

Program EVALPLOT
(Version 2021-1)

by

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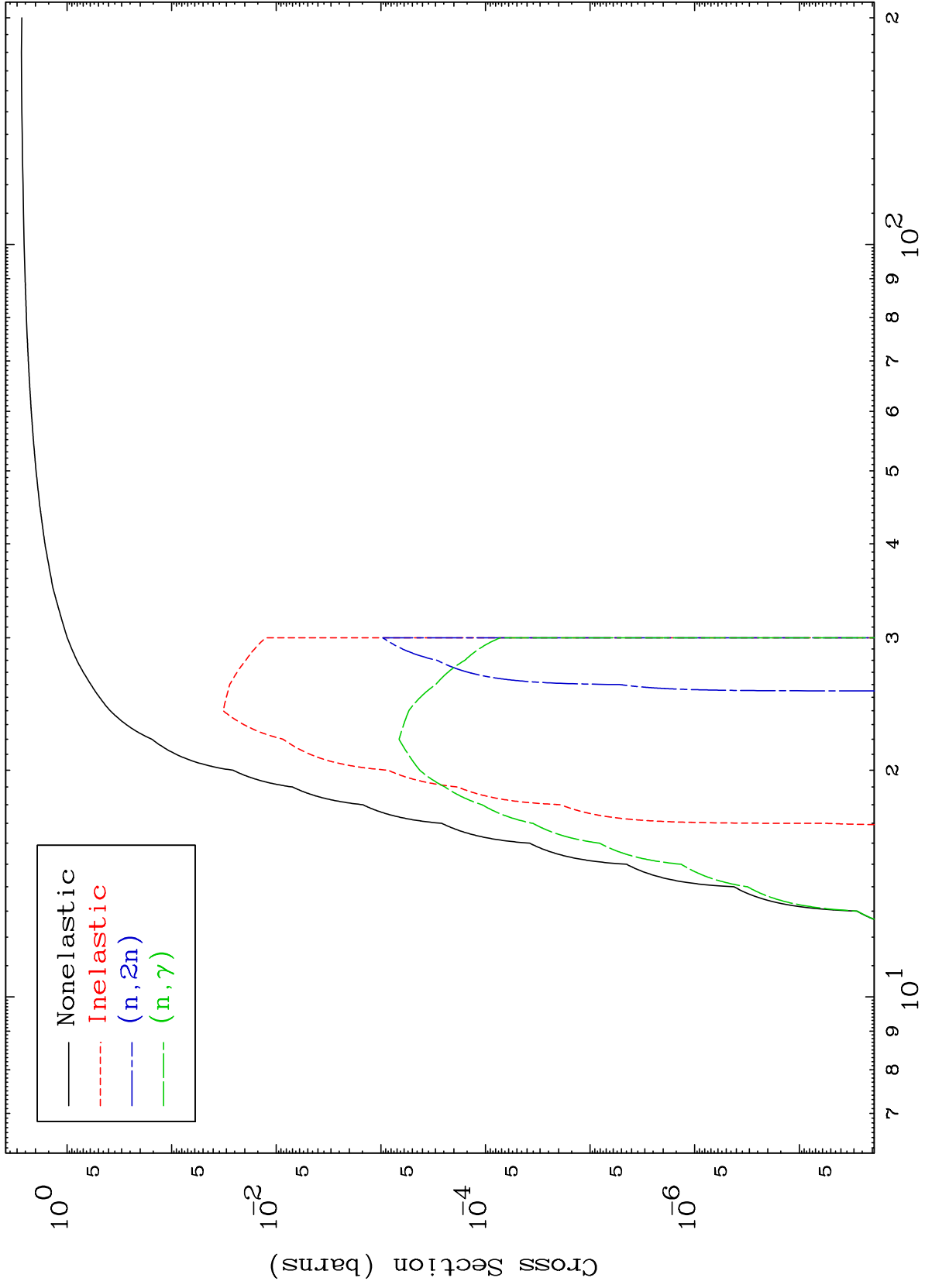
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8284

0 Kelvin Cross Sections

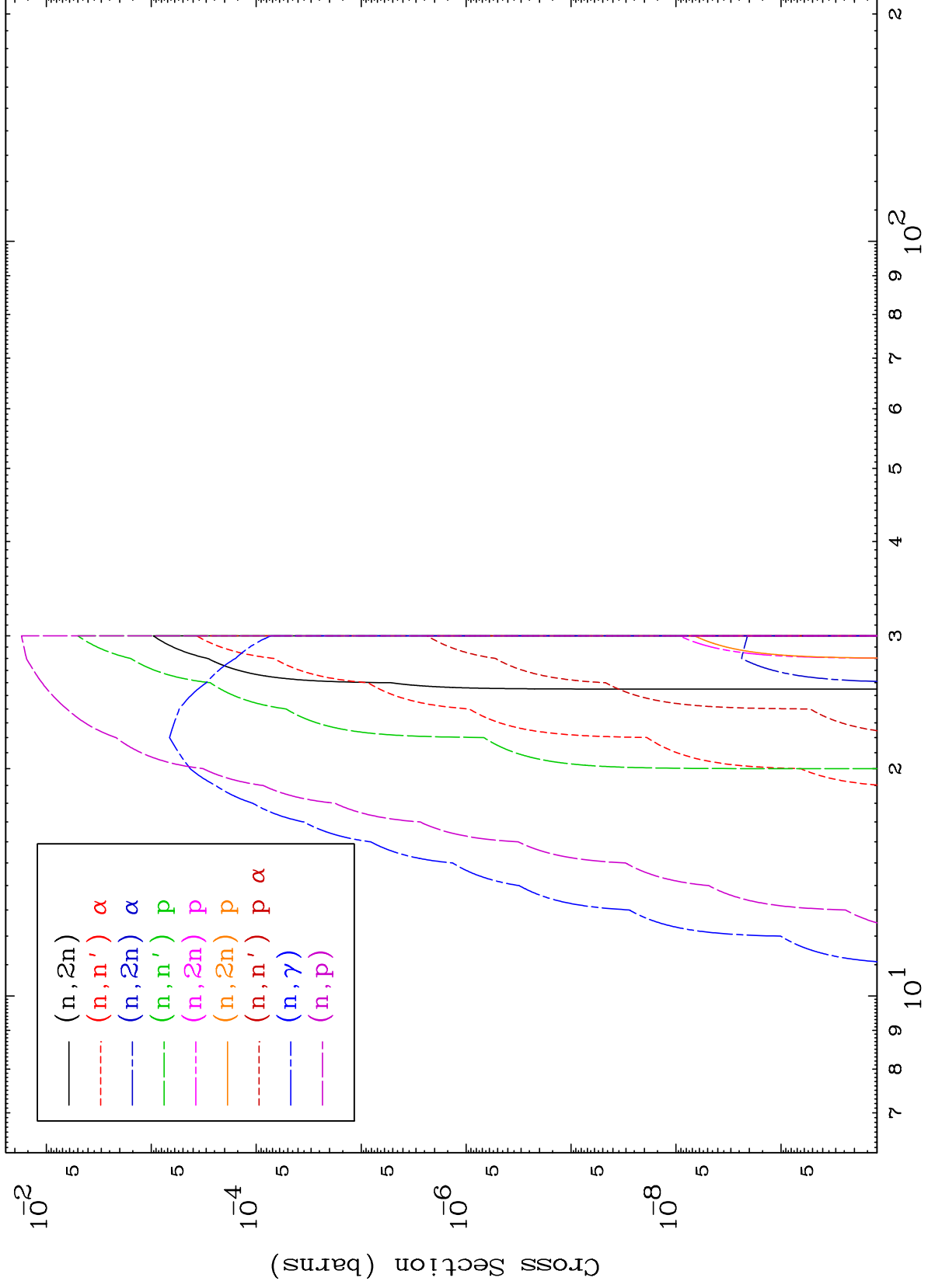
83-Bi-195m



1

Incident Energy (MeV)

