

Program EVALPLOT
(Version 2021-1)

by

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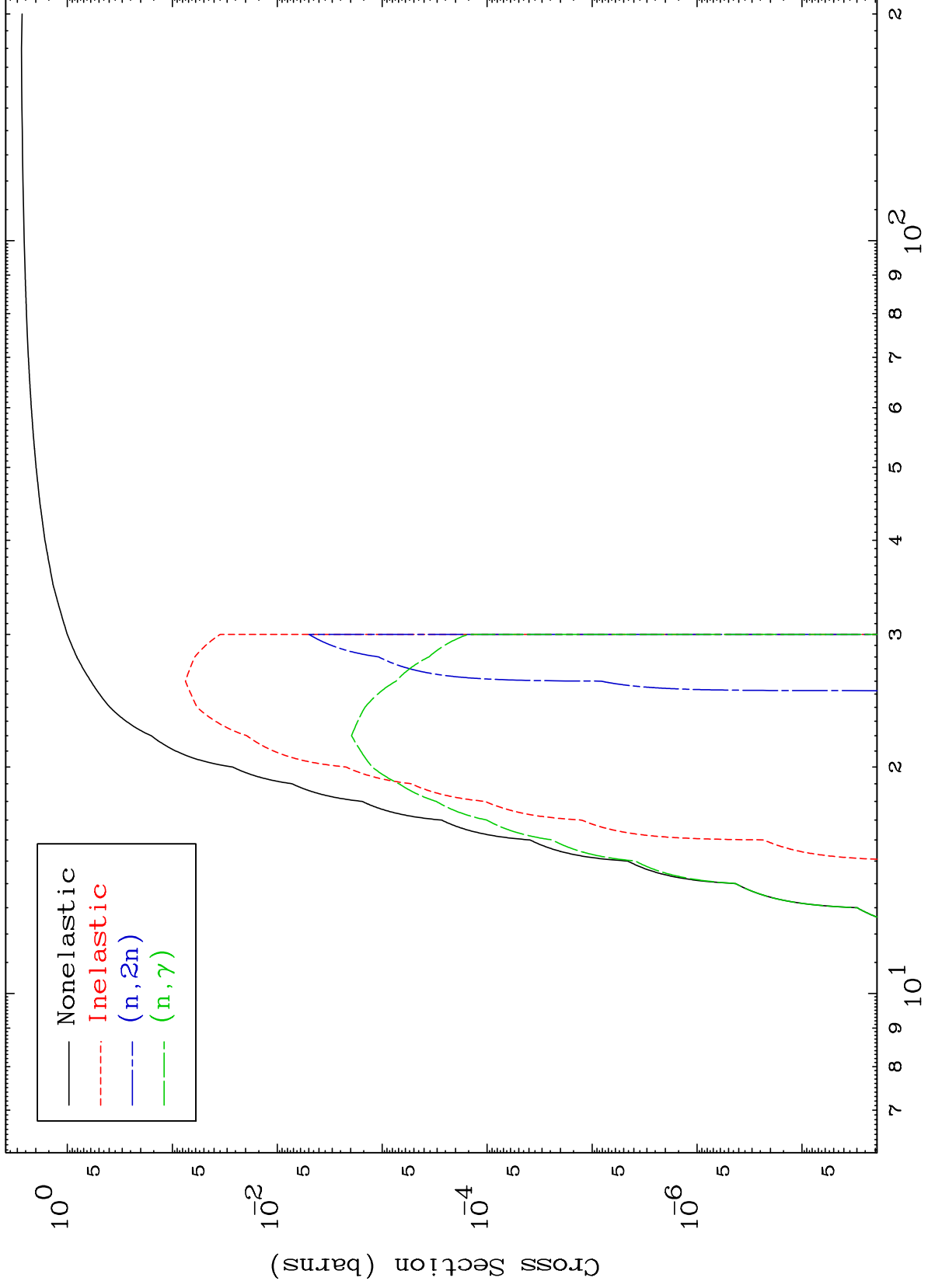
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8287

0 Kelvin Cross Sections

83-Bi-196m



1

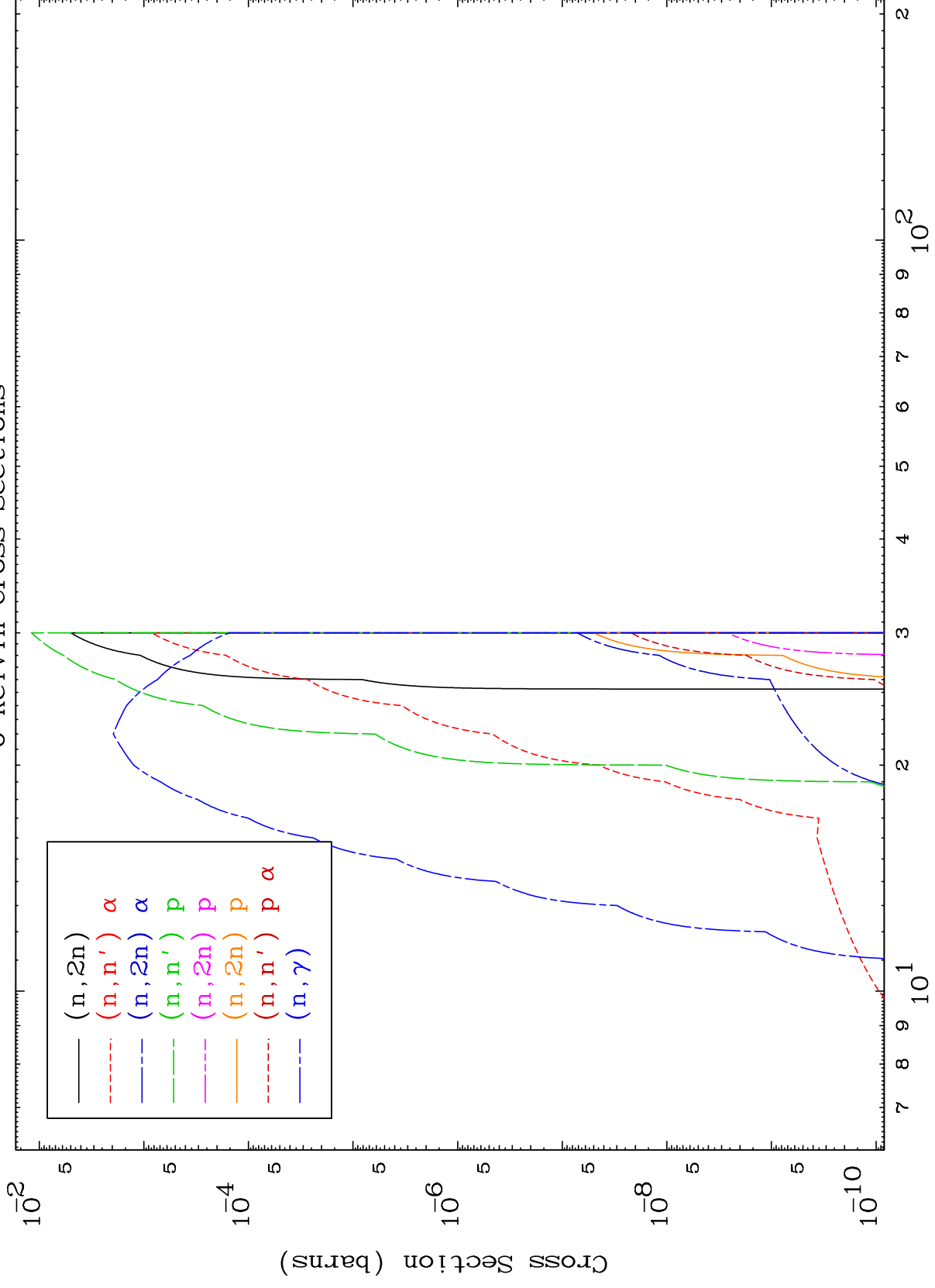
Incident Energy (MeV)

83-Bi-196m

MAT 8287

α Neutron Absorption
0 Kelvin Cross Sections

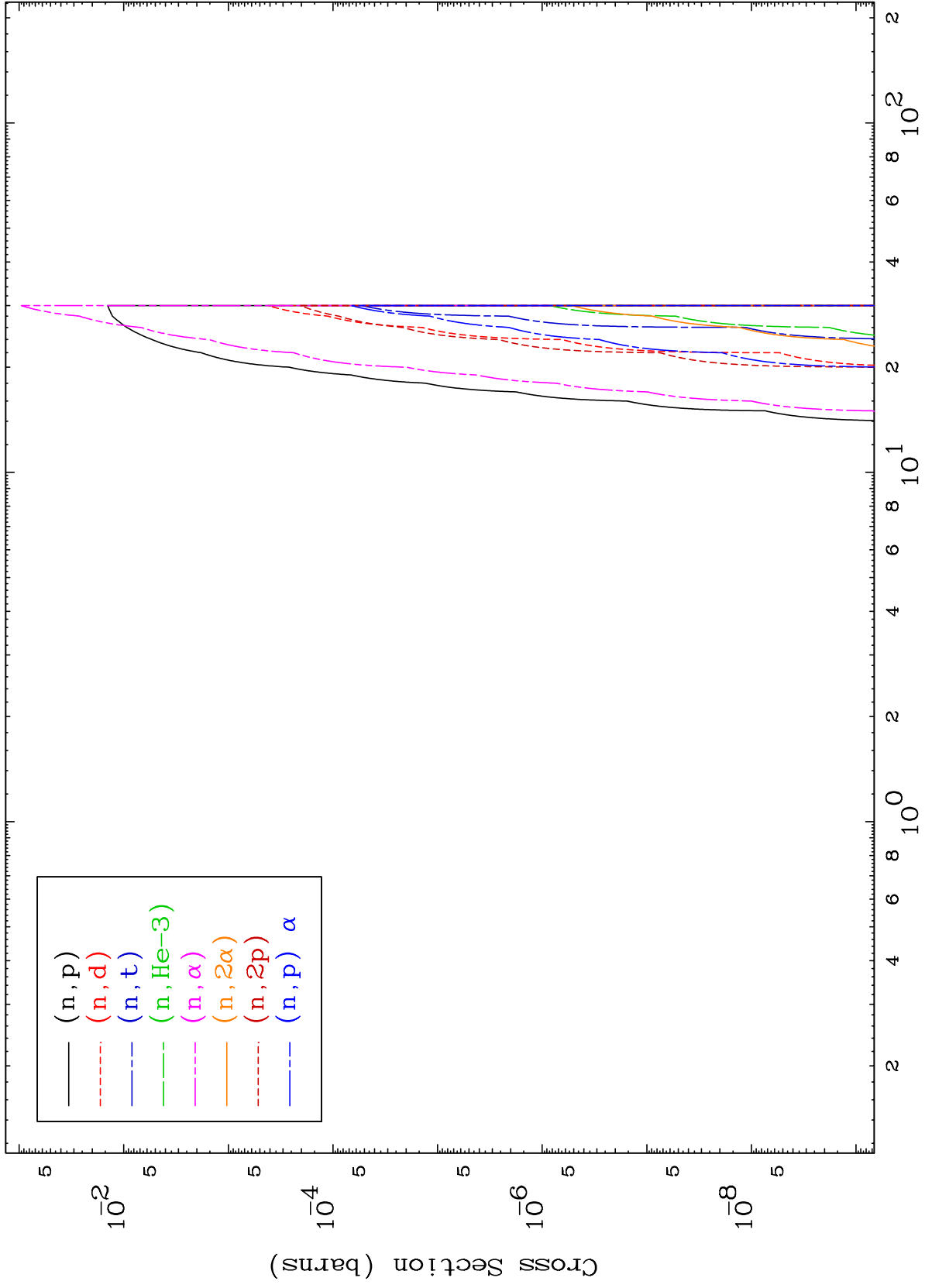
83-Bi-196m



2

Incident Energy (MeV)

