

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

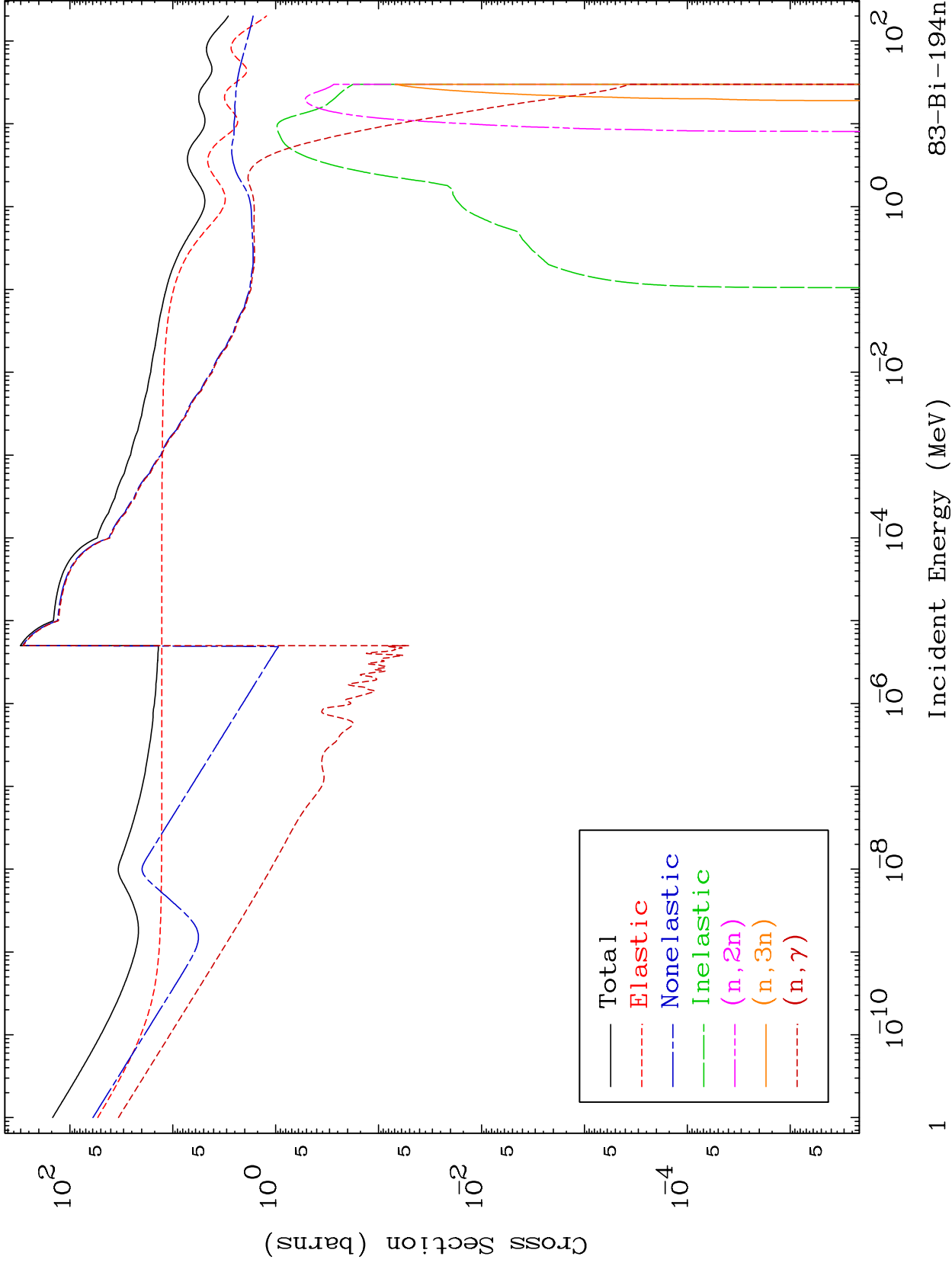
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Press Mouse Button to Start