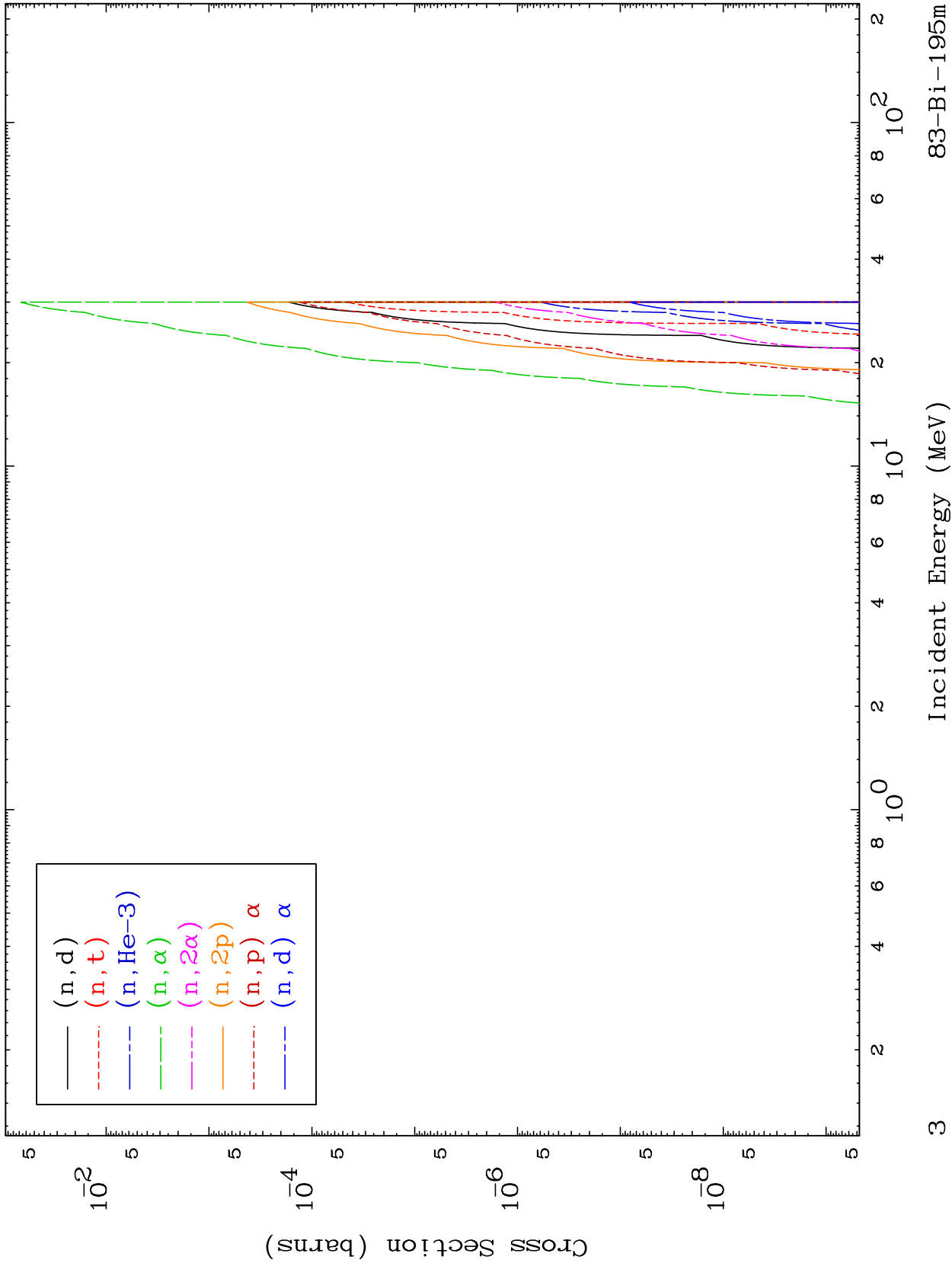
83-Bi-195m

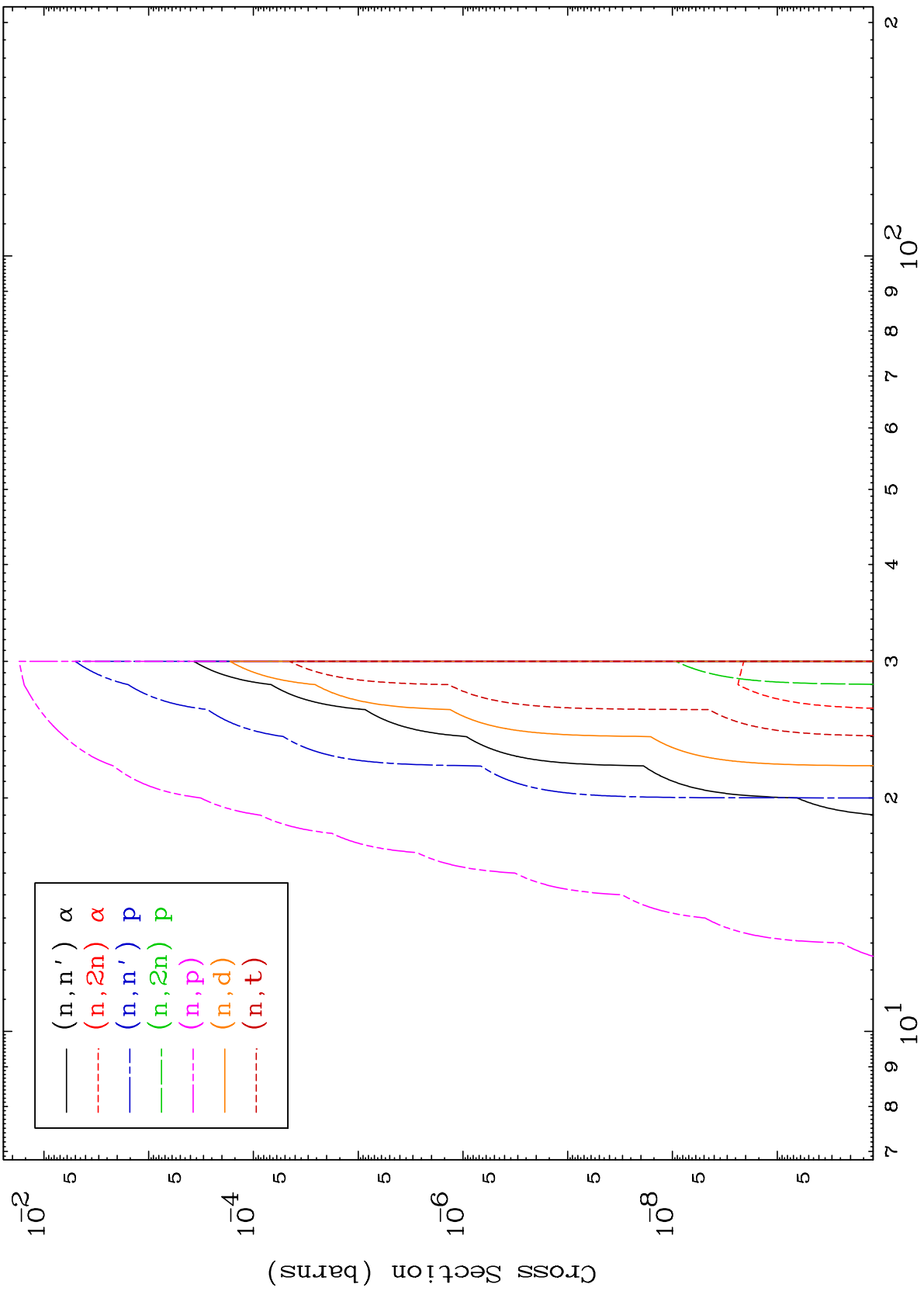


MAT 8284

α Neutron Absorption
0 Kelvin Cross Sections

83-Bi-195m



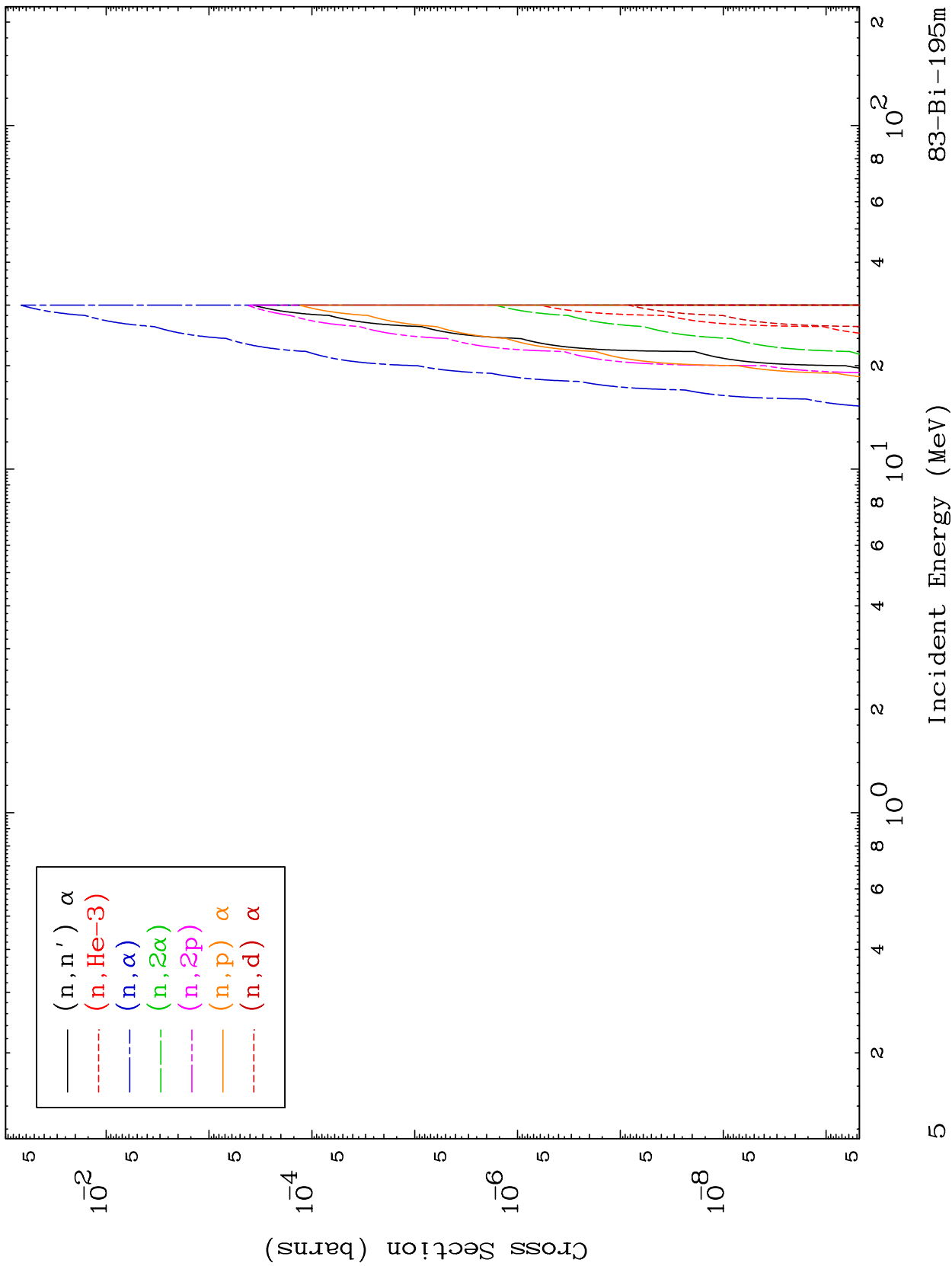


MAT 8284

α Charged Particle

83-Bi-195m

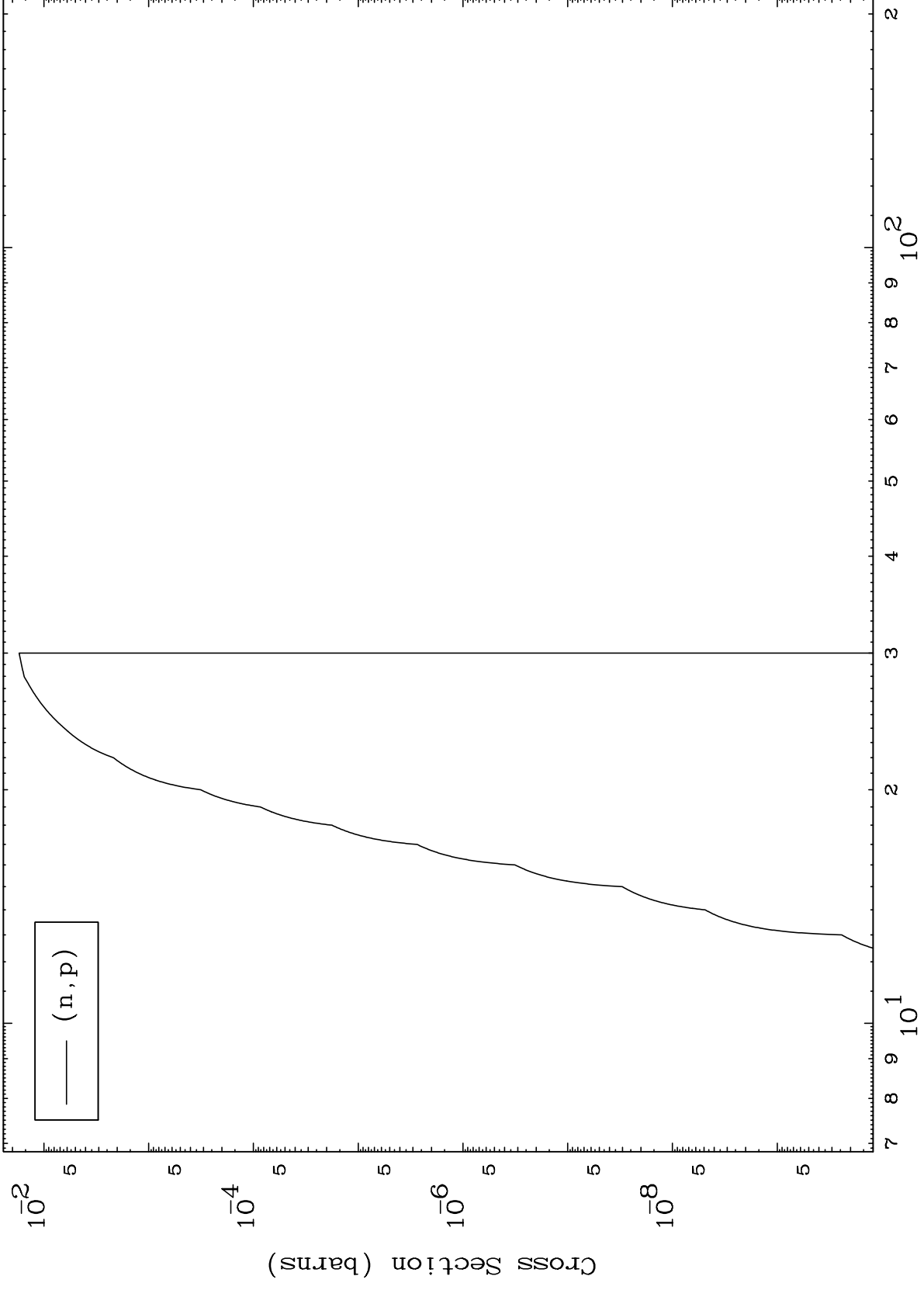
0 Kelvin Cross Sections



MAT 8284

(α, p) Levels
0 Kelvin Cross Sections

83-Bi-195m



6

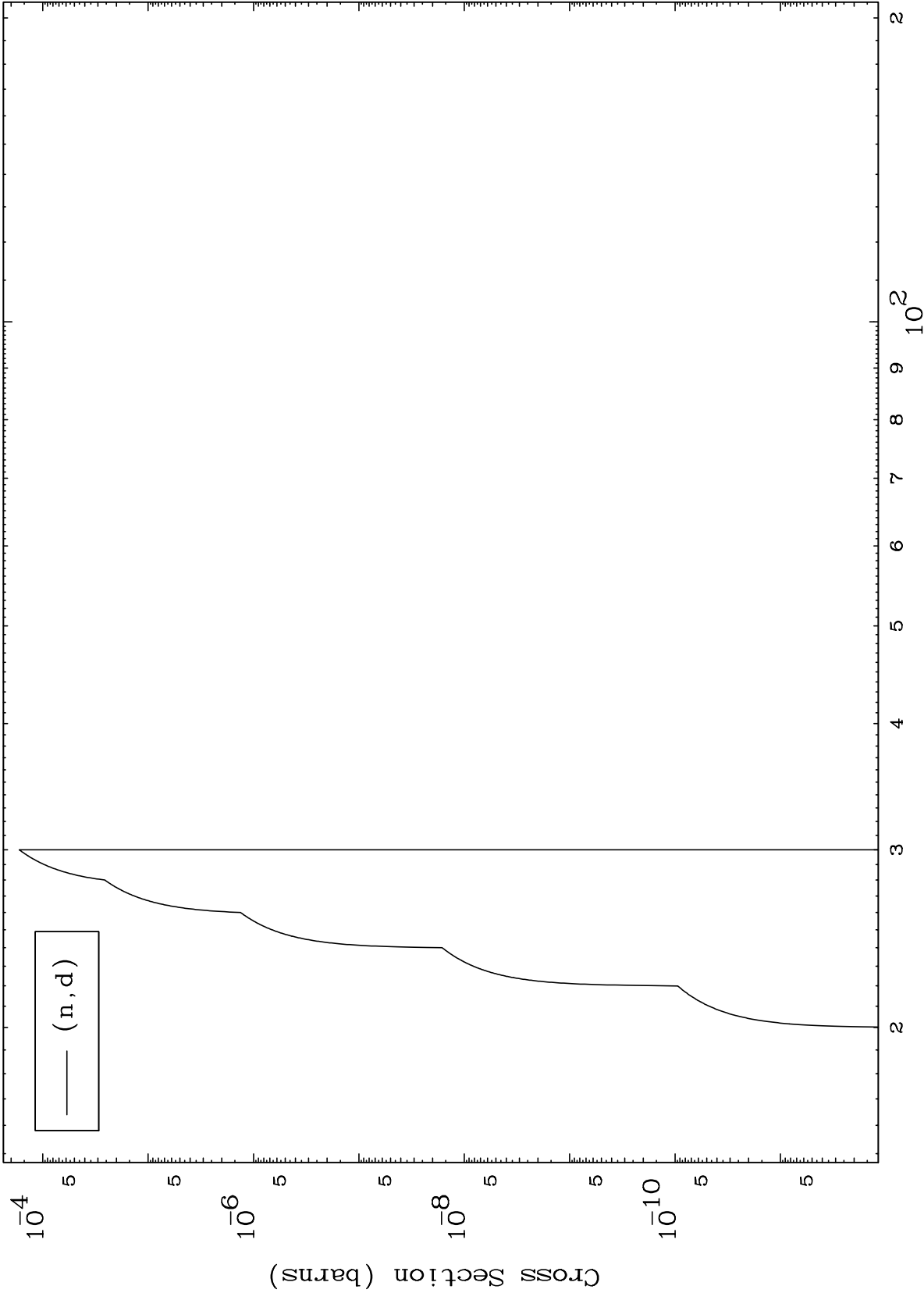
Incident Energy (MeV)

