

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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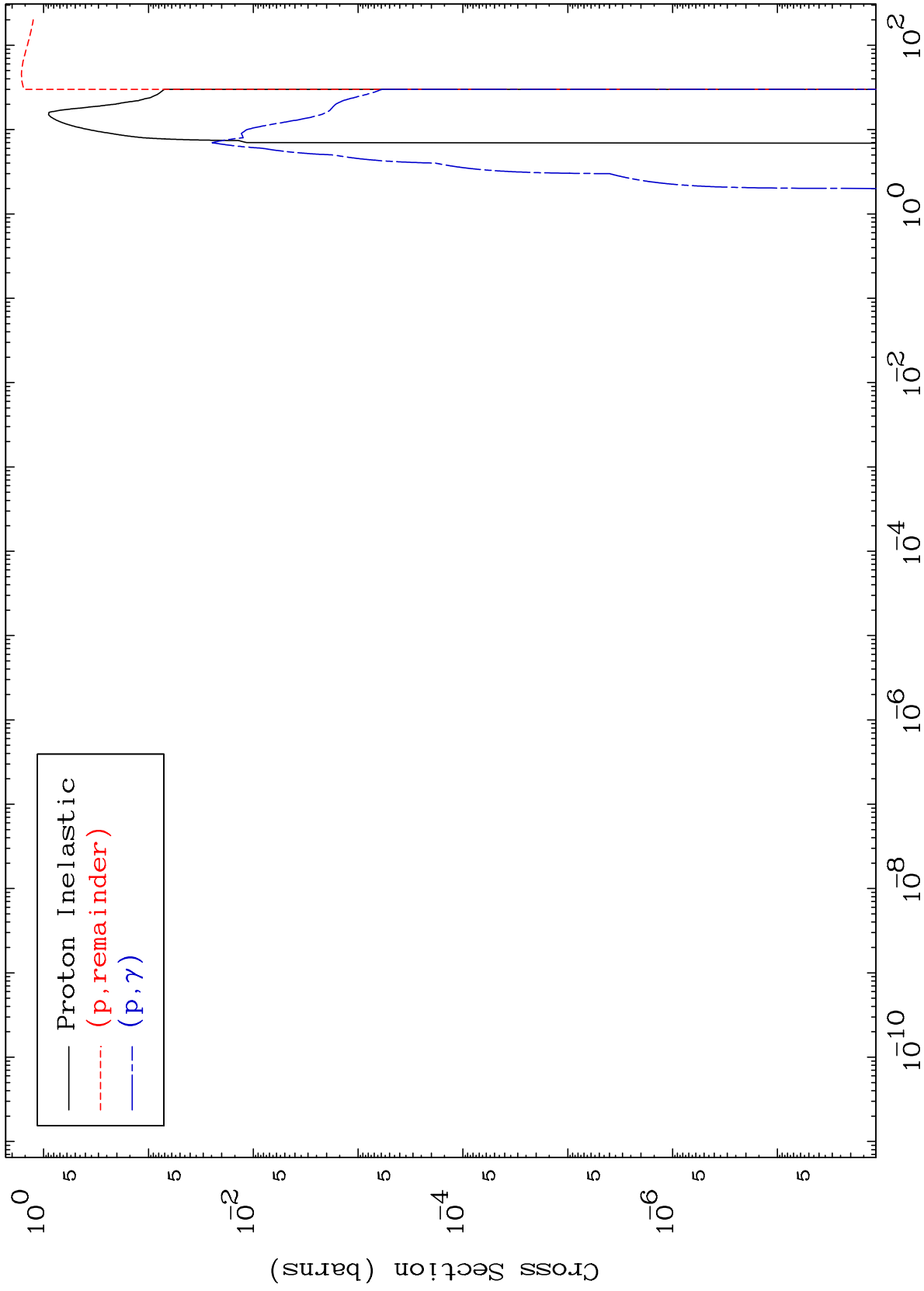
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6019

Proton Major
0 Kelvin Cross Sections

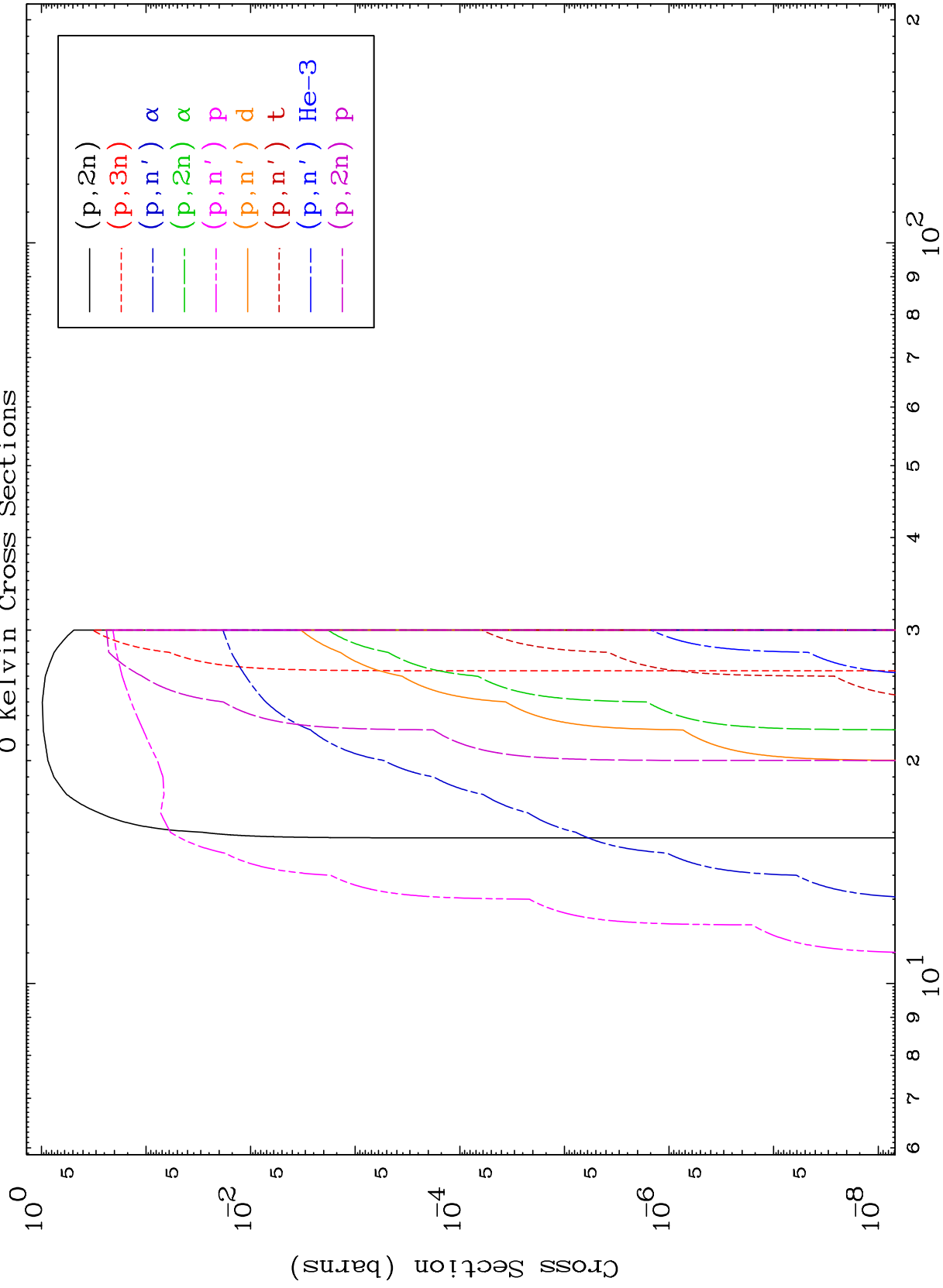
60-Nd-140



MAT 6019

Proton Neutron Production
0 Kelvin Cross Sections

60-Nd-140



2

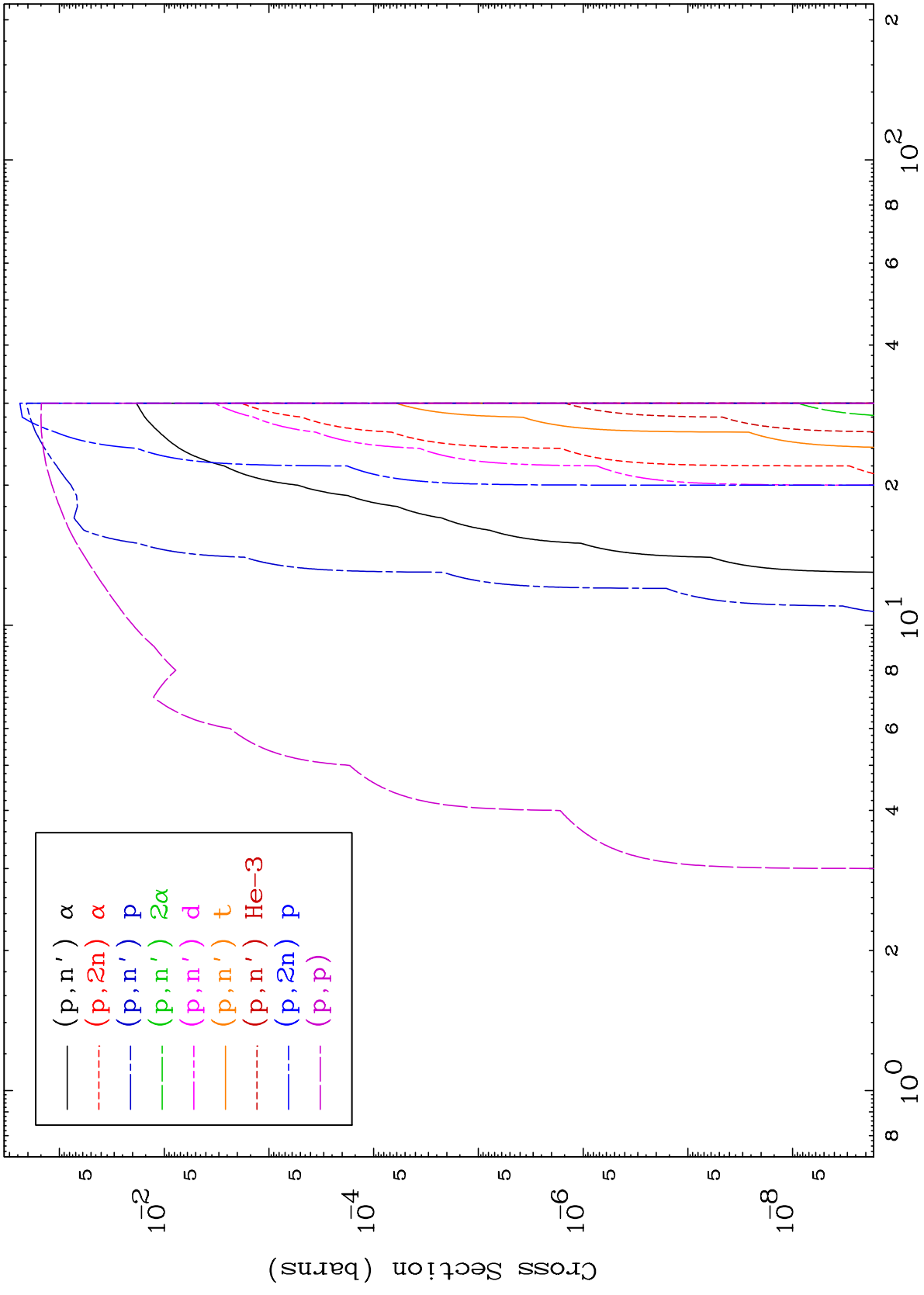
Incident Energy (MeV)