MAT 8282

Neutron Major
293 Kelvin Cross Sections

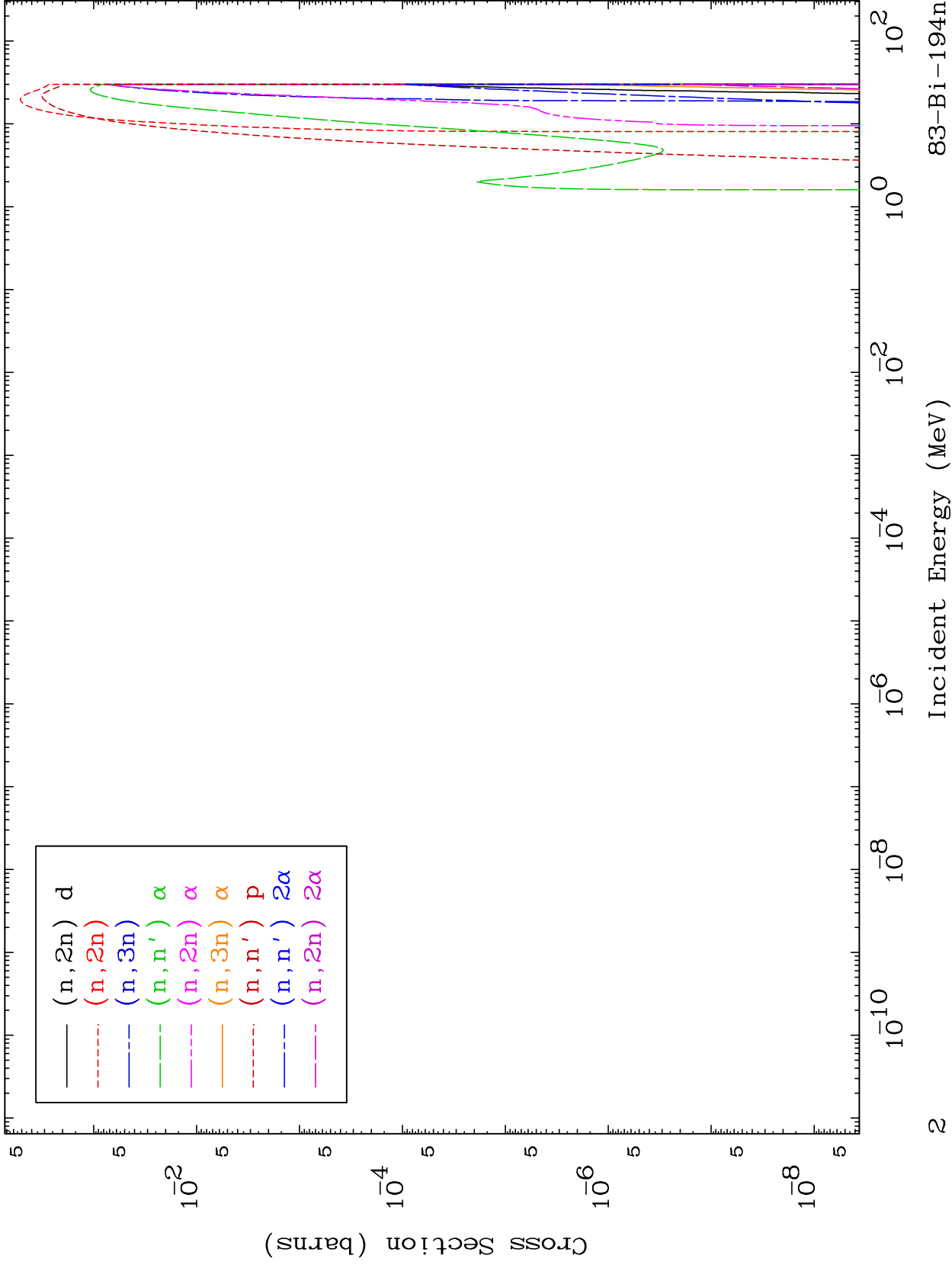
83-Bi-194n



MAT 8282

Neutron Absorption
293 Kelvin Cross Sections

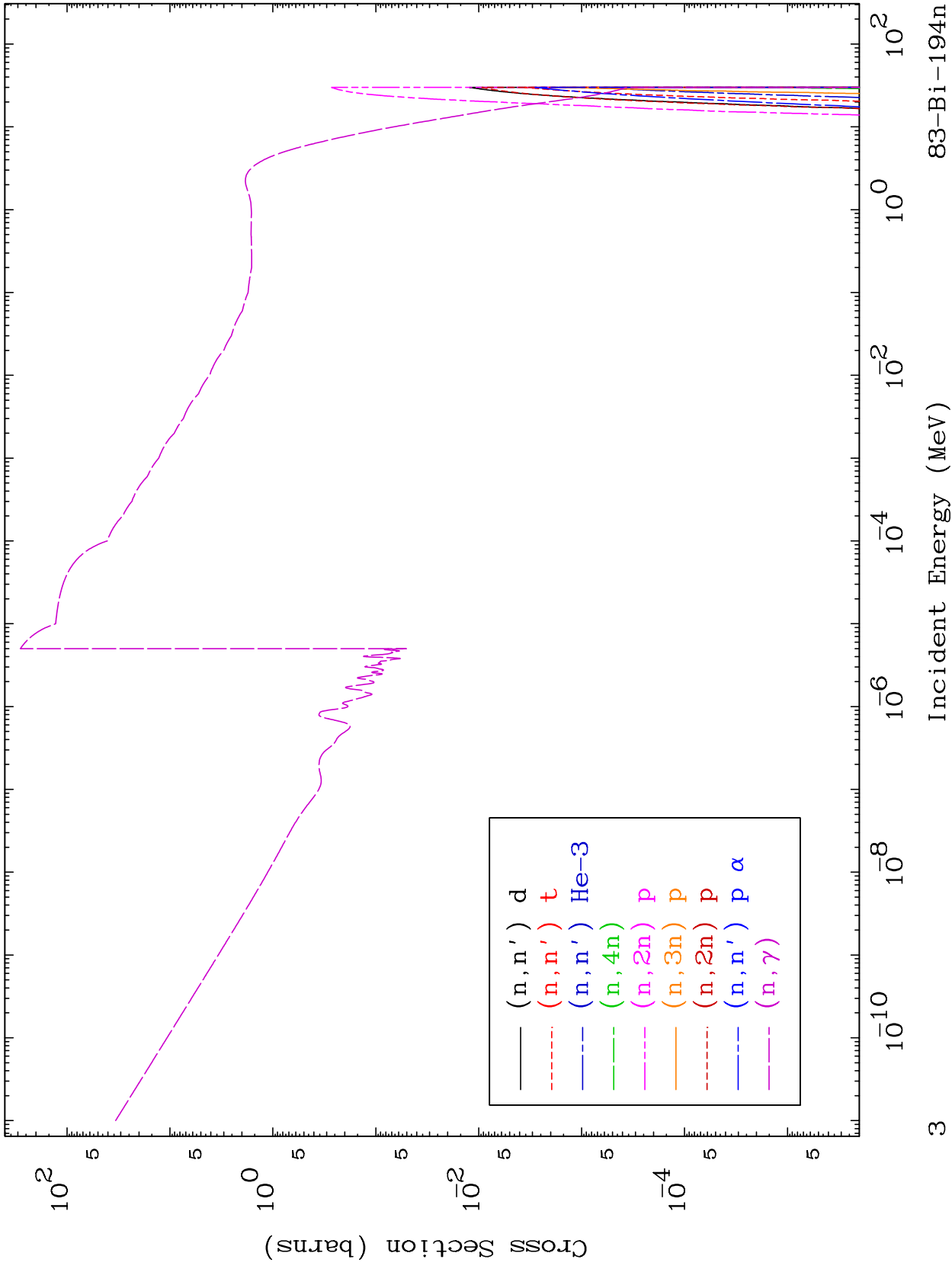
83-Bi-194n



MAT 8282

Neutron Absorption
293 Kelvin Cross Sections

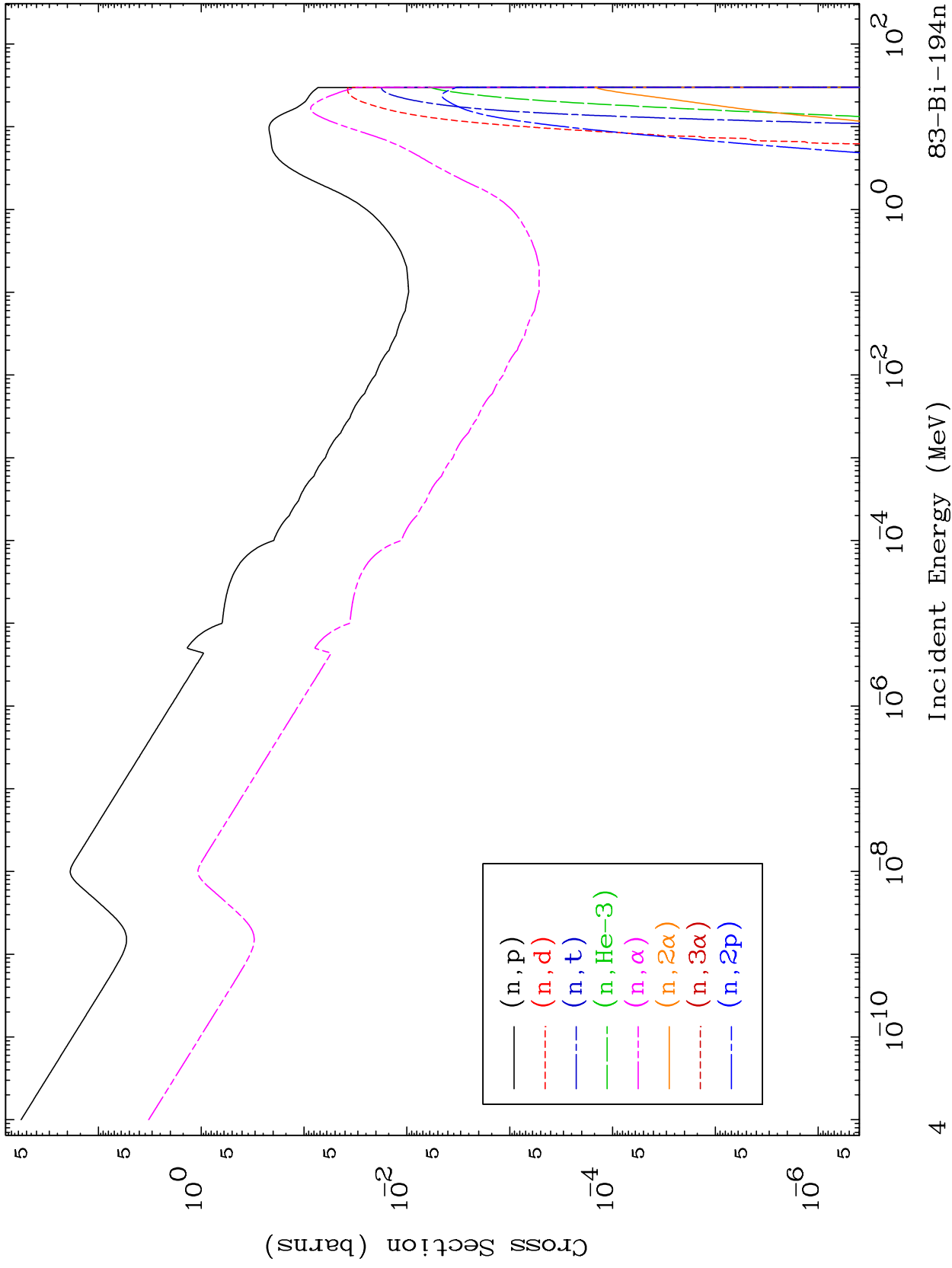
83-Bi-194n



MAT 8282

Neutron Absorption
293 Kelvin Cross Sections

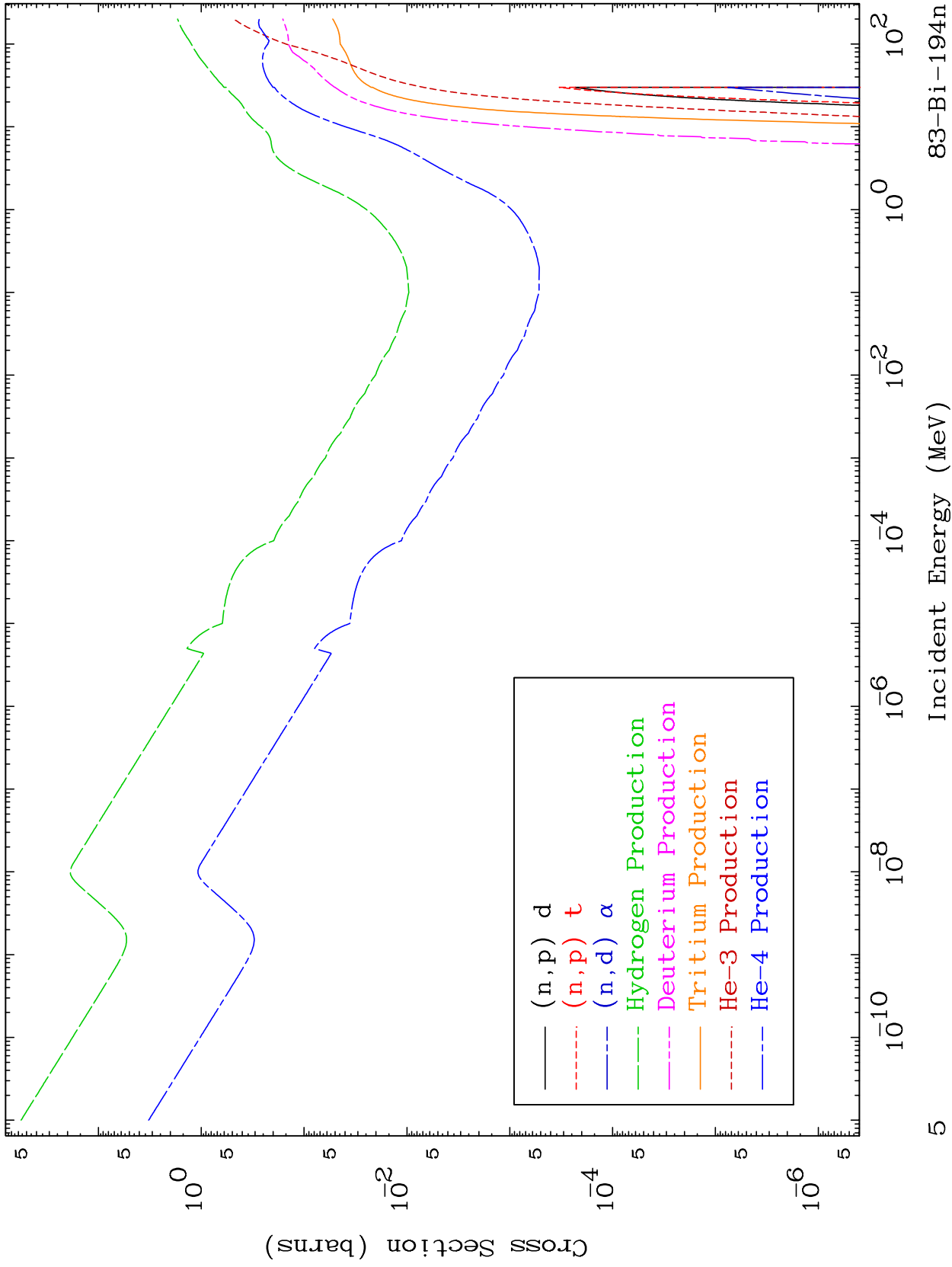
83-Bi-194n



MAT 8282

Neutron Absorption
293 Kelvin Cross Sections

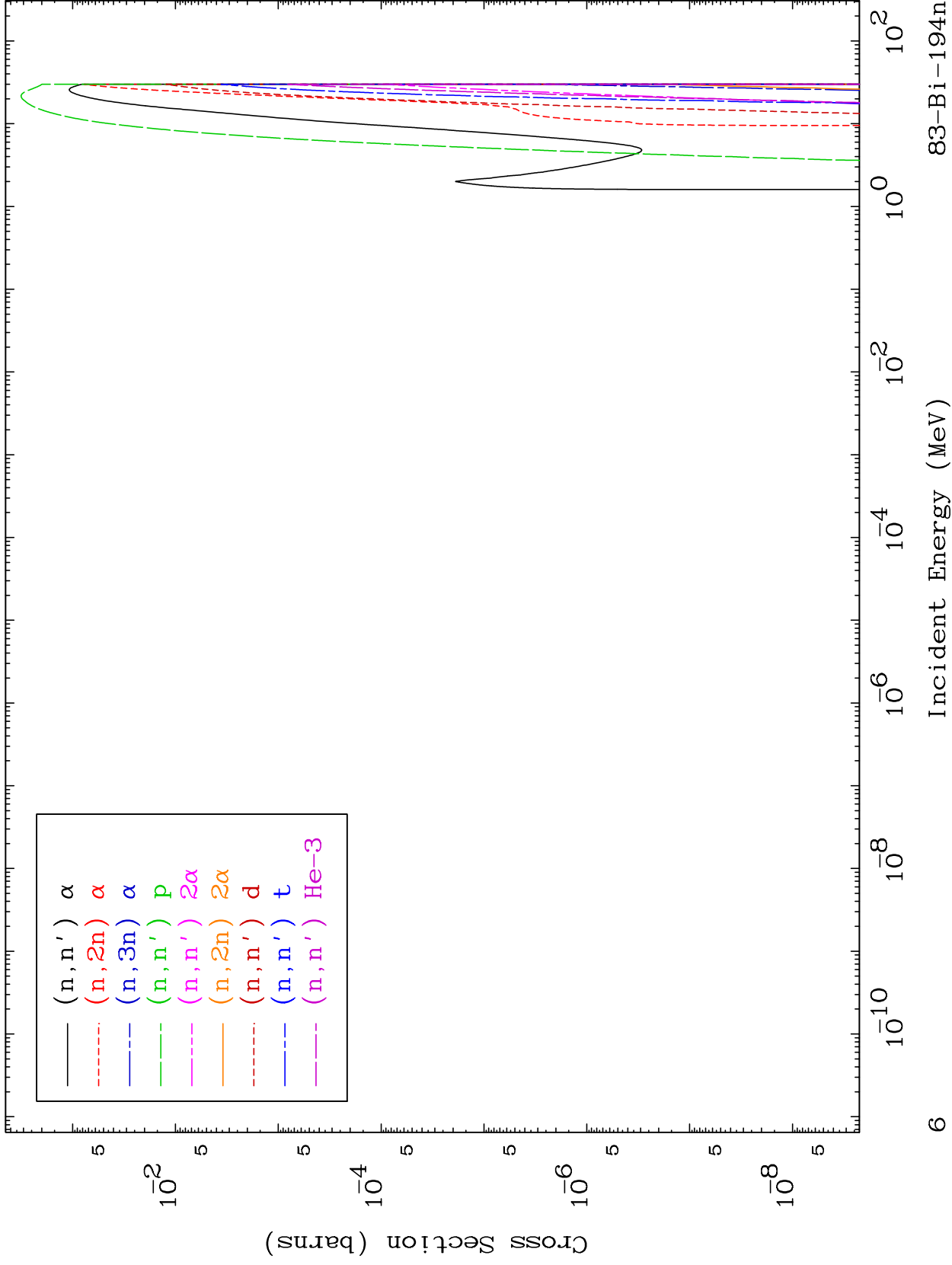
83-Bi-194n



MAT 8282

Charged Particle
293 Kelvin Cross Sections

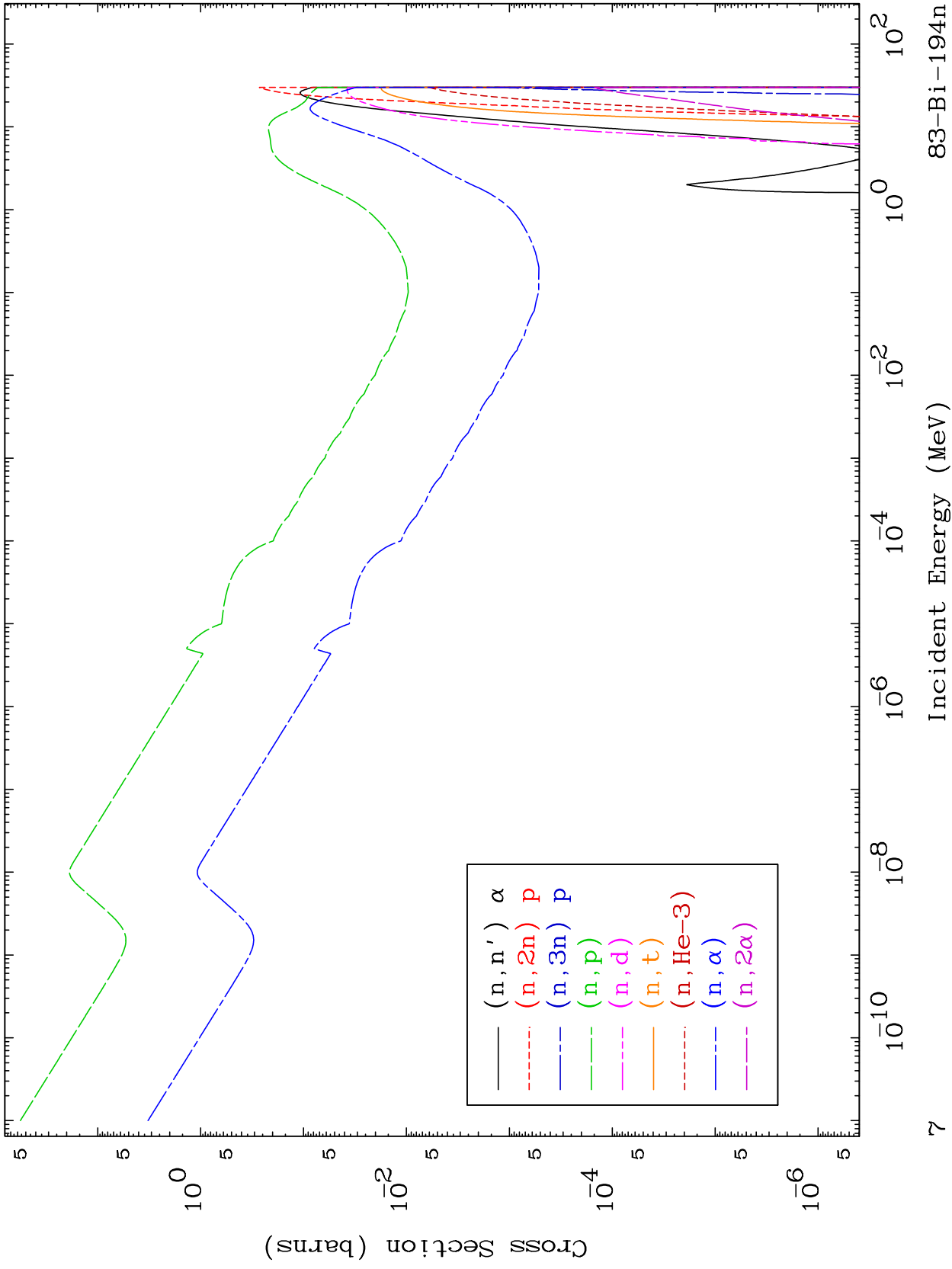
83-Bi-194n



MAT 8282

Charged Particle
293 Kelvin Cross Sections

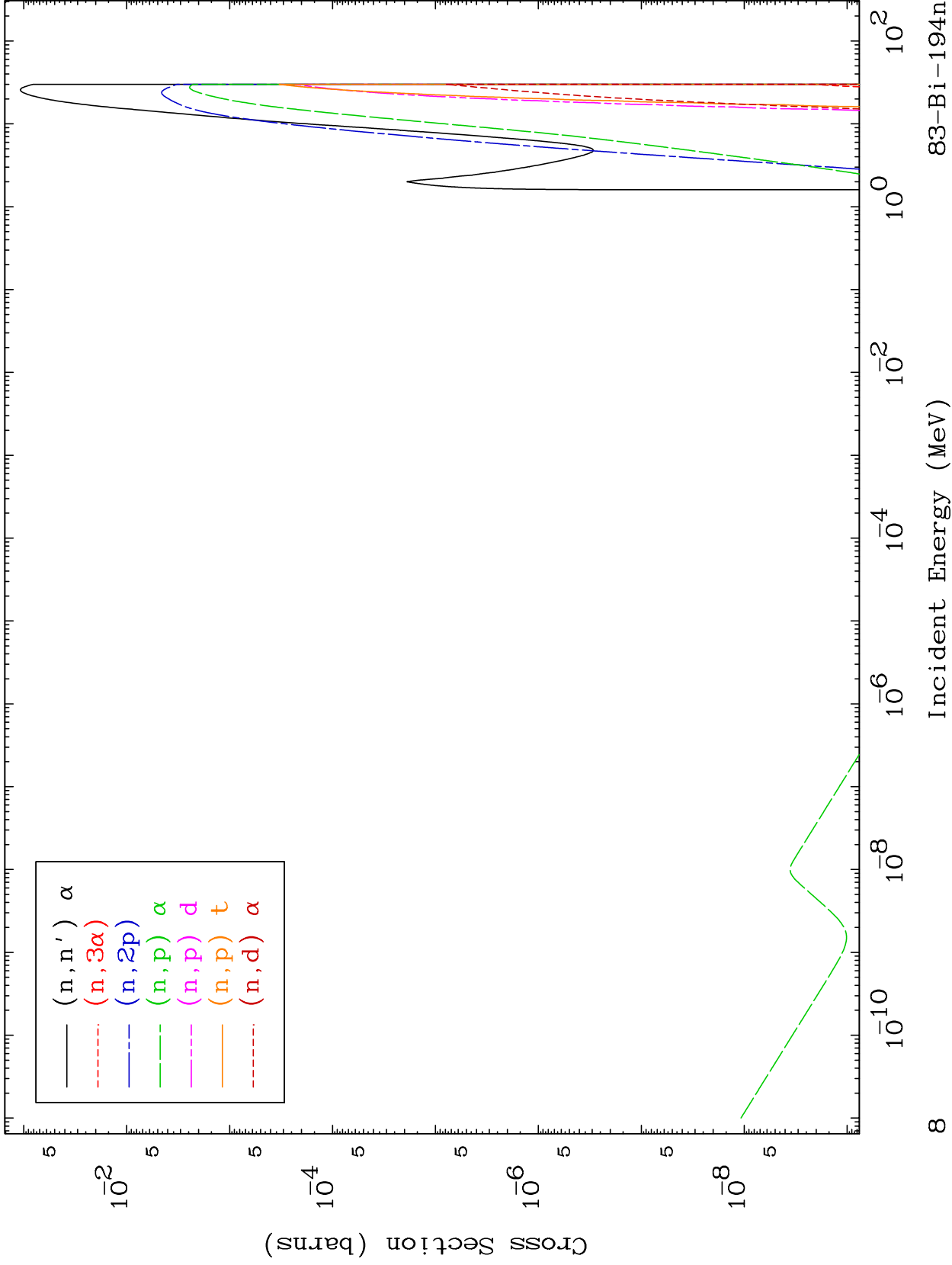
83-Bi-194n



MAT 8282

Charged Particle
293 Kelvin Cross Sections

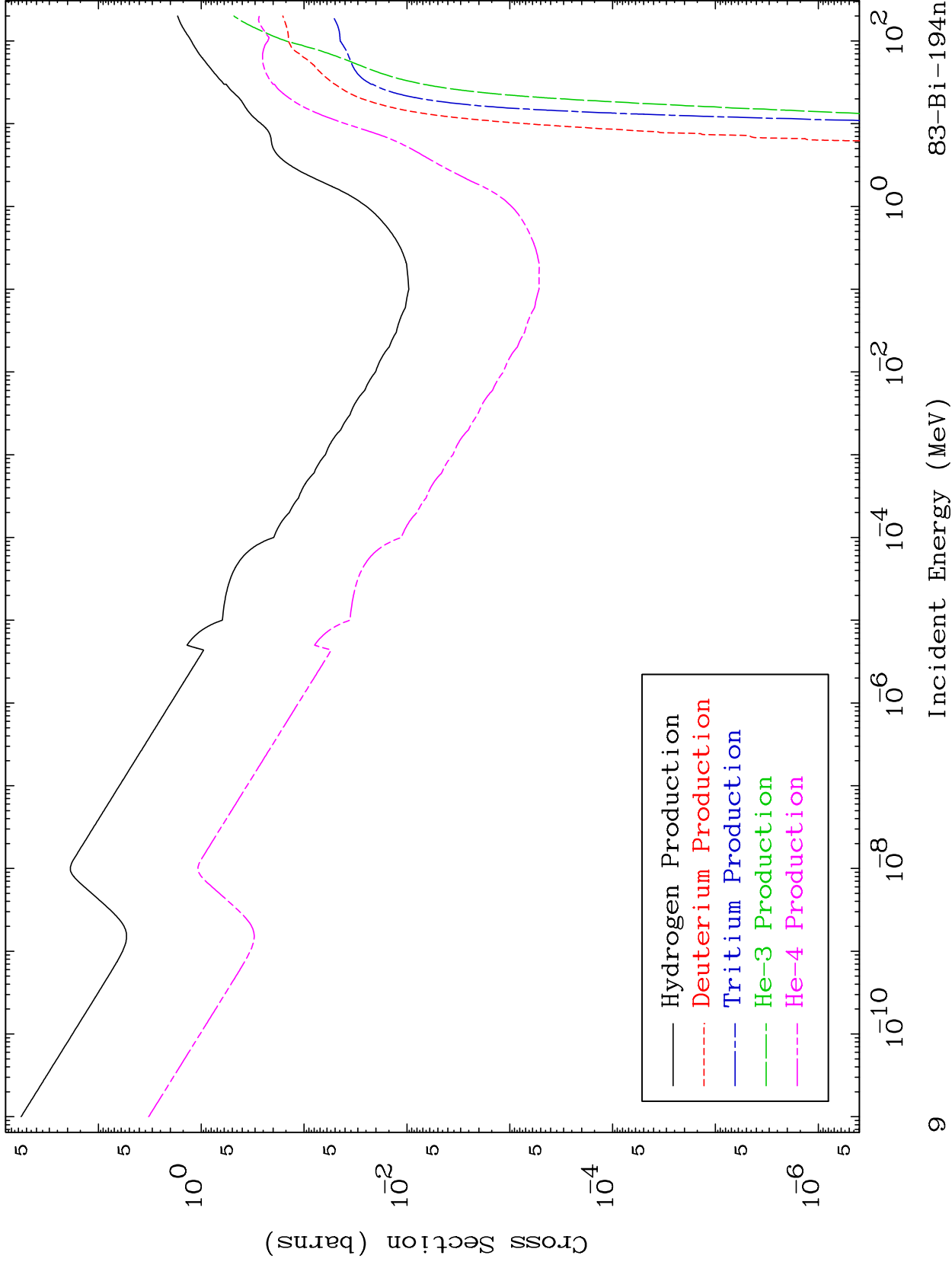
83-Bi-194n



MAT 8282

Particle Production
293 Kelvin Cross Sections

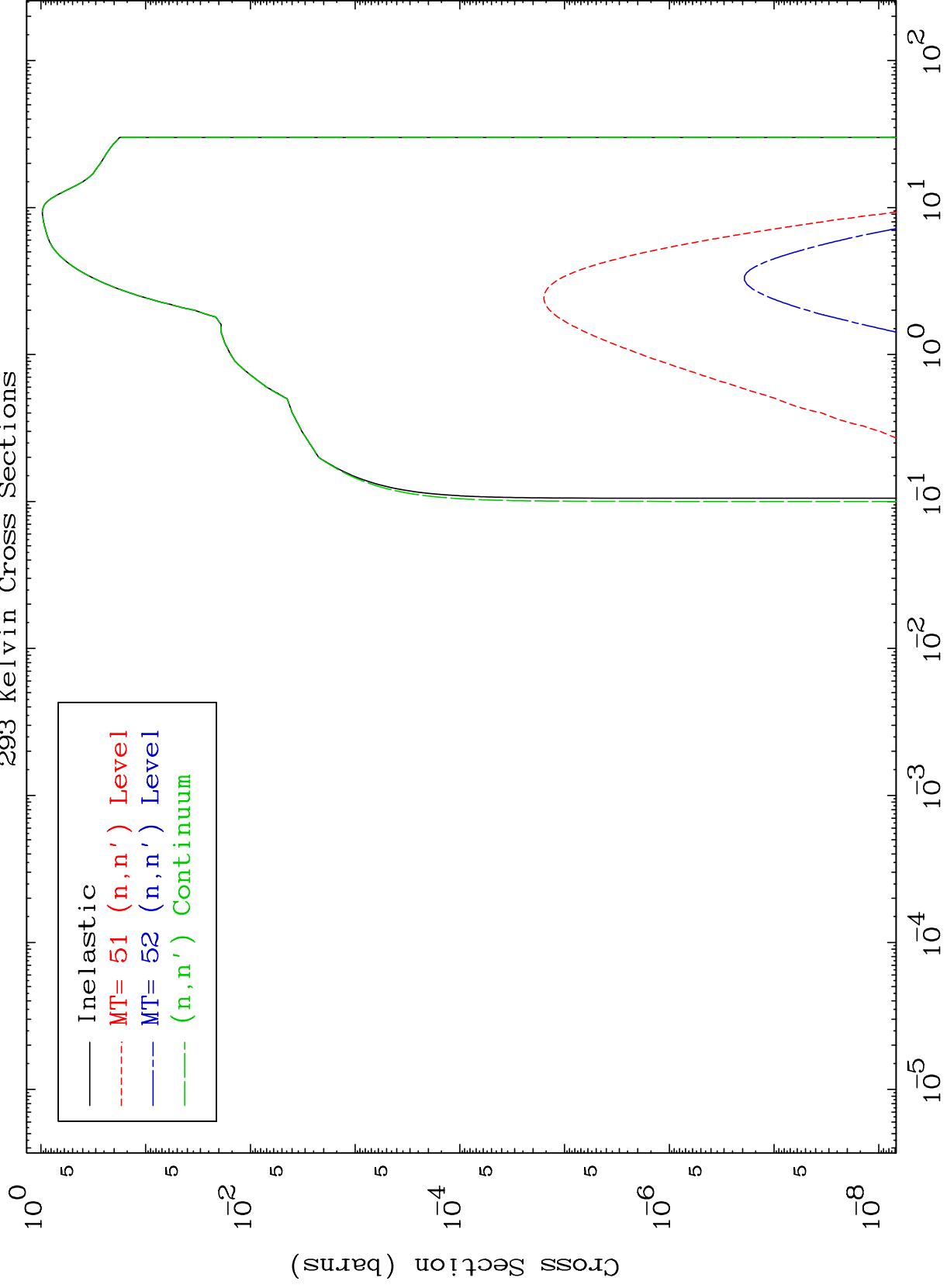
83-Bi-194n



MAT 8282

(n,n') Levels
293 Kelvin Cross Sections

83-Bi-194n



10

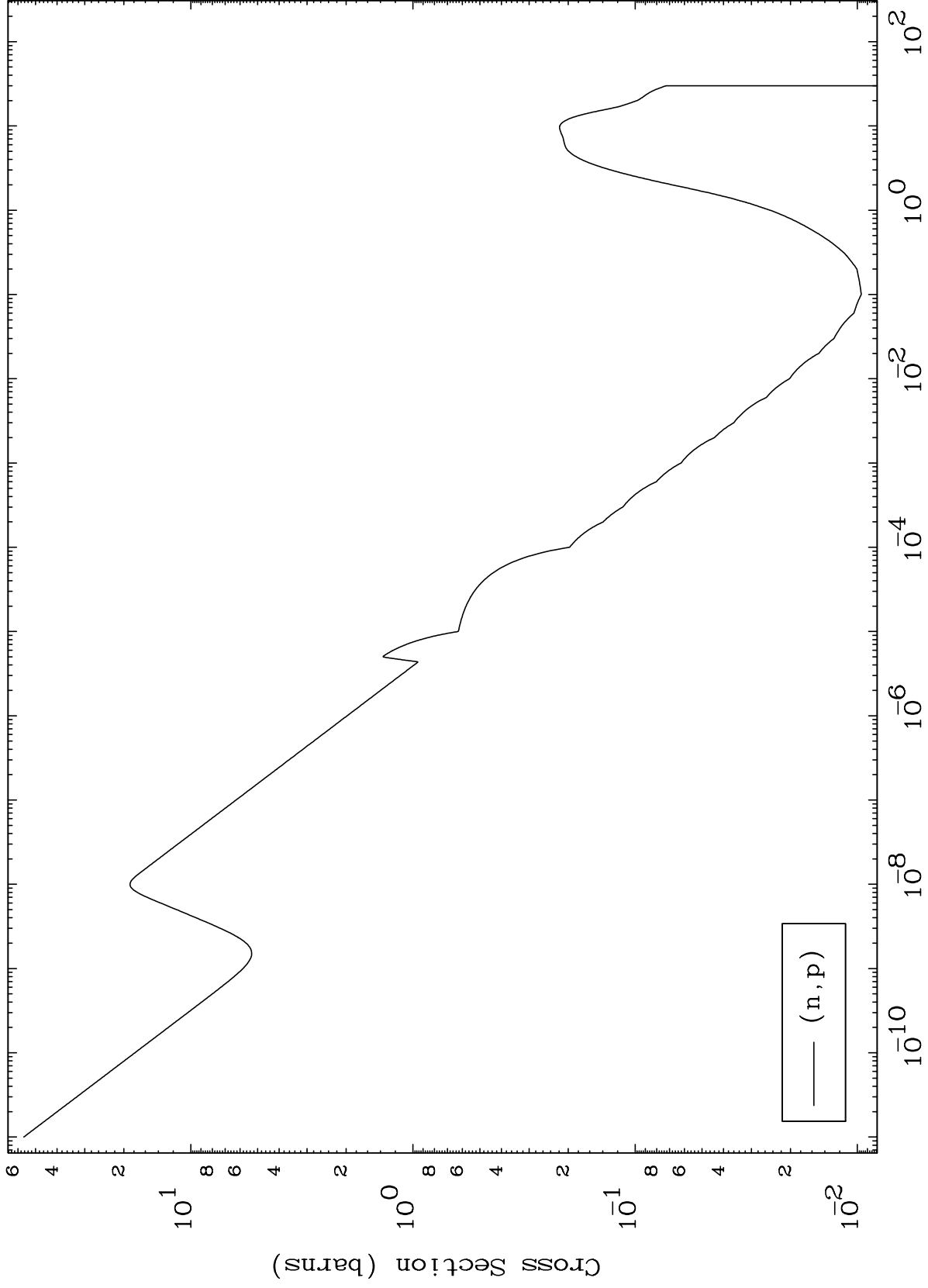
Incident Energy (MeV)

