

Program EVALPLOT  
(Version 2021-1)

by

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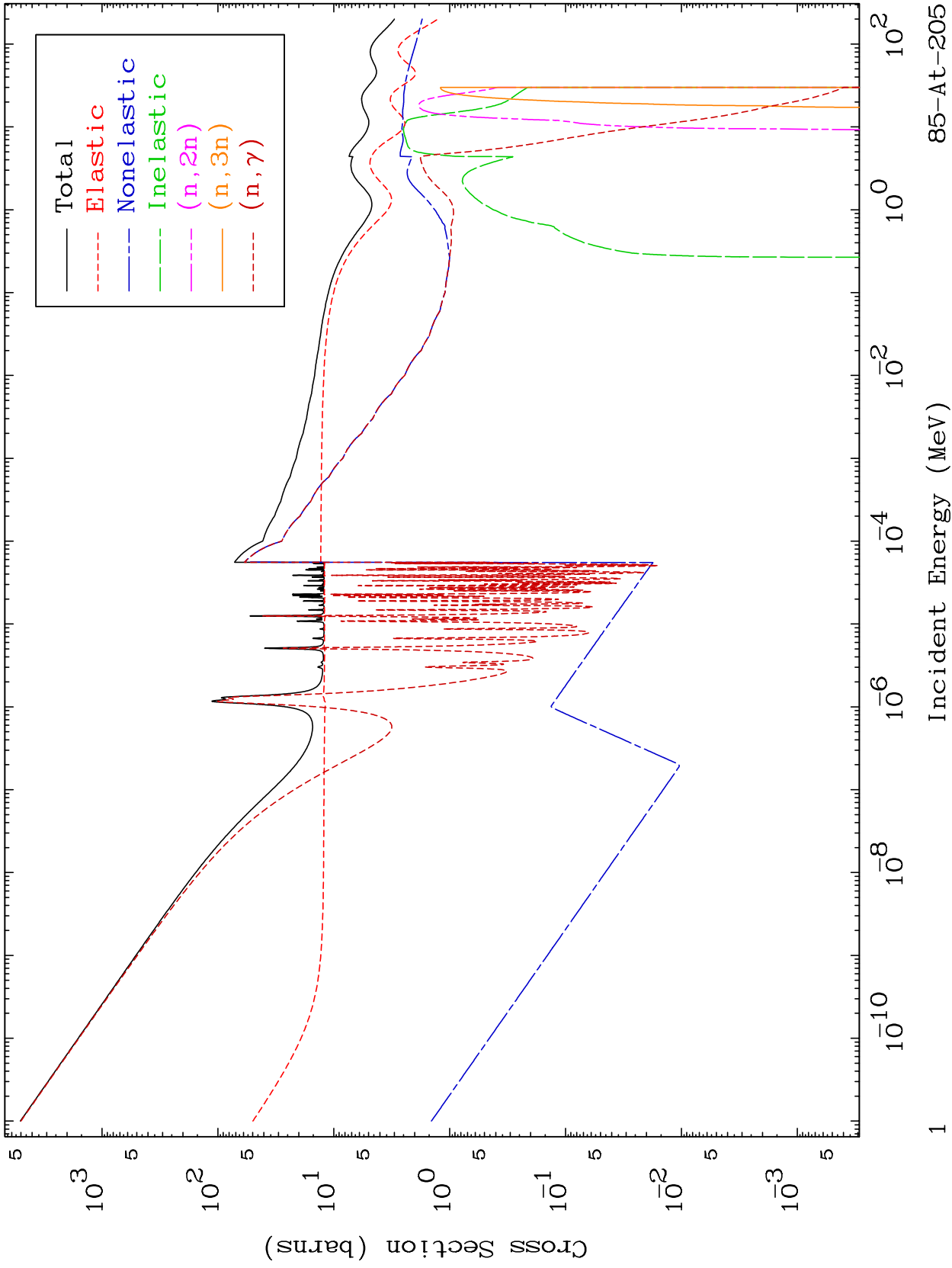
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Press Mouse Button to Start