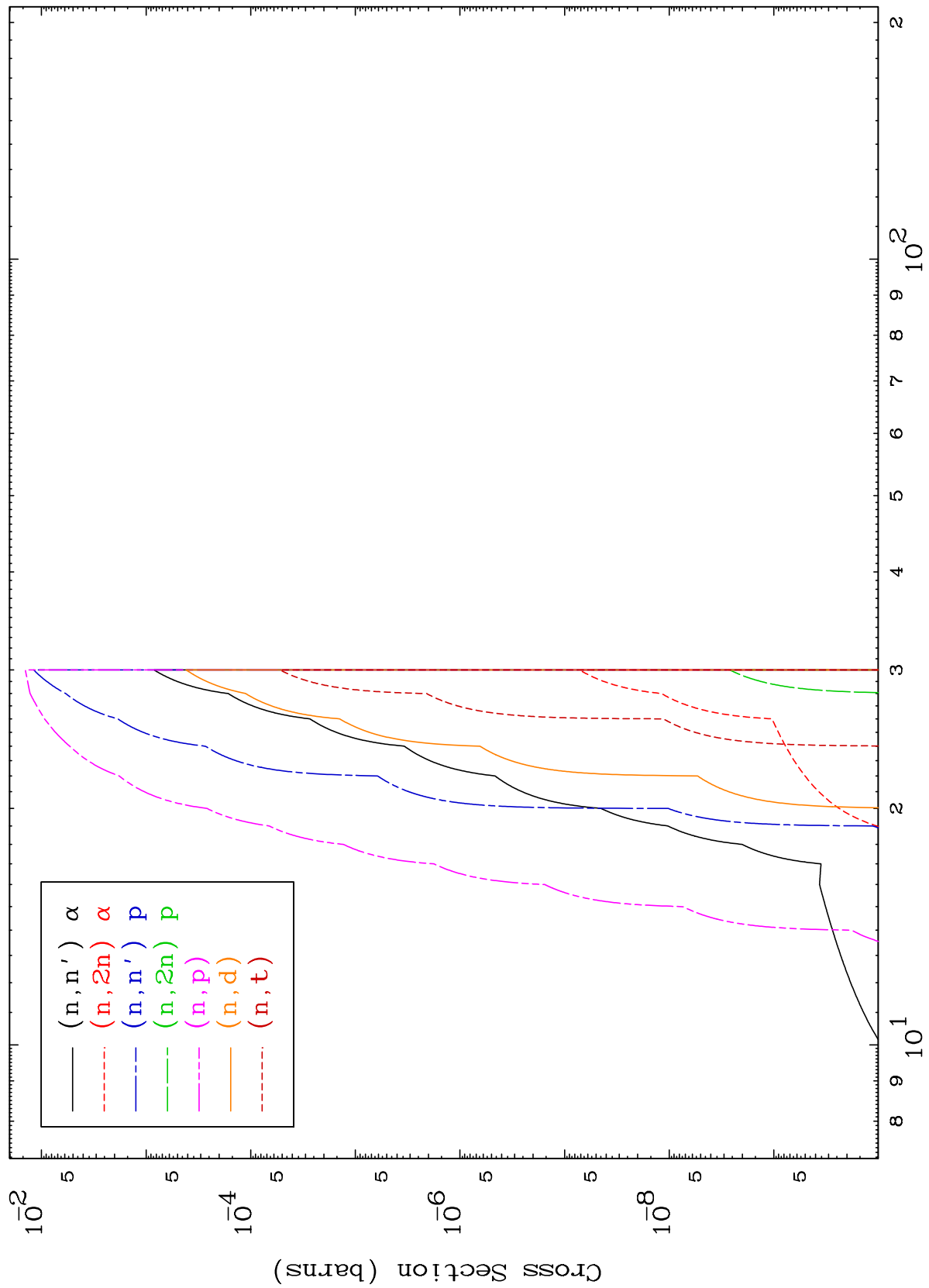
83-Bi-196m



MAT 8287

α Charged Particle
0 Kelvin Cross Sections

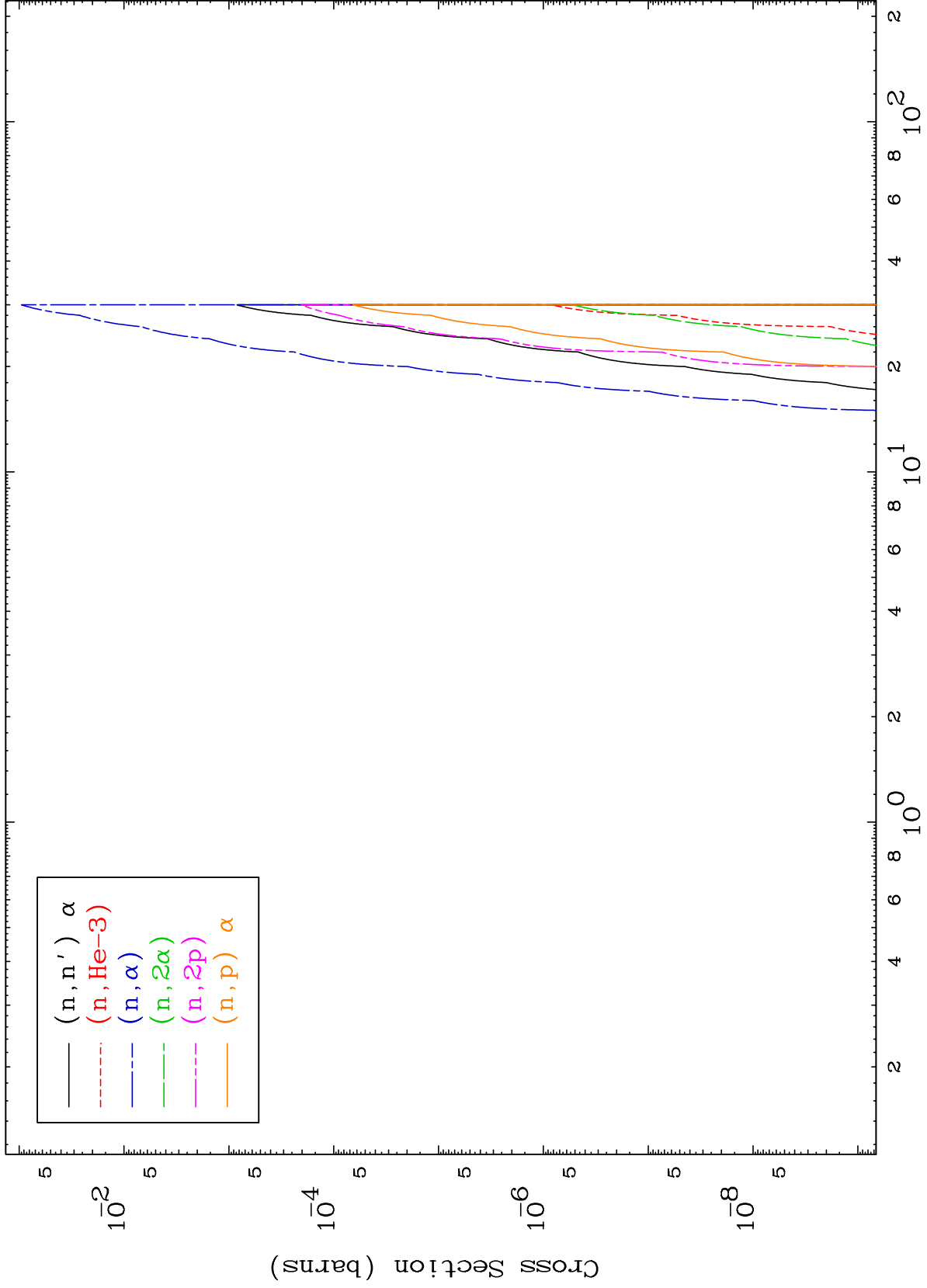
83-Bi-196m



4

Incident Energy (MeV)