83-Bi-194n

MAT 8282

(n,p) Levels
293 Kelvin Cross Sections

83-Bi-194n



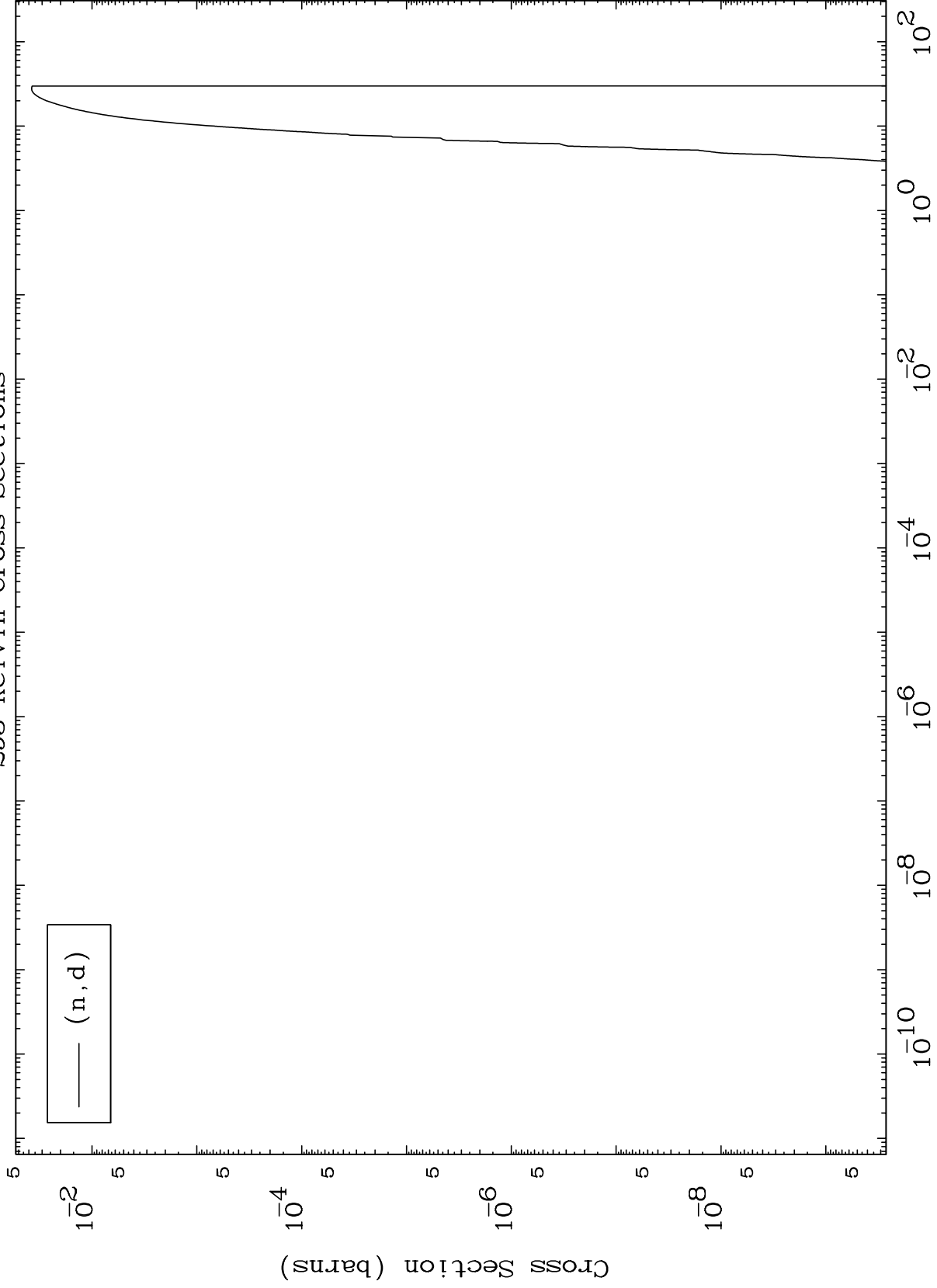
83-Bi-194n

Incident Energy (MeV)

MAT 8282

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-194n



12

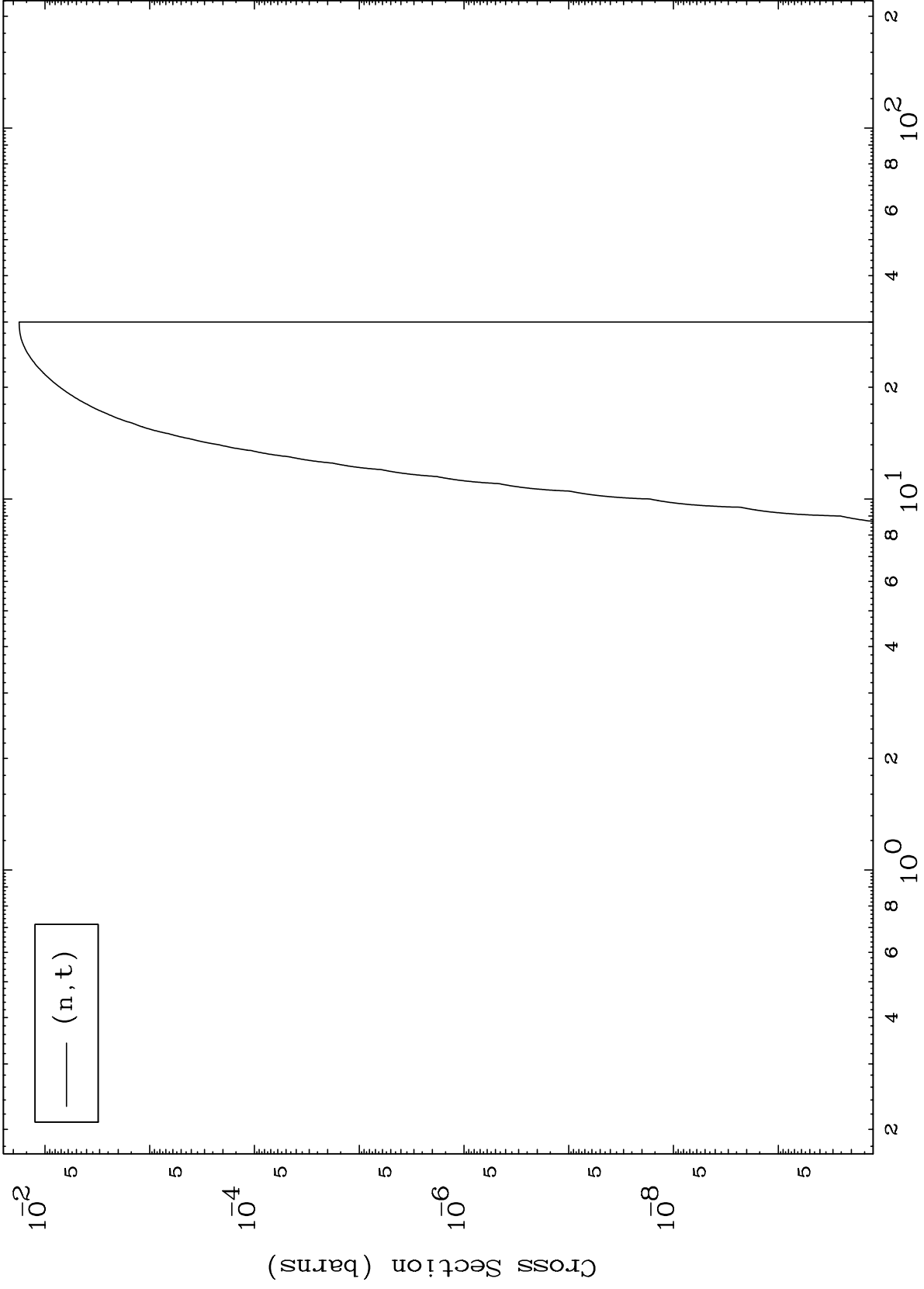
Incident Energy (MeV)

83-Bi-194n

MAT 8282

(n,t) Levels
293 Kelvin Cross Sections

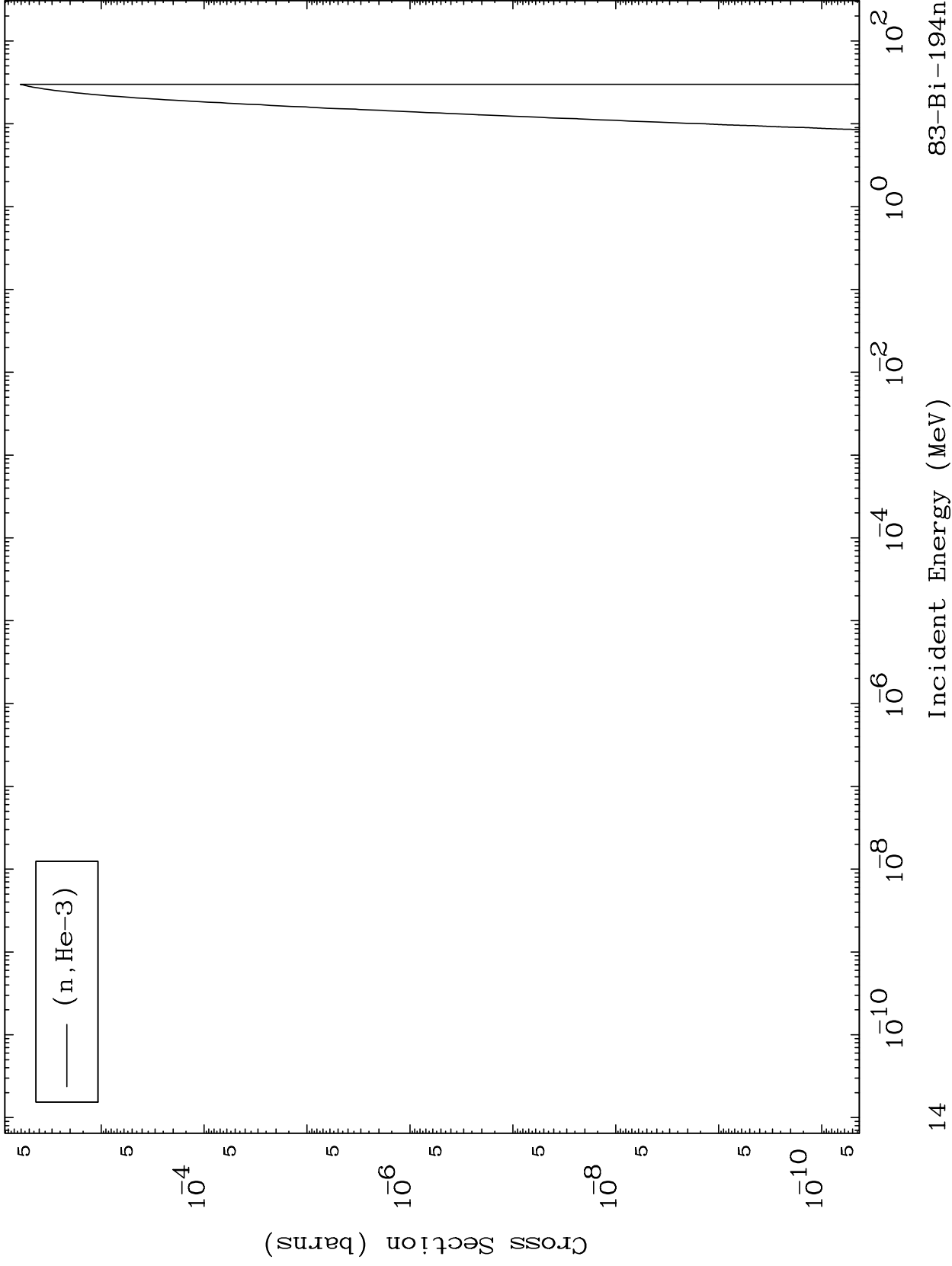
83-Bi-194n



MAT 8282

(n,He3) Levels
293 Kelvin Cross Sections

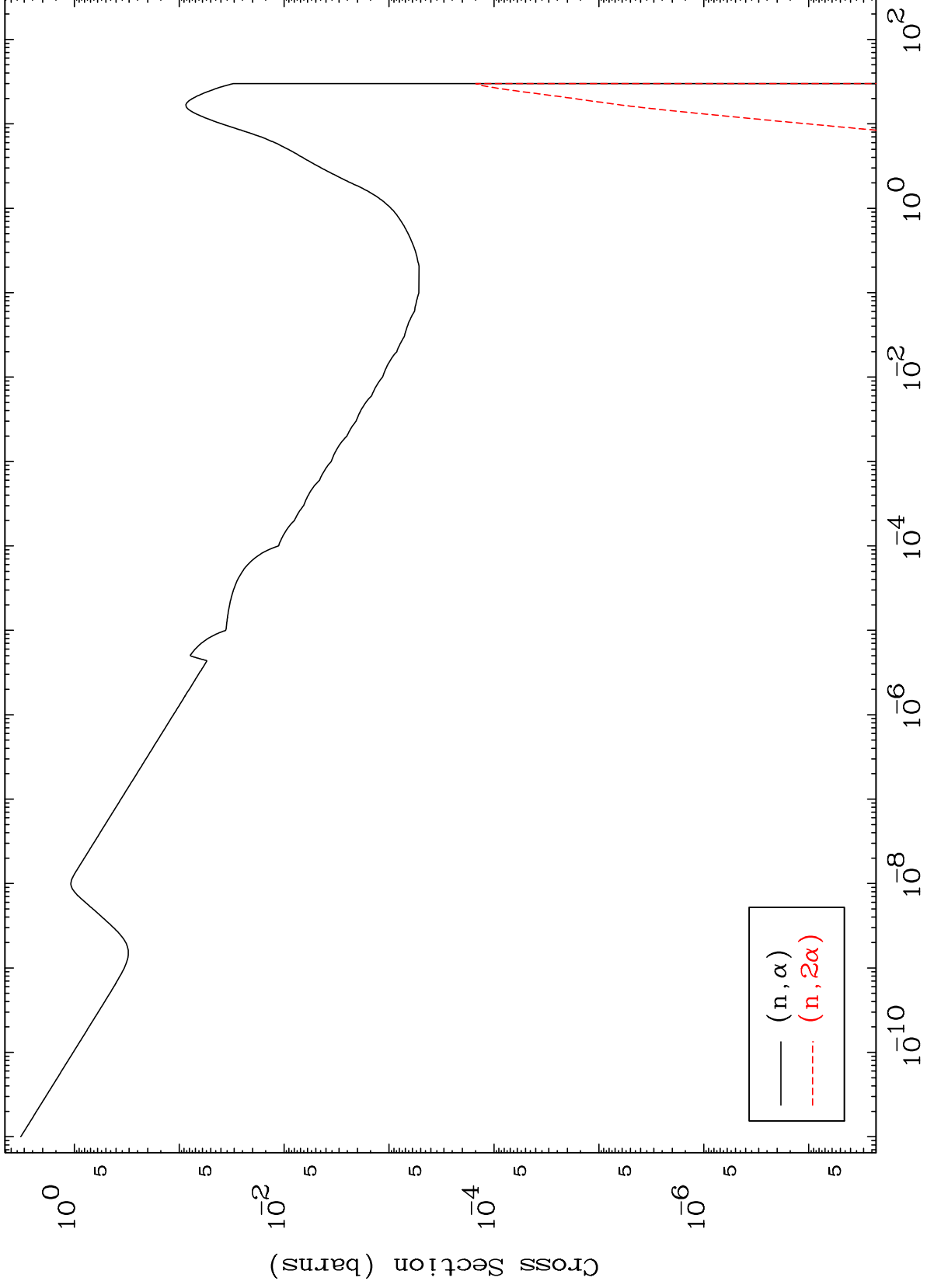
83-Bi-194n



MAT 8282

(n,α) Levels
293 Kelvin Cross Sections

83-Bi-194n



15

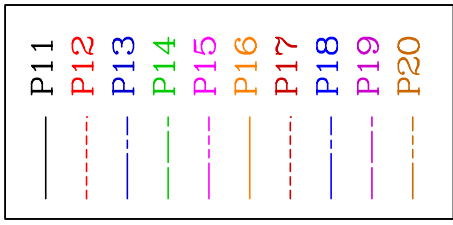
Incident Energy (MeV)

83-Bi-194n

MAT 8282

Elastic Legendre Coefficients

83-Bi-194n



$\times 10^{-4}$
2.0
1.5
1.0
0.5
0.0

Legendre (CM)

