

Program EVALPLOT  
(Version 2021-1)

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

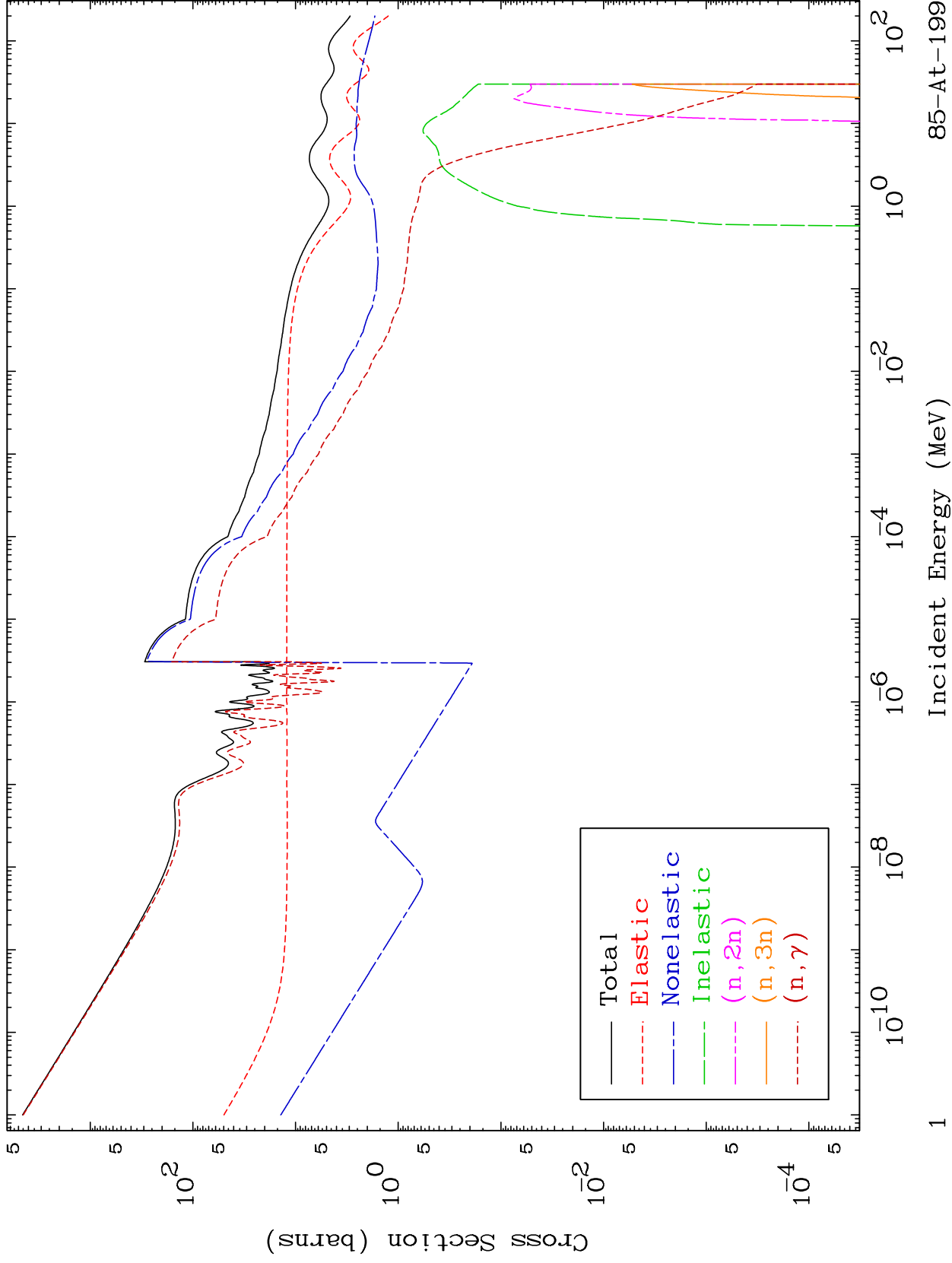
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Press Mouse Button to Start

