

Program EVALPLOT
(Version 2018-1)

by

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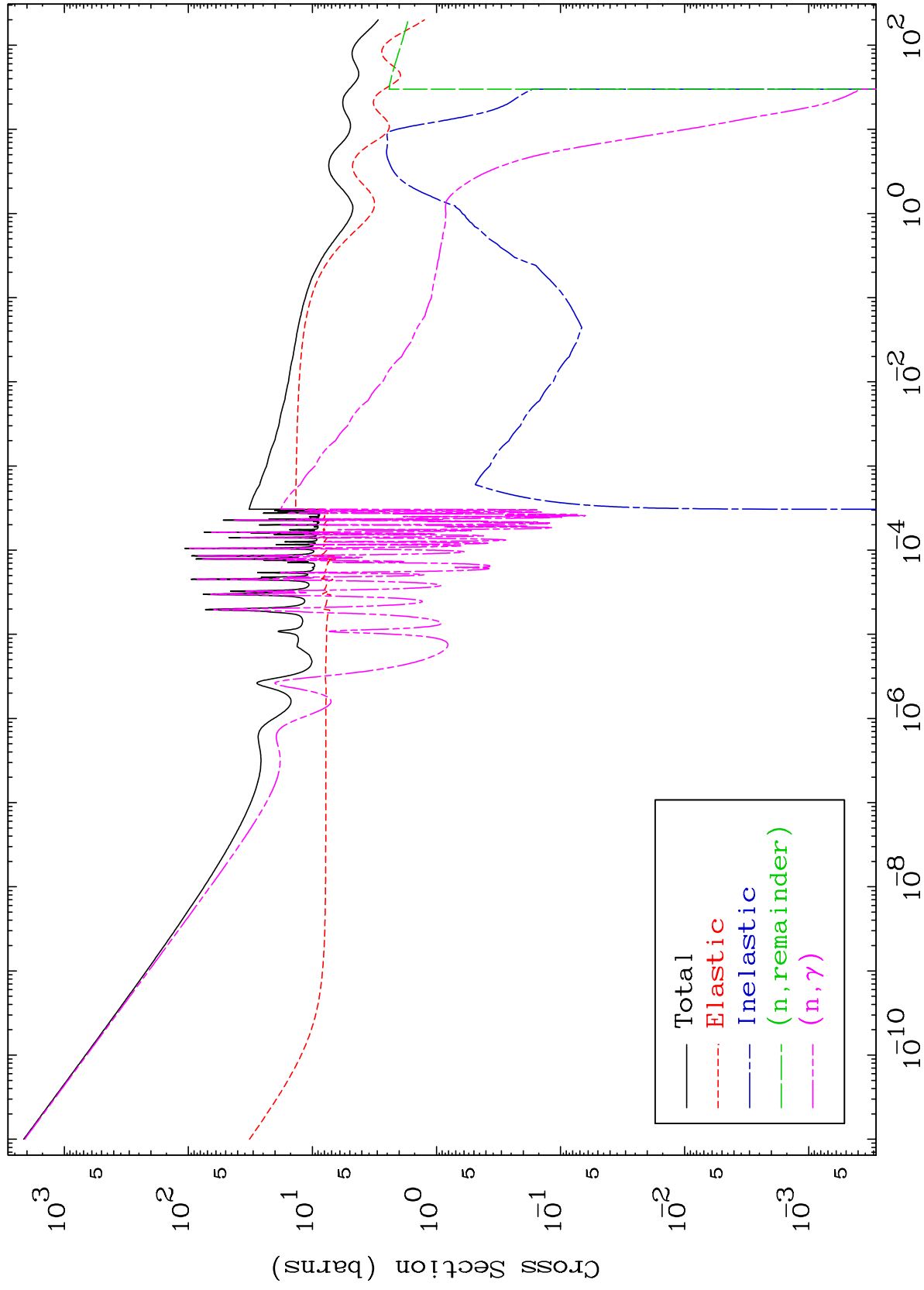
Press Mouse Button to Start

MAT 8302

Major

293 Kelvin Cross Sections

83-Bi-201



1

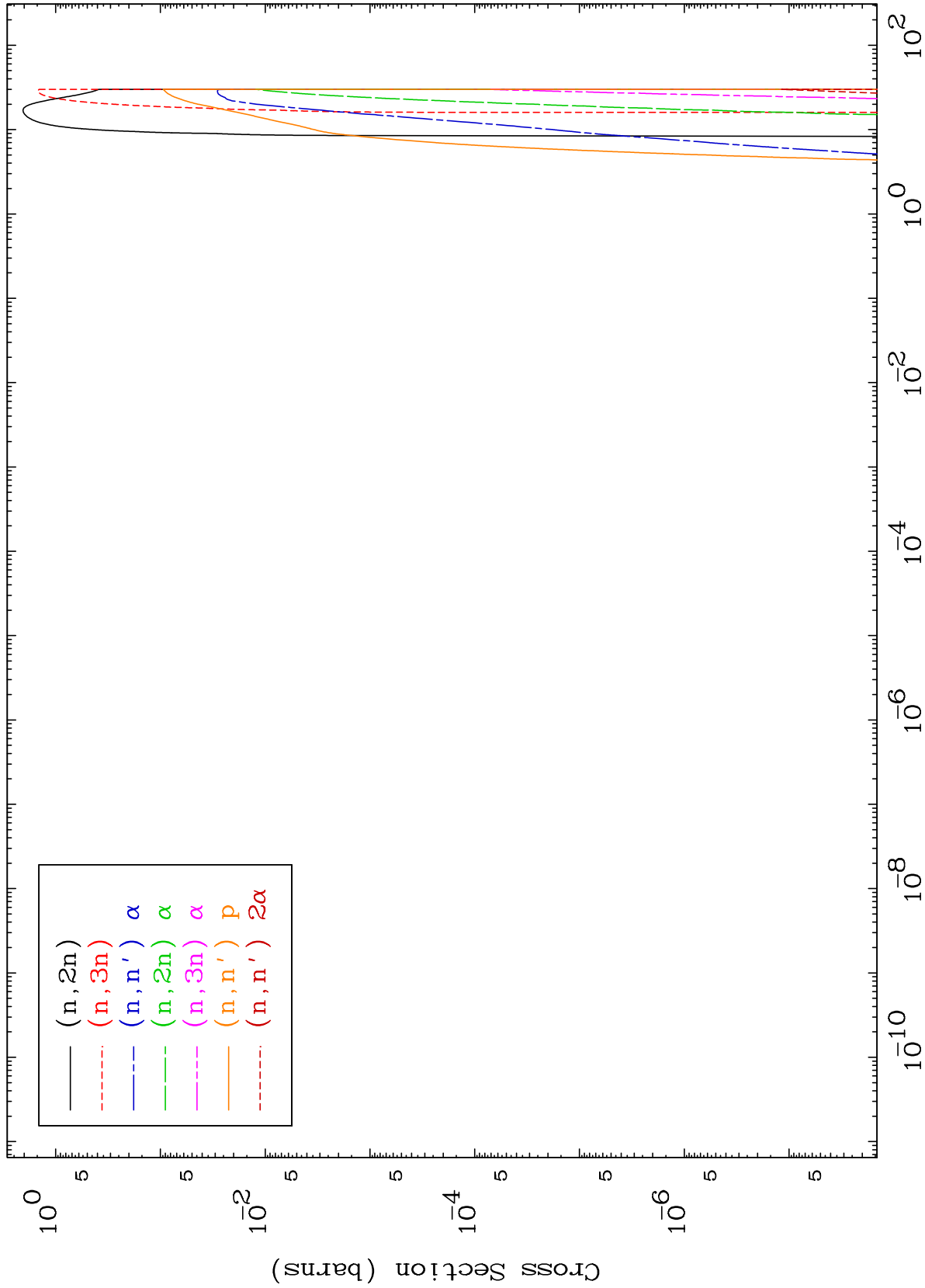
Incident Energy (MeV)