5

10

15

20

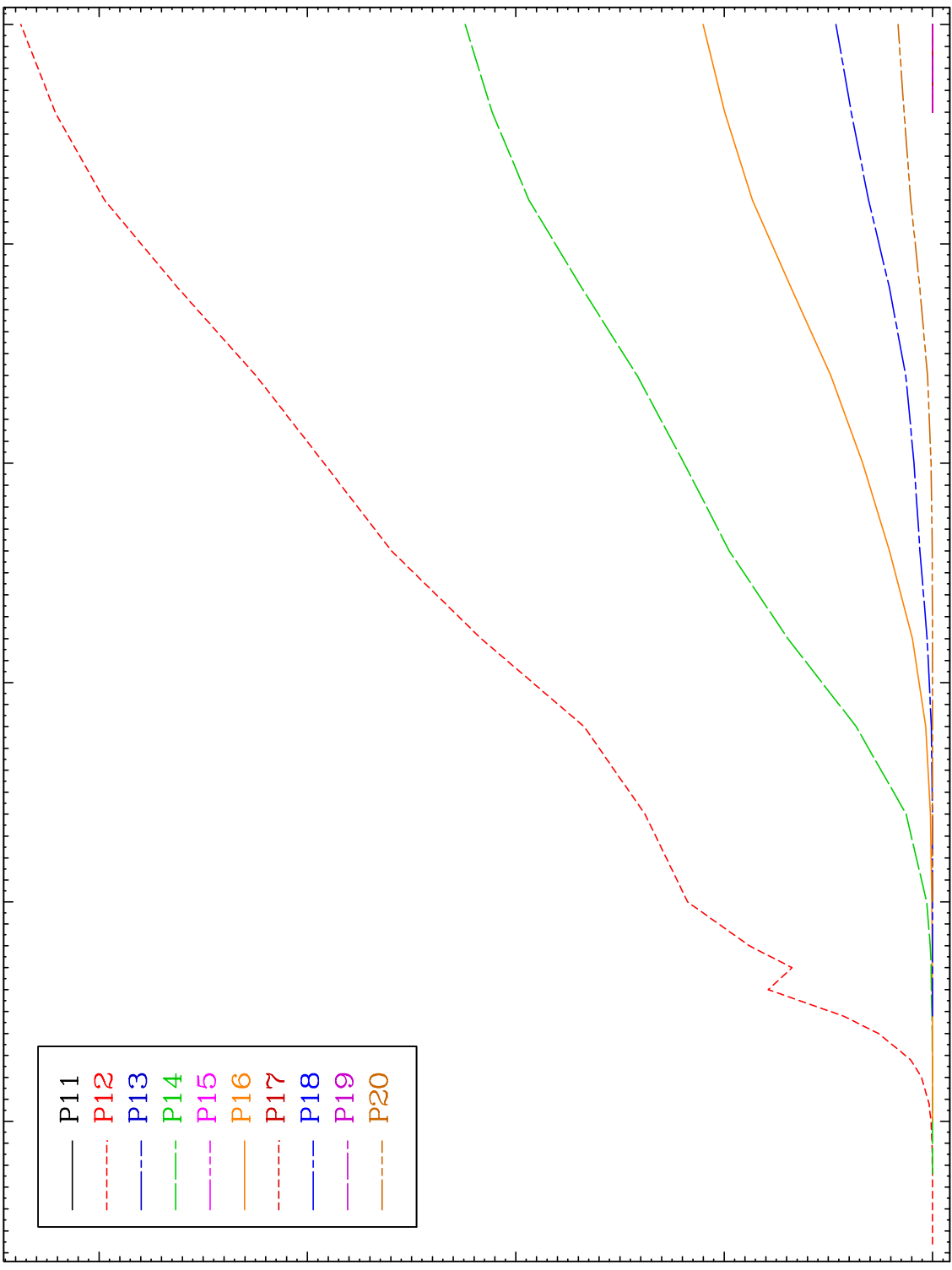
25

30

17

Incident Energy (MeV)

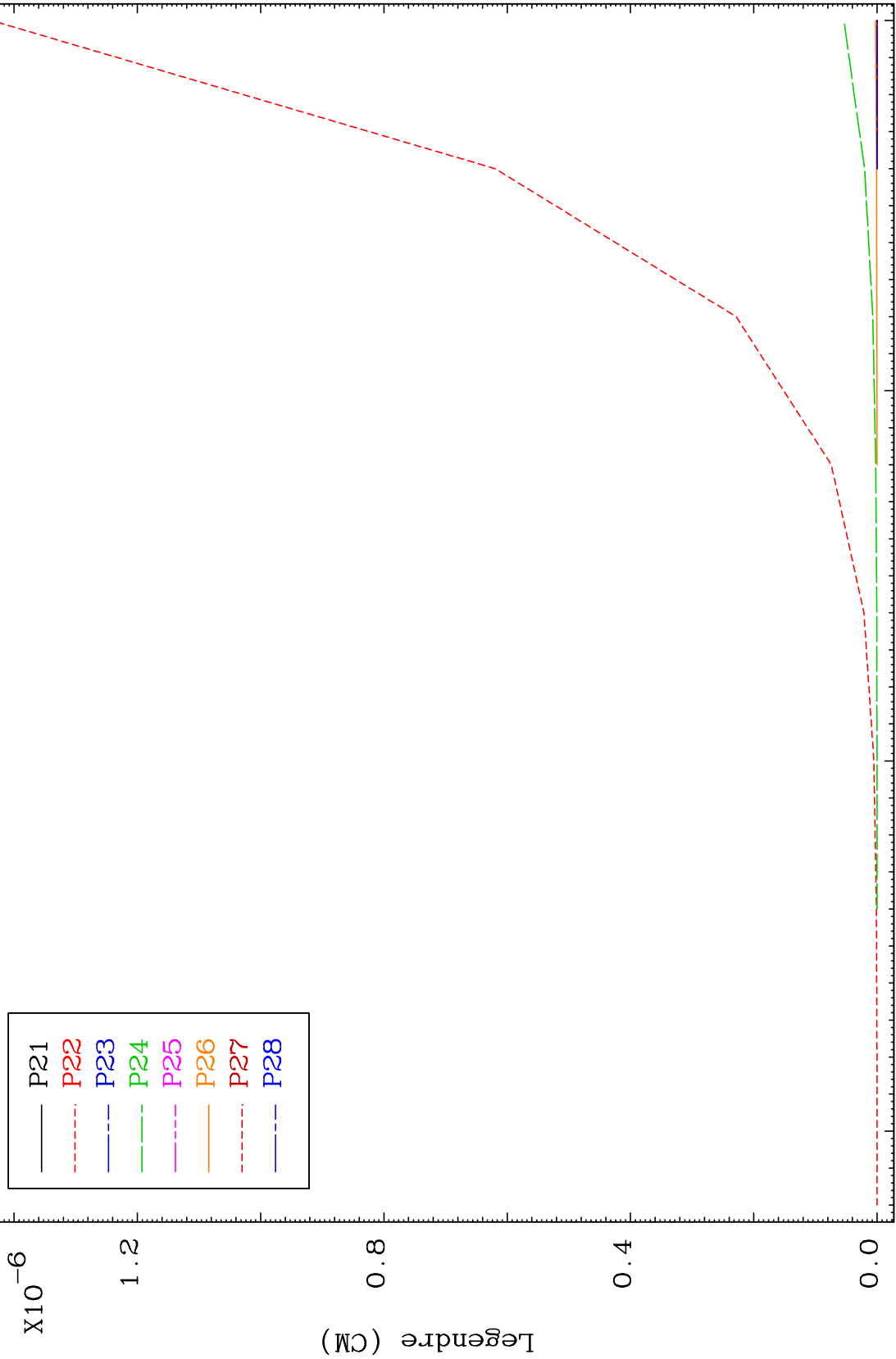
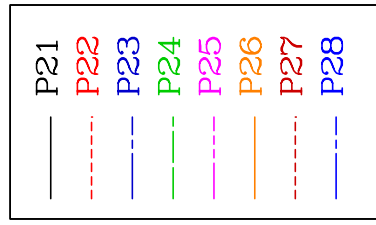
83-Bi-194n



MAT 8282

Elastic Legendre Coefficients

83-Bi-194n



18

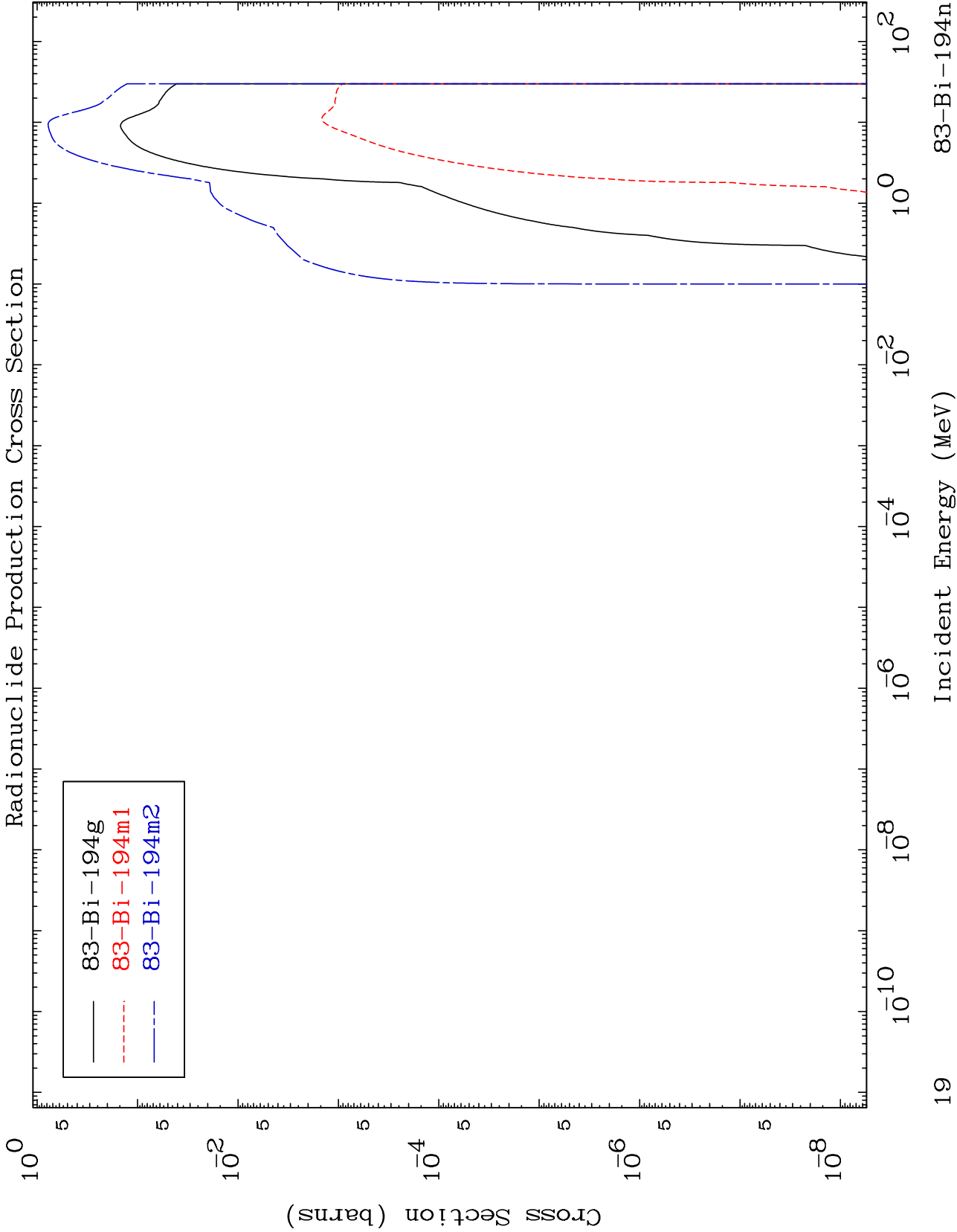
Incident Energy (MeV)

83-Bi-194n

MAT 8282

Inelastic
Radionuclide Production Cross Section

83-Bi-194n

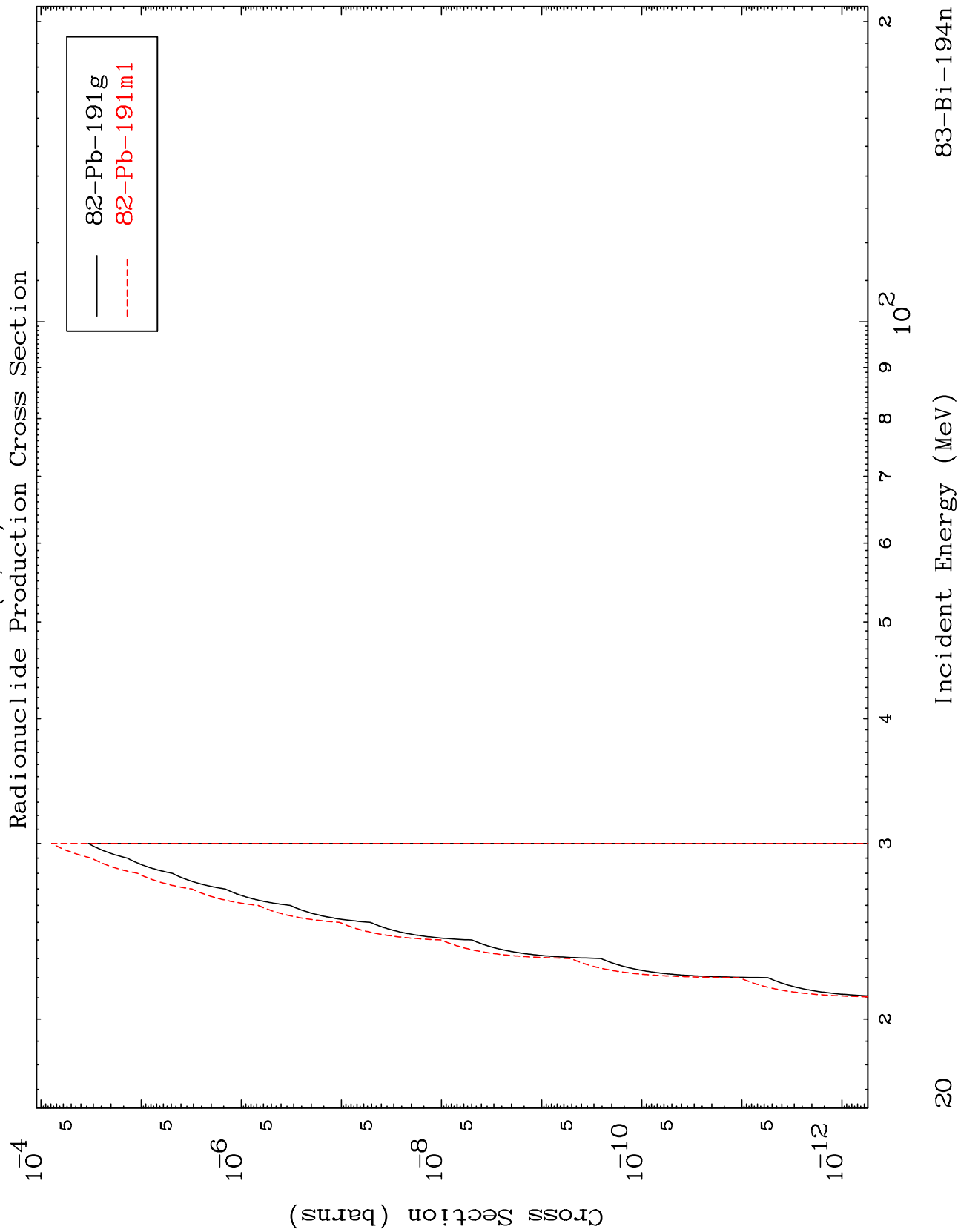


83-Bi-194g
83-Bi-194m1
83-Bi-194m2

MAT 8282

(n,2n) d

83-Bi-194n



20

Incident Energy (MeV)

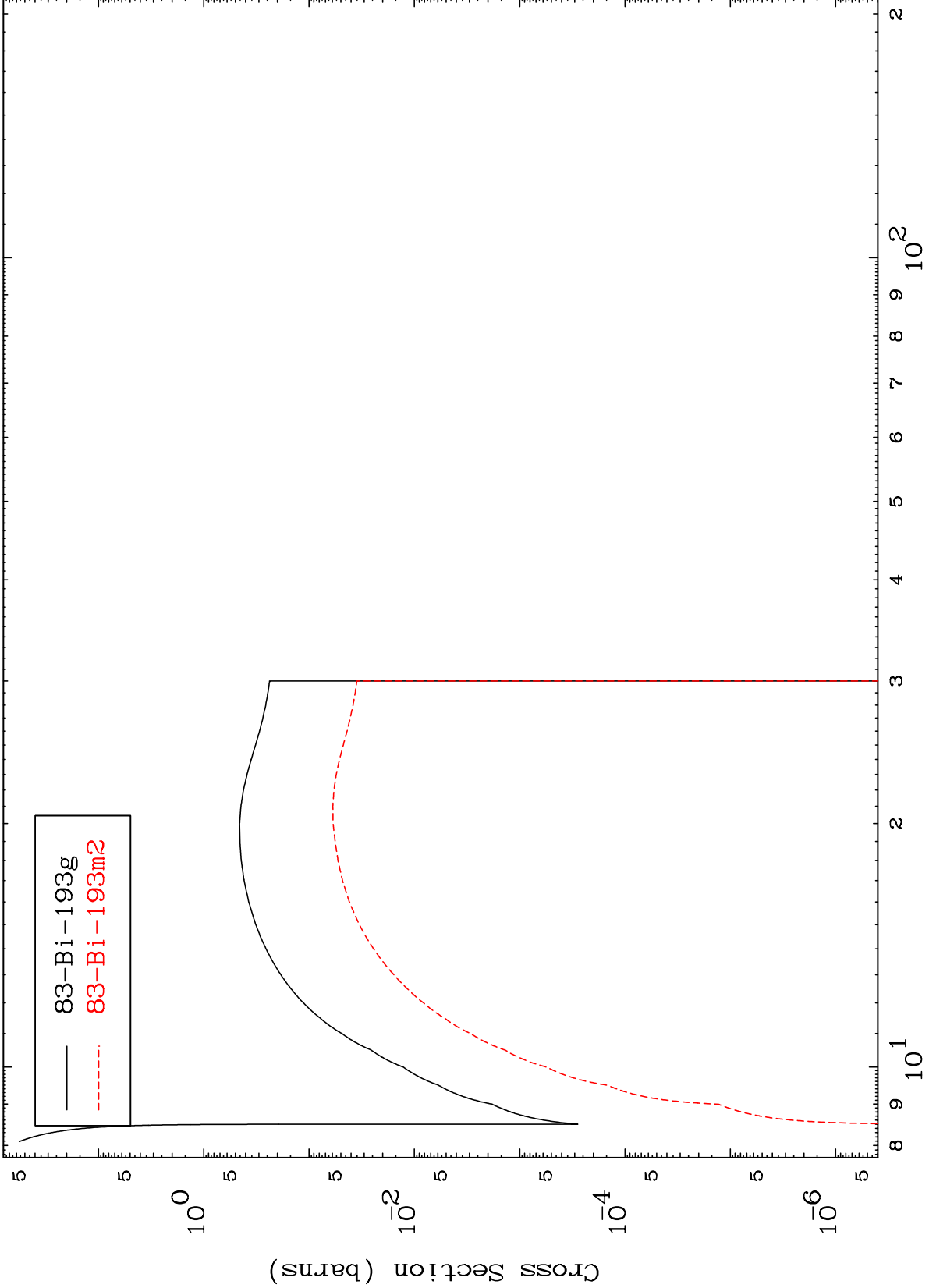
83-Bi-194n

MAT 8282

(n,2n)

