

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

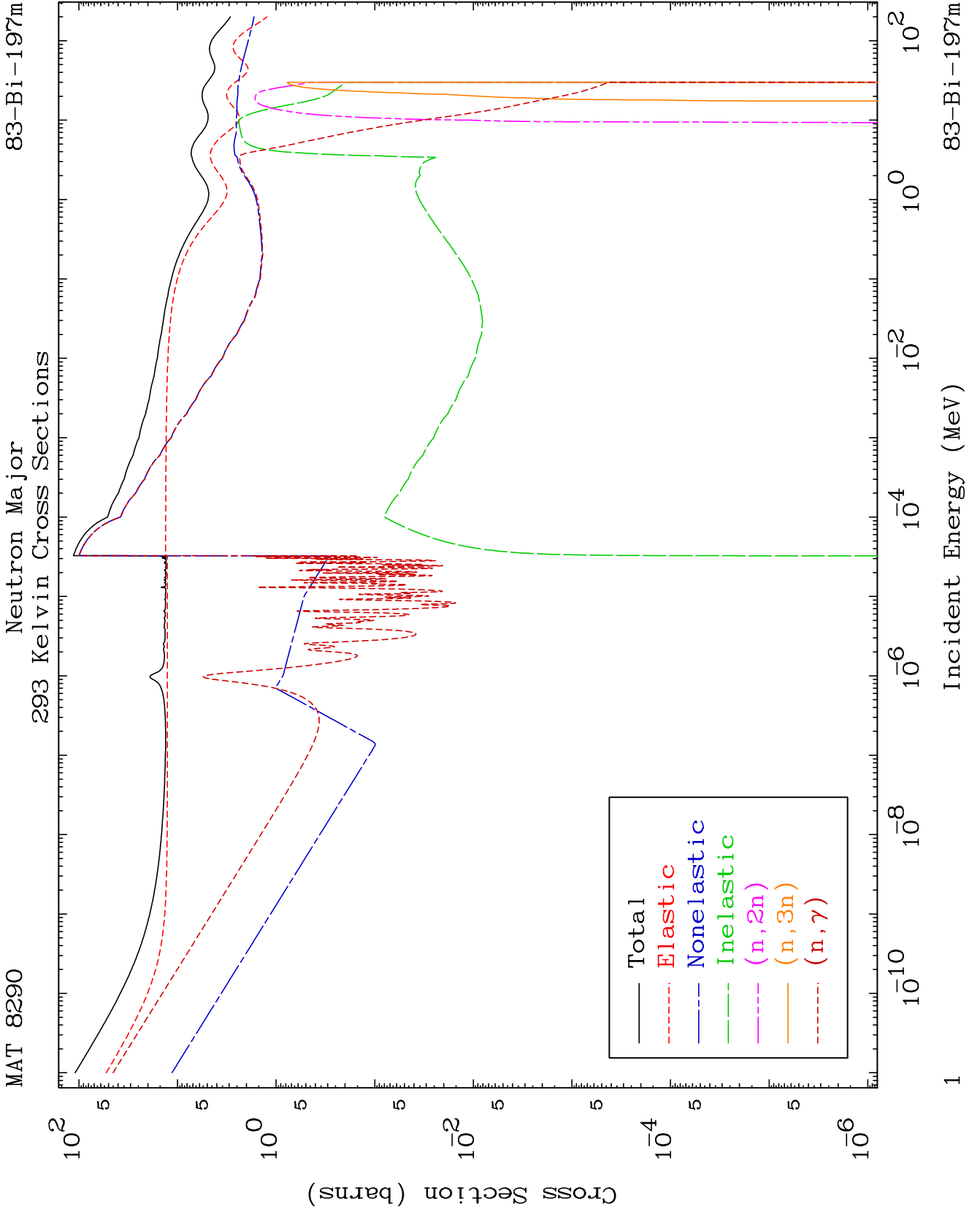
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

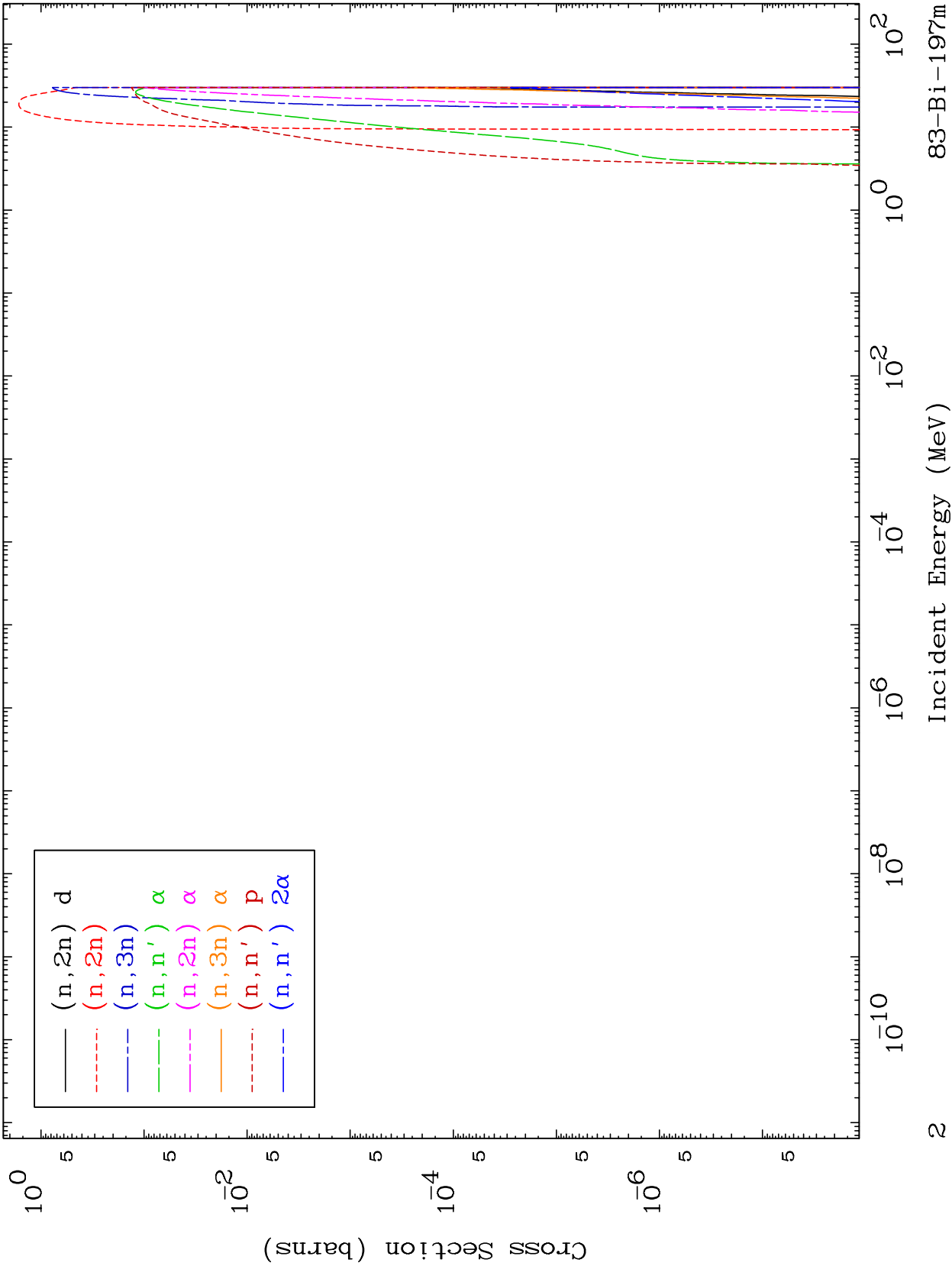
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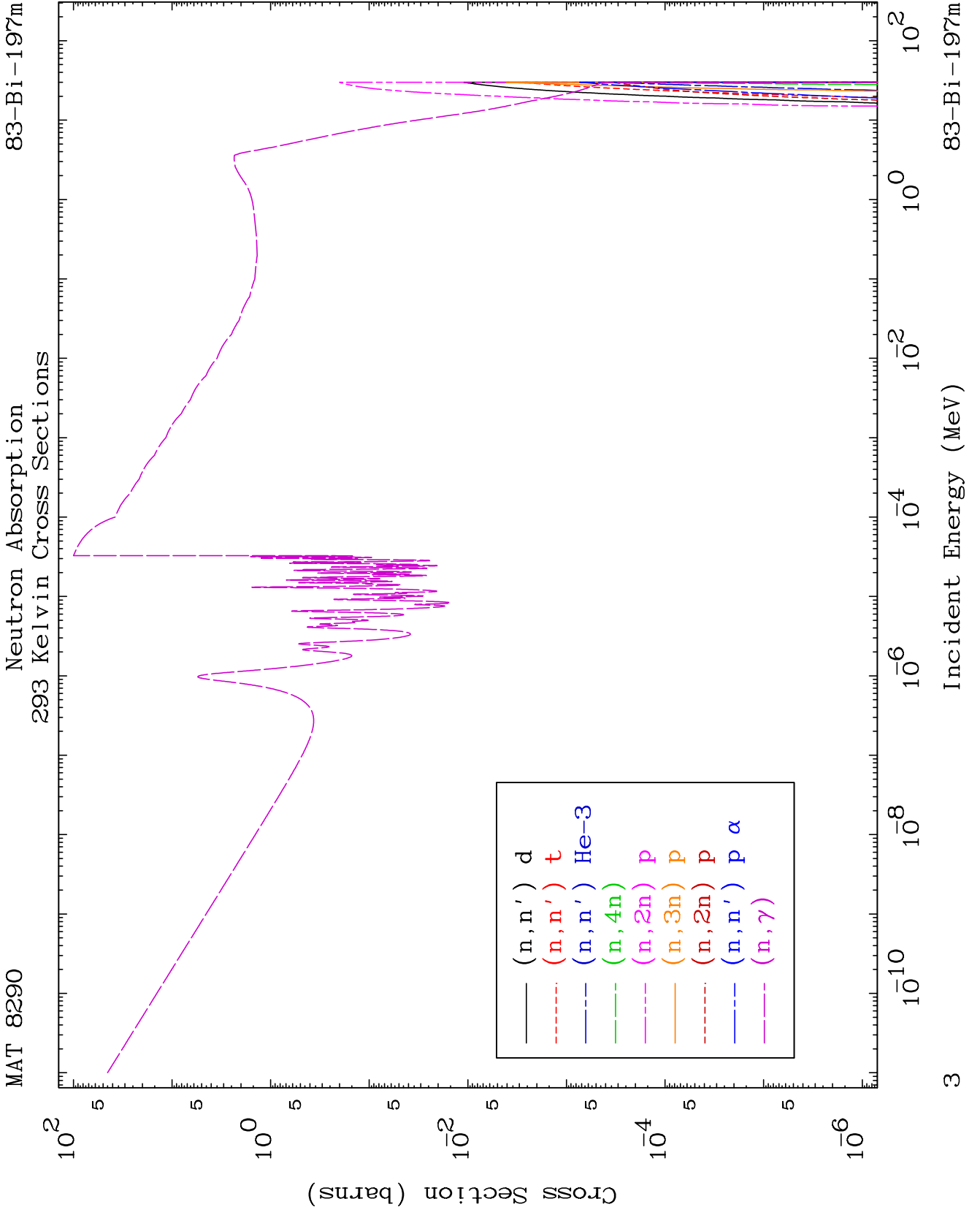


