

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

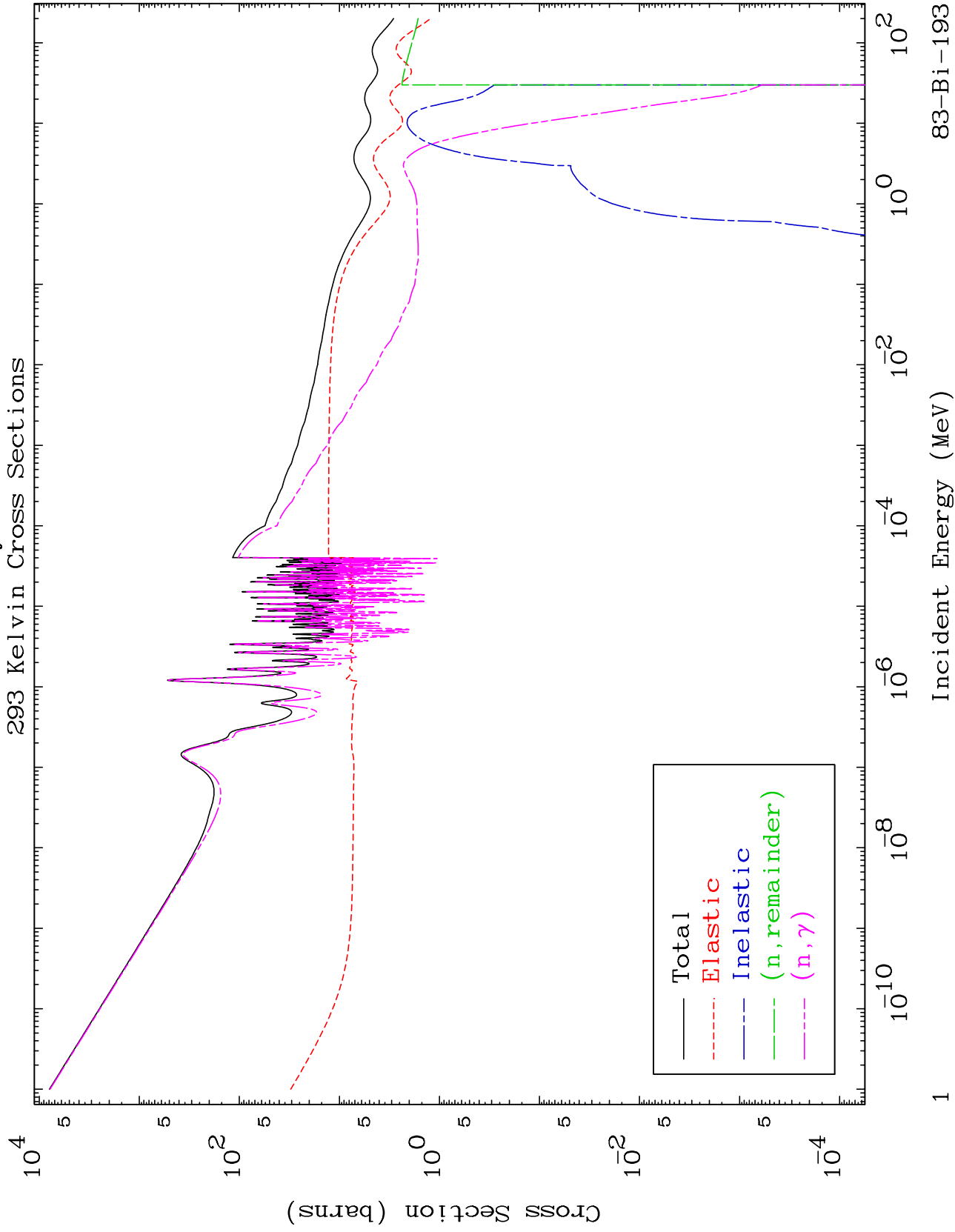
Press Mouse Button to Start

MAT 8277

Major

293 Kelvin Cross Sections

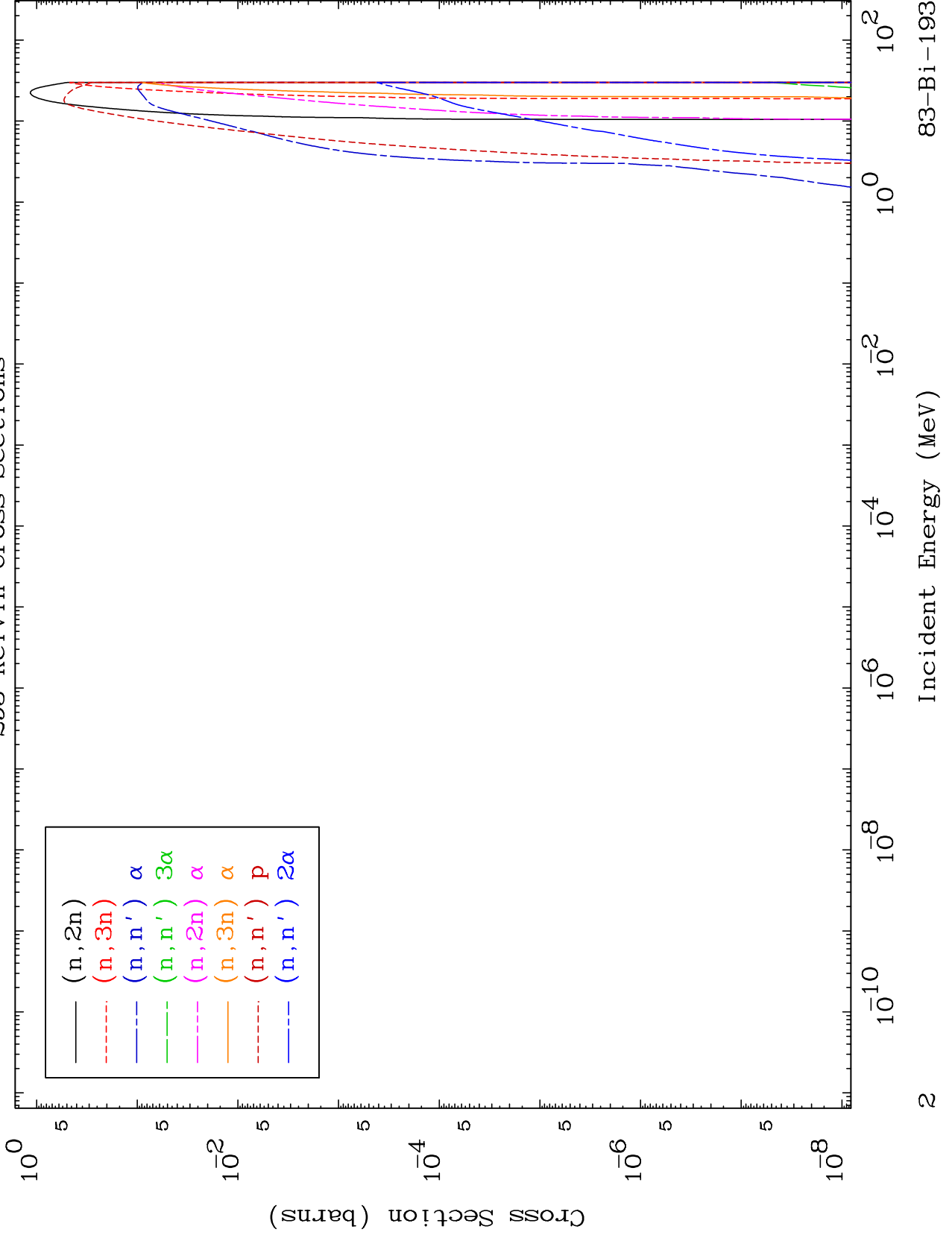
83-Bi-193



MAT 8277

Neutron Production
293 Kelvin Cross Sections

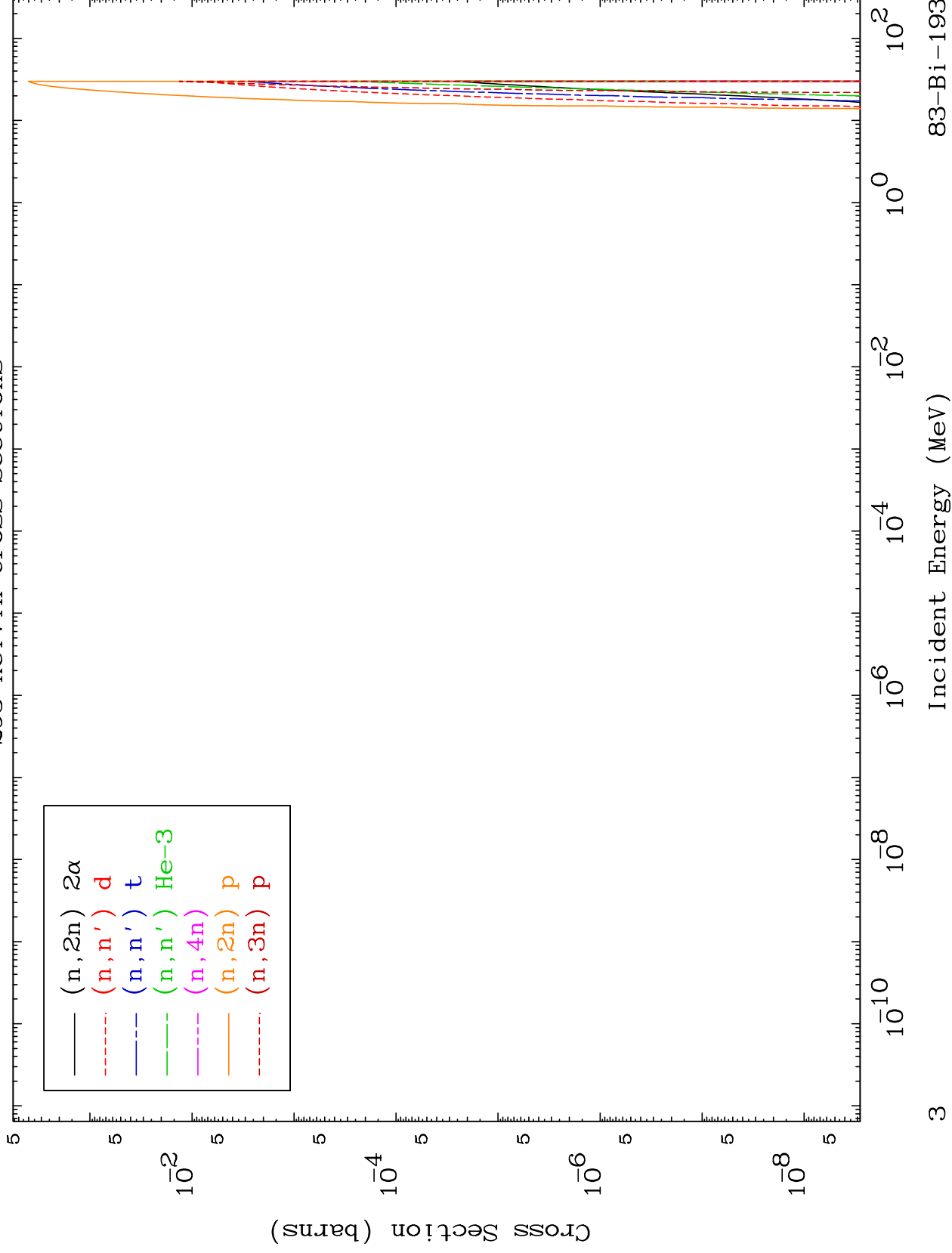
83-Bi-193



MAT 8277

Neutron Production
293 Kelvin Cross Sections

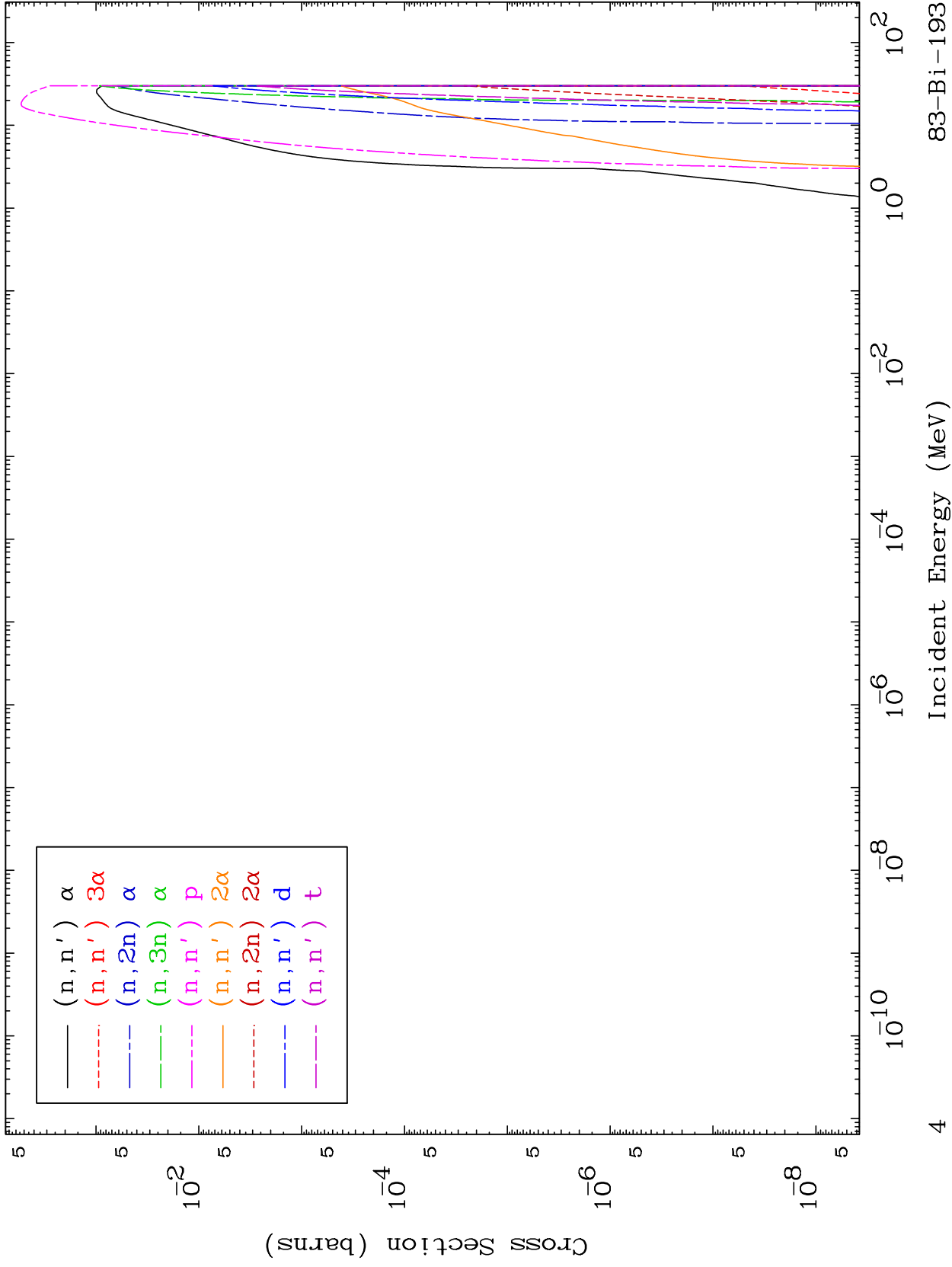
83-Bi-193



MAT 8277

Charged Particle
293 Kelvin Cross Sections

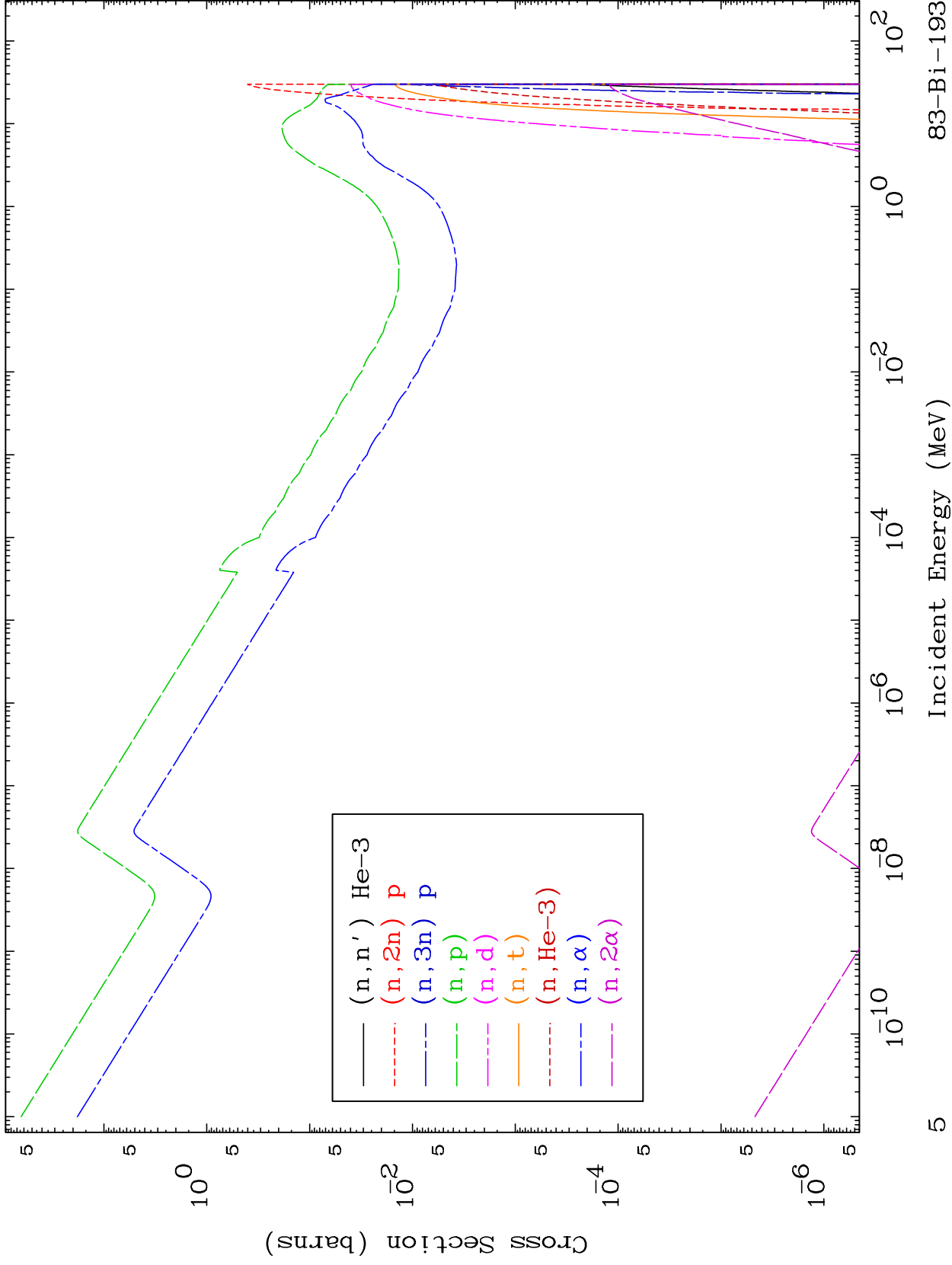
83-Bi-193



MAT 8277

Charged Particle
293 Kelvin Cross Sections

83-Bi-193



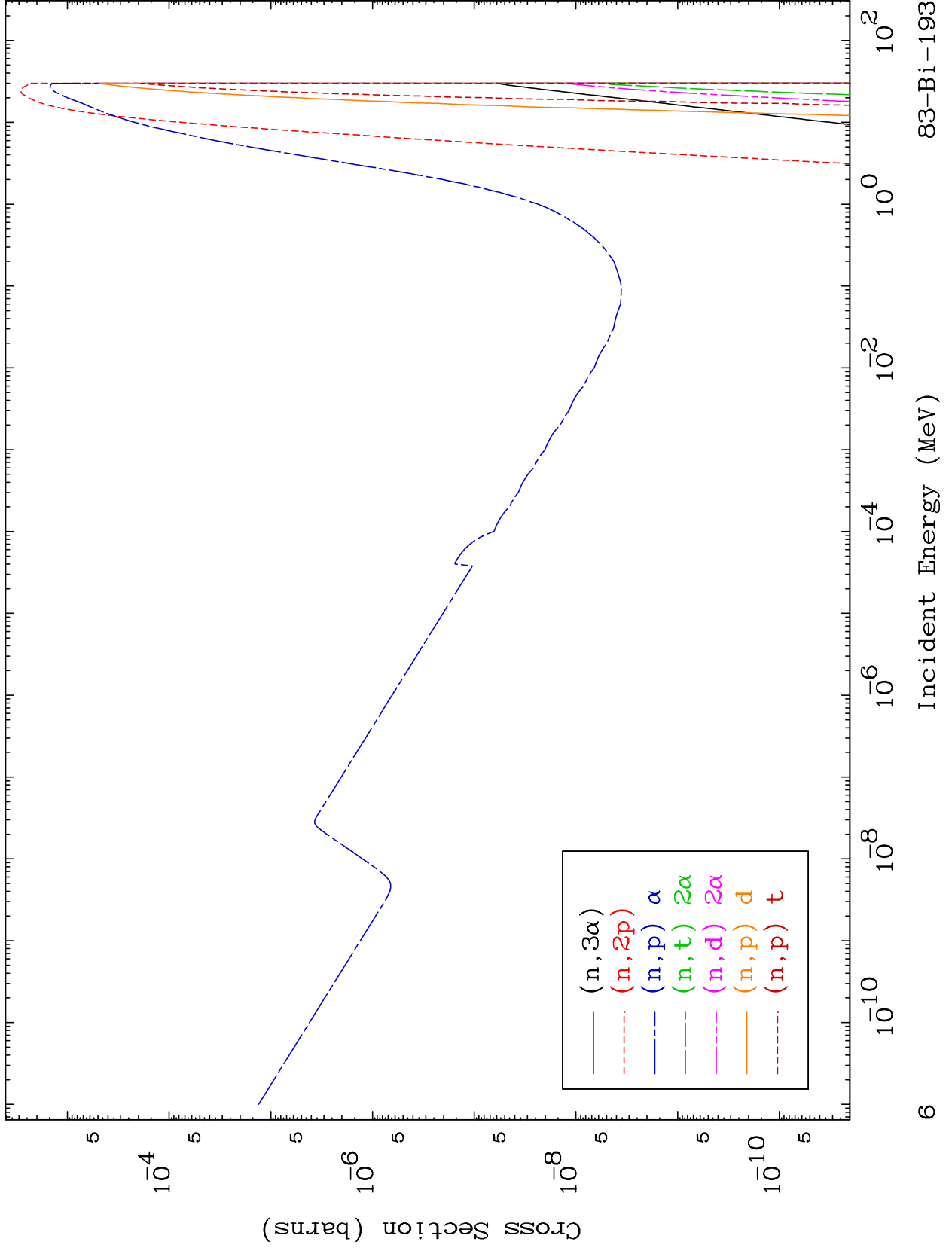
5

83-Bi-193

MAT 8277

Charged Particle
