

Program EVALPLOT
(Version 2021-1)

by

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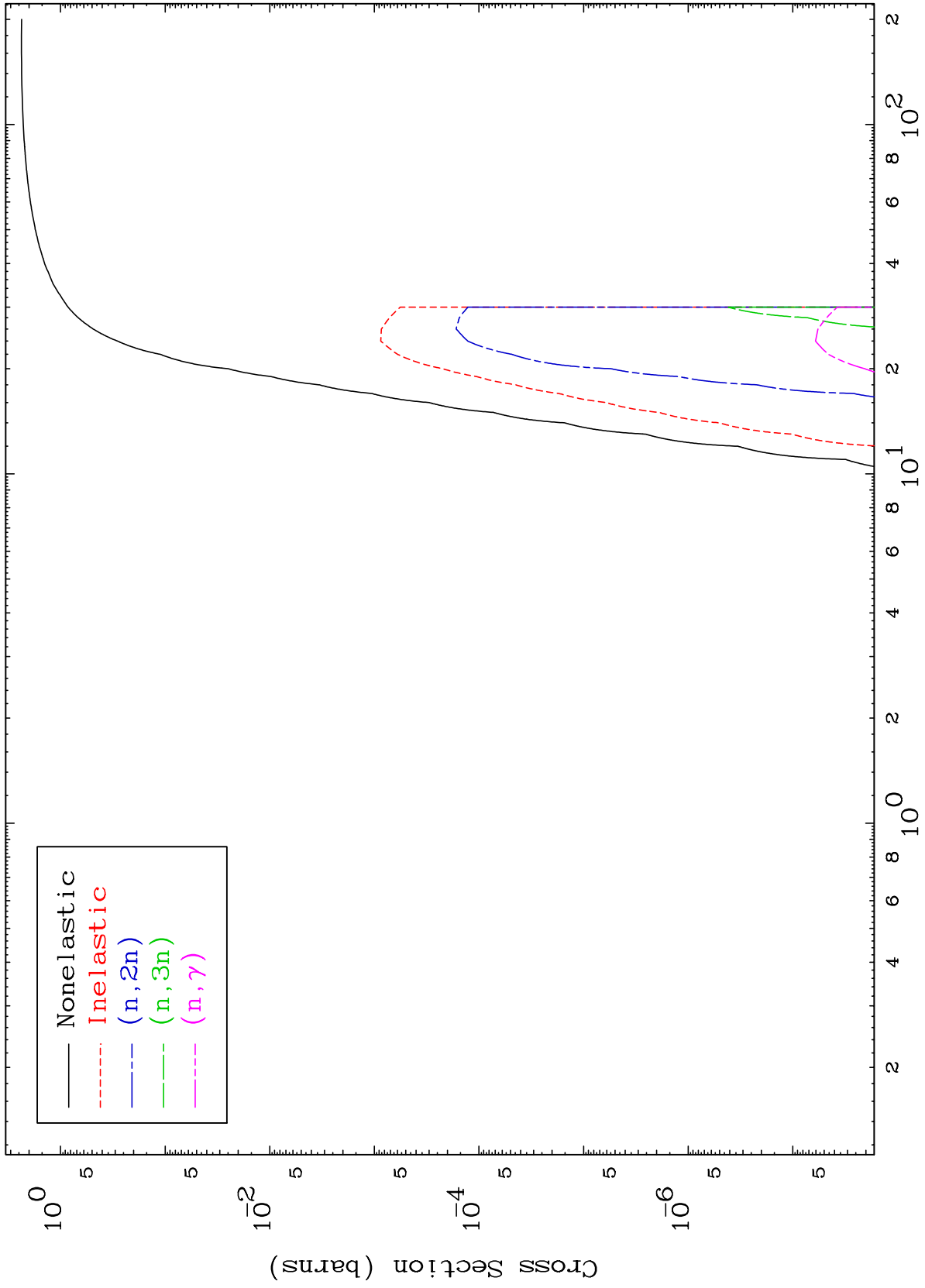
Press Mouse Button to Start

