

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

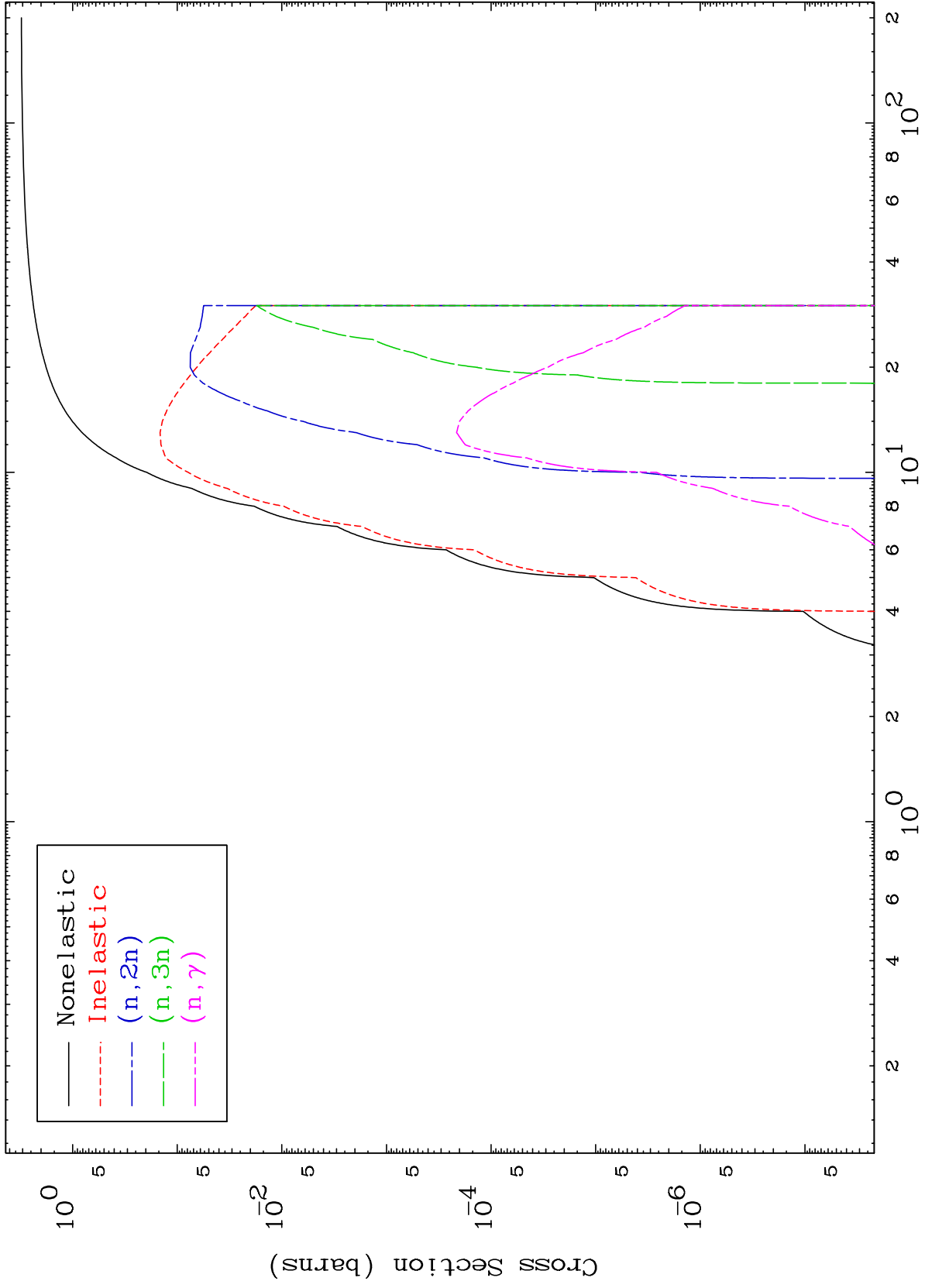
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8284

