

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

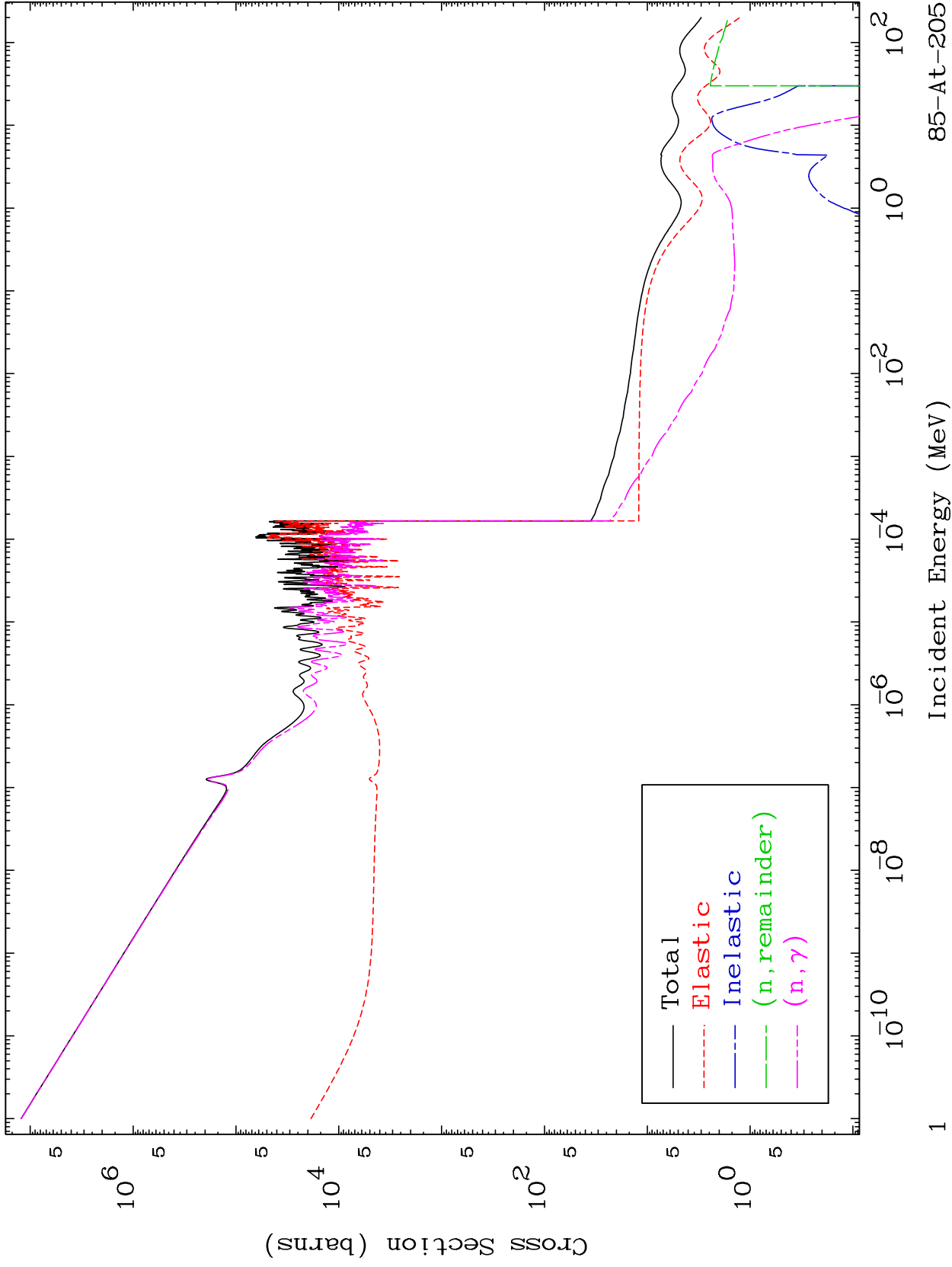
Press Mouse Button to Start

MAT 8531

Major

293 Kelvin Cross Sections

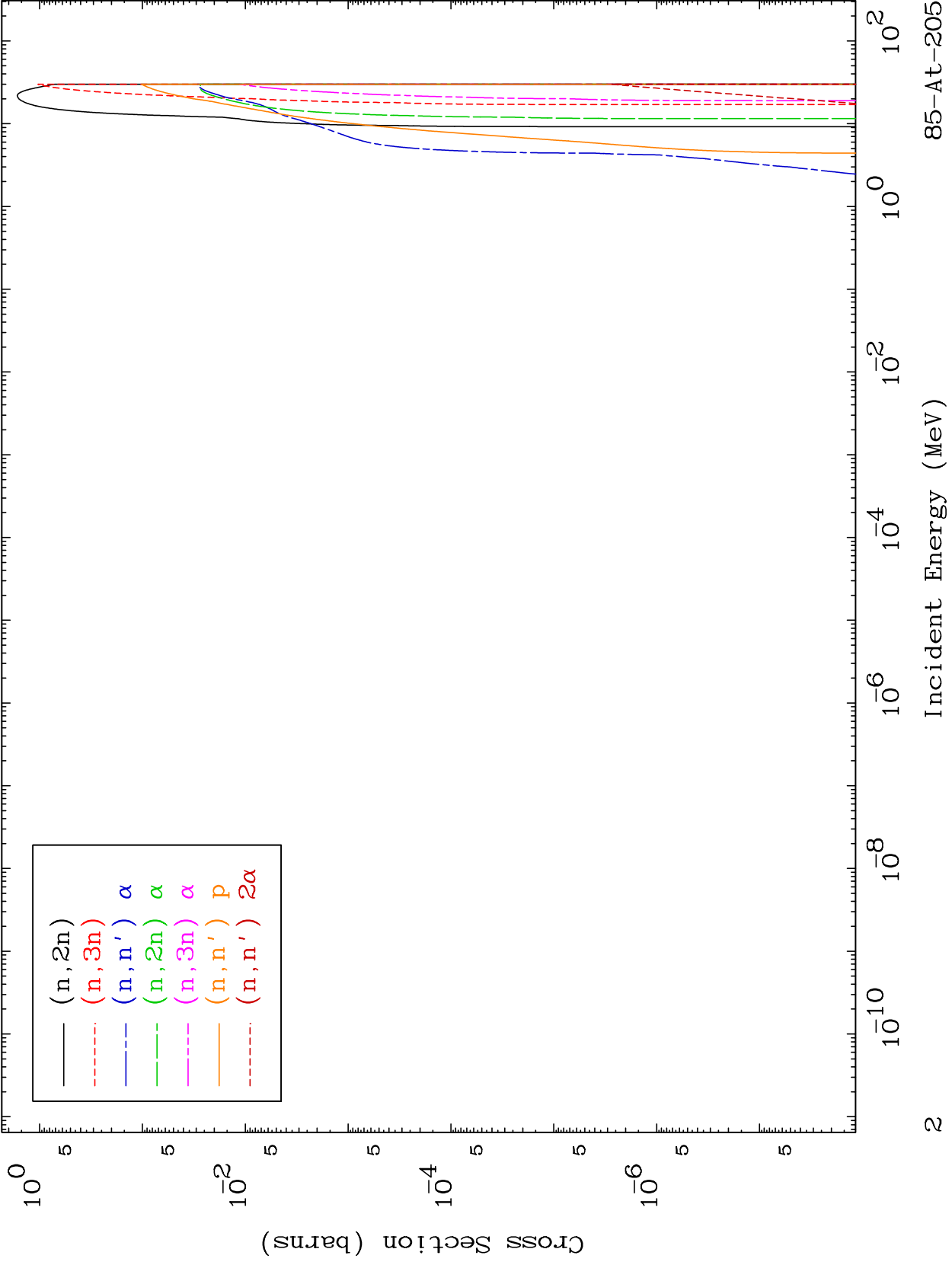
85-At-205



MAT 8531

Neutron Production
293 Kelvin Cross Sections

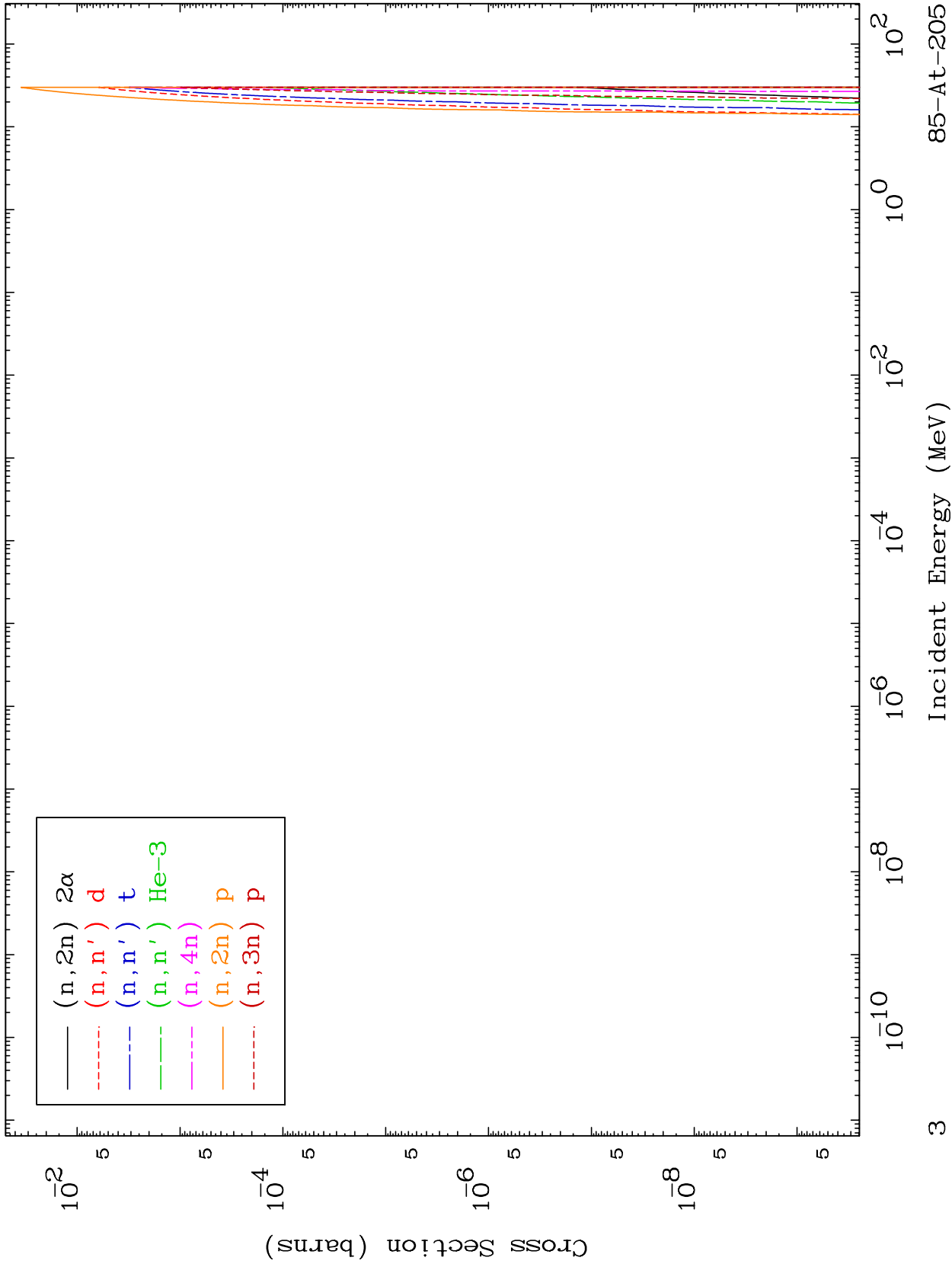
85-At-205



MAT 8531

Neutron Production
293 Kelvin Cross Sections

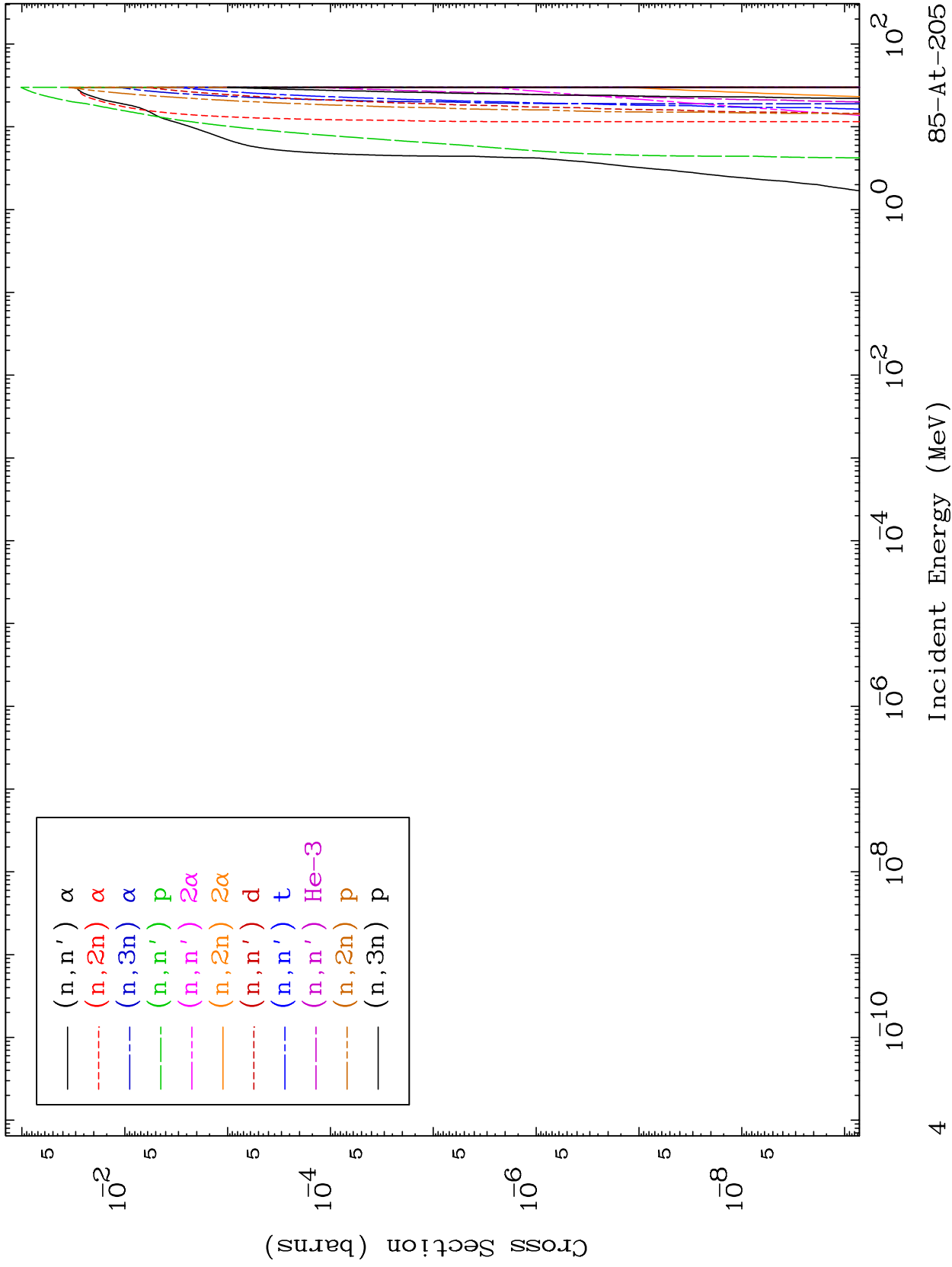
85-At-205

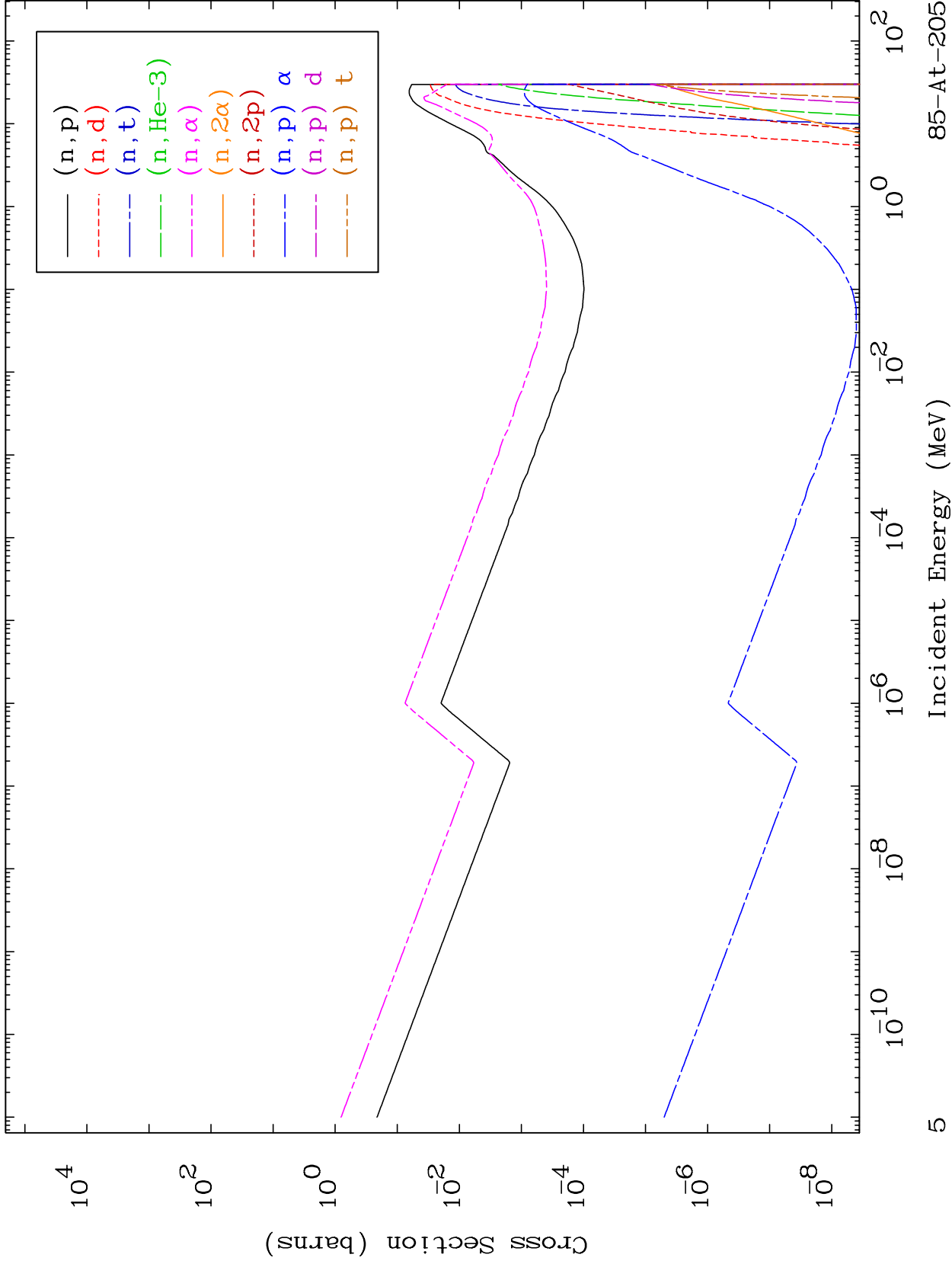


MAT 8531

Charged Particle
293 Kelvin Cross Sections

85-At-205

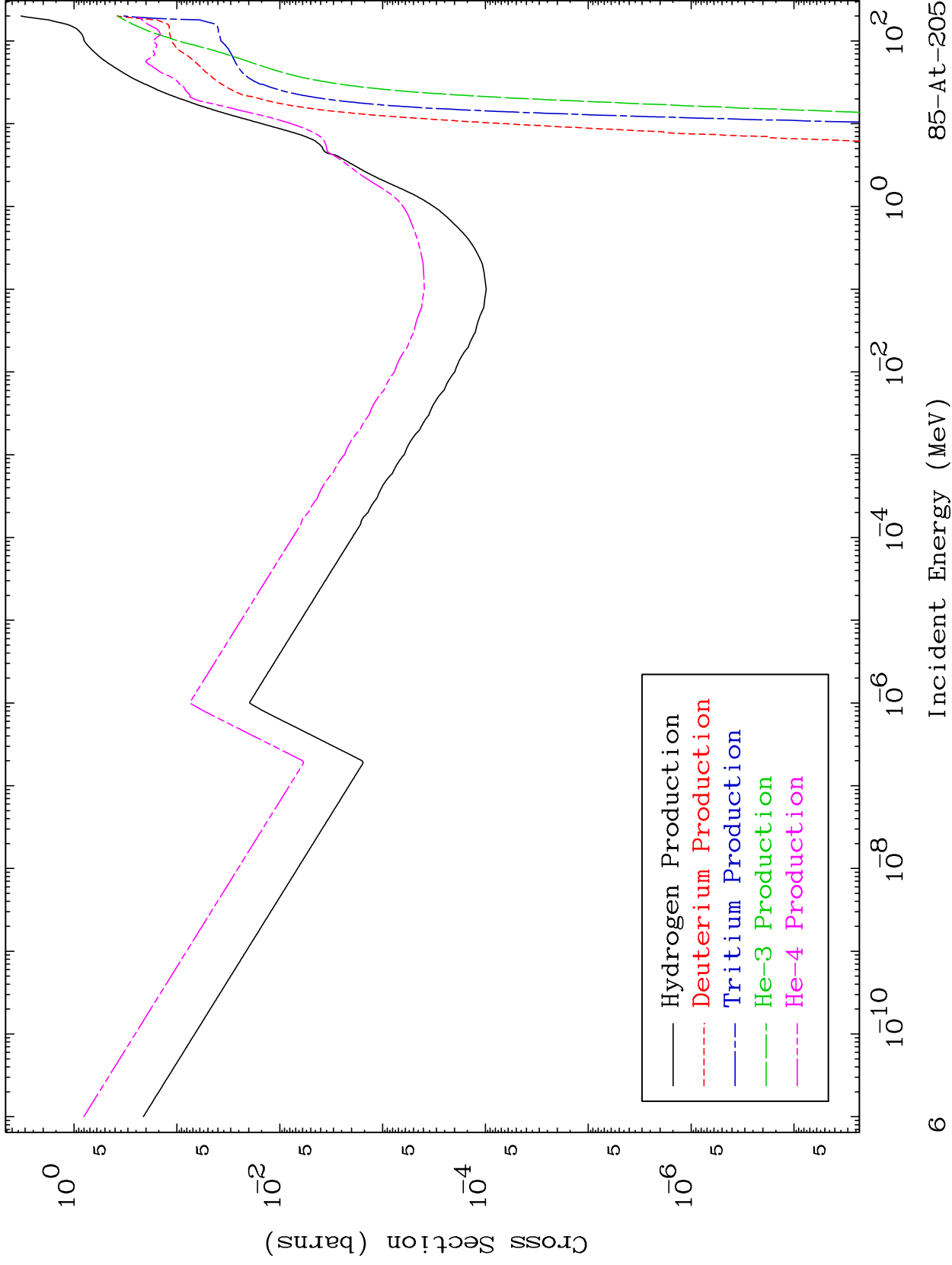




MAT 8531

Particle Production
293 Kelvin Cross Sections

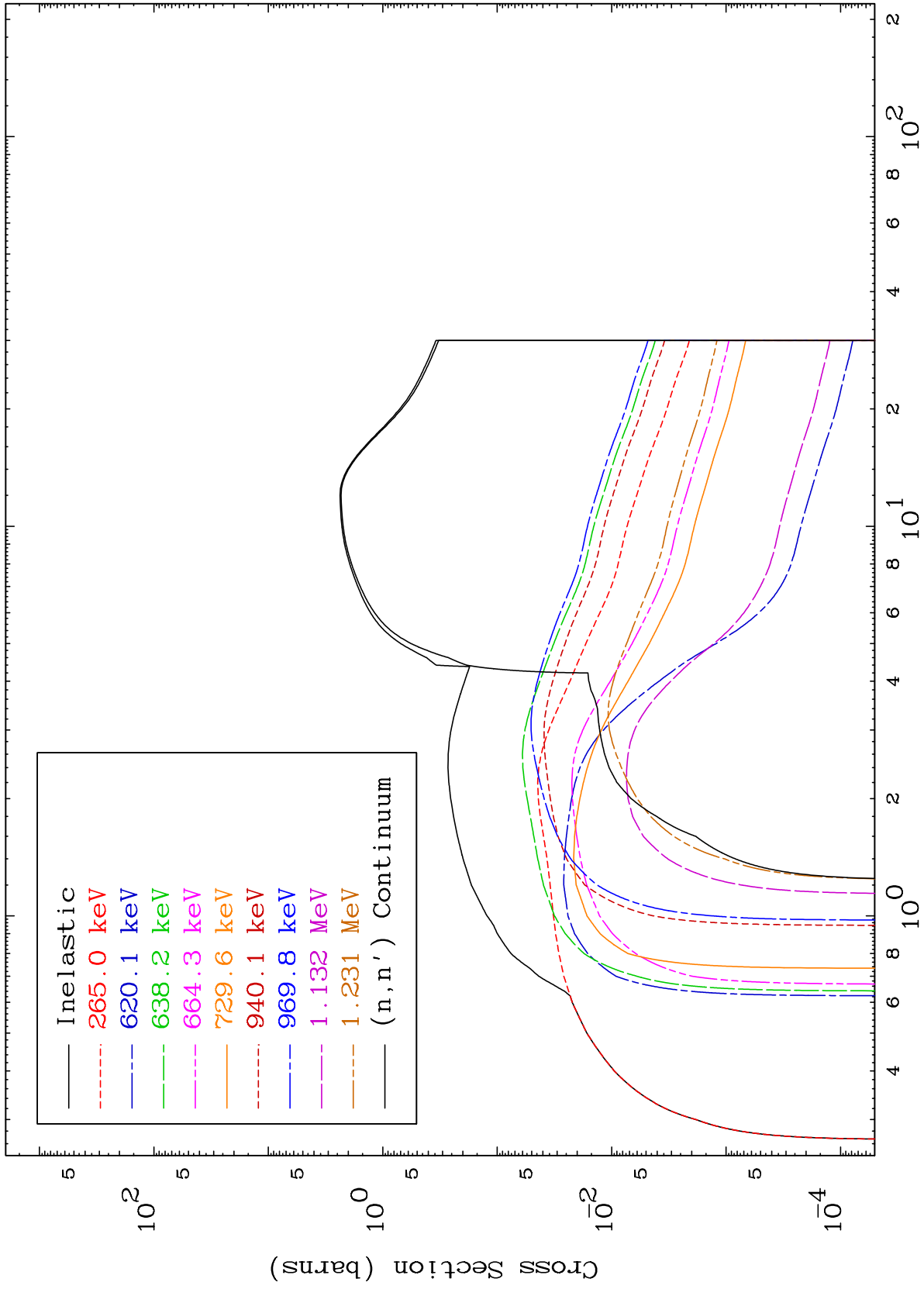
85-At-205



MAT 8531

(n,n') Level
293 Kelvin Cross Sections

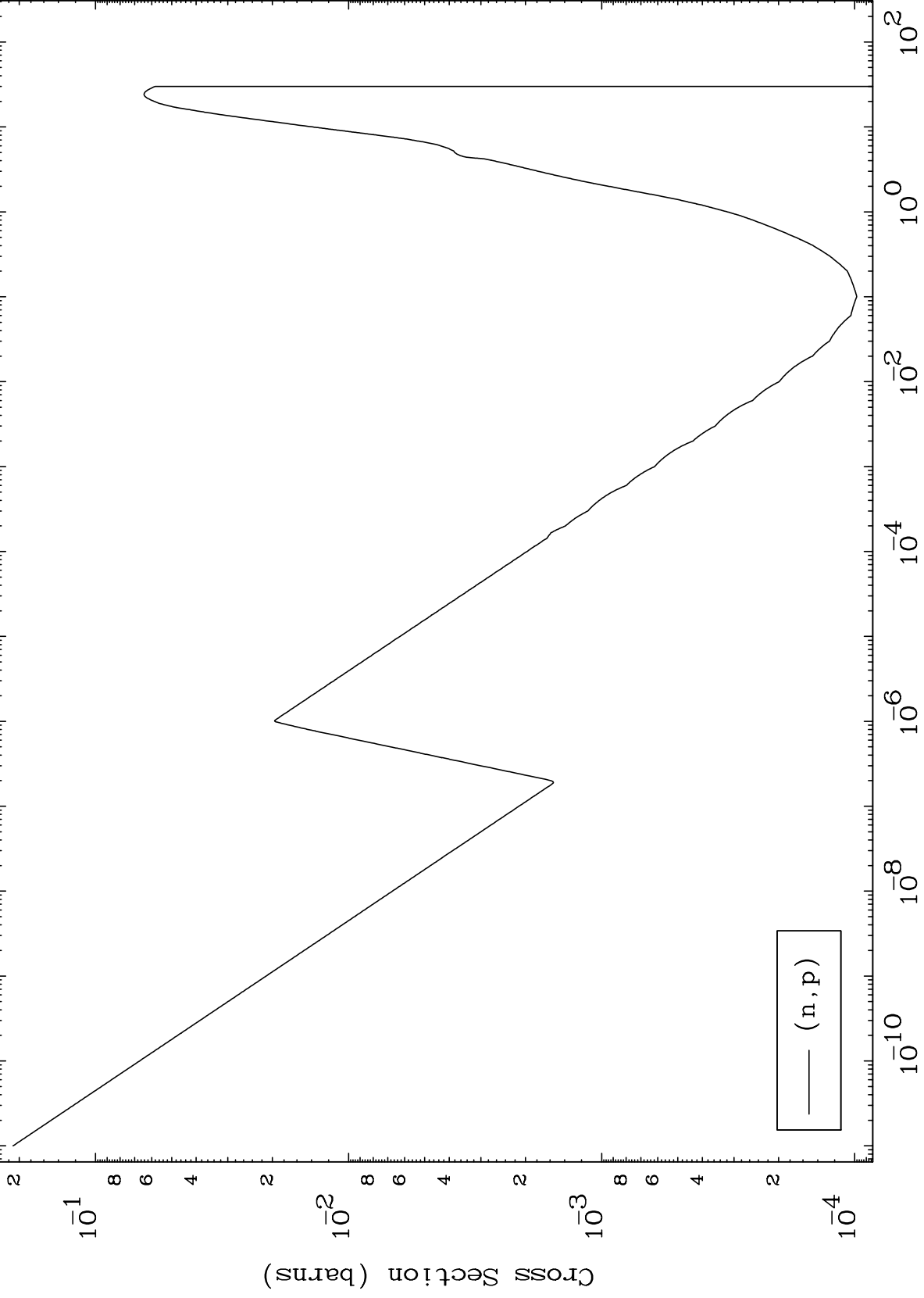
85-At-205



MAT 8531

(n,p) Levels
293 Kelvin Cross Sections

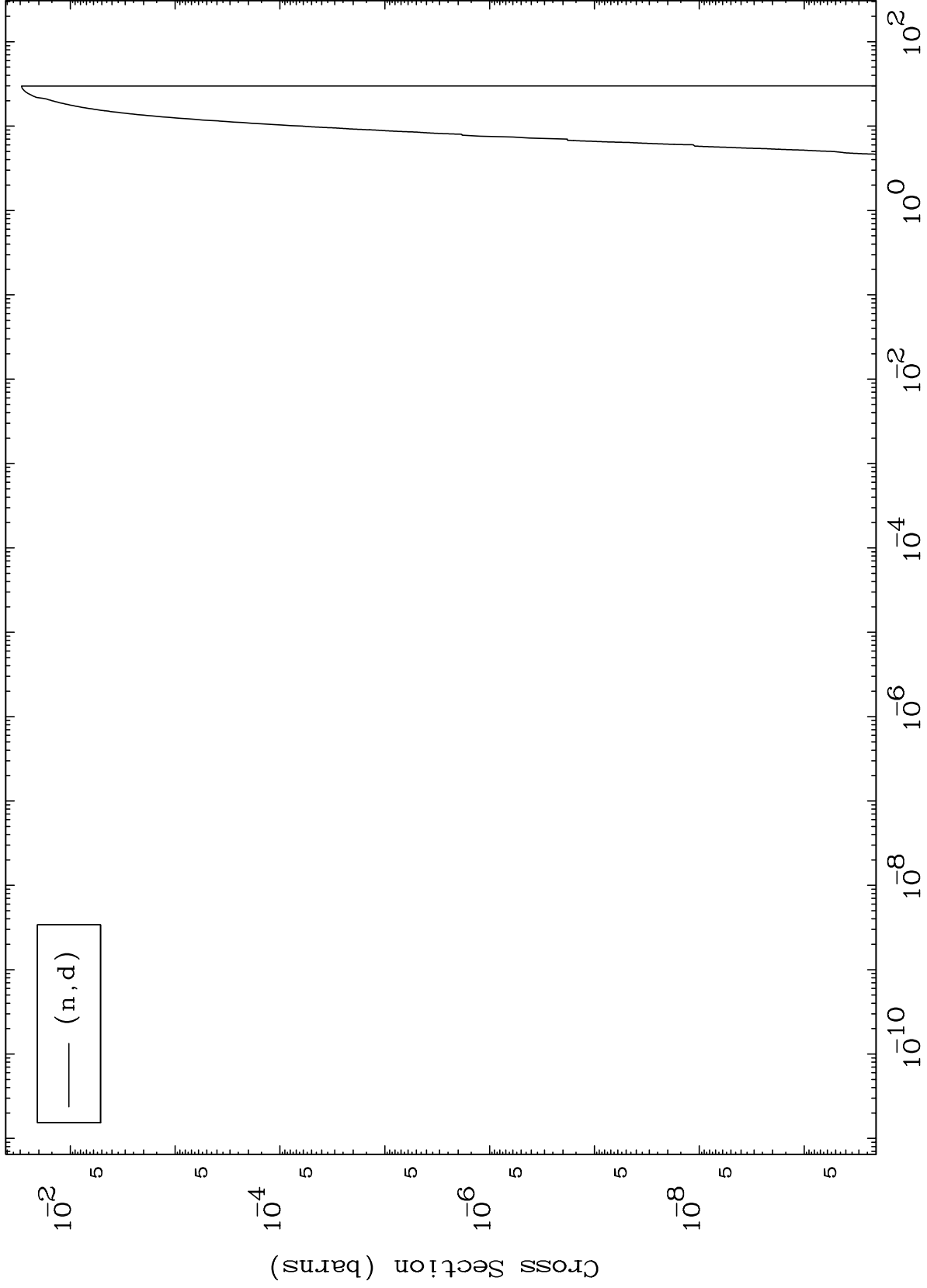
85-At-205



