

Program EVALPLOT  
(Version 2021-1)

by

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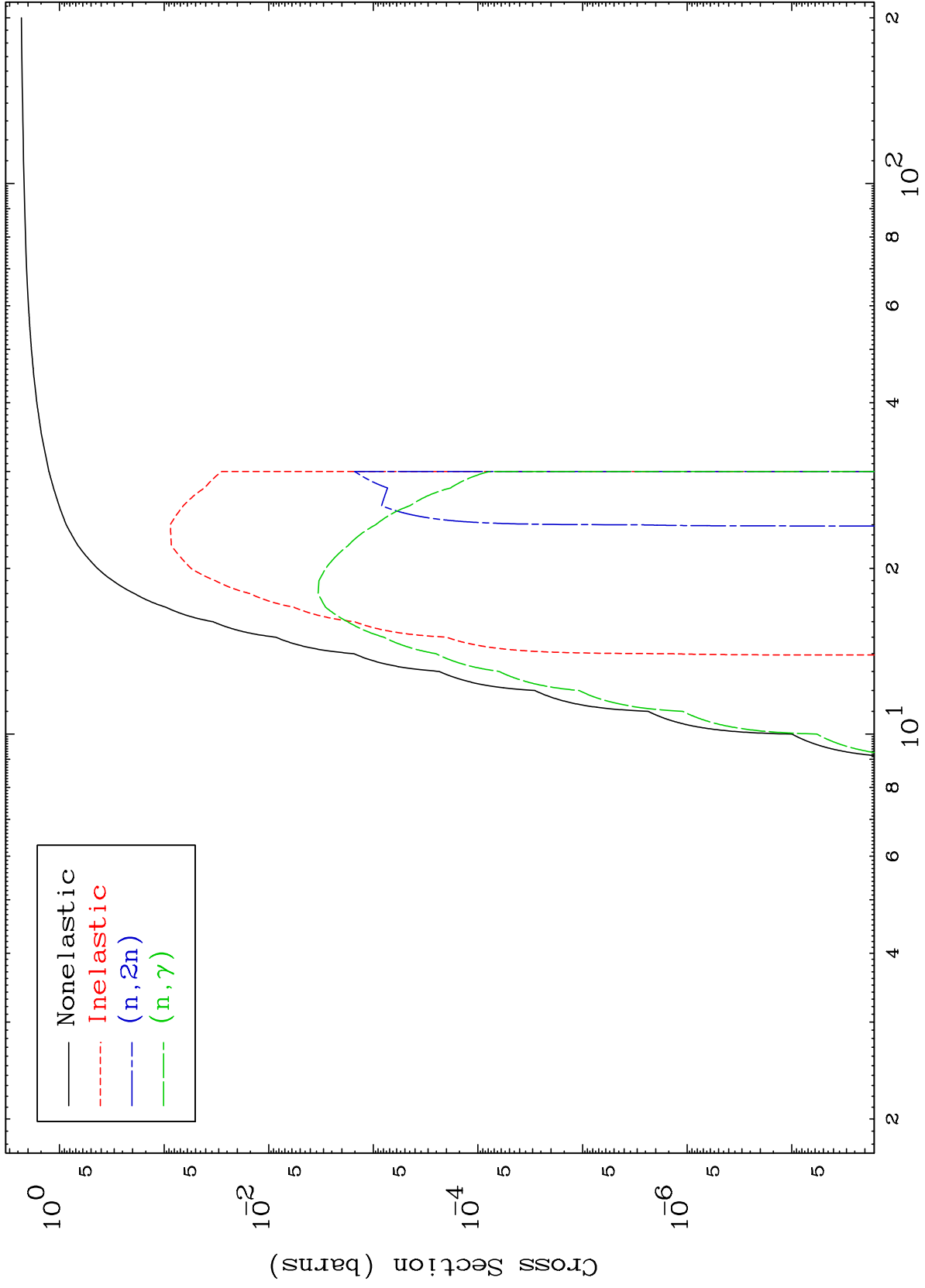
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6114

0 Kelvin Major  
 $\alpha$  Major Cross Sections

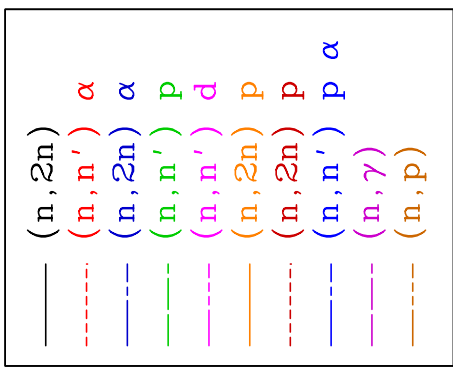
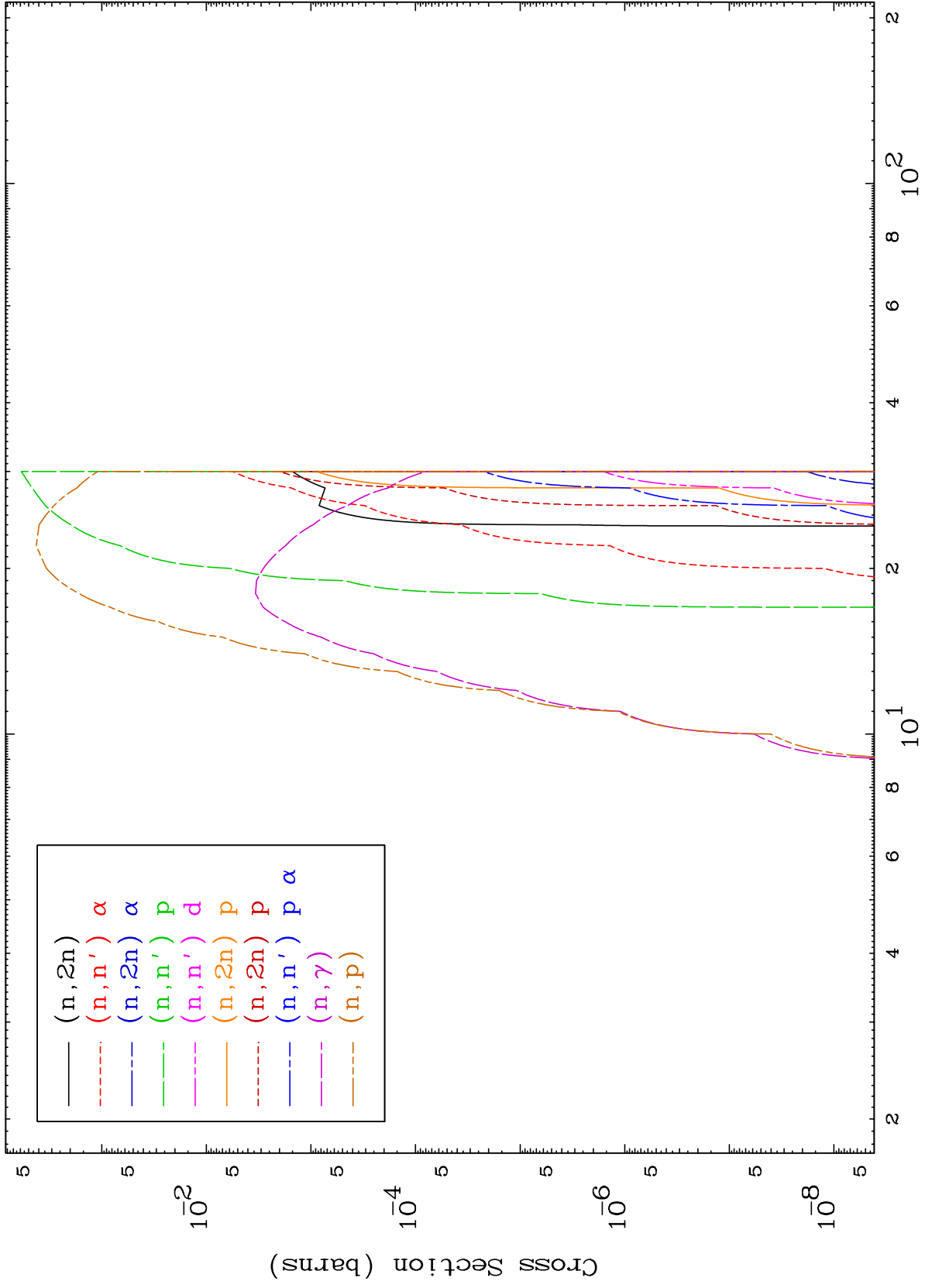
61-Pm-135m



