

Program EVALPLOT
(Version 2018-1)

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

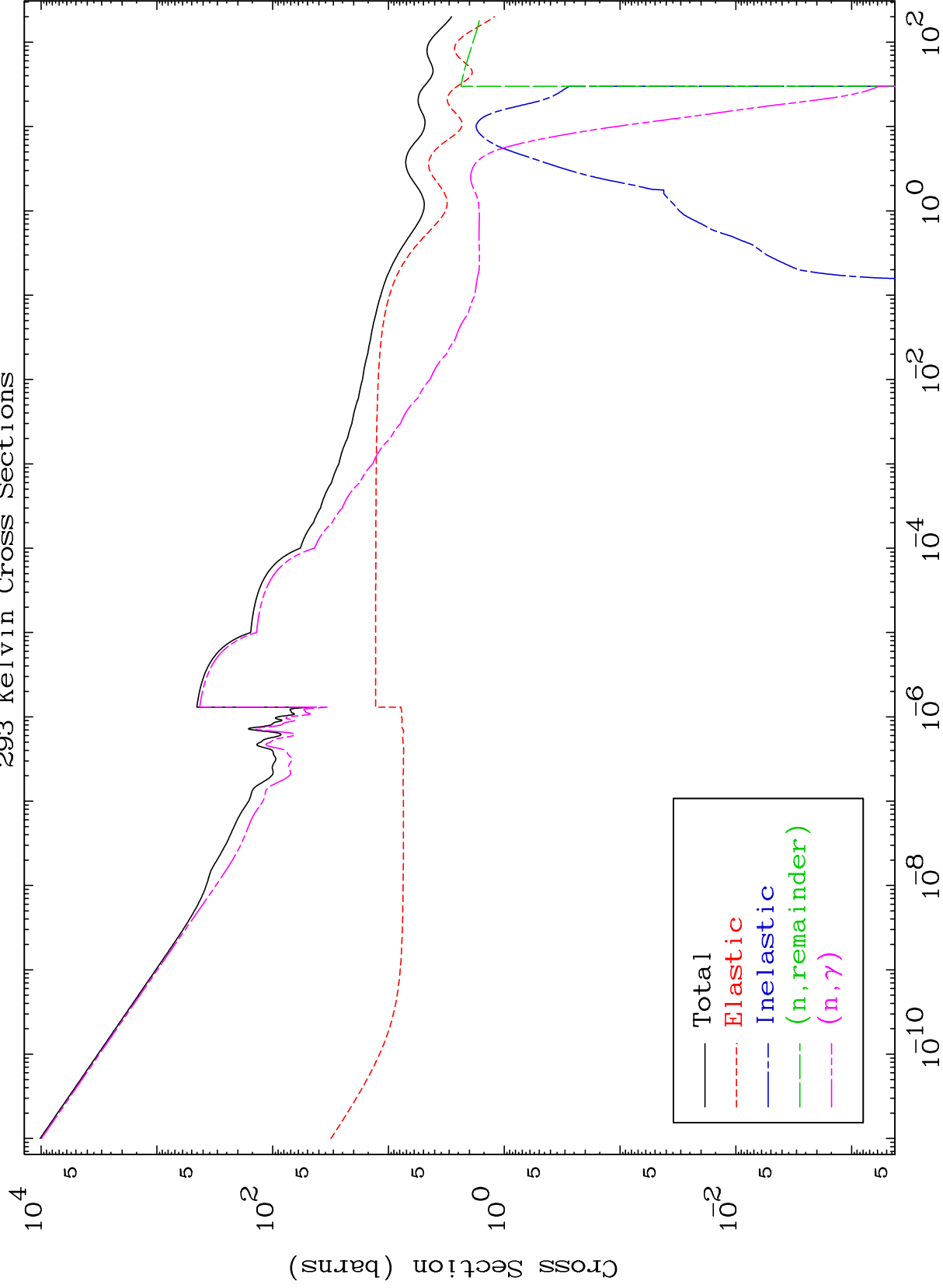
Press Mouse Button to Start

MAT 8271

Major

293 Kelvin Cross Sections

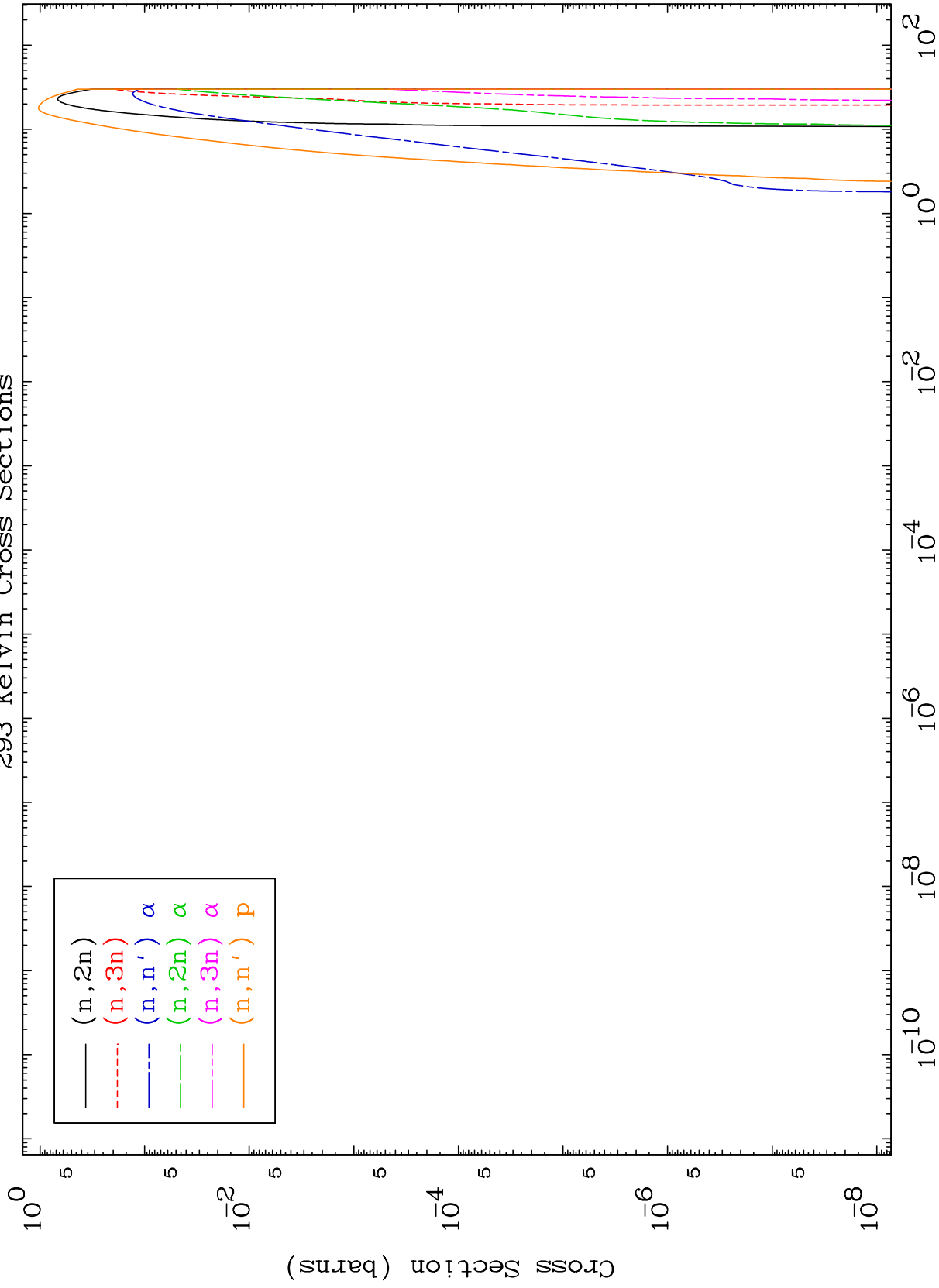
83-Bi-191



MAT 8271

Neutron Production
293 Kelvin Cross Sections

83-Bi-191



2

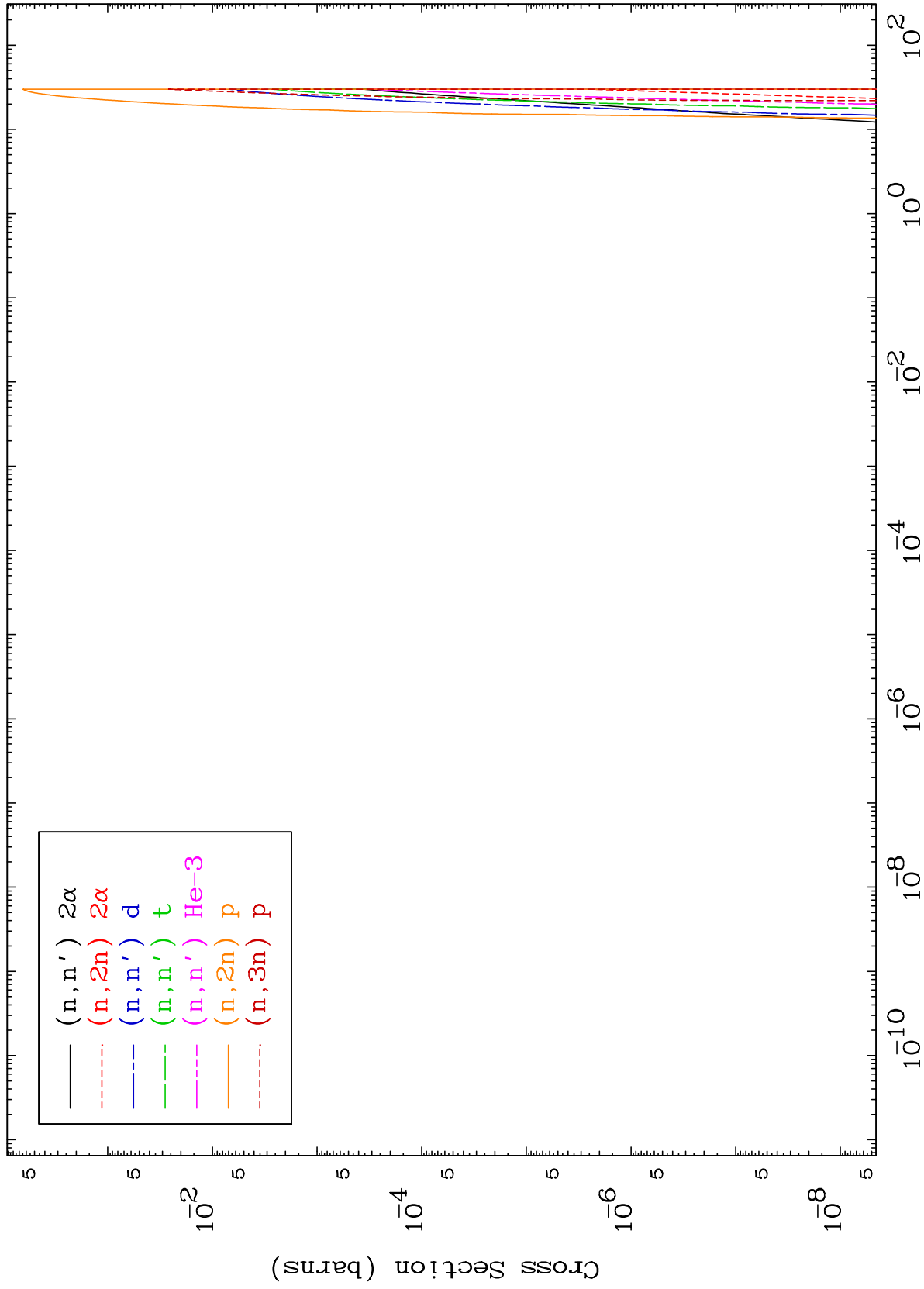
Incident Energy (MeV)