MAT 8531

(n,d) Levels
293 Kelvin Cross Sections

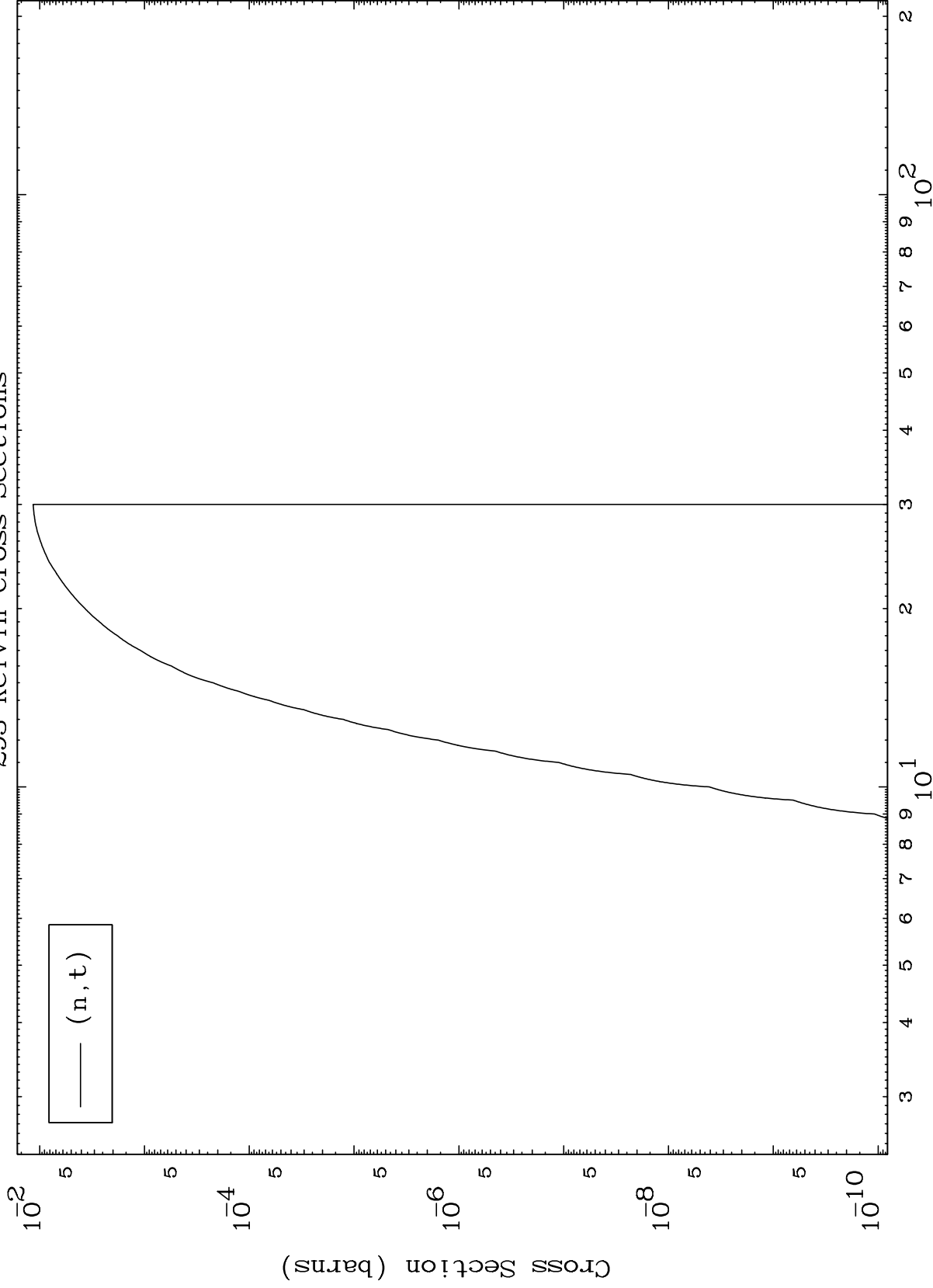
85-At-205



MAT 8531

(n,t) Levels
293 Kelvin Cross Sections

85-At-205



10

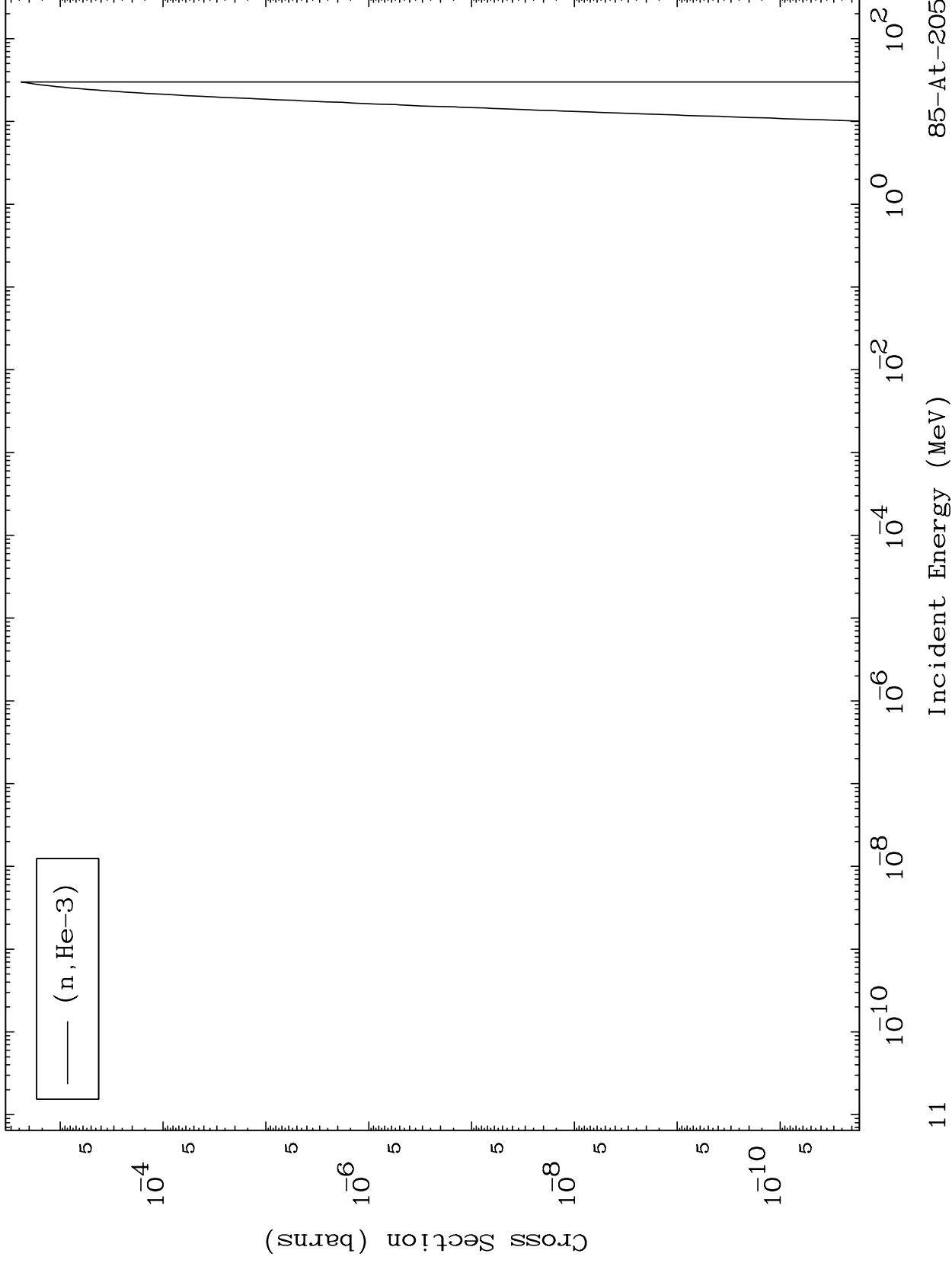
Incident Energy (MeV)

85-At-205

MAT 8531

(n,He3) Levels
293 Kelvin Cross Sections

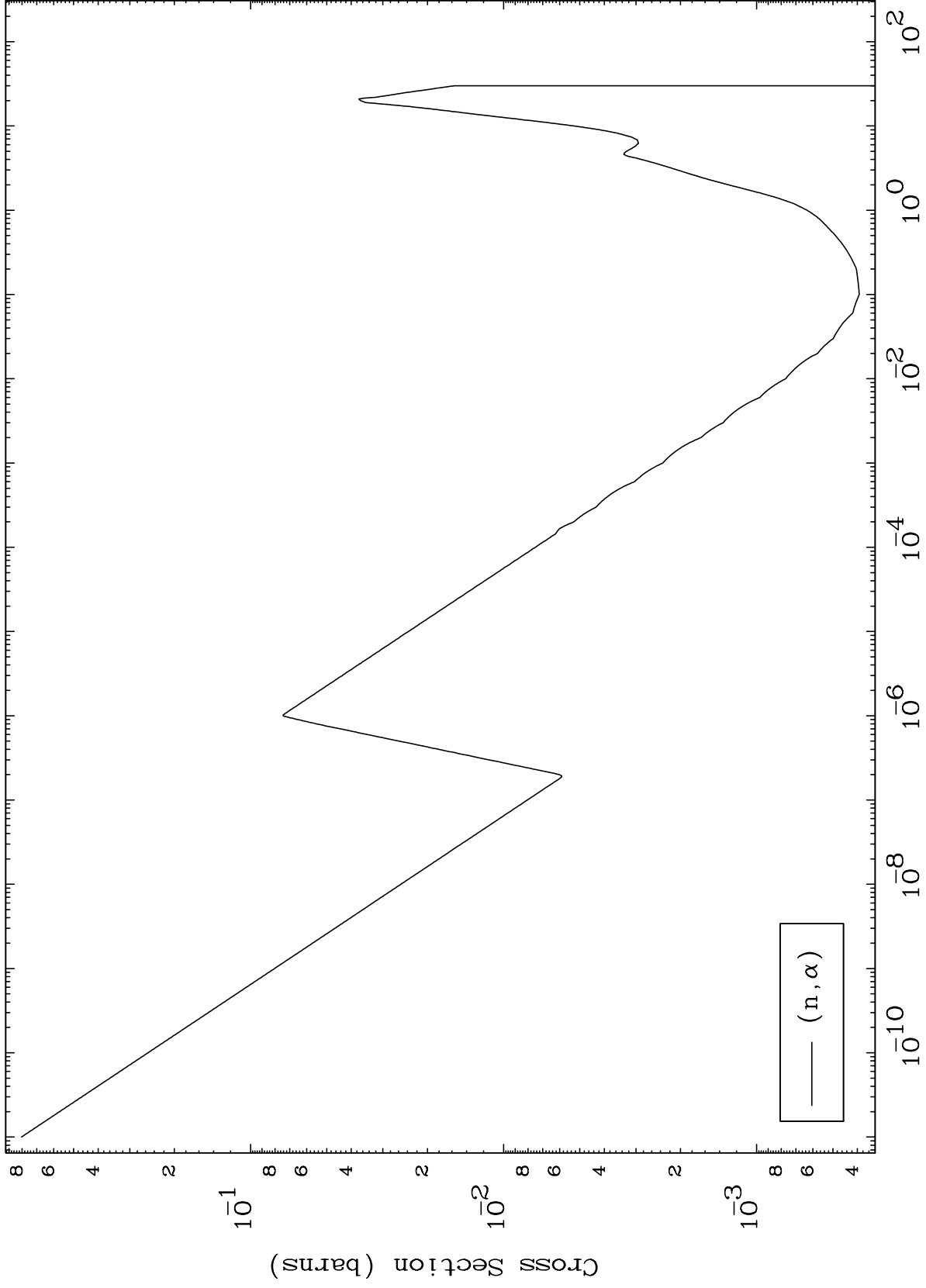
85-At-205



MAT 8531

(n,α) Levels
293 Kelvin Cross Sections

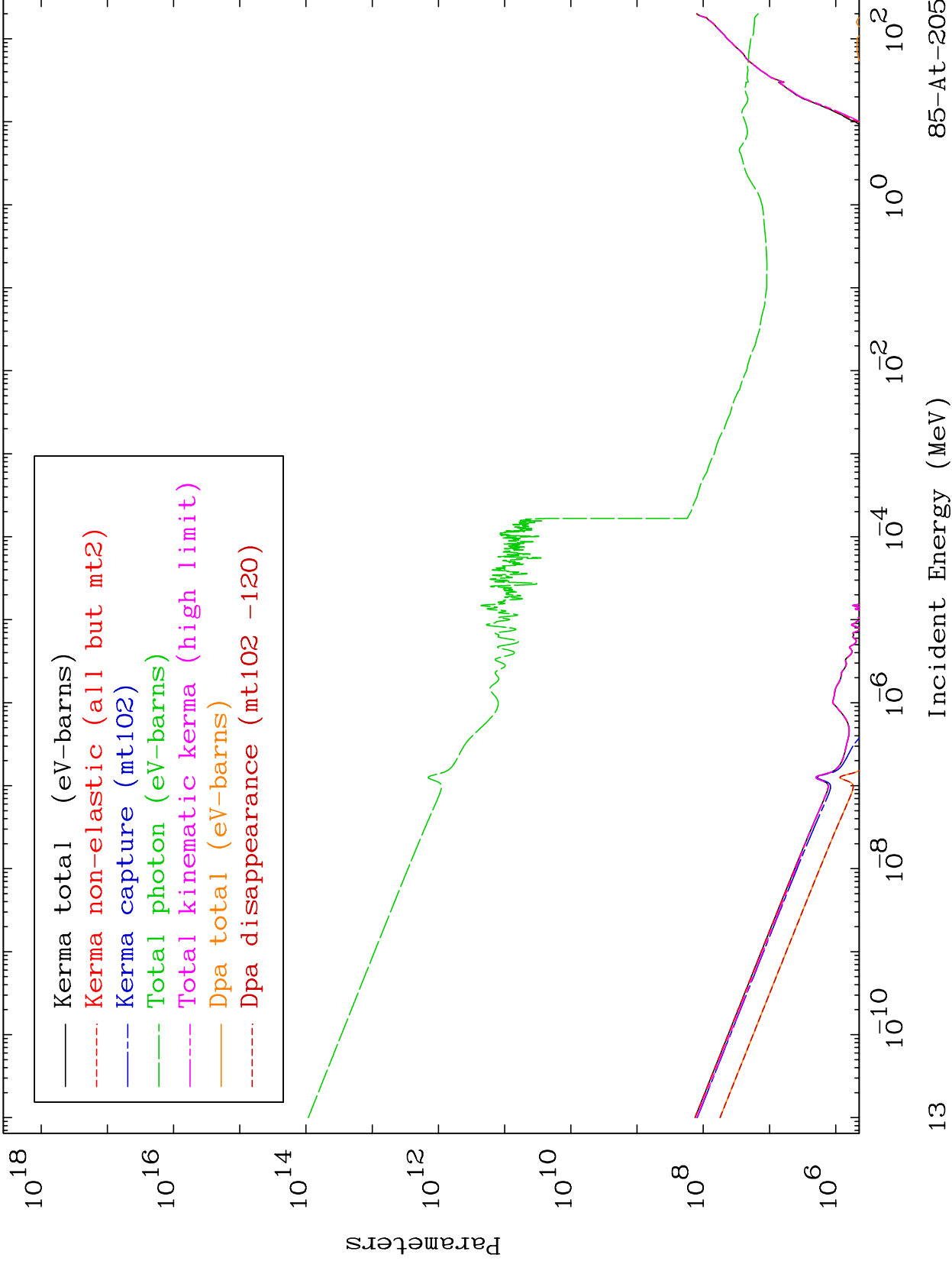
85-At-205

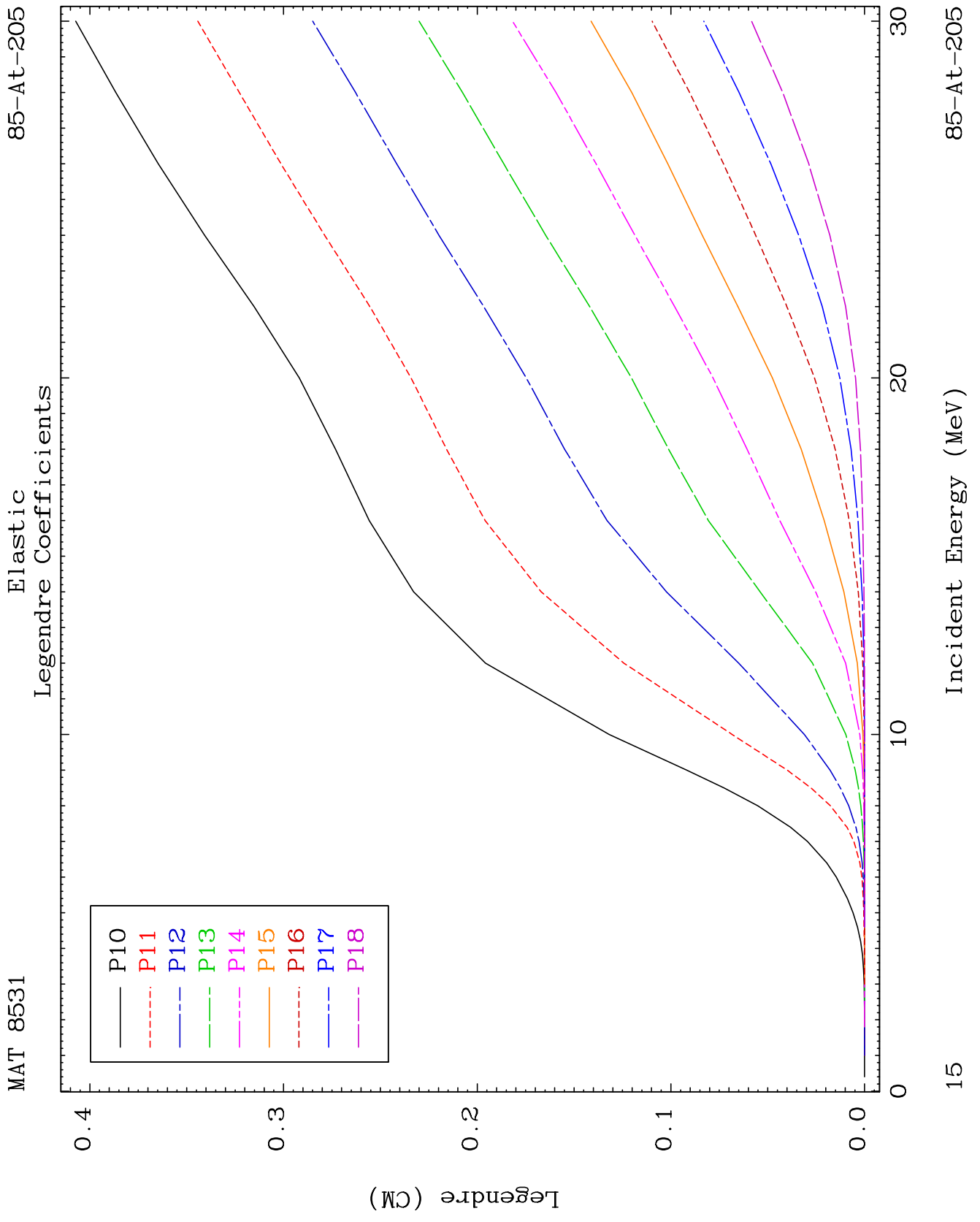


12

Incident Energy (MeV)

85-At-205

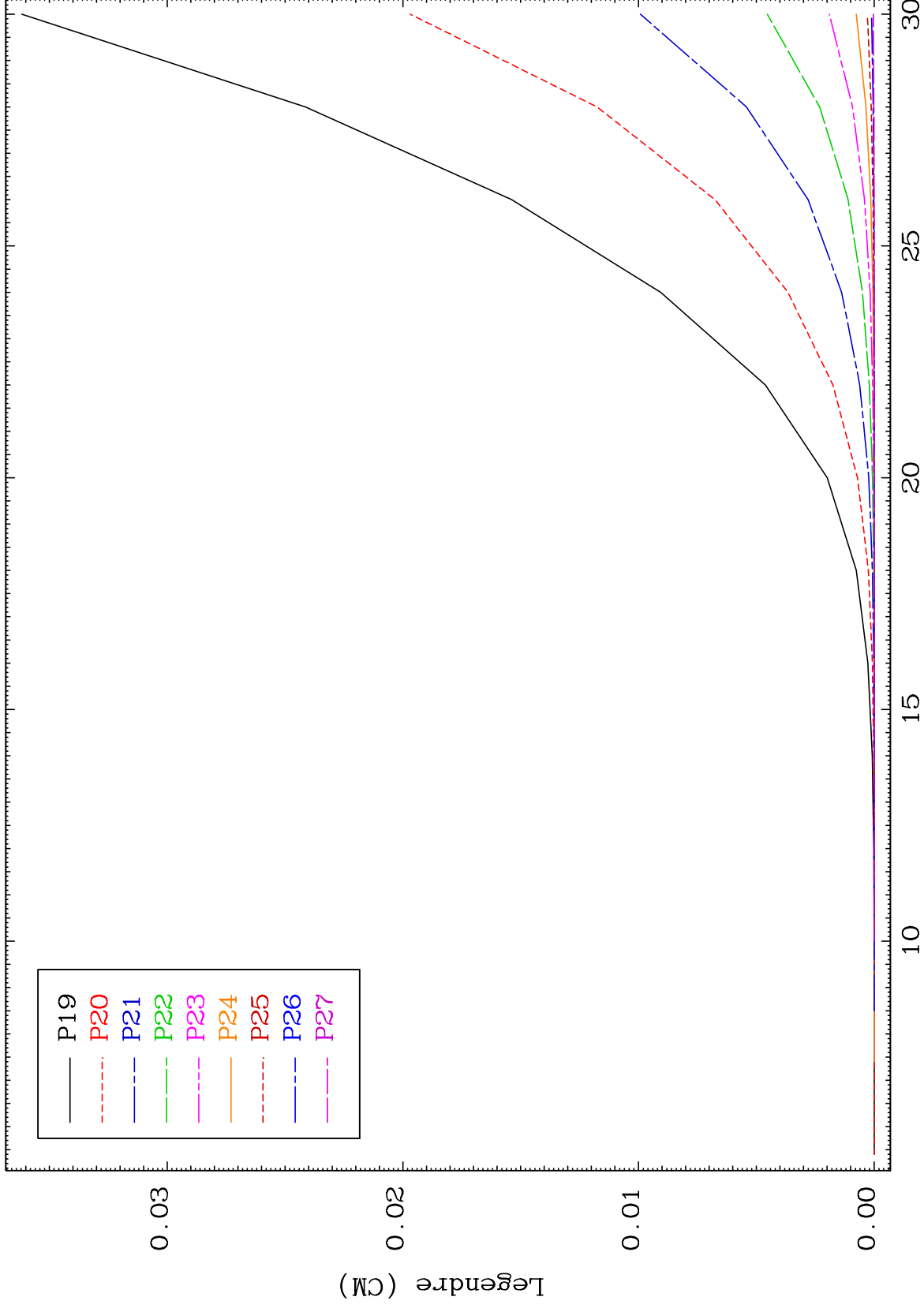




MAT 8531

Elastic
Legendre Coefficients

85-At-205



16

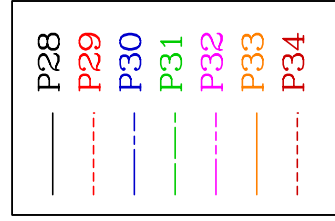
Incident Energy (MeV)

85-At-205

MAT 8531

Elastic
Legendre Coefficients

85-At-205



$\times 10^{-5}$

1.2

Legendre (CM)

0.8

0.4

0.0

15

20

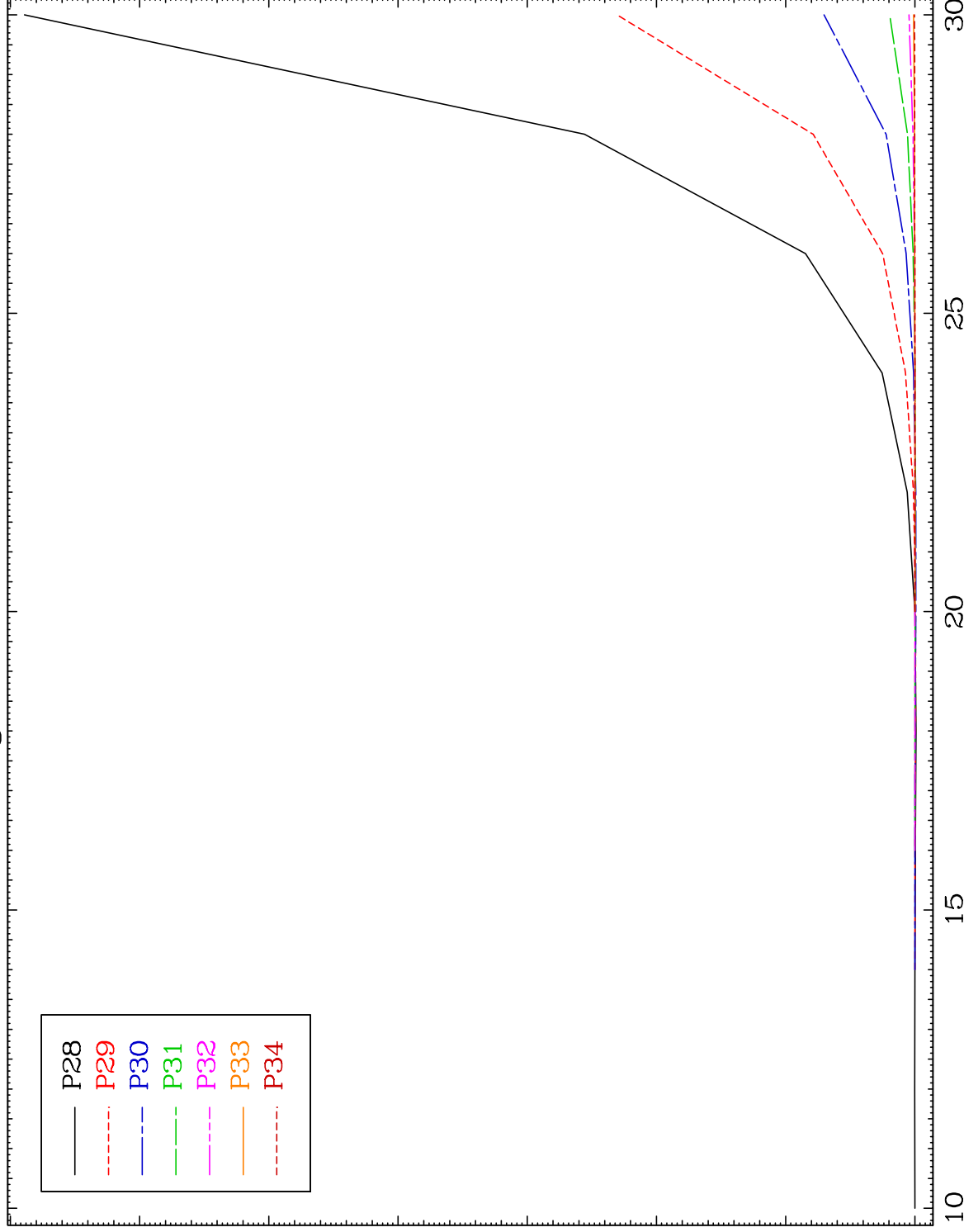
25

30

17

Incident Energy (MeV)

