

Program EVALPLOT  
(Version 2021-1)

by

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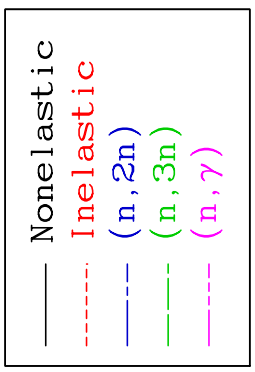
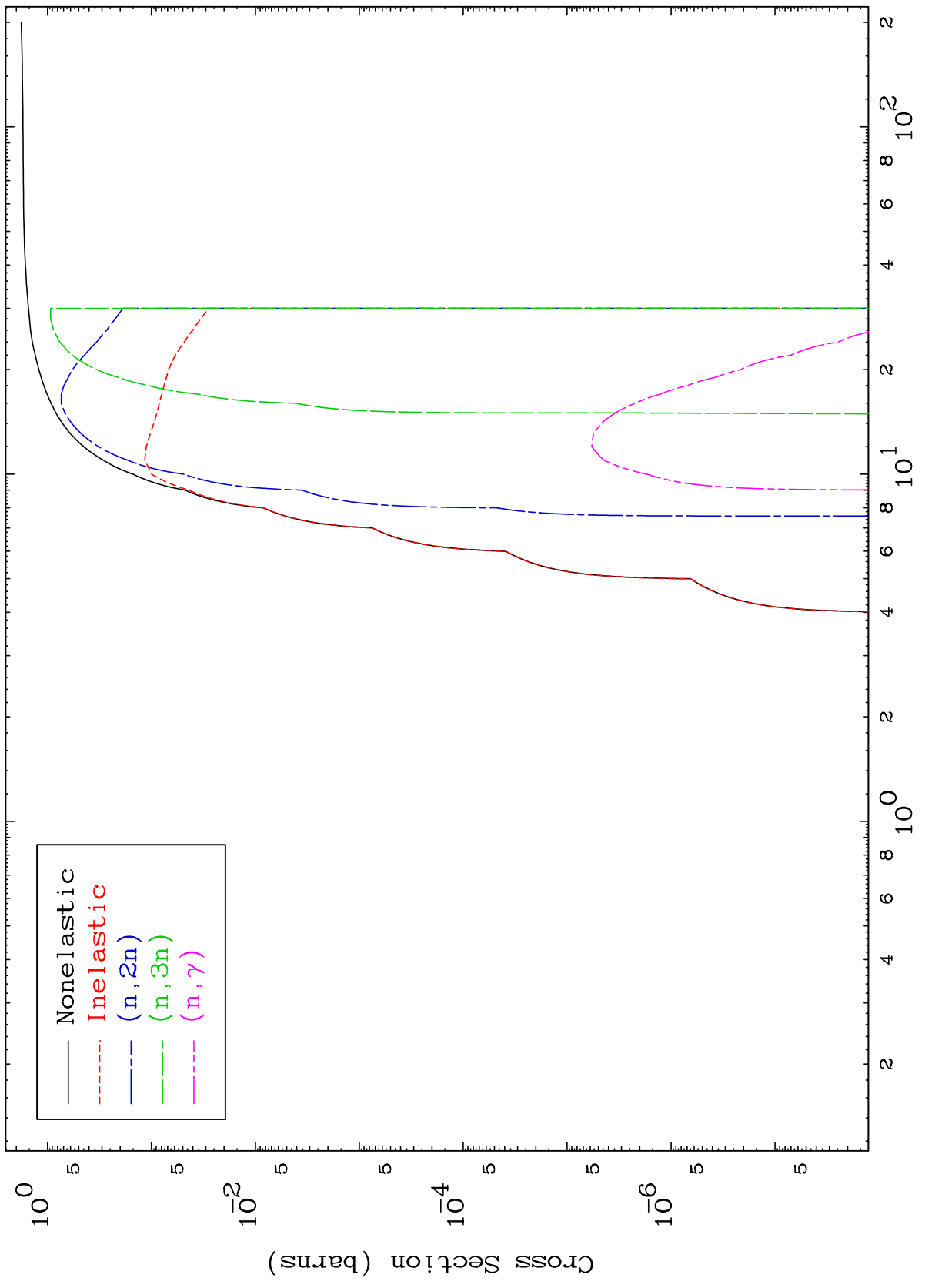
Press Mouse Button to Start