Deuteron Major
0 Kelvin Cross Sections

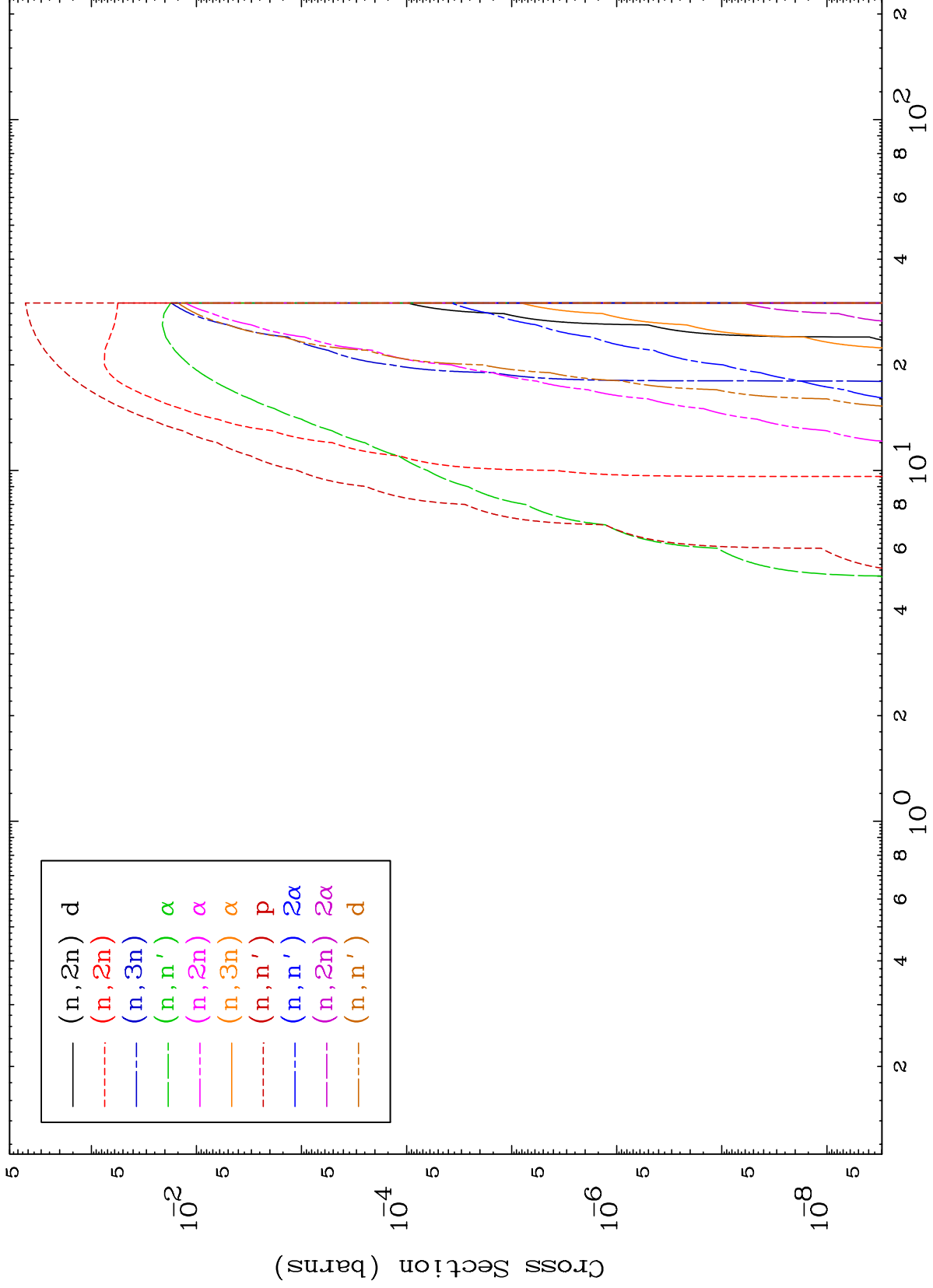
83-Bi-195m

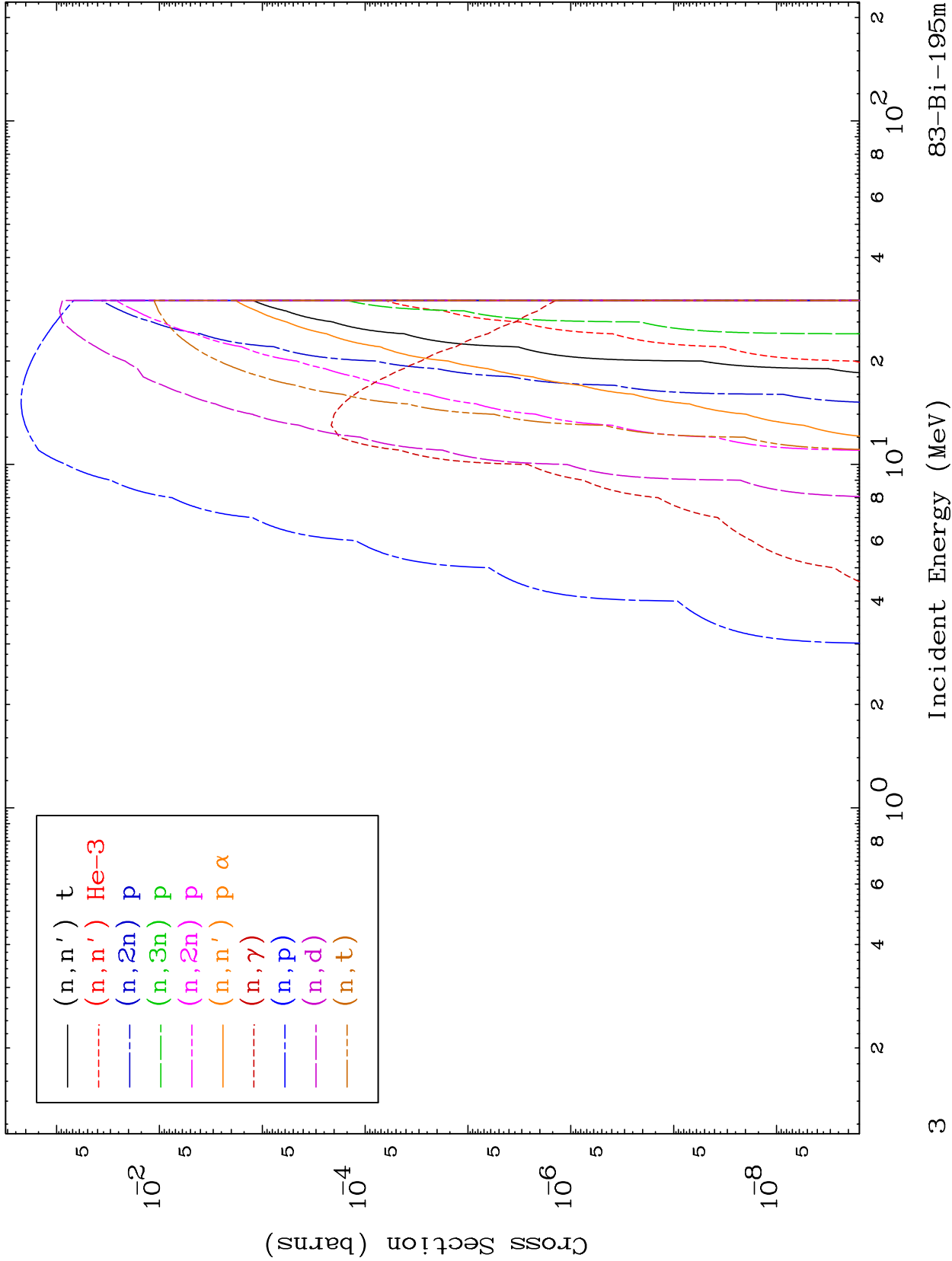


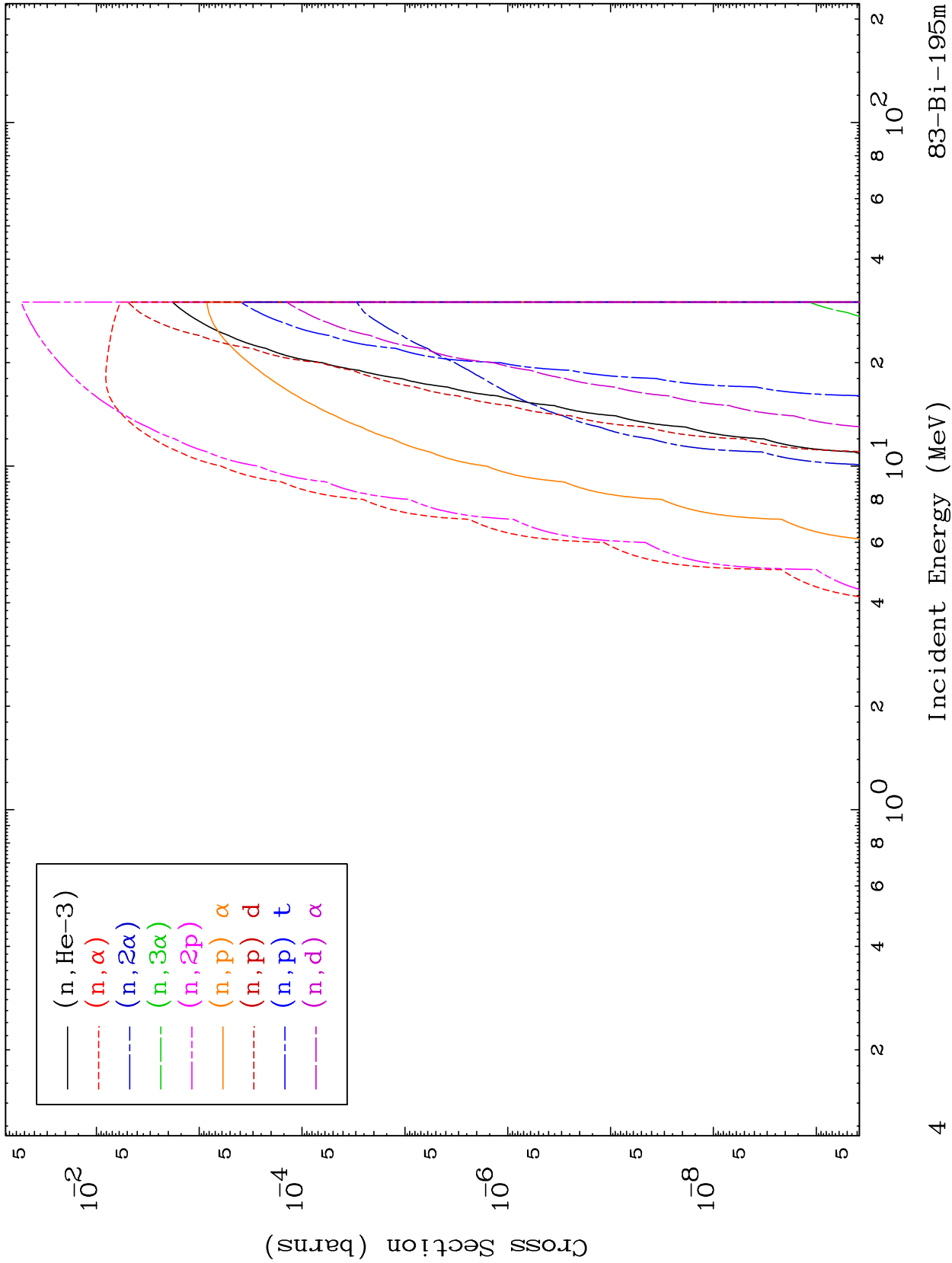
MAT 8284

Deuteron Neutron Absorption
0 Kelvin Cross Sections

83-Bi-195m



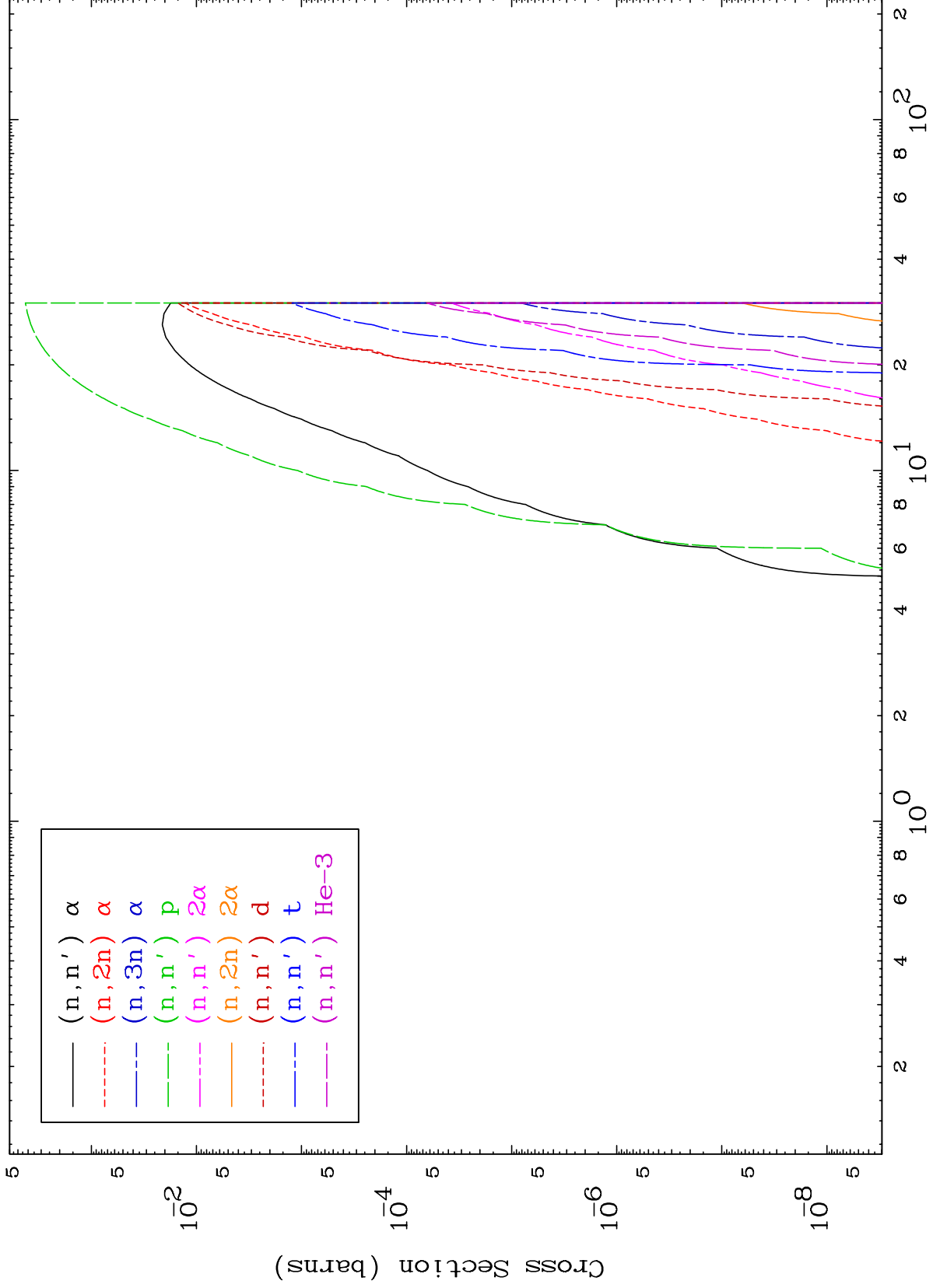




MAT 8284

Deuteron Charged Particle
0 Kelvin Cross Sections

83-Bi-195m



5

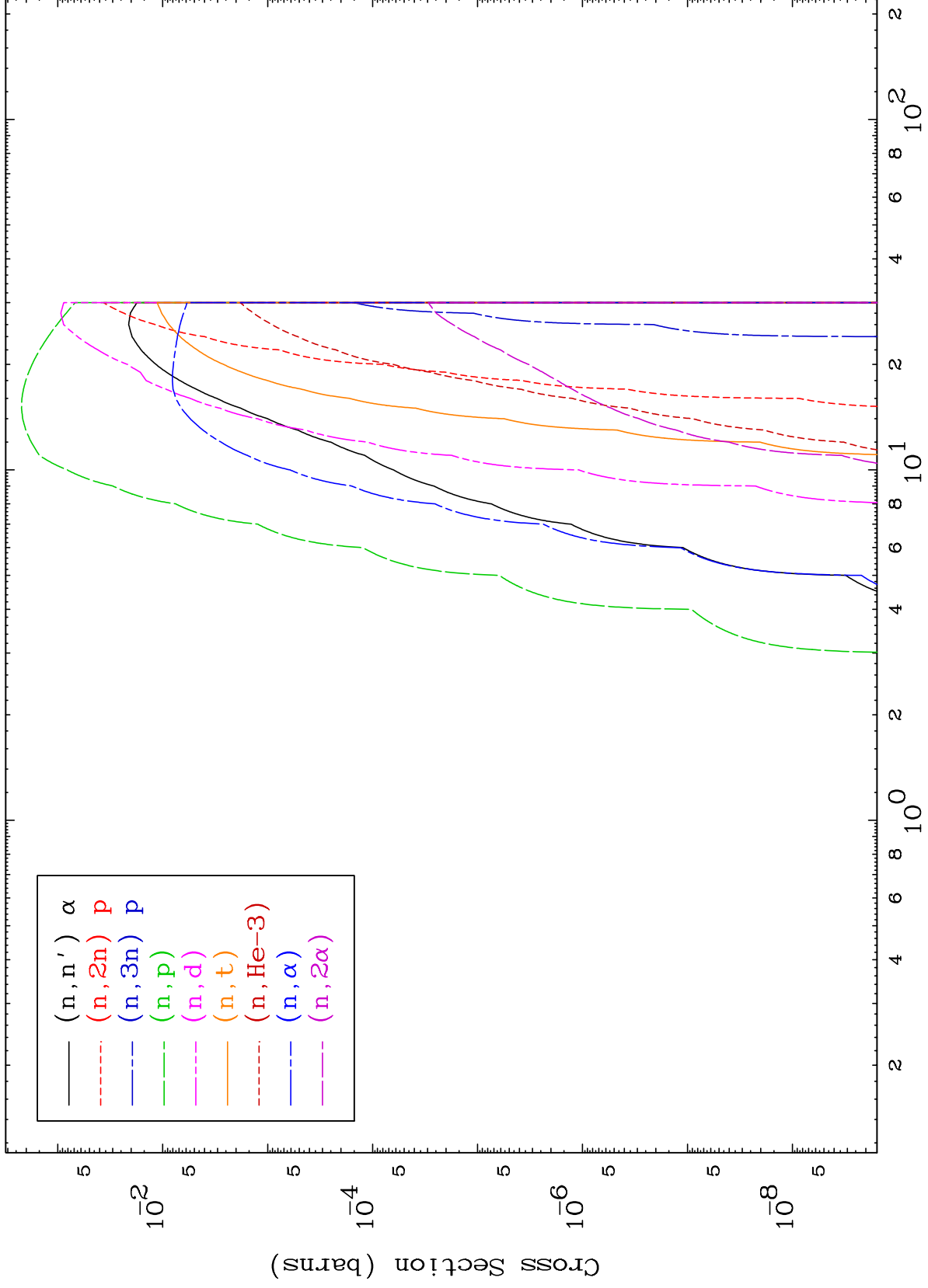
Incident Energy (MeV)