MAT 8290

Neutron Absorption  
293 Kelvin Cross Sections

83-Bi-197m

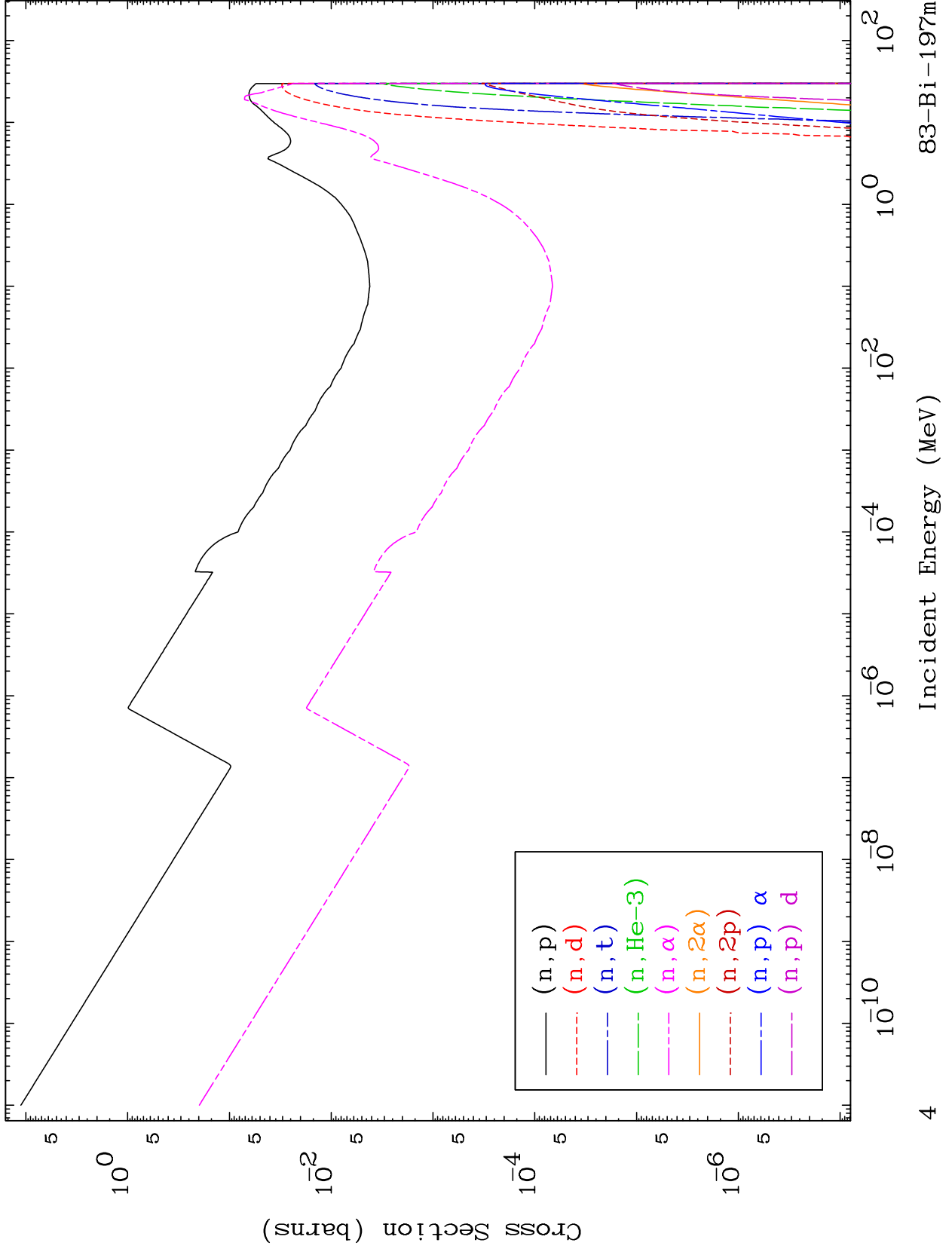


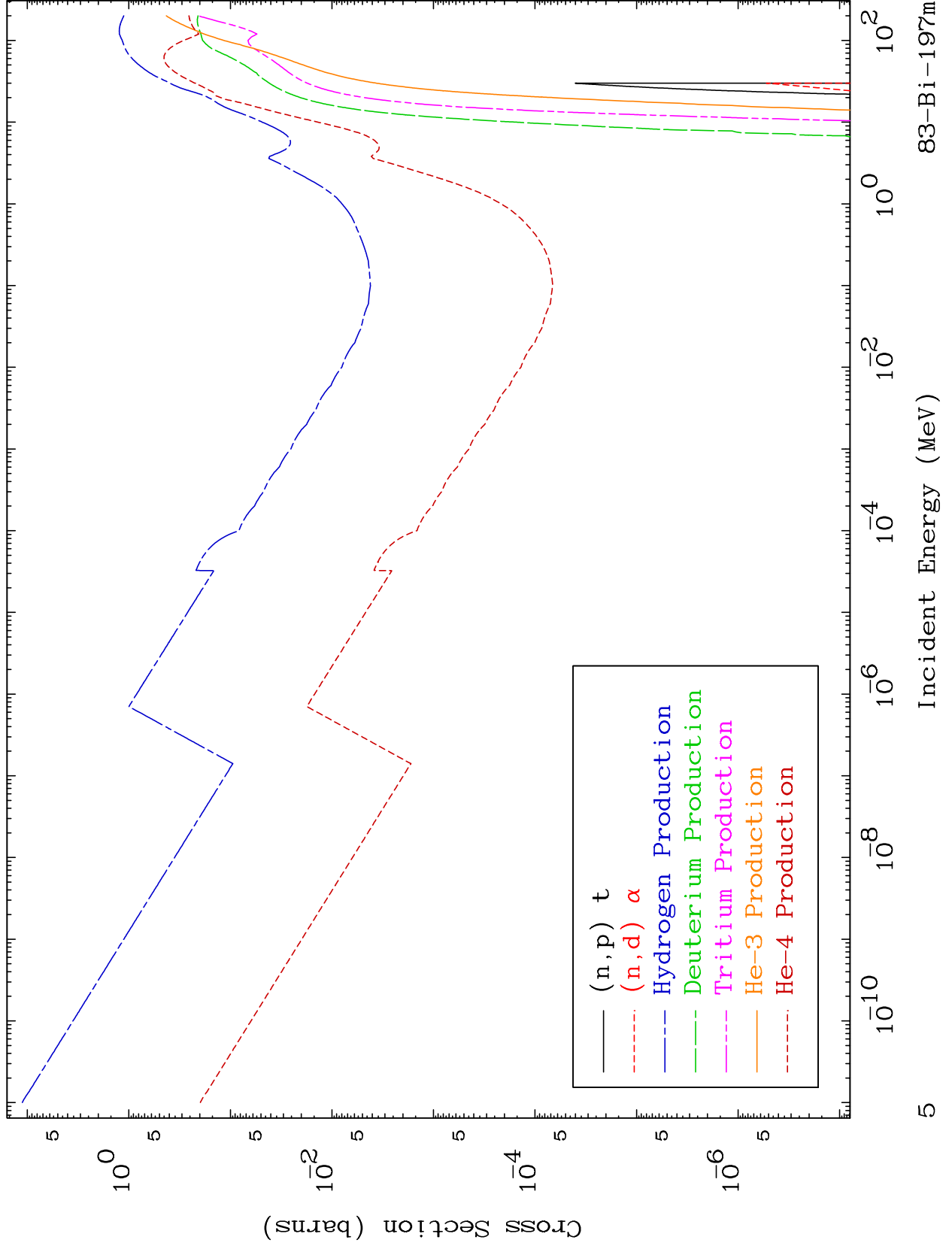


MAT 8290

Neutron Absorption  
293 Kelvin Cross Sections

83-Bi-197m

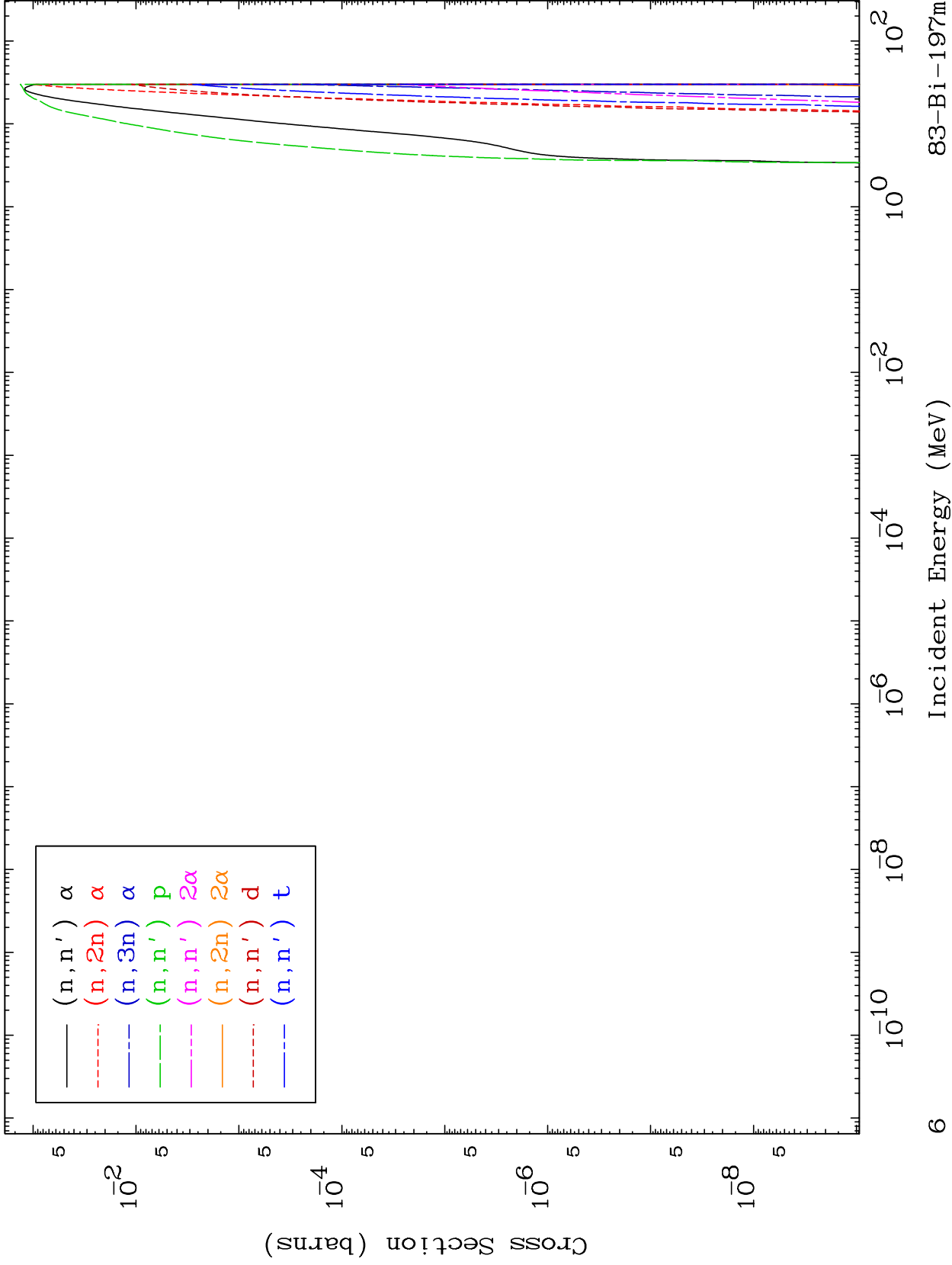




MAT 8290

Charged Particle  
293 Kelvin Cross Sections

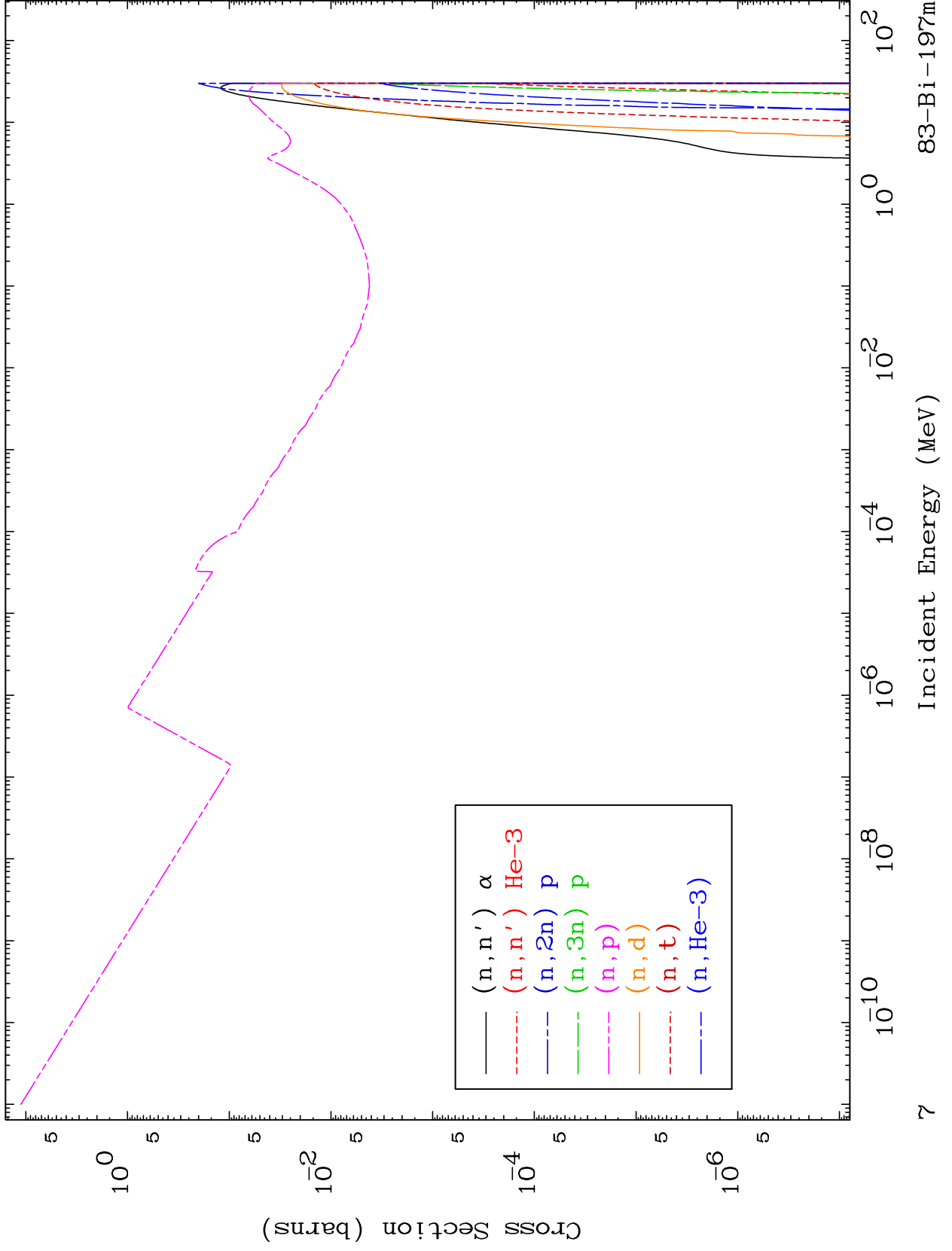
83-Bi-197m



MAT 8290

Charged Particle  
293 Kelvin Cross Sections

83-Bi-197m

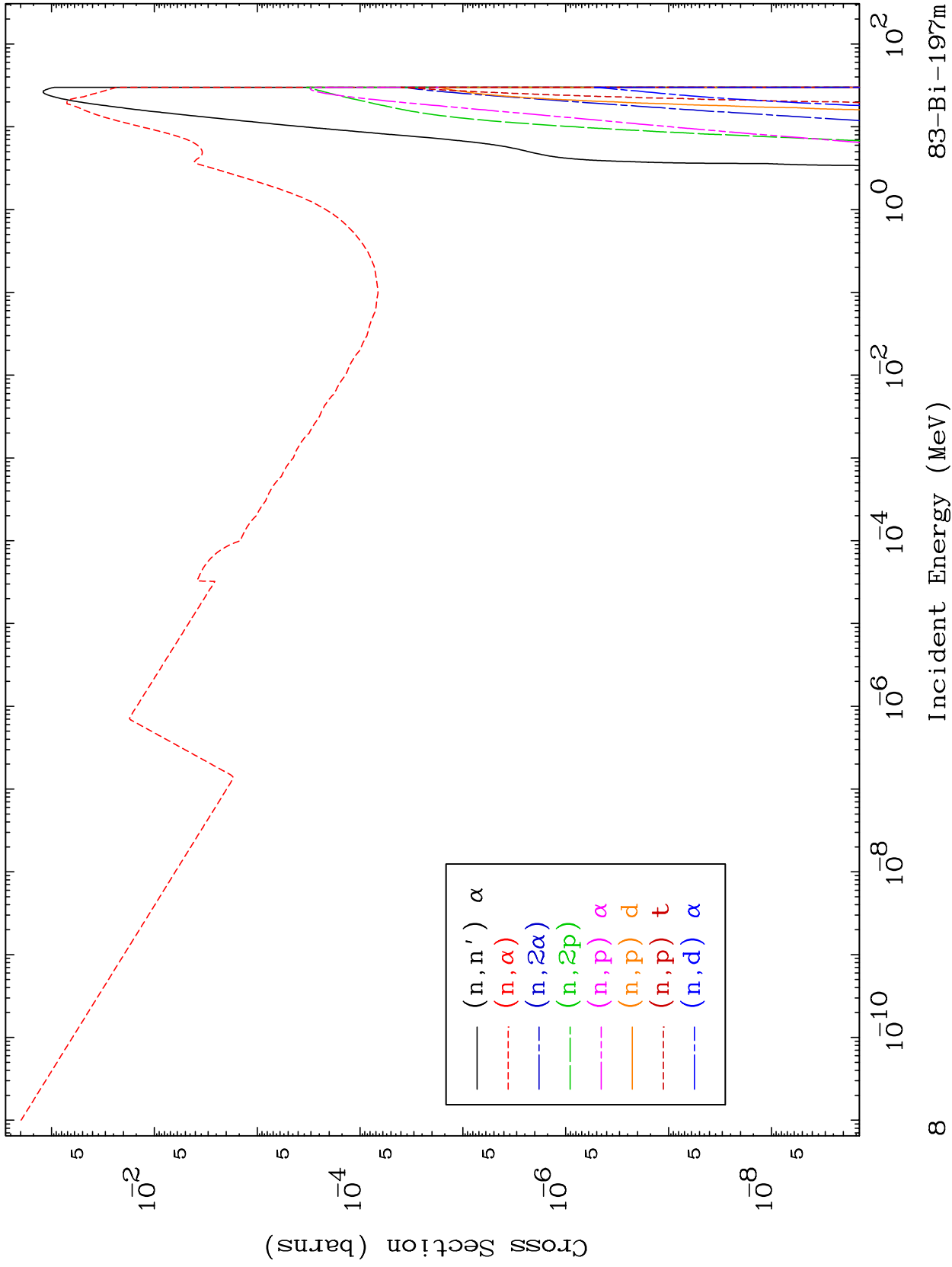


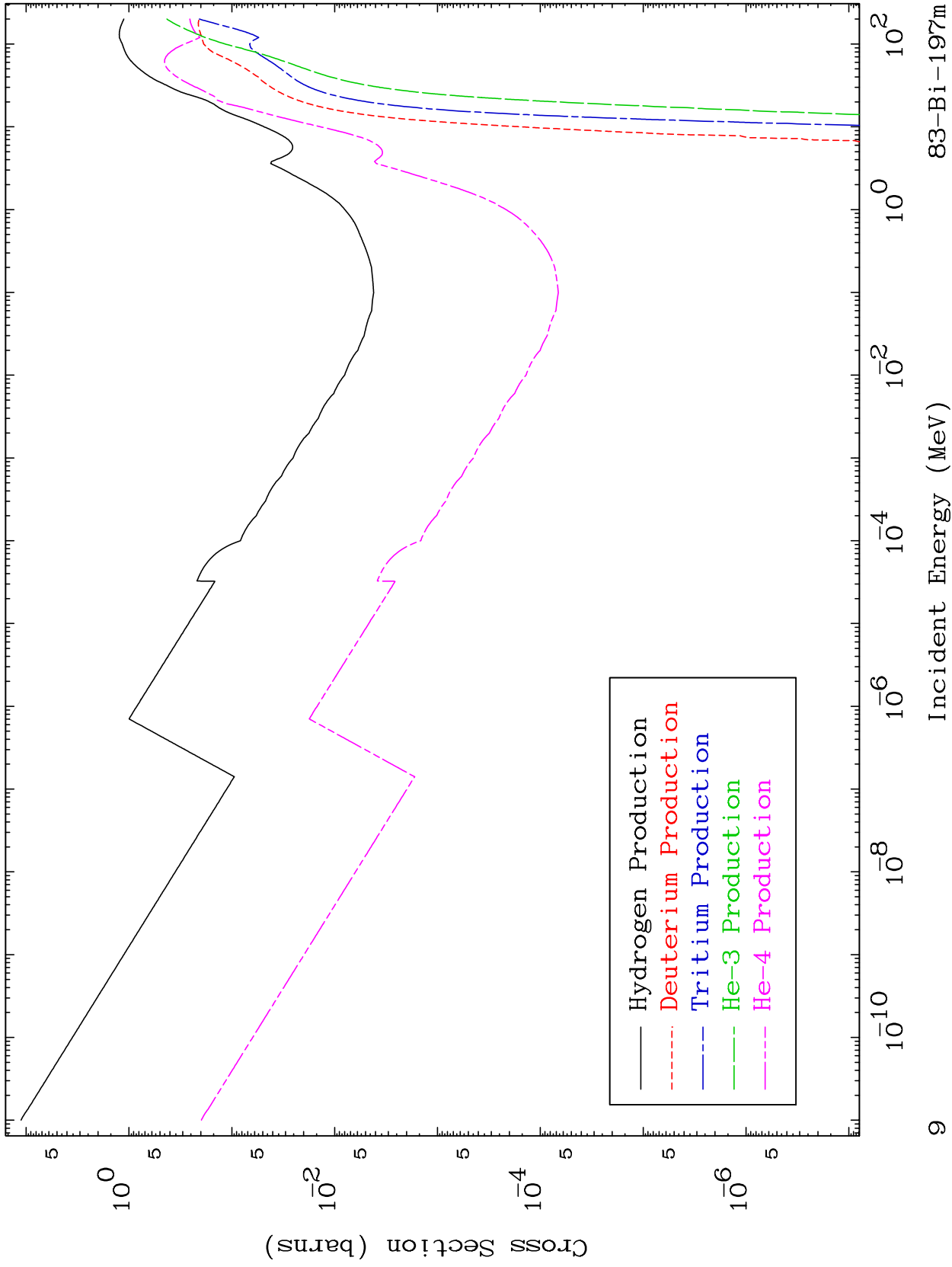


MAT 8290

Charged Particle  
293 Kelvin Cross Sections

83-Bi-197m

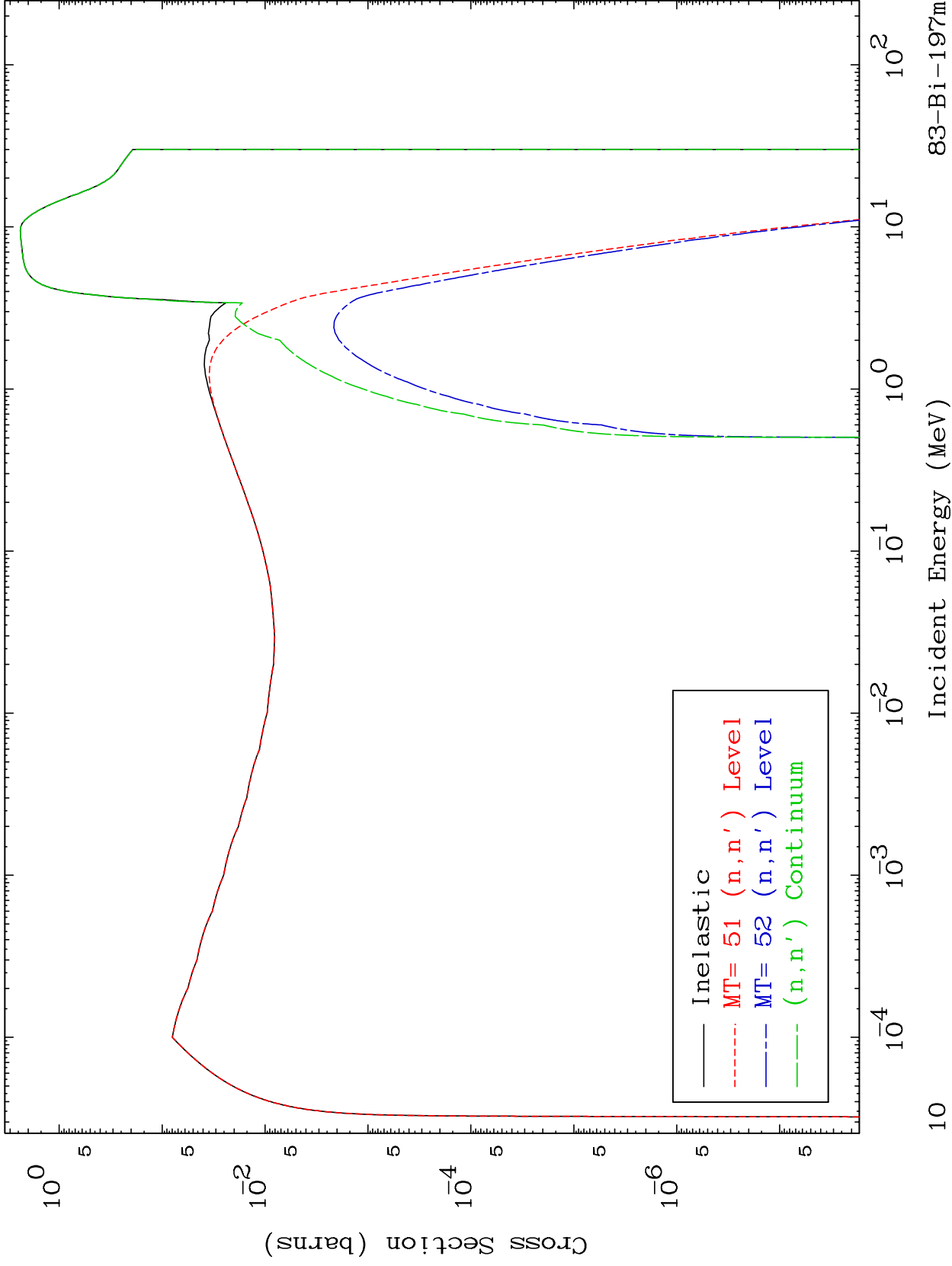