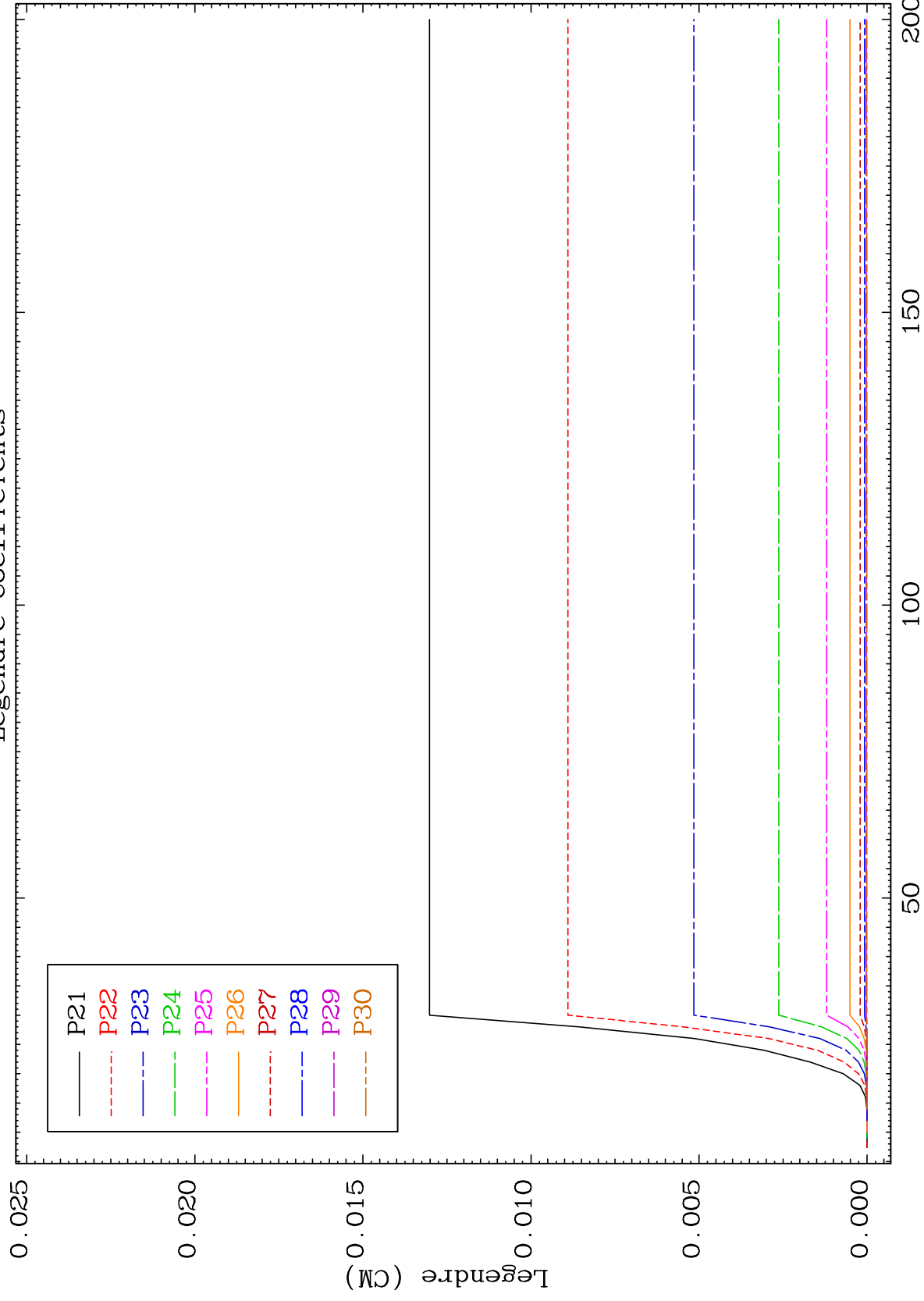
85-At-205



MAT 8531

265.0 keV (n,n') Level
Legendre Coefficients

85-At-205



20

Incident Energy (MeV)

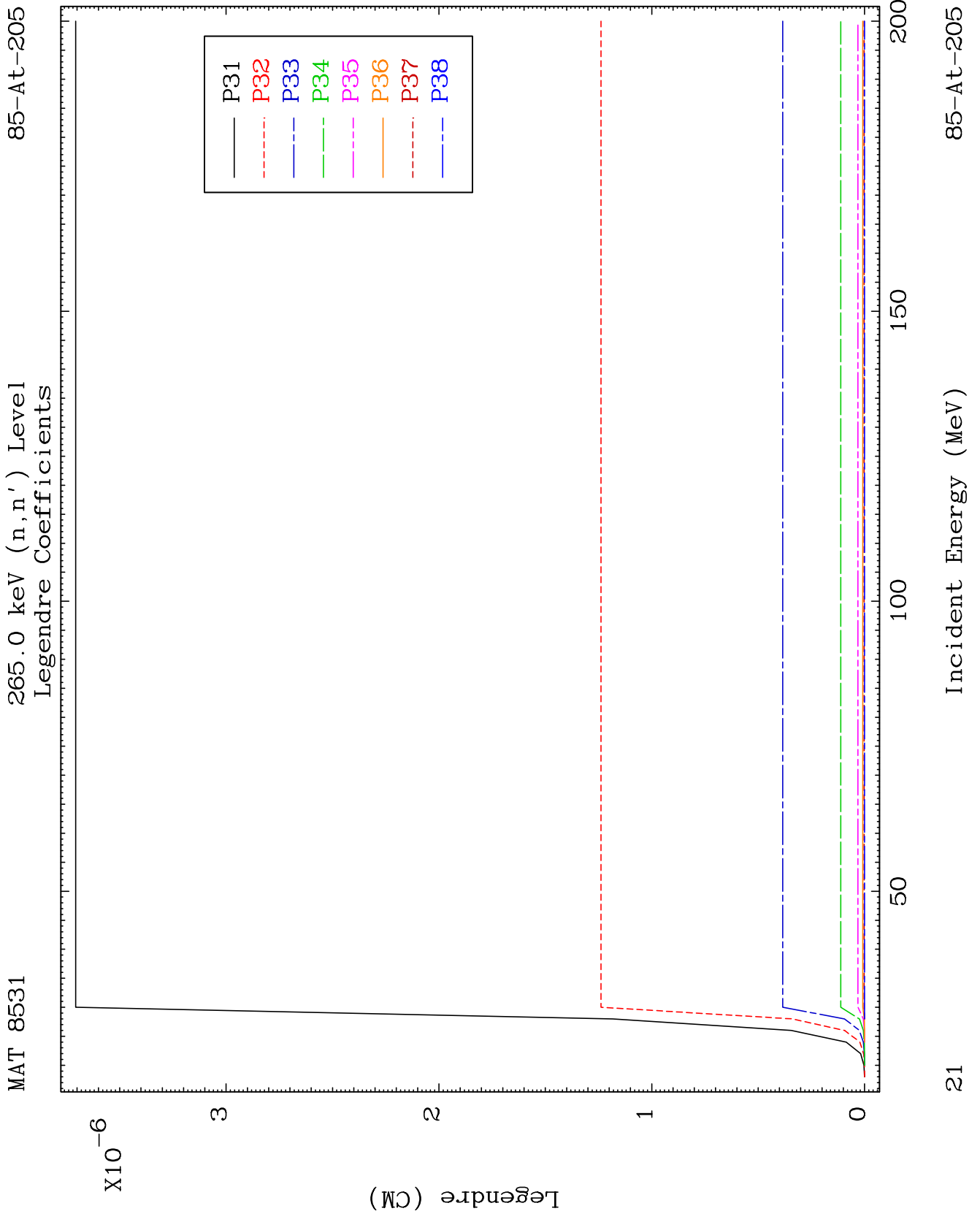
50

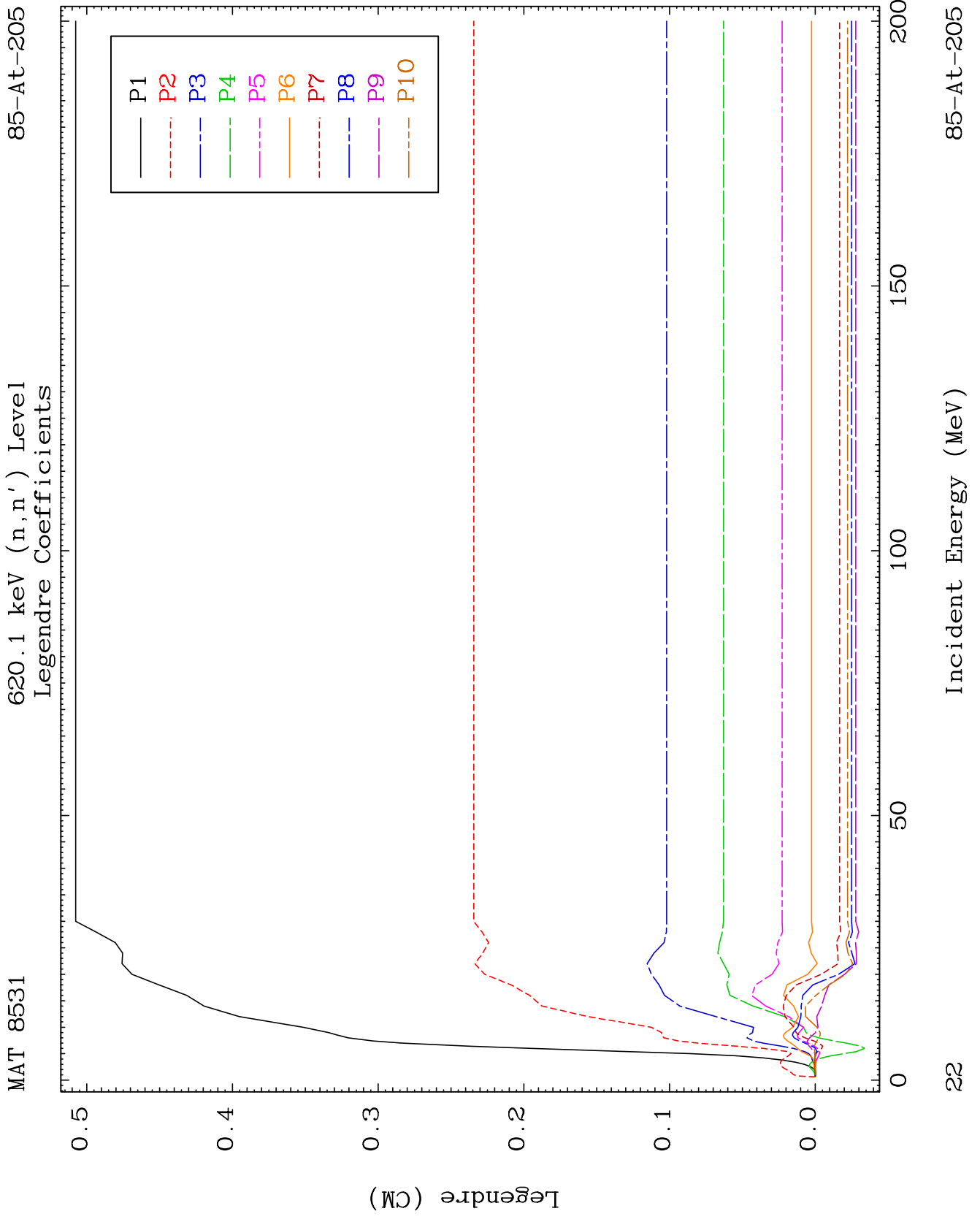
100

150

200

85-At-205

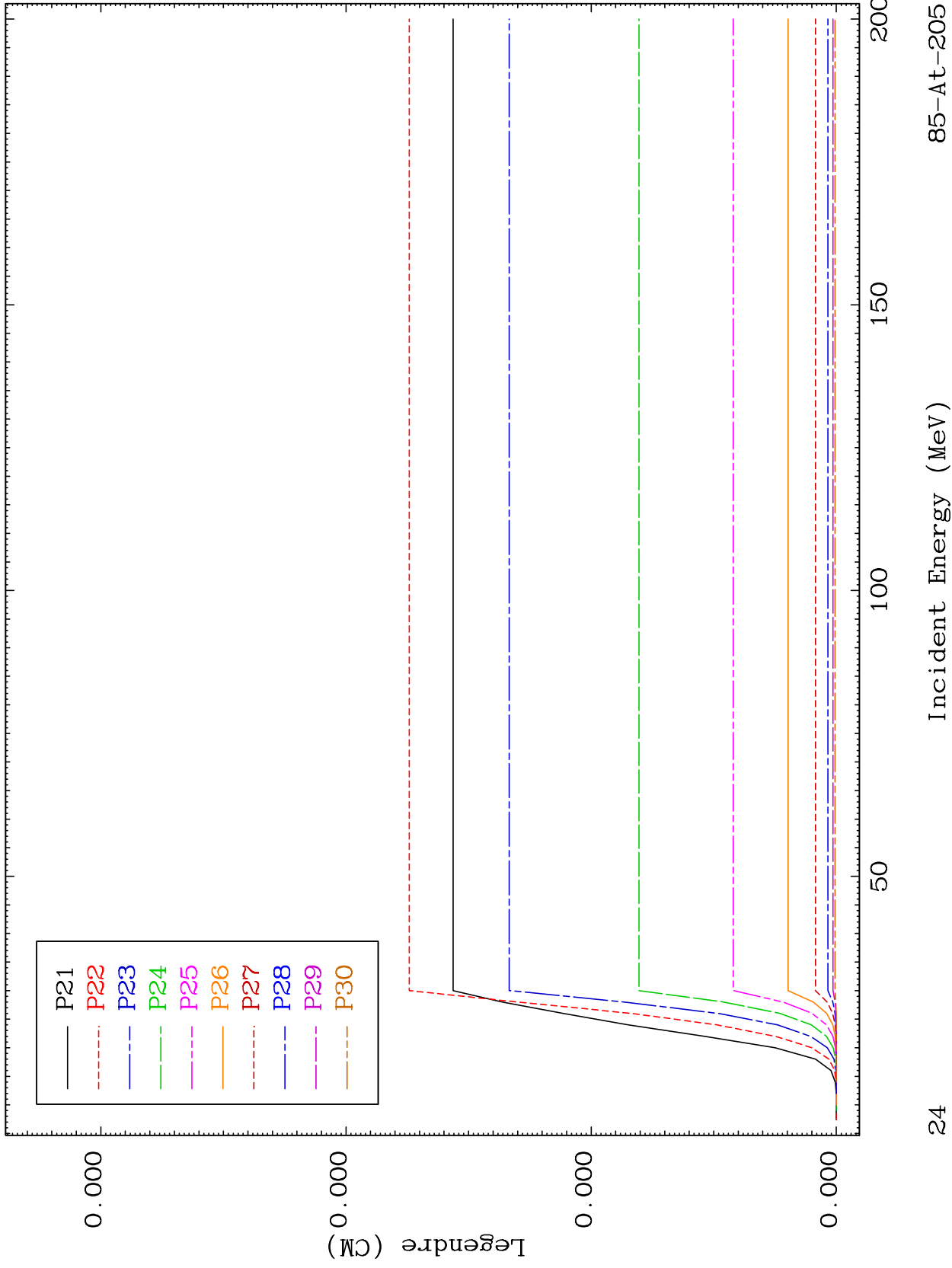


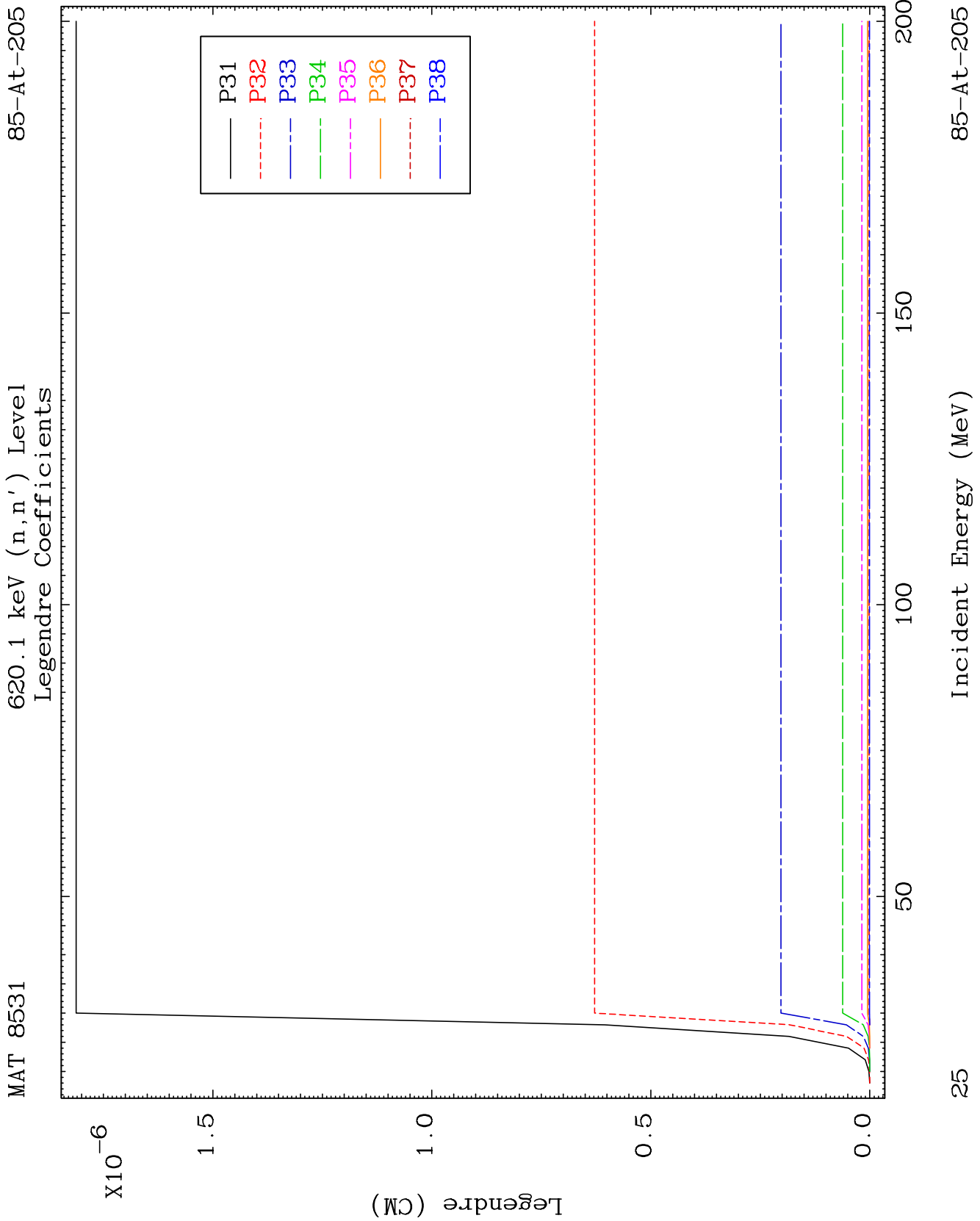


MAT 8531

620.1 keV (n,n') Level
Legendre Coefficients

85-At-205

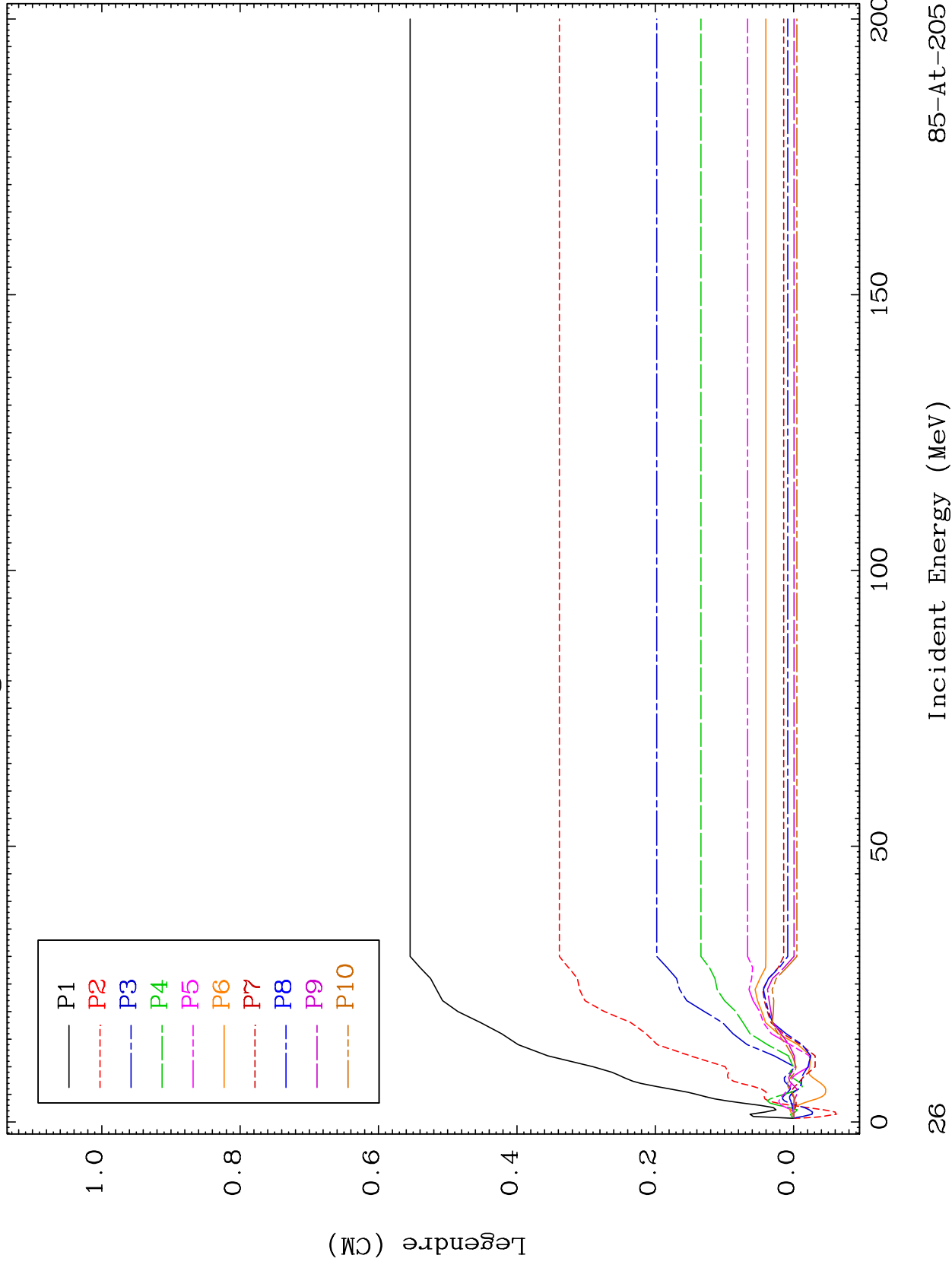




MAT 8531

638.2 keV (n,n') Level
Legendre Coefficients

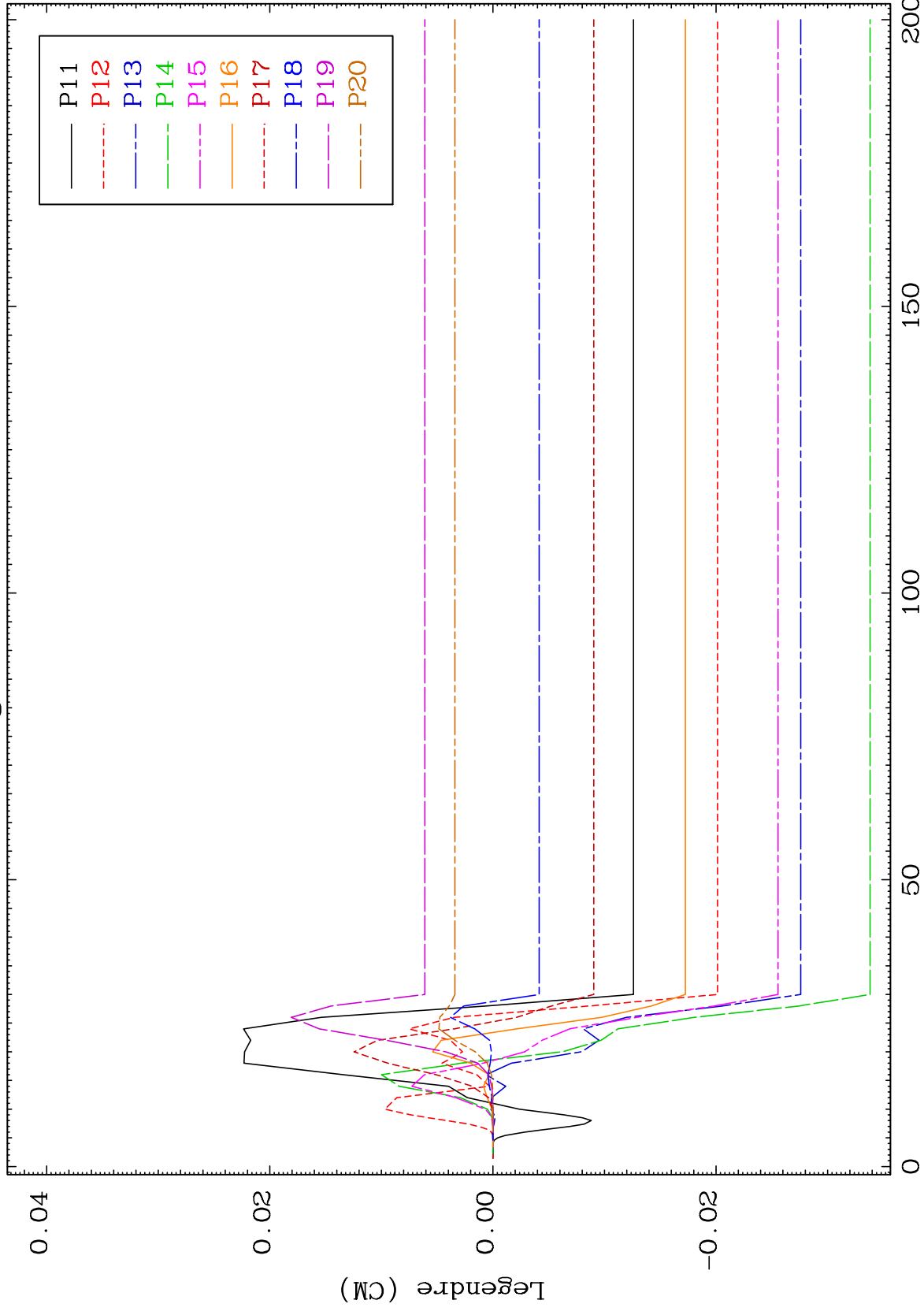
85-At-205



MAT 8531

638.2 keV (n,n') Level
Legendre Coefficients

85-At-205



27

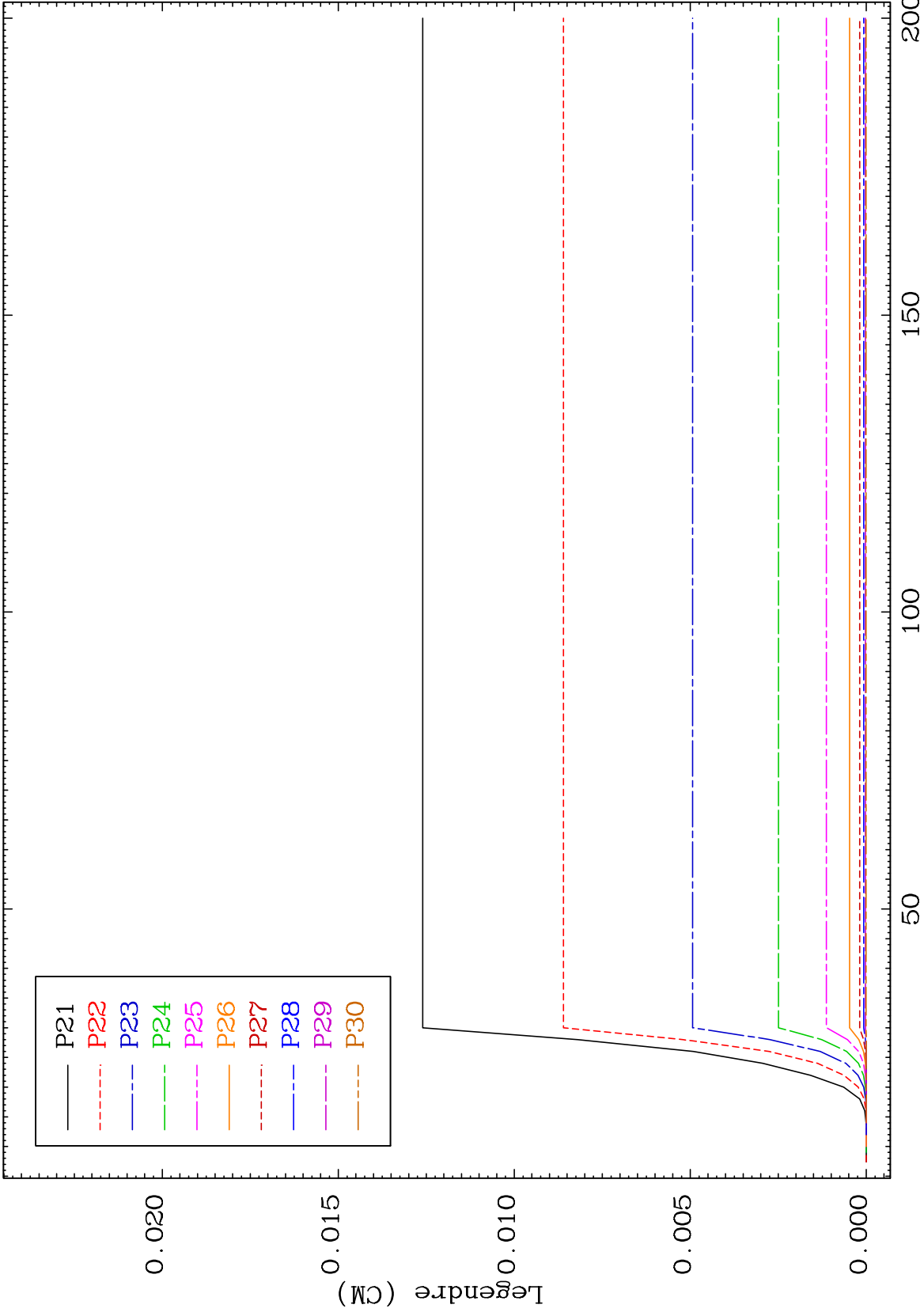
Incident Energy (MeV)

