

Program EVALPLOT
(Version 2017-1)

by

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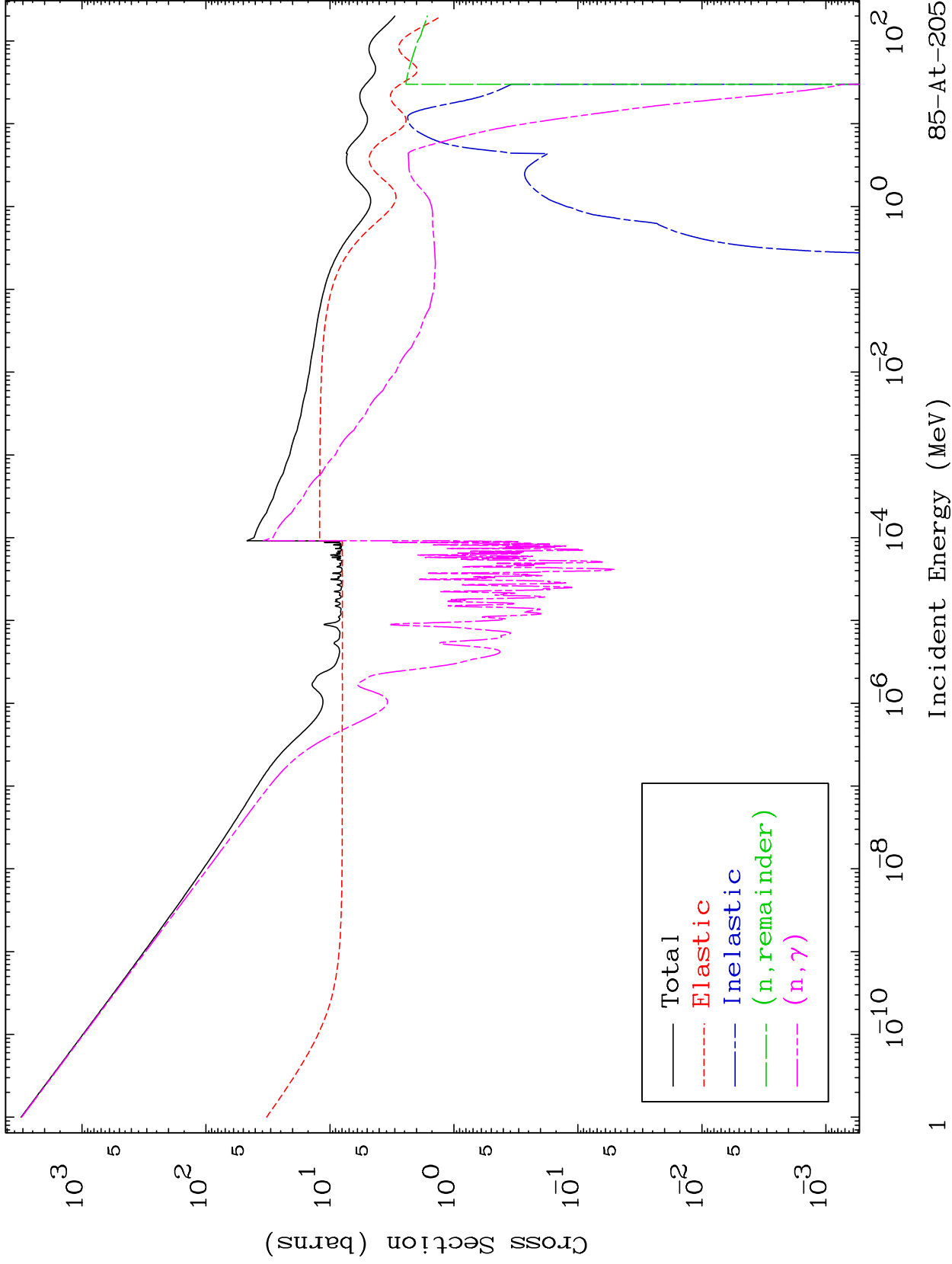
Press Mouse Button to Start

MAT 8531

Major

293 Kelvin Cross Sections

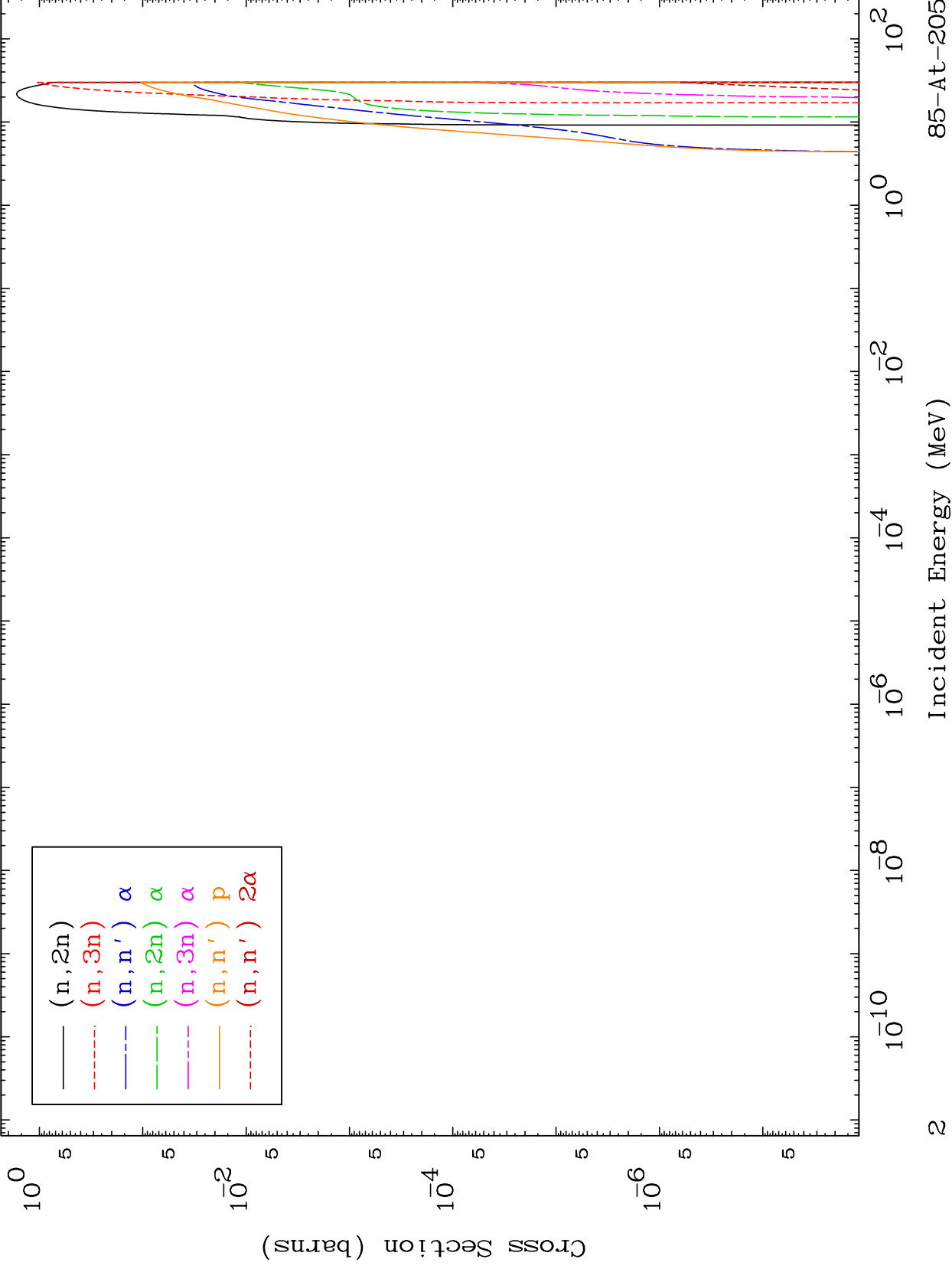
85-At-205

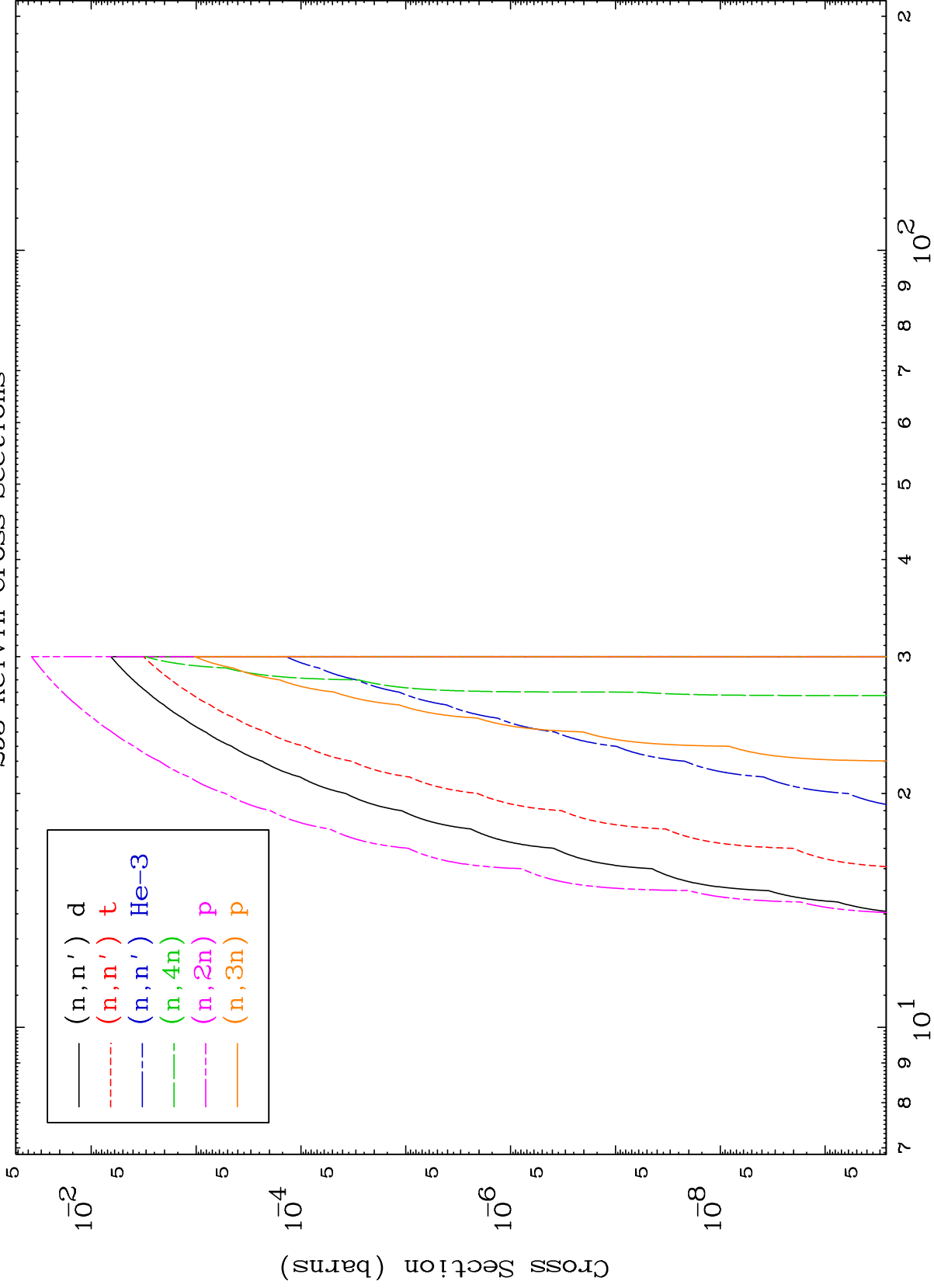


MAT 8531

Neutron Production
293 Kelvin Cross Sections

85-At-205

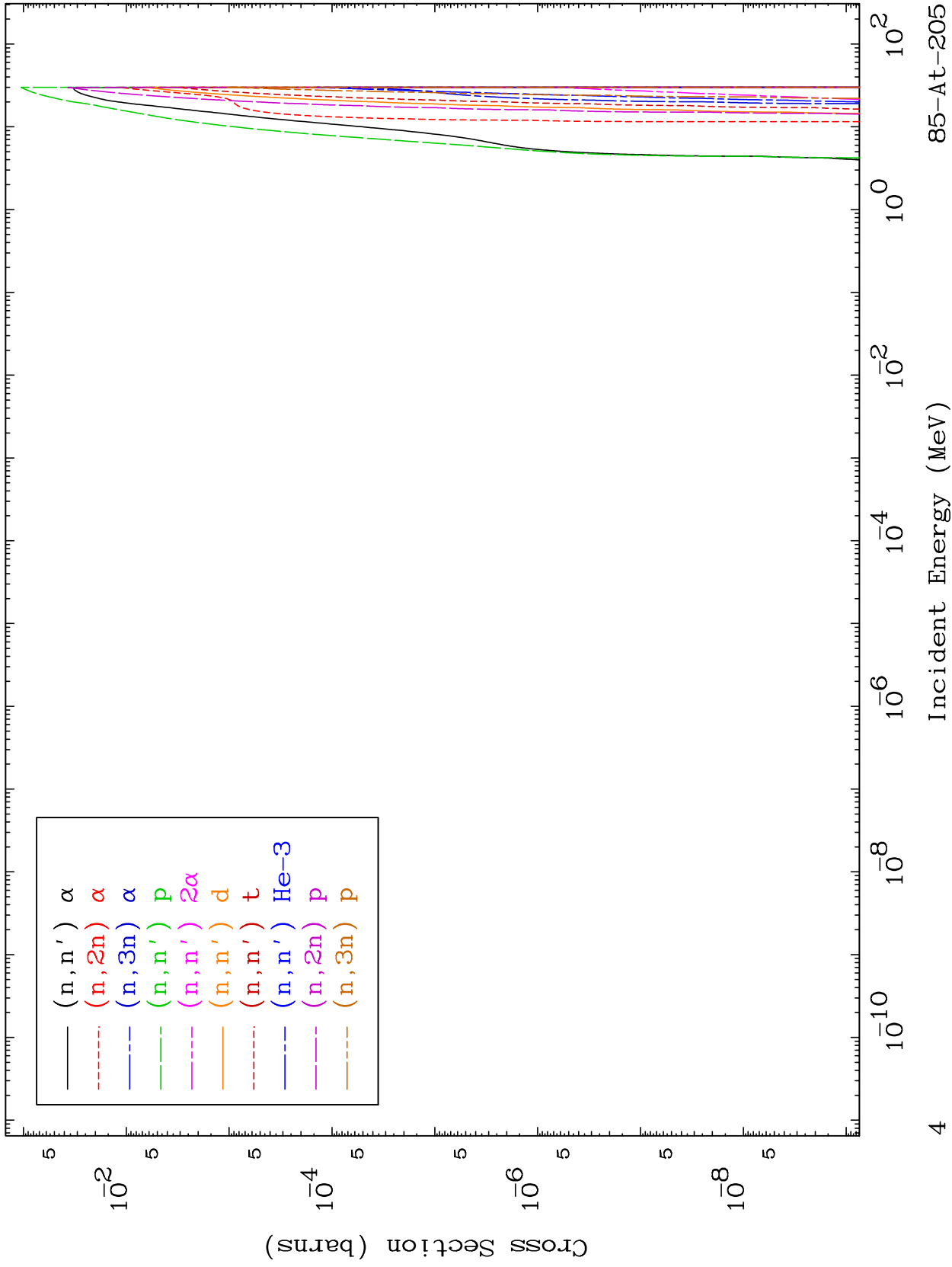




MAT 8531

Charged Particle
293 Kelvin Cross Sections

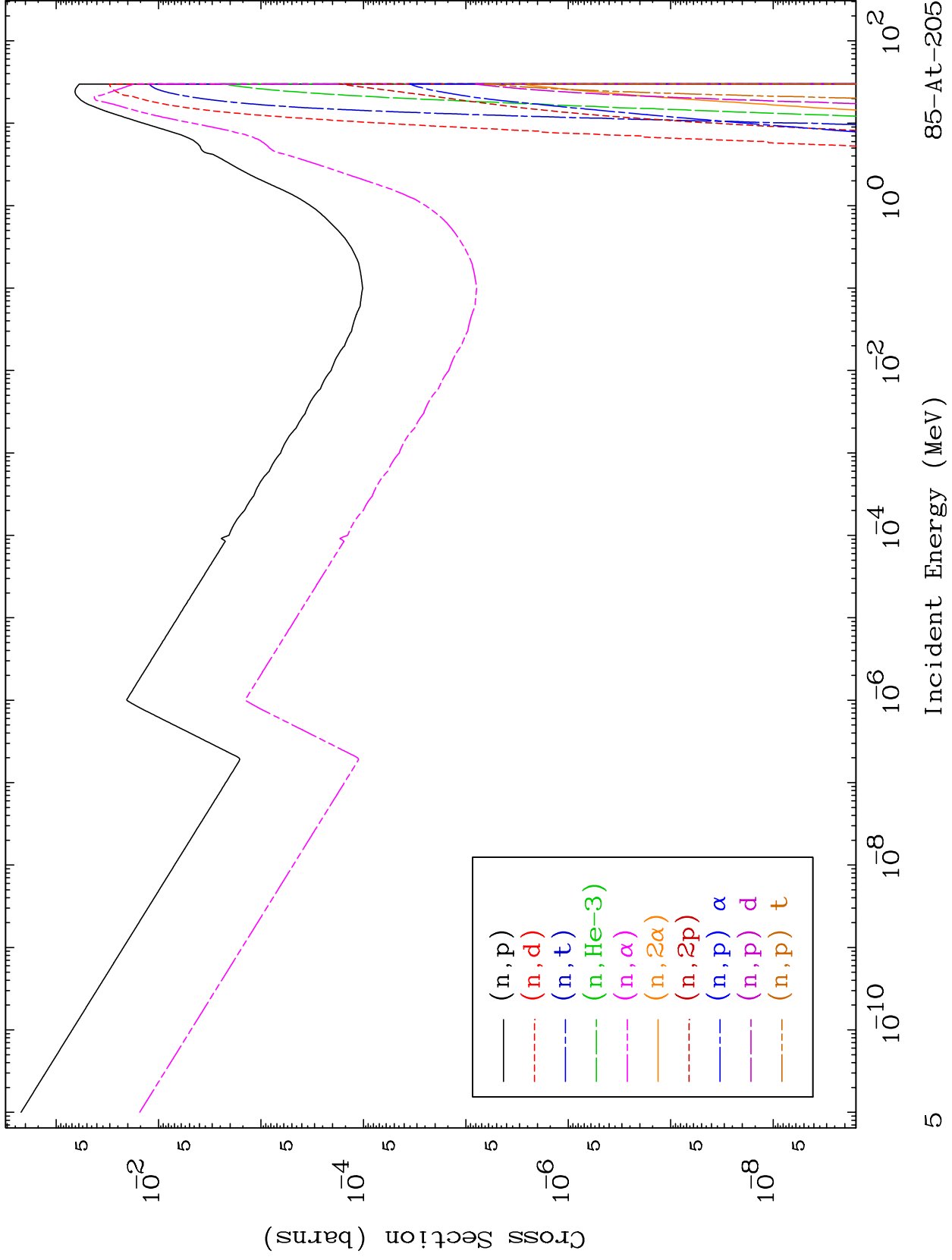
85-At-205



MAT 8531

Charged Particle
293 Kelvin Cross Sections

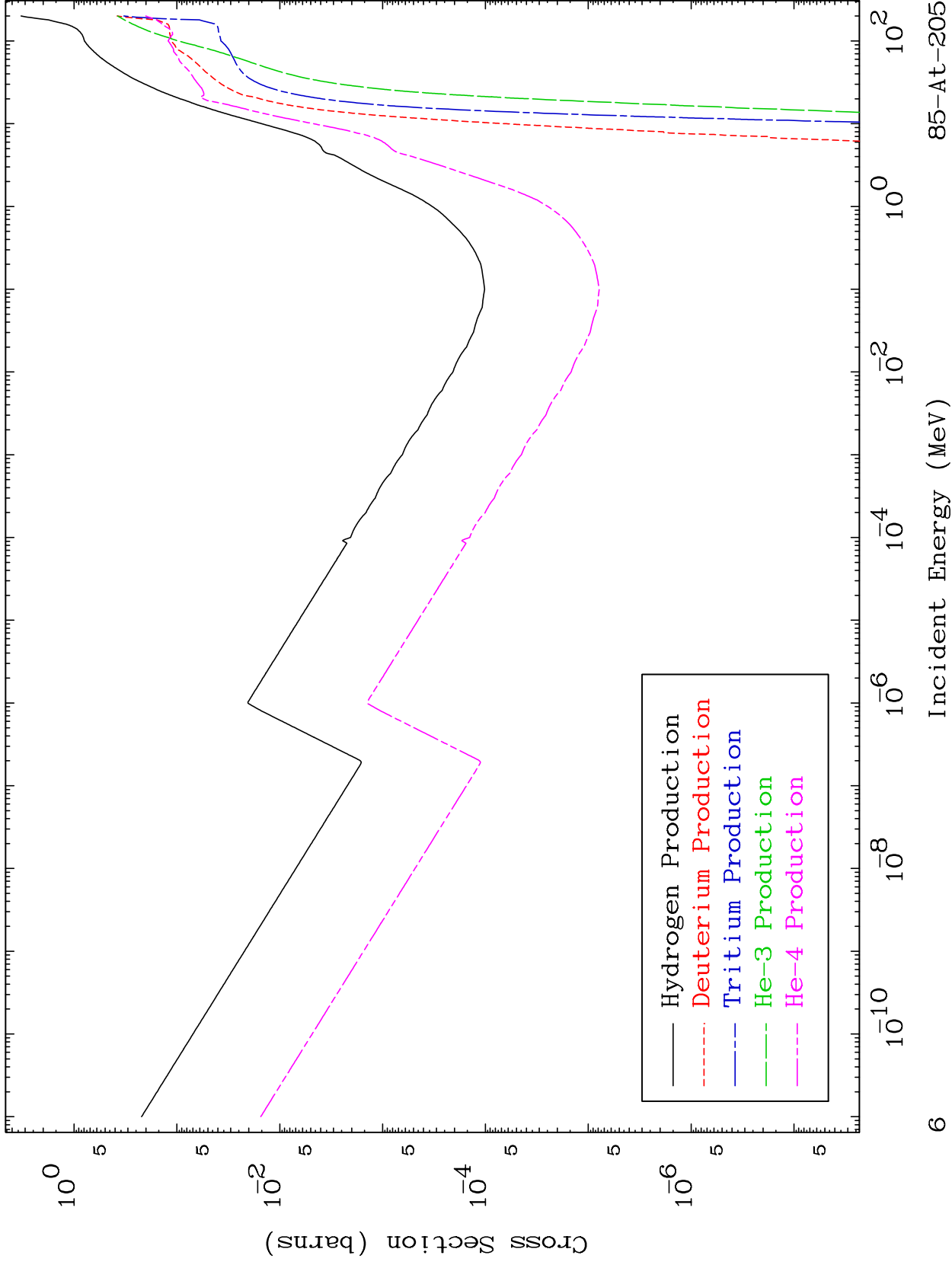
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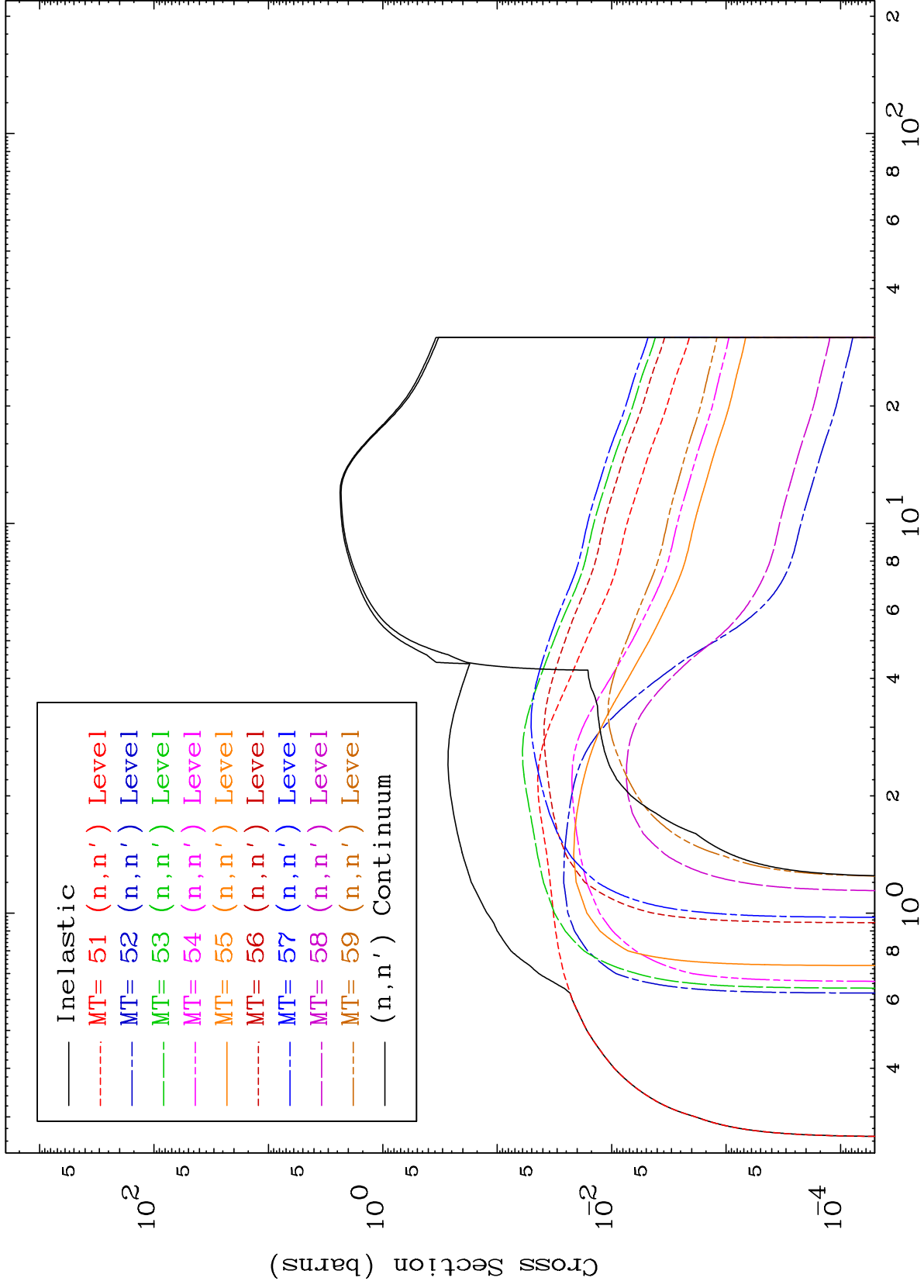