83-Bi-195m

MAT 8284

Deuteron Charged Particle
0 Kelvin Cross Sections

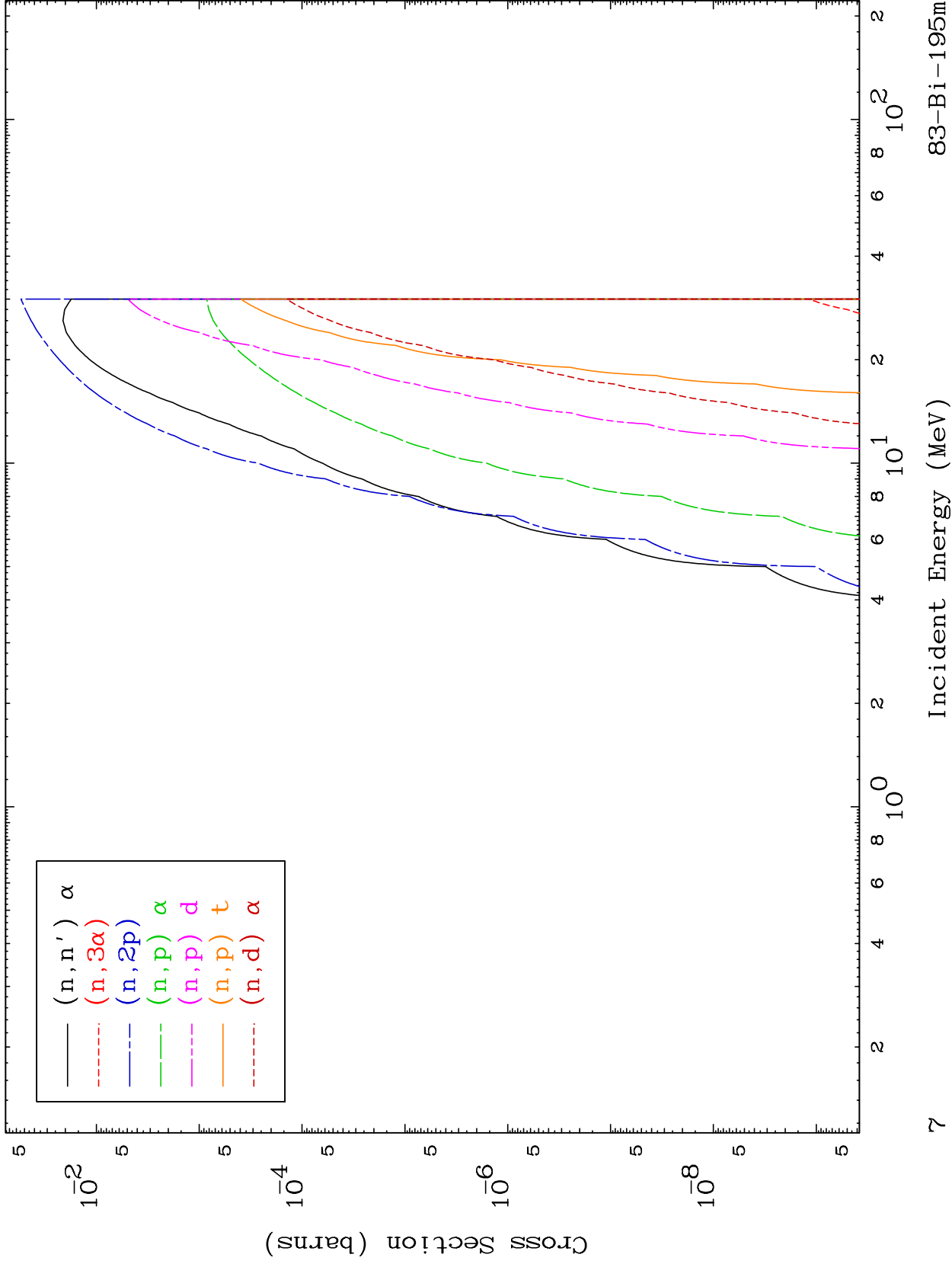
83-Bi-195m



MAT 8284

Deuteron Charged Particle
0 Kelvin Cross Sections

83-Bi-195m

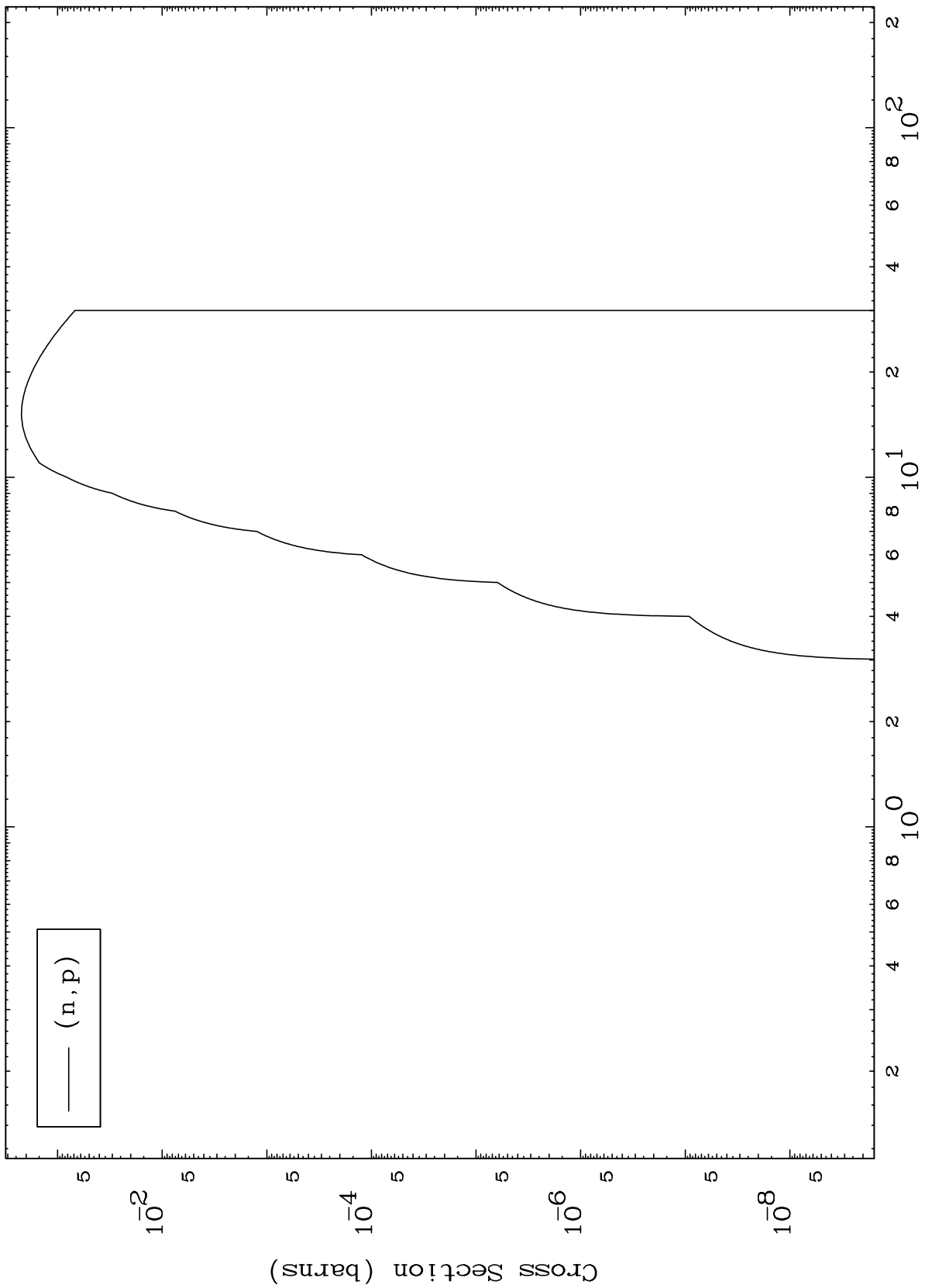


MAT 8284

(d,p) Levels

83-Bi-195m

0 Kelvin Cross Sections

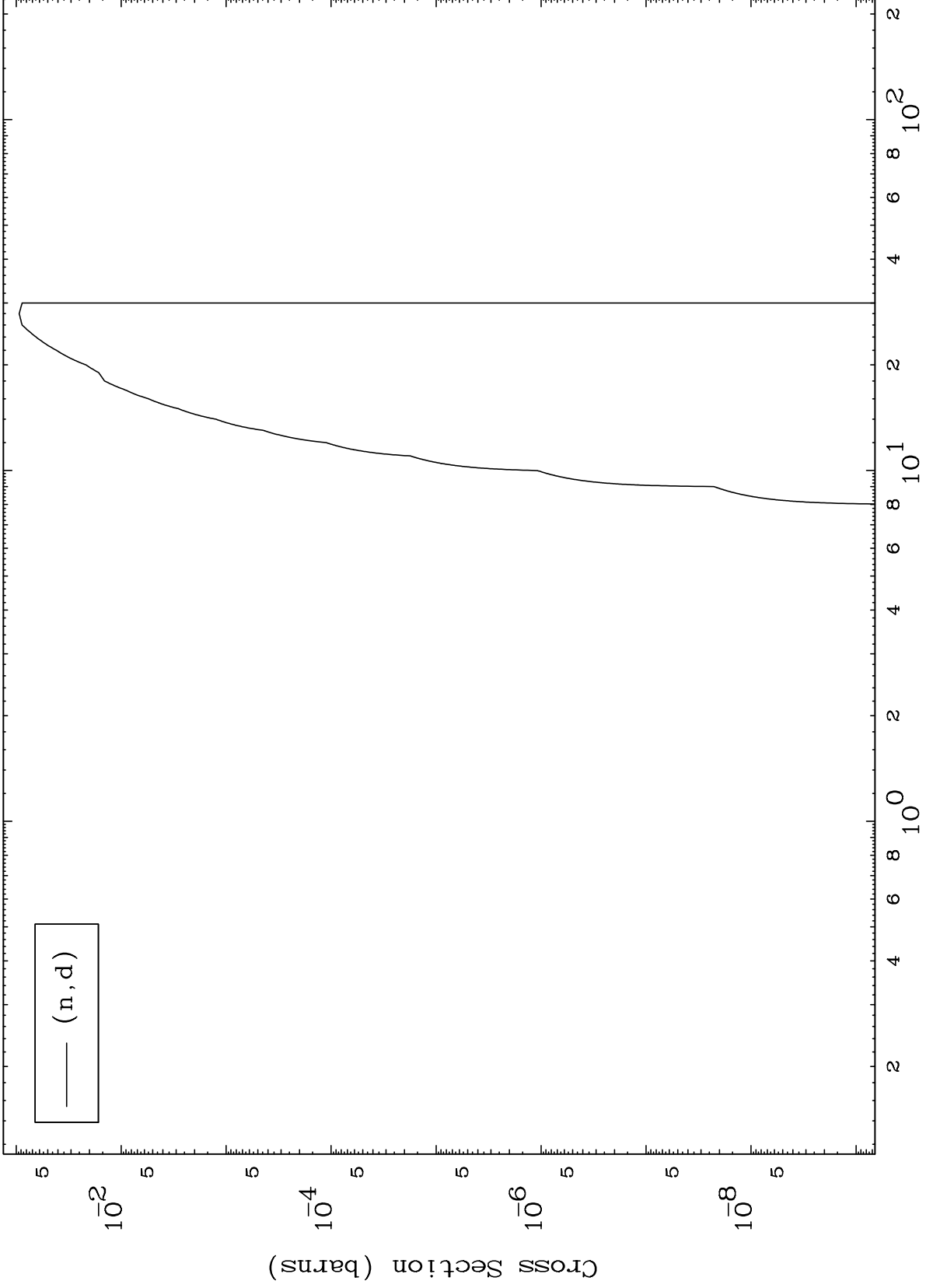


MAT 8284

(d,d) Levels

83-Bi-195m

0 Kelvin Cross Sections

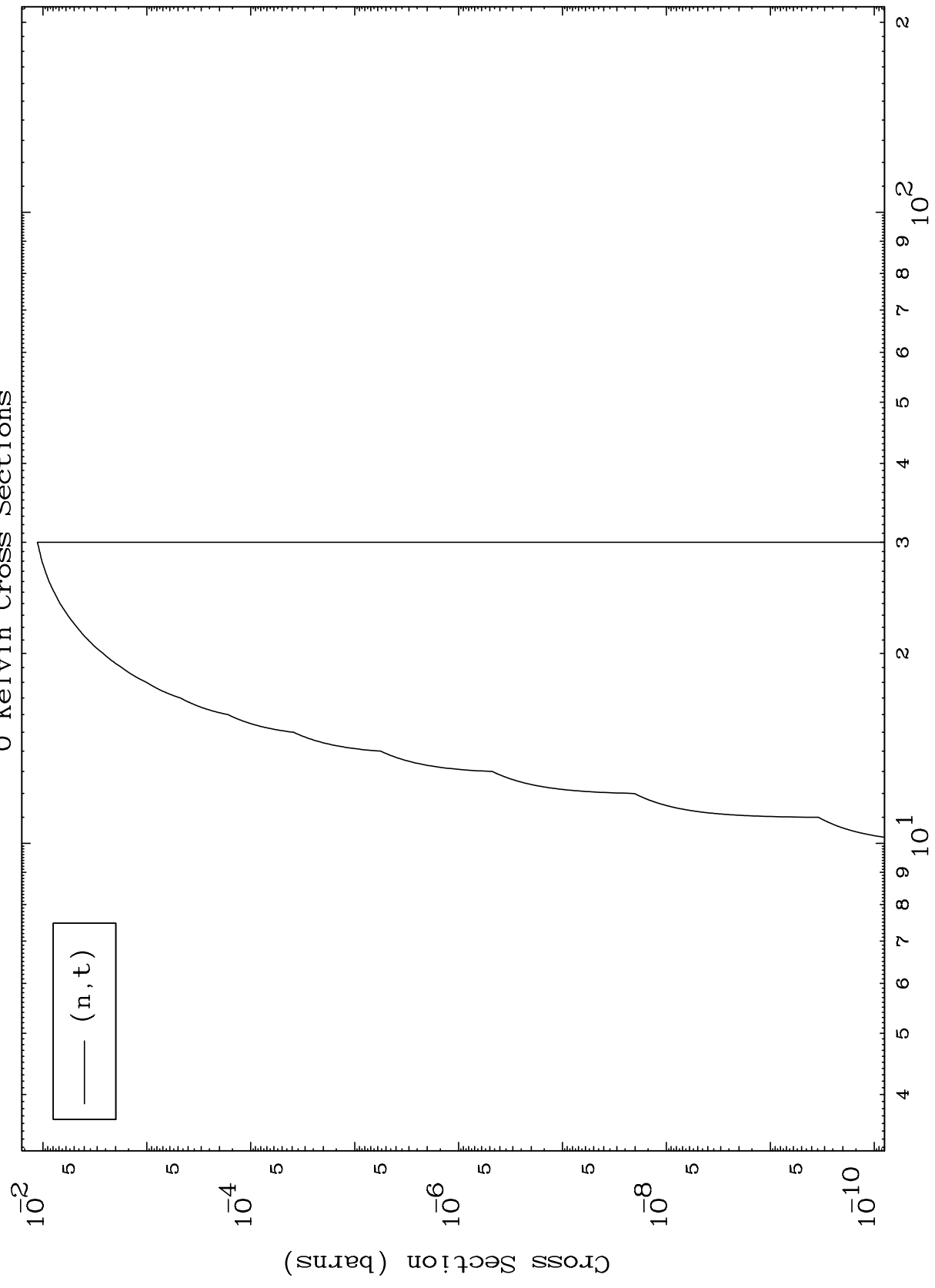


MAT 8284

(d,t) Levels

83-Bi-195m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

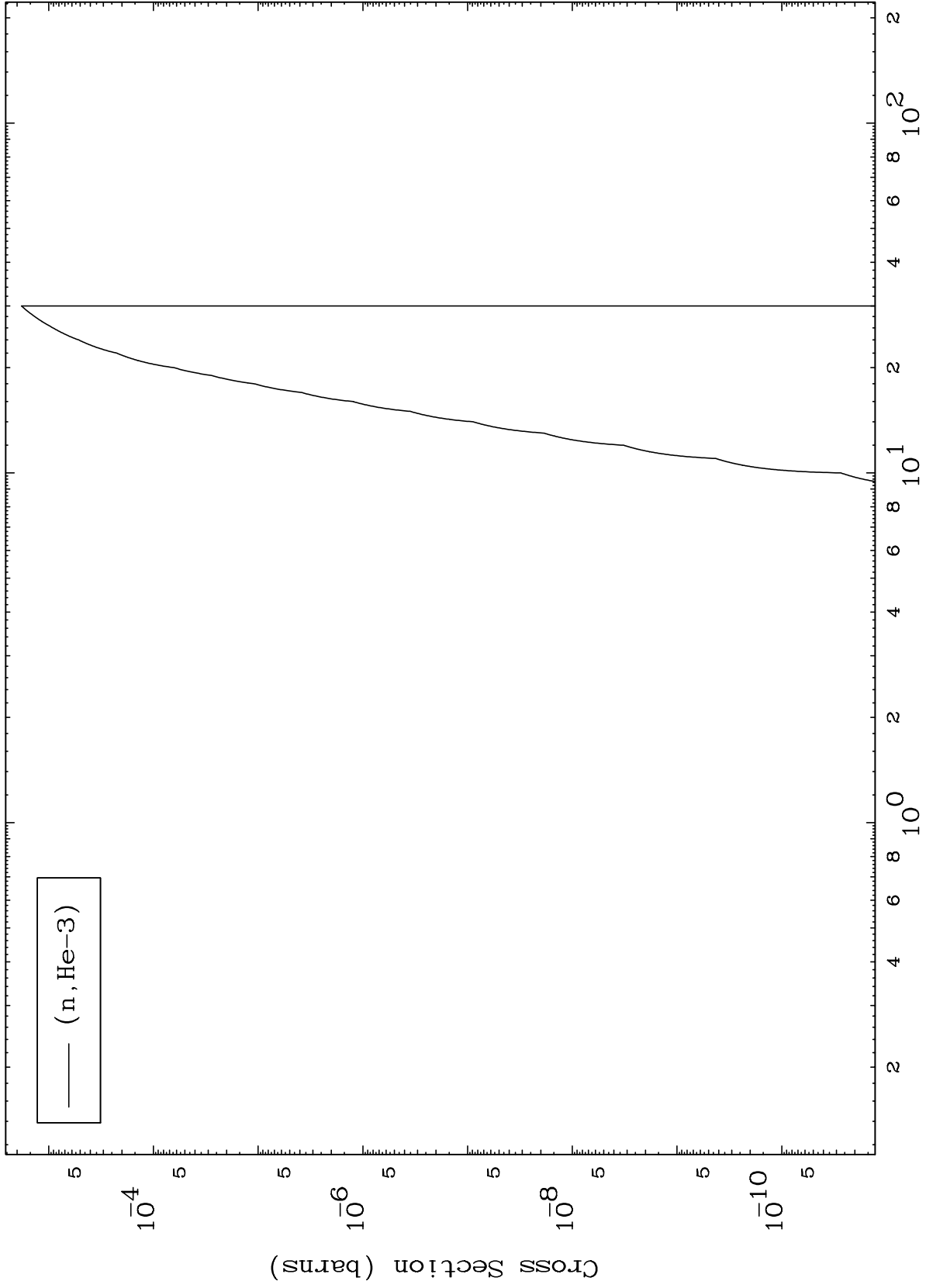
83-Bi-195m

MAT 8284

(d,He3) Levels

83-Bi-195m

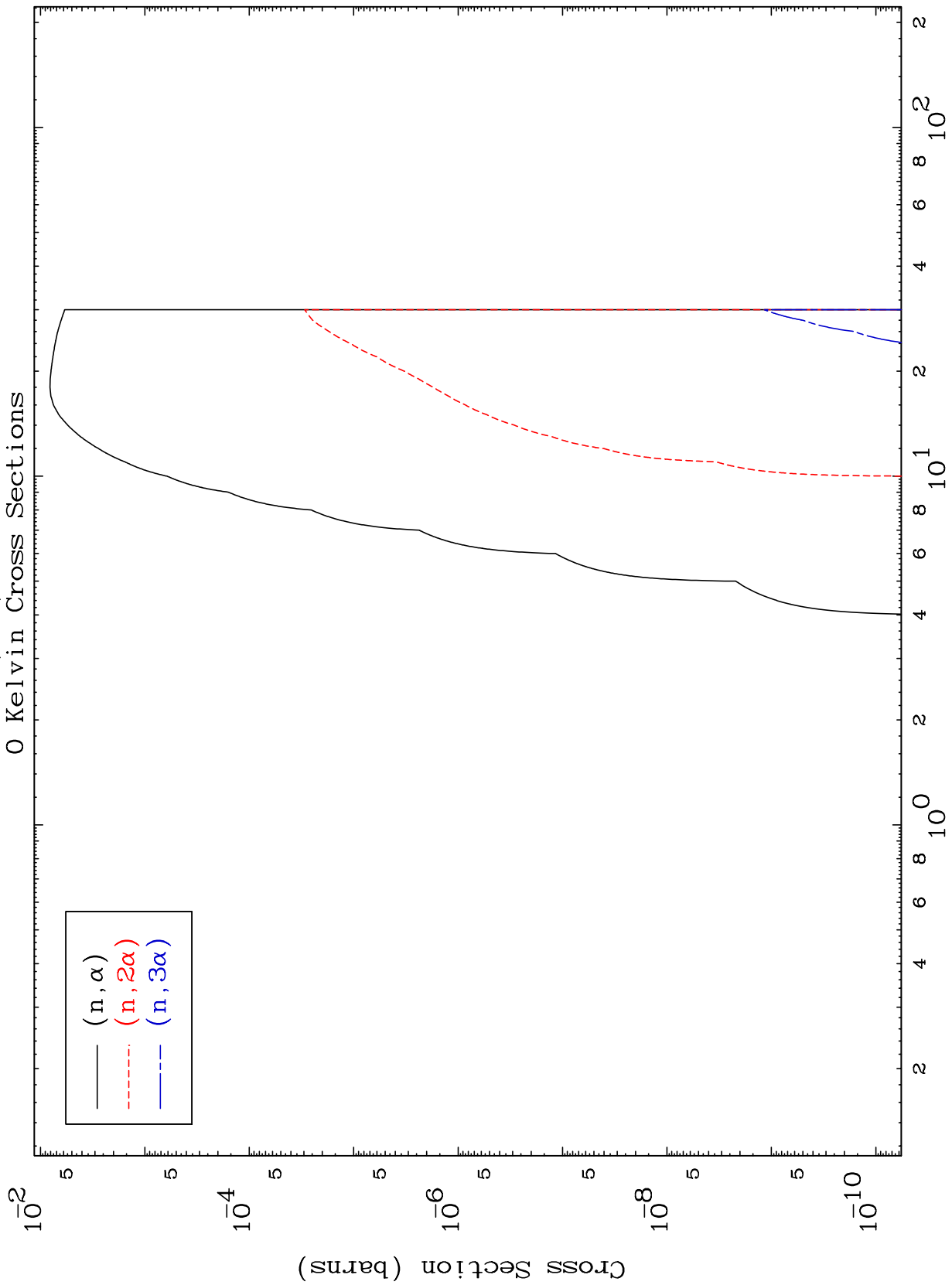
0 Kelvin Cross Sections



MAT 8284

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

(d, α) Levels
0 Kelvin Cross Sections



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

Incident Energy (MeV)

