

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

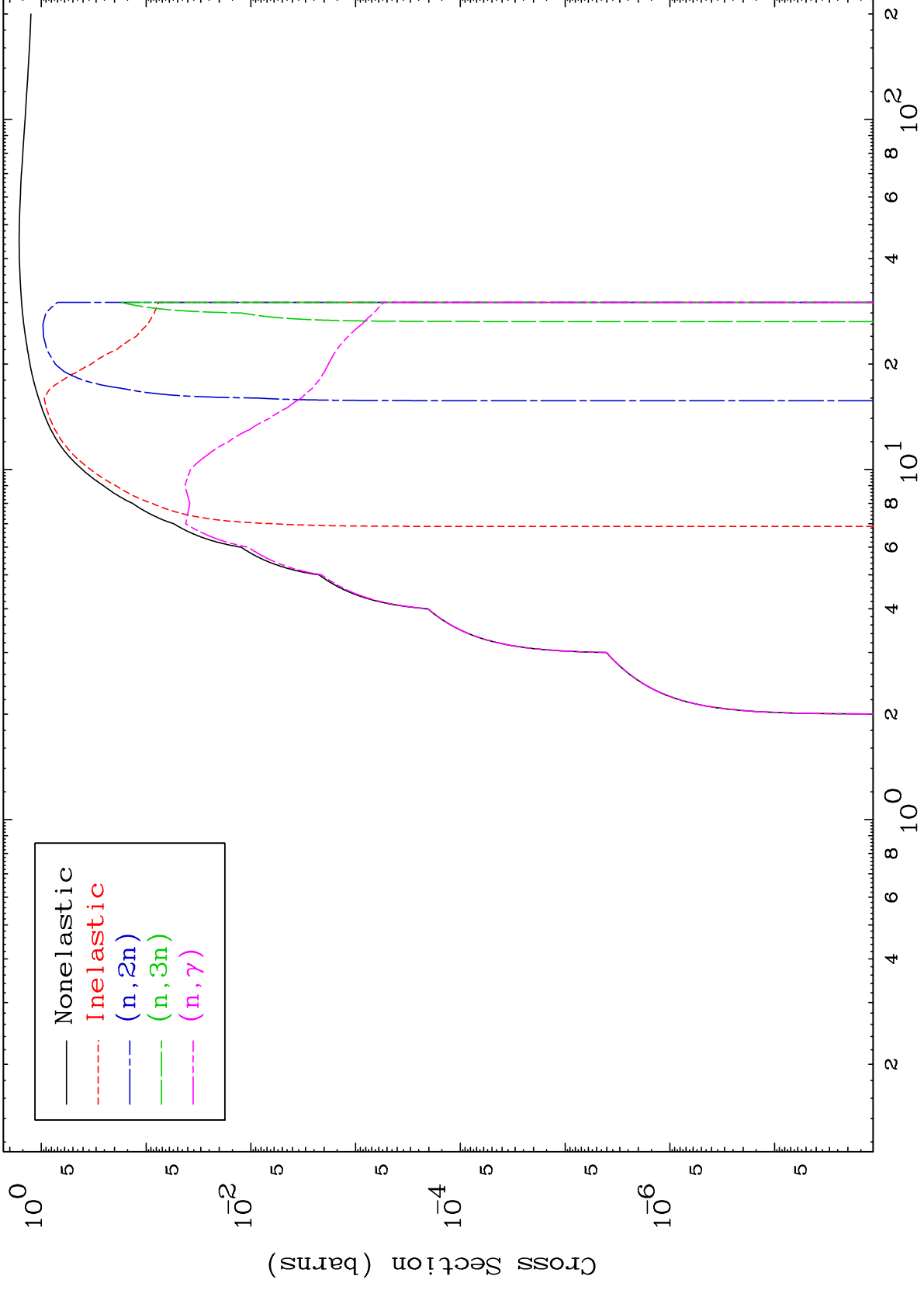
Press Mouse Button to Start

MAT 6019

Proton Major

60-Nd-140

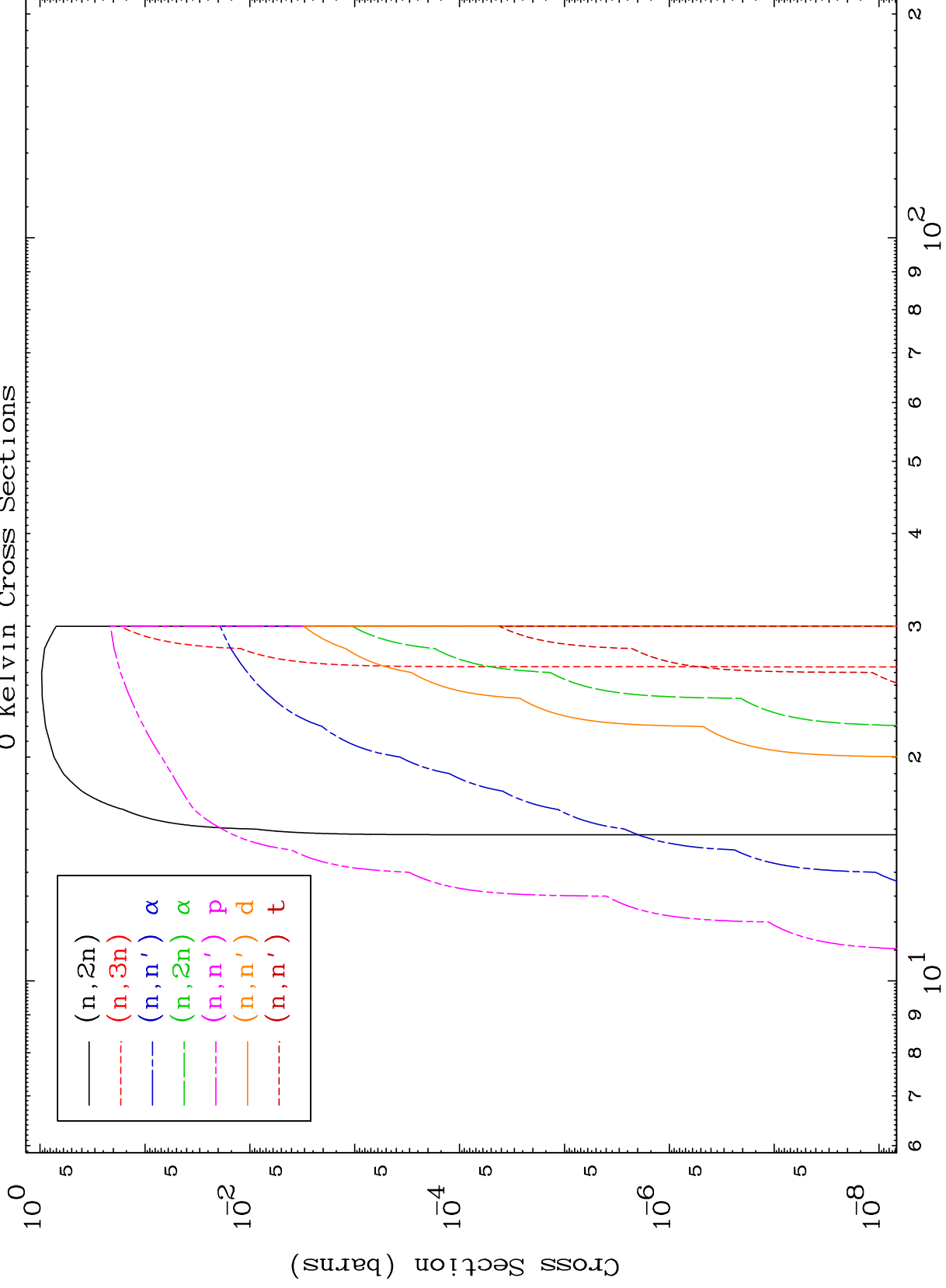
0 Kelvin Cross Sections



MAT 6019

Proton Neutron Absorption
0 Kelvin Cross Sections

60-Nd-140



2

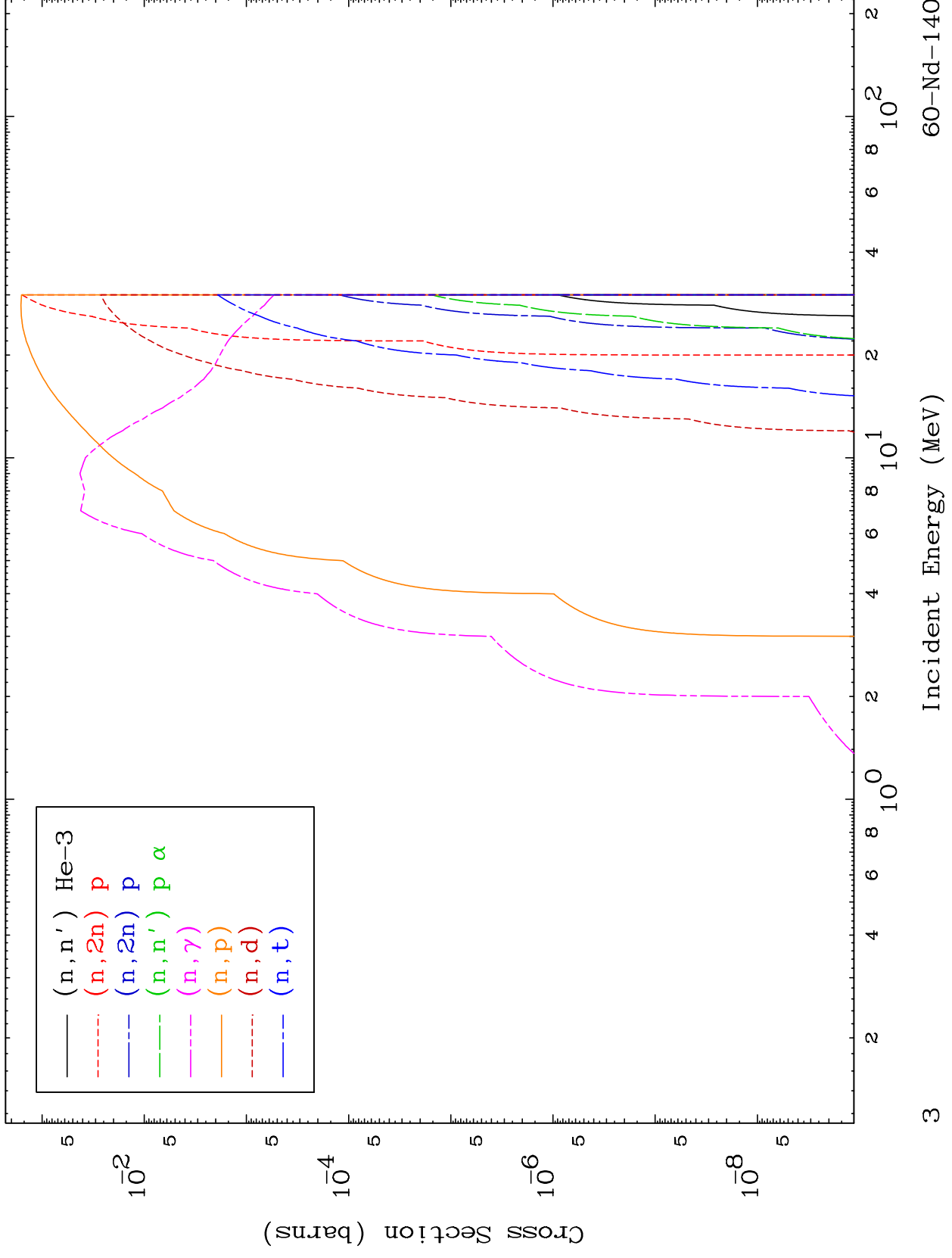
Incident Energy (MeV)