MAT 8531

Particle Production
293 Kelvin Cross Sections

85-At-205

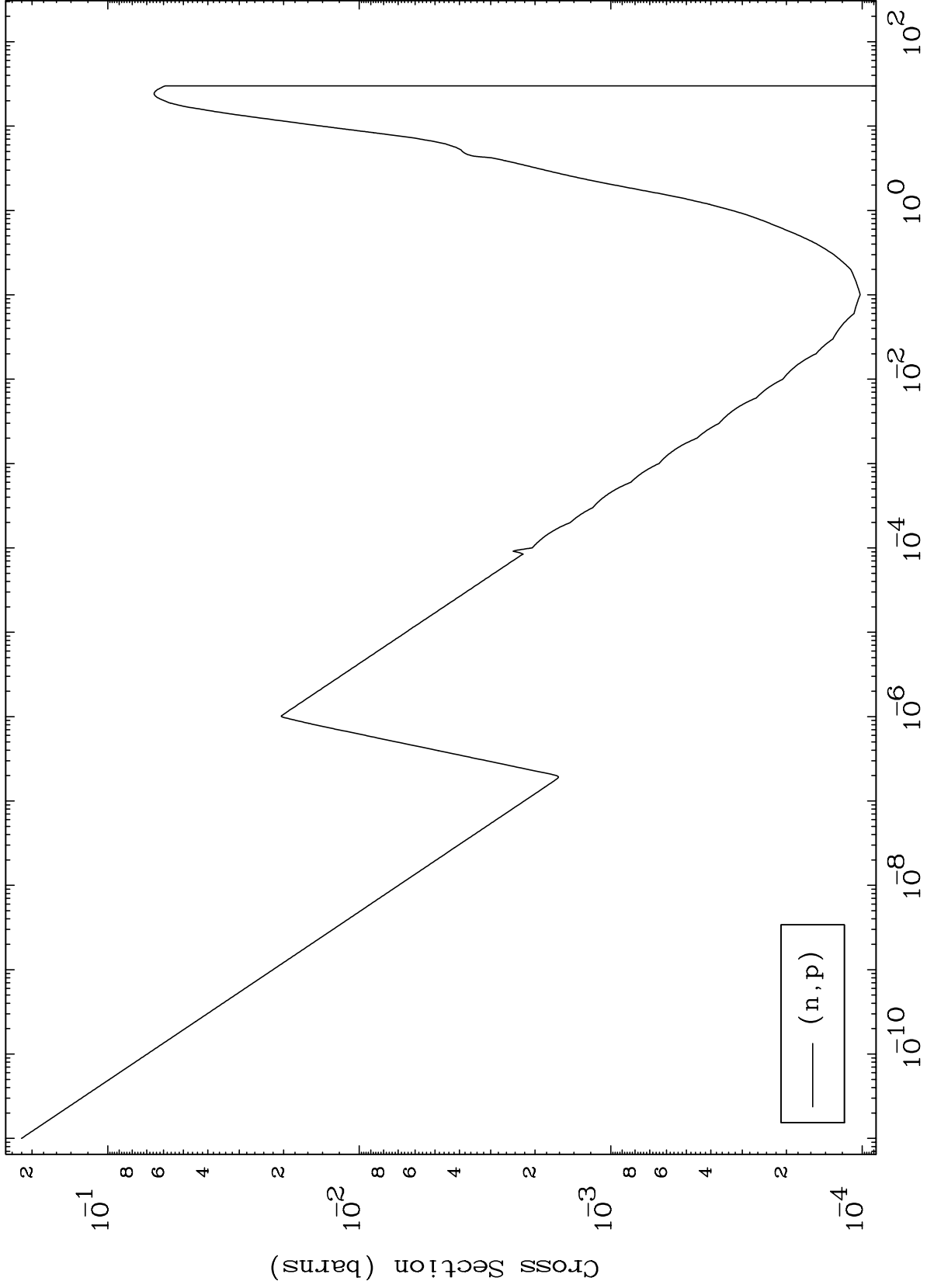




MAT 8531

(n,p) Levels
293 Kelvin Cross Sections

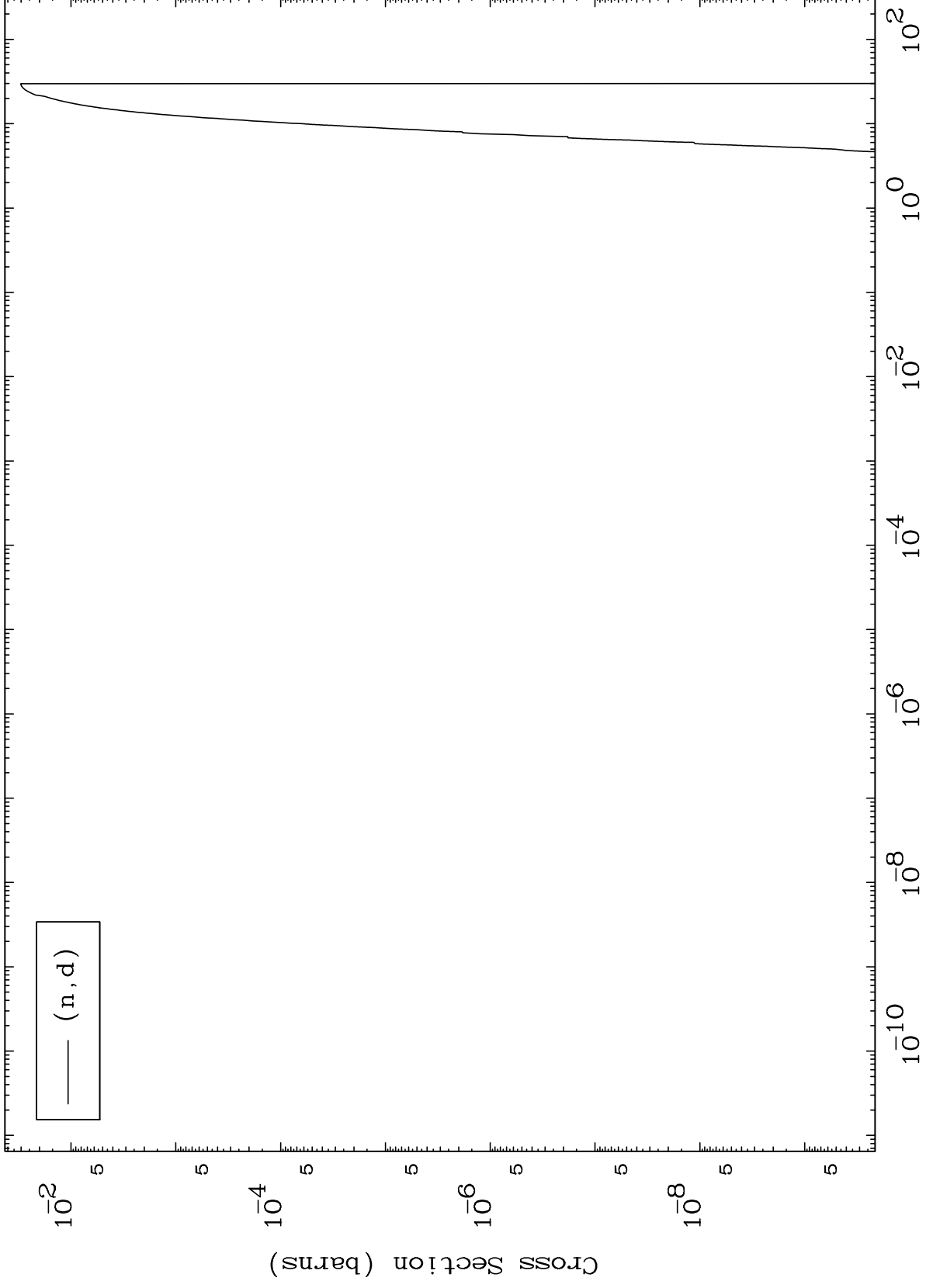
85-At-205



MAT 8531

(n,d) Levels
293 Kelvin Cross Sections

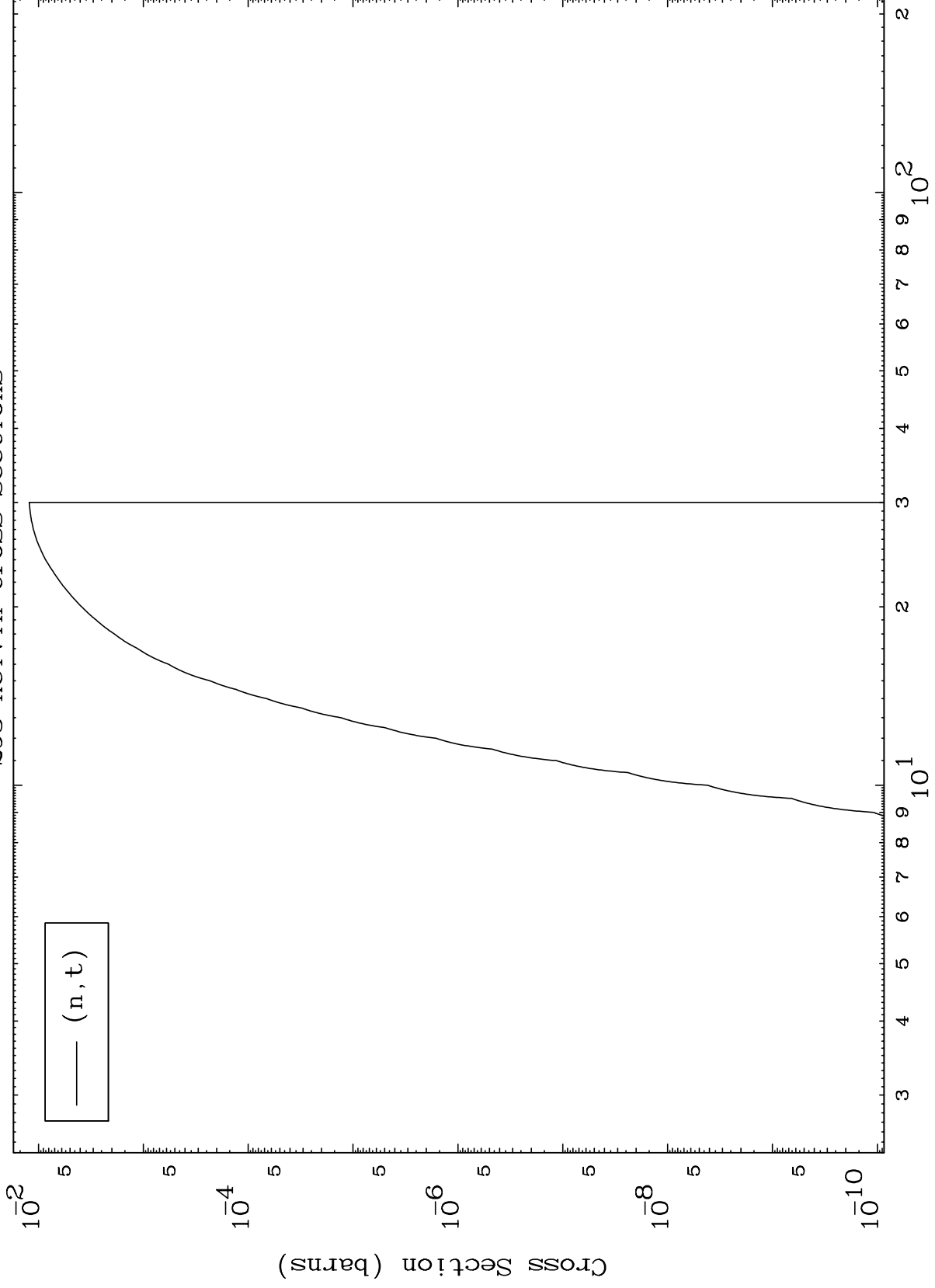
85-At-205



MAT 8531

(n,t) Levels
293 Kelvin Cross Sections

85-At-205



10

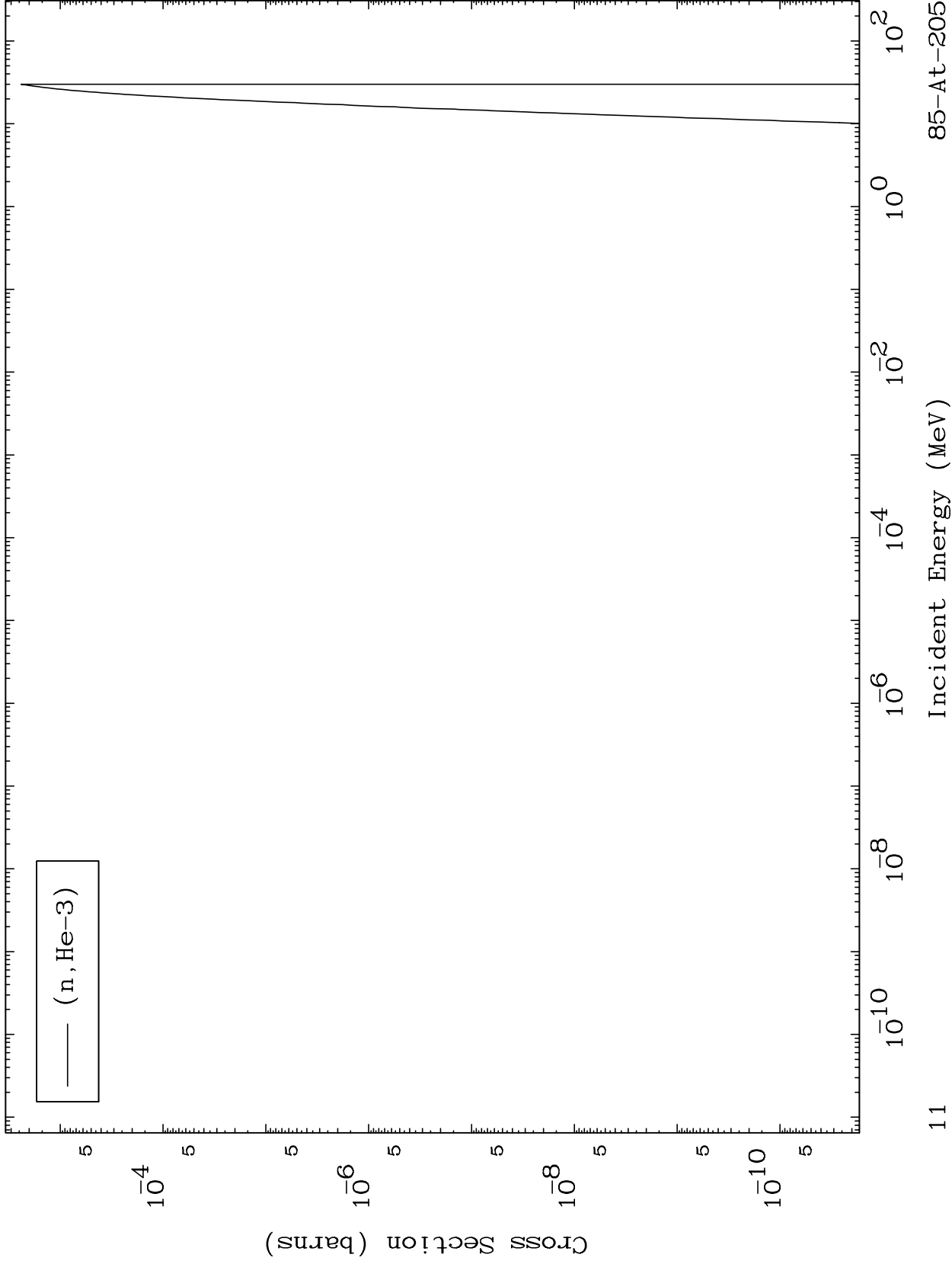
Incident Energy (MeV)

85-At-205

MAT 8531

(n,He3) Levels
293 Kelvin Cross Sections

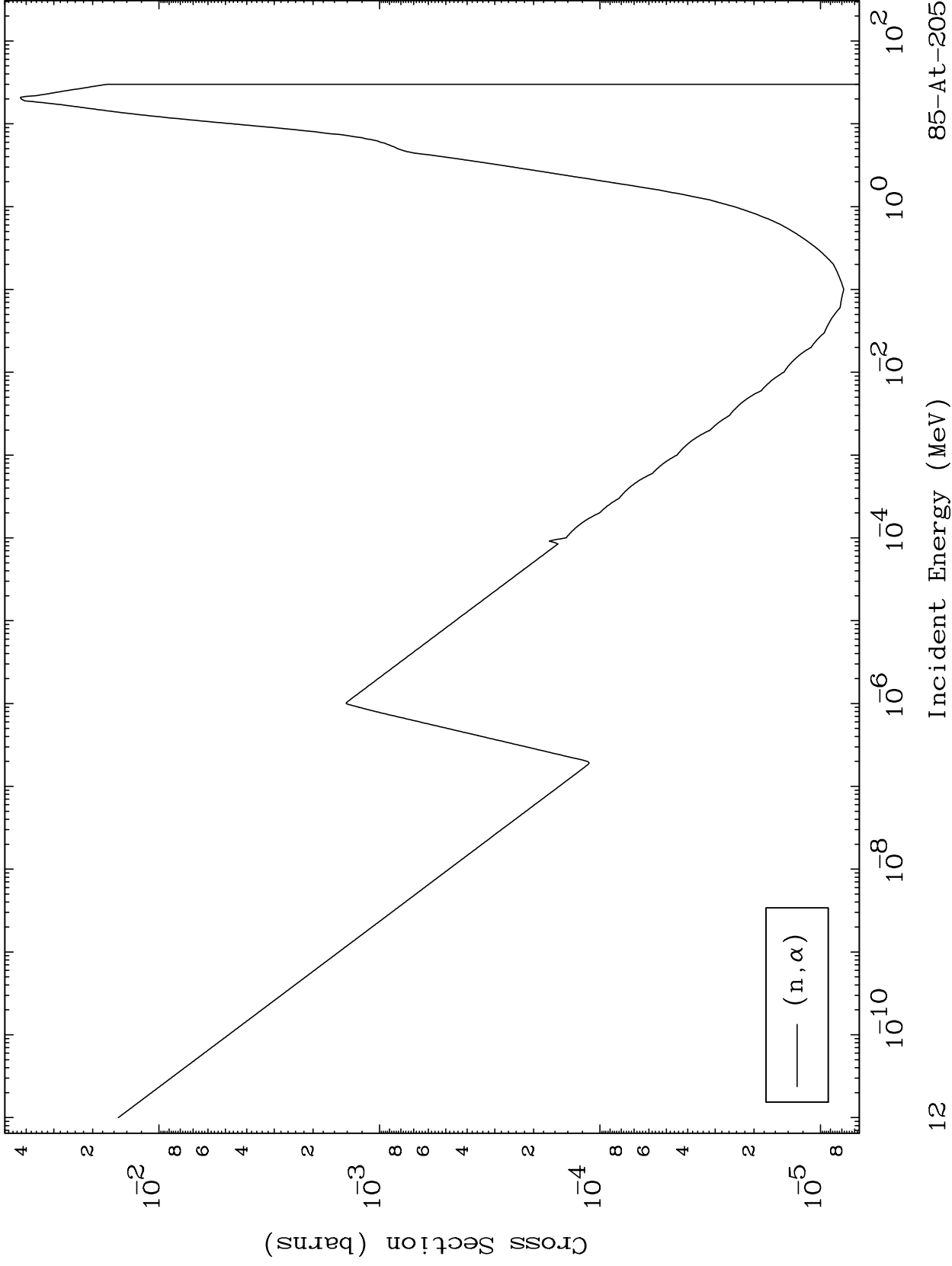
85-At-205

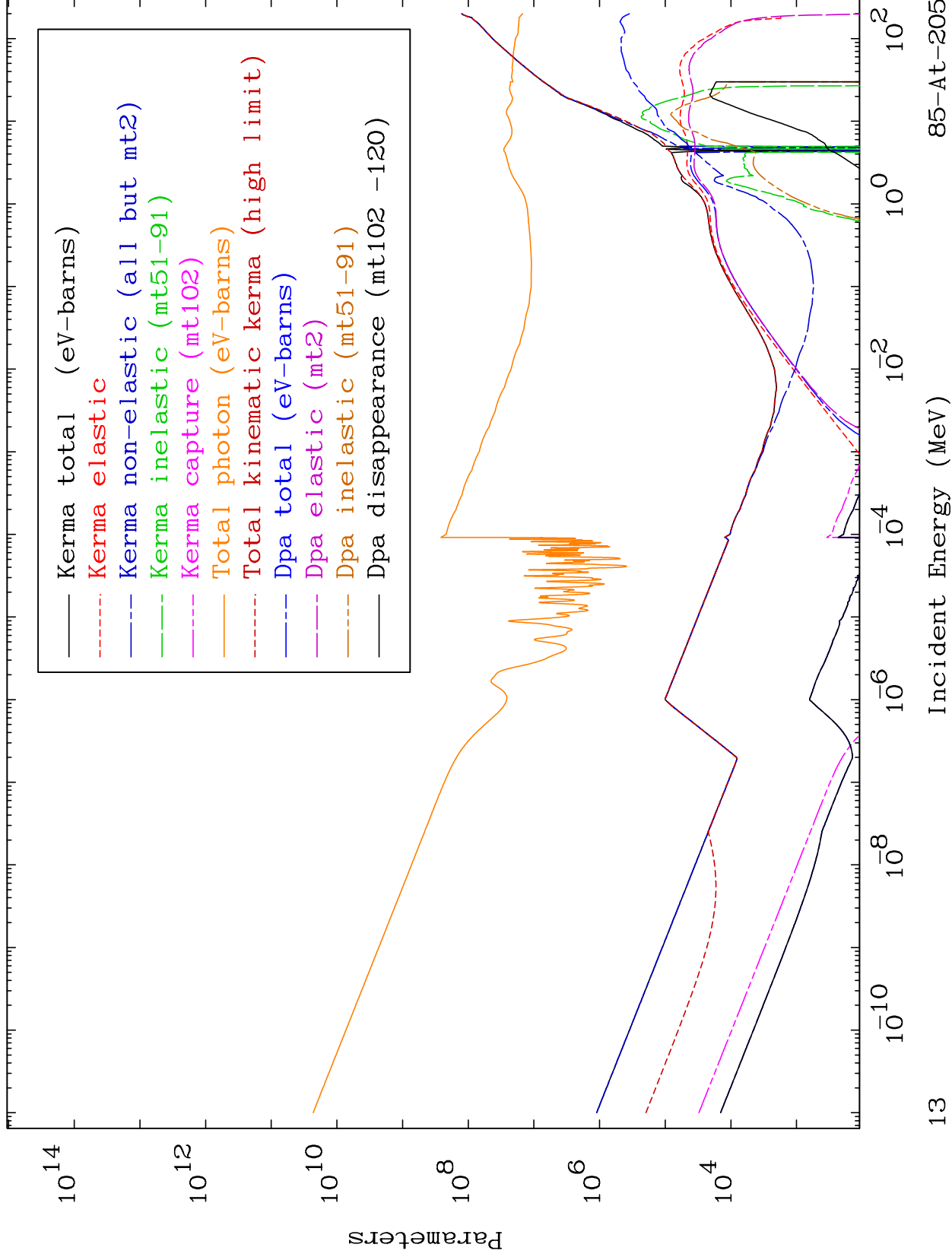


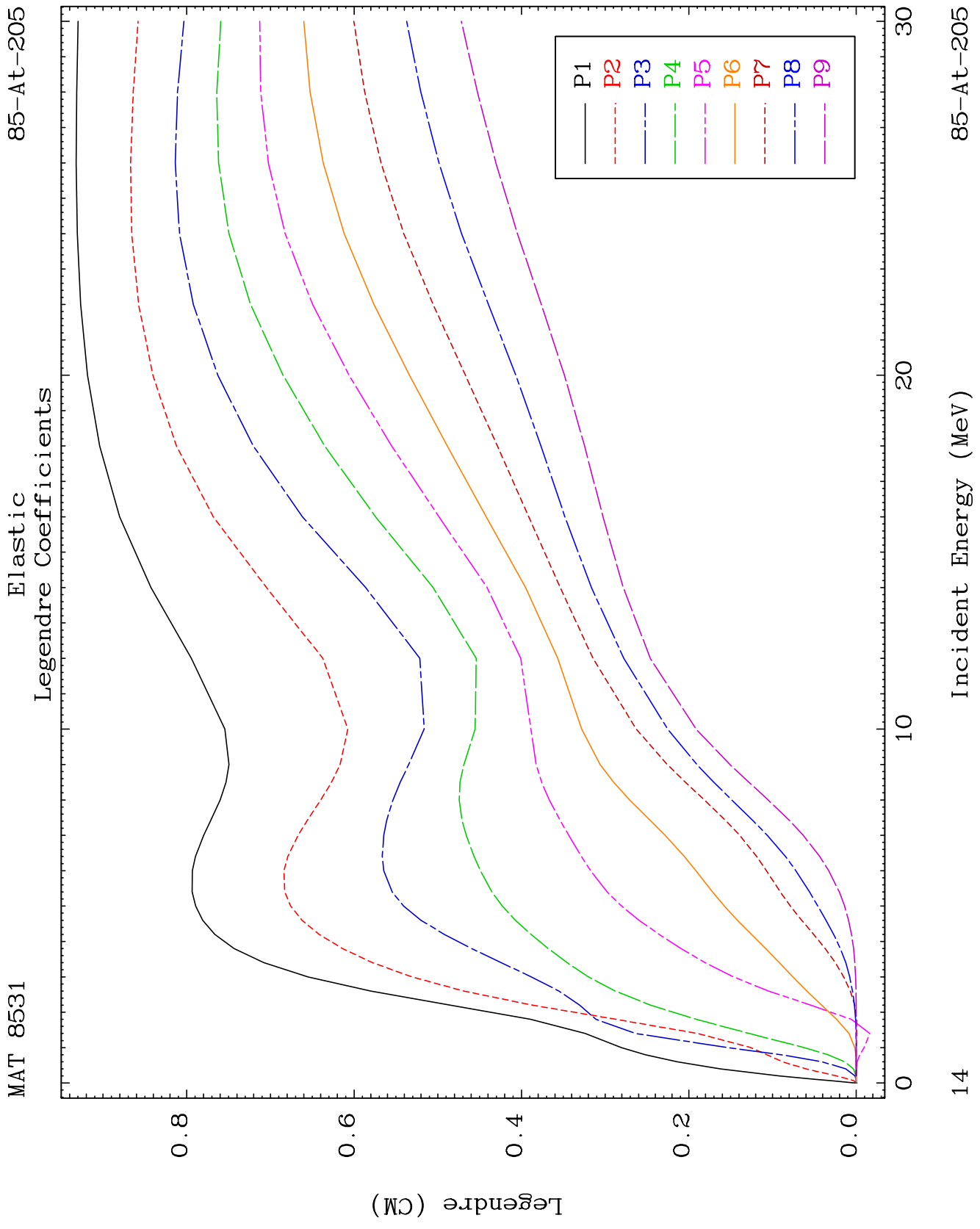
MAT 8531

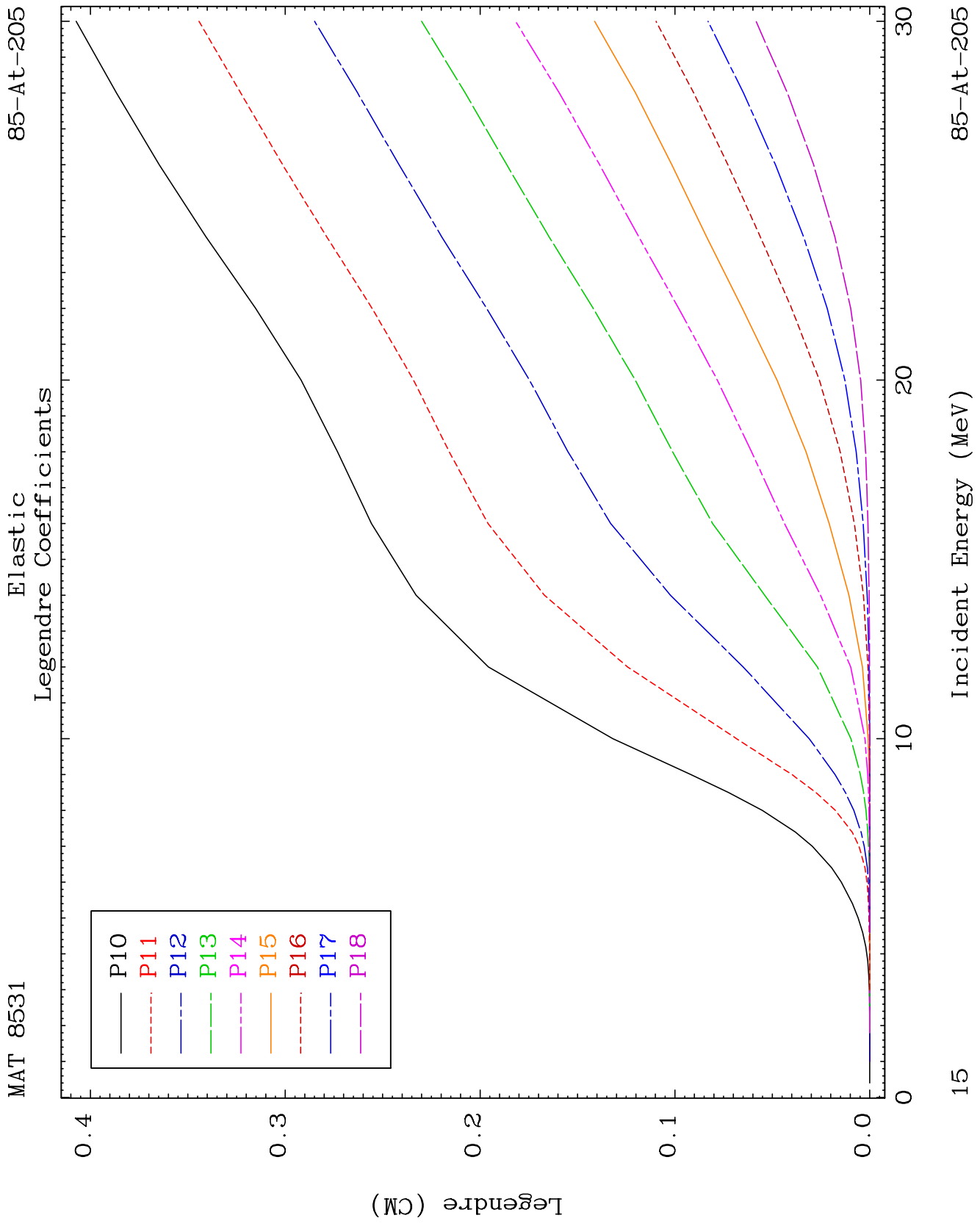
(n,α) Levels
293 Kelvin Cross Sections

85-At-205





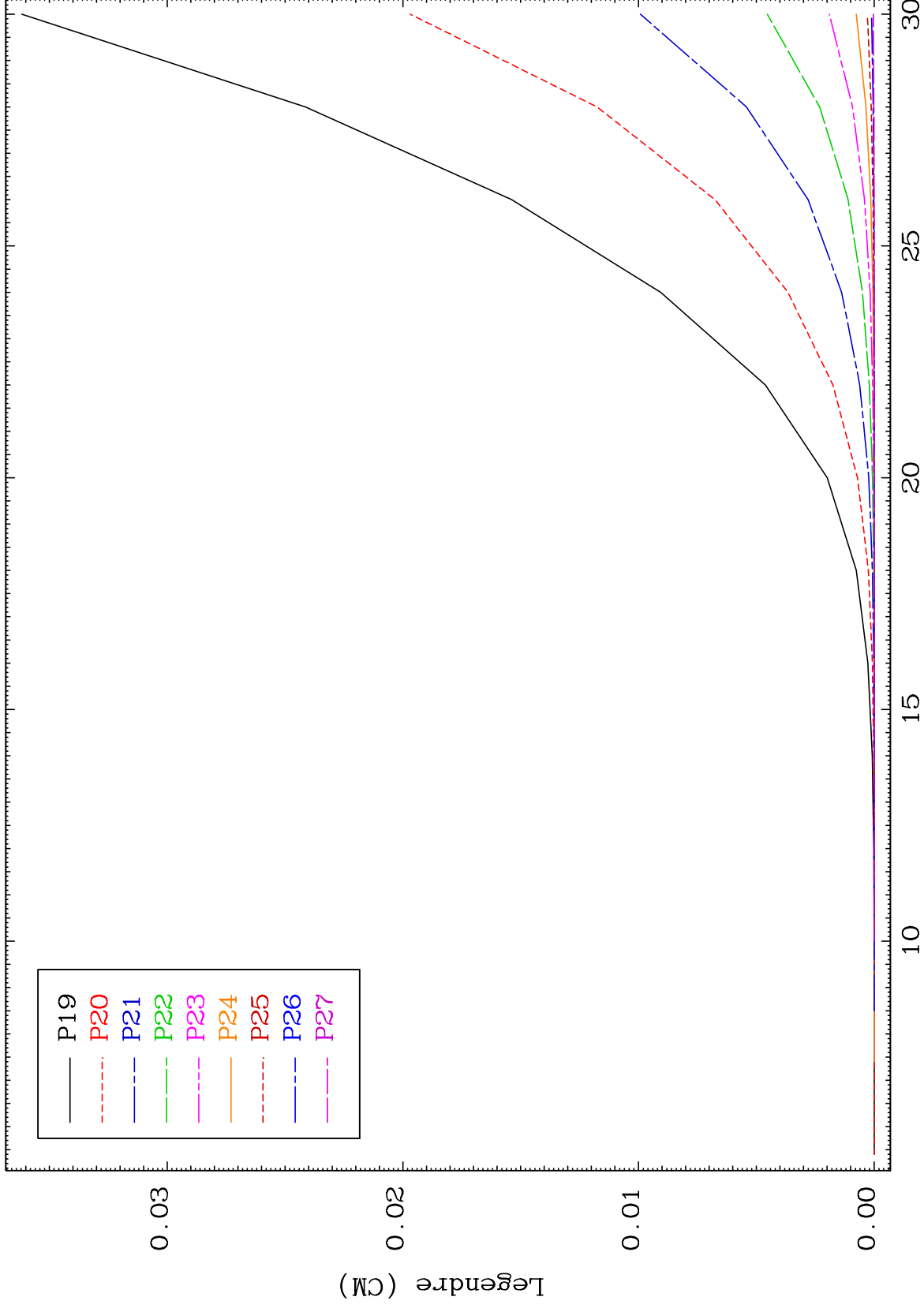




MAT 8531

Elastic
Legendre Coefficients

85-At-205



16

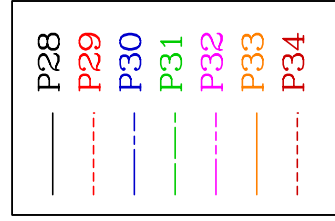
Incident Energy (MeV)