85-At-205

MAT 8531

638.2 keV (n,n') Level
Legendre Coefficients

85-At-205



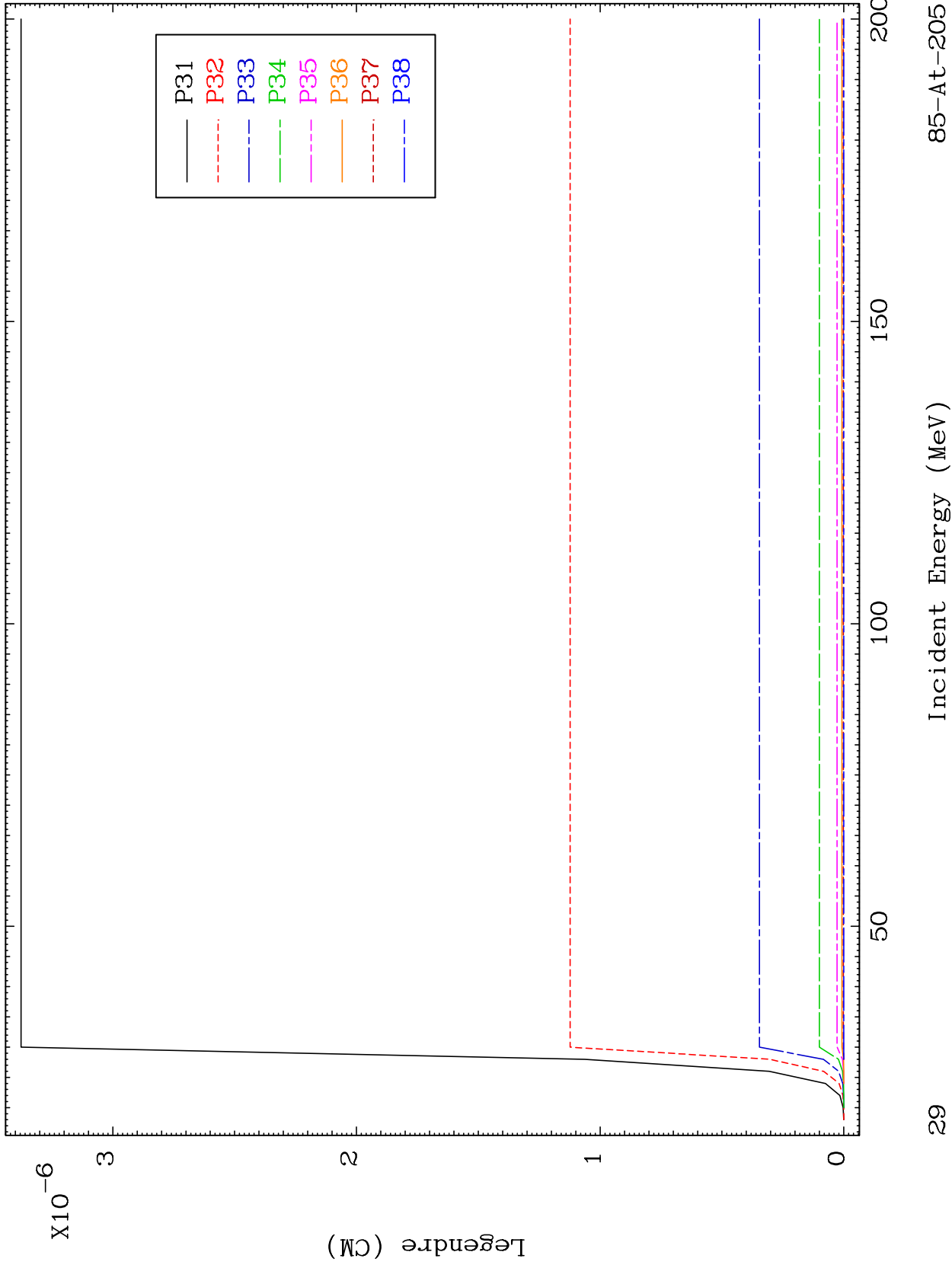
28

85-At-205

MAT 8531

638.2 keV (n,n') Level
Legendre Coefficients

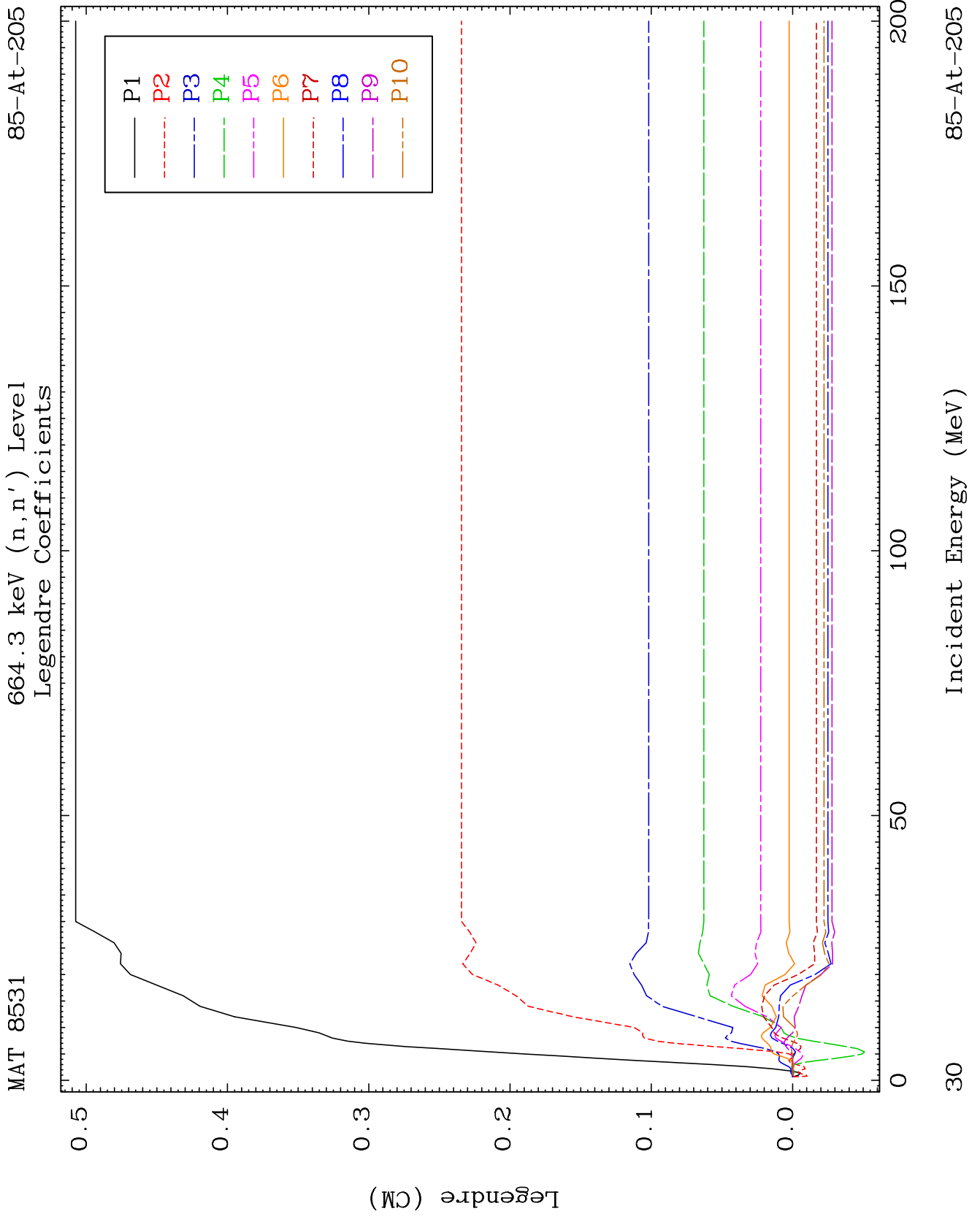
85-At-205

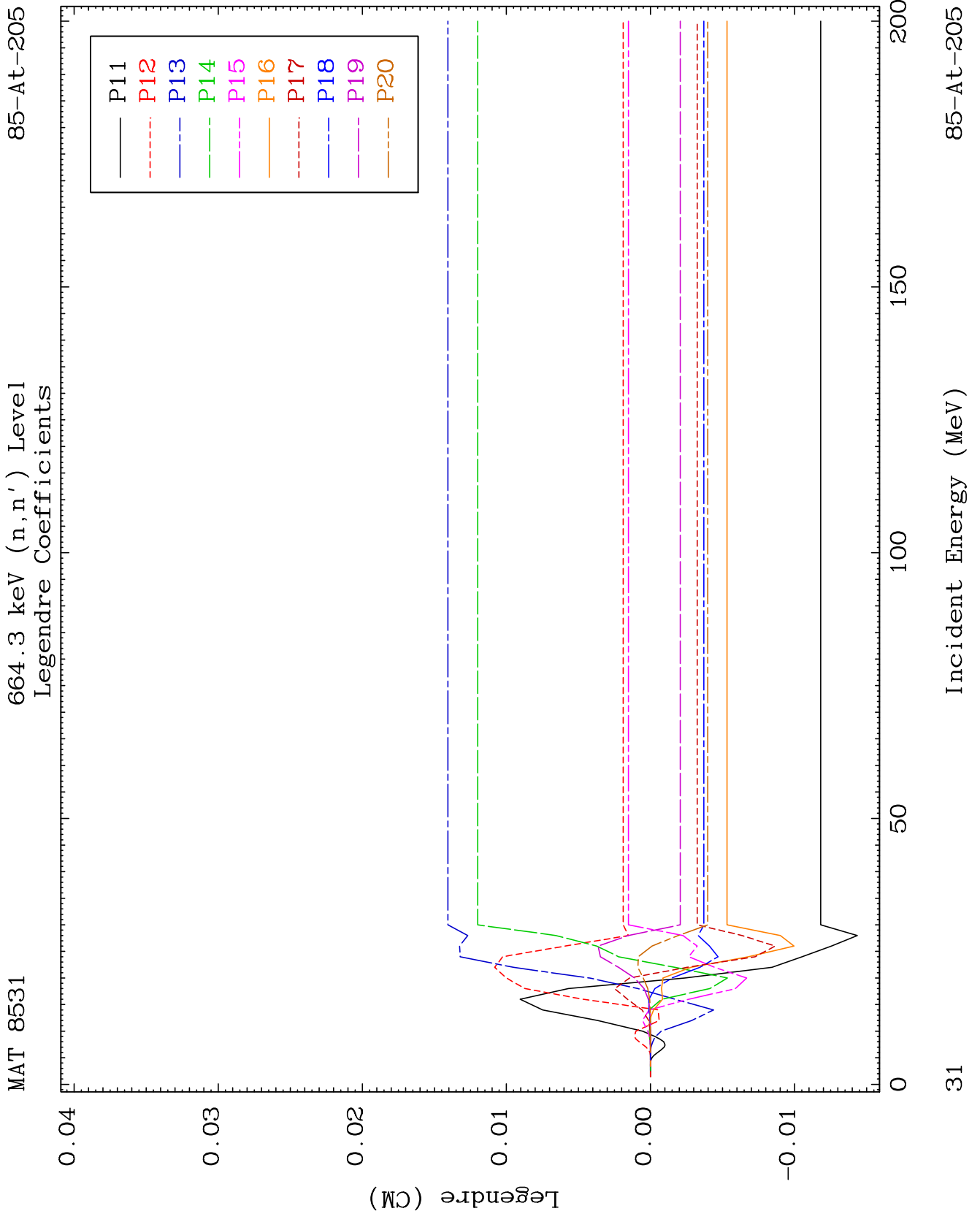


29

Incident Energy (MeV)

85-At-205

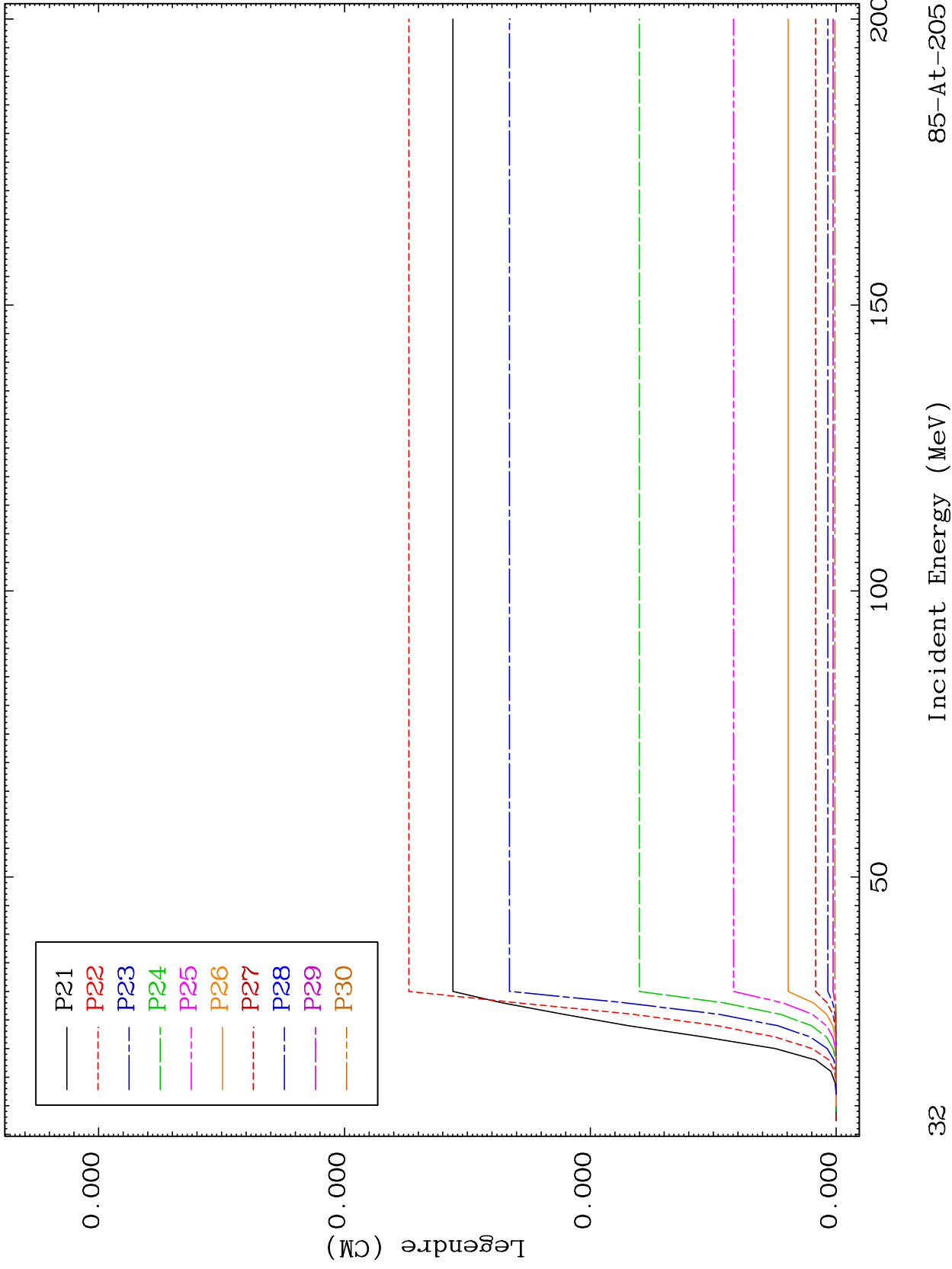




MAT 8531

664.3 keV (n,n') Level
Legendre Coefficients

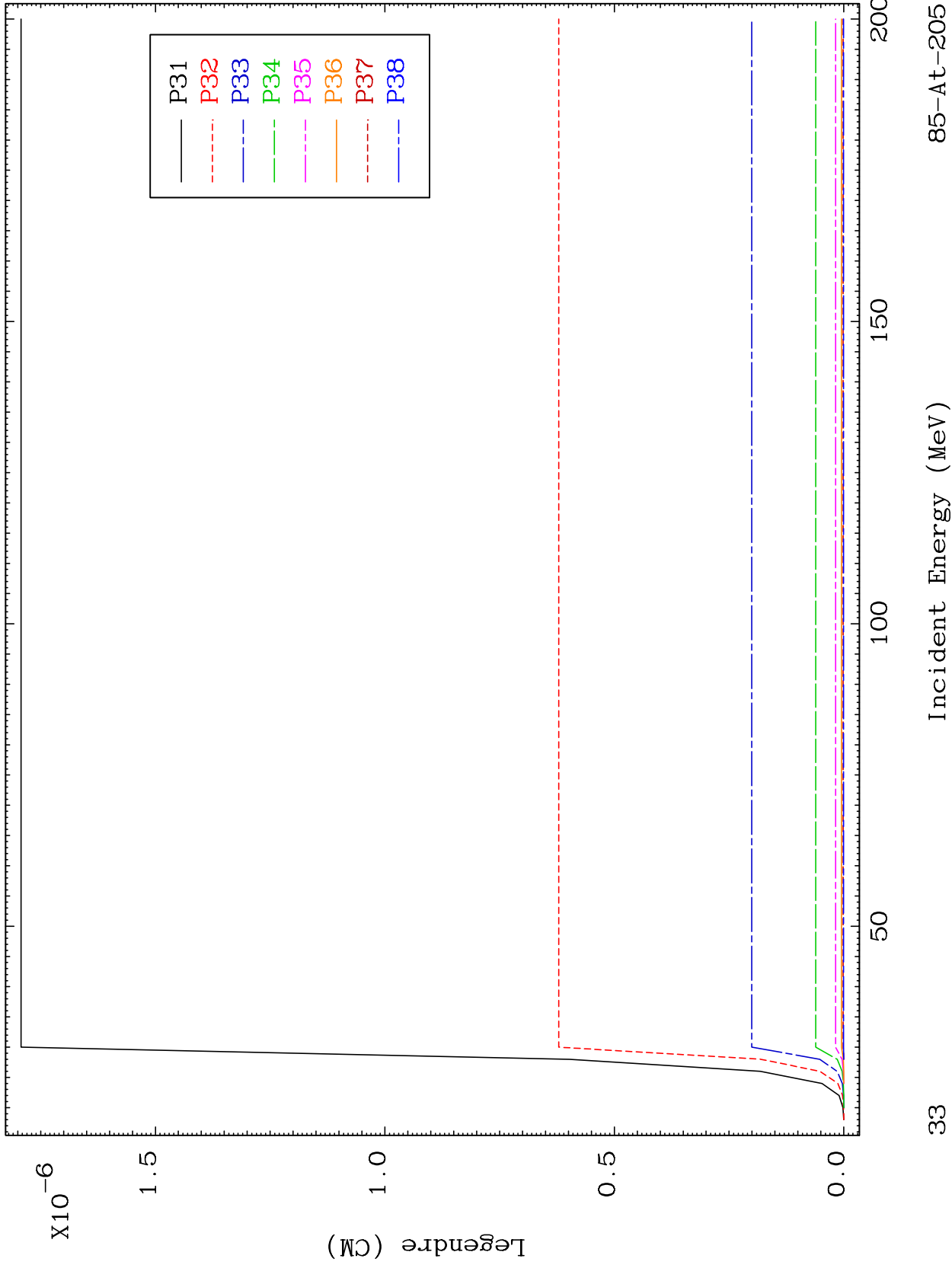
85-At-205



MAT 8531

664.3 keV (n,n') Level
Legendre Coefficients

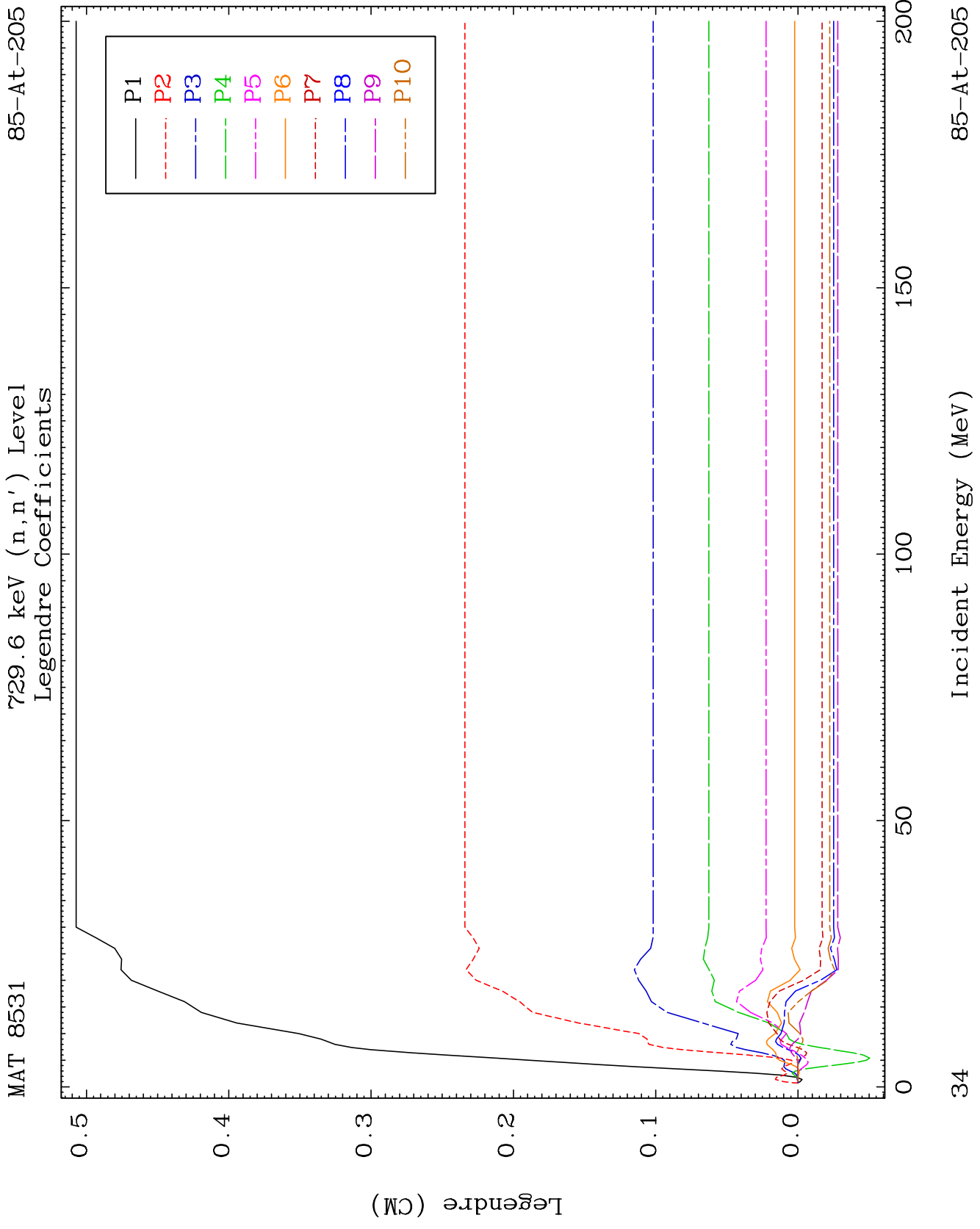
85-At-205

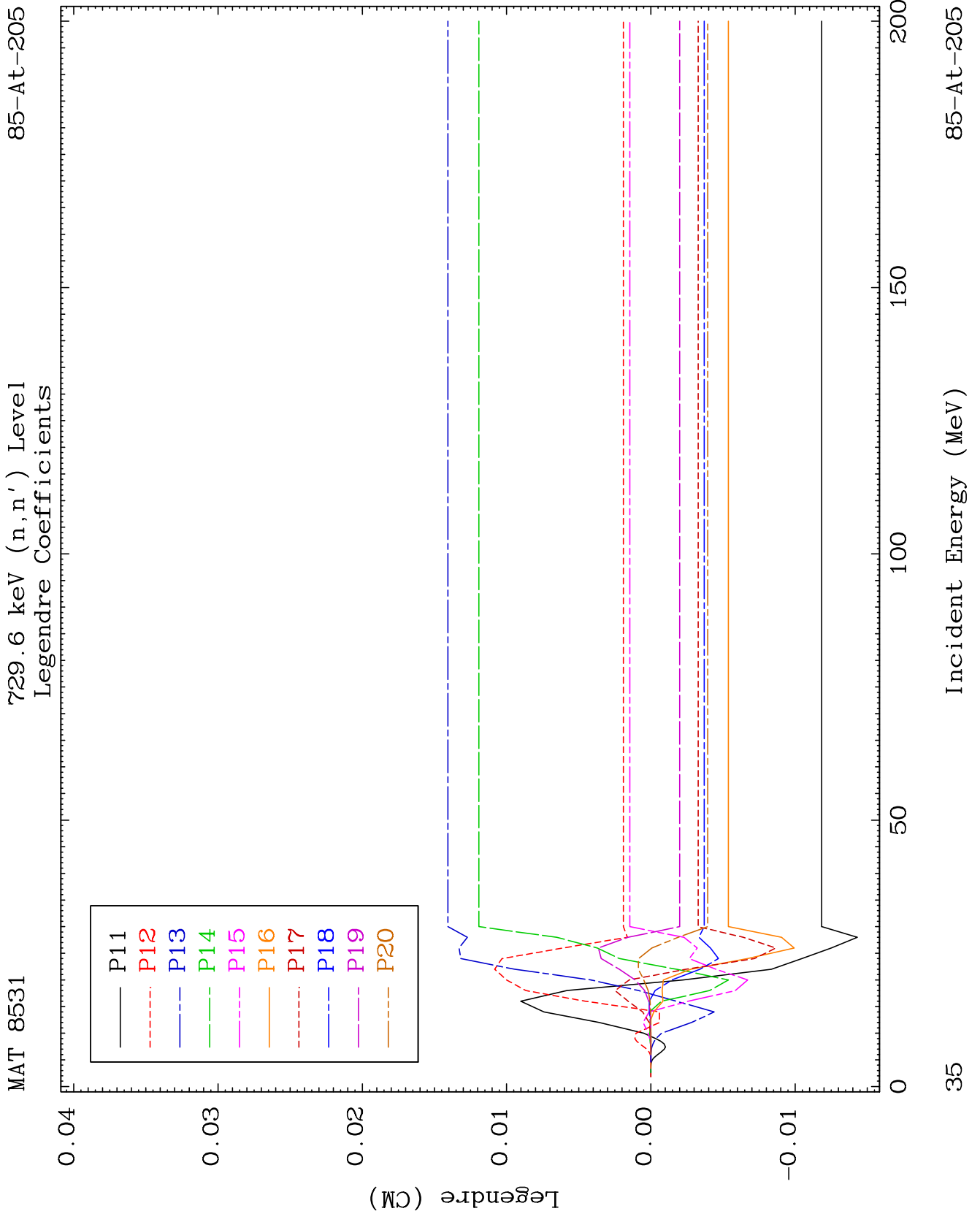


33

Incident Energy (MeV)

