

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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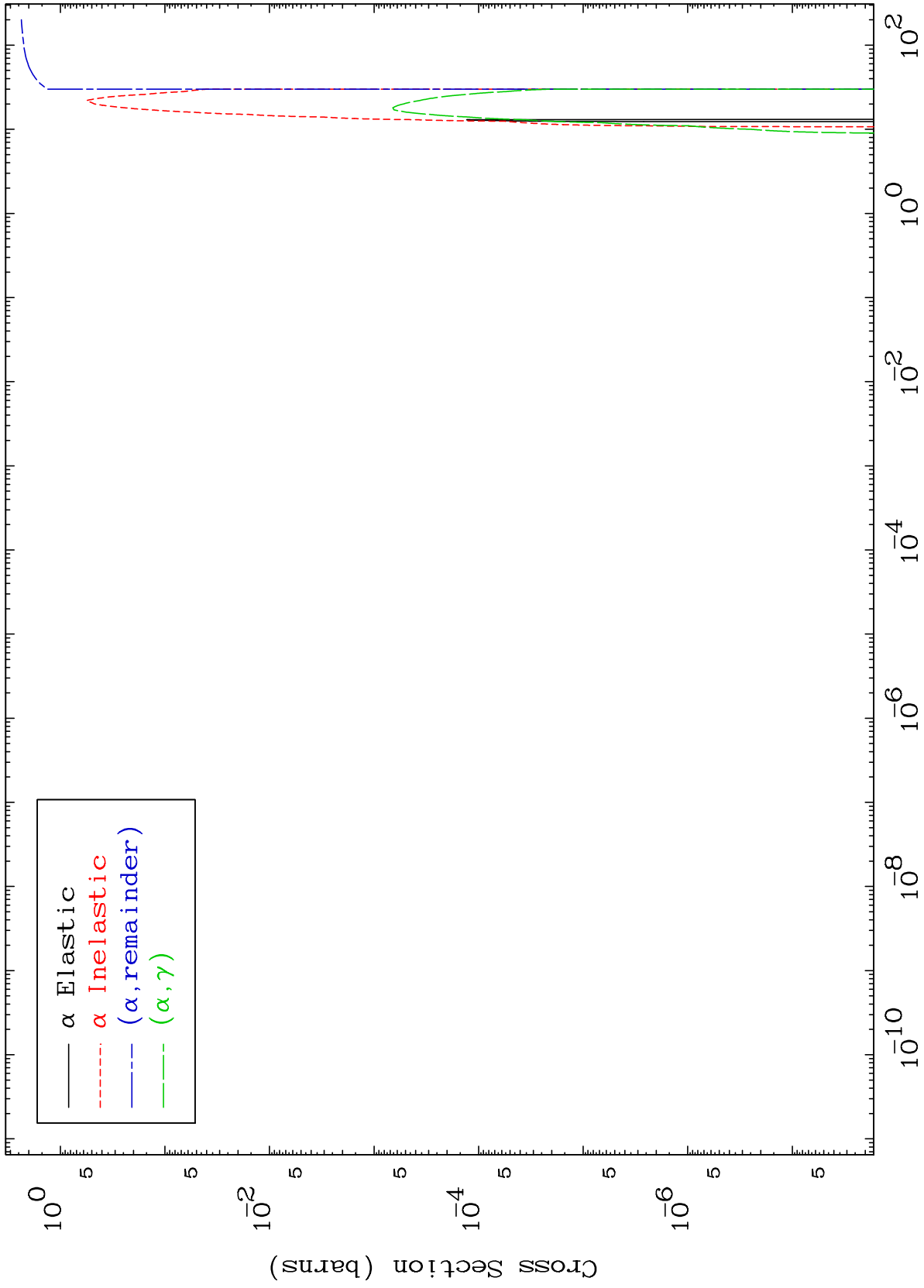
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6019

