

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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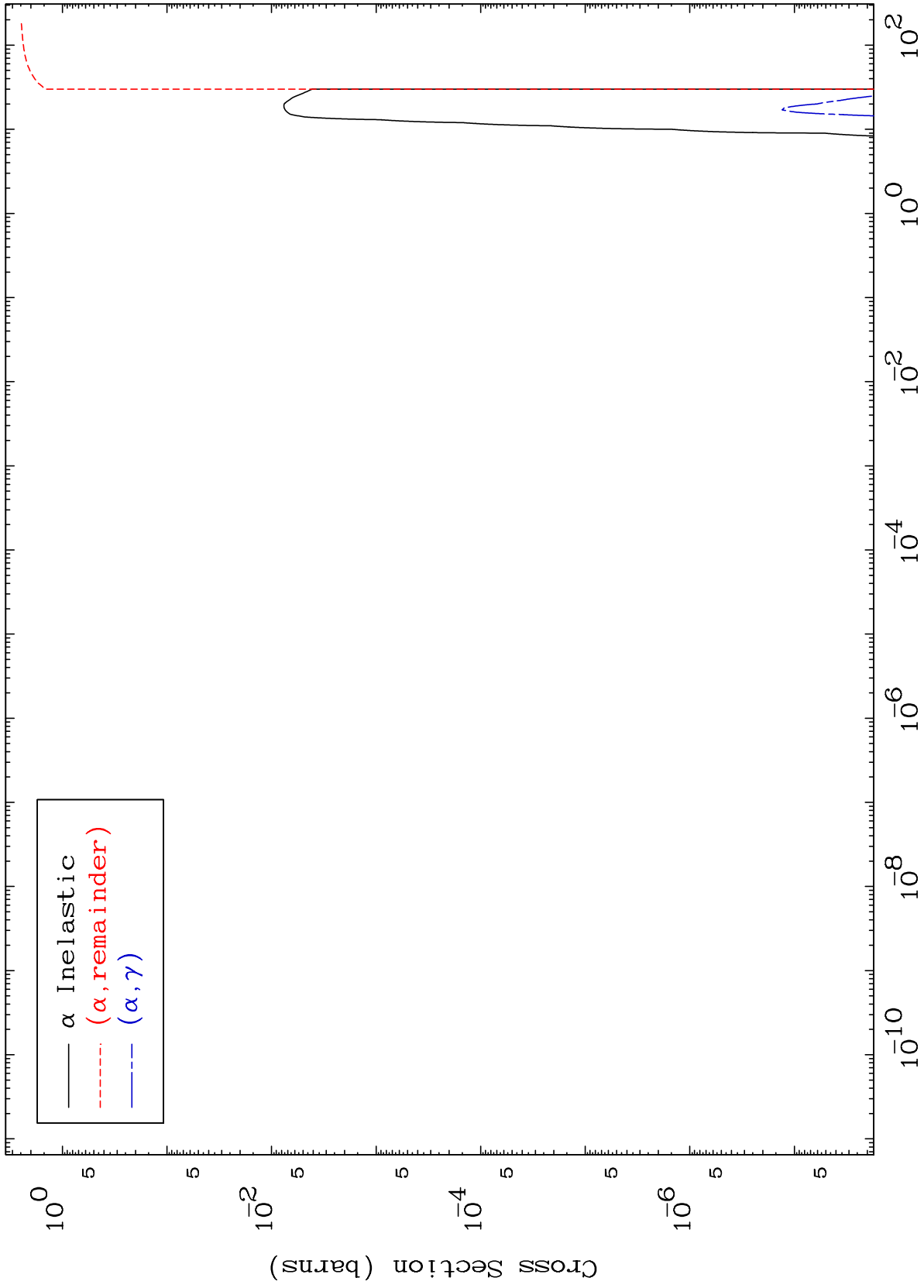
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6058

