

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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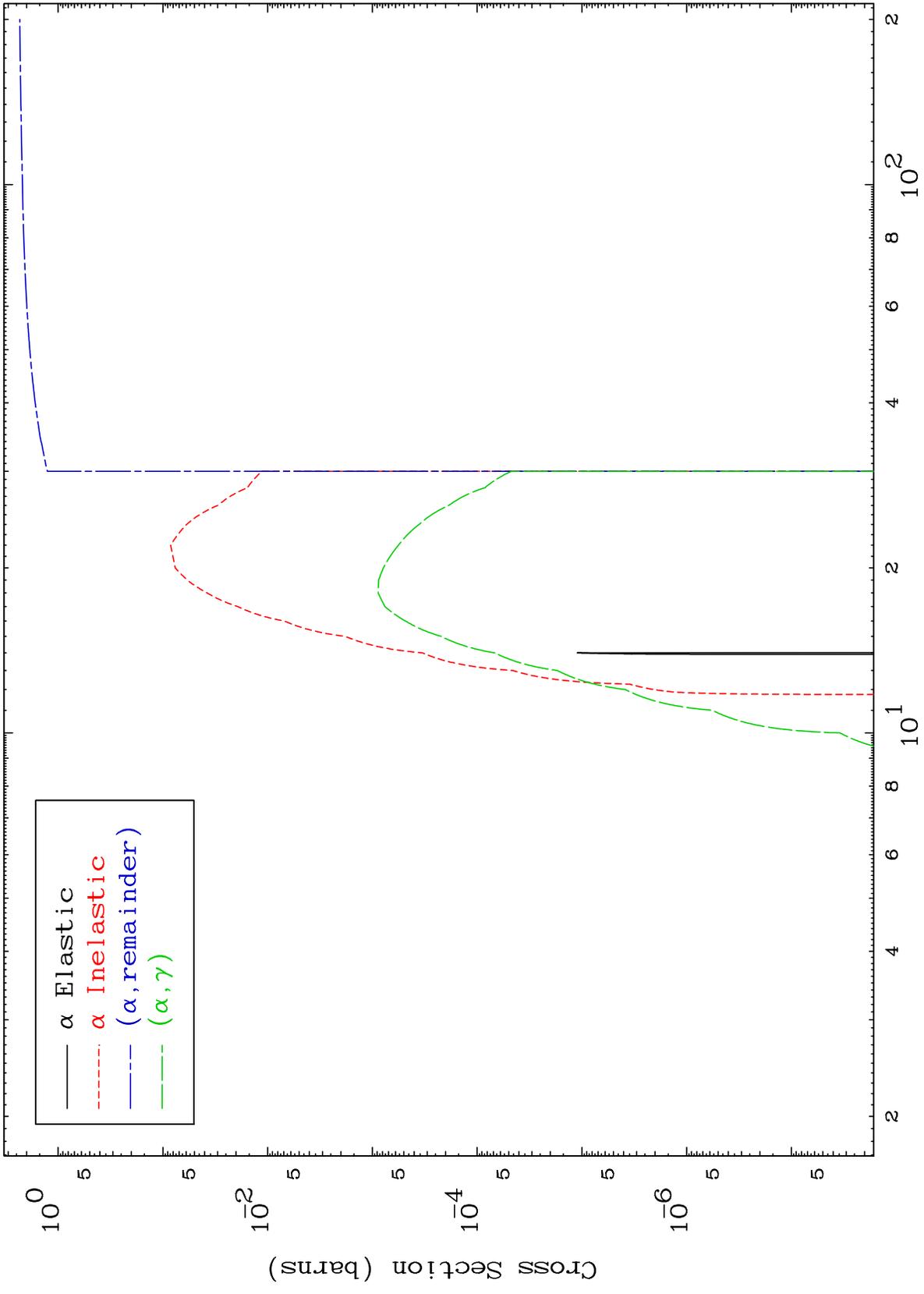
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Web:redcullen1.net/HOMEPAGE.NEW

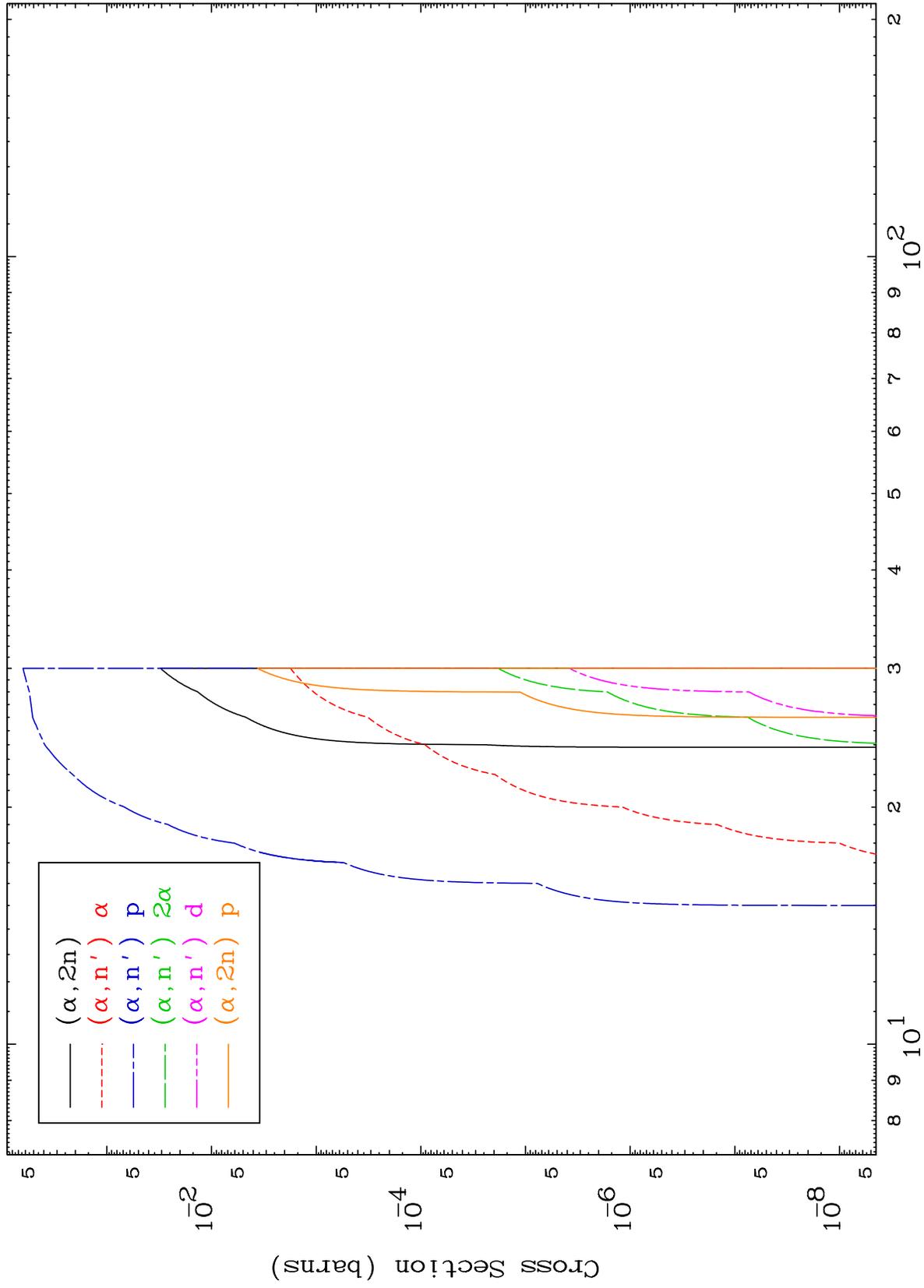
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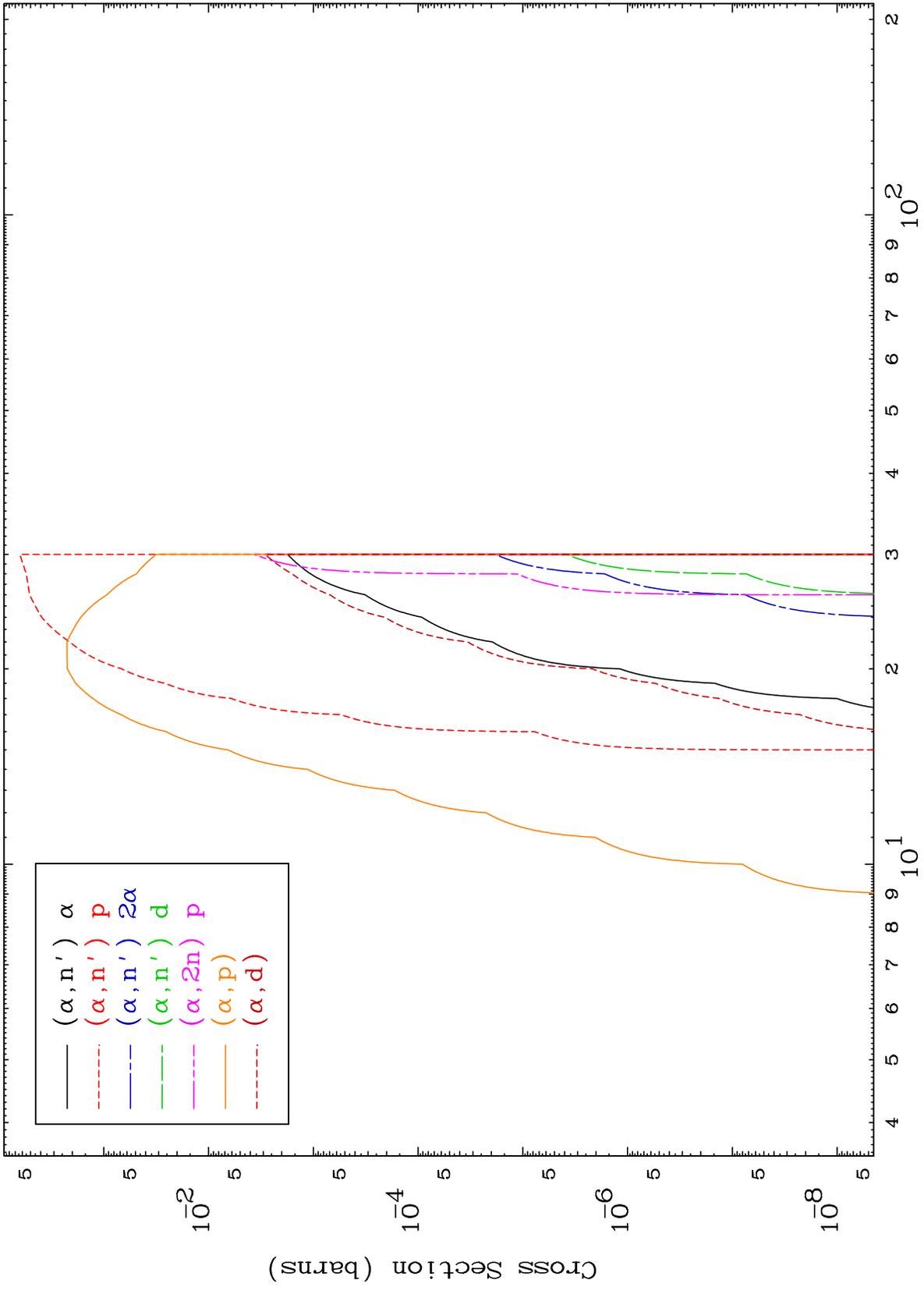
MAT 6116