MAT 6114

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

61-Pm-135m



2

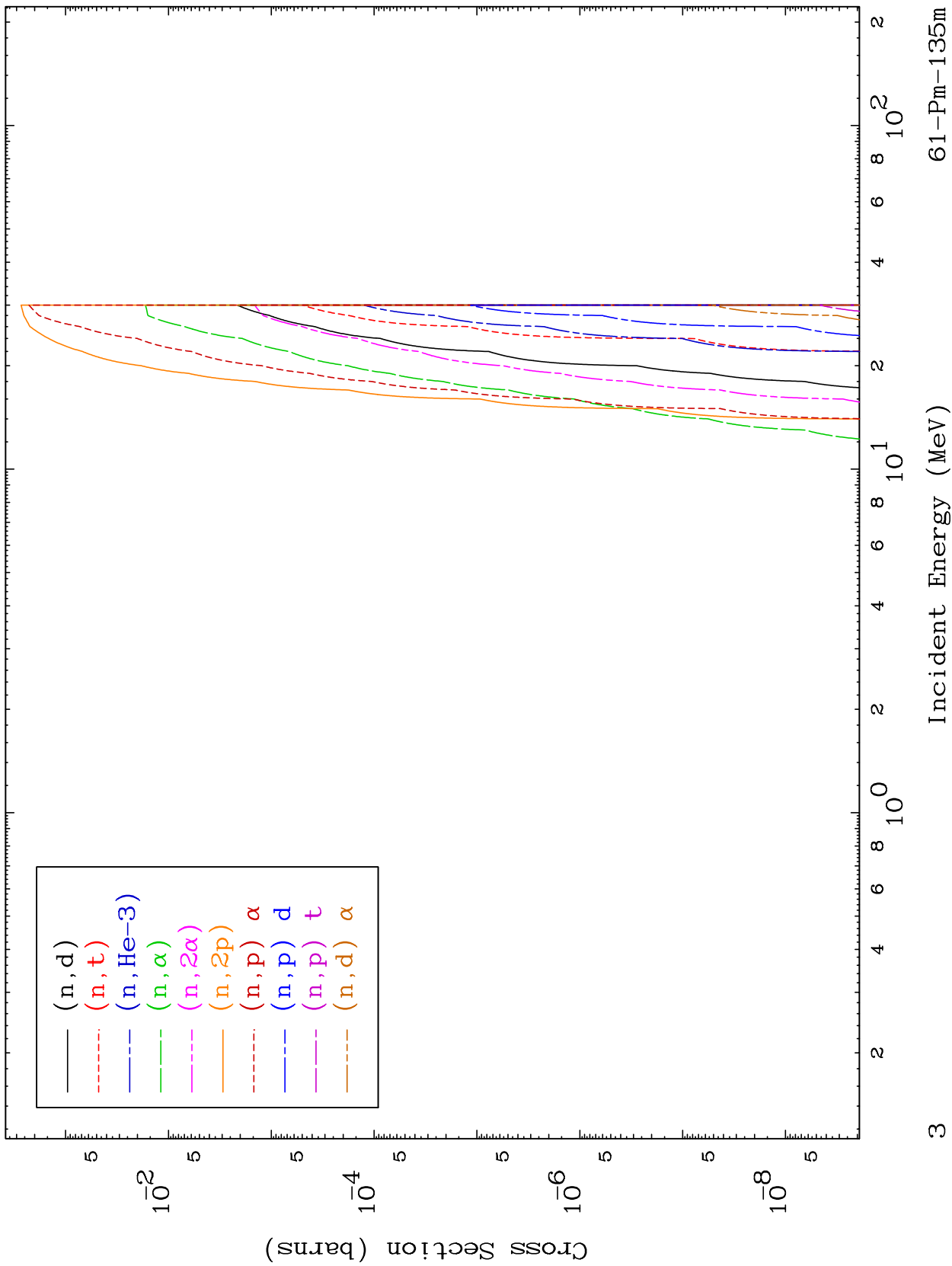
Incident Energy (MeV)