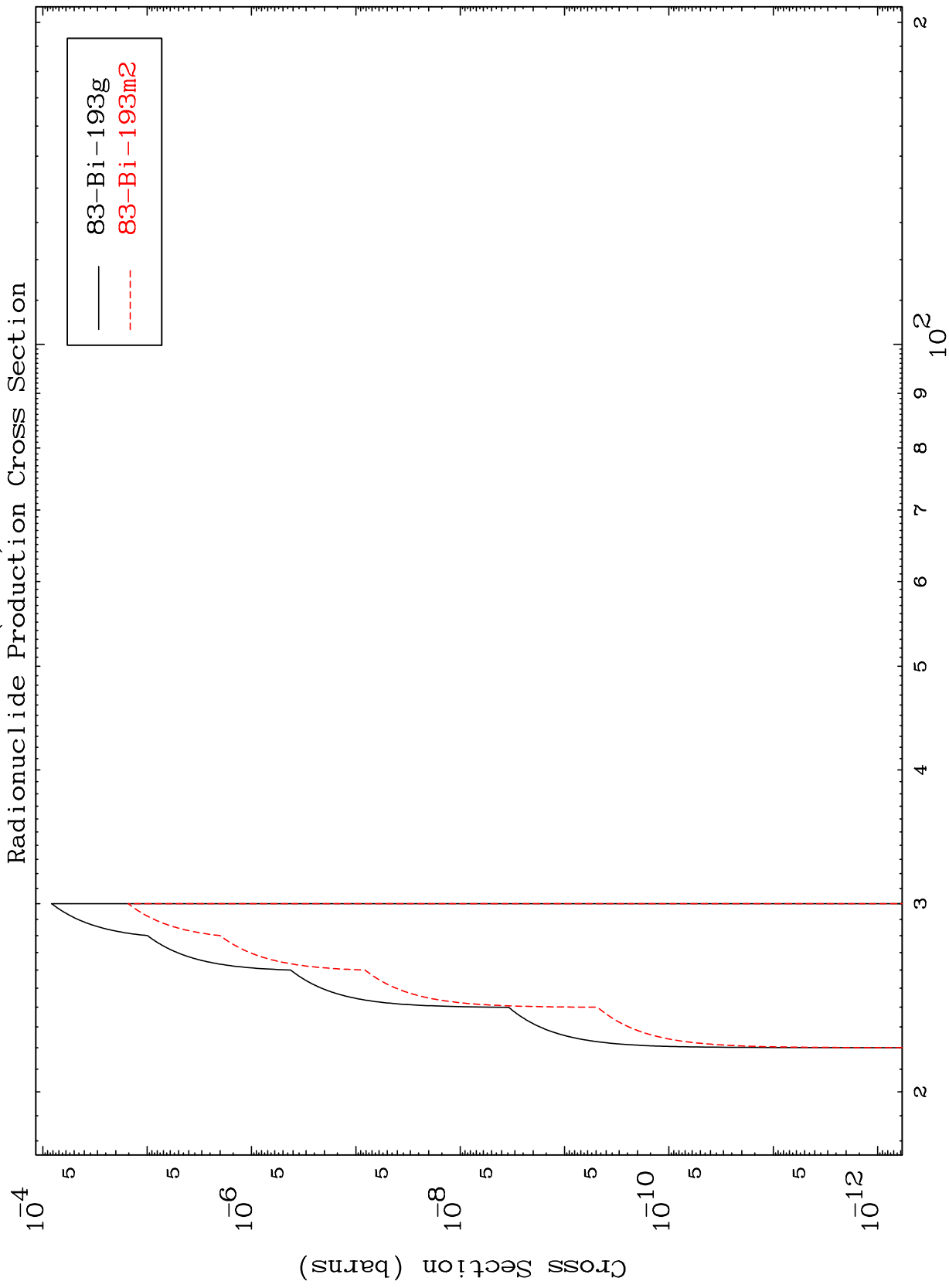
12

MAT 8284

(n,2n) d

83-Bi-195m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

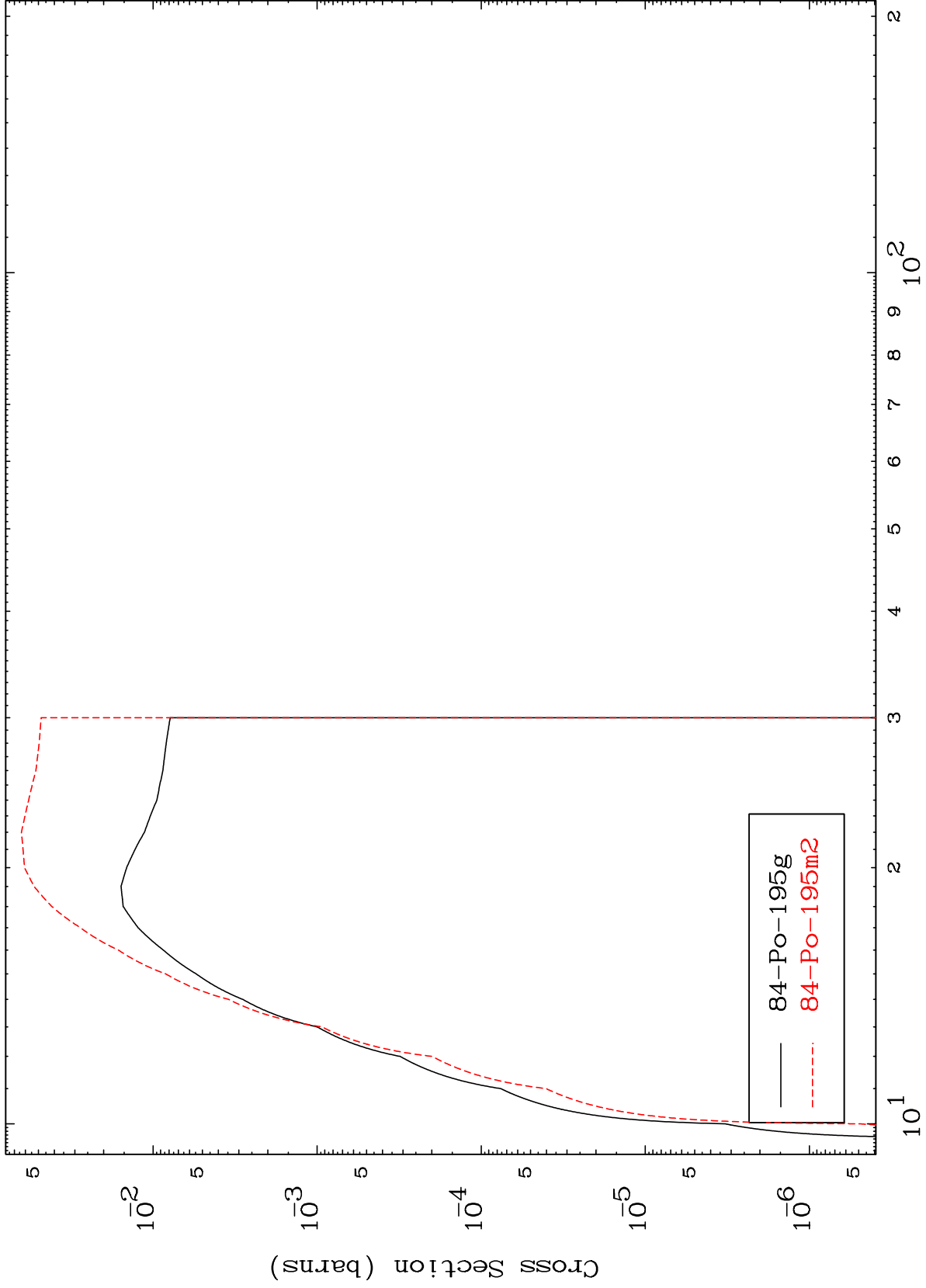
83-Bi-195m

MAT 8284

(n,2n)