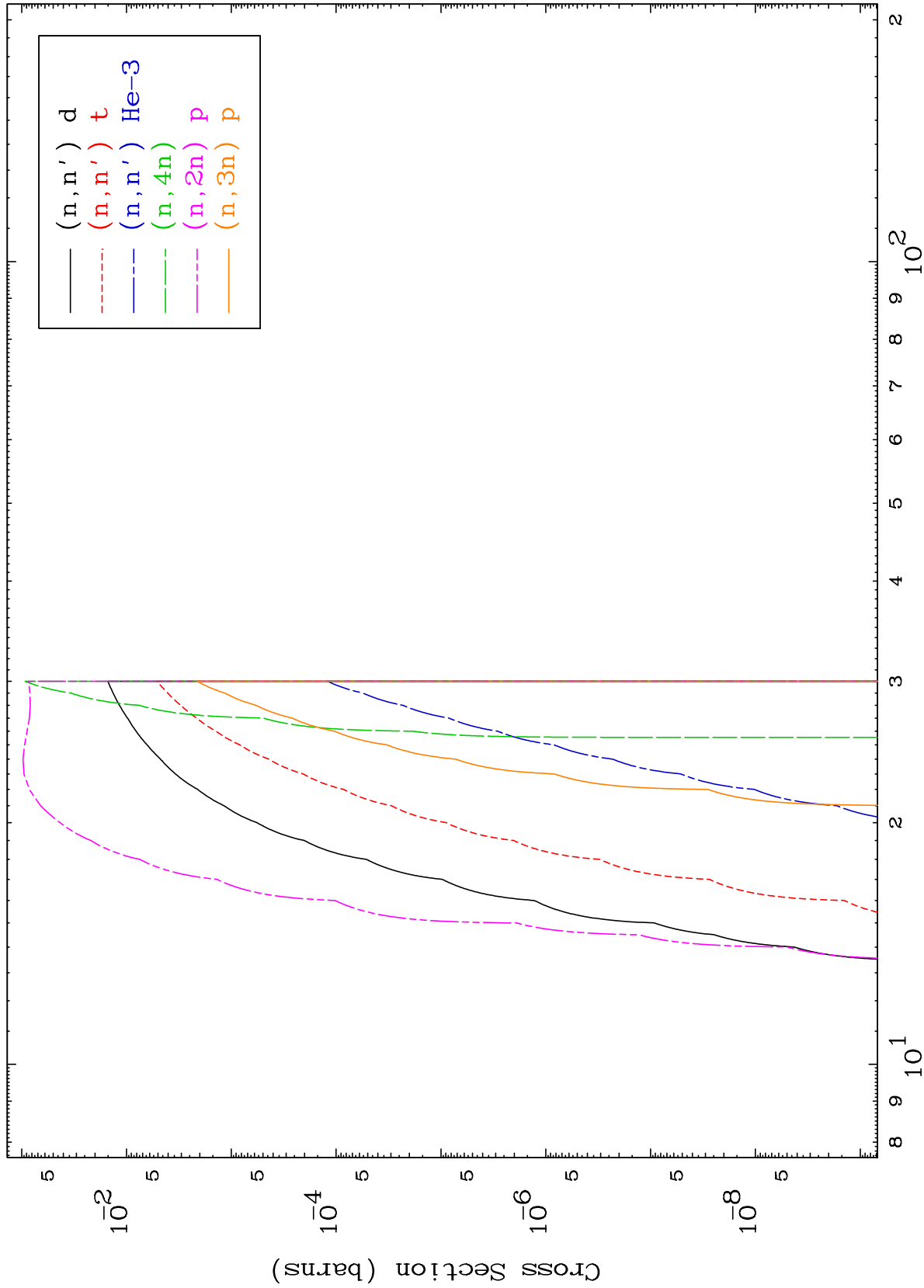
83-Bi-201

MAT 8302

Neutron Production
293 Kelvin Cross Sections

83-Bi-201

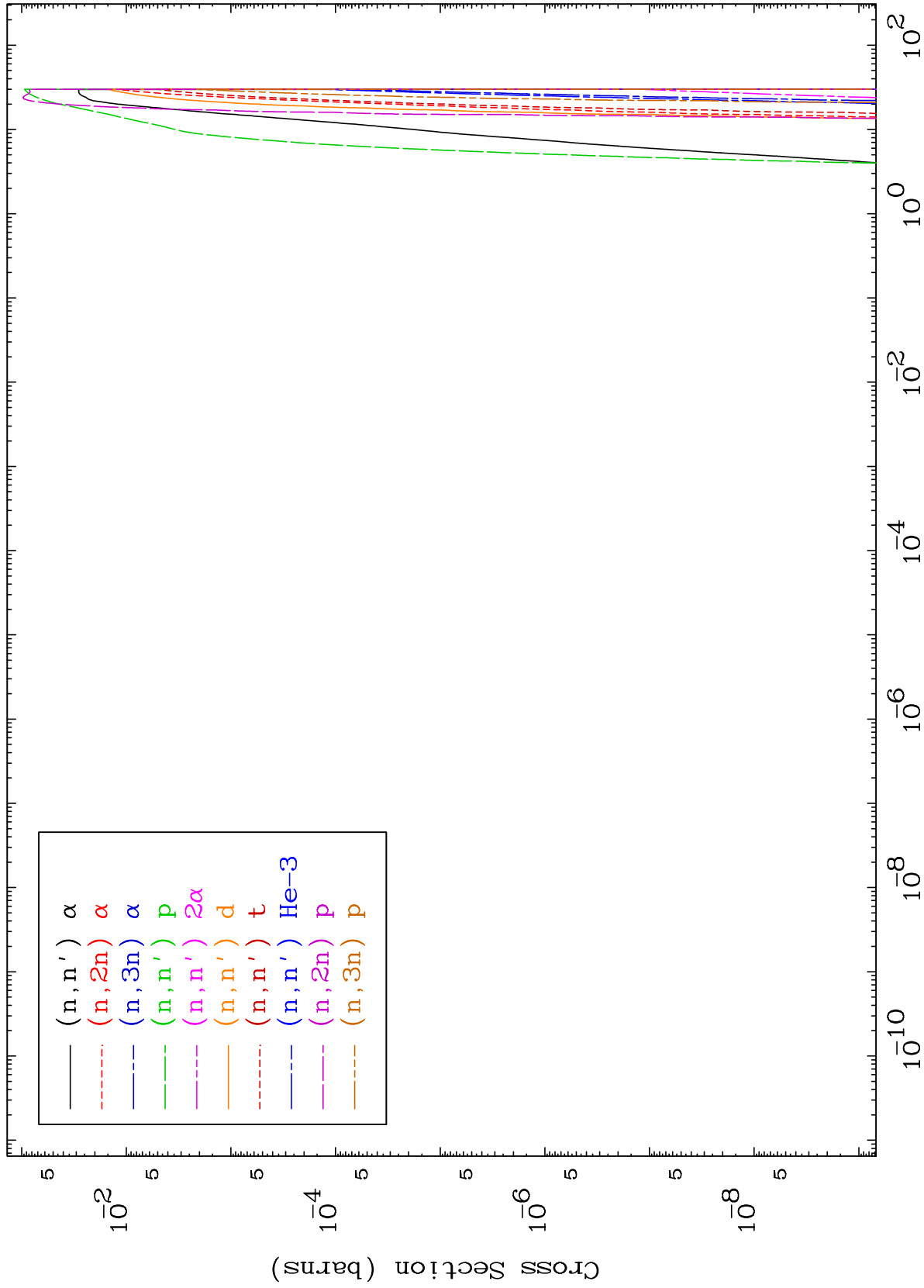


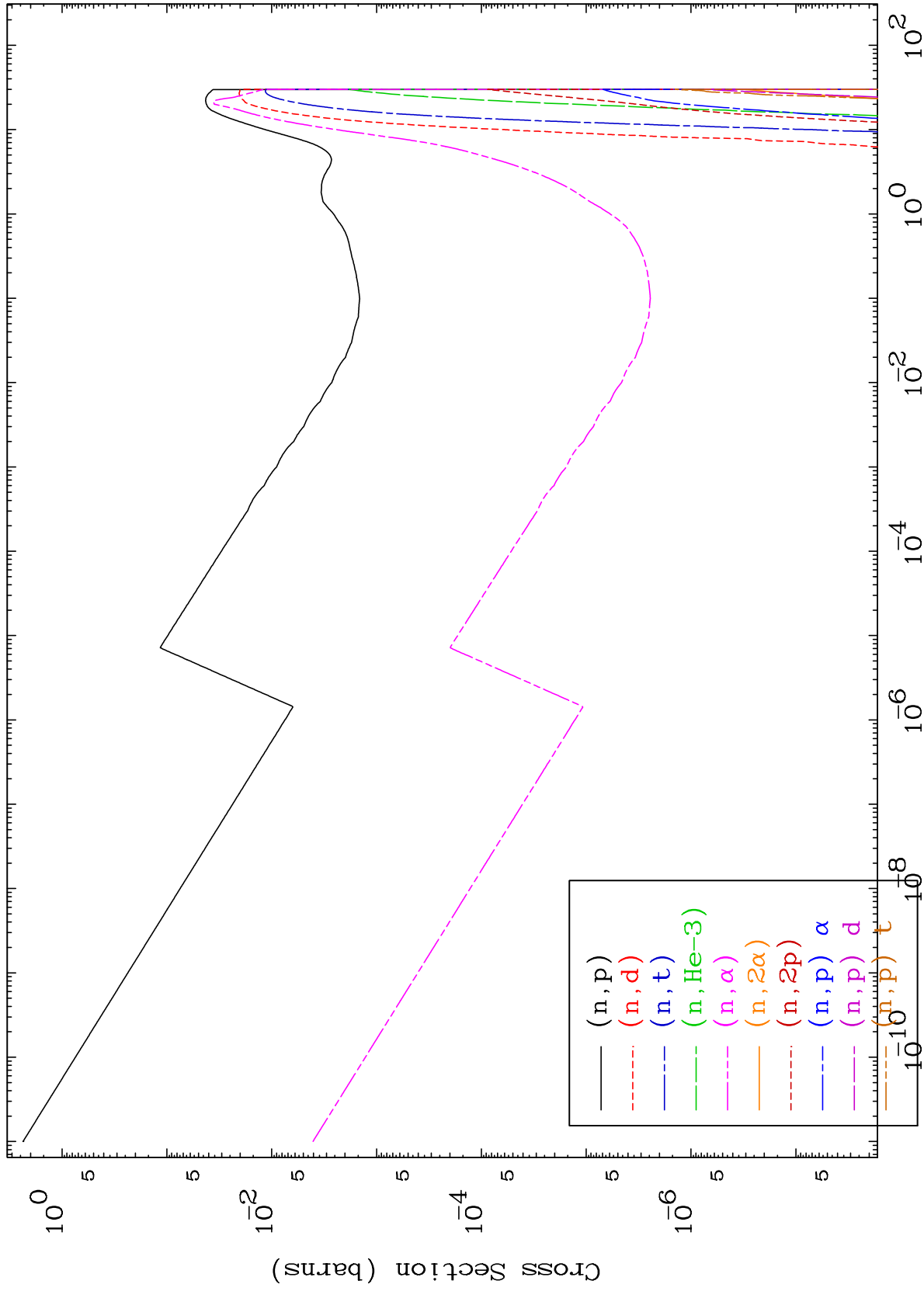


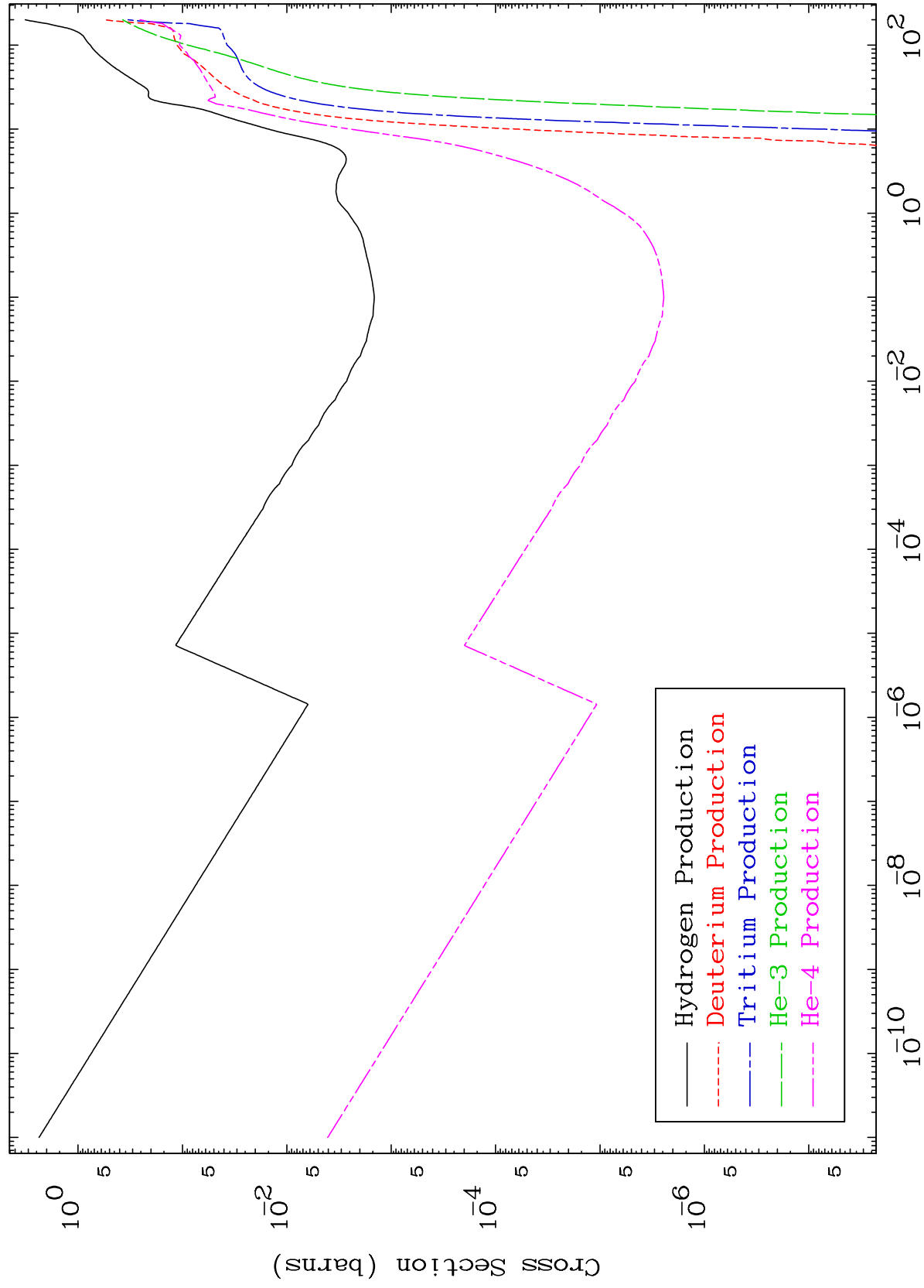
MAT 8302

Charged Particle
293 Kelvin Cross Sections

83-Bi-201



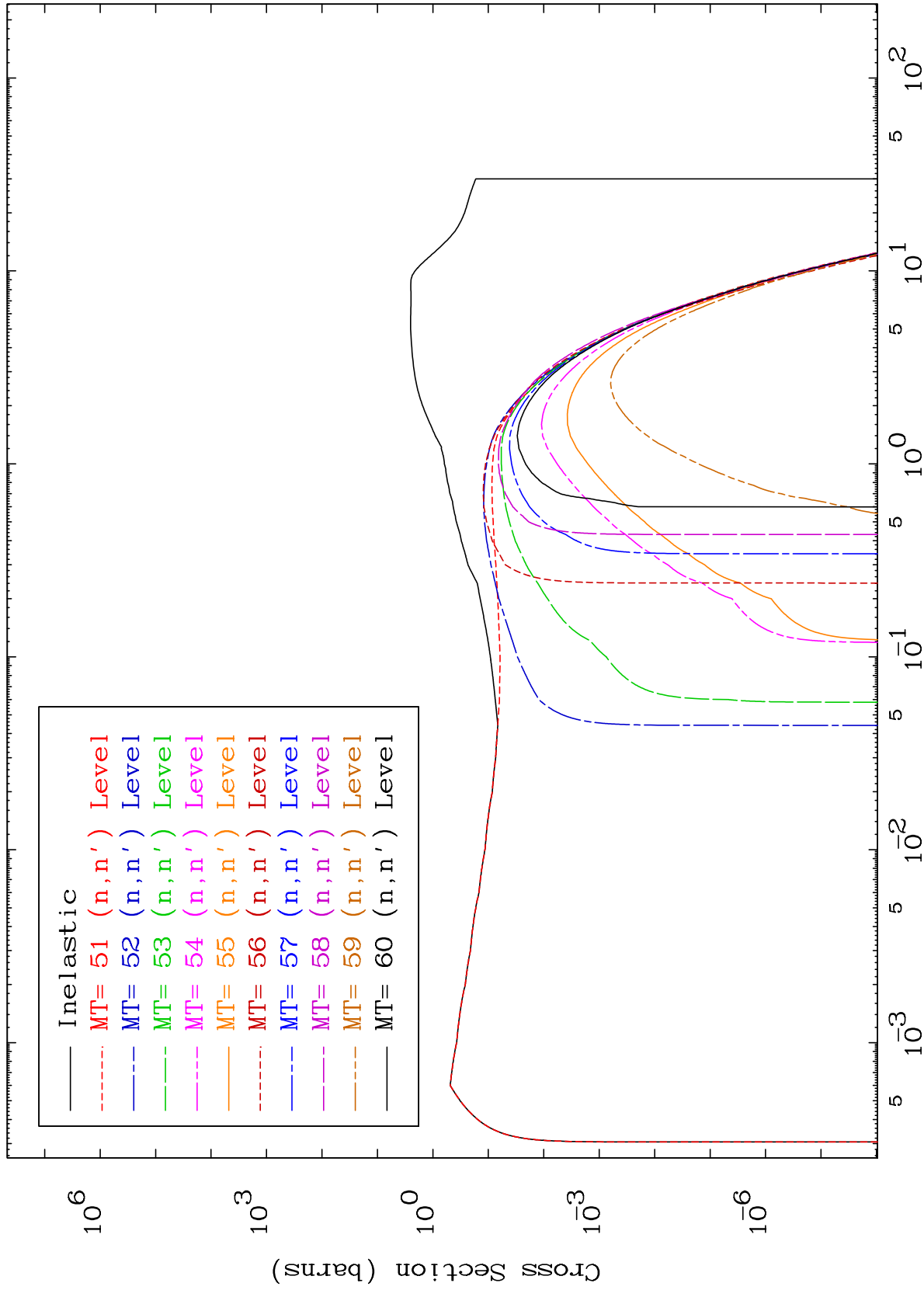




MAT 8302

(n,n') Level
293 Kelvin Cross Sections

83-Bi-201

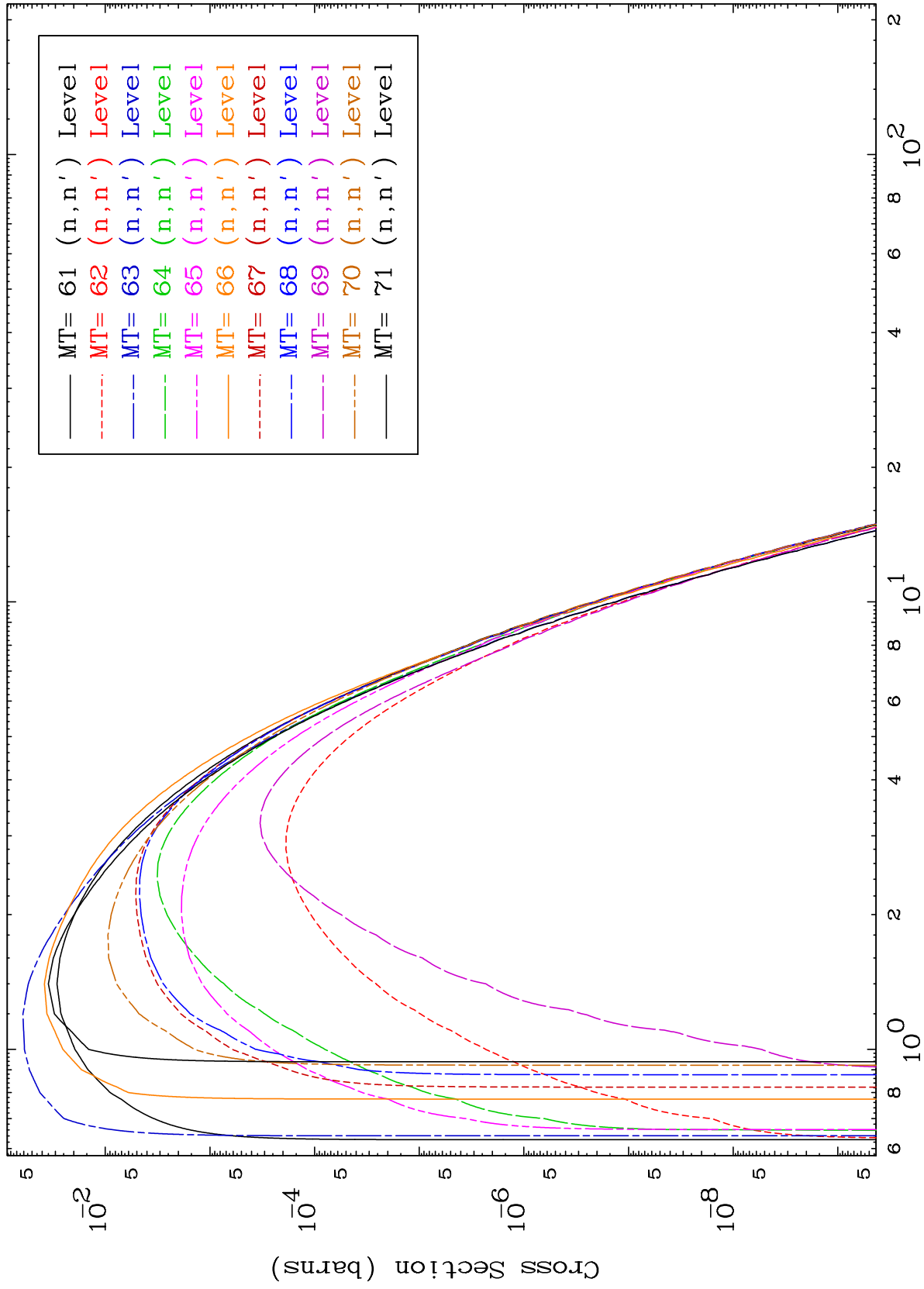


MAT 8302

(n,n') Level

293 Kelvin Cross Sections

83-Bi-201



8

Incident Energy (MeV)