0 Kelvin  $\alpha$  Major  
Cross Sections

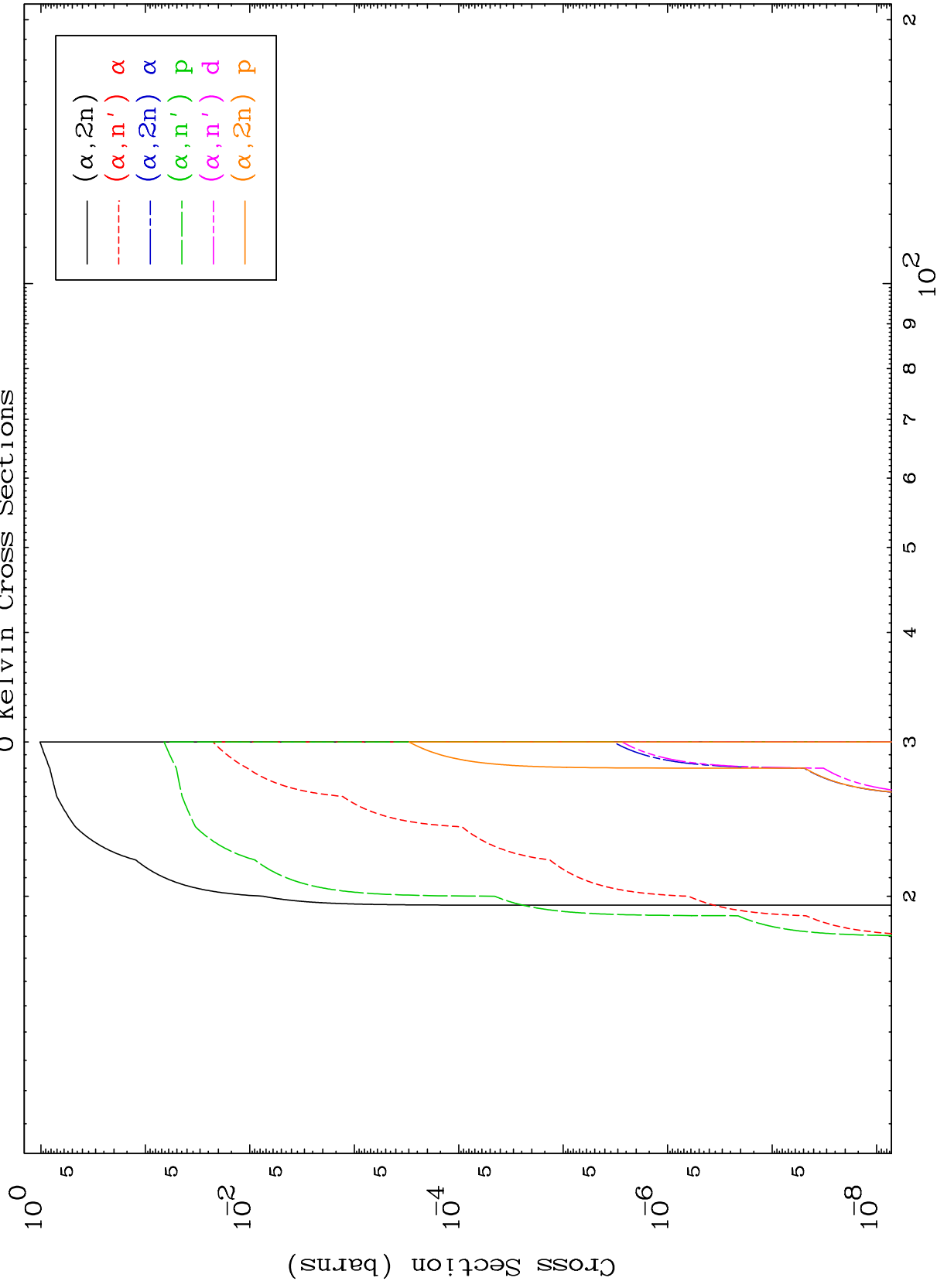
60-Nd-140



MAT 6019

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

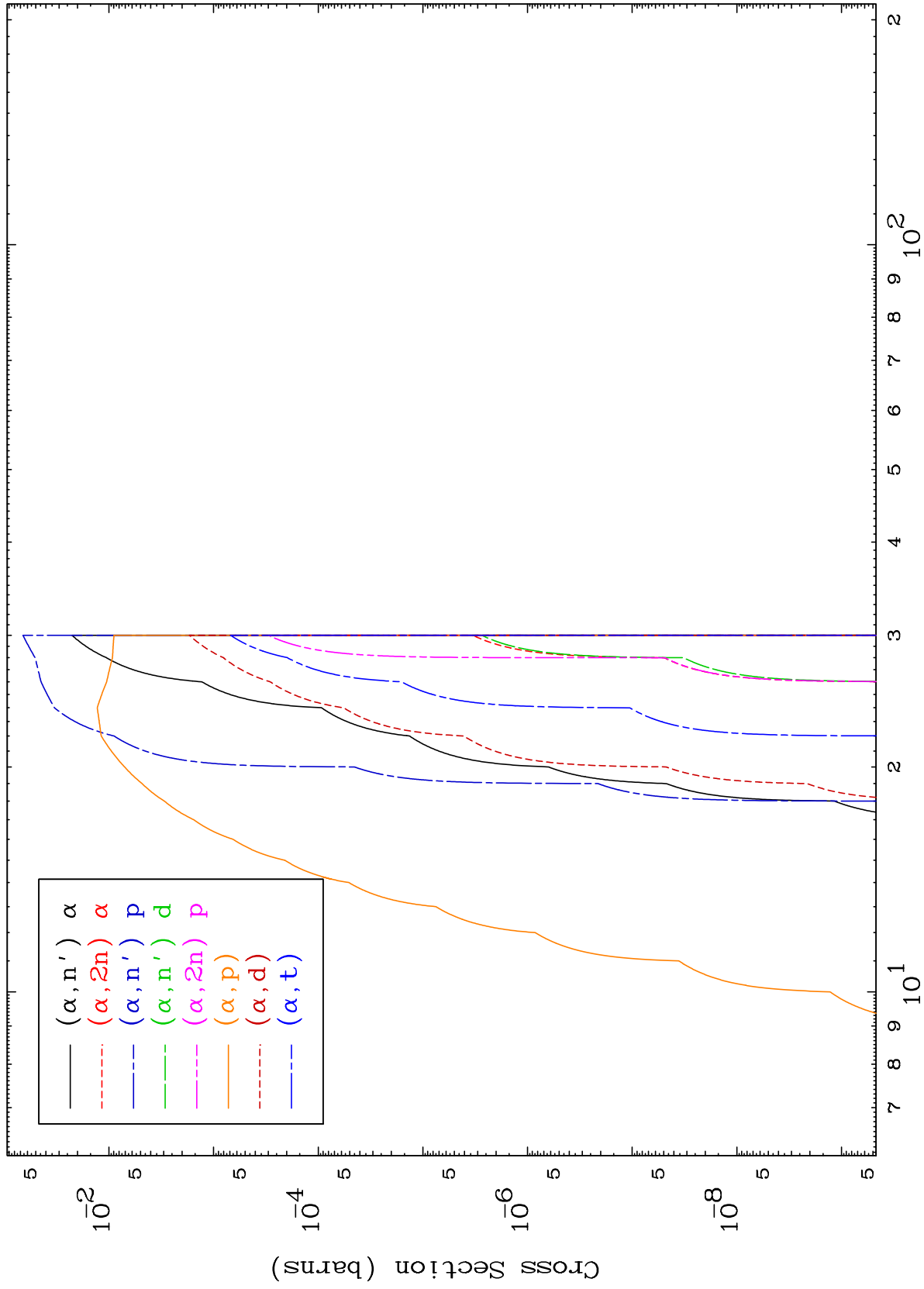
60-Nd-140



2

Incident Energy (MeV)