0 Kelvin  $\alpha$  Major  
Cross Sections

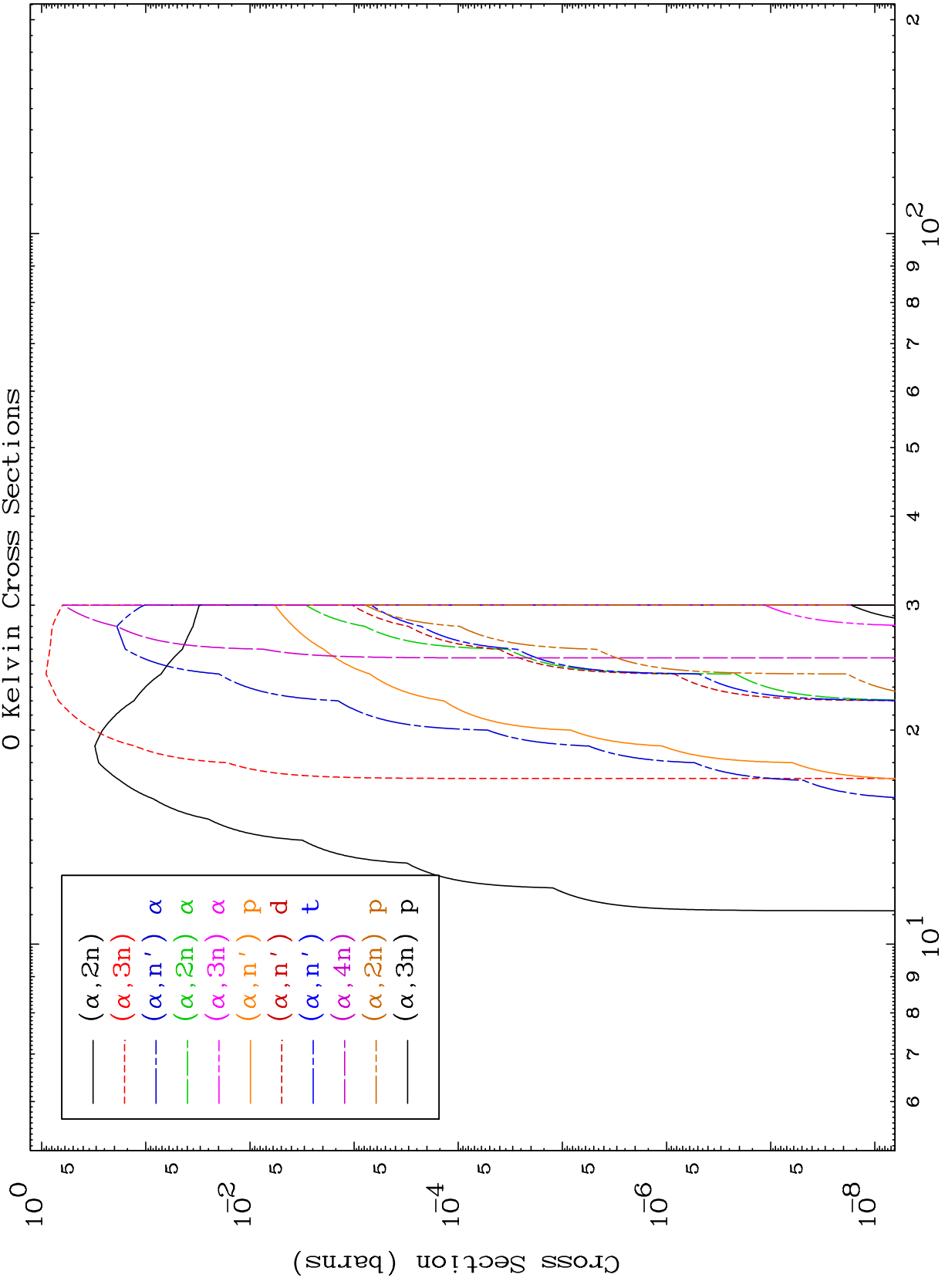
60-Nd-153



MAT 6058

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

60-Nd-153



2

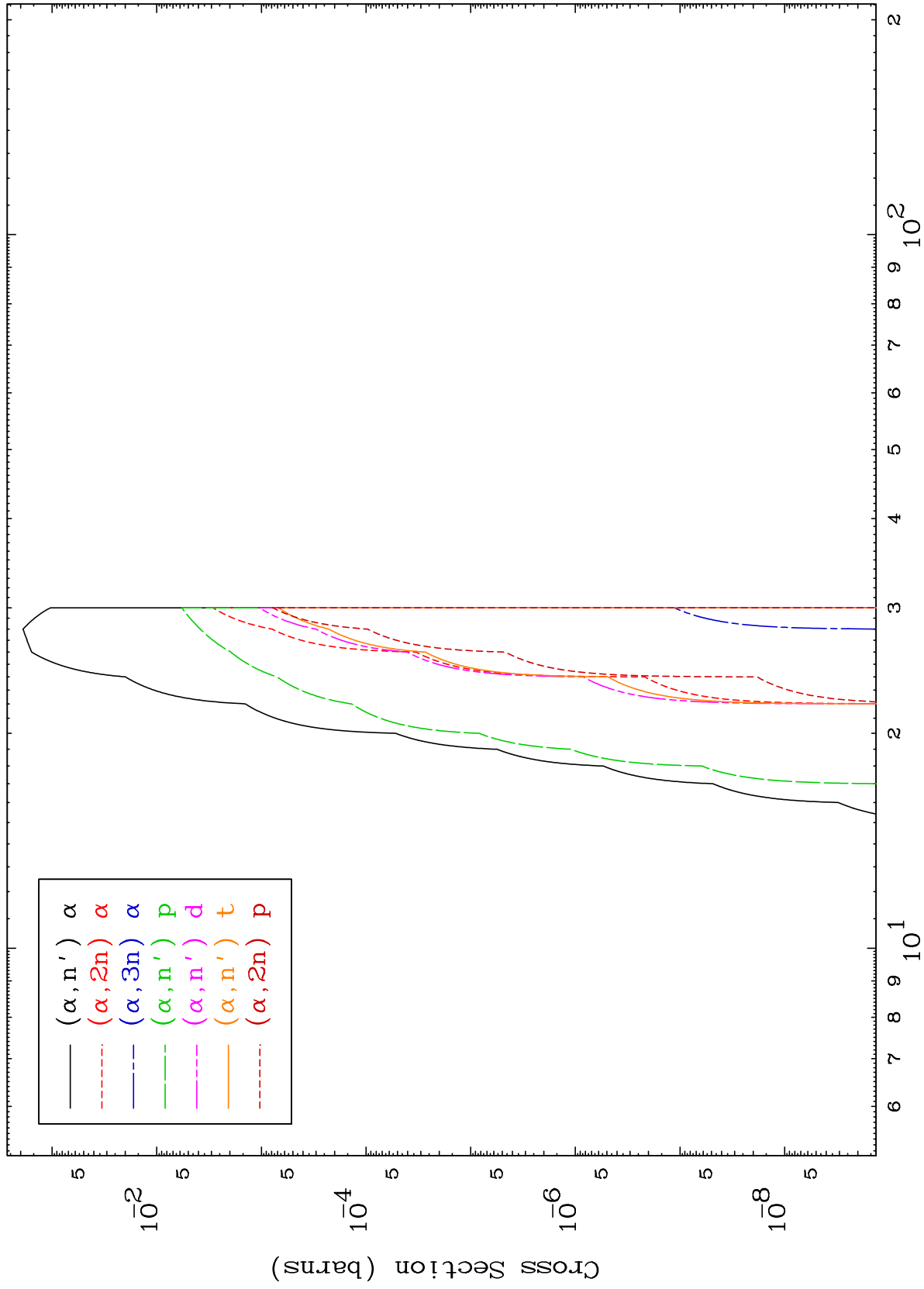
Incident Energy (MeV)

60-Nd-153

MAT 6058

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

60-Nd-153



3

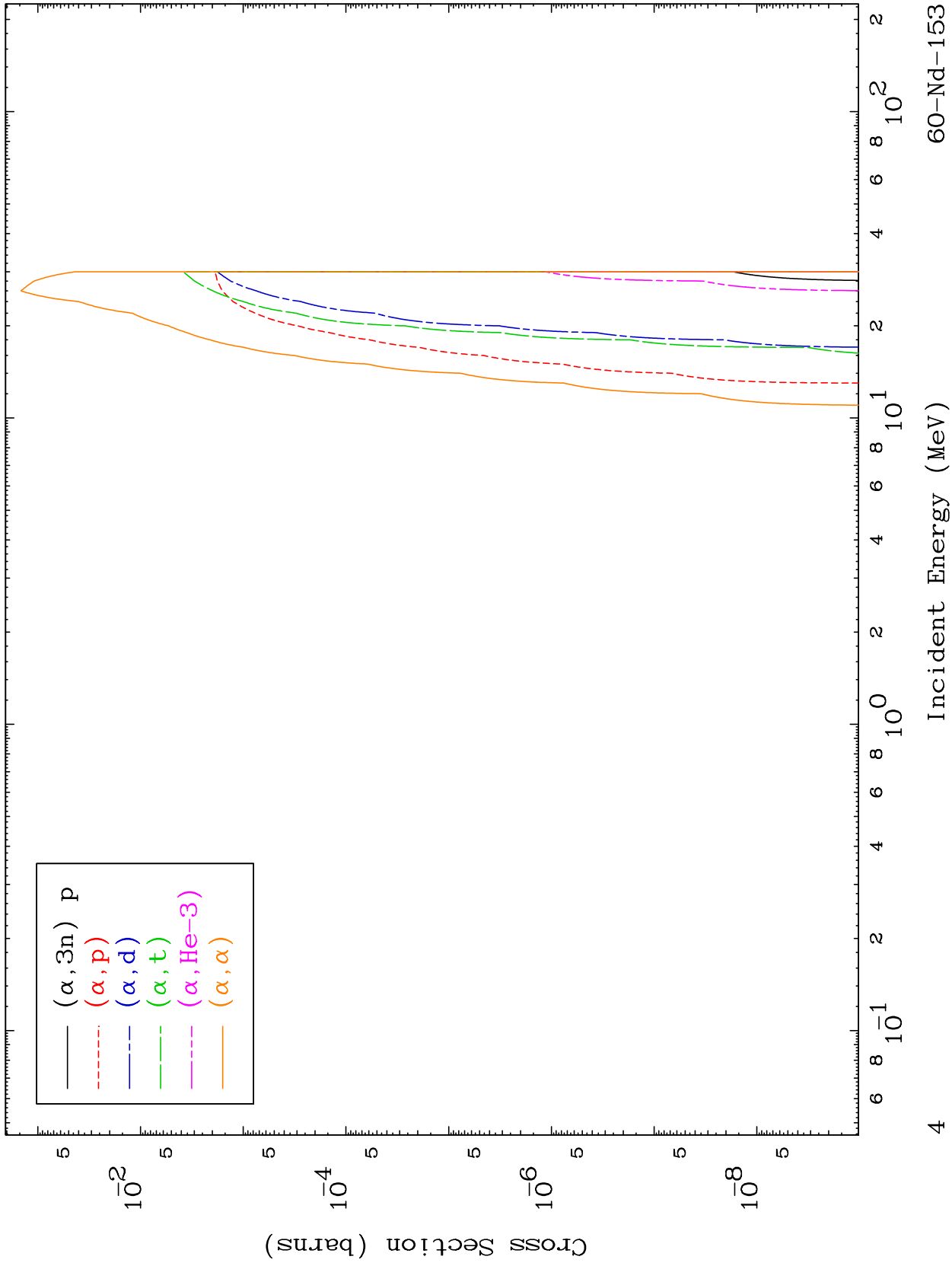
Incident Energy (MeV)

