

Program EVALPLOT  
(Version 2021-1)

by

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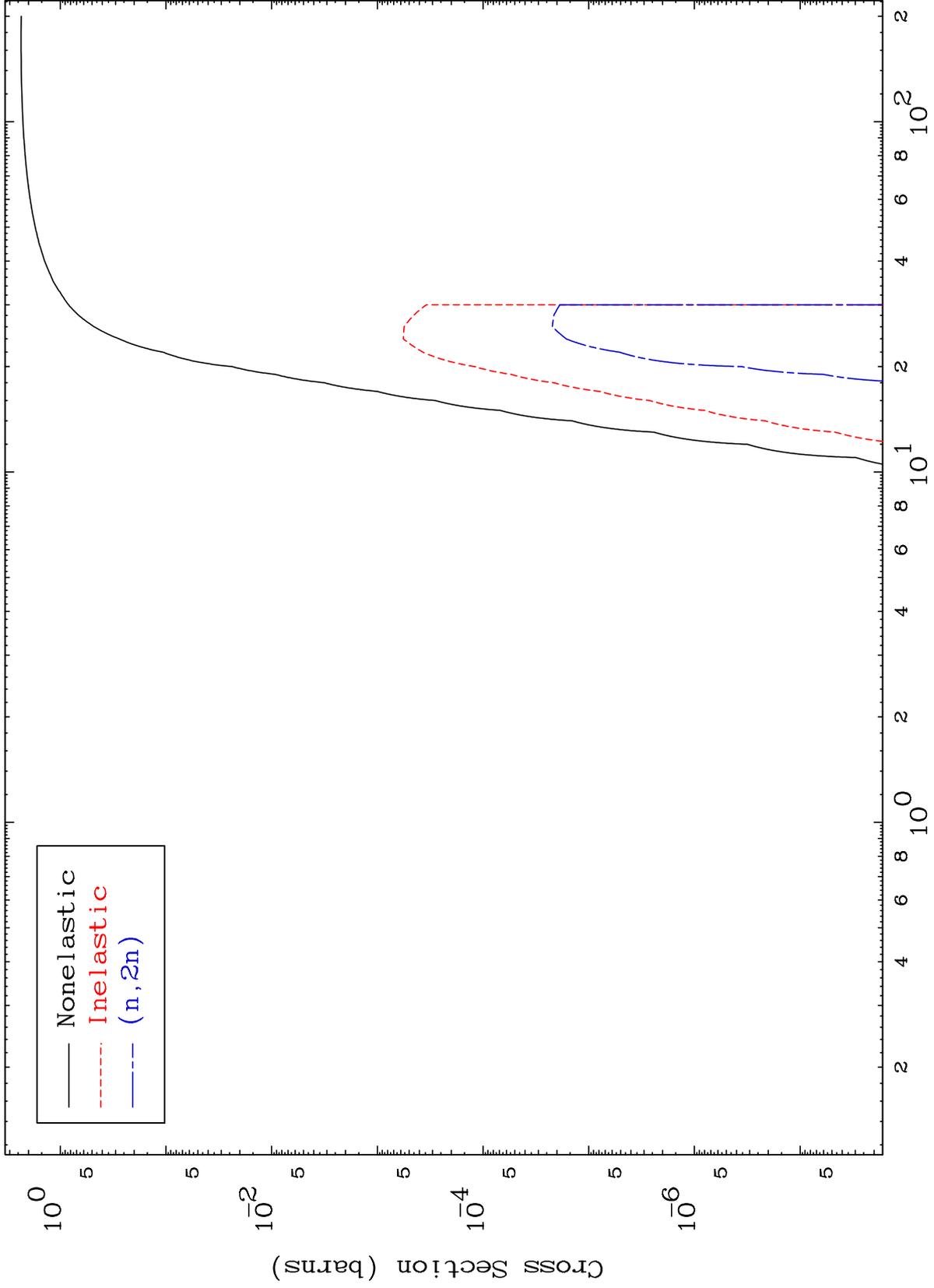
Press Mouse Button to Start

MAT 8278

He-3 Major

83-Bi-193m

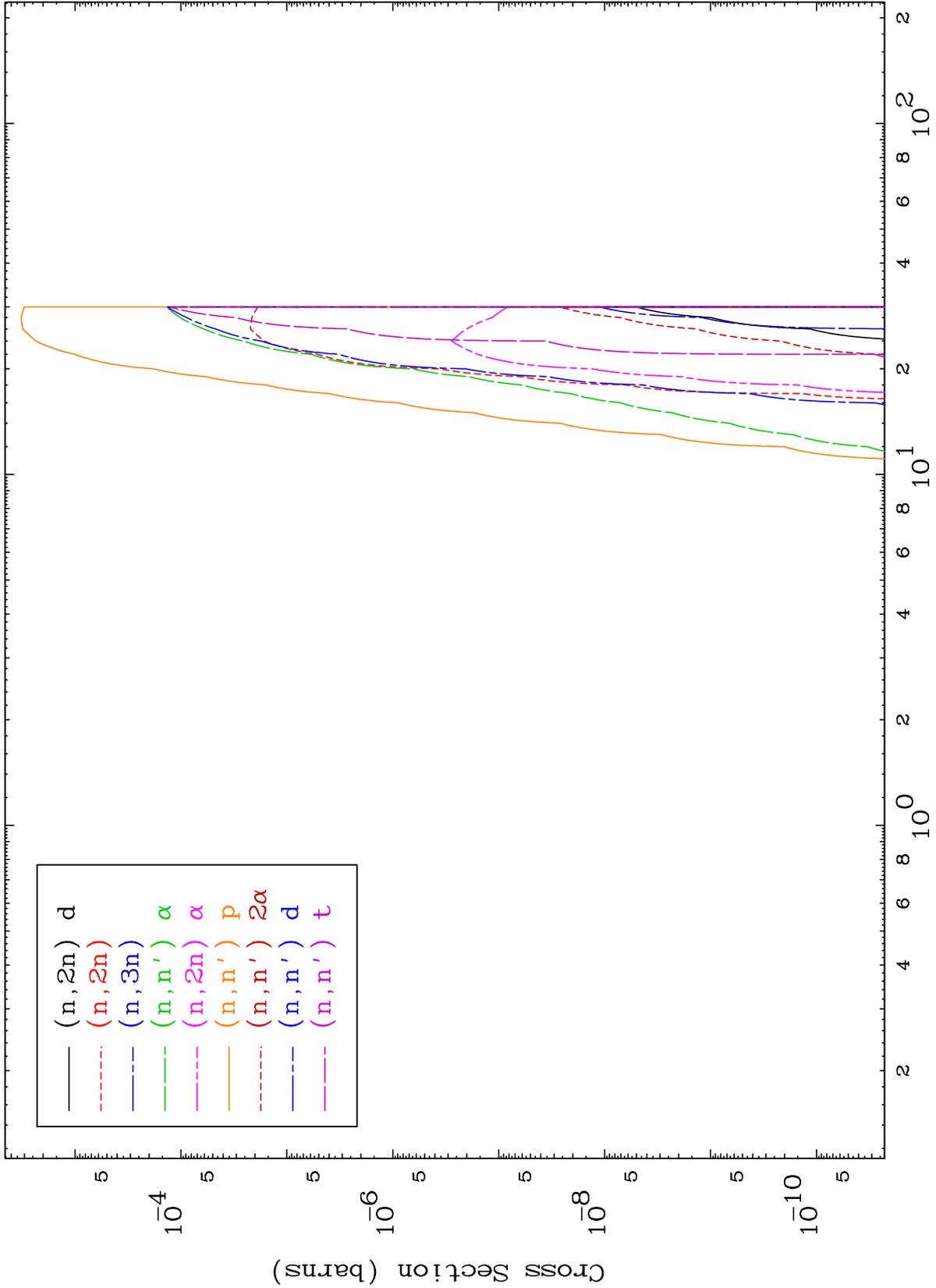
0 Kelvin Cross Sections



MAT 8278

He-3 Neutron Absorption  
0 Kelvin Cross Sections

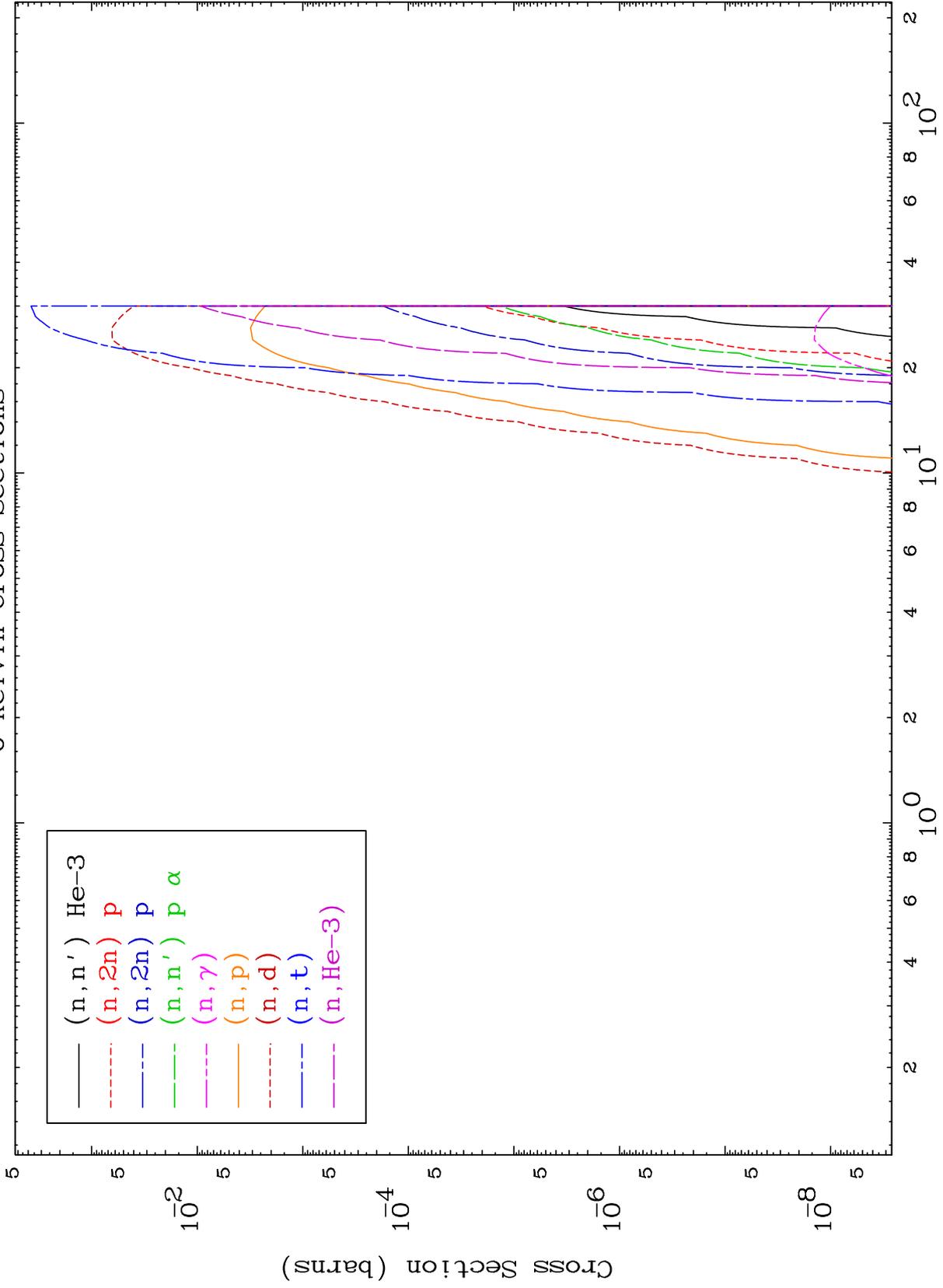
83-Bi-193m



MAT 8278

He-3 Neutron Absorption  
0 Kelvin Cross Sections

83-Bi-193m



3

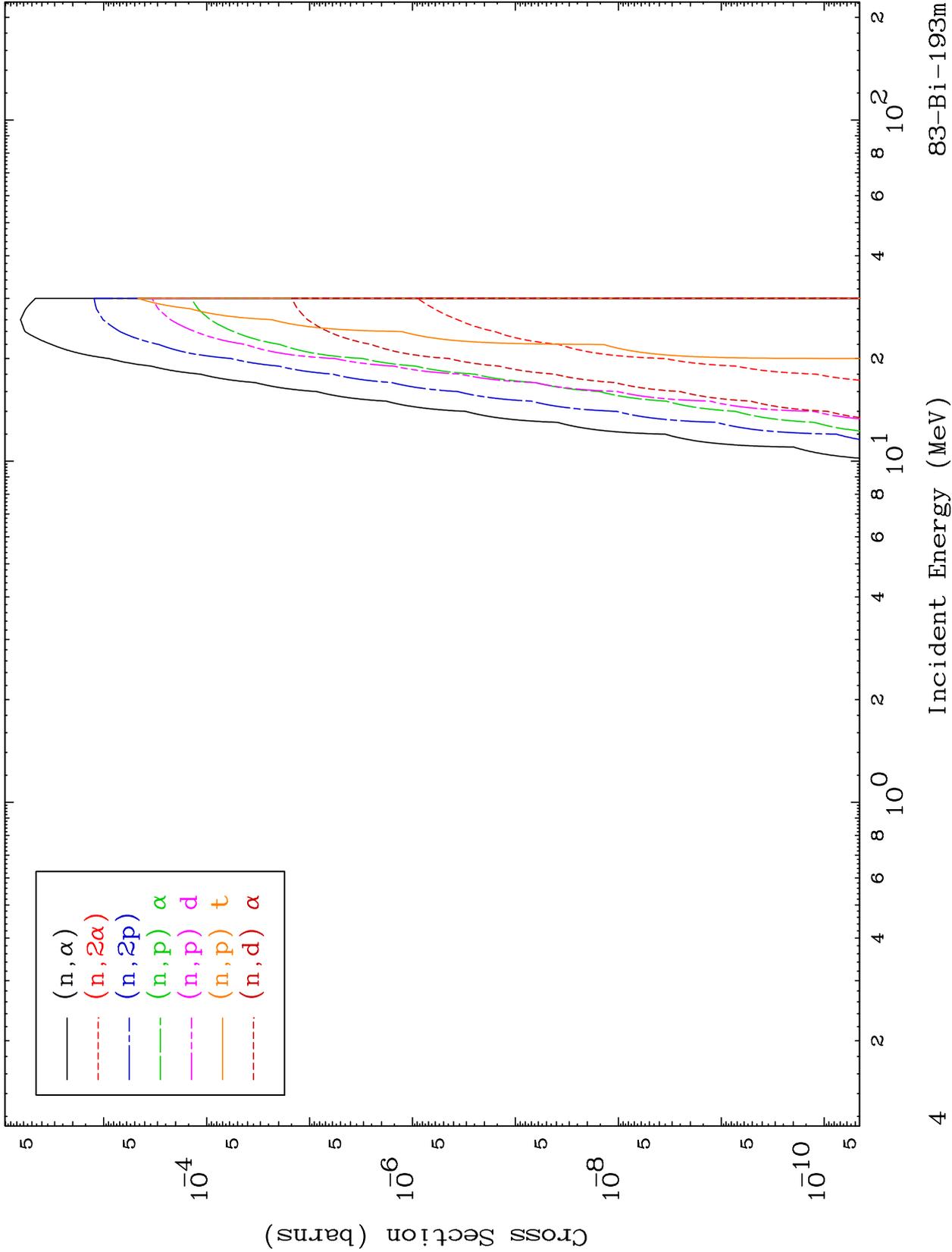
Incident Energy (MeV)