293 Kelvin Cross Sections

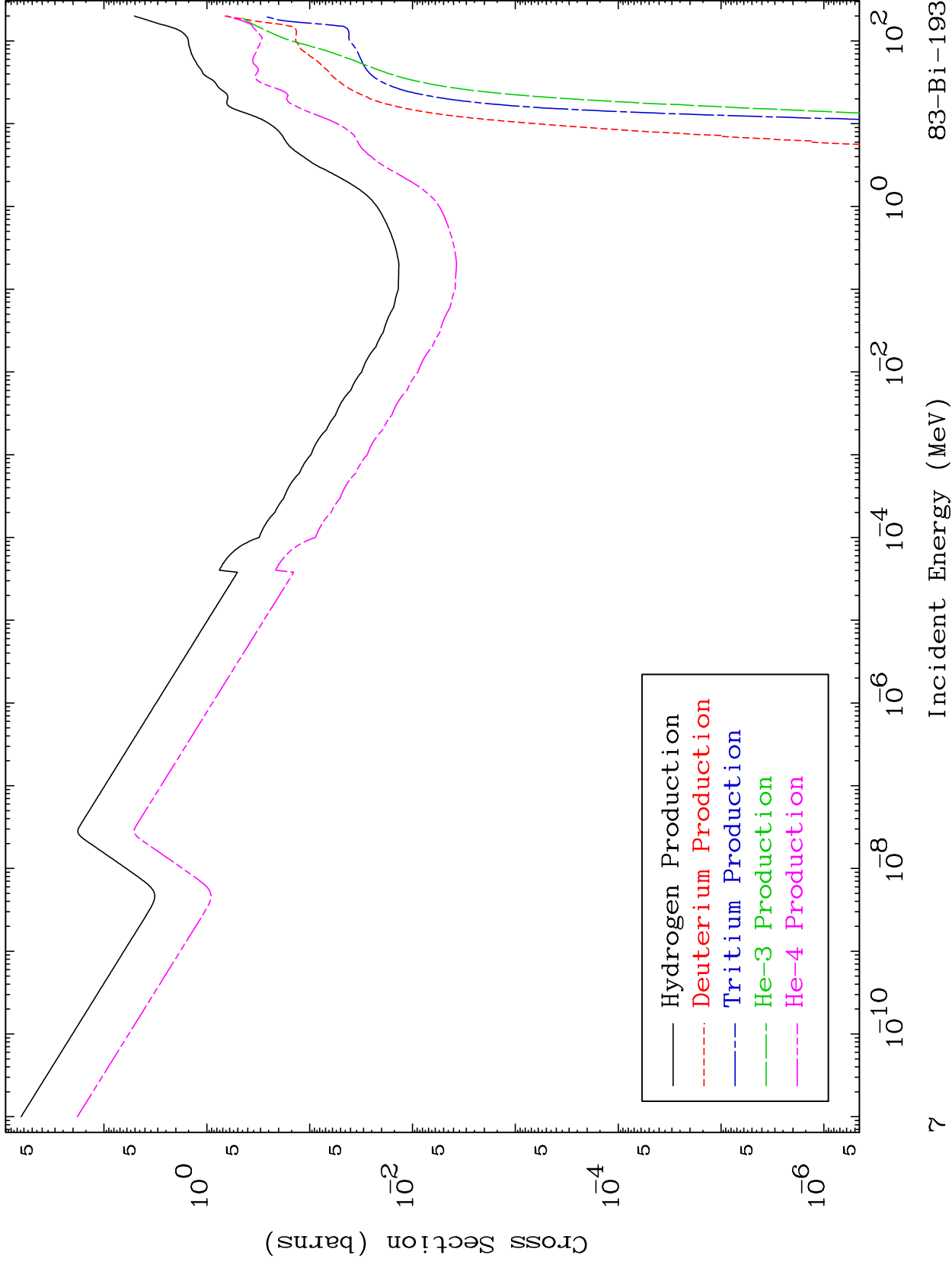
83-Bi-193



MAT 8277

Particle Production
293 Kelvin Cross Sections

83-Bi-193

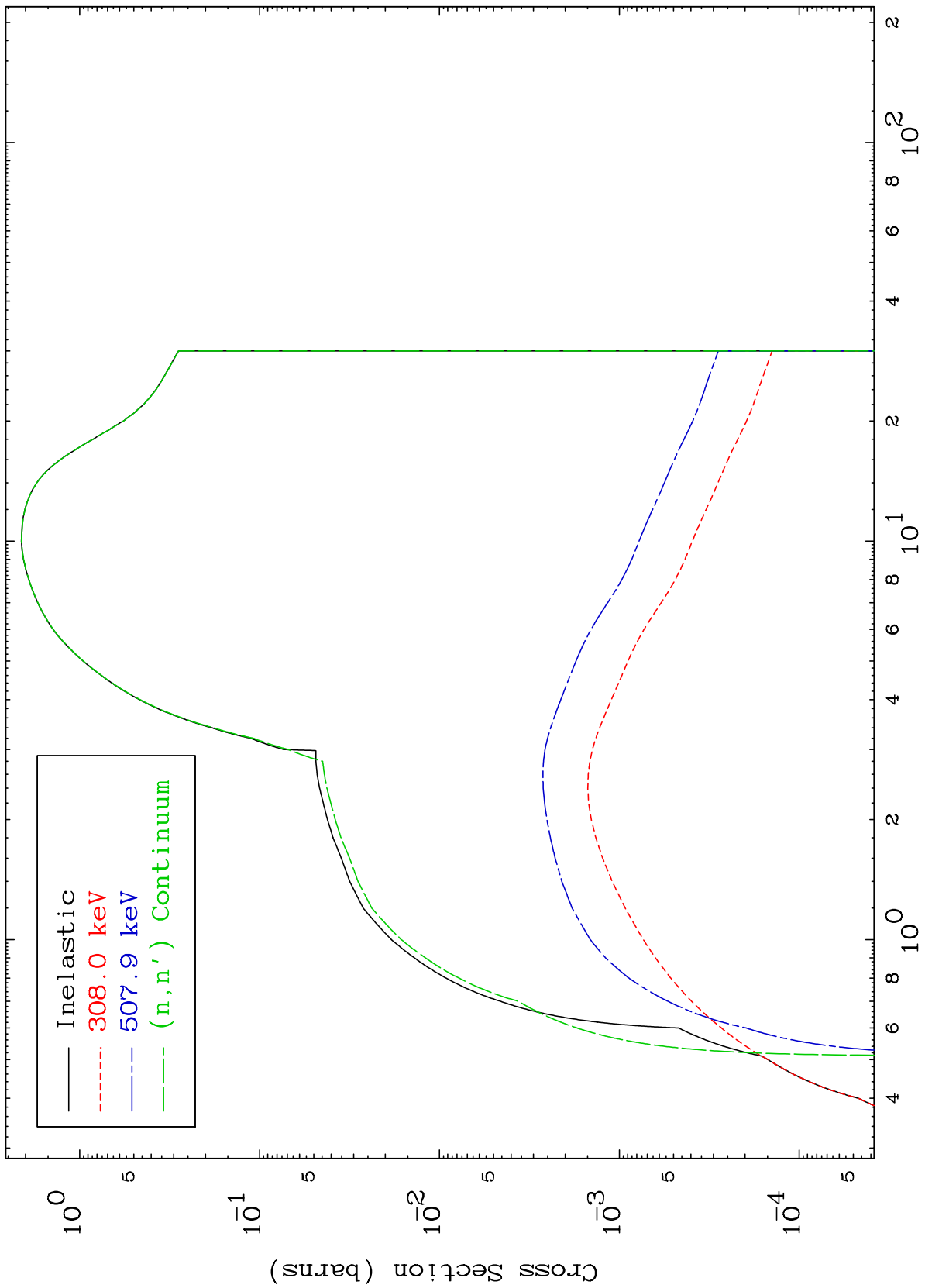


MAT 8277

293 Kelvin Cross Sections

(n,n') Level

83-Bi-193



8

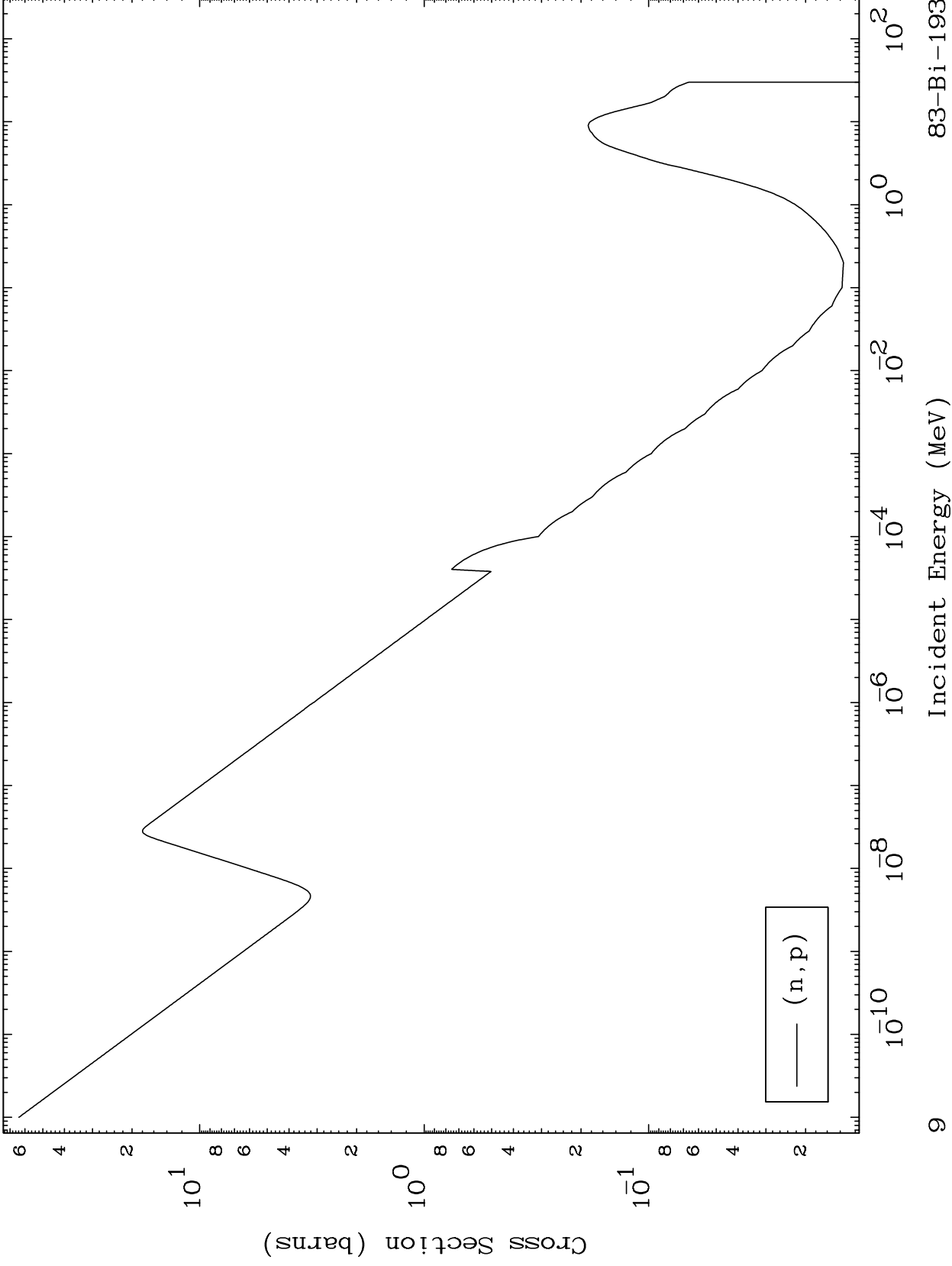
Incident Energy (MeV)

83-Bi-193

MAT 8277

(n,p) Levels
293 Kelvin Cross Sections

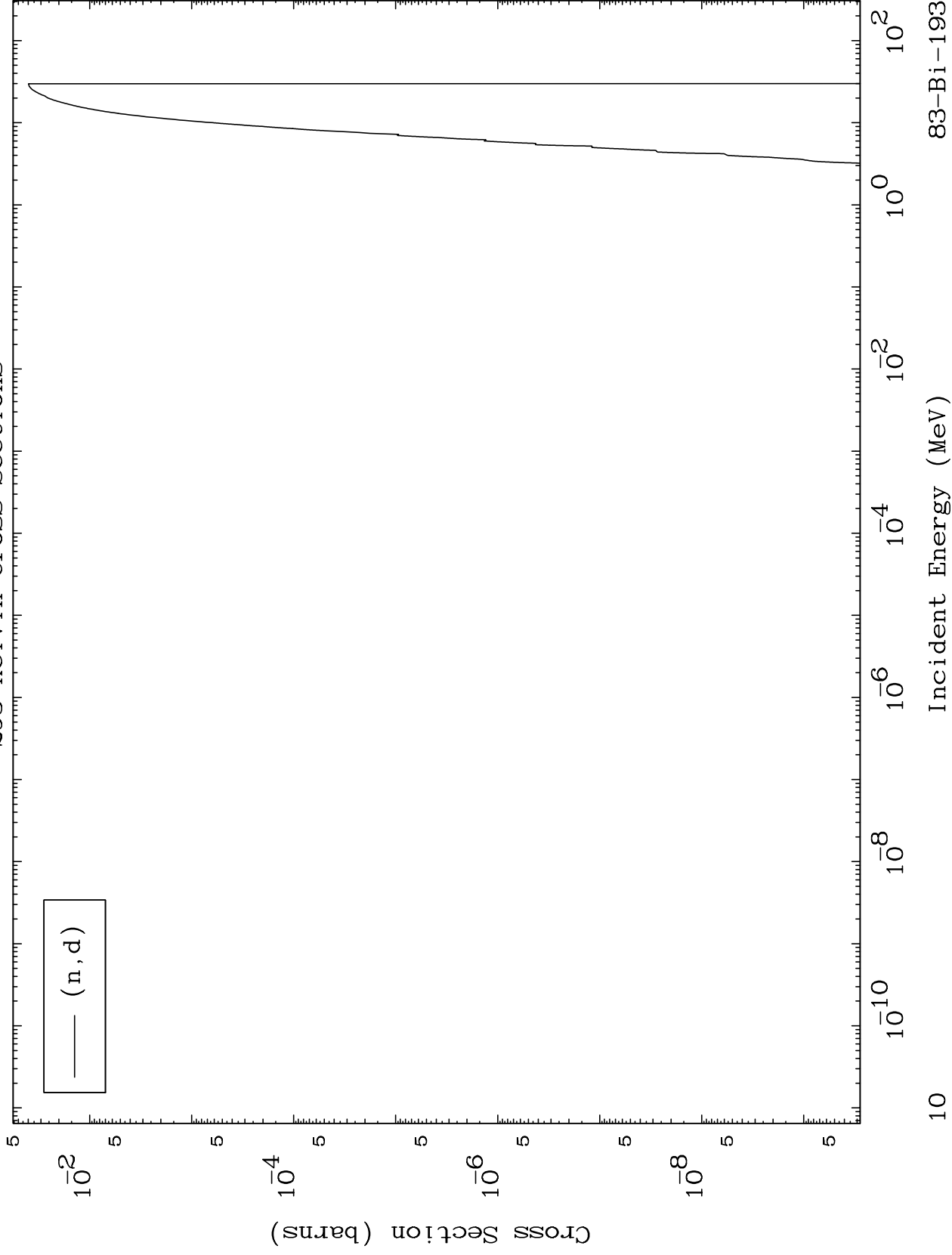
83-Bi-193



MAT 8277

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-193



10

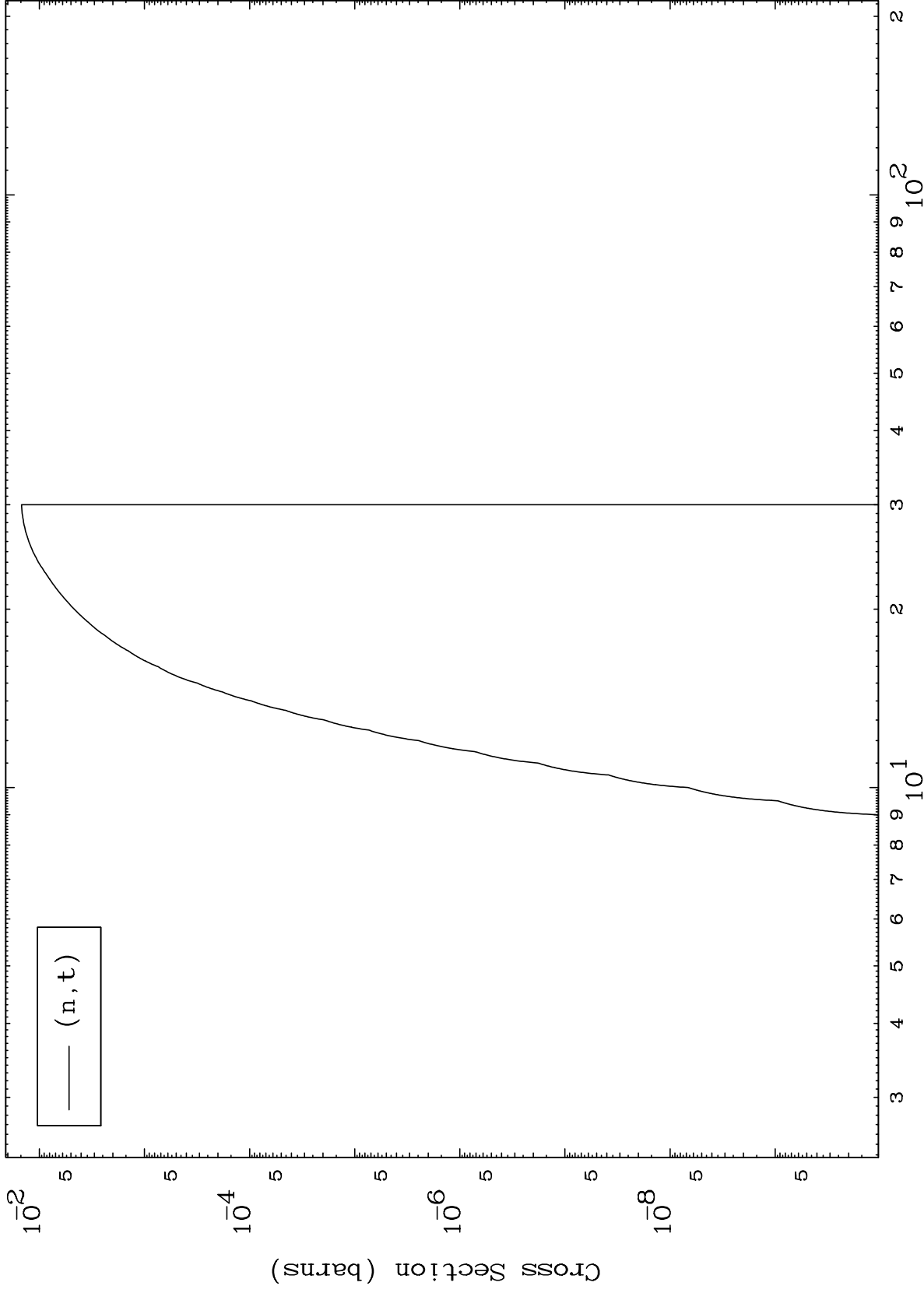
Incident Energy (MeV)

83-Bi-193

MAT 8277

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-193



11

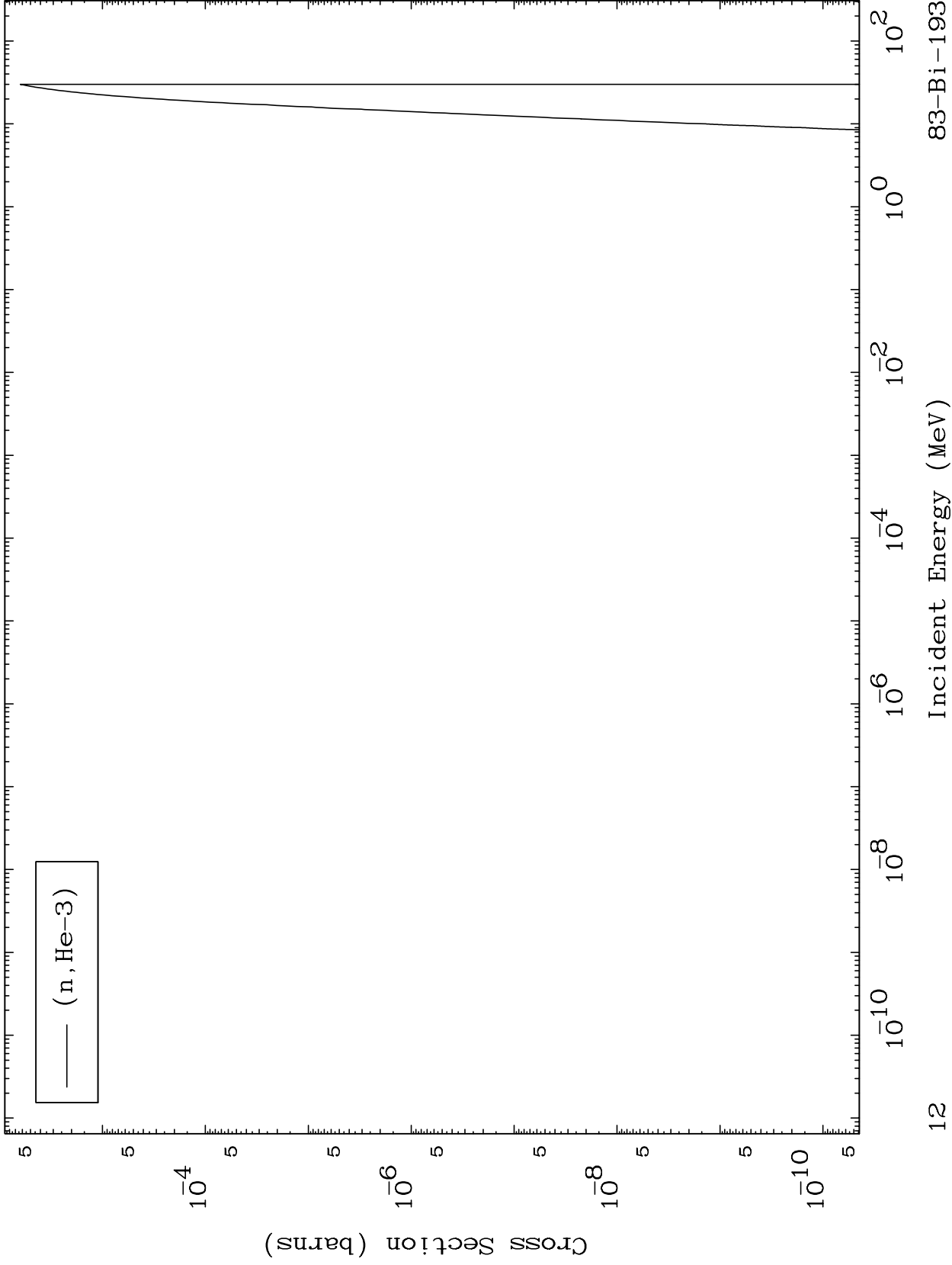
Incident Energy (MeV)