MAT 8513

Neutron Major  
293 Kelvin Cross Sections

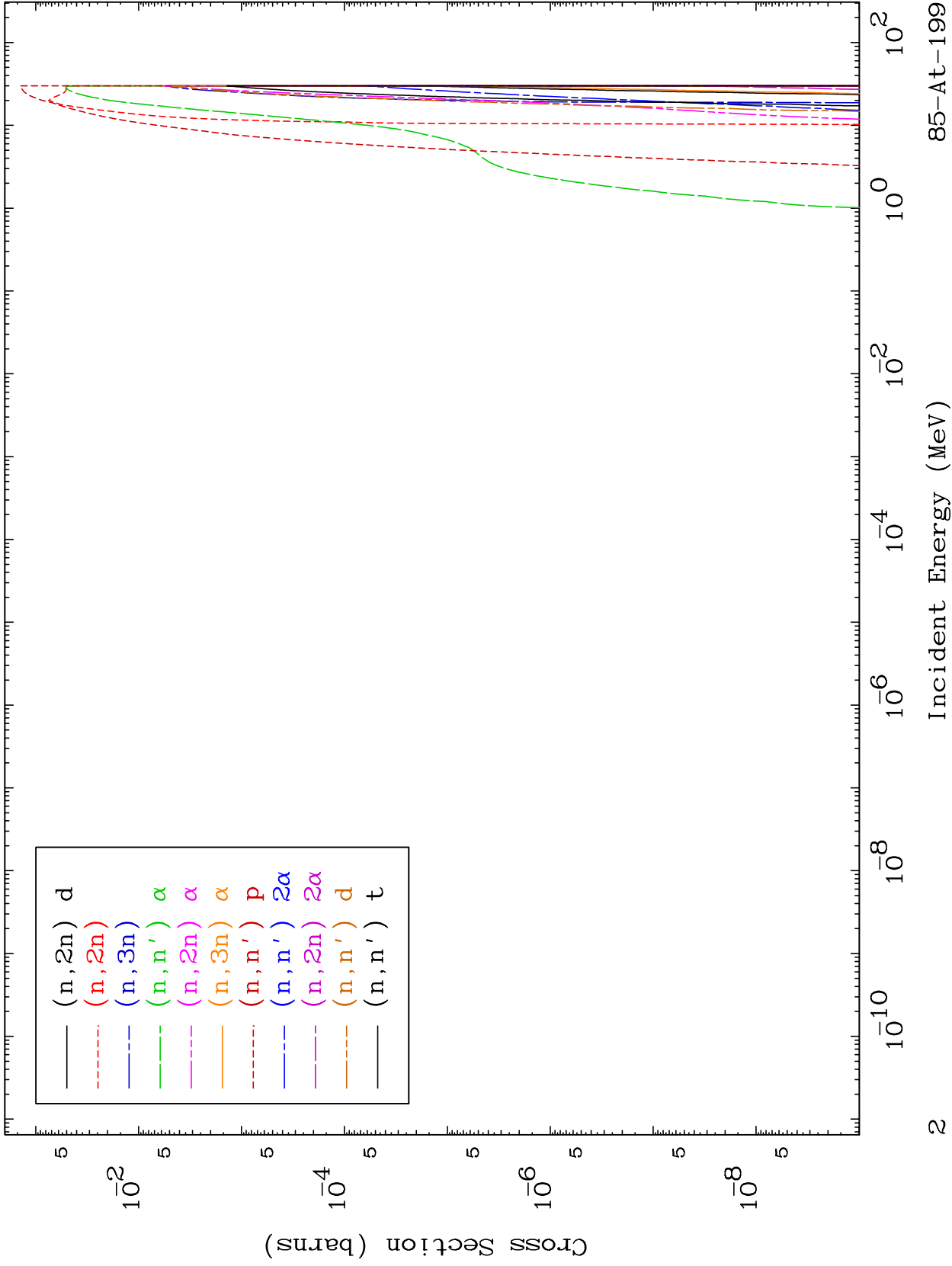
85-At-199



MAT 8513

Neutron Absorption  
293 Kelvin Cross Sections

