

Program EVALPLOT
(Version 2021-1)

by

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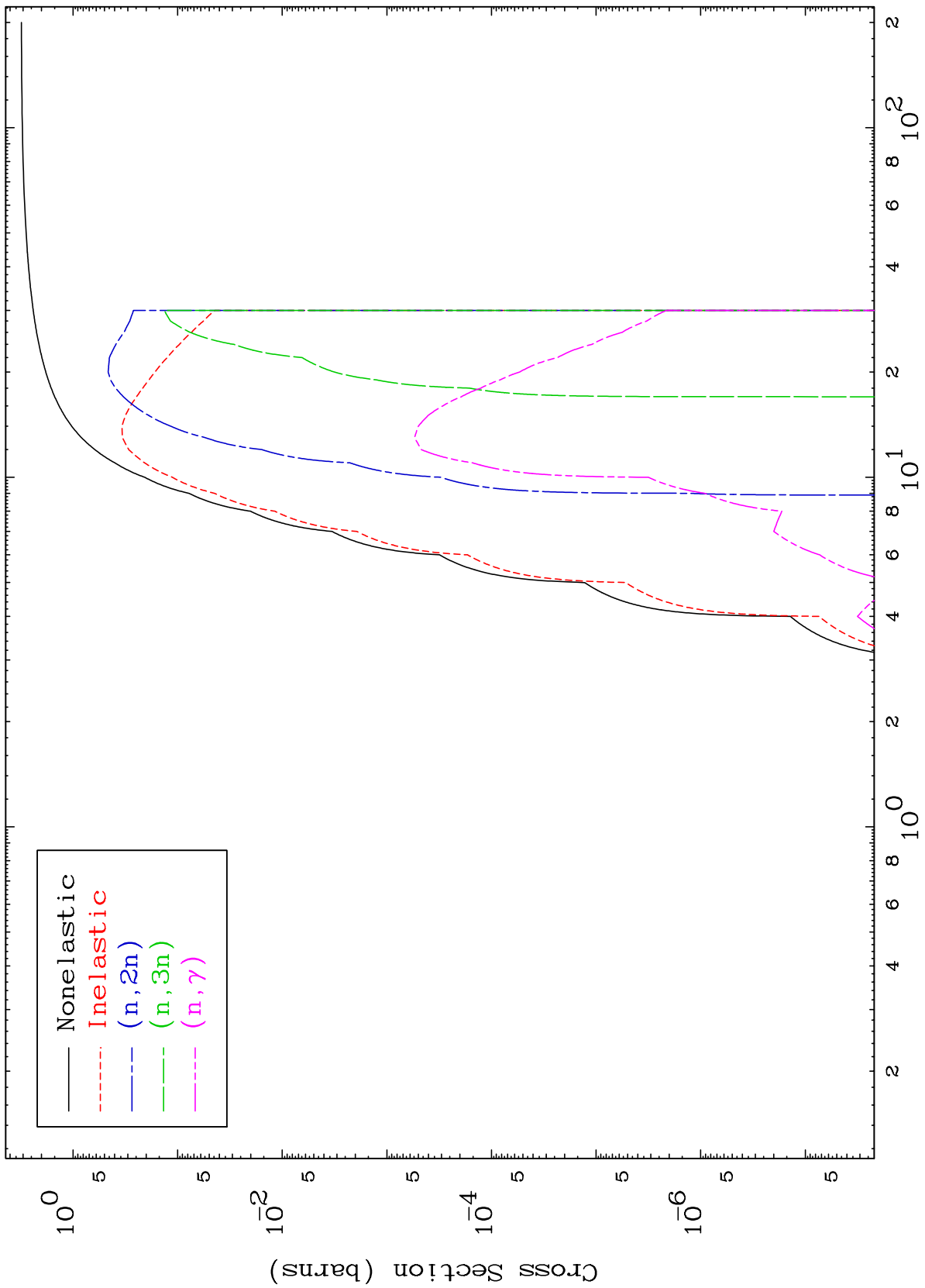
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8290