60-Nd-140

MAT 6019

Proton Charged Particle
0 Kelvin Cross Sections

60-Nd-140



3

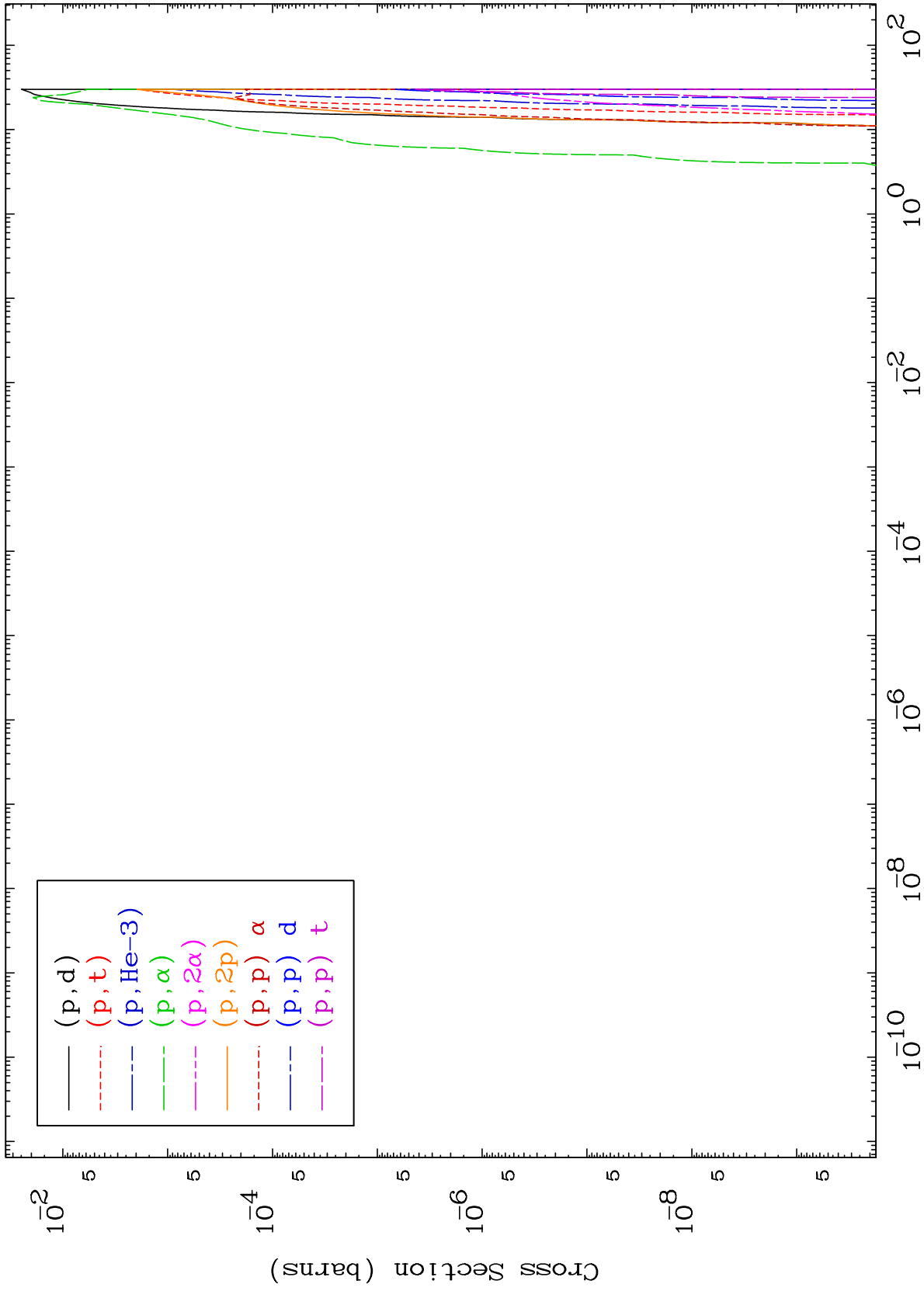
Incident Energy (MeV)

60-Nd-140

MAT 6019

Proton Charged Particle
0 Kelvin Cross Sections

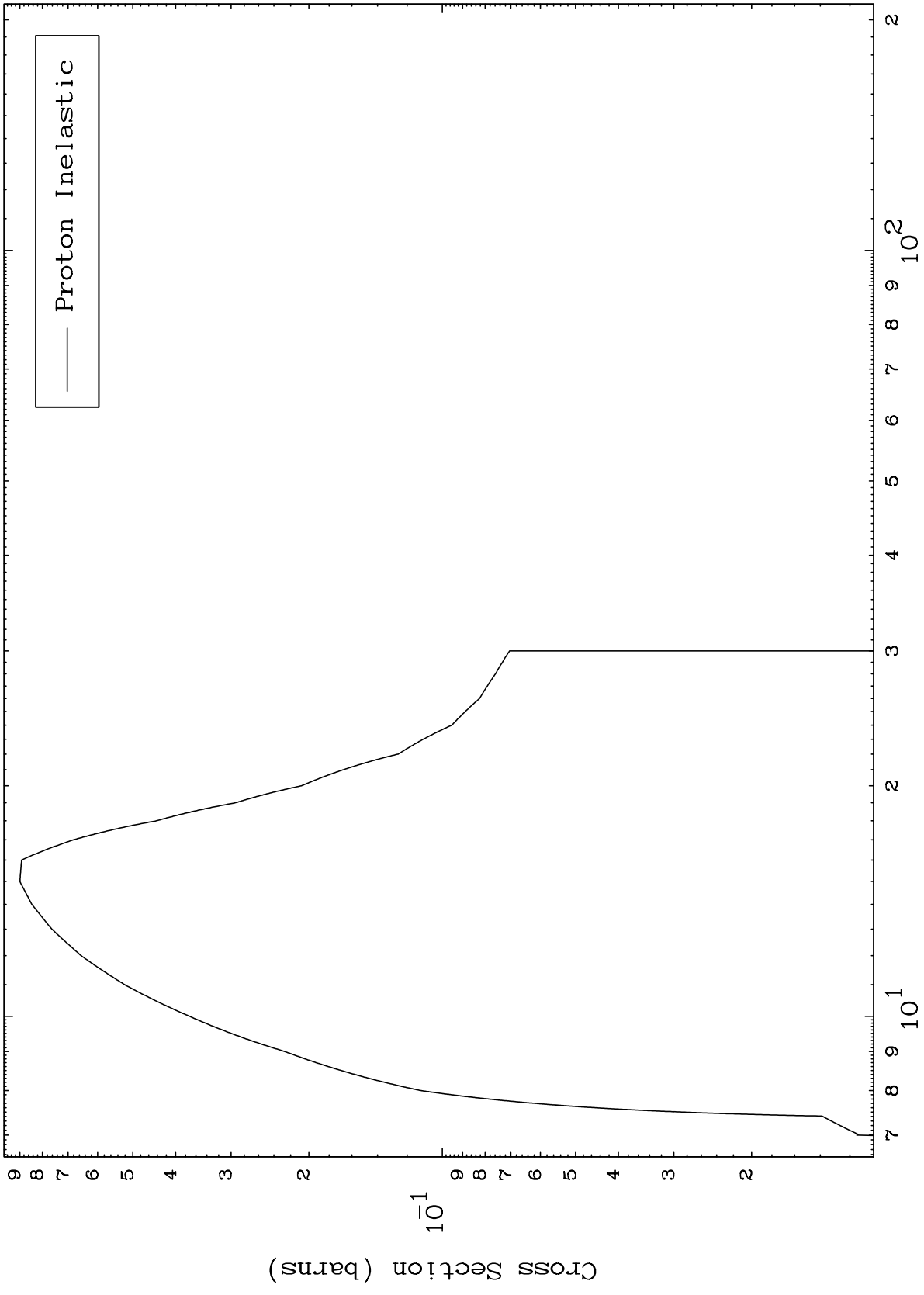
60-Nd-140



MAT 6019

(p,n') Level
0 Kelvin Cross Sections

60-Nd-140



— Proton Inelastic

5

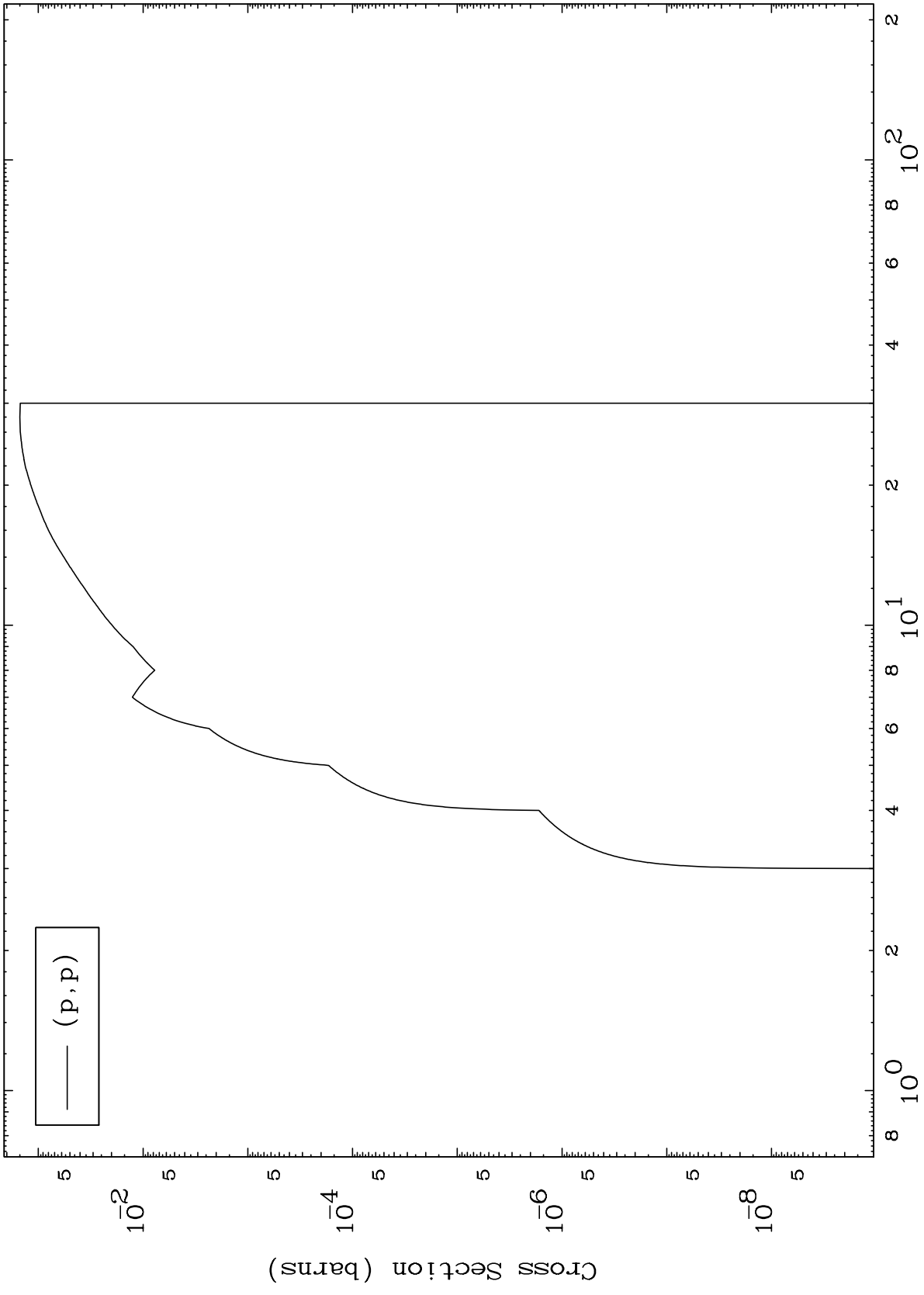
Incident Energy (MeV)