83-Bi-191

MAT 8271

Neutron Production
293 Kelvin Cross Sections

83-Bi-191

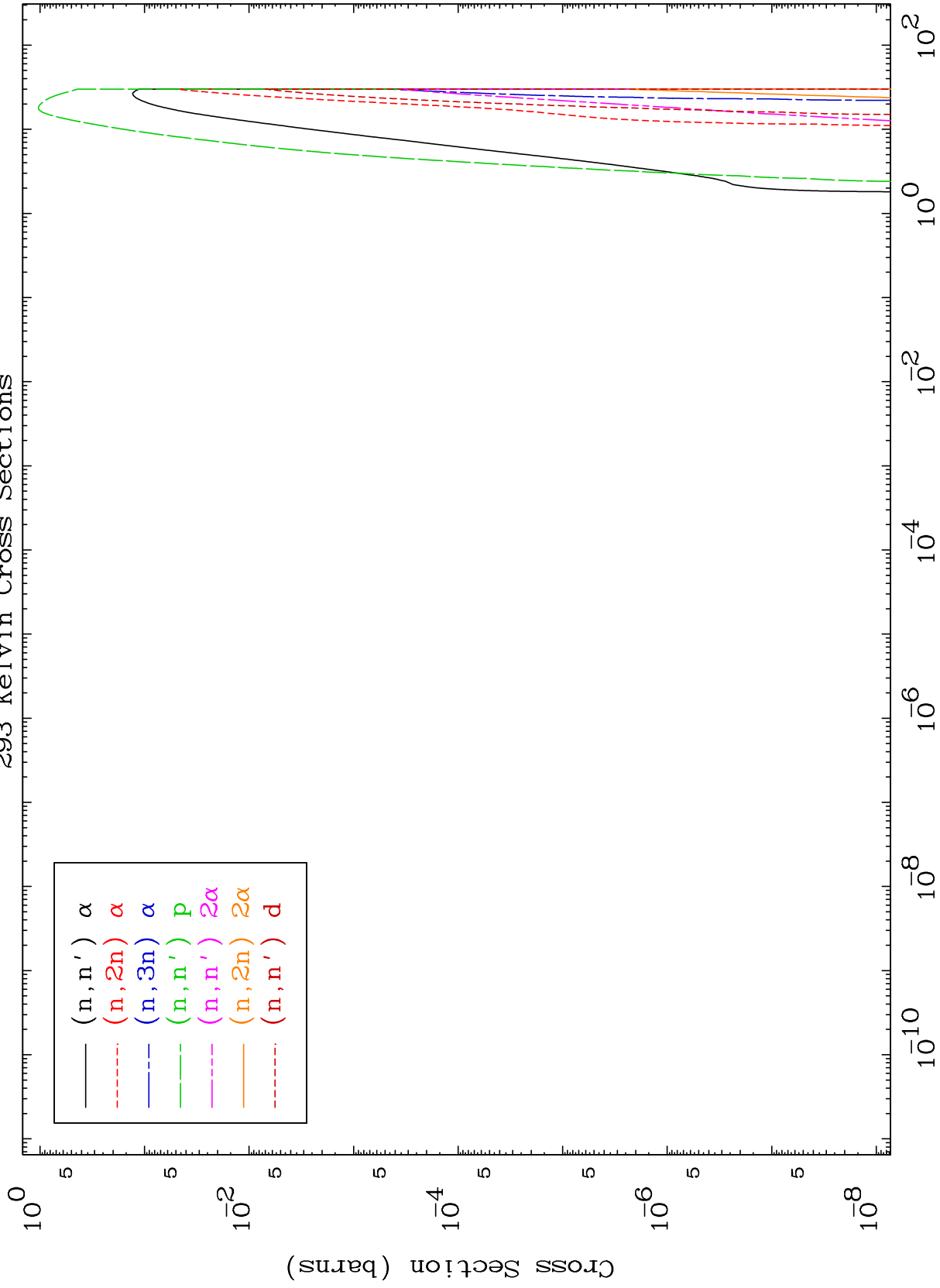


83-Bi-191

MAT 8271

293 Kelvin Cross Sections

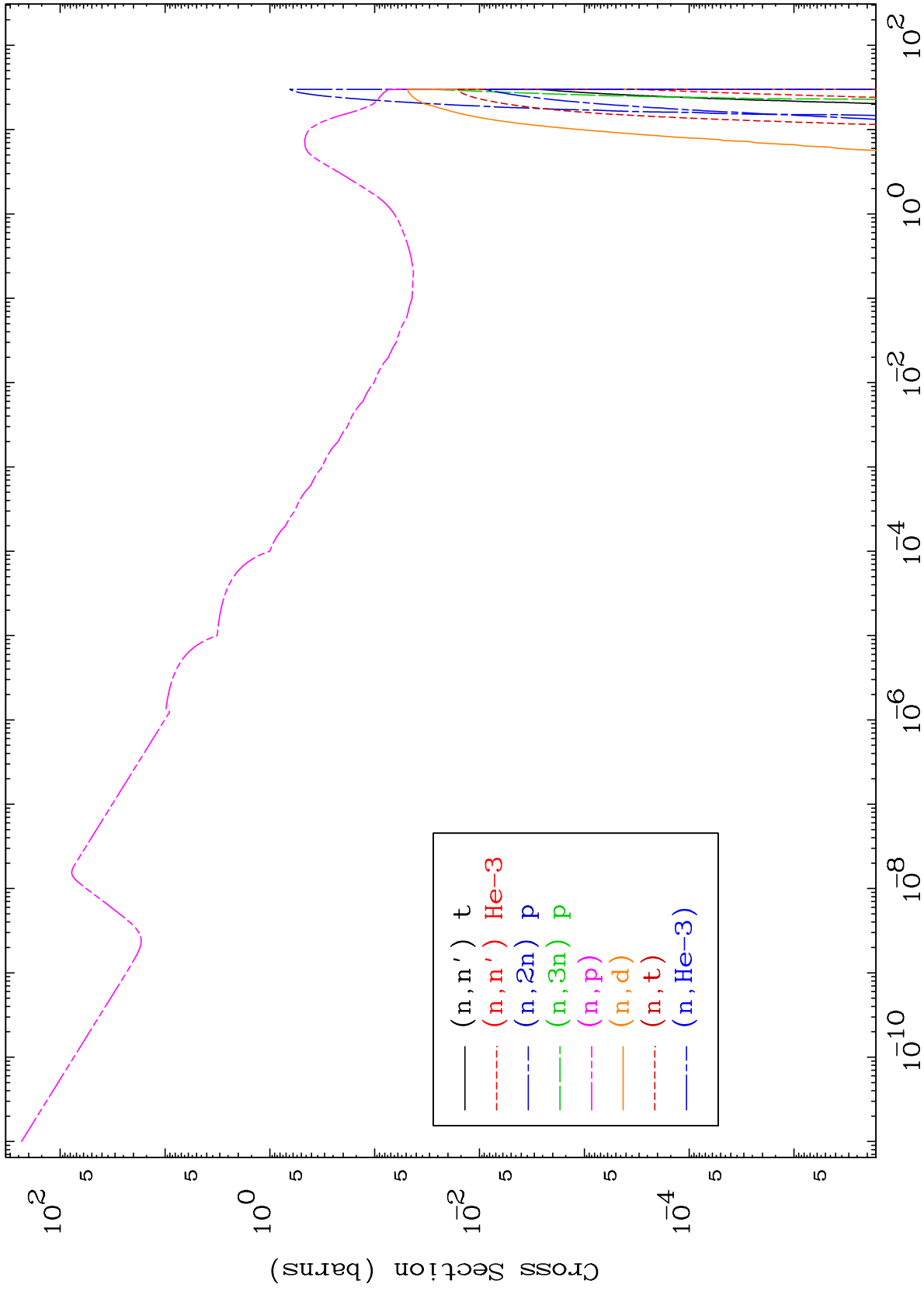
83-Bi-191

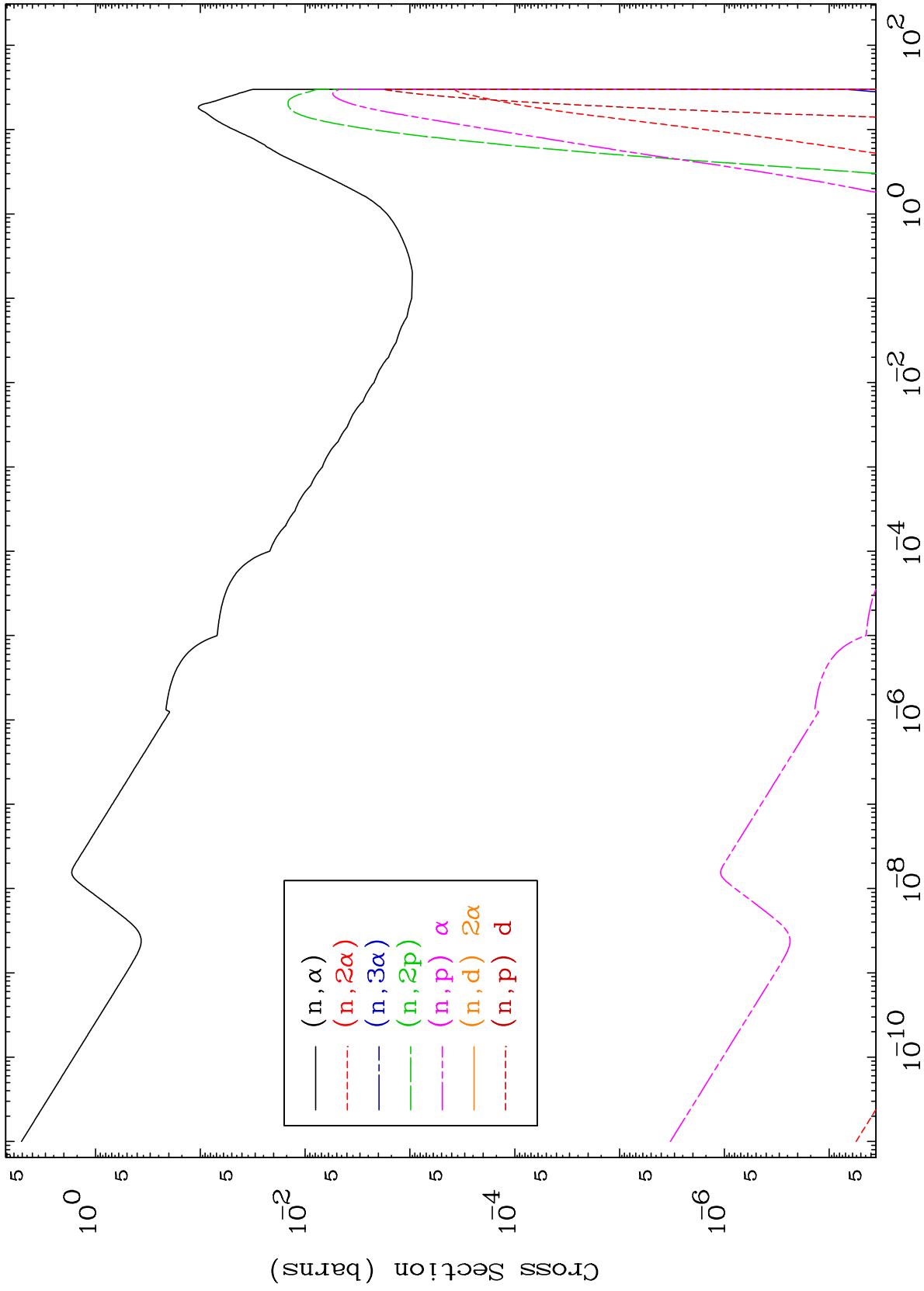


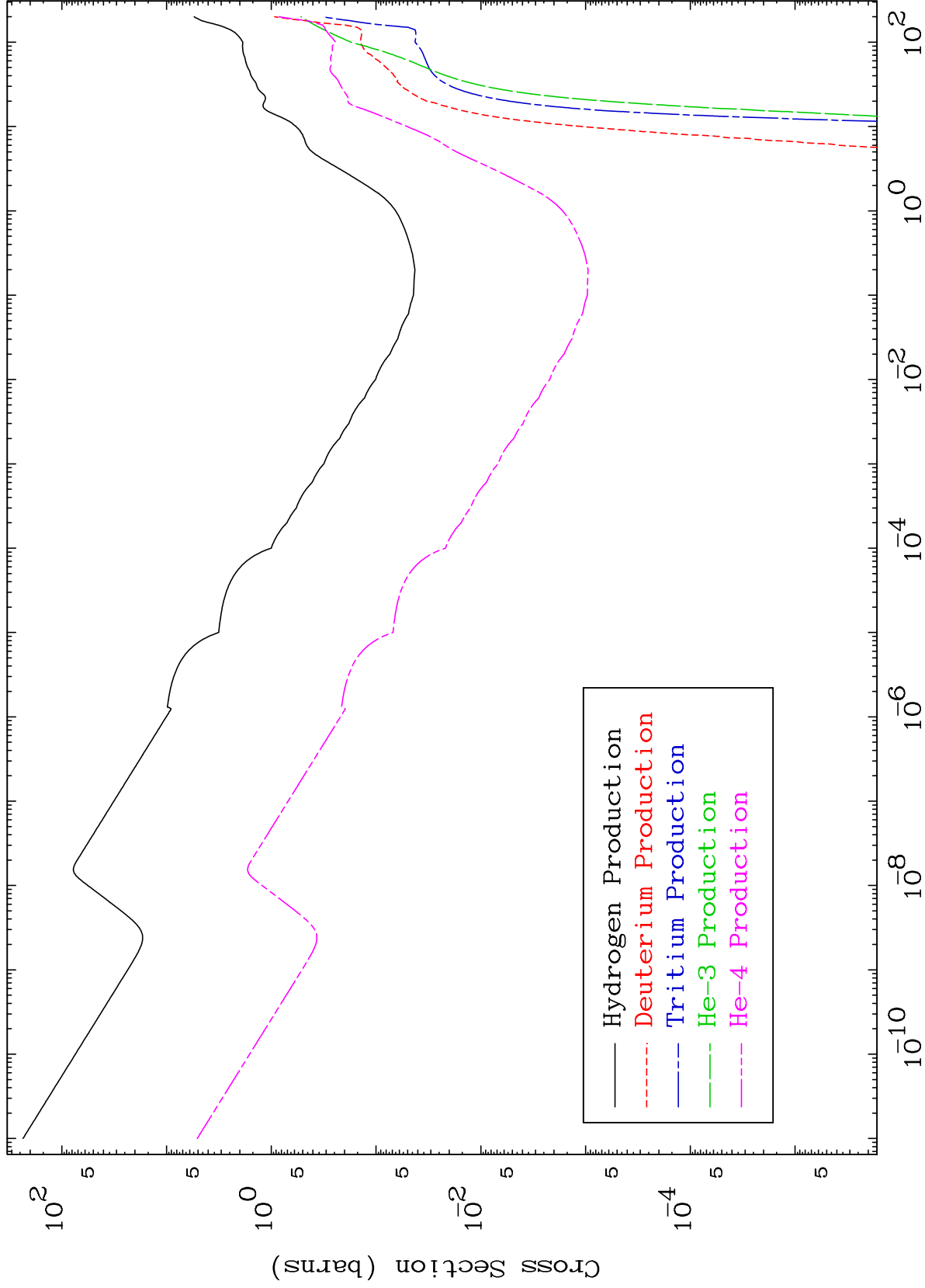
MAT 8271

Charged Particle
293 Kelvin Cross Sections

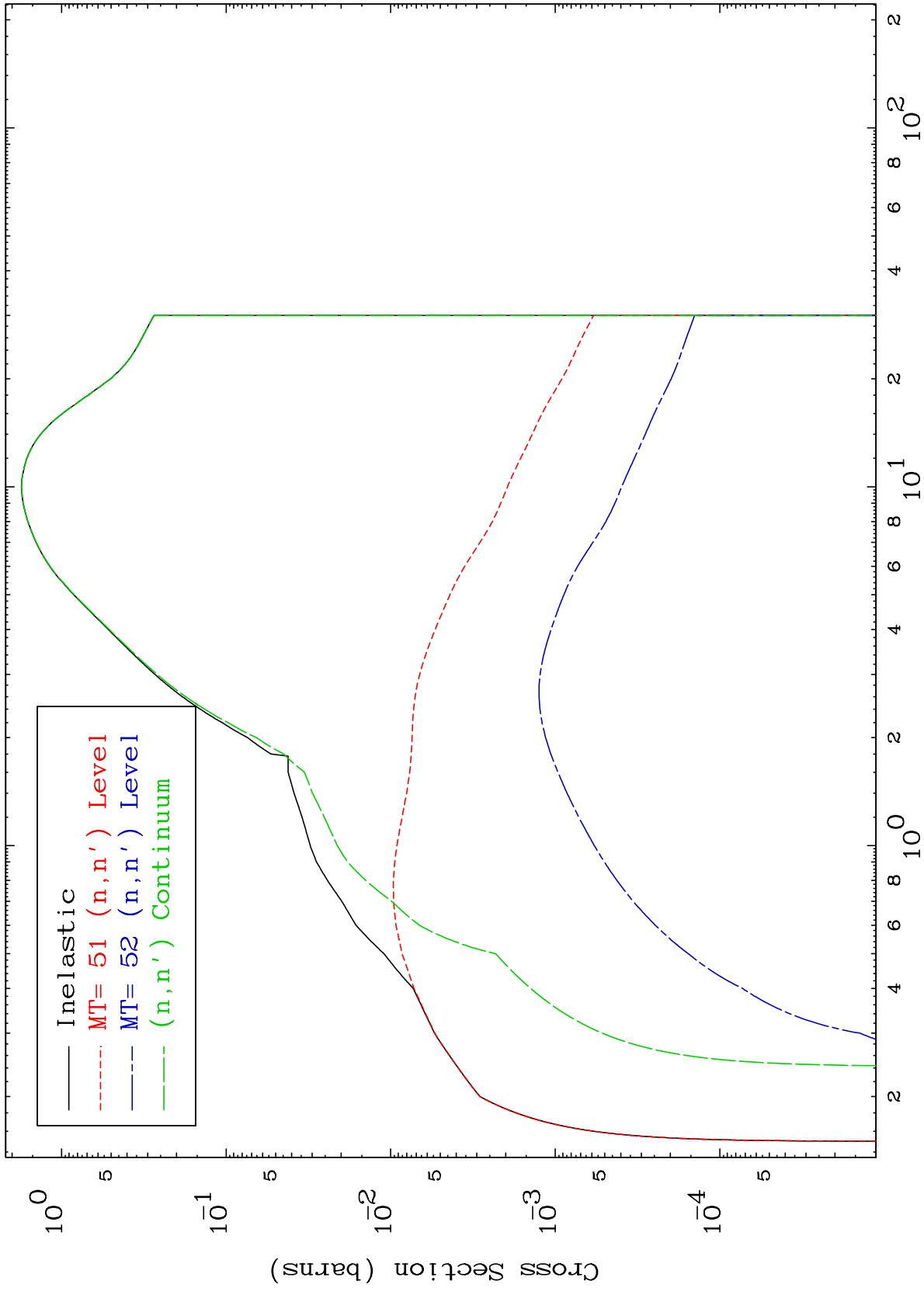
83-Bi-191







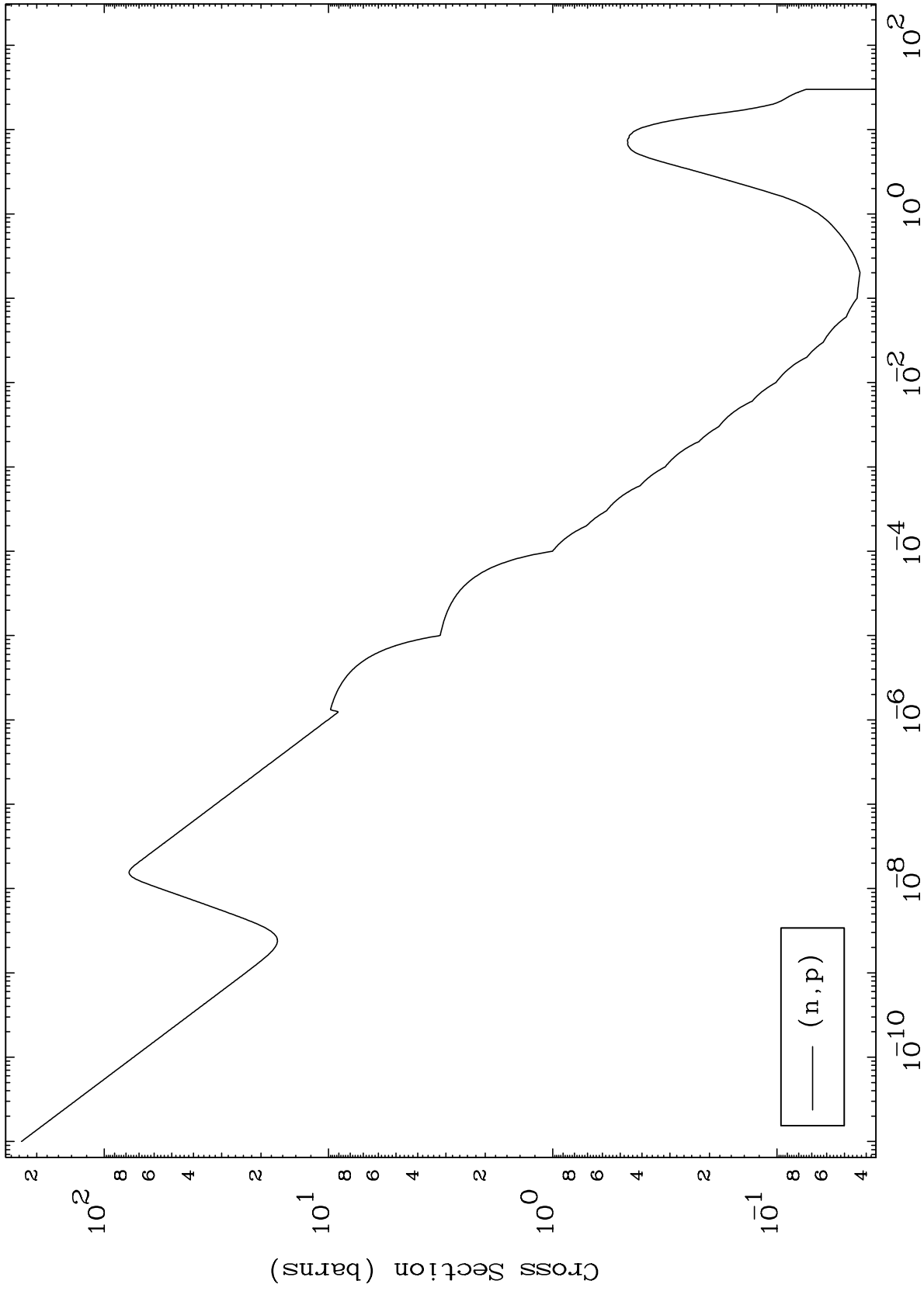
(n,n') Level
293 Kelvin Cross Sections



MAT 8271

(n,p) Levels
293 Kelvin Cross Sections

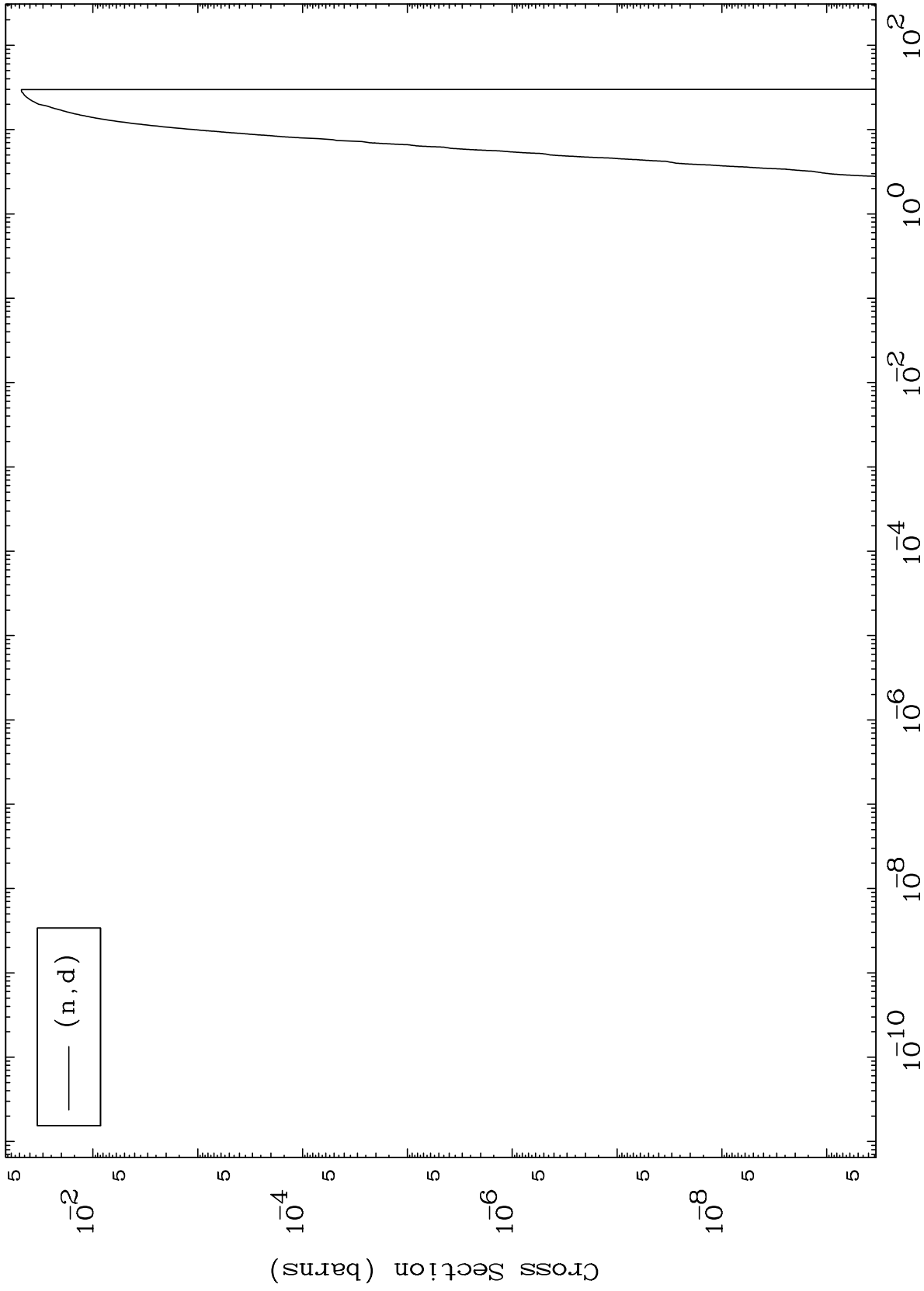
83-Bi-191



MAT 8271

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-191



10

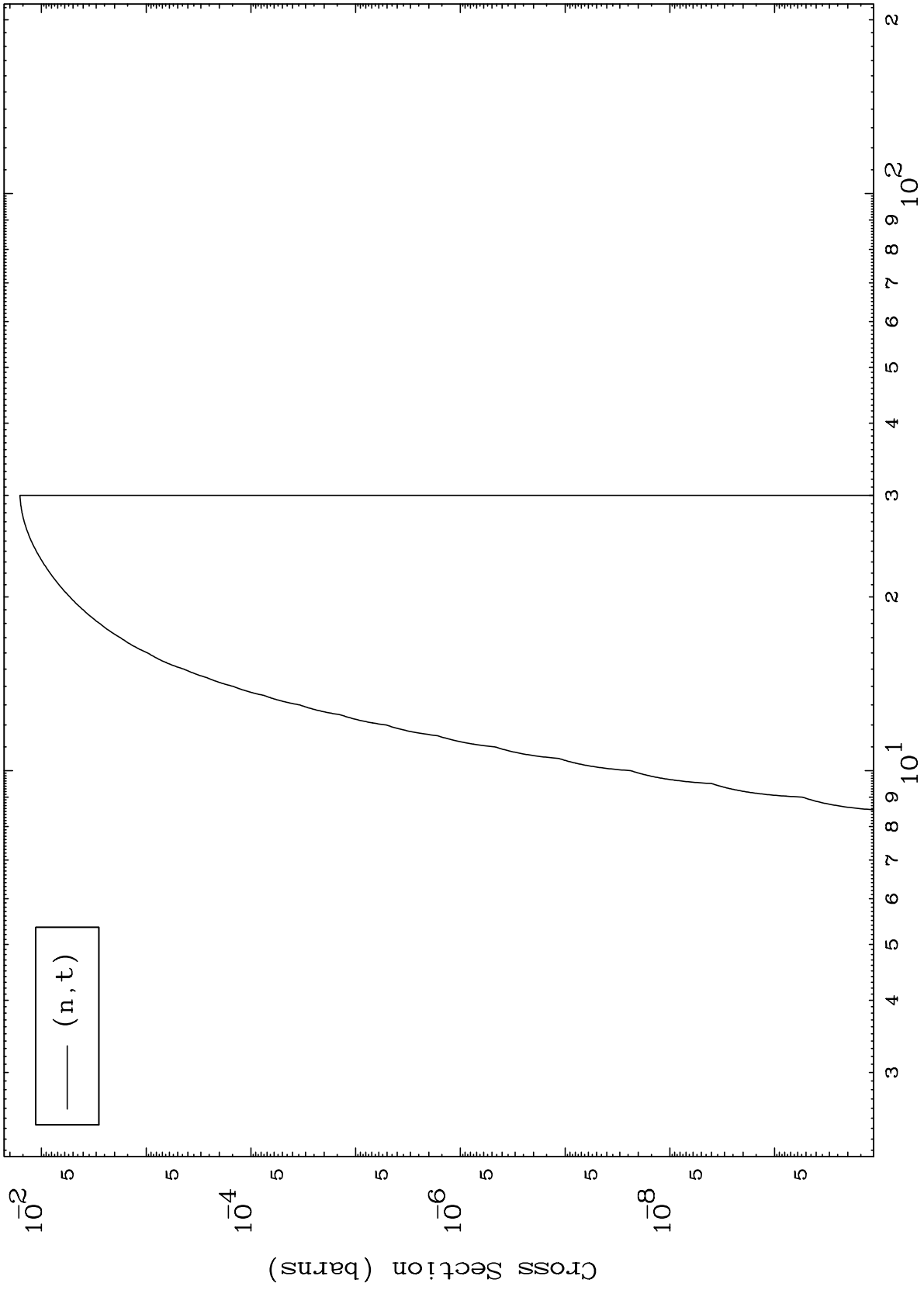
Incident Energy (MeV)

