

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

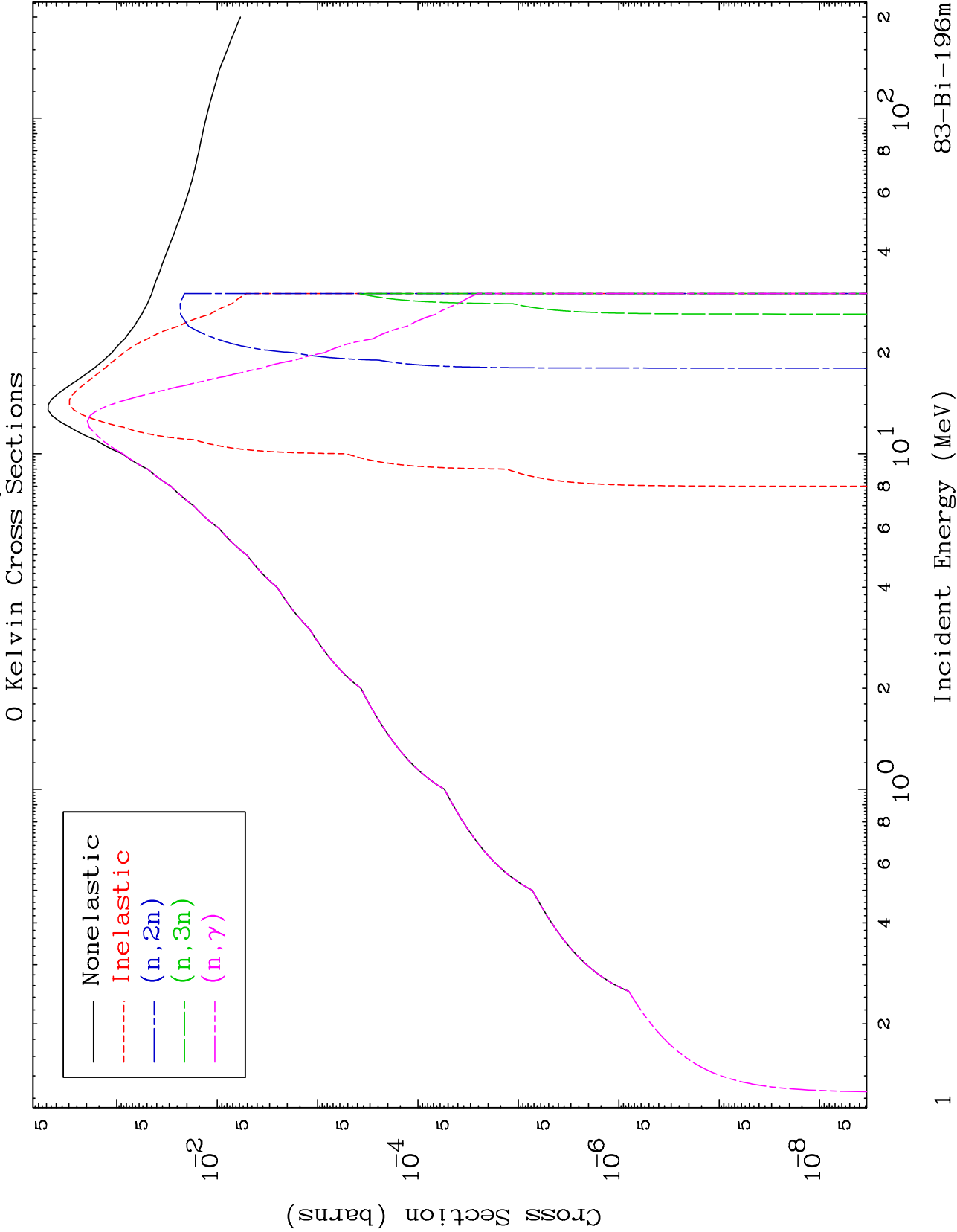
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Web:redcullen1.net/HOMEPAGE.NEW

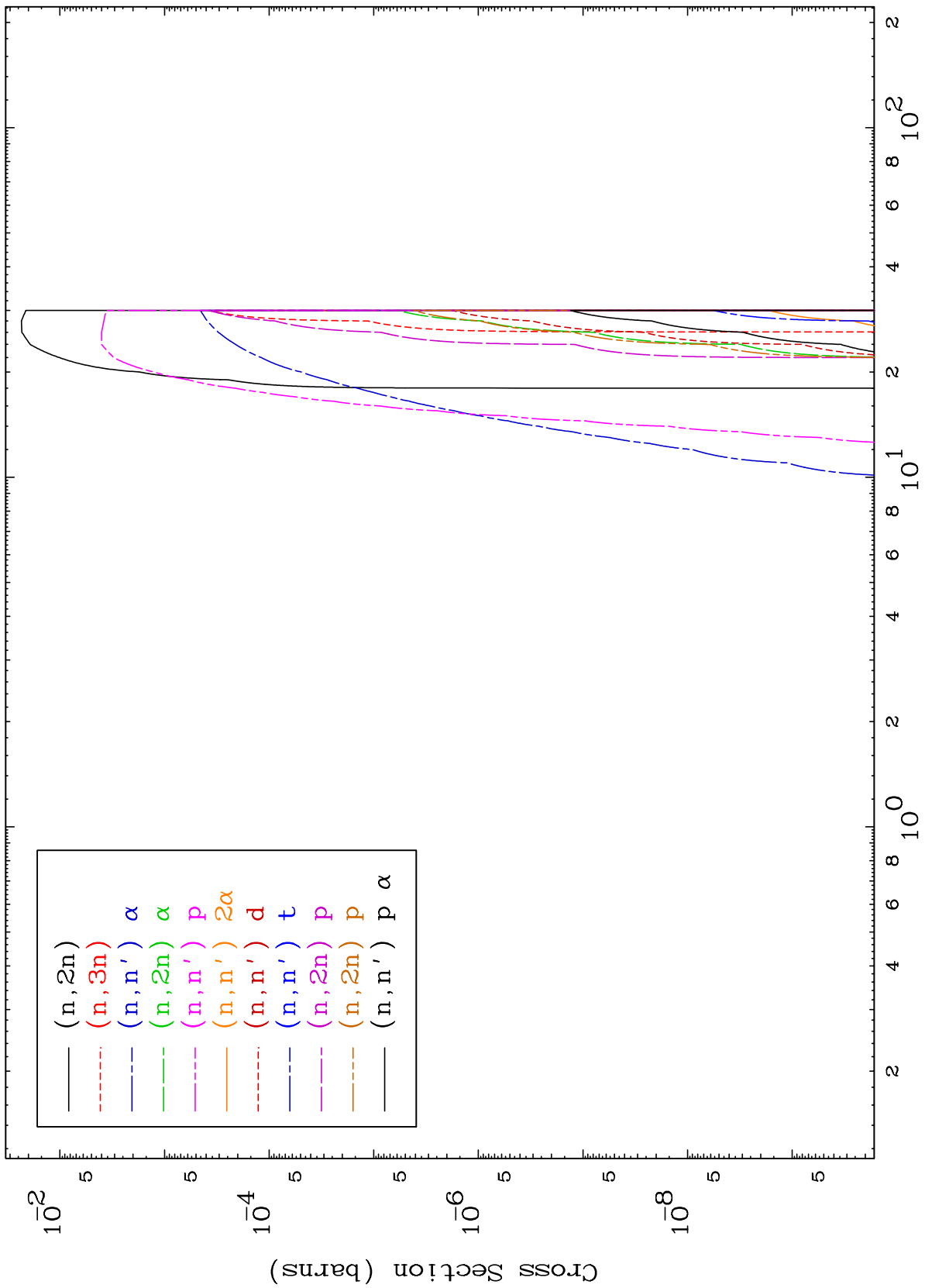
Press Mouse Button to Start



MAT 8287

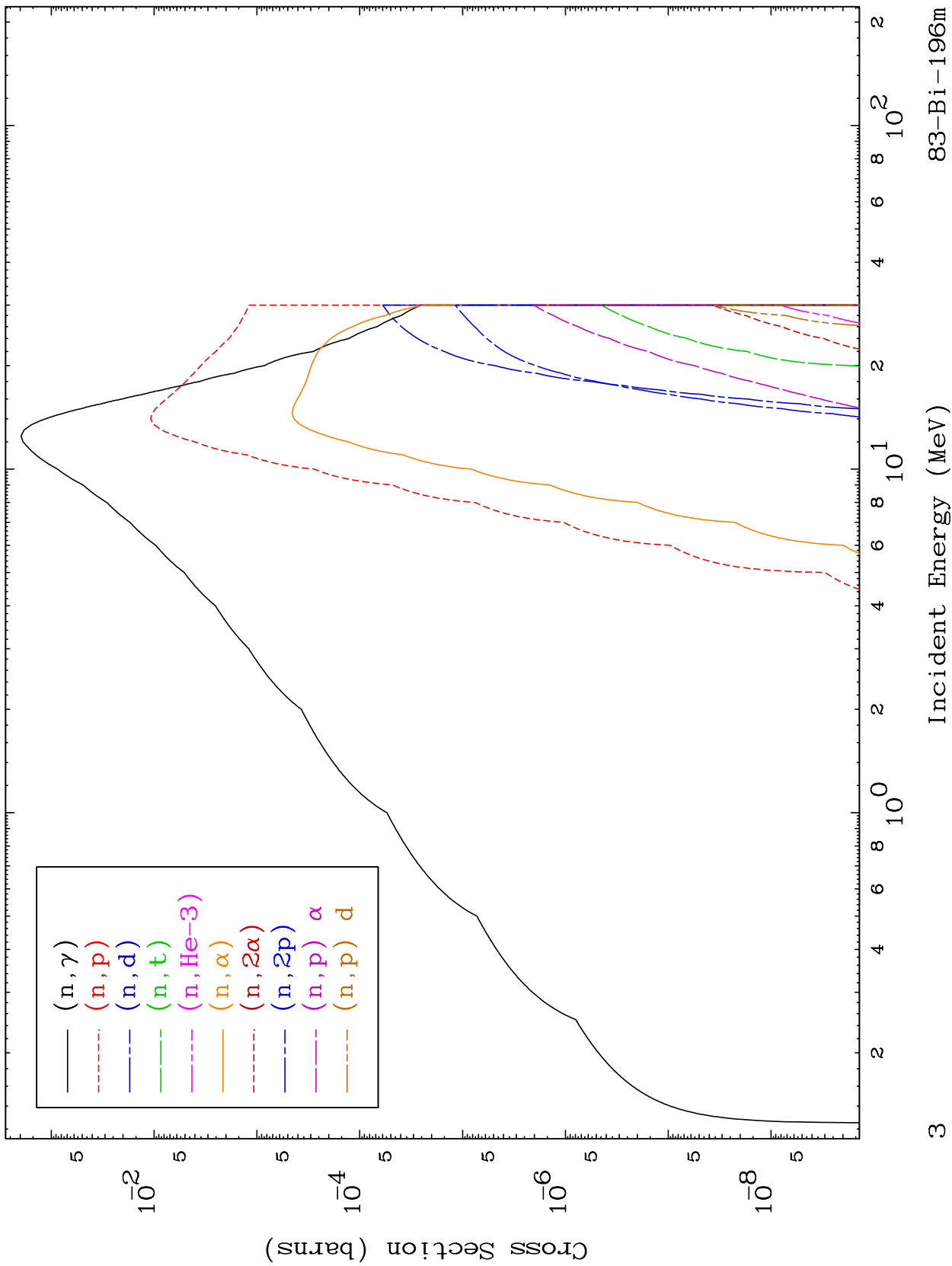
Photon Neutron Absorption
0 Kelvin Cross Sections

83-Bi-196m



83-Bi-196m

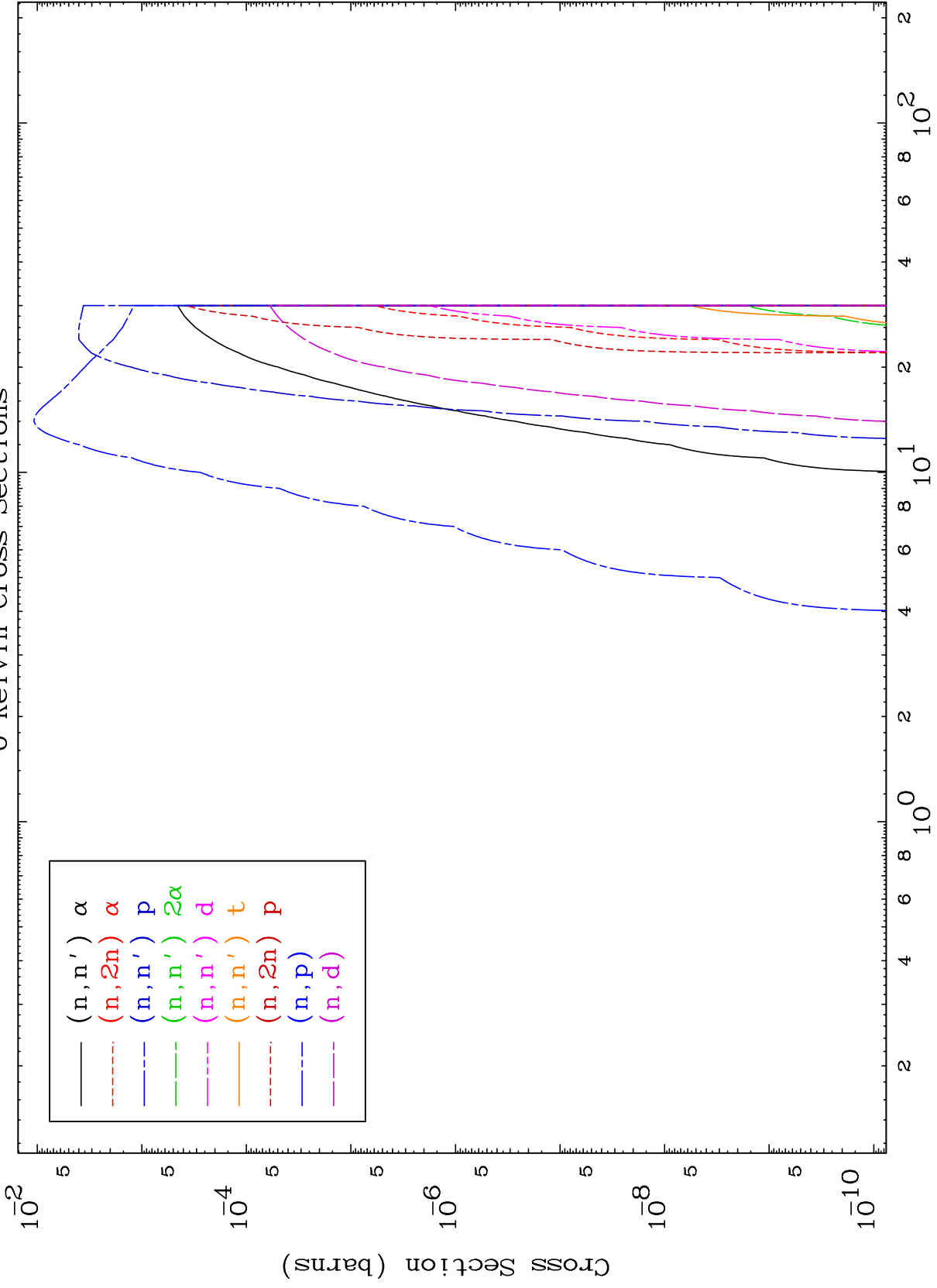
Incident Energy (MeV)