83-Bi-193

MAT 8277

(n,He3) Levels
293 Kelvin Cross Sections

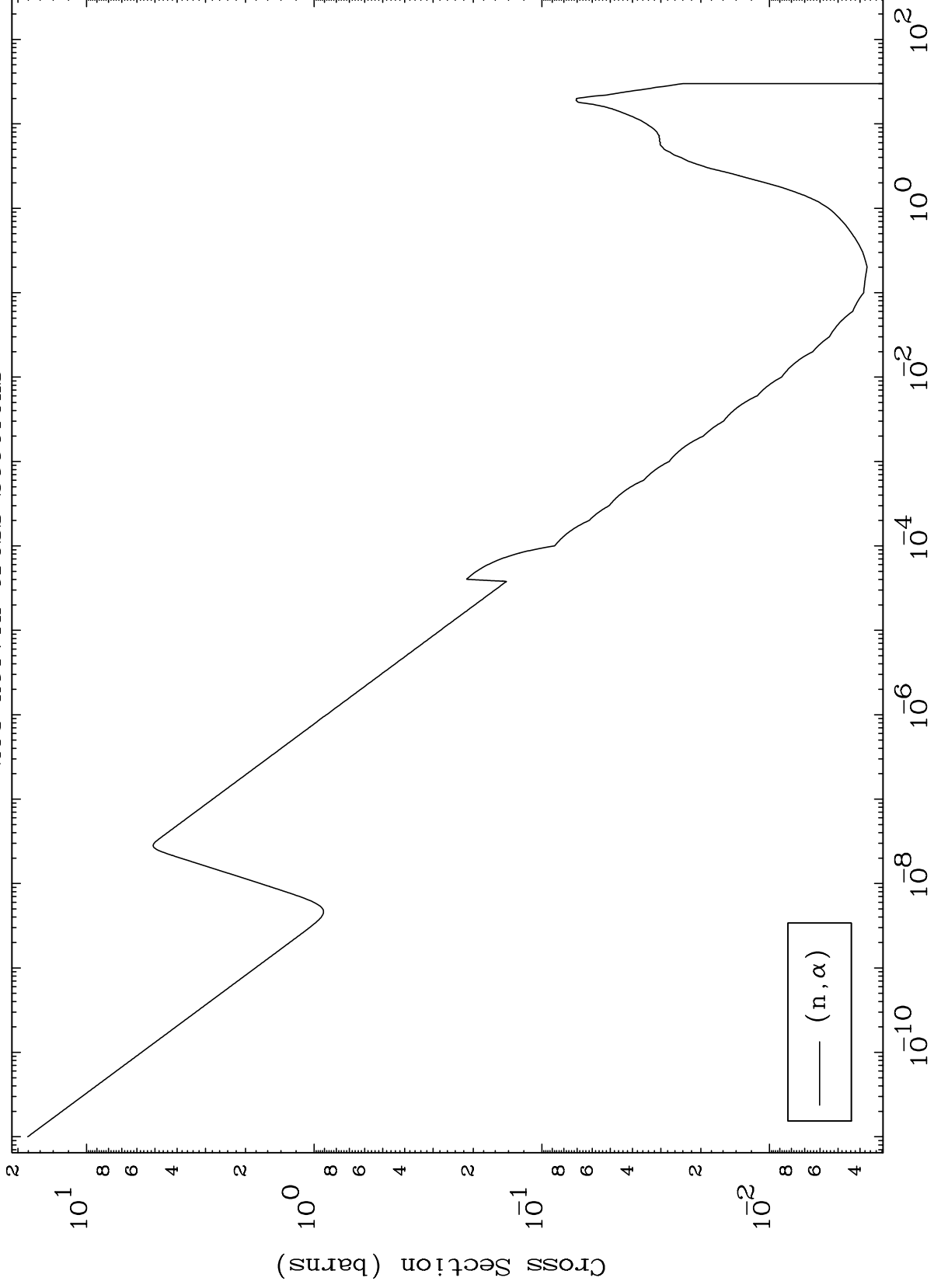
83-Bi-193



MAT 8277

(n,α) Levels
293 Kelvin Cross Sections

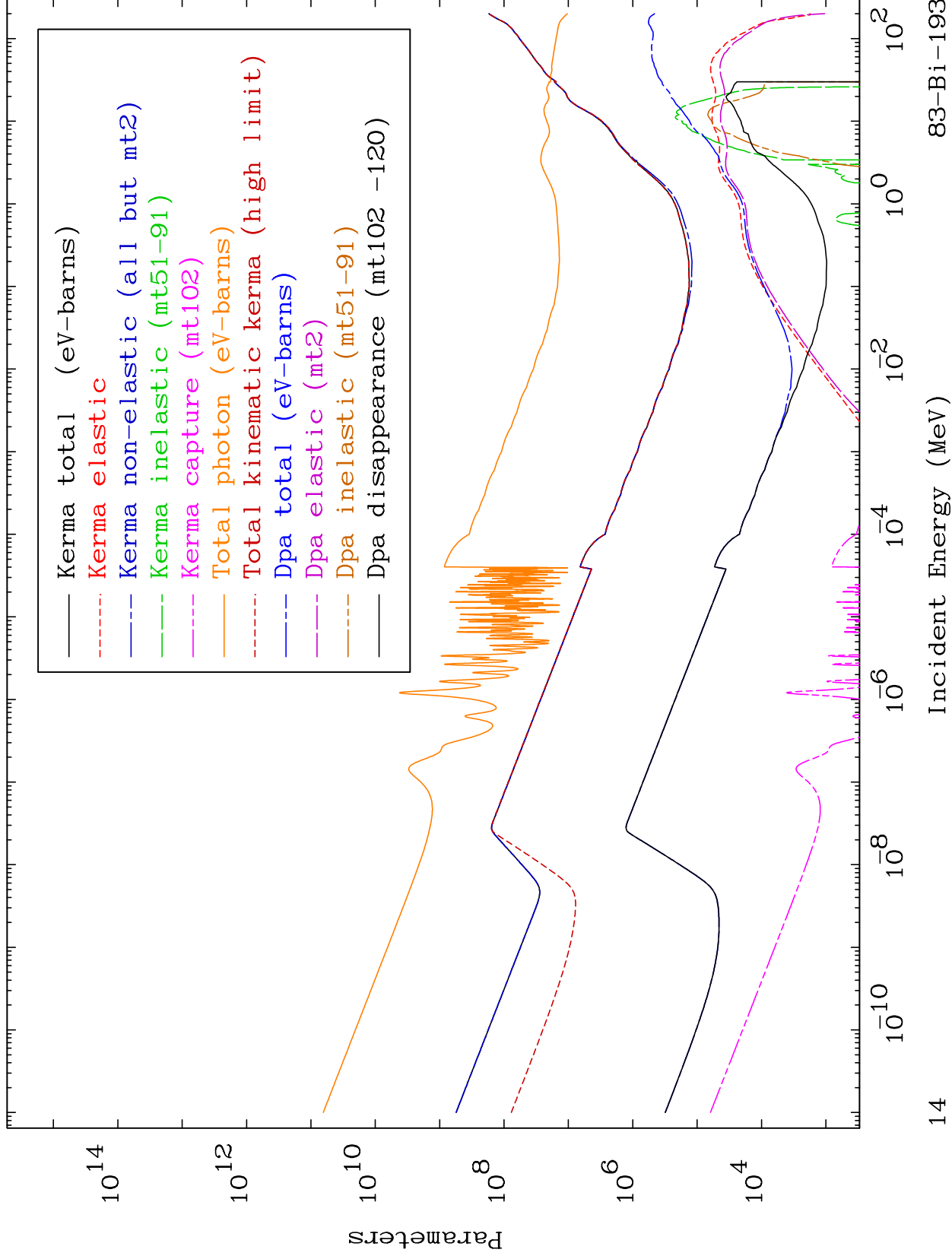
83-Bi-193



13

Incident Energy (MeV)

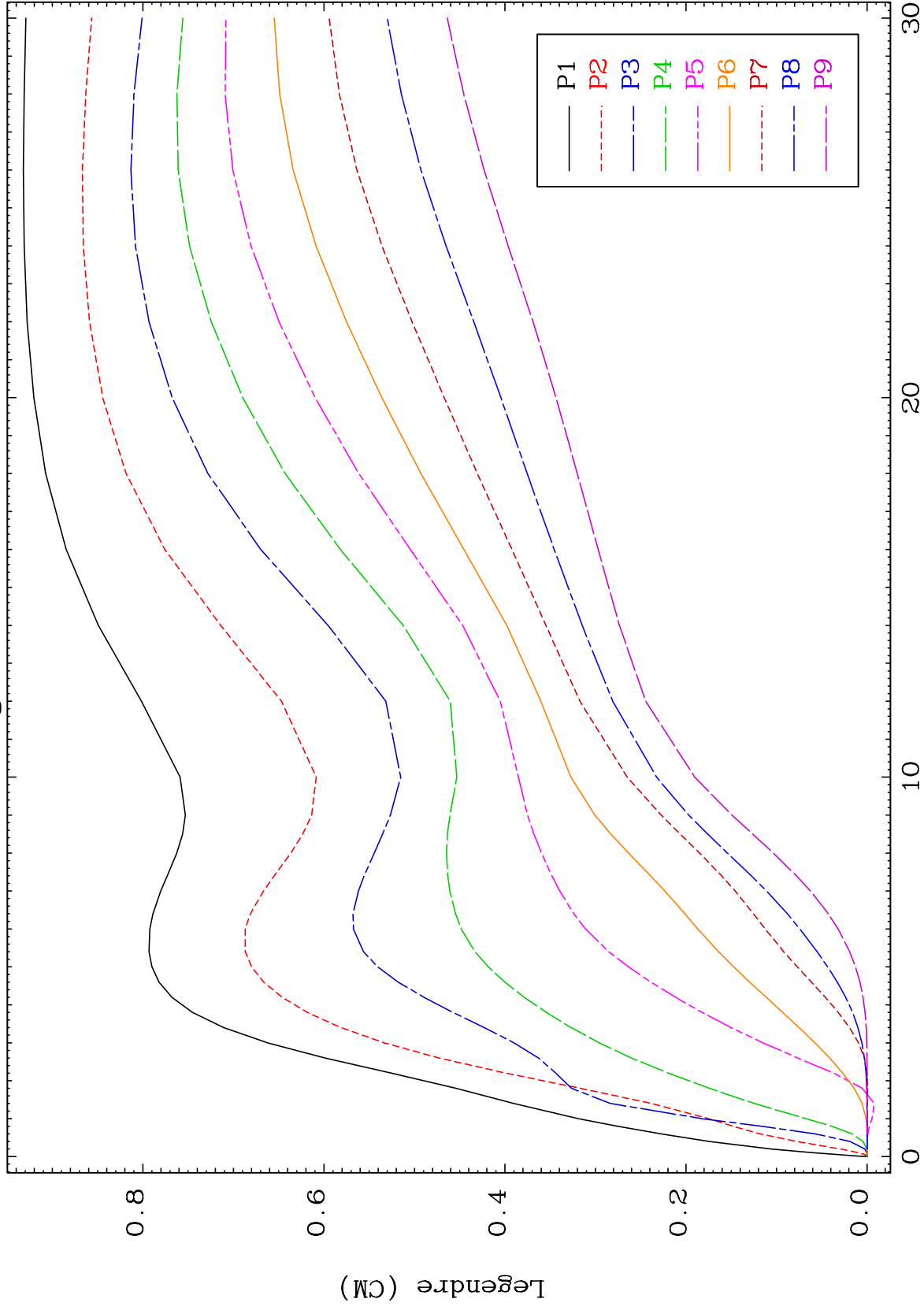
83-Bi-193



MAT 8277

Elastic Legendre Coefficients

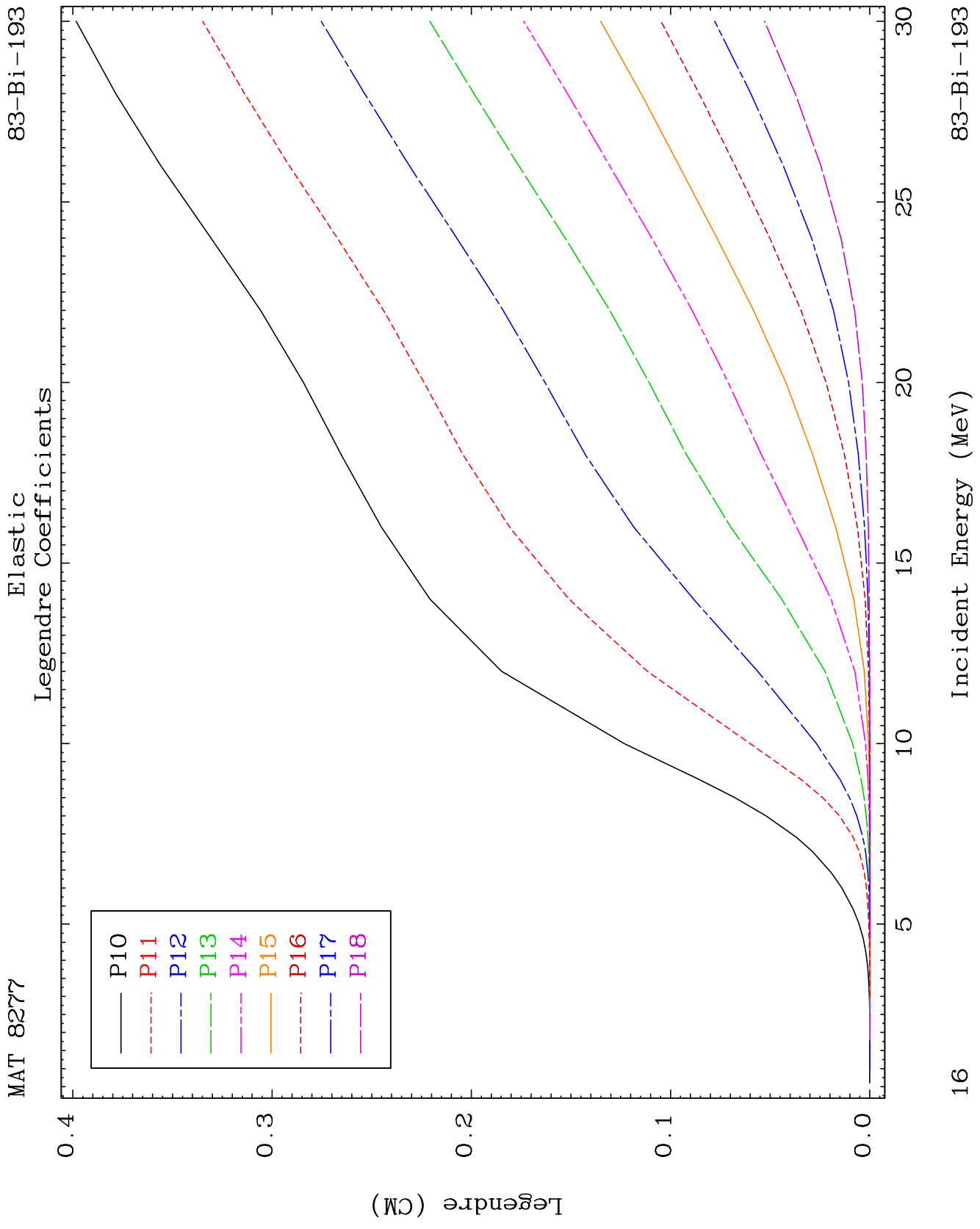
83-Bi-193



15

Incident Energy (MeV)

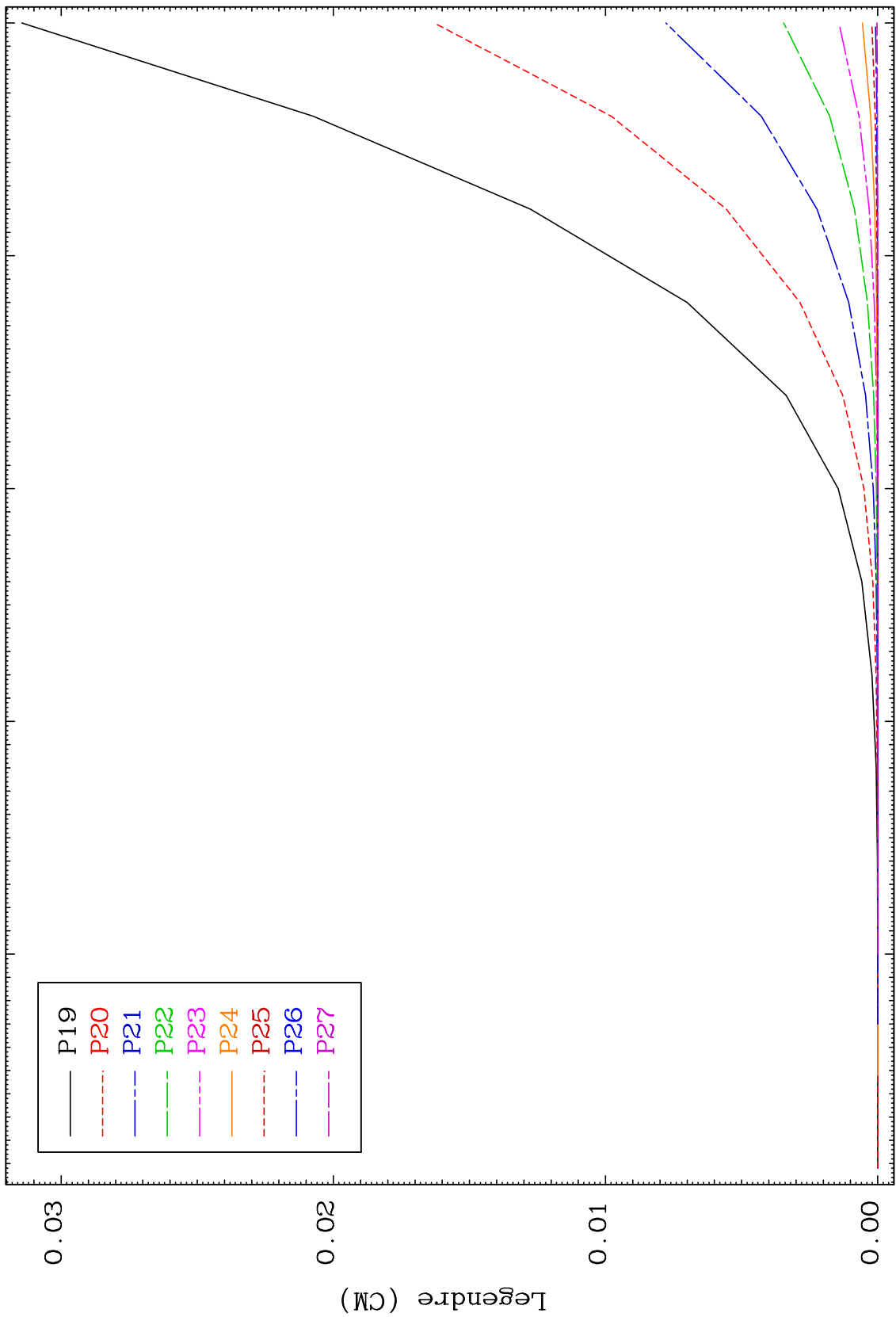
83-Bi-193



MAT 8277

Elastic Legendre Coefficients

83-Bi-193



17

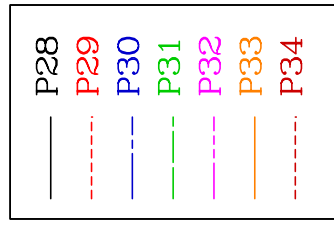
Incident Energy (MeV)

83-Bi-193

MAT 8277

Elastic
Legendre Coefficients

83-Bi-193



$\times 10^{-6}$

Legendre (CM)

10

15

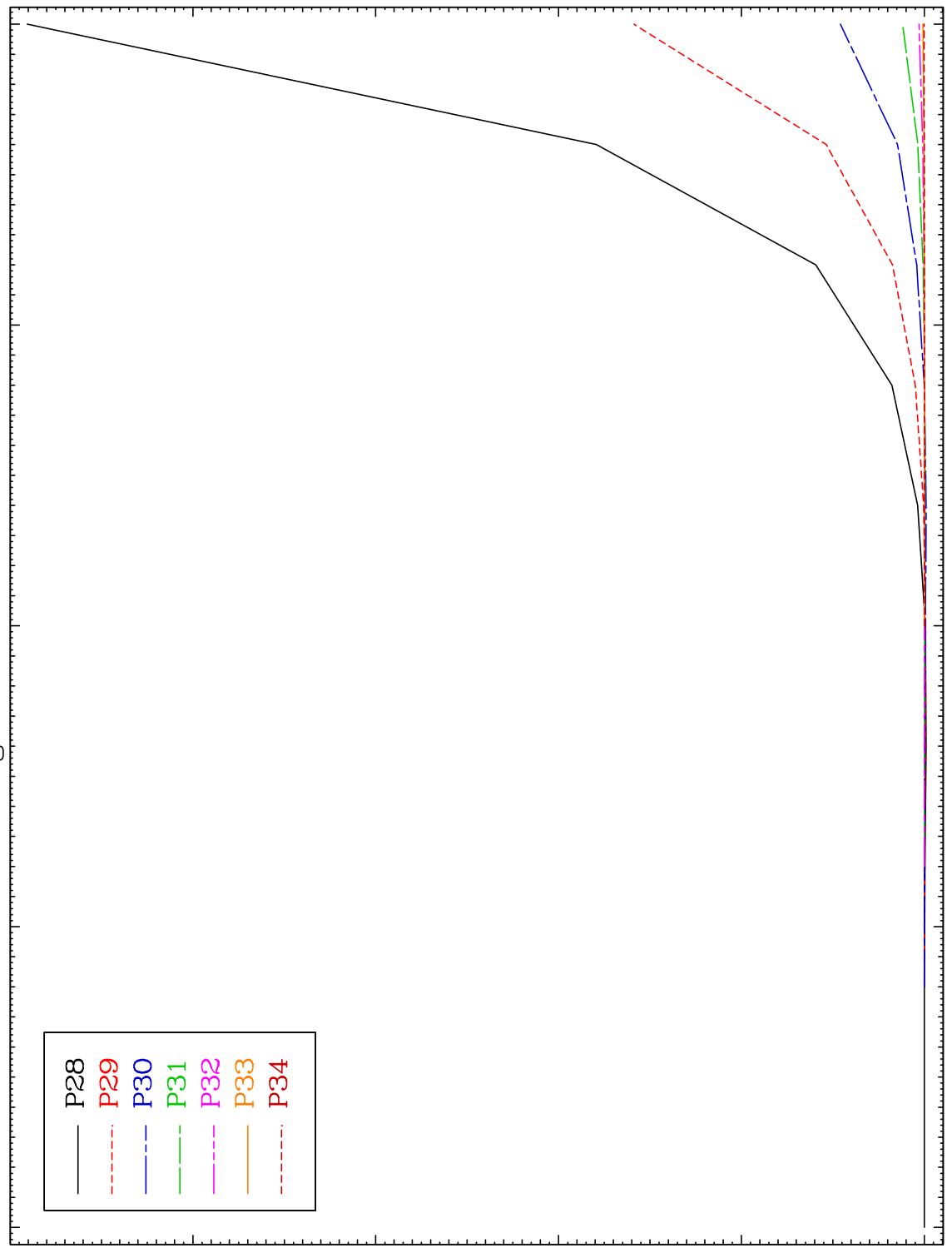
20

25

30

Incident Energy (MeV)

