

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

Web:redcullen1.net/HOMEPAGE.NEW

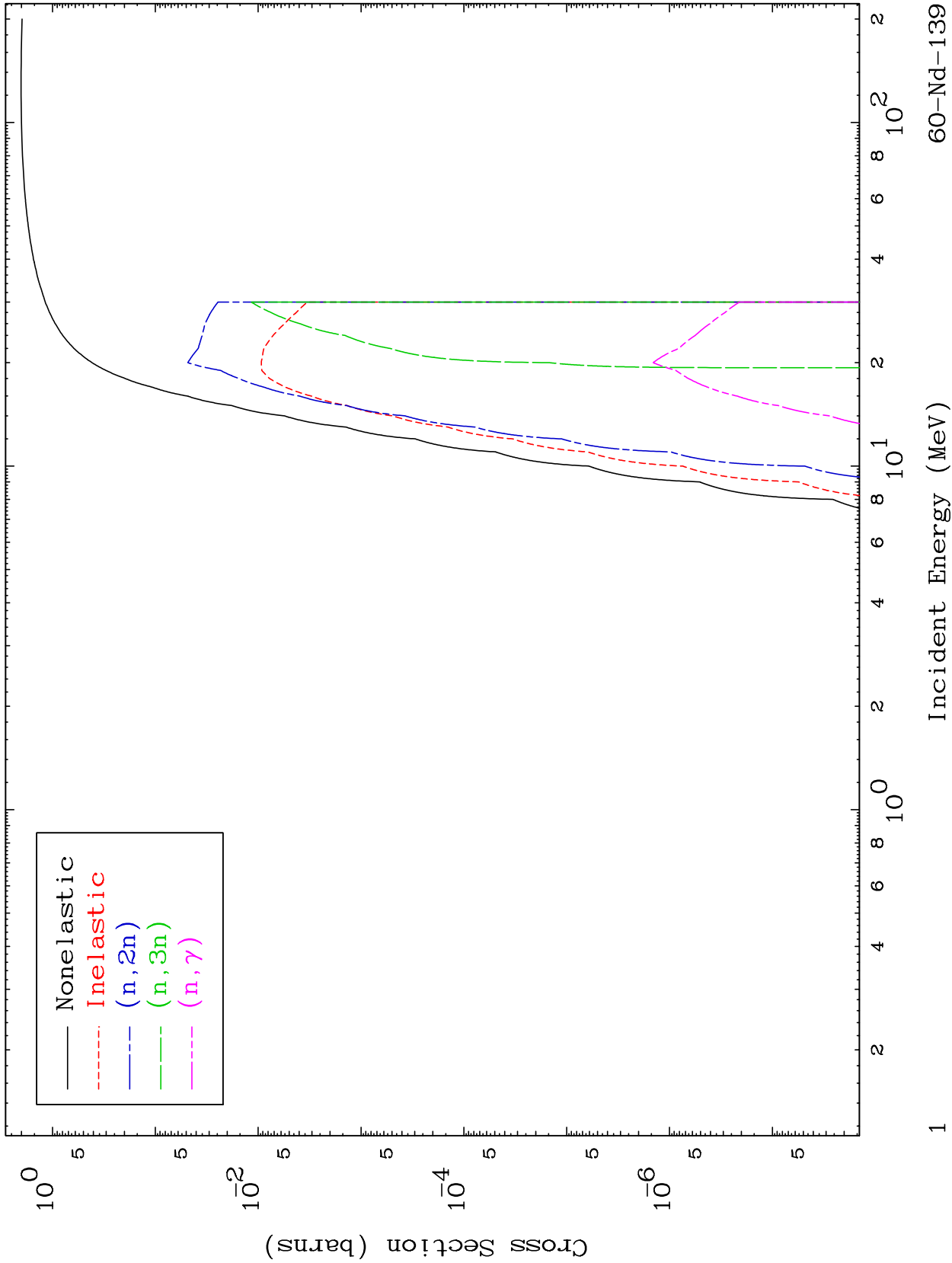
Press Mouse Button to Start

MAT 6016

He-3 Major

60-Nd-139

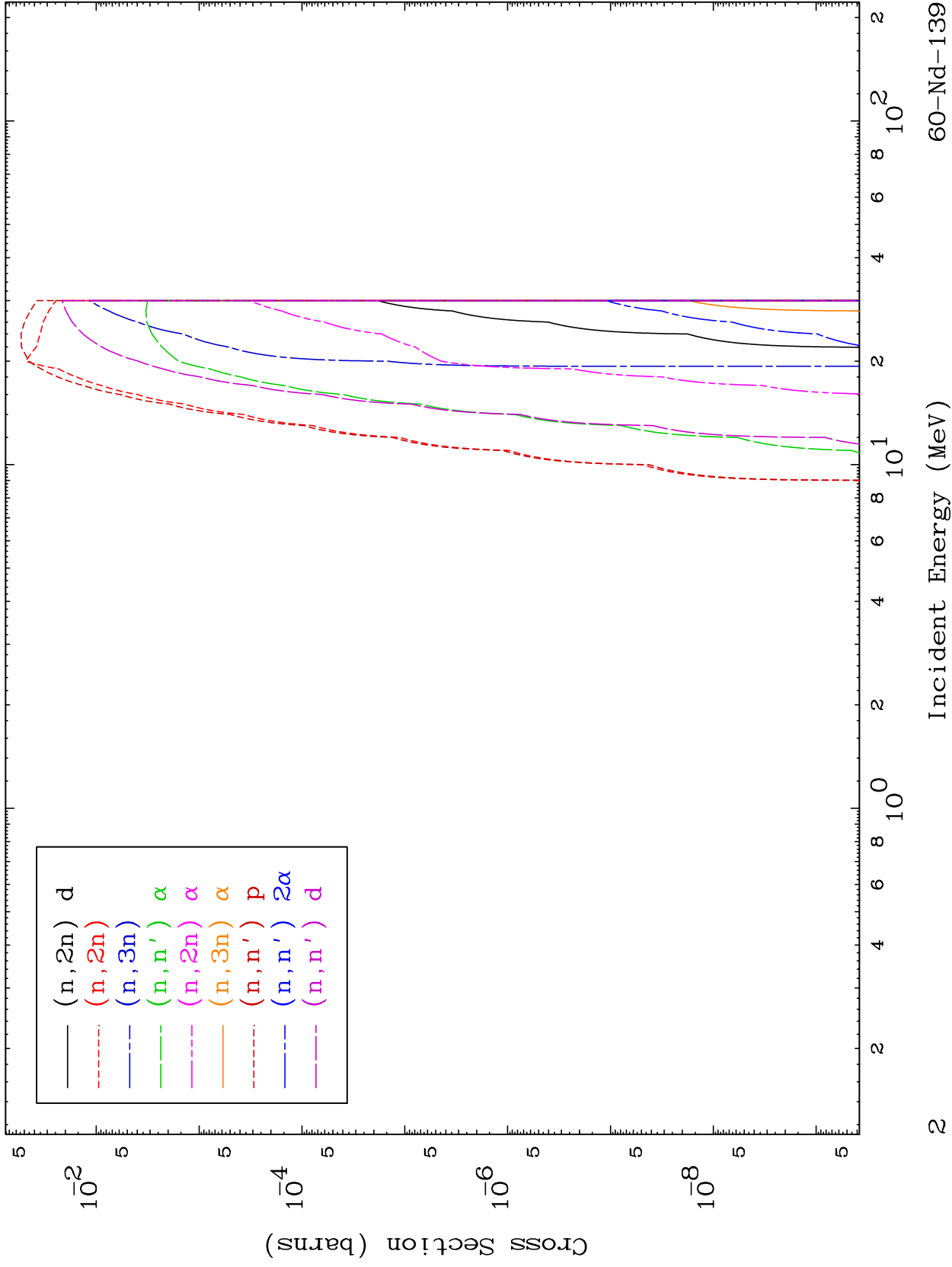
0 Kelvin Cross Sections



MAT 6016

He-3 Neutron Absorption  
0 Kelvin Cross Sections

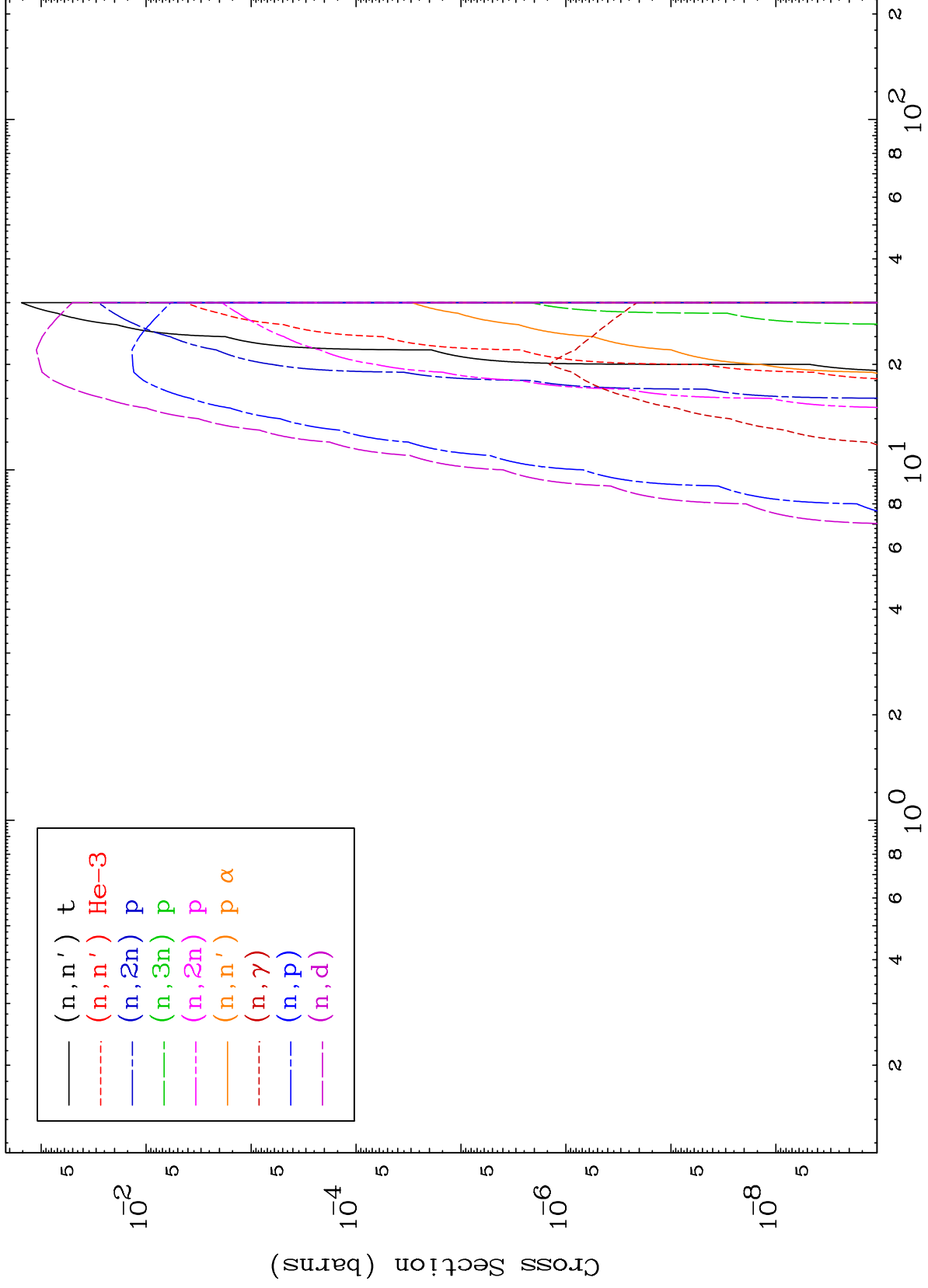