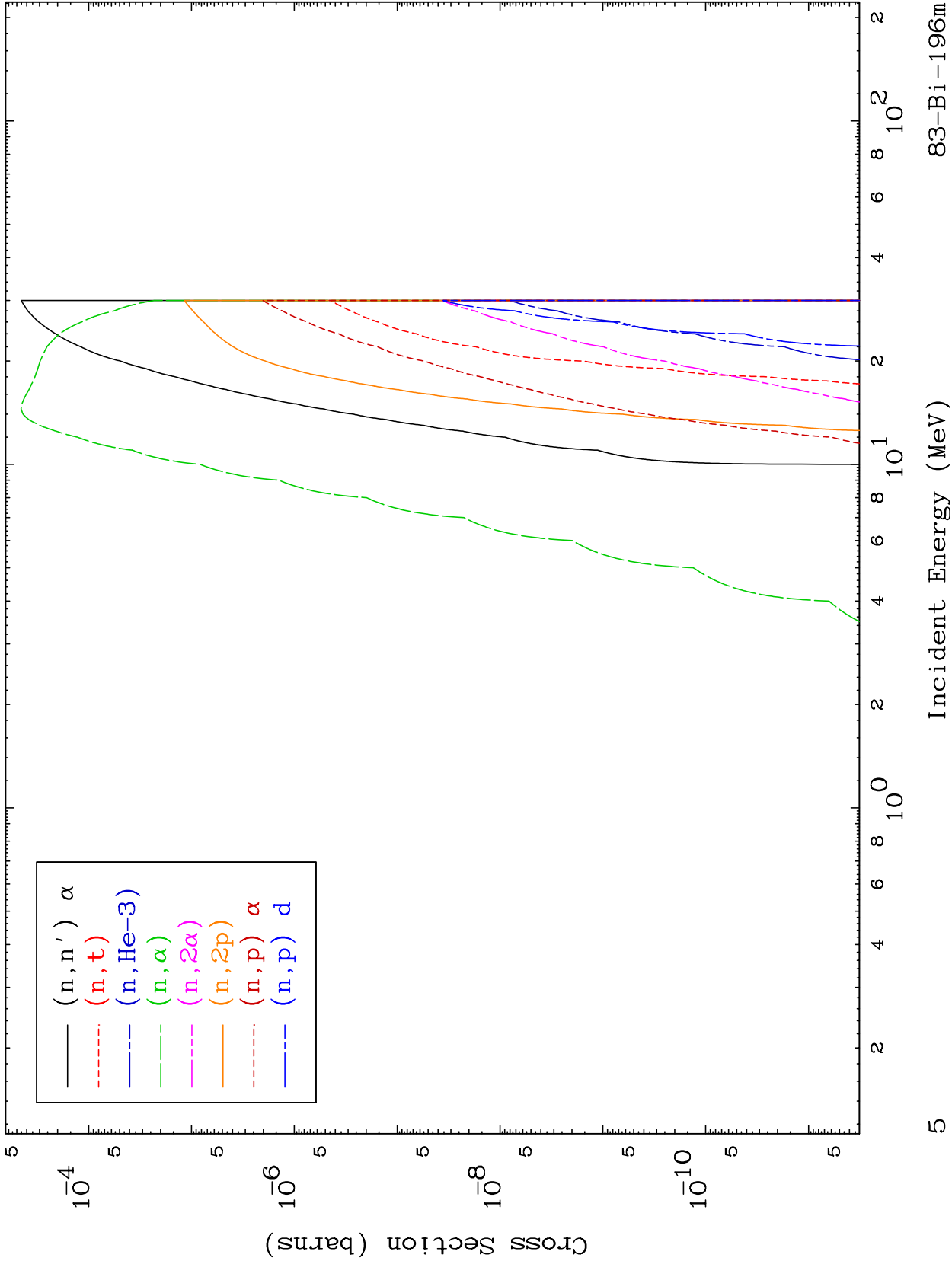


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Photon Charged Particle
0 Kelvin Cross Sections

83-Bi-196m



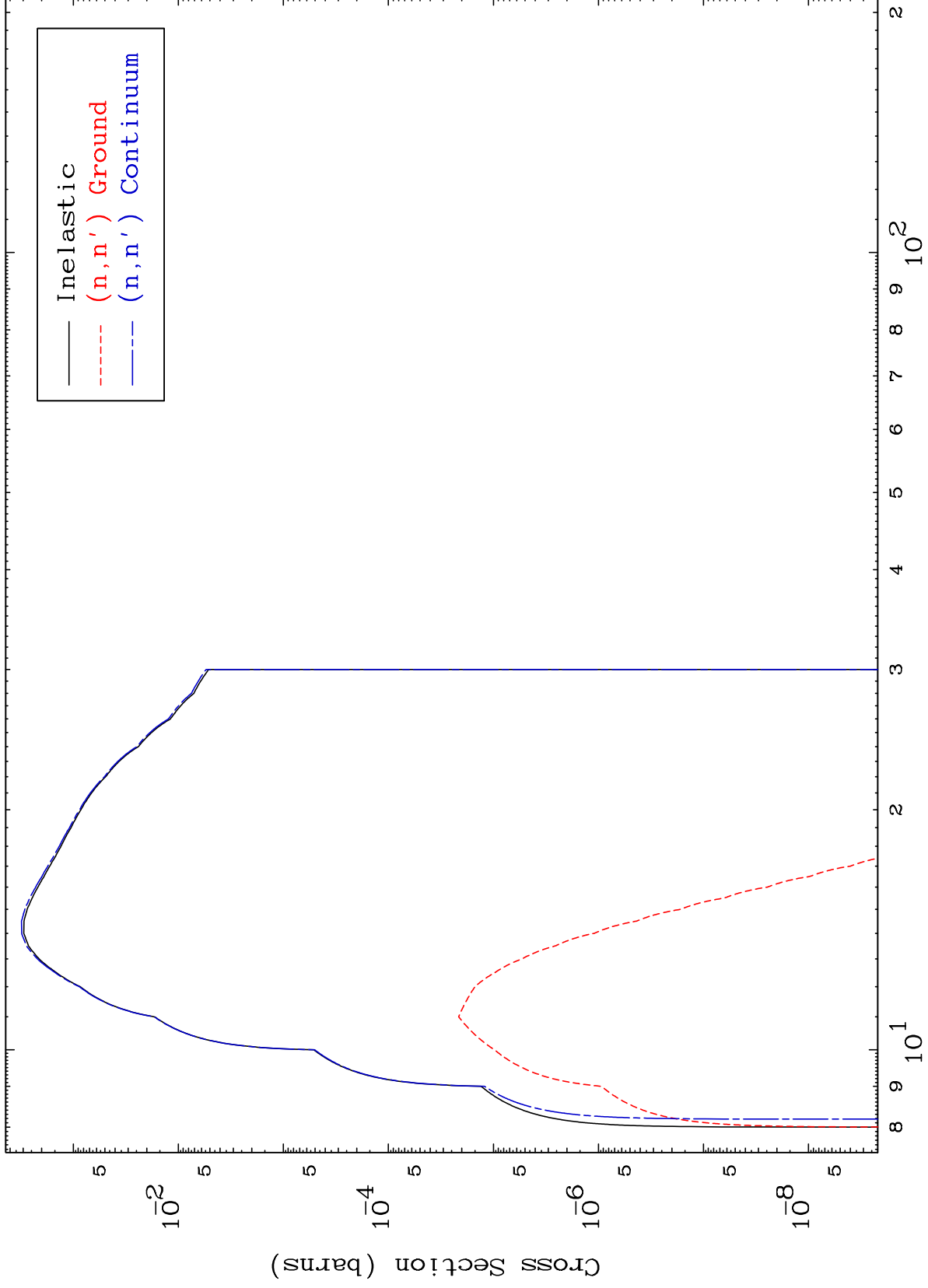


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(γ, n') Levels

83-Bi-196m

0 Kelvin Cross Sections



6

Incident Energy (MeV)