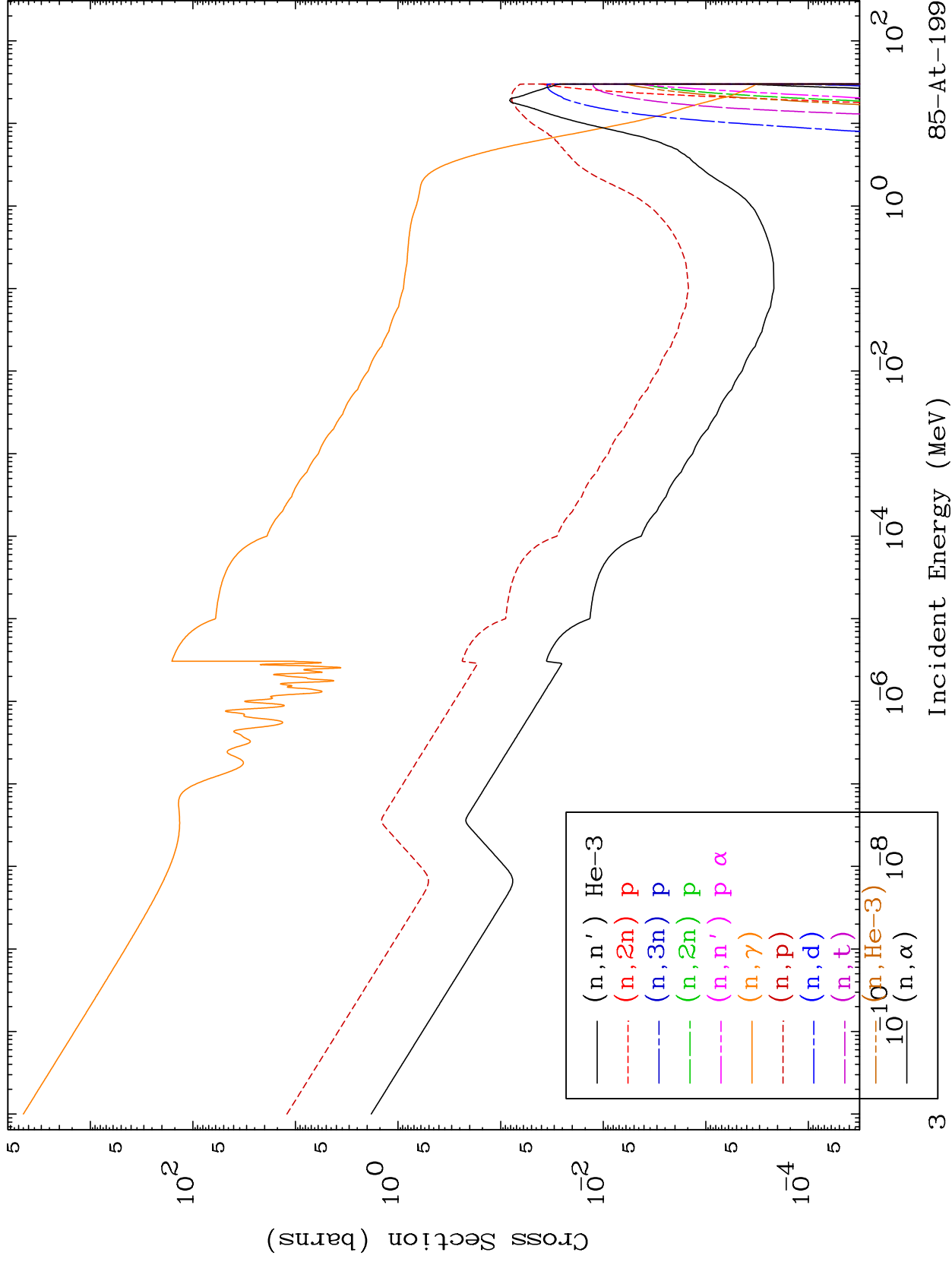
85-At-199



MAT 8513

Neutron Absorption  
293 Kelvin Cross Sections

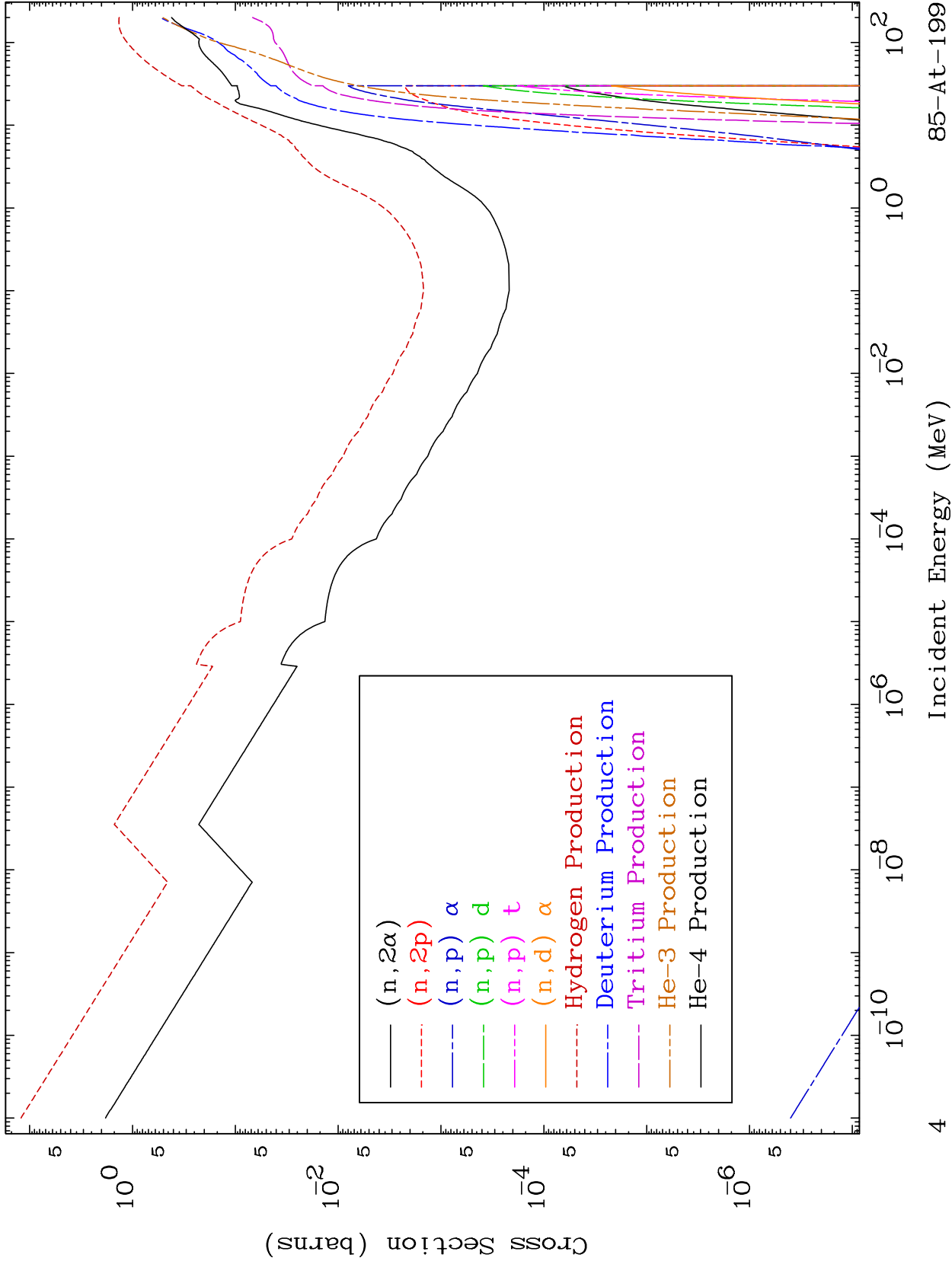