60-Nd-139

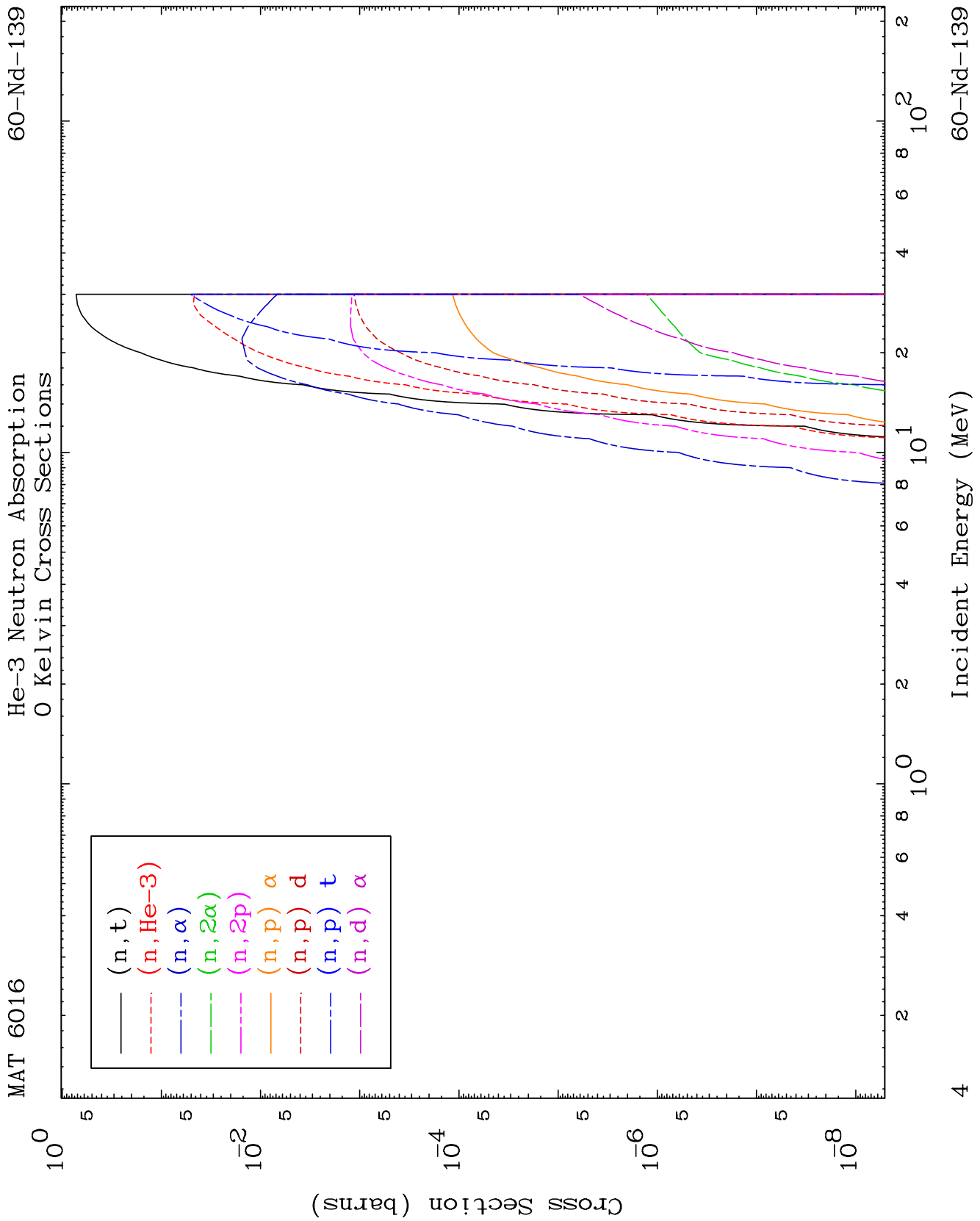


MAT 6016

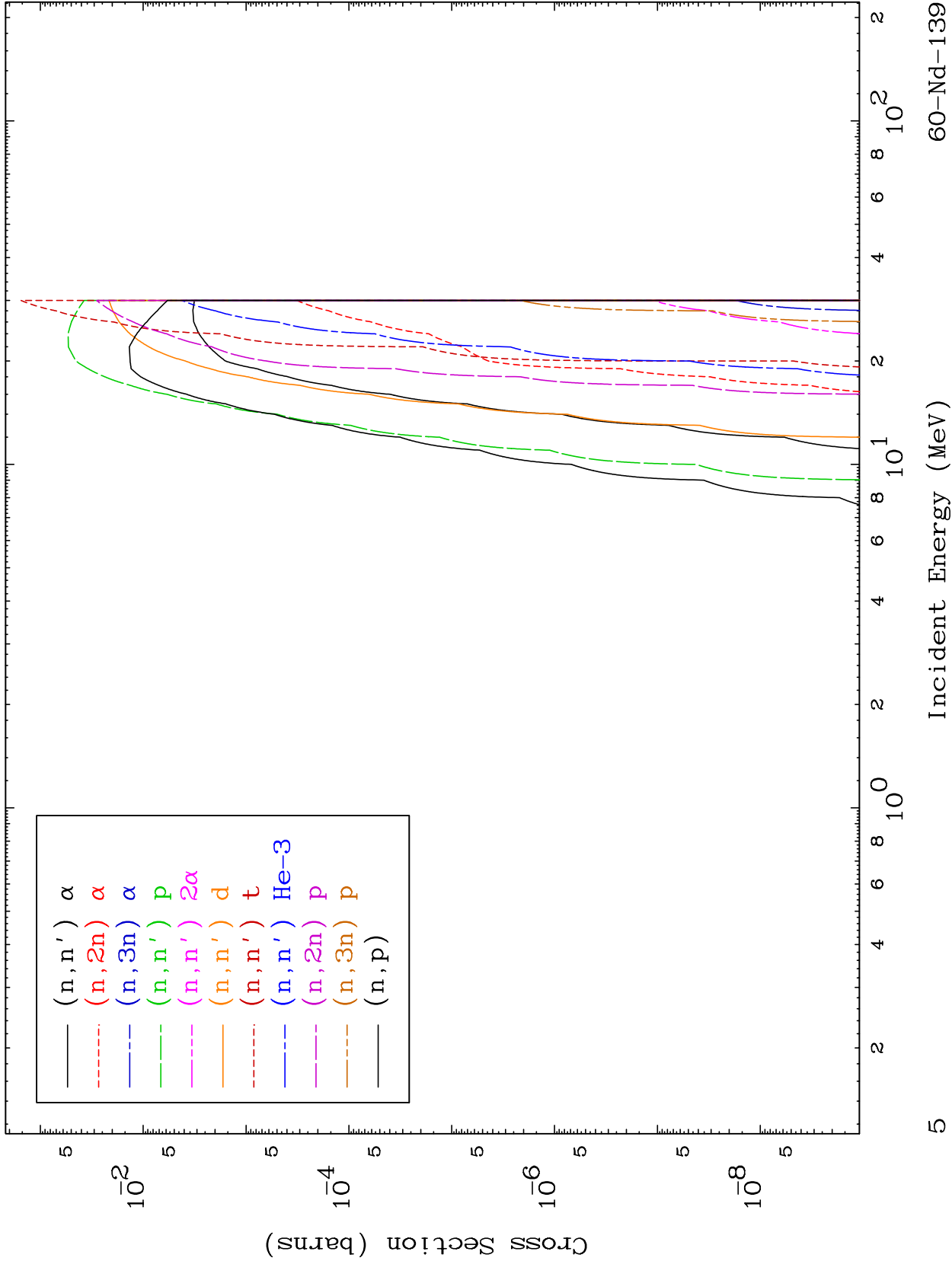
He-3 Neutron Absorption  
0 Kelvin Cross Sections

60-Nd-139





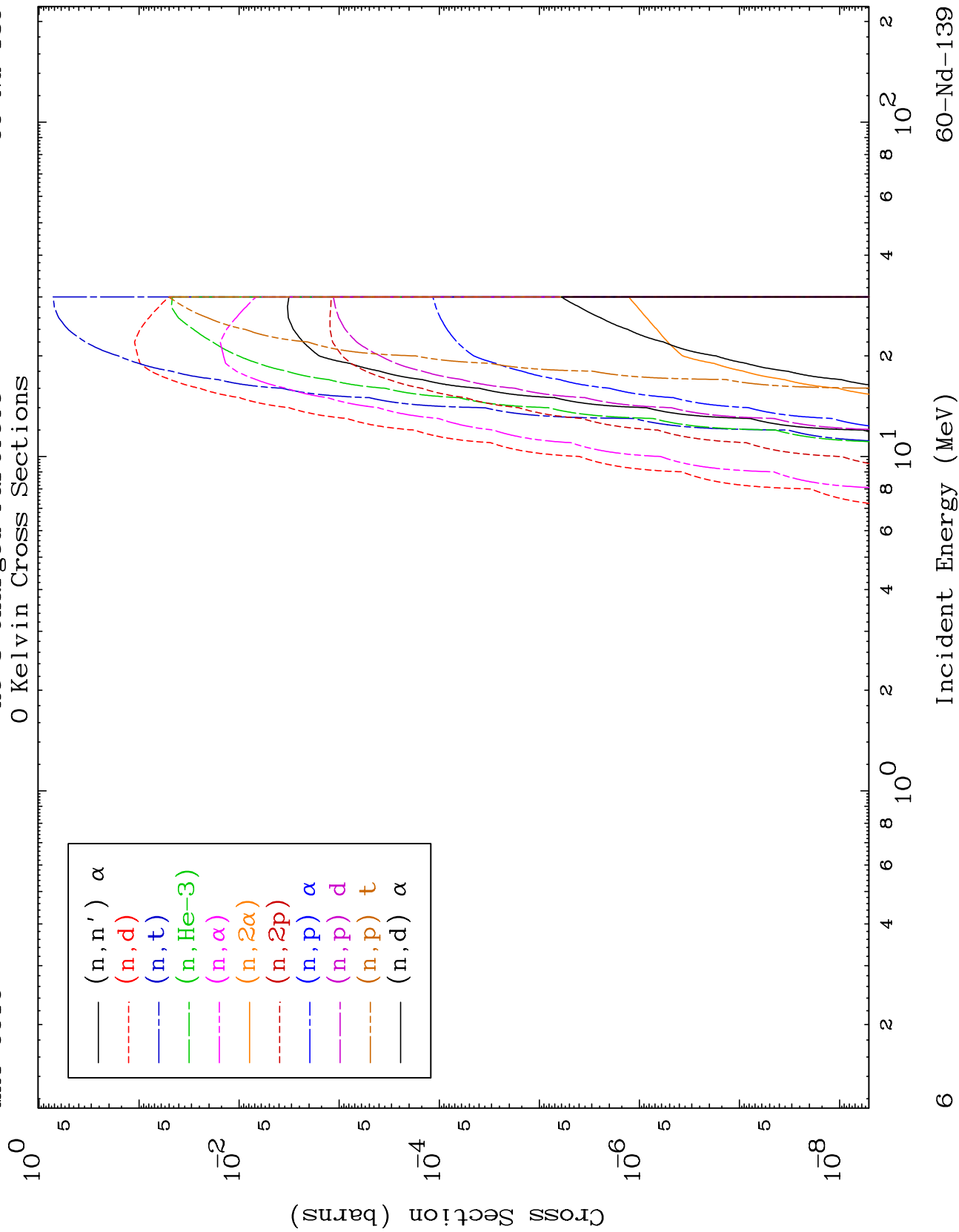
- (n, t)
- (n, He-3)
- (n,  $\alpha$ )
- (n,  $2\alpha$ )
- (n,  $2p$ )
- (n, p)  $\alpha$
- (n, p) d
- (n, p) t
- (n, d)  $\alpha$



