

Program EVALPLOT  
(Version 2015-2)

by

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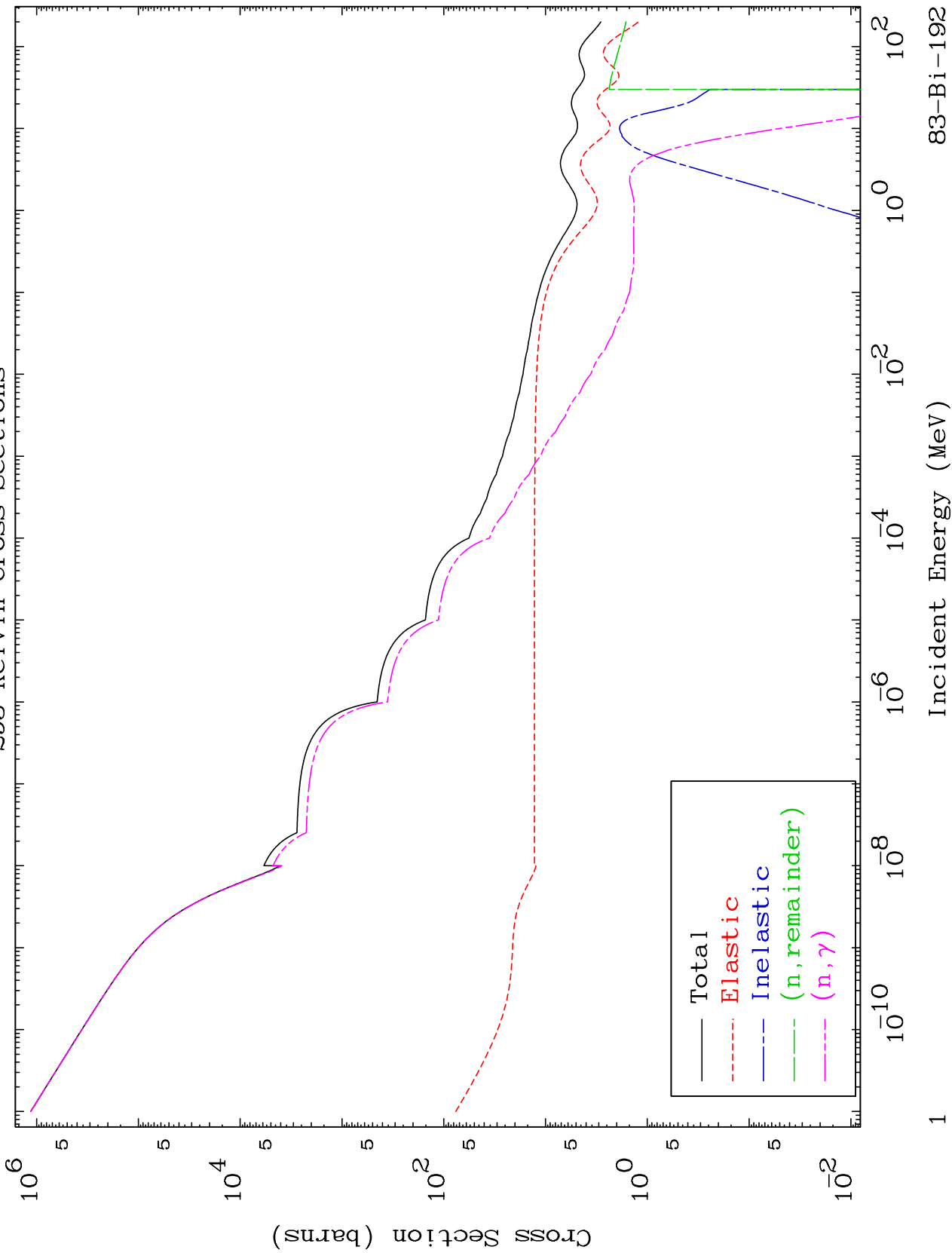
Press Mouse Button to Start

