

Program EVALPLOT  
(Version 2018-1)

by

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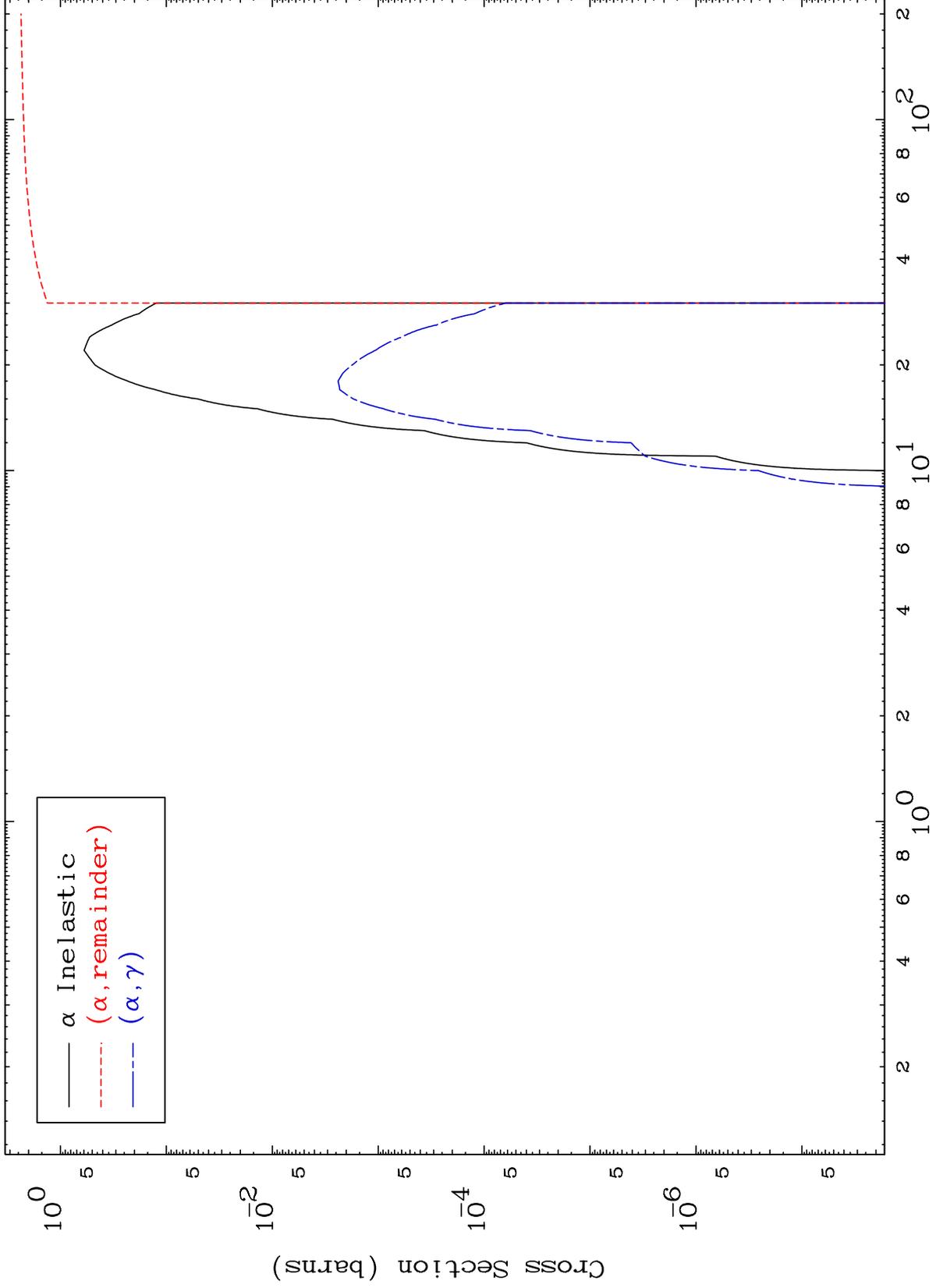
Press Mouse Button to Start

MAT 6017

$\alpha$  Major

60-Nd-139

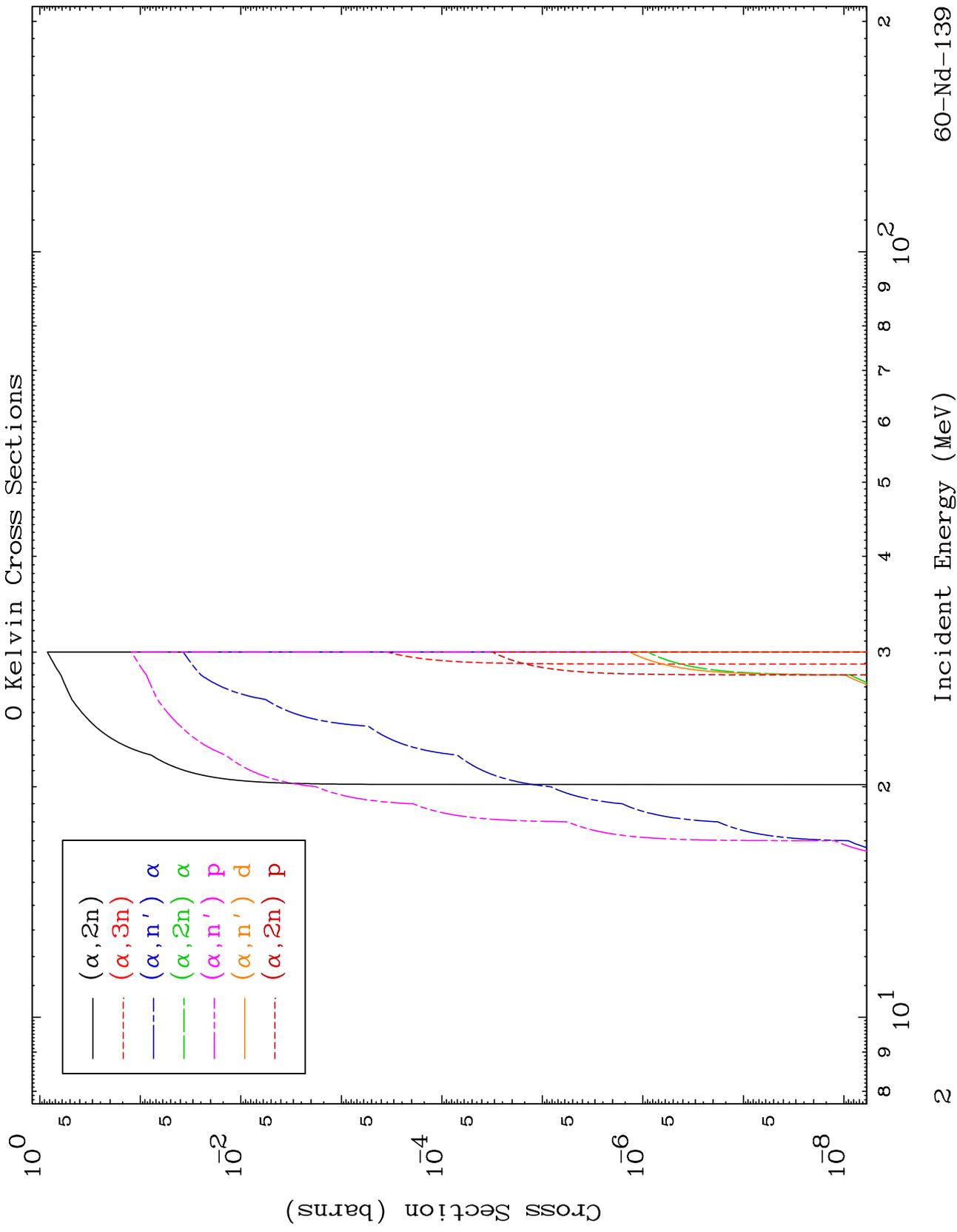
0 Kelvin Cross Sections



MAT 6017

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

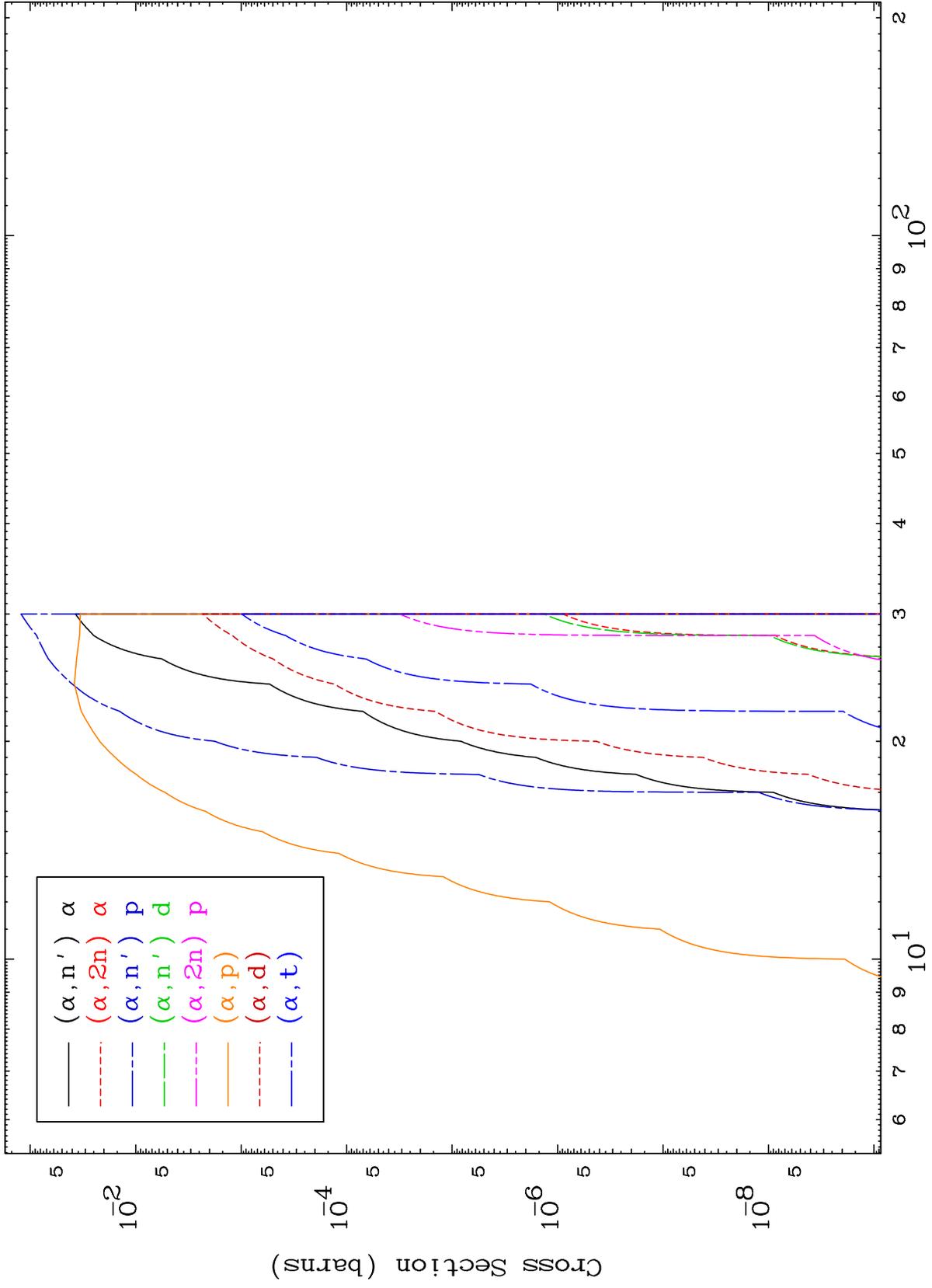
60-Nd-139



2

Incident Energy (MeV)