MAT 3146

$\alpha$  Major

31-Ga-76

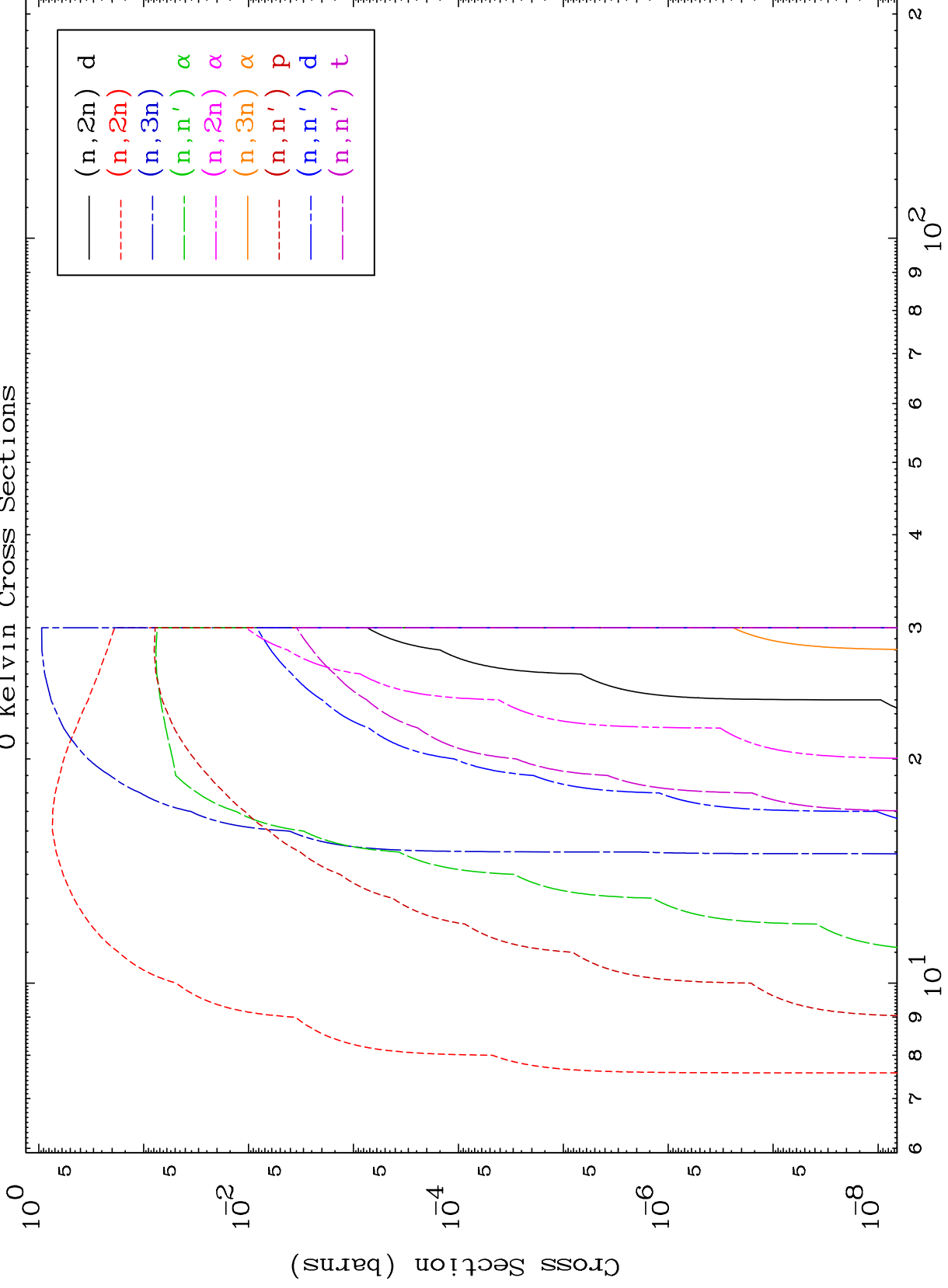
0 Kelvin Cross Sections



MAT 3146

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

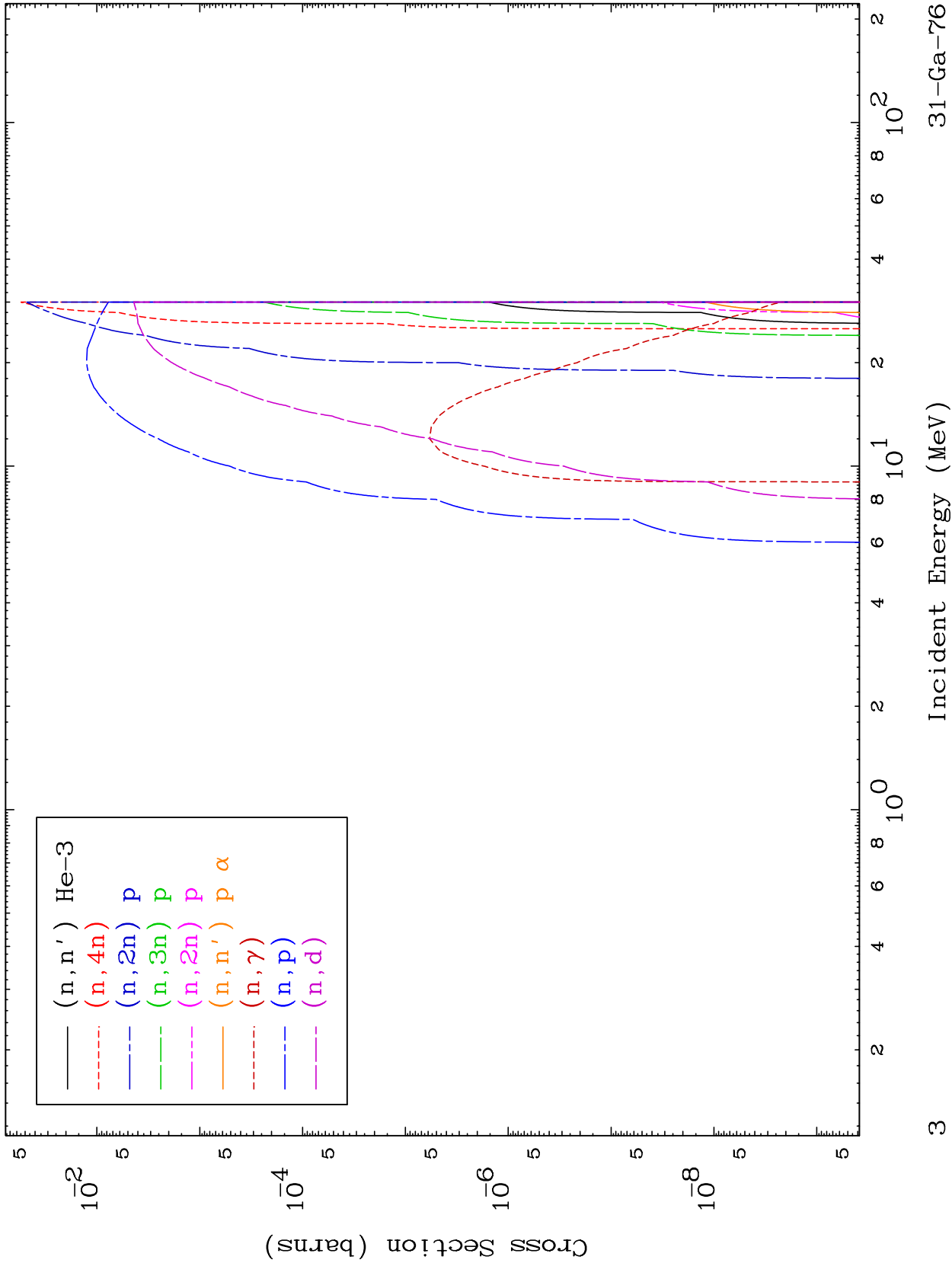
$^{31}\text{Ga}$ -76



2

Incident Energy (MeV)