85-At-199



MAT 8513

Neutron Absorption  
293 Kelvin Cross Sections

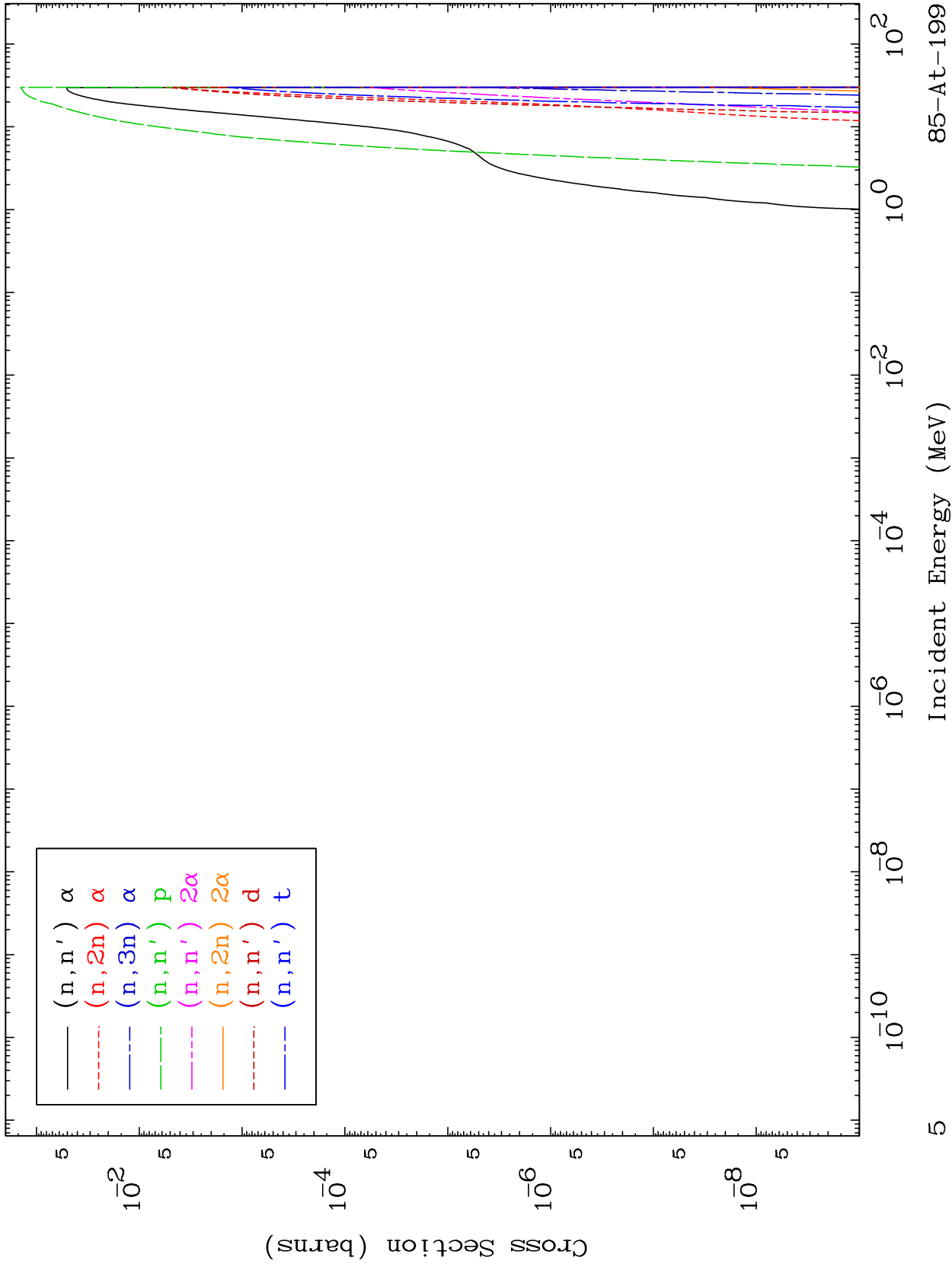
85-At-199



MAT 8513

Charged Particle  