83-Bi-195m

MAT 8284

(α, d) Levels
0 Kelvin Cross Sections

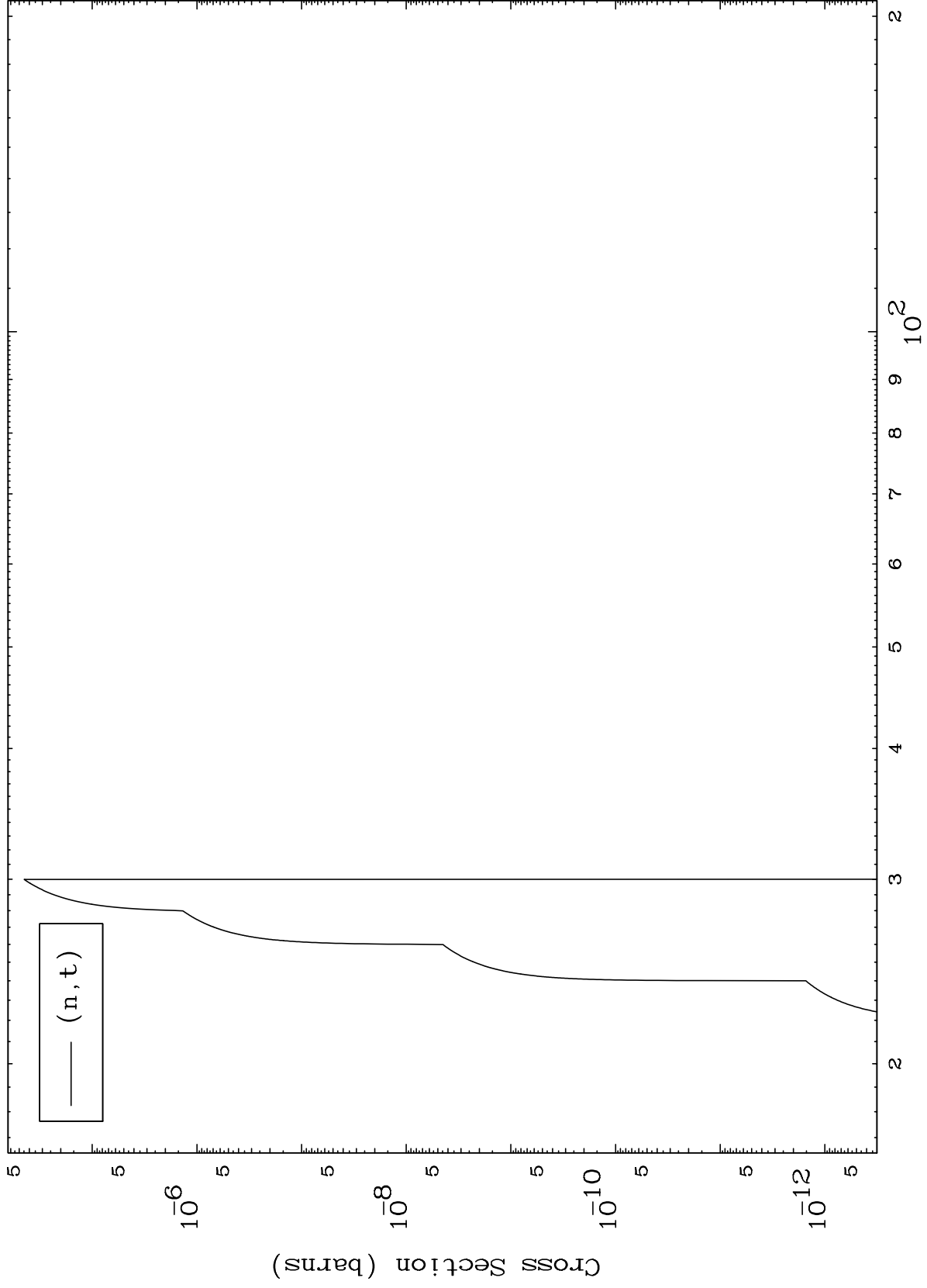
83-Bi-195m

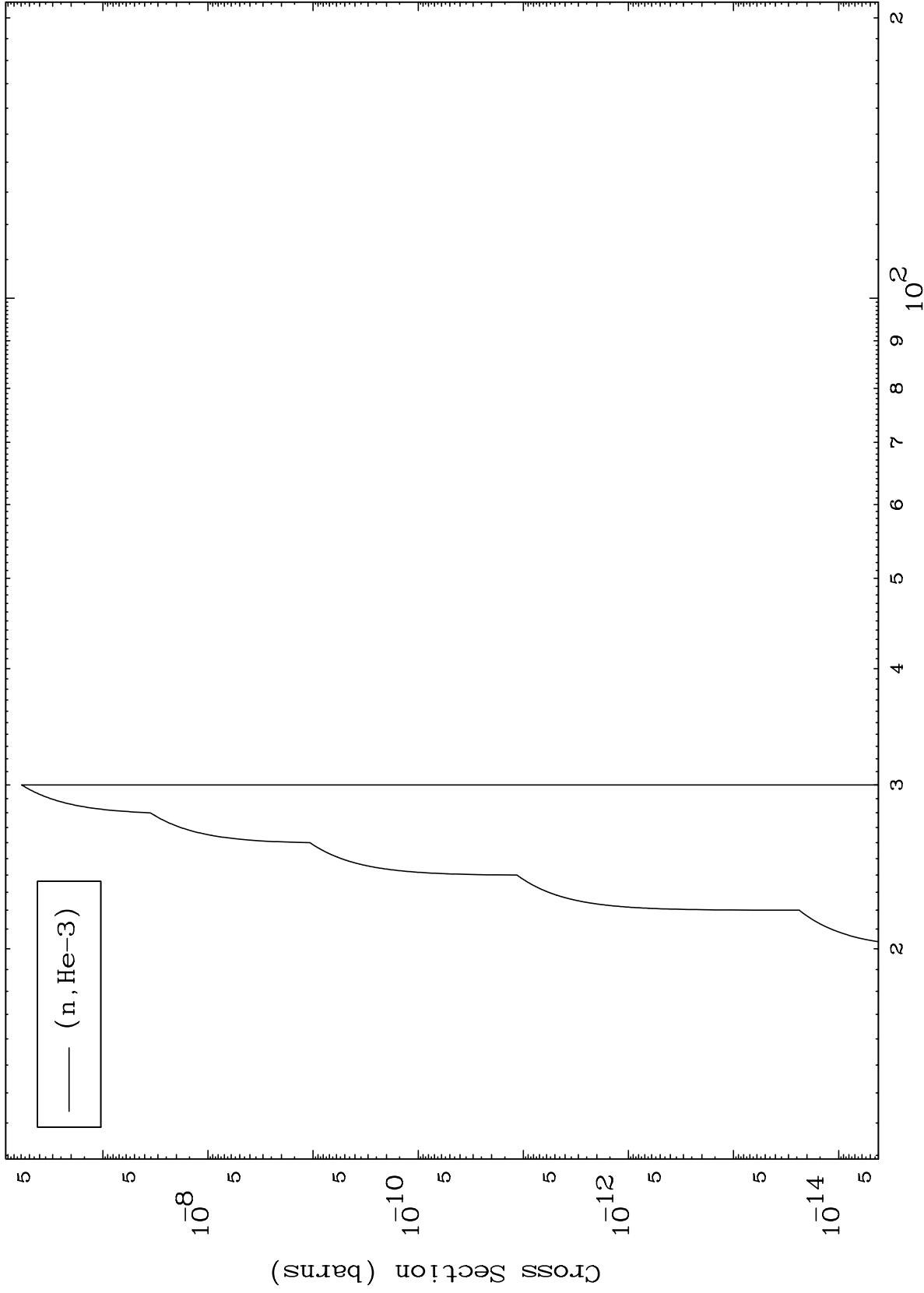


MAT 8284

(α, t) Levels
0 Kelvin Cross Sections

83-Bi-195m



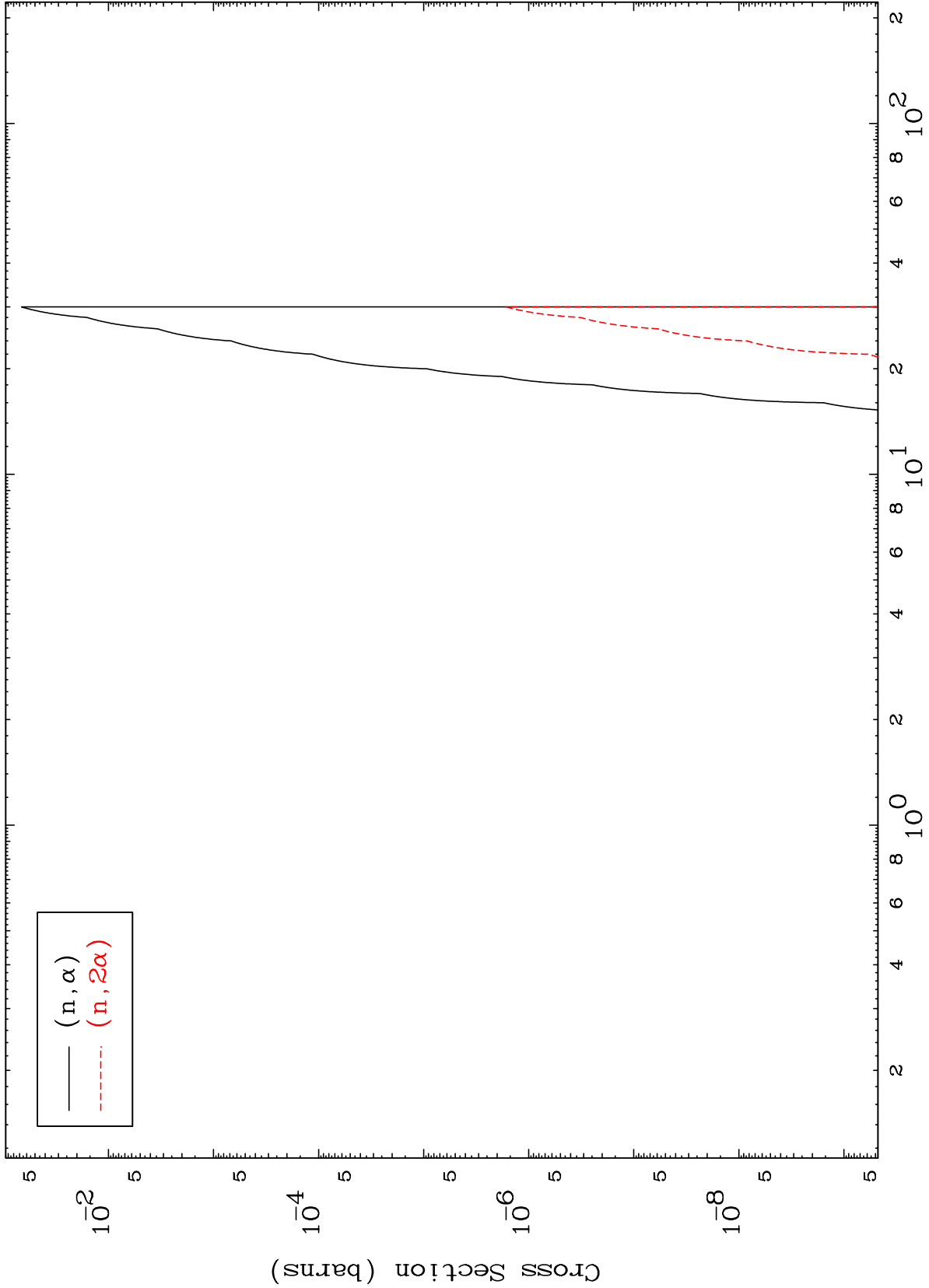


MAT 8284

(α, α) Levels