MAT 8275

Major

293 Kelvin Cross Sections

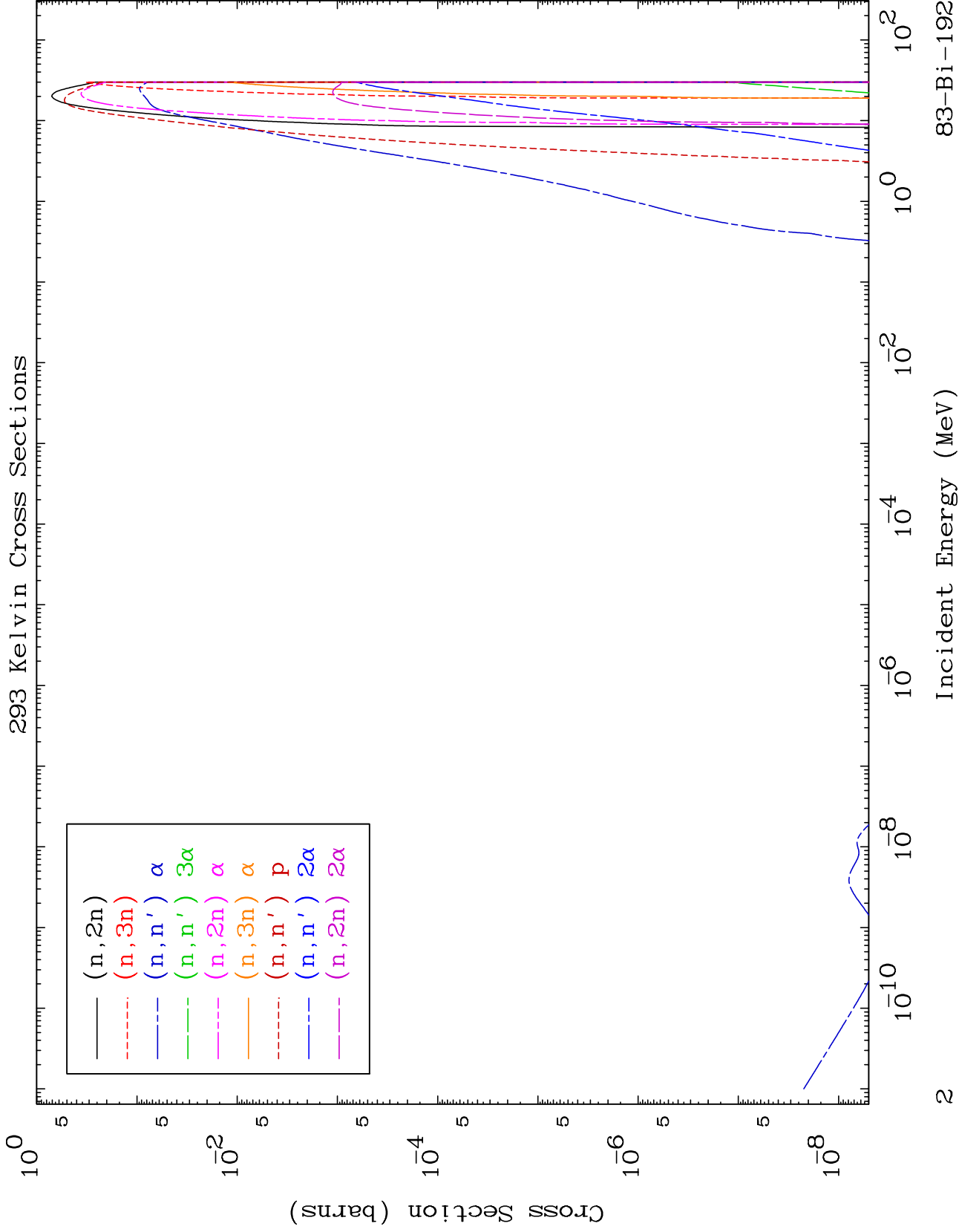
83-Bi-192



MAT 8275

Neutron Production  
293 Kelvin Cross Sections

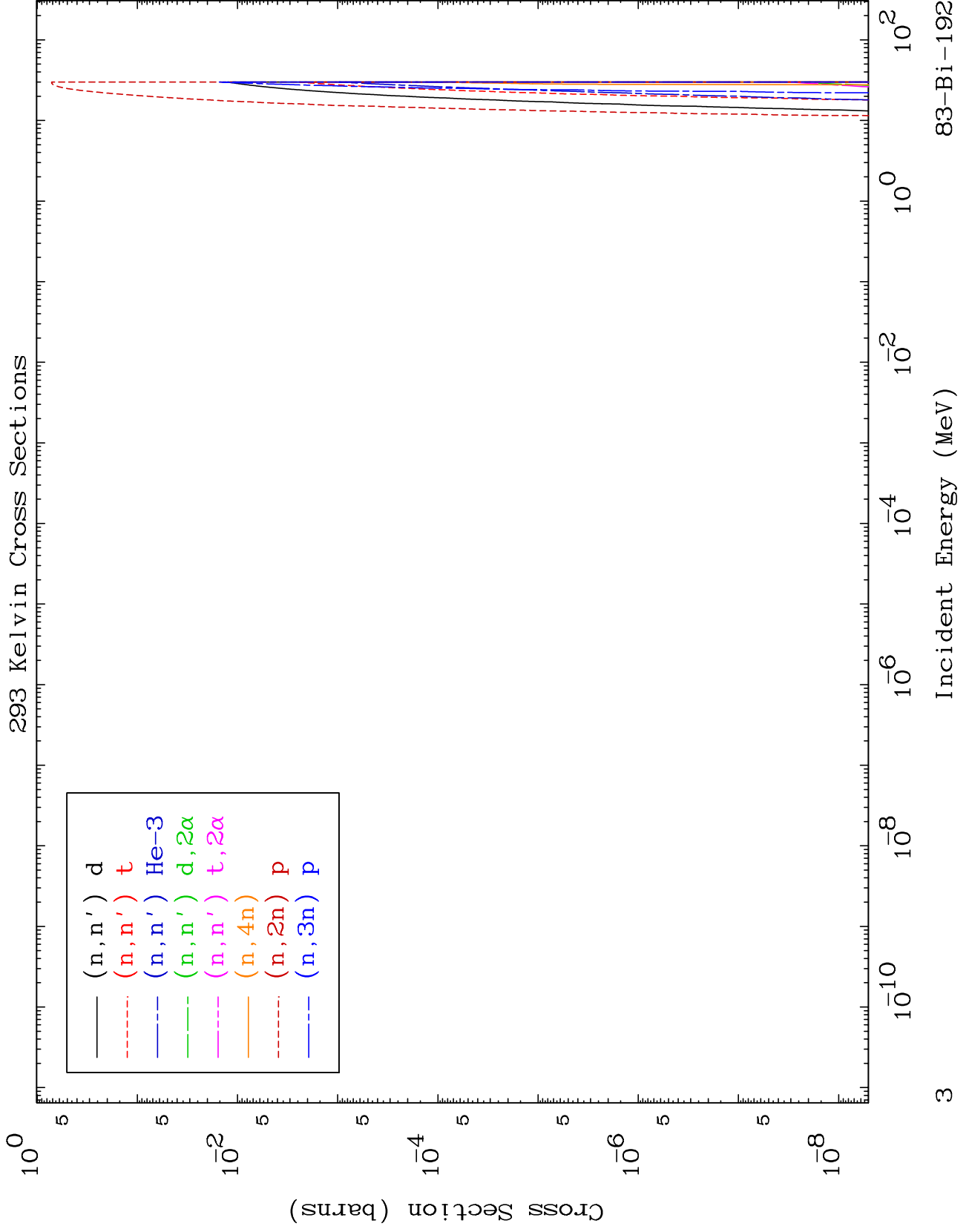
83-Bi-192



MAT 8275

Neutron Production  
293 Kelvin Cross Sections

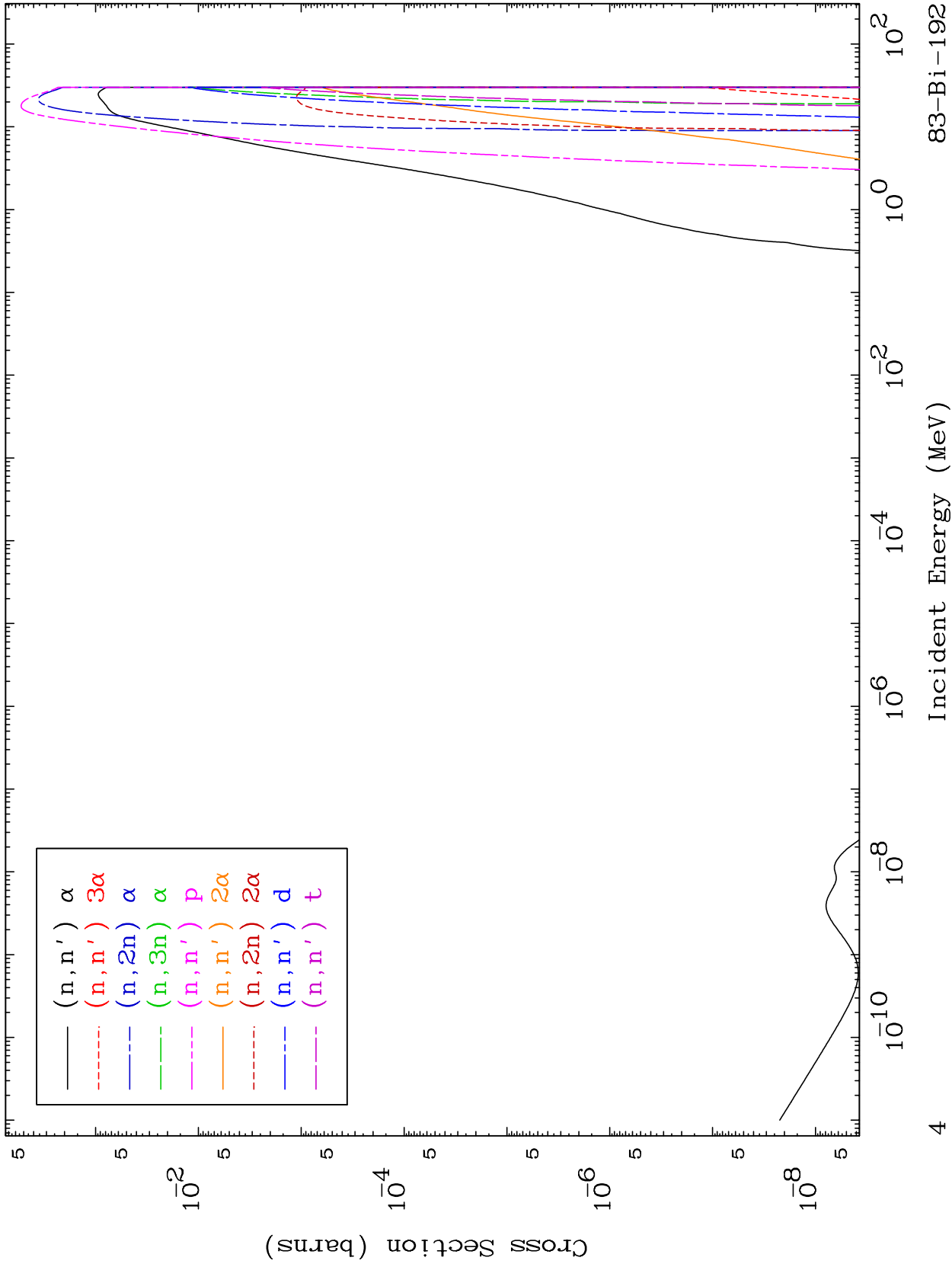
83-Bi-192



MAT 8275

Charged Particle  
293 Kelvin Cross Sections

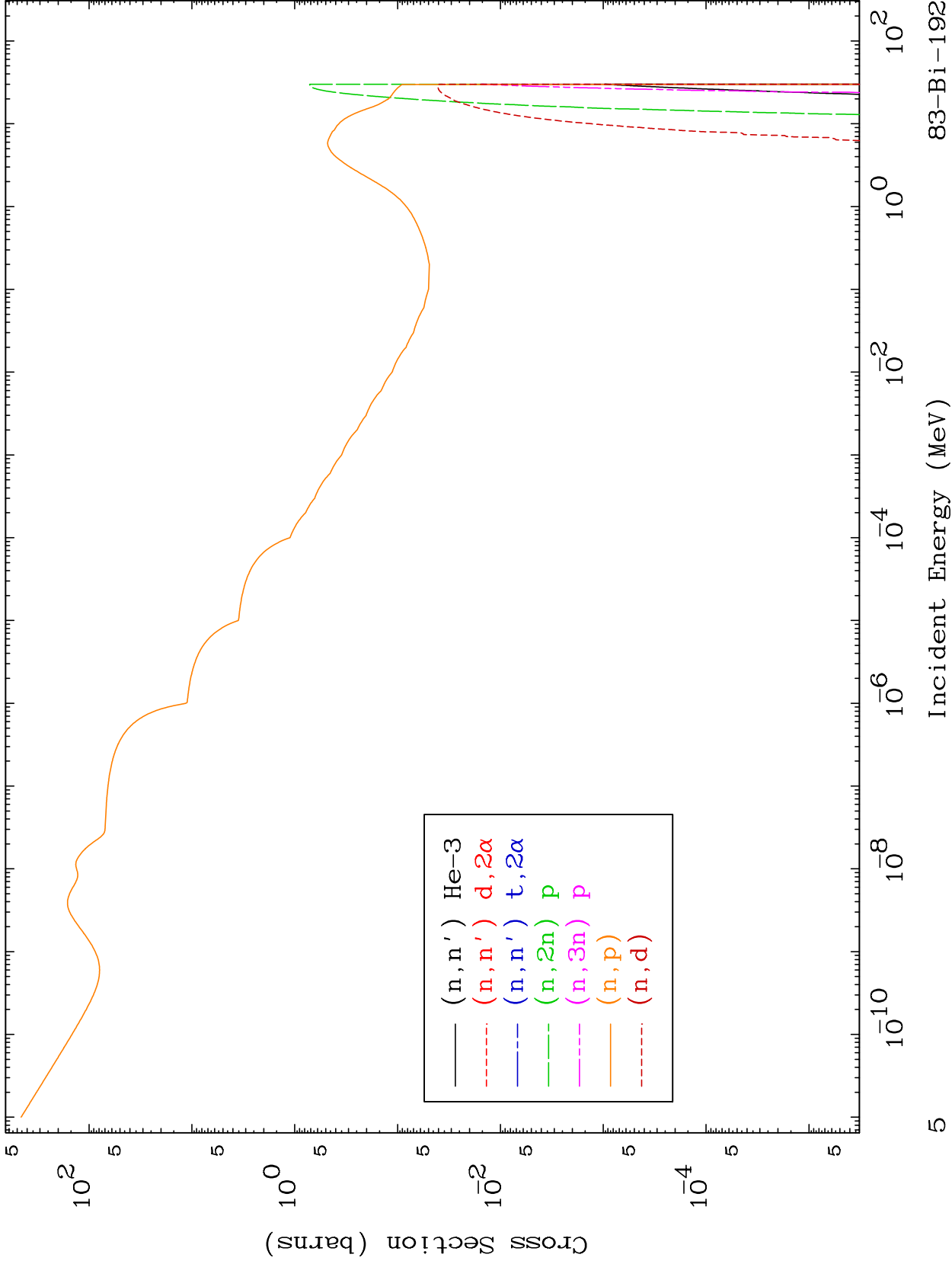
83-Bi-192



MAT 8275

Charged Particle  
293 Kelvin Cross Sections

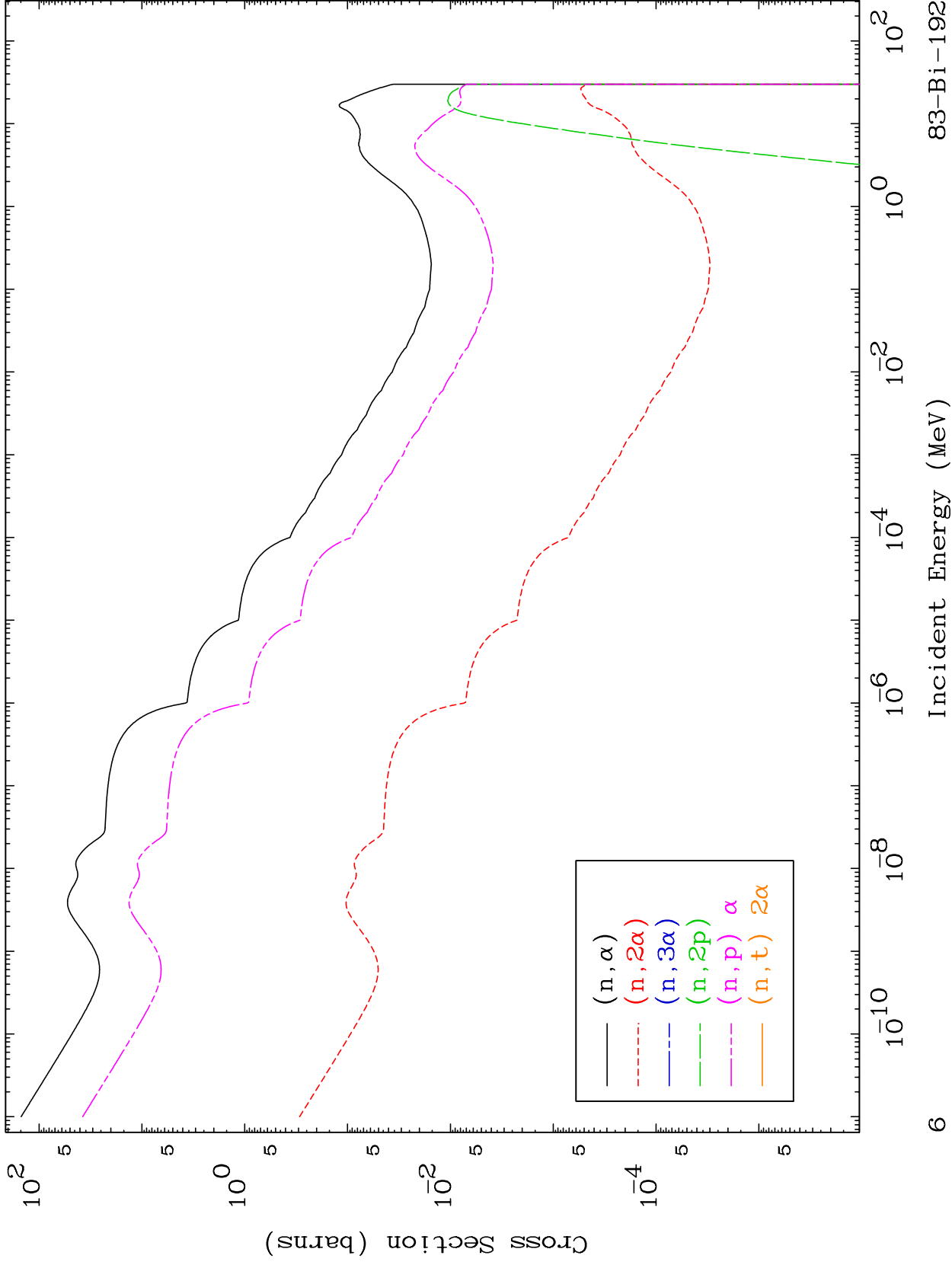
83-Bi-192



MAT 8275

Charged Particle  
293 Kelvin Cross Sections

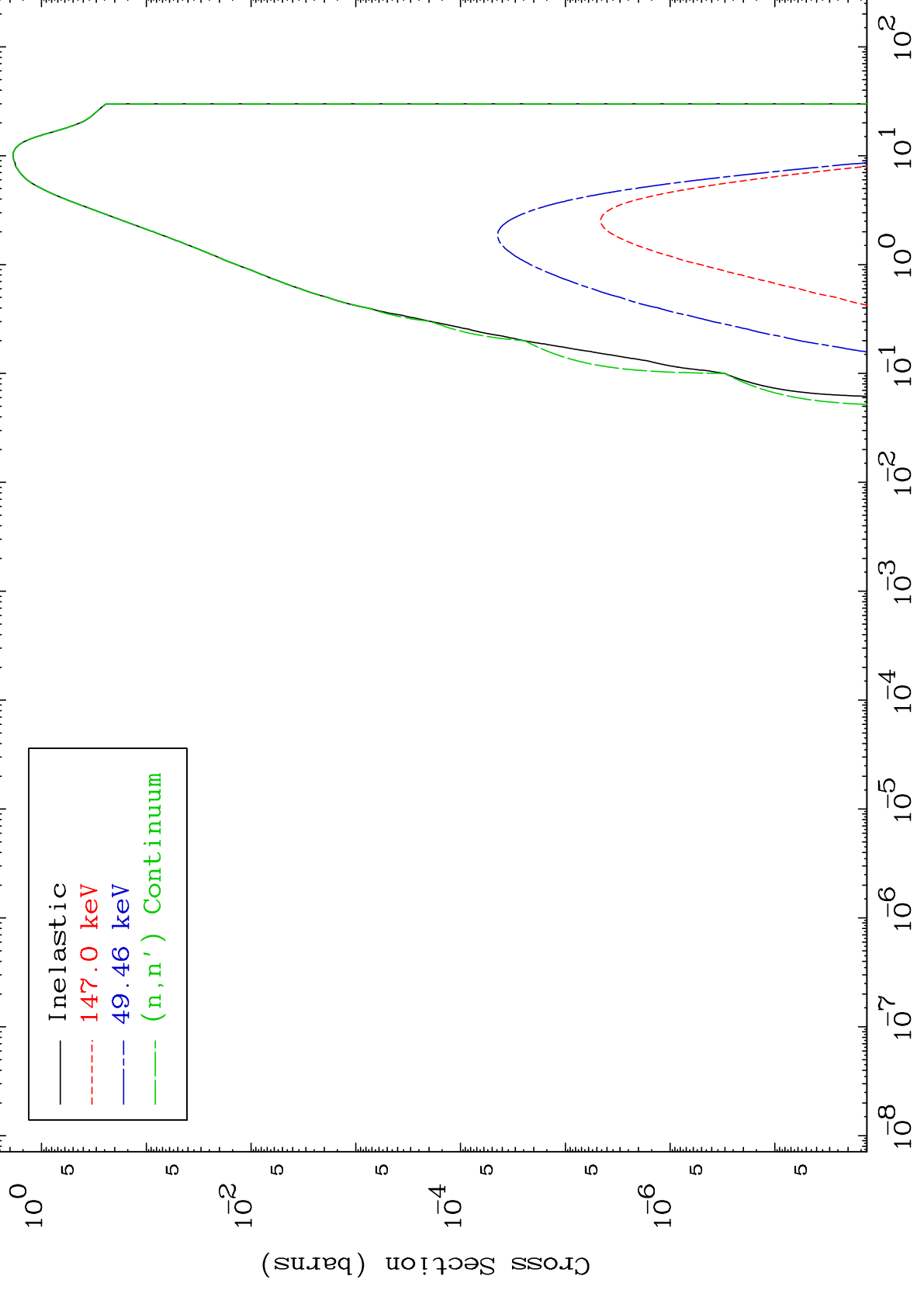
83-Bi-192



MAT 8275

(n,n') Level  
293 Kelvin Cross Sections

83-Bi-192

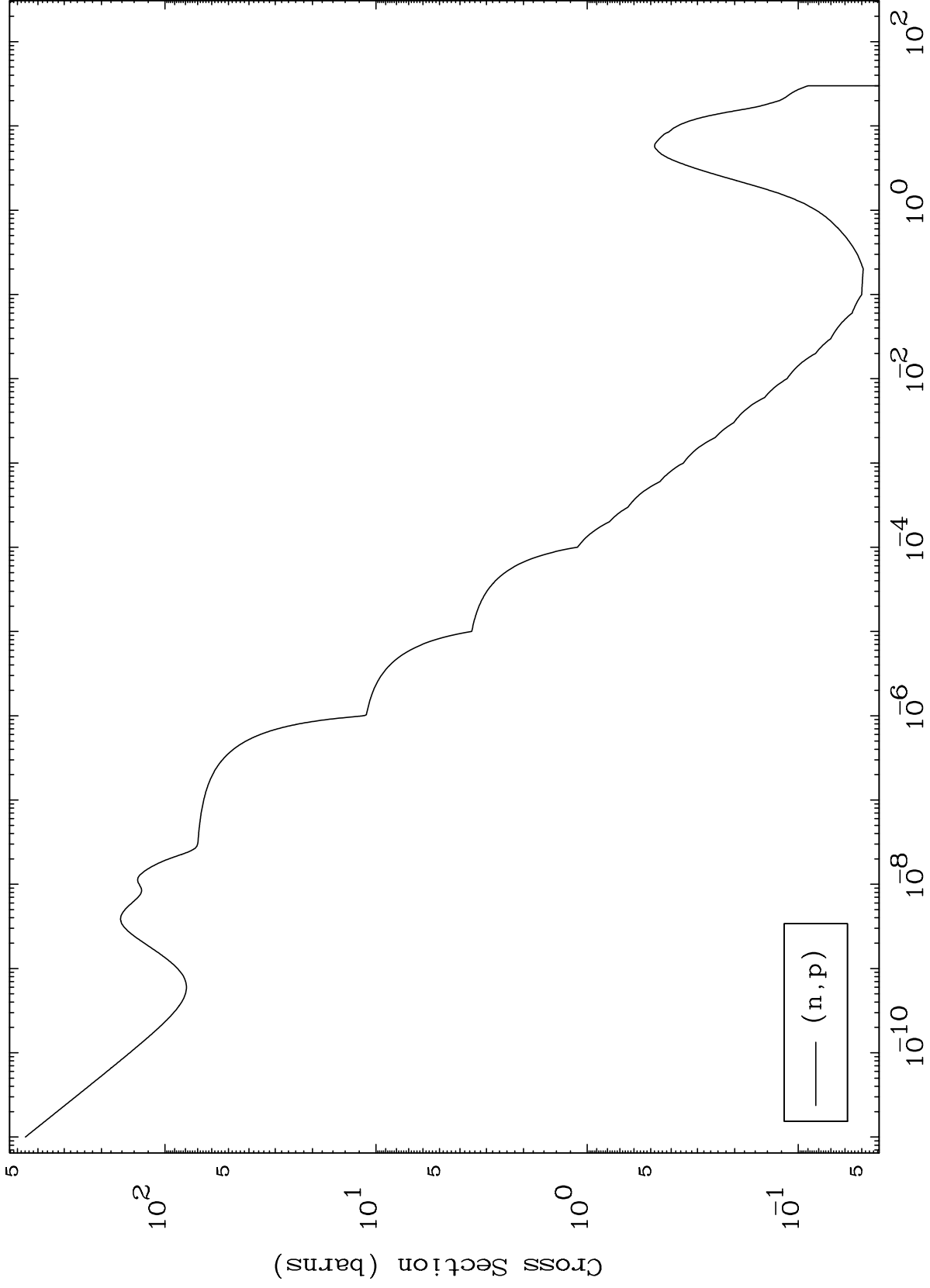




MAT 8275

(n,p) Levels  
293 Kelvin Cross Sections