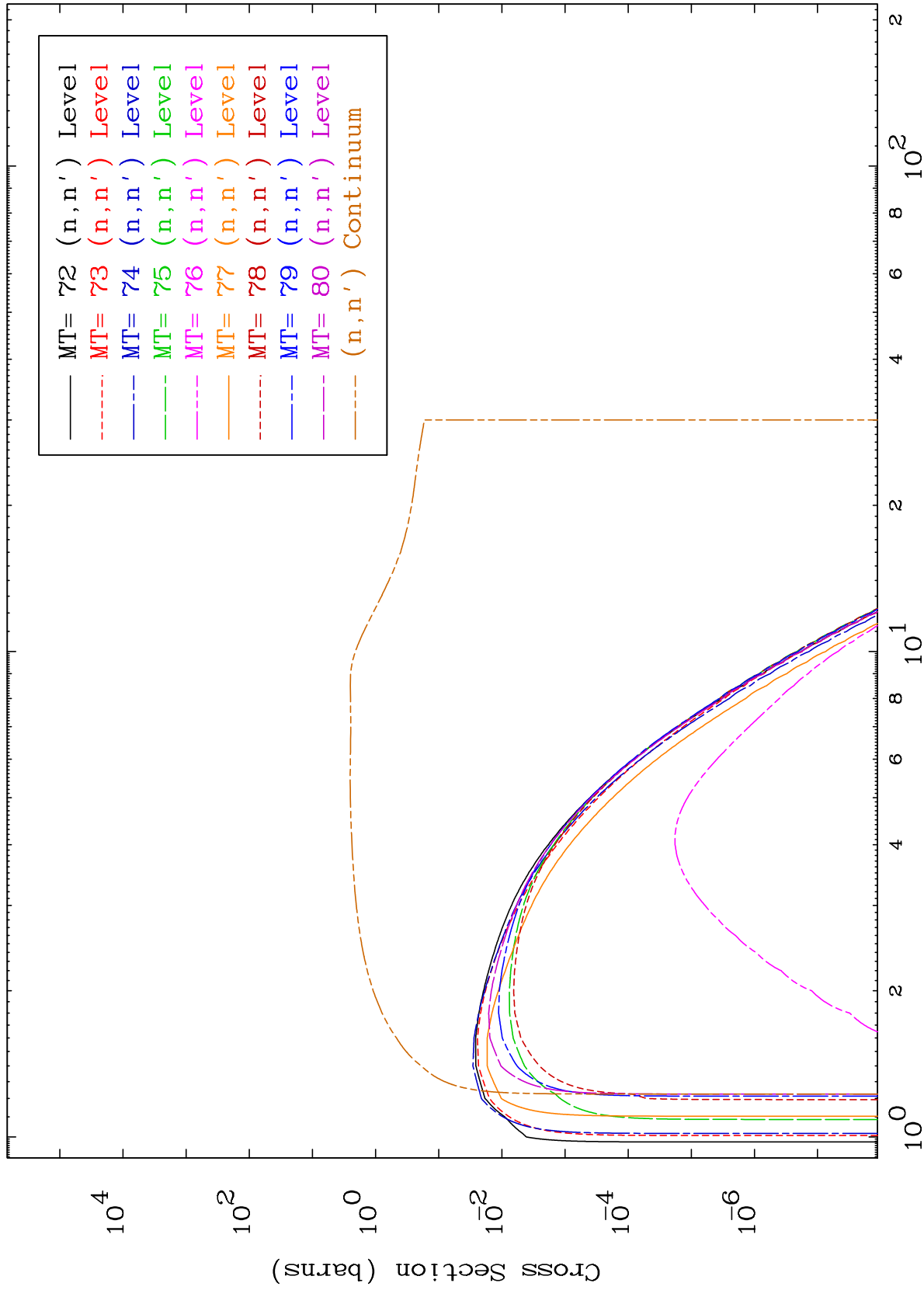
83-Bi-201

MAT 8302

(n,n') Level

83-Bi-201

293 Kelvin Cross Sections



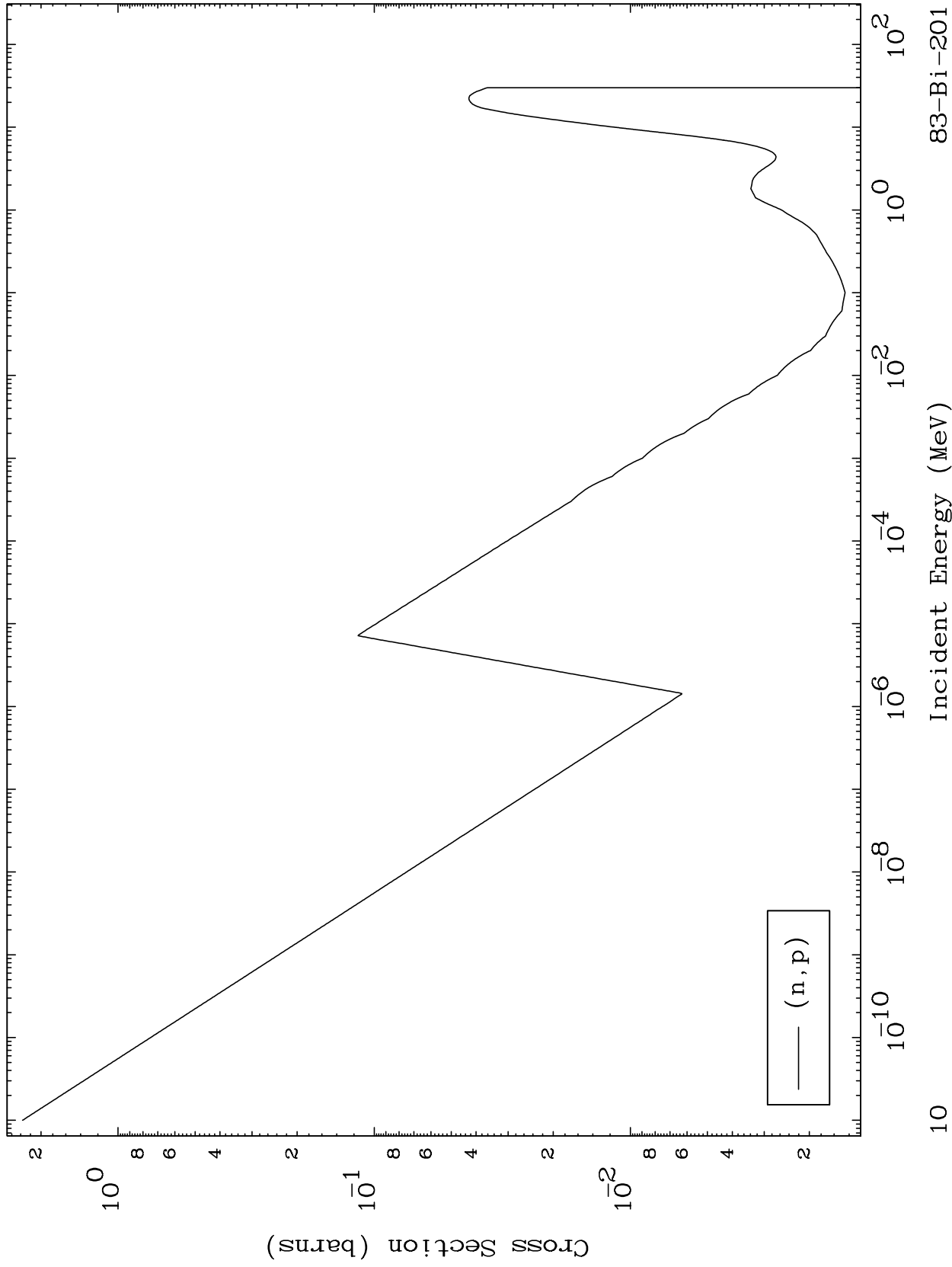
Incident Energy (MeV)

83-Bi-201

MAT 8302

(n,p) Levels
293 Kelvin Cross Sections

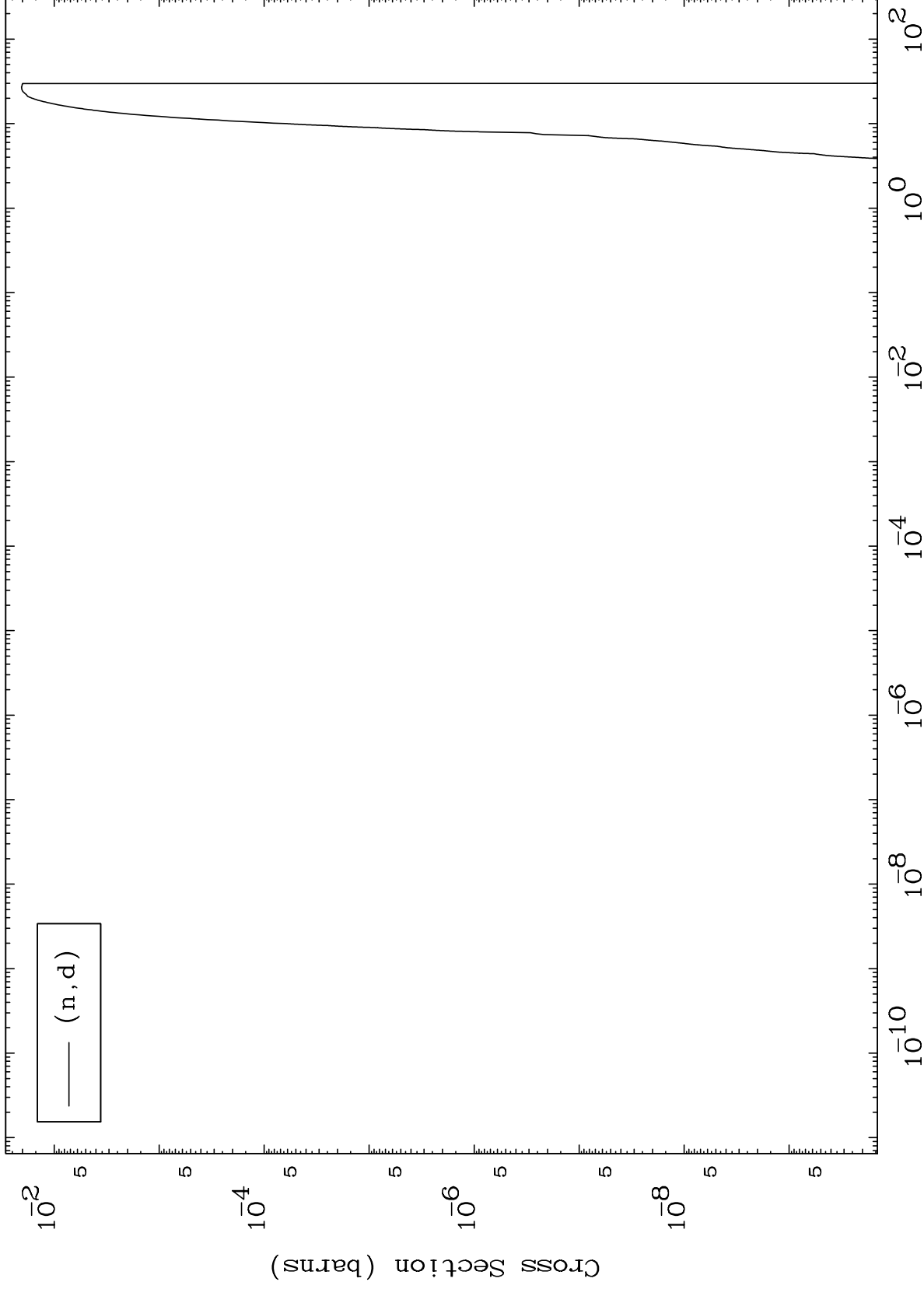
83-Bi-201



MAT 8302

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-201



11

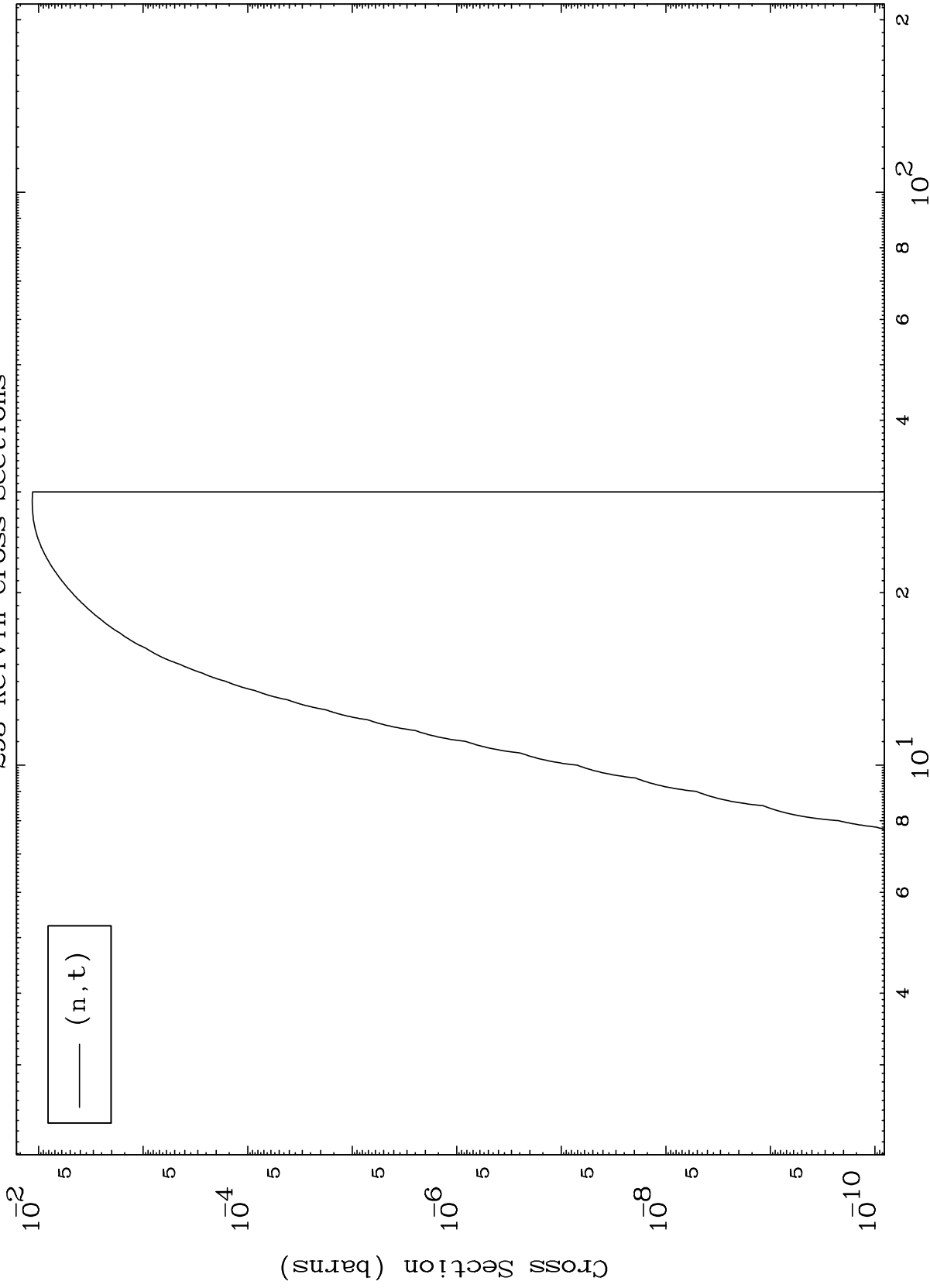
Incident Energy (MeV)

83-Bi-201

MAT 8302

83-Bi-201

(n,t) Levels
293 Kelvin Cross Sections



12

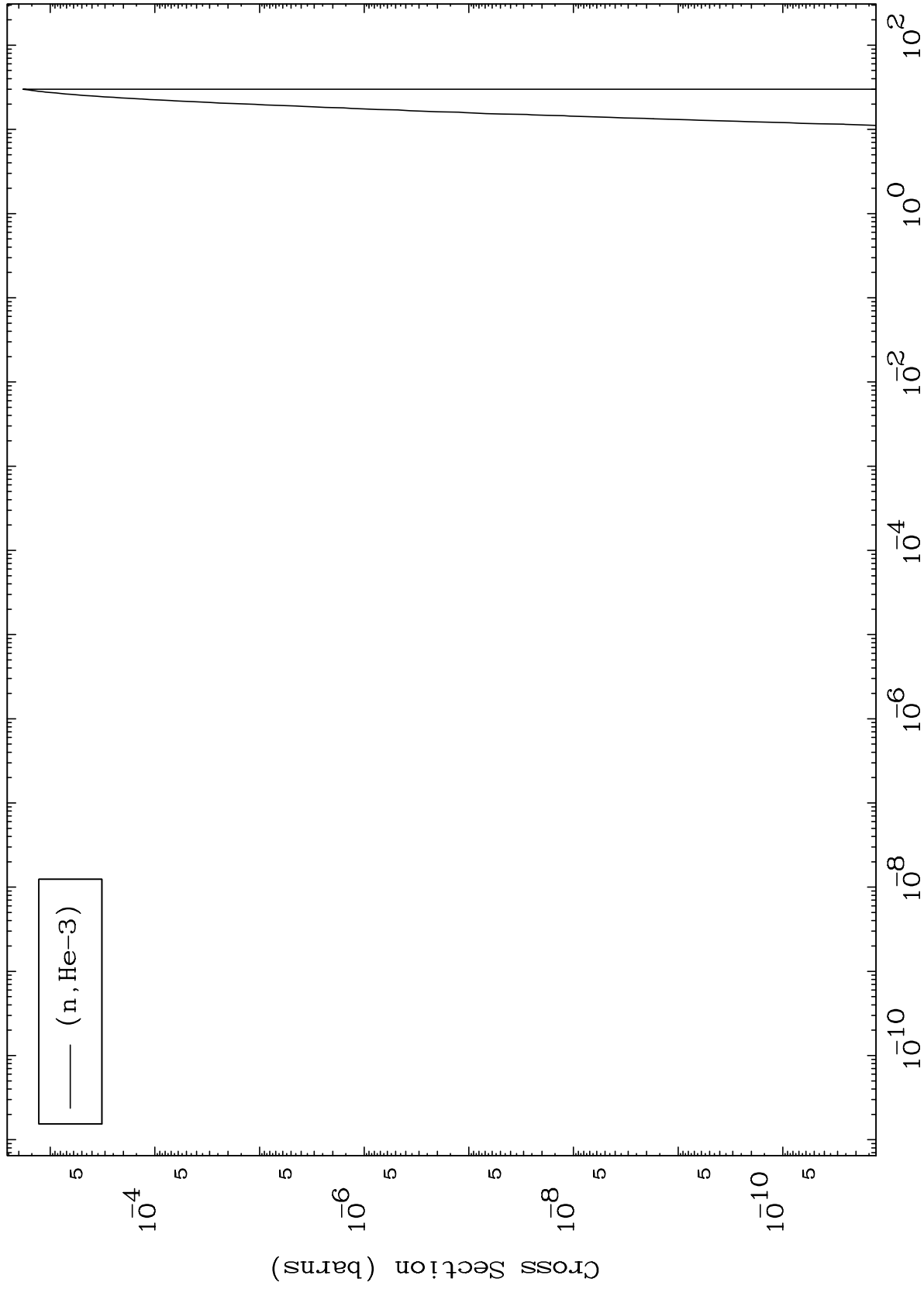
Incident Energy (MeV)