MAT 6016

He-3 Charged Particle  
0 Kelvin Cross Sections

60-Nd-139

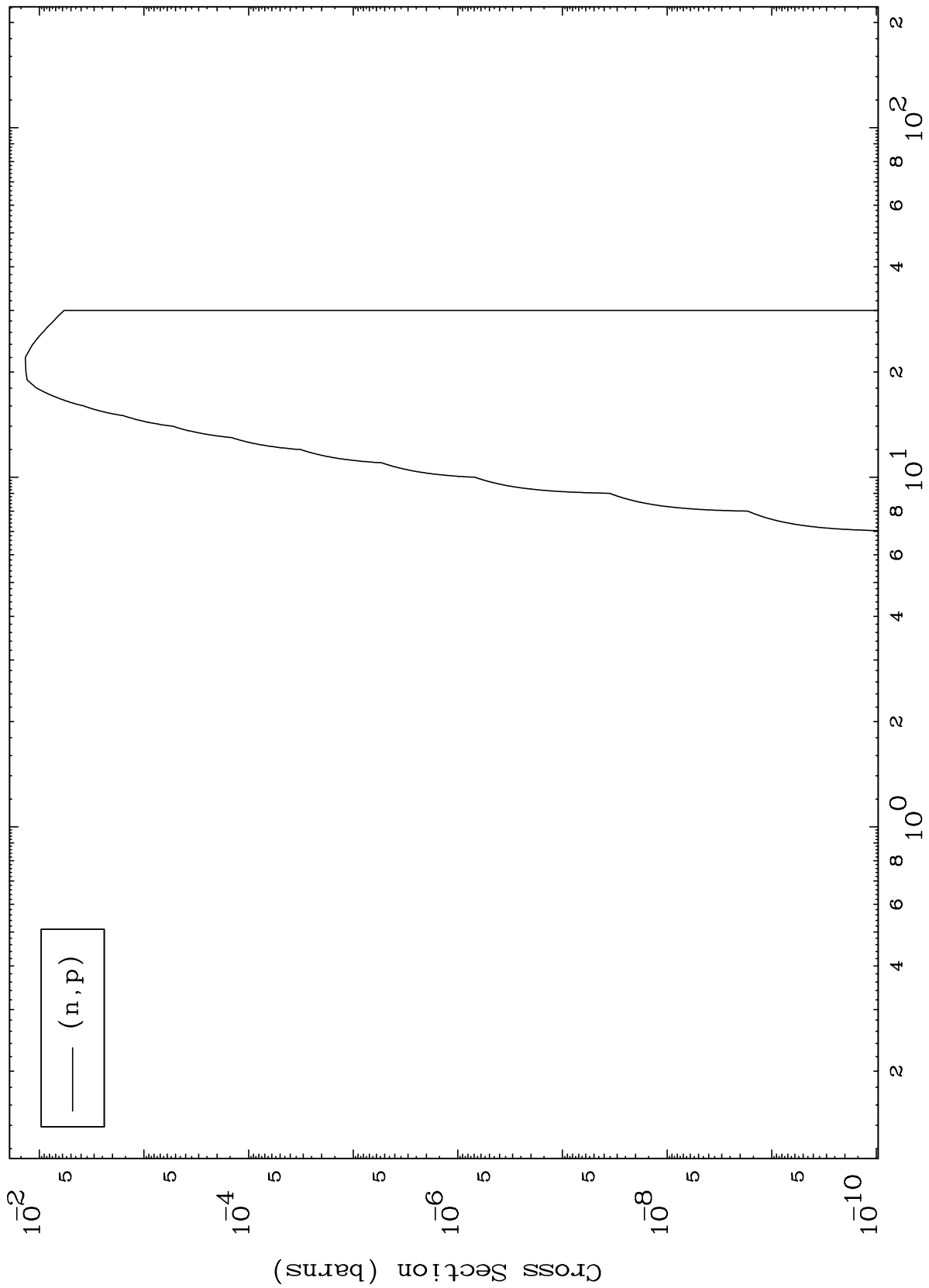


MAT 6016

(He-3,p) Levels

60-Nd-139

0 Kelvin Cross Sections



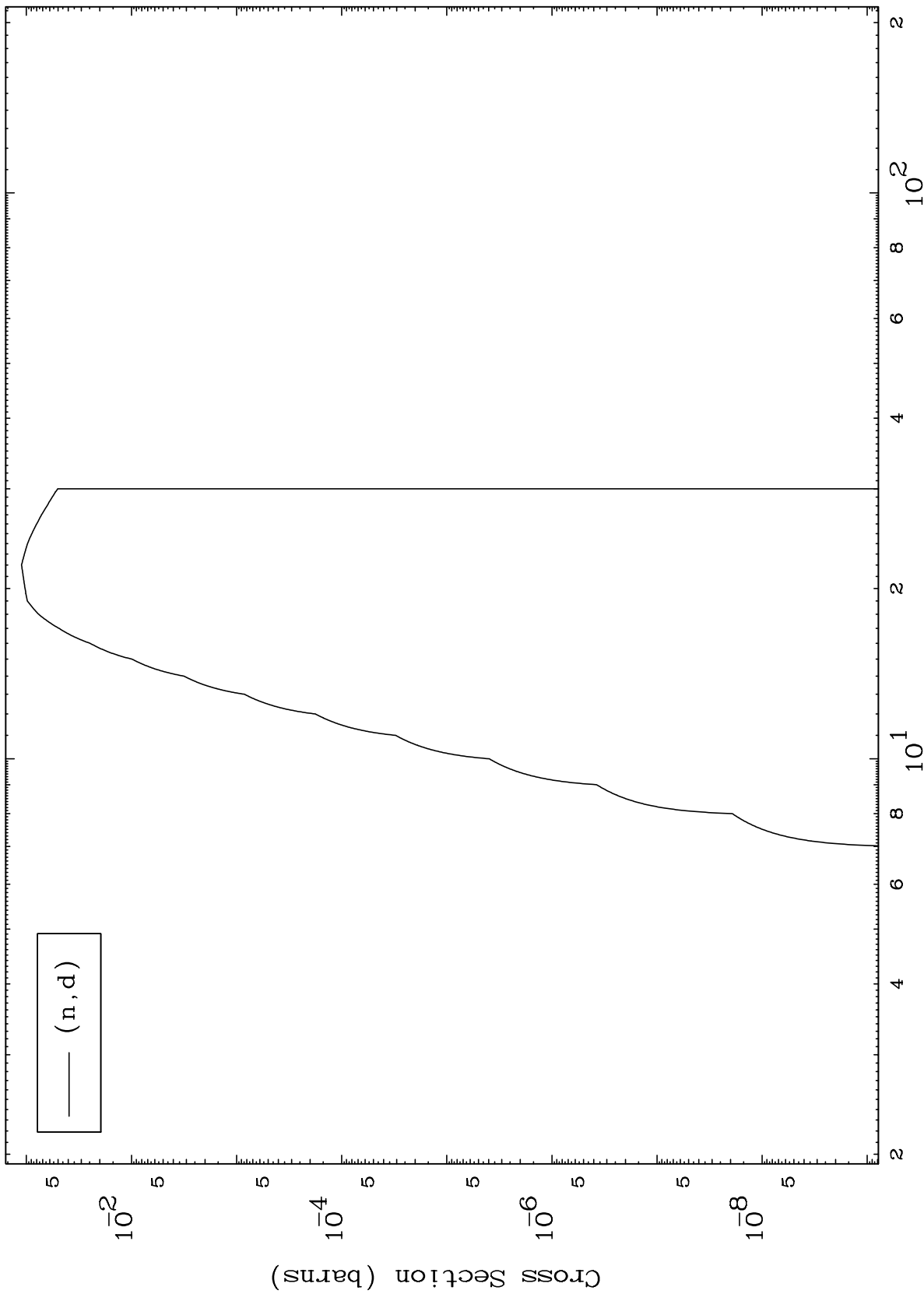


MAT 6016

(He-3,d) Levels

60-Nd-139

0 Kelvin Cross Sections



8