83-Bi-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

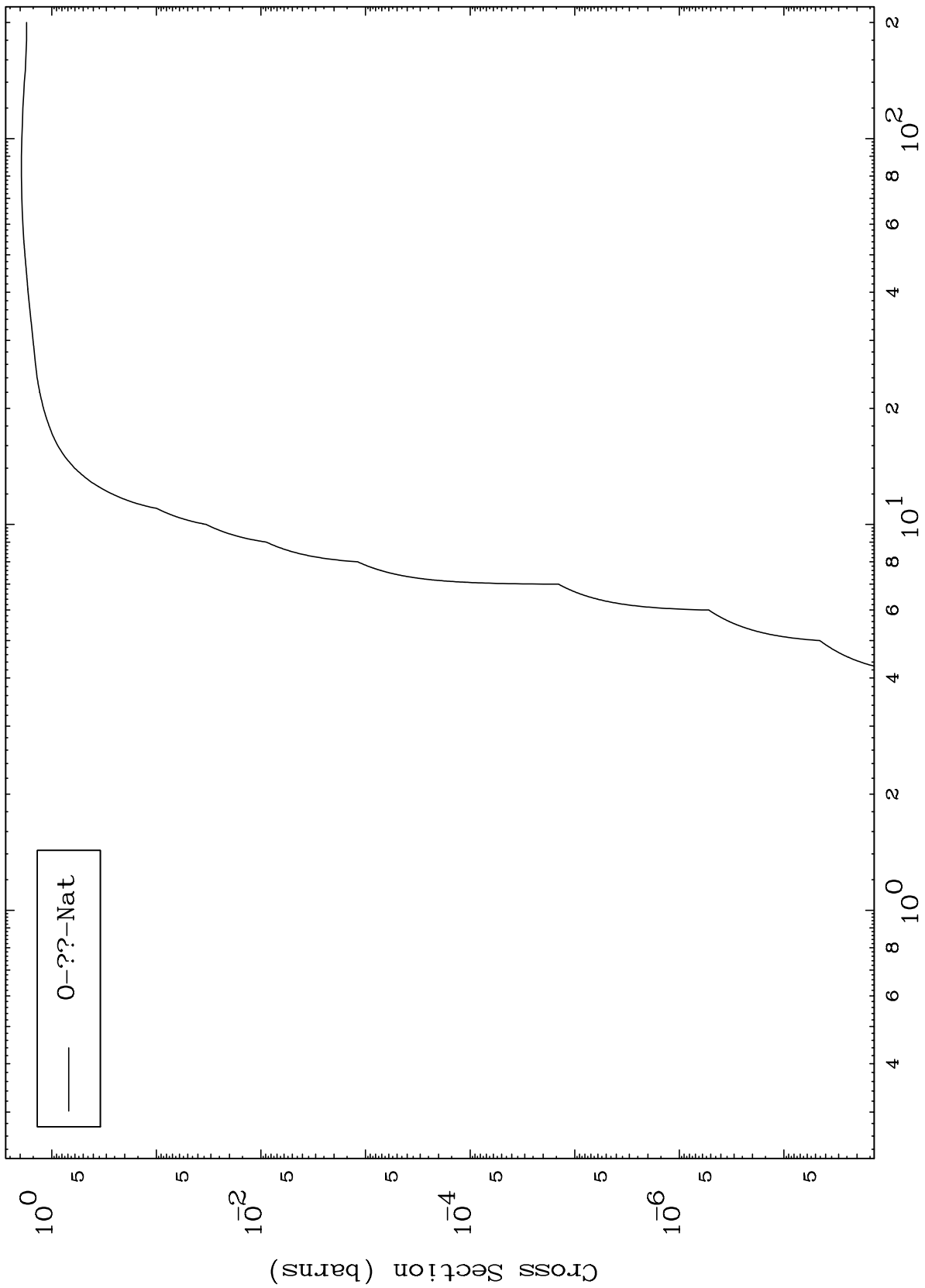
83-Bi-195m

14

MAT 8284

83-Bi-195m

Fission
Radionuclide Production Cross Section

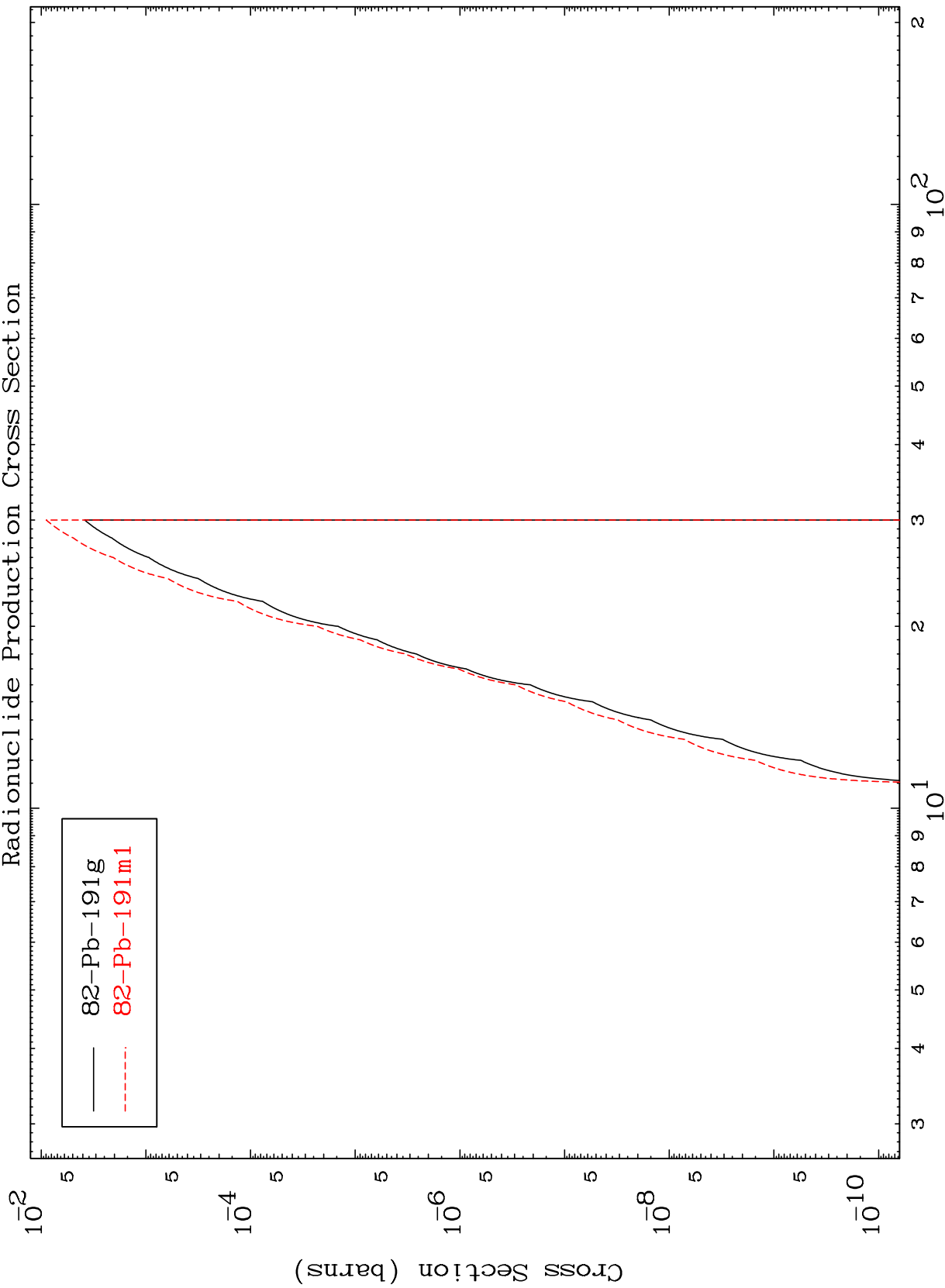


MAT 8284

$(n,2n) \alpha$

83-Bi-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-195m

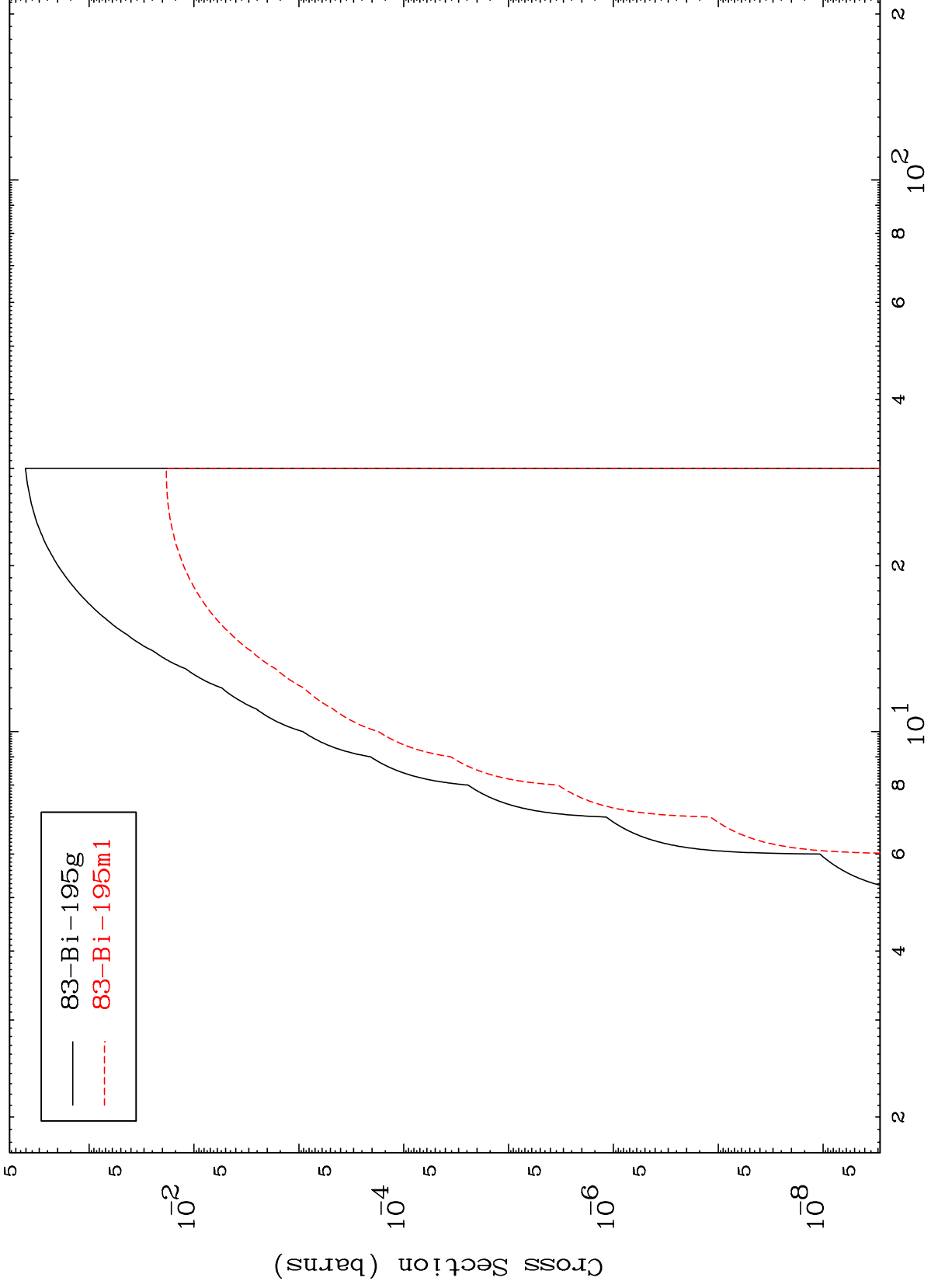
16

MAT 8284

(n,n') p

83-Bi-195m

Radionuclide Production Cross Section



17

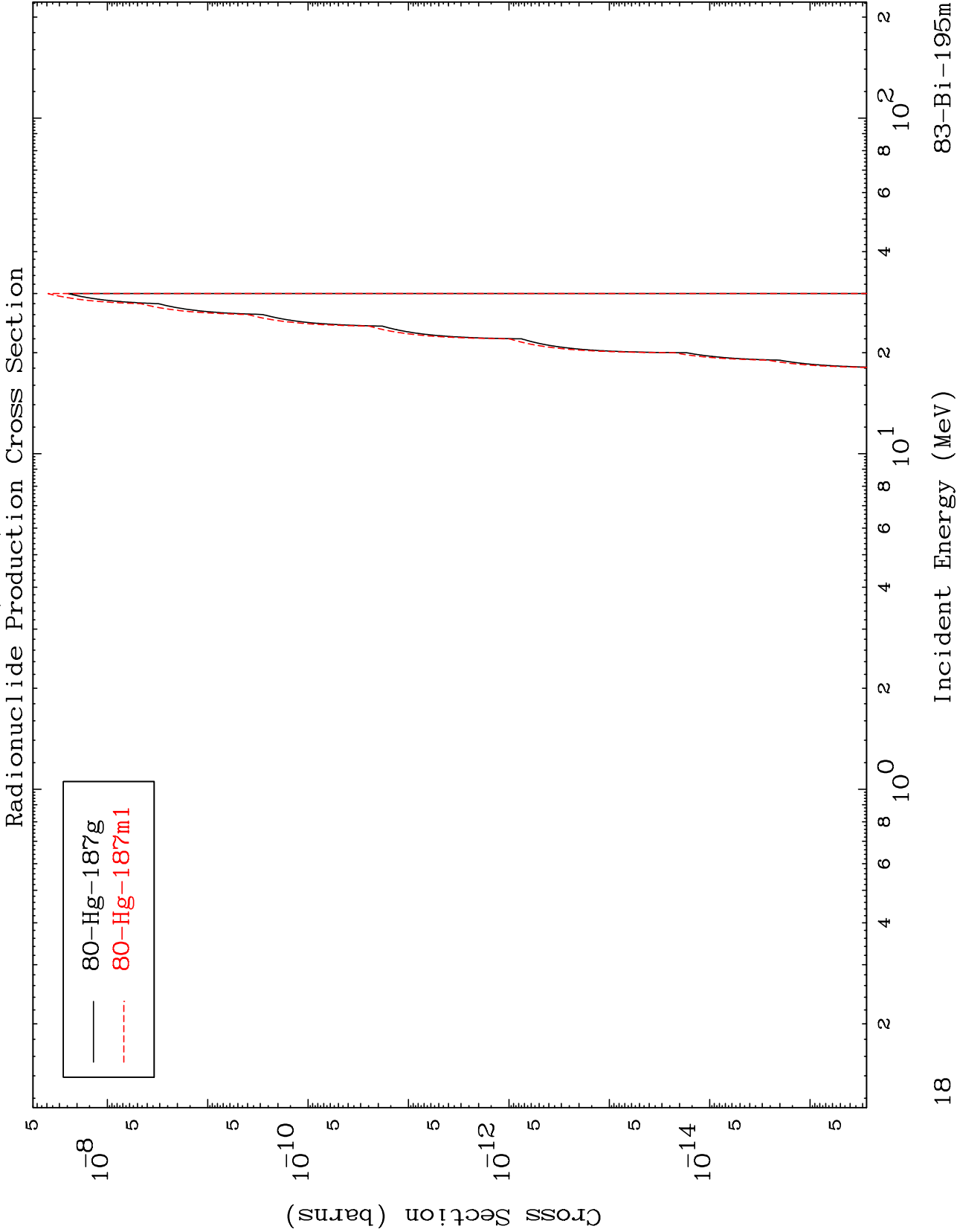
Incident Energy (MeV)

83-Bi-195m

MAT 8284

(n,2n) 2α

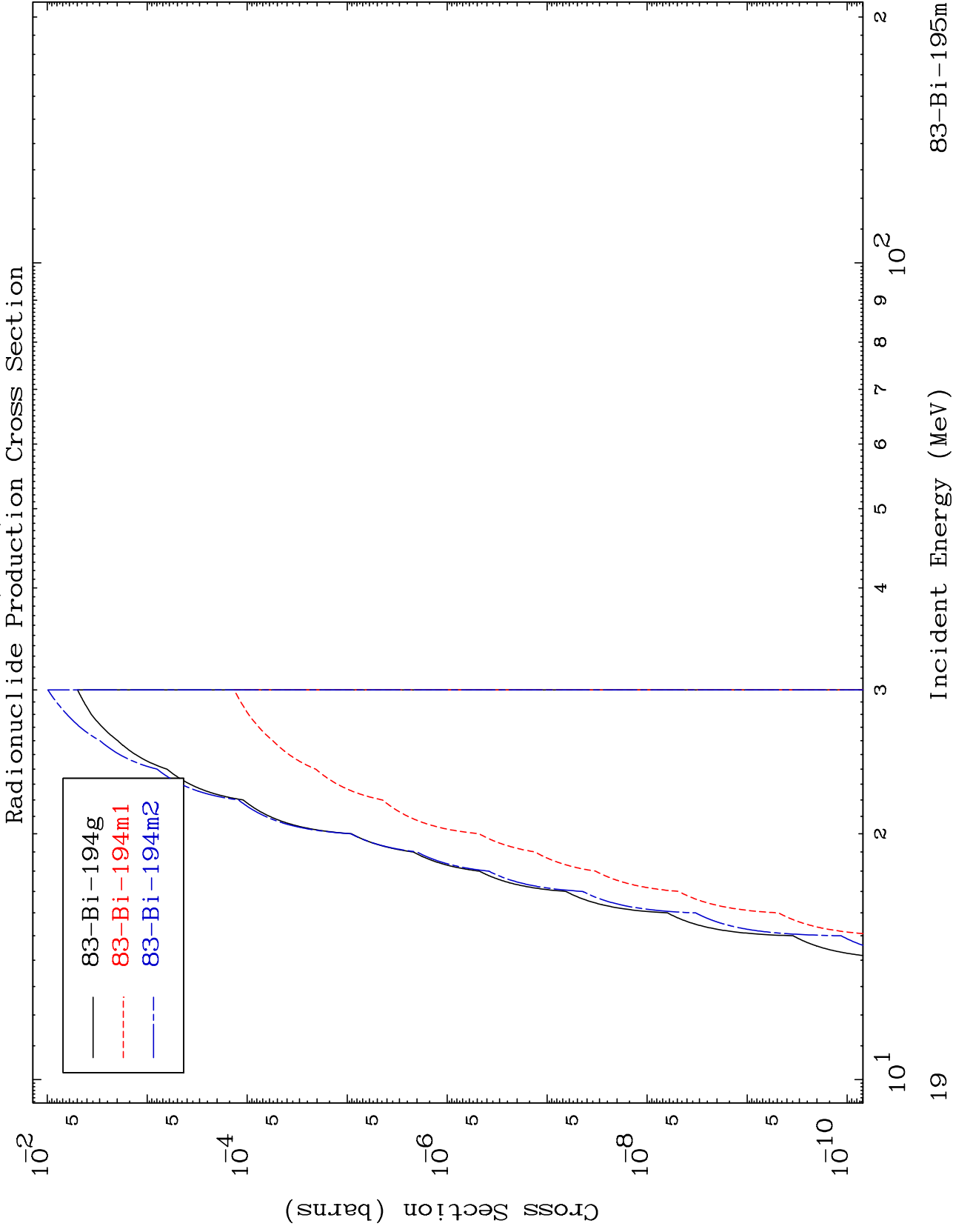
83-Bi-195m



MAT 8284

(n,n') d

⁸³Bi-195m



19

Incident Energy (MeV)