85-At-205

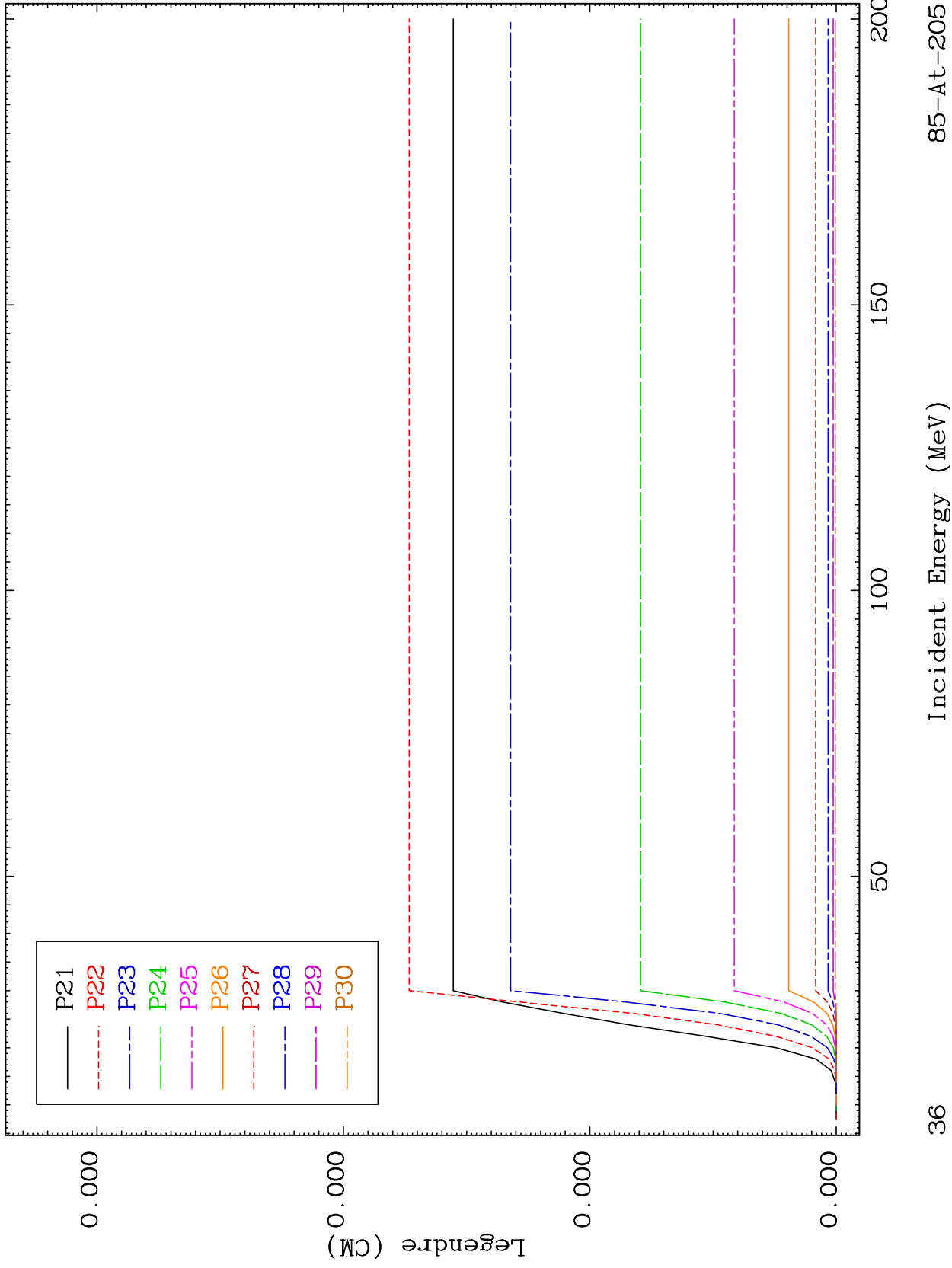




MAT 8531

729.6 keV (n,n') Level
Legendre Coefficients

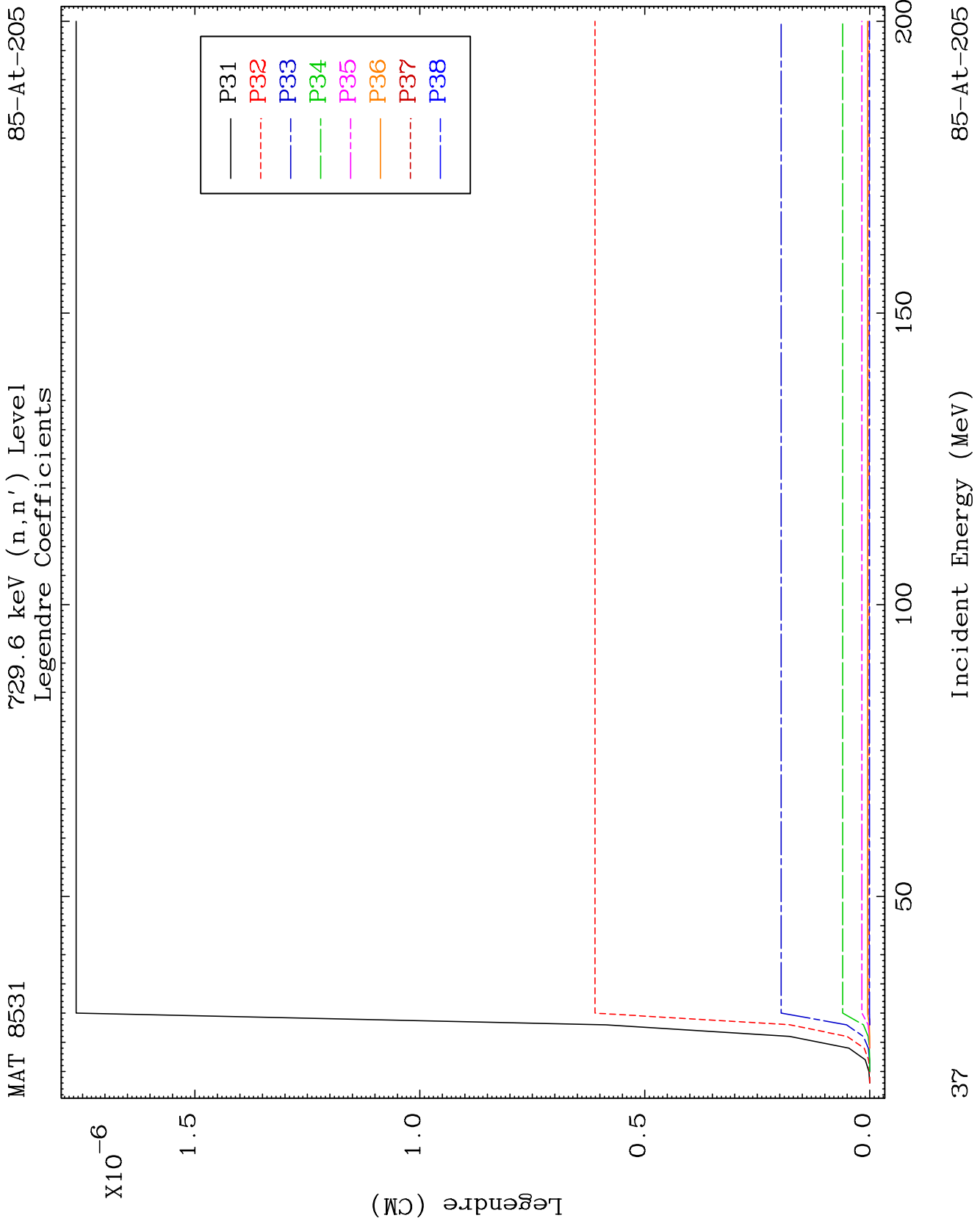
85-At-205



36

Incident Energy (MeV)

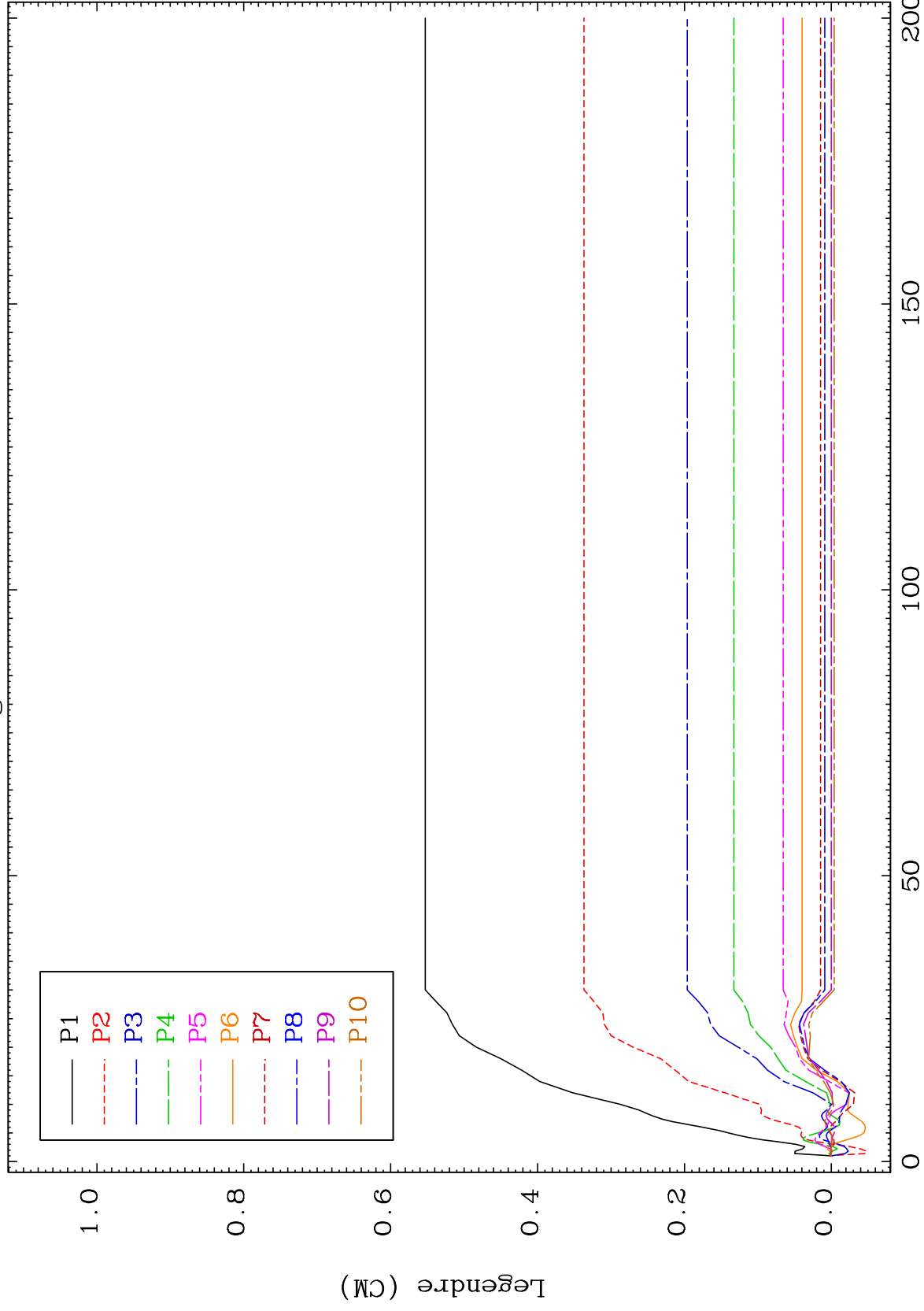
85-At-205



MAT 8531

940.1 keV (n,n') Level
Legendre Coefficients

85-At-205



38

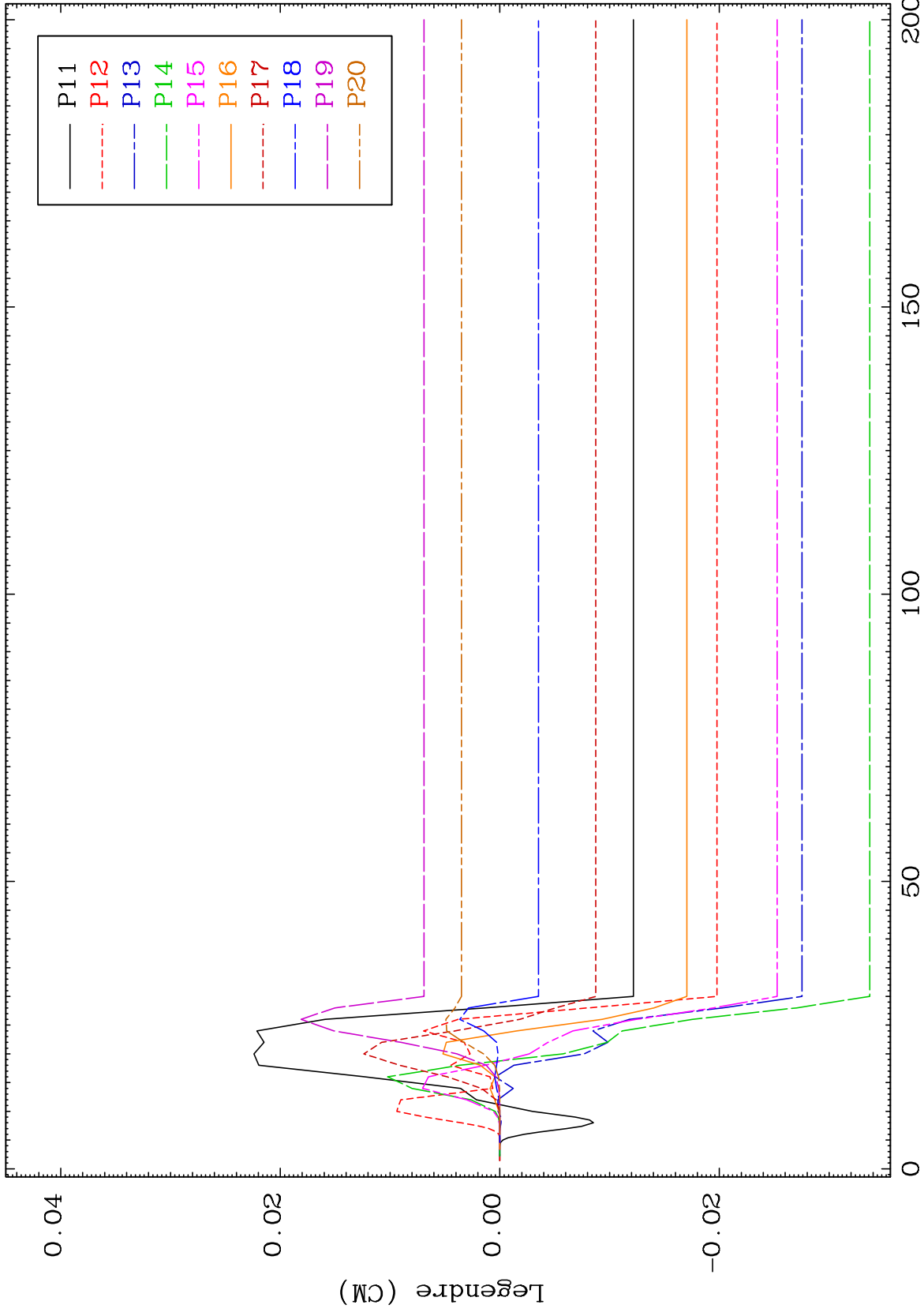
Incident Energy (MeV)

85-At-205

MAT 8531

940.1 keV (n,n') Level
Legendre Coefficients

85-At-205



39

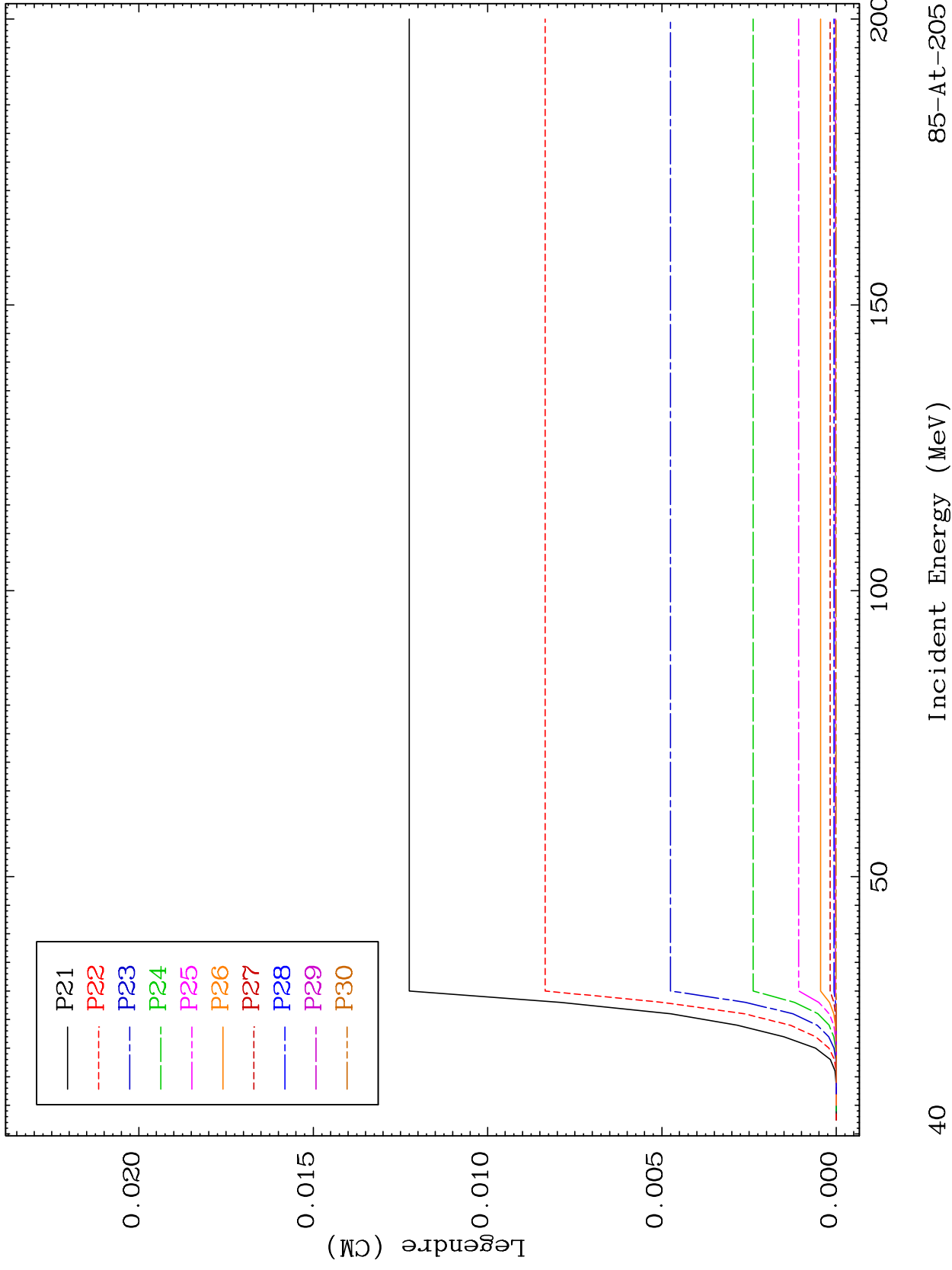
Incident Energy (MeV)

85-At-205

MAT 8531

940.1 keV (n,n') Level
Legendre Coefficients

85-At-205



85-At-205

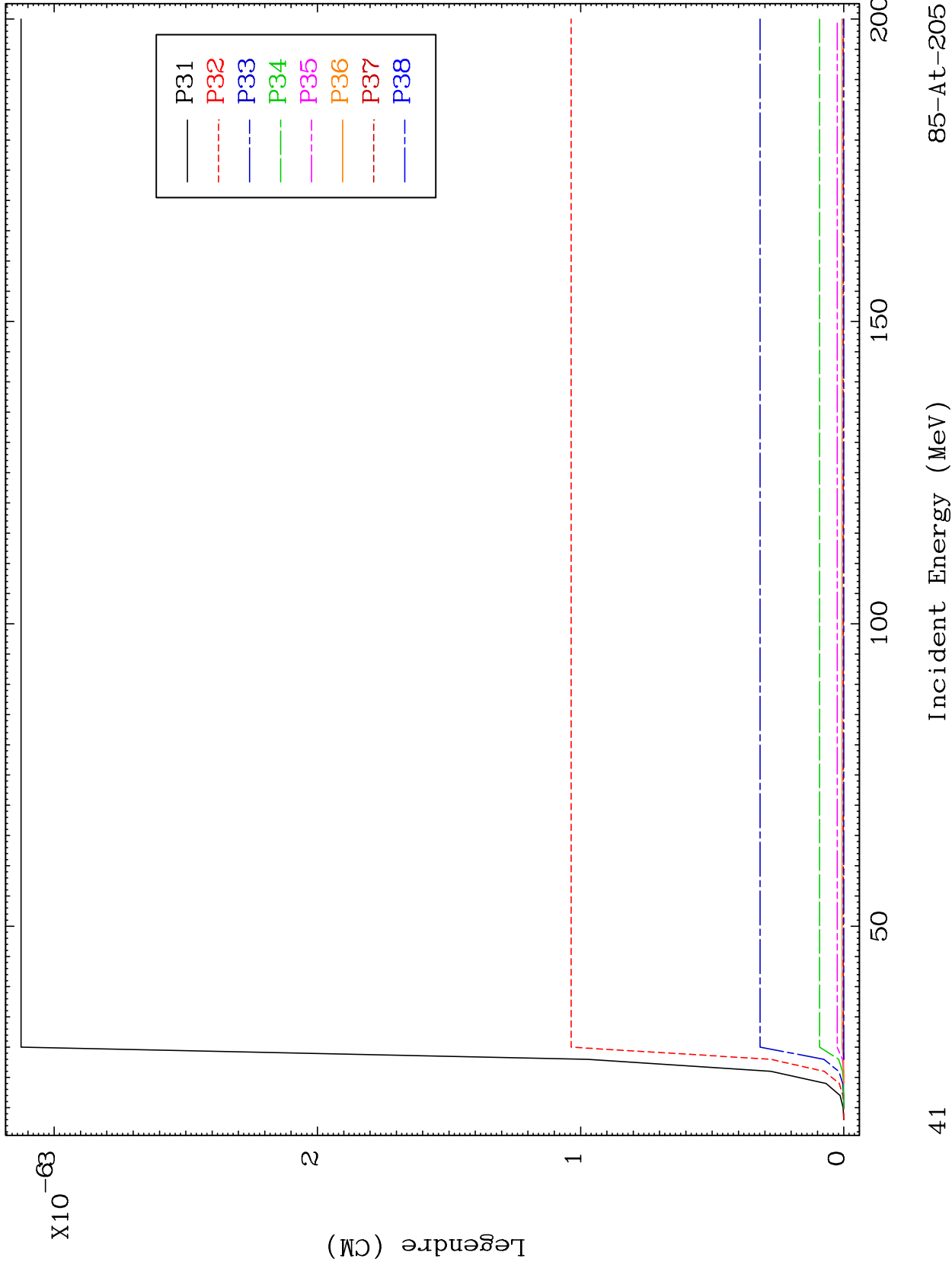
Incident Energy (MeV)

40

MAT 8531

940.1 keV (n,n') Level
Legendre Coefficients

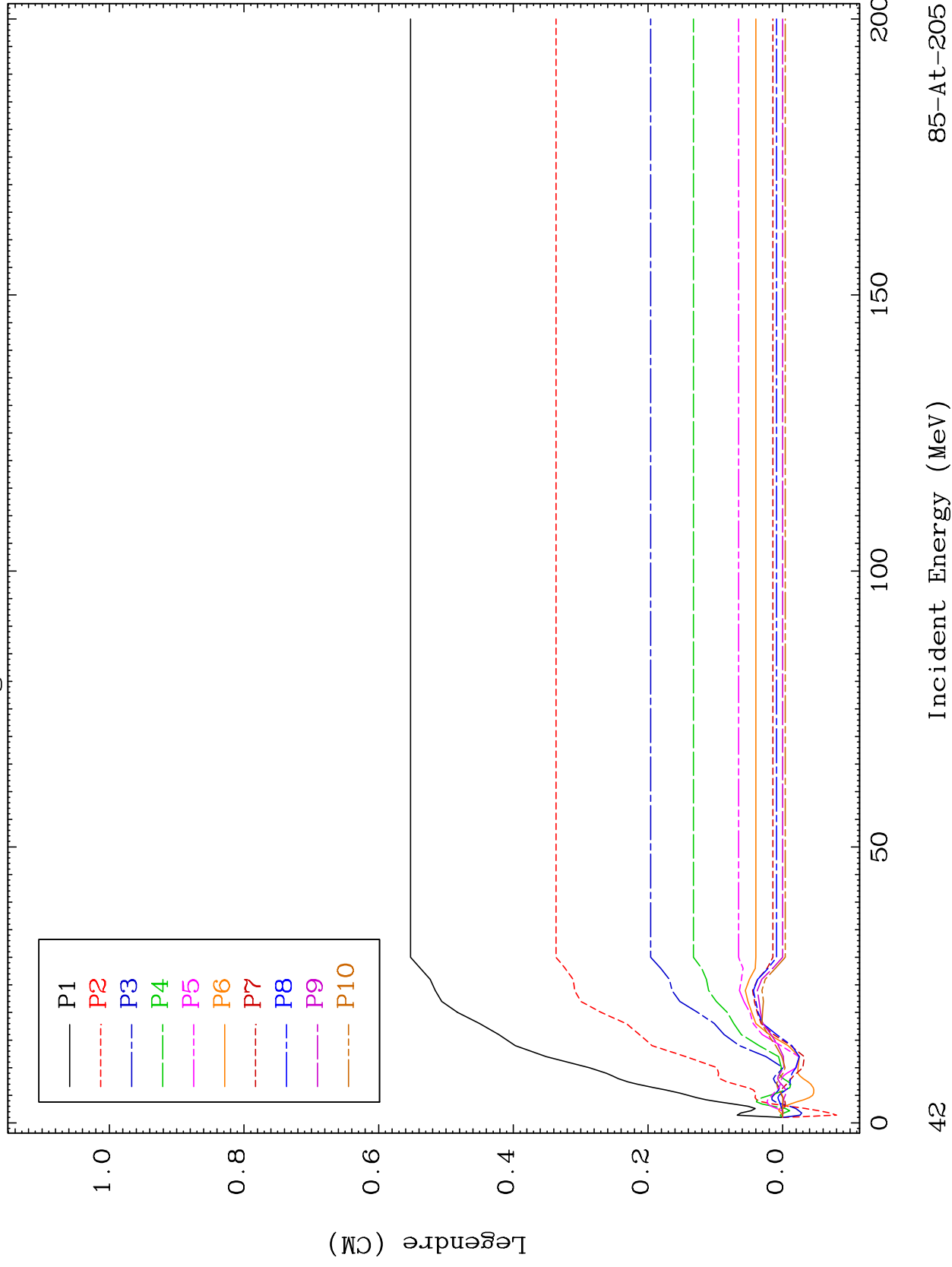
85-At-205



MAT 8531

969.8 keV (n,n') Level
Legendre Coefficients

85-At-205

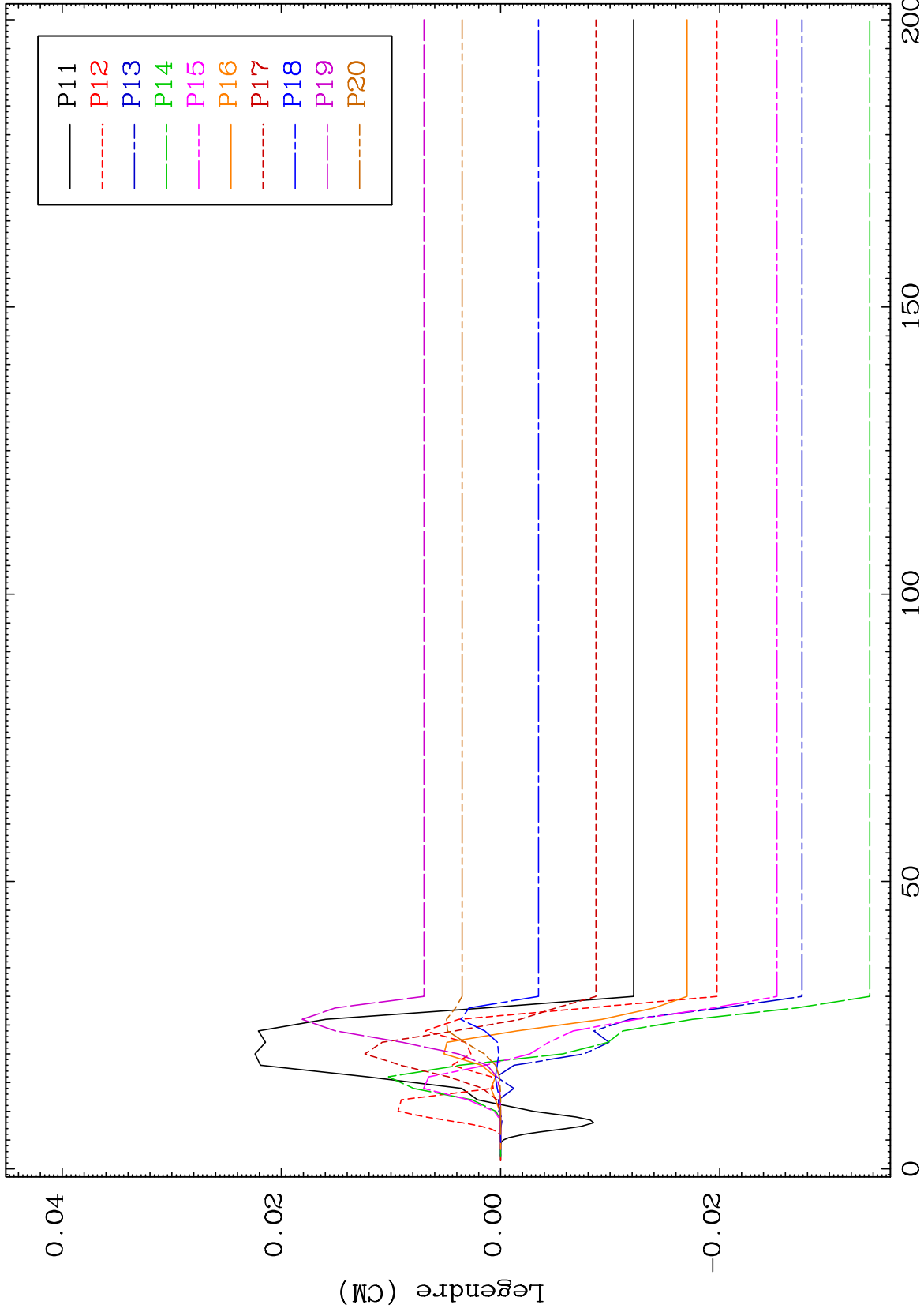


42

MAT 8531

969.8 keV (n,n') Level
Legendre Coefficients

85-At-205



43

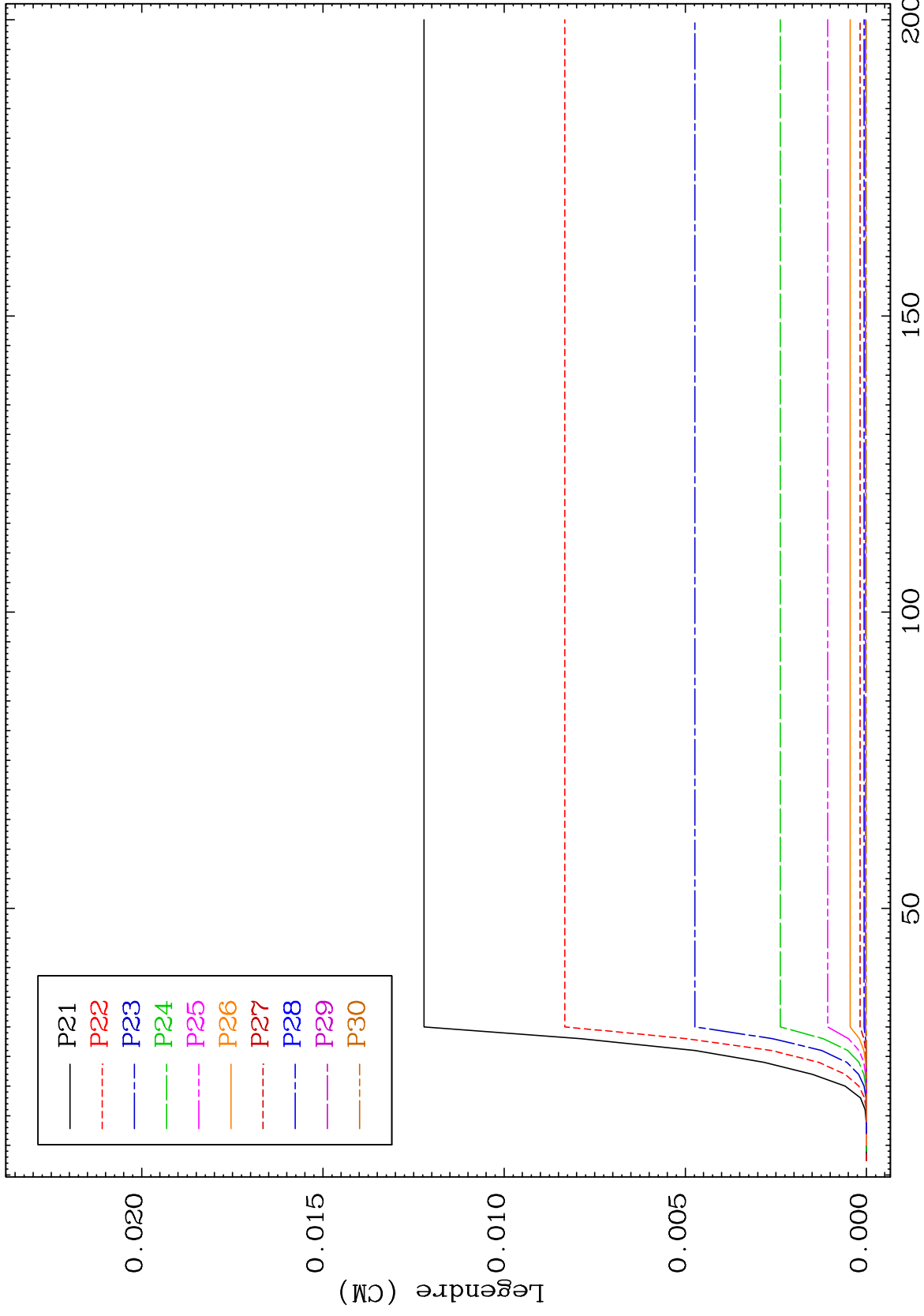
Incident Energy (MeV)