0 Kelvin  $\alpha$  Major

61-Pm-136



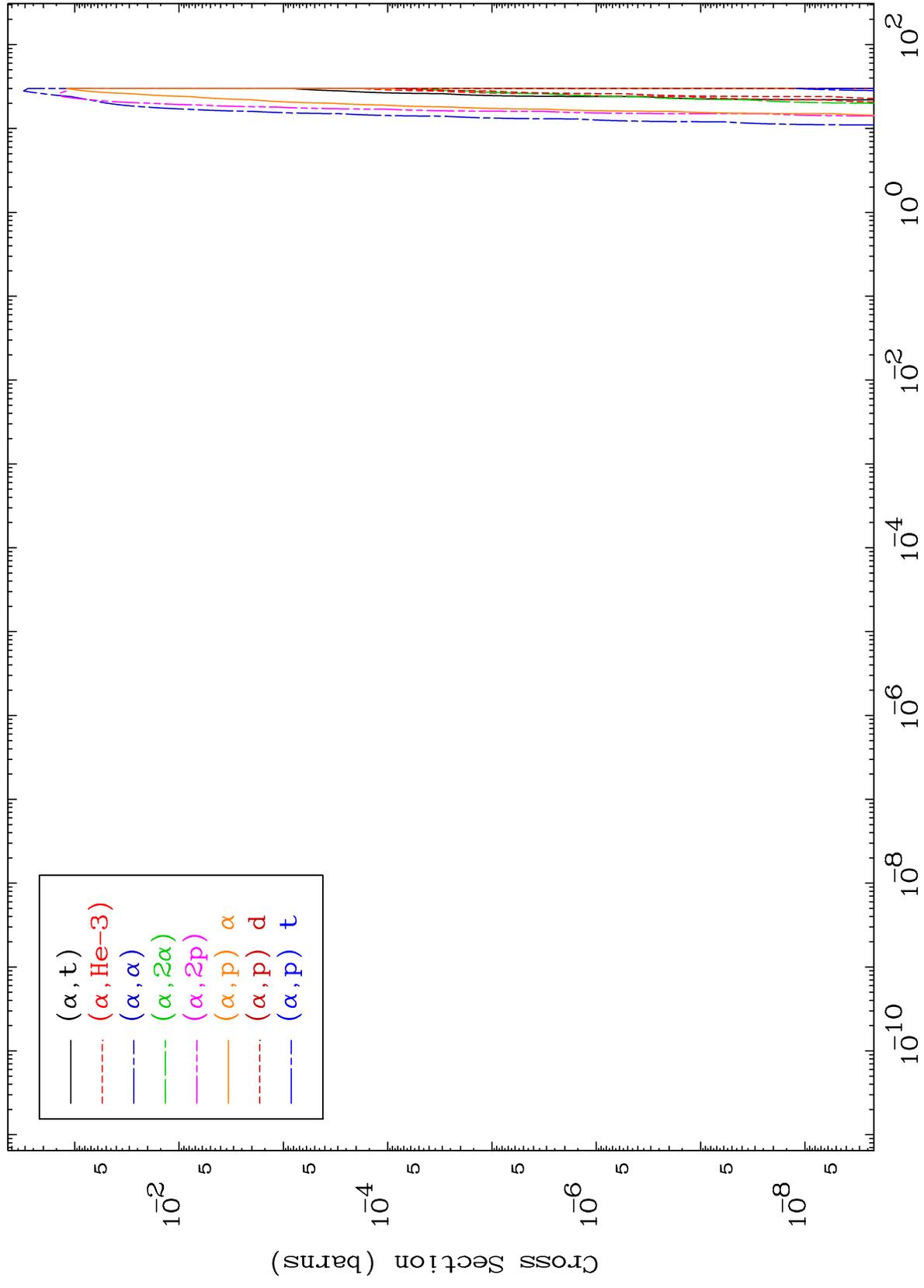




MAT 6116

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

61-Pm-136

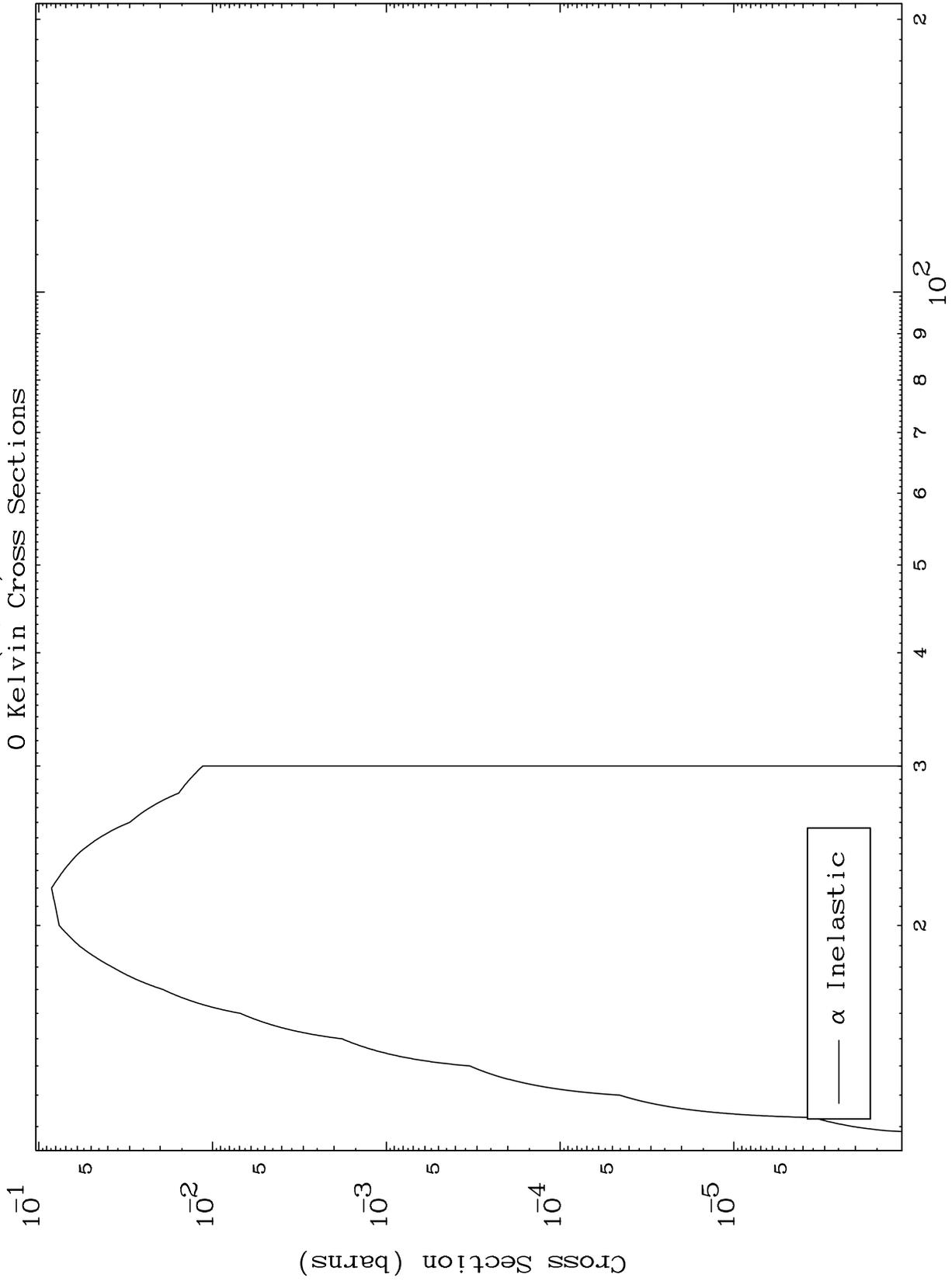


61-Pm-136

MAT 6116

61-Pm-136