83-Bi-193m

MAT 8278

He-3 Neutron Absorption  
0 Kelvin Cross Sections

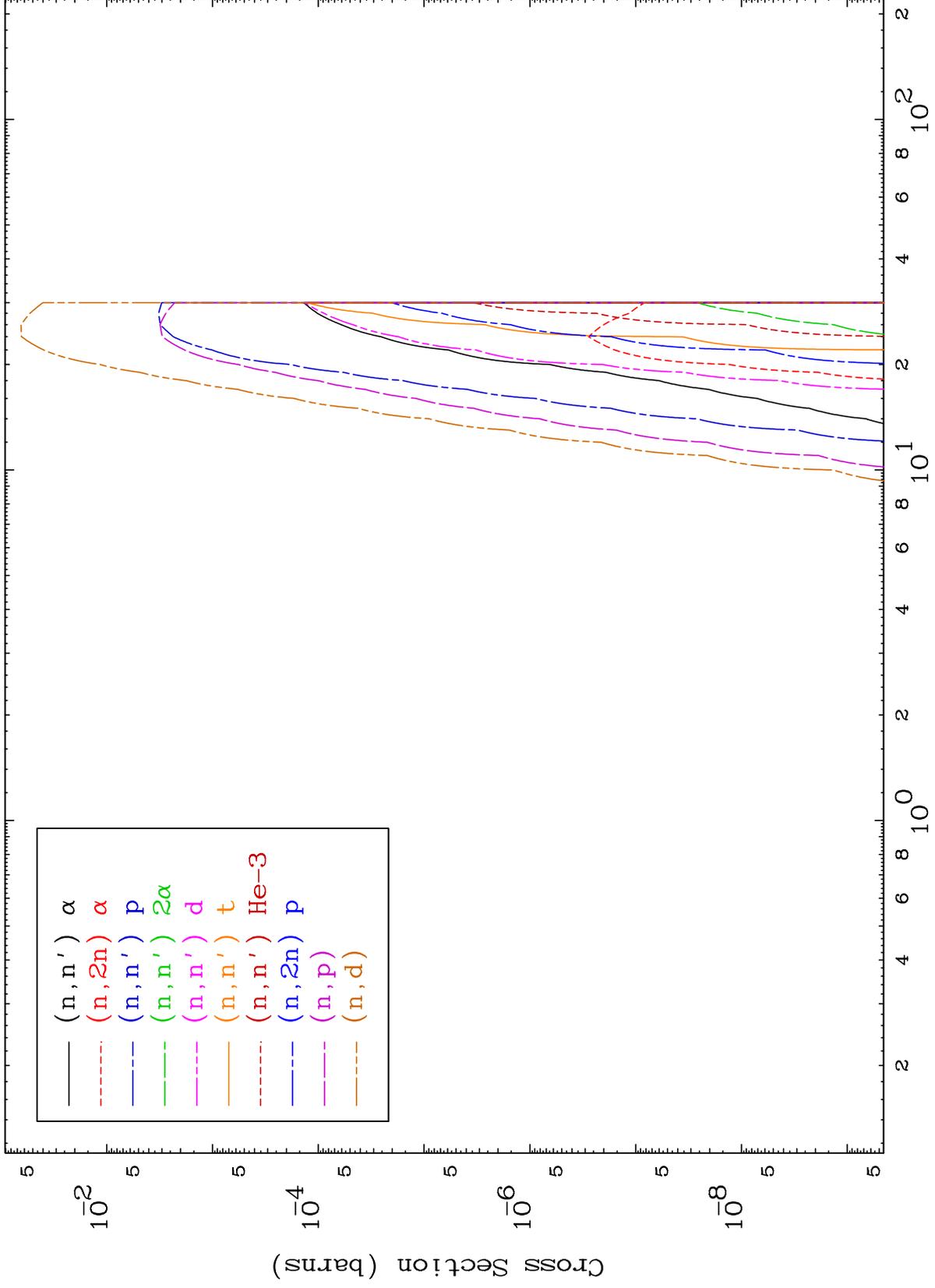
83-Bi-193m



MAT 8278

He-3 Charged Particle  
0 Kelvin Cross Sections

83-Bi-193m



5

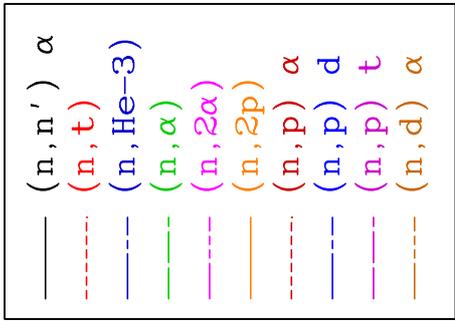
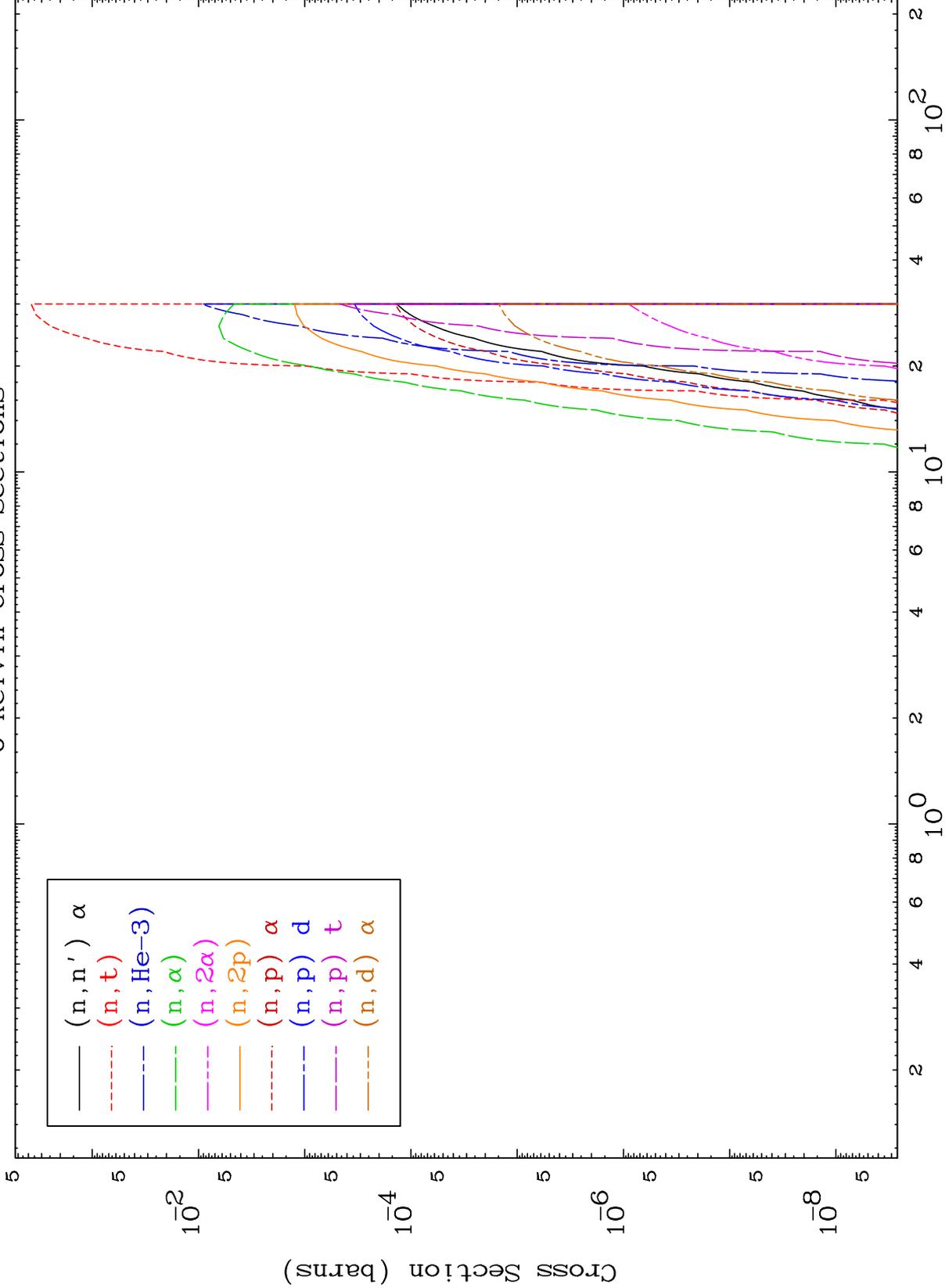
Incident Energy (MeV)

83-Bi-193m

MAT 8278

He-3 Charged Particle  
0 Kelvin Cross Sections

83-Bi-193m



83-Bi-193m

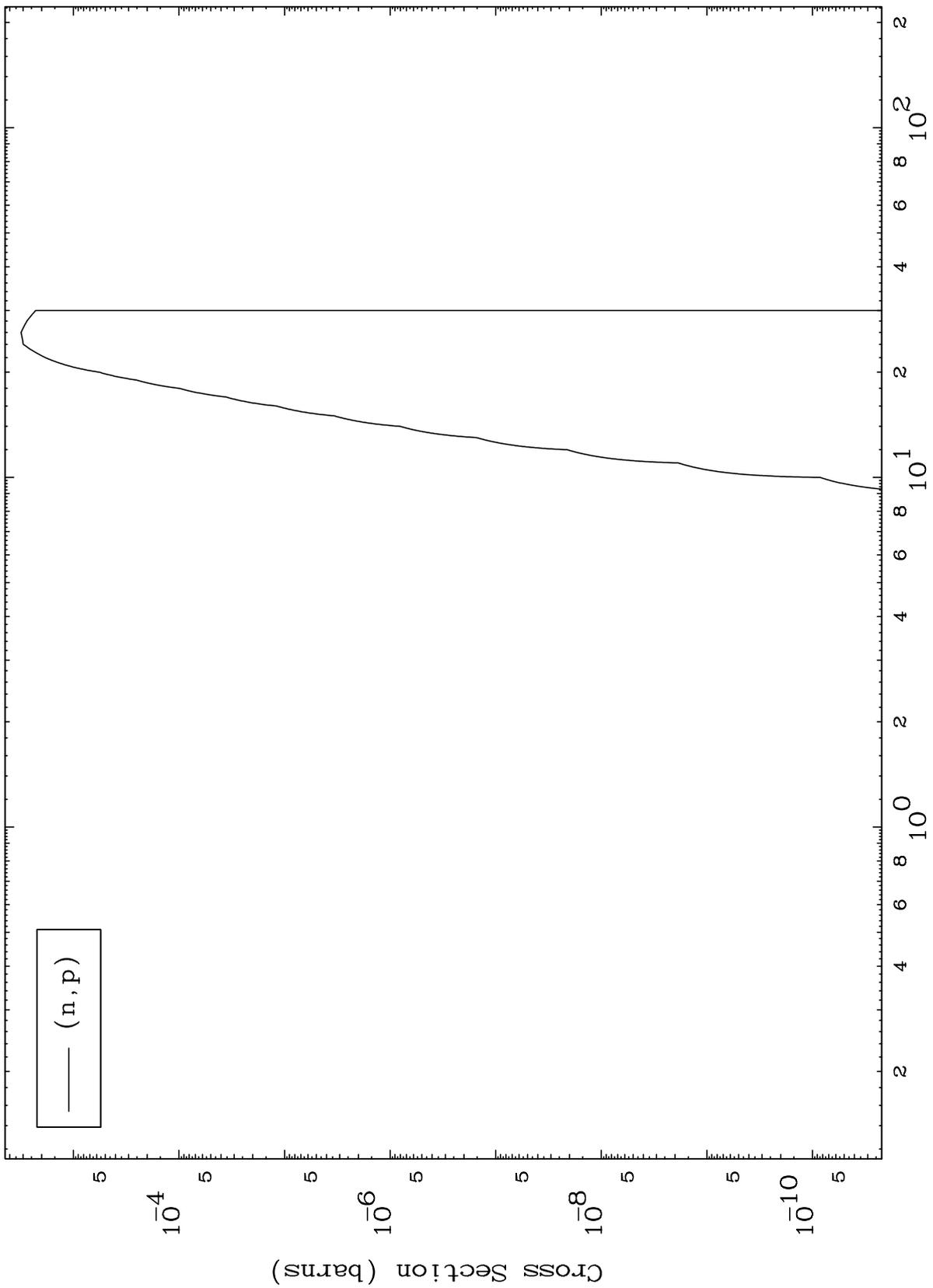
Incident Energy (MeV)