MAT 8284

He-3 Major

83-Bi-195m

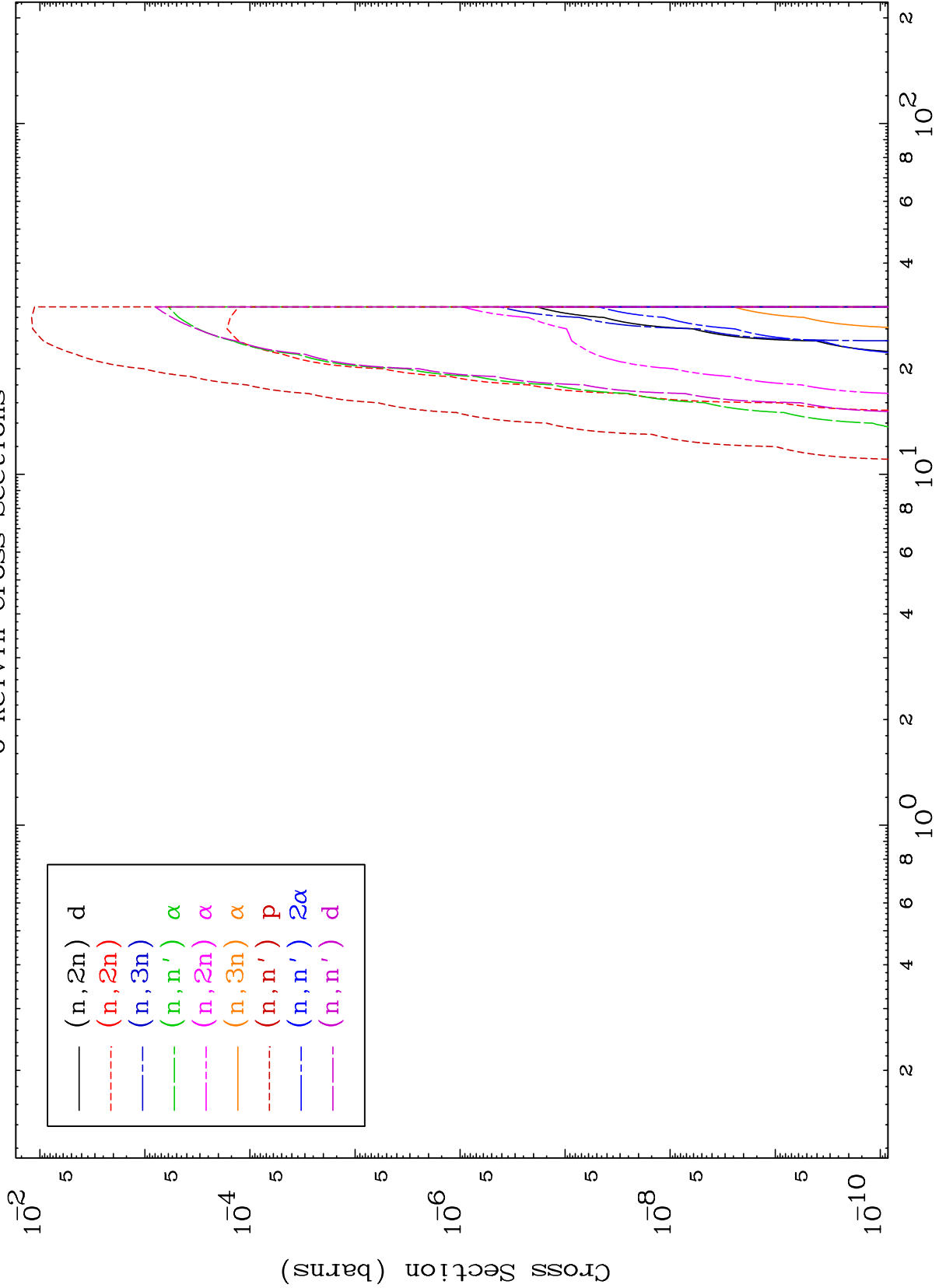
0 Kelvin Cross Sections



MAT 8284

He-3 Neutron Absorption
0 Kelvin Cross Sections

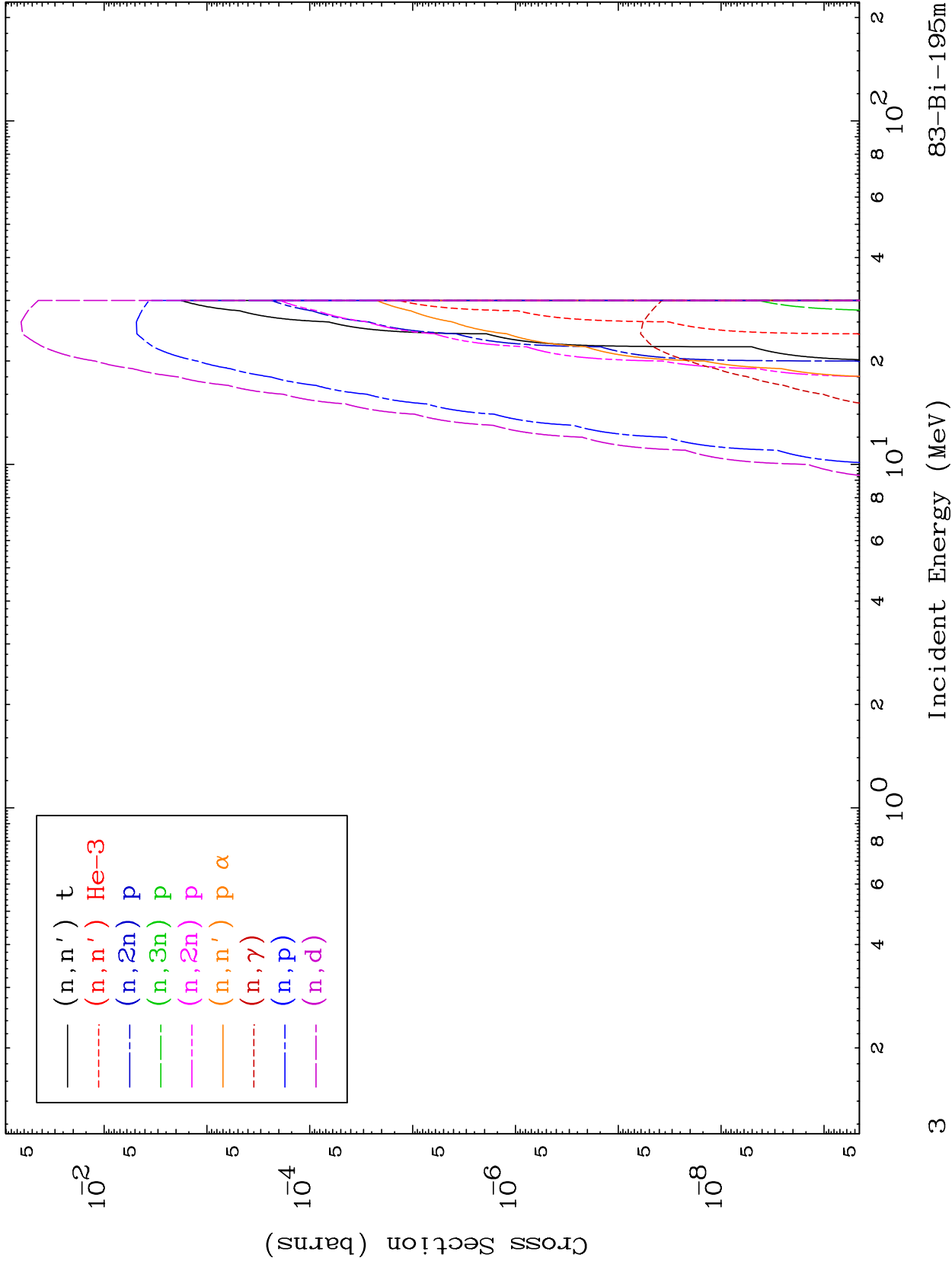
83-Bi-195m



MAT 8284

He-3 Neutron Absorption
0 Kelvin Cross Sections

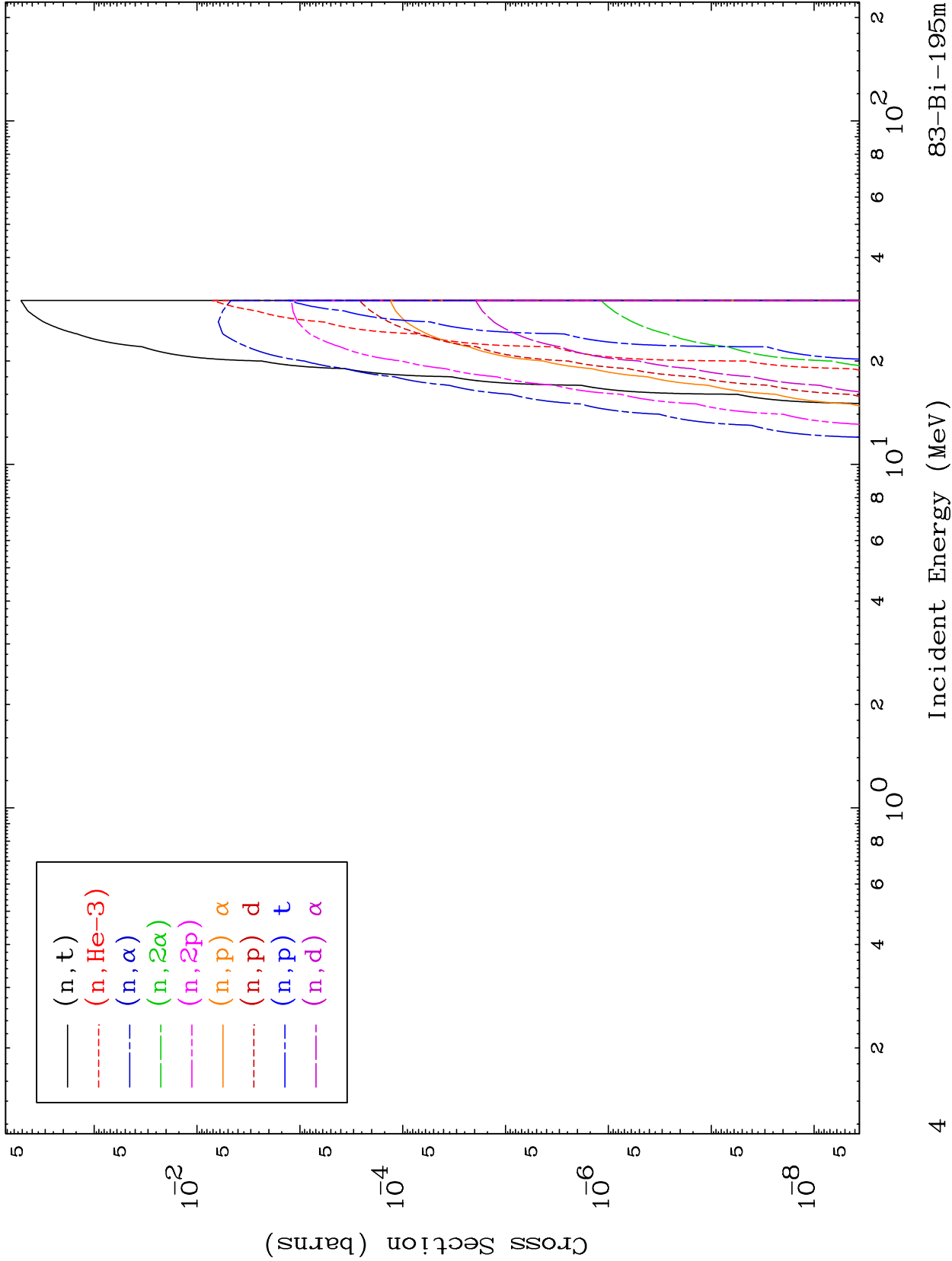
83-Bi-195m



MAT 8284

He-3 Neutron Absorption
0 Kelvin Cross Sections

83-Bi-195m

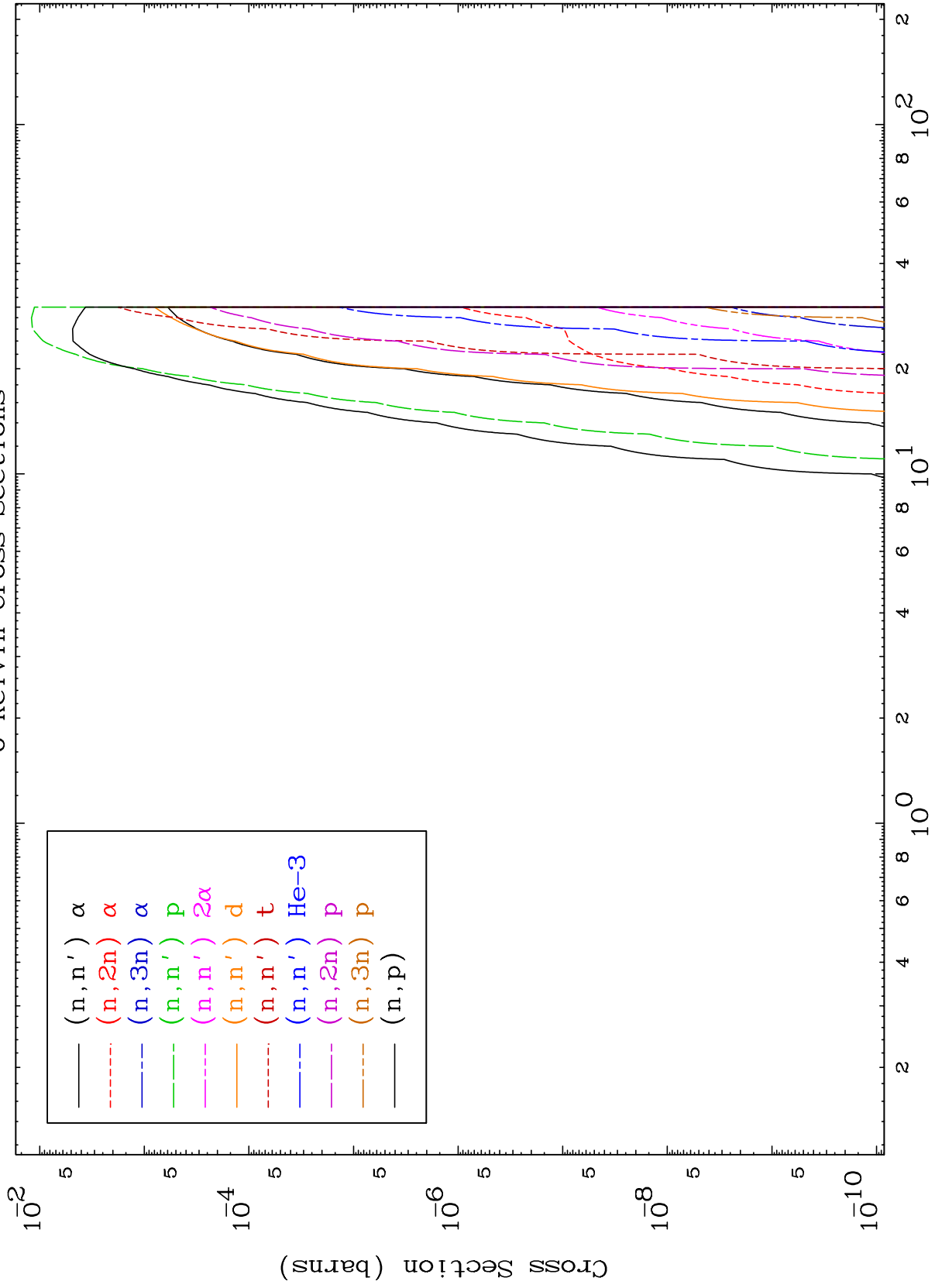


83-Bi-195m

MAT 8284

He-3 Charged Particle