60-Nd-153

MAT 6058

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

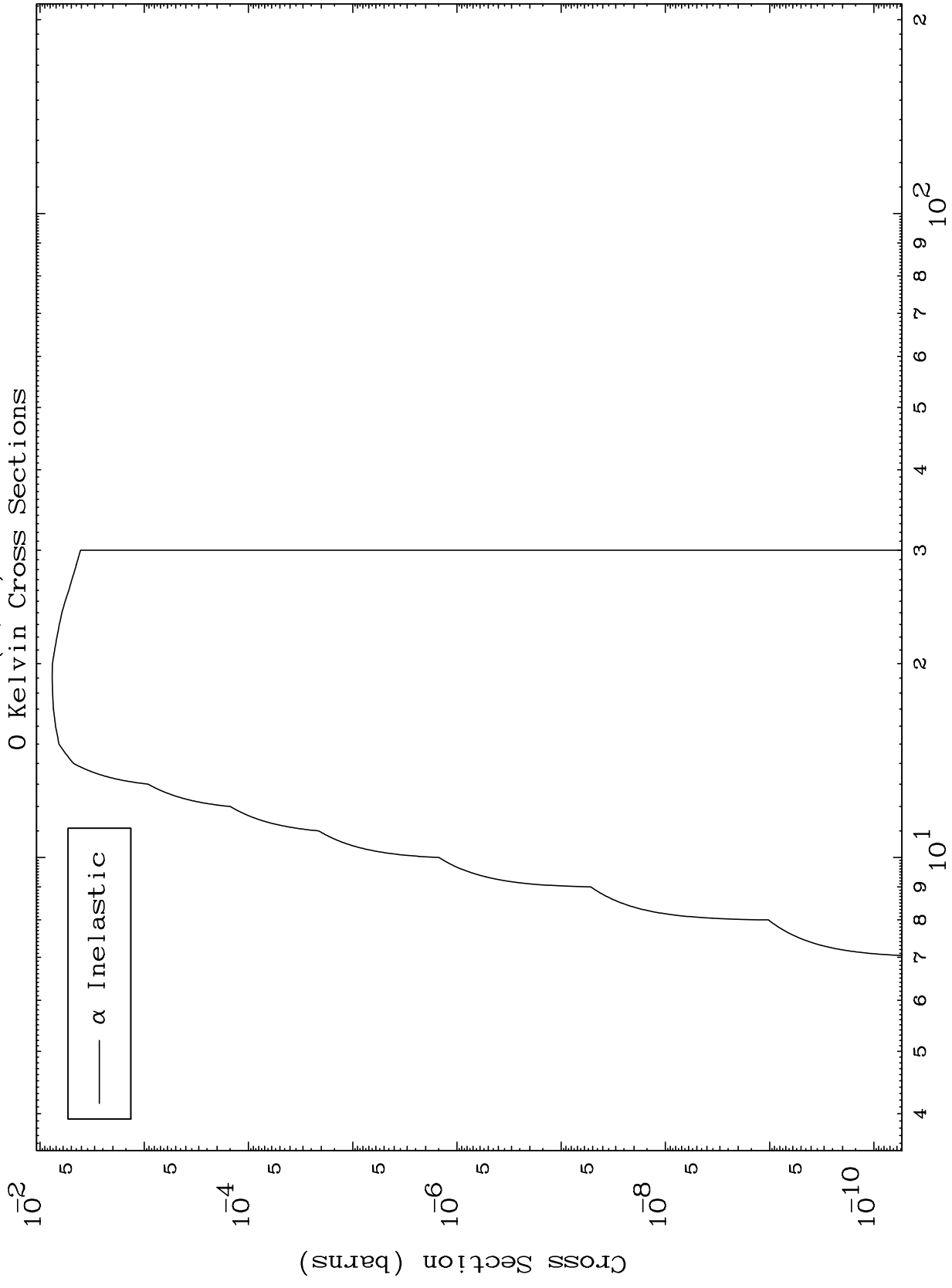
60-Nd-153



MAT 6058

60-Nd-153

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



5

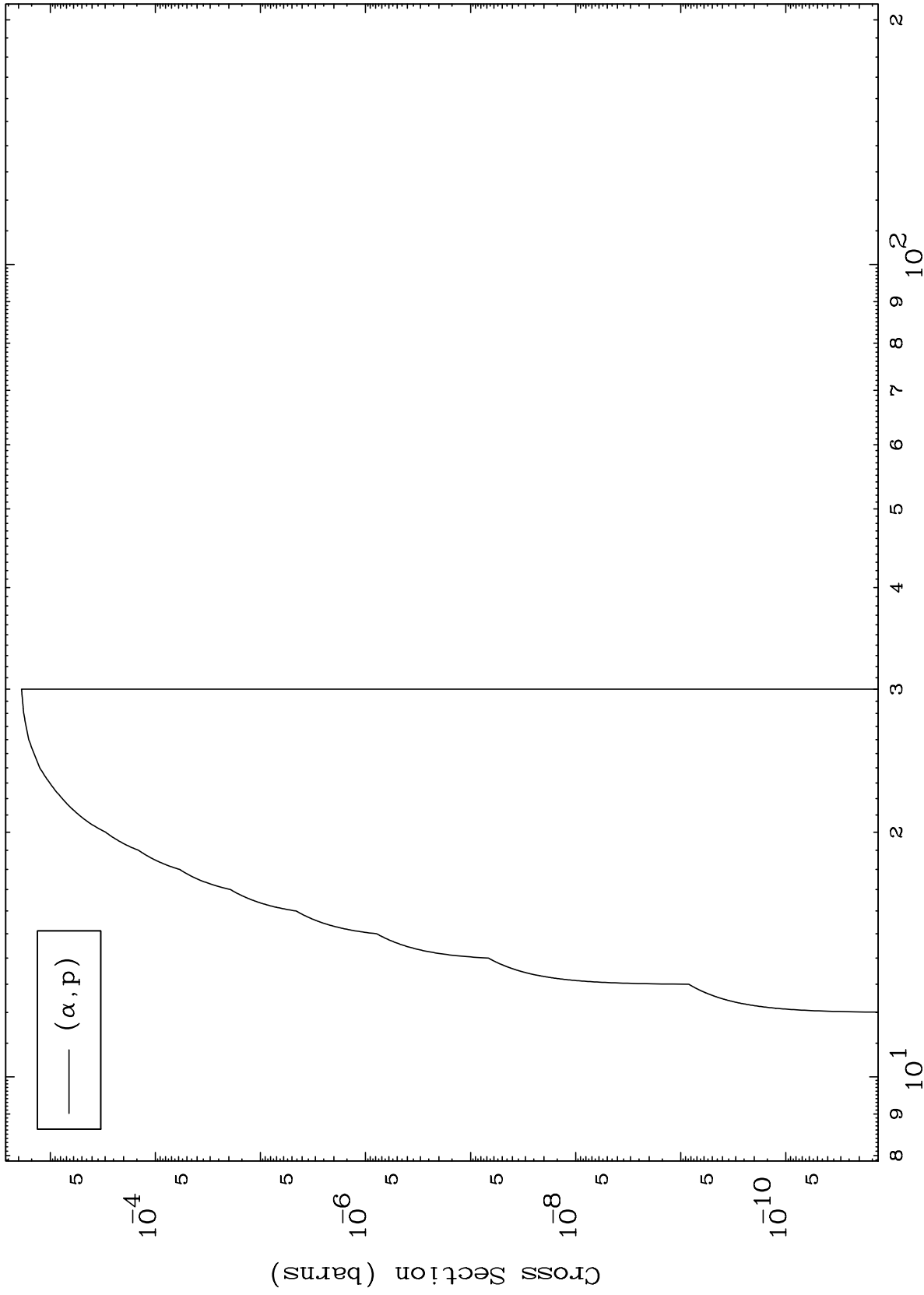
Incident Energy (MeV)

60-Nd-153

MAT 6058

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

60-Nd-153



6

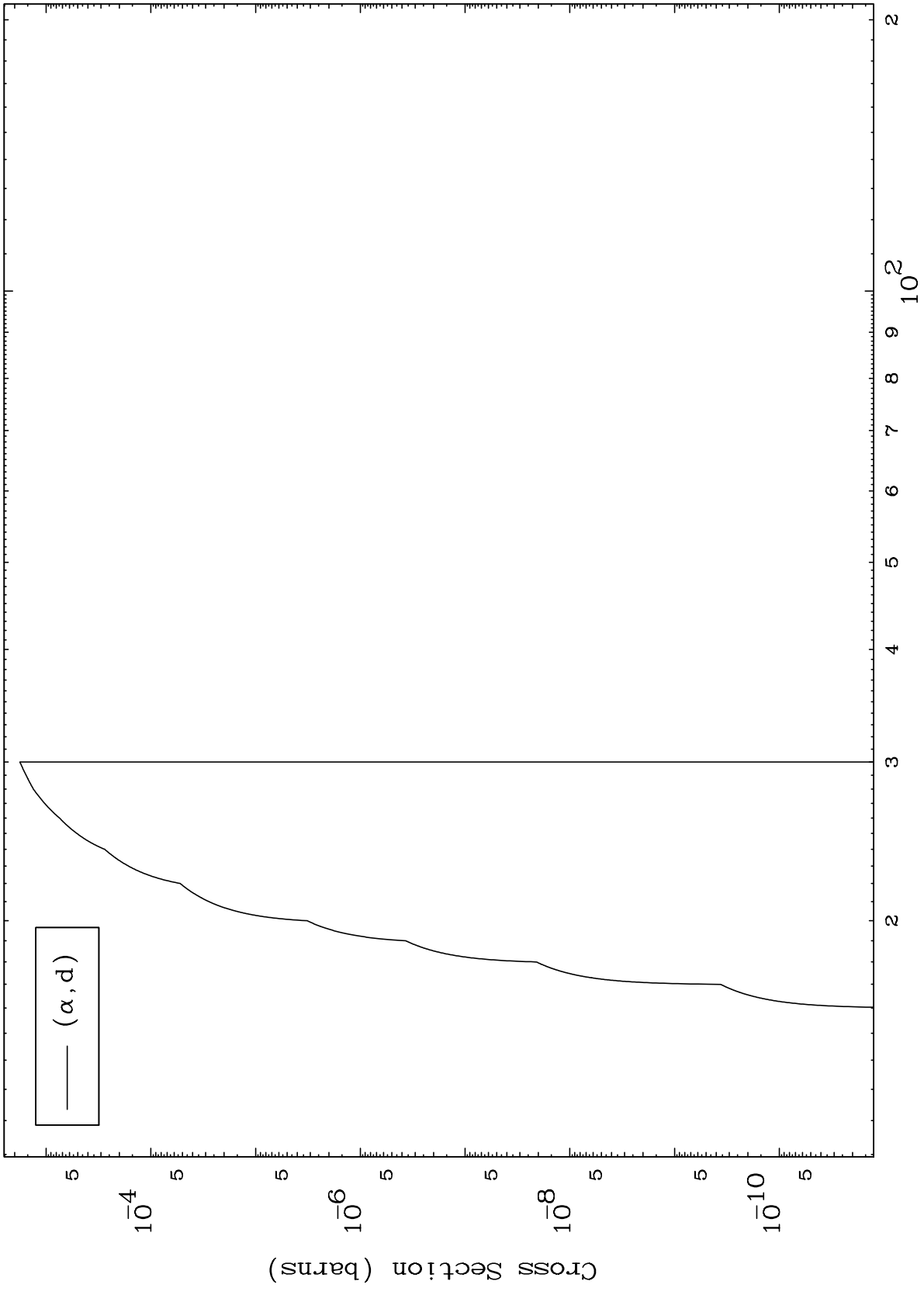
Incident Energy (MeV)