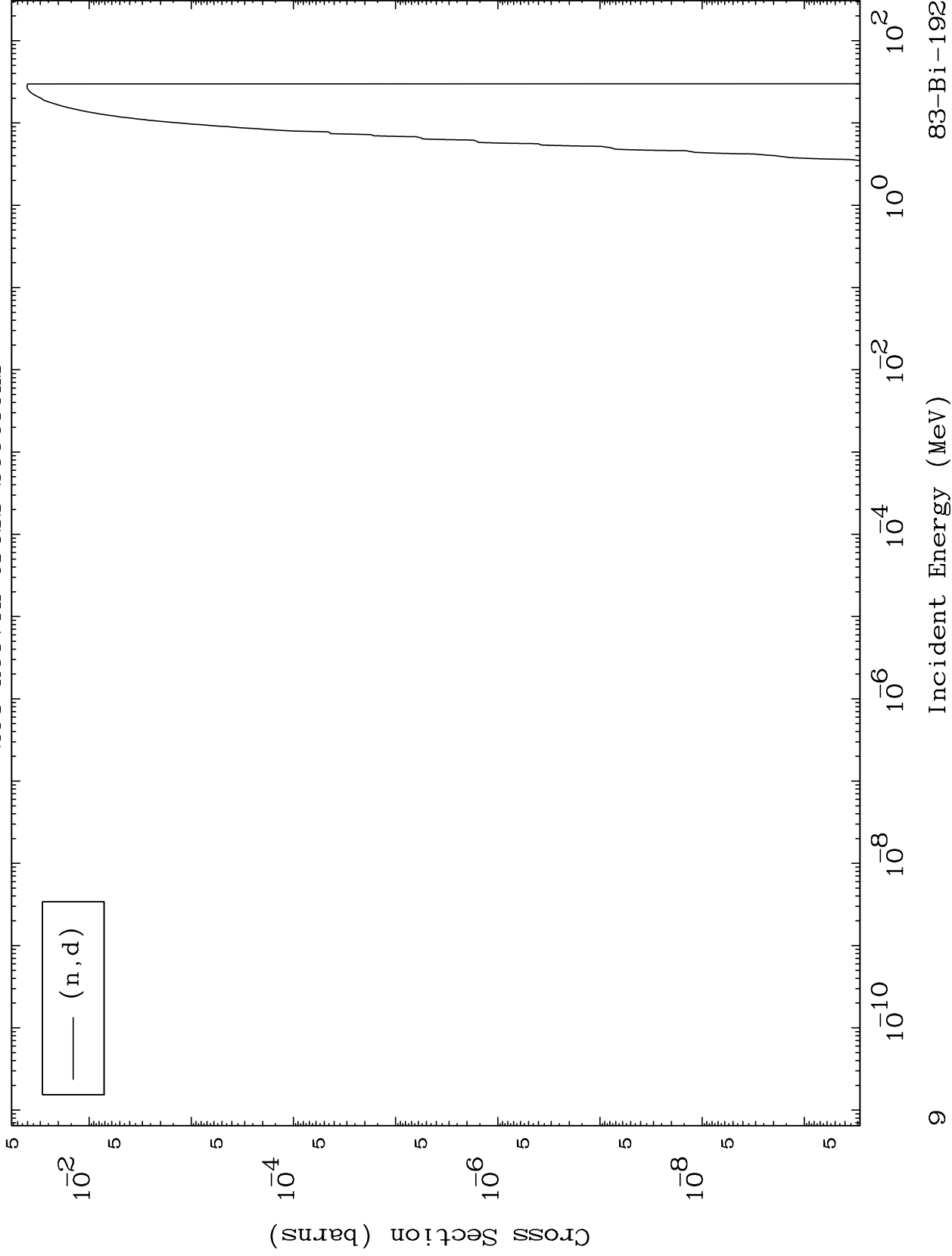
83-Bi-192



MAT 8275

(n,d) Levels  
293 Kelvin Cross Sections

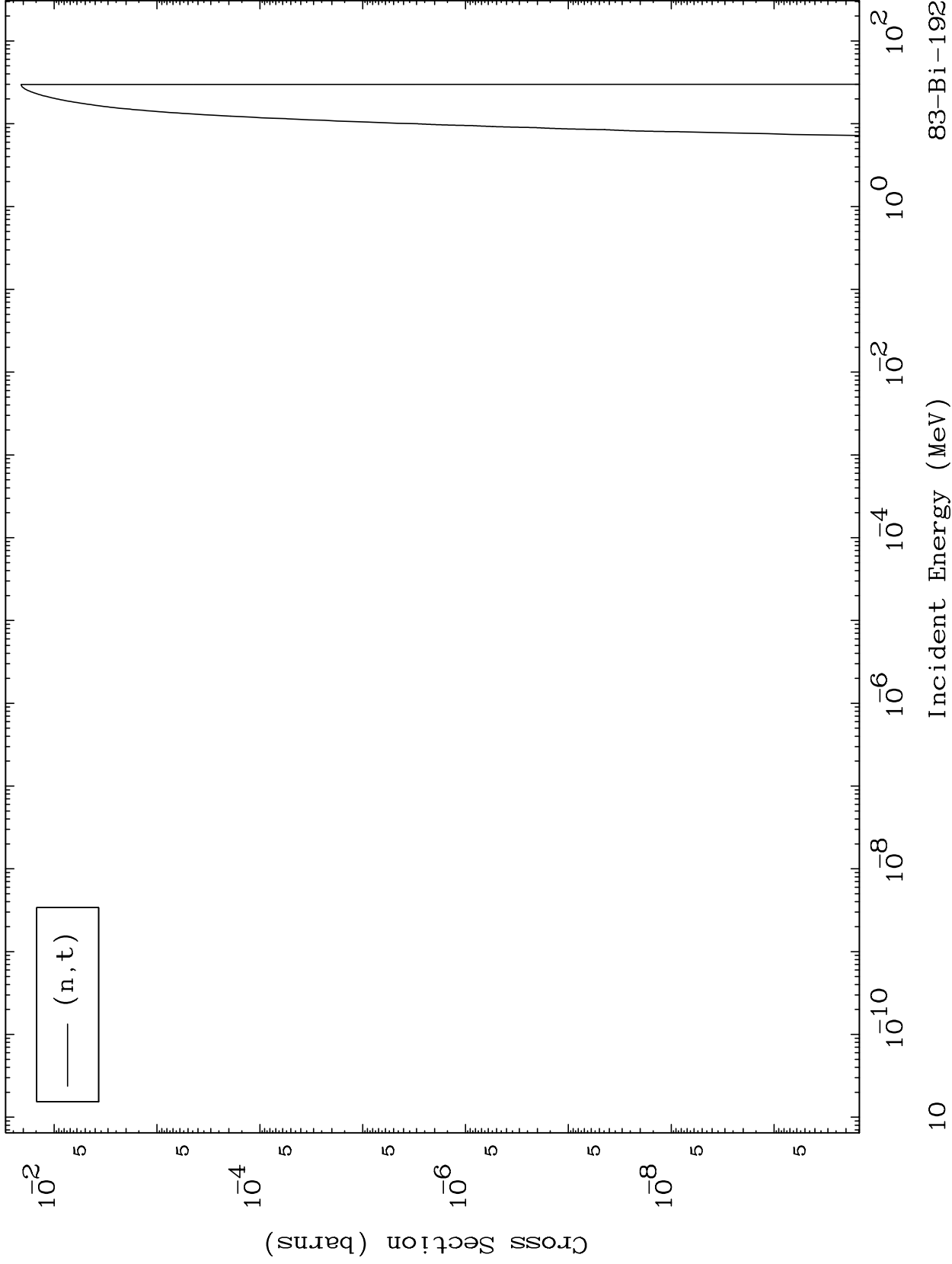
83-Bi-192



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(n,t) Levels  
293 Kelvin Cross Sections

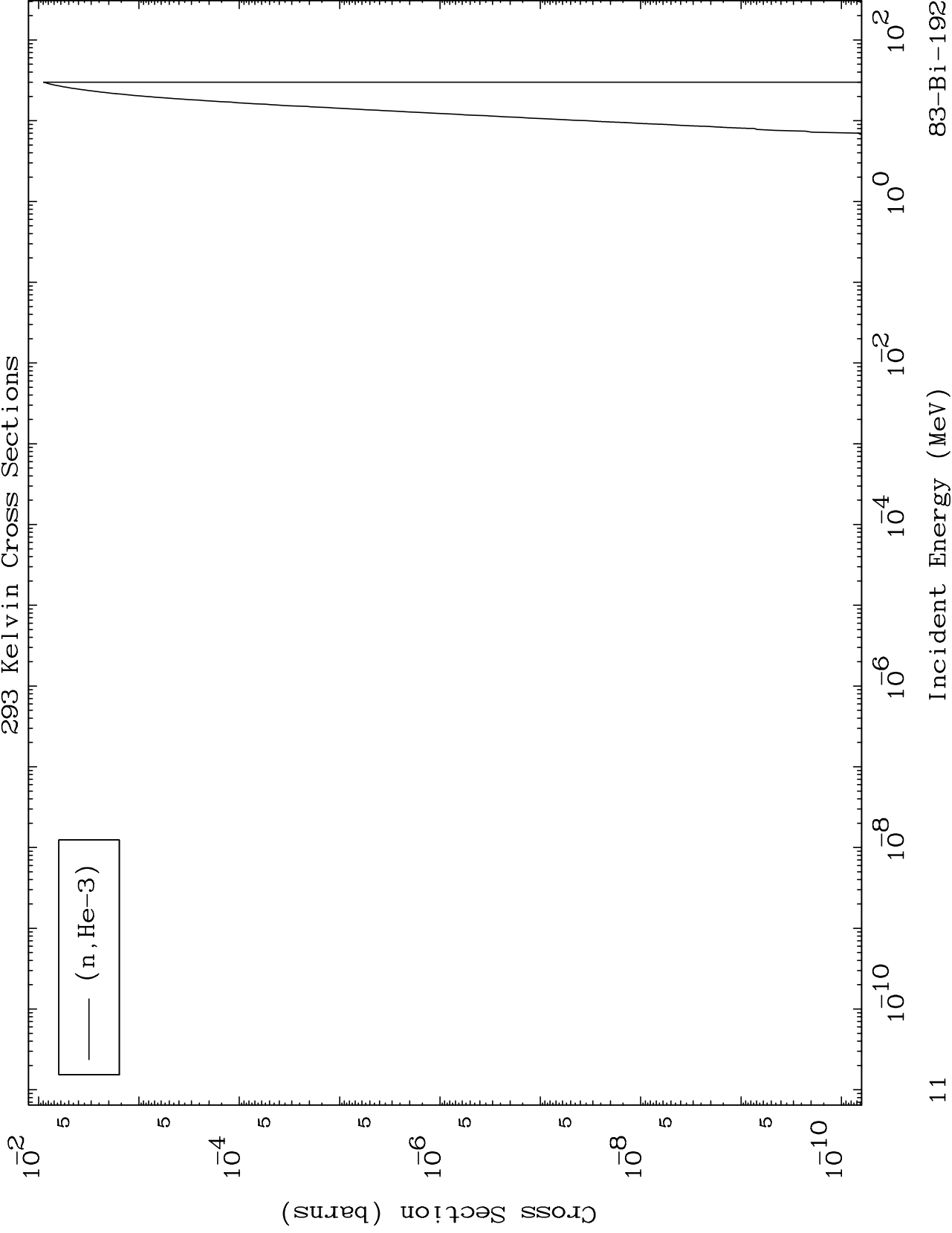
83-Bi-192



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(n,He3) Levels  
293 Kelvin Cross Sections

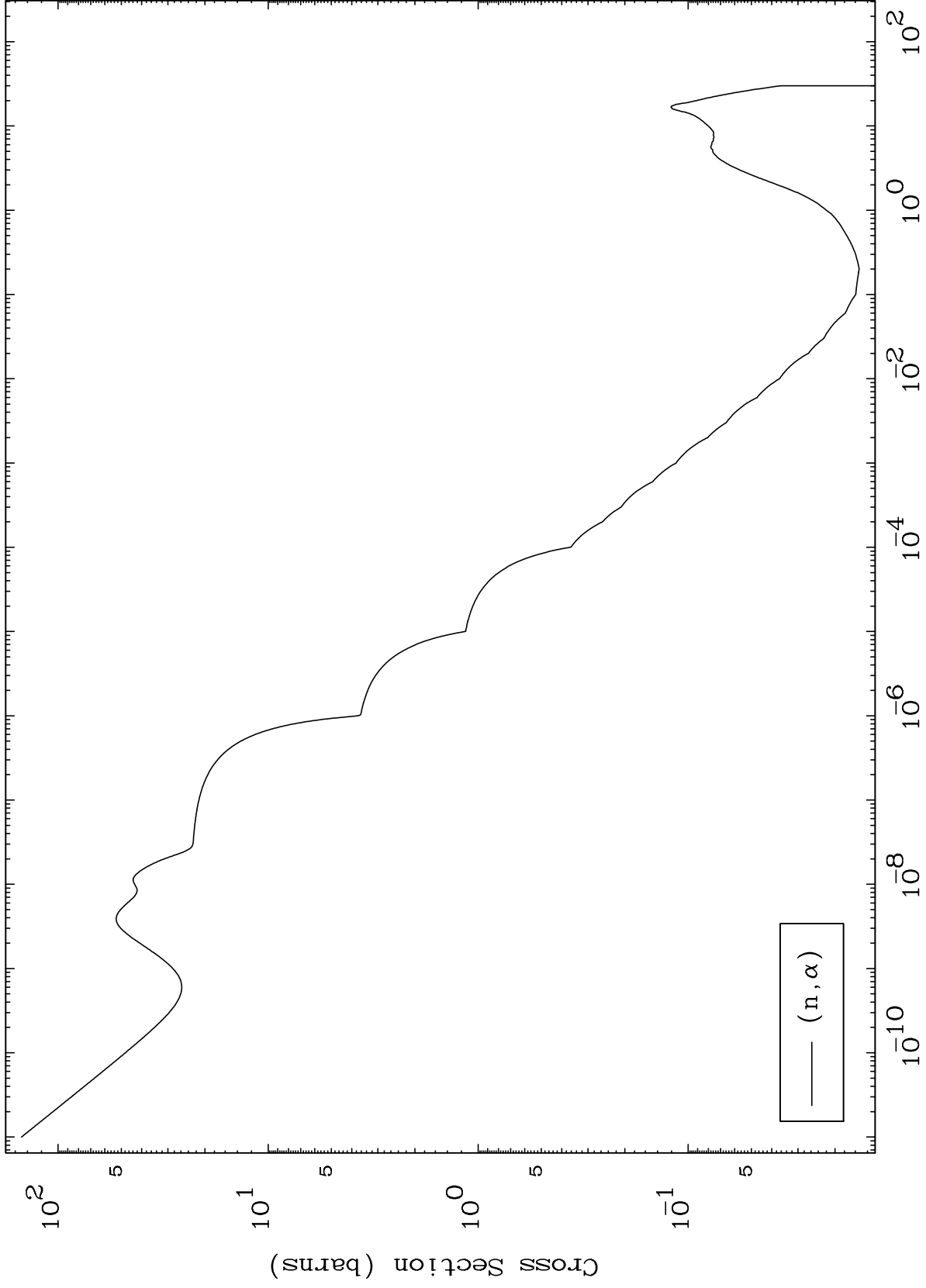
83-Bi-192



MAT 8275

(n,α) Levels  
293 Kelvin Cross Sections

83-Bi-192

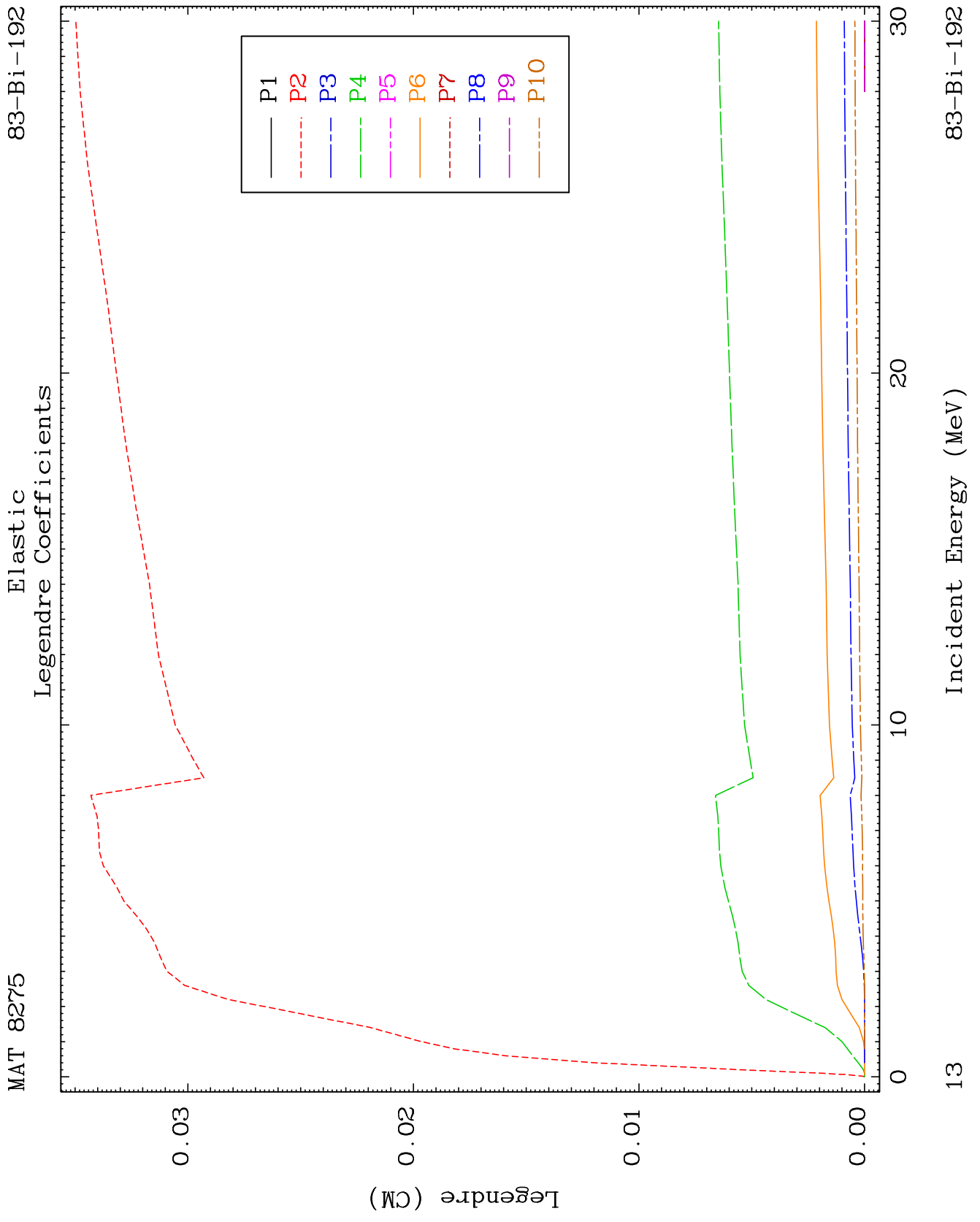


(n,α)

12

Incident Energy (MeV)

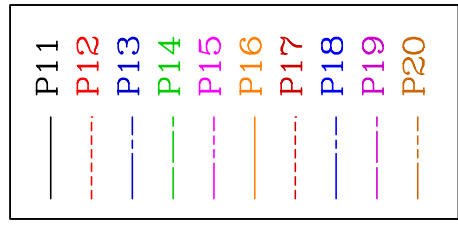
83-Bi-192



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Elastic  
Legendre Coefficients

83-Bi-192



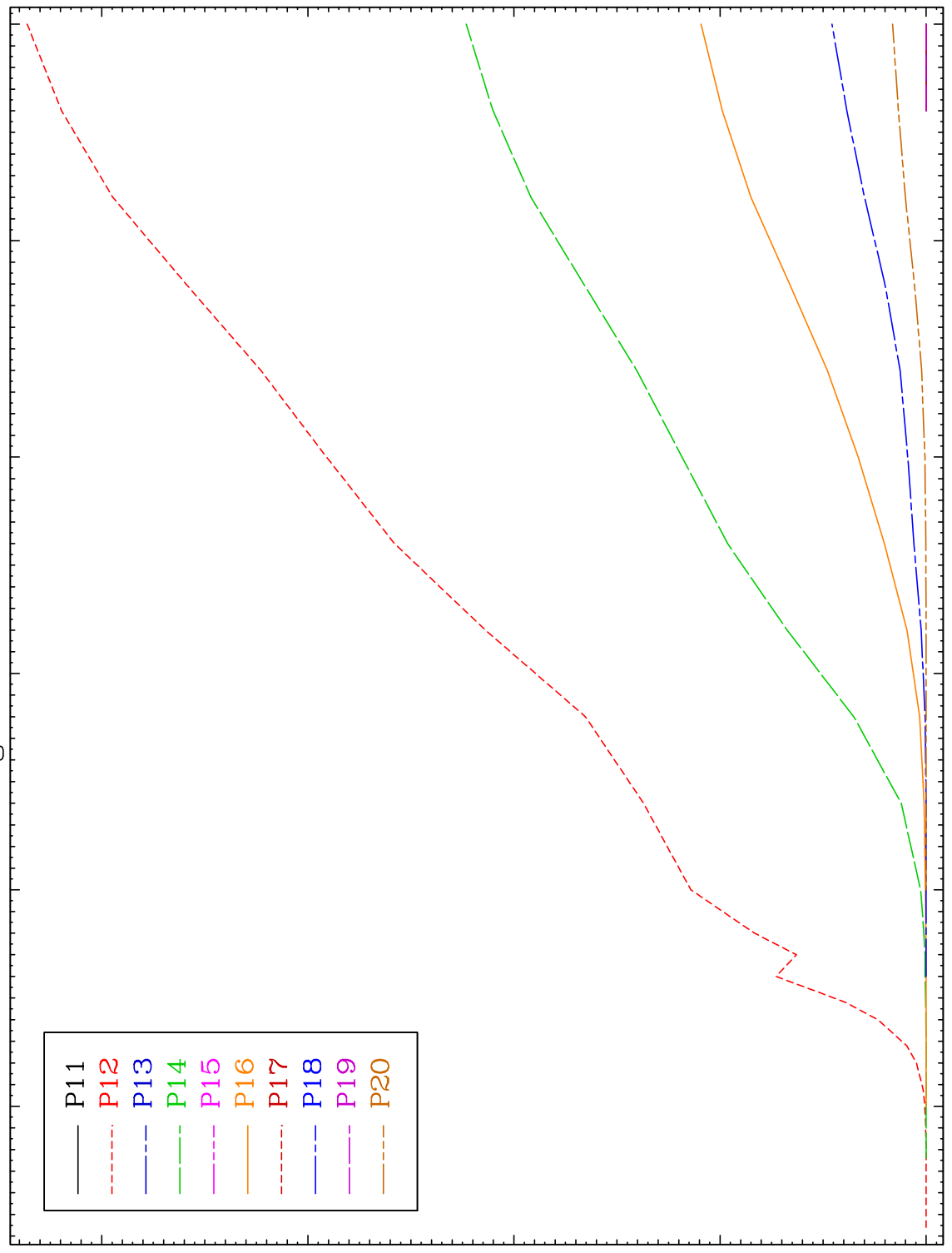
$\times 10^{-4}$   
2.0  
1.5  
1.0  
0.5  
0.0