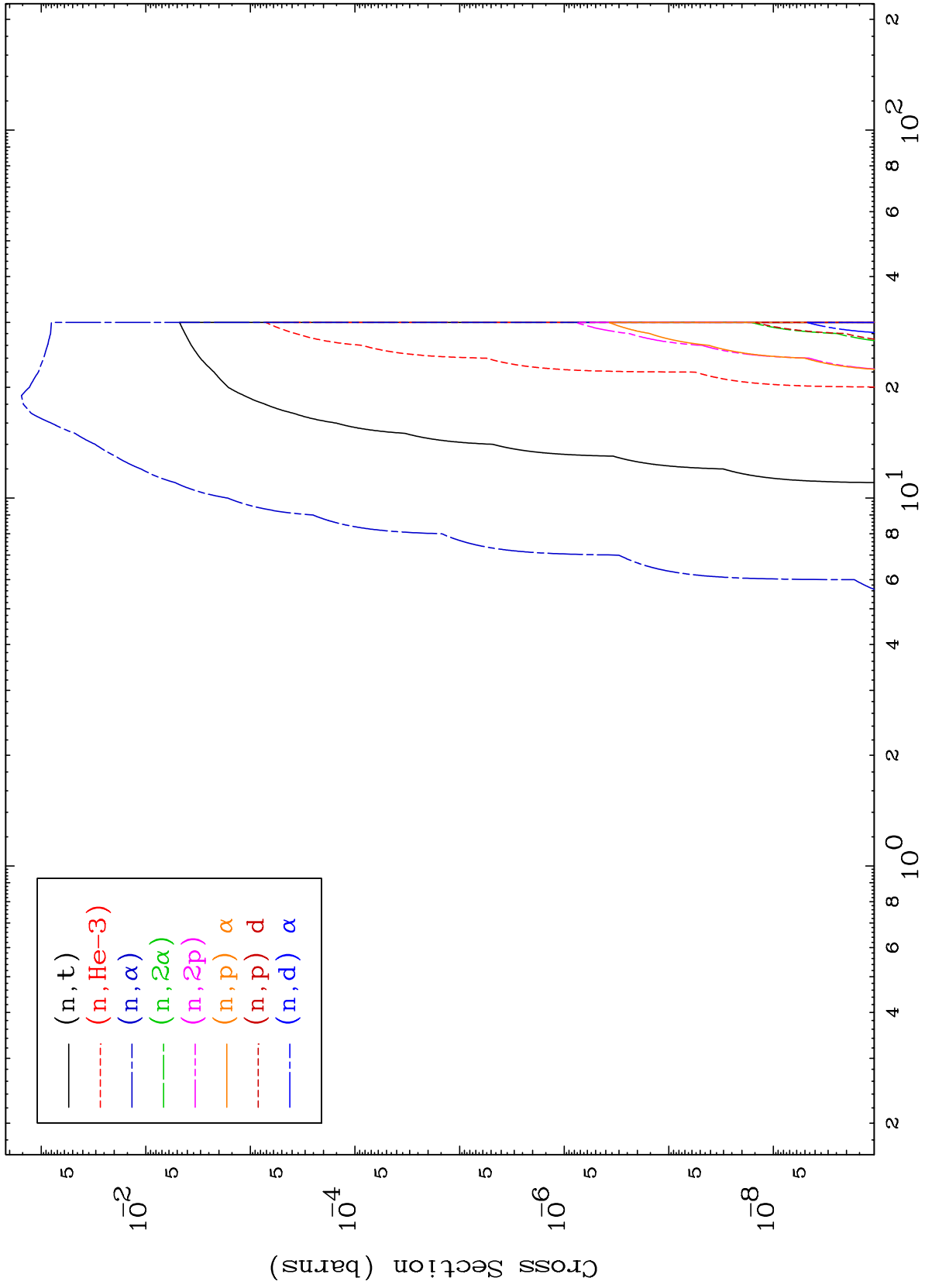
$^{31}\text{Ga}$ -76



MAT 3146

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

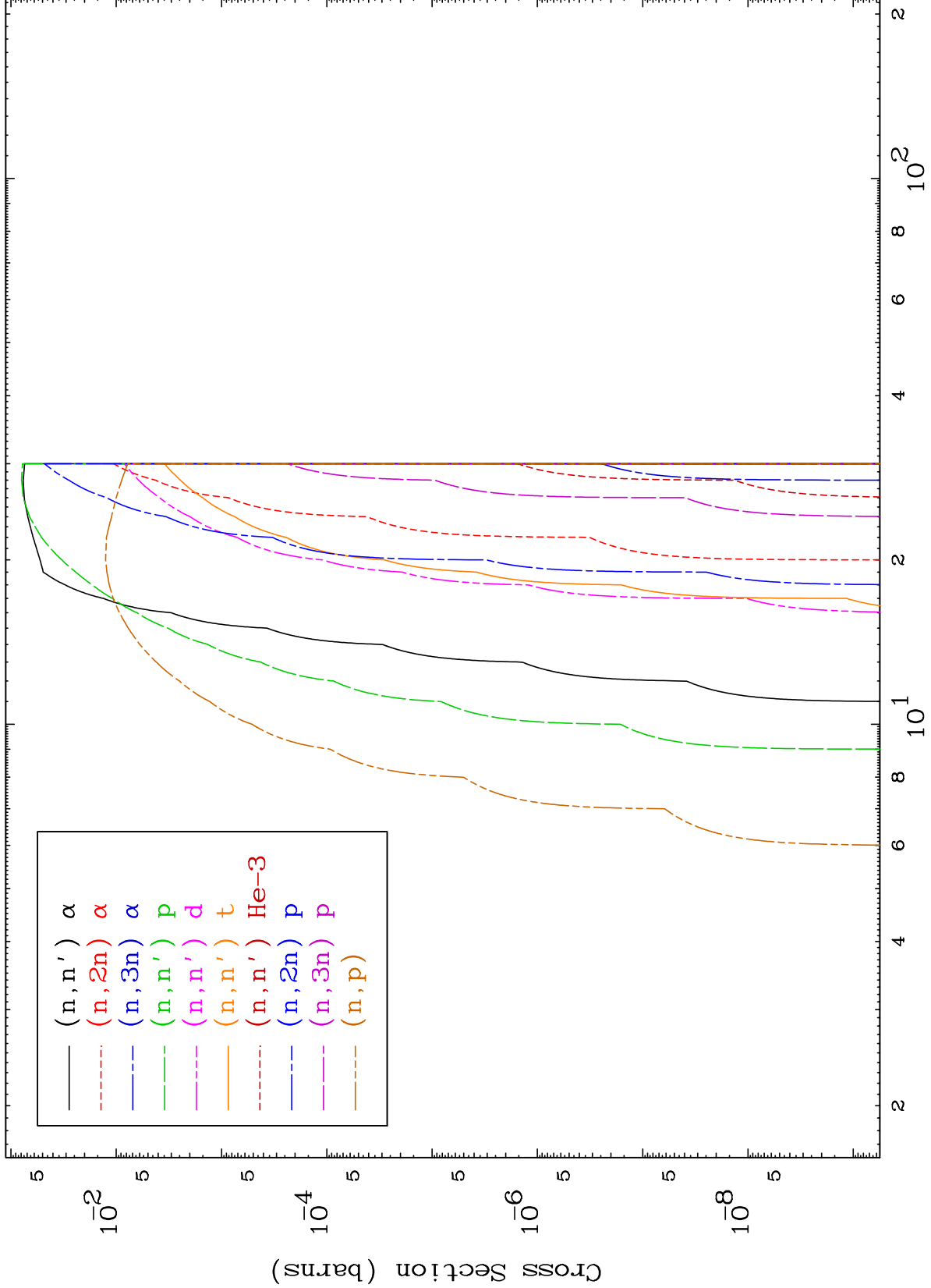
31-Ga-76



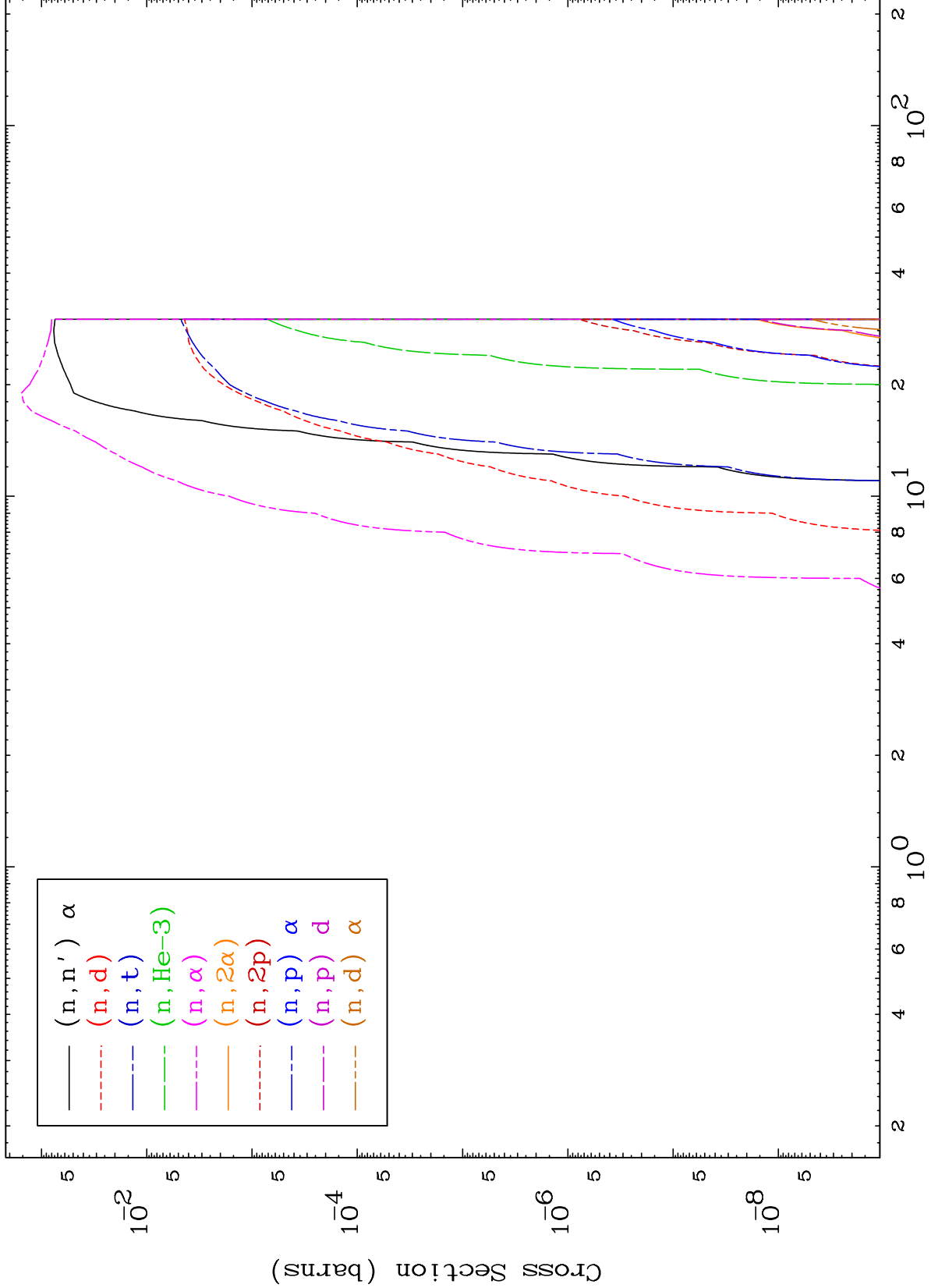
4

Incident Energy (MeV)