60-Nd-140

MAT 6019

Proton Neutron Absorption
0 Kelvin Cross Sections

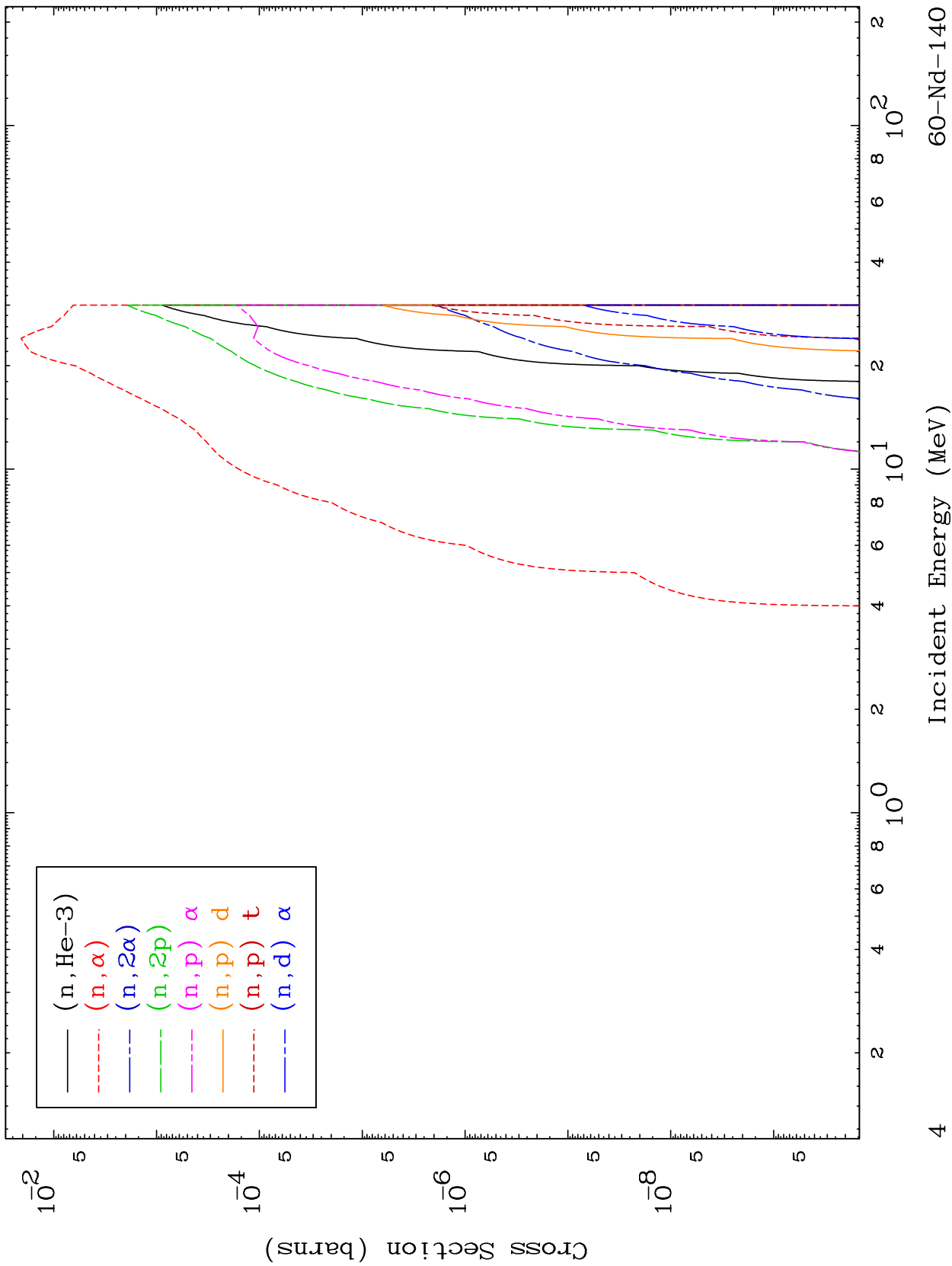
60-Nd-140



MAT 6019

Proton Neutron Absorption
0 Kelvin Cross Sections

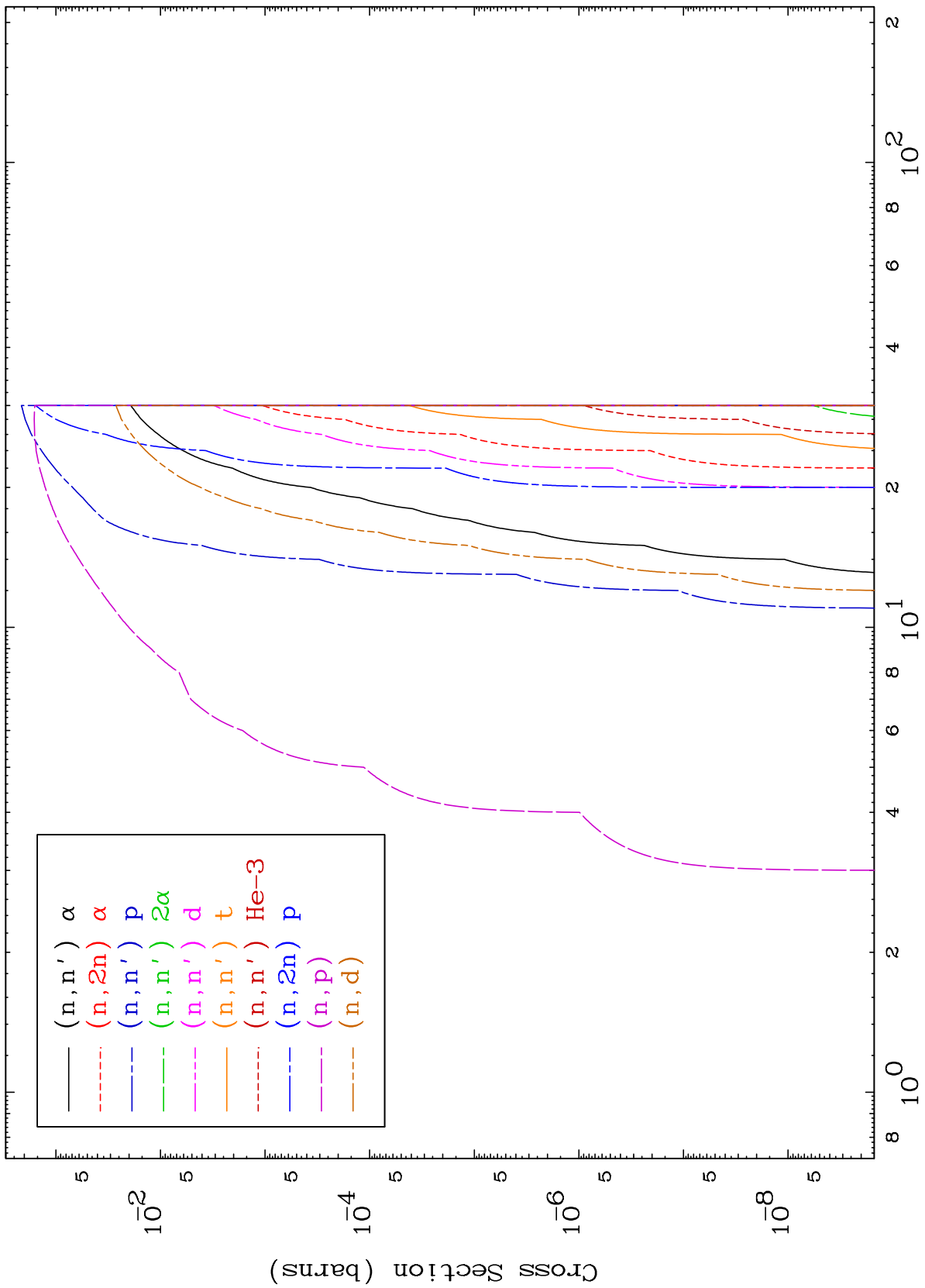
60-Nd-140



MAT 6019

Proton Charged Particle
0 Kelvin Cross Sections

60-Nd-140



5

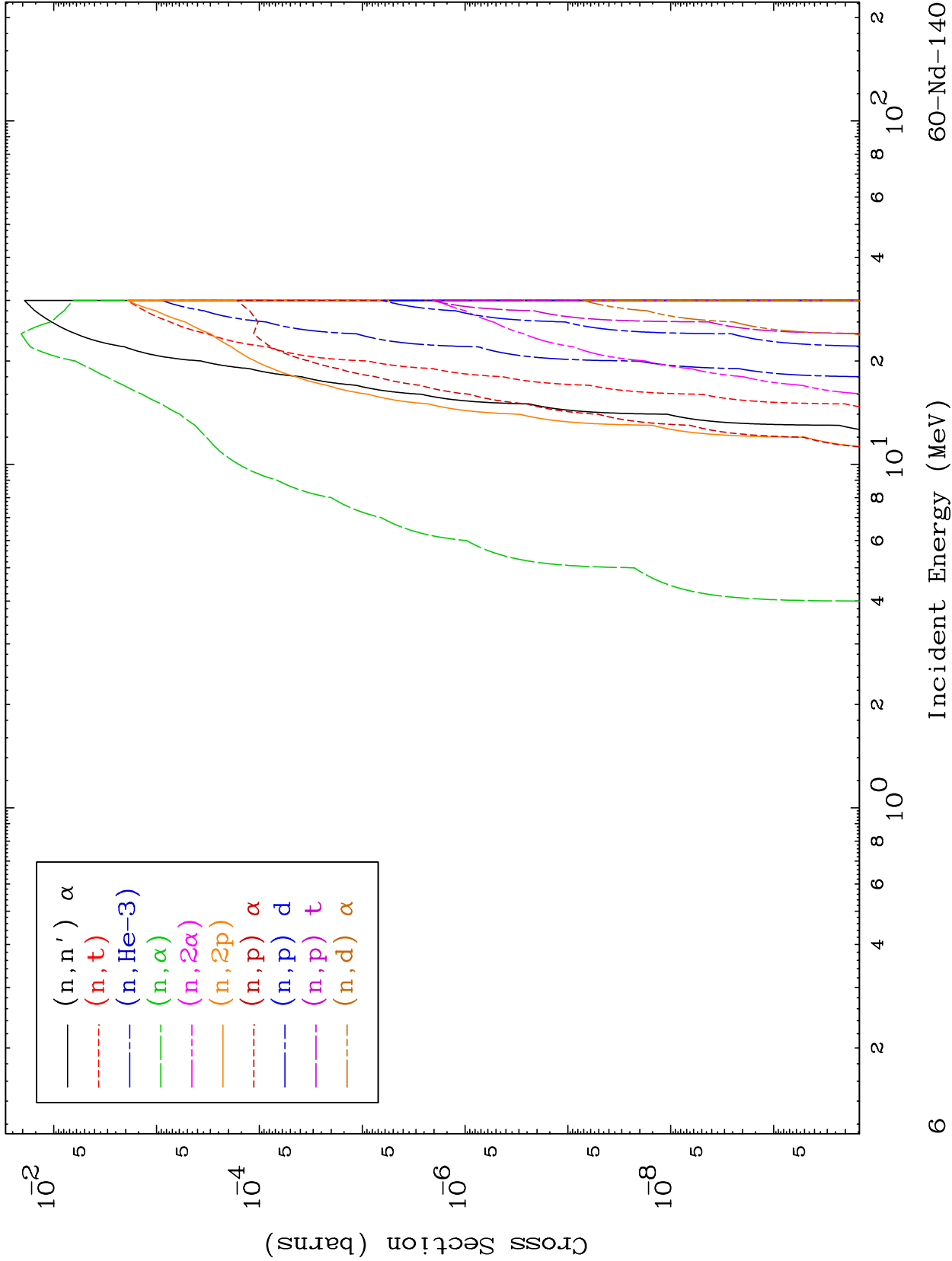
Incident Energy (MeV)