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



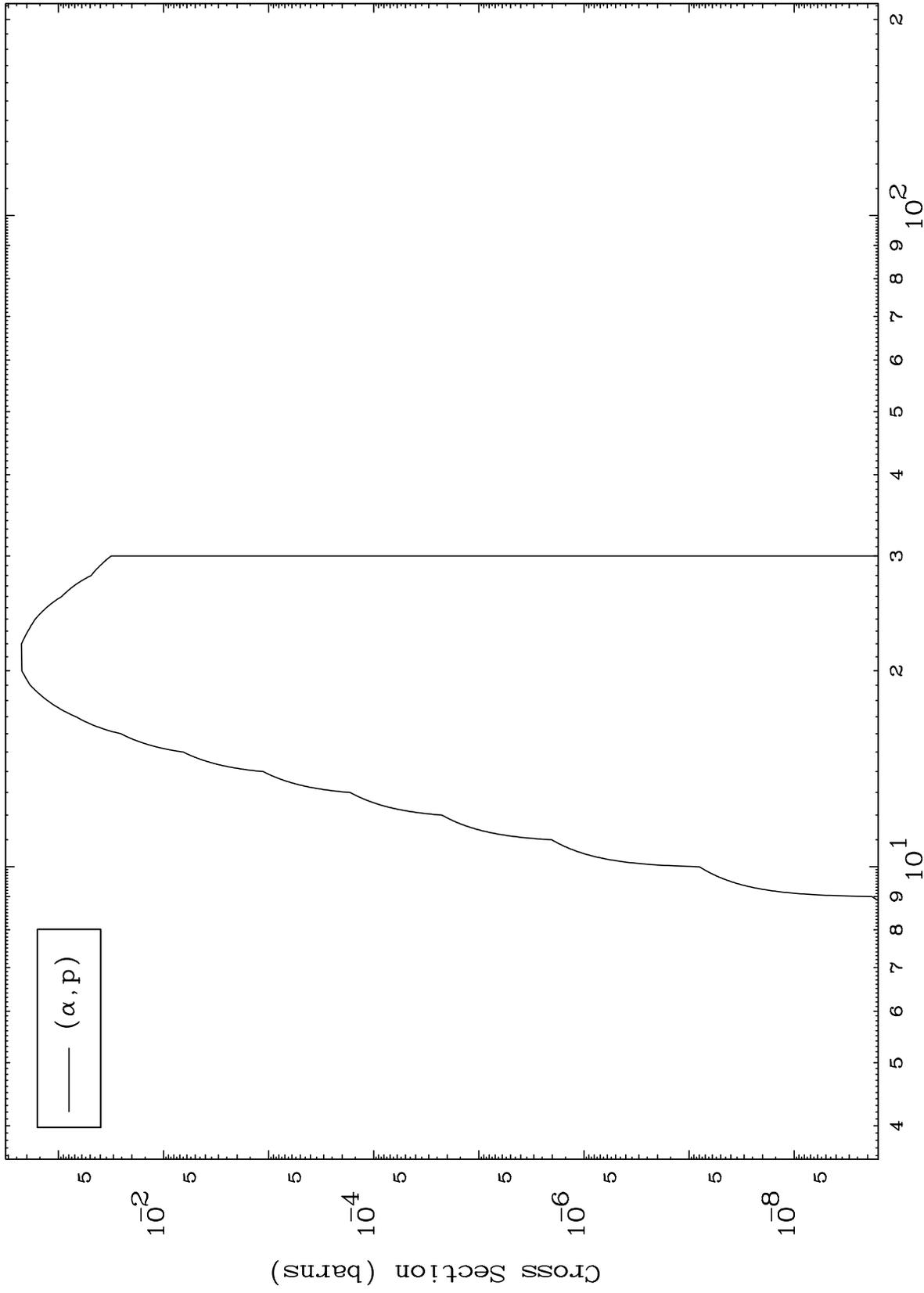
5

61-Pm-136

MAT 6116

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

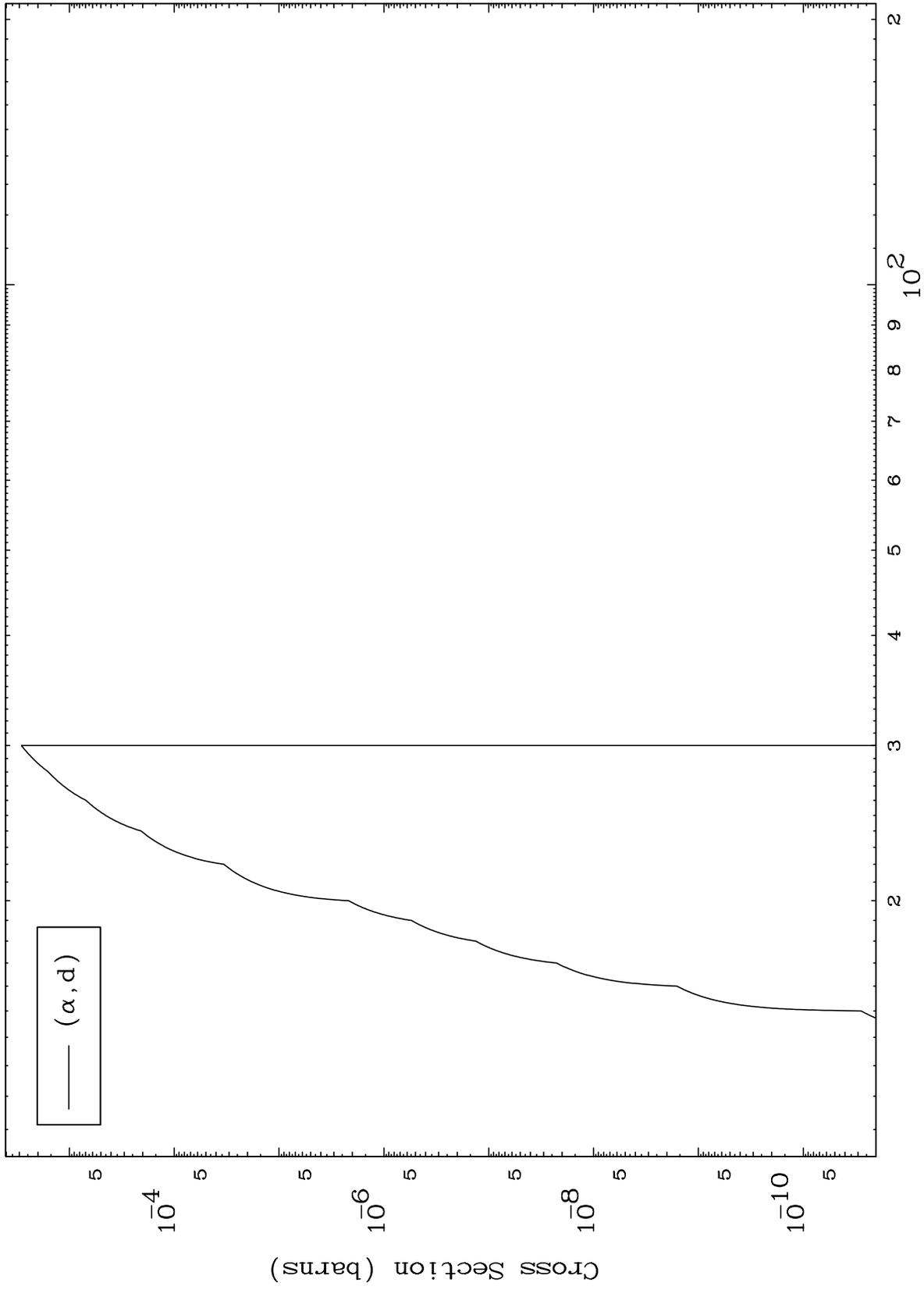
61-Pm-136



MAT 6116

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

