

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

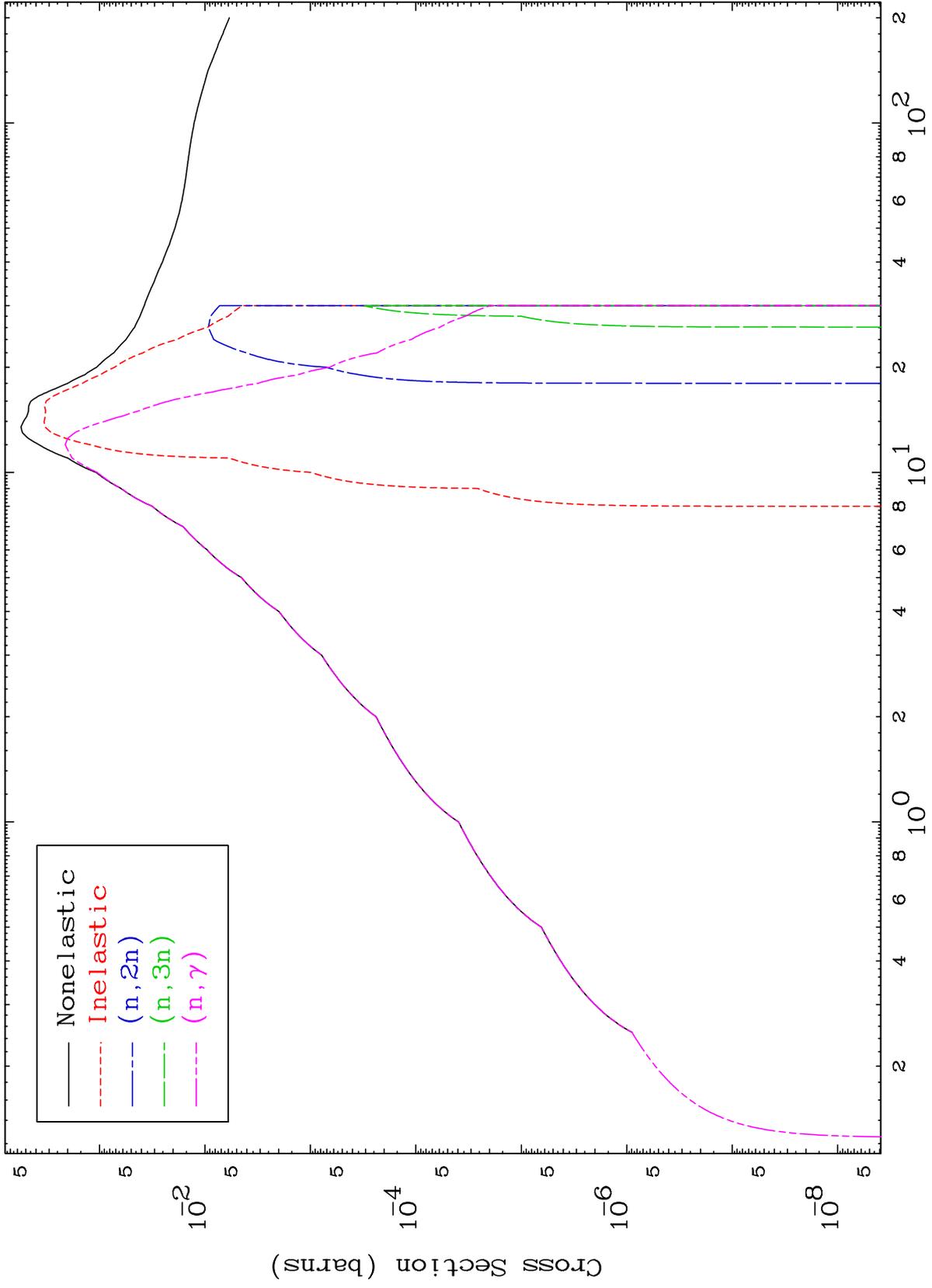
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8287