60-Nd-140

MAT 6019

Proton Charged Particle
0 Kelvin Cross Sections

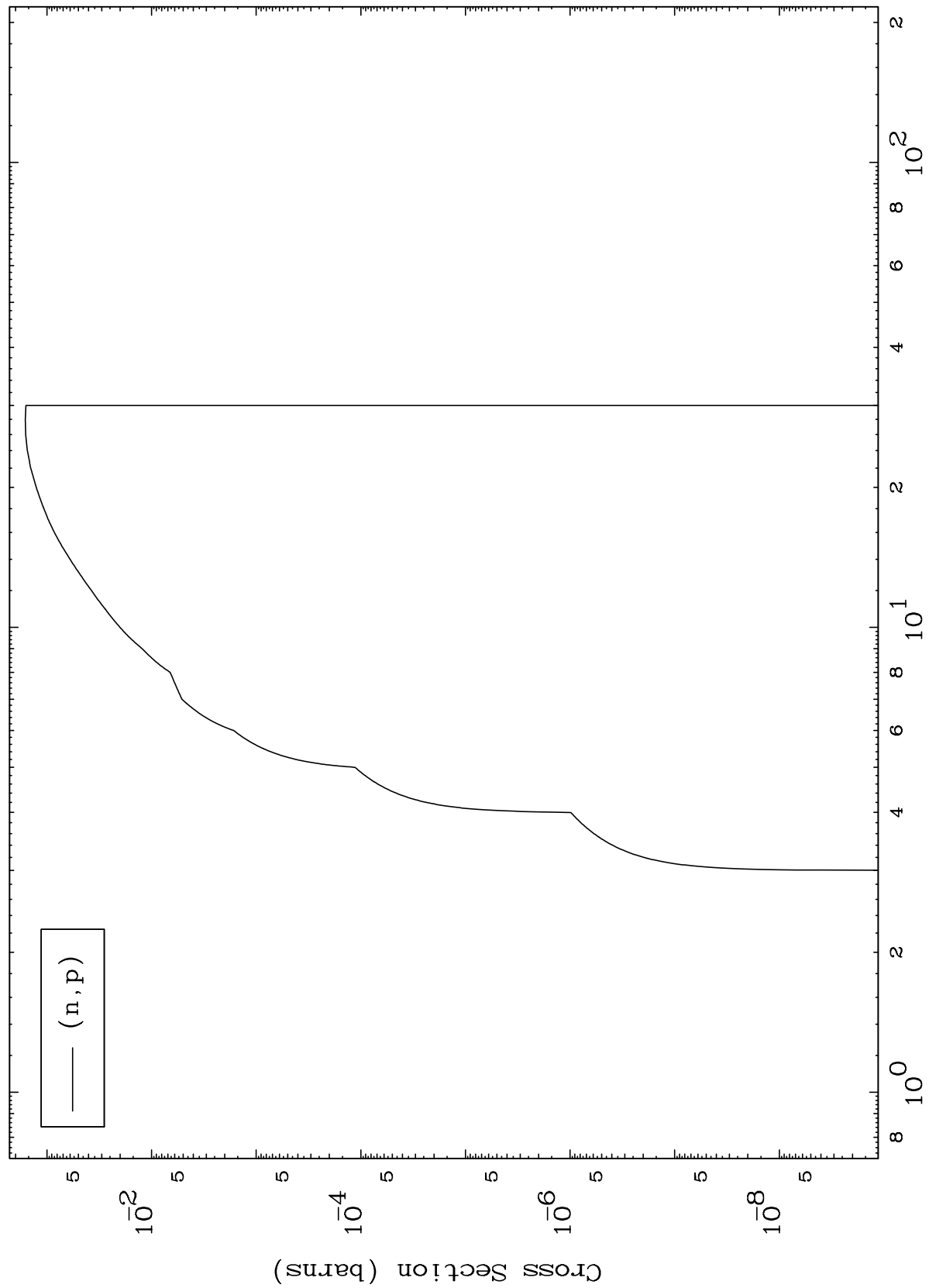
60-Nd-140



MAT 6019

60-Nd-140

(p,p) Levels
0 Kelvin Cross Sections



60-Nd-140

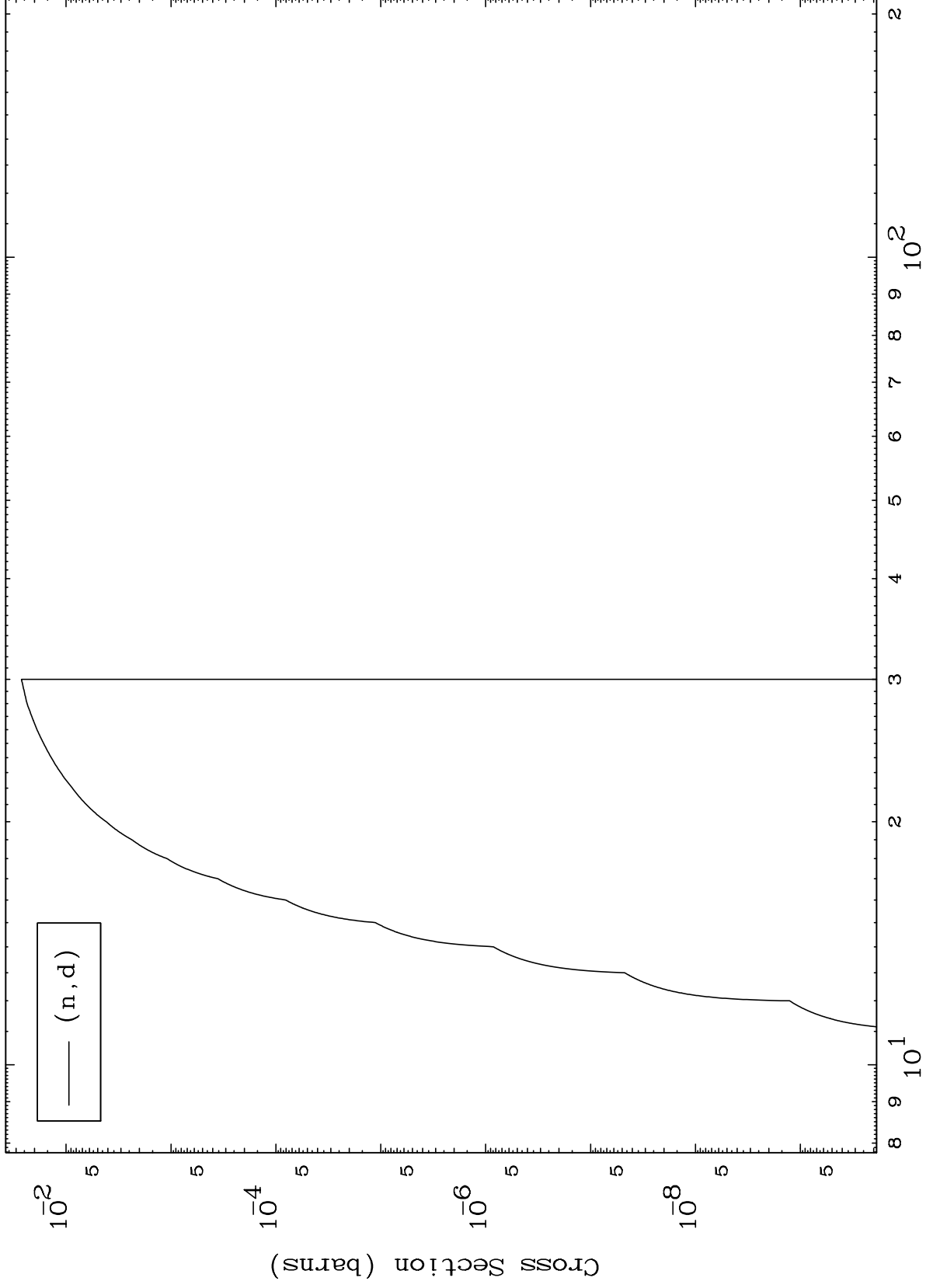
Incident Energy (MeV)