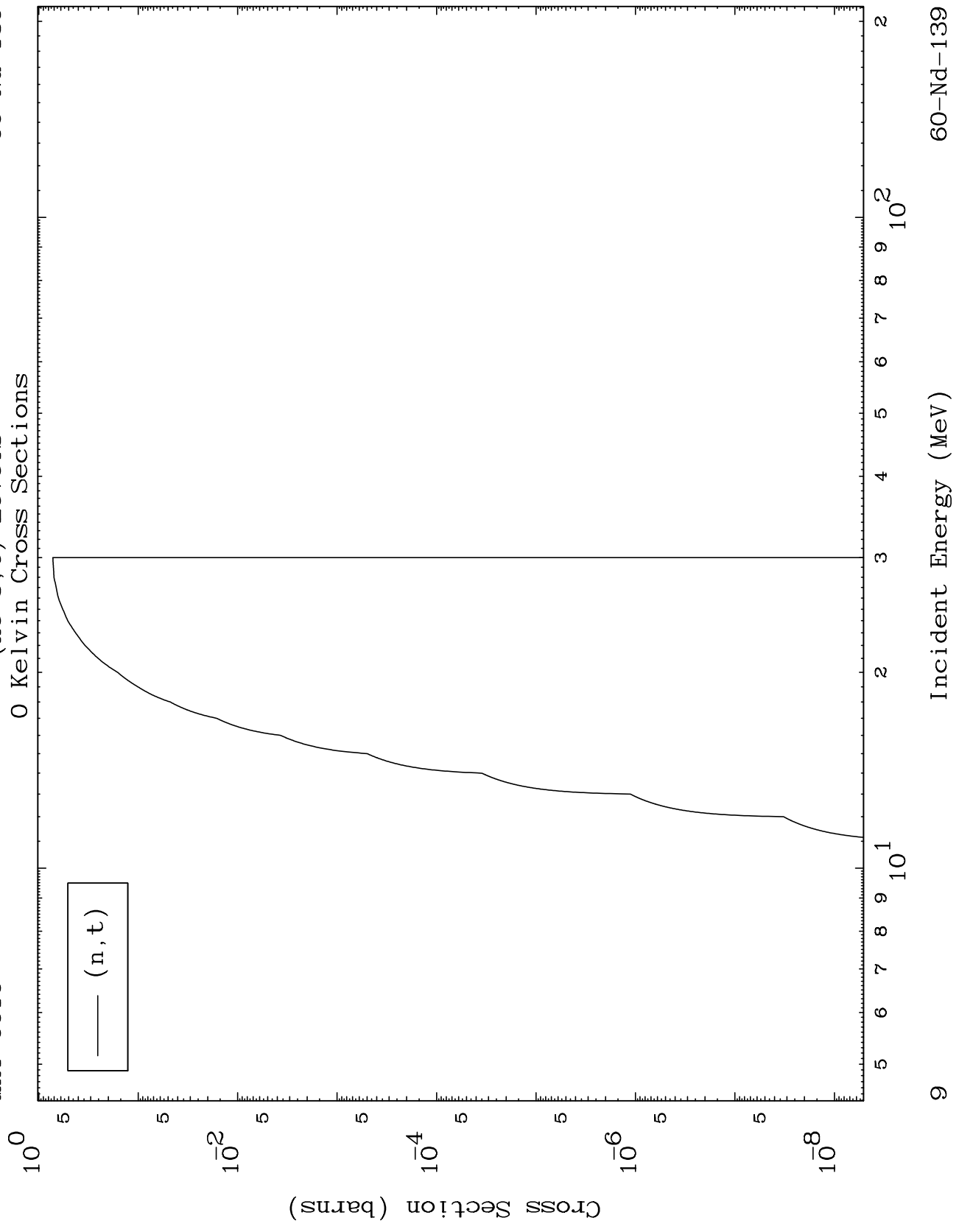
Incident Energy (MeV)

60-Nd-139

MAT 6016

(He-3,t) Levels

60-Nd-139

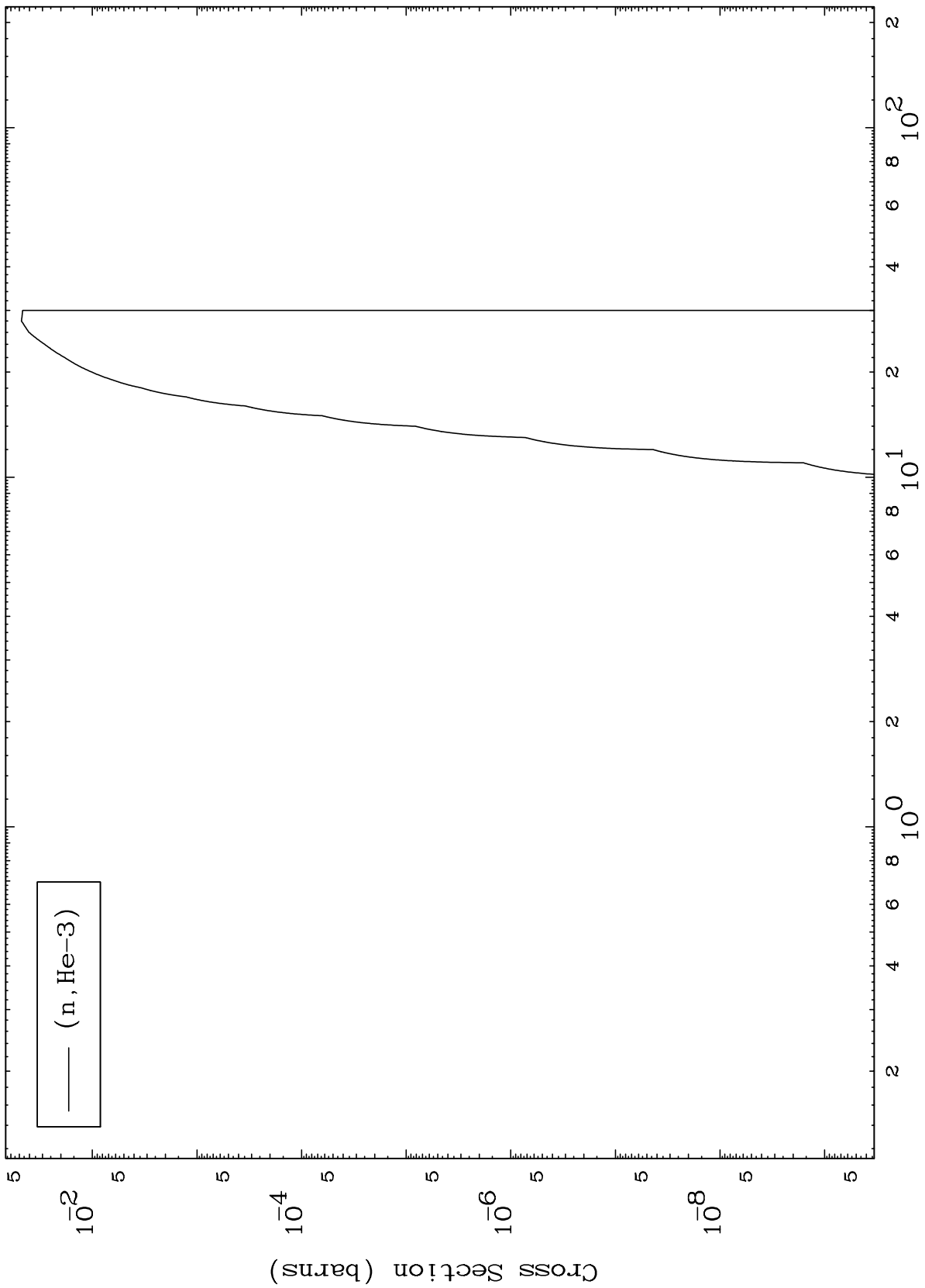


MAT 6016

(He-3, He3) Levels

60-Nd-139

0 Kelvin Cross Sections



10

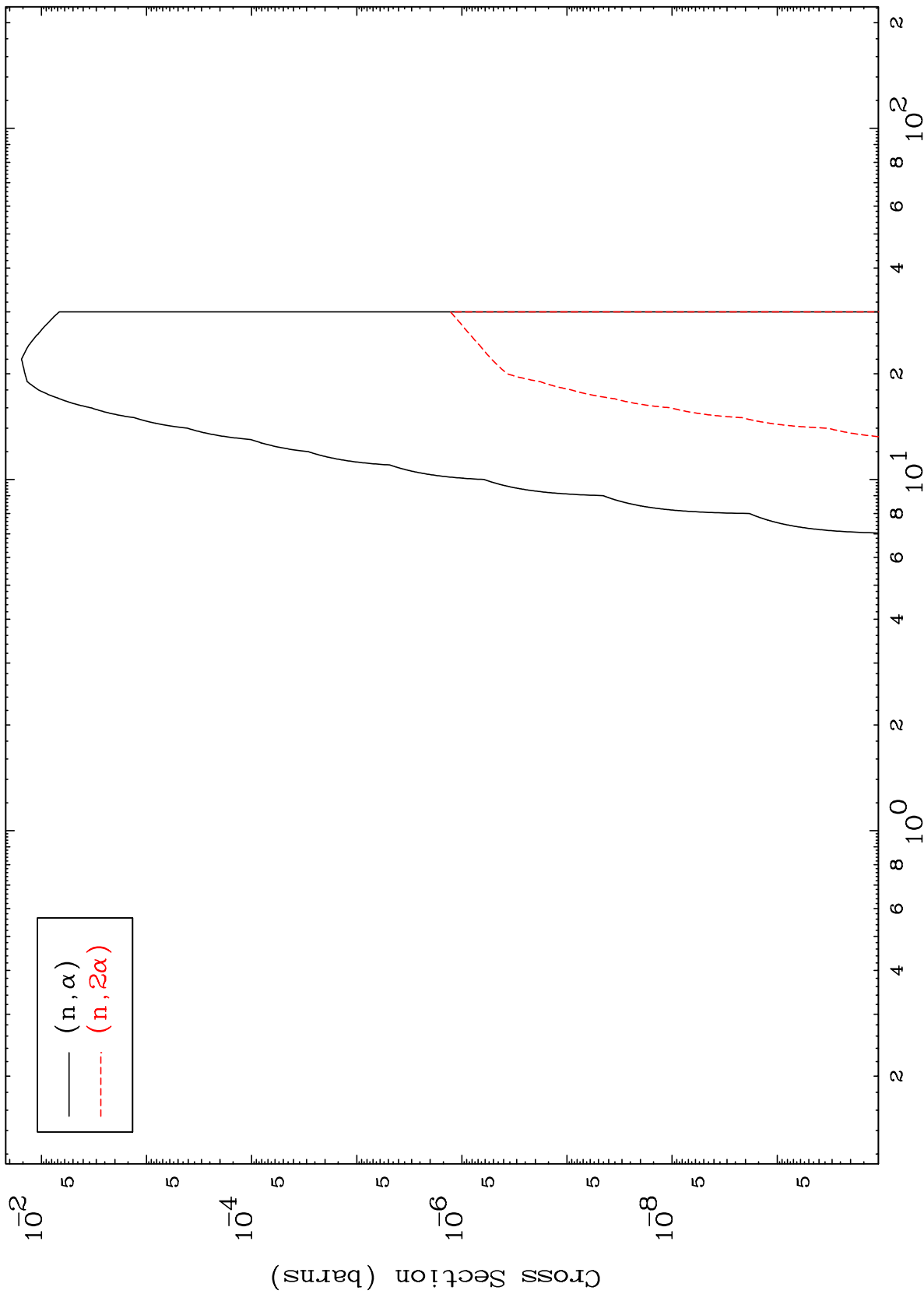
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