MAT 8531

Neutron Major  
293 Kelvin Cross Sections

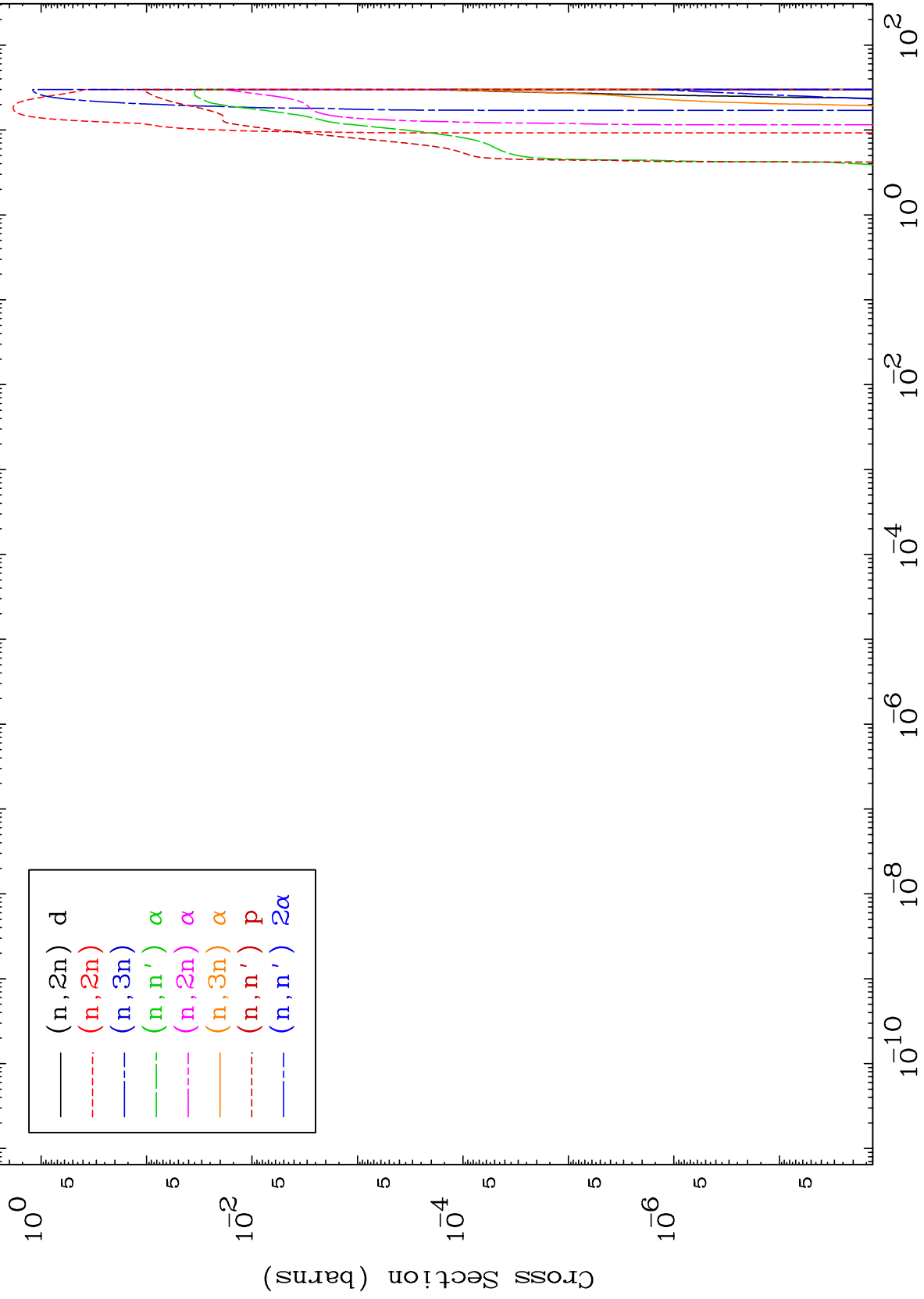
85-At-205



MAT 8531

Neutron Absorption  
293 Kelvin Cross Sections

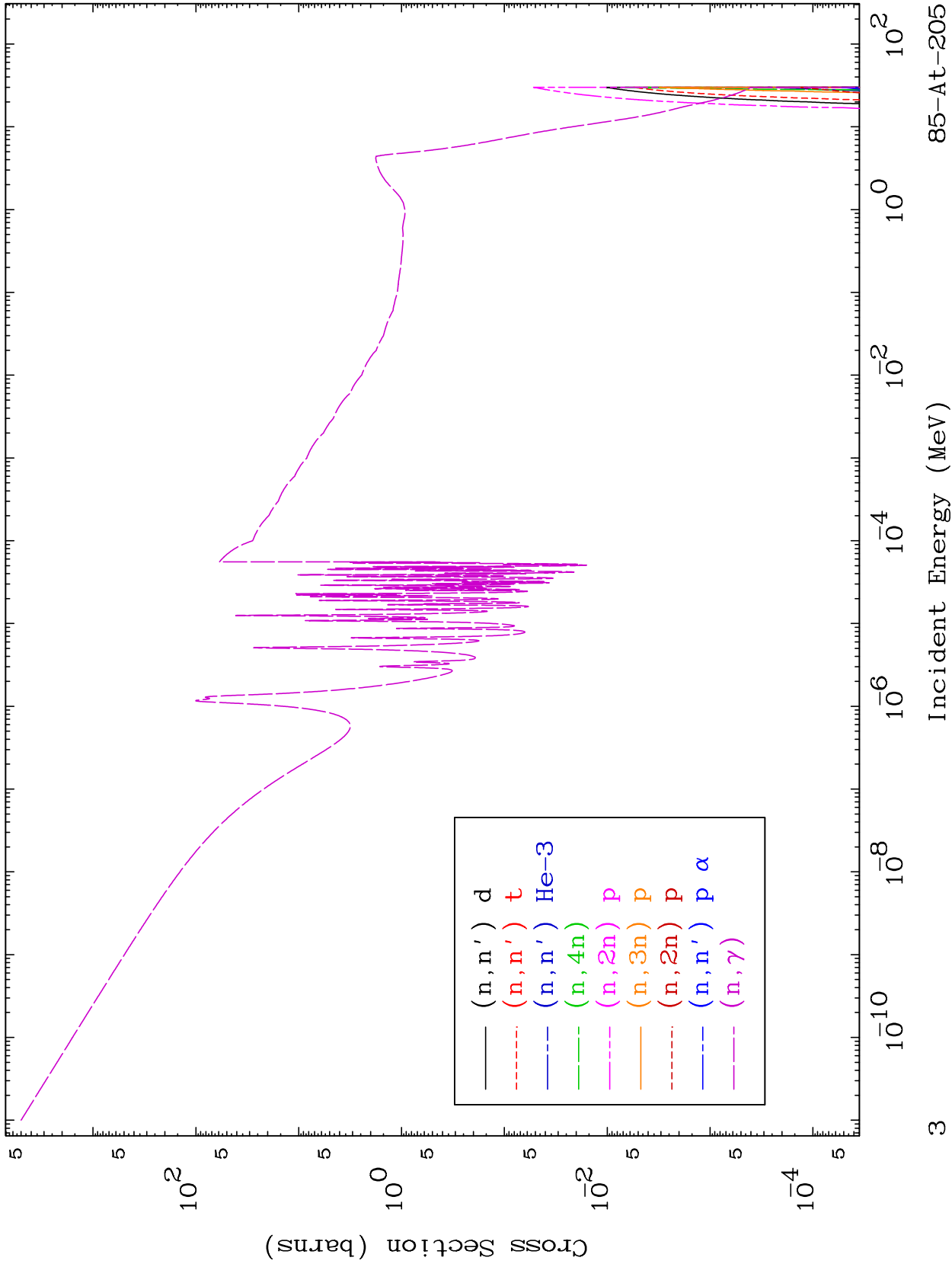
85-At-205



MAT 8531

Neutron Absorption  
293 Kelvin Cross Sections

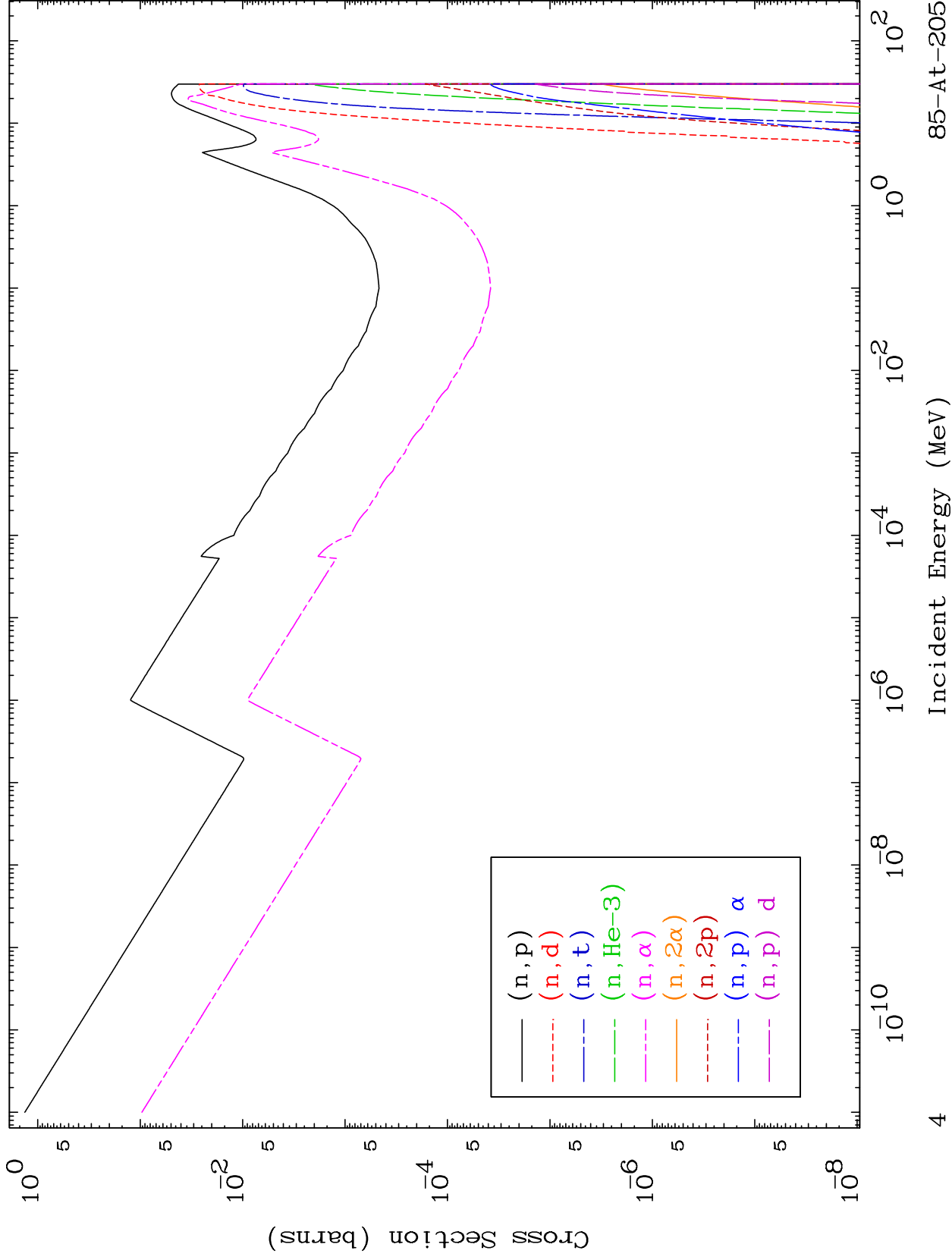
85-At-205



MAT 8531

Neutron Absorption  
293 Kelvin Cross Sections

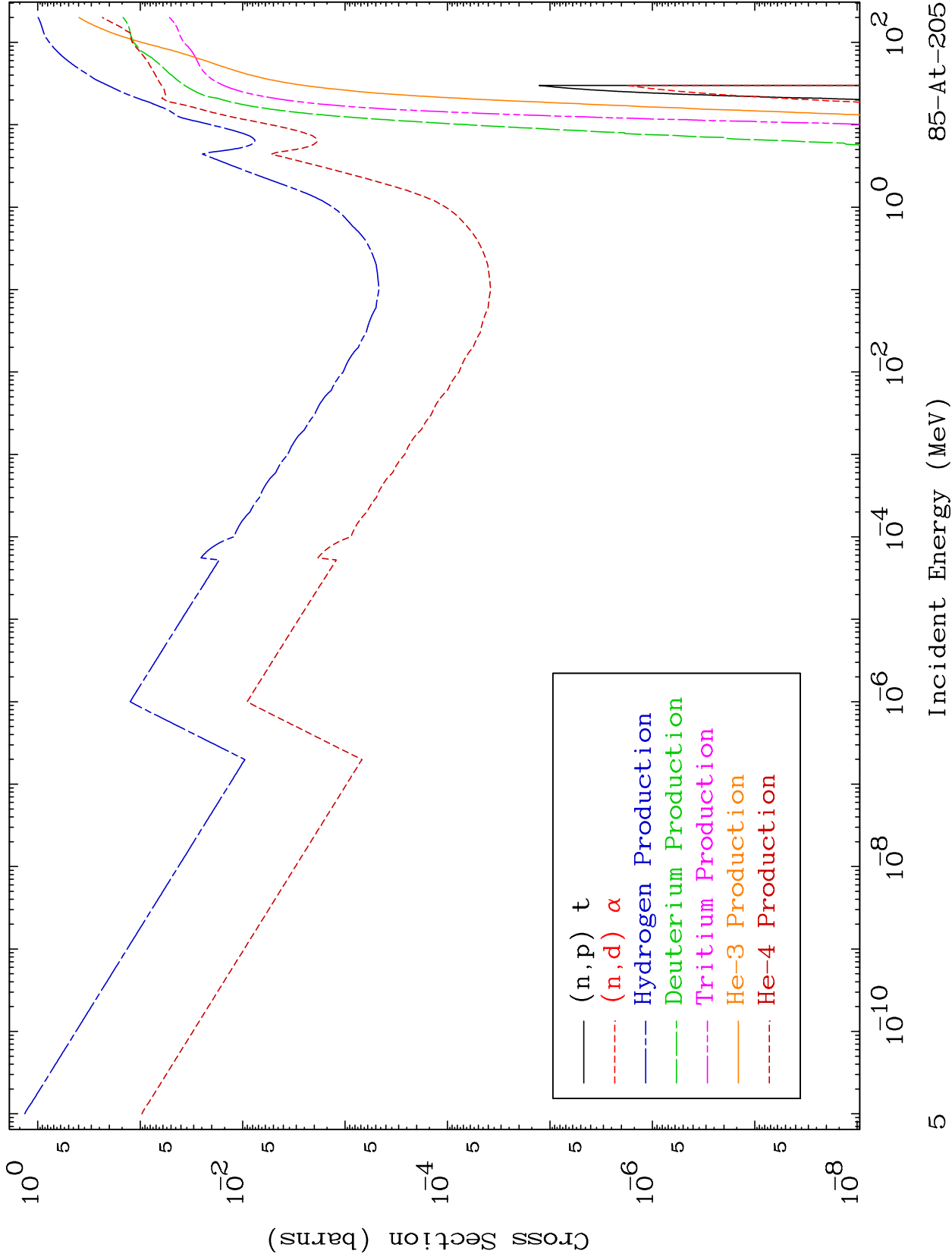
85-At-205



MAT 8531

Neutron Absorption  
293 Kelvin Cross Sections

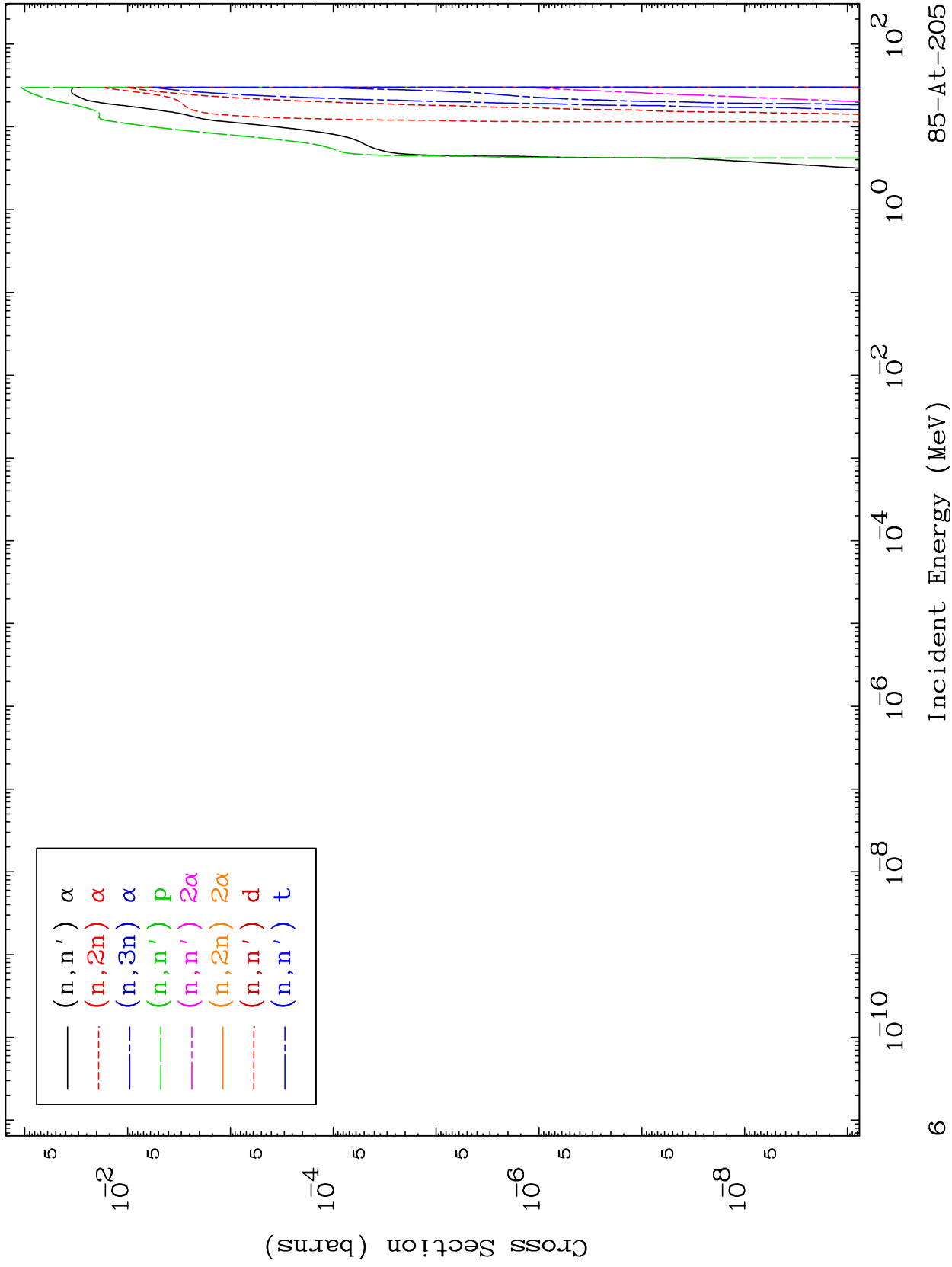
85-At-205



MAT 8531

Charged Particle  
293 Kelvin Cross Sections

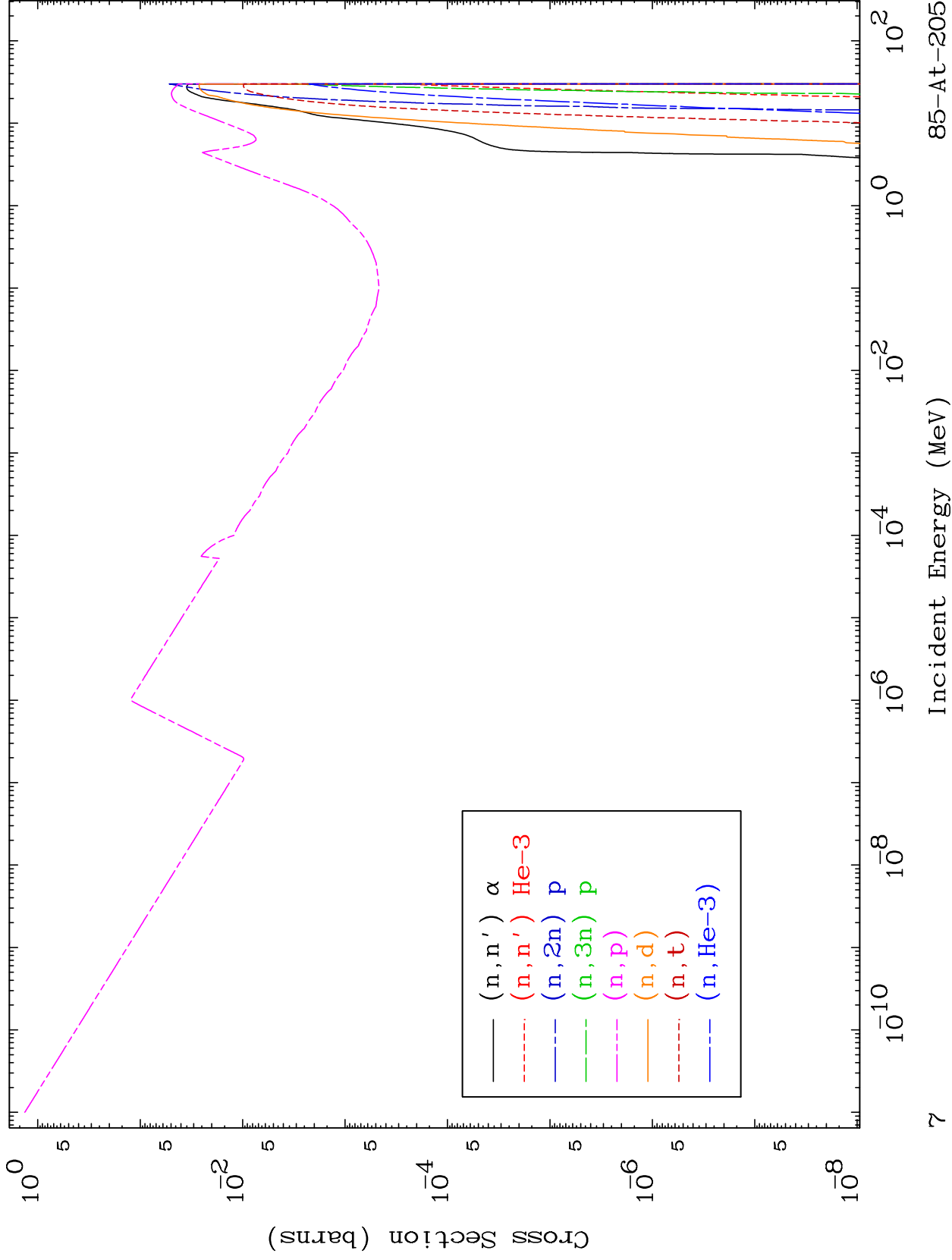
85-At-205



MAT 8531

Charged Particle  
293 Kelvin Cross Sections

85-At-205

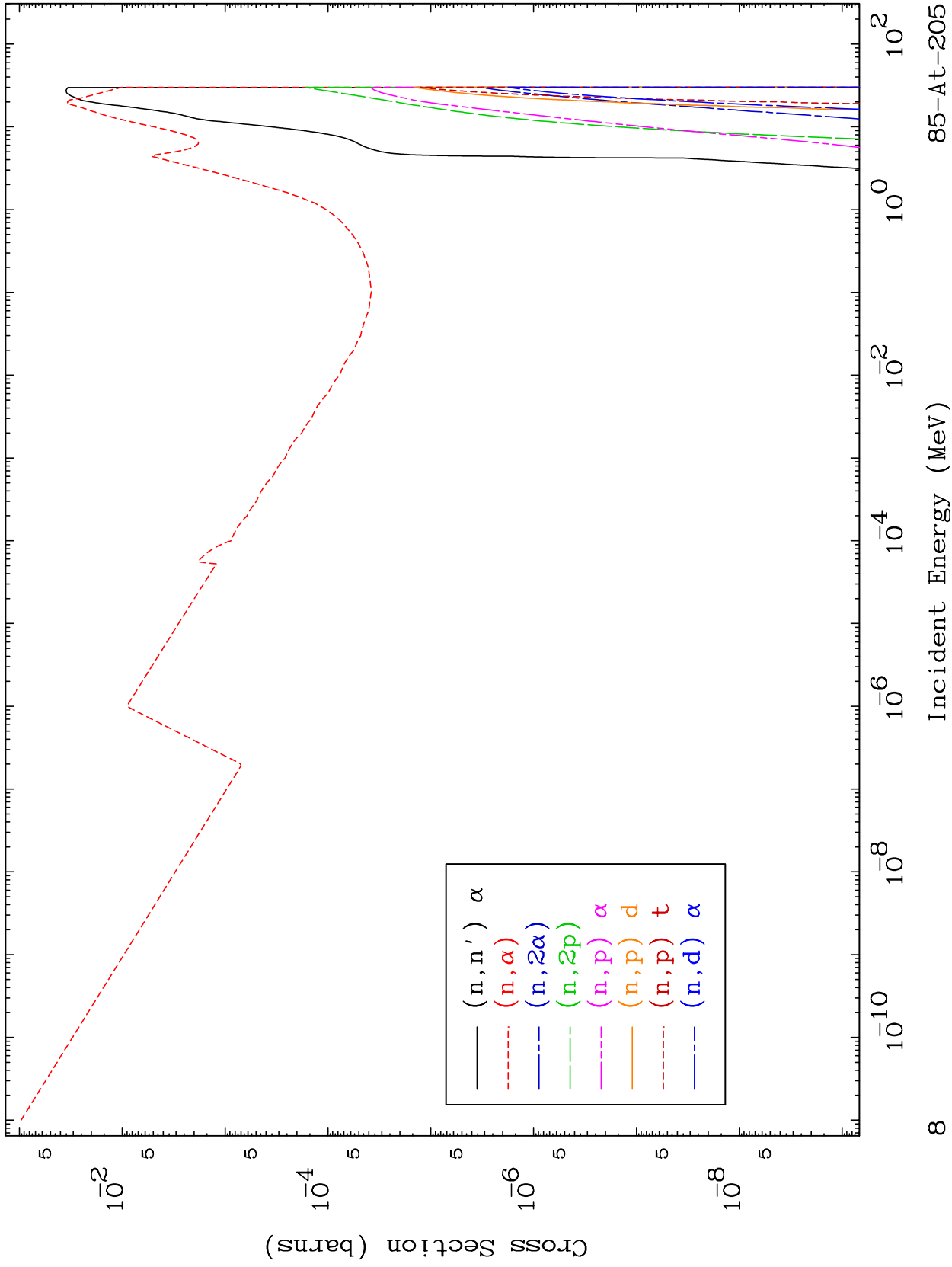




MAT 8531

Charged Particle  
293 Kelvin Cross Sections

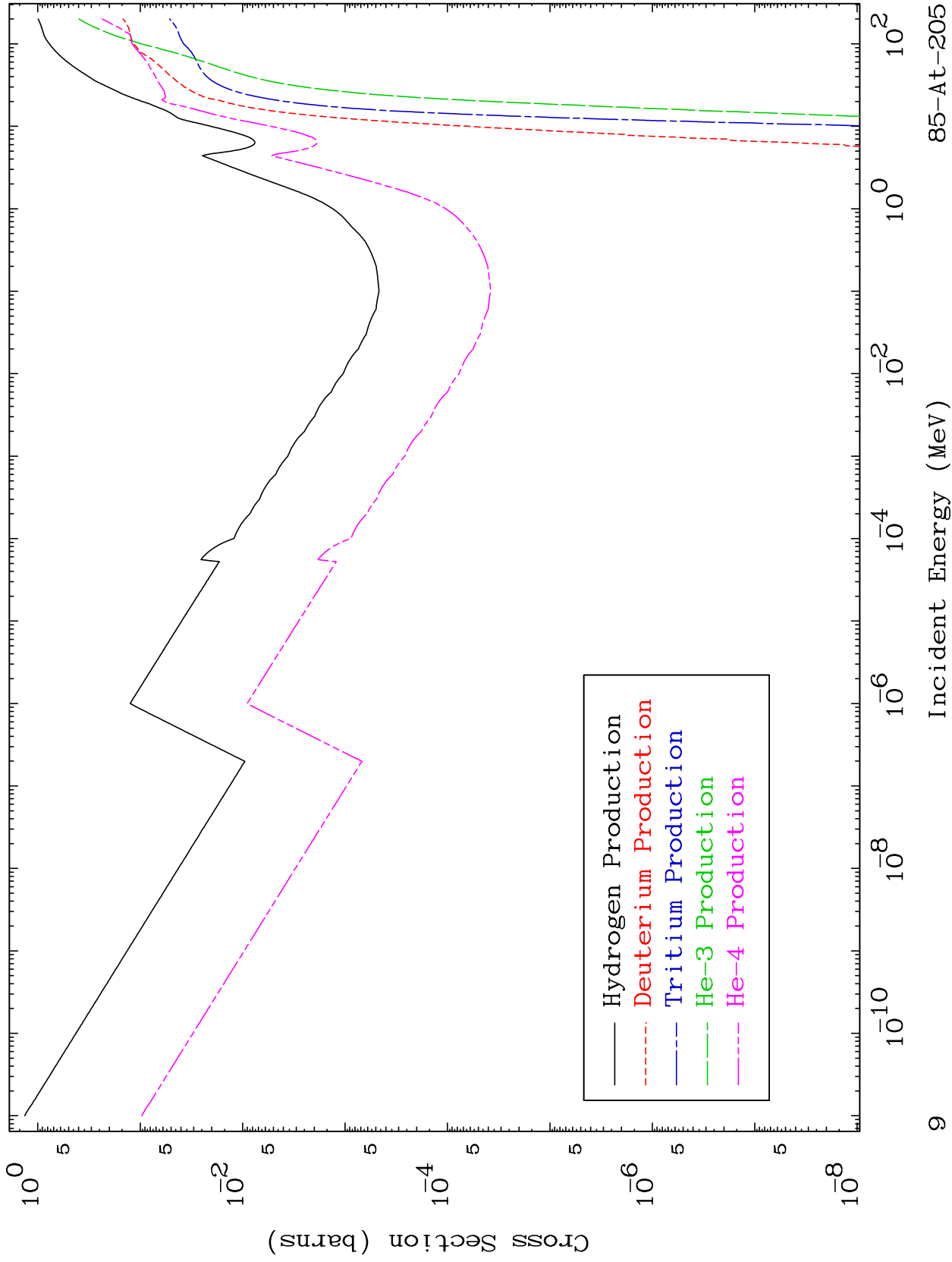
85-At-205



MAT 8531

Particle Production  
293 Kelvin Cross Sections

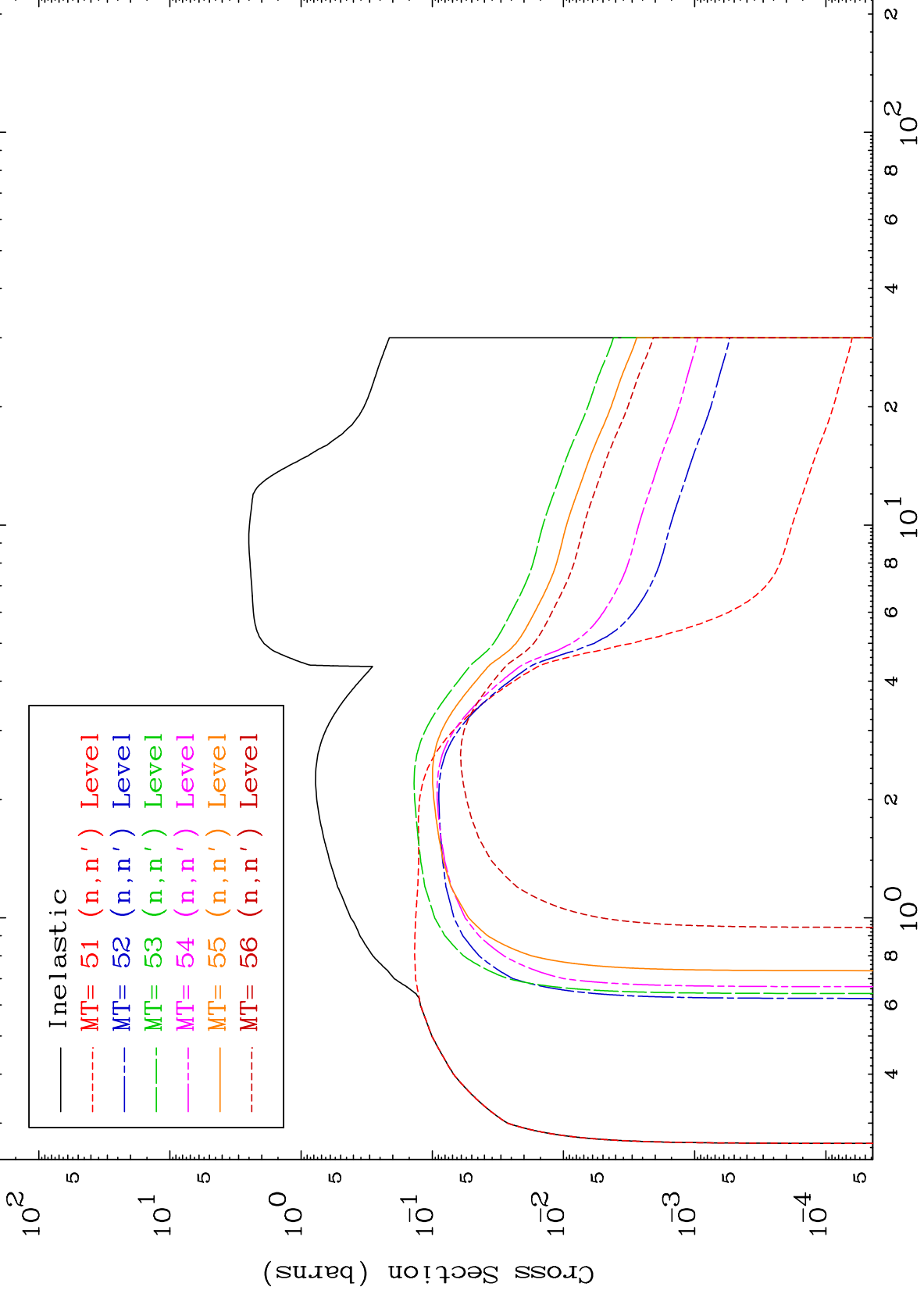
85-At-205



MAT 8531

(n,n') Levels  
293 Kelvin Cross Sections

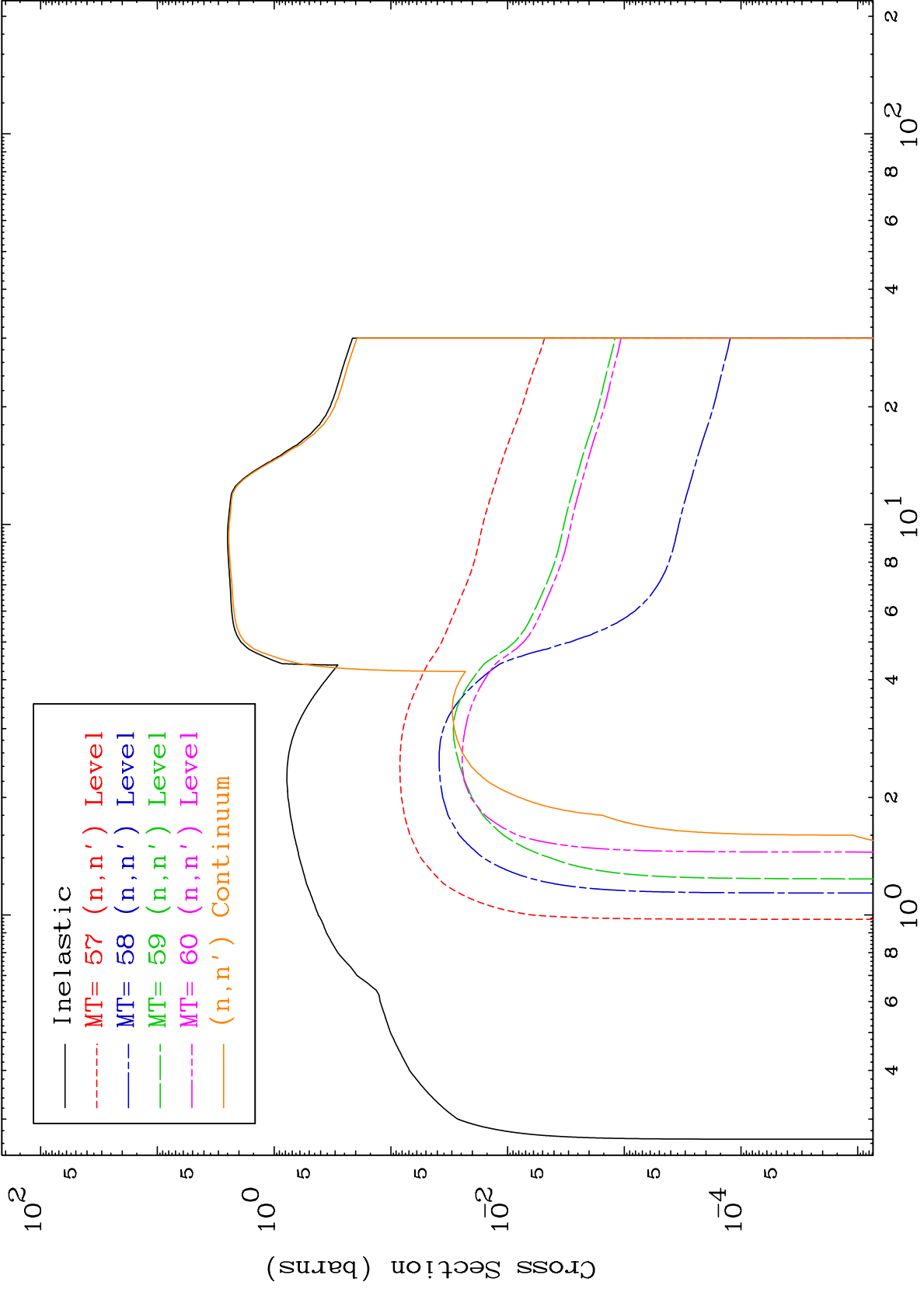
85-At-205



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Incident Energy (MeV)

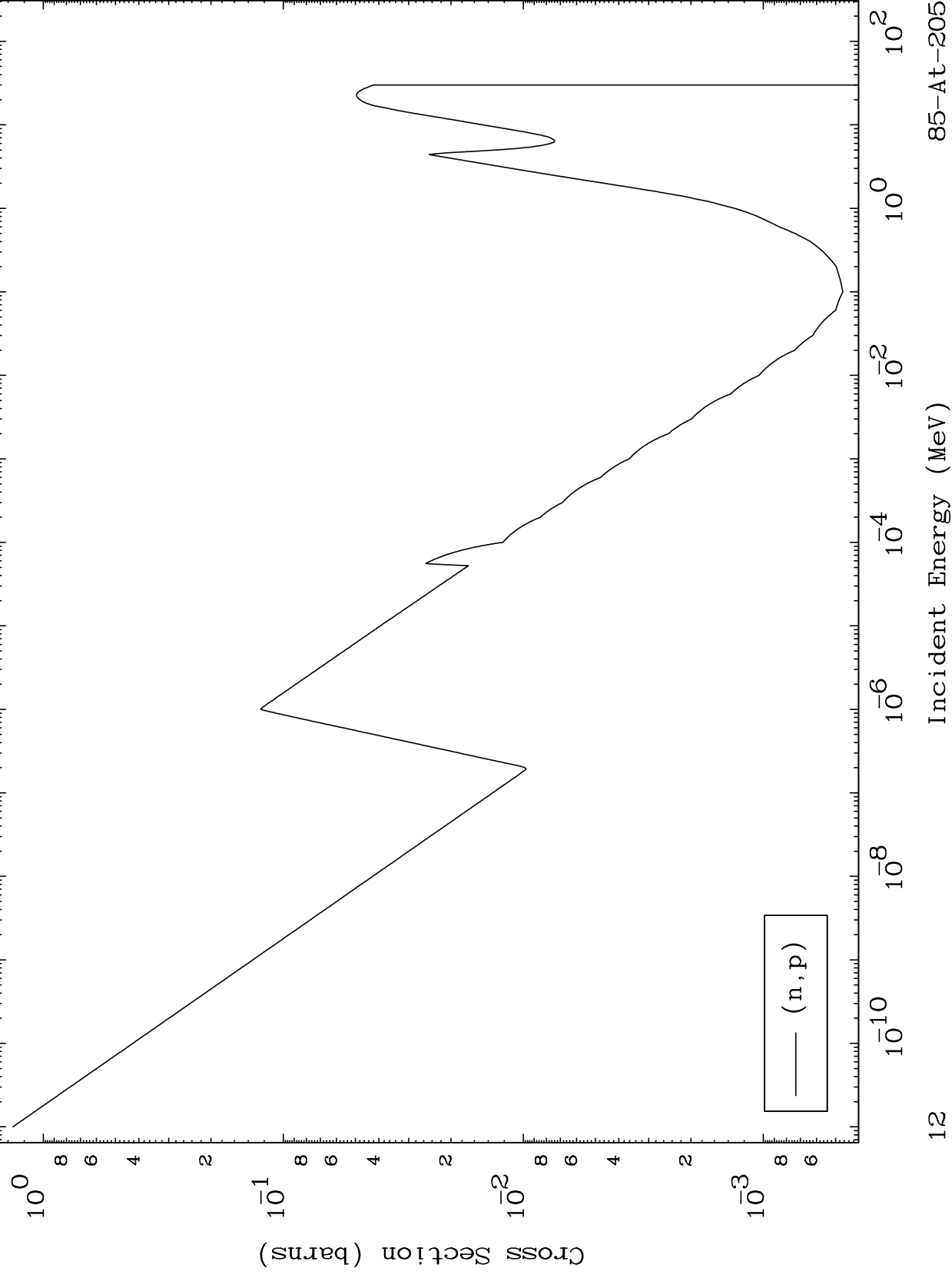
85-At-205



MAT 8531

(n,p) Levels  
293 Kelvin Cross Sections

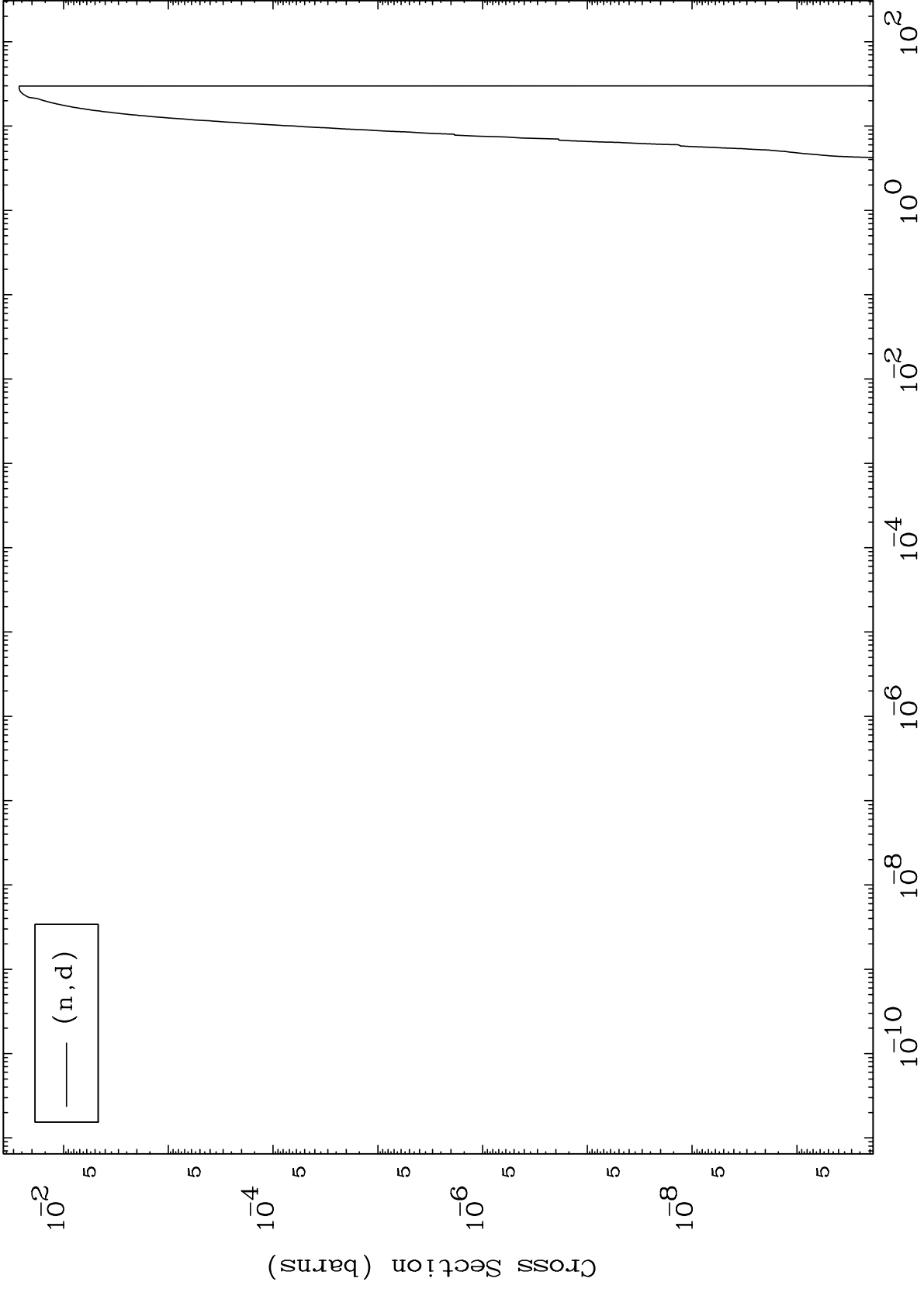
85-At-205



MAT 8531

(n,d) Levels  
293 Kelvin Cross Sections

85-At-205



13

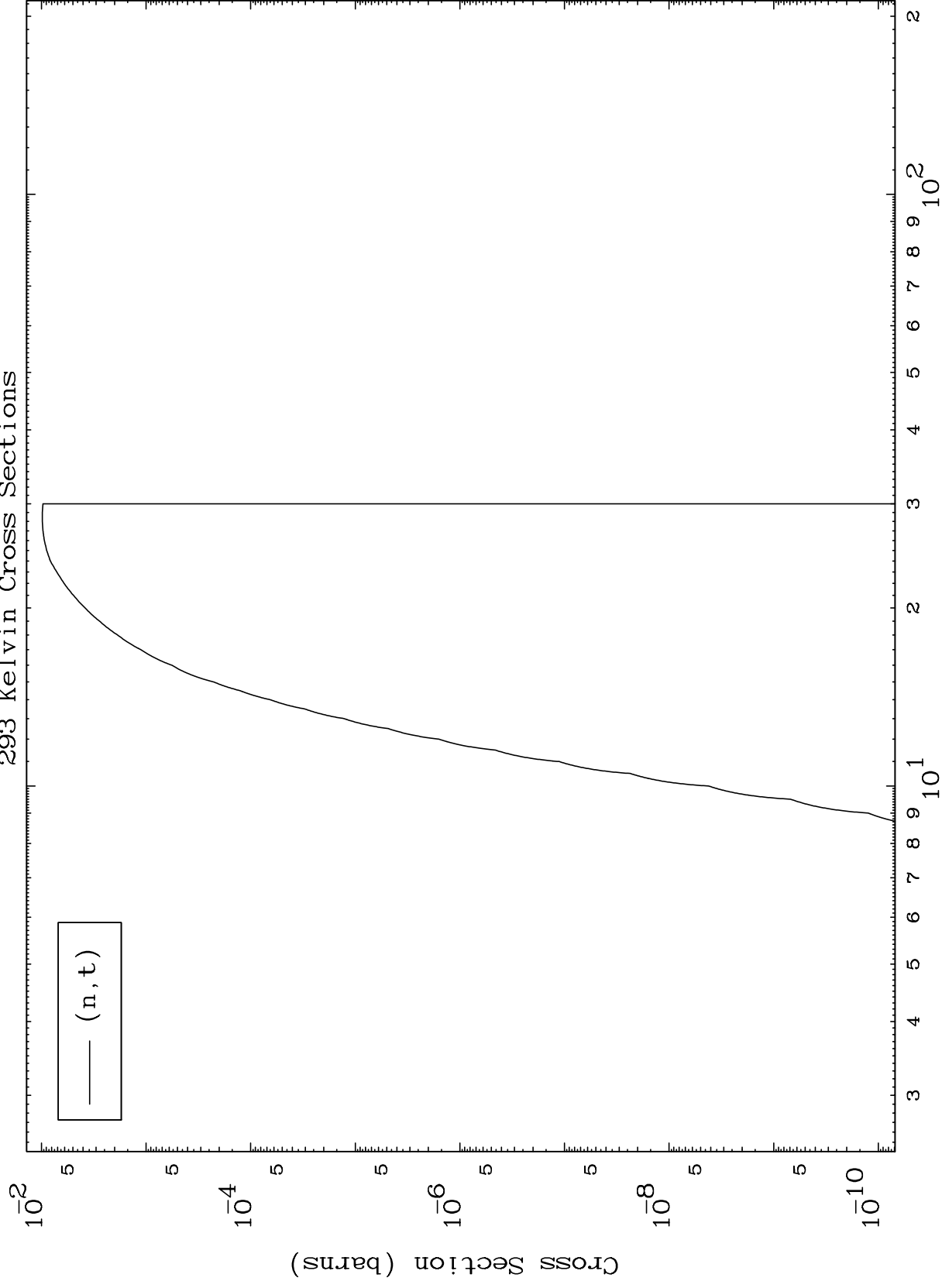
Incident Energy (MeV)

85-At-205

MAT 8531

(n,t) Levels  
293 Kelvin Cross Sections

85-At-205



14

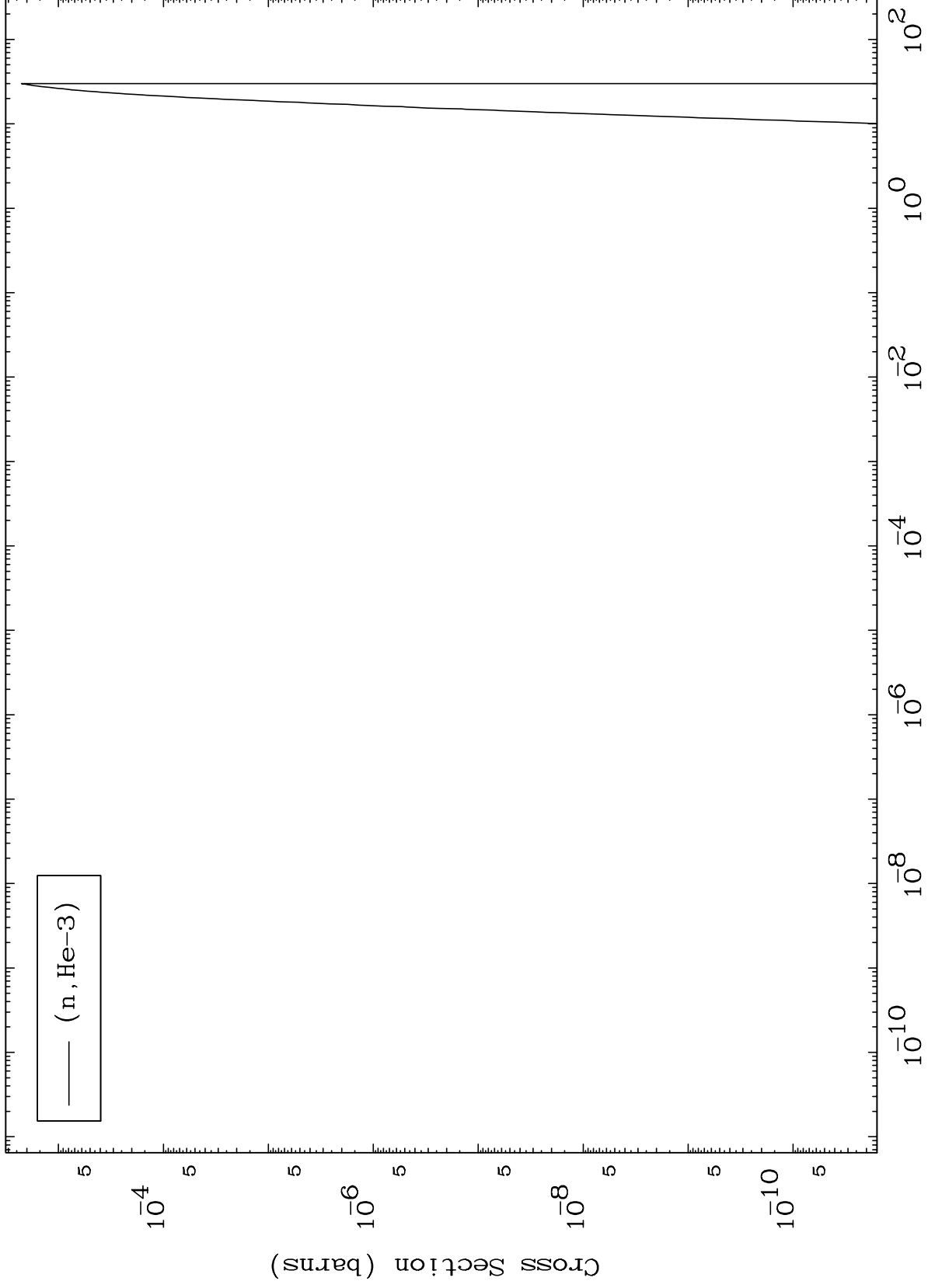
Incident Energy (MeV)

85-At-205

MAT 8531

(n,He3) Levels  
293 Kelvin Cross Sections

85-At-205



15

Incident Energy (MeV)

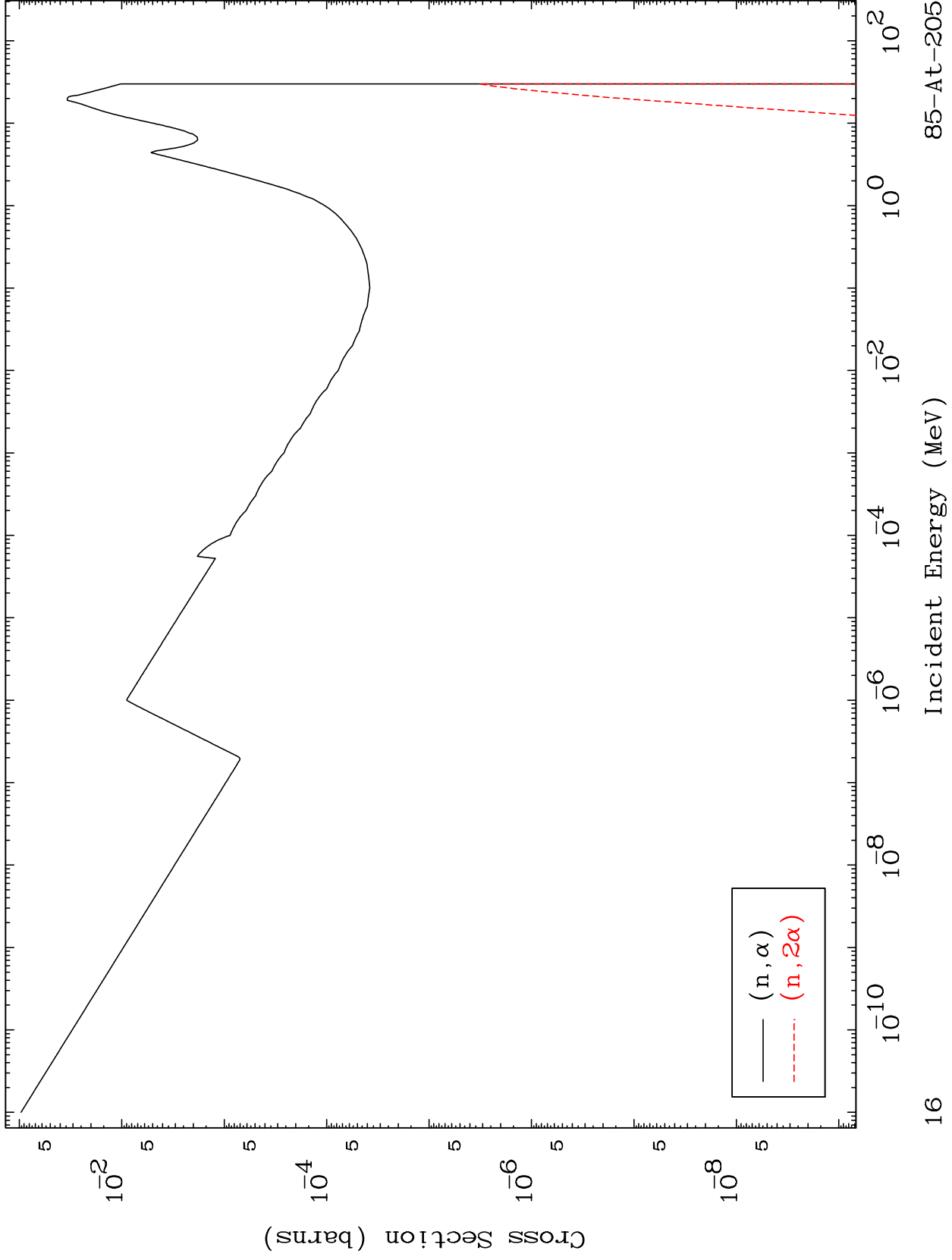
85-At-205



MAT 8531

(n,α) Levels  
293 Kelvin Cross Sections

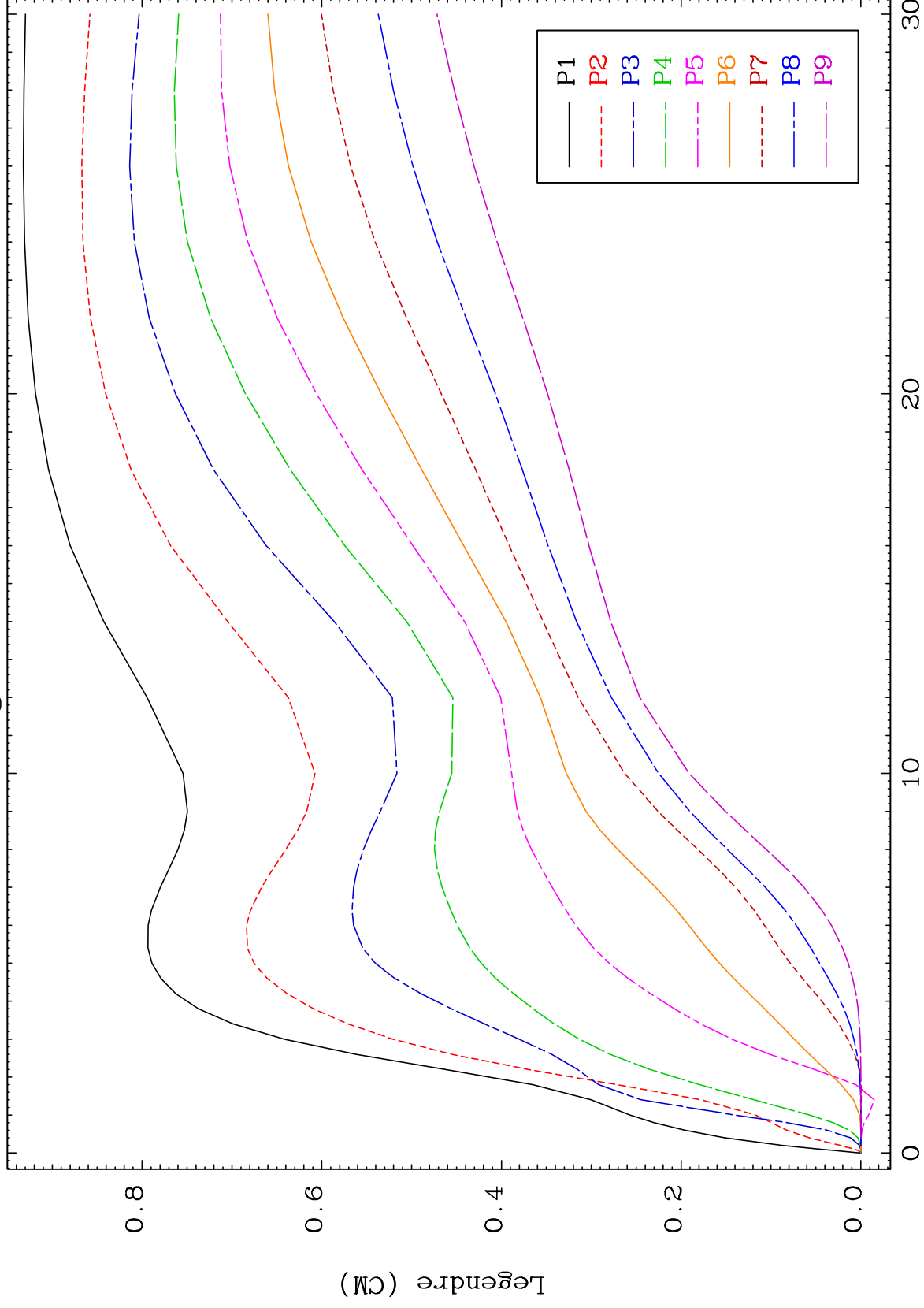
85-At-205



MAT 8531

Elastic Legendre Coefficients

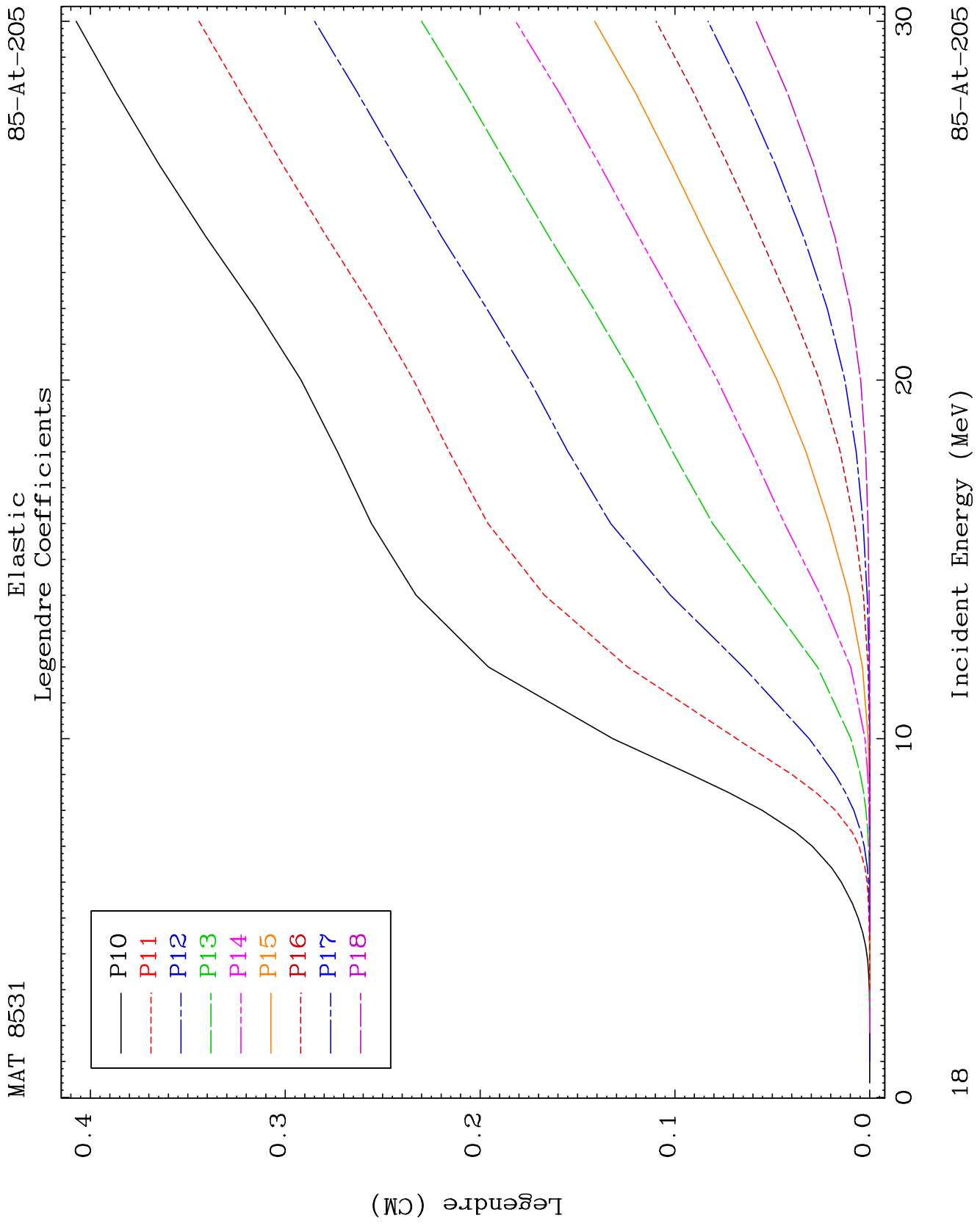
85-At-205



17

Incident Energy (MeV)