60-Nd-140

MAT 6019

60-Nd-140

(p,p) Levels
0 Kelvin Cross Sections



6

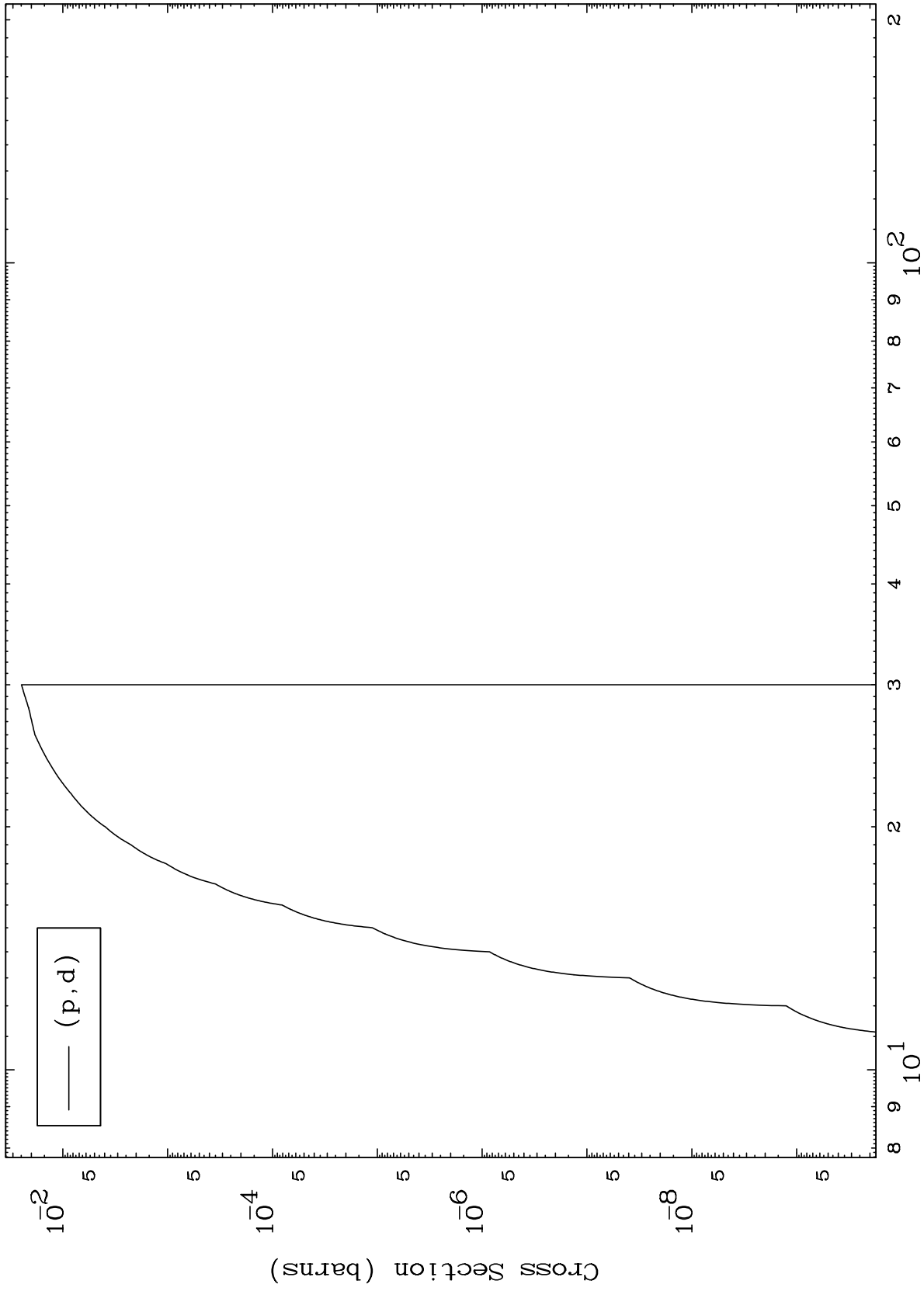
Incident Energy (MeV)