83-Bi-191

MAT 8271

(n,t) Levels
293 Kelvin Cross Sections

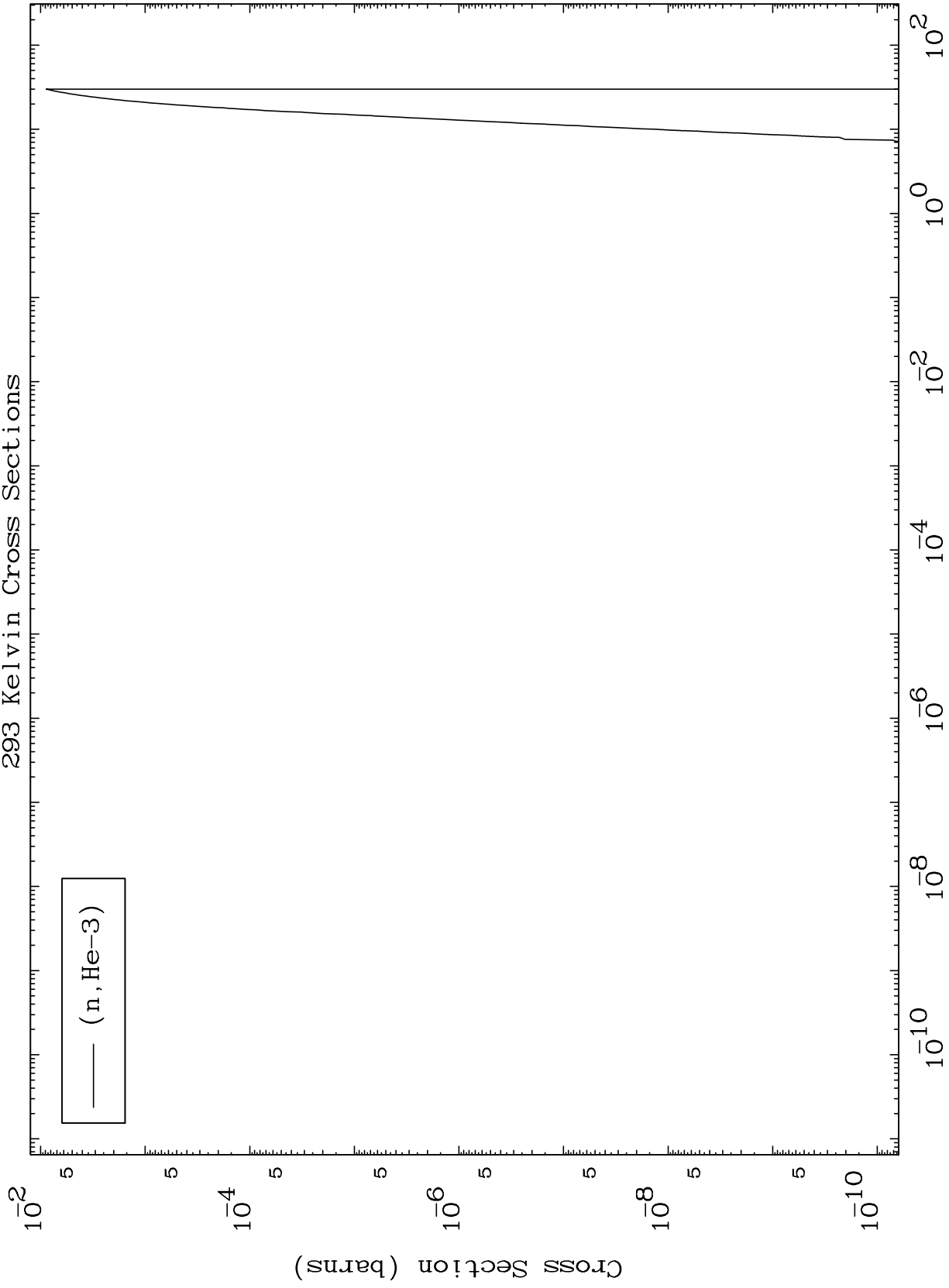
83-Bi-191



MAT 8271

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-191



12

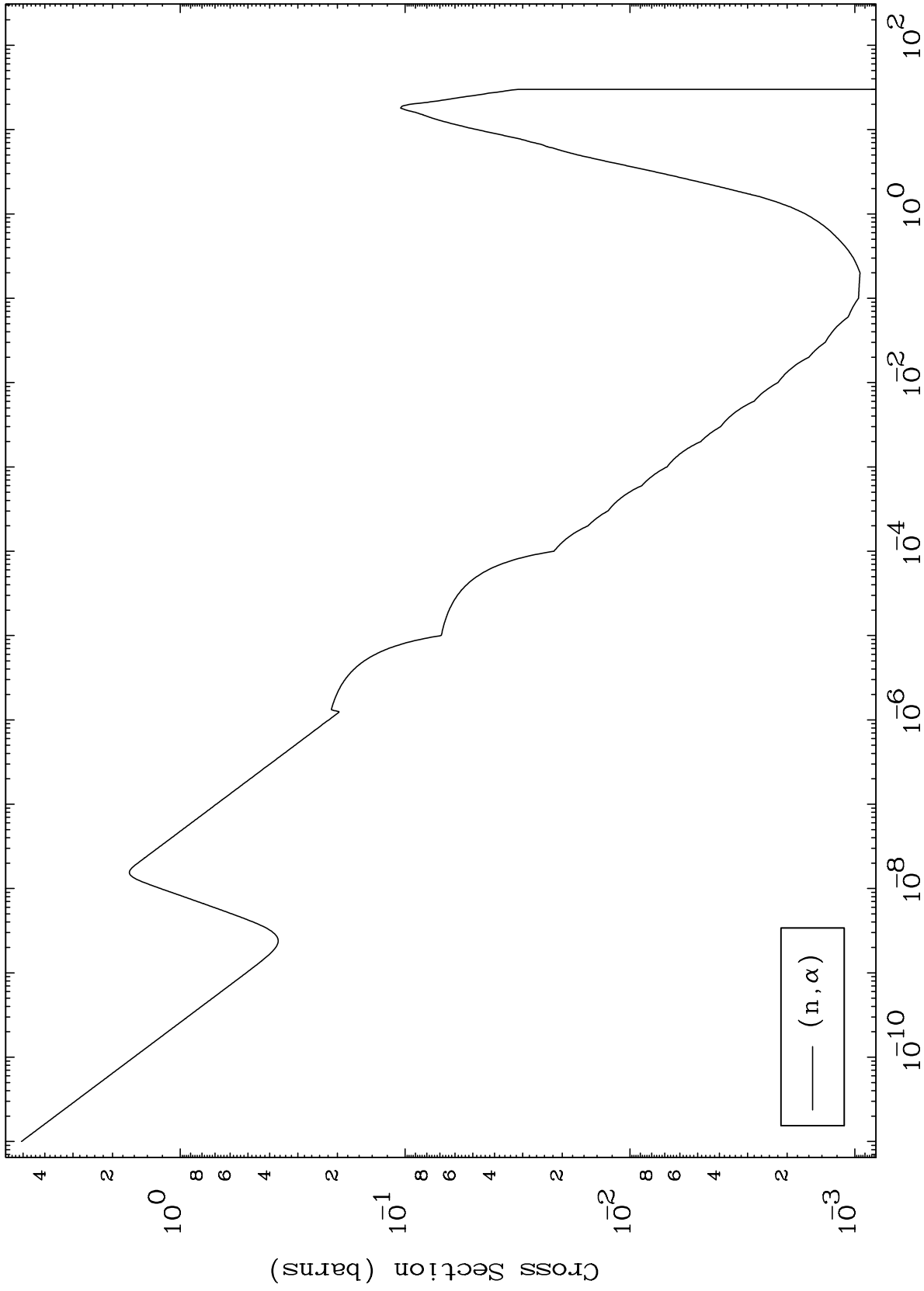
Incident Energy (MeV)

83-Bi-191

MAT 8271

(n,α) Levels
293 Kelvin Cross Sections

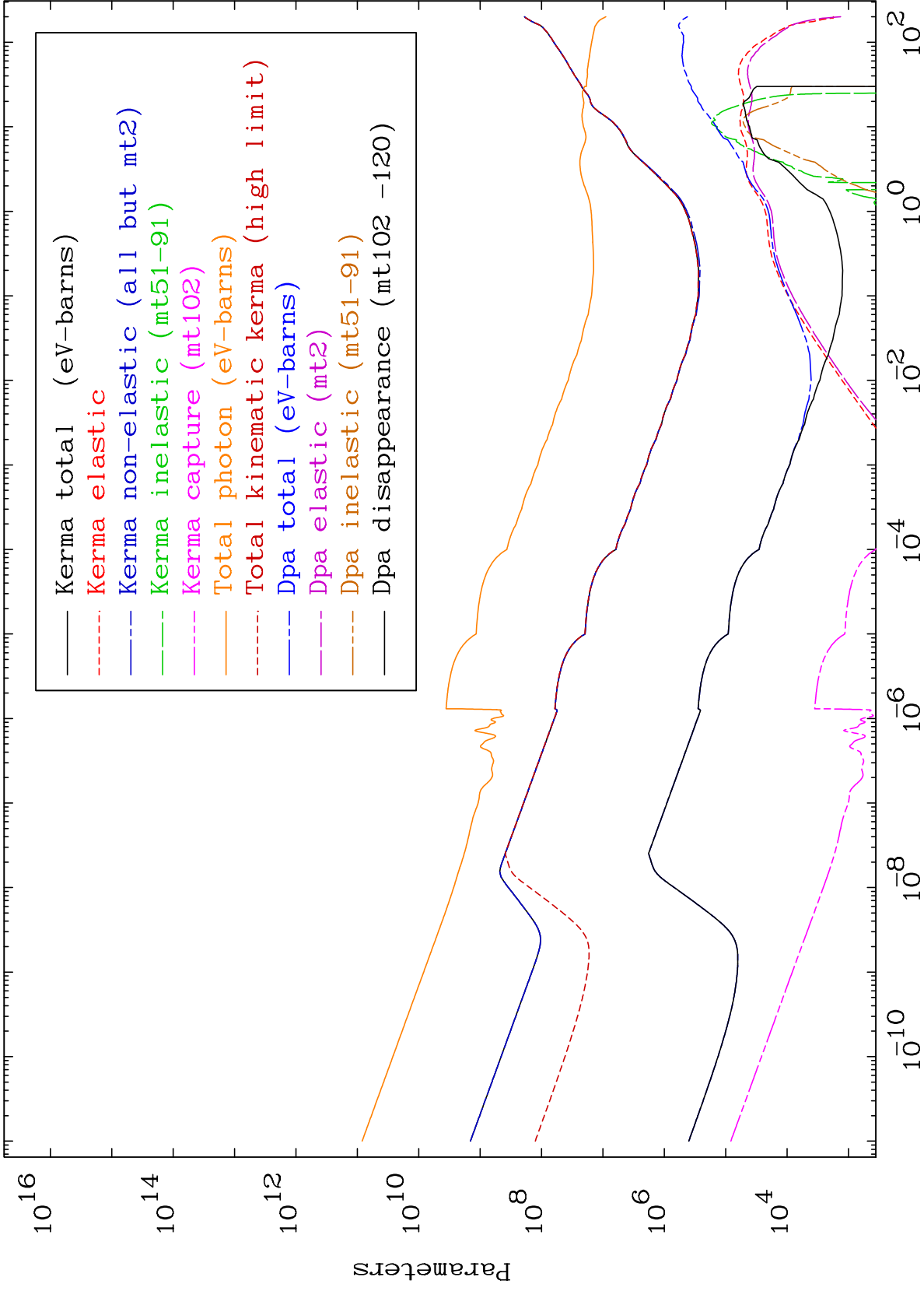
83-Bi-191



13

Incident Energy (MeV)

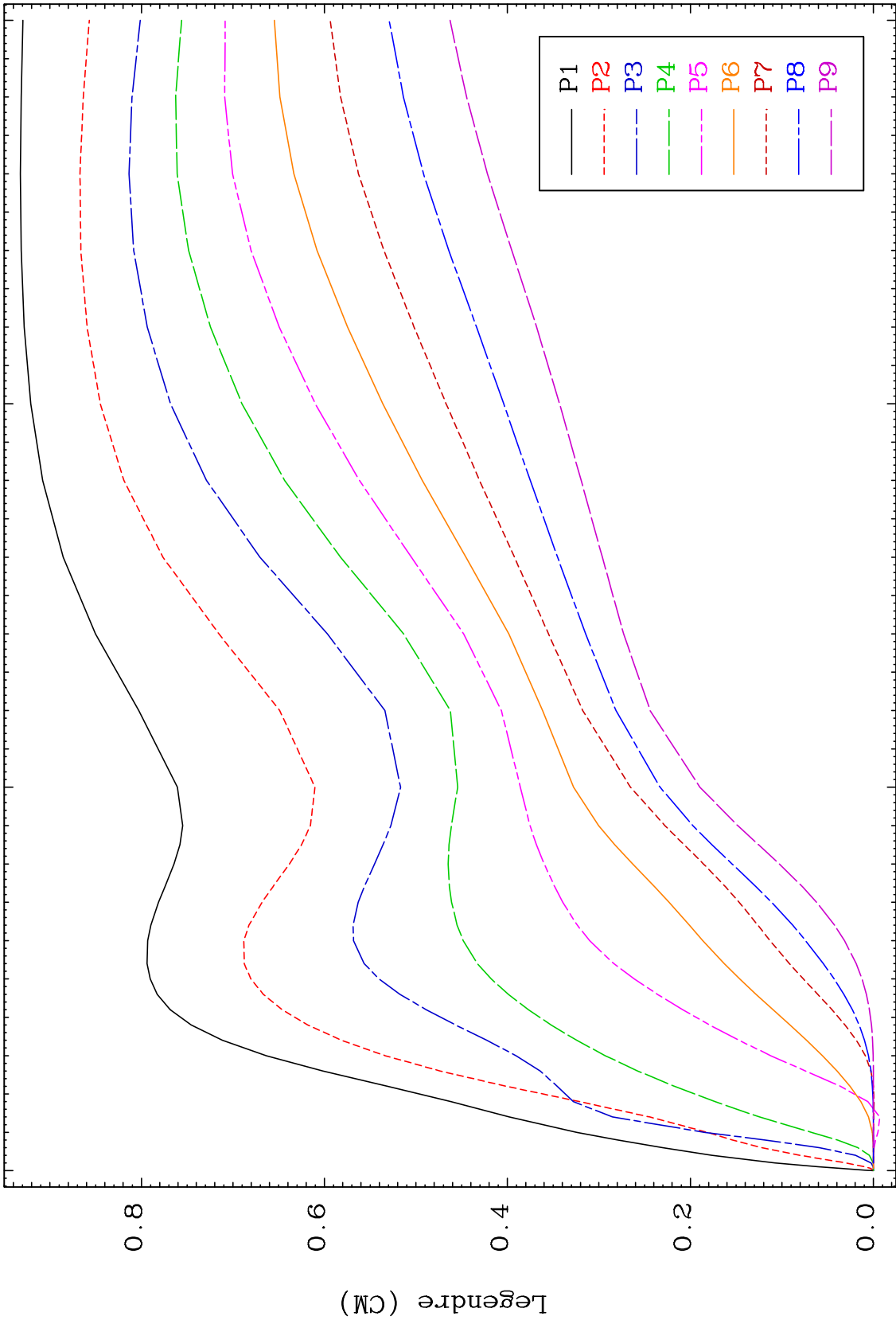
83-Bi-191



MAT 8271

Elastic Legendre Coefficients

$^{83}\text{Bi-191}$



0

15

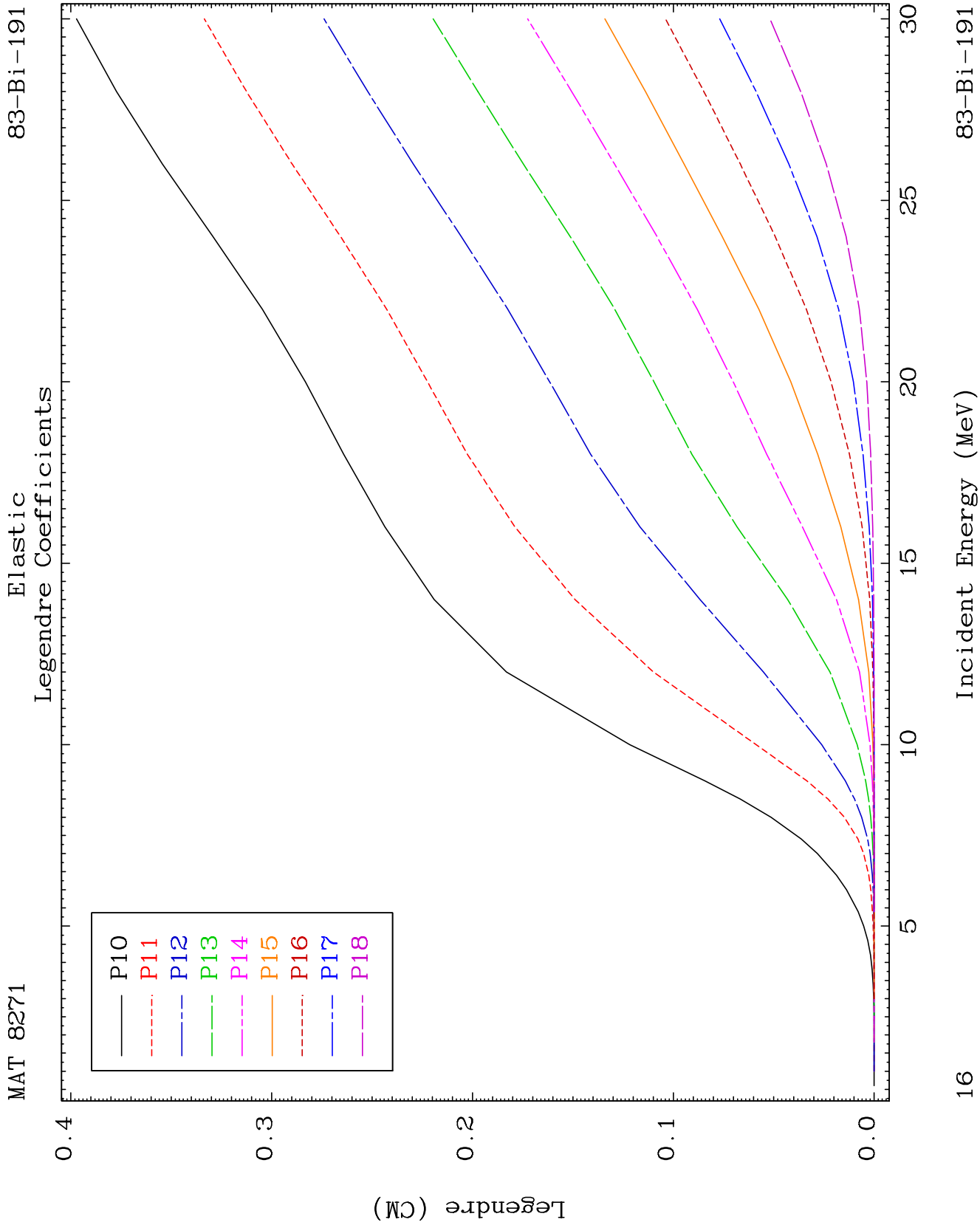
10

20

30

Incident Energy (MeV)