85-At-205

MAT 8531

969.8 keV (n,n') Level
Legendre Coefficients

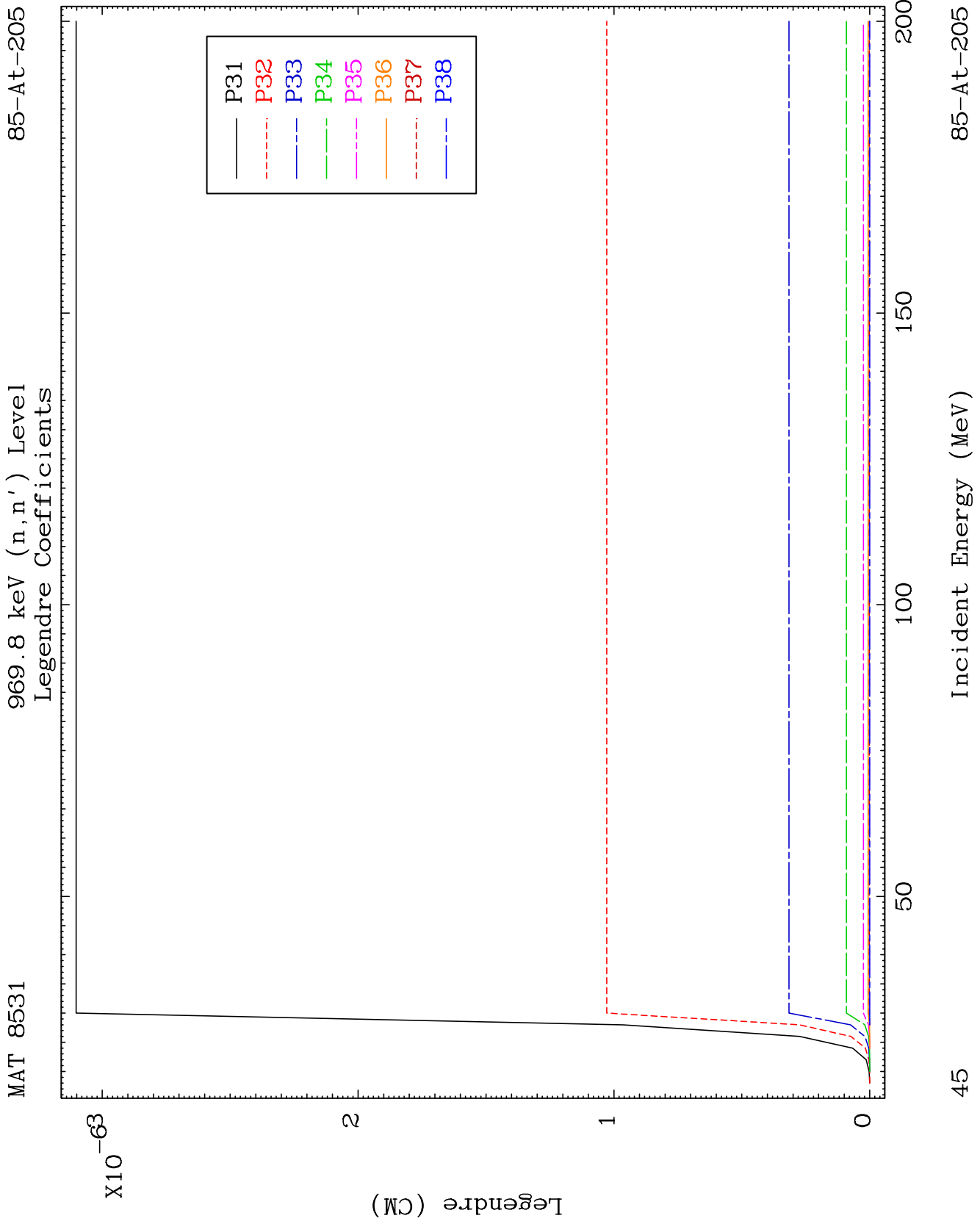
85-At-205

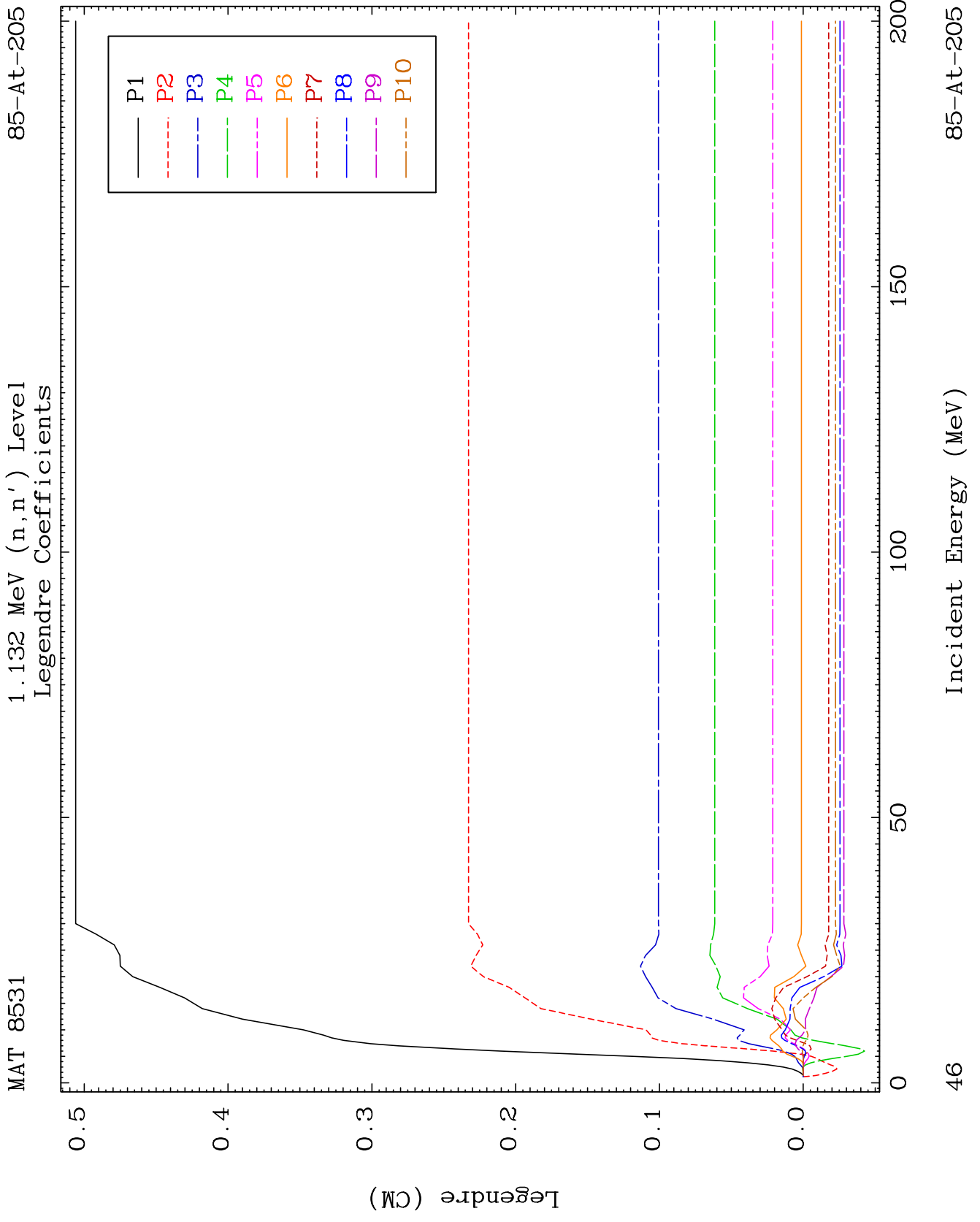


44

Incident Energy (MeV)

85-At-205

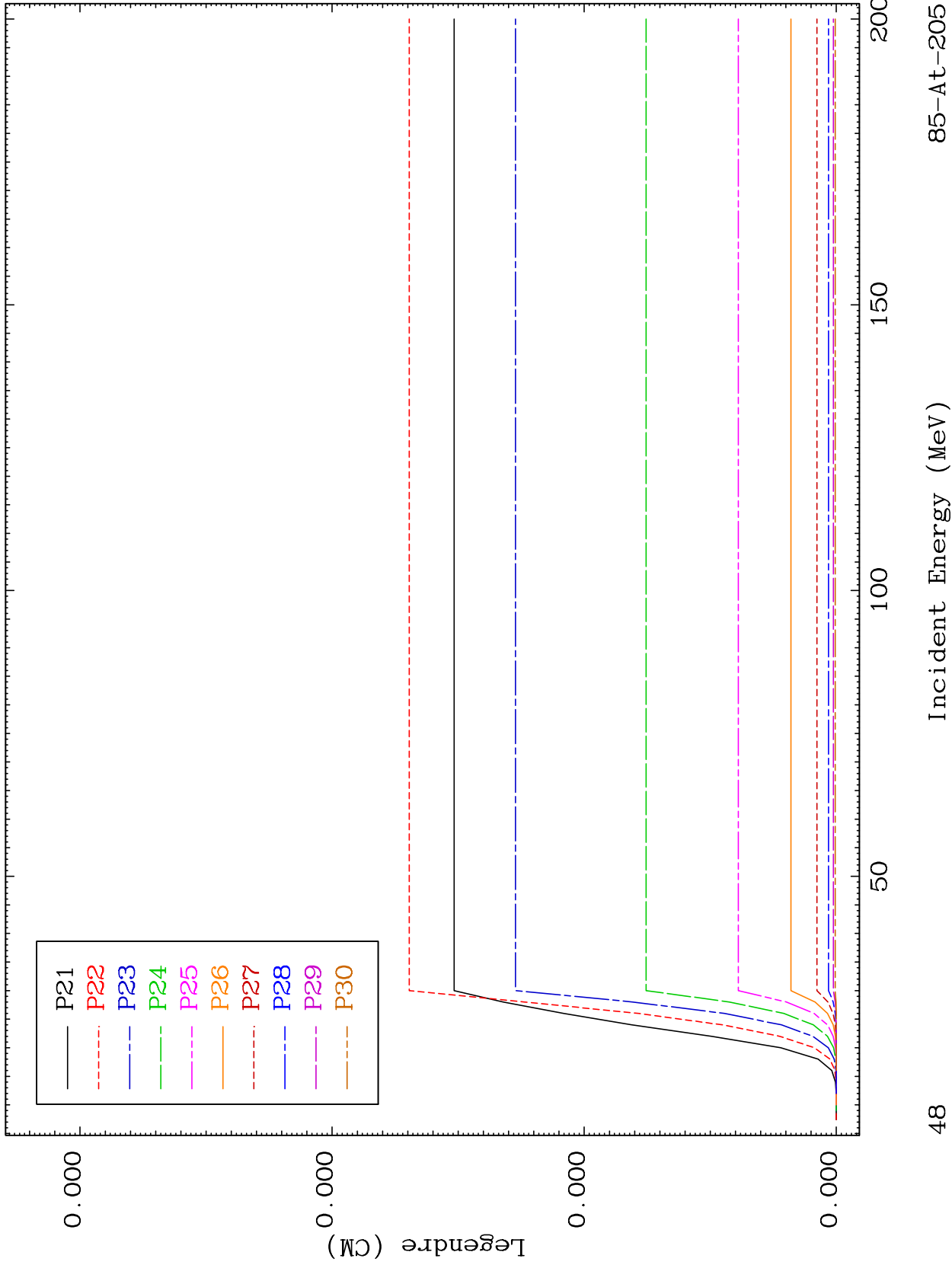




MAT 8531

1.132 MeV (n,n') Level
Legendre Coefficients

85-At-205



48

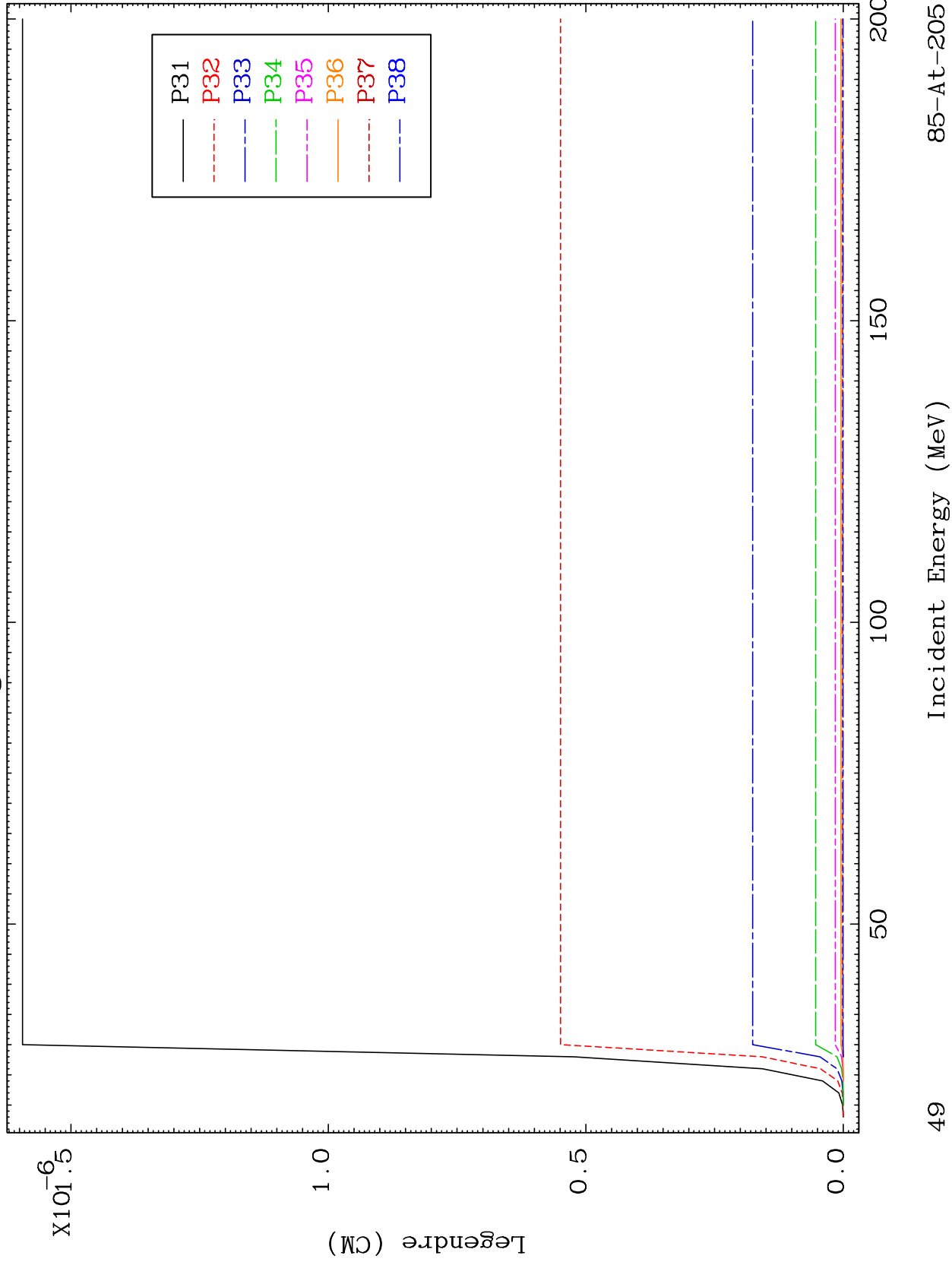
Incident Energy (MeV)

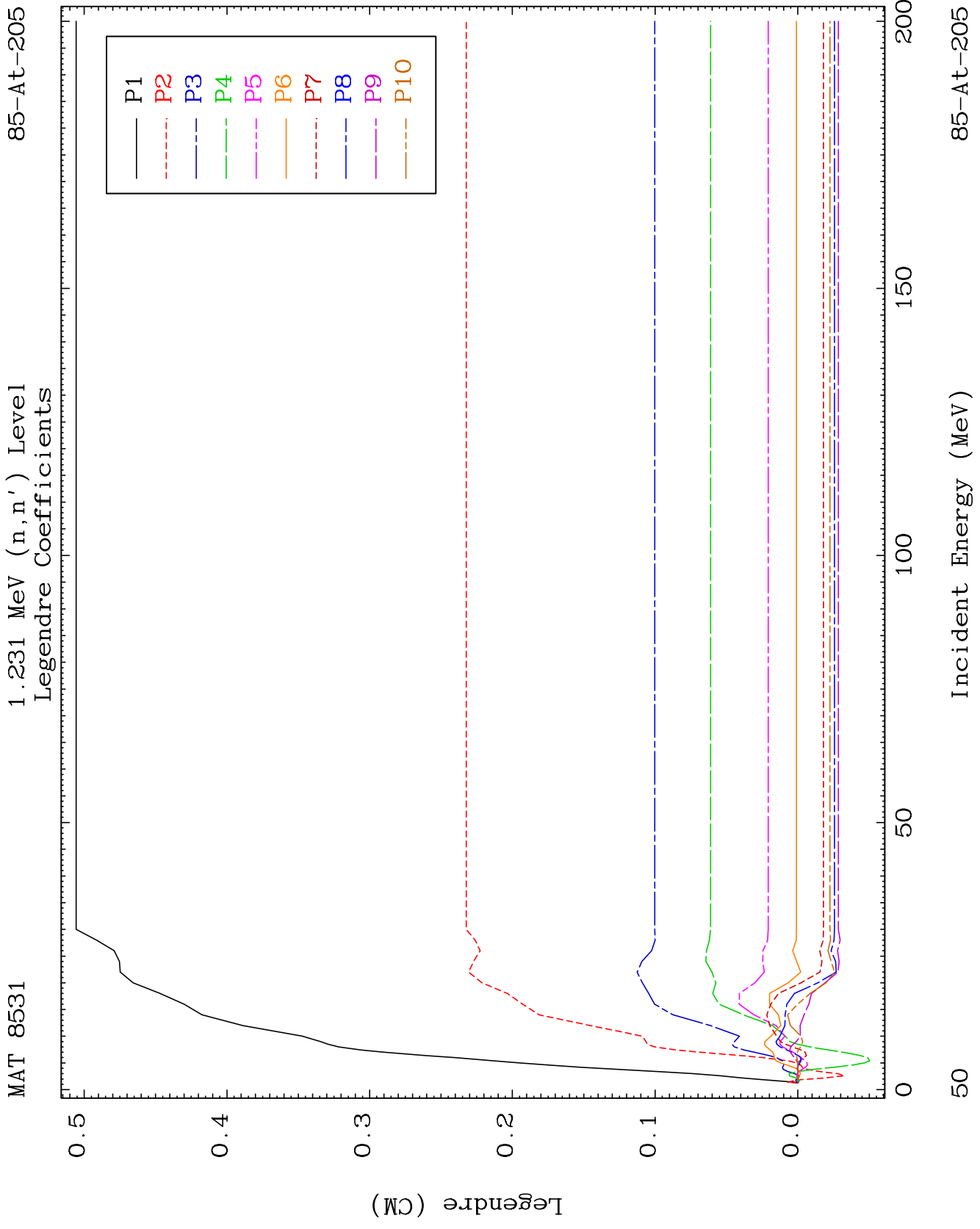
85-At-205

MAT 8531

1.132 MeV (n,n') Level
Legendre Coefficients

85-At-205

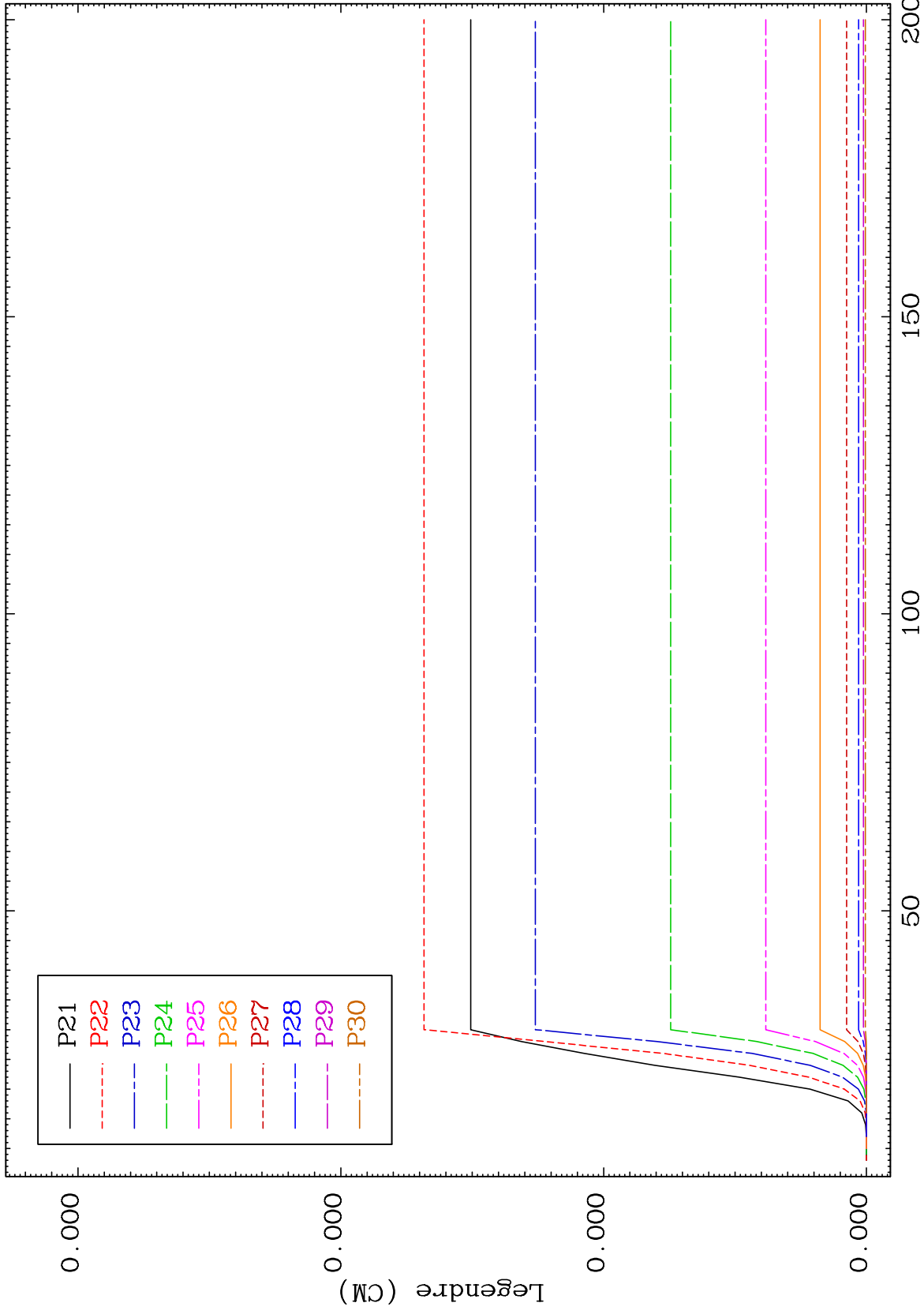




MAT 8531

1.231 MeV (n,n') Level
Legendre Coefficients

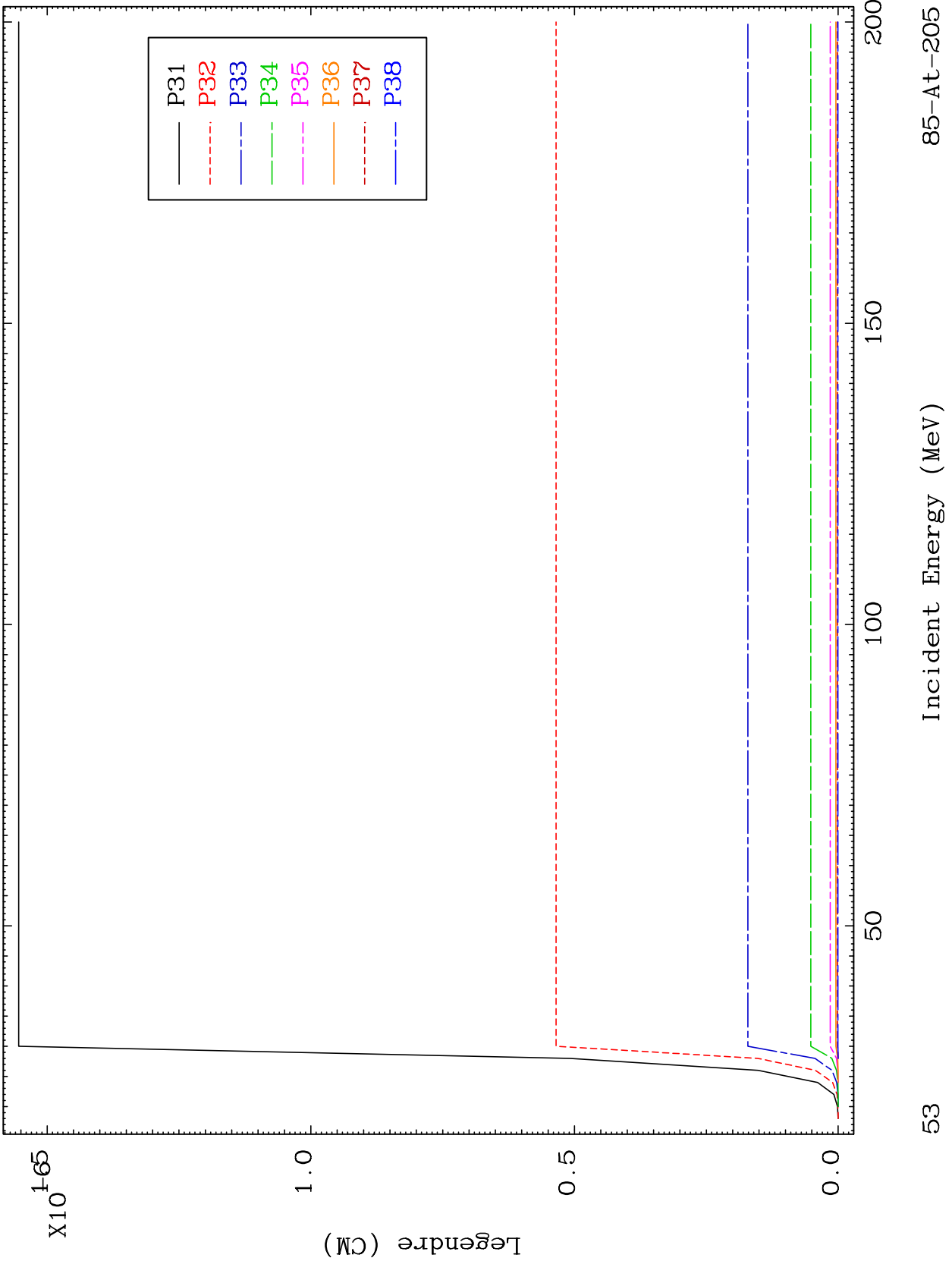
85-At-205



52

Incident Energy (MeV)