60-Nd-140

MAT 6019

(p,d) Levels
0 Kelvin Cross Sections

60-Nd-140

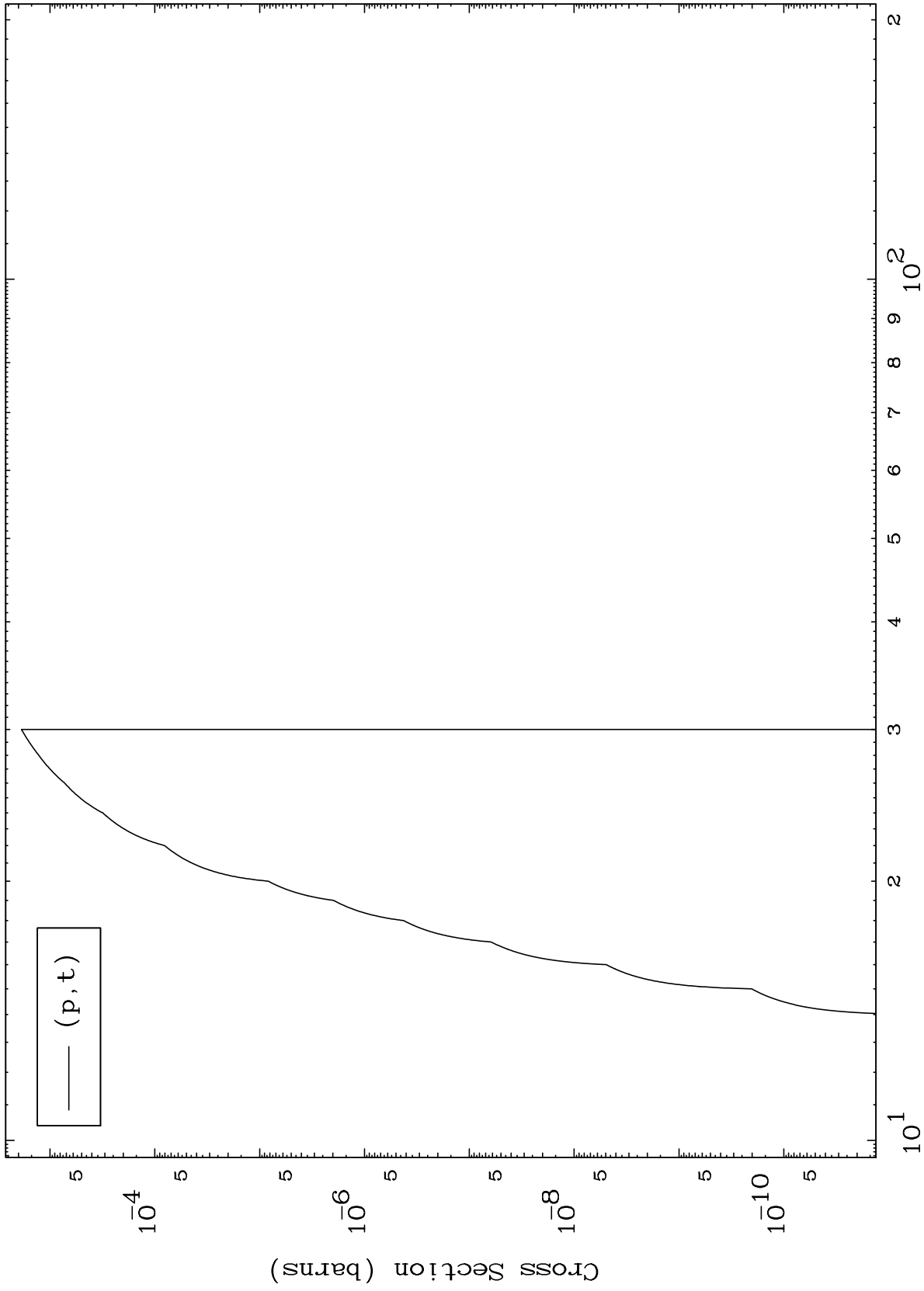


60-Nd-140

MAT 6019

(p,t) Levels
0 Kelvin Cross Sections

60-Nd-140



8

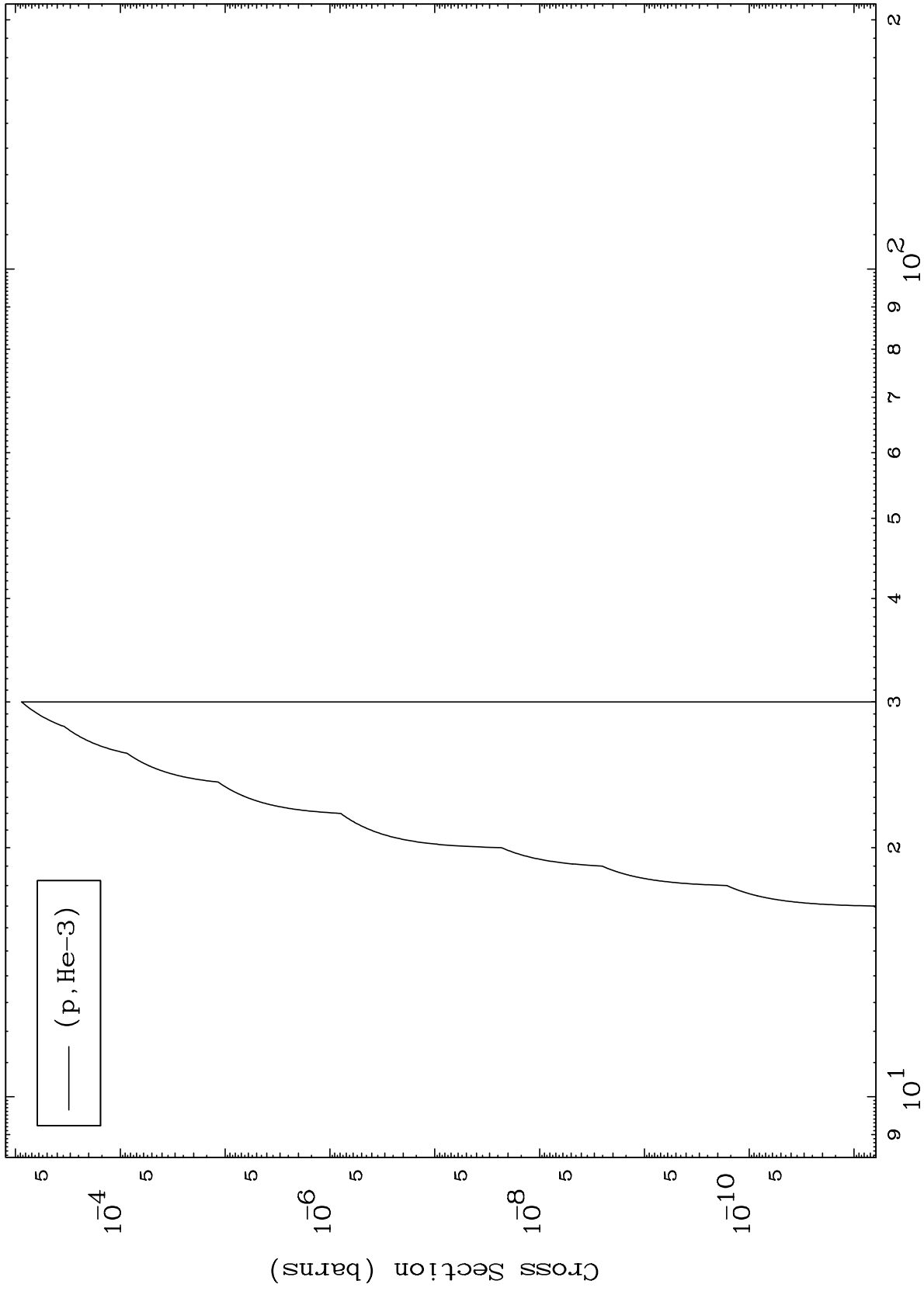
Incident Energy (MeV)

60-Nd-140

MAT 6019

(p,He3) Levels
0 Kelvin Cross Sections

60-Nd-140



9

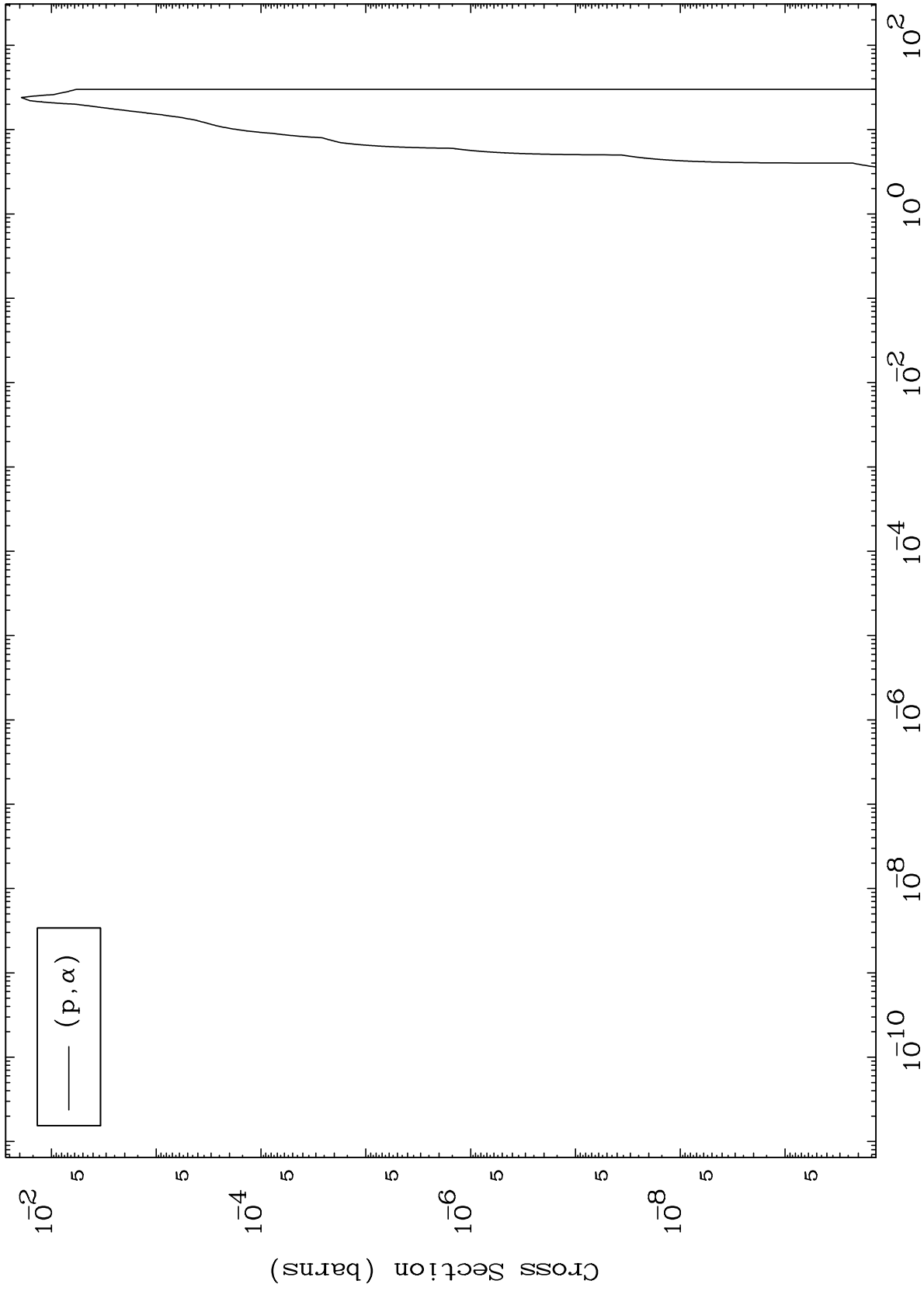
Incident Energy (MeV)

60-Nd-140

MAT 6019

(p,α) Levels
0 Kelvin Cross Sections

60-Nd-140



10

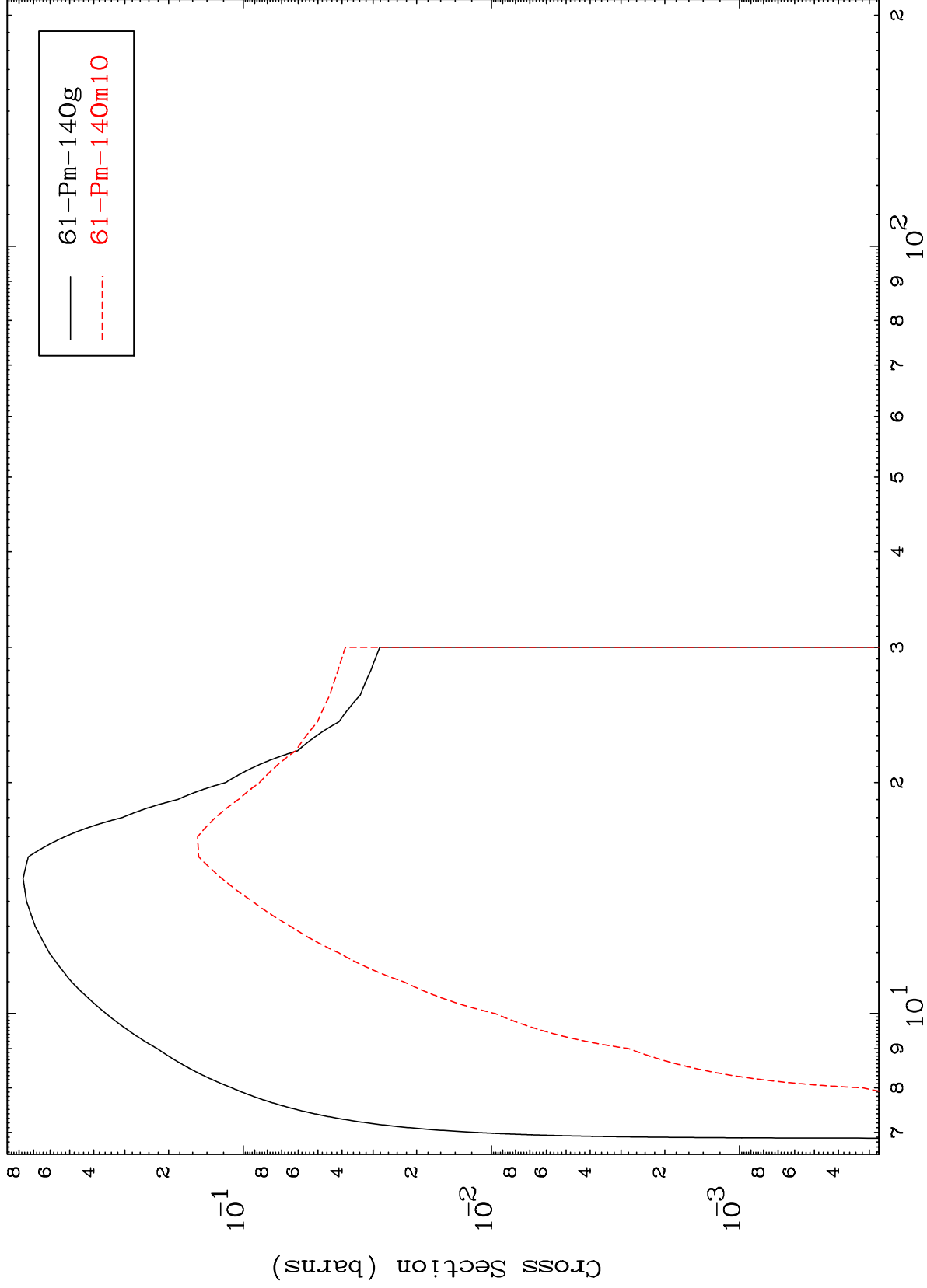
Incident Energy (MeV)