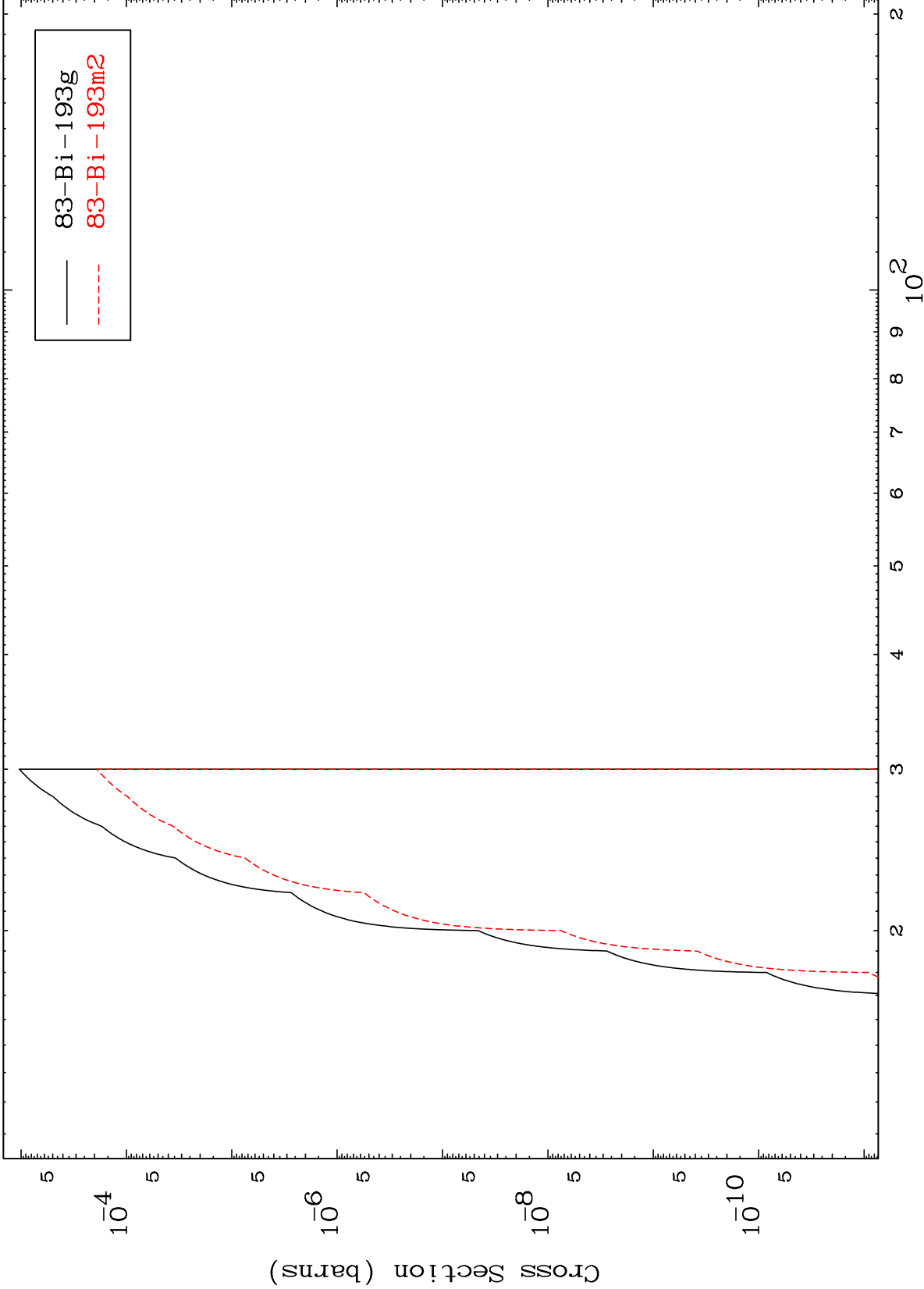
⁸³Bi-195m

MAT 8284

(n,n') t

83-Bi-195m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

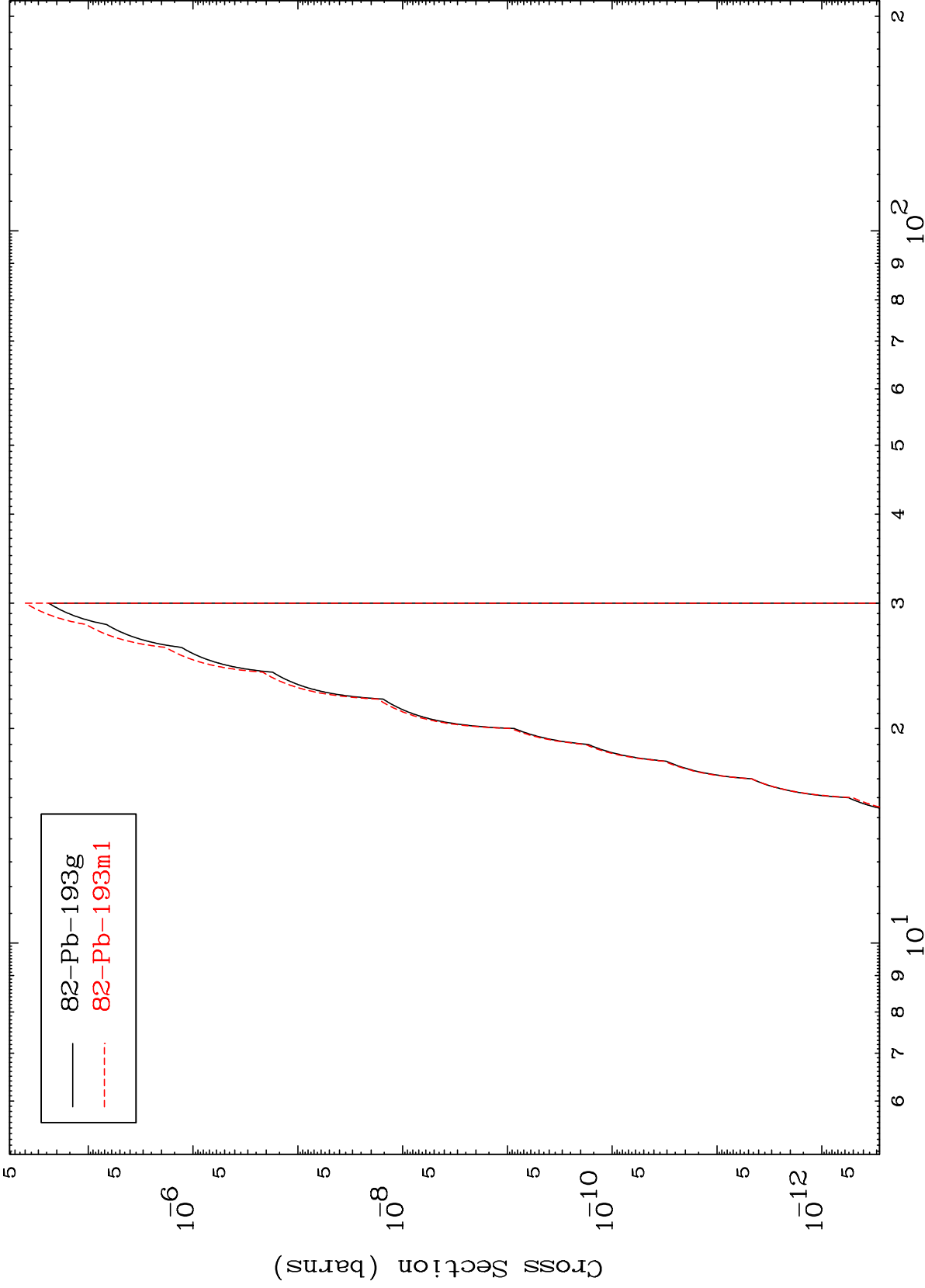
83-Bi-195m

MAT 8284

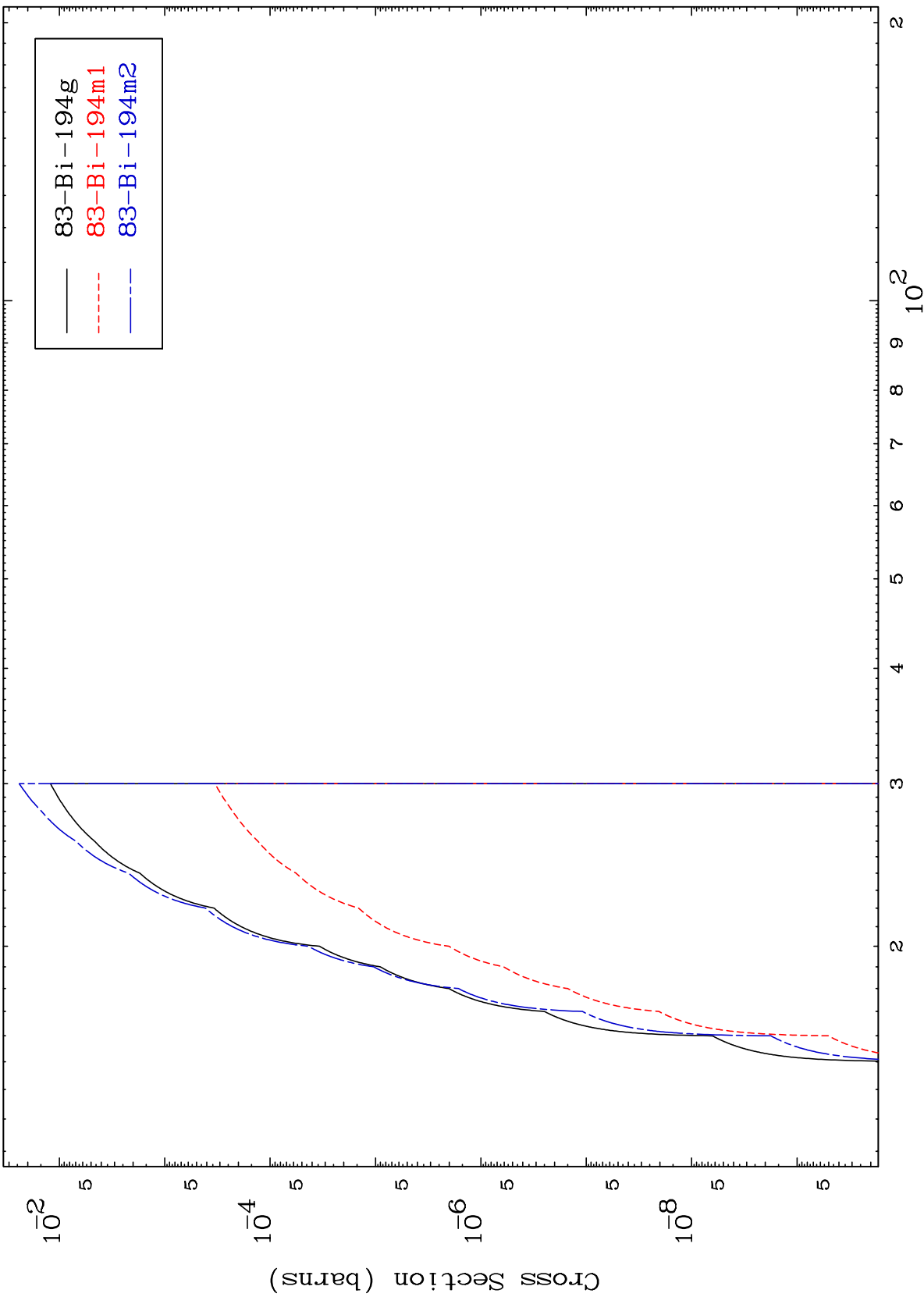
(n,n') He-3

83-Bi-195m

Radionuclide Production Cross Section



Radionuclide Production Cross Section



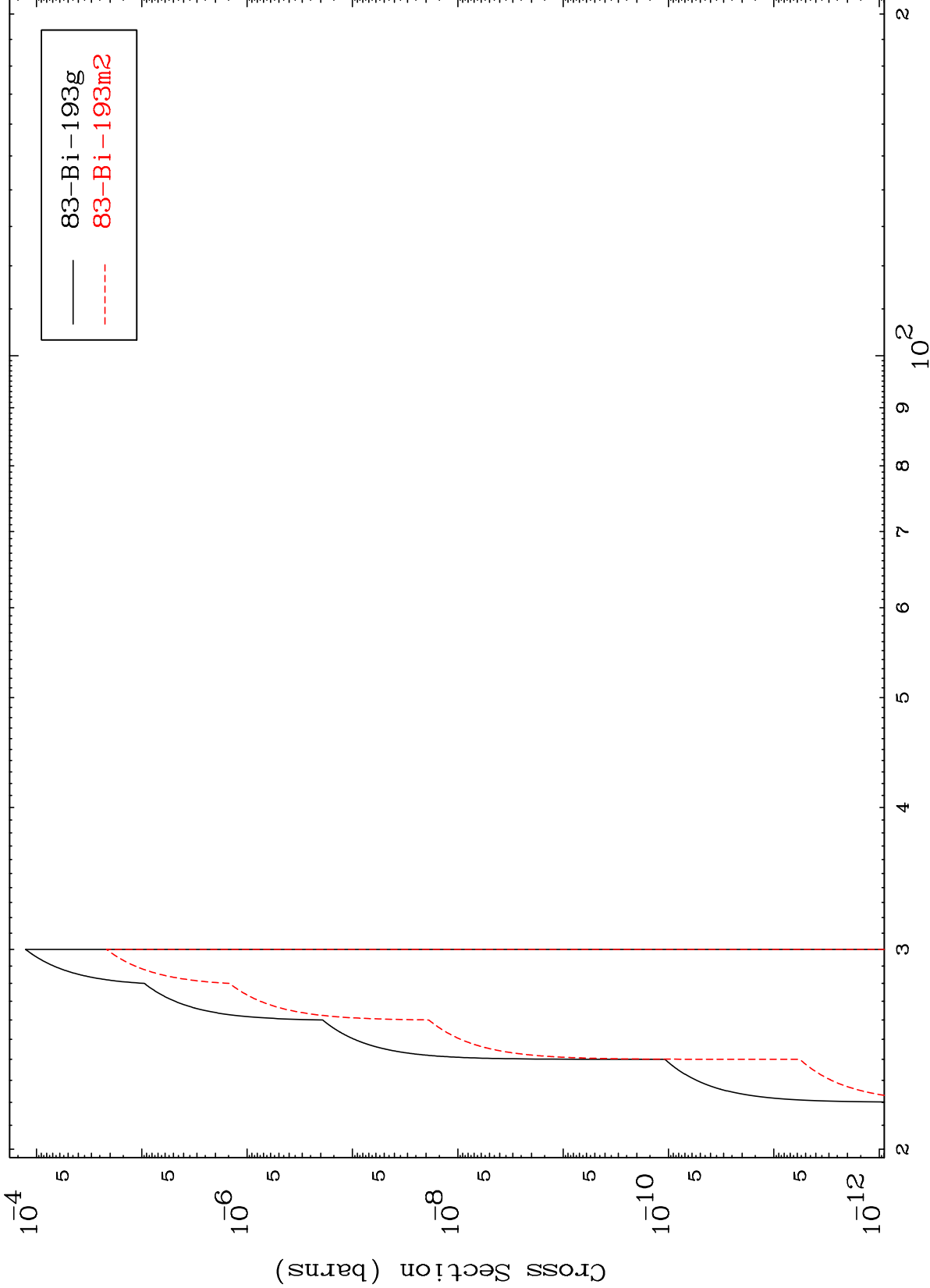
83-Bi-194g
83-Bi-194m1
83-Bi-194m2

MAT 8284

(n,3n) p

83-Bi-195m

Radionuclide Production Cross Section



83-Bi-193g
83-Bi-193m2

23

Incident Energy (MeV)

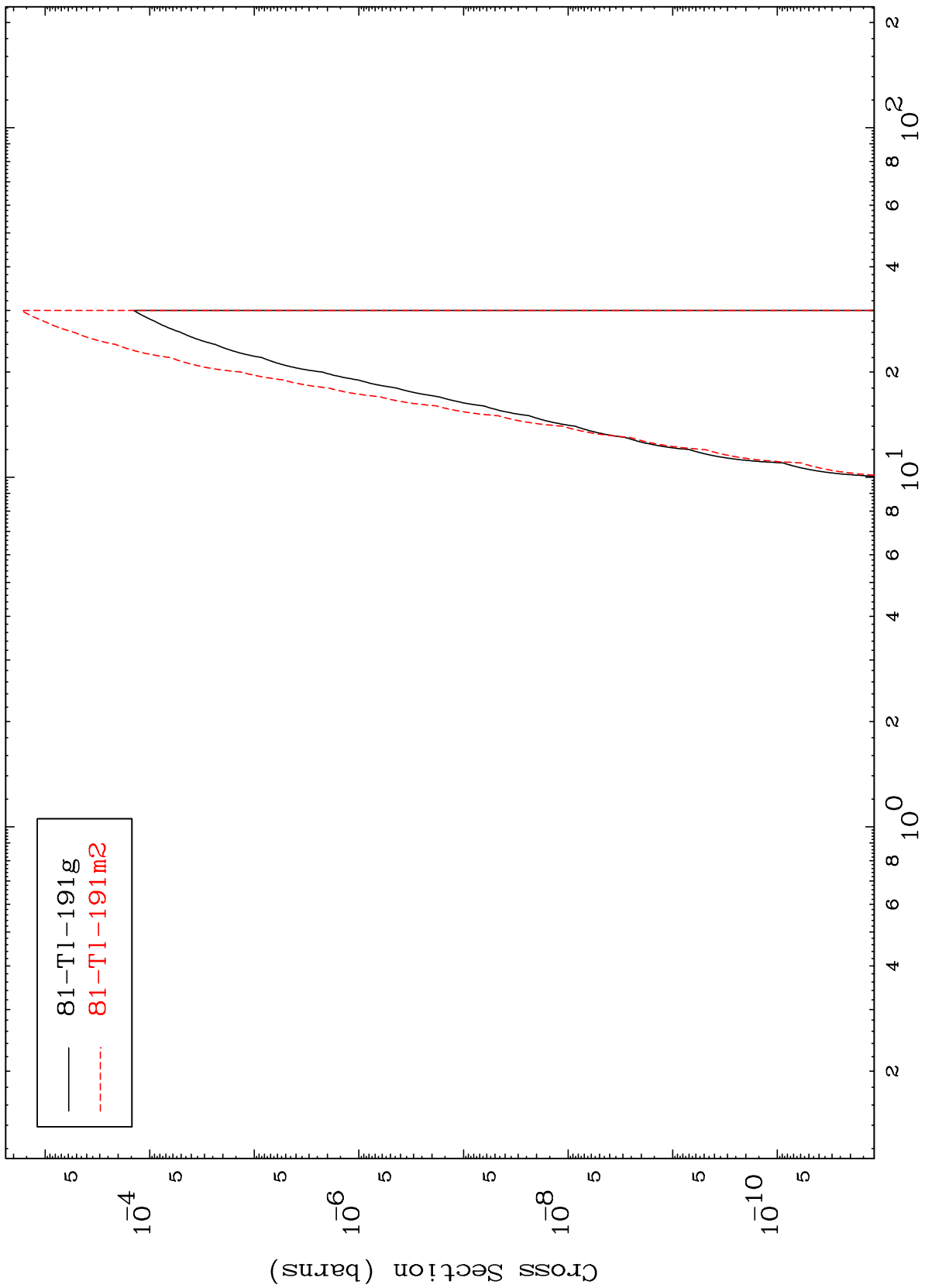
83-Bi-195m

MAT 8284

(n,n') p α

83-Bi-195m

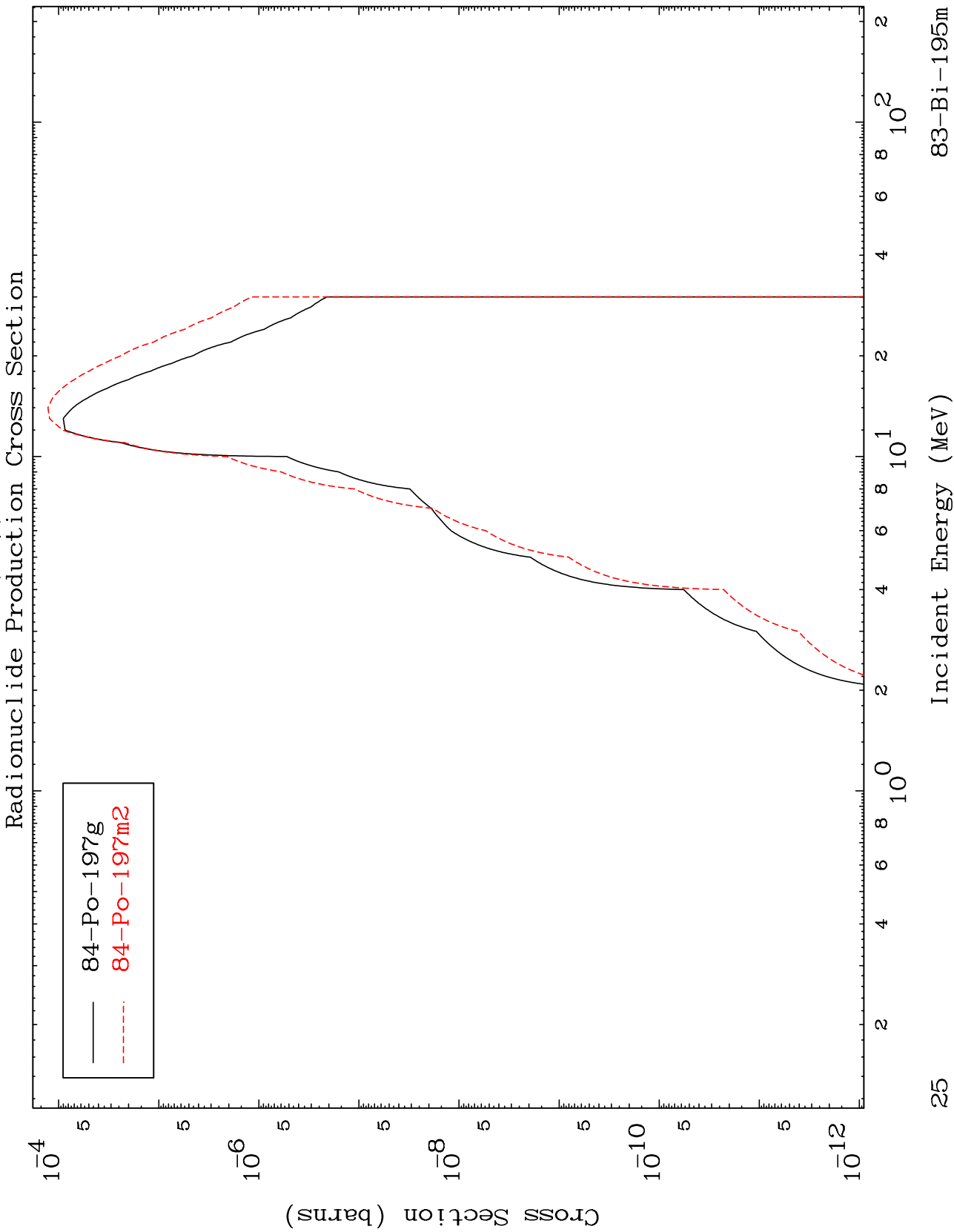
Radionuclide Production Cross Section



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

MAT 8284

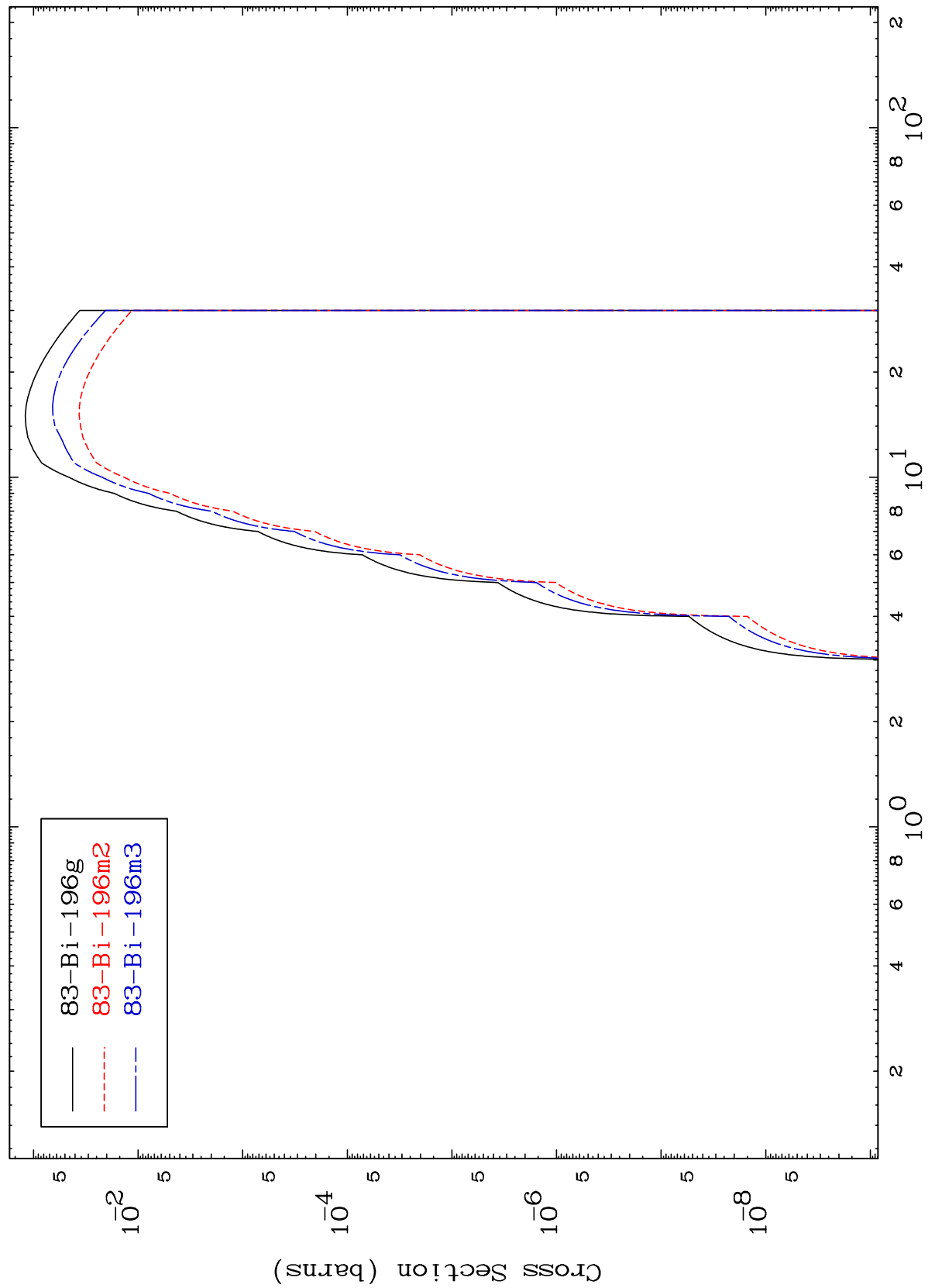
83-Bi-195m



MAT 8284

⁸³Bi-195m

(n,p)
Radionuclide Production Cross Section



83-Bi-196g
83-Bi-196m2
83-Bi-196m3

⁸³Bi-195m

Incident Energy (MeV)