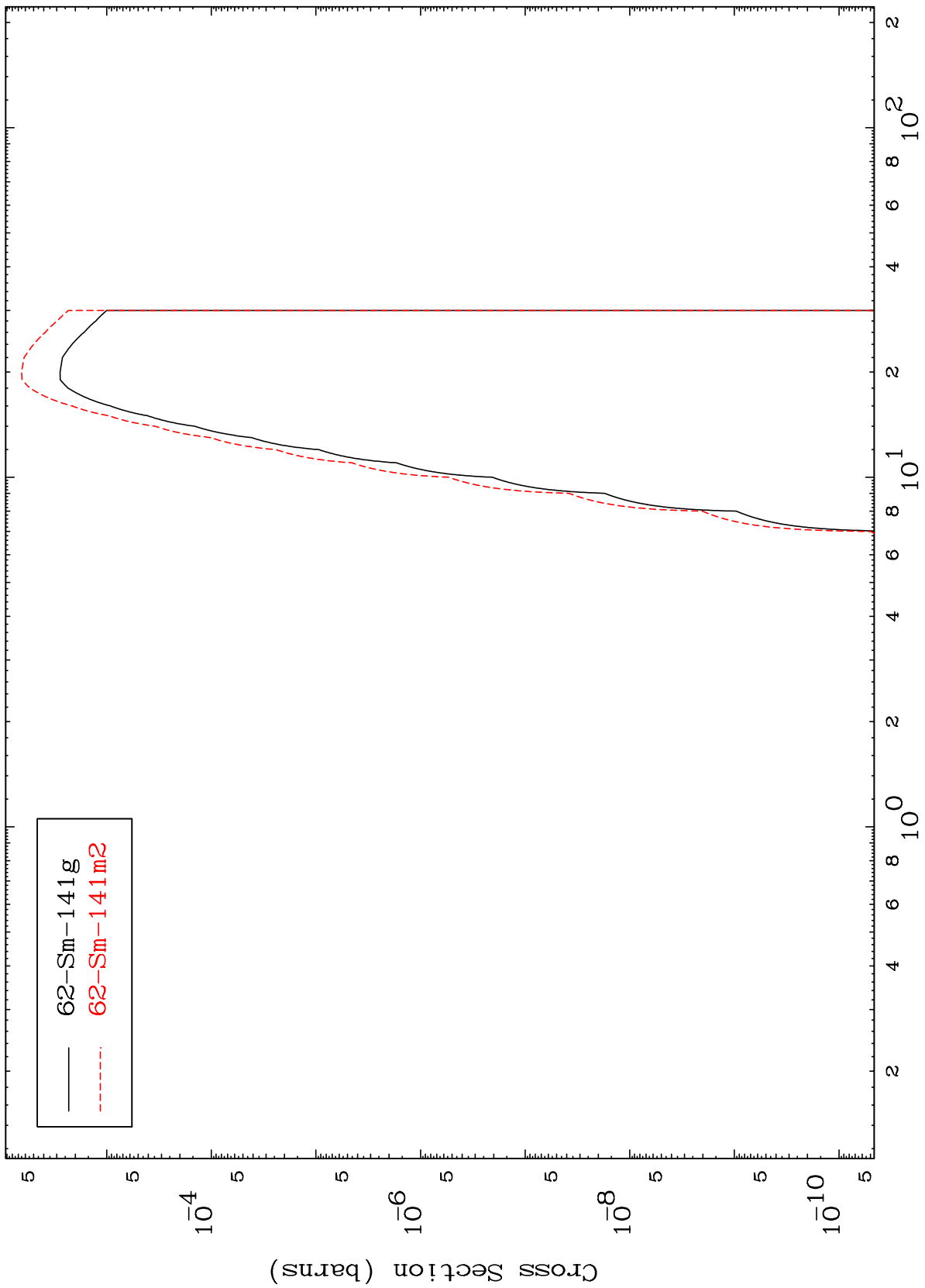
(He-3,  $\alpha$ ) Levels  
0 Kelvin Cross Sections



MAT 6016

60-Nd-139

Inelastic  
Radionuclide Production Cross Section



60-Nd-139

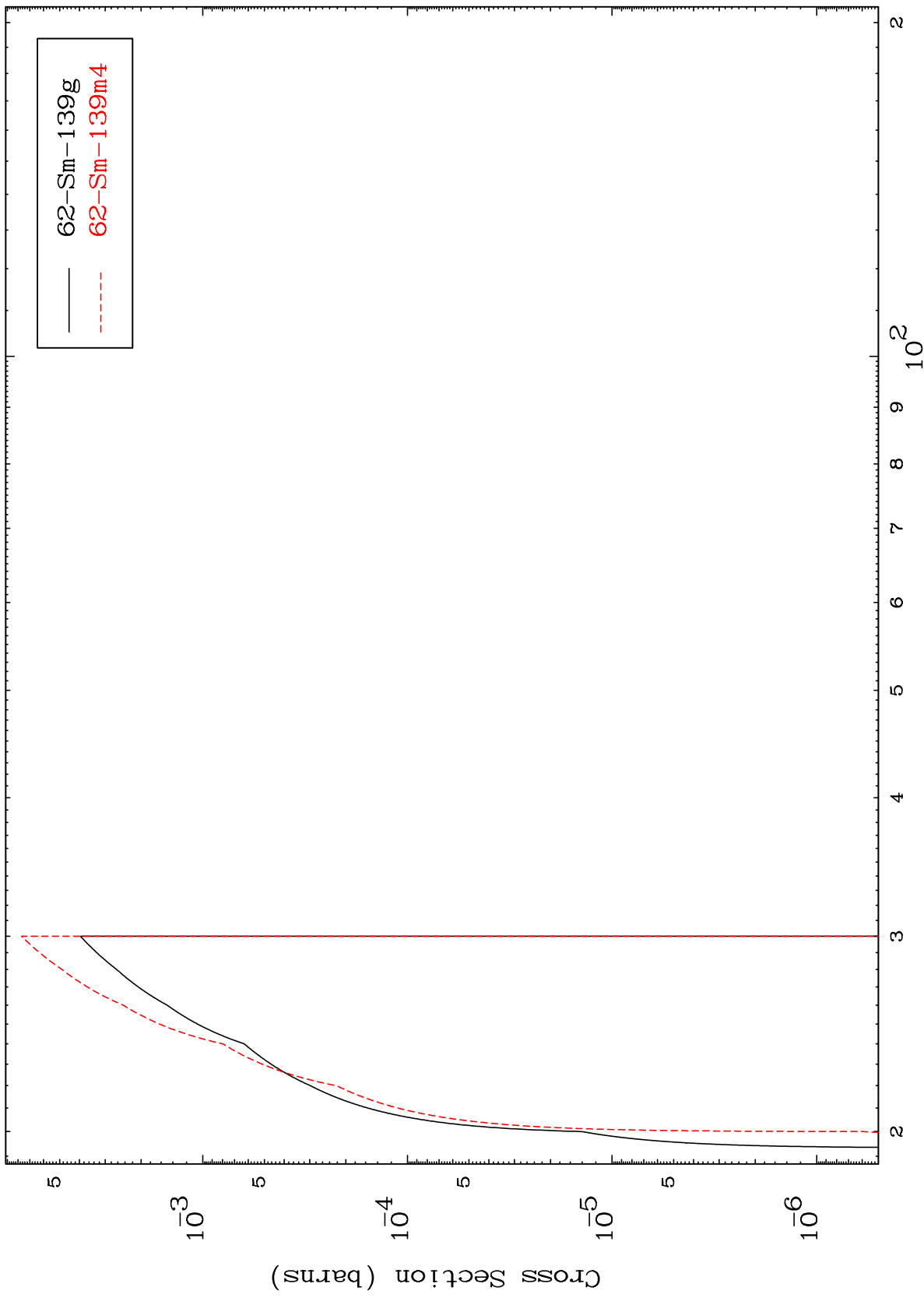
Incident Energy (MeV)

12

MAT 6016

60-Nd-139

(n,3n)  
Radionuclide Production Cross Section



13

Incident Energy (MeV)