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

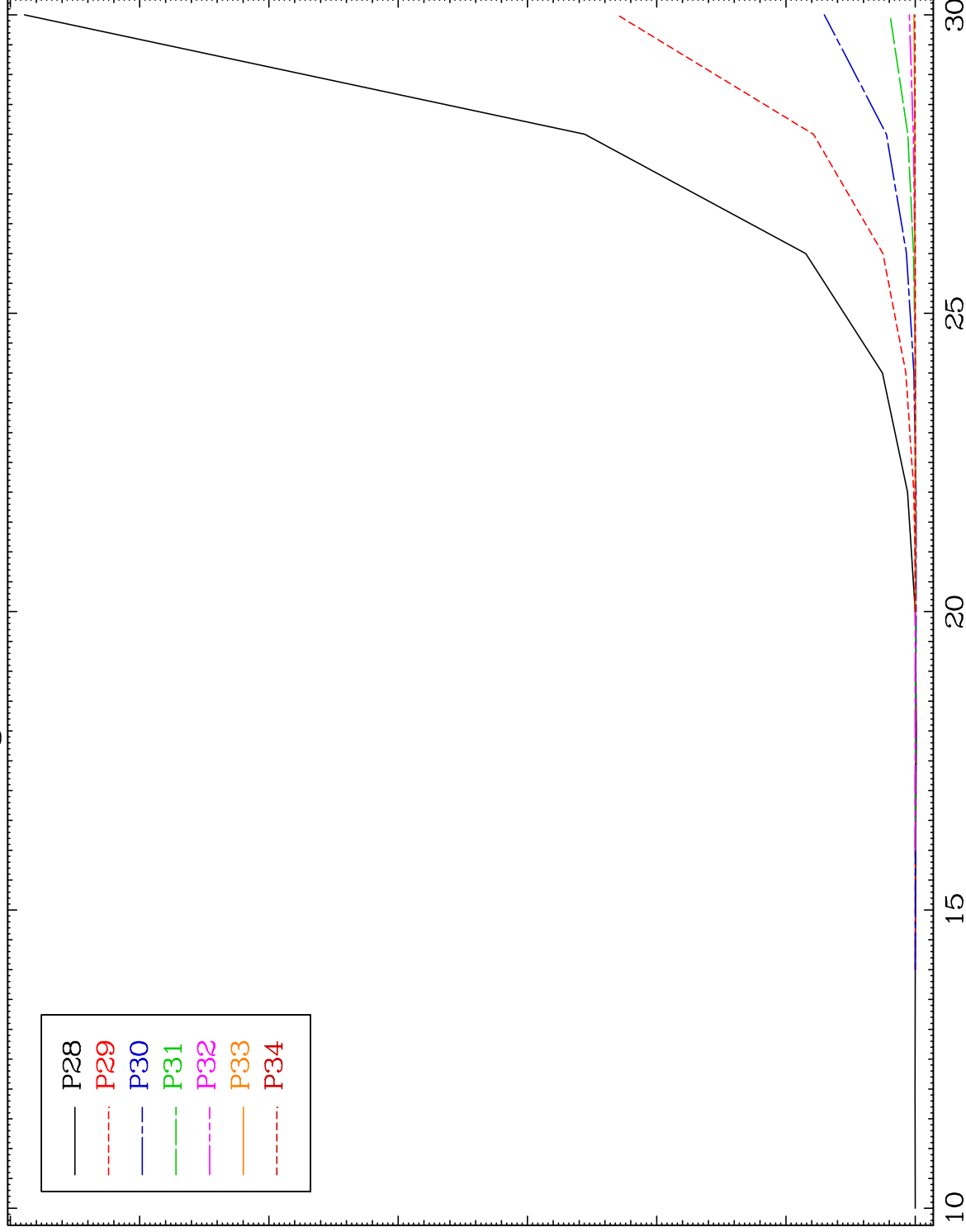
25

30

17

Incident Energy (MeV)

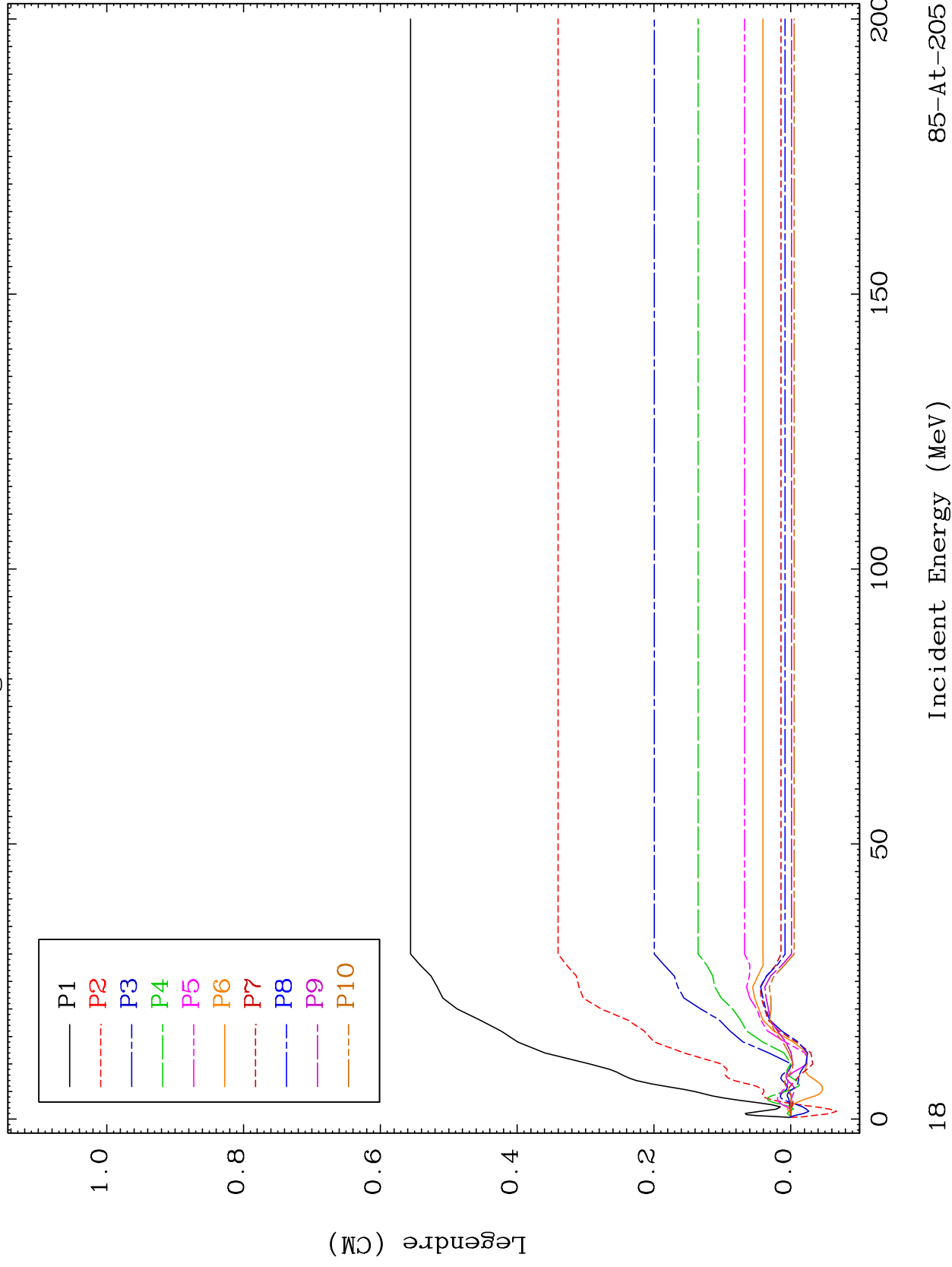
85-At-205



MAT 8531

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

85-At-205

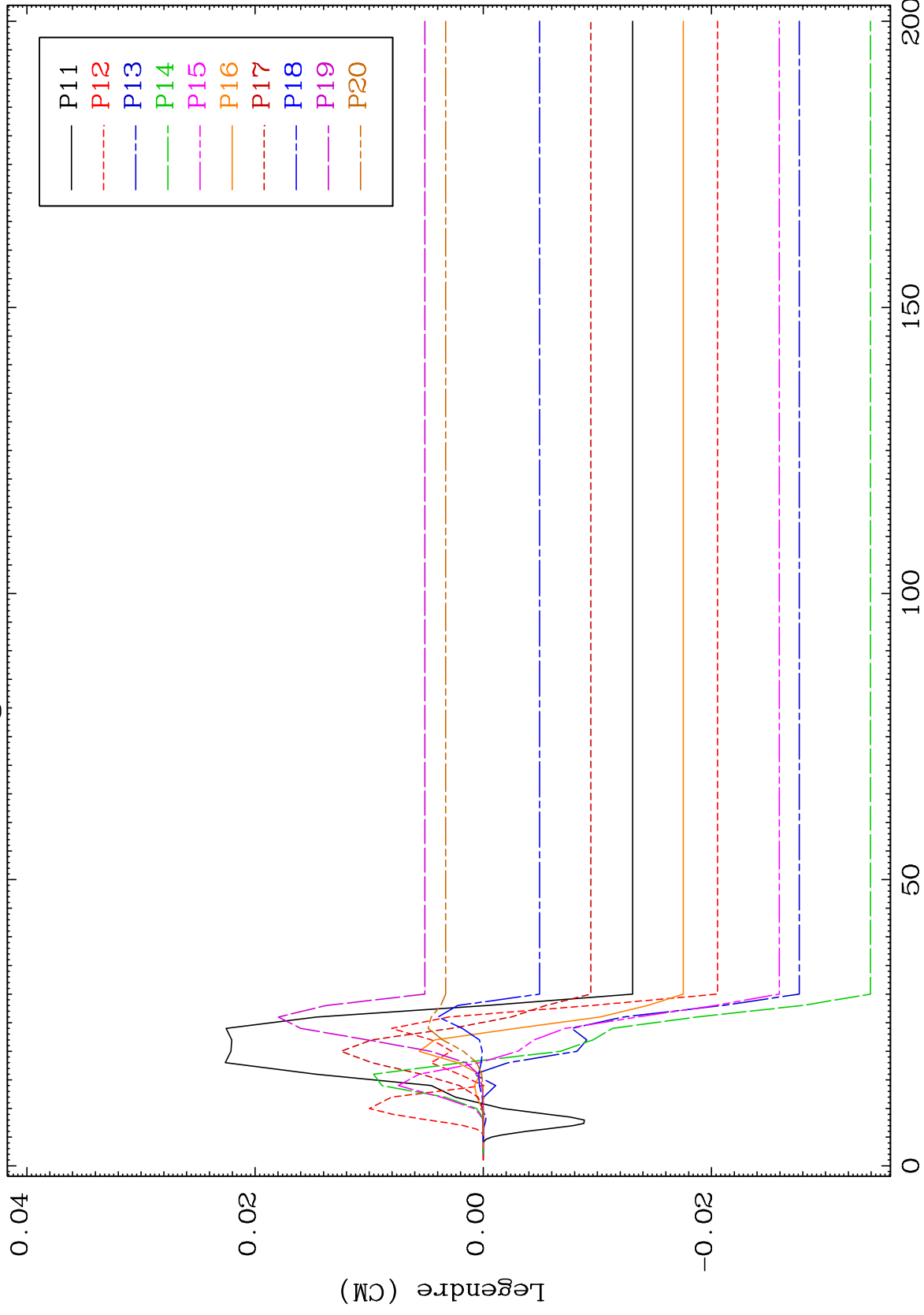


18

MAT 8531

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

85-At-205



19

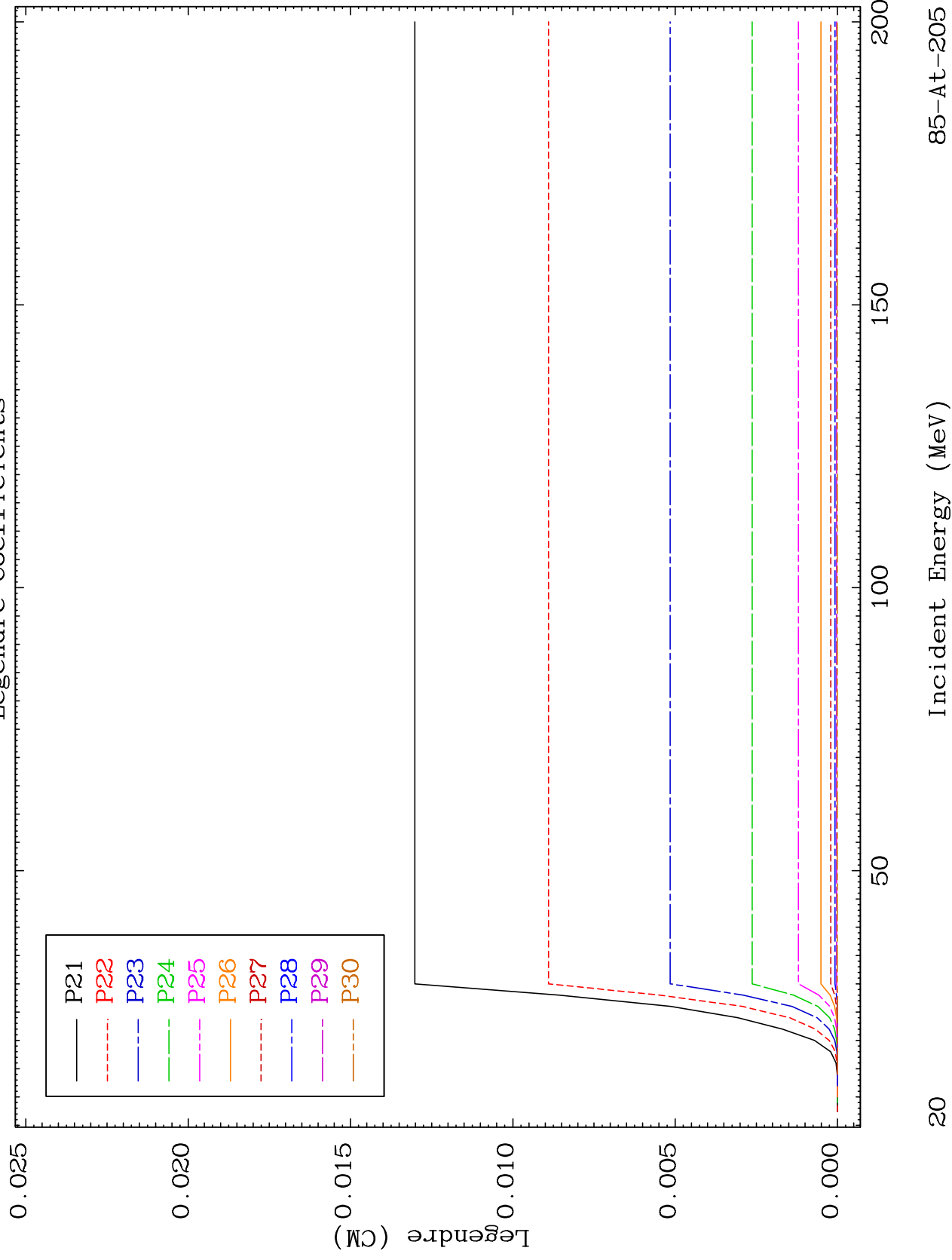
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



85-At-205

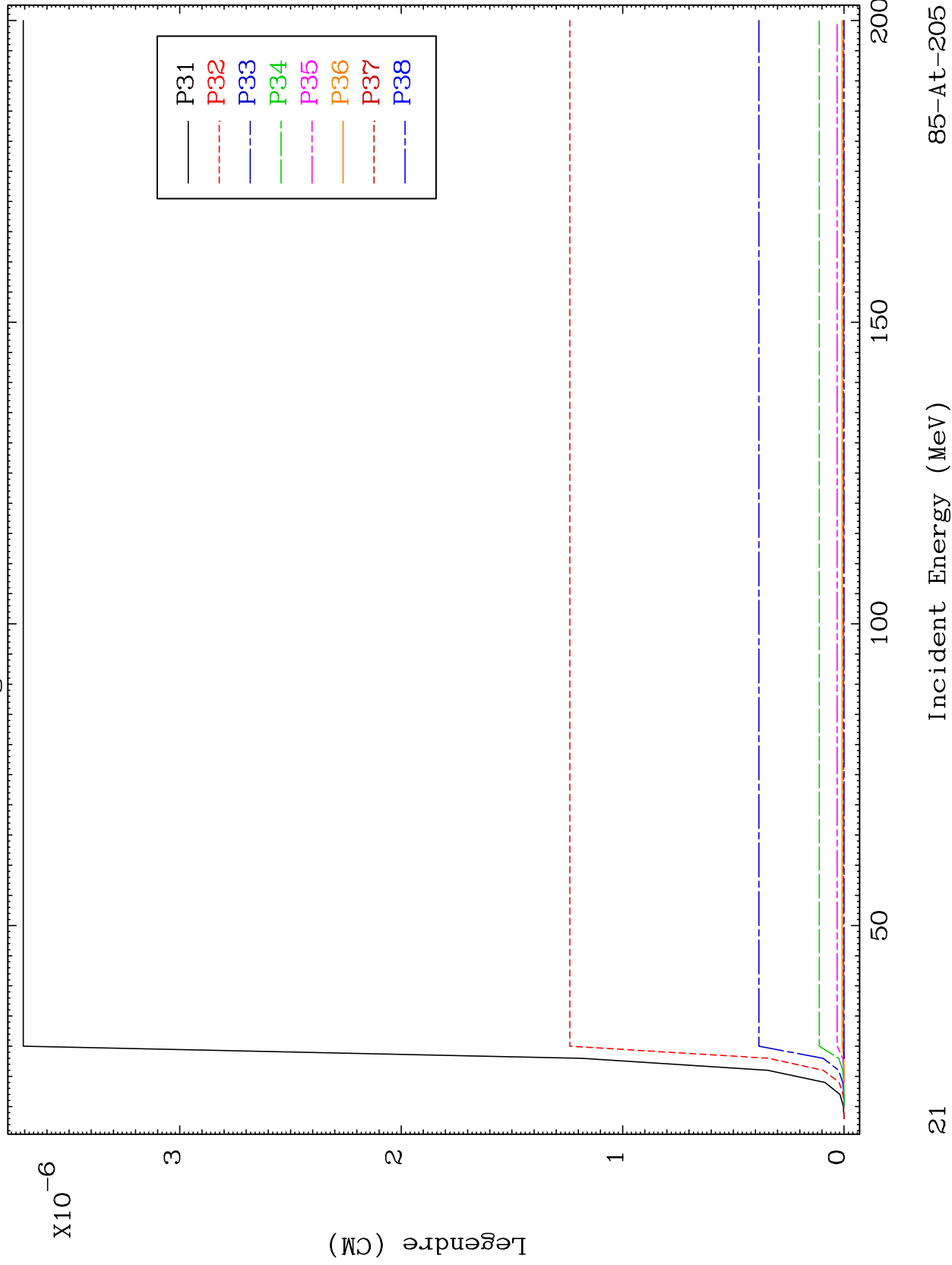
Incident Energy (MeV)

20

MAT 8531

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

85-At-205



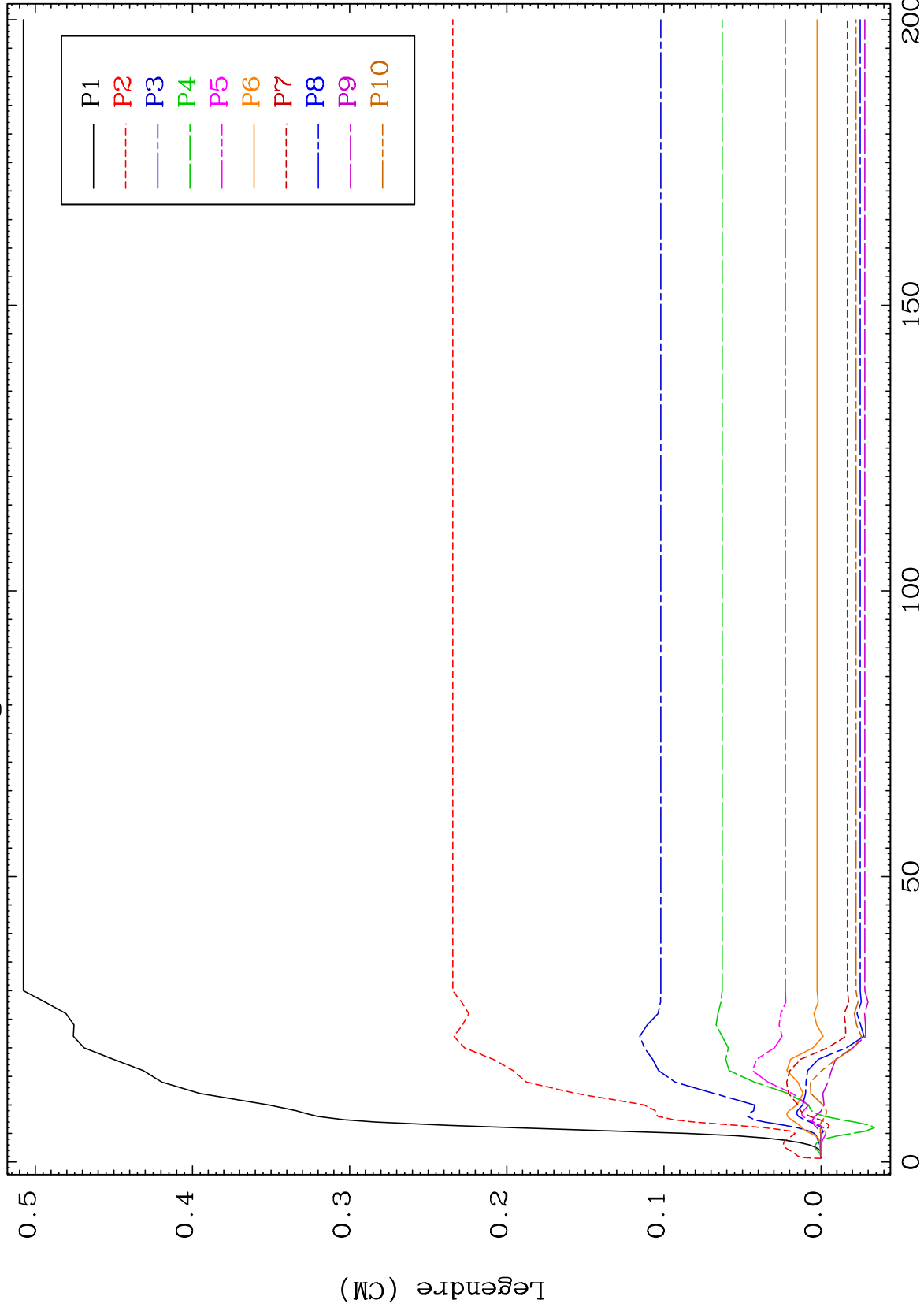
21

85-At-205

MAT 8531

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

85-At-205



22

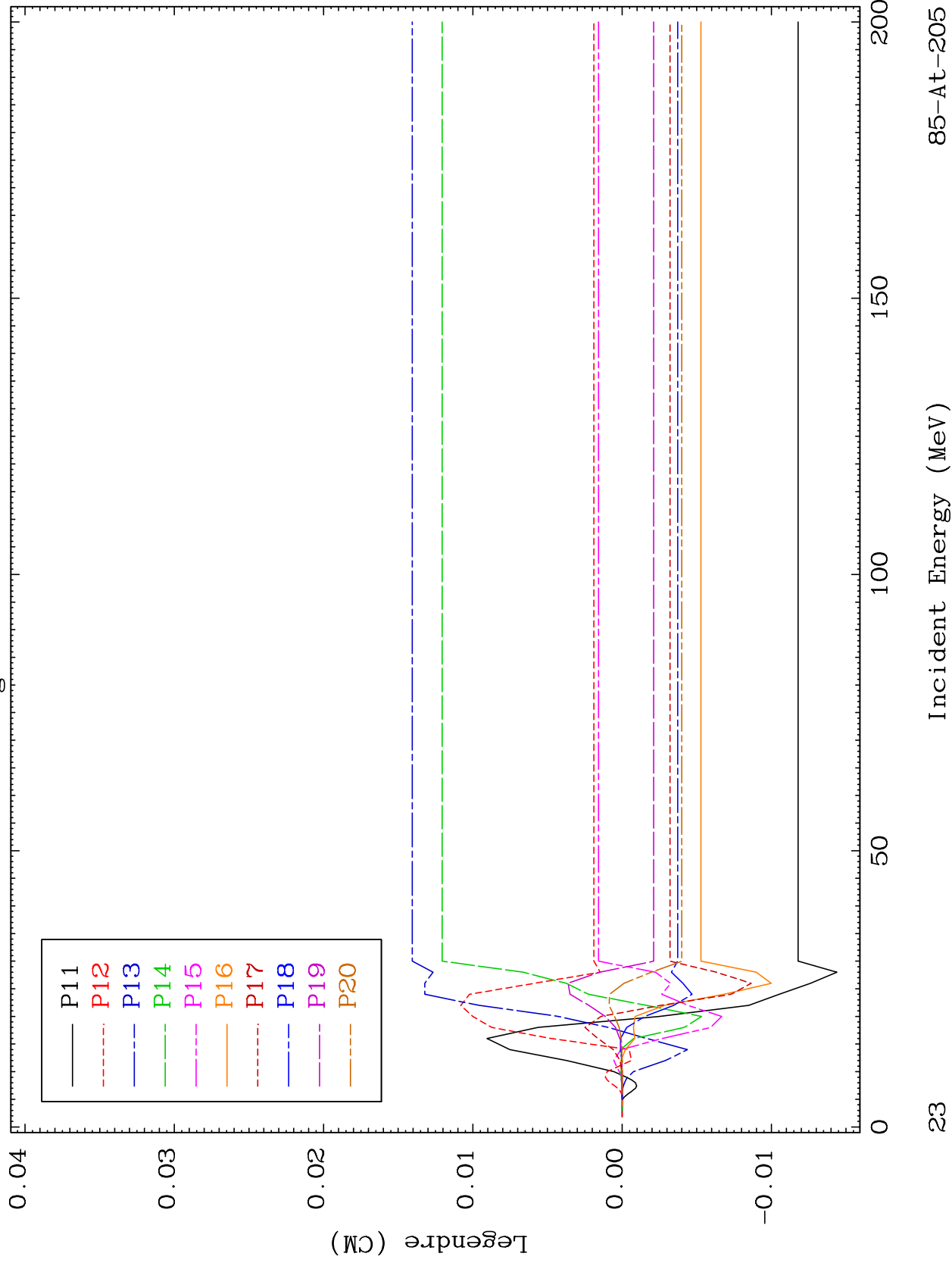
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



23

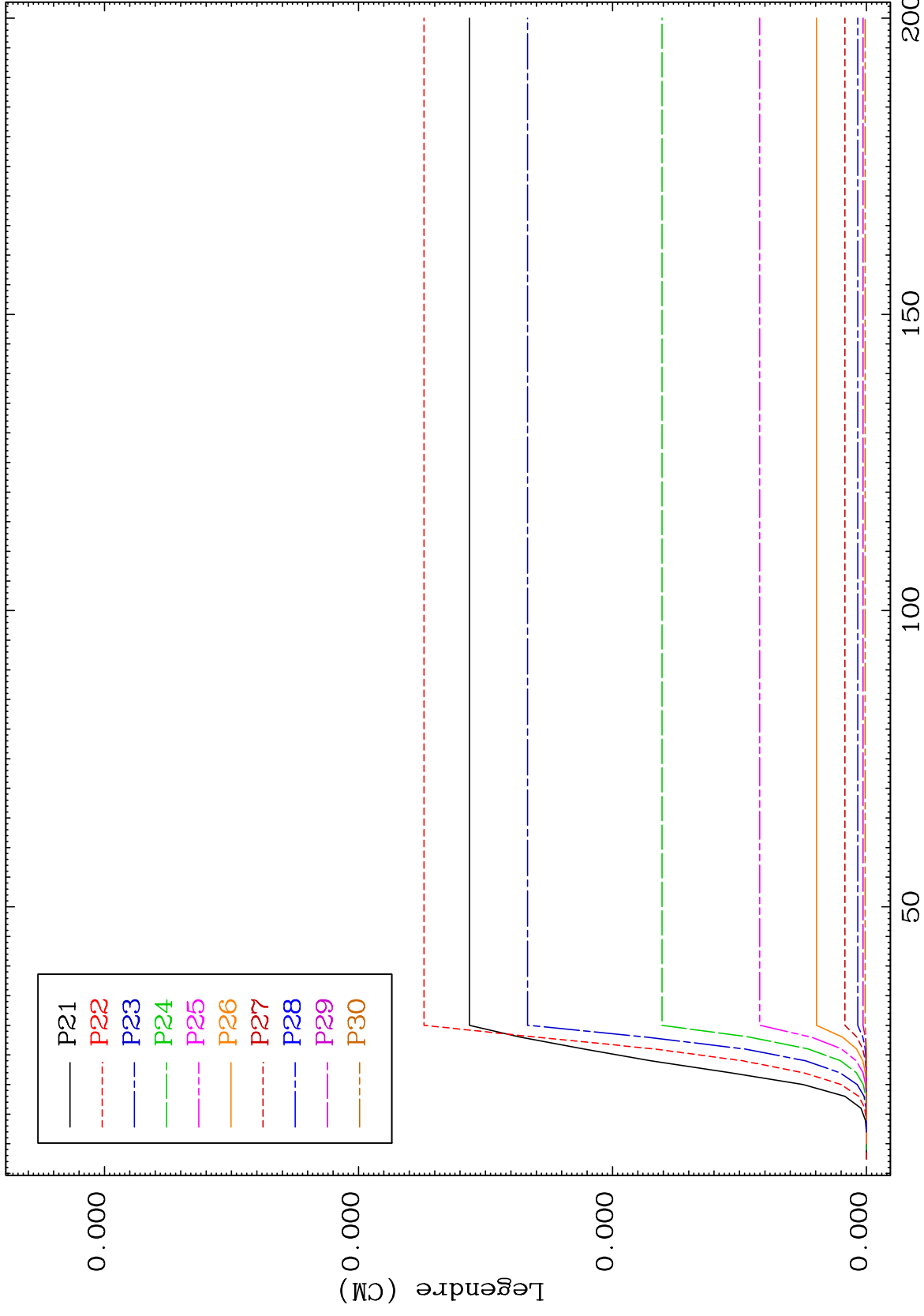
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