Photon Major
0 Kelvin Cross Sections

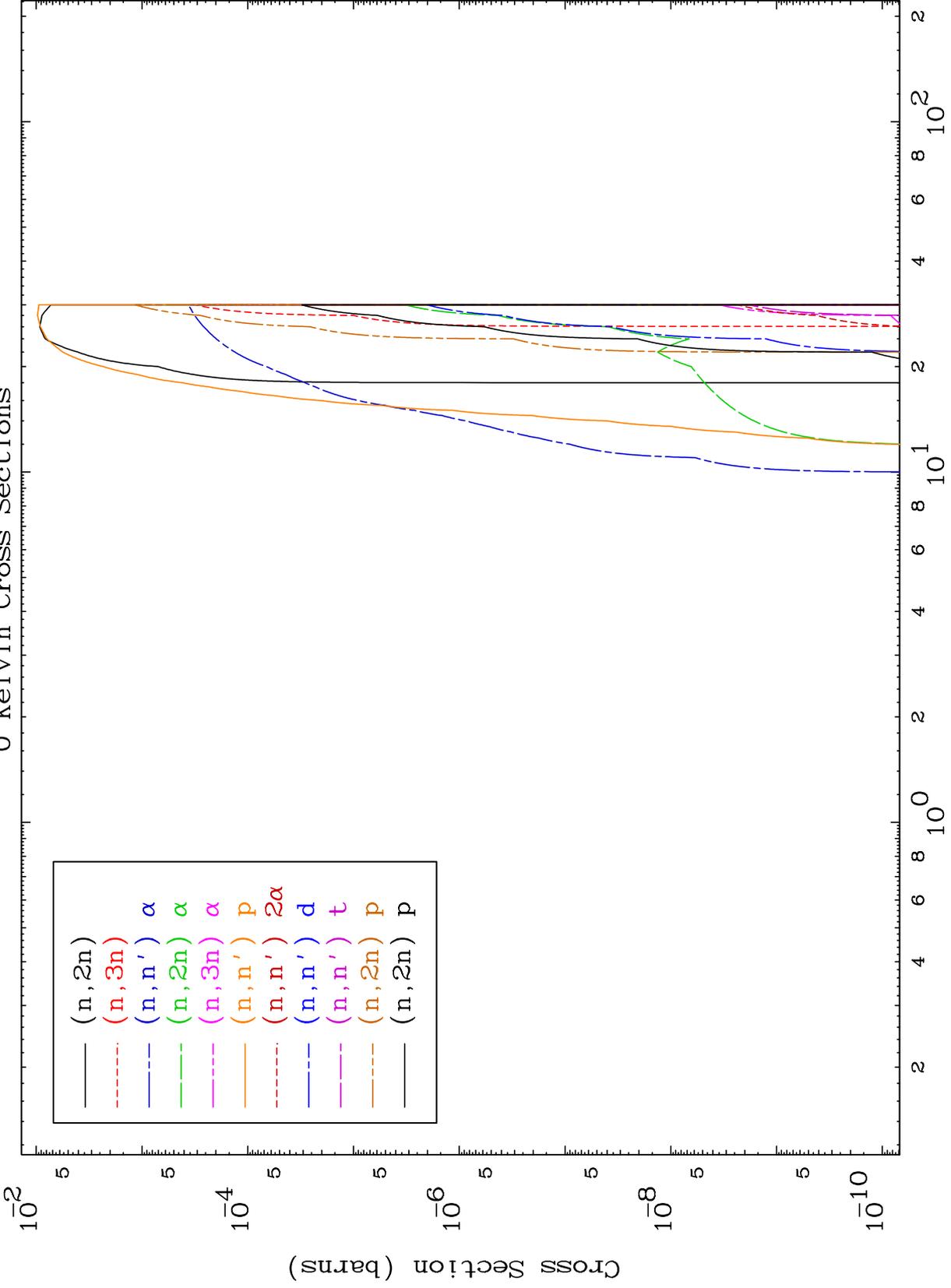
83-Bi-196m

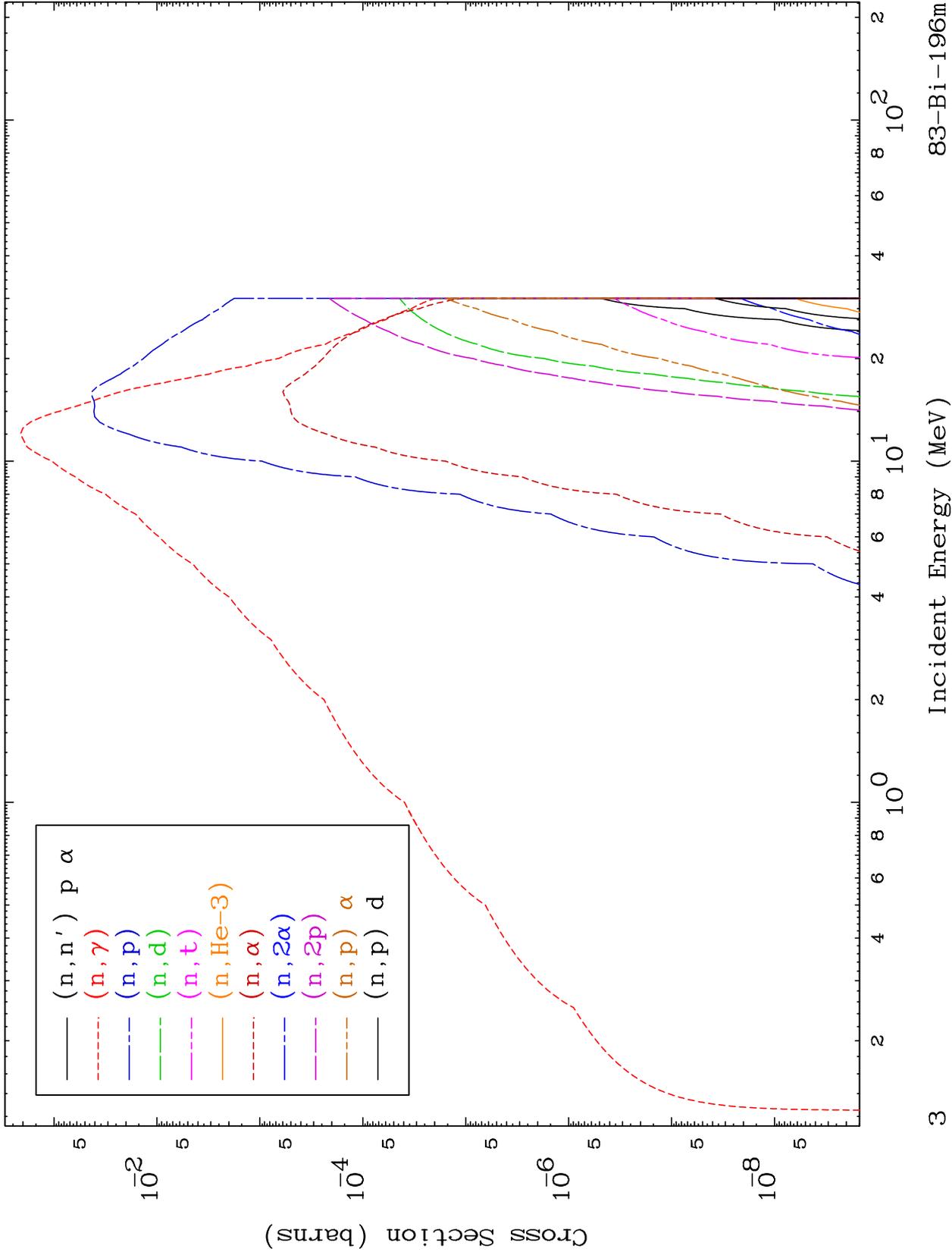


MAT 8287

Photon Neutron Absorption
0 Kelvin Cross Sections

83-Bi-196m

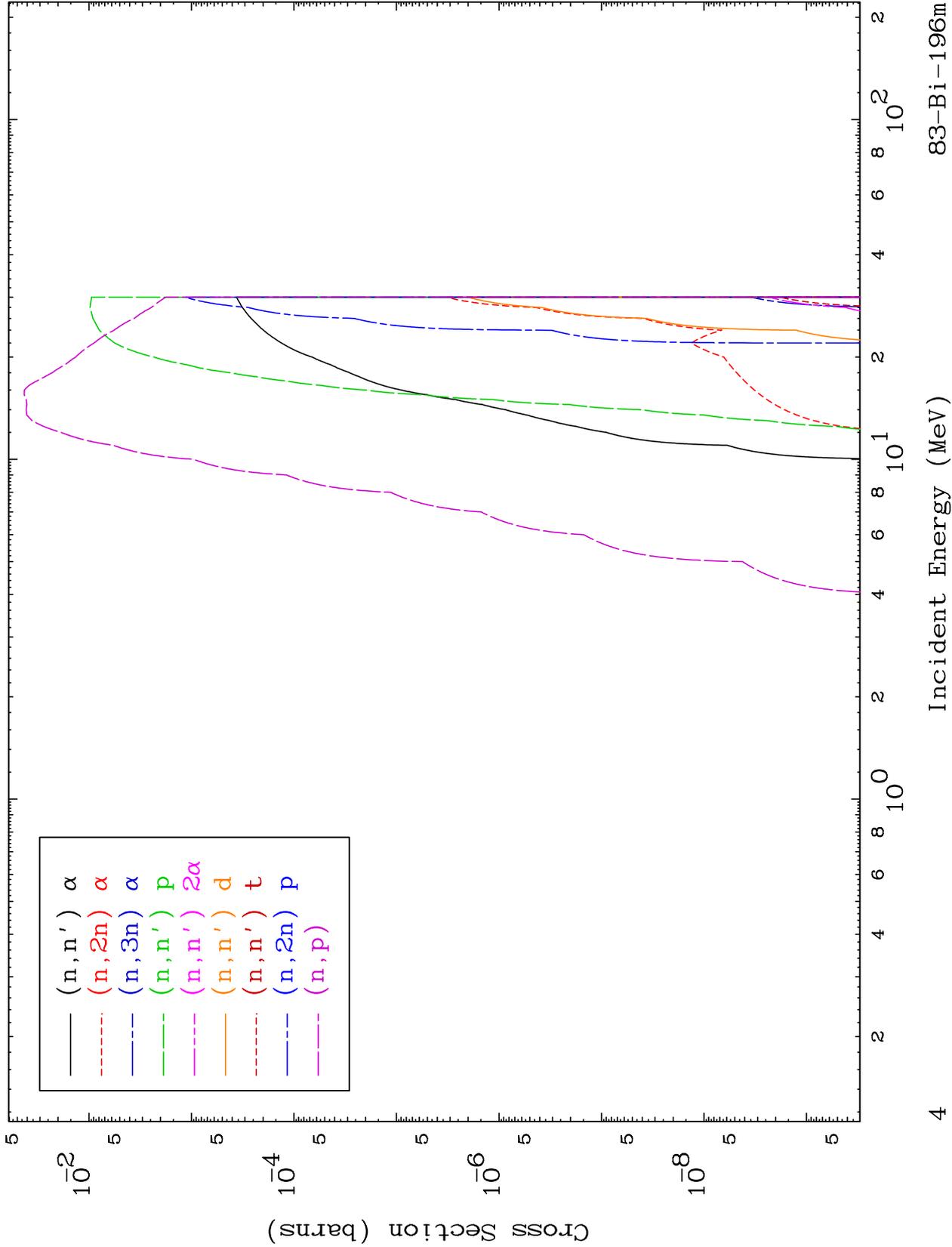


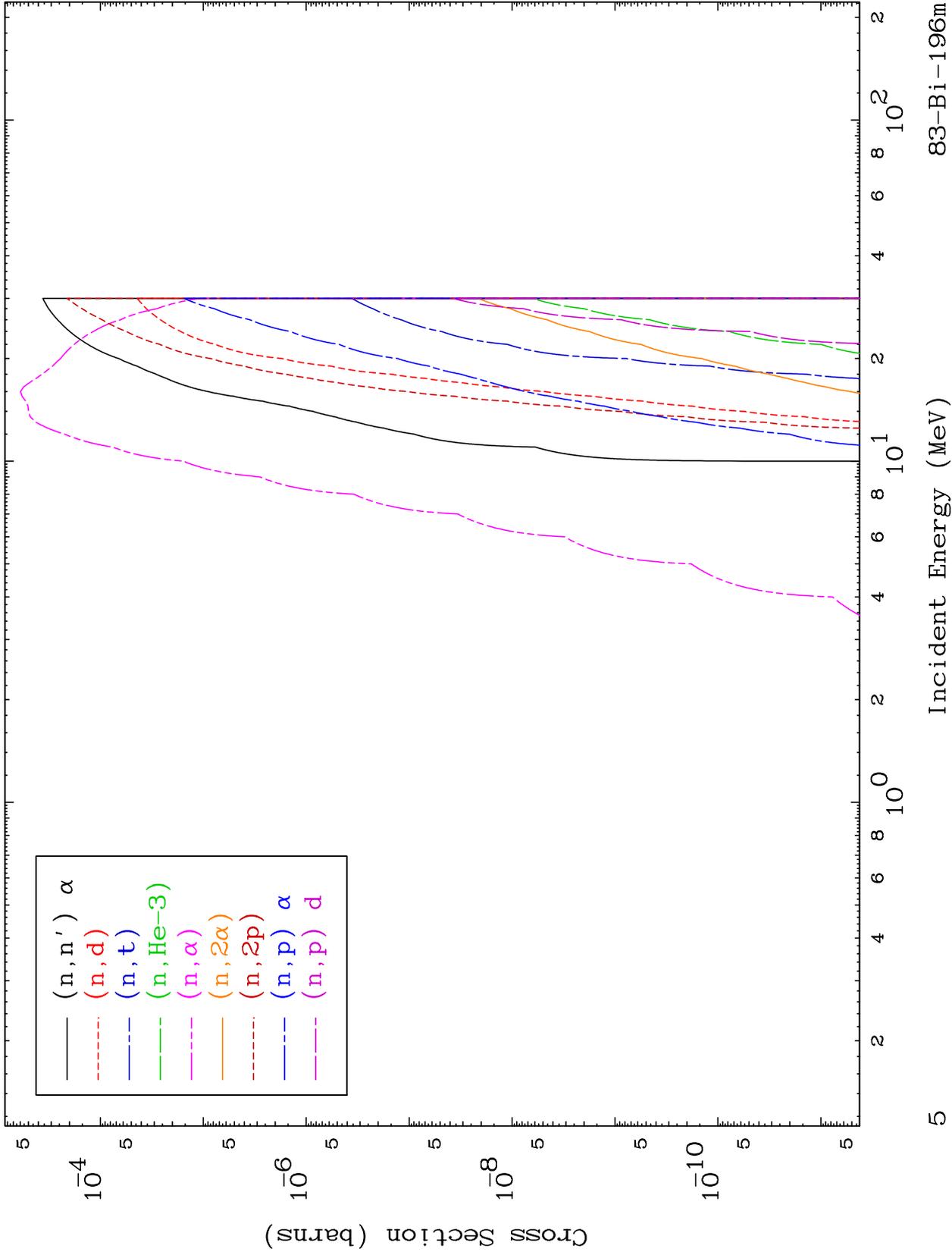


MAT 8287

Photon Charged Particle
0 Kelvin Cross Sections

83-Bi-196m



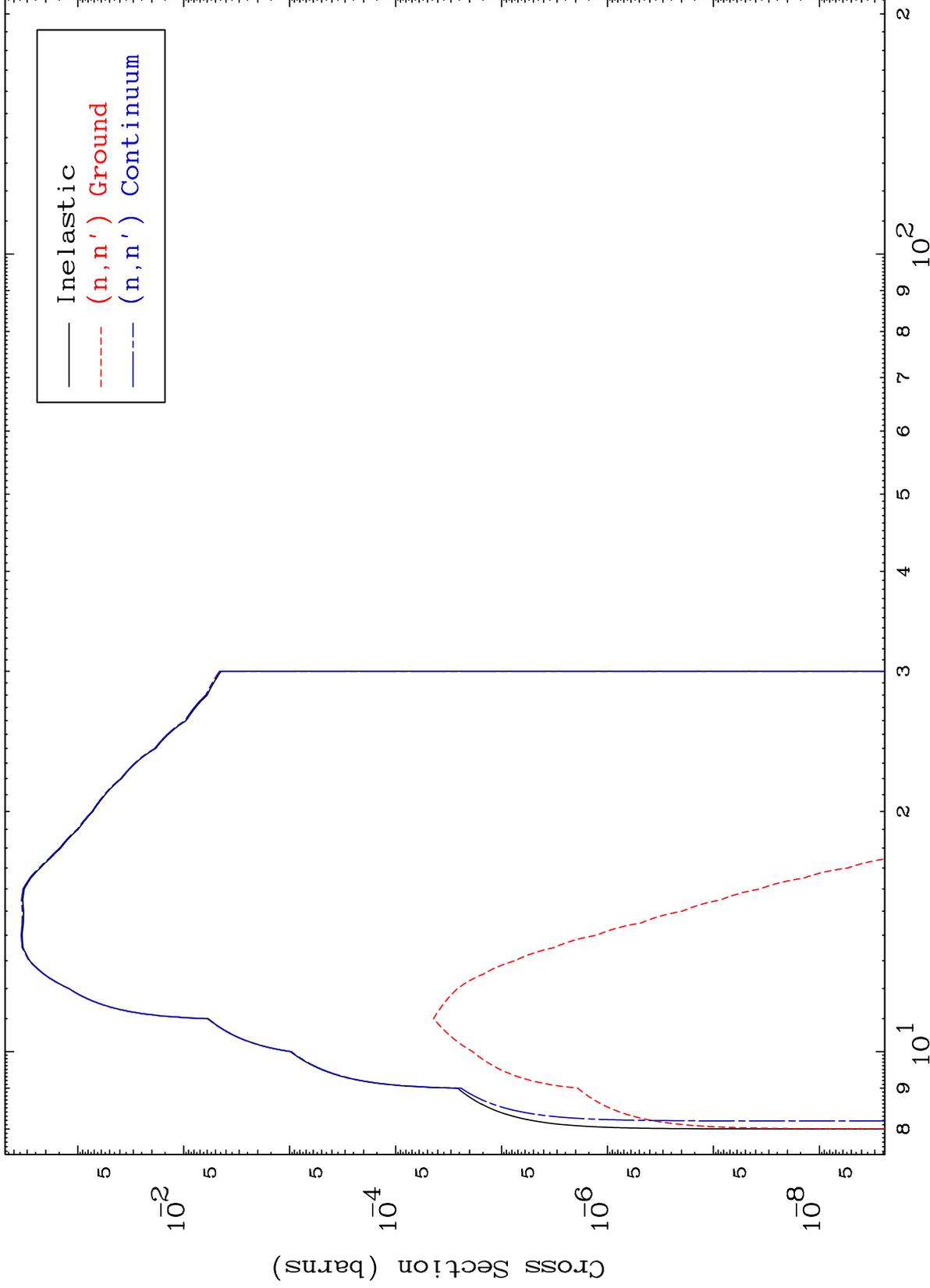


MAT 8287

(γ, n') Levels

83-Bi-196m

0 Kelvin Cross Sections



Incident Energy (MeV)