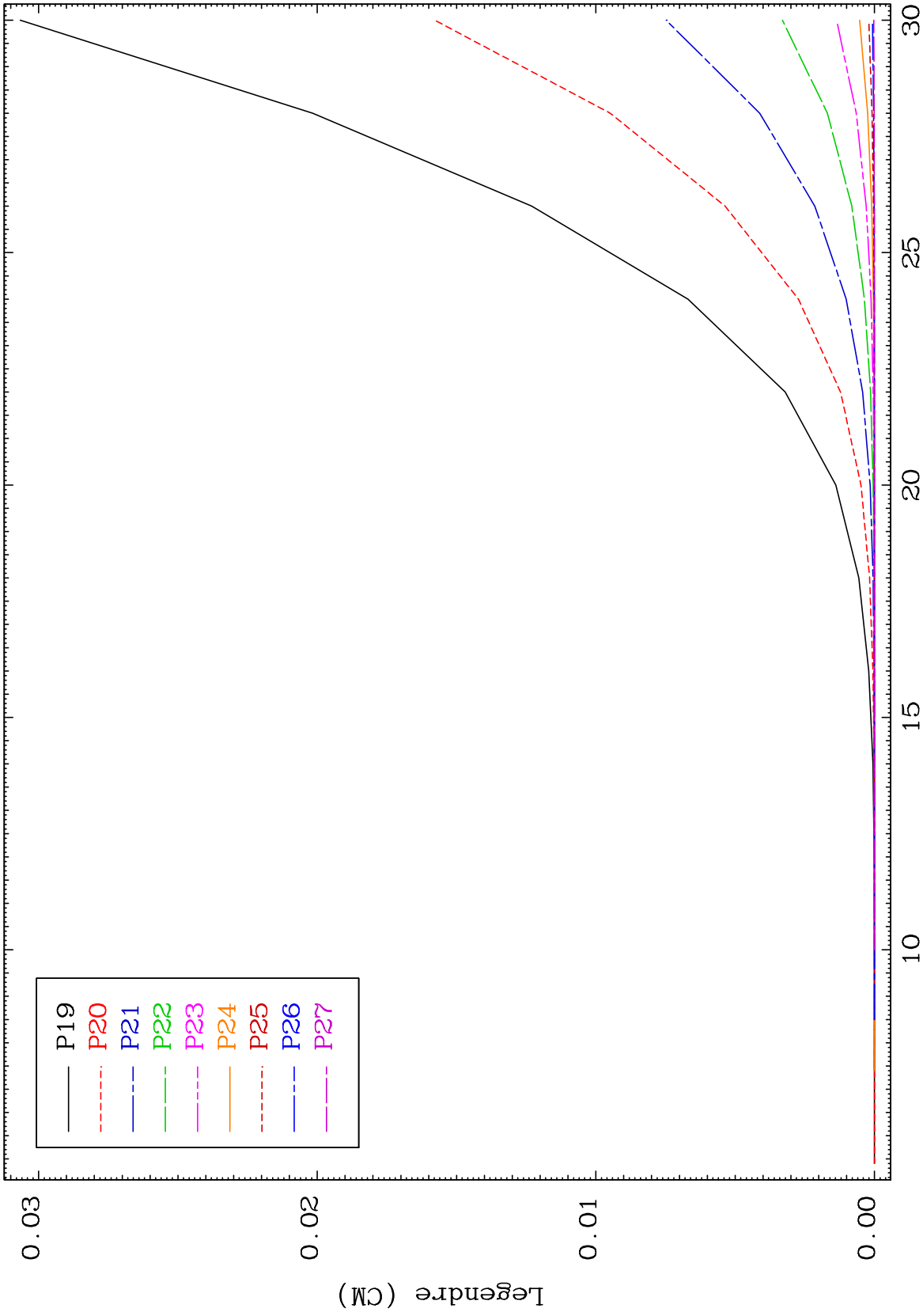
$^{83}\text{Bi-191}$



MAT 8271

Elastic Legendre Coefficients

83-Bi-191



17

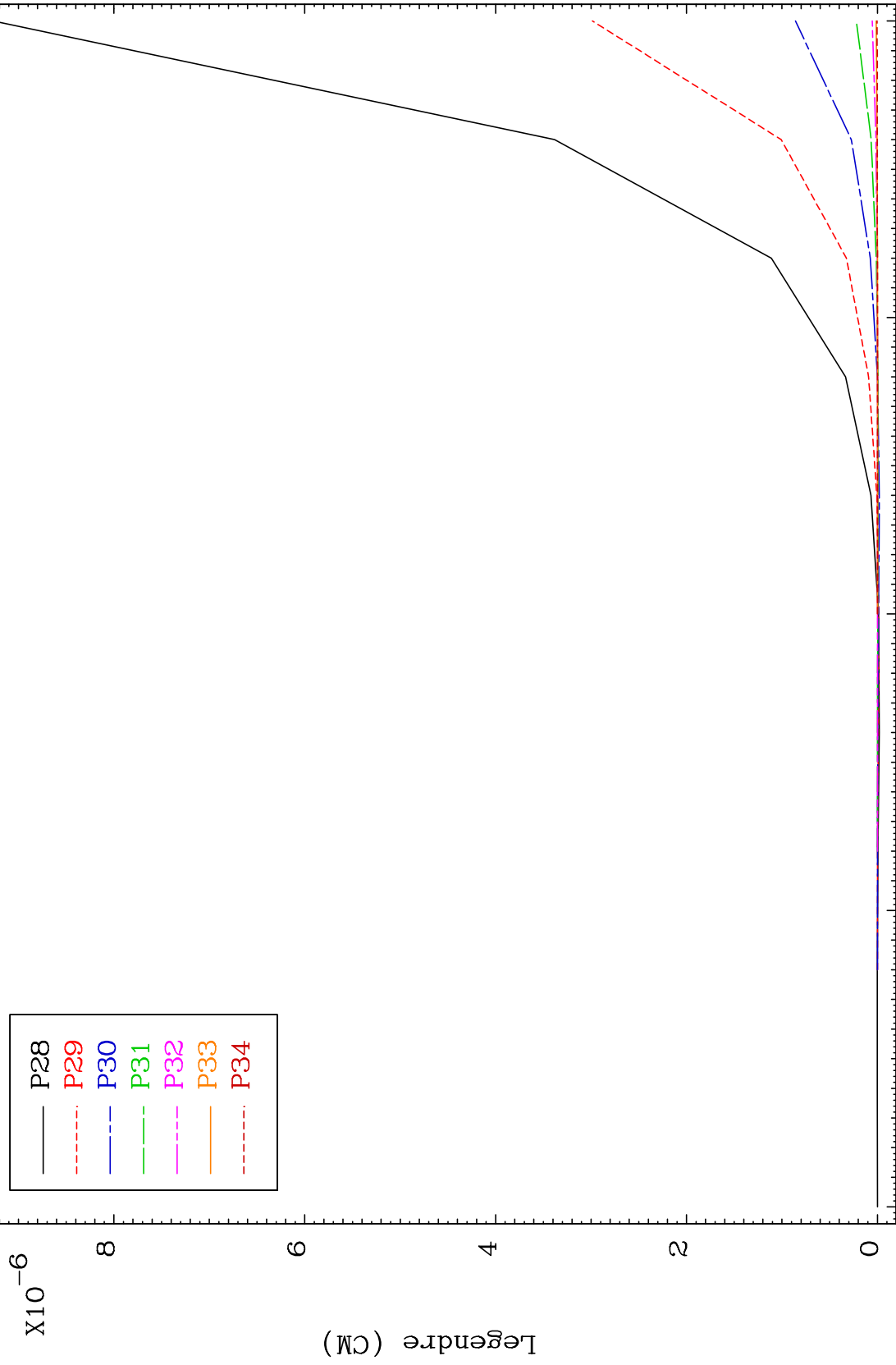
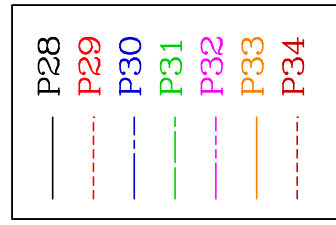
Incident Energy (MeV)

83-Bi-191

MAT 8271

Elastic Legendre Coefficients

83-Bi-191



18

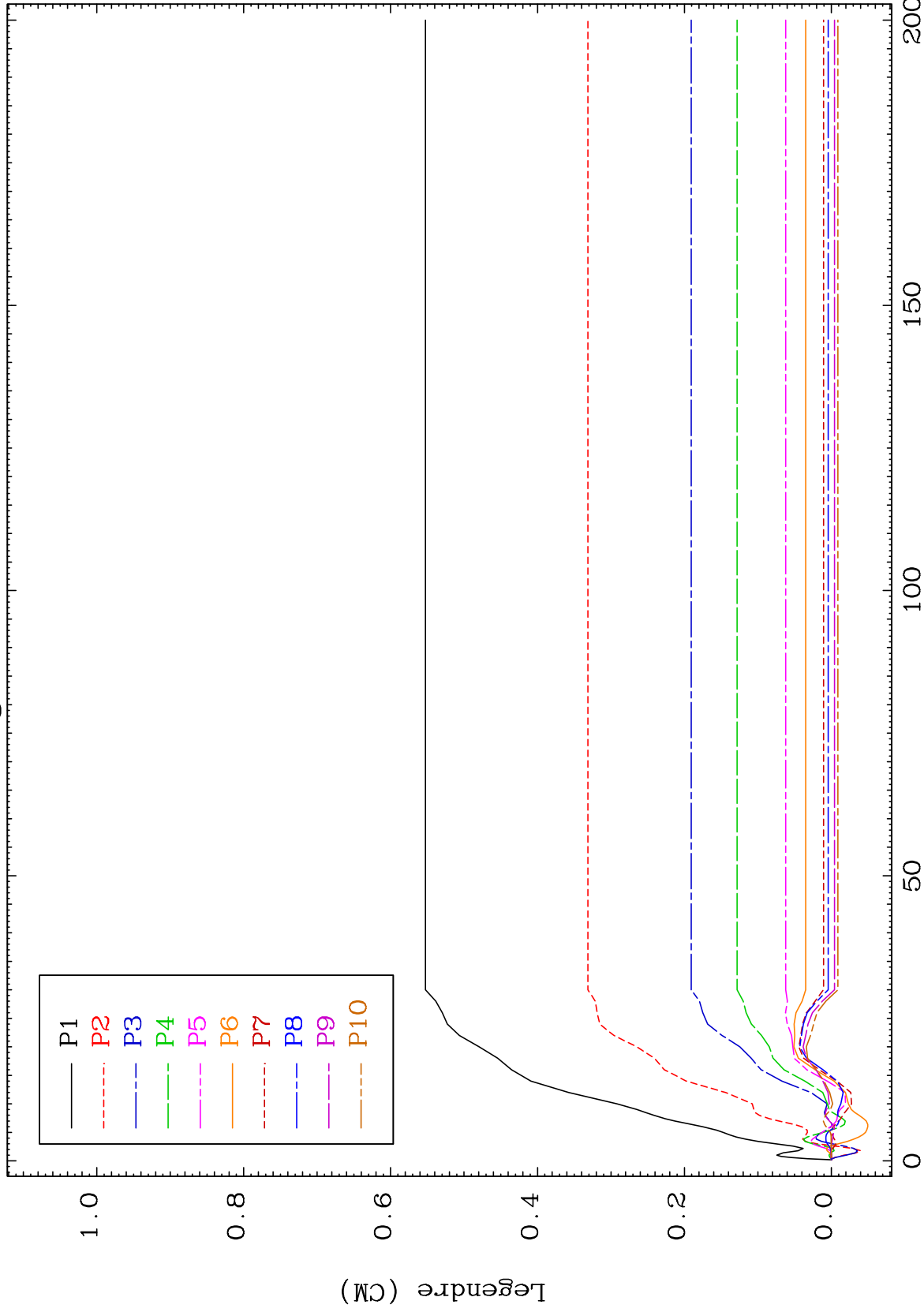
Incident Energy (MeV)

83-Bi-191

MAT 8271

MT= 51 (n,n') Level
Legendre Coefficients

83-Bi-191



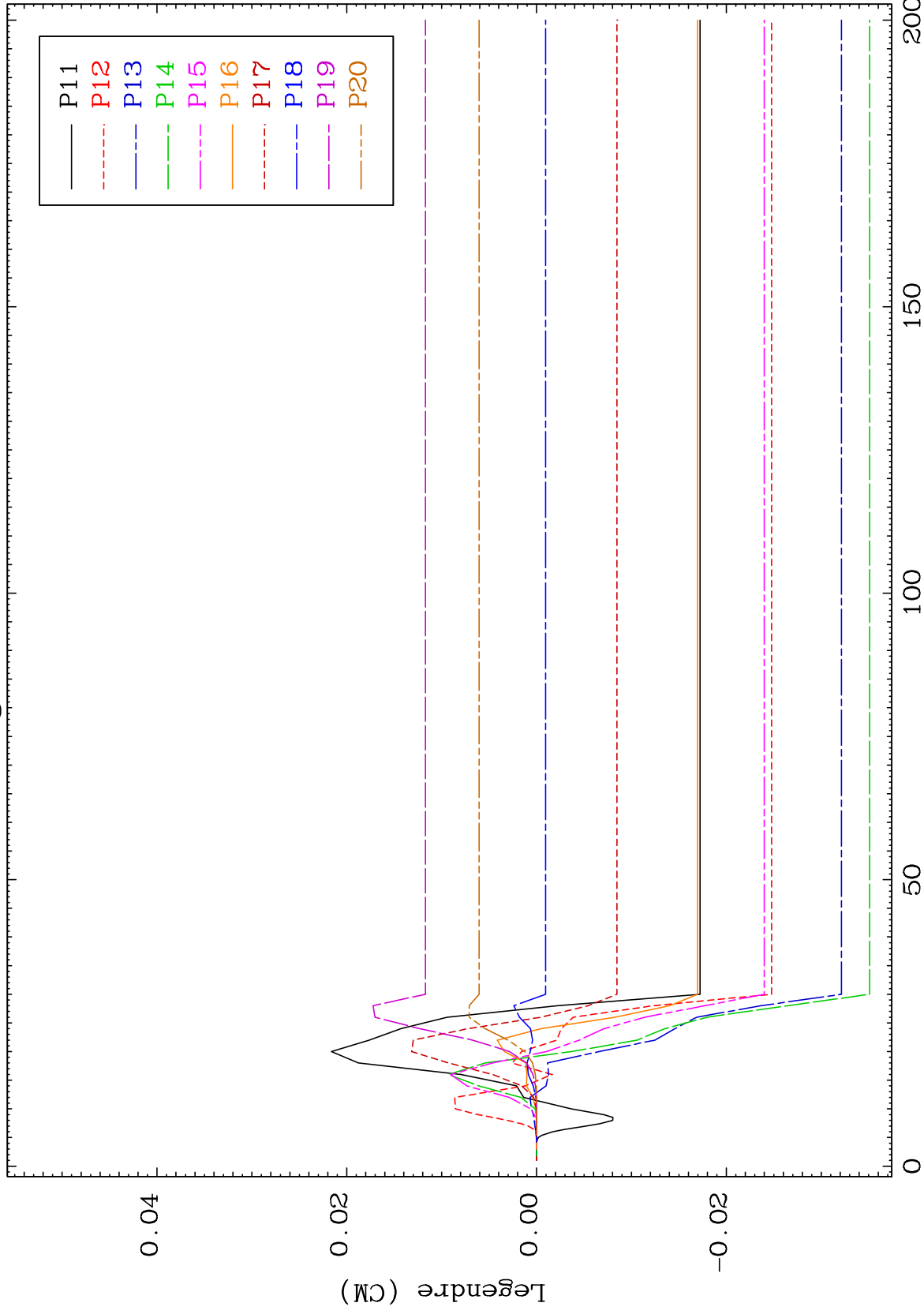
19

83-Bi-191

MAT 8271

MT= 51 (n,n') Level
Legendre Coefficients

83-Bi-191



20

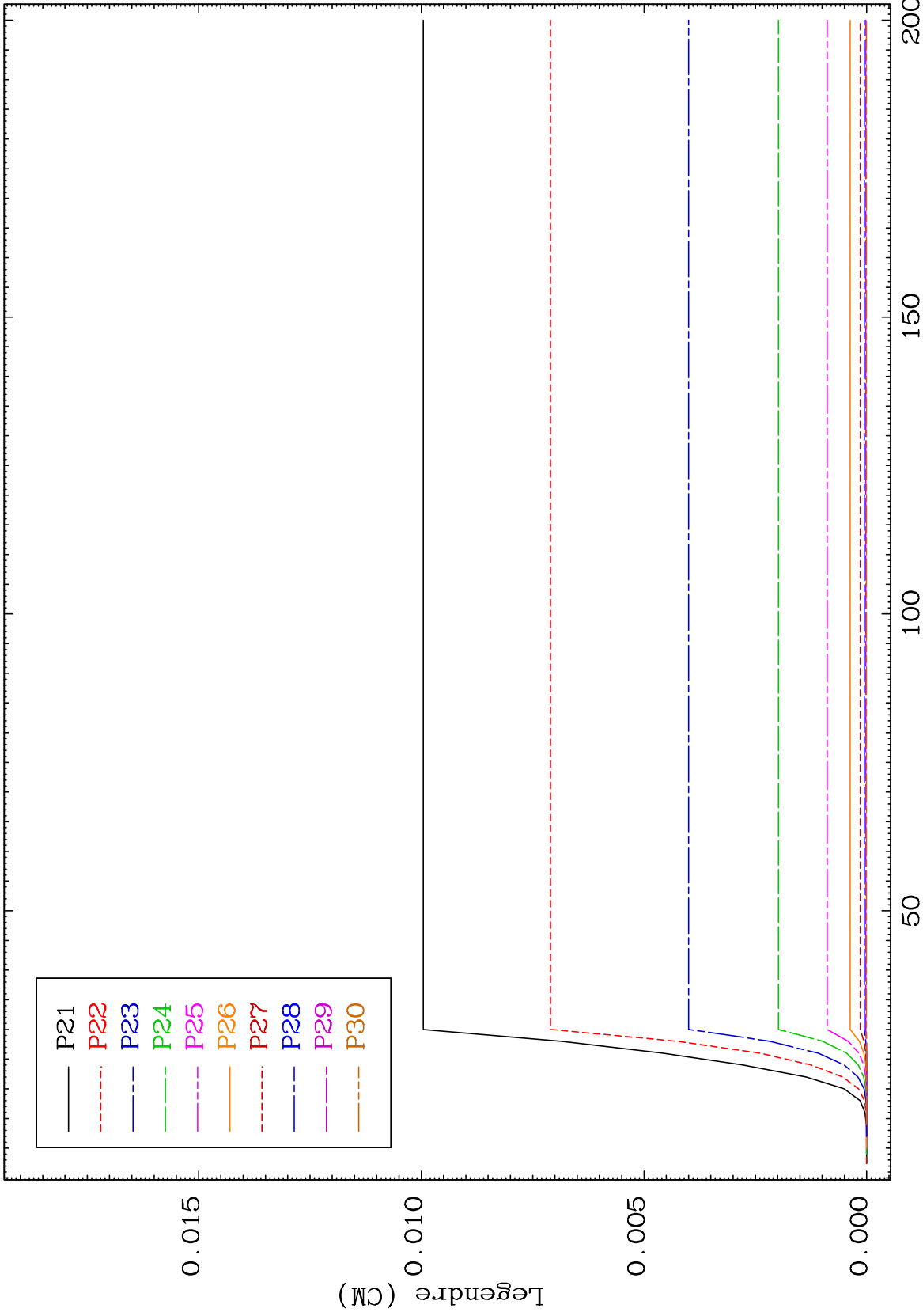
Incident Energy (MeV)

83-Bi-191

MAT 8271

MT= 51 (n,n') Level
Legendre Coefficients

83-Bi-191



21

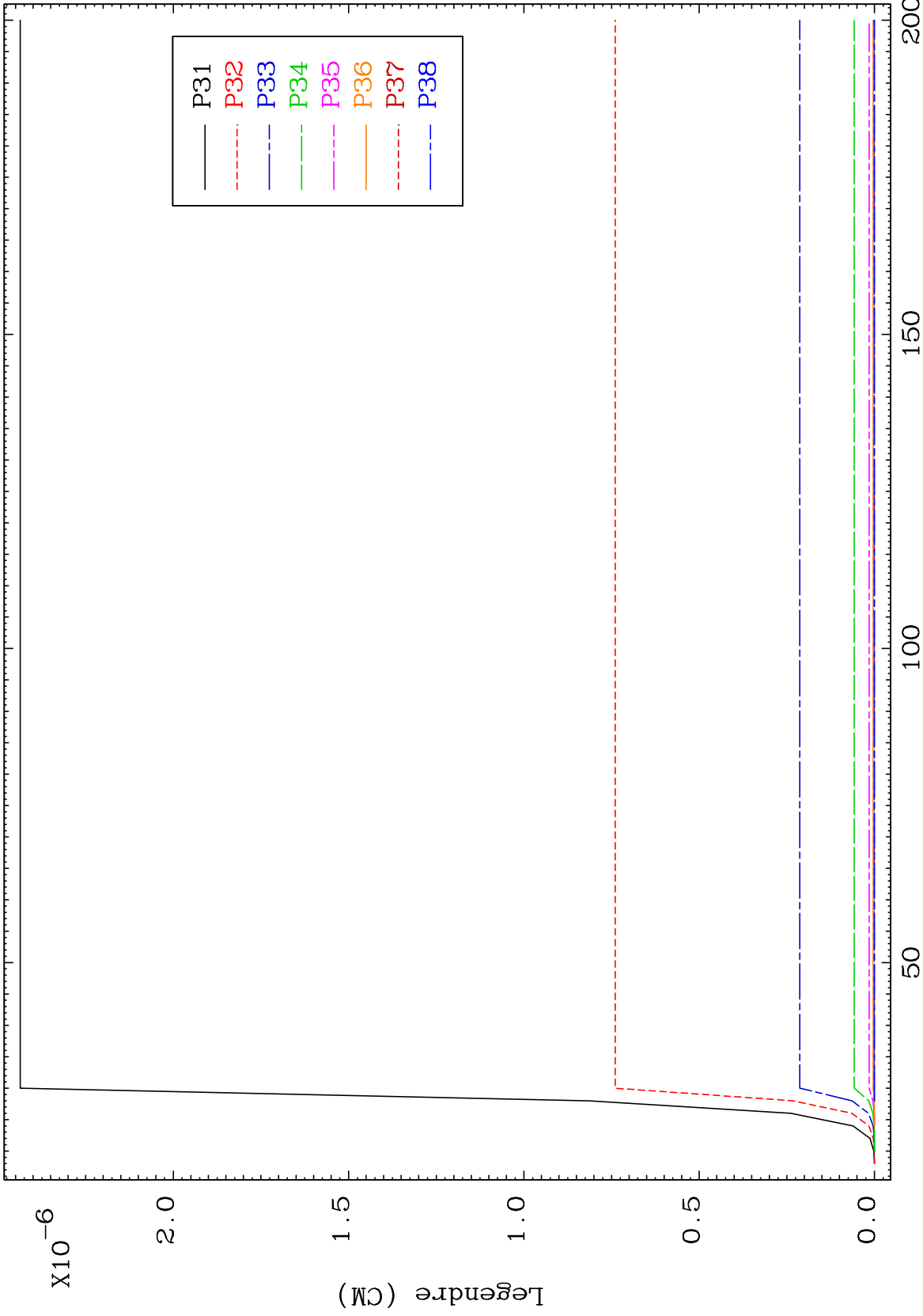
Incident Energy (MeV)

