

Program EVALPLOT  
(Version 2015-2)

by

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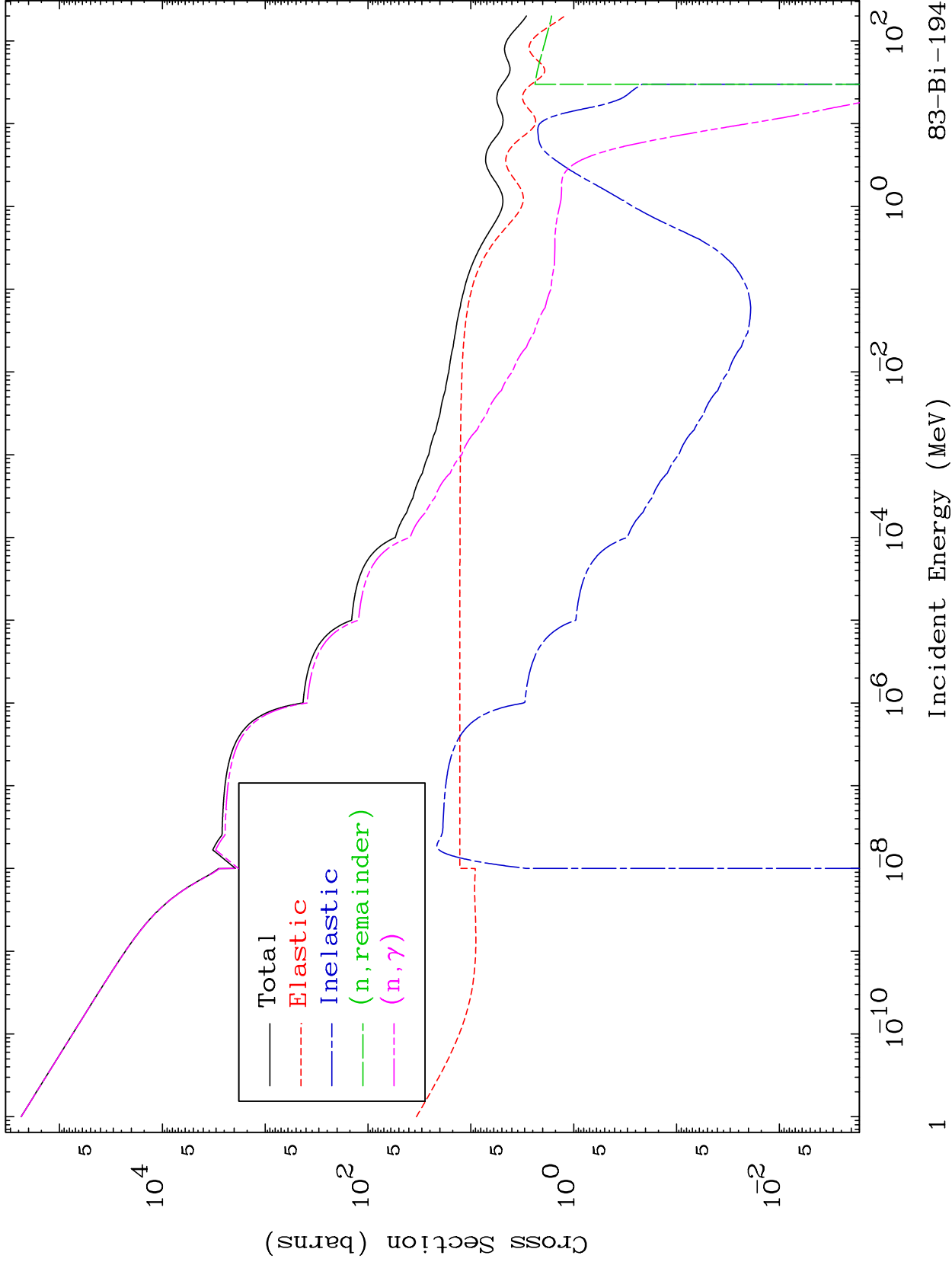
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8282

Major  
293 Kelvin Cross Sections

83-Bi-194



1

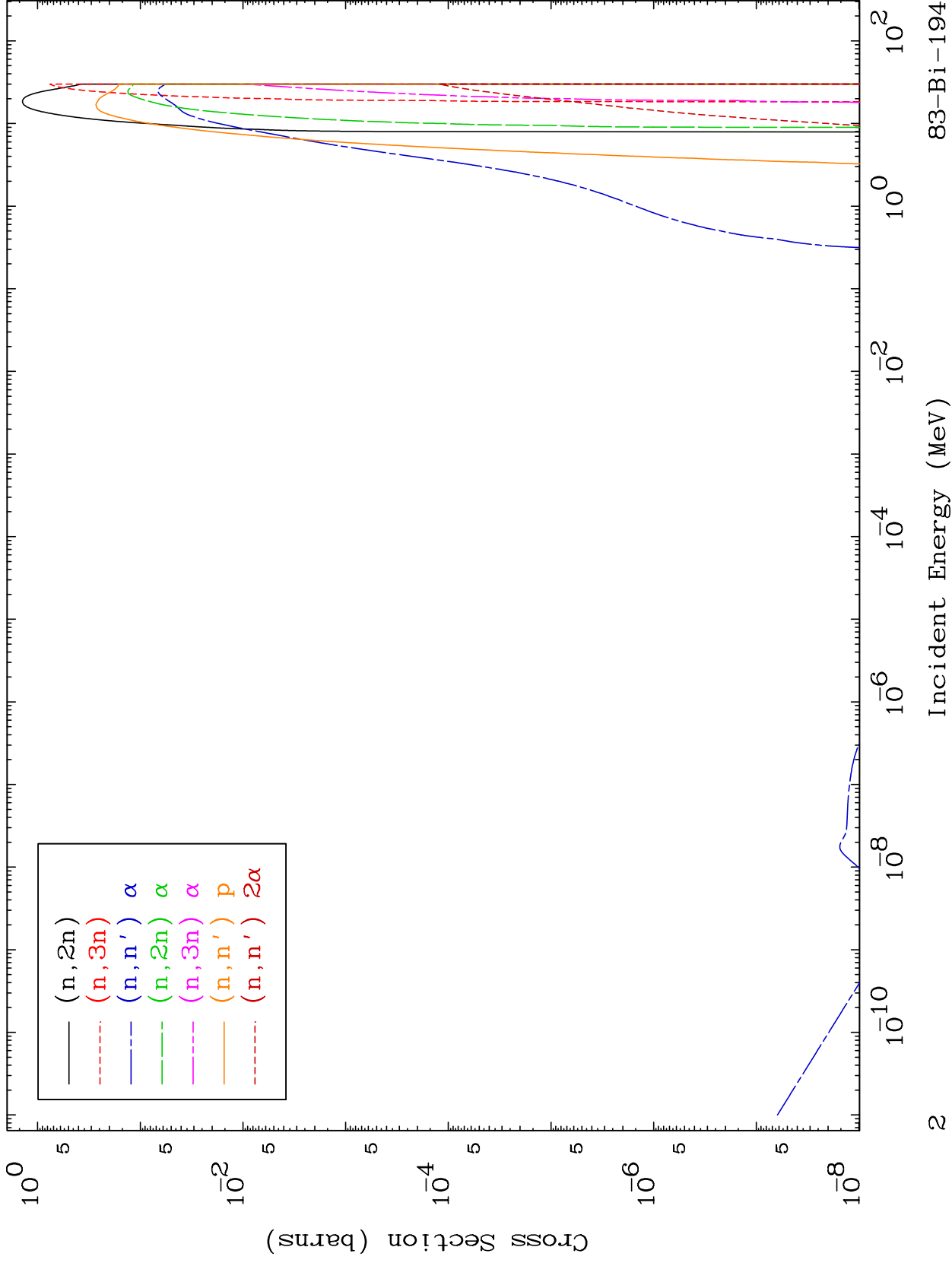
Incident Energy (MeV)