Deuteron Major
0 Kelvin Cross Sections

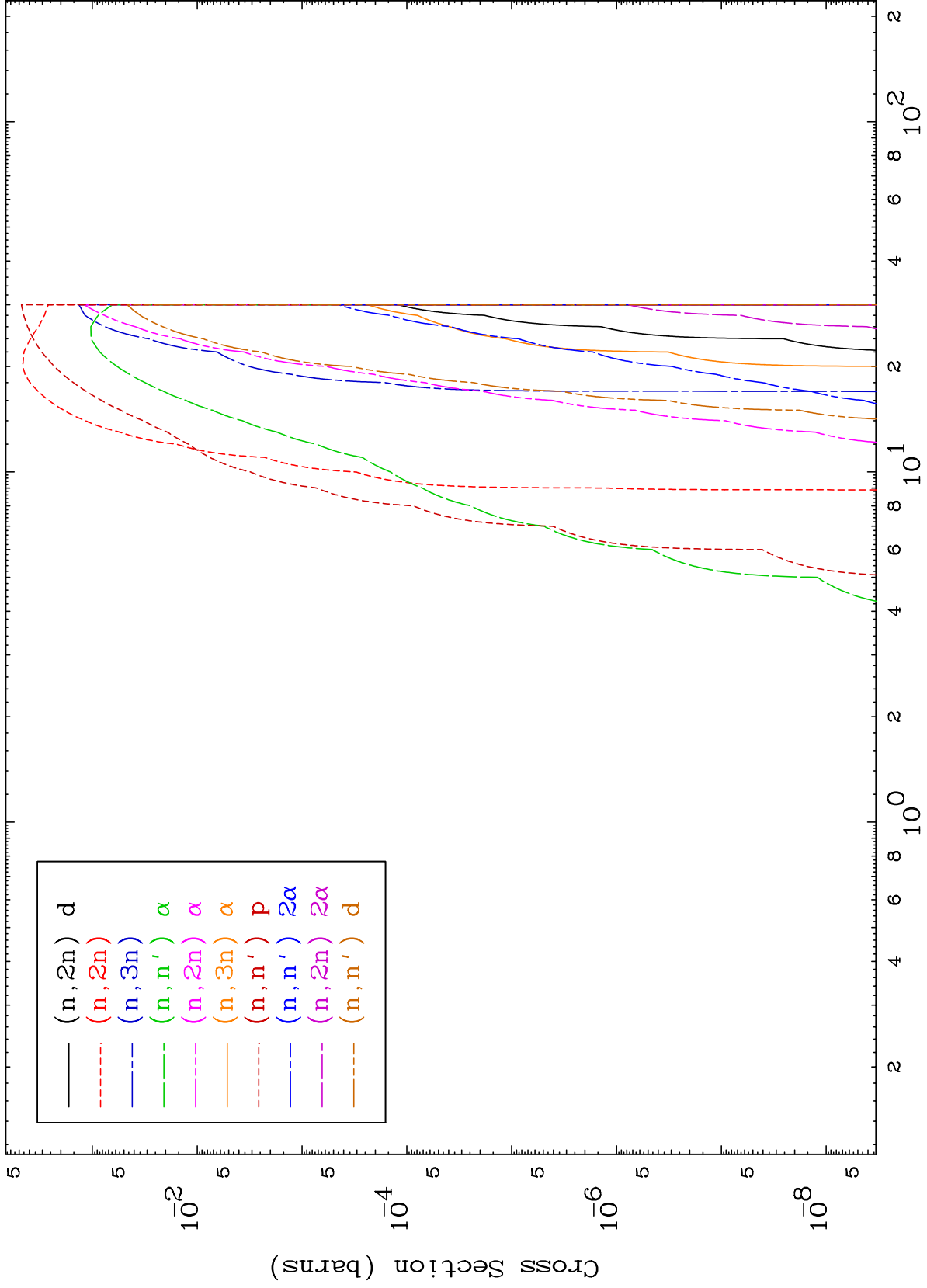
83-Bi-197m

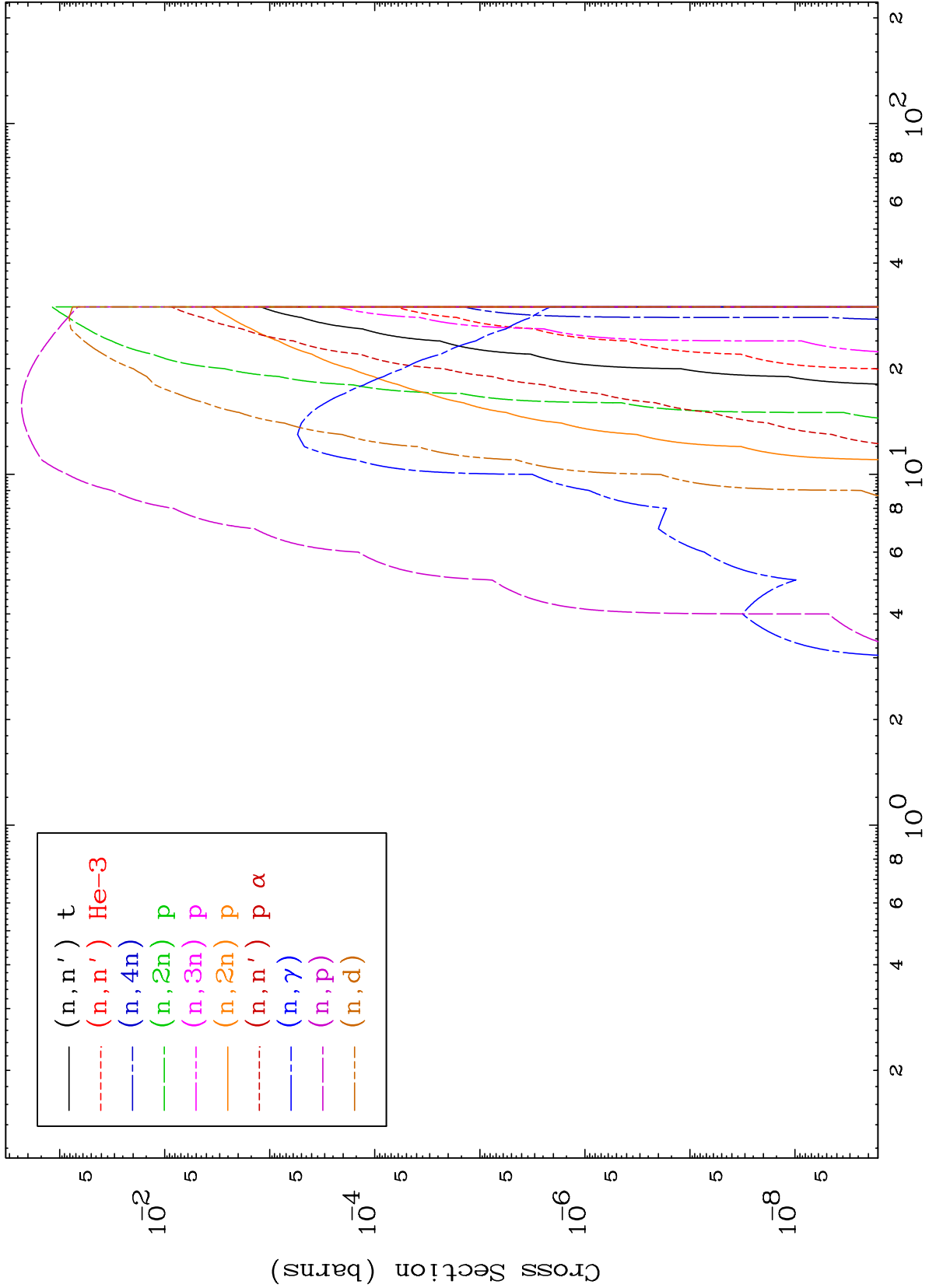


MAT 8290

Deuteron Neutron Absorption
0 Kelvin Cross Sections

83-Bi-197m

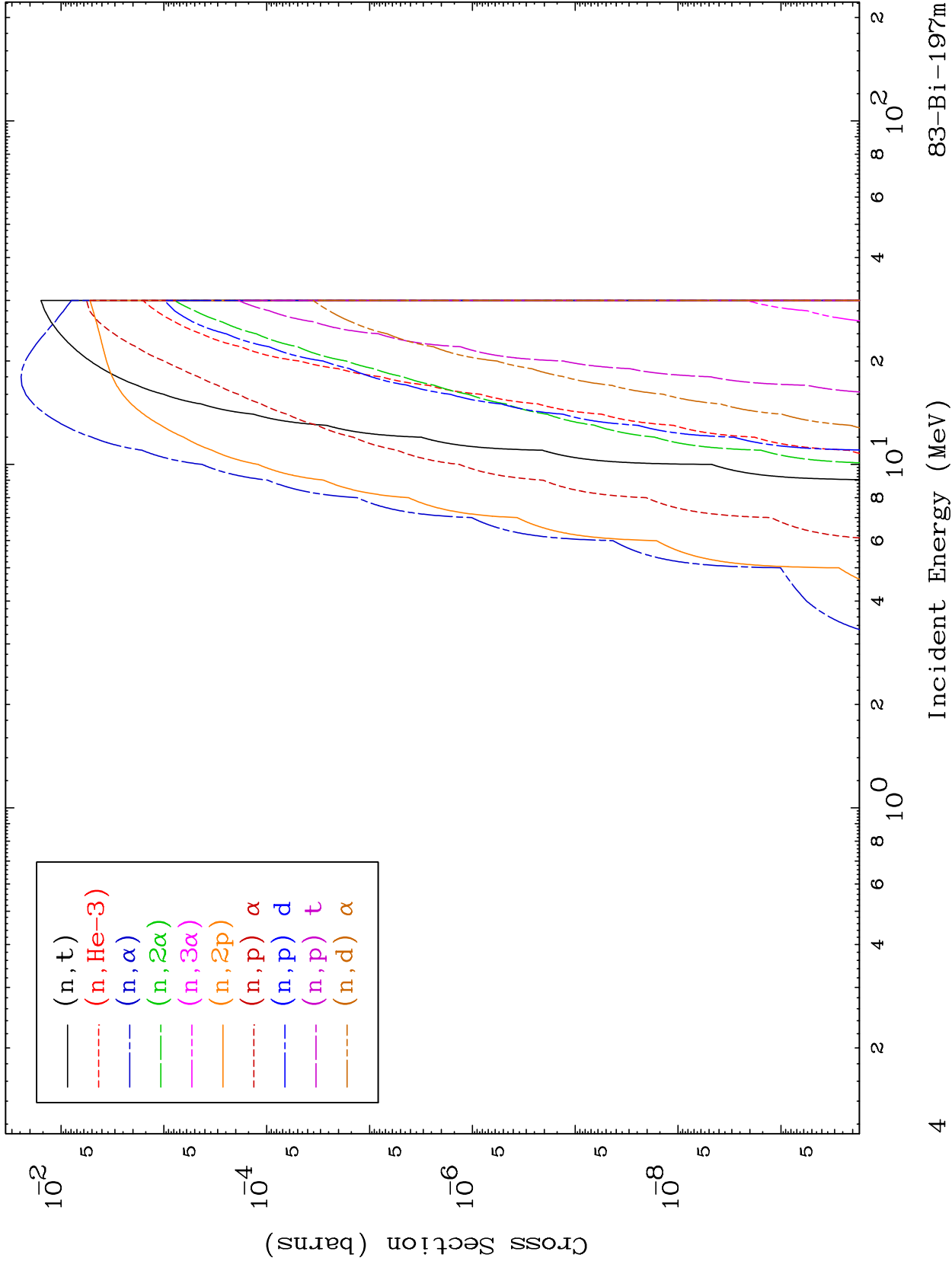




MAT 8290

Deuteron Neutron Absorption
0 Kelvin Cross Sections

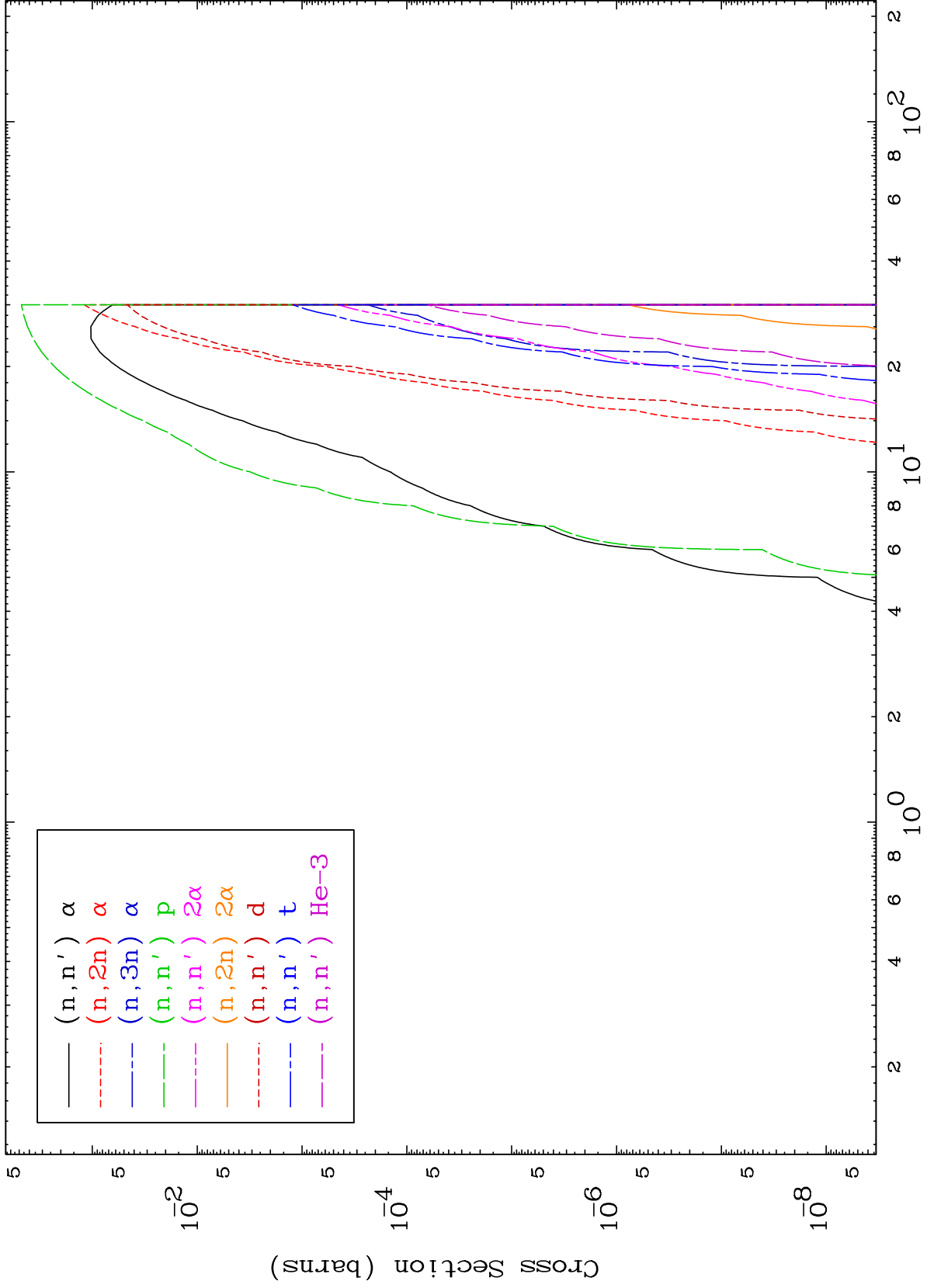
83-Bi-197m



MAT 8290

Deuteron Charged Particle
0 Kelvin Cross Sections

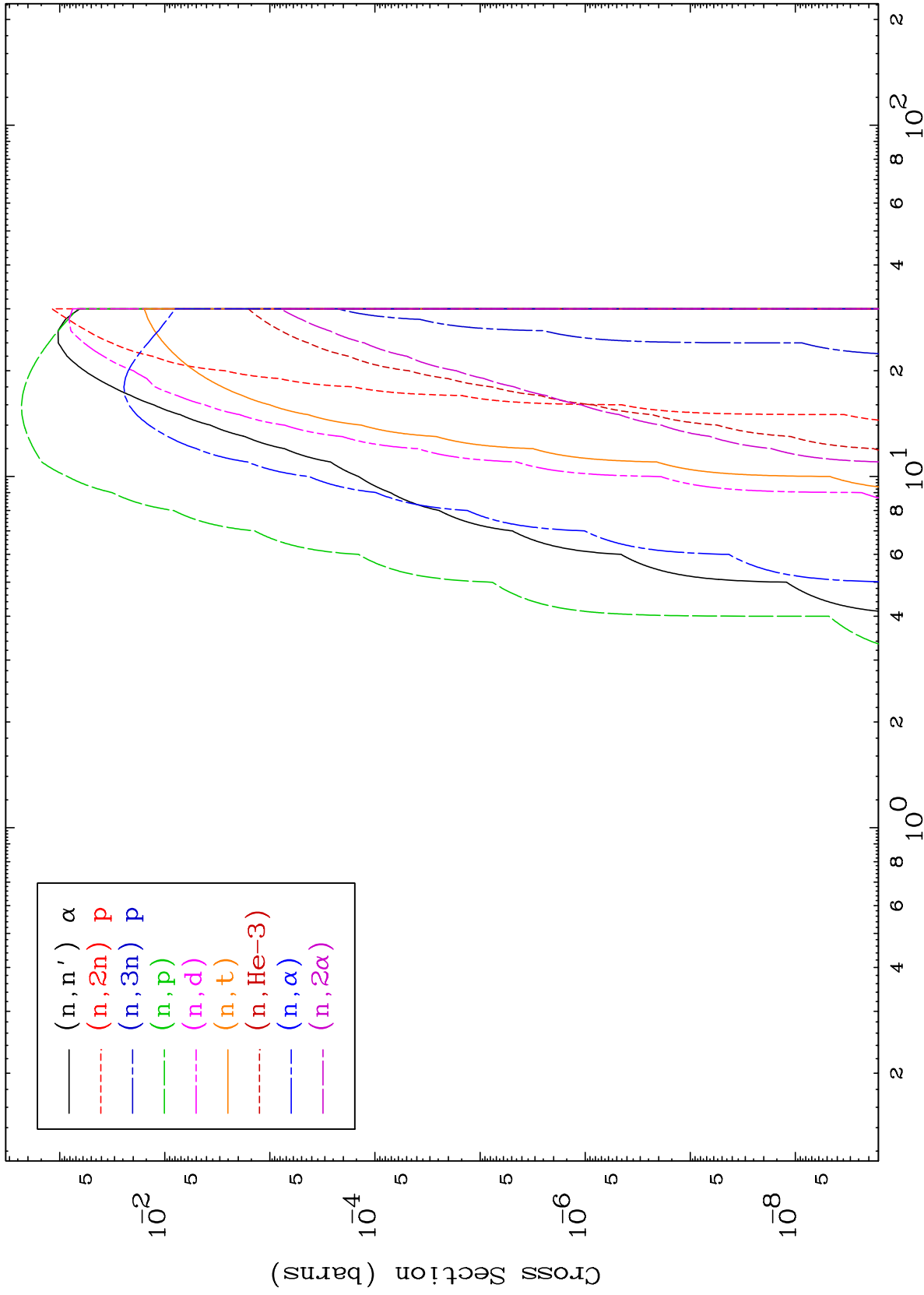
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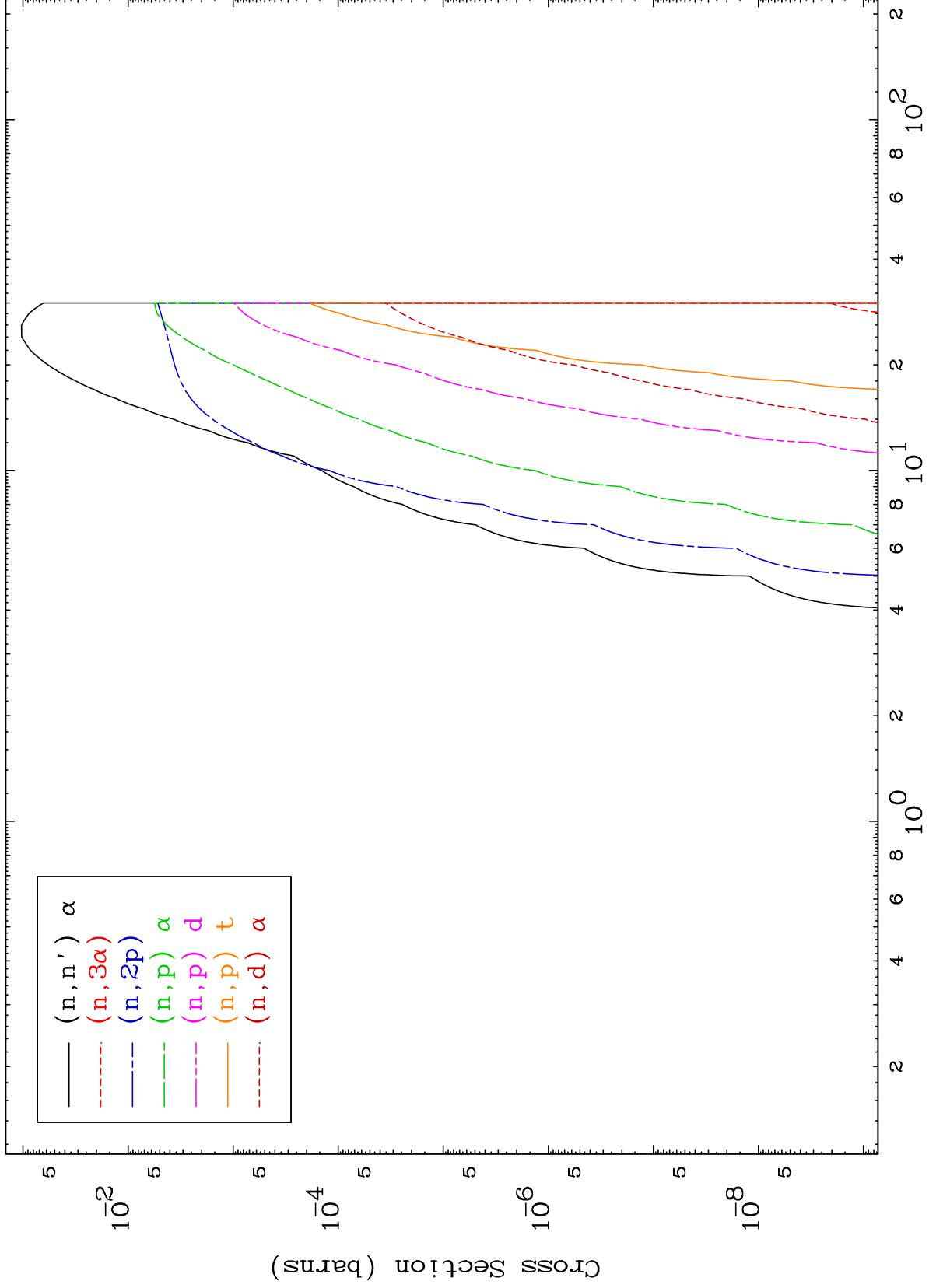


5

Incident Energy (MeV)