293 Kelvin Cross Sections

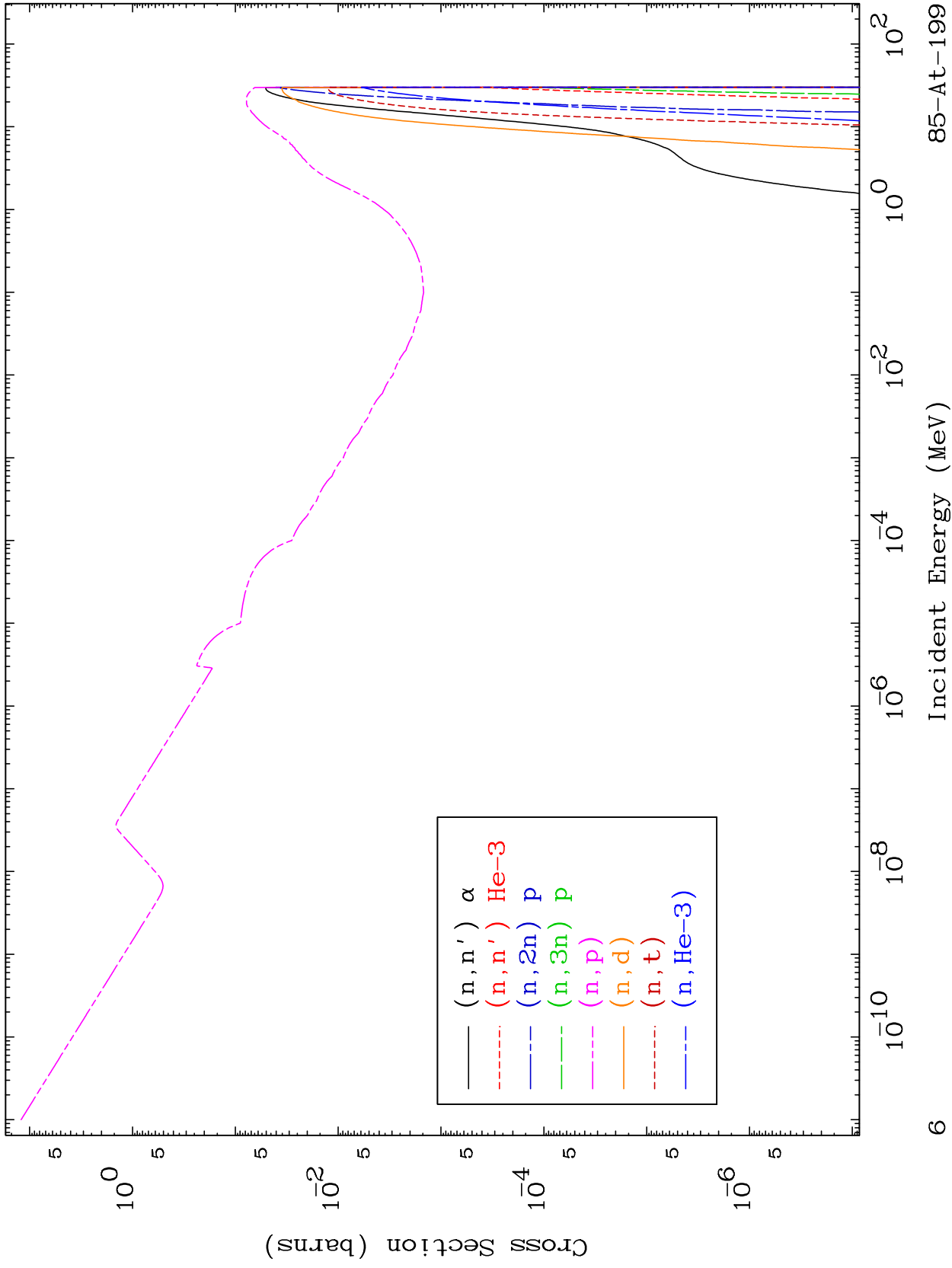
85-At-199



MAT 8513

Charged Particle  
293 Kelvin Cross Sections

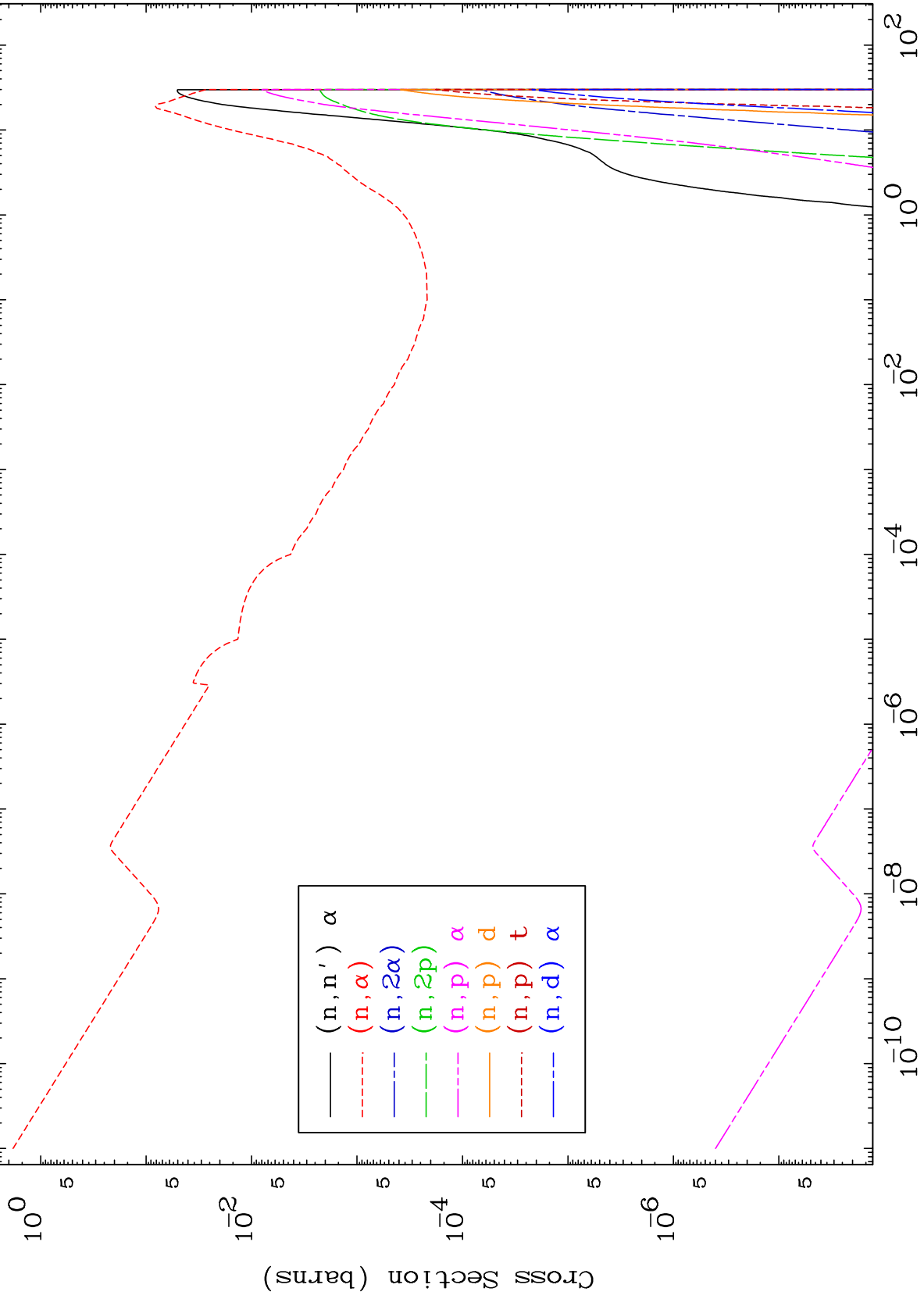