61-Pm-135m

MAT 6114

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

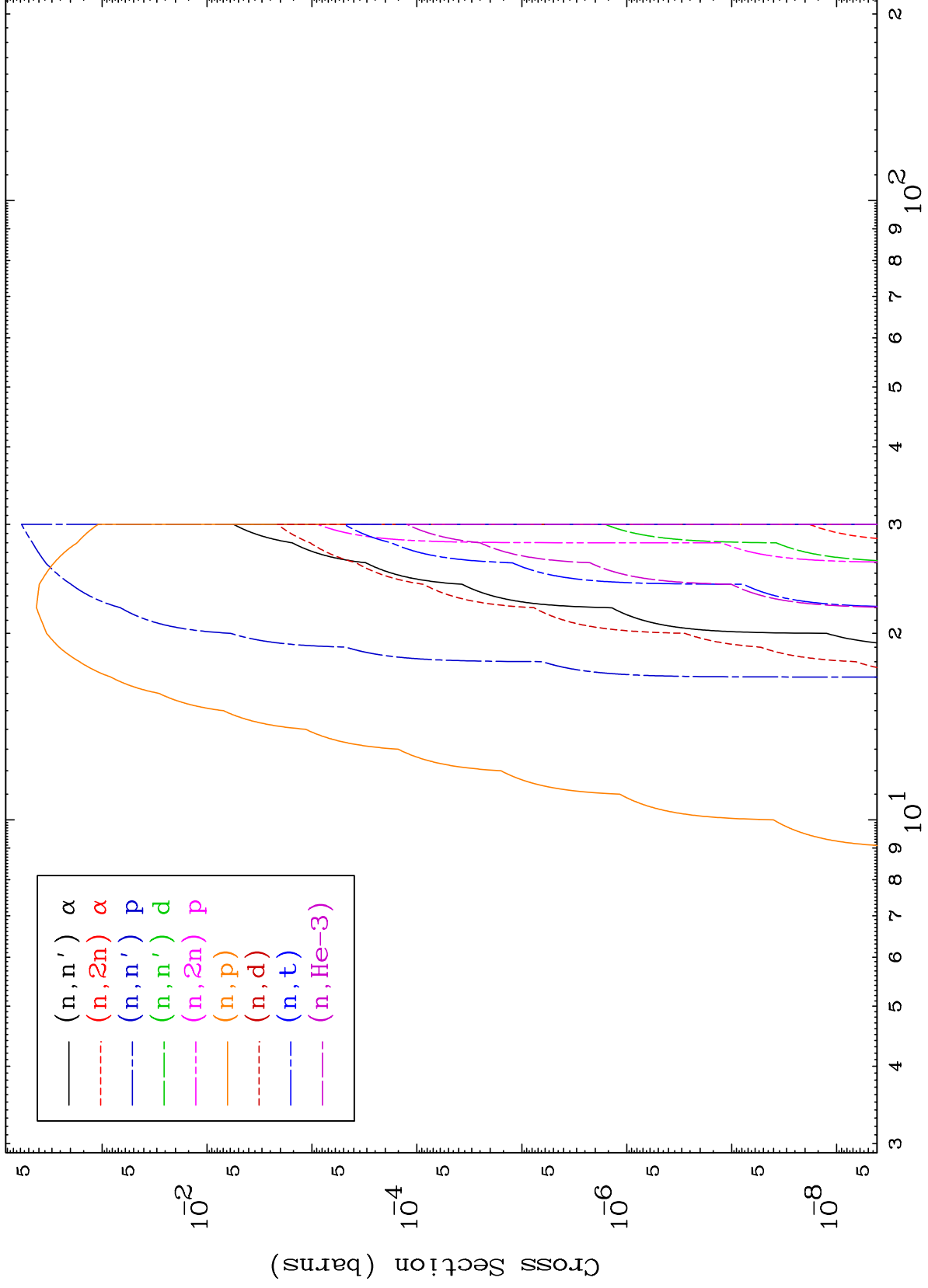
61-Pm-135m

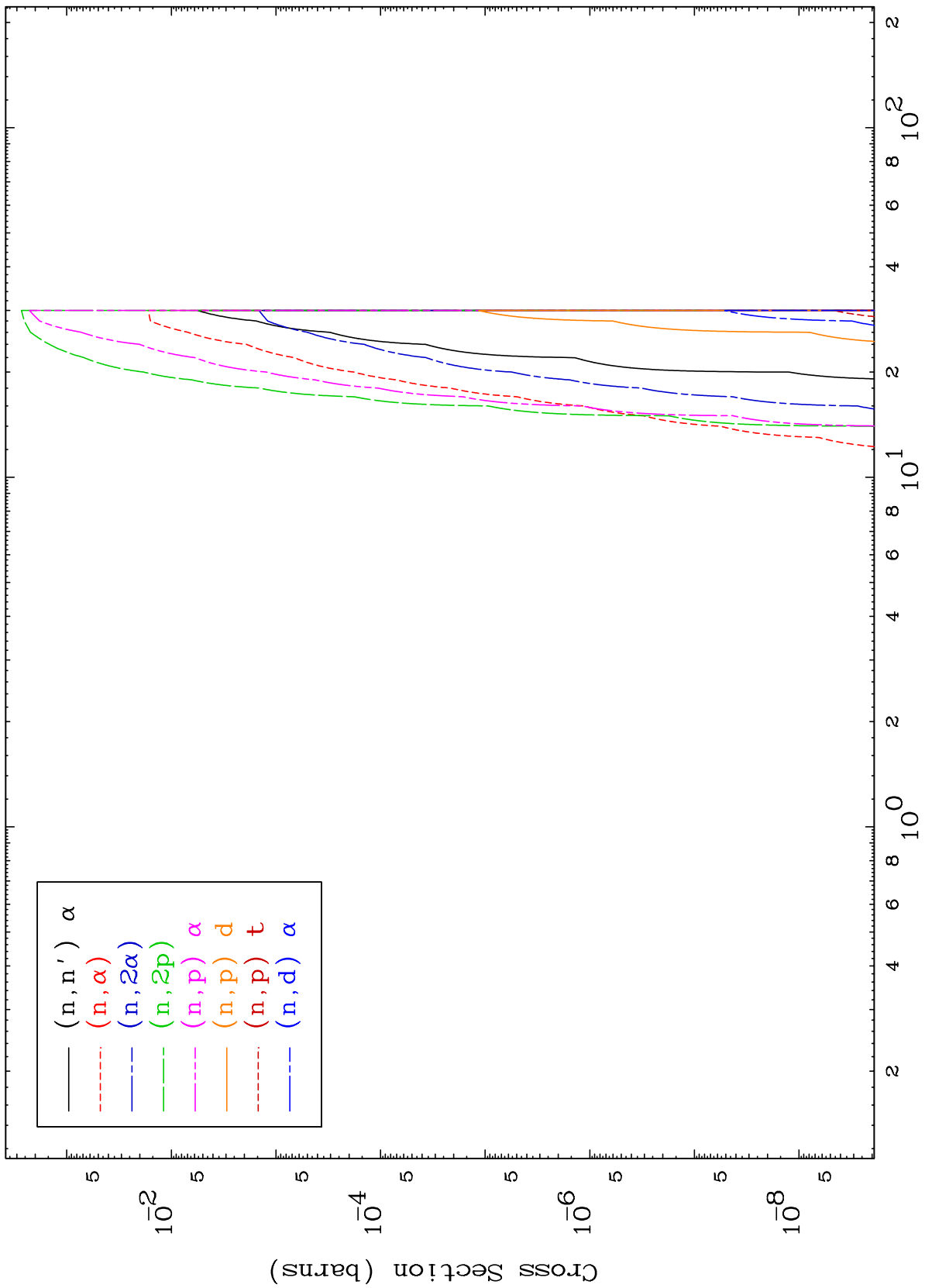


MAT 6114

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

61-Pm-135m



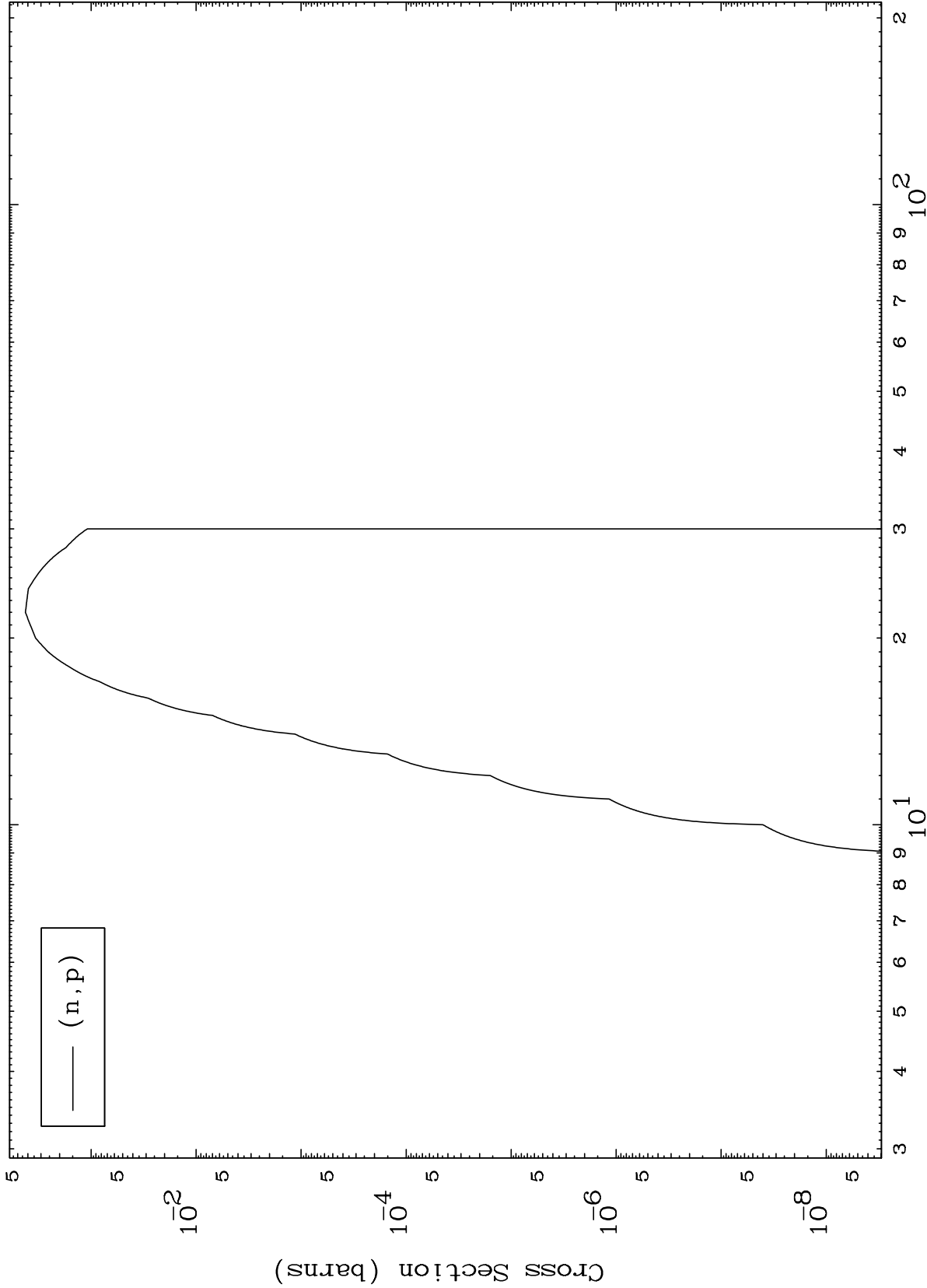


MAT 6114

( $\alpha, p$ ) Levels

61-Pm-135m

0 Kelvin Cross Sections



Incident Energy (MeV)