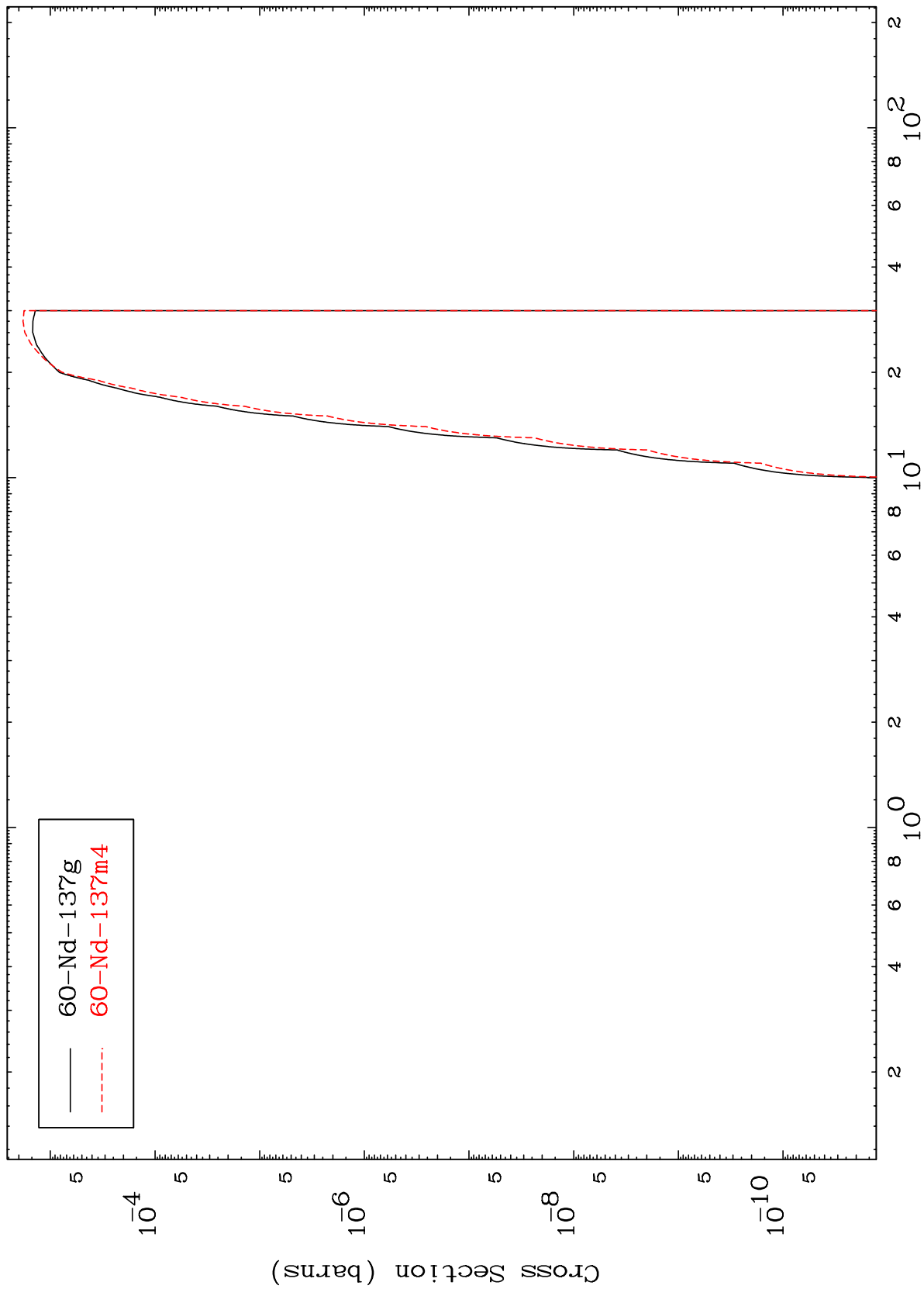
60-Nd-139

MAT 6016

$(n, n') \alpha$

60-Nd-139

Radionuclide Production Cross Section

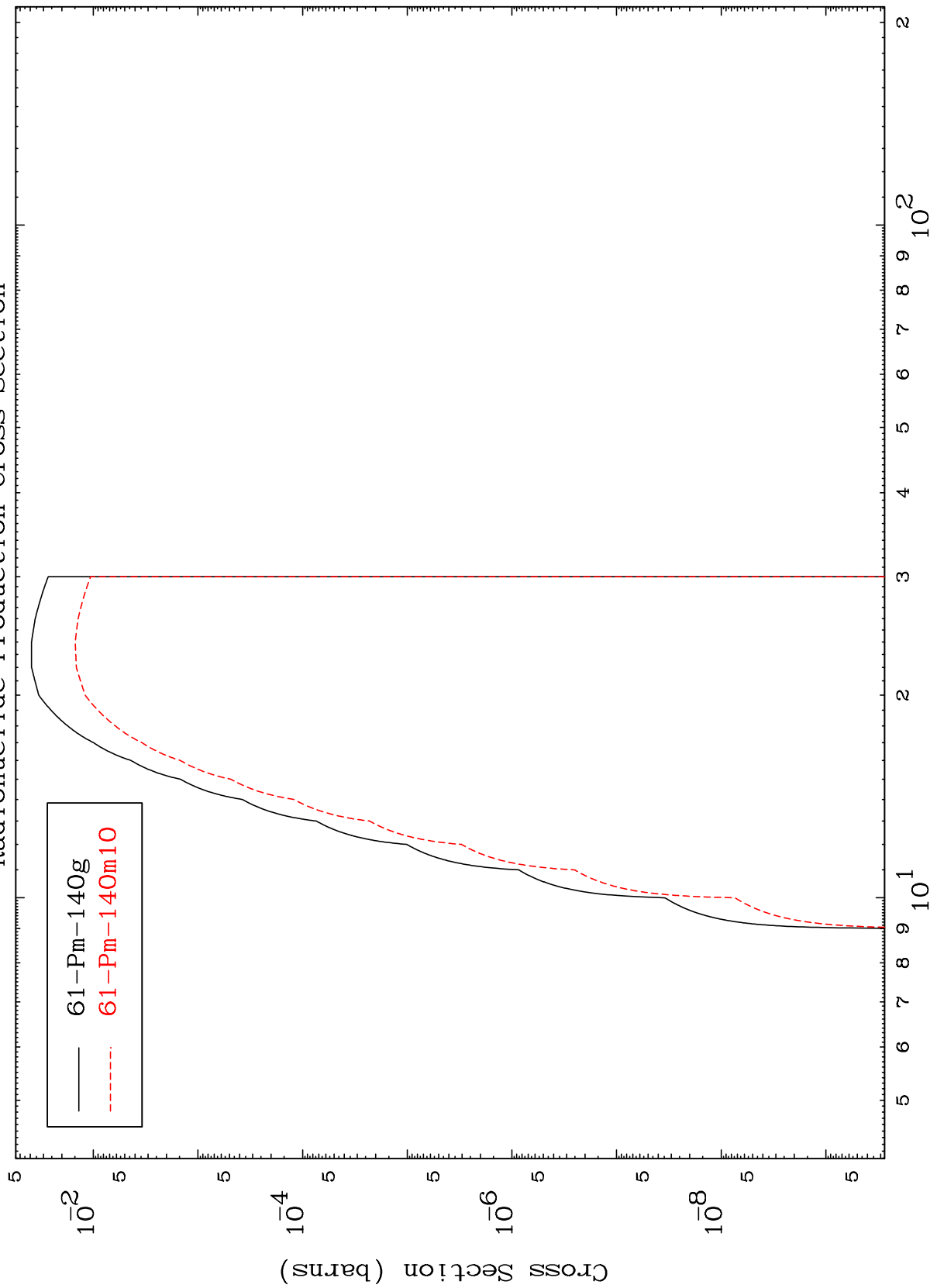


MAT 6016

(n,n') p

60-Nd-139

Radionuclide Production Cross Section



15

Incident Energy (MeV)

60-Nd-139

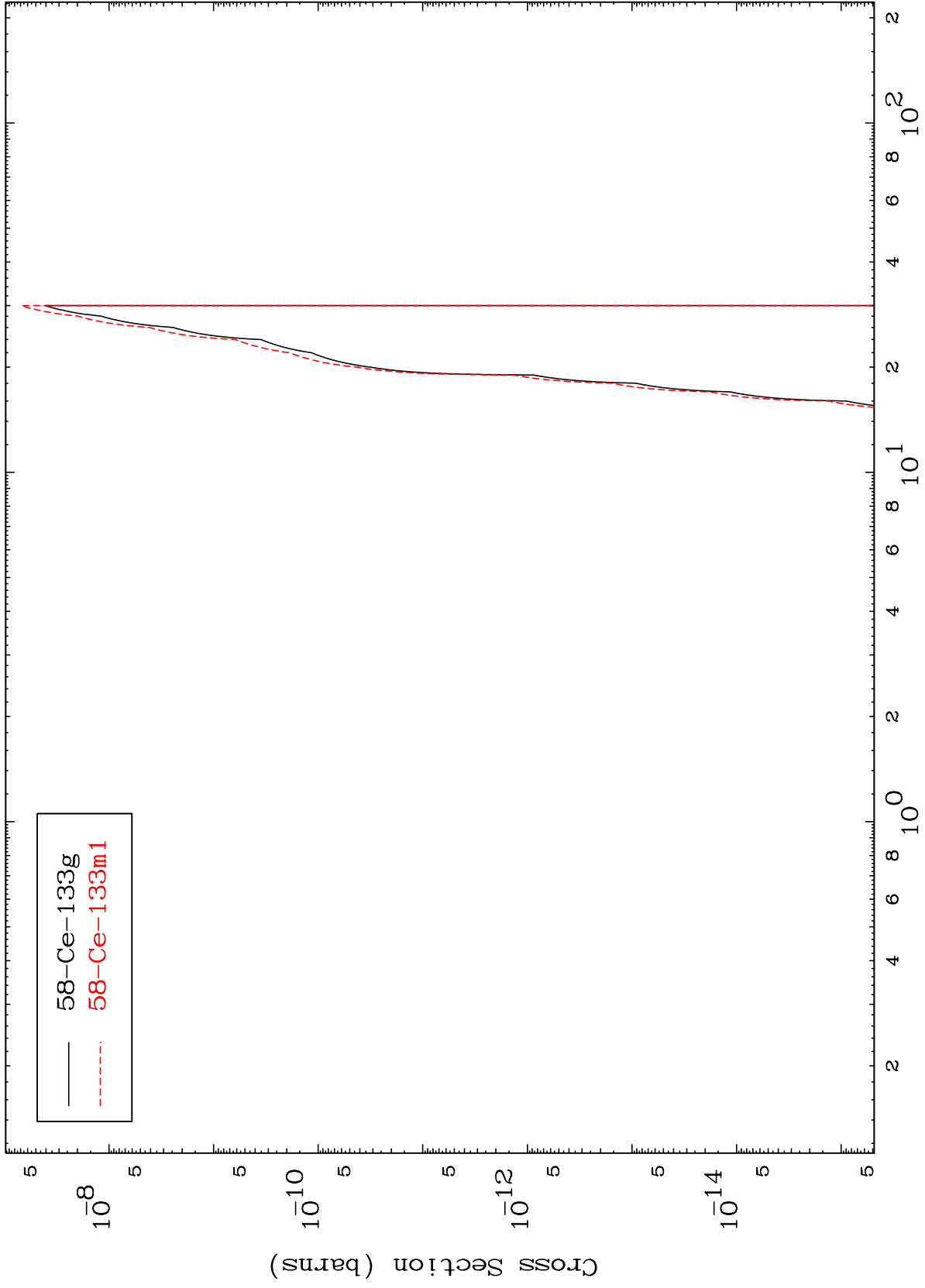


MAT 6016

(n,n') 2 $\alpha$

60-Nd-139

Radionuclide Production Cross Section



16

Incident Energy (MeV)