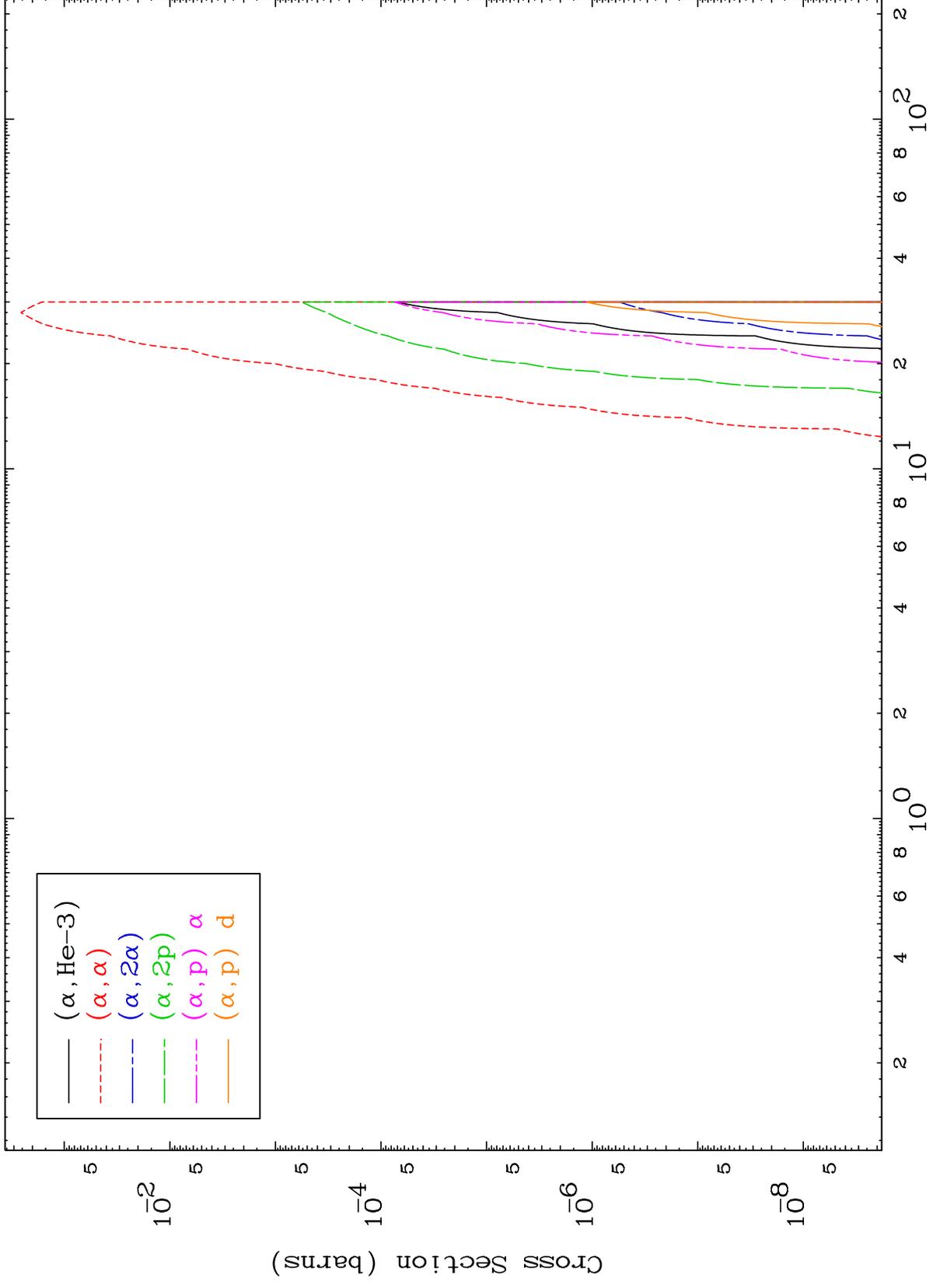
60-Nd-139



MAT 6017

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

60-Nd-139



Incident Energy (MeV)