MAT 8290

(n,n') Levels  
293 Kelvin Cross Sections

83-Bi-197m



10

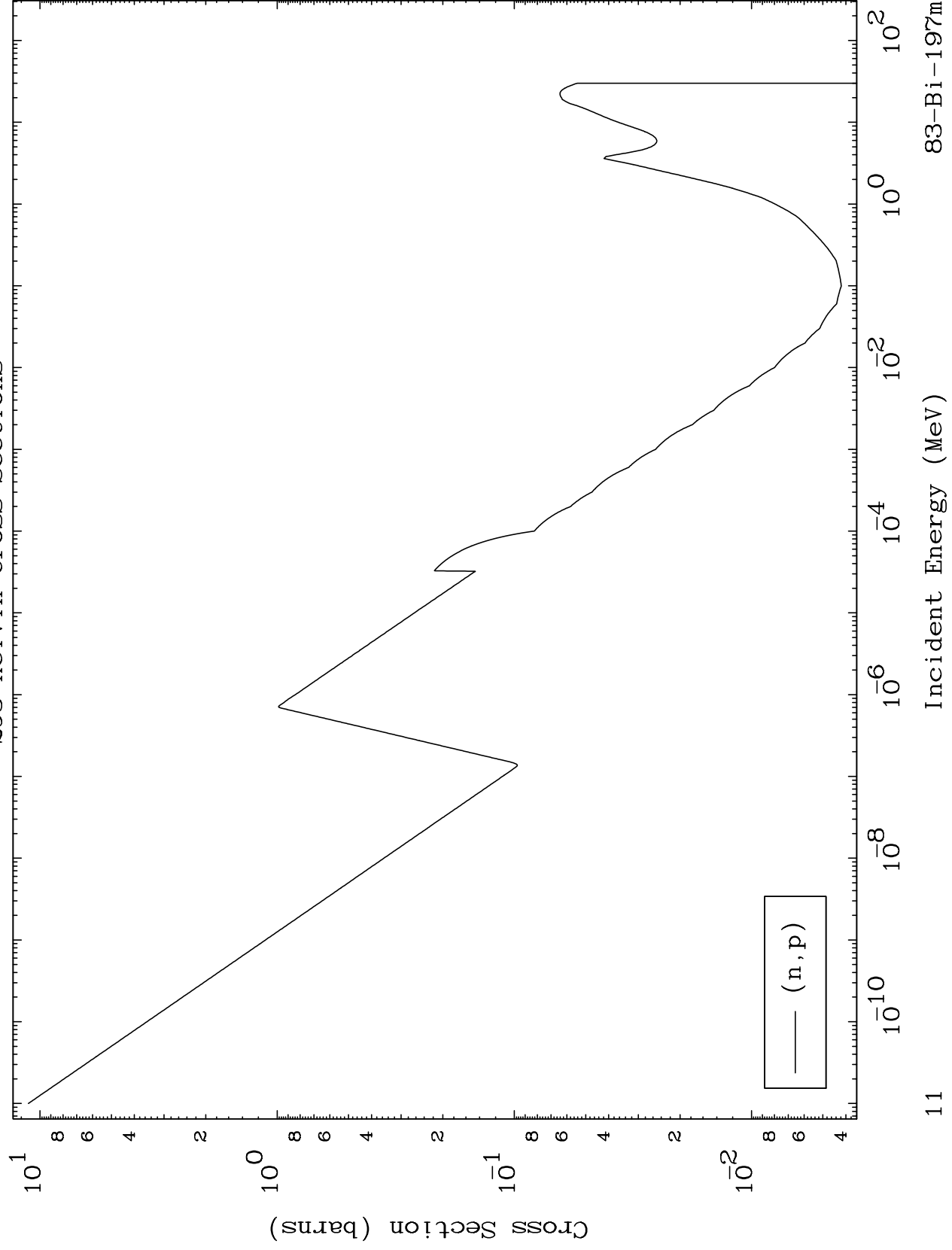
10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup>

83-Bi-197m

MAT 8290

(n,p) Levels  
293 Kelvin Cross Sections

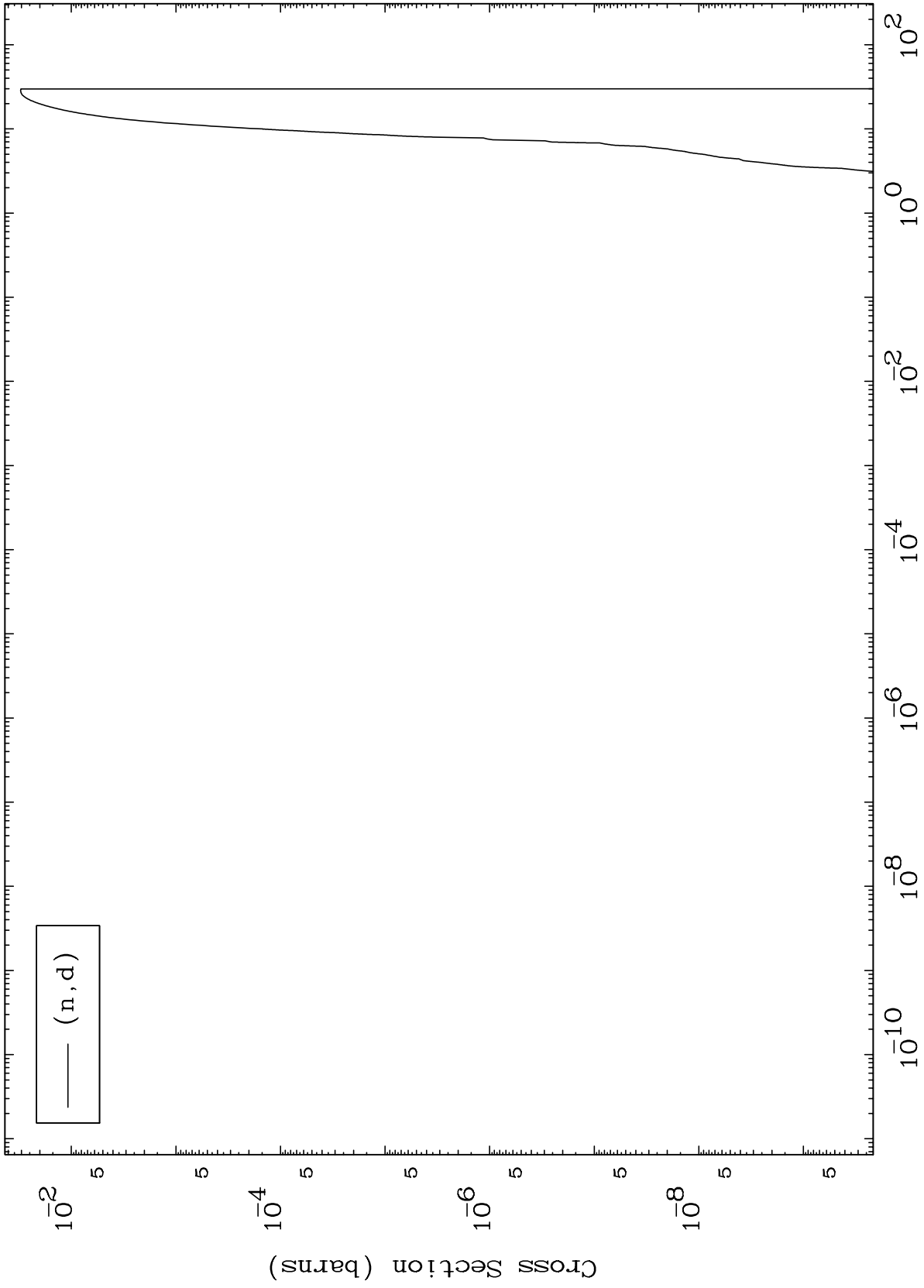
83-Bi-197m



MAT 8290

(n,d) Levels  
293 Kelvin Cross Sections

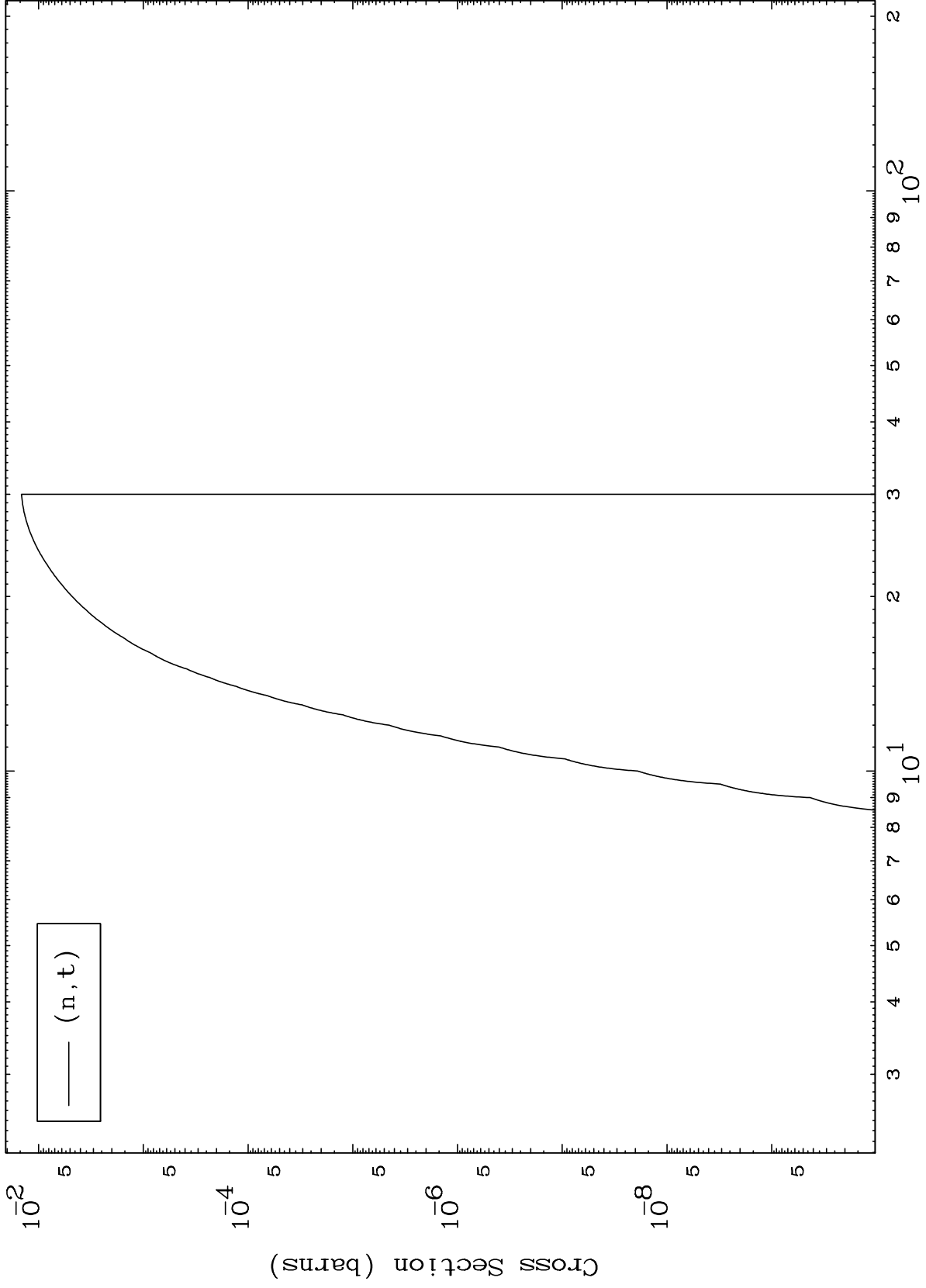
83-Bi-197m



MAT 8290

(n,t) Levels  
293 Kelvin Cross Sections

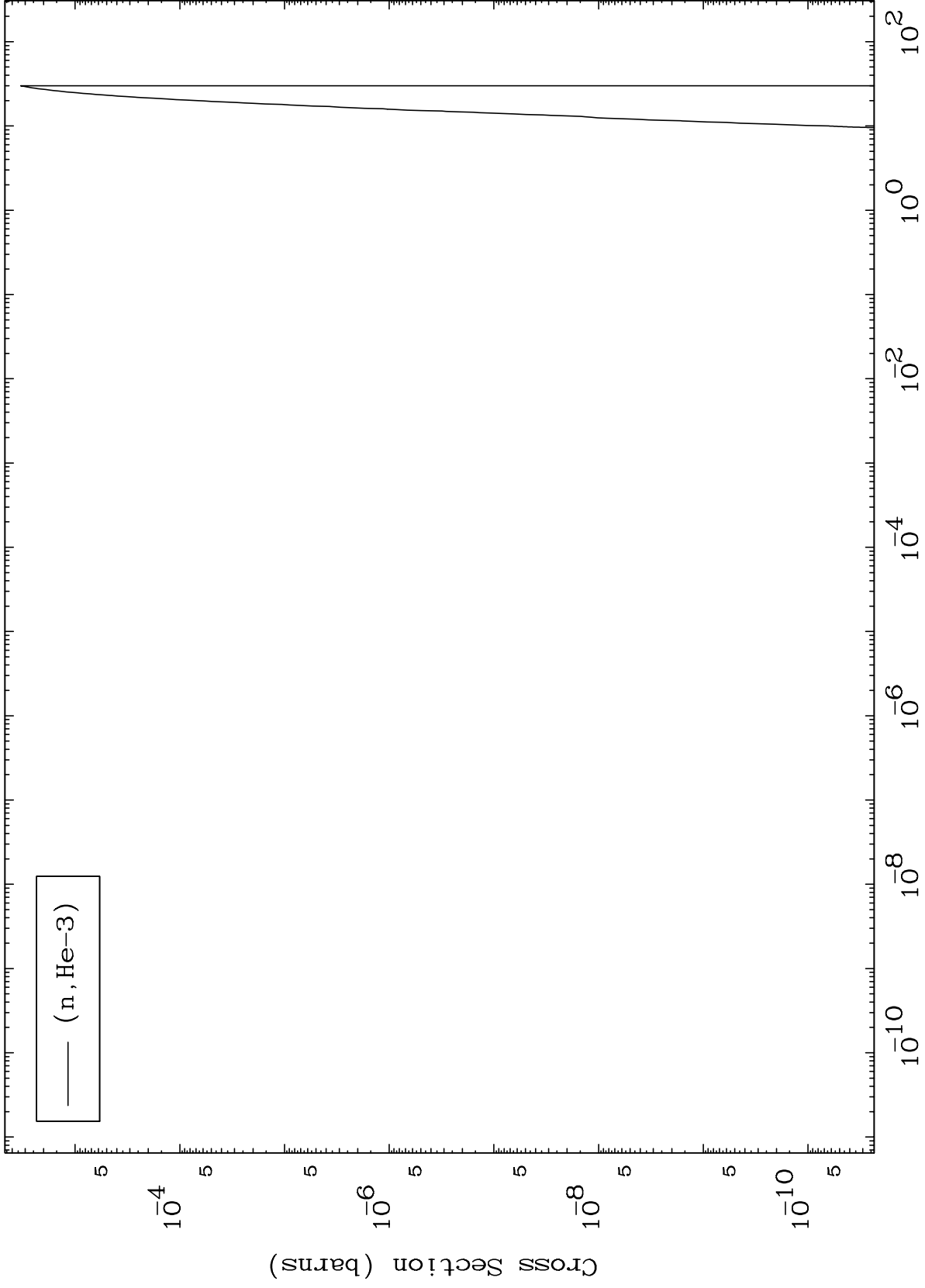
83-Bi-197m



MAT 8290

(n,He3) Levels  
293 Kelvin Cross Sections

83-Bi-197m



14

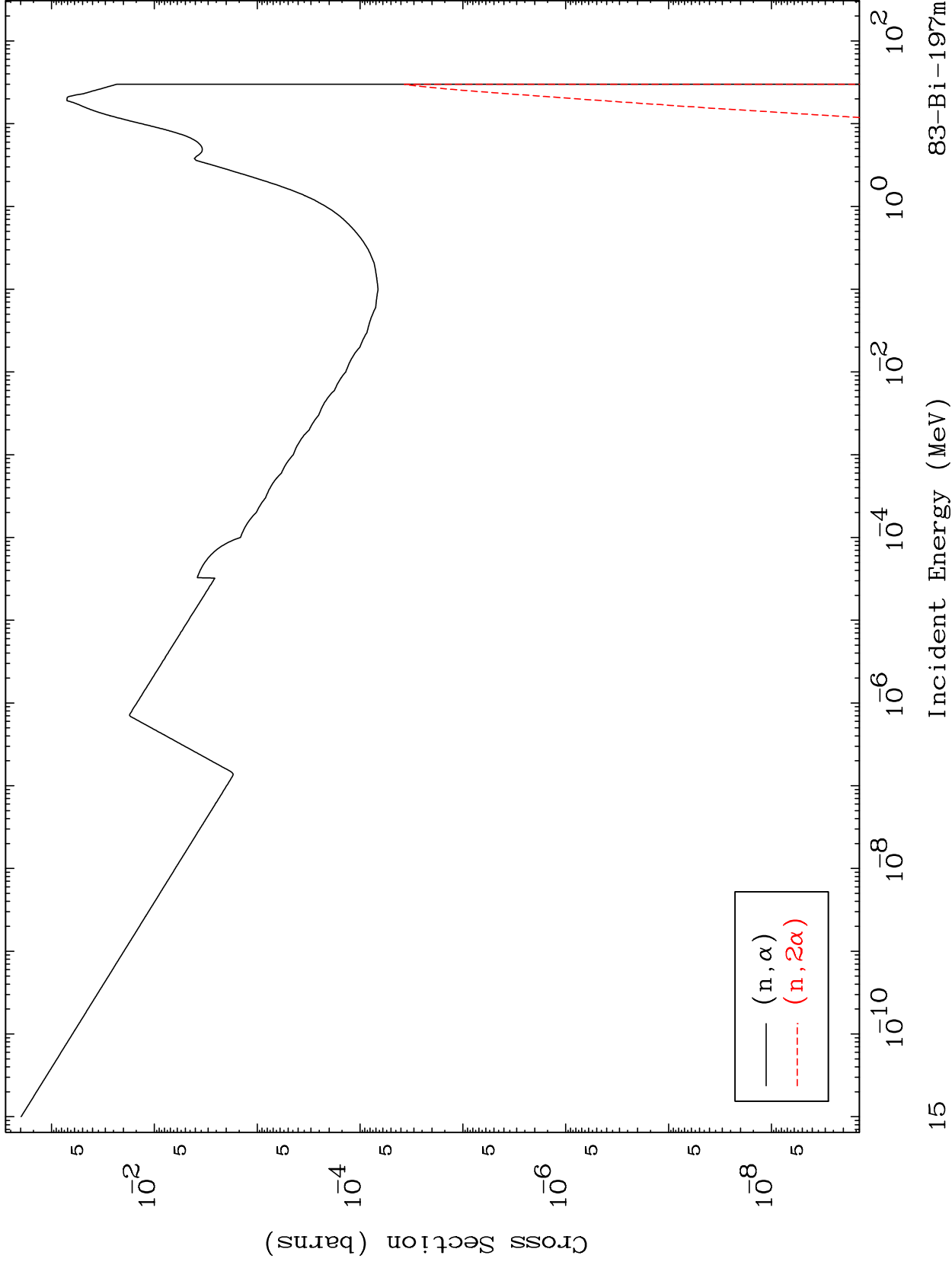
Incident Energy (MeV)

