

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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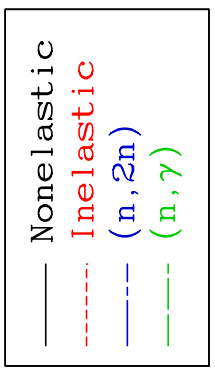
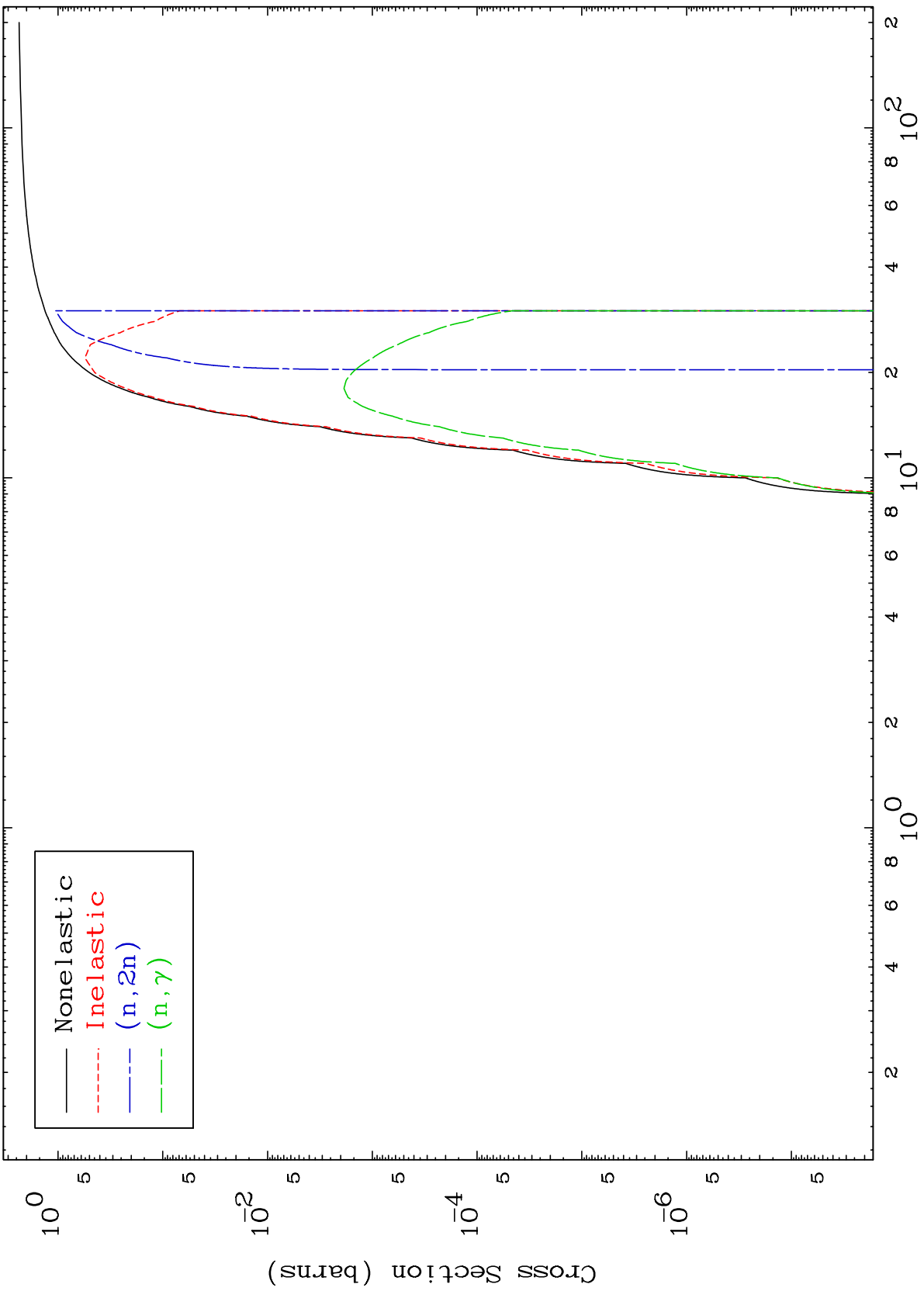
Press Mouse Button to Start

MAT 6016

$\alpha$  Major

60-Nd-139

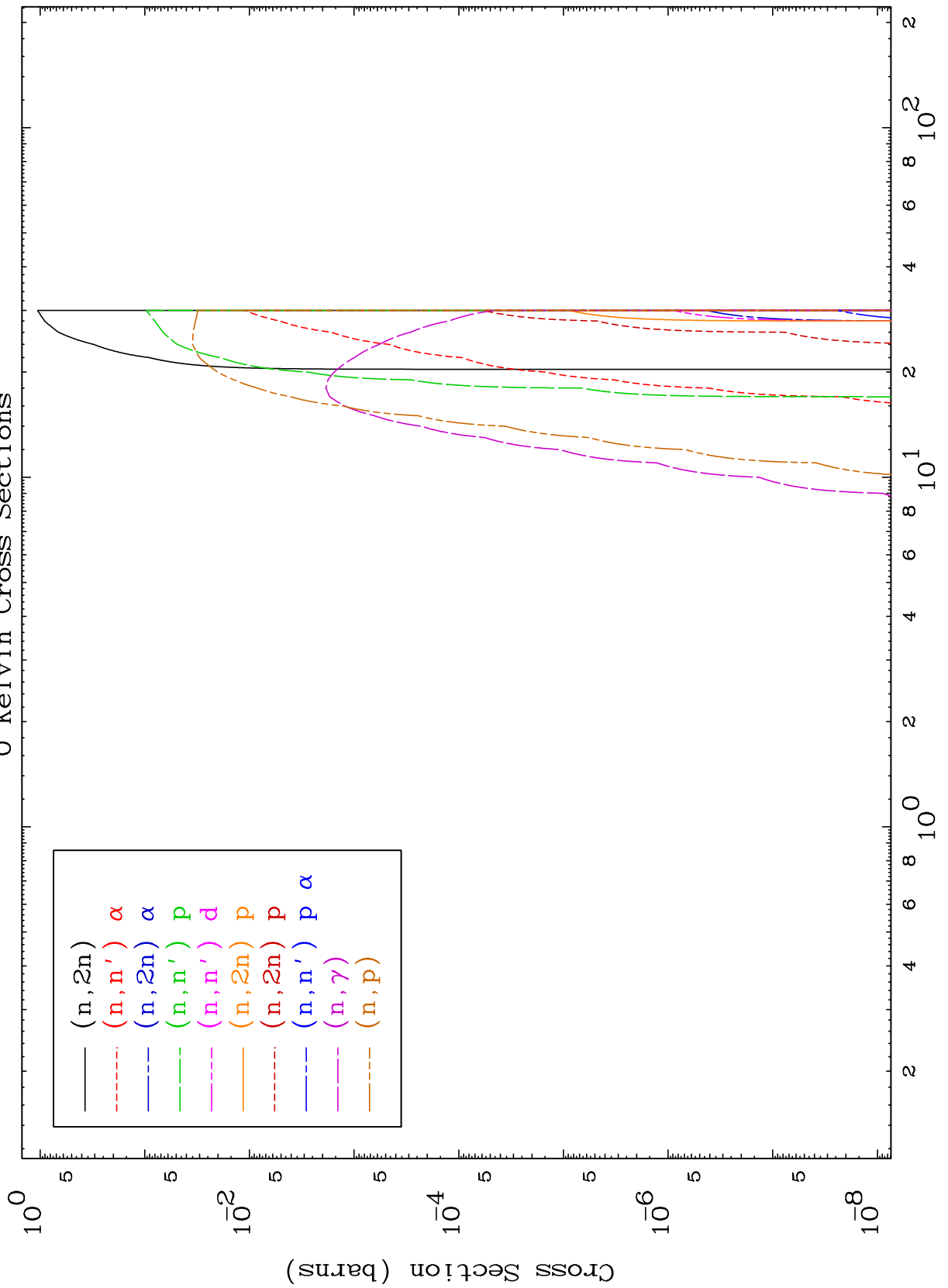
0 Kelvin Cross Sections



MAT 6016

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

60-Nd-139



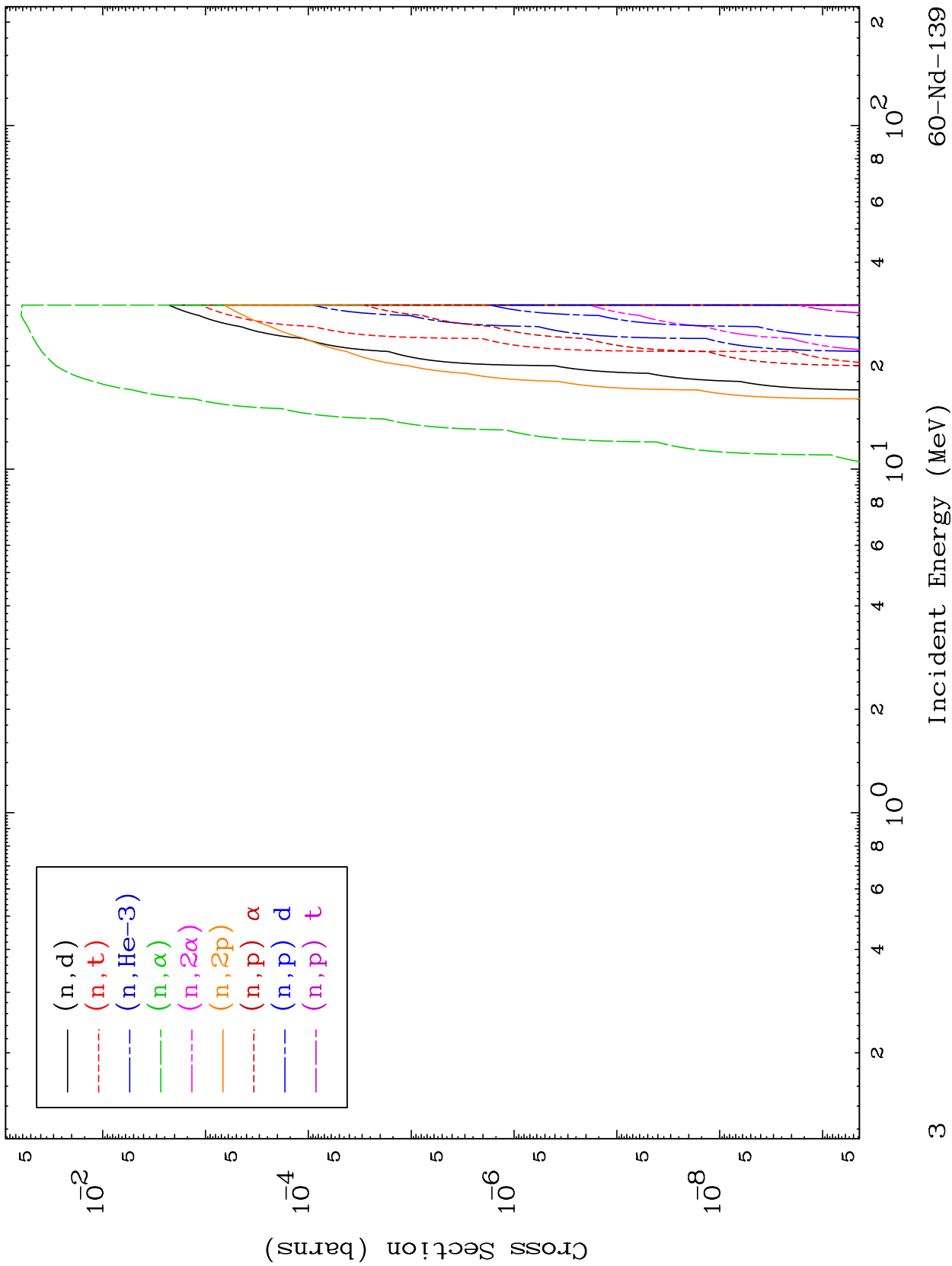
Incident Energy (MeV)