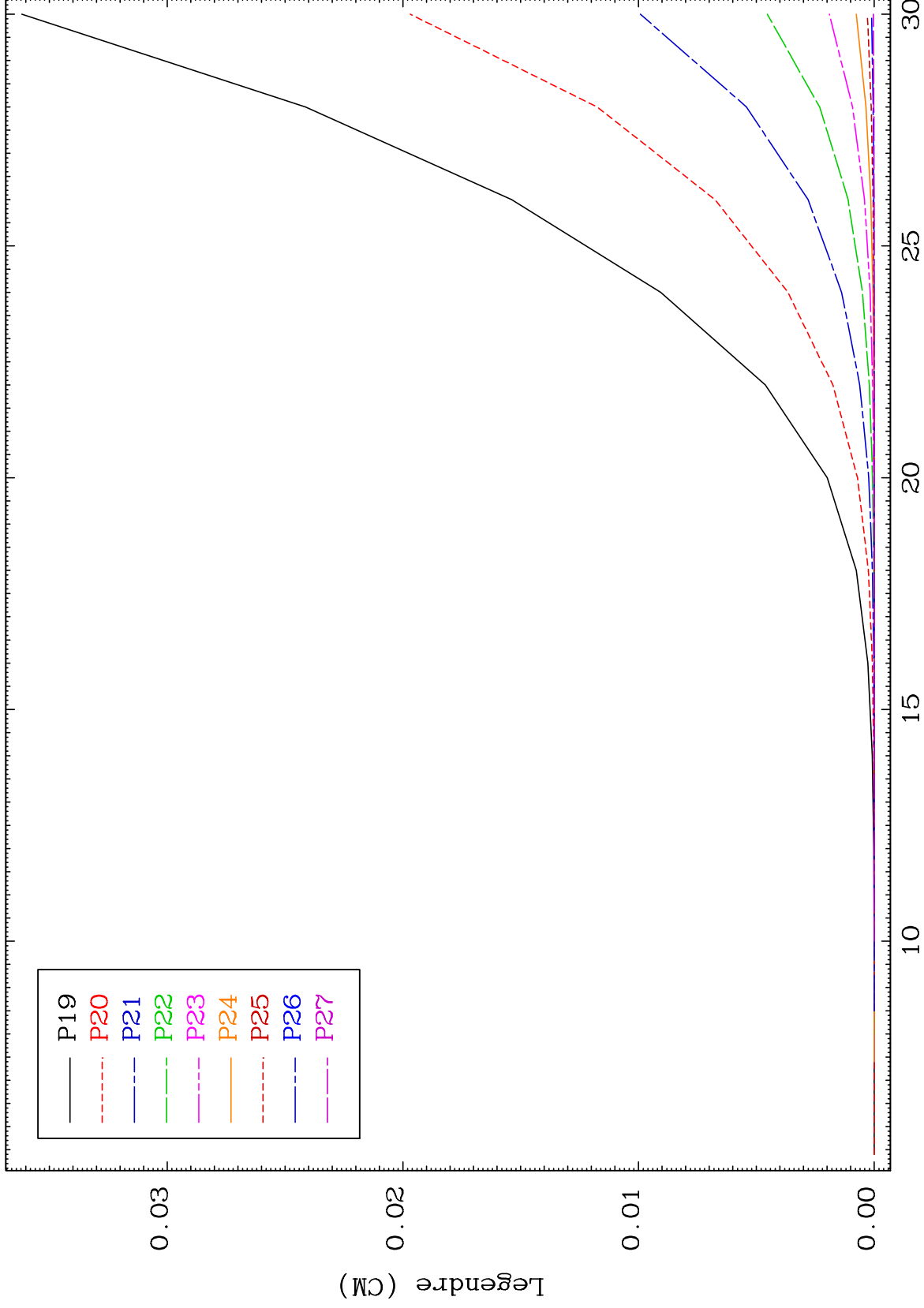
85-At-205



MAT 8531

Elastic  
Legendre Coefficients

85-At-205



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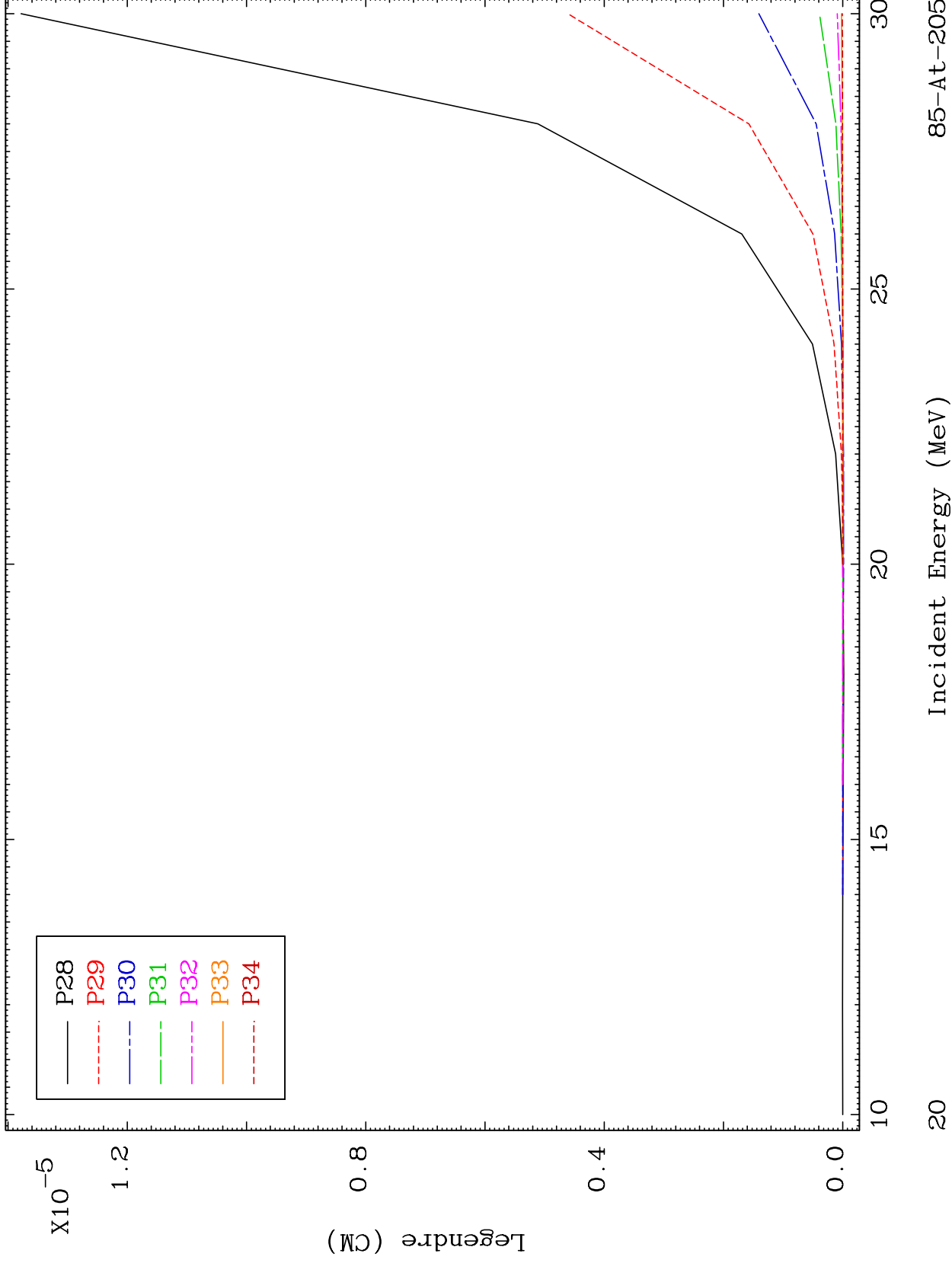
Incident Energy (MeV)

85-At-205

MAT 8531

Elastic  
Legendre Coefficients

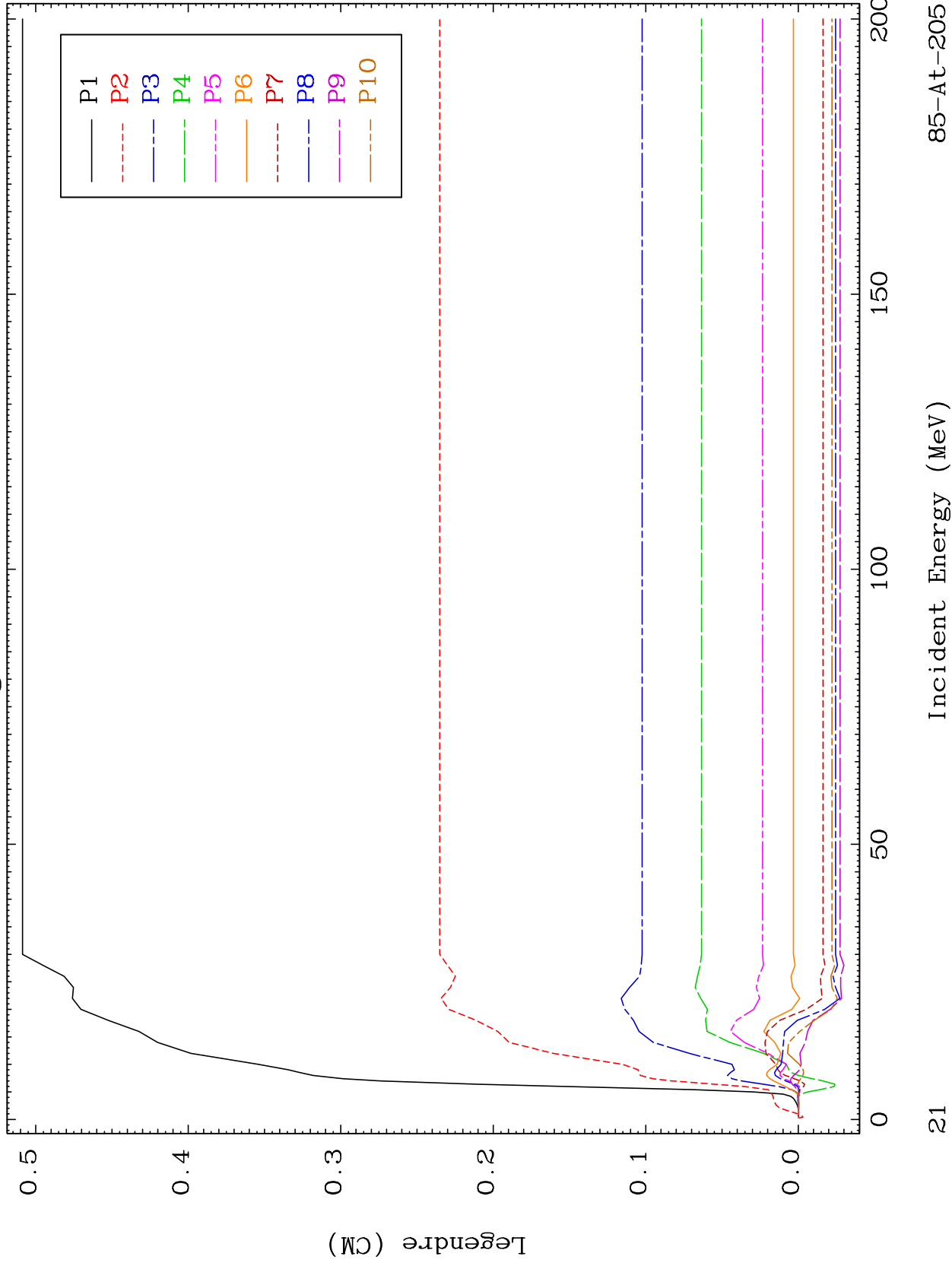
85-At-205



MAT 8531

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

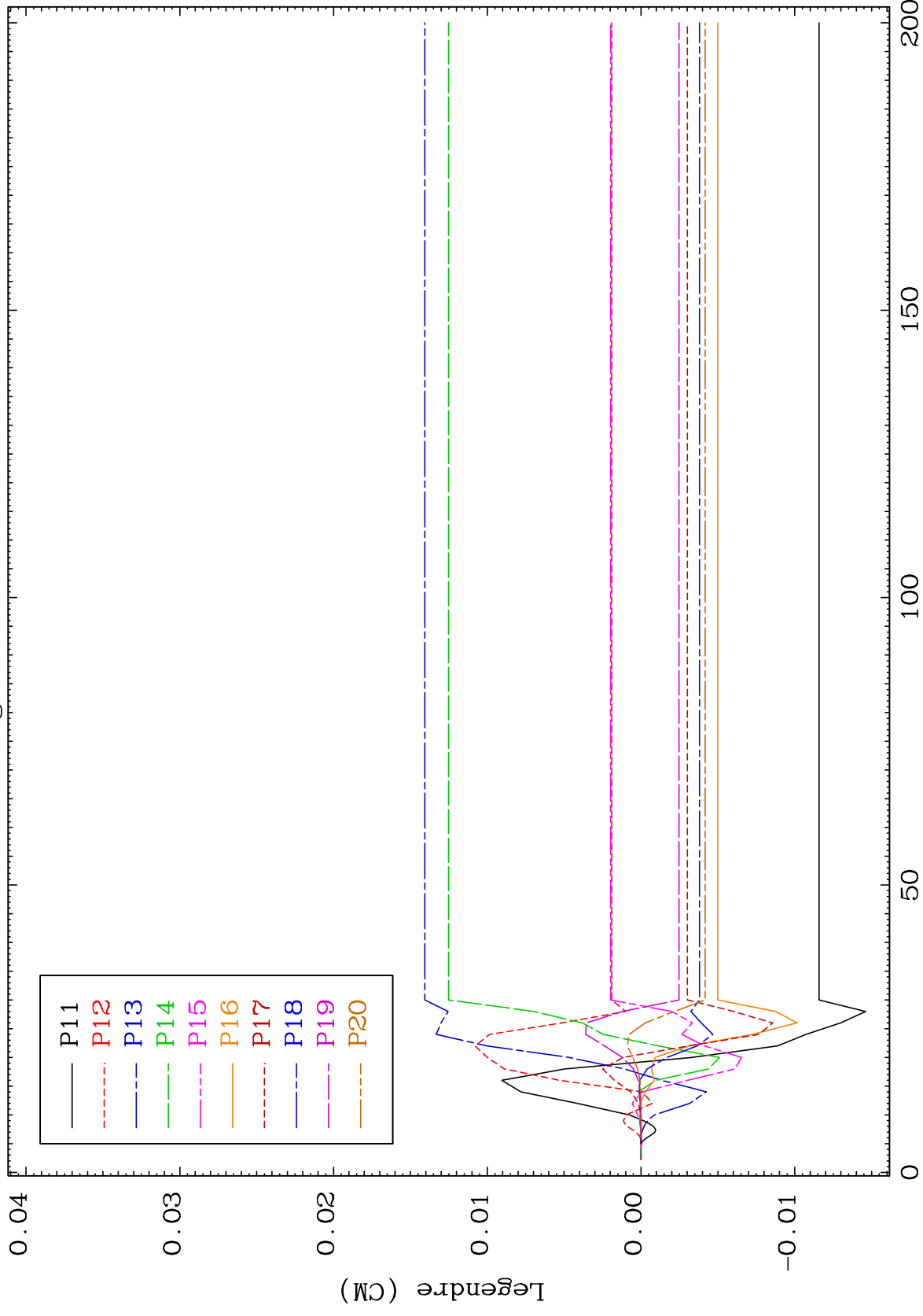
85-At-205



MAT 8531

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

85-At-205



22

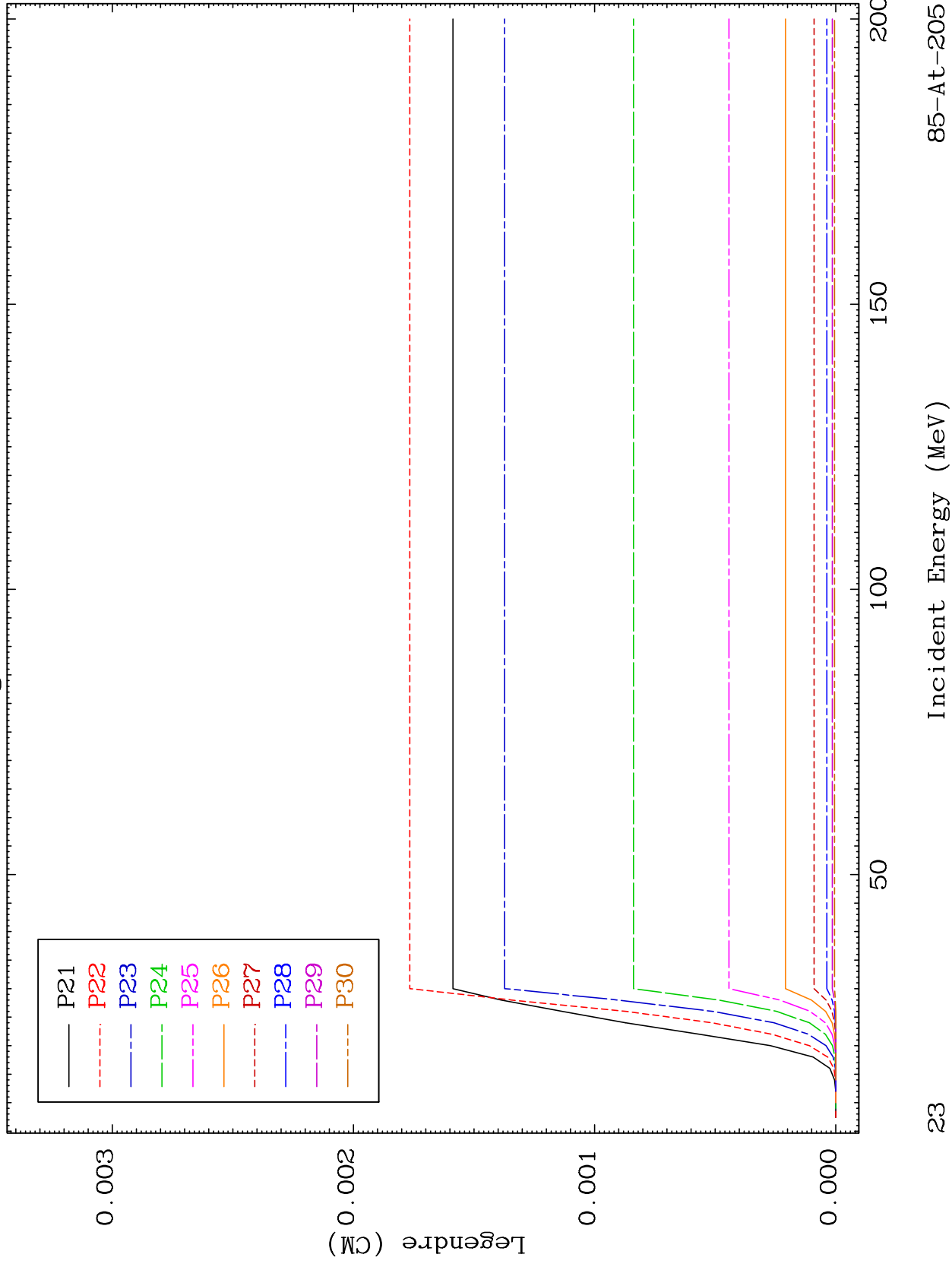
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205

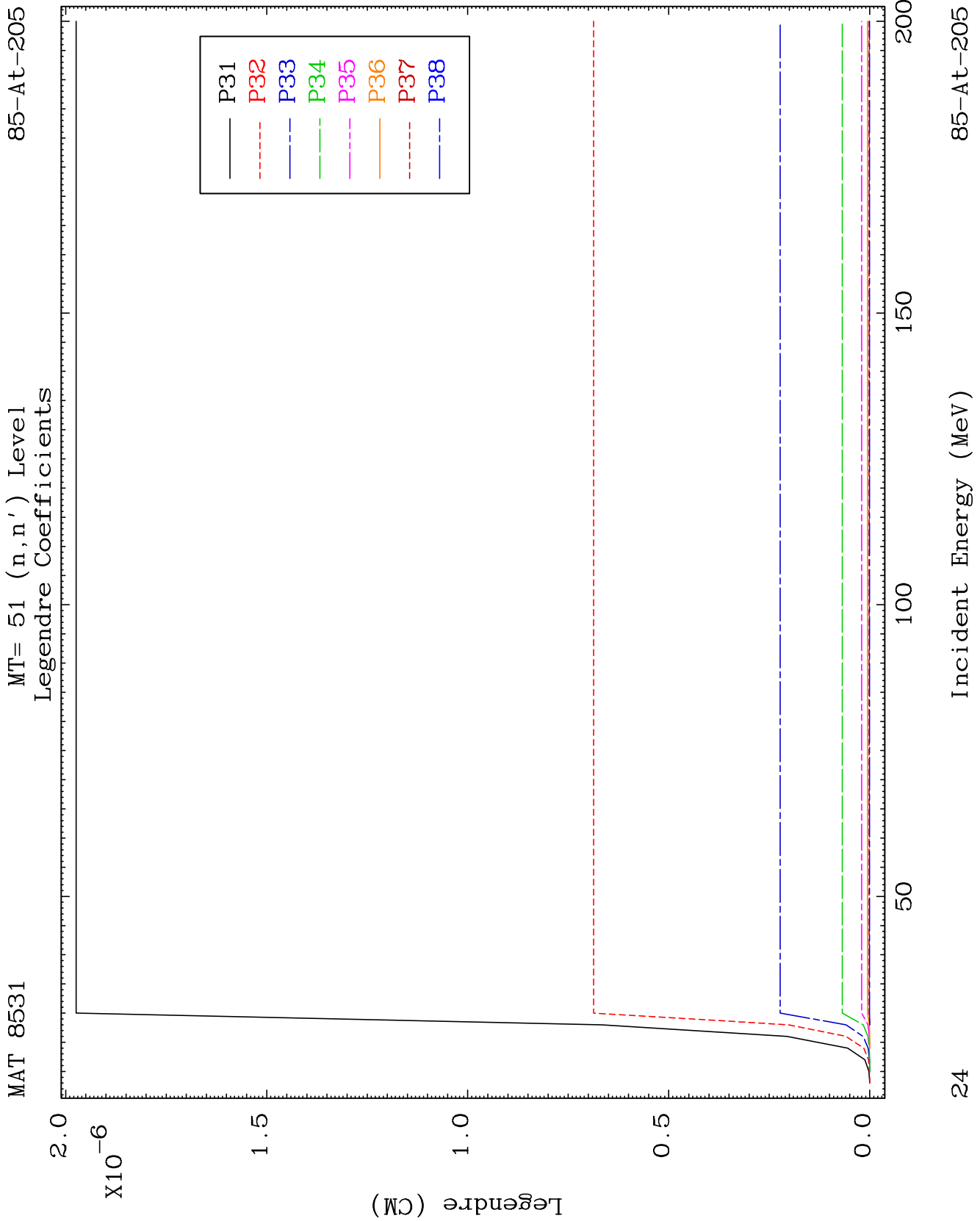


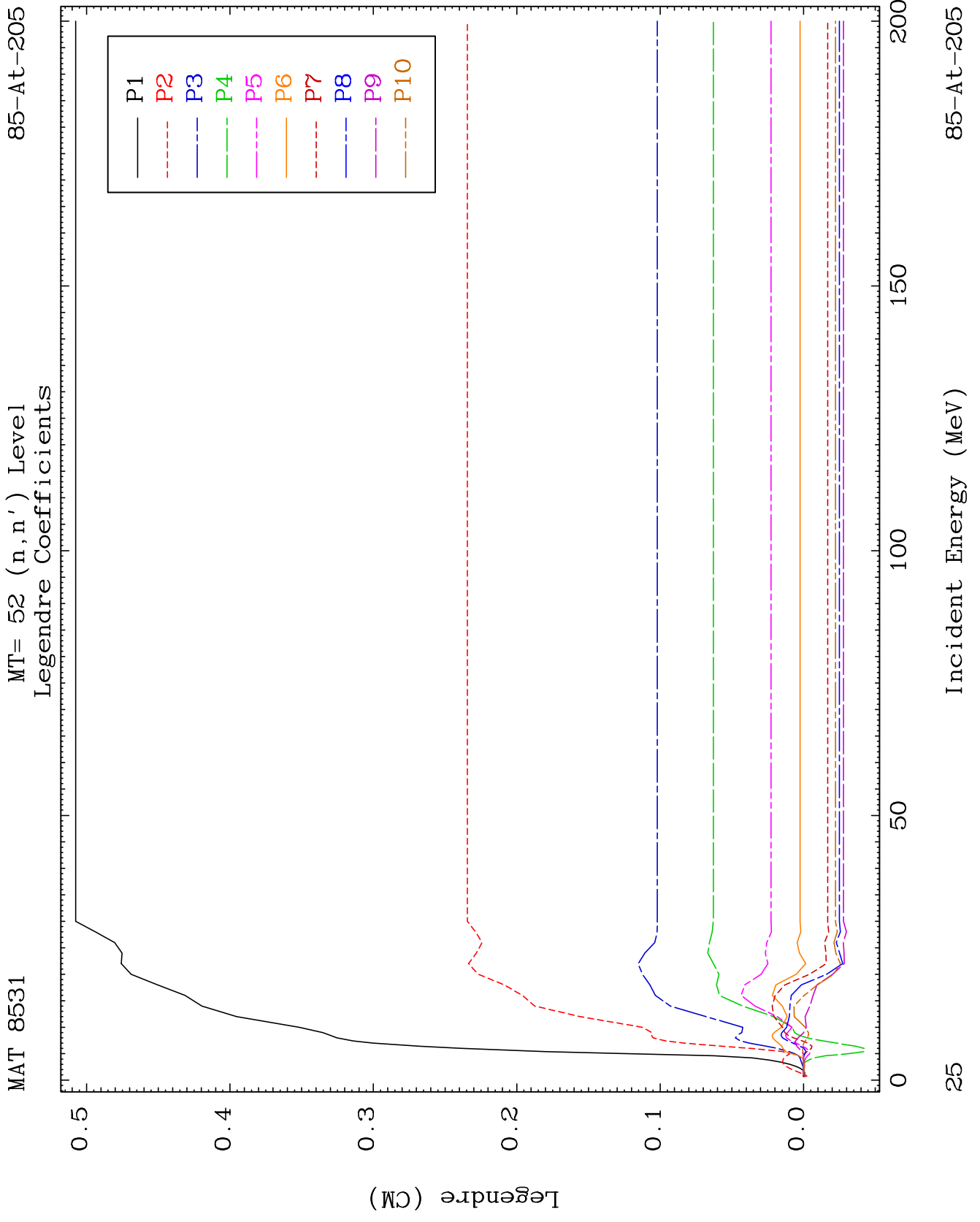
23

Incident Energy (MeV)

85-At-205



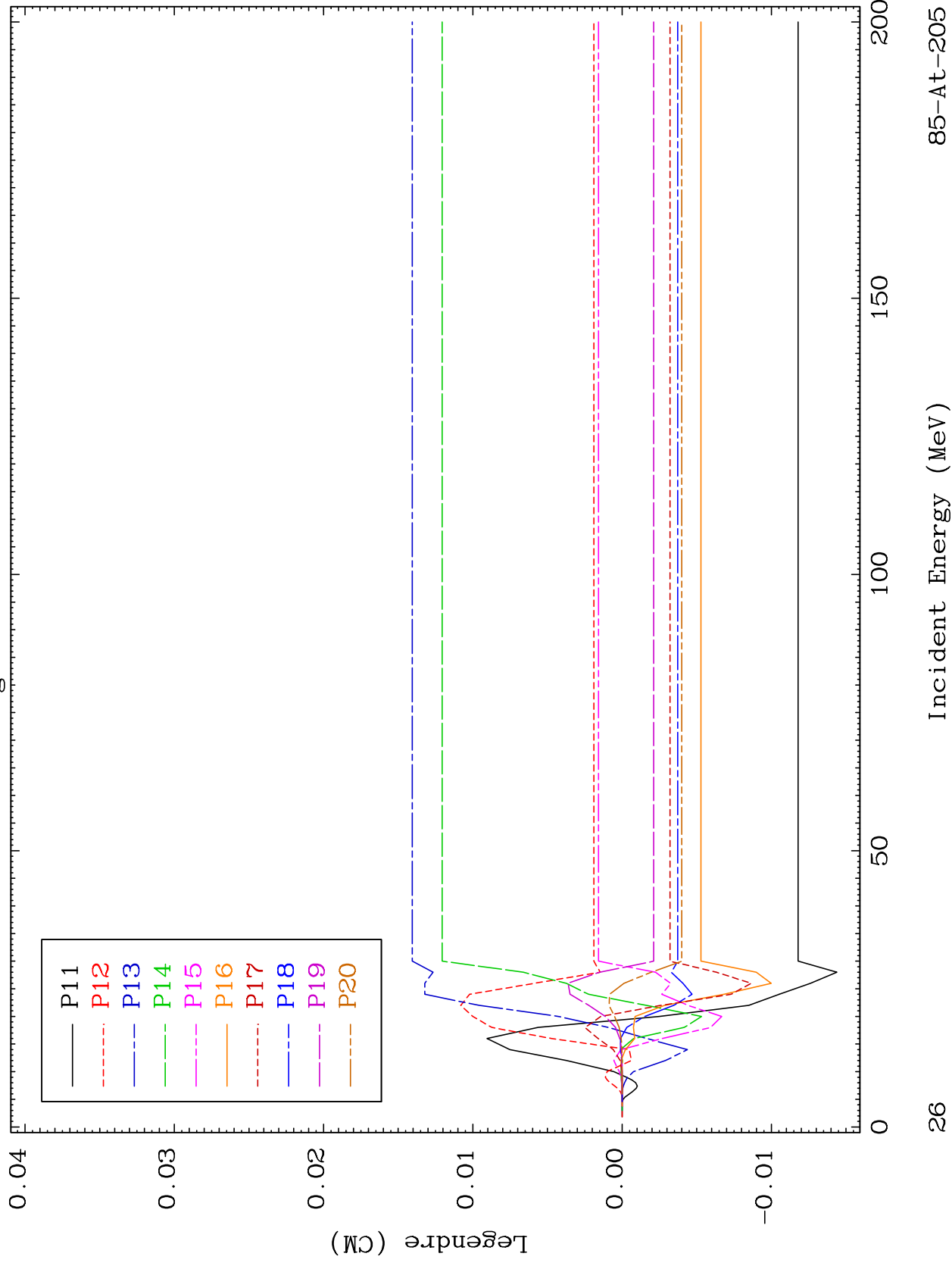




MAT 8531

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

85-At-205



26

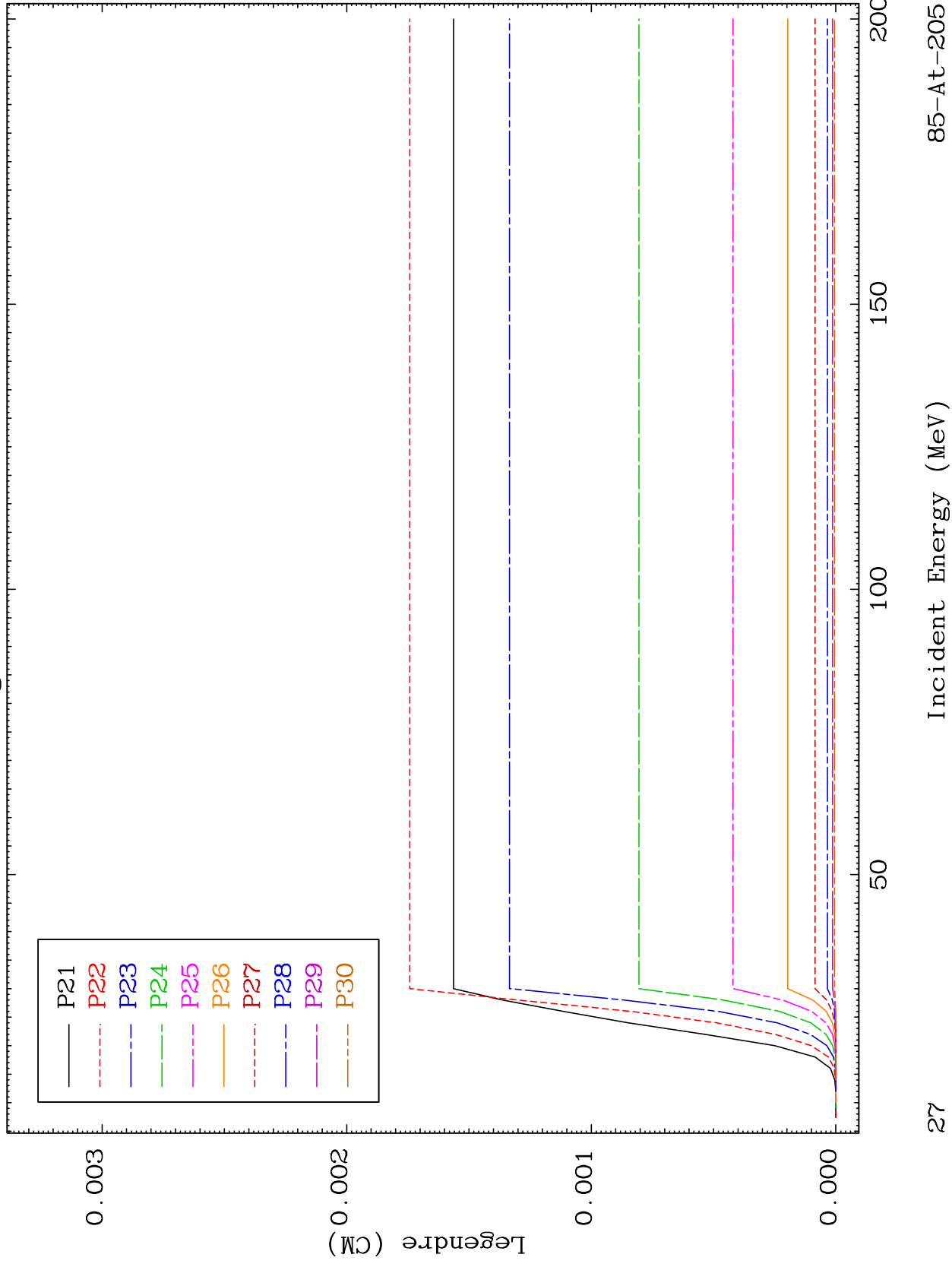
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