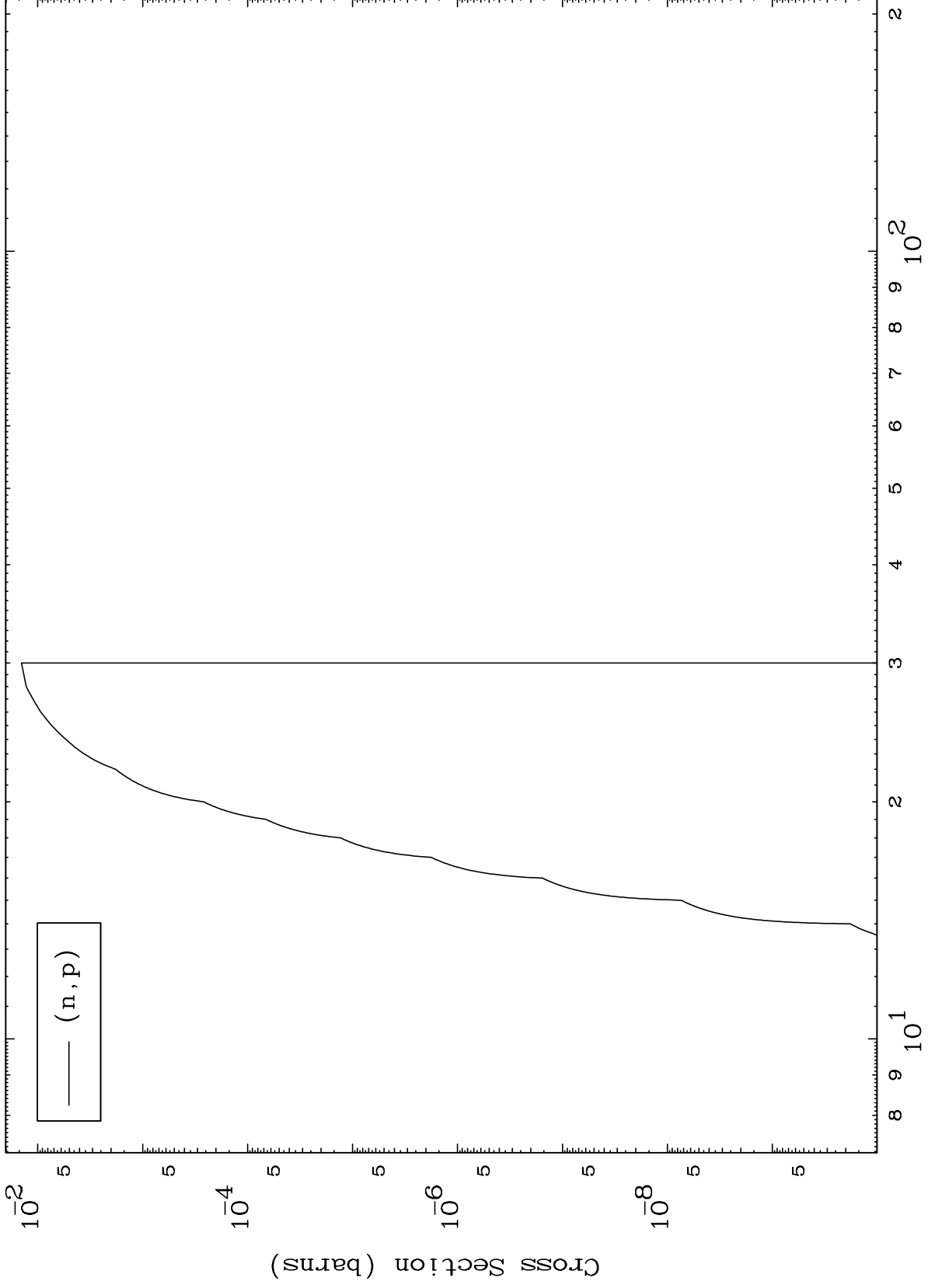
83-Bi-196m



MAT 8287

(α, p) Levels
0 Kelvin Cross Sections

83-Bi-196m



6

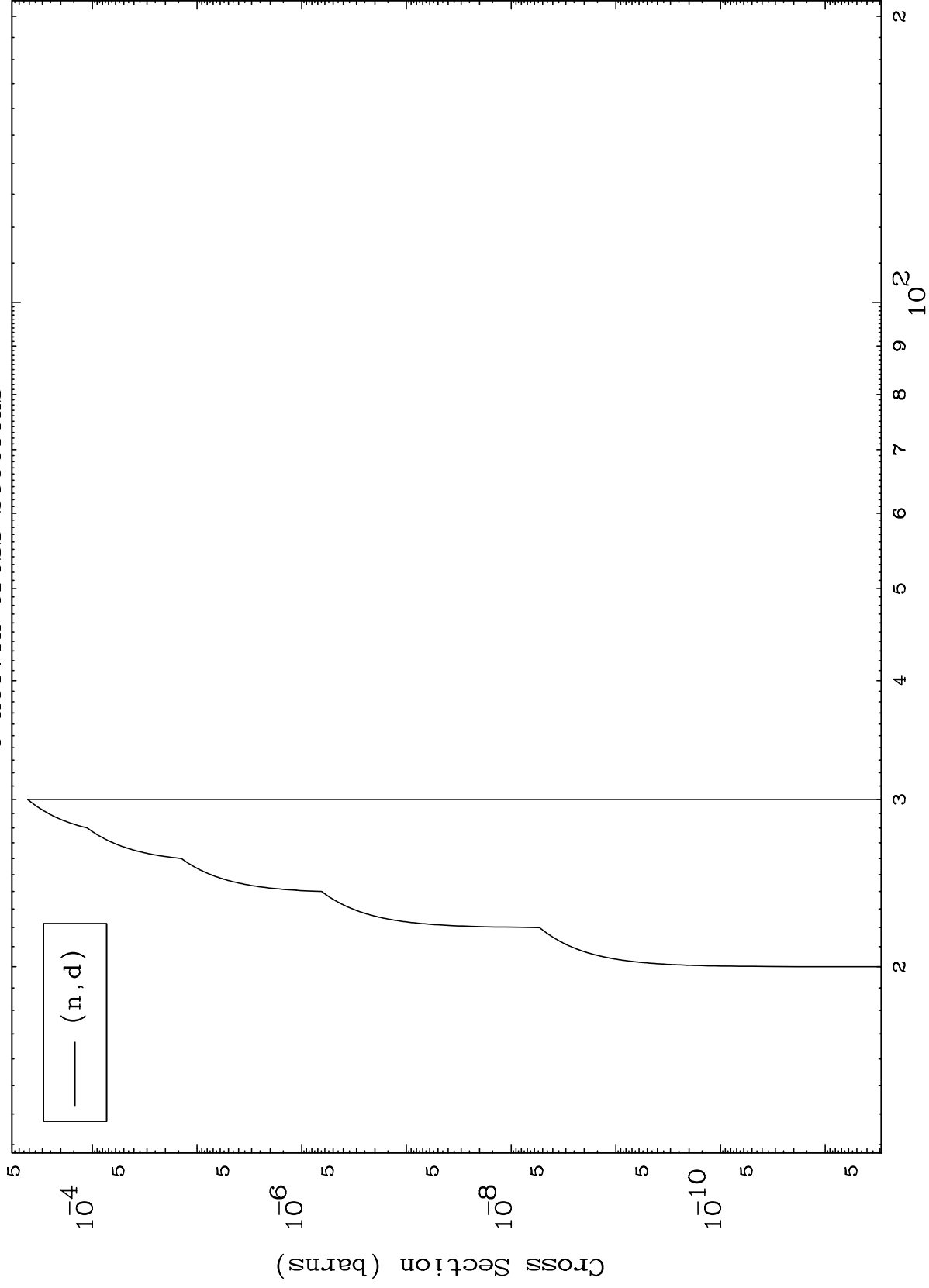
Incident Energy (MeV)

83-Bi-196m

MAT 8287

(α, d) Levels
0 Kelvin Cross Sections

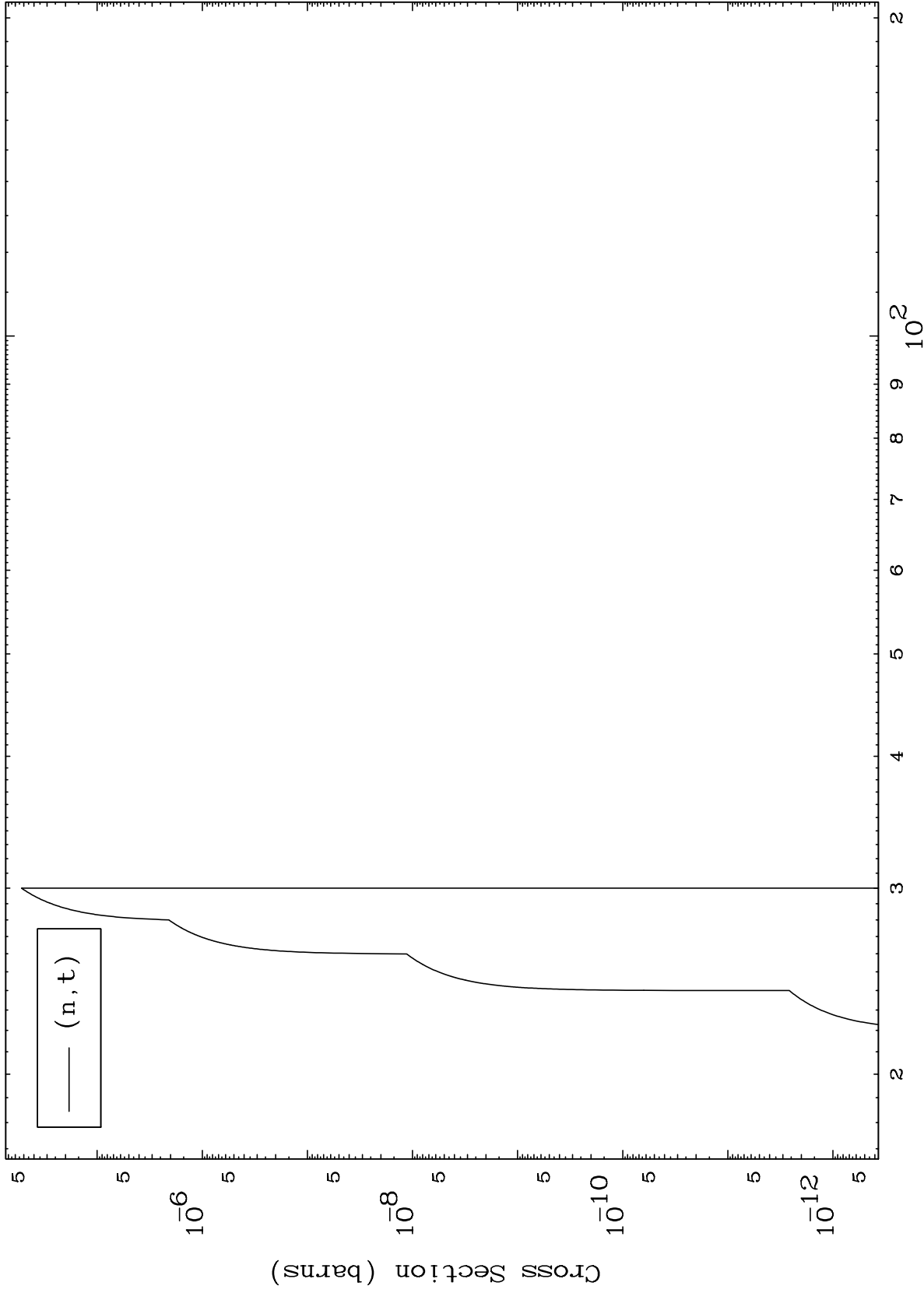
83-Bi-196m



MAT 8287

(α, t) Levels
0 Kelvin Cross Sections

83-Bi-196m

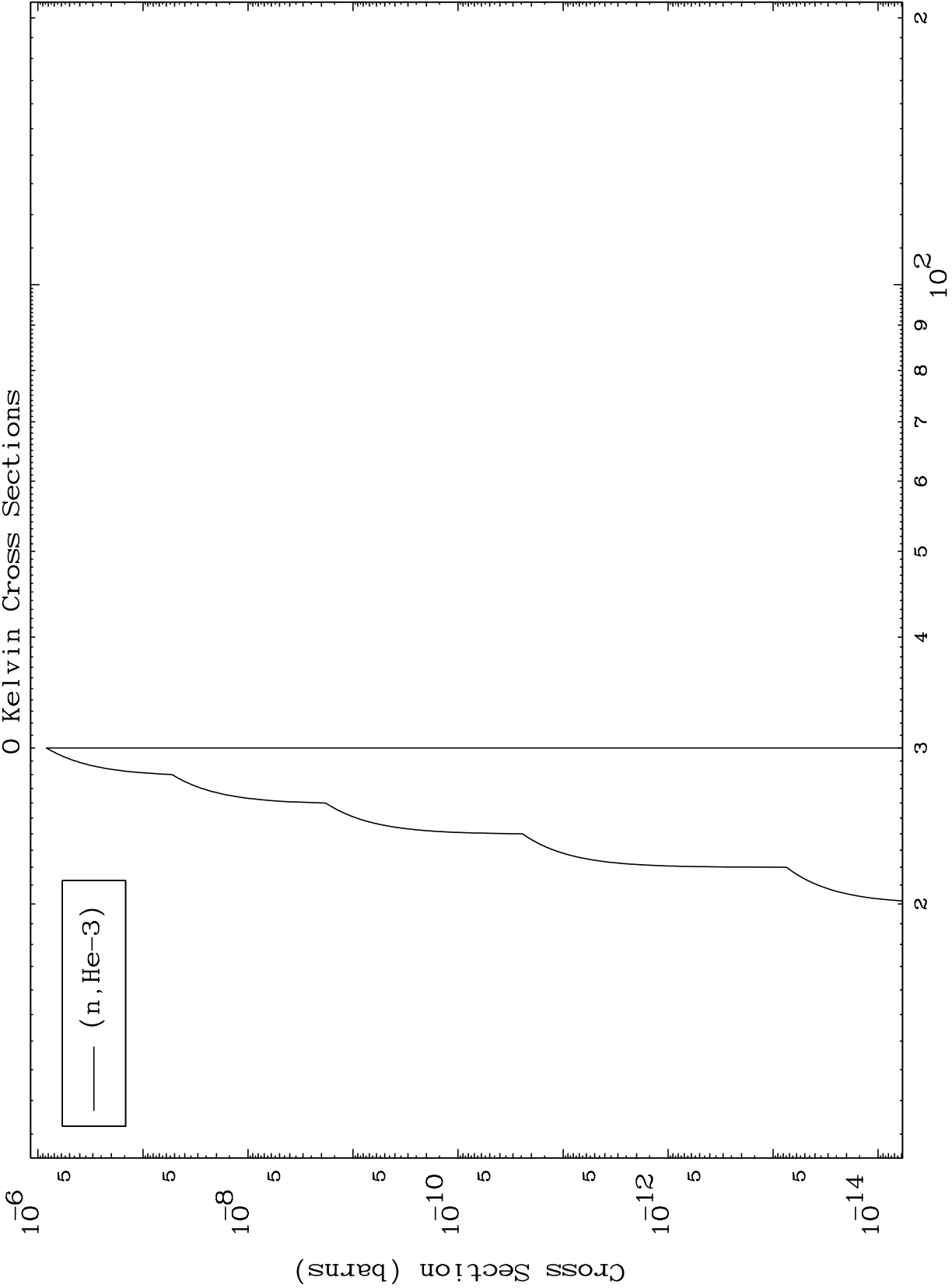


8

Incident Energy (MeV)