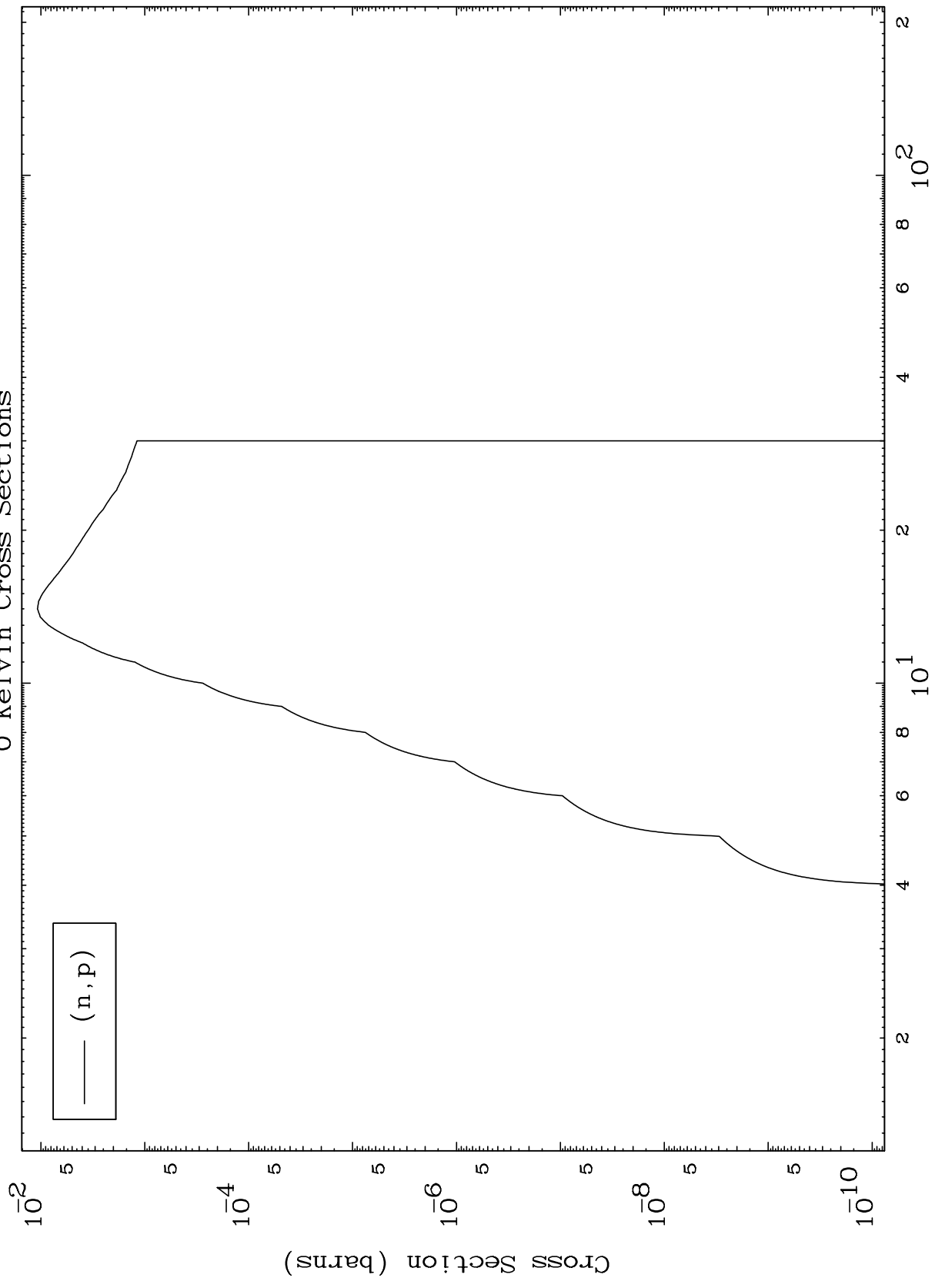
83-Bi-196m

MAT 8287

(γ, p) Levels

83-Bi-196m

0 Kelvin Cross Sections

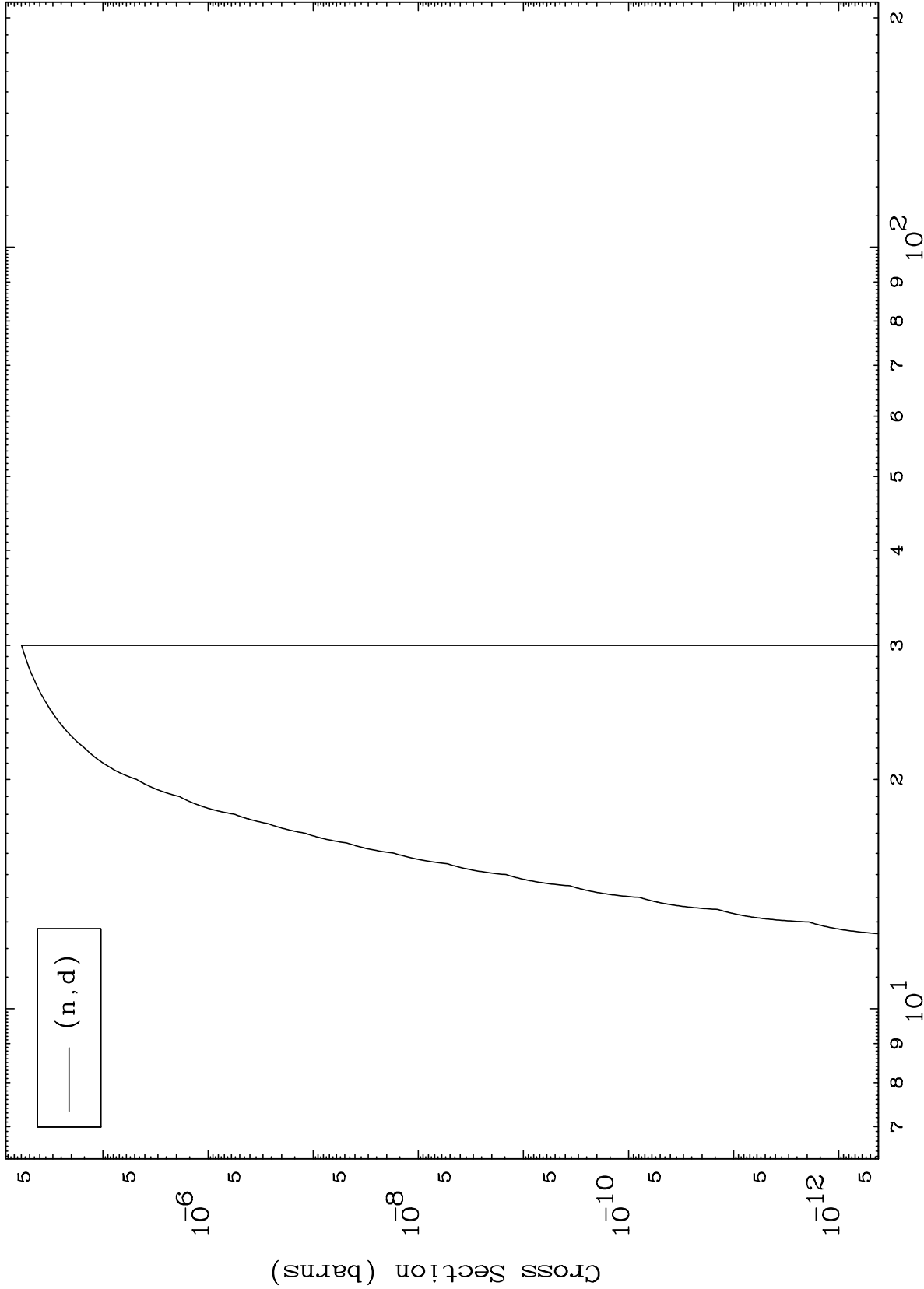


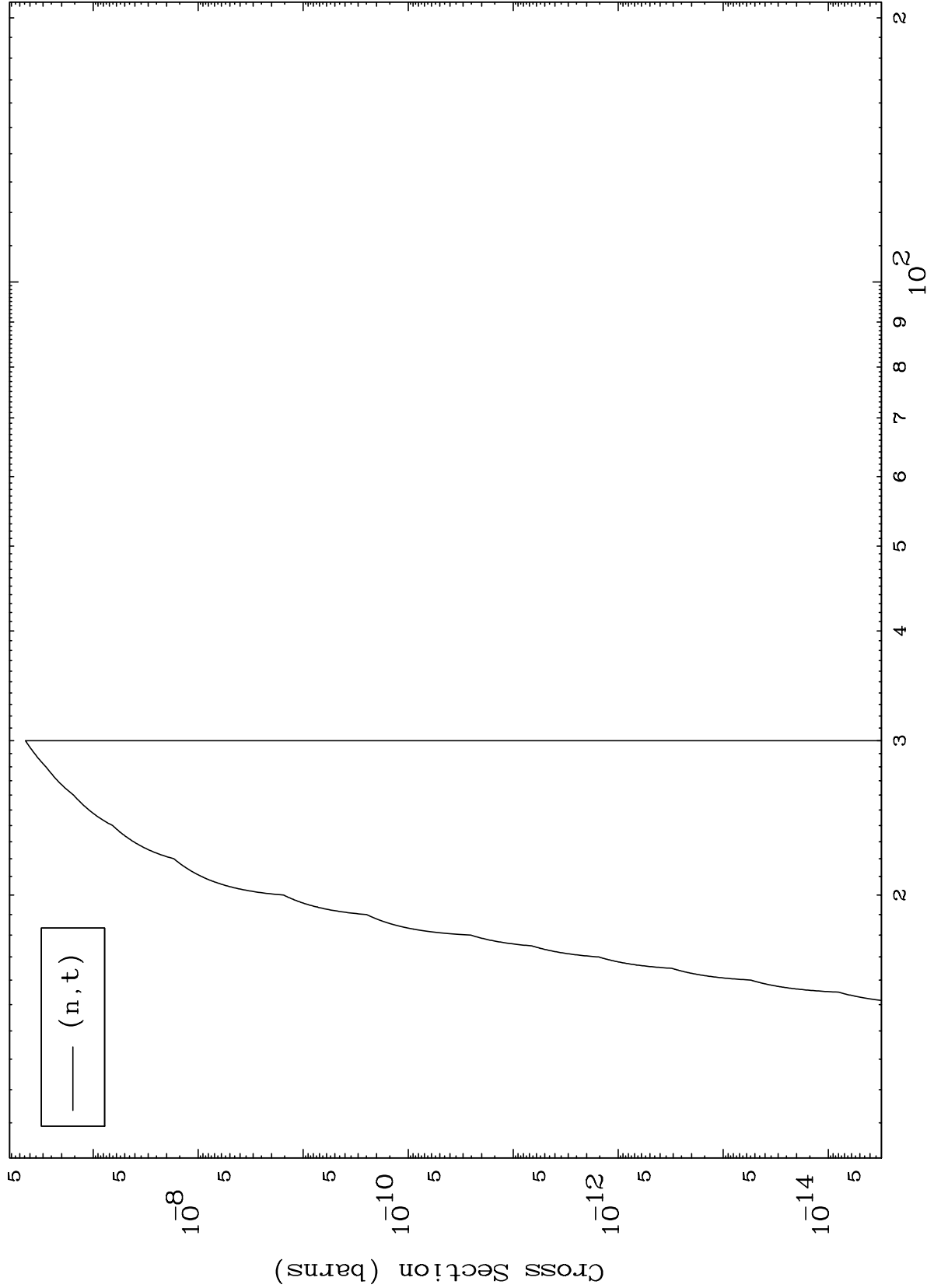
(n, p)

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(γ, d) Levels
0 Kelvin Cross Sections

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

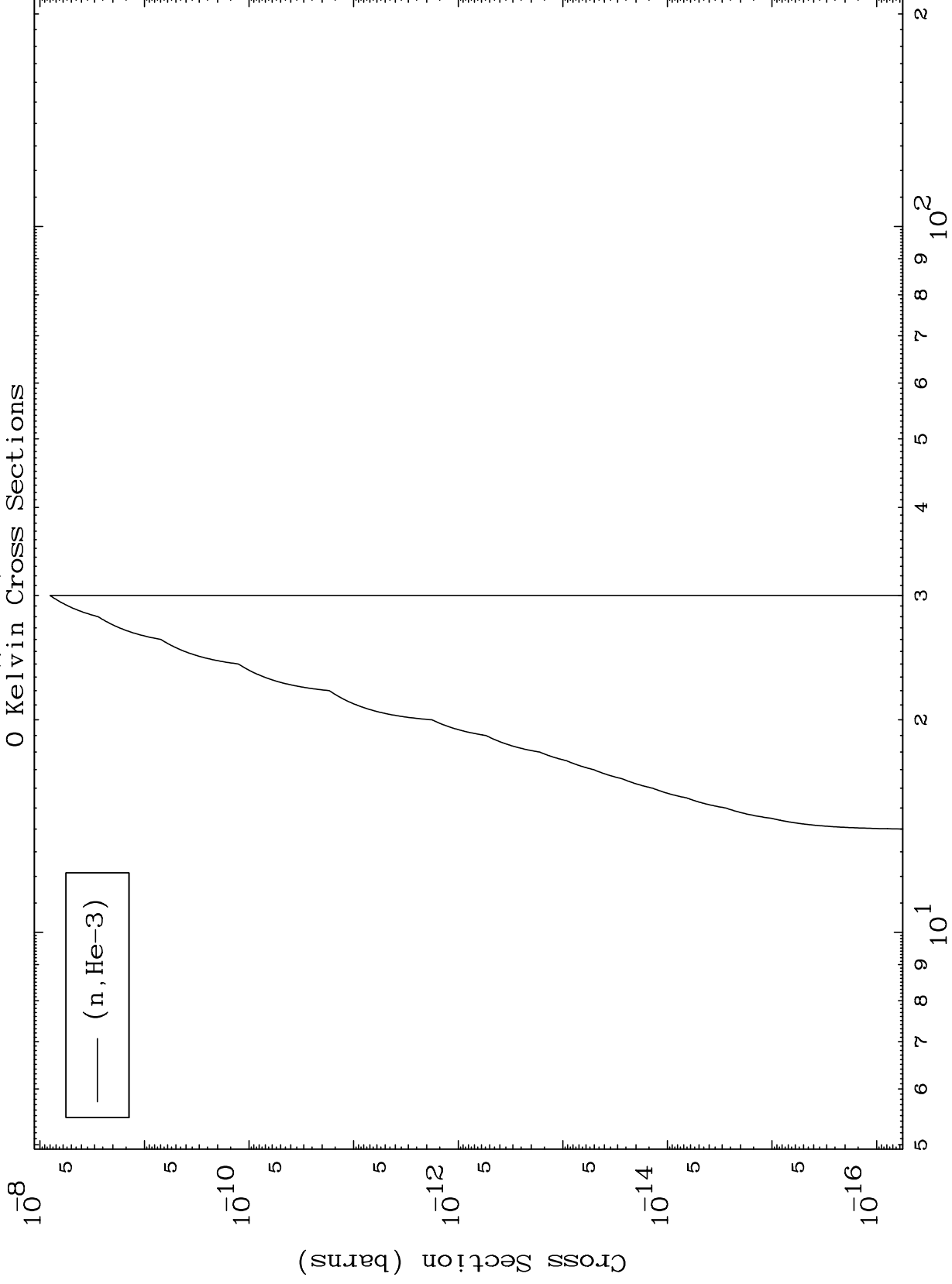




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($\gamma, \text{He}3$) Levels
0 Kelvin Cross Sections

83-Bi-196m



10

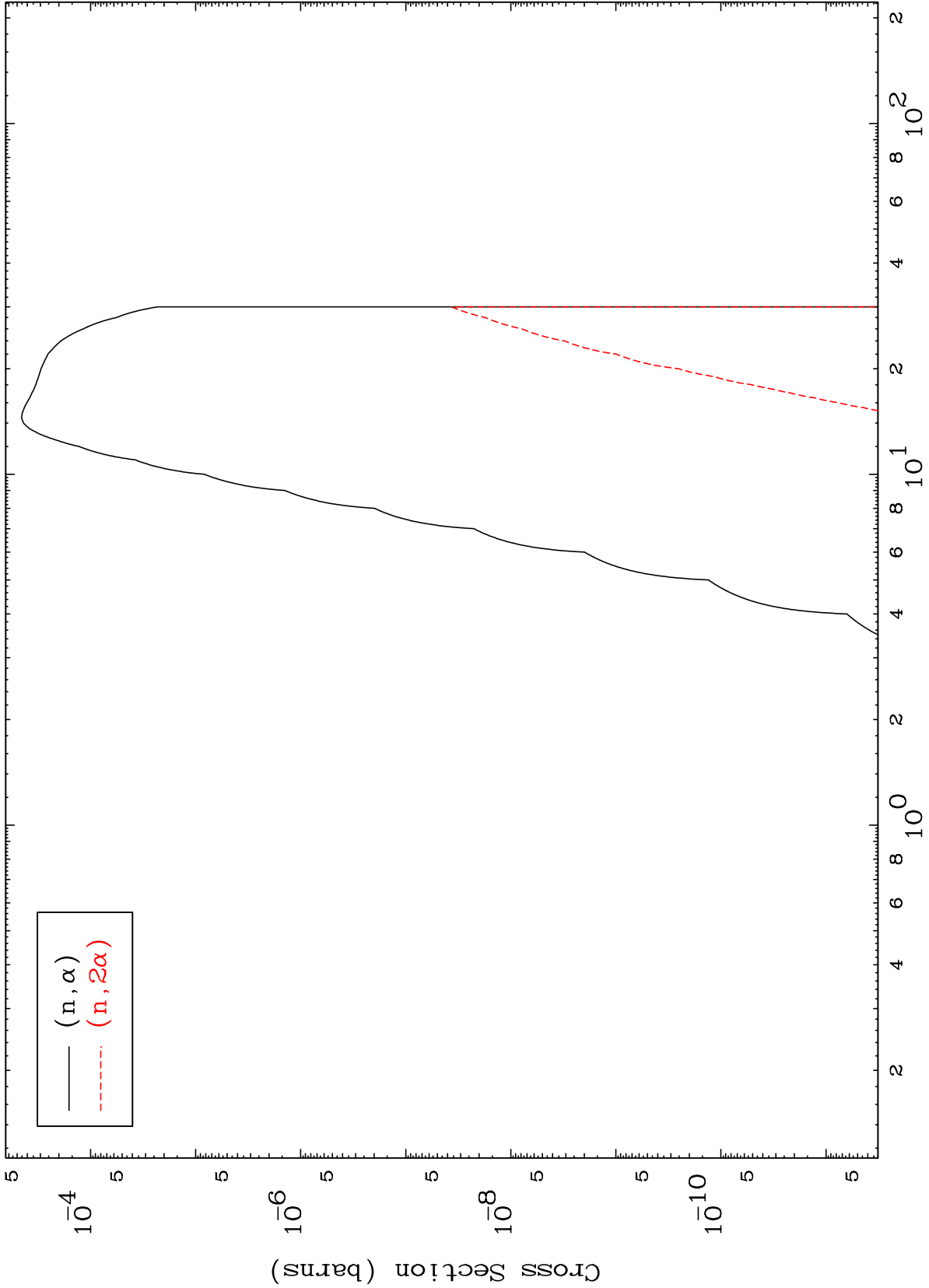
Incident Energy (MeV)