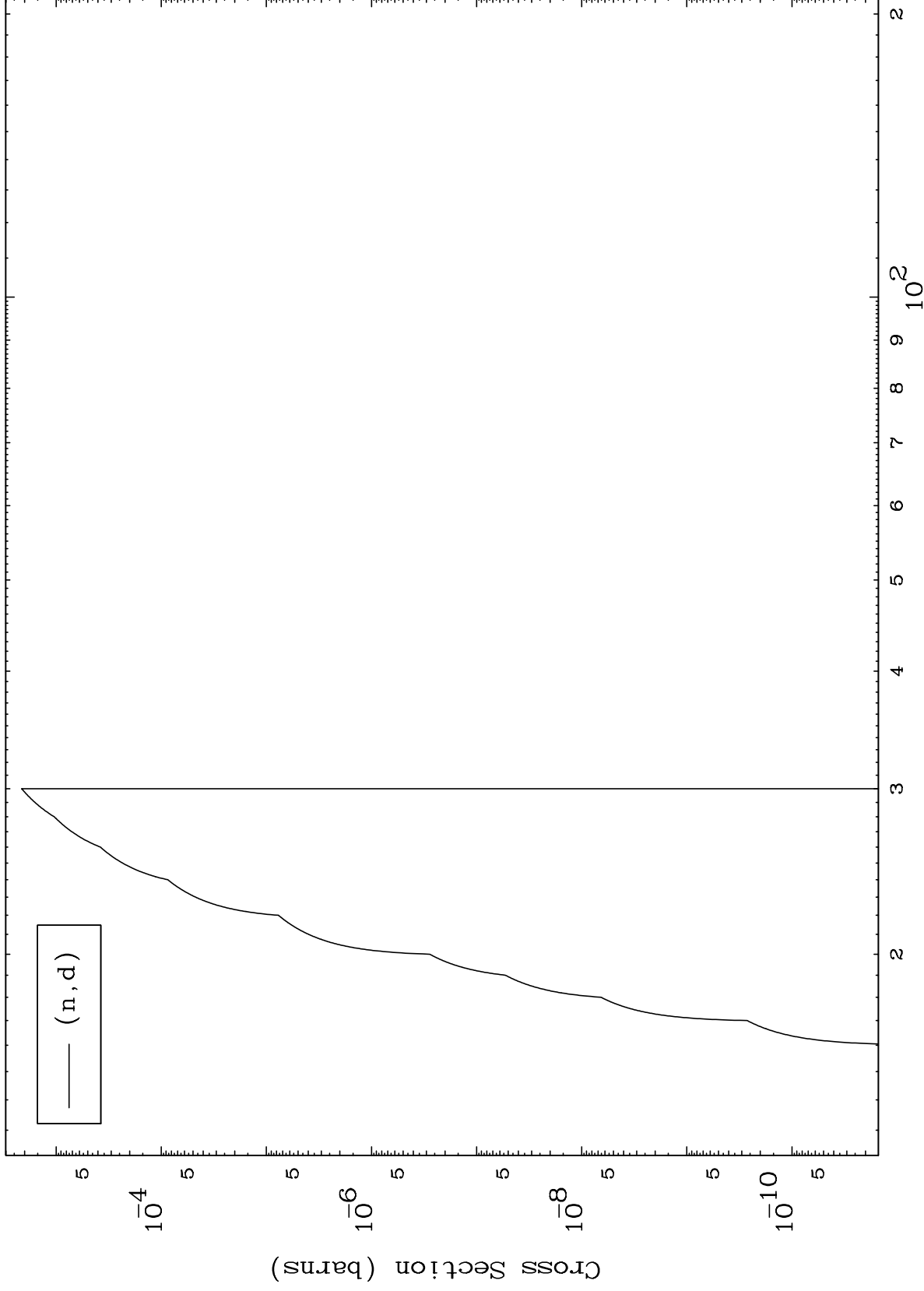
61-Pm-135m

6

MAT 6114

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

61-Pm-135m

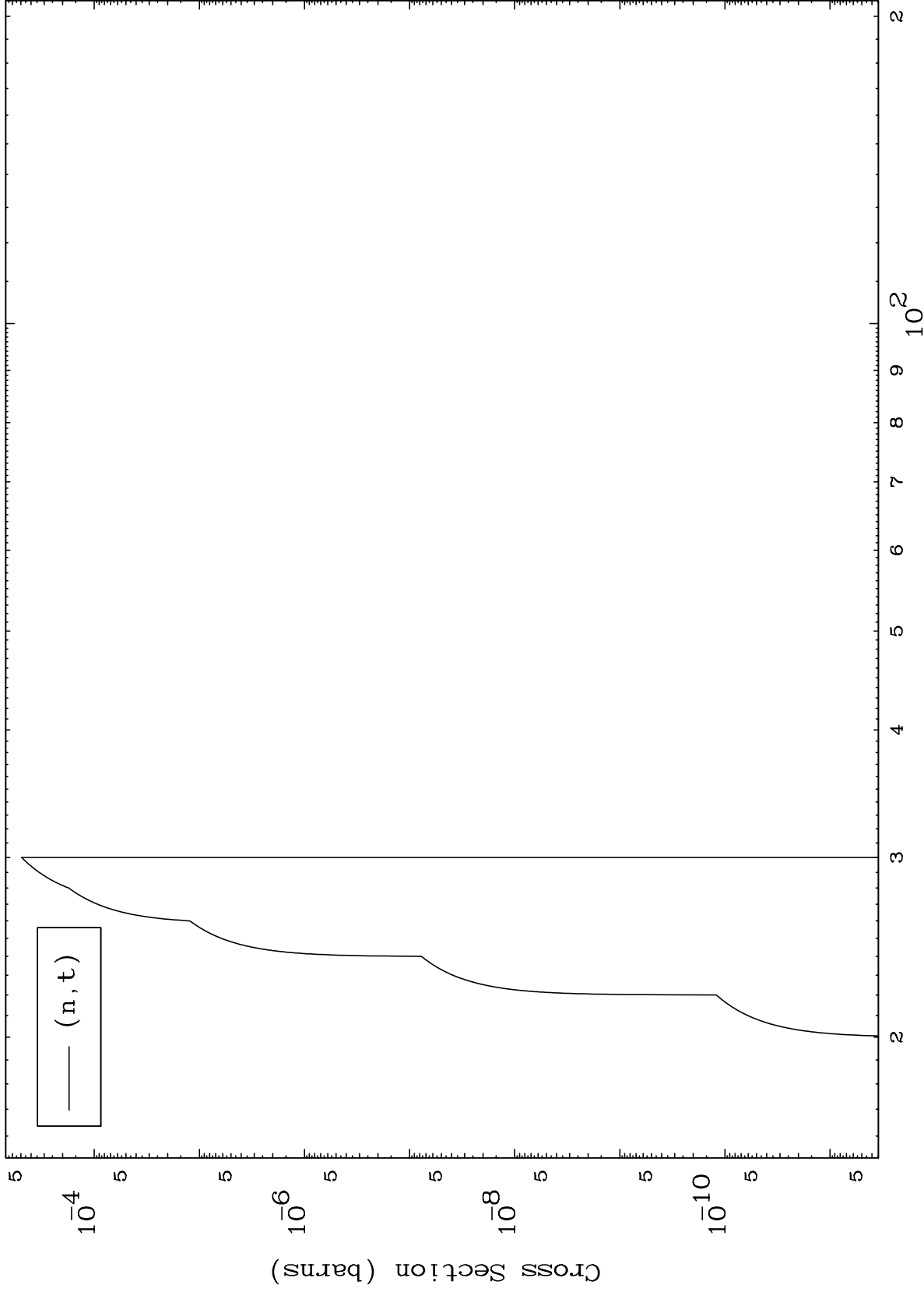




MAT 6114

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

61-Pm-135m



8

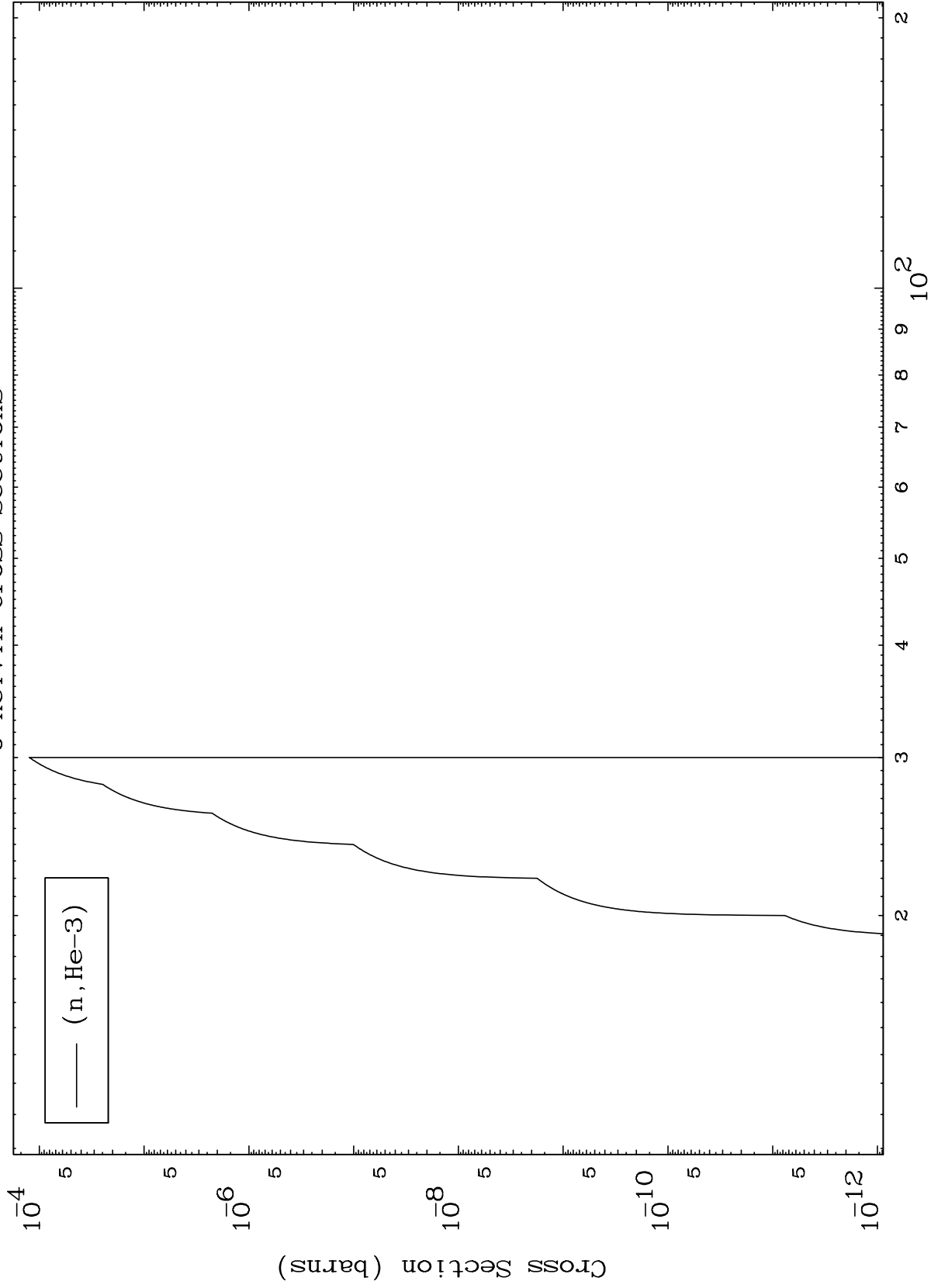
Incident Energy (MeV)