83-Bi-196m

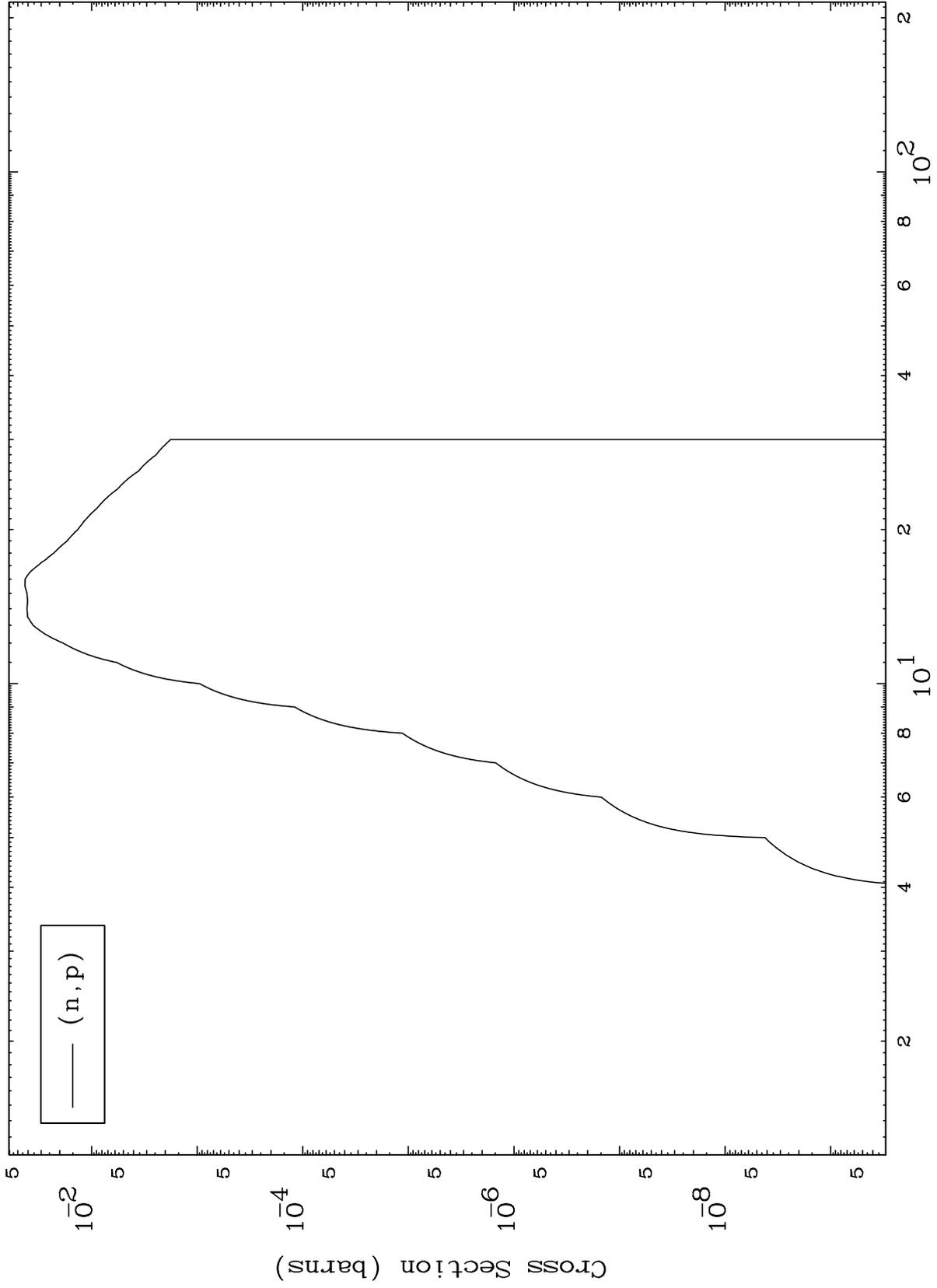
6

MAT 8287

(γ, p) Levels

83-Bi-196m

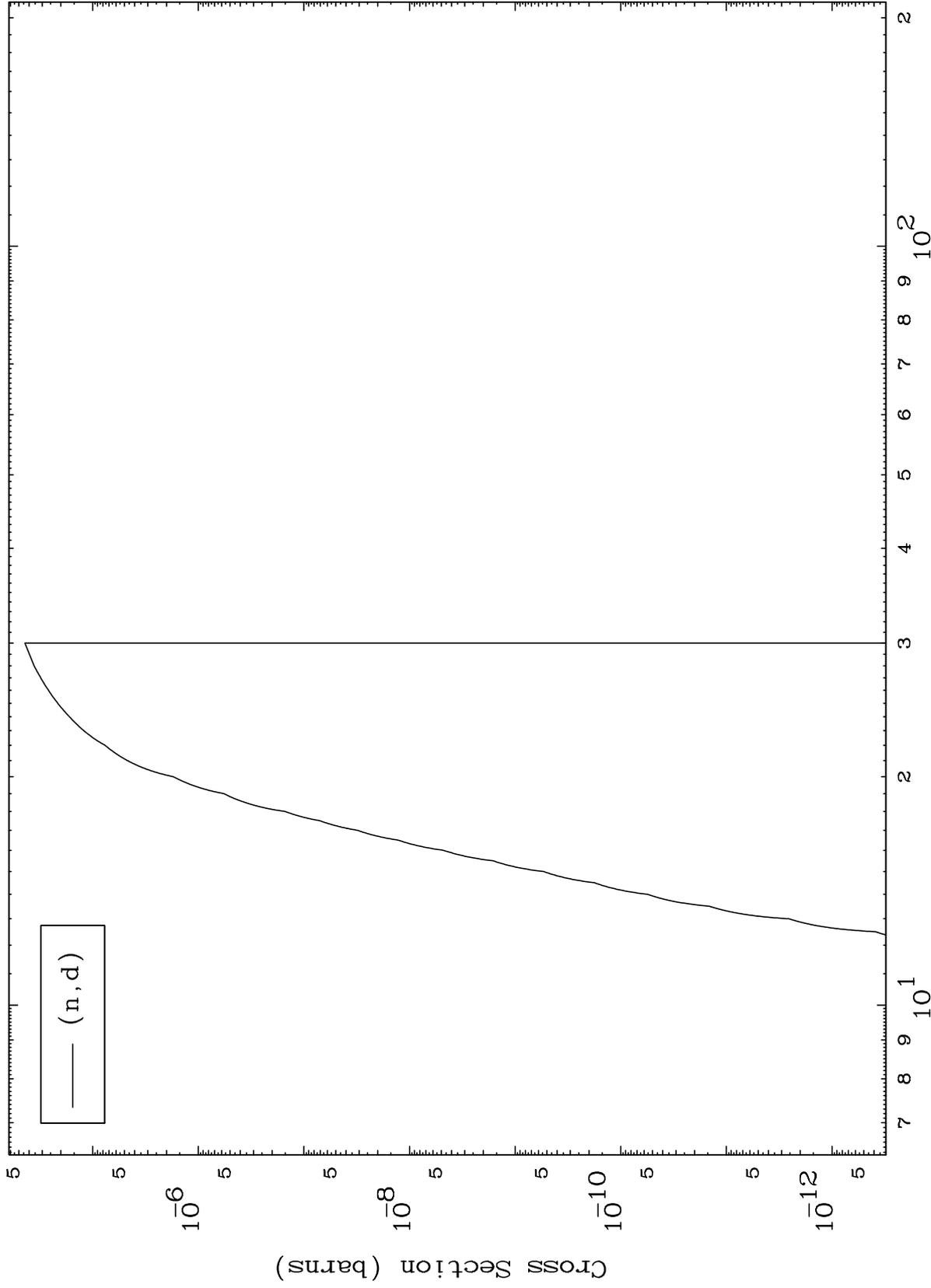
0 Kelvin Cross Sections



MAT 8287

(γ, d) Levels
0 Kelvin Cross Sections

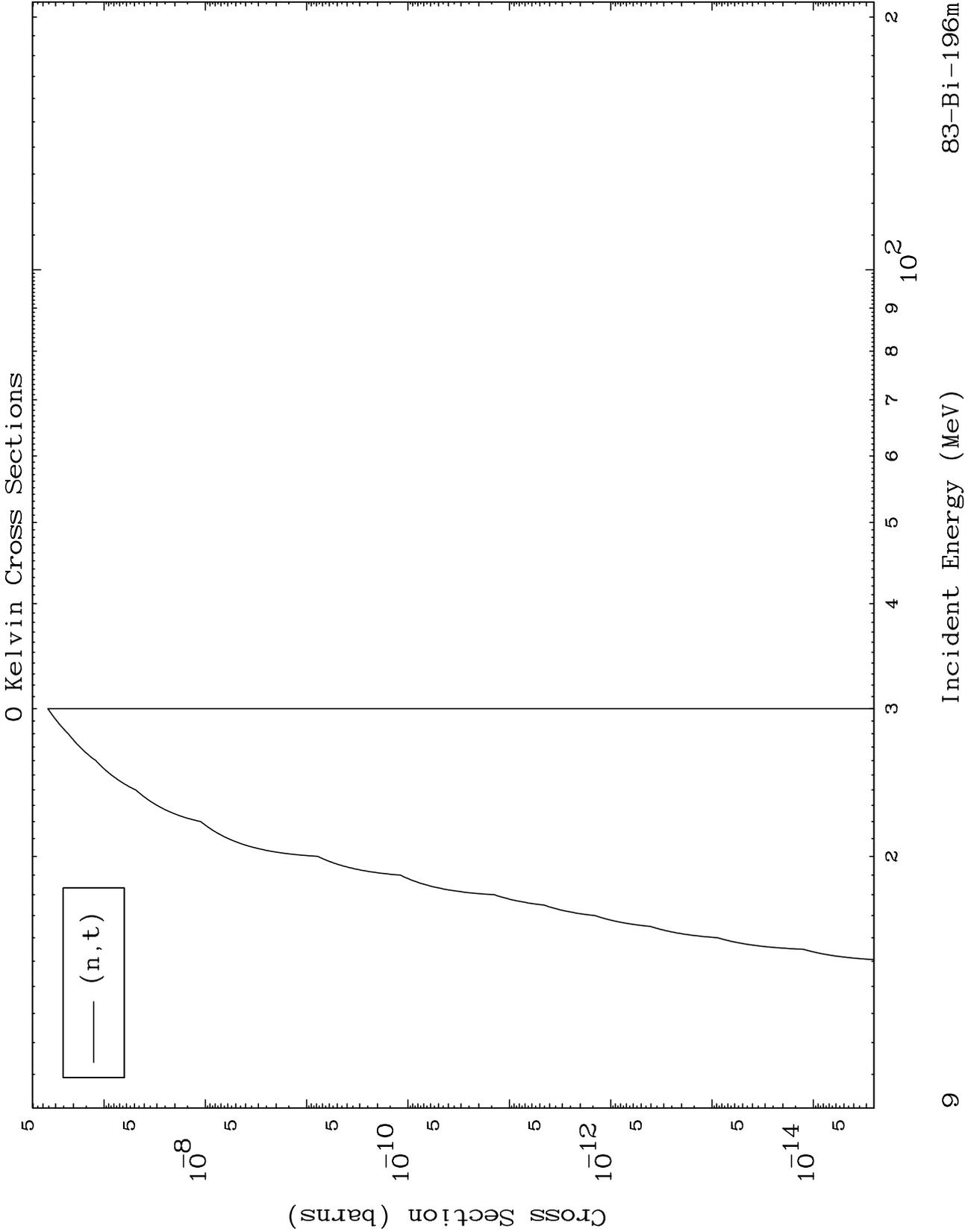
83-Bi-196m



8

Incident Energy (MeV)

83-Bi-196m

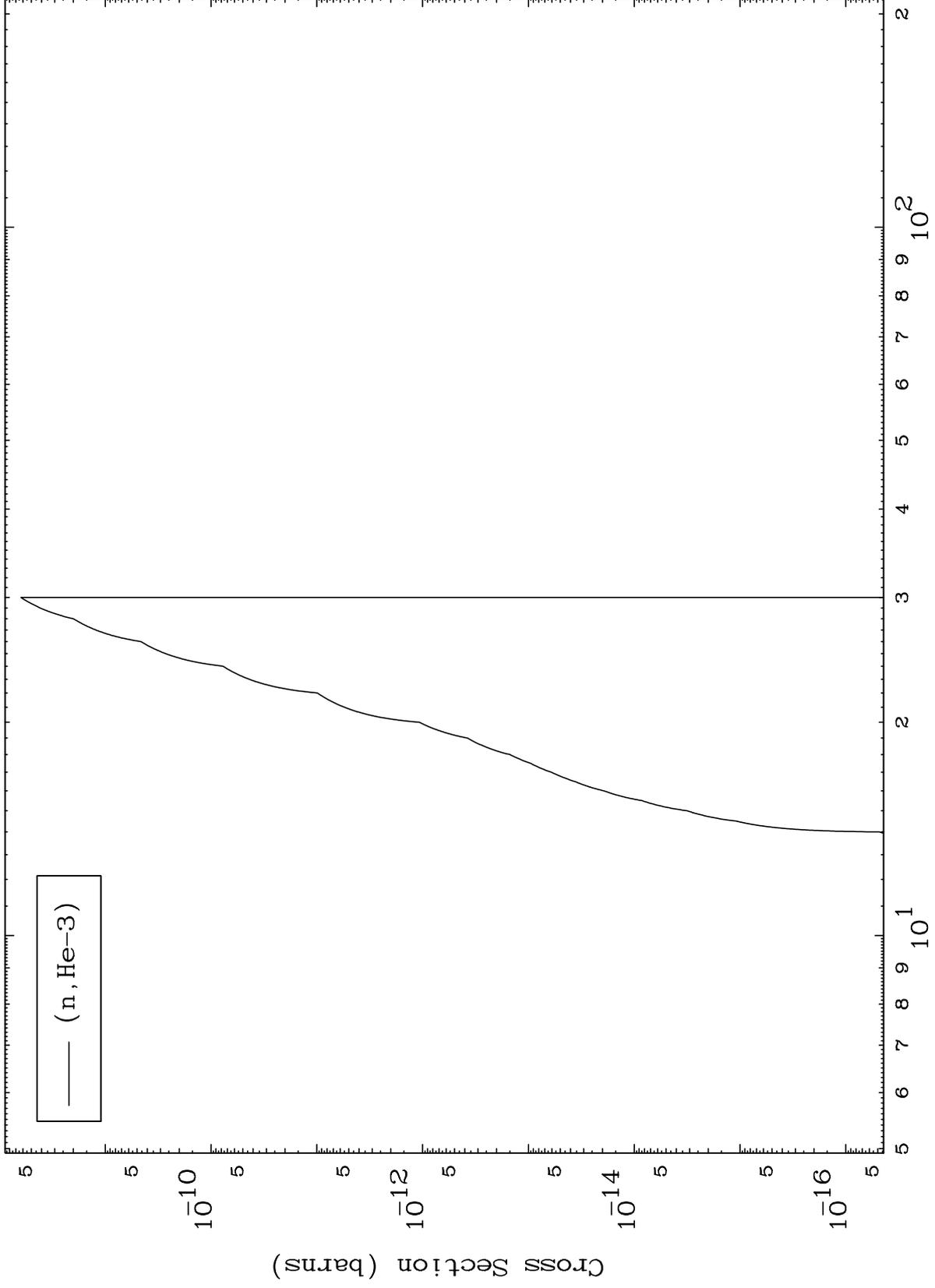


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($\gamma, \text{He}3$) Levels

83-Bi-196m

0 Kelvin Cross Sections



10

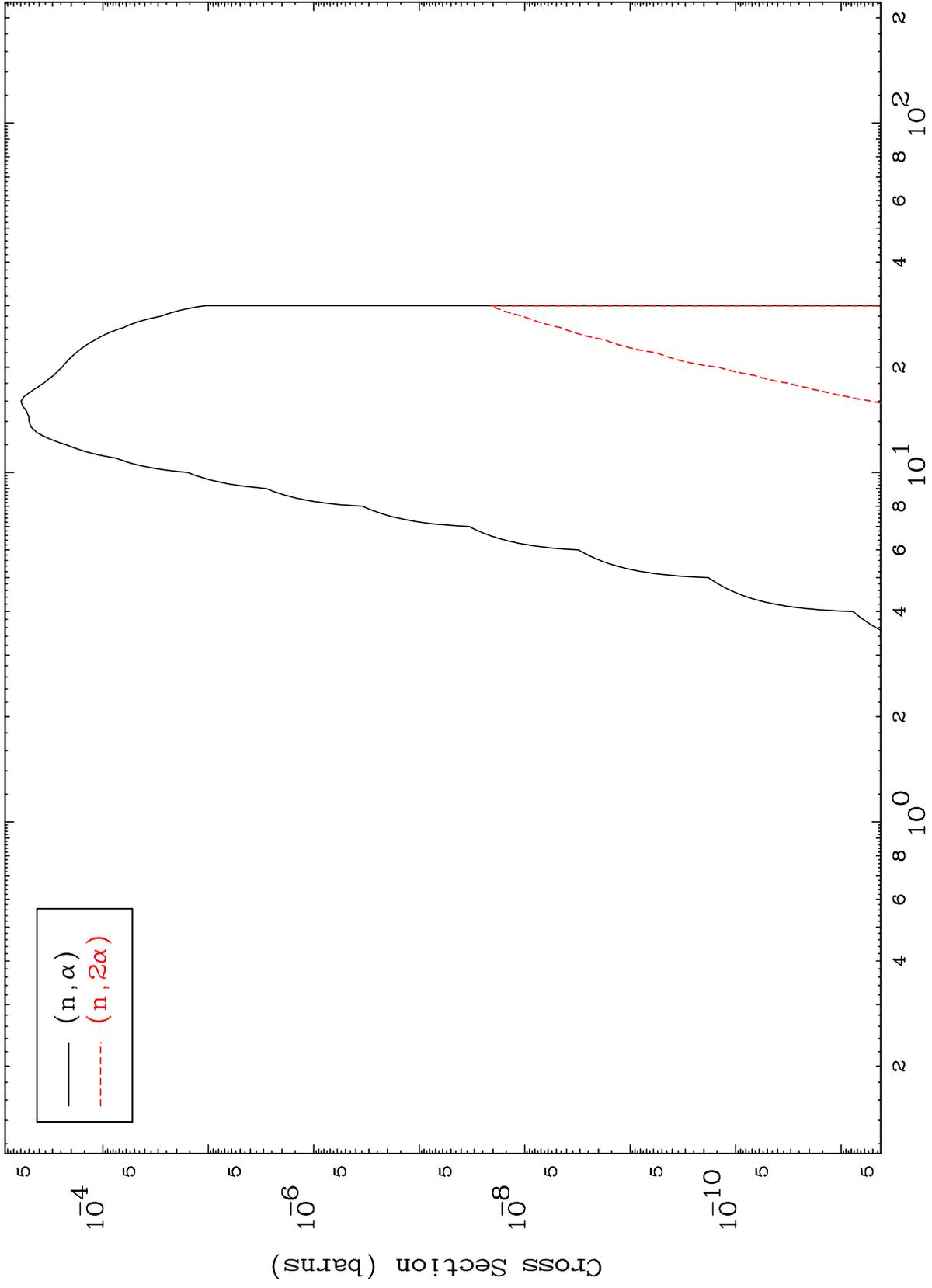
Incident Energy (MeV)