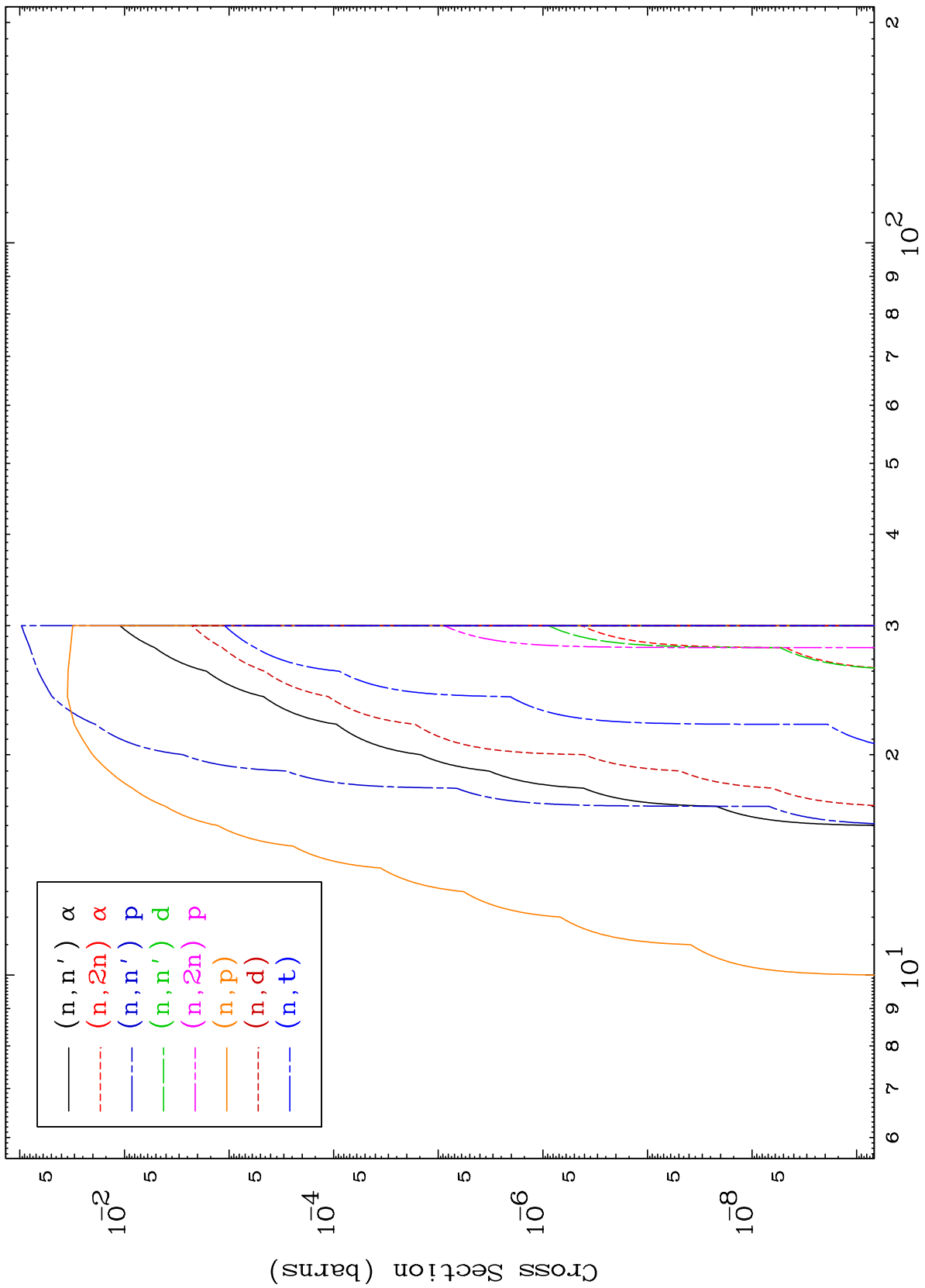
60-Nd-139

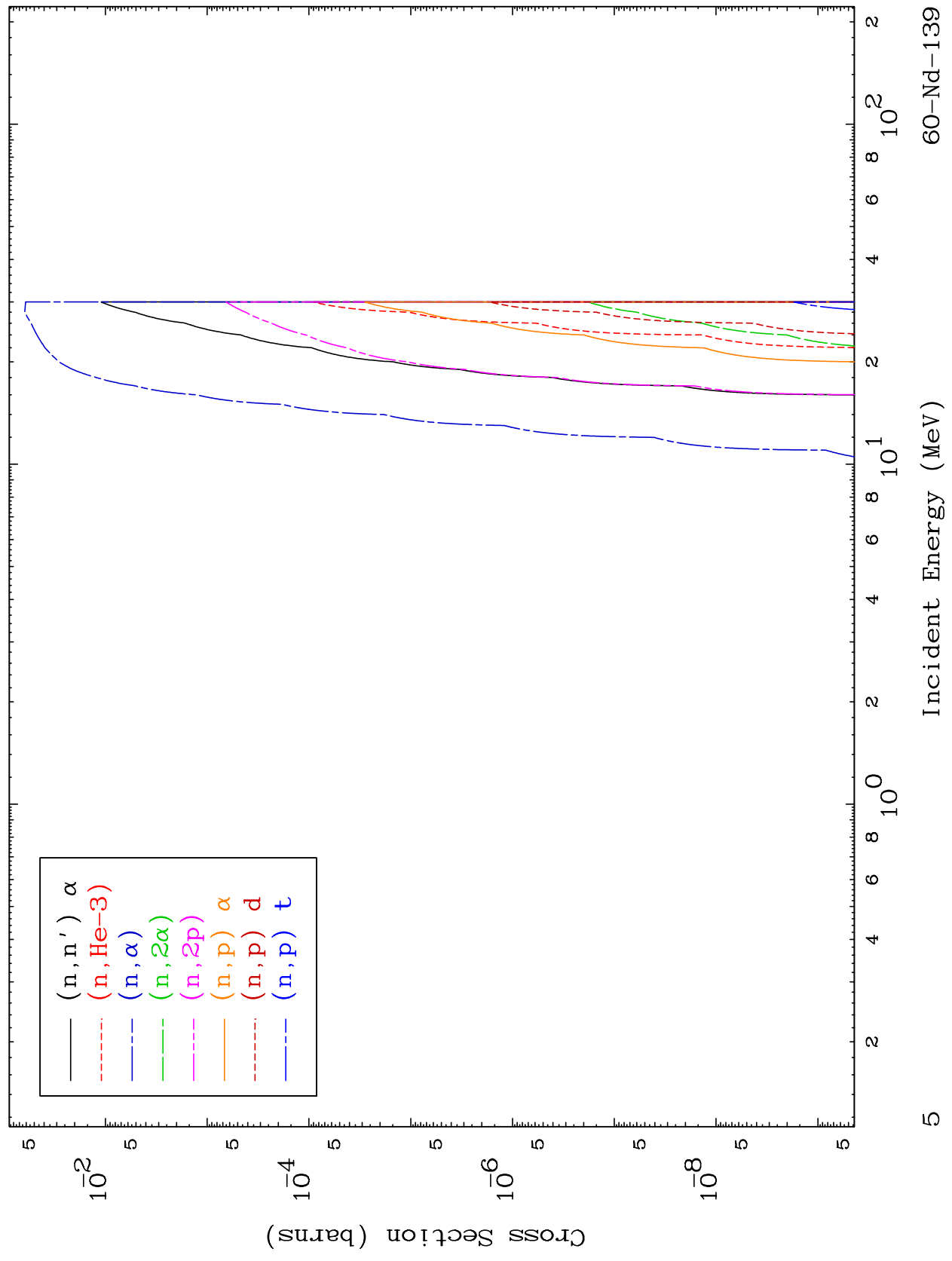
MAT 6016

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

60-Nd-139



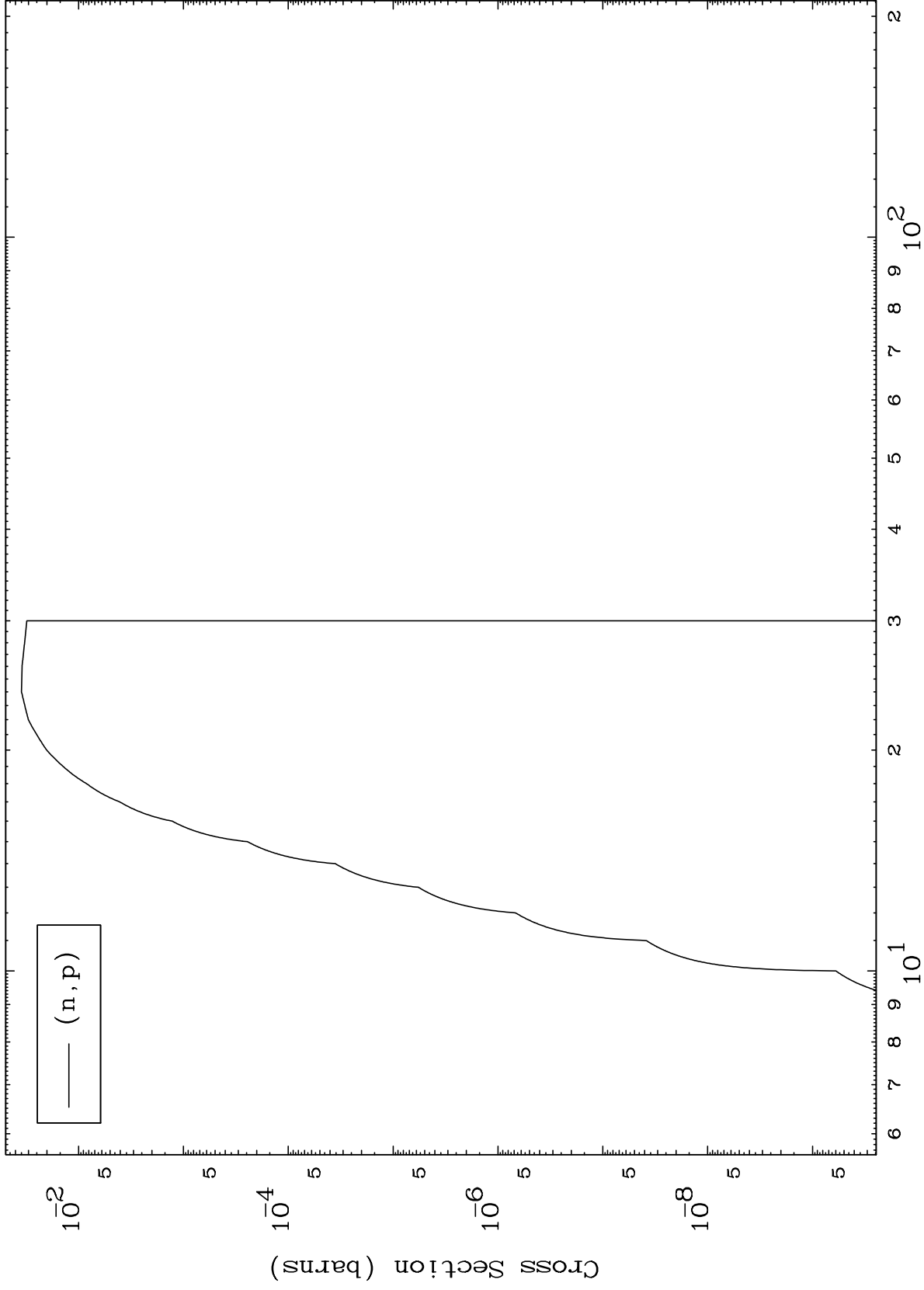