Legendre (CM)

14

Incident Energy (MeV)

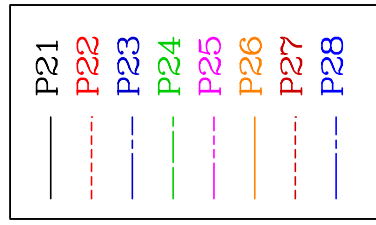
83-Bi-192



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Elastic Legendre Coefficients

83-Bi-192



$\times 10^{-6}$   
1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0

Legendre (CM)

15

20

25

30

15

Incident Energy (MeV)

83-Bi-192

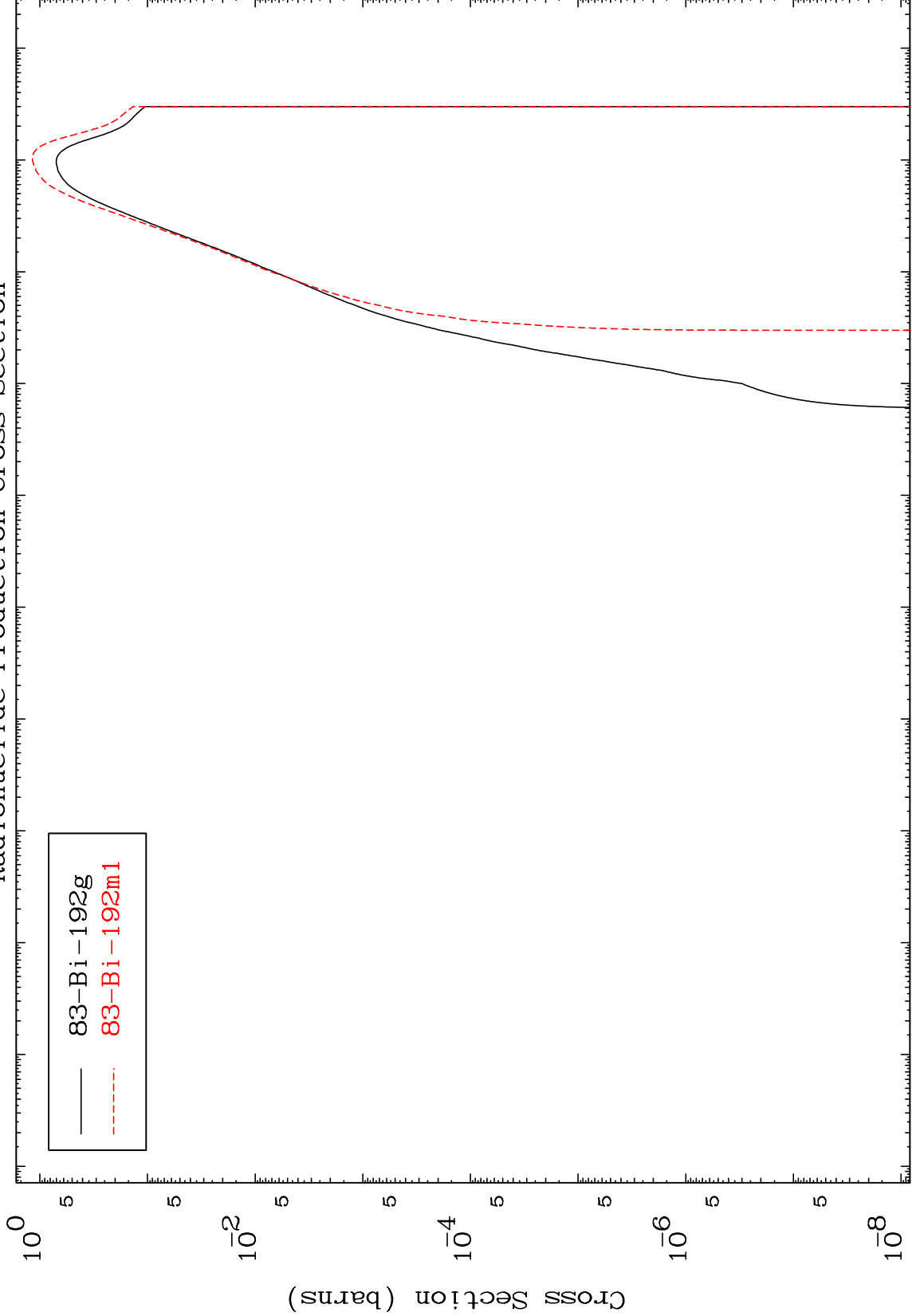




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Inelastic  
Radionuclide Production Cross Section

83-Bi-192



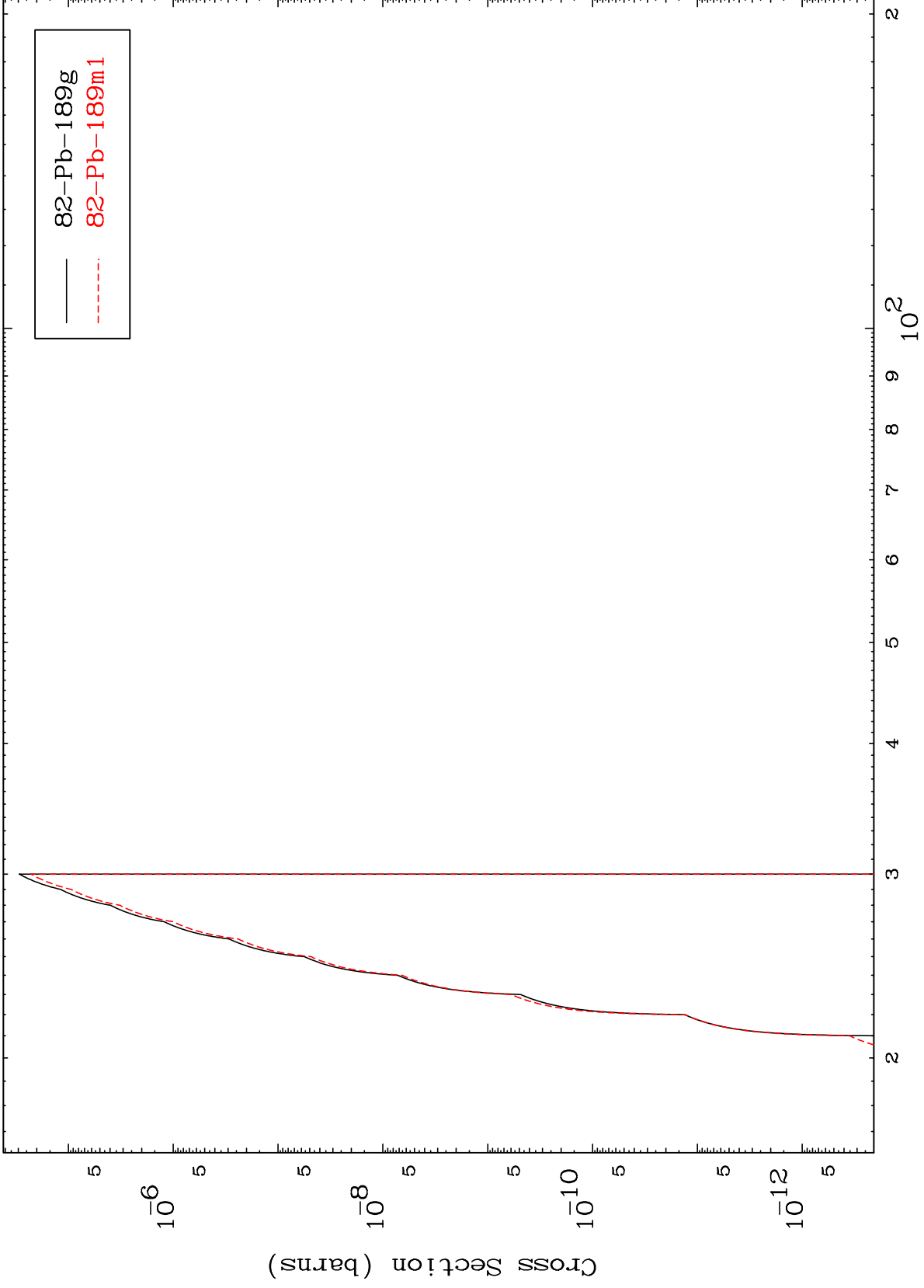
83-Bi-192g  
83-Bi-192m1

Incident Energy (MeV)

83-Bi-192

16

Radionuclide Production Cross Section

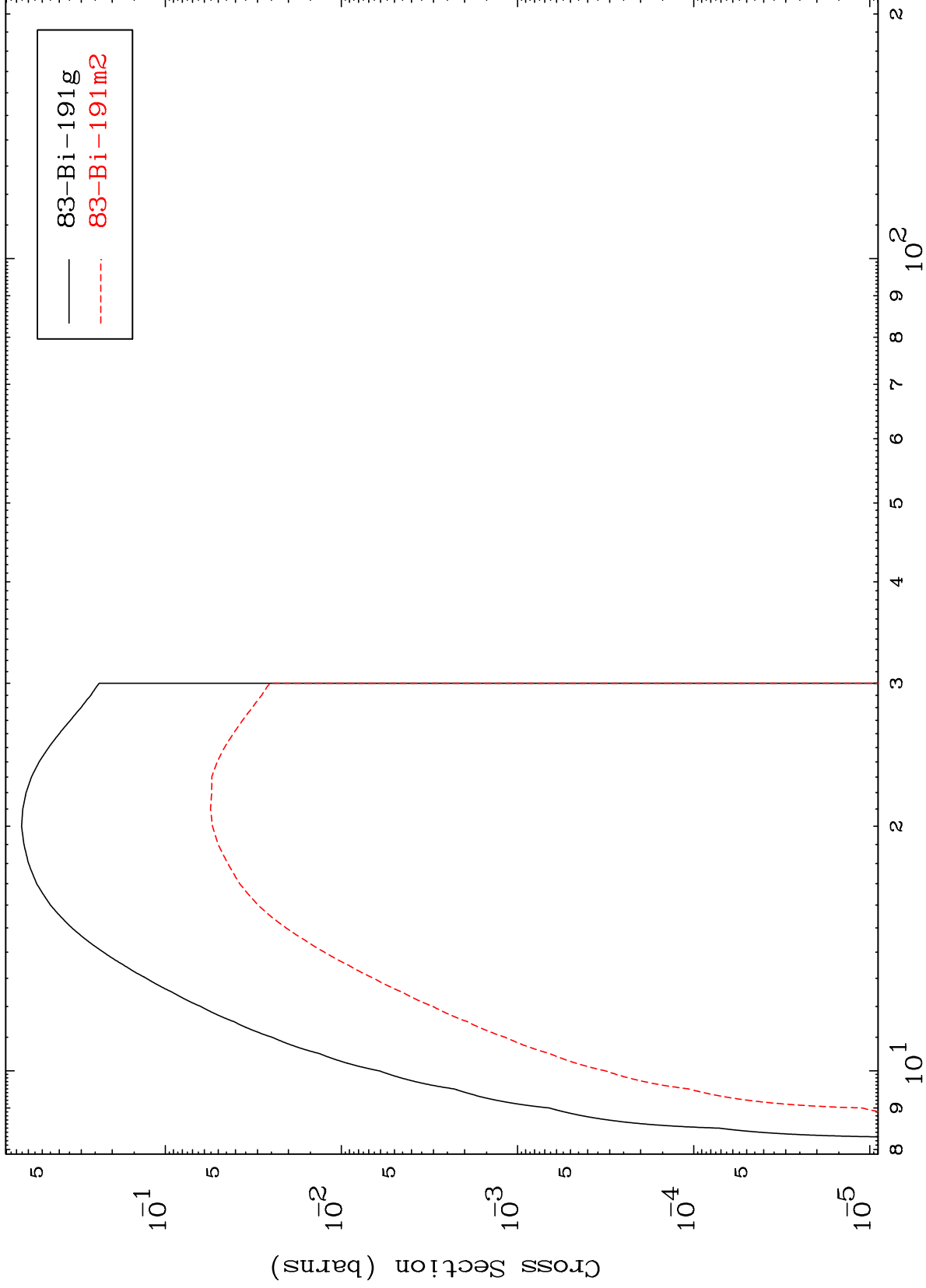


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(n,2n)

83-Bi-192

Radionuclide Production Cross Section



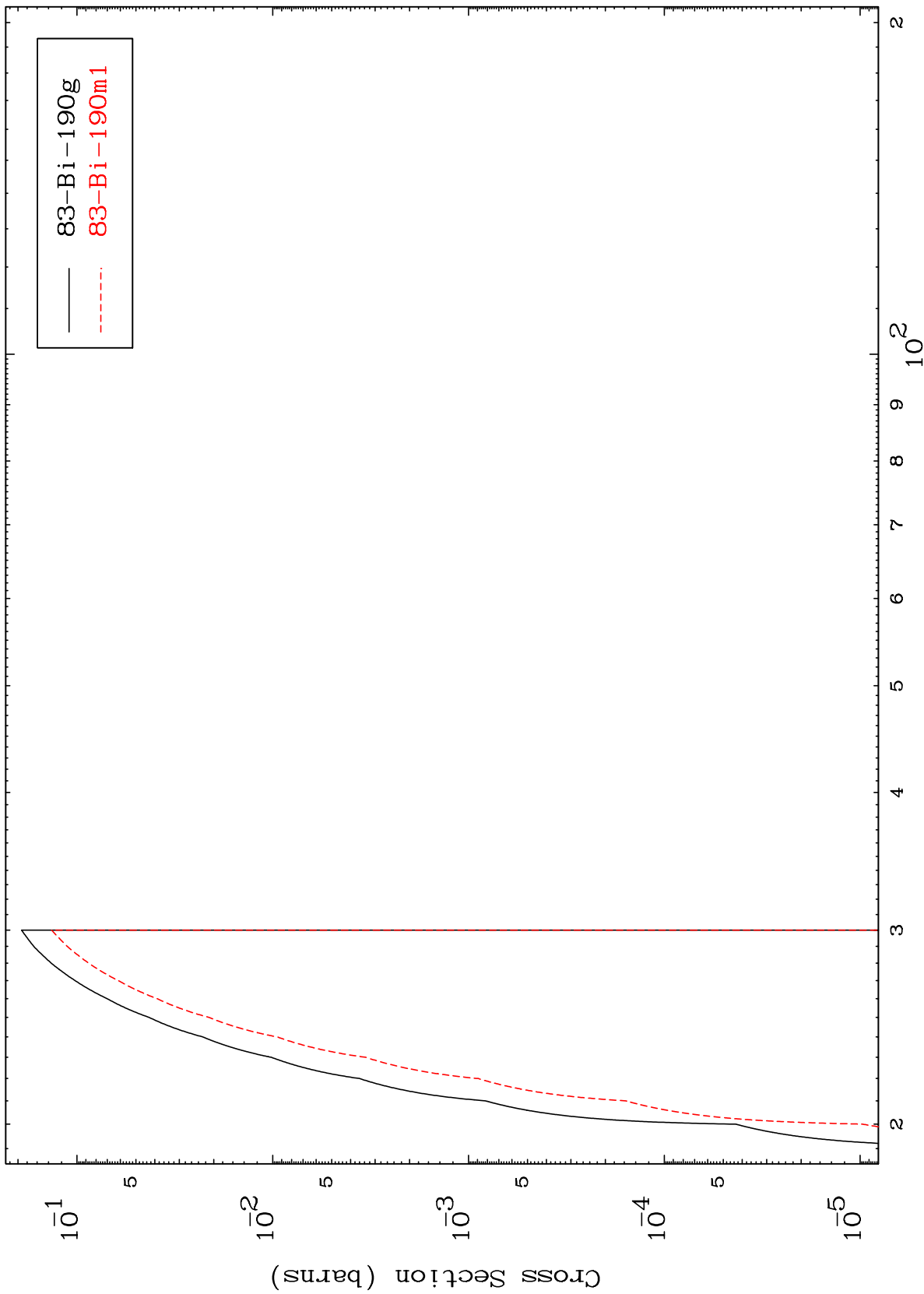
Incident Energy (MeV)