85-At-205

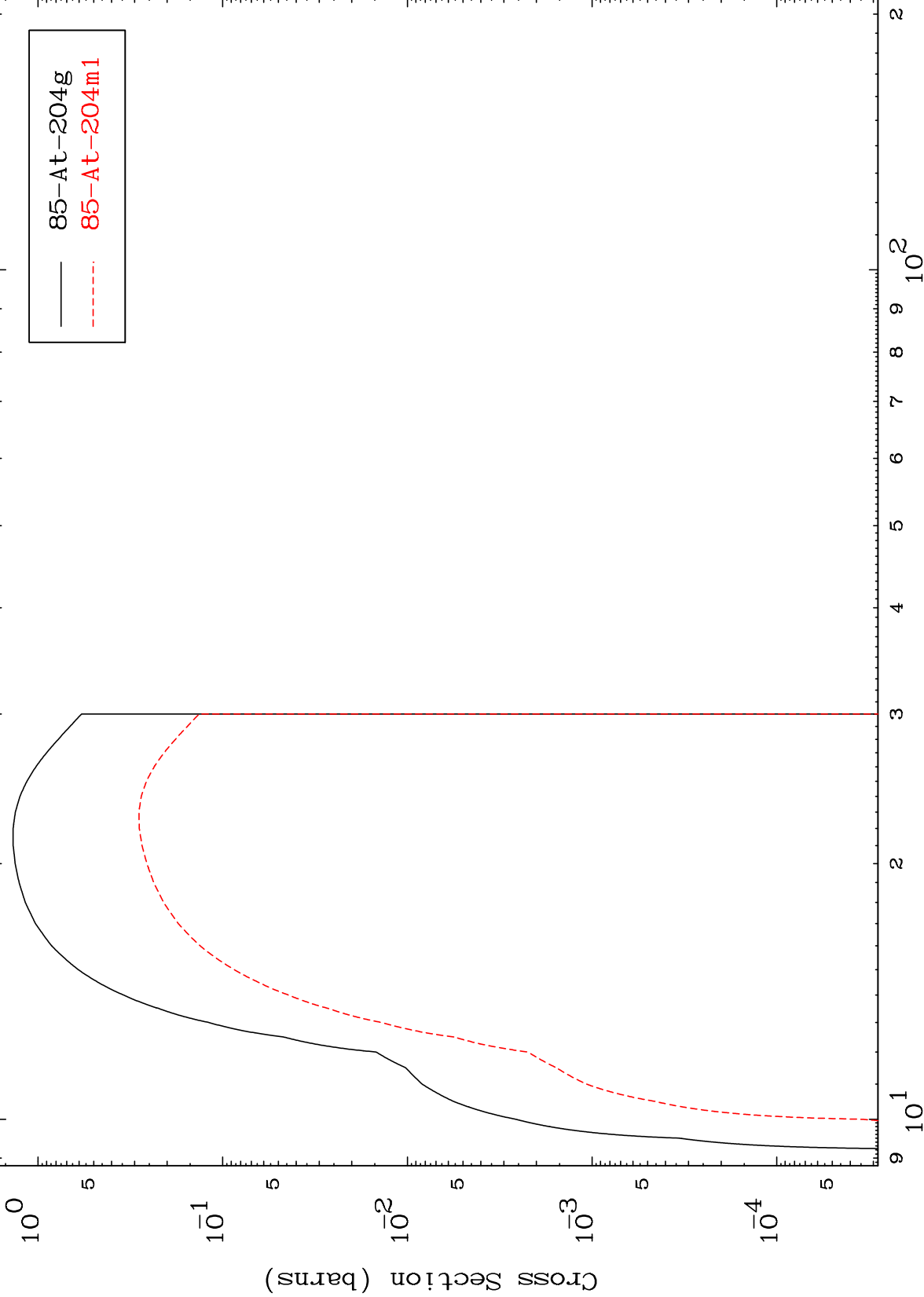


MAT 8531

(n,2n)

85-At-205

Radionuclide Production Cross Section



85-At-204g
85-At-204m1

54

Incident Energy (MeV)

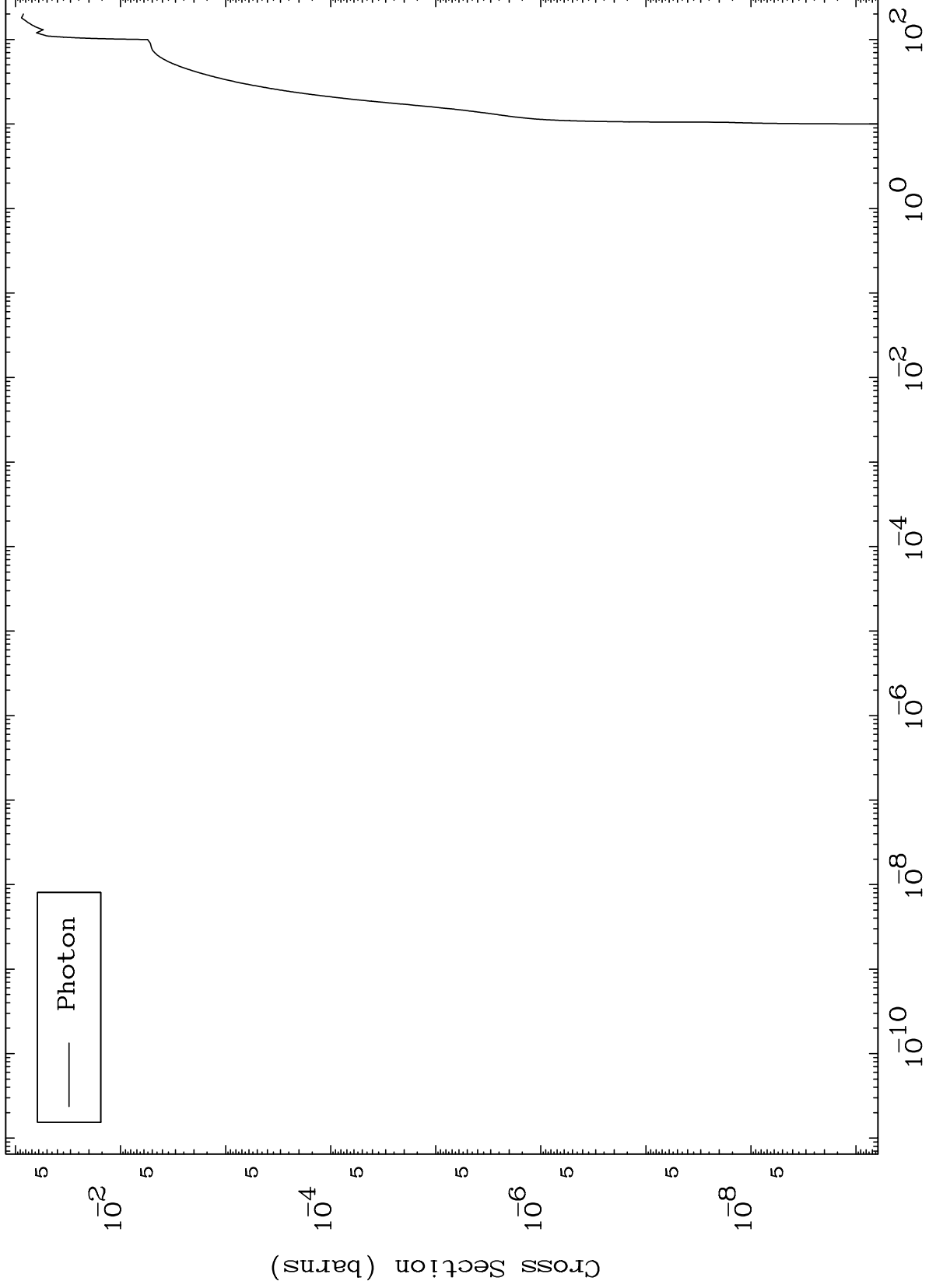
85-At-205

MAT 8531

Fission

85-At-205

Radionuclide Production Cross Section



55

Incident Energy (MeV)

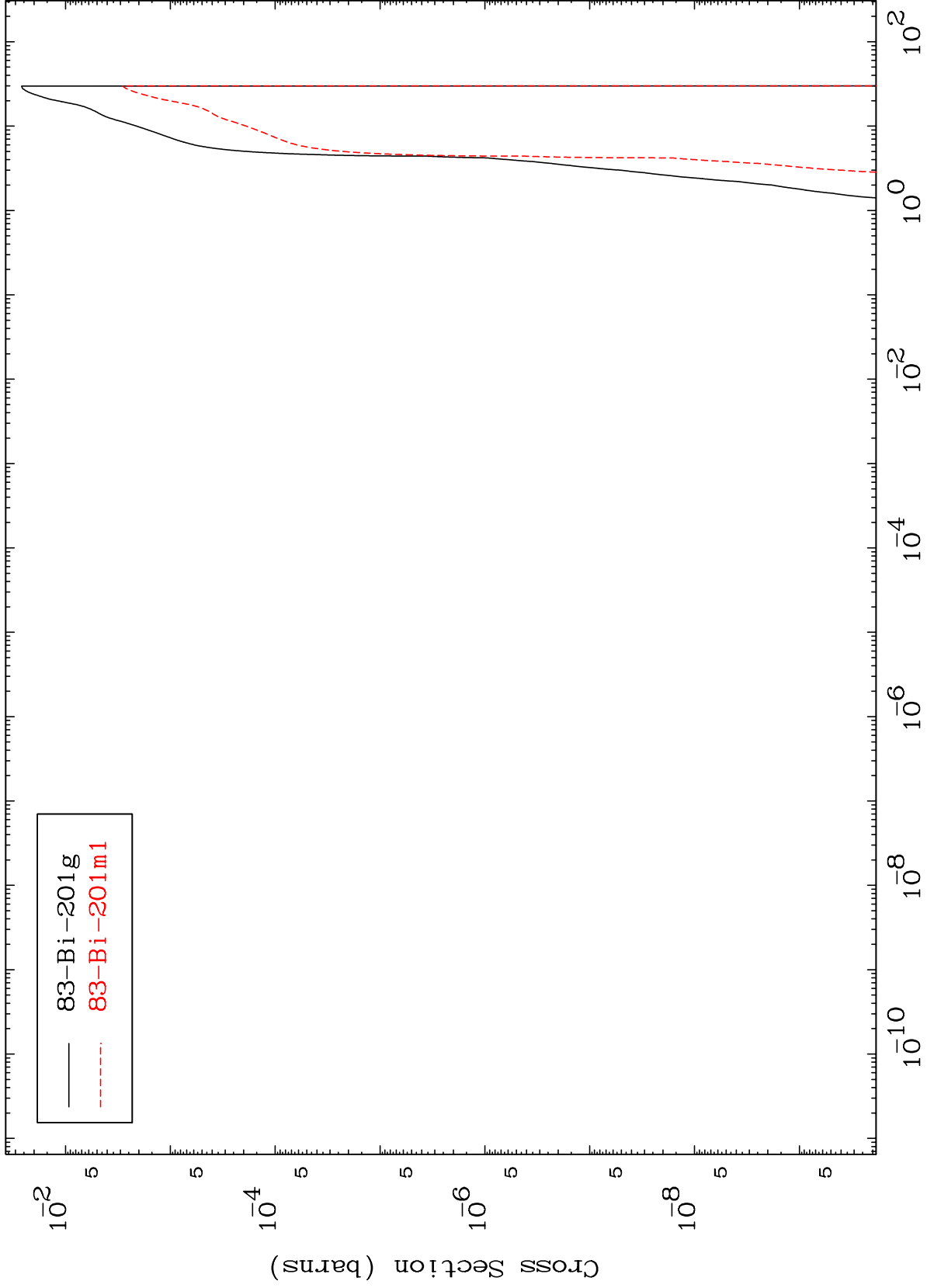
85-At-205

MAT 8531

$(n, n') \alpha$

85-At-205

Radionuclide Production Cross Section



56

Incident Energy (MeV)

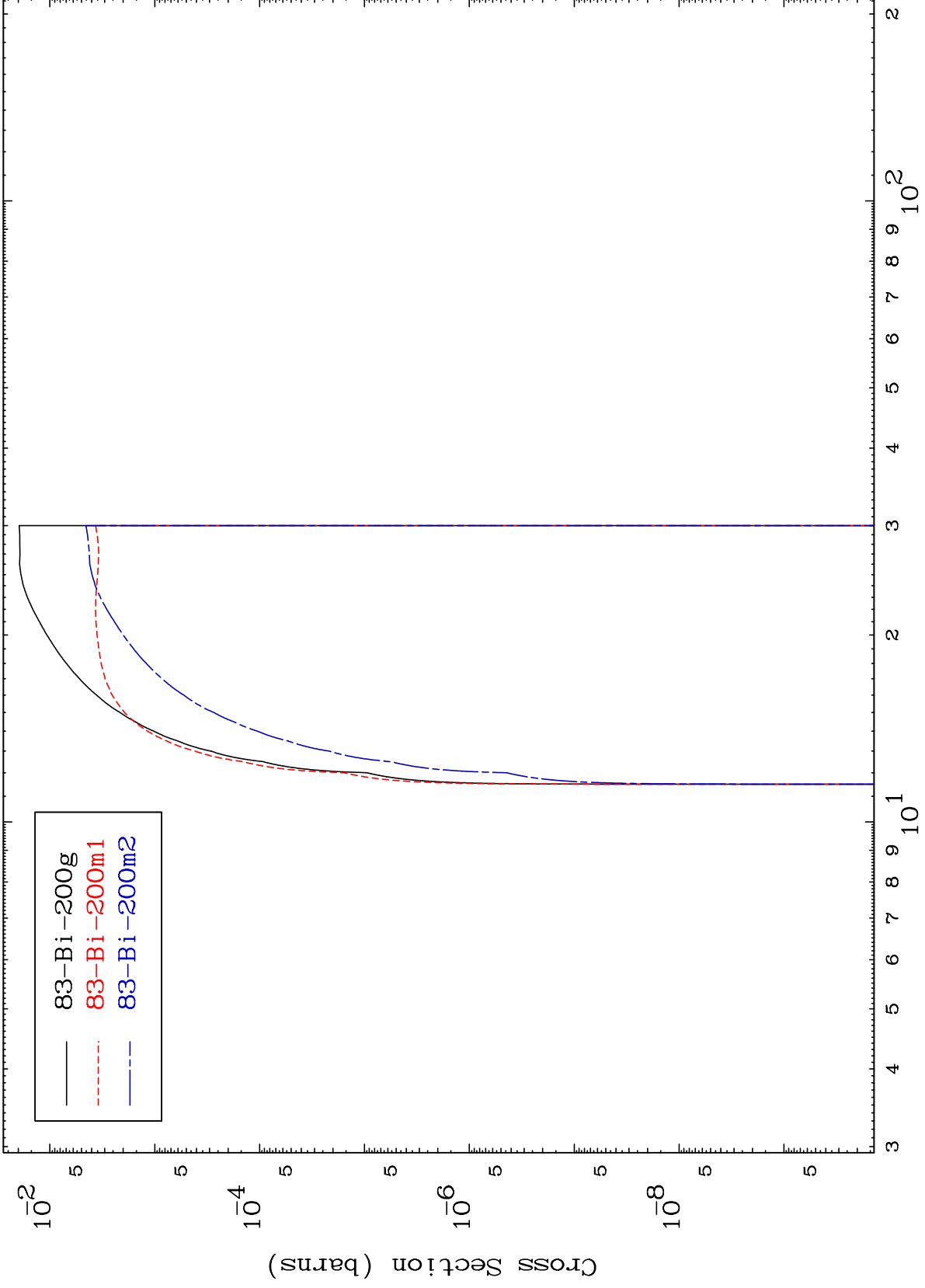
85-At-205

MAT 8531

(n,2n) α

85-At-205

Radionuclide Production Cross Section

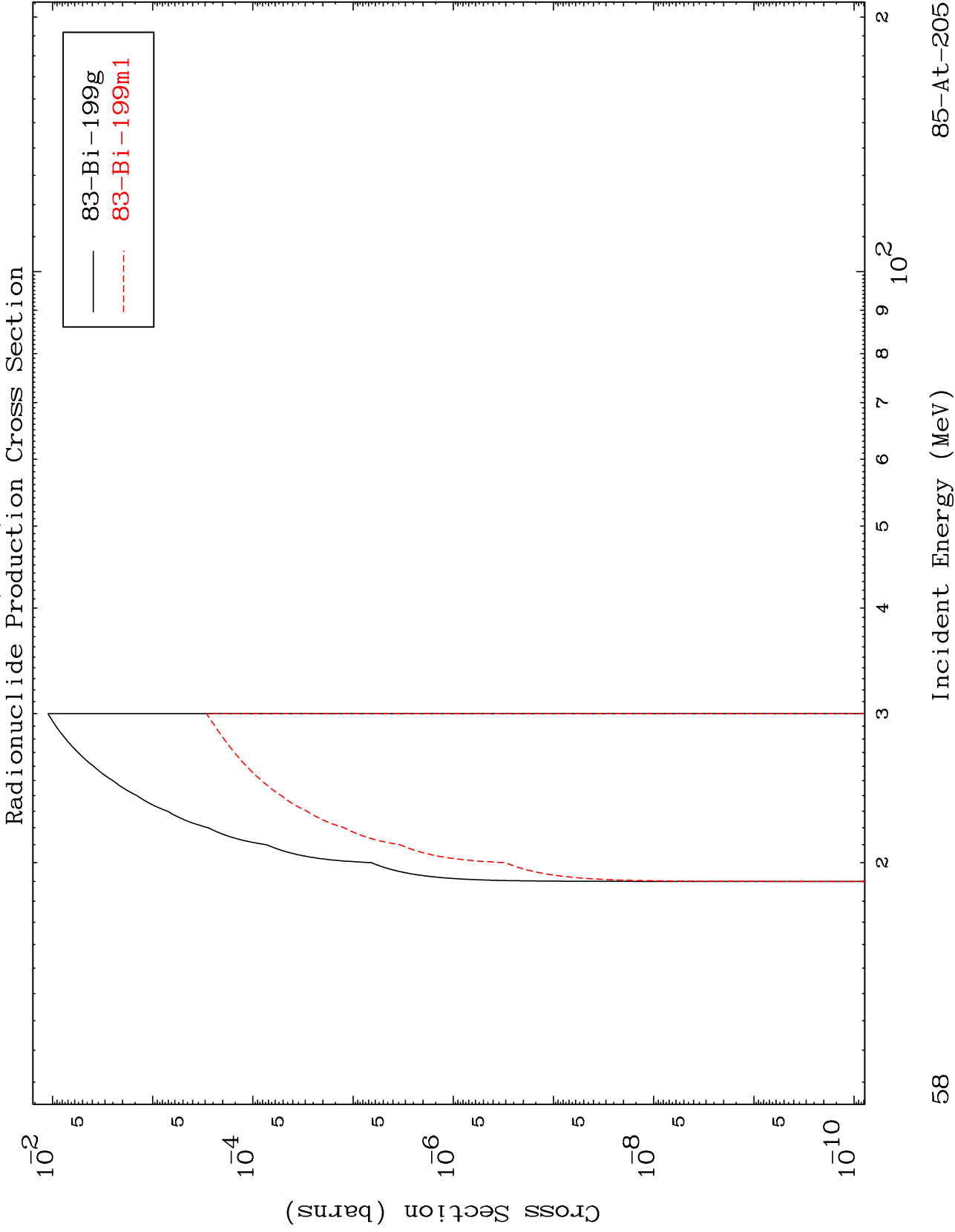


83-Bi-200g
83-Bi-200m1
83-Bi-200m2

57

Incident Energy (MeV)

85-At-205

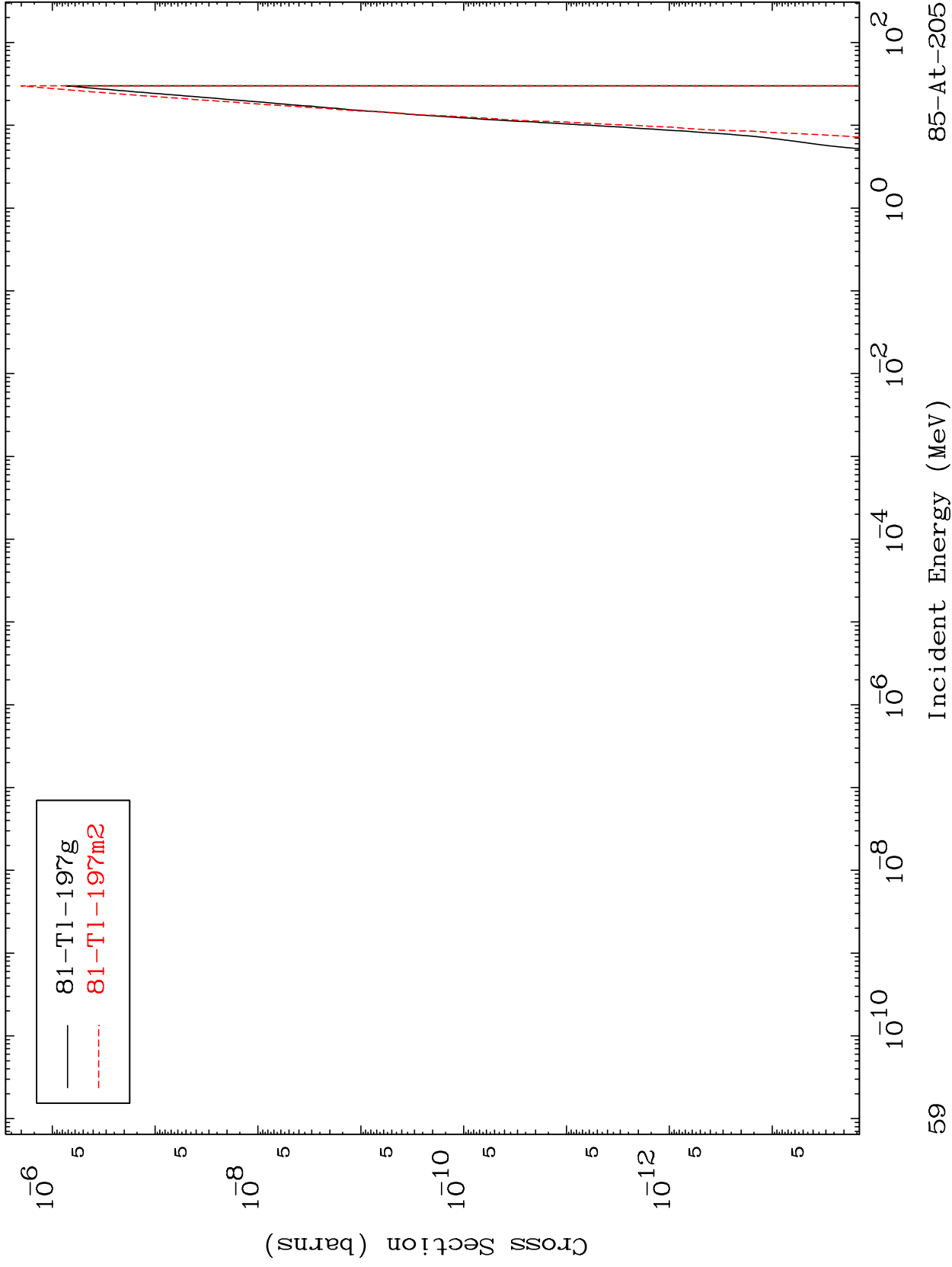


MAT 8531

(n,n') 2 α

85-At-205

Radionuclide Production Cross Section

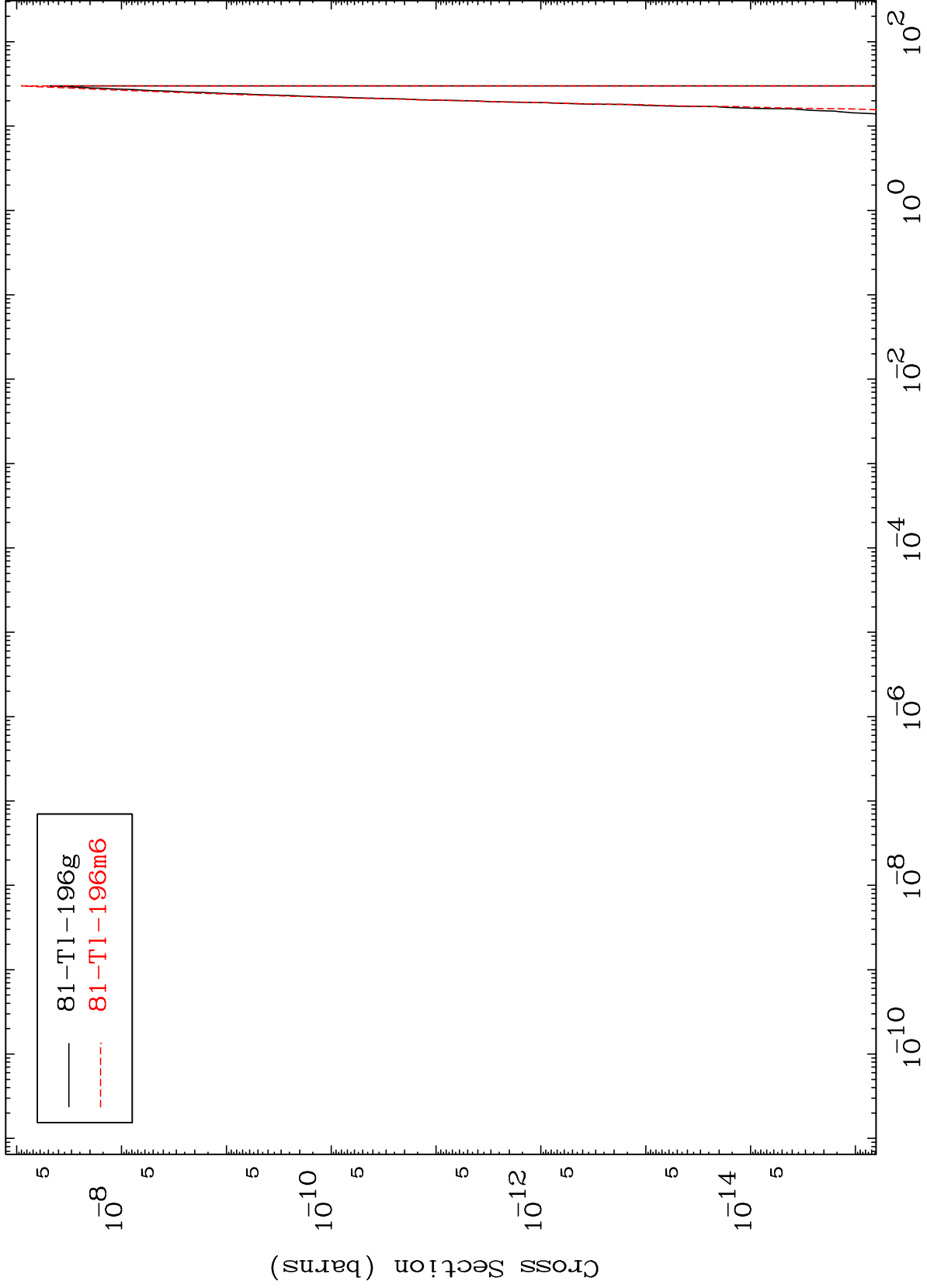


MAT 8531

(n,2n) 2α

85-At-205

Radionuclide Production Cross Section



60

Incident Energy (MeV)

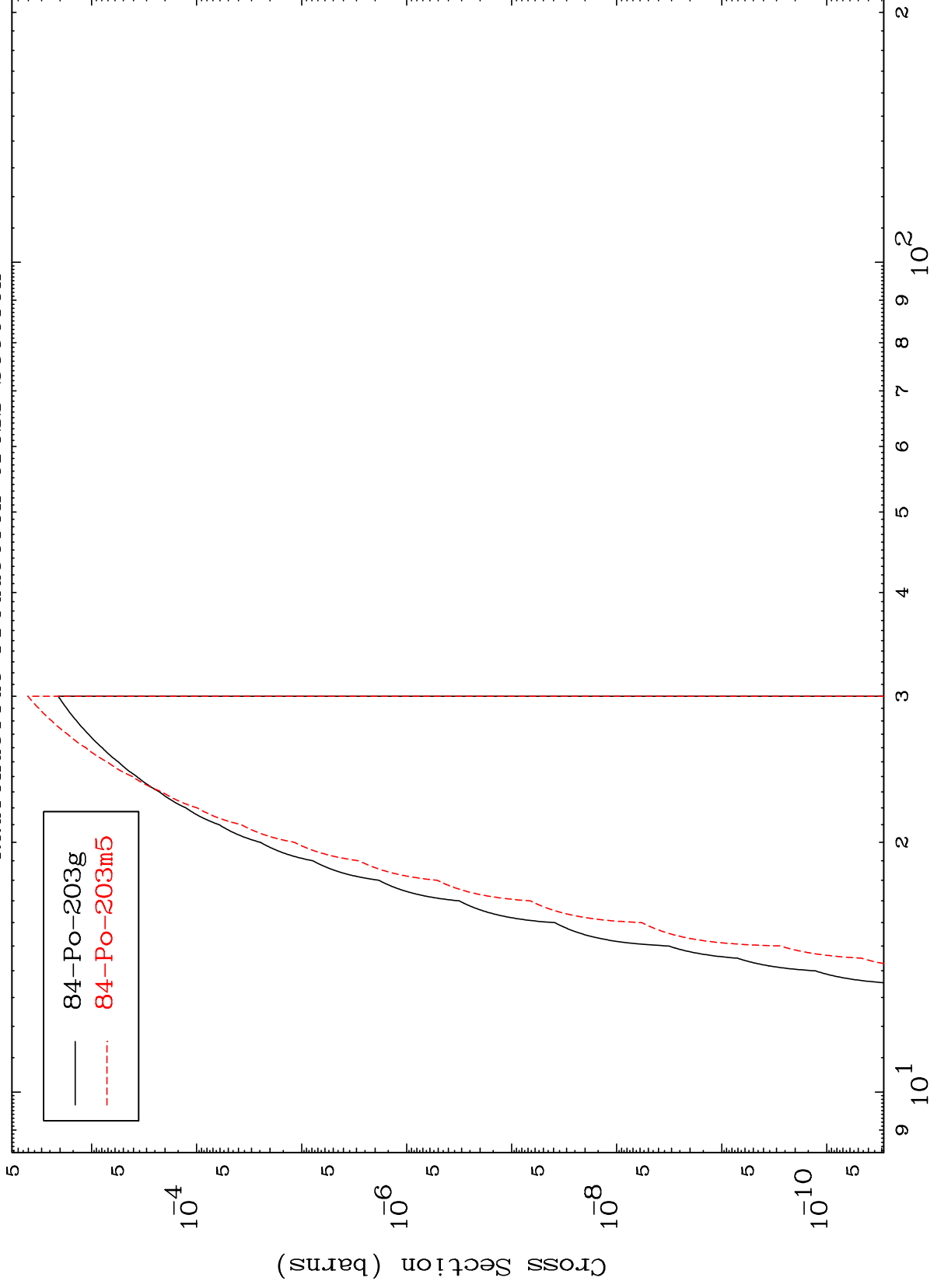
85-At-205

MAT 8531

(n,n') d

85-At-205

Radionuclide Production Cross Section



61

Incident Energy (MeV)