83-Bi-197m



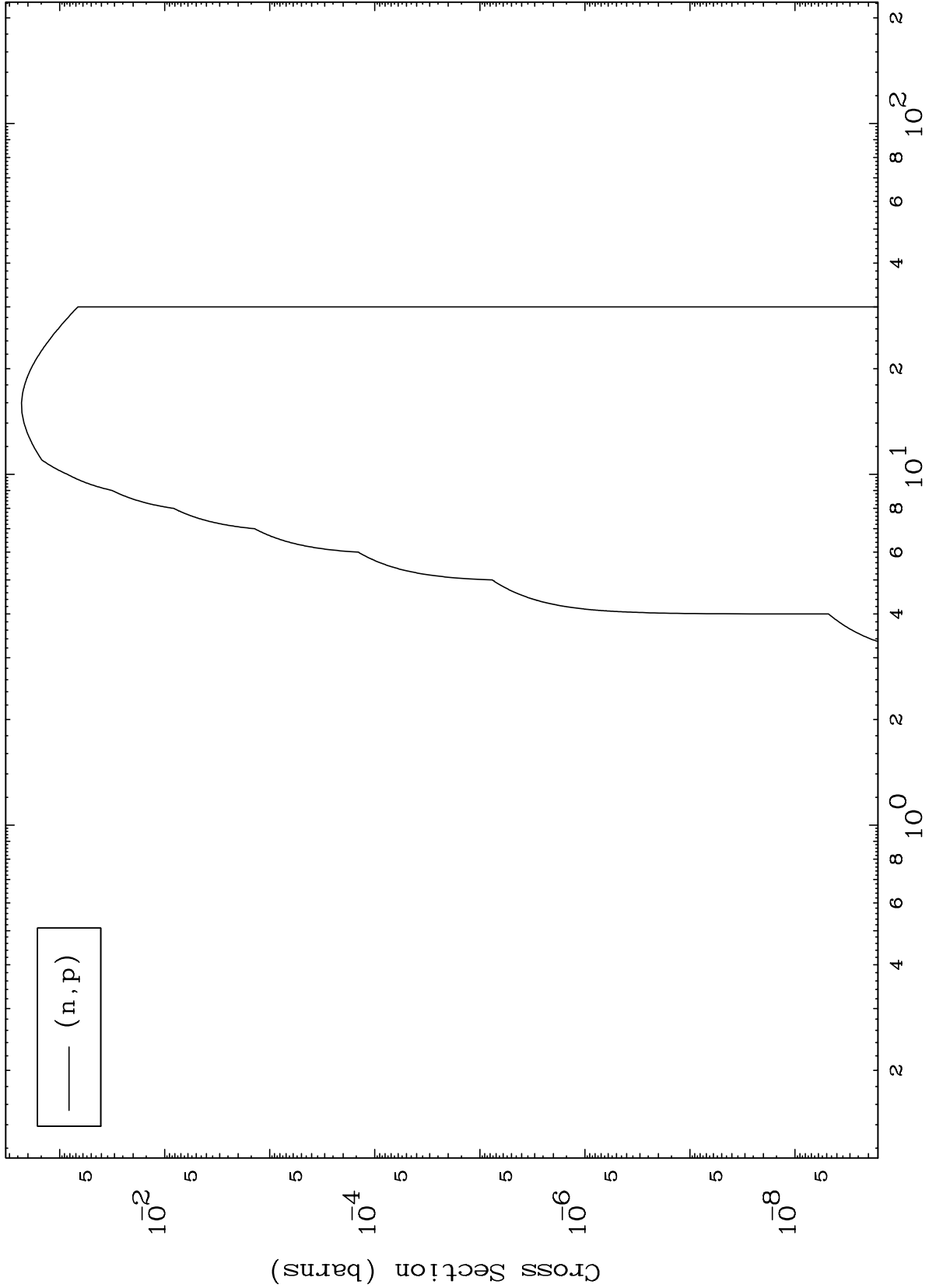


MAT 8290

(d,p) Levels

83-Bi-197m

0 Kelvin Cross Sections

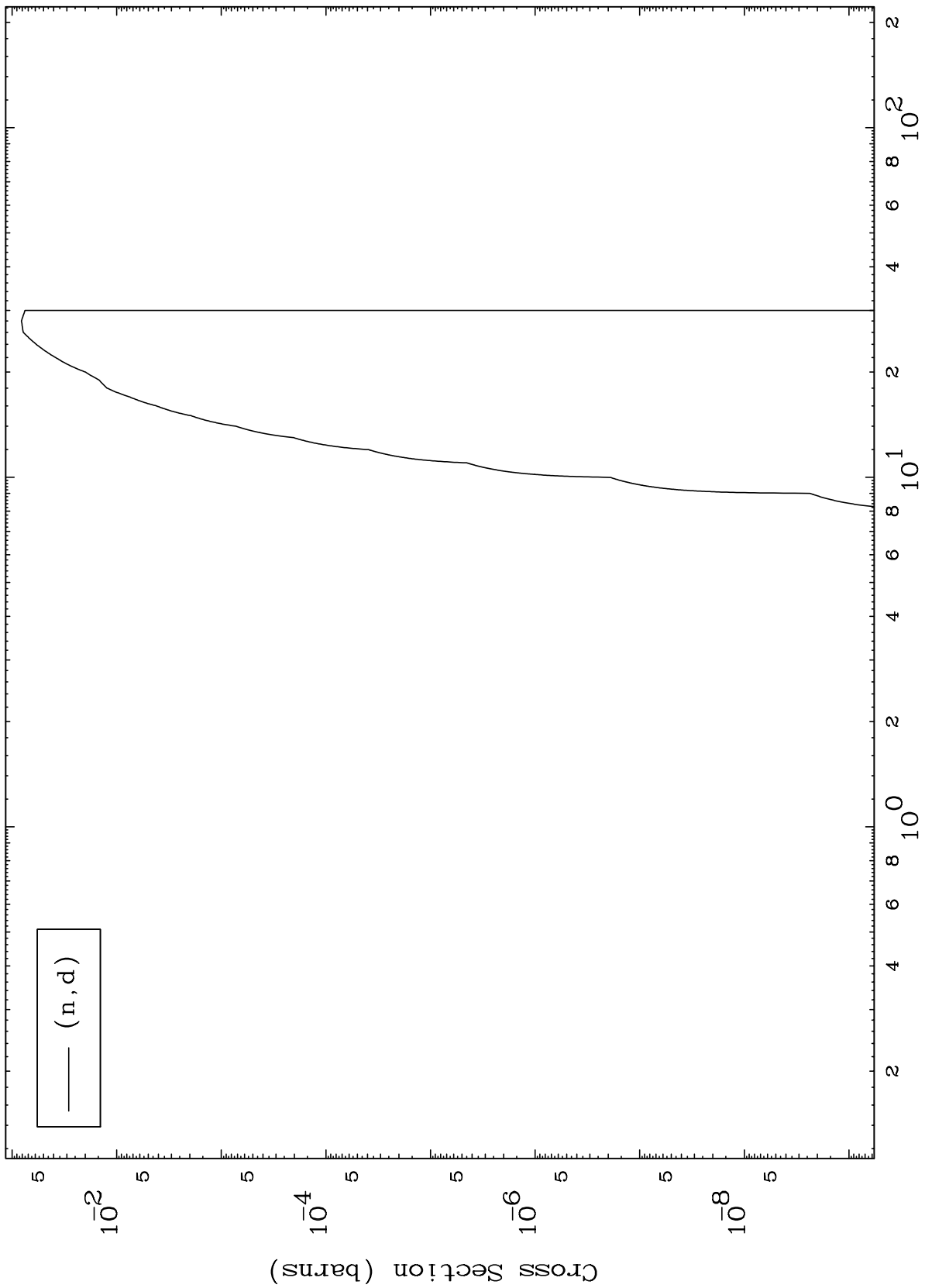


MAT 8290

(d,d) Levels

83-Bi-197m

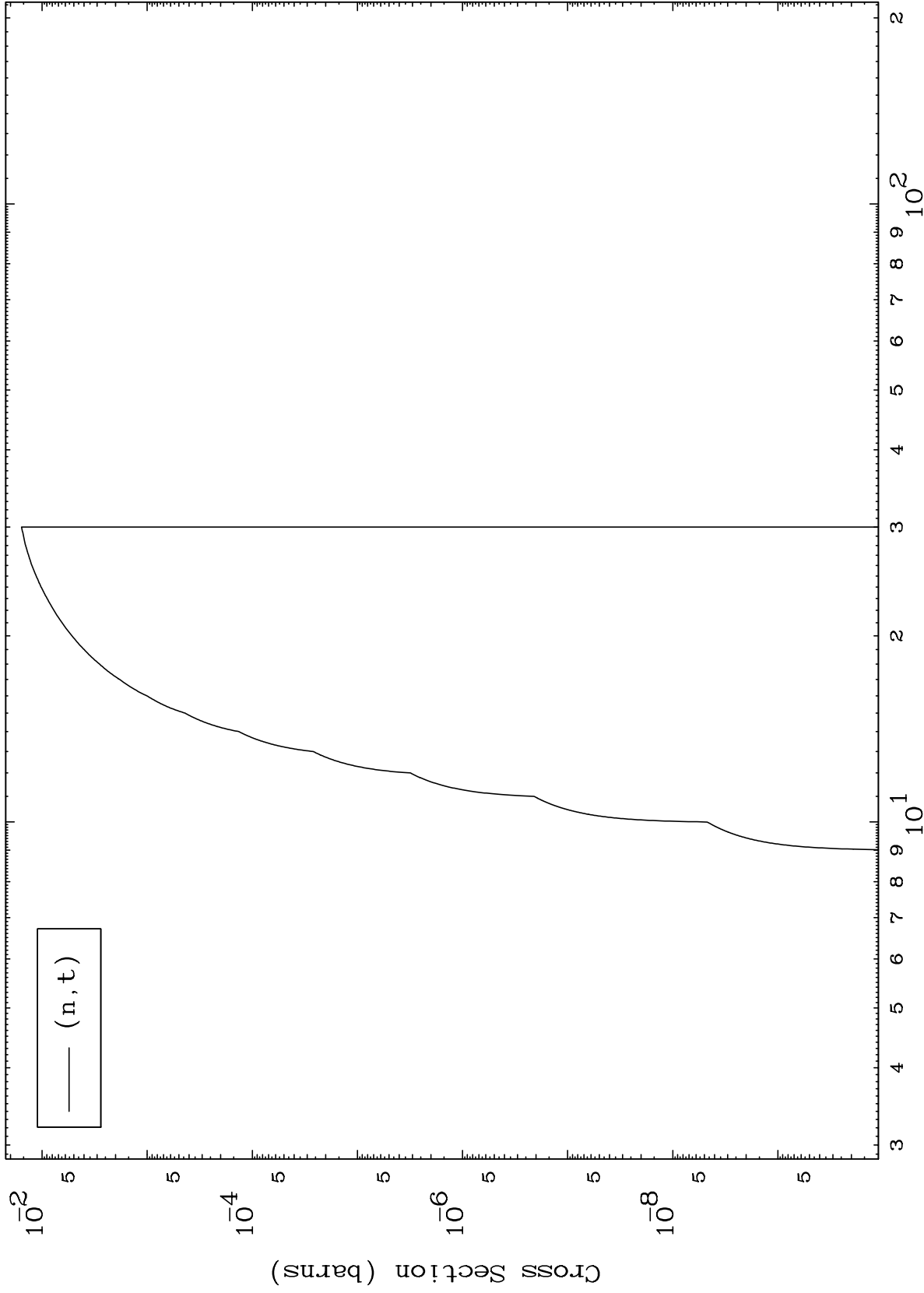
0 Kelvin Cross Sections



MAT 8290

(d,t) Levels
0 Kelvin Cross Sections

83-Bi-197m



10

Incident Energy (MeV)

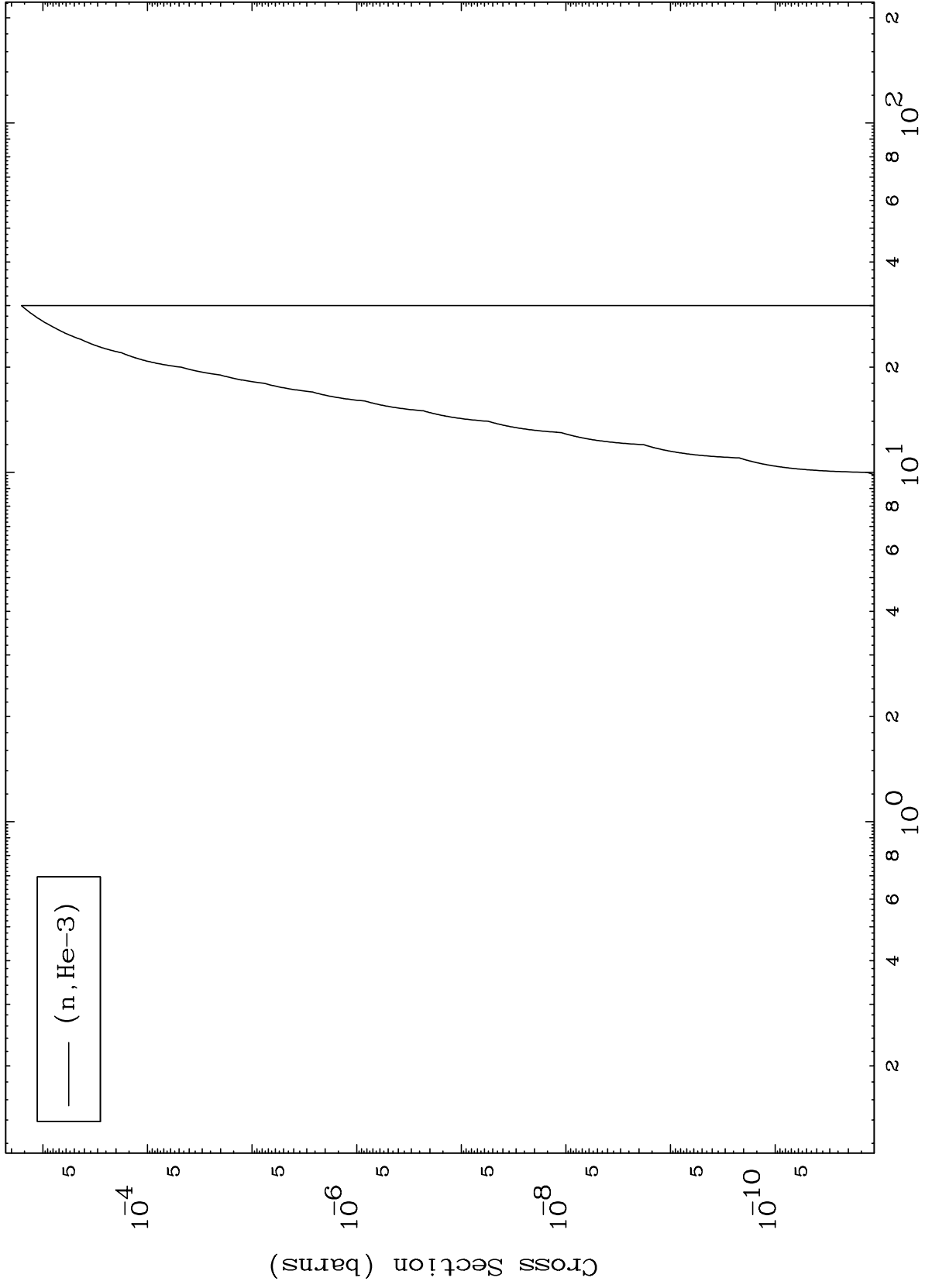
83-Bi-197m

MAT 8290

(d,He3) Levels

83-Bi-197m

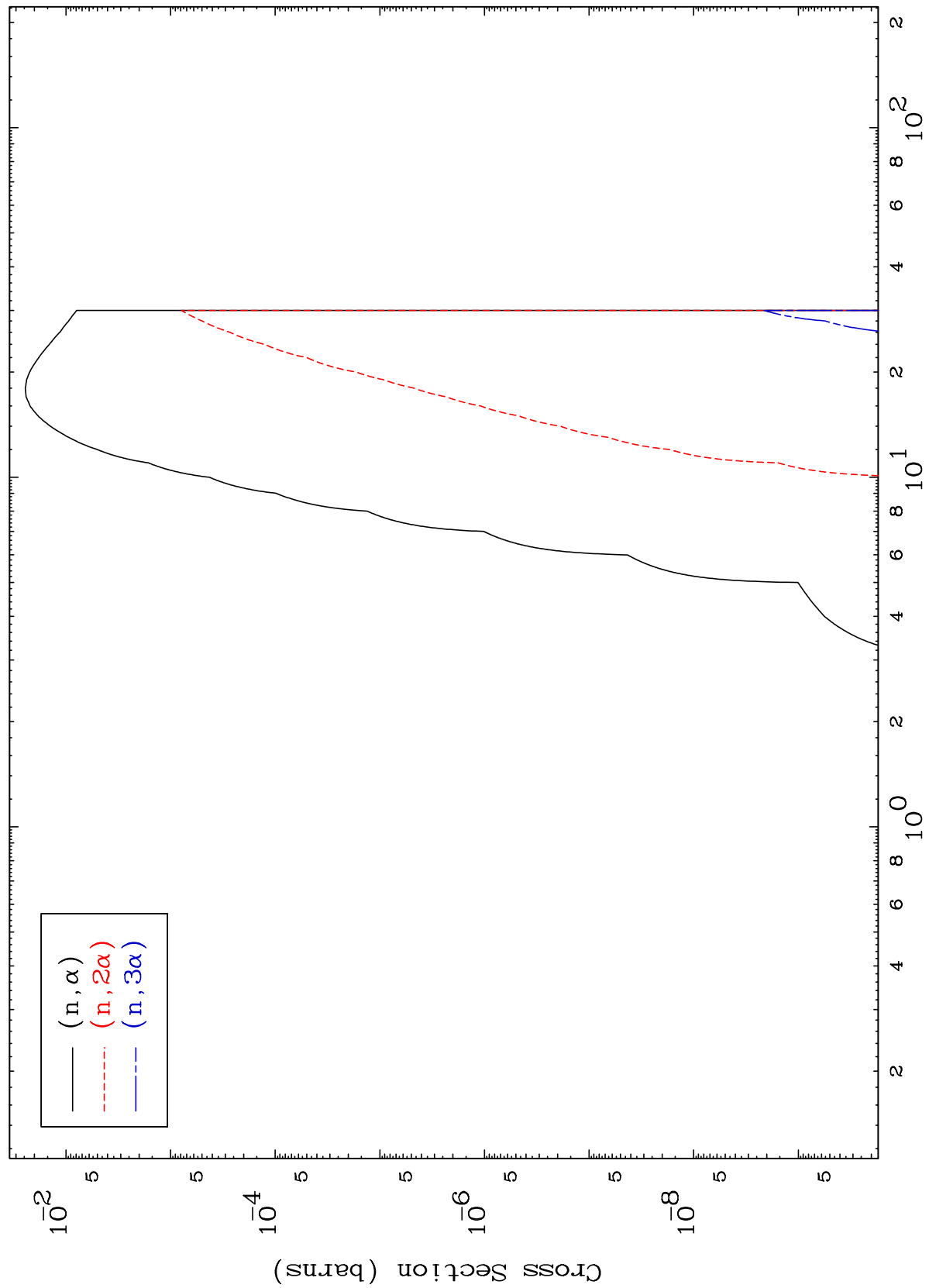
0 Kelvin Cross Sections



MAT 8290

83-Bi-197m

(d, α) Levels
0 Kelvin Cross Sections



83-Bi-197m

Incident Energy (MeV)