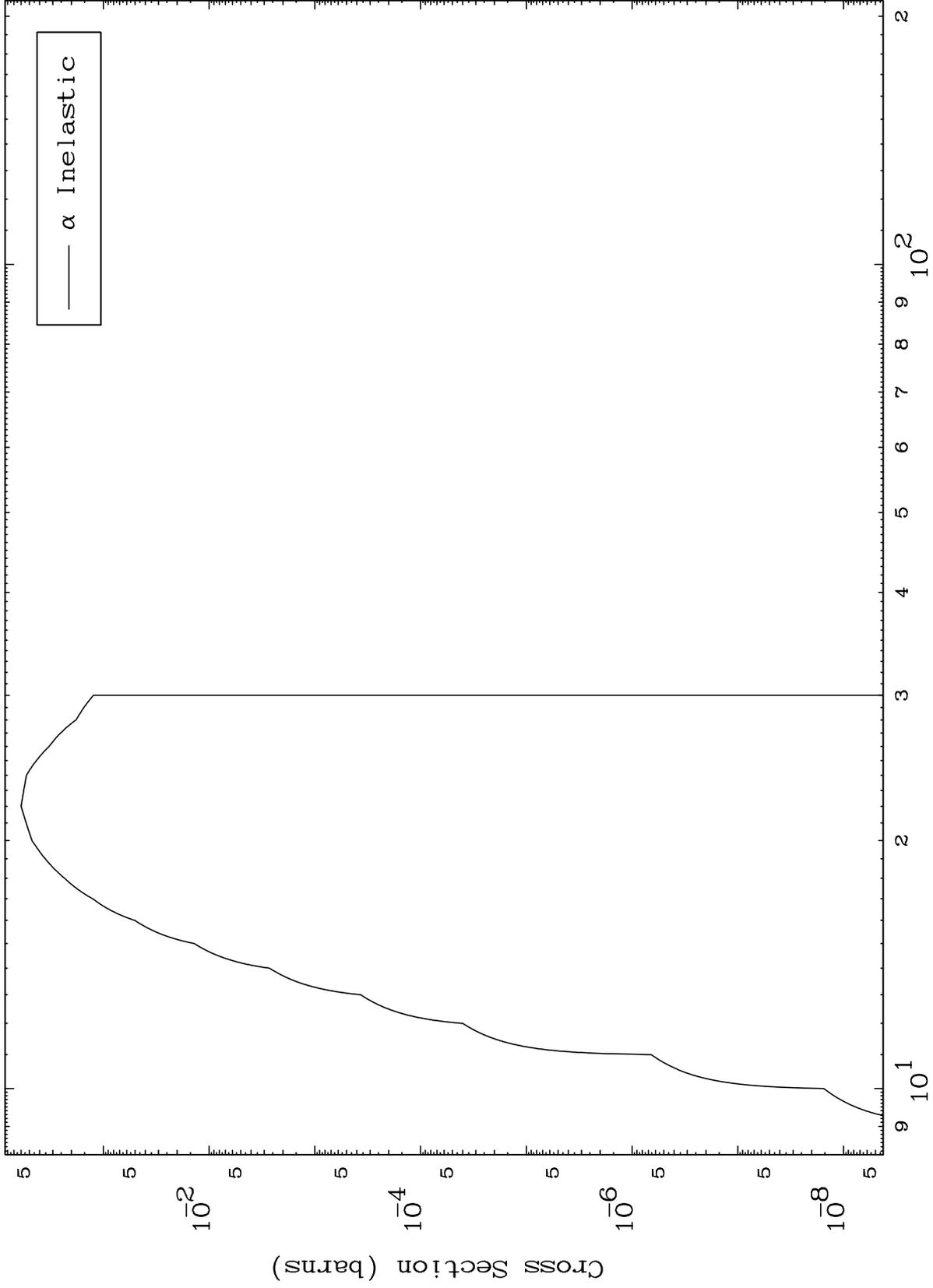
60-Nd-139

MAT 6017

( $\alpha, n'$ ) Level

60-Nd-139

0 Kelvin Cross Sections



5

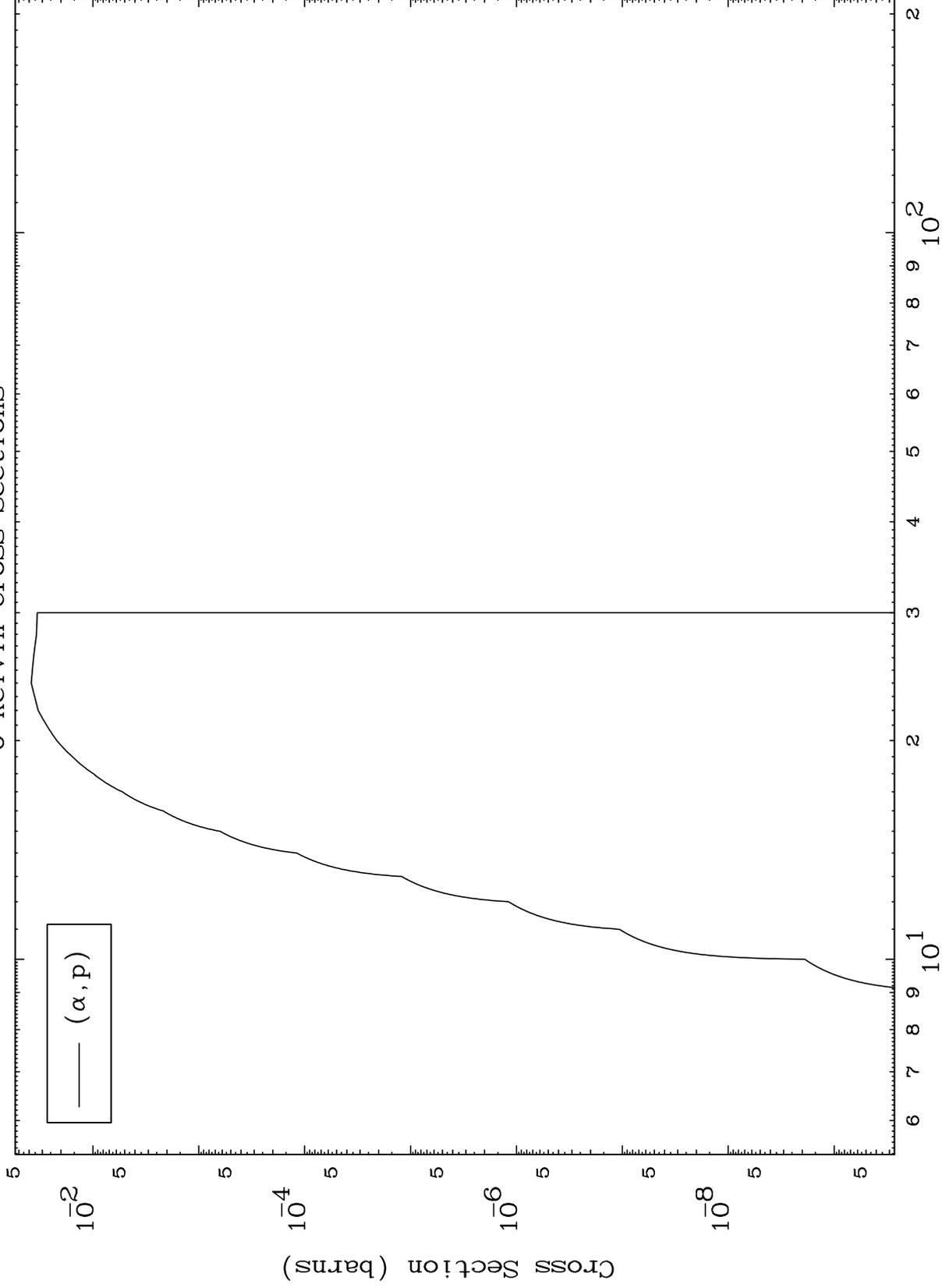
Incident Energy (MeV)

60-Nd-139

MAT 6017

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

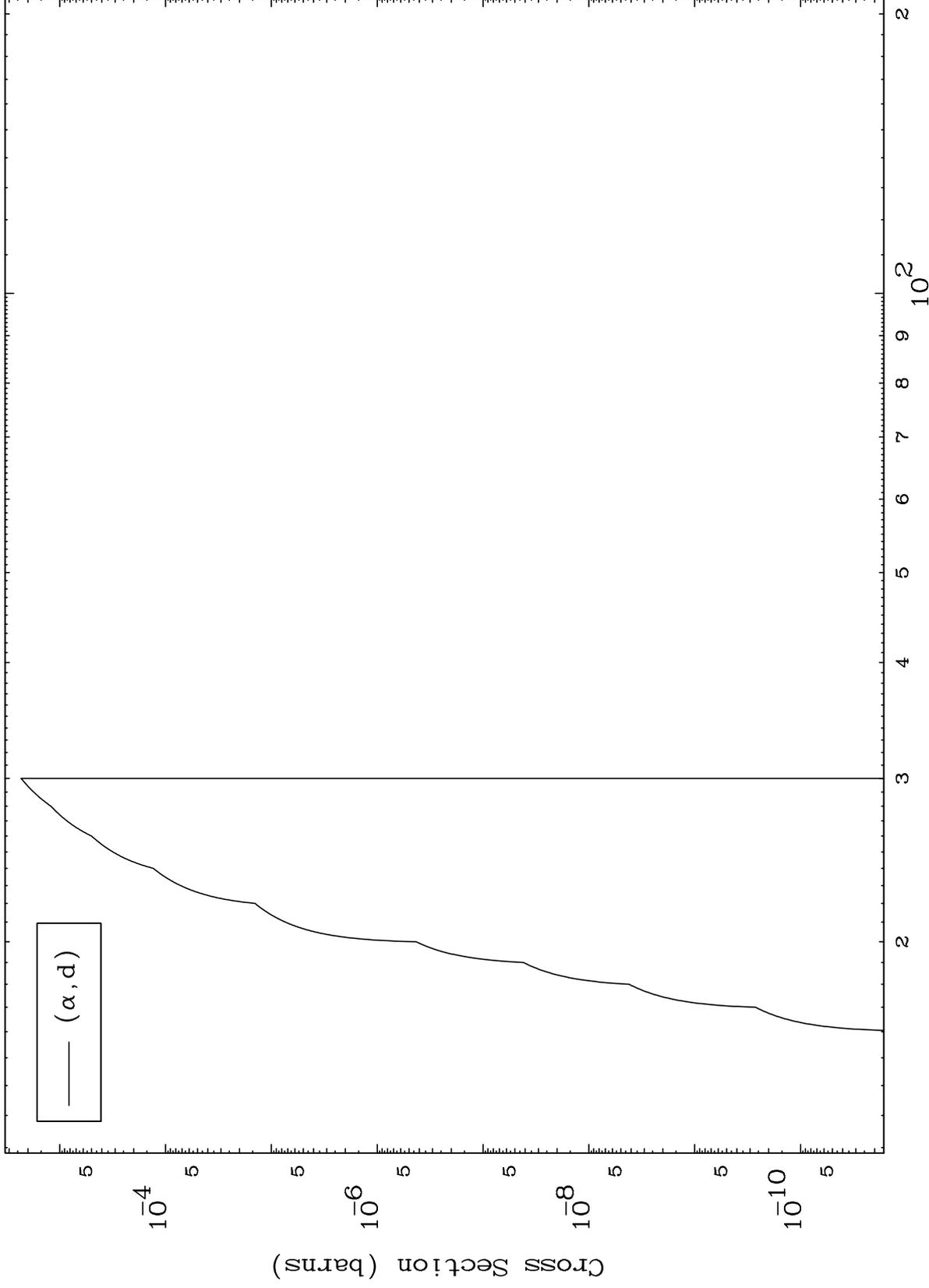
60-Nd-139

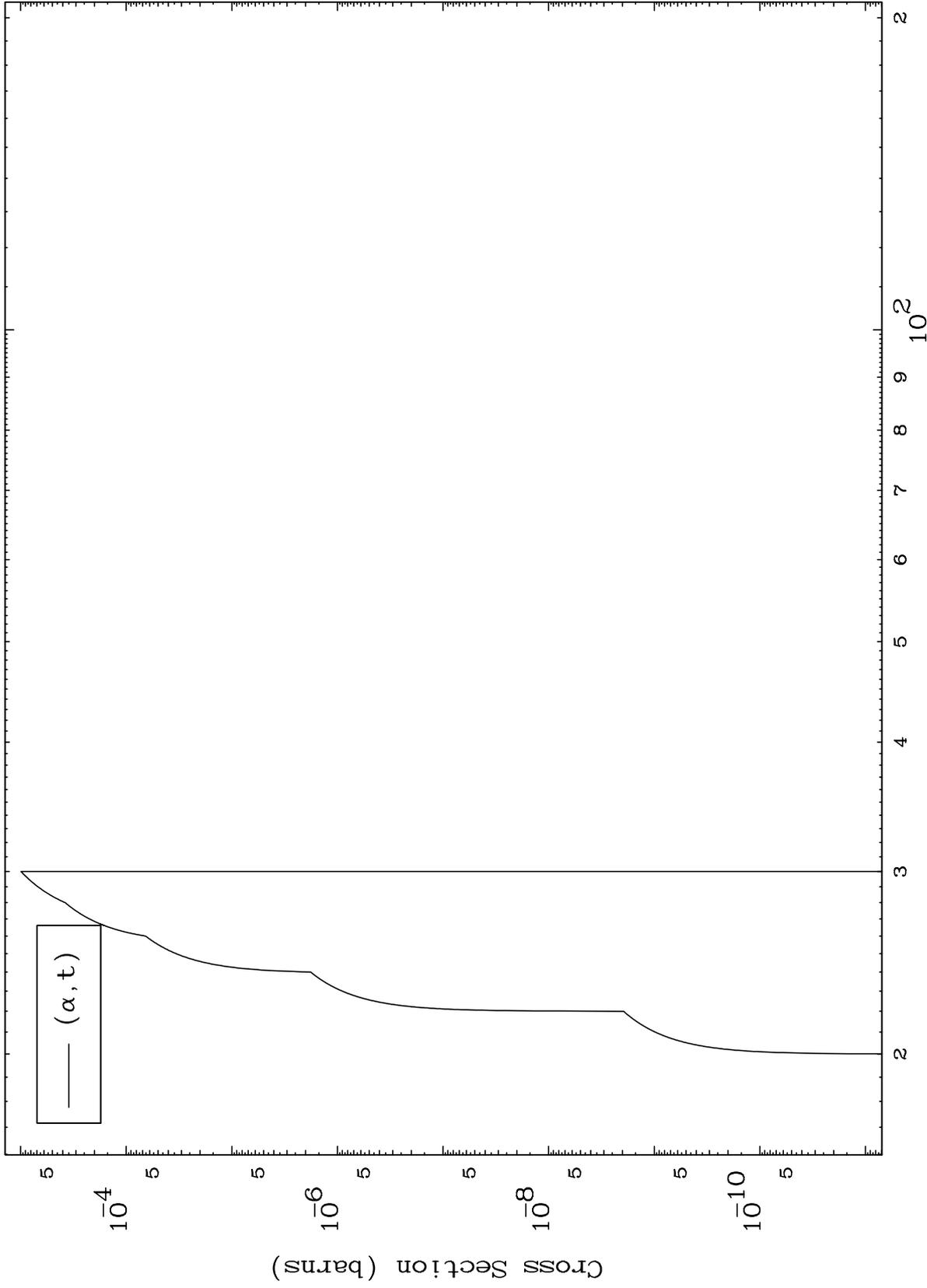


6

Incident Energy (MeV)