MAT 8278

(He-3,p) Levels

83-Bi-193m

0 Kelvin Cross Sections

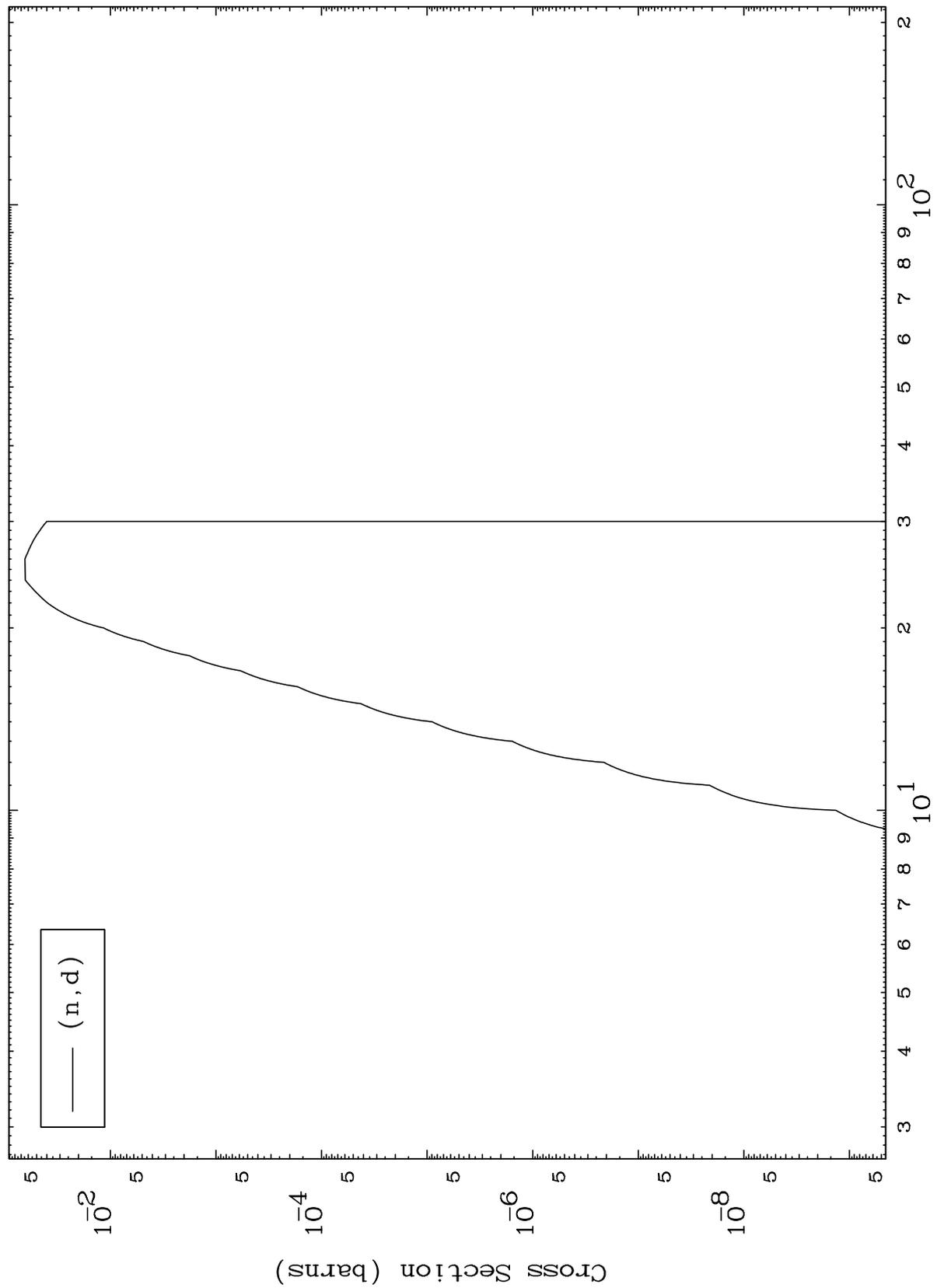


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(He-3,d) Levels

83-Bi-193m

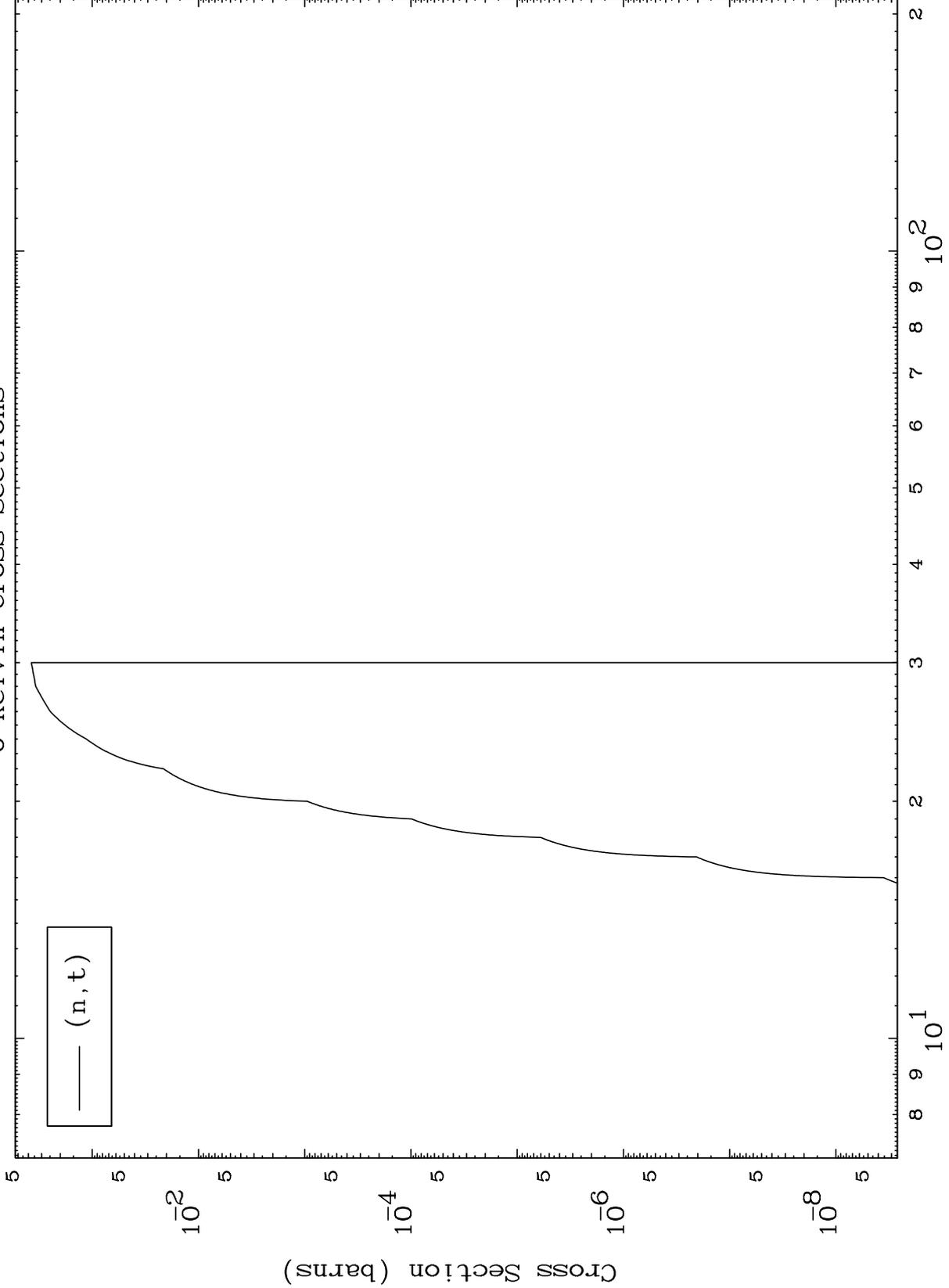
0 Kelvin Cross Sections



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(He-3,t) Levels  
0 Kelvin Cross Sections

83-Bi-193m



9

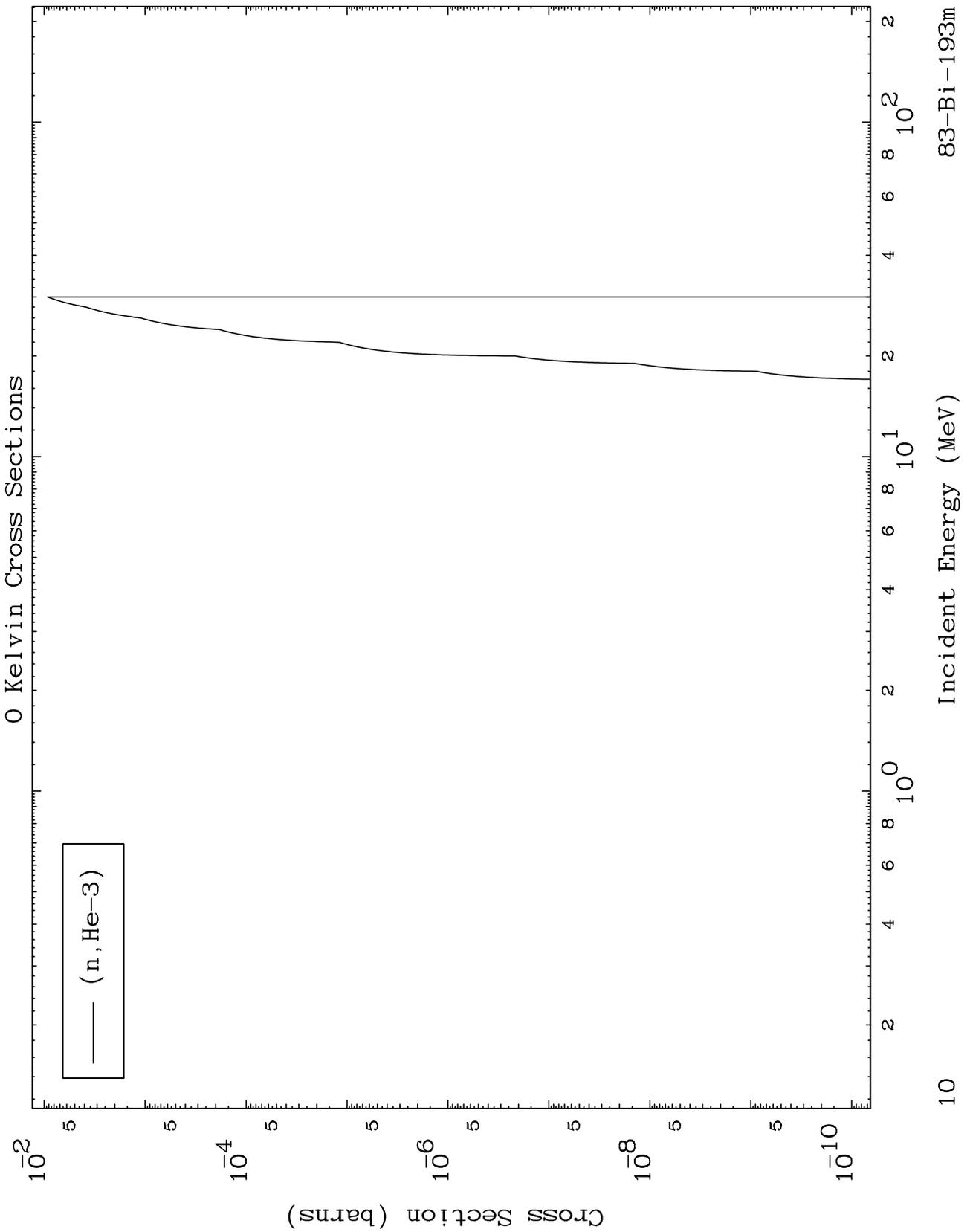
Incident Energy (MeV)

83-Bi-193m

MAT 8278

(He-3, He3) Levels

83-Bi-193m



10

Incident Energy (MeV)

