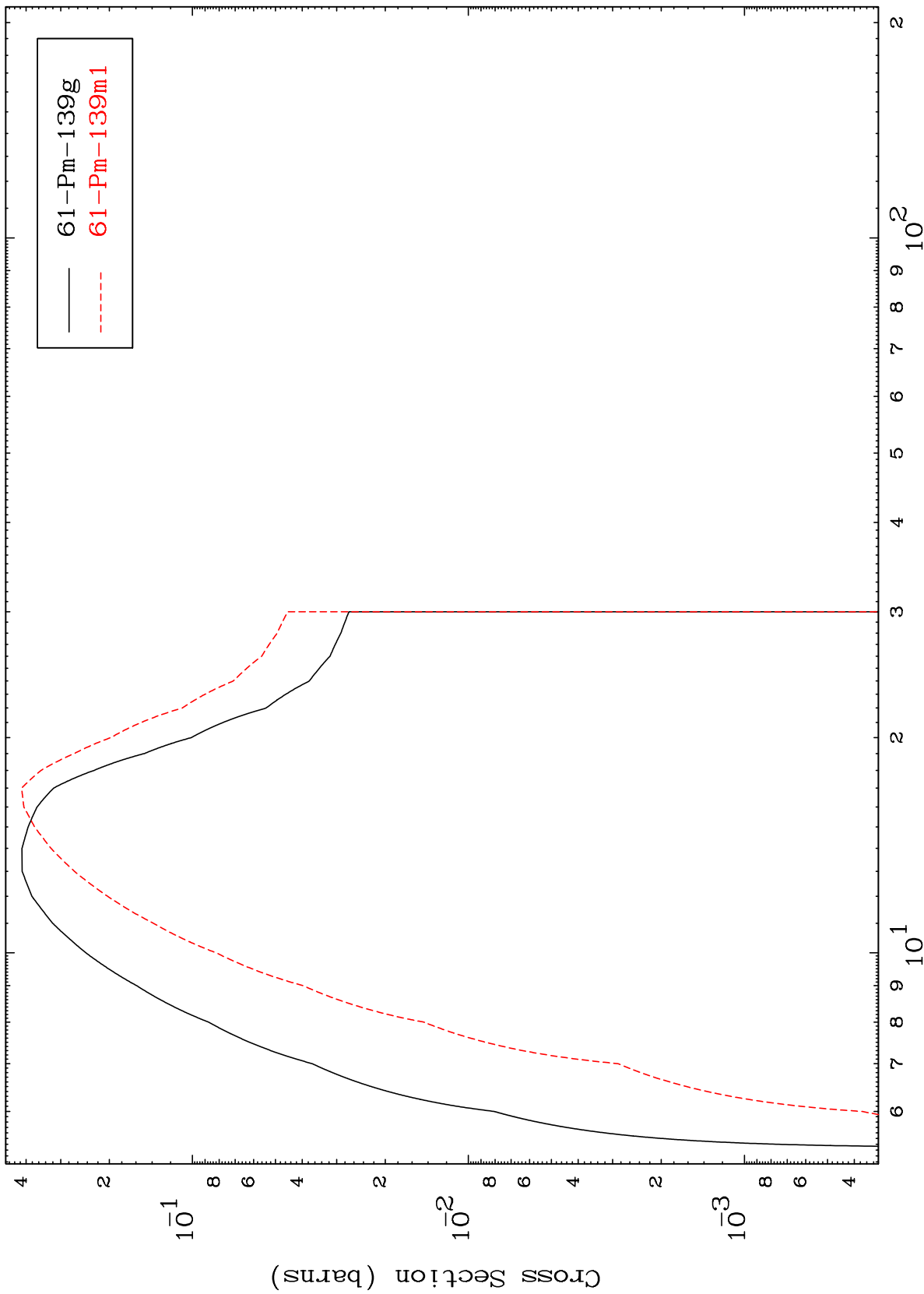
60-Nd-139



MAT 6016

60-Nd-139

Inelastic  
Radionuclide Production Cross Section



12

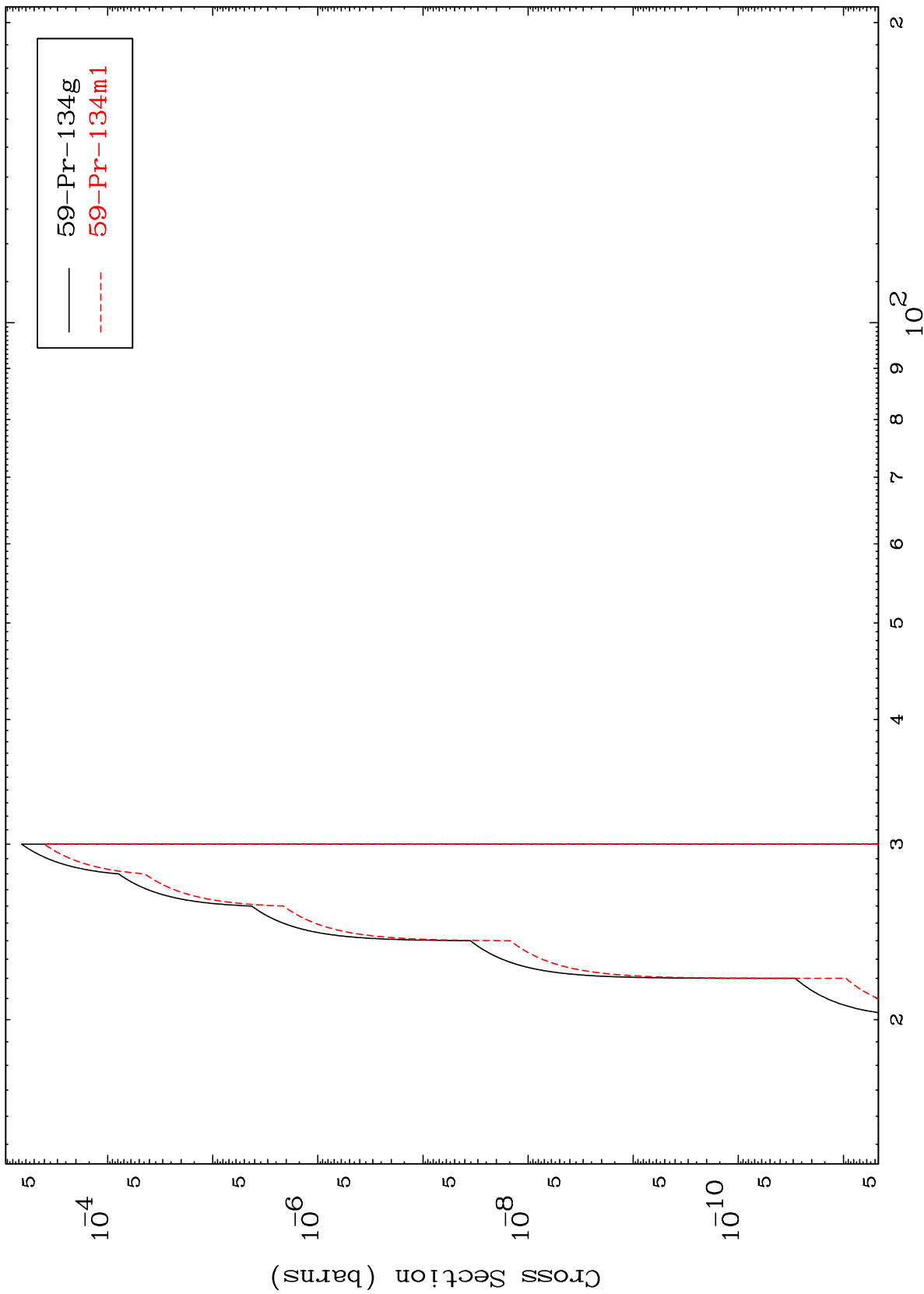
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