MAT 6016

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

60-Nd-139



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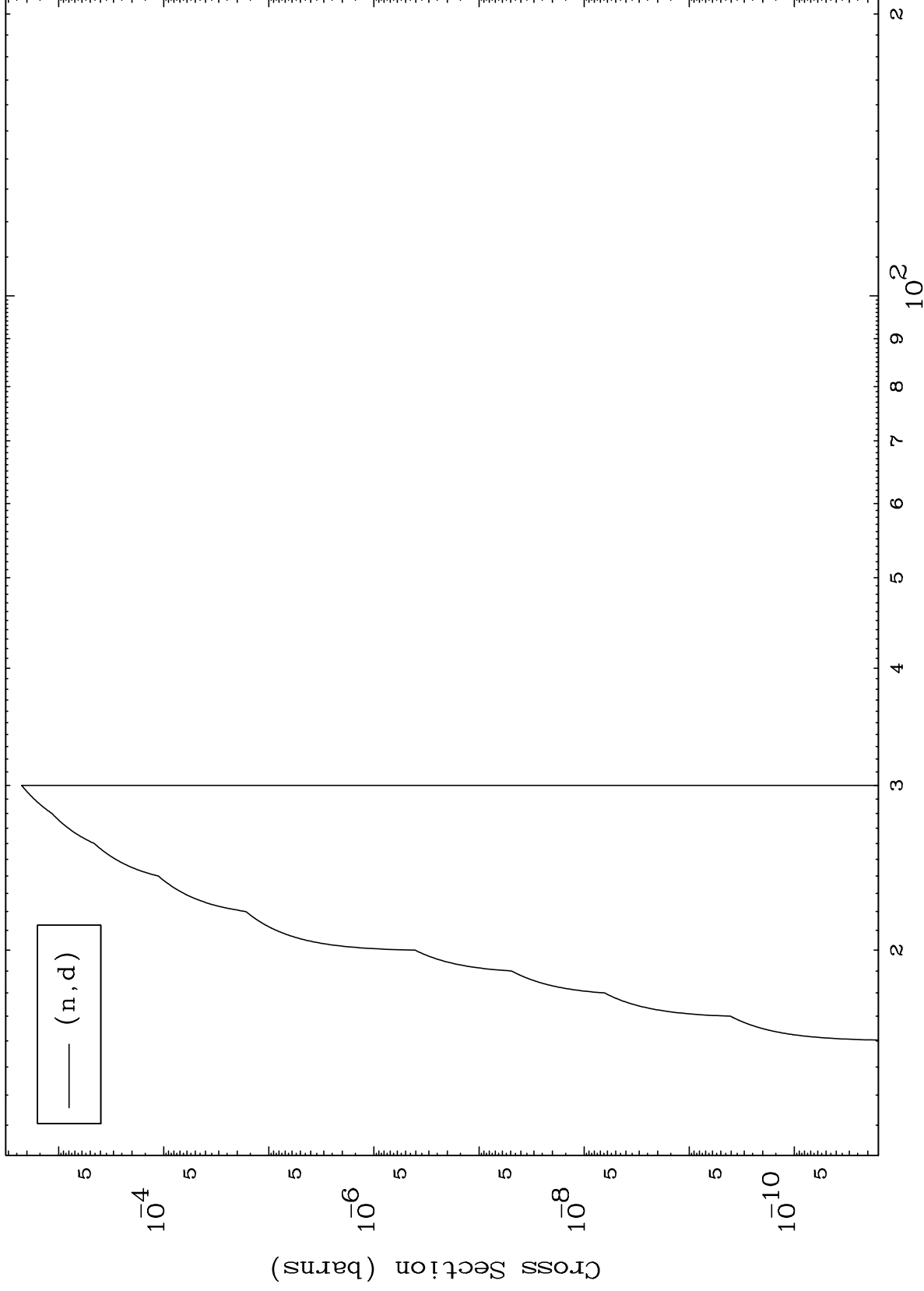
Incident Energy (MeV)