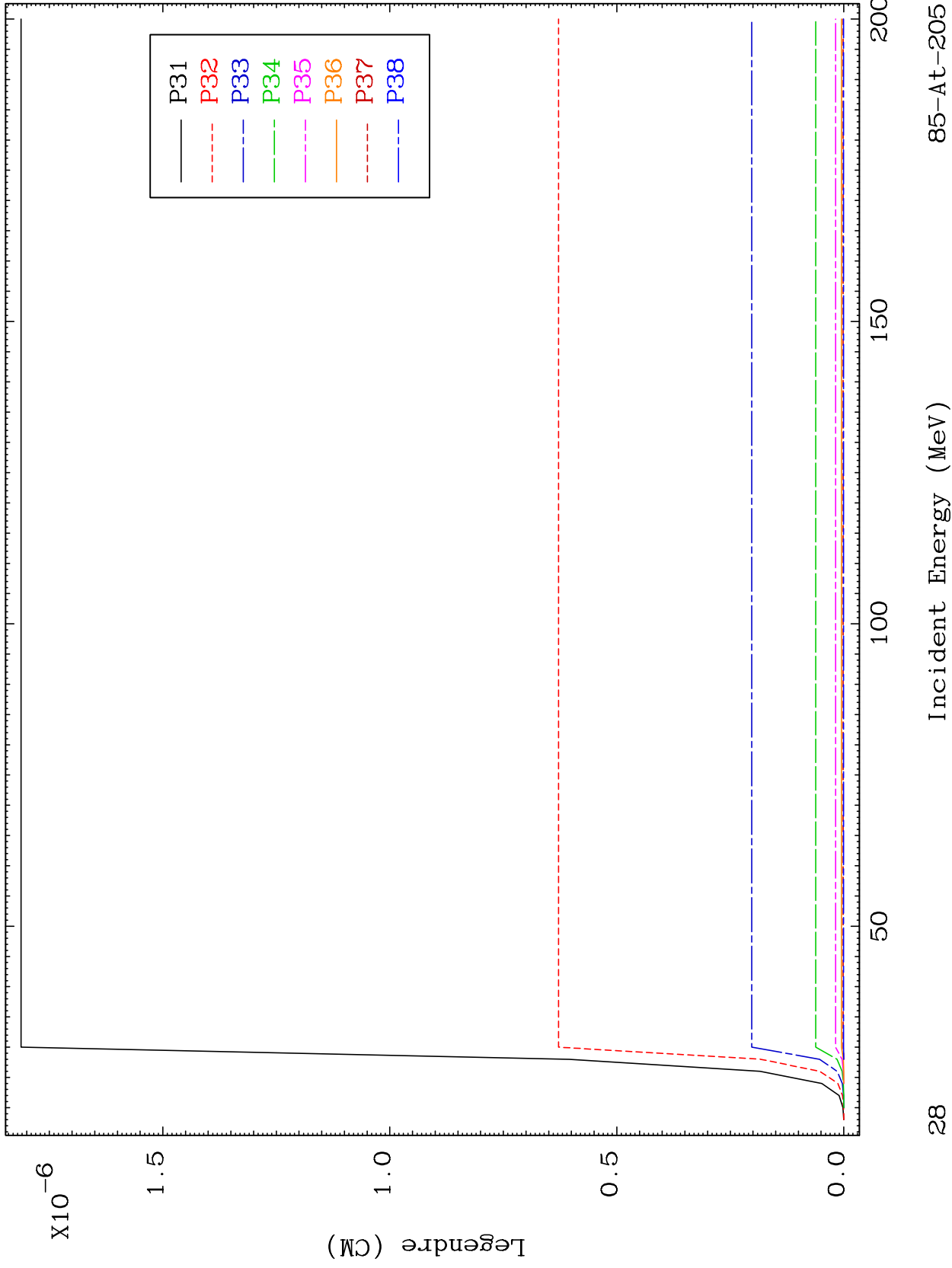
27

85-At-205

MAT 8531

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

85-At-205



28

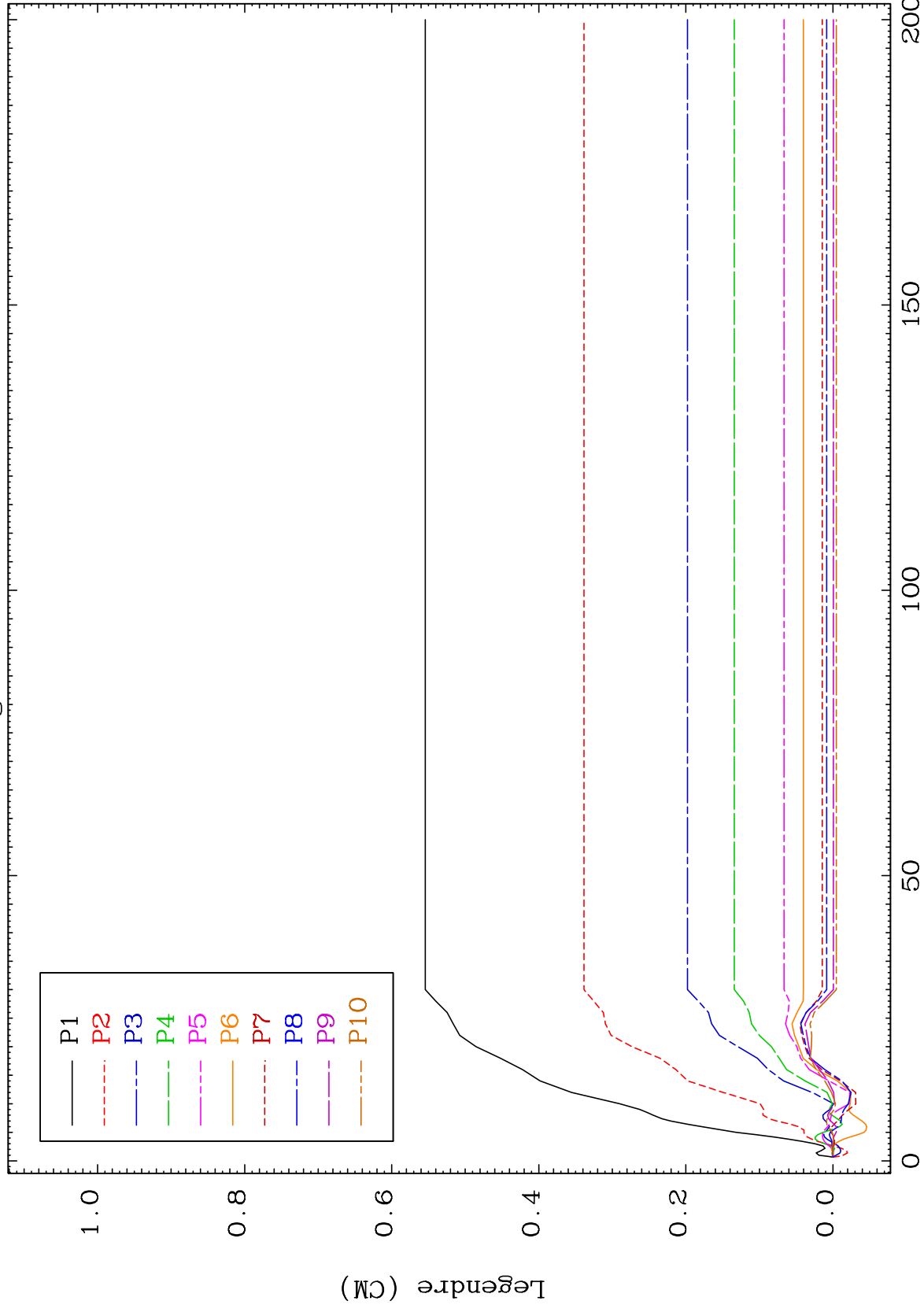
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



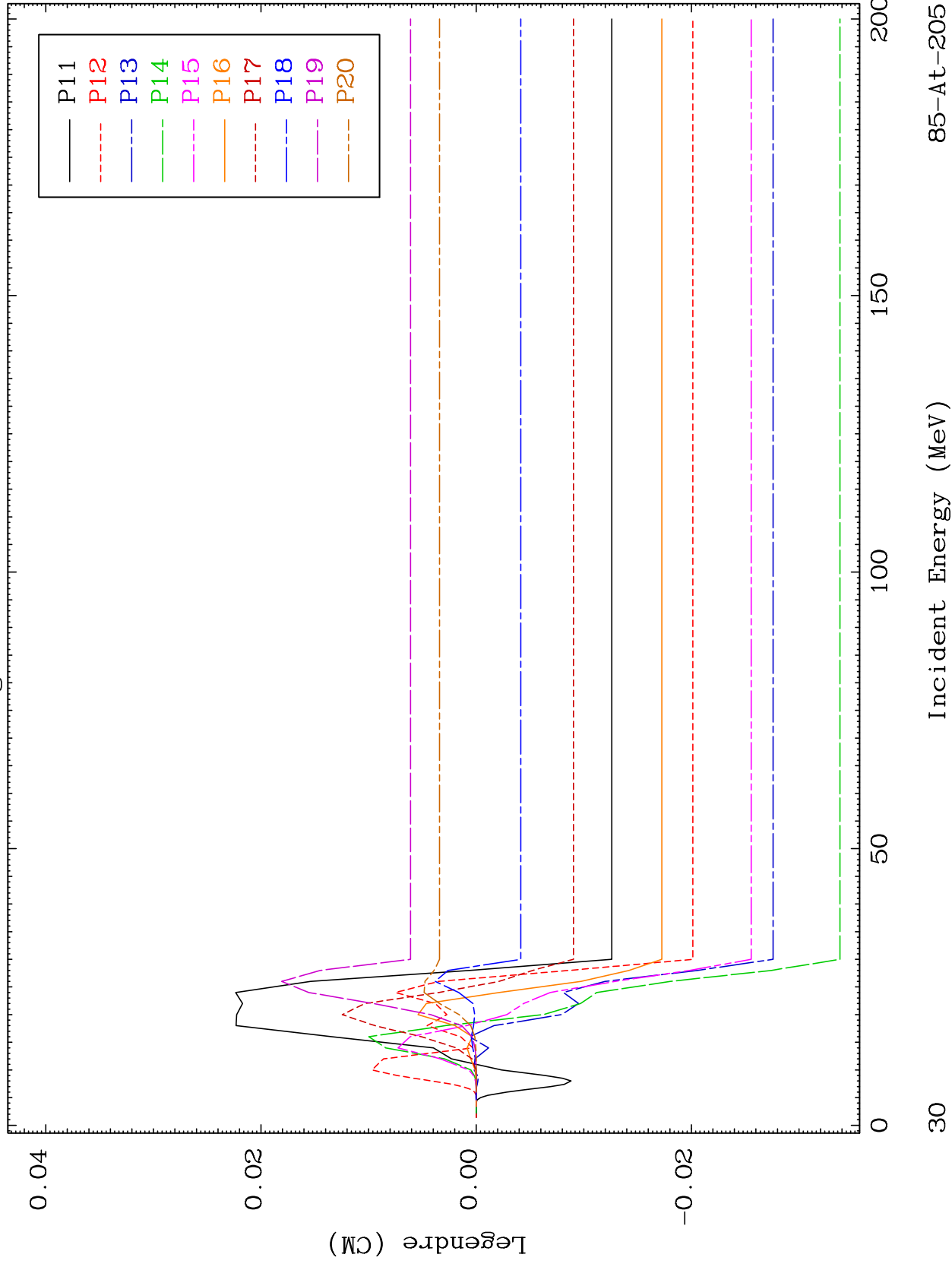
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85-At-205

MAT 8531

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

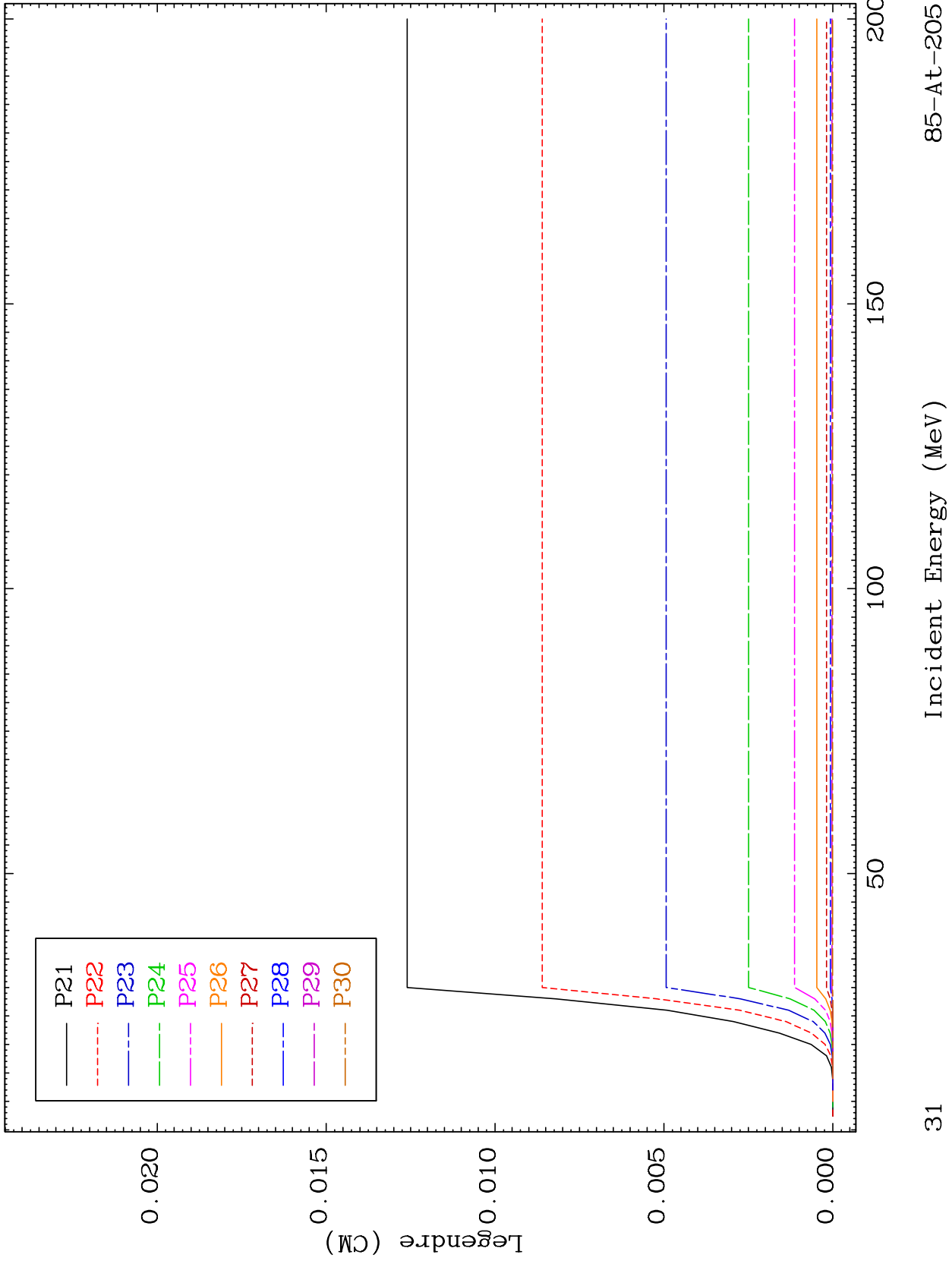
85-At-205



85-At-205

Incident Energy (MeV)

30

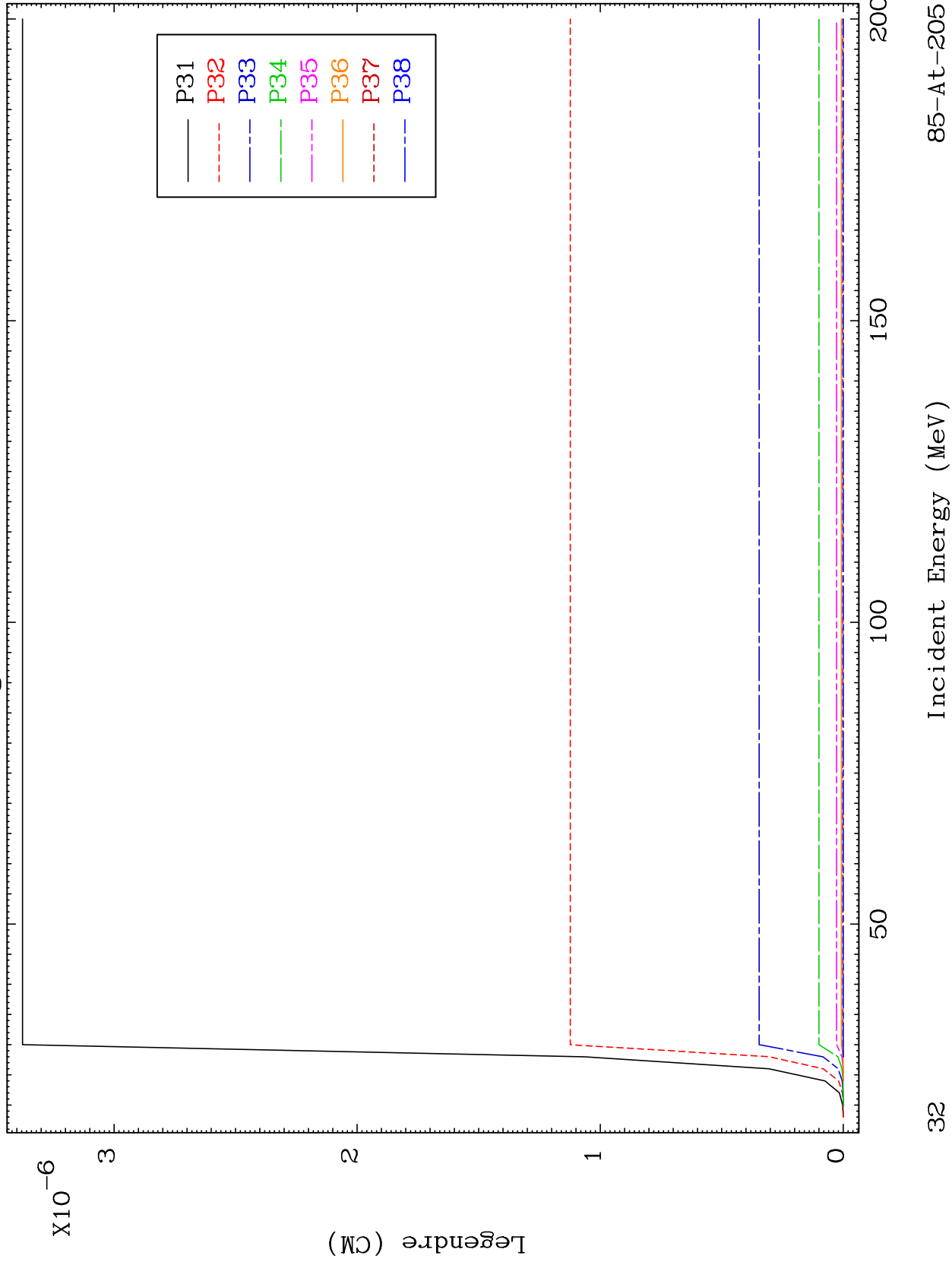




MAT 8531

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

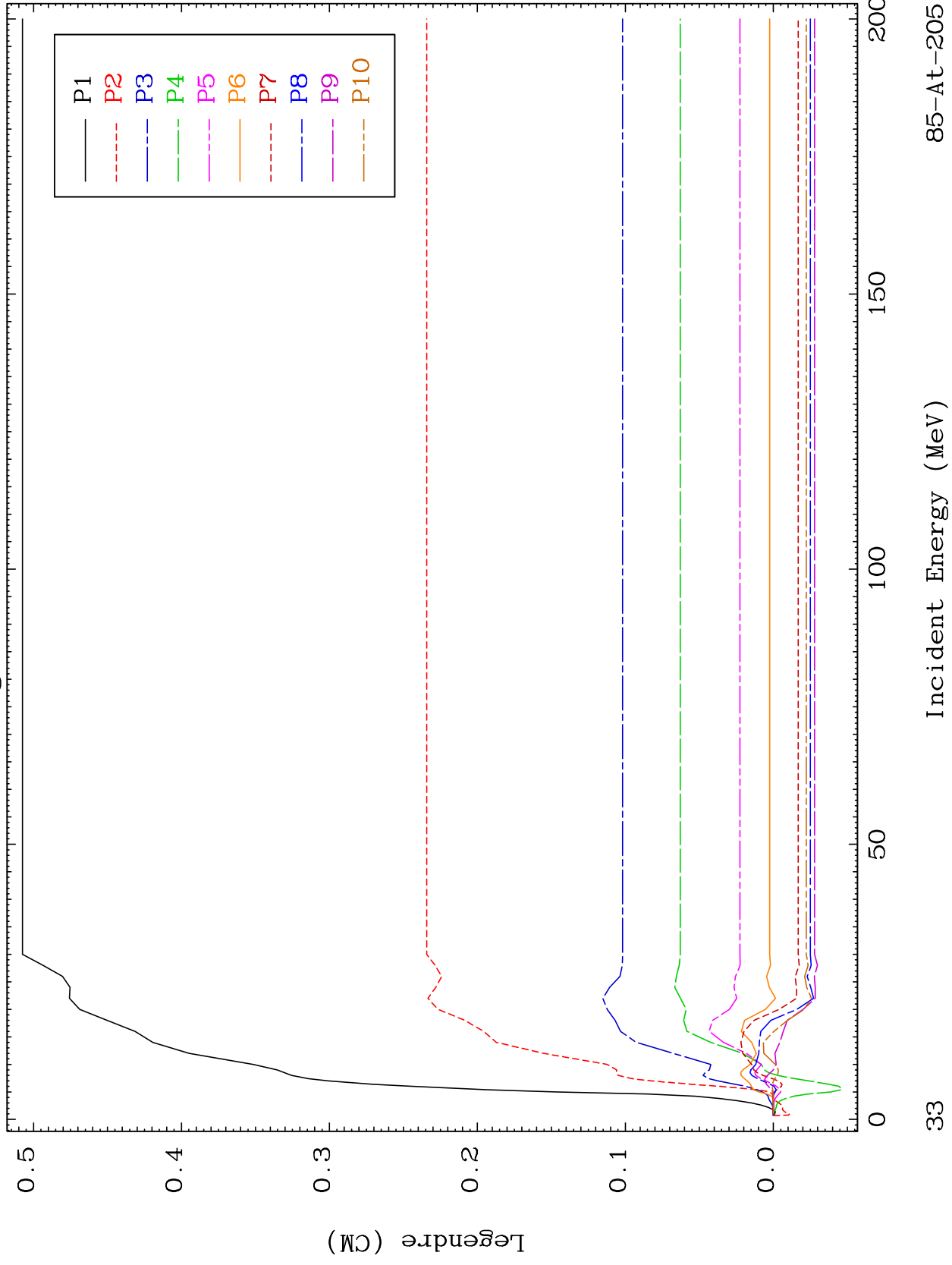
85-At-205



MAT 8531

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

85-At-205



33

Incident Energy (MeV)

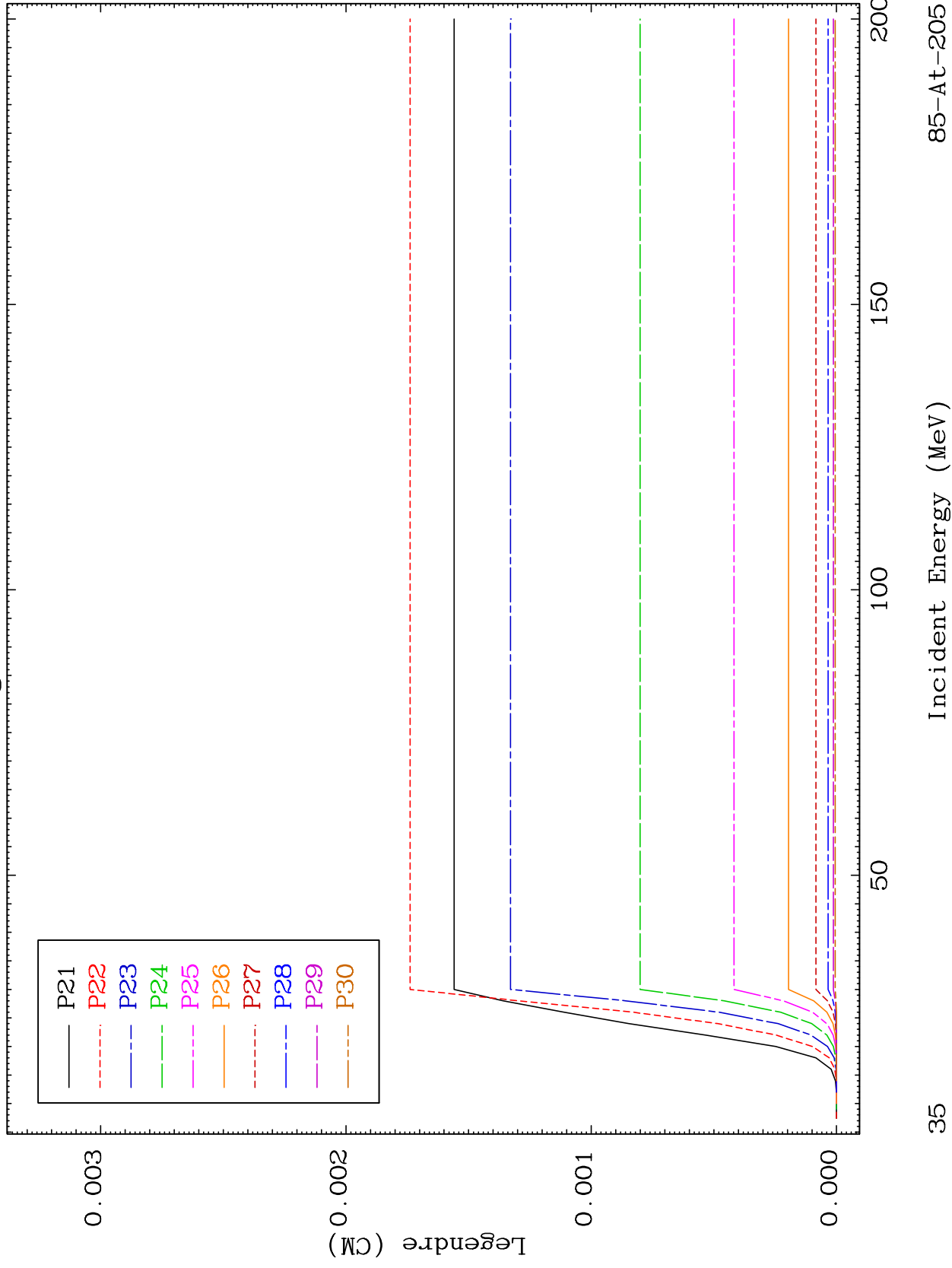
85-At-205



MAT 8531

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

85-At-205



35

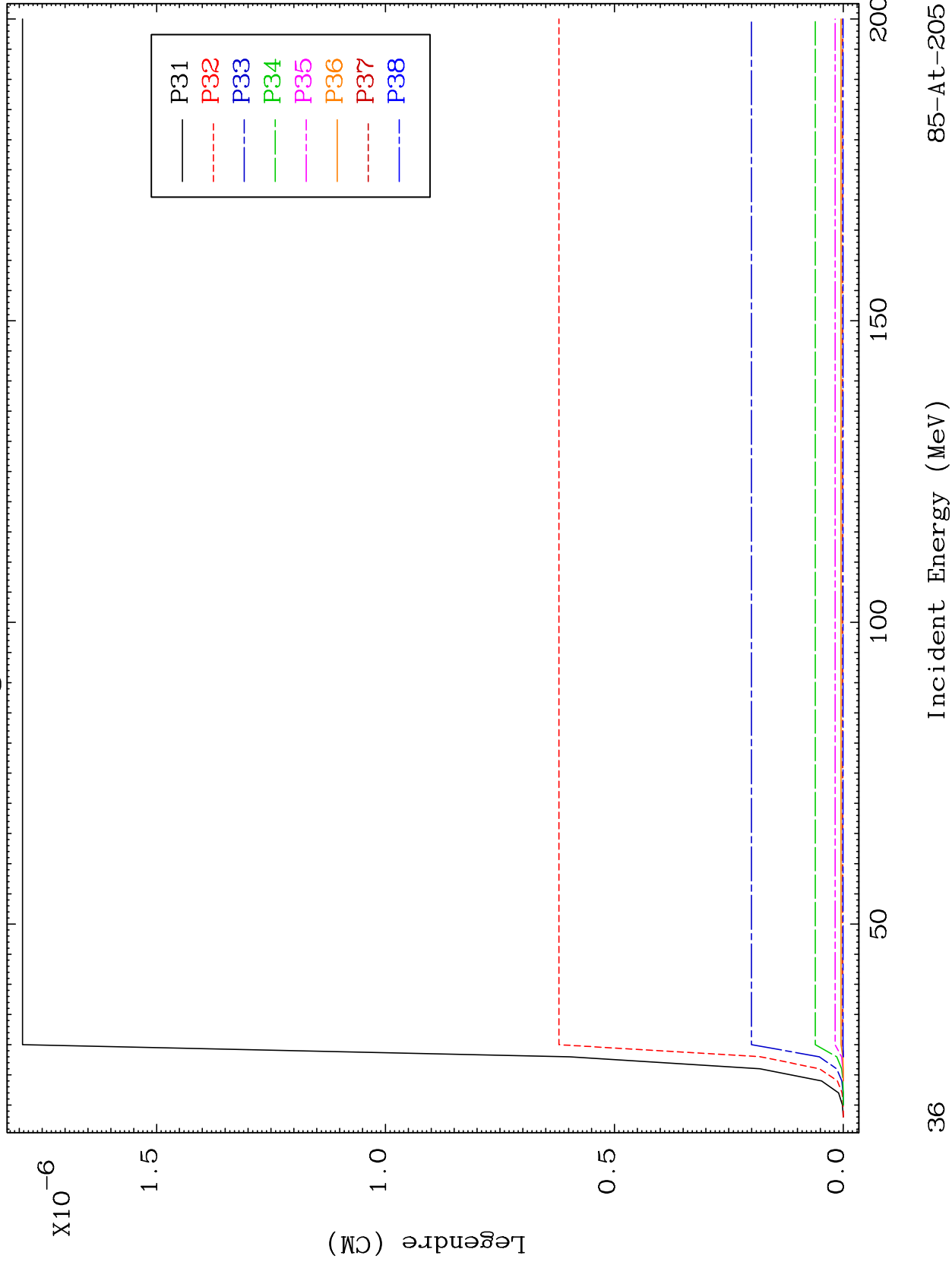
Incident Energy (MeV)

85-At-205

MAT 8531

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

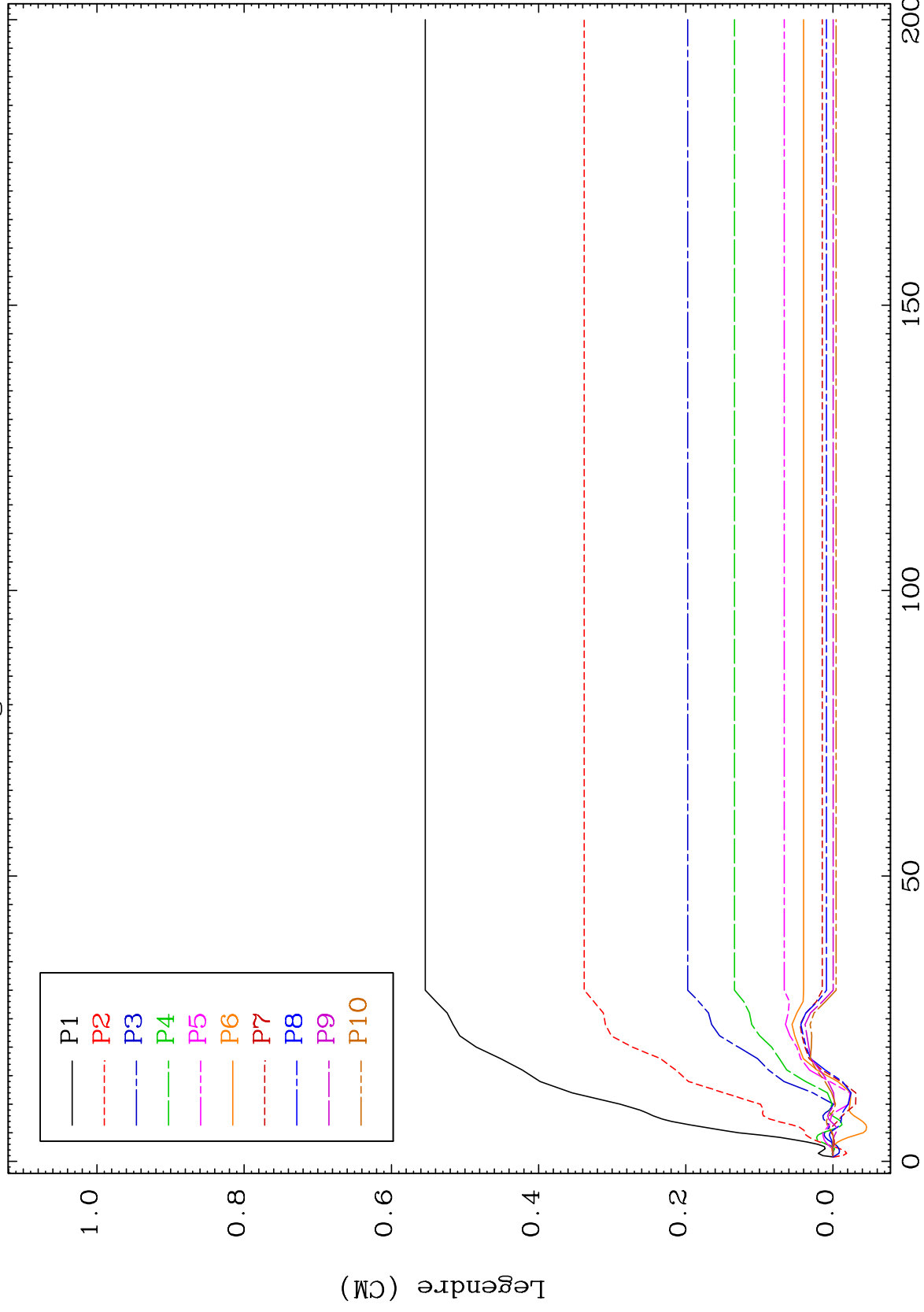
85-At-205



MAT 8531

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

85-At-205



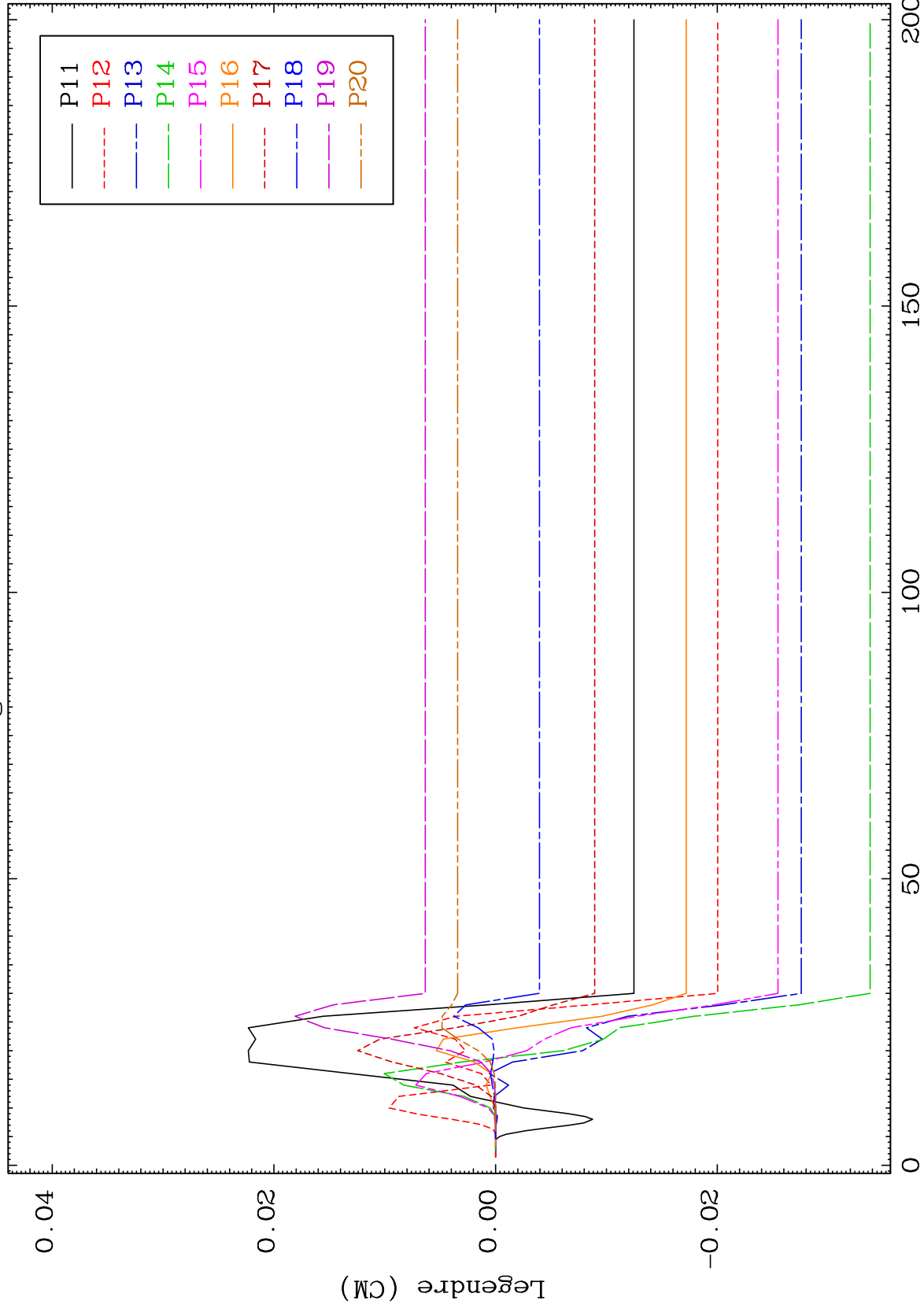
37

85-At-205

MAT 8531

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

85-At-205



38

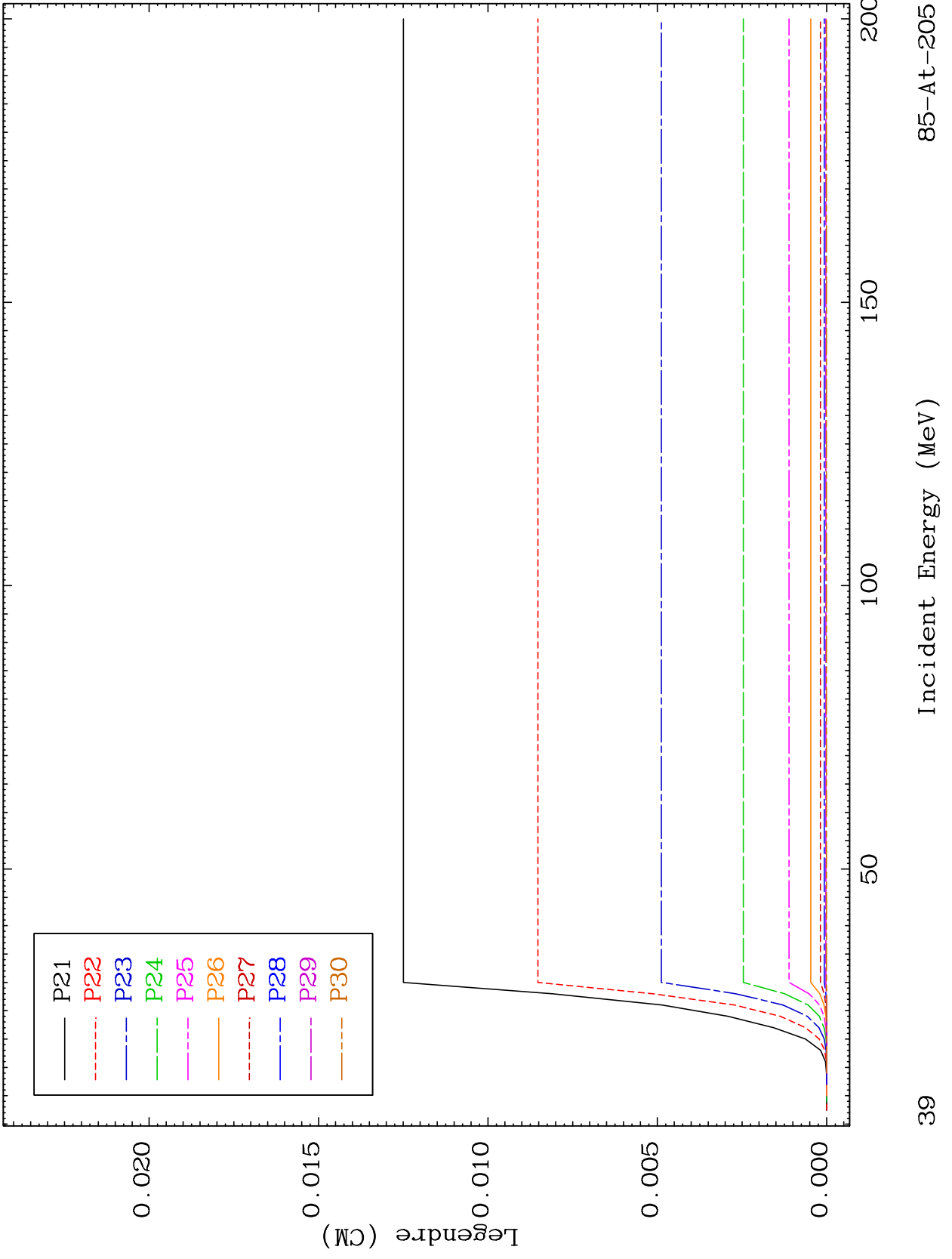
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