0 Kelvin Cross Sections

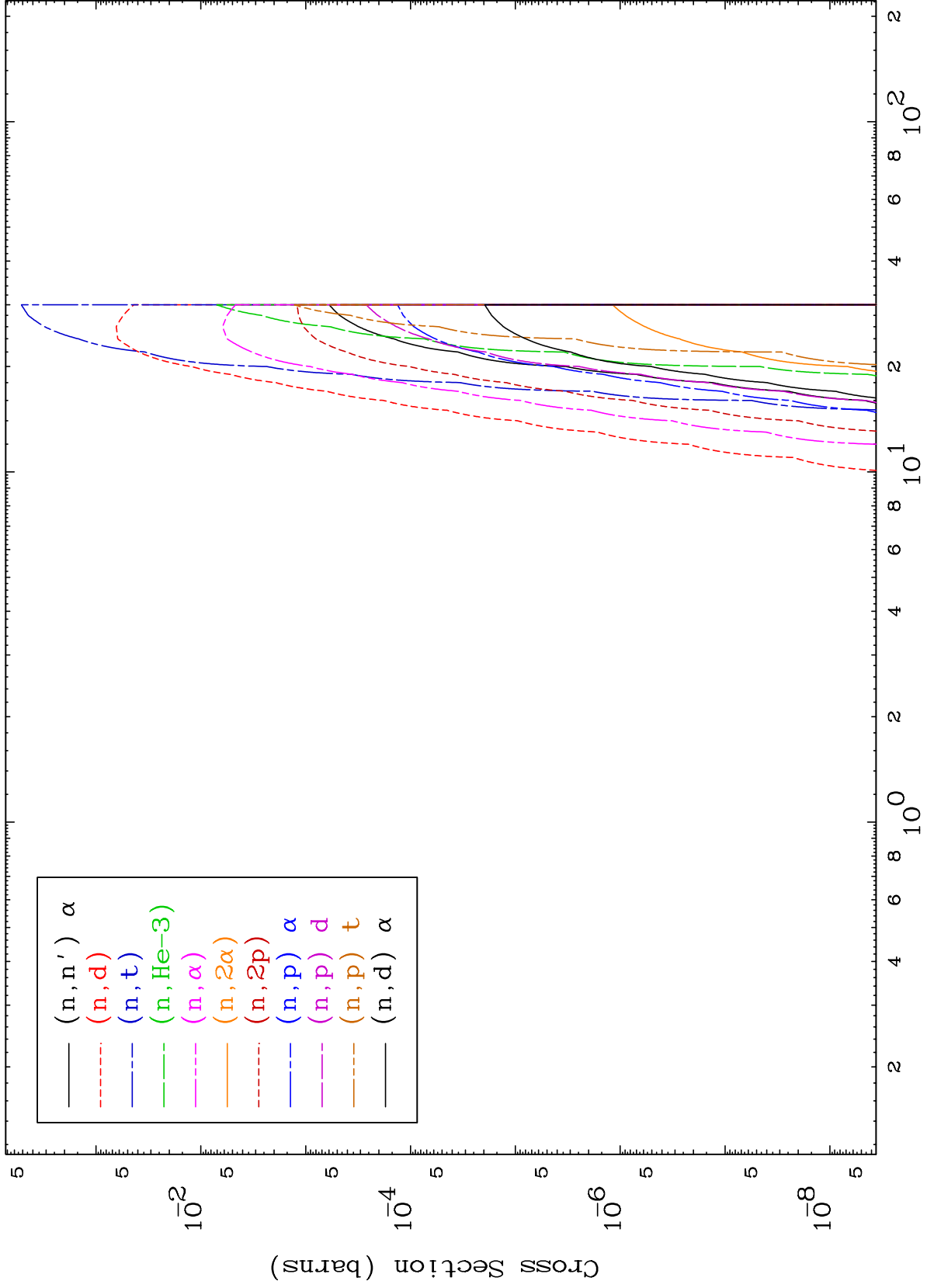
83-Bi-195m



MAT 8284

He-3 Charged Particle
0 Kelvin Cross Sections

83-Bi-195m

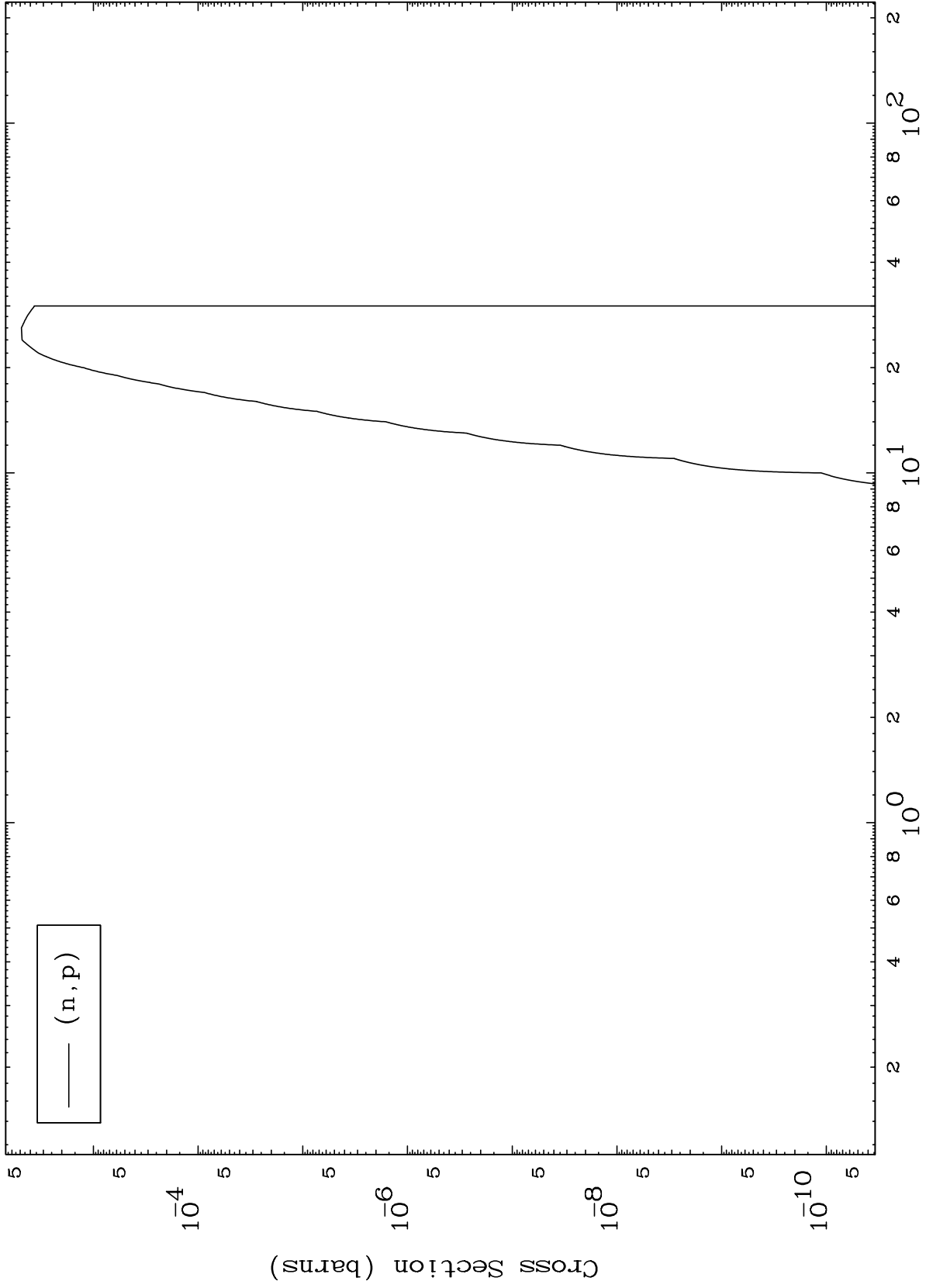


MAT 8284

(He-3,p) Levels

83-Bi-195m

0 Kelvin Cross Sections

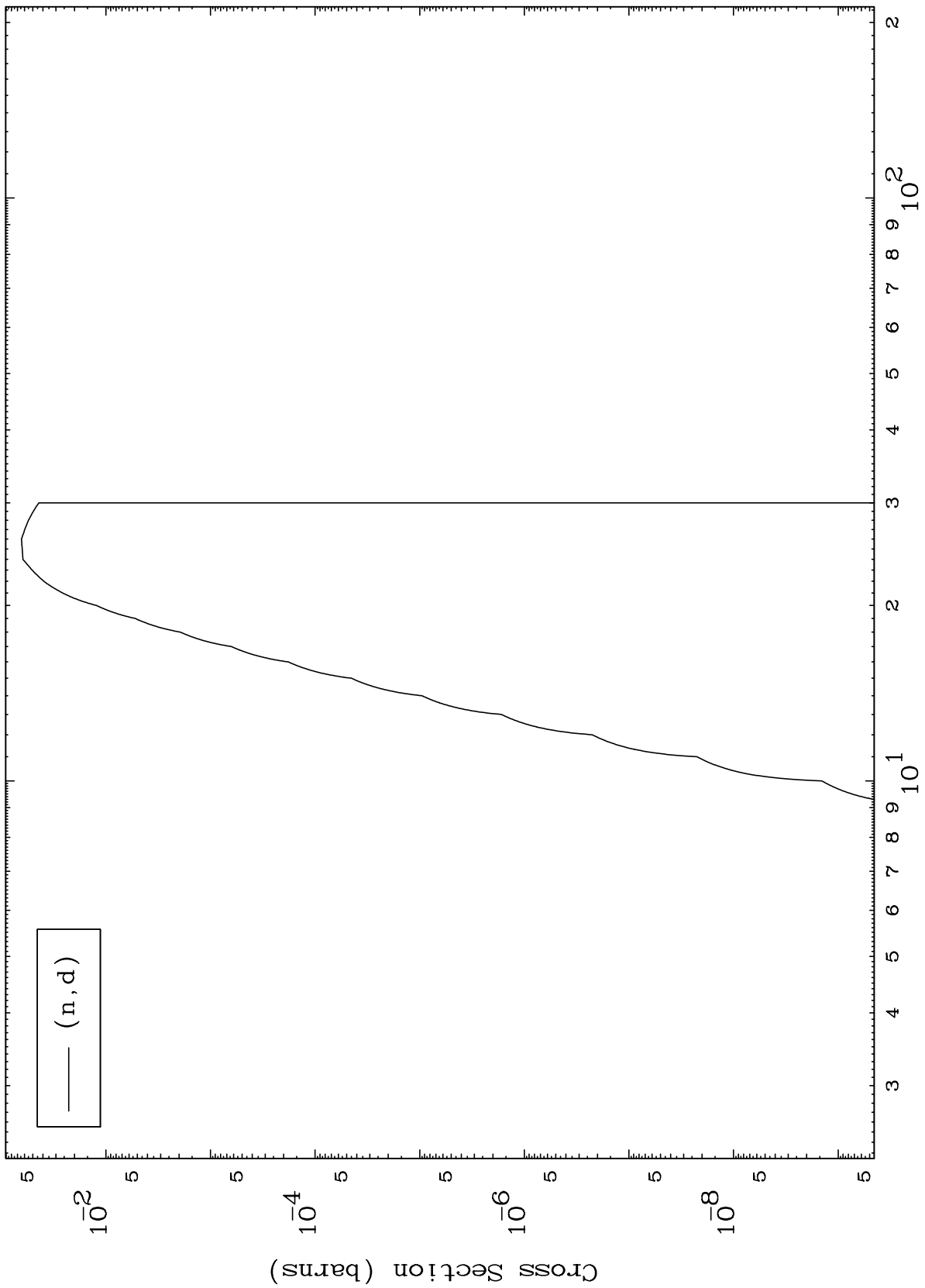


MAT 8284

(He-3,d) Levels

83-Bi-195m

0 Kelvin Cross Sections

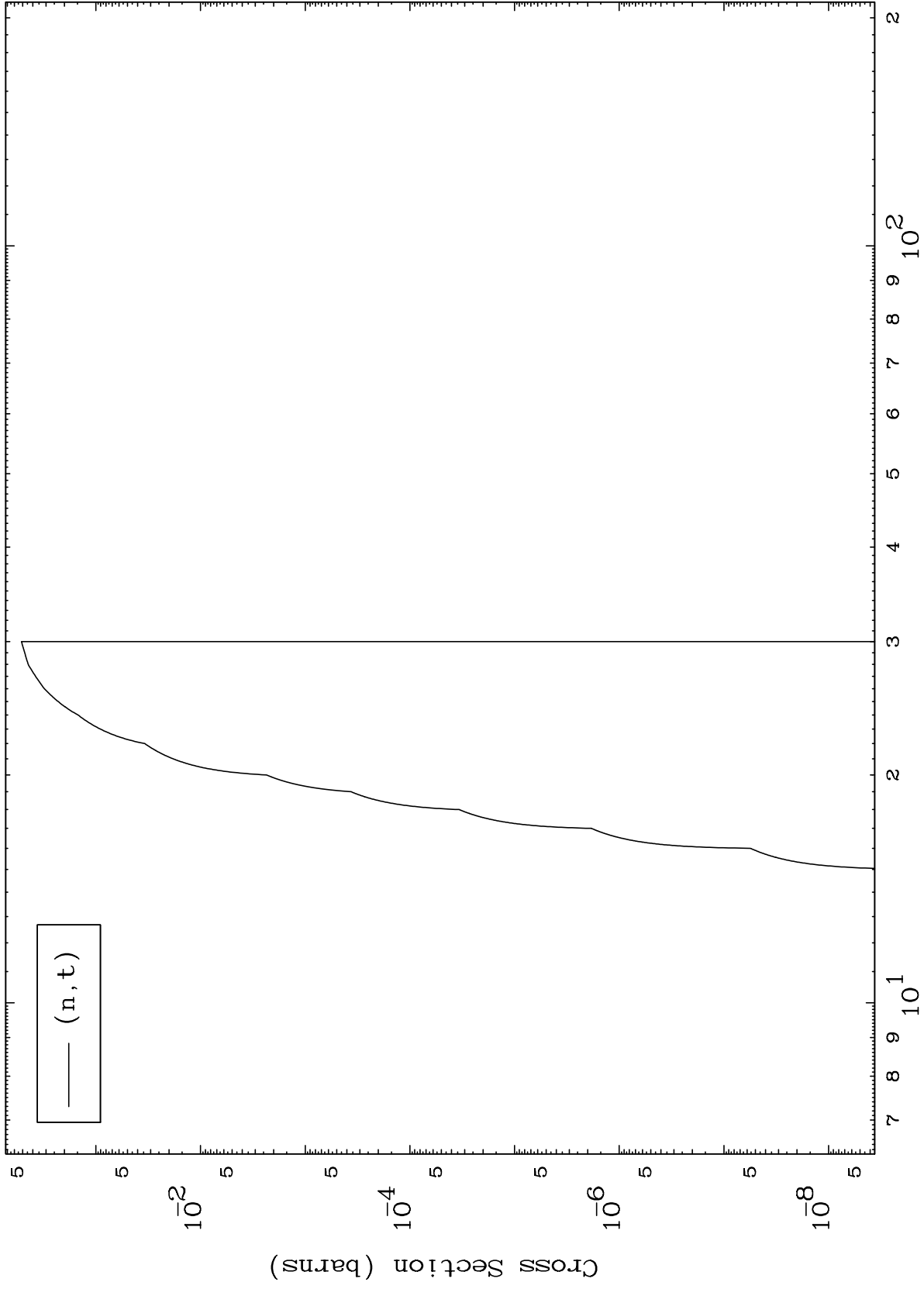


(n,d)

MAT 8284

(He-3,t) Levels
0 Kelvin Cross Sections

83-Bi-195m



9