83-Bi-201

MAT 8302

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-201



13

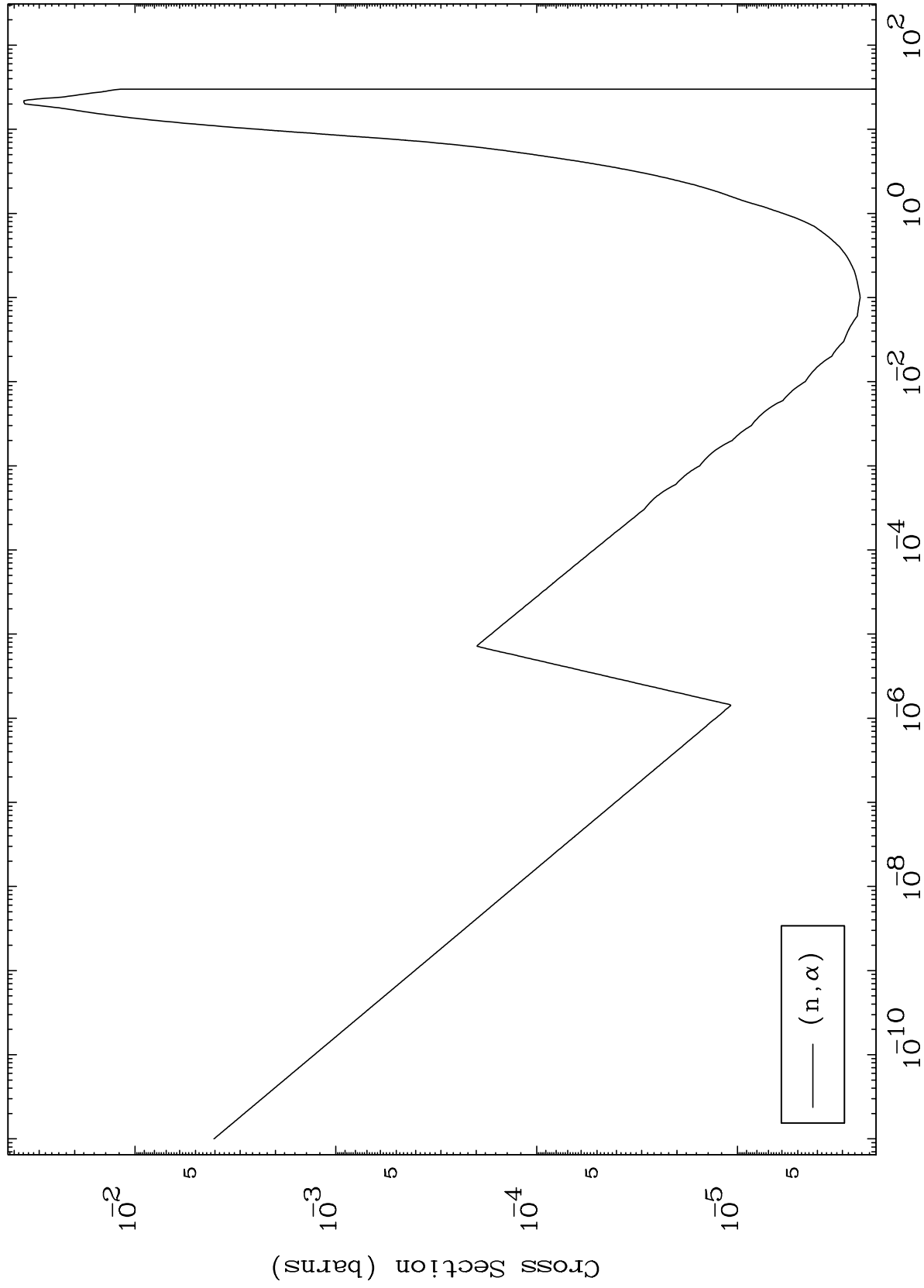
Incident Energy (MeV)

83-Bi-201

MAT 8302

(n, α) Levels
293 Kelvin Cross Sections

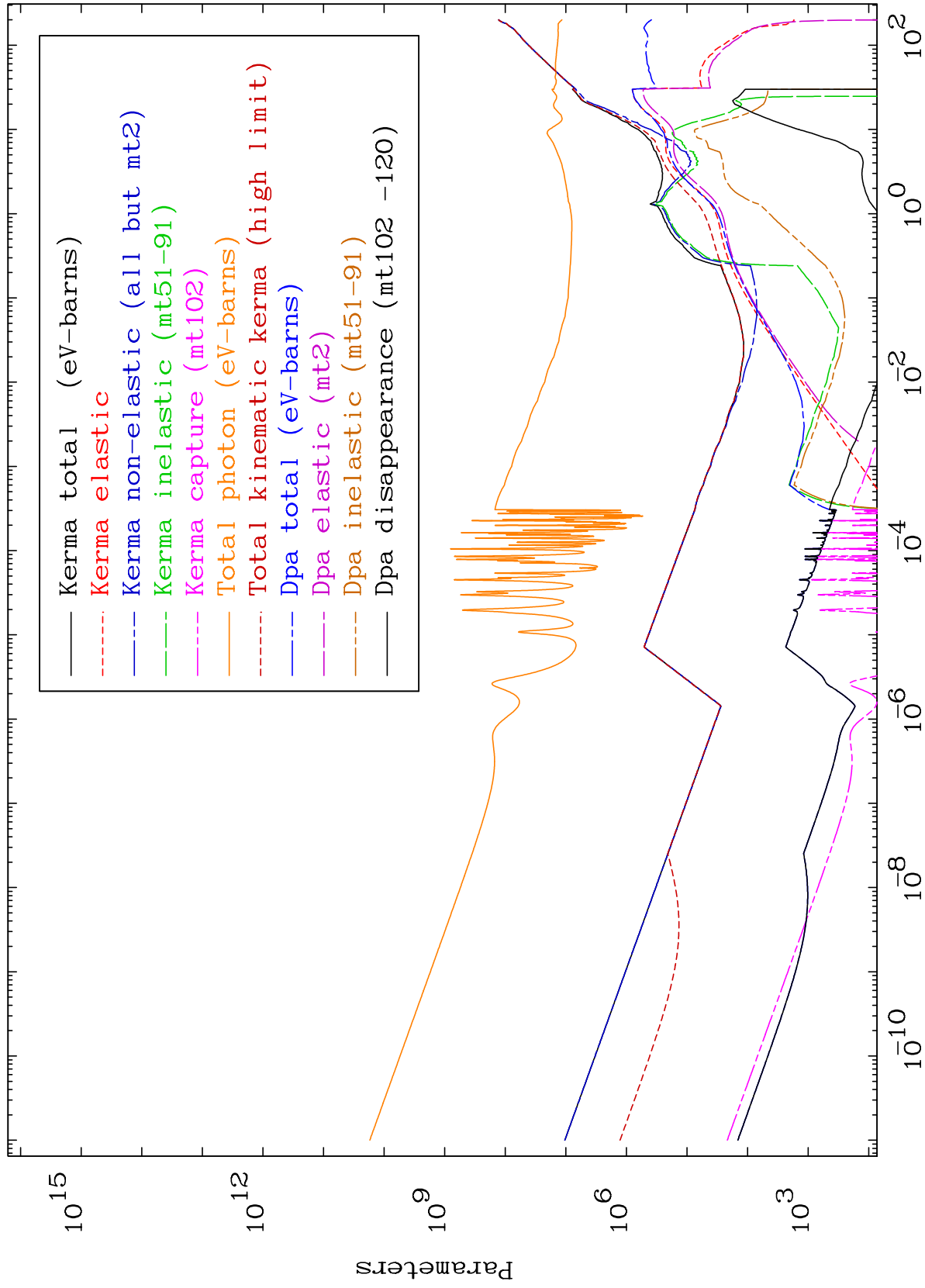
83-Bi-201

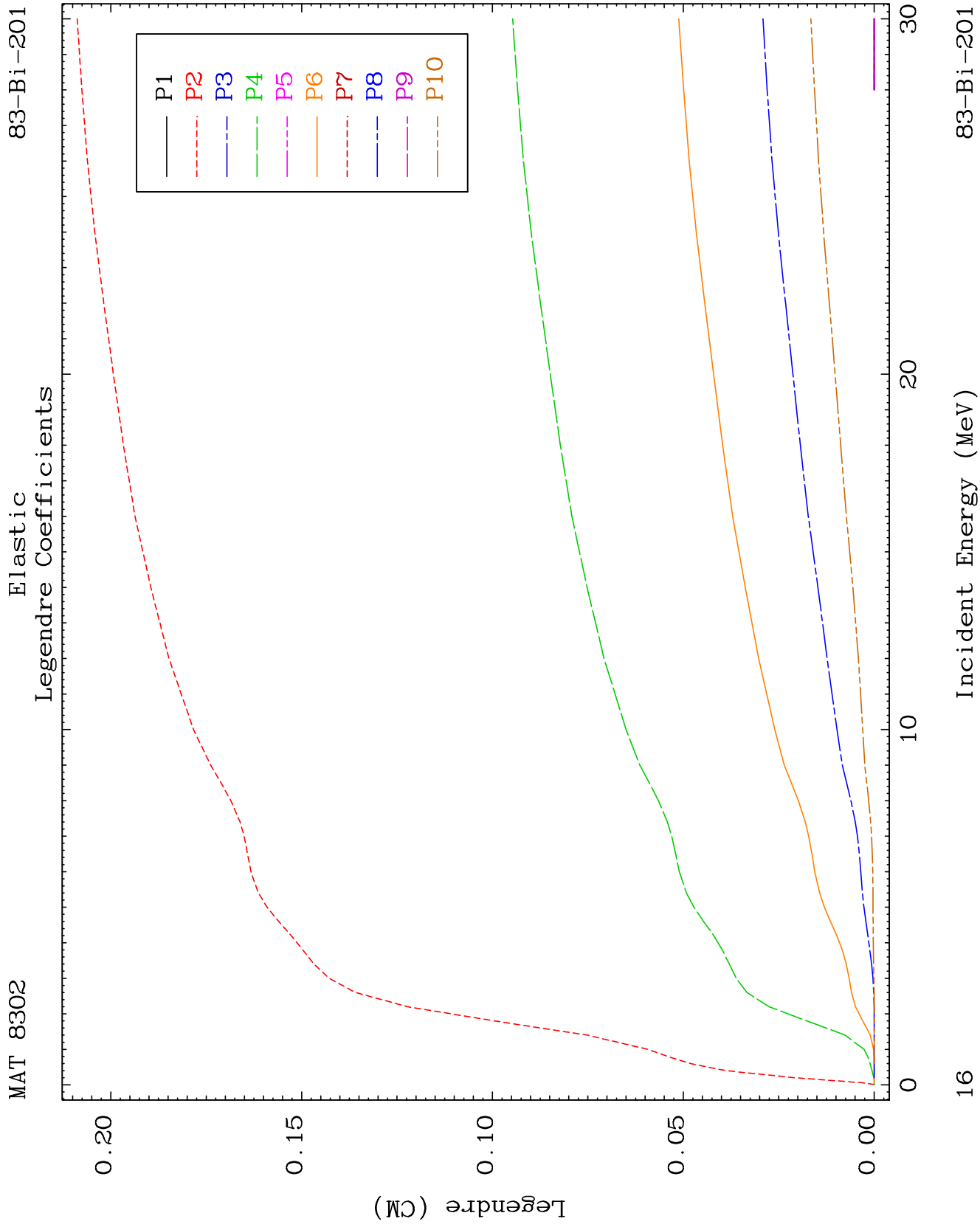


14

Incident Energy (MeV)

83-Bi-201

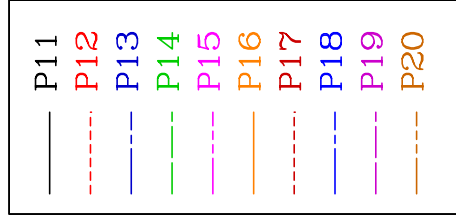




MAT 8302

Elastic
Legendre Coefficients

83-Bi-201



Legendre (CM)

0.008

0.006

0.004

0.002

0.000

5

10

15

20

25

30

17

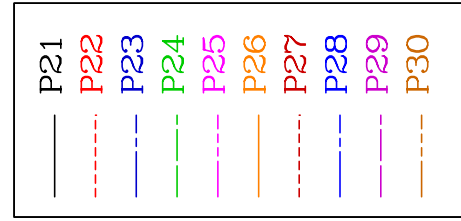
Incident Energy (MeV)

83-Bi-201

MAT 8302

Elastic
Legendre Coefficients

83-Bi-201



$\times 10^{-5}$

Legendre (CM)

2.0

1.5

1.0

0.5

0.0

15

20

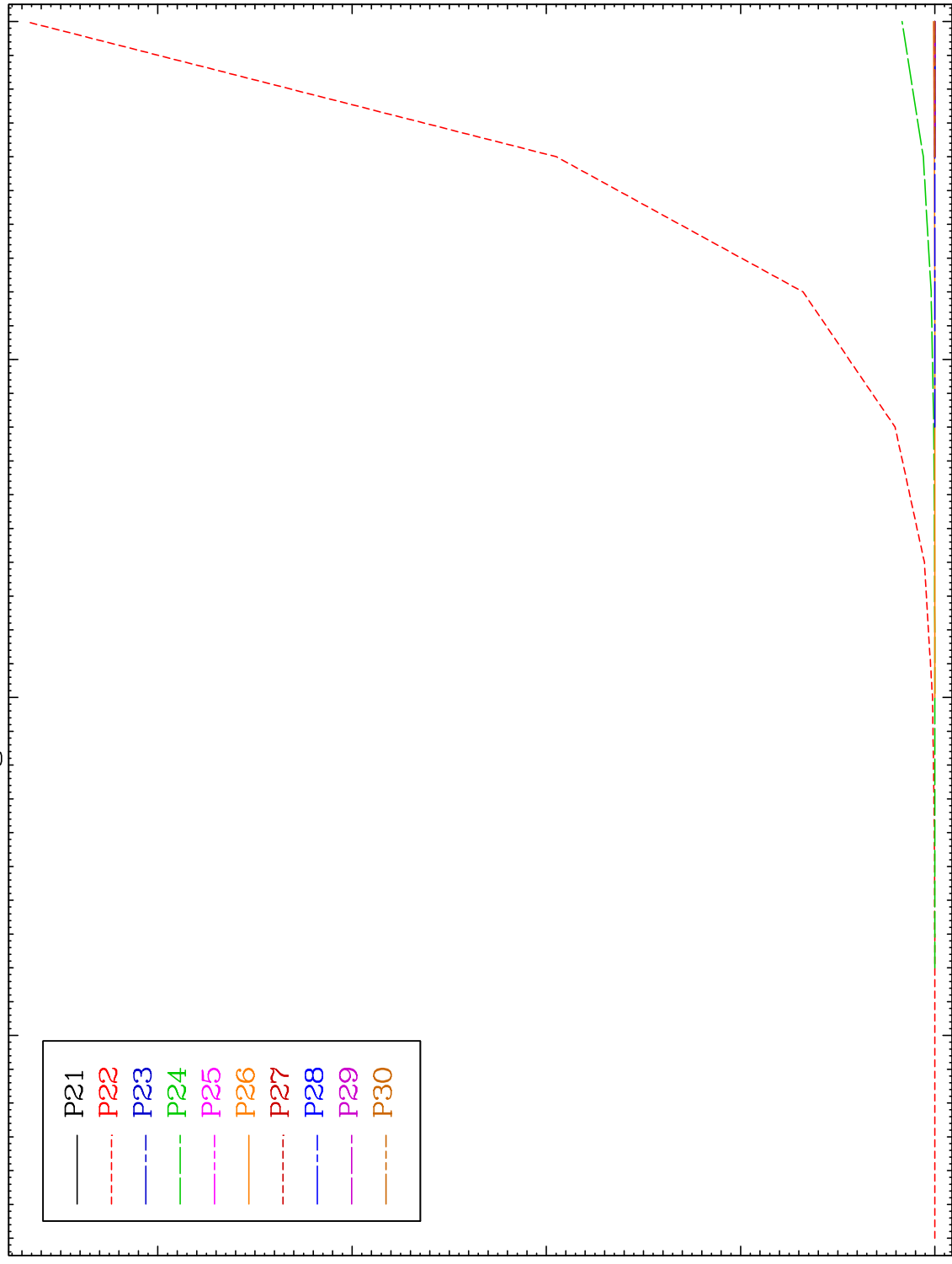
25

30

18

Incident Energy (MeV)