60-Nd-139

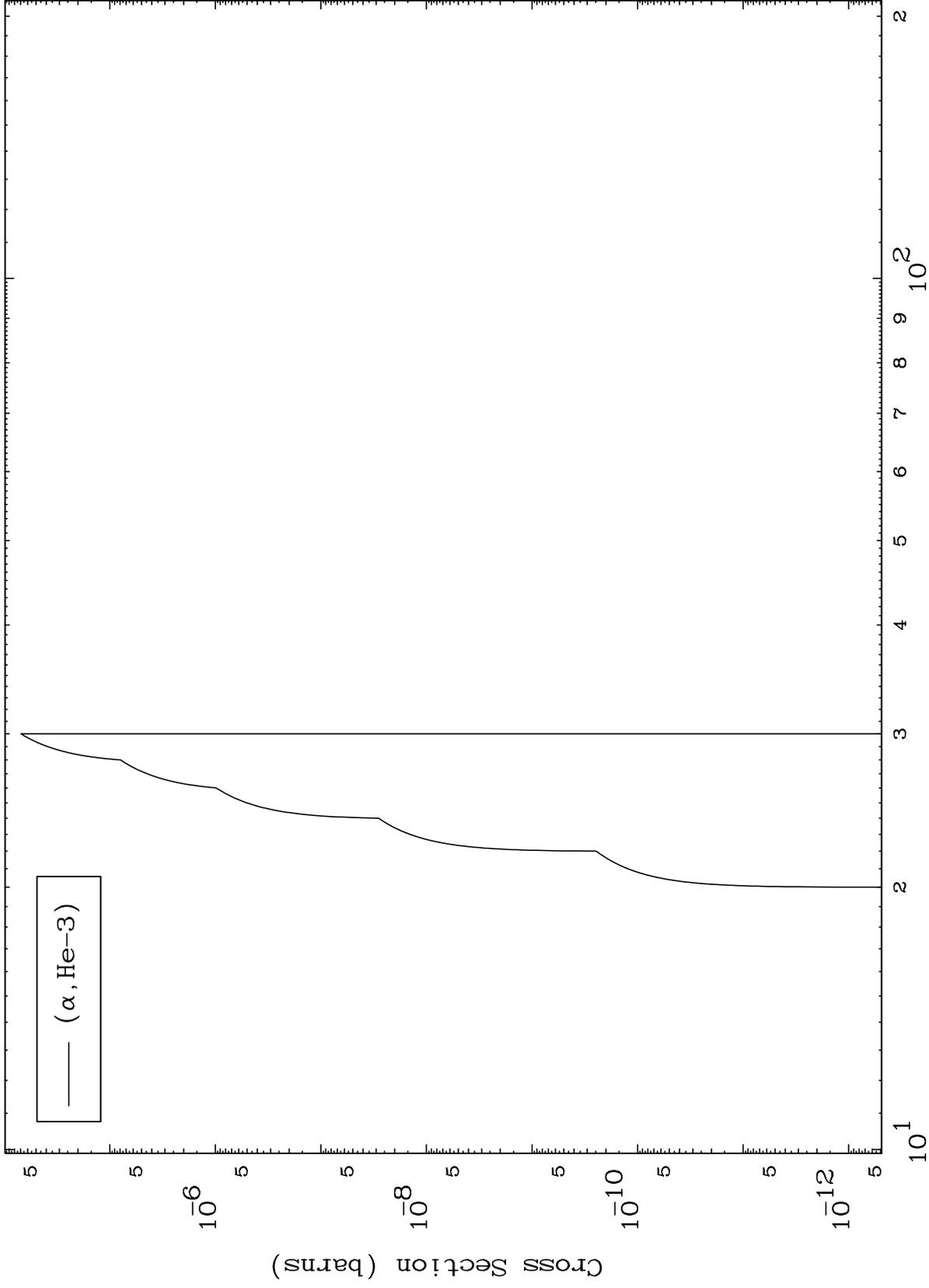




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( $\alpha$ ,He3) Levels  
0 Kelvin Cross Sections

60-Nd-139



Incident Energy (MeV)

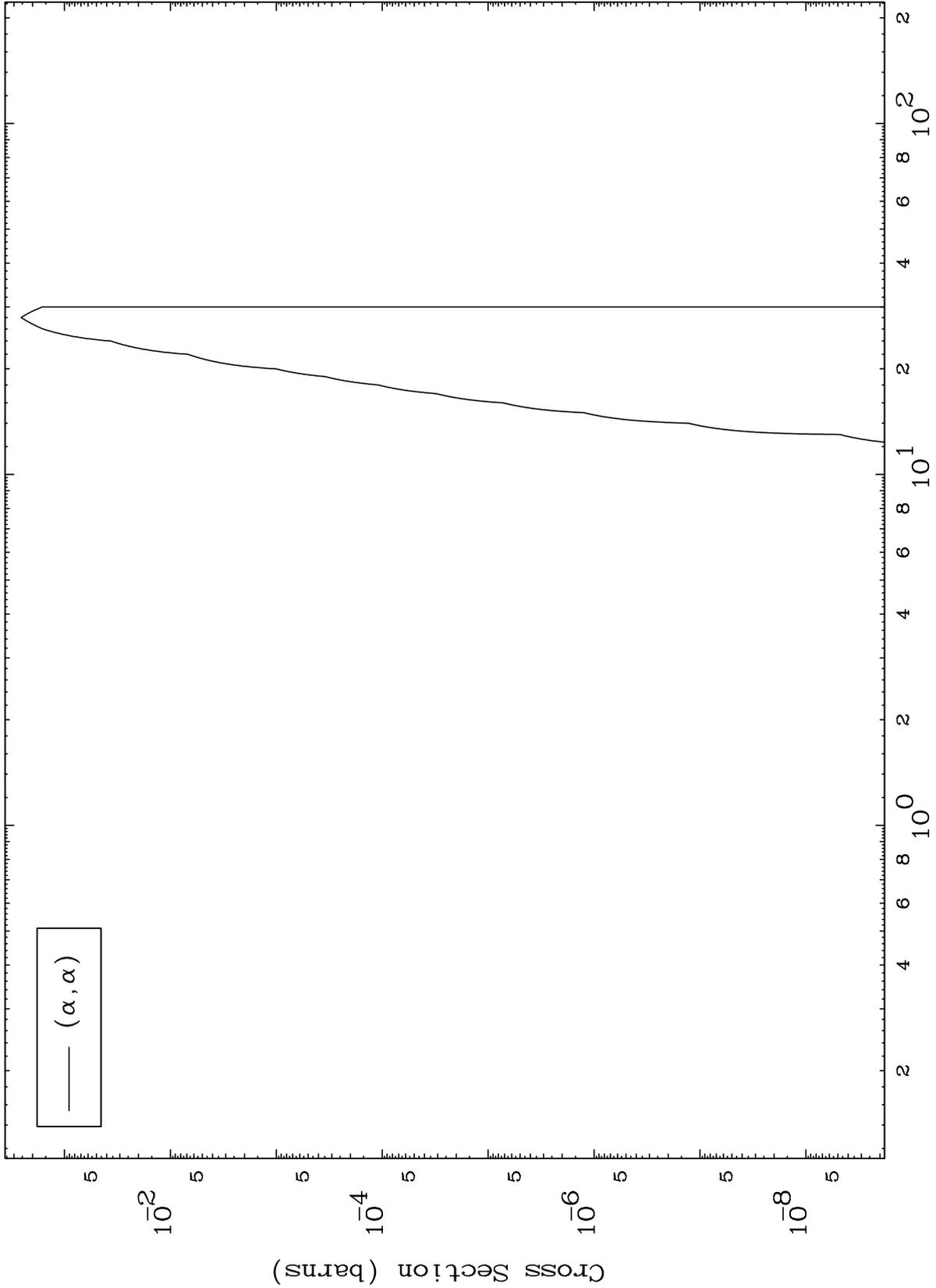
60-Nd-139

MAT 6017

( $\alpha, \alpha$ ) Levels

60-Nd-139

0 Kelvin Cross Sections



10

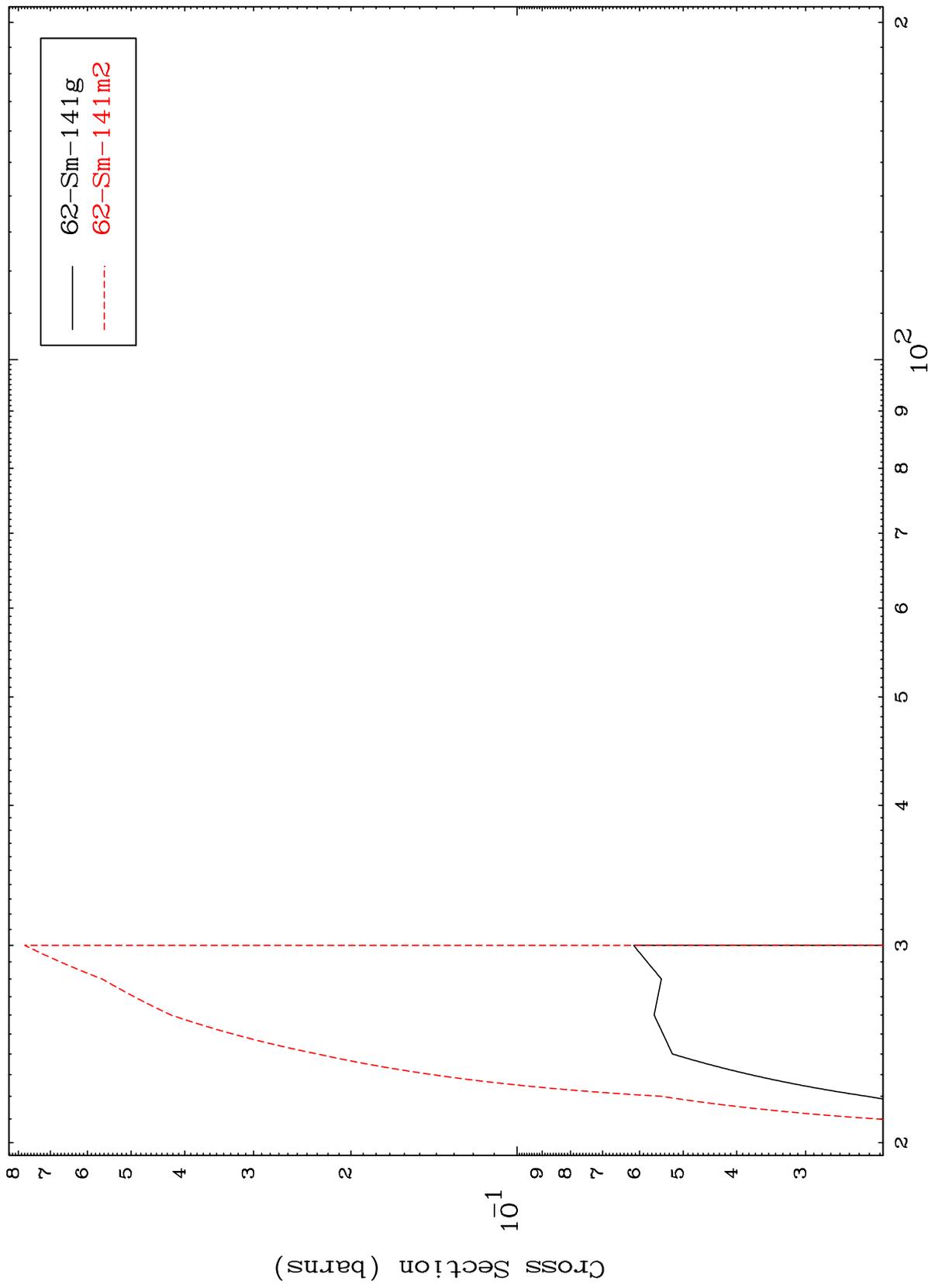
Incident Energy (MeV)