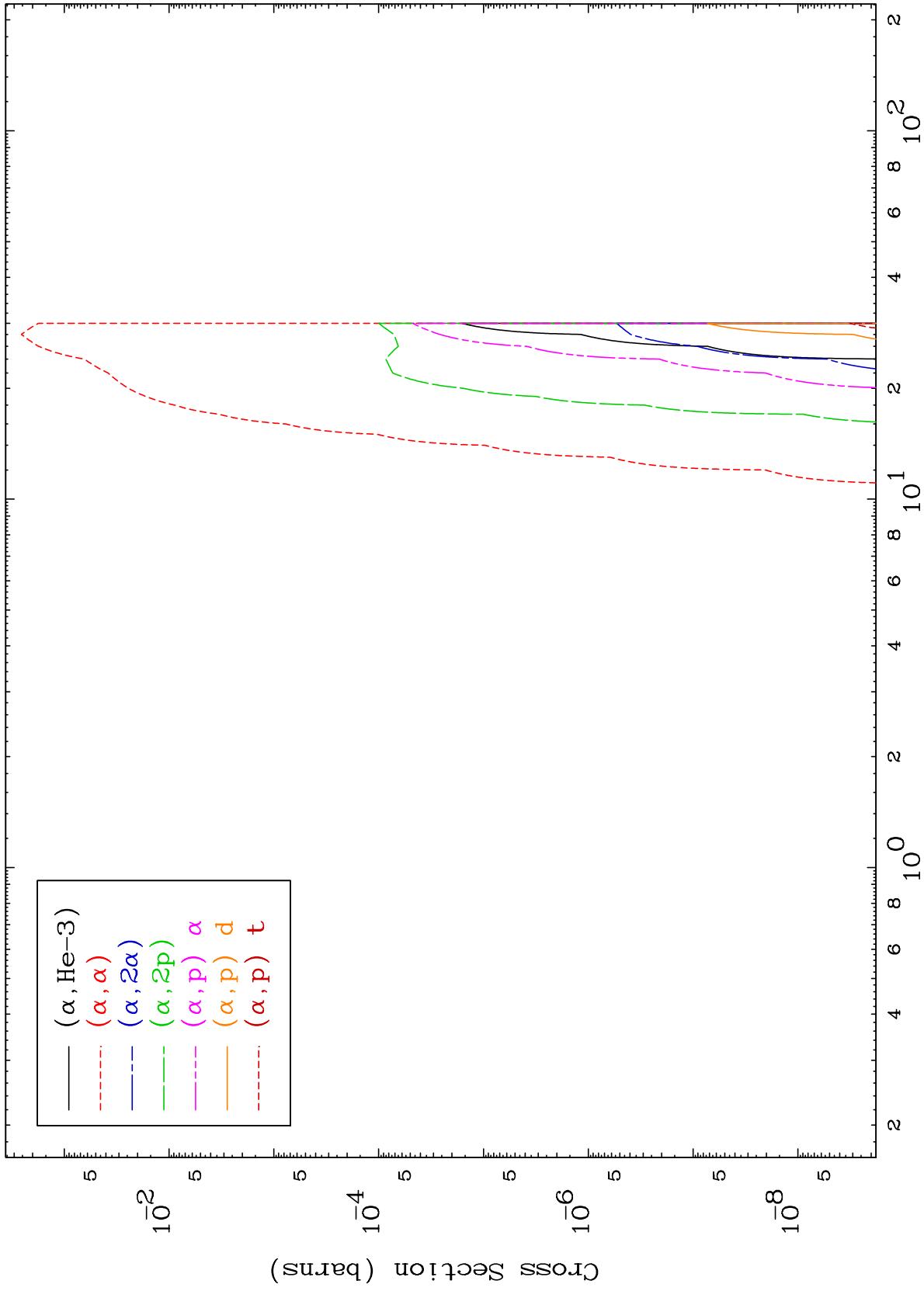
60-Nd-140



MAT 6019

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

60-Nd-140



4

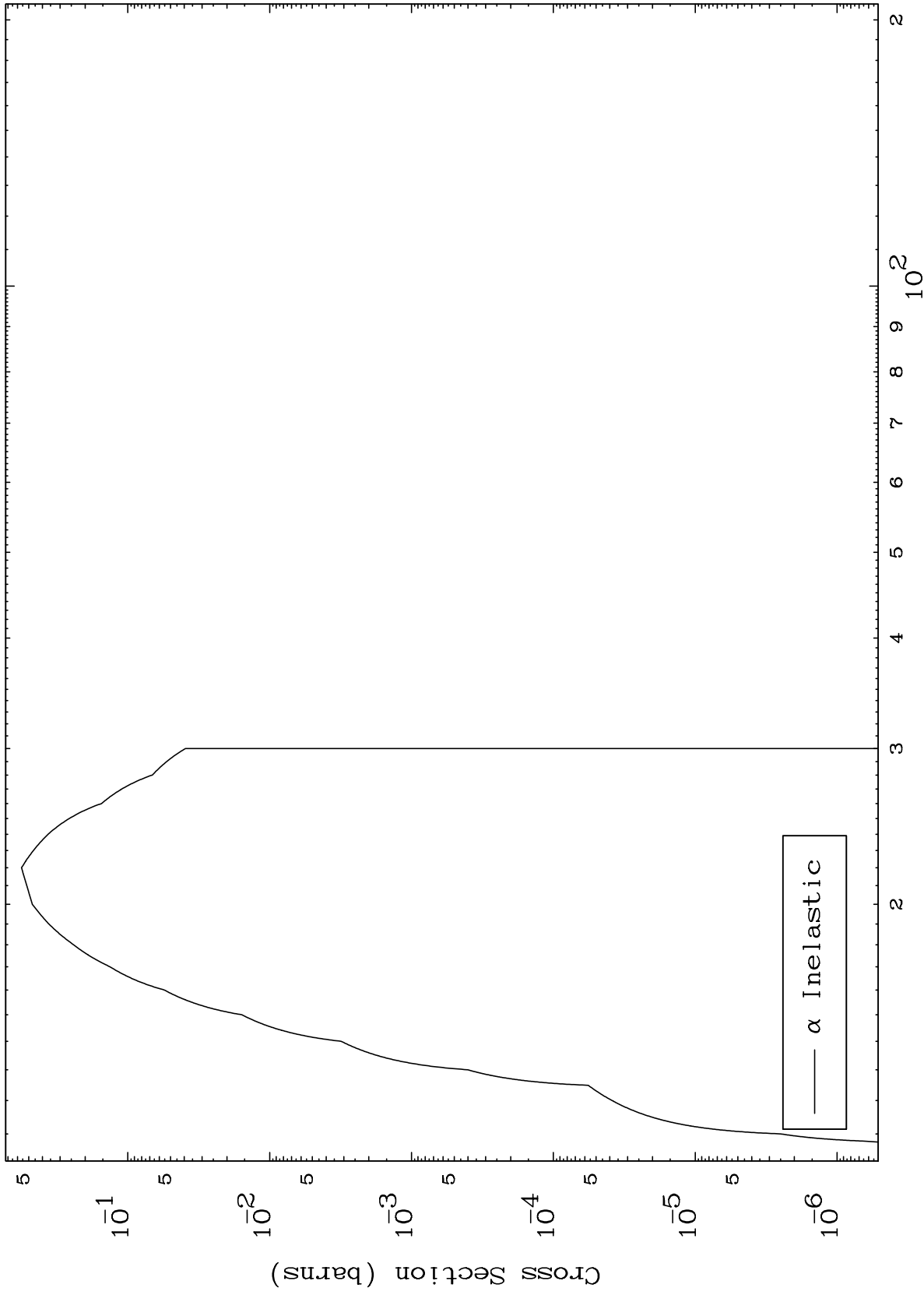
60-Nd-140

60-Nd-140

MAT 6019

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections

60-Nd-140



5

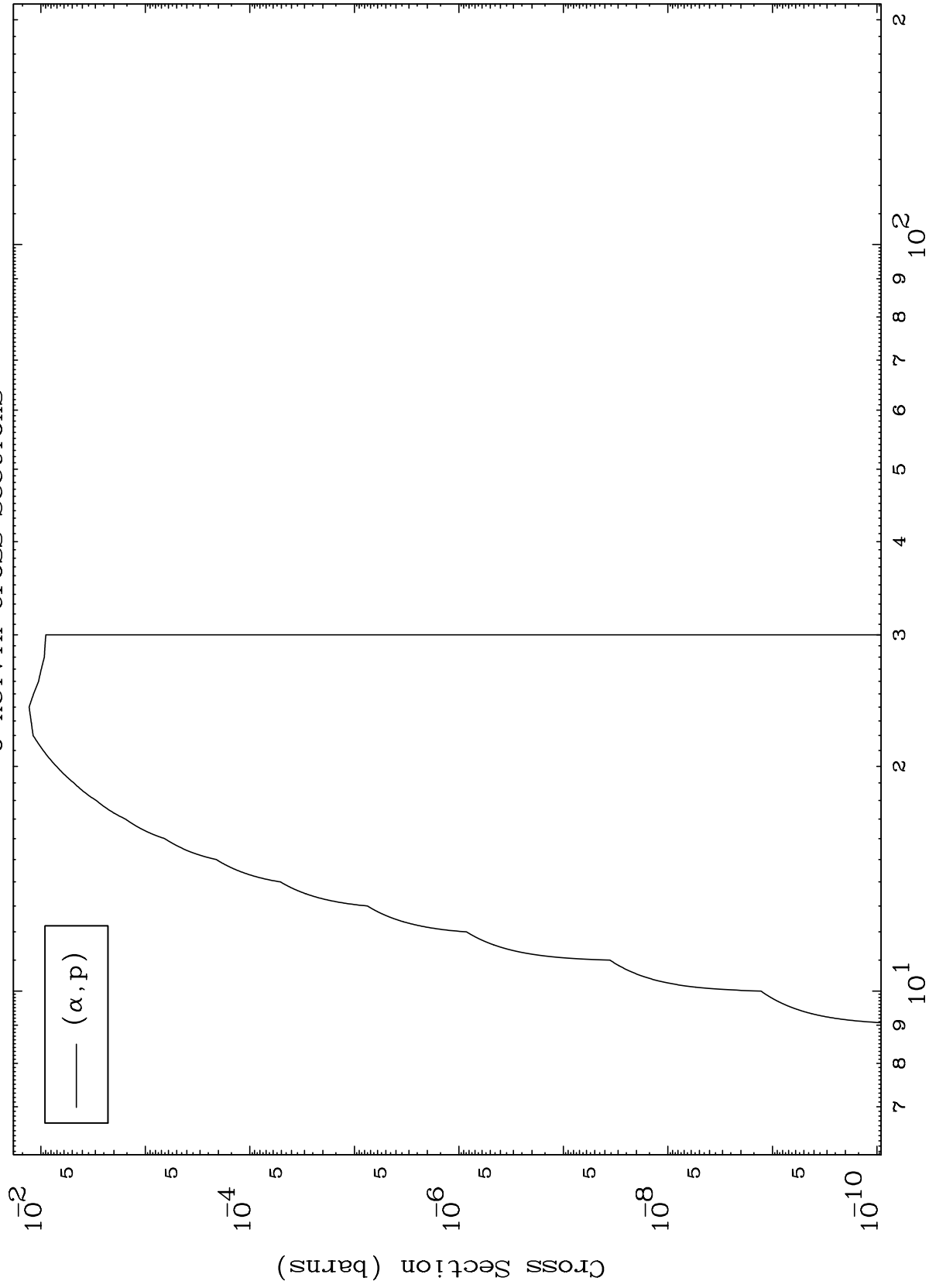
Incident Energy (MeV)