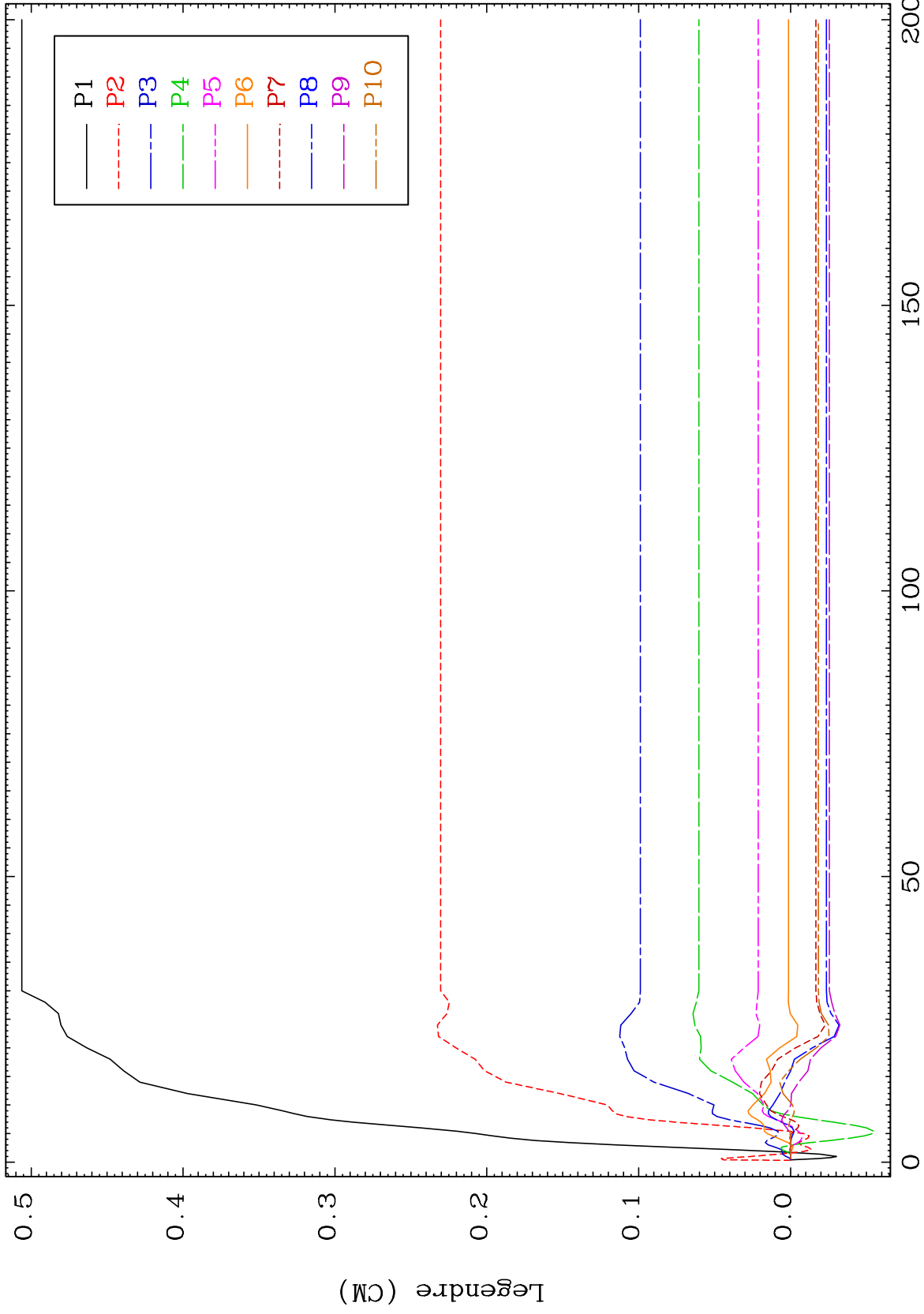
83-Bi-193



MAT 8277

308.0 keV (n,n') Level
Legendre Coefficients

83-Bi-193



19

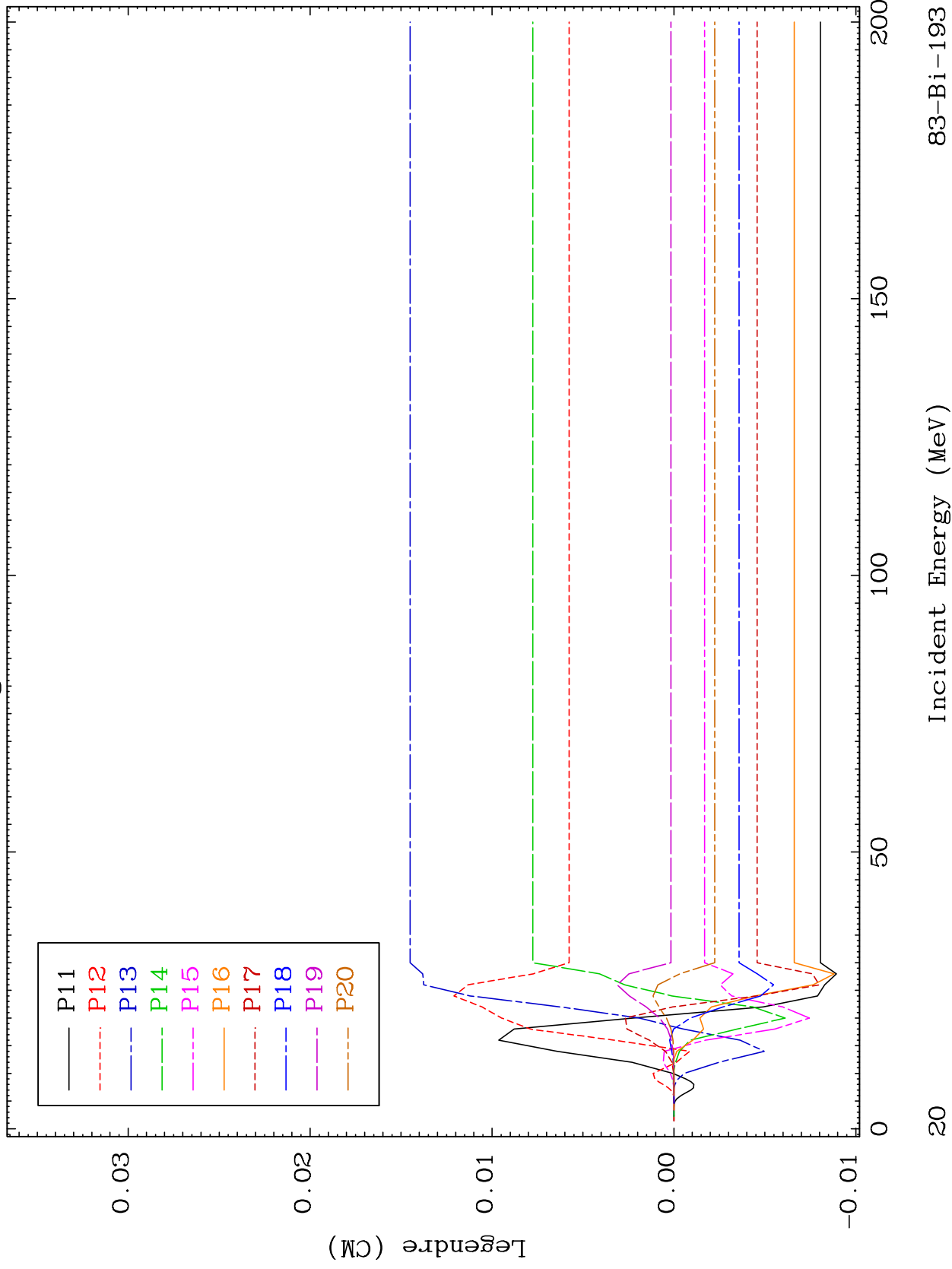
Incident Energy (MeV)