60-Nd-140

MAT 6019

Proton Inelastic
Radionuclide Production Cross Section

60-Nd-140



11

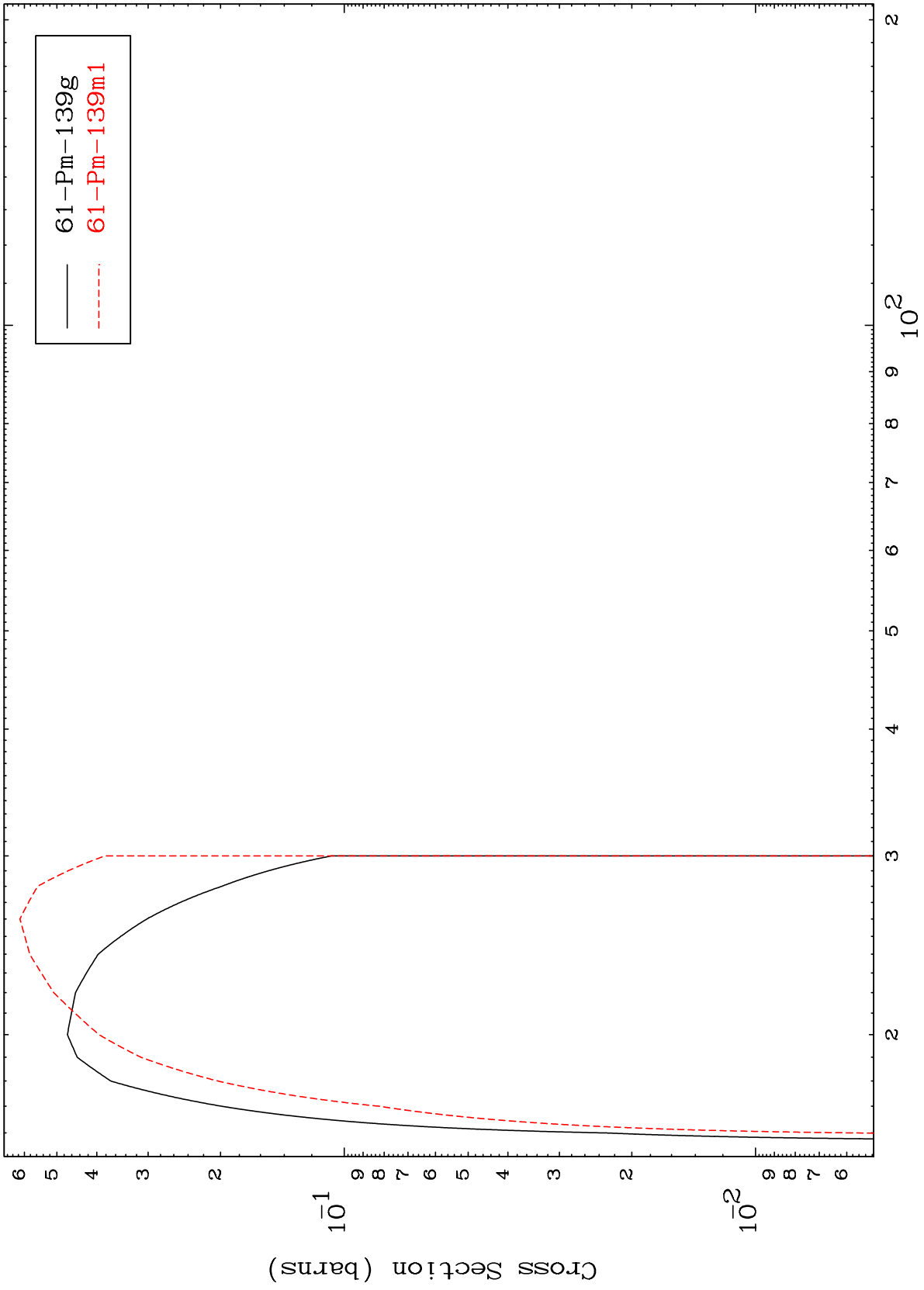
Incident Energy (MeV)

60-Nd-140

MAT 6019

60-Nd-140

(p,2n)
Radionuclide Production Cross Section



12

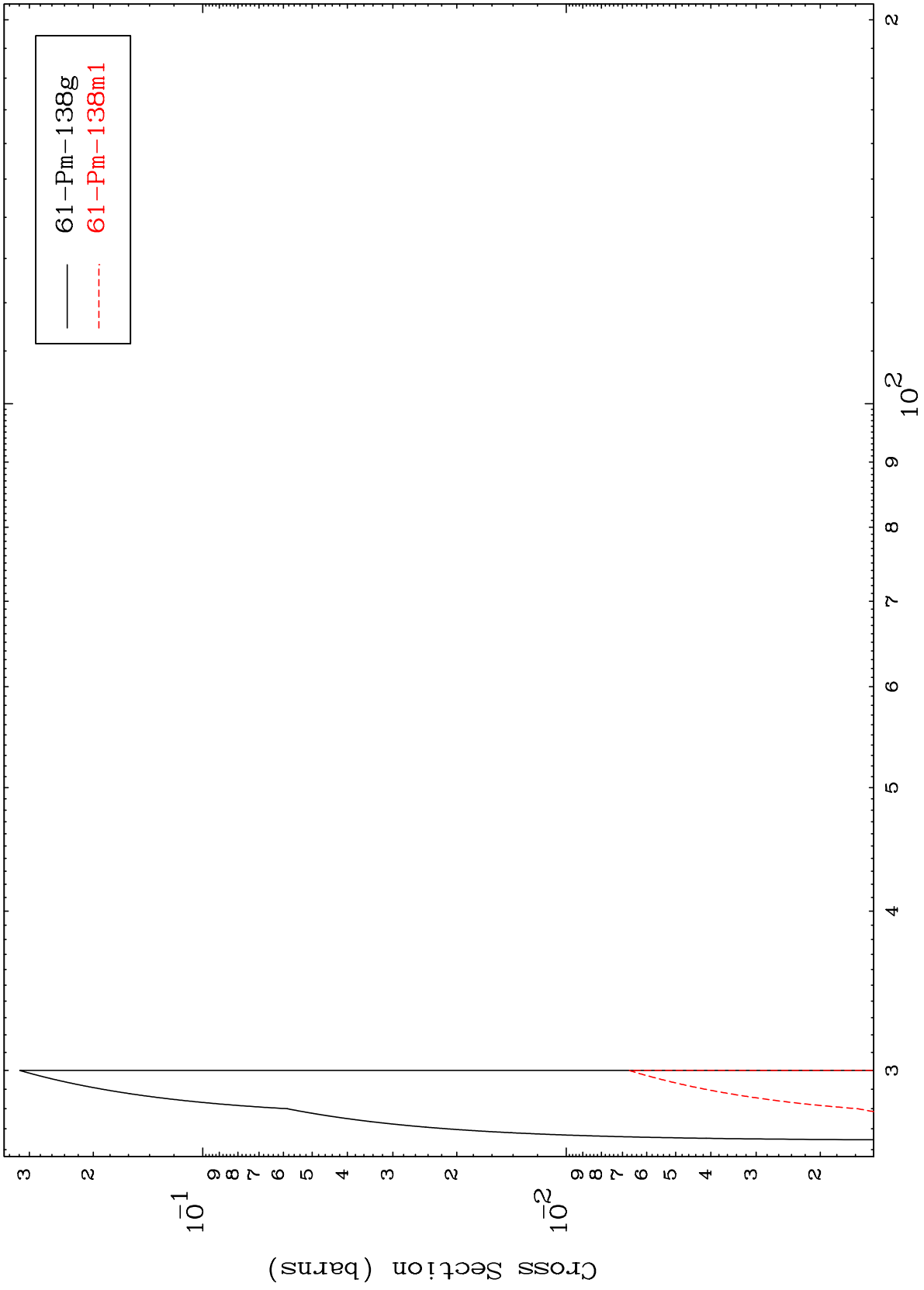
Incident Energy (MeV)

60-Nd-140

MAT 6019

60-Nd-140

Radionuclide Production Cross Section
(p,3n)



13

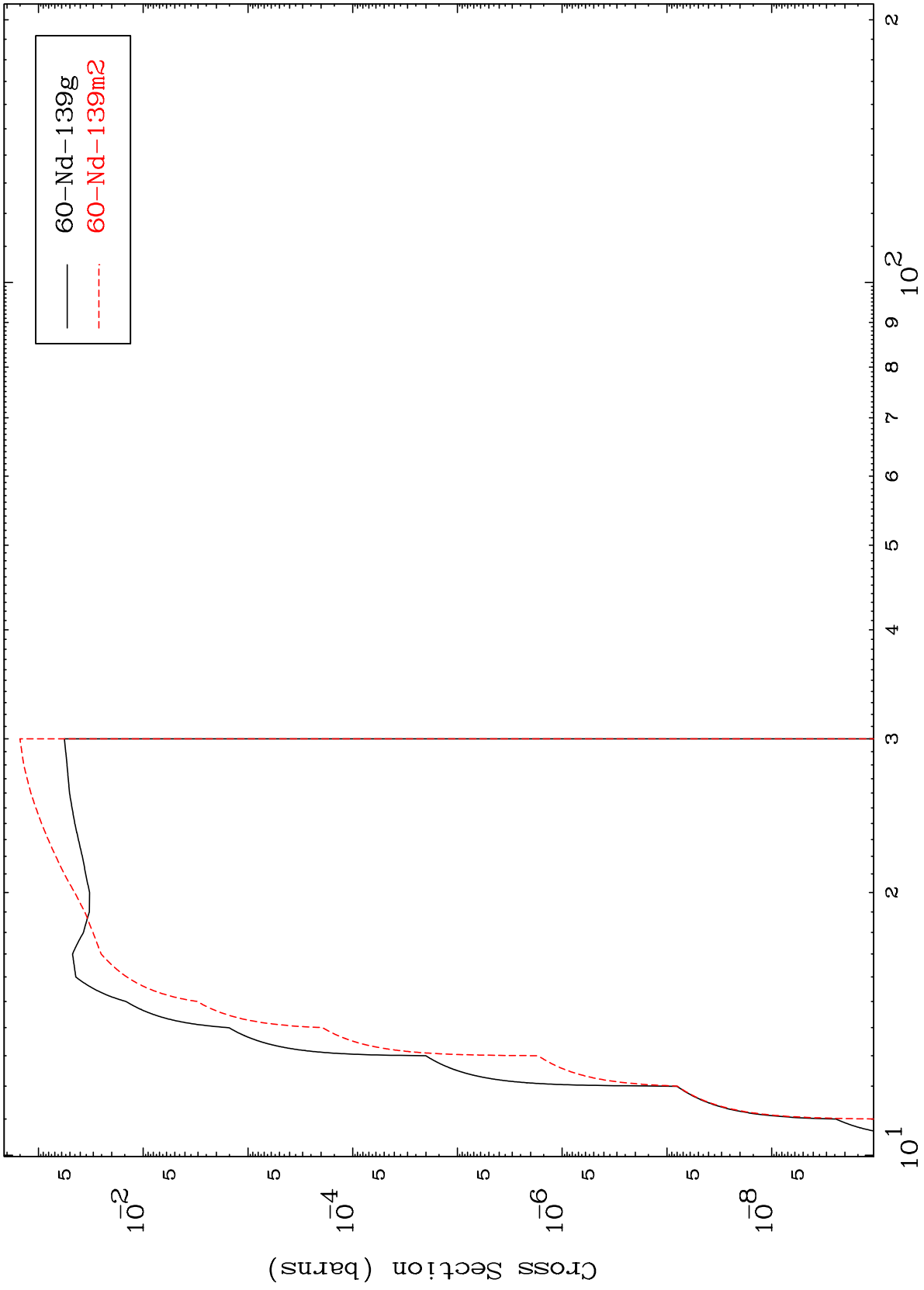
60-Nd-140

MAT 6019

(p,n') p

⁶⁰Nd-140

Radionuclide Production Cross Section



10⁻¹

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10²

Incident Energy (MeV)