60-Nd-140

MAT 6019

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

60-Nd-140



6

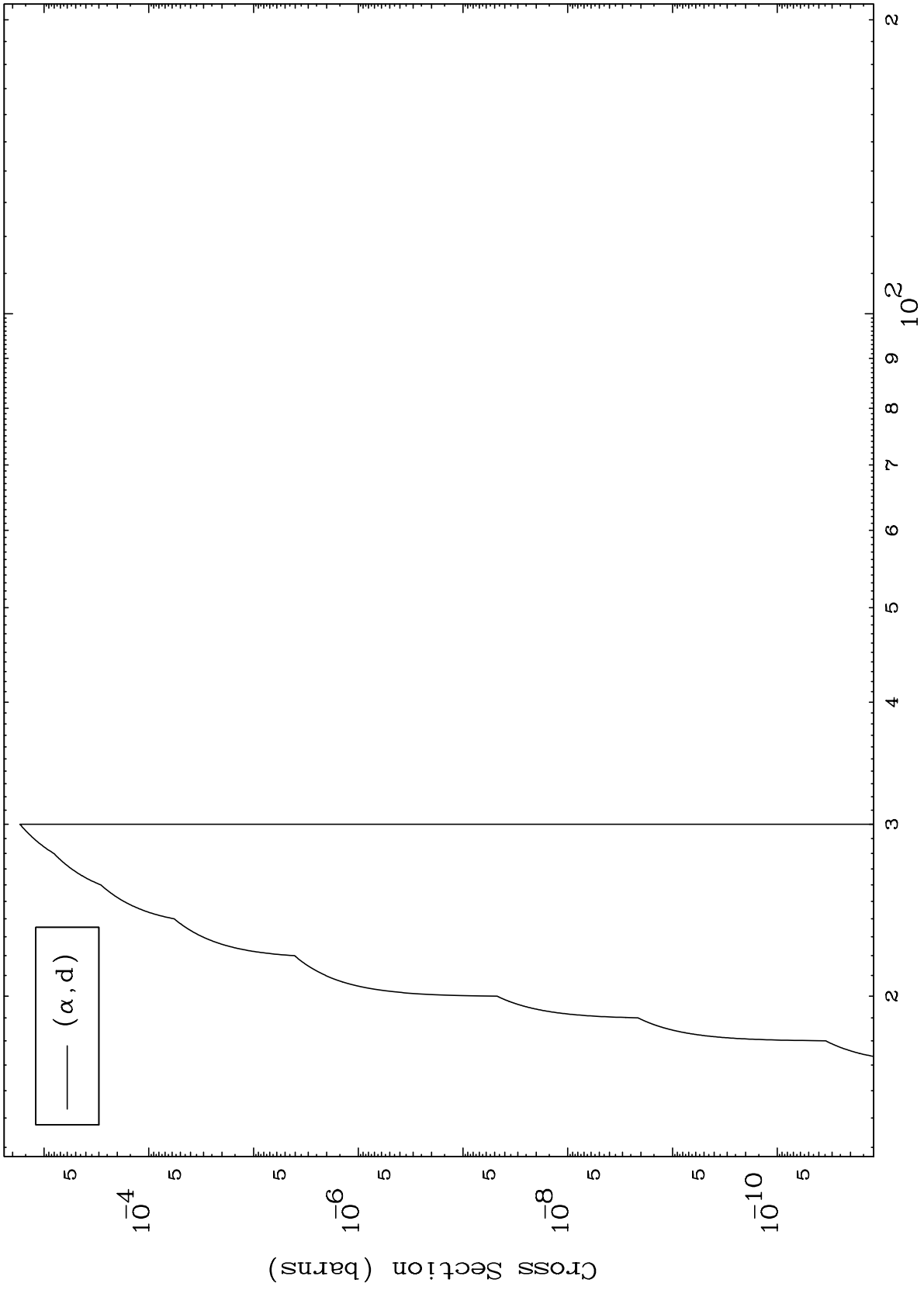
Incident Energy (MeV)

60-Nd-140

MAT 6019

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

60-Nd-140



7

Incident Energy (MeV)