83-Bi-193

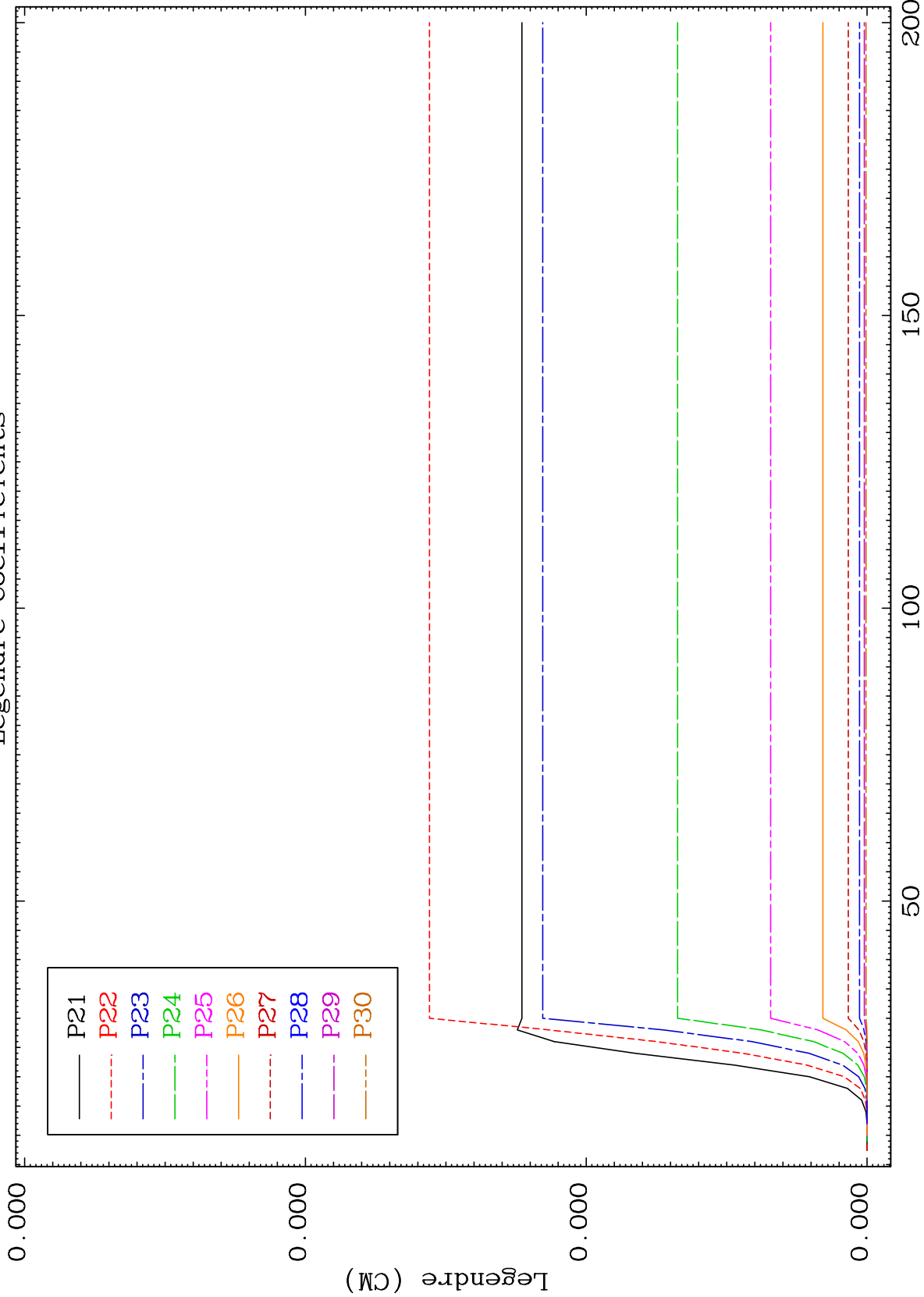
MAT 8277

308.0 keV (n,n') Level
Legendre Coefficients

83-Bi-193



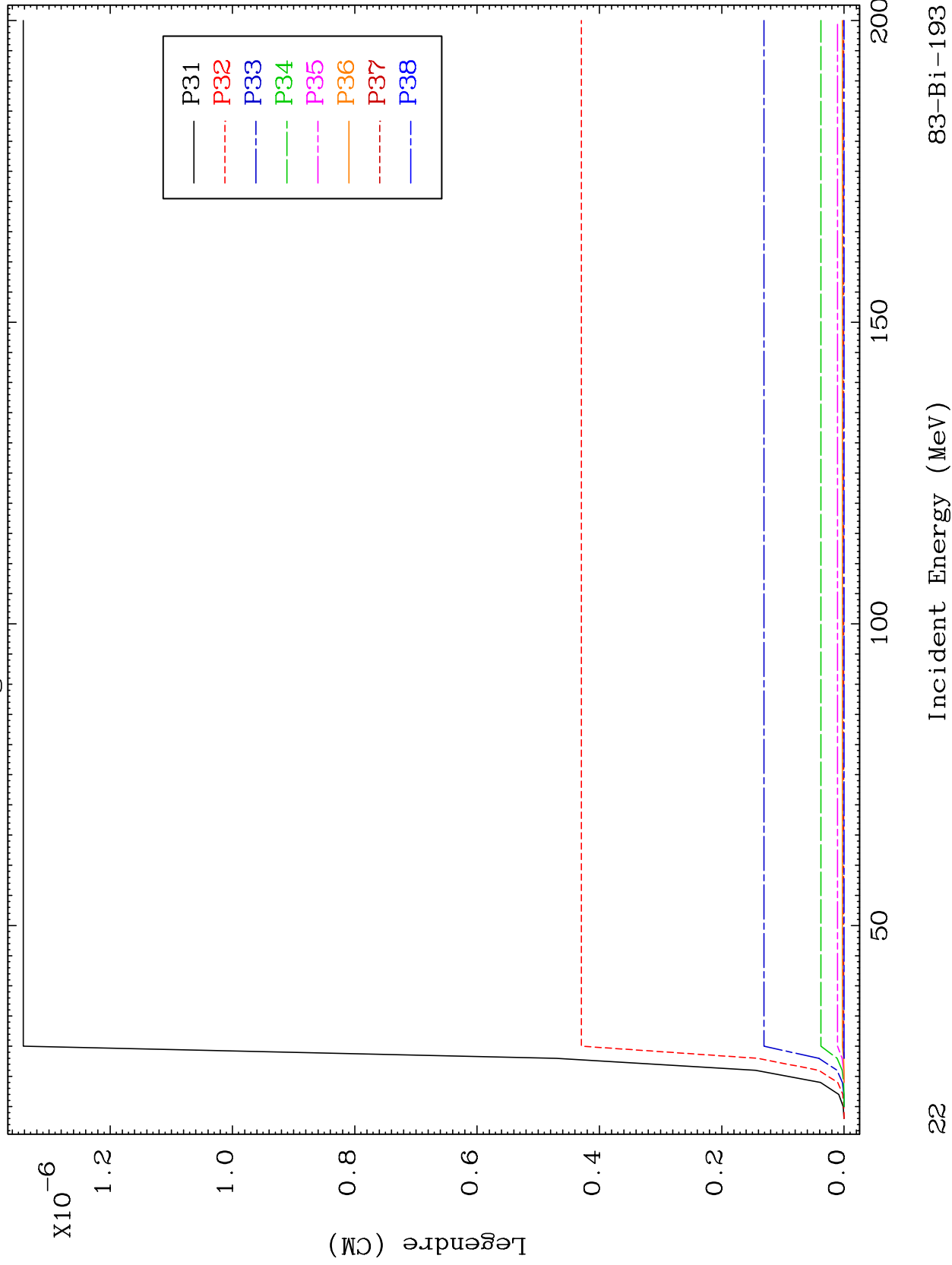
83-Bi-193



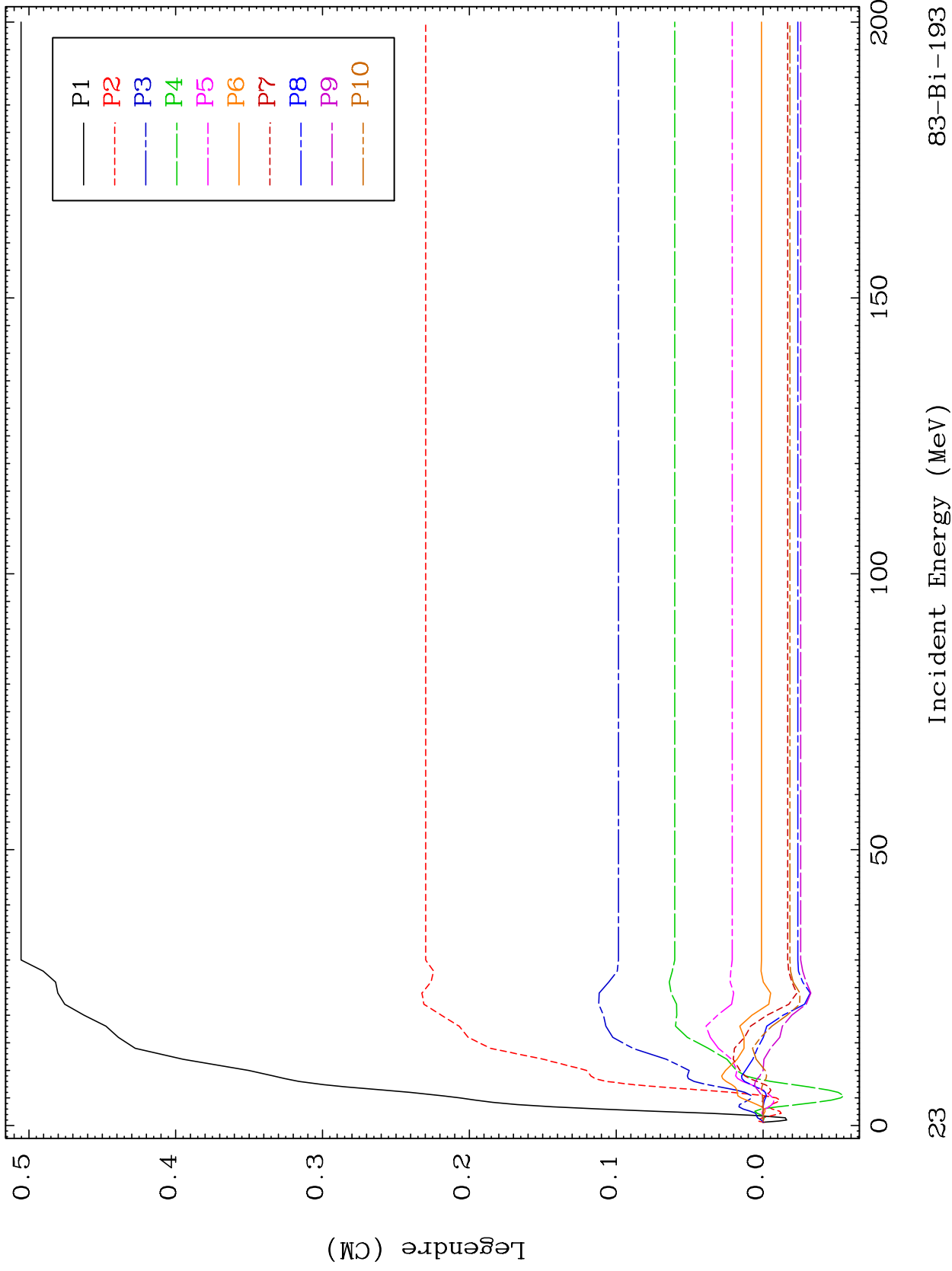
MAT 8277

308.0 keV (n,n') Level
Legendre Coefficients

83-Bi-193



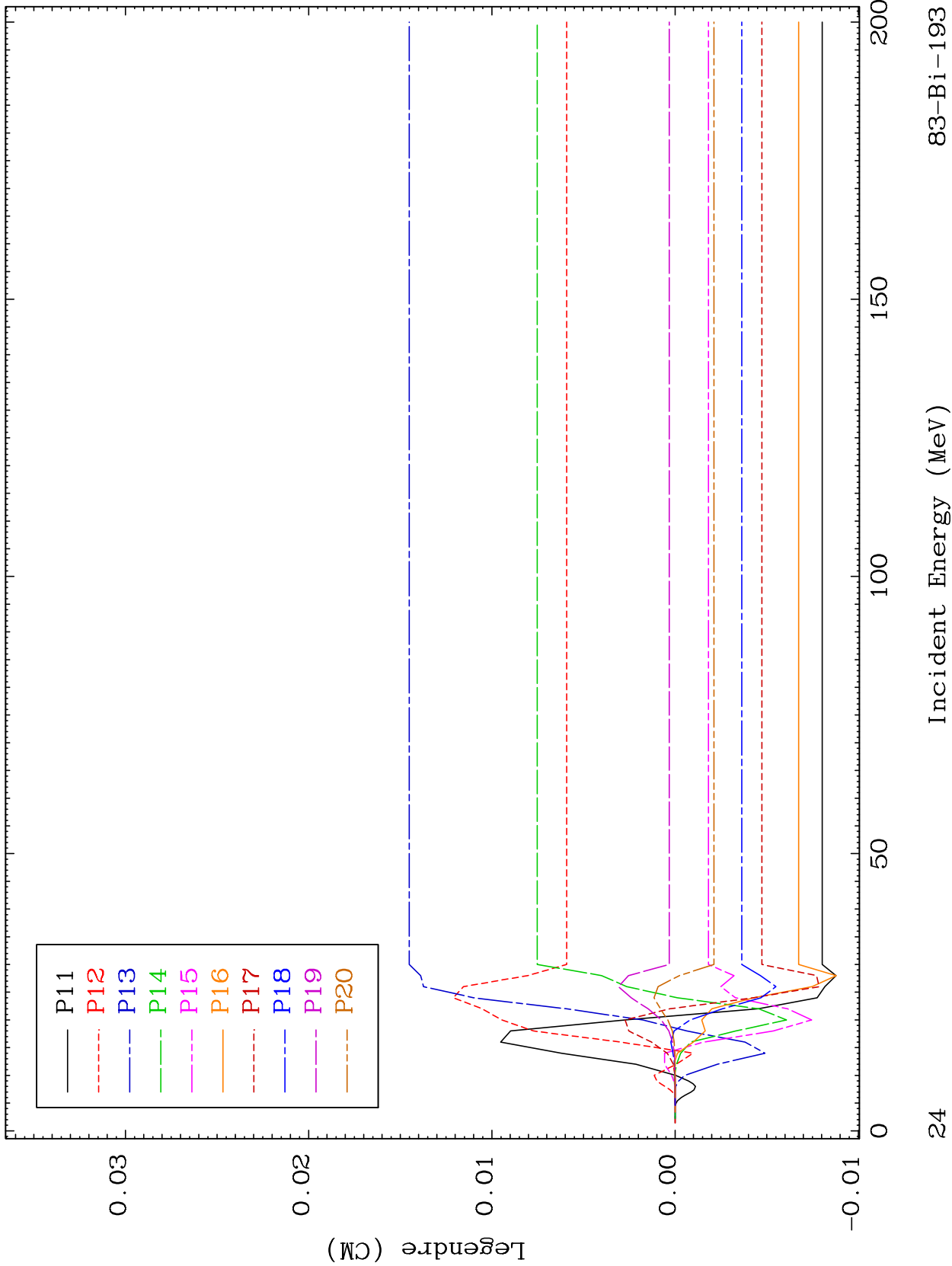
22



MAT 8277

507.9 keV (n,n') Level
Legendre Coefficients

83-Bi-193



24

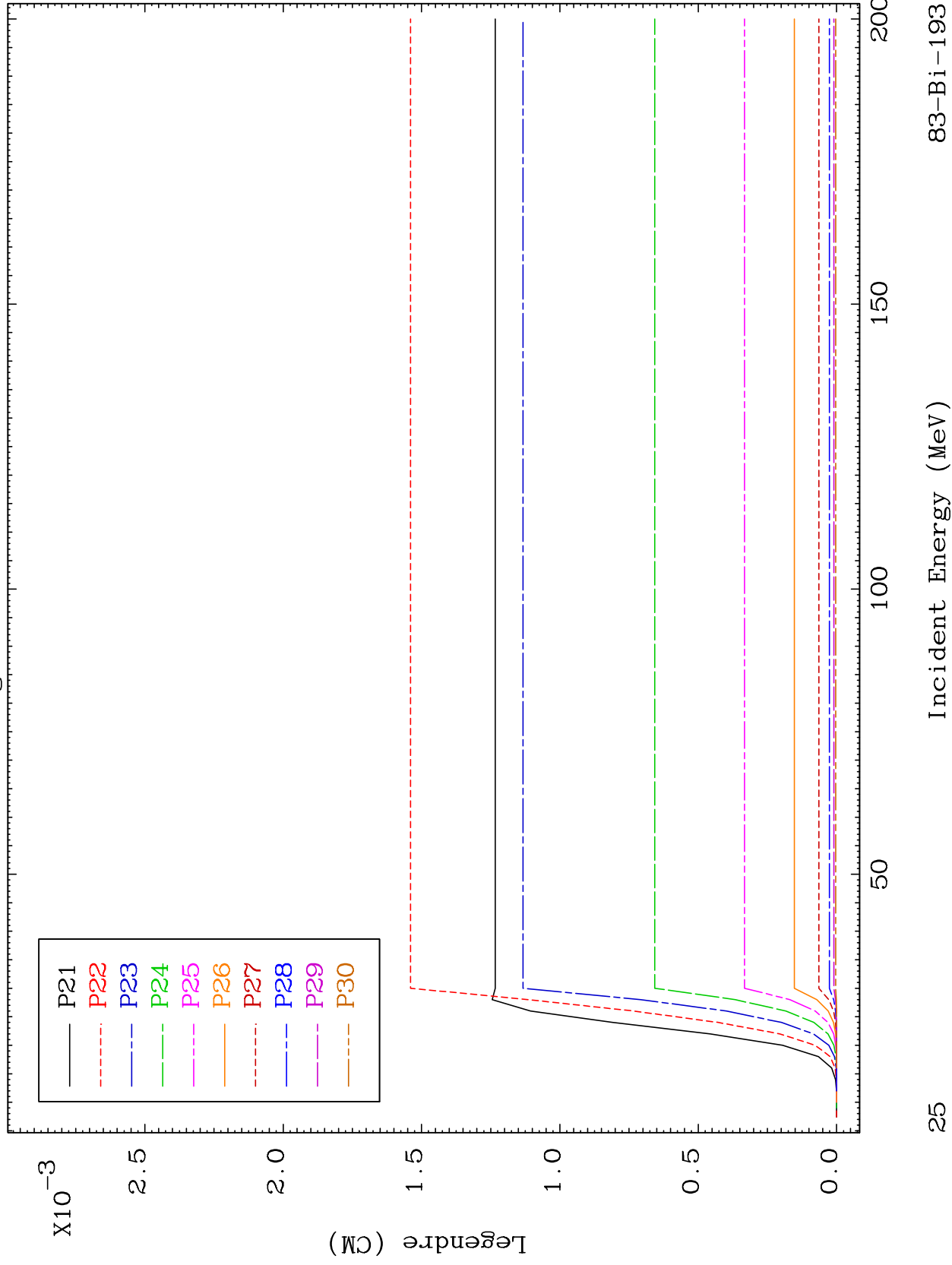
Incident Energy (MeV)

83-Bi-193

MAT 82777

507.9 keV (n,n') Level
Legendre Coefficients

83-Bi-193



25

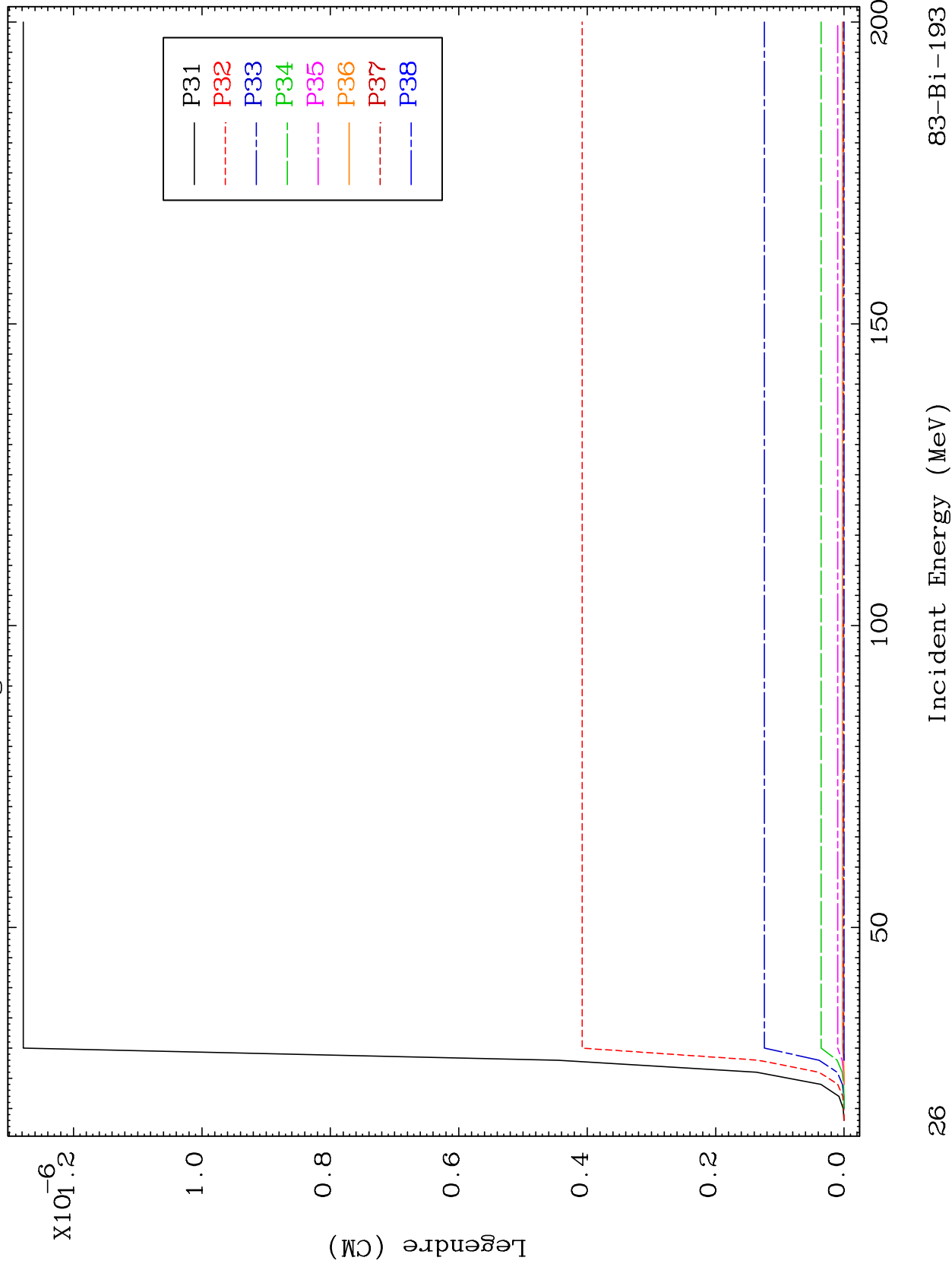
Incident Energy (MeV)

83-Bi-193

MAT 8277

507.9 keV (n,n') Level
Legendre Coefficients

83-Bi-193



26

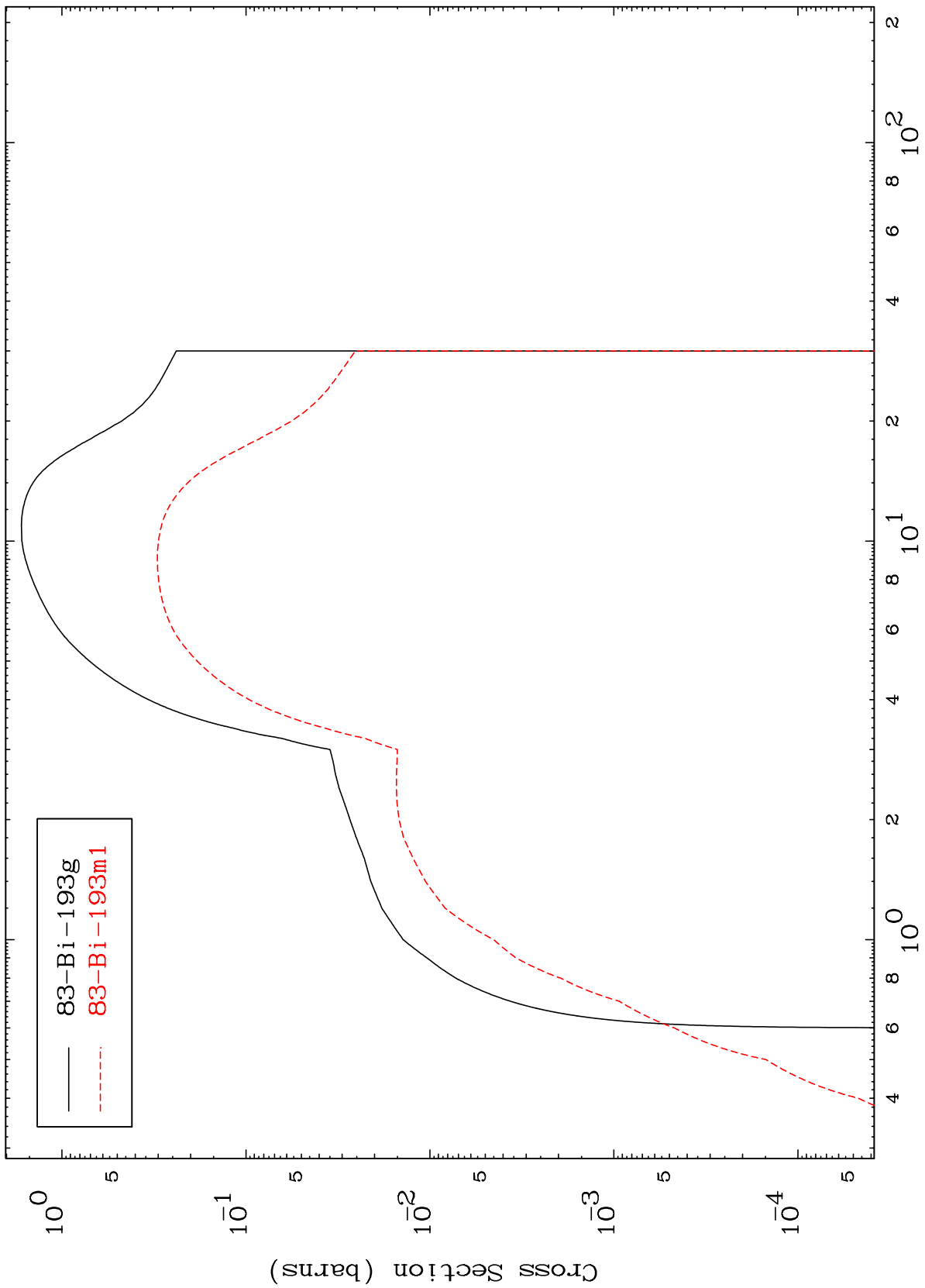
Incident Energy (MeV)

83-Bi-193

MAT 8277

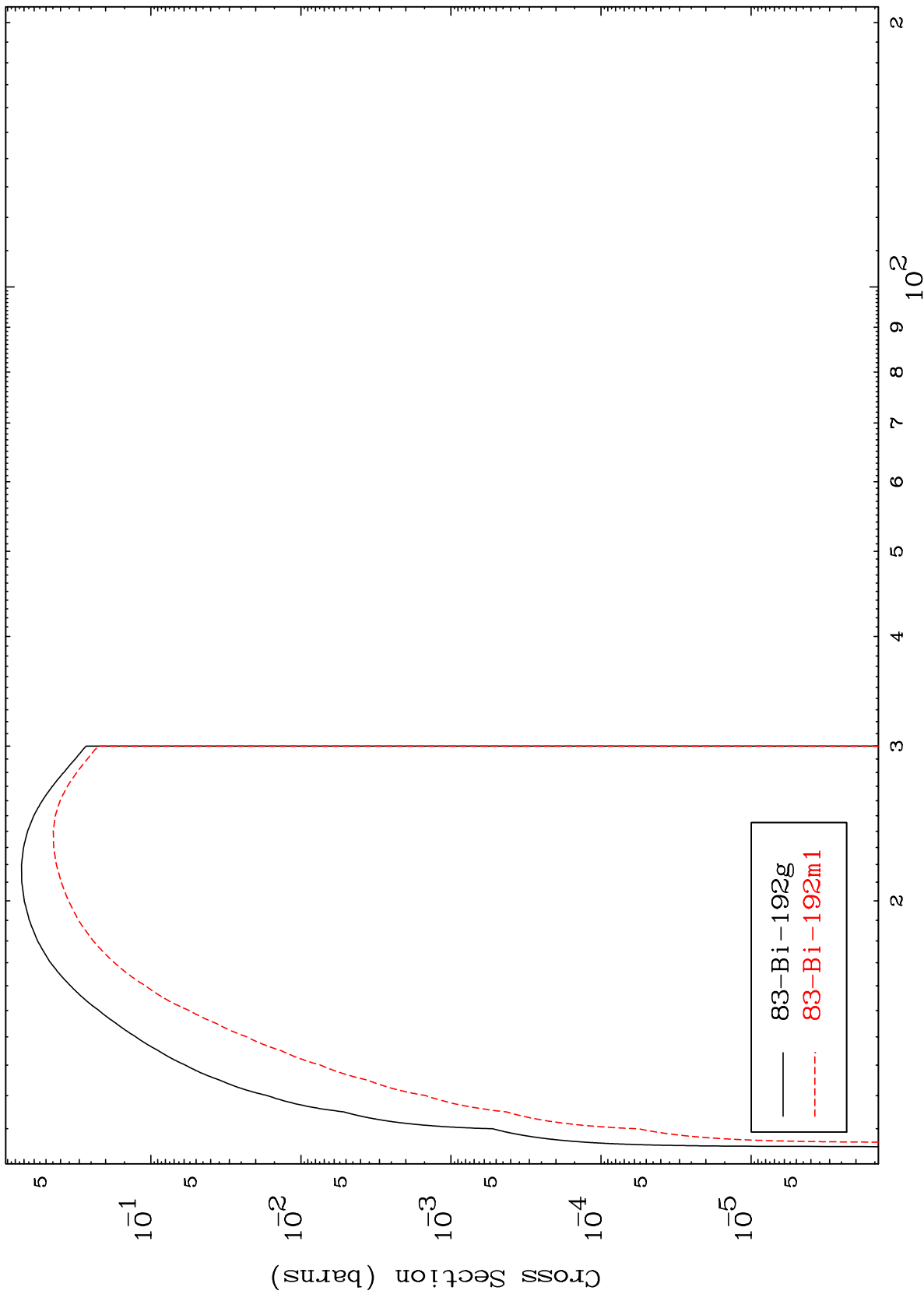
83-Bi-193

Inelastic
Radionuclide Production Cross Section



— 83-Bi-193g
- - - 83-Bi-193m1

Radionuclide Production Cross Section

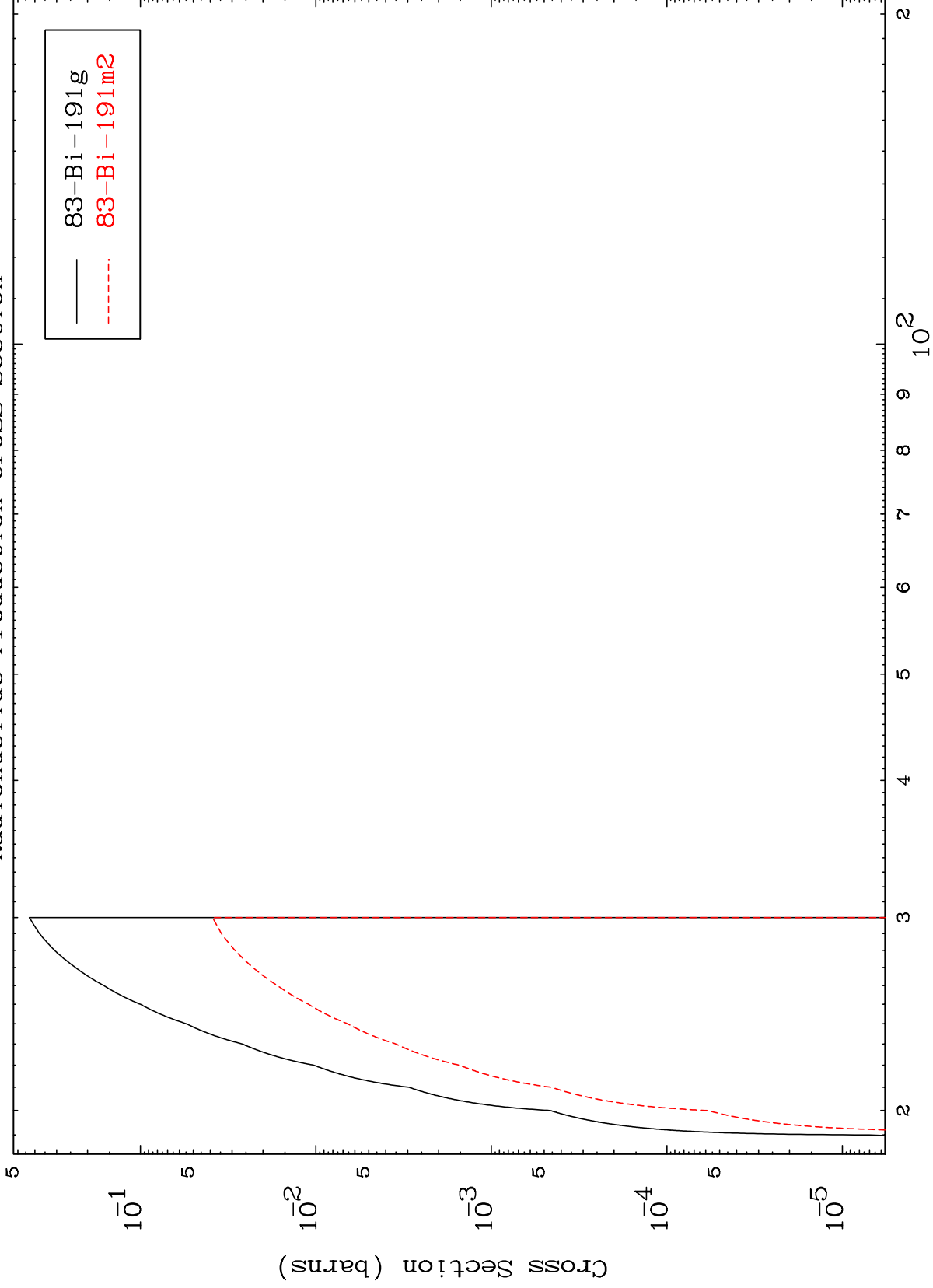


MAT 82777

(n,3n)

83-Bi-193

Radionuclide Production Cross Section



29

Incident Energy (MeV)