85-At-199



MAT 8513

Charged Particle  
293 Kelvin Cross Sections

85-At-199

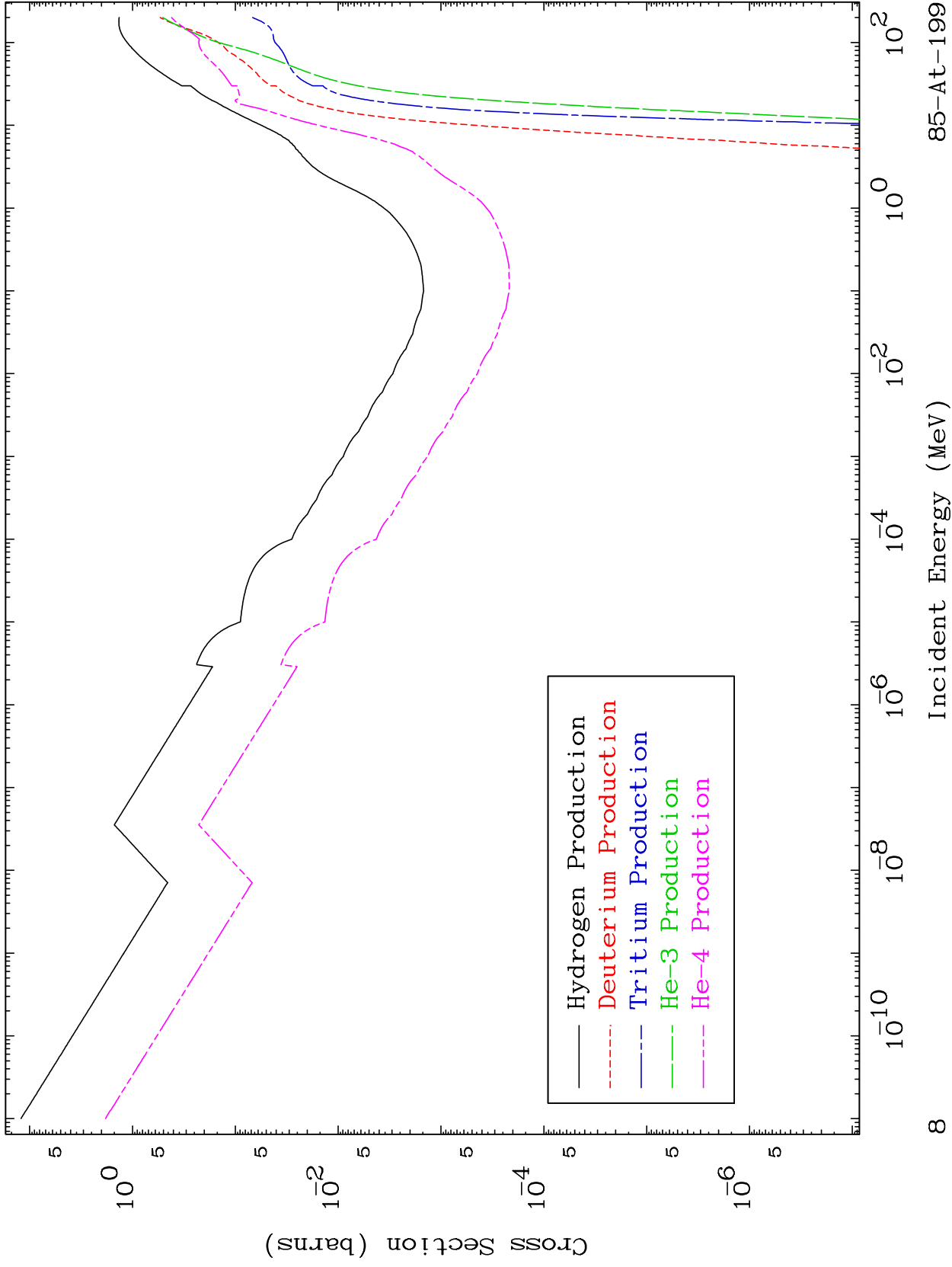




MAT 8513