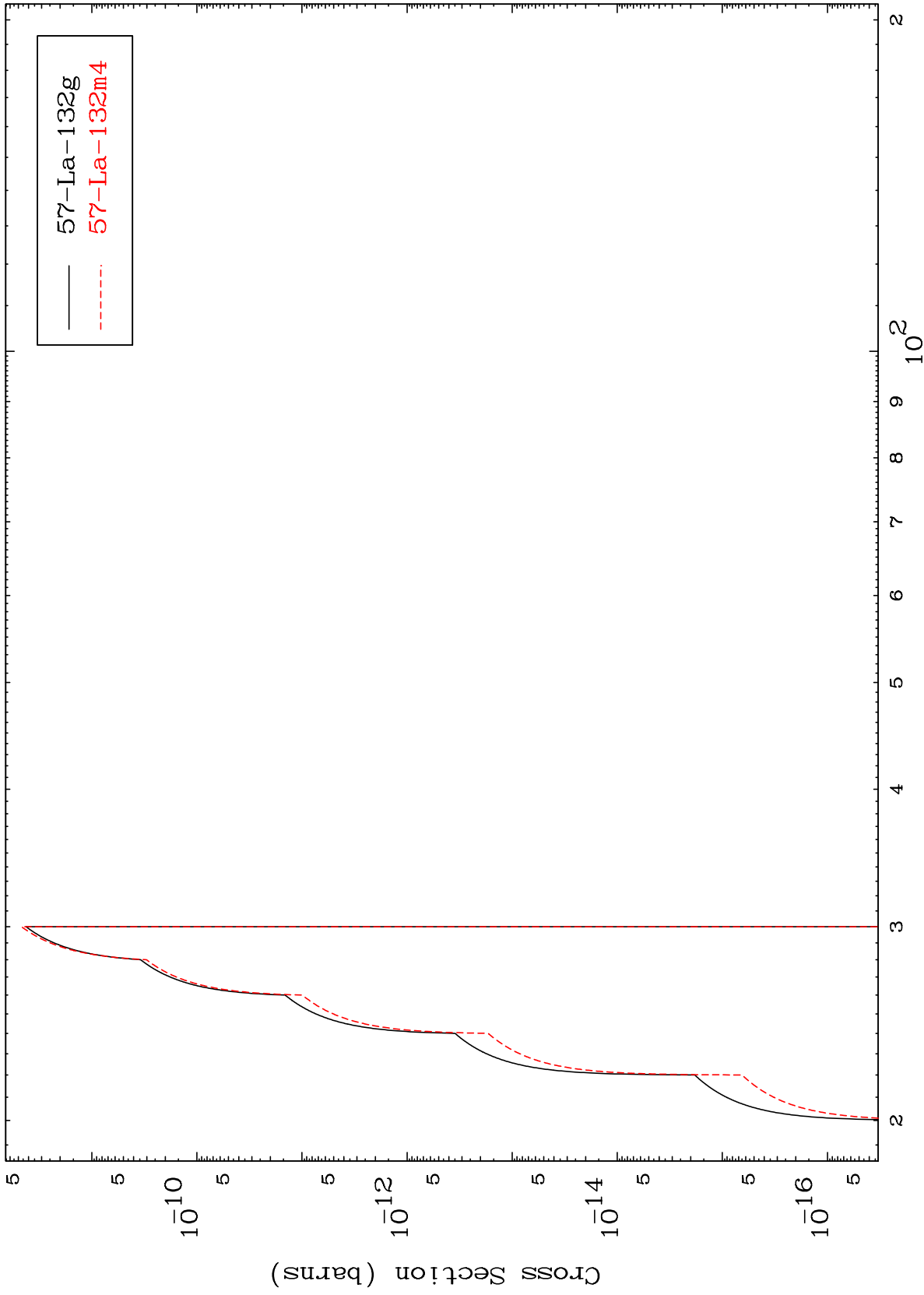
⁶⁰Nd-140

MAT 6019

(p,n') 2 α

60-Nd-140

Radionuclide Production Cross Section



15

Incident Energy (MeV)

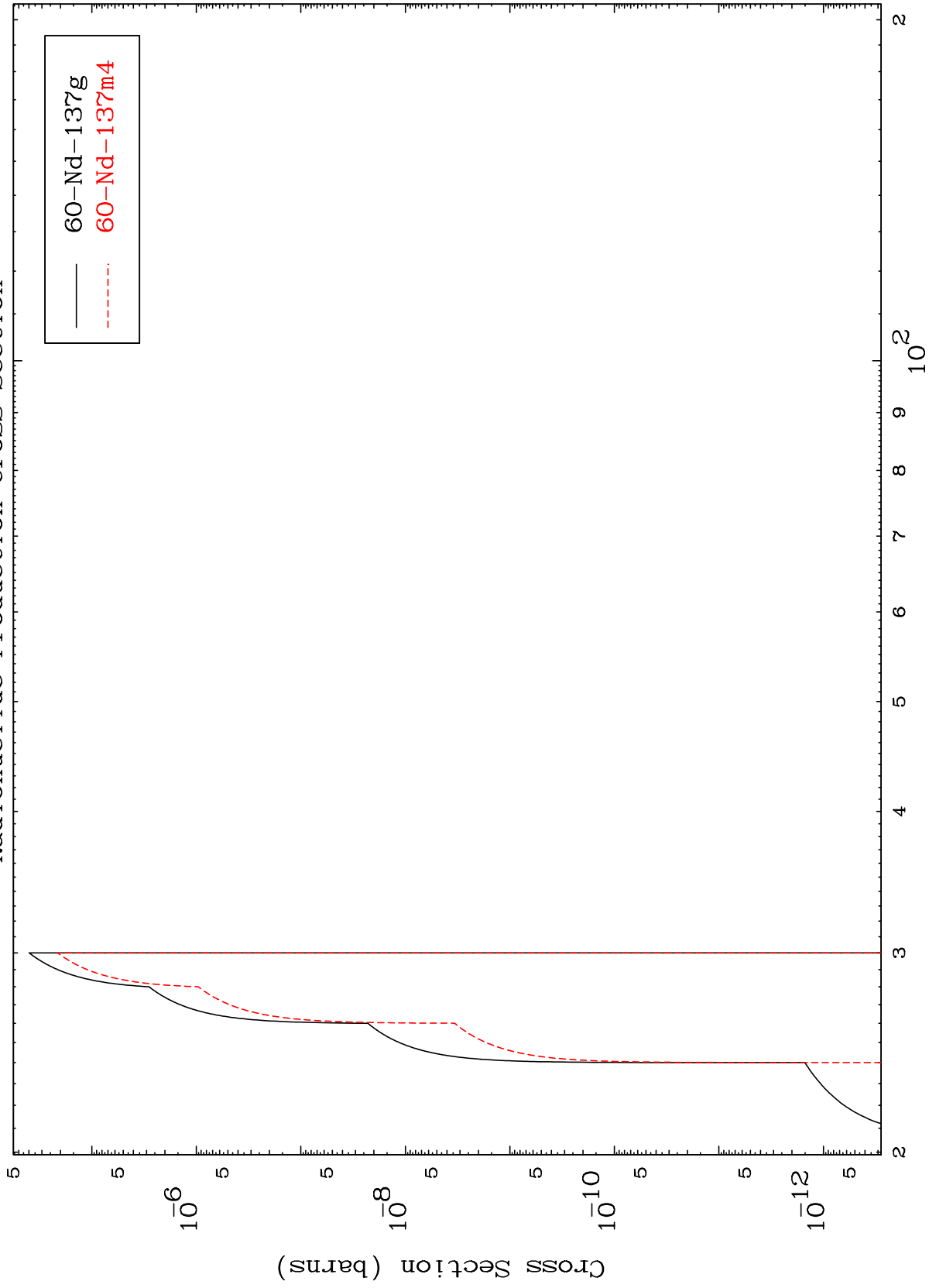
60-Nd-140

MAT 6019

(p,n') t

60-Nd-140

Radionuclide Production Cross Section



16

Incident Energy (MeV)