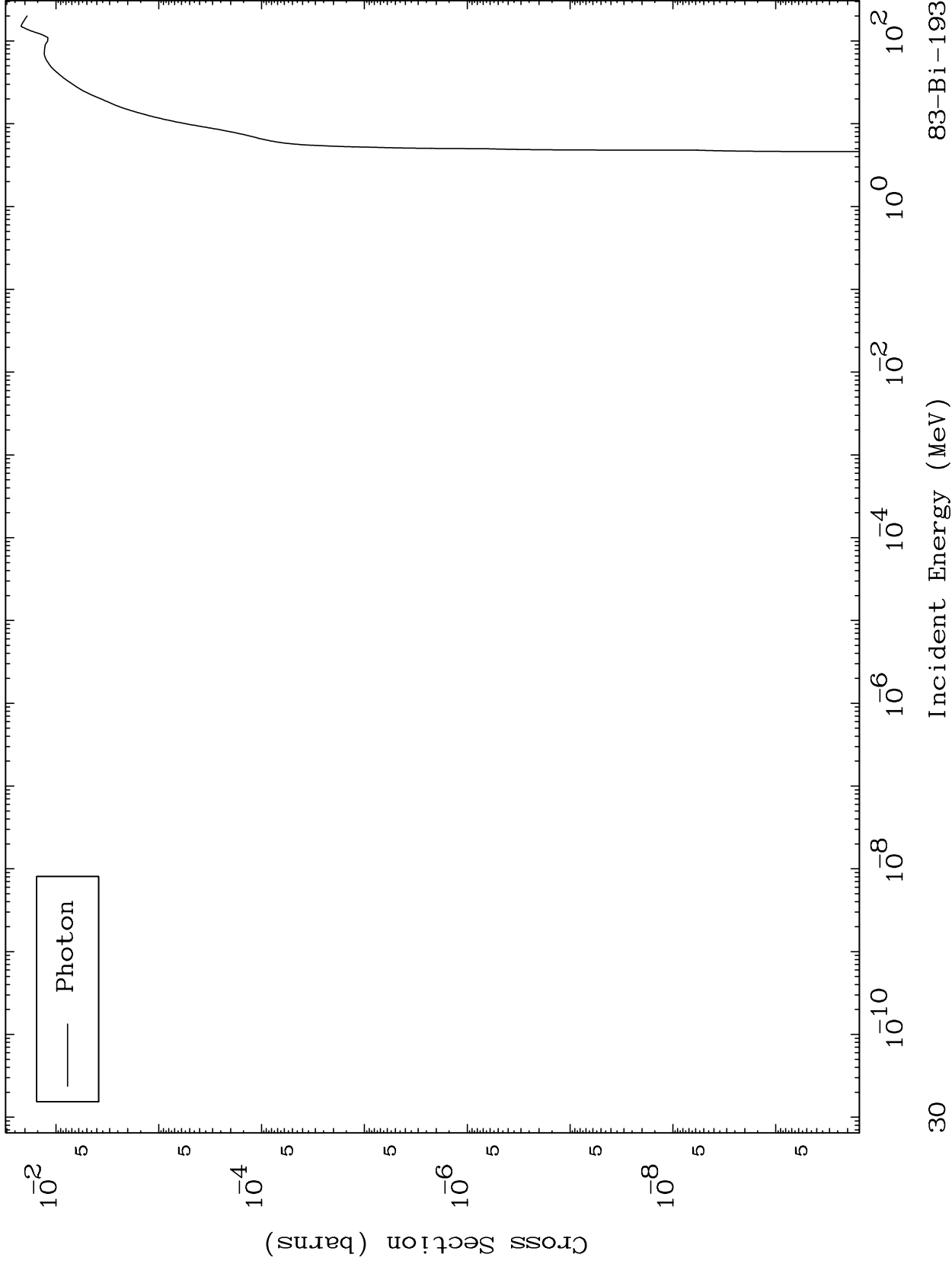
83-Bi-193

MAT 8277

Fission

83-Bi-193

Radionuclide Production Cross Section



30

Incident Energy (MeV)

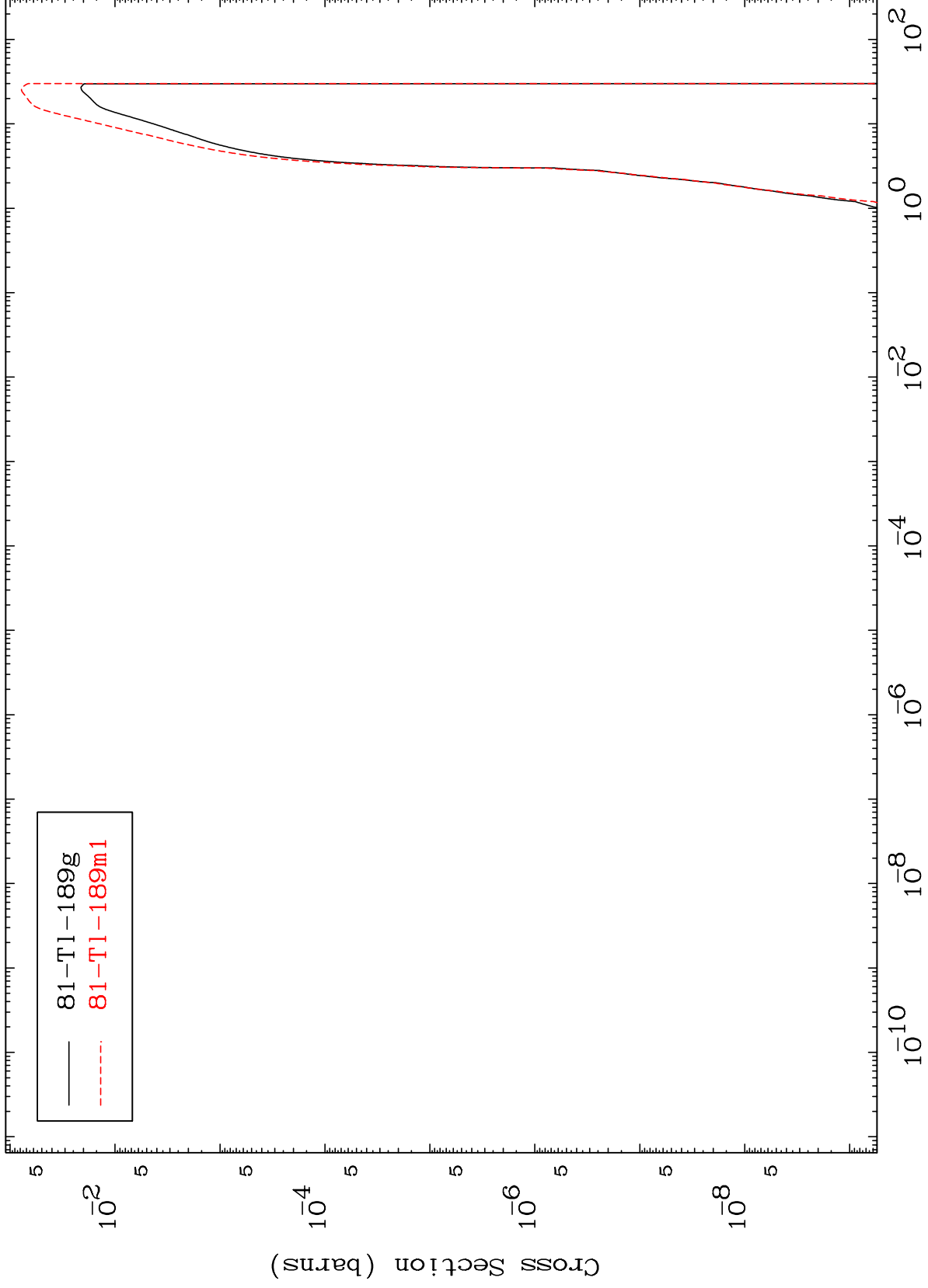
83-Bi-193

MAT 8277

$(n, n') \alpha$

83-Bi-193

Radionuclide Production Cross Section

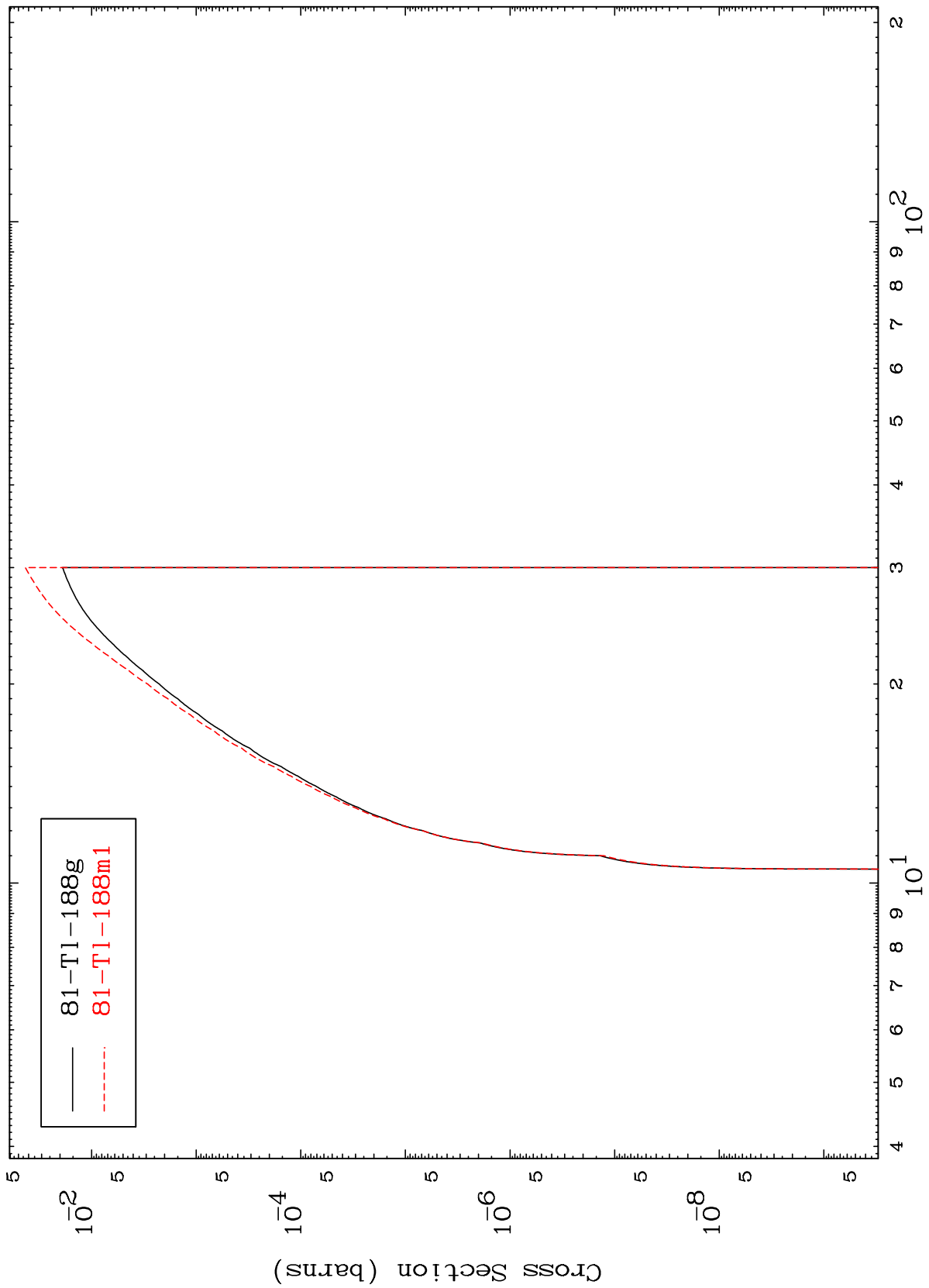


MAT 8277

(n,2n) α

83-Bi-193

Radionuclide Production Cross Section

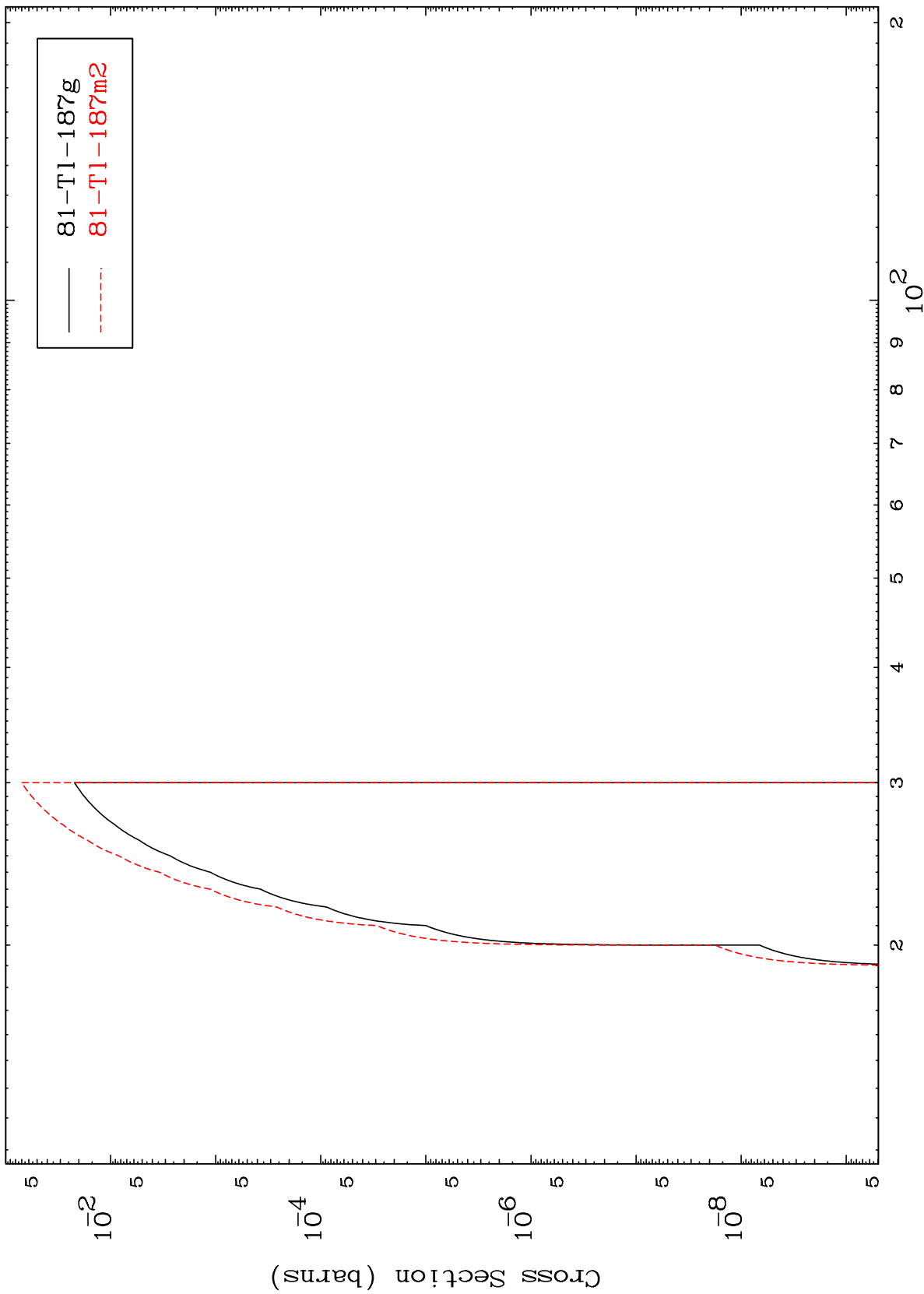


32

Incident Energy (MeV)

83-Bi-193

Radionuclide Production Cross Section

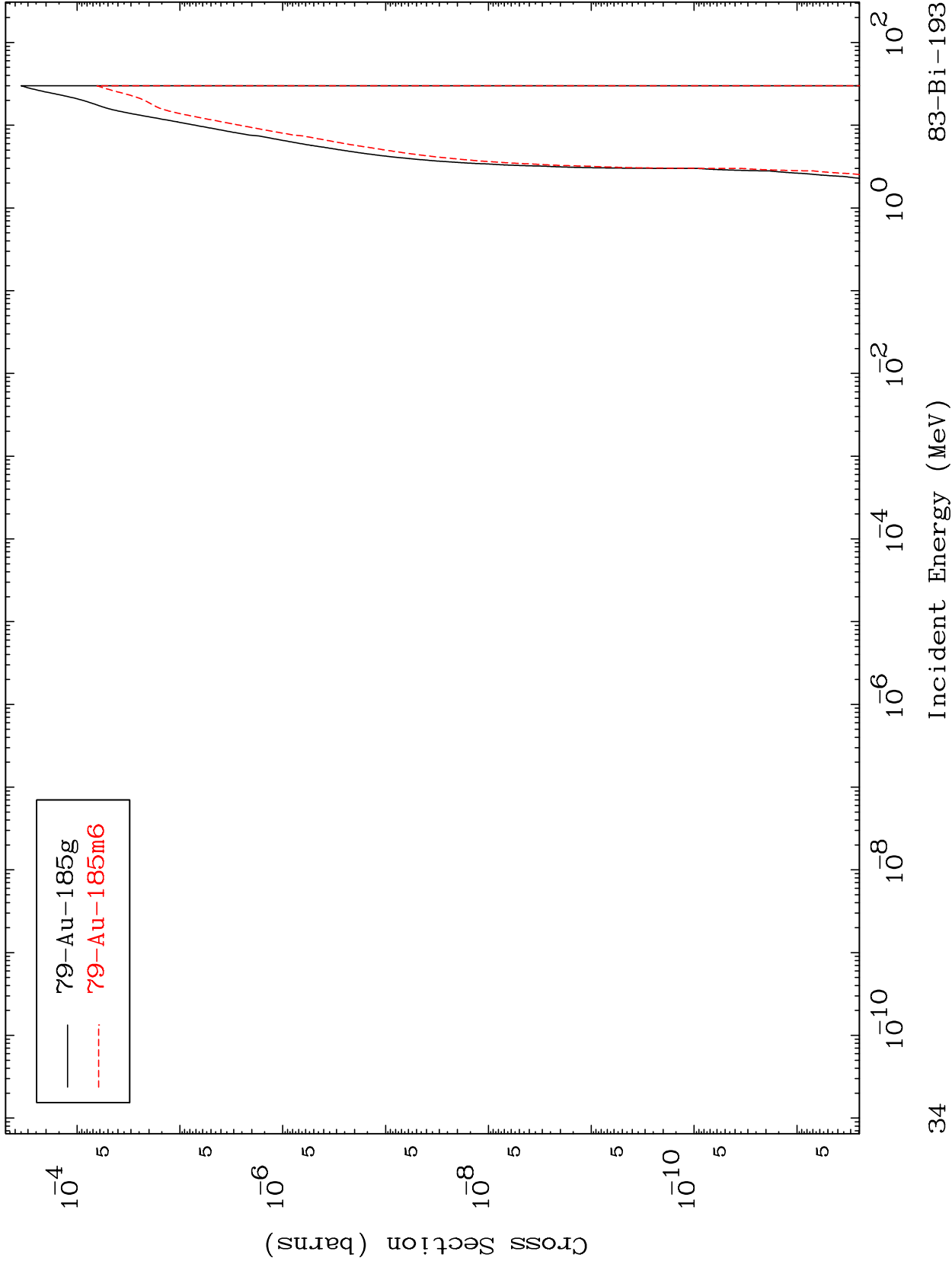


MAT 8277

(n,n') 2 α

83-Bi-193

Radionuclide Production Cross Section



34

Incident Energy (MeV)

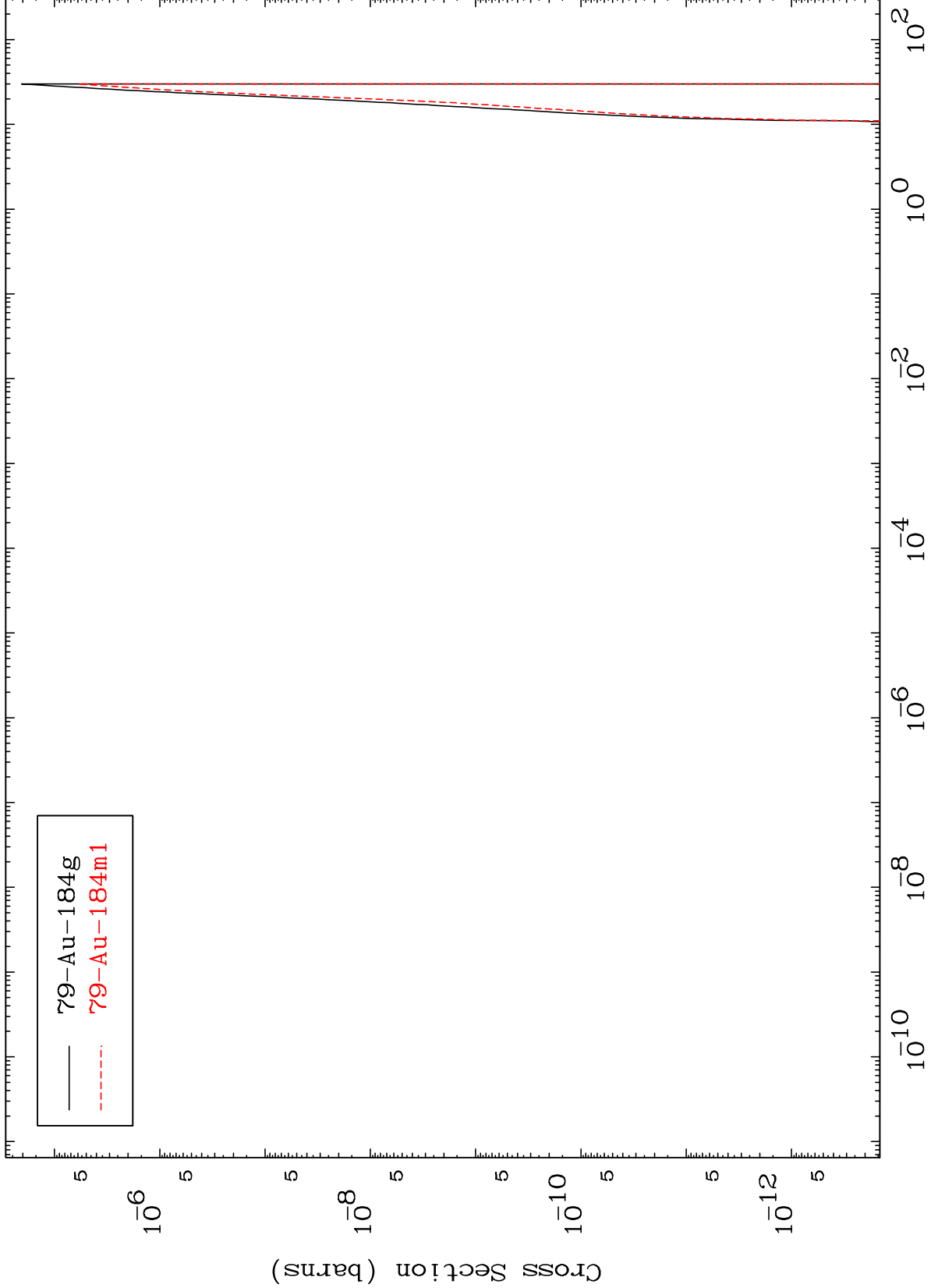
83-Bi-193

MAT 8277

(n,2n) 2 α

83-Bi-193

Radionuclide Production Cross Section



35

Incident Energy (MeV)