61-Pm-136



7

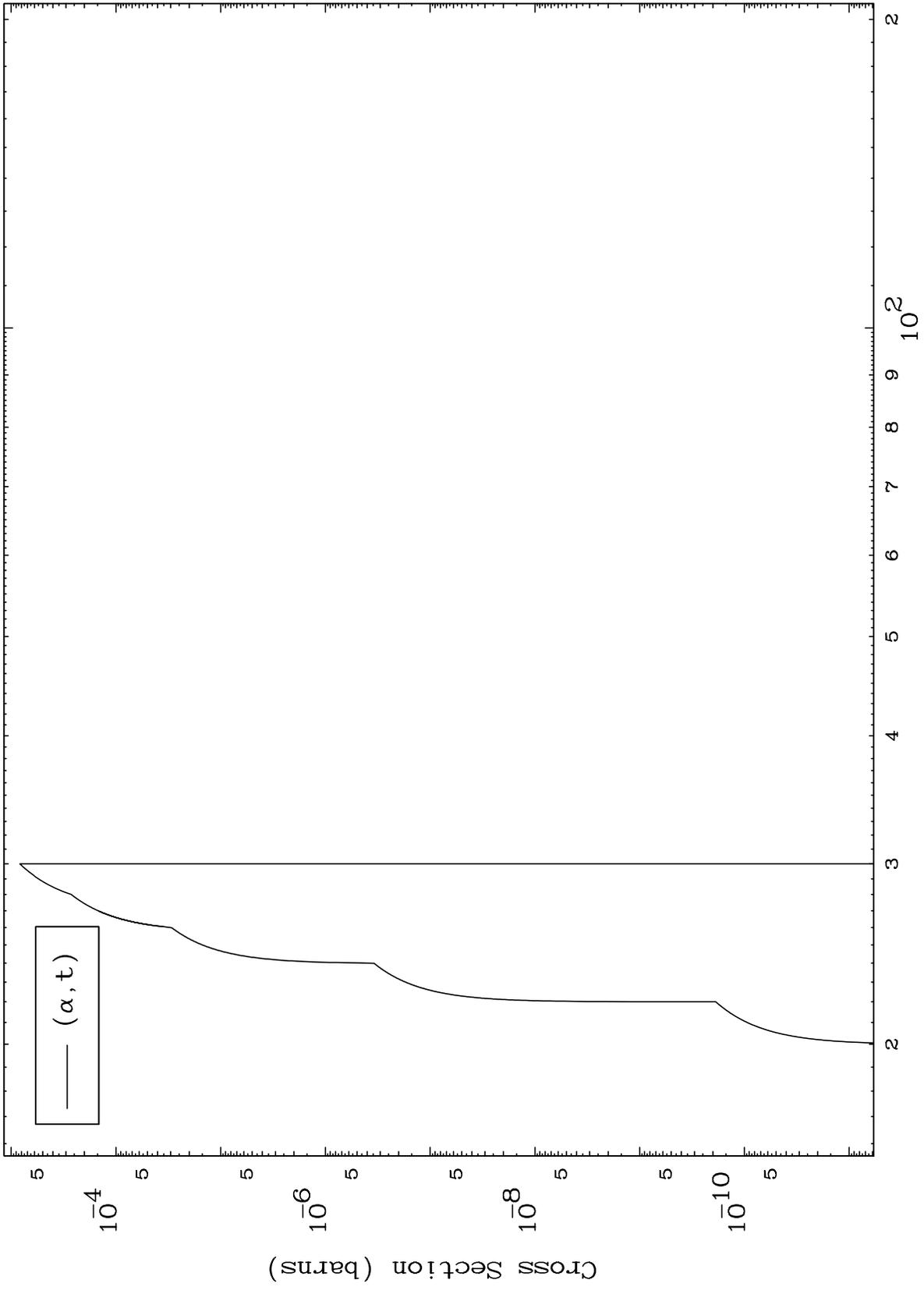
Incident Energy (MeV)

61-Pm-136

MAT 6116

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

61-Pm-136



8

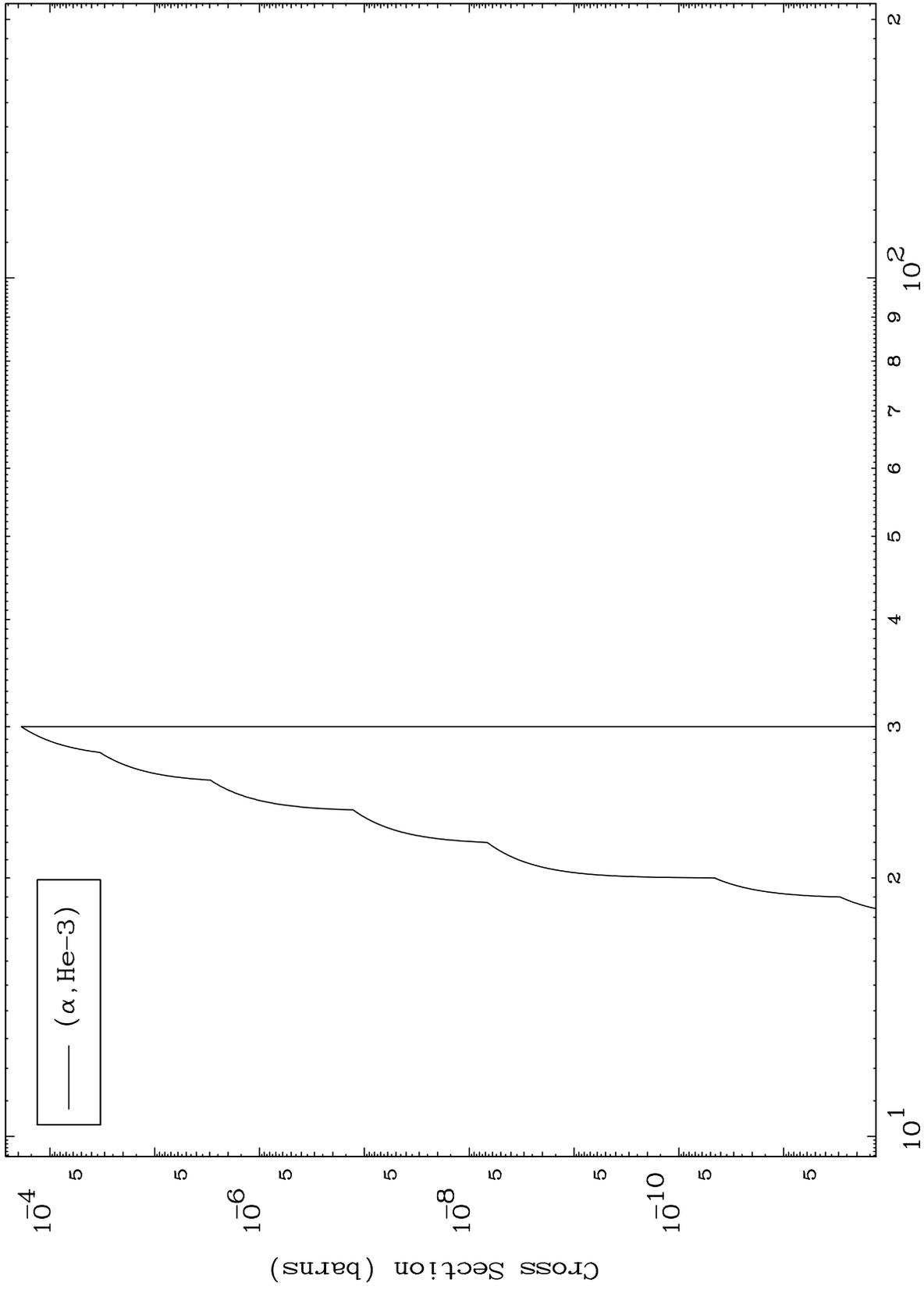
Incident Energy (MeV)