60-Nd-153

MAT 6058

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

60-Nd-153



7

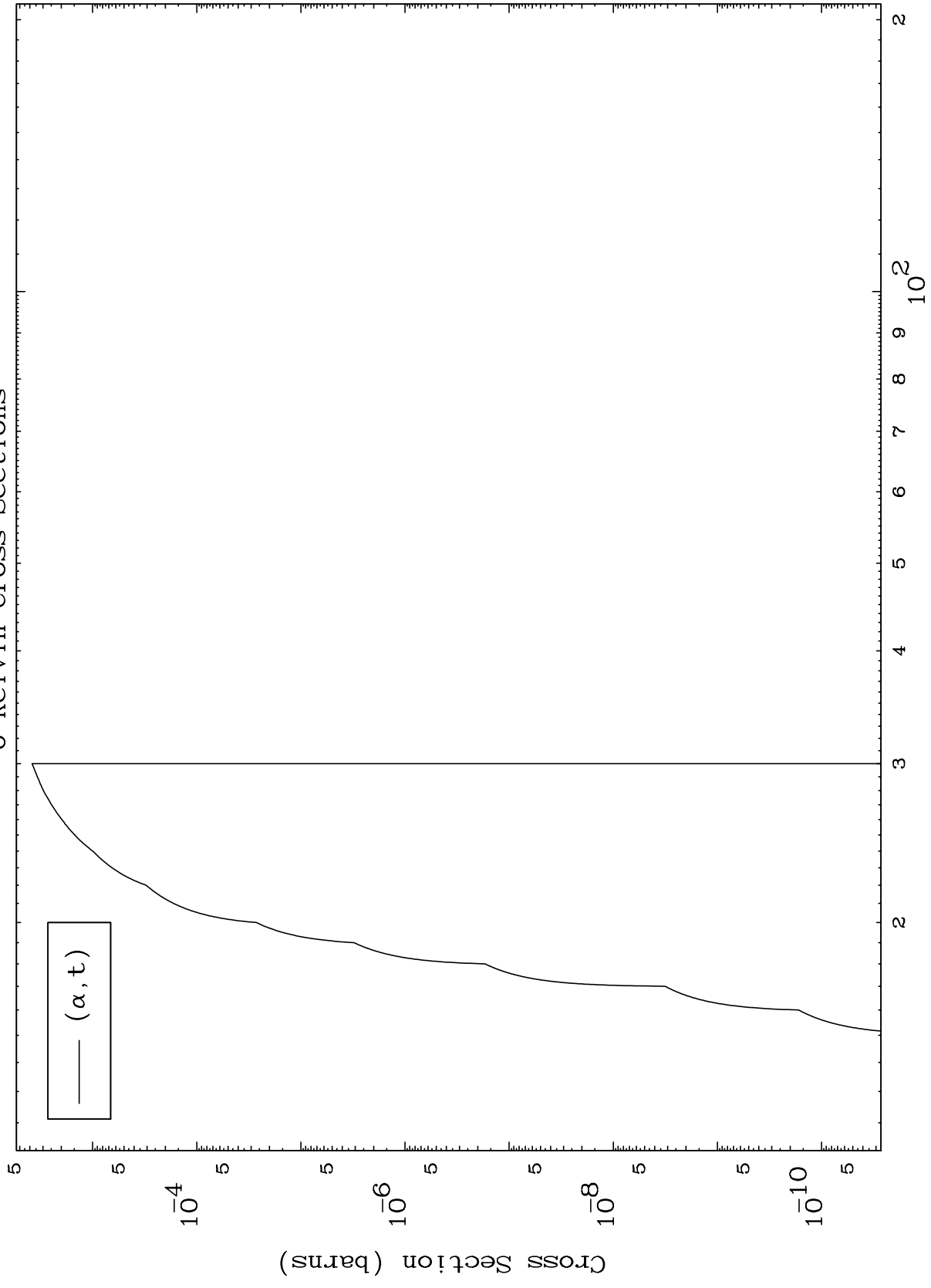
Incident Energy (MeV)

60-Nd-153

MAT 6058

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

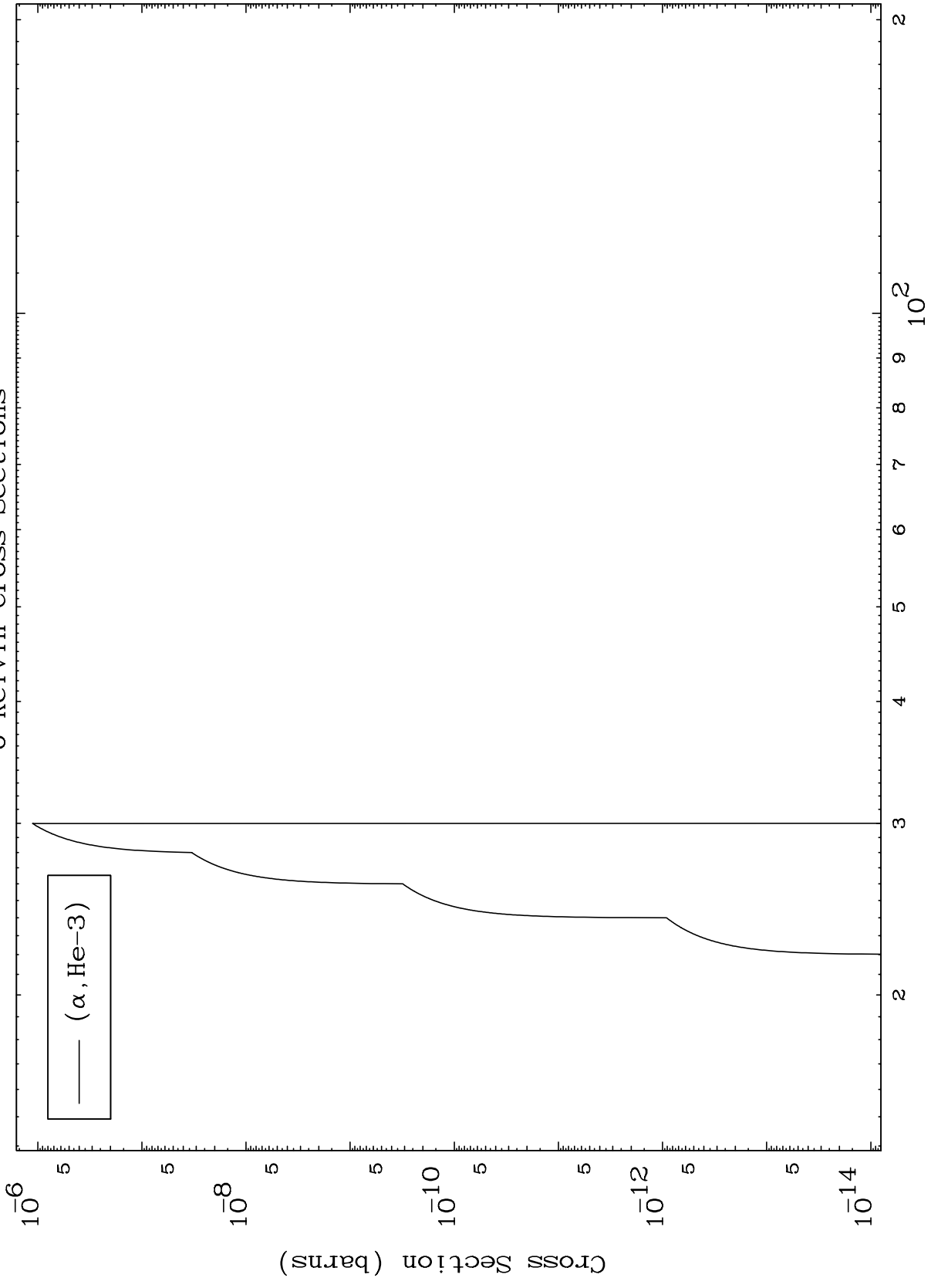
60-Nd-153



8

Incident Energy (MeV)