60-Nd-139

MAT 6017

60-Nd-139

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



60-Nd-139

Incident Energy (MeV)

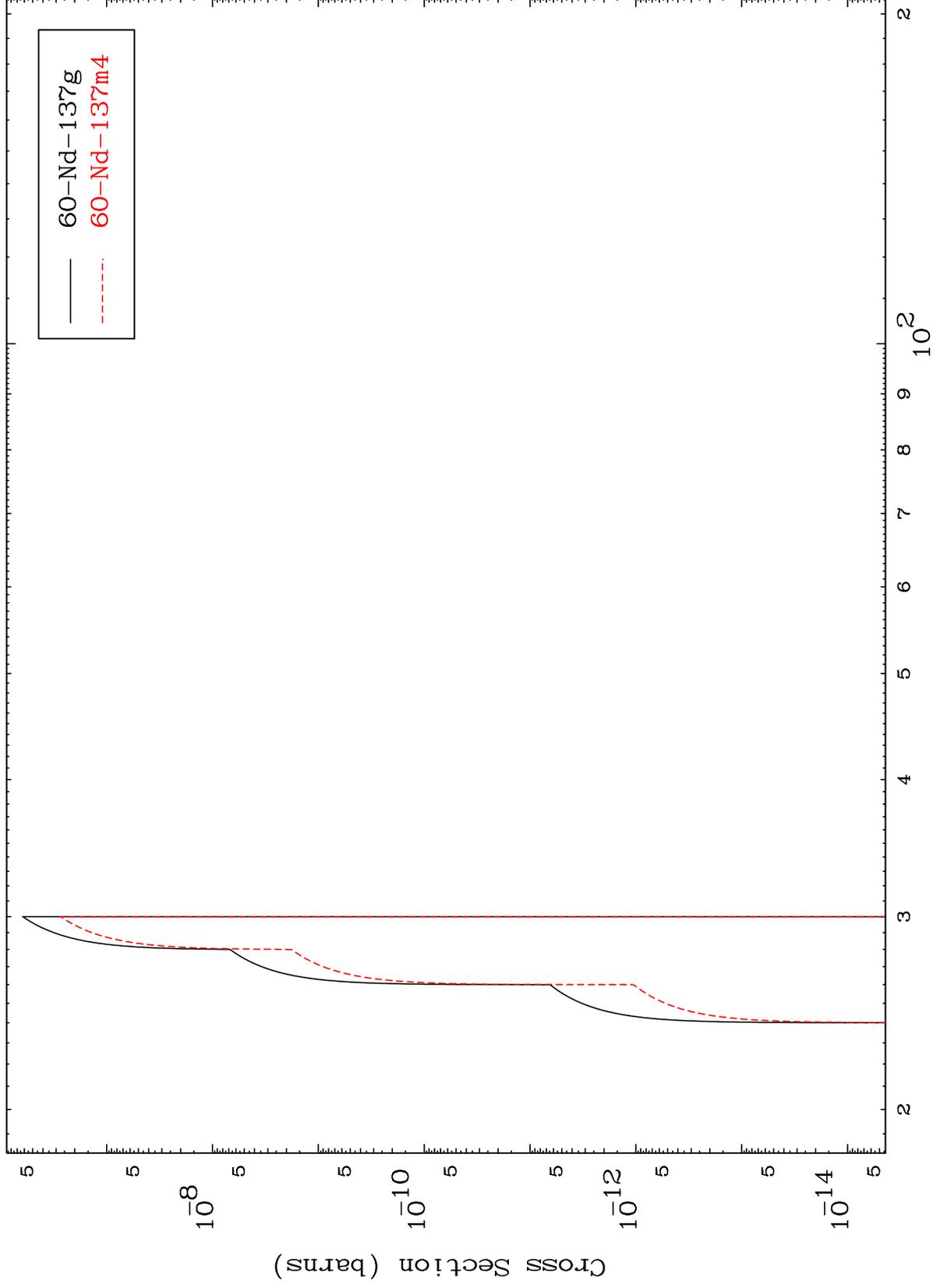
11

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$(\alpha, 2n) \alpha$

$^{60}\text{Nd-139}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

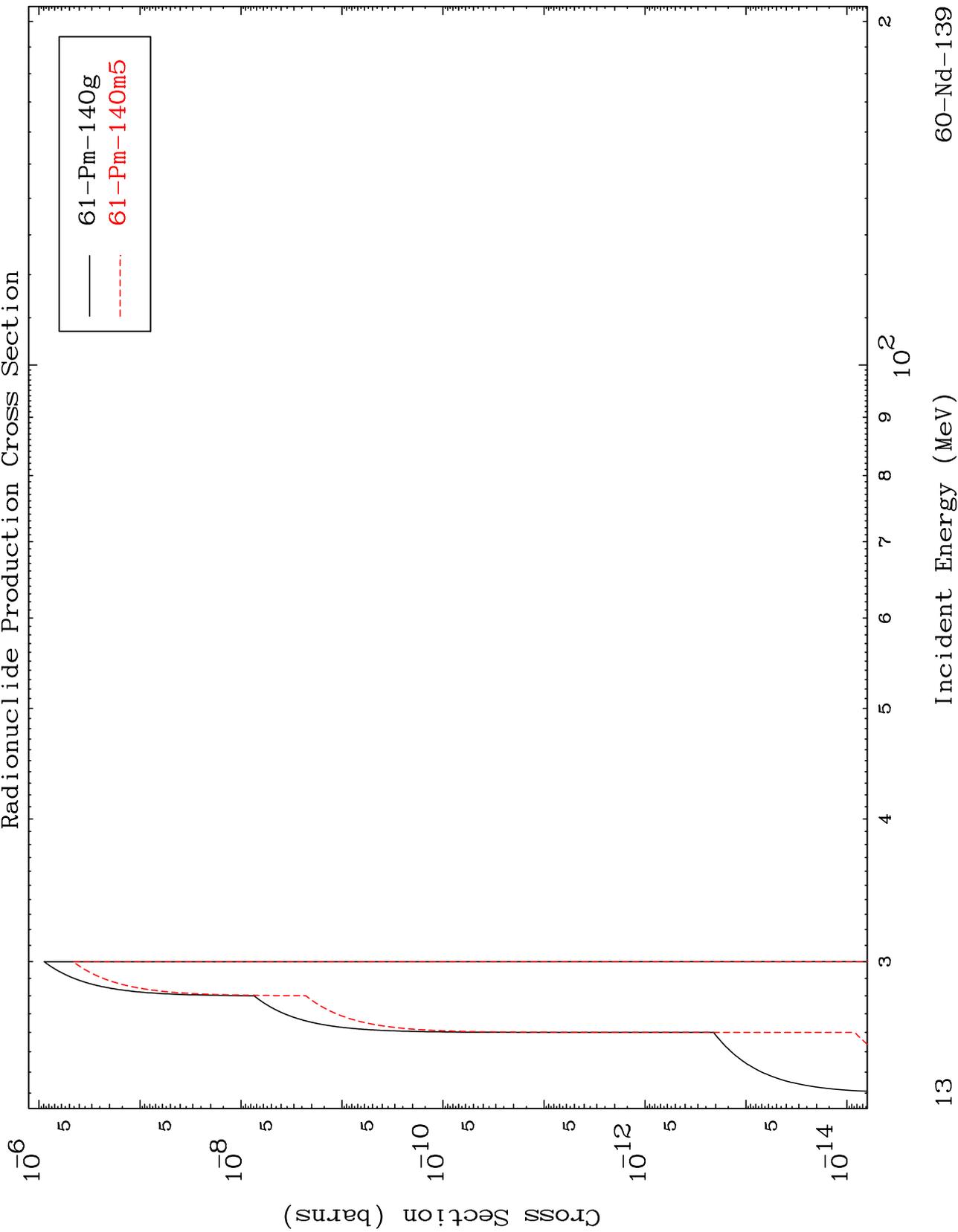
$^{60}\text{Nd-139}$

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$(\alpha, n')$  d

60-Nd-139