83-Bi-194

MAT 8282

Neutron Production  
293 Kelvin Cross Sections

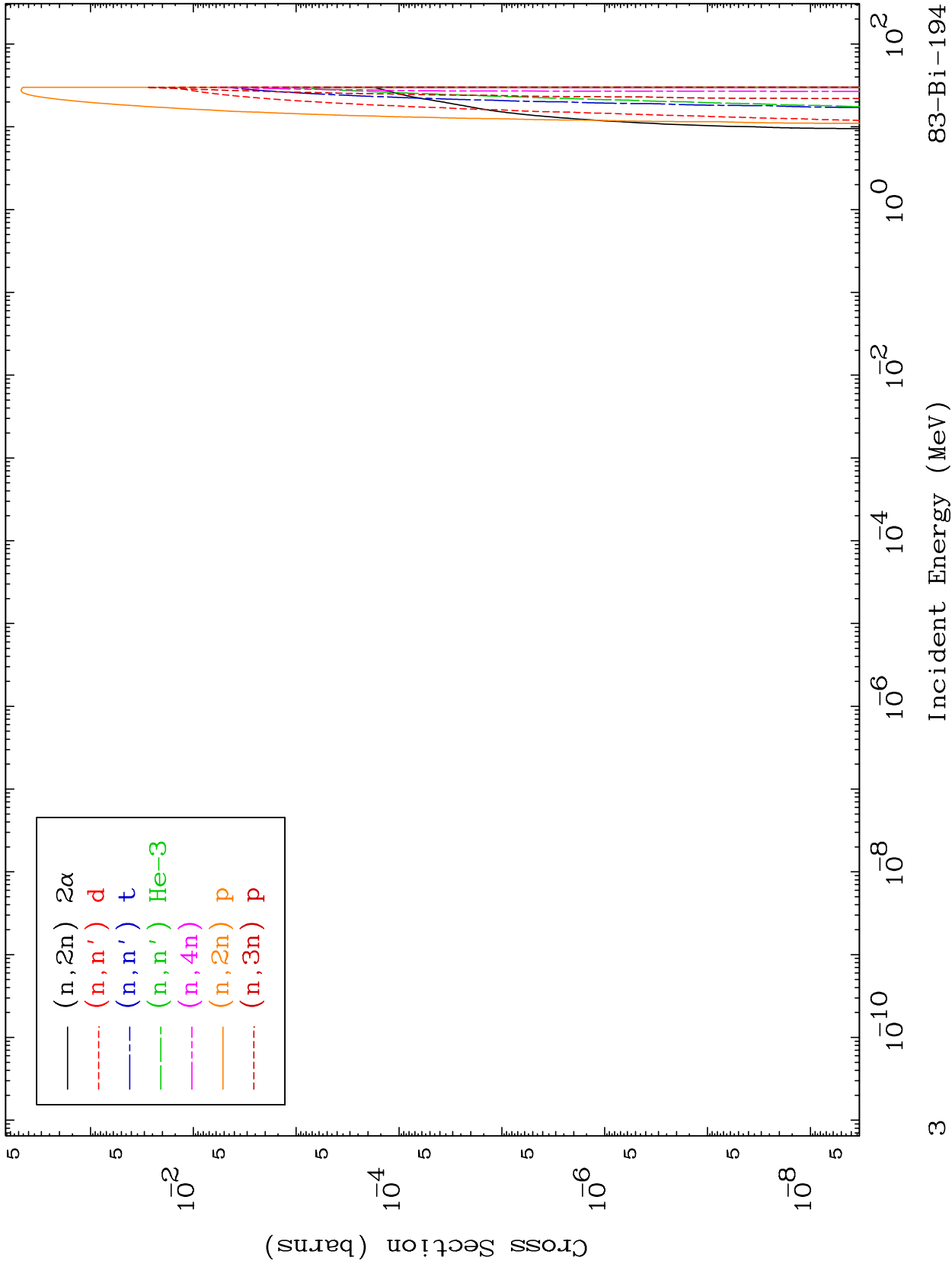
83-Bi-194



MAT 8282

Neutron Production  
293 Kelvin Cross Sections

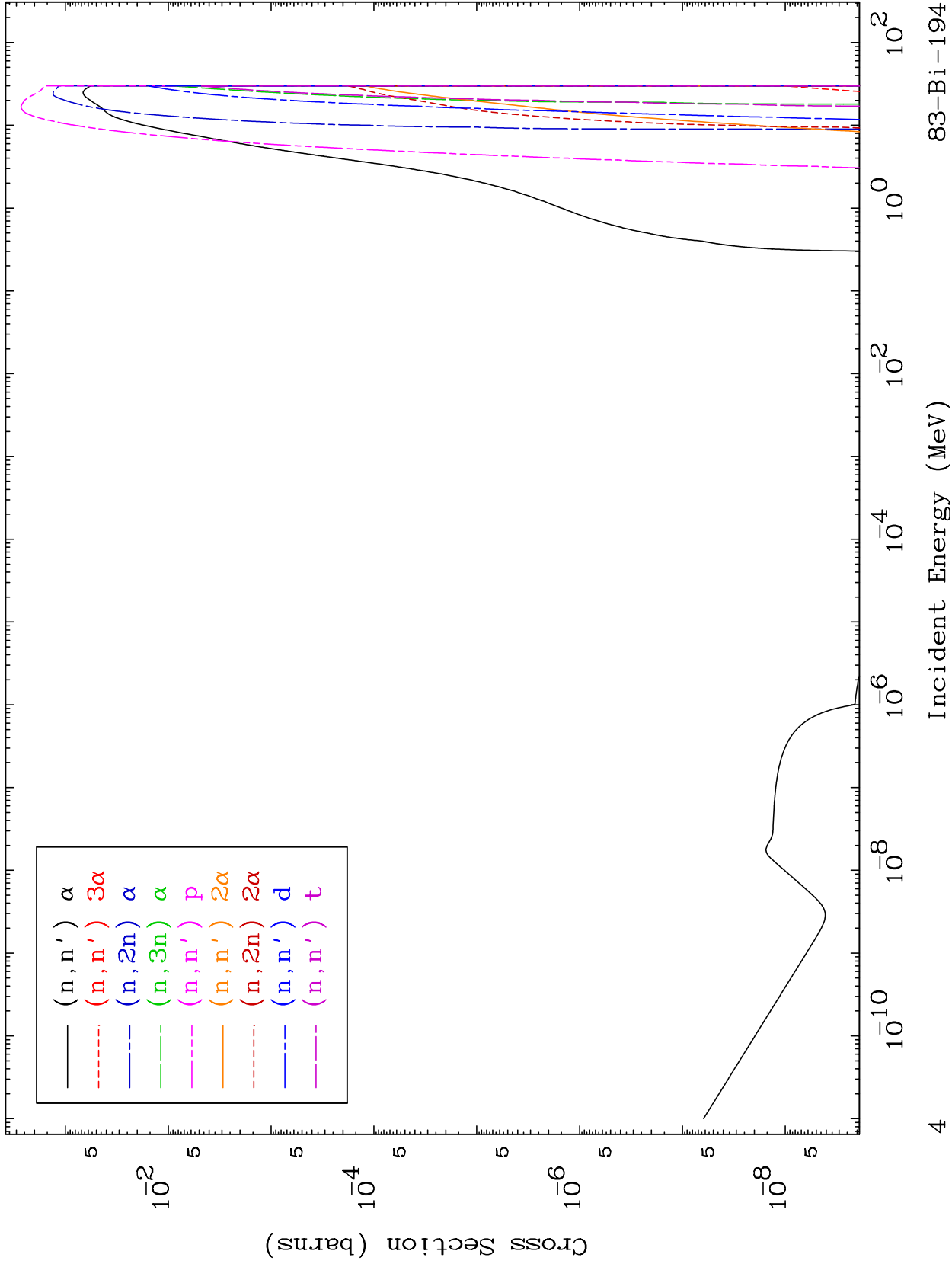
83-Bi-194

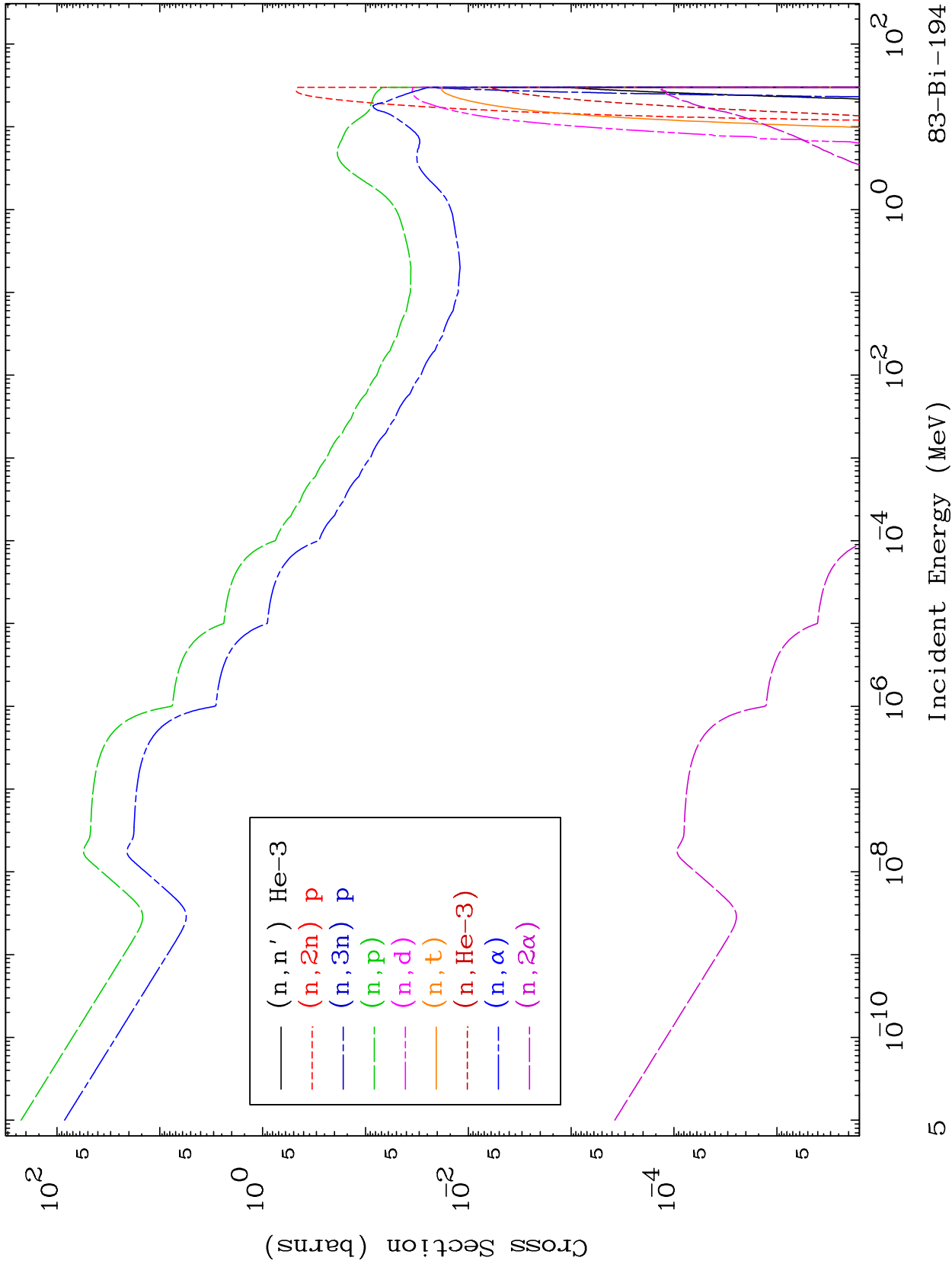


MAT 8282

Charged Particle  
293 Kelvin Cross Sections

83-Bi-194

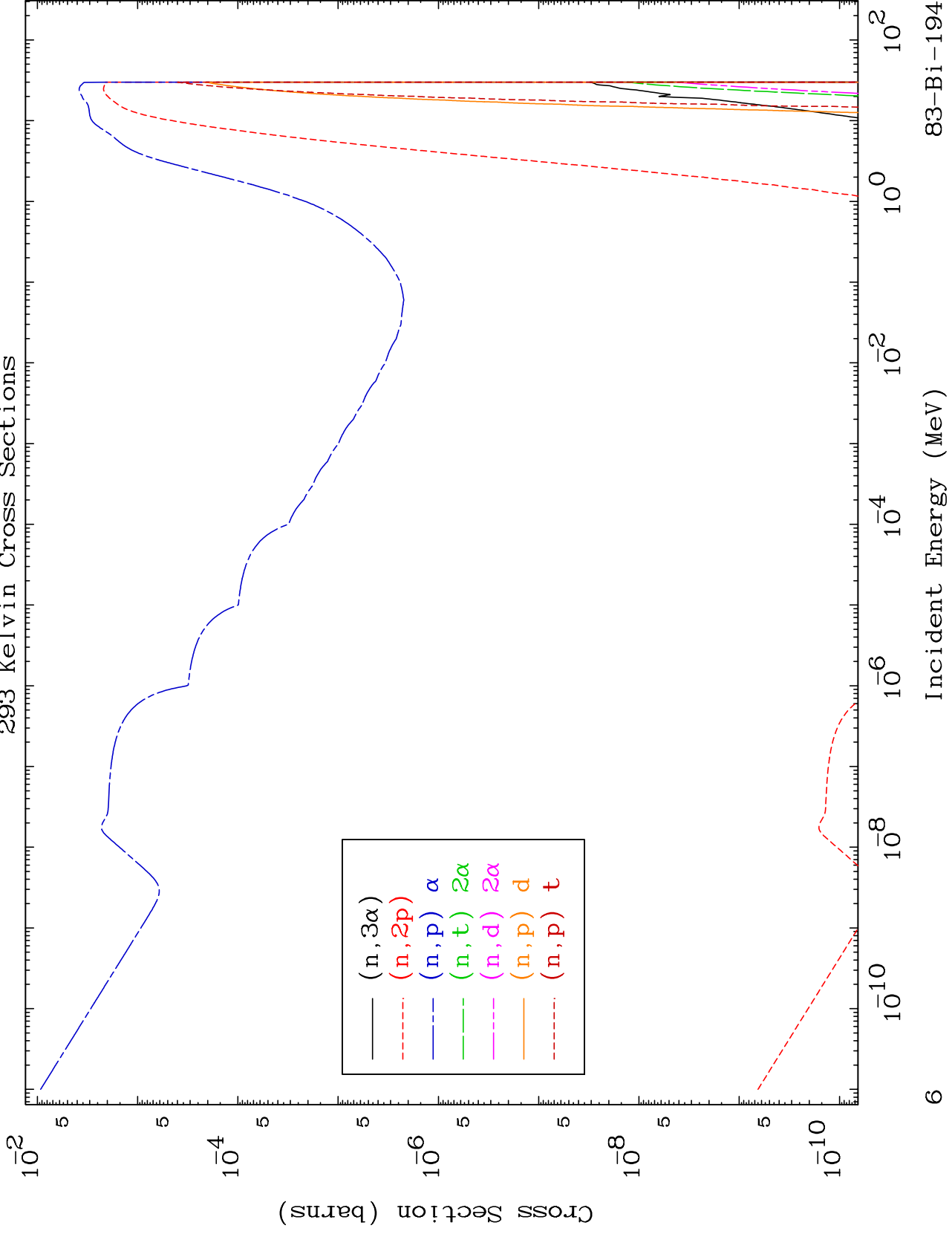




MAT 8282

Charged Particle  
293 Kelvin Cross Sections

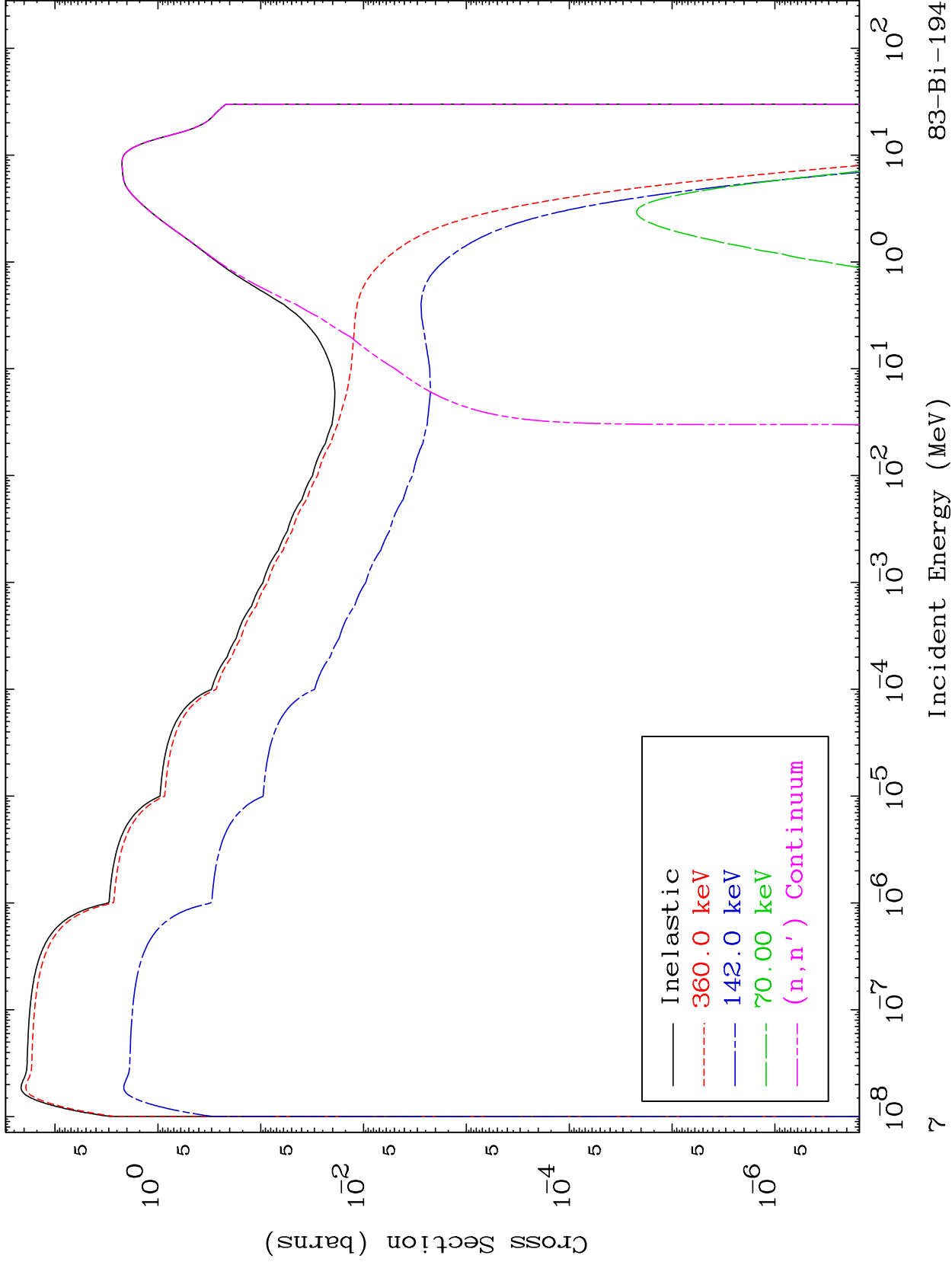
83-Bi-194



MAT 8282

(n,n') Level  
293 Kelvin Cross Sections

83-Bi-194

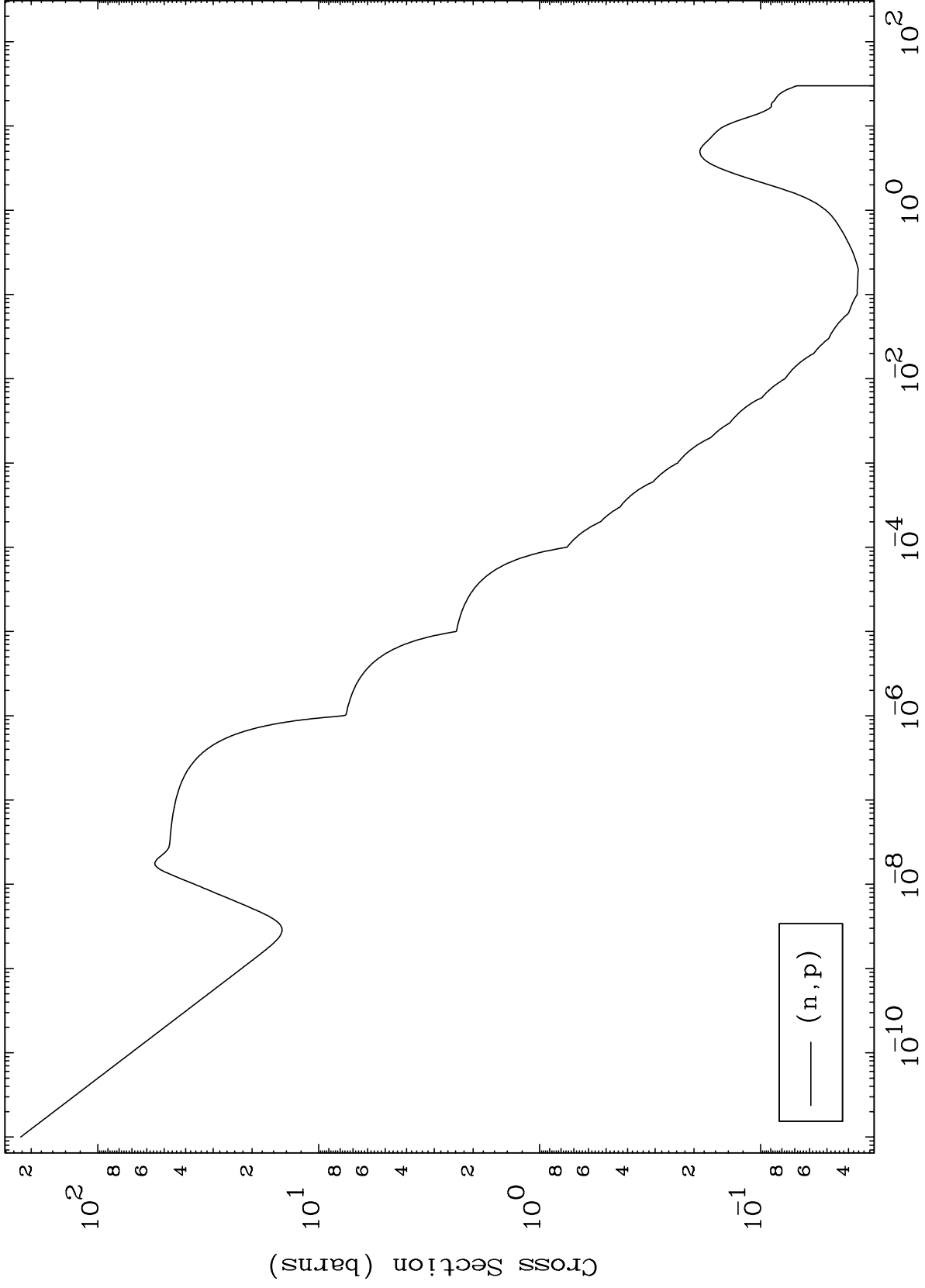




MAT 8282

(n,p) Levels  
293 Kelvin Cross Sections

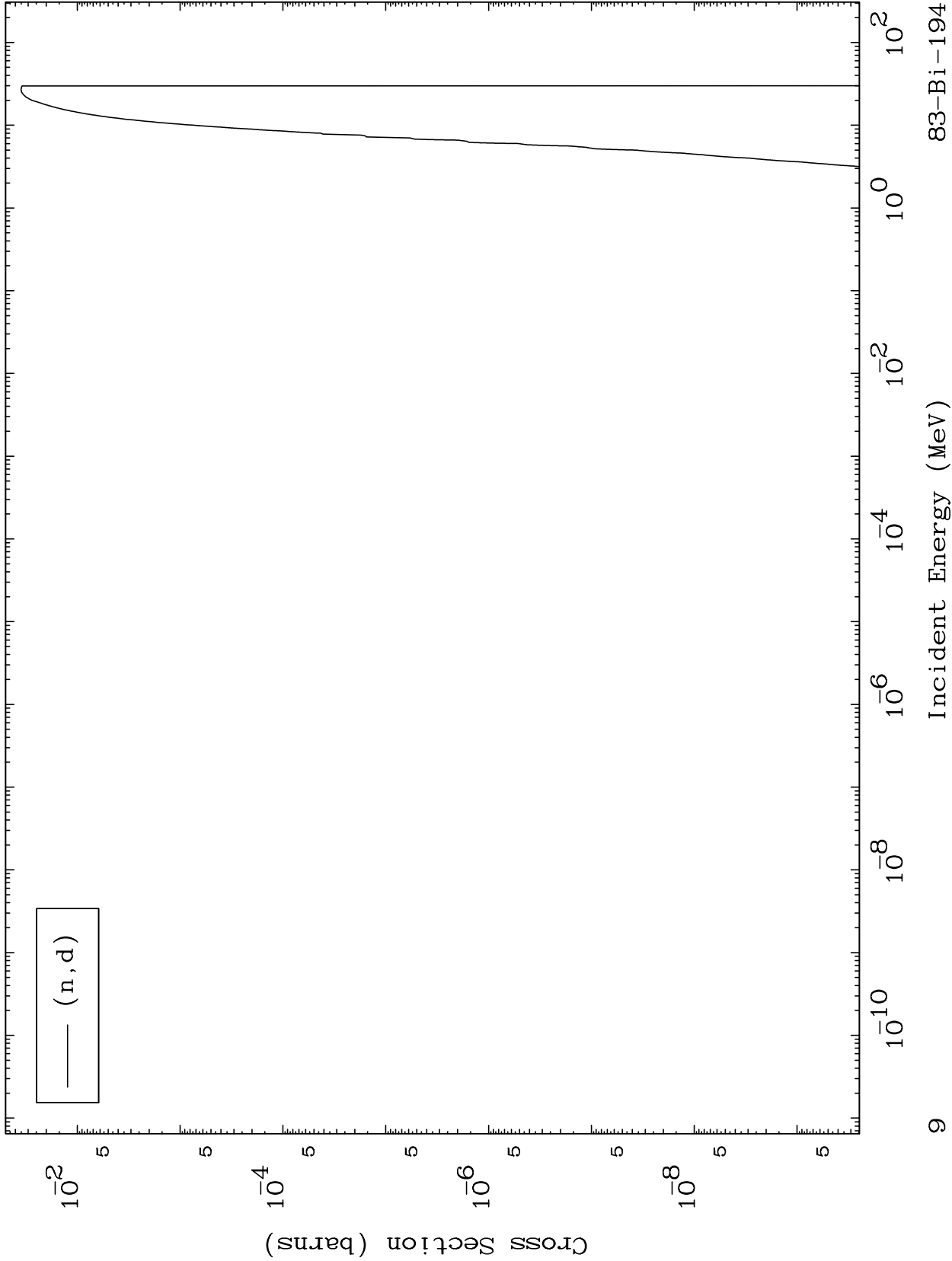
83-Bi-194



MAT 8282

(n,d) Levels  
293 Kelvin Cross Sections

83-Bi-194

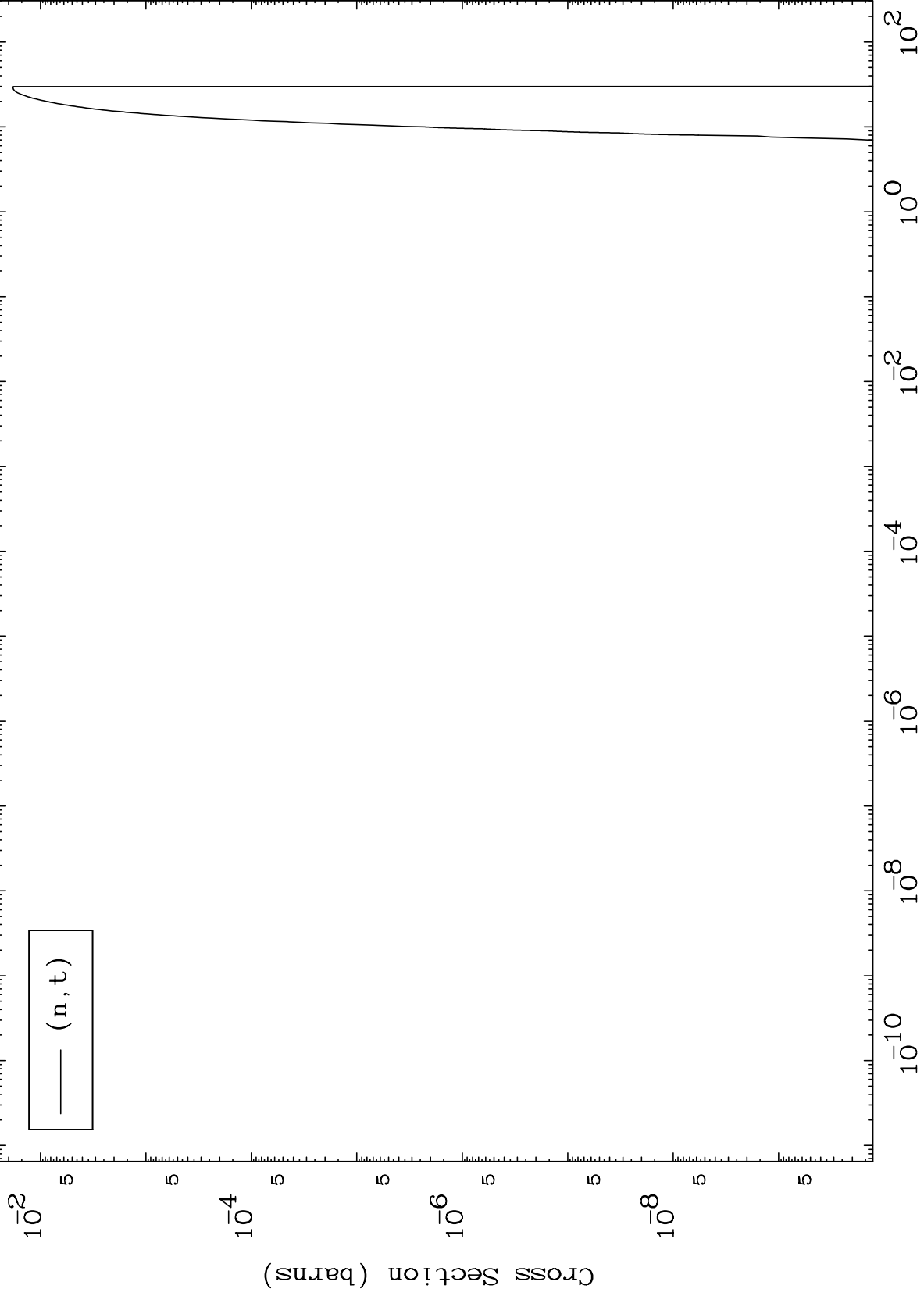


83-Bi-194

MAT 8282

(n,t) Levels  
293 Kelvin Cross Sections

83-Bi-194