83-Bi-197m

MAT 8290

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

83-Bi-197m



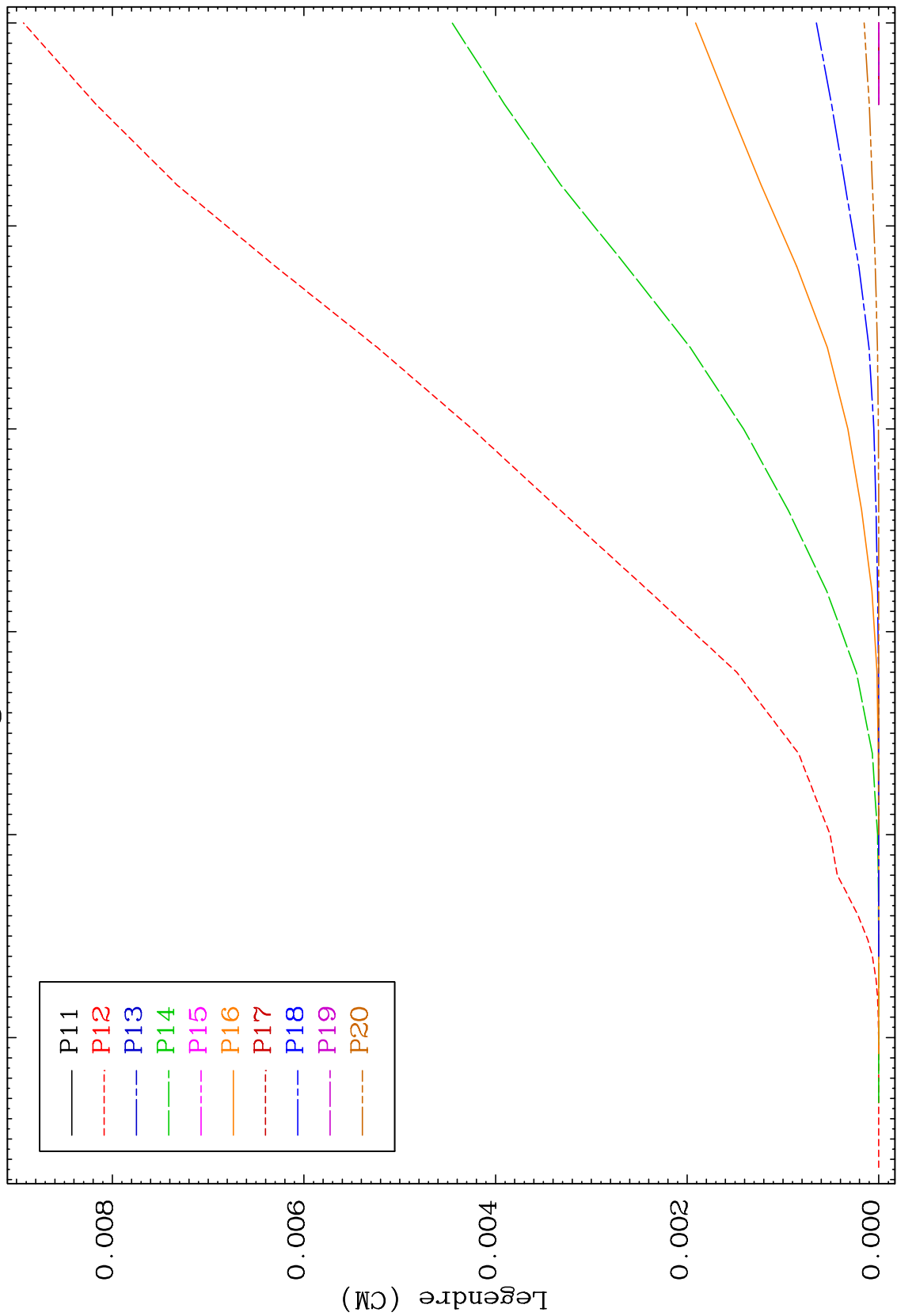




MAT 8290

Elastic Legendre Coefficients

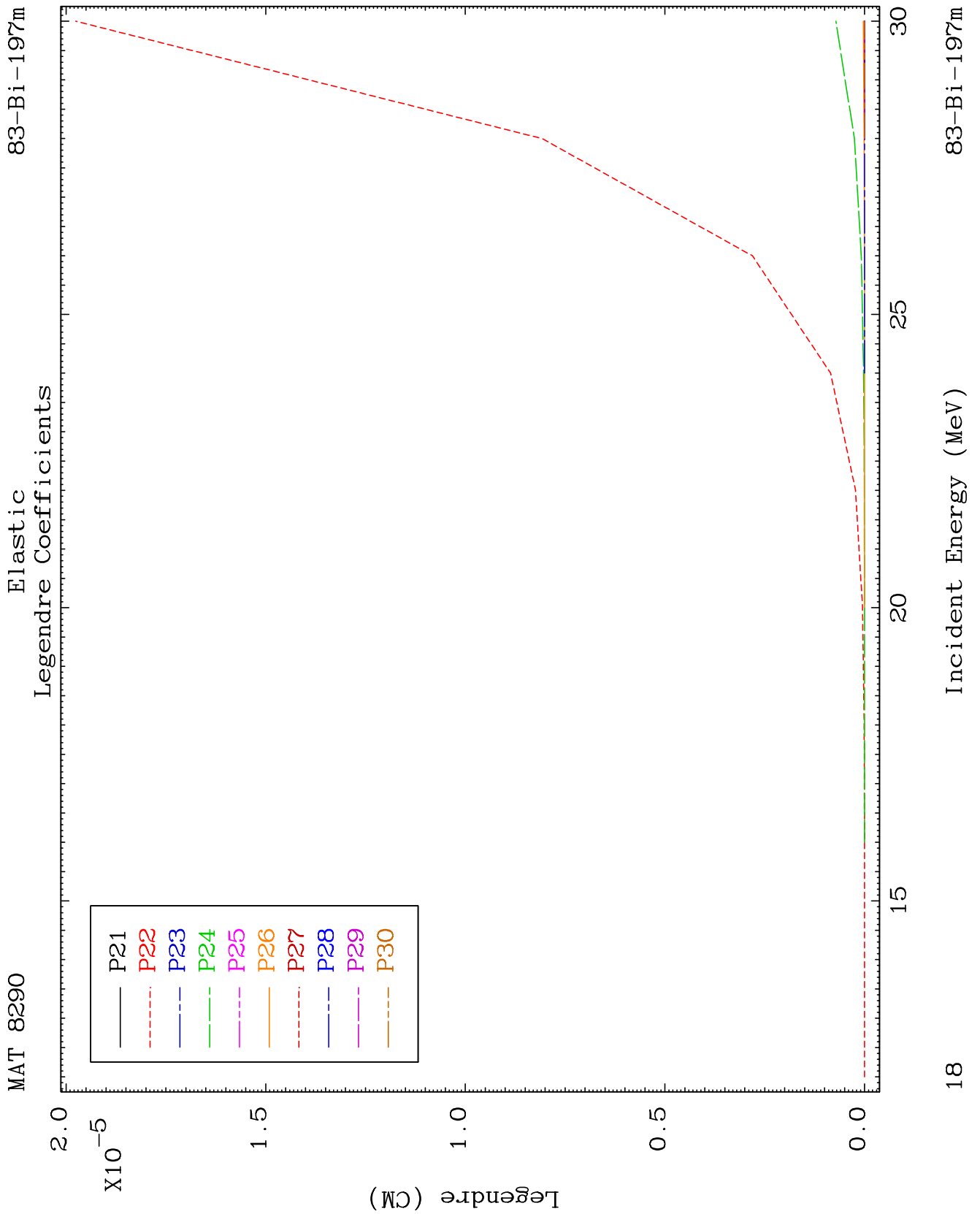
83-Bi-197m



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Incident Energy (MeV)

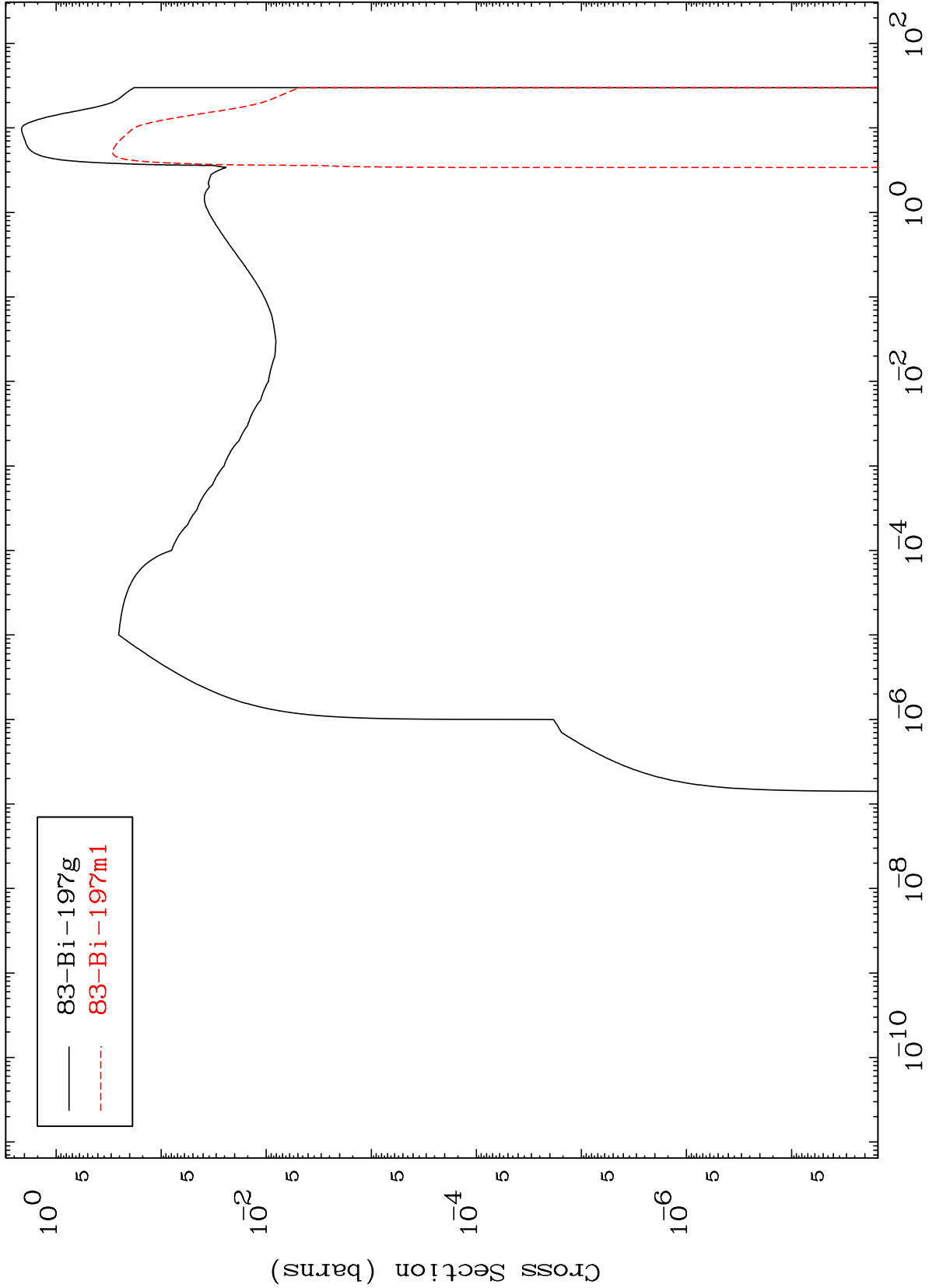
83-Bi-197m



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Inelastic  
Radionuclide Production Cross Section

83-Bi-197m

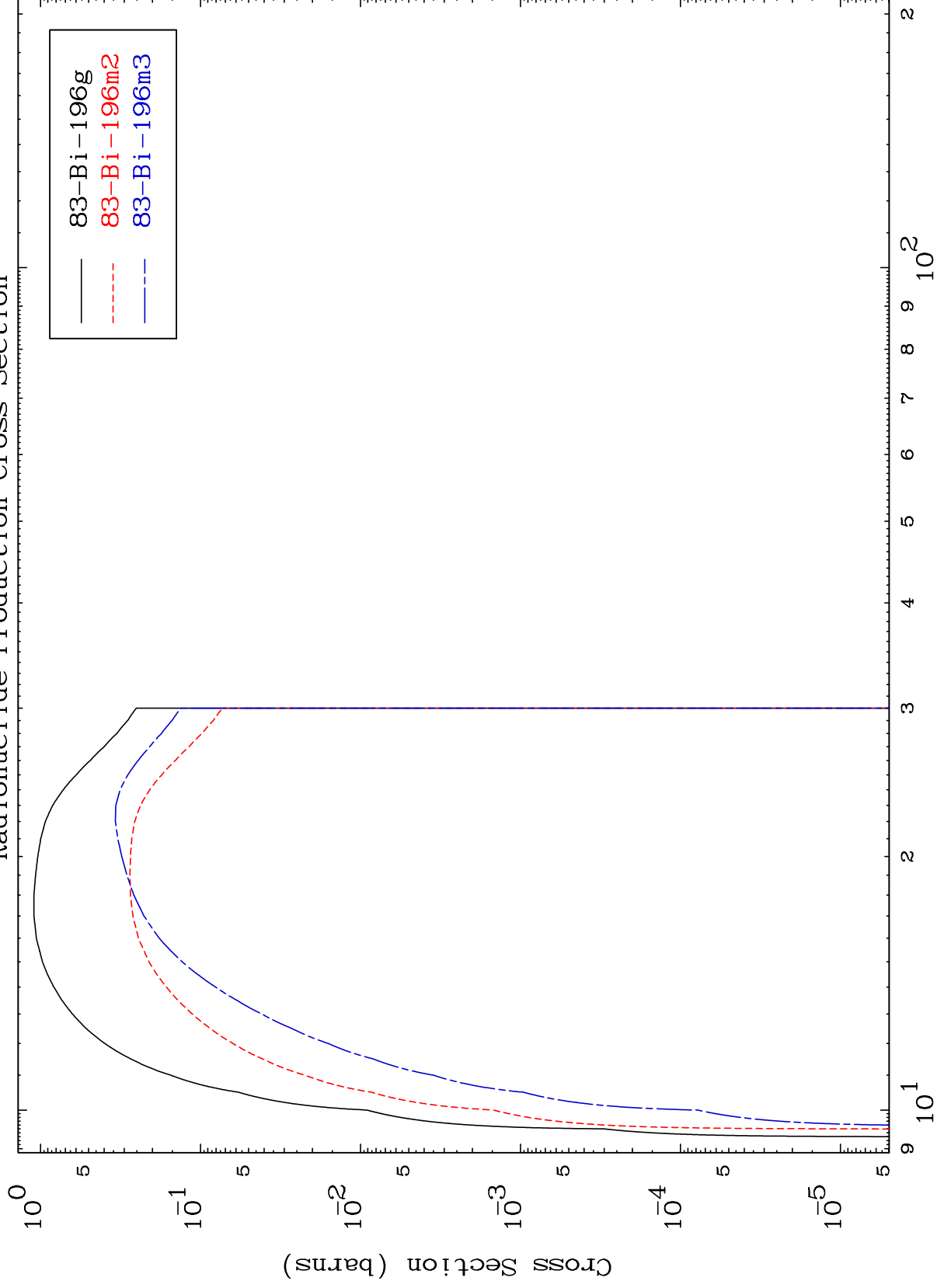


MAT 8290

(n,2n)

<sup>83</sup>Bi-197m

Radionuclide Production Cross Section



Incident Energy (MeV)

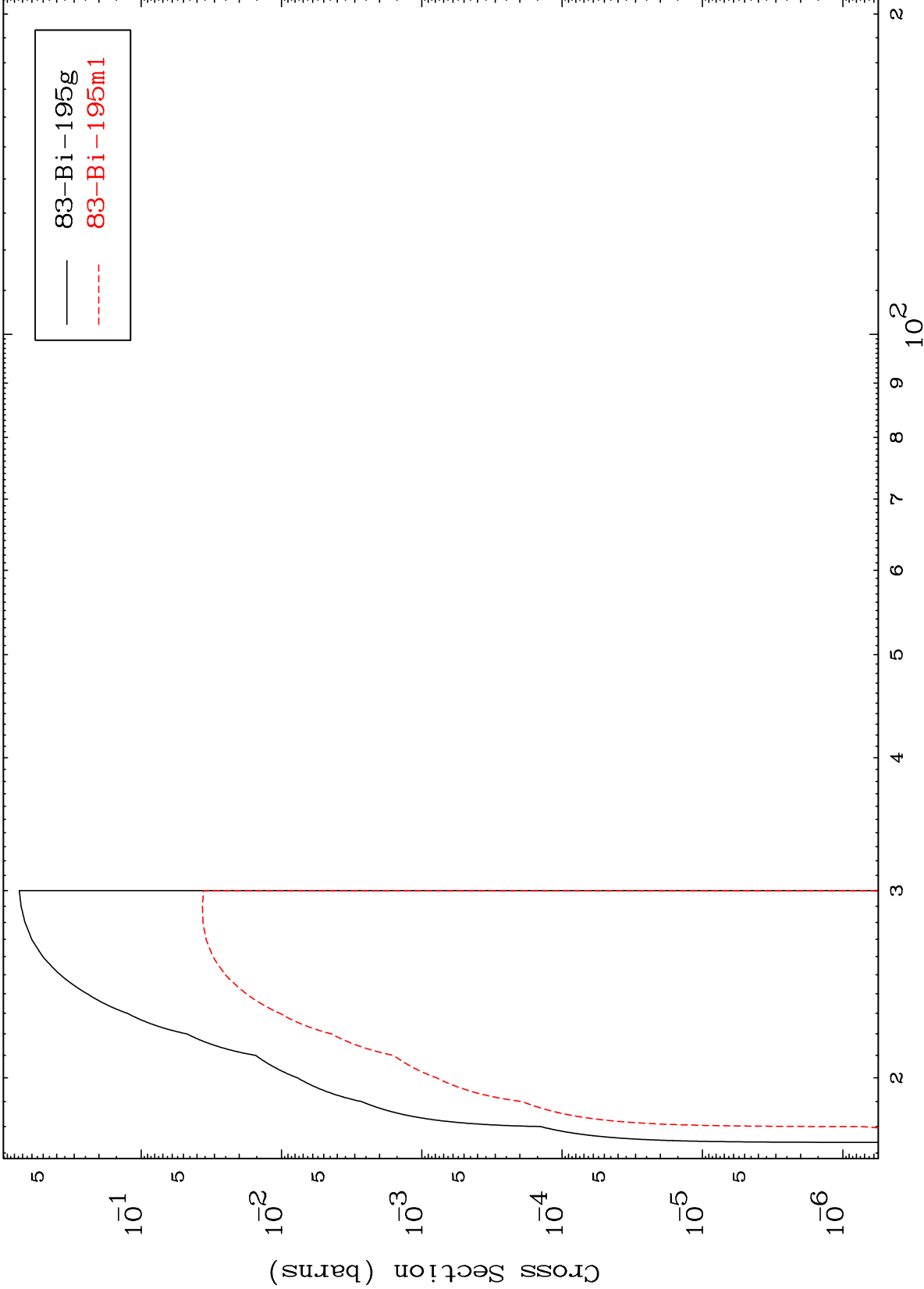
<sup>83</sup>Bi-197m

MAT 8290

(n,3n)