83-Bi-196m

MAT 8287

(γ, α) Levels
0 Kelvin Cross Sections

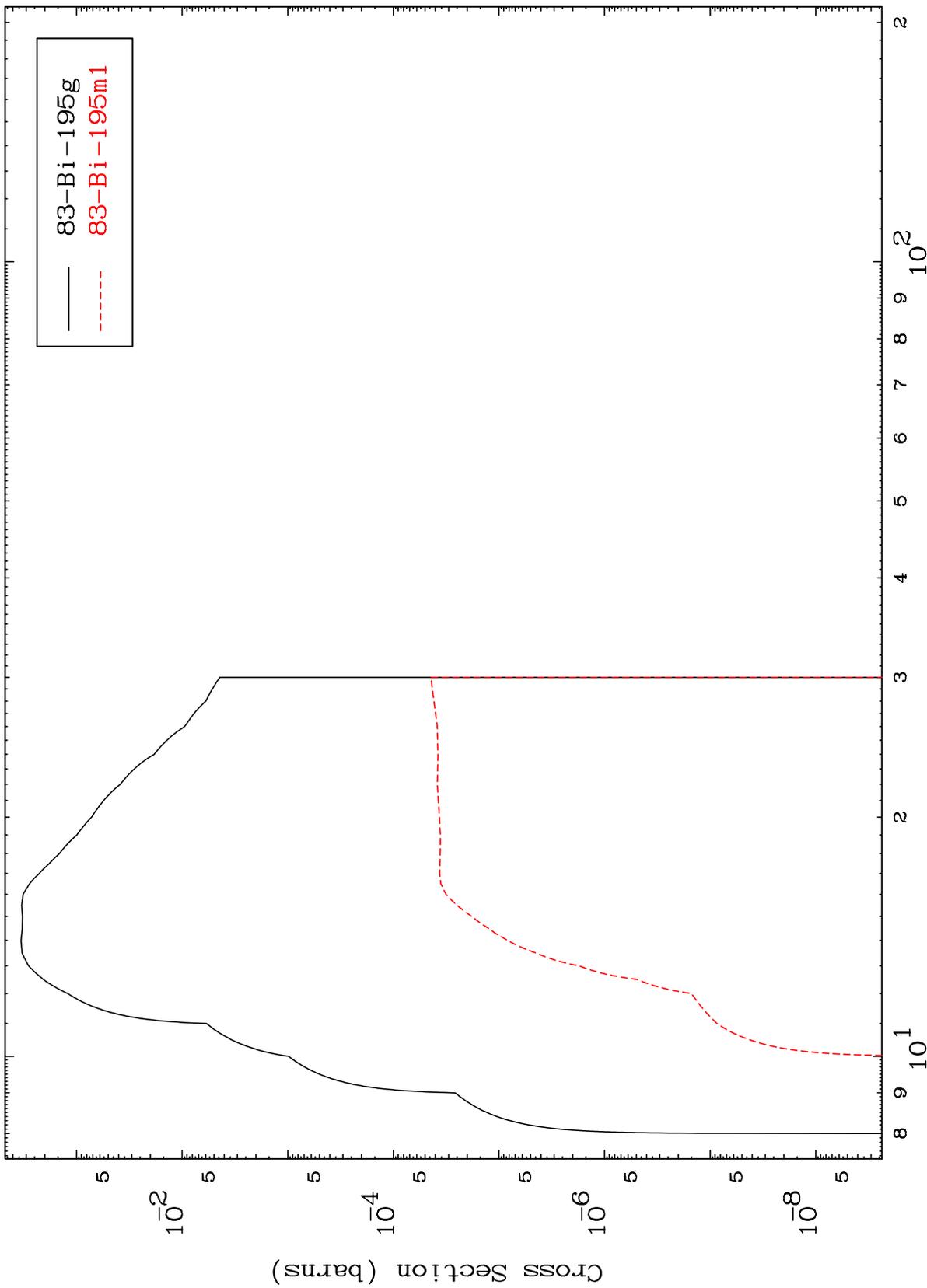
$^{83}\text{Bi}-196\text{m}$



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83-Bi-196m

Inelastic
Radionuclide Production Cross Section



83-Bi-196m

Incident Energy (MeV)

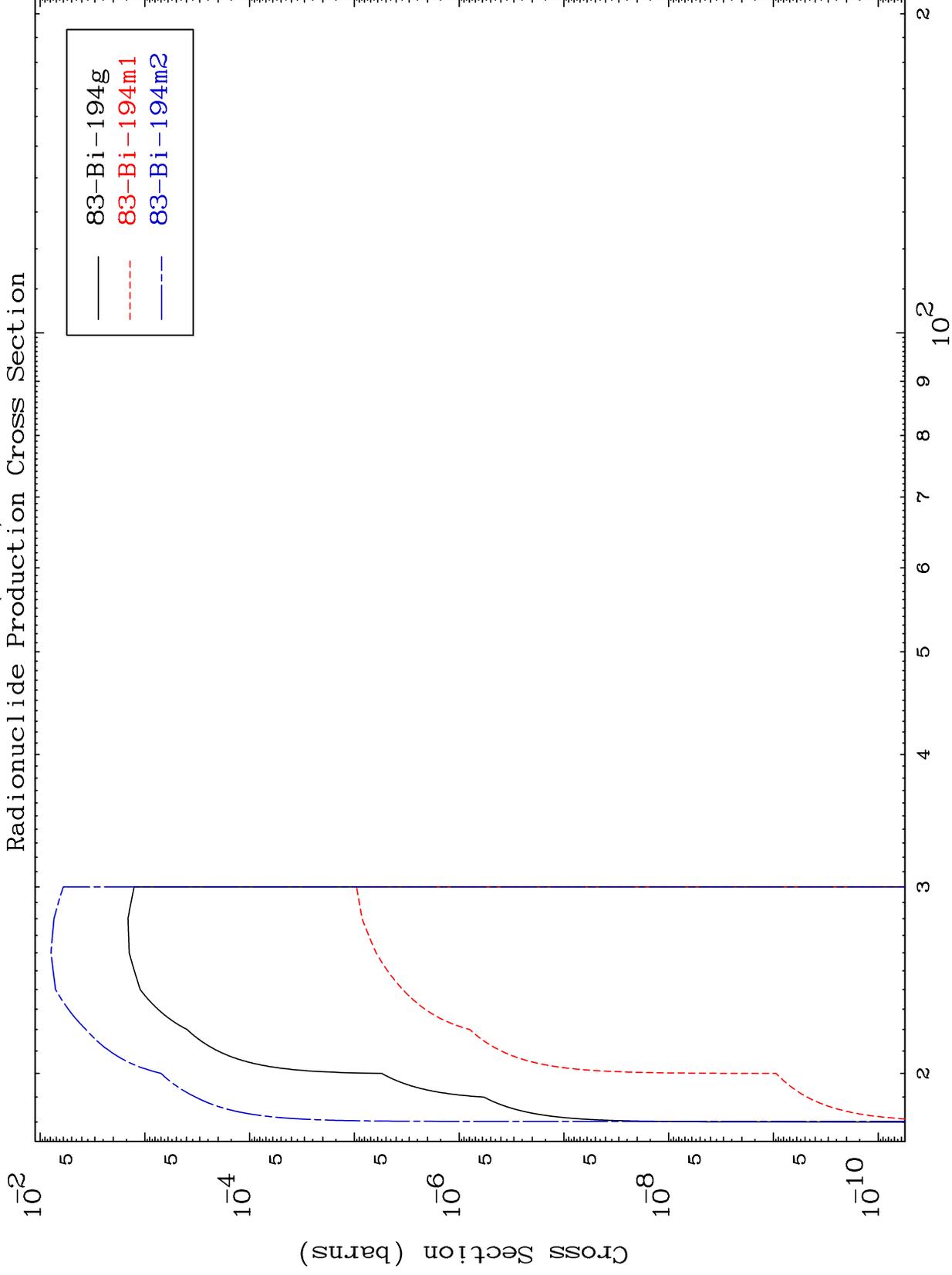
12

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(n,2n)

83-Bi-196m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

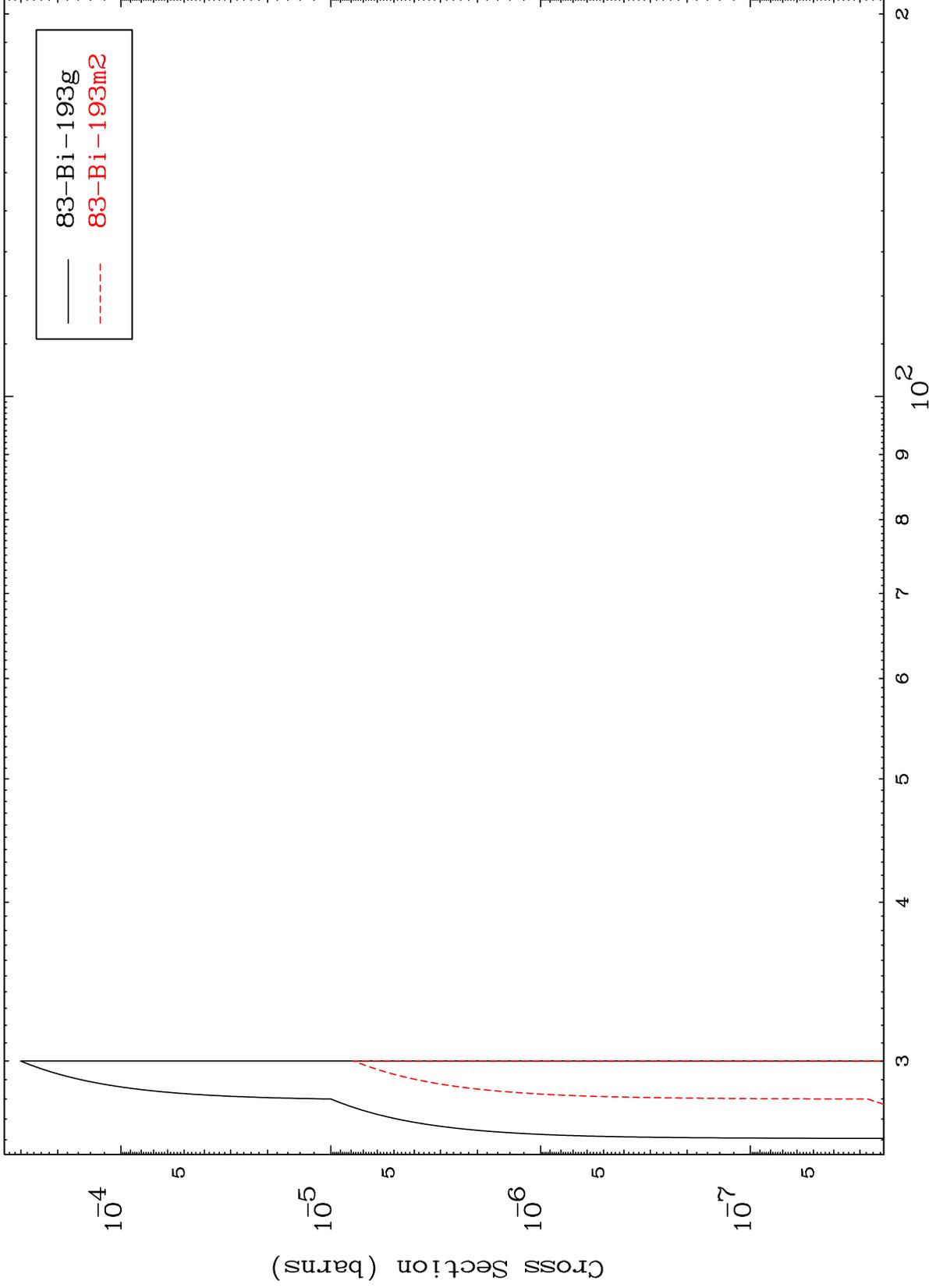
83-Bi-196m

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(n,3n)

⁸³Bi-196m

Radionuclide Production Cross Section



14

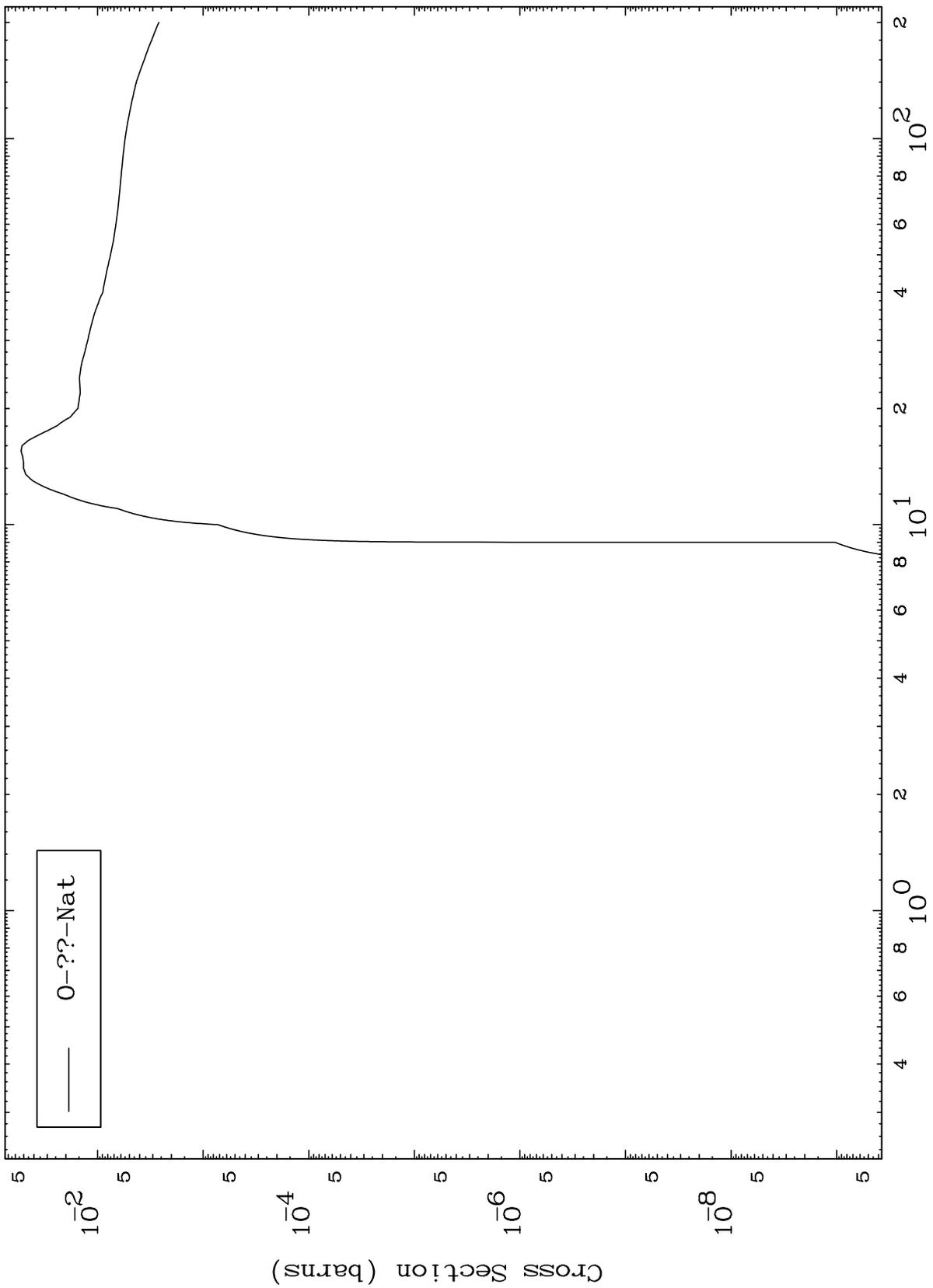
Incident Energy (MeV)