Radionuclide Production Cross Section



13

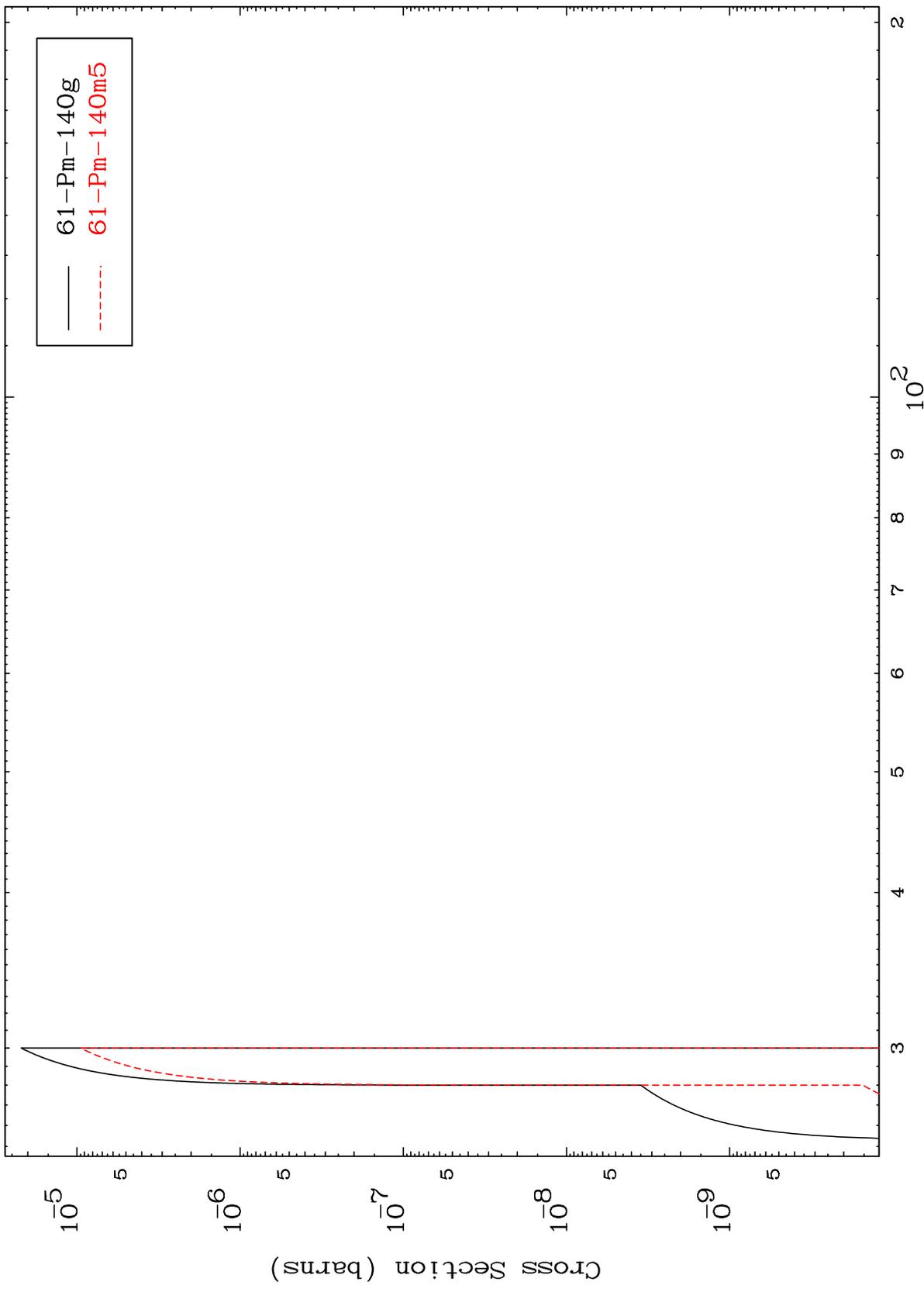
Incident Energy (MeV)

60-Nd-139

MAT 6017

60-Nd-139

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



60-Nd-139

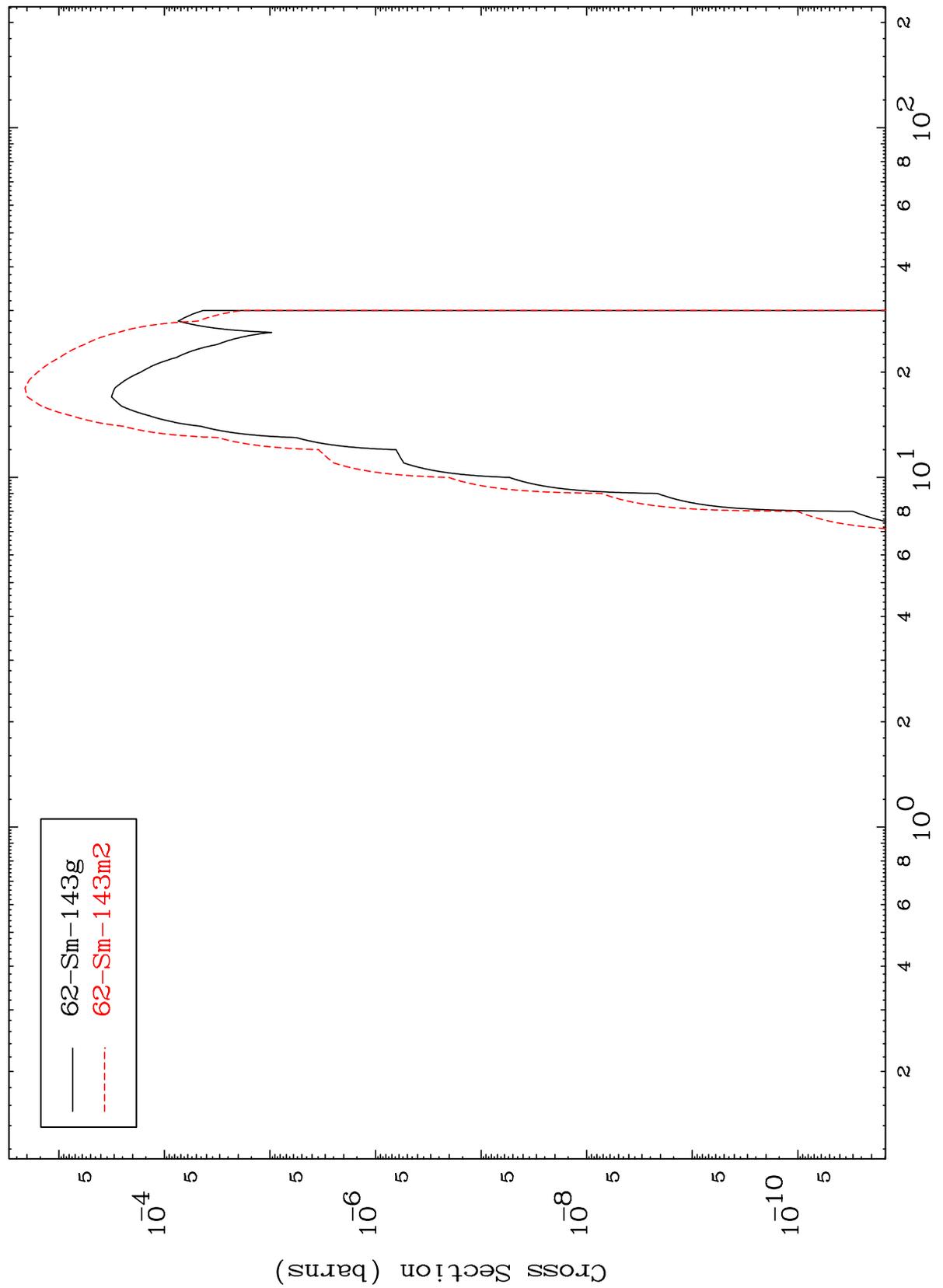
Incident Energy (MeV)

14

MAT 6017

60-Nd-139

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



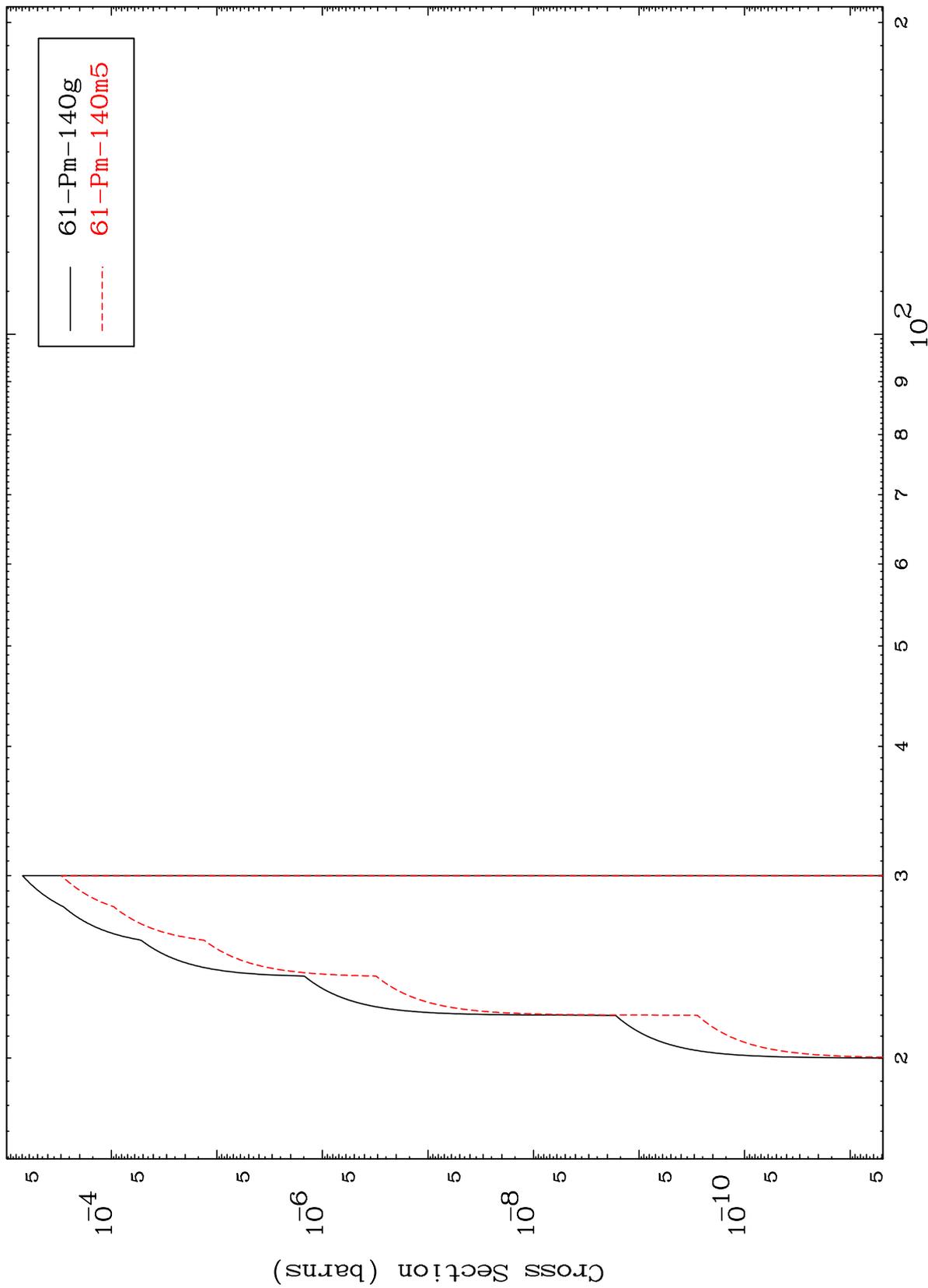
— 62-Sm-143g  
- - - 62-Sm-143m2

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( $\alpha, t$ )