83-Bi-197m

Radionuclide Production Cross Section



21

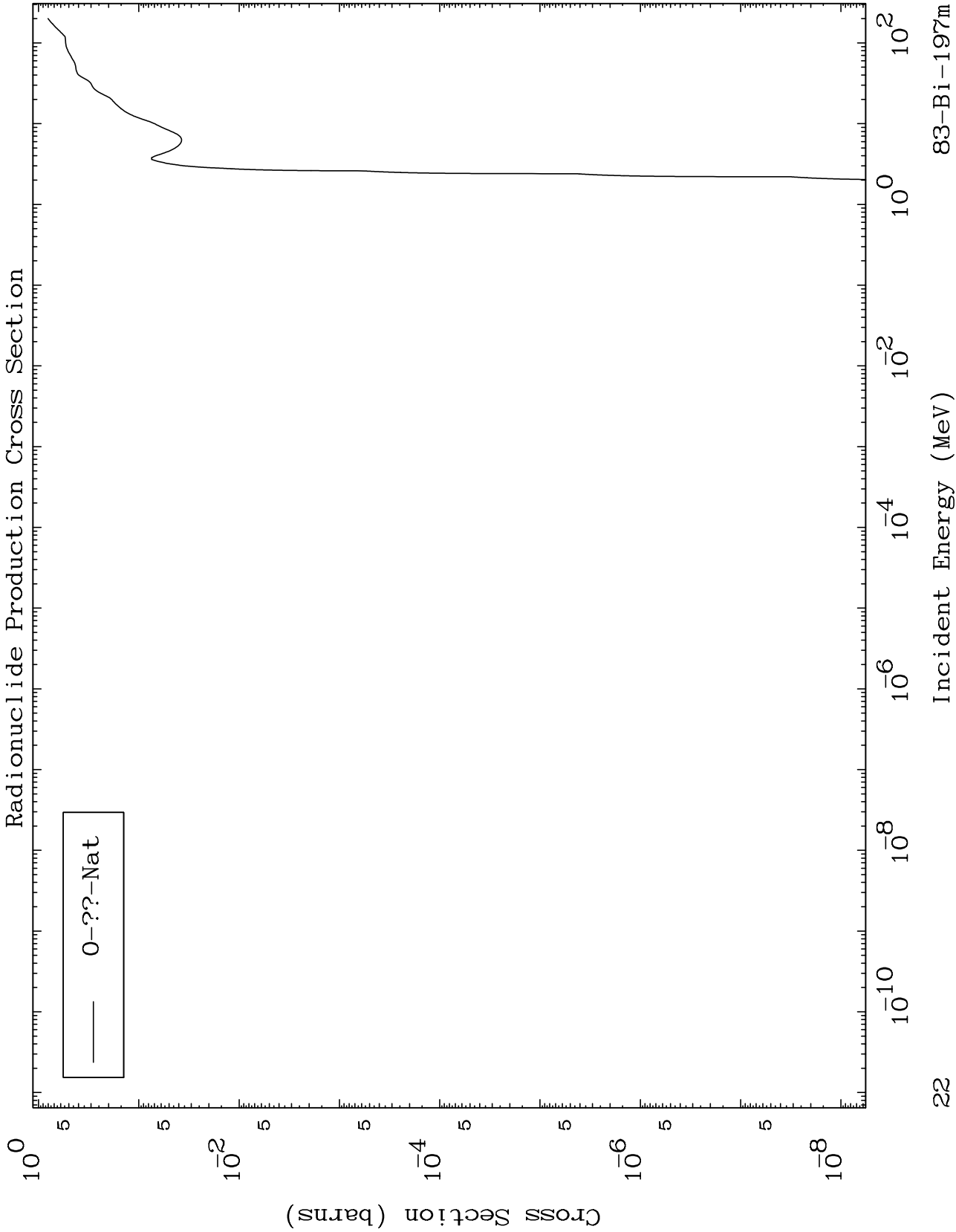
Incident Energy (MeV)

83-Bi-197m

MAT 8290

Fission

83-Bi-197m

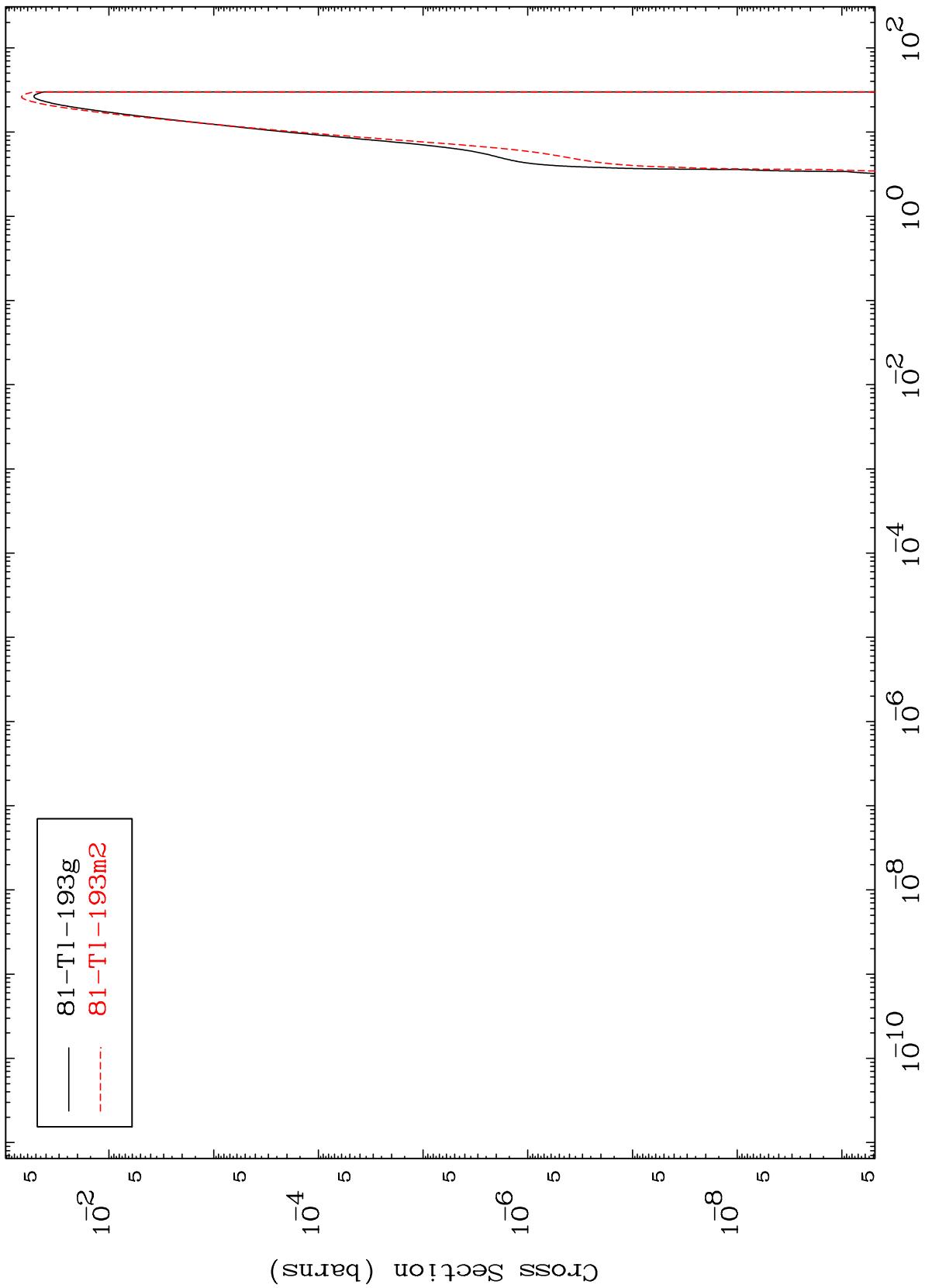


MAT 8290

$(n, n') \alpha$

83-Bi-197m

Radionuclide Production Cross Section



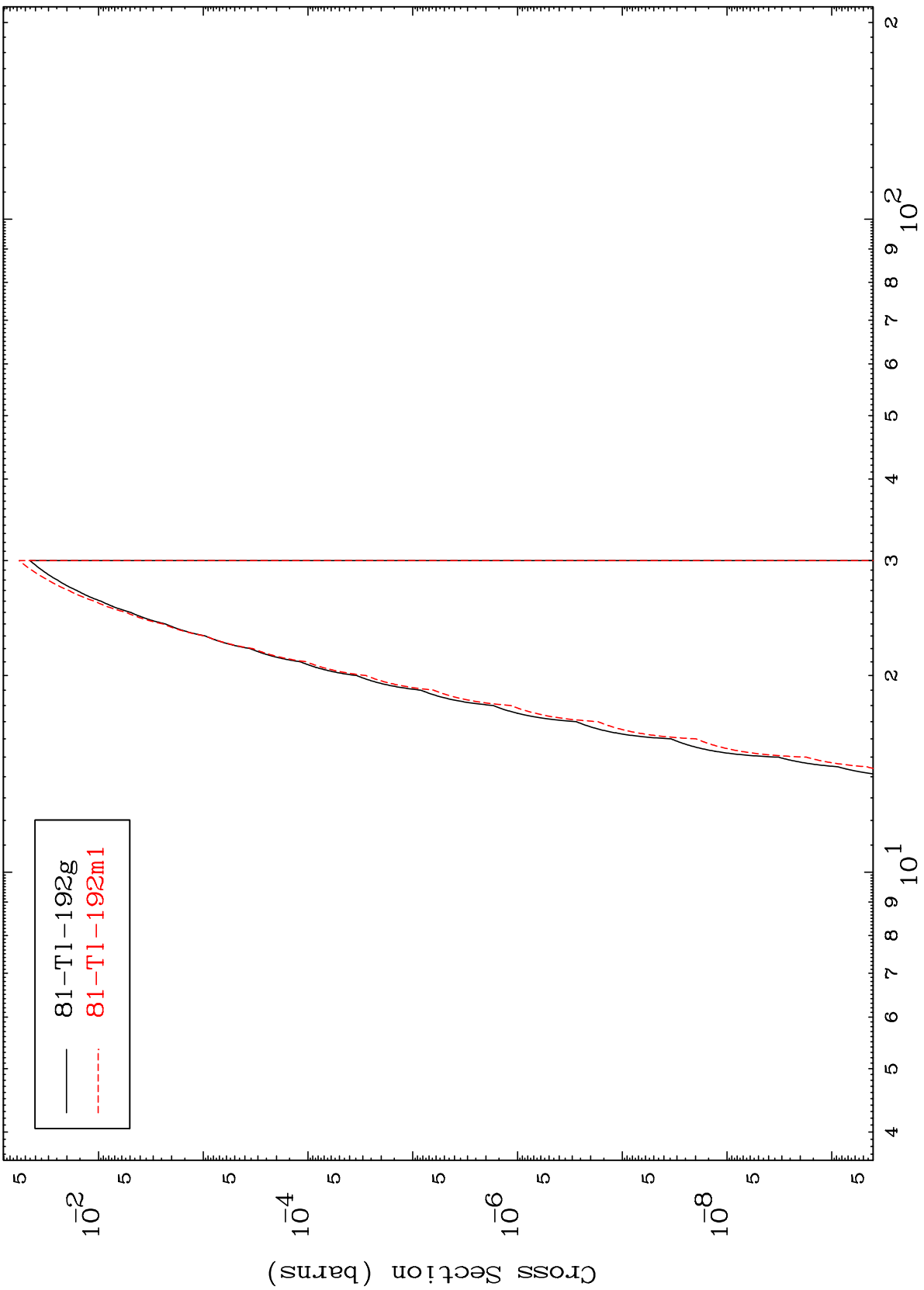


MAT 8290

$(n,2n) \alpha$

83-Bi-197m

Radionuclide Production Cross Section



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

24

Incident Energy (MeV)