⁸³Bi-196m

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83-Bi-196m

Fission
Radionuclide Production Cross Section



83-Bi-196m

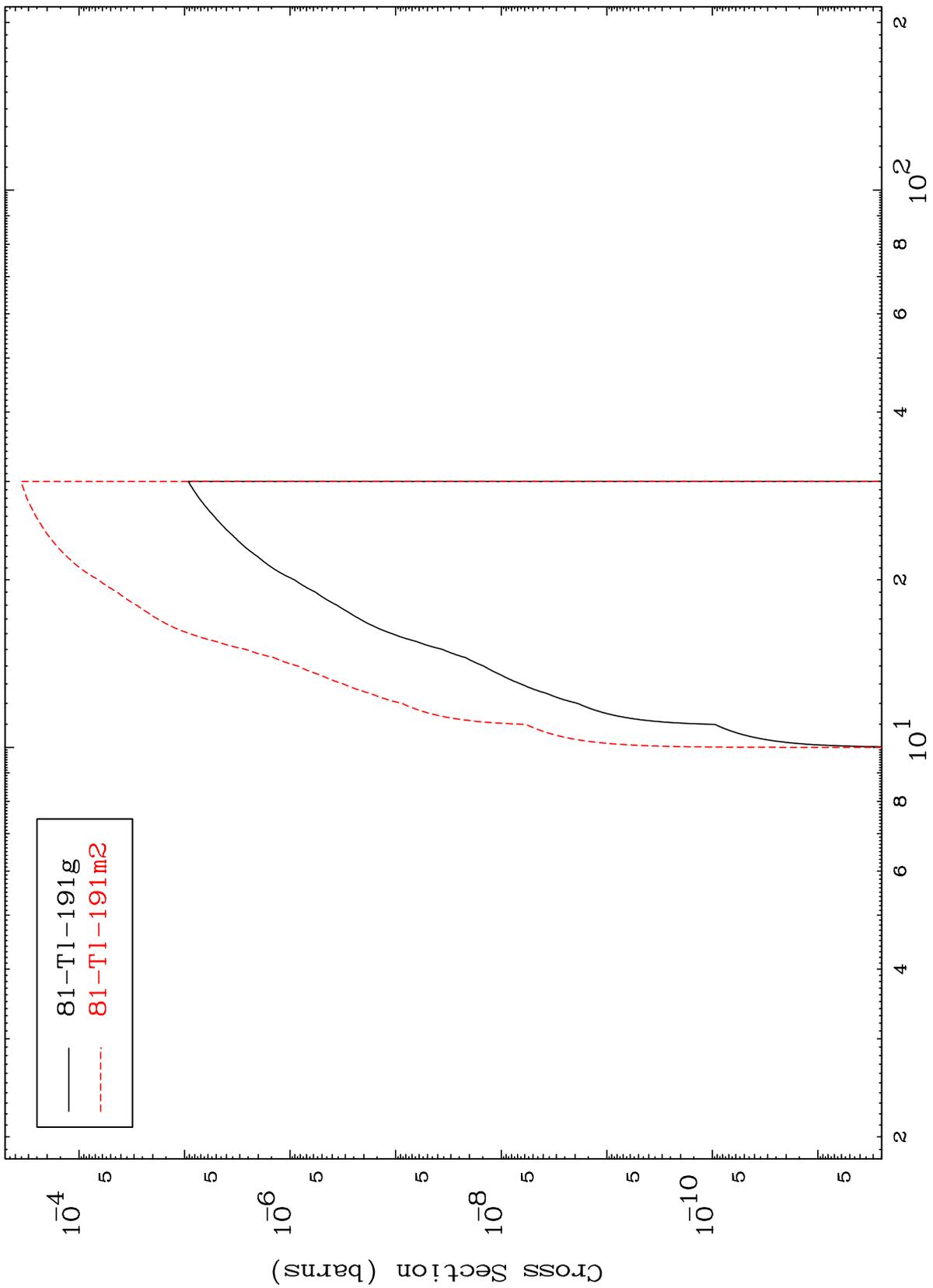
Incident Energy (MeV)