83-Bi-191

MAT 8271

MT= 51 (n,n') Level
Legendre Coefficients

83-Bi-191



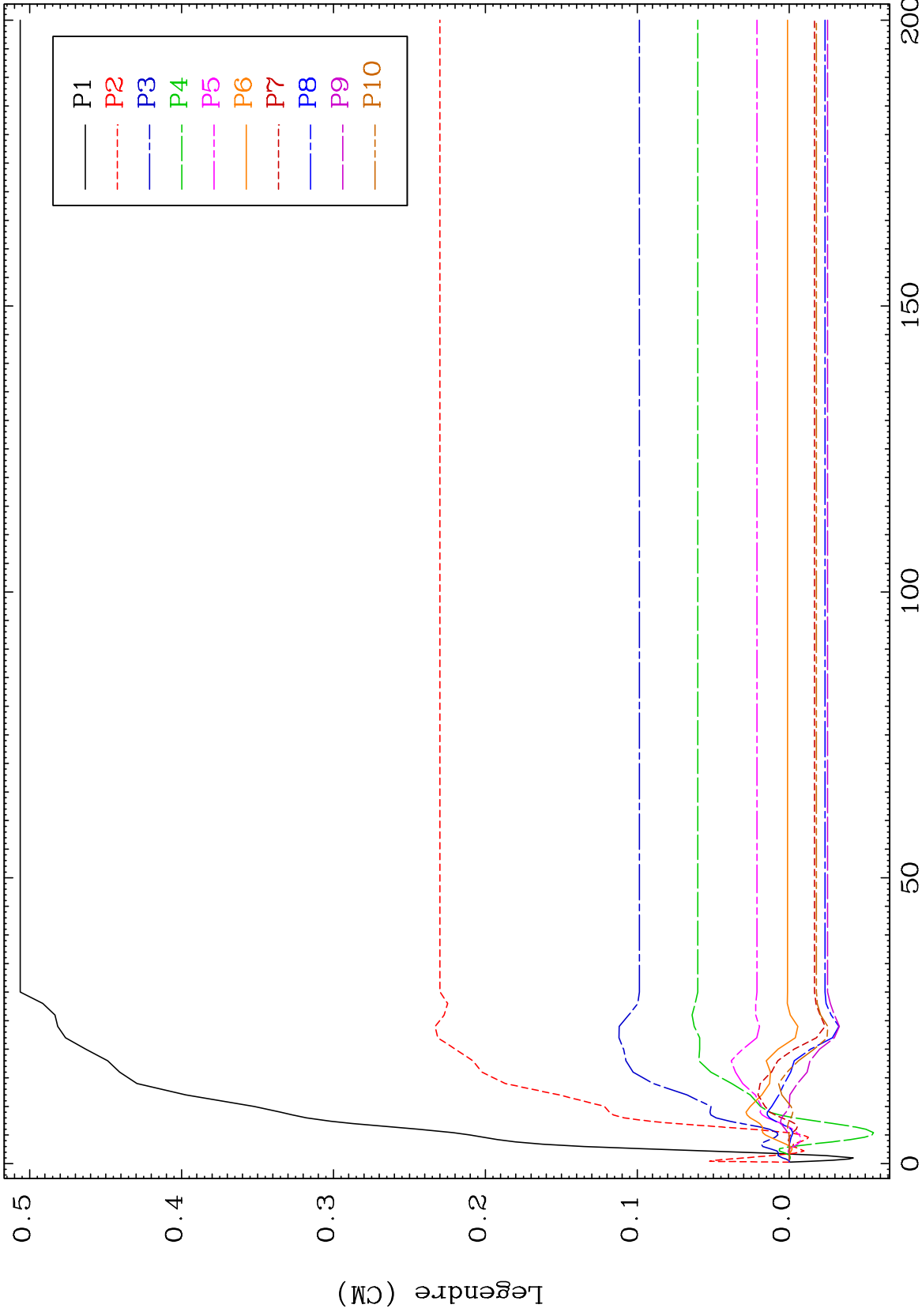
22

83-Bi-191

MAT 8271

MT= 52 (n,n') Level
Legendre Coefficients

83-Bi-191



23

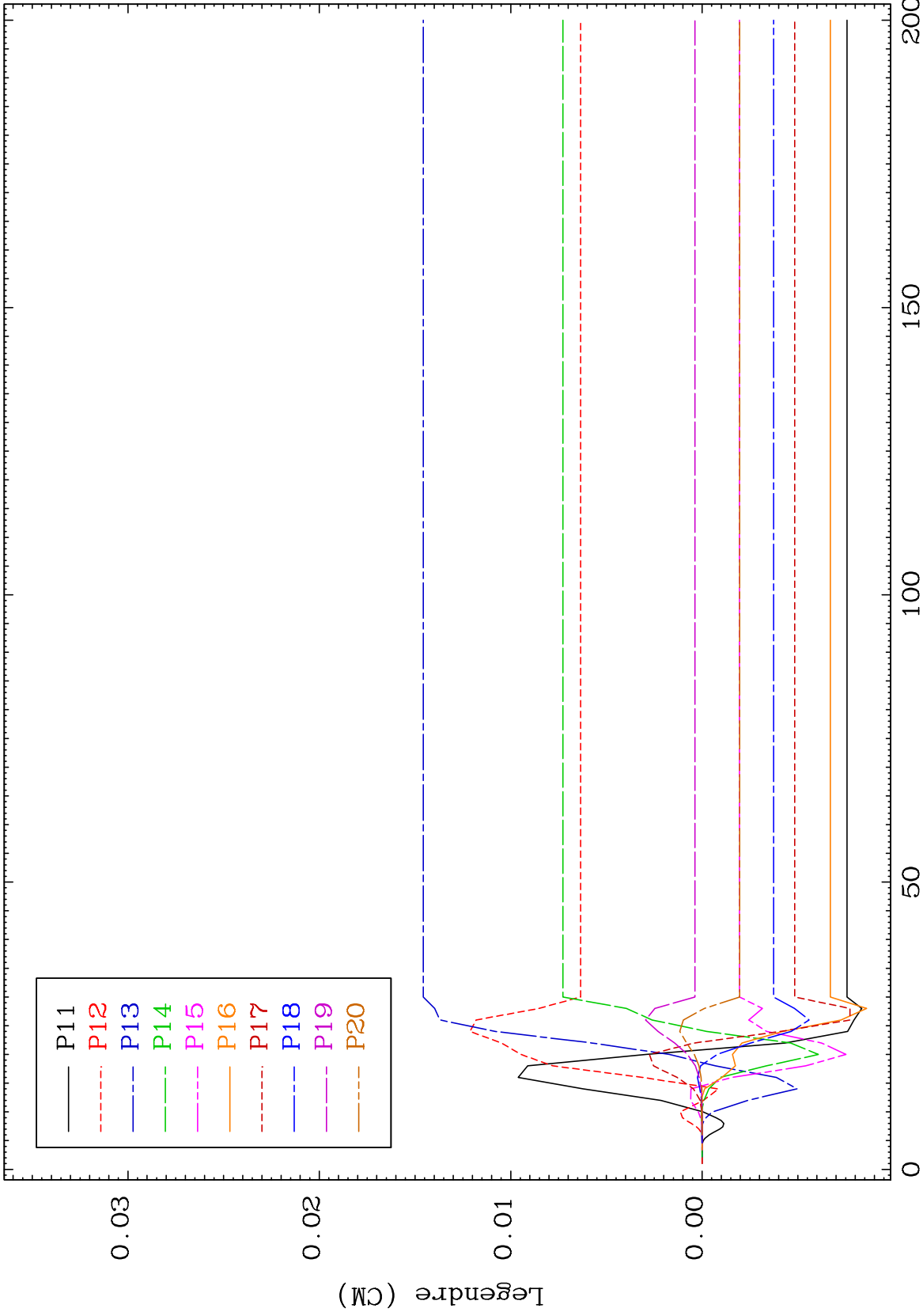
Incident Energy (MeV)

83-Bi-191

MAT 8271

MT= 52 (n,n') Level
Legendre Coefficients

83-Bi-191



24

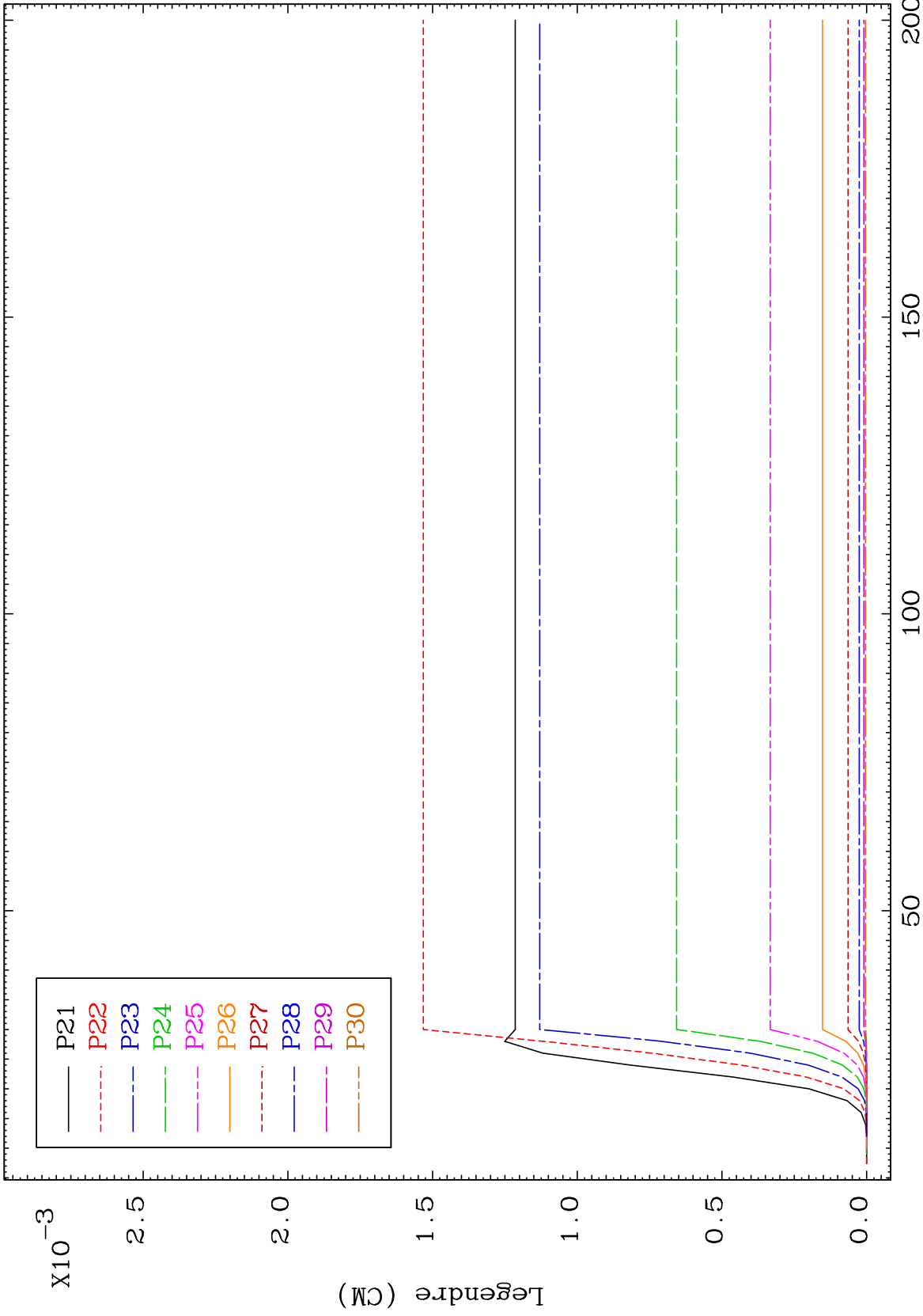
Incident Energy (MeV)

83-Bi-191

MAT 8271

MT= 52 (n,n') Level
Legendre Coefficients

83-Bi-191



25

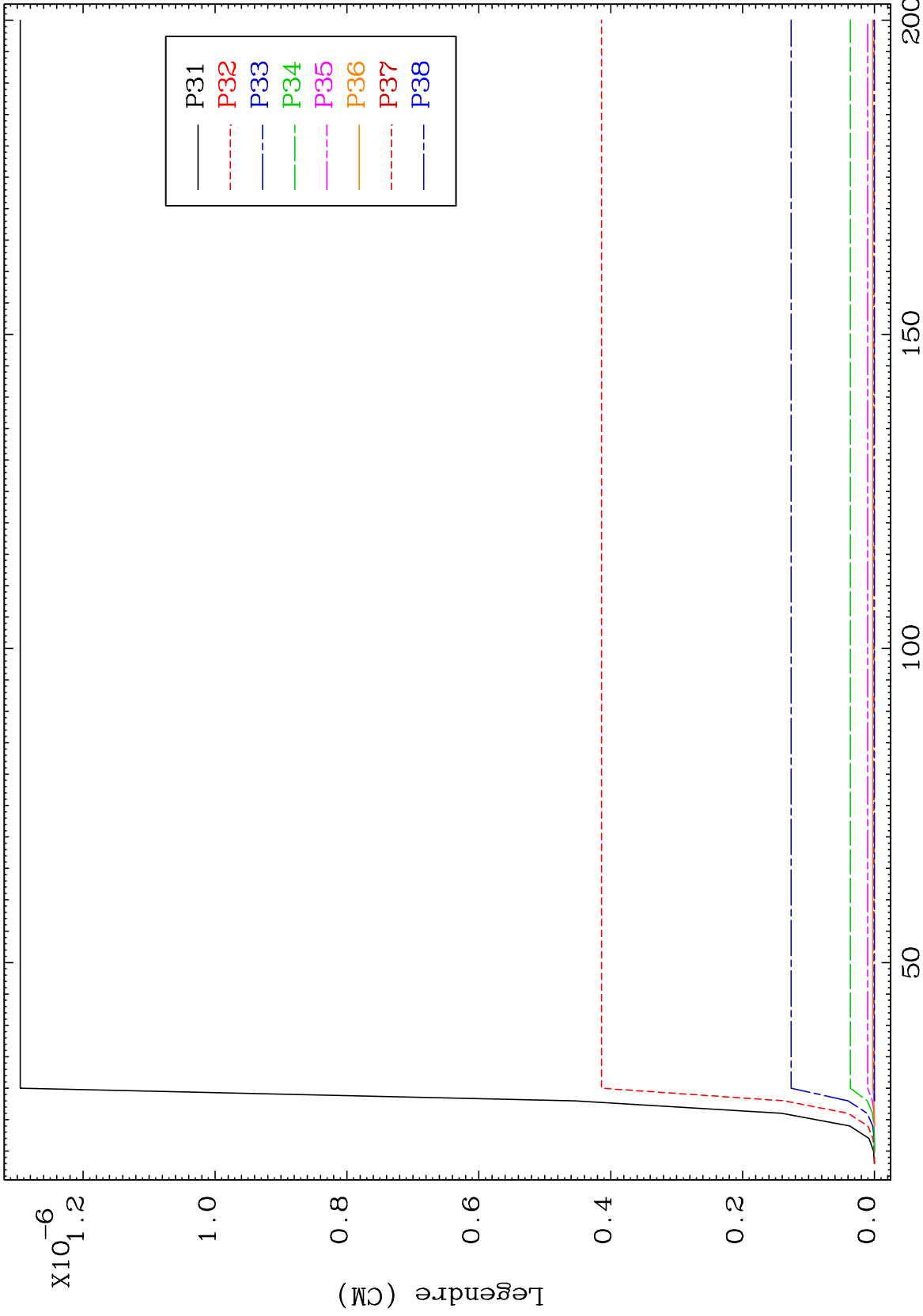
Incident Energy (MeV)

83-Bi-191

MAT 8271

MT= 52 (n,n') Level
Legendre Coefficients

83-Bi-191



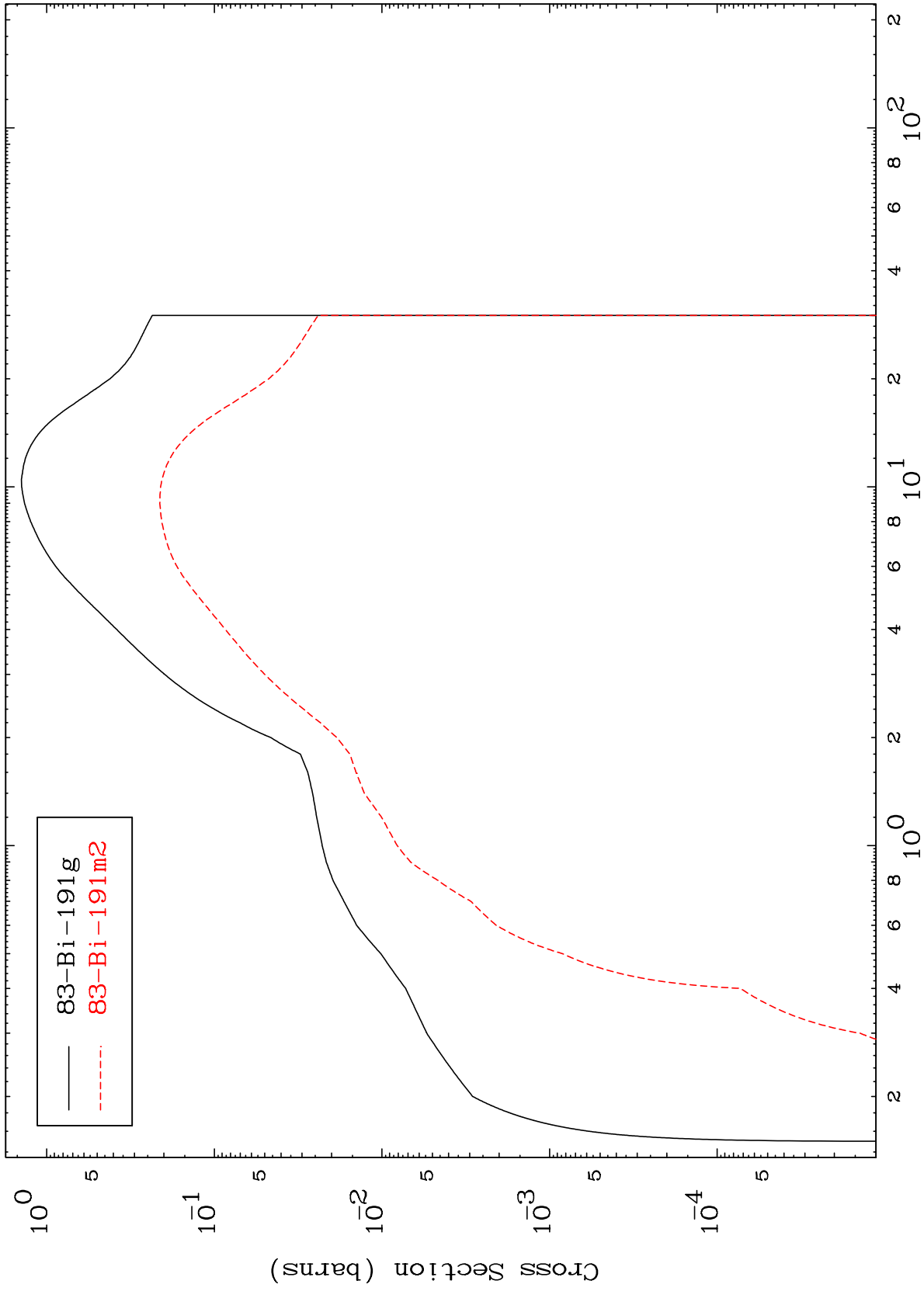
26

83-Bi-191

MAT 8271

83-Bi-191

Inelastic
Radionuclide Production Cross Section



27

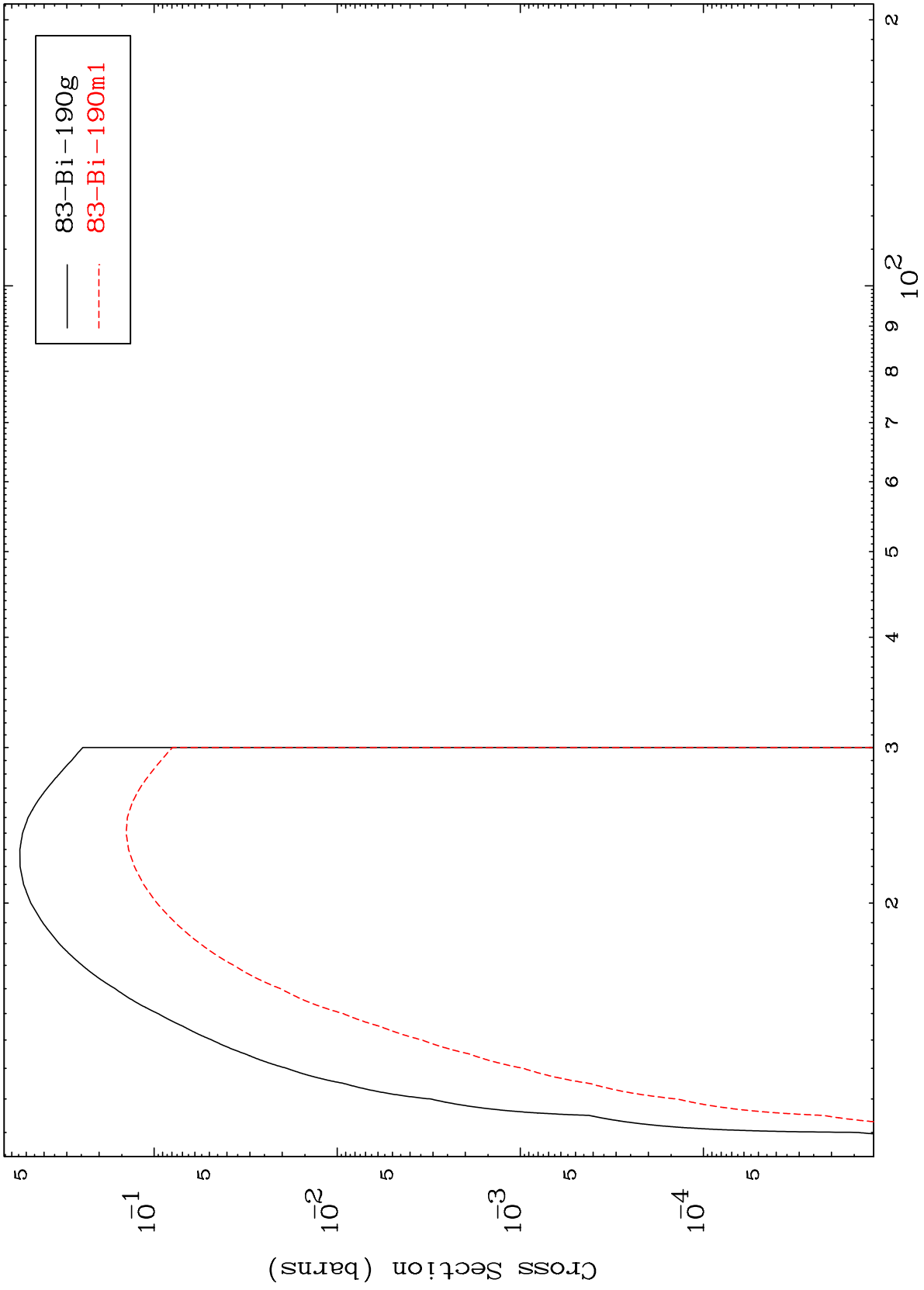
Incident Energy (MeV)