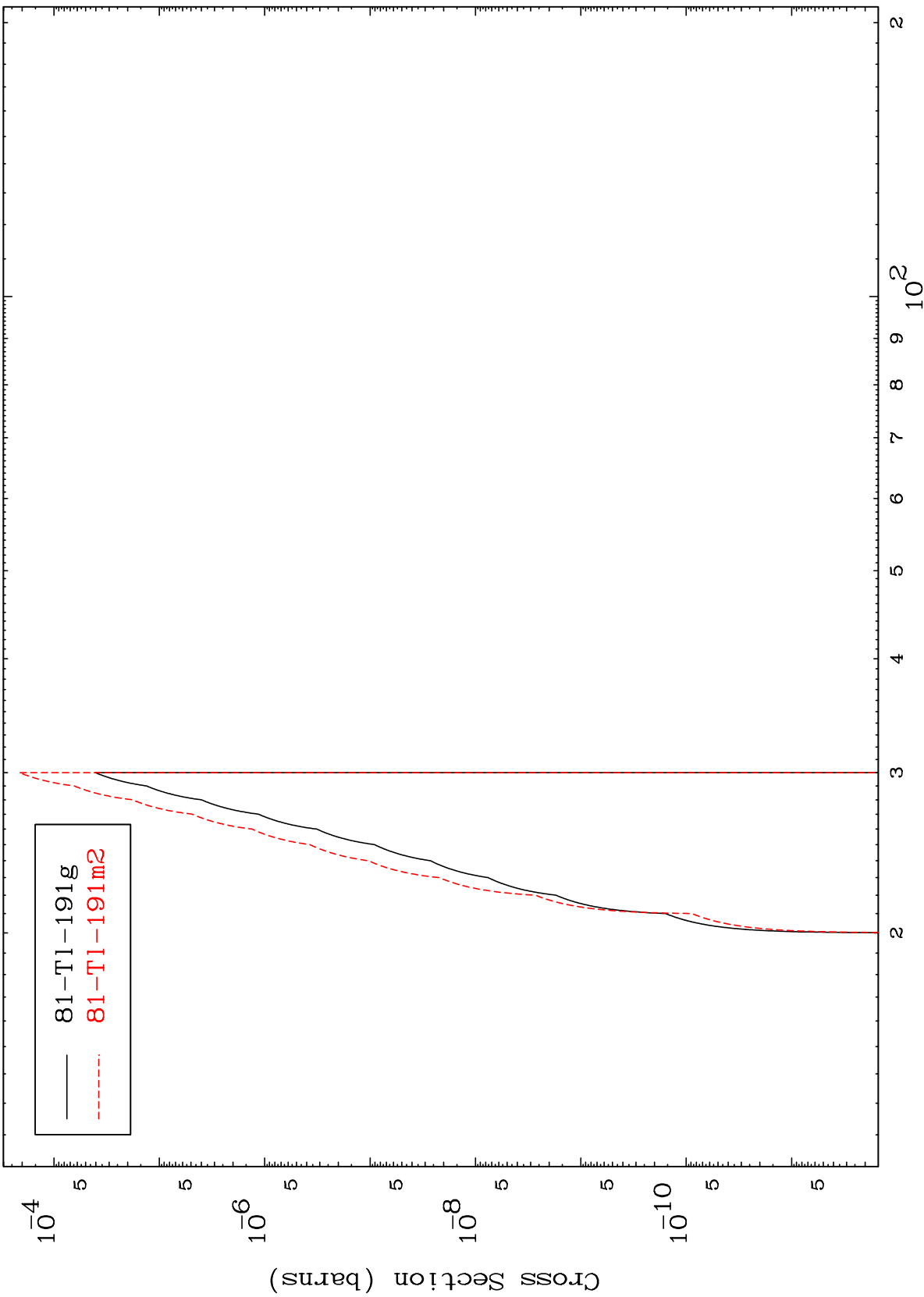
83-Bi-197m

MAT 8290

(n,3n)  $\alpha$

83-Bi-197m

Radionuclide Production Cross Section

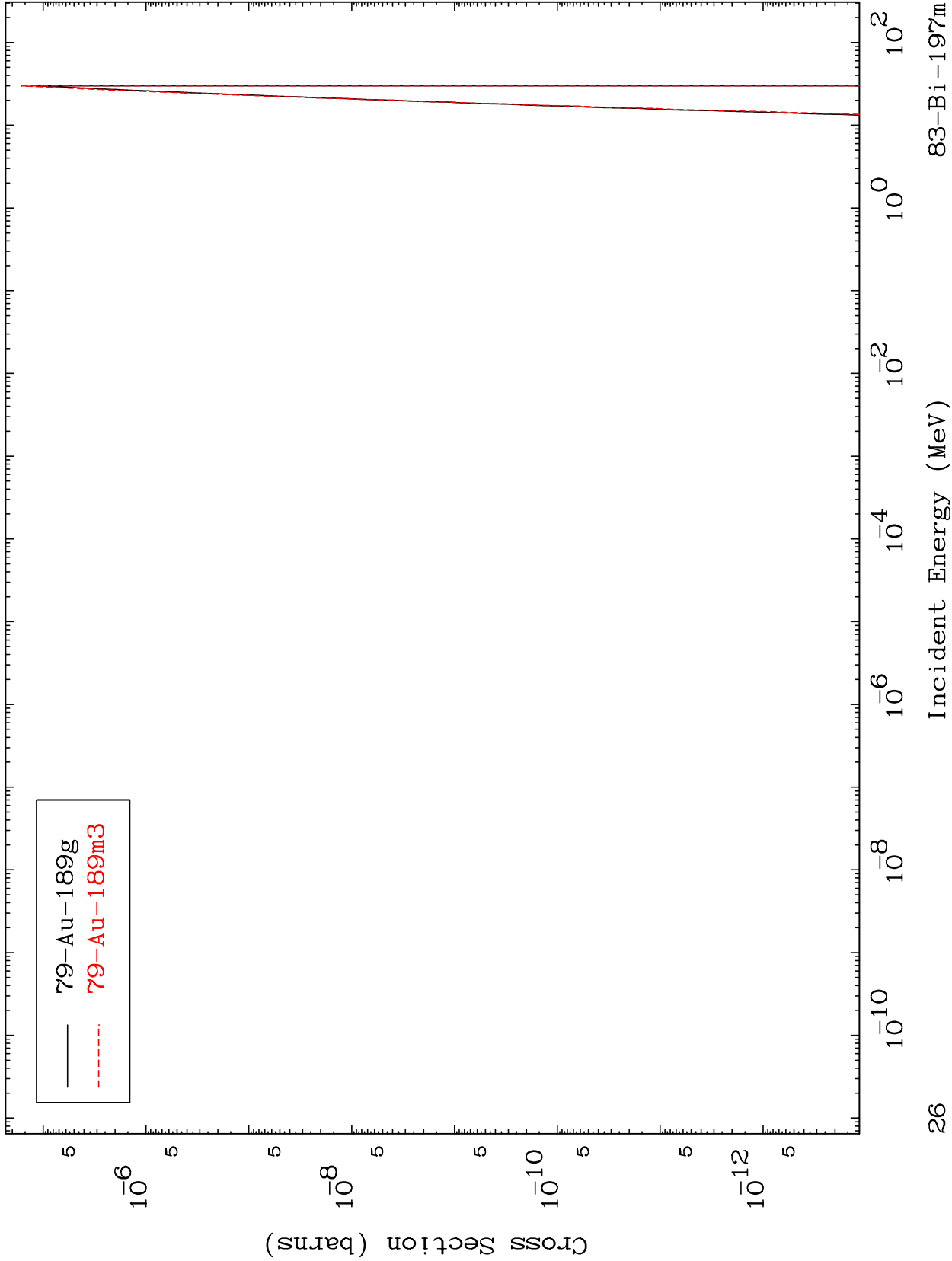


MAT 8290

(n,n') 2 $\alpha$

83-Bi-197m

Radionuclide Production Cross Section

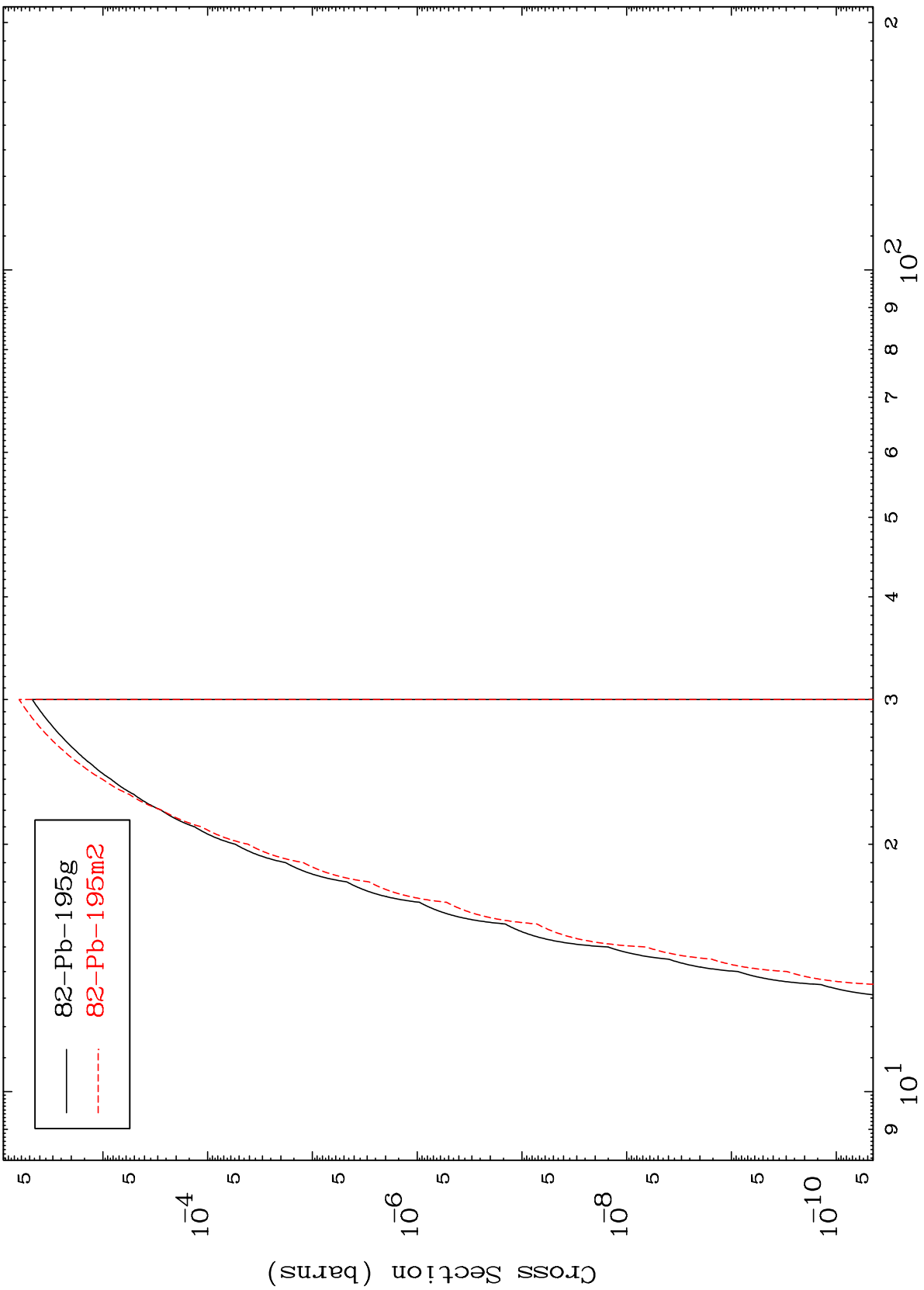


MAT 8290

(n,n') d

83-Bi-197m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

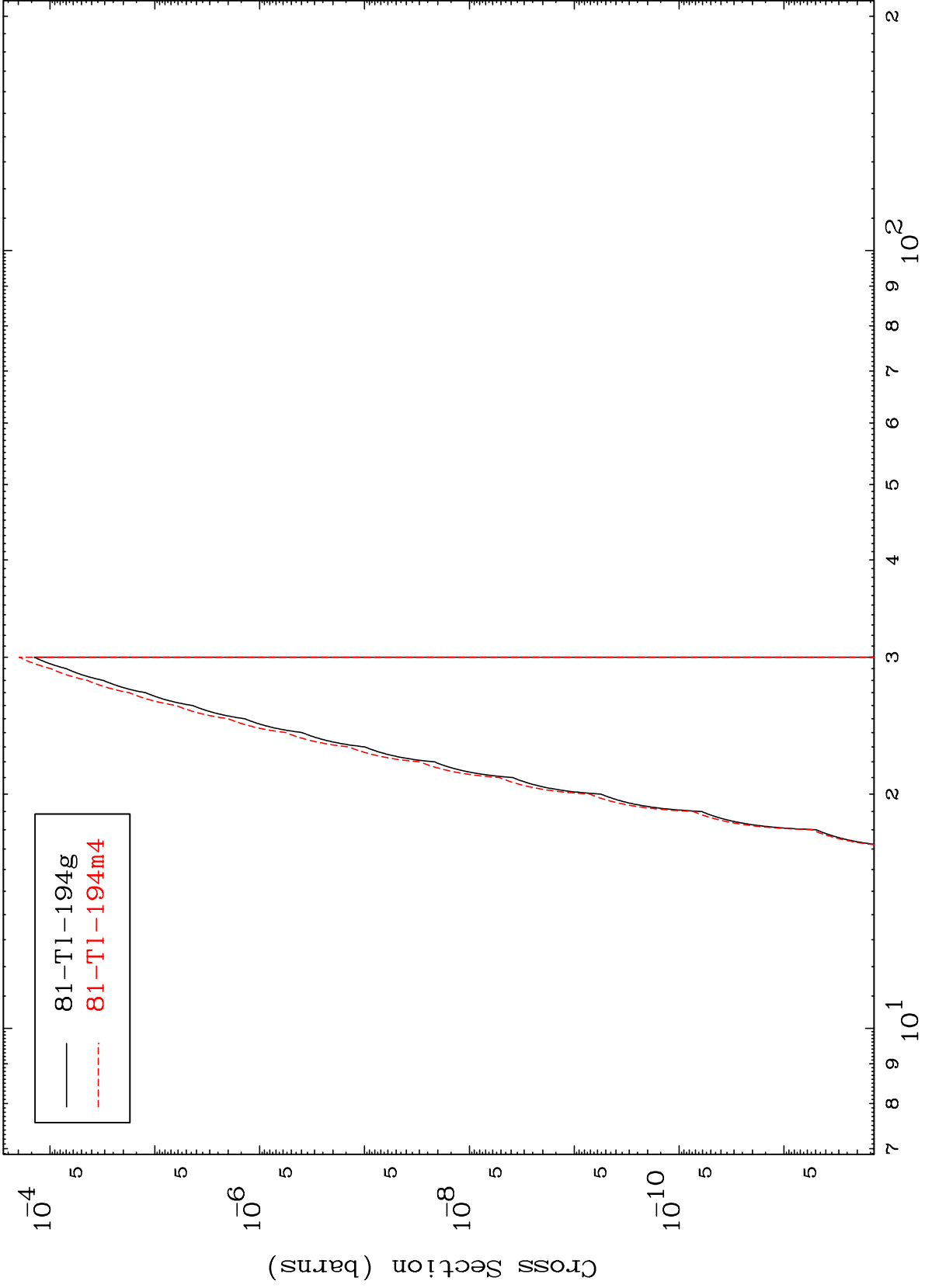
83-Bi-197m

MAT 8290

(n,n') He-3

83-Bi-197m

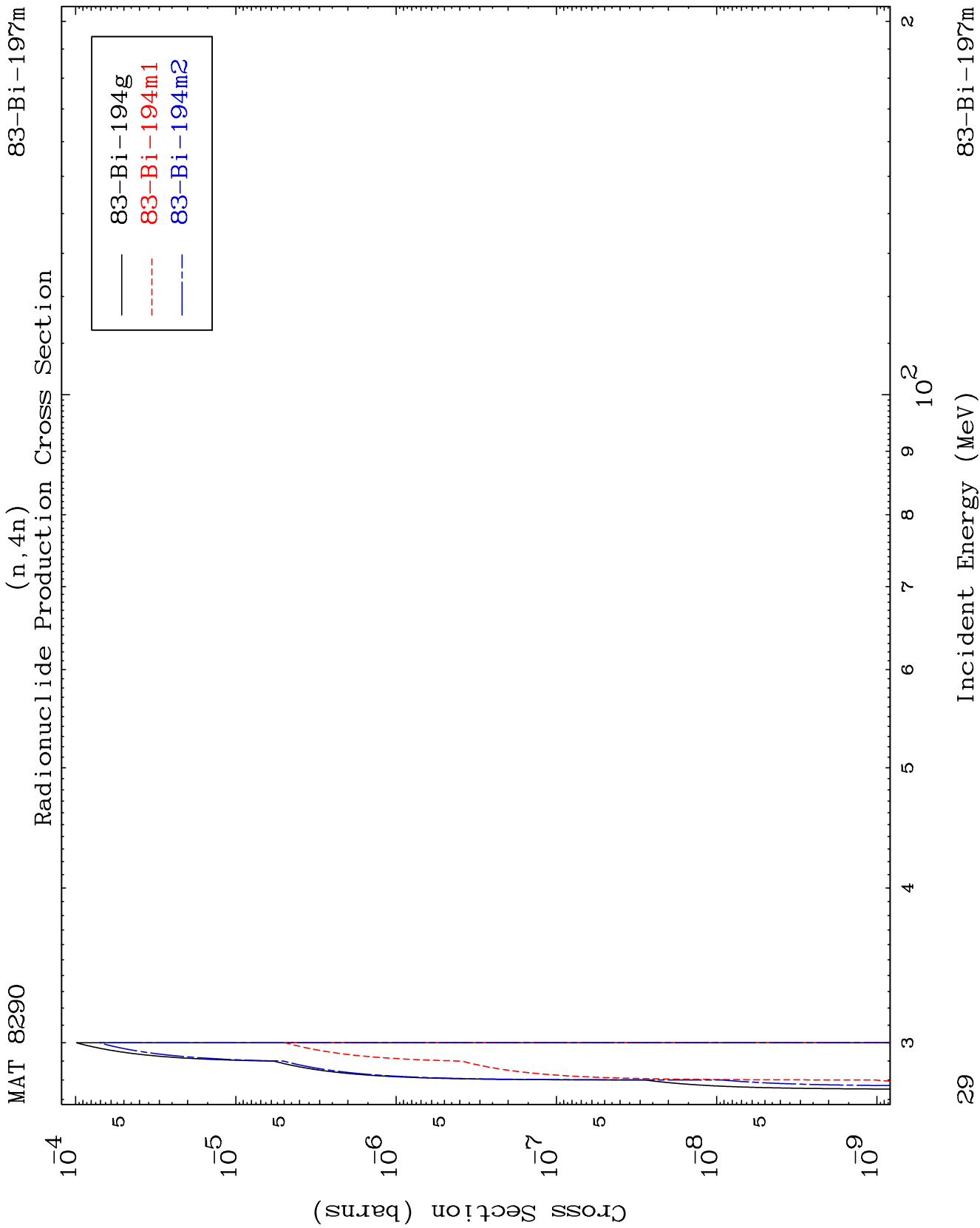
Radionuclide Production Cross Section



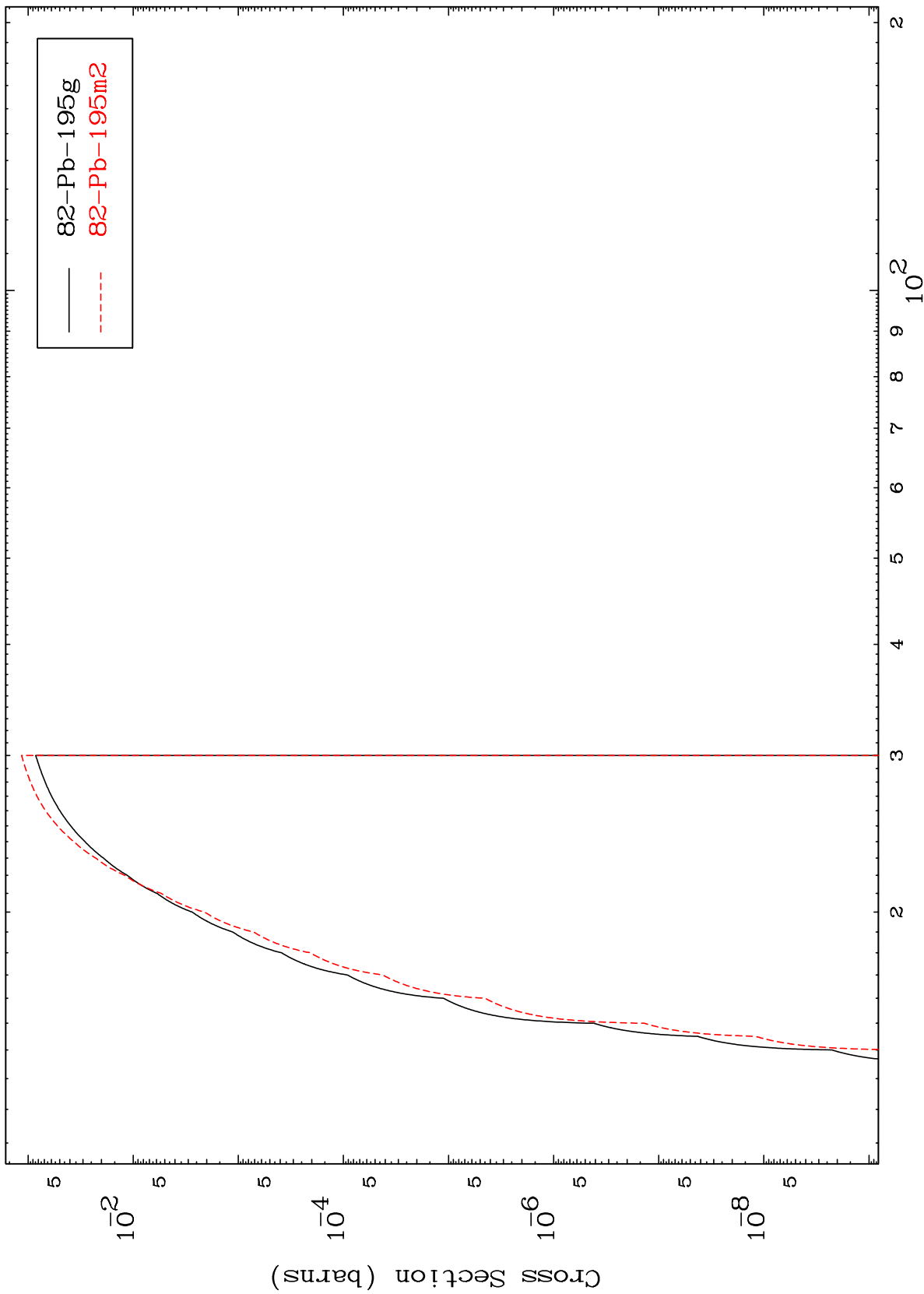
28

Incident Energy (MeV)