⁸³Bi-194n

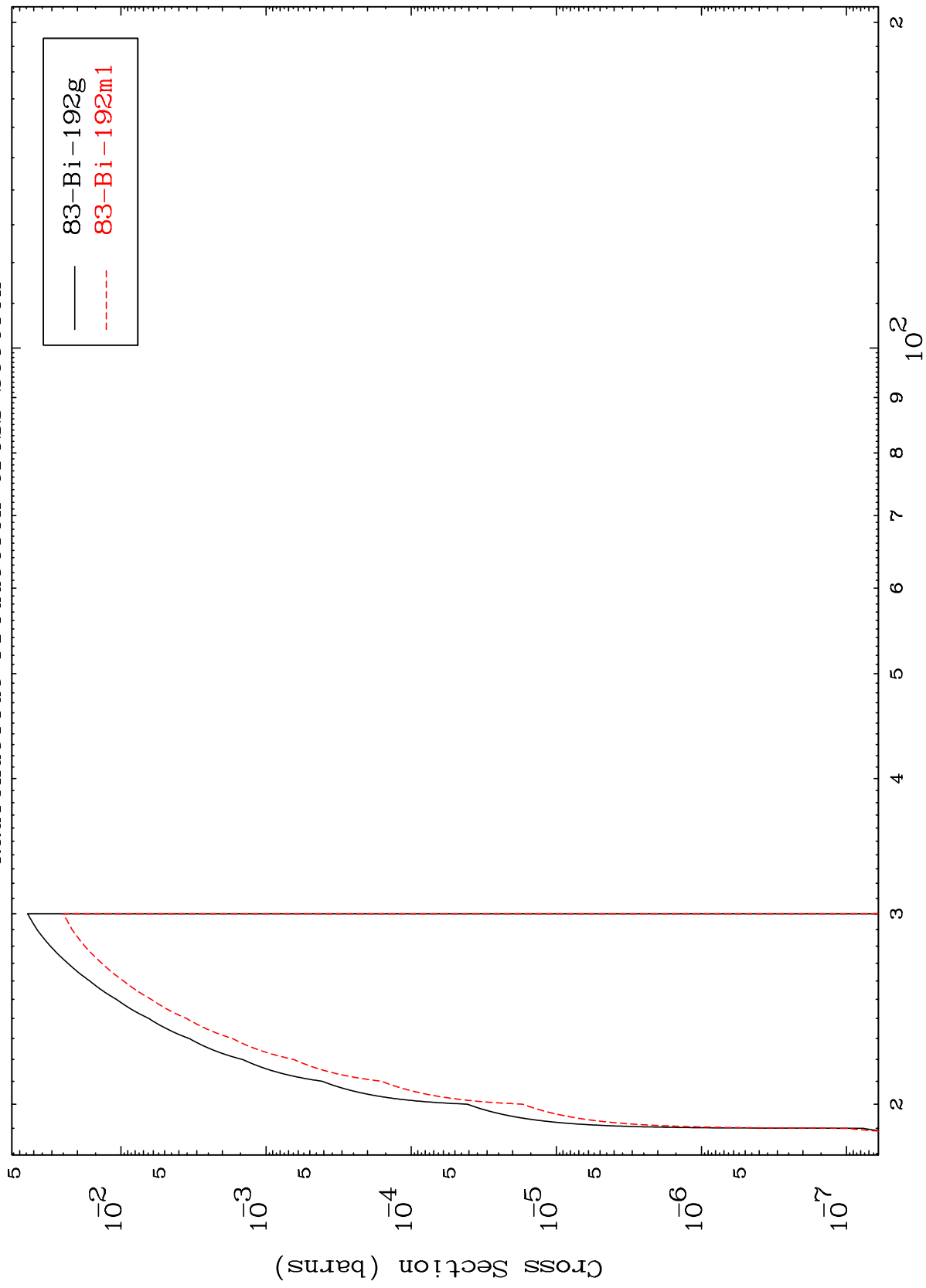
Radionuclide Production Cross Section



MAT 8282

$^{83}\text{Bi}-194\text{n}$

$(n, 3n)$
Radionuclide Production Cross Section



22

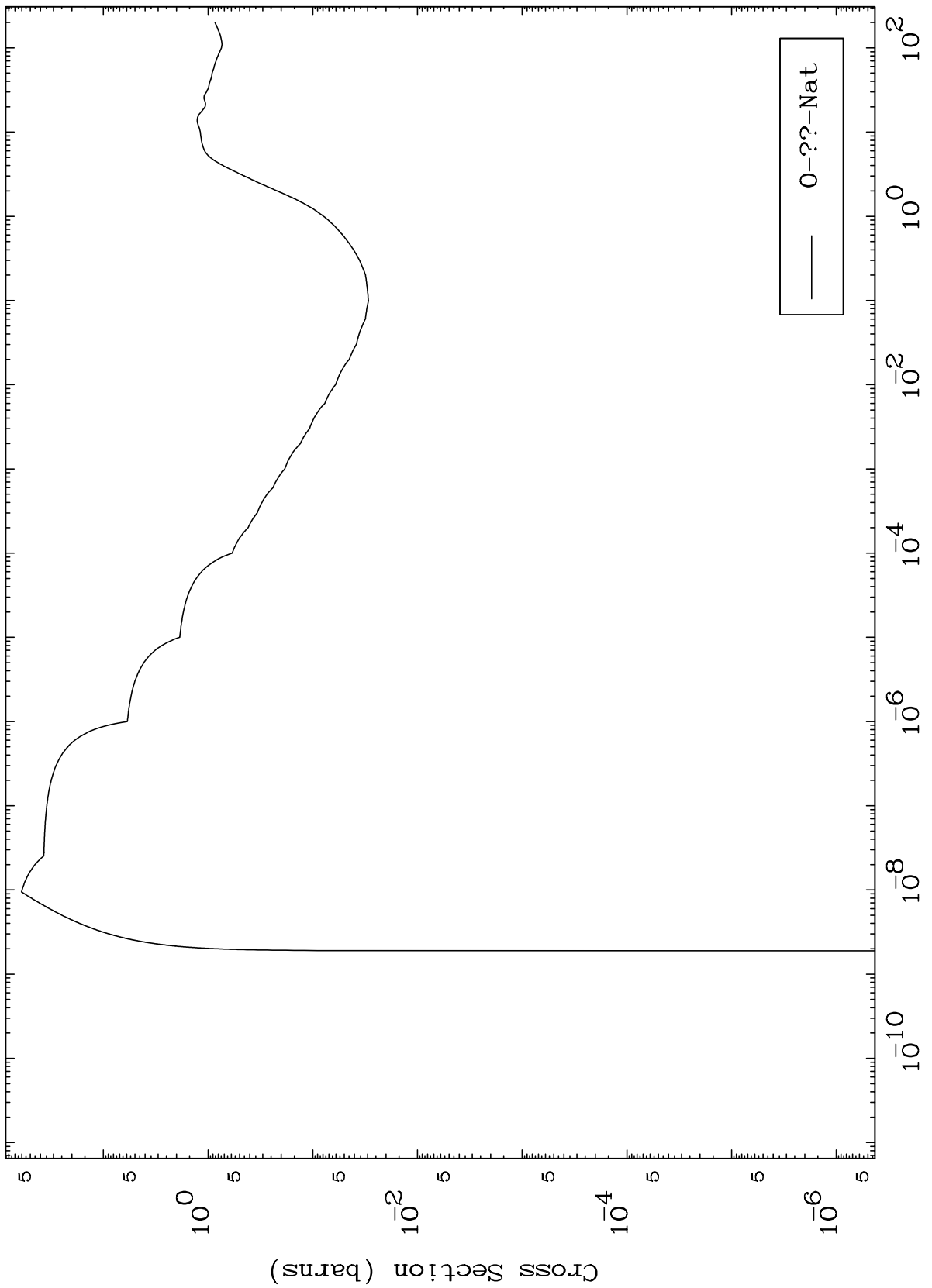
Incident Energy (MeV)

$^{83}\text{Bi}-194\text{n}$

MAT 8282

83-Bi-194n

Fission
Radionuclide Production Cross Section

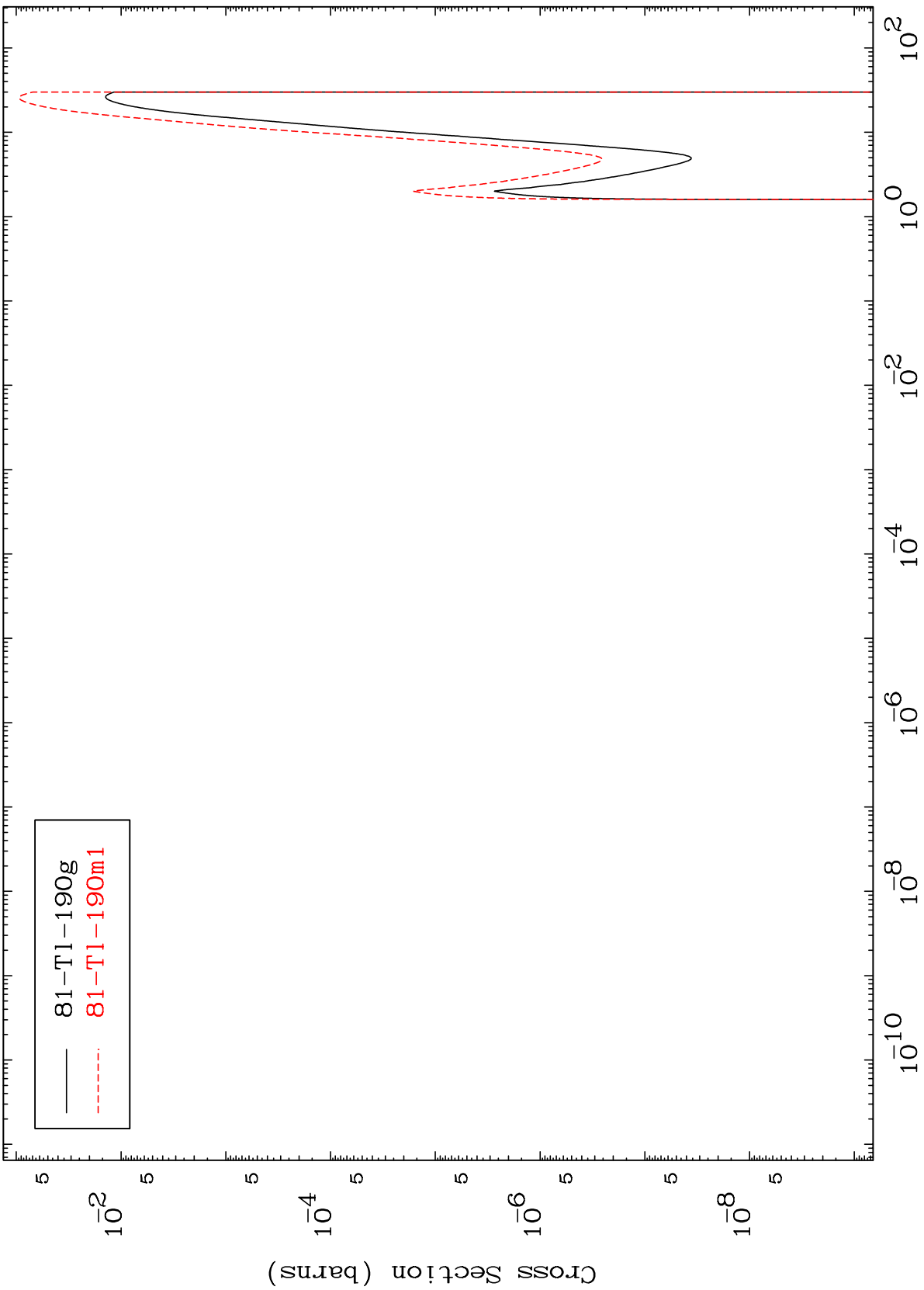
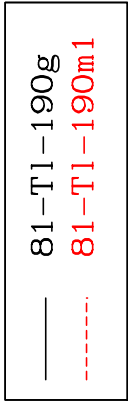


MAT 8282

$(n, n') \alpha$

$^{83}\text{Bi}-194n$

Radionuclide Production Cross Section

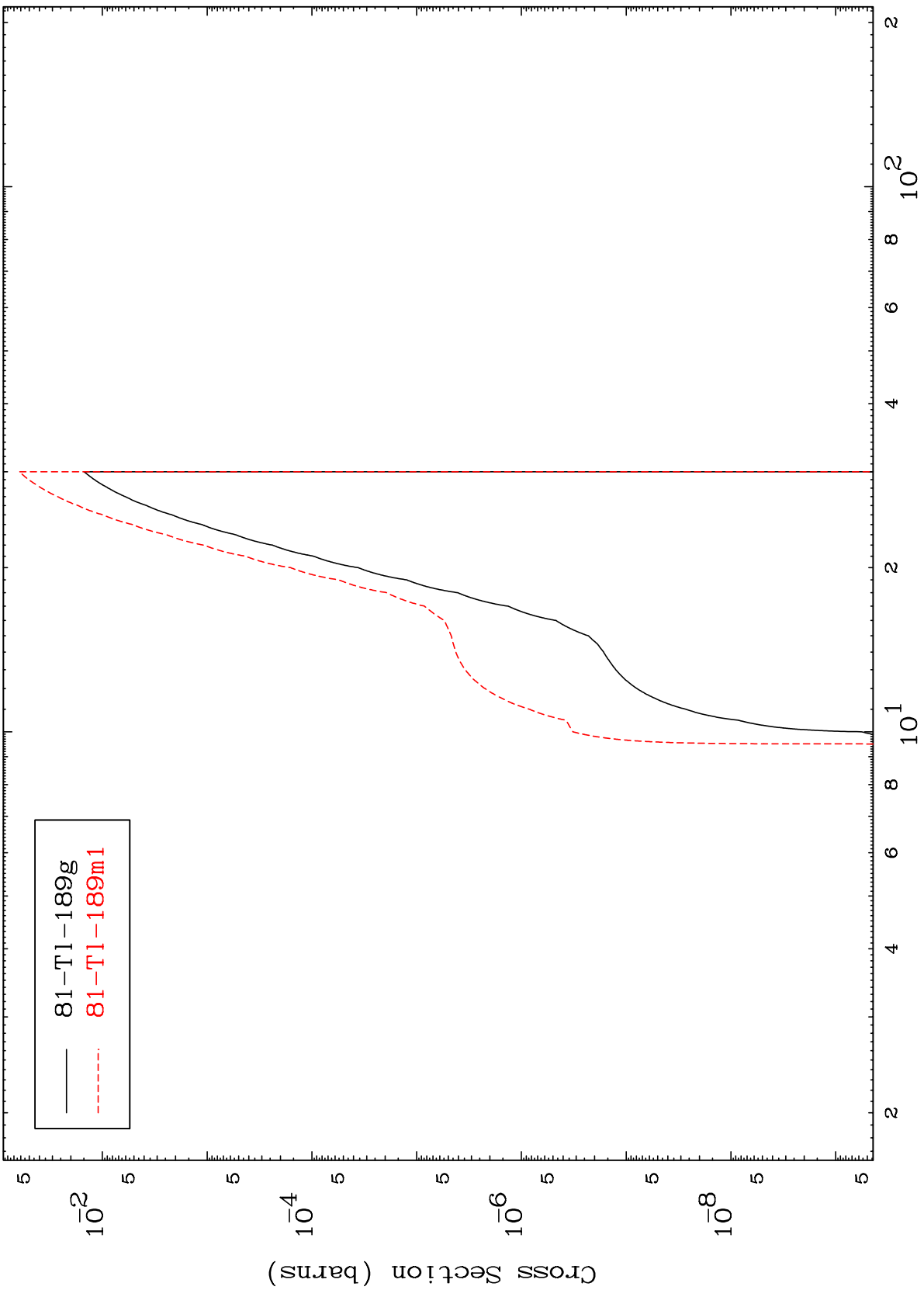


MAT 8282

$(n,2n) \alpha$

$^{83}\text{Bi}-194\text{n}$

Radionuclide Production Cross Section



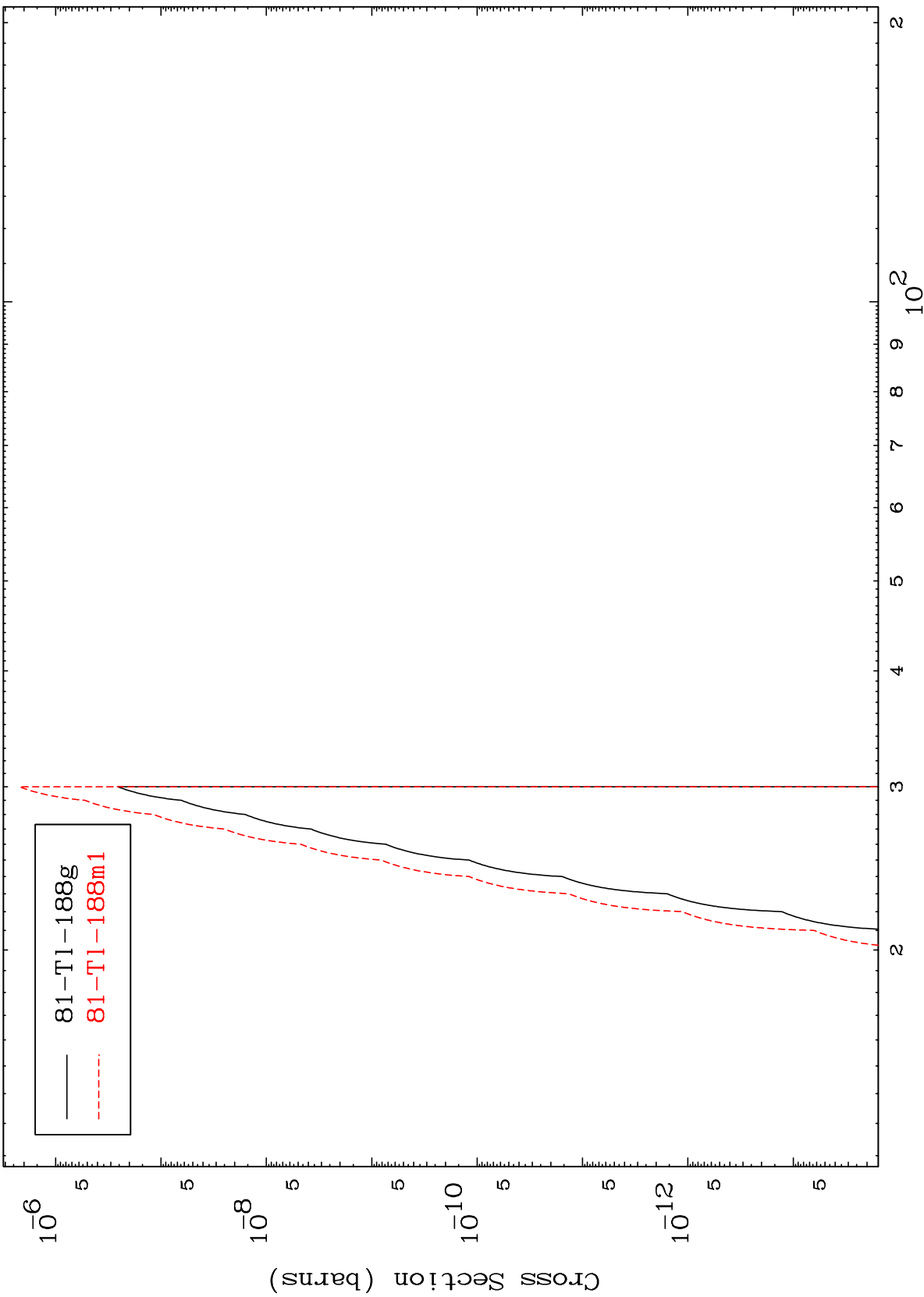
— $^{81}\text{Tl}-189\text{g}$
- - - $^{81}\text{Tl}-189\text{m1}$

MAT 8282

(n,3n) α

83-Bi-194n

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-194n

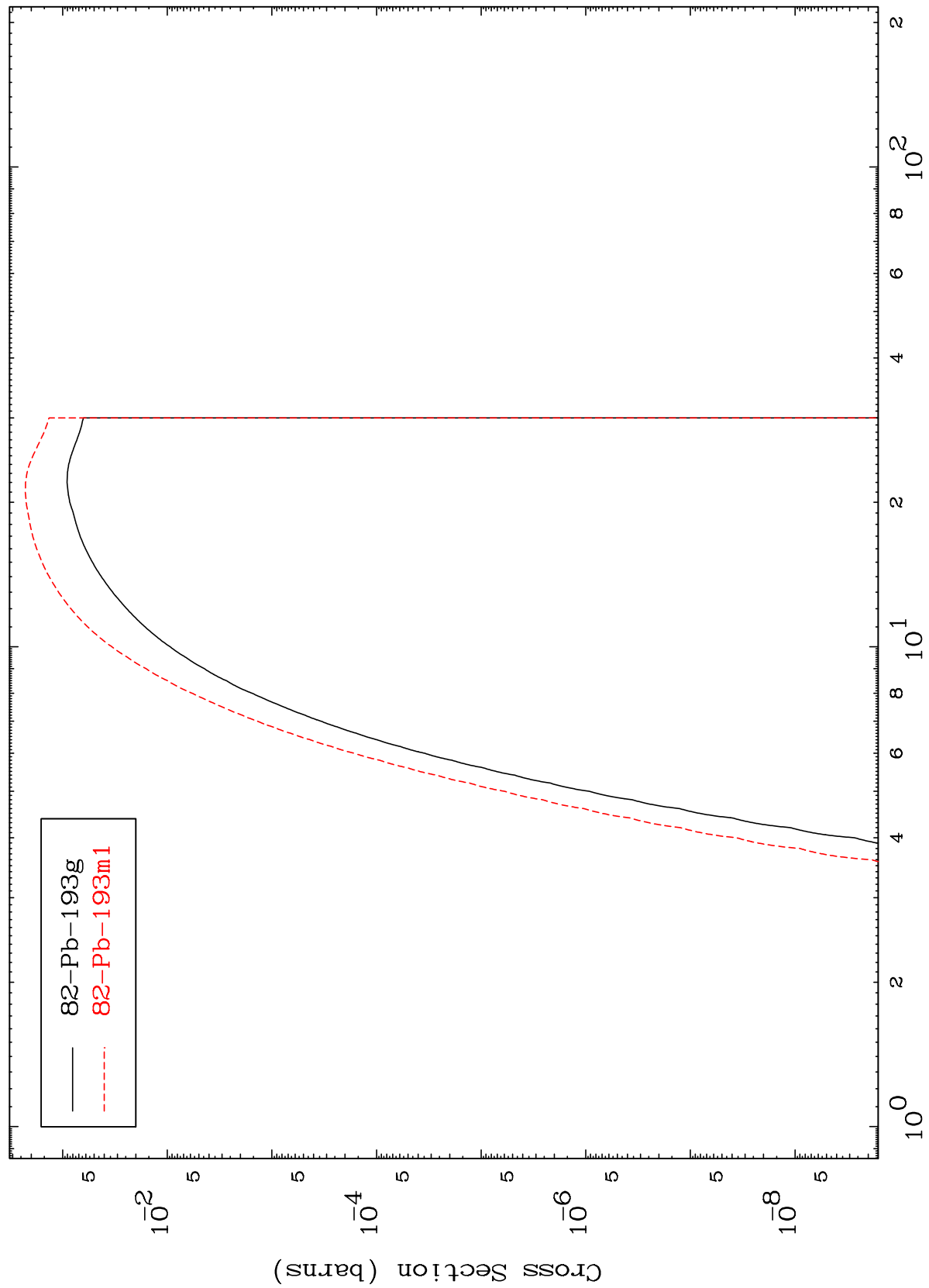
26

MAT 8282

(n,n') p

83-Bi-194n

Radionuclide Production Cross Section



27

Incident Energy (MeV)