83-Bi-196m

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



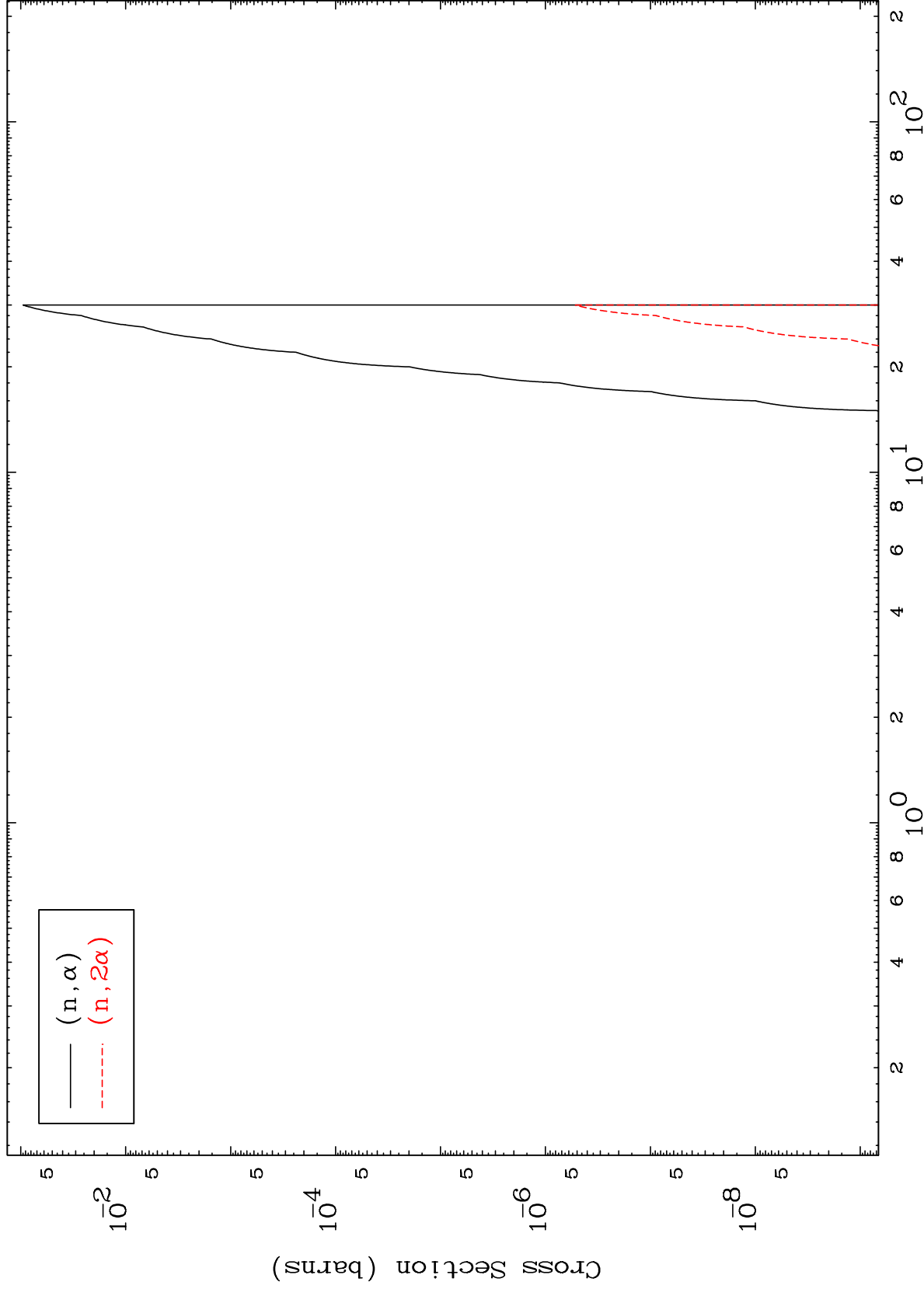
Incident Energy (MeV)

MAT 8287

(α, α) Levels

83-Bi-196m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

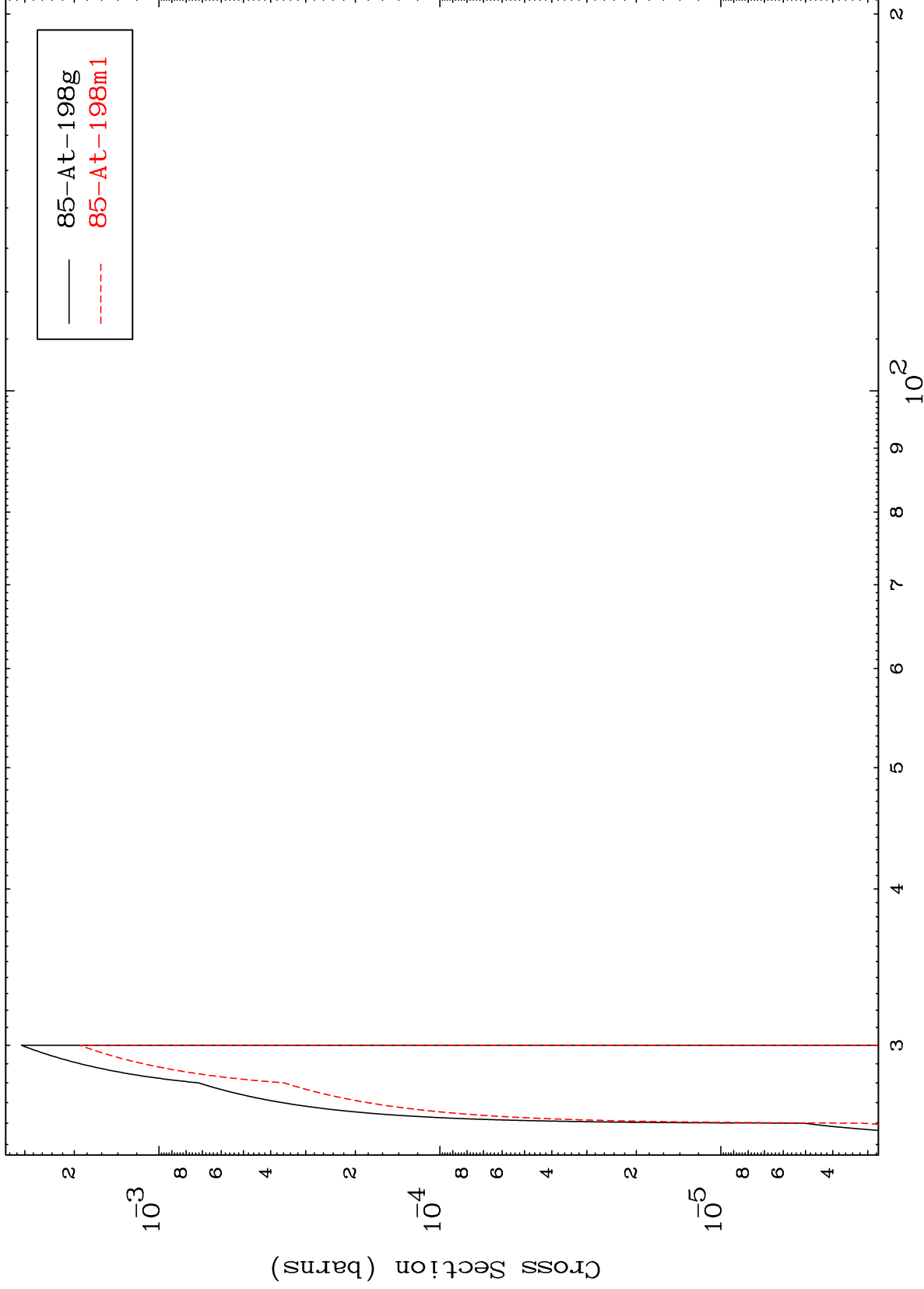
83-Bi-196m

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(n,2n)

83-Bi-196m

Radionuclide Production Cross Section



11

Incident Energy (MeV)