10

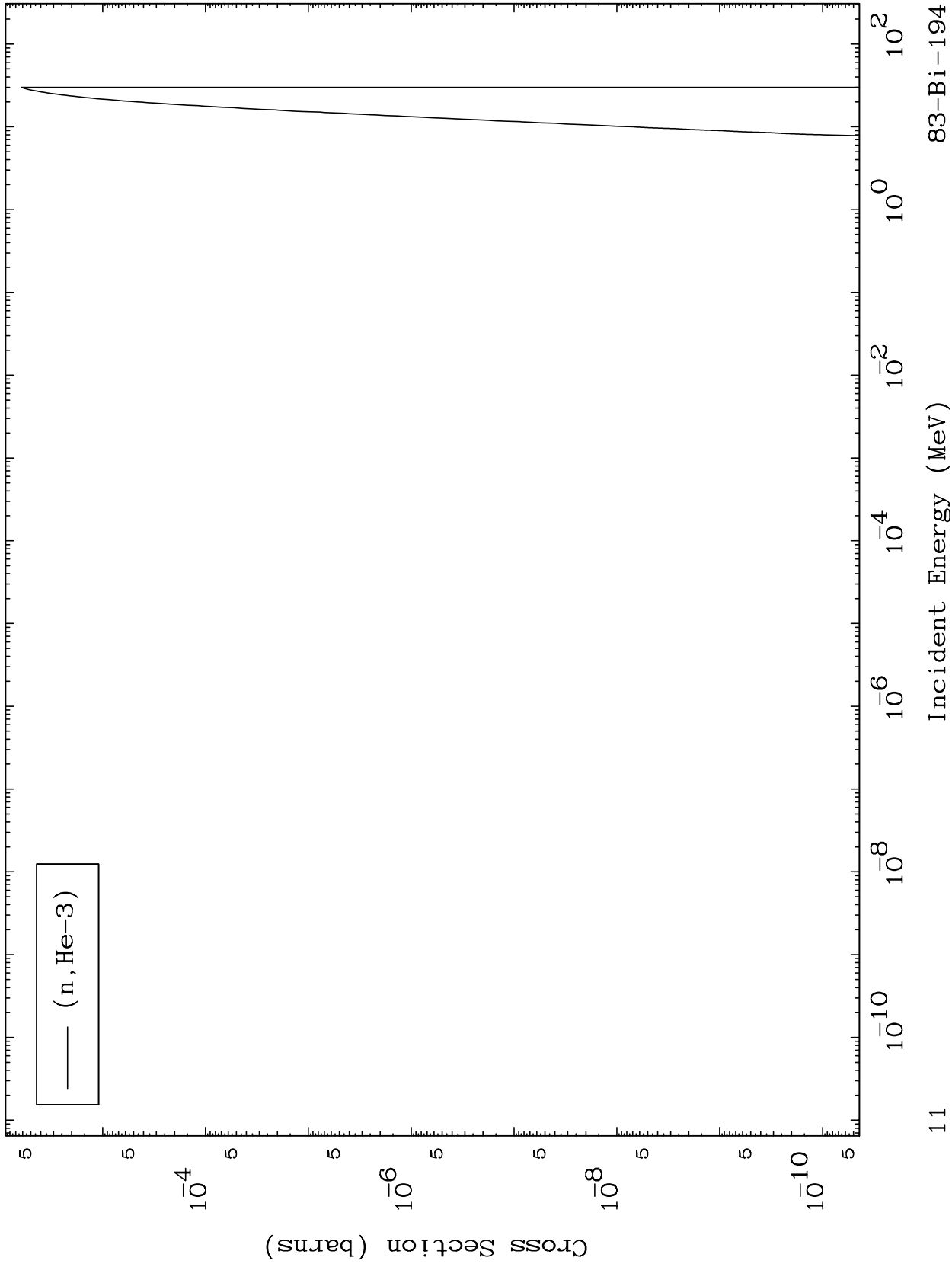
Incident Energy (MeV)

83-Bi-194

MAT 8282

(n,He3) Levels  
293 Kelvin Cross Sections

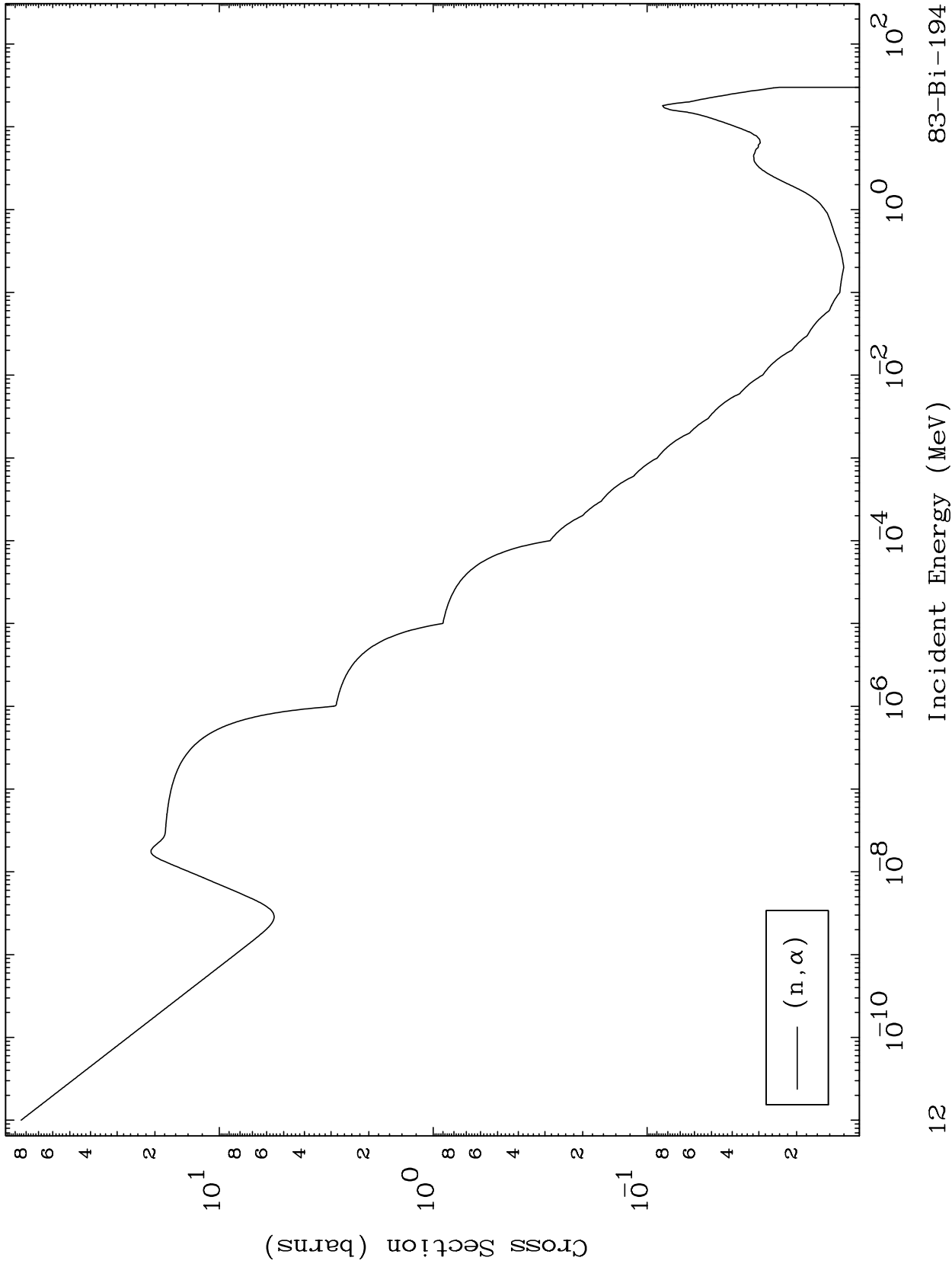
83-Bi-194



MAT 8282

(n,α) Levels  
293 Kelvin Cross Sections

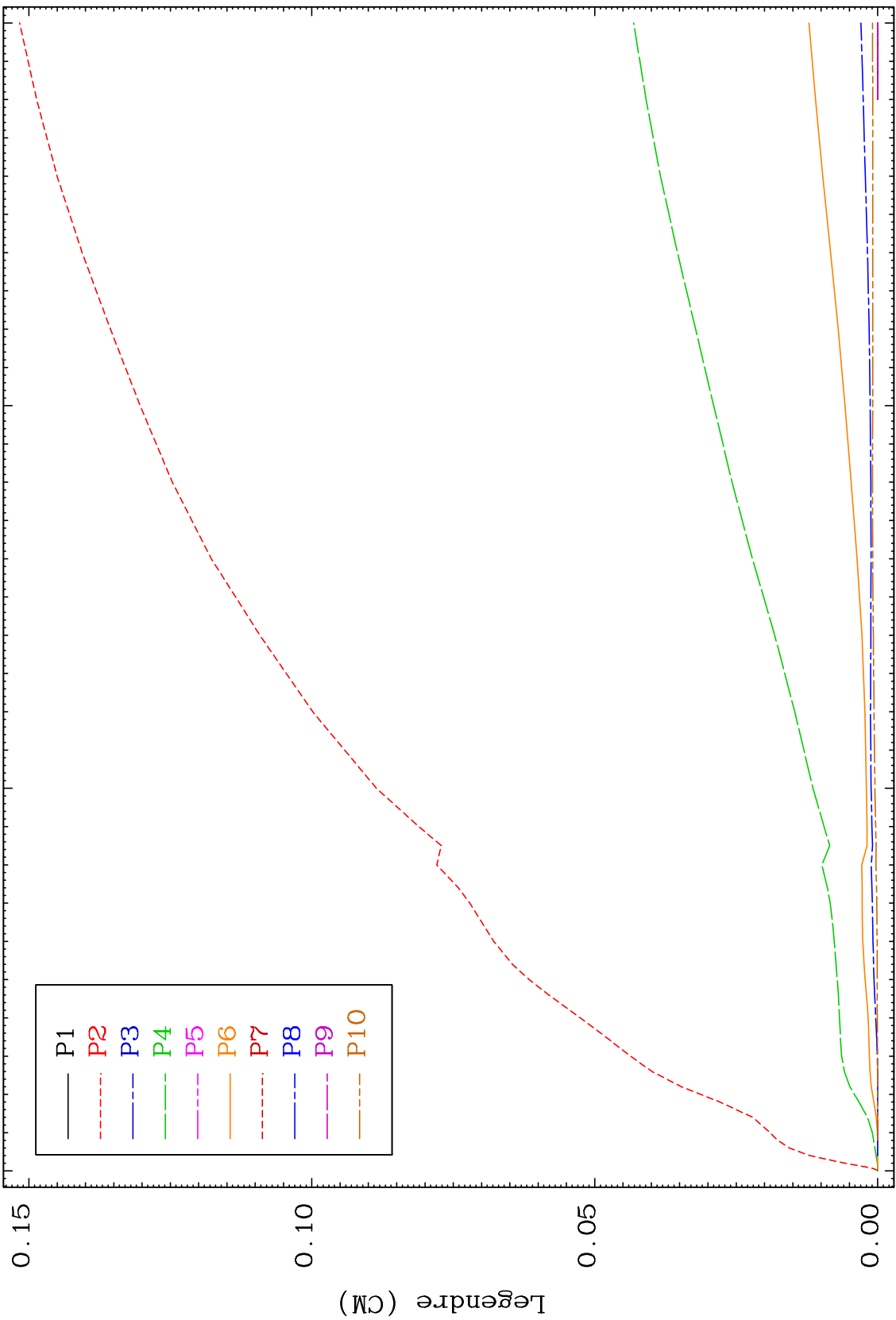
83-Bi-194



MAT 8282

Elastic Legendre Coefficients

83-Bi-194



13

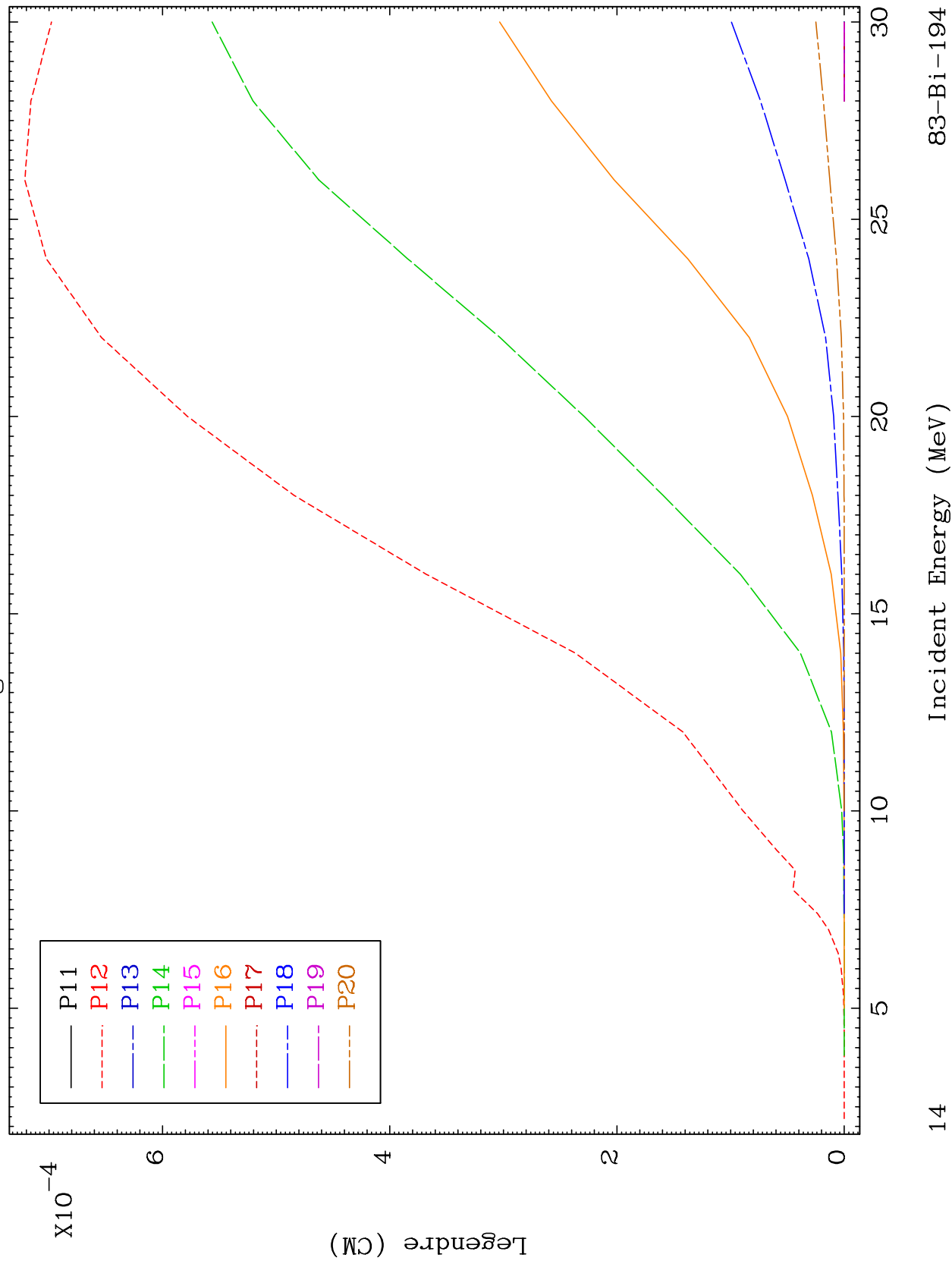
Incident Energy (MeV)

83-Bi-194

MAT 8282

Elastic Legendre Coefficients

83-Bi-194



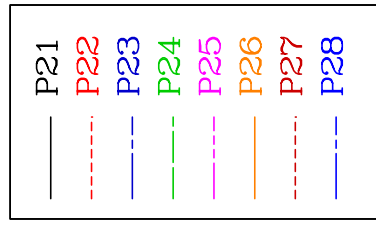
14

83-Bi-194

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Elastic  
Legendre Coefficients

83-Bi-194



$\times 10^{-6}$

Legendre (CM)

3

2

1

0

15

20

25

30

15

Incident Energy (MeV)

83-Bi-194

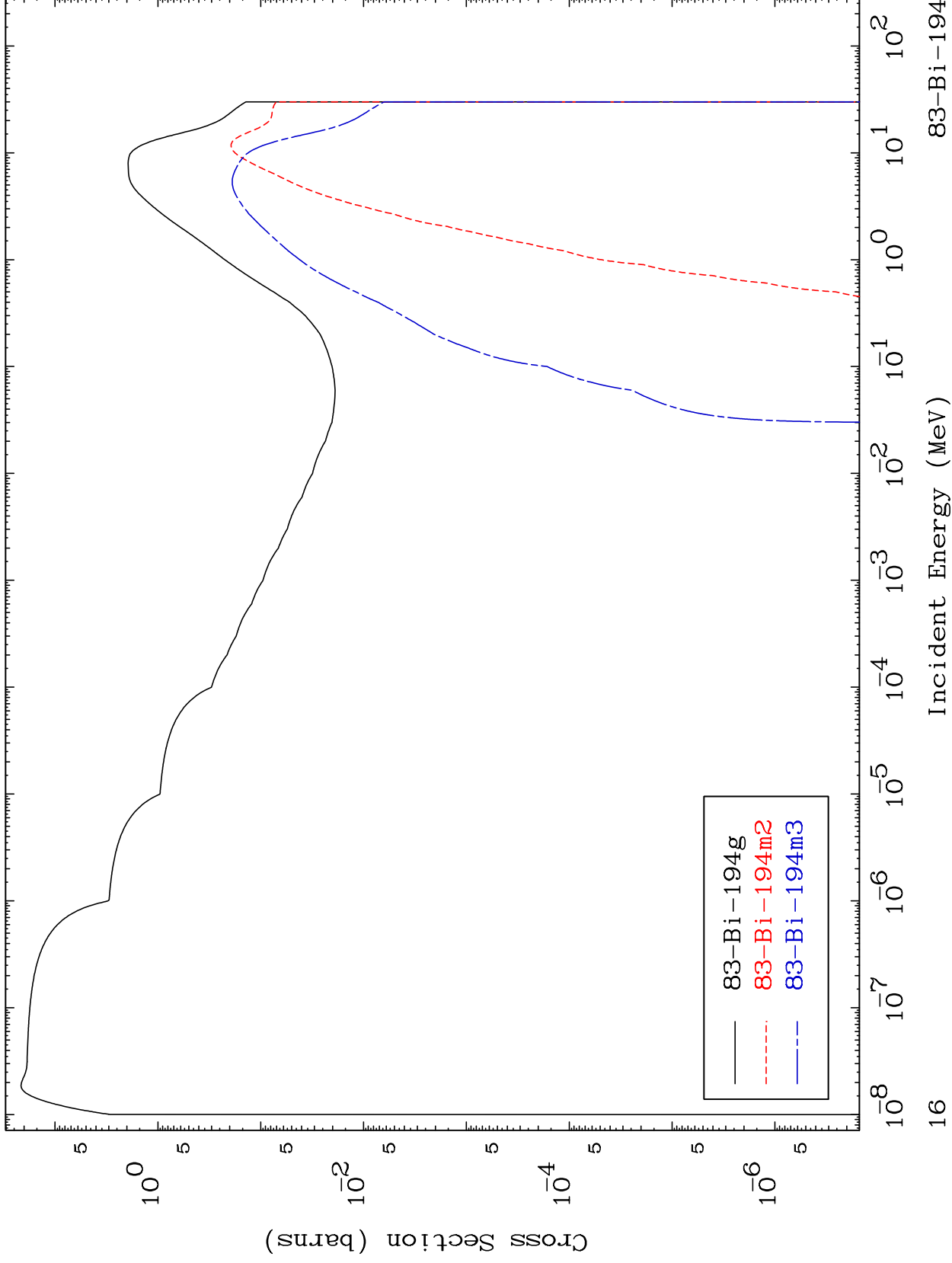




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Inelastic  
Radionuclide Production Cross Section