$(n,2n) \alpha$   
Radionuclide Production Cross Section



13

60-Nd-139

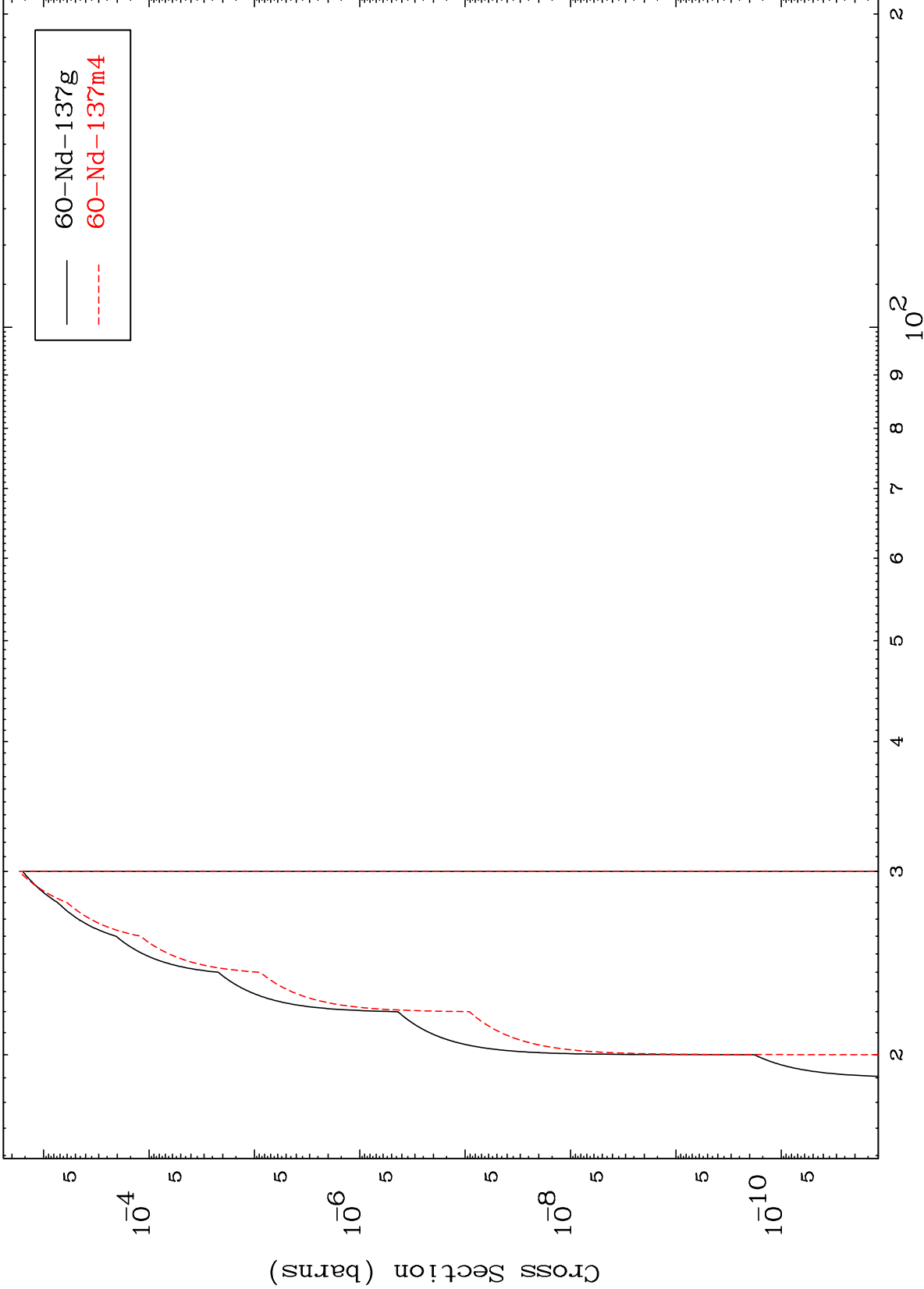
Incident Energy (MeV)

MAT 6016

(n,n') d

60-Nd-139

Radionuclide Production Cross Section



14

Incident Energy (MeV)