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

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

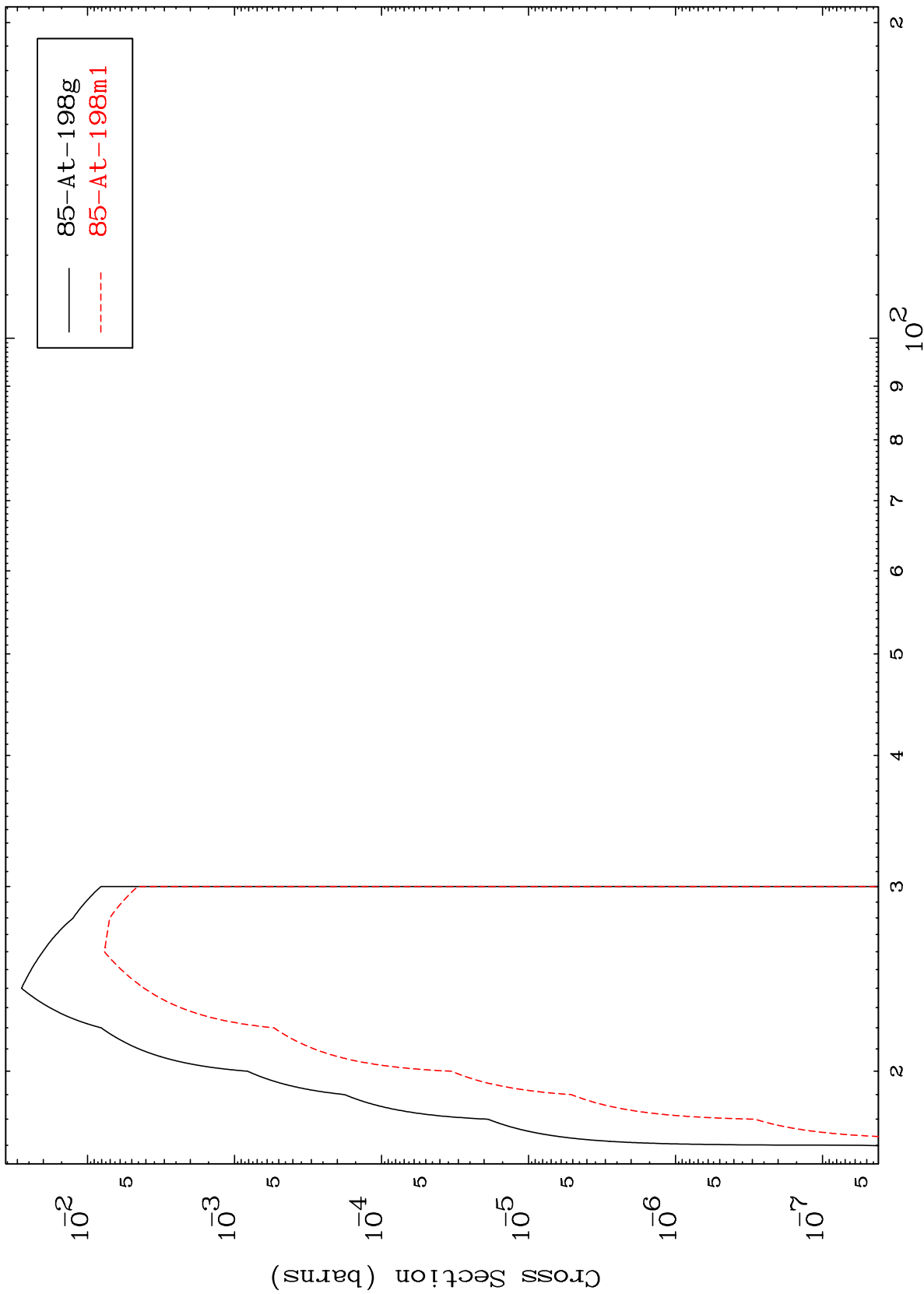
Incident Energy (MeV)

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

MAT 8284

83-Bi-195m

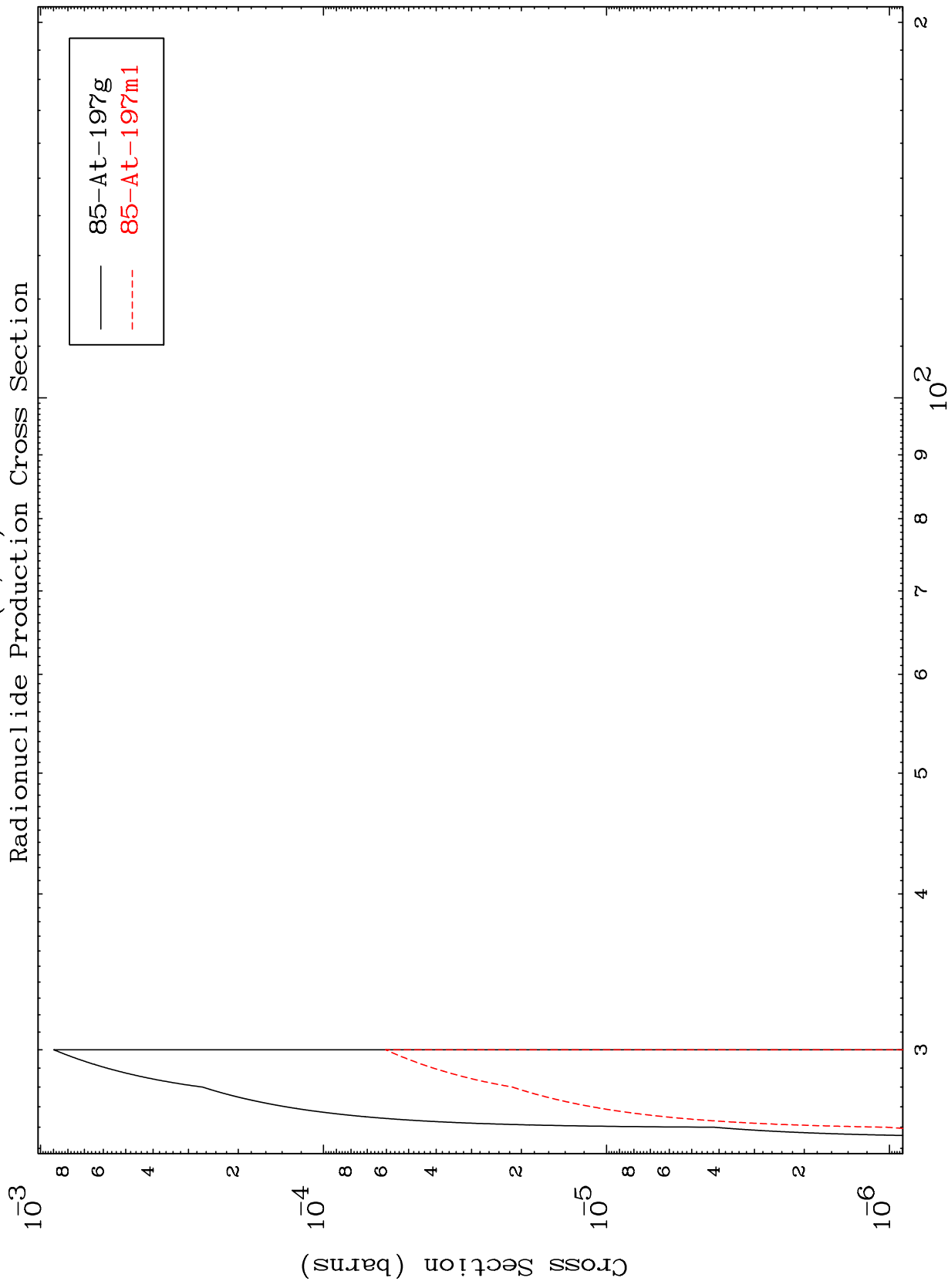
Inelastic
Radionuclide Production Cross Section