83-Bi-194

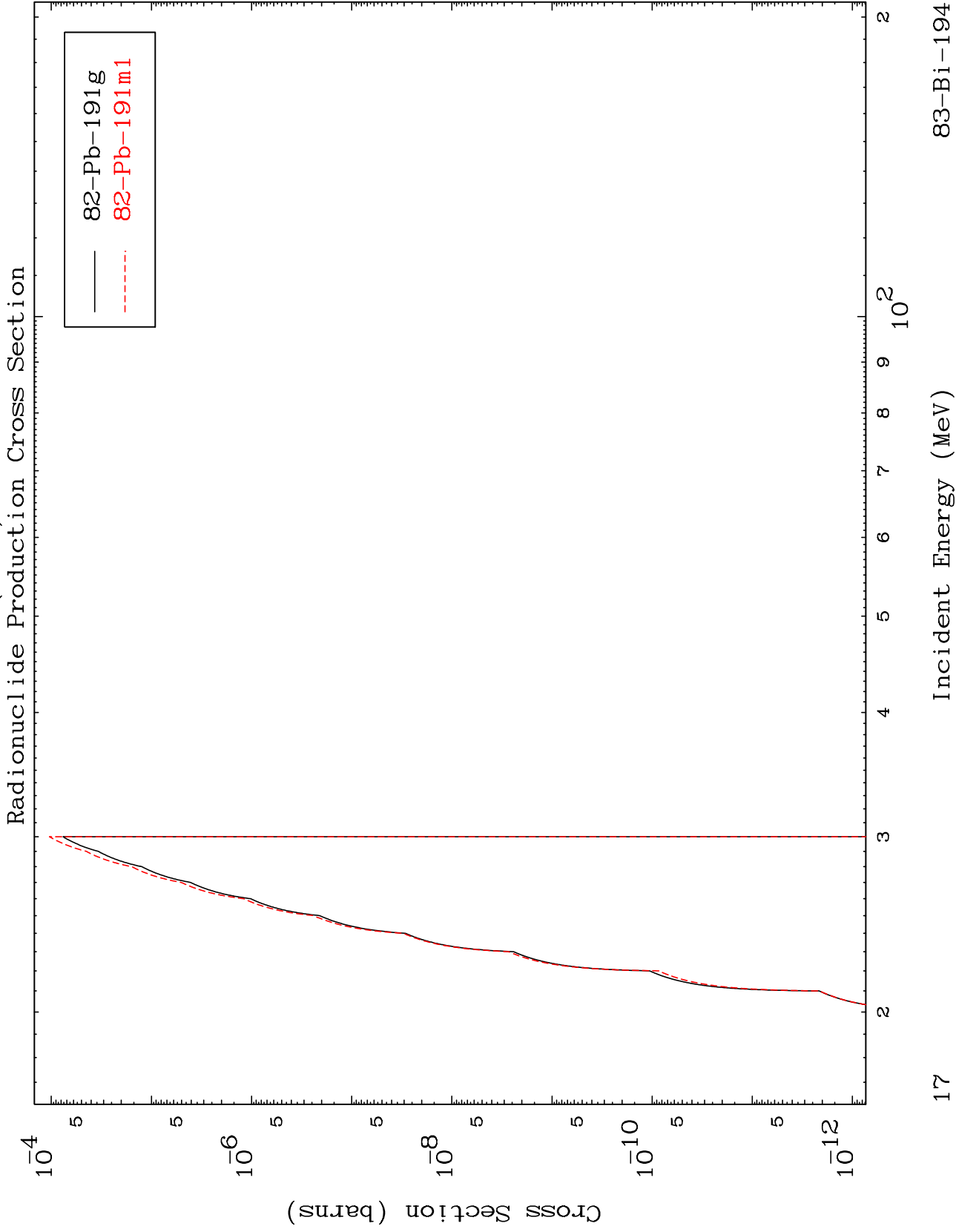


16

MAT 8282

(n,2n) d

83-Bi-194



17

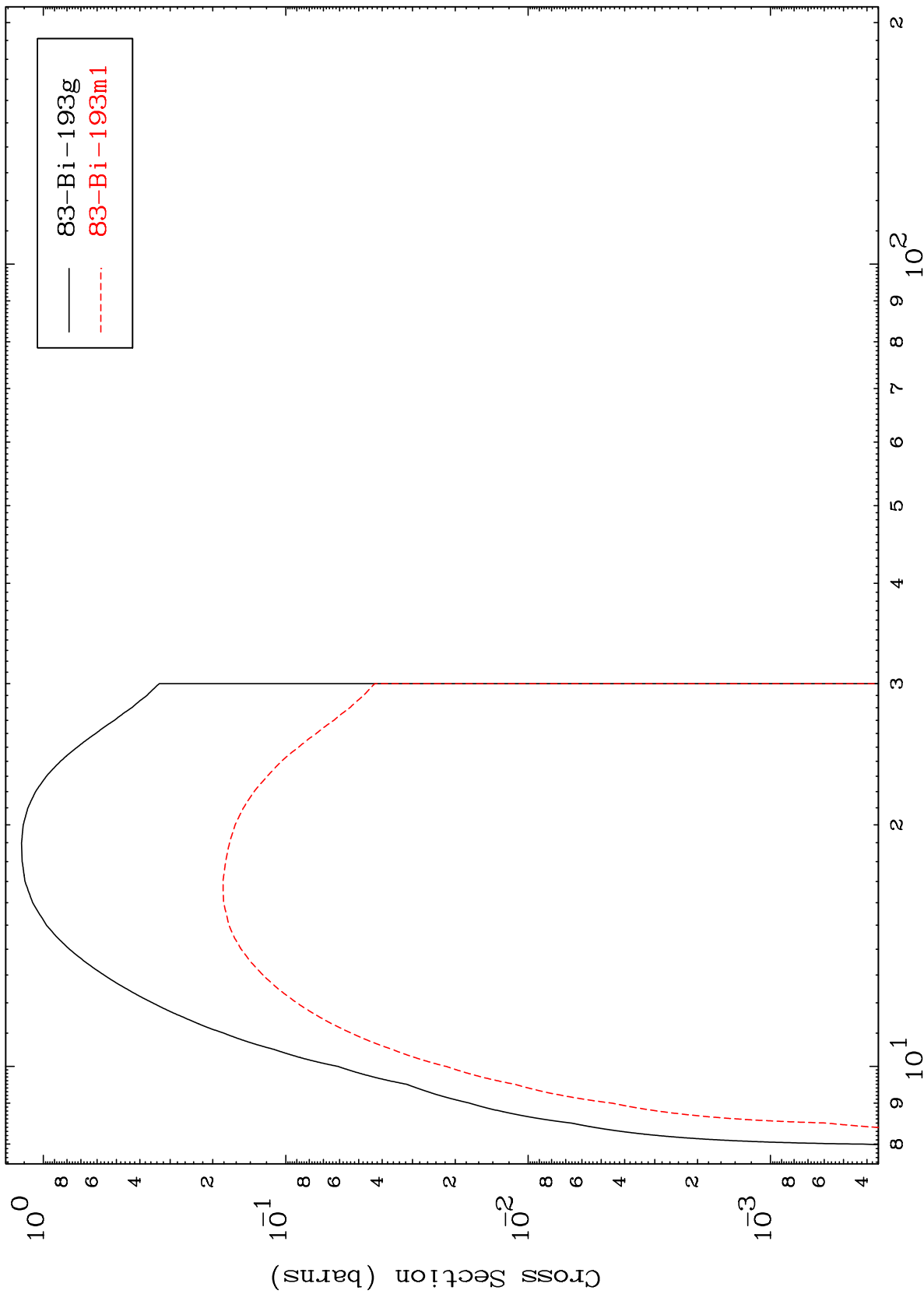
Incident Energy (MeV)

83-Bi-194

MAT 8282

83-Bi-194

(n,2n)  
Radionuclide Production Cross Section



83-Bi-194

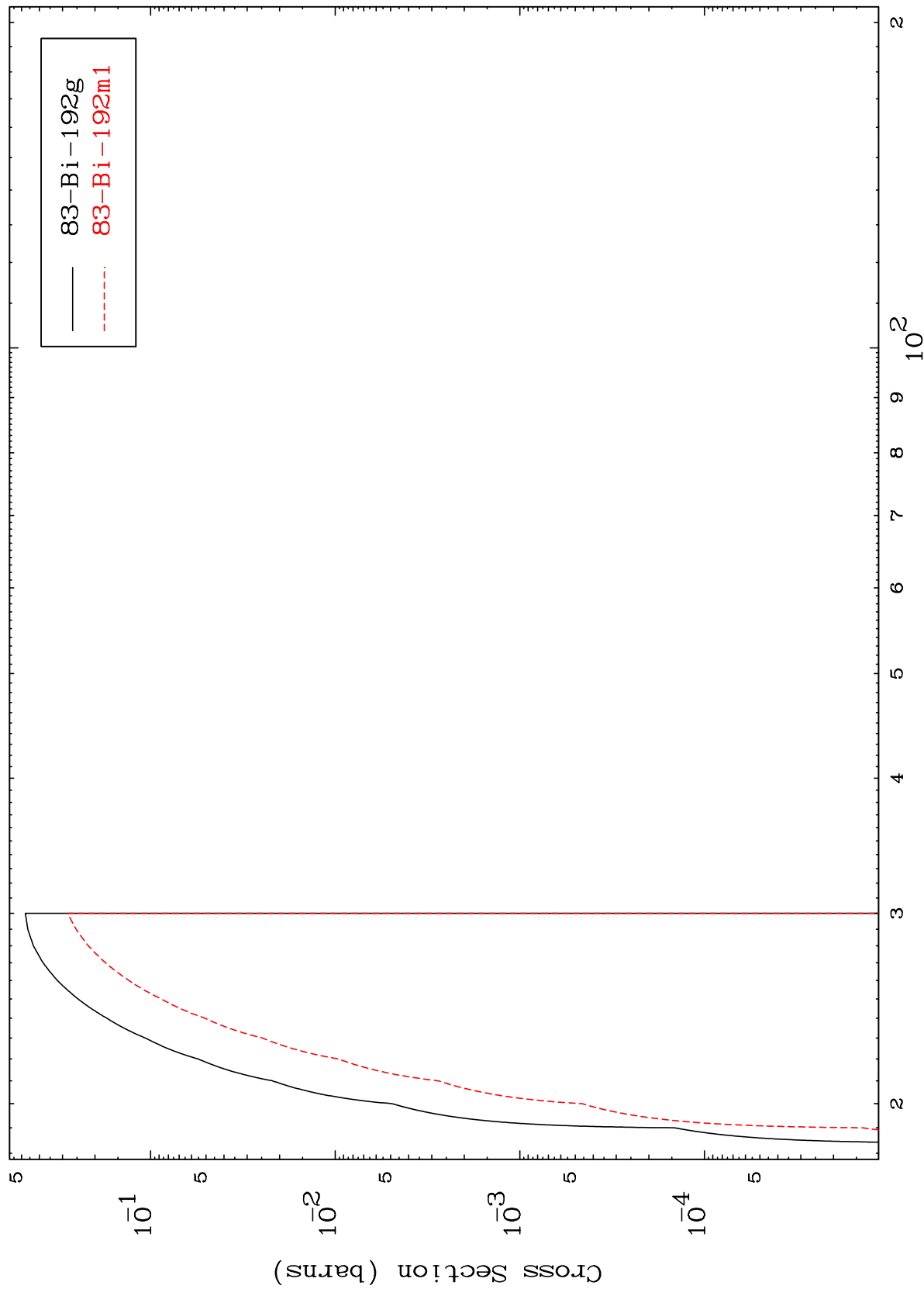
Incident Energy (MeV)

18

MAT 8282

83-Bi-194

(n,3n)  
Radionuclide Production Cross Section



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

19

Incident Energy (MeV)