83-Bi-196m

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(γ, α) Levels
0 Kelvin Cross Sections

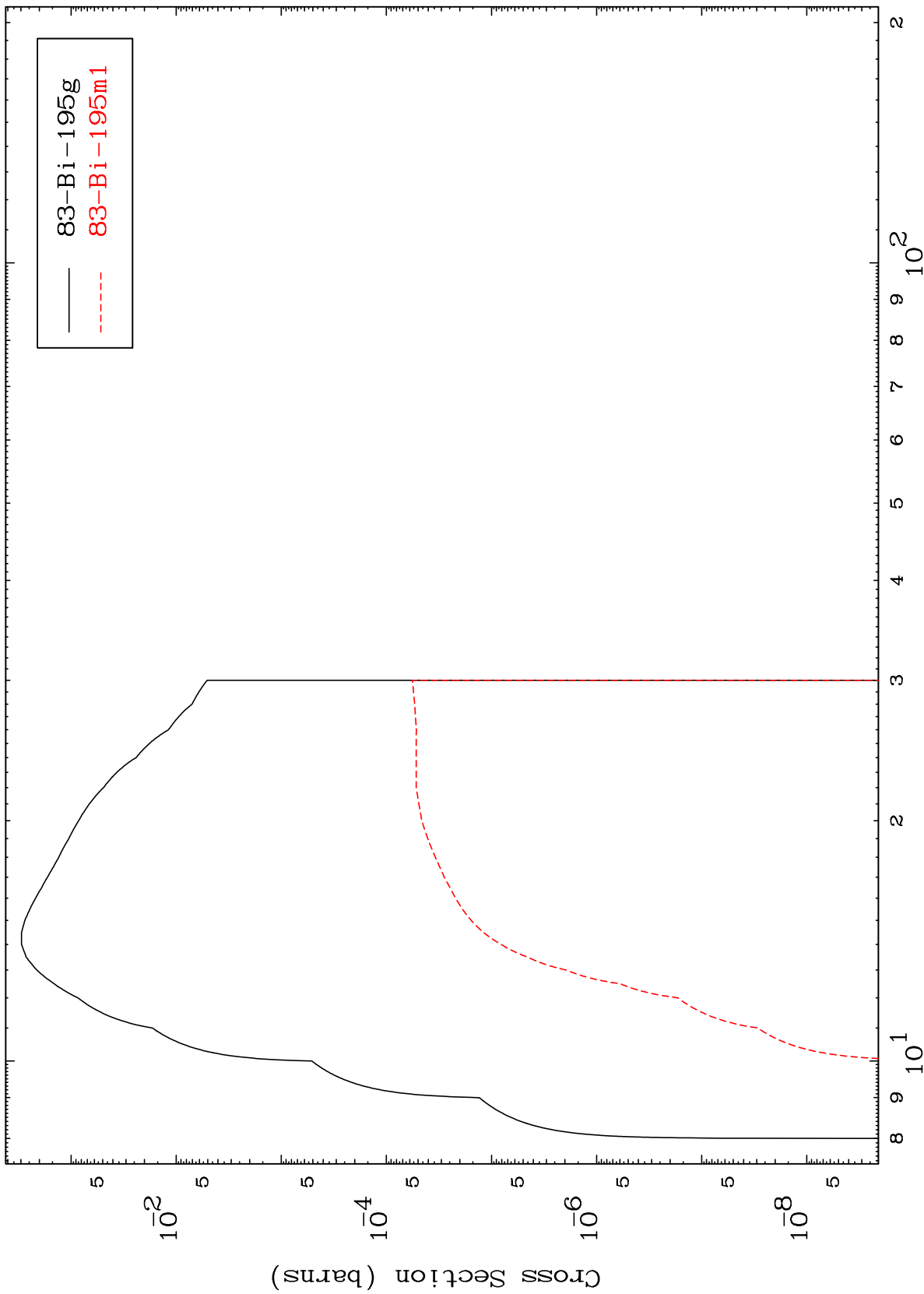
83-Bi-196m



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83-Bi-196m

Inelastic
Radionuclide Production Cross Section



12

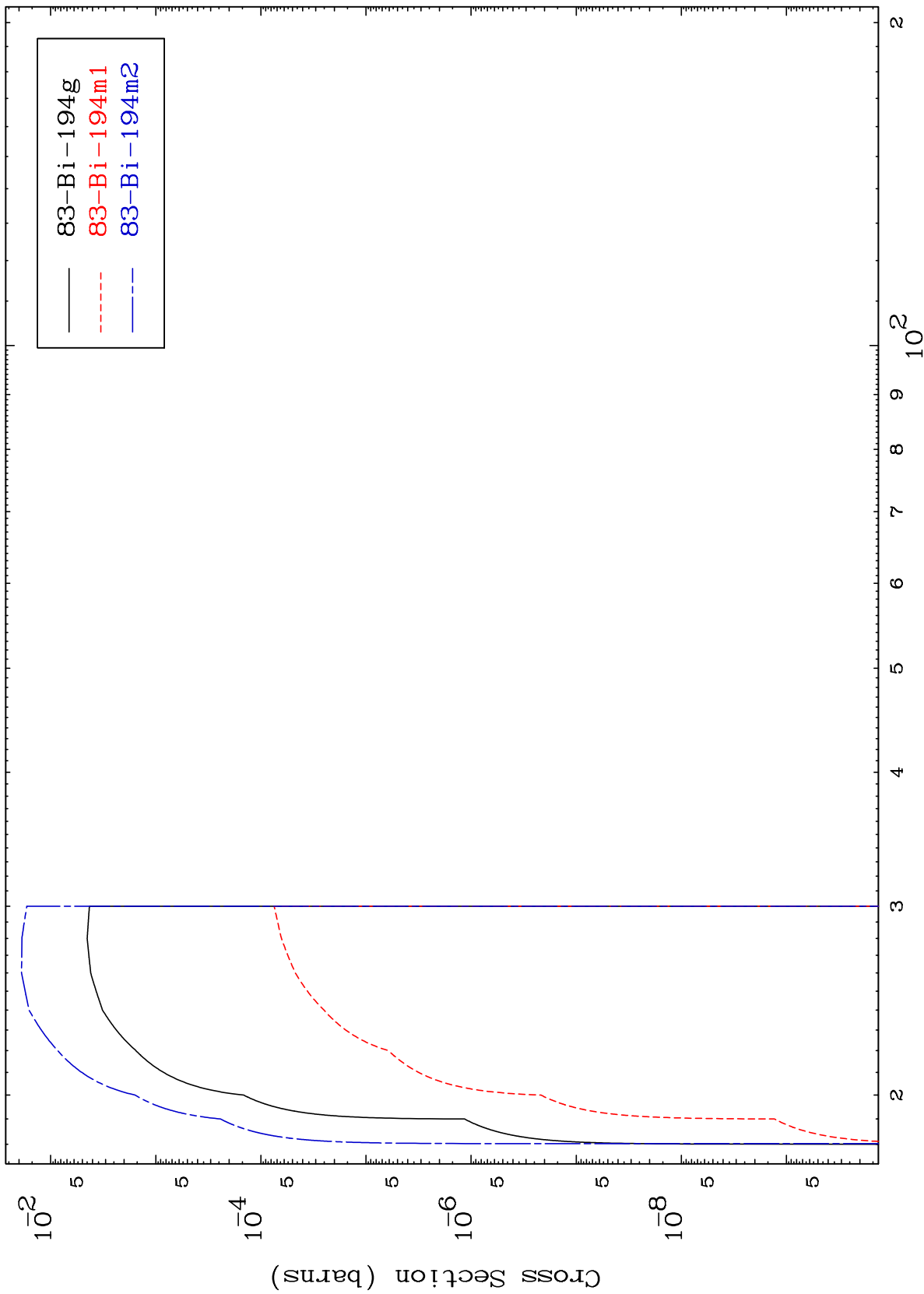
Incident Energy (MeV)

83-Bi-196m

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83-Bi-196m

(n,2n)
Radionuclide Production Cross Section



13

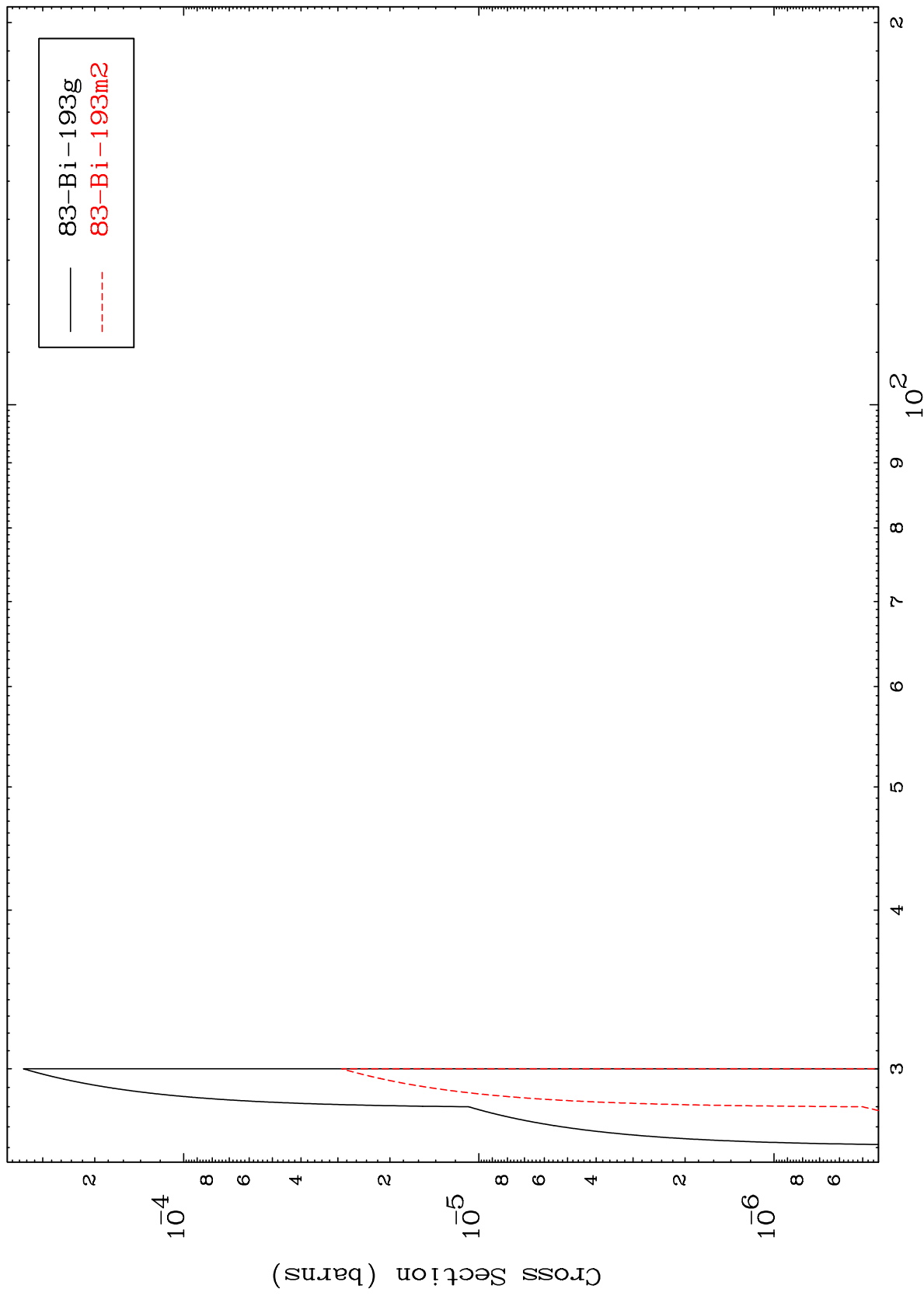
Incident Energy (MeV)

83-Bi-196m

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⁸³Bi-196m

(n,3n)
Radionuclide Production Cross Section



⁸³Bi-196m

Incident Energy (MeV)