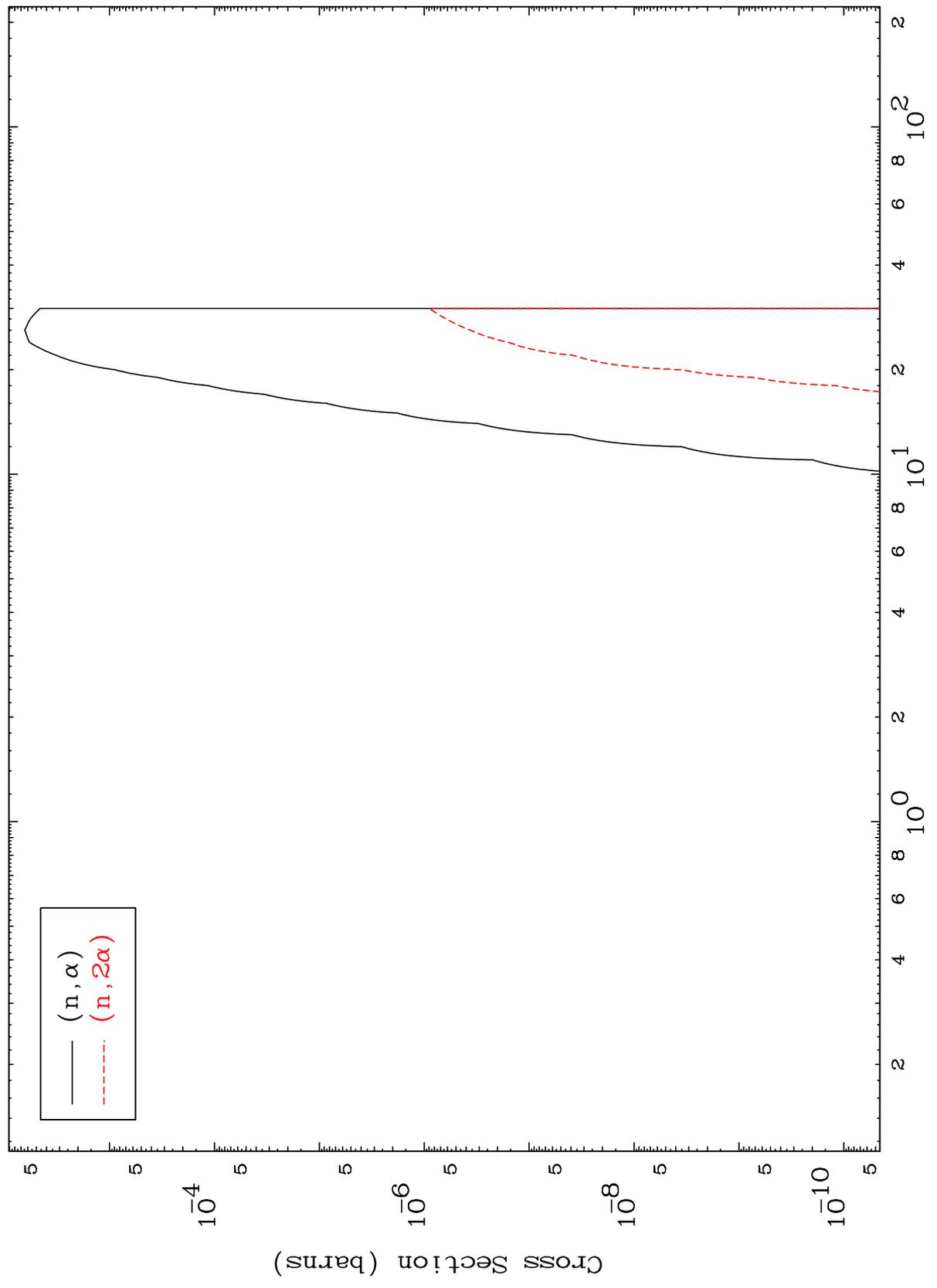
83-Bi-193m

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(He-3,  $\alpha$ ) Levels

83-Bi-193m

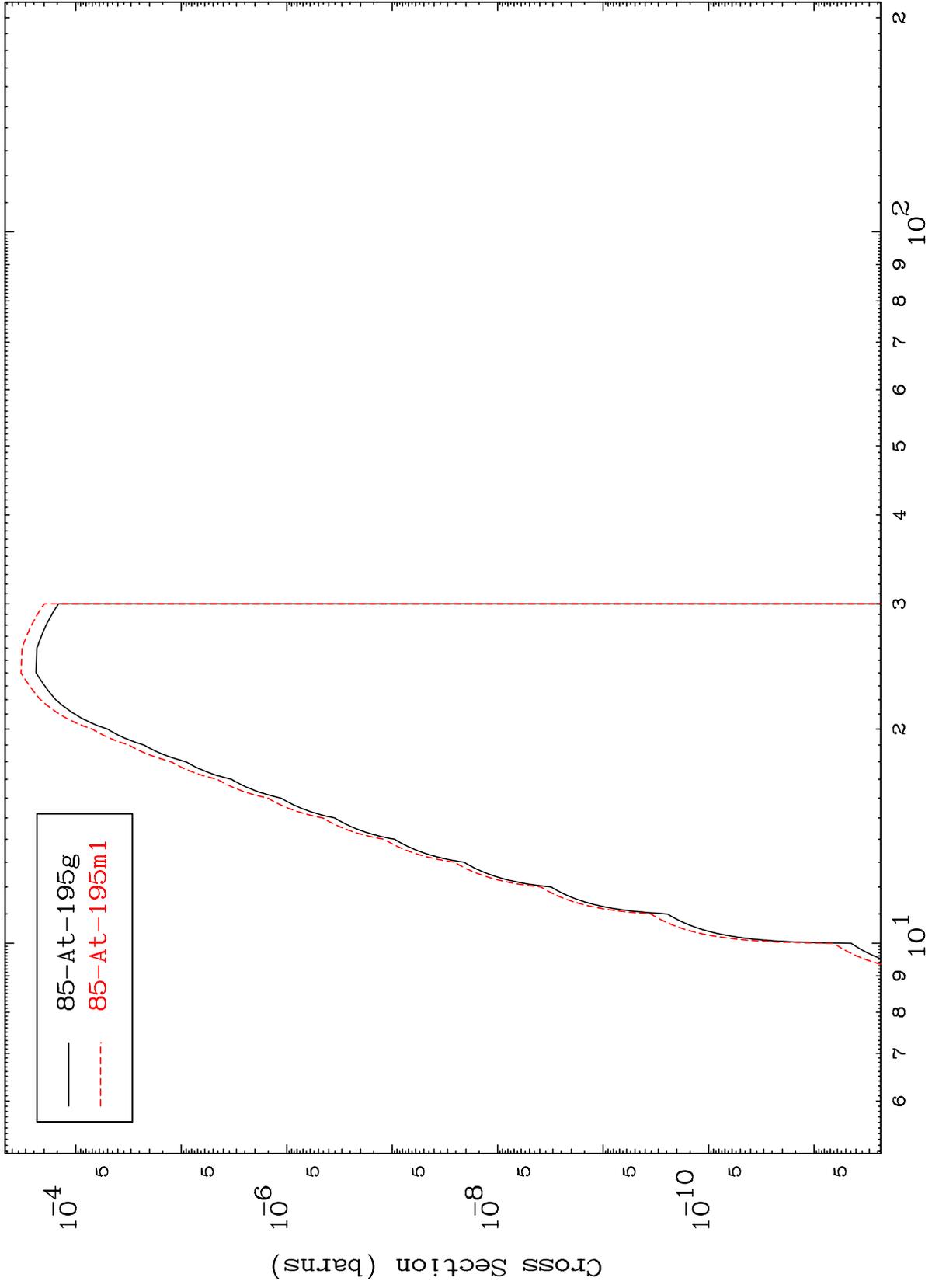
0 Kelvin Cross Sections



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83-Bi-193m

Inelastic  
Radionuclide Production Cross Section



12

83-Bi-193m

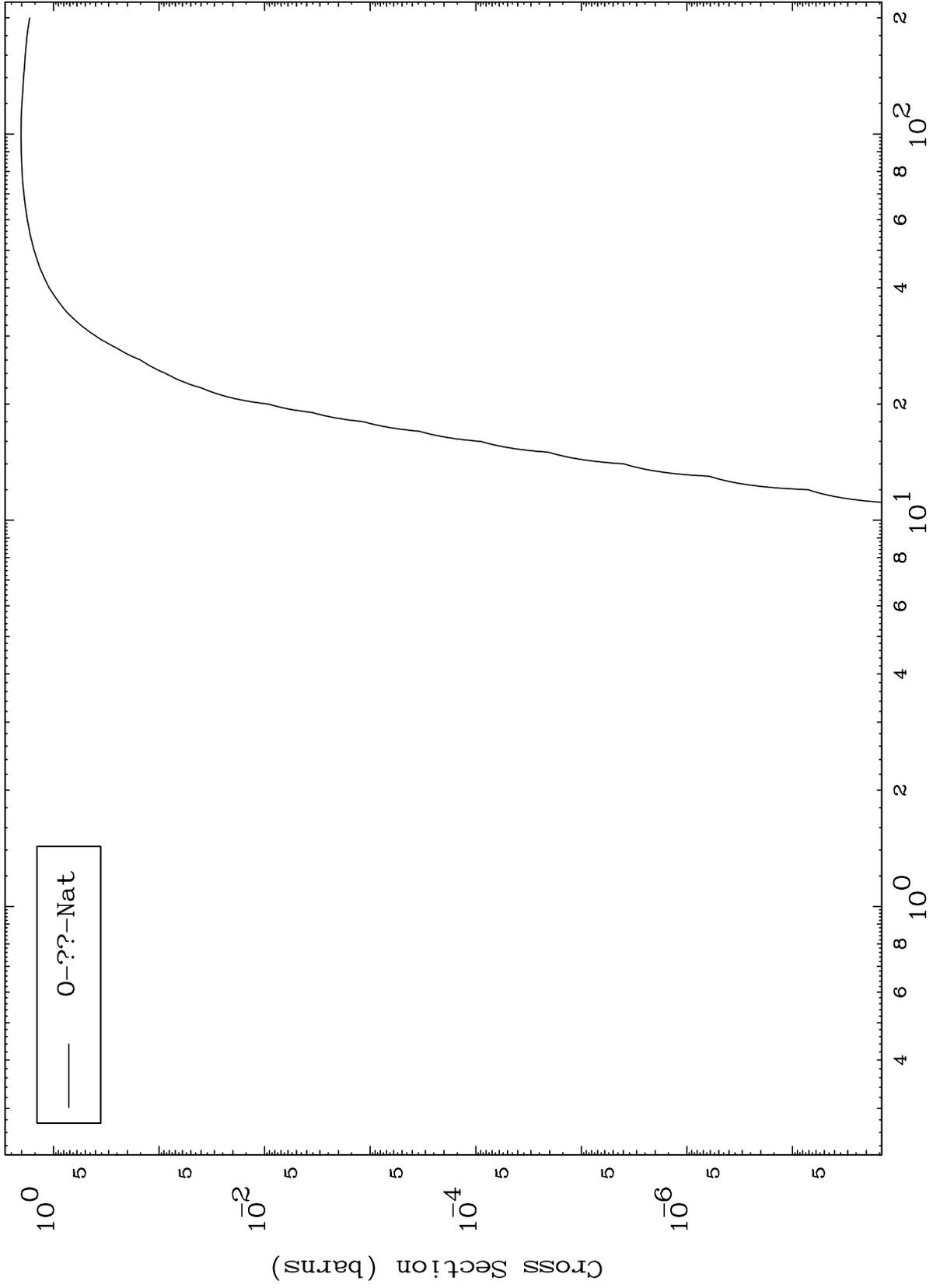
Incident Energy (MeV)