39

Incident Energy (MeV)

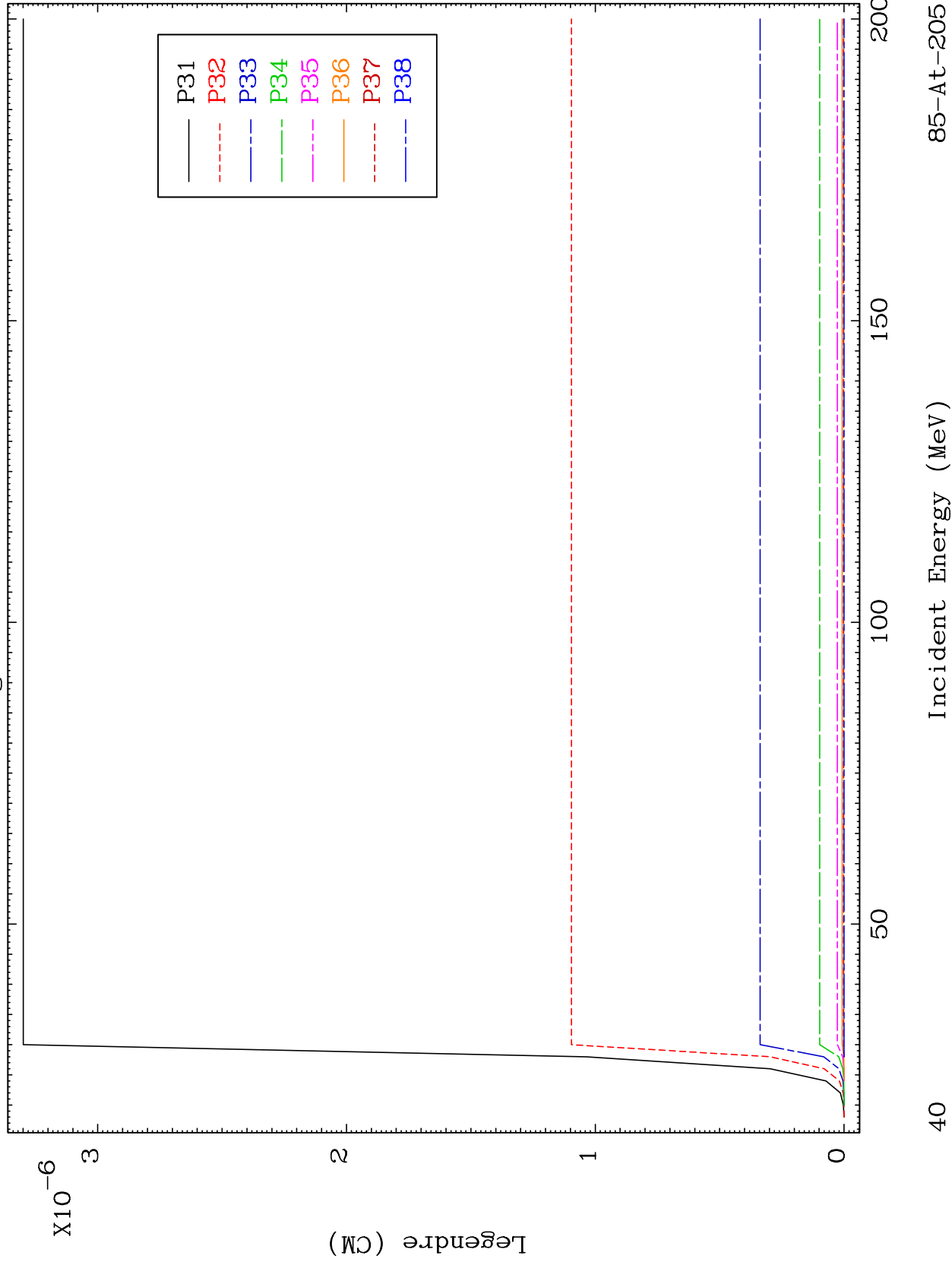
85-At-205



MAT 8531

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

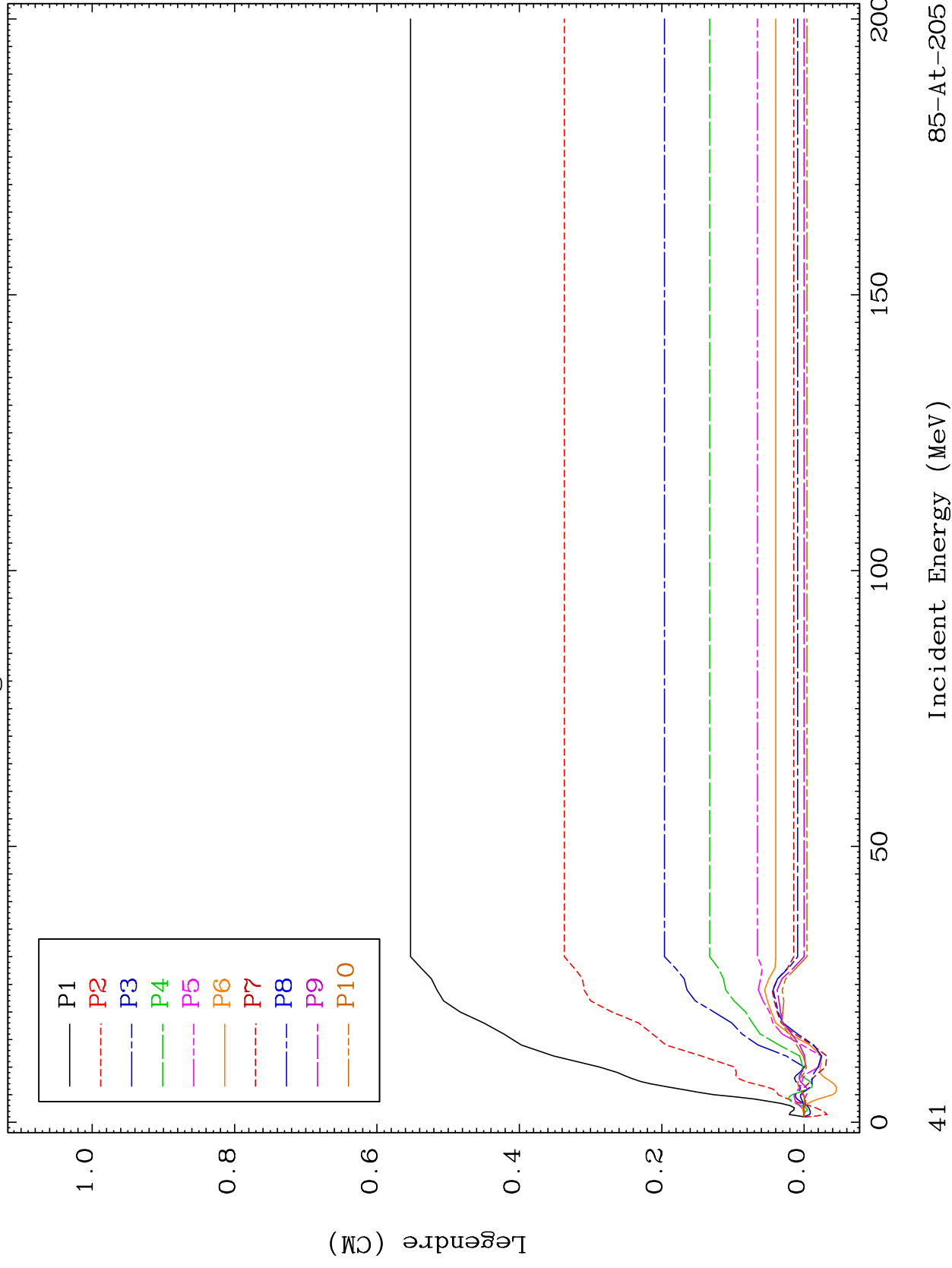
85-At-205



MAT 8531

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

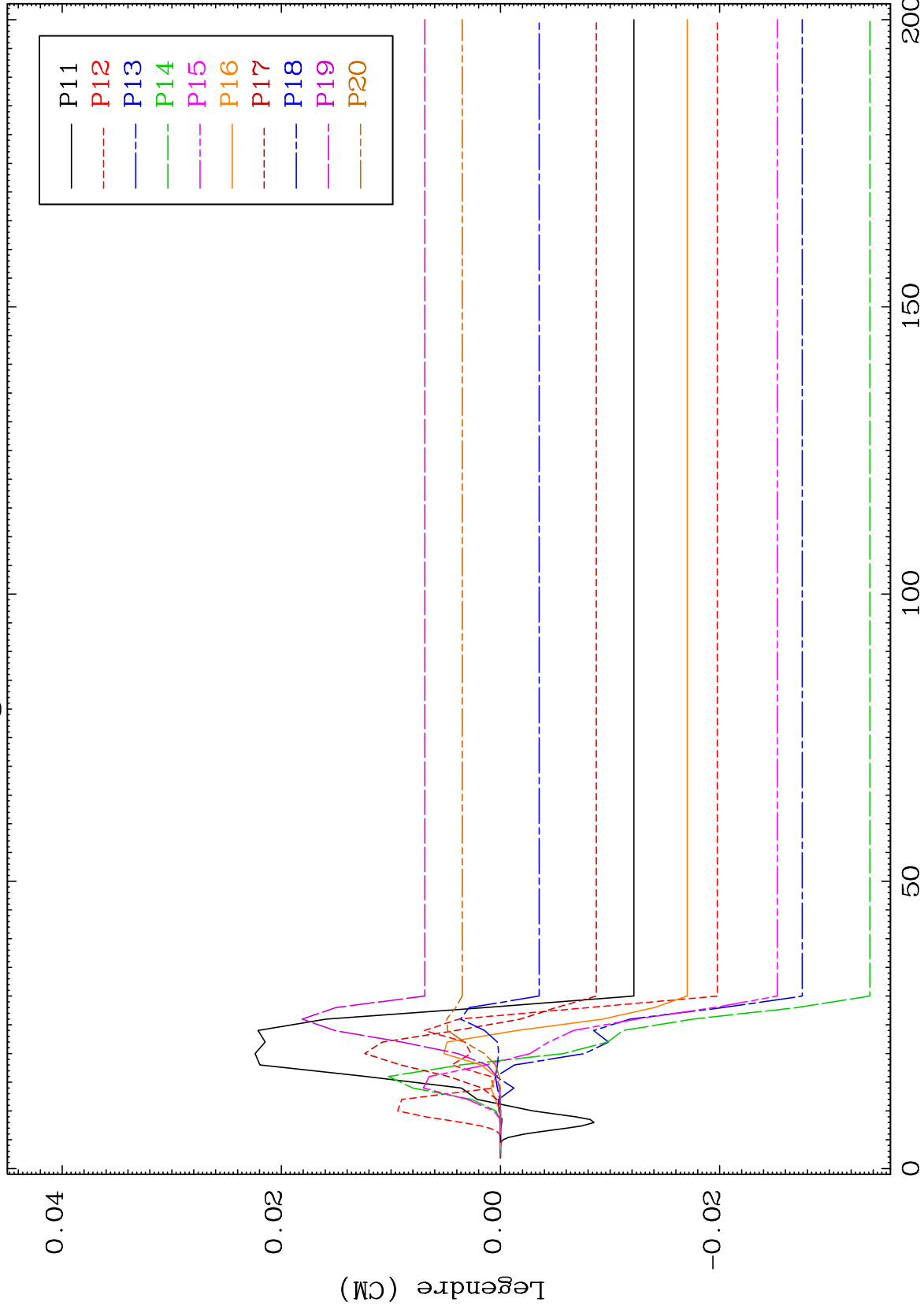
85-At-205



MAT 8531

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

85-At-205



42

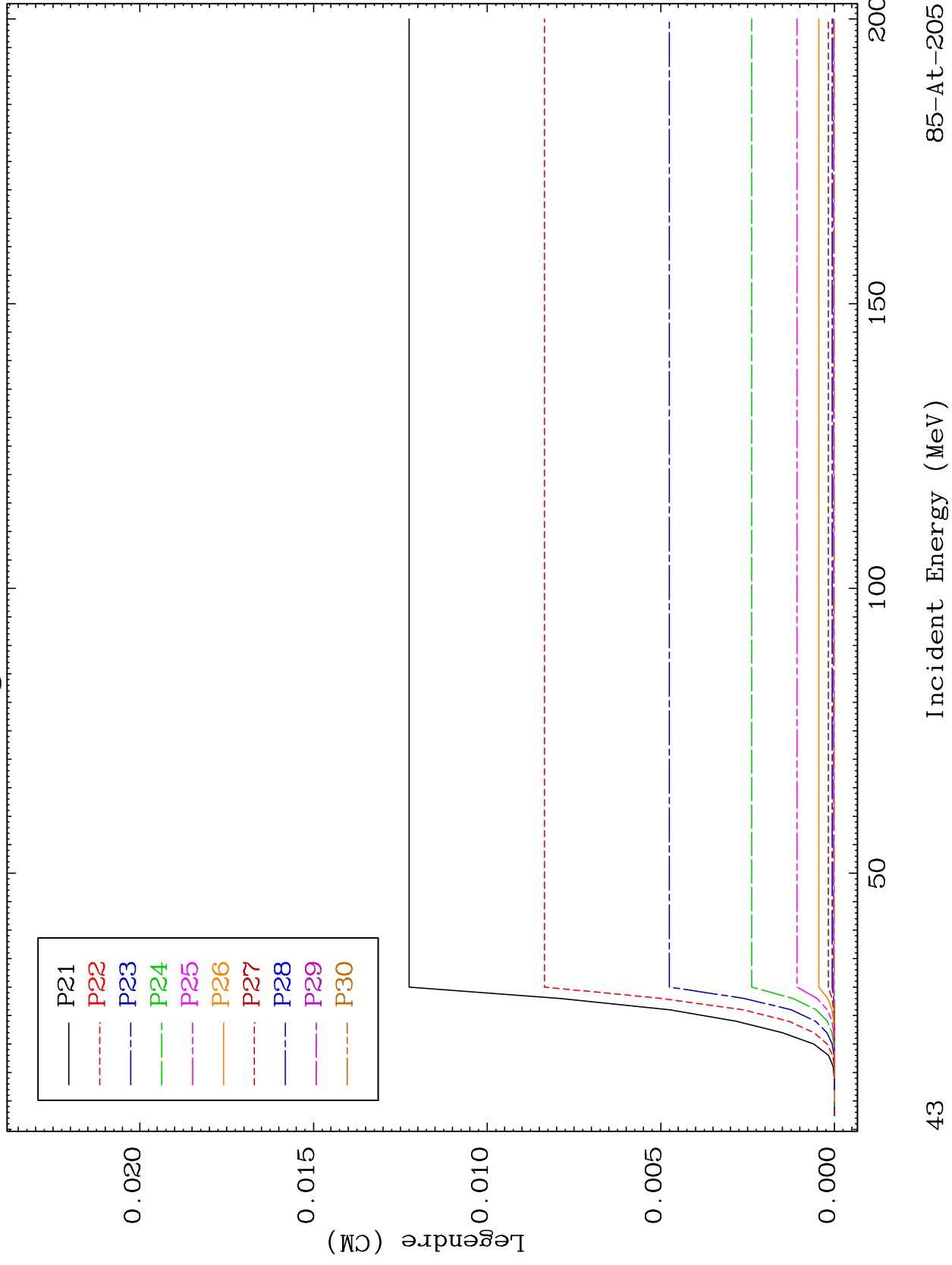
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



43

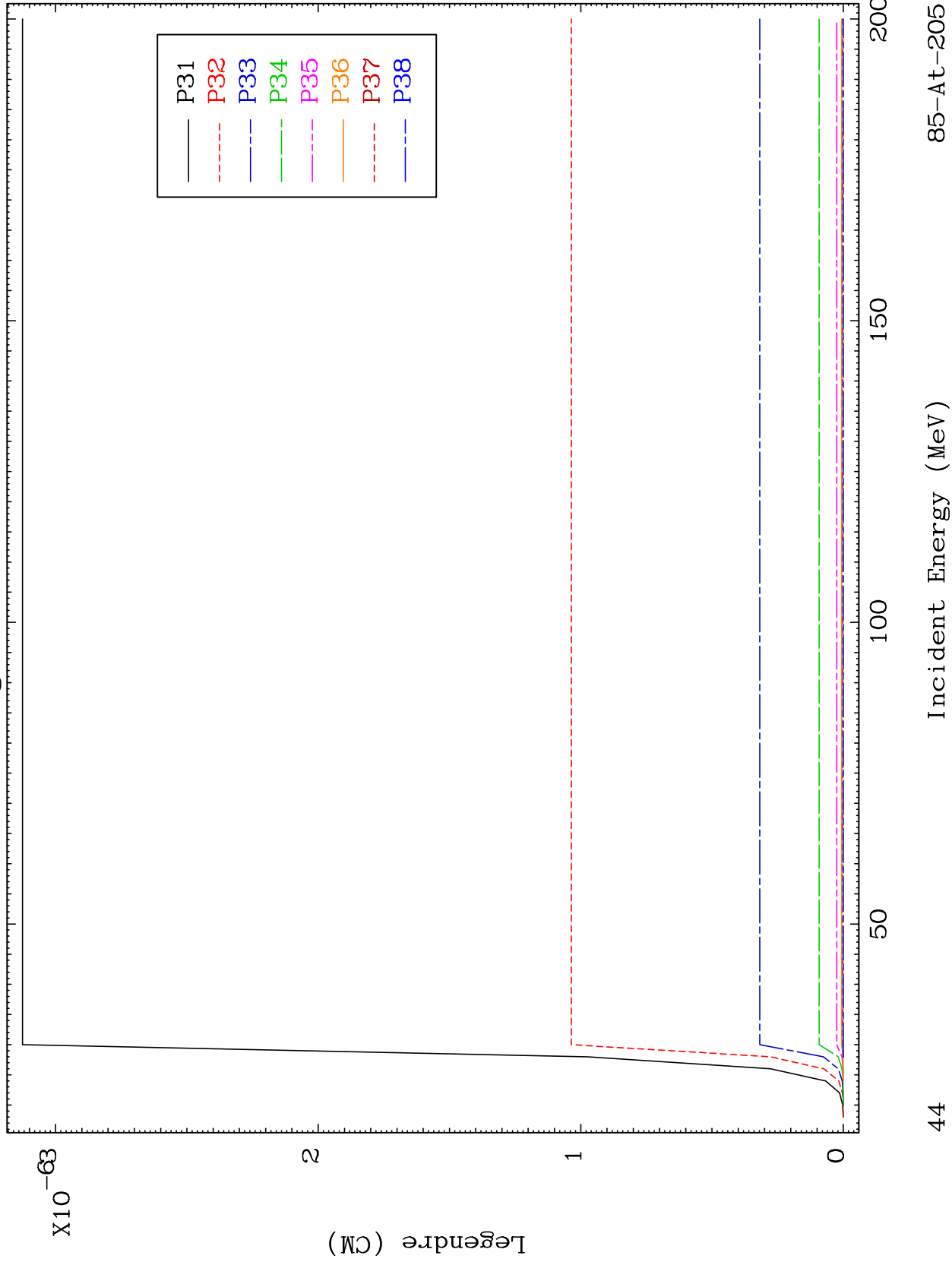
Incident Energy (MeV)

85-At-205

MAT 8531

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

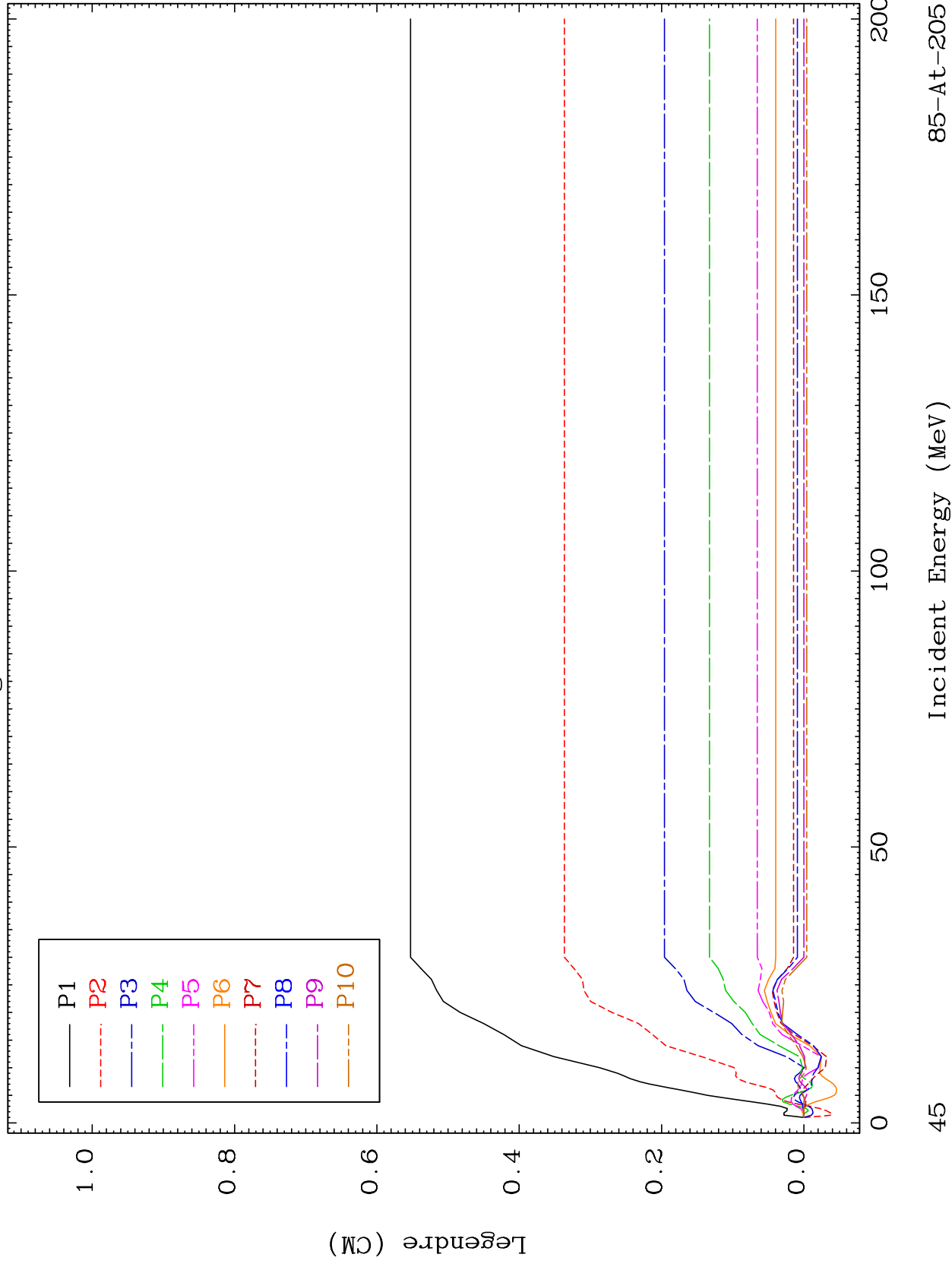
85-At-205



MAT 8531

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

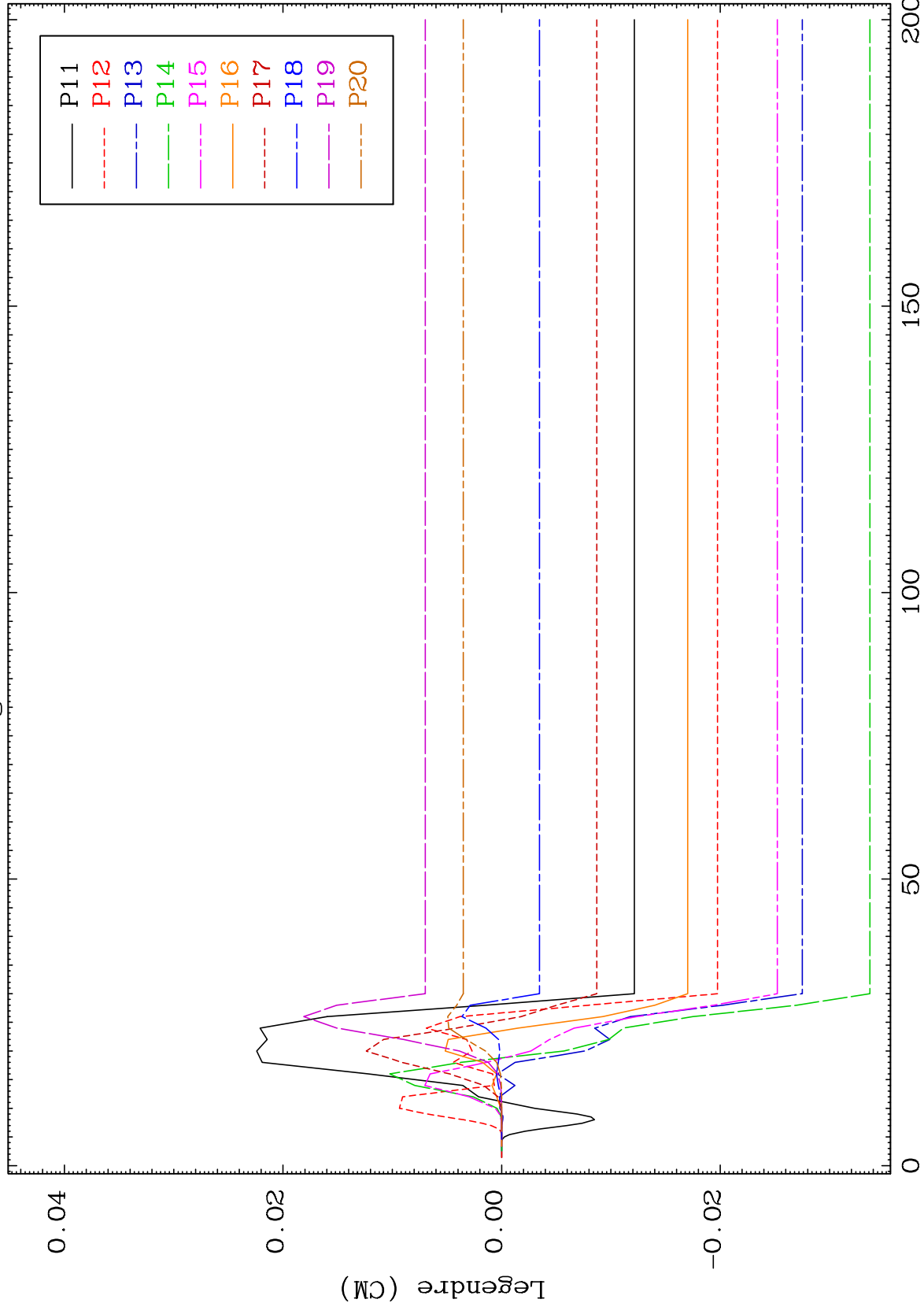
85-At-205



MAT 8531

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

85-At-205



46

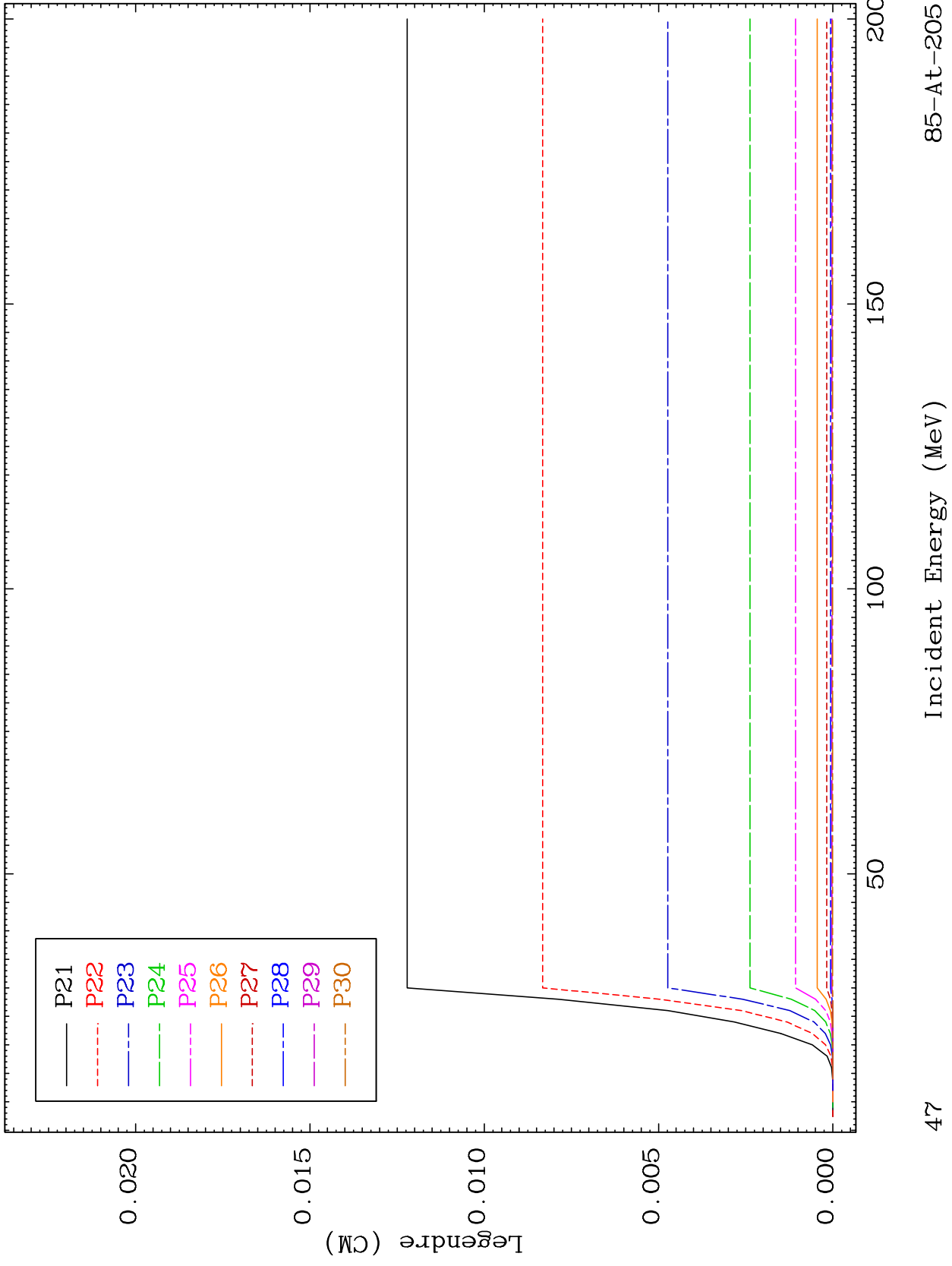
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