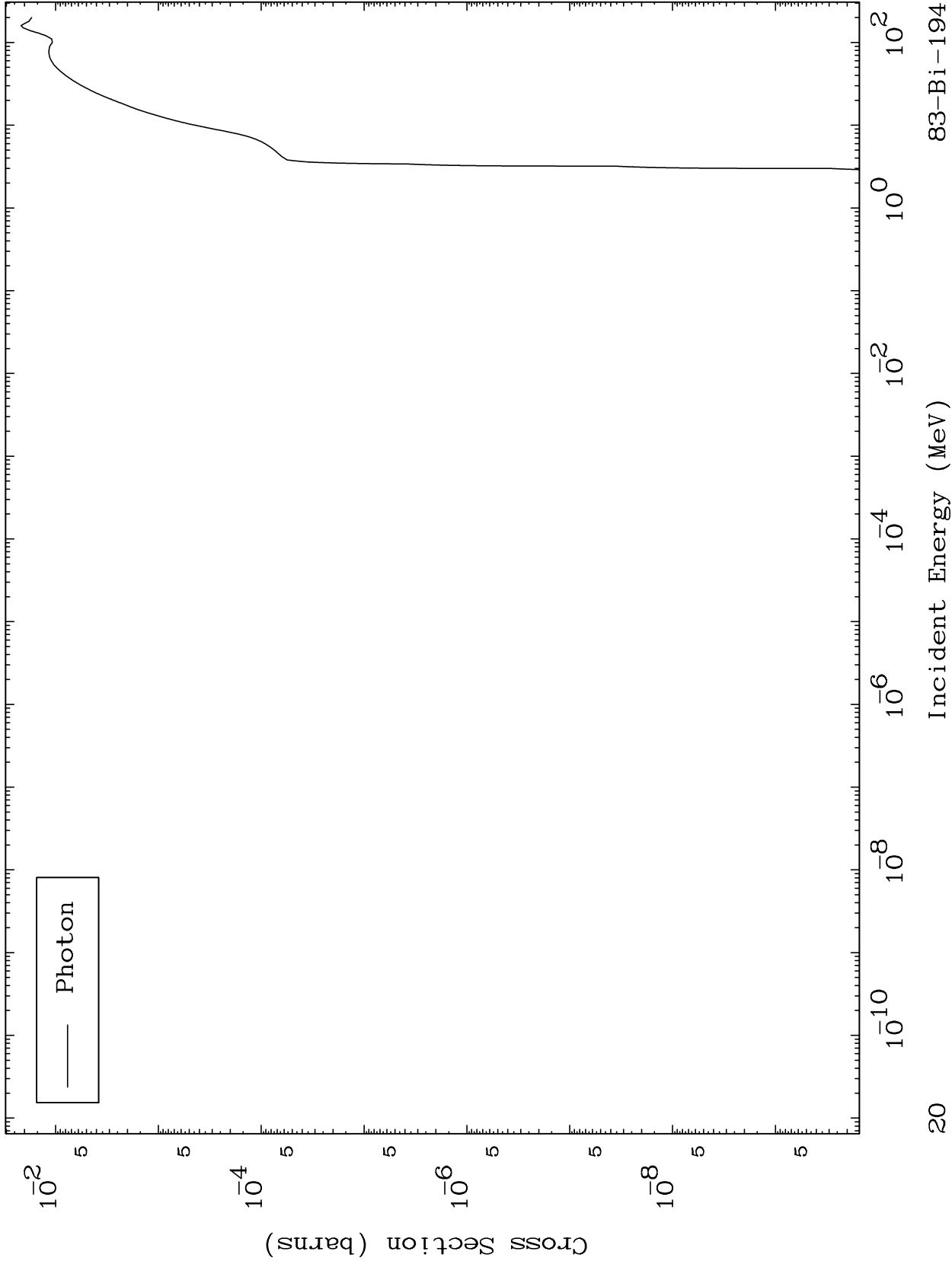
83-Bi-194

MAT 8282

Fission

83-Bi-194

Radionuclide Production Cross Section

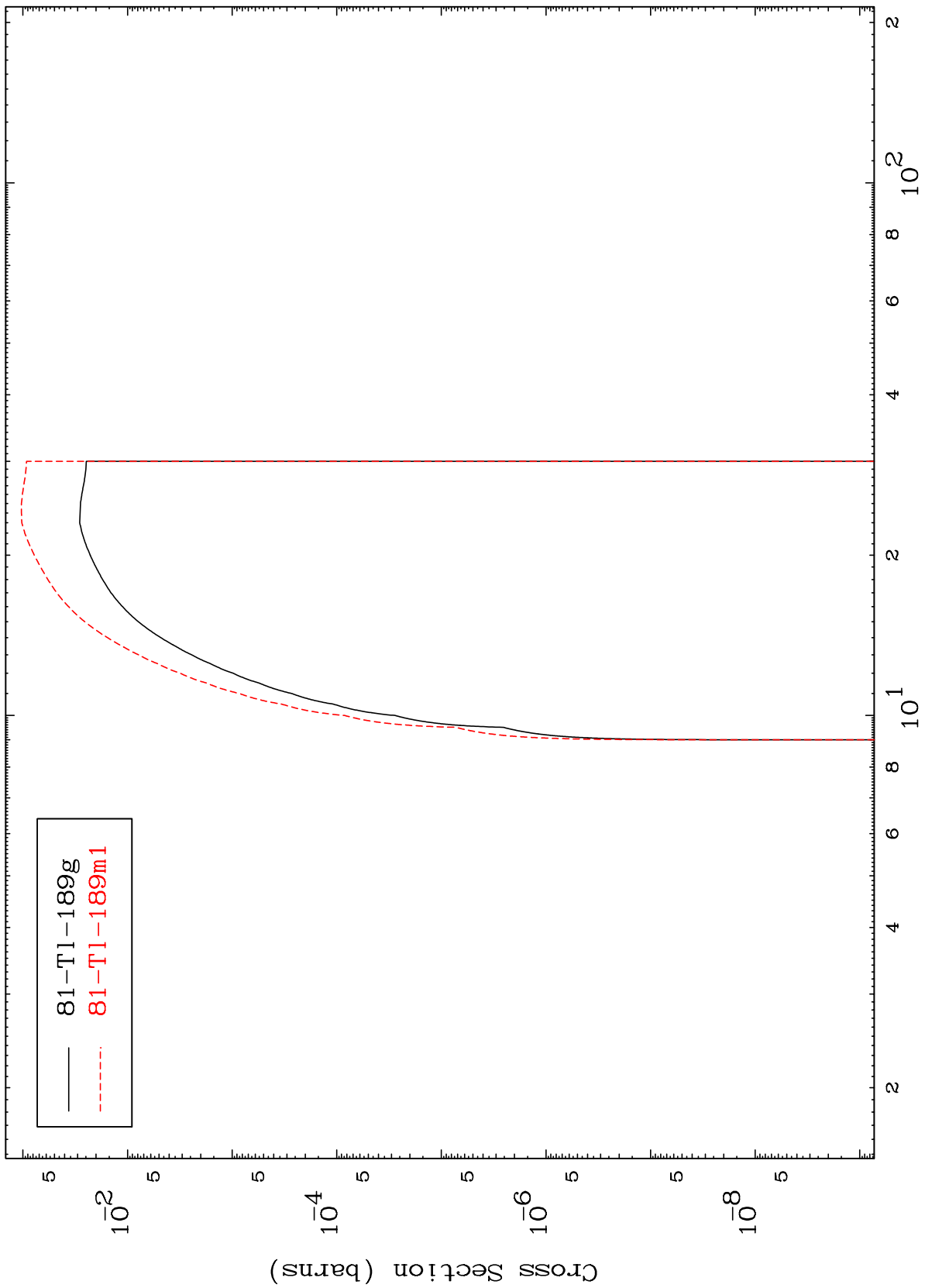


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$(n,2n) \alpha$

83-Bi-194

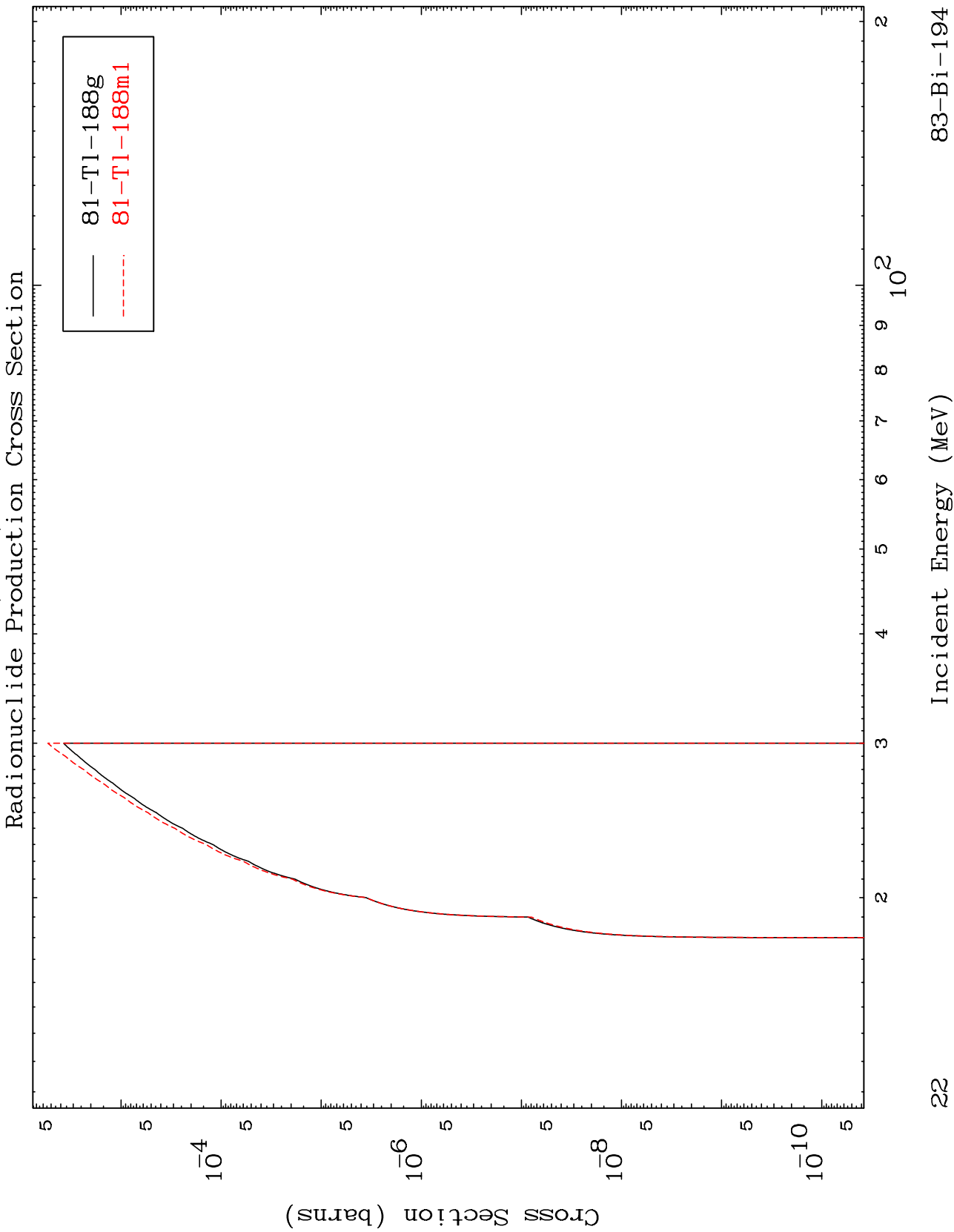
Radionuclide Production Cross Section



21

Incident Energy (MeV)

83-Bi-194

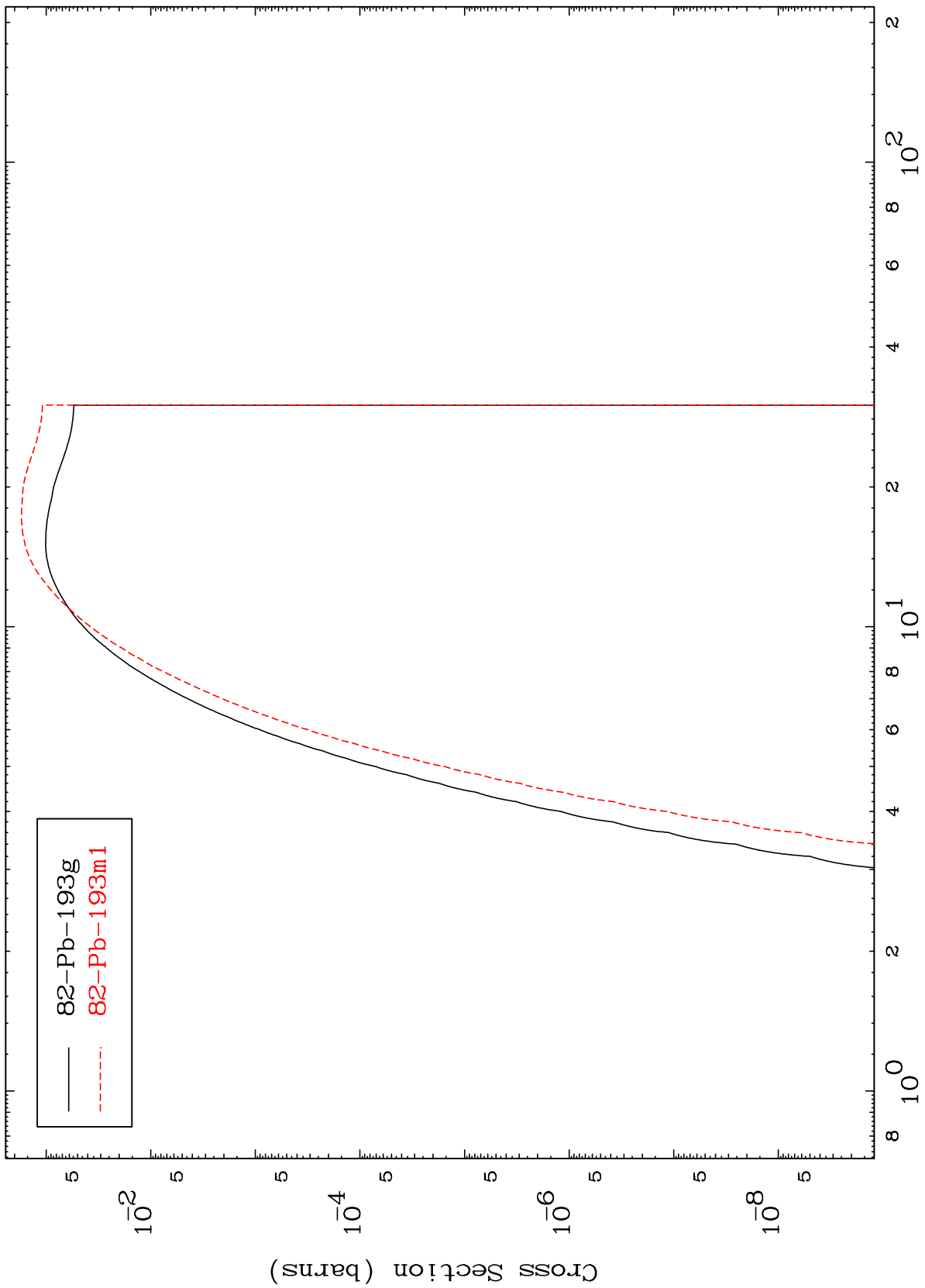


MAT 8282

(n,n') p

83-Bi-194

Radionuclide Production Cross Section



23

Incident Energy (MeV)

83-Bi-194

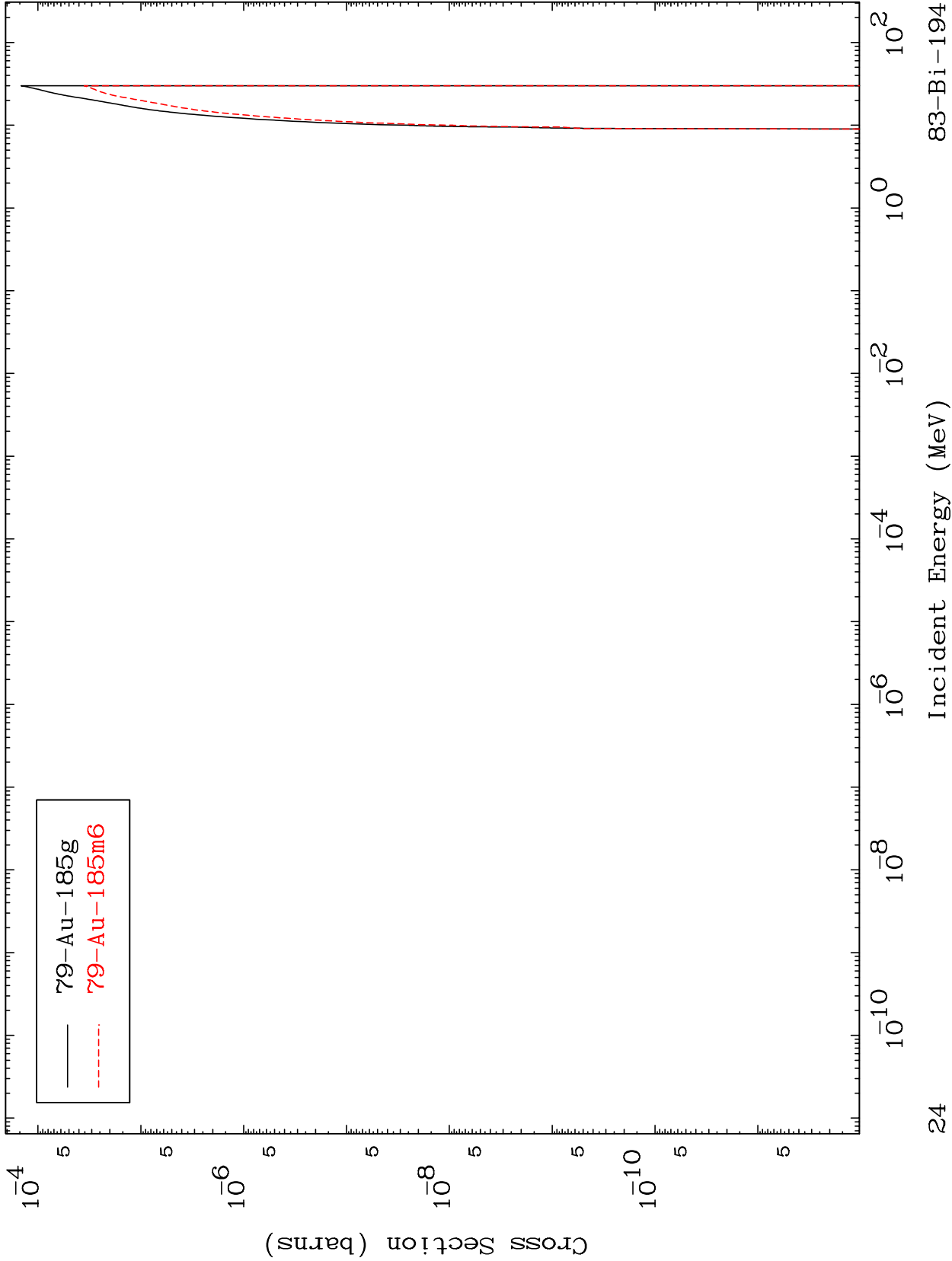


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(n,2n) 2 $\alpha$

83-Bi-194

Radionuclide Production Cross Section

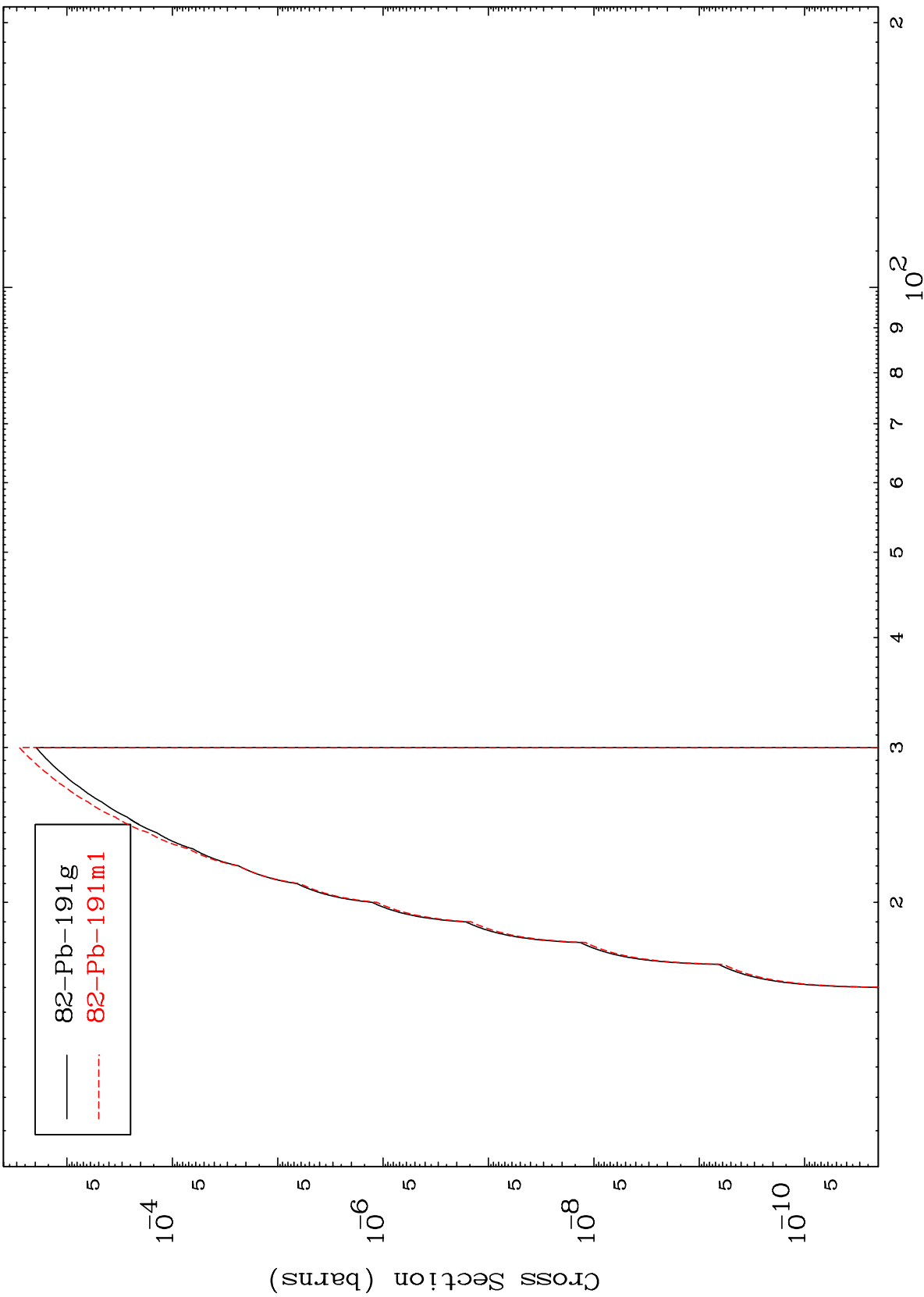


MAT 8282

(n,n') t

83-Bi-194

Radionuclide Production Cross Section



25

Incident Energy (MeV)