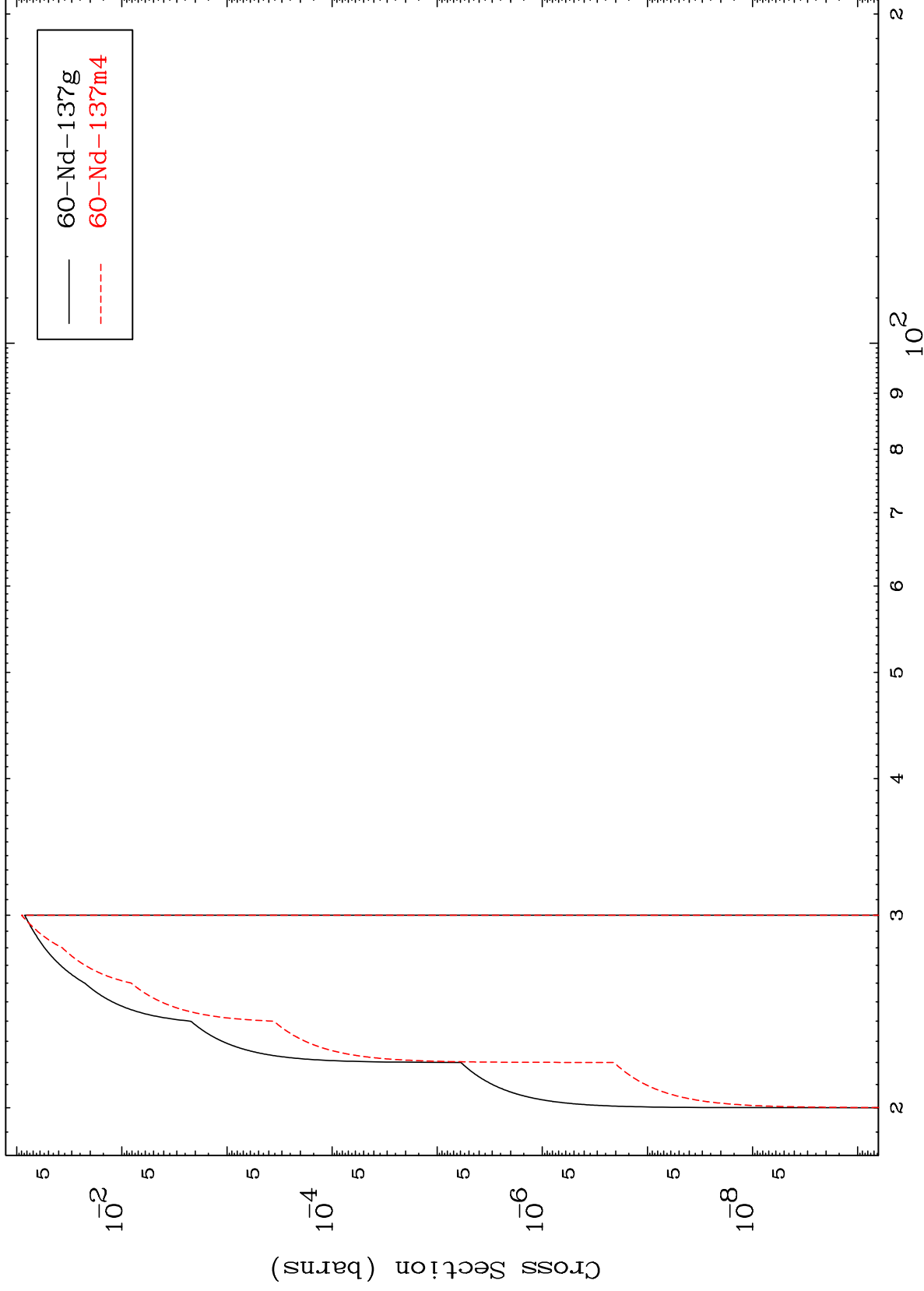
60-Nd-139

MAT 6016

(n,2n) p

60-Nd-139

Radionuclide Production Cross Section



15

Incident Energy (MeV)