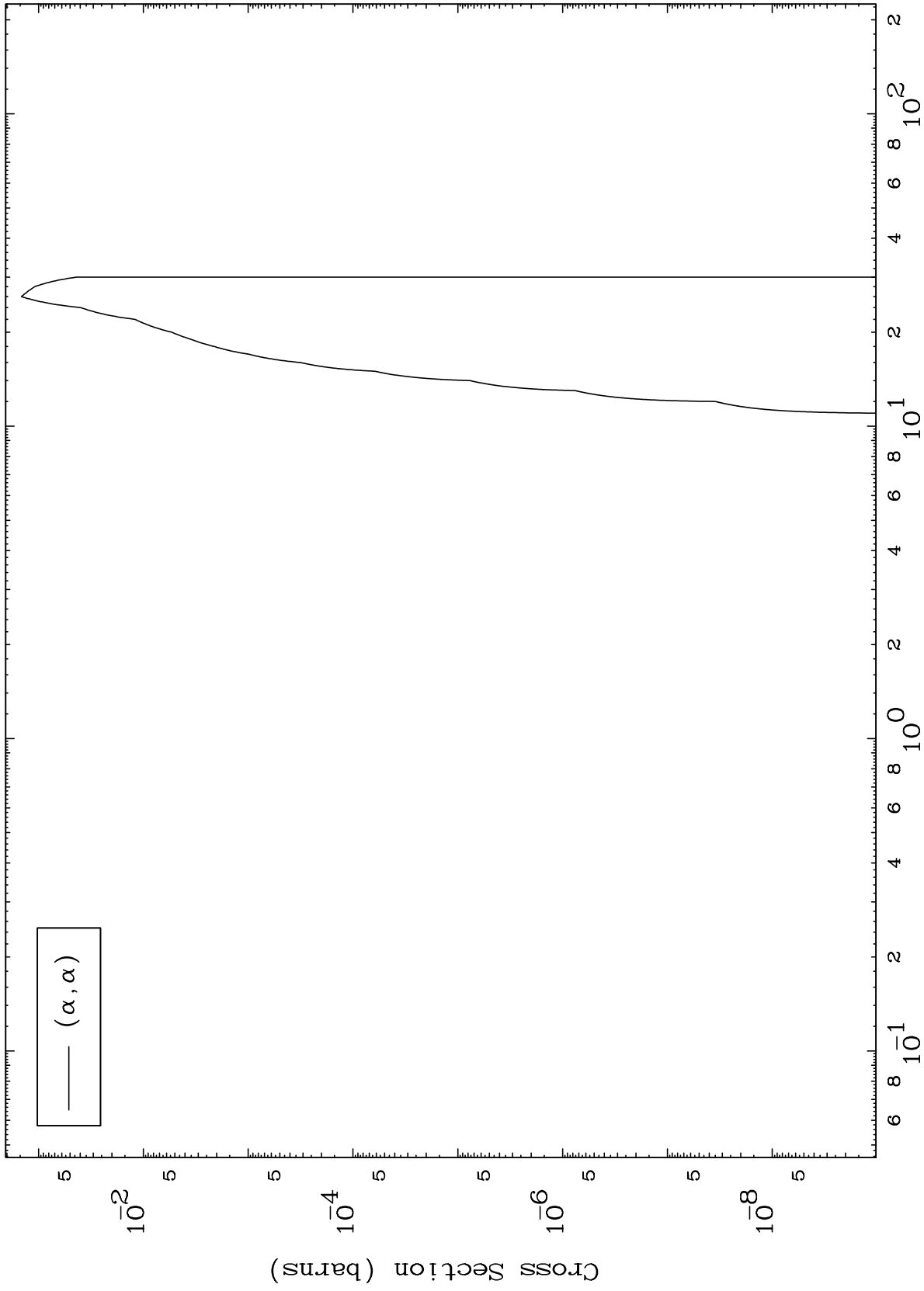
60-Nd-153



MAT 6058

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

60-Nd-153



10

Incident Energy (MeV)