24

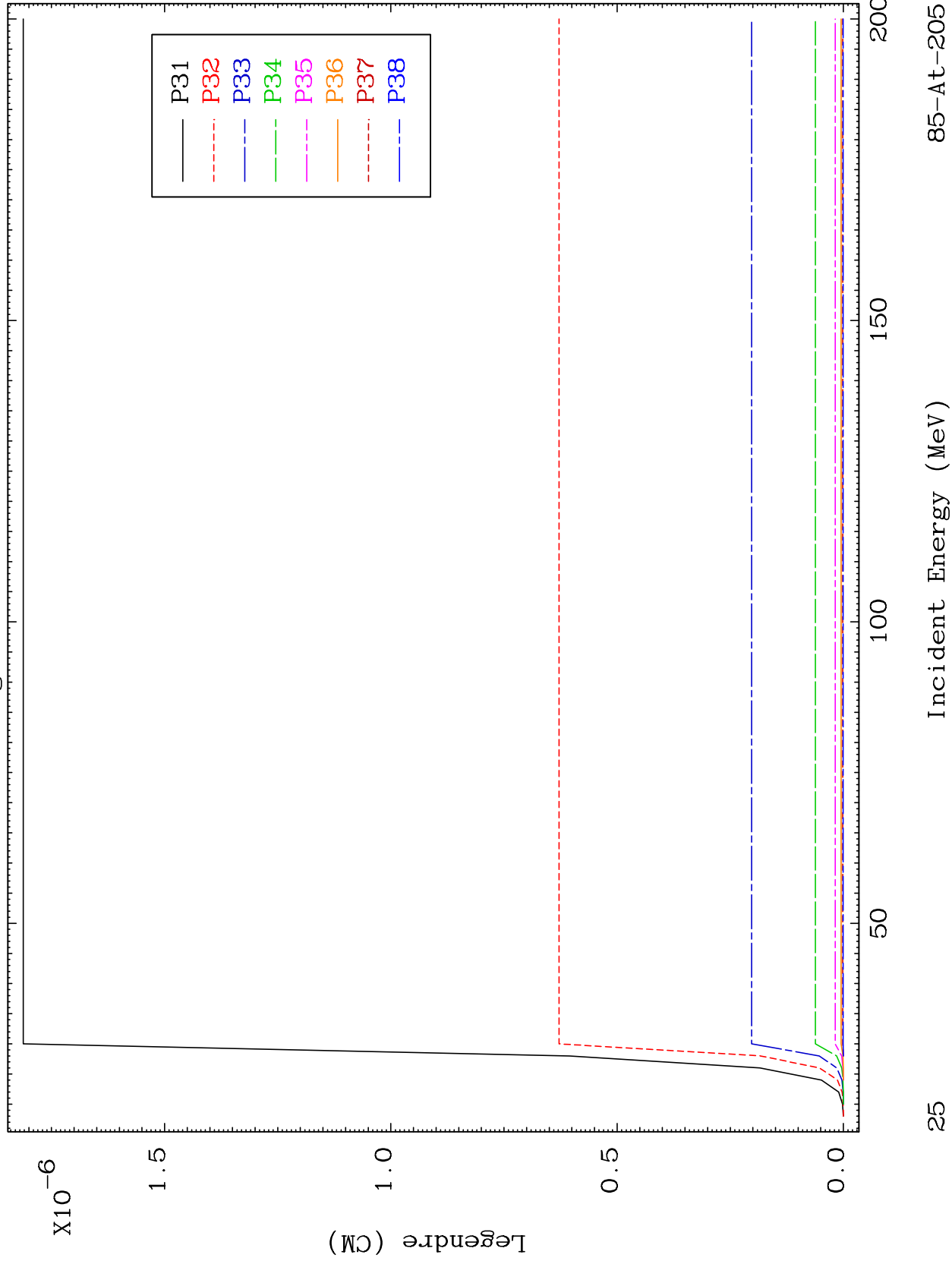
Incident Energy (MeV)

85-At-205

MAT 8531

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

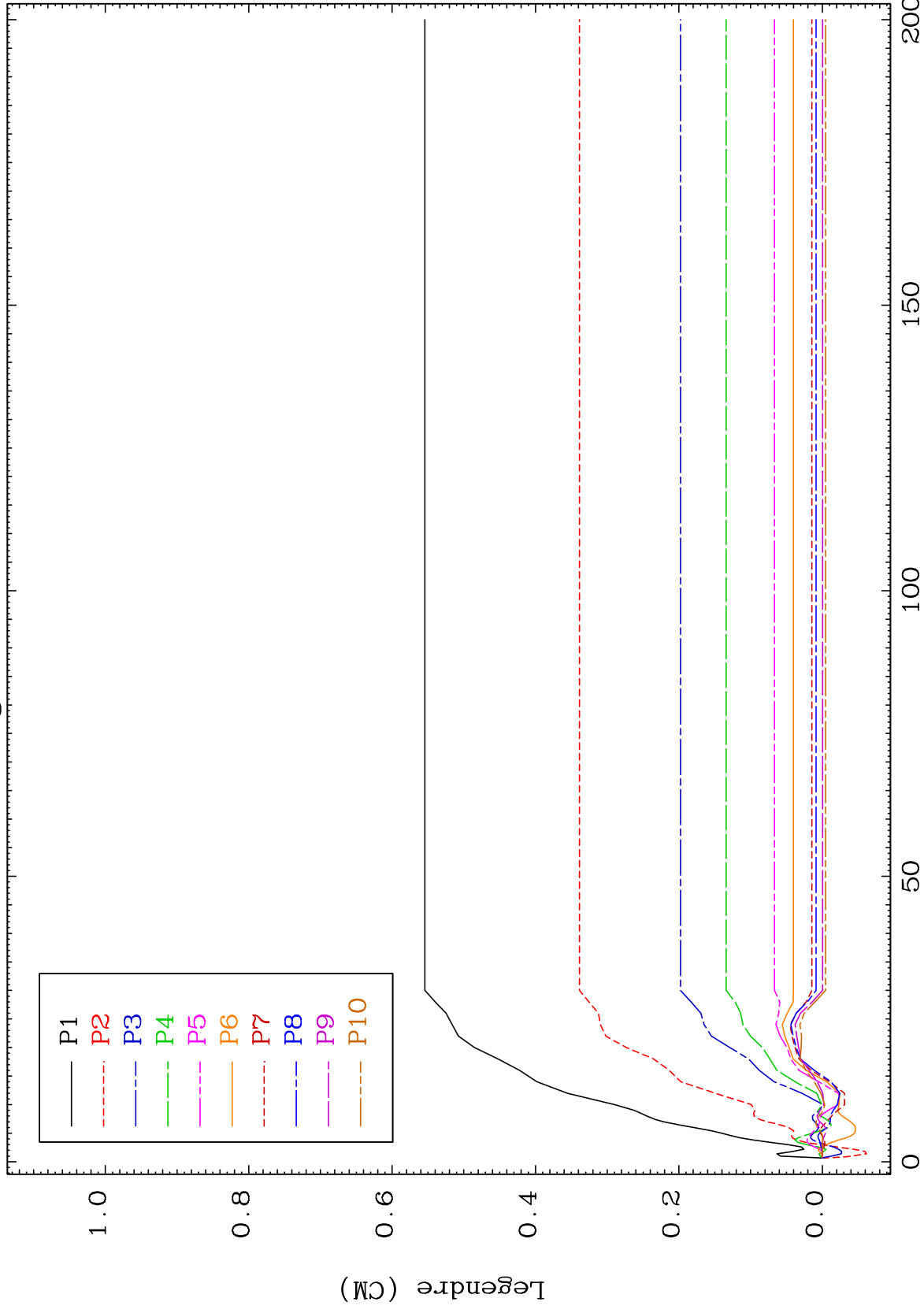
85-At-205



MAT 8531

MT= 53 (n,n') Level
Legendre Coefficients

85-At-205



26

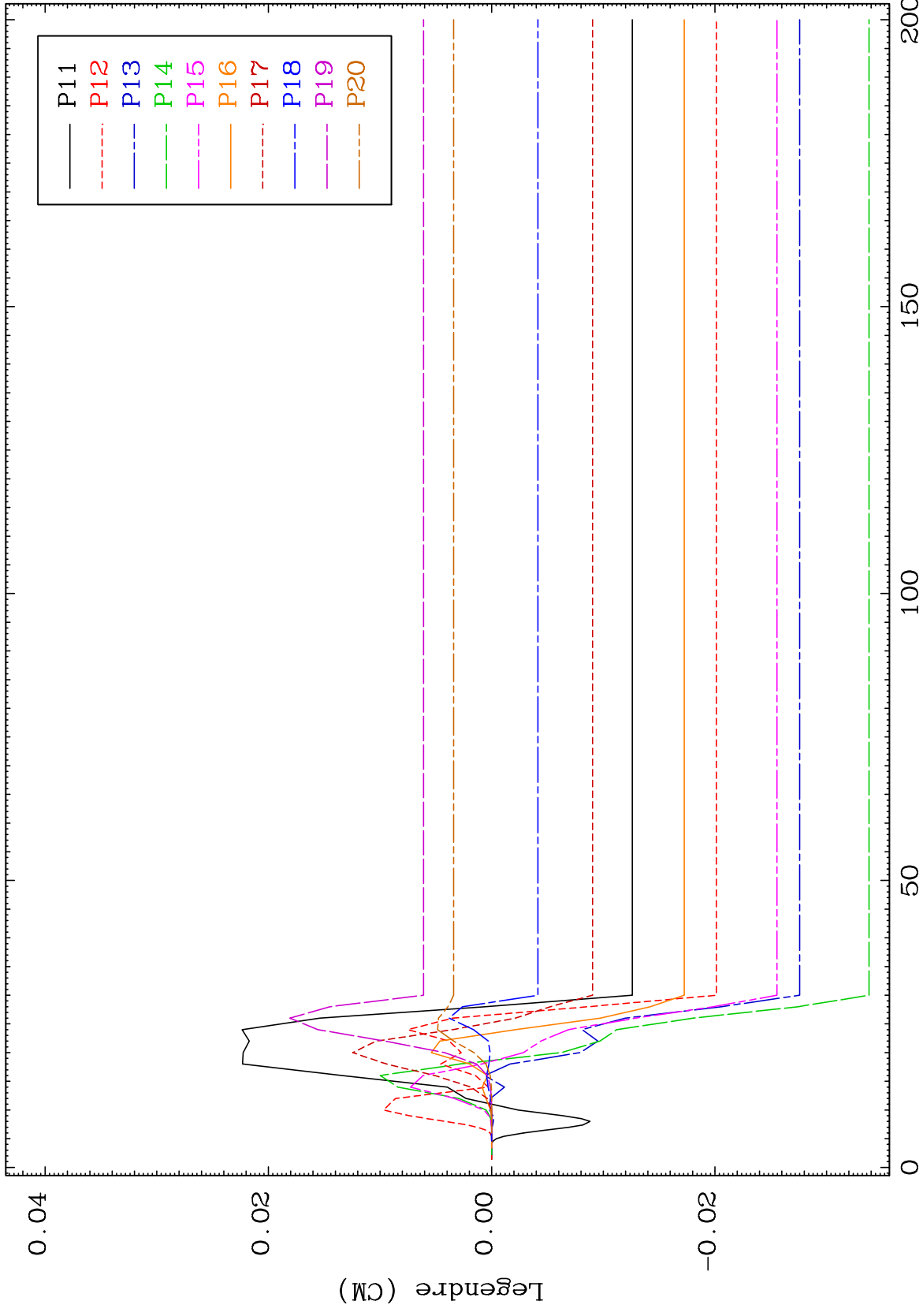
Incident Energy (MeV)

85-At-205

MAT 8531

MT= 53 (n,n') Level
Legendre Coefficients

85-At-205



27

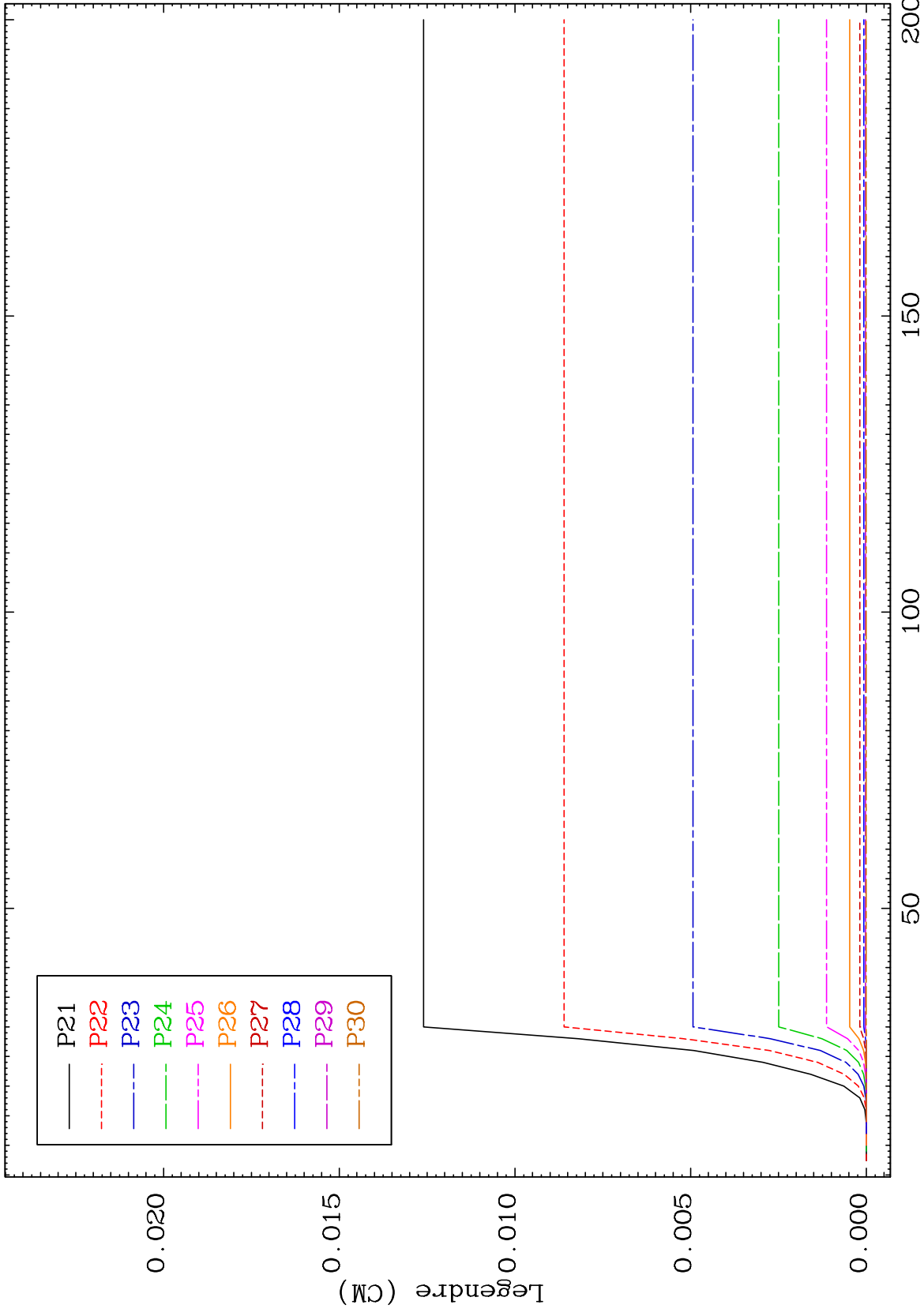
Incident Energy (MeV)

85-At-205

MAT 8531

MT= 53 (n,n') Level
Legendre Coefficients

85-At-205



28

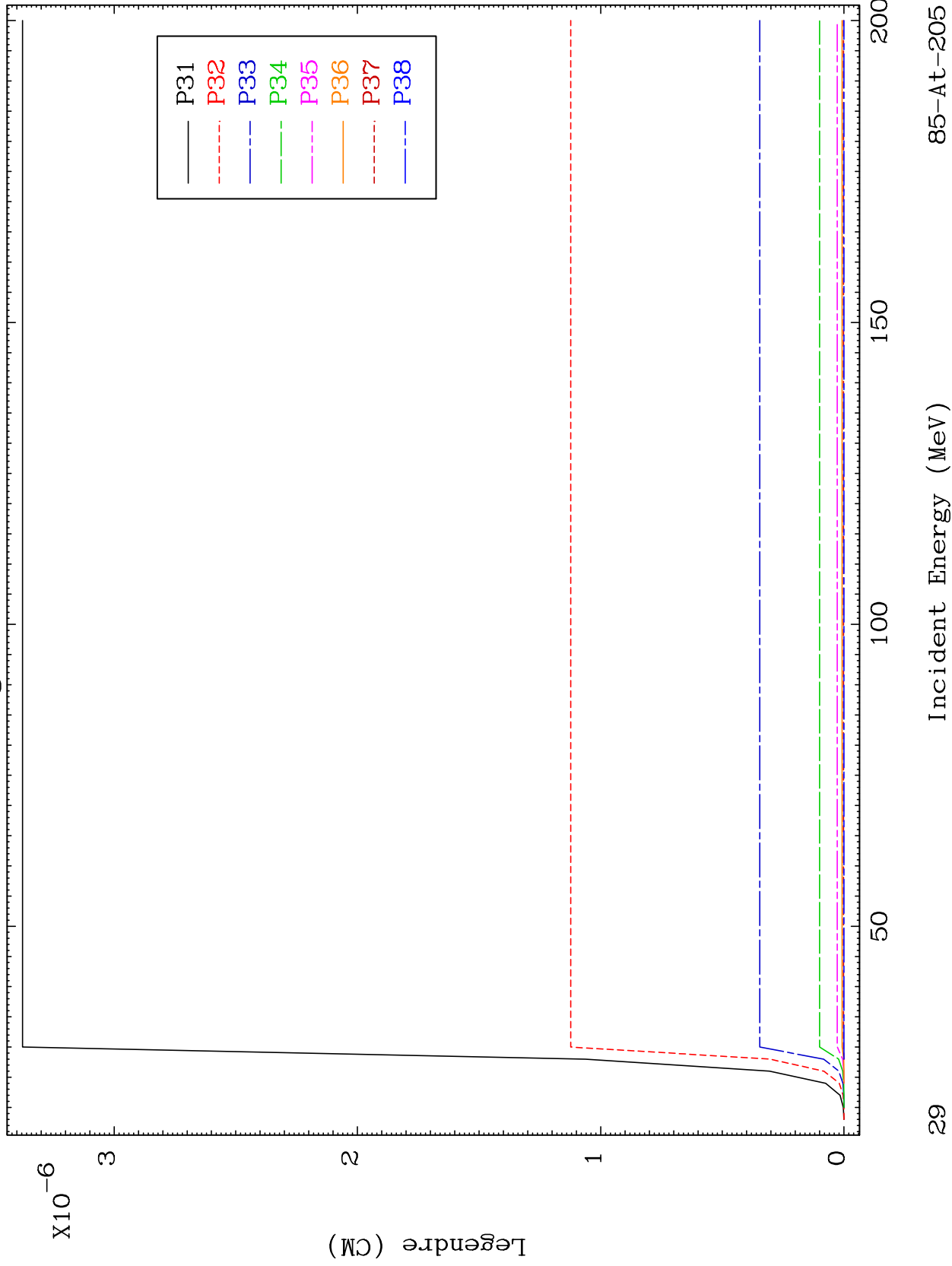
Incident Energy (MeV)

85-At-205

MAT 8531

MT= 53 (n,n') Level
Legendre Coefficients

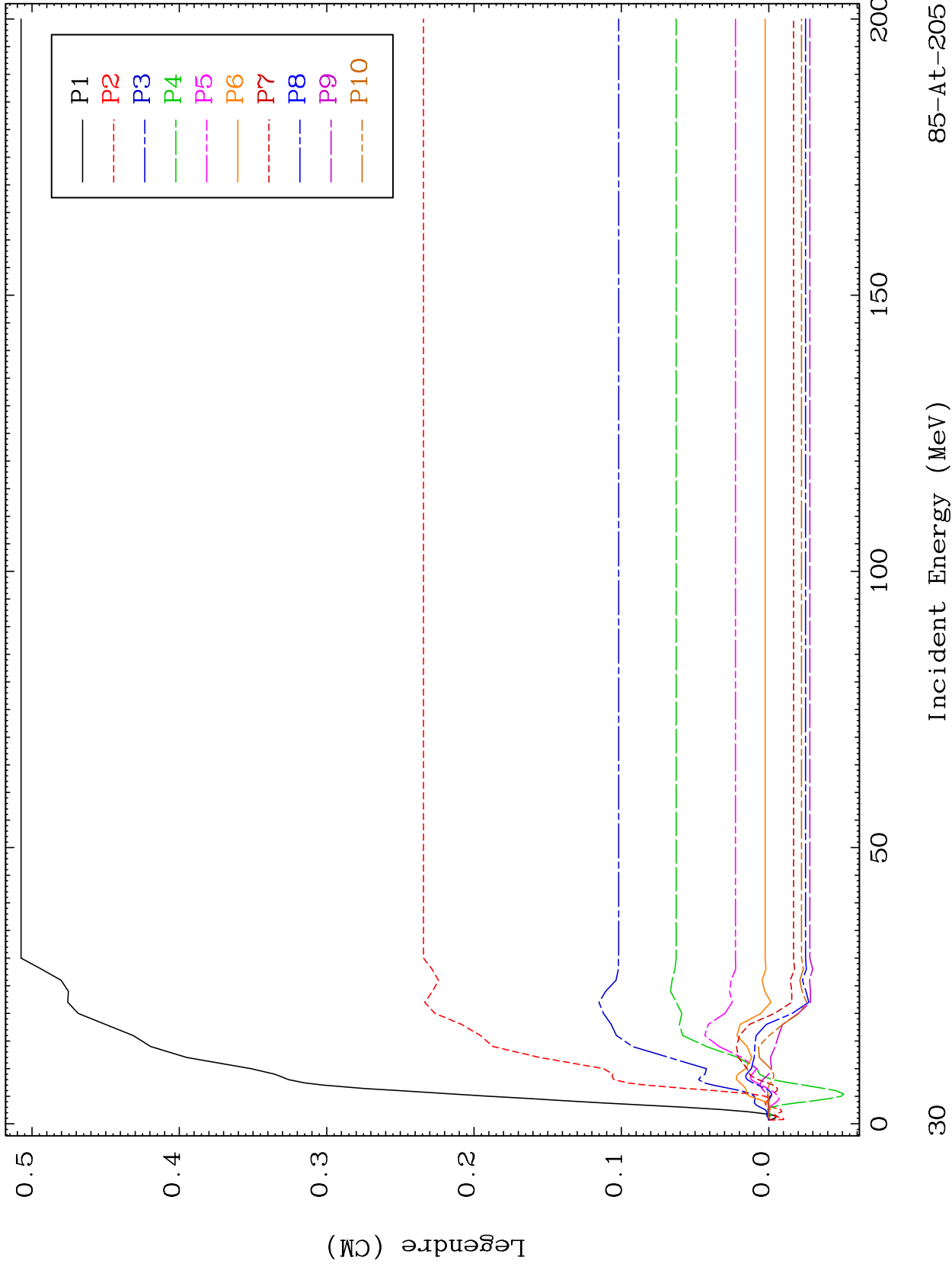
85-At-205



MAT 8531

MT= 54 (n,n') Level
Legendre Coefficients

85-At-205



85-At-205

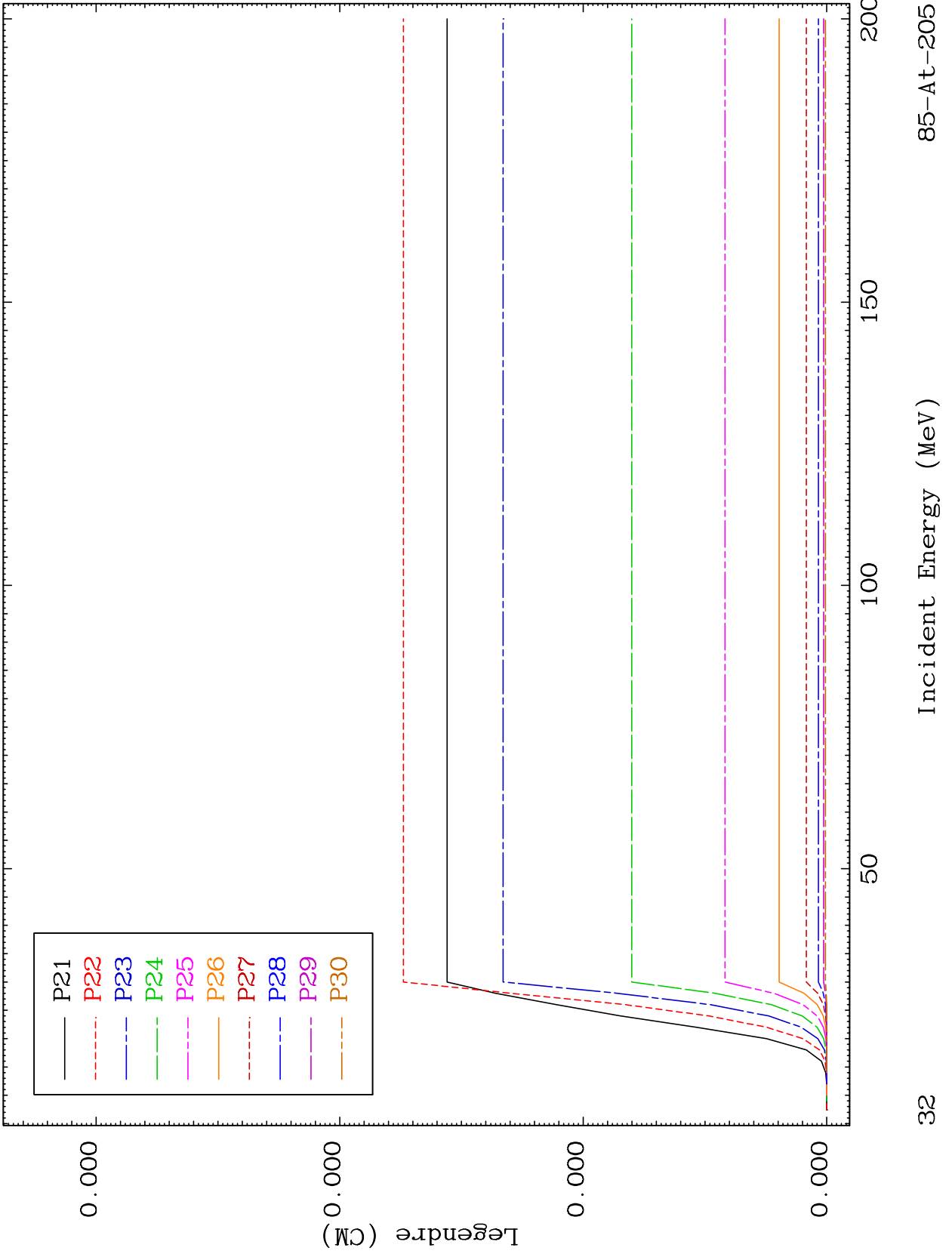
Incident Energy (MeV)