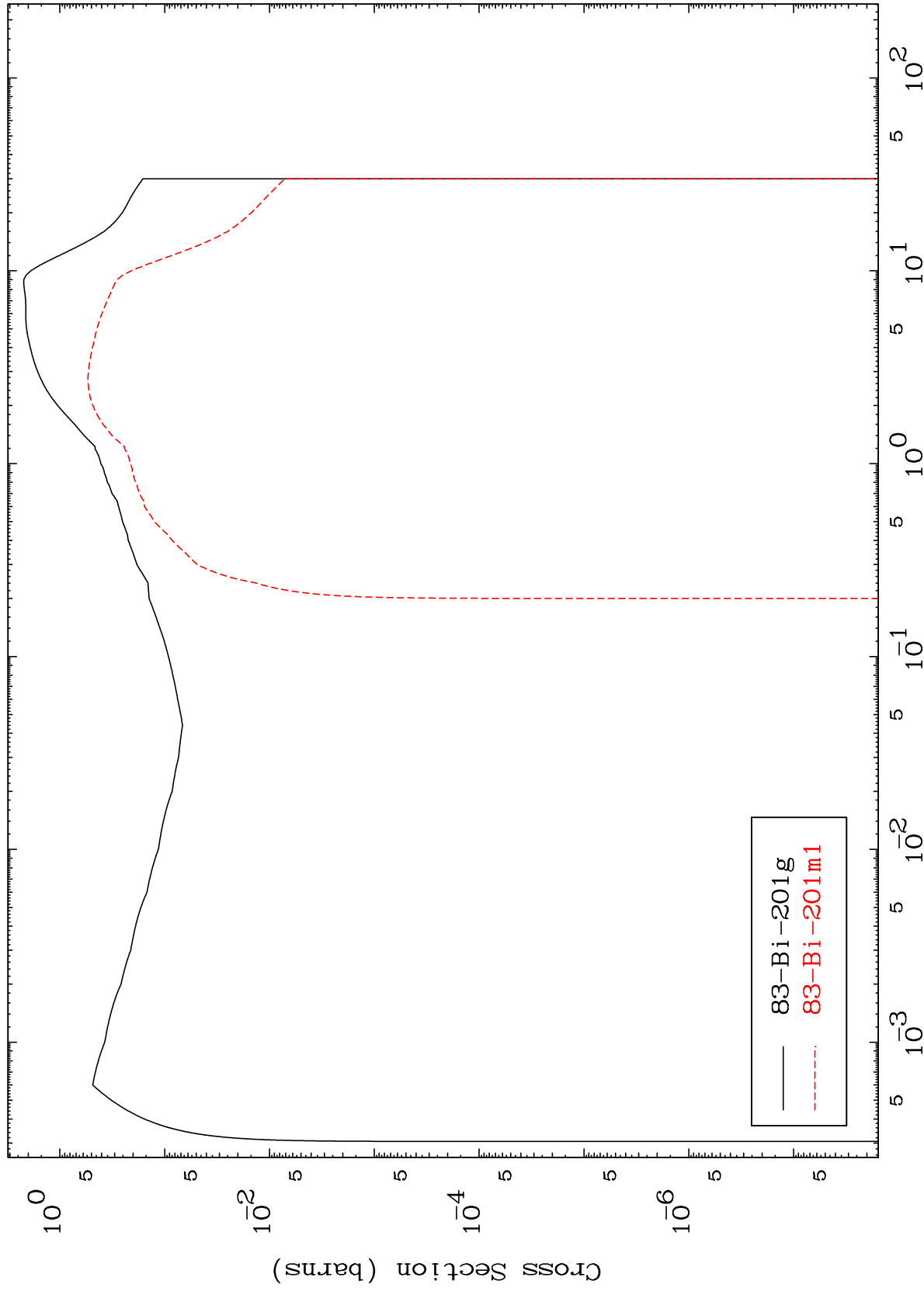
83-Bi-201



MAT 8302

83-Bi-201

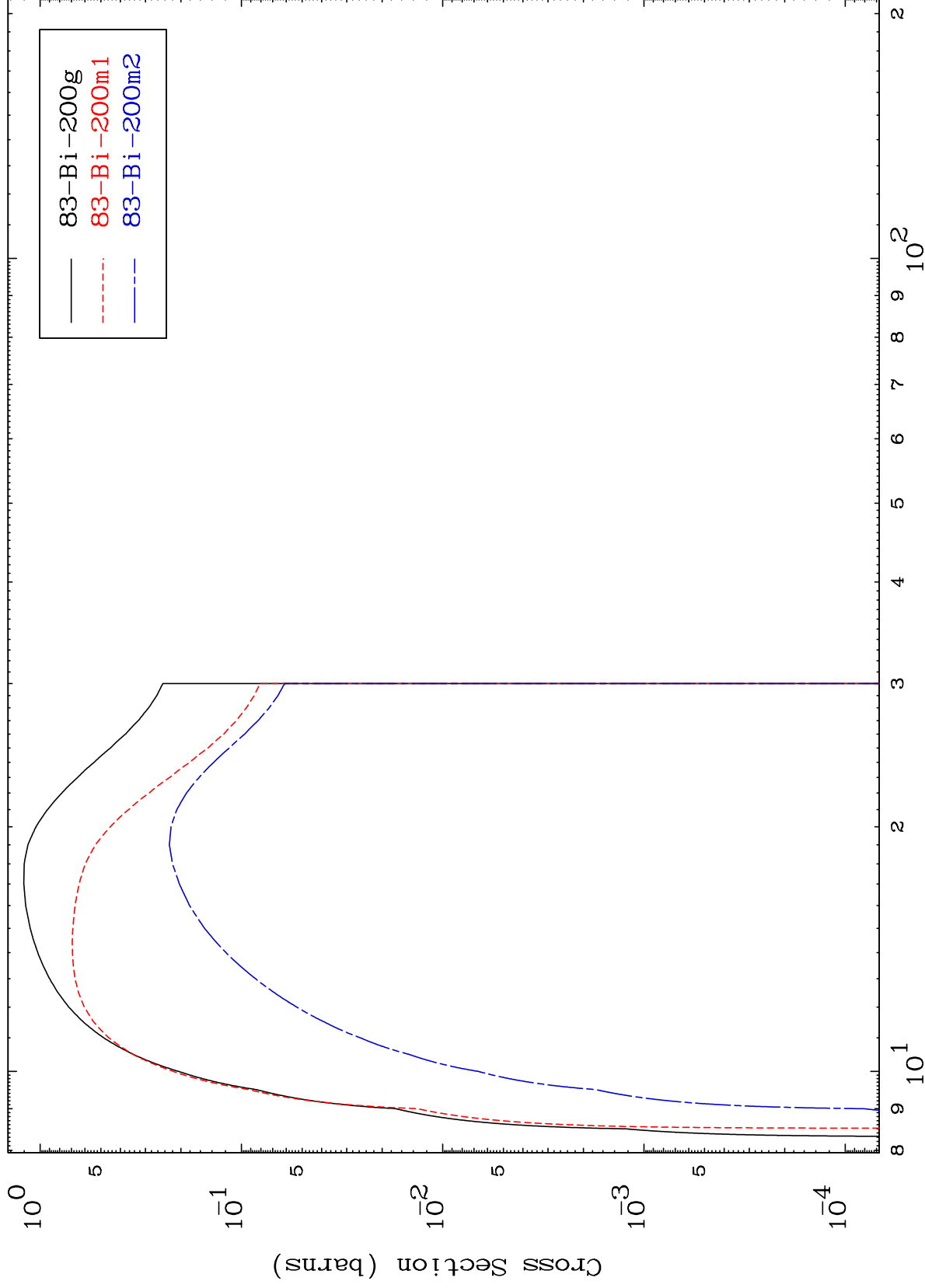
Inelastic
Radionuclide Production Cross Section



MAT 8302

83-Bi-201

(n,2n)
Radionuclide Production Cross Section

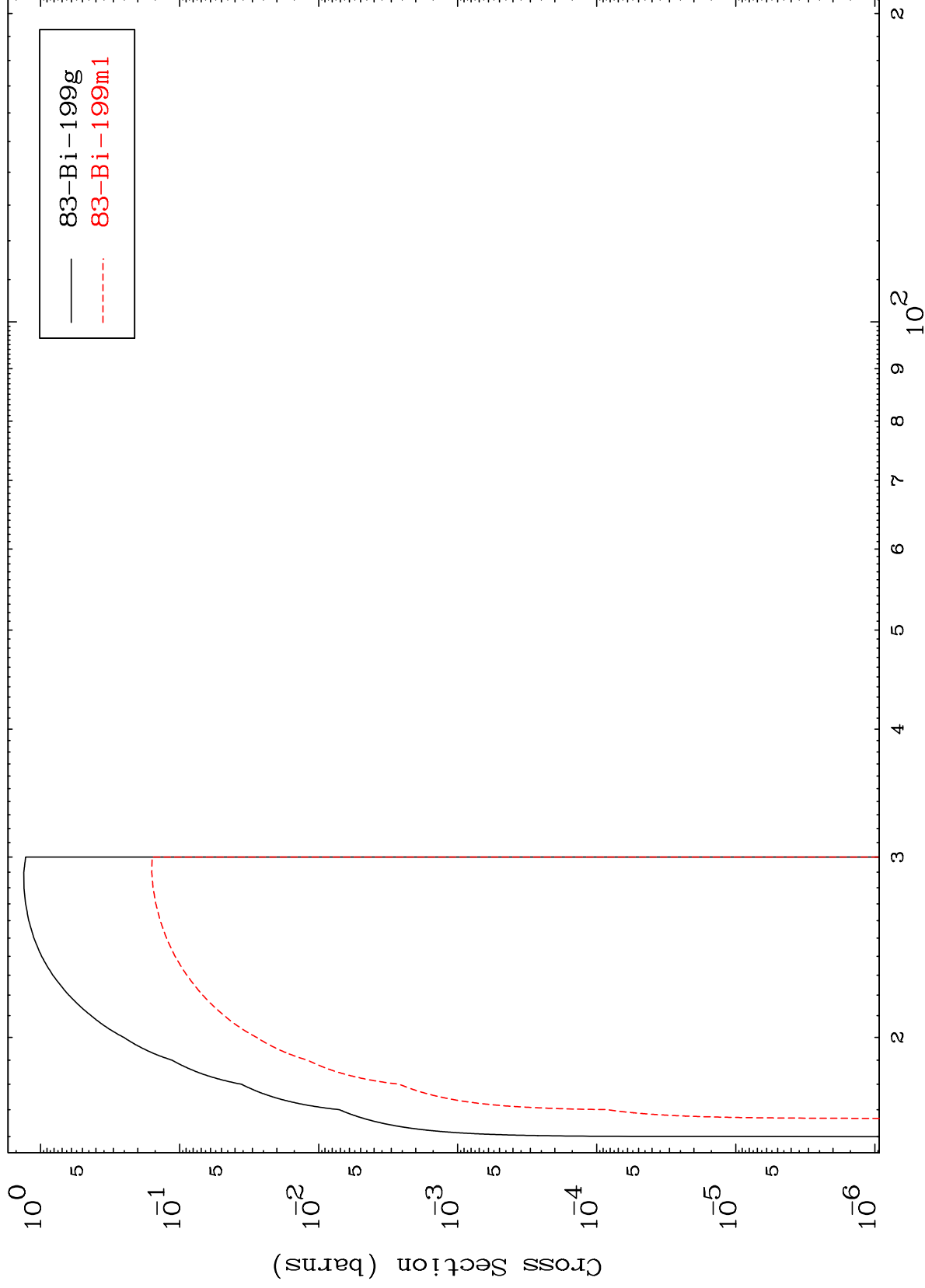


20

Incident Energy (MeV)

83-Bi-201

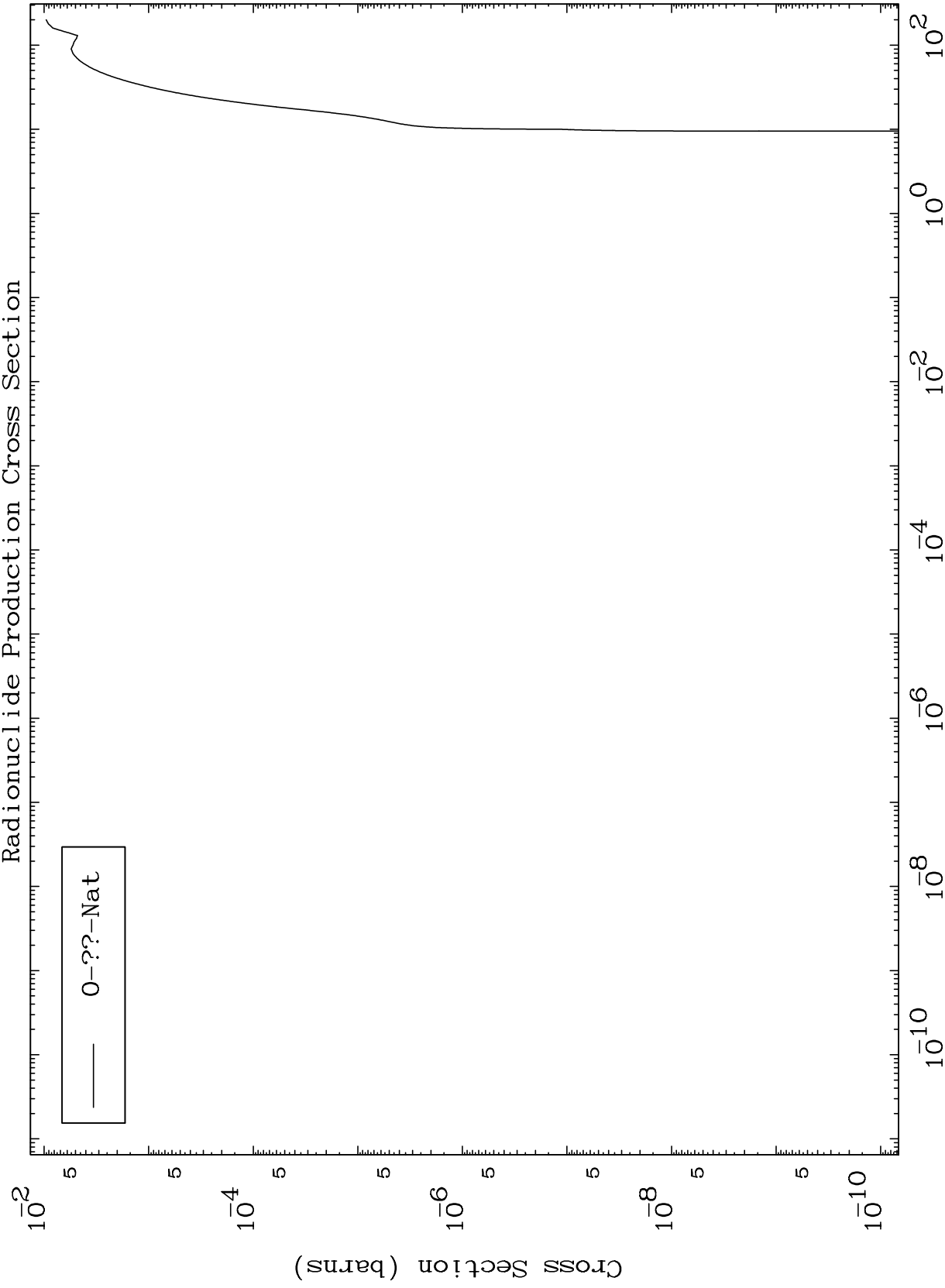
(n,3n)
Radionuclide Production Cross Section