31-Ga-76



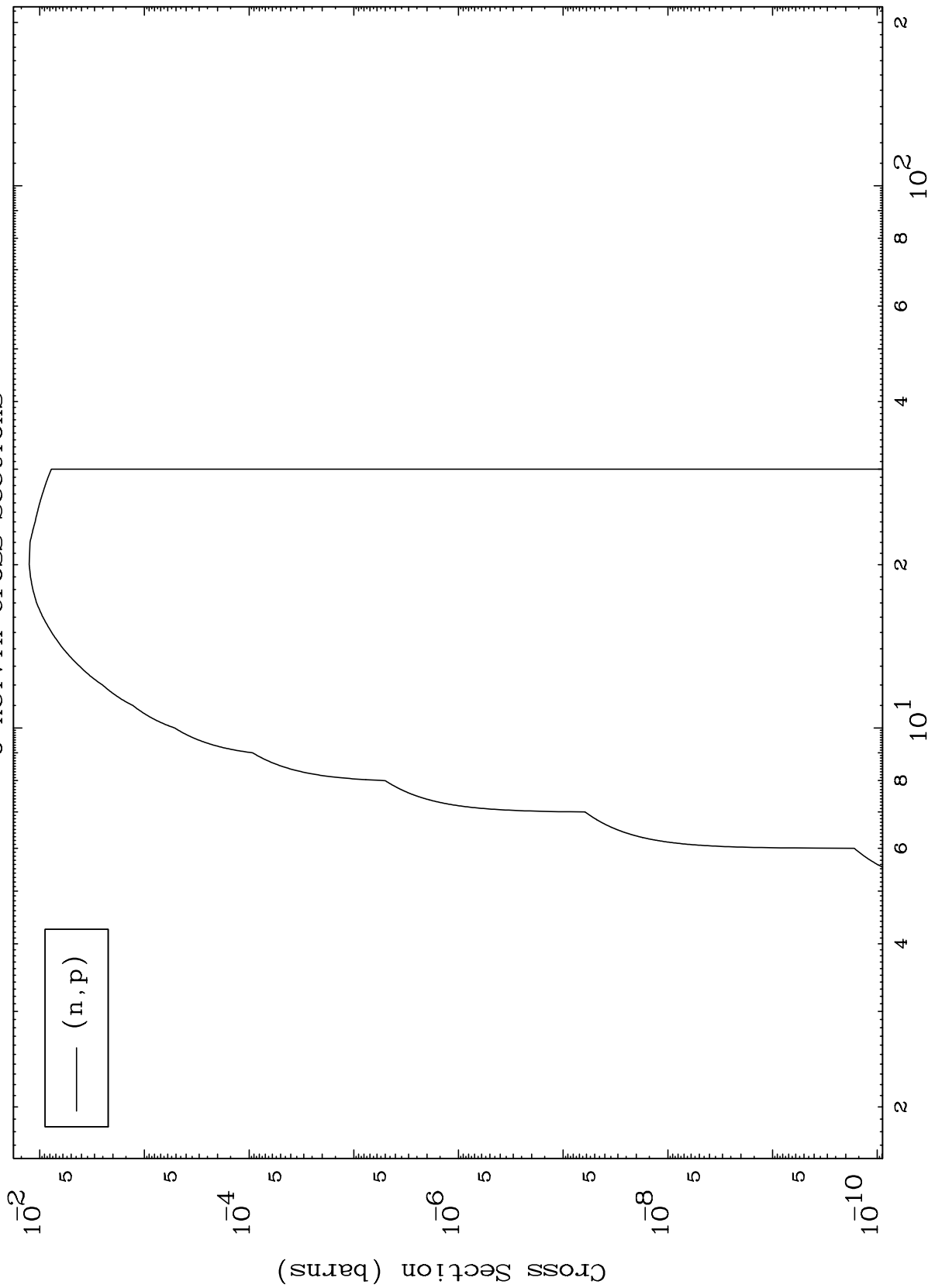
—	$(n, n')$	$\alpha$
- - -	$(n, 2n)$	$\alpha$
- · - ·	$(n, 3n)$	$\alpha$
—	$(n, n')$	p
- - -	$(n, n')$	d
—	$(n, n')$	t
- - -	$(n, n')$	He-3
- · - ·	$(n, 2n)$	p
—	$(n, 3n)$	p
- - -	$(n, p)$	



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31-Ga-76

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



7

31-Ga-76

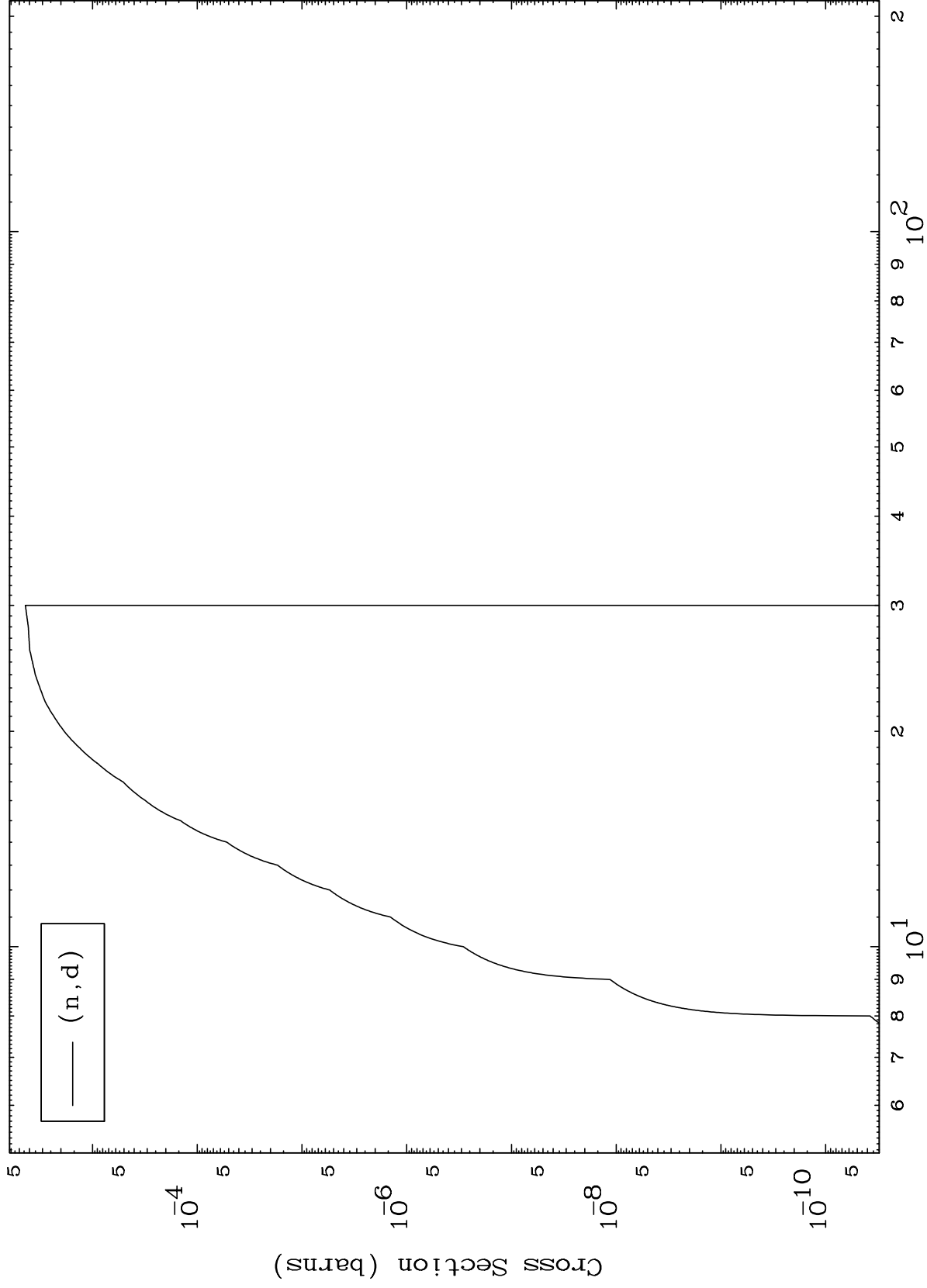
Incident Energy (MeV)