61-Pm-135m

MAT 6114

( $\alpha, \text{He}3$ ) Levels  
0 Kelvin Cross Sections

61-Pm-135m

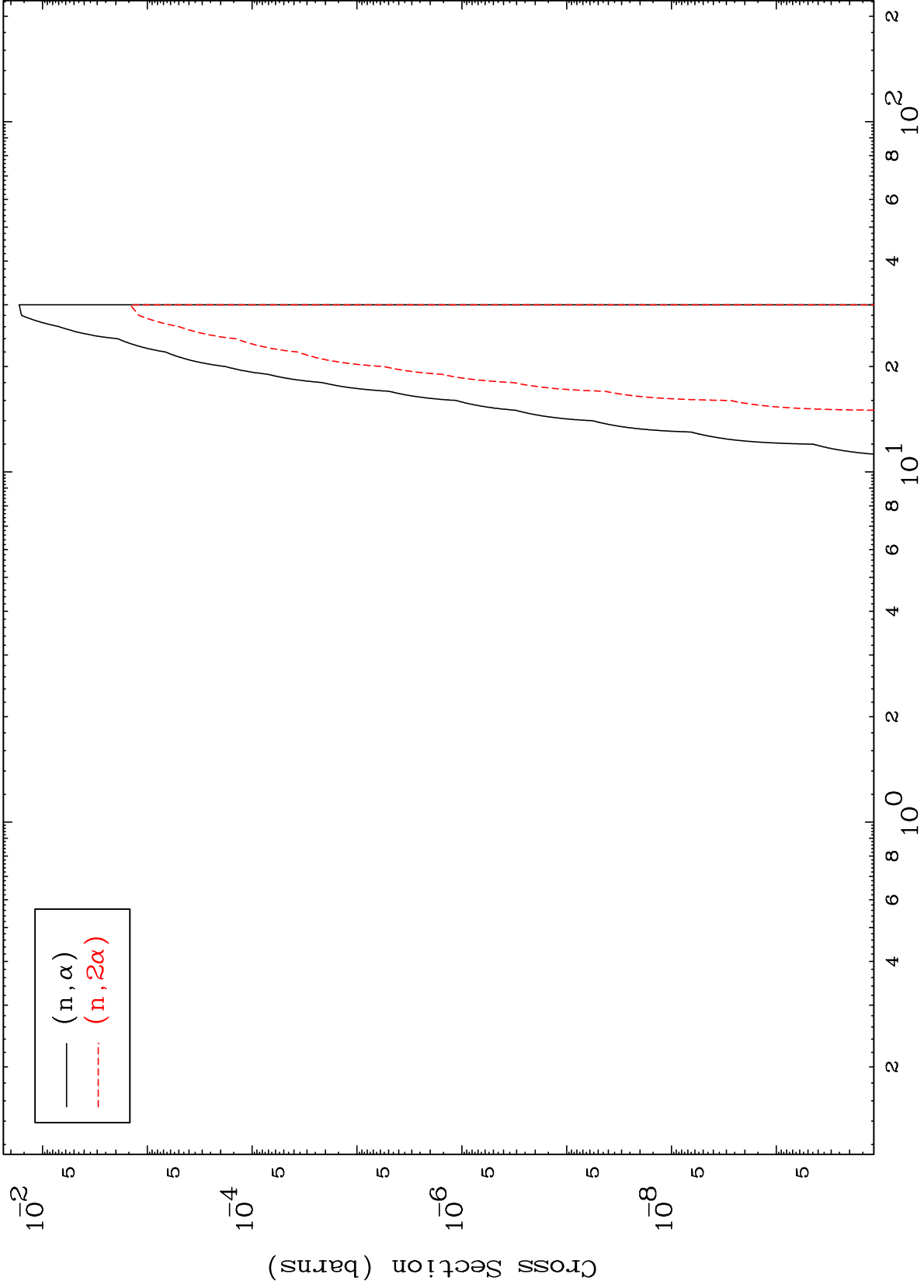


MAT 6114

( $\alpha, \alpha$ ) Levels

61-Pm-135m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

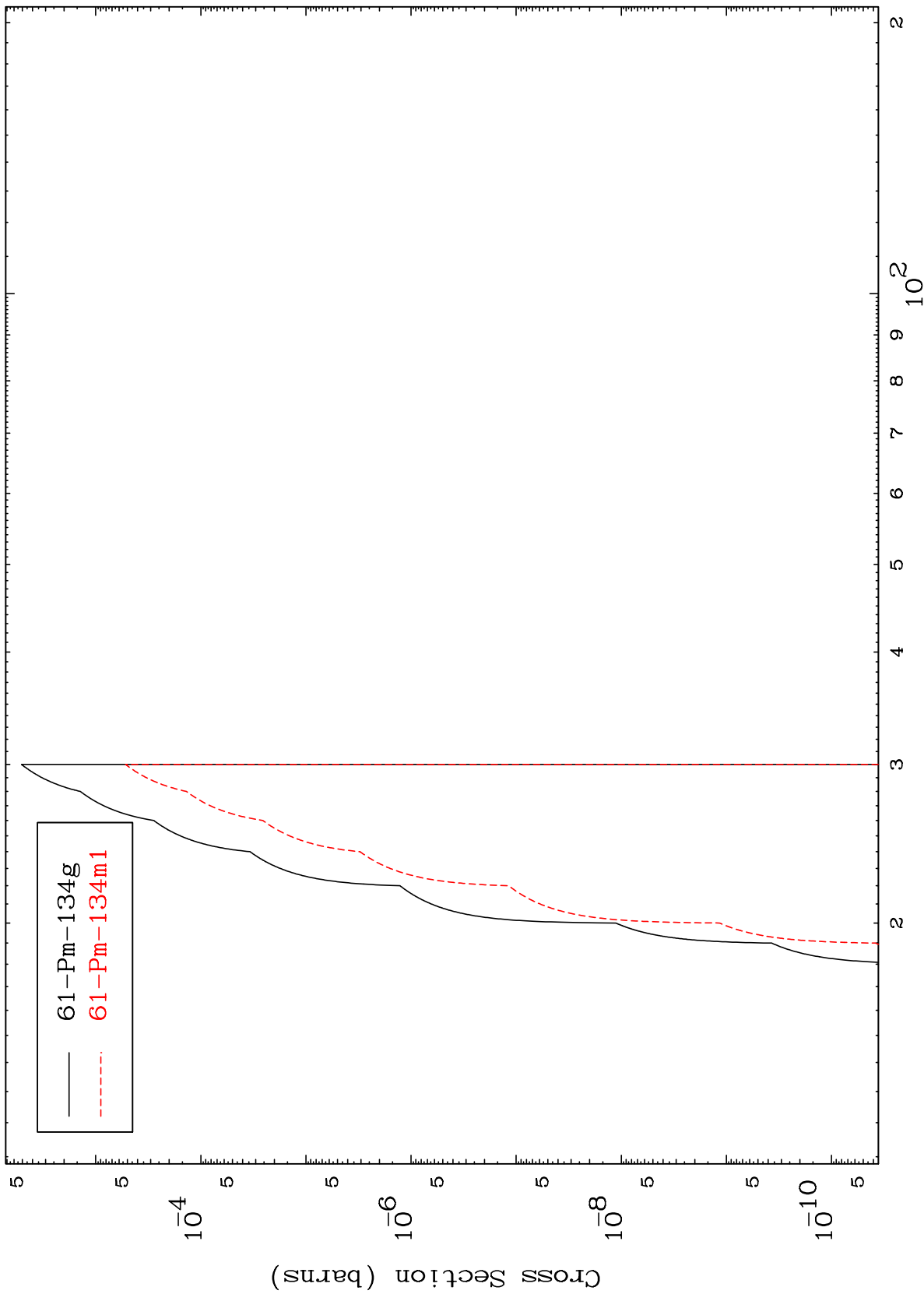
61-Pm-135m

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$(n, n') \alpha$

61-Pm-135m

Radionuclide Production Cross Section



Incident Energy (MeV)