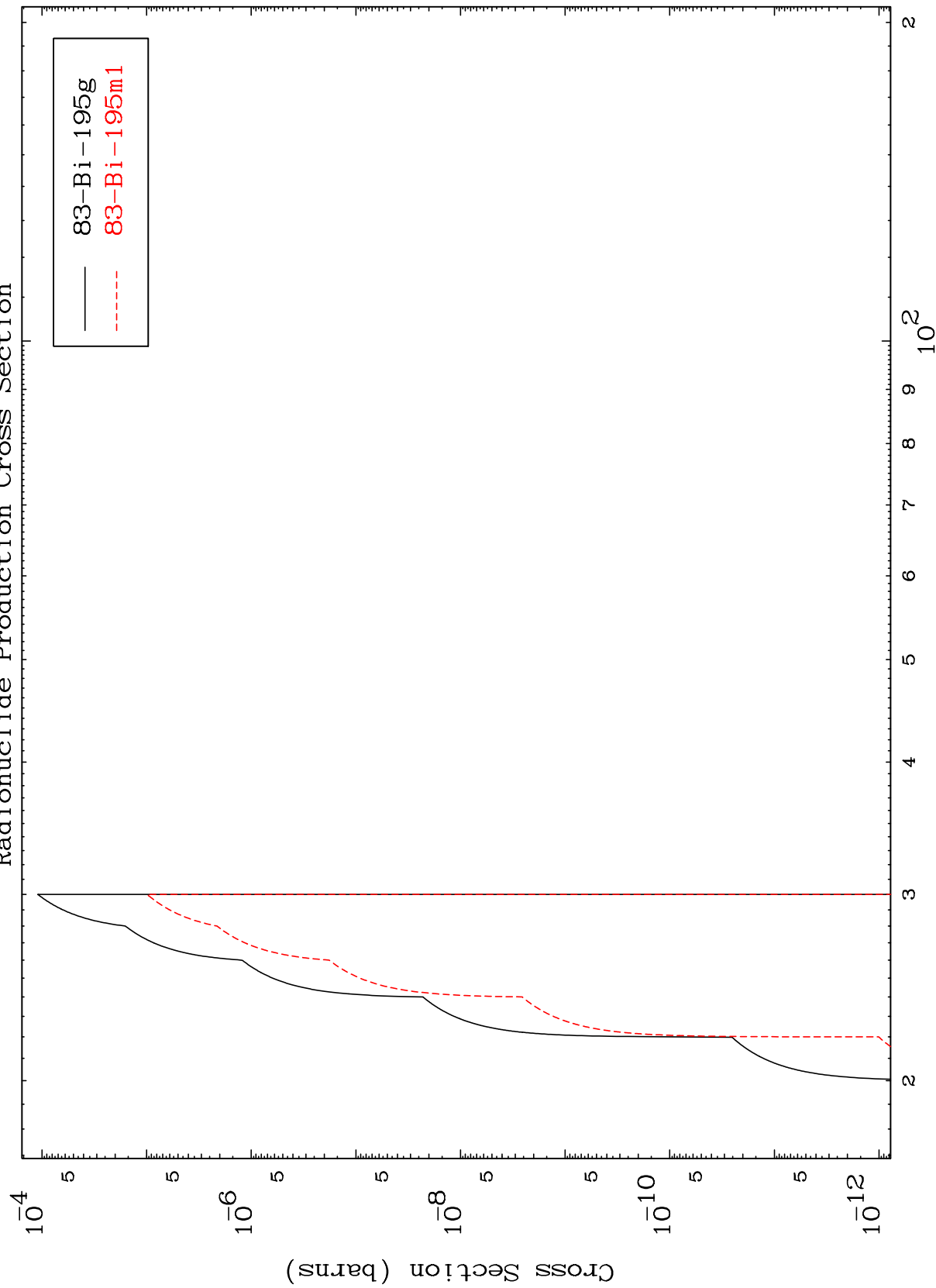
12

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(n,2n) d

83-Bi-197m

Radionuclide Production Cross Section



13

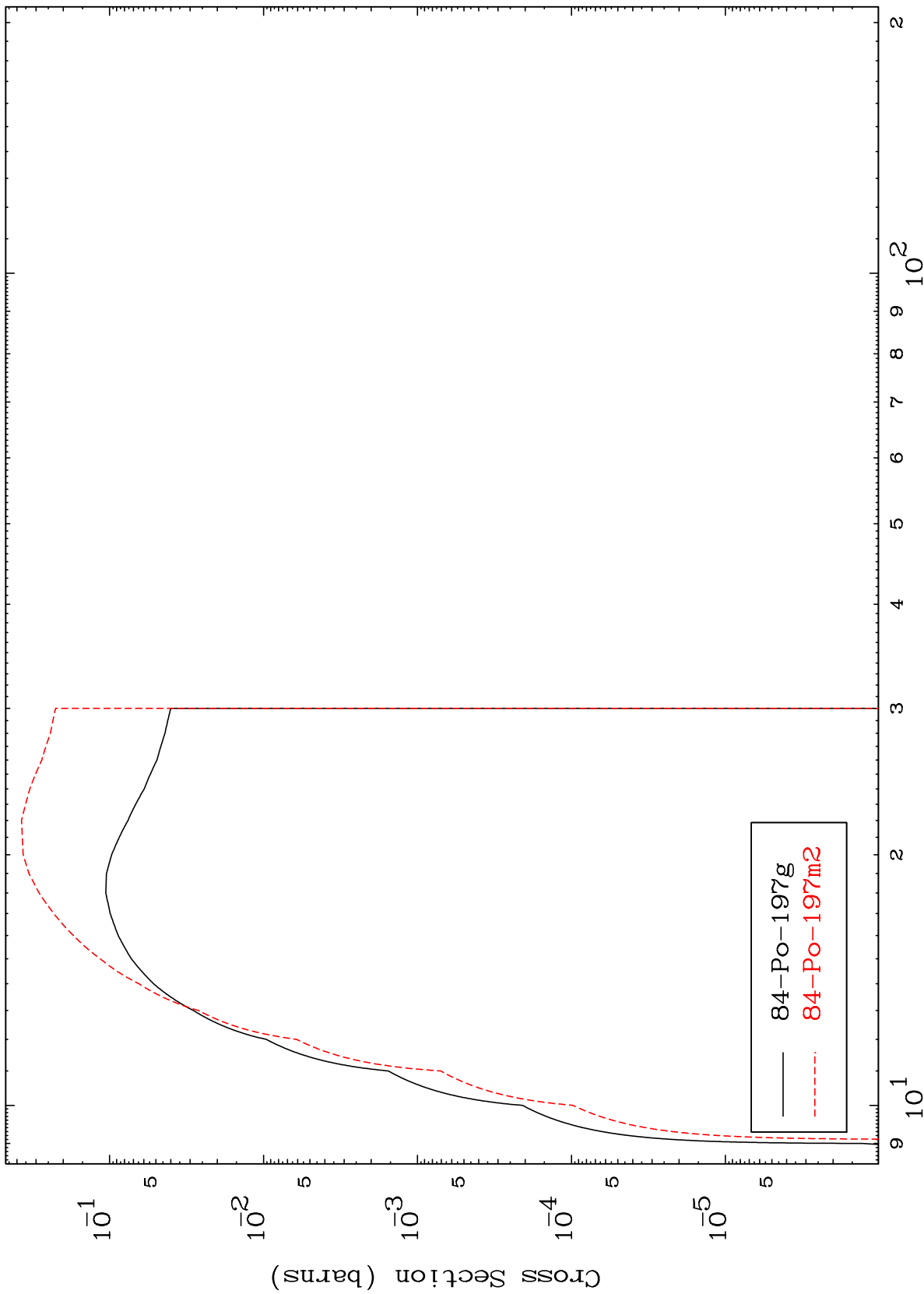
Incident Energy (MeV)

83-Bi-197m

MAT 8290

83-Bi-197m

Radionuclide Production Cross Section
(n,2n)



83-Bi-197m

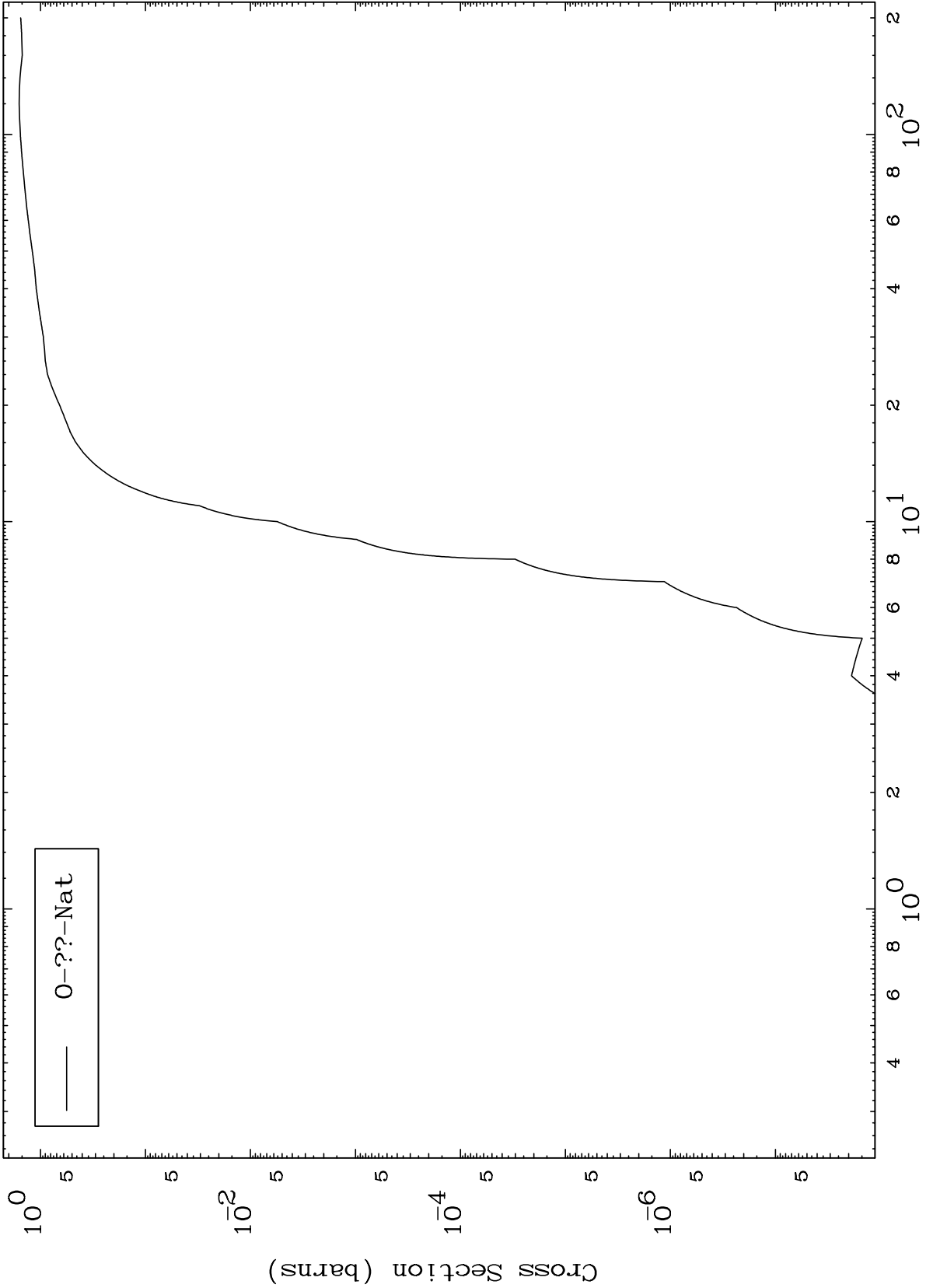
Incident Energy (MeV)

14

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83-Bi-197m

Fission
Radionuclide Production Cross Section

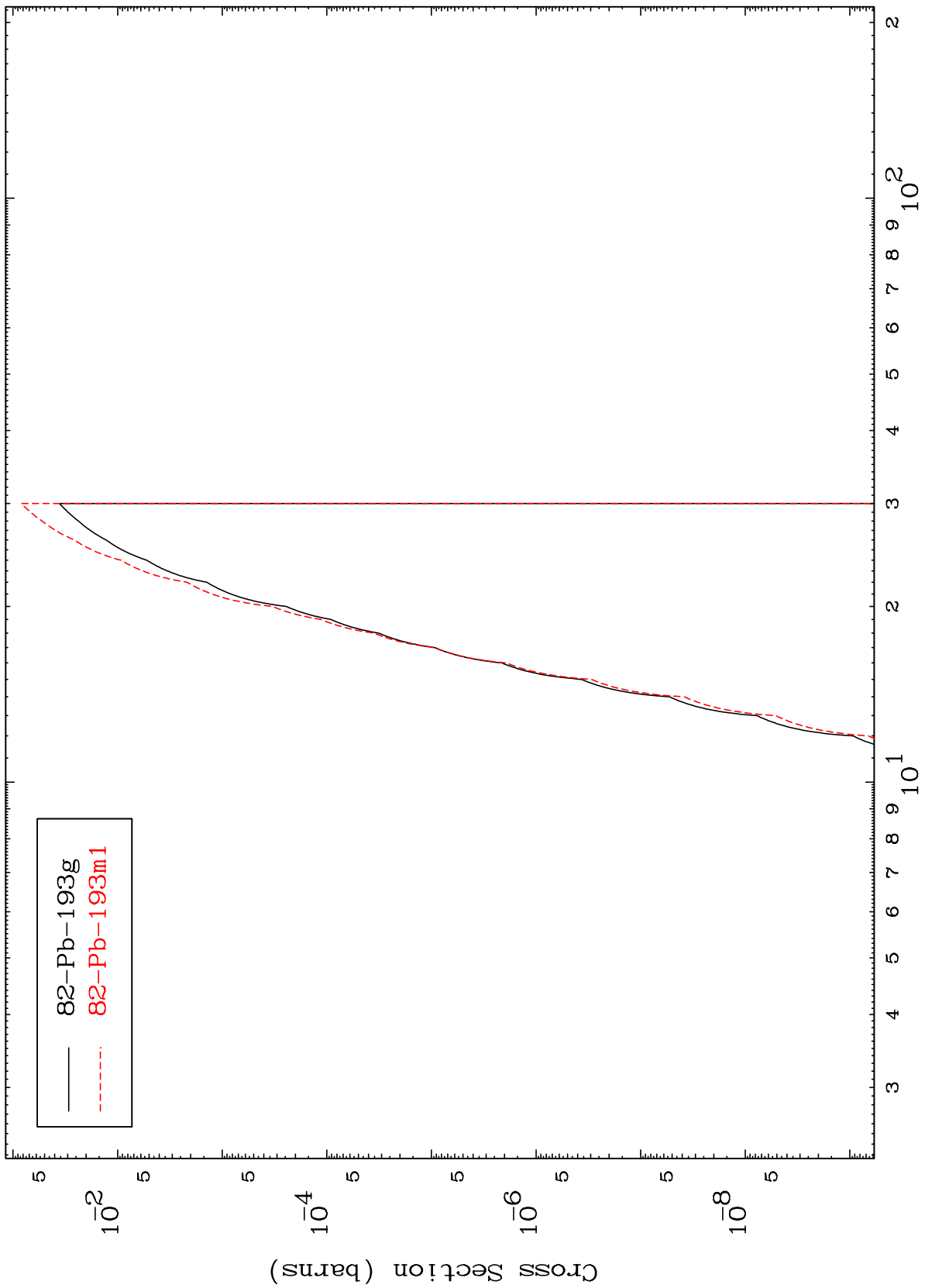


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83-Bi-197m

(n,2n) α

Radionuclide Production Cross Section



16

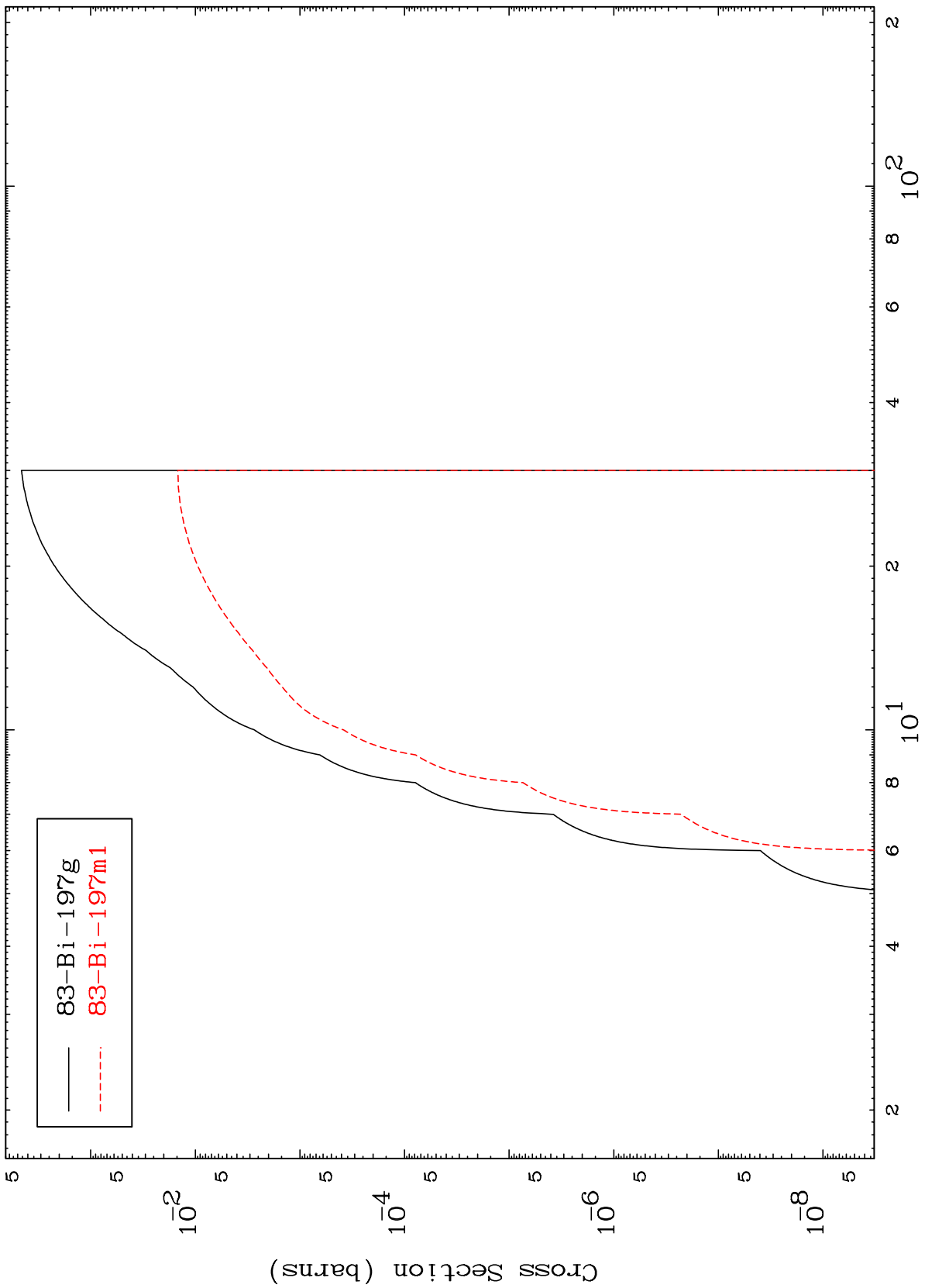
Incident Energy (MeV)