47

Incident Energy (MeV)

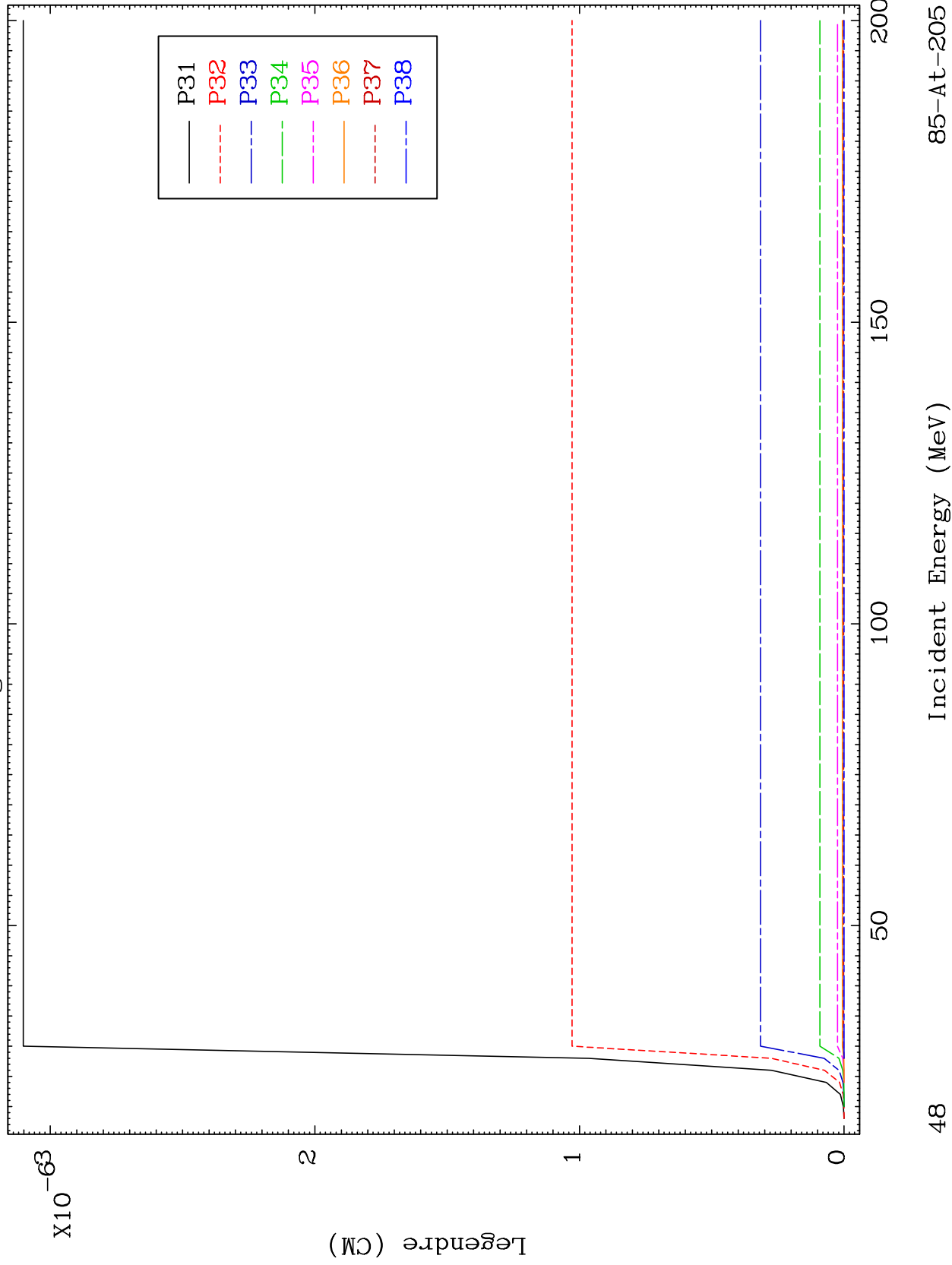
85-At-205



MAT 8531

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

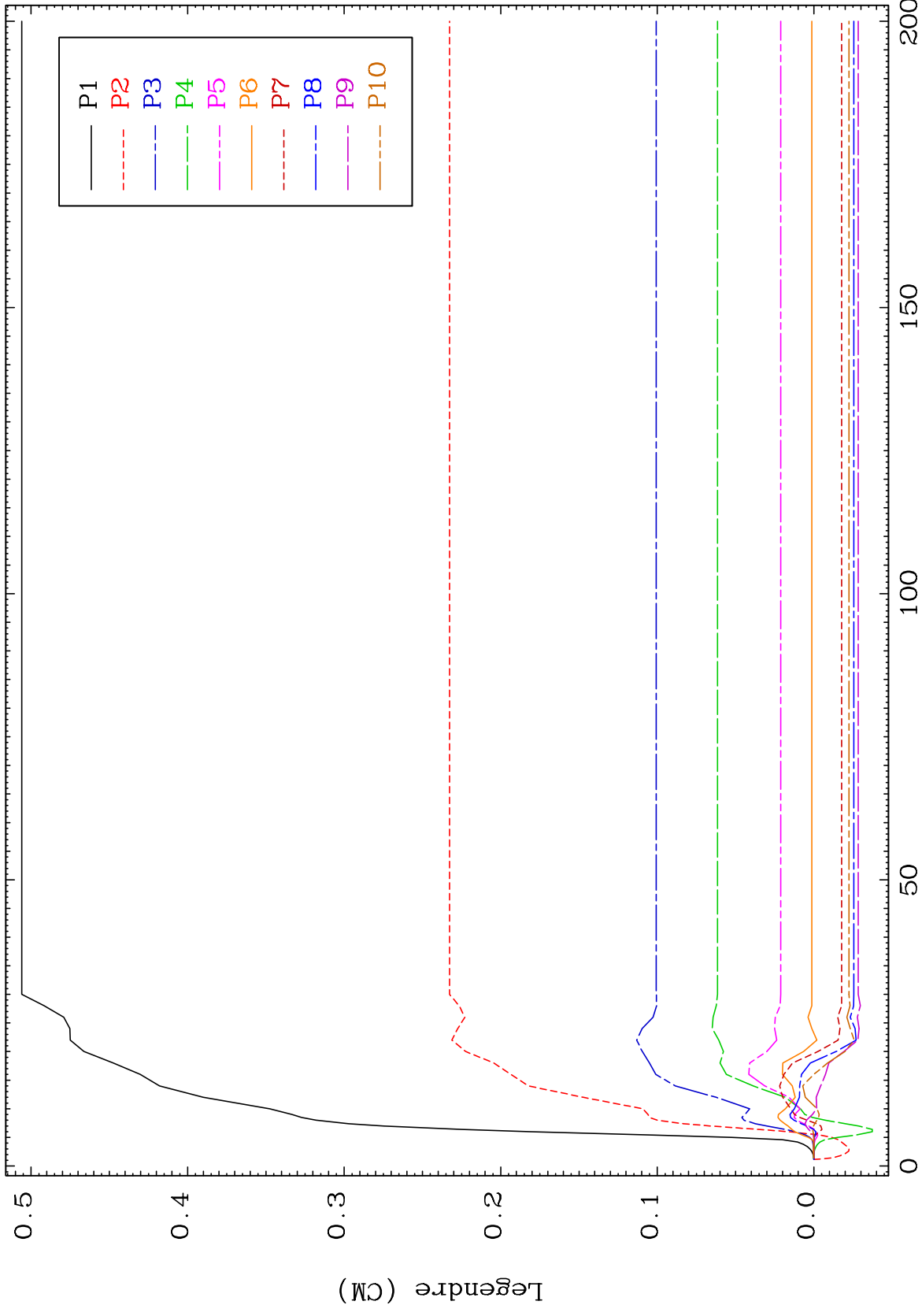
85-At-205



MAT 8531

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

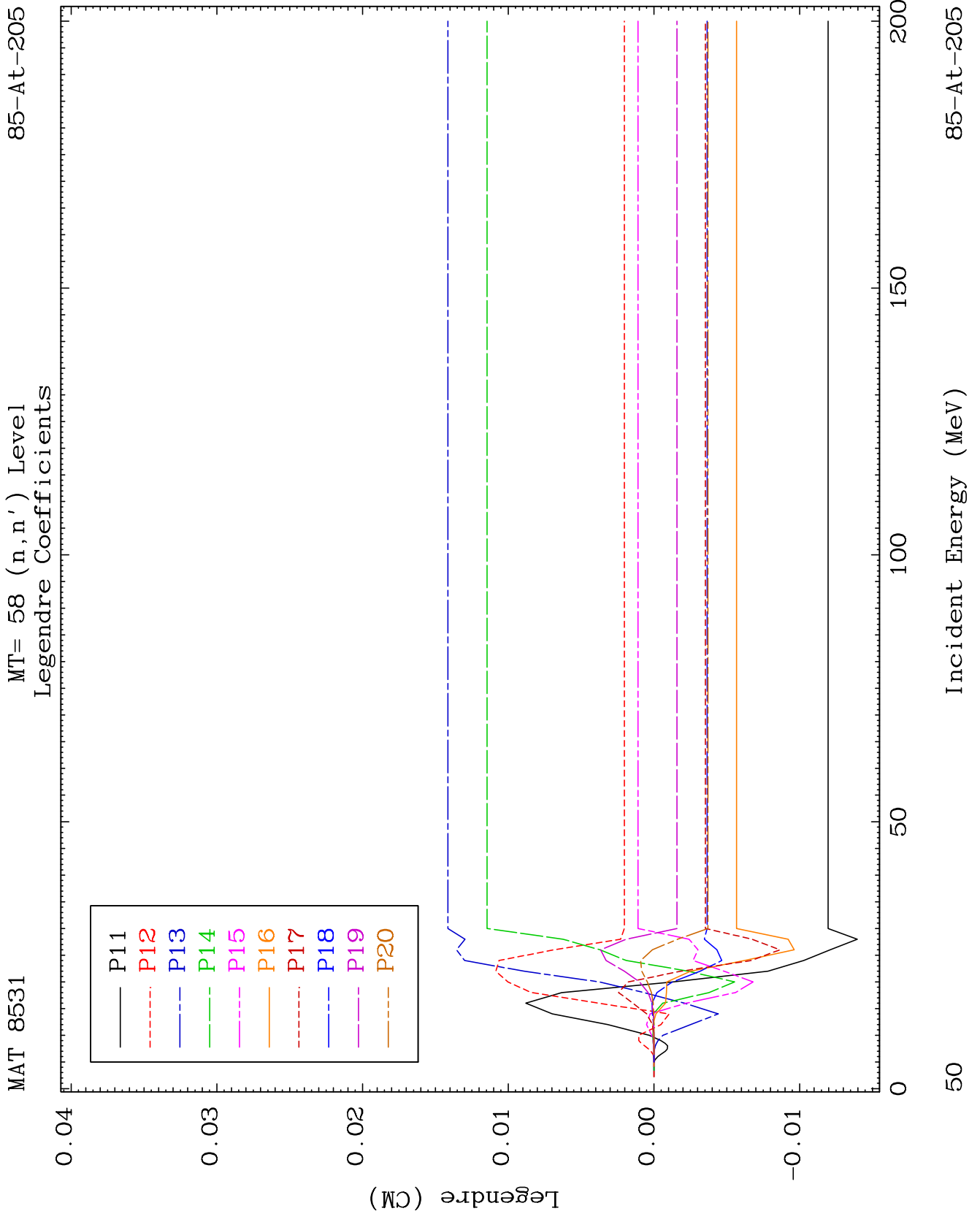
85-At-205



49

Incident Energy (MeV)

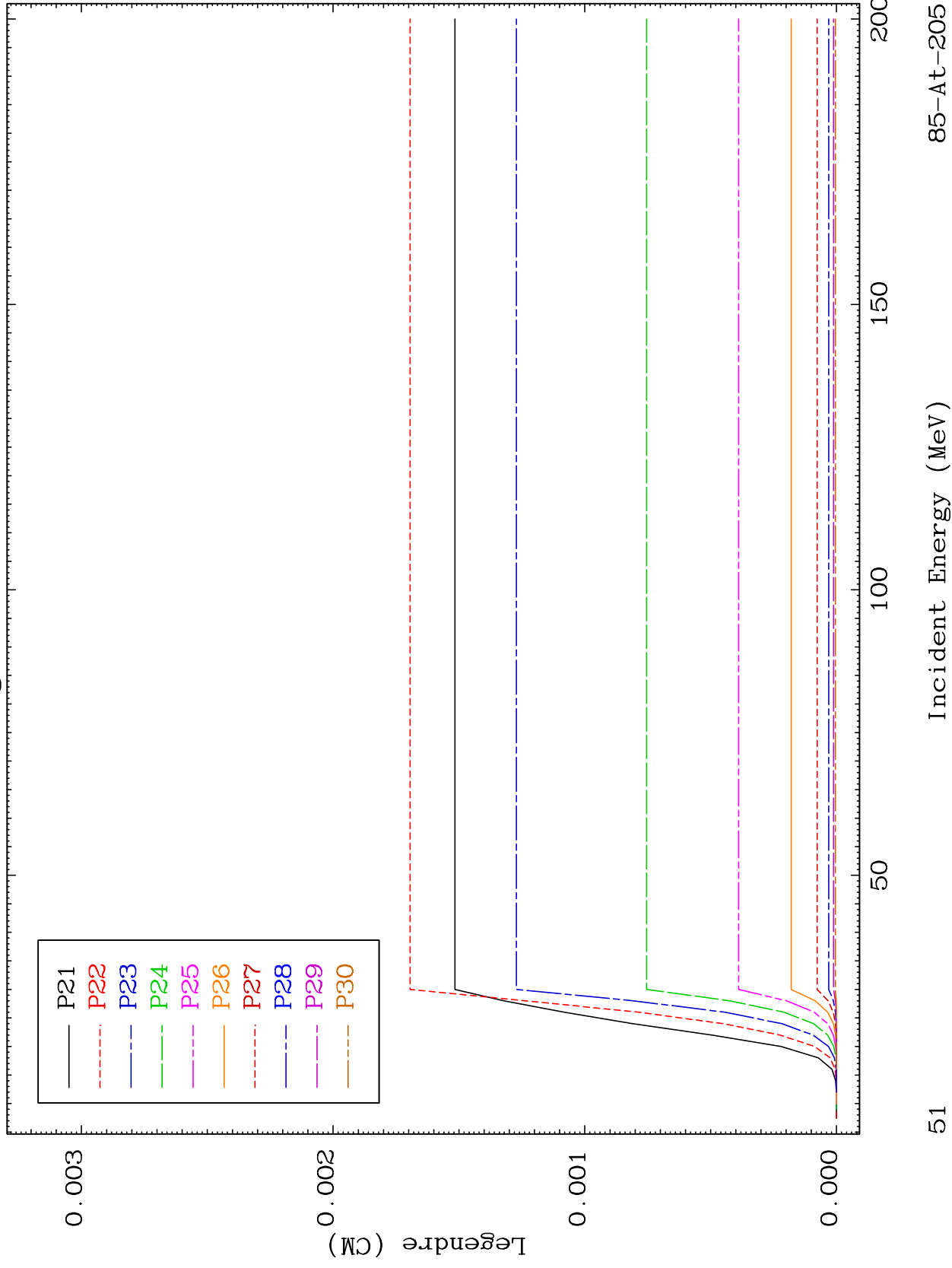
85-At-205



MAT 8531

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

85-At-205



51

Incident Energy (MeV)

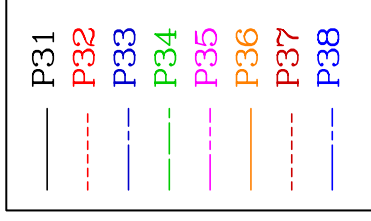
85-At-205

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

52

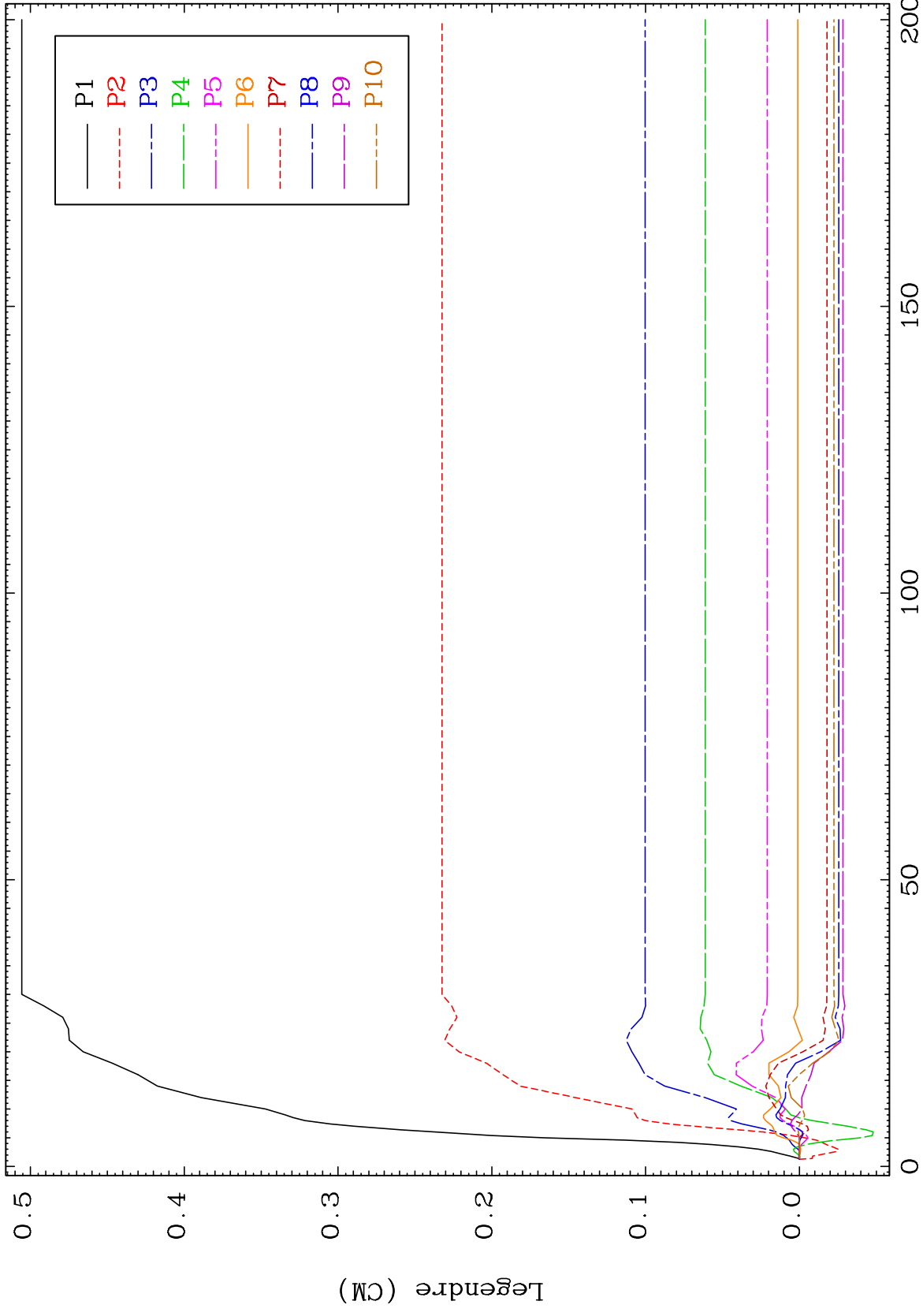
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



53

Incident Energy (MeV)

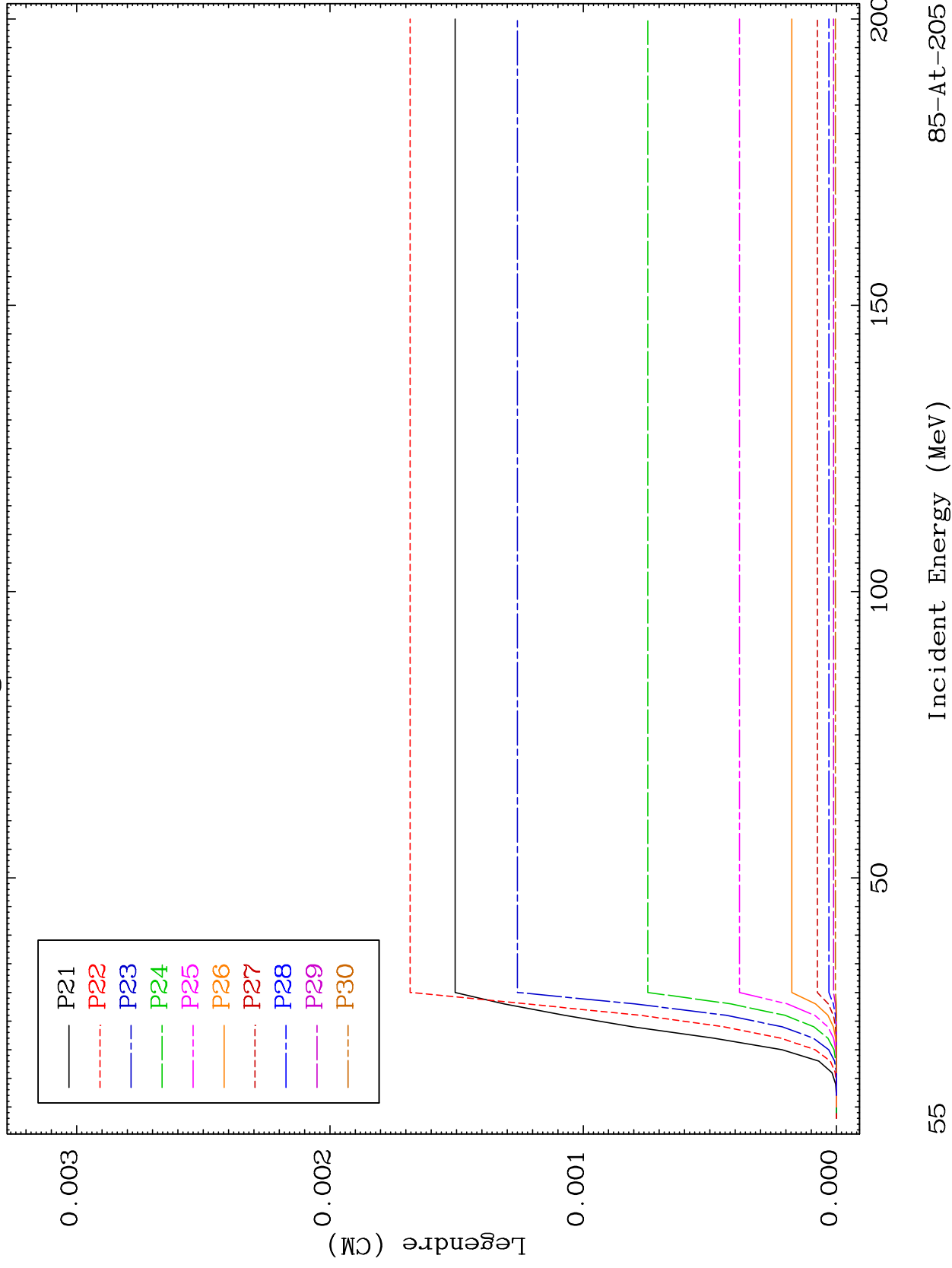
85-At-205



MAT 8531

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

85-At-205



55

Incident Energy (MeV)

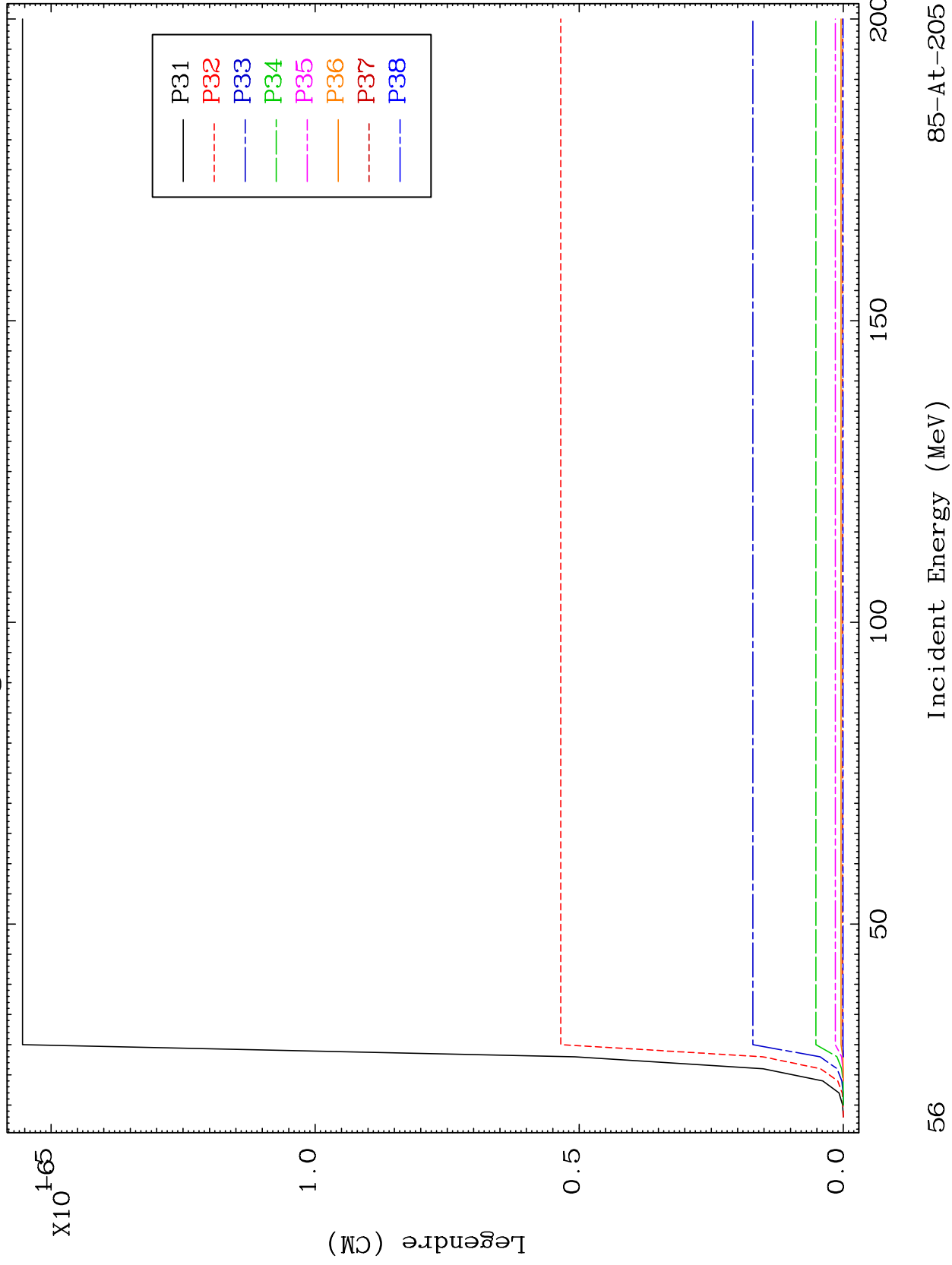
85-At-205



MAT 8531

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

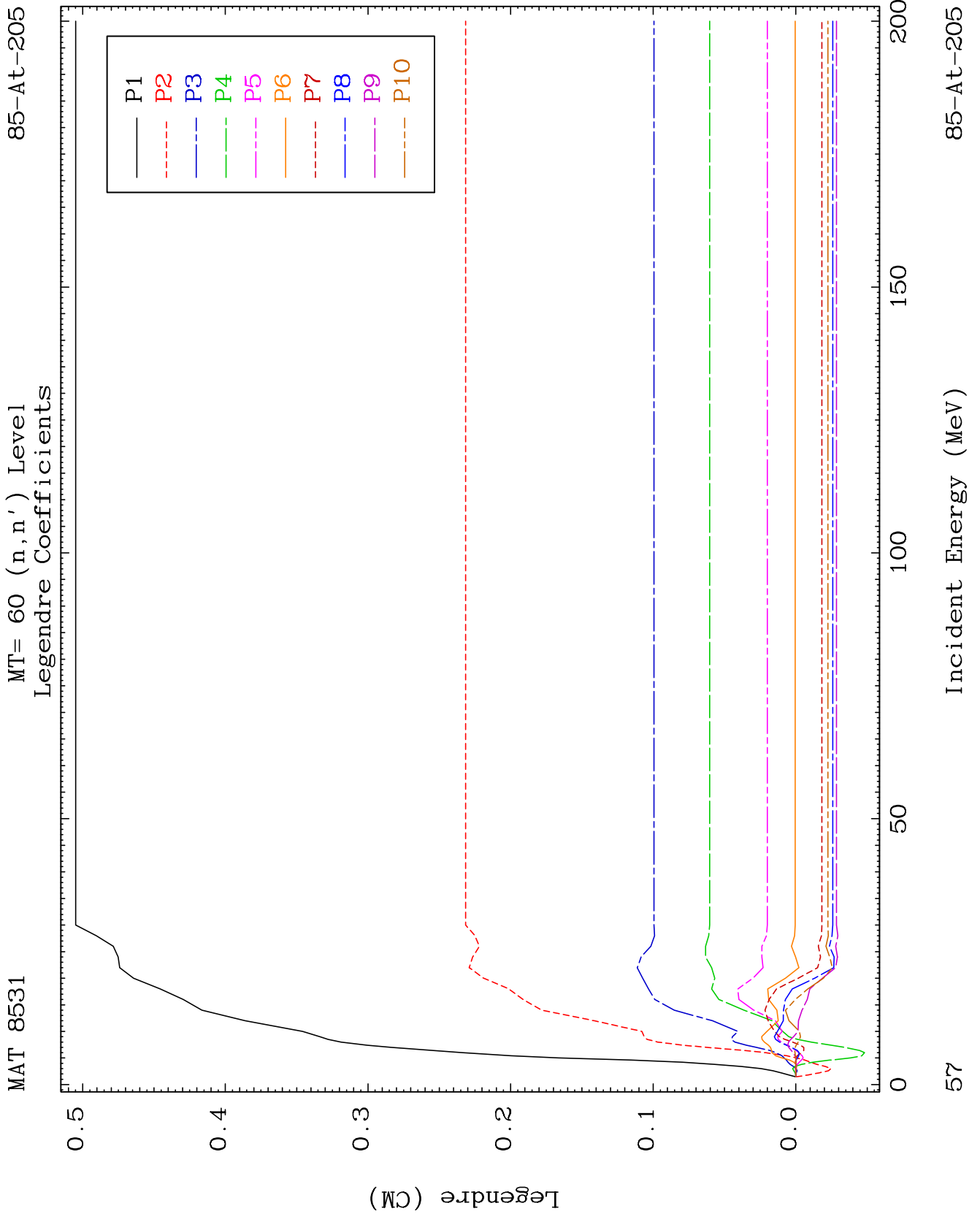
85-At-205

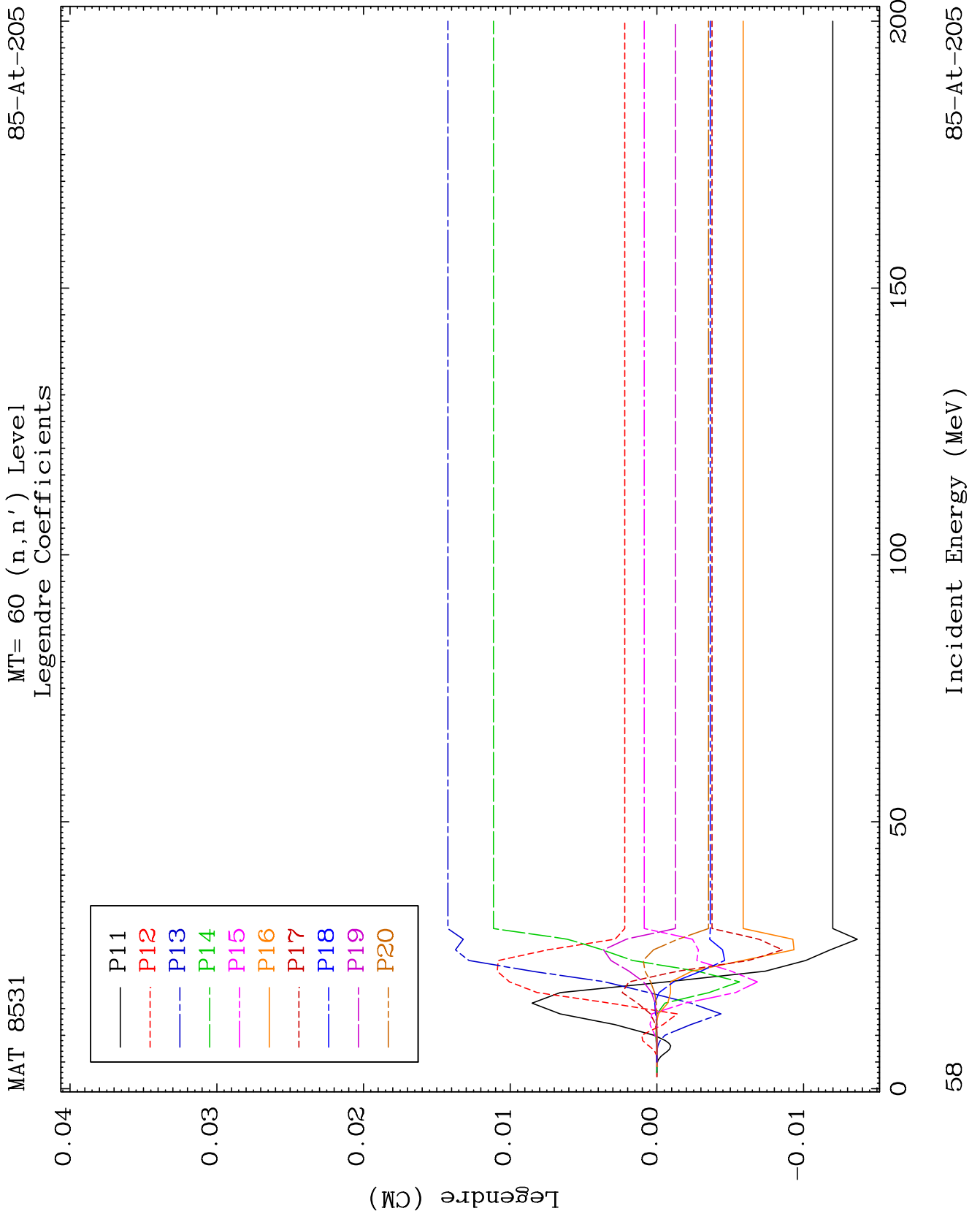


56

Incident Energy (MeV)