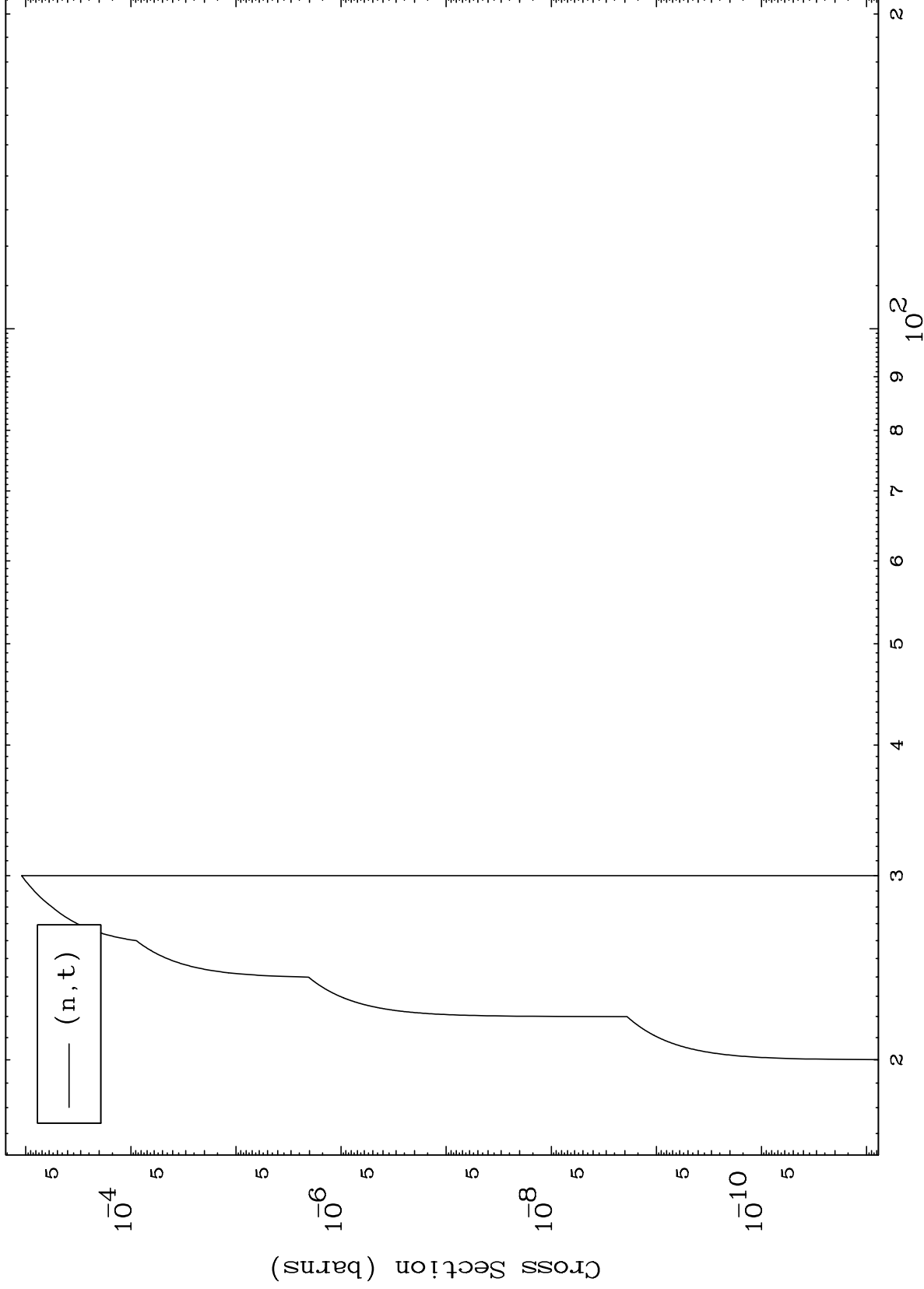
60-Nd-139

MAT 6016

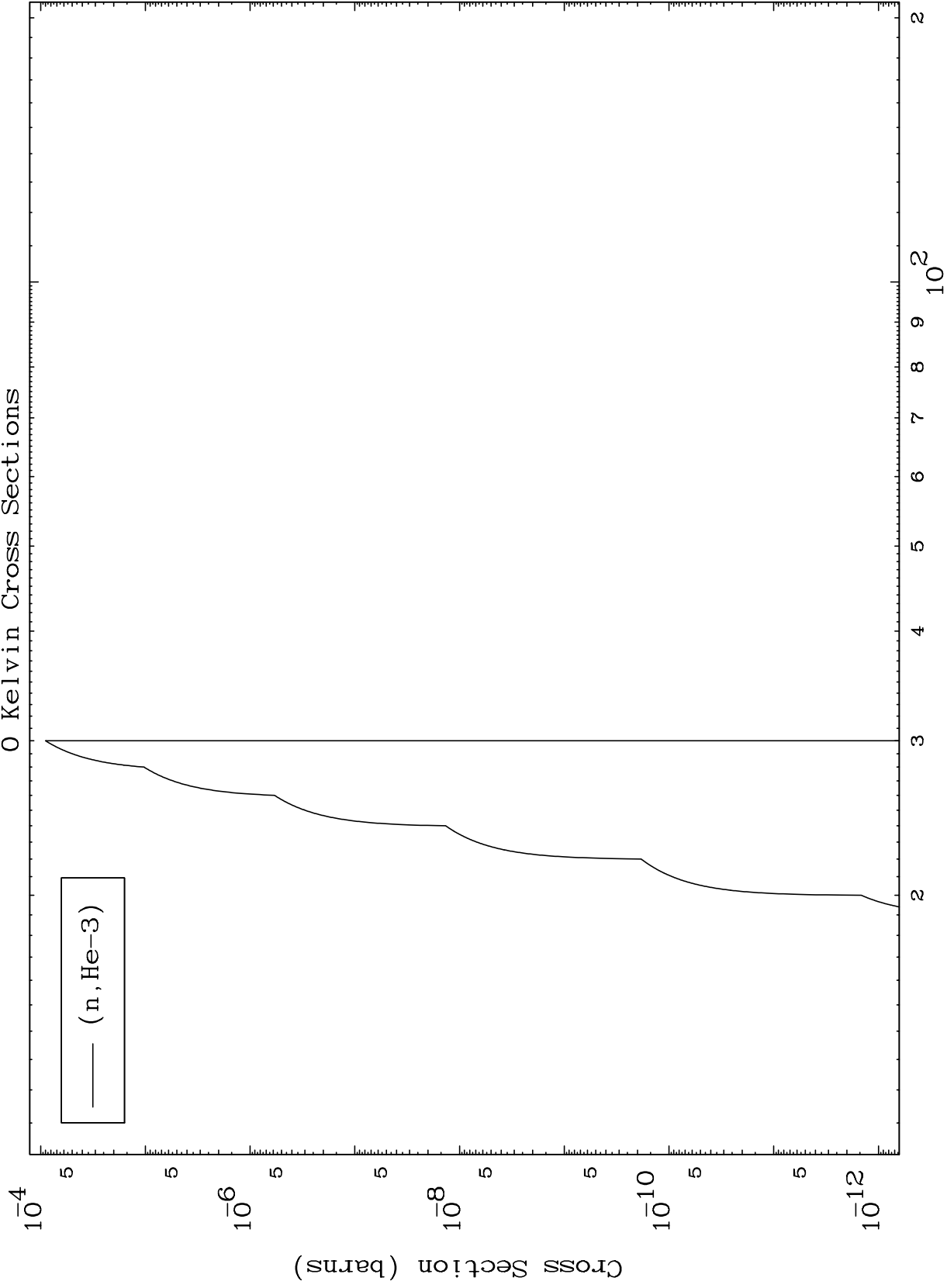
( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

60-Nd-139





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

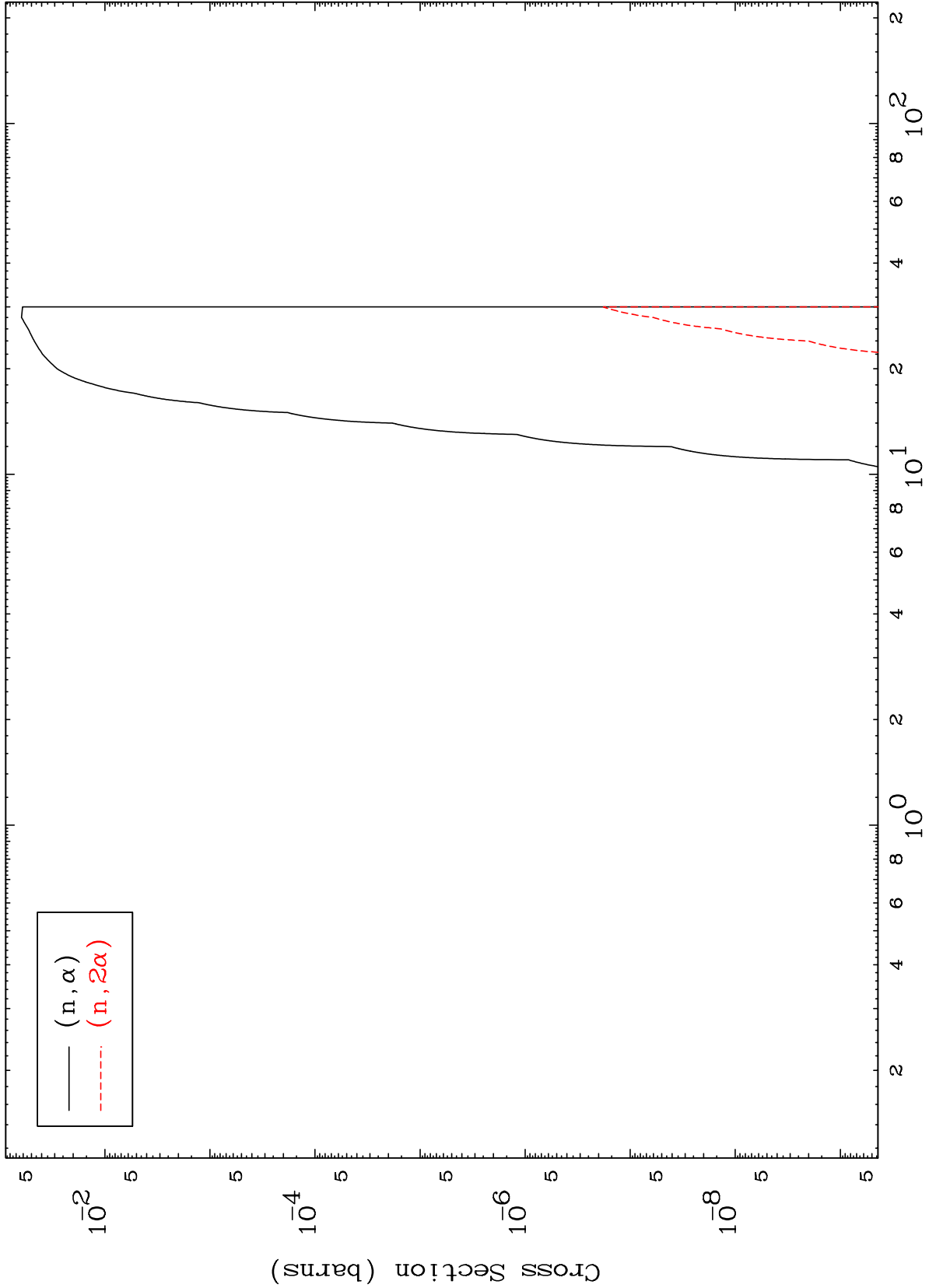


MAT 6016

( $\alpha, \alpha$ ) Levels

60-Nd-139

0 Kelvin Cross Sections



10

Incident Energy (MeV)