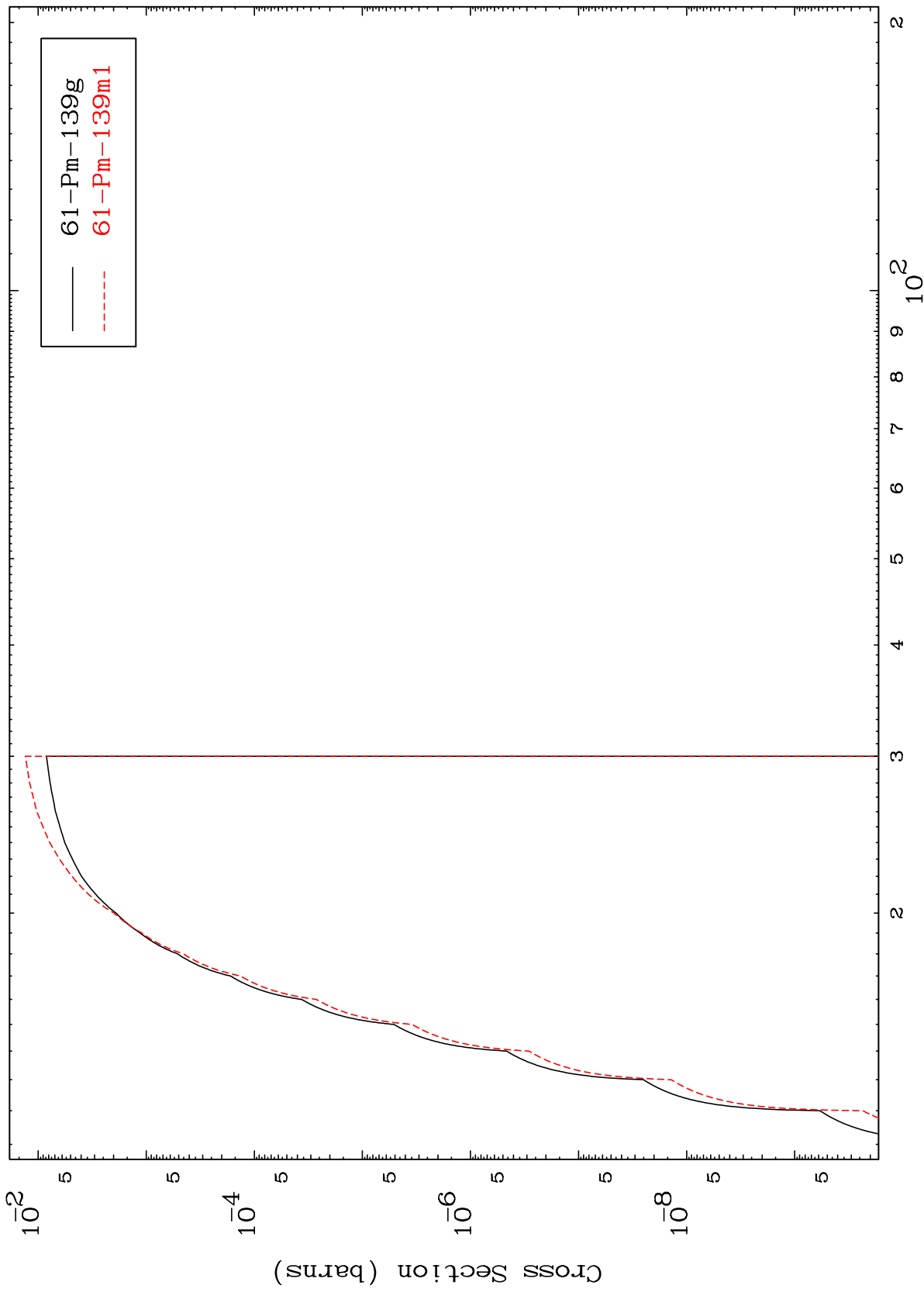
60-Nd-139

MAT 6016

(n,n') d

60-Nd-139

Radionuclide Production Cross Section



17

Incident Energy (MeV)

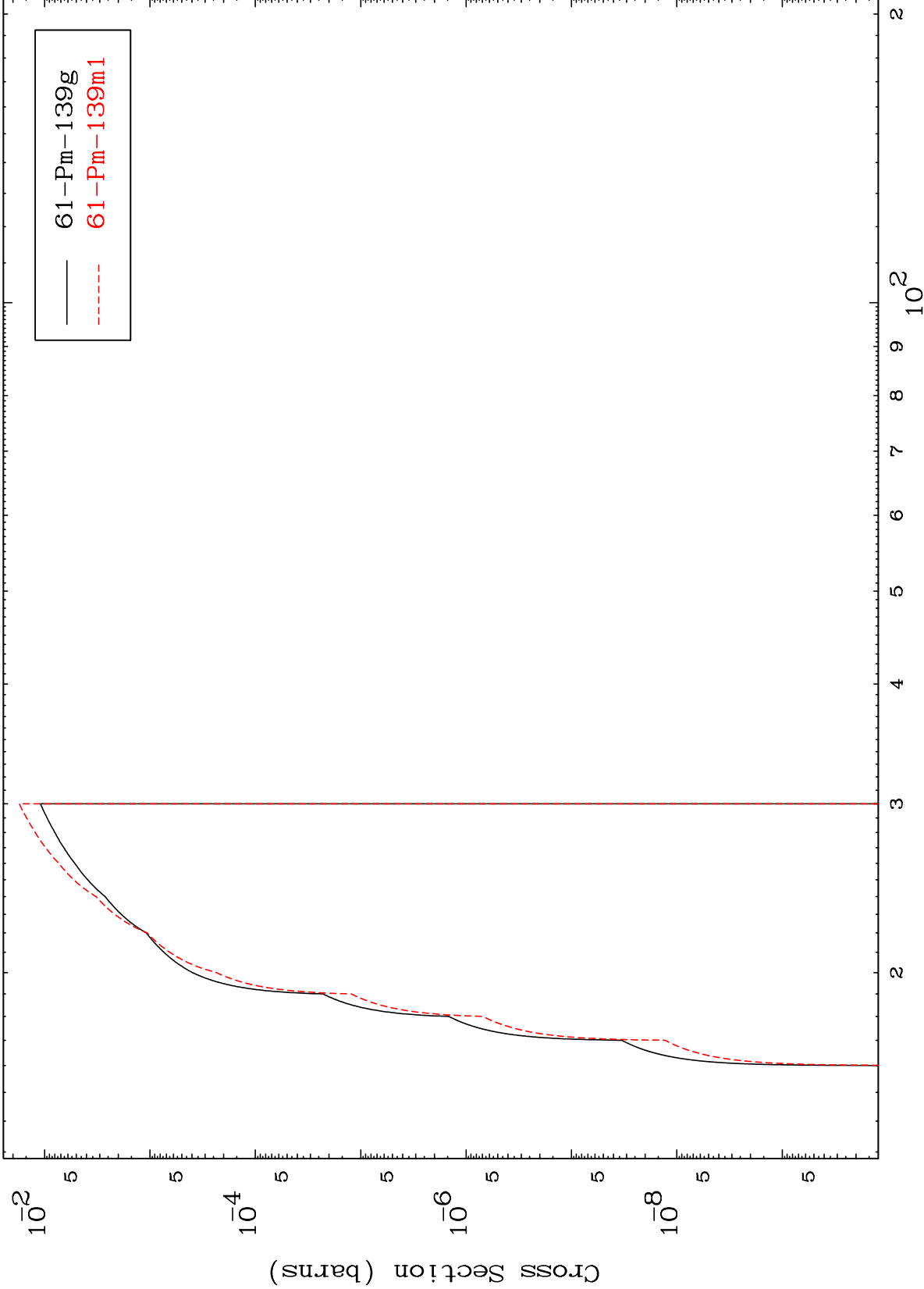
60-Nd-139

MAT 6016

(n,2n) p

60-Nd-139

Radionuclide Production Cross Section



18

Incident Energy (MeV)