85-At-205

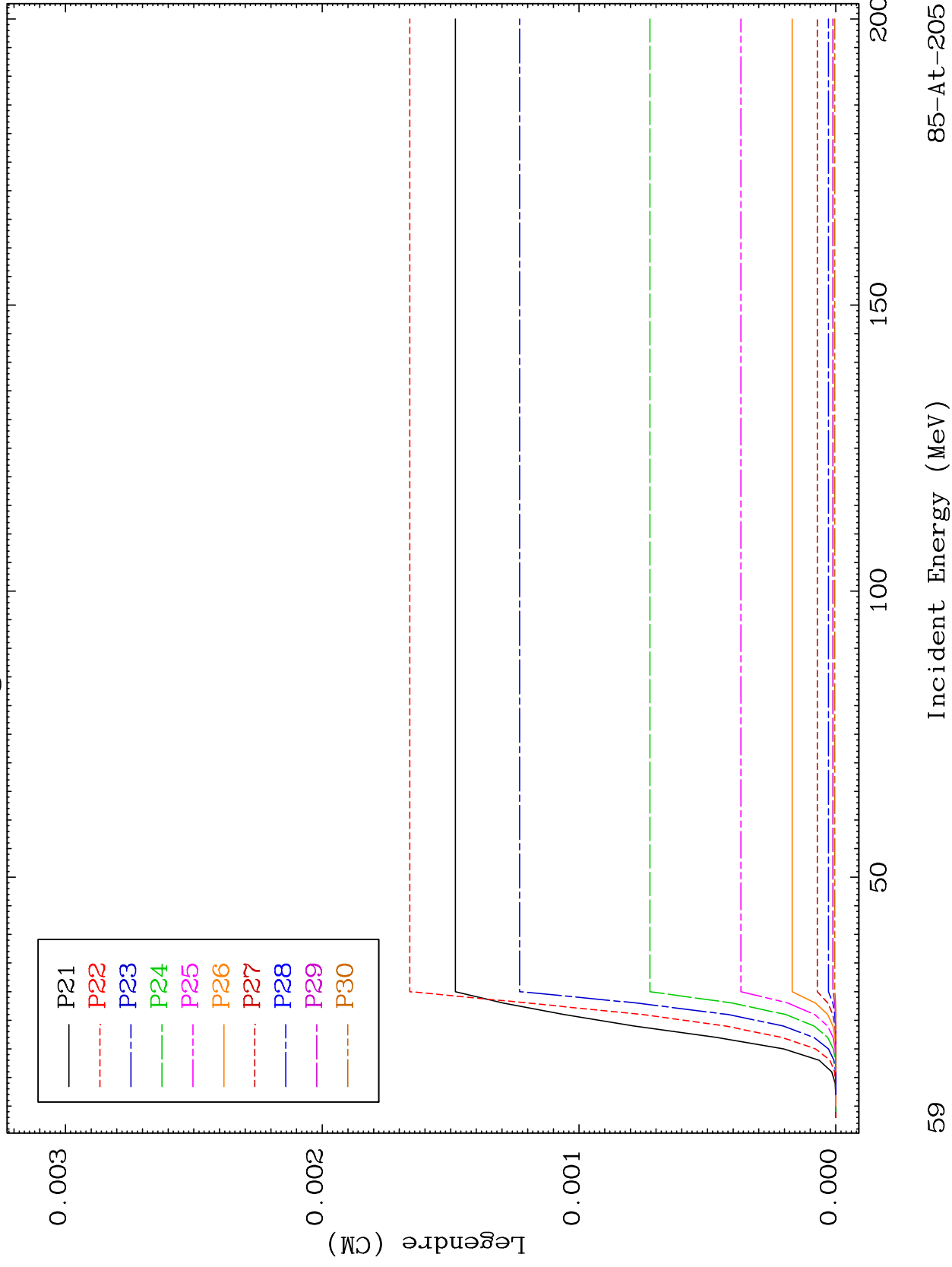




MAT 8531

MT= 60 (n,n') Level  
Legendre Coefficients

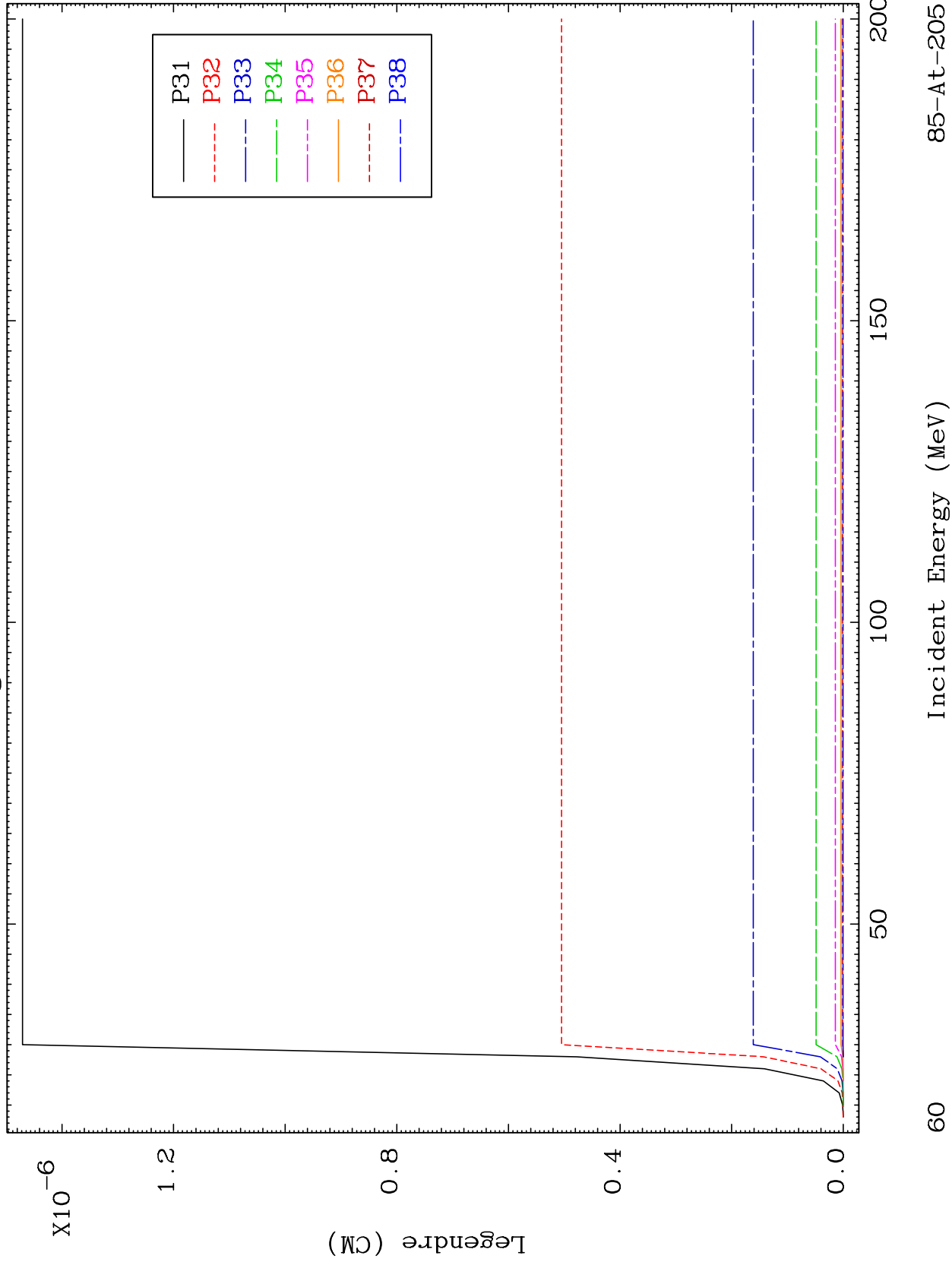
85-At-205



MAT 8531

MT= 60 (n,n') Level  
Legendre Coefficients

85-At-205

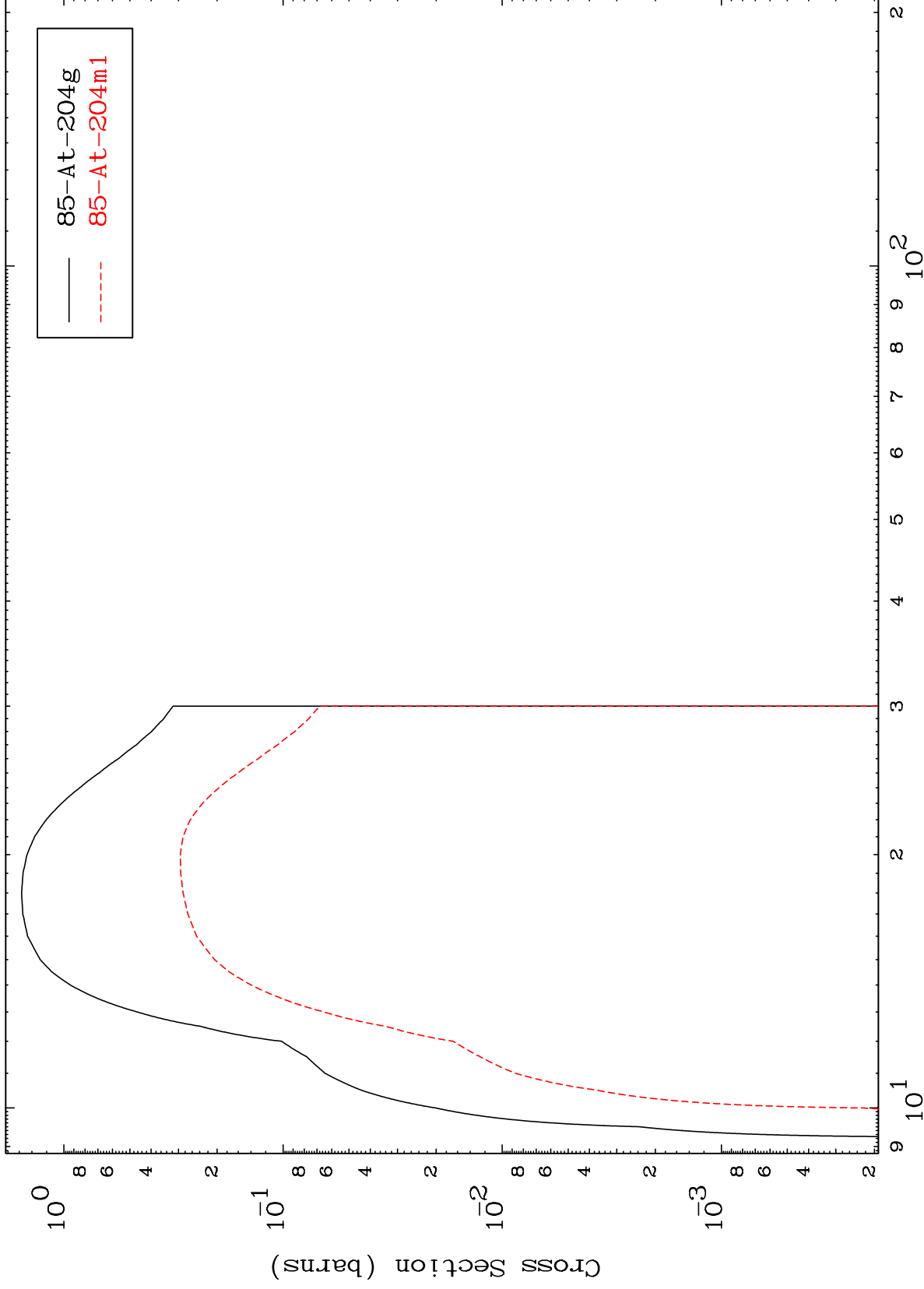


MAT 8531

(n,2n)

85-At-205

Radionuclide Production Cross Section



Incident Energy (MeV)

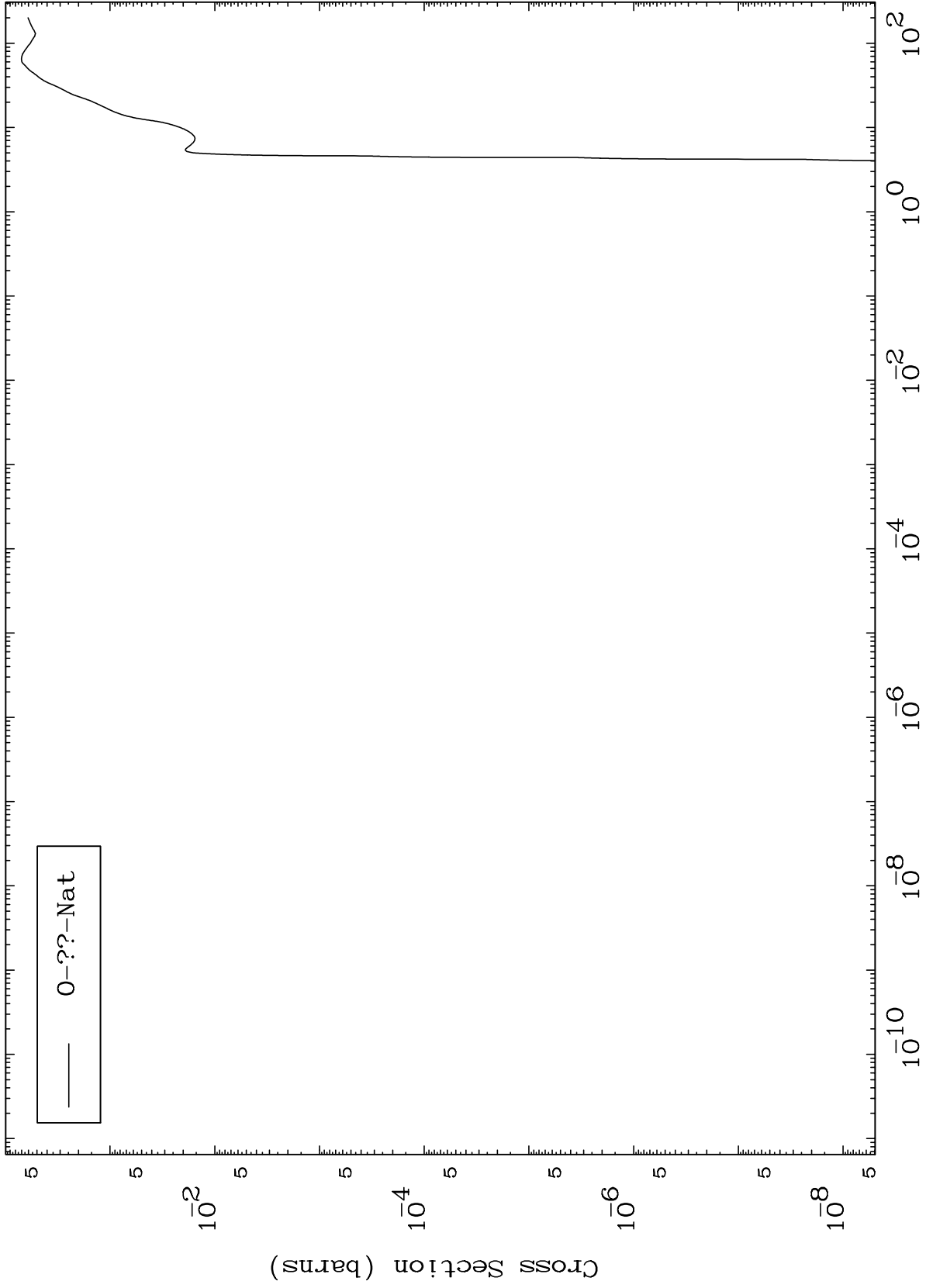
85-At-205

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MAT 8531

Fission  
Radionuclide Production Cross Section

85-At-205



62

Incident Energy (MeV)

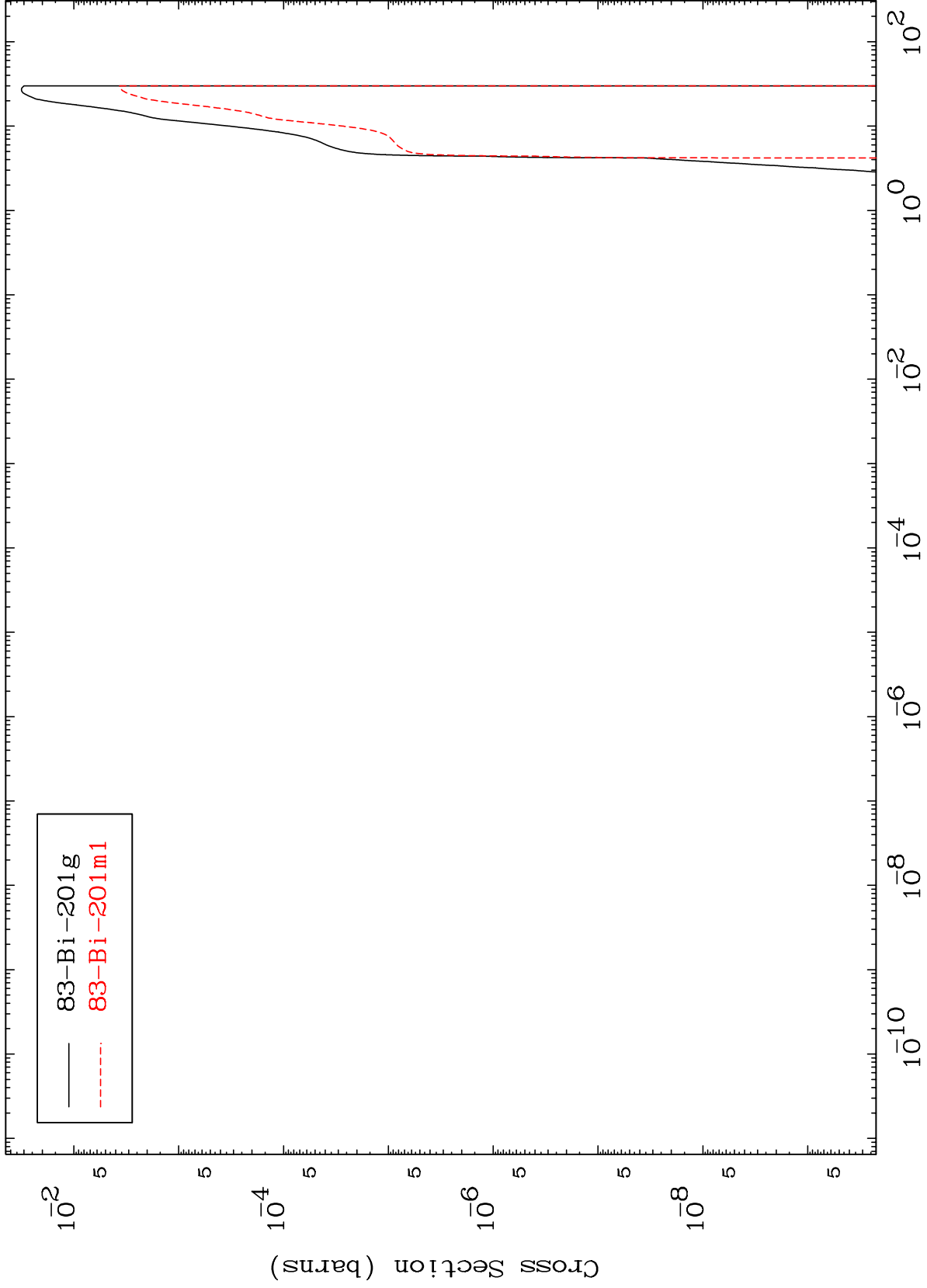
85-At-205

MAT 8531

$(n, n') \alpha$

85-At-205

Radionuclide Production Cross Section



— 83-Bi-201g  
- - - 83-Bi-201m1

63

Incident Energy (MeV)

85-At-205

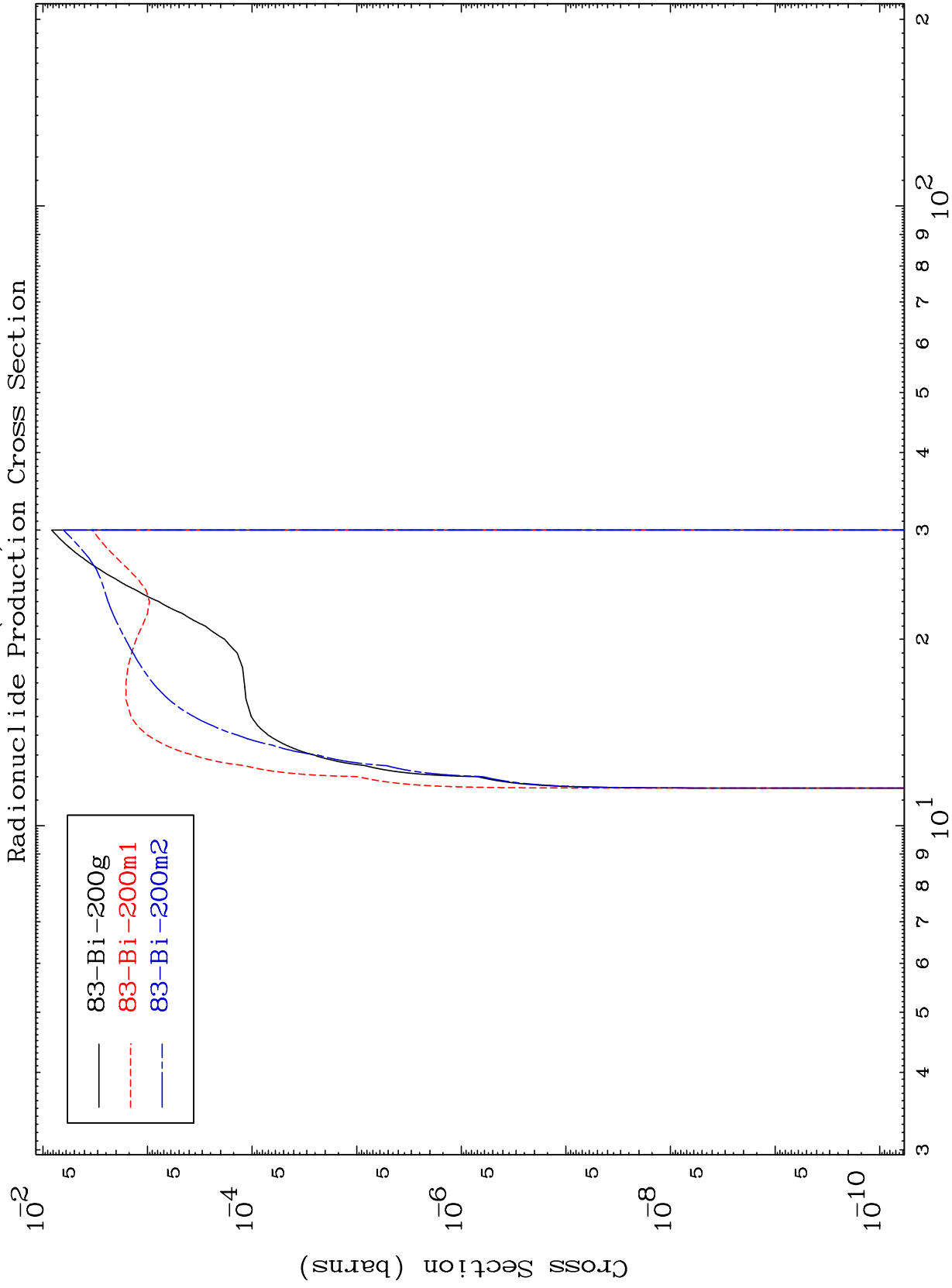


MAT 8531

85-At-205

(n,2n)  $\alpha$

Radionuclide Production Cross Section



64

Incident Energy (MeV)

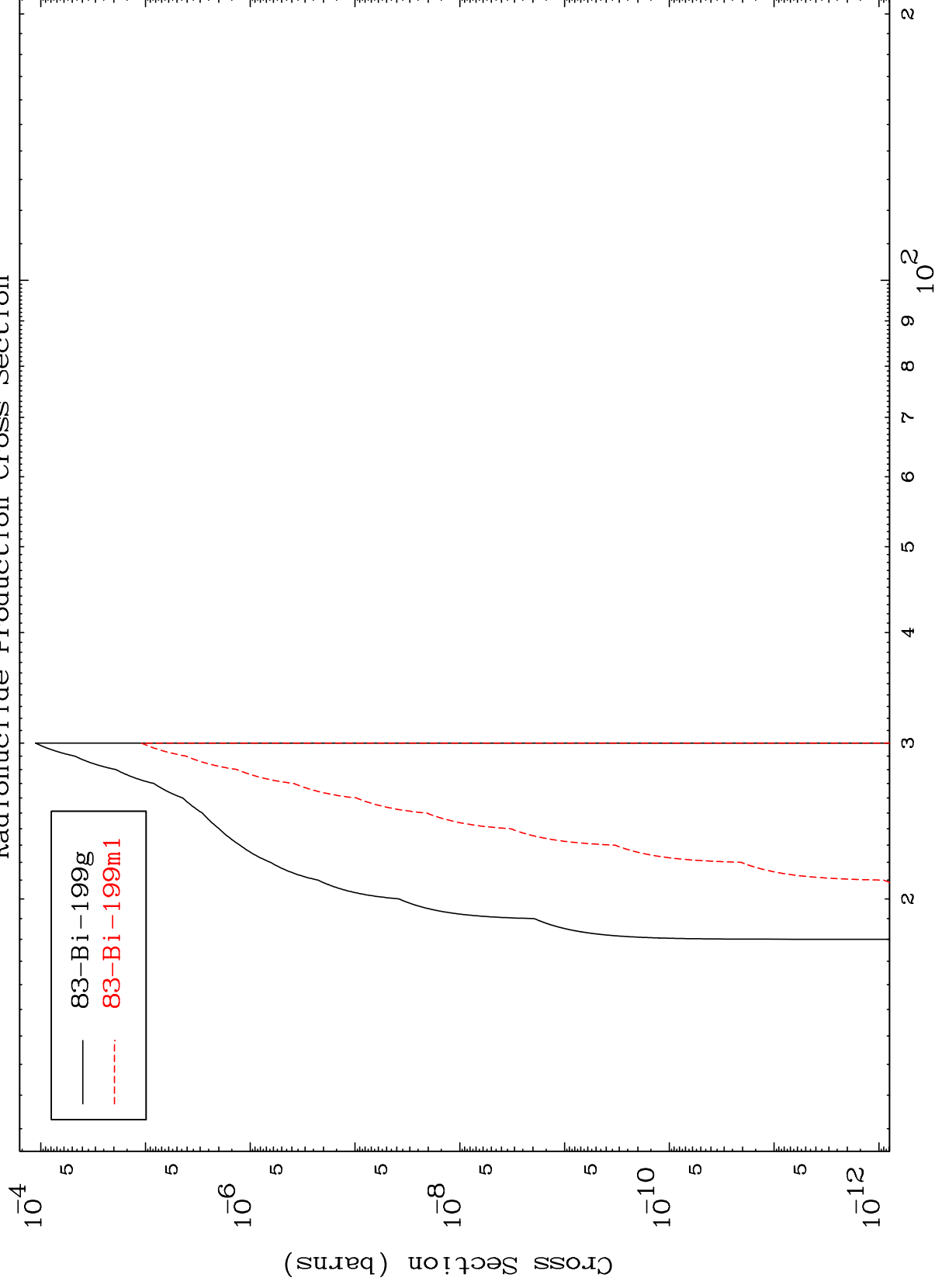
85-At-205

MAT 8531

(n,3n)  $\alpha$

85-At-205

Radionuclide Production Cross Section



65

Incident Energy (MeV)

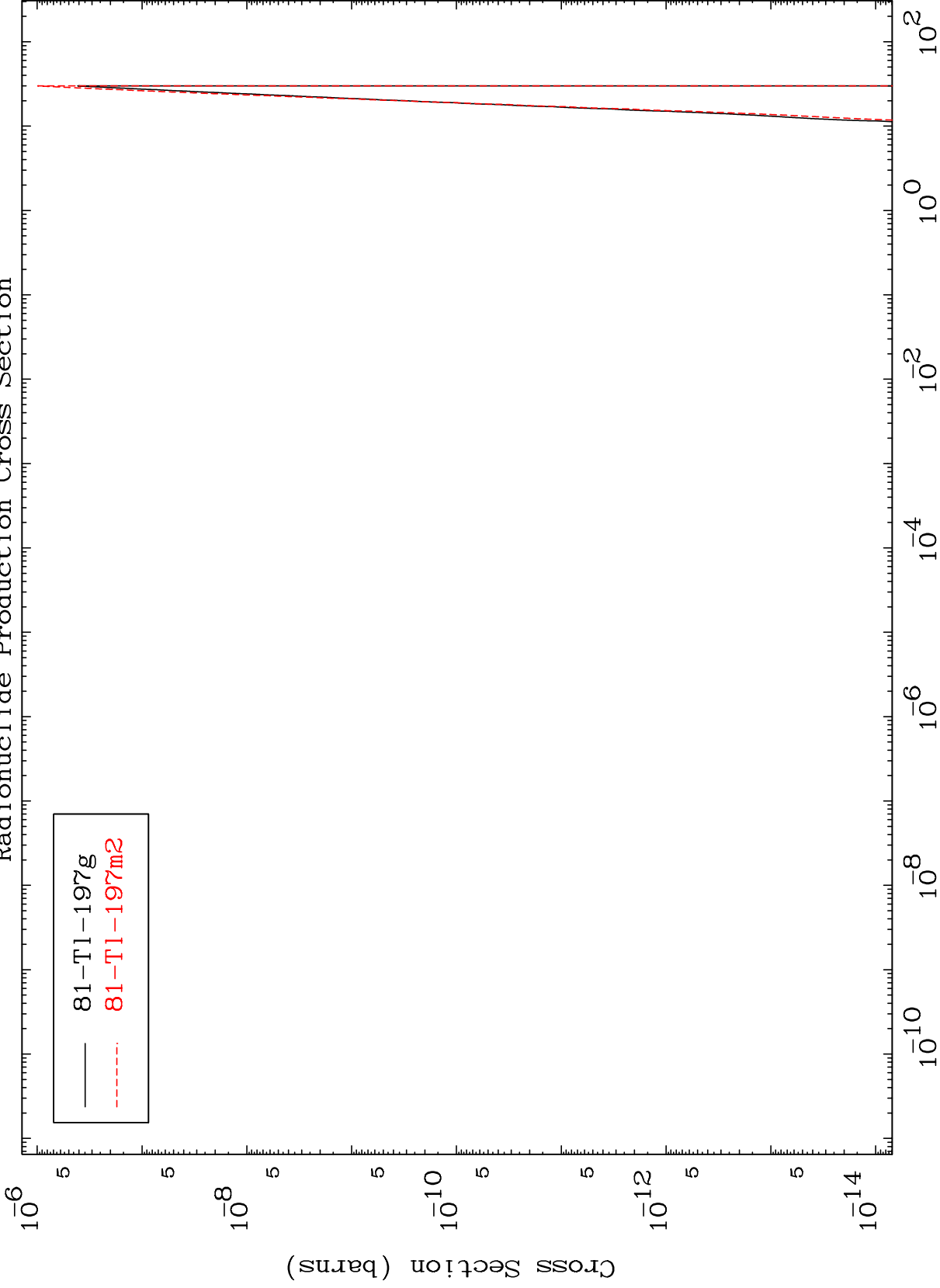
85-At-205

MAT 8531

(n,n') 2α

85-At-205

Radionuclide Production Cross Section



66

Incident Energy (MeV)

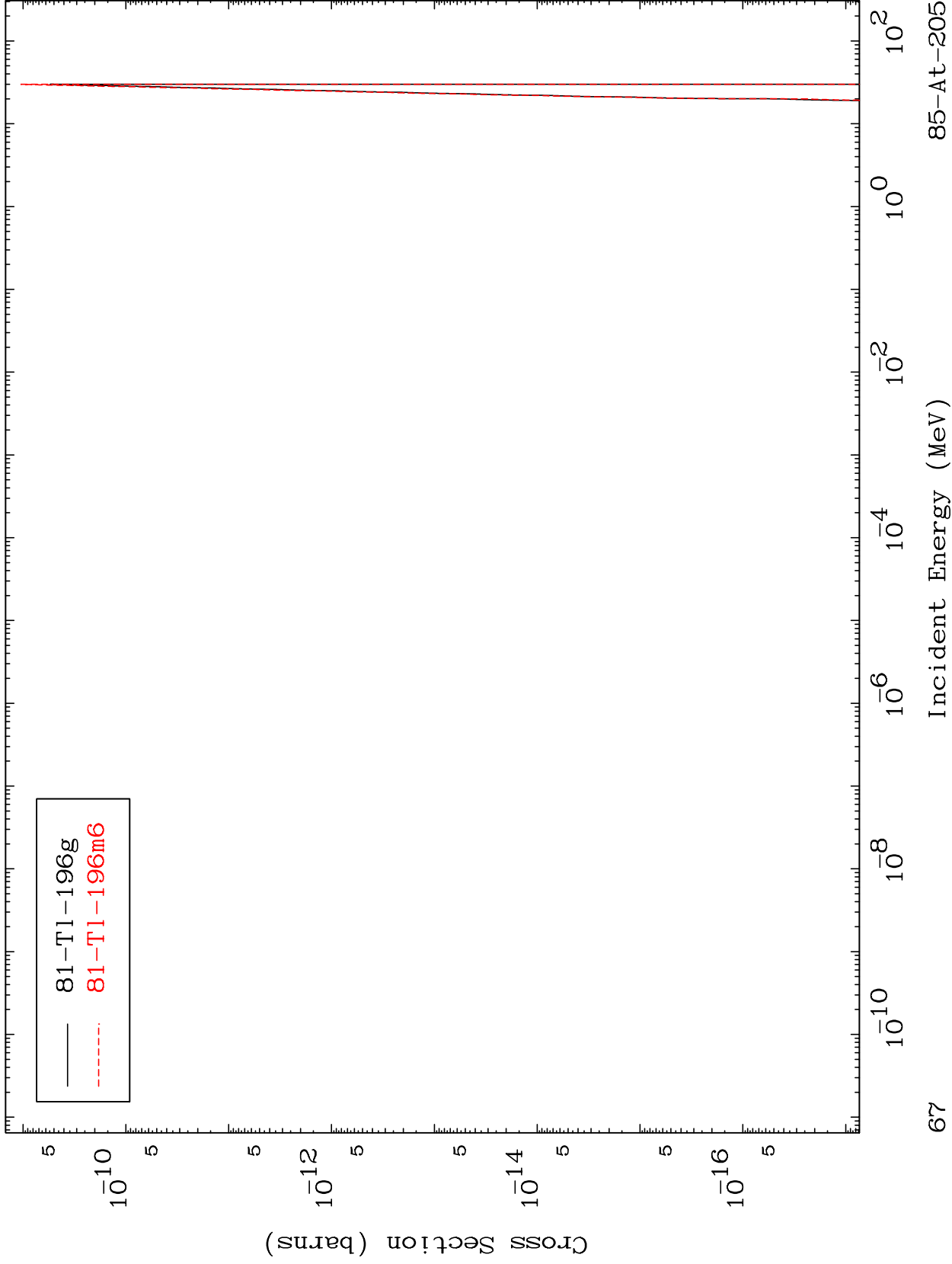
85-At-205

MAT 8531

(n,2n) 2 $\alpha$

85-At-205

Radionuclide Production Cross Section



67

Incident Energy (MeV)