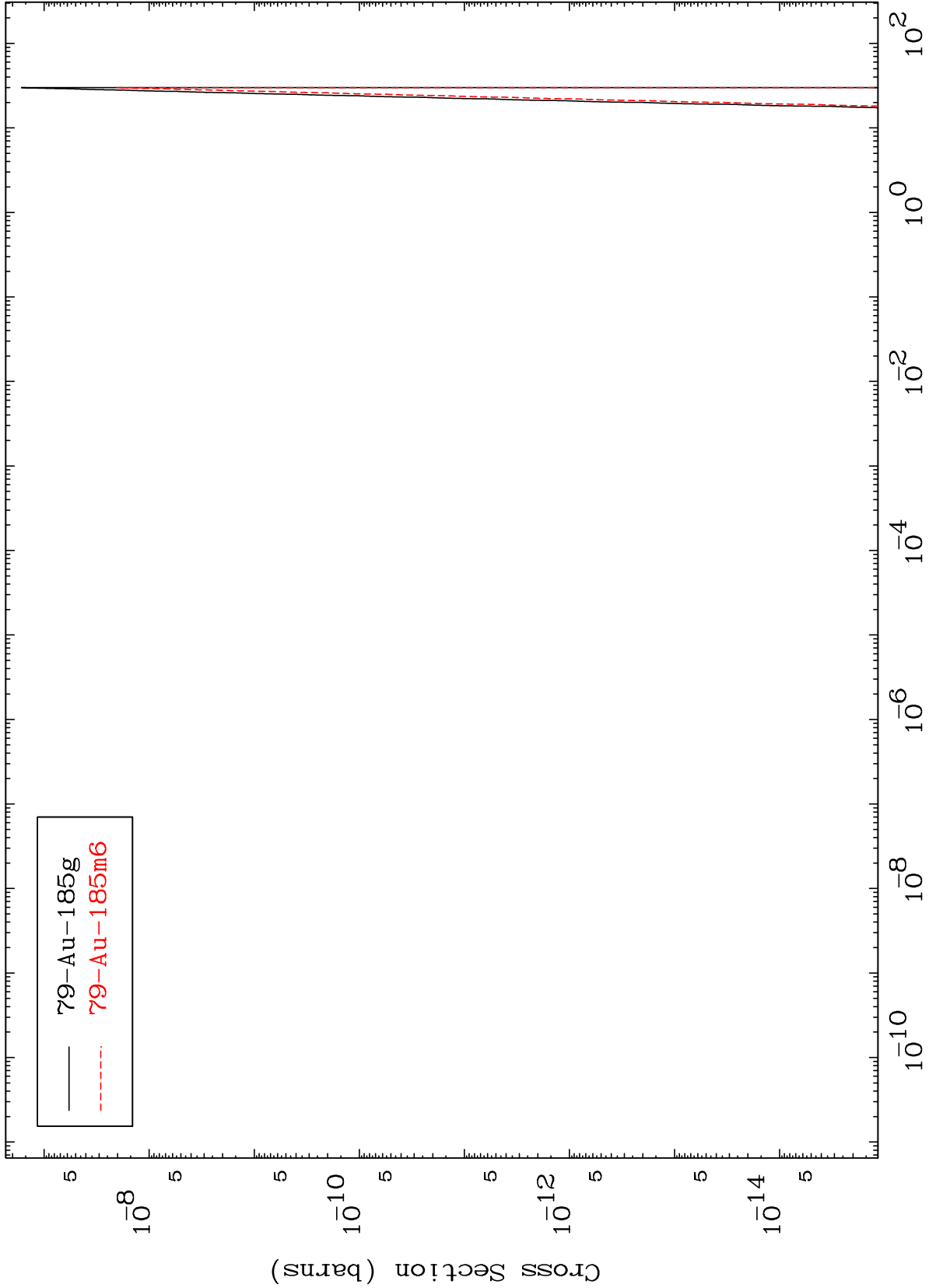
83-Bi-194n

MAT 8282

(n,2n) 2 α

83-Bi-194n

Radionuclide Production Cross Section



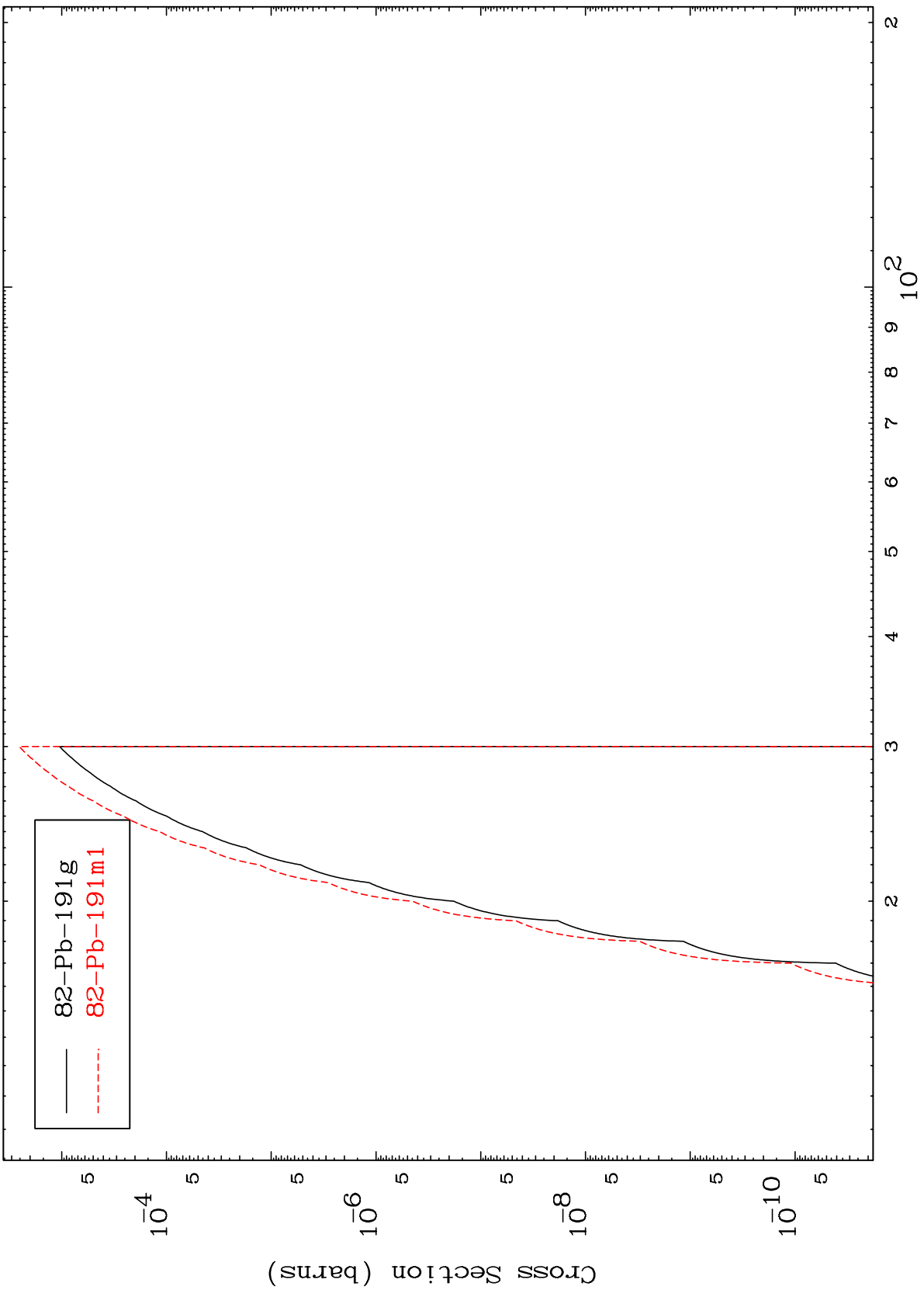
— 79-Au-185g
- - - 79-Au-185m6

MAT 8282

(n,n') t

83-Bi-194n

Radionuclide Production Cross Section

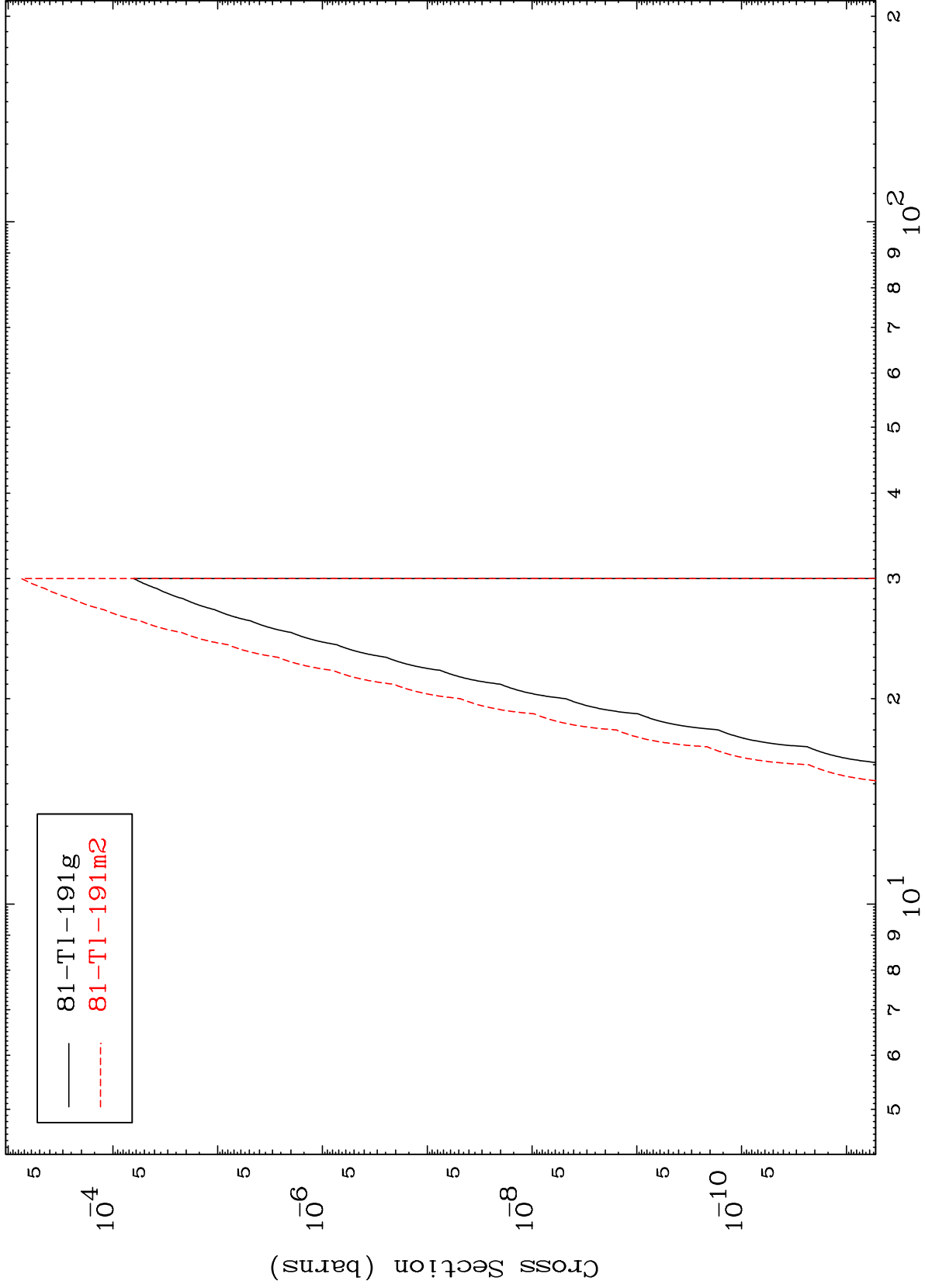


MAT 8282

(n,n') He-3

83-Bi-194n

Radionuclide Production Cross Section



30

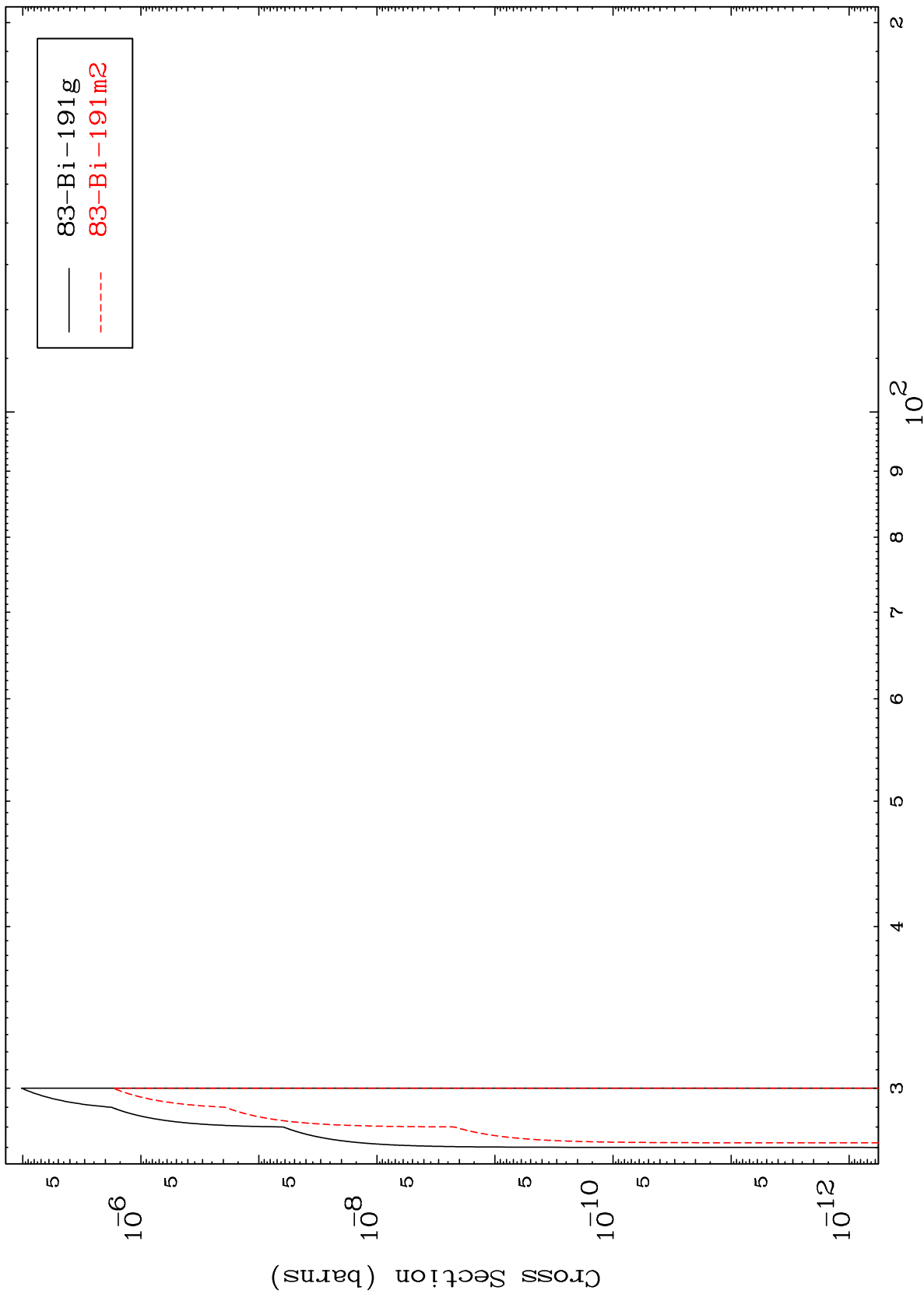
Incident Energy (MeV)

83-Bi-194n

MAT 8282

$^{83}\text{Bi}-194\text{n}$

$(n,4n)$
Radionuclide Production Cross Section

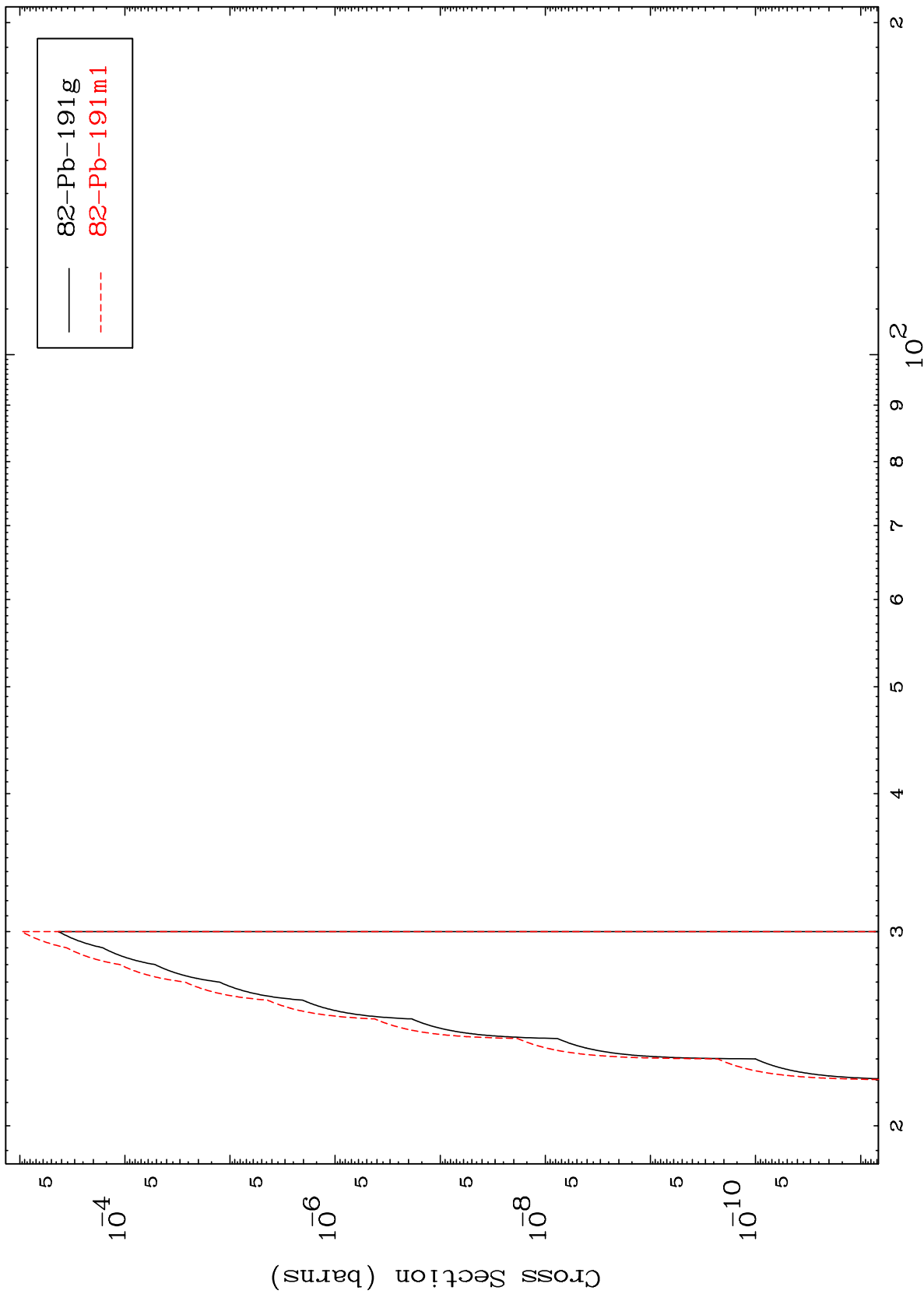


MAT 8282

(n,3n) p

83-Bi-194n

Radionuclide Production Cross Section



32

Incident Energy (MeV)