83-Bi-197m

MAT 8290

83-Bi-197m

(n,n') p
Radionuclide Production Cross Section



17

Incident Energy (MeV)

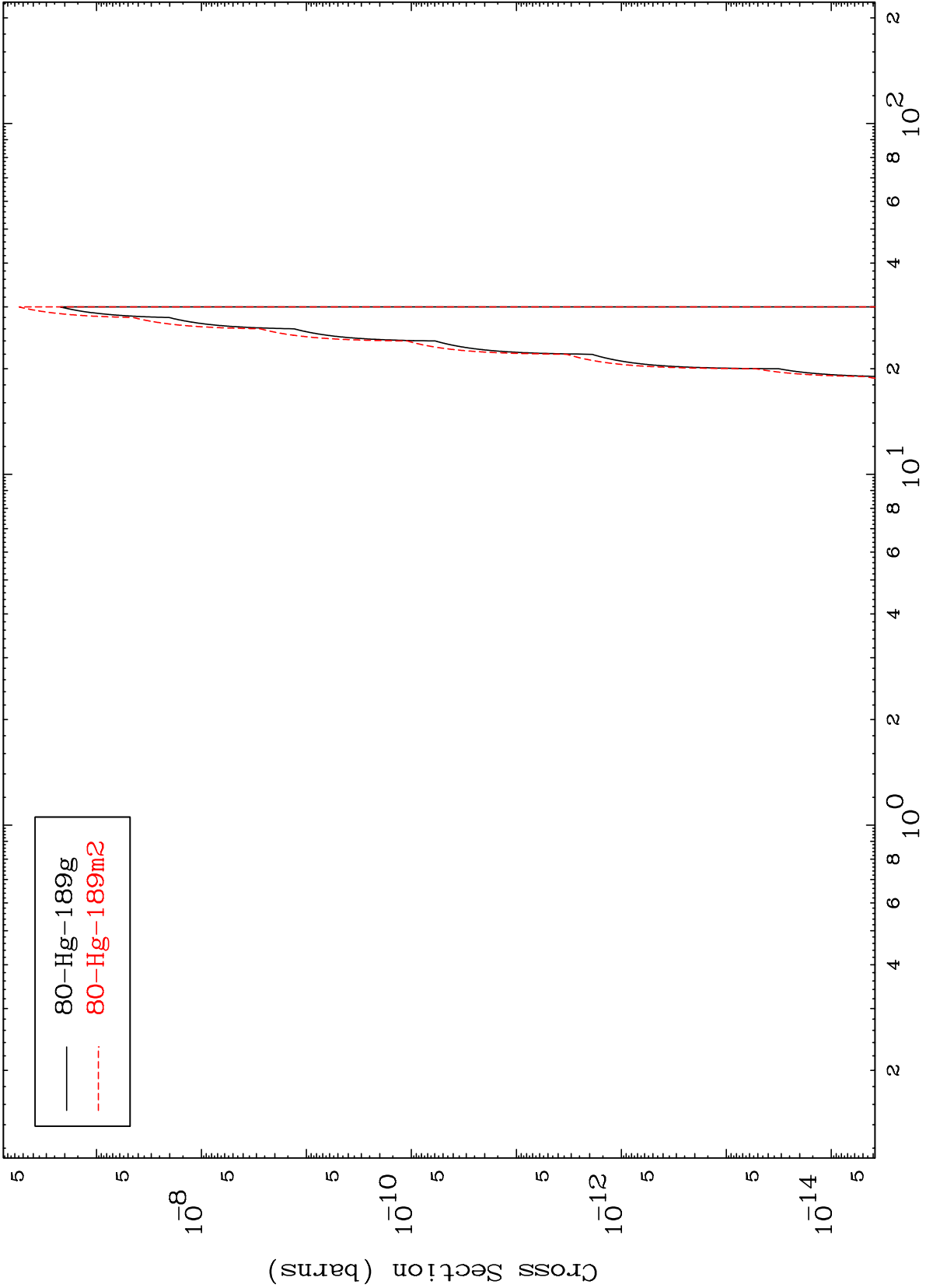
83-Bi-197m

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$(n,2n) 2\alpha$

83-Bi-197m

Radionuclide Production Cross Section



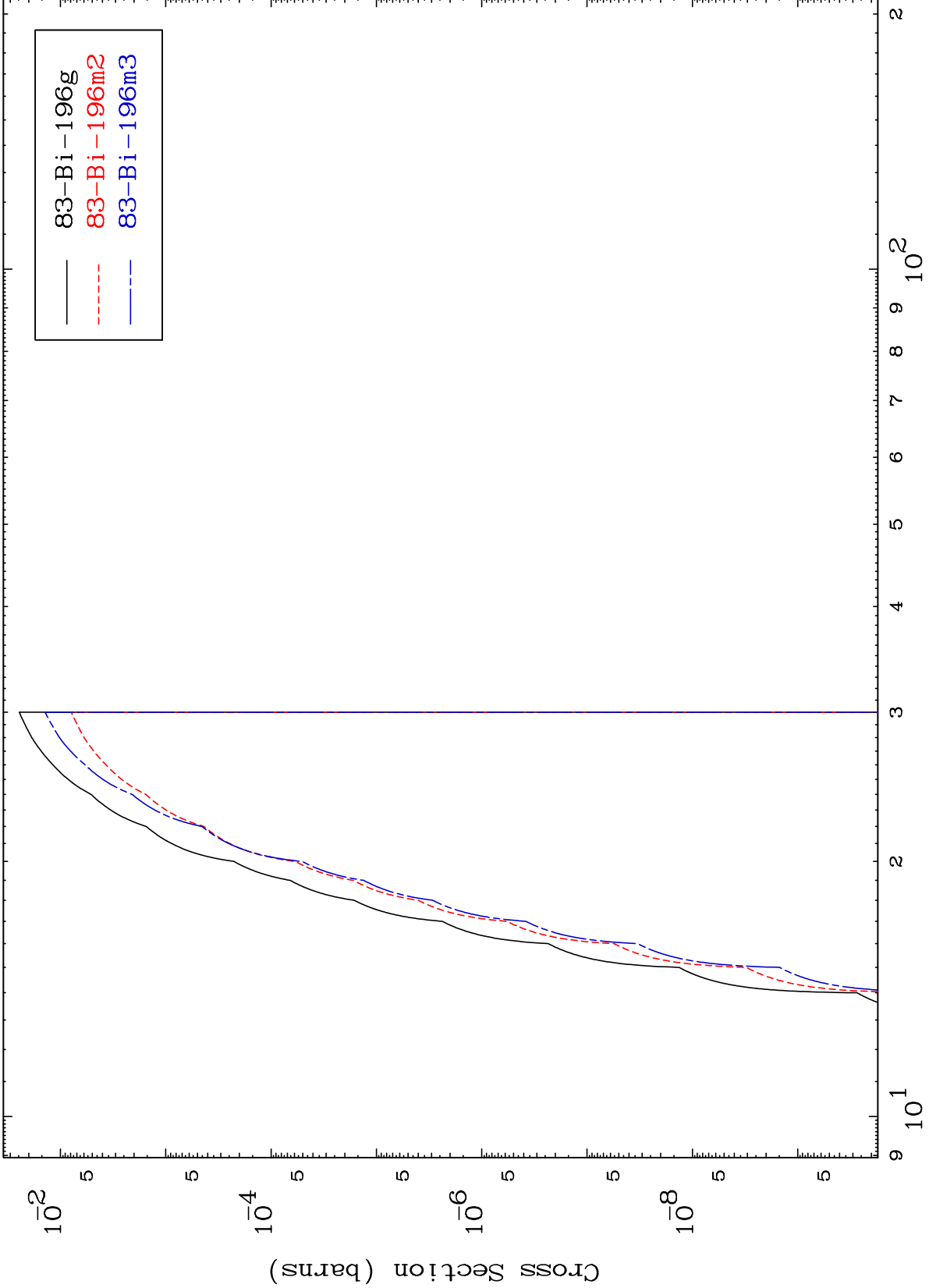
80-Hg-189g
80-Hg-189m2

MAT 8290

(n,n') d

83-Bi-197m

Radionuclide Production Cross Section



9

10¹

Incident Energy (MeV)