83-Bi-192

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83-Bi-192

(n,3n)  
Radionuclide Production Cross Section



19

83-Bi-192

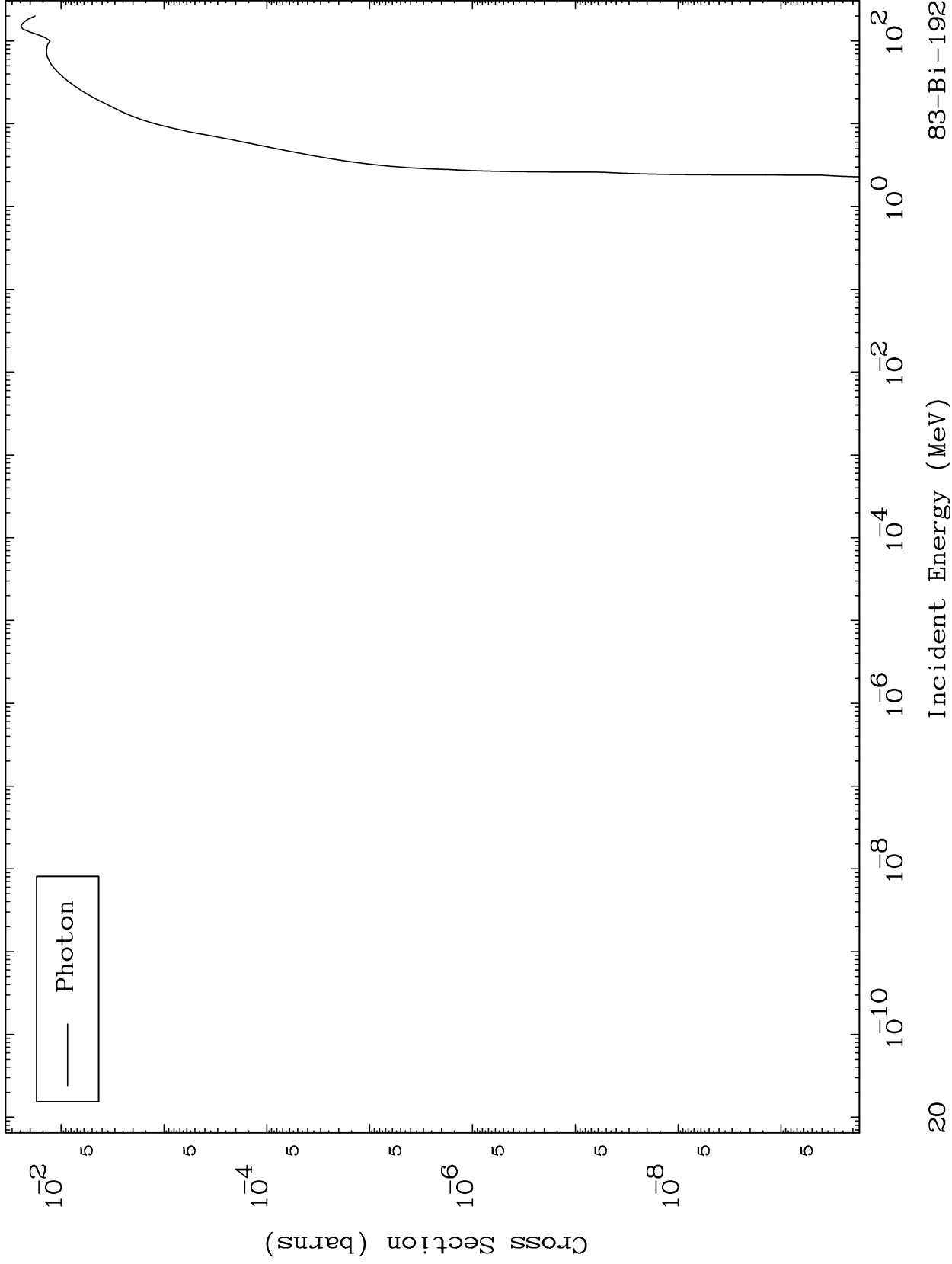
Incident Energy (MeV)

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Fission

83-Bi-192

Radionuclide Production Cross Section



20

Incident Energy (MeV)

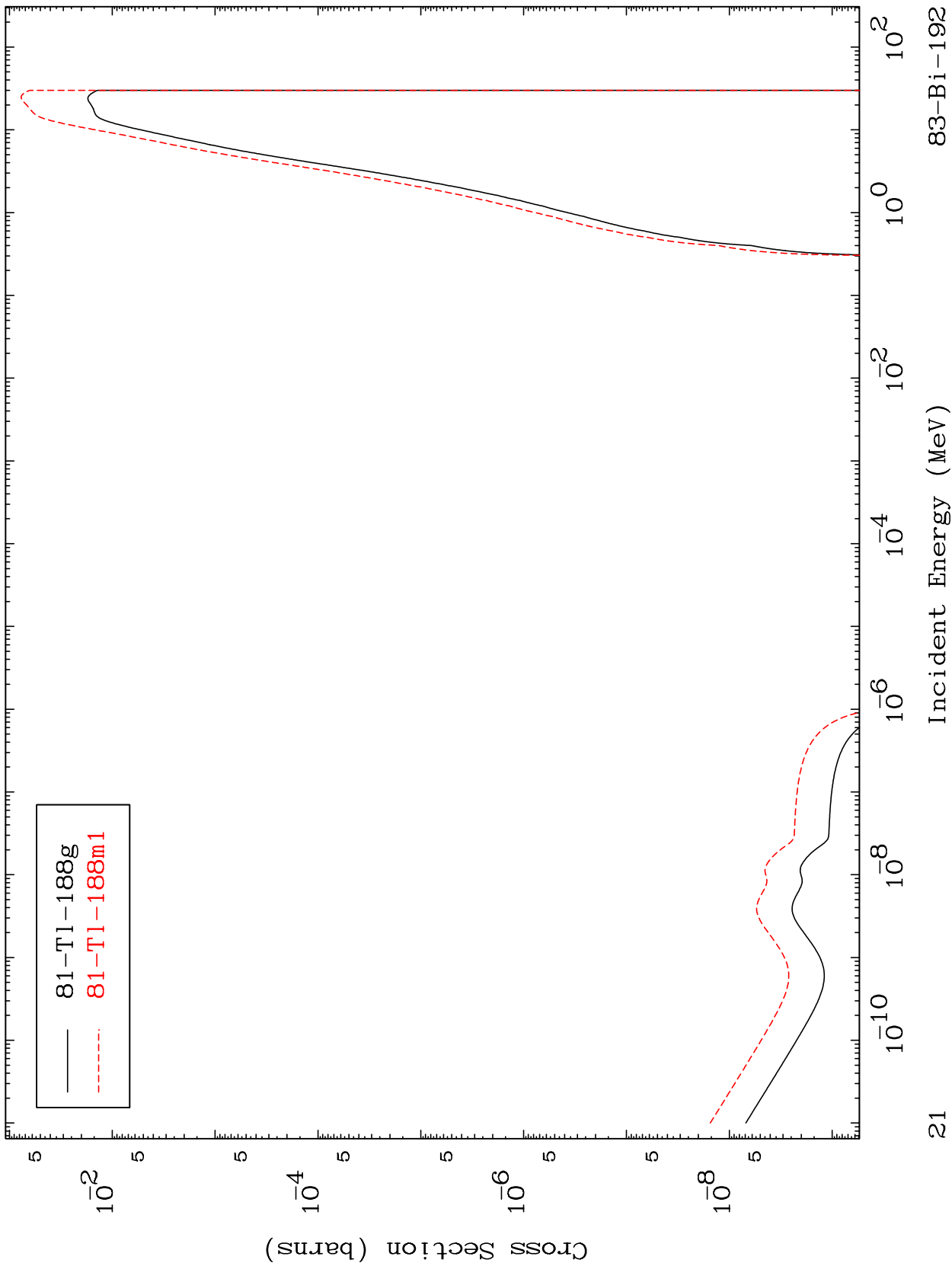
83-Bi-192

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$(n, n') \alpha$

83-Bi-192

Radionuclide Production Cross Section

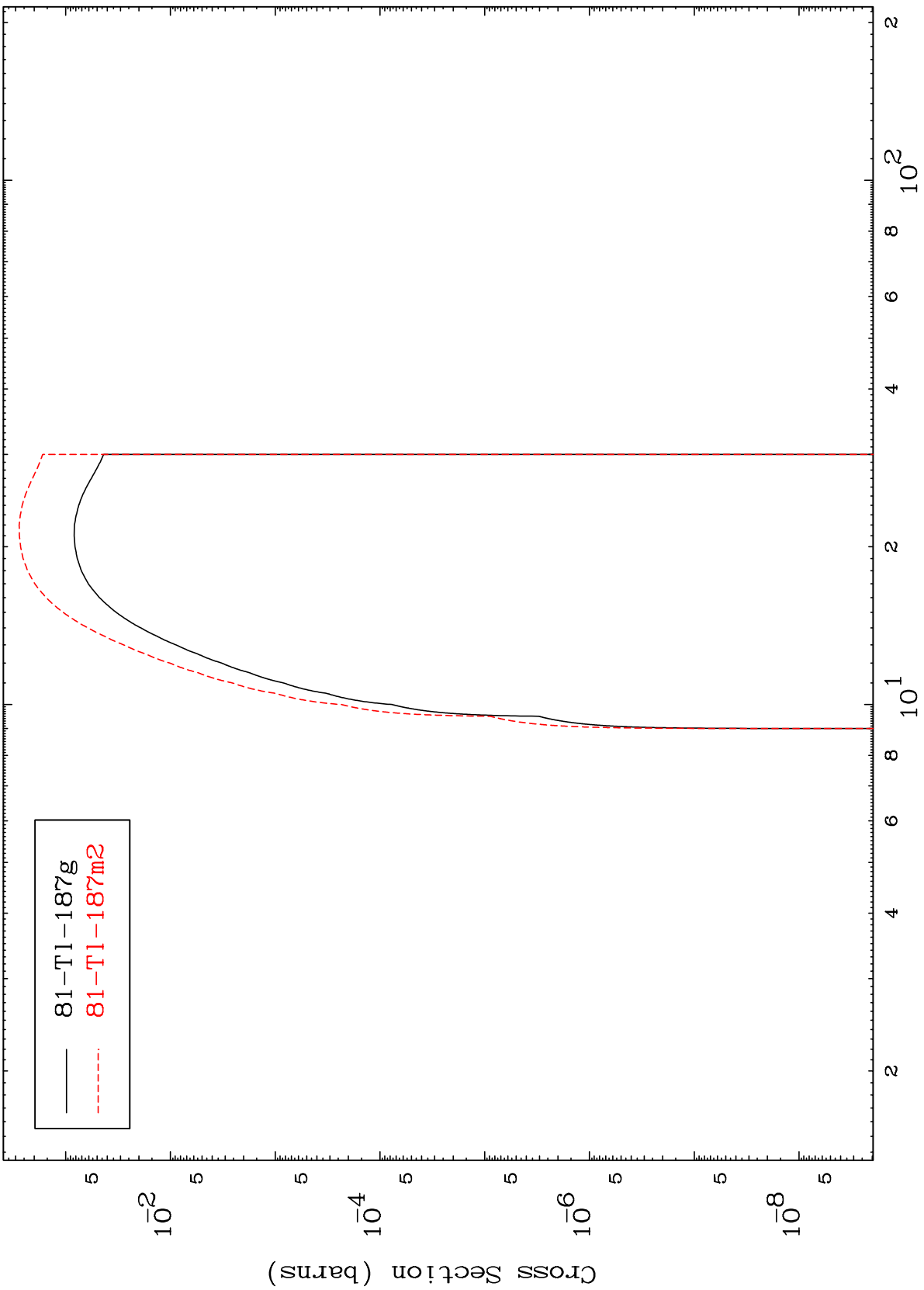


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(n,2n)  $\alpha$

83-Bi-192

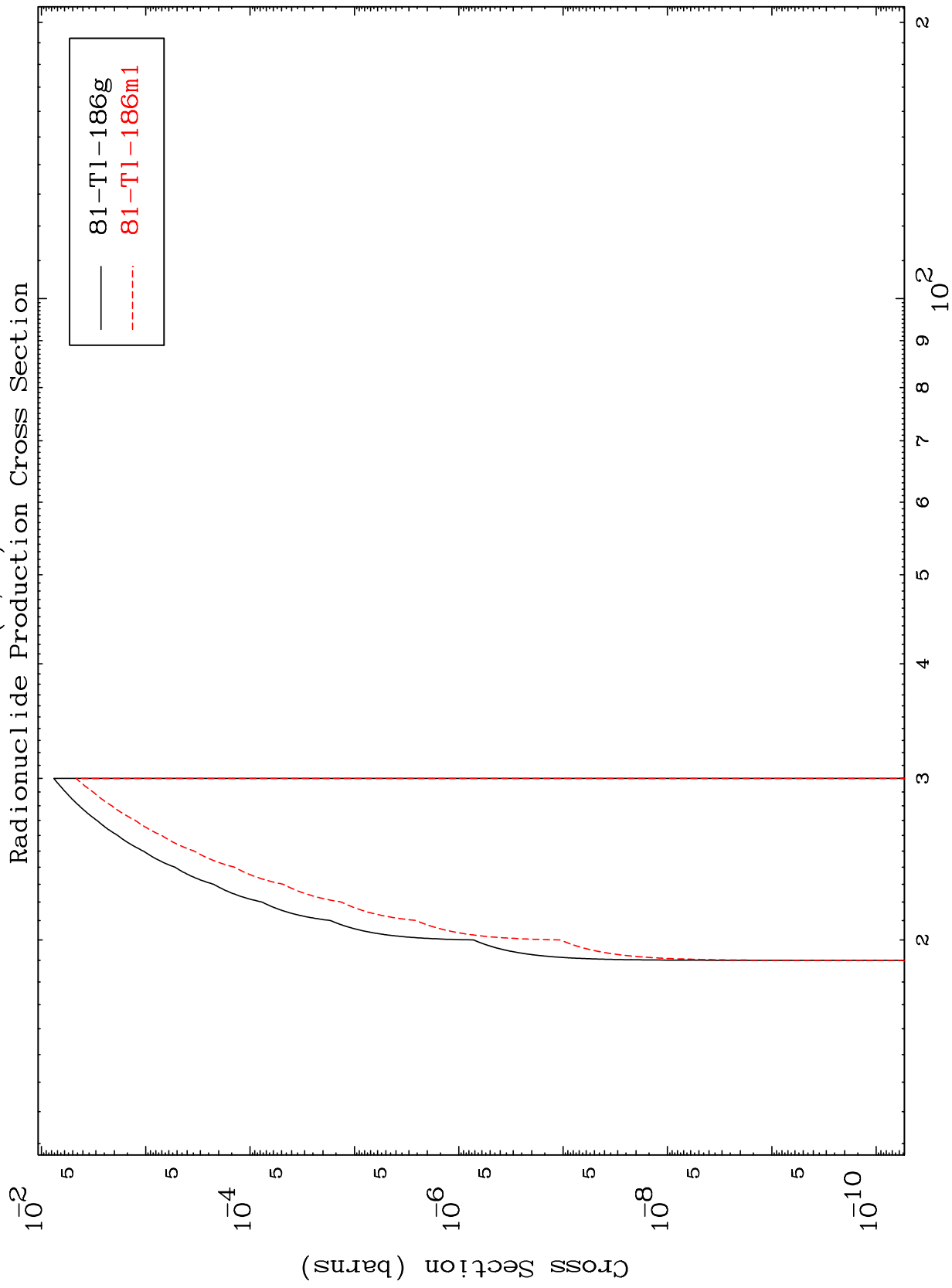
Radionuclide Production Cross Section



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(n,3n)  $\alpha$

83-Bi-192



23

Incident Energy (MeV)