7

MAT 6019

(p,d) Levels
0 Kelvin Cross Sections

60-Nd-140



8

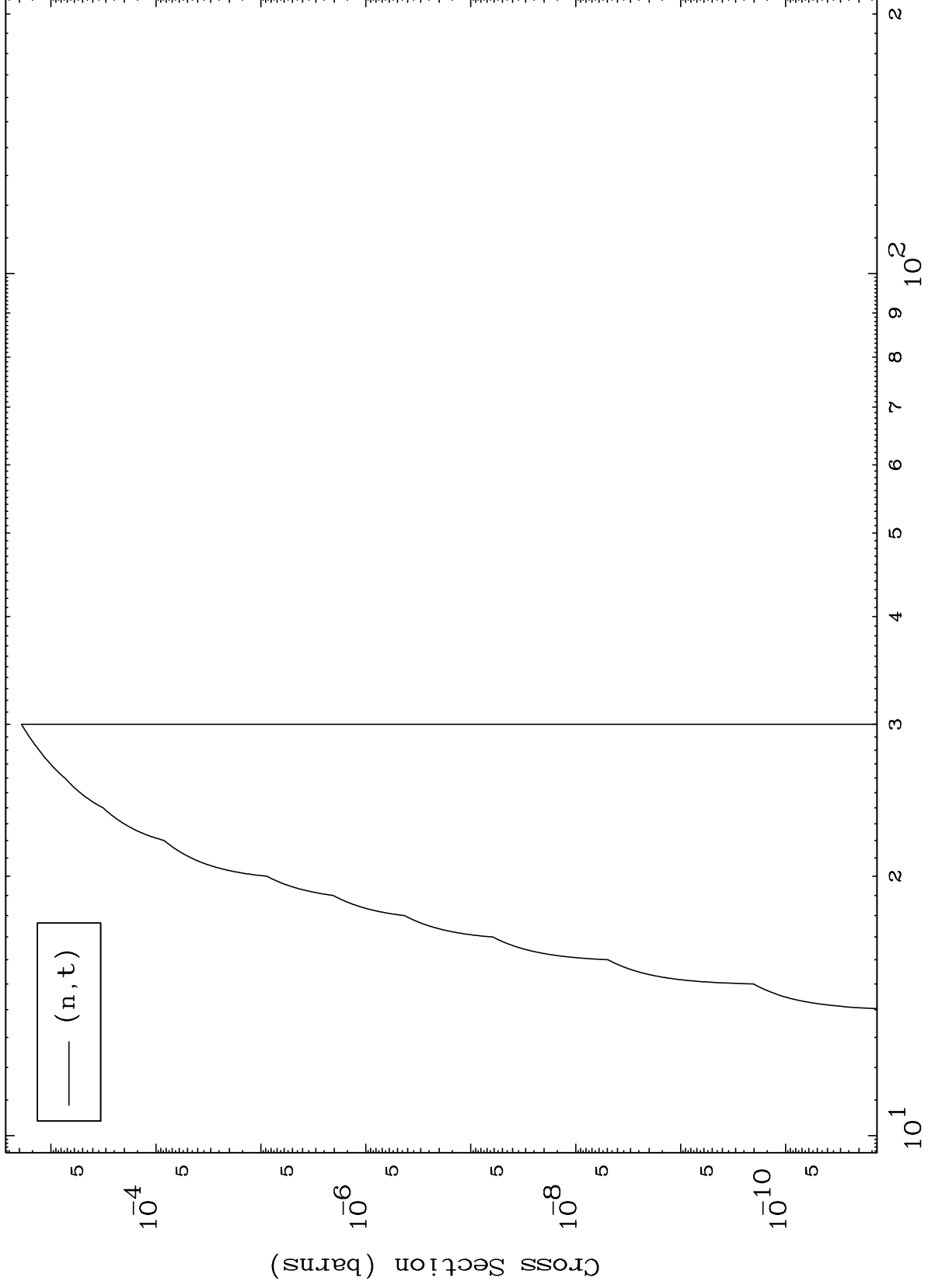
Incident Energy (MeV)

60-Nd-140

MAT 6019

(p,t) Levels
0 Kelvin Cross Sections

60-Nd-140



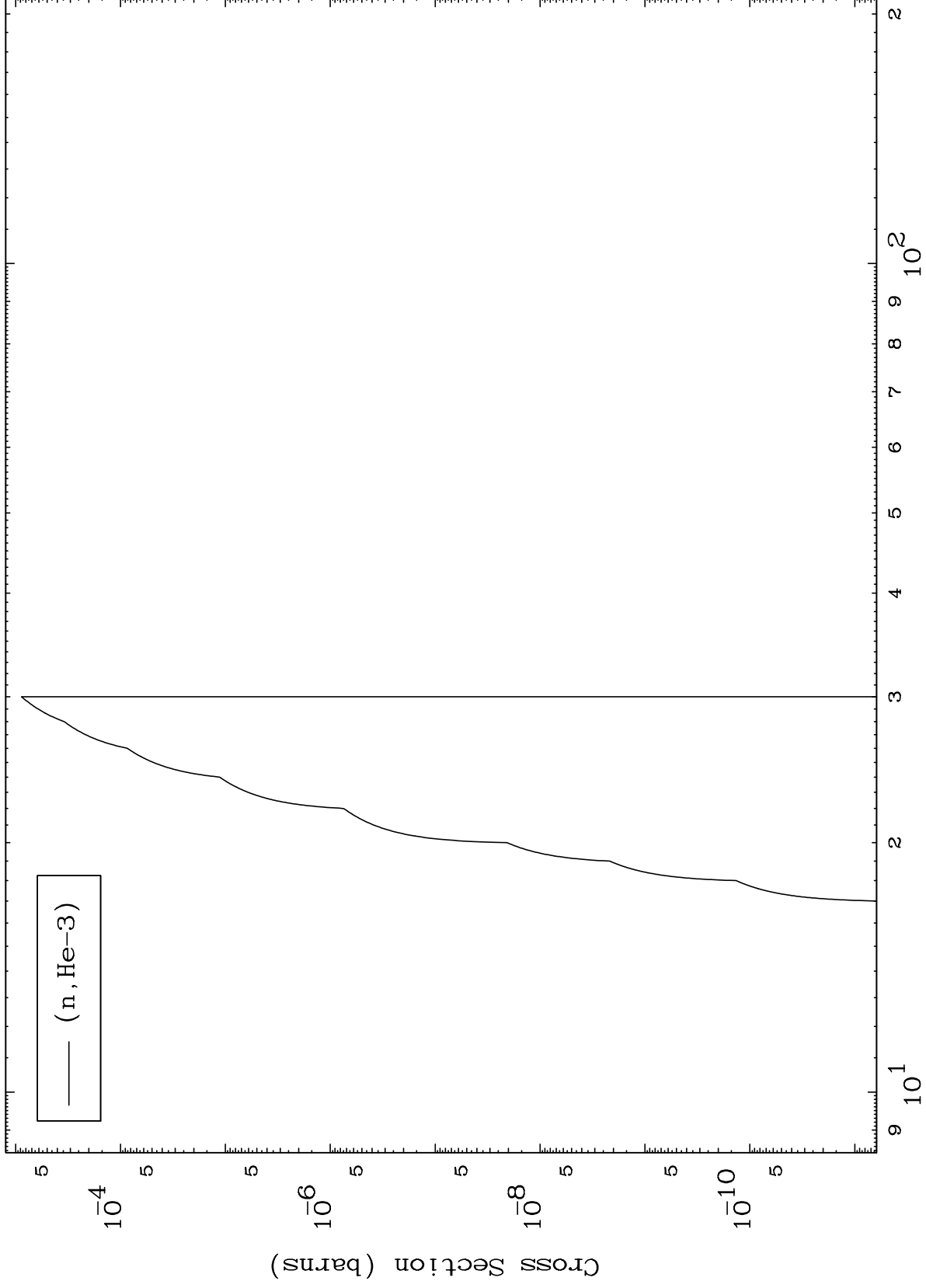
Incident Energy (MeV)

60-Nd-140

MAT 6019

(p,He3) Levels
0 Kelvin Cross Sections

60-Nd-140



10

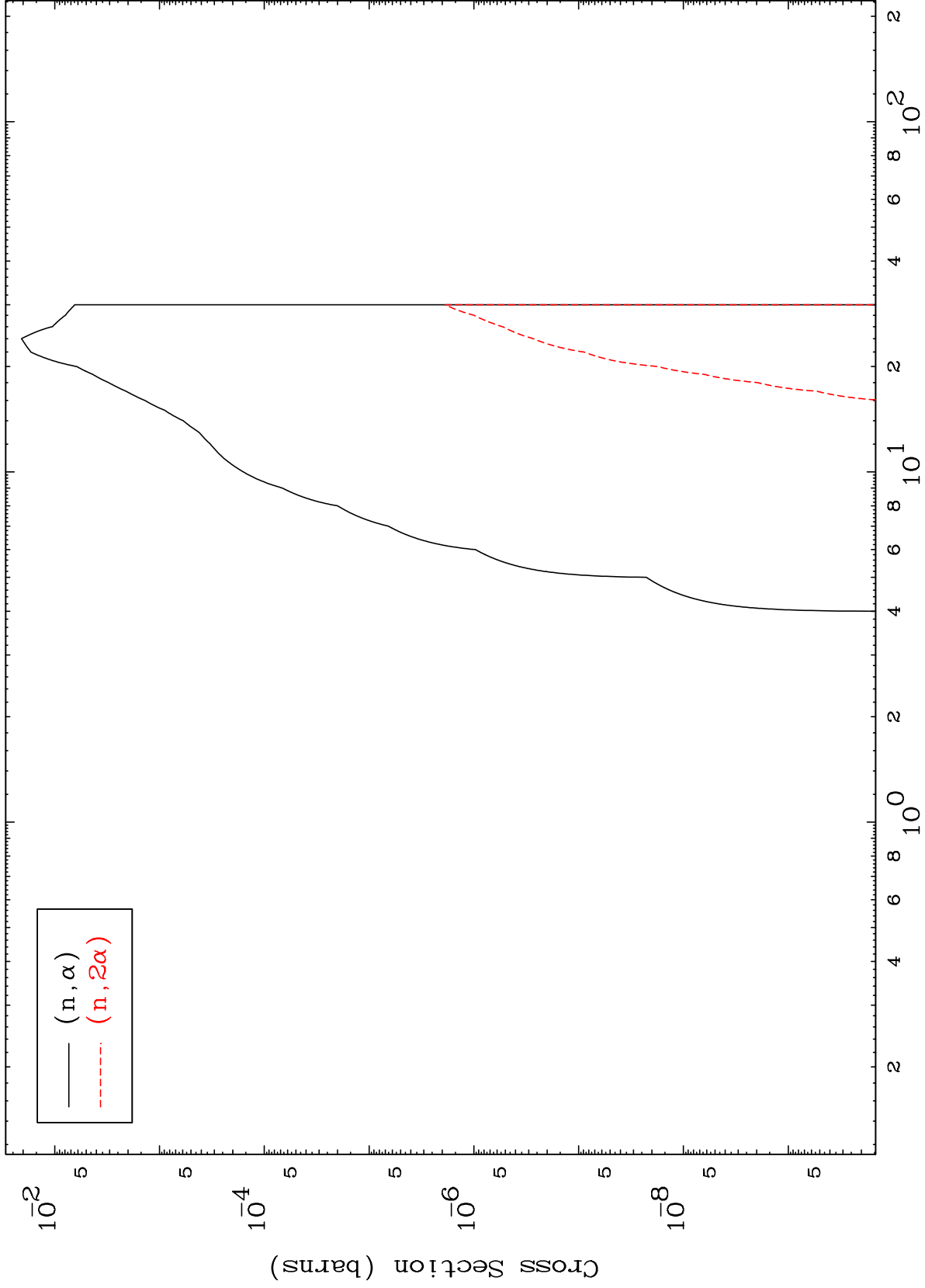
Incident Energy (MeV)