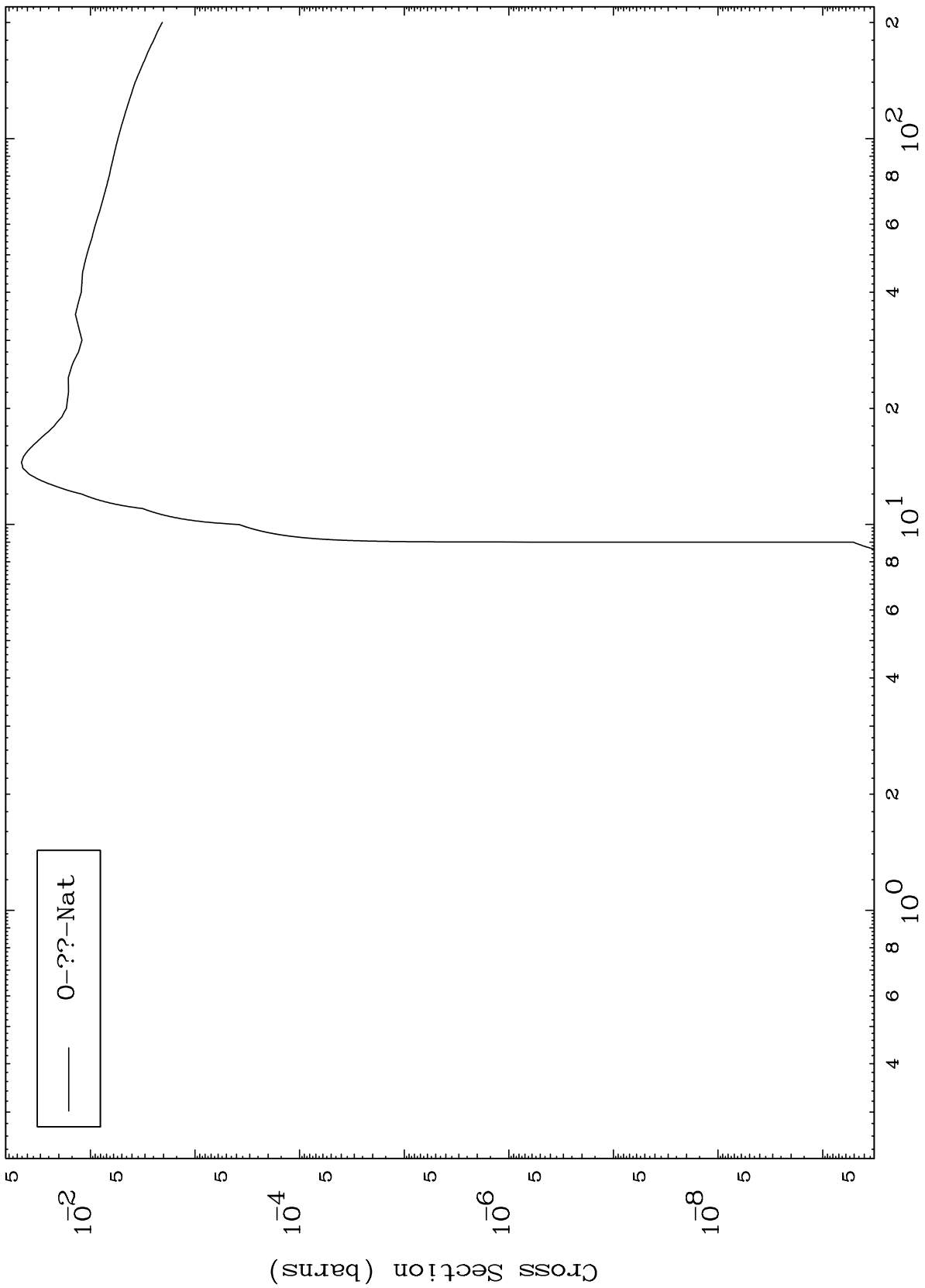
14

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Fission

⁸³Bi-196m

Radionuclide Production Cross Section

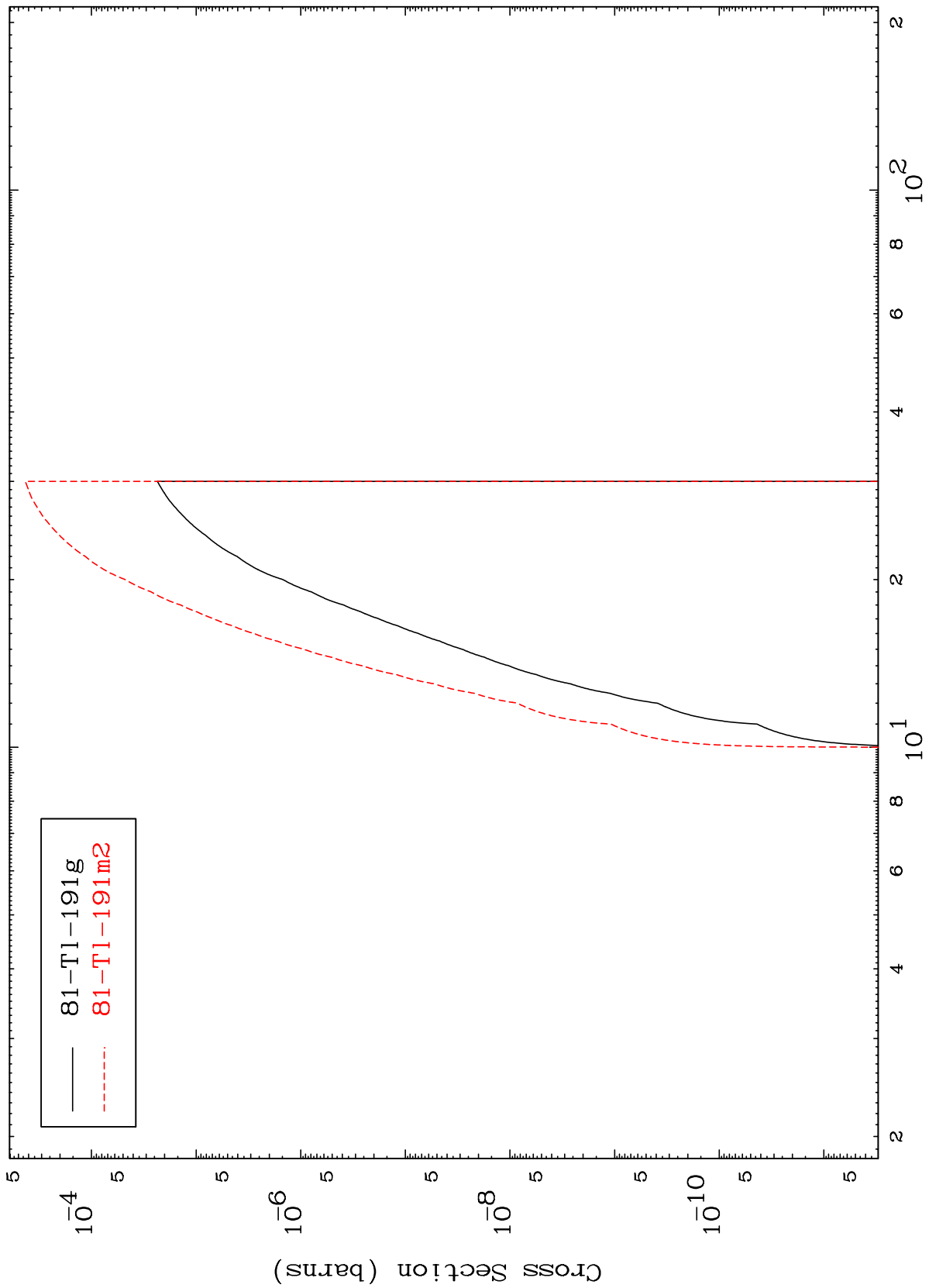


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$(n, n') \alpha$

83-Bi-196m

Radionuclide Production Cross Section



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

16

Incident Energy (MeV)