83-Bi-192

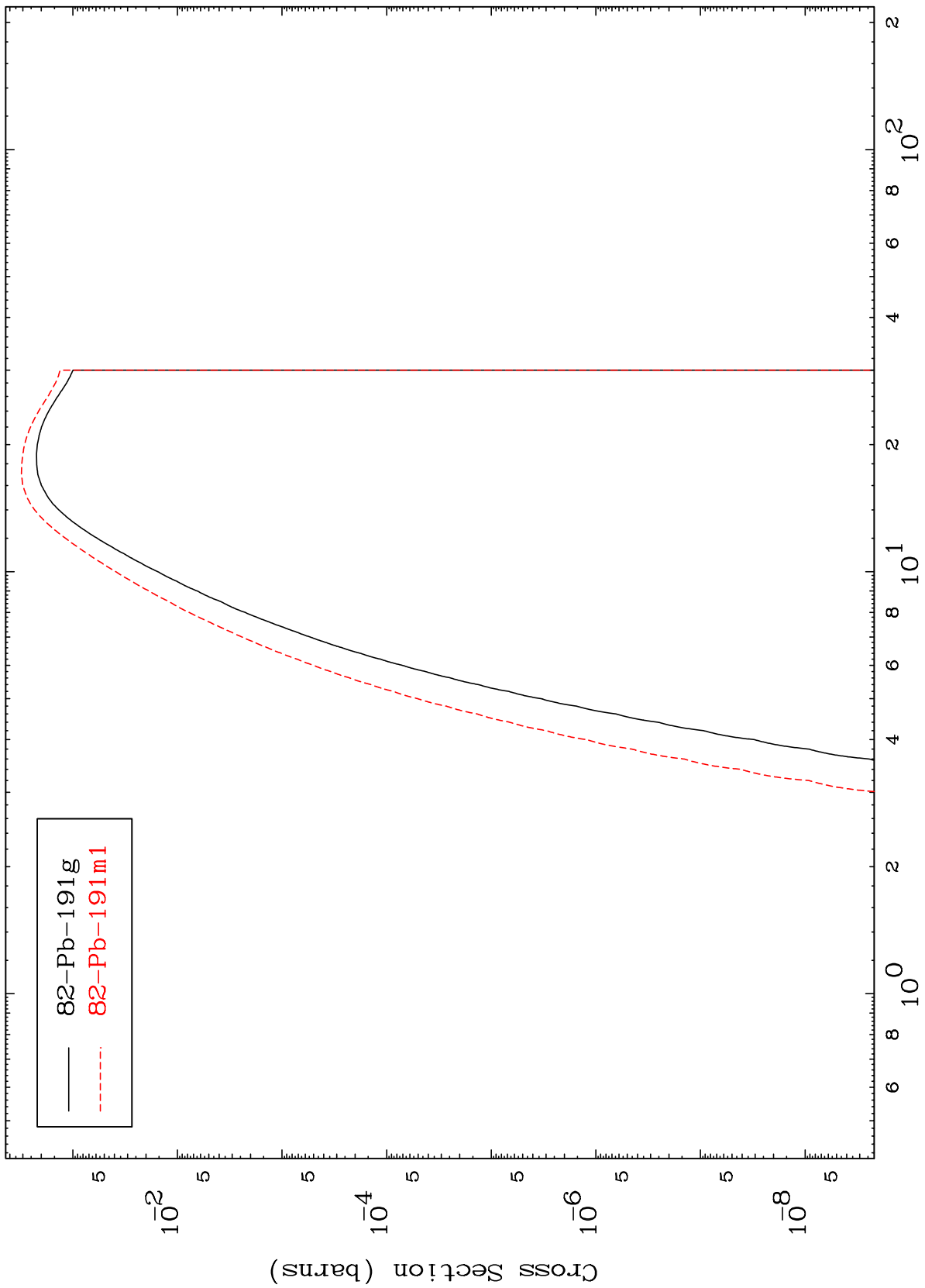


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(n,n') p

83-Bi-192

Radionuclide Production Cross Section



24

Incident Energy (MeV)

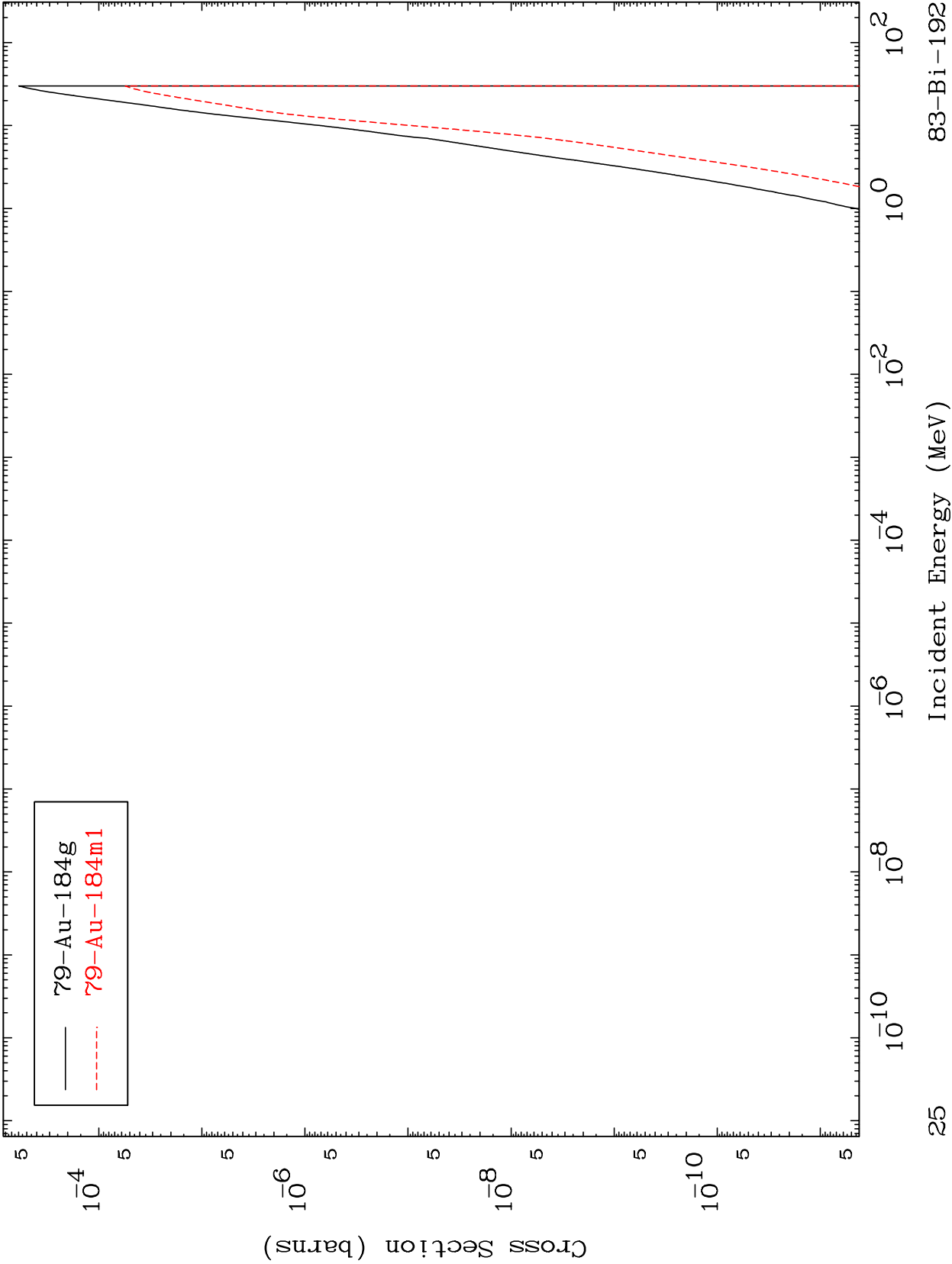
83-Bi-192

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(n,n') 2 $\alpha$

83-Bi-192

Radionuclide Production Cross Section



25

Incident Energy (MeV)

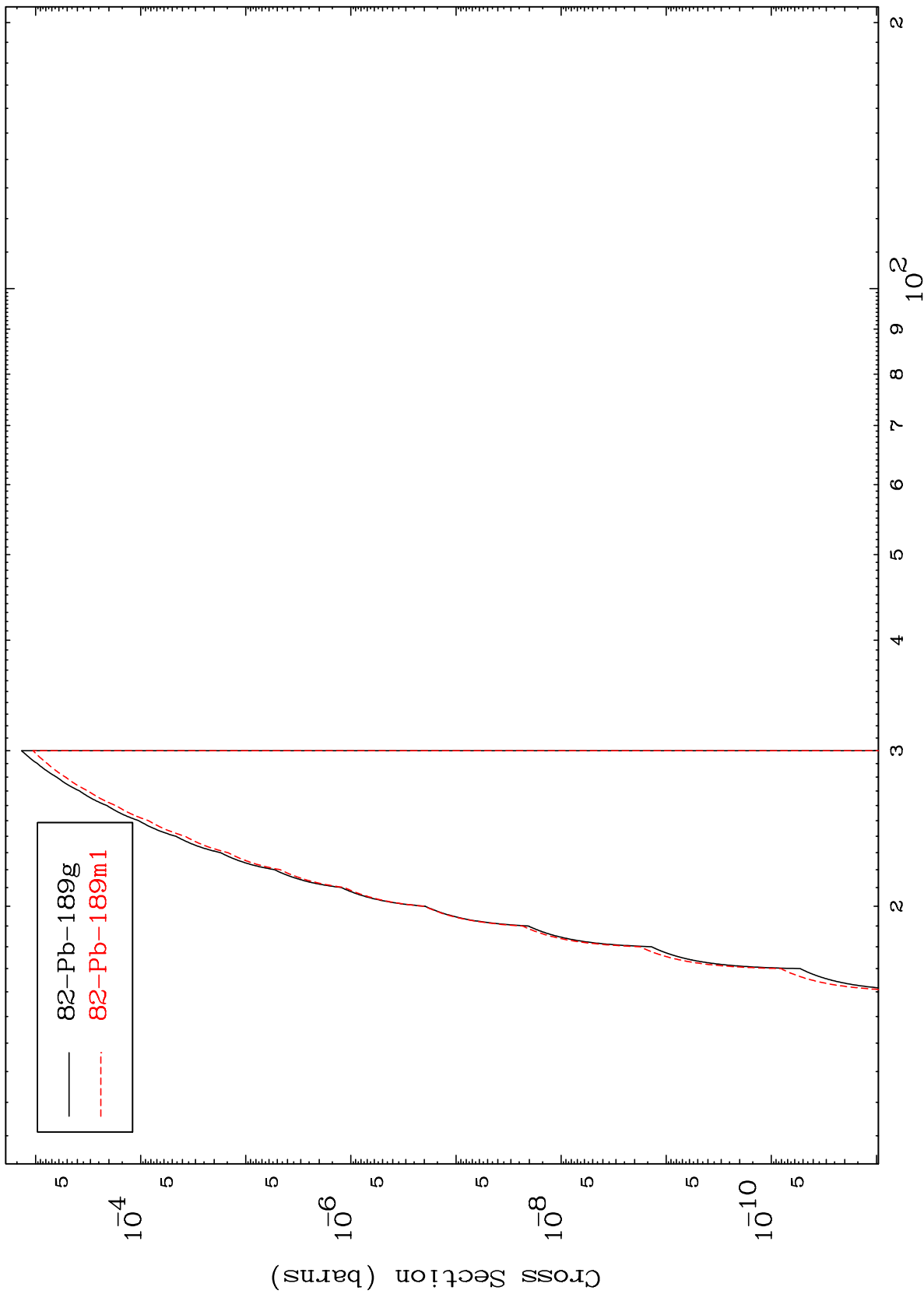
83-Bi-192

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(n,n') t

83-Bi-192

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-192

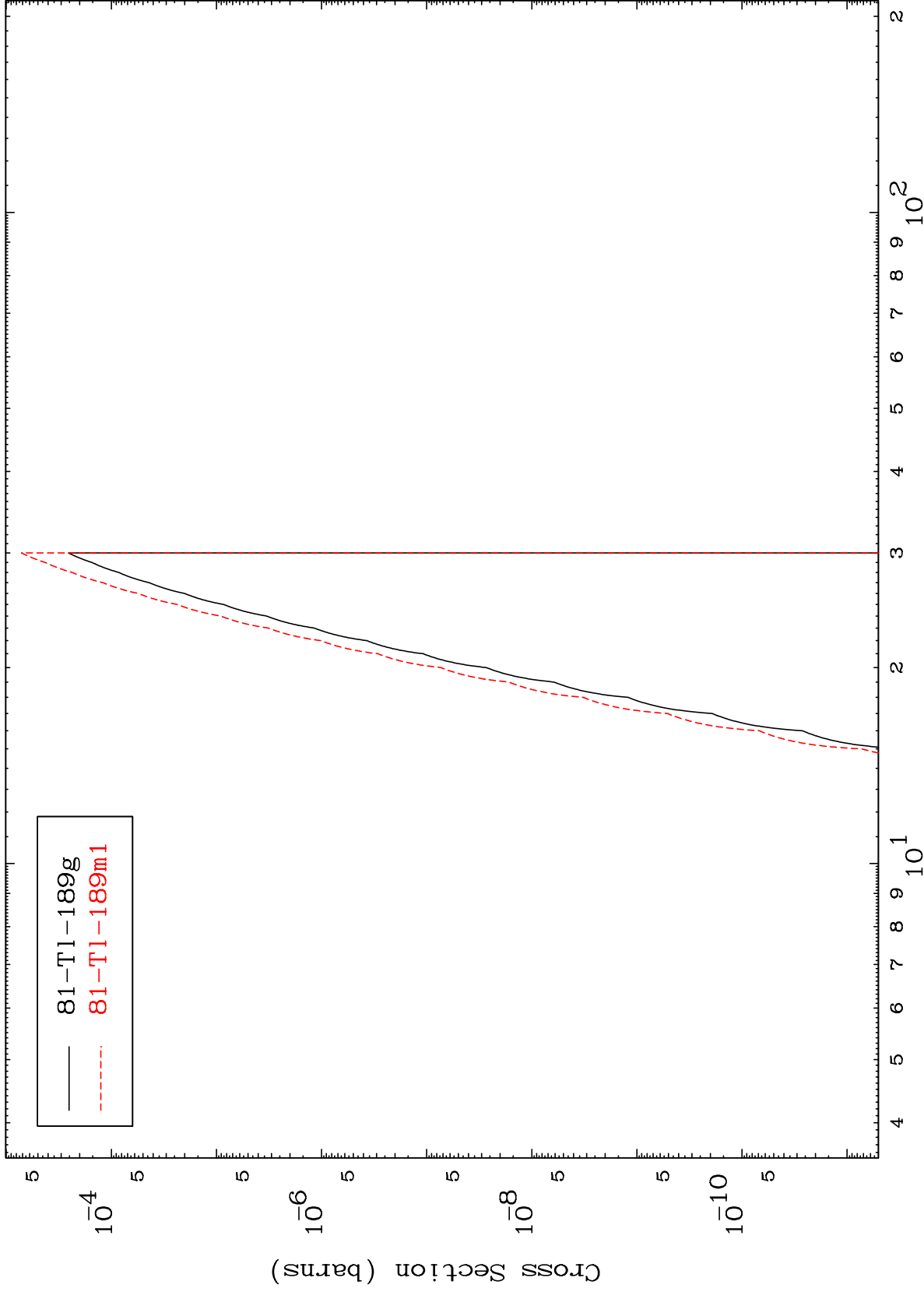
26

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(n,n') He-3

83-Bi-192

Radionuclide Production Cross Section



27

Incident Energy (MeV)

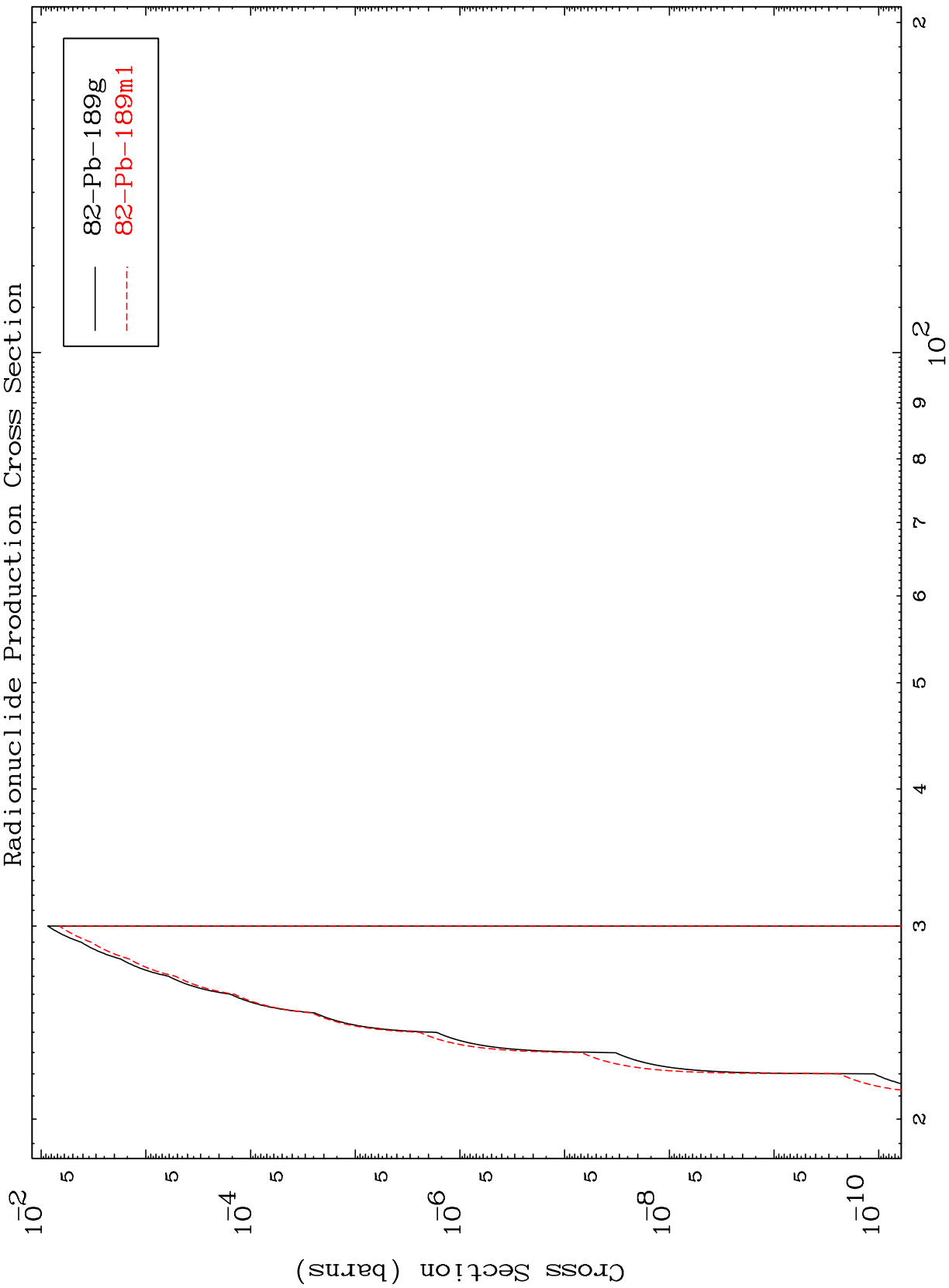
83-Bi-192

MAT 8275

83-Bi-192

(n,3n) p

Radionuclide Production Cross Section



28

Incident Energy (MeV)