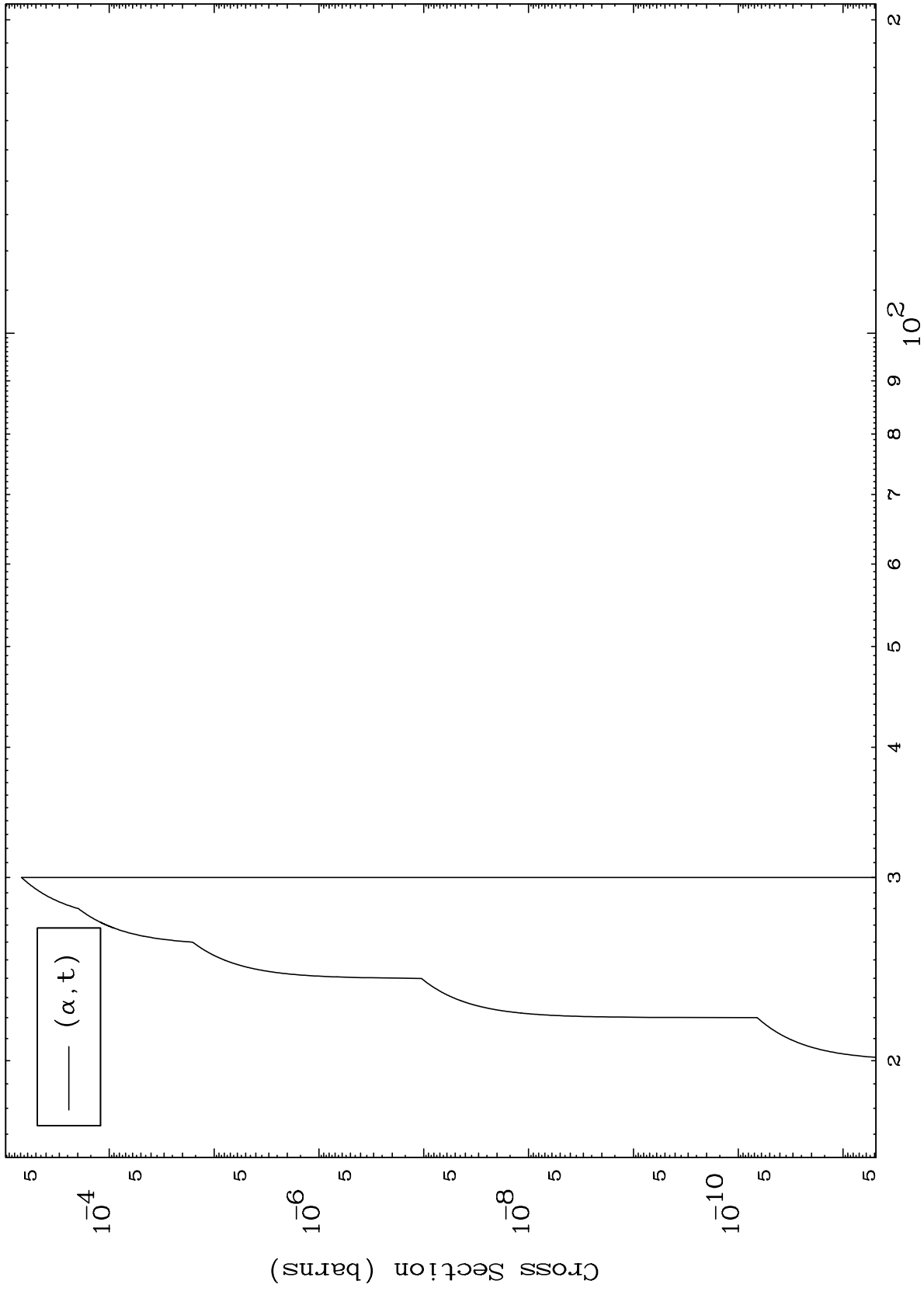
60-Nd-140

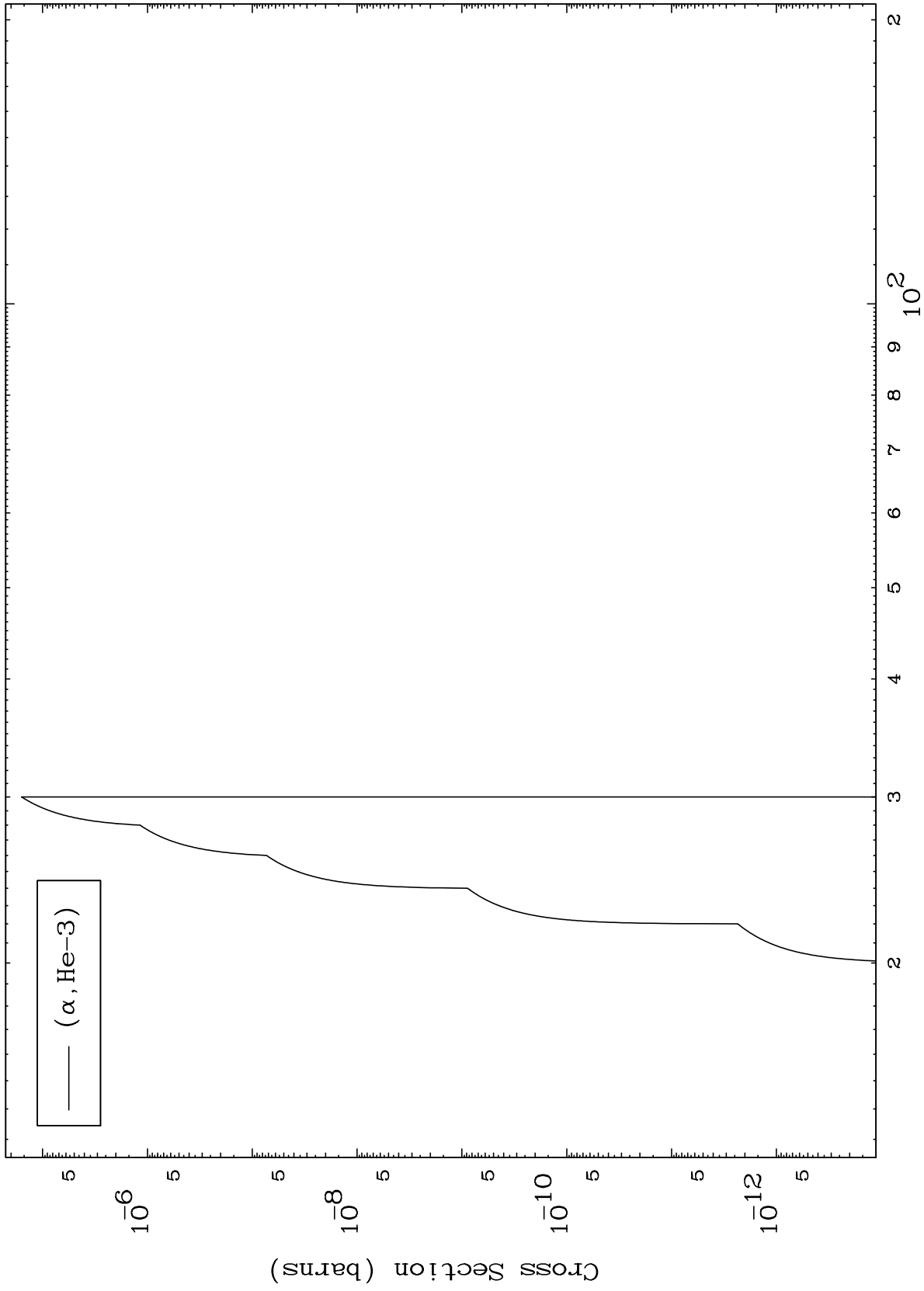


MAT 6019

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

60-Nd-140