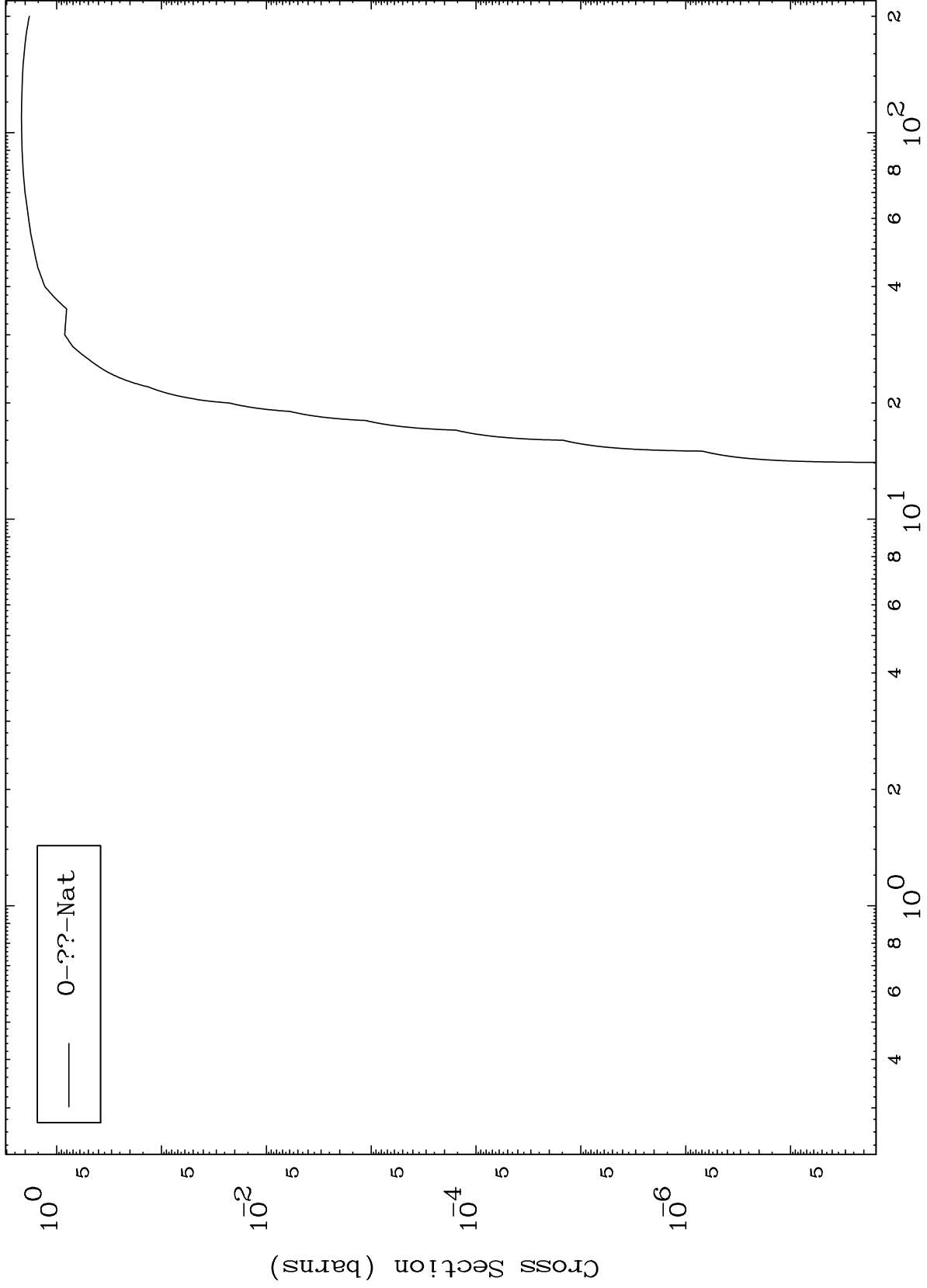
83-Bi-196m

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Fission

⁸³Bi-196m

Radionuclide Production Cross Section

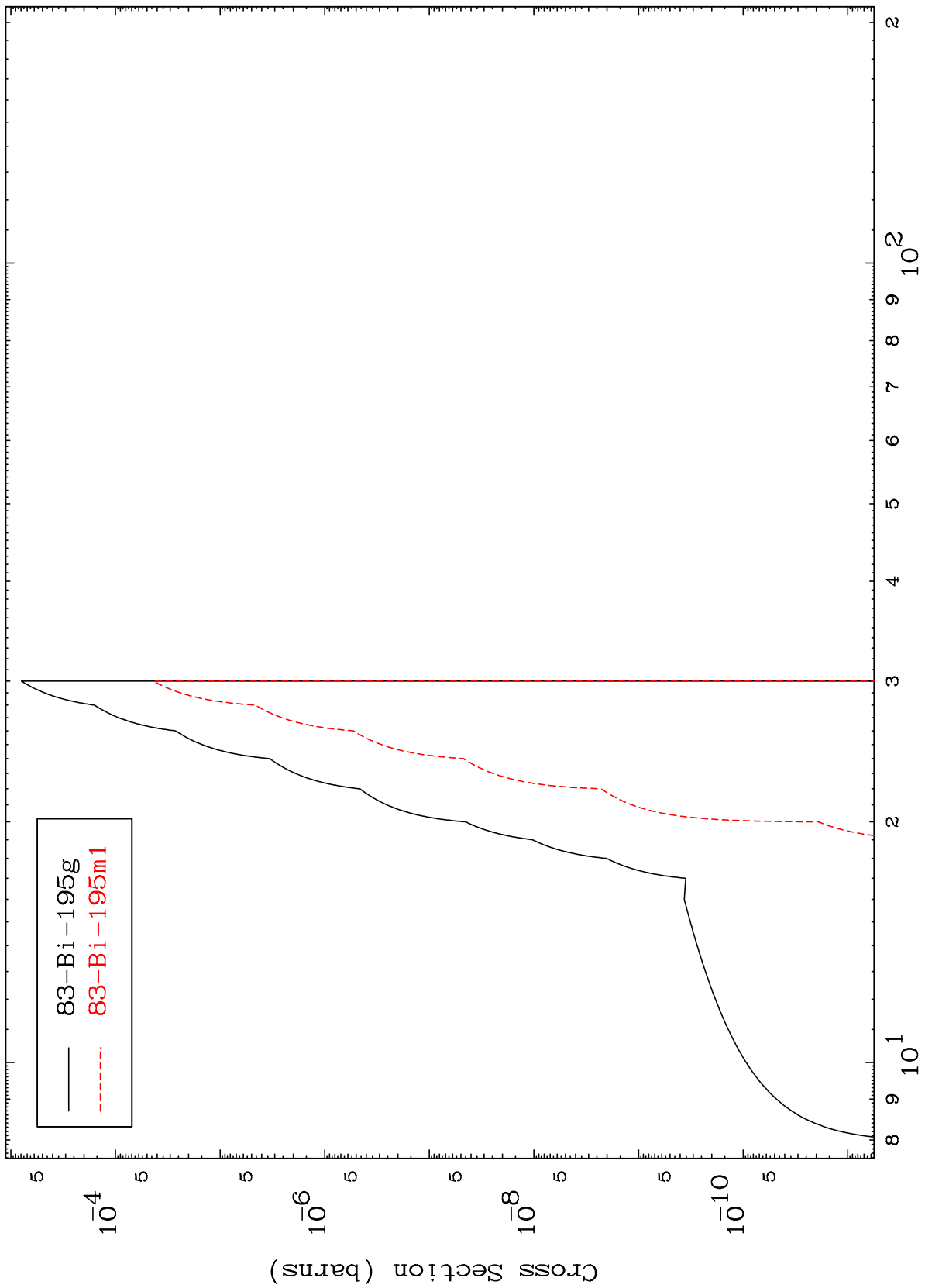


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$(n, n') \alpha$

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

Radionuclide Production Cross Section



13

Incident Energy (MeV)

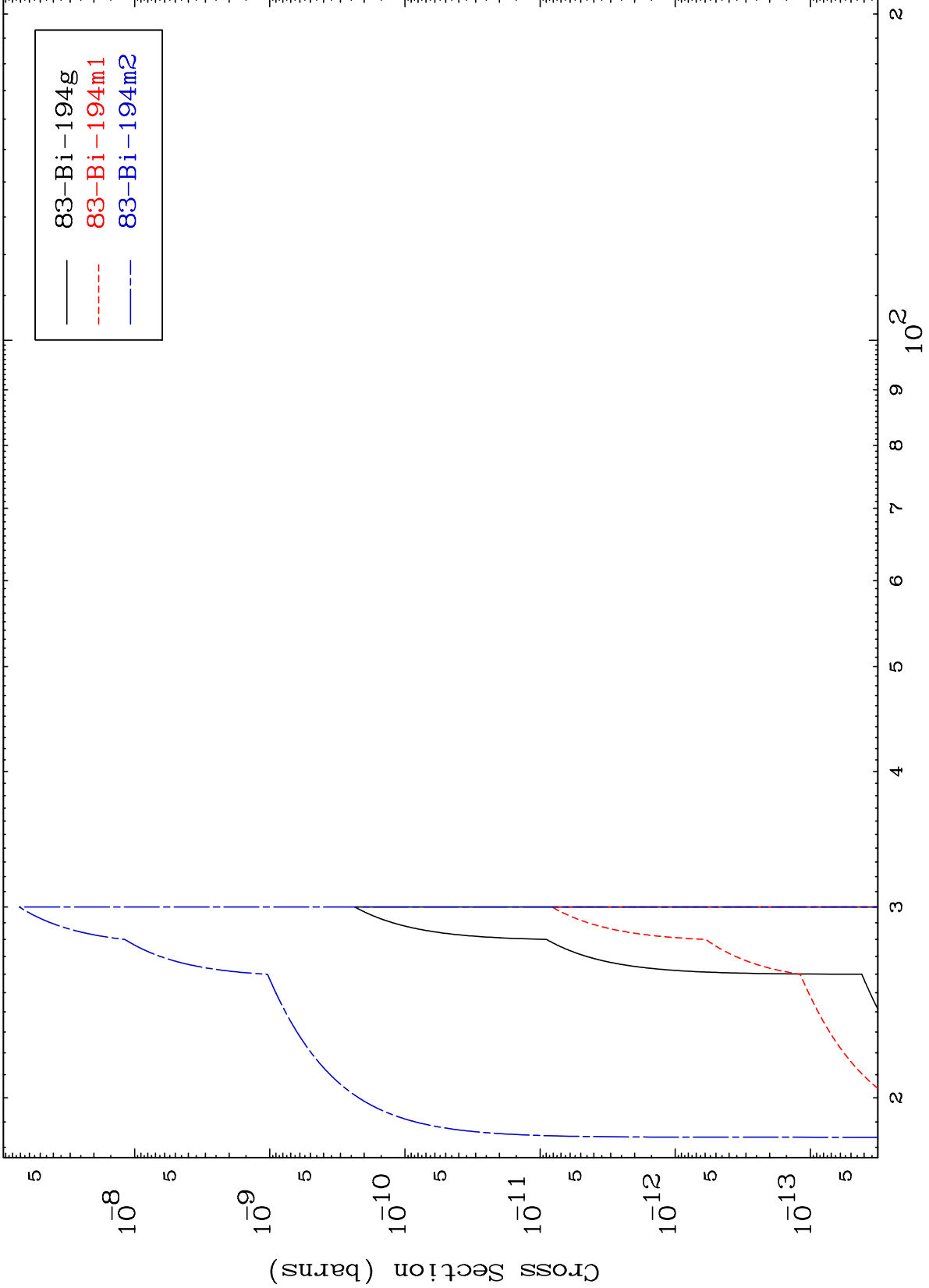
$^{83}\text{Bi}-196\text{m}$

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$(n,2n) \alpha$

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

Radionuclide Production Cross Section



14

Incident Energy (MeV)