83-Bi-191

MAT 8271

83-Bi-191

(n,2n)
Radionuclide Production Cross Section



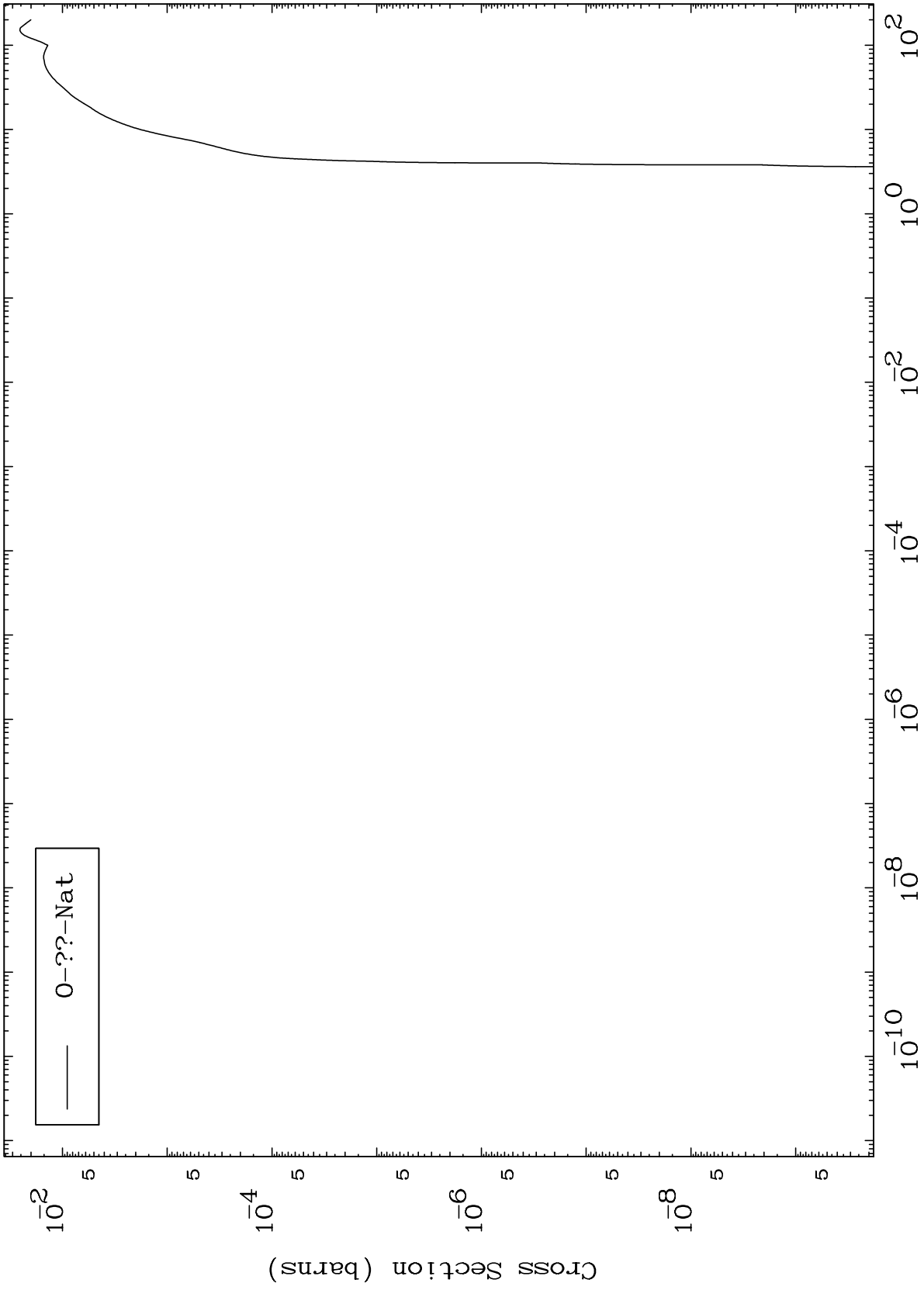
28

83-Bi-191

MAT 8271

Fission
Radionuclide Production Cross Section

83-Bi-191



29

Incident Energy (MeV)

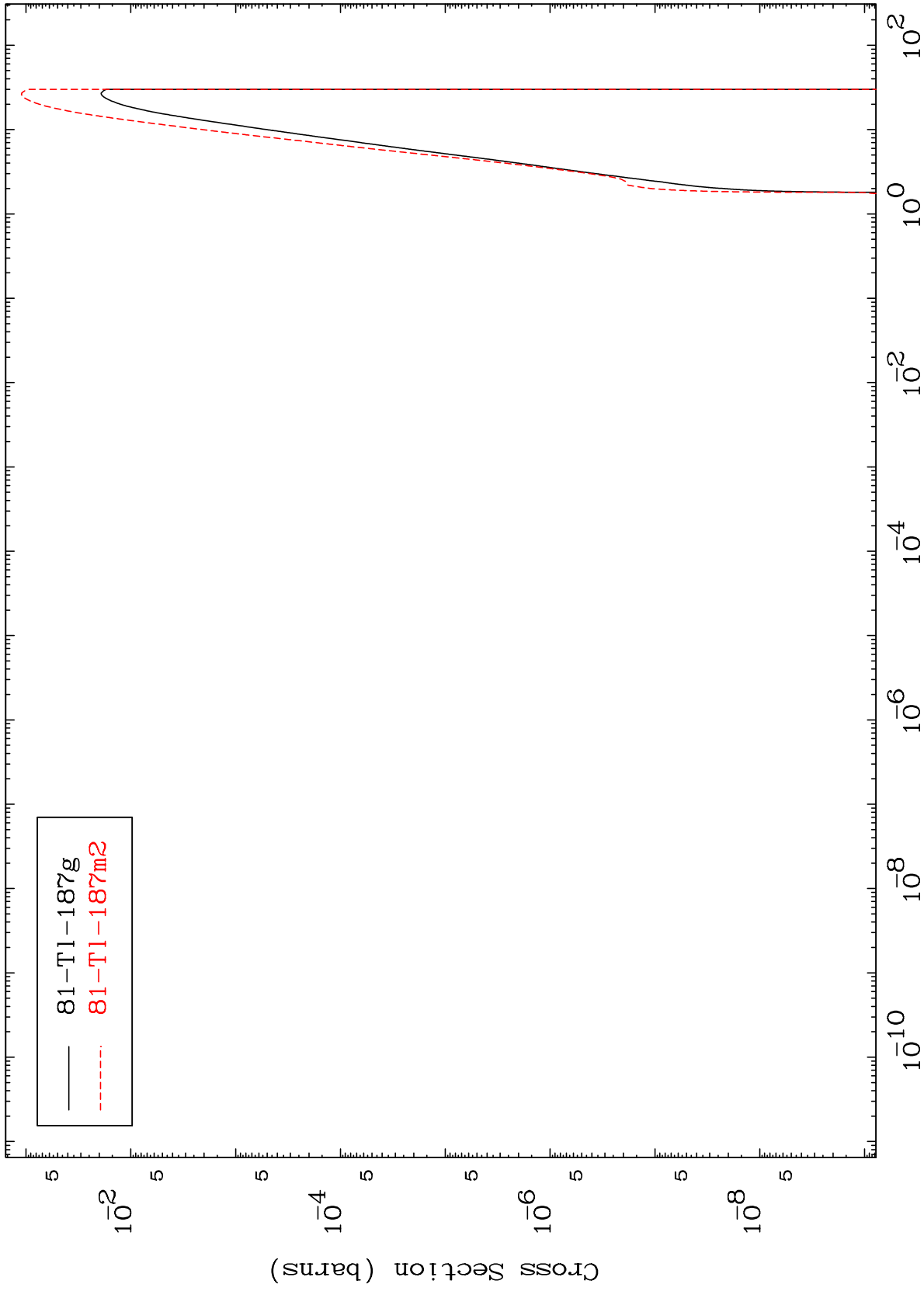
83-Bi-191

MAT 8271

(n,n') α

83-Bi-191

Radionuclide Production Cross Section



30

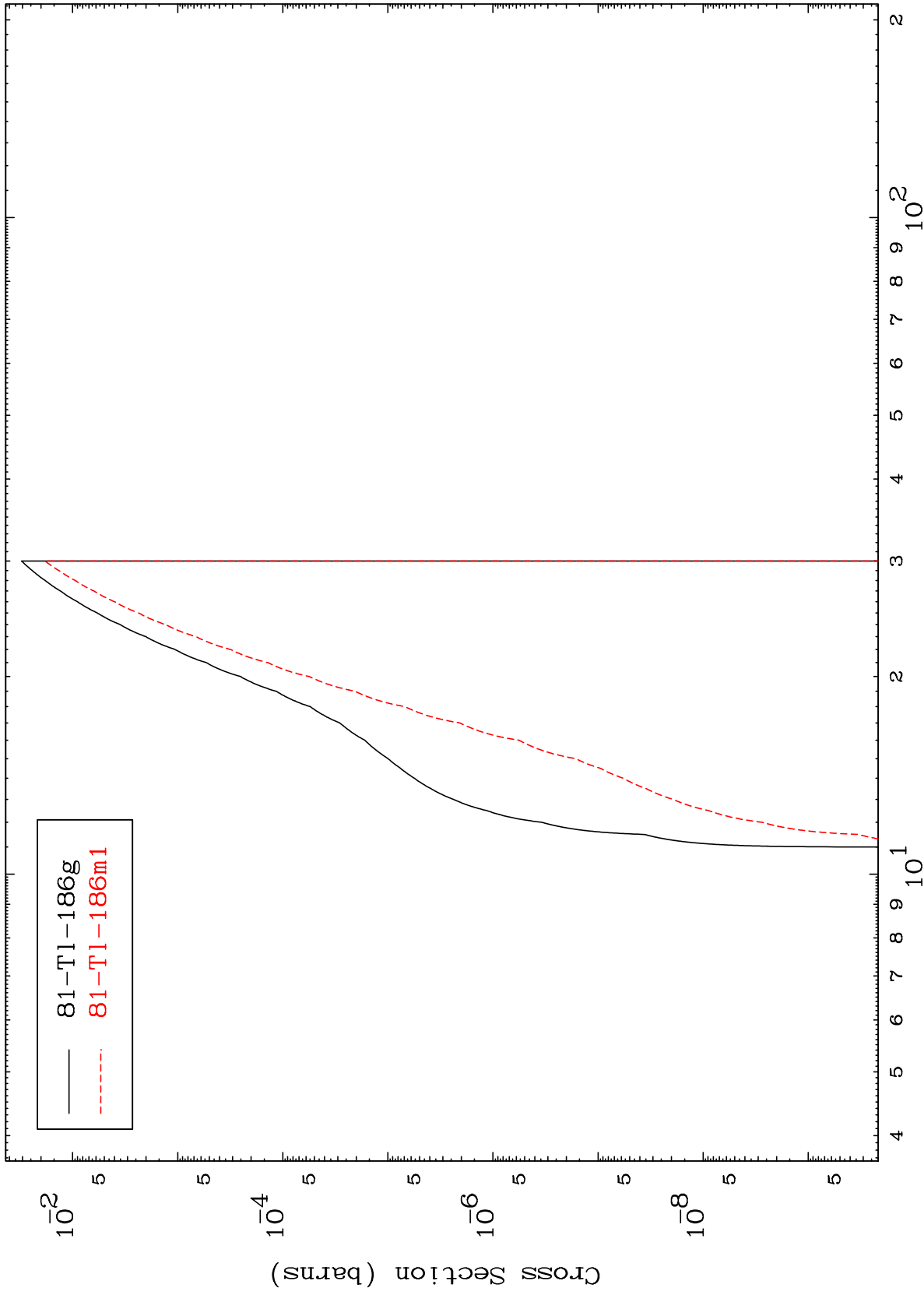
Incident Energy (MeV)

83-Bi-191

MAT 8271

83-Bi-191

(n,2n) α
Radionuclide Production Cross Section



31

Incident Energy (MeV)

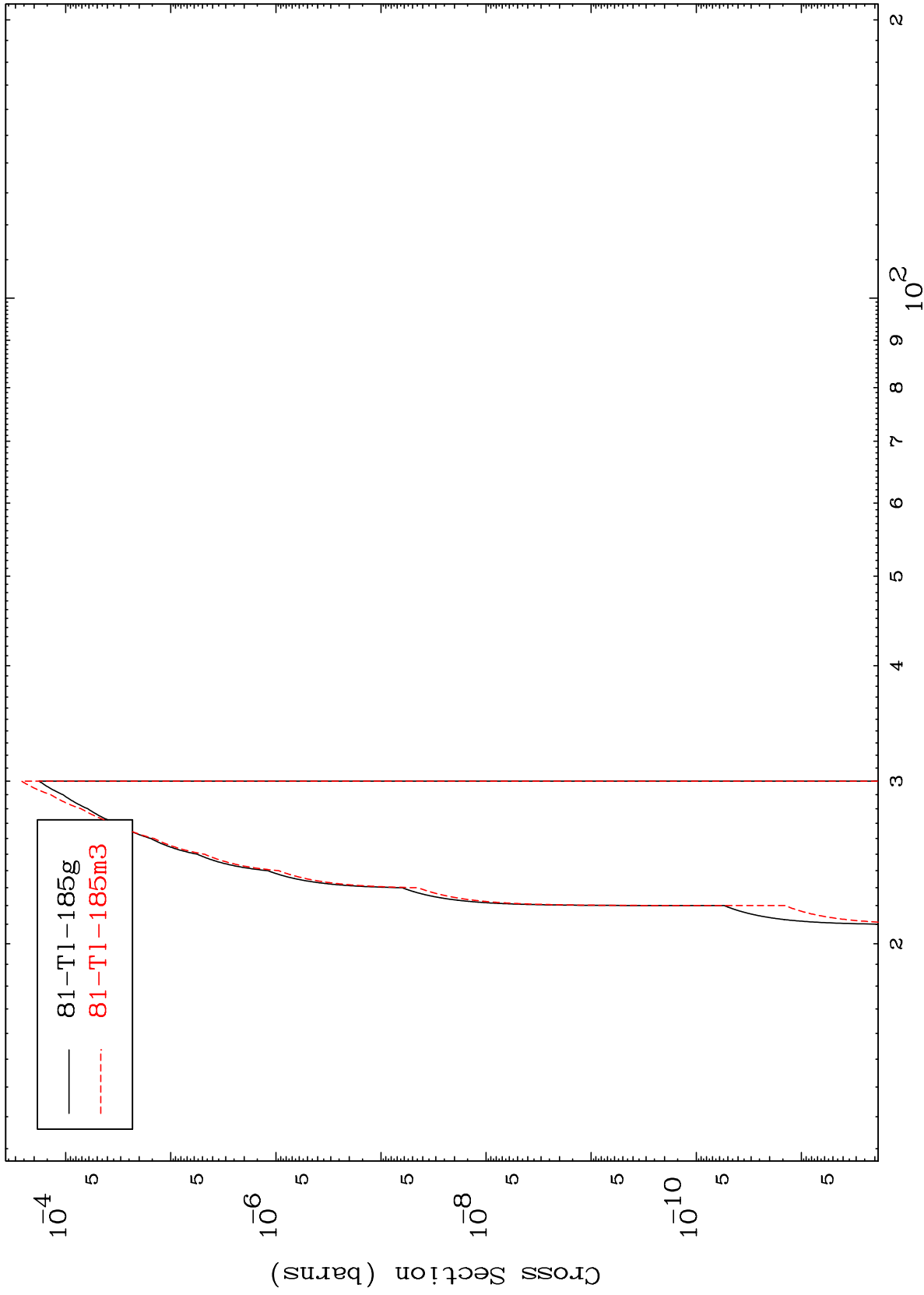
83-Bi-191

MAT 8271

(n,3n) α

83-Bi-191

Radionuclide Production Cross Section



32

Incident Energy (MeV)

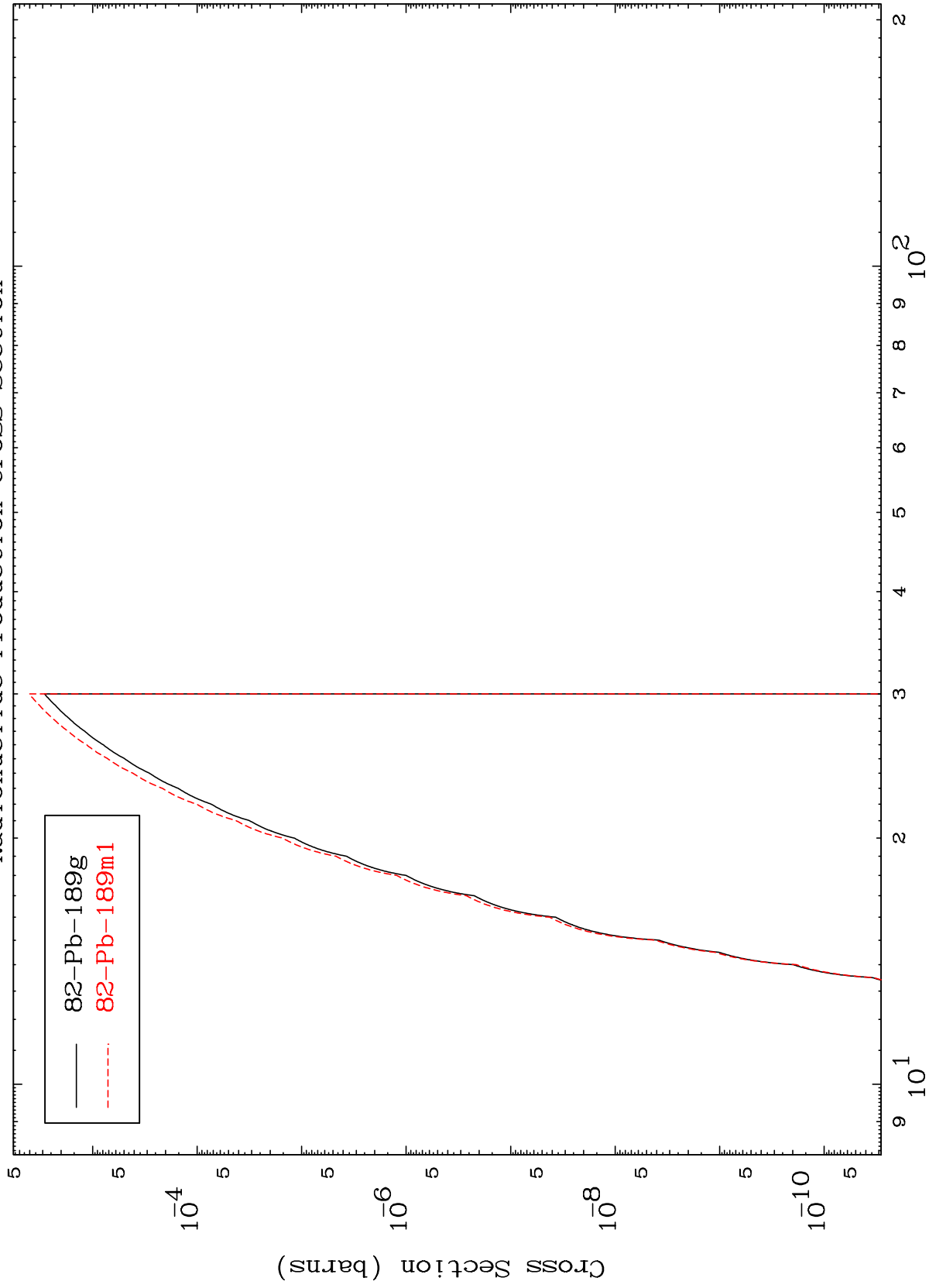
83-Bi-191

MAT 8271

(n,n') d

83-Bi-191

Radionuclide Production Cross Section



33

Incident Energy (MeV)

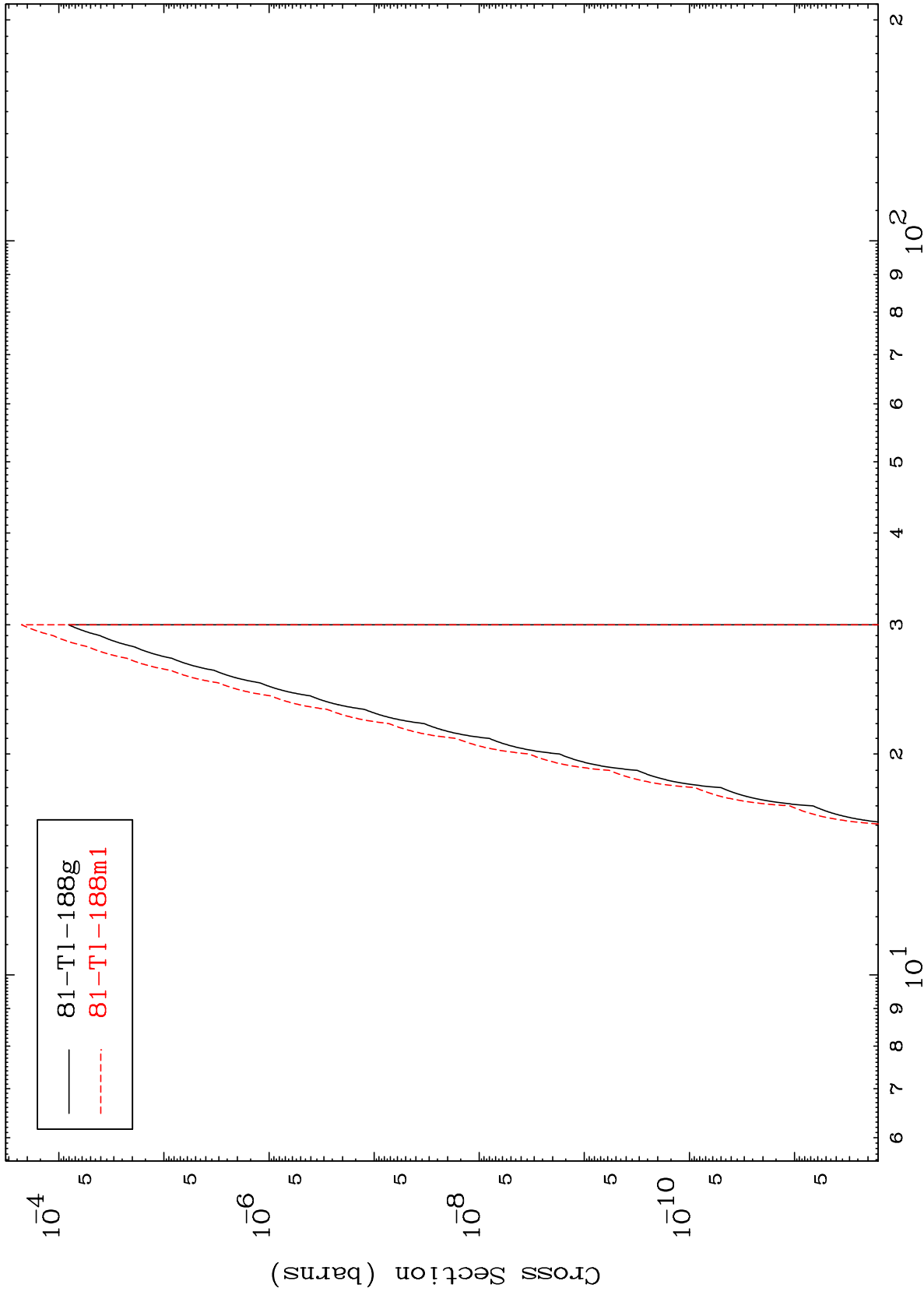
83-Bi-191

MAT 8271

(n, n') He-3

83-Bi-191

Radionuclide Production Cross Section



34

Incident Energy (MeV)