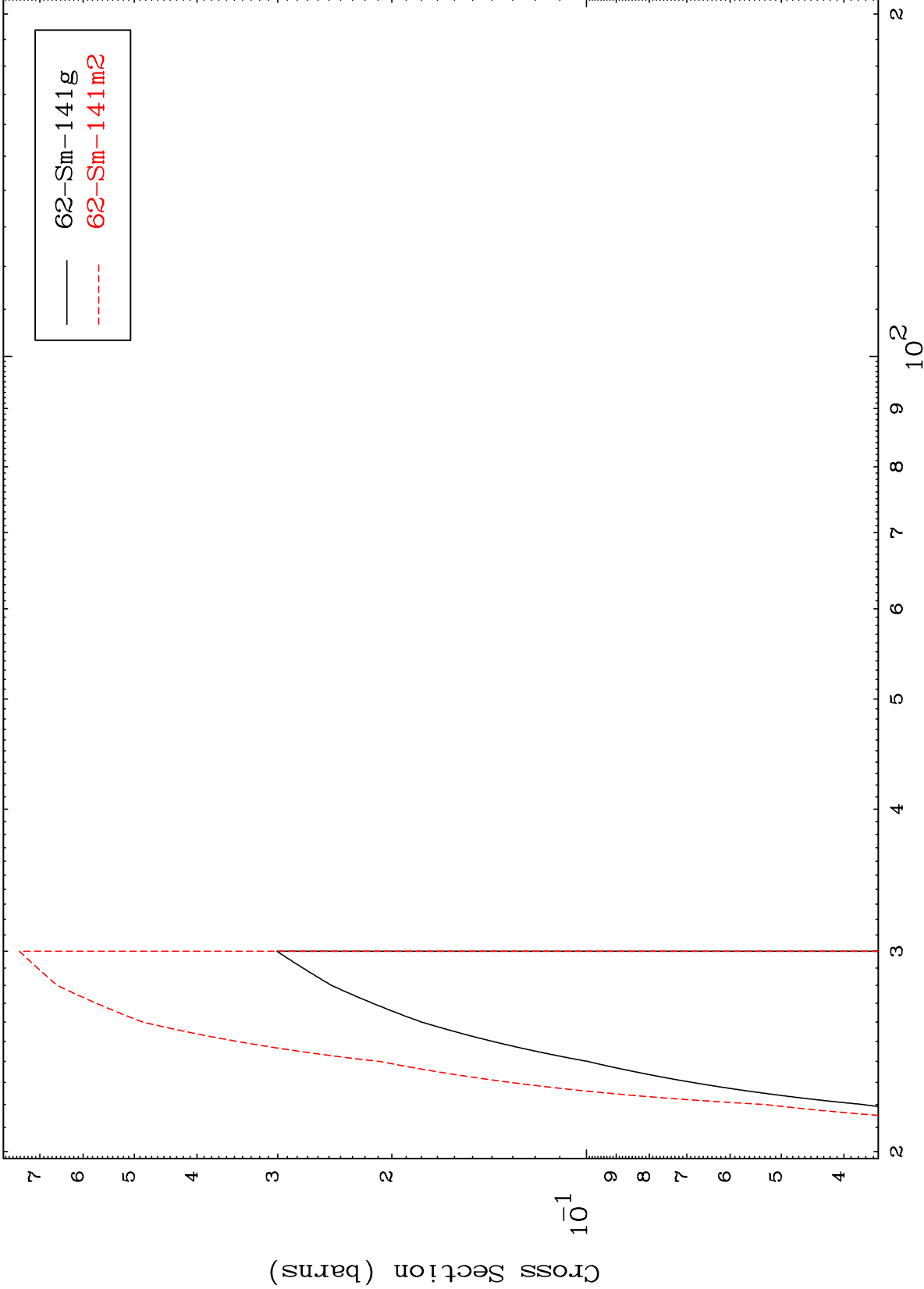
60-Nd-139

MAT 6016

(n,2n)

60-Nd-139

Radionuclide Production Cross Section



11

Incident Energy (MeV)

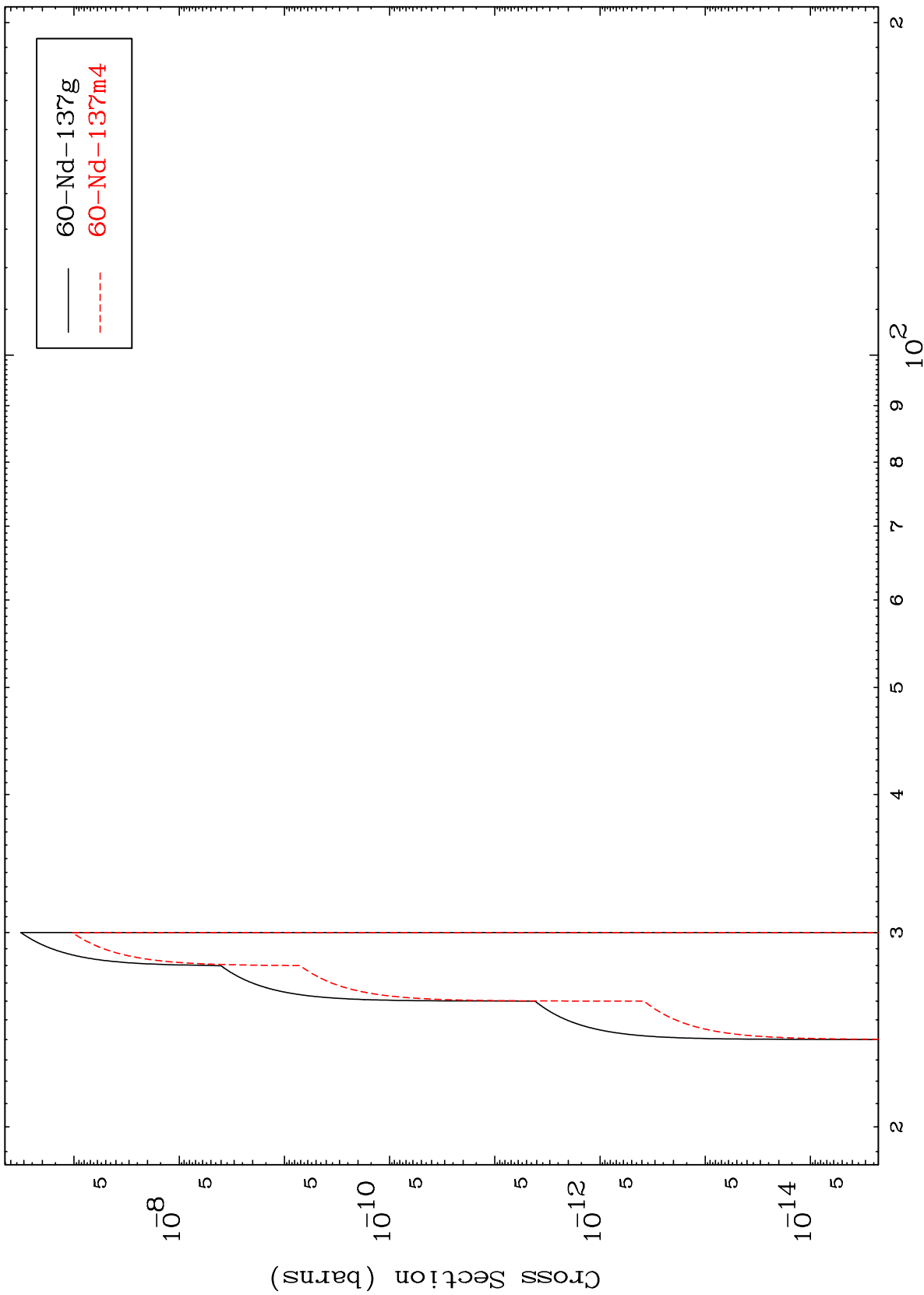
60-Nd-139

MAT 6016

$(n,2n) \alpha$

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

Radionuclide Production Cross Section



12

Incident Energy (MeV)

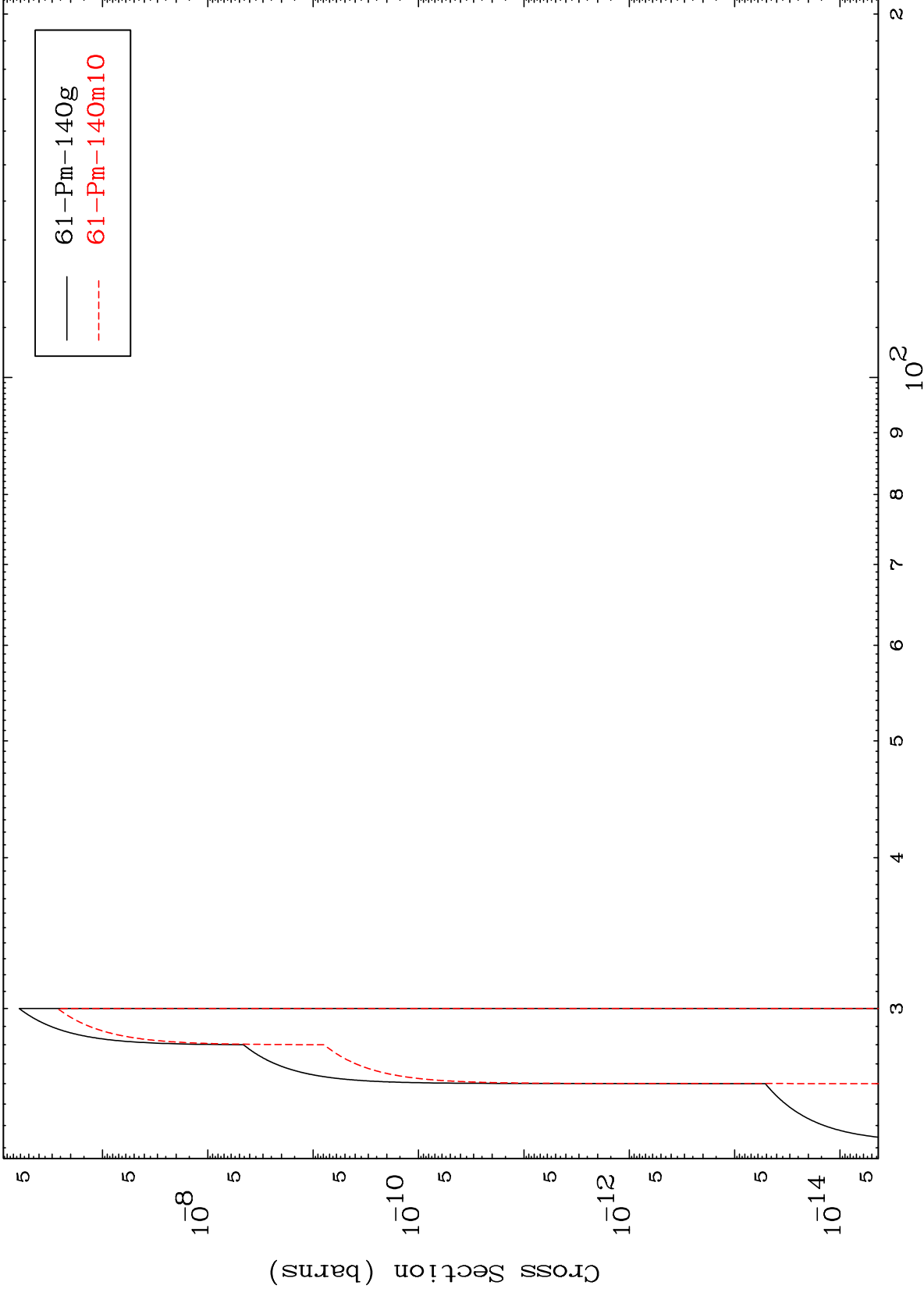
$^{60}\text{Nd-139}$

MAT 6016

(n,n') d

60-Nd-139

Radionuclide Production Cross Section



13

Incident Energy (MeV)