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

31-Ga-76



8

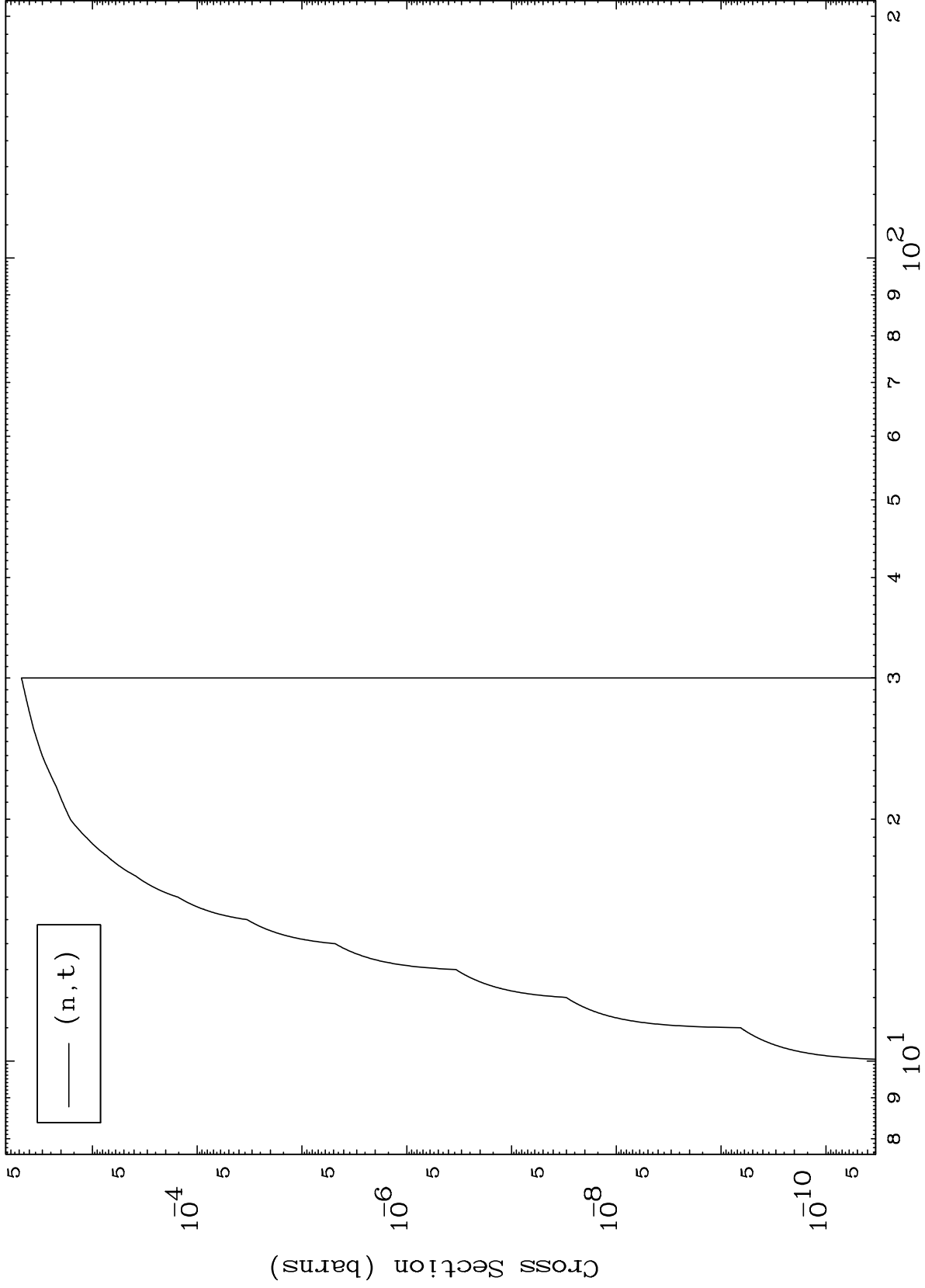
Incident Energy (MeV)

31-Ga-76

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

31-Ga-76



9

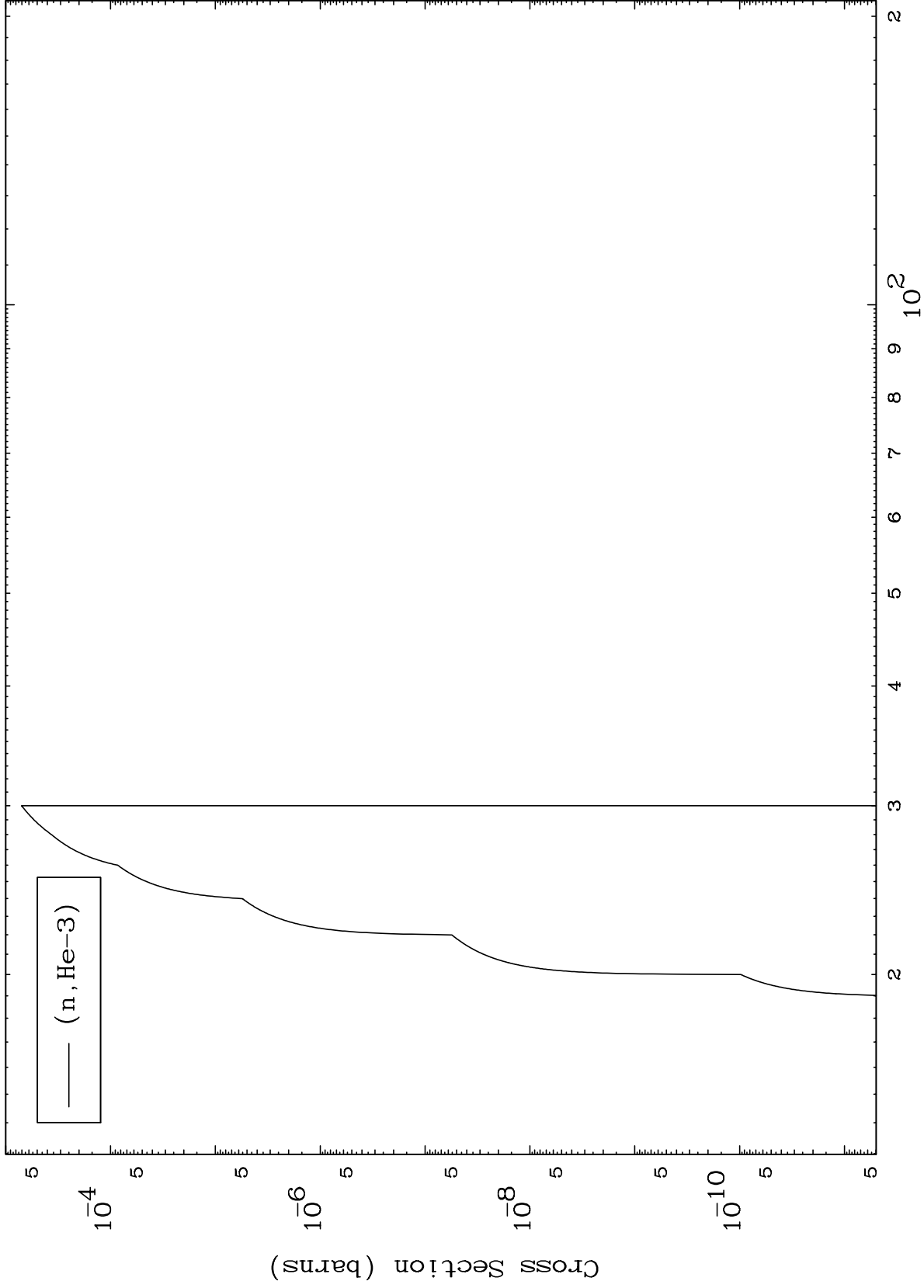
Incident Energy (MeV)