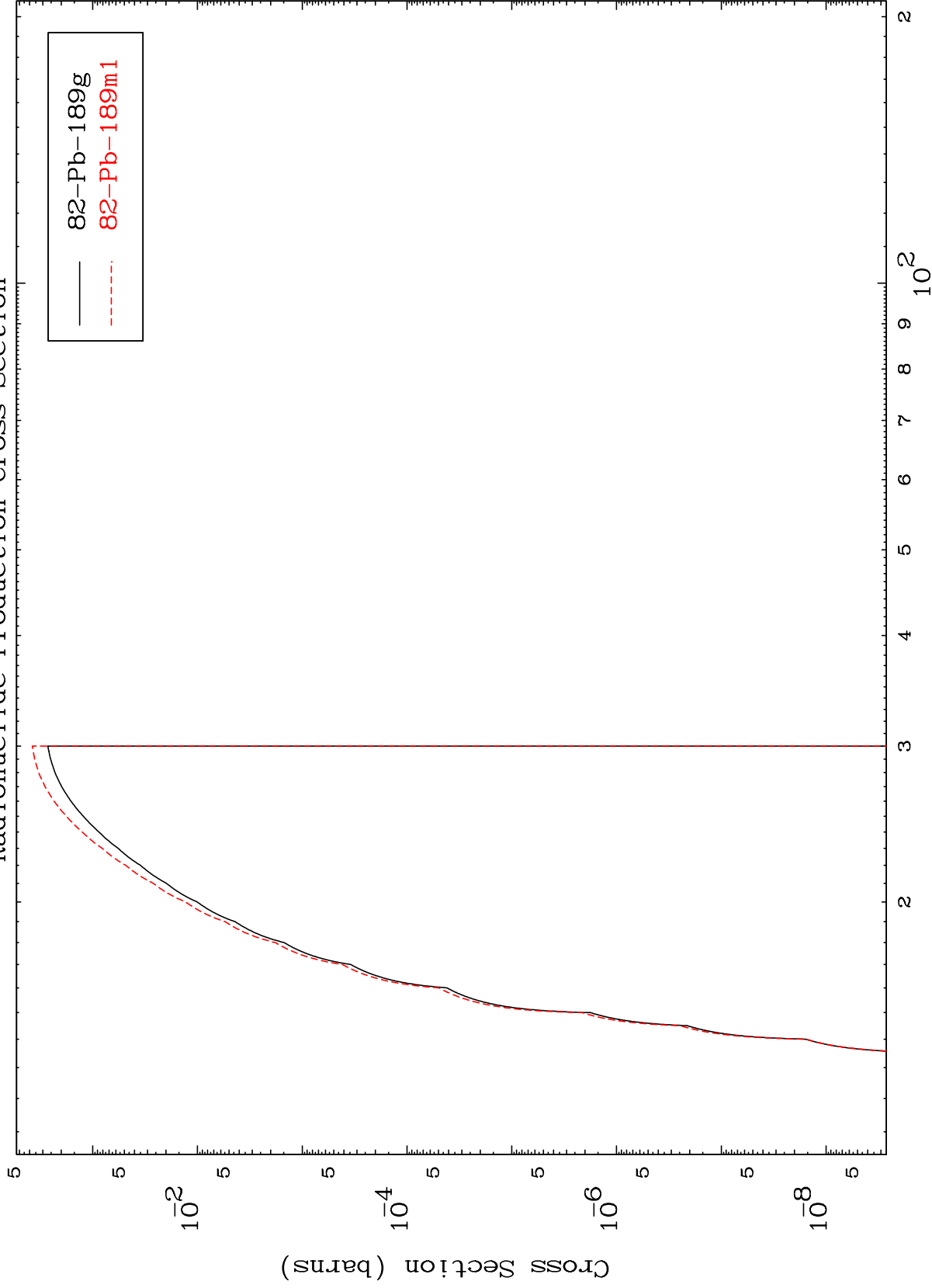
83-Bi-191

MAT 8271

(n,2n) p

83-Bi-191

Radionuclide Production Cross Section



35

Incident Energy (MeV)

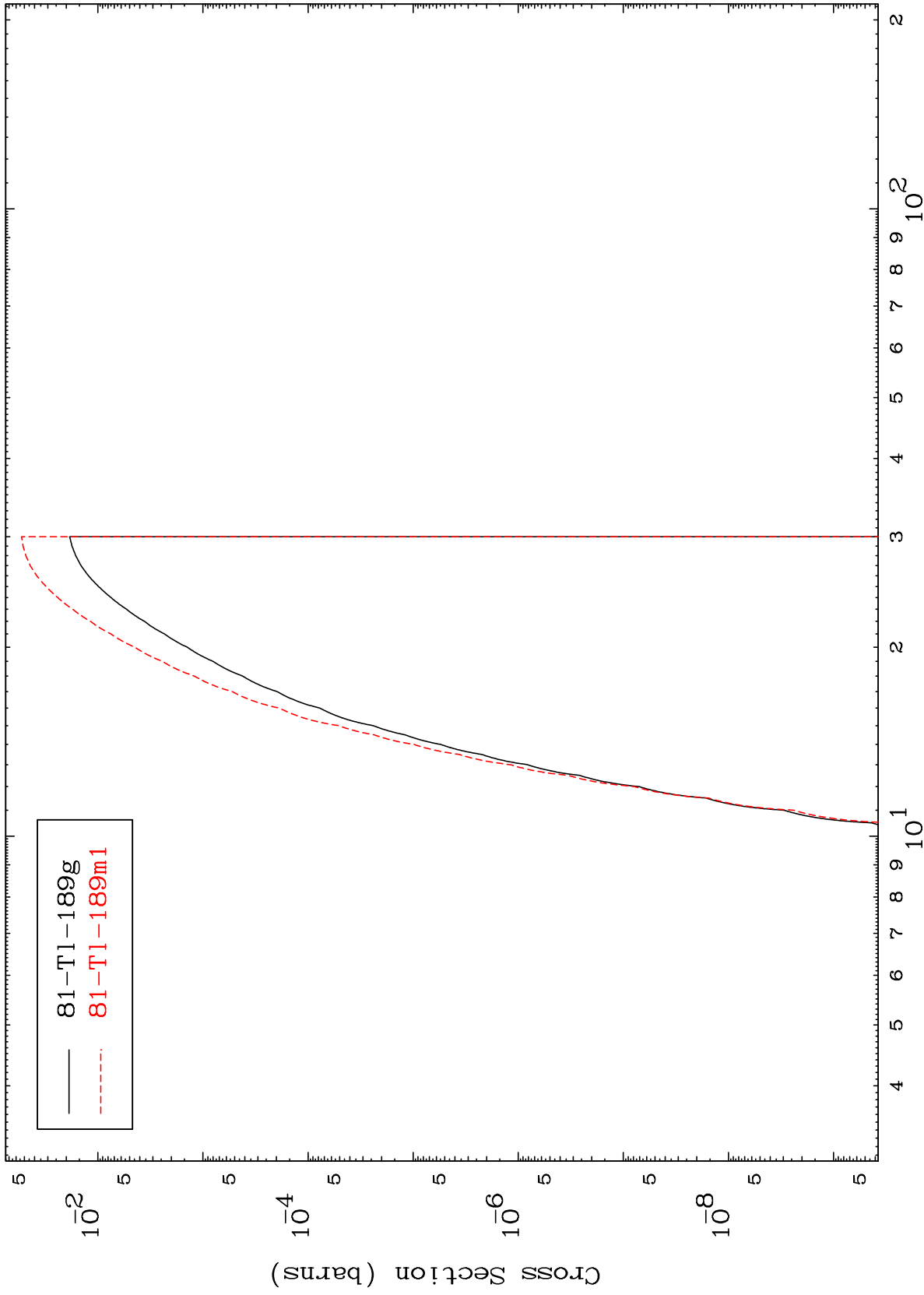
83-Bi-191

MAT 8271

(n,2n) p

83-Bi-191

Radionuclide Production Cross Section



36

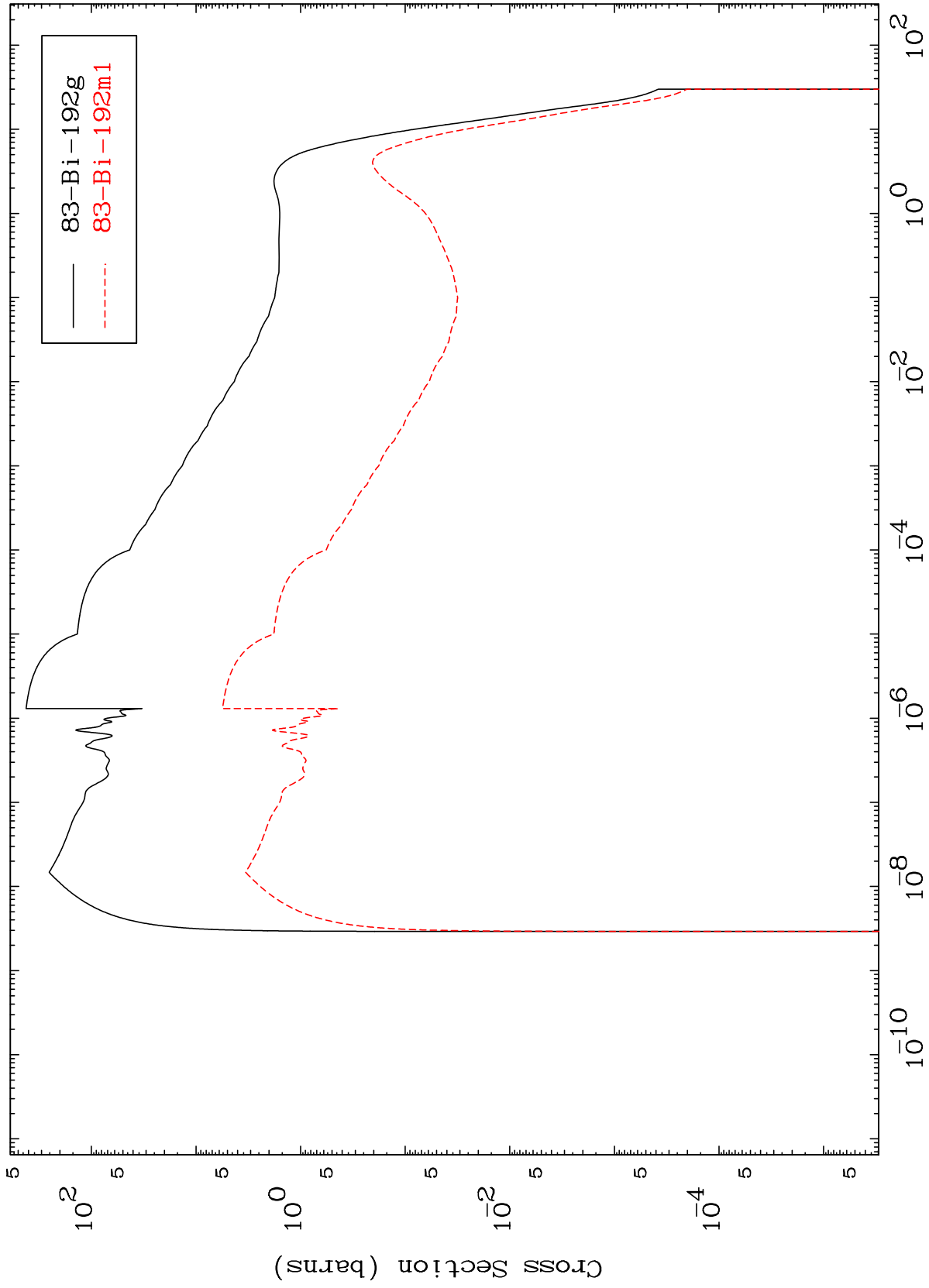
Incident Energy (MeV)

83-Bi-191

MAT 8271

83-Bi-191

(n,γ)
Radionuclide Production Cross Section



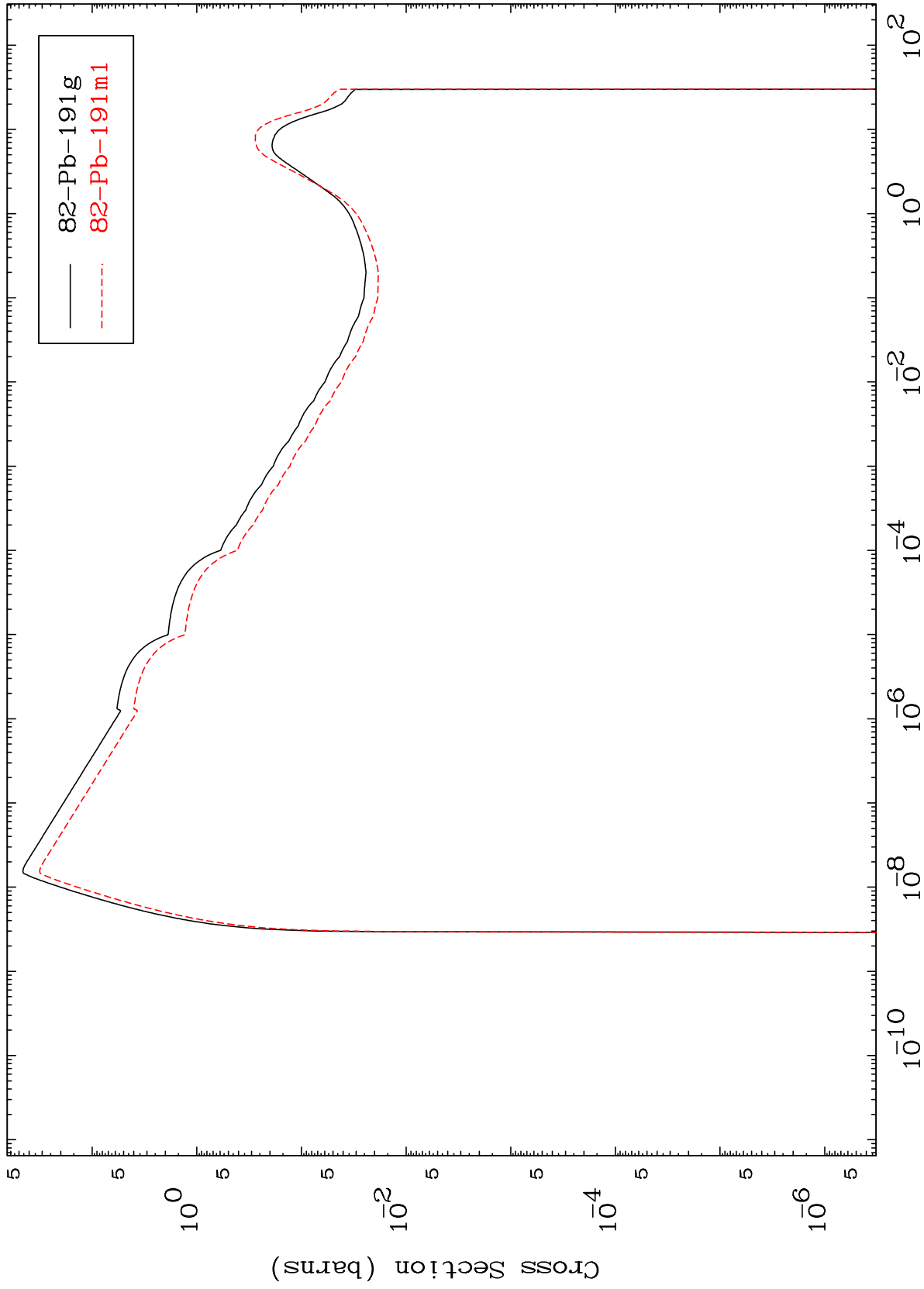
37

83-Bi-191

MAT 8271

83-Bi-191

(n,p)
Radionuclide Production Cross Section



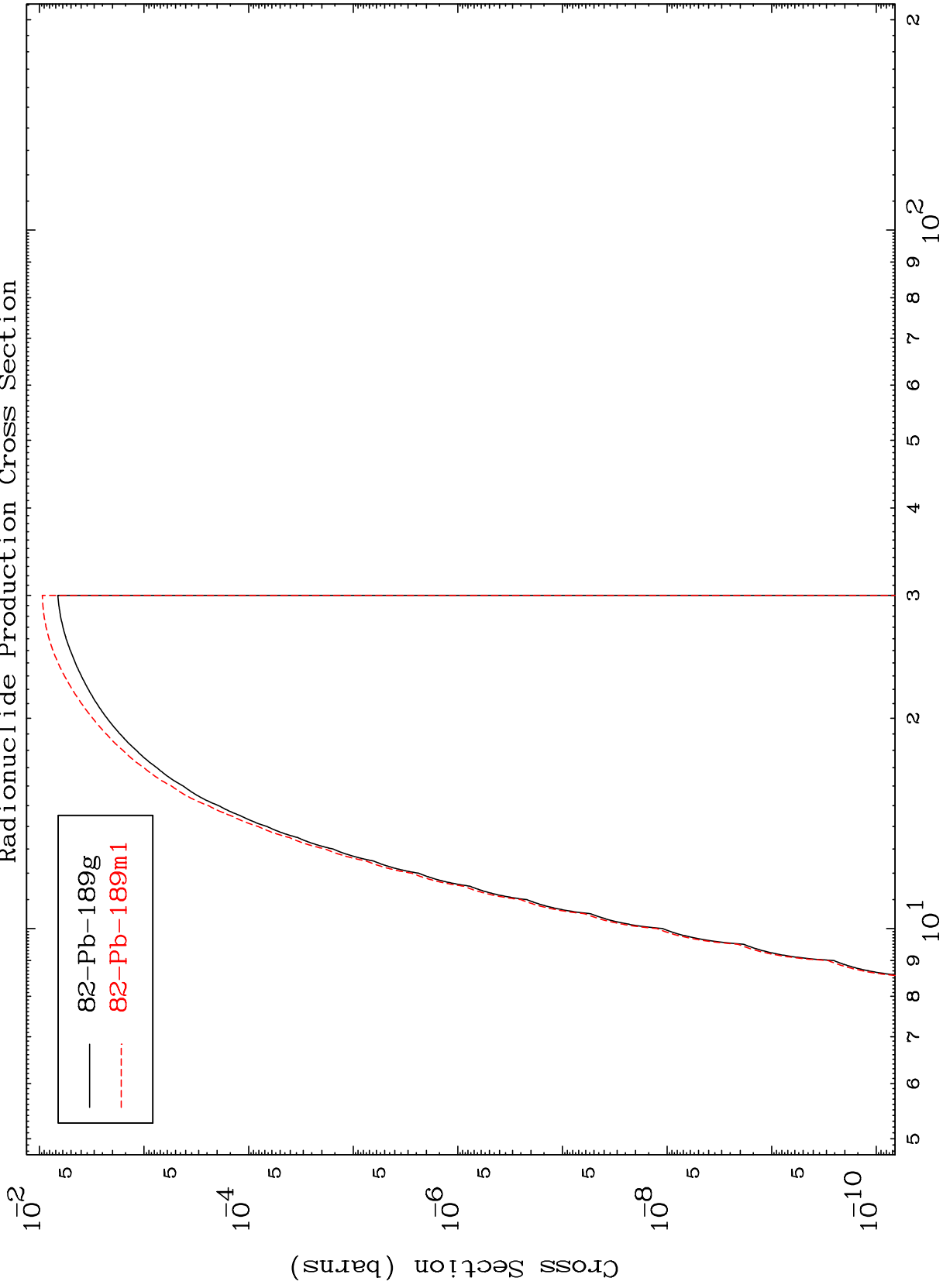
38

83-Bi-191

MAT 8271

83-Bi-191

Radionuclide Production Cross Section (n, t)



39

Incident Energy (MeV)