60-Nd-140

MAT 6019

(p, α) Levels
0 Kelvin Cross Sections

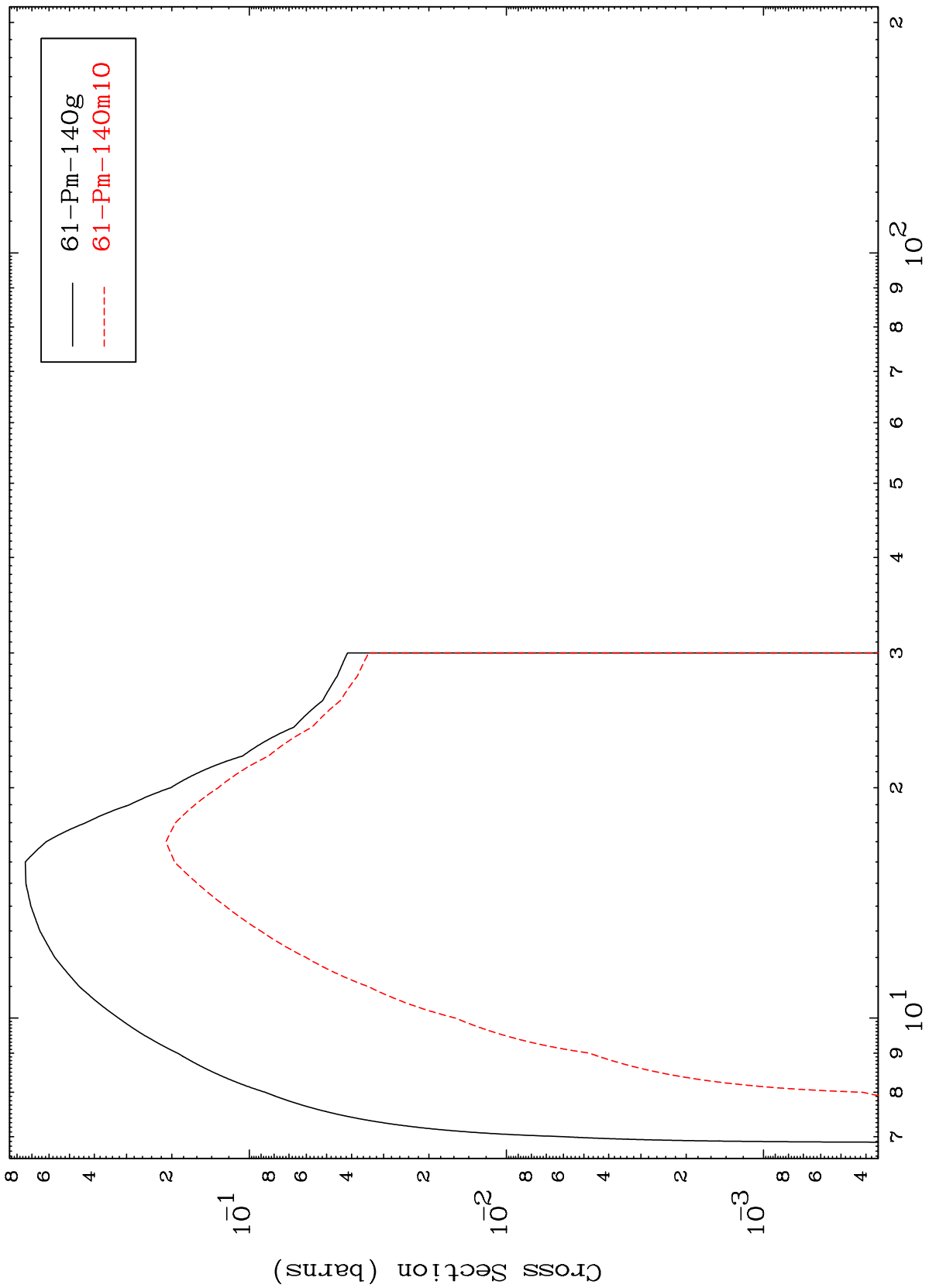
60-Nd-140



MAT 6019

60-Nd-140

Inelastic
Radionuclide Production Cross Section



12

Incident Energy (MeV)

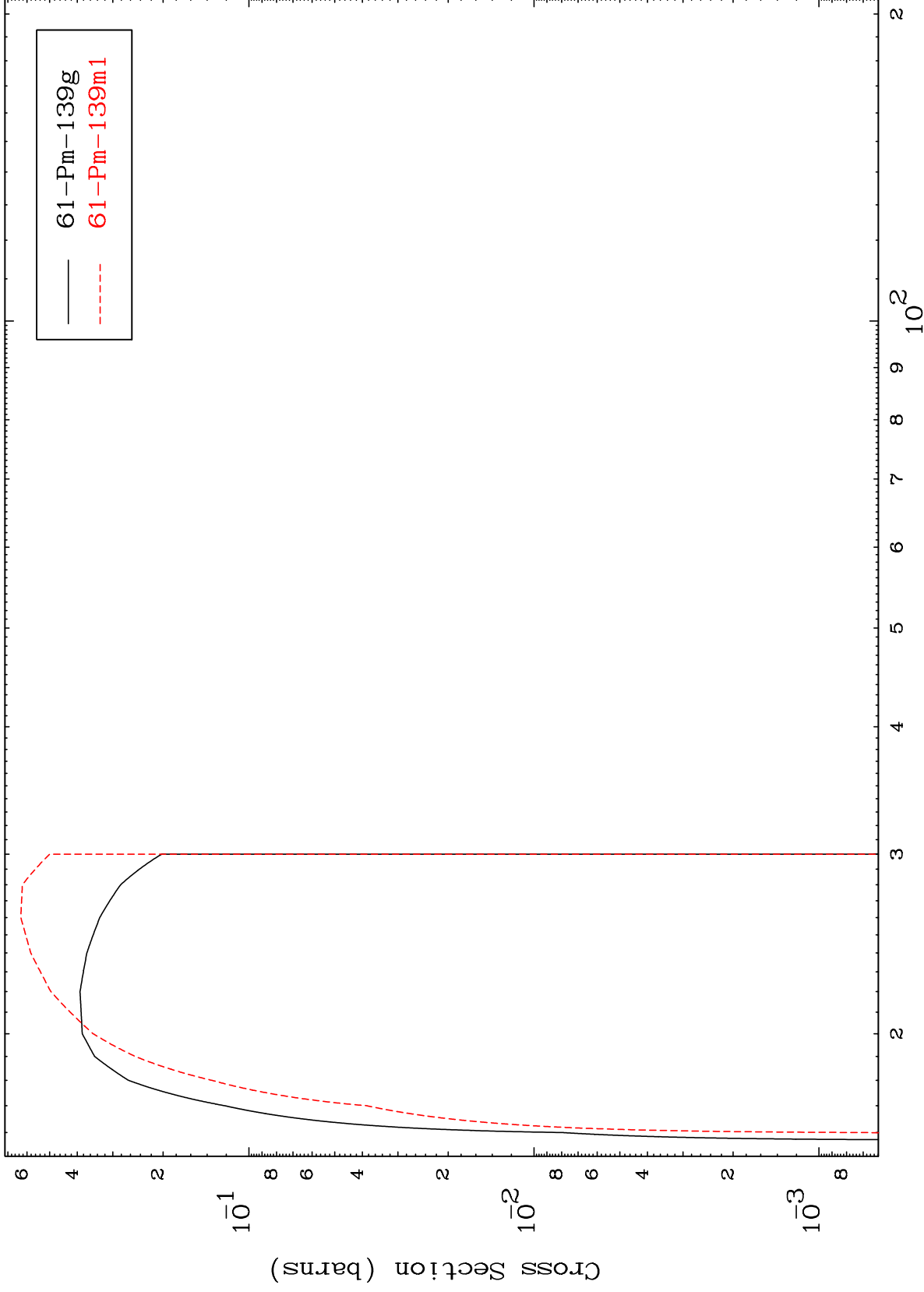
60-Nd-140

MAT 6019

(n,2n)

60-Nd-140

Radionuclide Production Cross Section



13

Incident Energy (MeV)

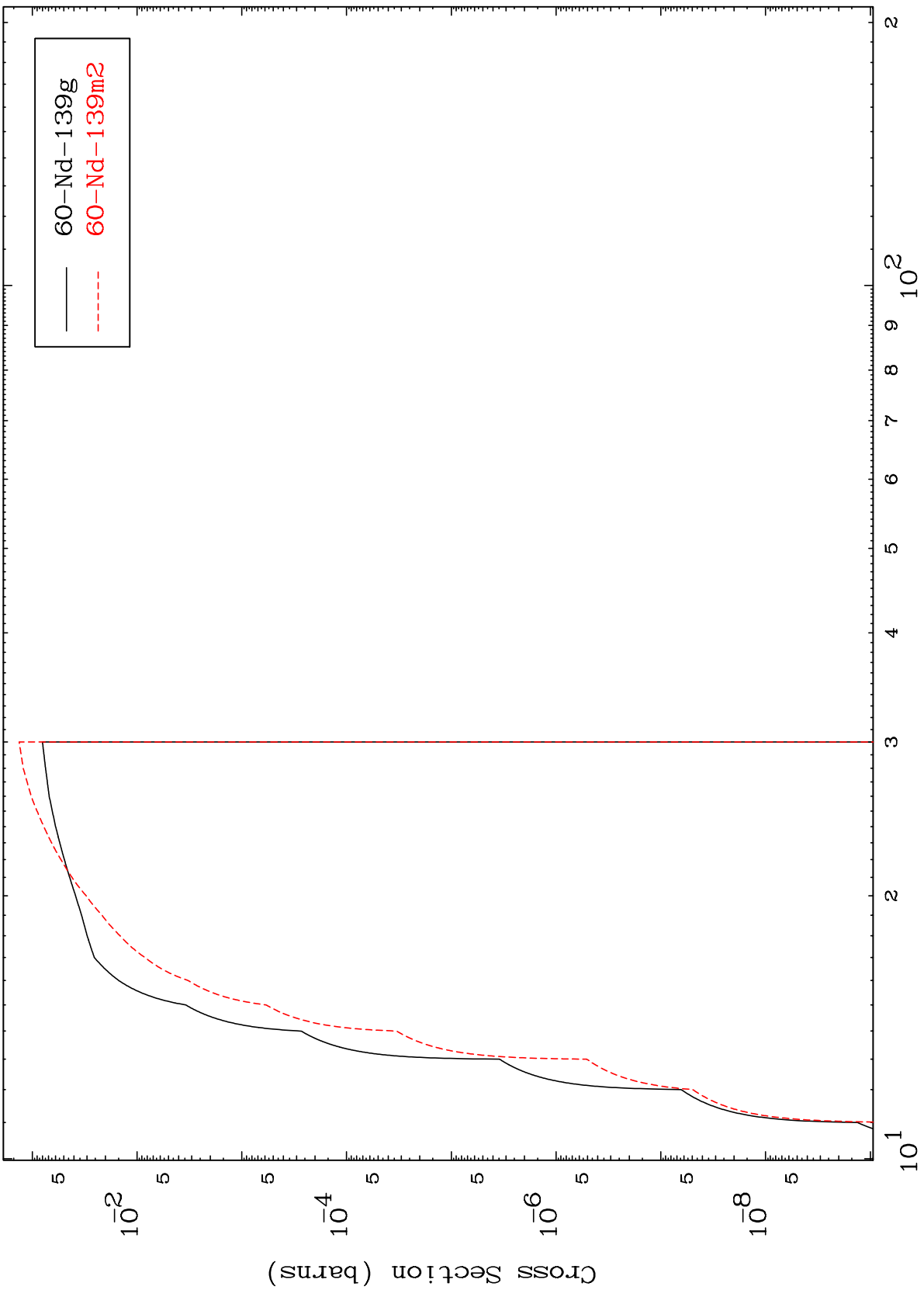
60-Nd-140

MAT 6019

(n,n') p

60-Nd-140

Radionuclide Production Cross Section



Incident Energy (MeV)