MAT 8278

Fission

<sup>83</sup>Bi-193m

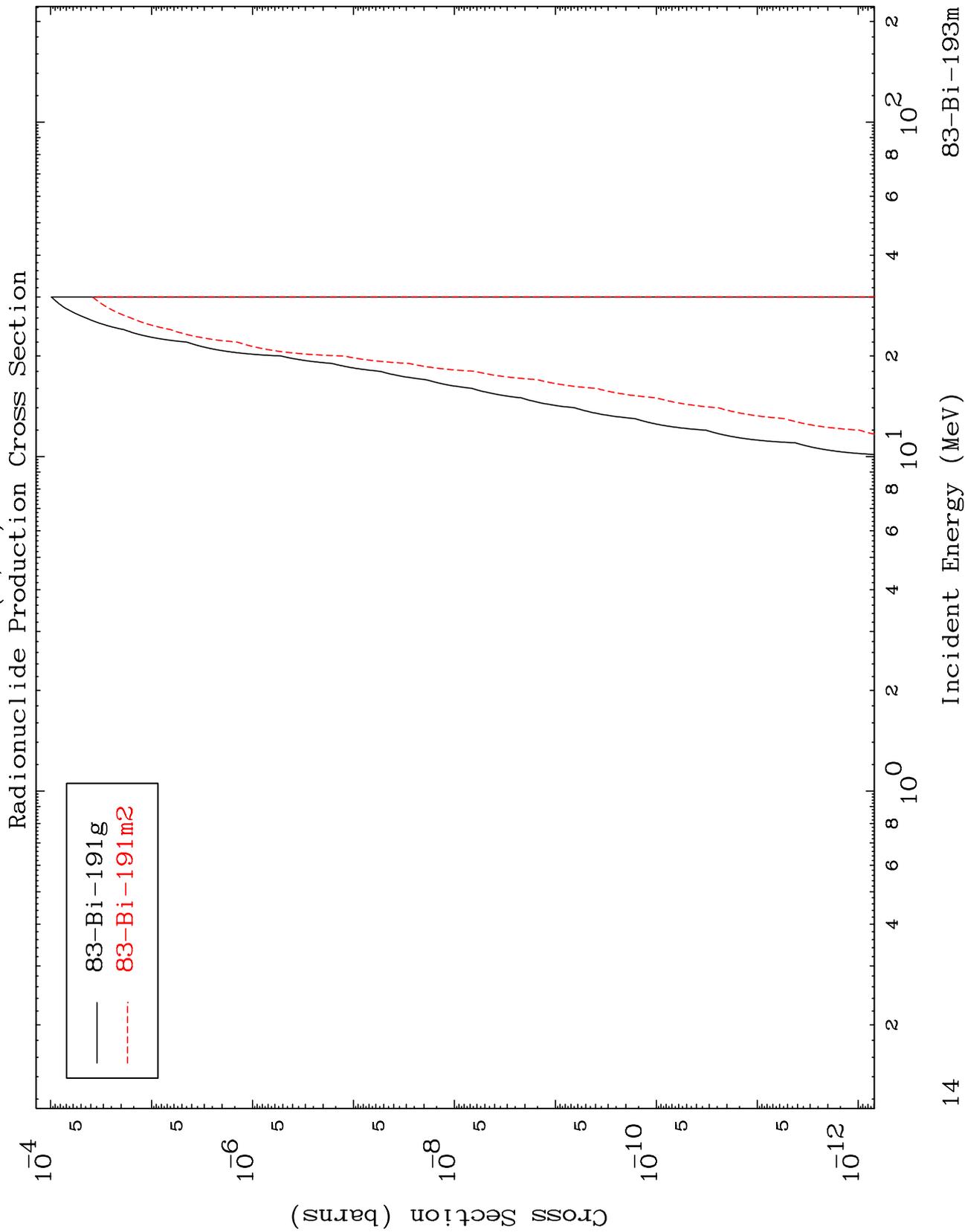
Radionuclide Production Cross Section



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$(n, n') \alpha$

$^{83}\text{Bi}-193\text{m}$

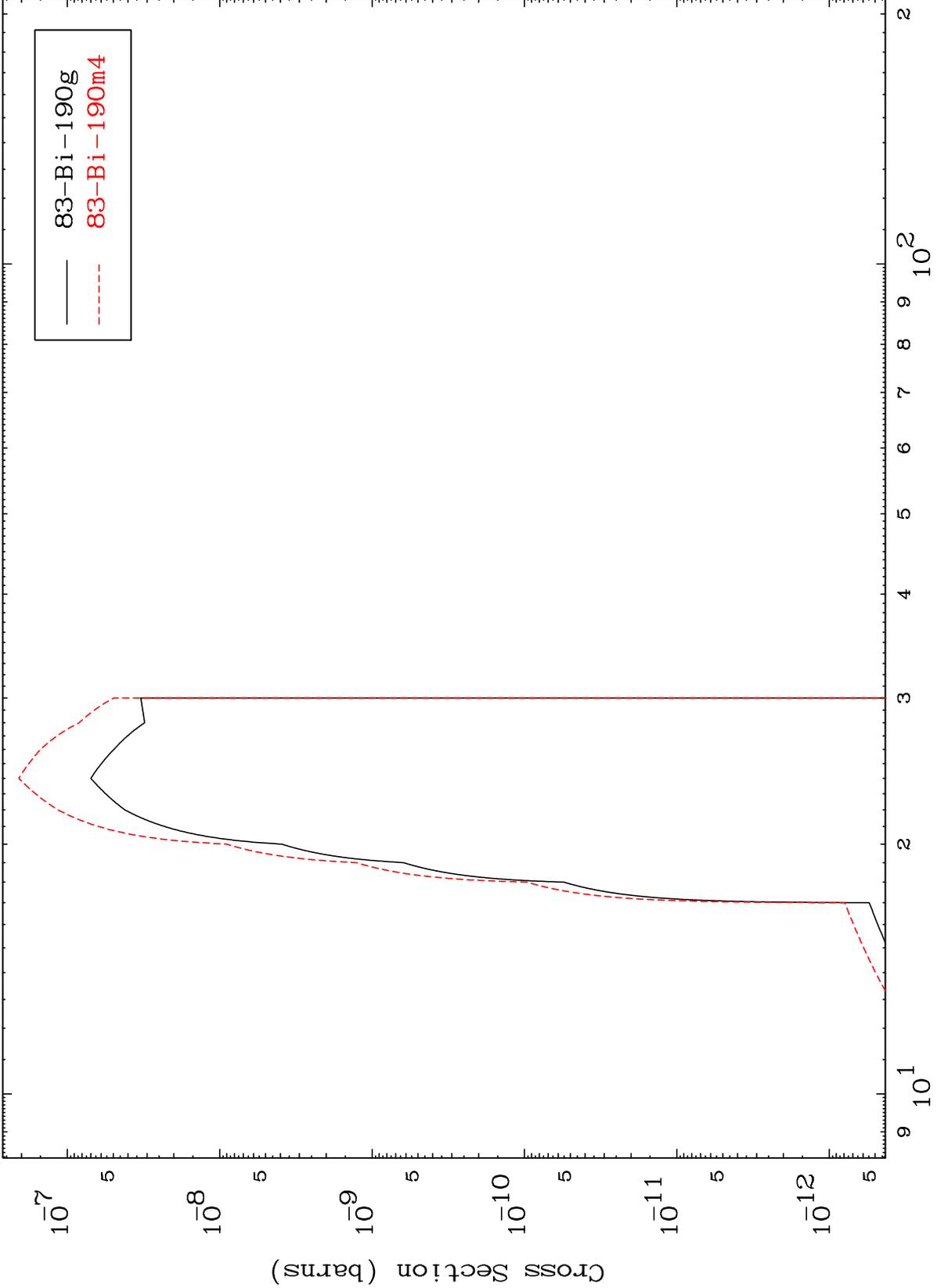


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(n,2n)  $\alpha$

83-Bi-193m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

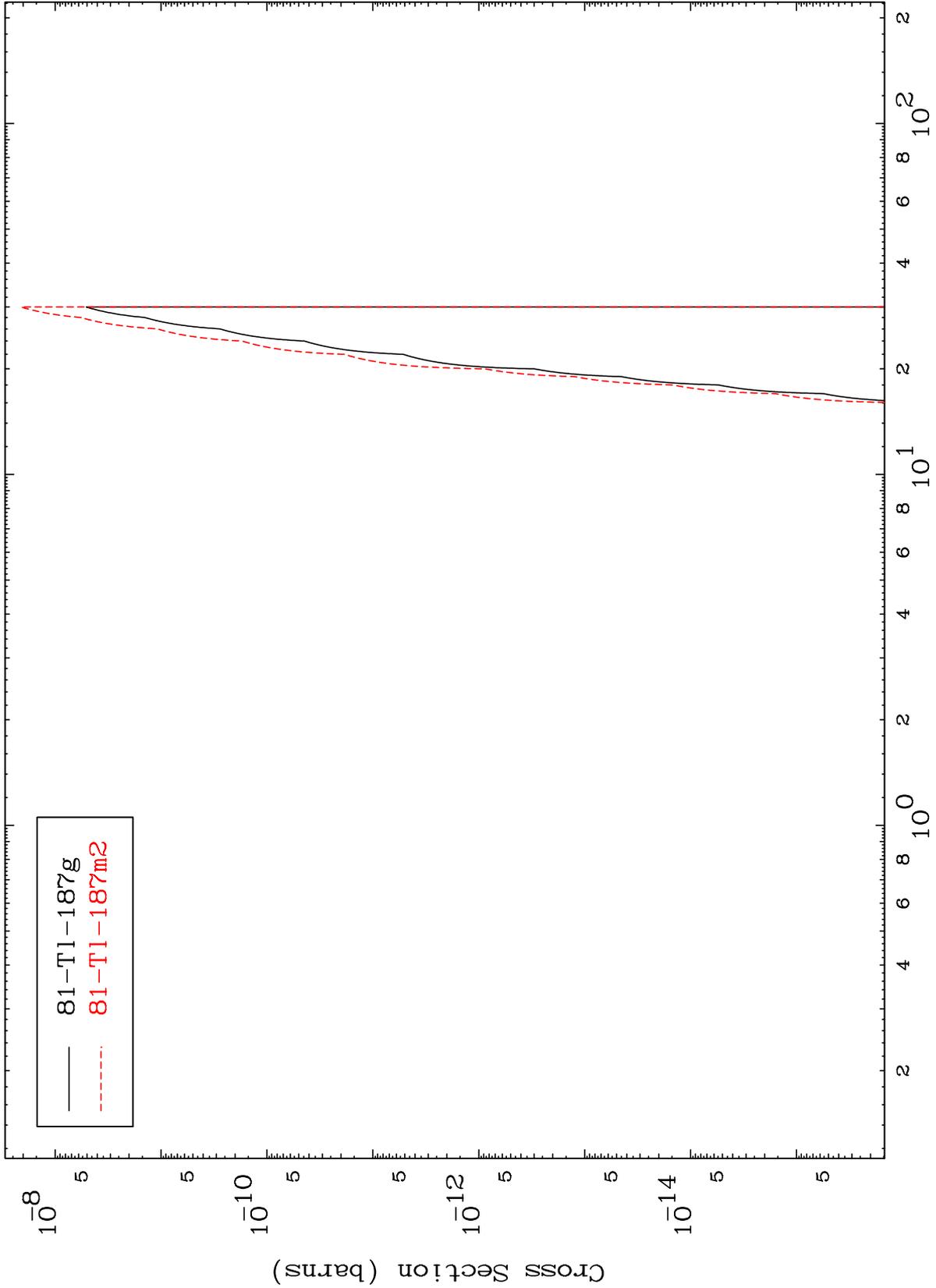
83-Bi-193m

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(n,n') 2 $\alpha$

83-Bi-193m

Radionuclide Production Cross Section

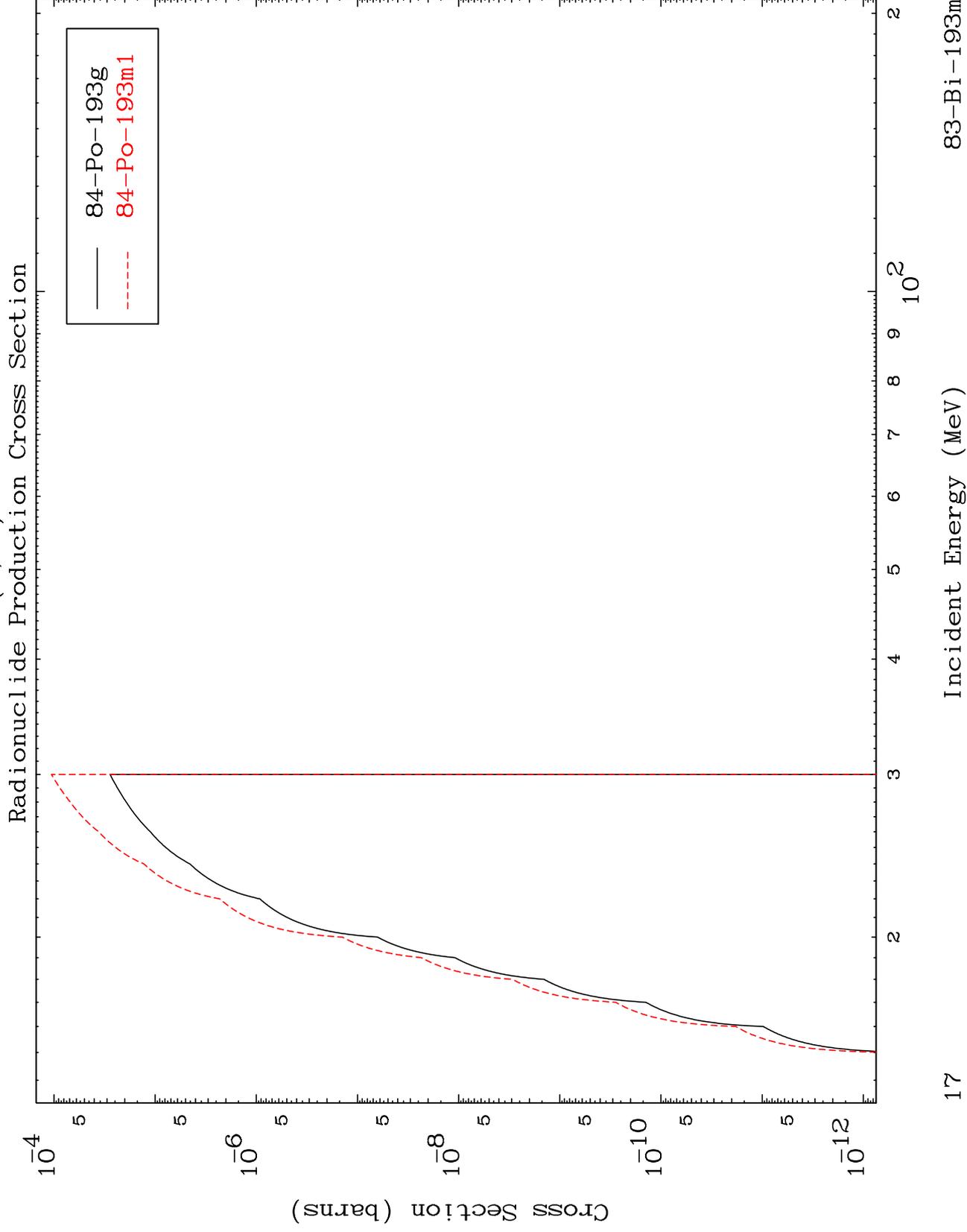


81-Tl-187g  