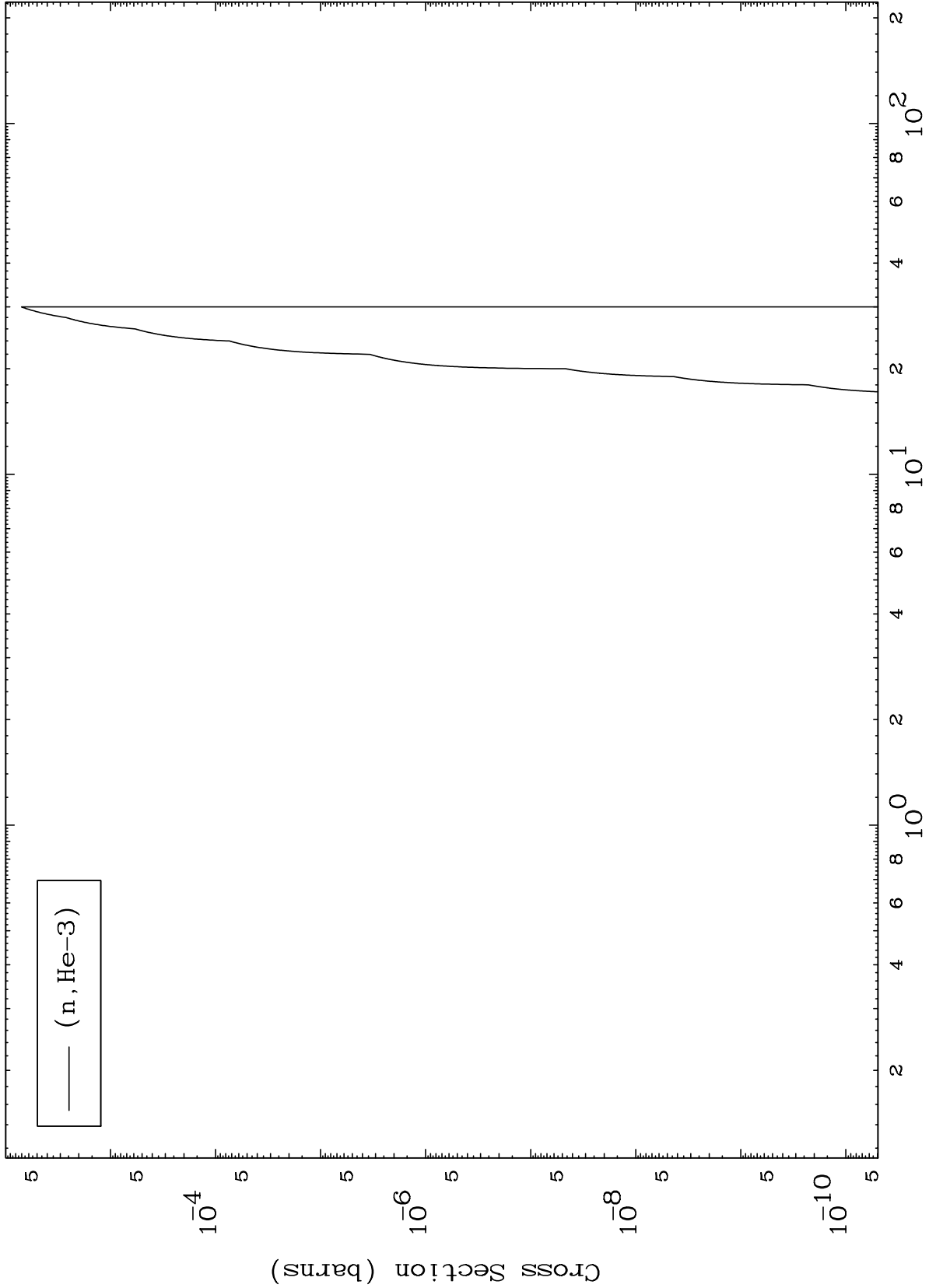
Incident Energy (MeV)

83-Bi-195m

MAT 8284

(He-3, He3) Levels
0 Kelvin Cross Sections

83-Bi-195m



10

Incident Energy (MeV)

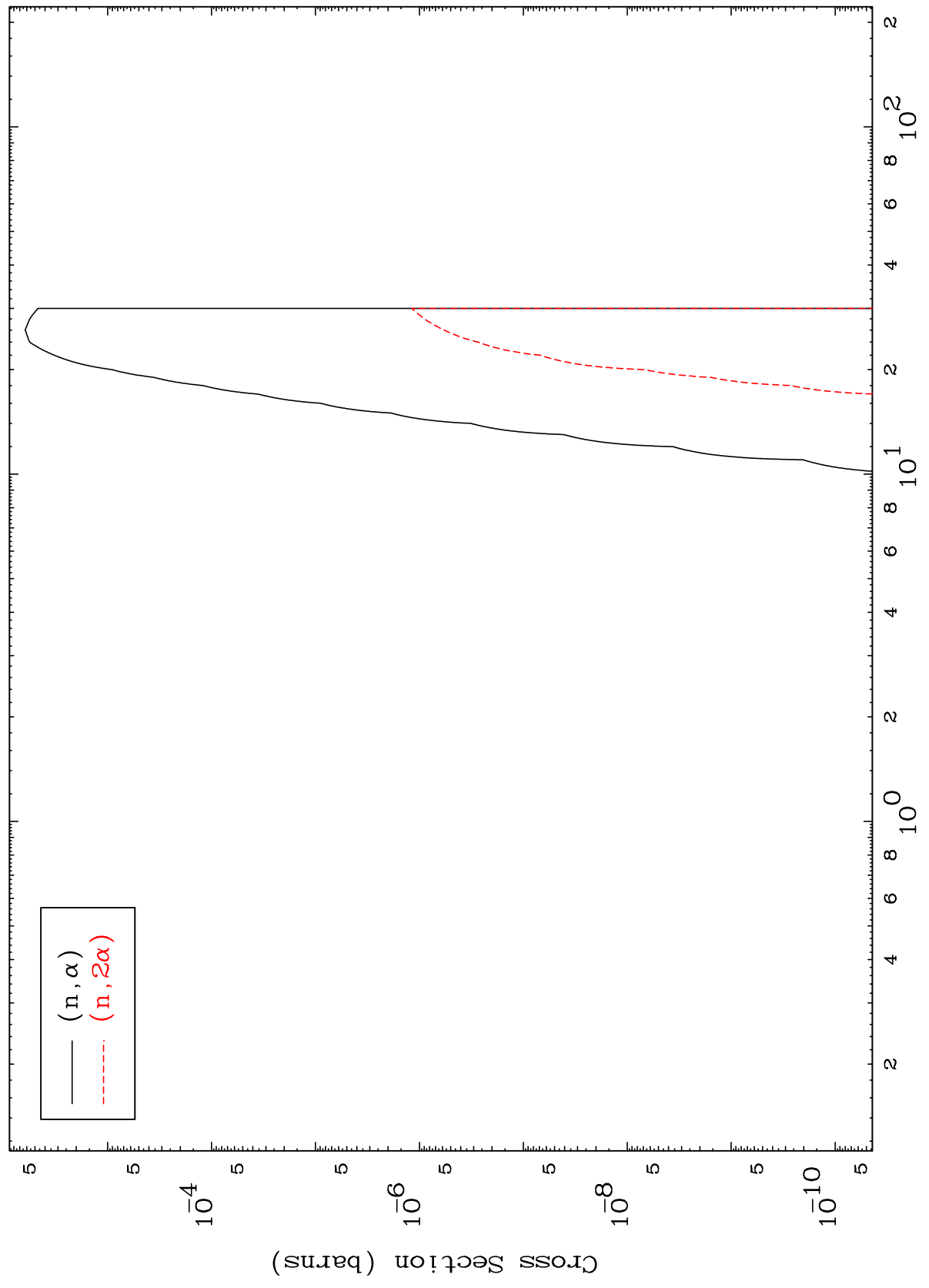
83-Bi-195m

MAT 8284

(He-3, α) Levels

83-Bi-195m

0 Kelvin Cross Sections

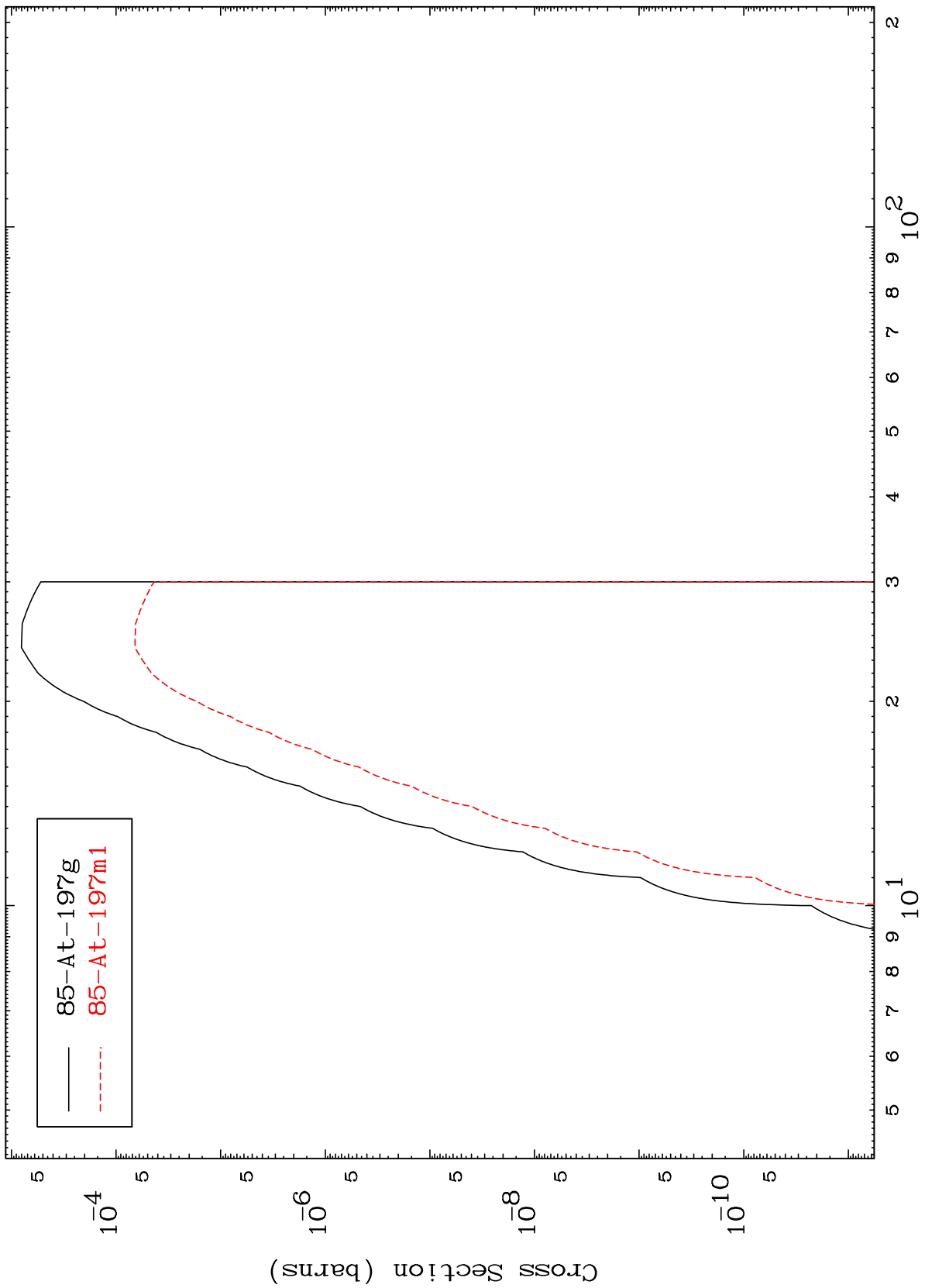


— (n, α)
- - - $(n, 2\alpha)$

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83-Bi-195m

Inelastic
Radionuclide Production Cross Section



83-Bi-195m

Incident Energy (MeV)