61-Pm-136

MAT 6116

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

61-Pm-136



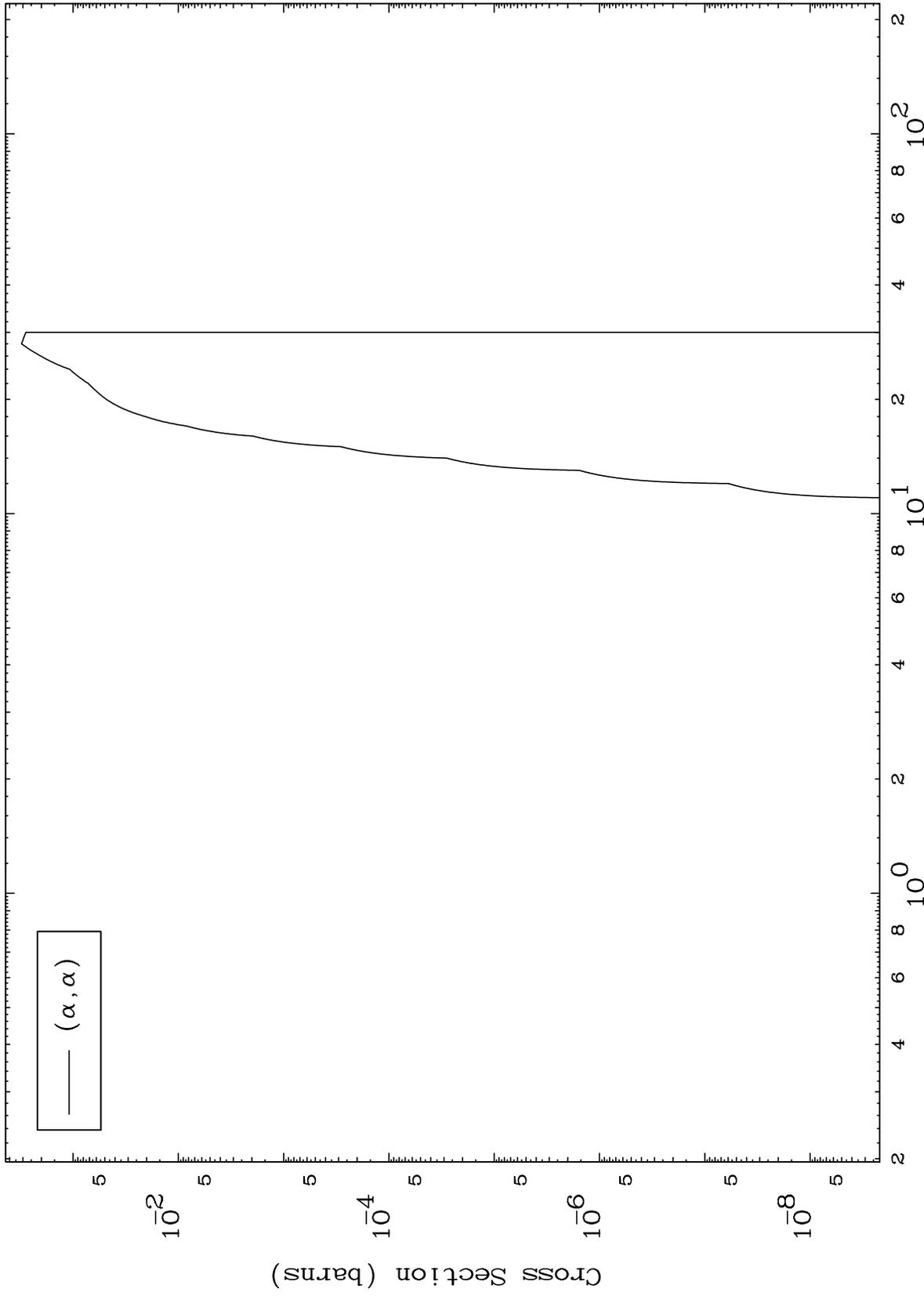
Incident Energy (MeV)

61-Pm-136

MAT 6116

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

61-Pm-136



10

Incident Energy (MeV)