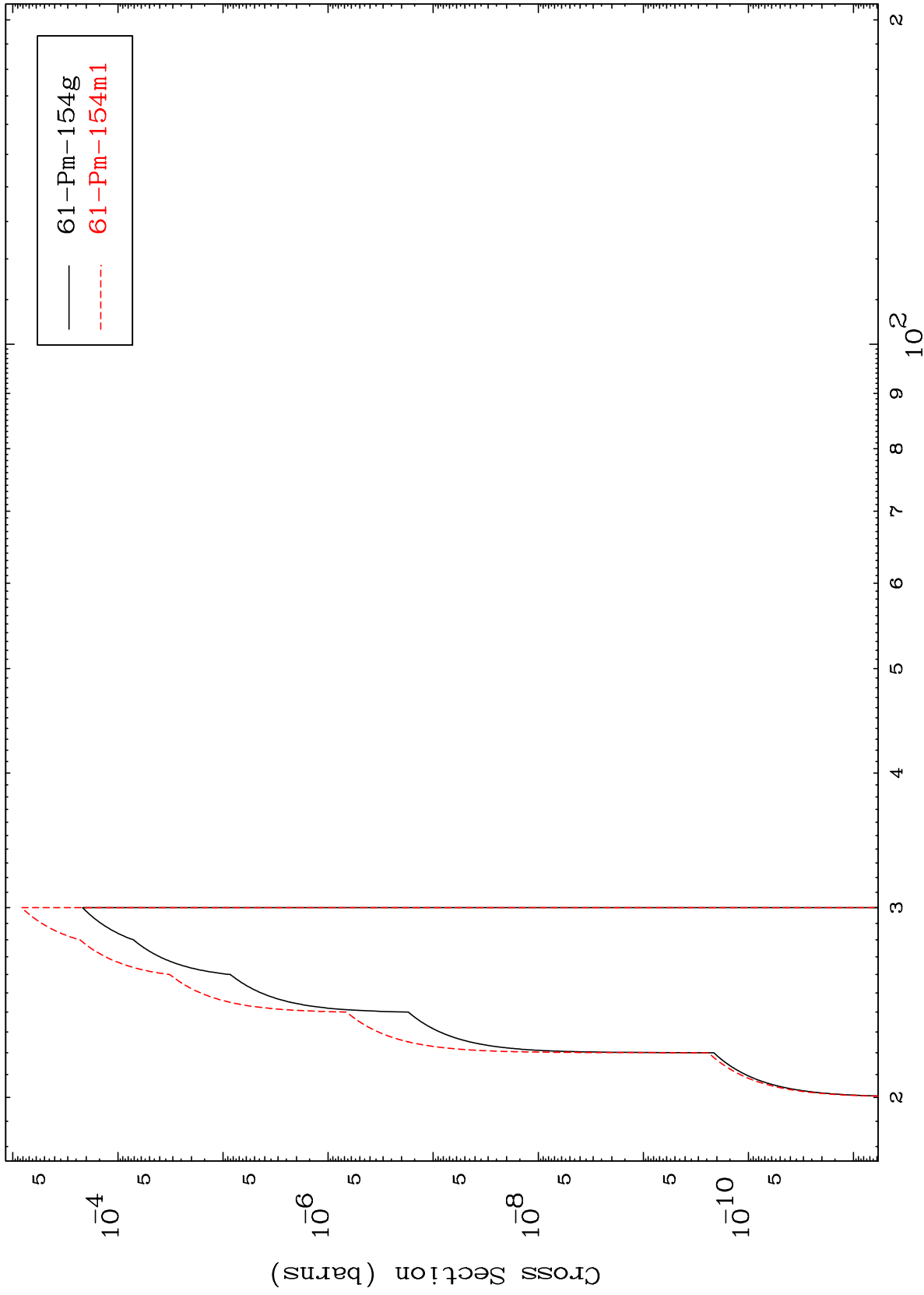
60-Nd-153

MAT 6058

( $\alpha, n'$ ) d

$^{60}\text{Nd}-^{153}$

Radionuclide Production Cross Section



11

Incident Energy (MeV)