61-Pm-135m

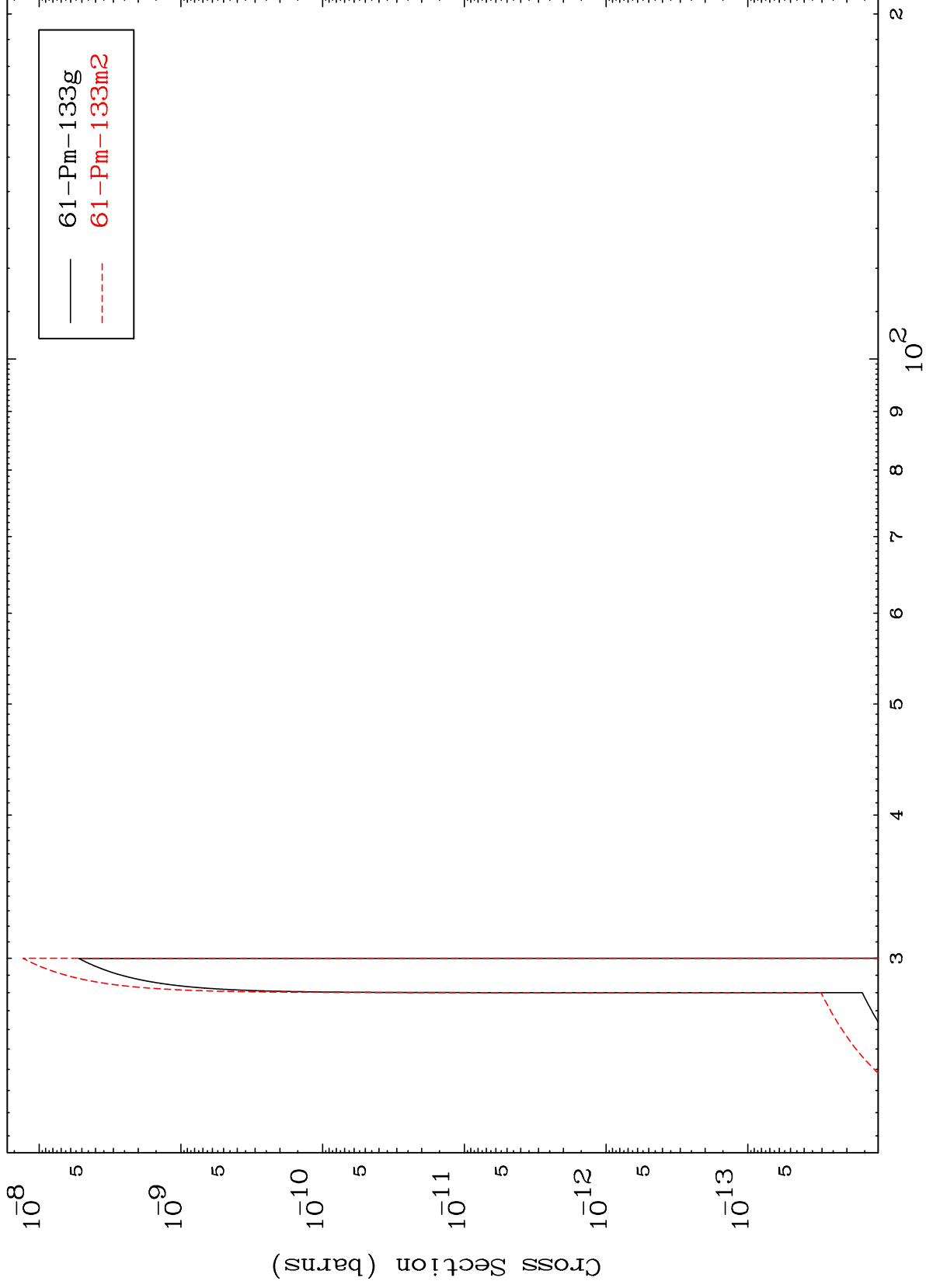
11

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(n,2n)  $\alpha$

61-Pm-135m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

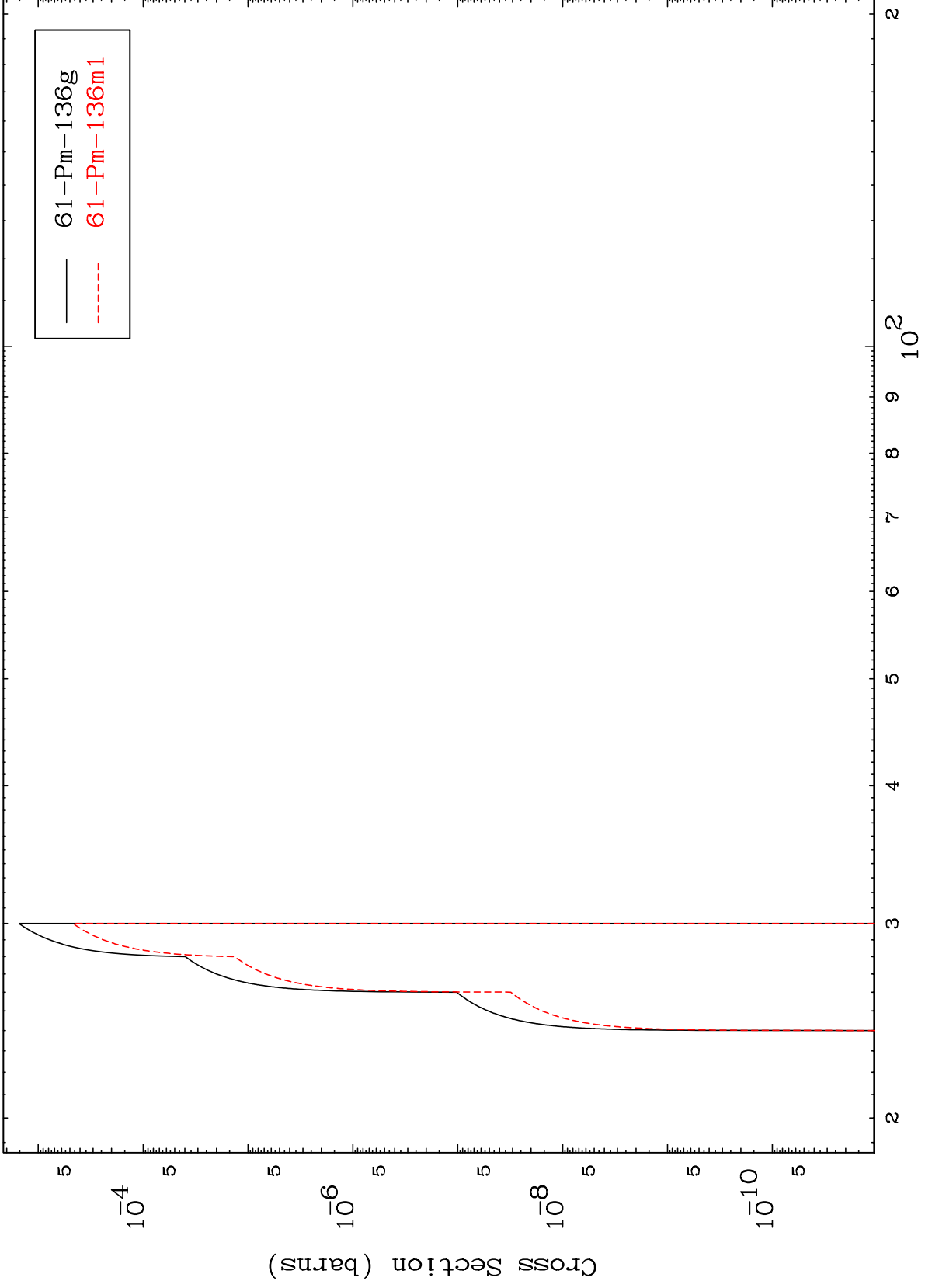
61-Pm-135m

MAT 6114

(n,2n) p

61-Pm-135m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

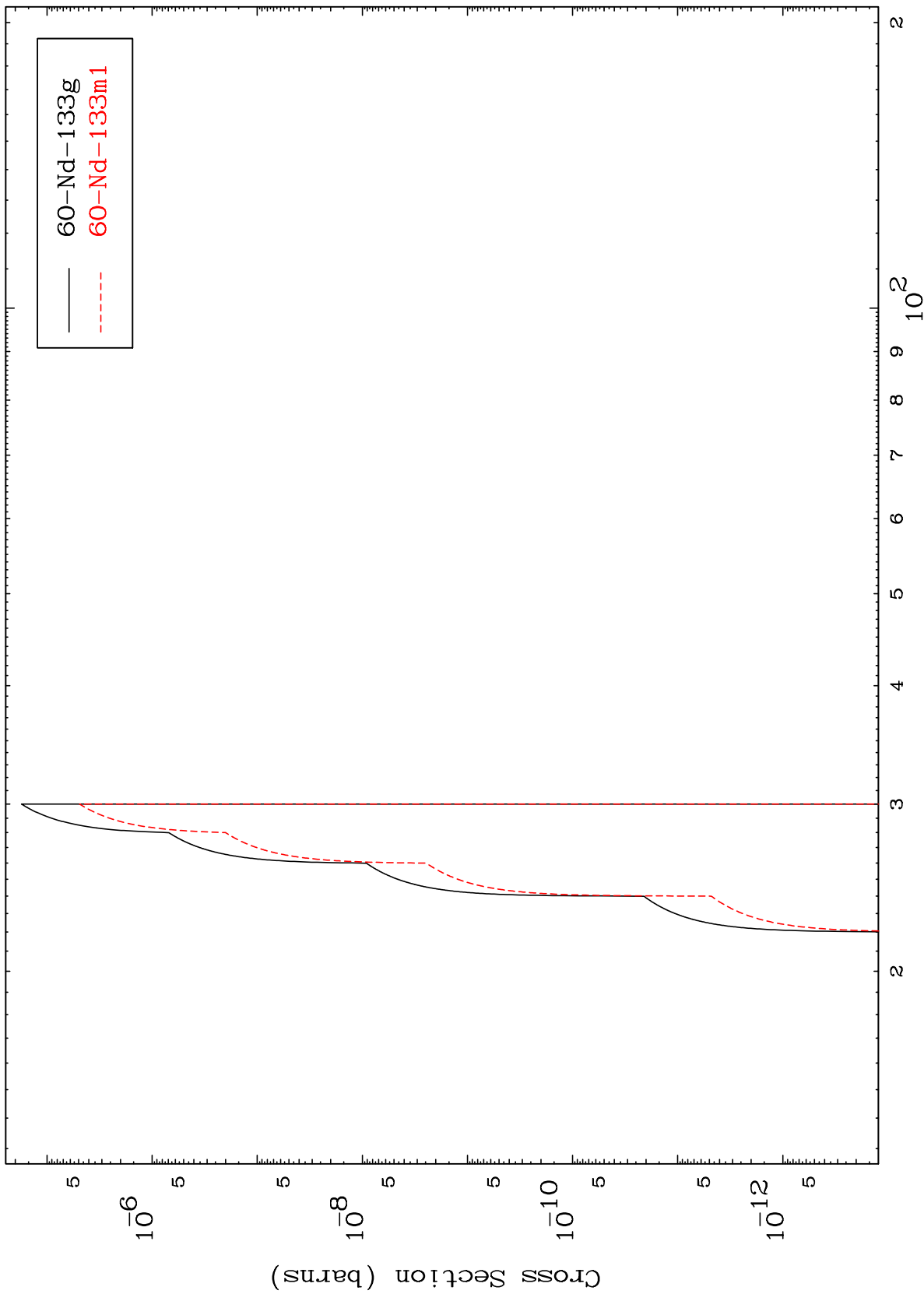
61-Pm-135m

MAT 6114

(n,n') p  $\alpha$

61-Pm-135m

Radionuclide Production Cross Section



14

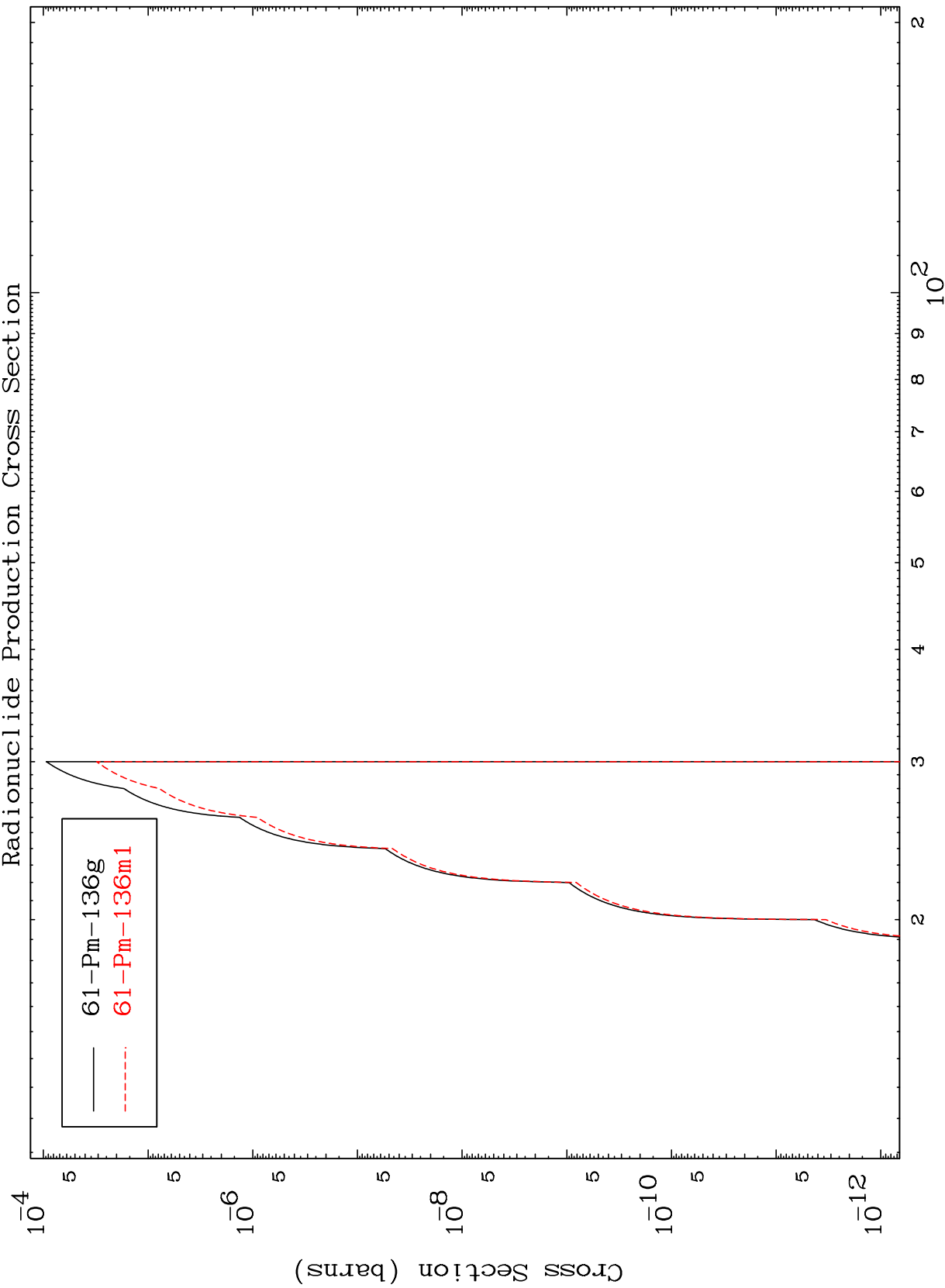
Incident Energy (MeV)