31-Ga-76

MAT 3146

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

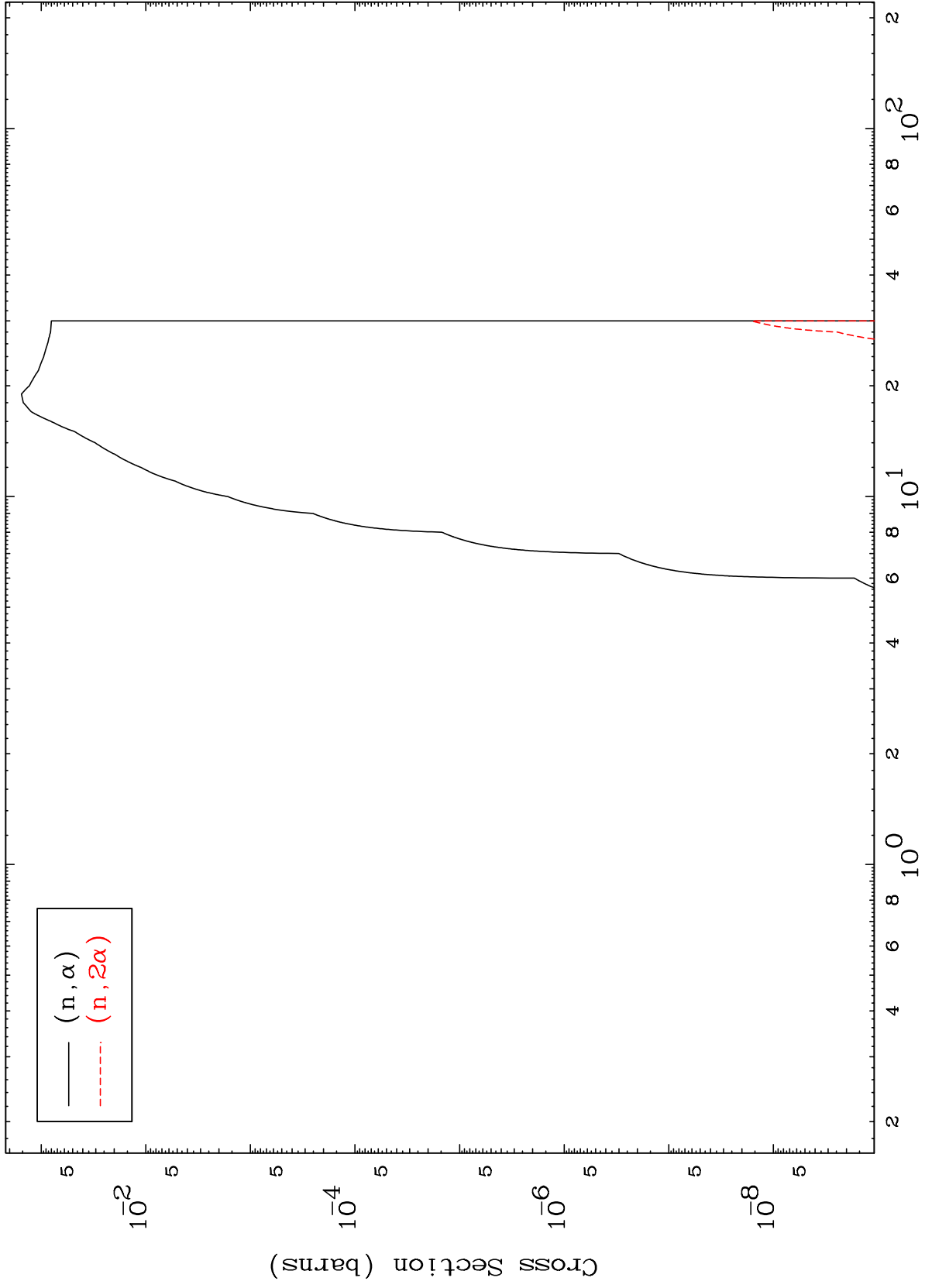
31-Ga-76



10

Incident Energy (MeV)