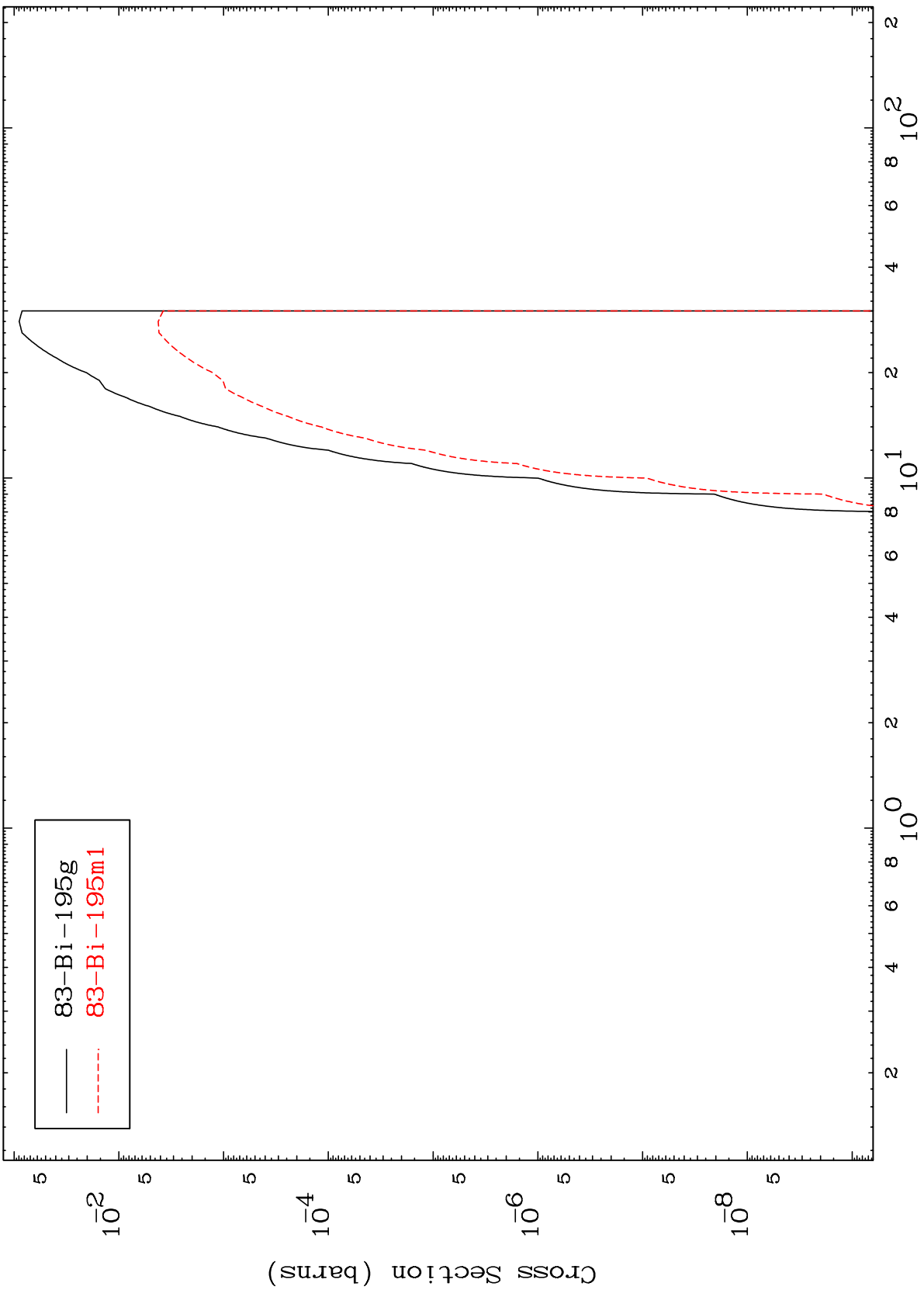
26

MAT 8284

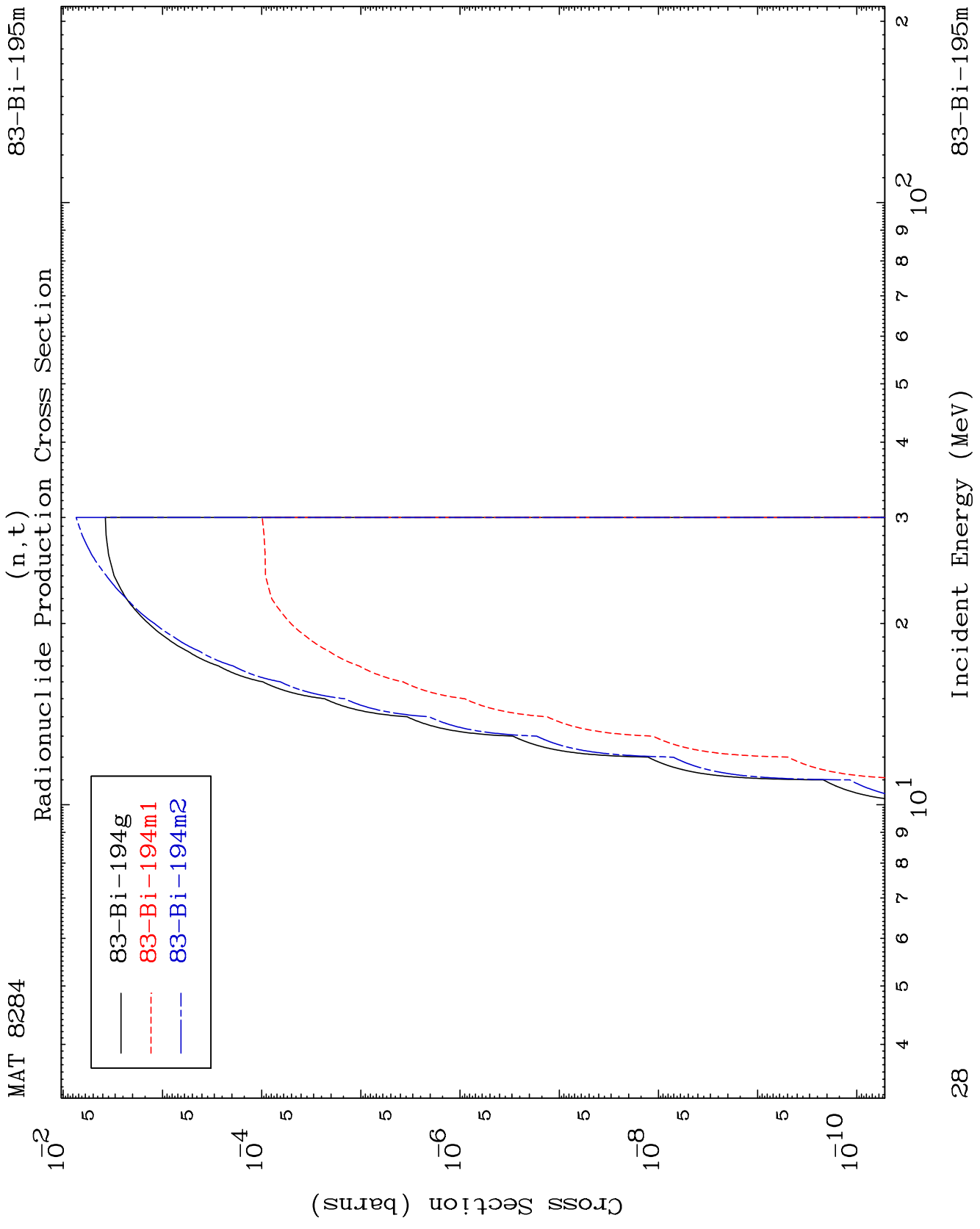
(n,d)

⁸³Bi-195m

Radionuclide Production Cross Section

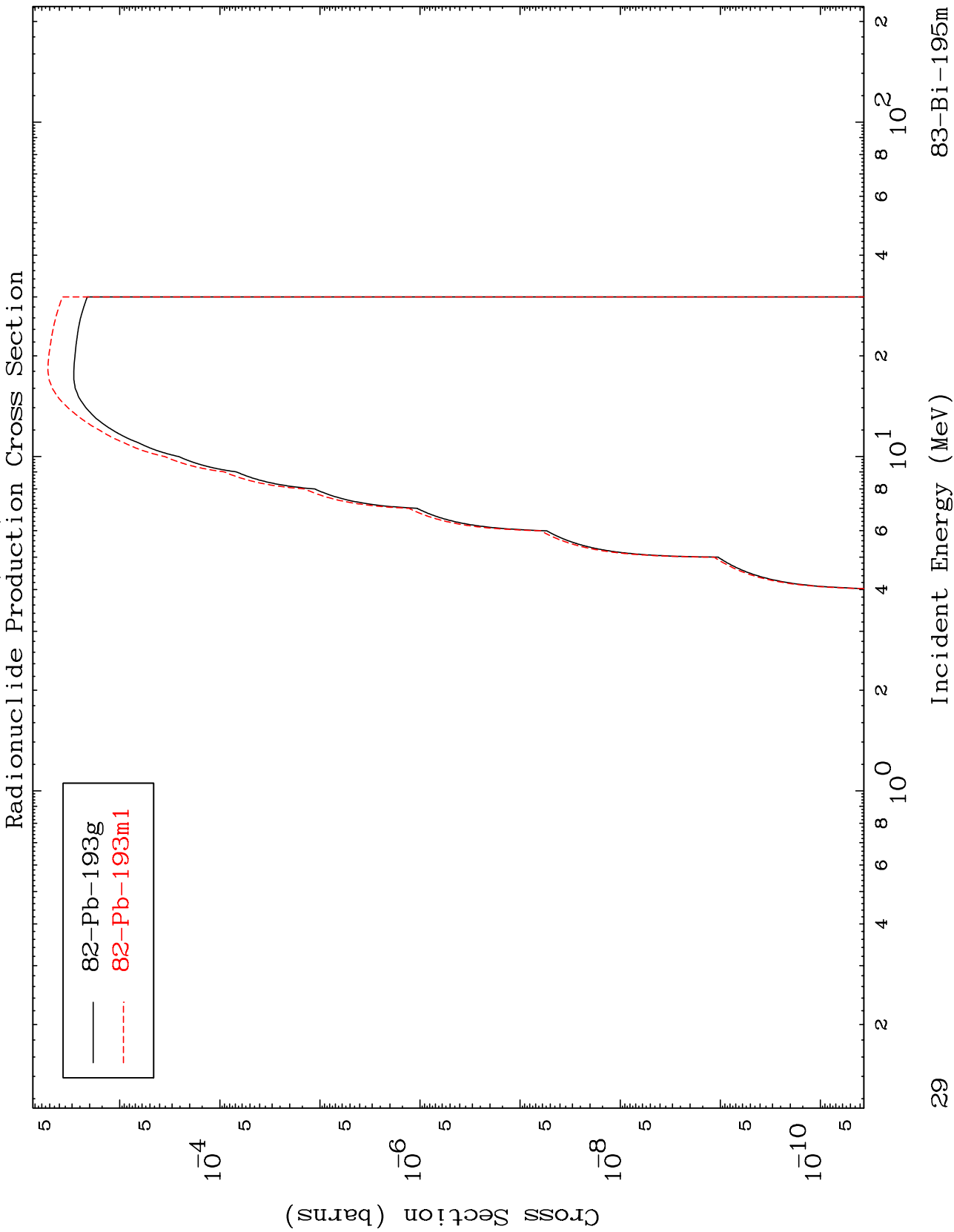


— 83-Bi-195g
- - - 83-Bi-195m1



MAT 8284

⁸³Bi-195m

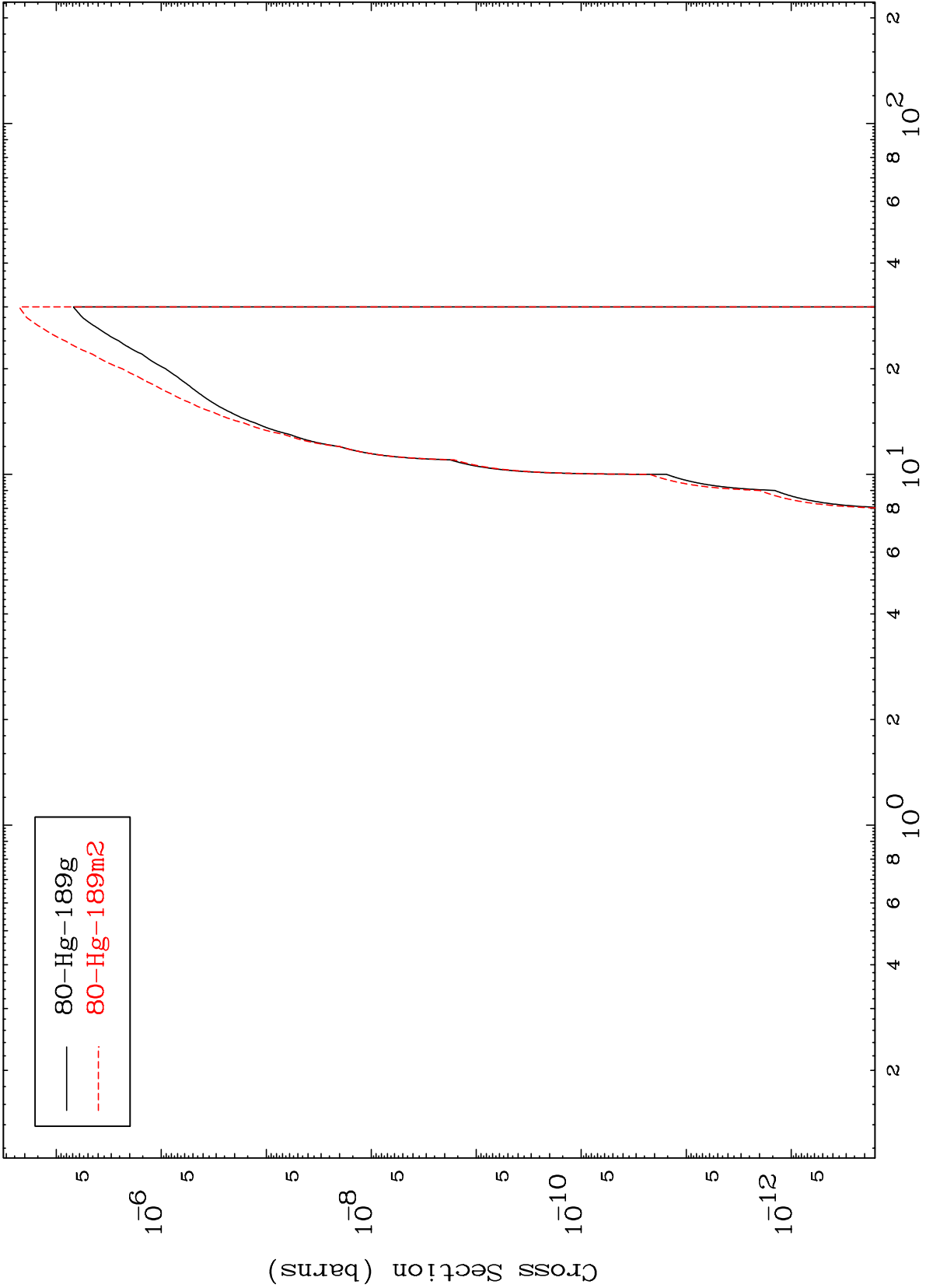


MAT 8284

(n,2α)