30

MAT 8531

MT= 54 (n,n') Level
Legendre Coefficients

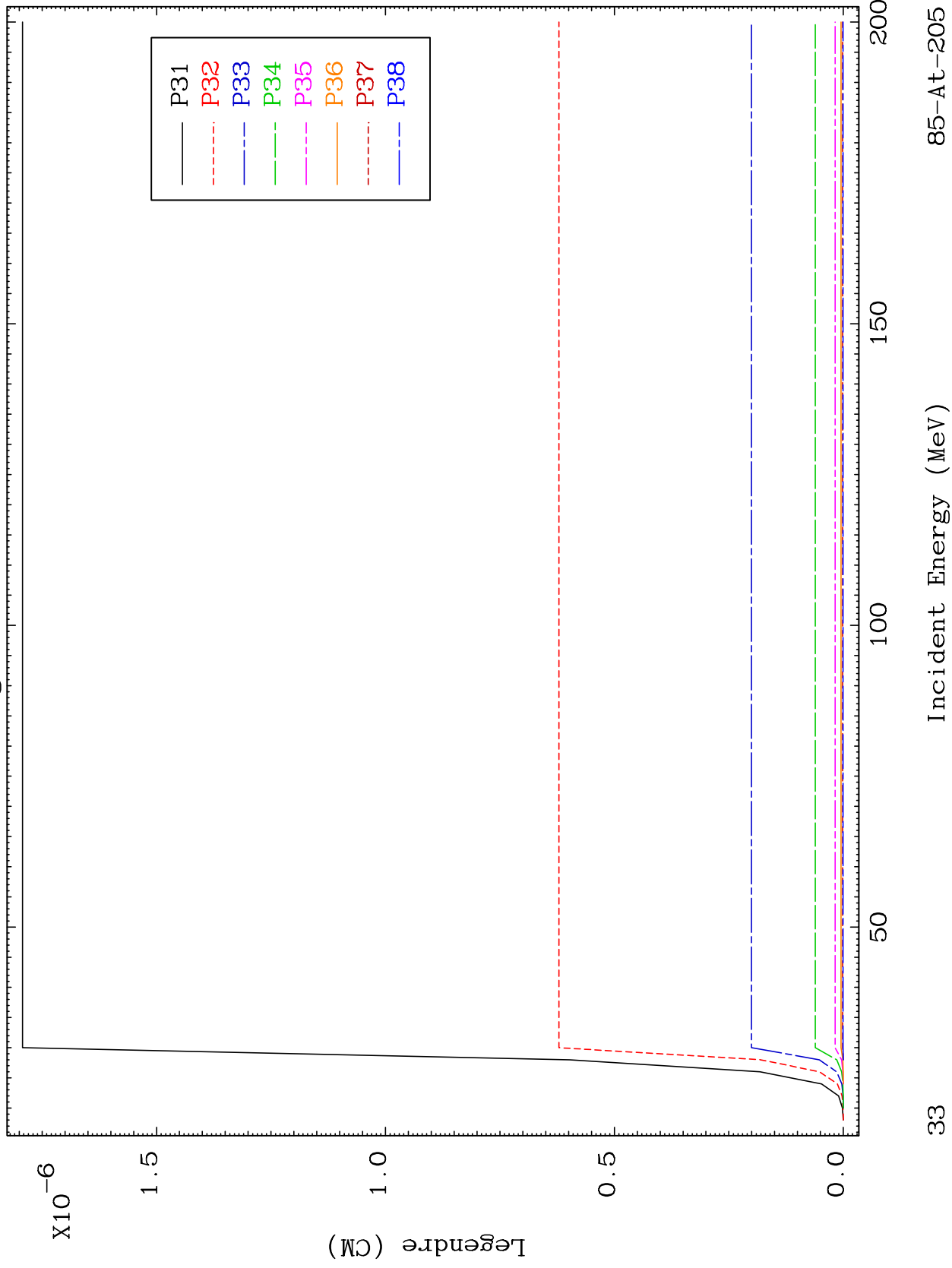
85-At-205



MAT 8531

MT= 54 (n,n') Level
Legendre Coefficients

85-At-205



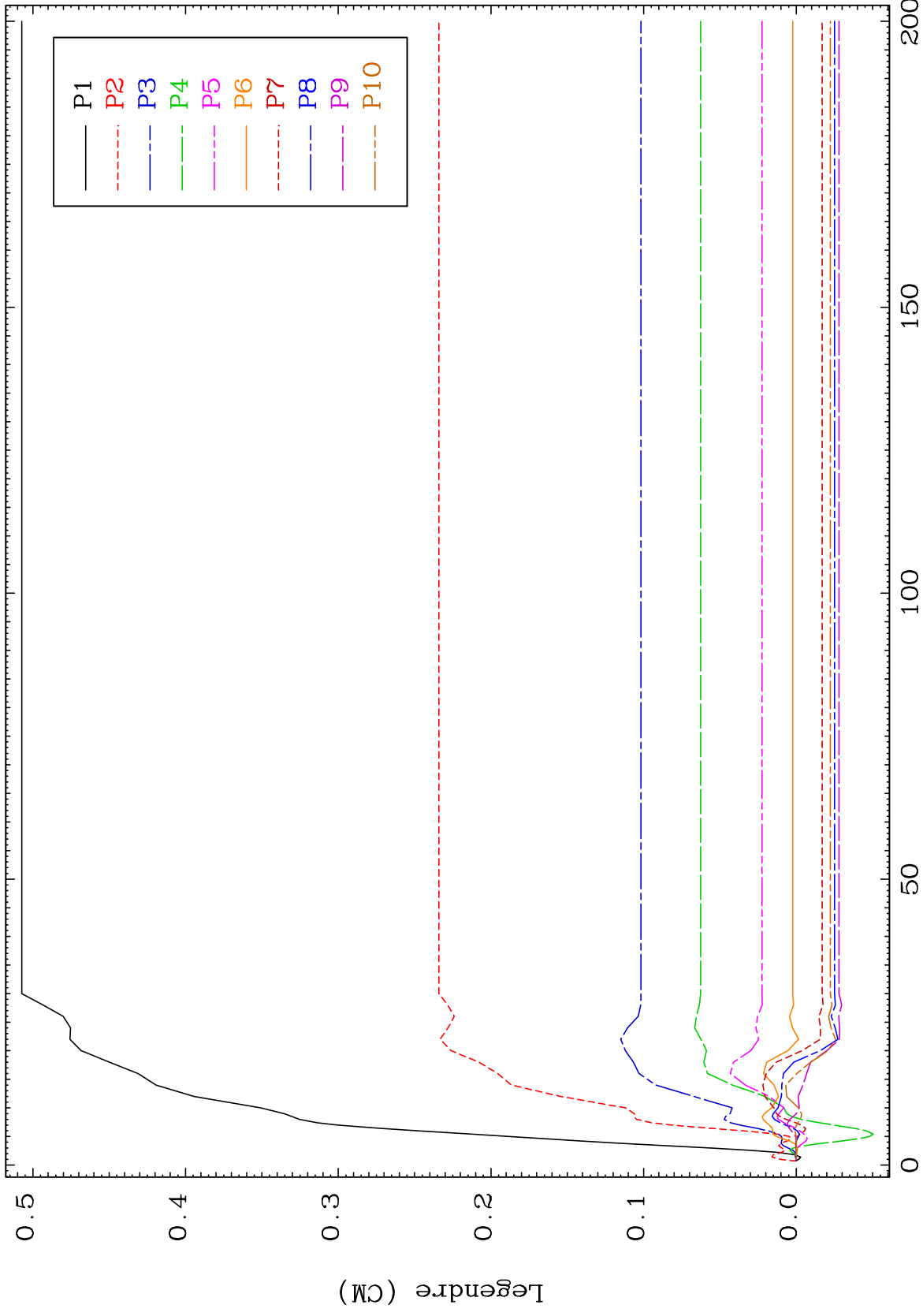
33

85-At-205

MAT 8531

MT= 55 (n,n') Level
Legendre Coefficients

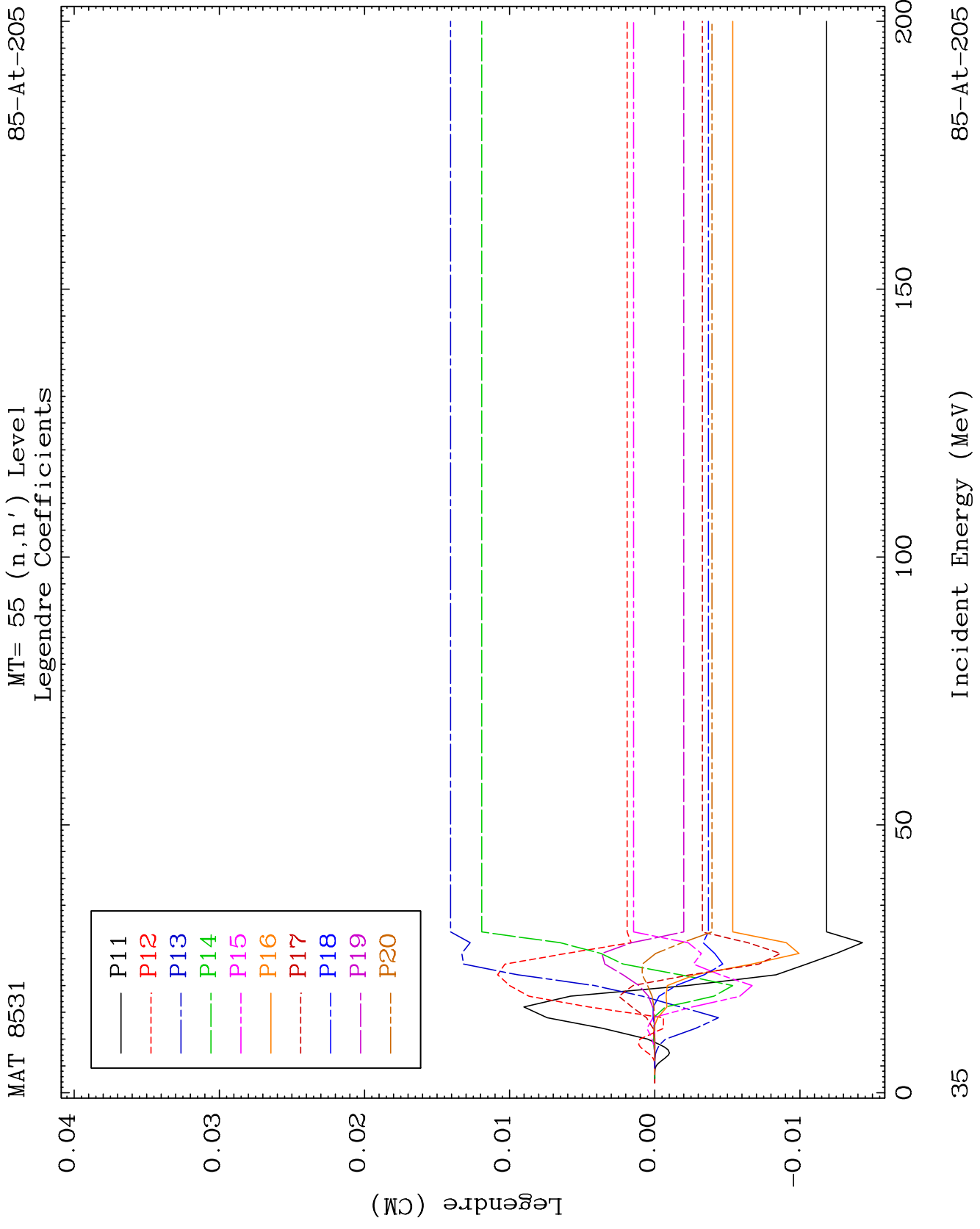
85-At-205



34

Incident Energy (MeV)

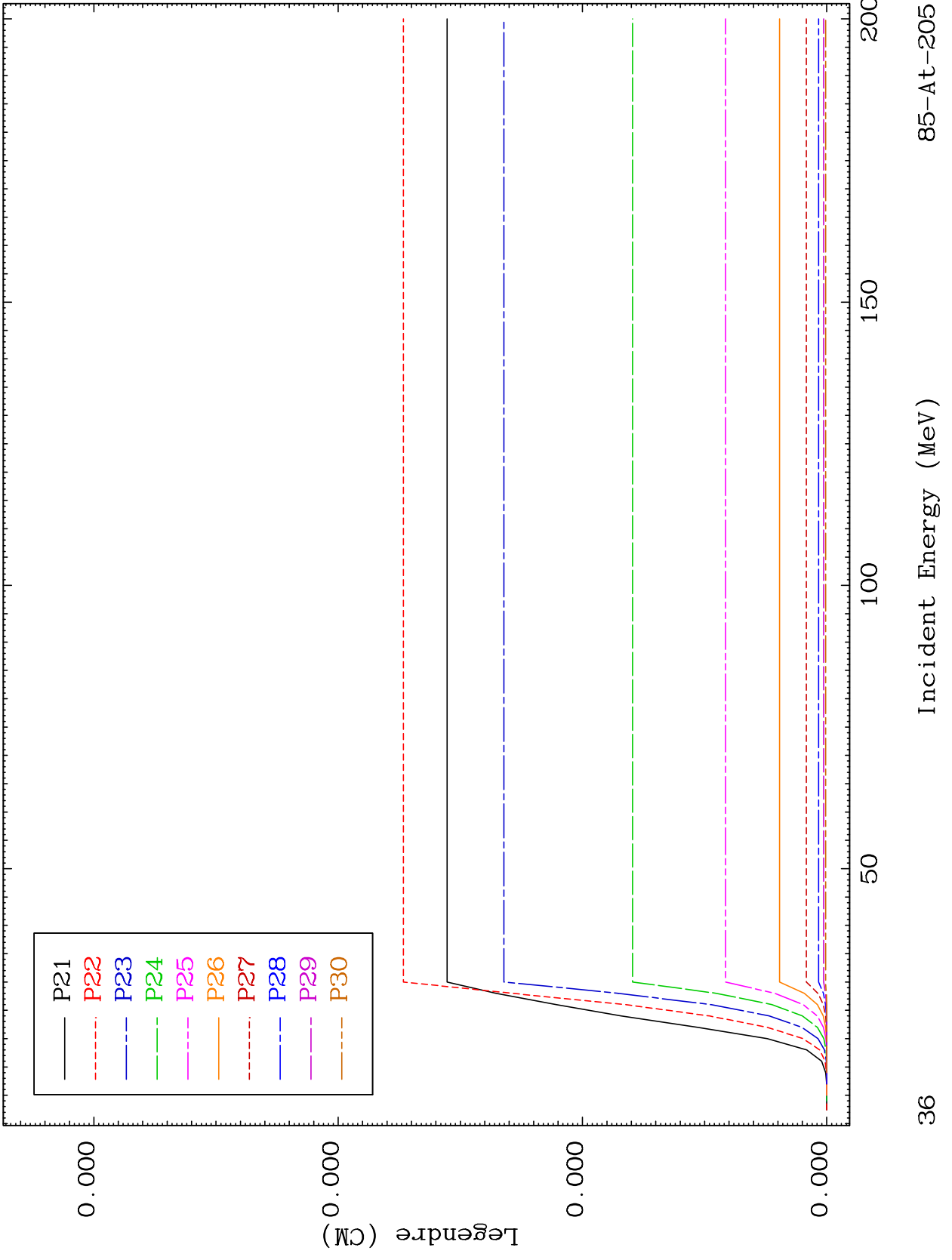
85-At-205



MAT 8531

MT= 55 (n,n') Level
Legendre Coefficients

85-At-205



36

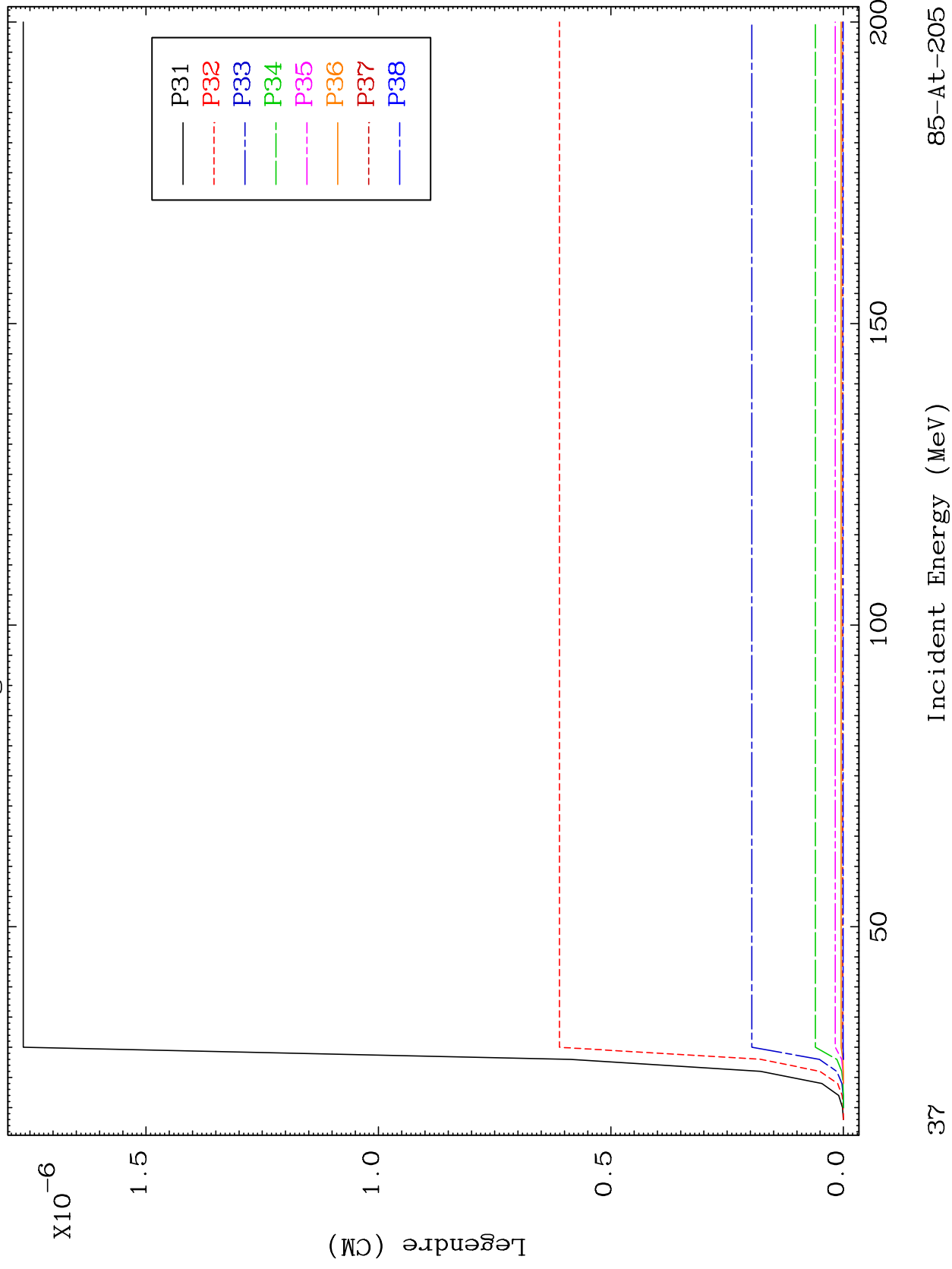
Incident Energy (MeV)

85-At-205

MAT 8531

MT= 55 (n,n') Level
Legendre Coefficients

85-At-205



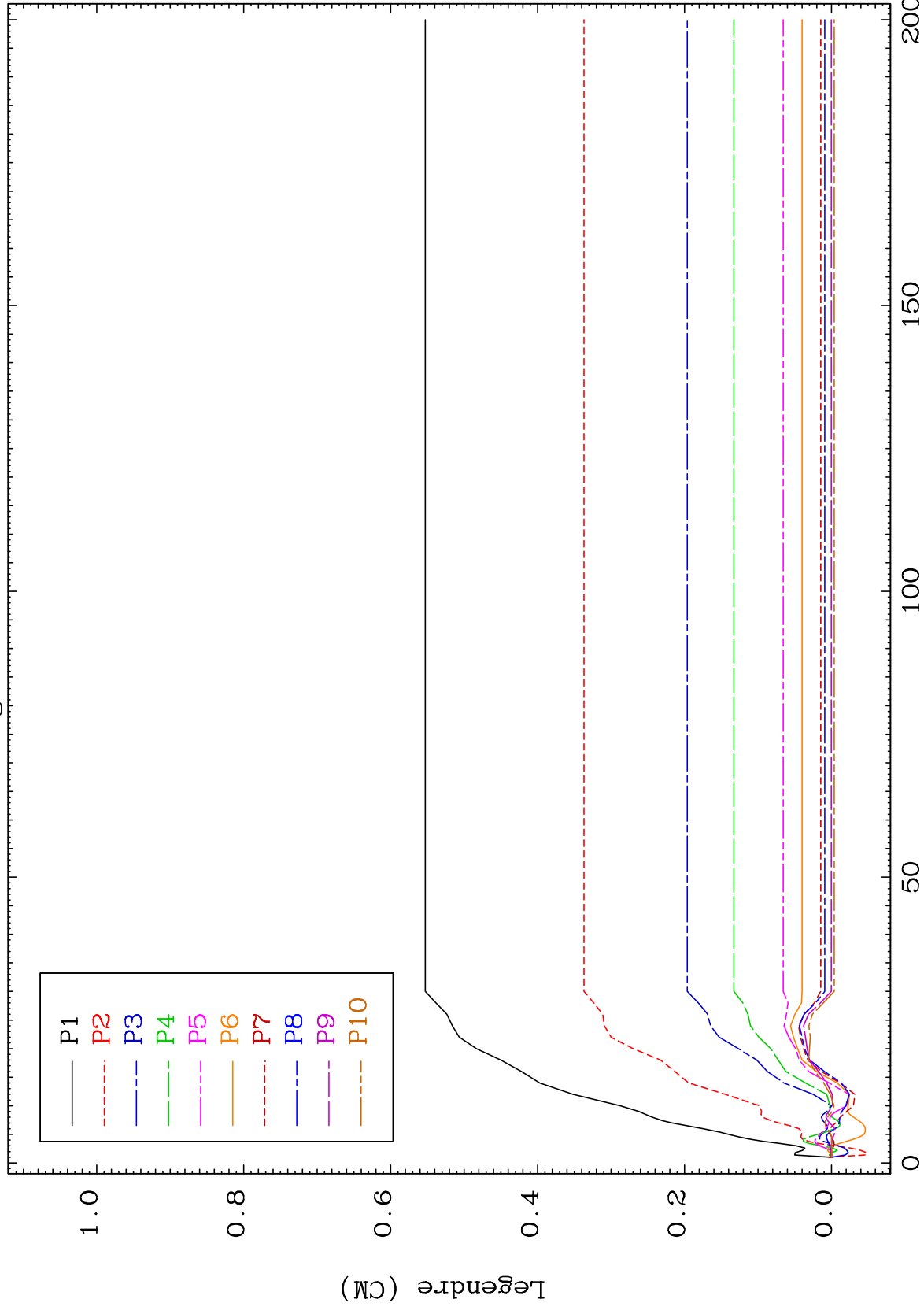
37

85-At-205

MAT 8531

MT= 56 (n,n') Level
Legendre Coefficients

85-At-205



38

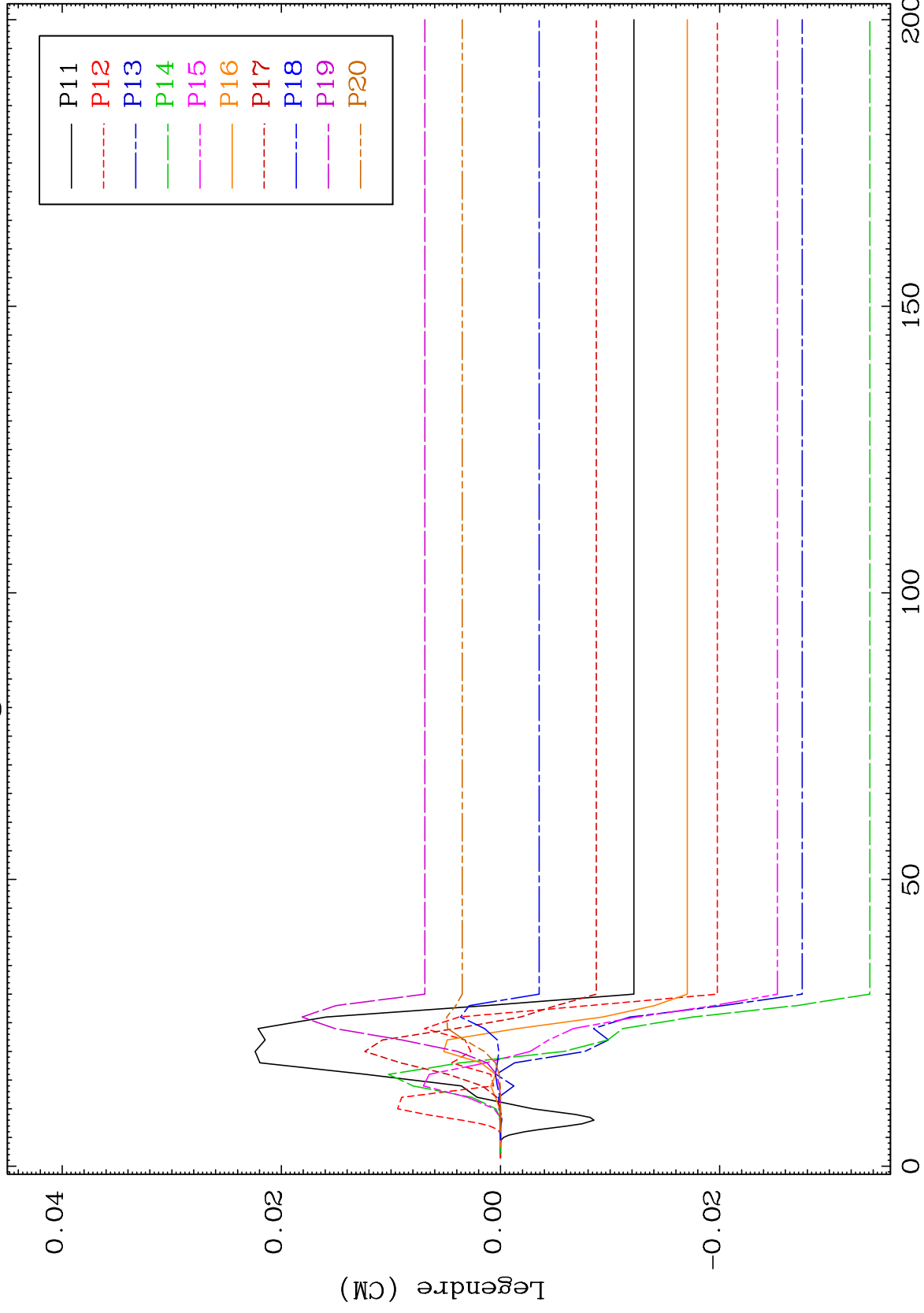
Incident Energy (MeV)

85-At-205

MAT 8531

MT= 56 (n,n') Level
Legendre Coefficients

85-At-205



39

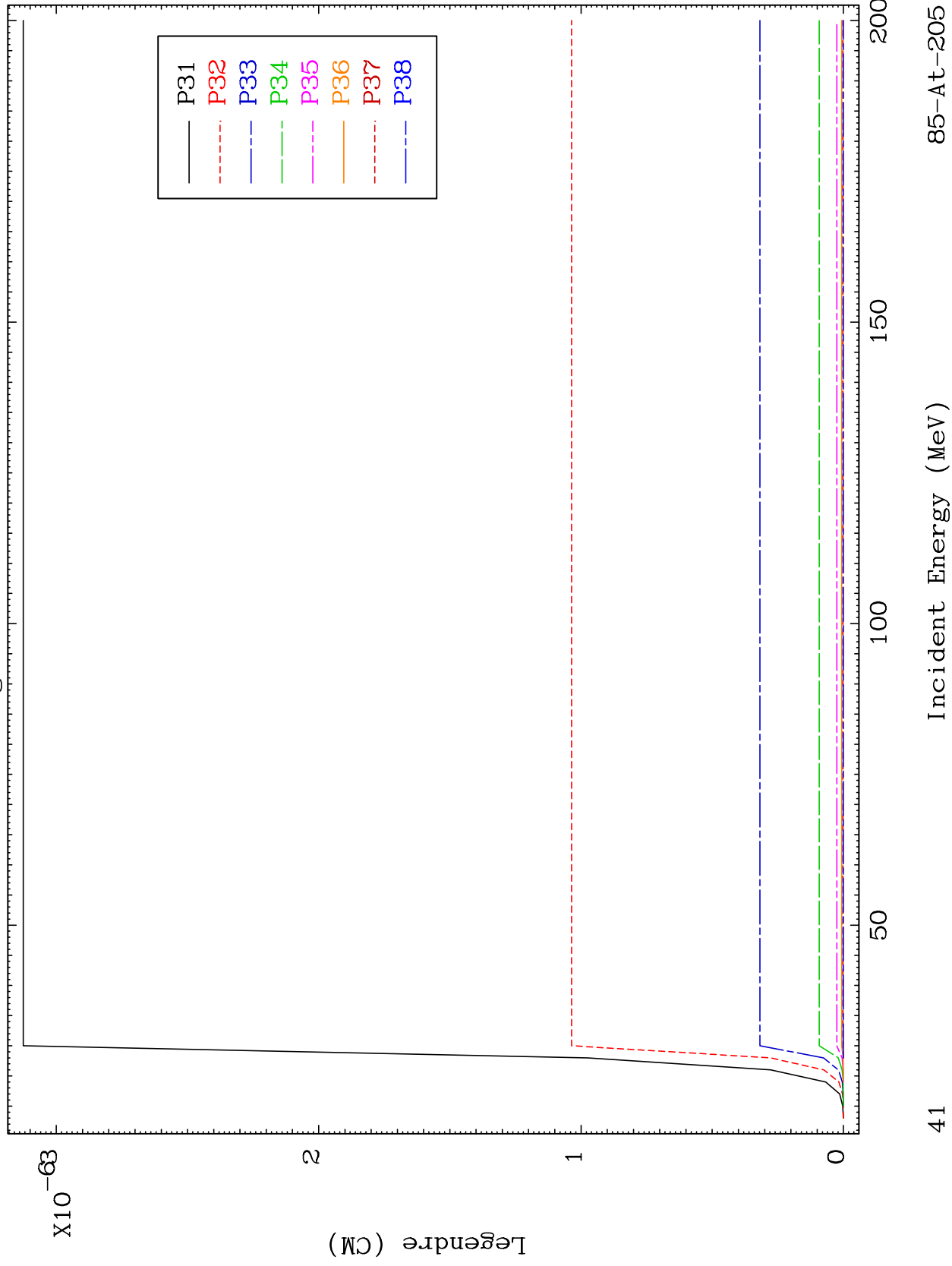
Incident Energy (MeV)

85-At-205

MAT 8531

MT= 56 (n,n') Level
Legendre Coefficients

85-At-205



41

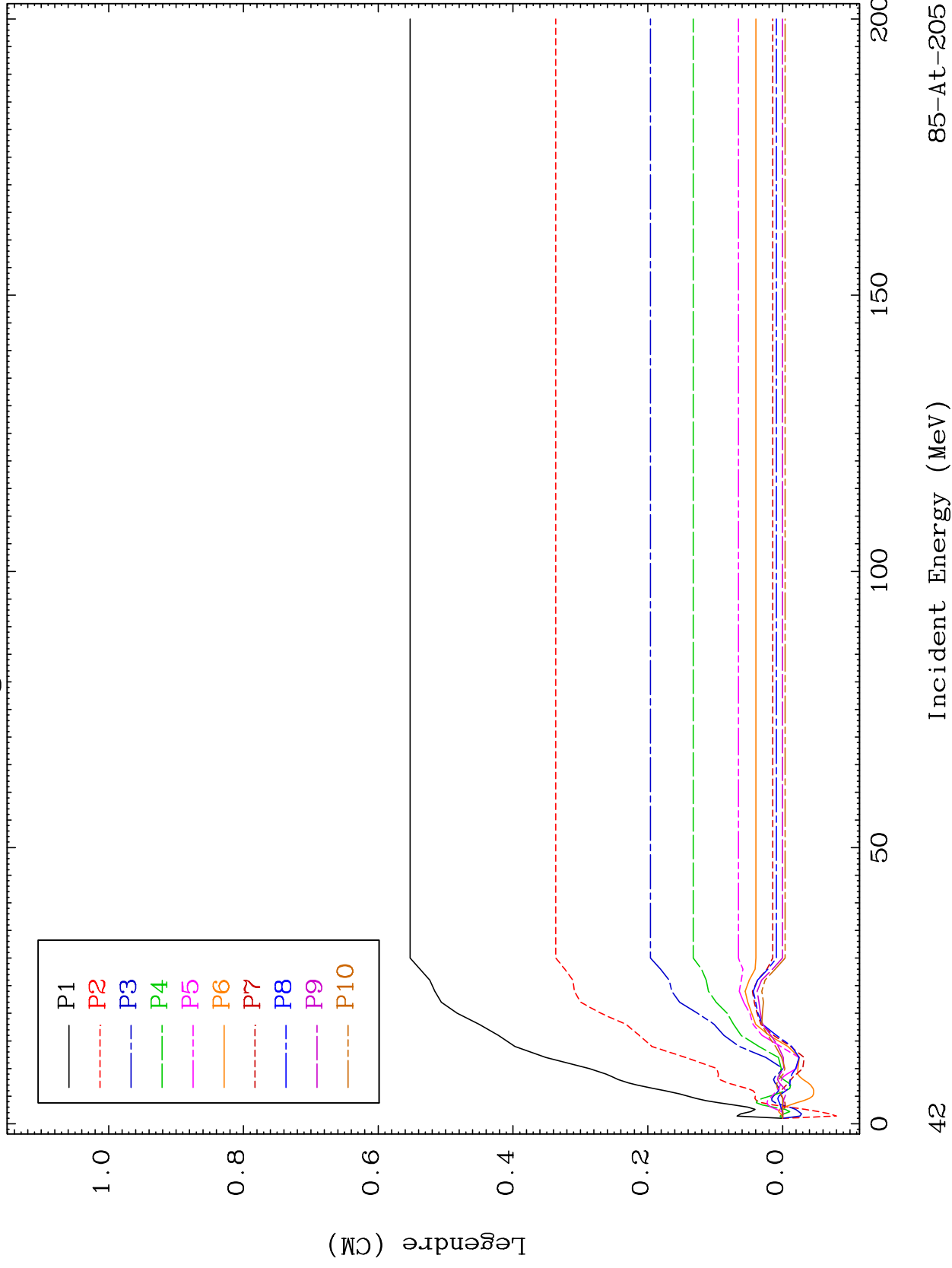
Incident Energy (MeV)