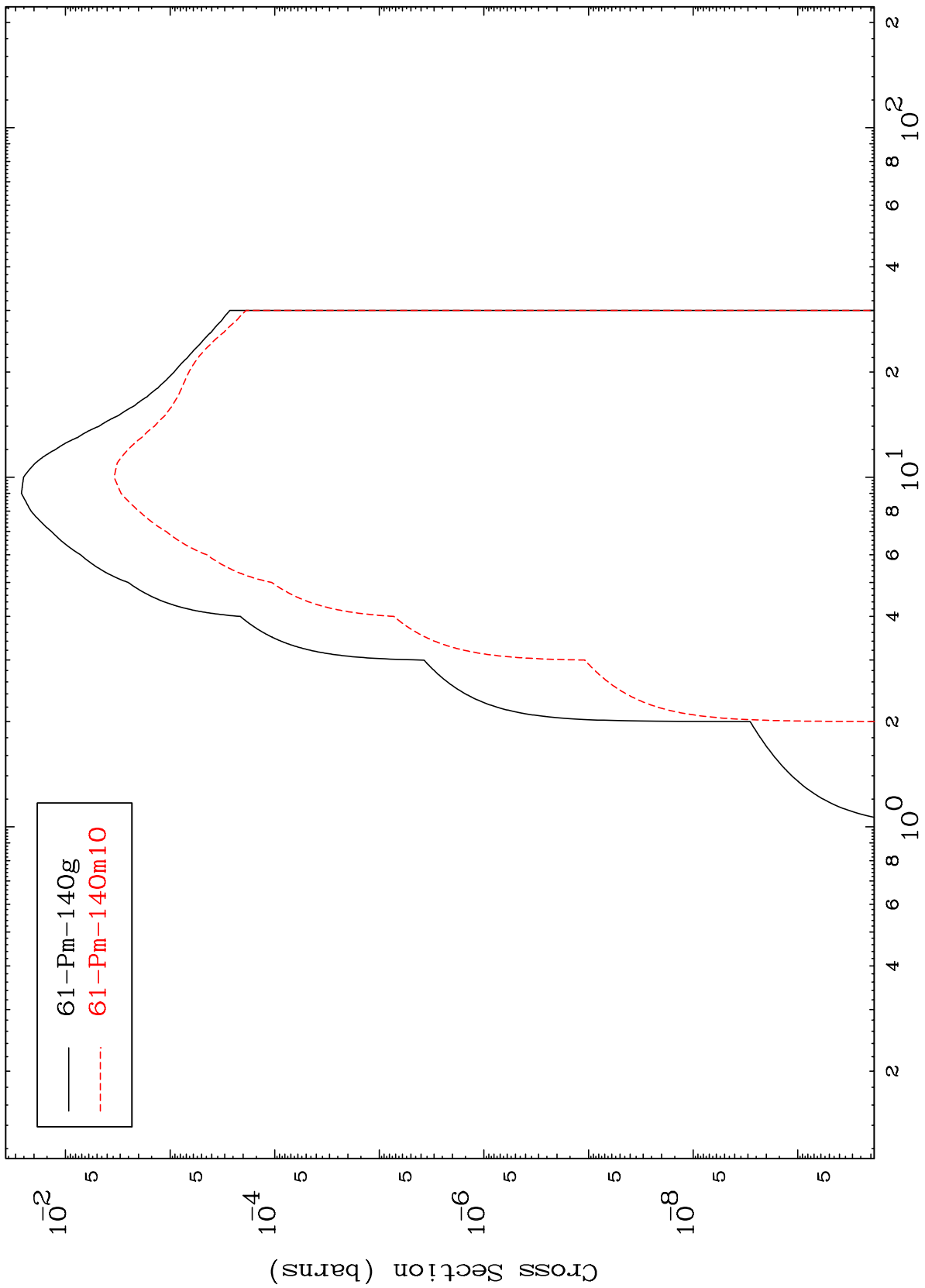
60-Nd-139



MAT 6016

60-Nd-139

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