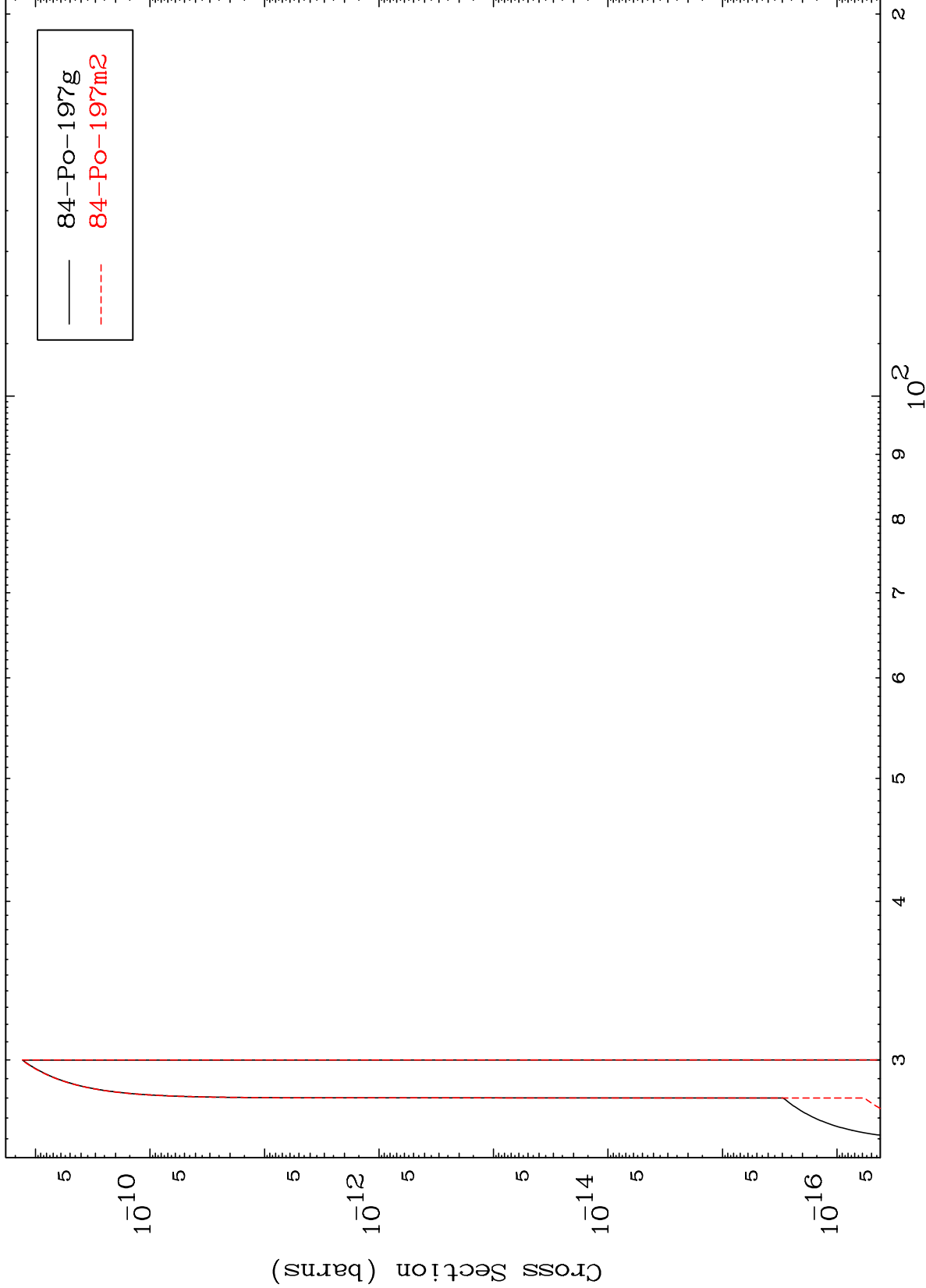
$^{83}\text{Bi}-196\text{m}$

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(n,2n) p

83-Bi-196m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

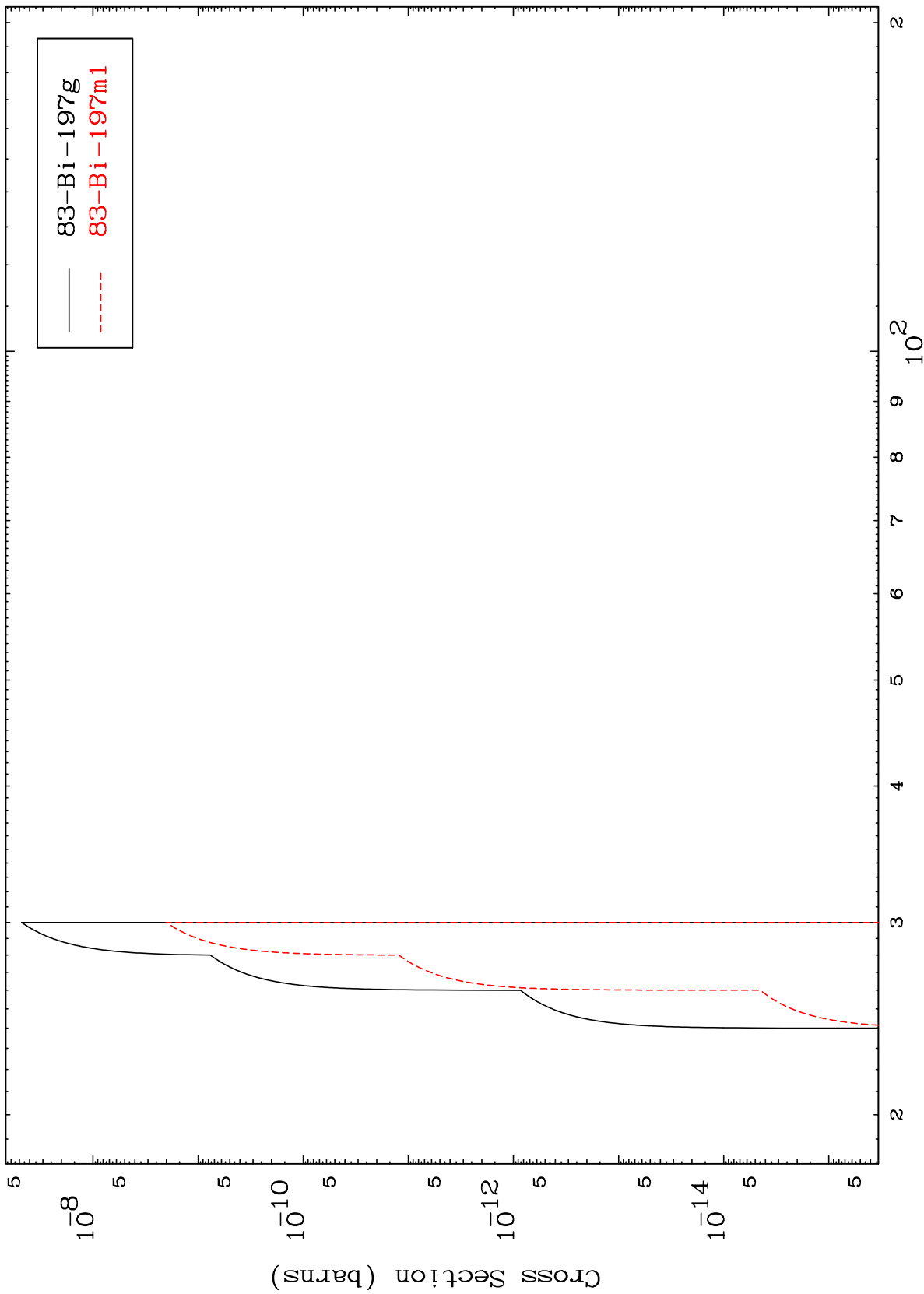
83-Bi-196m

MAT 8287

(n,2n) p

83-Bi-196m

Radionuclide Production Cross Section



16

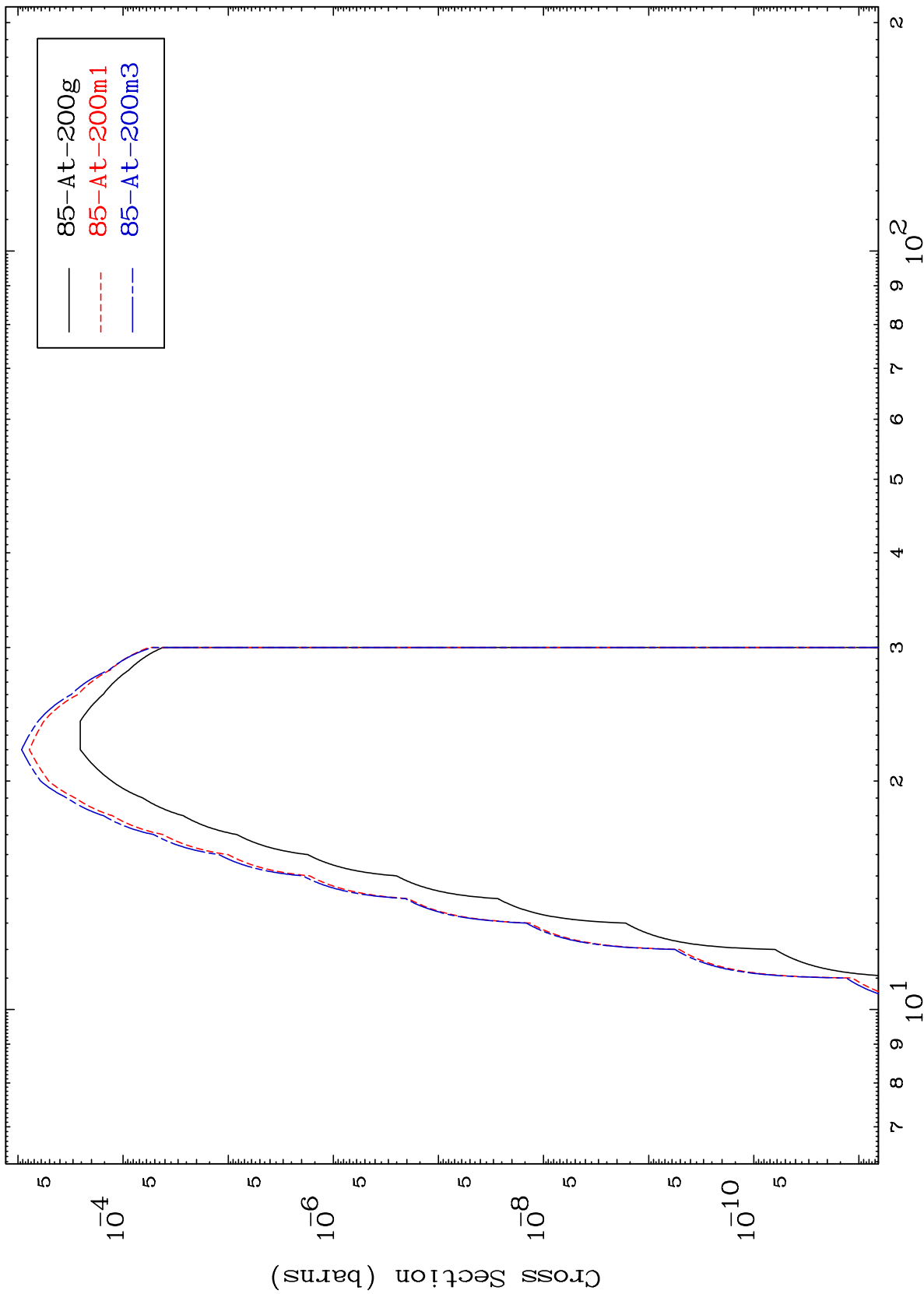
Incident Energy (MeV)

83-Bi-196m

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83-Bi-196m

(n,γ)
Radionuclide Production Cross Section



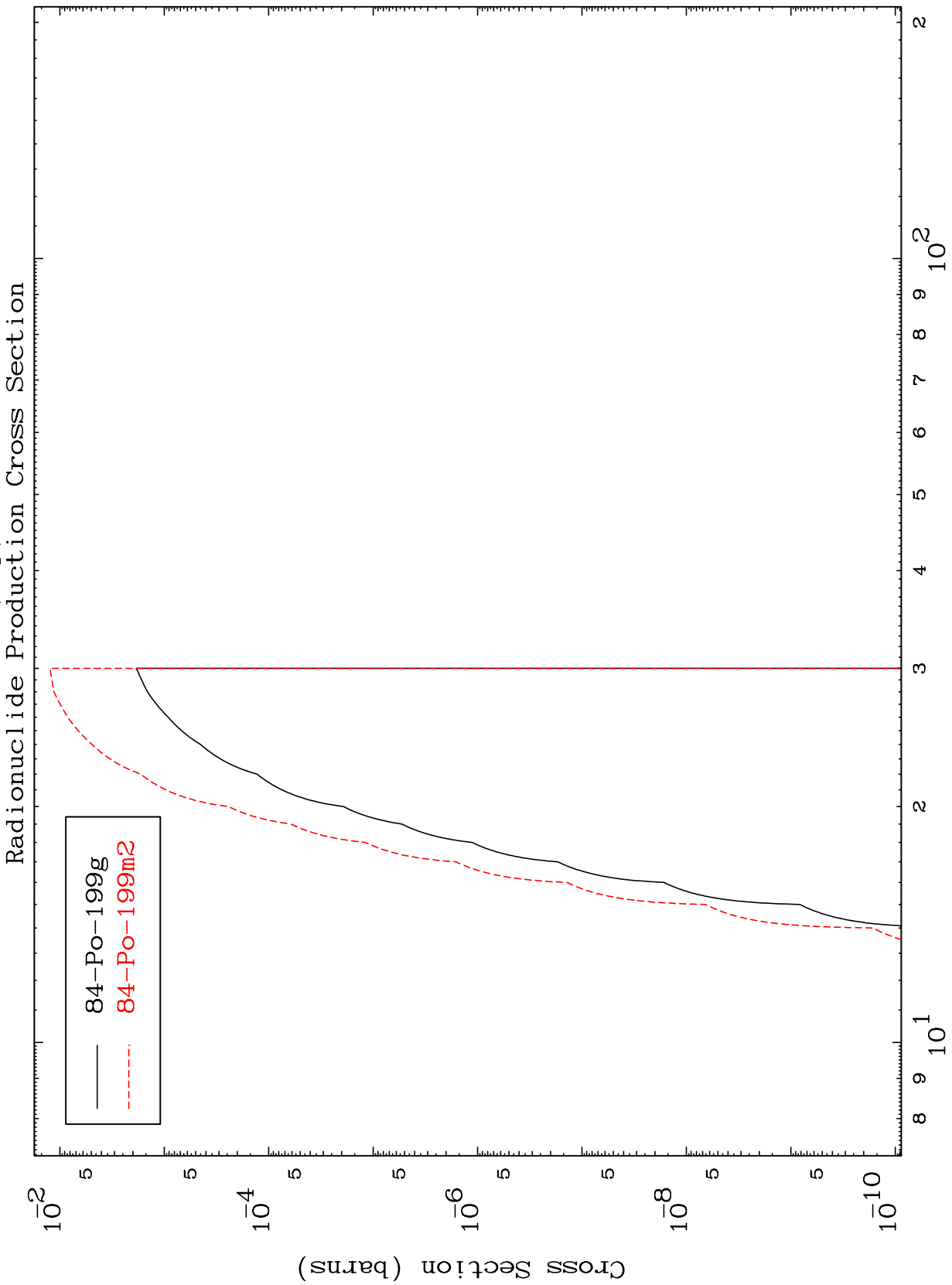
17

Incident Energy (MeV)