85-At-205

MAT 8531

MT= 57 (n,n') Level
Legendre Coefficients

85-At-205



85-At-205

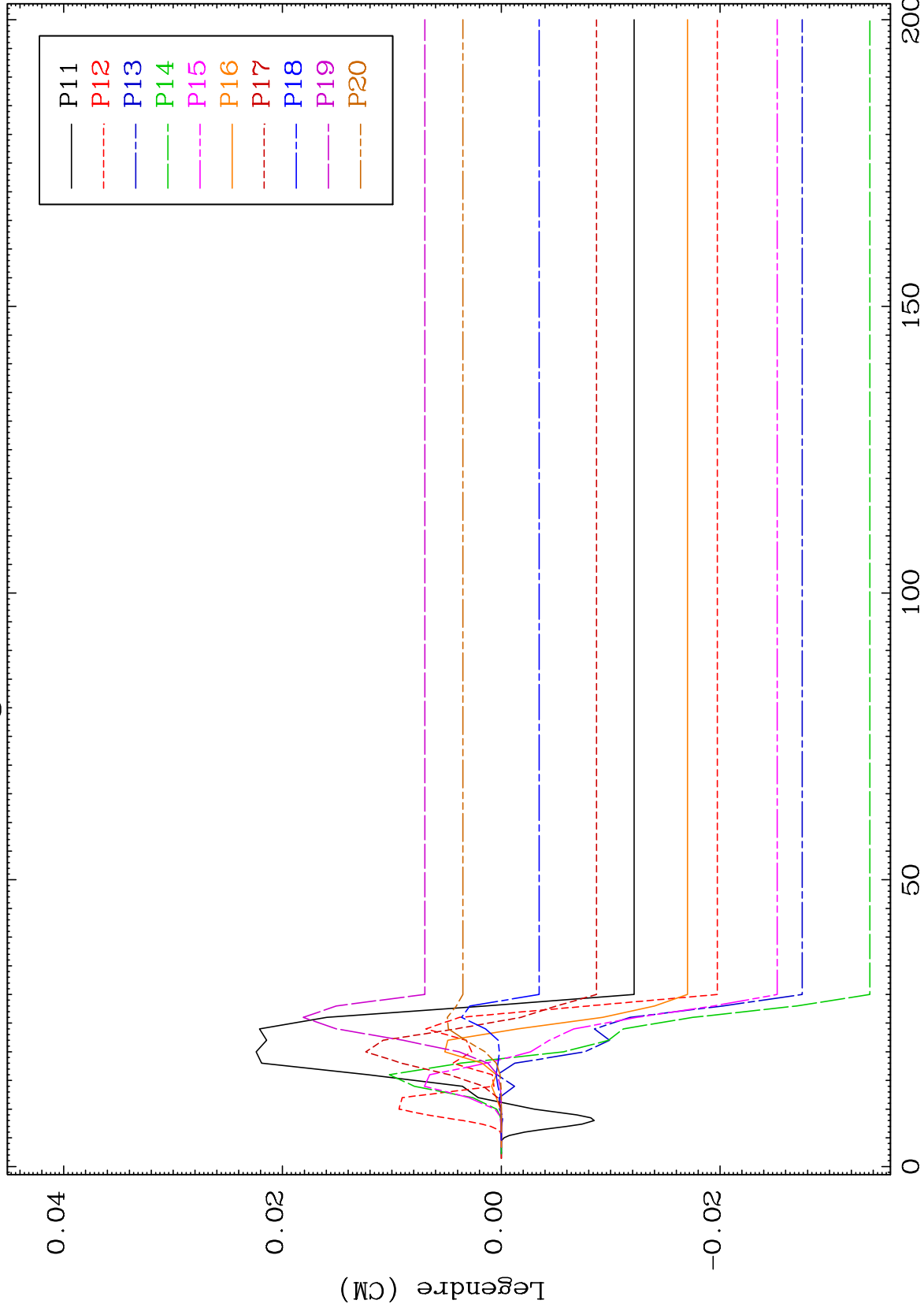
Incident Energy (MeV)

42

MAT 8531

MT= 57 (n,n') Level
Legendre Coefficients

85-At-205



43

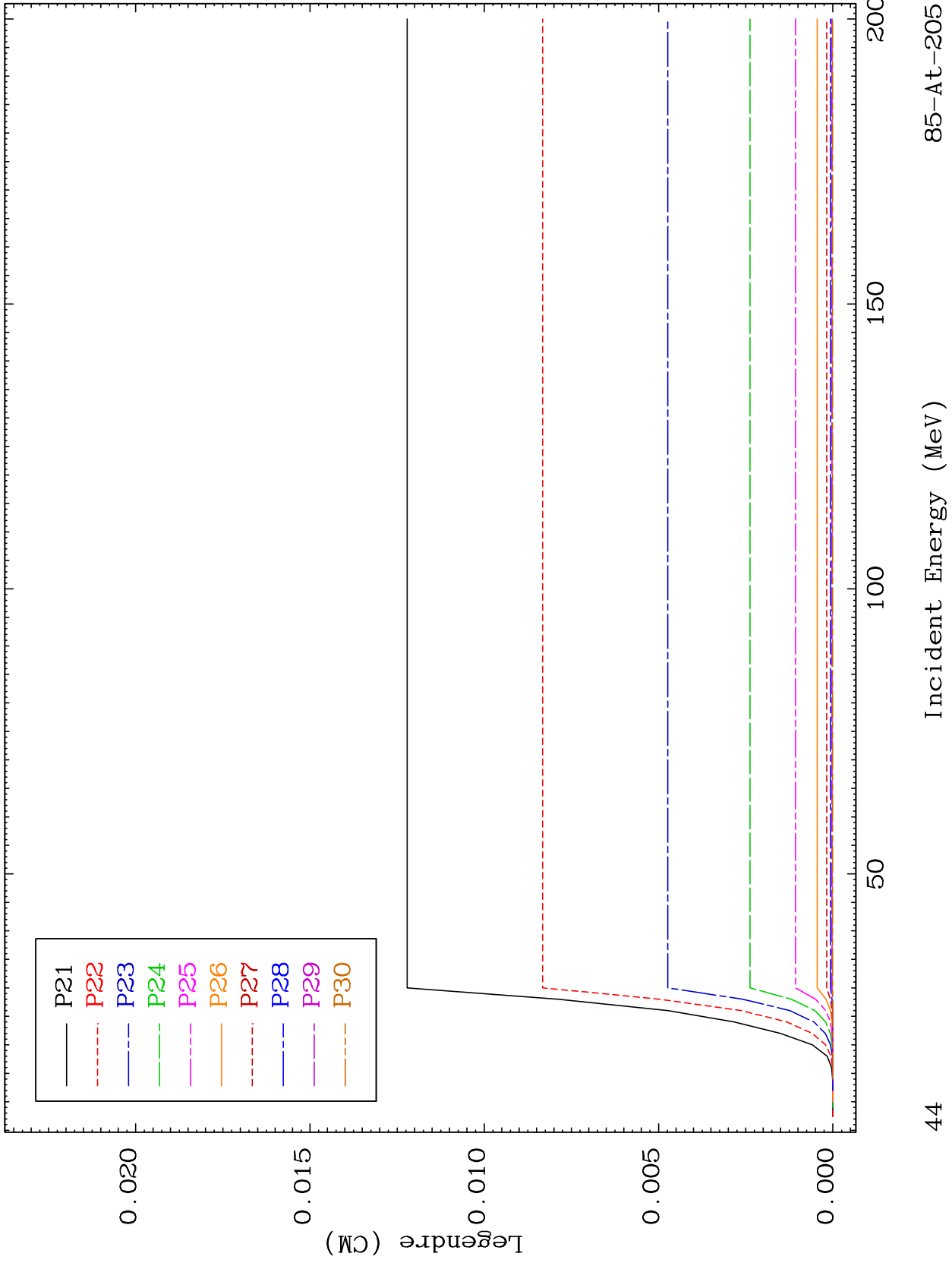
Incident Energy (MeV)

85-At-205

MAT 8531

MT= 57 (n,n') Level
Legendre Coefficients

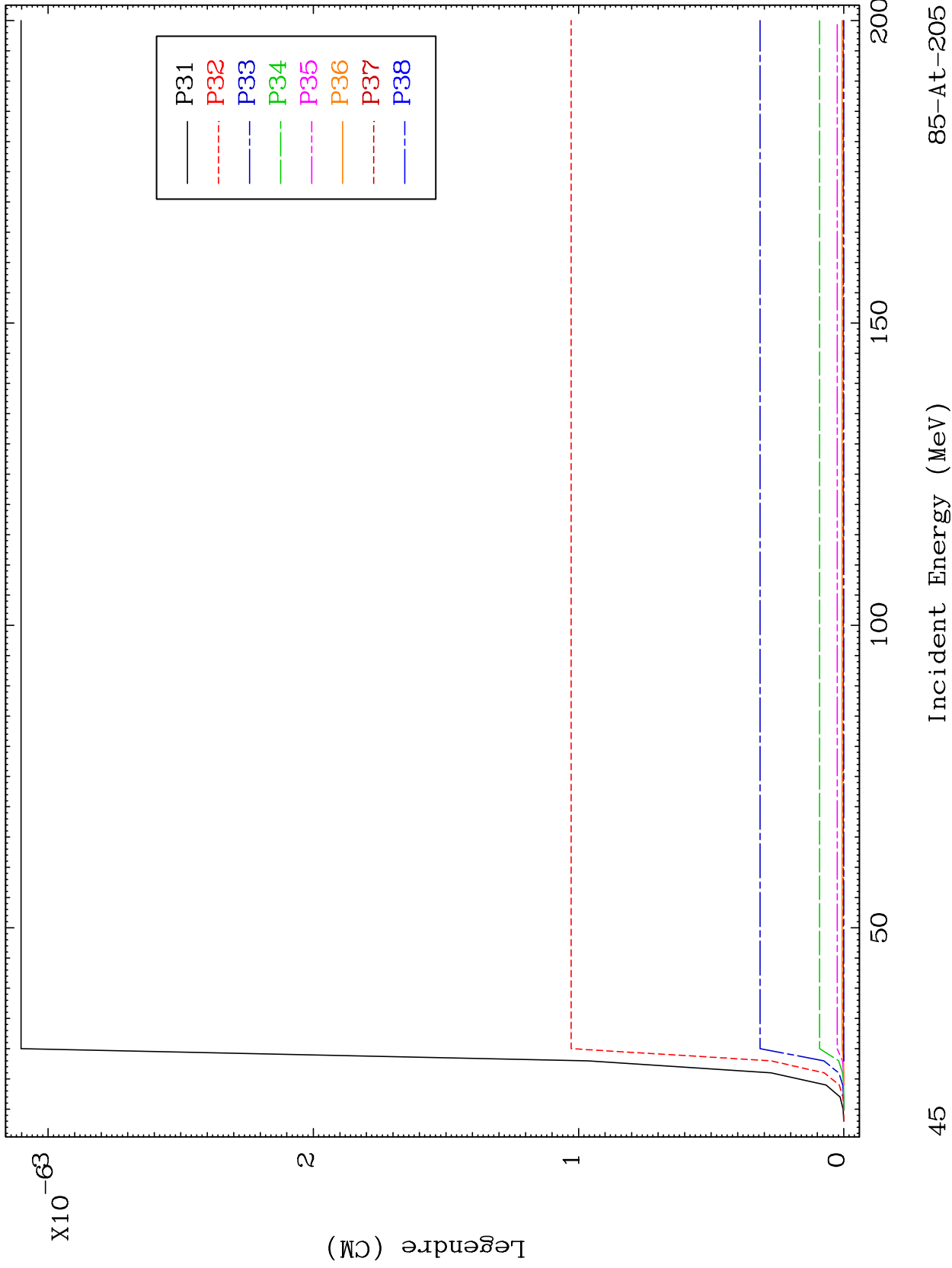
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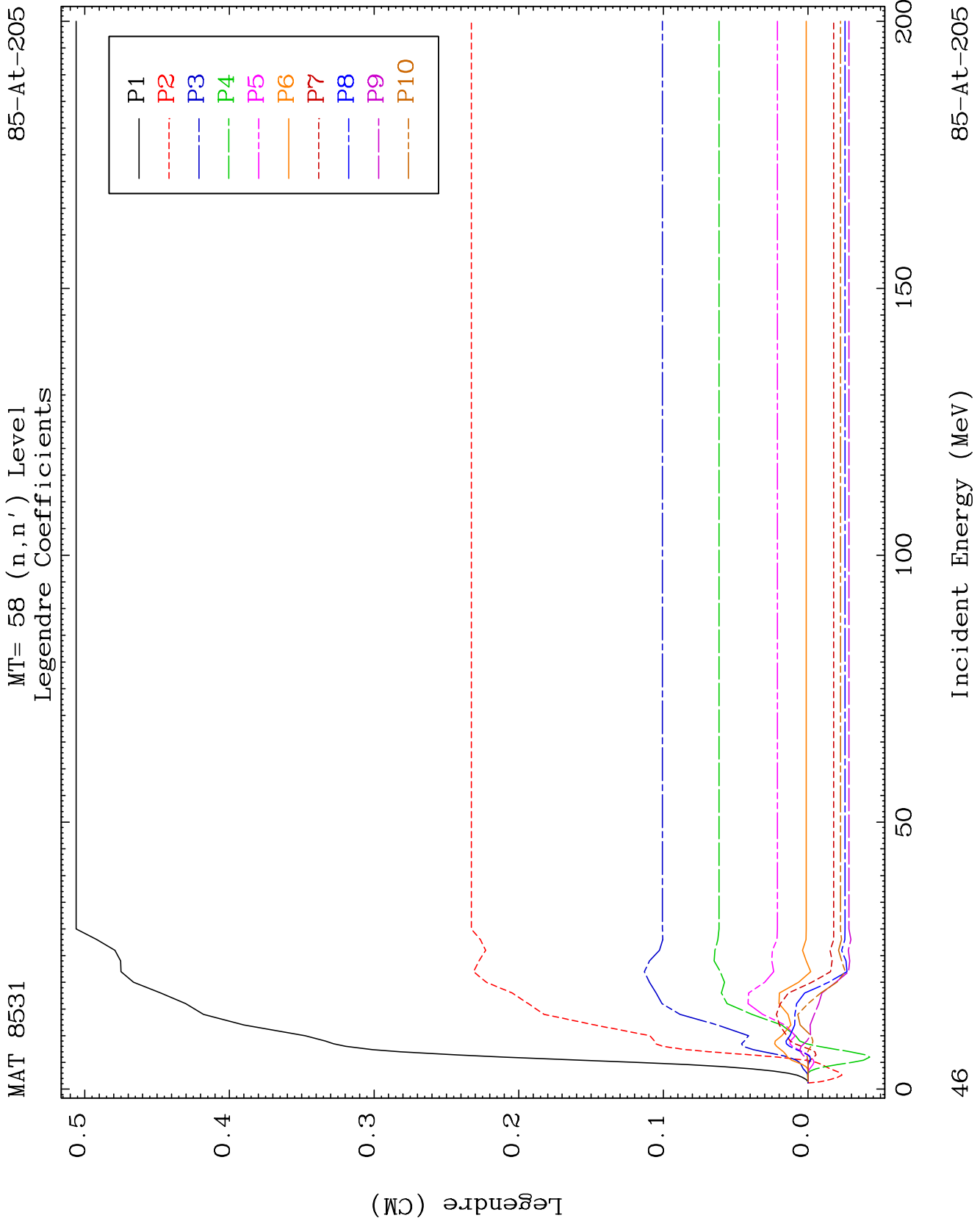


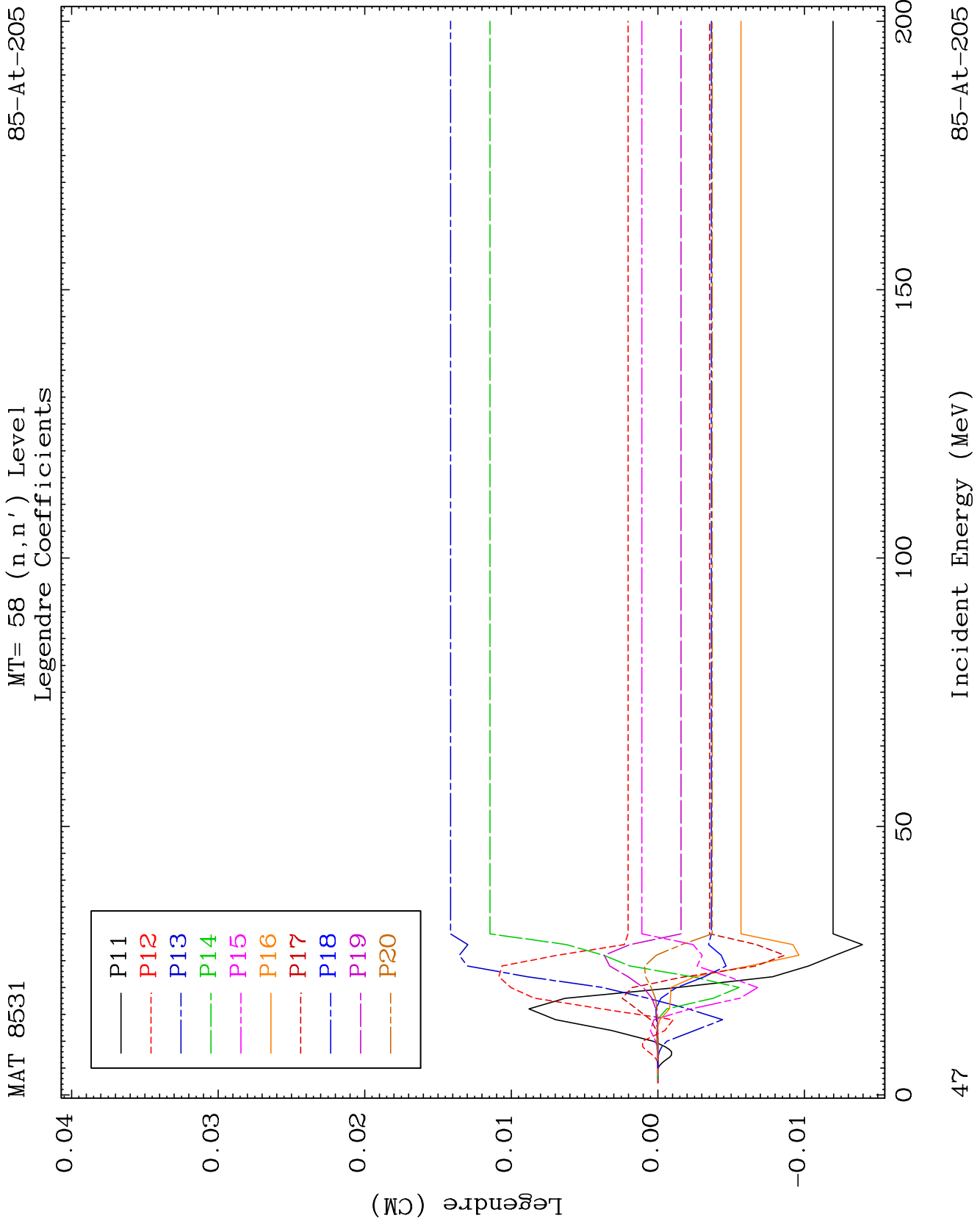
MAT 8531

MT= 57 (n,n') Level
Legendre Coefficients

85-At-205



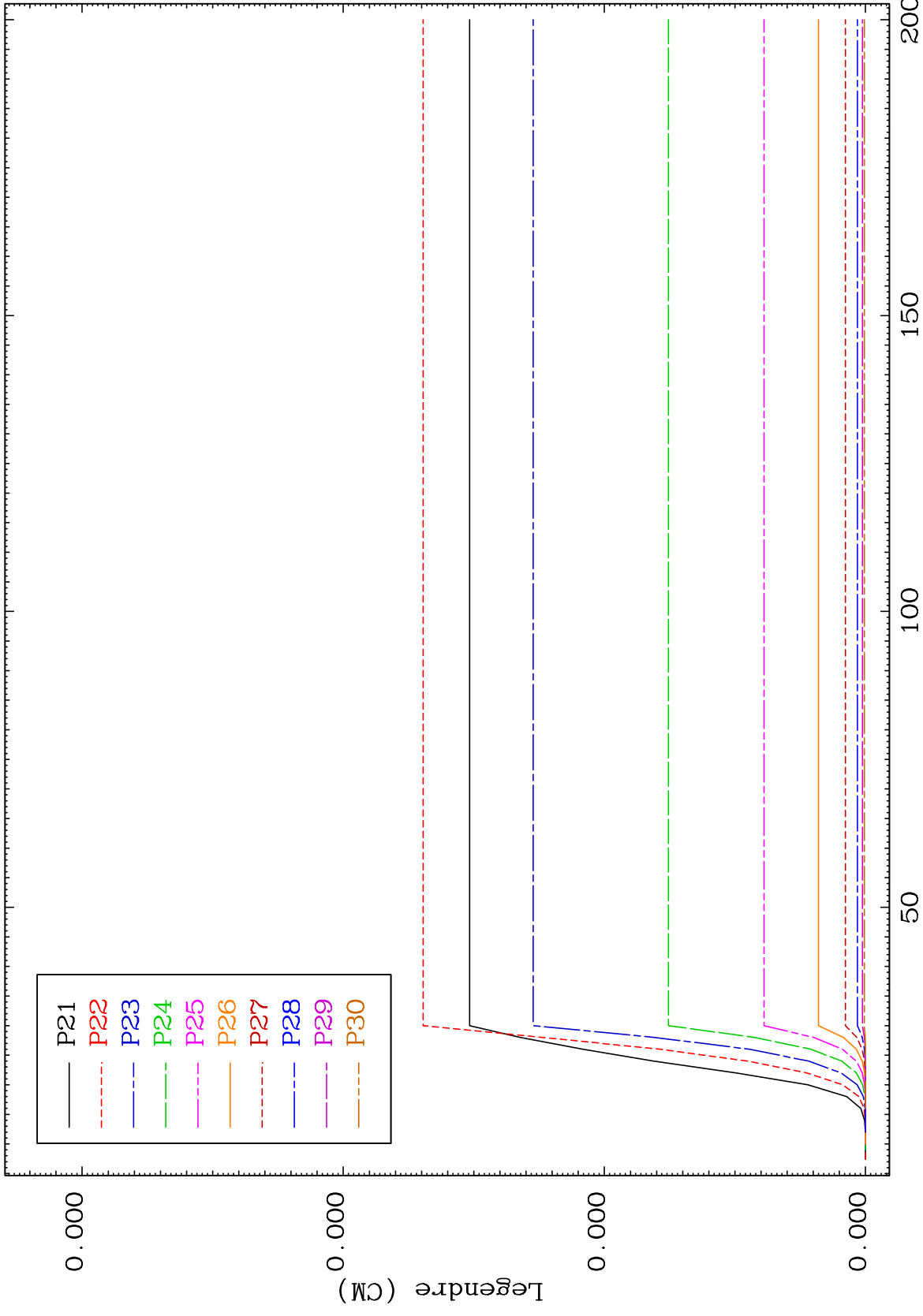




MAT 8531

MT= 58 (n,n') Level
Legendre Coefficients

85-At-205



48

Incident Energy (MeV)

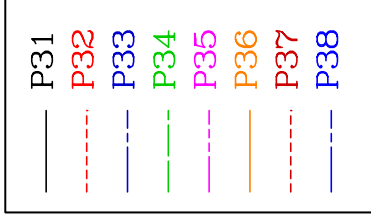
85-At-205

MAT 8531

MT= 58 (n,n') Level
Legendre Coefficients

85-At-205

$\times 10^{-6}$



Legendre (CM)

1.0

0.5

0.0

50

100

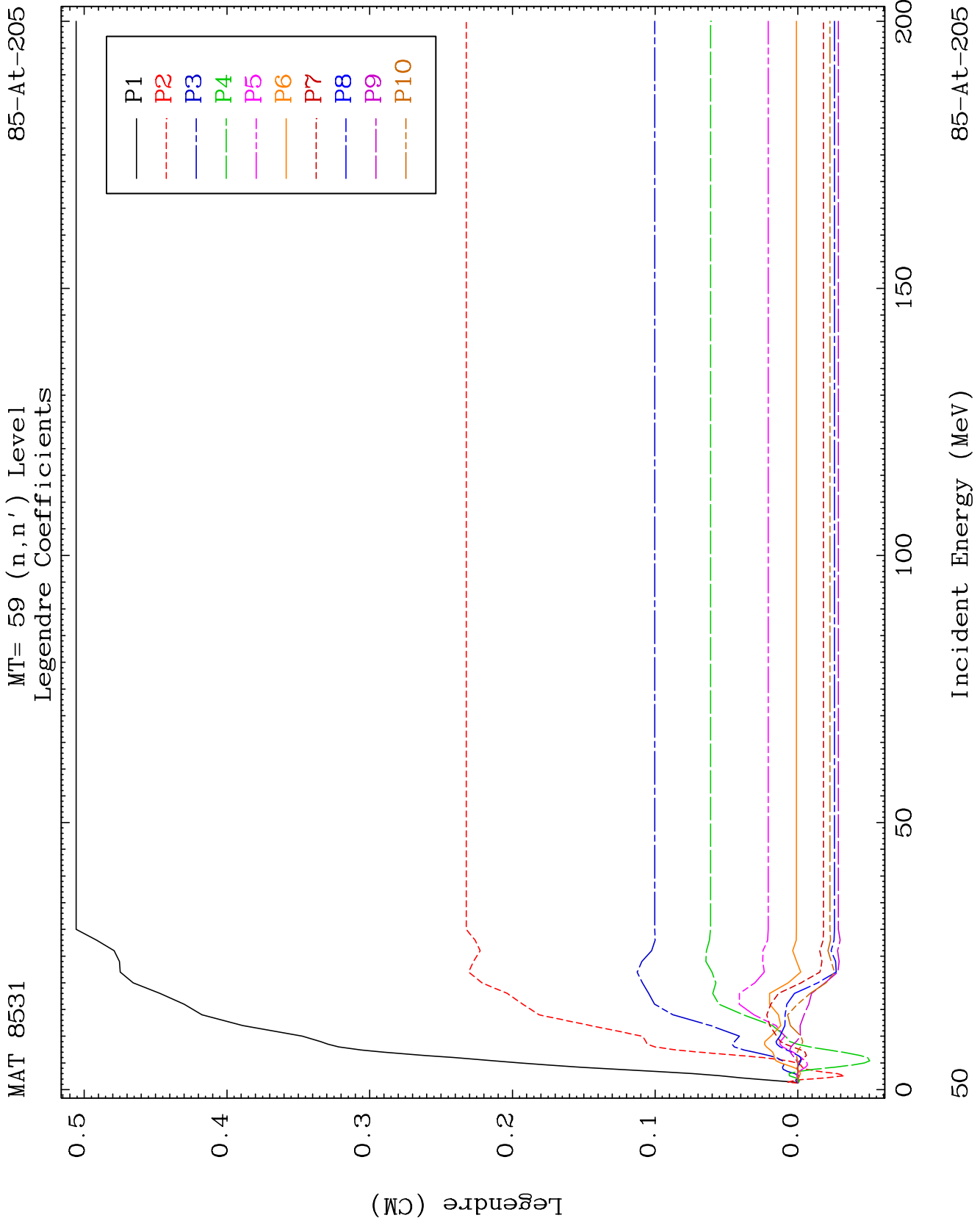
150

200

49

Incident Energy (MeV)

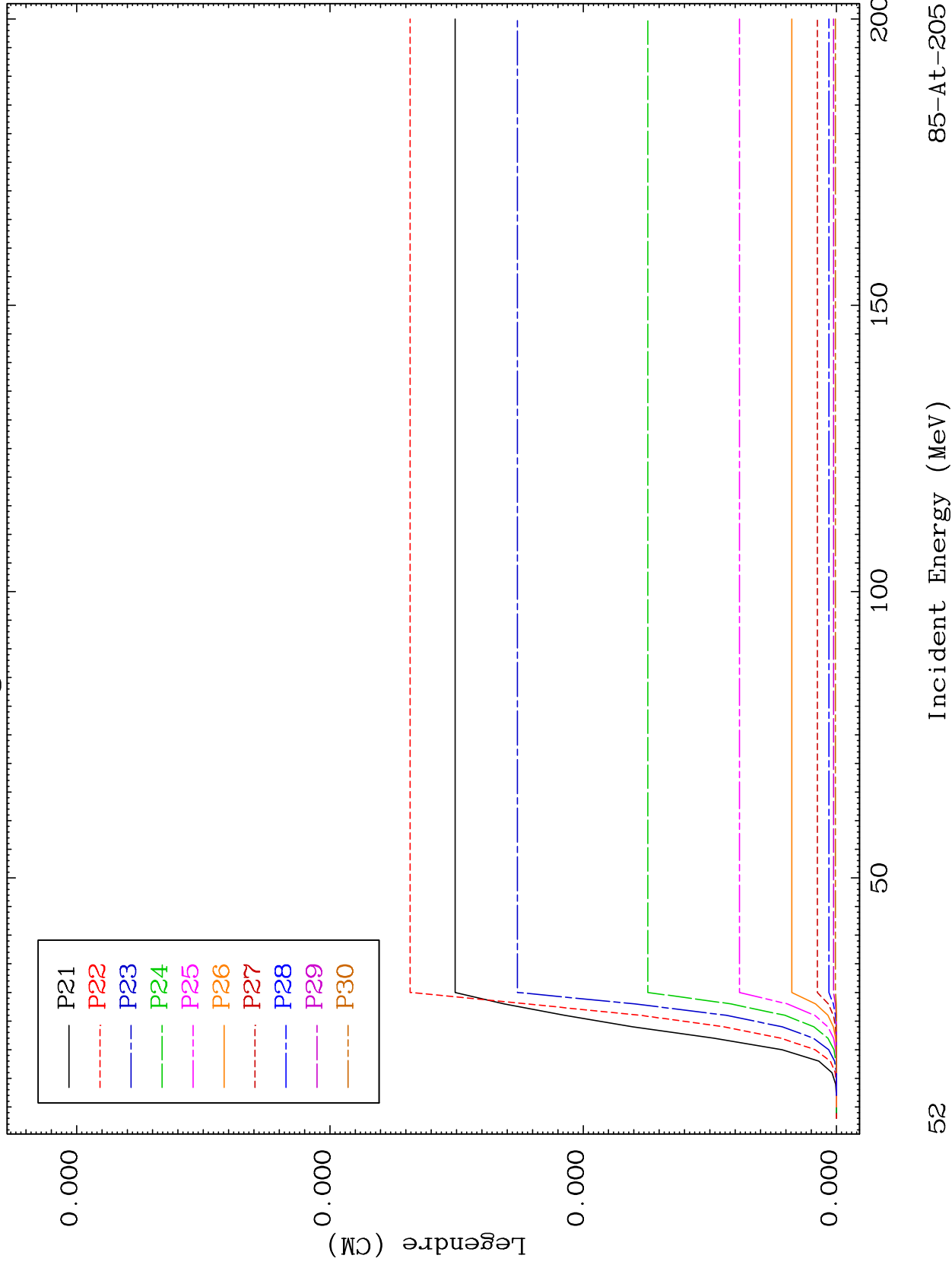
85-At-205



MAT 8531

MT= 59 (n,n') Level
Legendre Coefficients

85-At-205



52

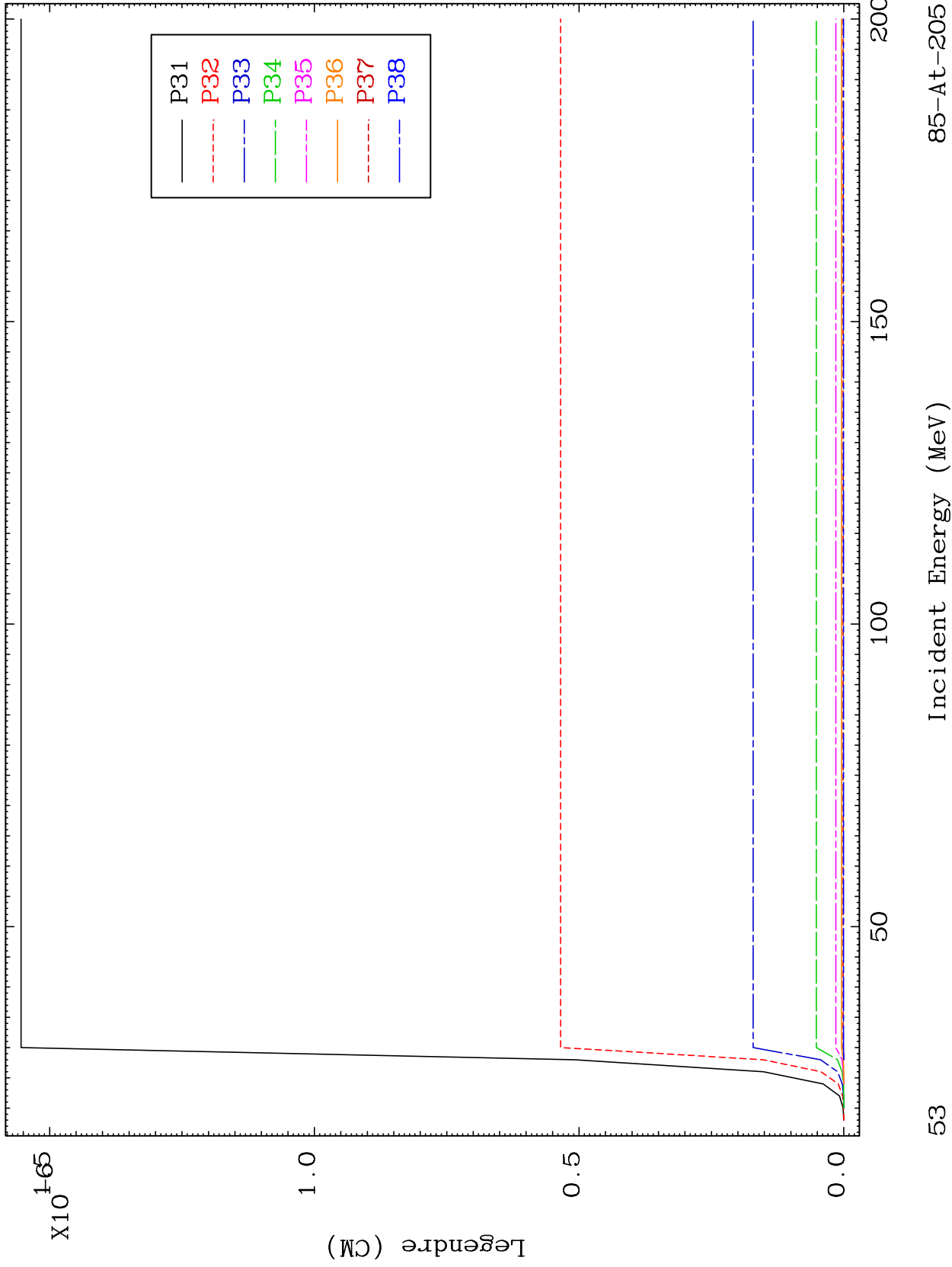
Incident Energy (MeV)