— 61-Pm-140g  
- - - 61-Pm-140m10

16

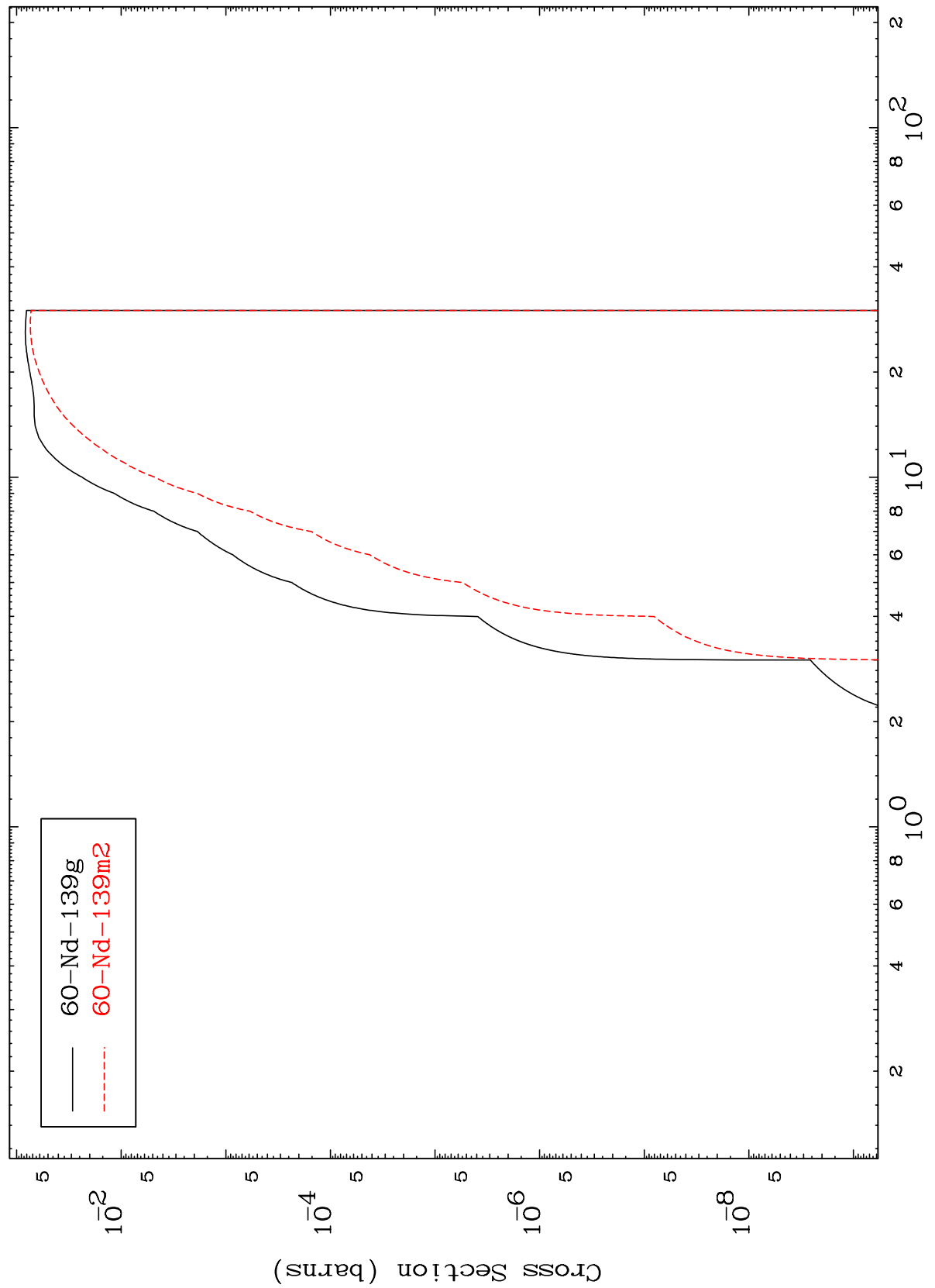
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