Particle Production  
293 Kelvin Cross Sections

85-At-199

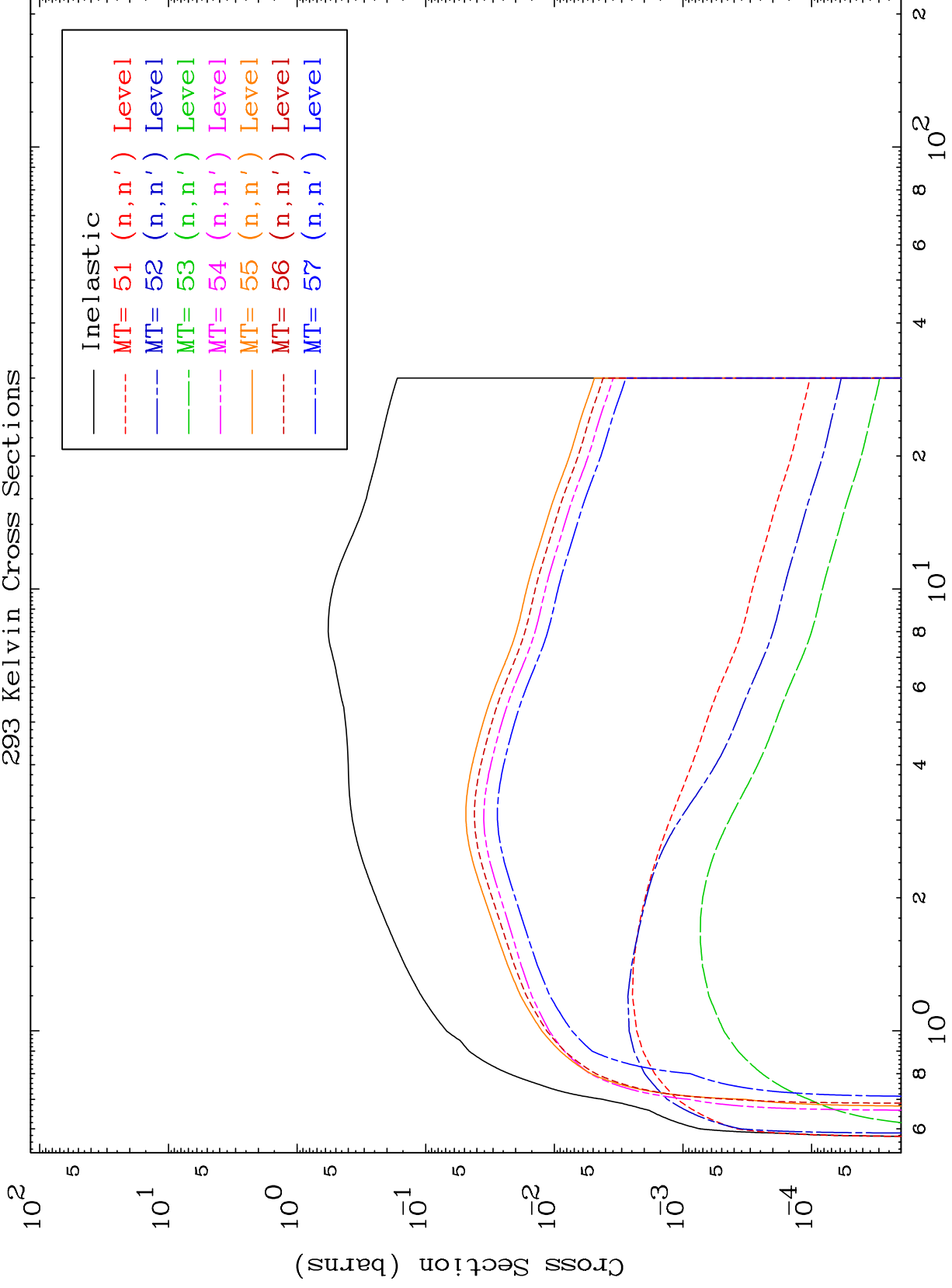


MAT 8513

(n,n') Levels

293 Kelvin Cross Sections

85-At-199