60-Nd-139

Radionuclide Production Cross Section



16

Incident Energy (MeV)

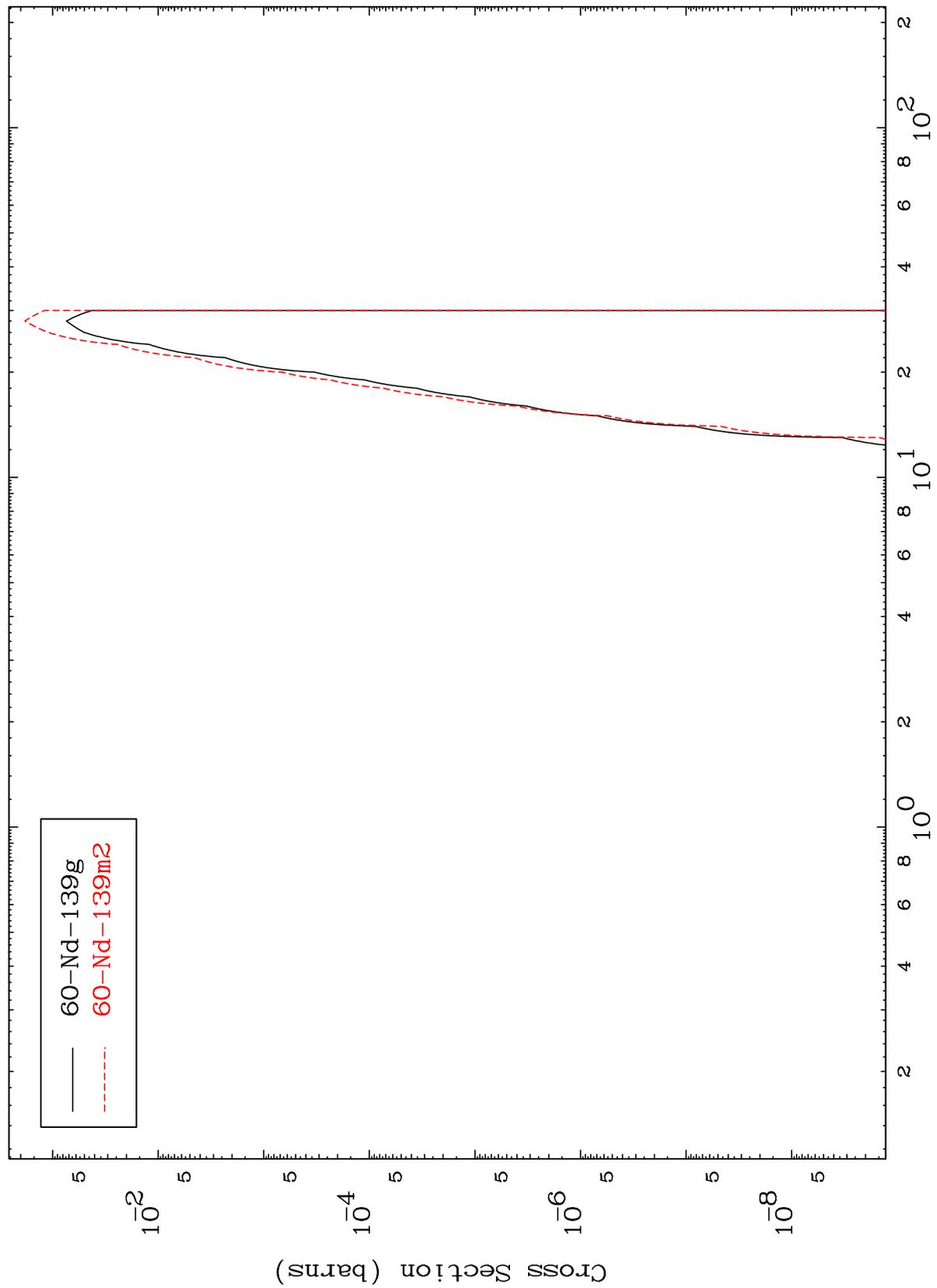
60-Nd-139

MAT 6017

60-Nd-139

( $\alpha, \alpha$ )

Radionuclide Production Cross Section

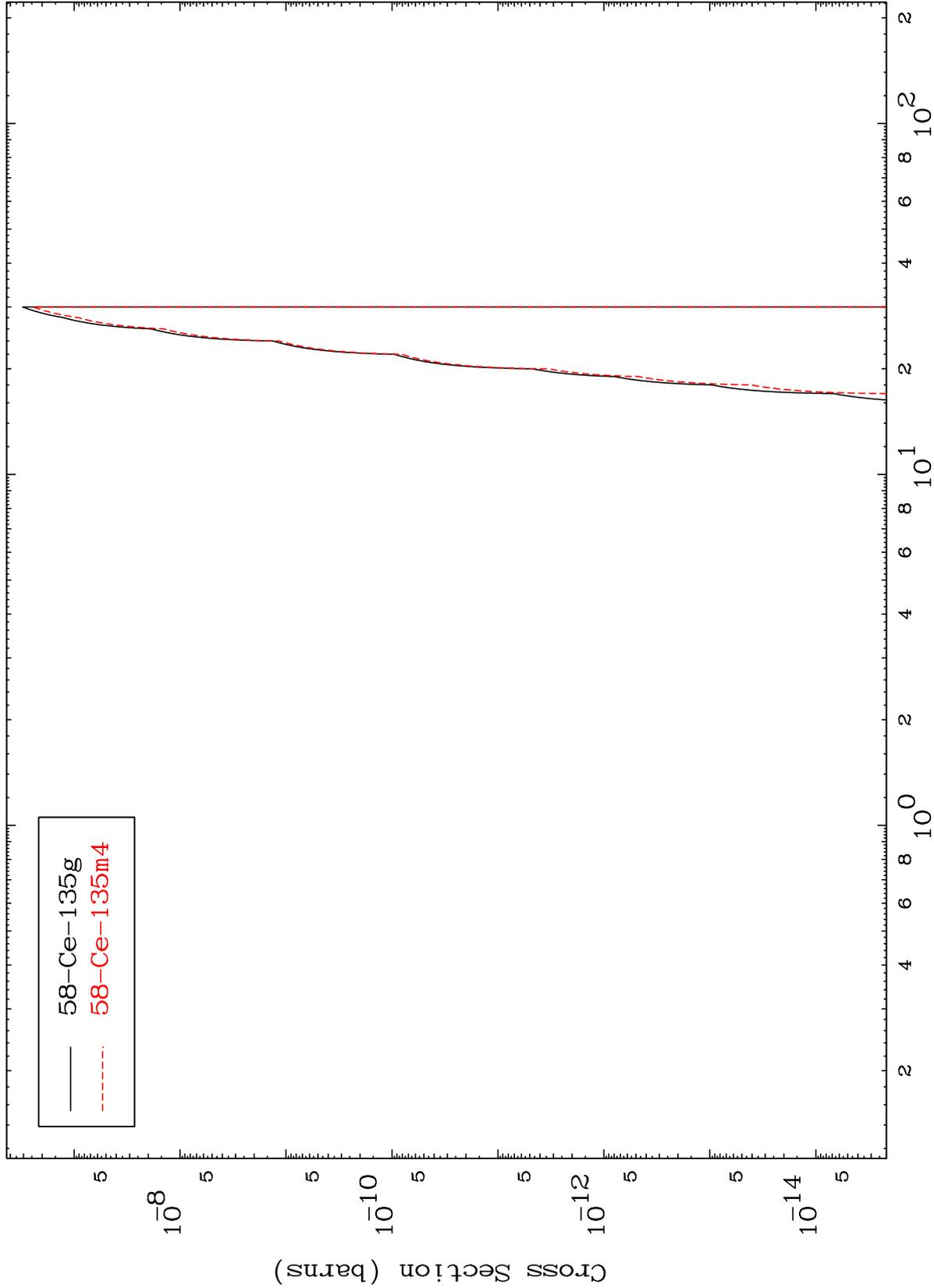


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( $\alpha, 2\alpha$ )