(n,p)  
Radionuclide Production Cross Section



60-Nd-139

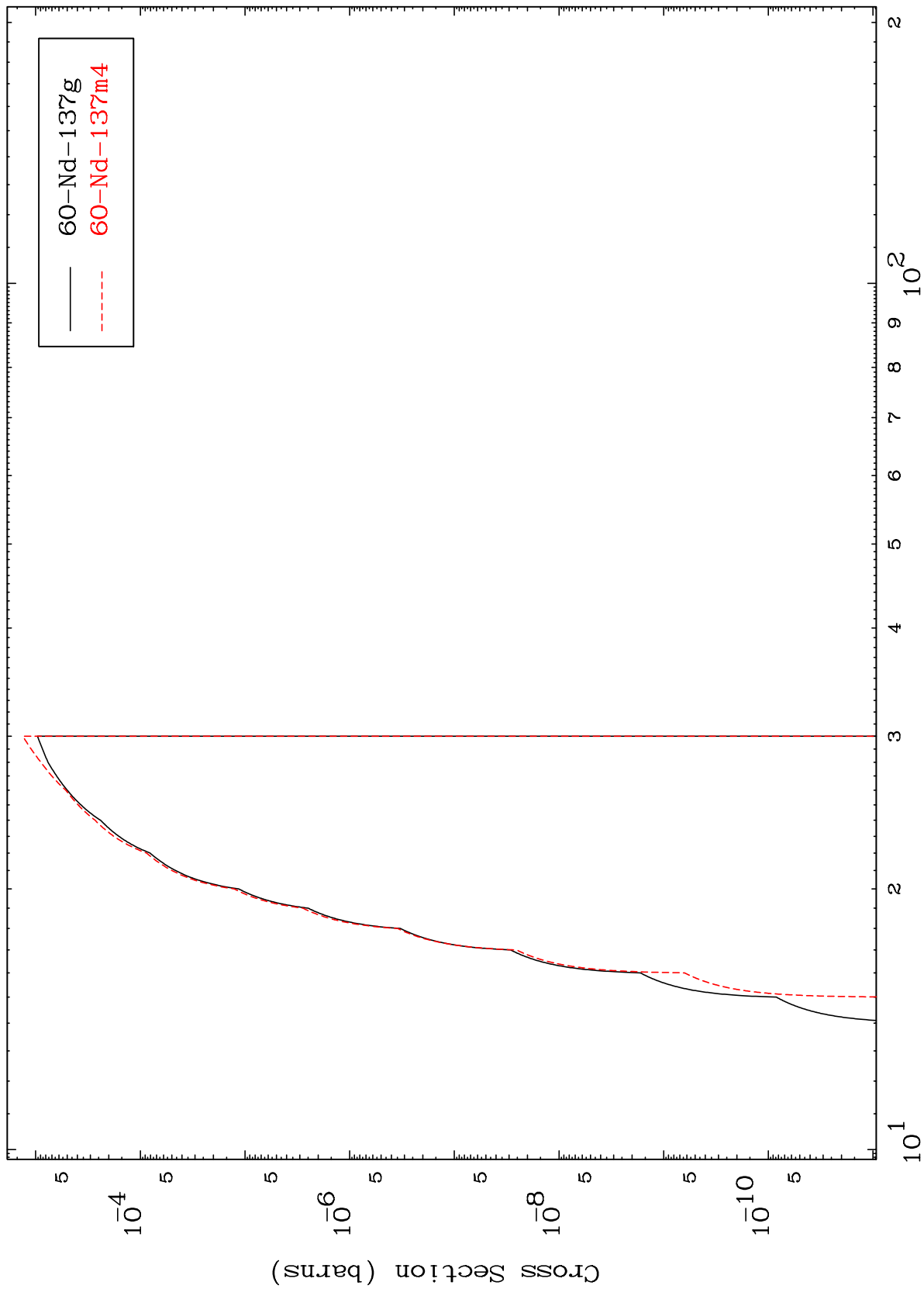
Incident Energy (MeV)