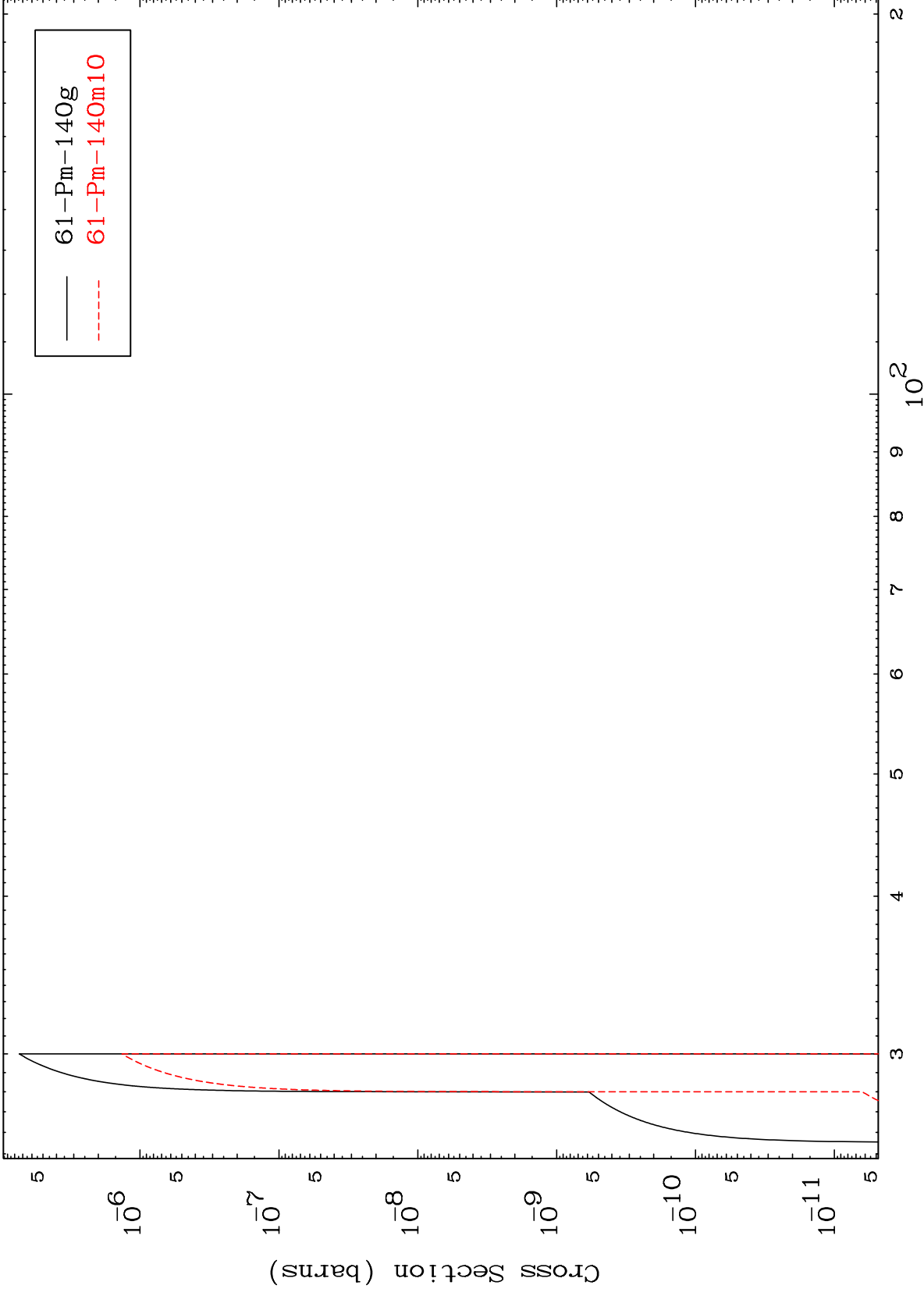
60-Nd-139

MAT 6016

(n,2n) p

60-Nd-139

Radionuclide Production Cross Section



14

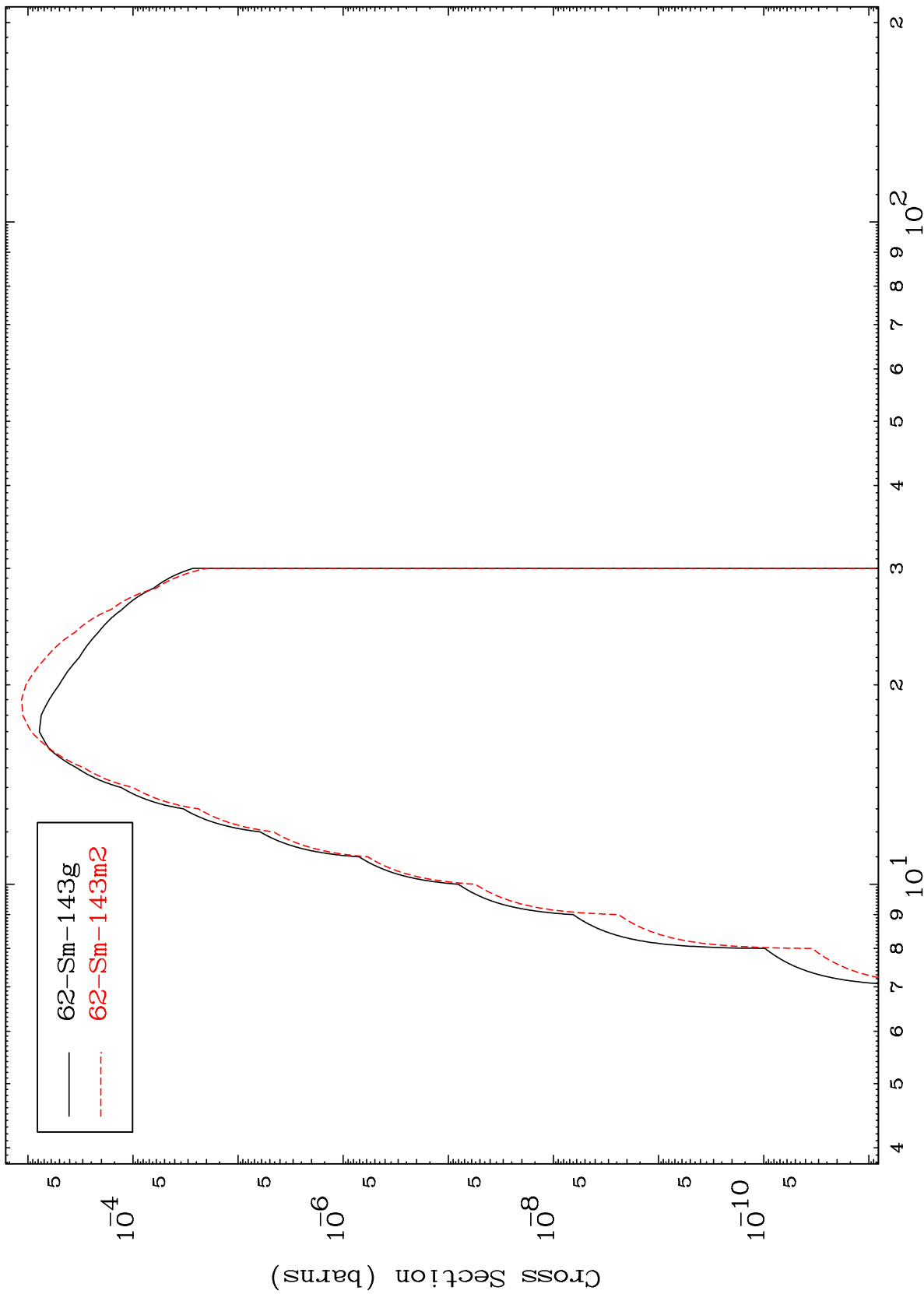
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

Radionuclide Production Cross Section  
(n,γ)



60-Nd-139

Incident Energy (MeV)

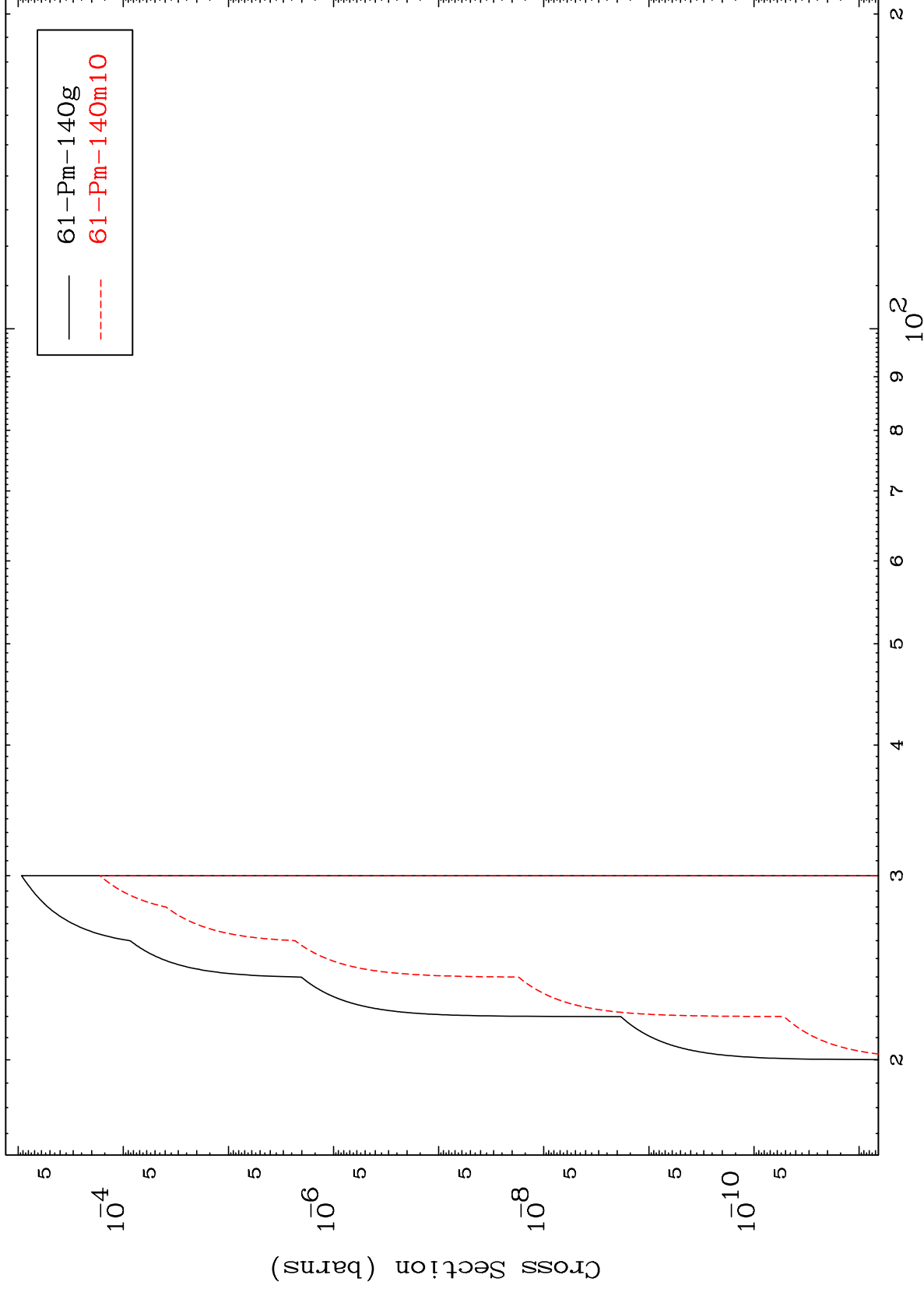
15

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(n, t)