10²

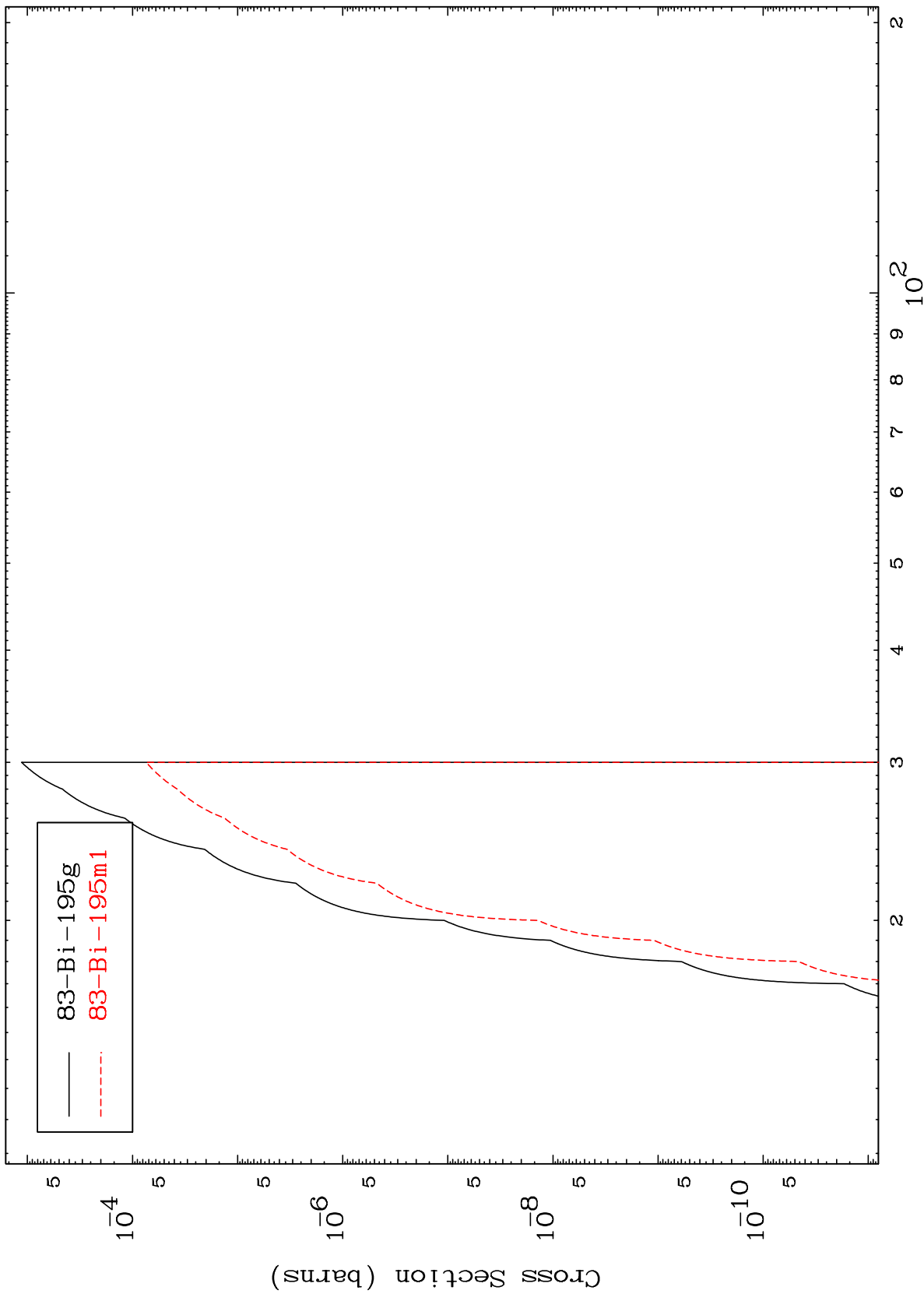
83-Bi-197m

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(n,n') t

83-Bi-197m

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-197m

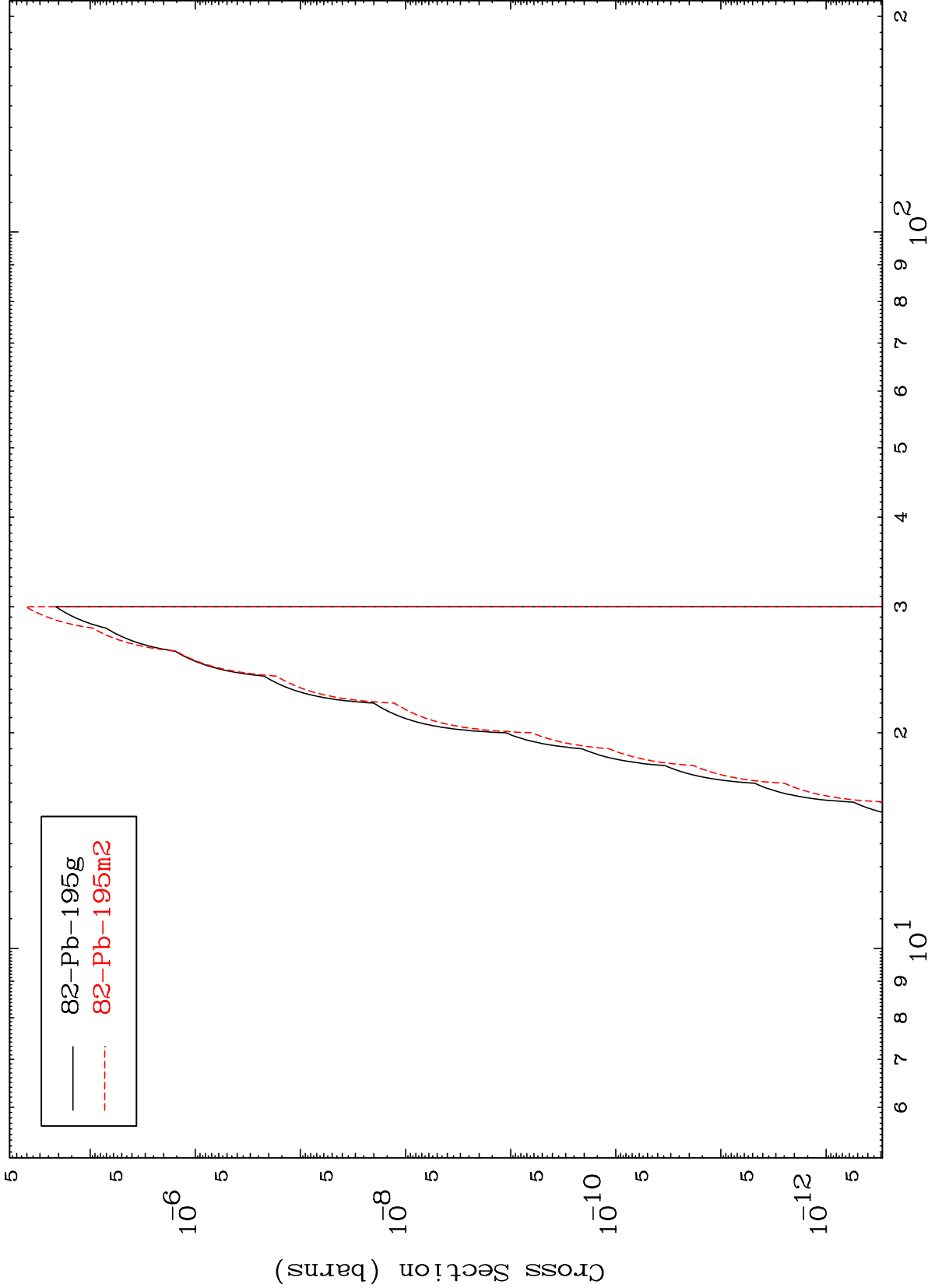
20

MAT 8290

(n,n') He-3

83-Bi-197m

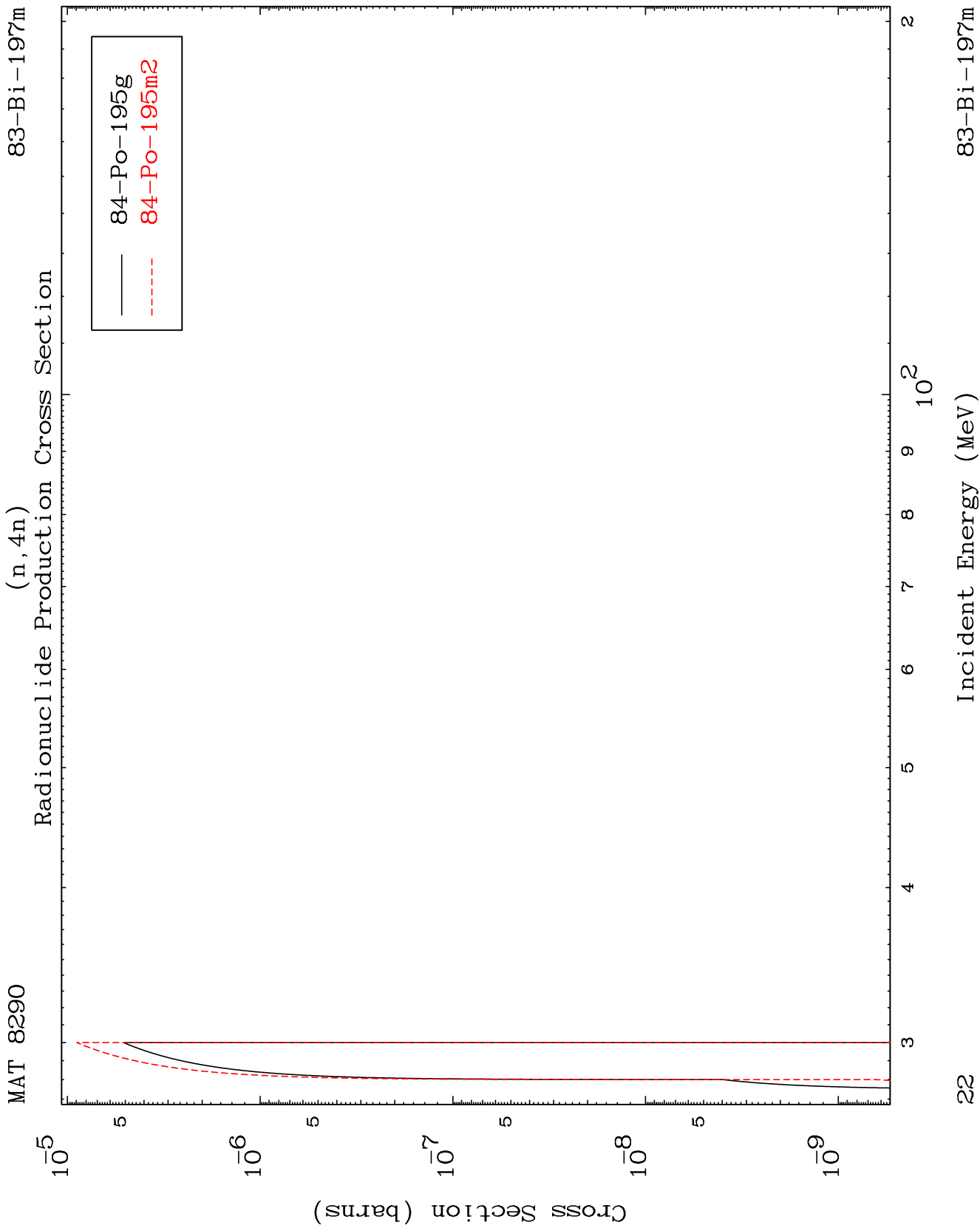
Radionuclide Production Cross Section



21

Incident Energy (MeV)

83-Bi-197m

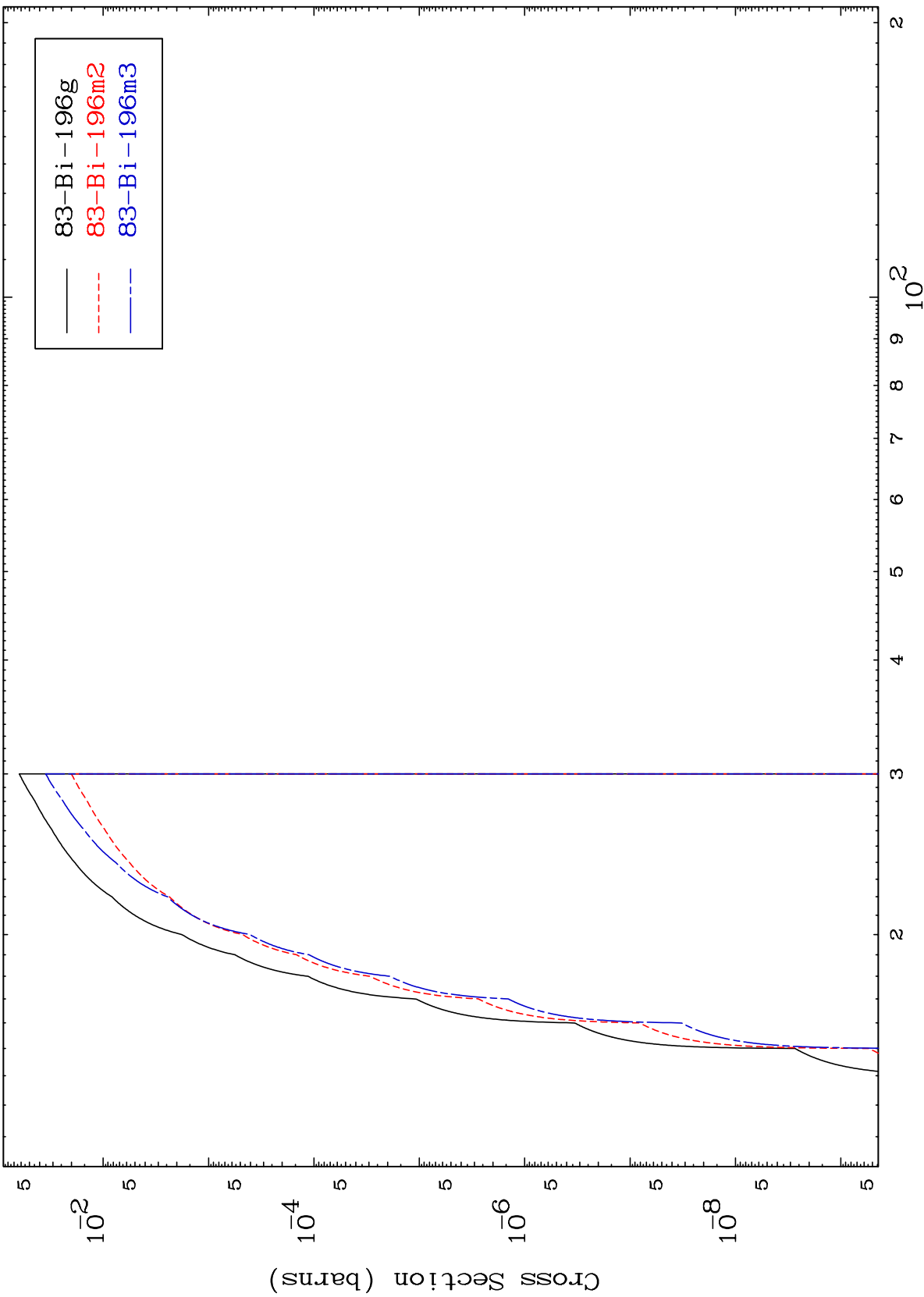


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$(n,2n)$ p

$^{83}\text{Bi}-197\text{m}$

Radionuclide Production Cross Section

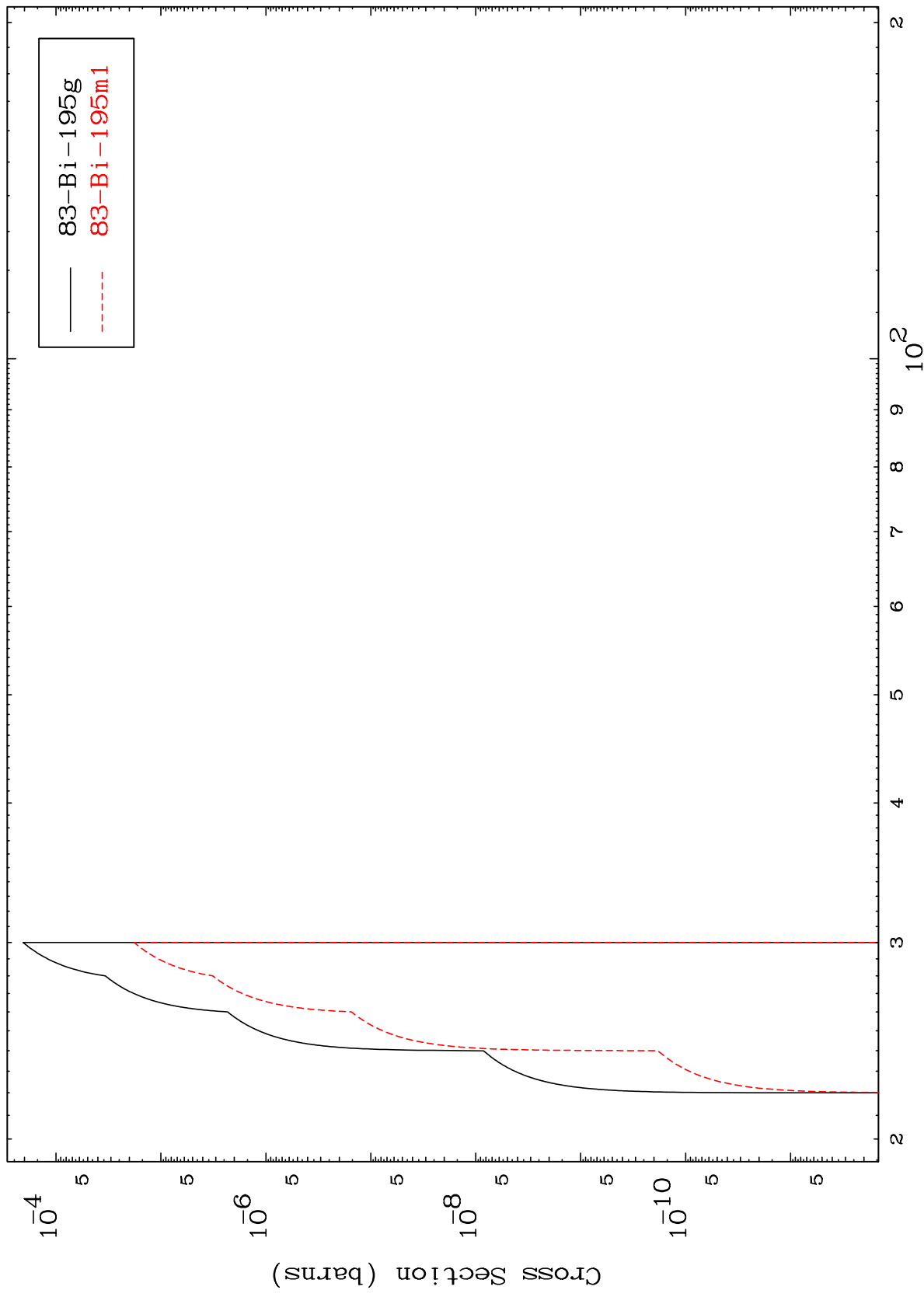


MAT 8290

$^{83}\text{Bi}-197\text{m}$

$(n,3n) p$

Radionuclide Production Cross Section



24

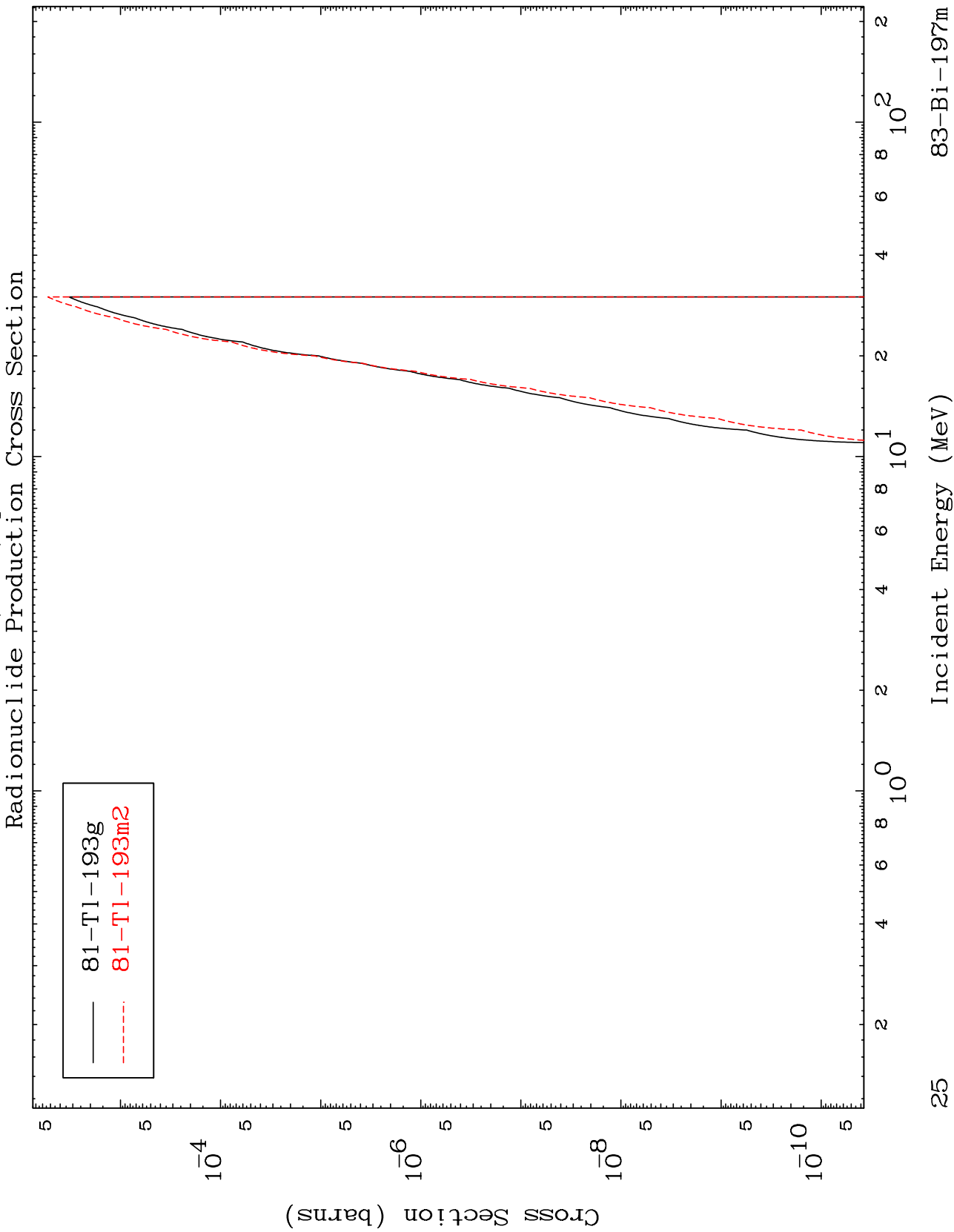
Incident Energy (MeV)