MAT 8302

83-Bi-201

Fission
Radionuclide Production Cross Section



0-?-Nat

22

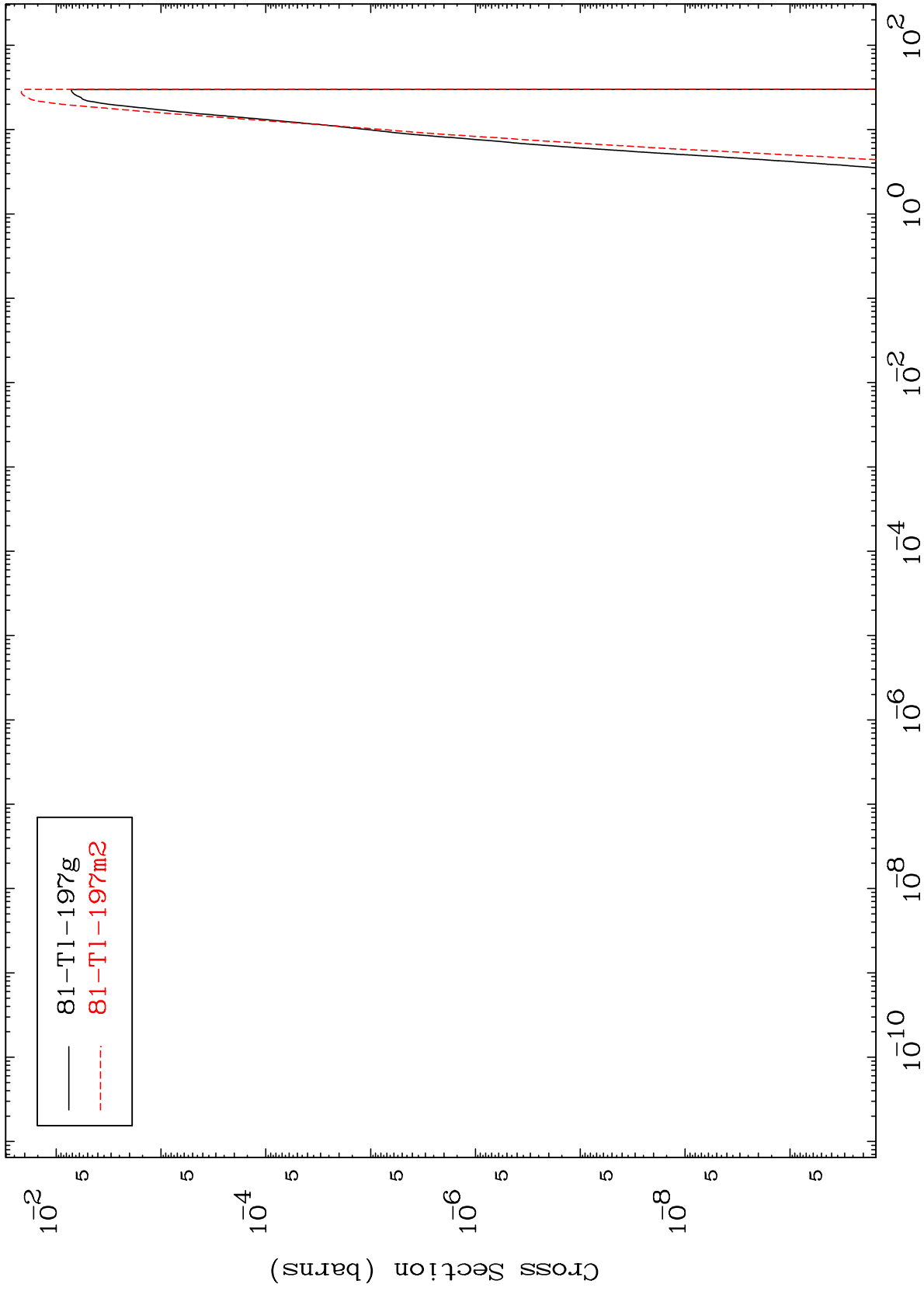
83-Bi-201

MAT 8302

$(n,n') \alpha$

$^{83}\text{Bi}-^{201}$

Radionuclide Production Cross Section



23

Incident Energy (MeV)

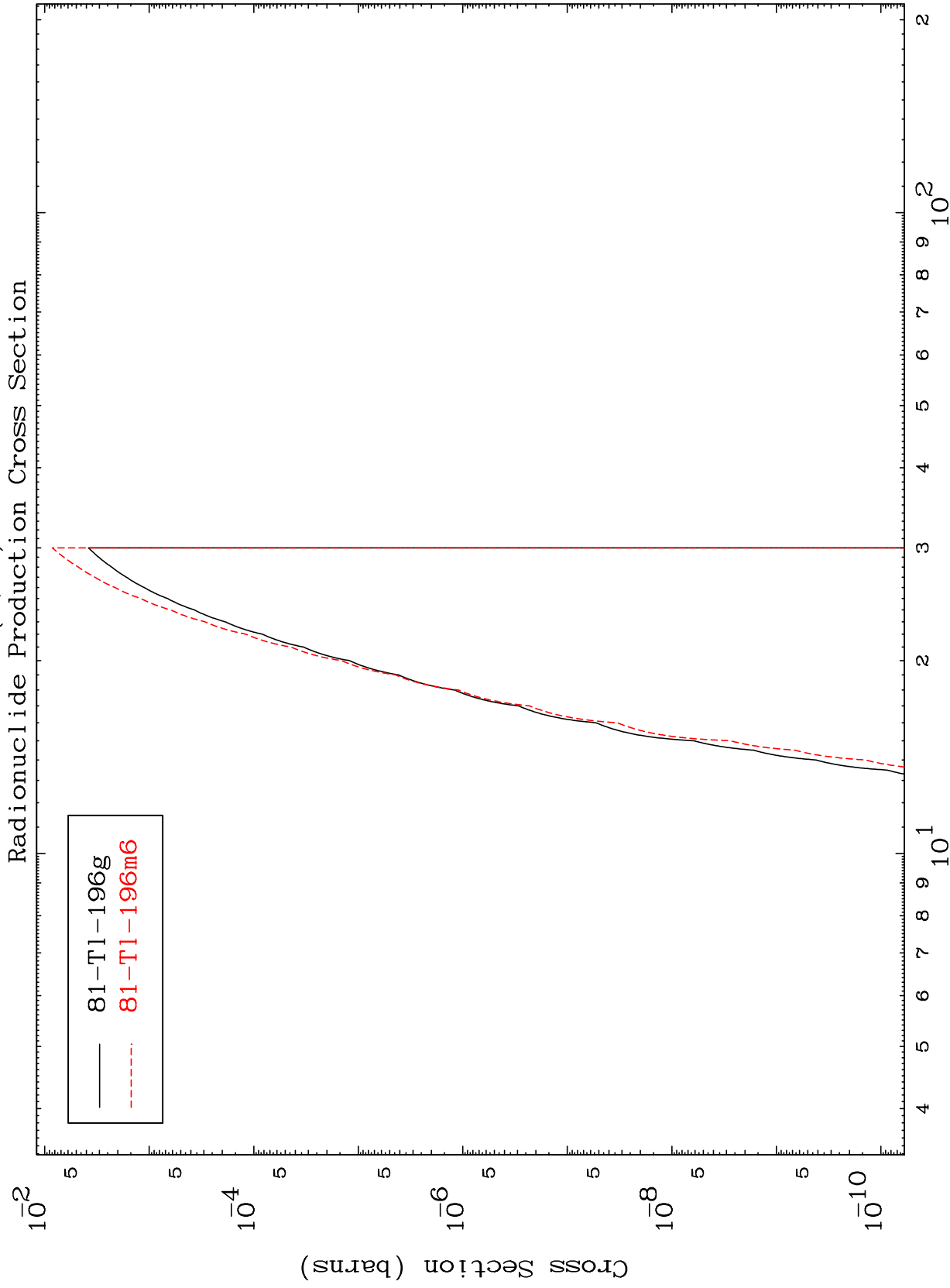
$^{83}\text{Bi}-^{201}$

MAT 8302

(n,2n) α

83-Bi-201

Radionuclide Production Cross Section

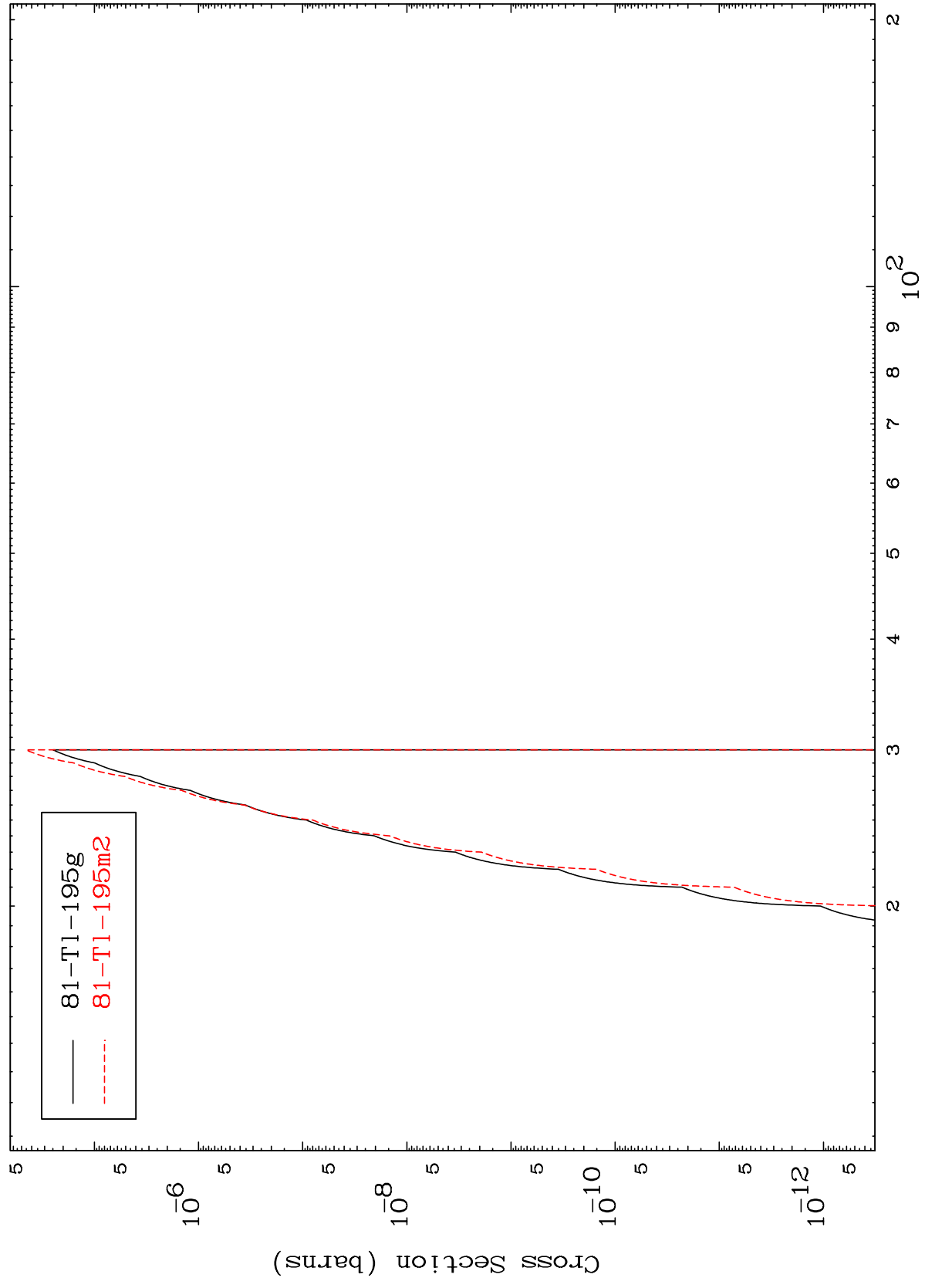


24

Incident Energy (MeV)

83-Bi-201

(n,3n) α
Radionuclide Production Cross Section

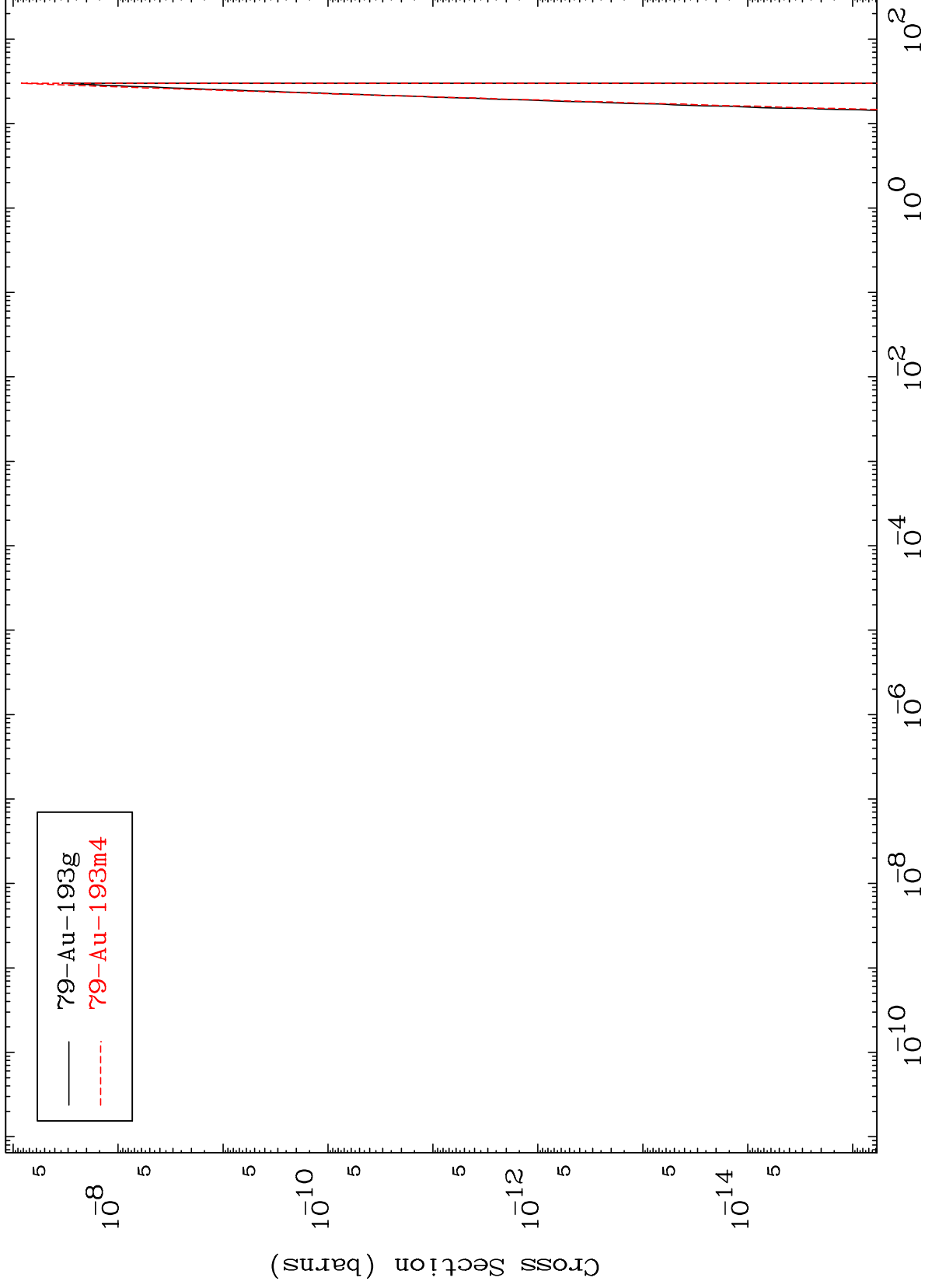


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(n,n') 2 α

83-Bi-201

Radionuclide Production Cross Section



26

Incident Energy (MeV)