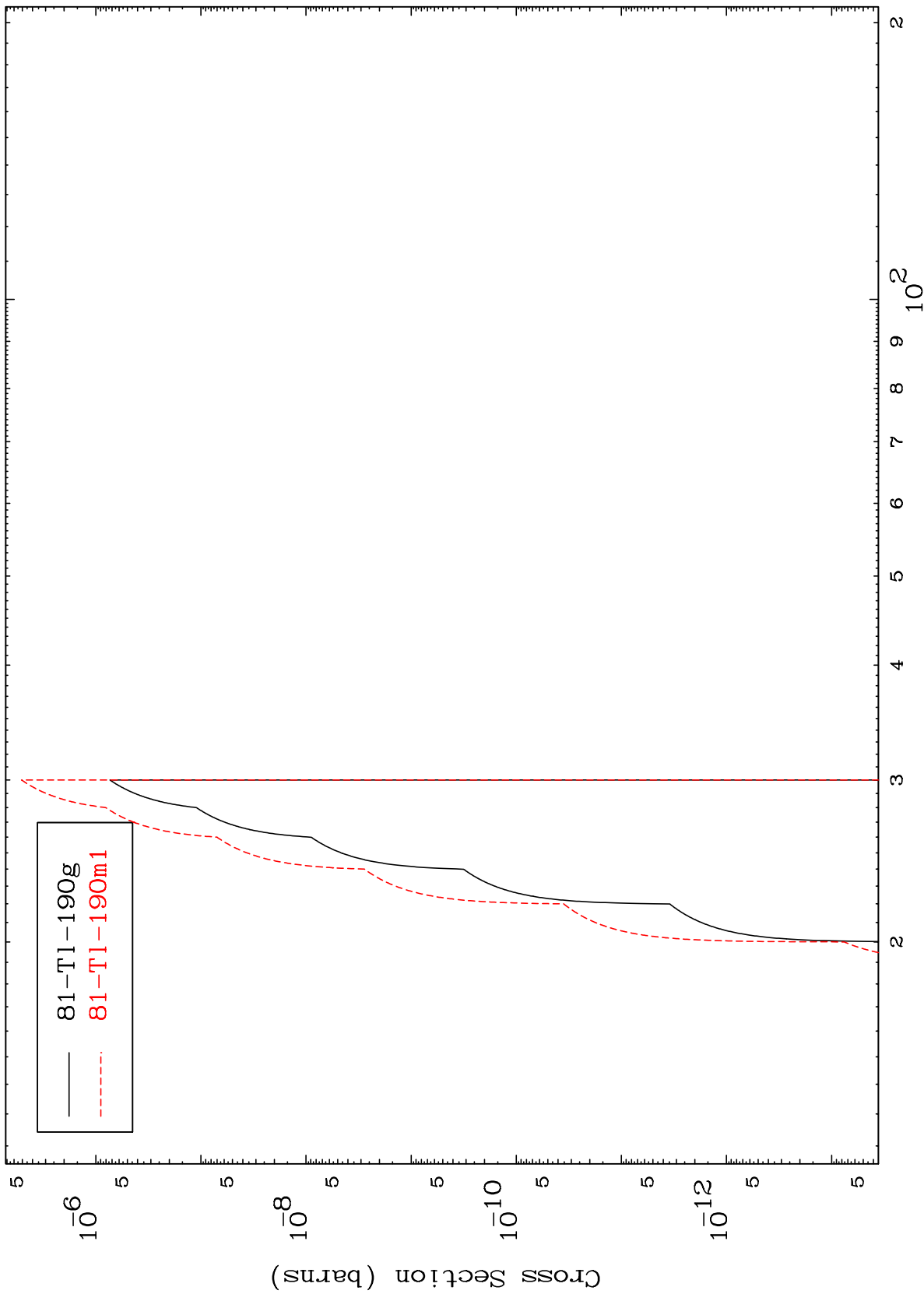
83-Bi-196m

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(n,2n) α

83-Bi-196m

Radionuclide Production Cross Section

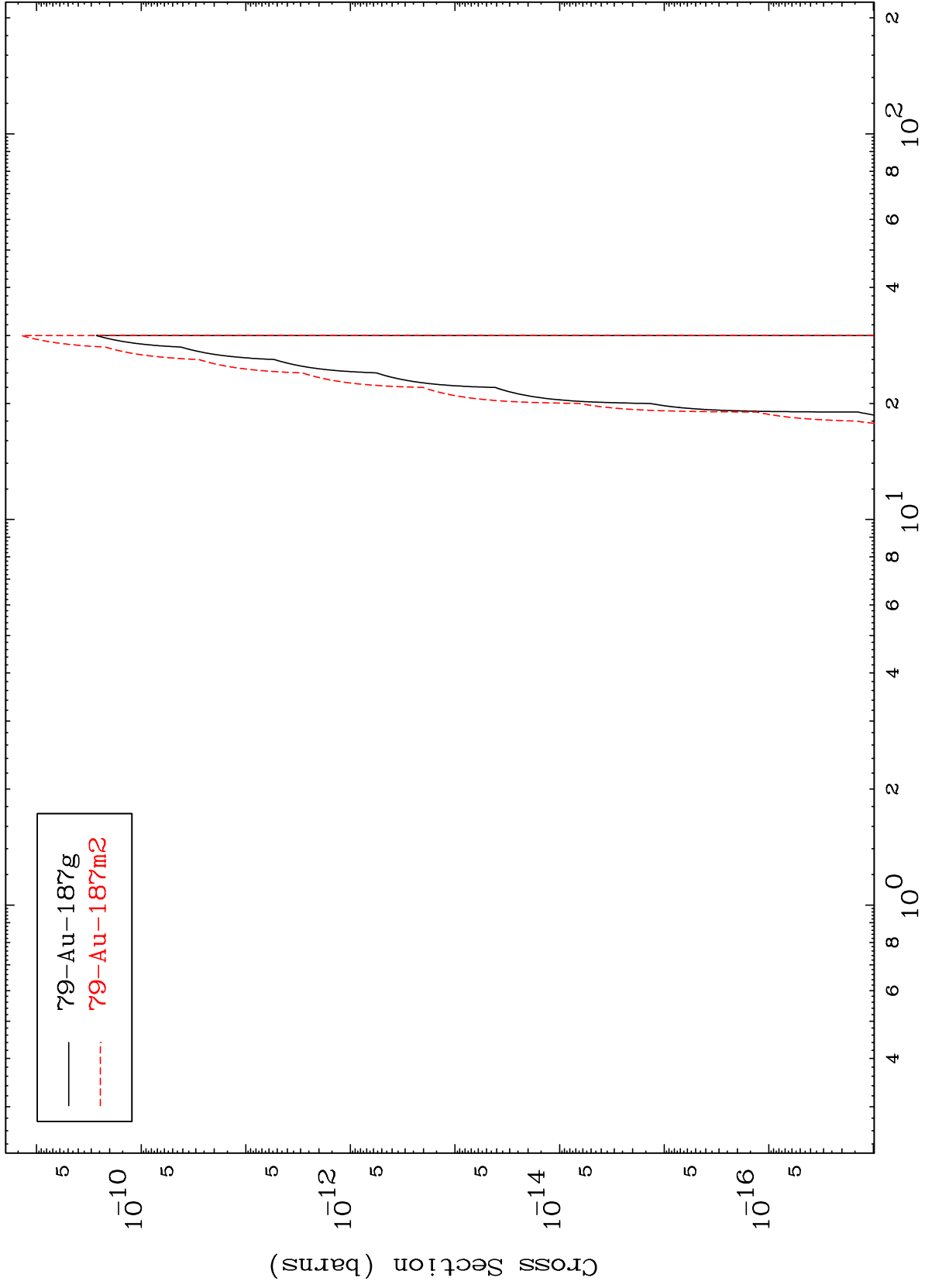


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(n, n') 2α

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

Radionuclide Production Cross Section

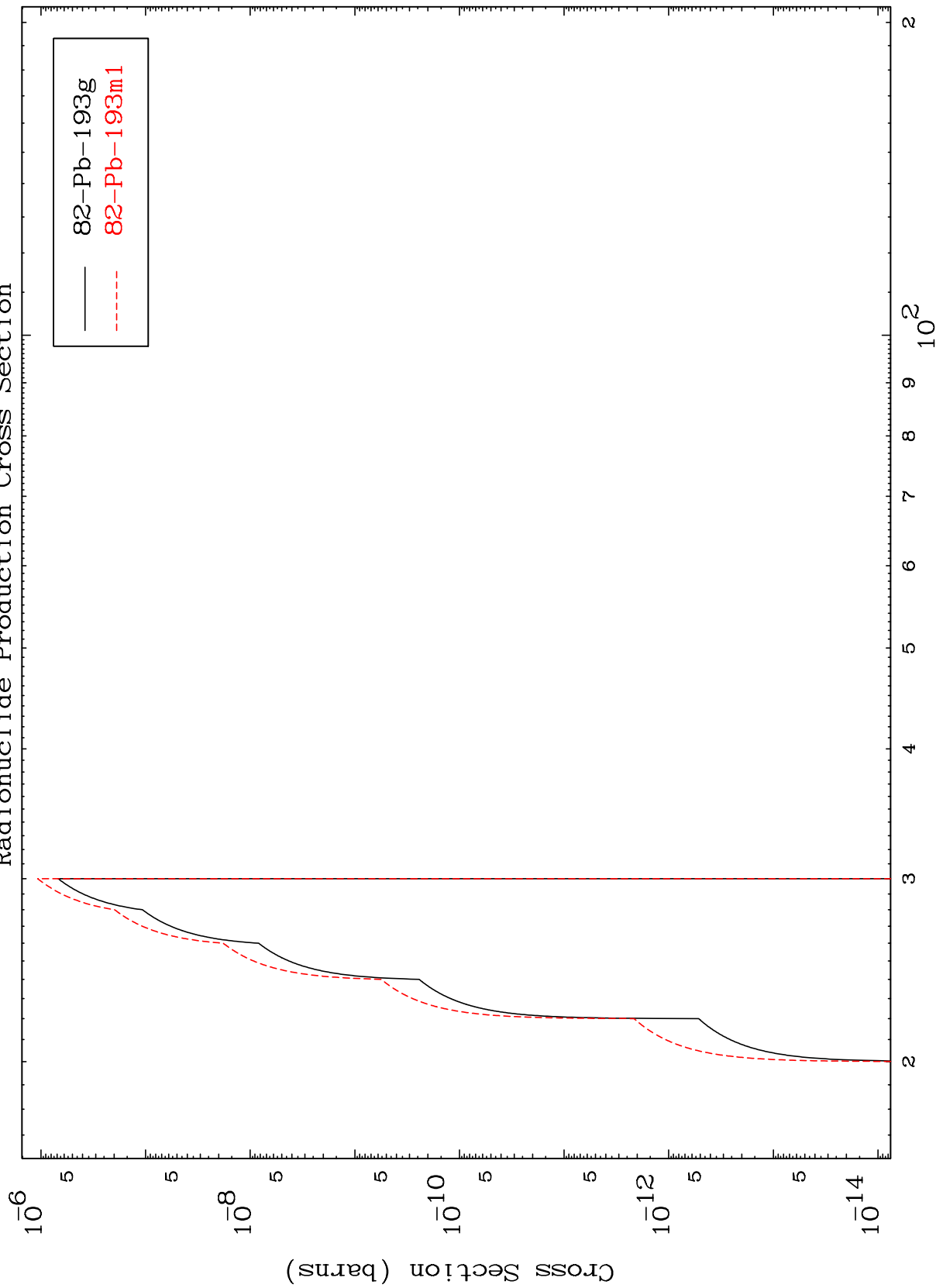


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(n,n') d

83-Bi-196m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

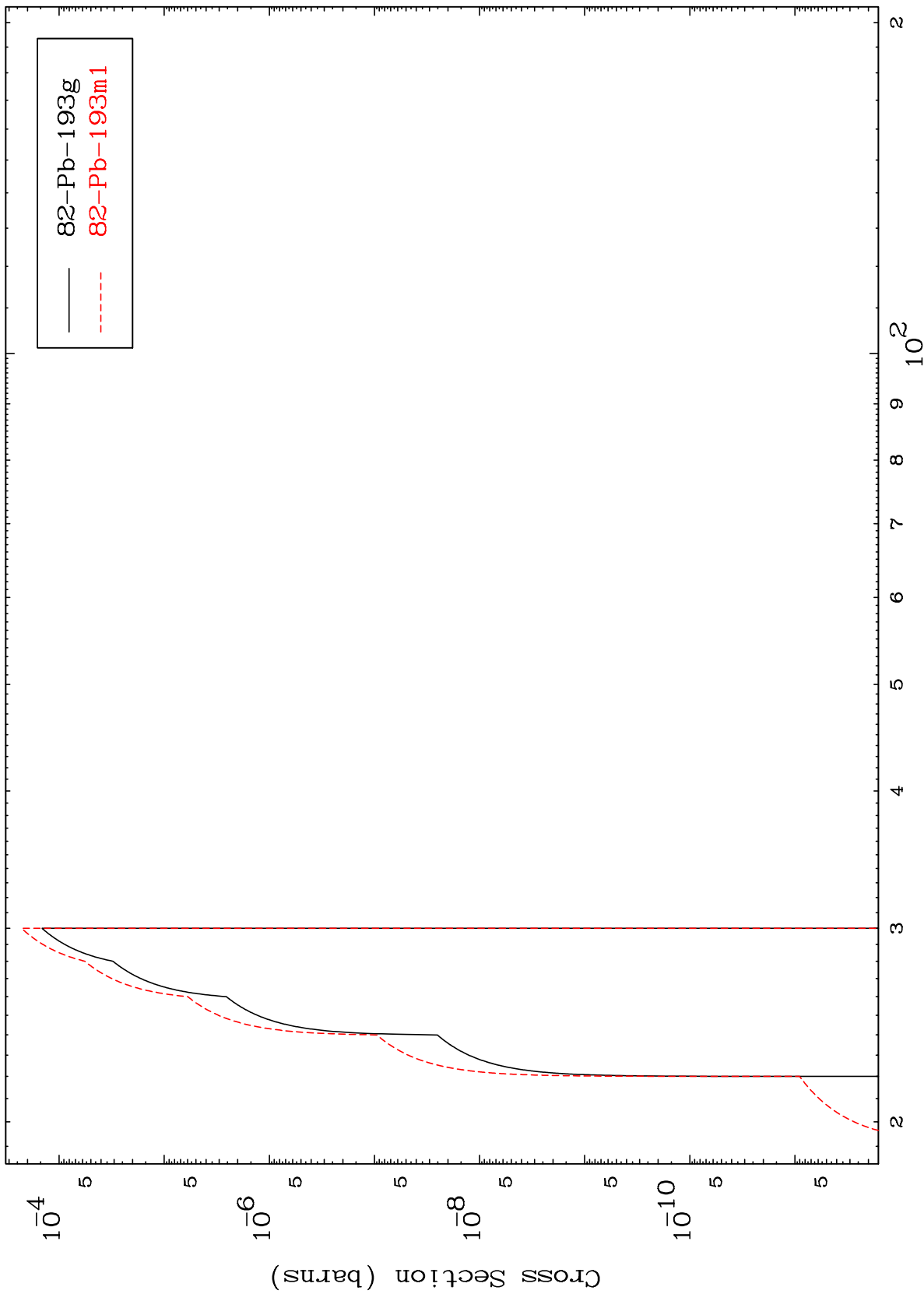
83-Bi-196m

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(n,2n) p

83-Bi-196m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

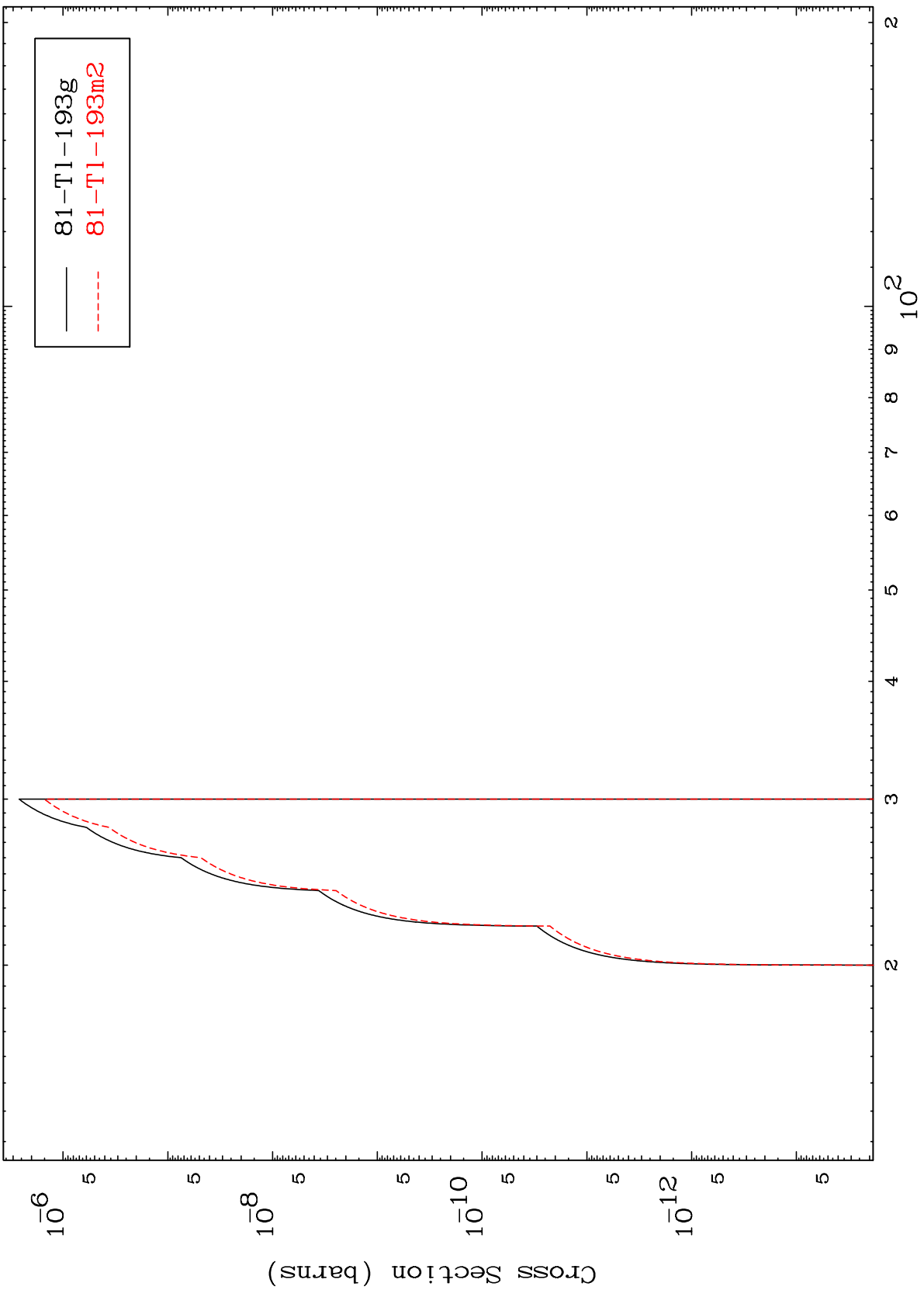
83-Bi-196m