61-Pm-135m

MAT 6114

61-Pm-135m

(n,He-3)  
Radionuclide Production Cross Section



61-Pm-135m

Incident Energy (MeV)

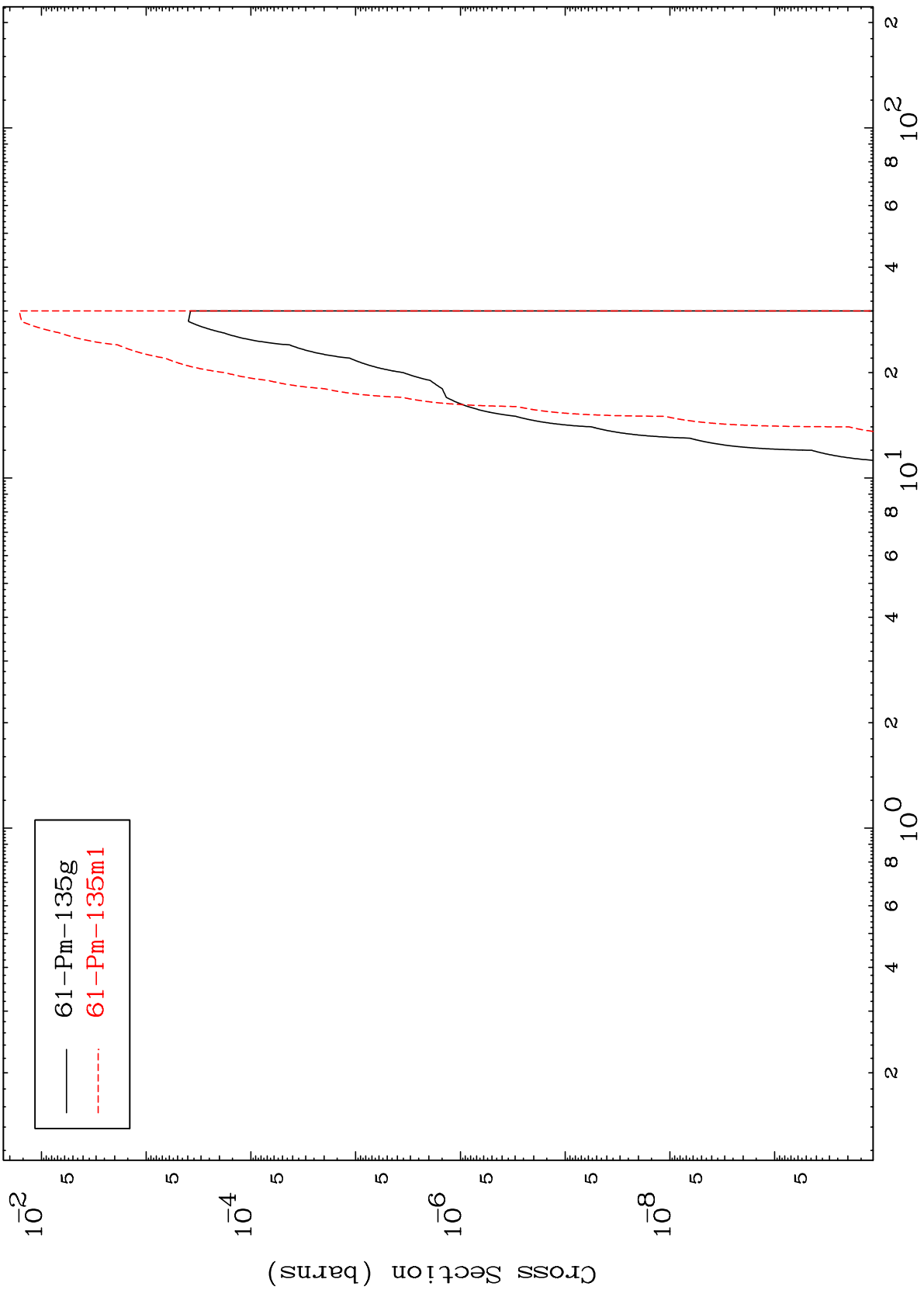
15



MAT 6114

61-Pm-135m

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



61-Pm-135g  
61-Pm-135m1

61-Pm-135m

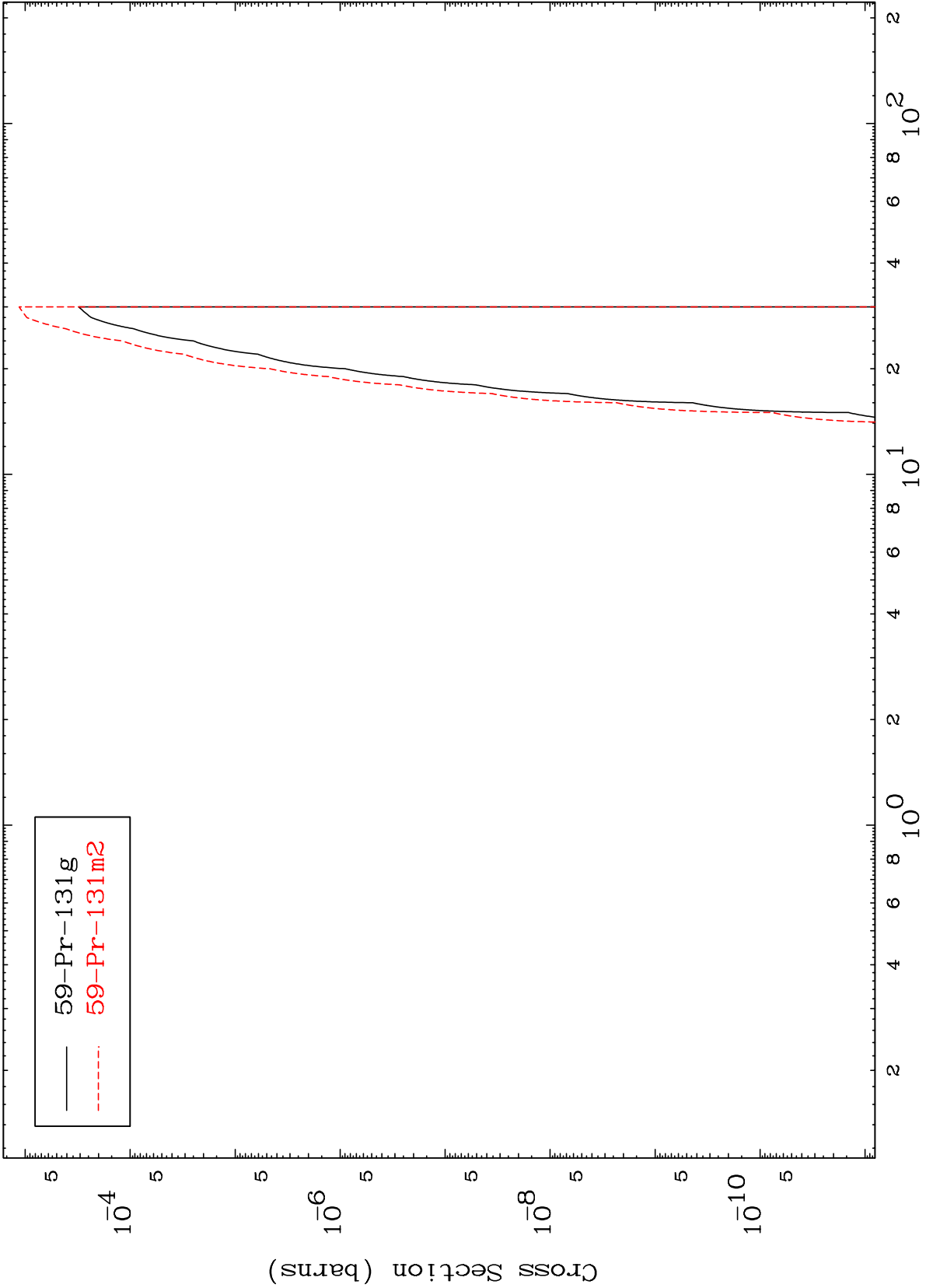
Incident Energy (MeV)

MAT 6114

(n,2α)