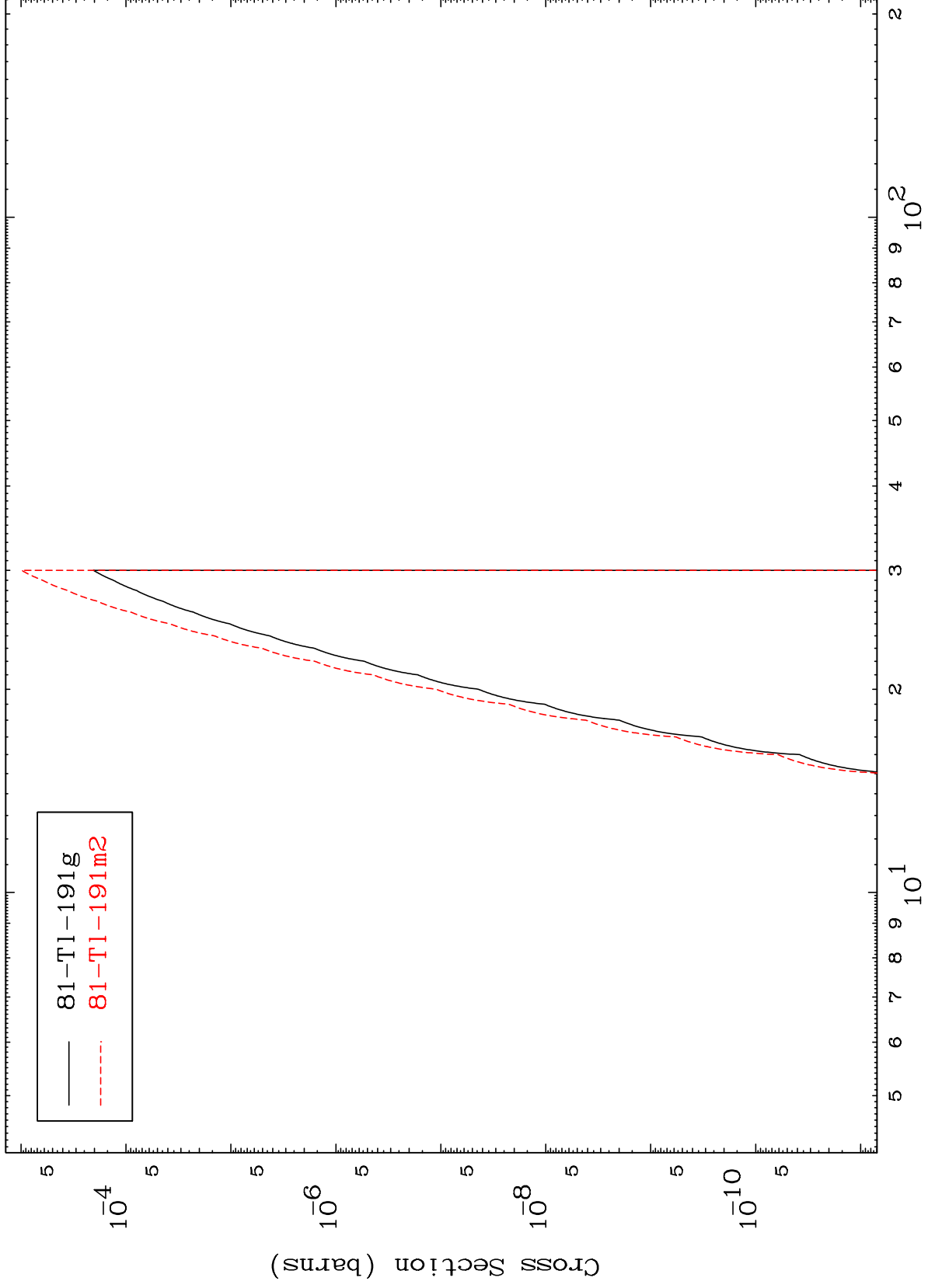
83-Bi-194

MAT 8282

(n,n') He-3

83-Bi-194

Radionuclide Production Cross Section



— 81-Tl-191g  
- - - 81-Tl-191m2

26

Incident Energy (MeV)

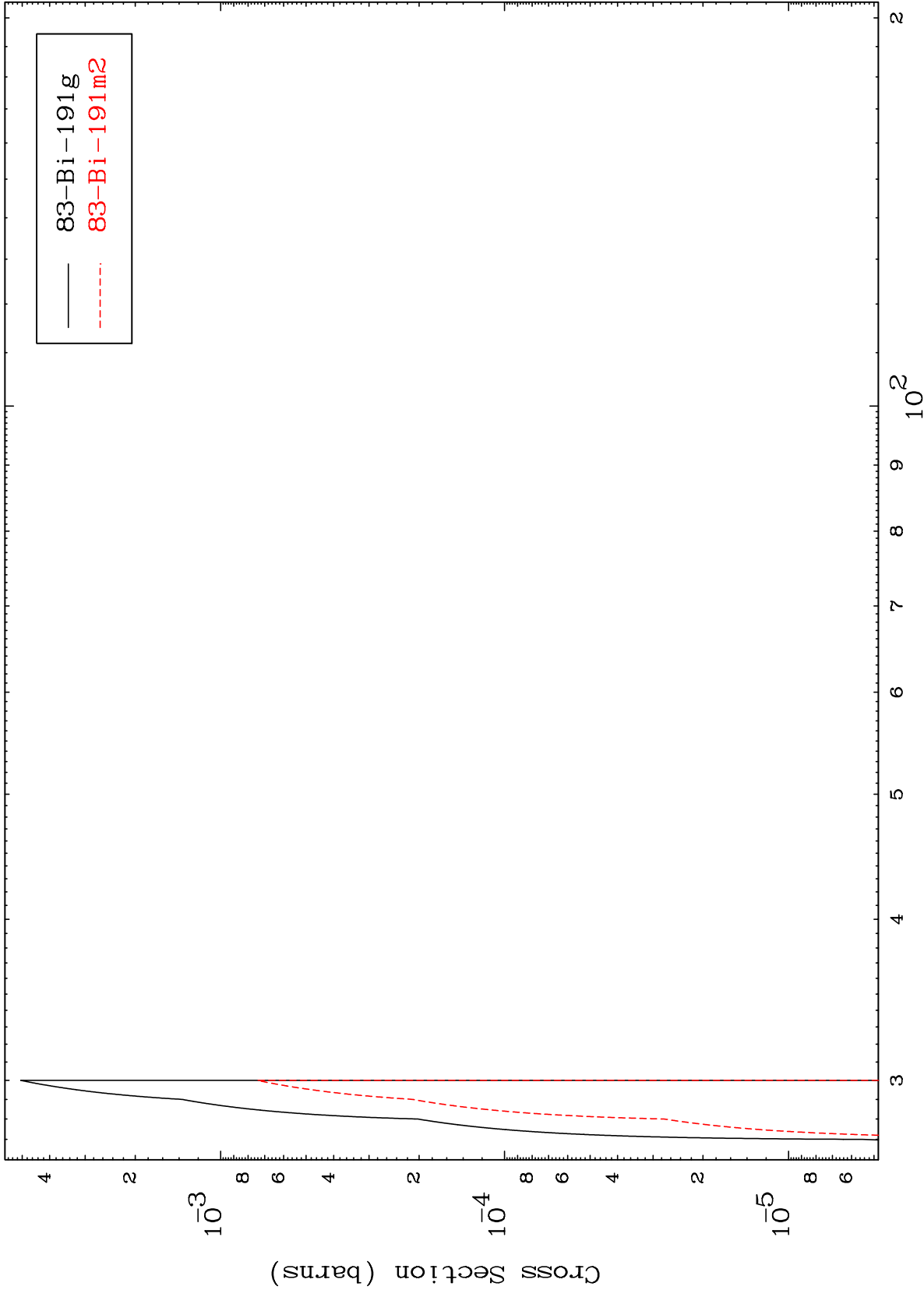
83-Bi-194

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(n,4n)

83-Bi-194

Radionuclide Production Cross Section



27

Incident Energy (MeV)

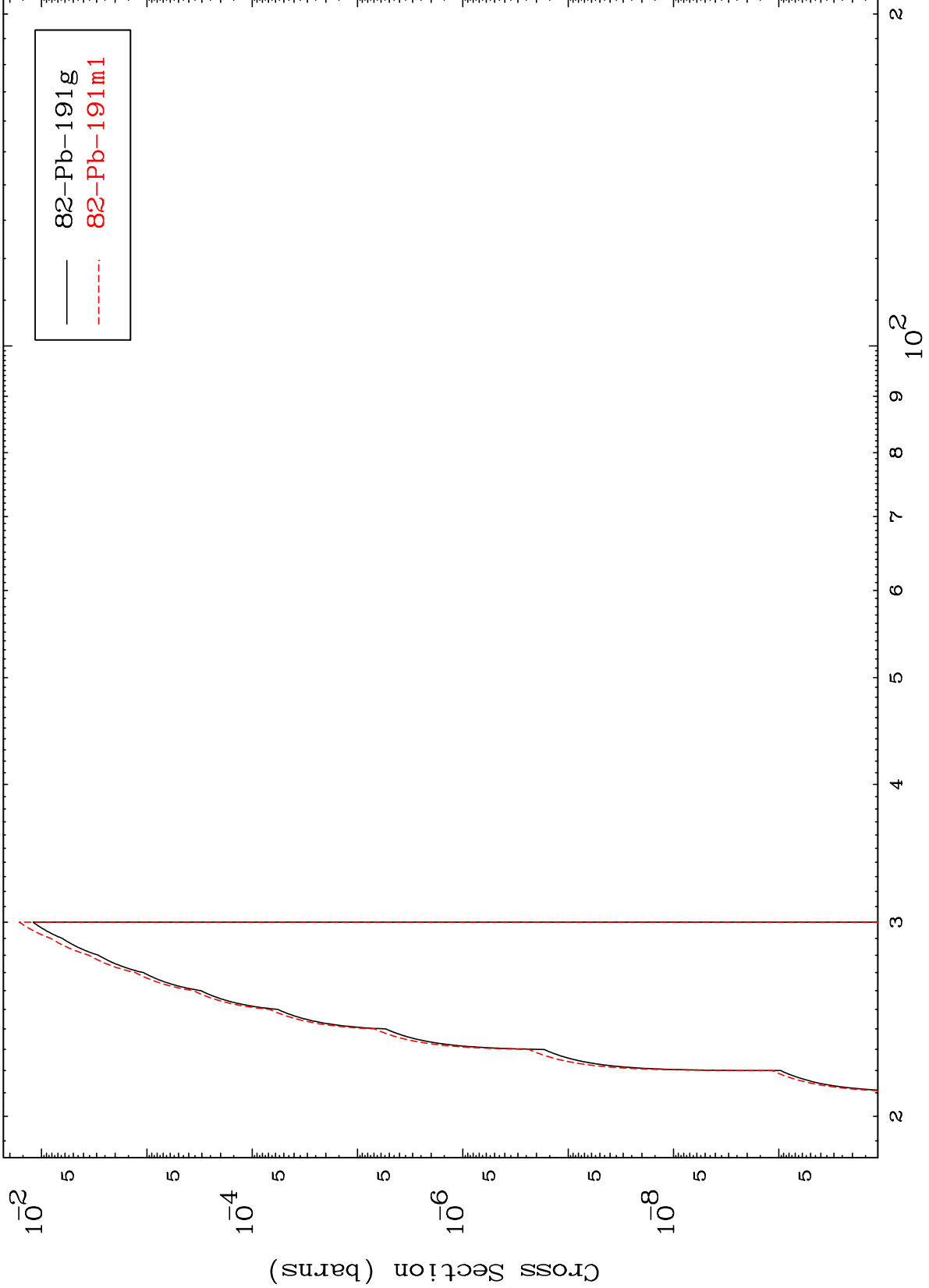
83-Bi-194

MAT 8282

(n,3n) p

83-Bi-194

Radionuclide Production Cross Section



28

Incident Energy (MeV)

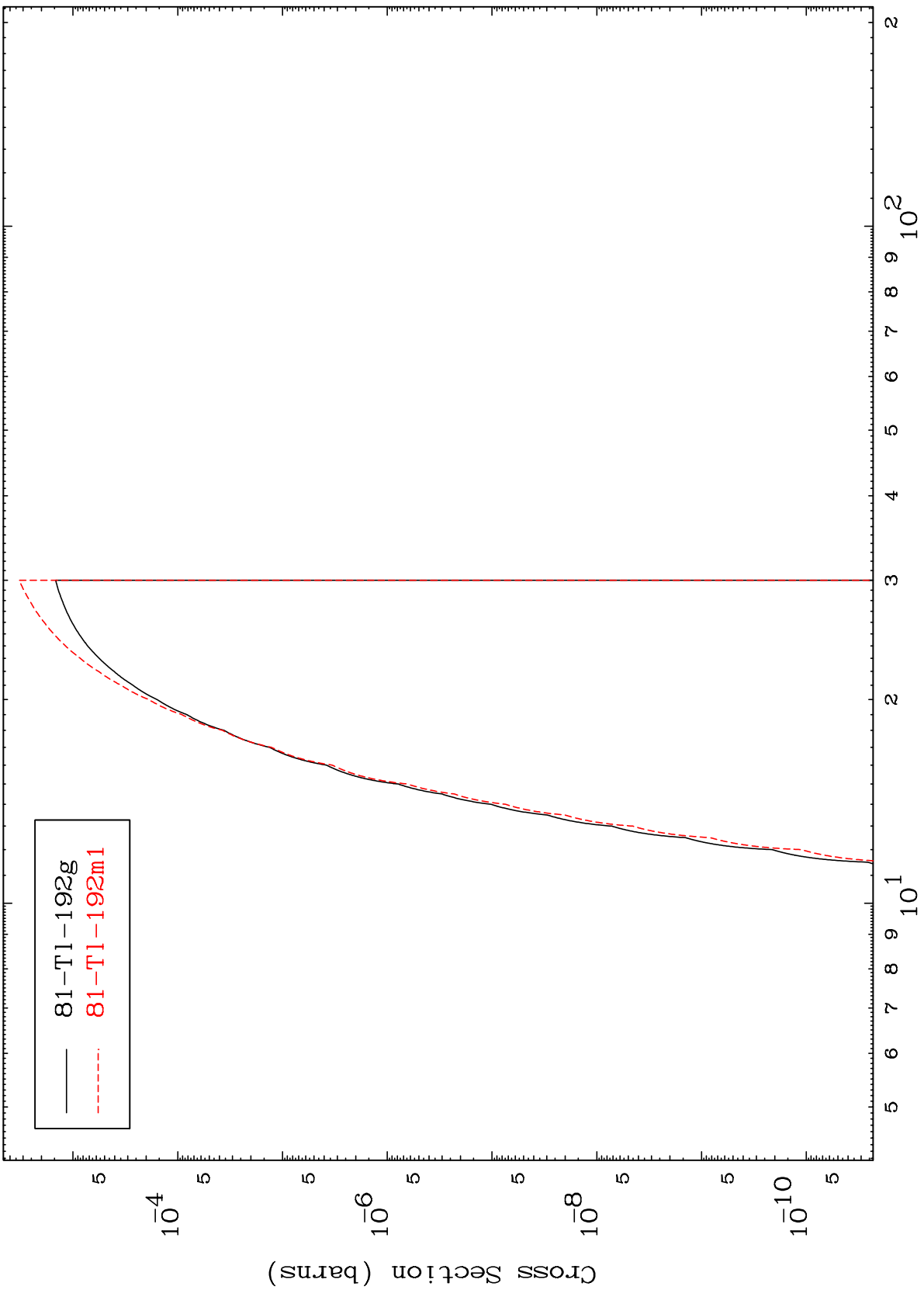
83-Bi-194

MAT 8282

(n,2n) p

83-Bi-194

Radionuclide Production Cross Section



29

Incident Energy (MeV)