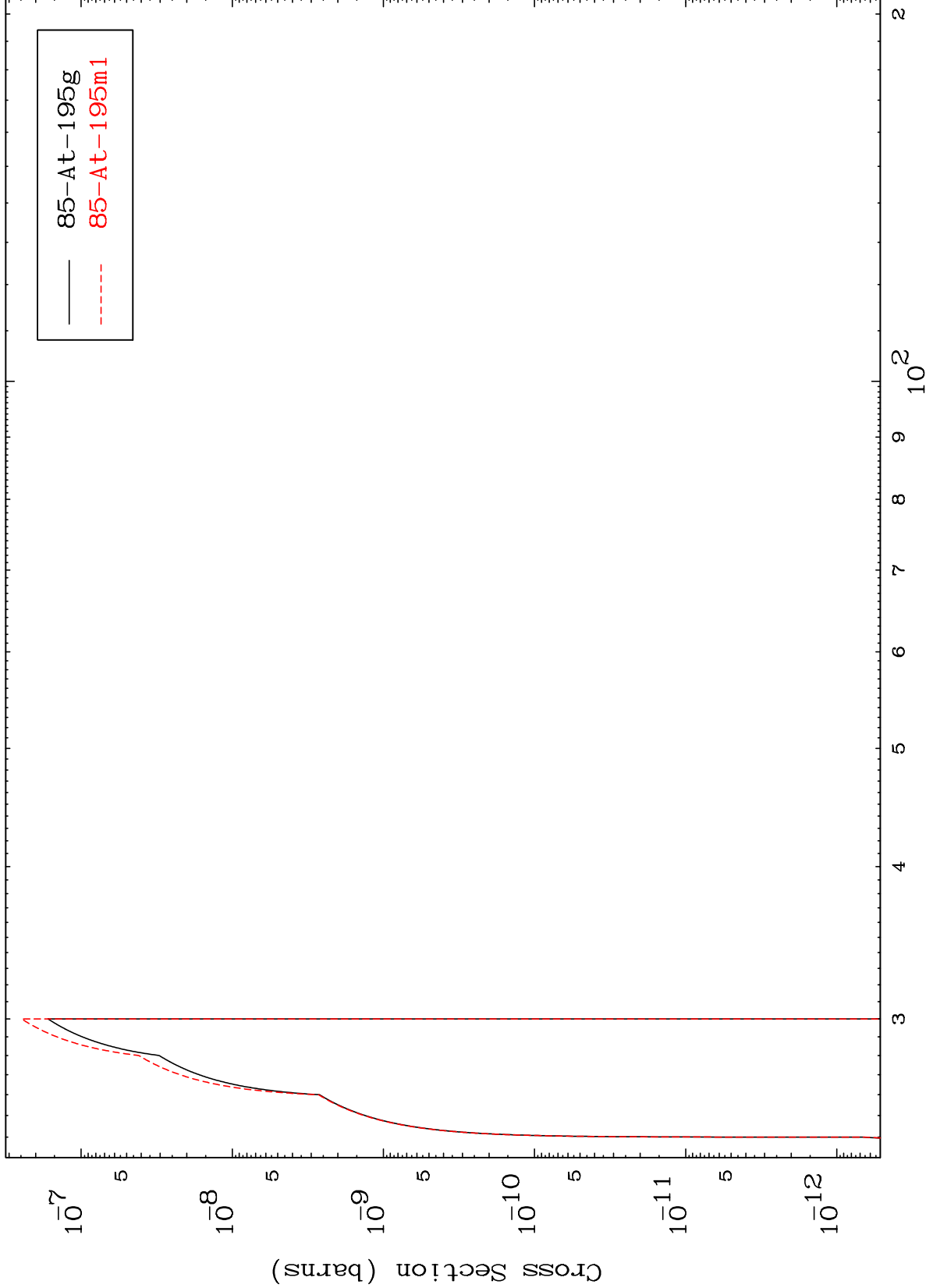
12

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(n,3n)

83-Bi-195m

Radionuclide Production Cross Section

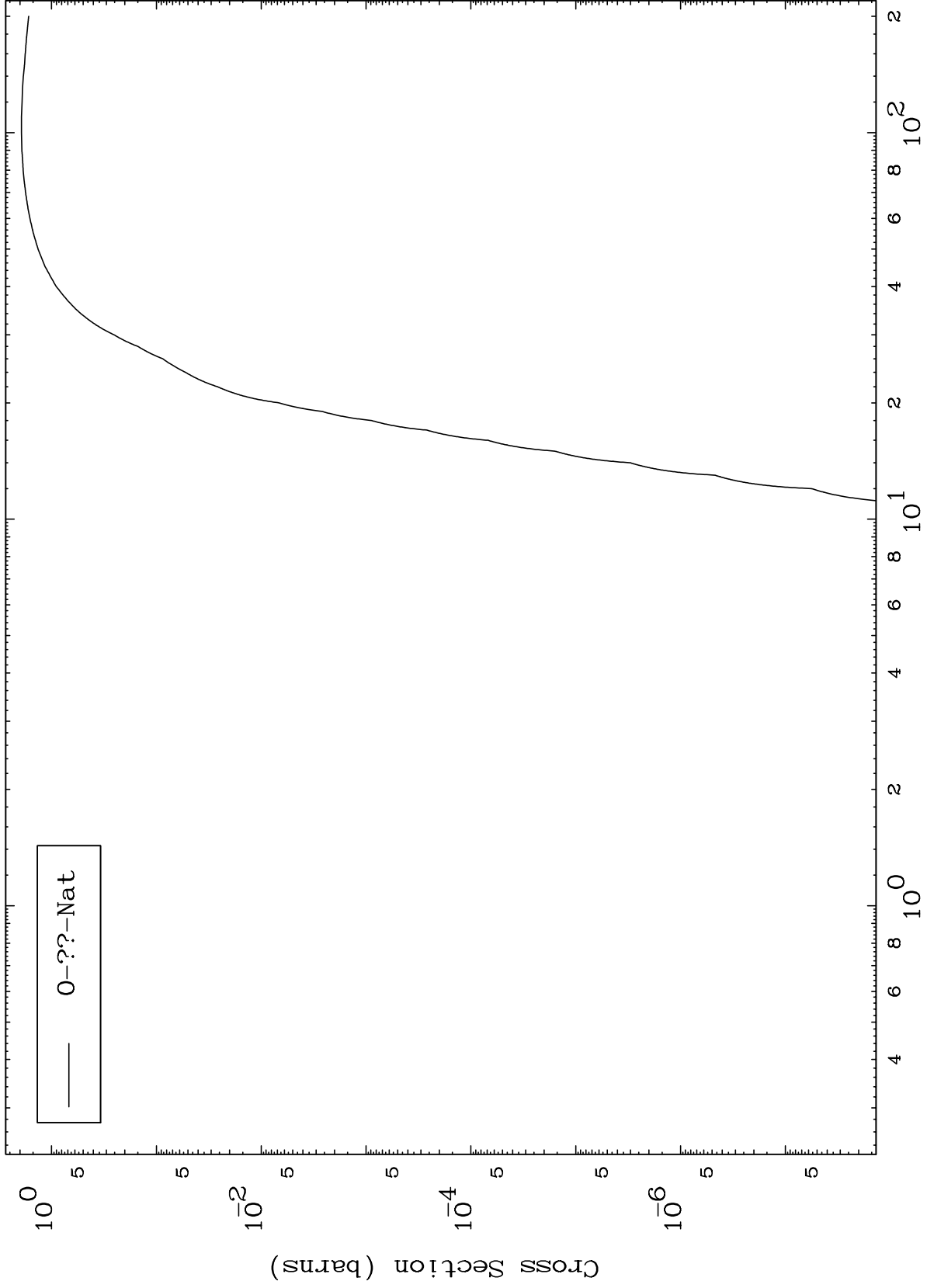


MAT 8284

Fission

⁸³Bi-195m

Radionuclide Production Cross Section

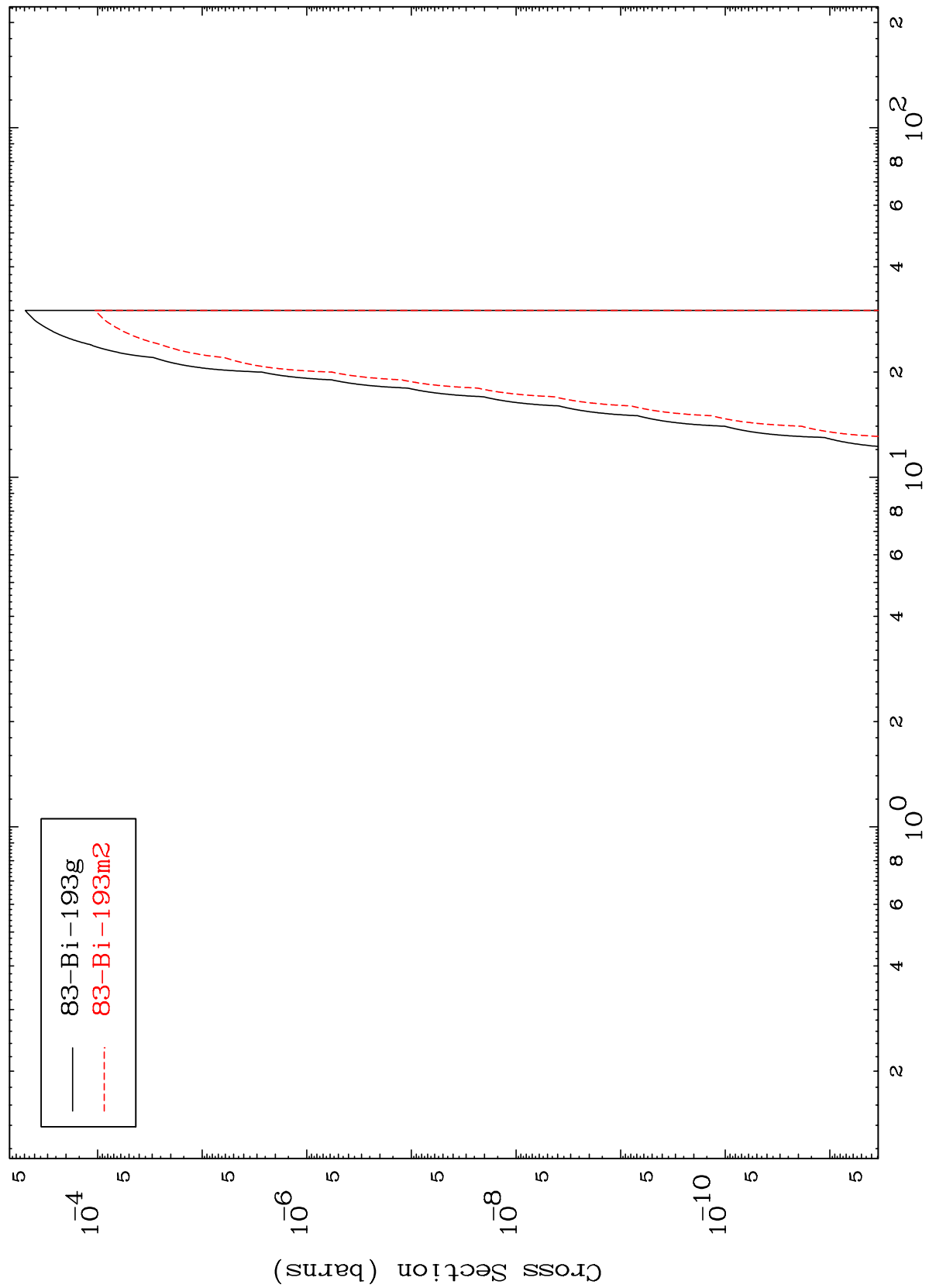


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$(n, n') \alpha$

83-Bi-195m

Radionuclide Production Cross Section

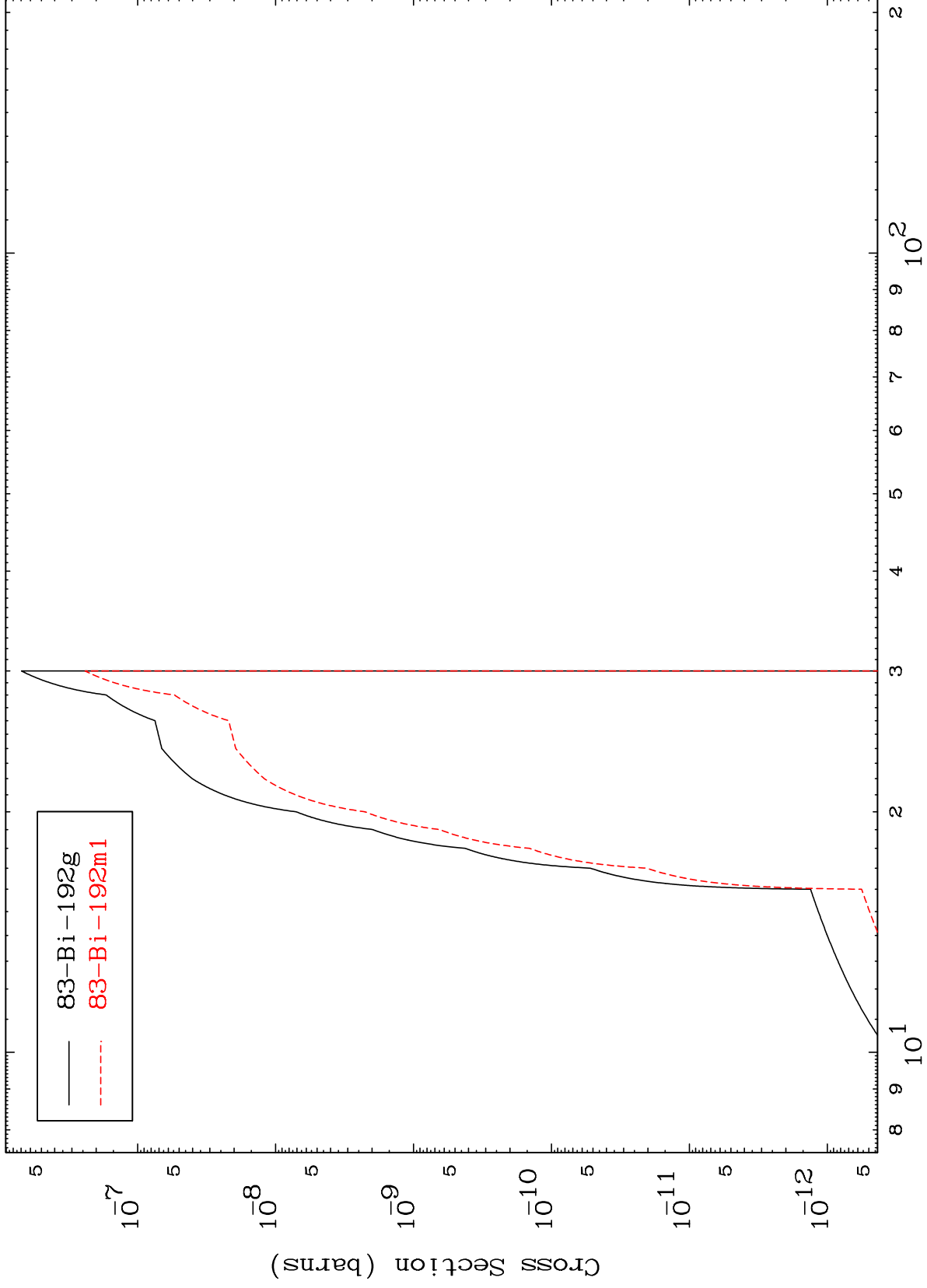


MAT 8284

$(n,2n) \alpha$

$^{83}\text{Bi}-195\text{m}$

Radionuclide Production Cross Section



16

Incident Energy (MeV)