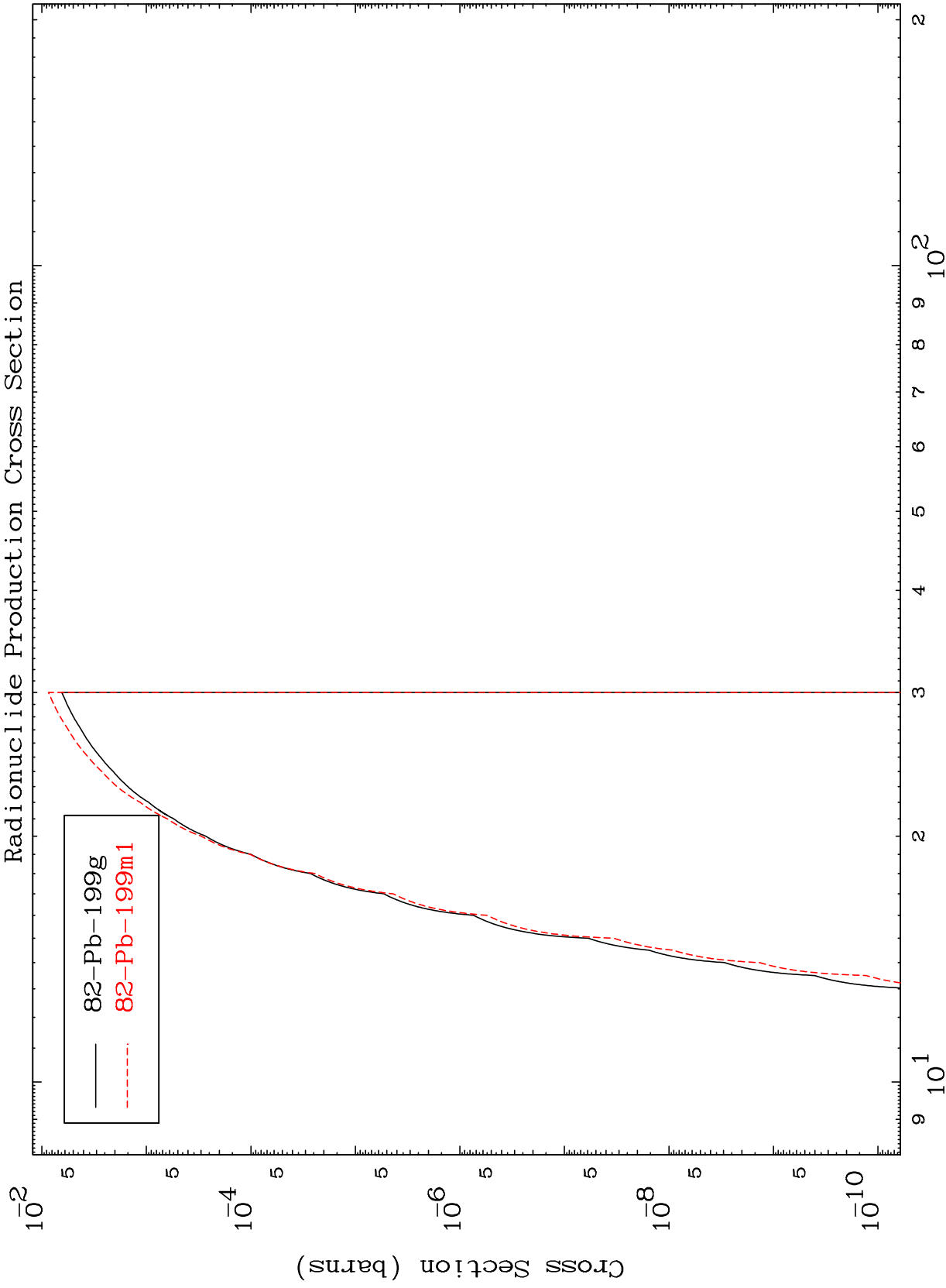
83-Bi-201

MAT 8302

(n,n') d

83-Bi-201

Radionuclide Production Cross Section



27

Incident Energy (MeV)

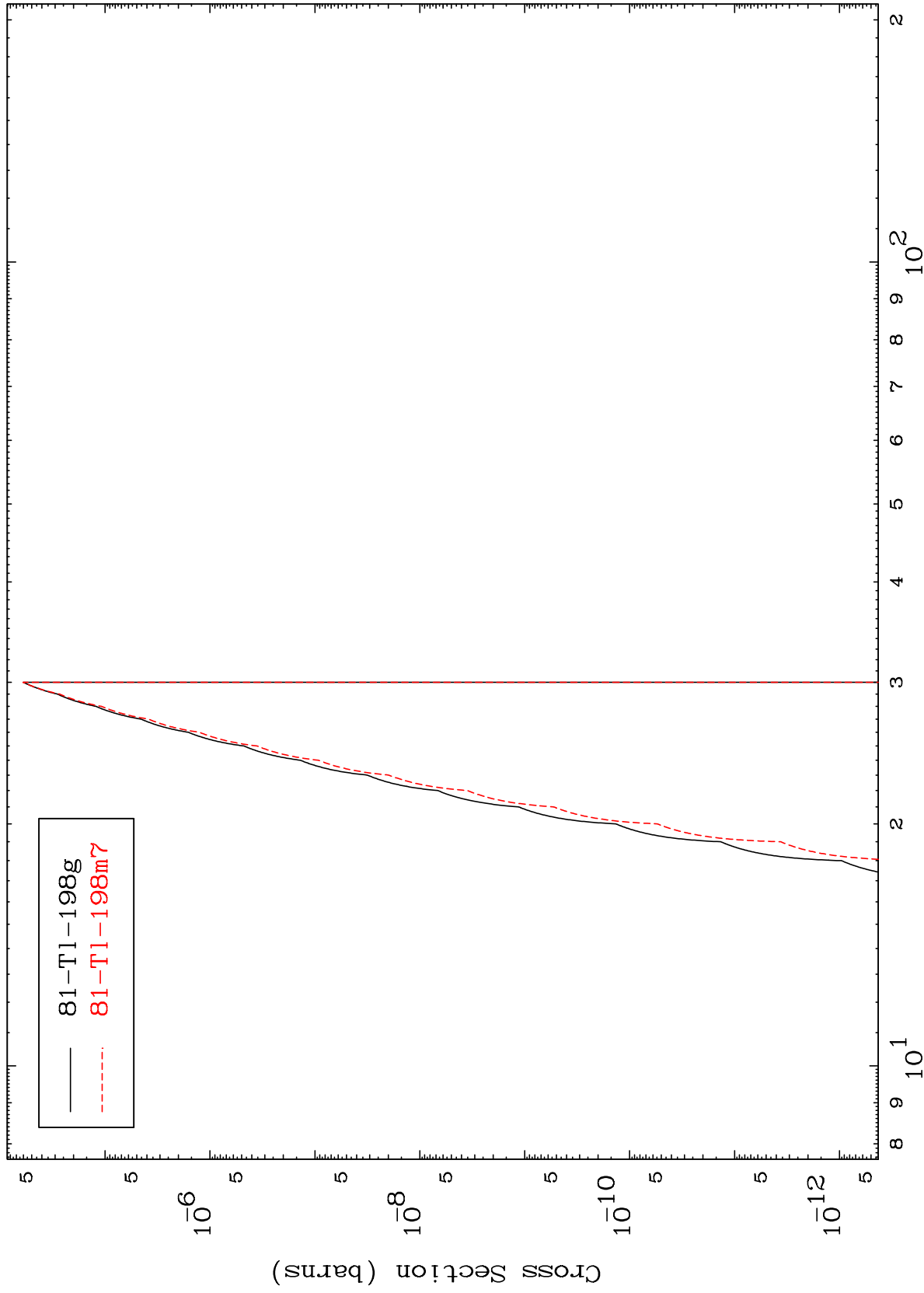
83-Bi-201

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(n,n') He-3

83-Bi-201

Radionuclide Production Cross Section



28

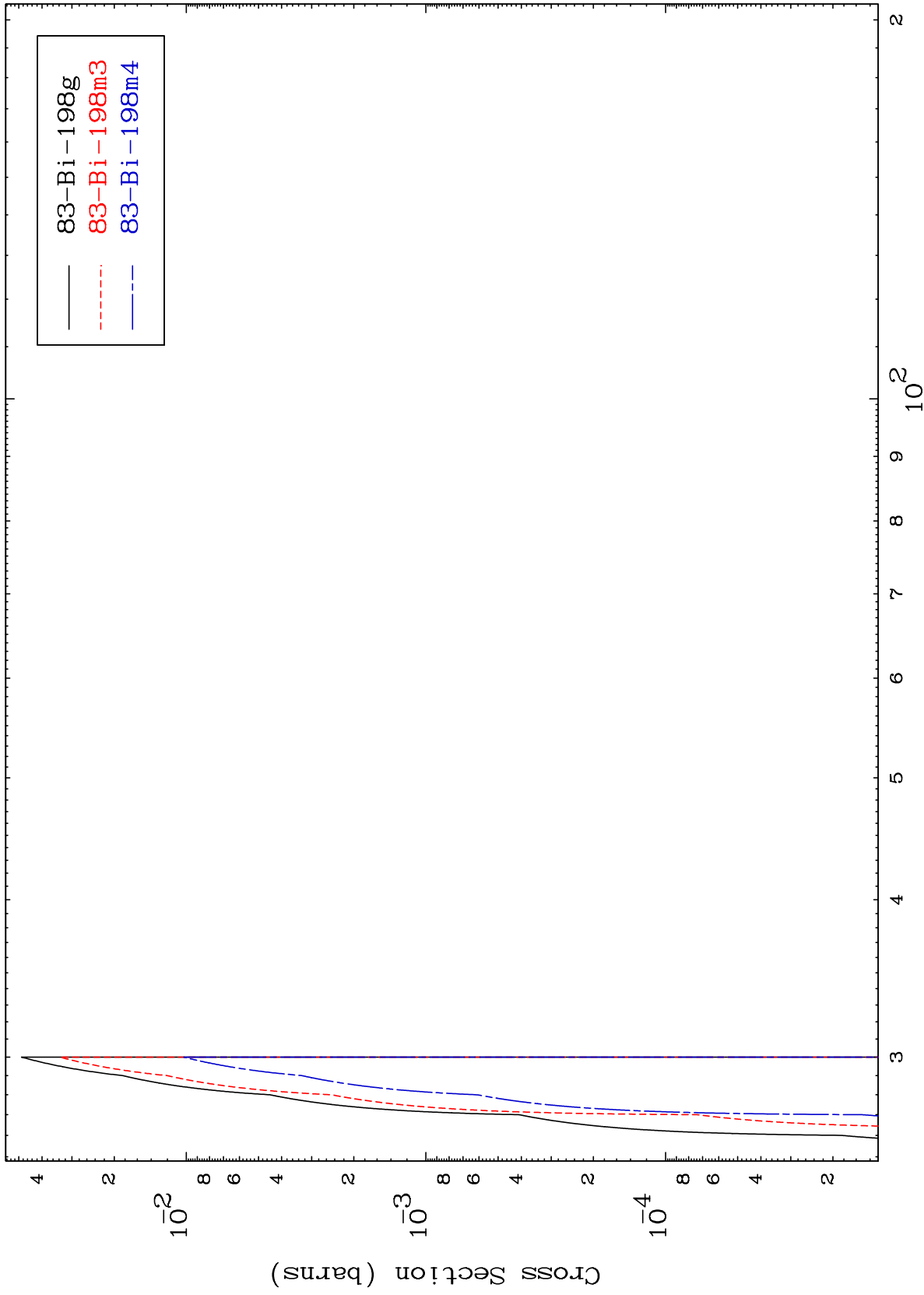
Incident Energy (MeV)

83-Bi-201

MAT 8302

83-Bi-201

(n,4n)
Radionuclide Production Cross Section



29

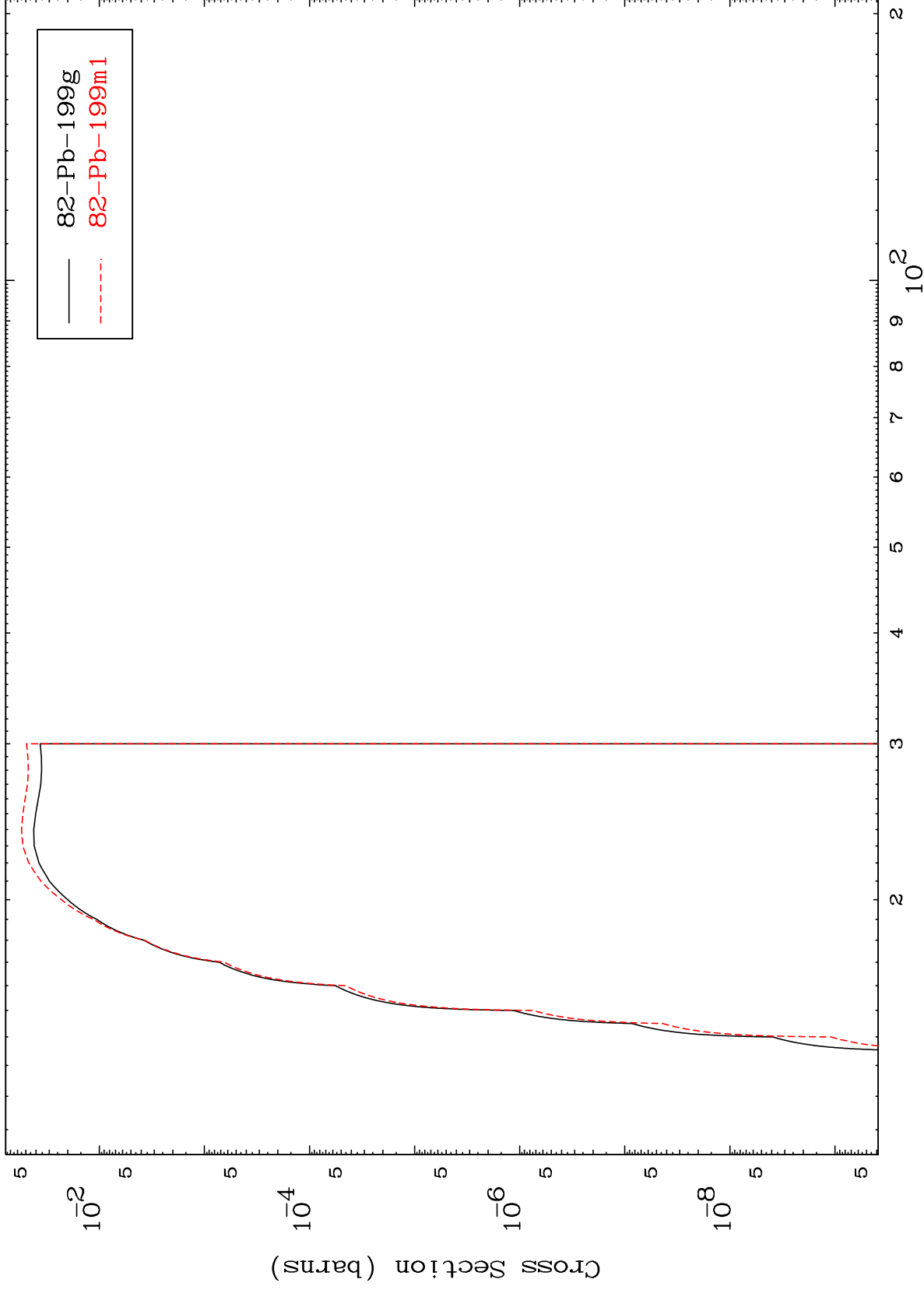
83-Bi-201

MAT 8302

(n,2n) p

83-Bi-201

Radionuclide Production Cross Section



30

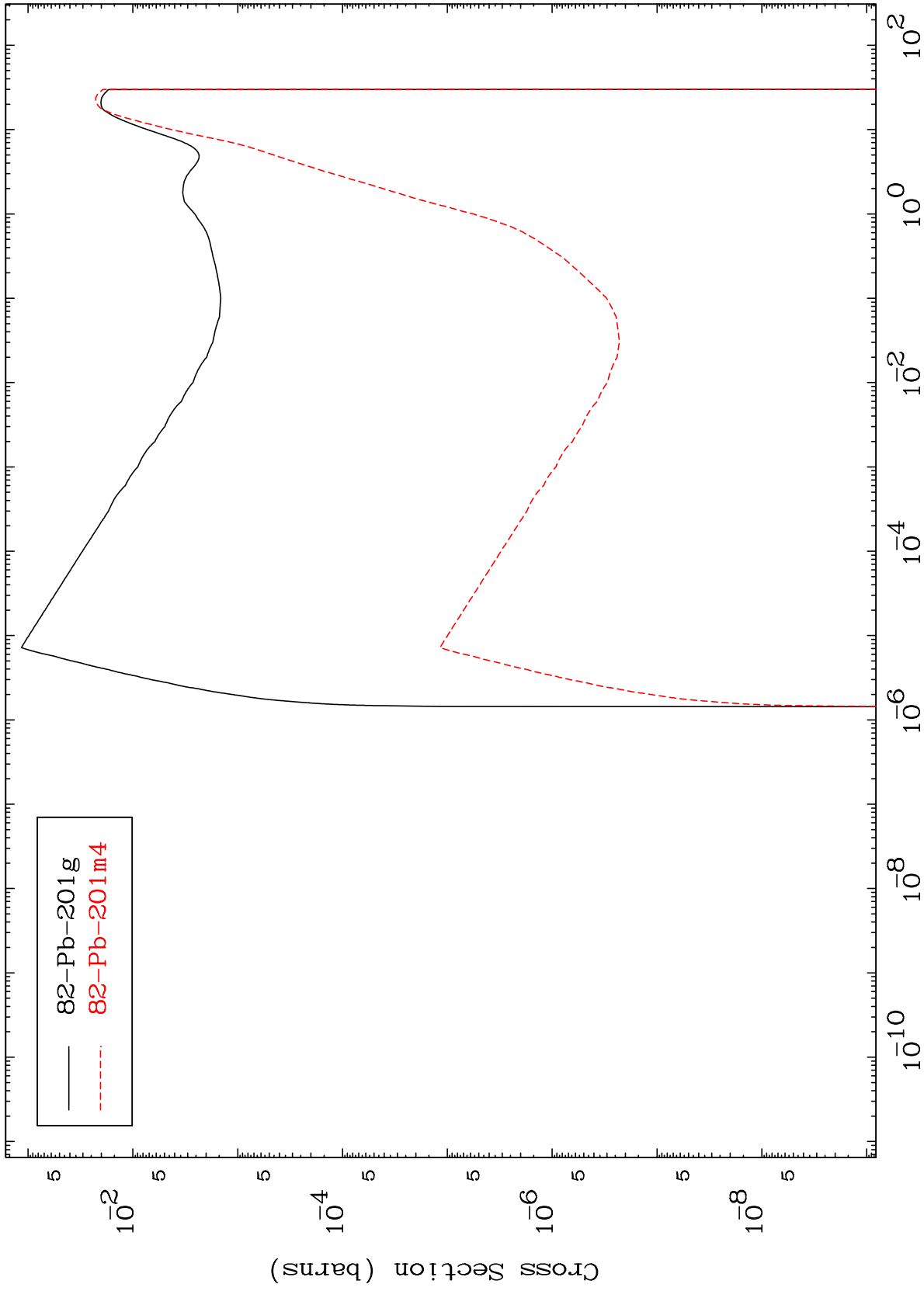
Incident Energy (MeV)