81-Tl-187m2

MAT 8278

(n,n') d

83-Bi-193m



17

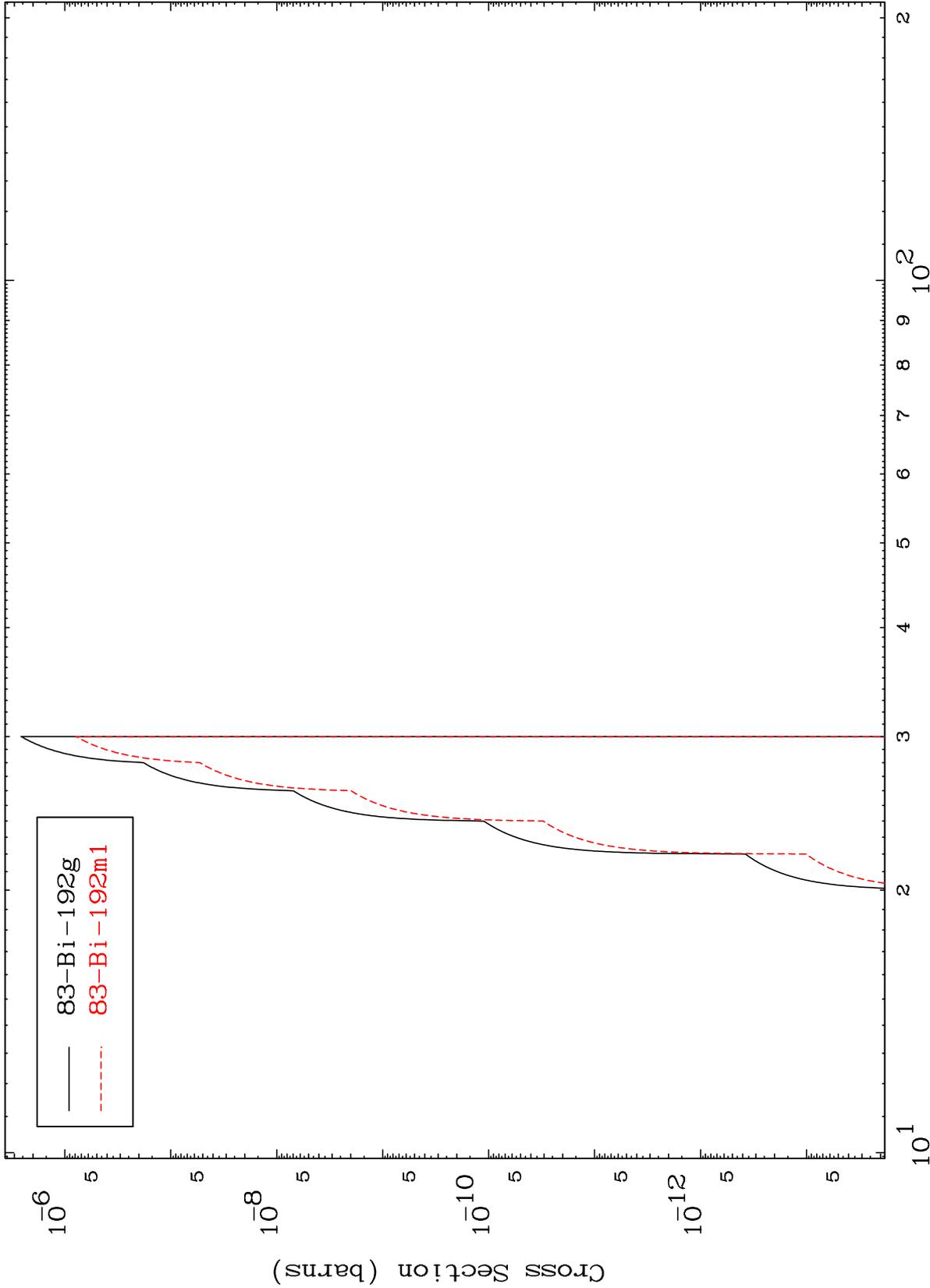
83-Bi-193m

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(n,n') He-3

83-Bi-193m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

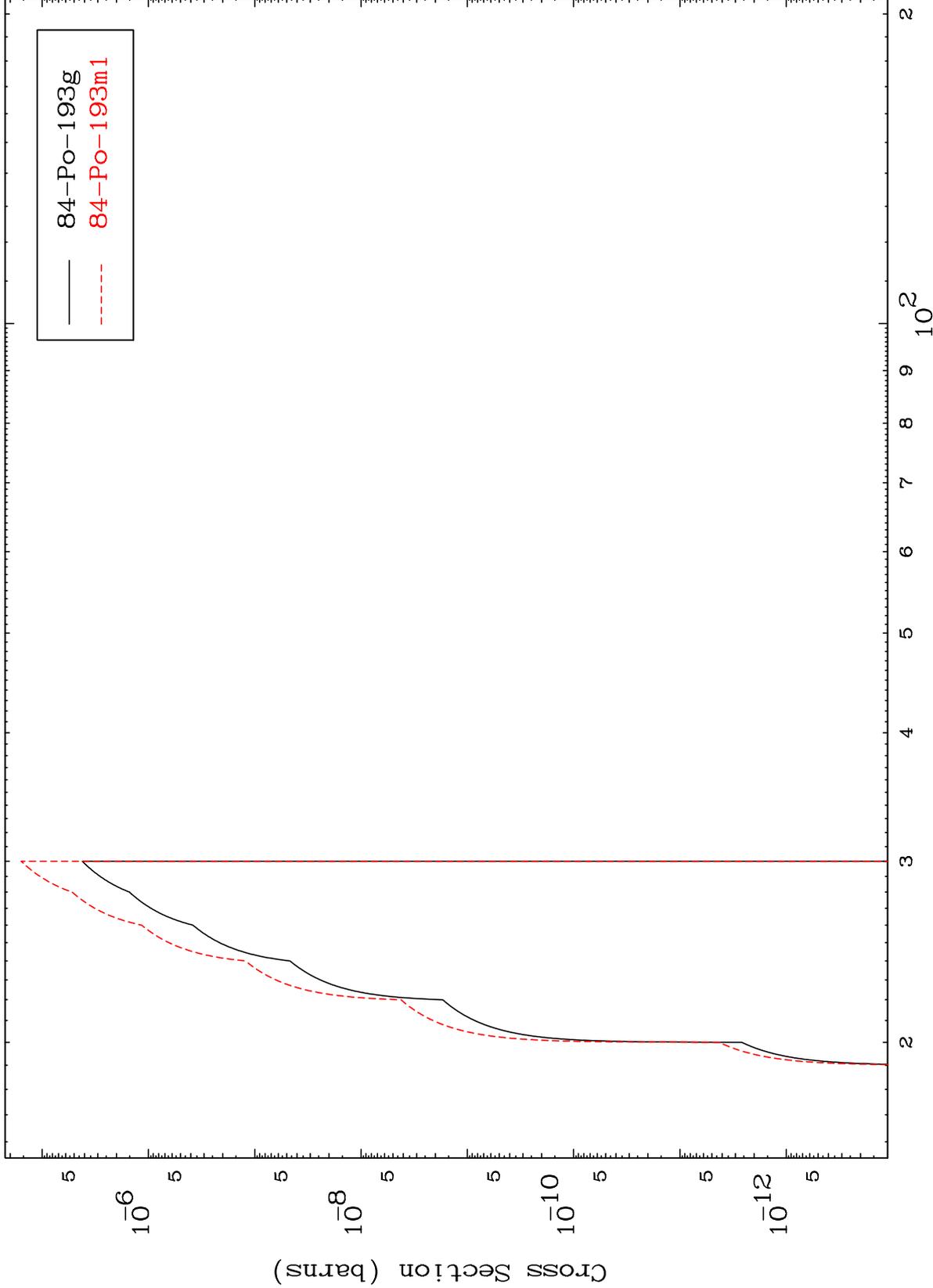
83-Bi-193m

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(n,2n) p

83-Bi-193m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

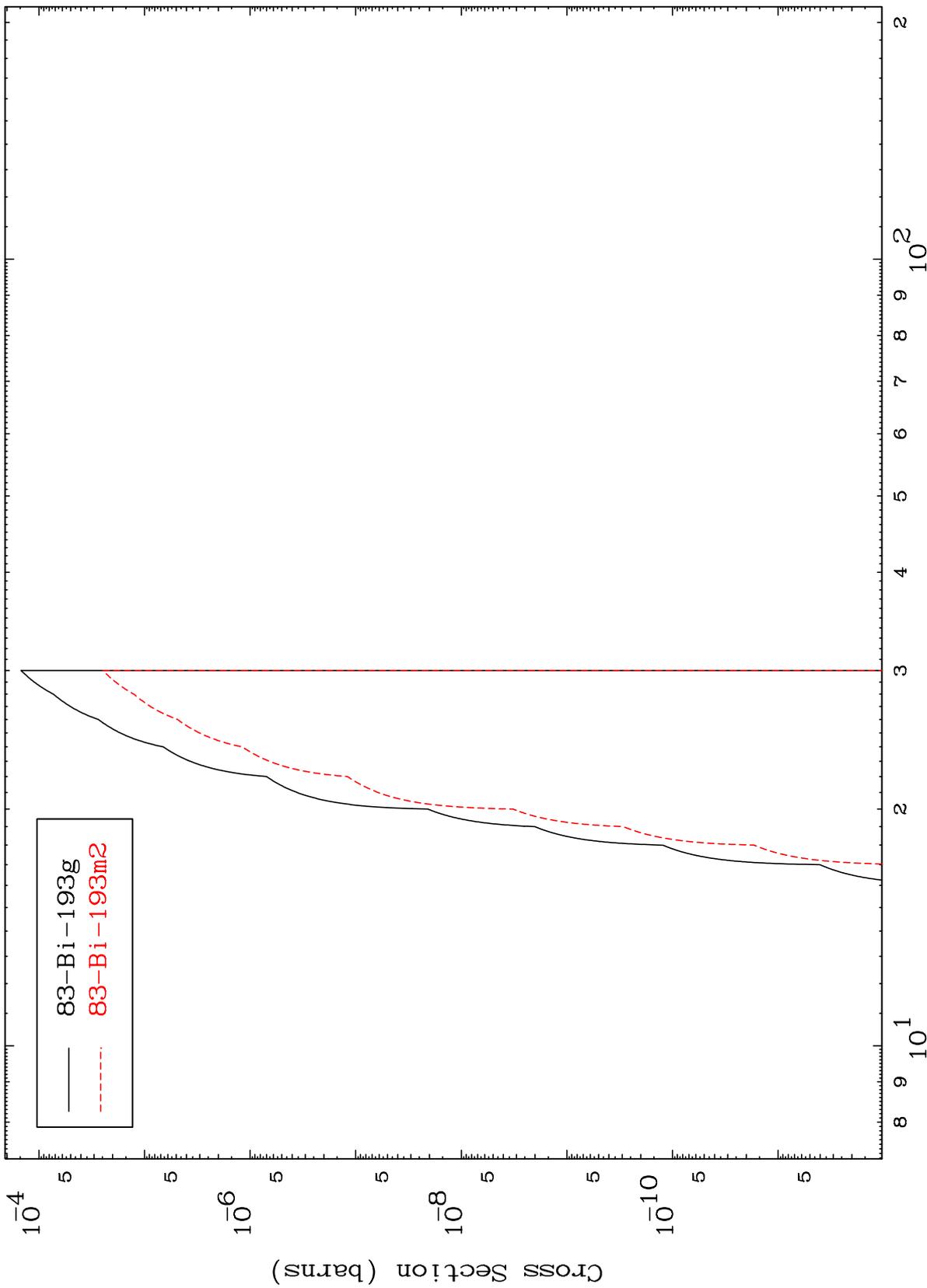
83-Bi-193m

MAT 8278

(n,2n) p

83-Bi-193m

Radionuclide Production Cross Section



83-Bi-193g  
83-Bi-193m2

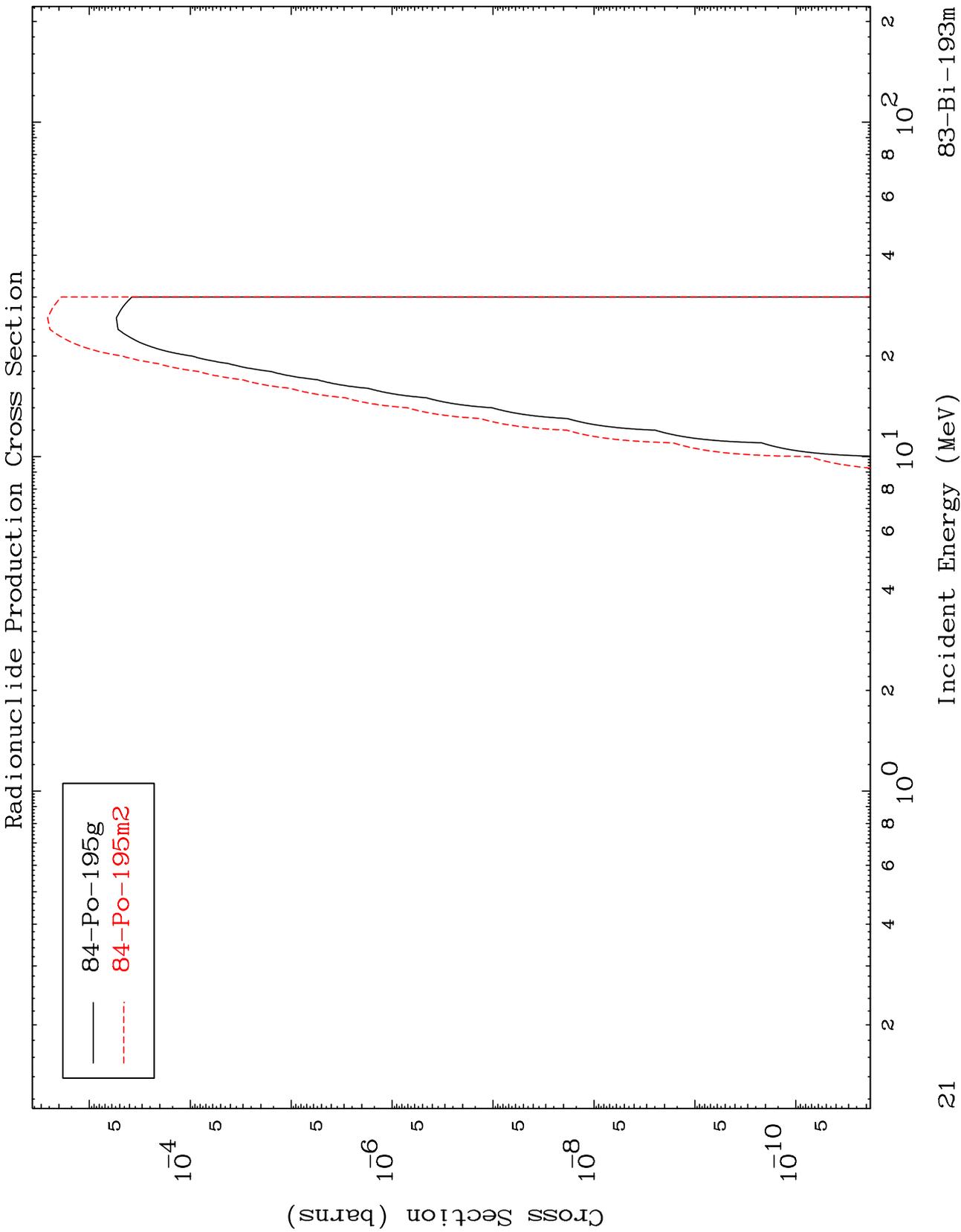
Incident Energy (MeV)