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83-Bi-195m

(n,2n)
Radionuclide Production Cross Section



12

83-Bi-195m

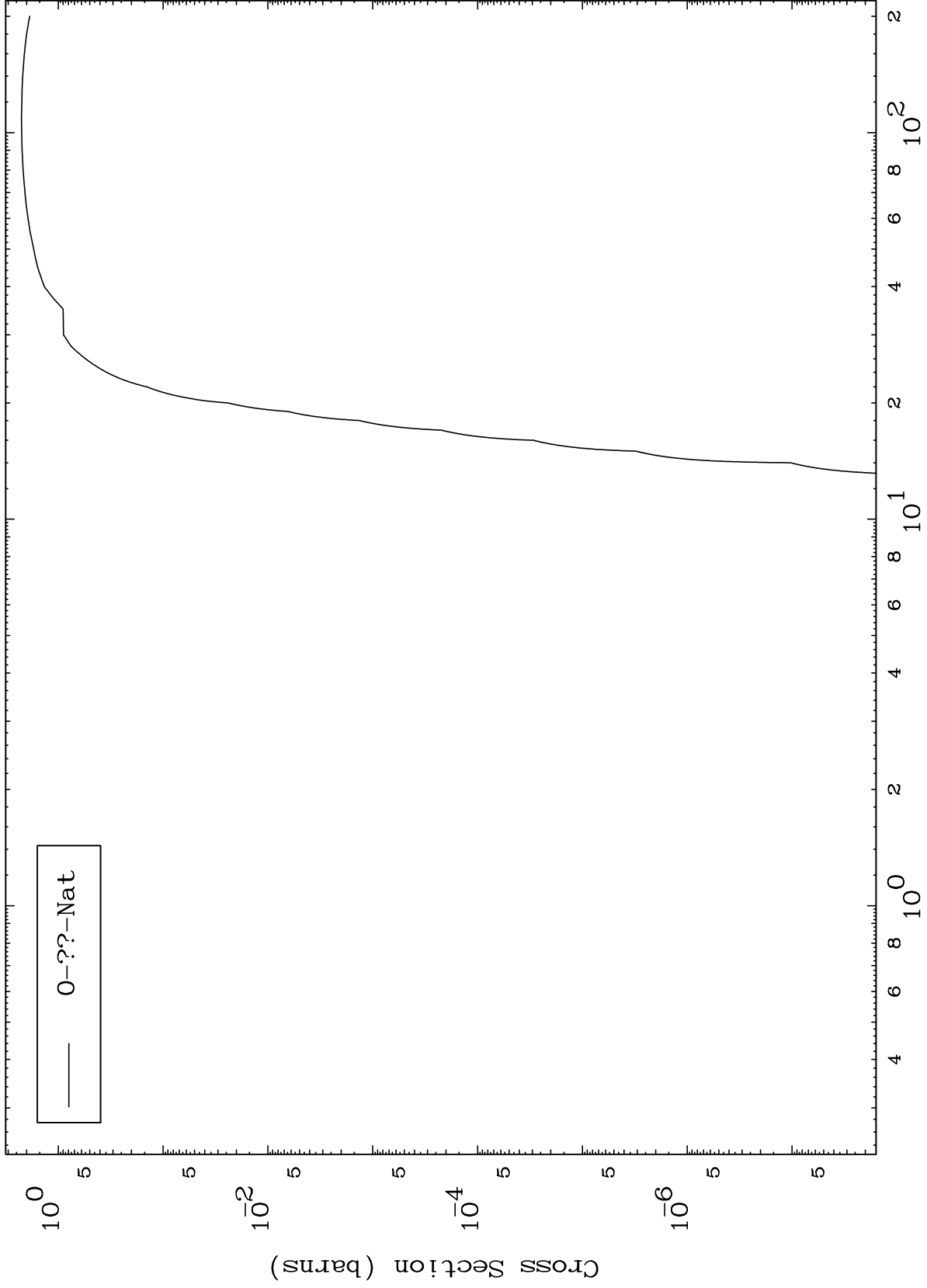
Incident Energy (MeV)

MAT 8284

Fission

⁸³Bi-195m

Radionuclide Production Cross Section

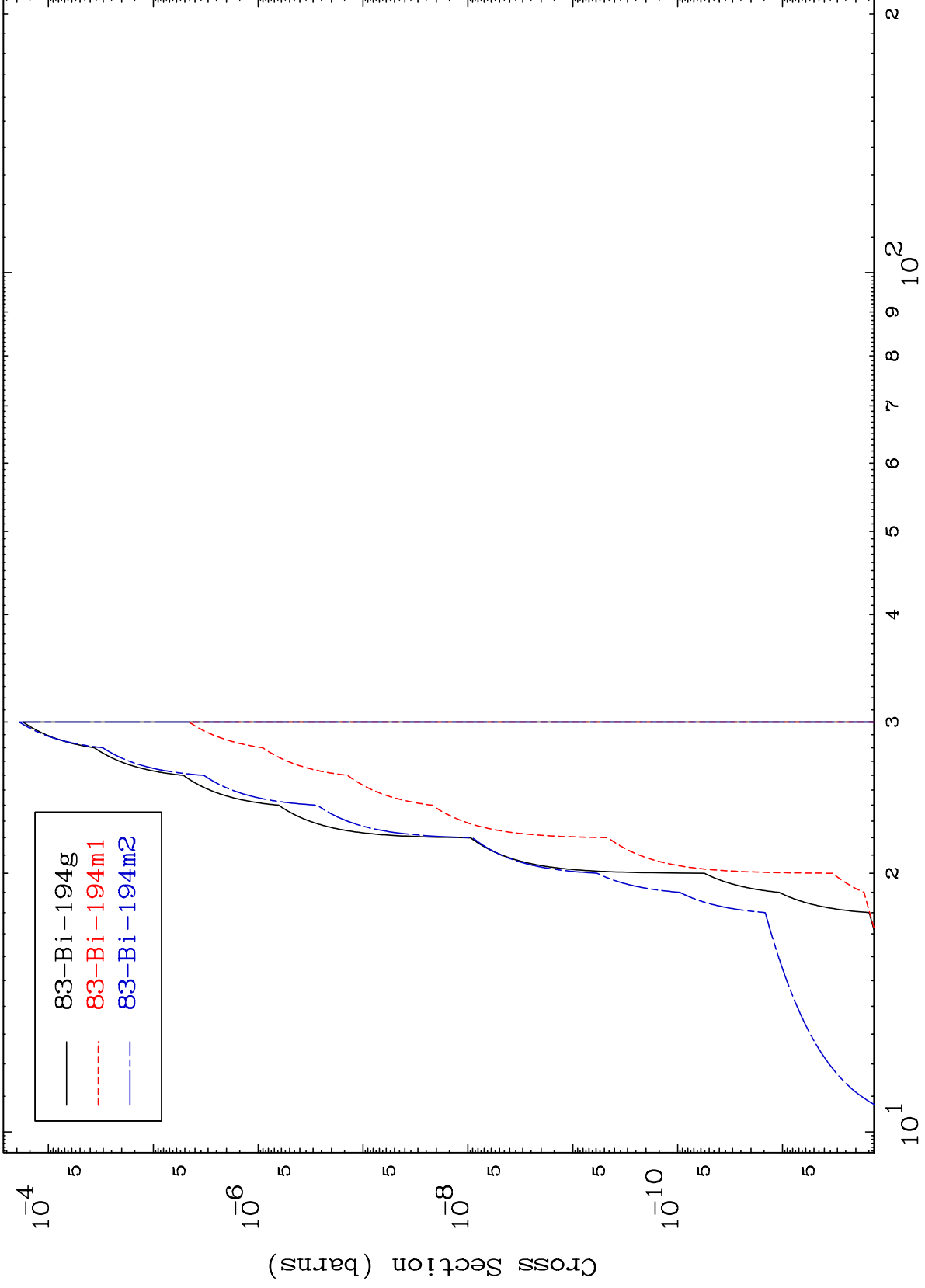


MAT 8284

$(n, n') \alpha$

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

Radionuclide Production Cross Section



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

Incident Energy (MeV)

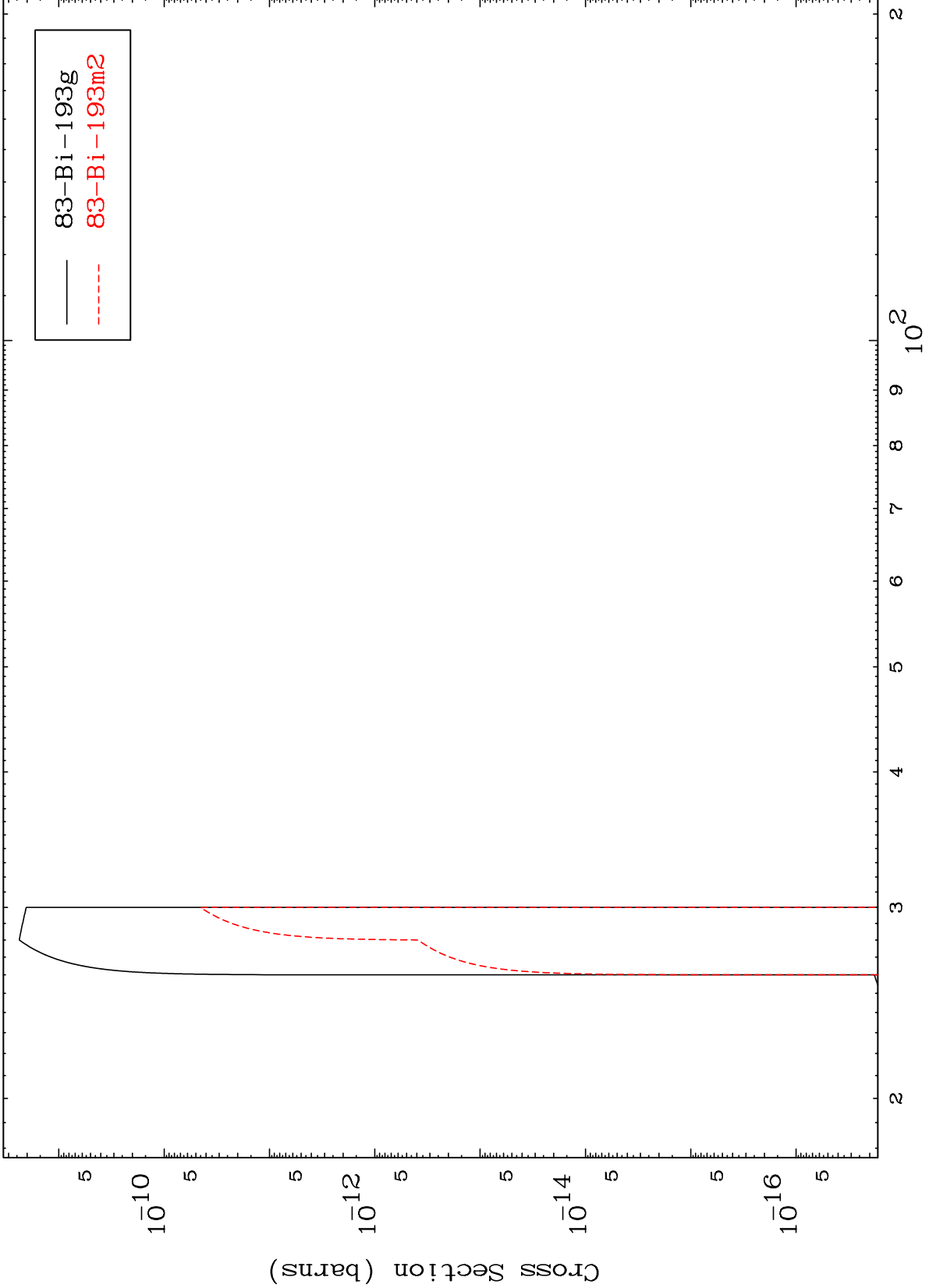
14

MAT 8284

$(n,2n) \alpha$

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

Radionuclide Production Cross Section



15

Incident Energy (MeV)