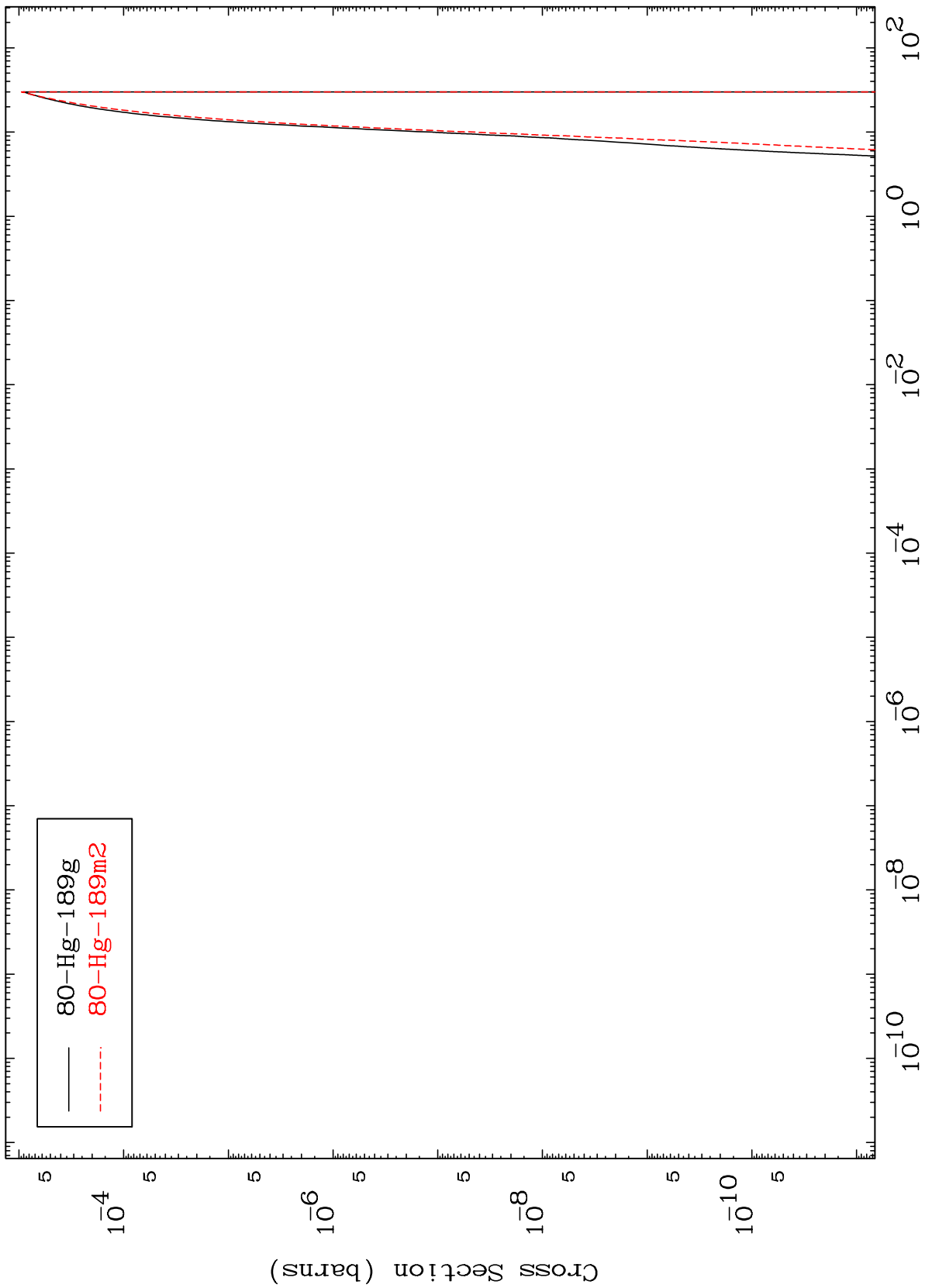
83-Bi-194

MAT 8282

(n,n') p  $\alpha$

83-Bi-194

Radionuclide Production Cross Section



30

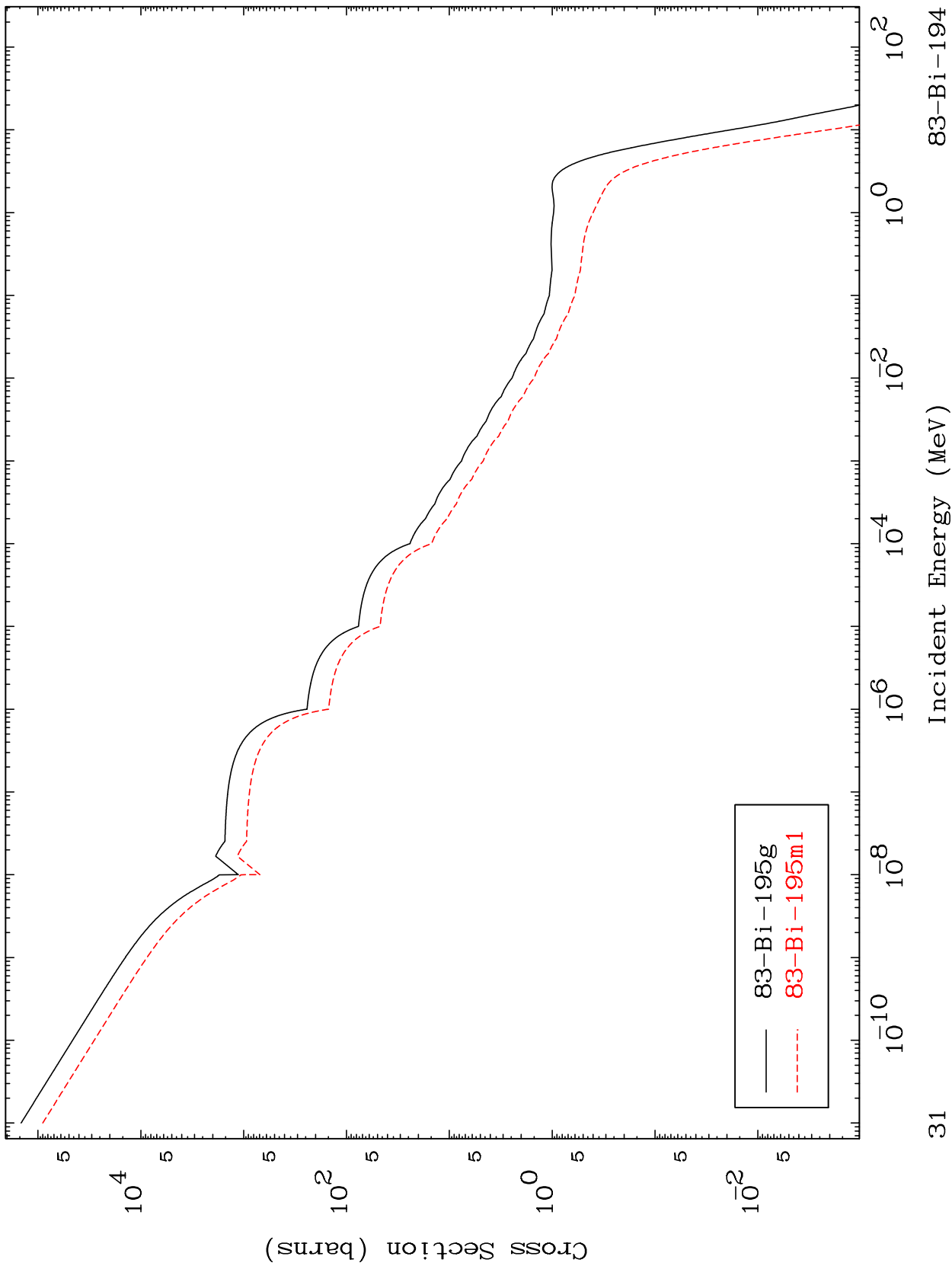
Incident Energy (MeV)

83-Bi-194

MAT 8282

<sup>83</sup>Bi-194

(n,γ)  
Radionuclide Production Cross Section



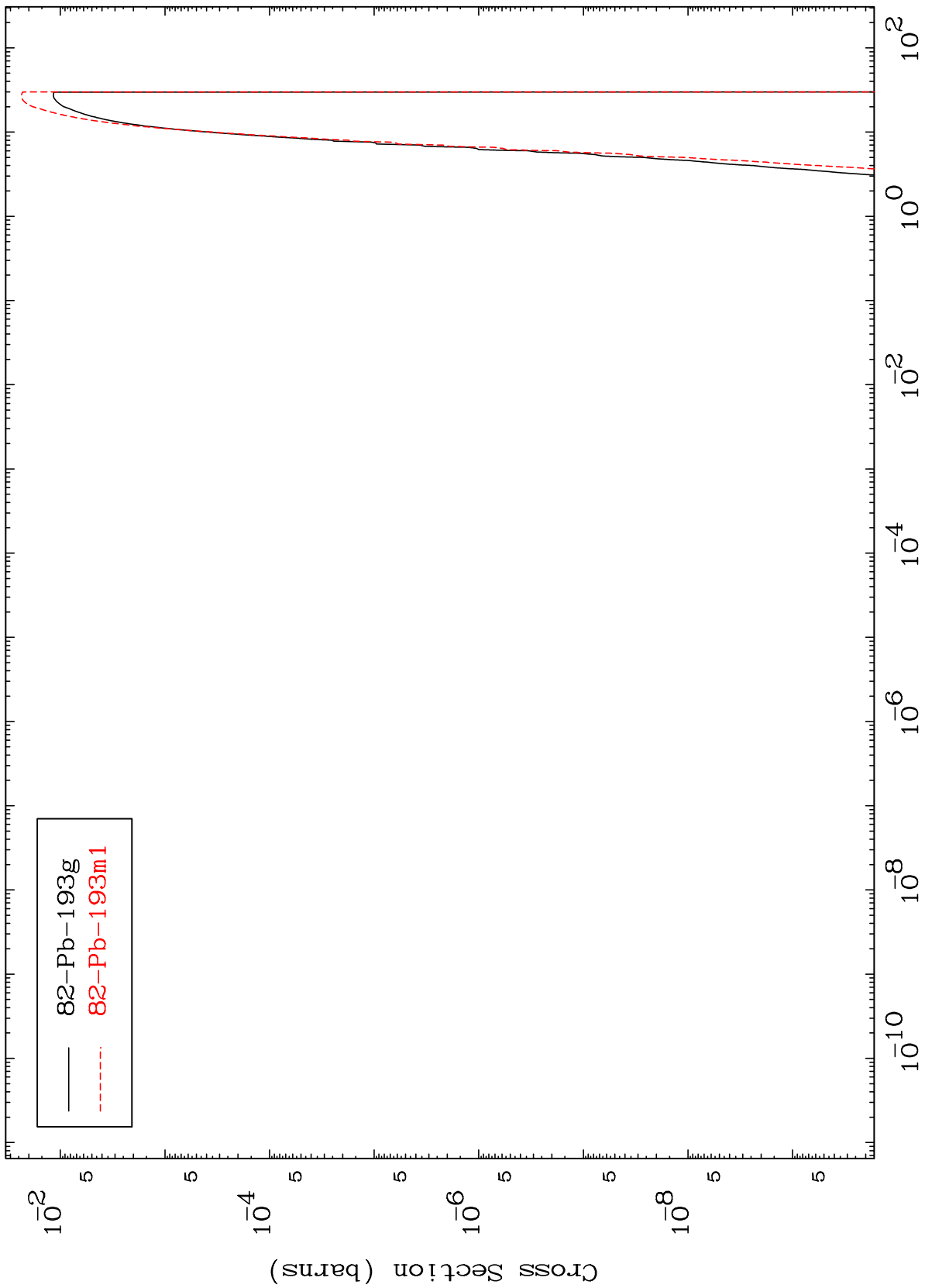


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(n,d)

83-Bi-194

Radionuclide Production Cross Section

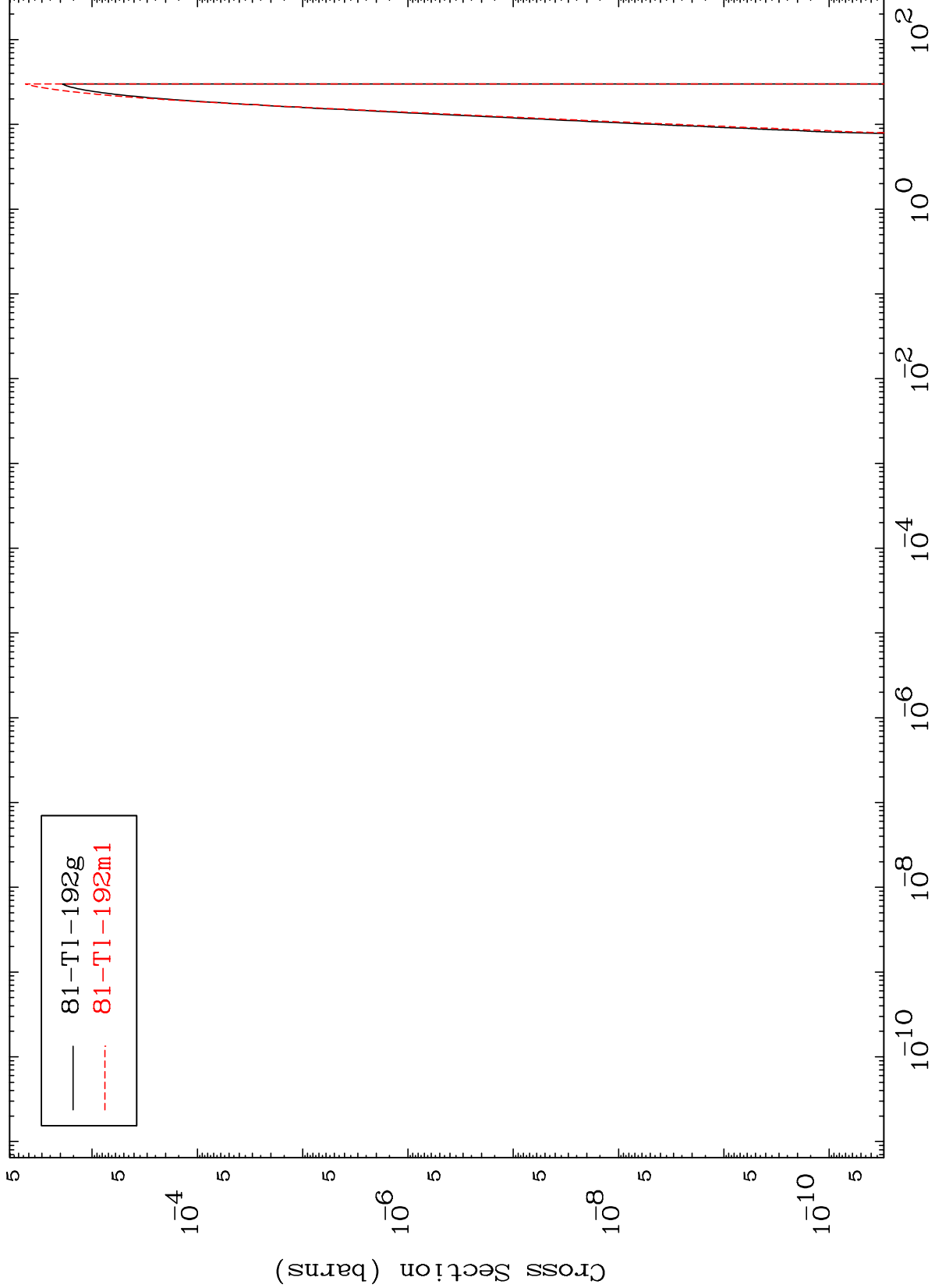


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(n,He-3)

83-Bi-194

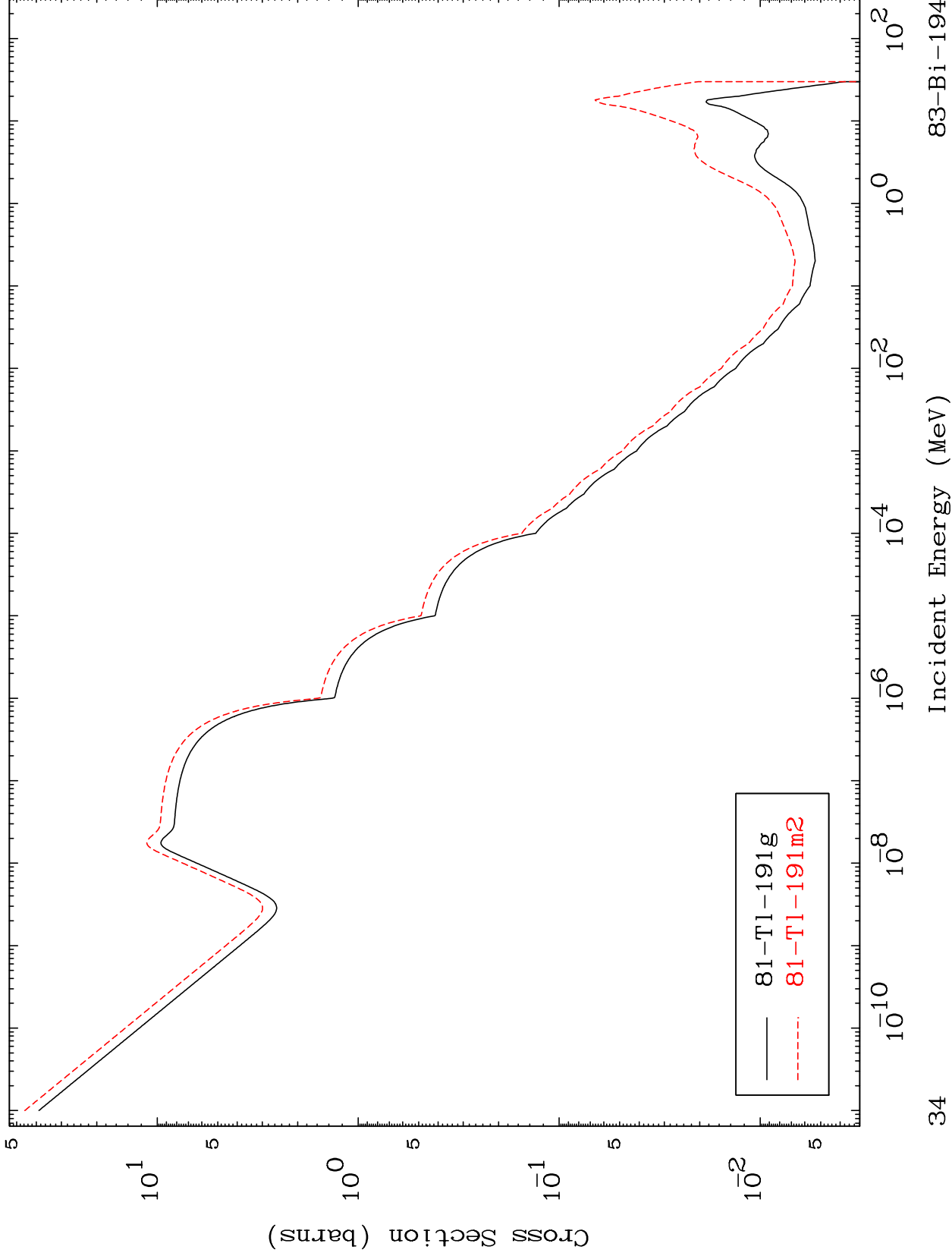
Radionuclide Production Cross Section



MAT 8282

83-Bi-194

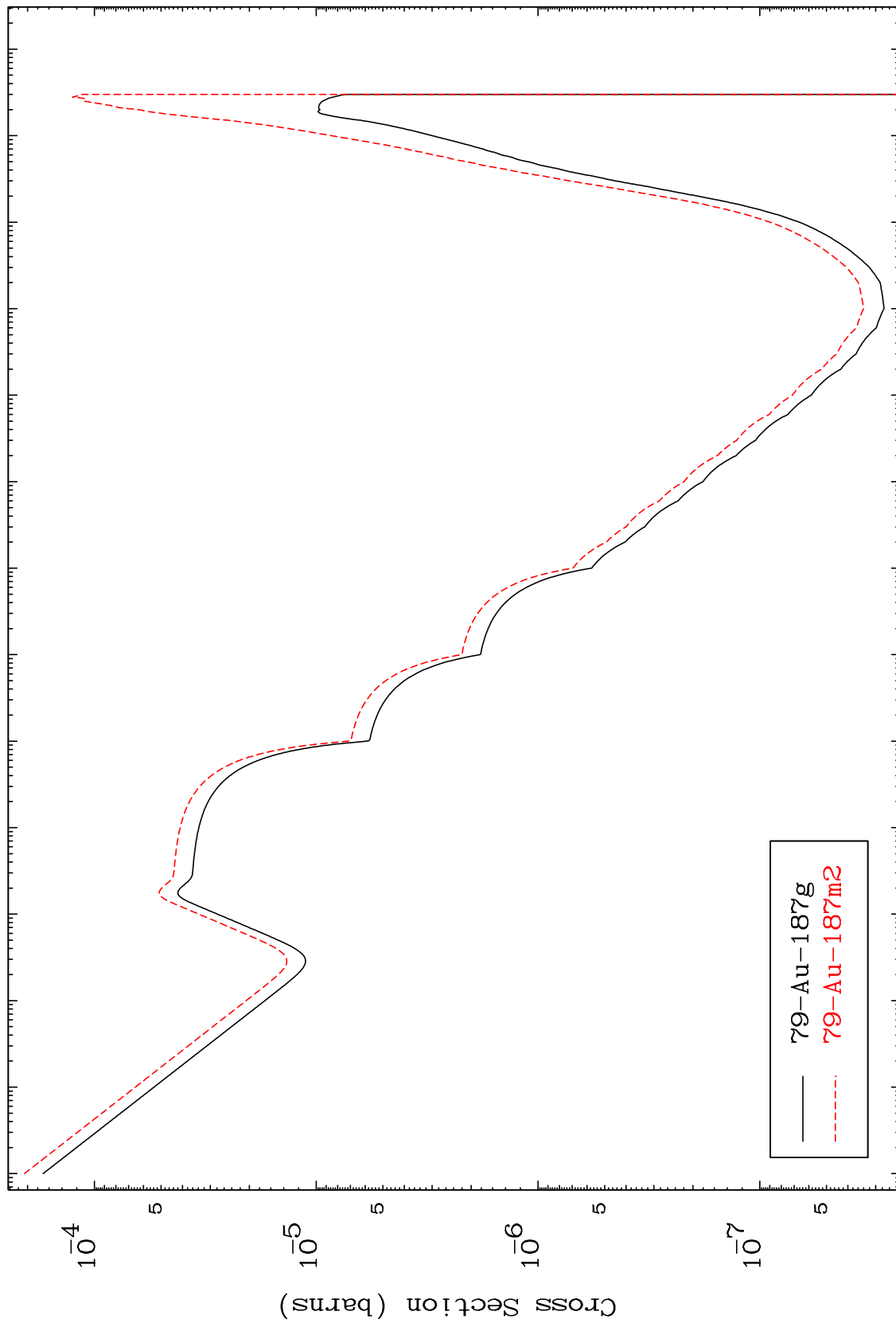
(n,α)  
Radionuclide Production Cross Section