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$(n, n') \alpha$

83-Bi-196m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

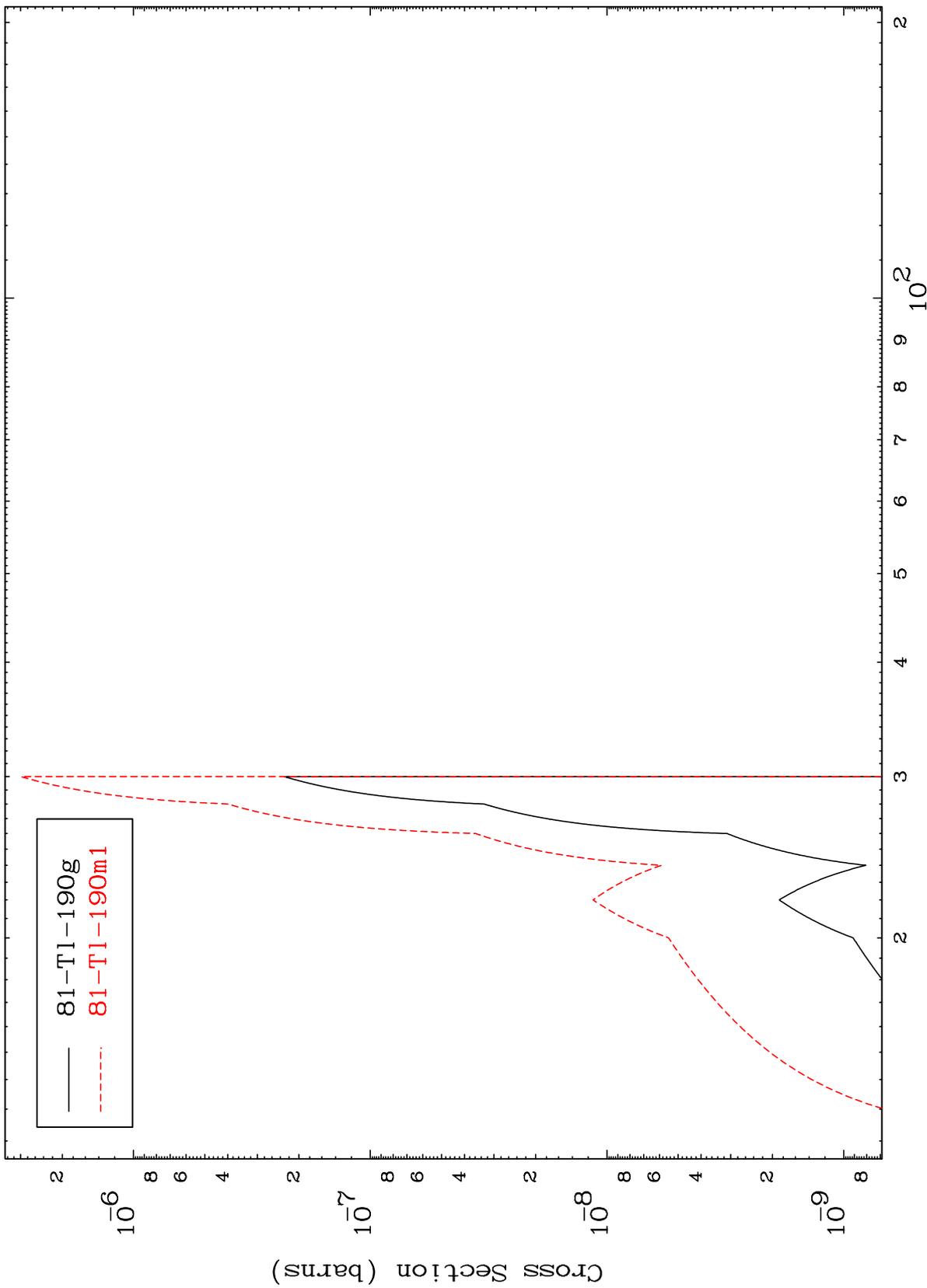
83-Bi-196m

MAT 8287

$(n,2n) \alpha$

$^{83}\text{Bi}-196\text{m}$

Radionuclide Production Cross Section

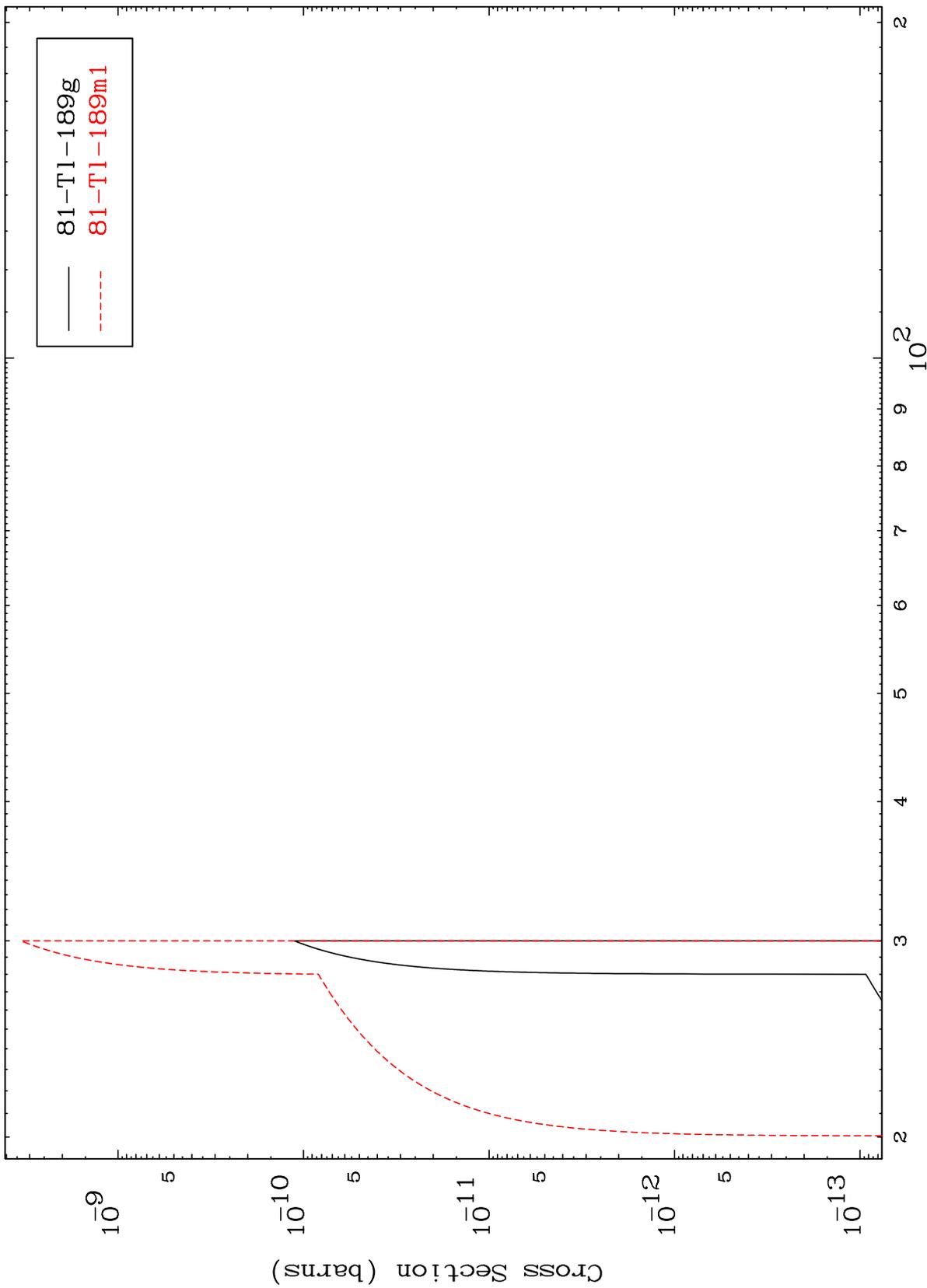


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(n,3n) α

83-Bi-196m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

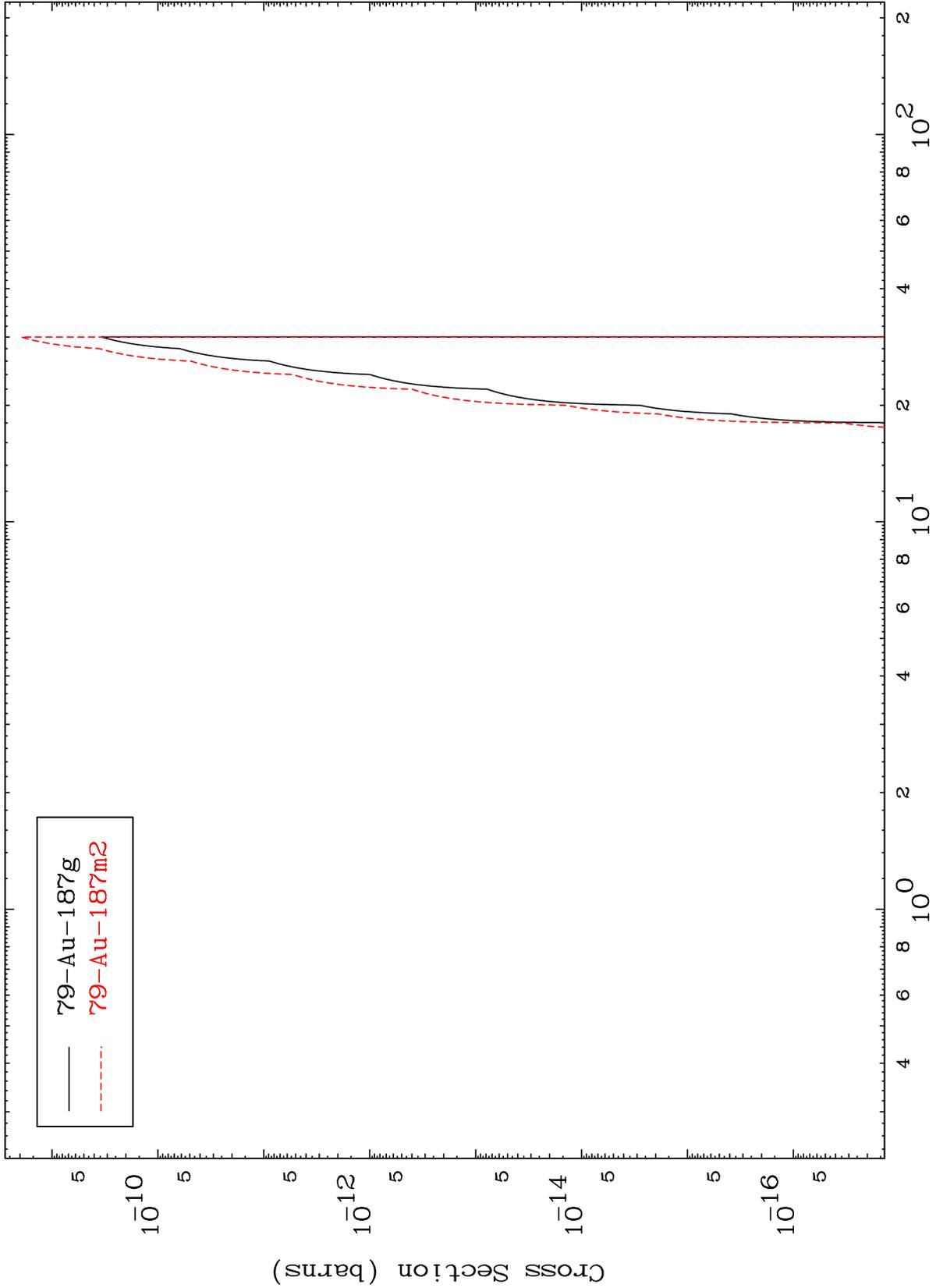
83-Bi-196m

MAT 8287

(n,n') 2 α

83-Bi-196m

Radionuclide Production Cross Section

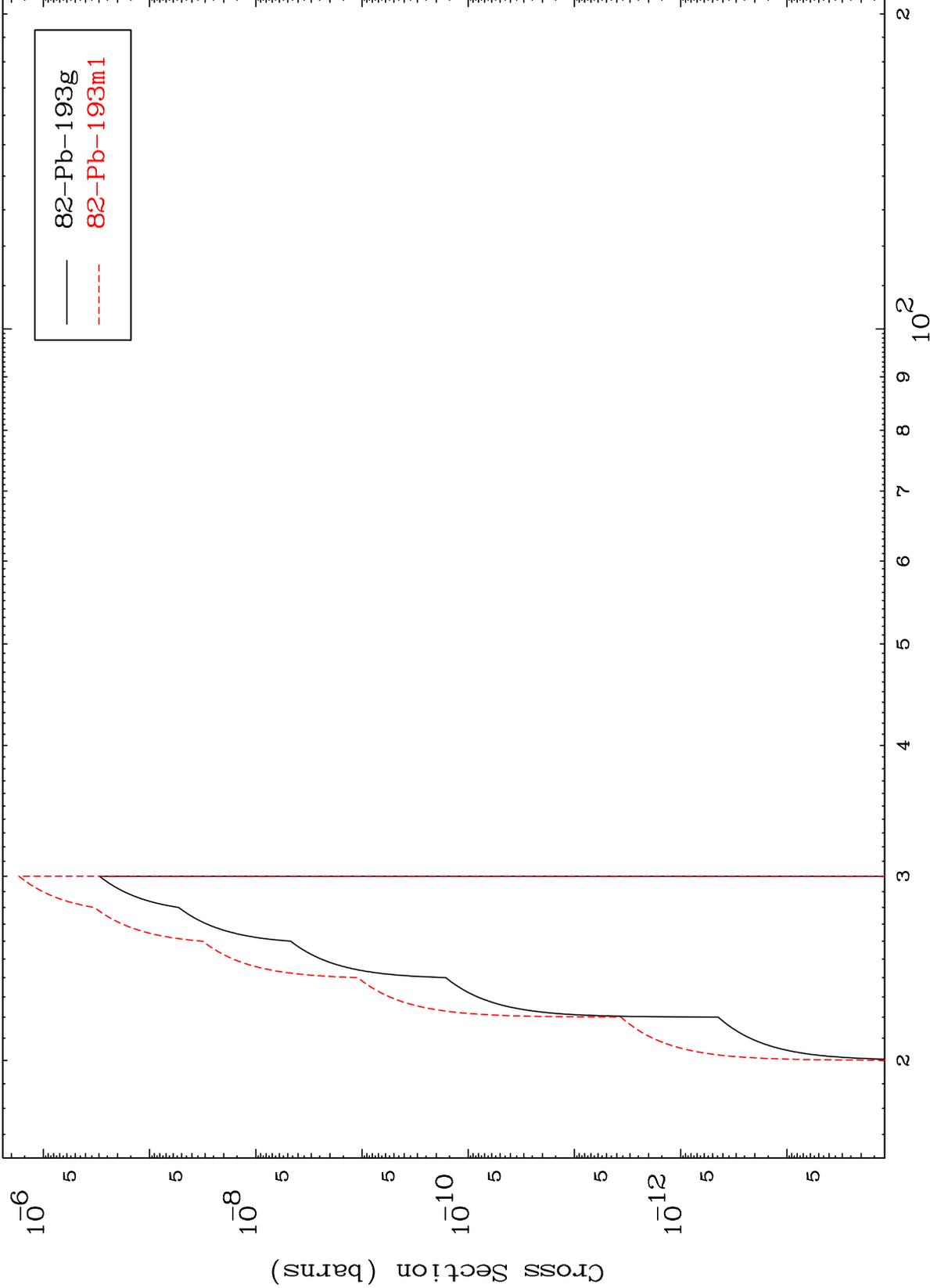


MAT 8287

(n,n') d

83-Bi-196m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