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(n,2n) p

83-Bi-196m

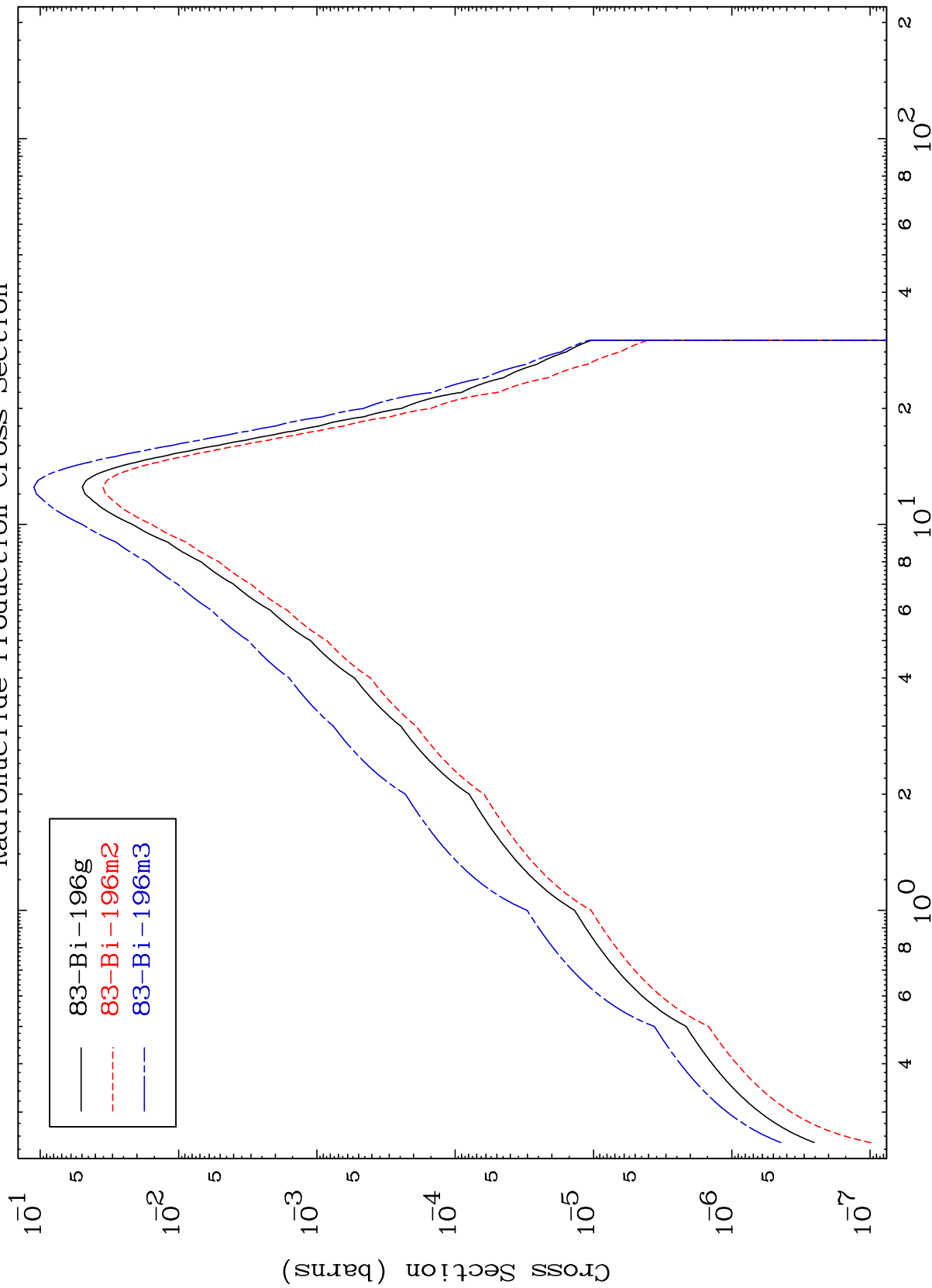
Radionuclide Production Cross Section



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

(n, γ)
Radionuclide Production Cross Section



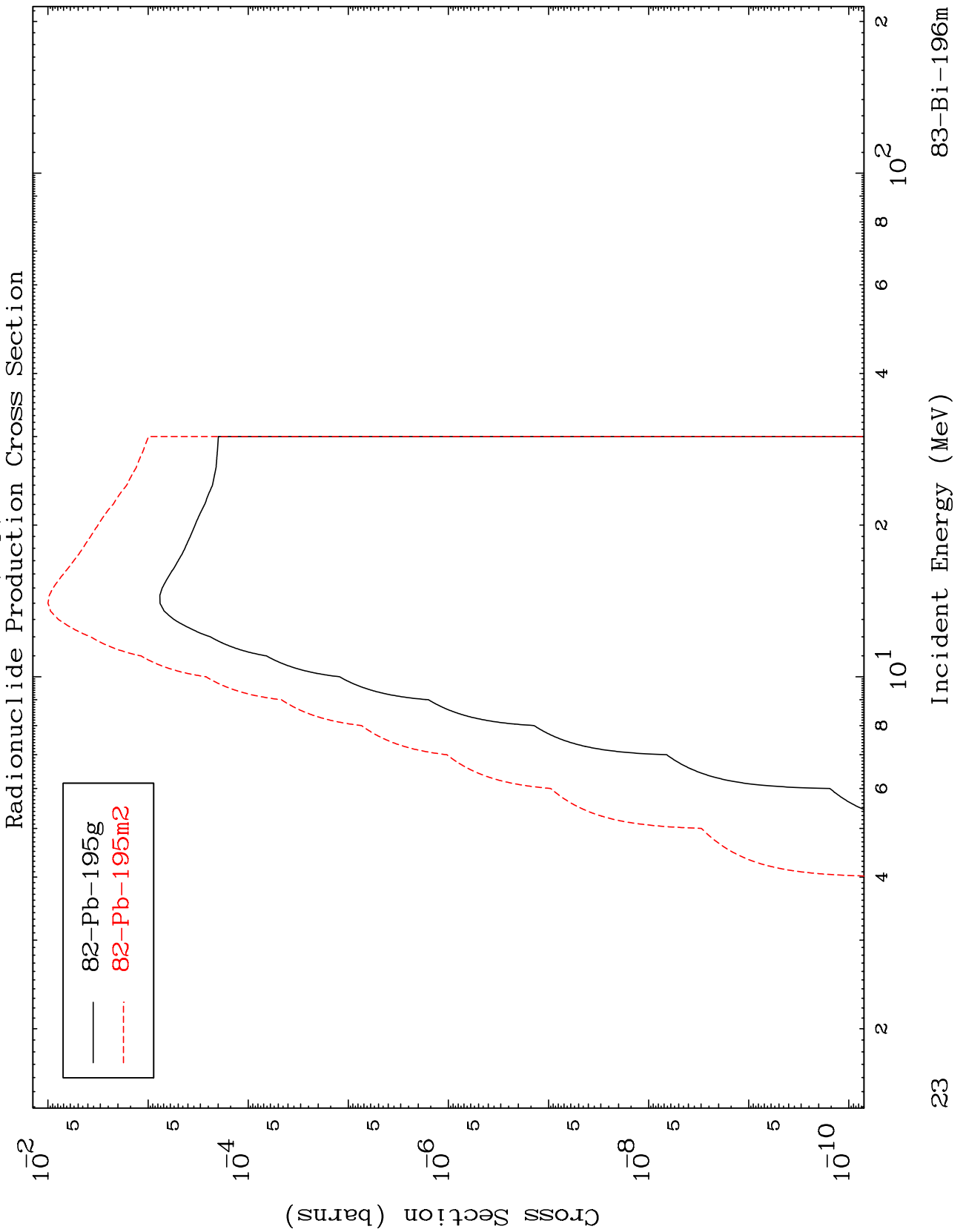
22

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

Incident Energy (MeV)

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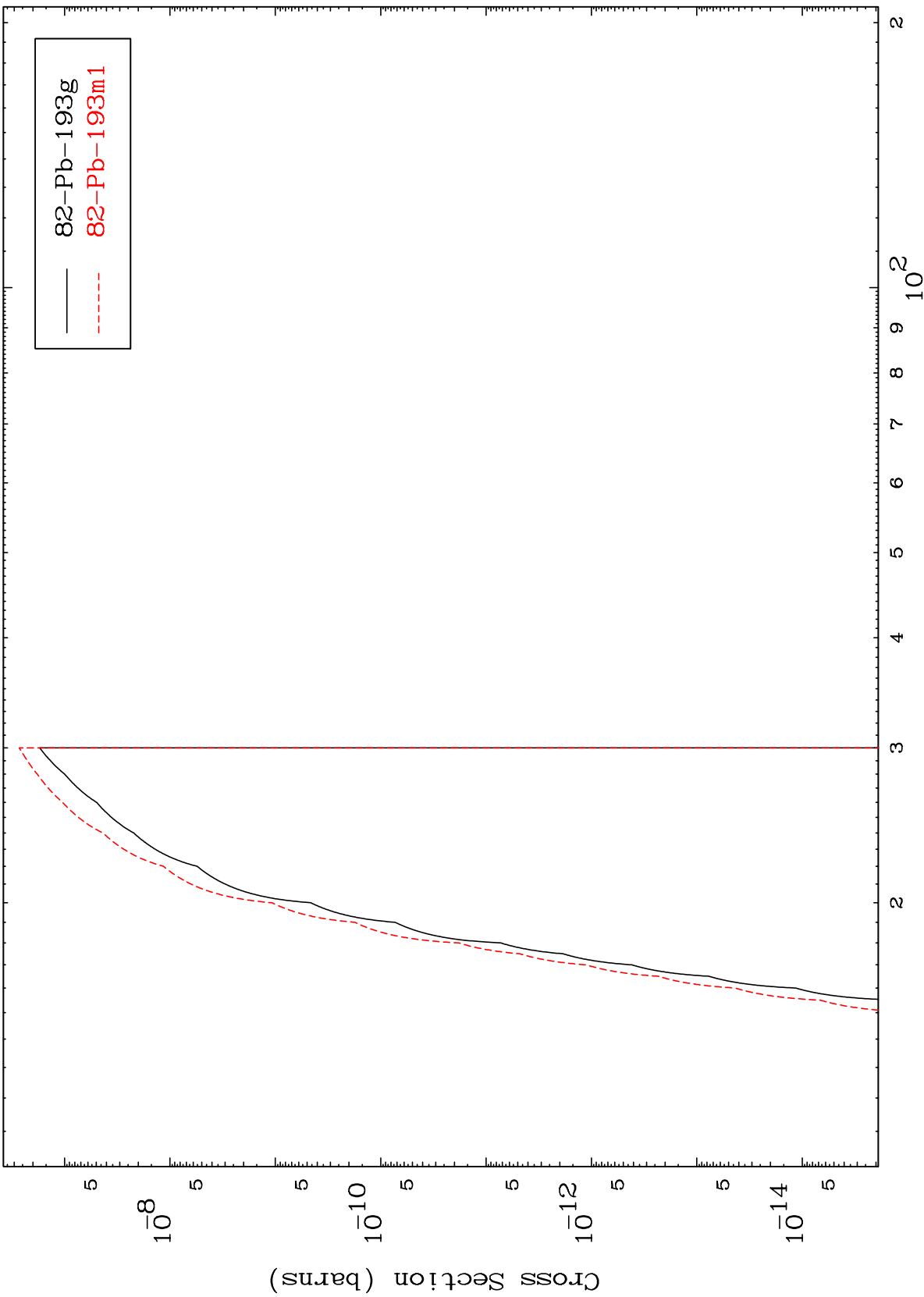
⁸³Bi-196m



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83-Bi-196m

(n,t)
Radionuclide Production Cross Section



82-Pb-193g
82-Pb-193m1

24

Incident Energy (MeV)

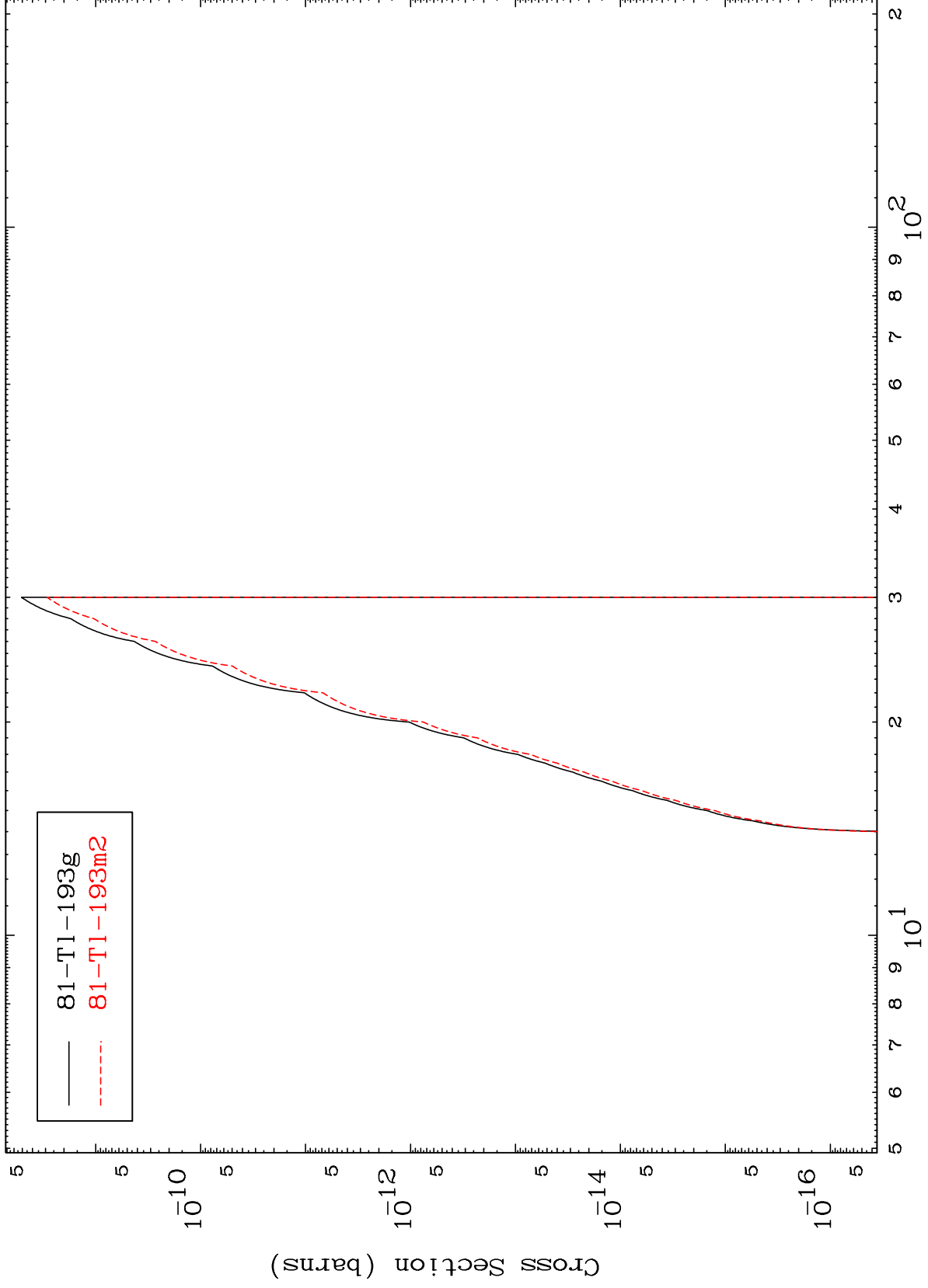
83-Bi-196m

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(n,He-3)