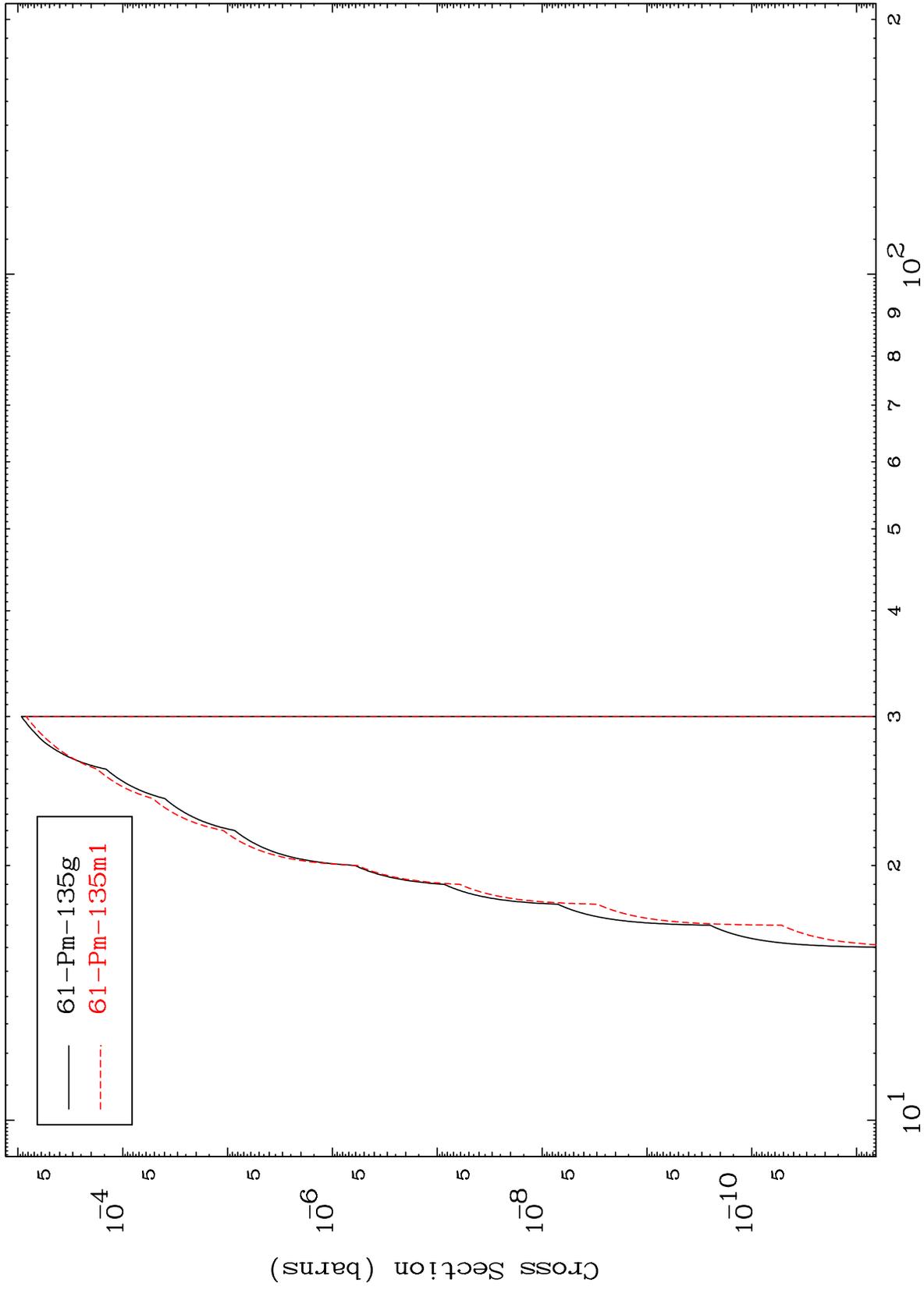
61-Pm-136

MAT 6116

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

61-Pm-136

Radionuclide Production Cross Section



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

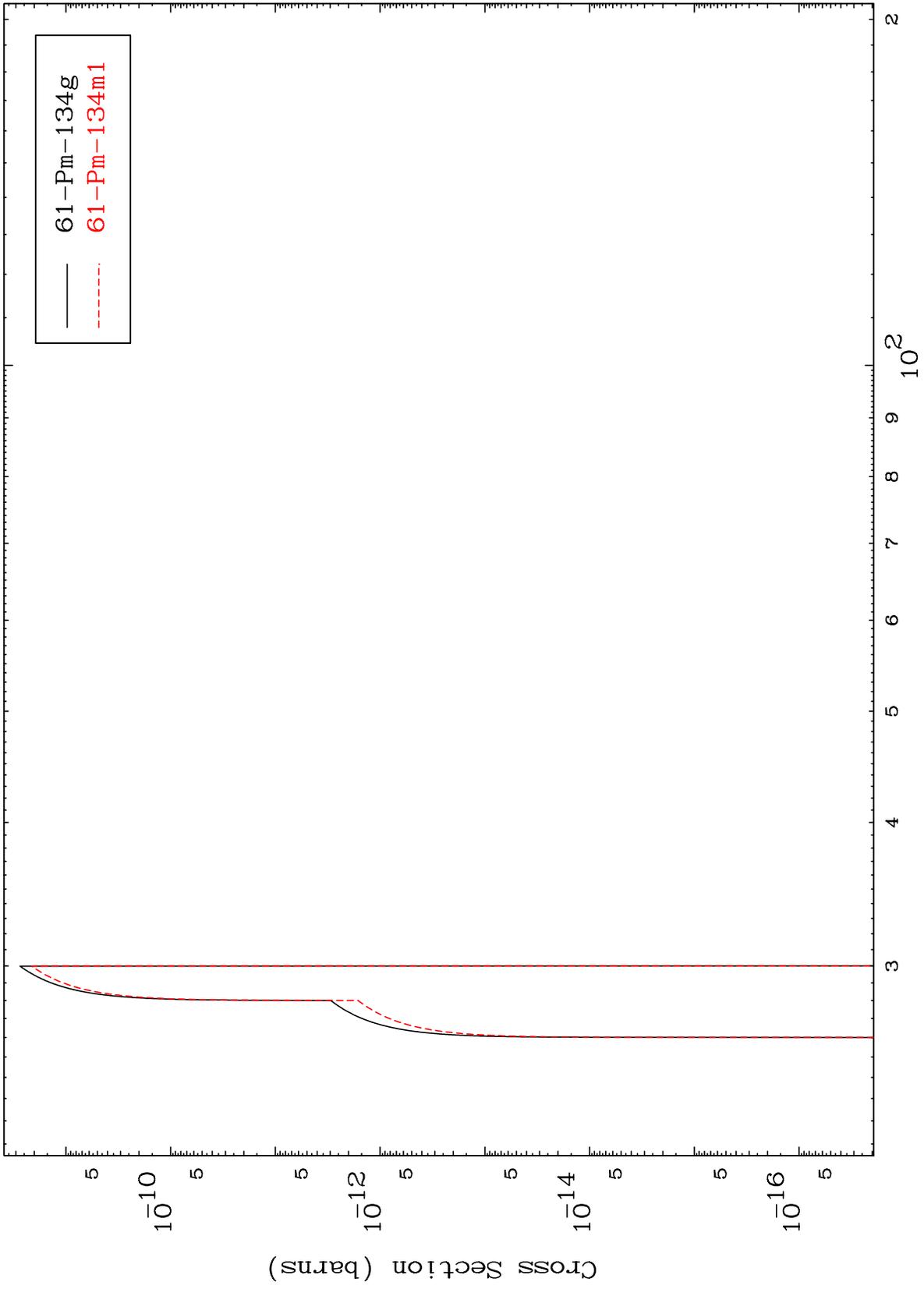
11

MAT 6116

$(\alpha, 2n) \alpha$

61-Pm-136

Radionuclide Production Cross Section



12

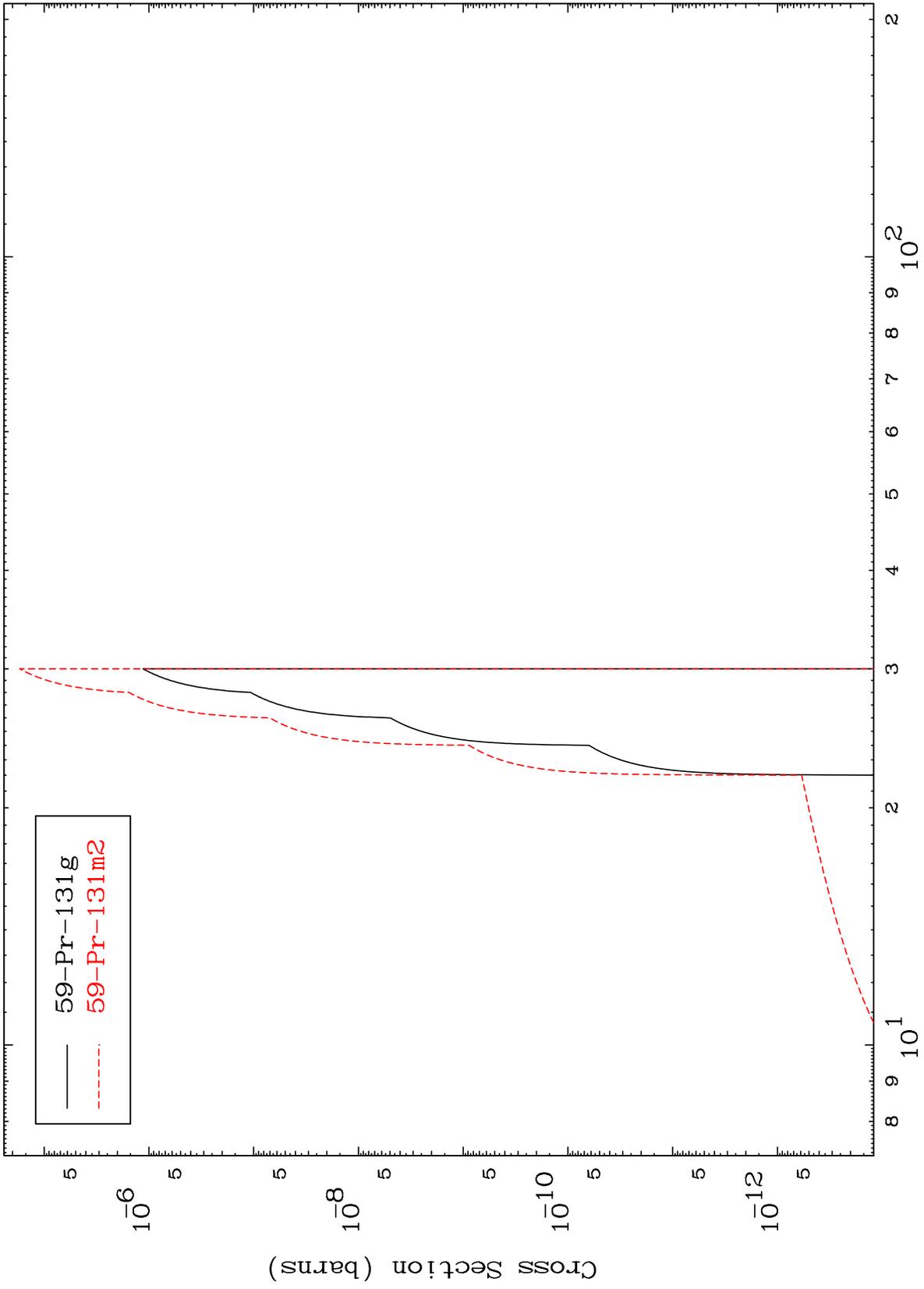
Incident Energy (MeV)