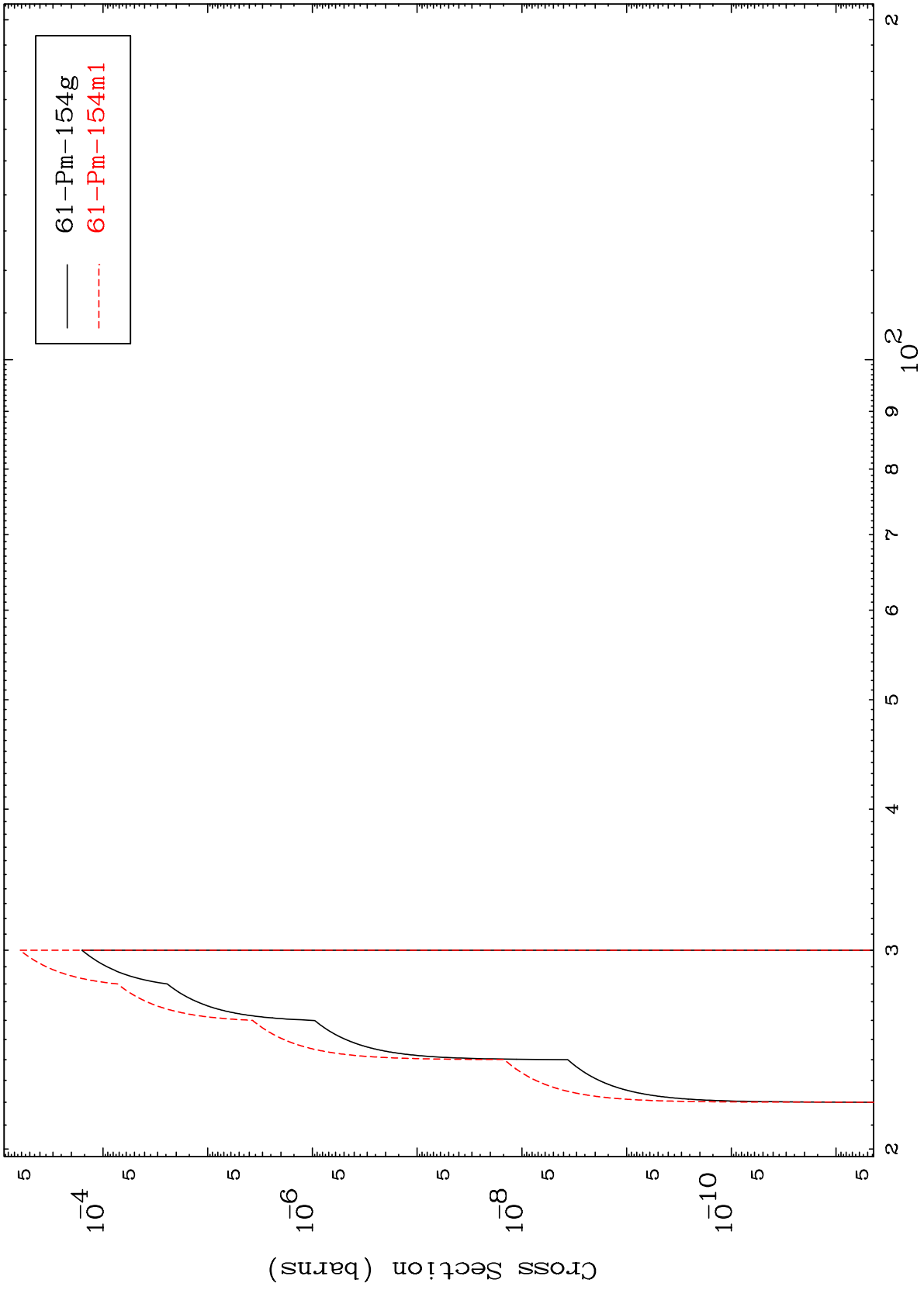
$^{60}\text{Nd}-^{153}$

MAT 6058

( $\alpha, 2n$ ) p

$^{60}\text{Nd}-153$

Radionuclide Production Cross Section



12

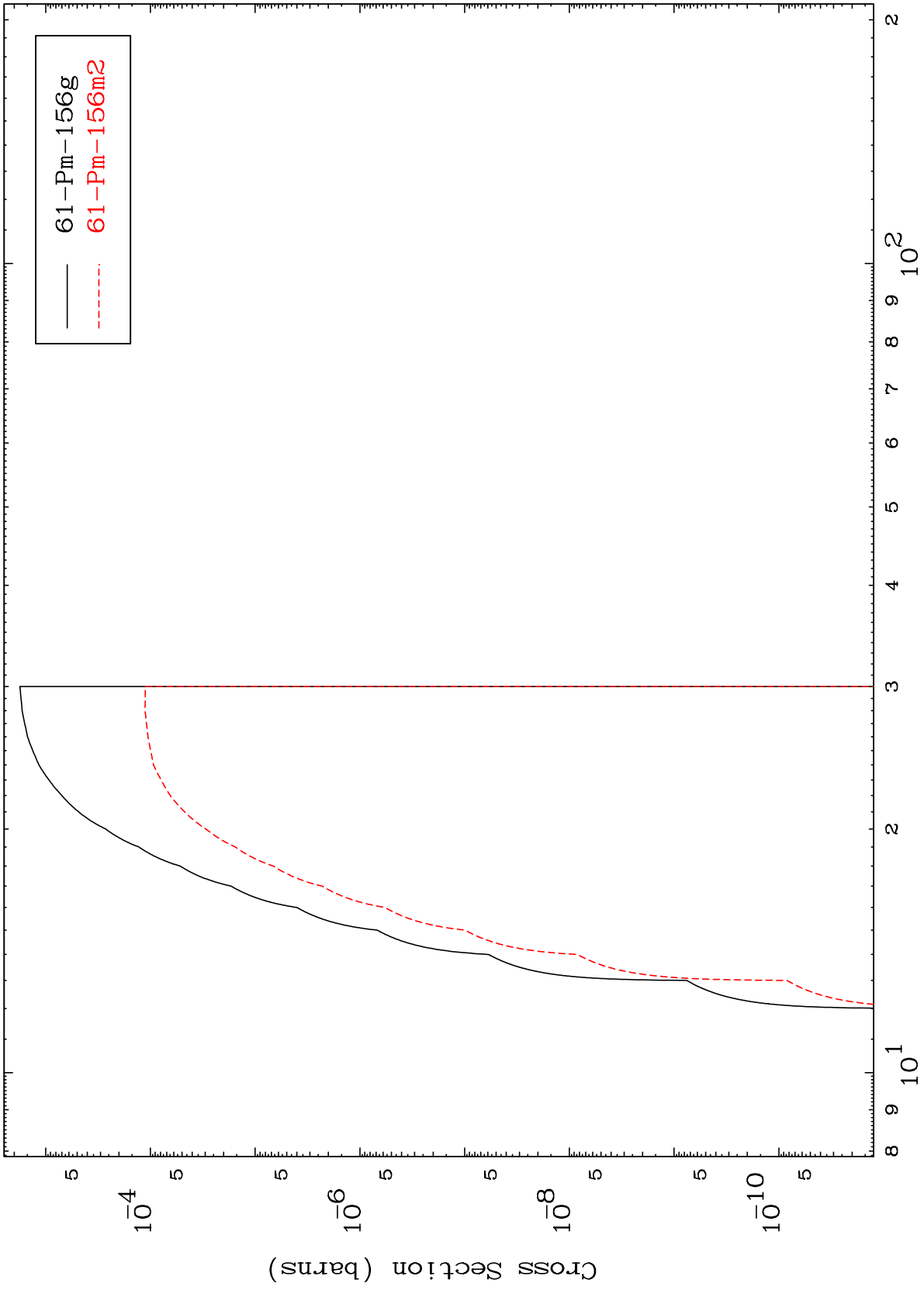
Incident Energy (MeV)

$^{60}\text{Nd}-153$

MAT 6058