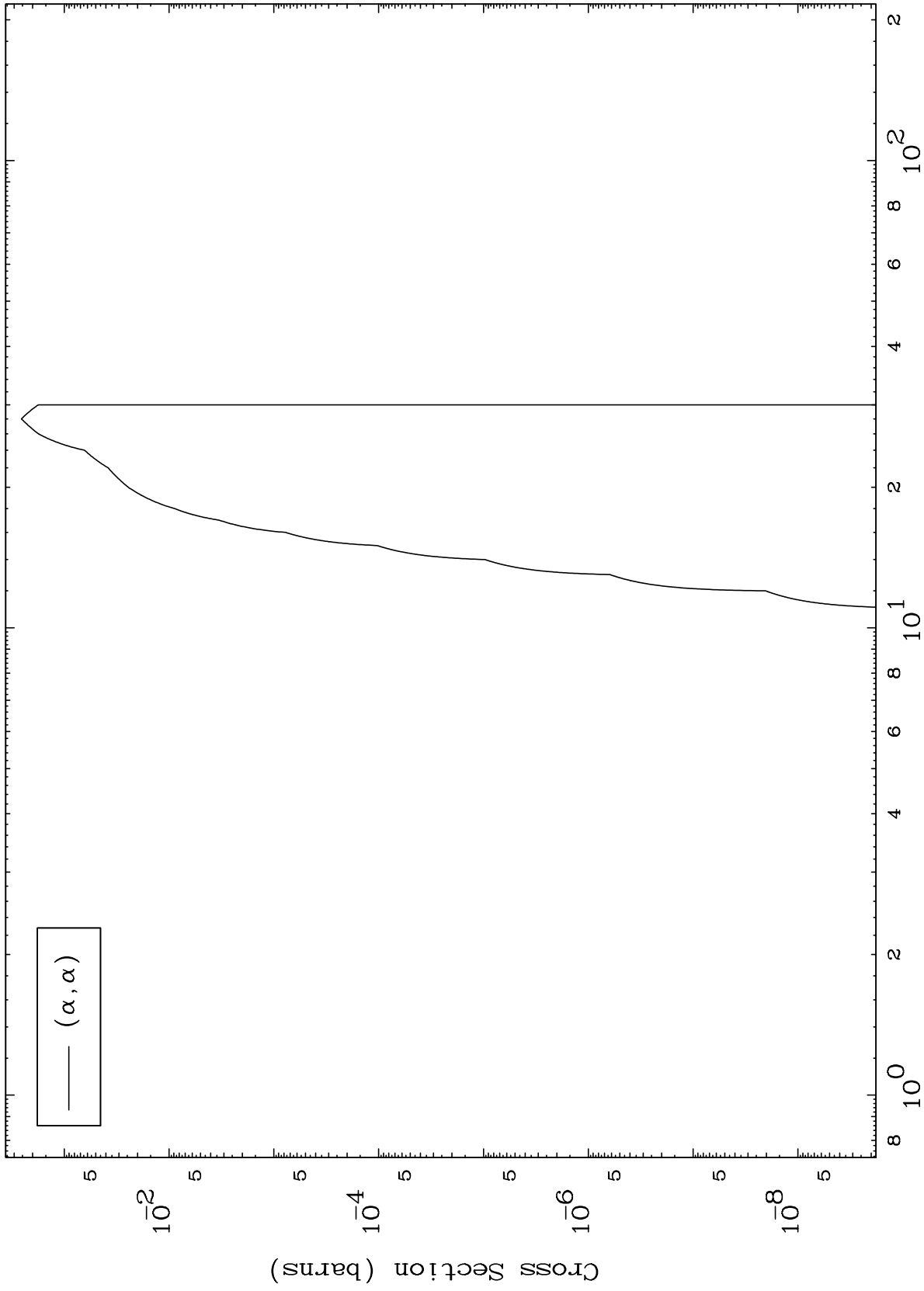




MAT 6019

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

60-Nd-140

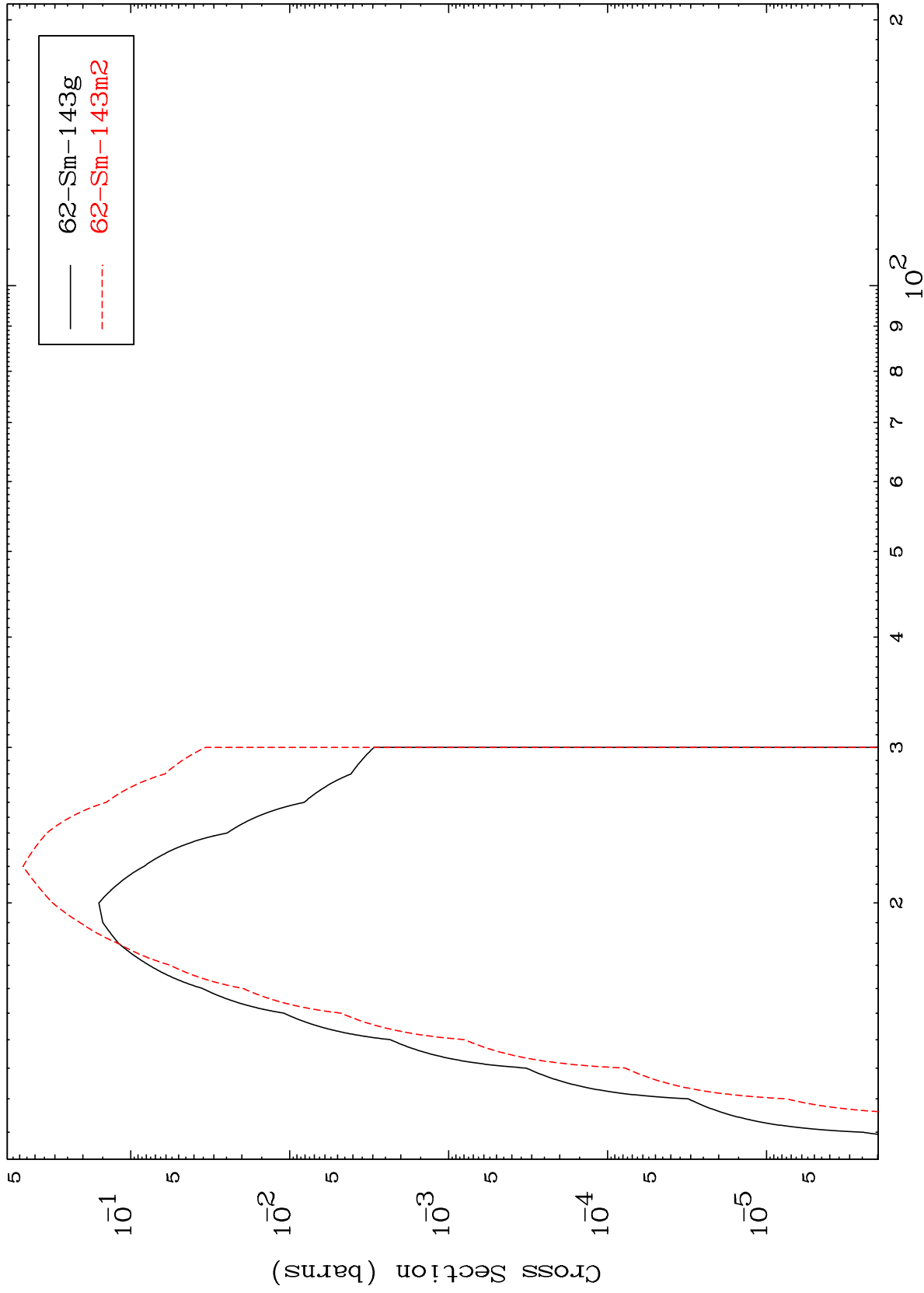


10

Incident Energy (MeV)