83-Bi-193m

20

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<sup>83</sup>Bi-193m

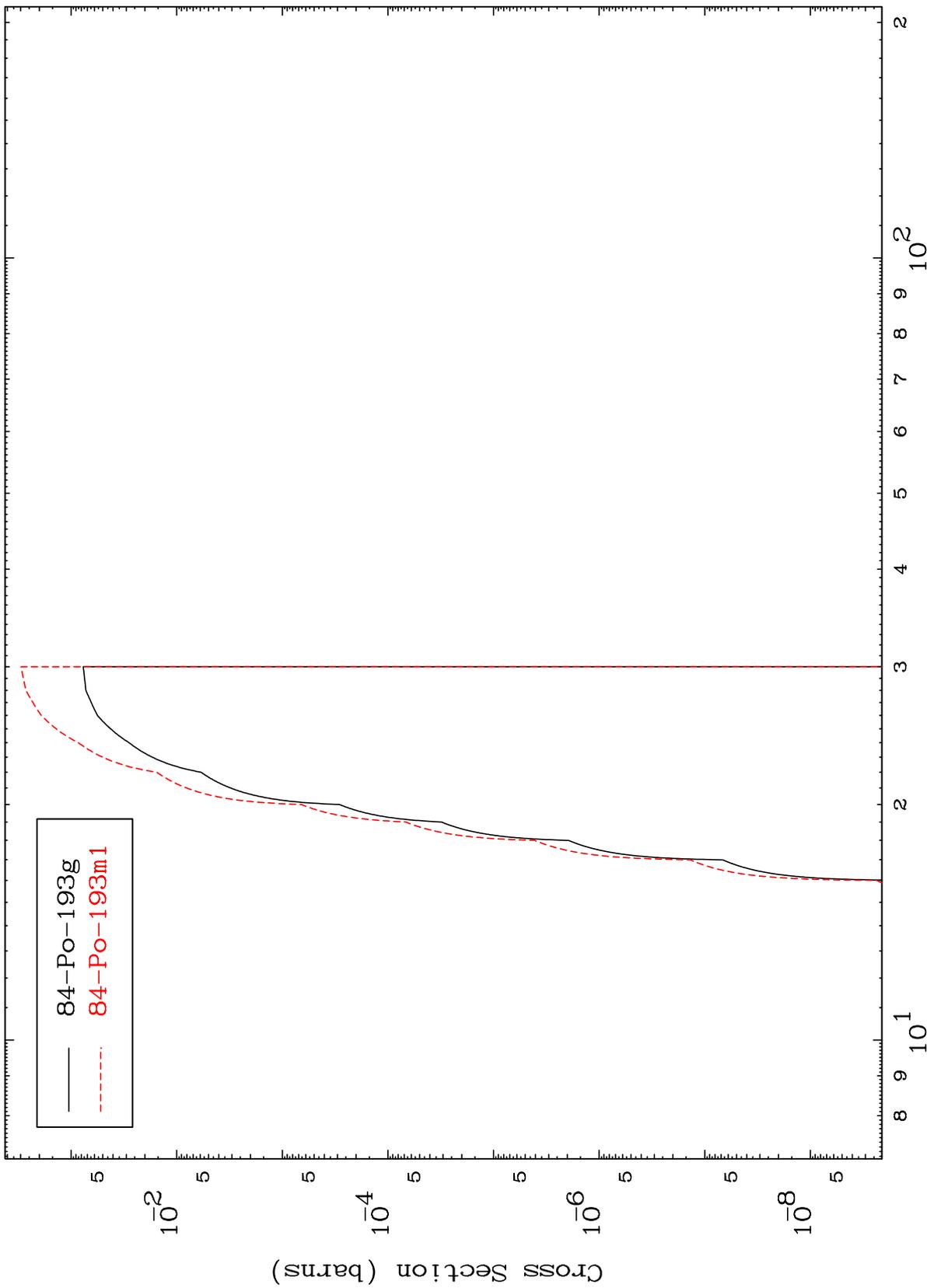


— 84-Po-195g  
- - - 84-Po-195m2

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<sup>83</sup>Bi-193m

(n,t)  
Radionuclide Production Cross Section



22

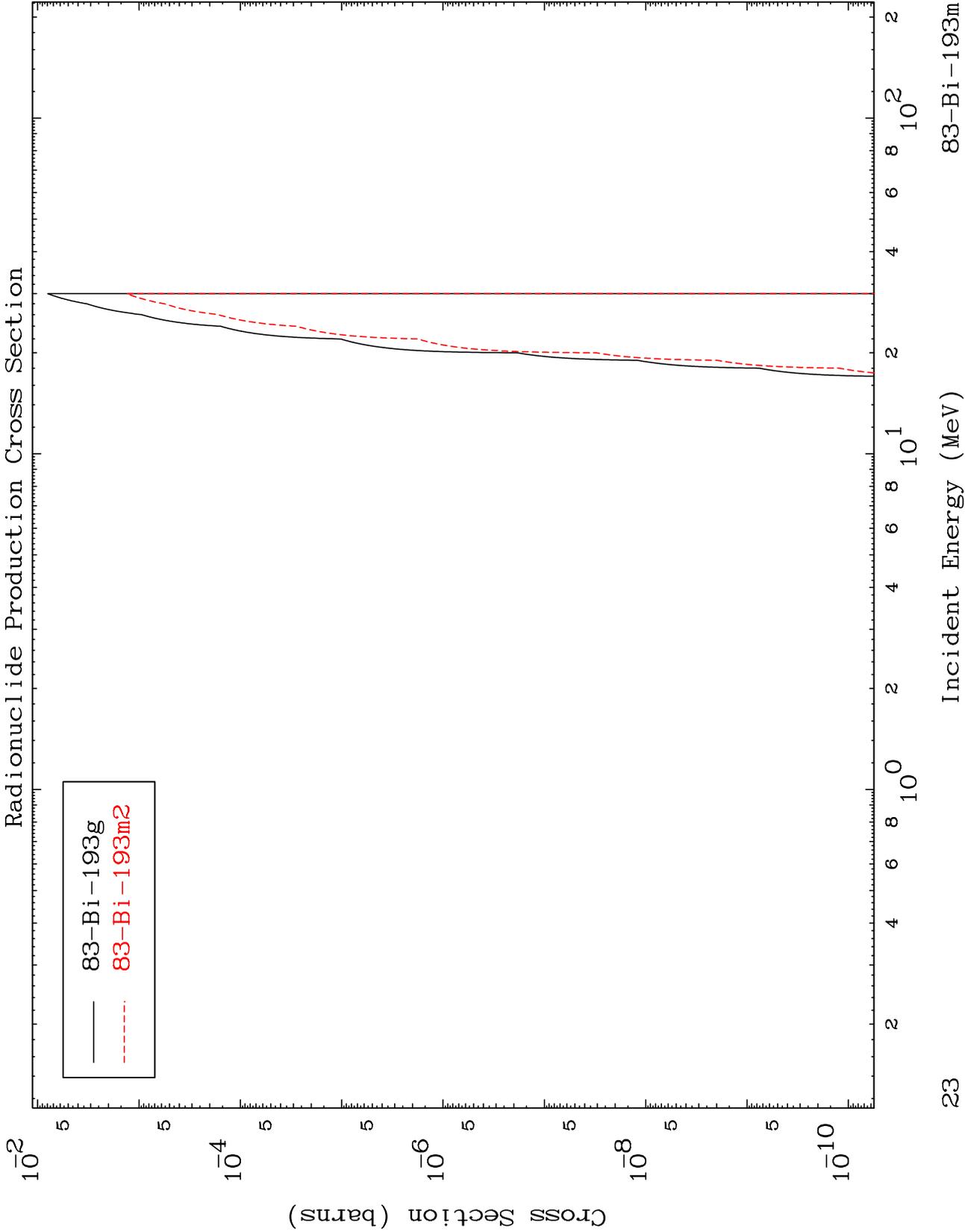
Incident Energy (MeV)

<sup>83</sup>Bi-193m

MAT 8278

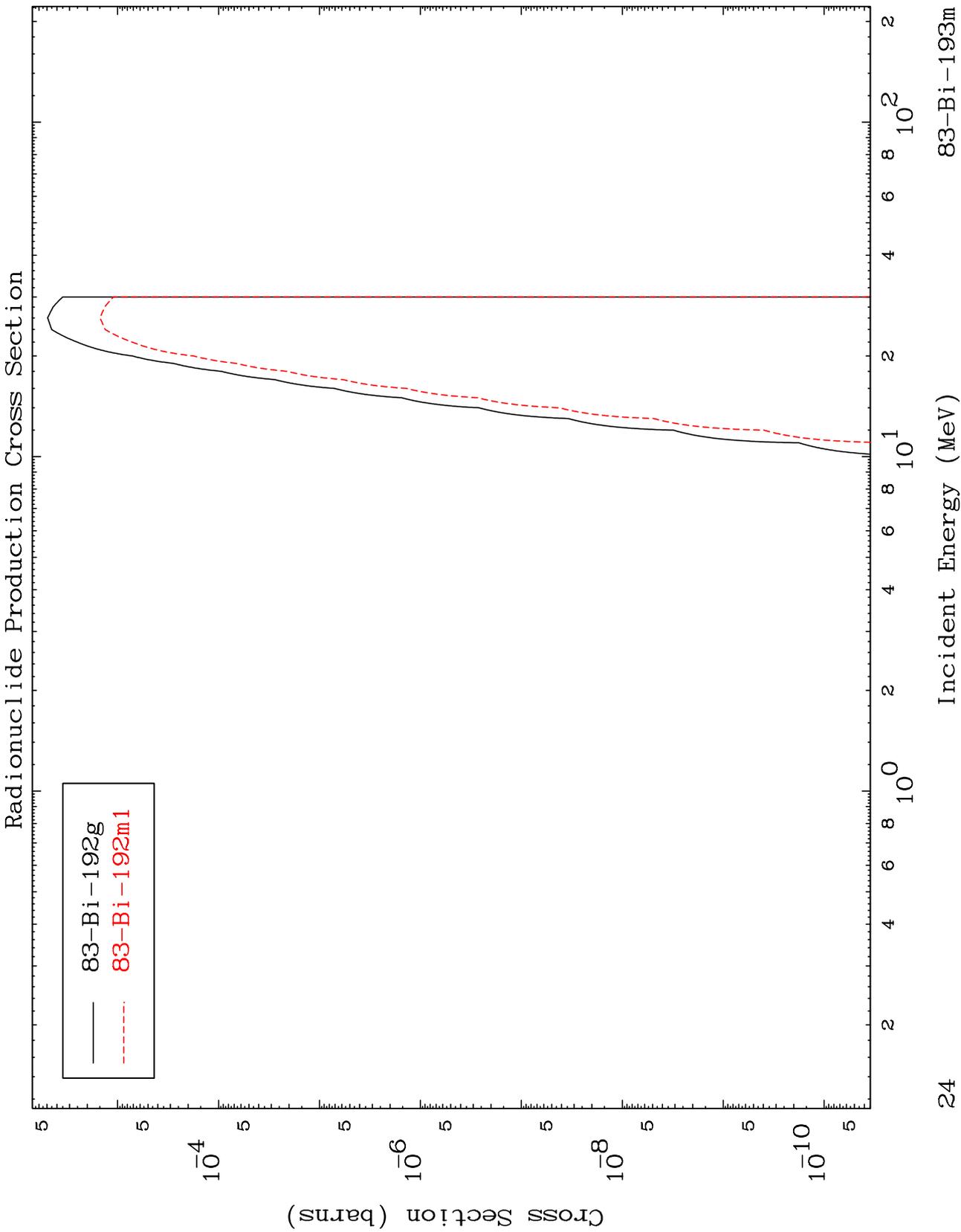
(n,He-3)