17

MAT 6016

60-Nd-139

(n,t)  
Radionuclide Production Cross Section



60-Nd-139

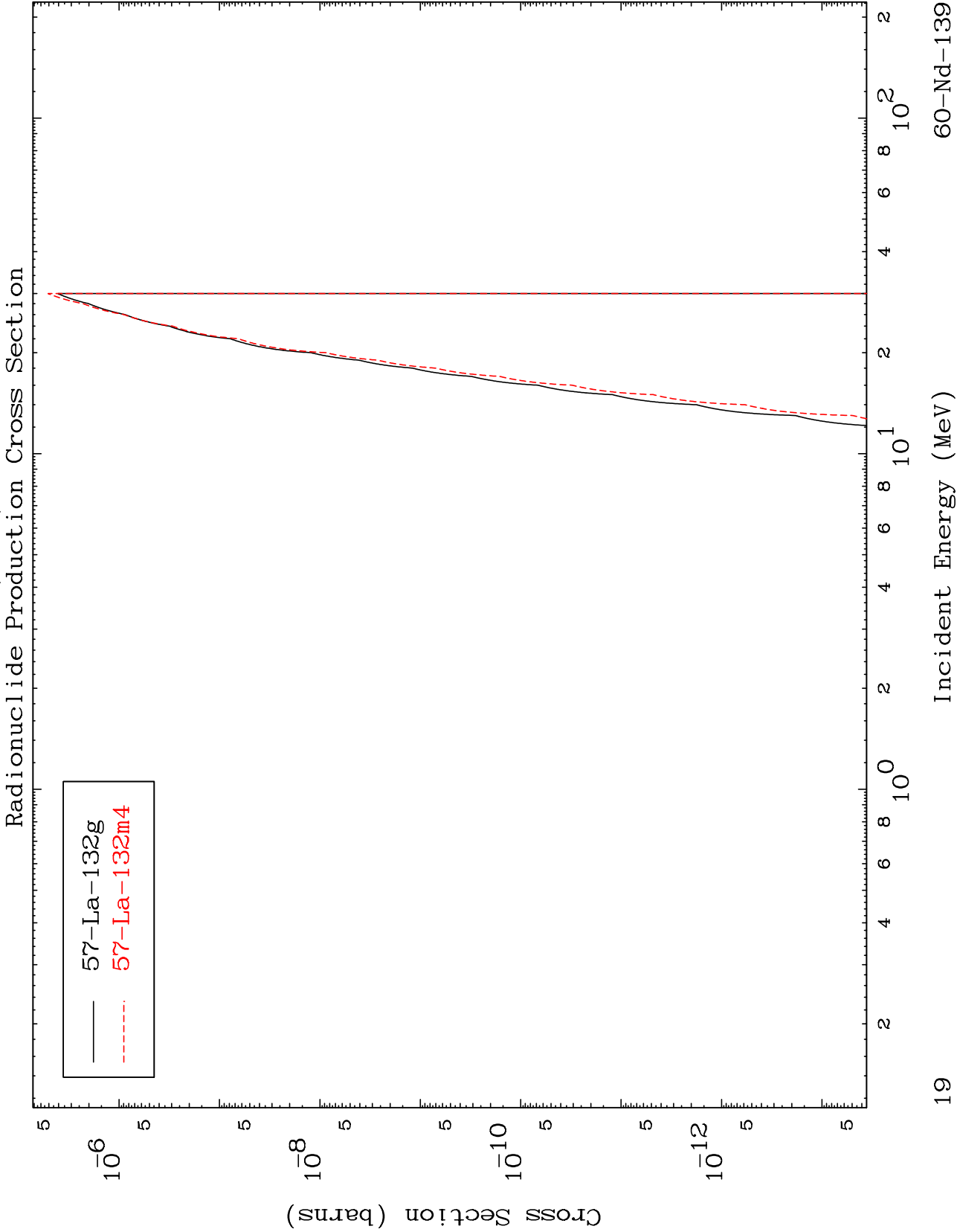
Incident Energy (MeV)