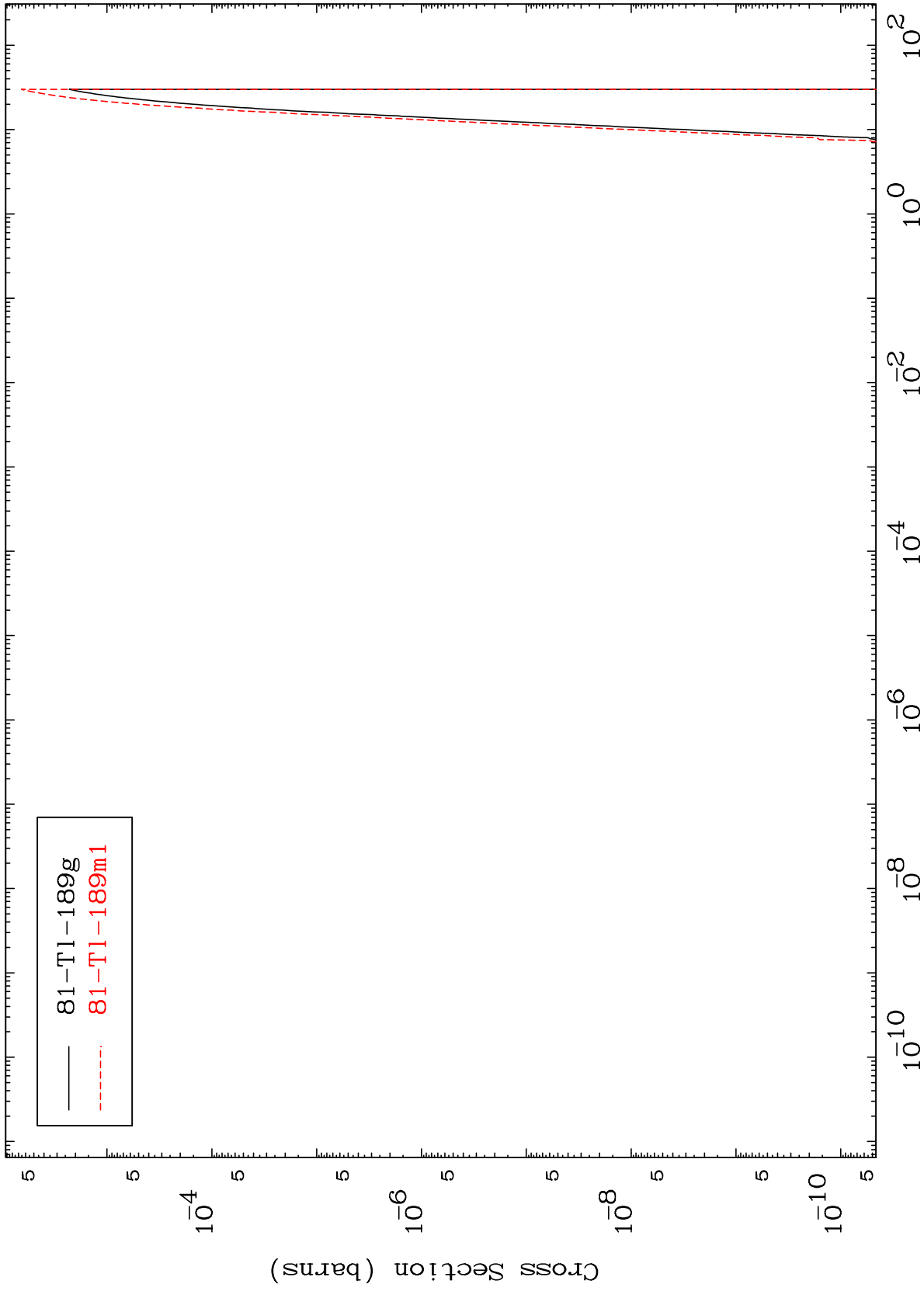
83-Bi-191

MAT 8271

(n,He-3)

83-Bi-191

Radionuclide Production Cross Section



40

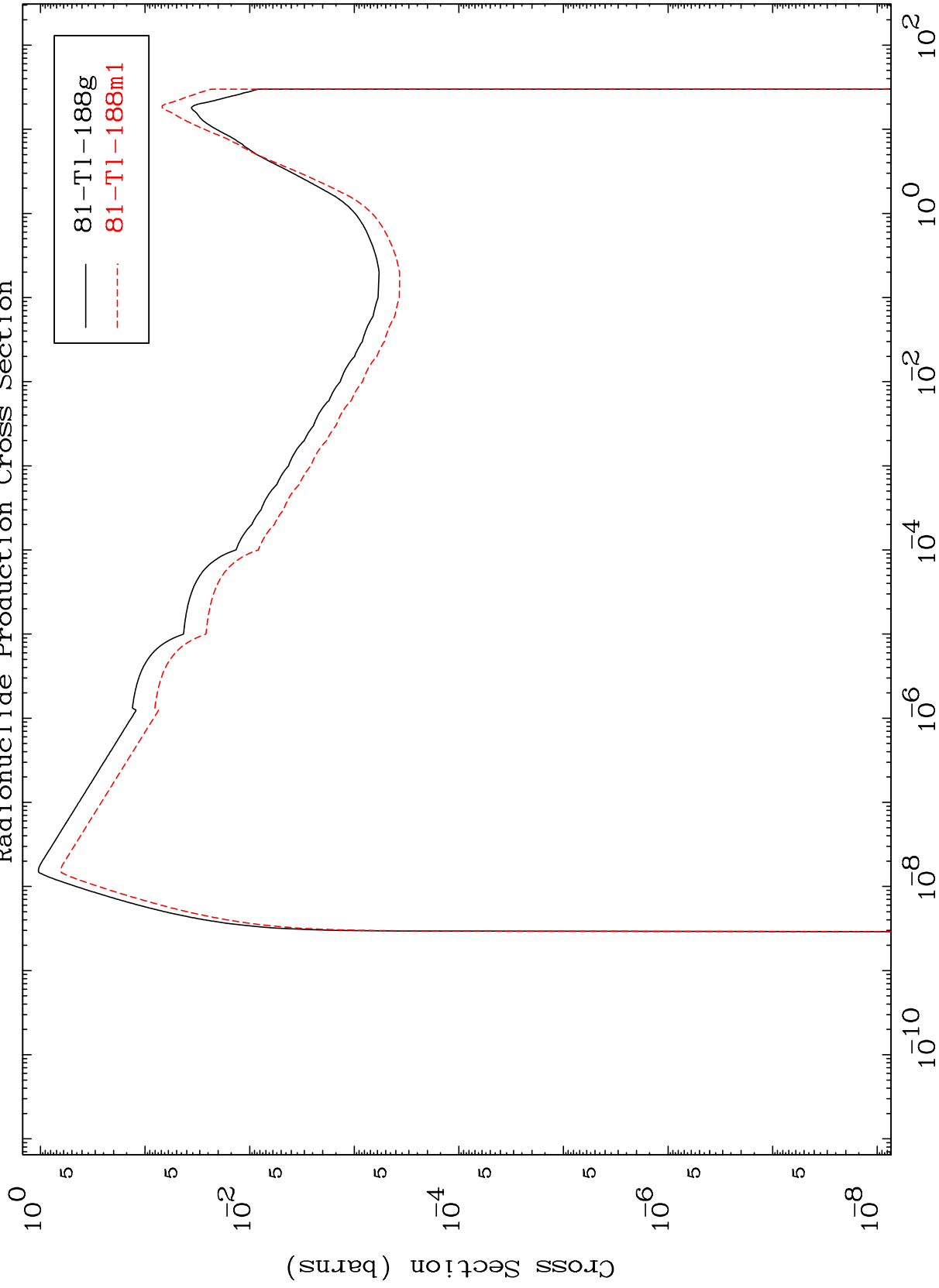
Incident Energy (MeV)

83-Bi-191

MAT 8271

83-Bi-191

(n,α)
Radionuclide Production Cross Section



41

Incident Energy (MeV)

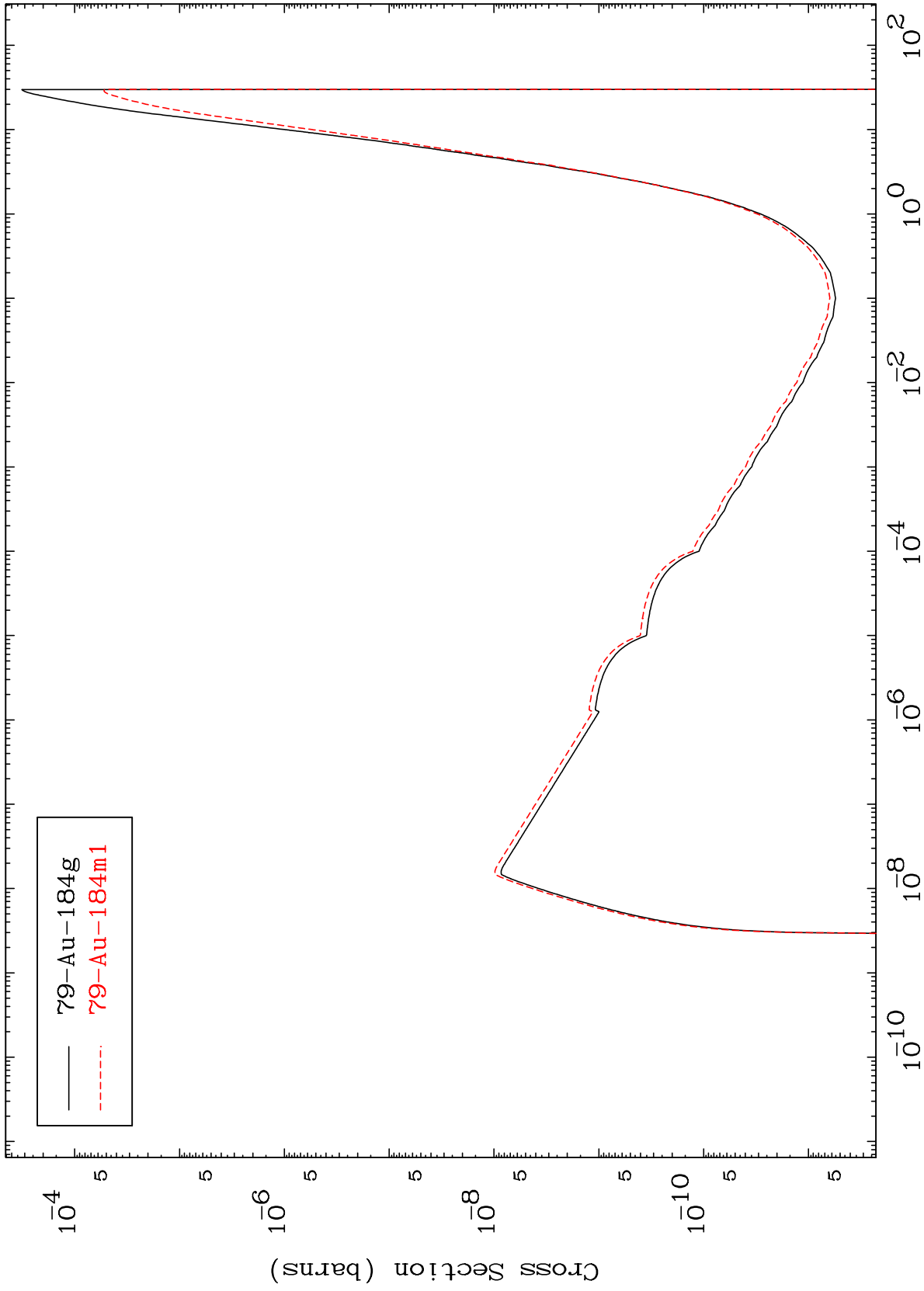
83-Bi-191

MAT 8271

(n,2α)

83-Bi-191

Radionuclide Production Cross Section



42

Incident Energy (MeV)

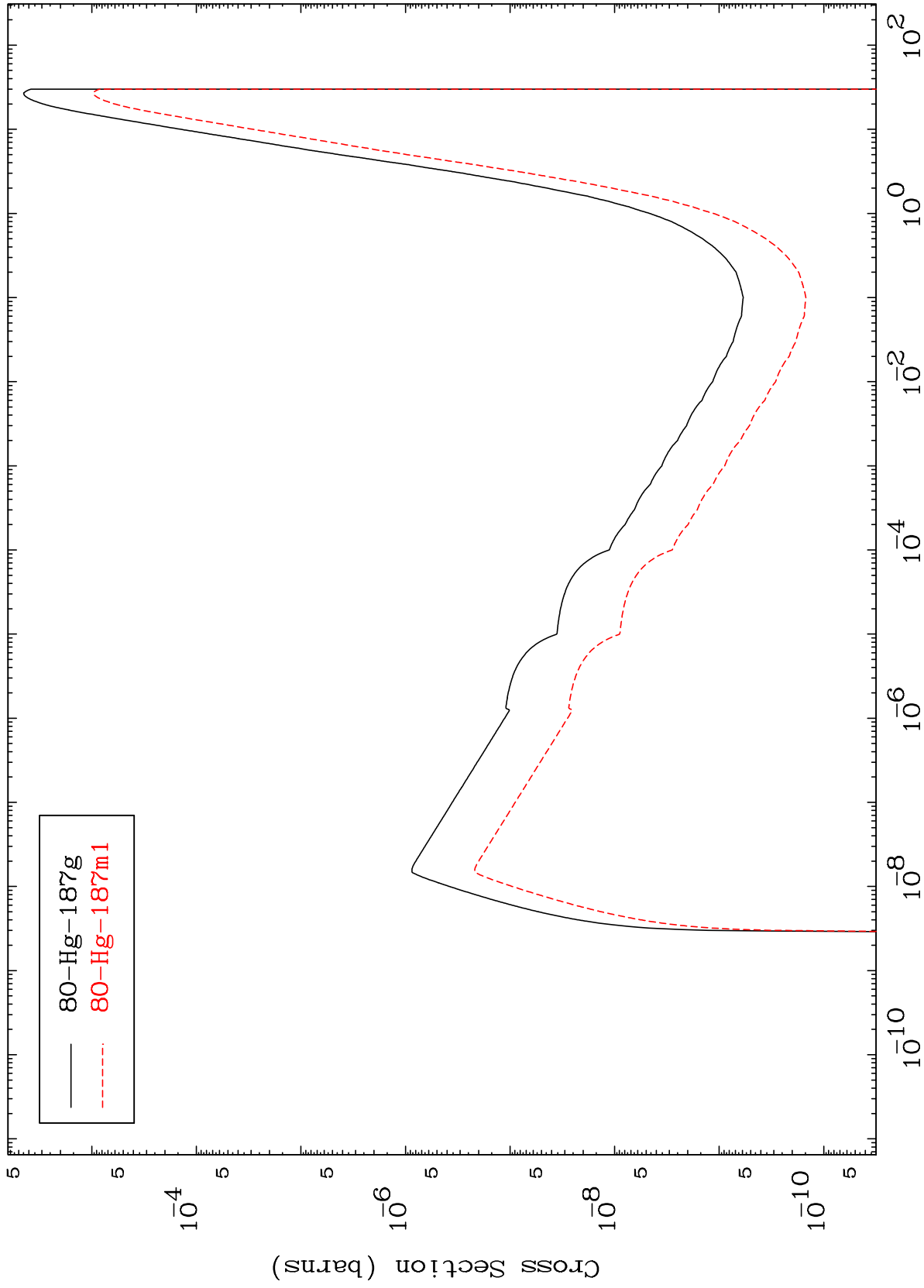
83-Bi-191

MAT 8271

(n,p) α

83-Bi-191

Radionuclide Production Cross Section



43

Incident Energy (MeV)

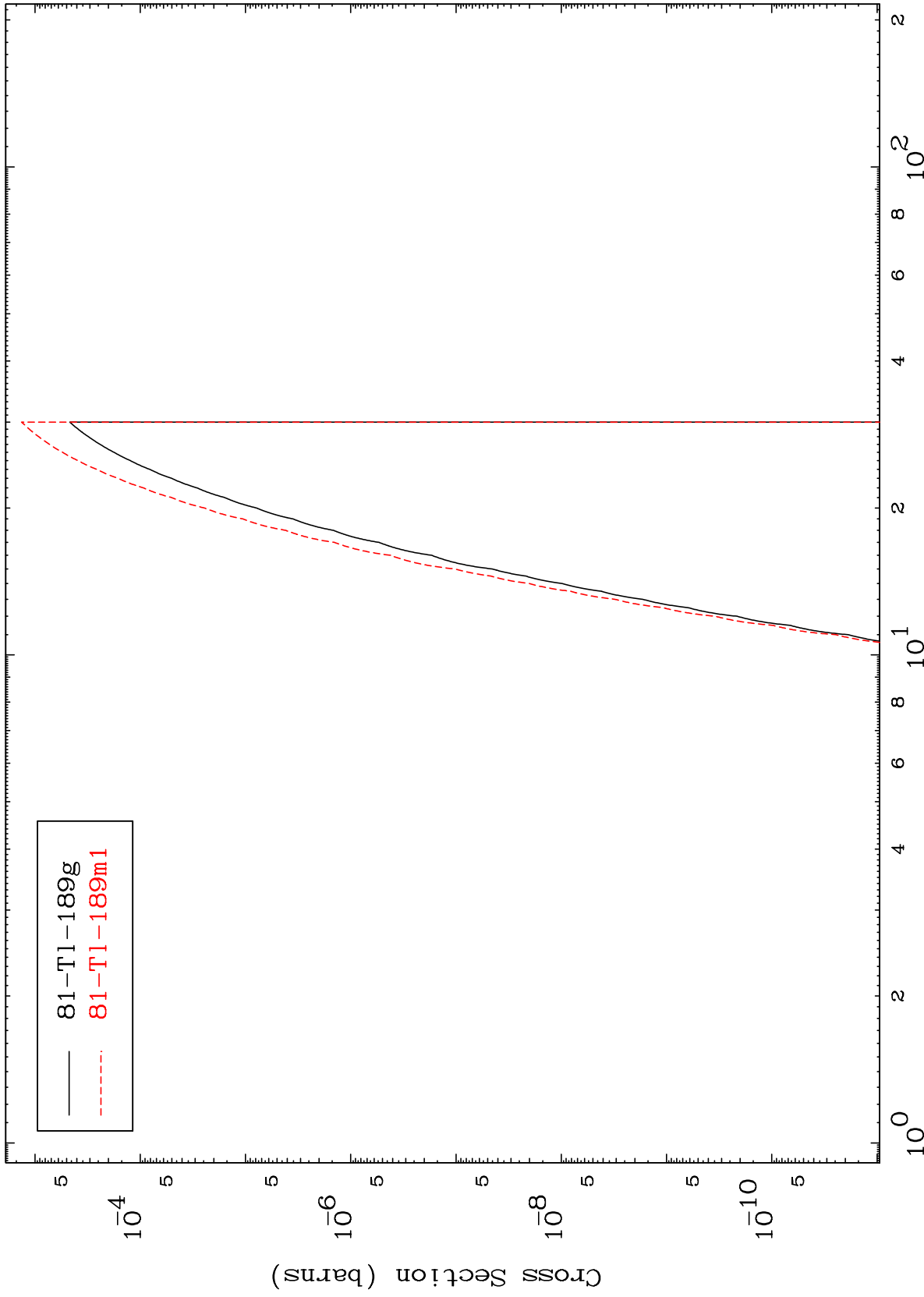
83-Bi-191

MAT 8271

(n,p) d

83-Bi-191

Radionuclide Production Cross Section



44

Incident Energy (MeV)

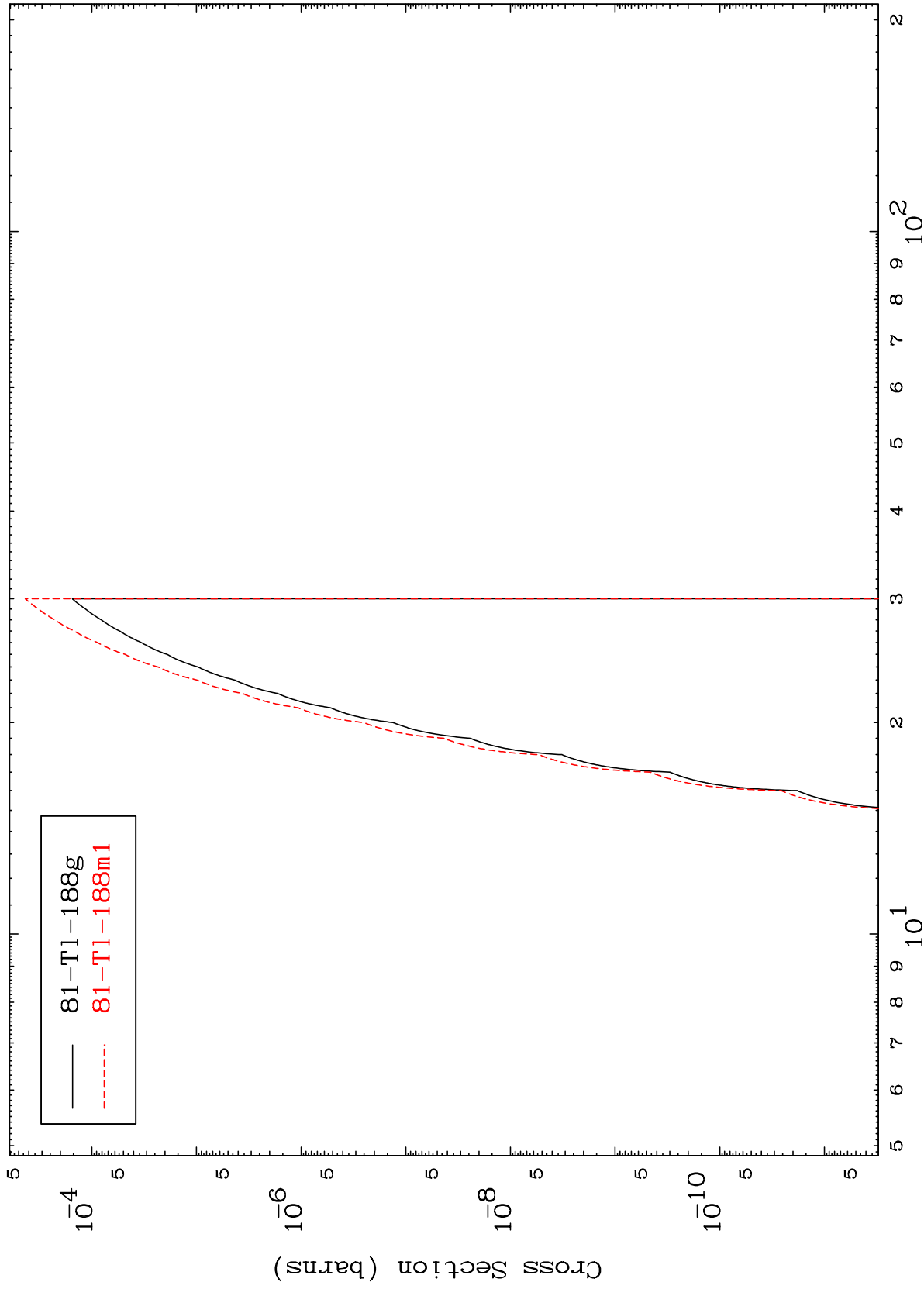
83-Bi-191

MAT 8271

(n,p) t

83-Bi-191

Radionuclide Production Cross Section



81-Tl-188g
81-Tl-188m1

45

Incident Energy (MeV)

83-Bi-191