60-Nd-139

Radionuclide Production Cross Section



16

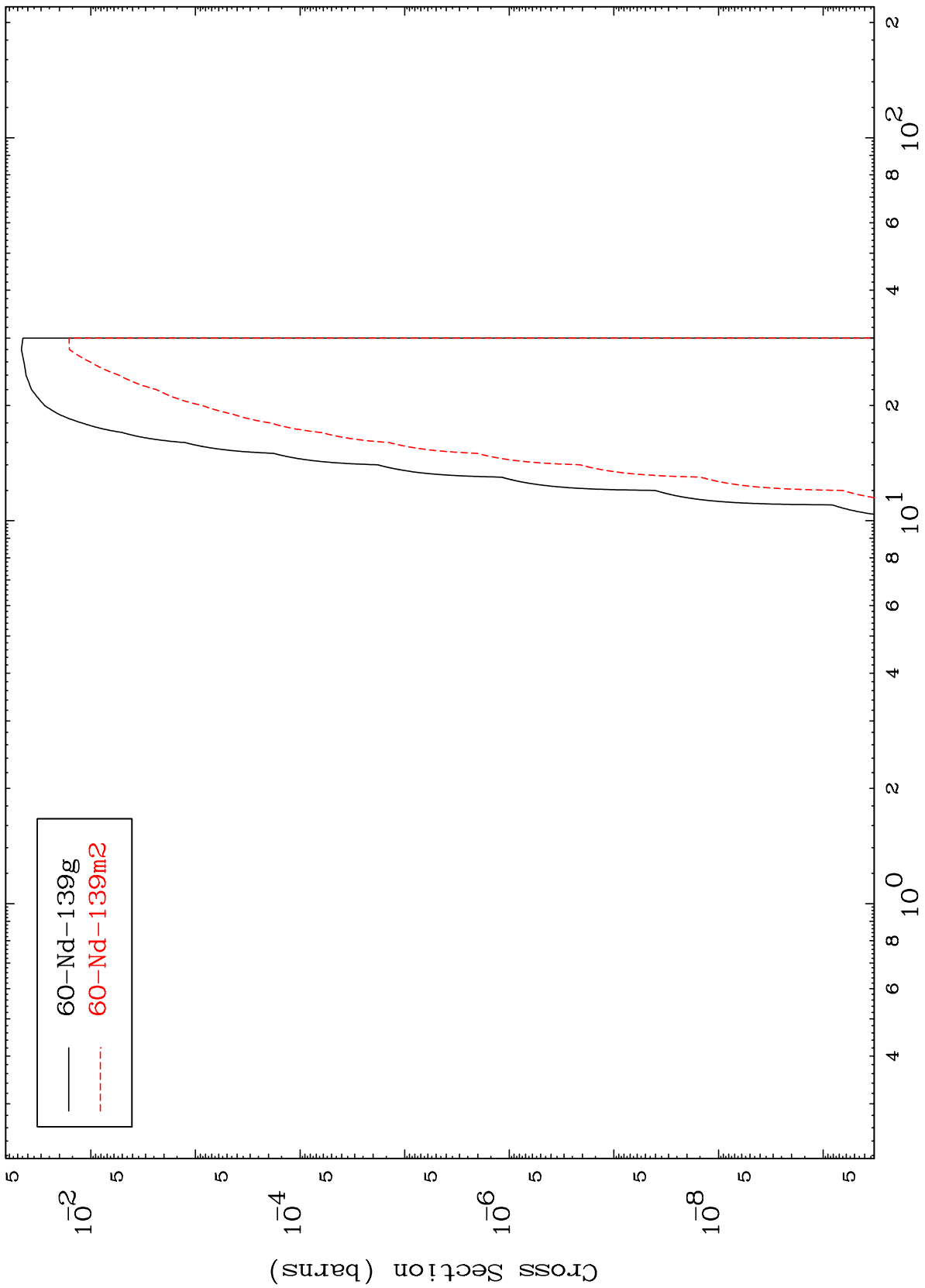
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

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



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

60-Nd-139

Incident Energy (MeV)

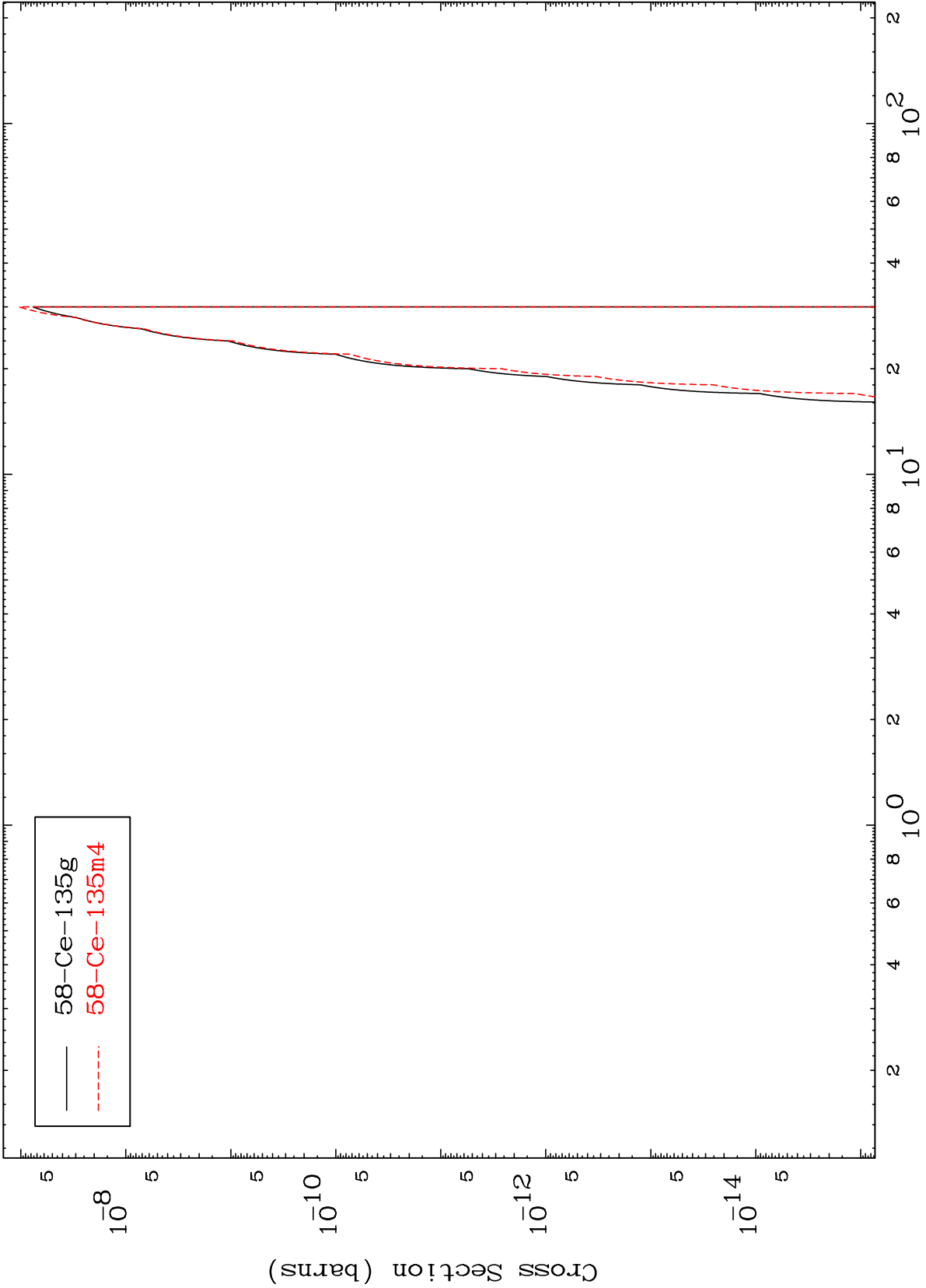
17

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(n,2α)