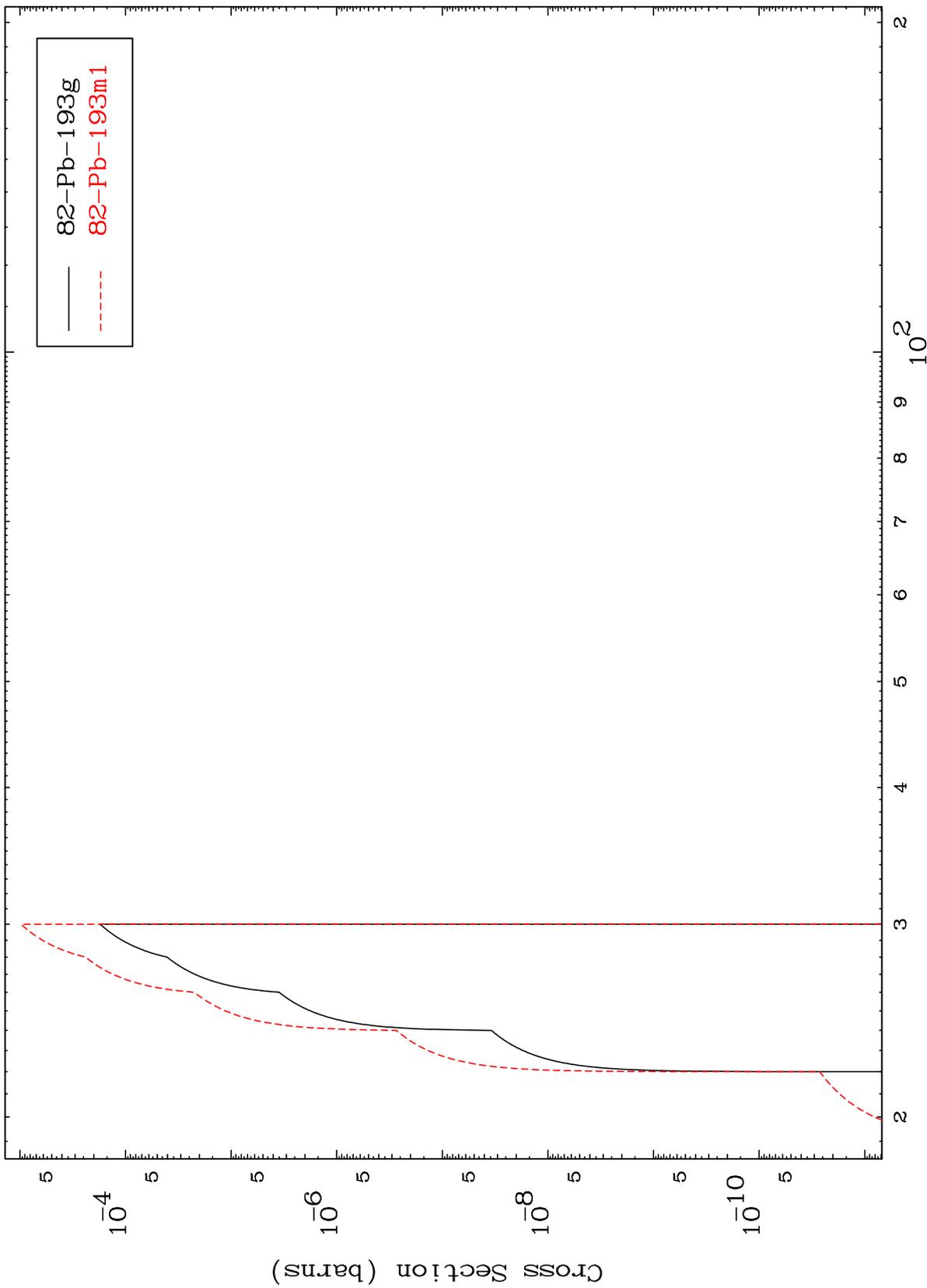
83-Bi-196m

MAT 8287

(n,2n) p

83-Bi-196m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

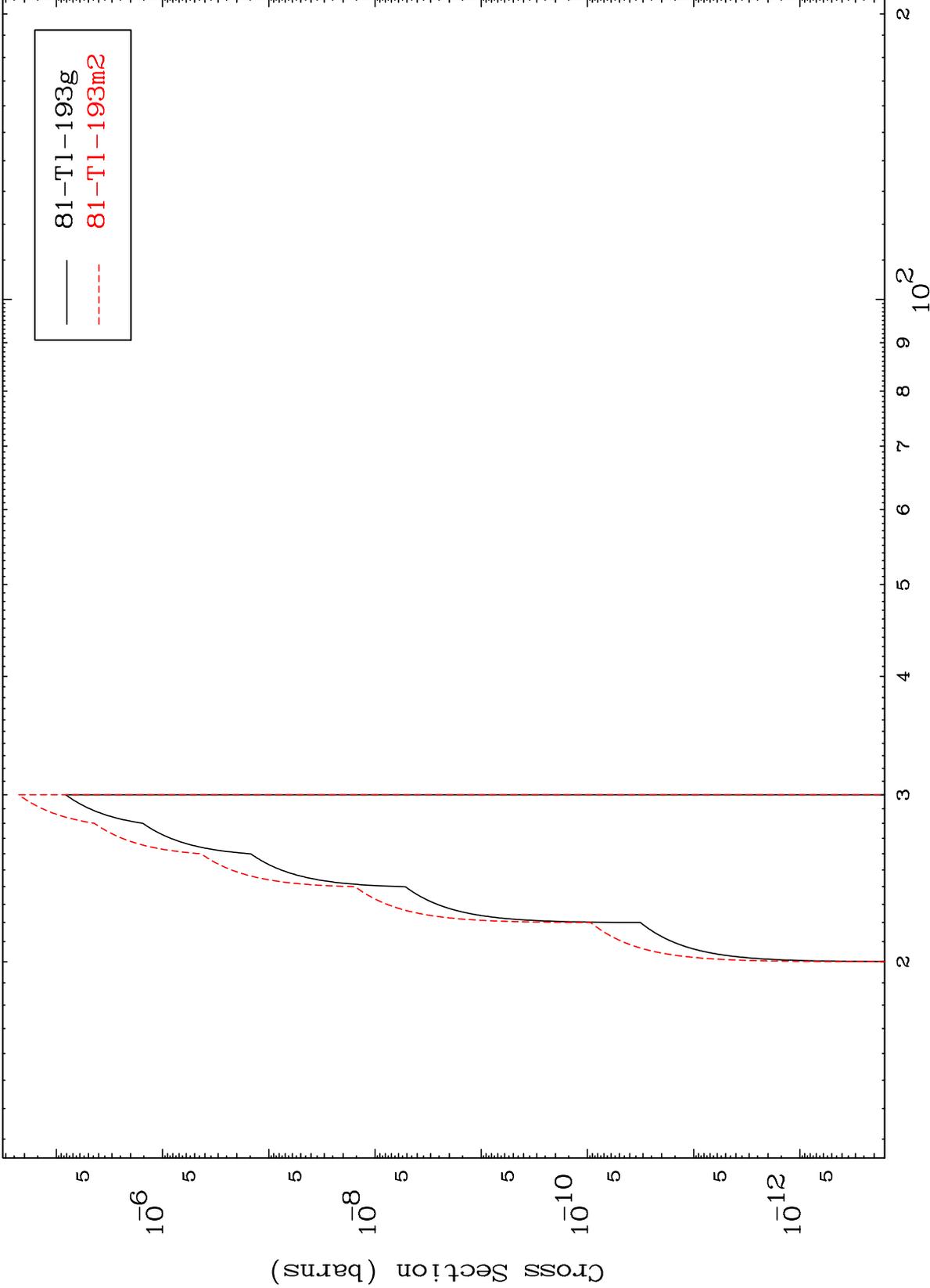
83-Bi-196m

MAT 8287

(n,2n) p

83-Bi-196m

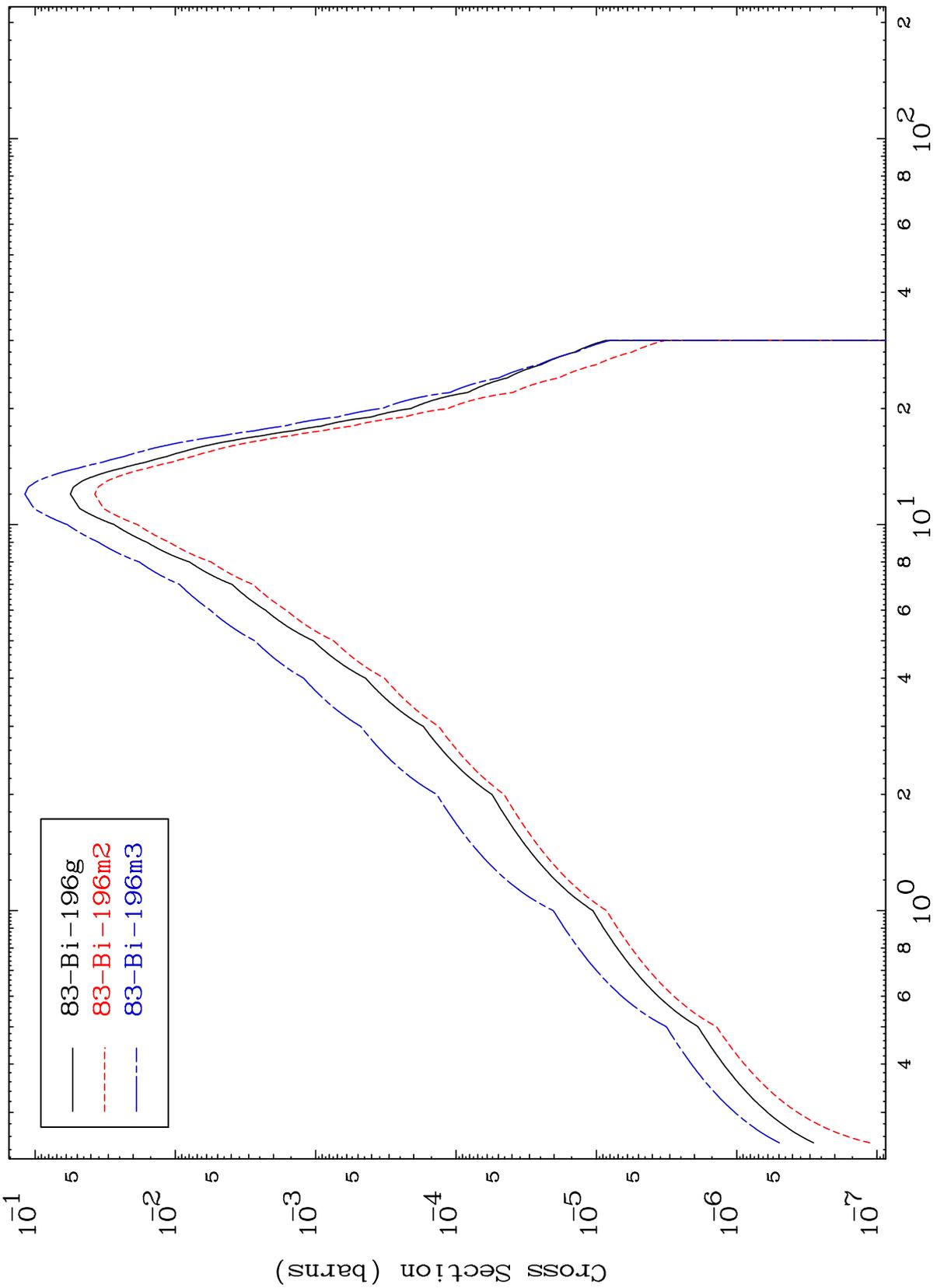
Radionuclide Production Cross Section



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$^{83}\text{Bi-196m}$

(n, γ)
Radionuclide Production Cross Section



23

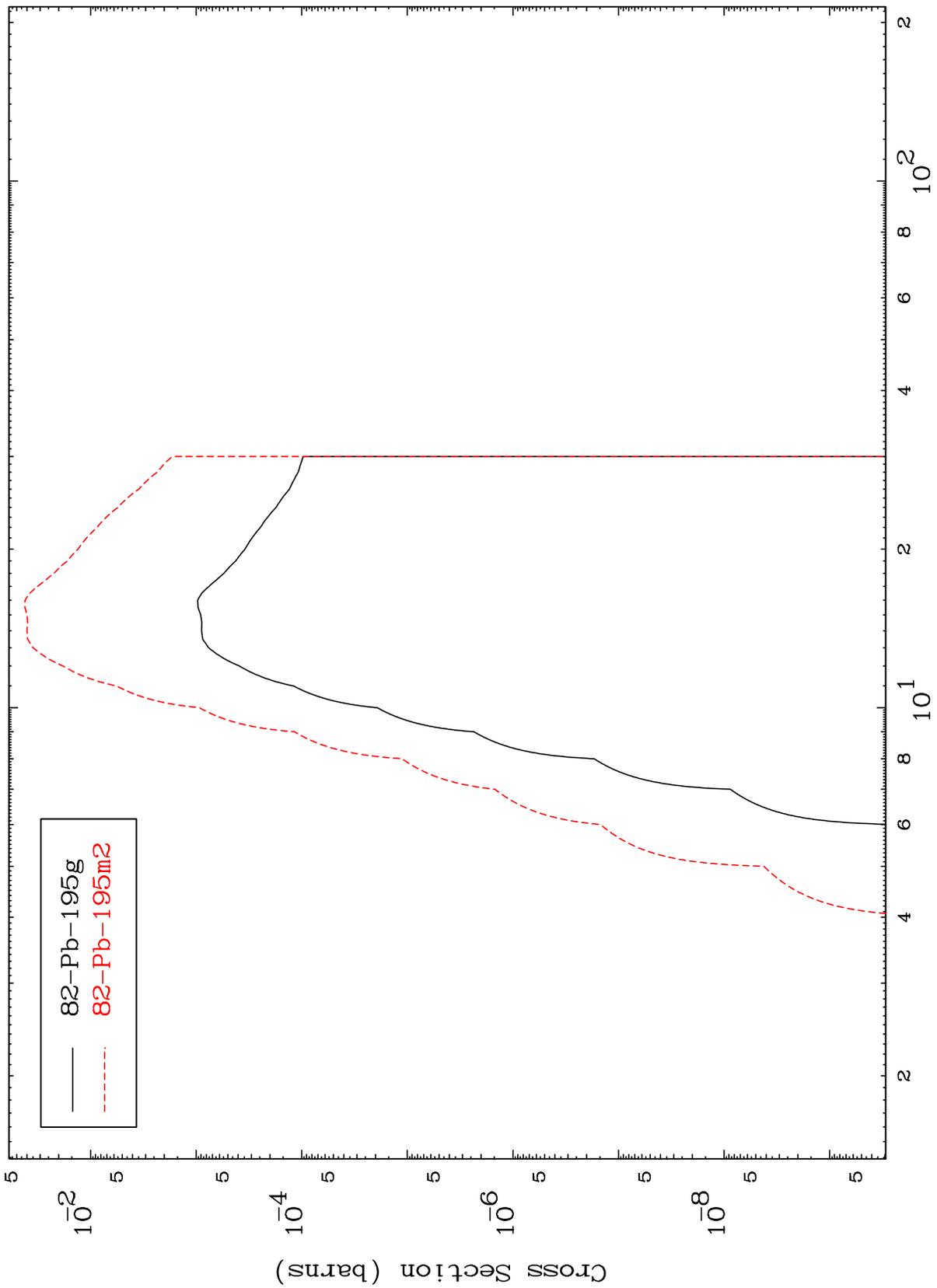
$^{83}\text{Bi-196m}$

Incident Energy (MeV)

MAT 8287

83-Bi-196m

(n,p)
Radionuclide Production Cross Section



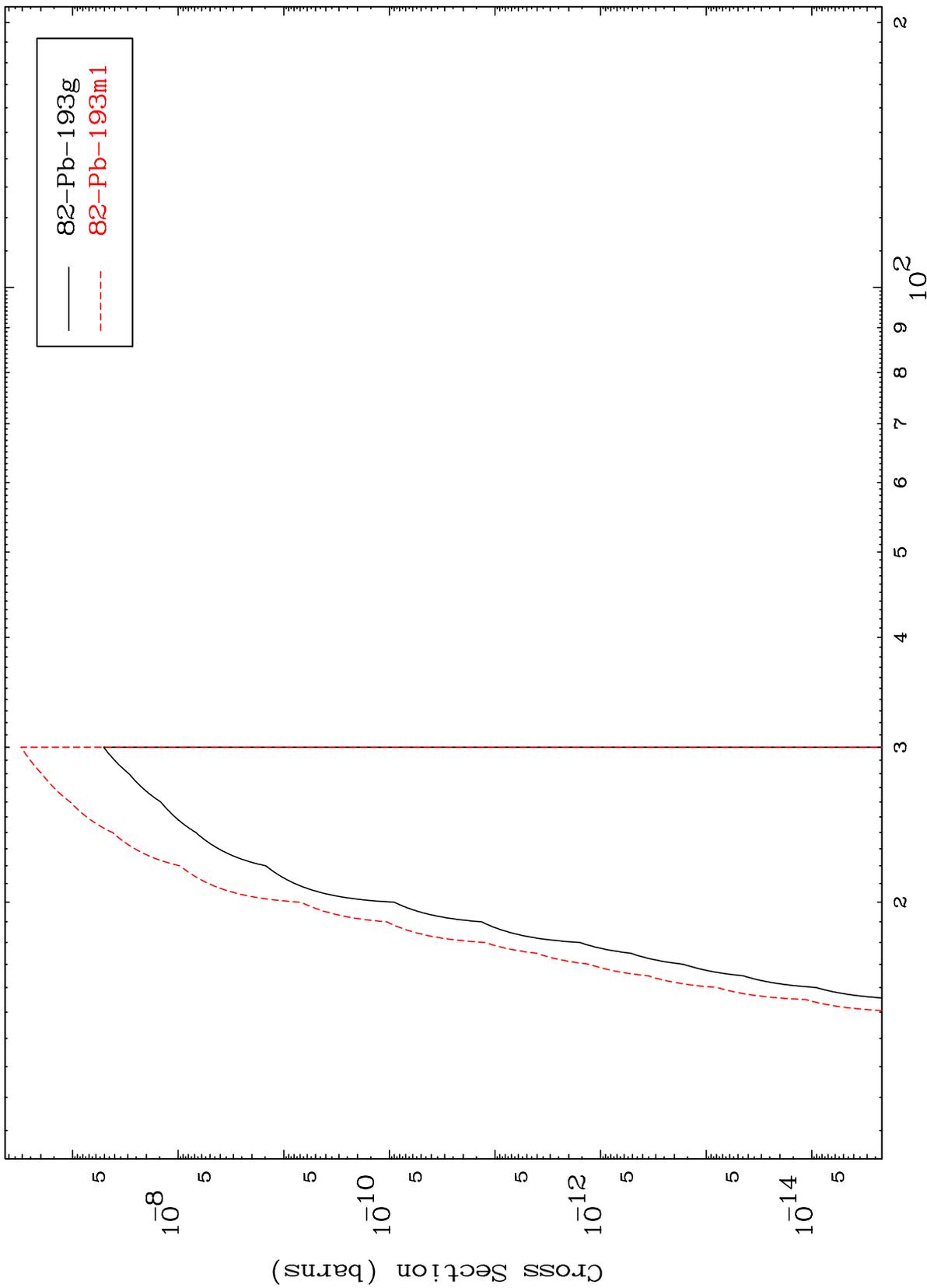
— 82-Pb-195g
- - - 82-Pb-195m2

24

Incident Energy (MeV)