18

MAT 6016

(n,2α)

60-Nd-139

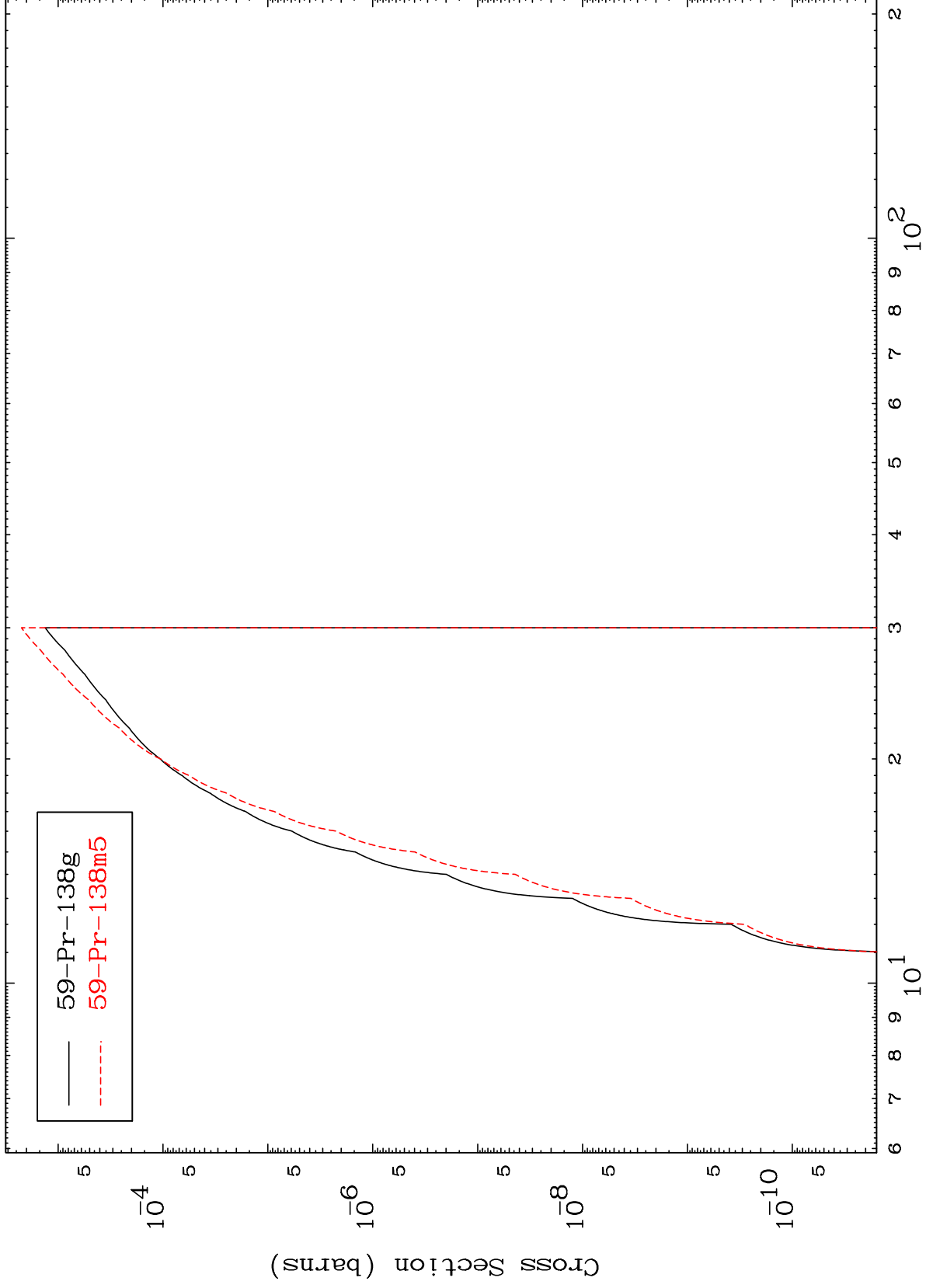


57-La-132g  
57-La-132m4

MAT 6016

60-Nd-139

Radionuclide Production Cross Section  
(n,2p)



20

Incident Energy (MeV)

60-Nd-139

MAT 6016

(n,p)  $\alpha$

60-Nd-139