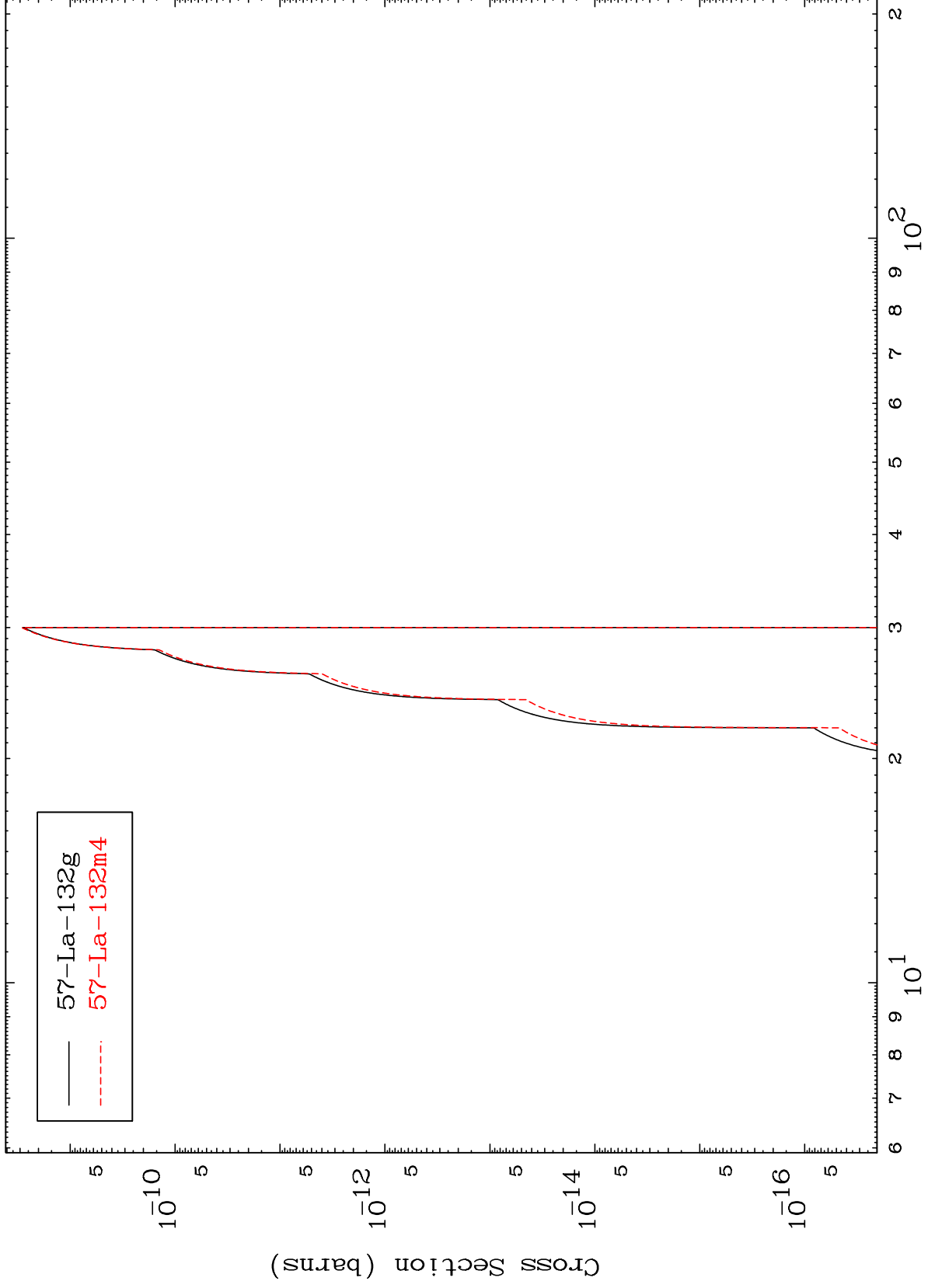
60-Nd-140

MAT 6019

(n,n') 2 α

60-Nd-140

Radionuclide Production Cross Section



15

Incident Energy (MeV)

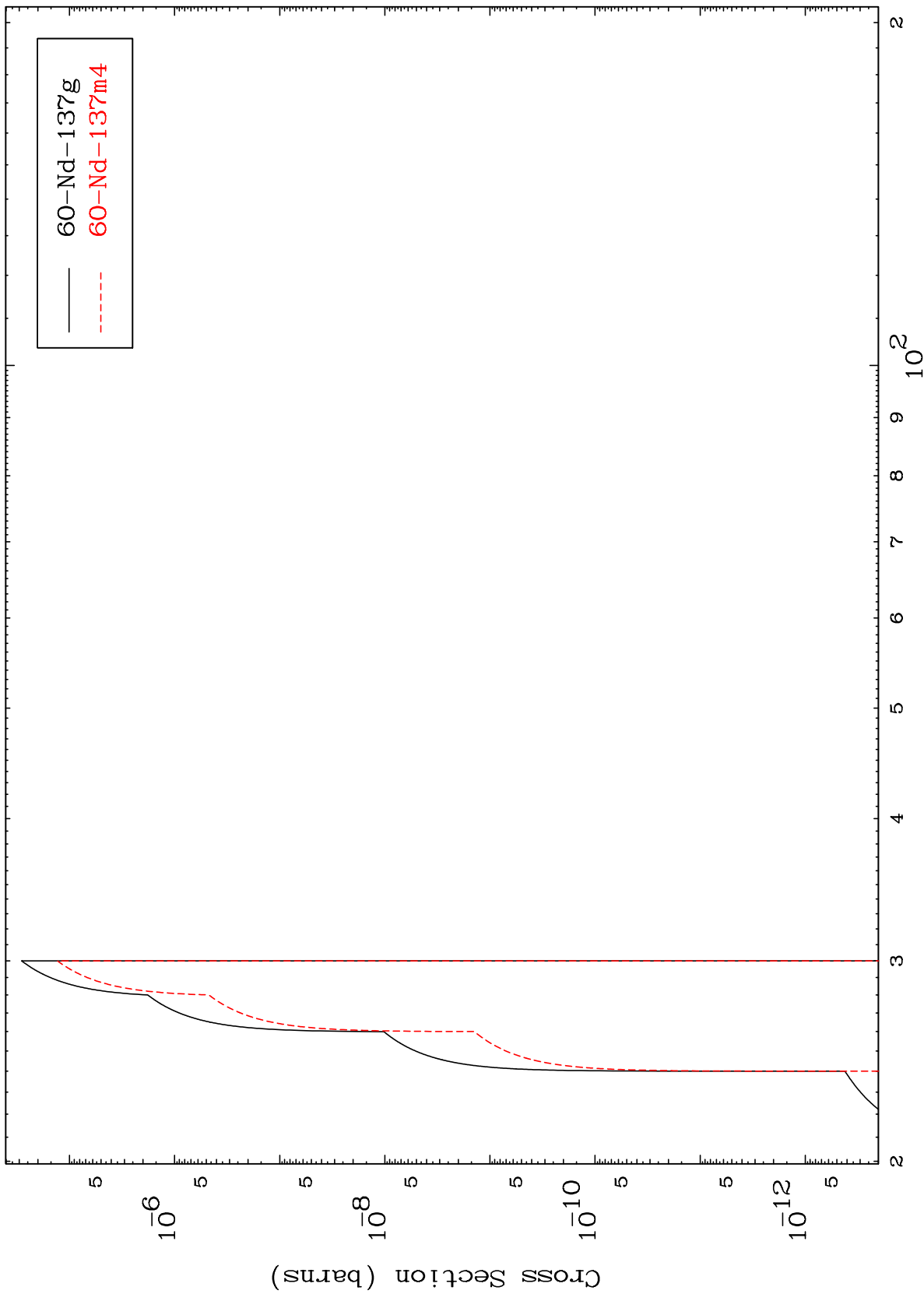
60-Nd-140

MAT 6019

(n,n') t

60-Nd-140

Radionuclide Production Cross Section



16

Incident Energy (MeV)