60-Nd-153

( $\alpha, p$ )  
Radionuclide Production Cross Section



13

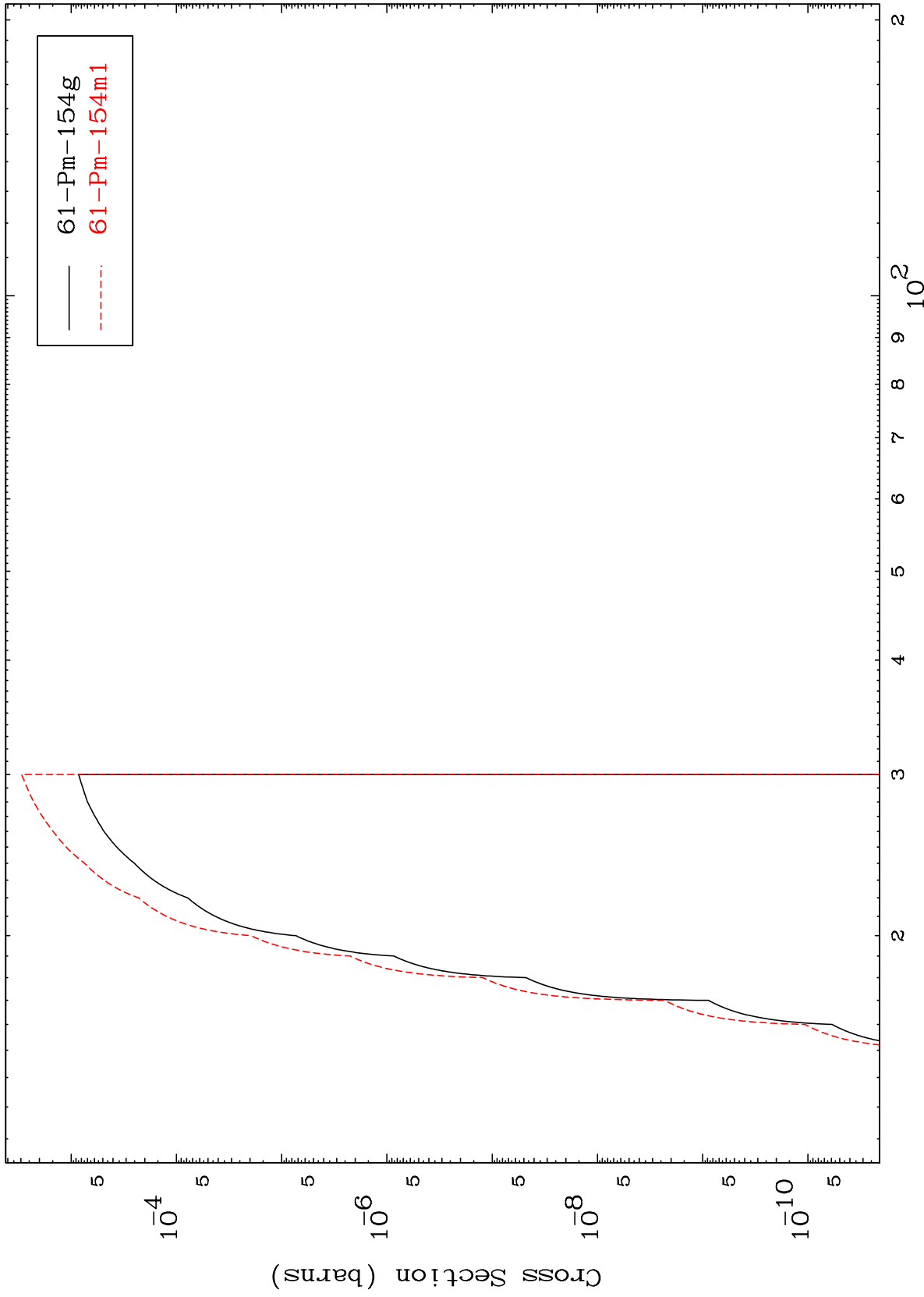
Incident Energy (MeV)

60-Nd-153

MAT 6058

60-Nd-153

( $\alpha, t$ )  
Radionuclide Production Cross Section



14

Incident Energy (MeV)

60-Nd-153