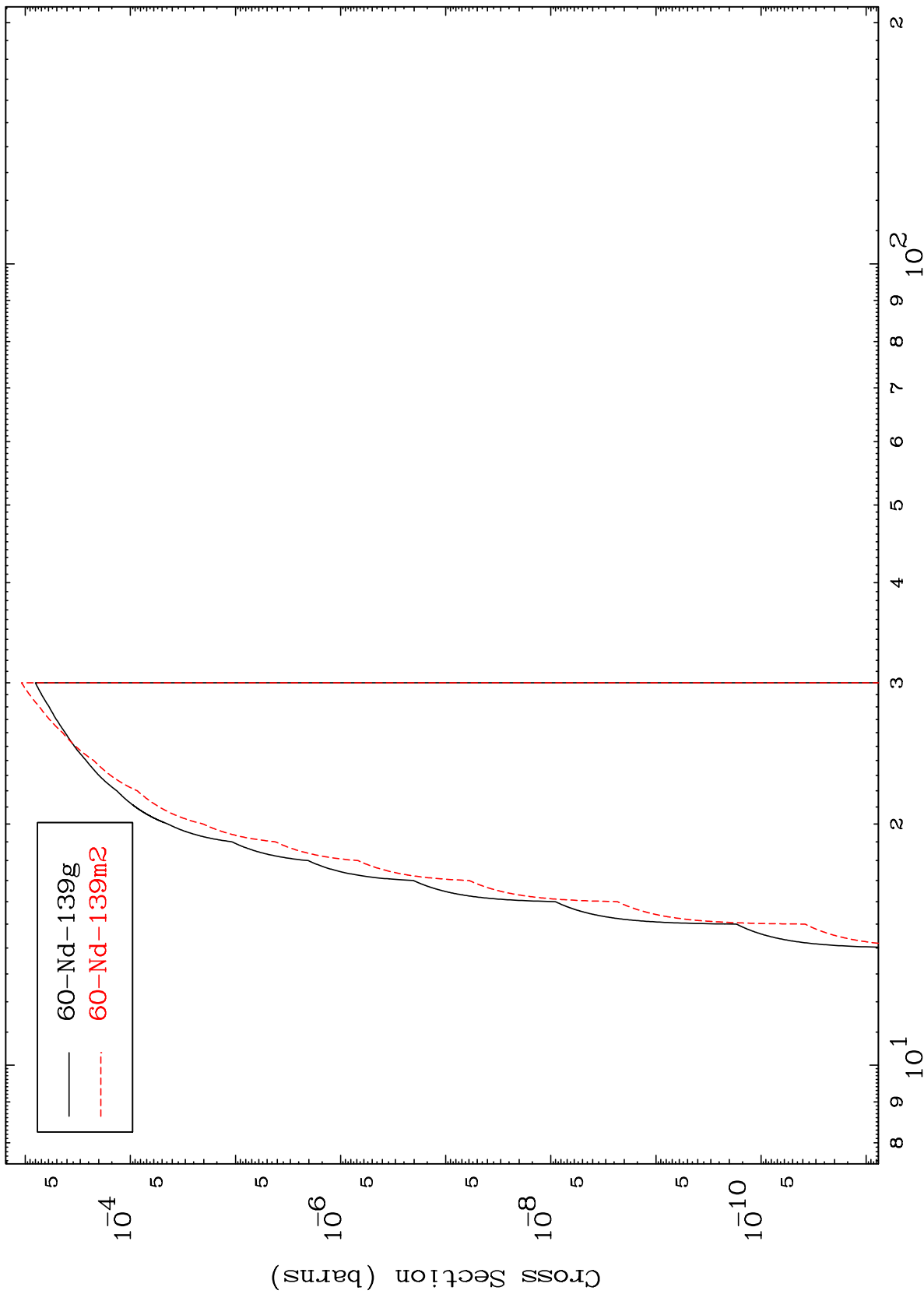
60-Nd-139

MAT 6016

(n,2n) p

60-Nd-139

Radionuclide Production Cross Section



19

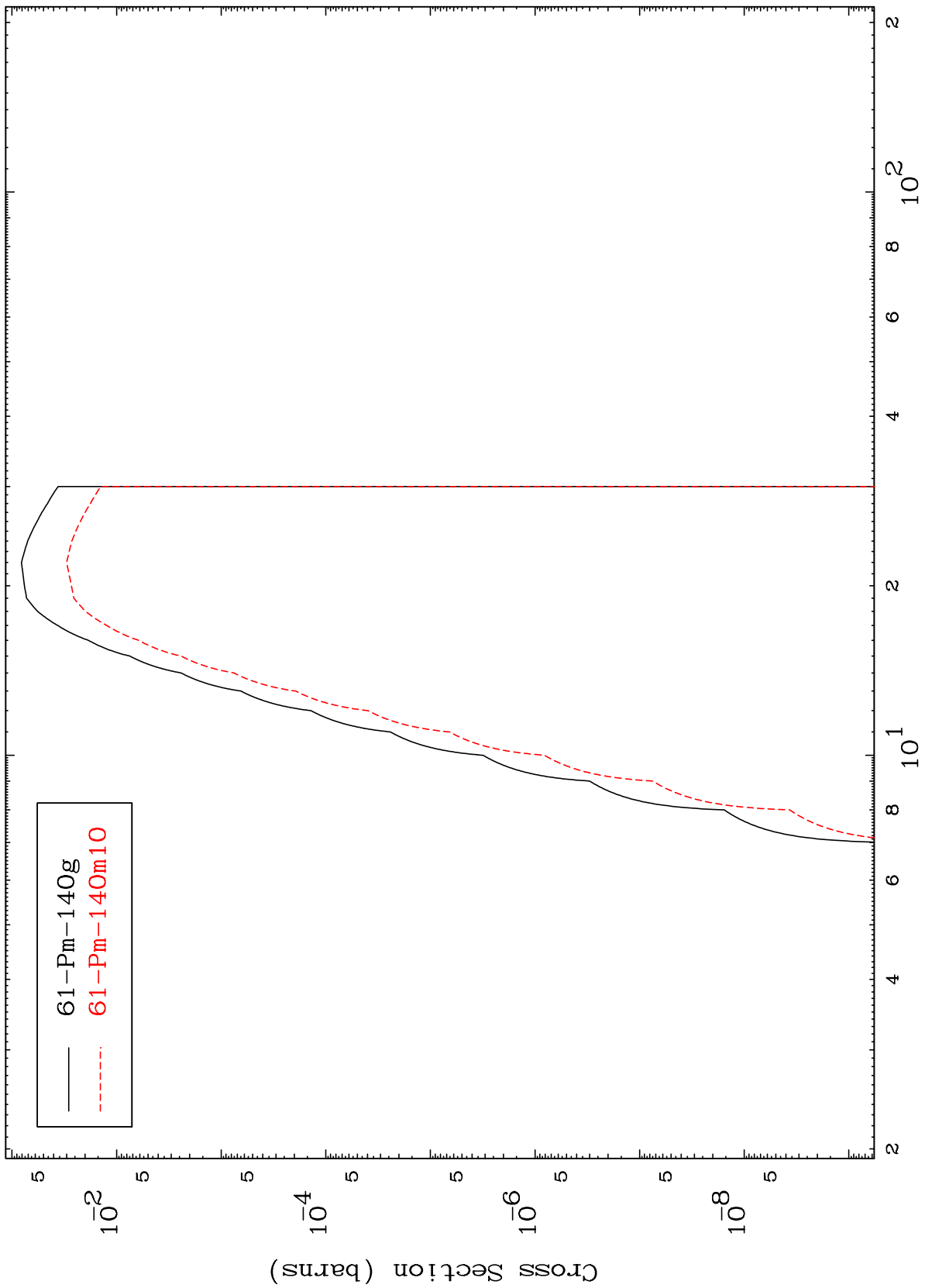
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

(n,d)  
Radionuclide Production Cross Section



20

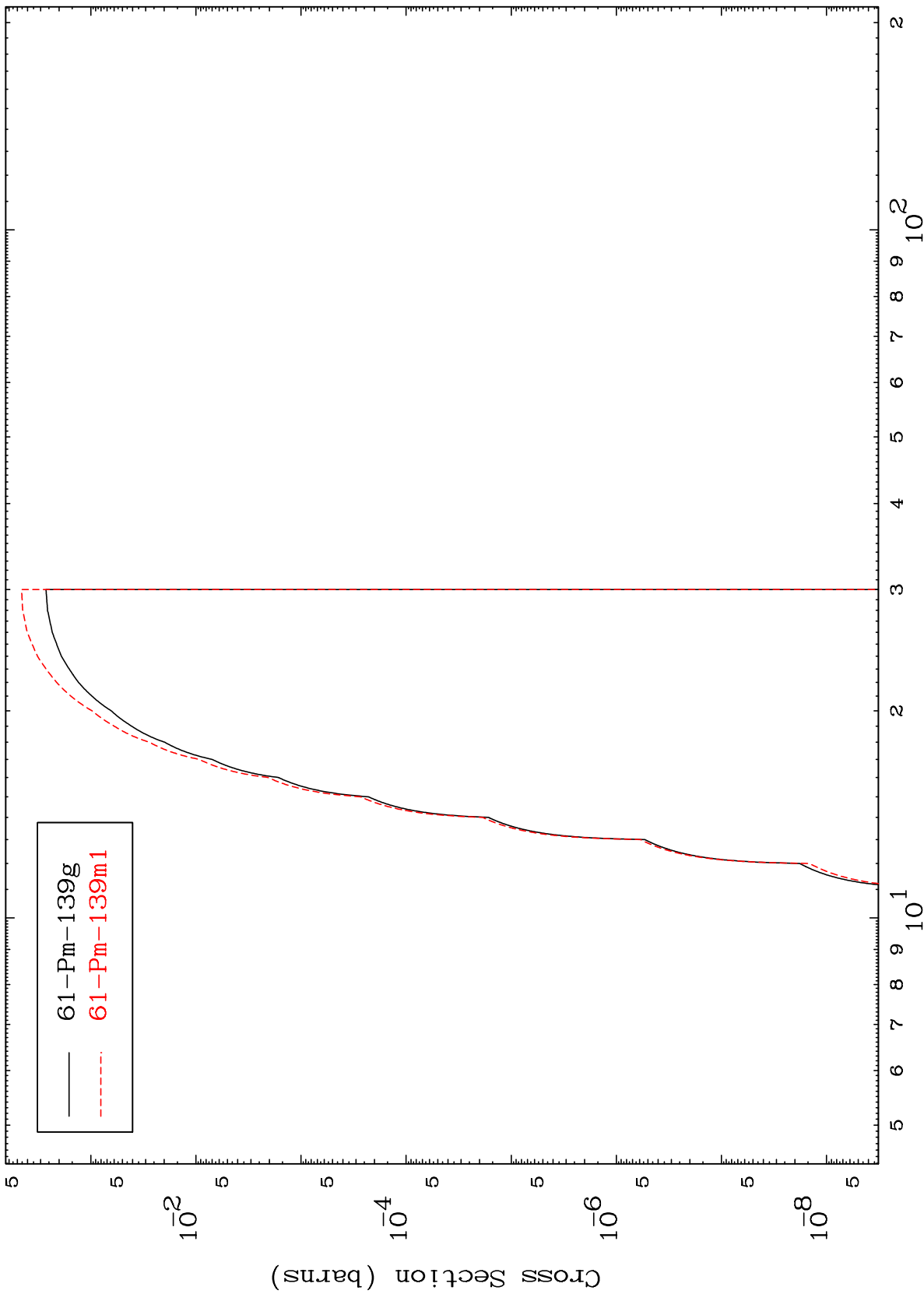
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

(n, t)  
Radionuclide Production Cross Section



60-Nd-139

Incident Energy (MeV)

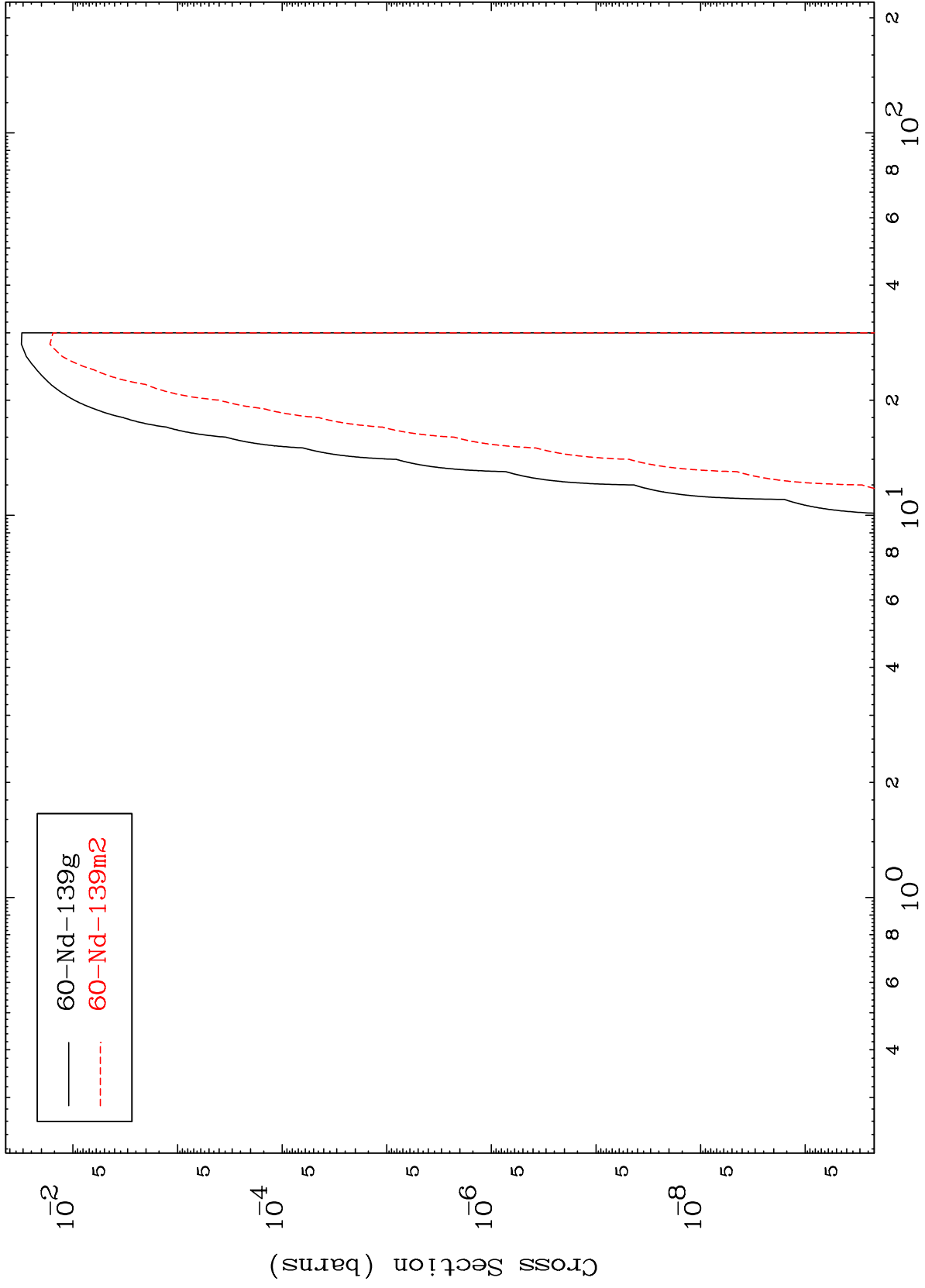
21

MAT 6016

(n,He-3)

60-Nd-139

Radionuclide Production Cross Section



MAT 6016

(n,p) d

<sup>60</sup>Nd-139

Radionuclide Production Cross Section