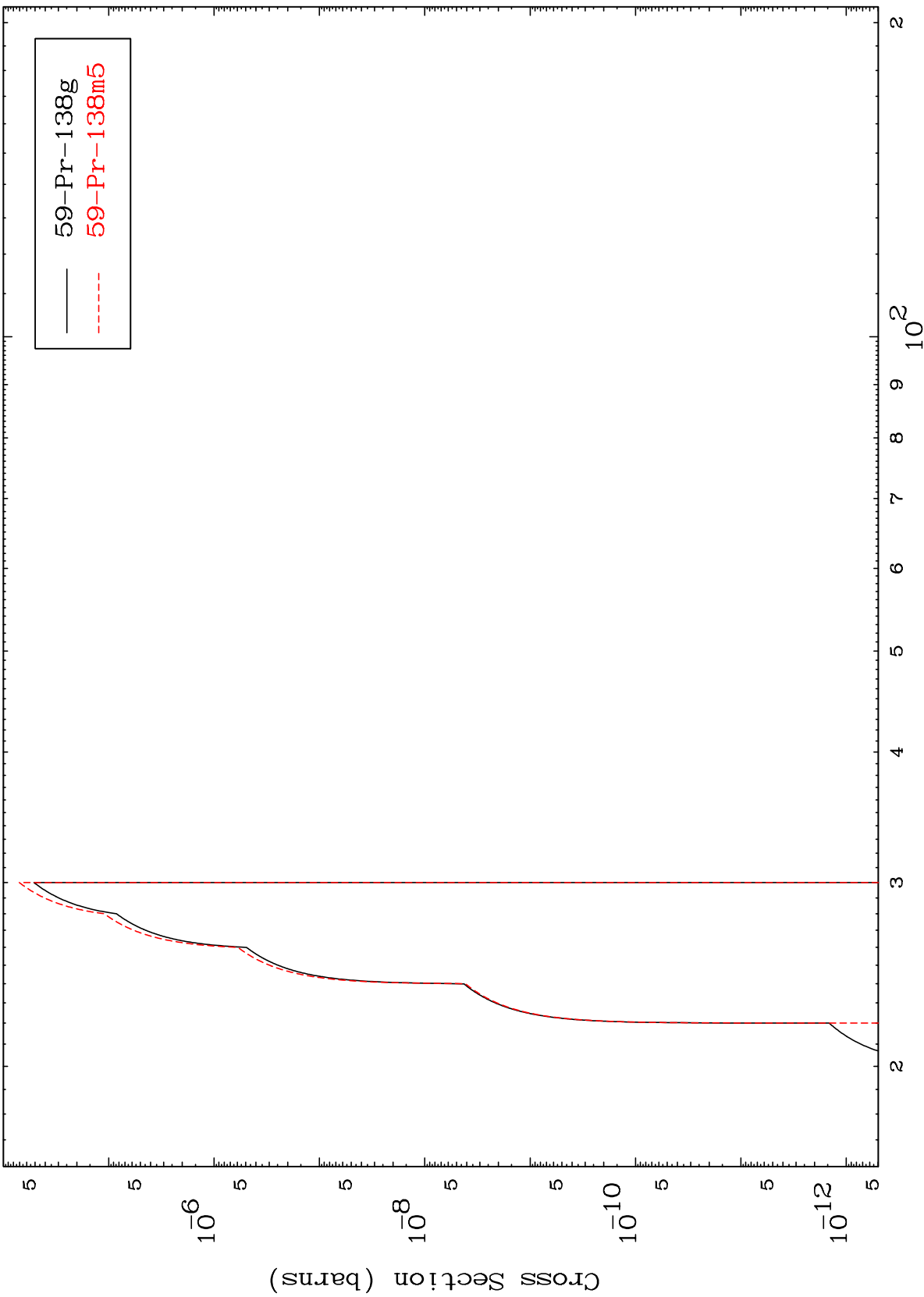
60-Nd-140

MAT 6019

(n,2n) p

60-Nd-140

Radionuclide Production Cross Section



17

Incident Energy (MeV)

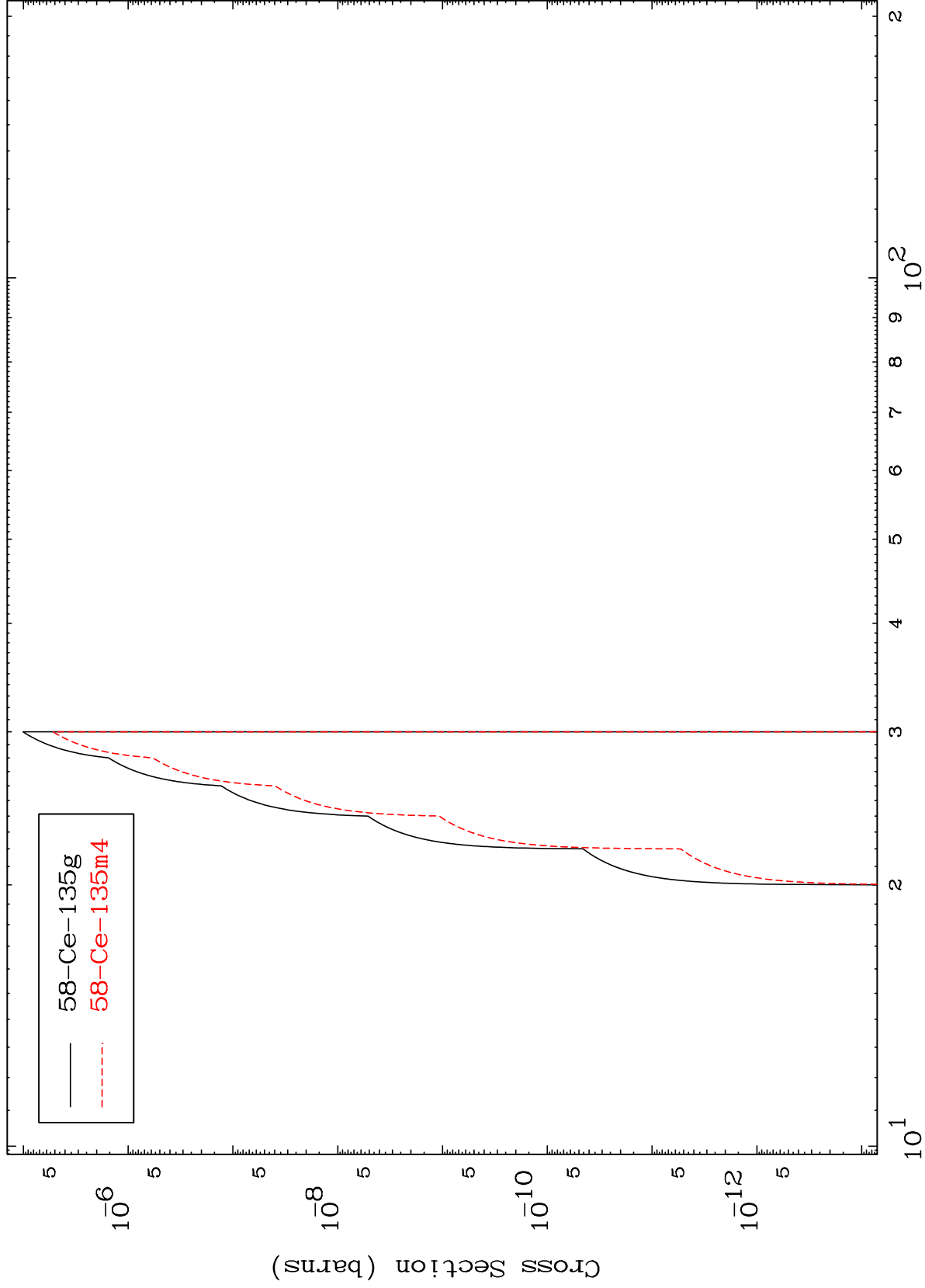
60-Nd-140

MAT 6019

(n,n') p α

60-Nd-140

Radionuclide Production Cross Section



58-Ce-135g
58-Ce-135m4

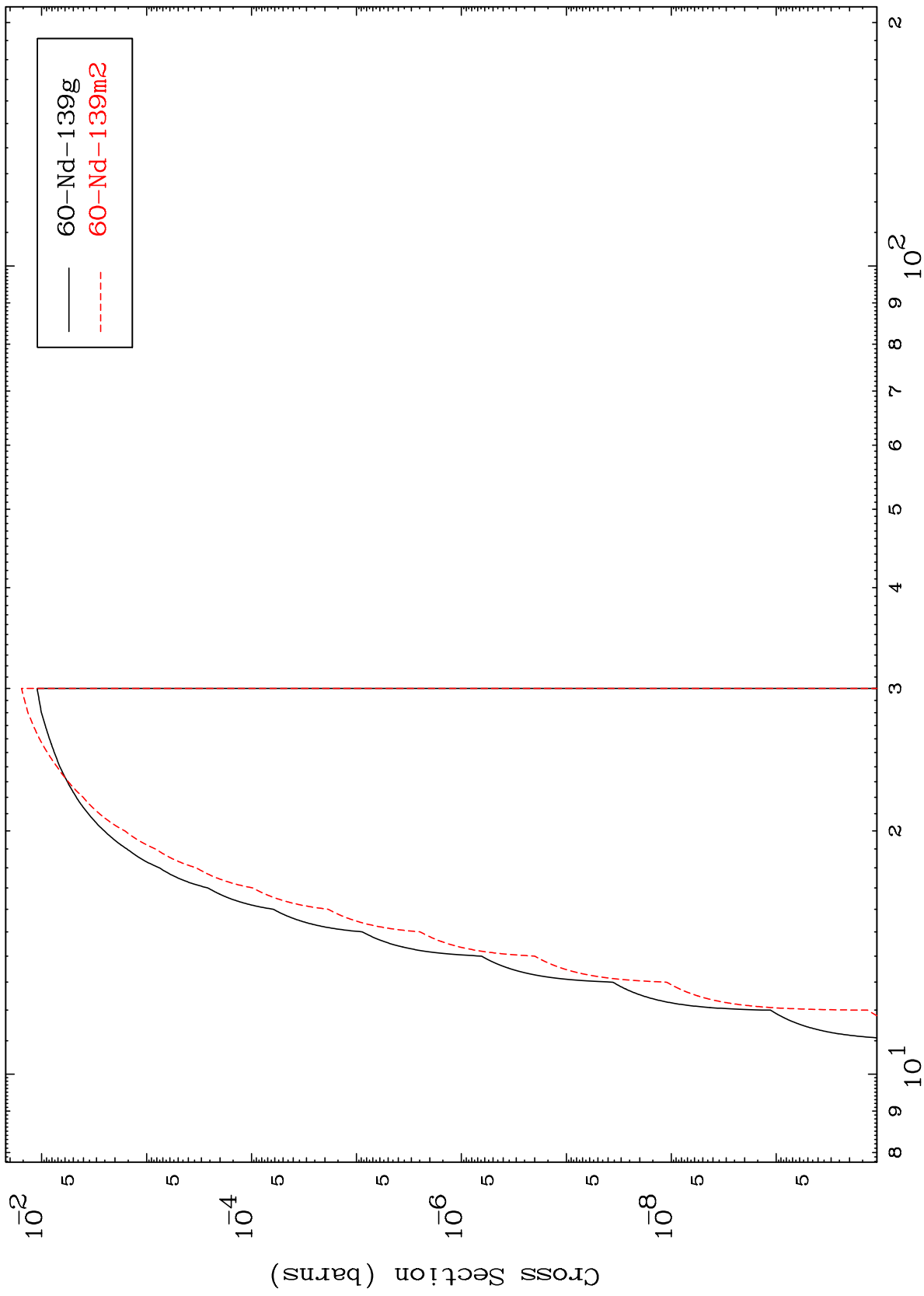
Incident Energy (MeV)