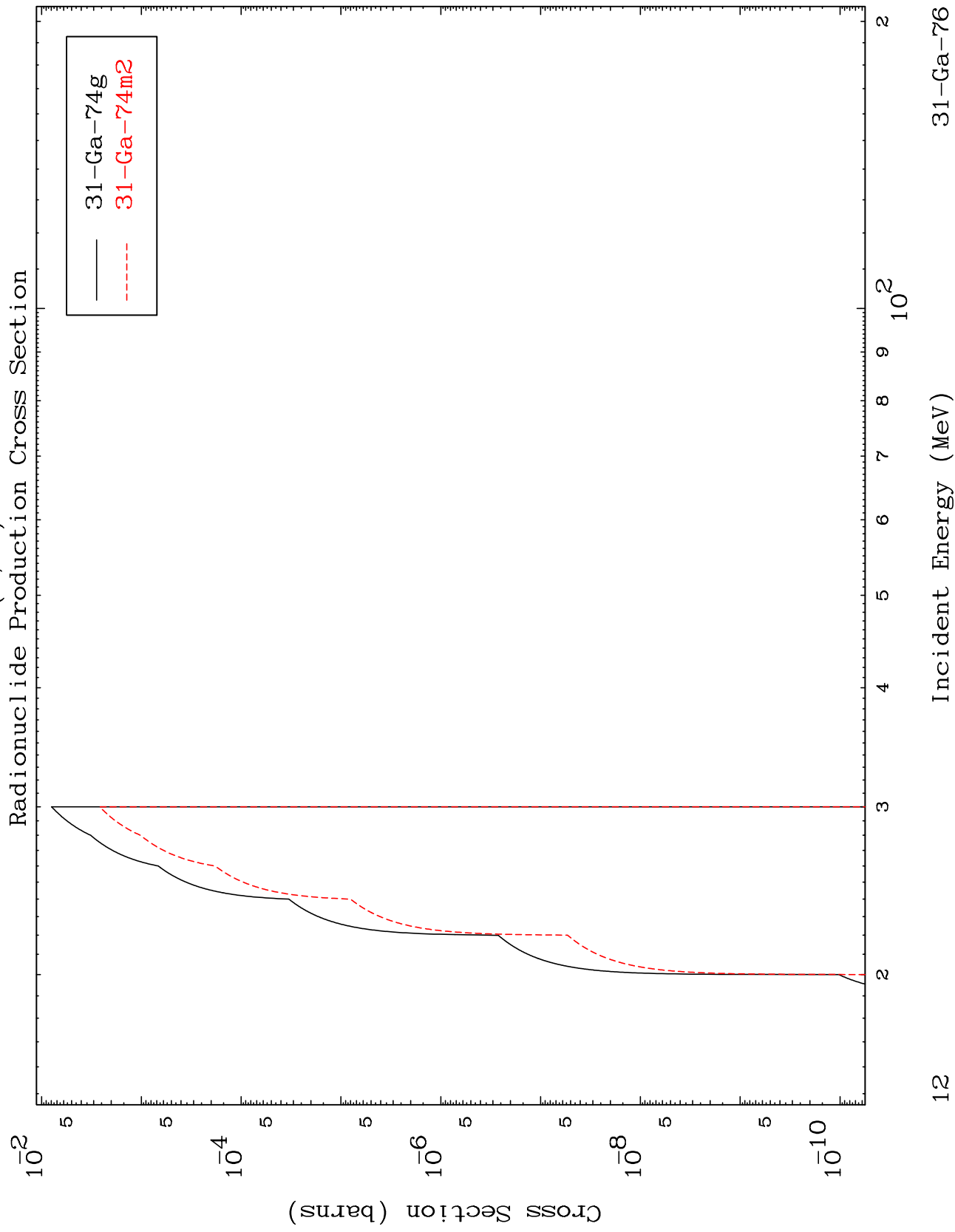
31-Ga-76



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$(n,2n) \alpha$

$^{31}\text{Ga-76}$



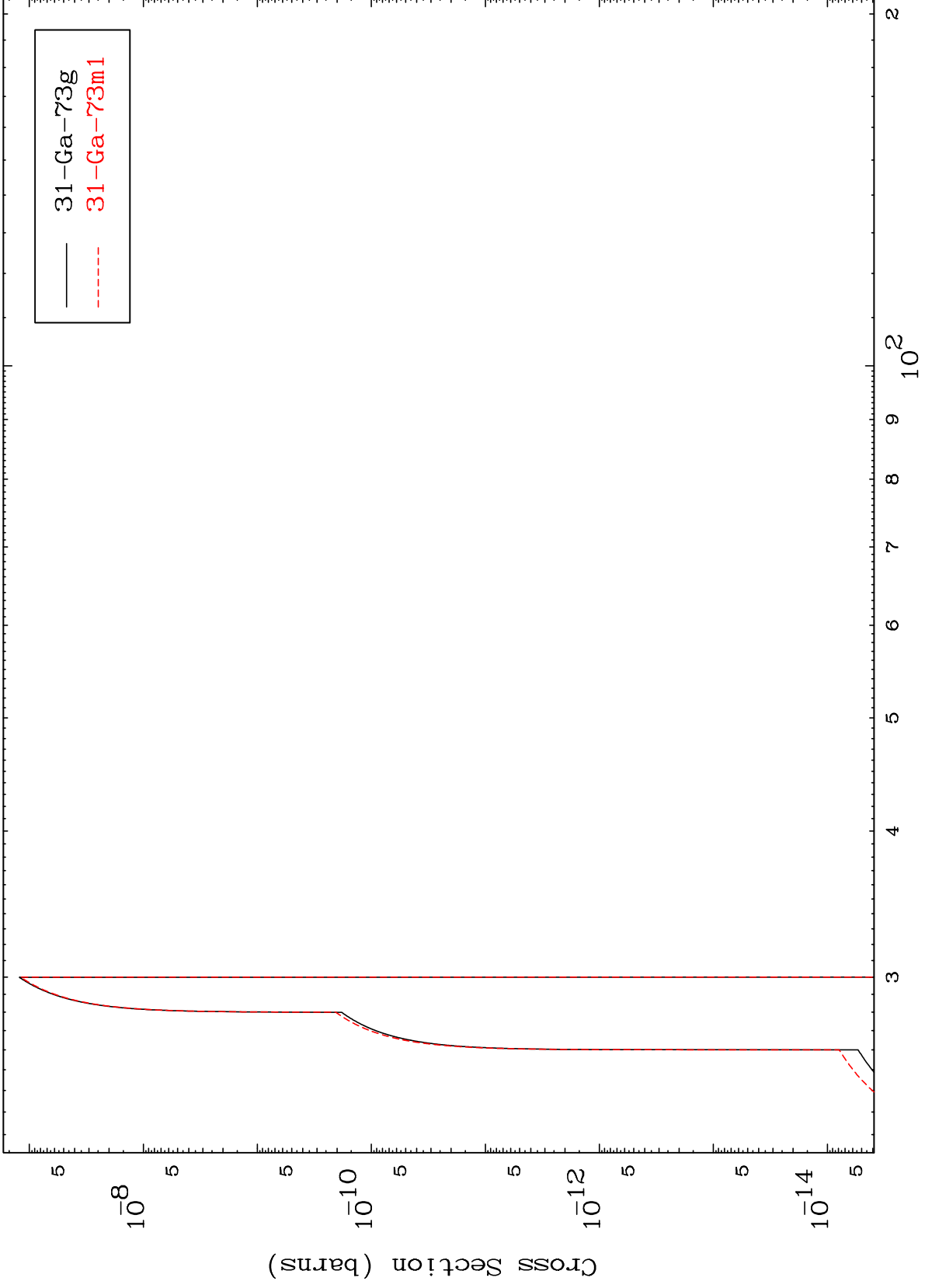
12

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$(n,3n) \alpha$

$^{31}\text{Ga-76}$

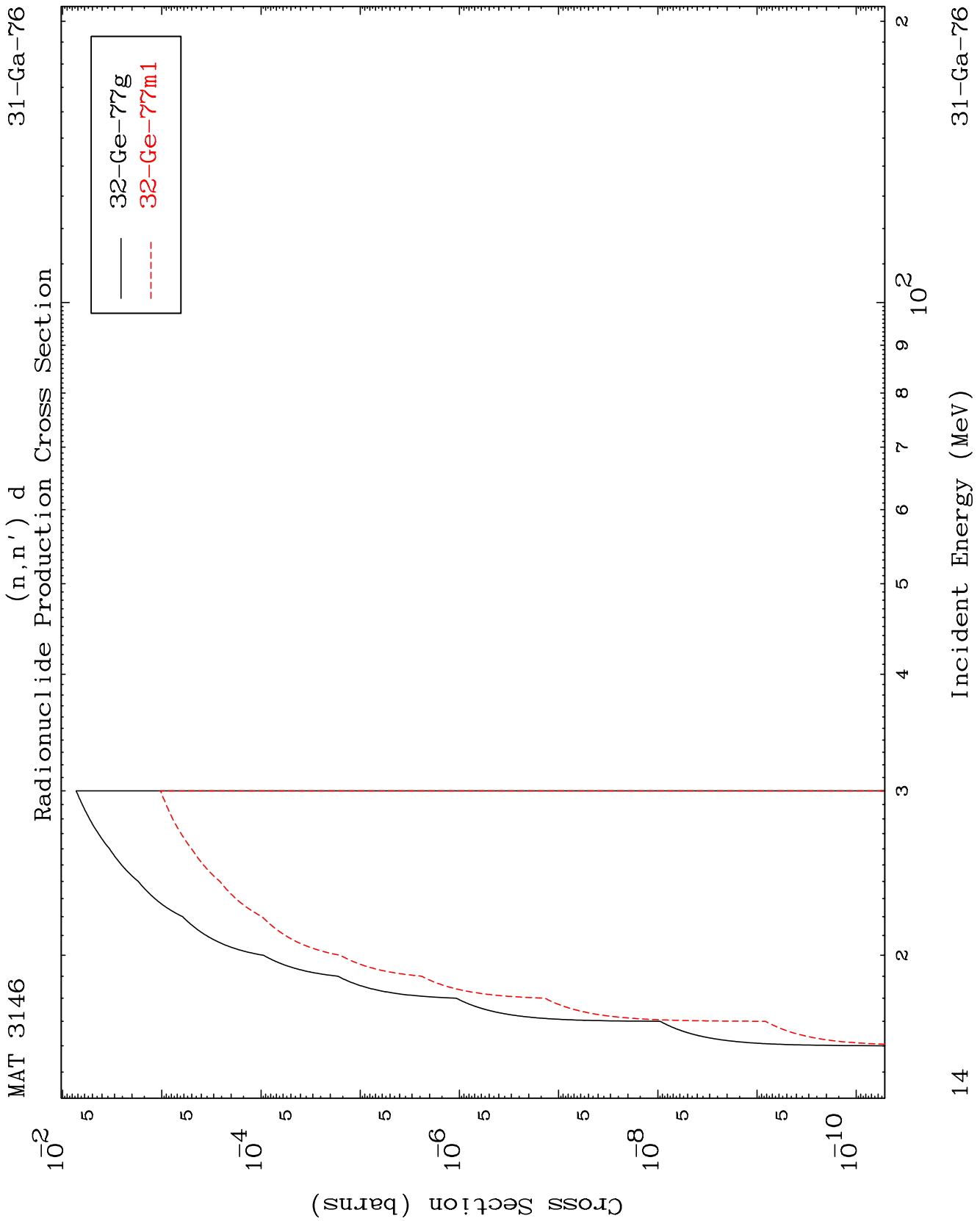
Radionuclide Production Cross Section



13

Incident Energy (MeV)

$^{31}\text{Ga-76}$

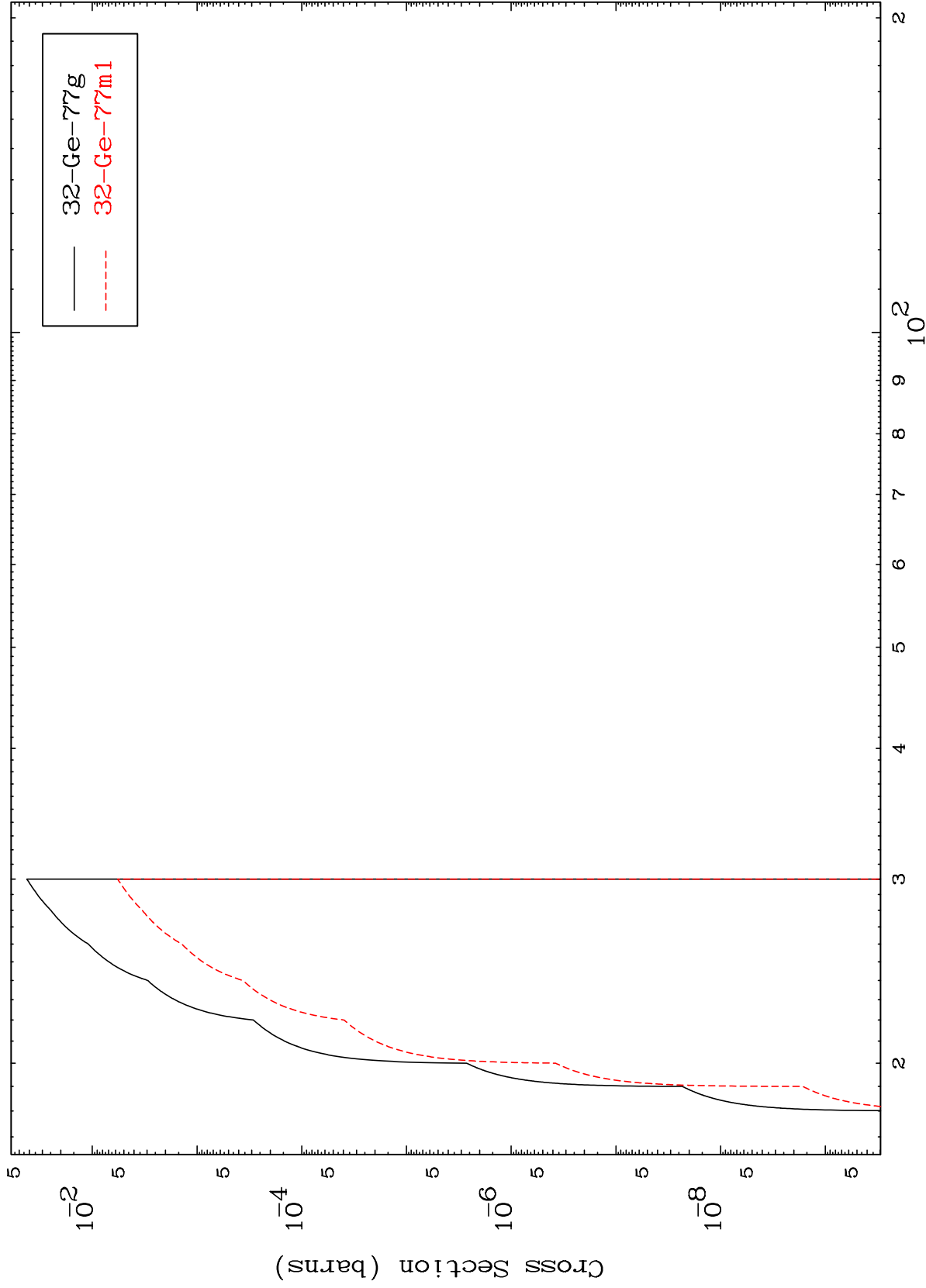


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(n,2n) p

31-Ga-76

Radionuclide Production Cross Section



15

Incident Energy (MeV)