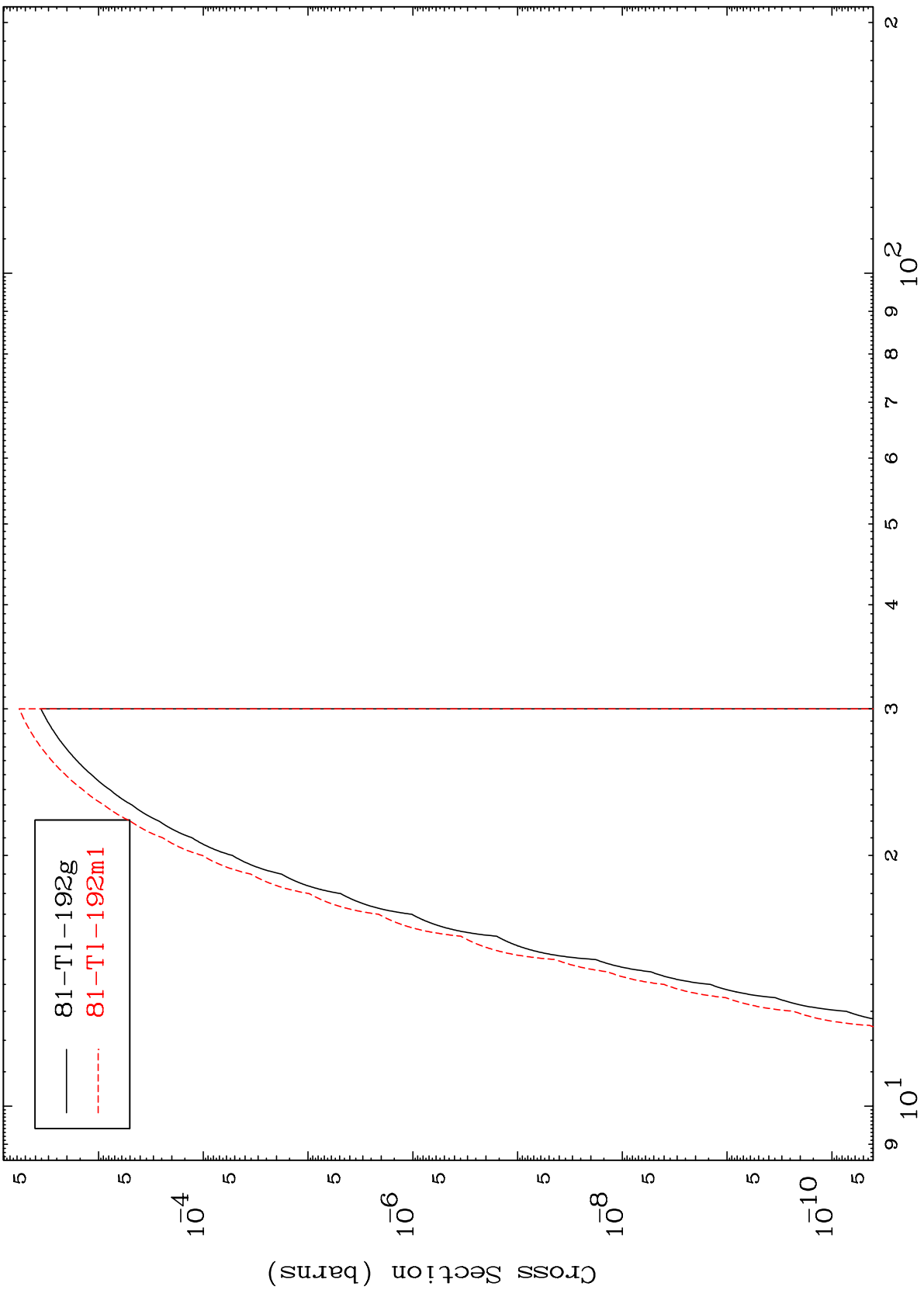
83-Bi-194n

MAT 8282

(n,2n) p

83-Bi-194n

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-194n

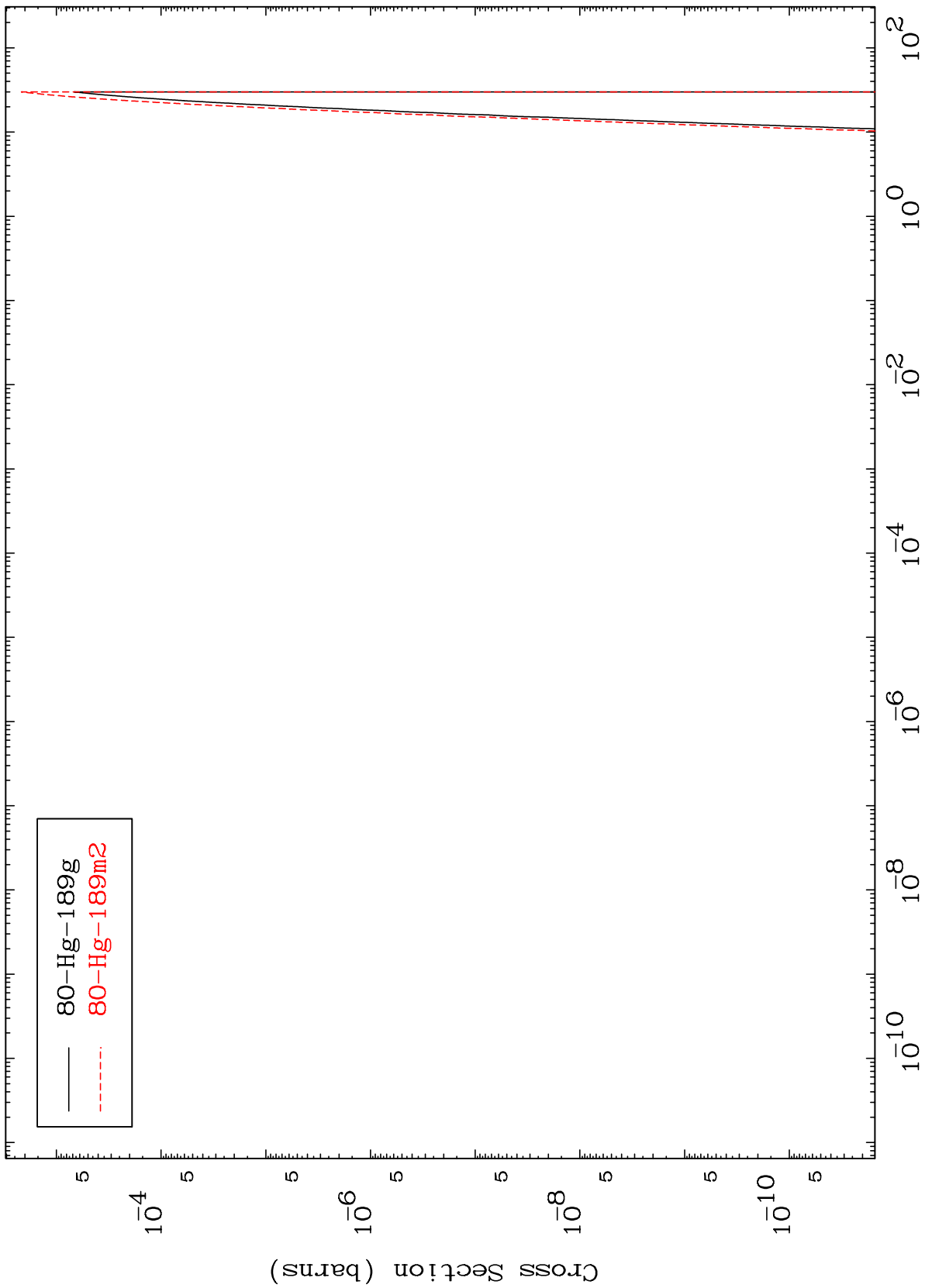
33

MAT 8282

(n,n') p α

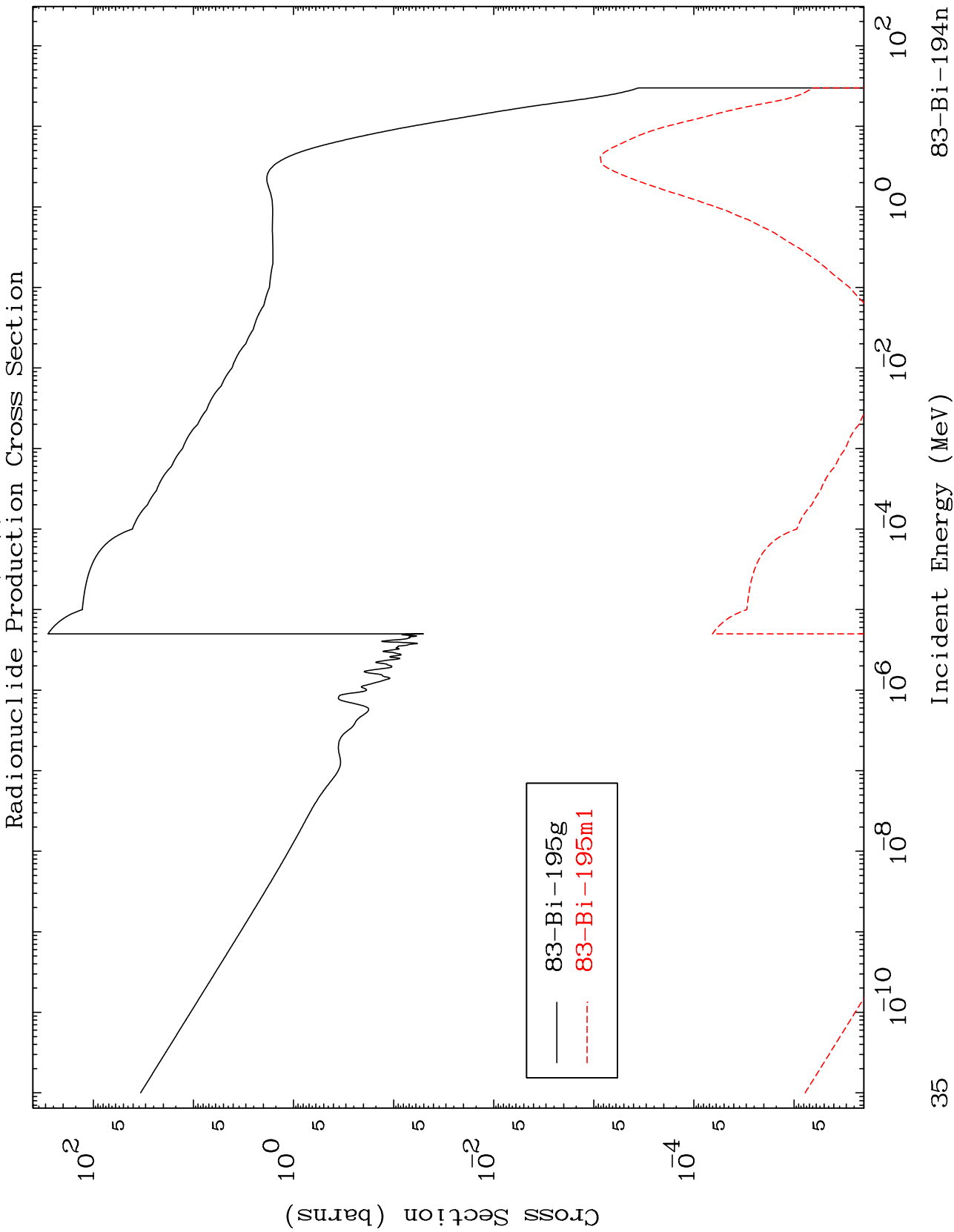
83-Bi-194n

Radionuclide Production Cross Section



MAT 8282

⁸³Bi-194n

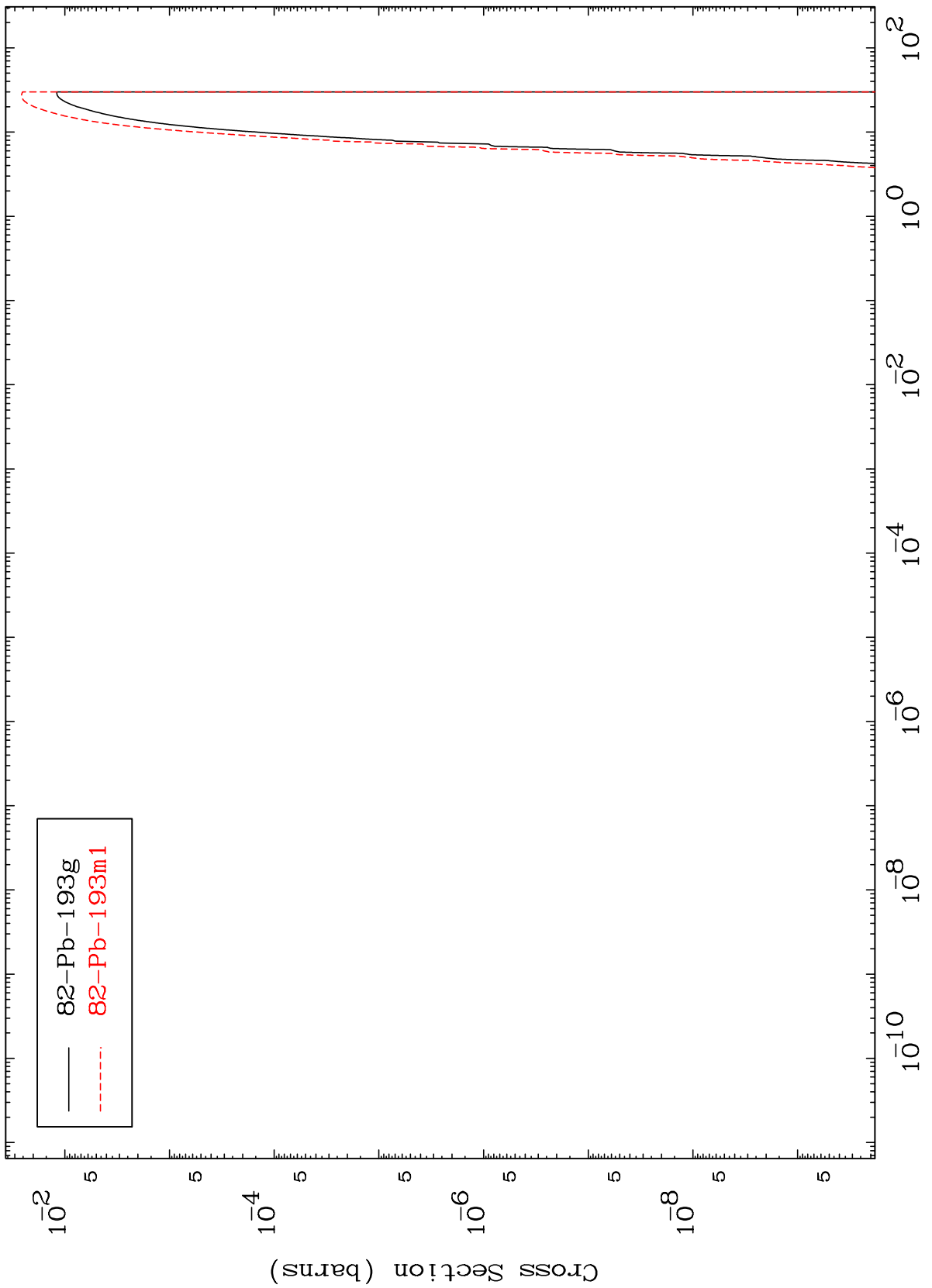


MAT 8282

(n,d)

83-Bi-194n

Radionuclide Production Cross Section

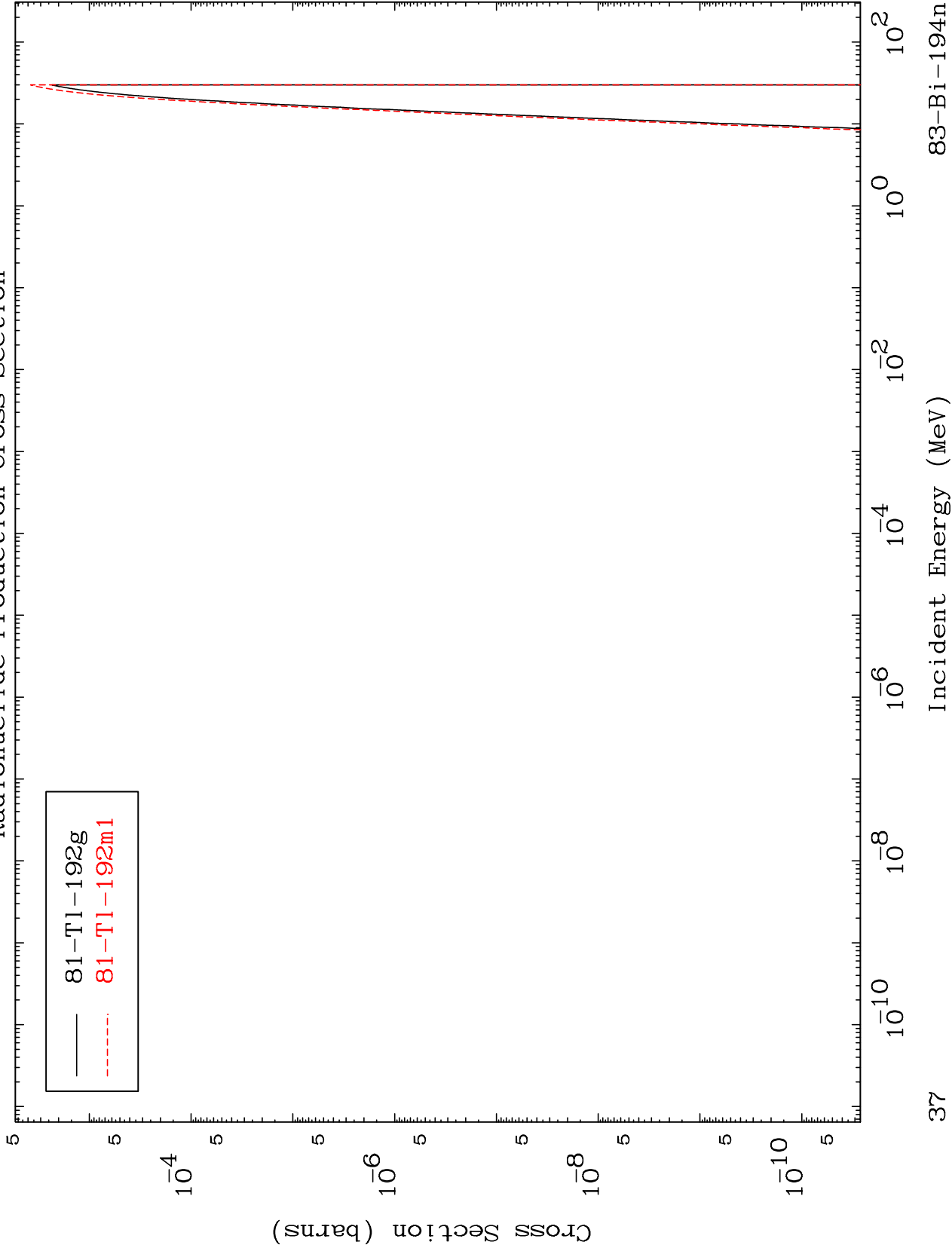


MAT 8282

(n,He-3)