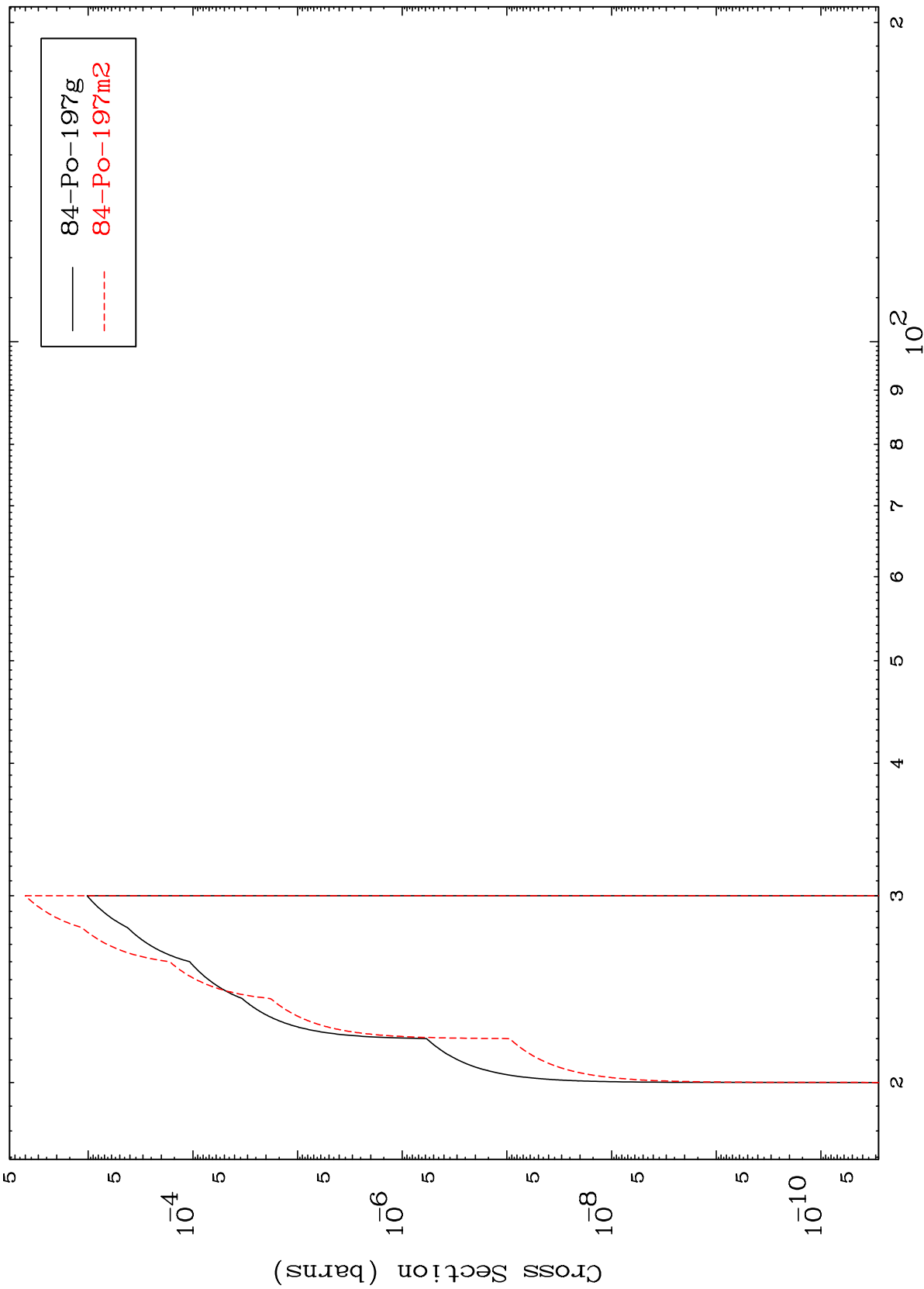
$^{83}\text{Bi}-195\text{m}$

MAT 8284

(n,n') p

83-Bi-195m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

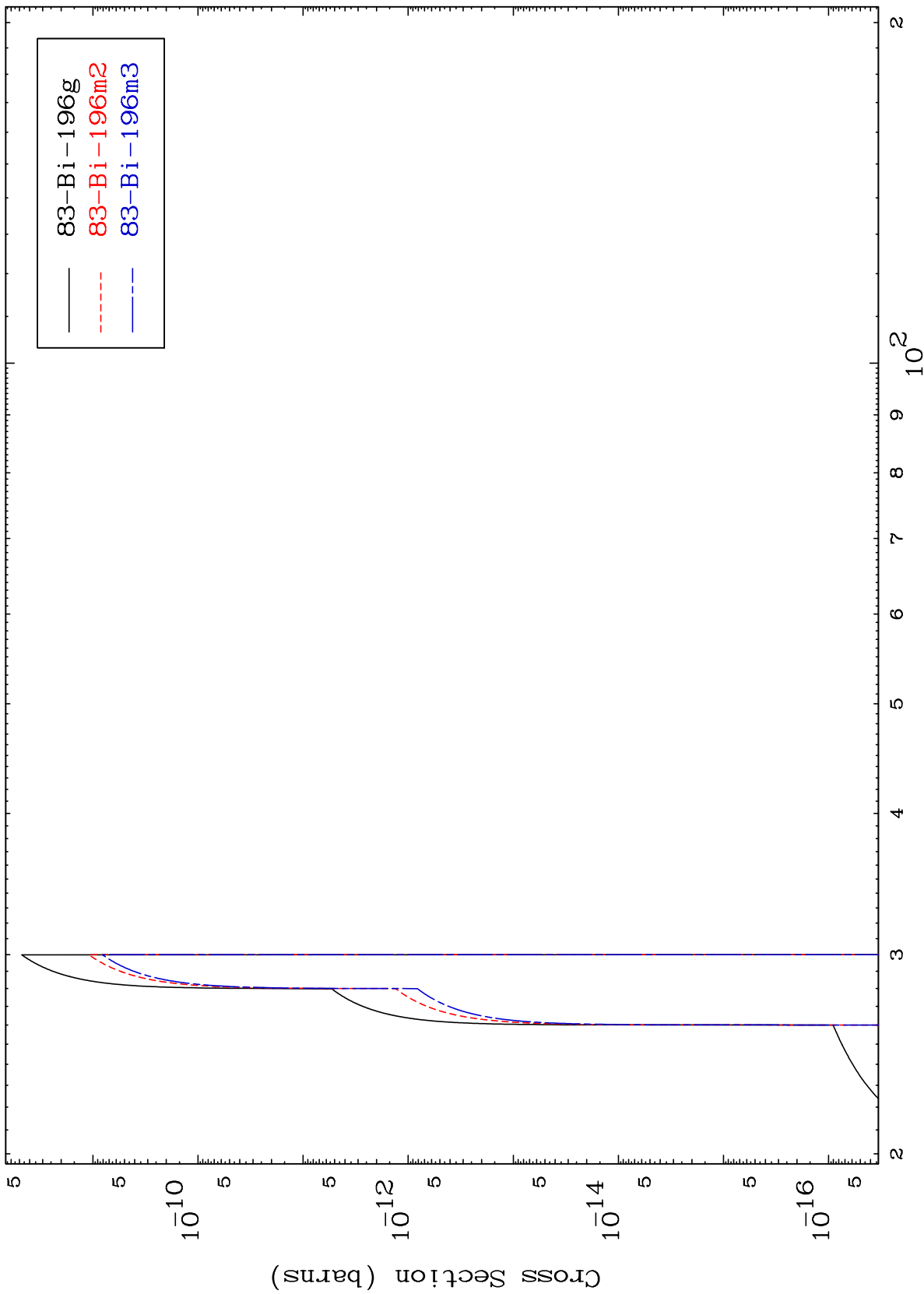
83-Bi-195m

MAT 8284

(n,2n) p

83-Bi-195m

Radionuclide Production Cross Section



17

Incident Energy (MeV)