83-Bi-196m

MAT 8287

⁸³Bi-196m



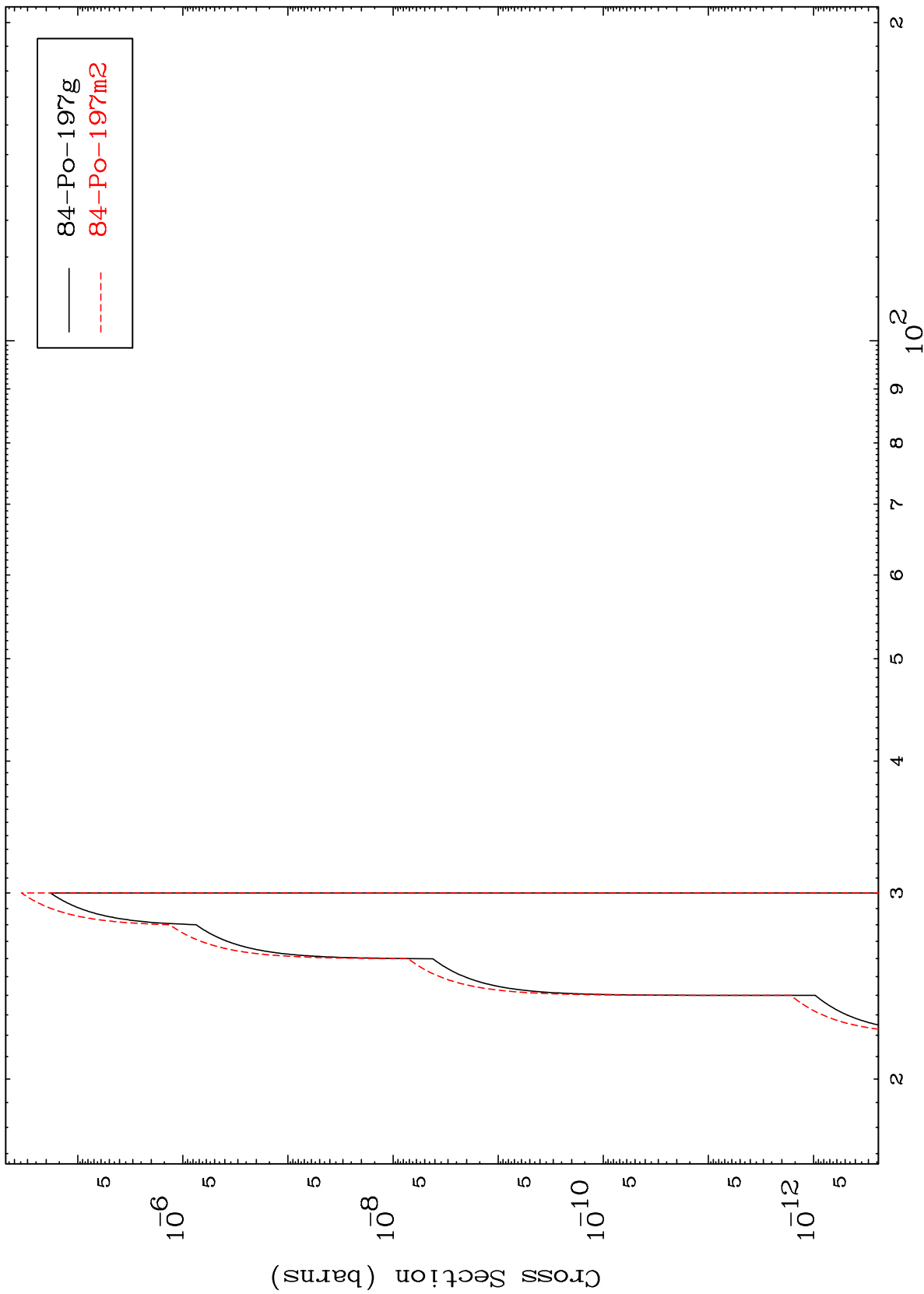
18

⁸³Bi-196m

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83-Bi-196m

(n,t)
Radionuclide Production Cross Section



19

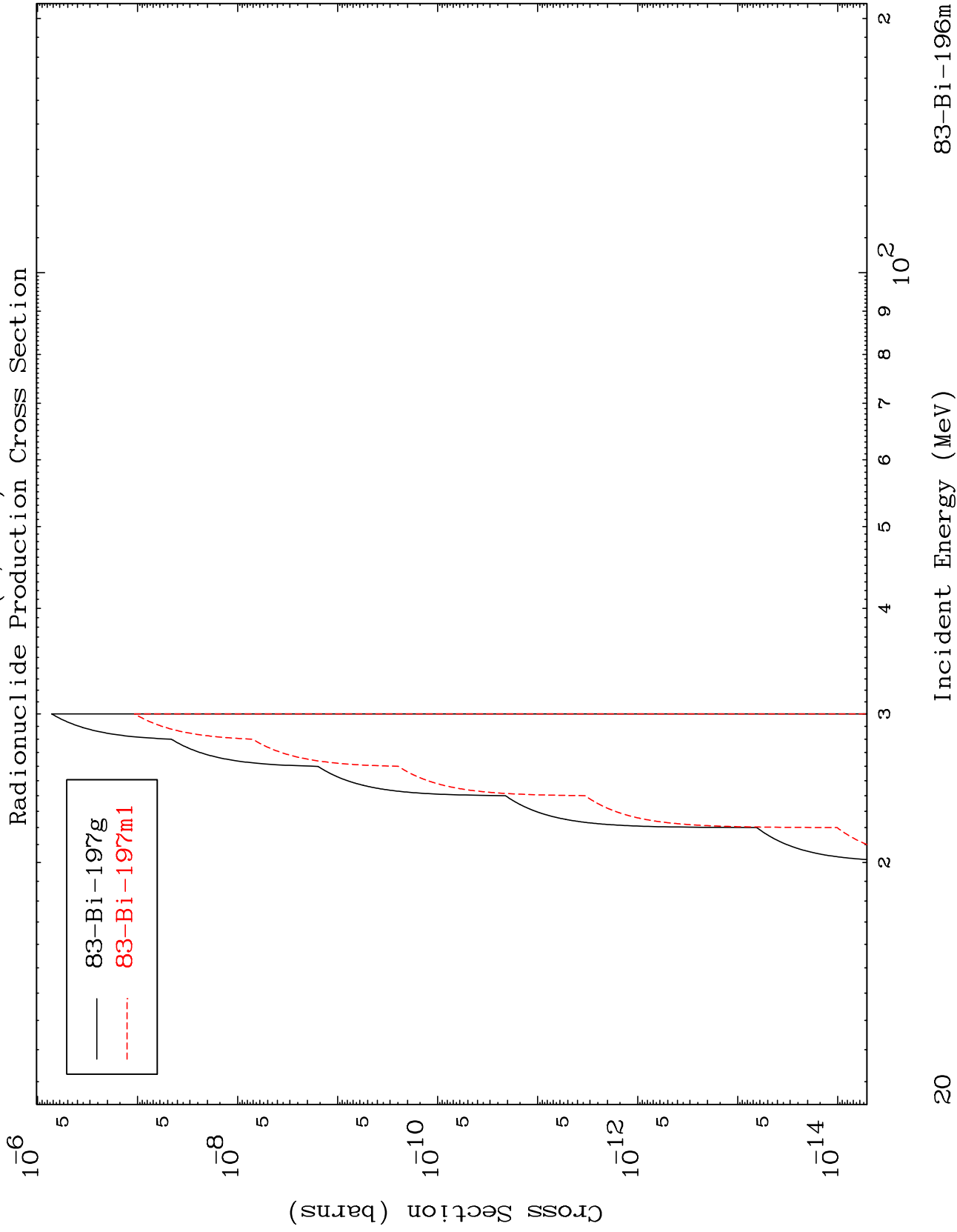
83-Bi-196m

Incident Energy (MeV)

MAT 8287

(n,He-3)