60-Nd-140

$\alpha$  Inelastic  
Radionuclide Production Cross Section

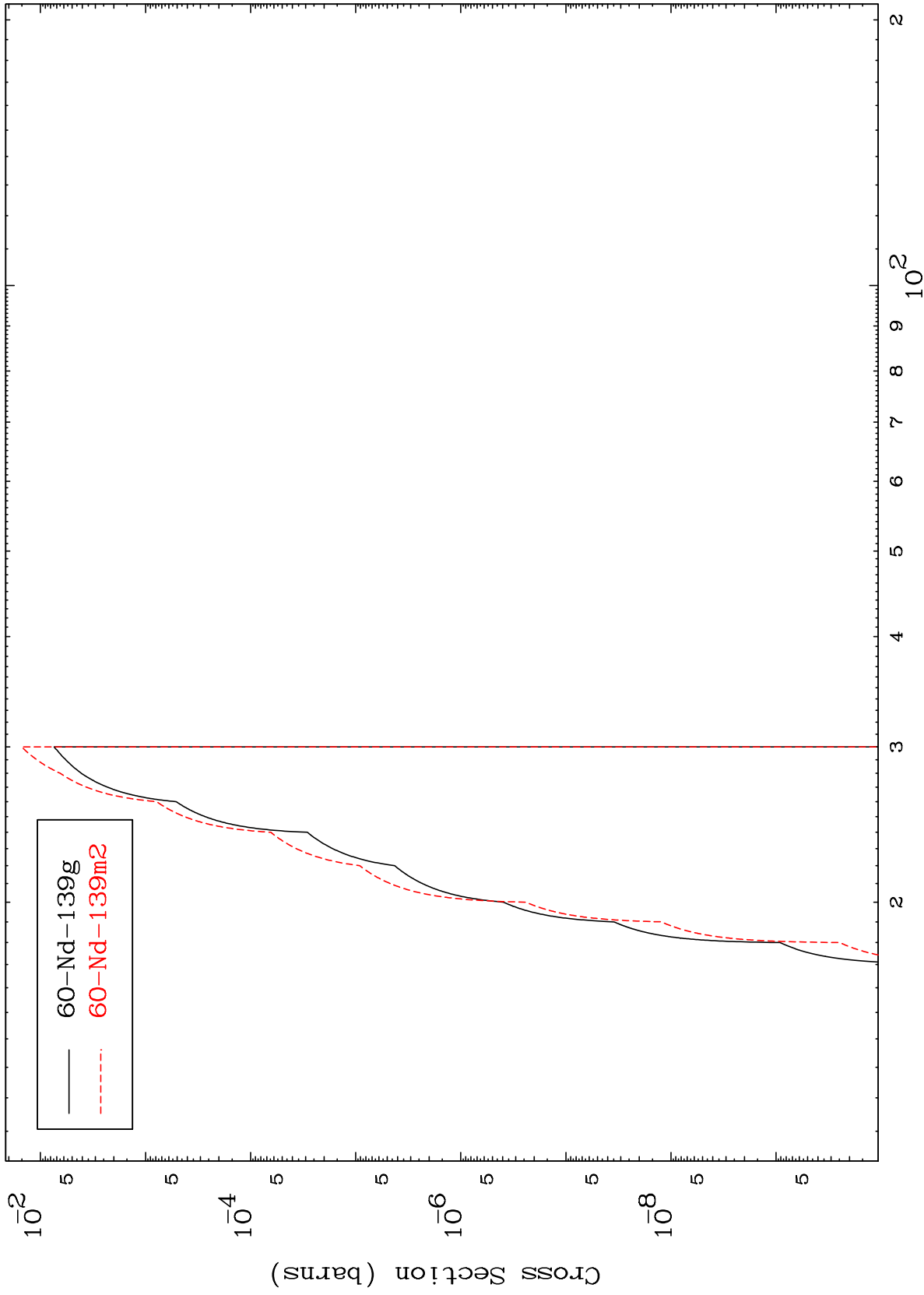


MAT 6019

$(\alpha, n')$   $\alpha$

$^{60}\text{Nd}-140$

Radionuclide Production Cross Section



60-Nd-139g  
60-Nd-139m2

12

Incident Energy (MeV)