60-Nd-139

Radionuclide Production Cross Section

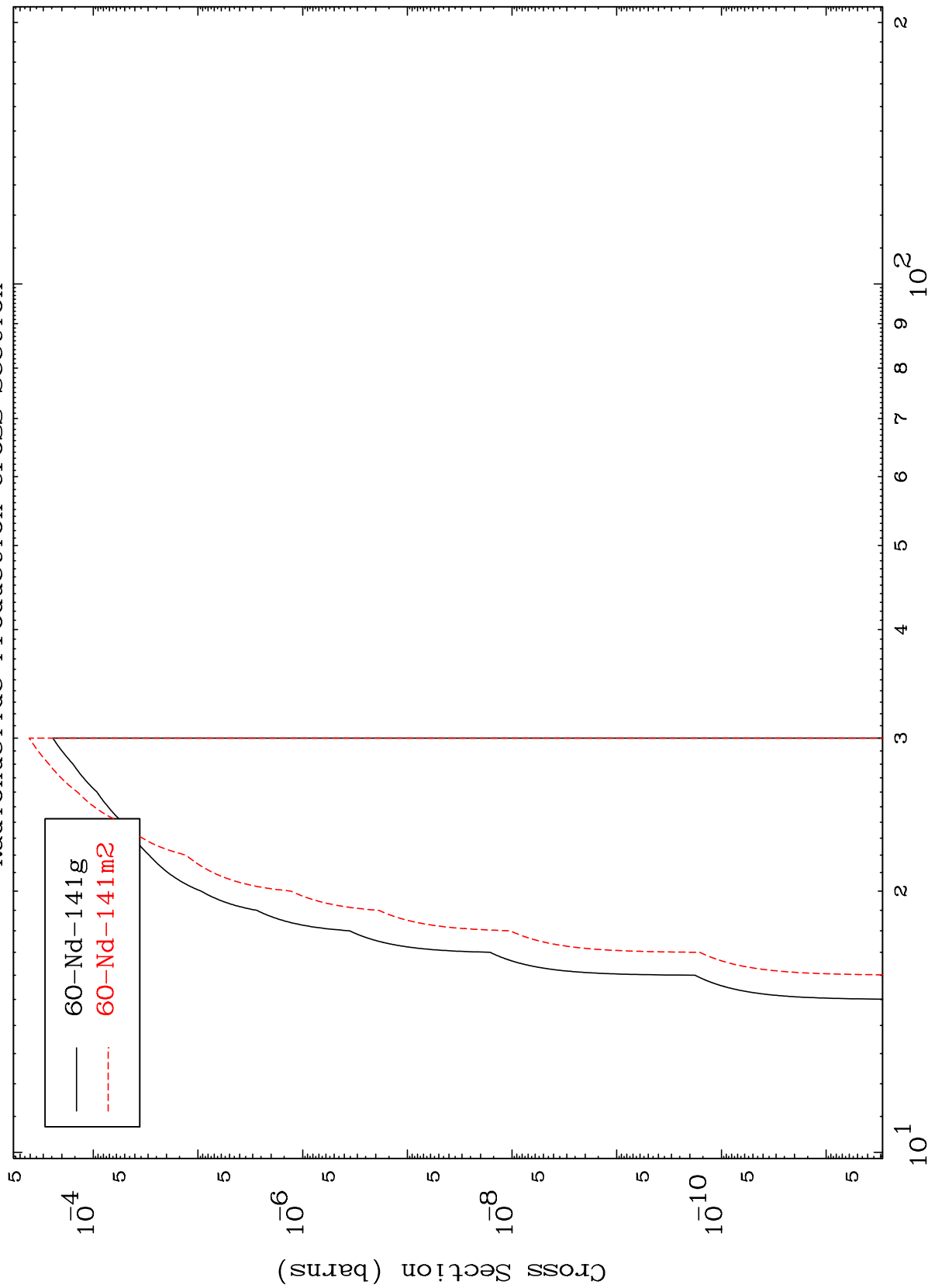


— 58-Ce-135g  
- - - 58-Ce-135m4

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60-Nd-139

(n,2p)  
Radionuclide Production Cross Section



60-Nd-139

Incident Energy (MeV)

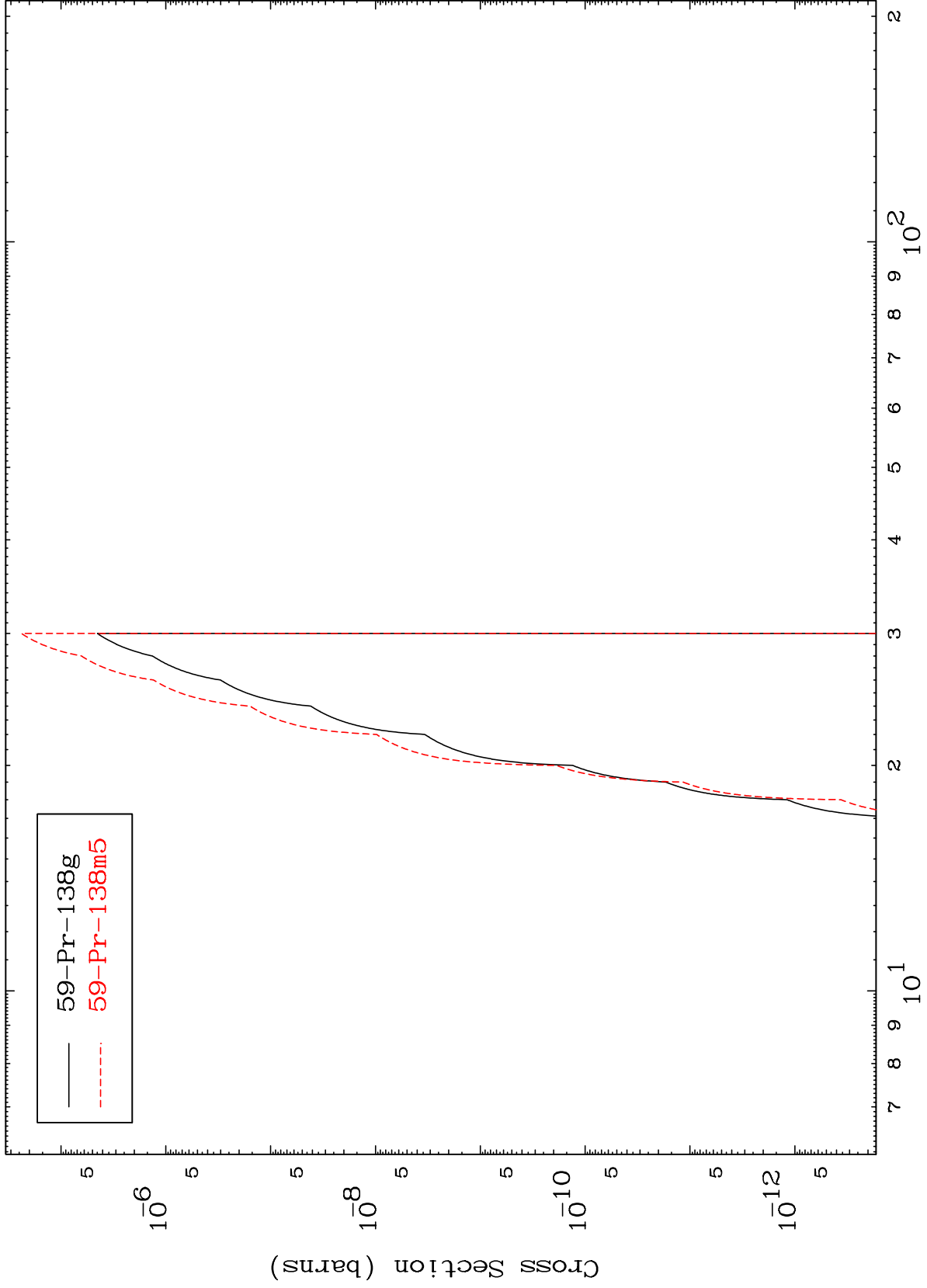
19

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$(n,p) \alpha$

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

Radionuclide Production Cross Section



20

Incident Energy (MeV)

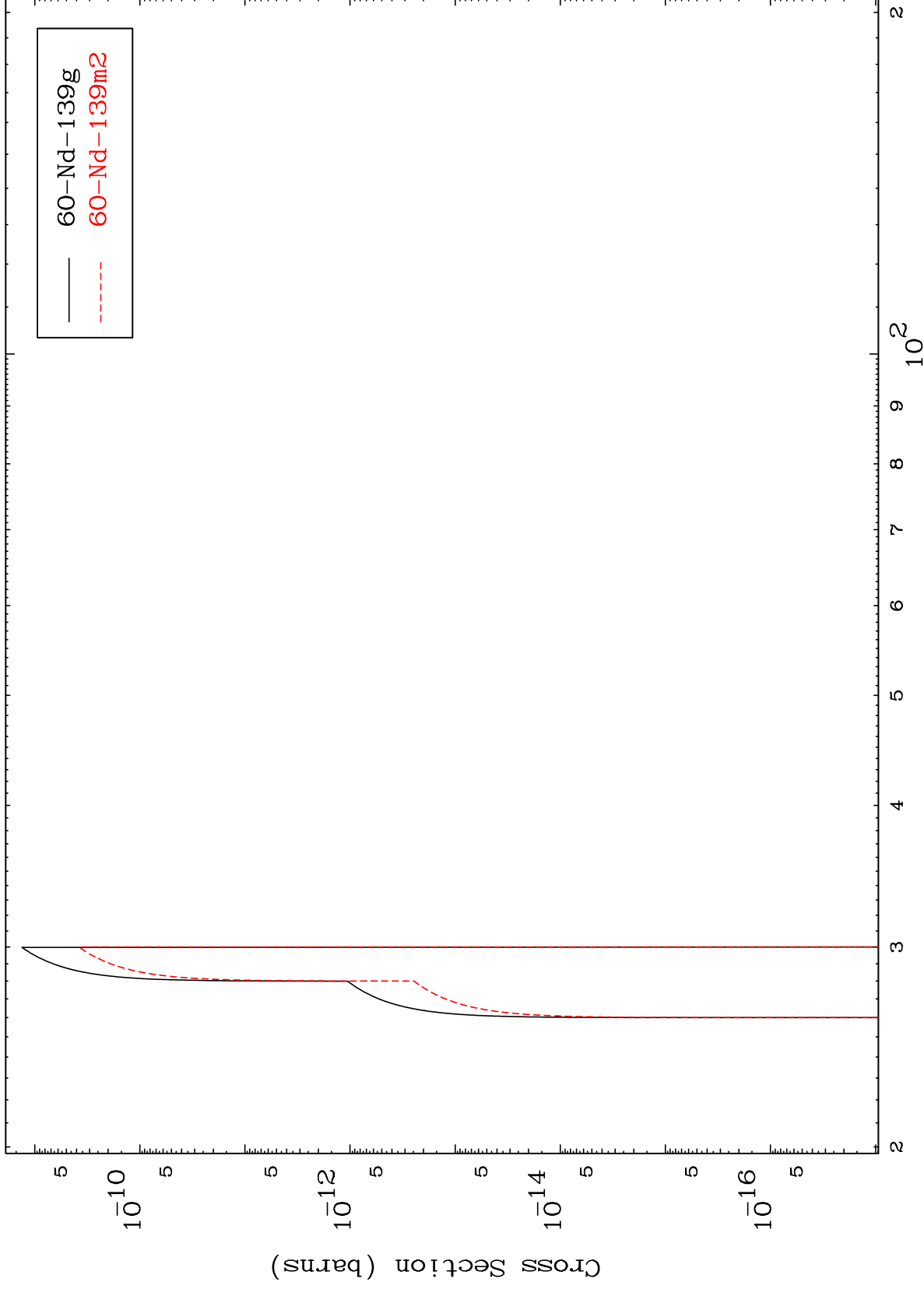
$^{60}\text{Nd-139}$

MAT 6016

(n,p) t

<sup>60</sup>Nd-139

Radionuclide Production Cross Section



21

Incident Energy (MeV)

<sup>60</sup>Nd-139