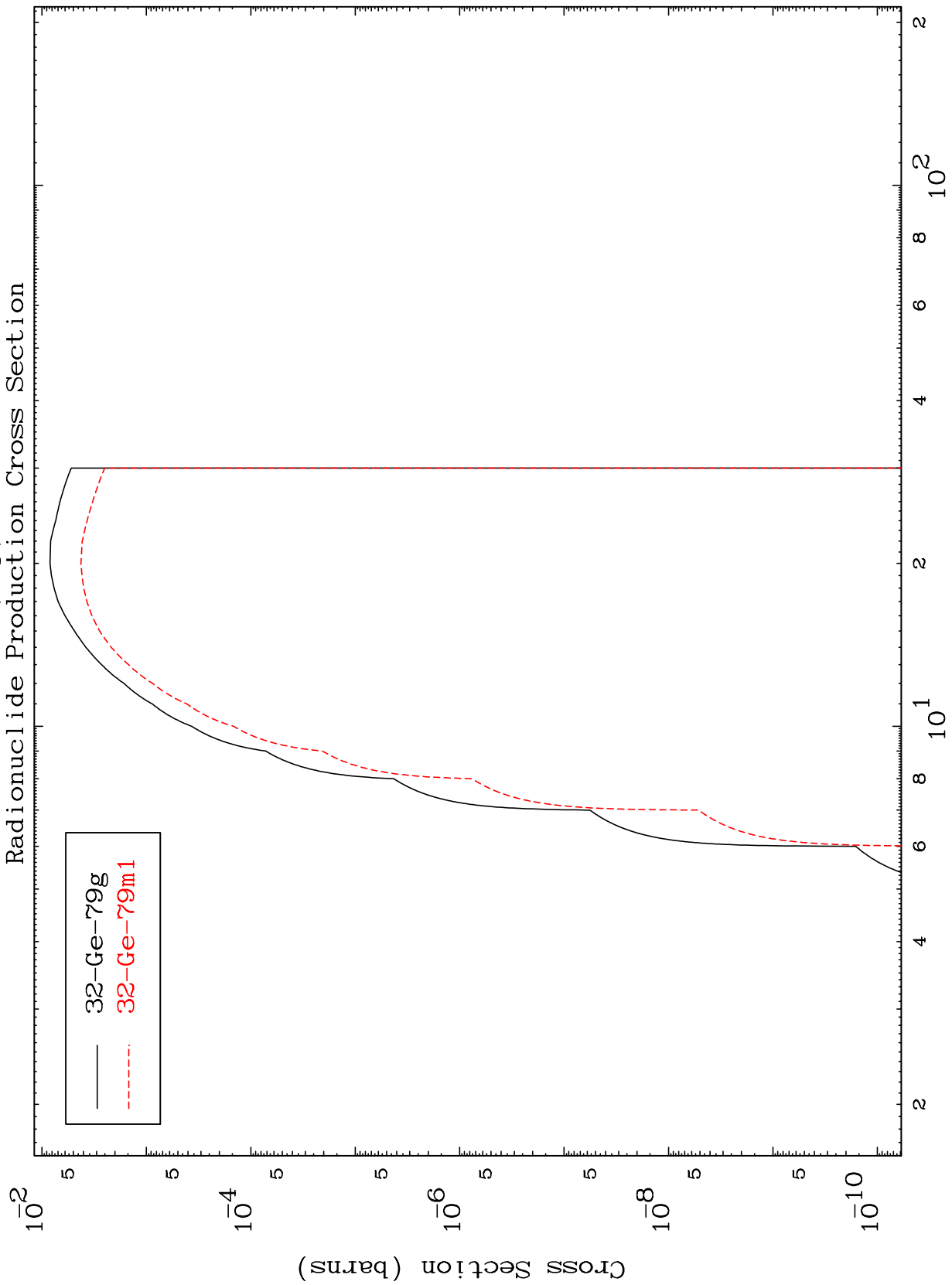
31-Ga-76



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<sup>31</sup>Ga-76

Radionuclide Production Cross Section (n,p)



— 32-Ge-79g  
- - - 32-Ge-79m1

<sup>31</sup>Ga-76

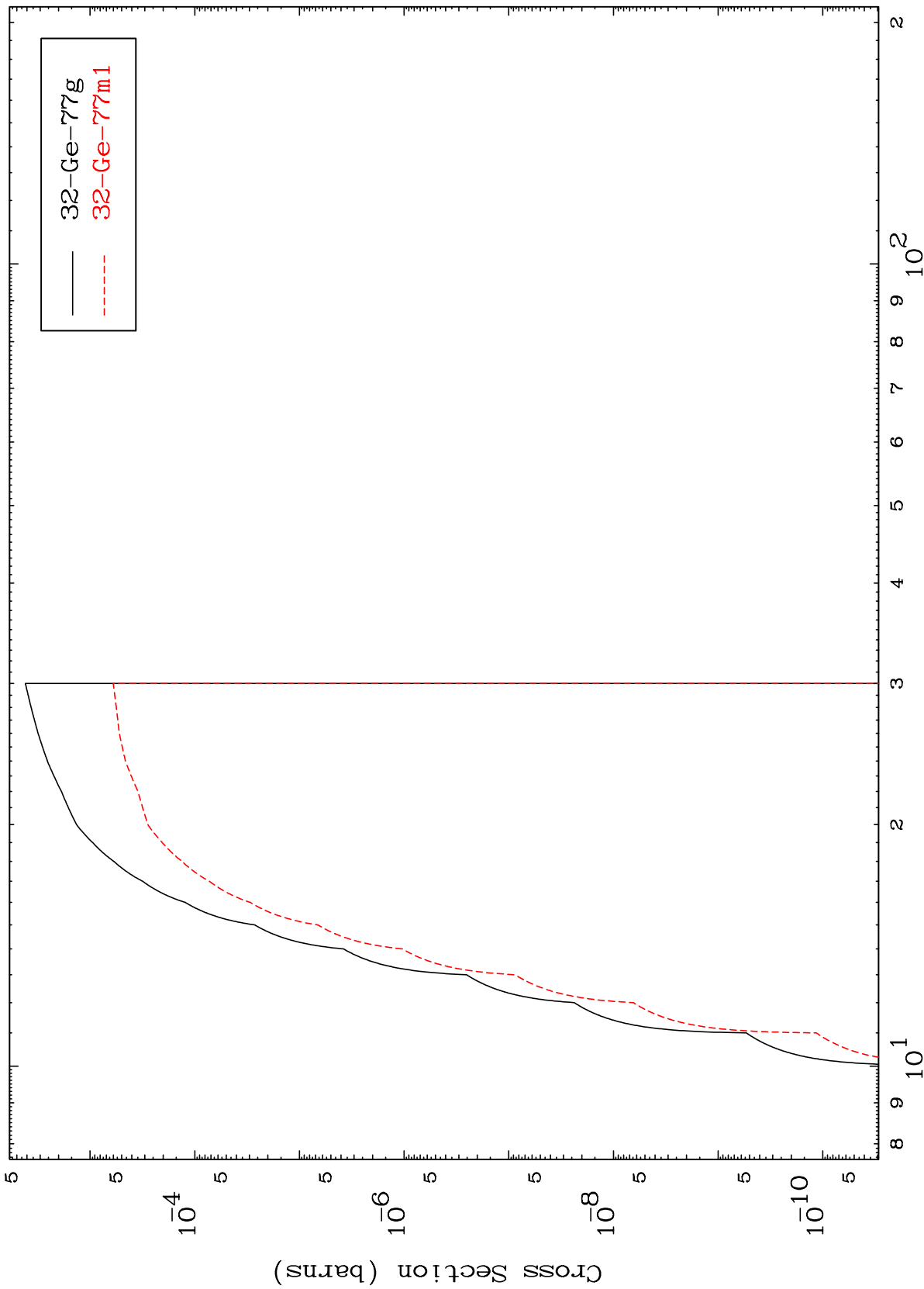
Incident Energy (MeV)

16

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31-Ga-76

(n, t)  
Radionuclide Production Cross Section



17

Incident Energy (MeV)

31-Ga-76