83-Bi-196m

Radionuclide Production Cross Section



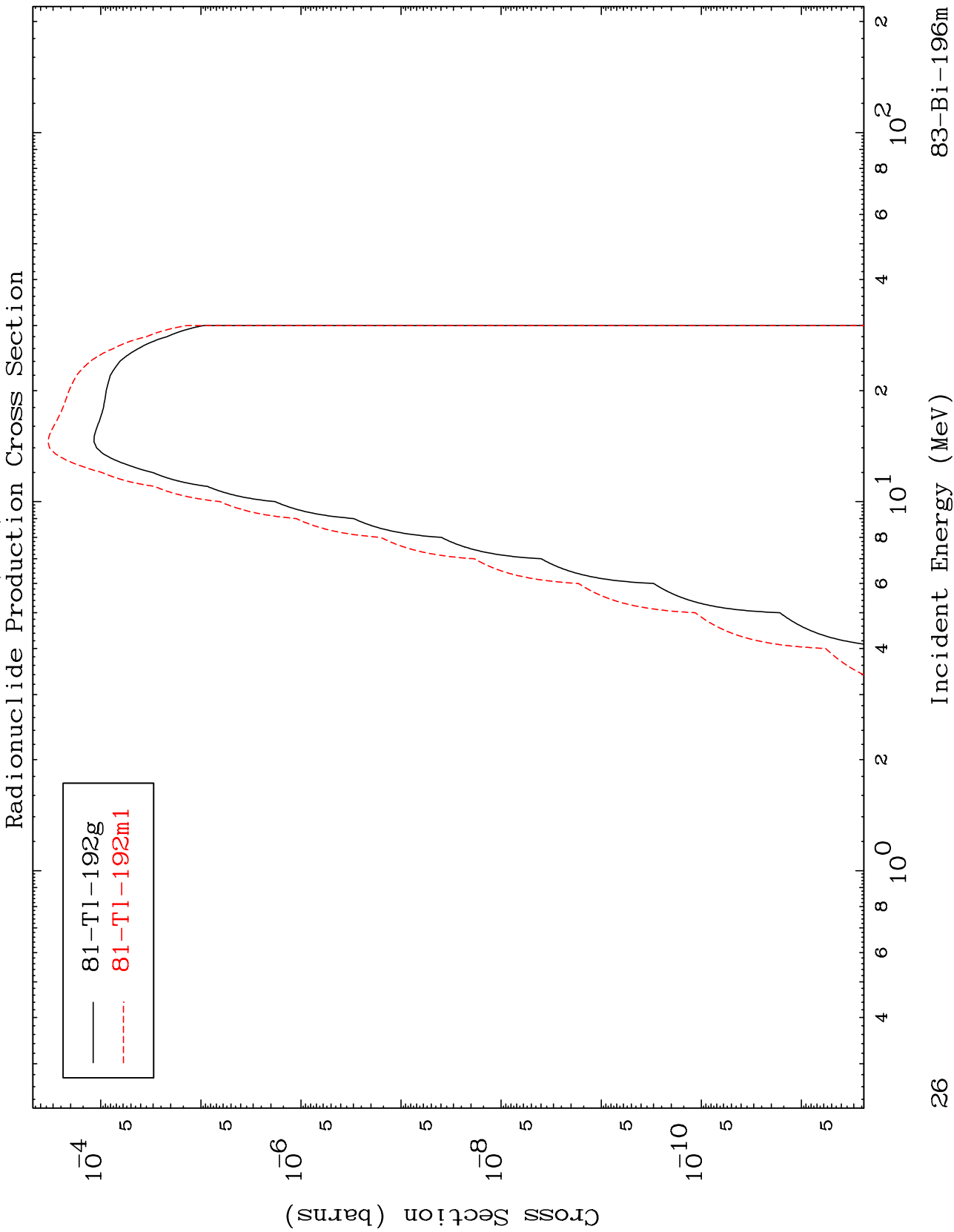
25

Incident Energy (MeV)

83-Bi-196m

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⁸³Bi-196m

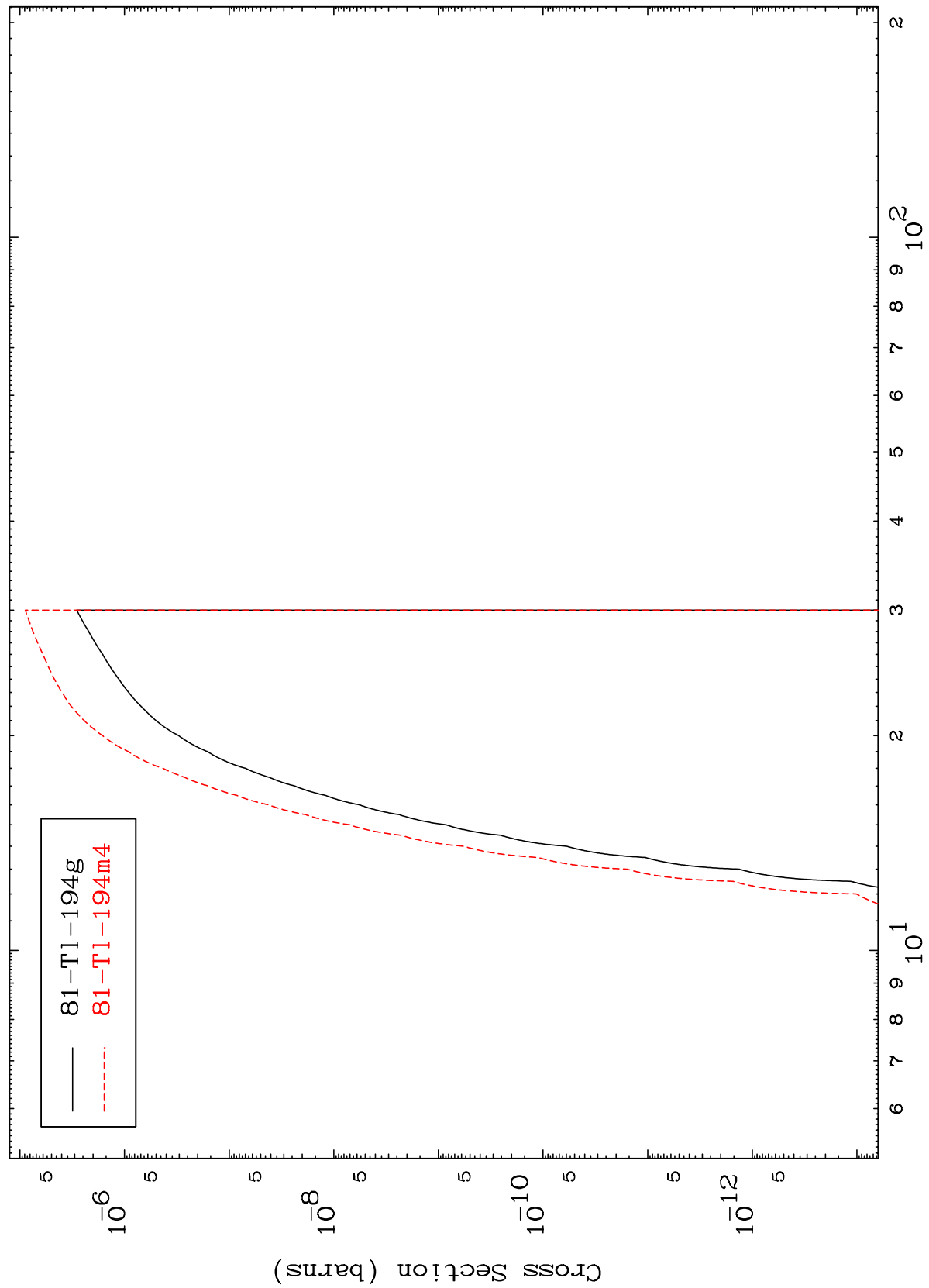


⁸³Bi-196m

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83-Bi-196m

(n,2p)
Radionuclide Production Cross Section



27

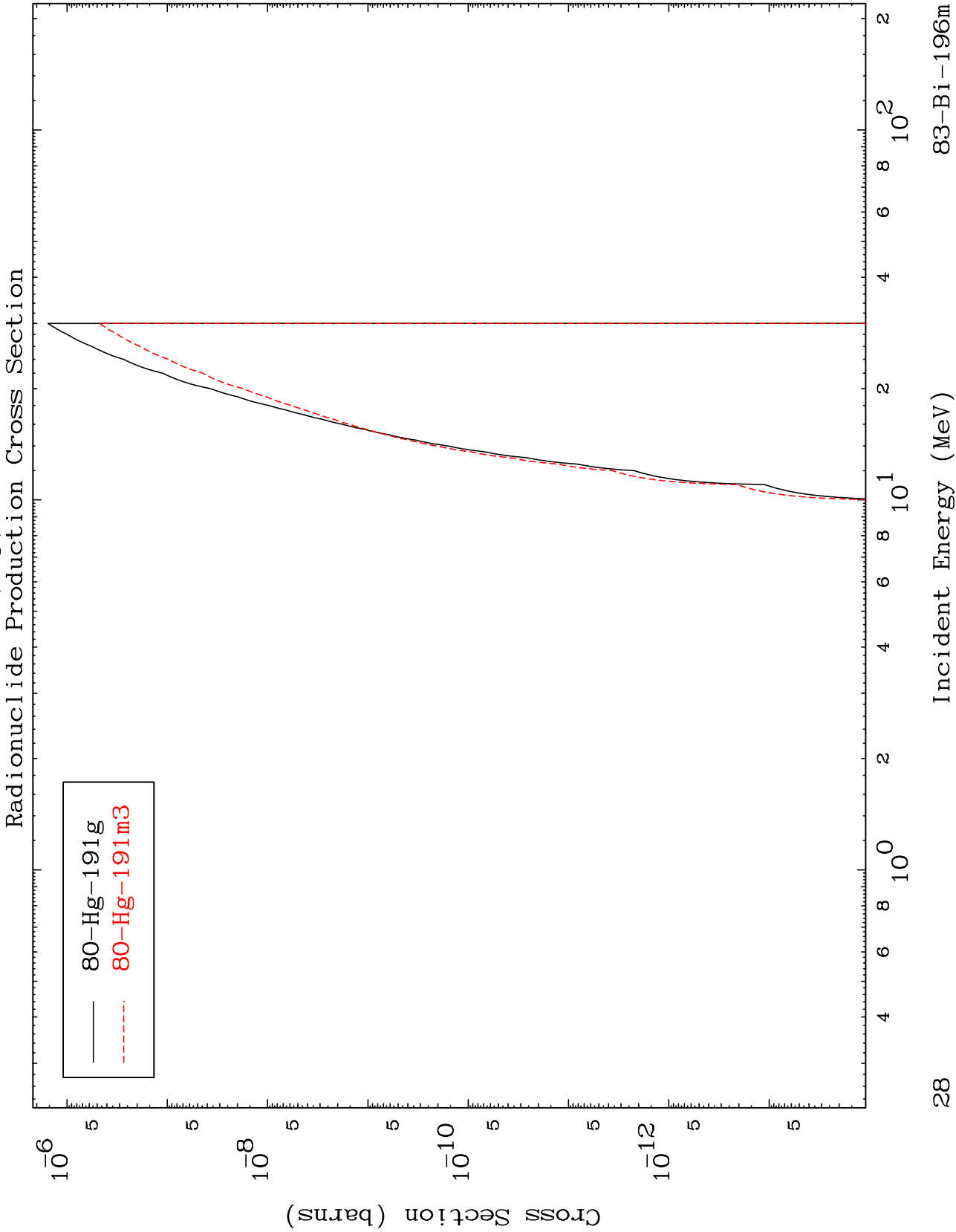
83-Bi-196m

Incident Energy (MeV)

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(n,p) α

83-Bi-196m



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(n,p) d

83-Bi-196m

Radionuclide Production Cross Section