83-Bi-193m

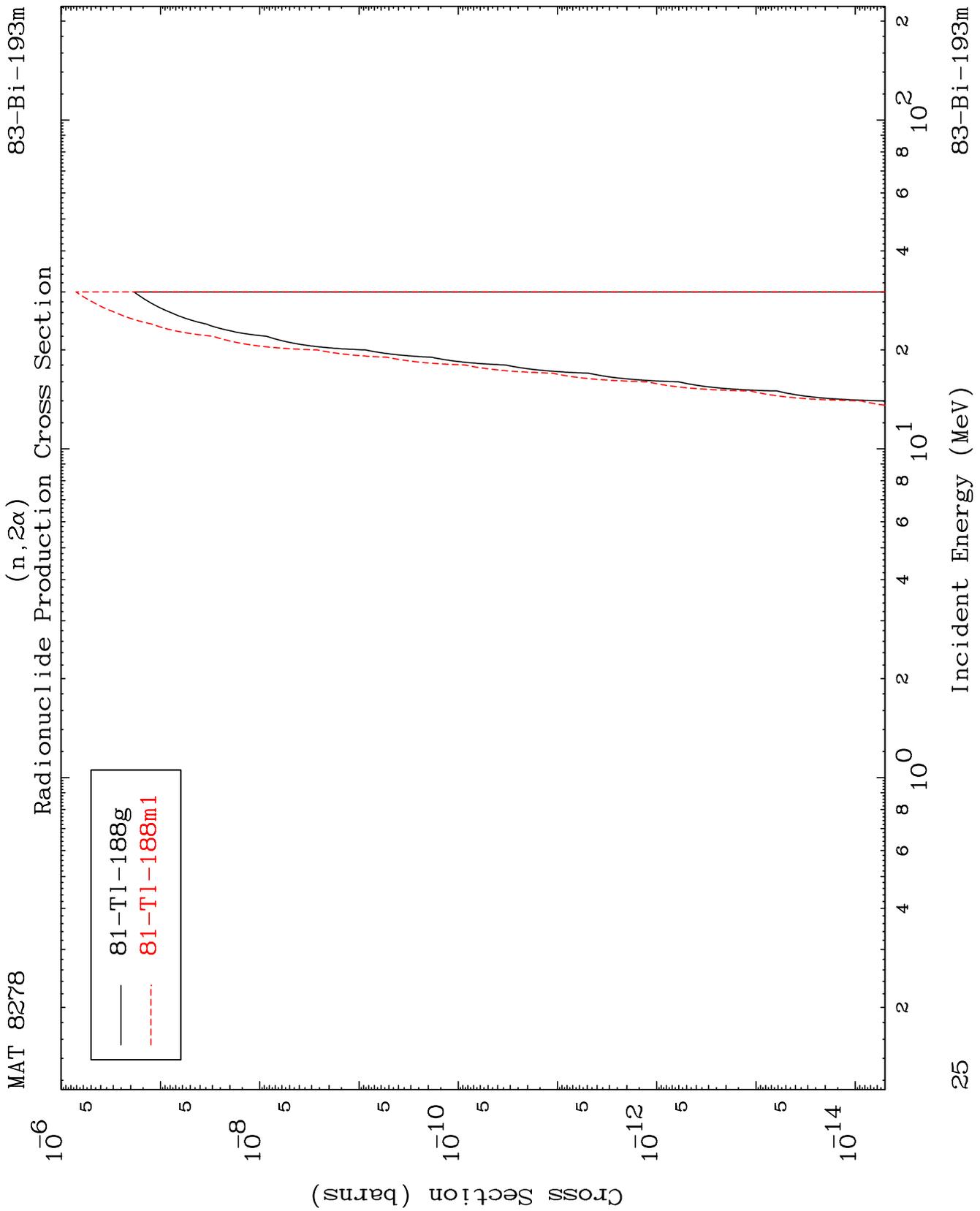


MAT 8278

$^{83}\text{Bi}-193\text{m}$



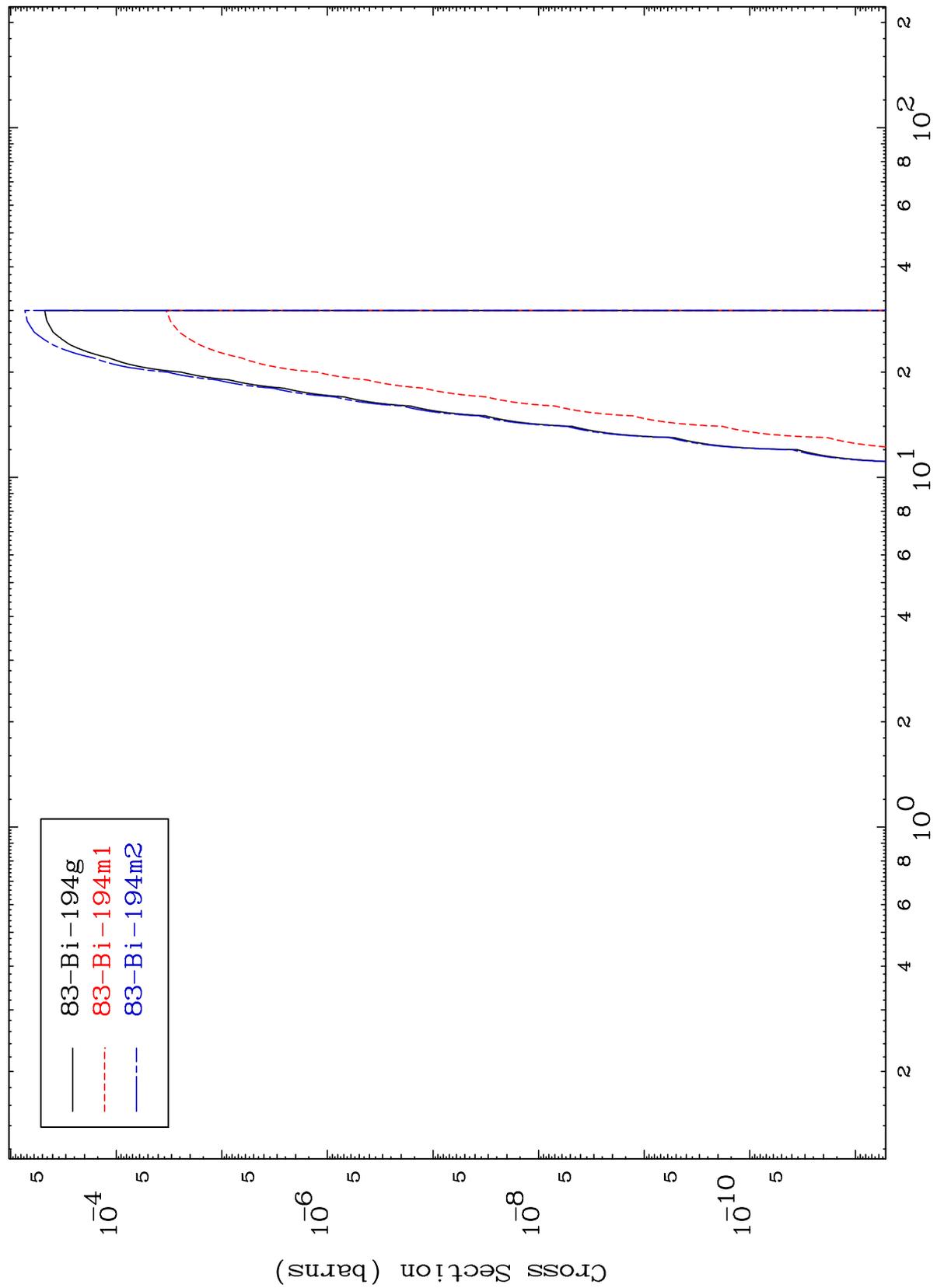
—  $^{83}\text{Bi}-192\text{g}$   
- - -  $^{83}\text{Bi}-192\text{m1}$



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$^{83}\text{Bi}-193\text{m}$

Radionuclide Production Cross Section  
(n,2p)



$^{83}\text{Bi}-193\text{m}$

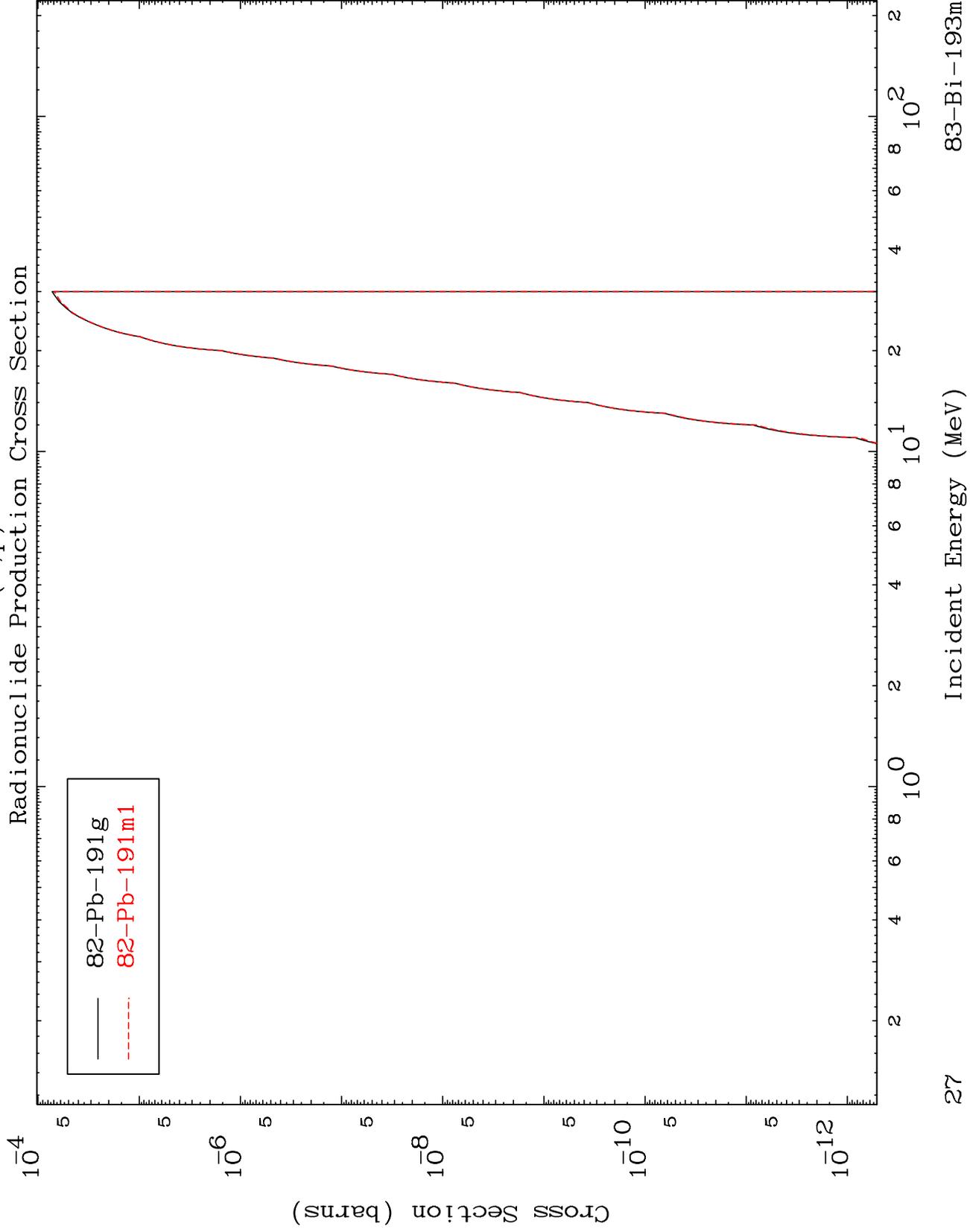
Incident Energy (MeV)

26

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(n,p)  $\alpha$

83-Bi-193m

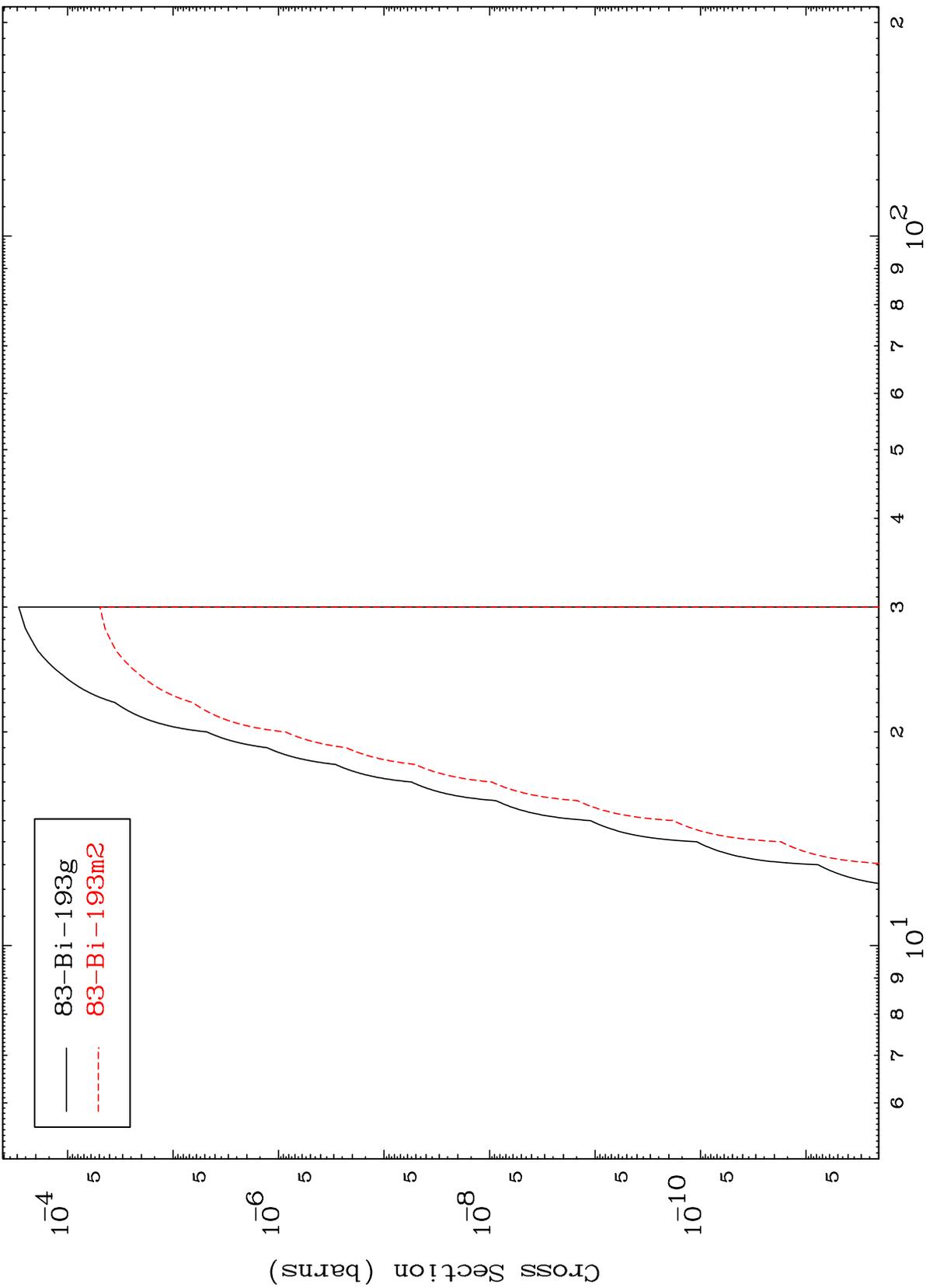


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(n,p) d

83-Bi-193m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

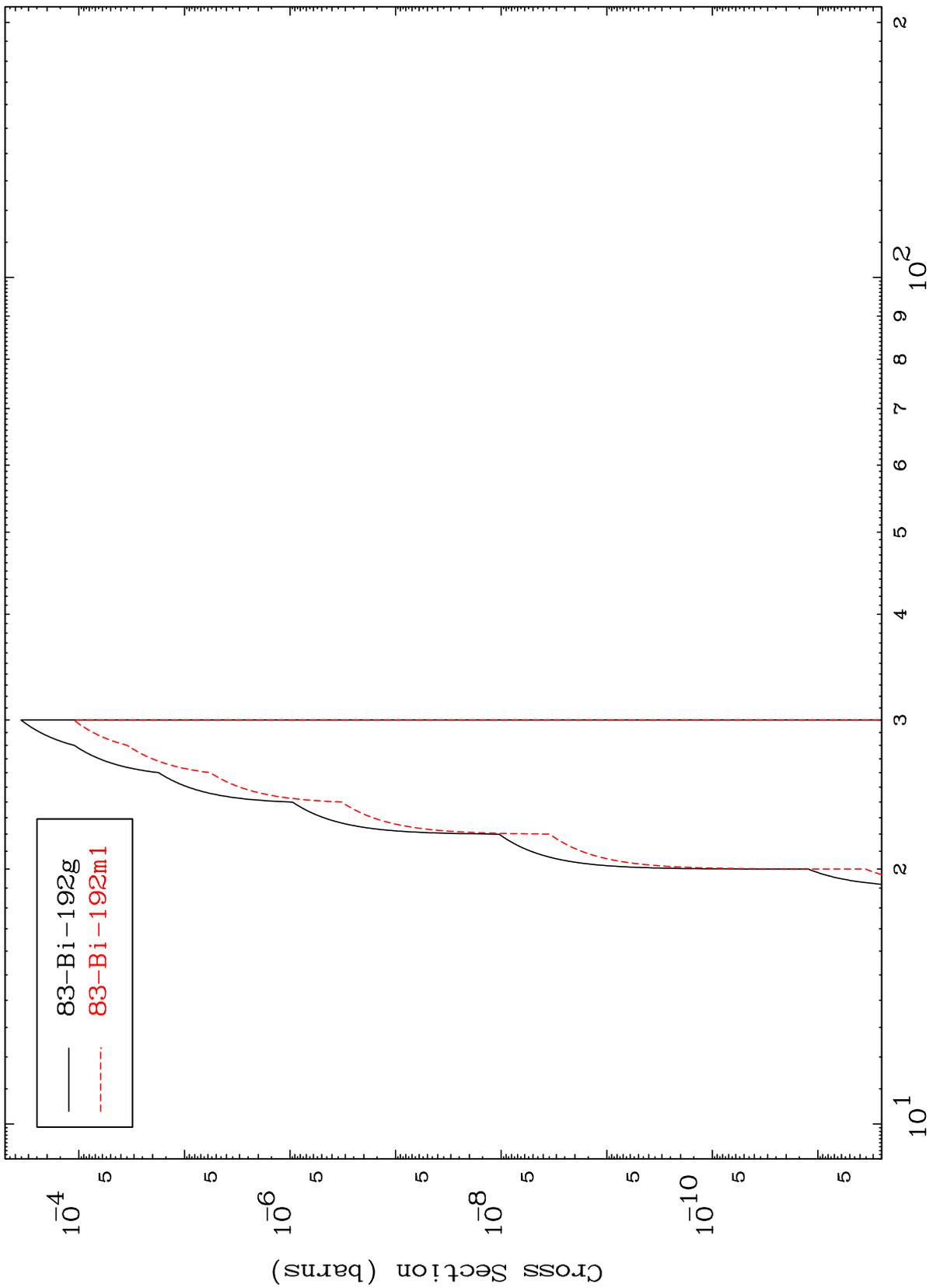
83-Bi-193m

MAT 8278

(n,p) t

83-Bi-193m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

83-Bi-193m