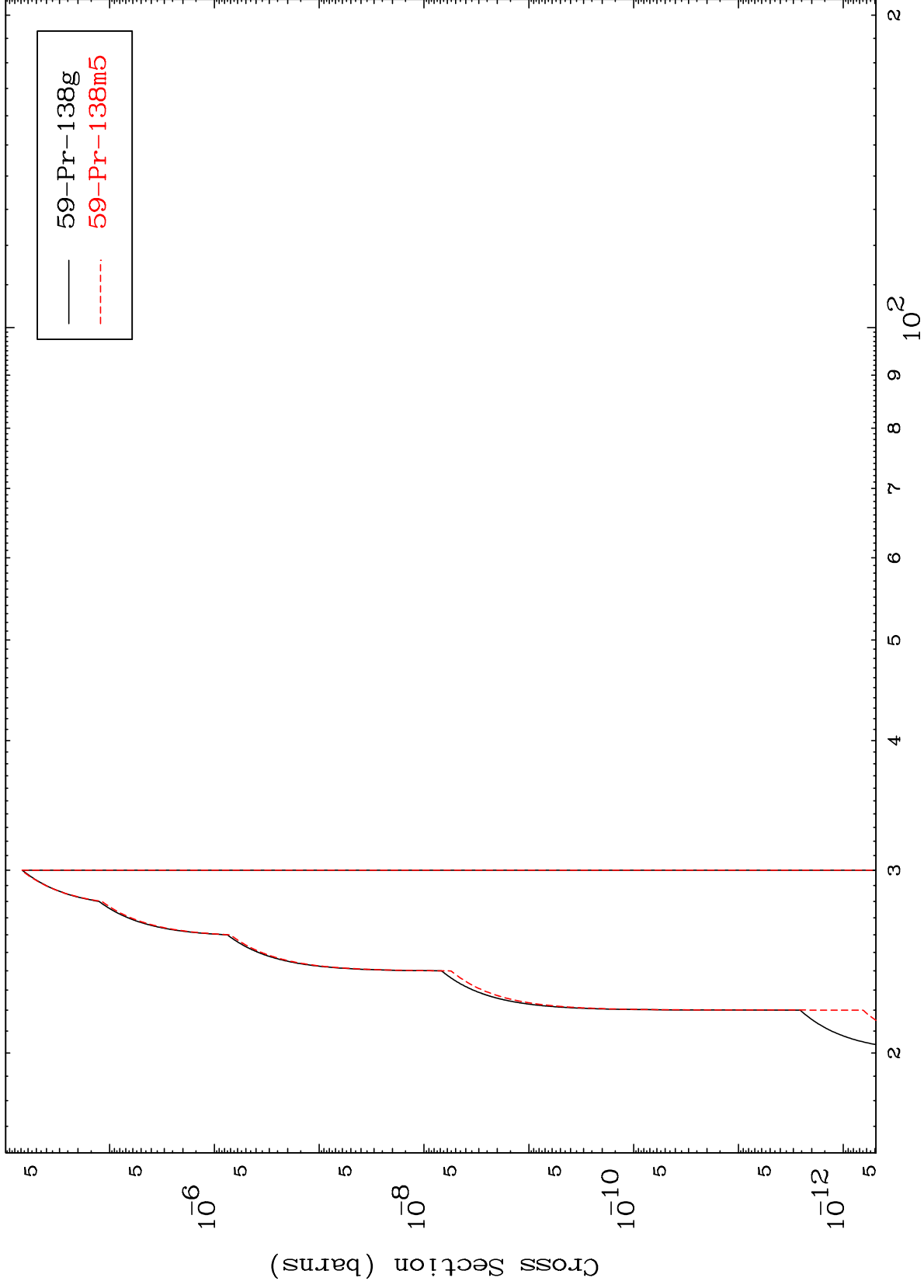
60-Nd-140

MAT 6019

(p,2n) p

60-Nd-140

Radionuclide Production Cross Section



17

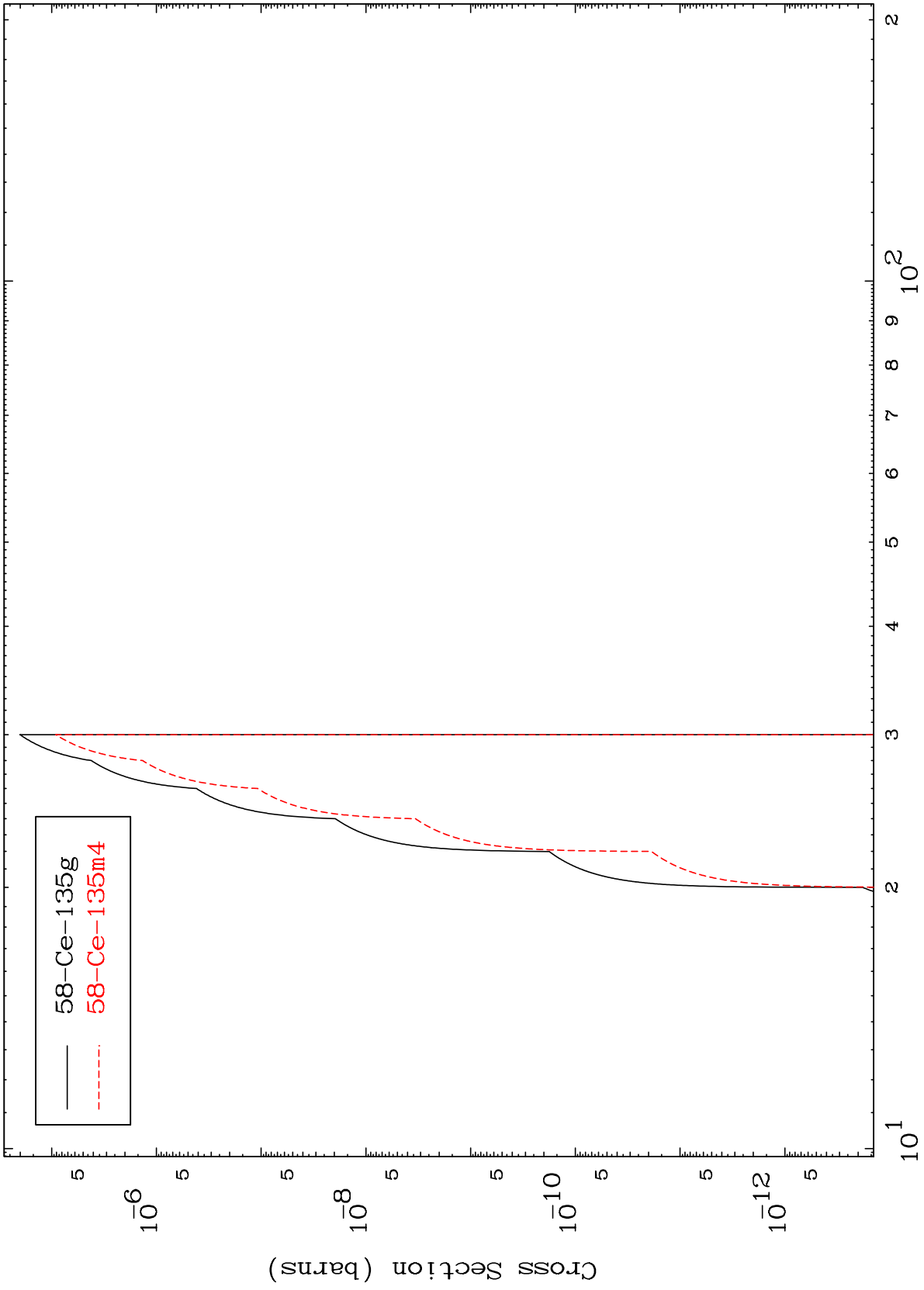
Incident Energy (MeV)