83-Bi-197m



Radionuclide Production Cross Section

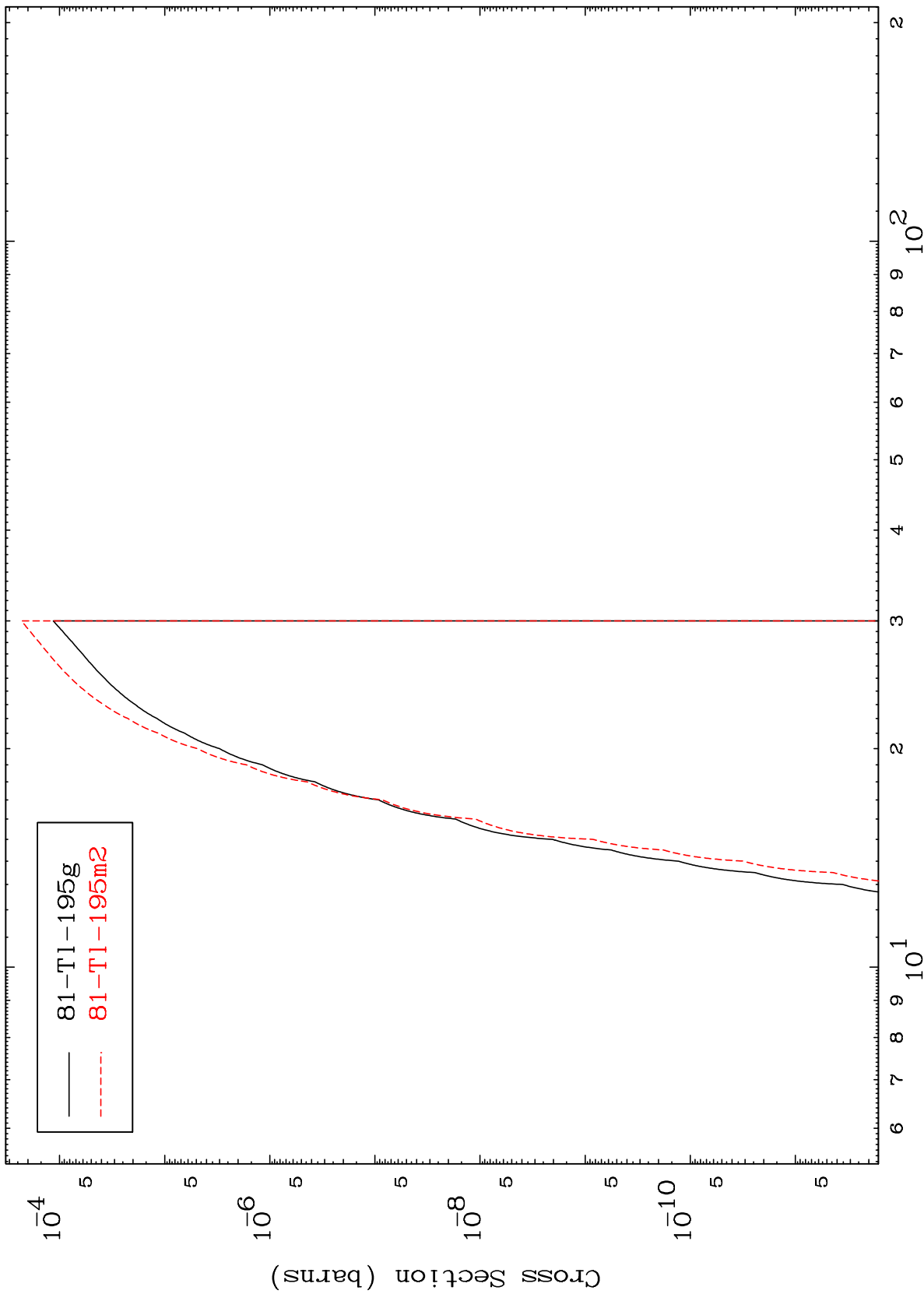


MAT 8290

(n,2n) p

83-Bi-197m

Radionuclide Production Cross Section

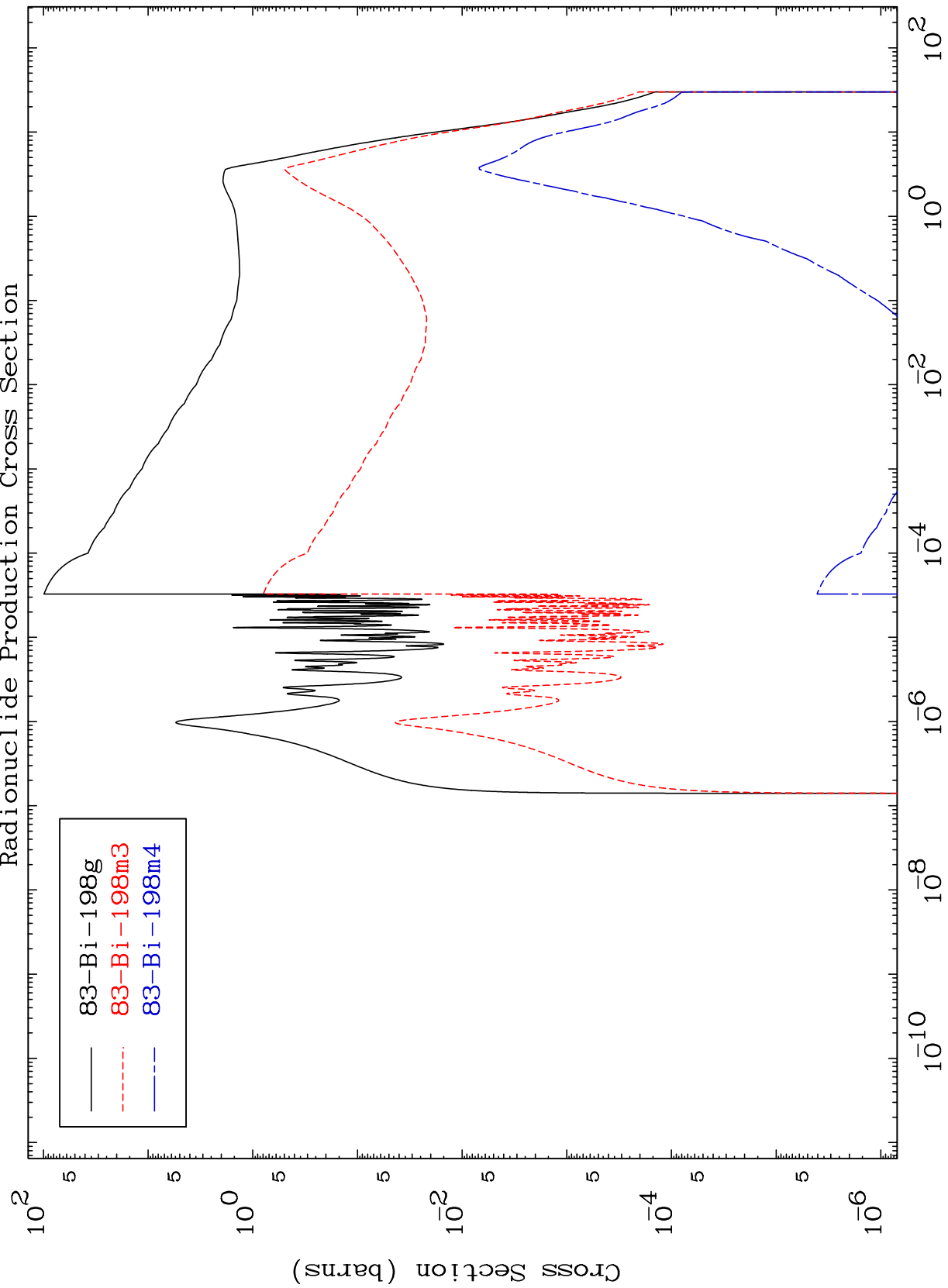




MAT 8290

83-Bi-197m

Radionuclide Production Cross Section

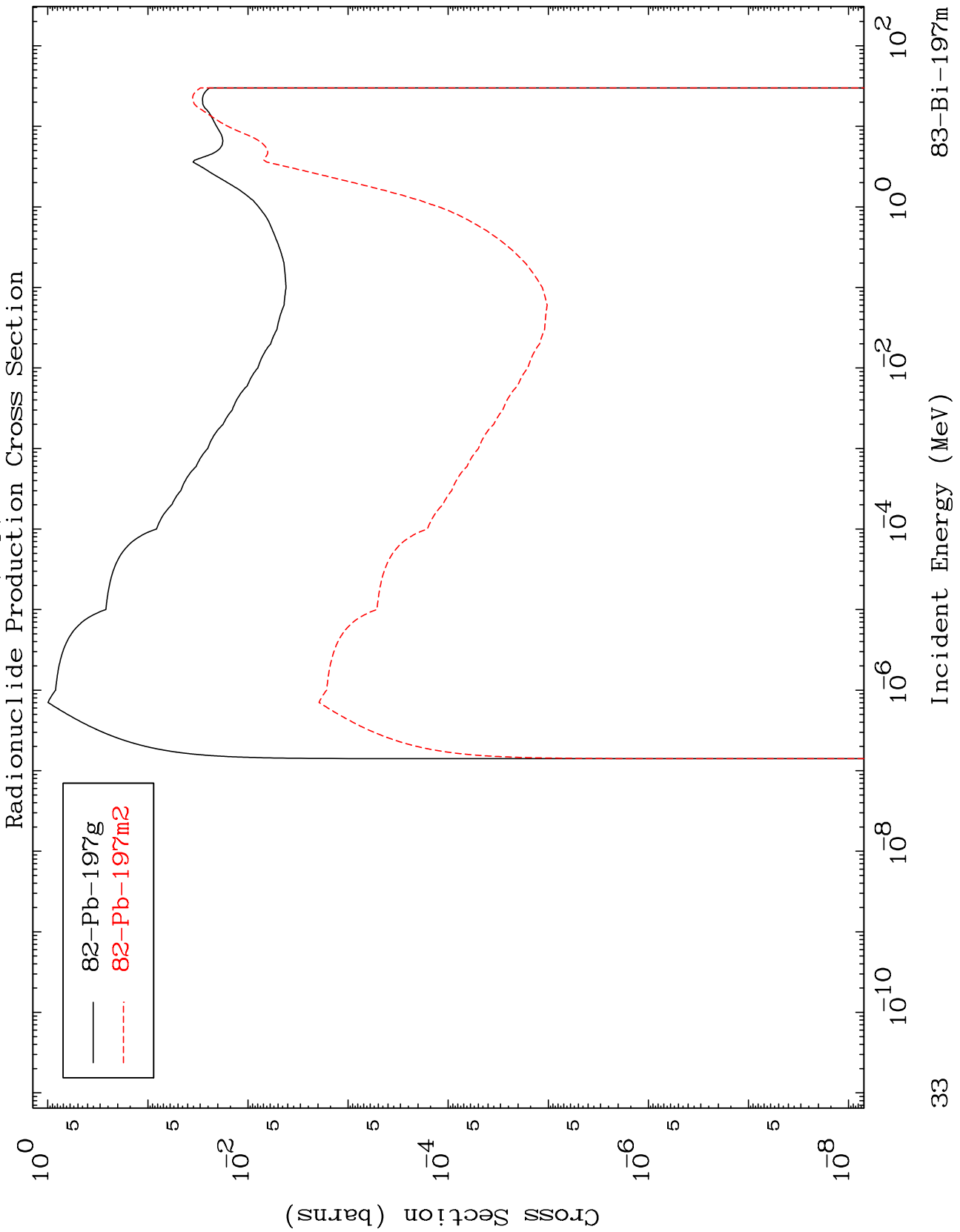


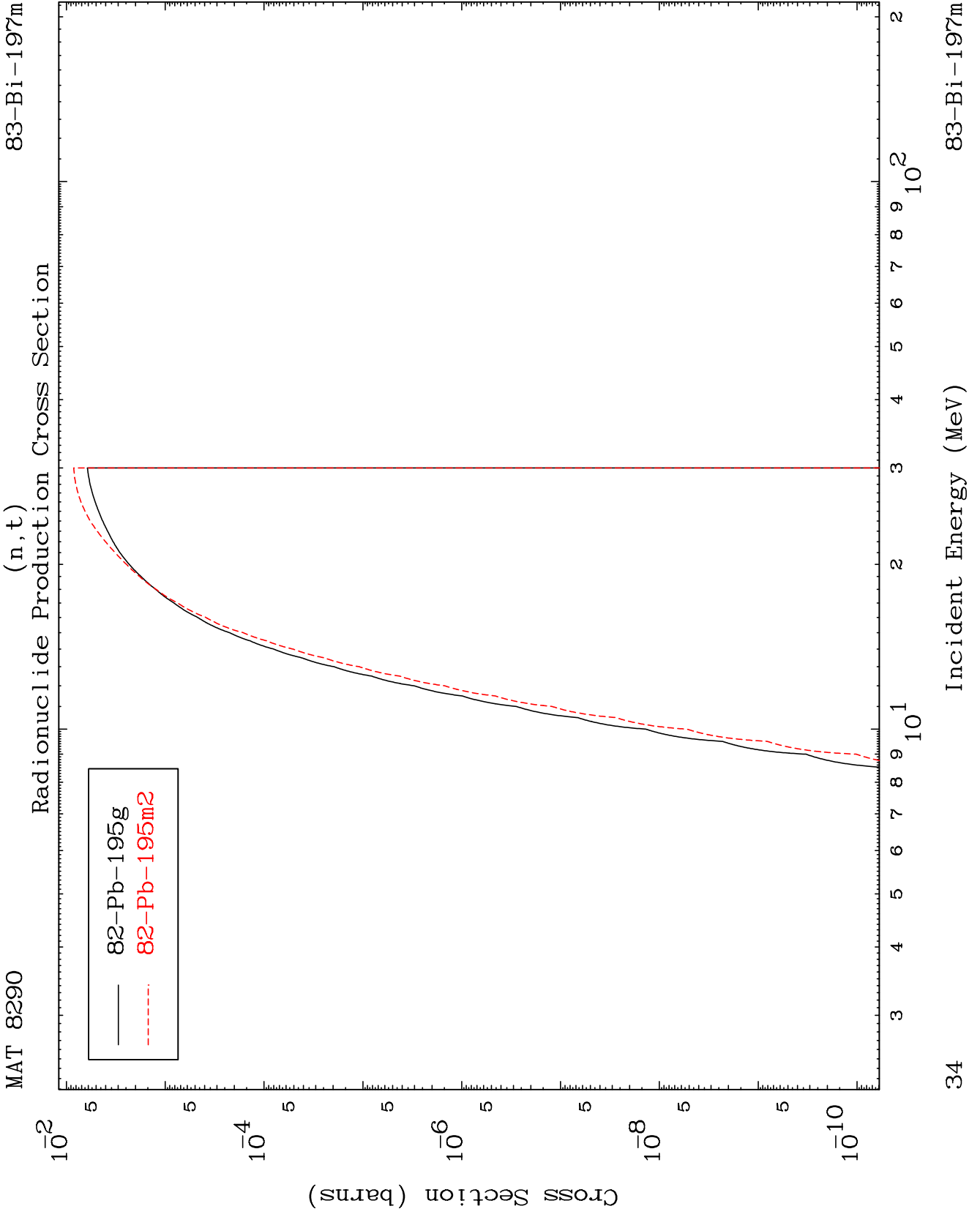
Incident Energy (MeV)

83-Bi-197m

MAT 8290

83-Bi-197m



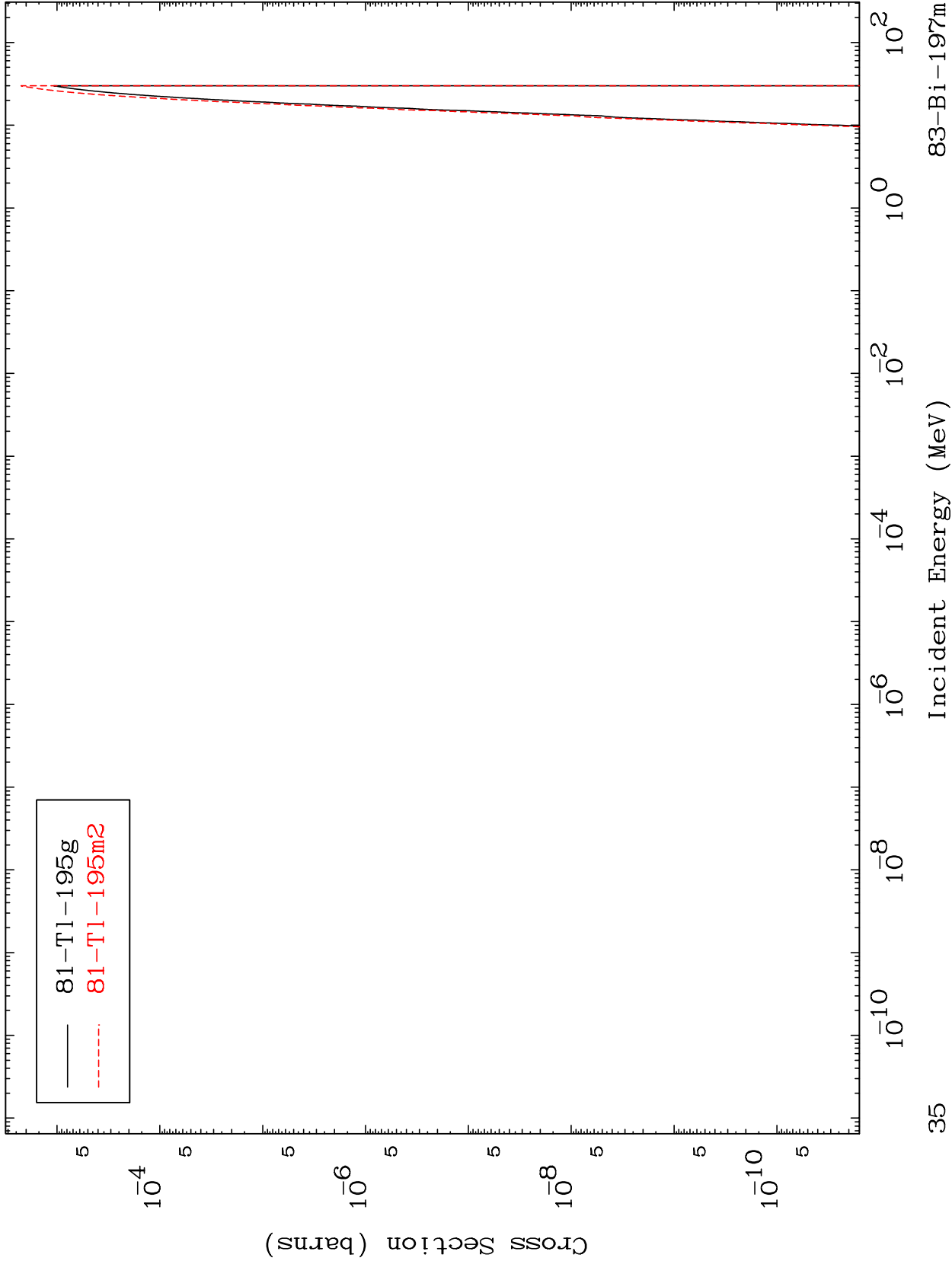


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(n,He-3)