61-Pm-136

MAT 6116

61-Pm-136

( $\alpha, n'$ )  $2\alpha$   
Radionuclide Production Cross Section



13

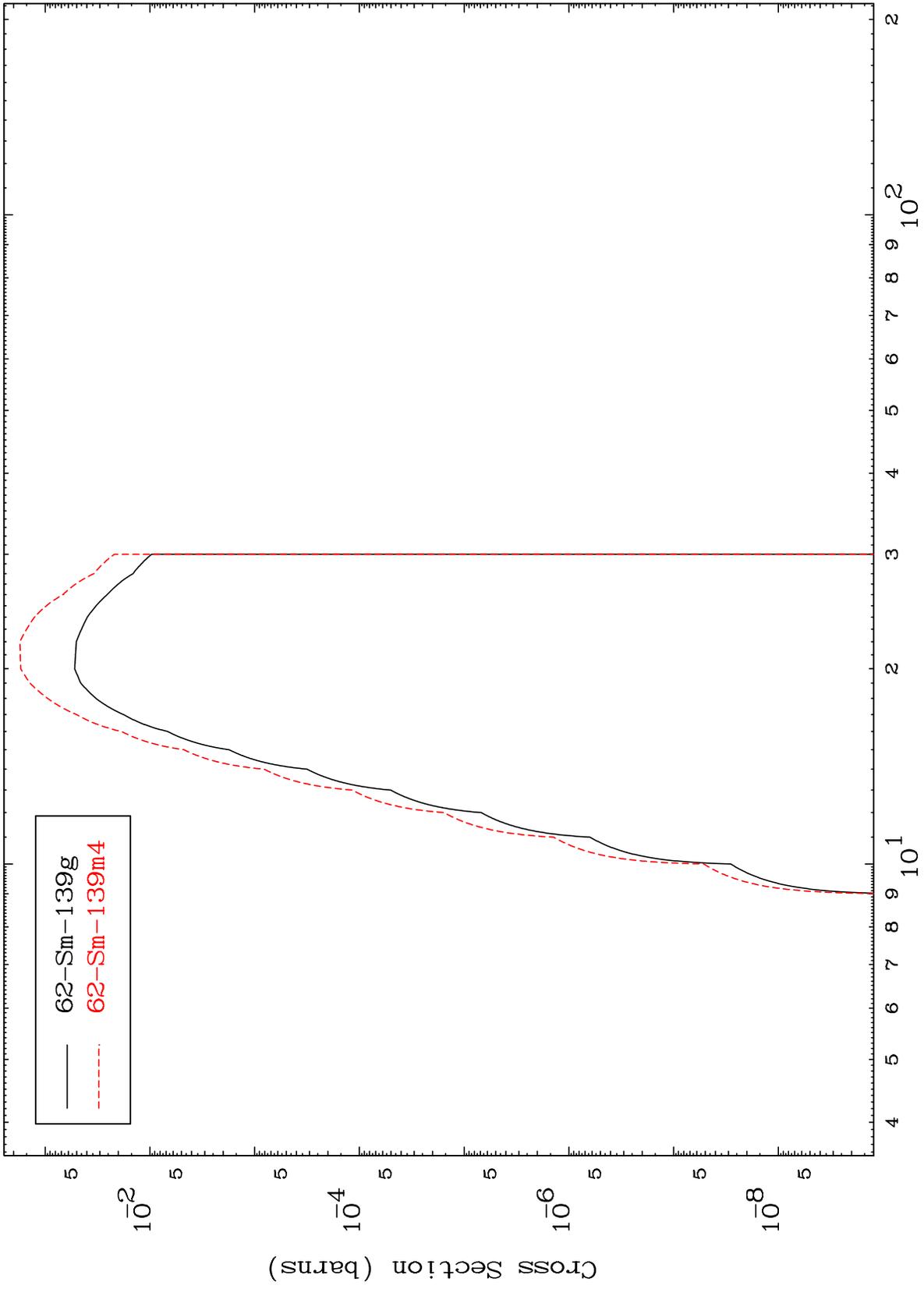
Incident Energy (MeV)

61-Pm-136

MAT 6116

61-Pm-136

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



14

Incident Energy (MeV)

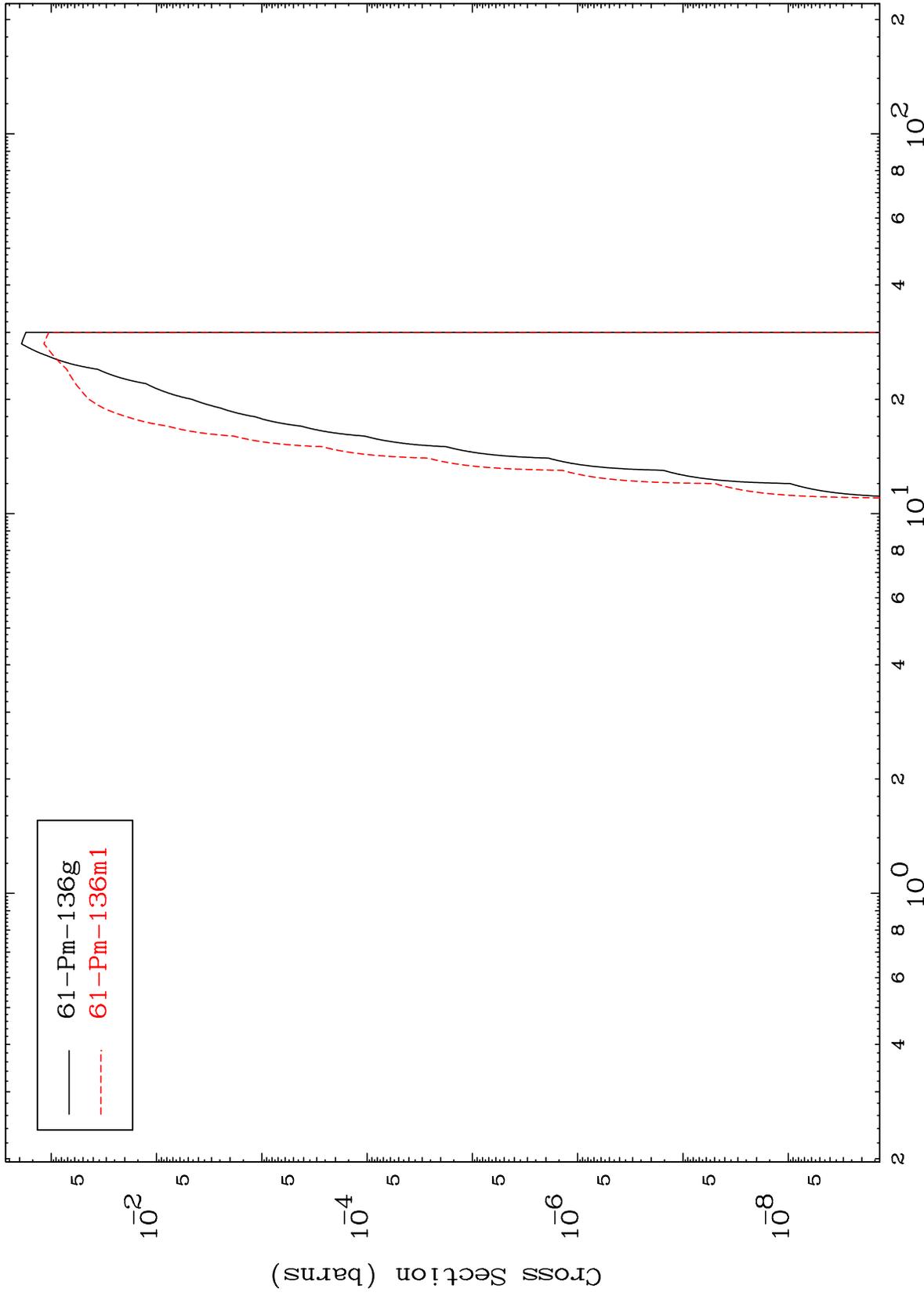
61-Pm-136

MAT 6116

( $\alpha, \alpha$ )