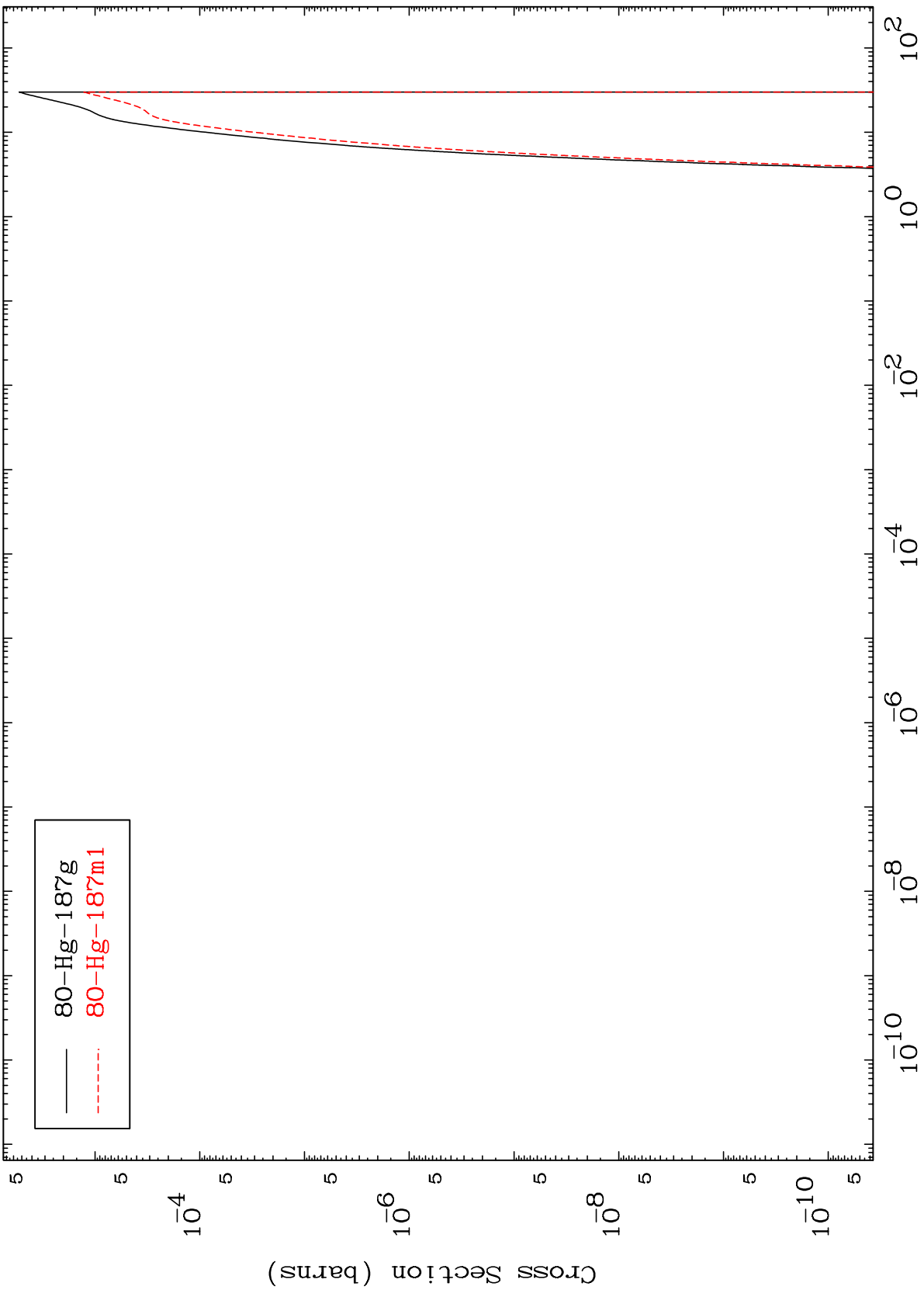
83-Bi-192

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(n,n') p  $\alpha$

83-Bi-192

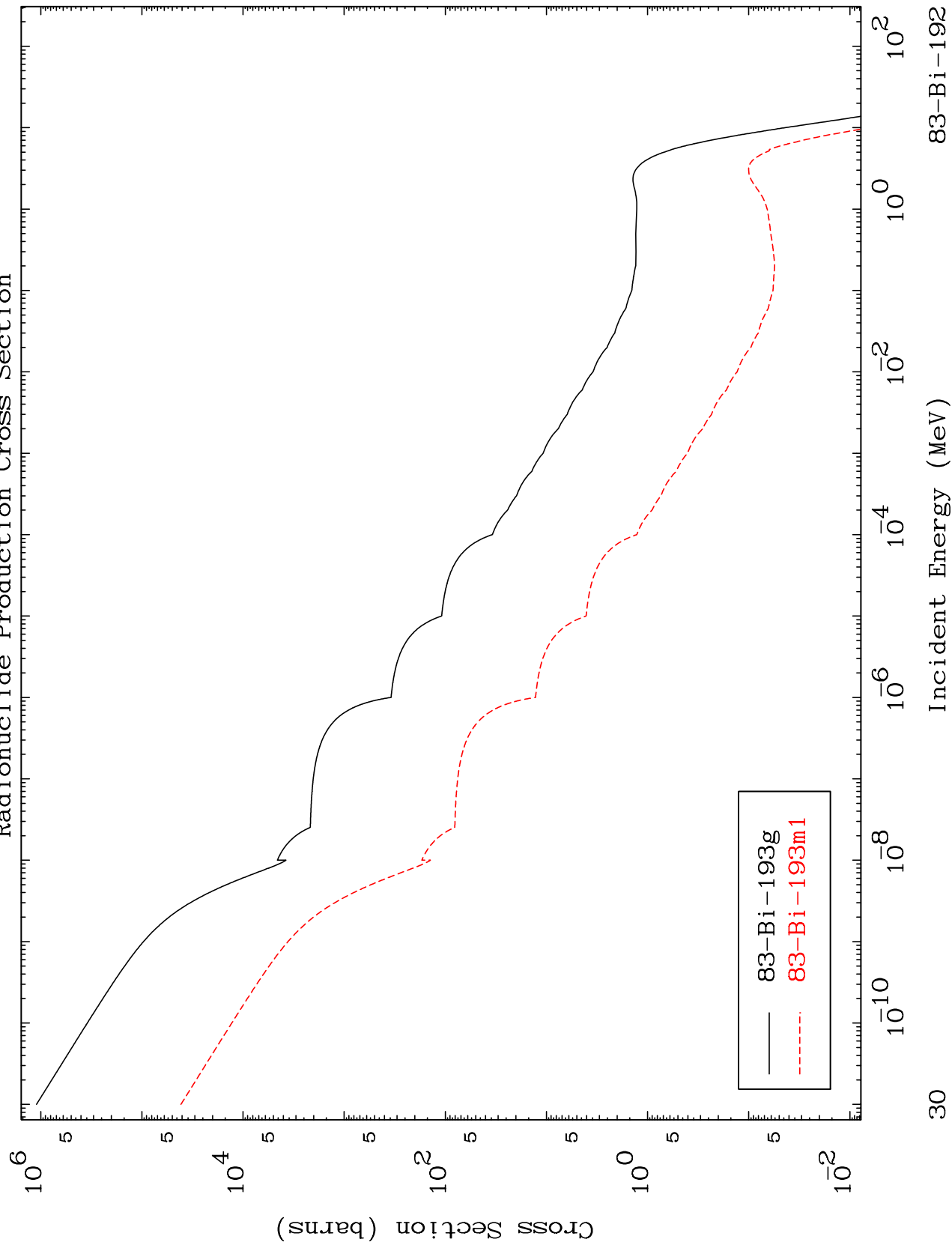
Radionuclide Production Cross Section



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83-Bi-192

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

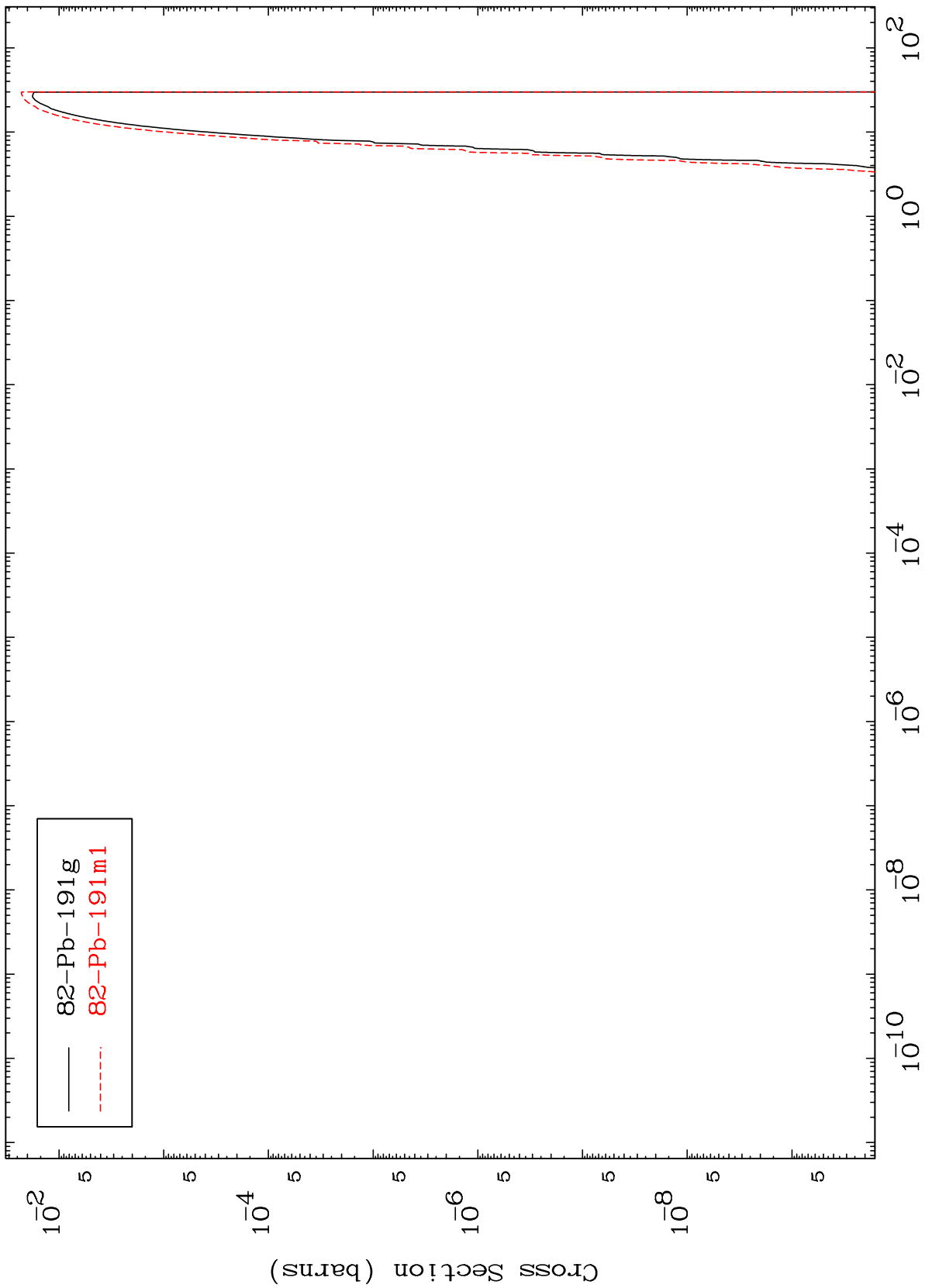


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(n,d)

83-Bi-192

Radionuclide Production Cross Section



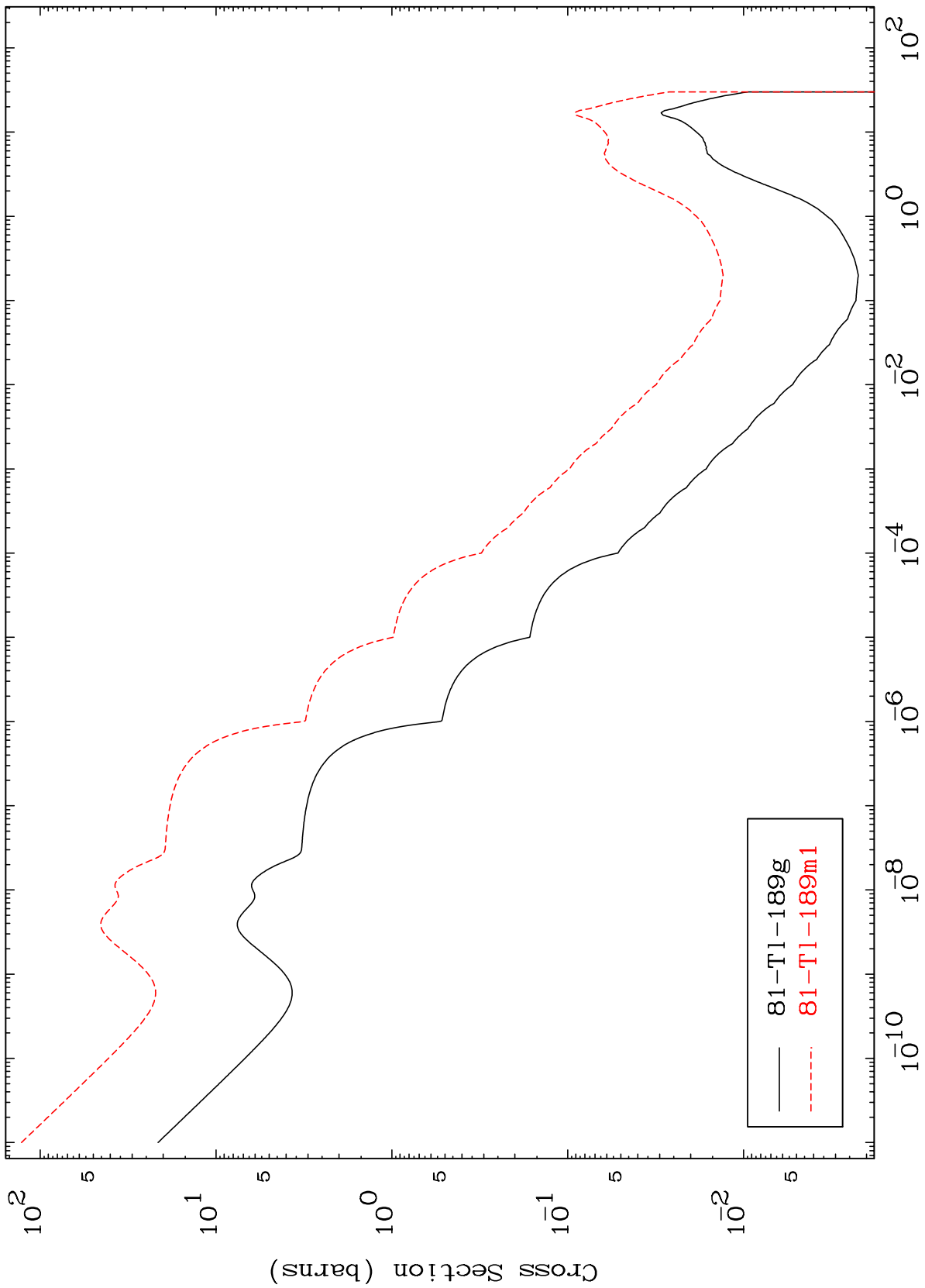


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(n,  $\alpha$ )

83-Bi-192

Radionuclide Production Cross Section

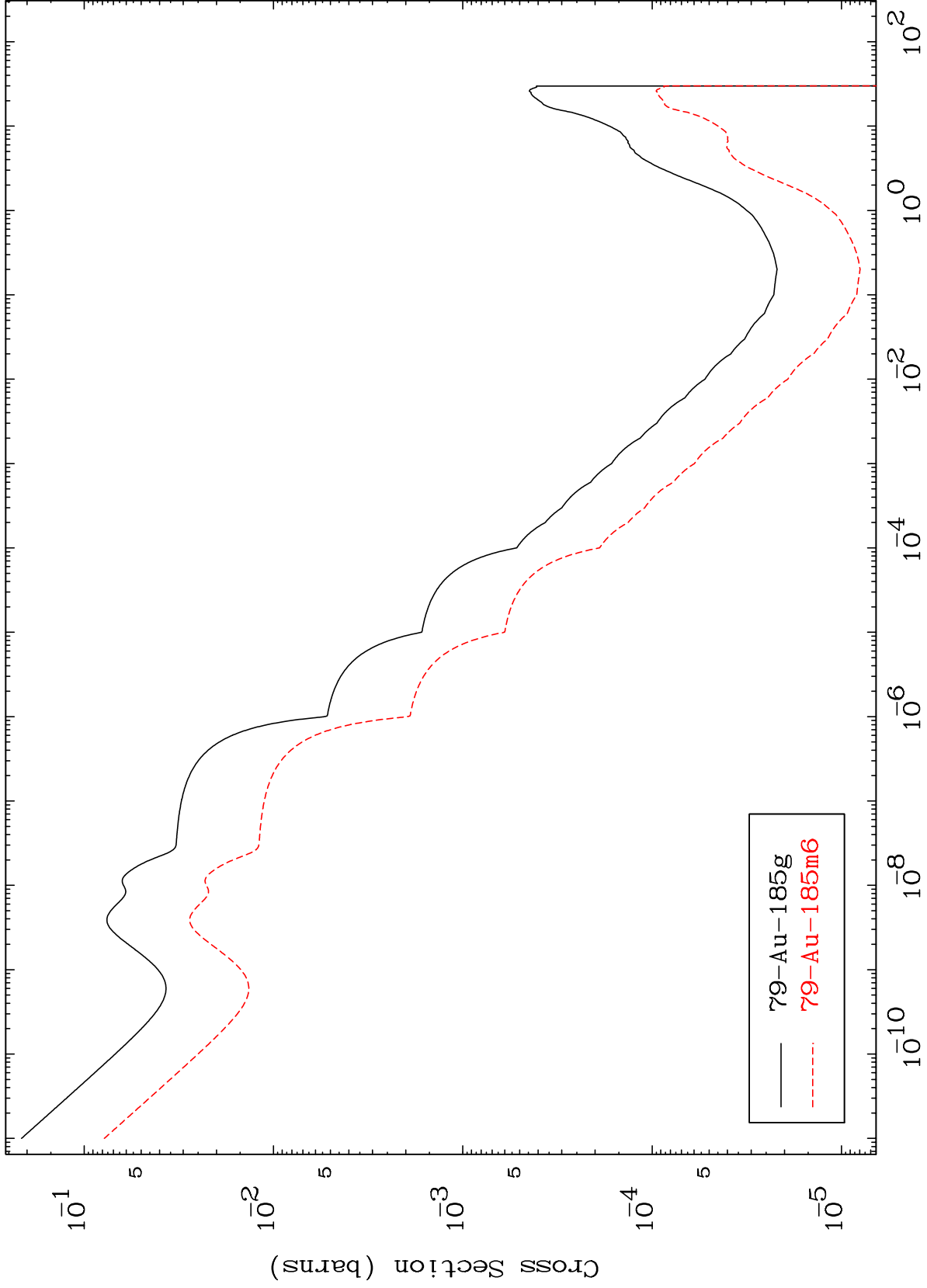


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(n,2α)