$^{83}\text{Bi}-197\text{m}$

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(n,n') p α

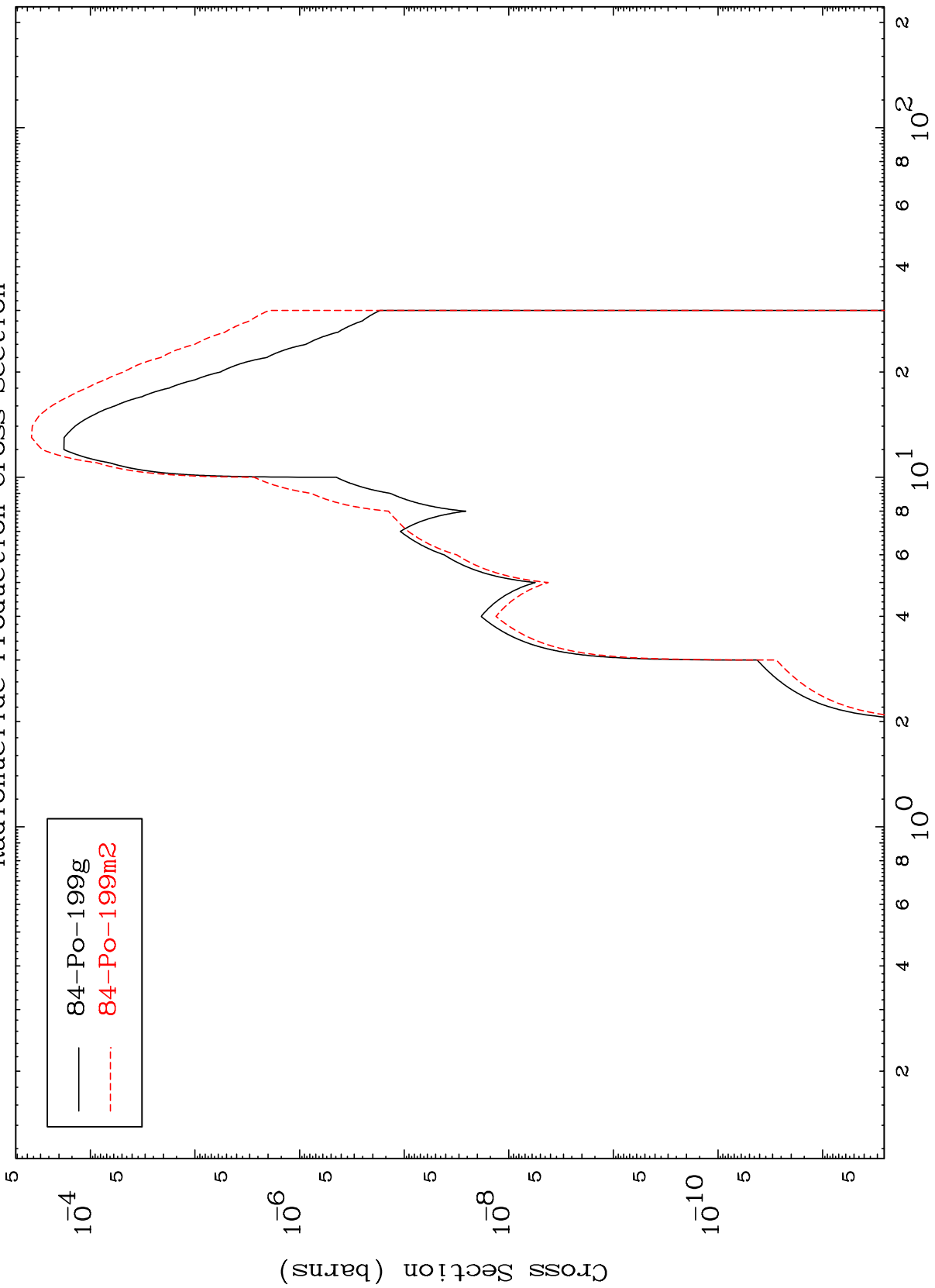
83-Bi-197m



MAT 8290

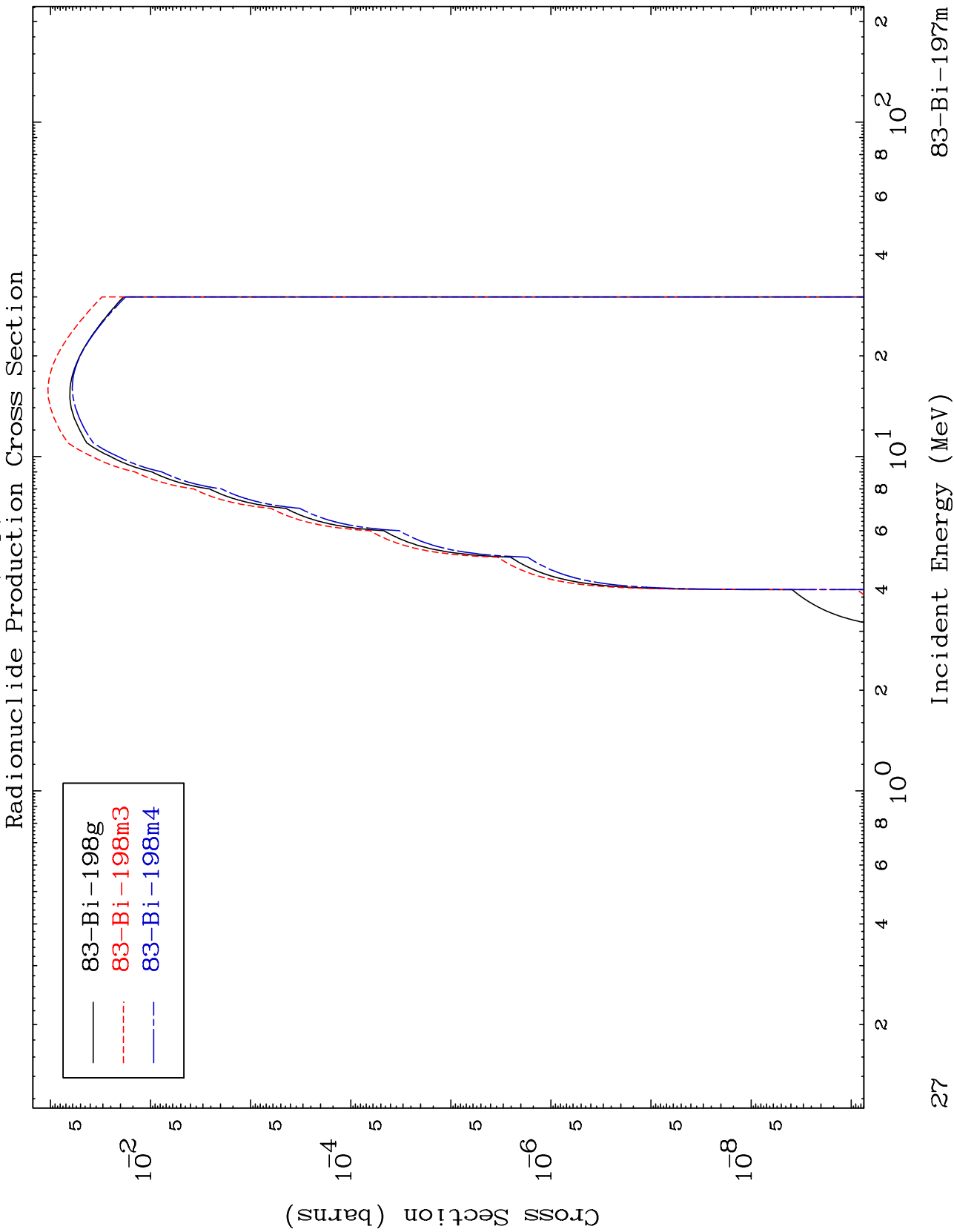
83-Bi-197m

(n, γ)
Radionuclide Production Cross Section



MAT 8290

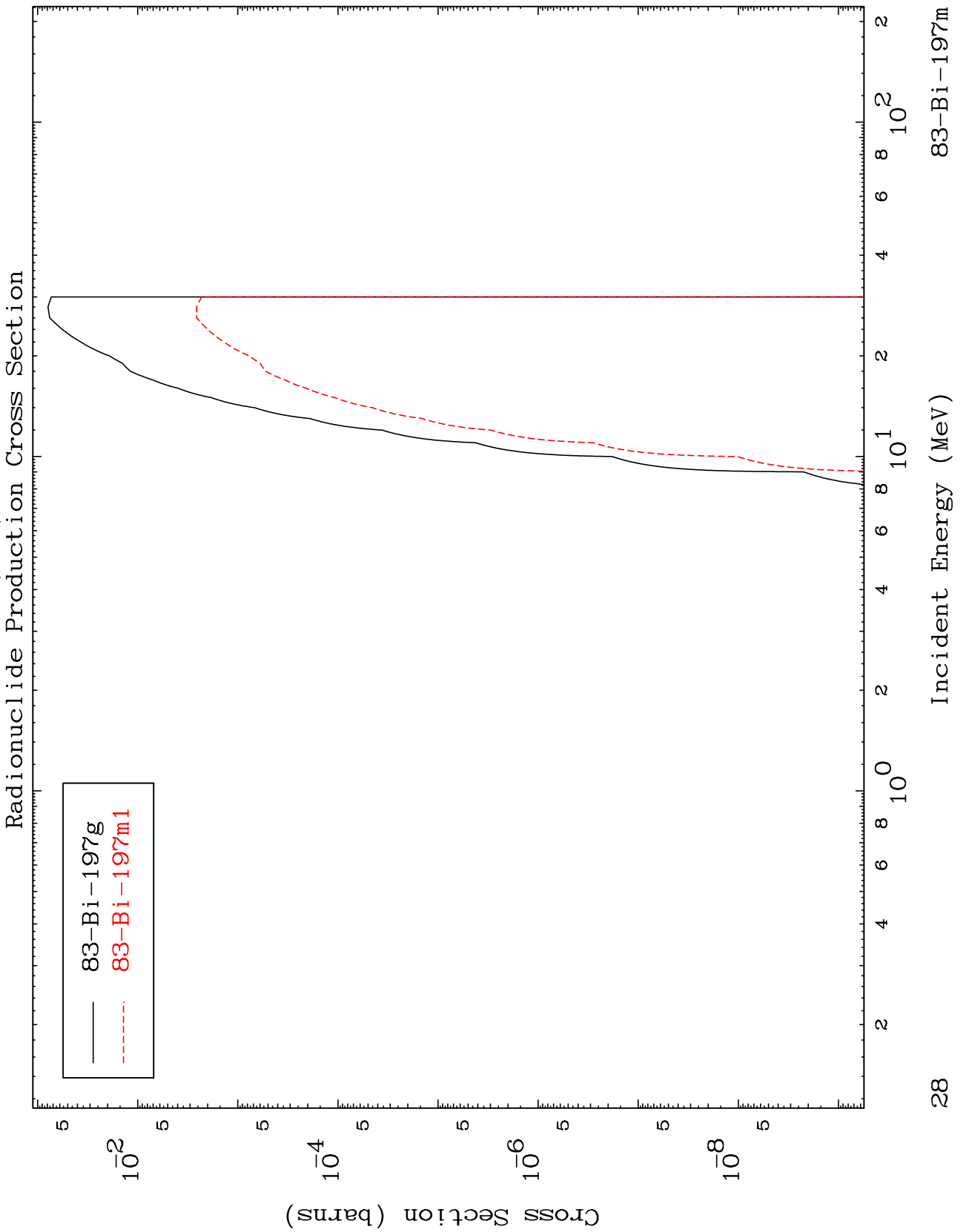
$^{83}\text{Bi}-197\text{m}$

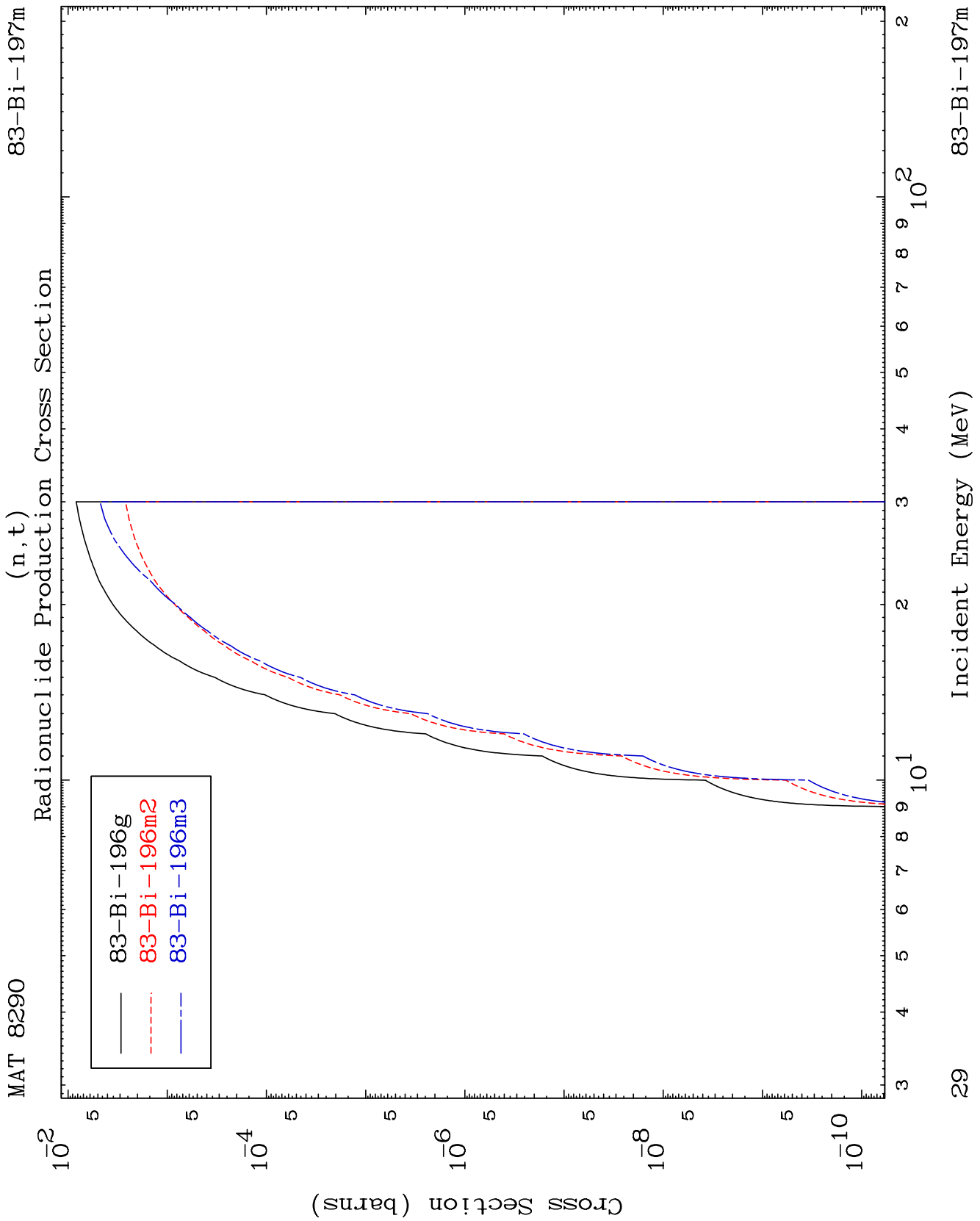


83-Bi-198g
83-Bi-198m3
83-Bi-198m4

MAT 8290

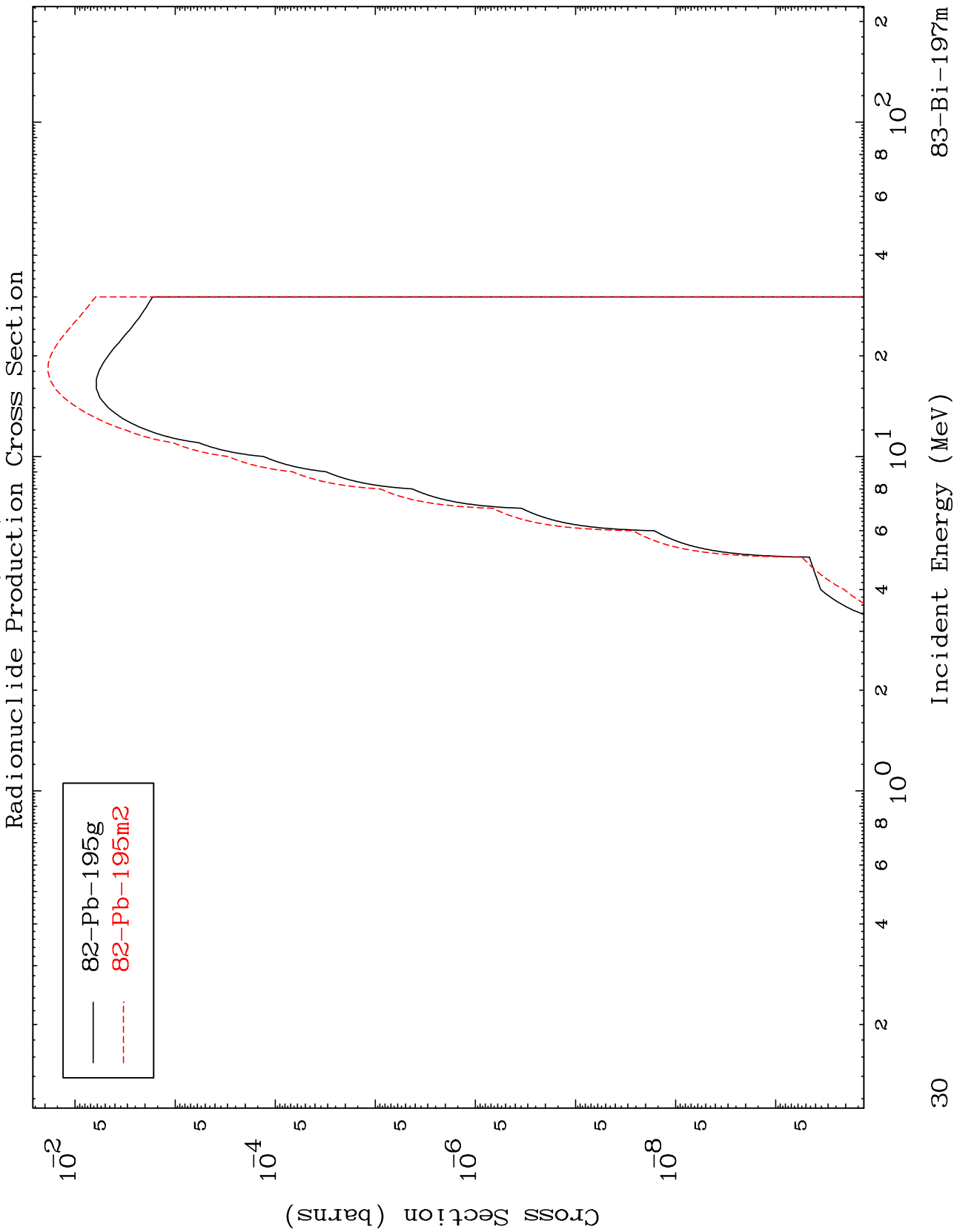
⁸³Bi-197m





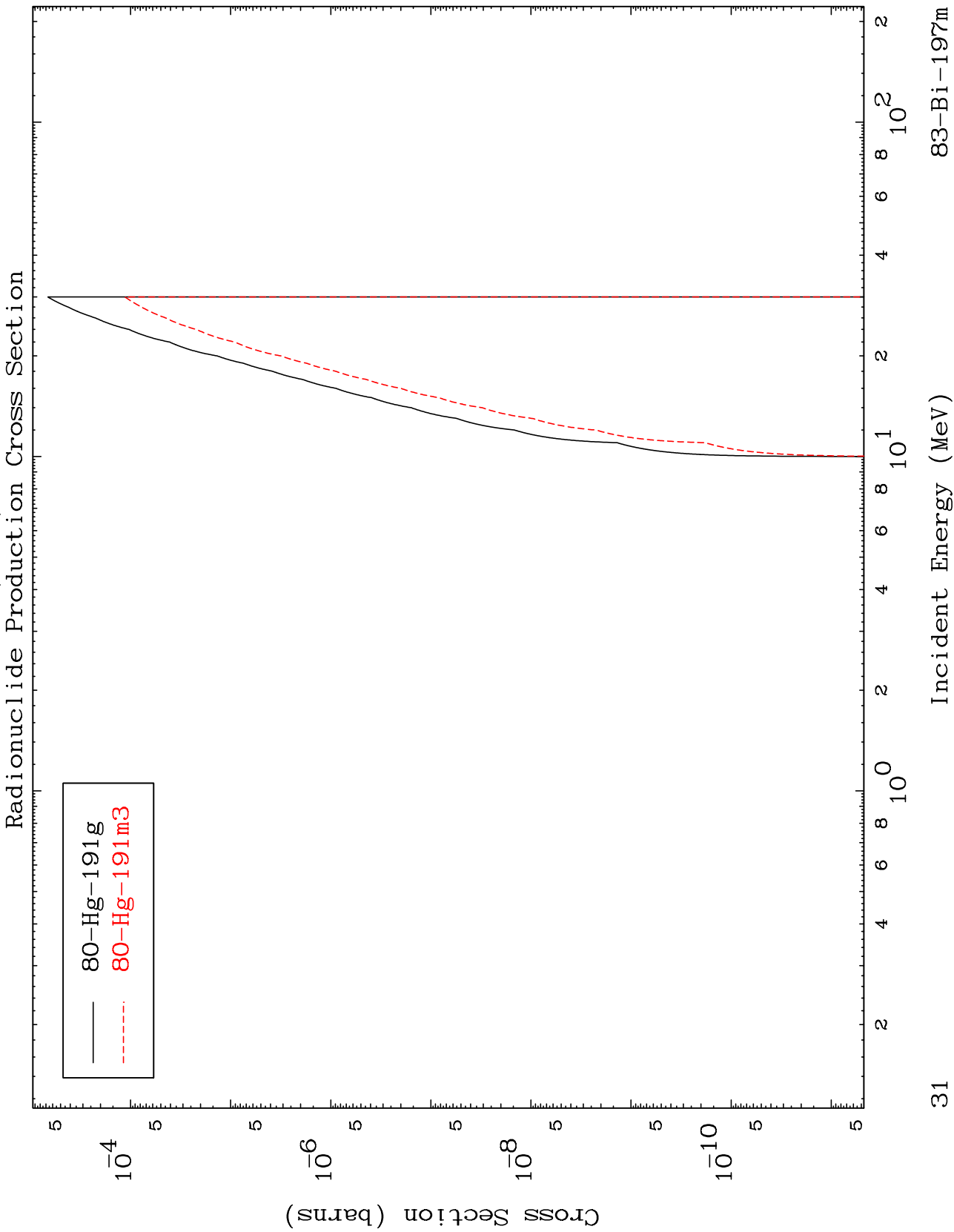
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83-Bi-197m



MAT 8290

83-Bi-197m