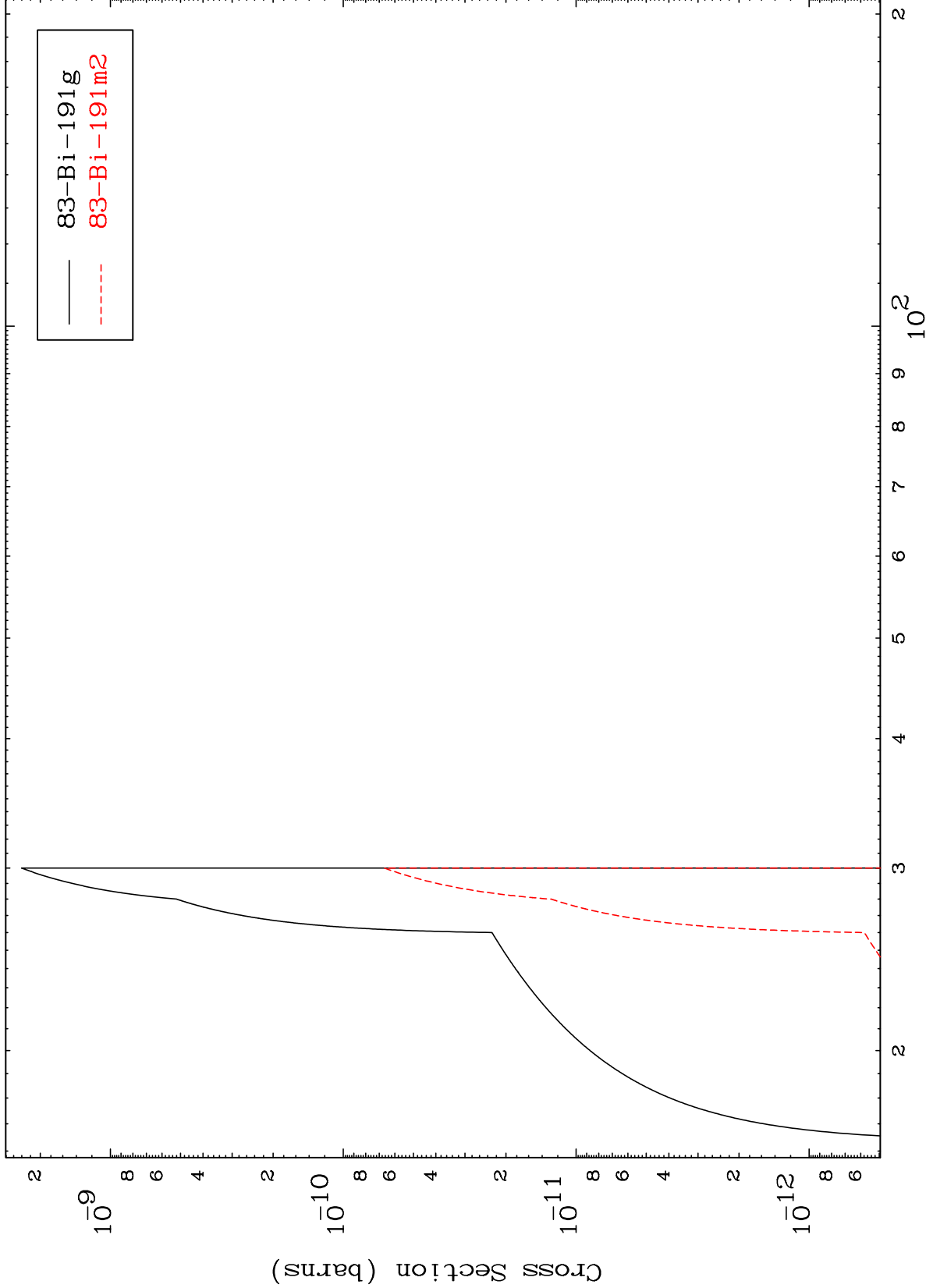
$^{83}\text{Bi}-195\text{m}$

MAT 8284

$(n,3n) \alpha$

$^{83}\text{Bi}-195\text{m}$

Radionuclide Production Cross Section

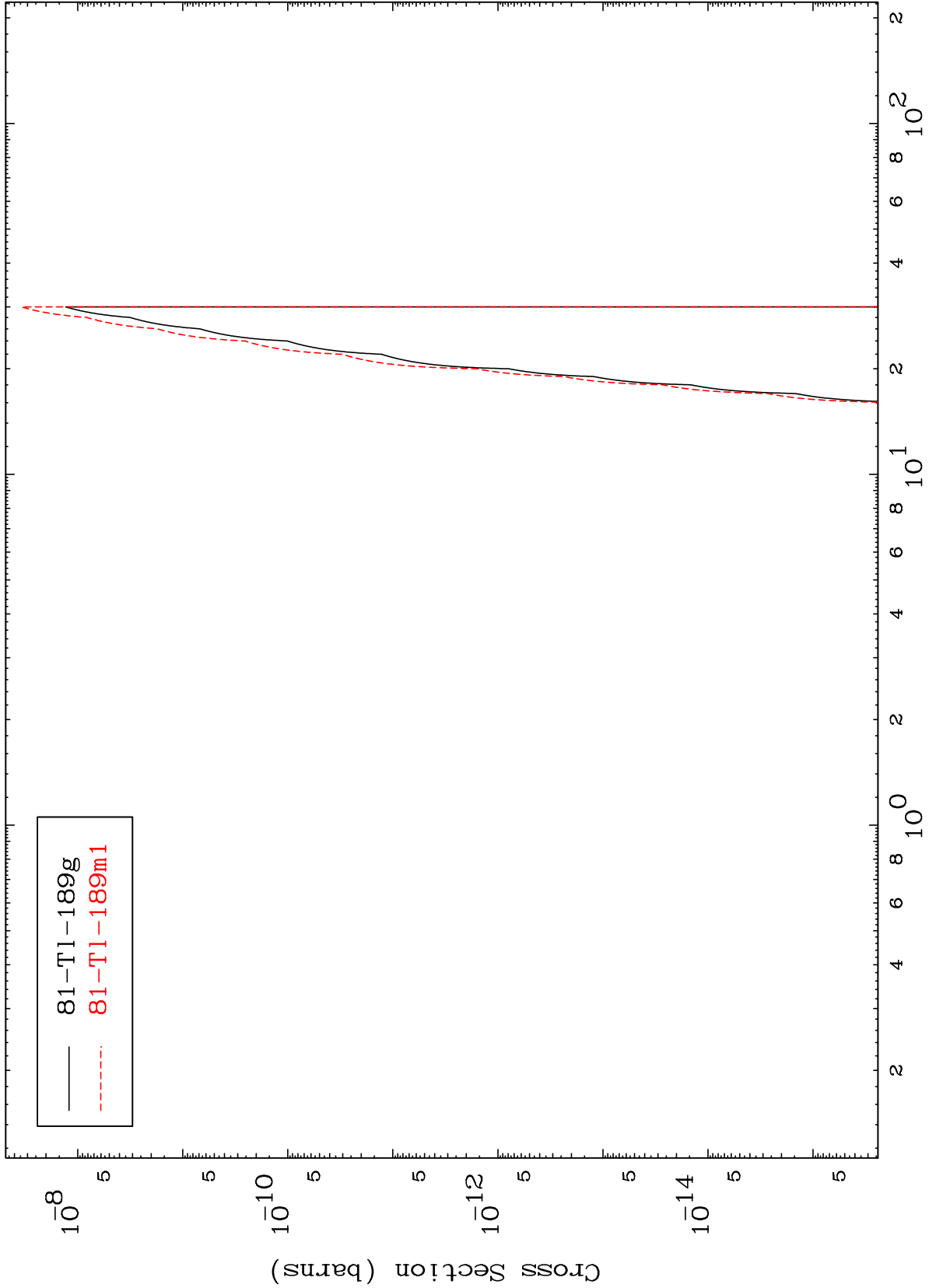


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(n,n') 2 α

83-Bi-195m

Radionuclide Production Cross Section

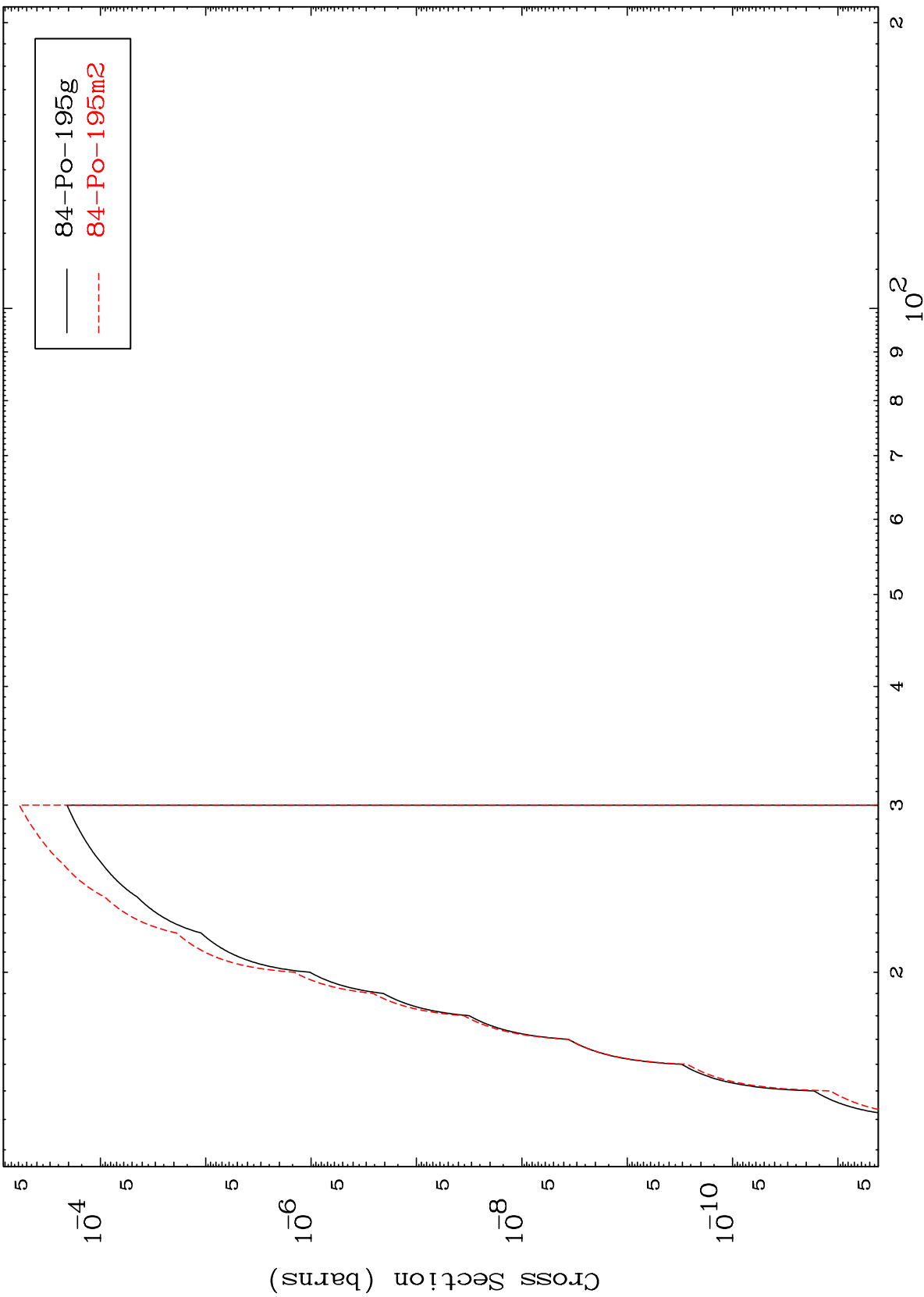


MAT 8284

(n,n') d

83-Bi-195m

Radionuclide Production Cross Section

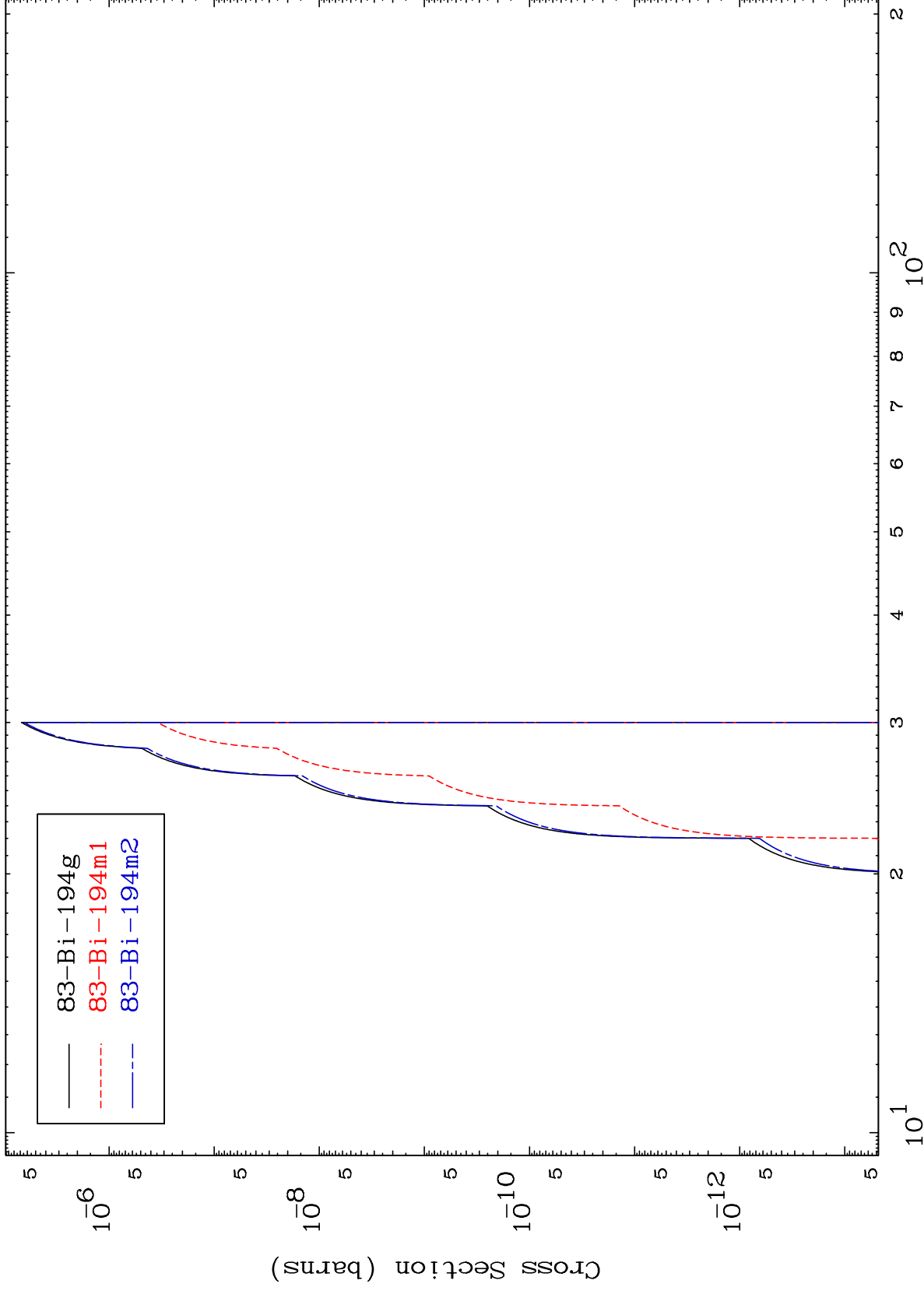


MAT 8284

(n,n') He-3

83-Bi-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

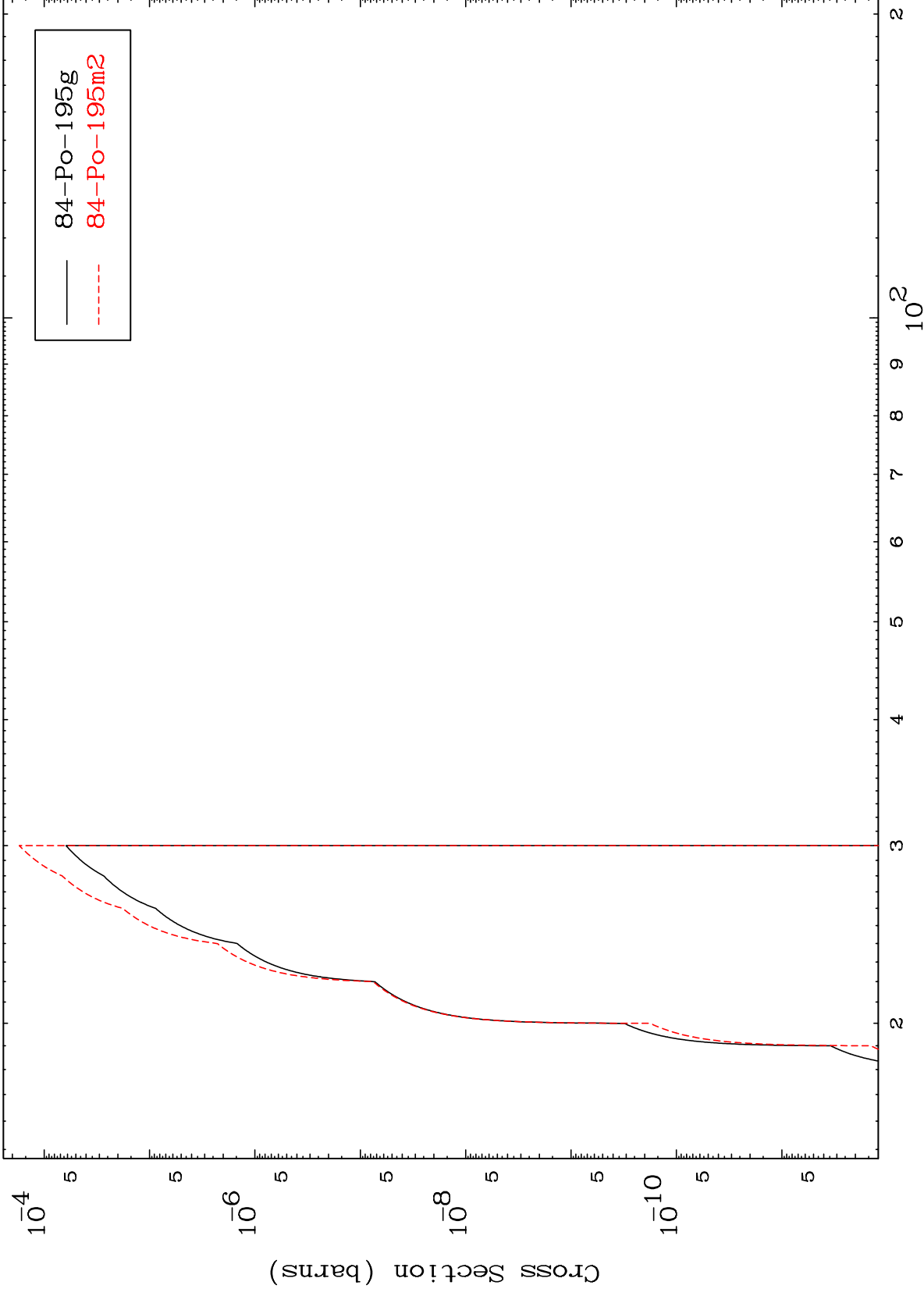
83-Bi-195m

MAT 8284

(n,2n) p

83-Bi-195m

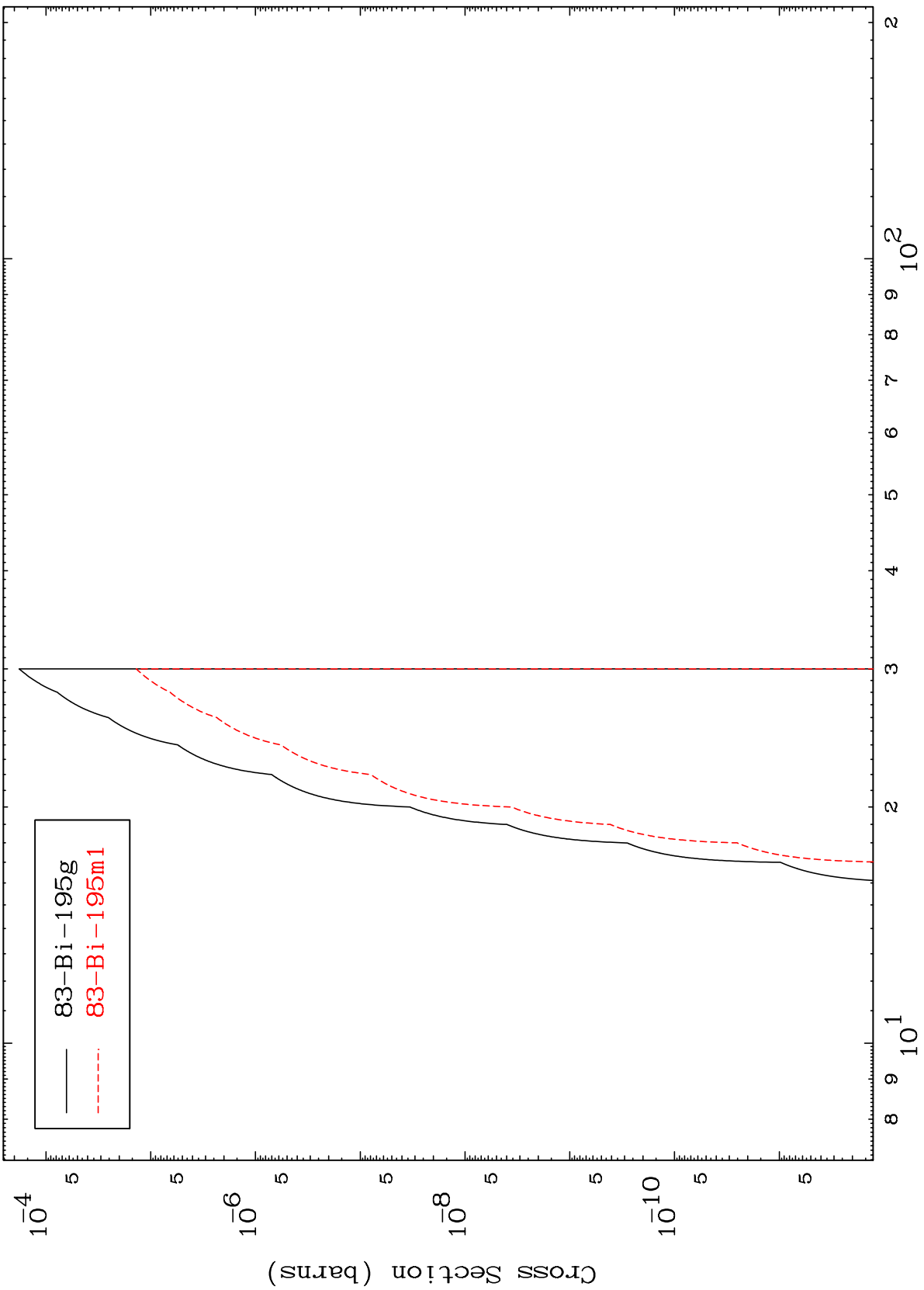
Radionuclide Production Cross Section



MAT 8284

83-Bi-195m

(n,2n) p
Radionuclide Production Cross Section



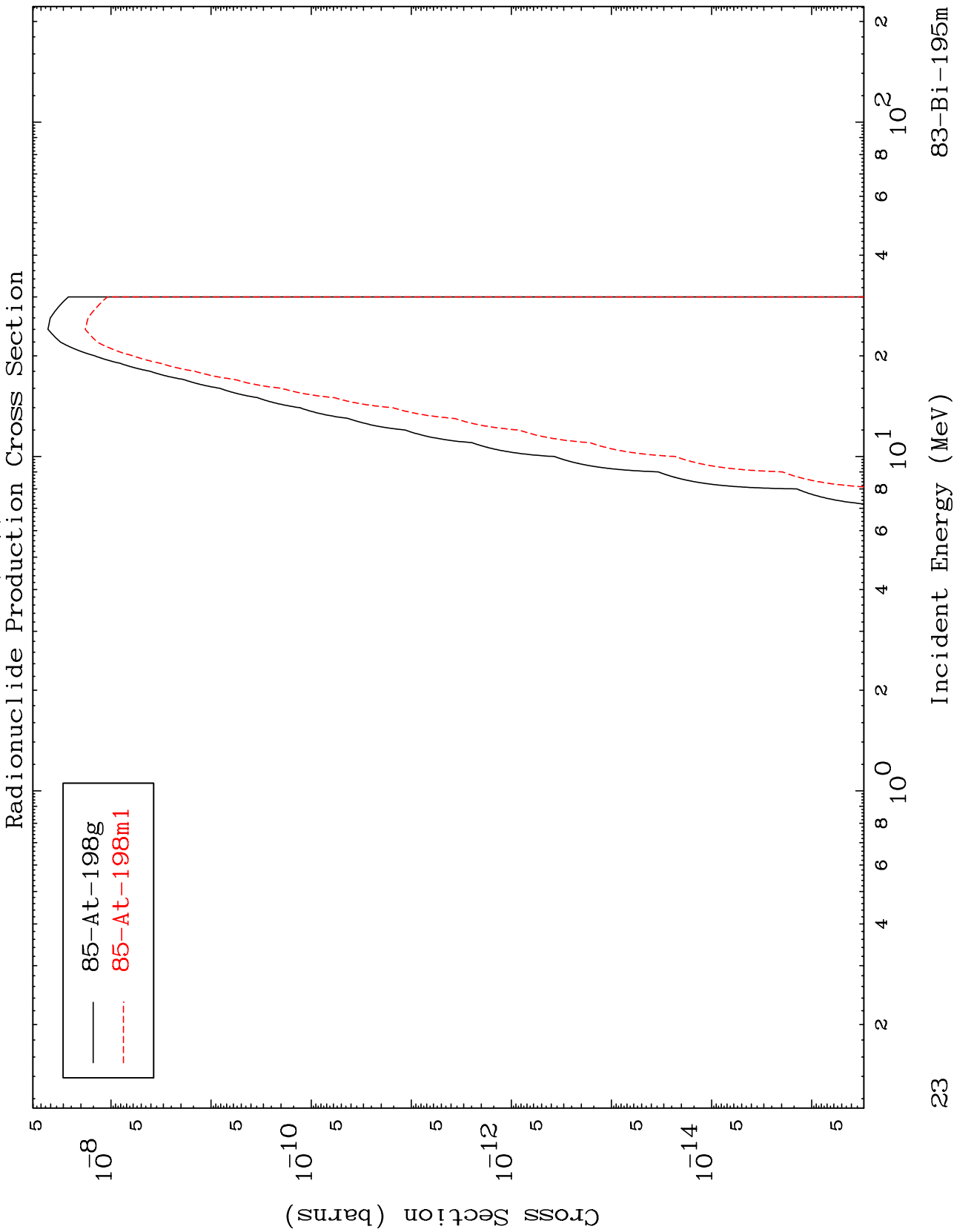
22

Incident Energy (MeV)