83-Bi-197m

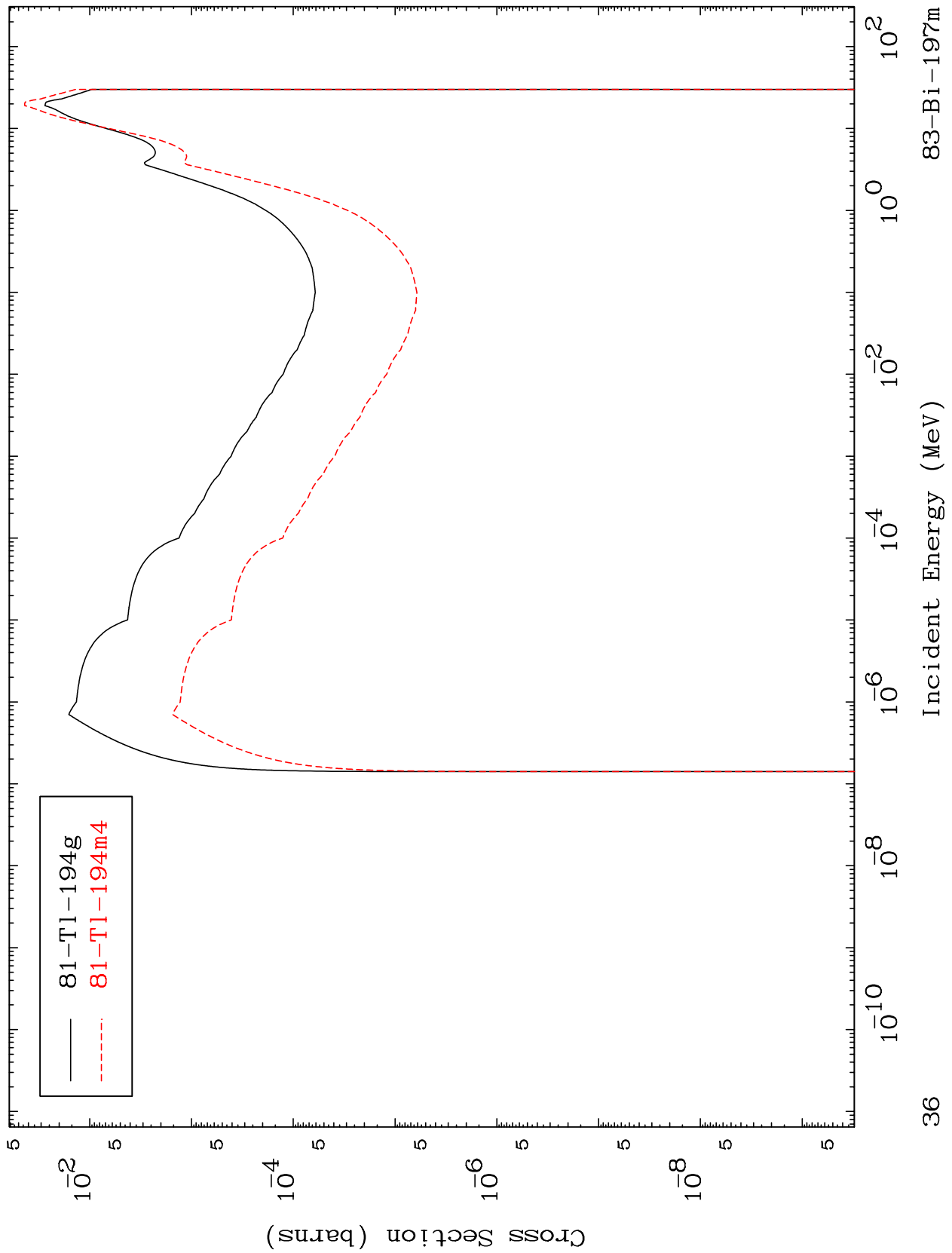
Radionuclide Production Cross Section



MAT 8290

83-Bi-197m

Radionuclide Production Cross Section

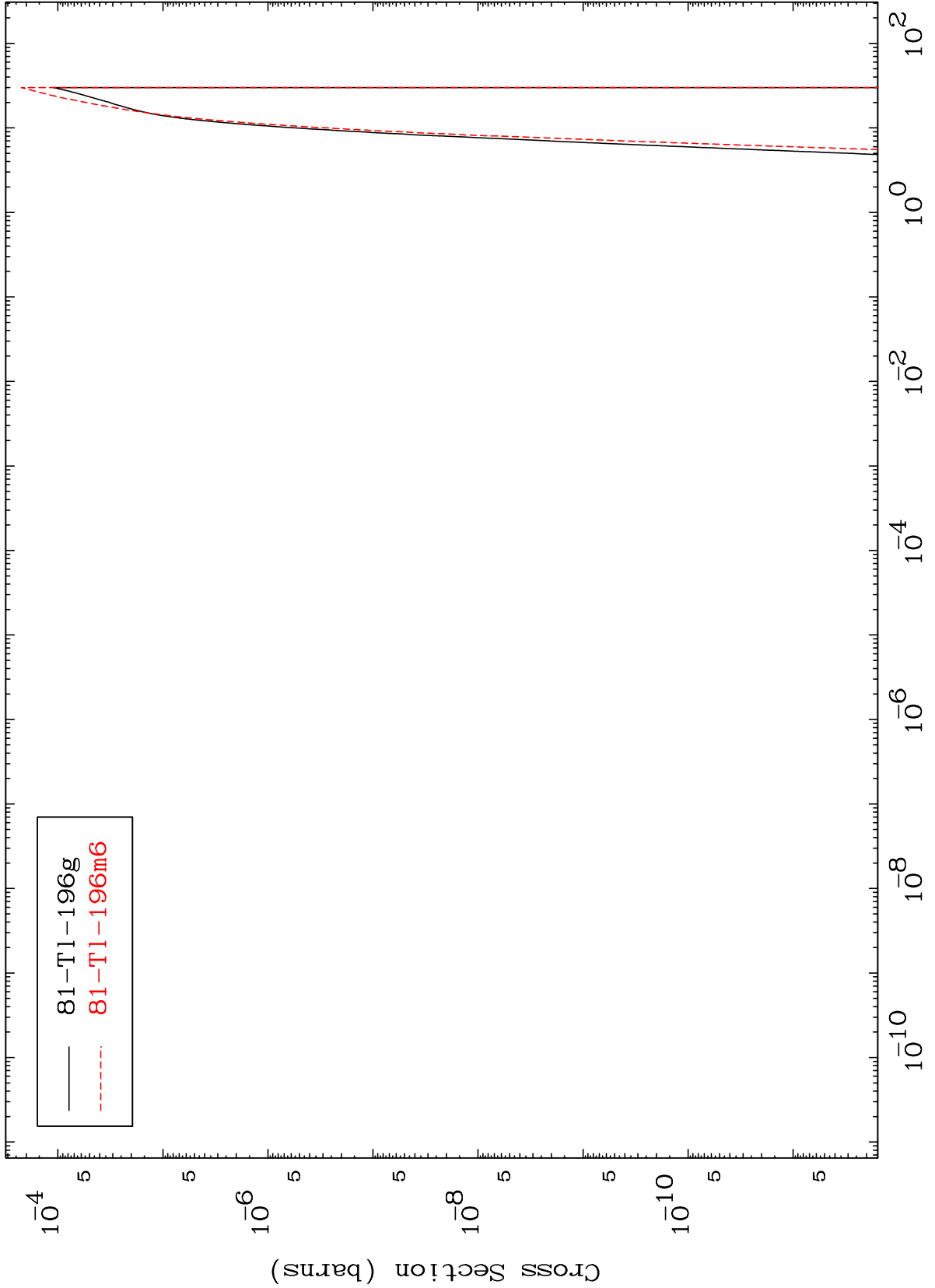


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(n,2p)

83-Bi-197m

Radionuclide Production Cross Section

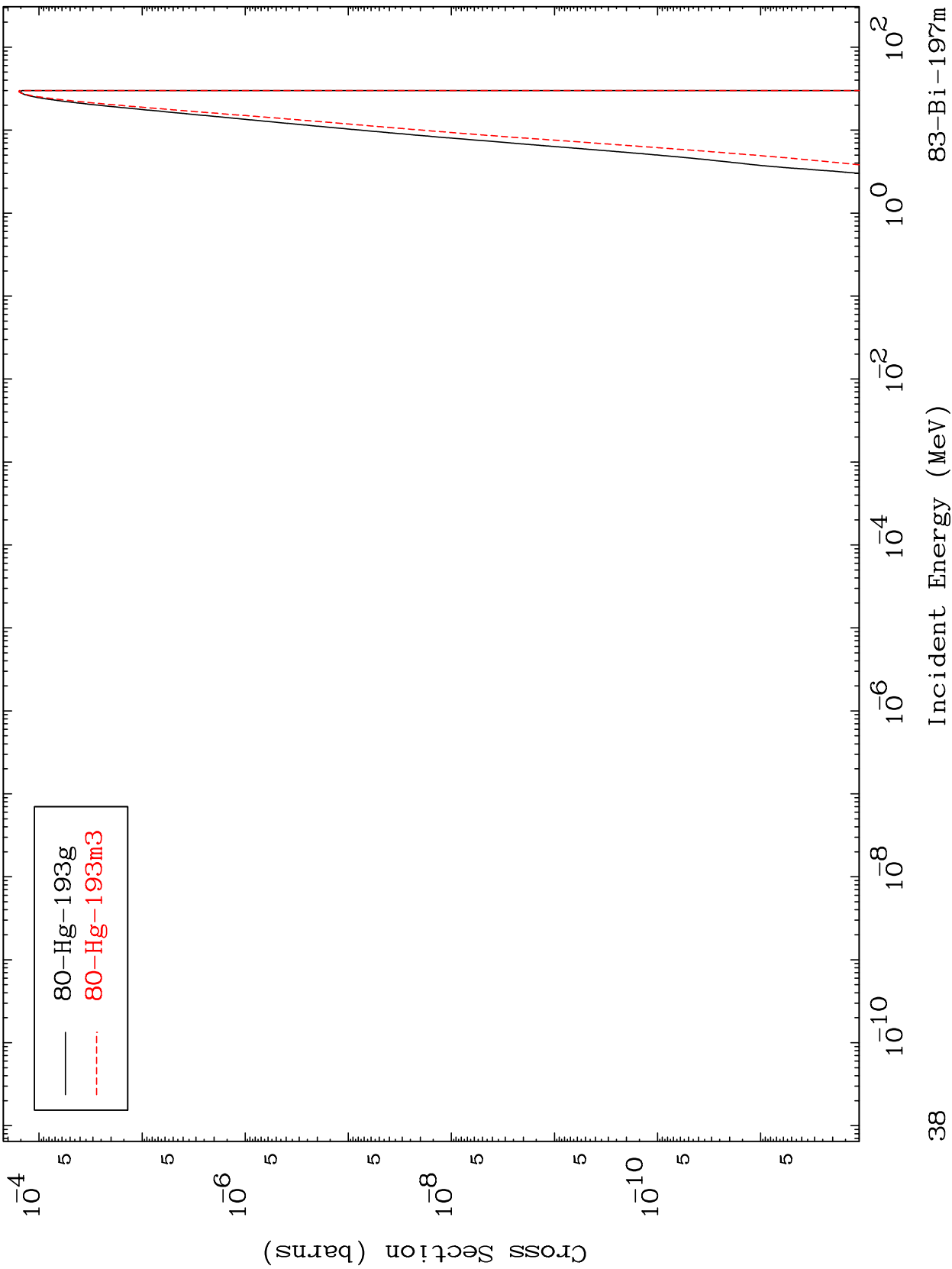


MAT 8290

(n,p)  $\alpha$

<sup>83</sup>Bi-197m

Radionuclide Production Cross Section

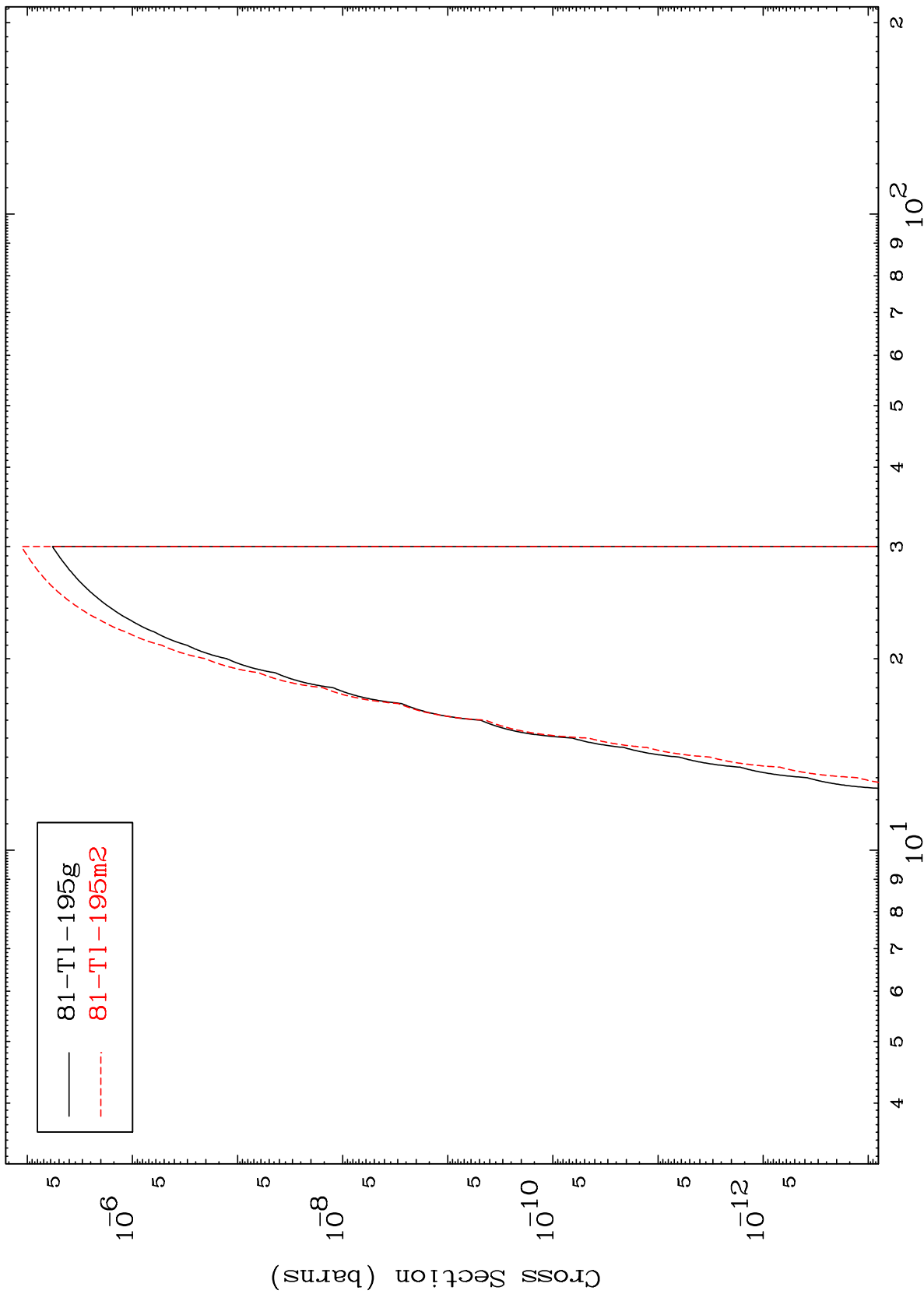


MAT 8290

(n,p) d

83-Bi-197m

Radionuclide Production Cross Section



39

Incident Energy (MeV)

83-Bi-197m

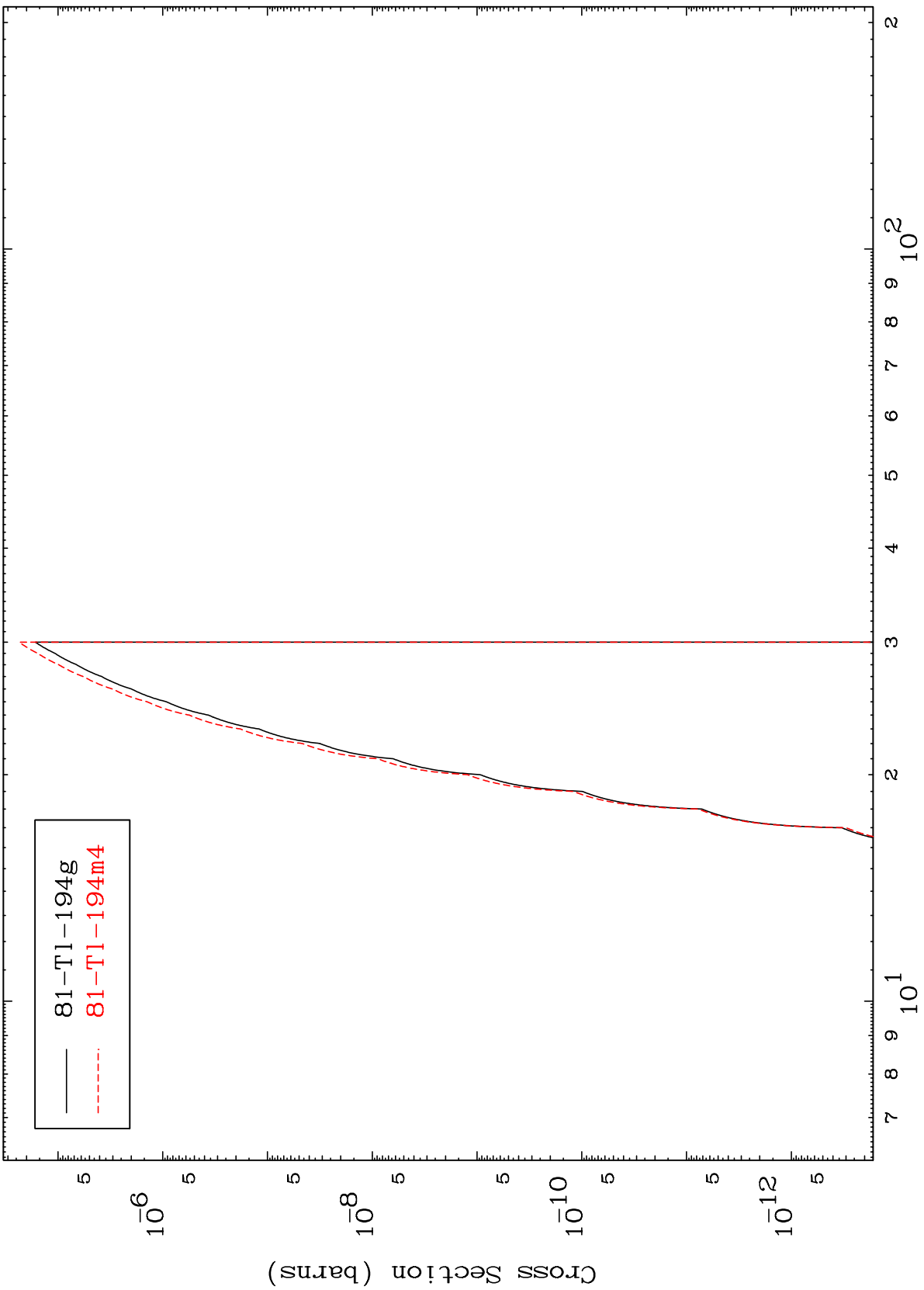


MAT 8290

(n,p) t

83-Bi-197m

Radionuclide Production Cross Section



40

Incident Energy (MeV)

83-Bi-197m