61-Pm-136

Radionuclide Production Cross Section



15

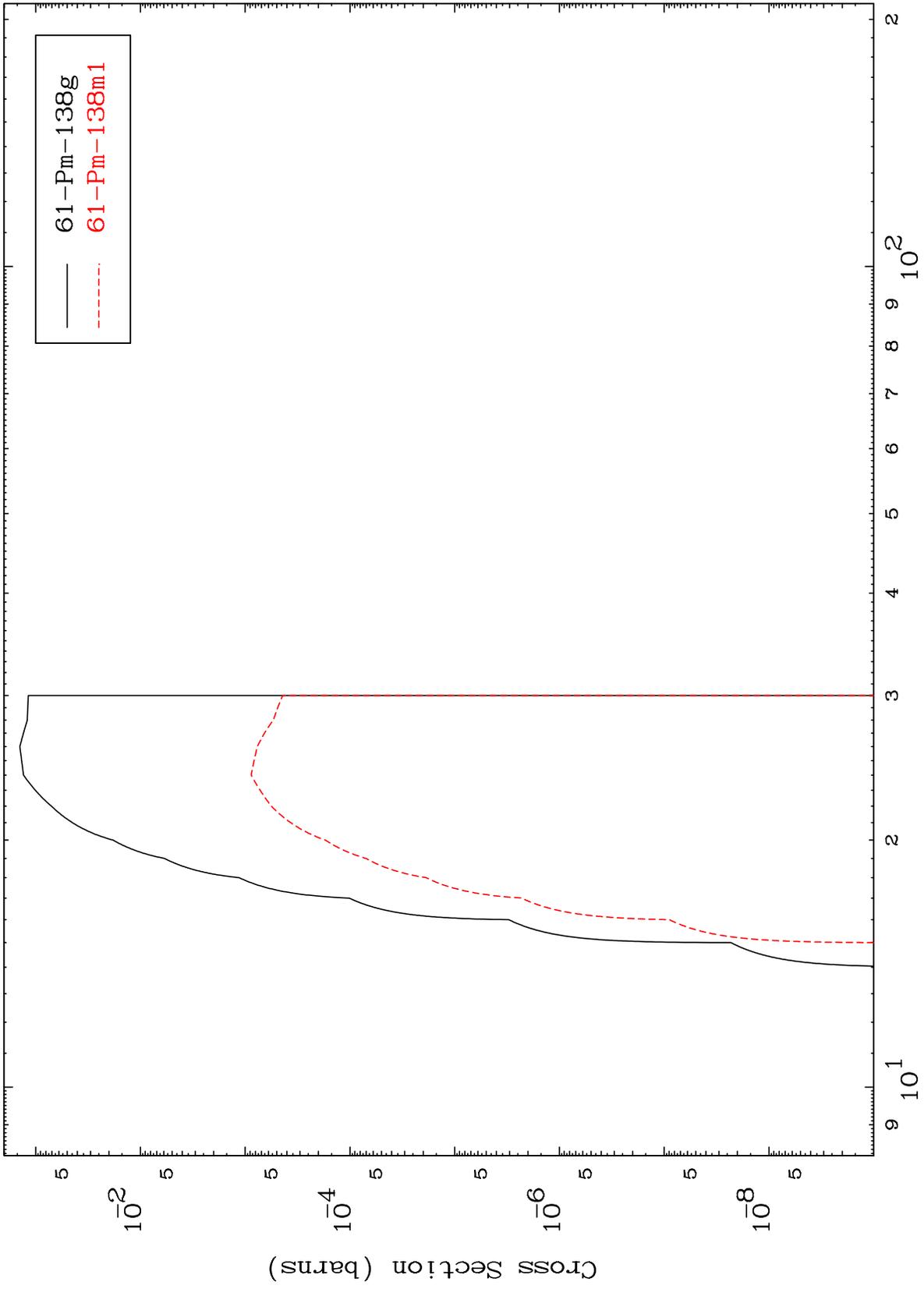
Incident Energy (MeV)

61-Pm-136

MAT 6116

61-Pm-136

Radionuclide Production Cross Section  
( $\alpha, 2p$ )



16

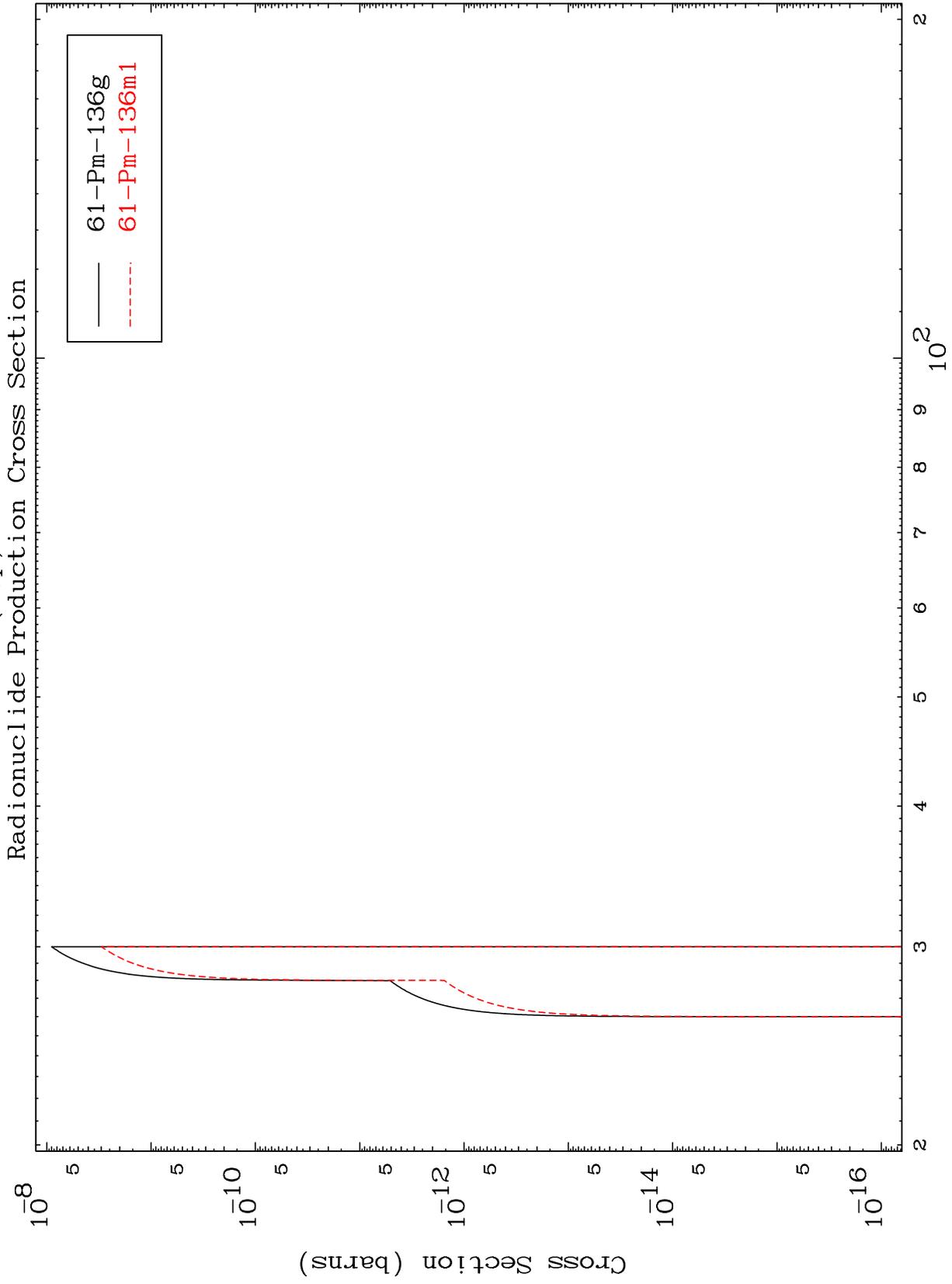
Incident Energy (MeV)

61-Pm-136

MAT 6116

( $\alpha, p$ ) t

61-Pm-136



17

Incident Energy (MeV)

61-Pm-136