83-Bi-192

Radionuclide Production Cross Section



33

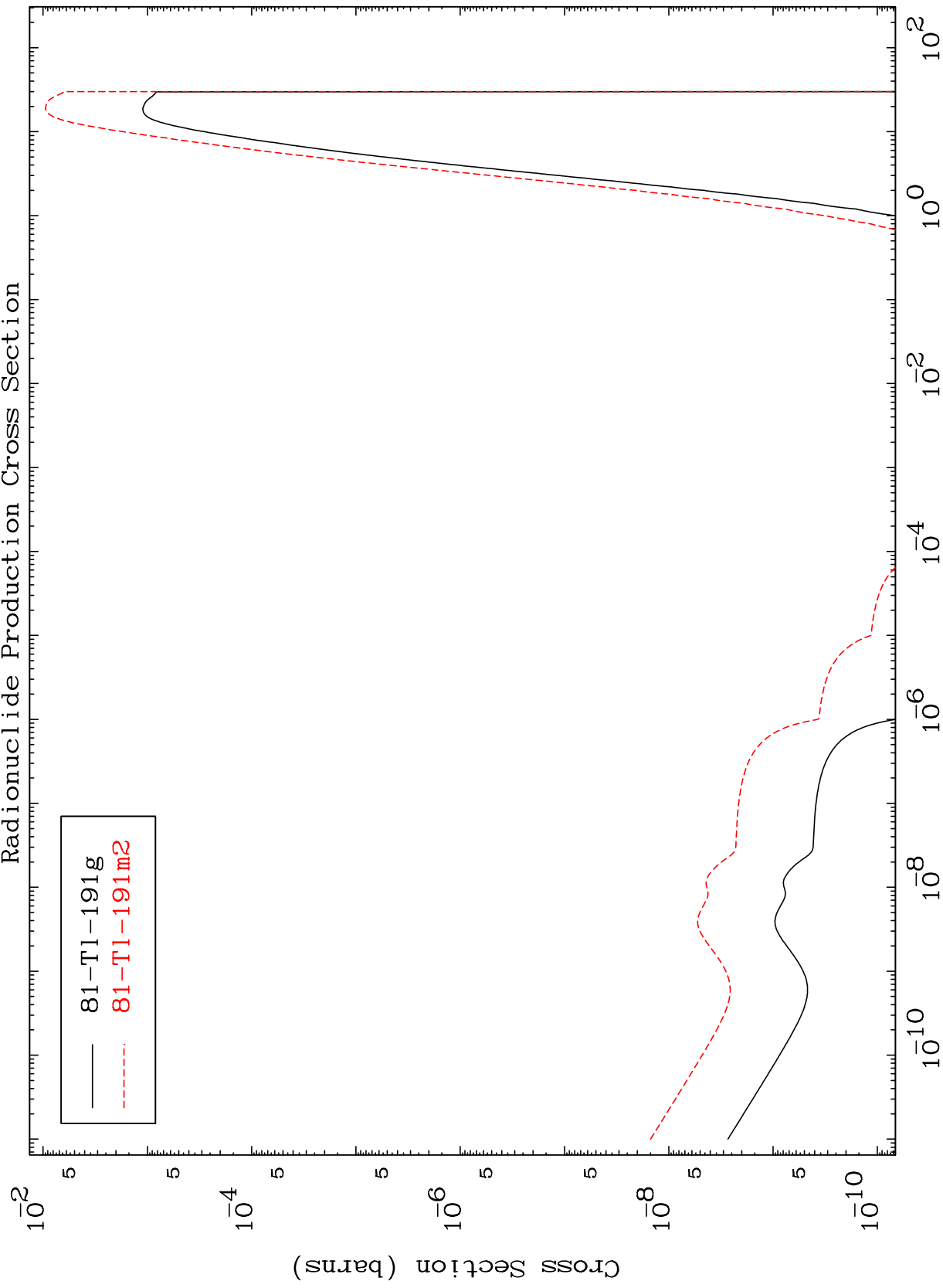
Incident Energy (MeV)

83-Bi-192

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83-Bi-192

(n,2p)  
Radionuclide Production Cross Section



83-Bi-192

Incident Energy (MeV)

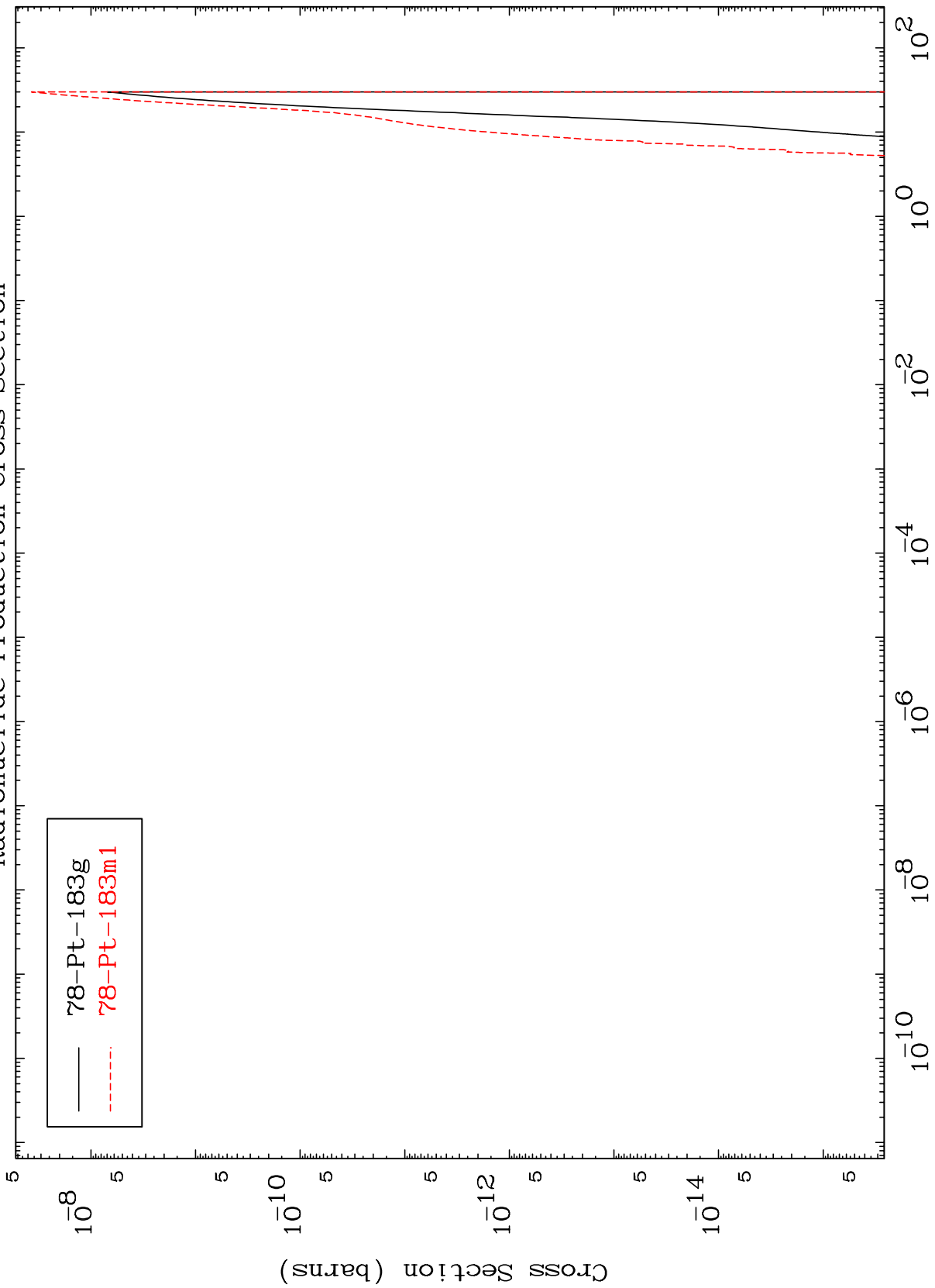
34

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(n,d) 2 $\alpha$

83-Bi-192

Radionuclide Production Cross Section



78-Pt-183g  
78-Pt-183m1

Incident Energy (MeV)

83-Bi-192

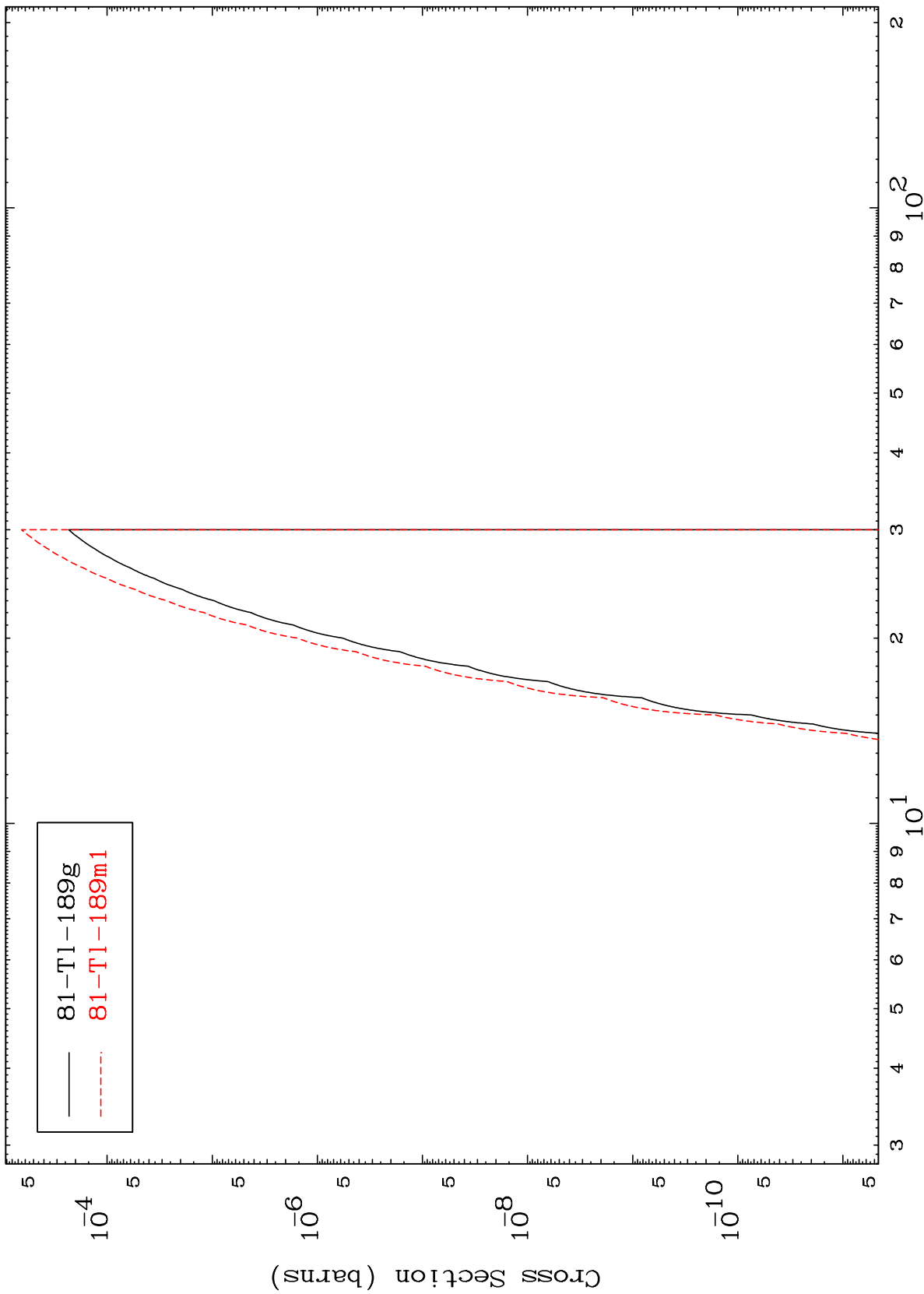
35

MAT 8275

(n,p) t

83-Bi-192

Radionuclide Production Cross Section



81-Tl-189g  
81-Tl-189m1

Incident Energy (MeV)

83-Bi-192

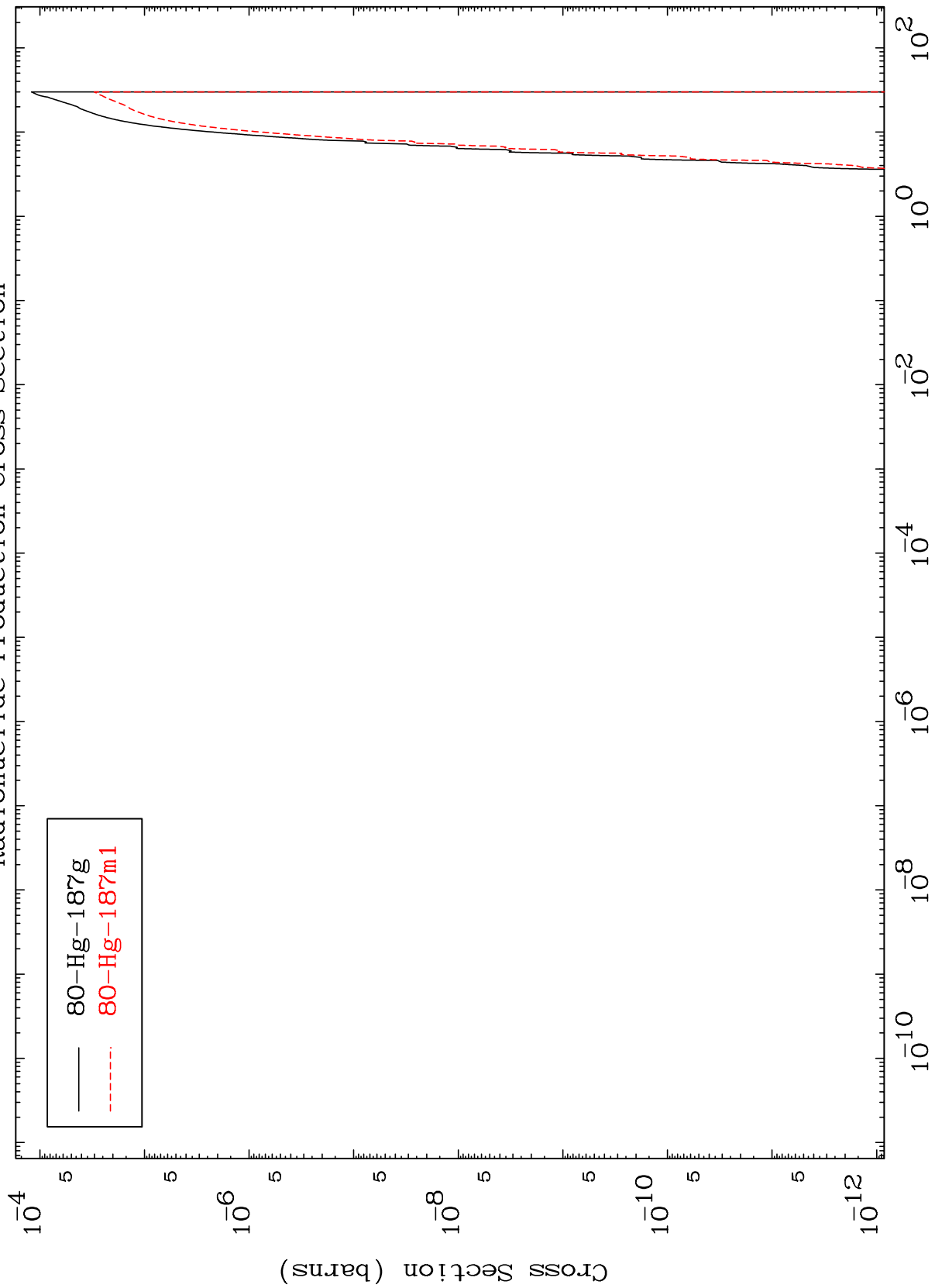
36

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(n,d)  $\alpha$

83-Bi-192

Radionuclide Production Cross Section



80-Hg-187g  
80-Hg-187m1