83-Bi-195m

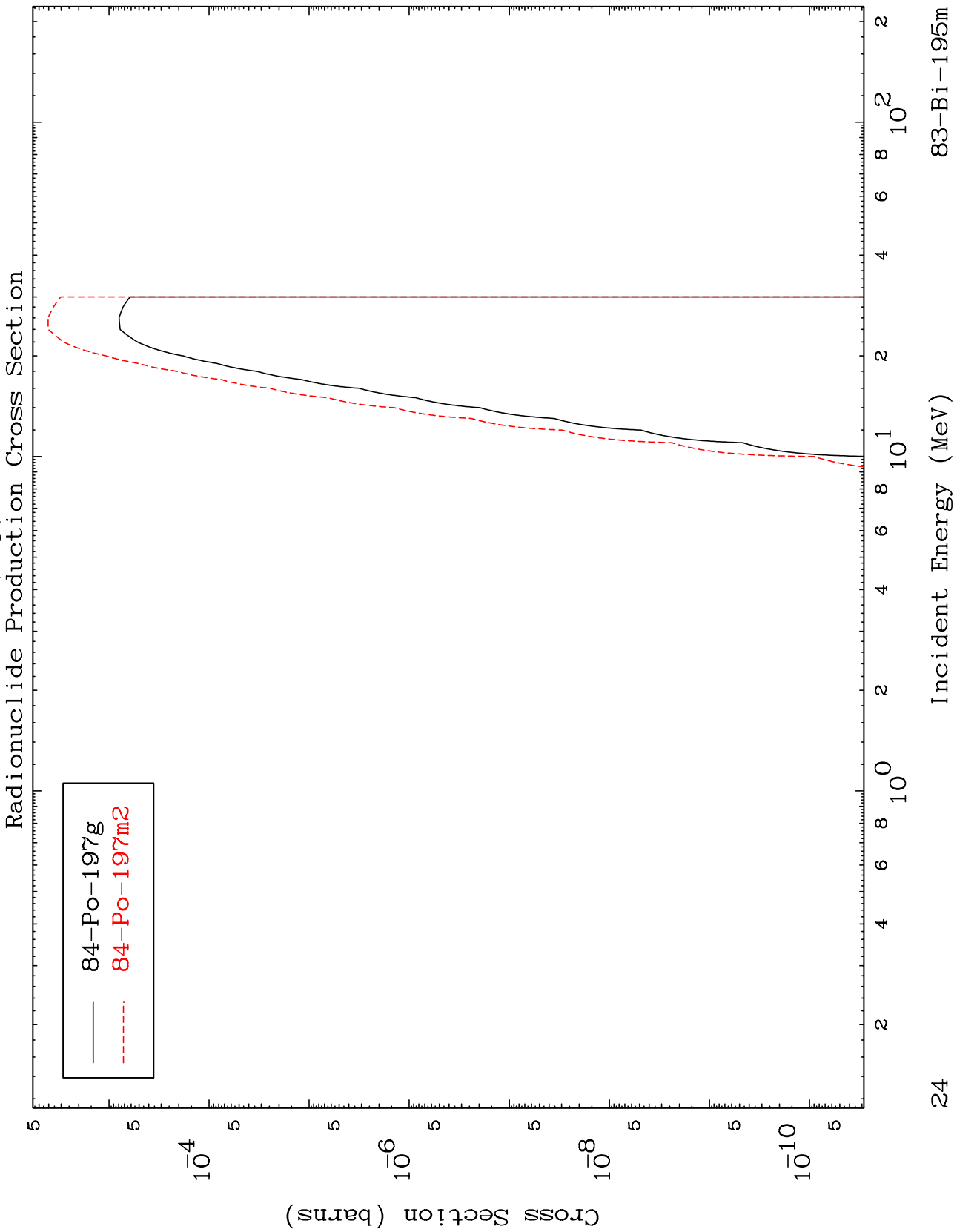
MAT 8284

83-Bi-195m



MAT 8284

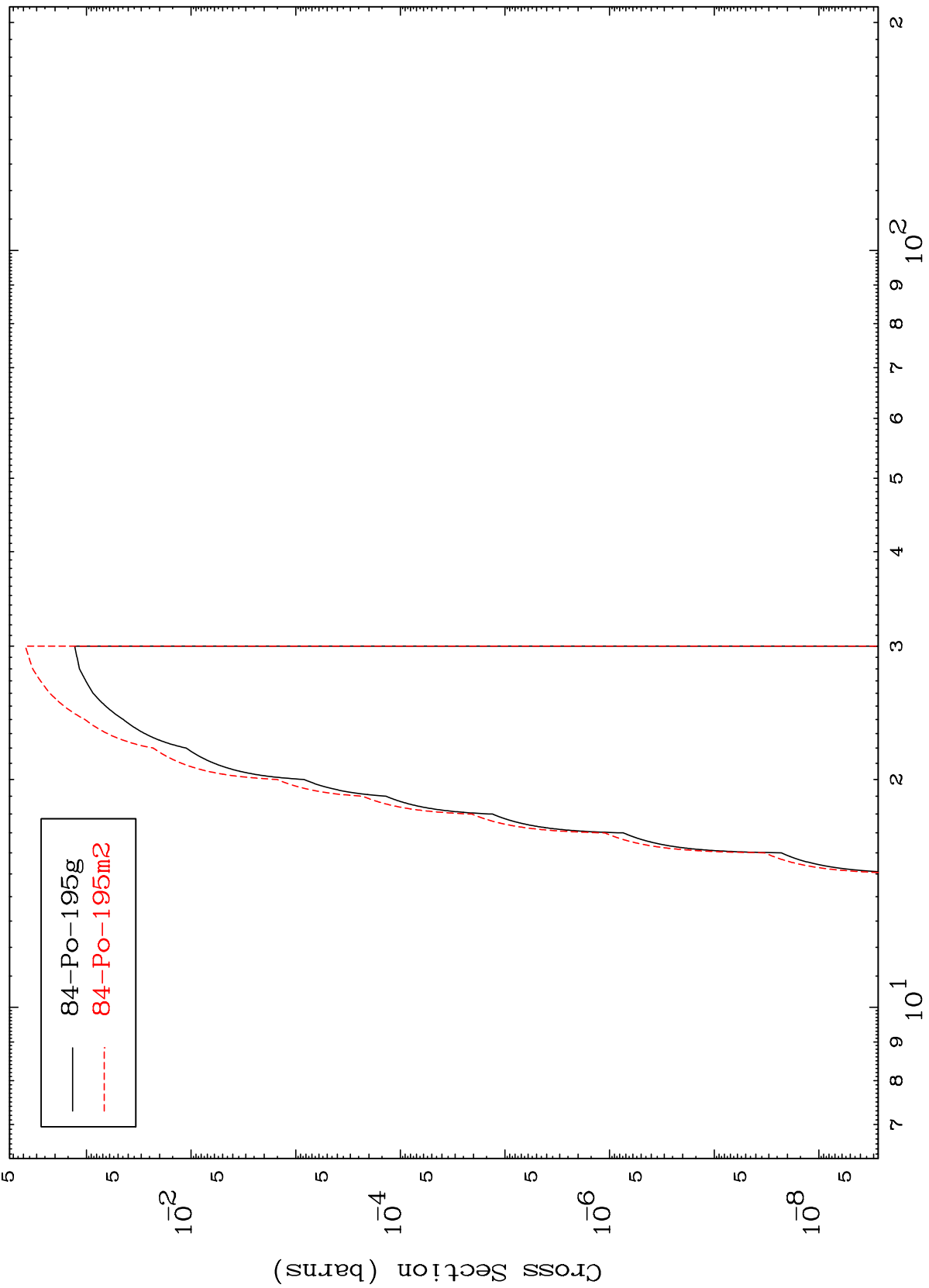
83-Bi-195m



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83-Bi-195m

(n, t)
Radionuclide Production Cross Section



84-Po-195g
84-Po-195m2

25

Incident Energy (MeV)

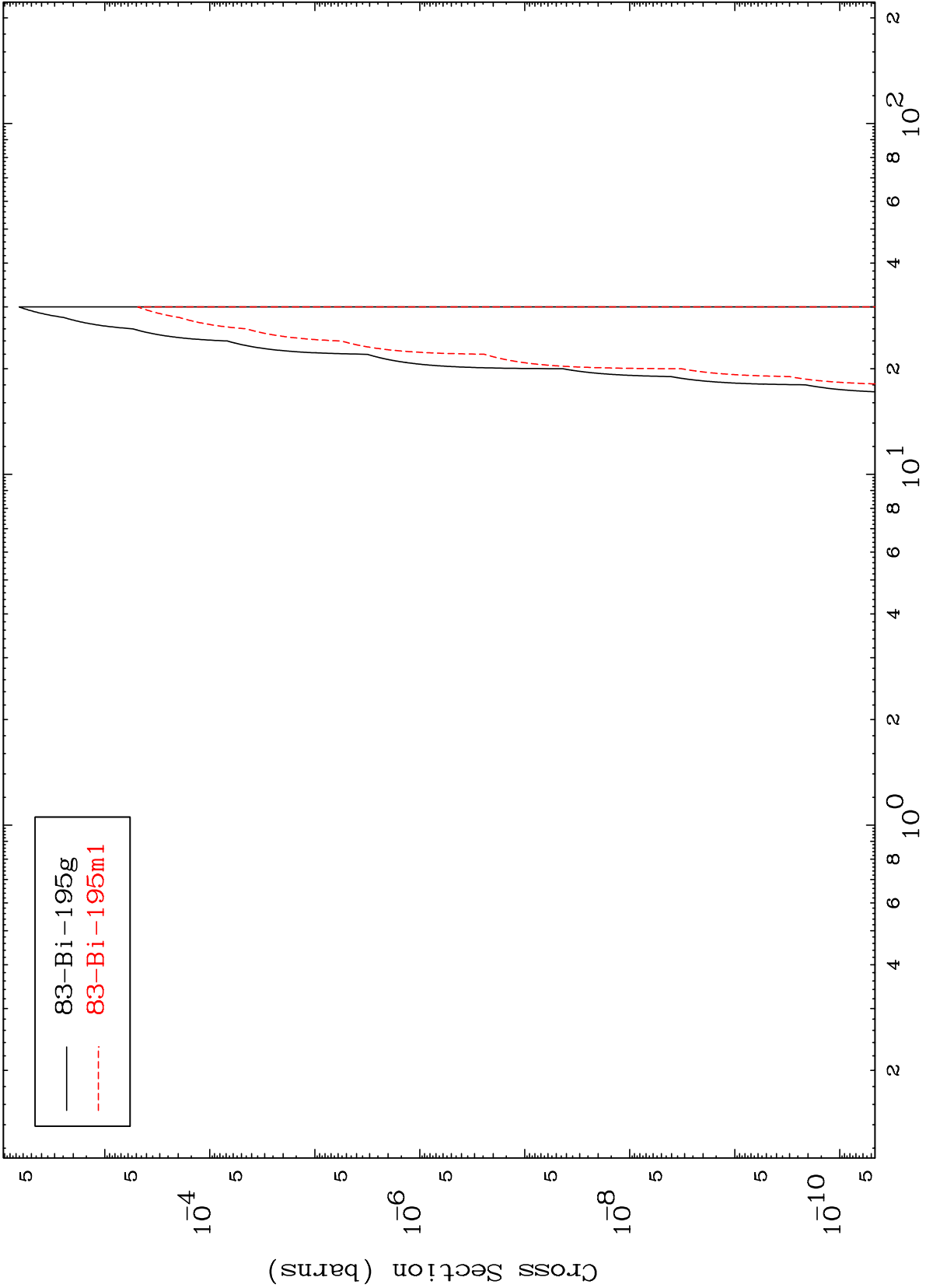
83-Bi-195m

MAT 8284

(n,He-3)