60-Nd-140

MAT 6019

60-Nd-140

(n,d)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

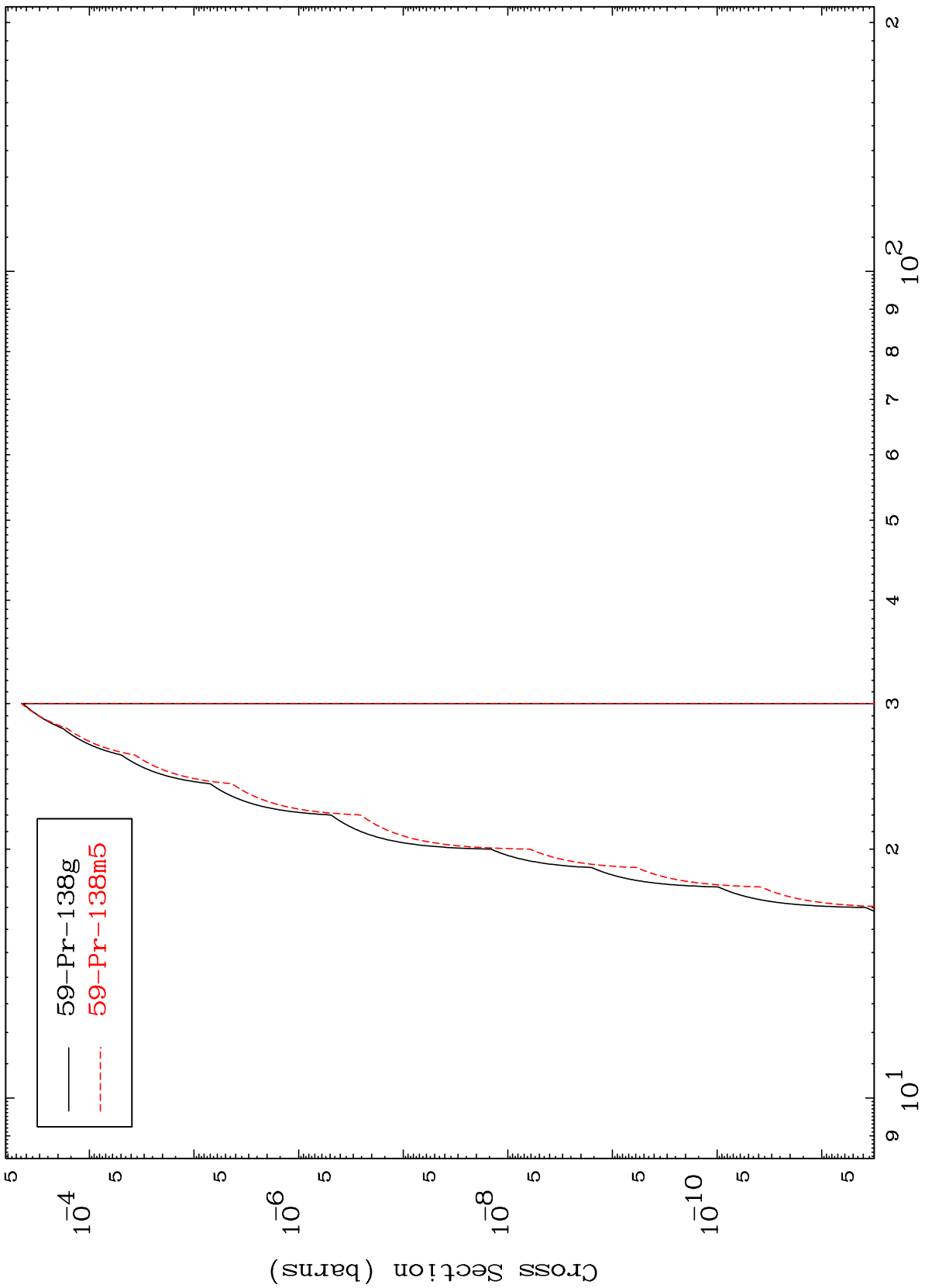
60-Nd-140

MAT 6019

(n,He-3)

60-Nd-140

Radionuclide Production Cross Section



20

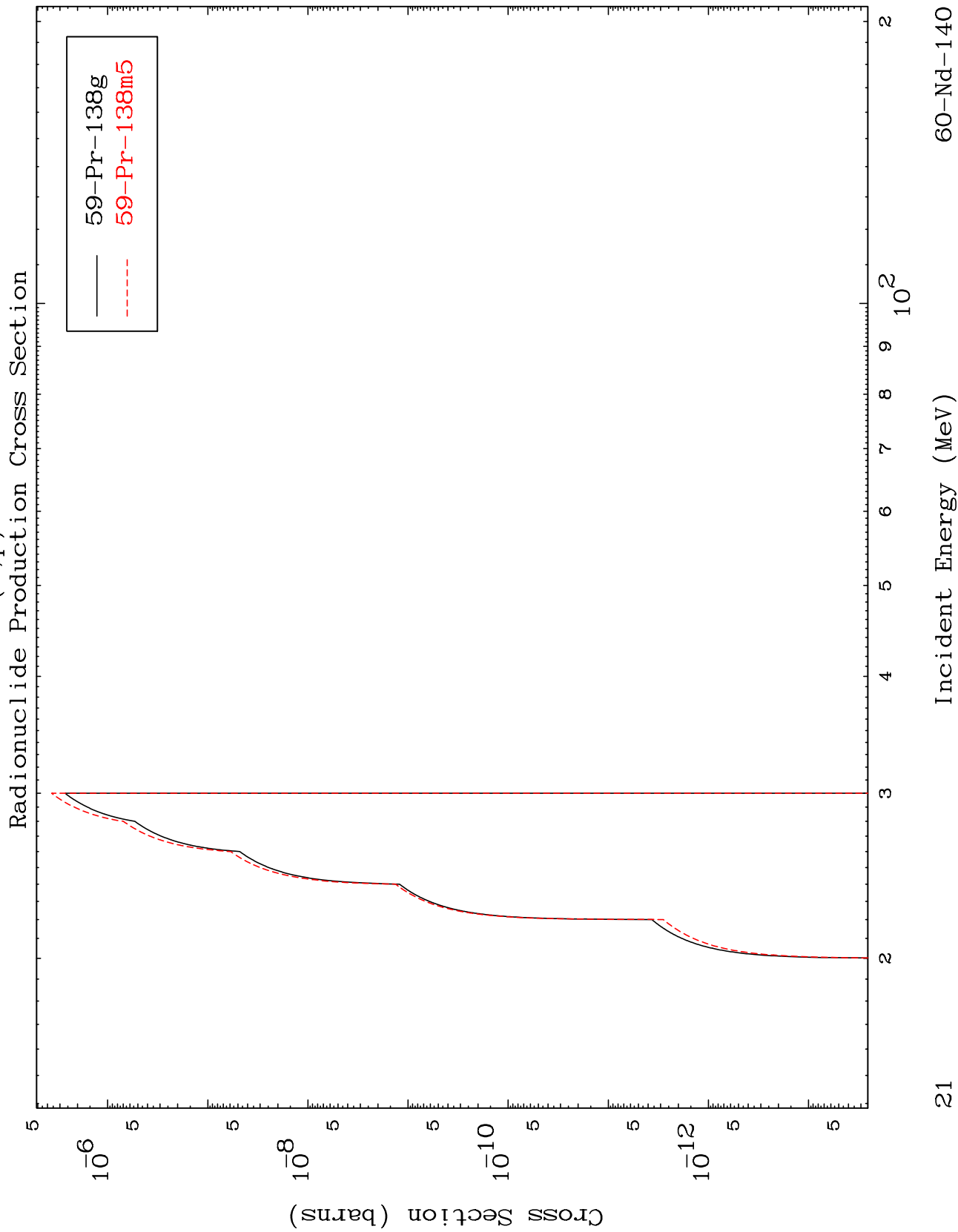
Incident Energy (MeV)

60-Nd-140

MAT 6019

(n,p) d

60-Nd-140



21

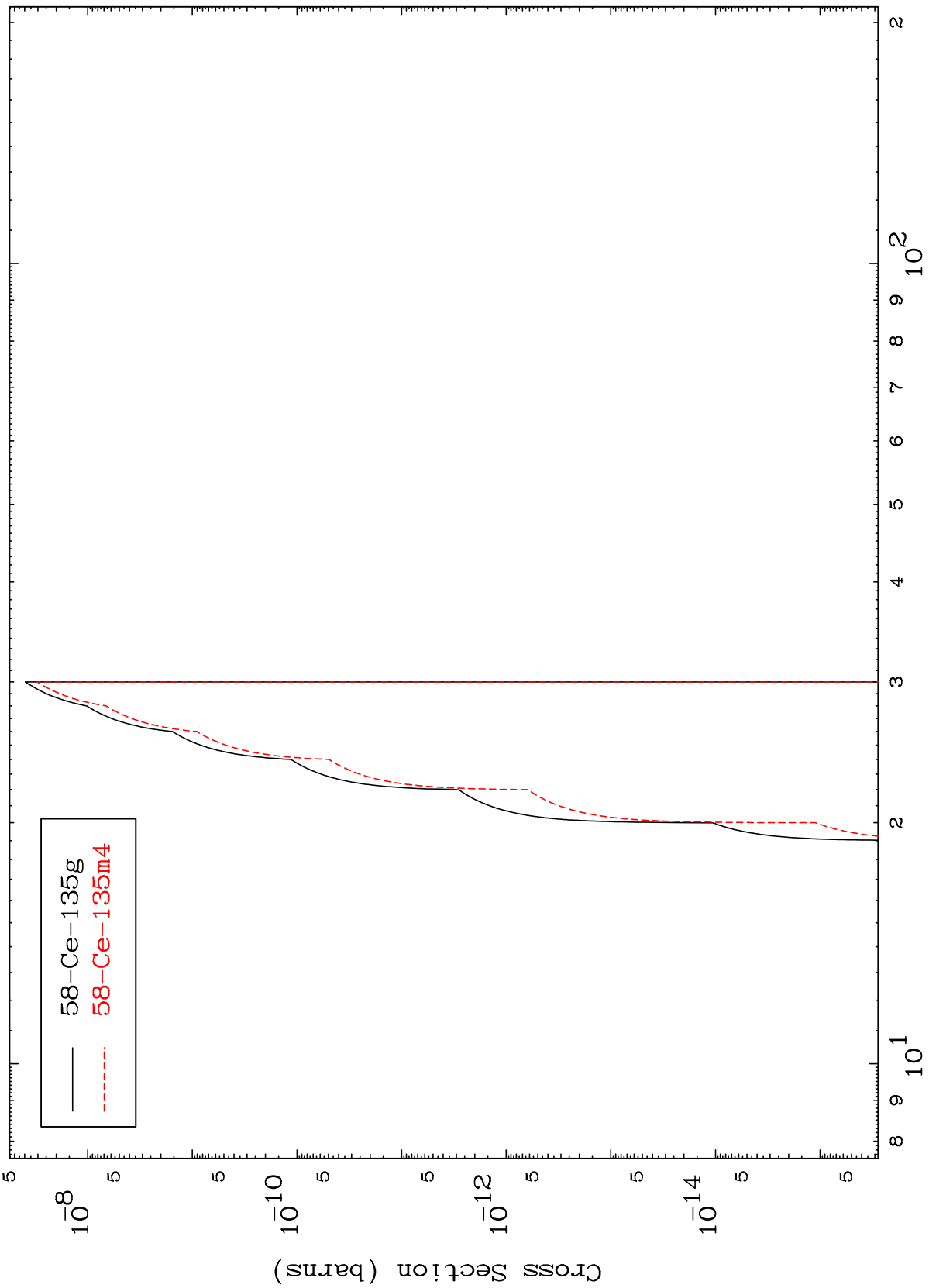
60-Nd-140

MAT 6019

(n,d) α

60-Nd-140

Radionuclide Production Cross Section



22

Incident Energy (MeV)

60-Nd-140