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83-Bi-194

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



35

83-Bi-194

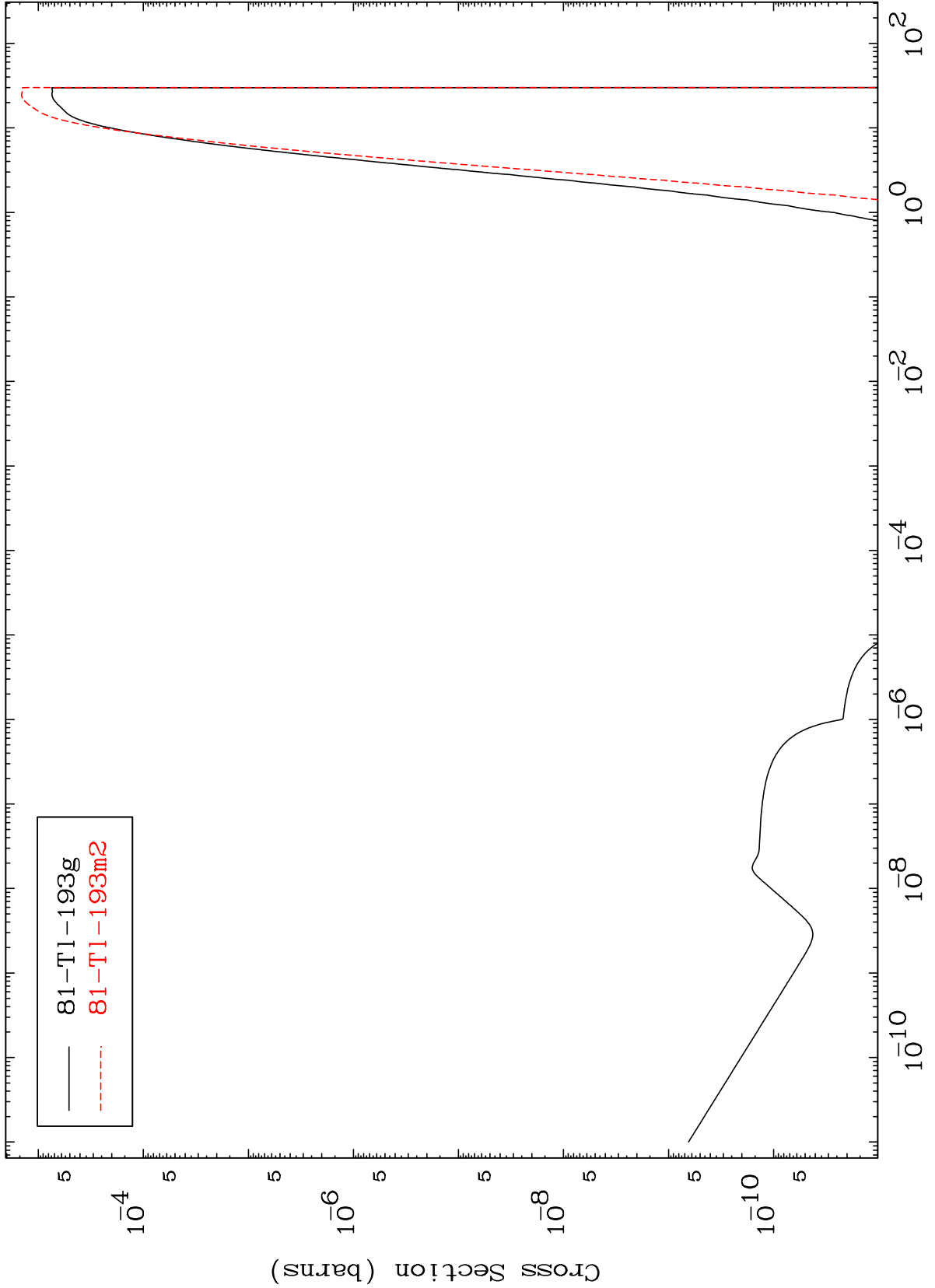
Incident Energy (MeV)

MAT 8282

(n,2p)

83-Bi-194

Radionuclide Production Cross Section



36

Incident Energy (MeV)

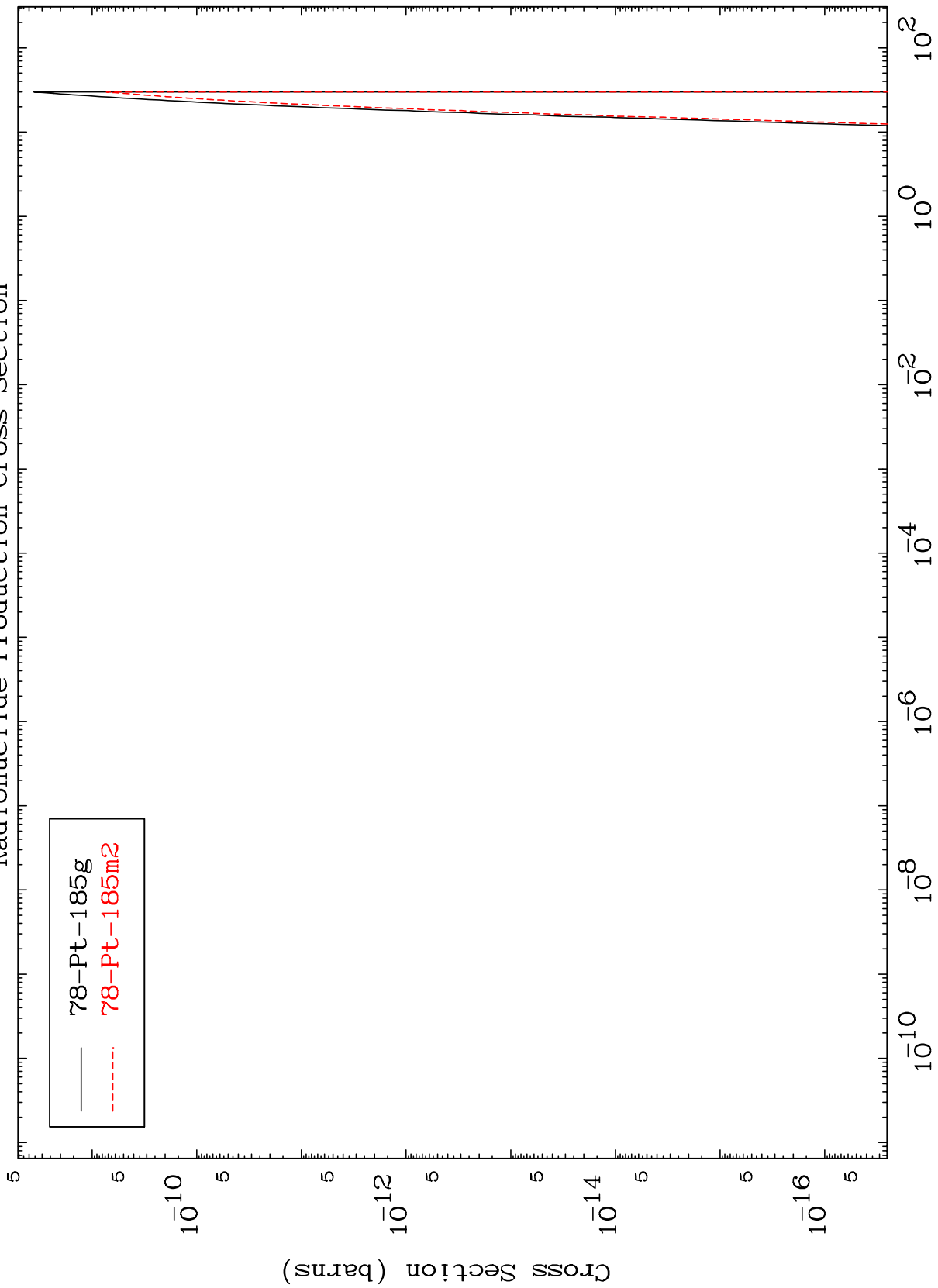
83-Bi-194

MAT 8282

(n,d) 2 $\alpha$

83-Bi-194

Radionuclide Production Cross Section

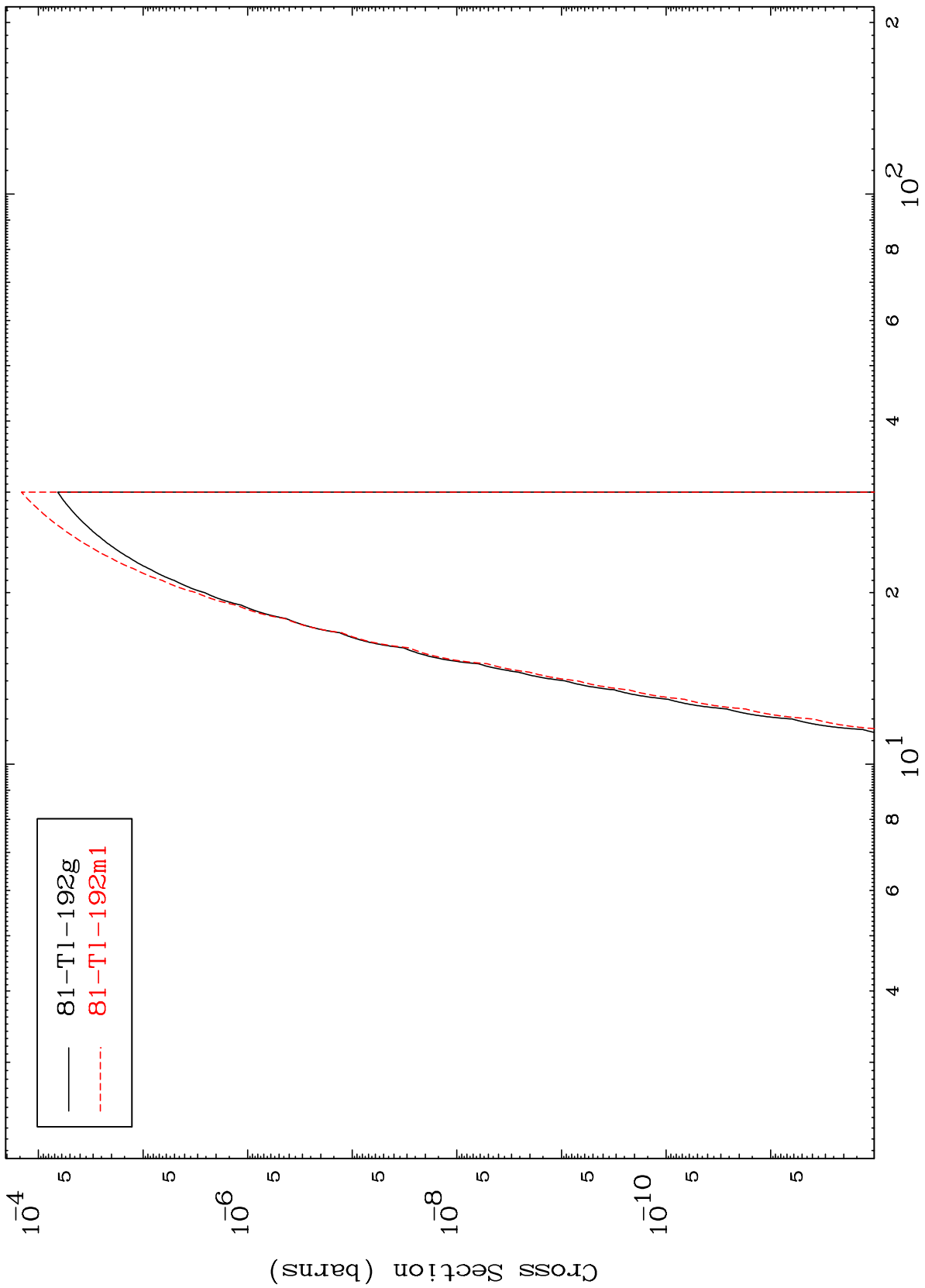


MAT 8282

(n,p) d

83-Bi-194

Radionuclide Production Cross Section



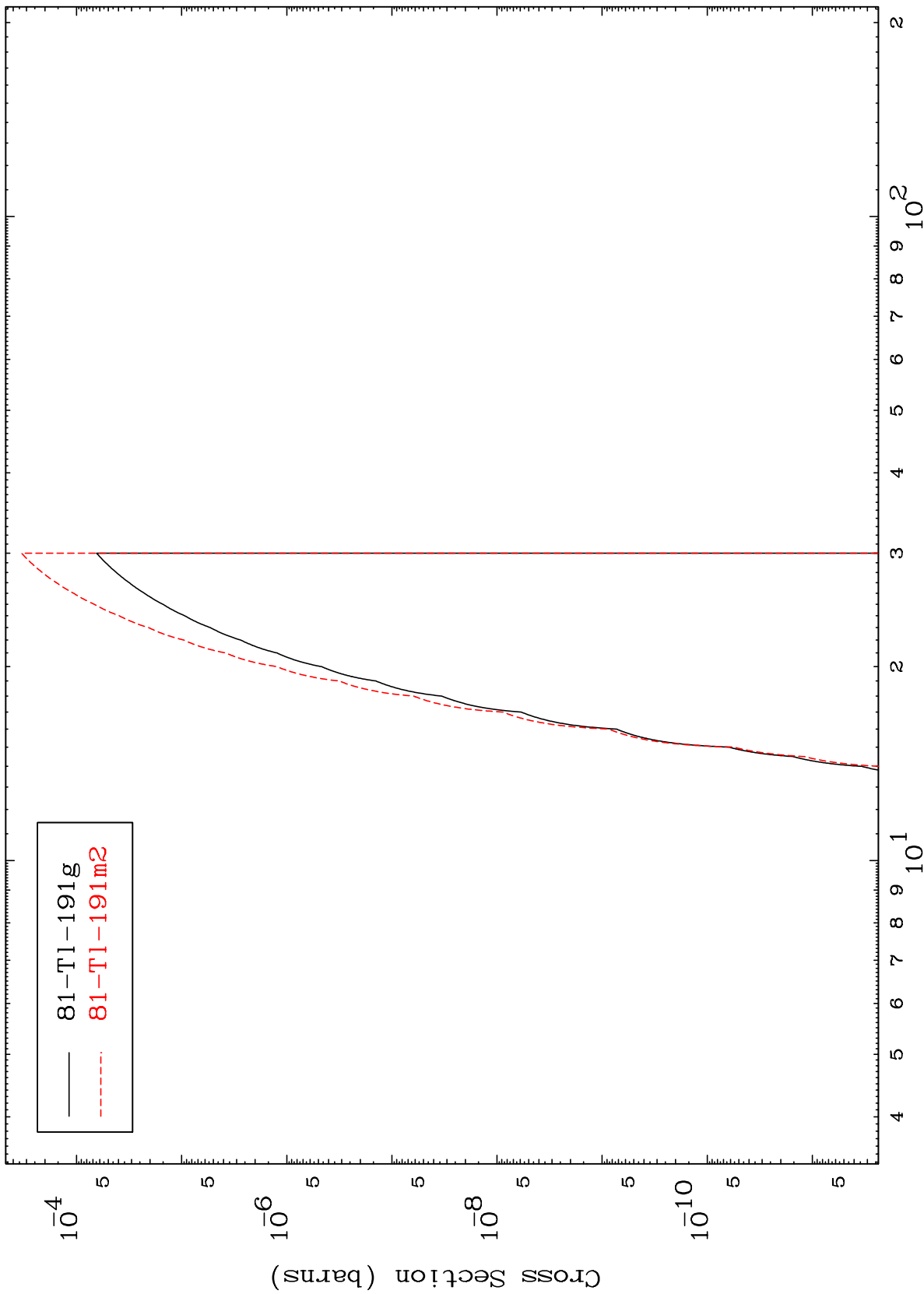
81-Tl-192g  
81-Tl-192m1

MAT 8282

(n,p) t

83-Bi-194

Radionuclide Production Cross Section



81-Tl-191g  
81-Tl-191m2

39

Incident Energy (MeV)

83-Bi-194

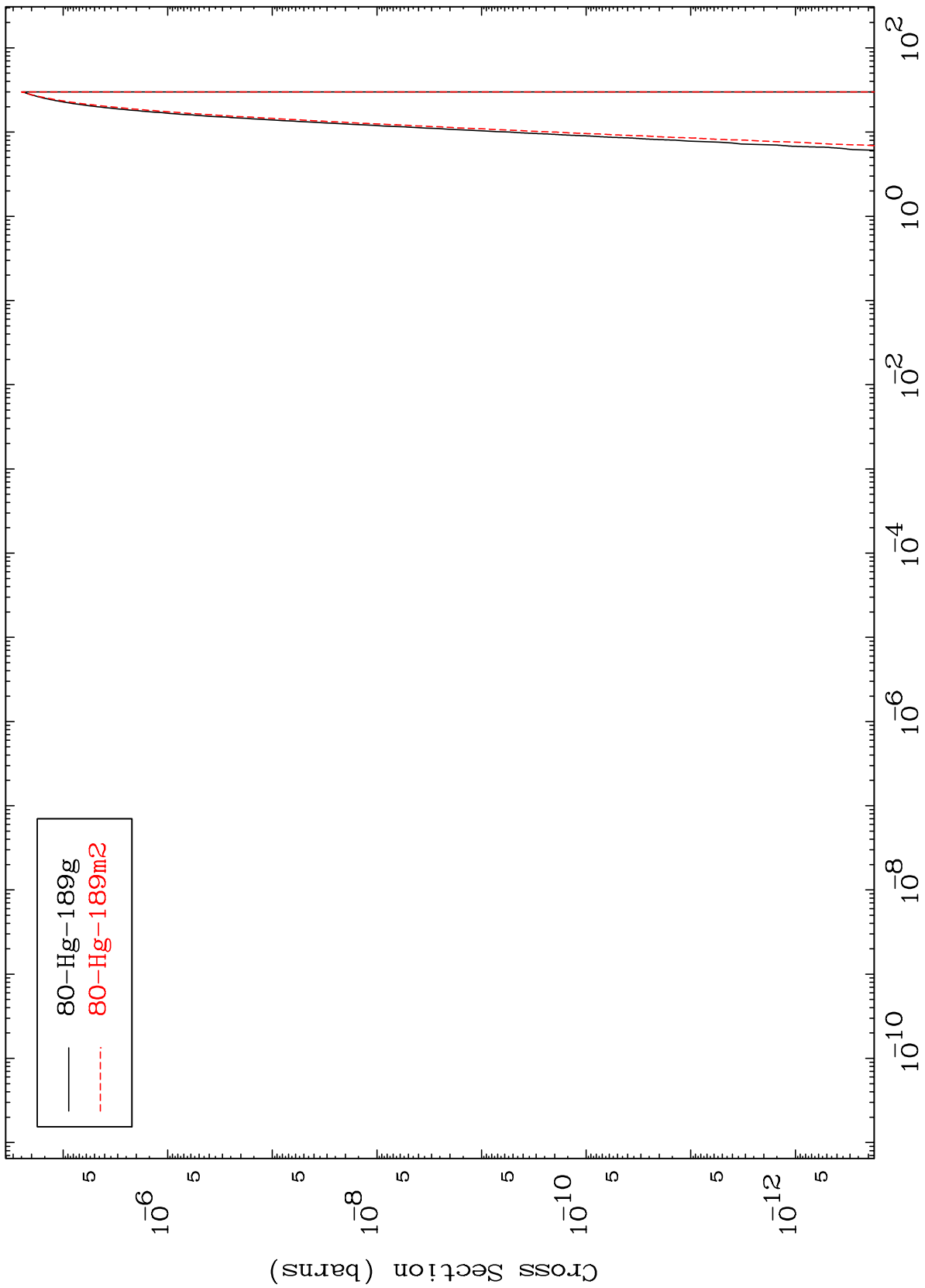


MAT 8282

(n,d)  $\alpha$

83-Bi-194

Radionuclide Production Cross Section



40

Incident Energy (MeV)

83-Bi-194