83-Bi-194n

Radionuclide Production Cross Section

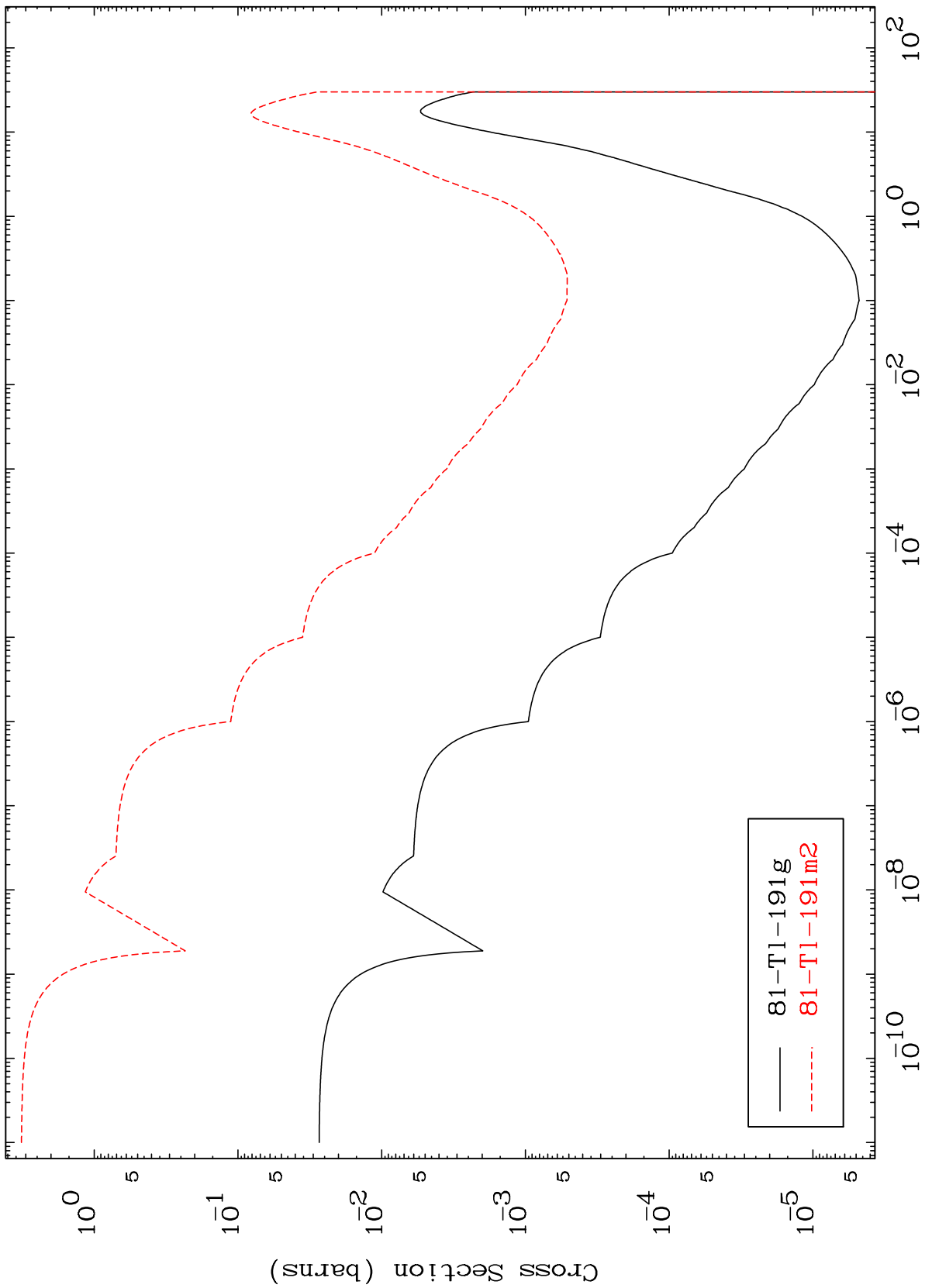


MAT 8282

(n, α)

83-Bi-194n

Radionuclide Production Cross Section



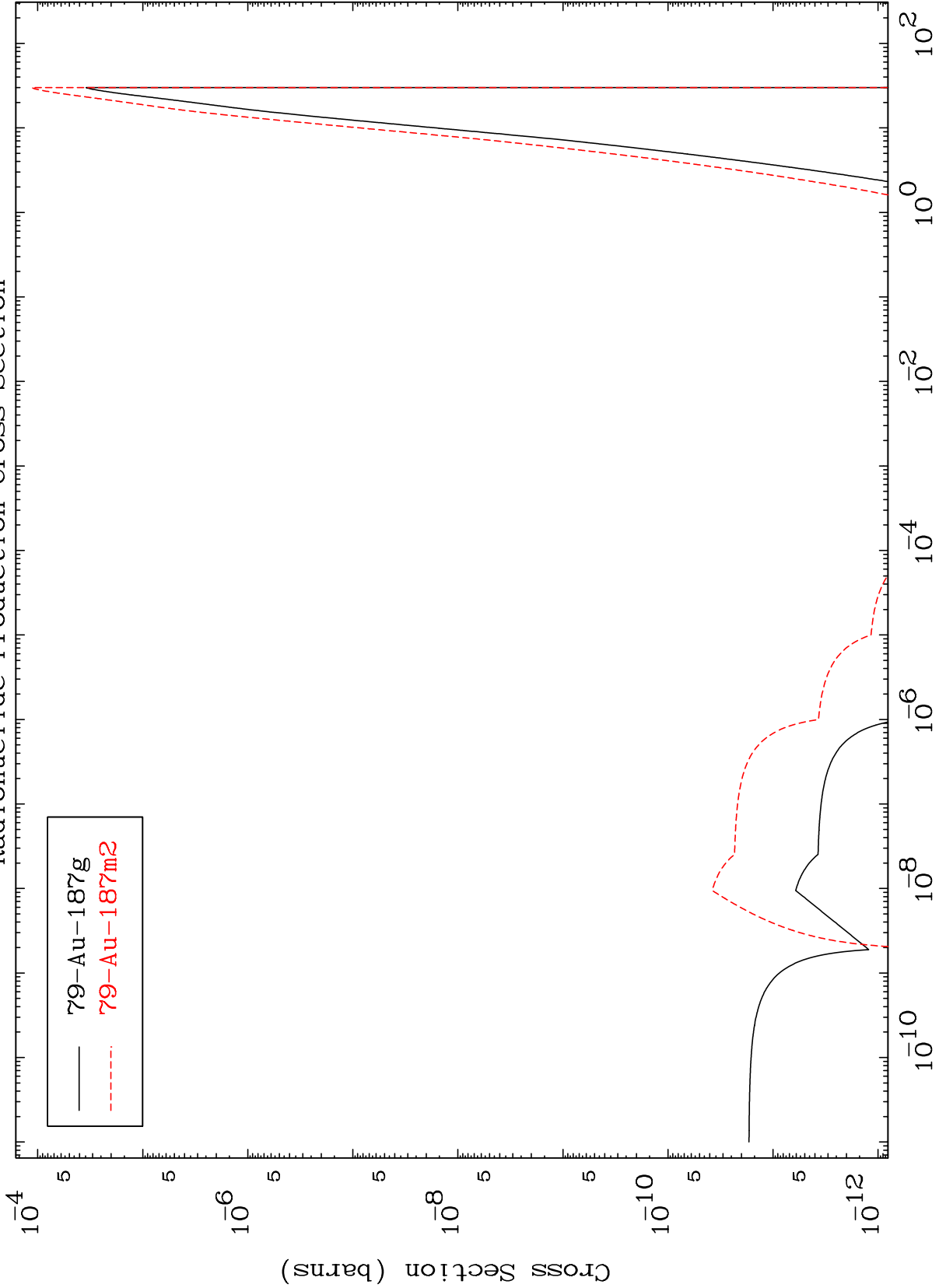
81-Tl-191g
81-Tl-191m2

MAT 8282

(n,2α)

⁸³Bi-194n

Radionuclide Production Cross Section

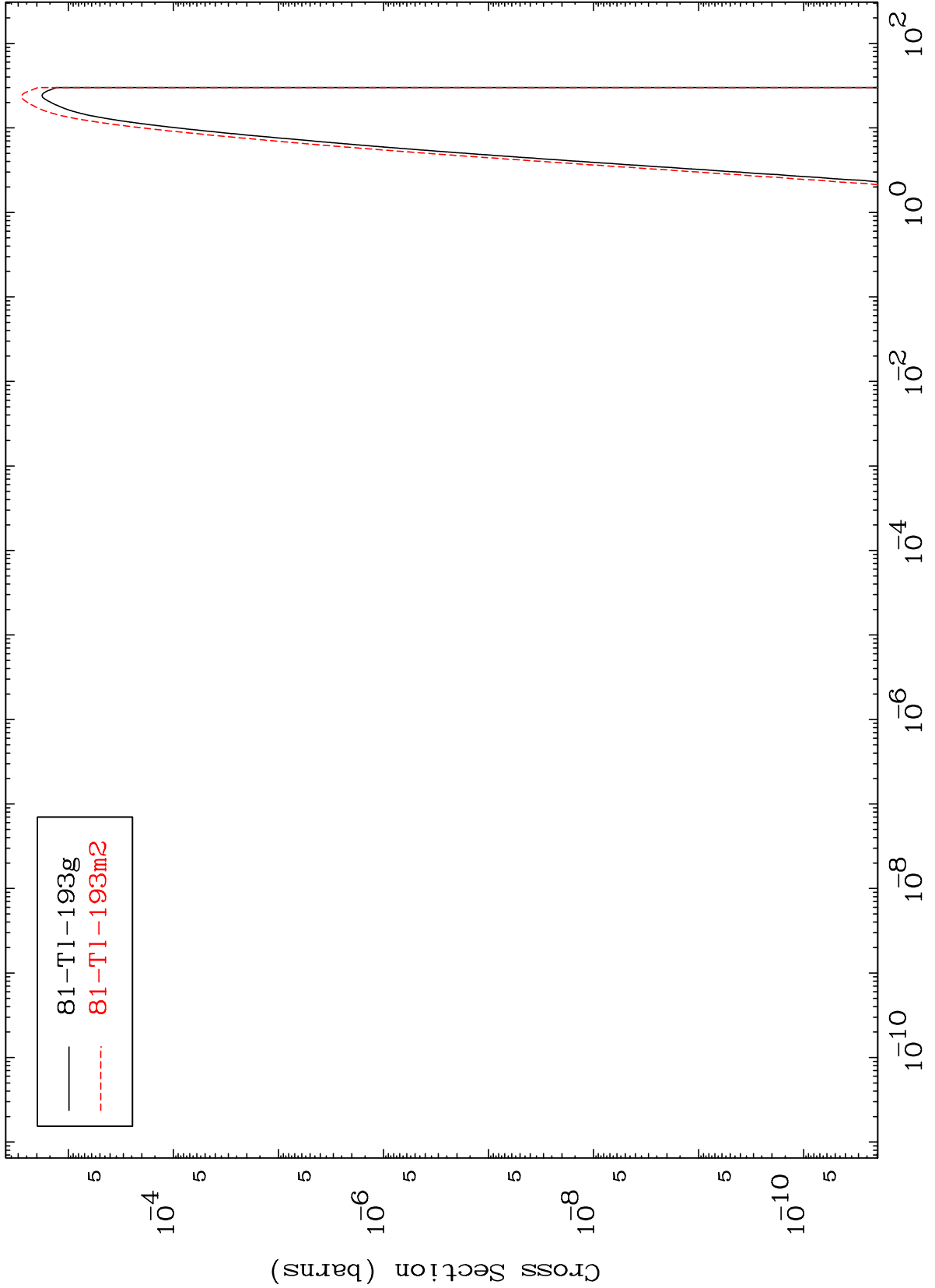


MAT 8282

(n,2p)

83-Bi-194n

Radionuclide Production Cross Section

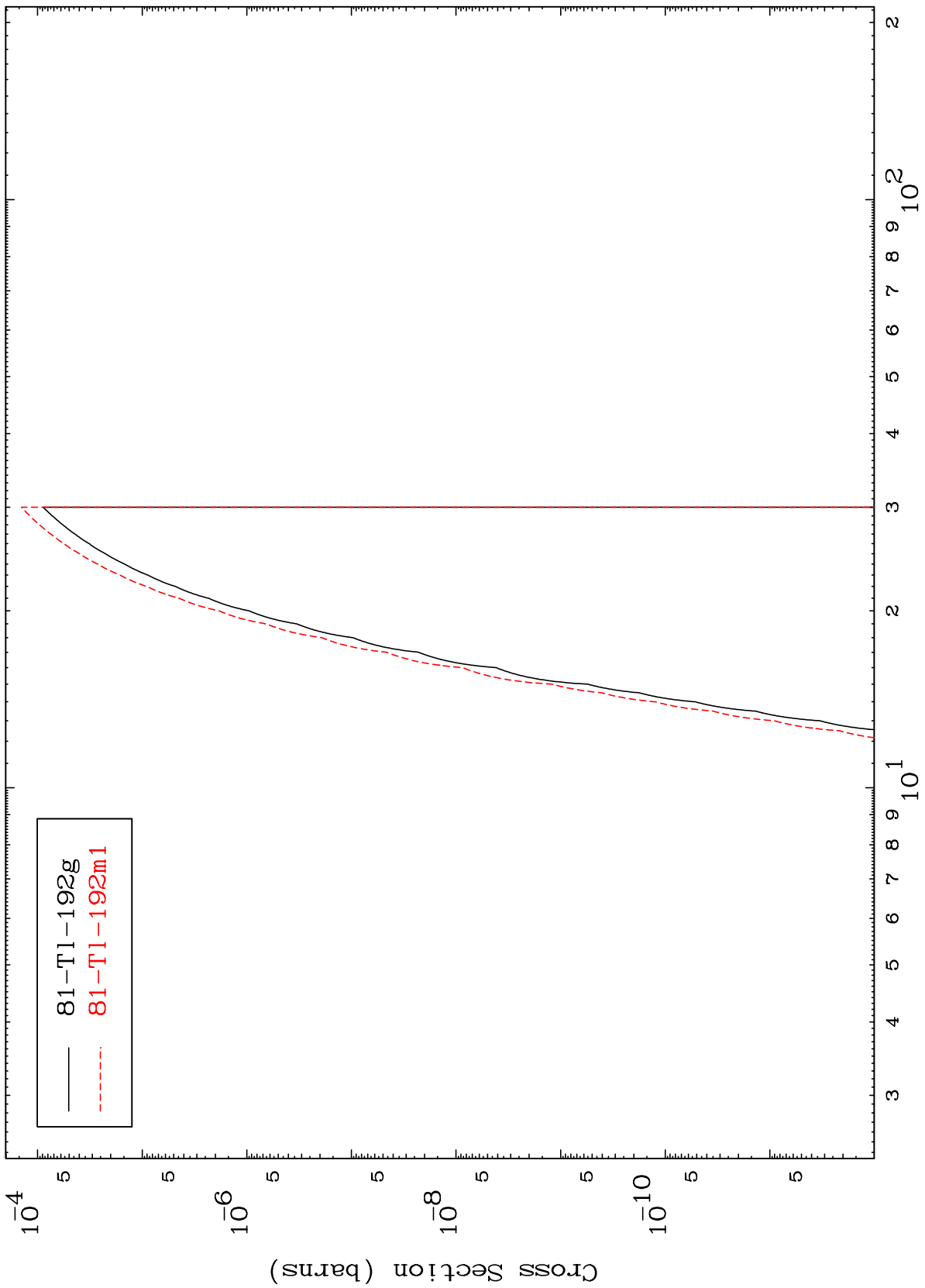


MAT 8282

(n,p) d

83-Bi-194n

Radionuclide Production Cross Section



41

Incident Energy (MeV)

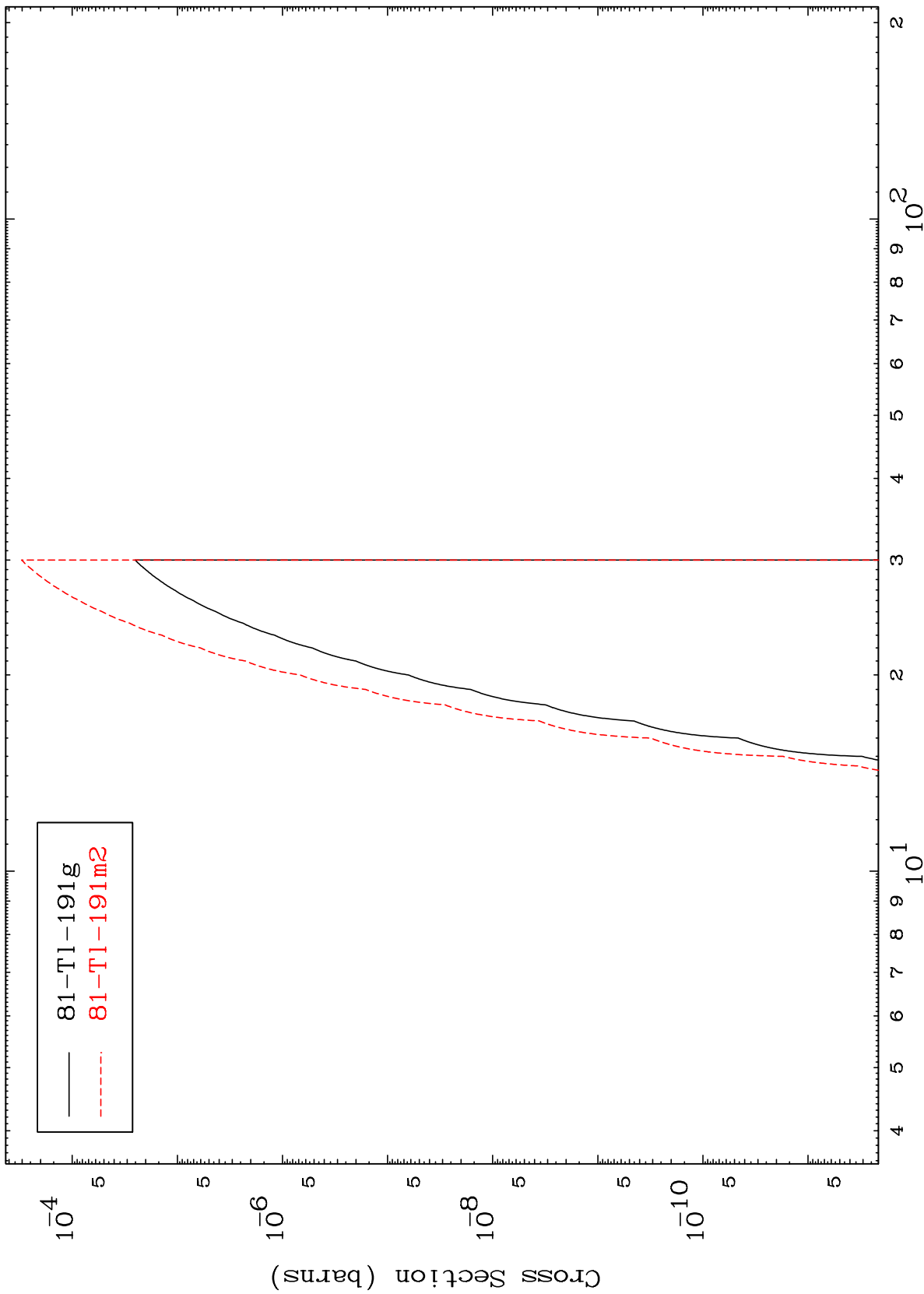
83-Bi-194n

MAT 8282

(n,p) t

83-Bi-194n

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-194n

42

MAT 8282

(n,d) α

$^{83}\text{Bi}-194\text{n}$

Radionuclide Production Cross Section