83-Bi-195m

Radionuclide Production Cross Section

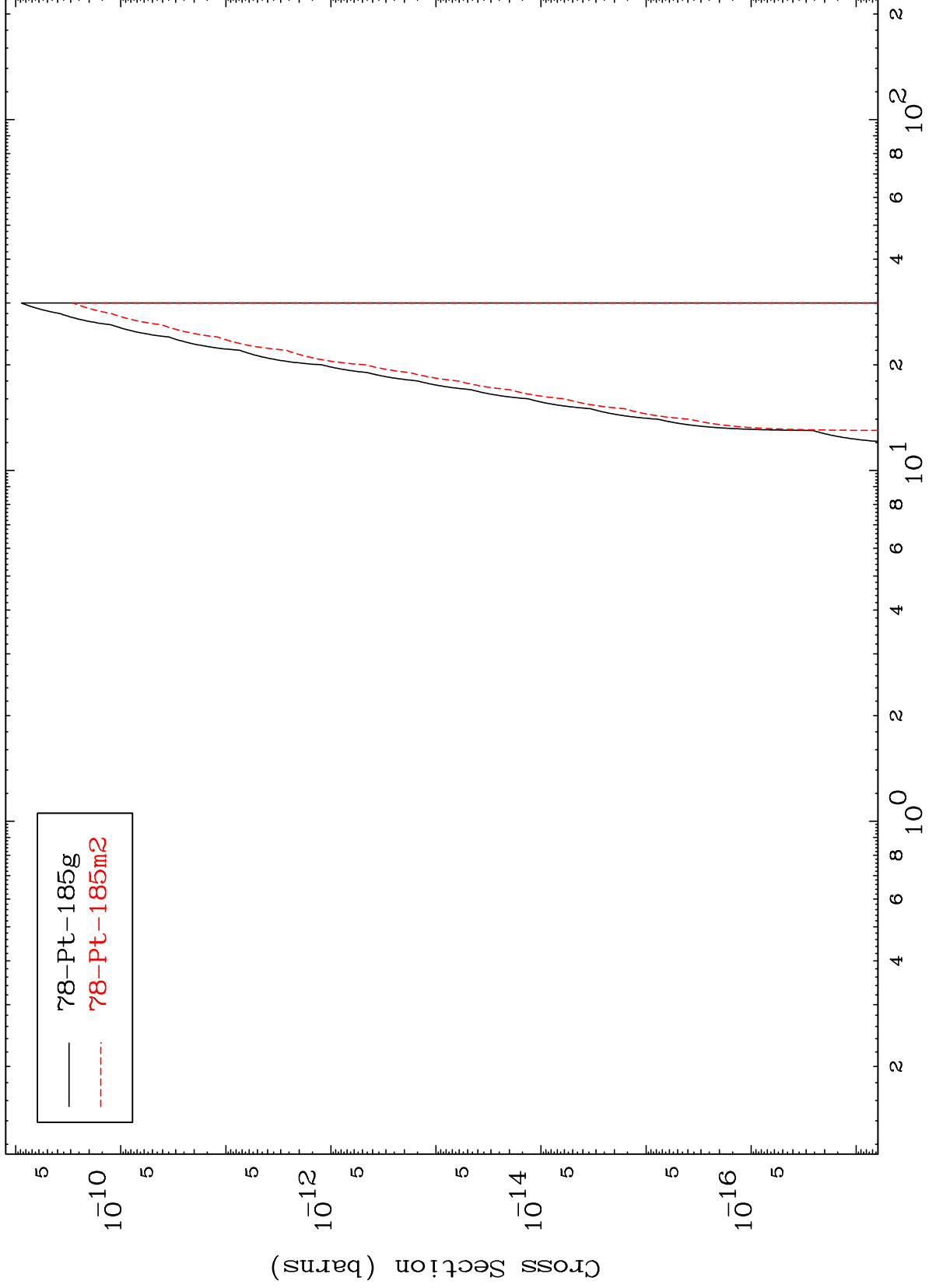


MAT 8284

(n, 3 α)

83-Bi-195m

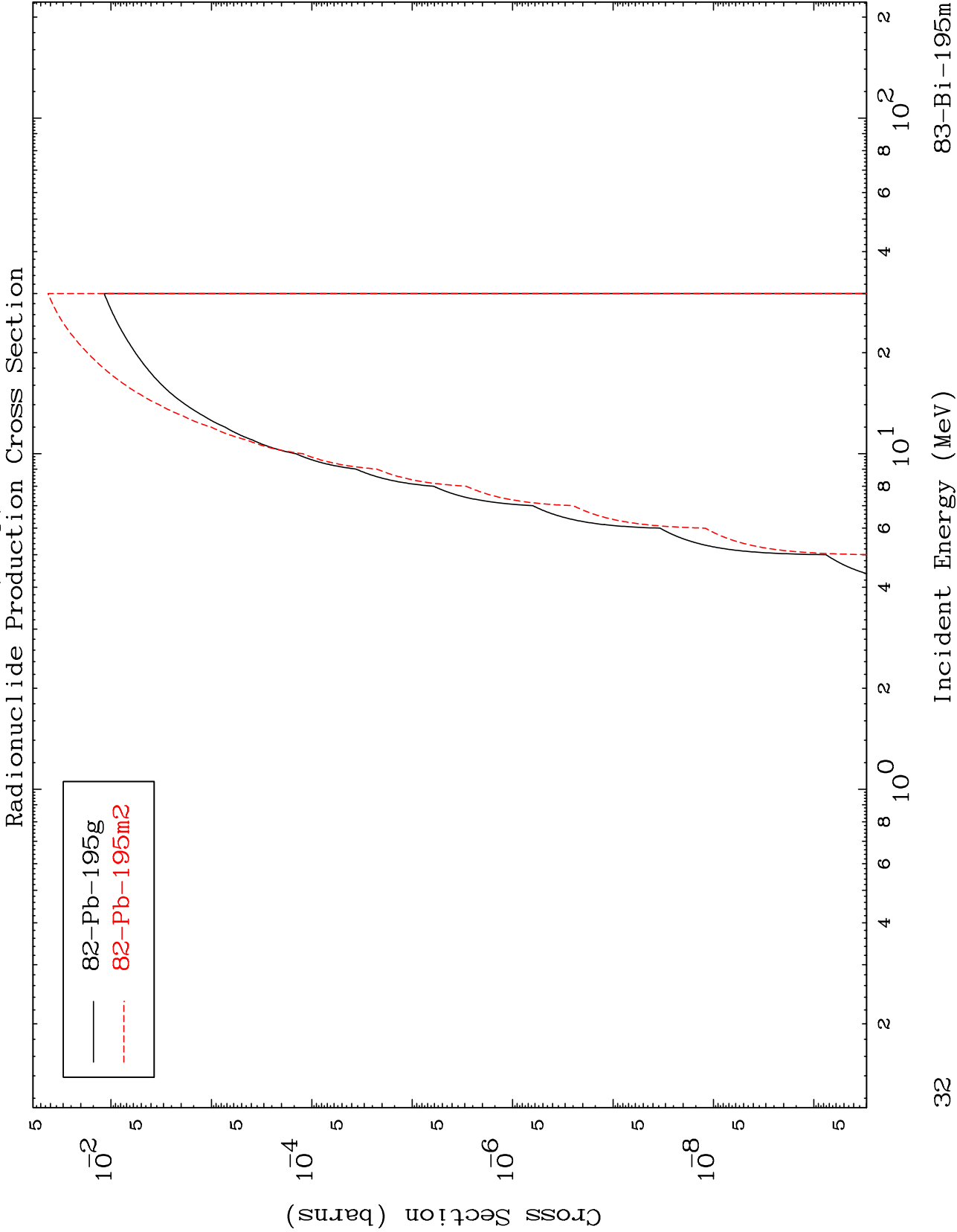
Radionuclide Production Cross Section



MAT 8284

(n,2p)

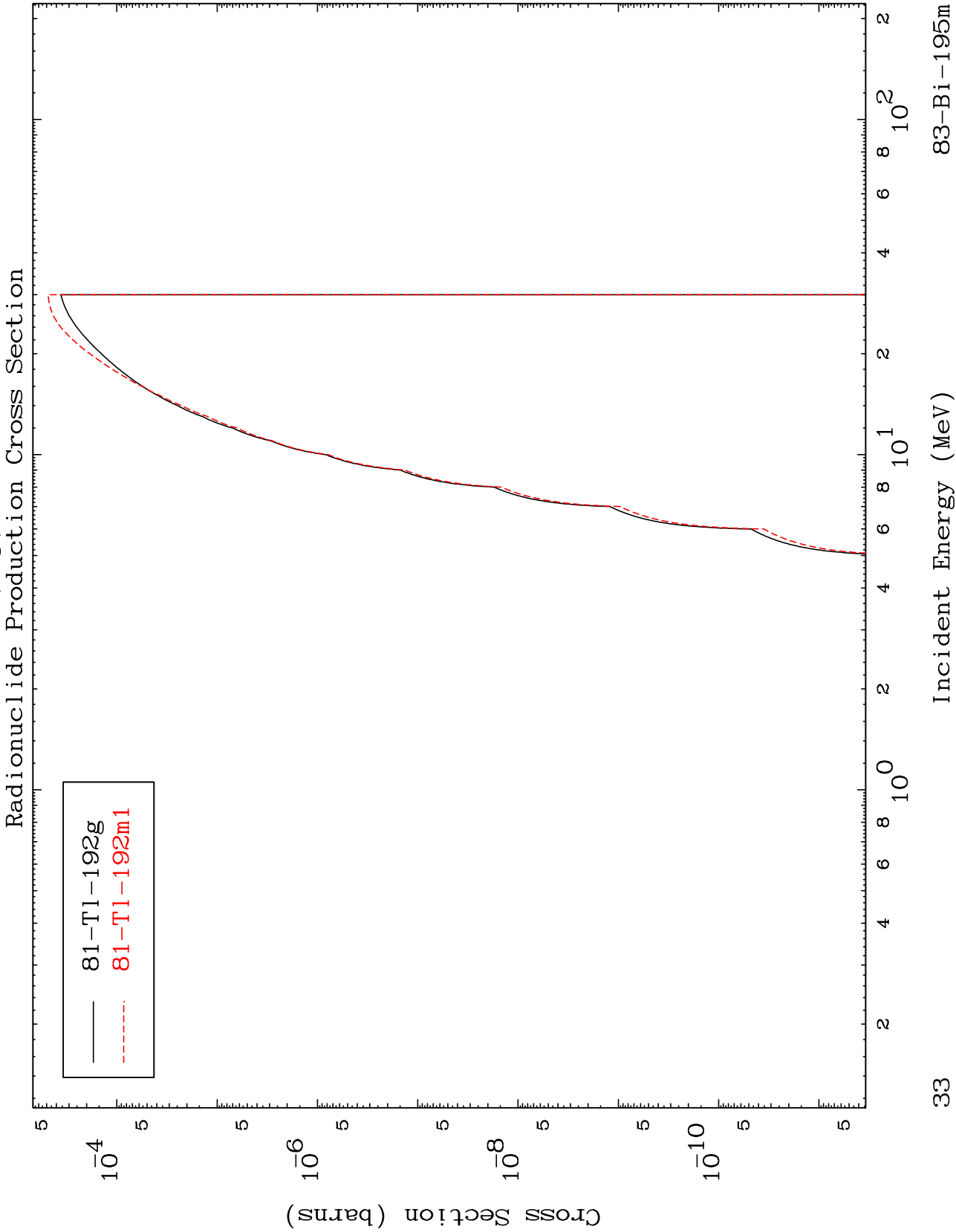
83-Bi-195m



MAT 8284

(n,p) α

83-Bi-195m

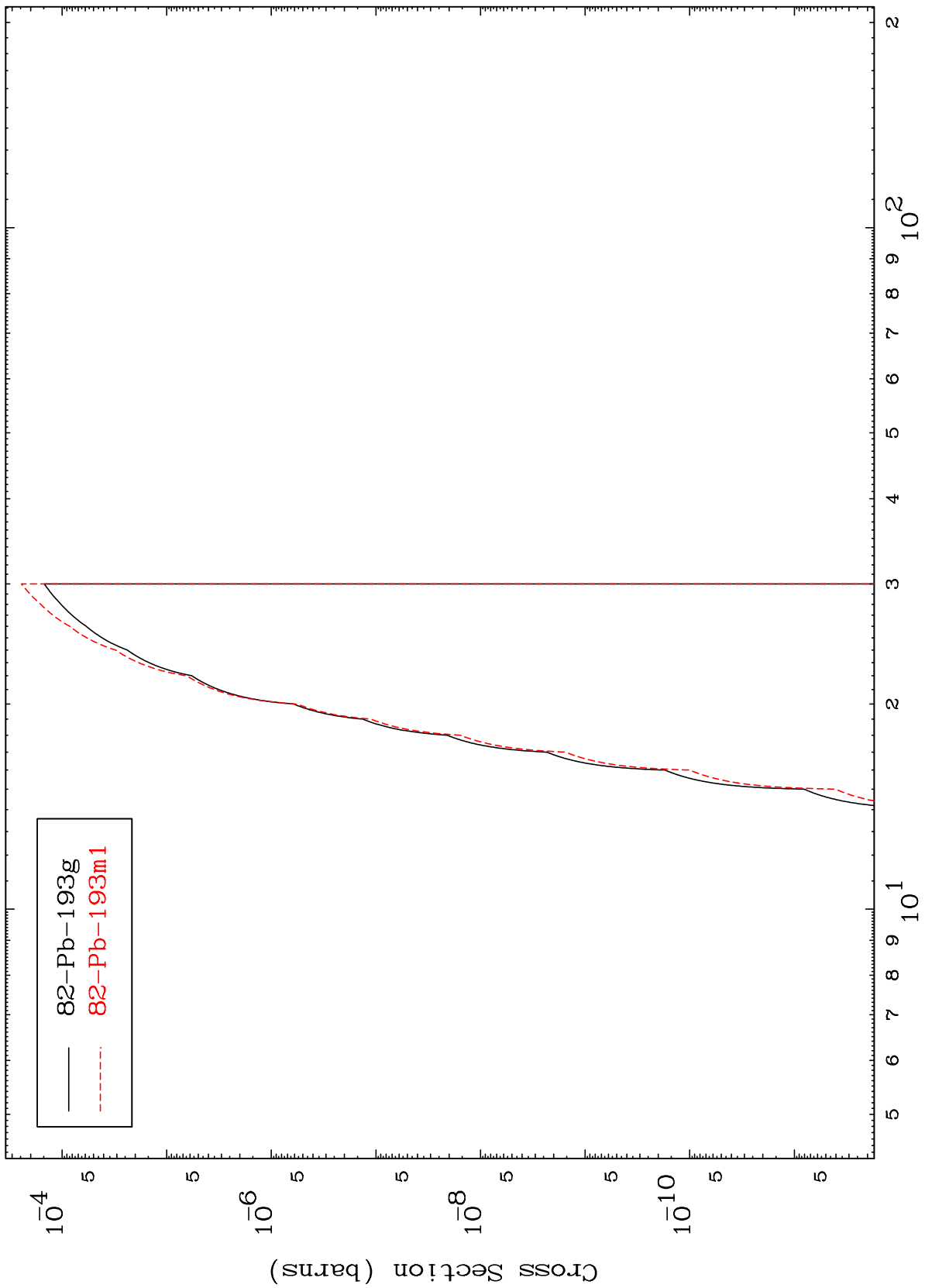


MAT 8284

(n,p) t

83-Bi-195m

Radionuclide Production Cross Section



34

Incident Energy (MeV)

83-Bi-195m

MAT 8284

(n,d) α

83-Bi-195m