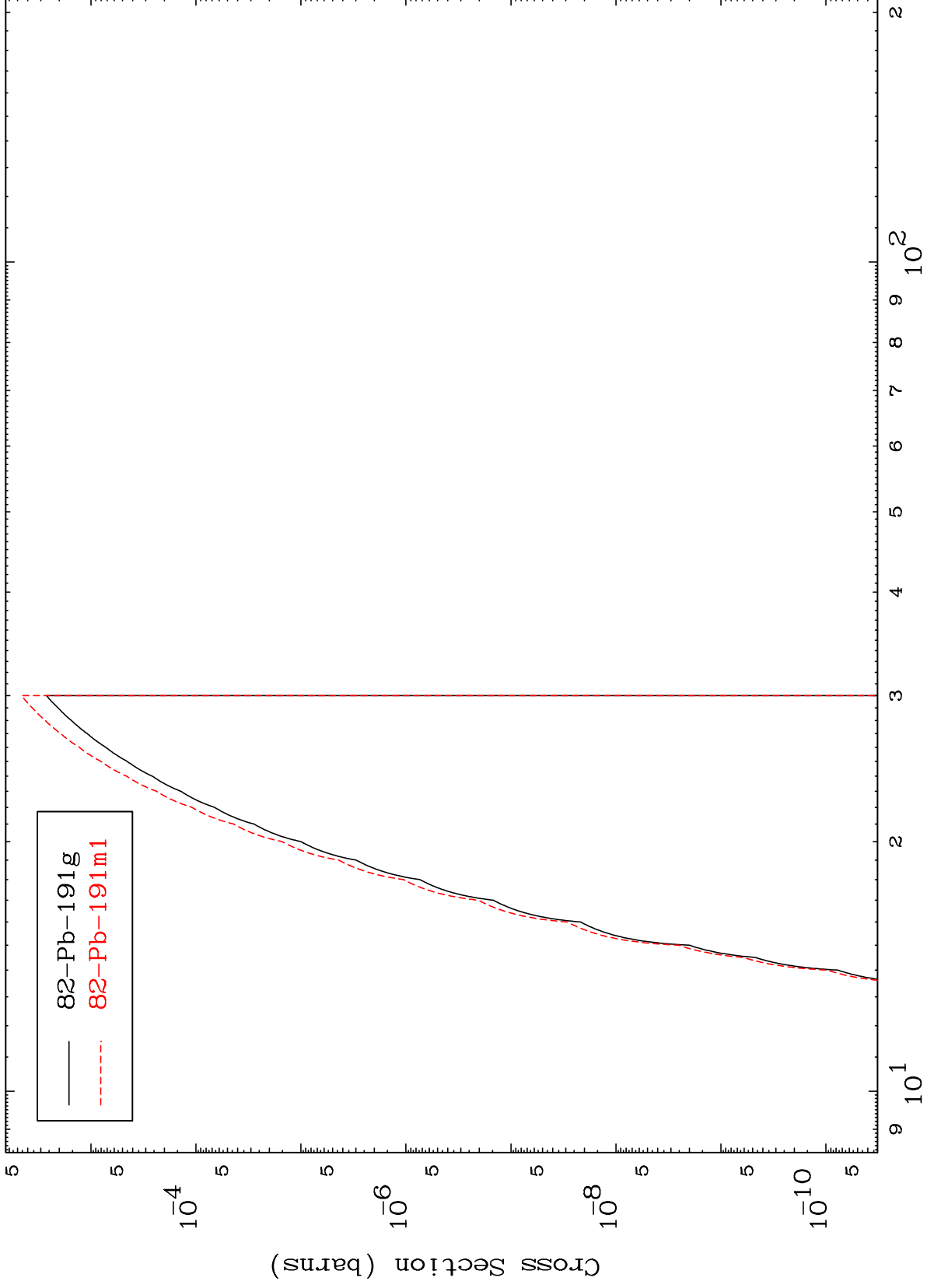
83-Bi-193

MAT 8277

(n,n') d

83-Bi-193

Radionuclide Production Cross Section



36

Incident Energy (MeV)

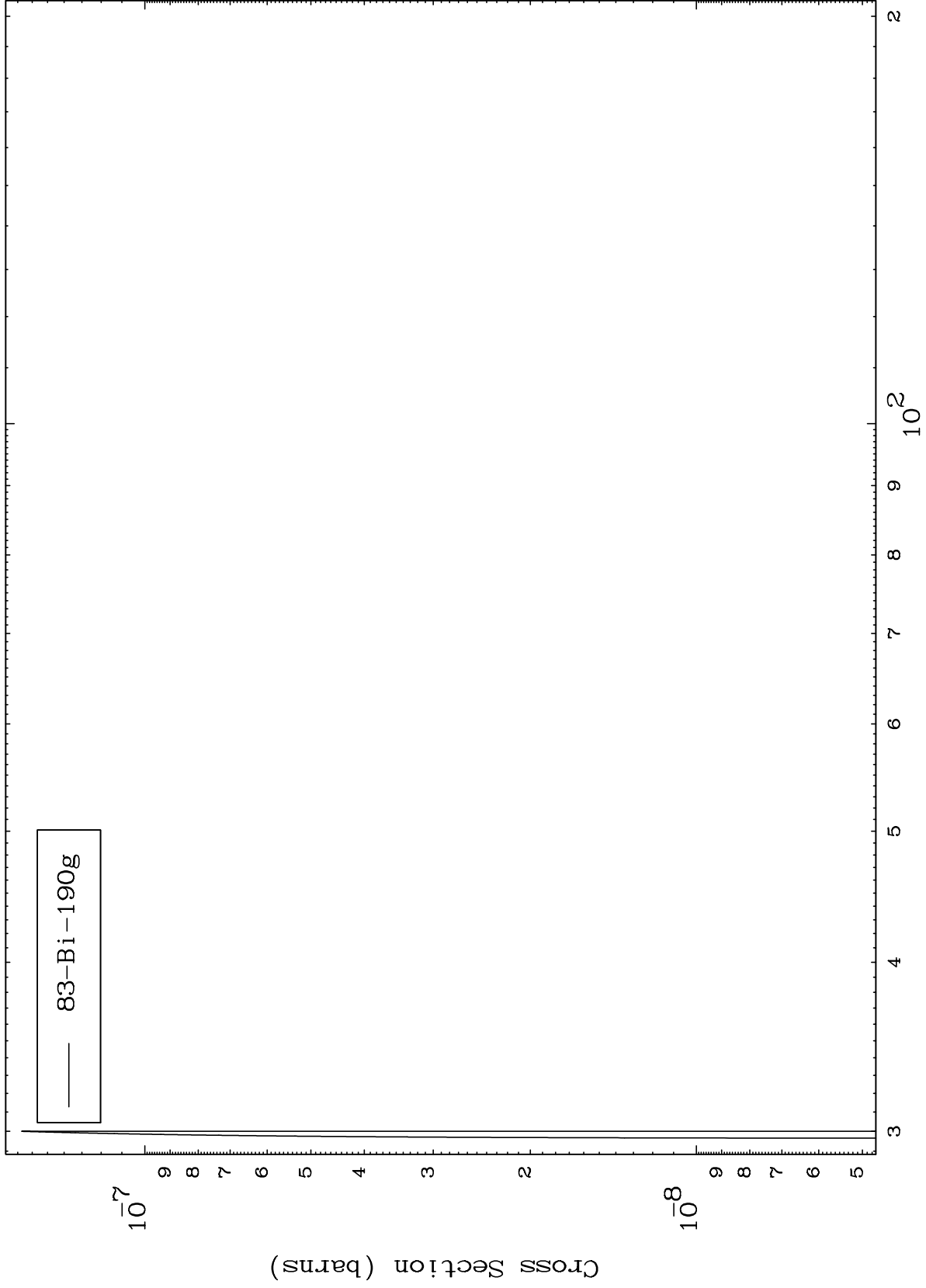
83-Bi-193

MAT 8277

(n,4n)

83-Bi-193

Radionuclide Production Cross Section

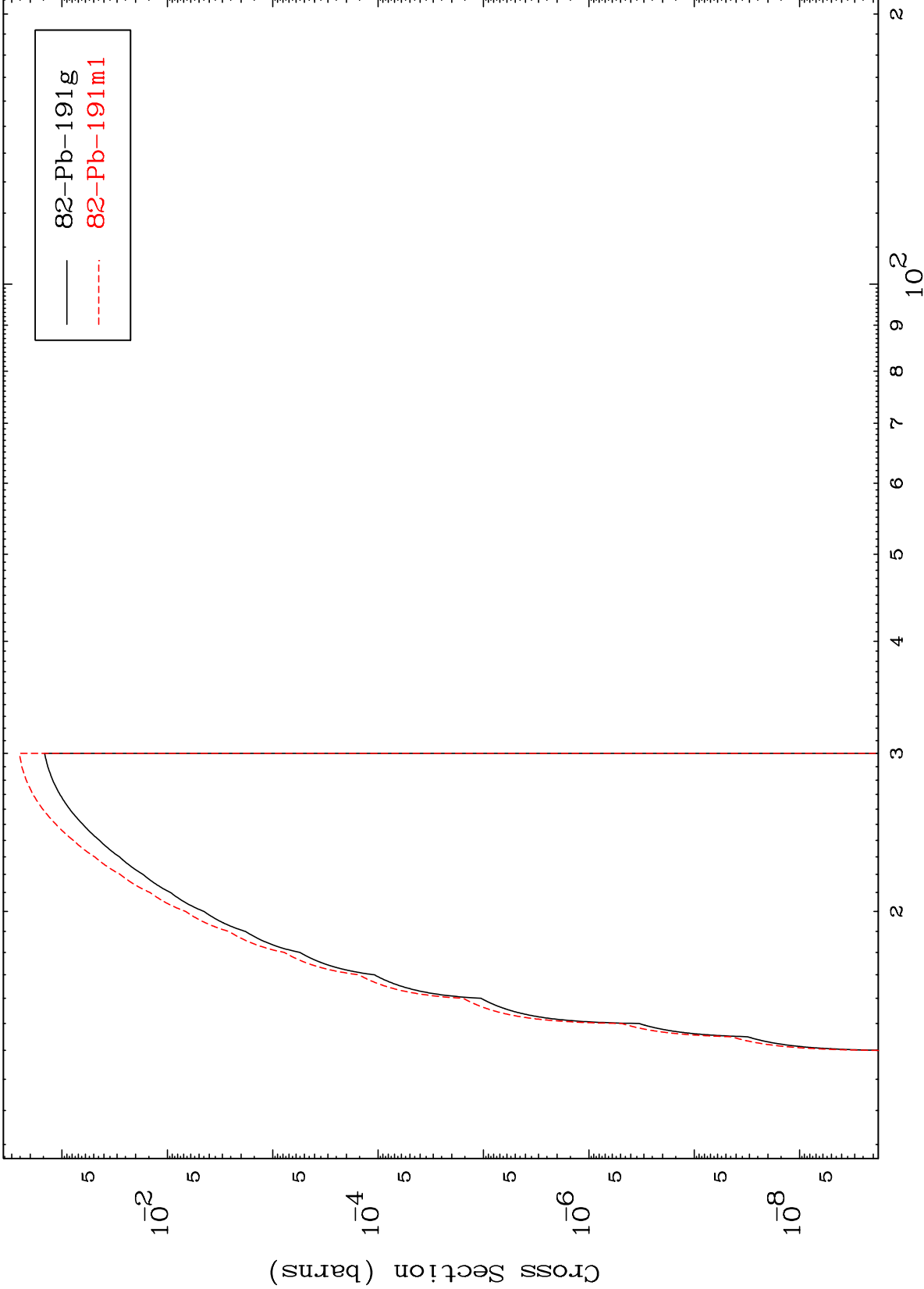


37

Incident Energy (MeV)

83-Bi-193

Radionuclide Production Cross Section

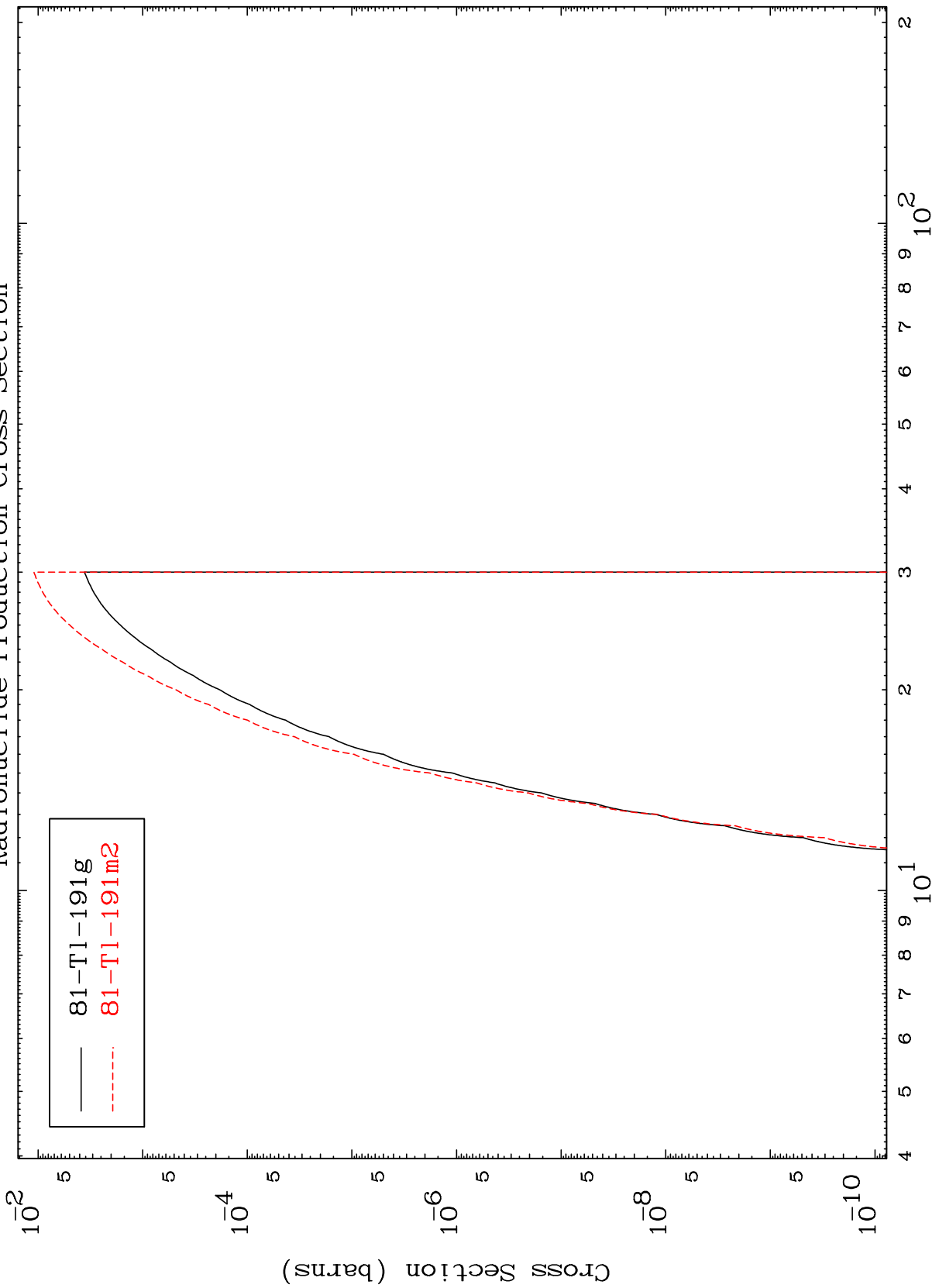


MAT 8277

(n,2n) p

83-Bi-193

Radionuclide Production Cross Section



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

39

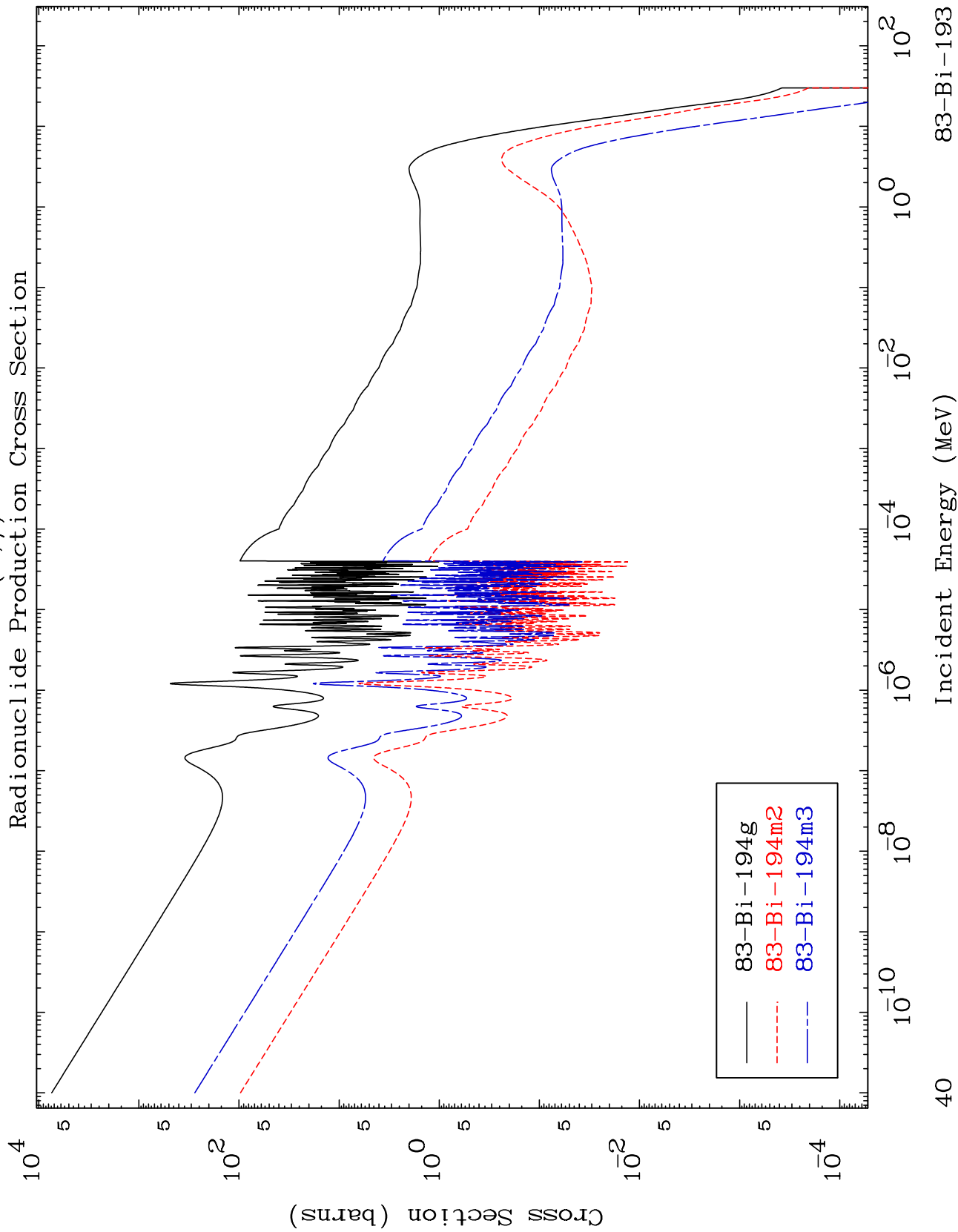
Incident Energy (MeV)

83-Bi-193

MAT 8277

83-Bi-193

Radionuclide Production Cross Section
(n,γ)

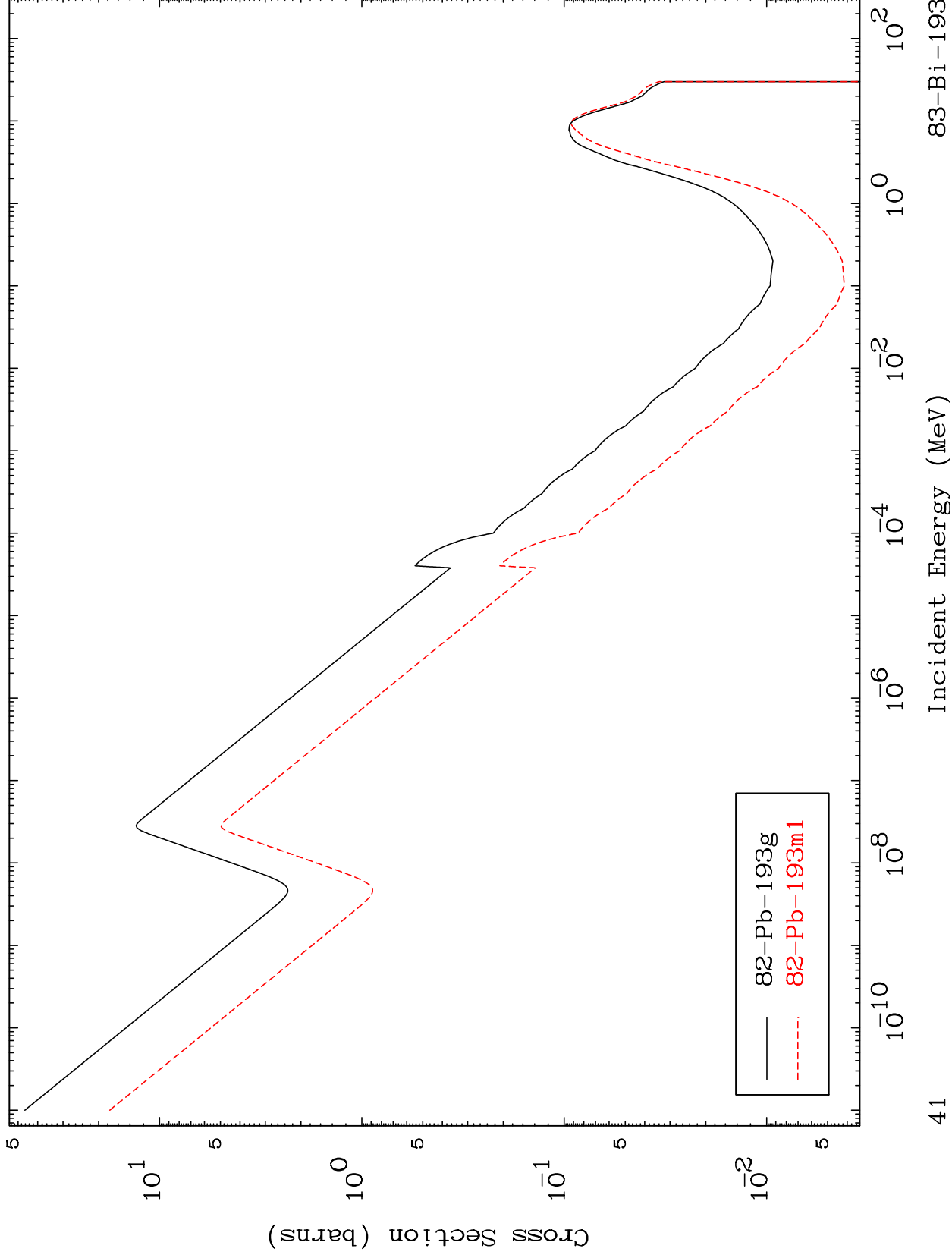


40

MAT 8277

83-Bi-193

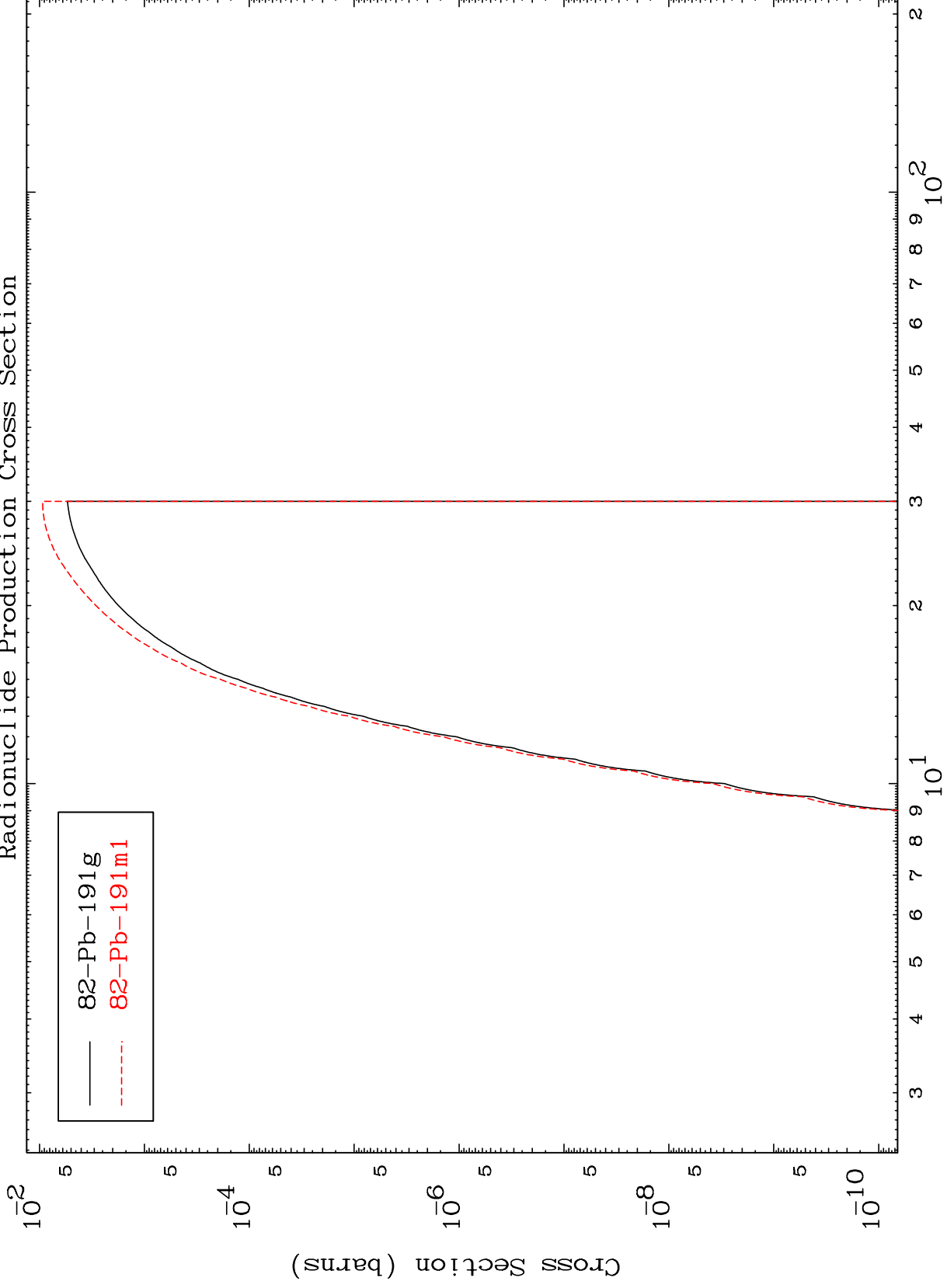
(n,p)
Radionuclide Production Cross Section