61-Pm-135m

Radionuclide Production Cross Section

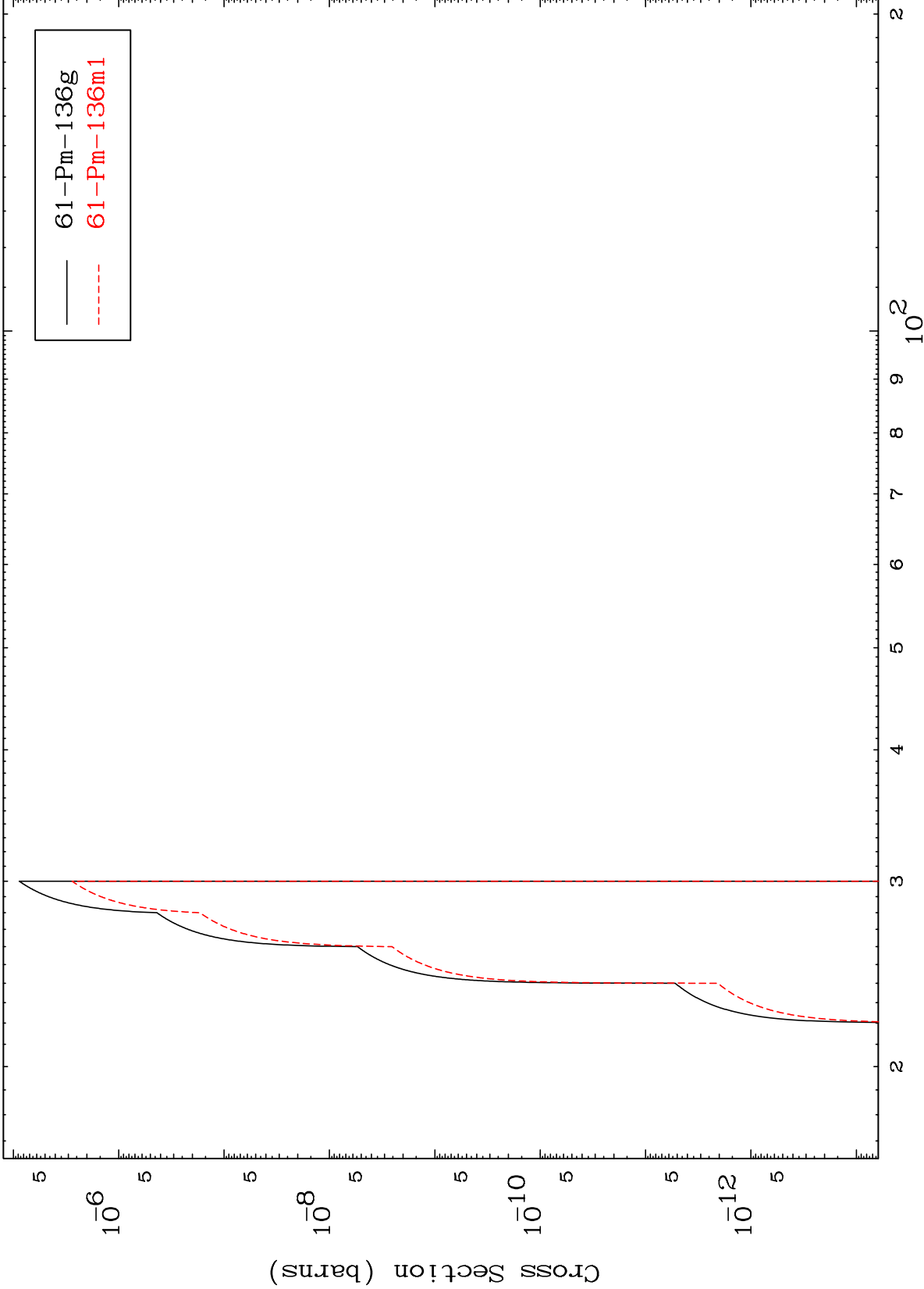


MAT 6114

(n,p) d

61-Pm-135m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

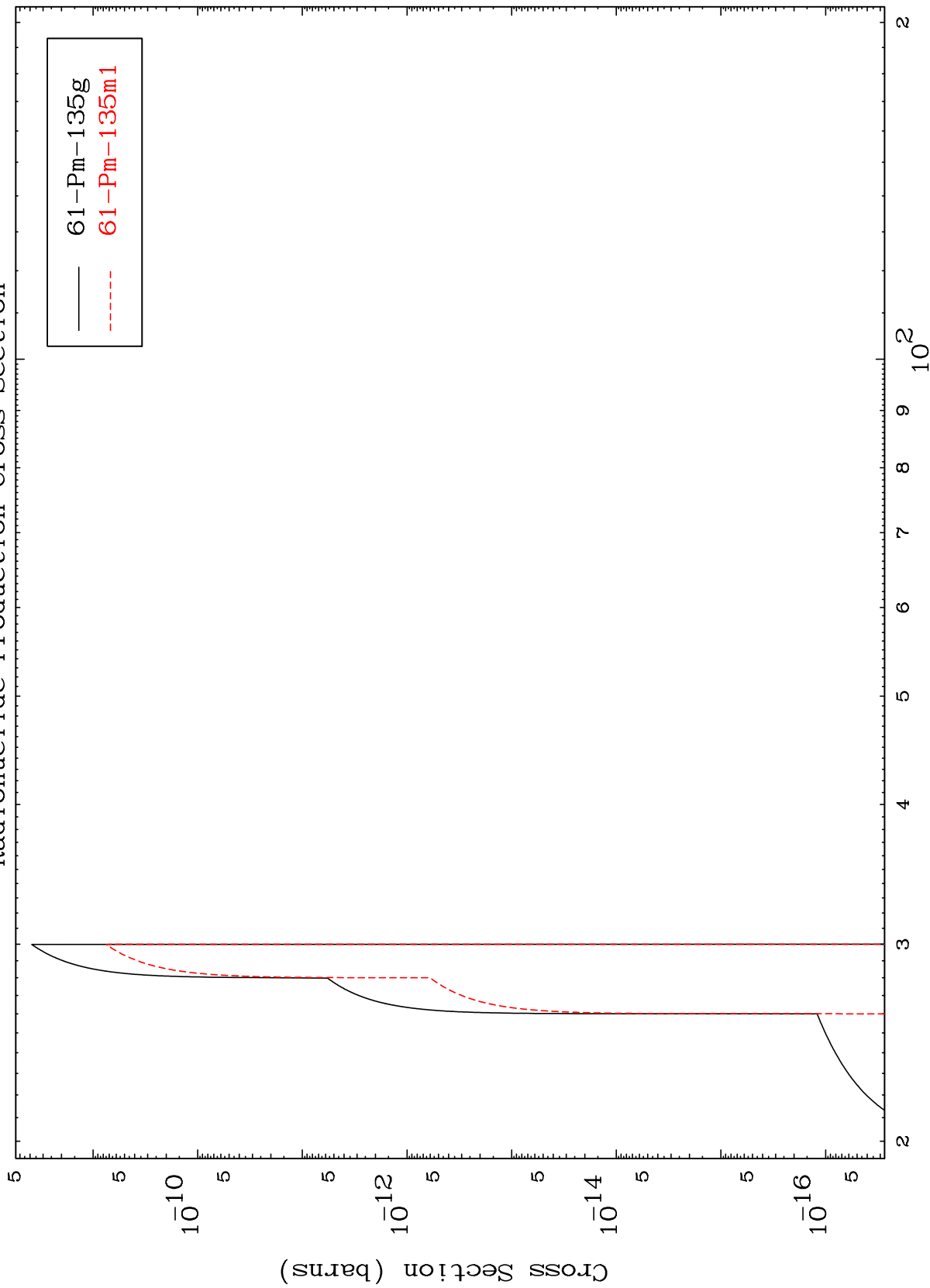
61-Pm-135m

MAT 6114

(n,p) t

61-Pm-135m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

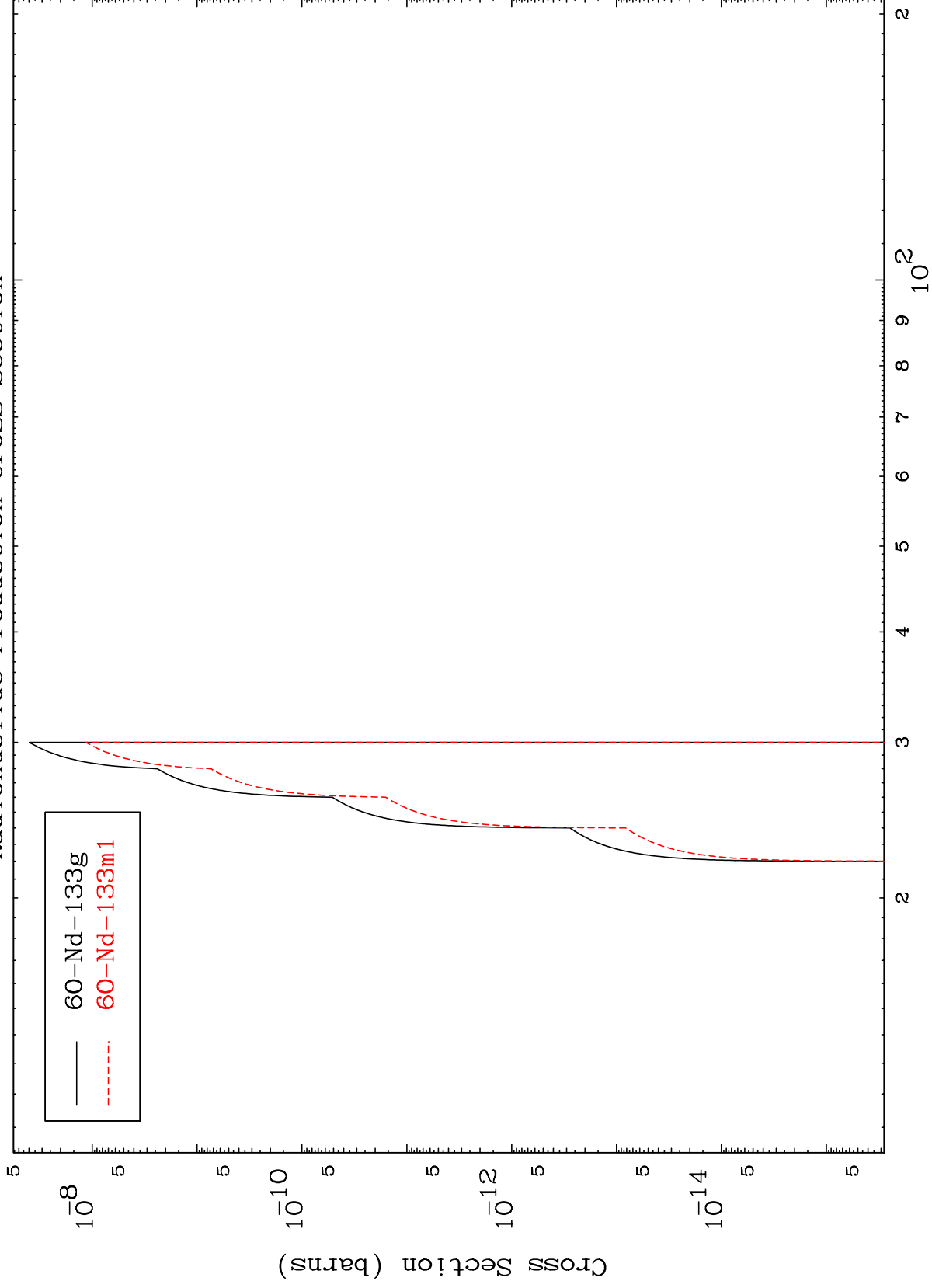
61-Pm-135m

MAT 6114

(n,d)  $\alpha$

61-Pm-135m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

61-Pm-135m