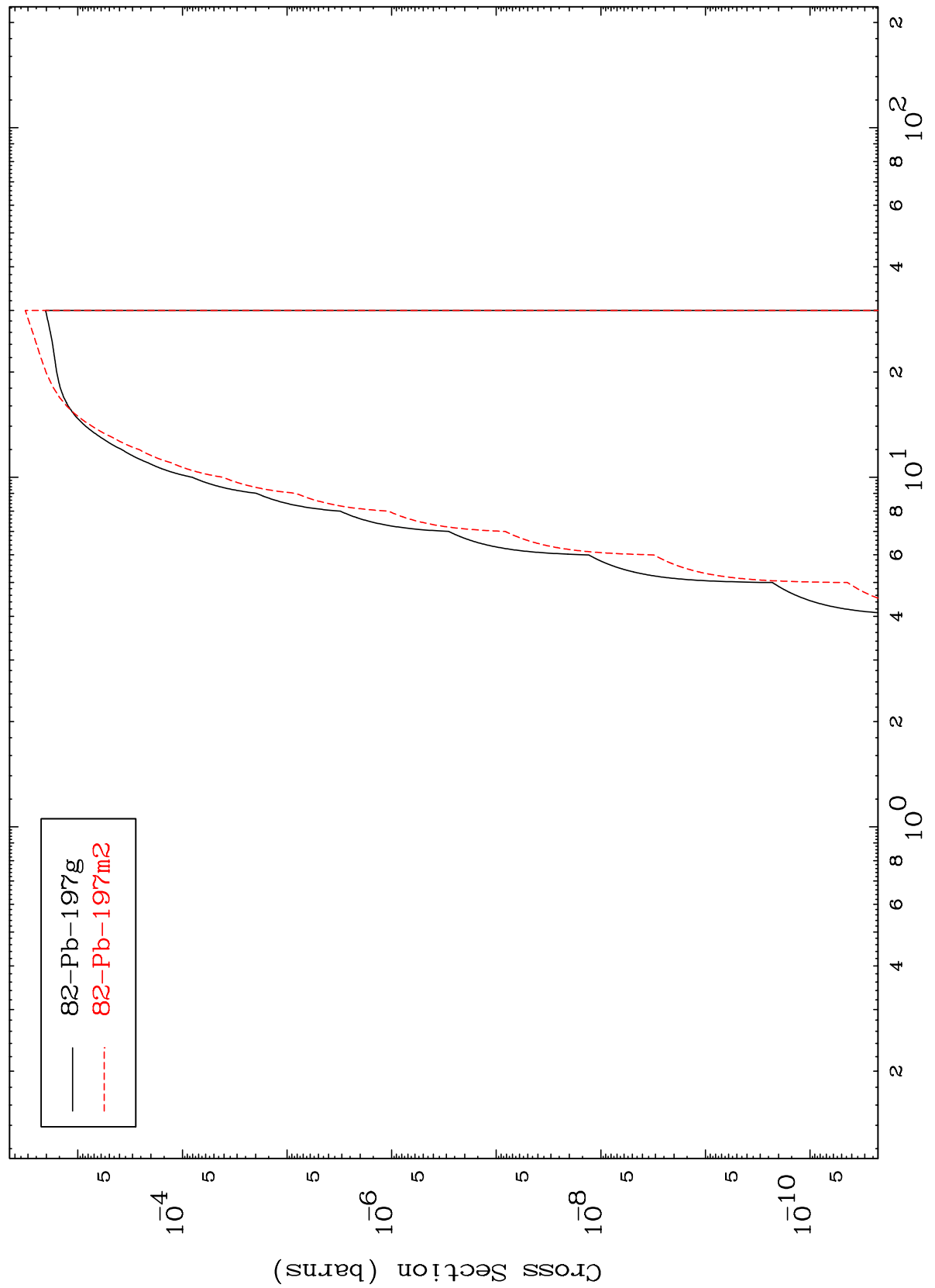


— 80-Hg-191g
- - - 80-Hg-191m3

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⁸³Bi-197m

(n,2p)
Radionuclide Production Cross Section

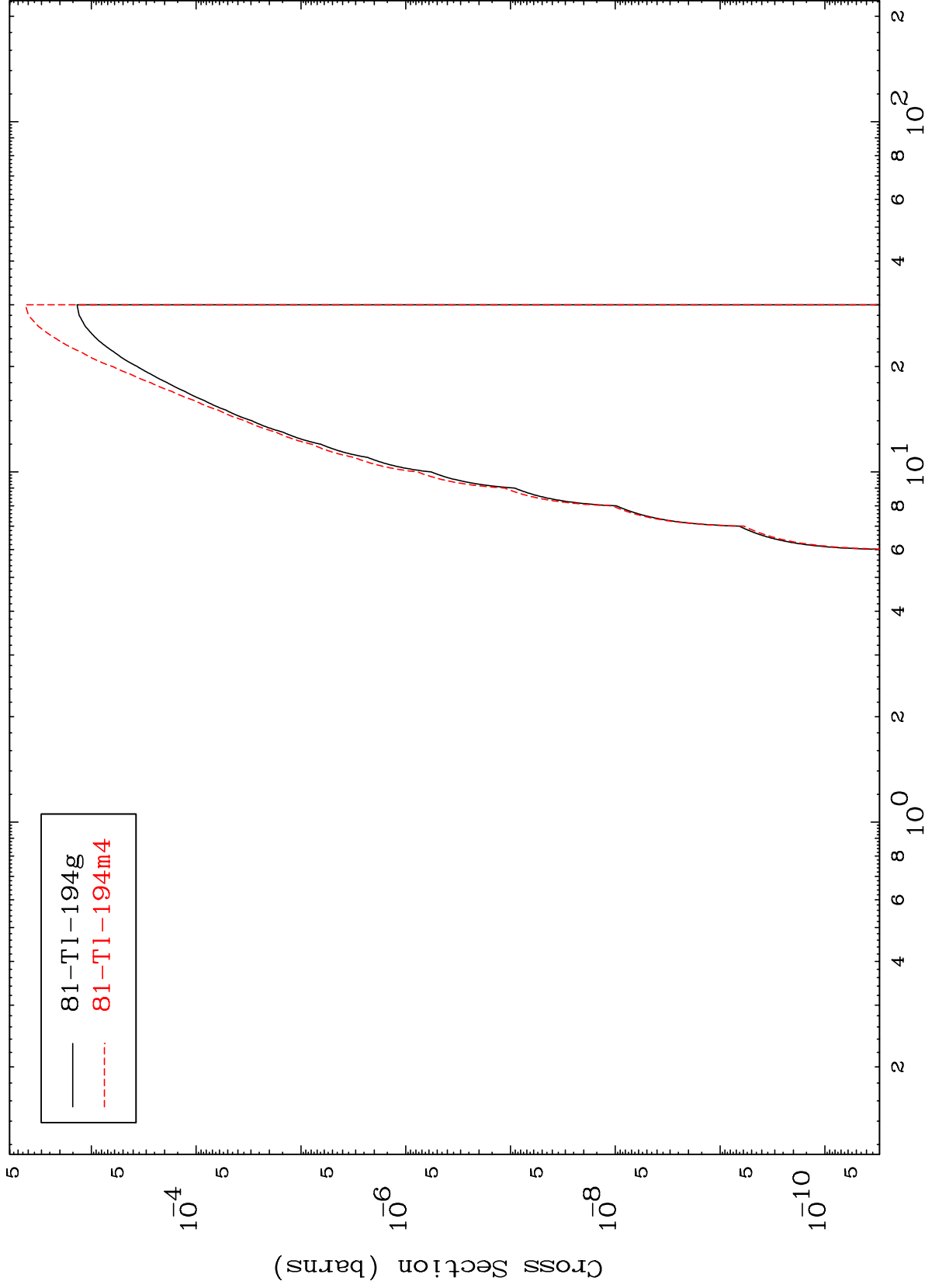


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(n,p) α

⁸³Bi-197m

Radionuclide Production Cross Section



33

Incident Energy (MeV)

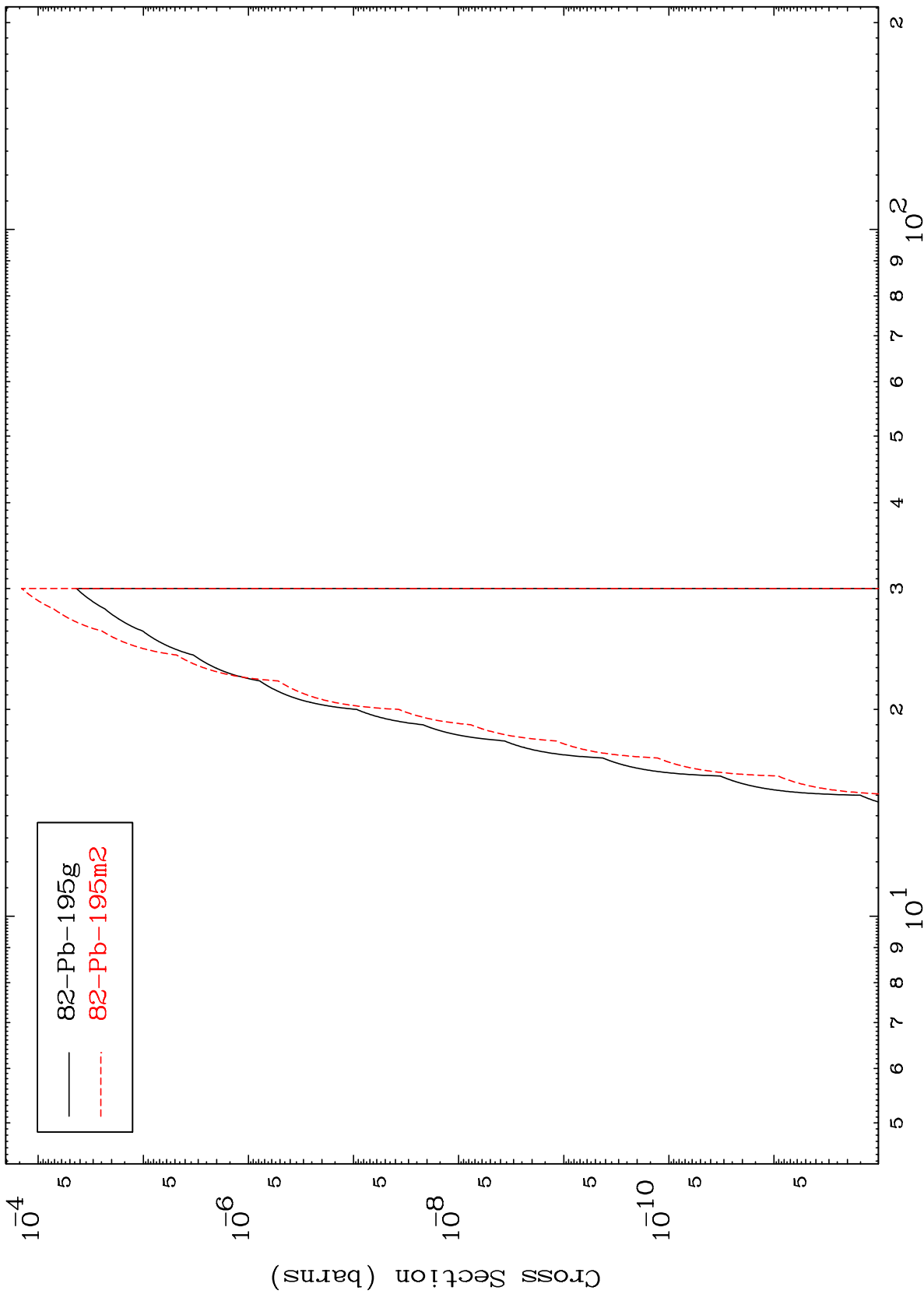
⁸³Bi-197m

MAT 8290

(n,p) t

83-Bi-197m

Radionuclide Production Cross Section



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

Incident Energy (MeV)

83-Bi-197m

34

MAT 8290

(n,d) α

$^{83}\text{Bi}-197\text{m}$