MAT 8277

83-Bi-193

(n,t)
Radionuclide Production Cross Section



42

Incident Energy (MeV)

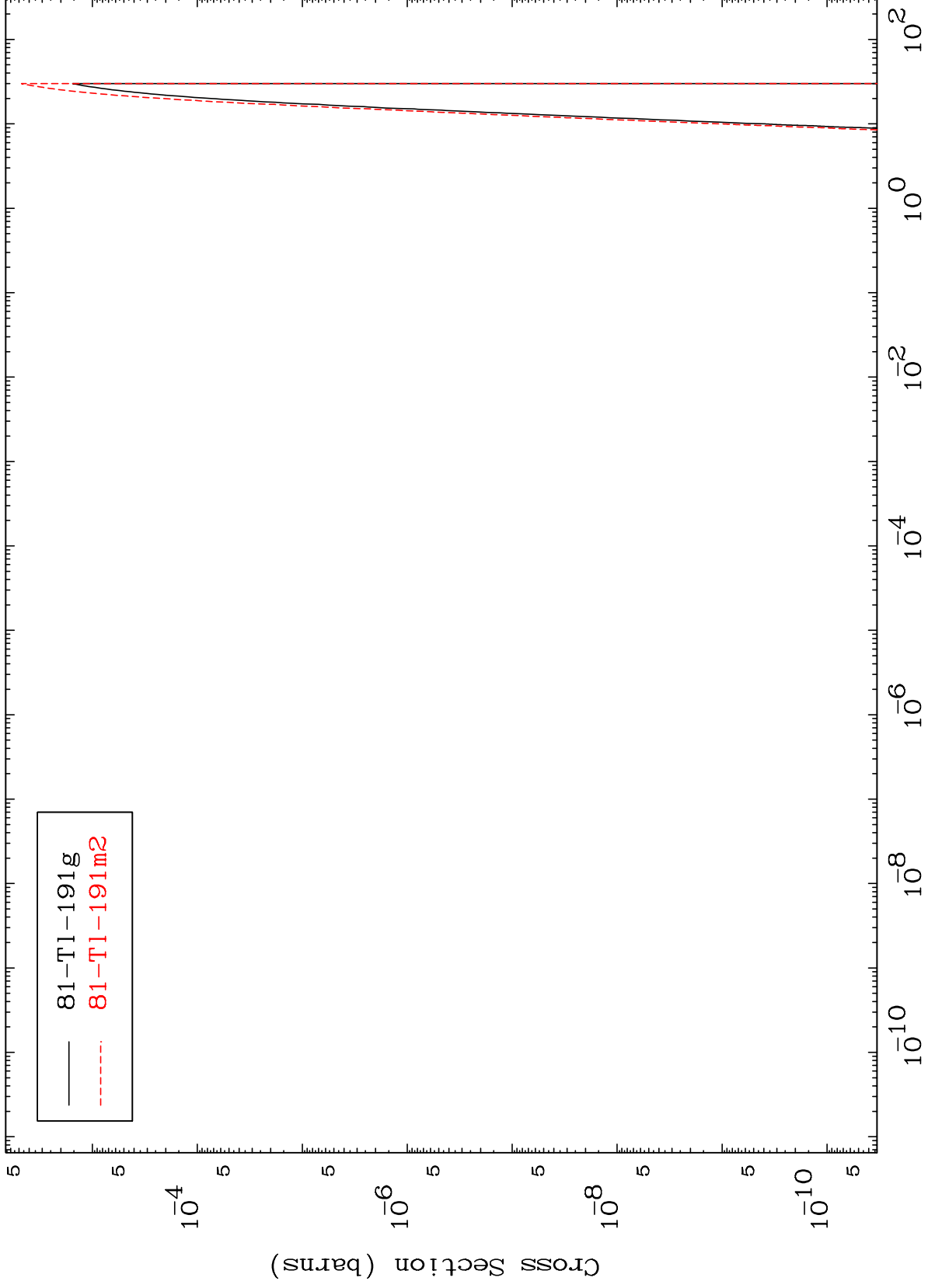
83-Bi-193

MAT 8277

(n,He-3)

83-Bi-193

Radionuclide Production Cross Section



43

Incident Energy (MeV)

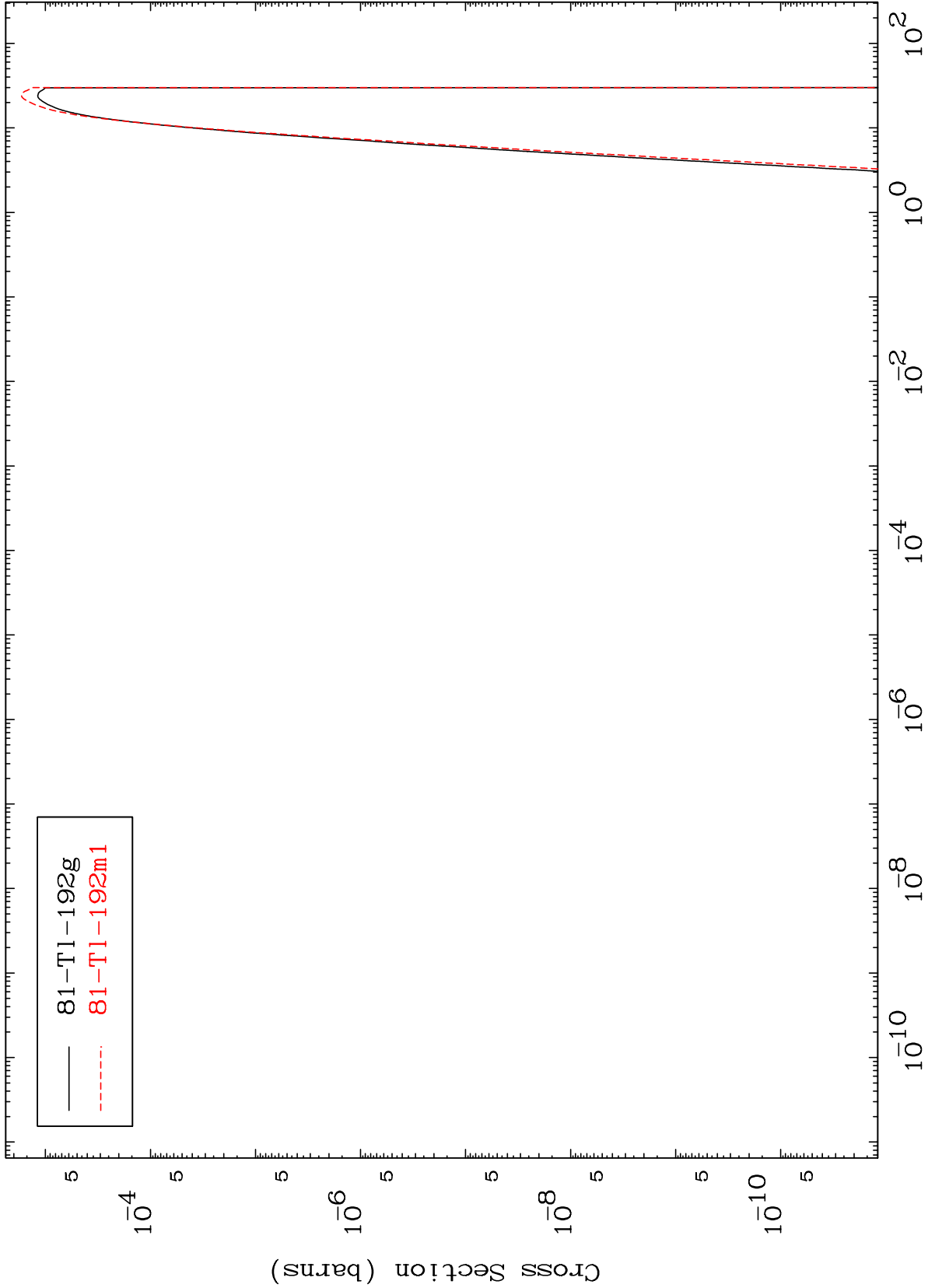
83-Bi-193

MAT 8277

(n,2p)

83-Bi-193

Radionuclide Production Cross Section

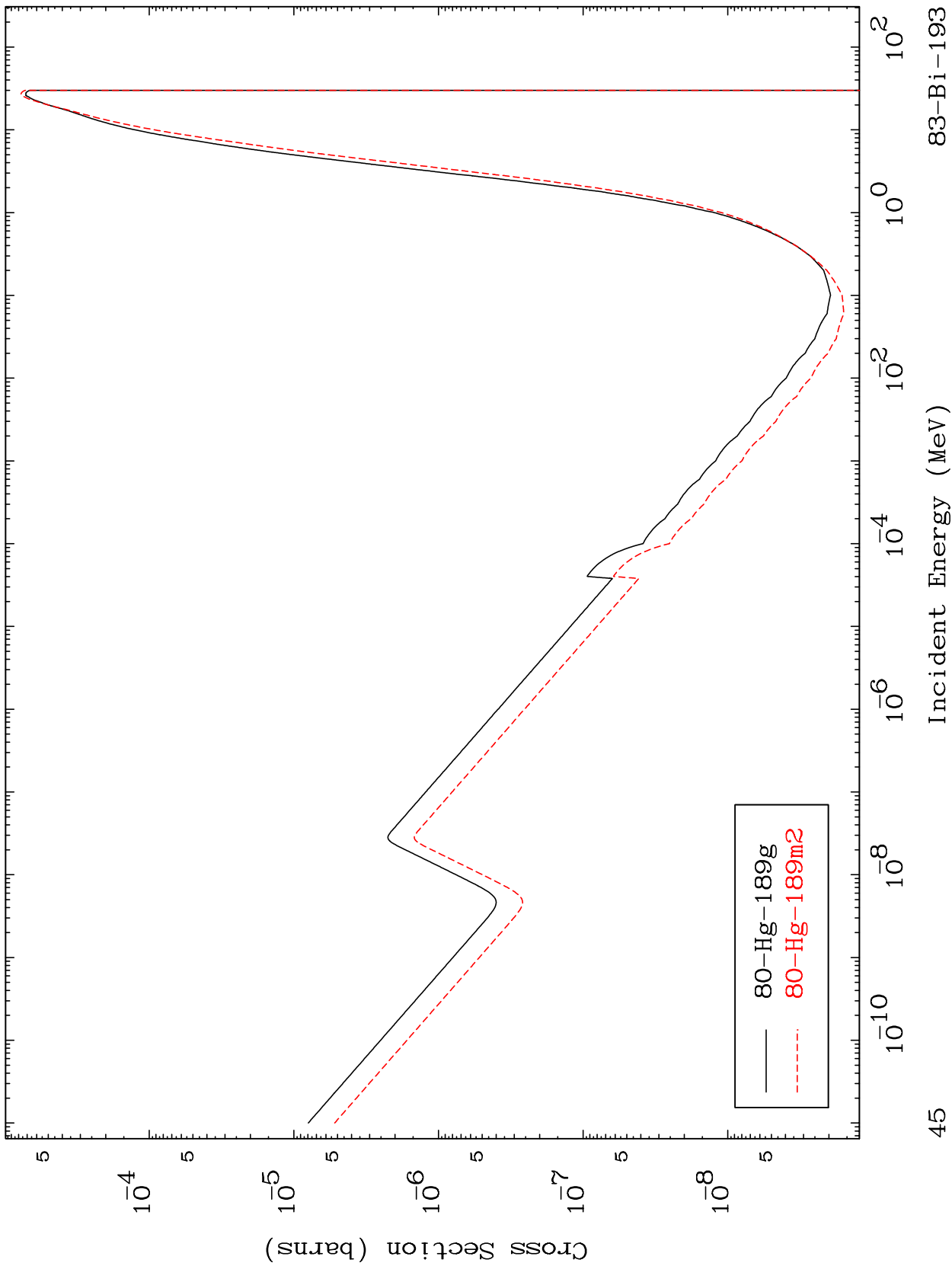


MAT 8277

(n,p) α

83-Bi-193

Radionuclide Production Cross Section

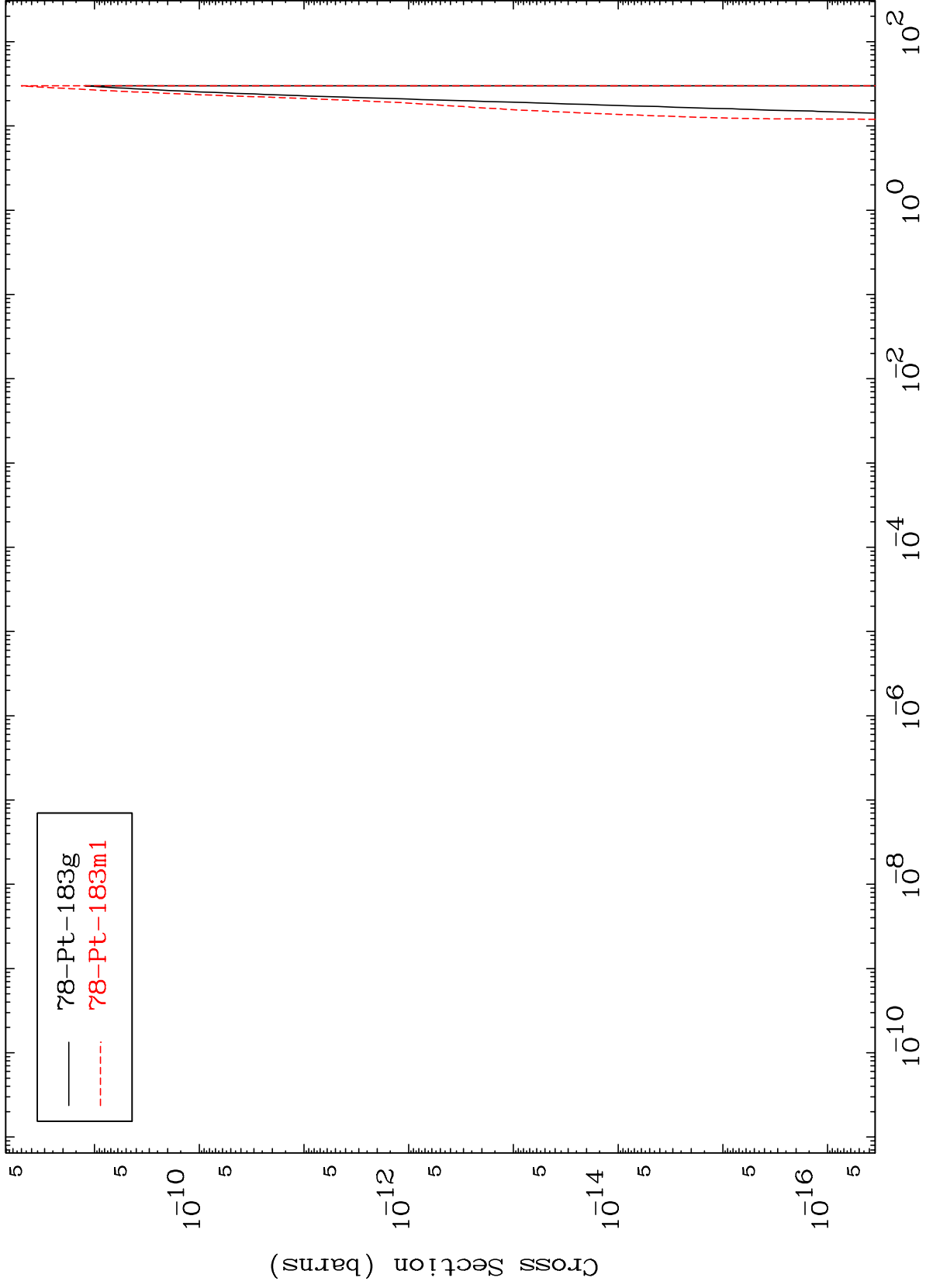


MAT 8277

(n,t) 2 α

83-Bi-193

Radionuclide Production Cross Section



46

Incident Energy (MeV)

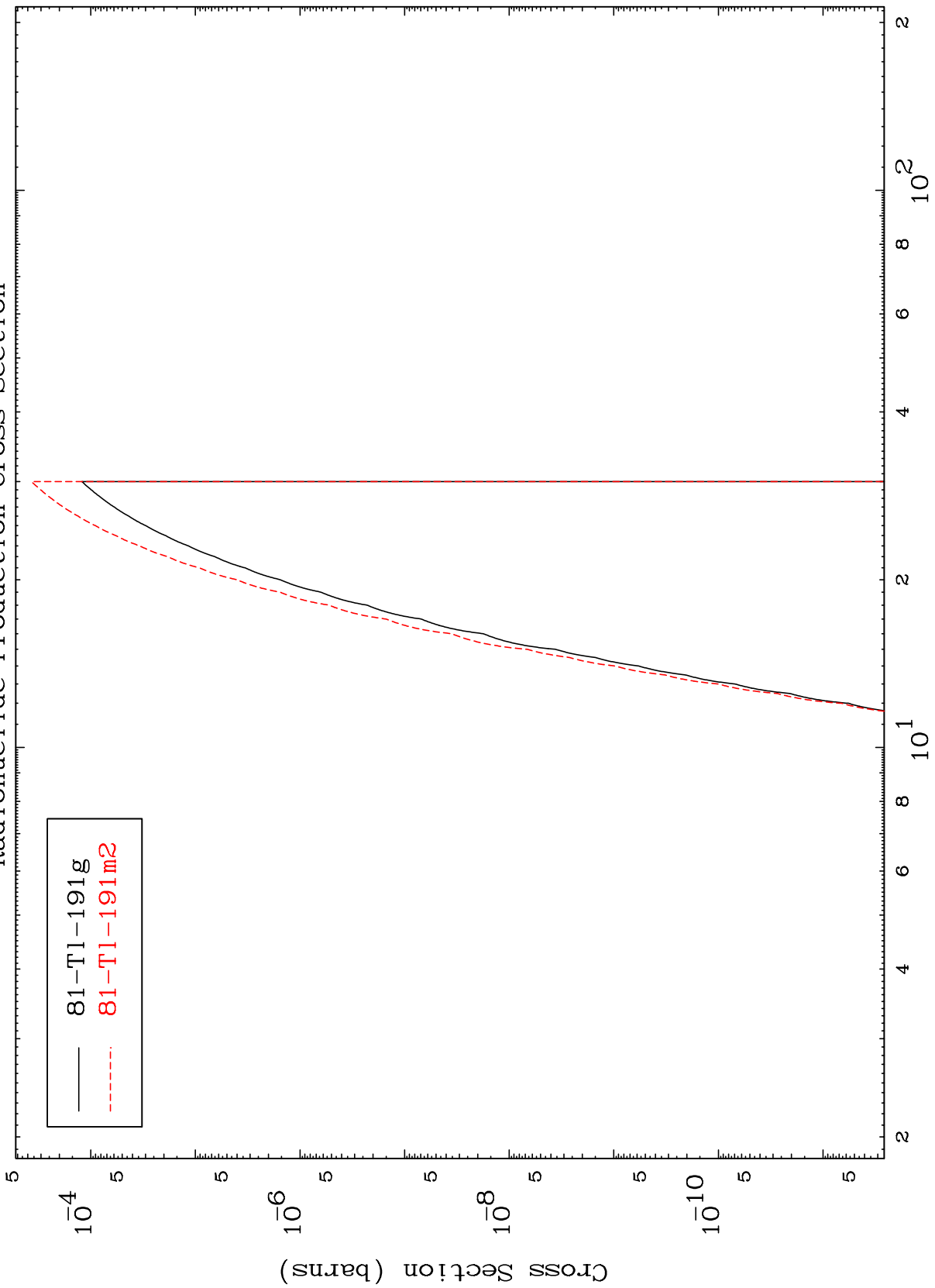
83-Bi-193

MAT 8277

(n,p) d

83-Bi-193

Radionuclide Production Cross Section



47

Incident Energy (MeV)

83-Bi-193