60-Nd-140

MAT 6019

60-Nd-140

(p,n') p α
Radionuclide Production Cross Section

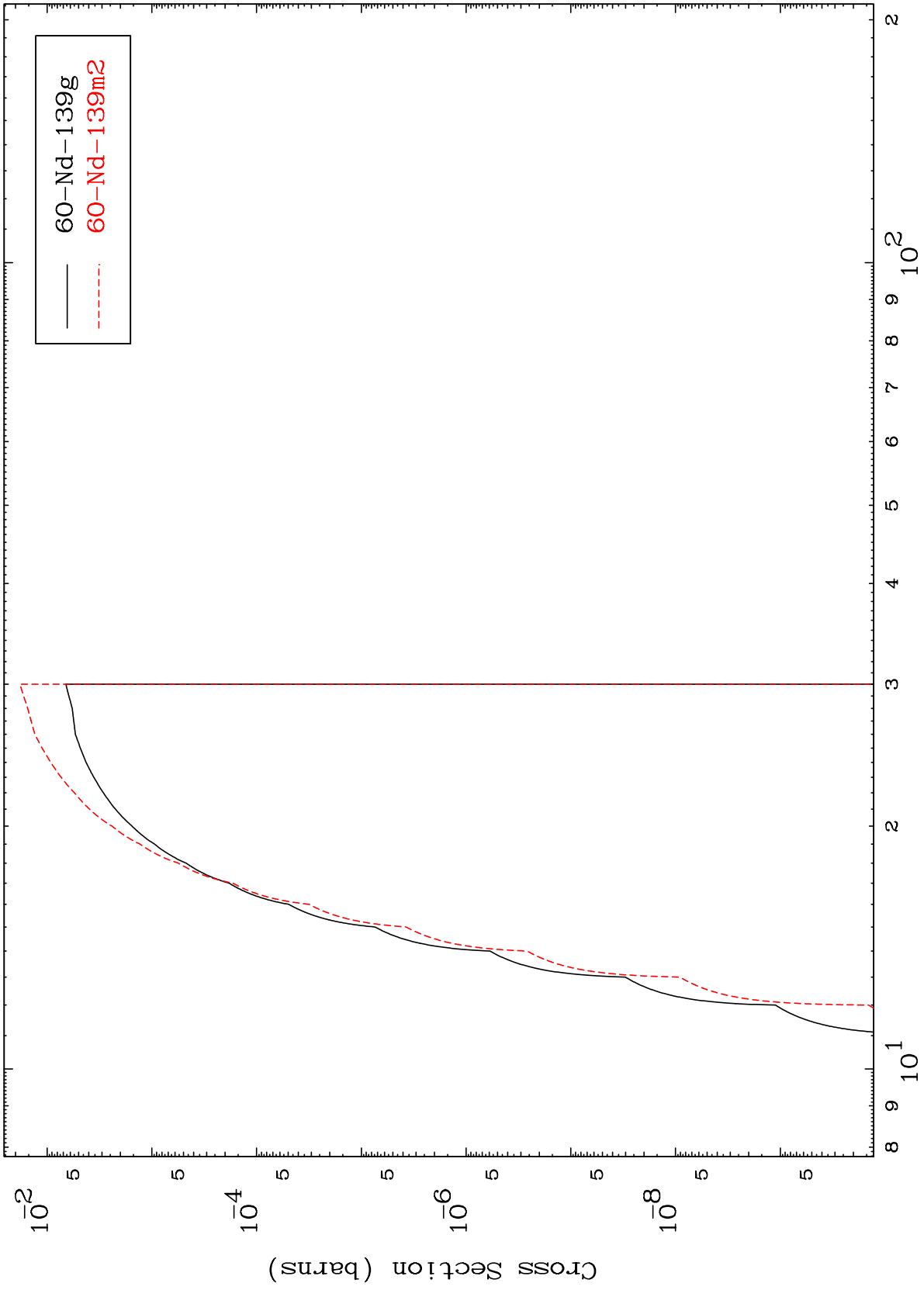


58-Ce-135g
58-Ce-135m4

MAT 6019

60-Nd-140

(p,d)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

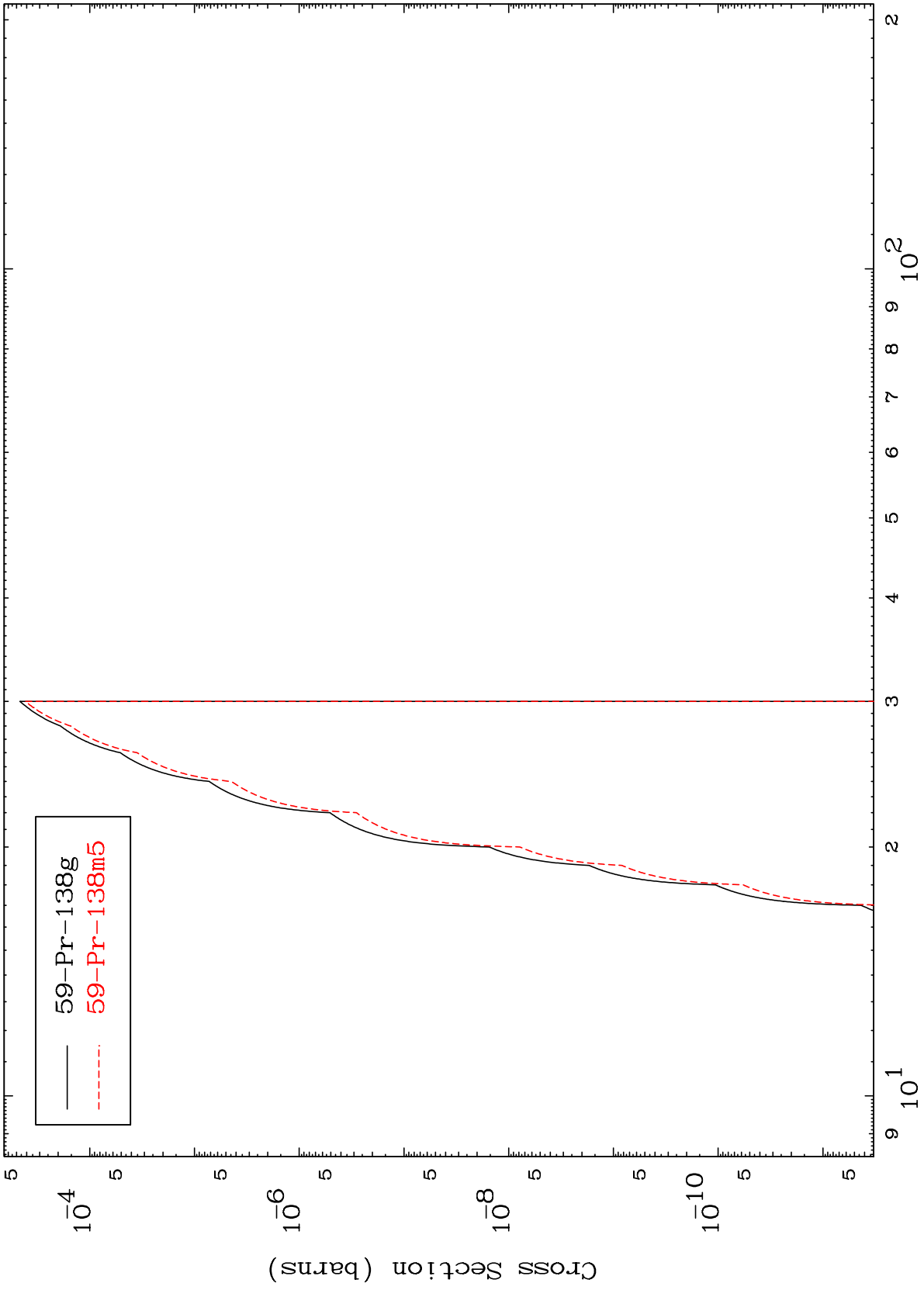
60-Nd-140

MAT 6019

(p,He-3)

60-Nd-140

Radionuclide Production Cross Section



59-Pr-138g
59-Pr-138m5

20

Incident Energy (MeV)

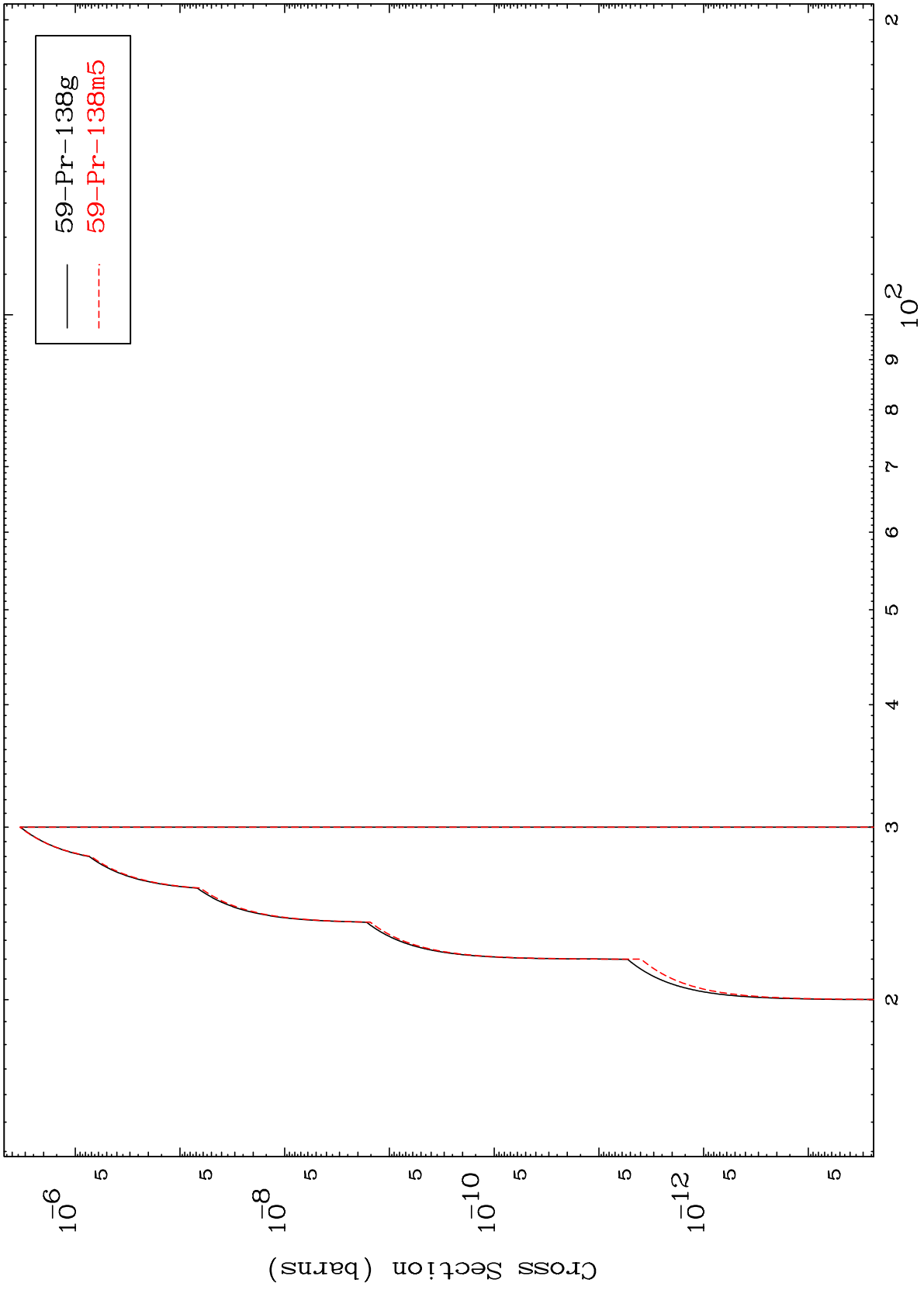
60-Nd-140

MAT 6019

(p,p) d

60-Nd-140

Radionuclide Production Cross Section



21

Incident Energy (MeV)

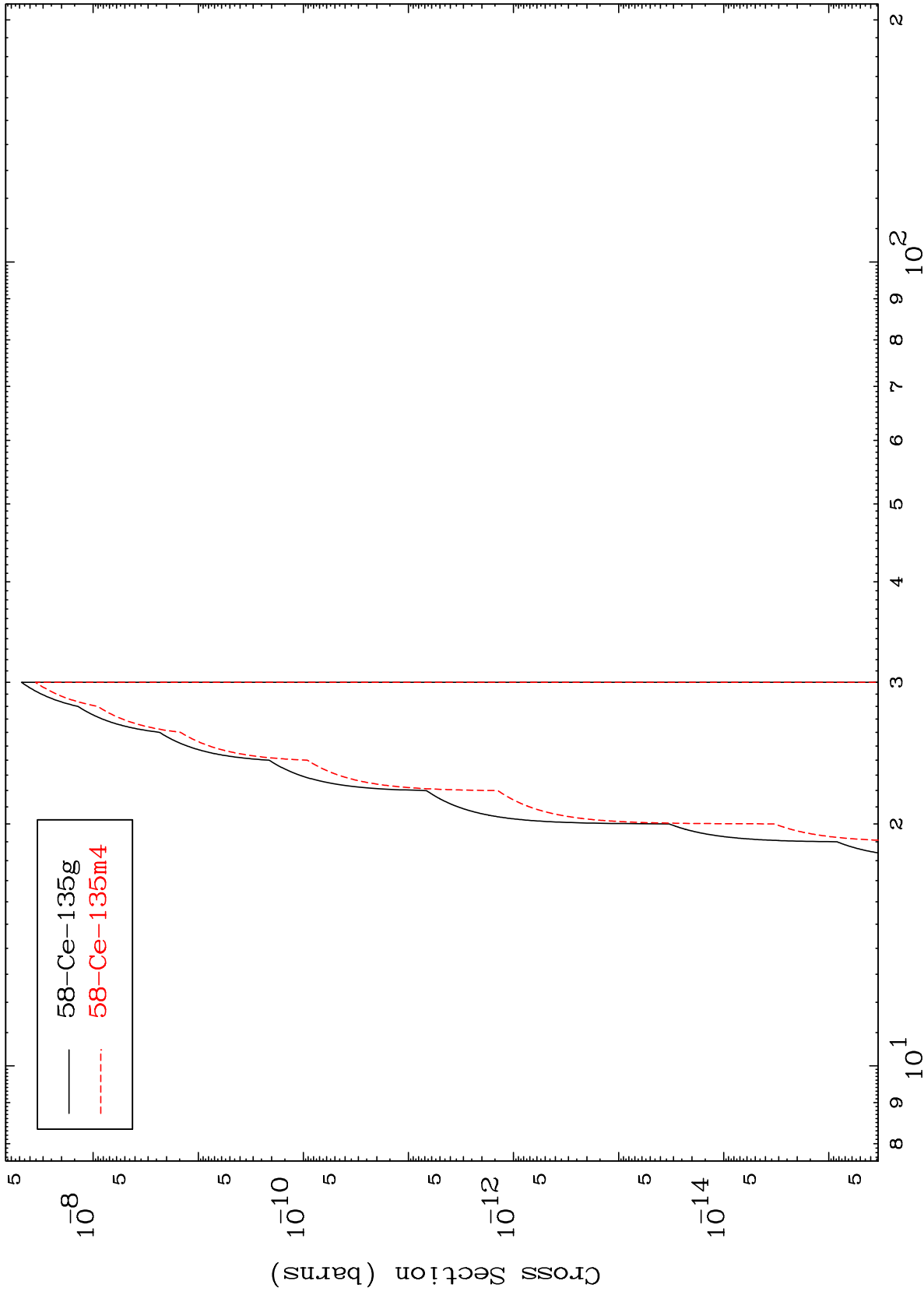
60-Nd-140

MAT 6019

(p,d) α

60-Nd-140

Radionuclide Production Cross Section



22

Incident Energy (MeV)

60-Nd-140