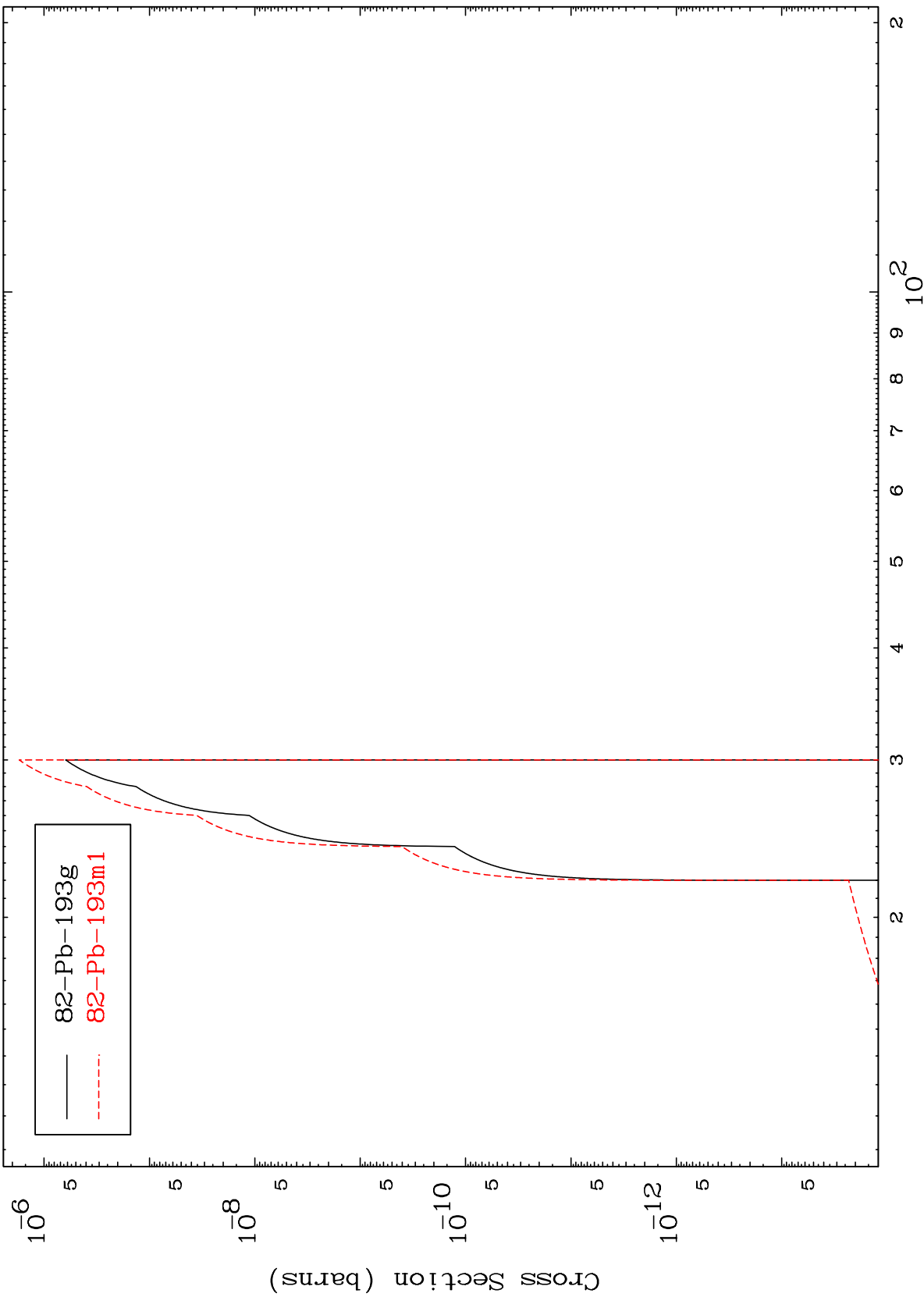
83-Bi-195m

MAT 8284

(n,n') p α

83-Bi-195m

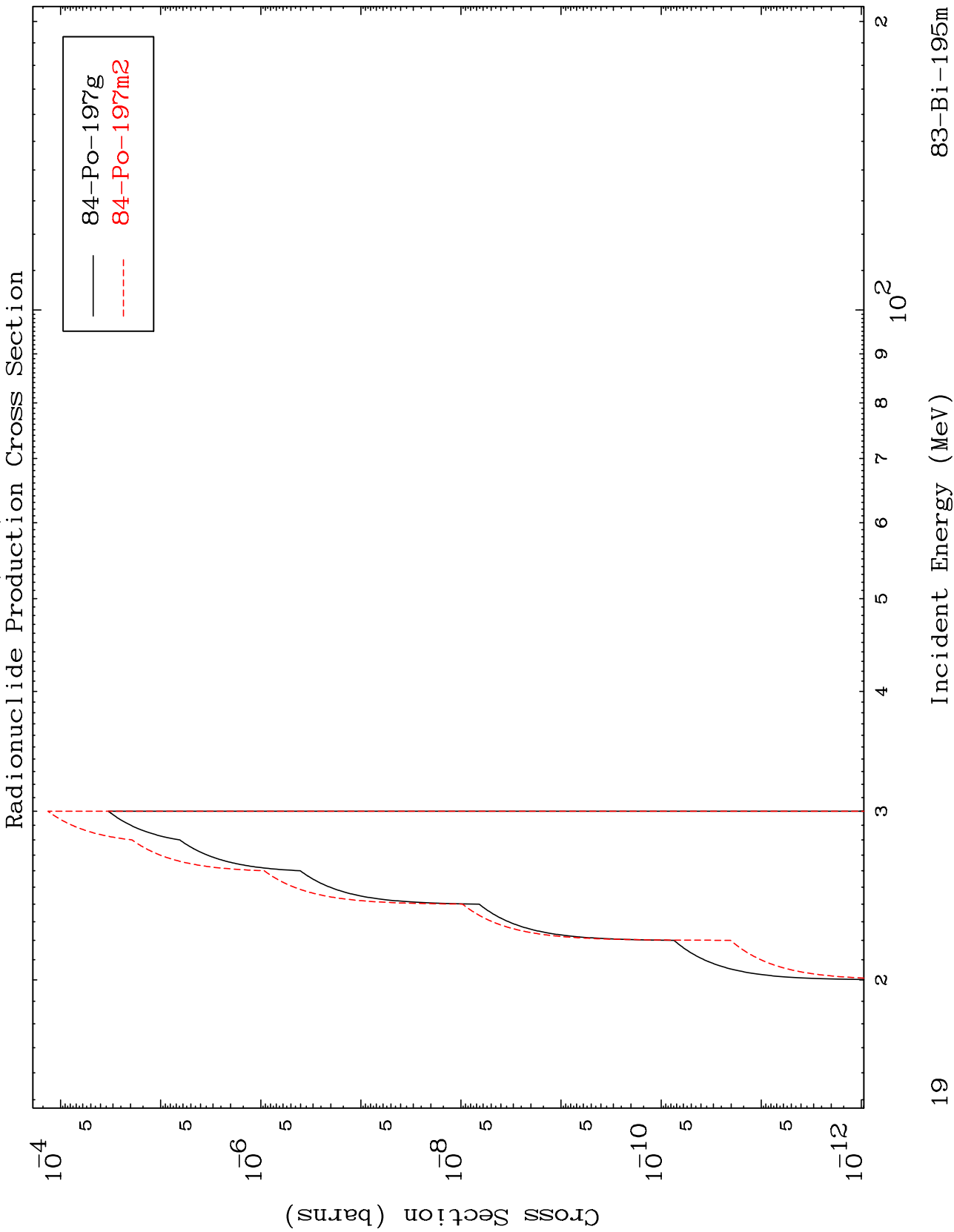
Radionuclide Production Cross Section



MAT 8284

(n,d)

83-Bi-195m



19

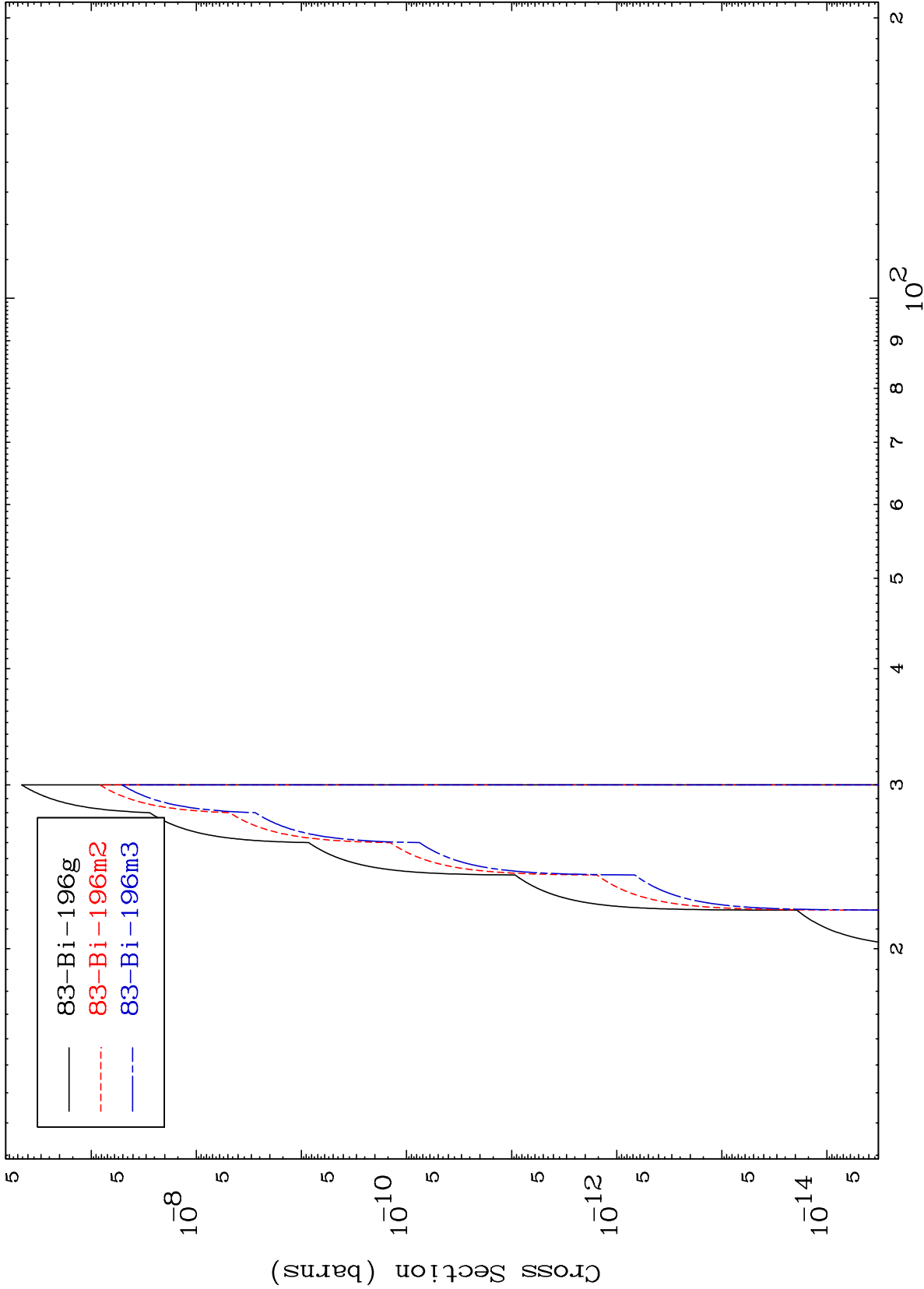
83-Bi-195m

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(n,He-3)

83-Bi-195m

Radionuclide Production Cross Section



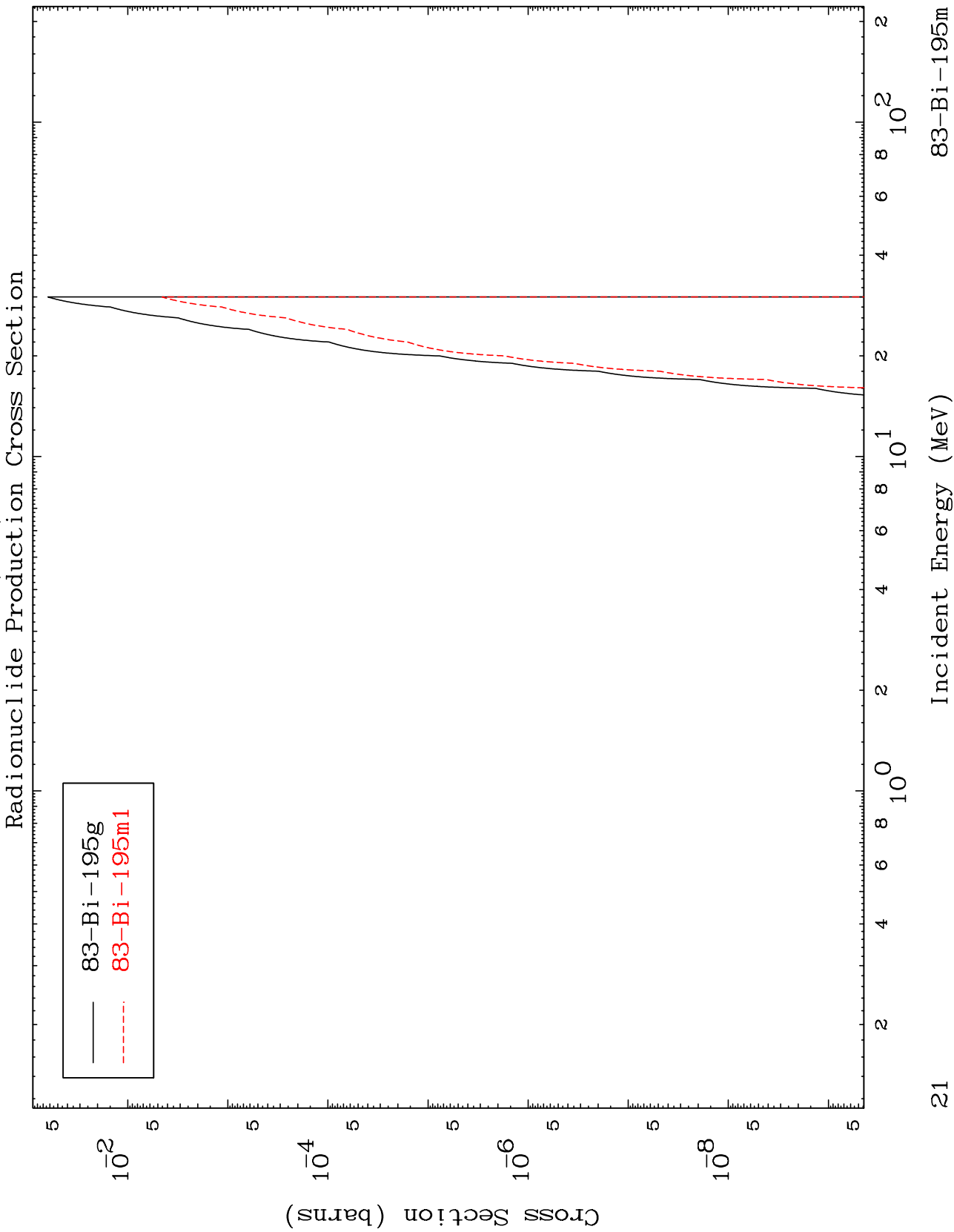
20

Incident Energy (MeV)