60-Nd-139

Radionuclide Production Cross Section



18

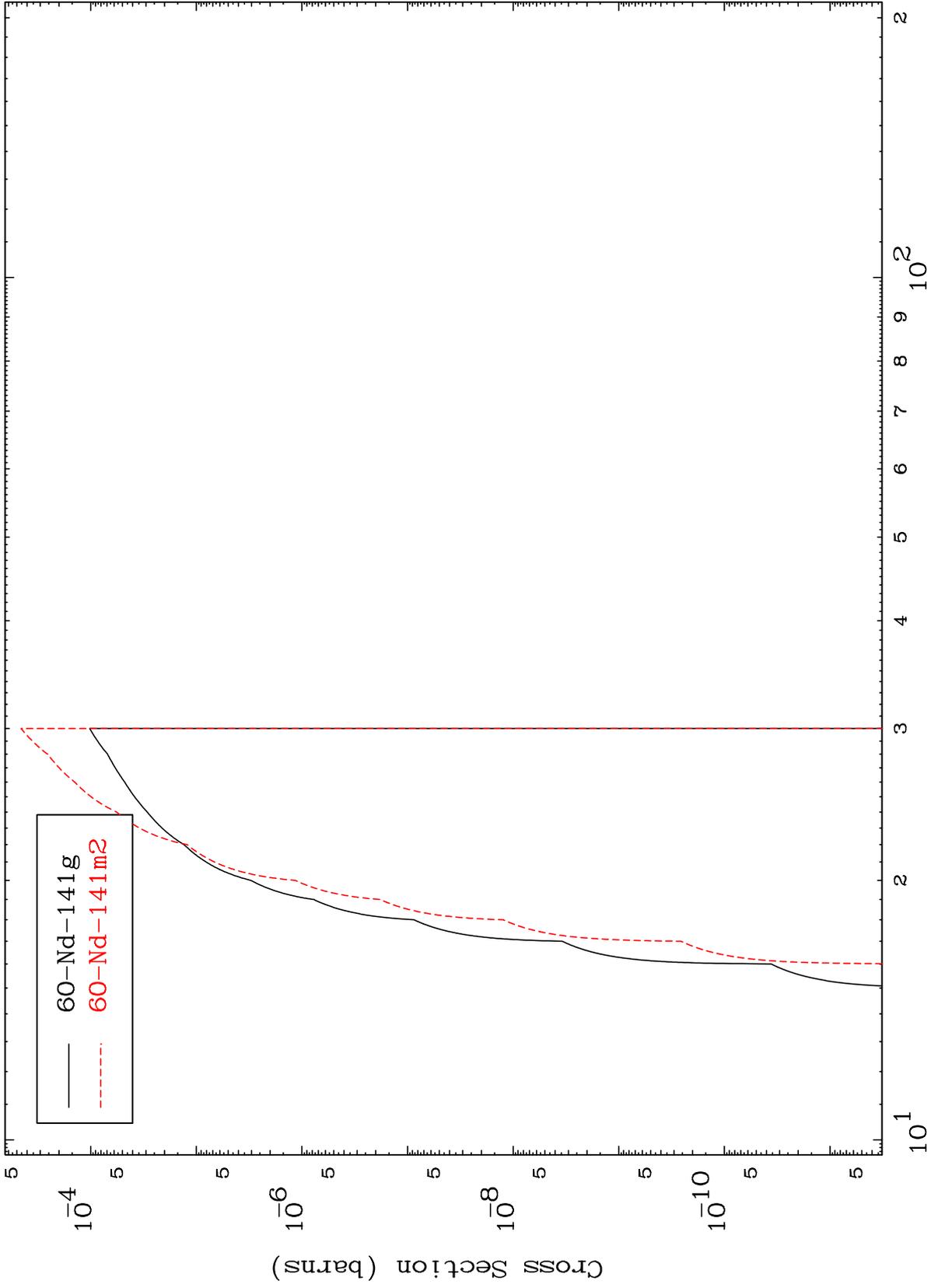
Incident Energy (MeV)

60-Nd-139

MAT 6017

60-Nd-139

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



60-Nd-139

Incident Energy (MeV)

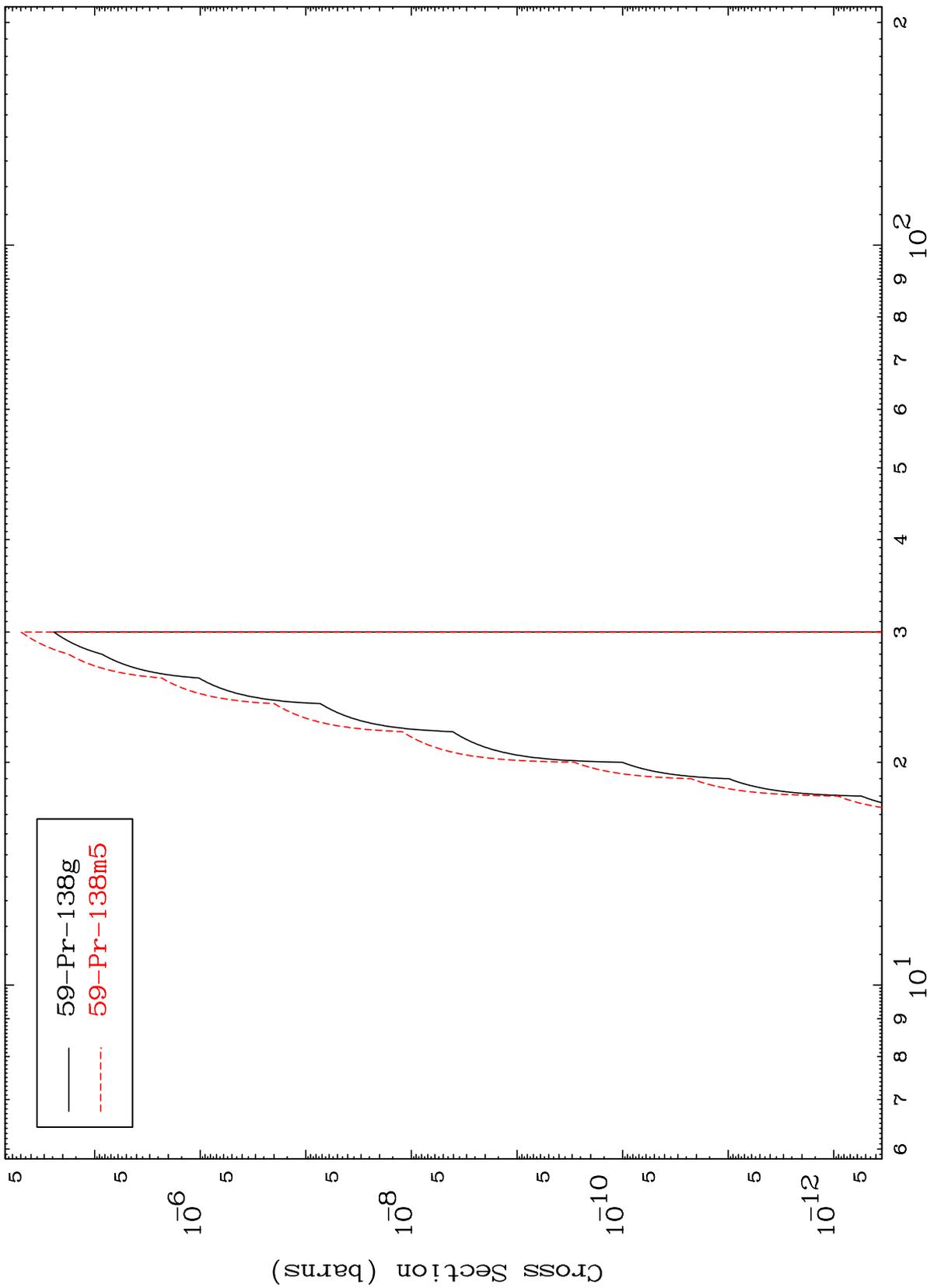
19

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$(\alpha, p) \alpha$

60-Nd-139

Radionuclide Production Cross Section



20

Incident Energy (MeV)

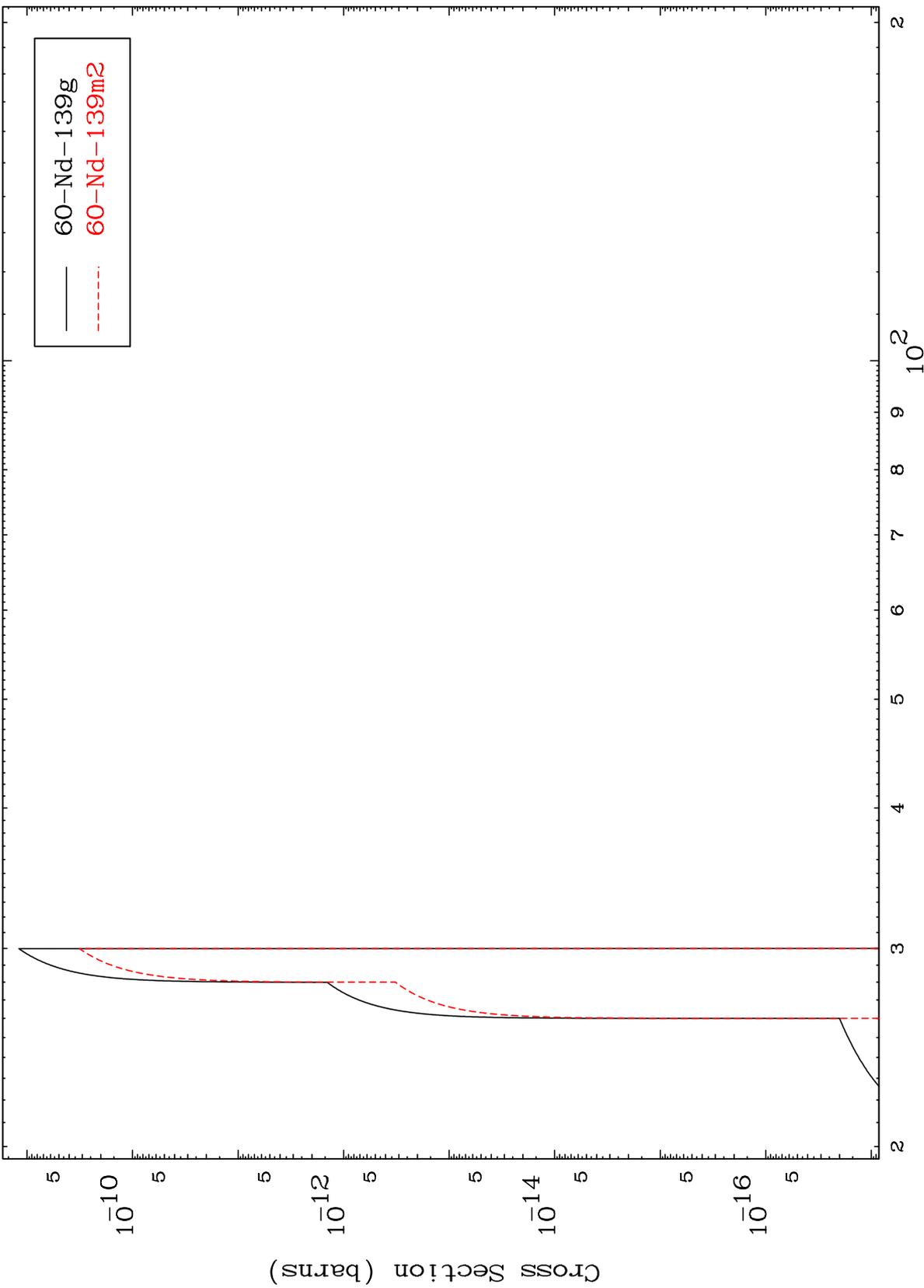
60-Nd-139

MAT 6017

( $\alpha, p$ ) t

$^{60}\text{Nd-139}$

Radionuclide Production Cross Section



21

Incident Energy (MeV)

$^{60}\text{Nd-139}$