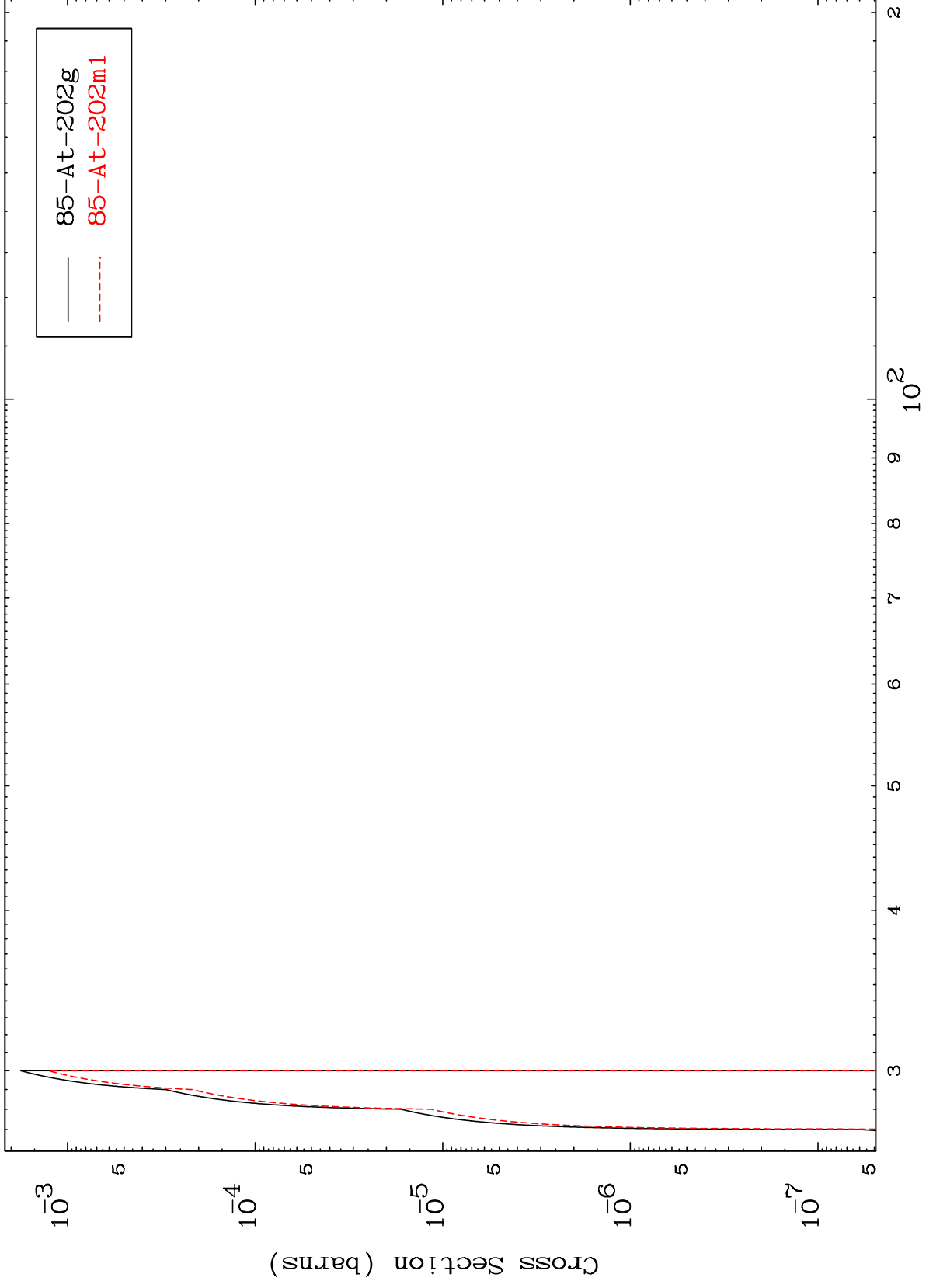
85-At-205

MAT 8531

(n,4n)

85-At-205

Radionuclide Production Cross Section



62

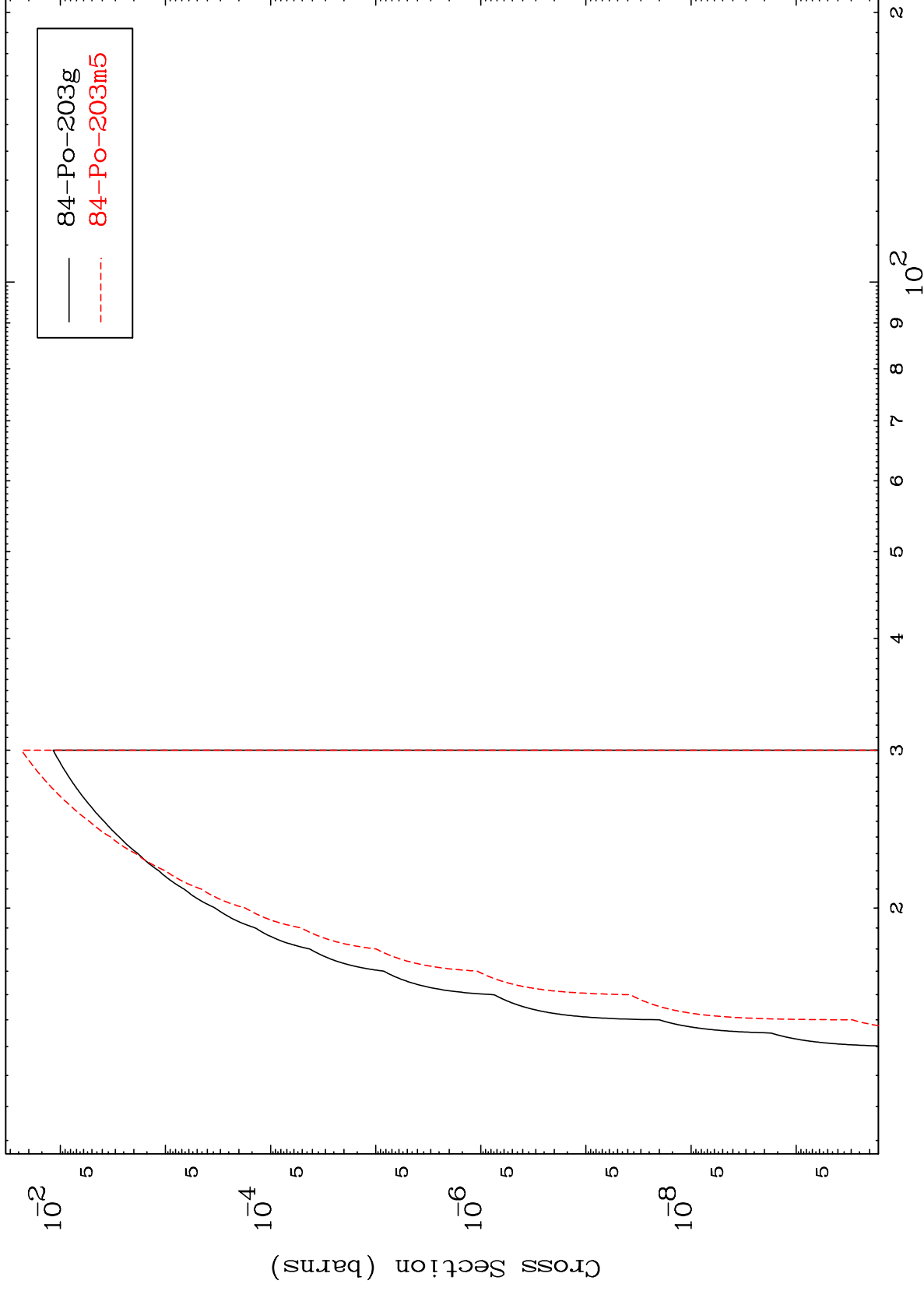
Incident Energy (MeV)

85-At-205

MAT 8531

85-At-205

(n,2n) p
Radionuclide Production Cross Section



63

Incident Energy (MeV)

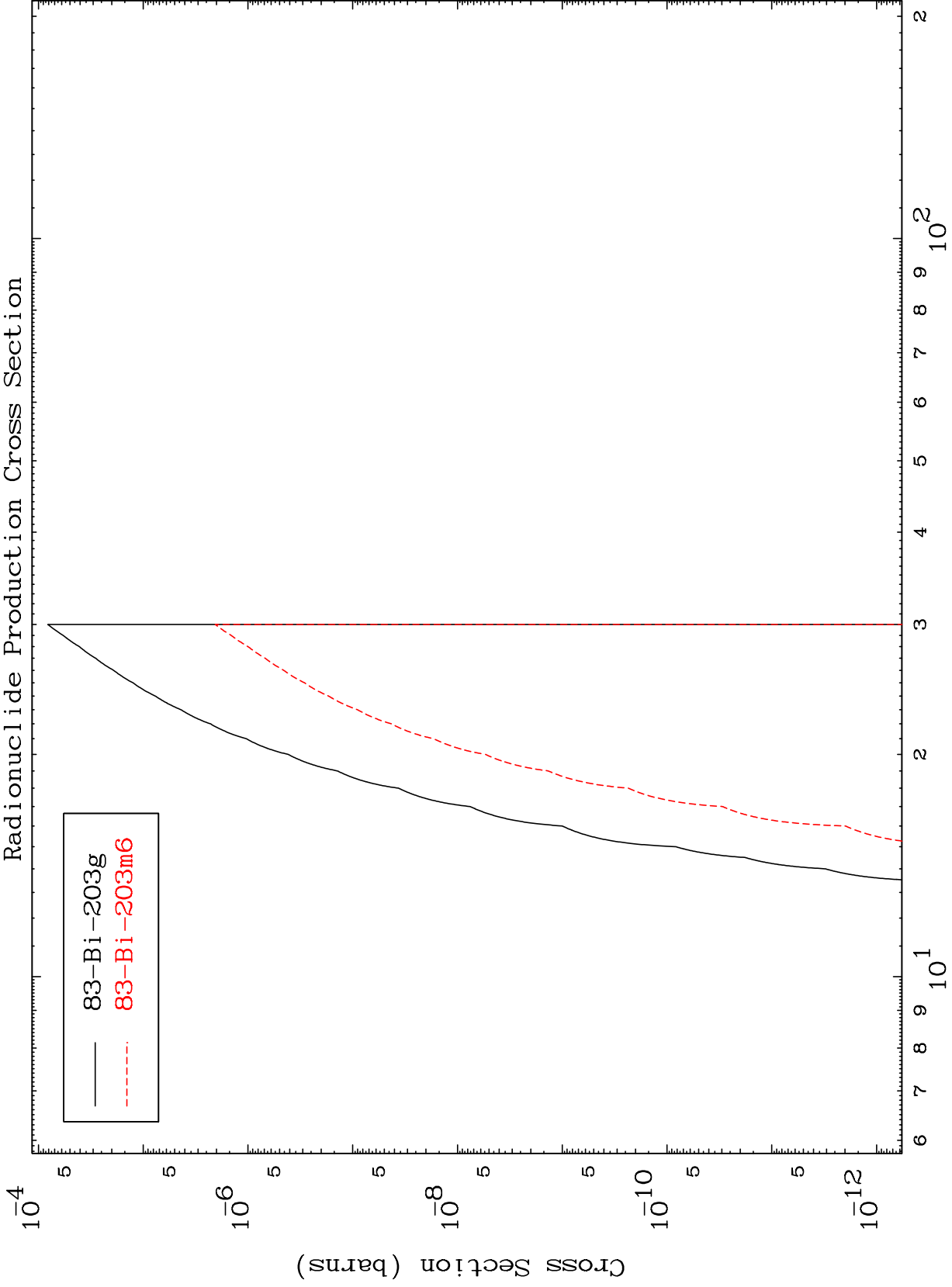
85-At-205

MAT 8531

(n,2n) p

85-At-205

Radionuclide Production Cross Section



64

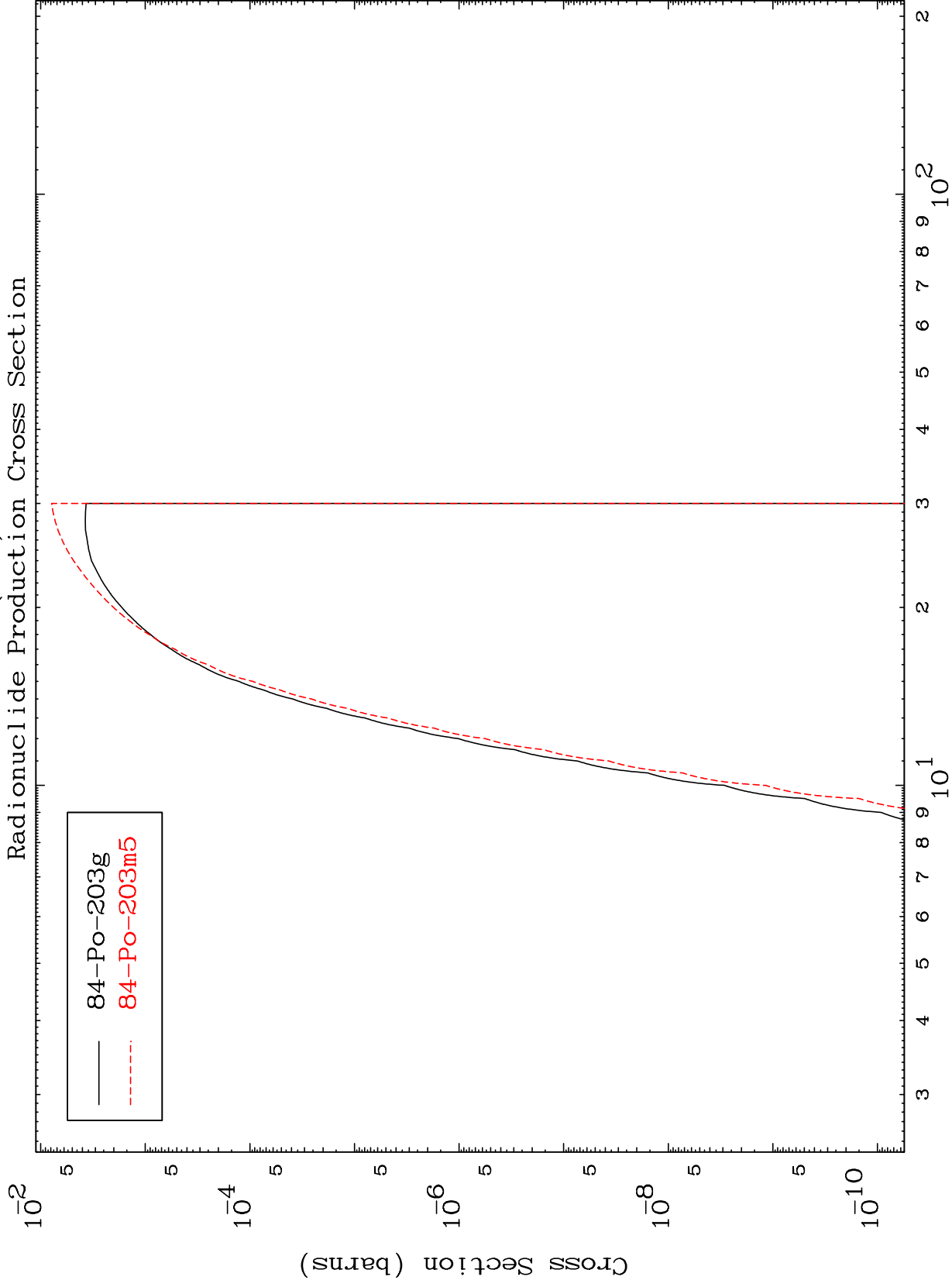
Incident Energy (MeV)

85-At-205

MAT 8531

85-At-205

(n, t)
Radionuclide Production Cross Section



65

Incident Energy (MeV)

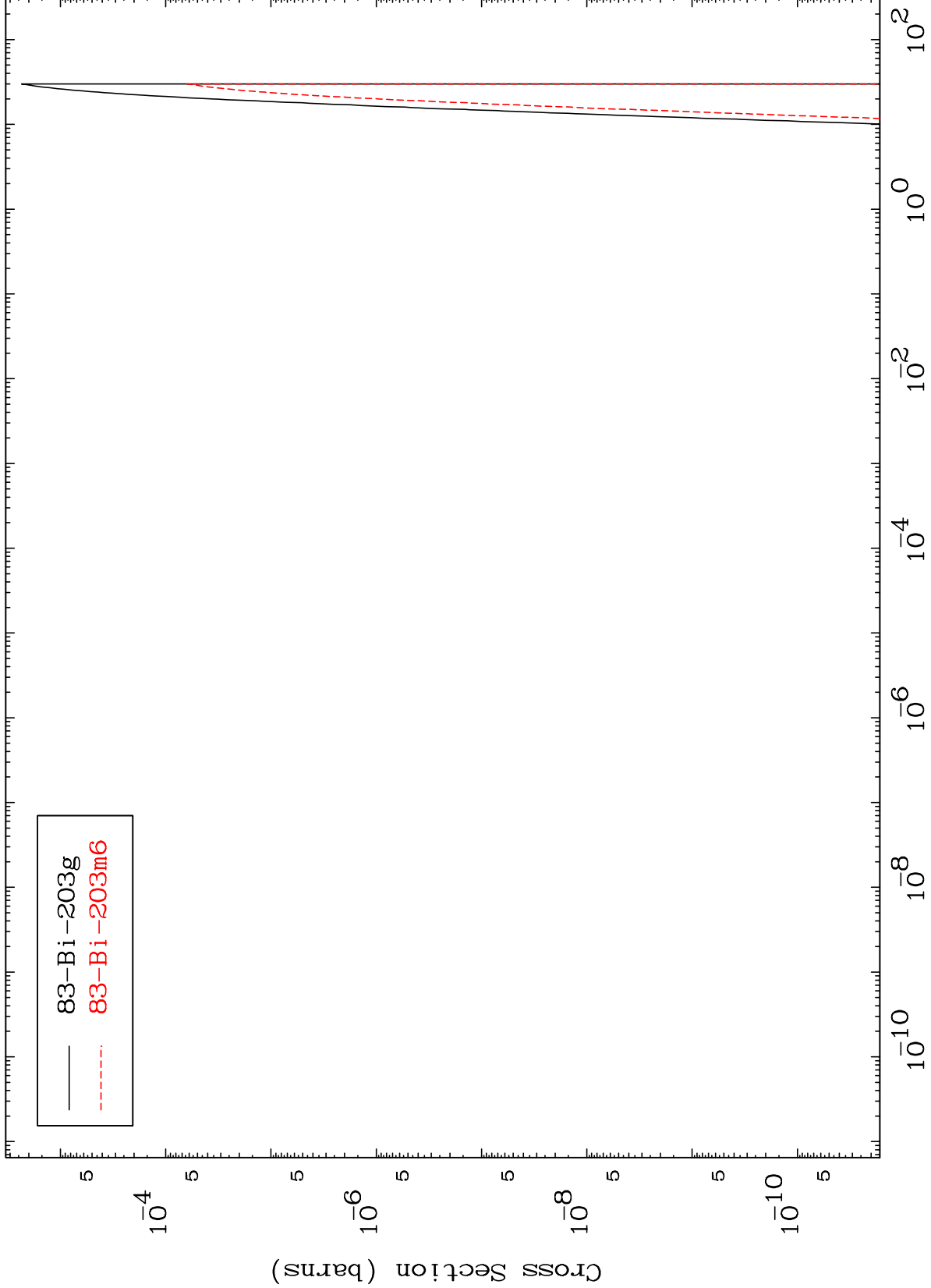
85-At-205

MAT 8531

(n,He-3)

85-At-205

Radionuclide Production Cross Section



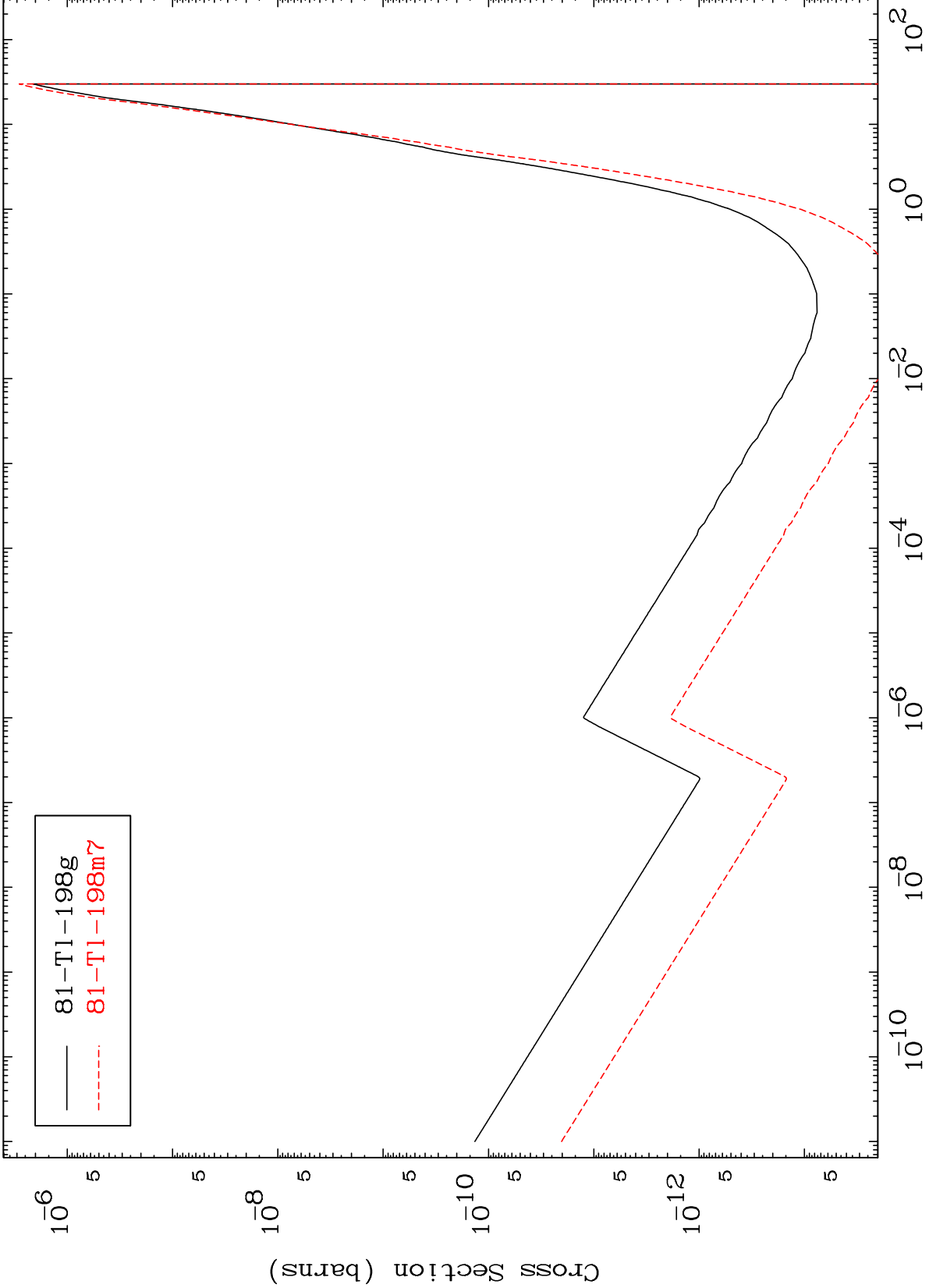
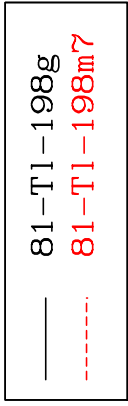
83-Bi-203g
83-Bi-203m6

MAT 8531

(n,2α)

85-At-205

Radionuclide Production Cross Section



67

Incident Energy (MeV)

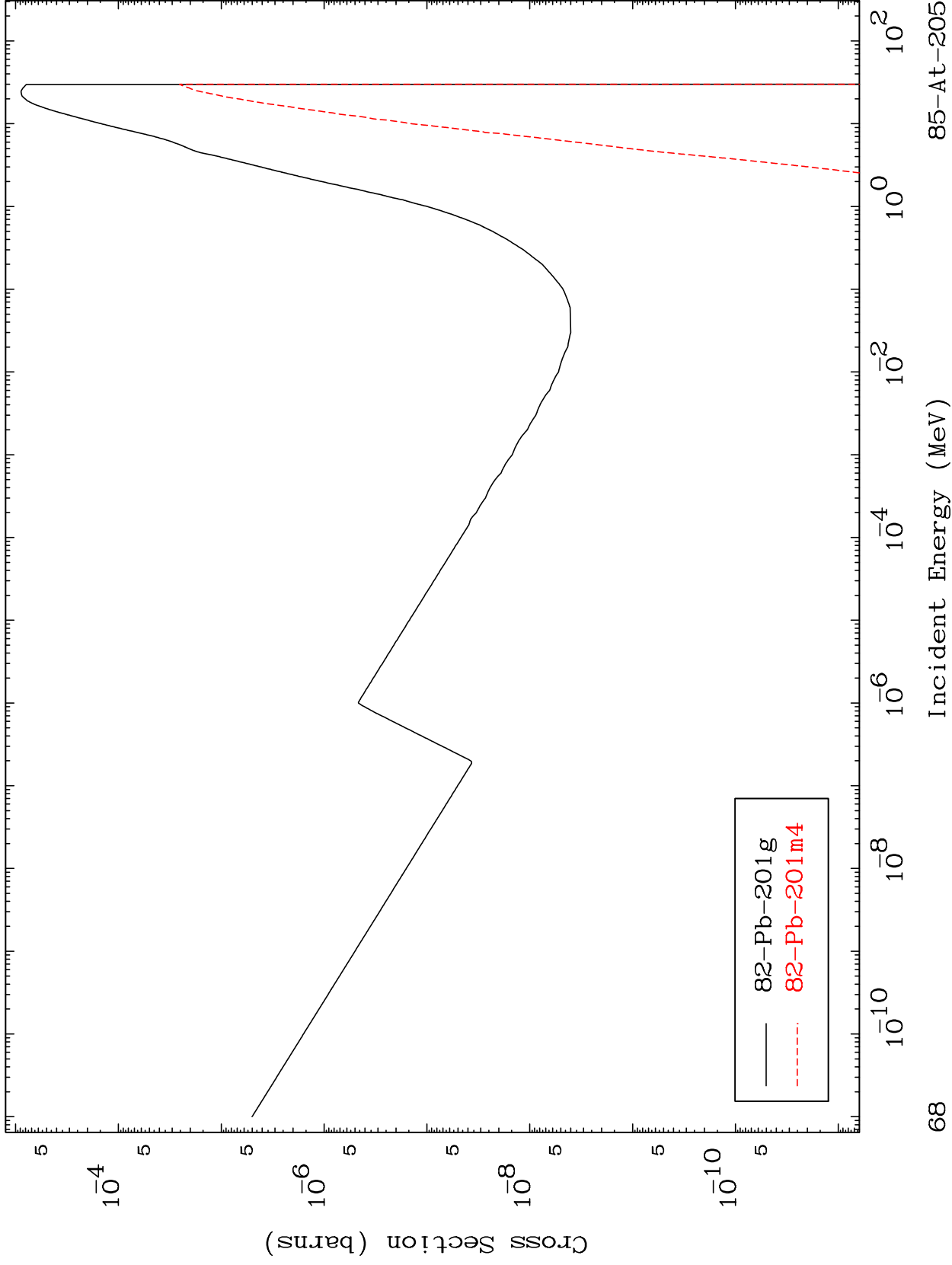
85-At-205

MAT 8531

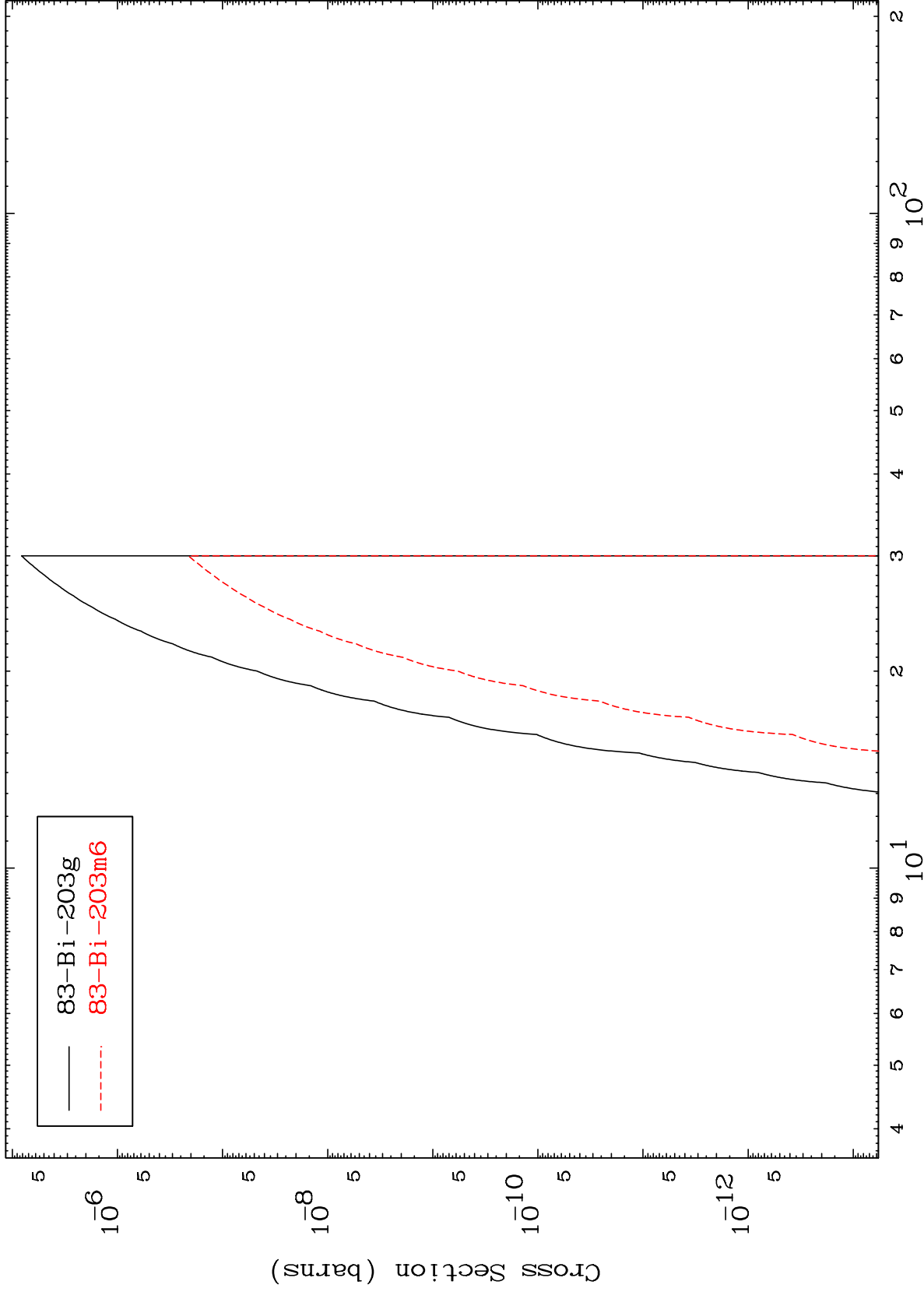
(n,p) α

85-At-205

Radionuclide Production Cross Section



Radionuclide Production Cross Section



— 83-Bi-203g
- - - 83-Bi-203m6