83-Bi-201

MAT 8302

83-Bi-201

Radionuclide Production Cross Section



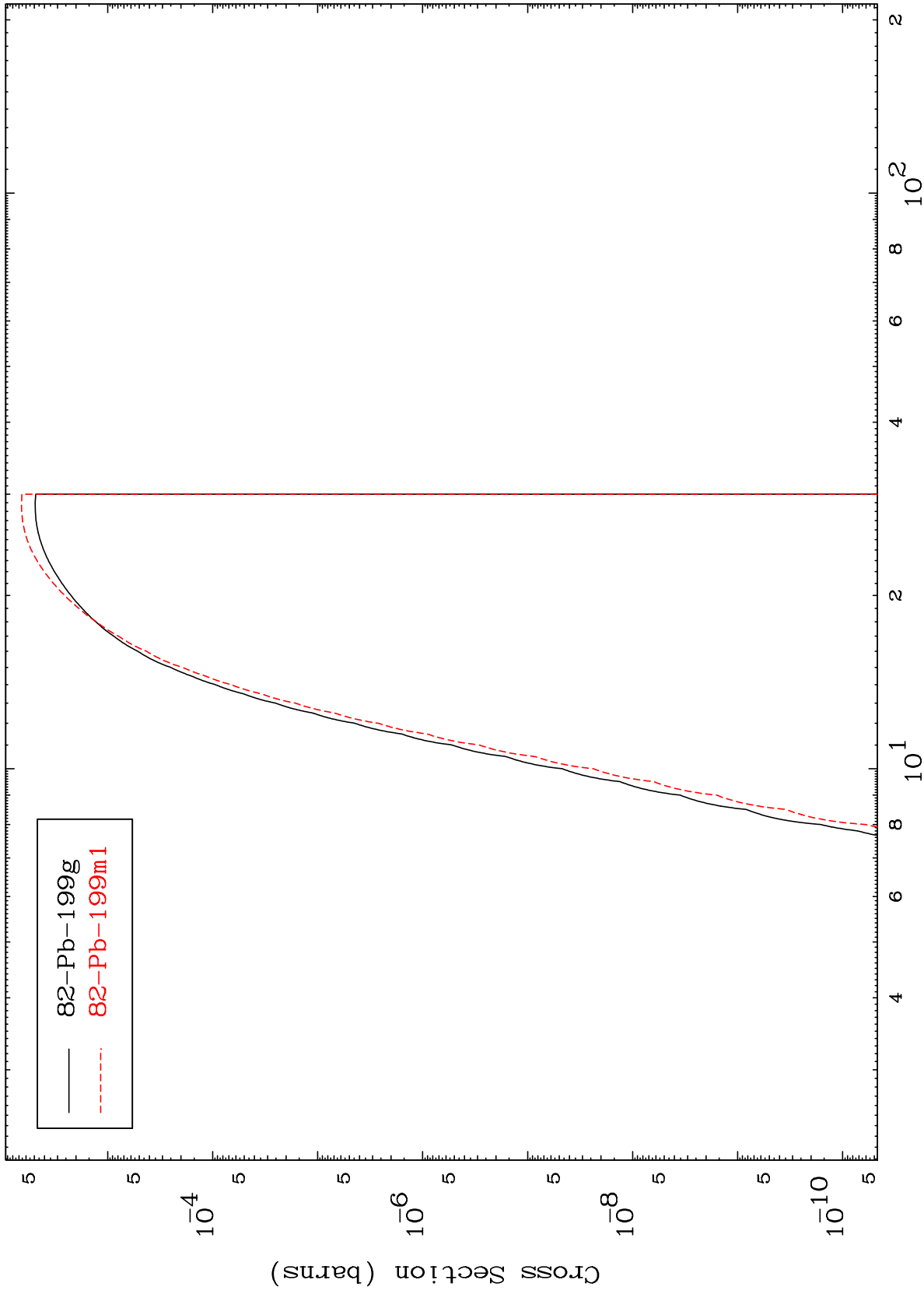
31

83-Bi-201

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83-Bi-201

Radionuclide Production Cross Section



32

Incident Energy (MeV)

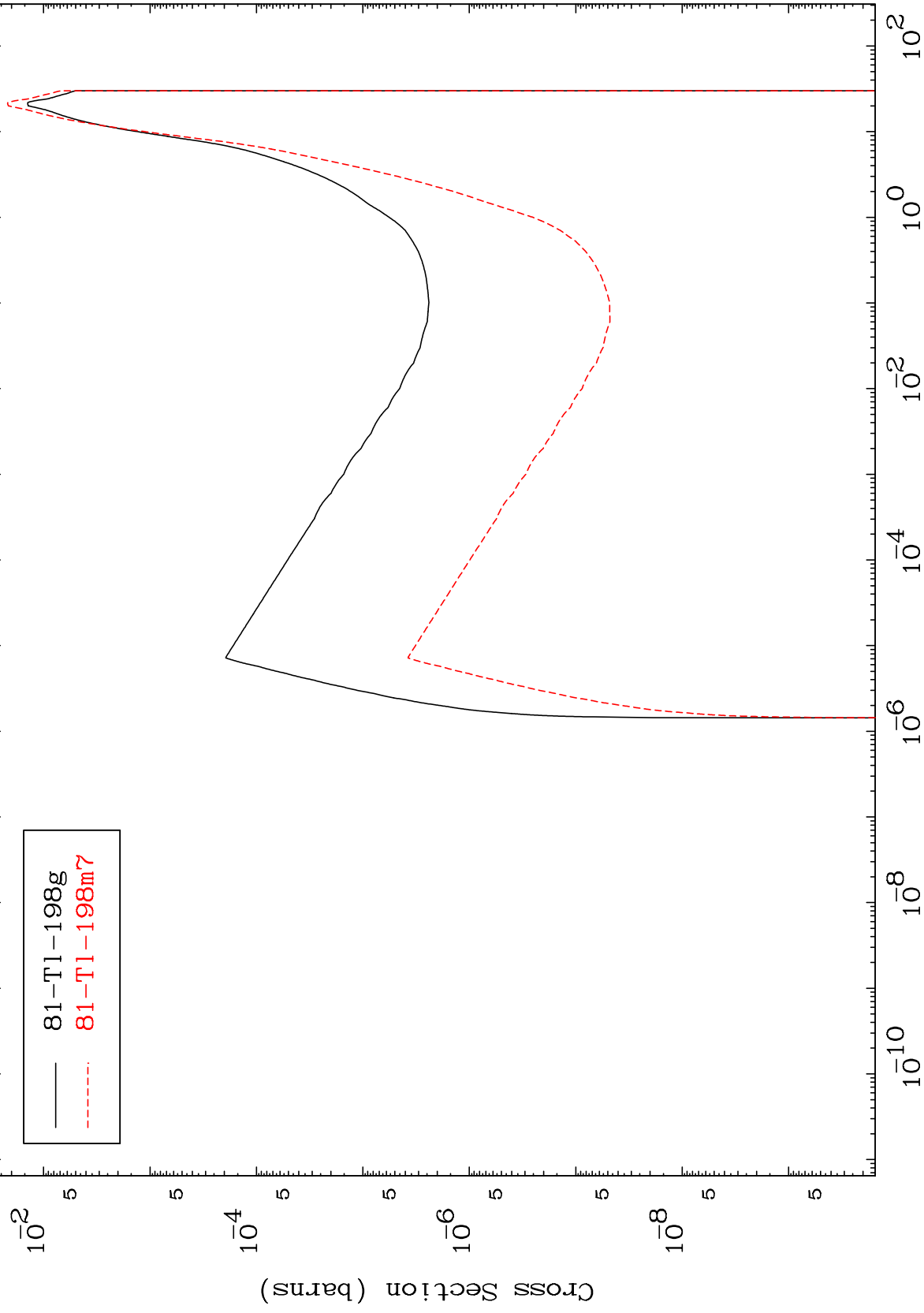
83-Bi-201

MAT 8302

(n, α)

83-Bi-201

Radionuclide Production Cross Section



33

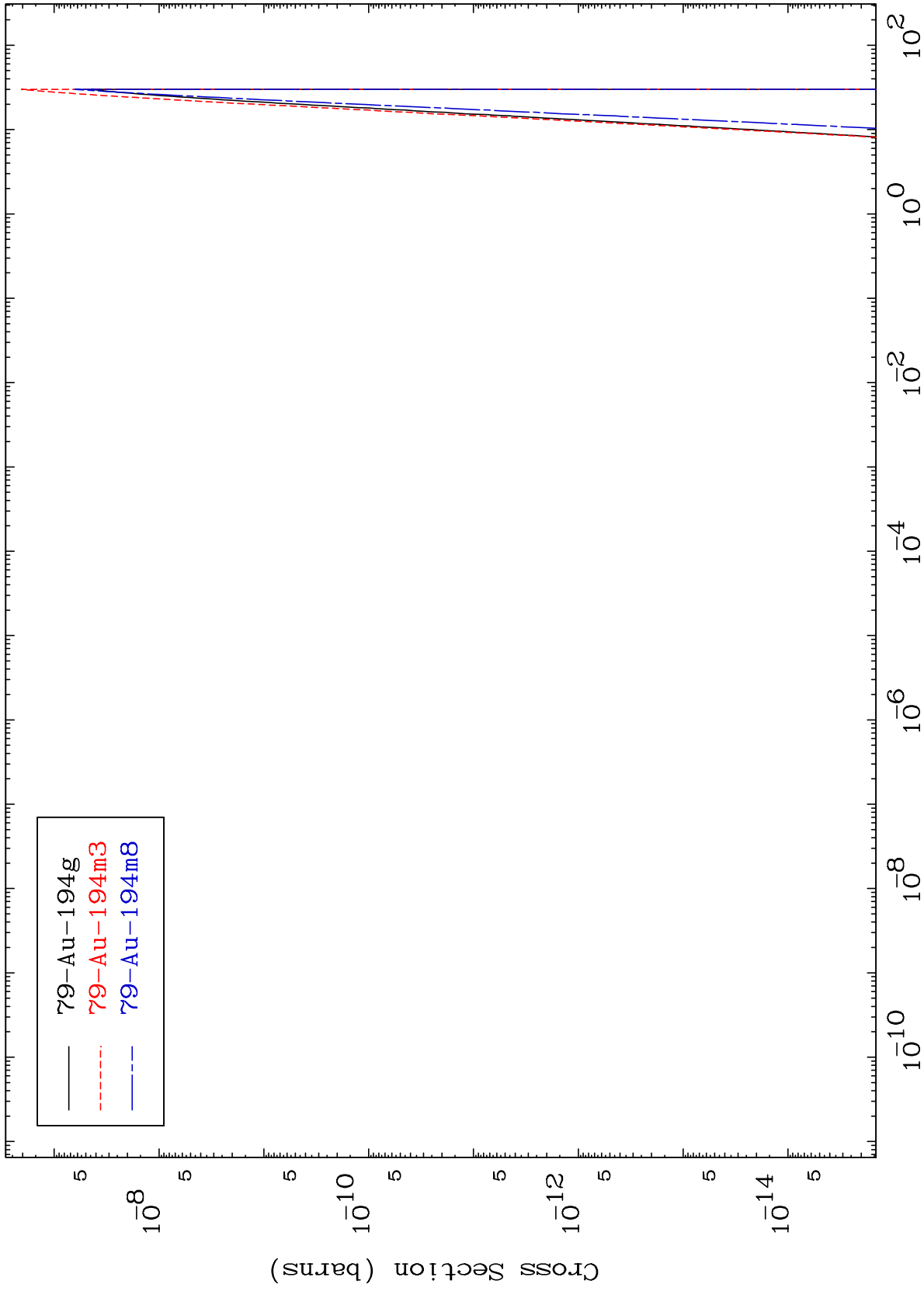
Incident Energy (MeV)

83-Bi-201

MAT 8302

Radionuclide Production Cross Section
(n,2α)

83-Bi-201



34

Incident Energy (MeV)

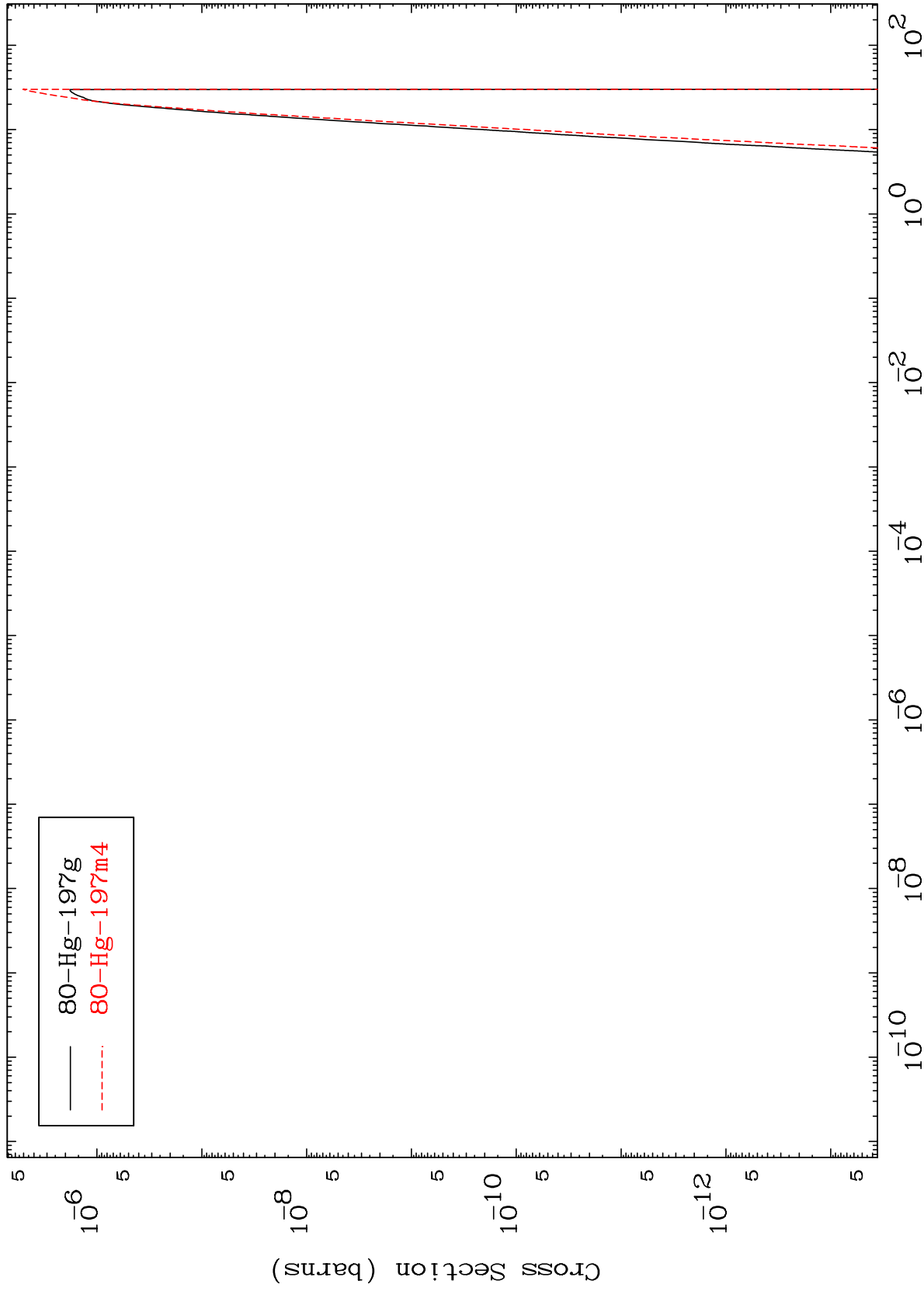
83-Bi-201

MAT 8302

(n,p) α

83-Bi-201

Radionuclide Production Cross Section



35

Incident Energy (MeV)

83-Bi-201