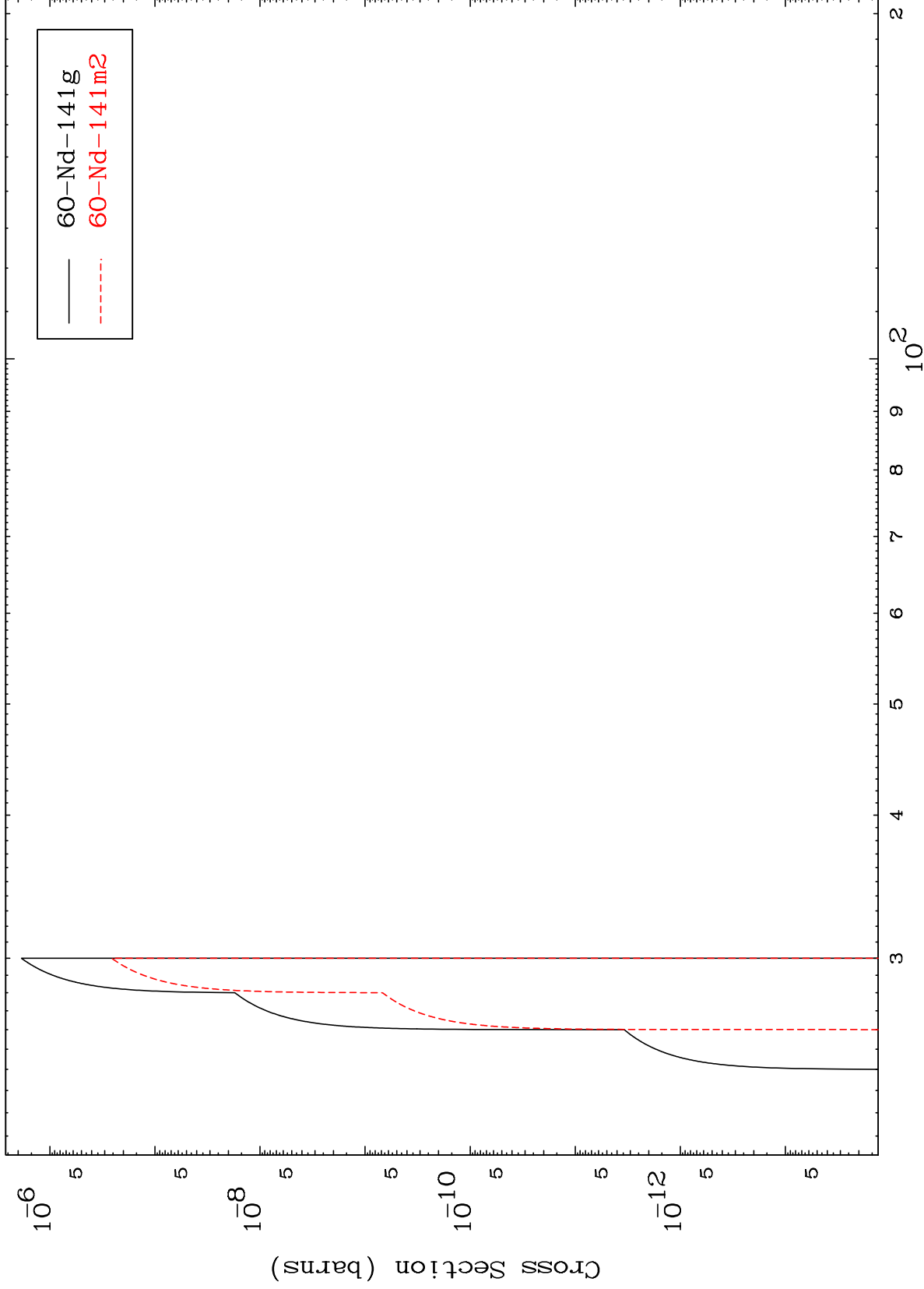
$^{60}\text{Nd}-140$

MAT 6019

$(\alpha, 2n)$  p

$^{60}\text{Nd}-140$

Radionuclide Production Cross Section



13

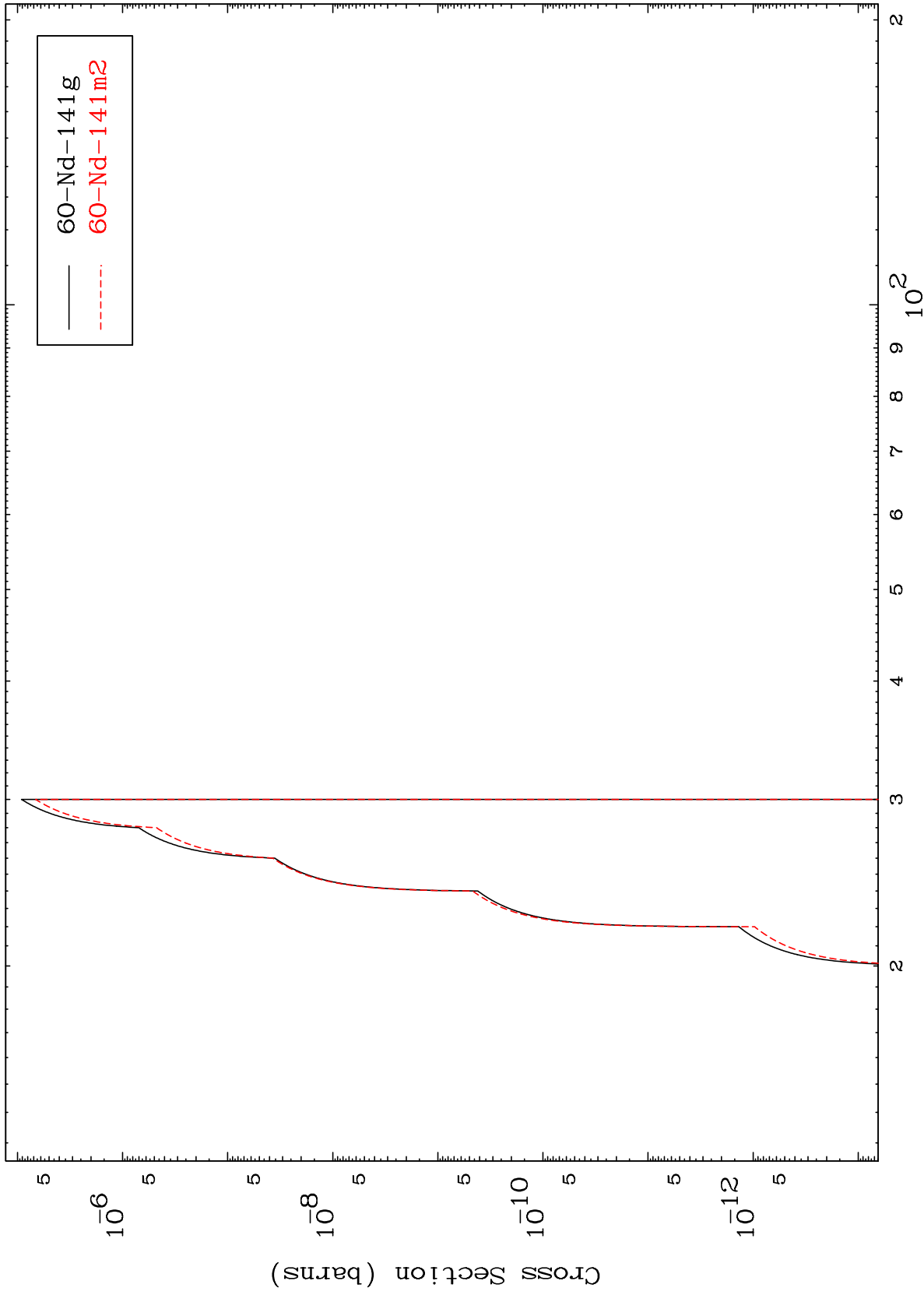
Incident Energy (MeV)

$^{60}\text{Nd}-140$

MAT 6019

$^{60}\text{Nd}-140$

$(\alpha, \text{He-3})$   
Radionuclide Production Cross Section



14

Incident Energy (MeV)

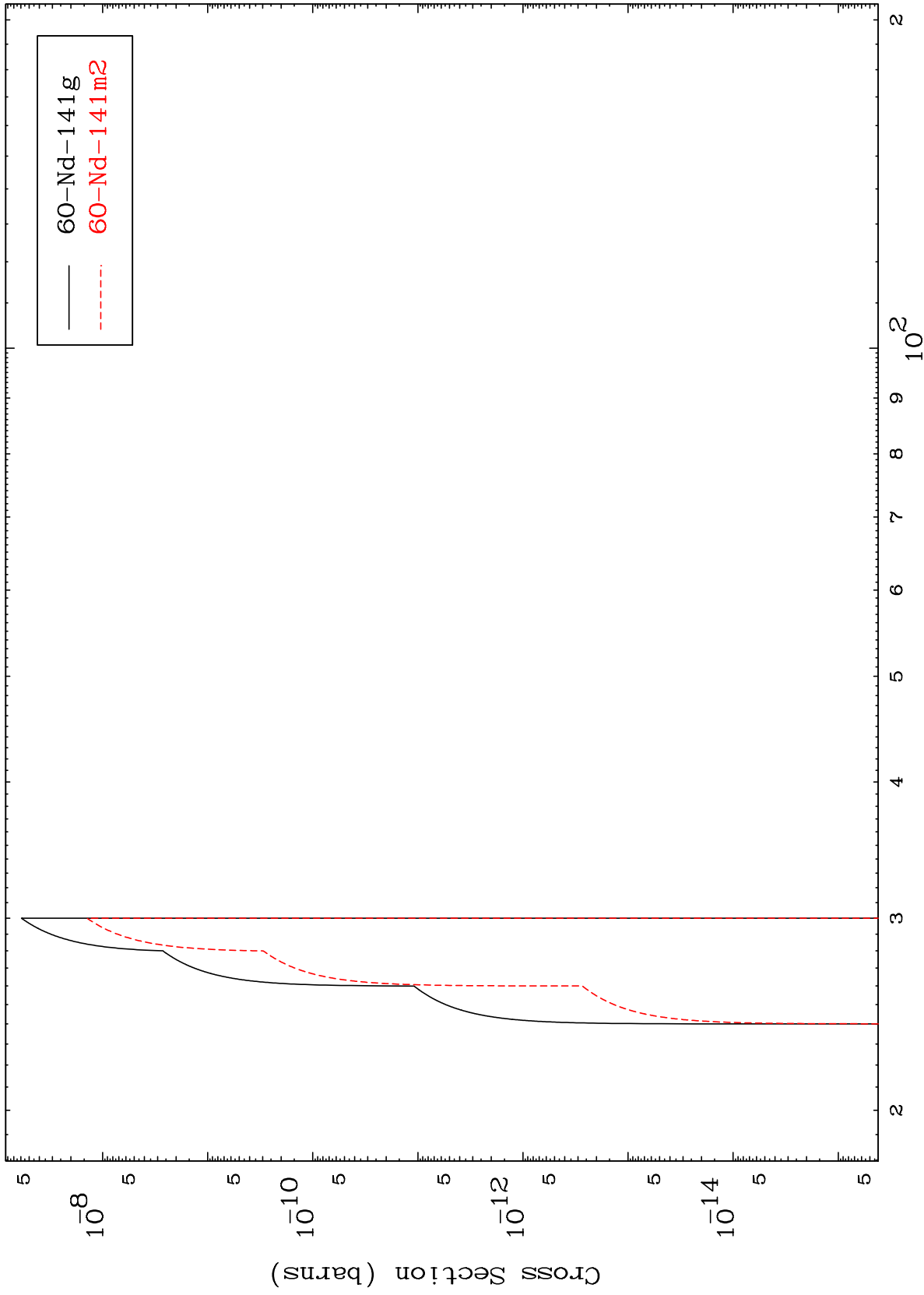
$^{60}\text{Nd}-140$

MAT 6019

( $\alpha, p$ ) d

$^{60}\text{Nd}-140$

Radionuclide Production Cross Section



15

Incident Energy (MeV)

$^{60}\text{Nd}-140$