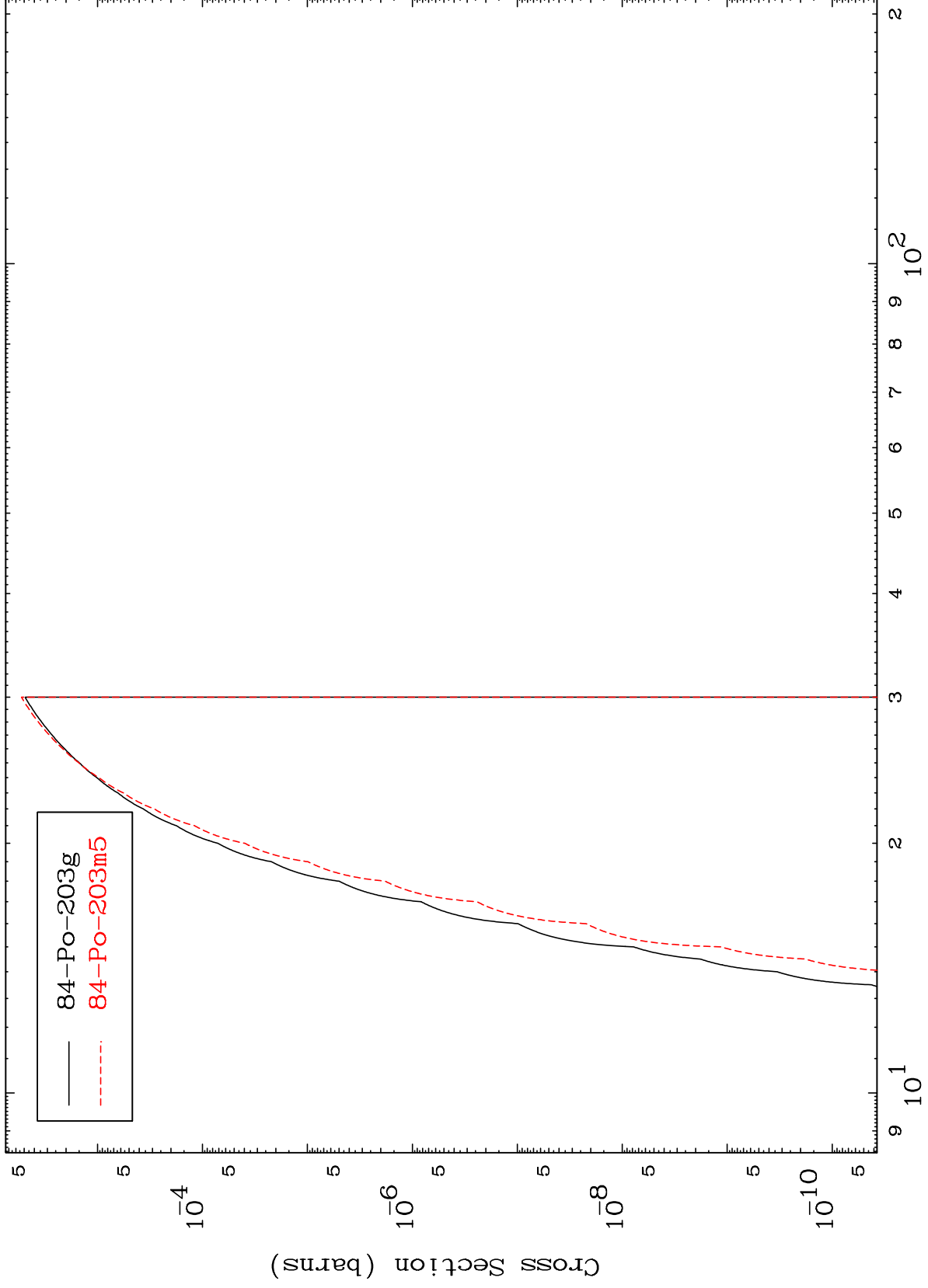
85-At-205

MAT 8531

(n,n') d

85-At-205

Radionuclide Production Cross Section



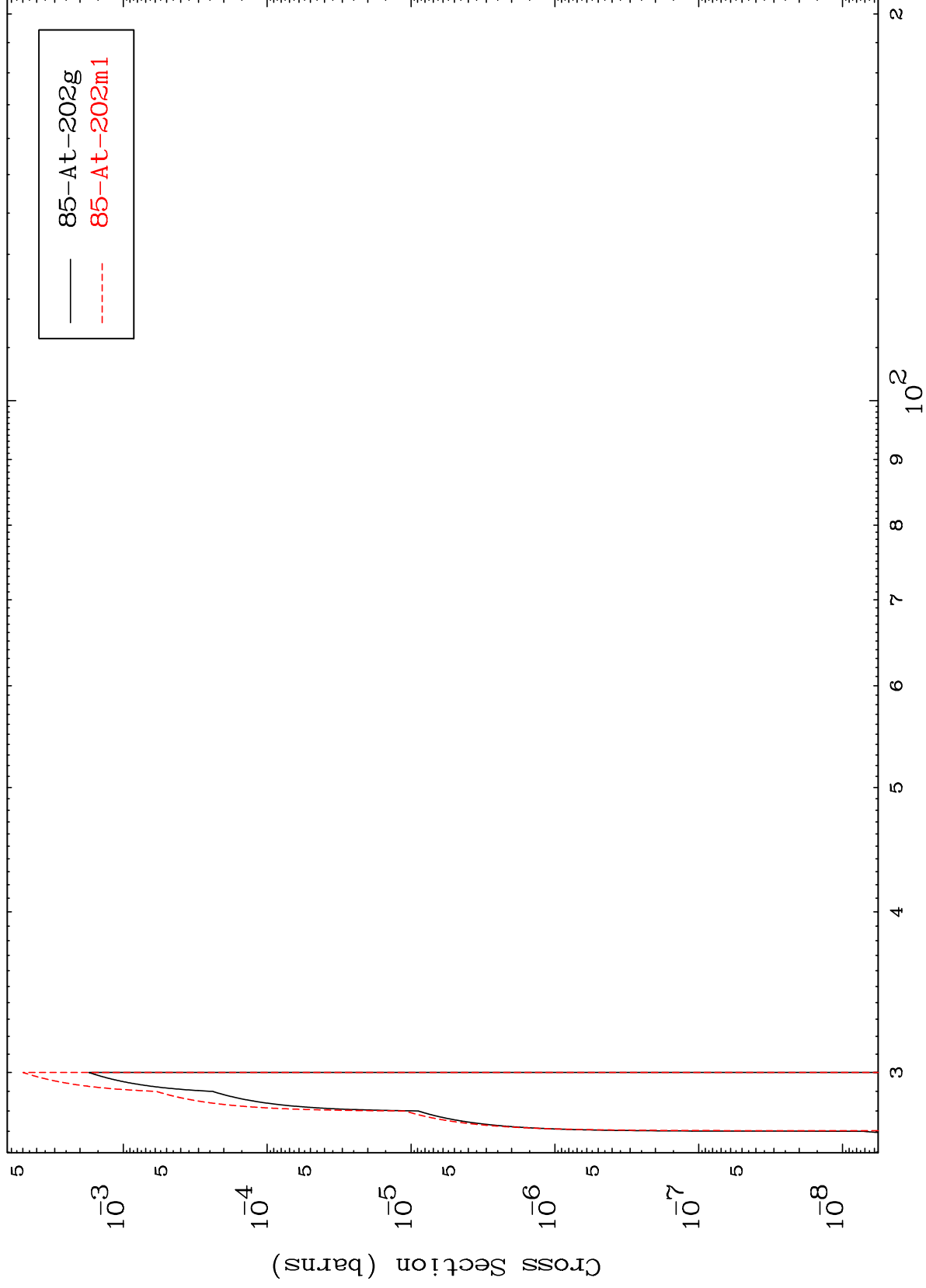
84-Po-203g  
84-Po-203m5

68

Incident Energy (MeV)

85-At-205

(n,4n)  
Radionuclide Production Cross Section

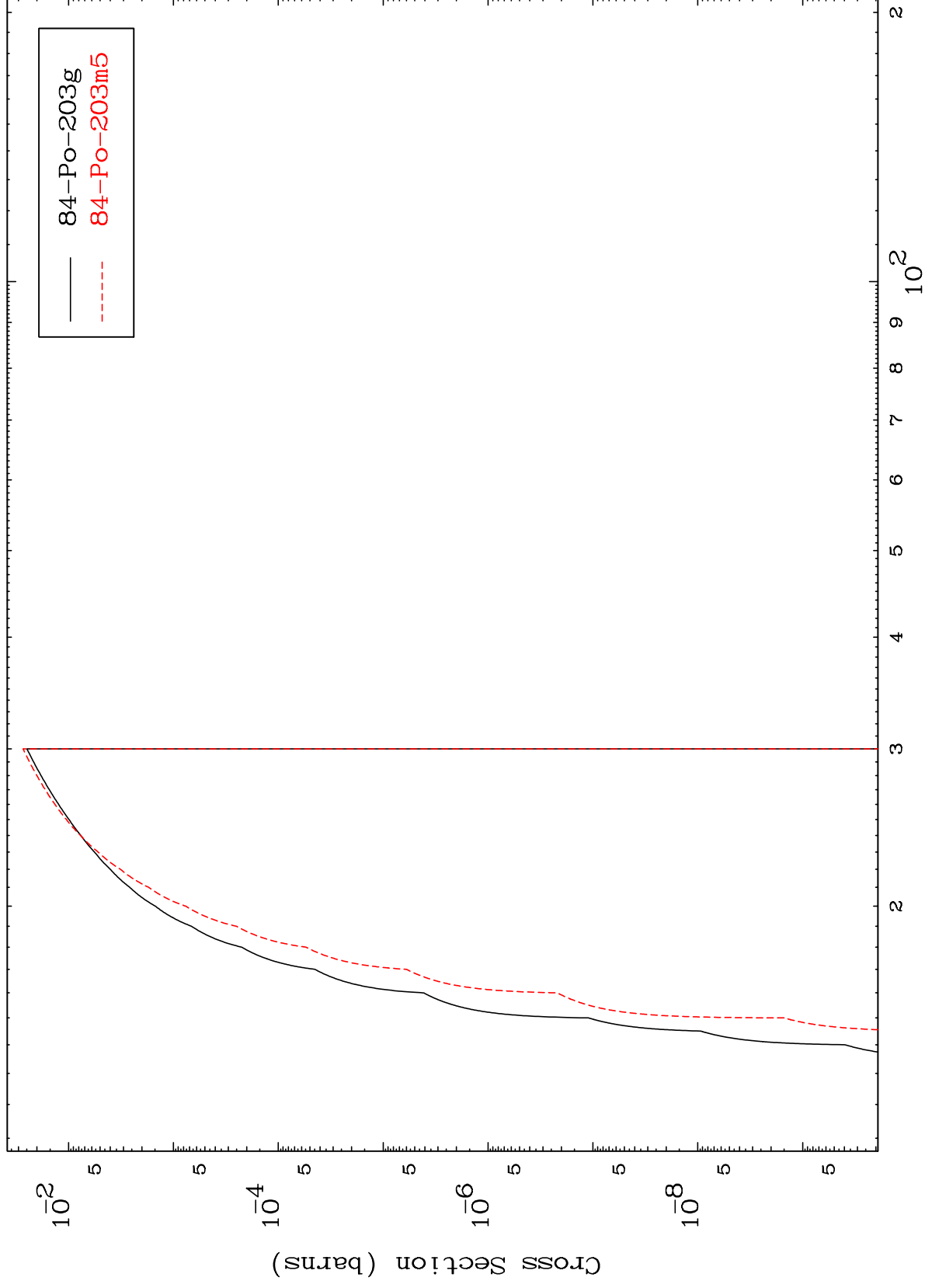


MAT 8531

(n,2n) p

85-At-205

Radionuclide Production Cross Section



70

Incident Energy (MeV)

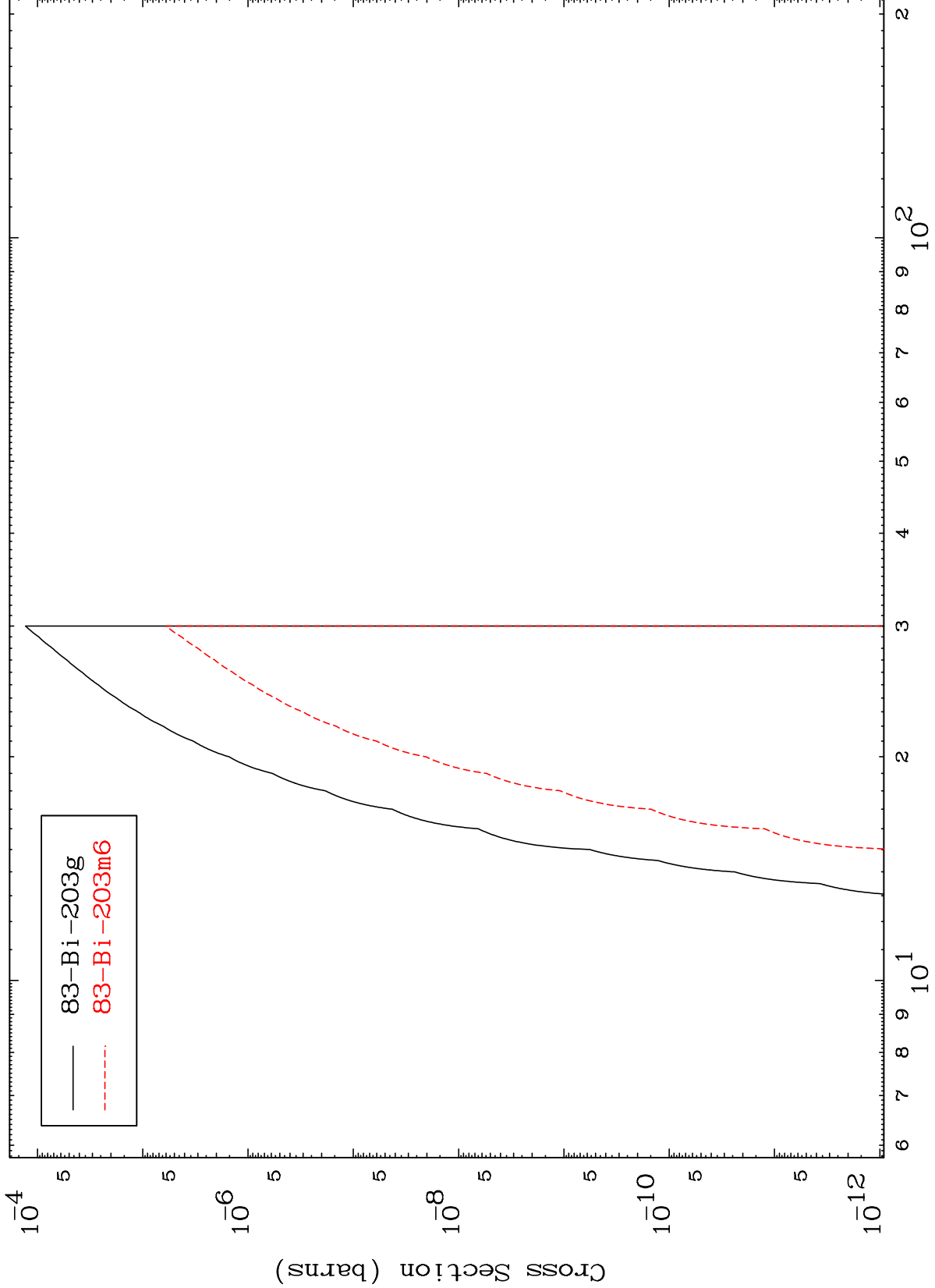
85-At-205

MAT 8531

(n,2n) p

85-At-205

Radionuclide Production Cross Section



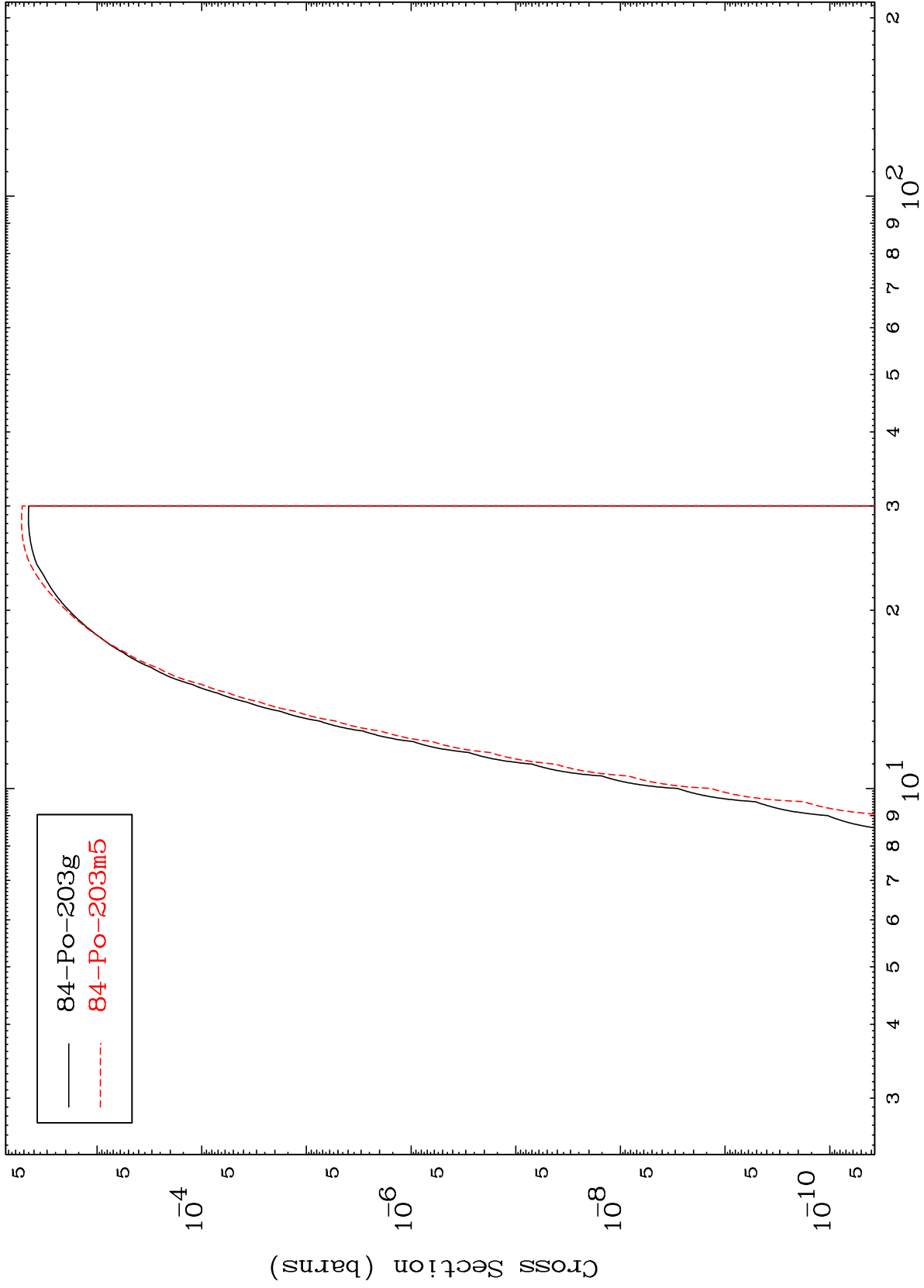
83-Bi-203g  
83-Bi-203m6



MAT 8531

85-At-205

(n, t)  
Radionuclide Production Cross Section



72

Incident Energy (MeV)

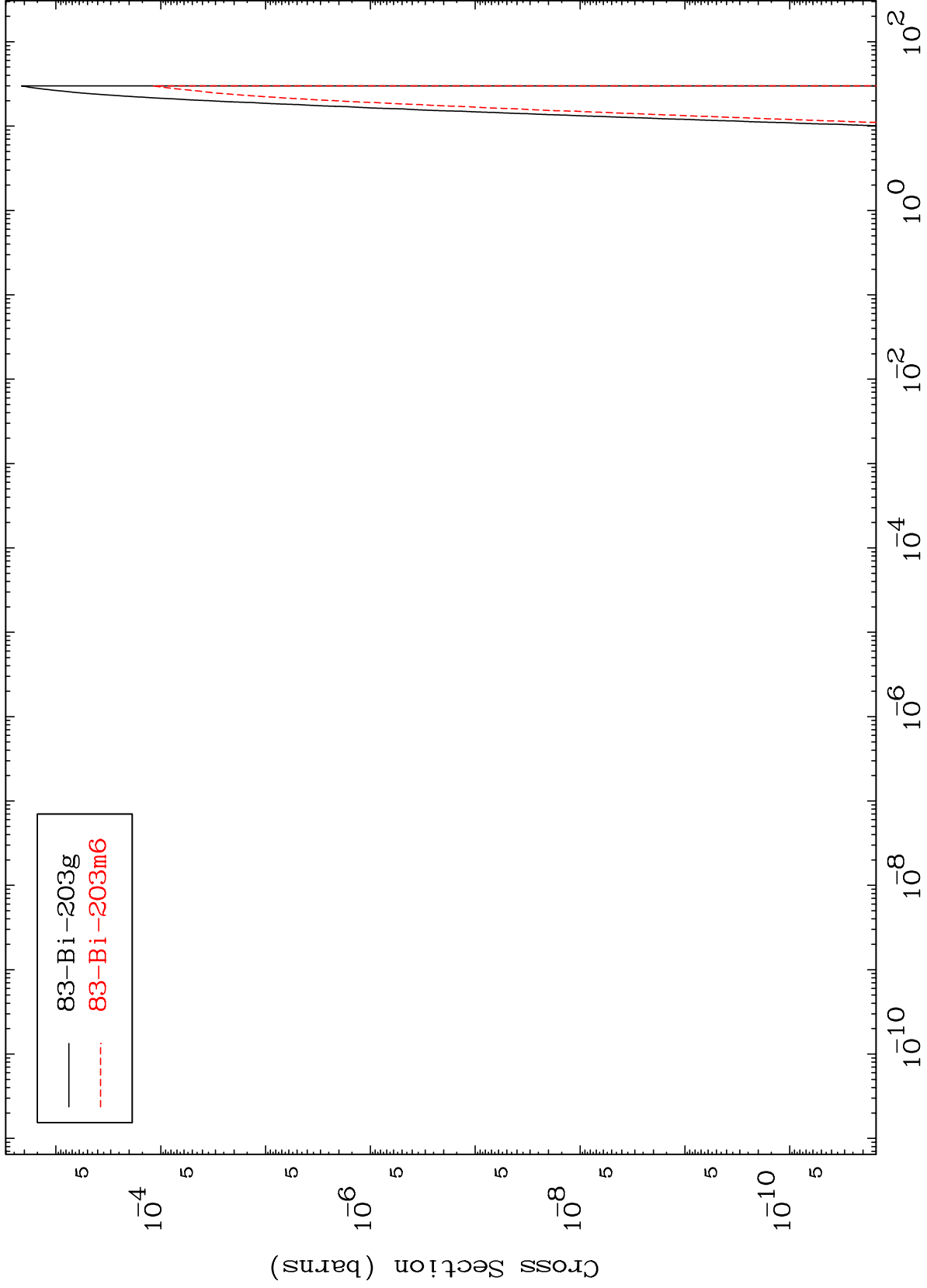
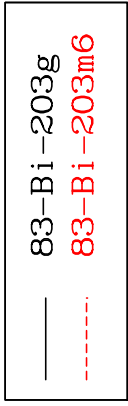
85-At-205

MAT 8531

(n,He-3)

85-At-205

Radionuclide Production Cross Section



73

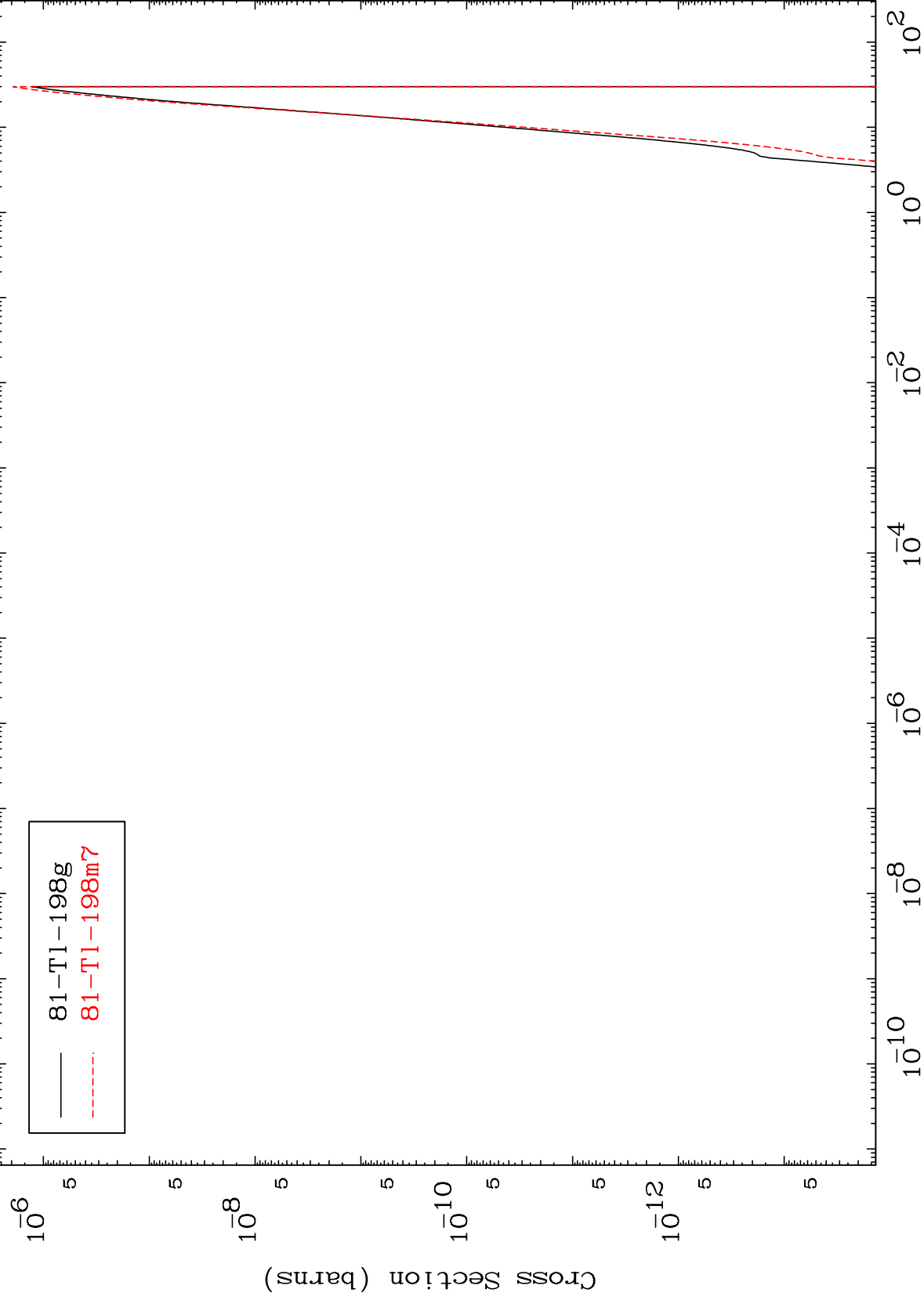
85-At-205

MAT 8531

(n,2α)

85-At-205

Radionuclide Production Cross Section



74

Incident Energy (MeV)

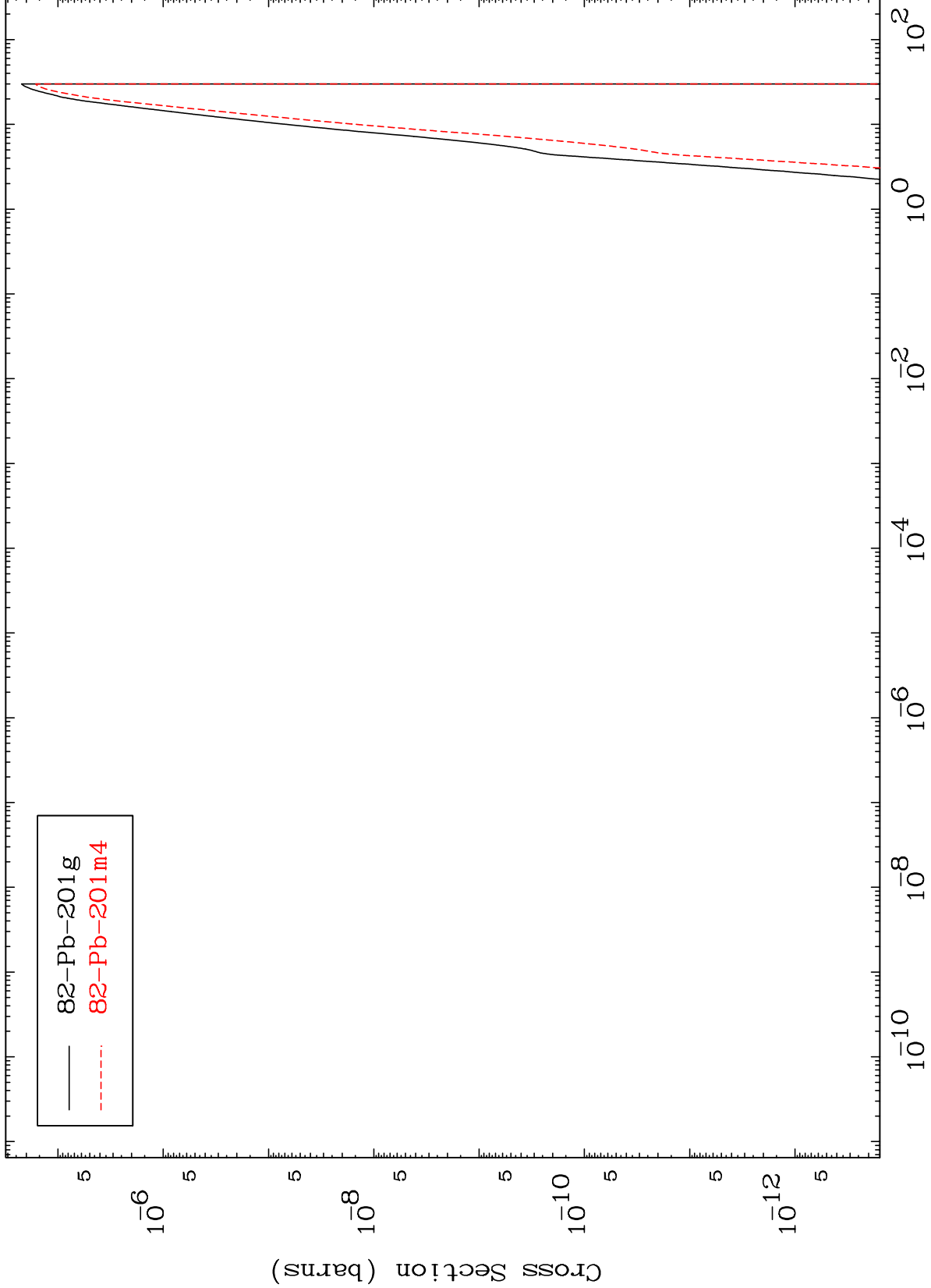
85-At-205

MAT 8531

(n,p)  $\alpha$

85-At-205

Radionuclide Production Cross Section



— 82-Pb-201g  
- - - 82-Pb-201m4

75

Incident Energy (MeV)

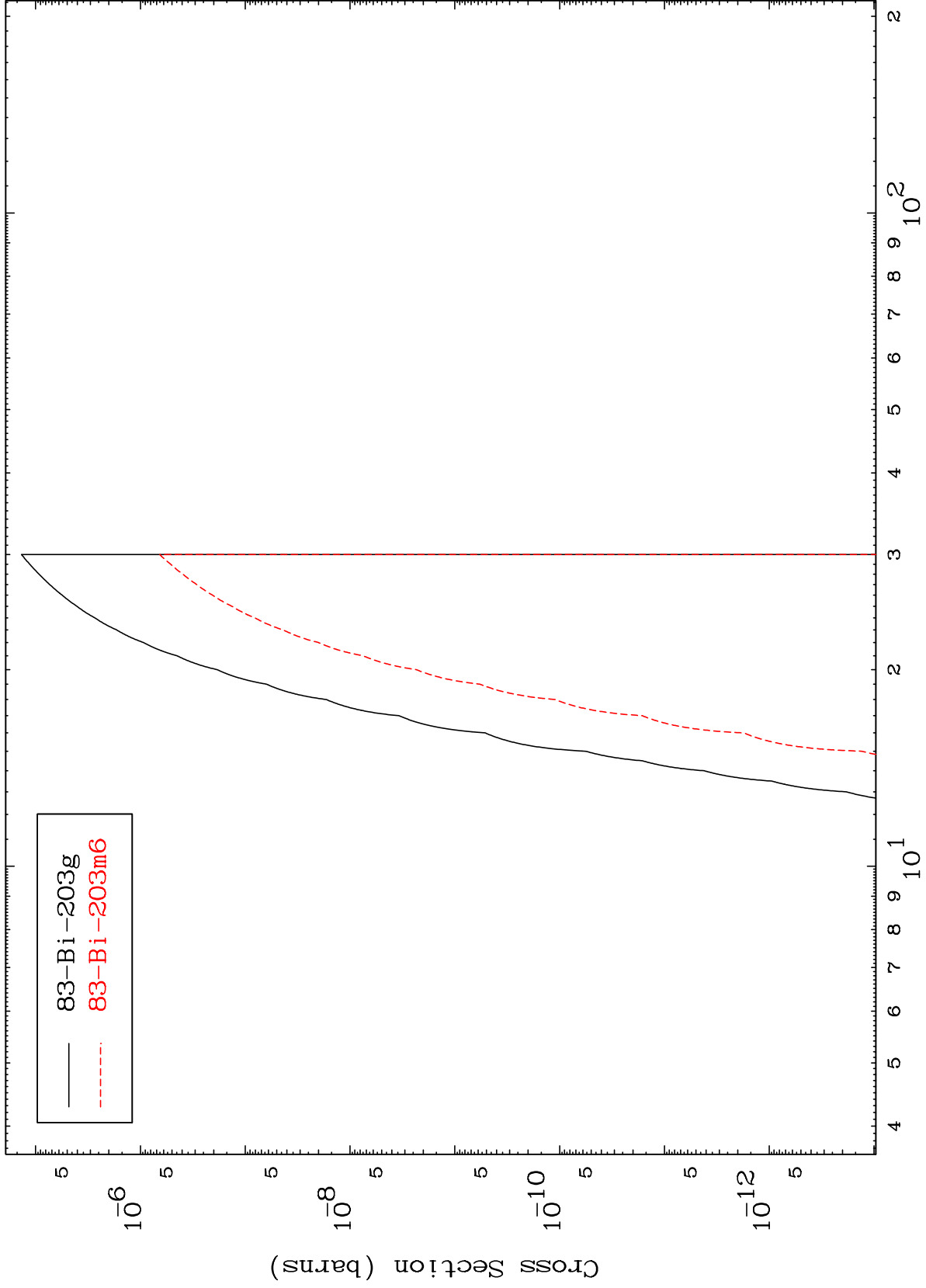
85-At-205

MAT 8531

(n,p) d

85-At-205

Radionuclide Production Cross Section



76

Incident Energy (MeV)

85-At-205