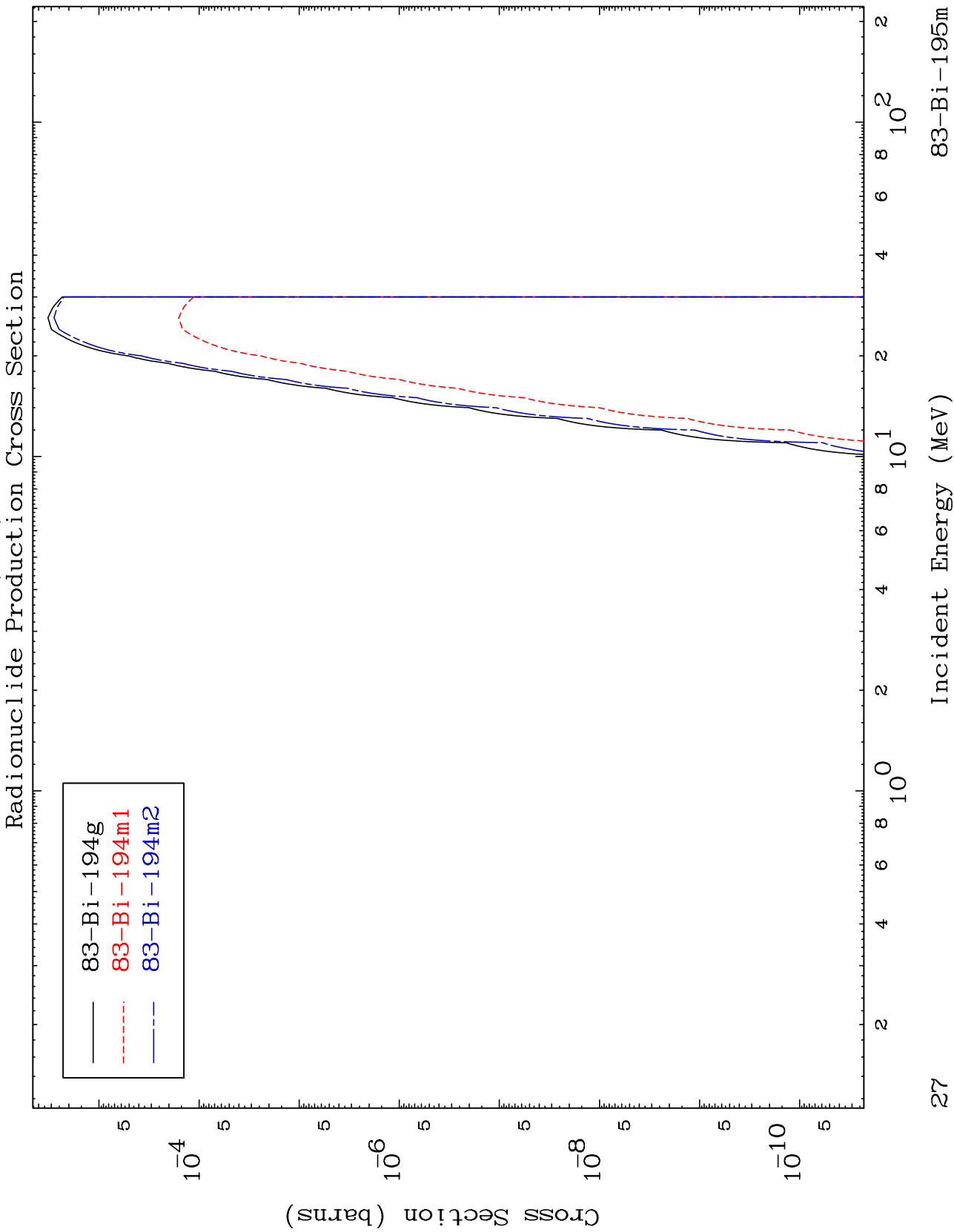
83-Bi-195m

Radionuclide Production Cross Section



MAT 8284

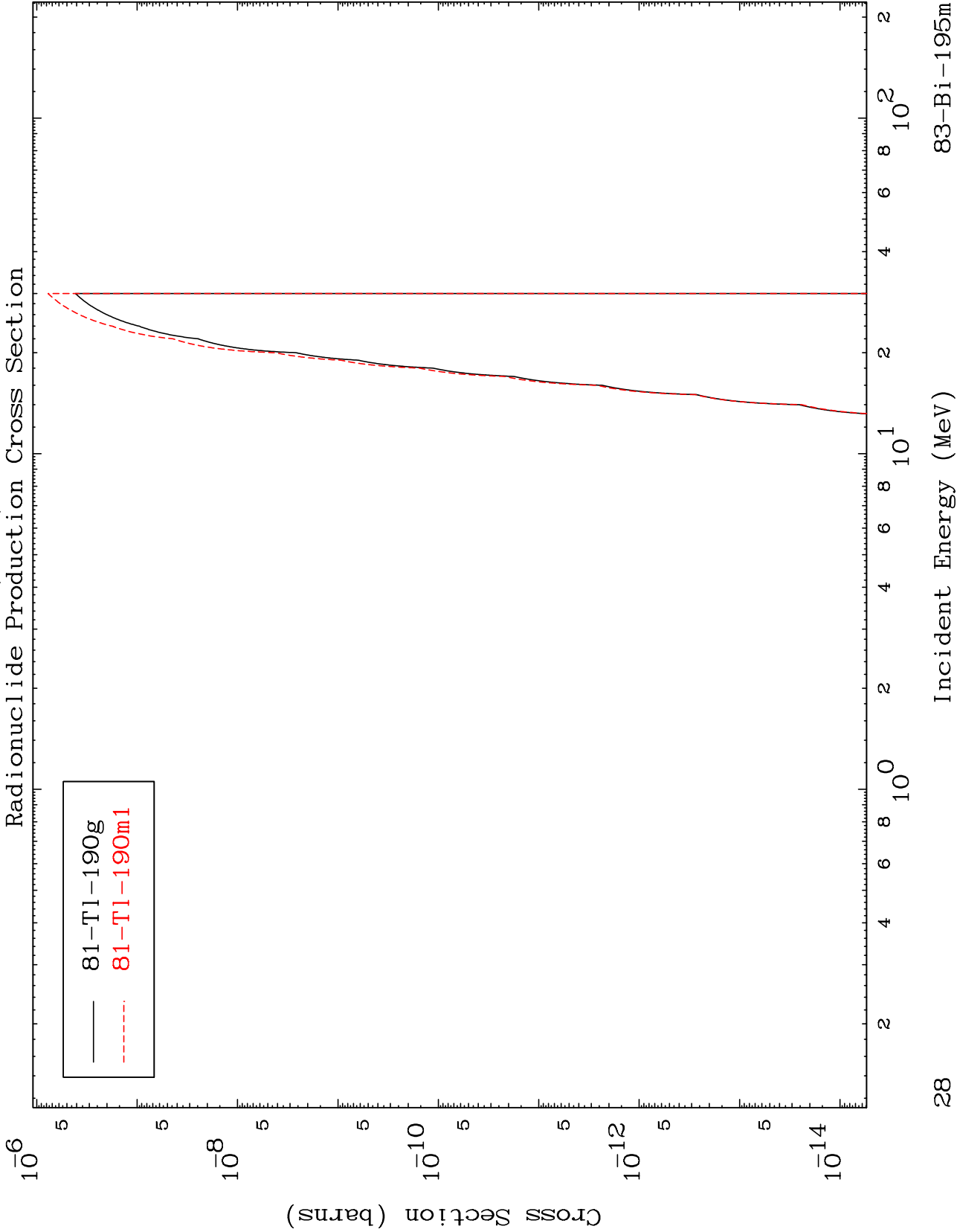
⁸³Bi-195m



MAT 8284

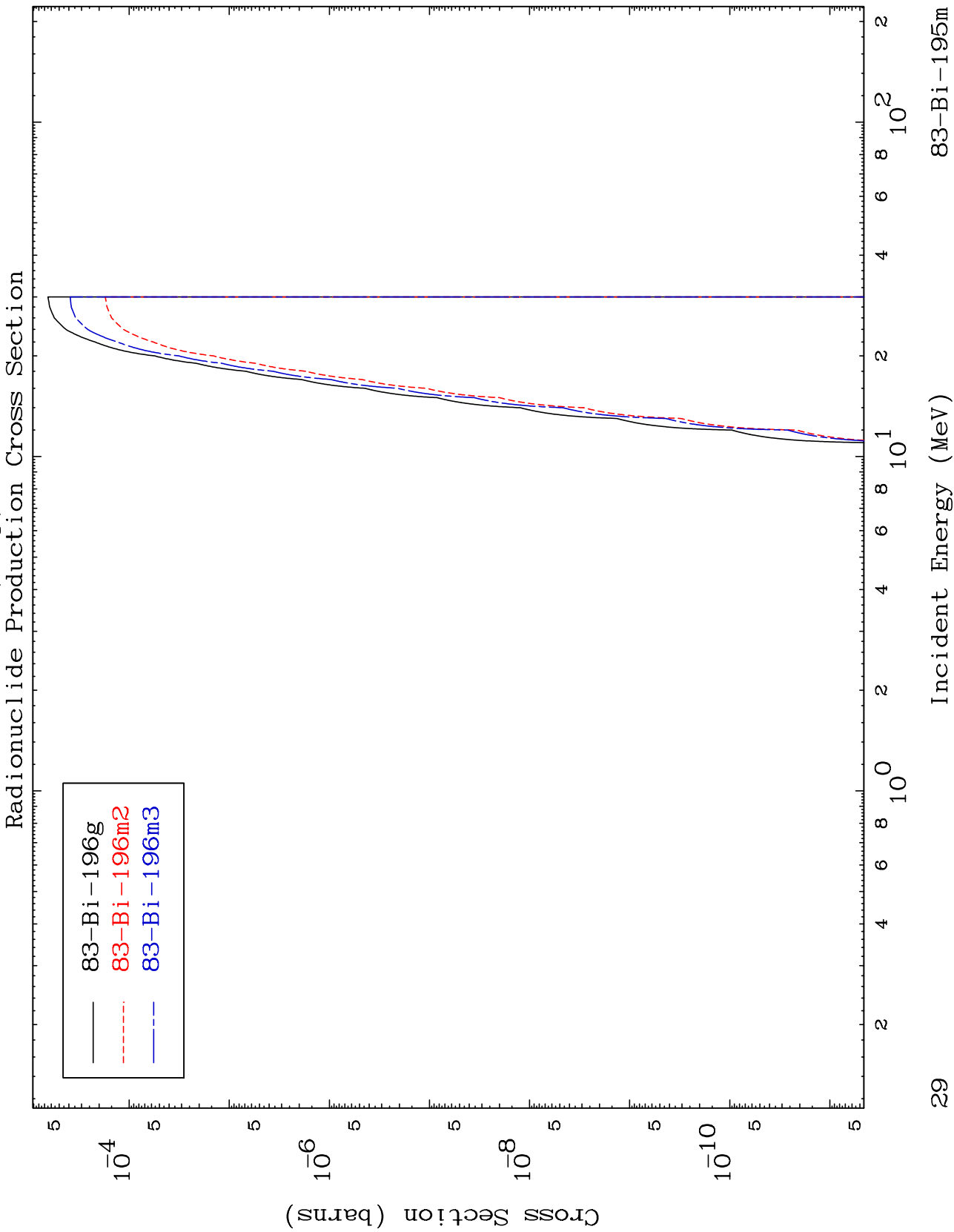
(n,2α)

83-Bi-195m



MAT 8284

$^{83}\text{Bi}-195\text{m}$



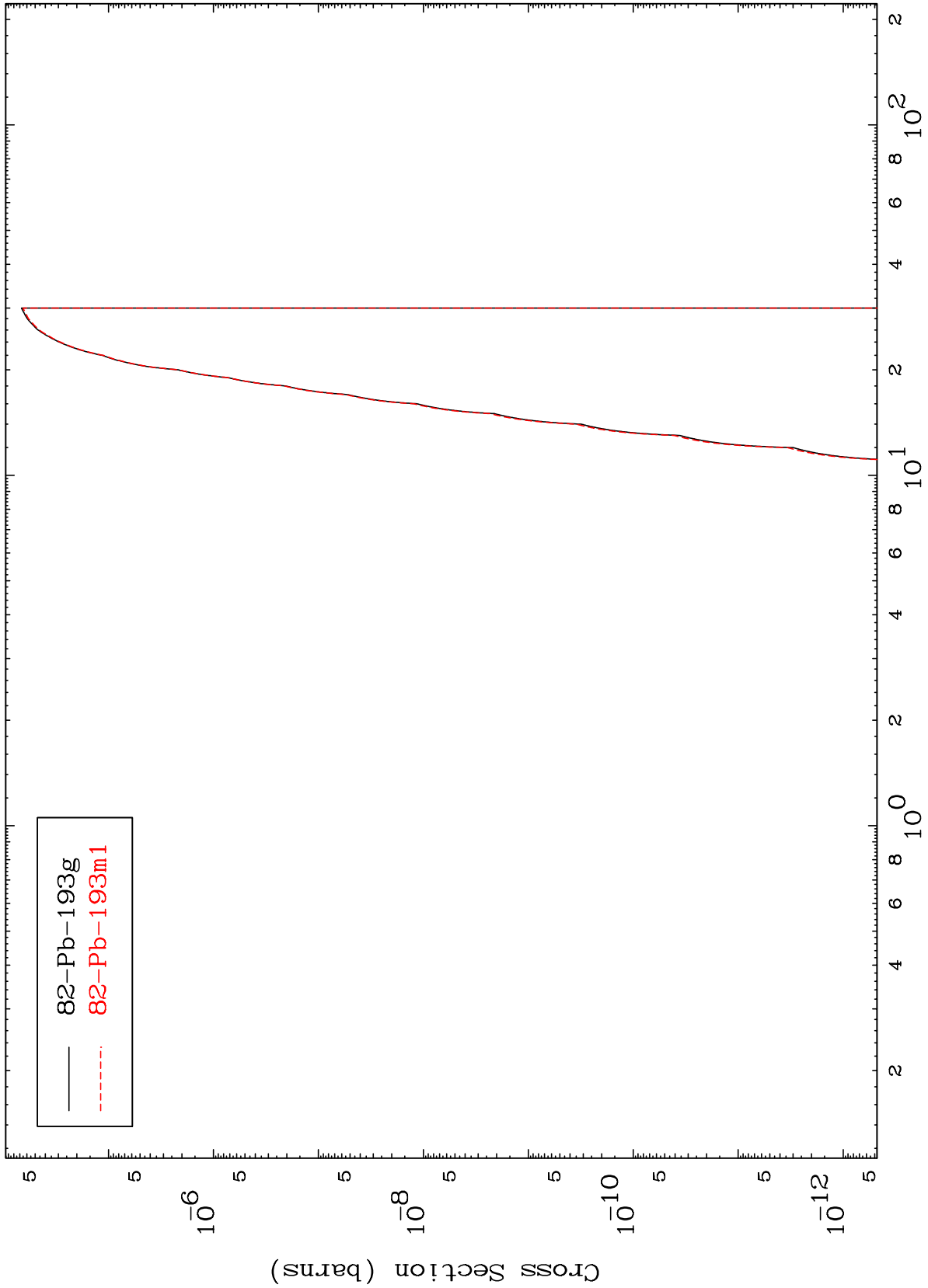
—	$^{83}\text{Bi}-196\text{g}$
- - -	$^{83}\text{Bi}-196\text{m}2$
- - -	$^{83}\text{Bi}-196\text{m}3$

MAT 8284

(n,p) α

83-Bi-195m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

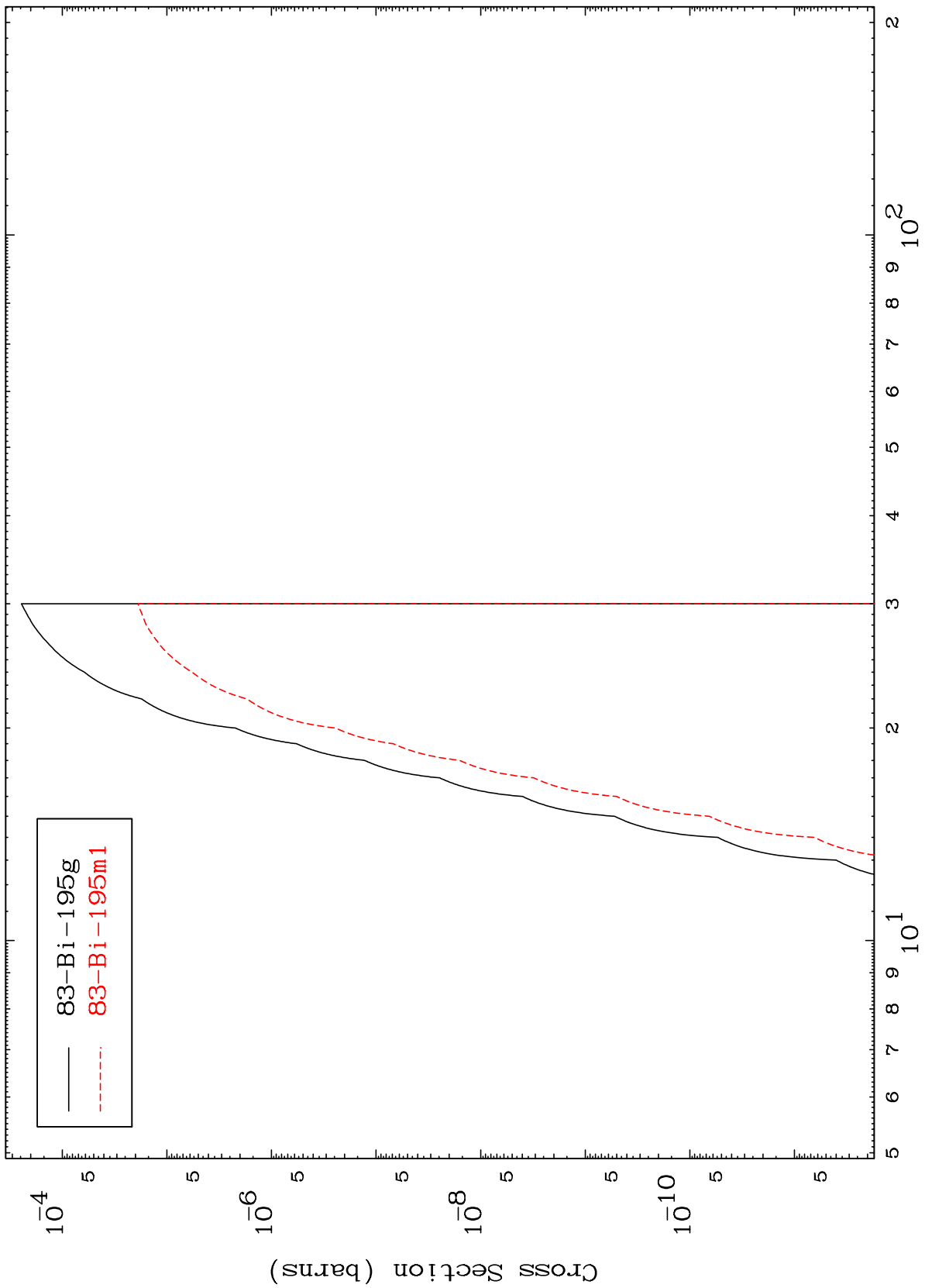
83-Bi-195m

MAT 8284

(n,p) d

83-Bi-195m

Radionuclide Production Cross Section



31

Incident Energy (MeV)

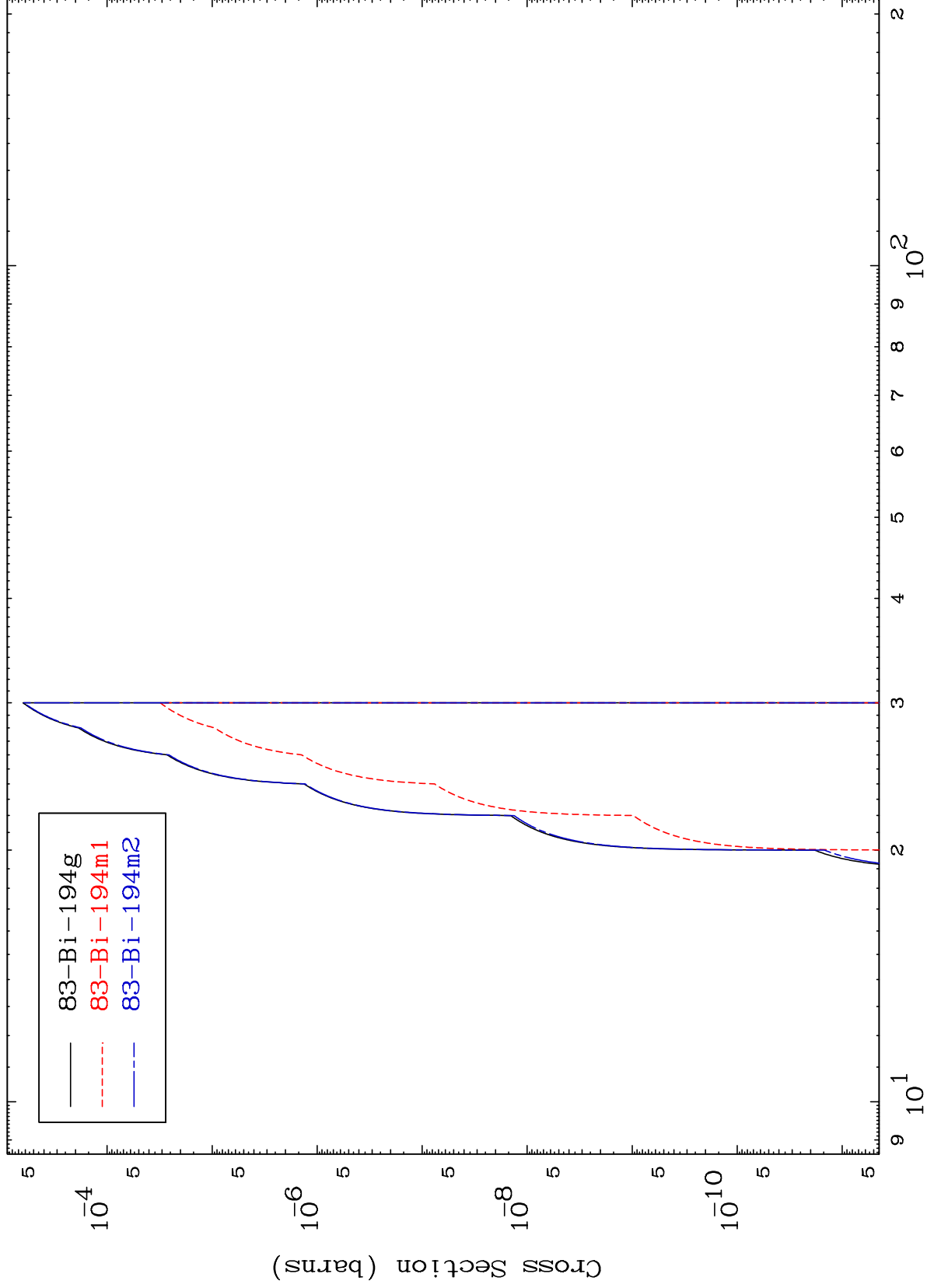
83-Bi-195m

MAT 8284

(n,p) t

⁸³Bi-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

⁸³Bi-195m

32