83-Bi-195m

MAT 8284

83-Bi-195m

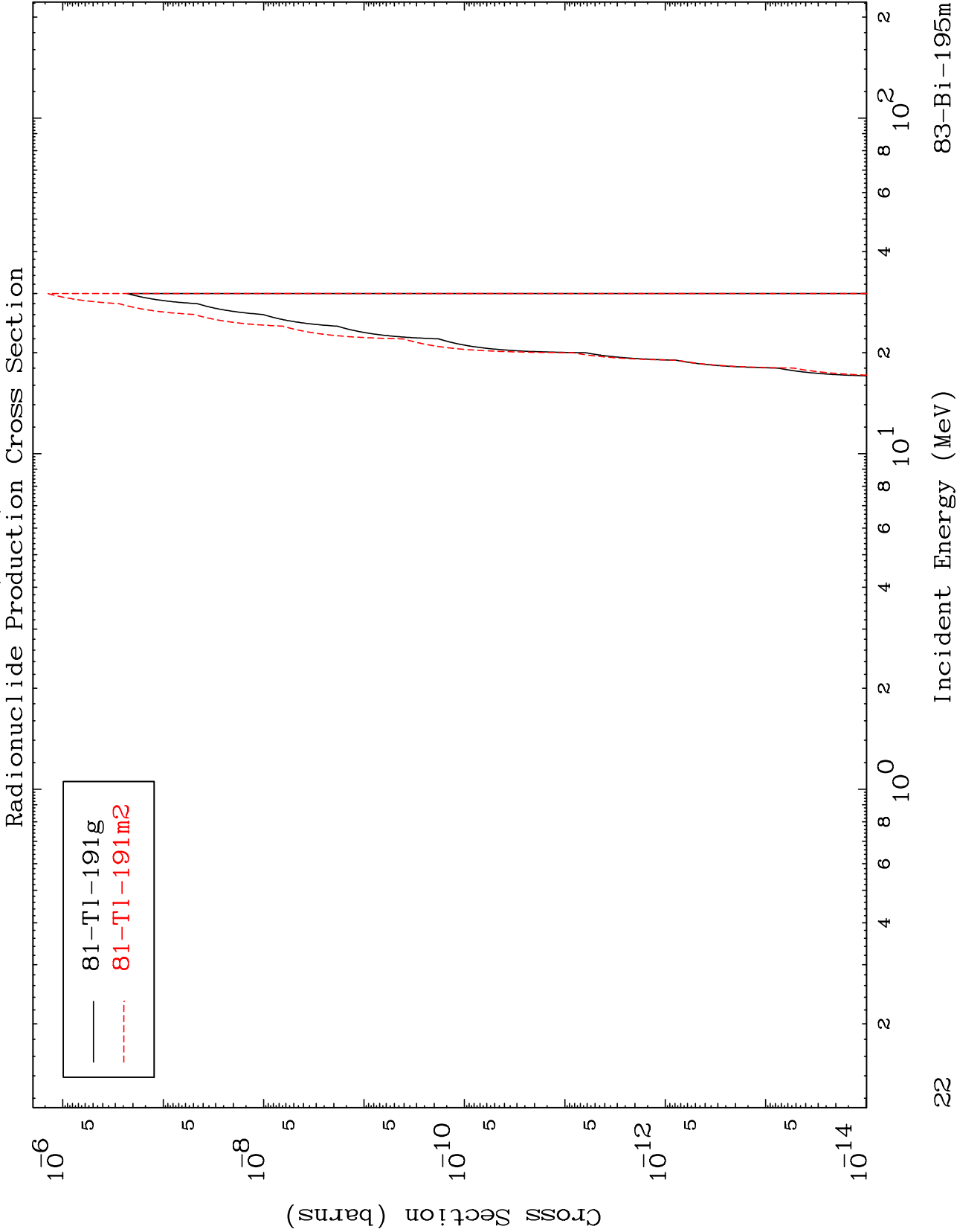


83-Bi-195g
83-Bi-195m1

MAT 8284

(n,2α)

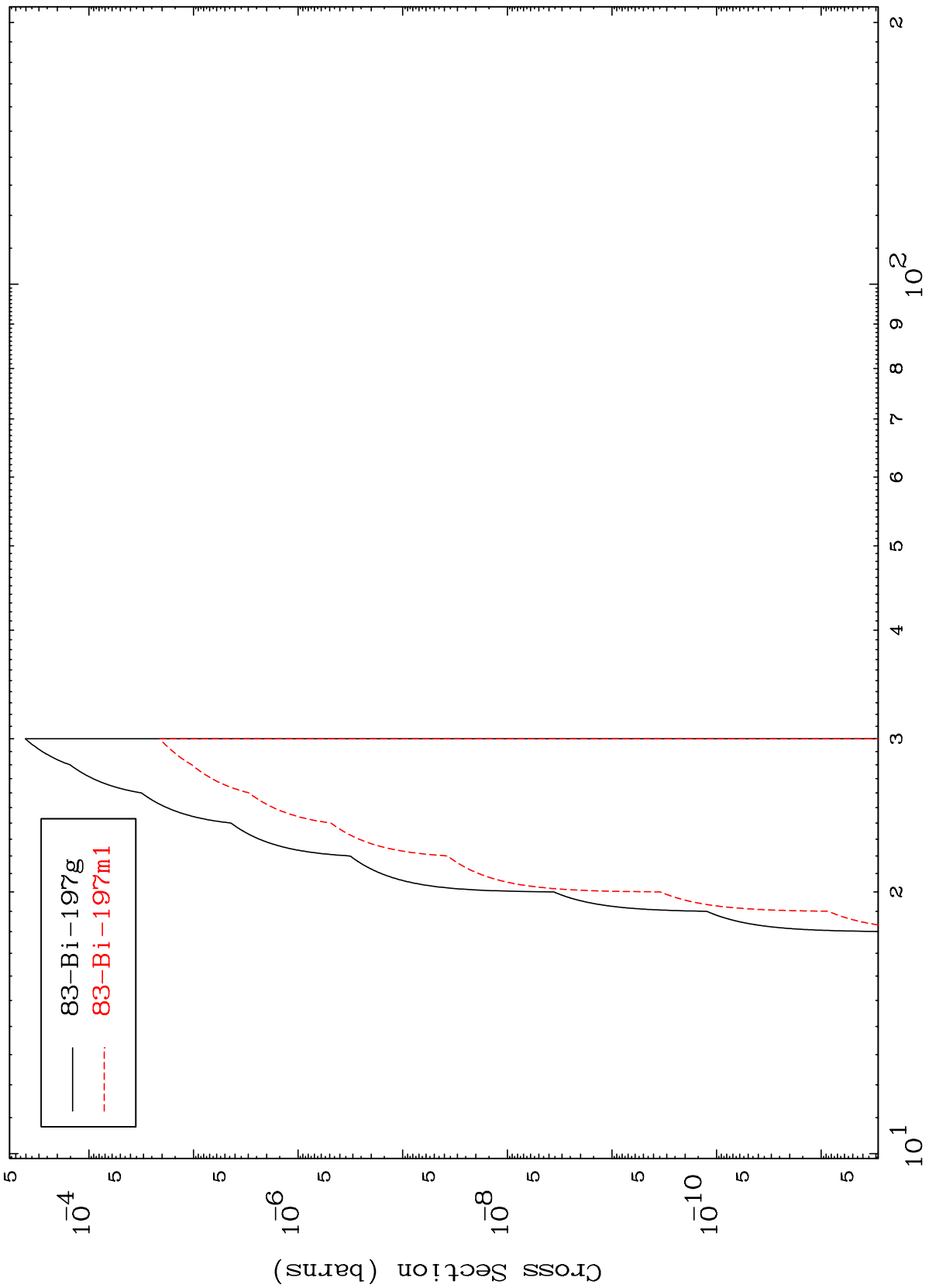
83-Bi-195m



MAT 8284

83-Bi-195m

(n,2p)
Radionuclide Production Cross Section



83-Bi-197g
83-Bi-197m1

83-Bi-195m

Incident Energy (MeV)

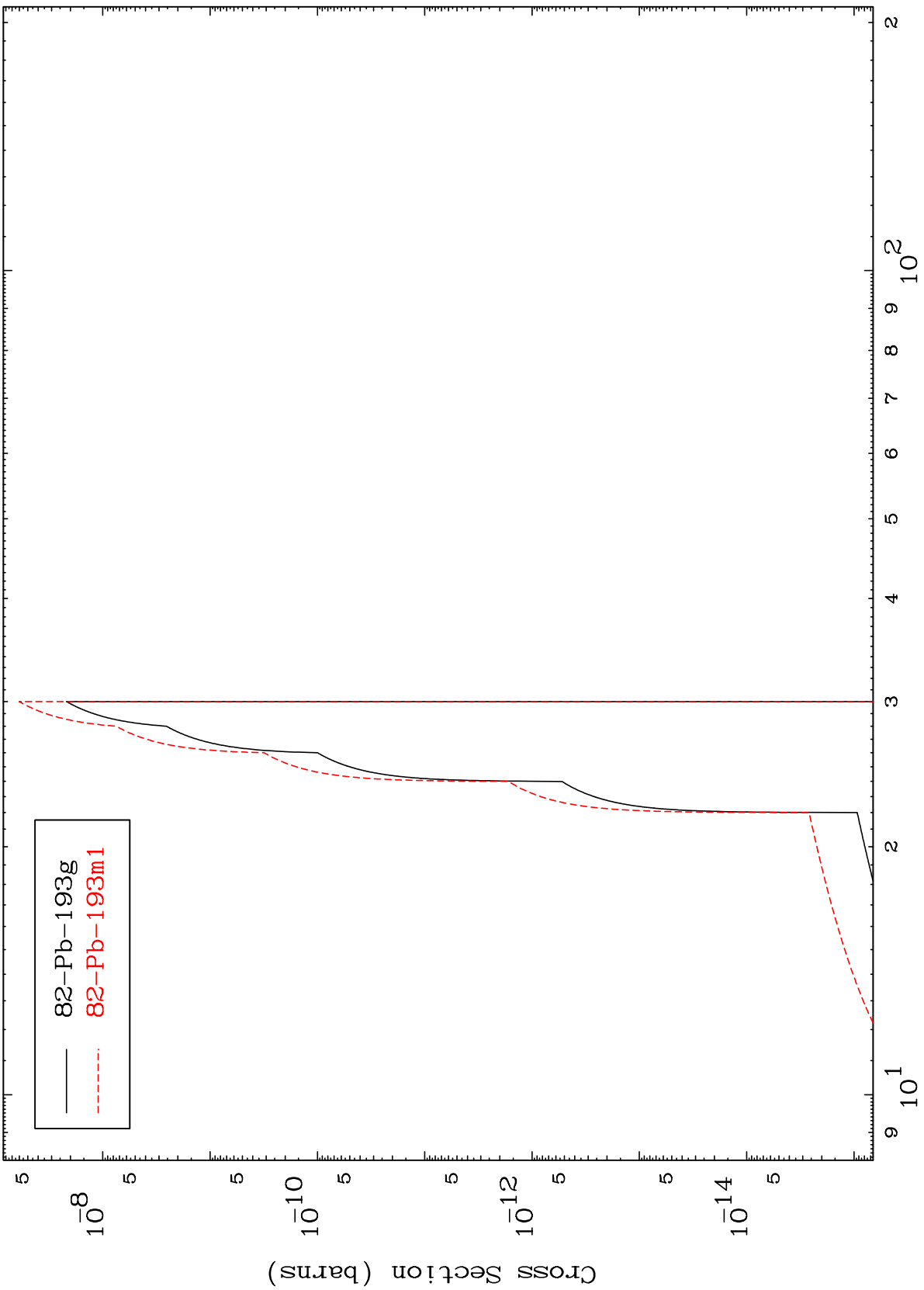
23

MAT 8284

(n,d) α

83-Bi-195m

Radionuclide Production Cross Section



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

24

Incident Energy (MeV)

83-Bi-195m