83-Bi-196m

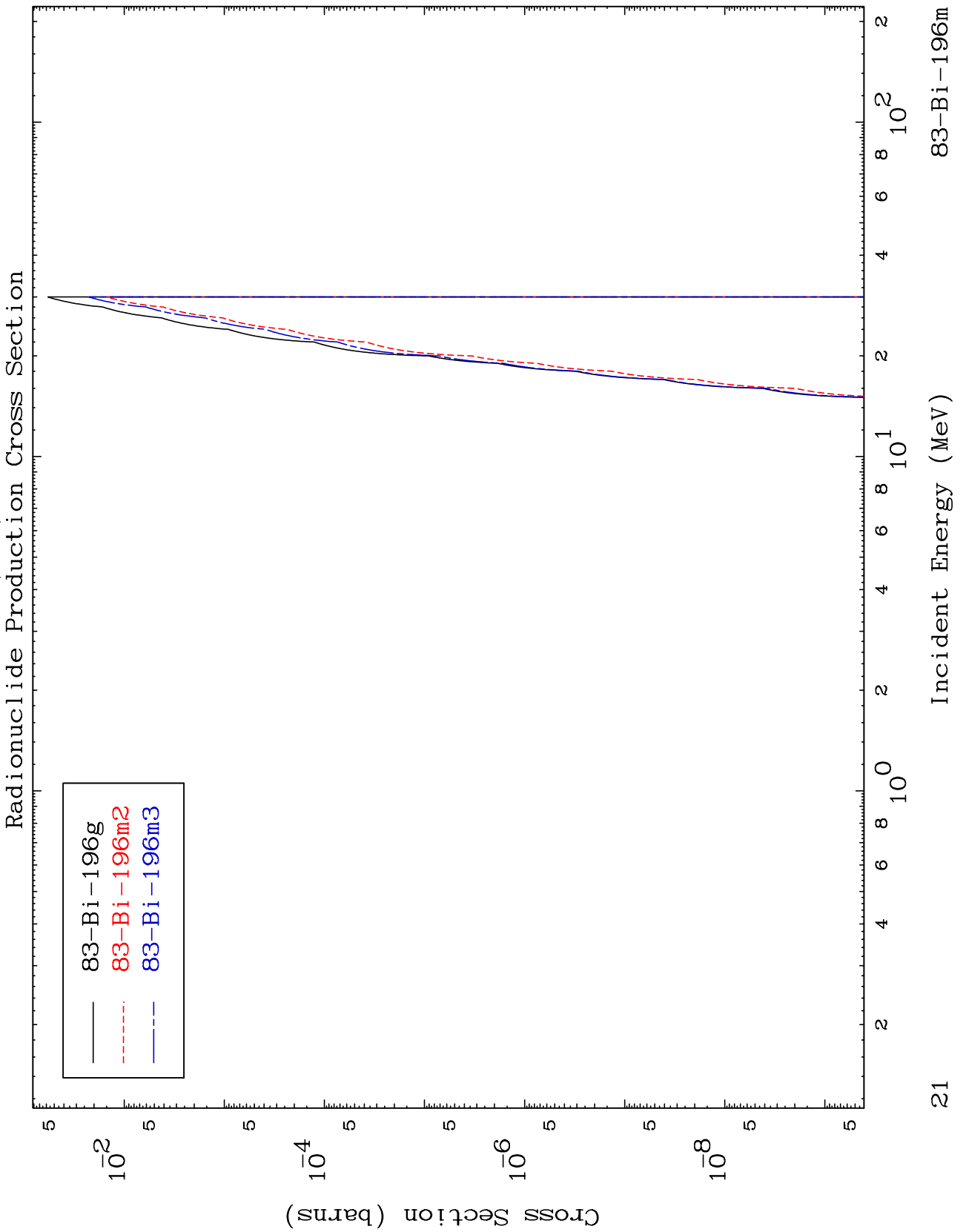


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83-Bi-196m

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

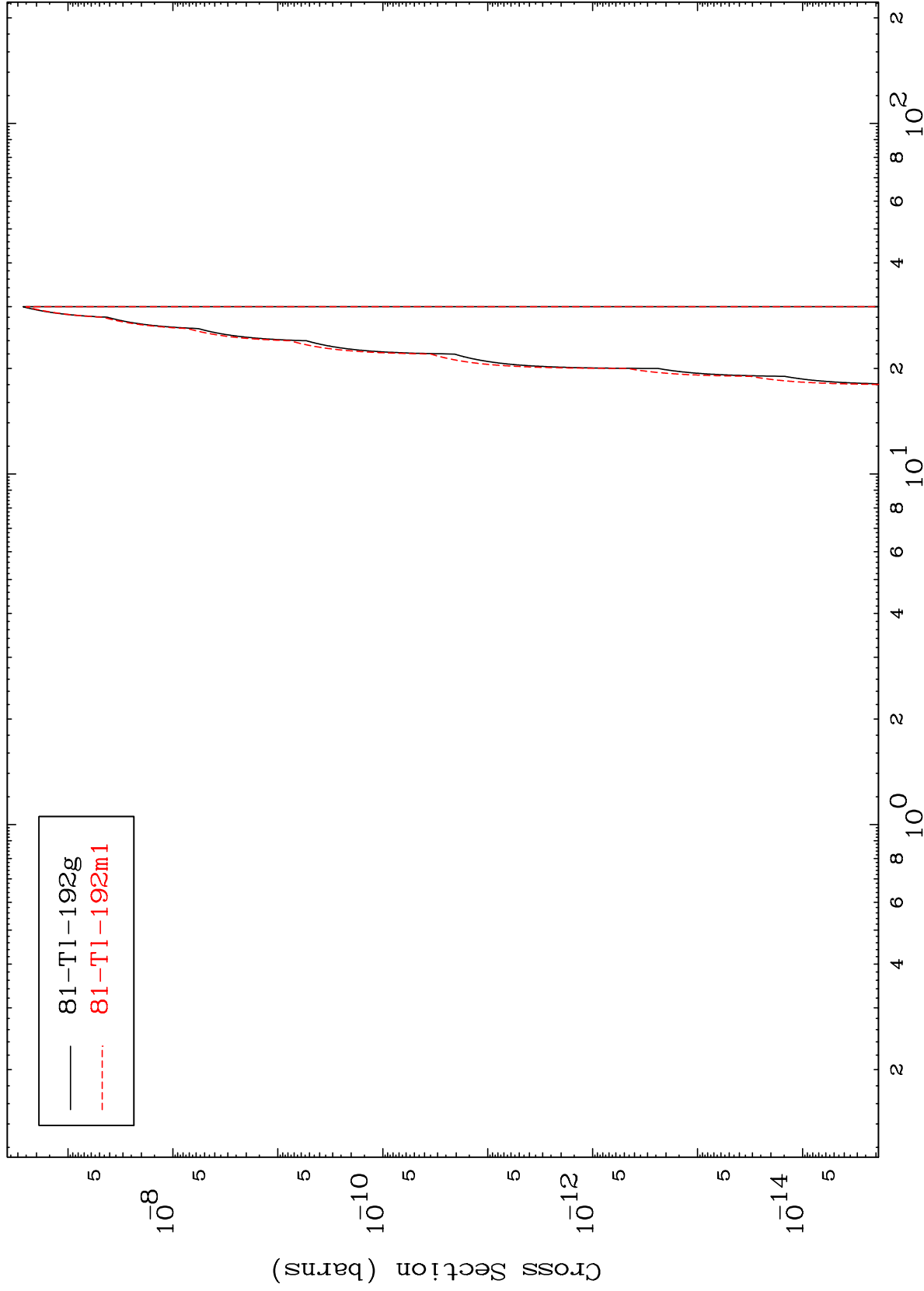


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(n,2α)

83-Bi-196m

Radionuclide Production Cross Section

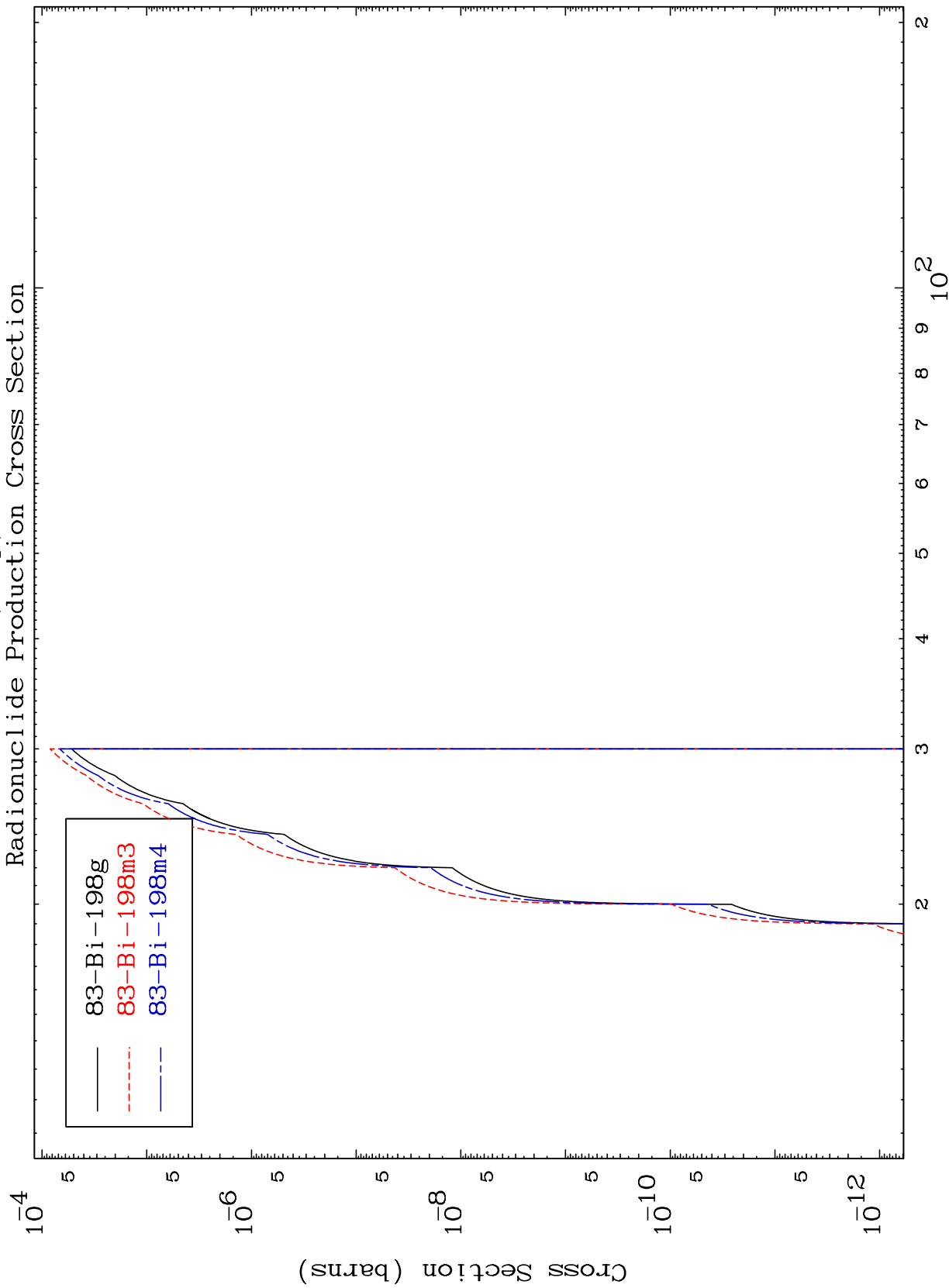


81-Tl-192g
81-Tl-192m1

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

Radionuclide Production Cross Section
(n,2p)



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

Incident Energy (MeV)

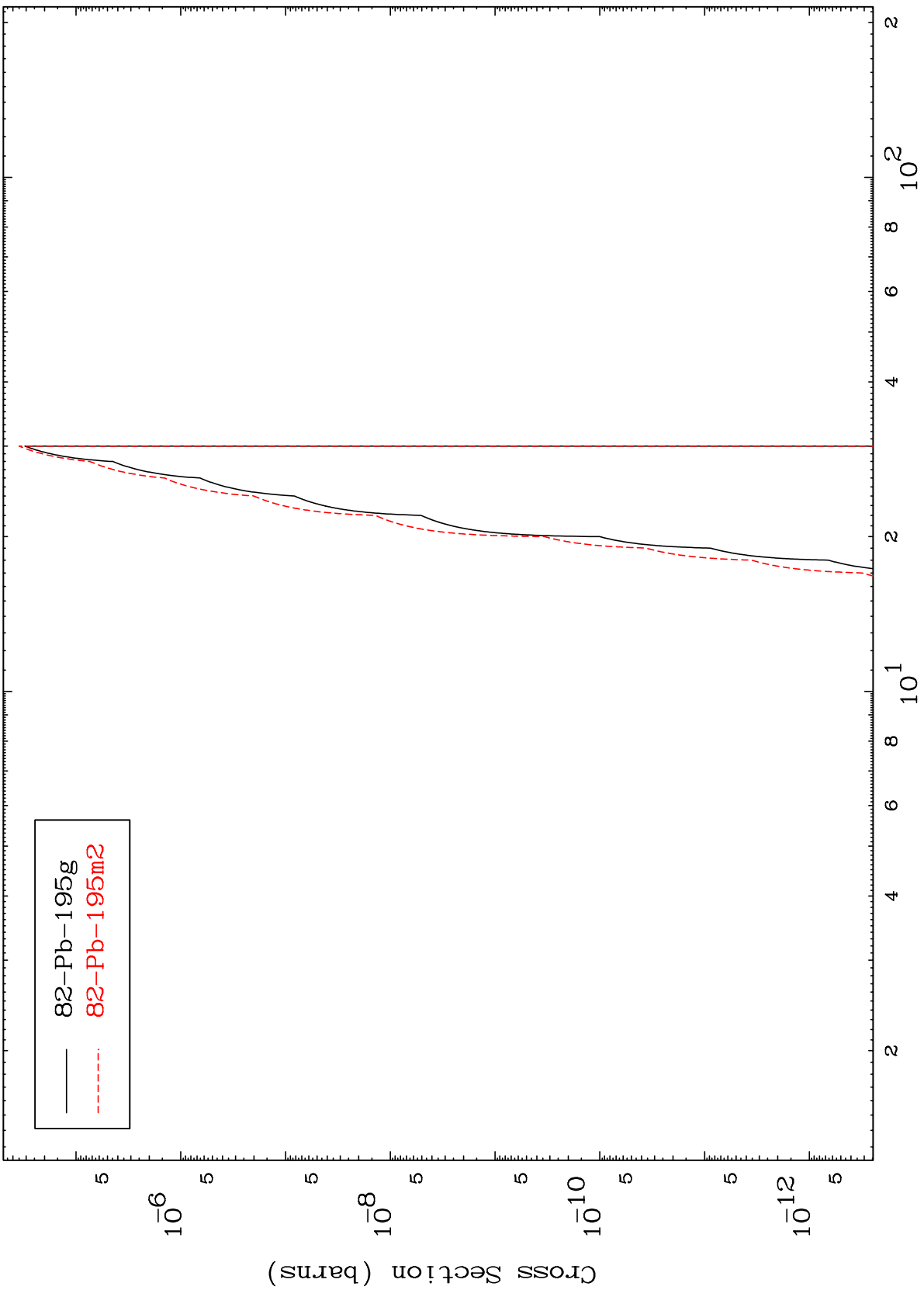
23

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(n,p) α

83-Bi-196m

Radionuclide Production Cross Section



82-Pb-195g
82-Pb-195m2