85-At-205

MAT 8531

MT= 59 (n,n') Level
Legendre Coefficients

85-At-205



53

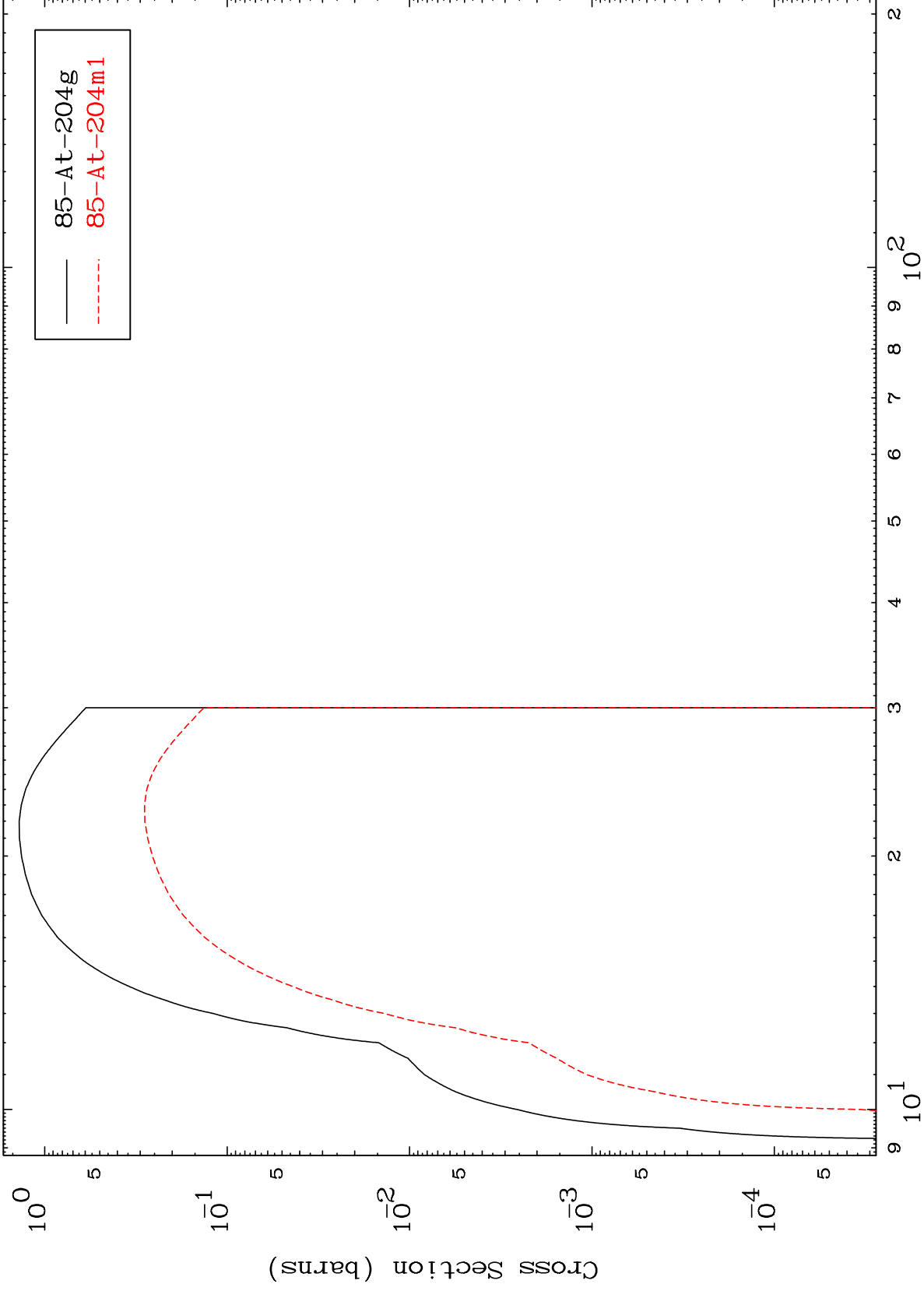
85-At-205

MAT 8531

(n,2n)

85-At-205

Radionuclide Production Cross Section



54

Incident Energy (MeV)

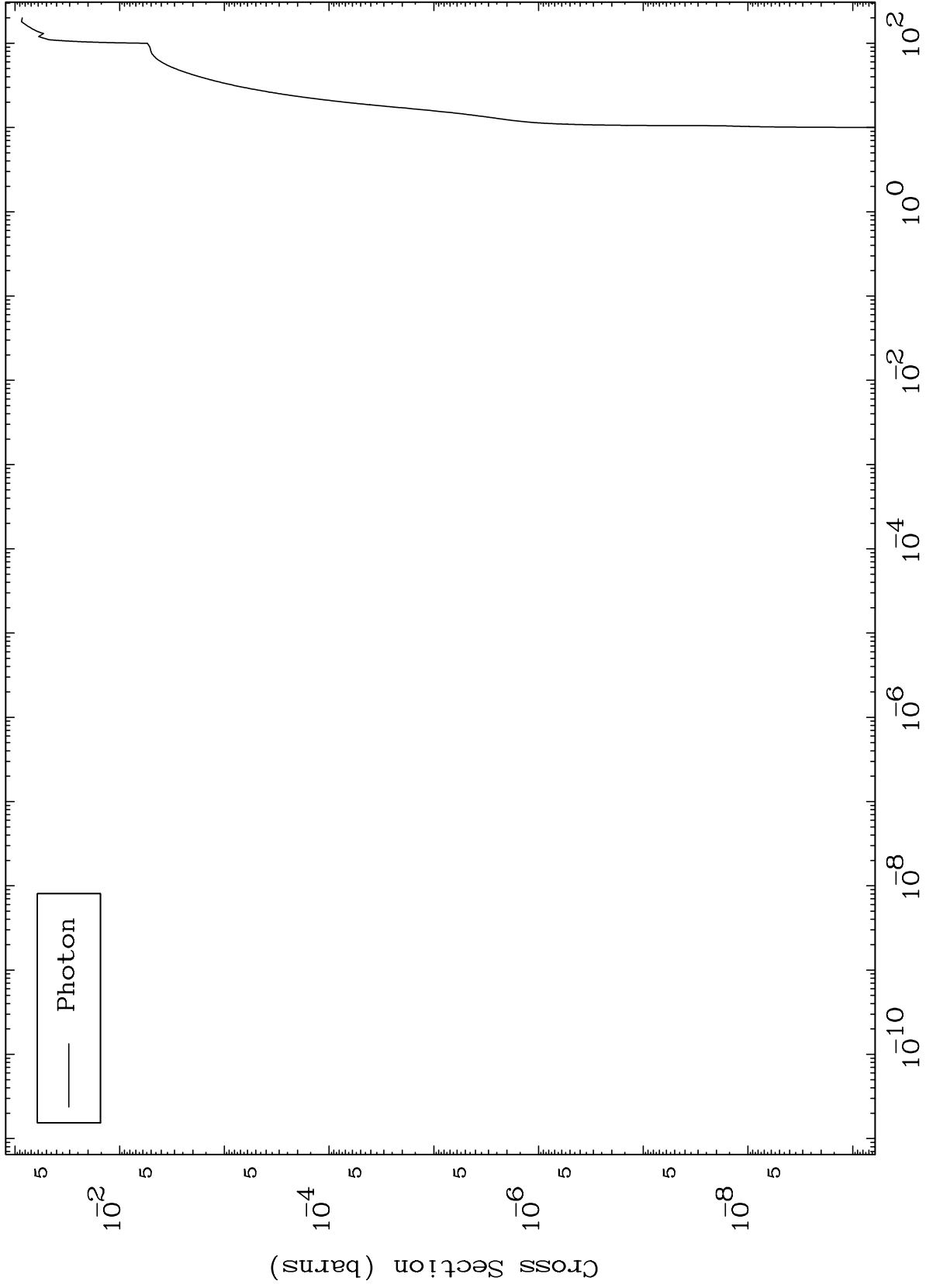
85-At-205

MAT 8531

Fission

85-At-205

Radionuclide Production Cross Section



55

Incident Energy (MeV)

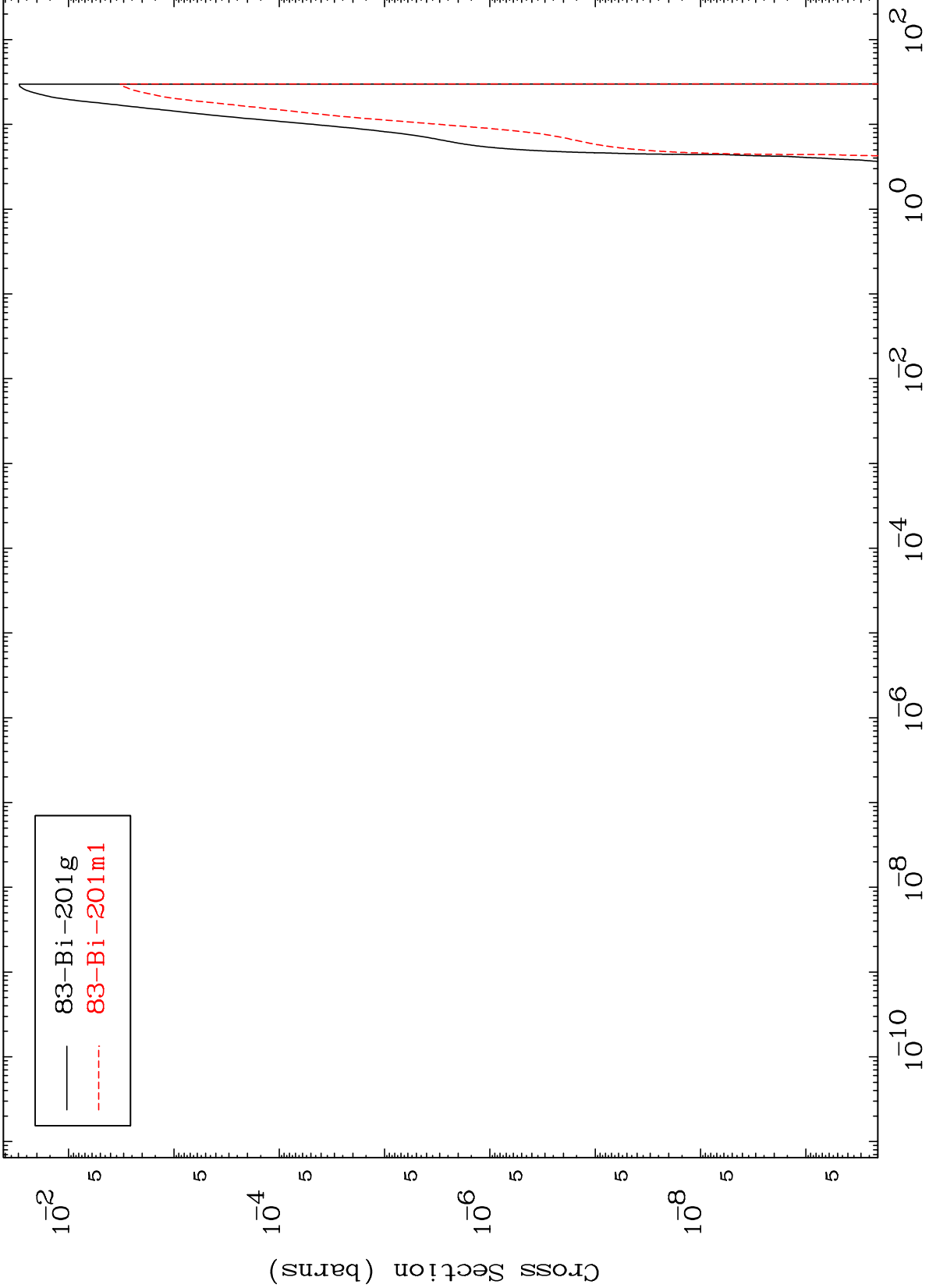
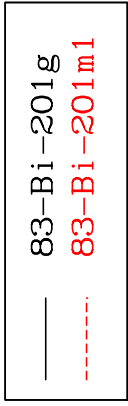
85-At-205

MAT 8531

(n,n') α

85-At-205

Radionuclide Production Cross Section



56

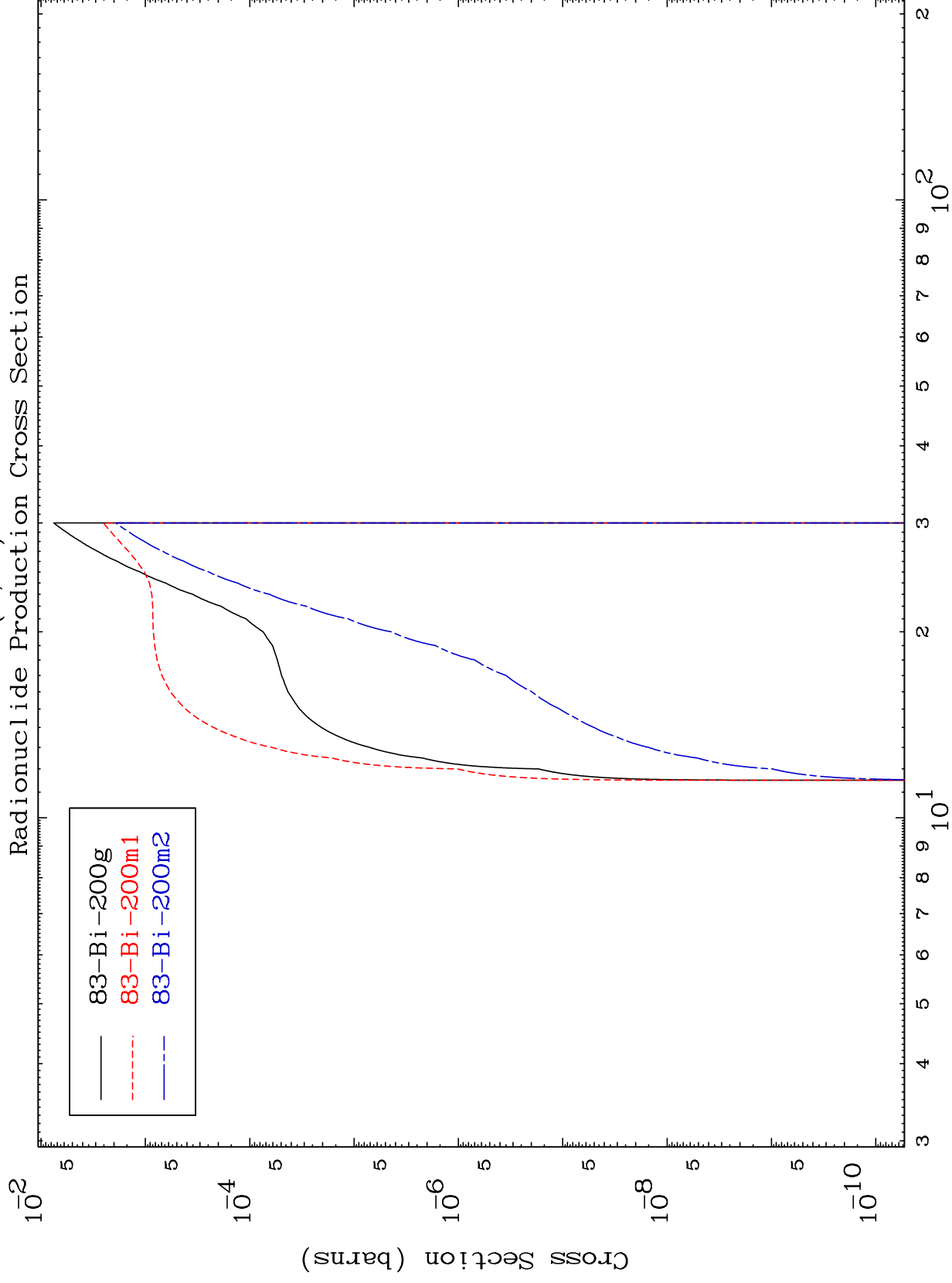
Incident Energy (MeV)

85-At-205

MAT 8531

$(n,2n) \alpha$

85-At-205



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

57

Incident Energy (MeV)

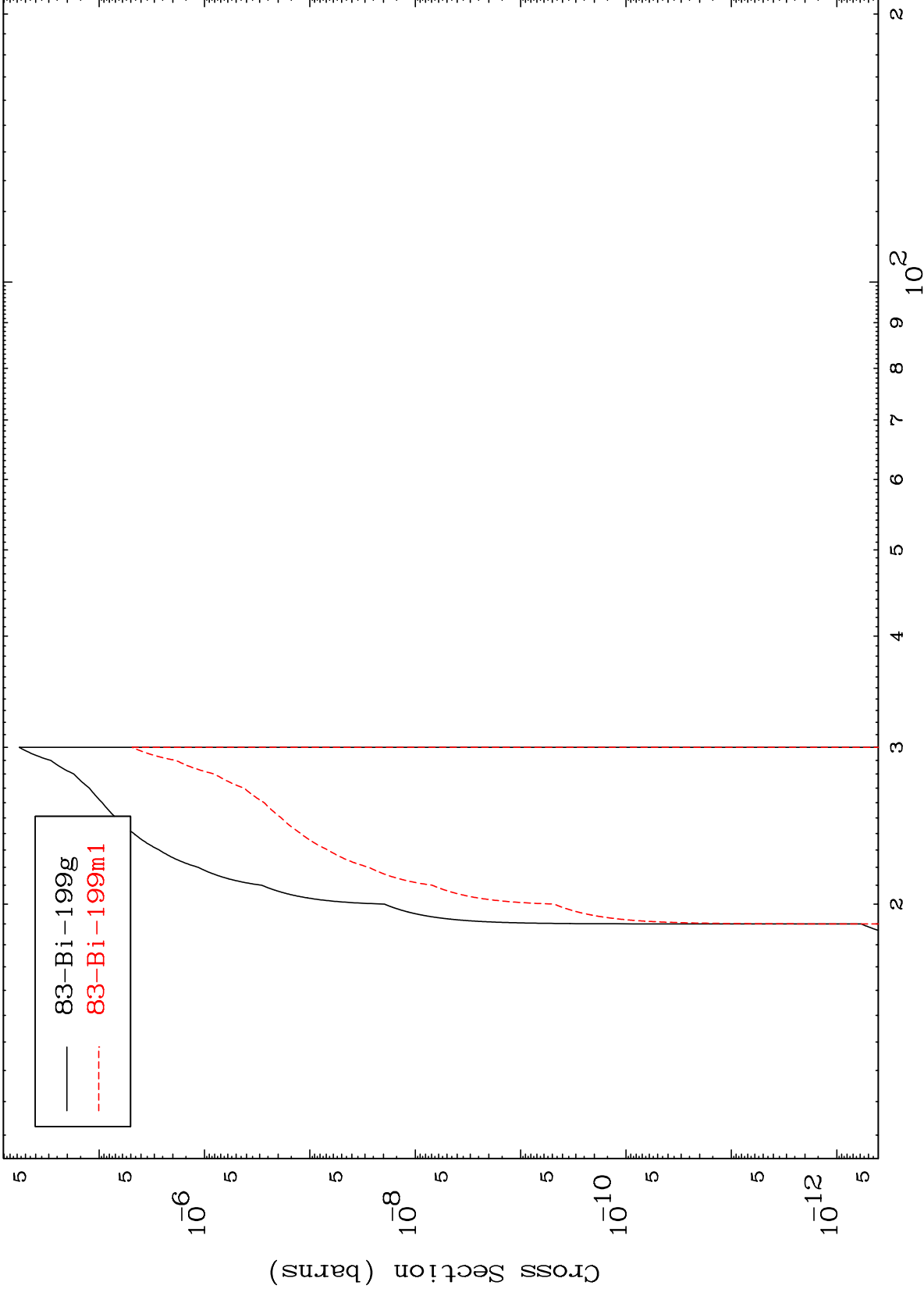
85-At-205

MAT 8531

(n,3n) α

85-At-205

Radionuclide Production Cross Section

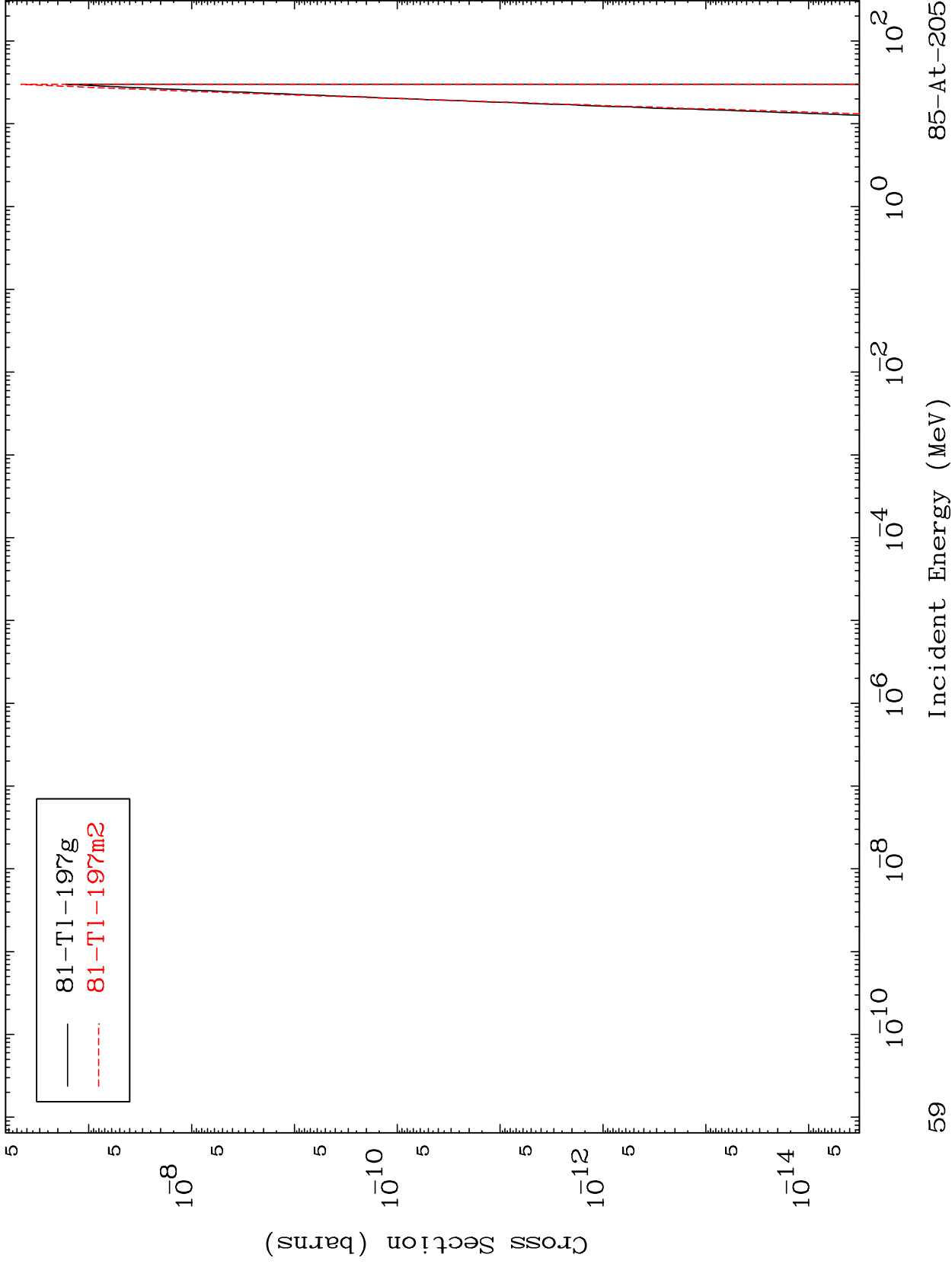


MAT 8531

(n,n') 2α

85-At-205

Radionuclide Production Cross Section



59

Incident Energy (MeV)

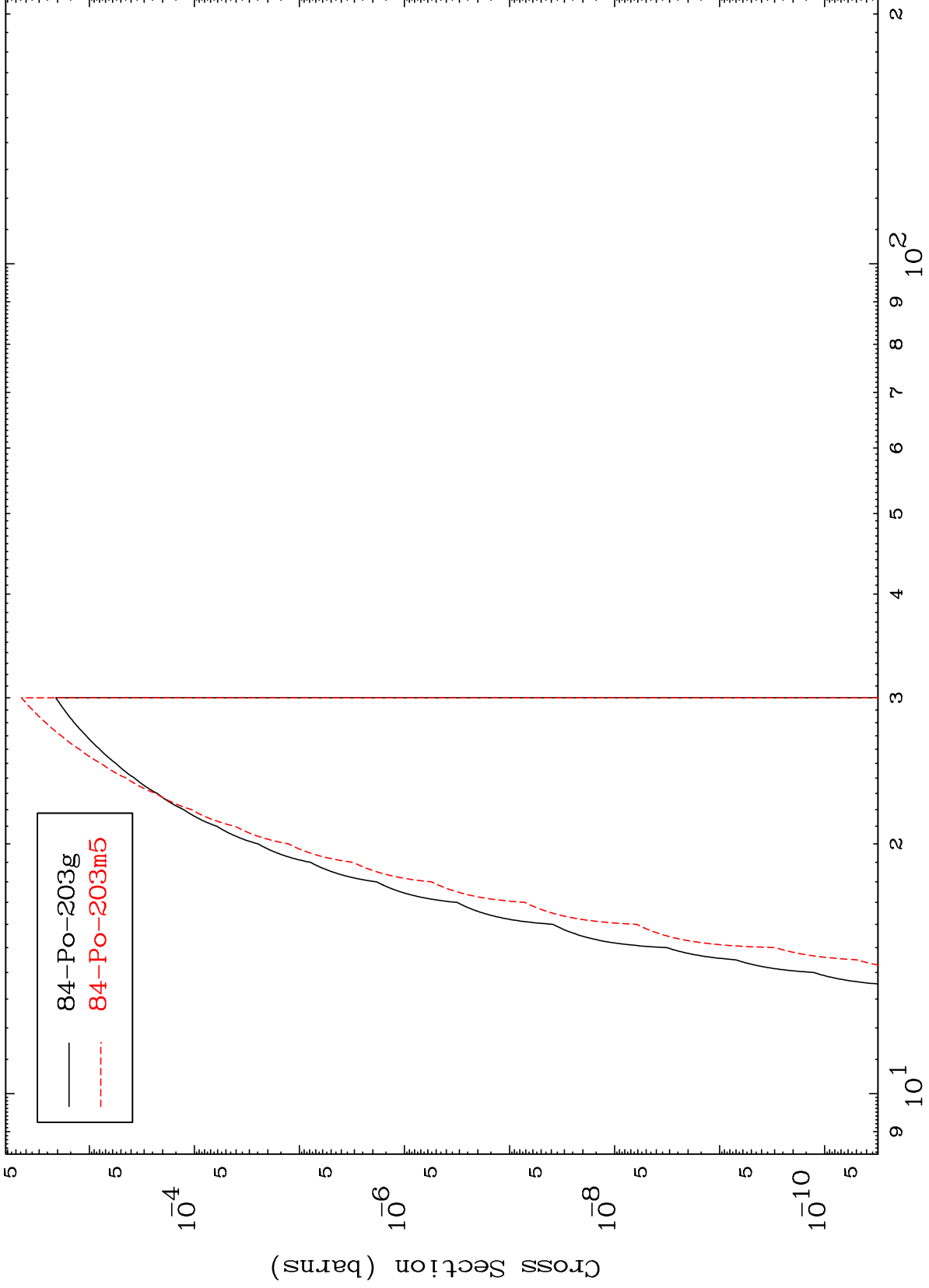
85-At-205

MAT 8531

(n,n') d

85-At-205

Radionuclide Production Cross Section



60

Incident Energy (MeV)