83-Bi-196m

(n,t)
Radionuclide Production Cross Section

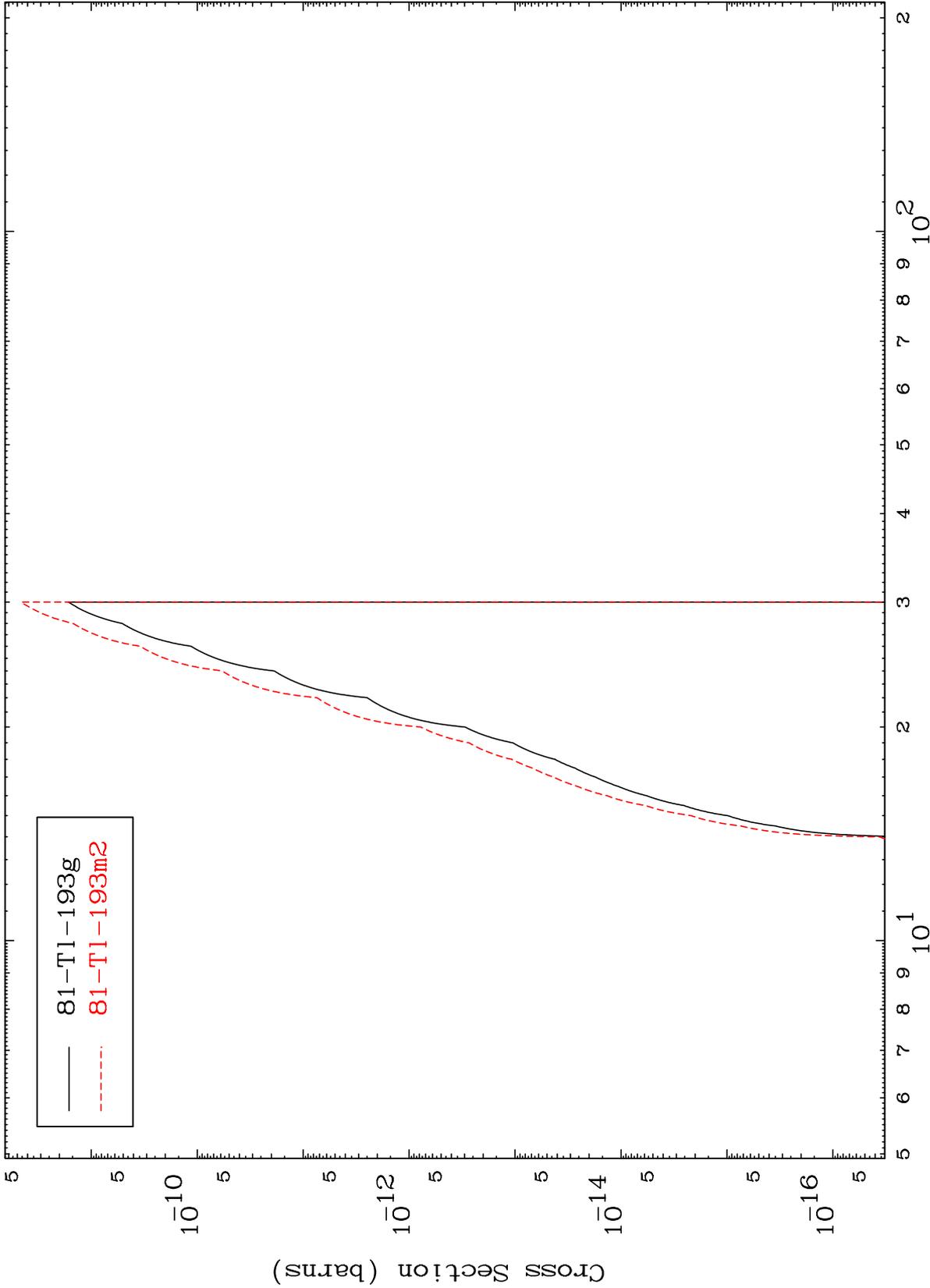


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(n,He-3)

83-Bi-196m

Radionuclide Production Cross Section



81-Tl-193g
81-Tl-193m2

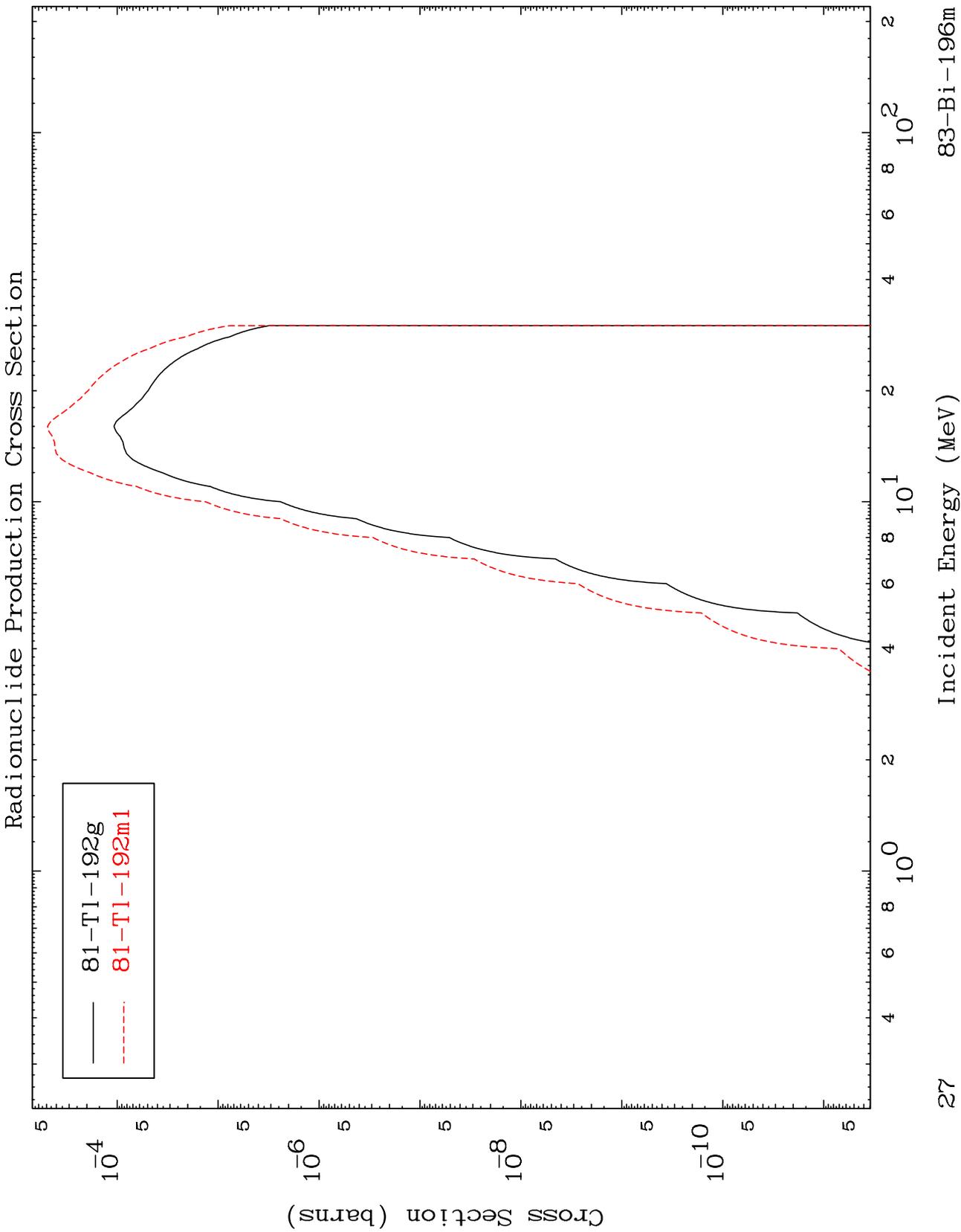
Incident Energy (MeV)

83-Bi-196m

26

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⁸³Bi-196m



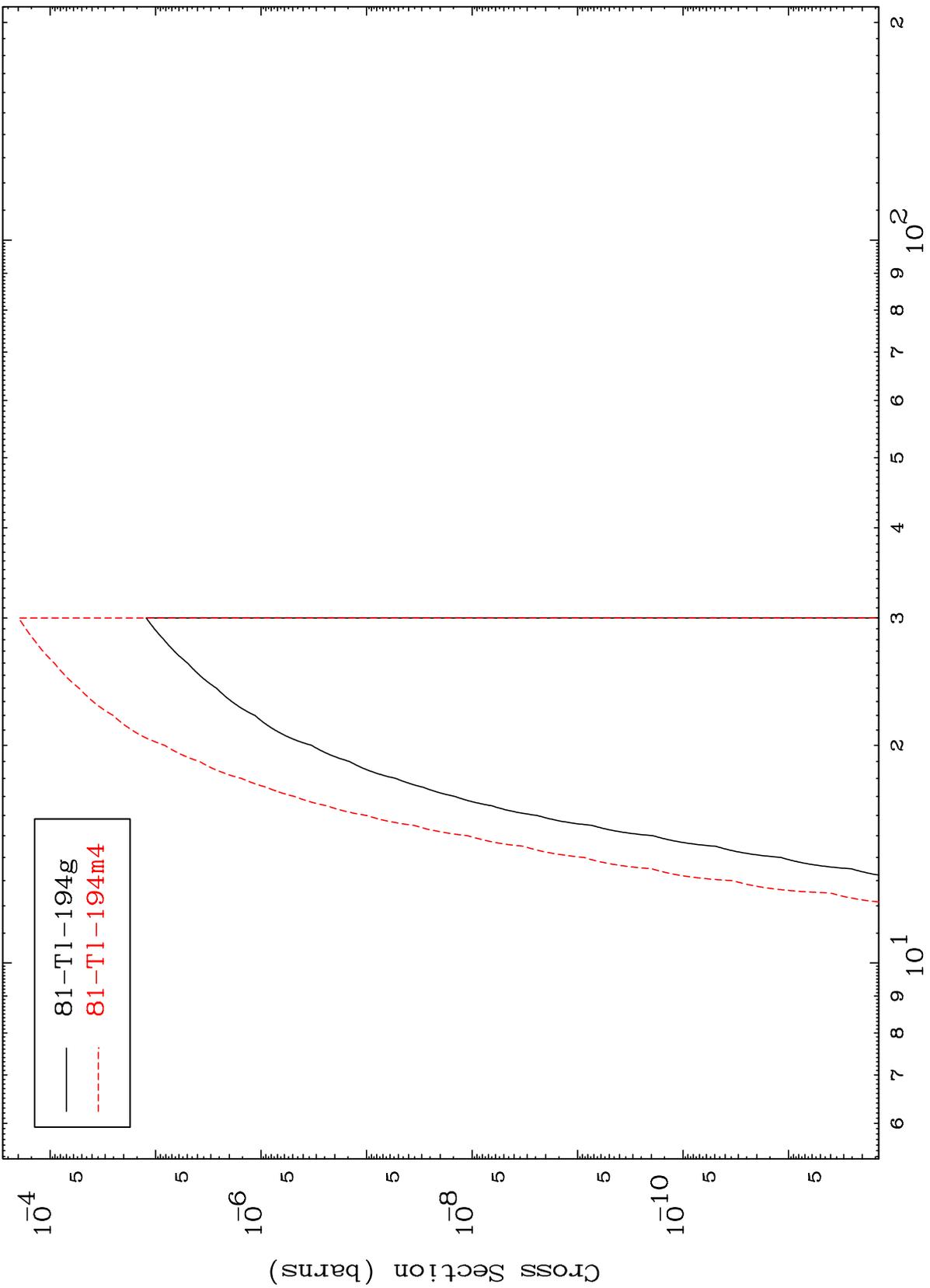
⁸³Bi-196m

Incident Energy (MeV)

MAT 8287

83-Bi-196m

(n,2p)
Radionuclide Production Cross Section



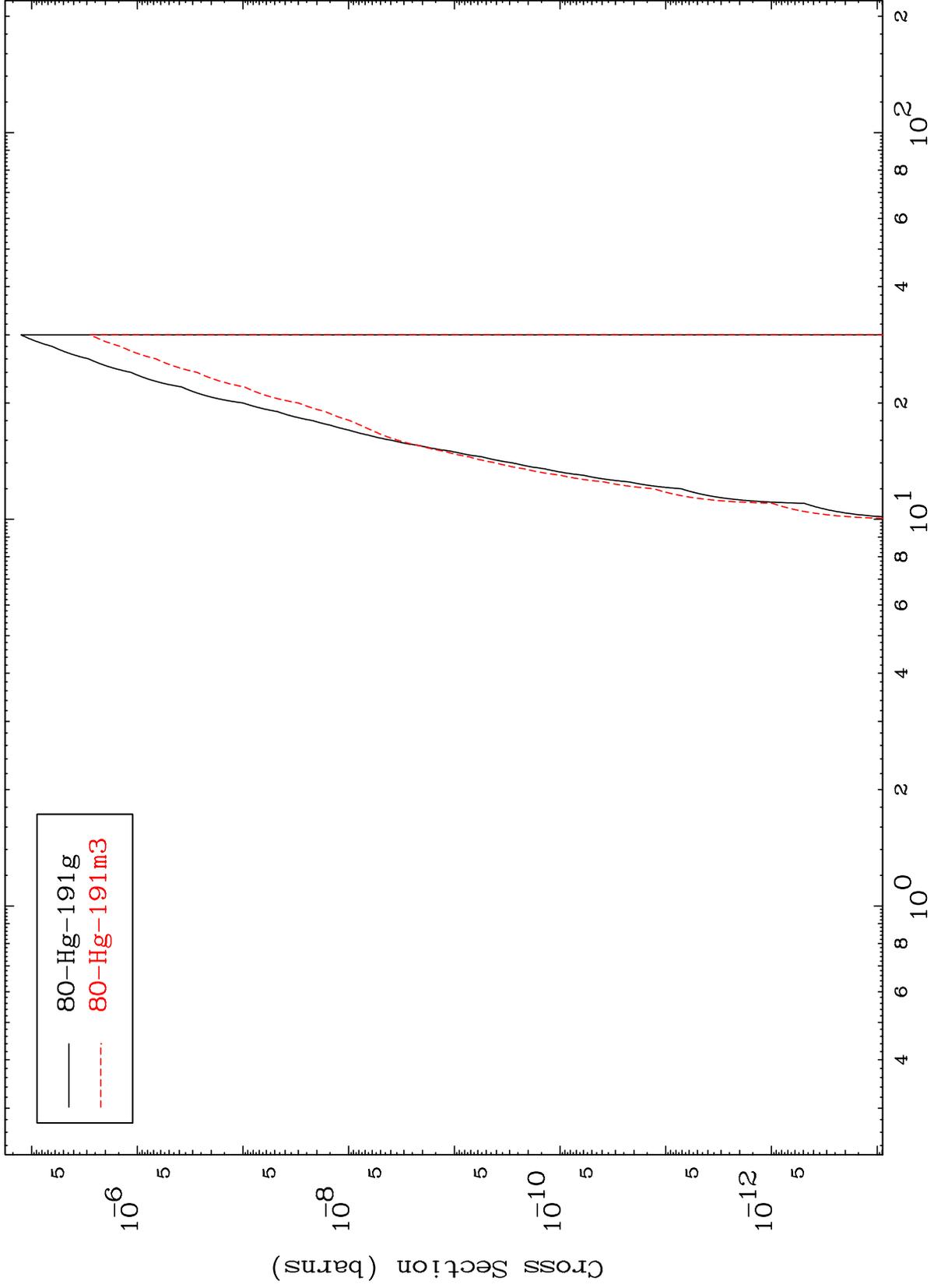
81-Tl-194g
81-Tl-194m4

MAT 8287

(n,p) α

$^{83}\text{Bi-196m}$

Radionuclide Production Cross Section



Radionuclide Production Cross Section