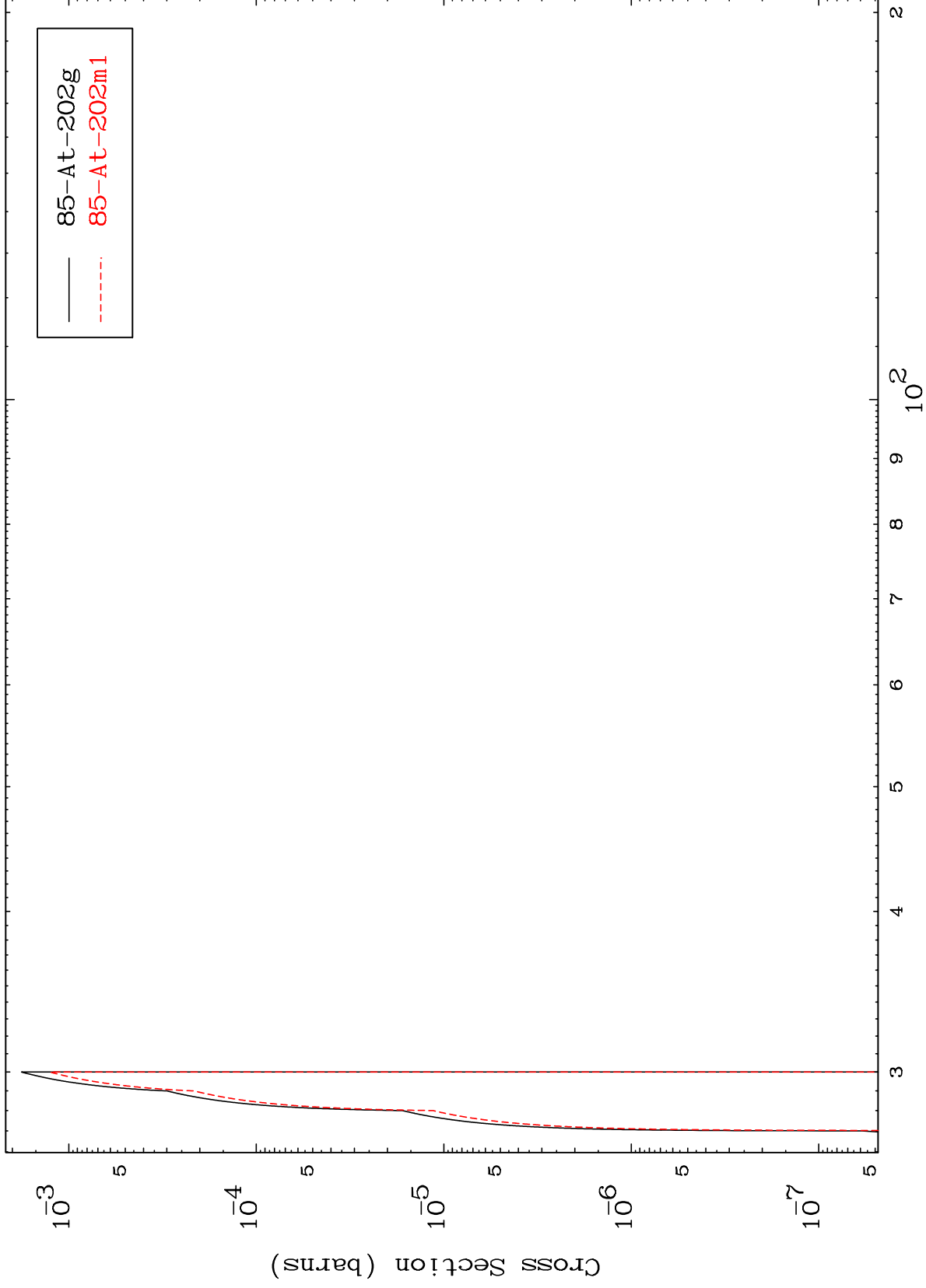
85-At-205

MAT 8531

(n,4n)

85-At-205

Radionuclide Production Cross Section



61

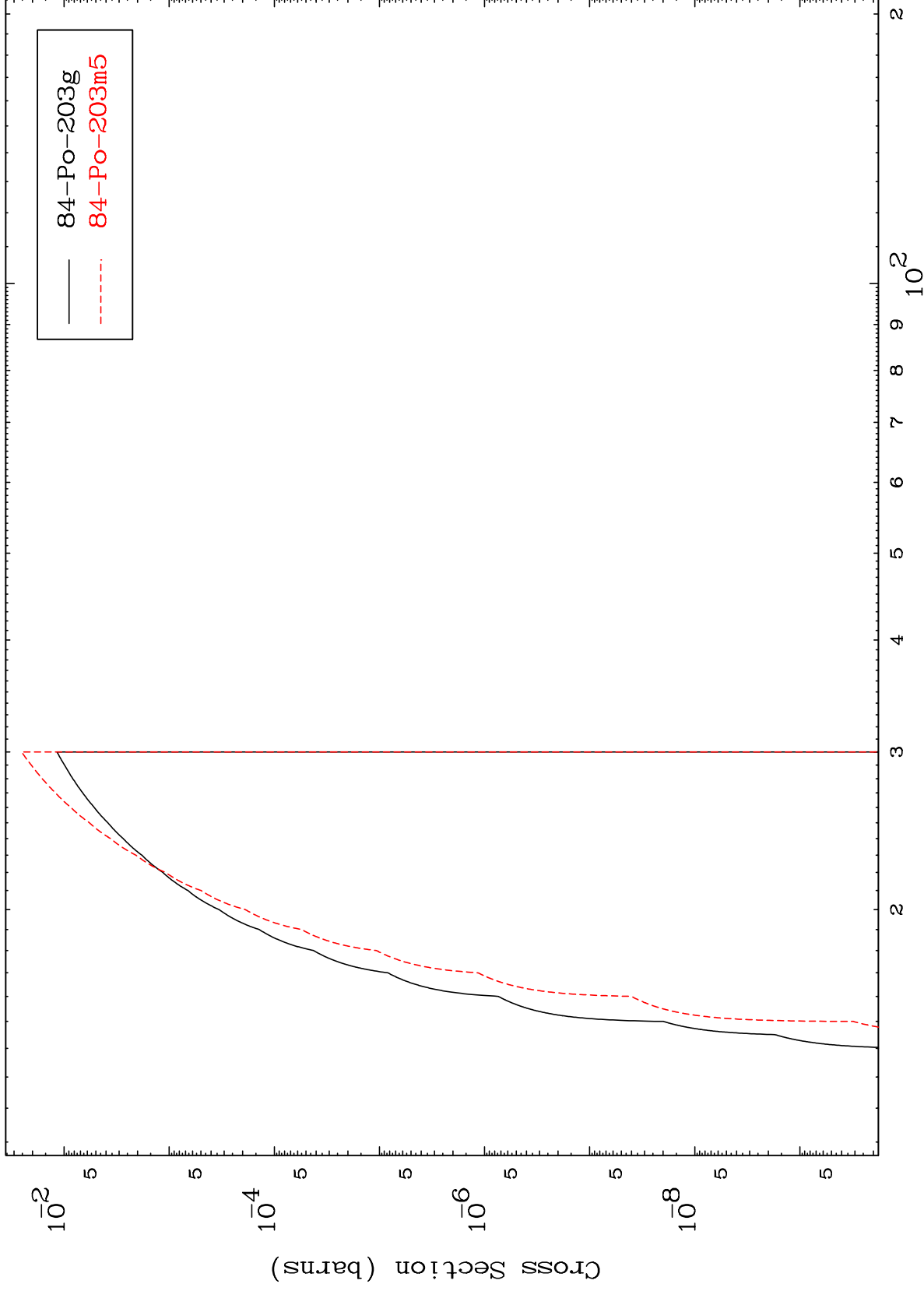
Incident Energy (MeV)

85-At-205

MAT 8531

85-At-205

(n,2n) p
Radionuclide Production Cross Section



62

Incident Energy (MeV)

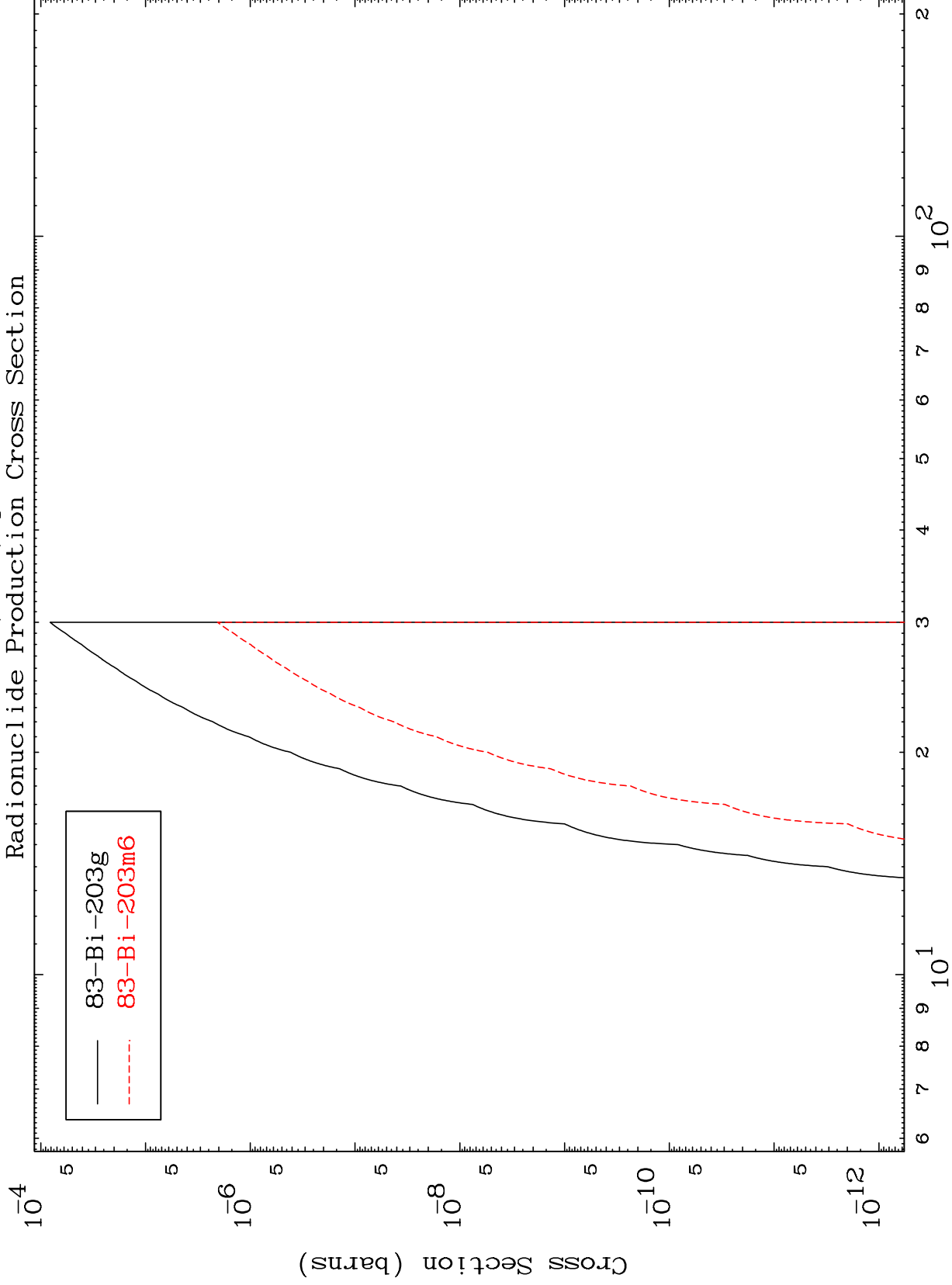
85-At-205

MAT 8531

(n,2n) p

85-At-205

Radionuclide Production Cross Section



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

63

Incident Energy (MeV)

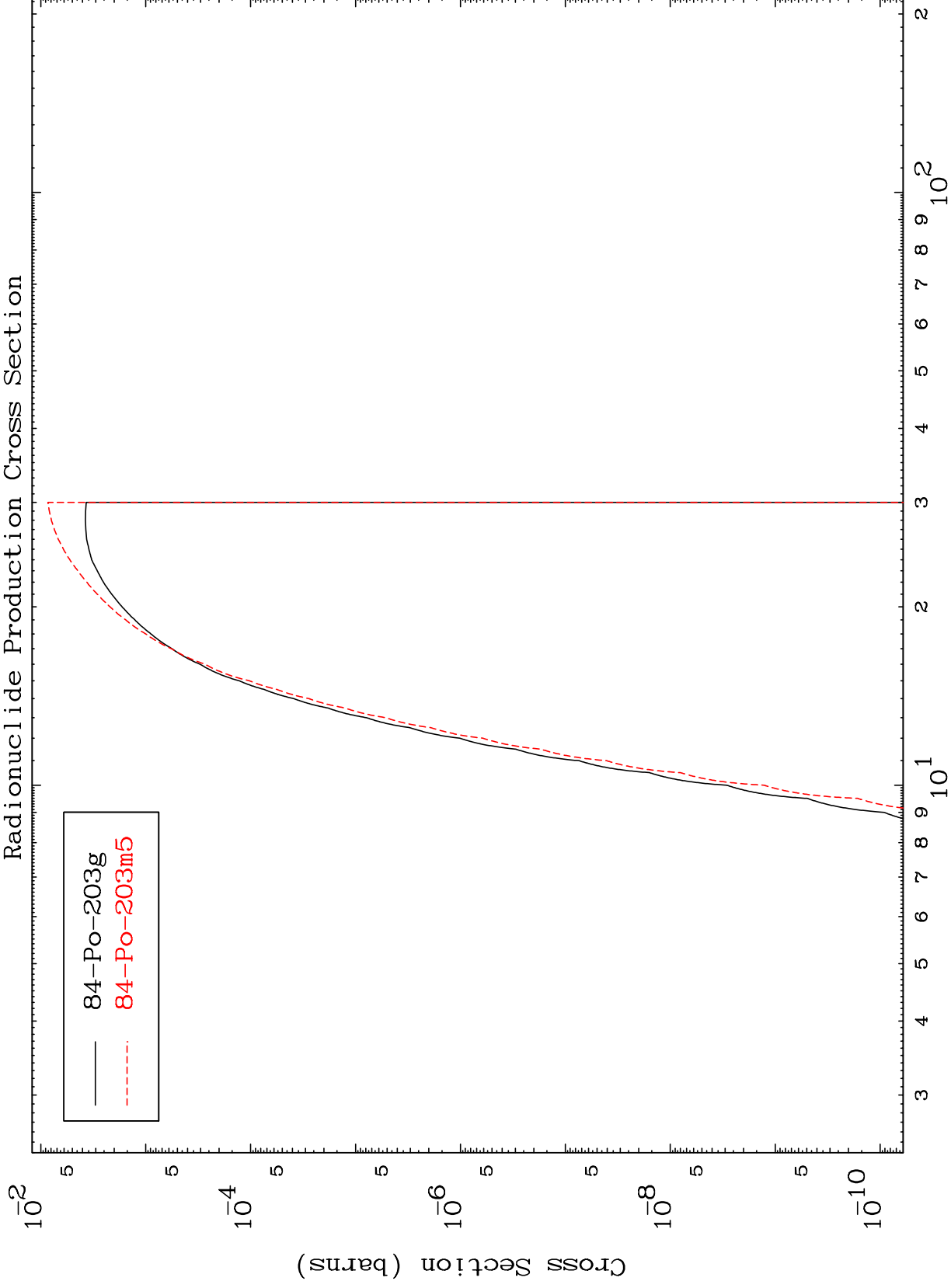
85-At-205

MAT 8531

85-At-205

Radionuclide Production Cross Section

(n, t)



64

Incident Energy (MeV)

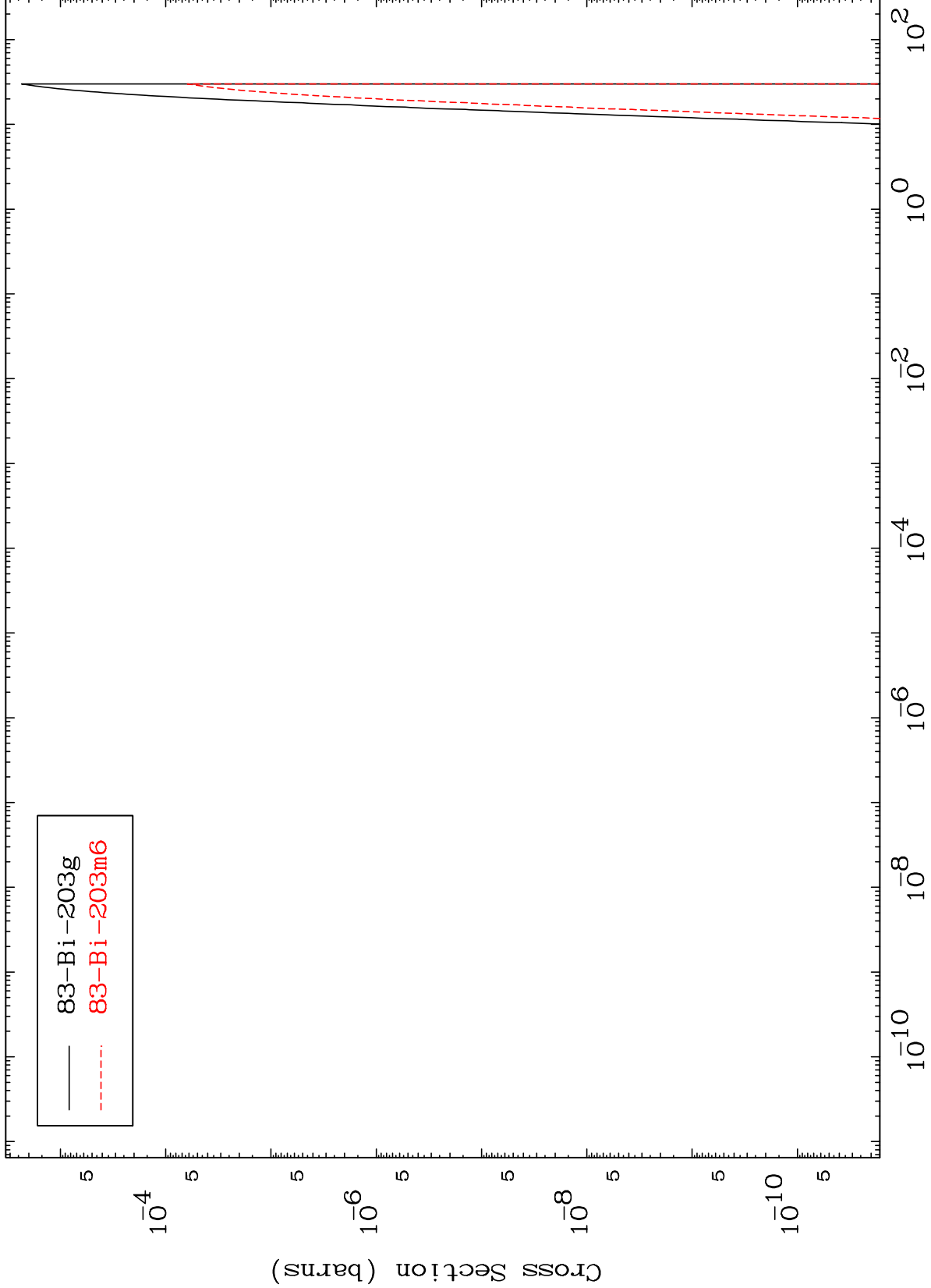
85-At-205

MAT 8531

(n,He-3)

85-At-205

Radionuclide Production Cross Section



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

65

Incident Energy (MeV)

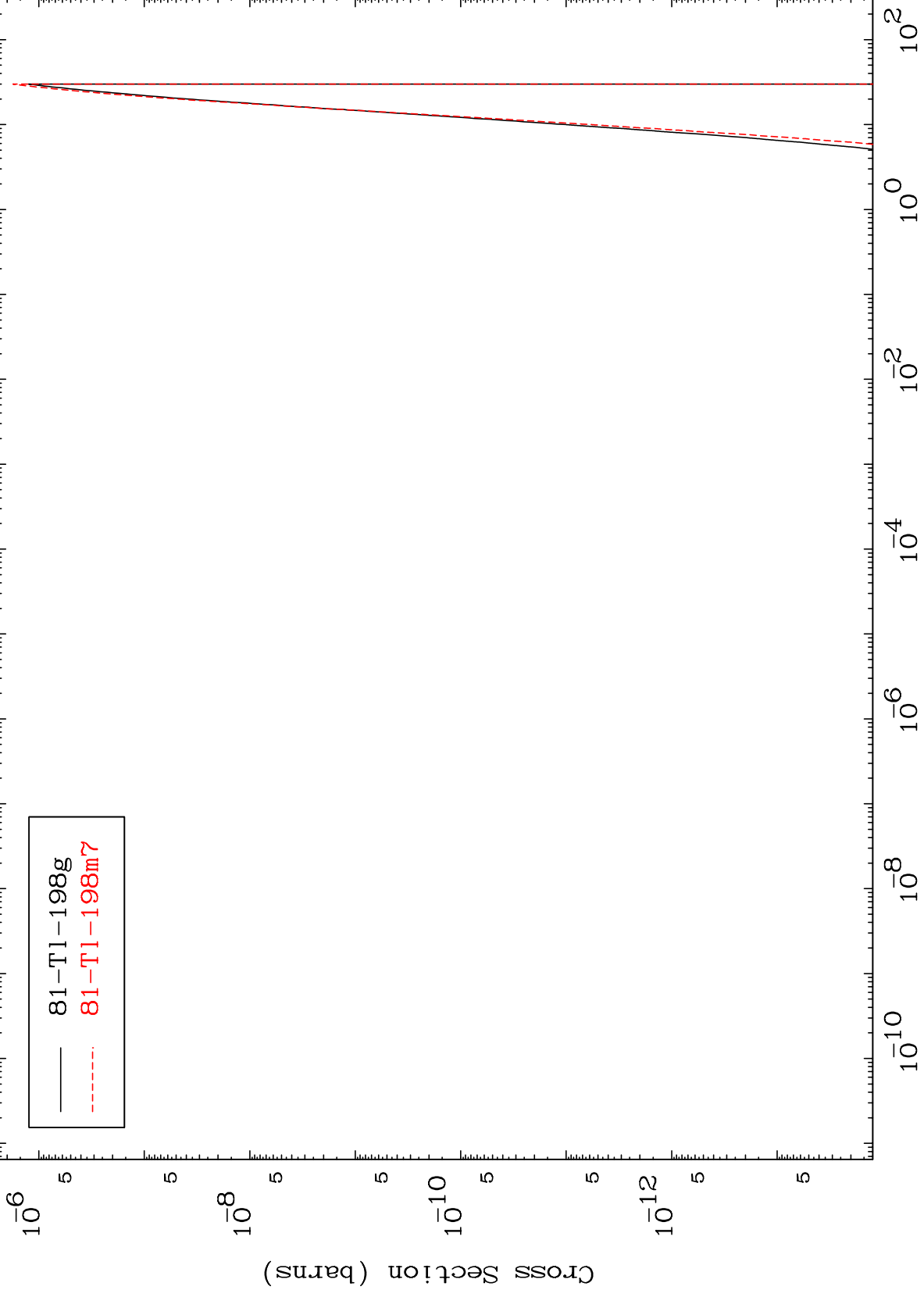
85-At-205

MAT 8531

(n,2α)

85-At-205

Radionuclide Production Cross Section



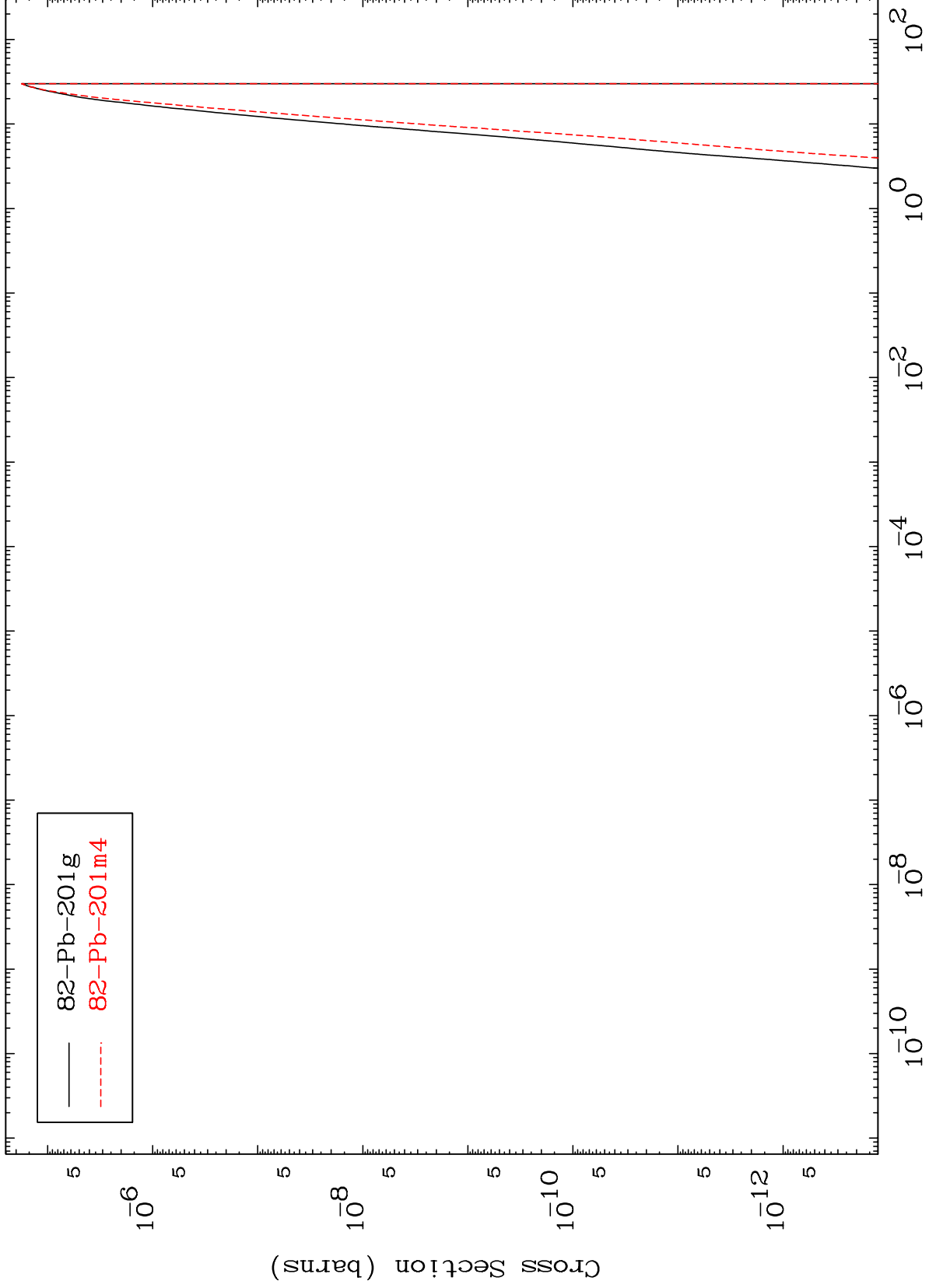
81-Tl-198g
81-Tl-198m7

MAT 8531

(n,p) α

85-At-205

Radionuclide Production Cross Section



67

Incident Energy (MeV)

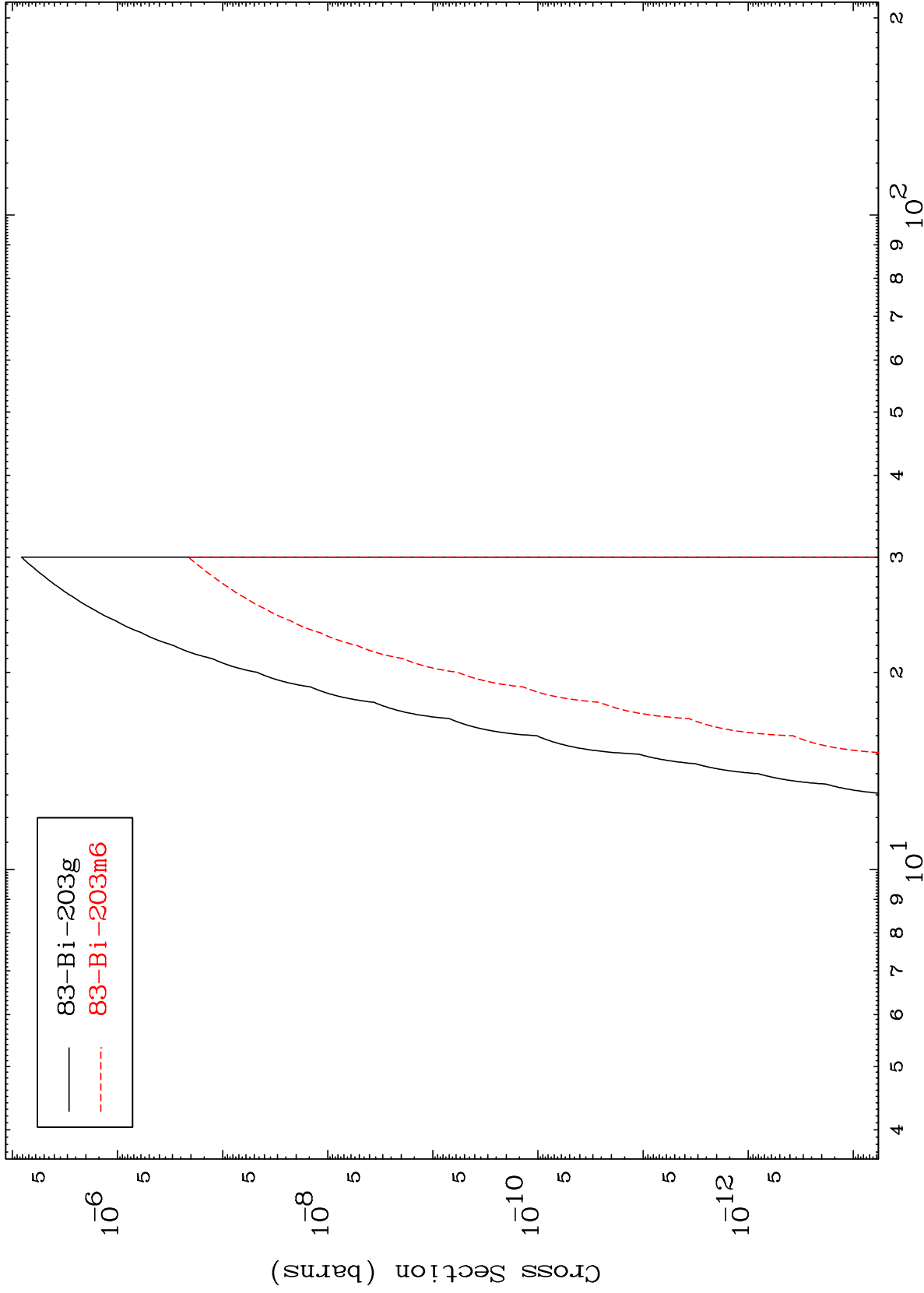
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85-At-205

Radionuclide Production Cross Section



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

68

Incident Energy (MeV)

85-At-205