9

Incident Energy (MeV)

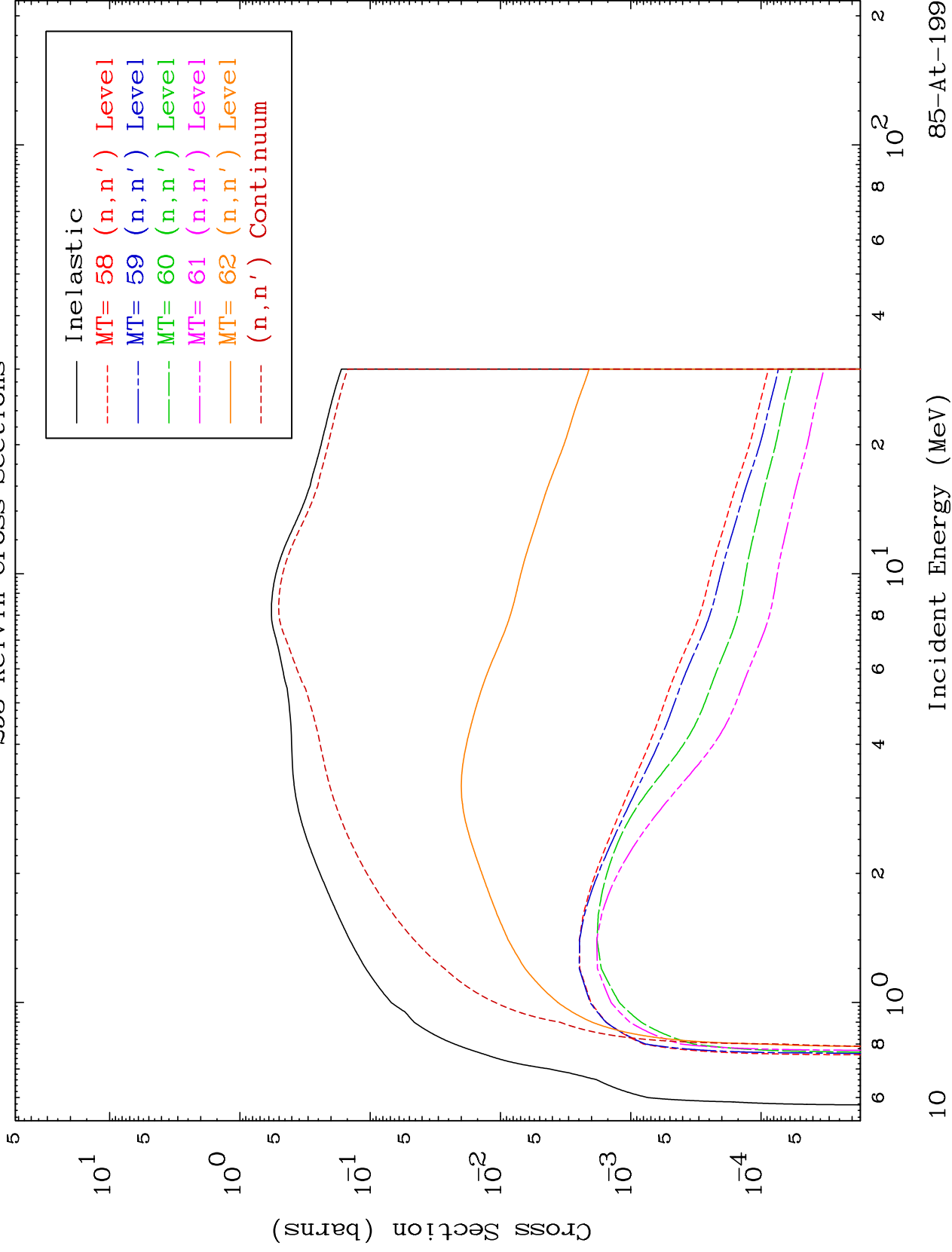
85-At-199

MAT 8513

(n,n') Levels

85-At-199

293 Kelvin Cross Sections



85-At-199

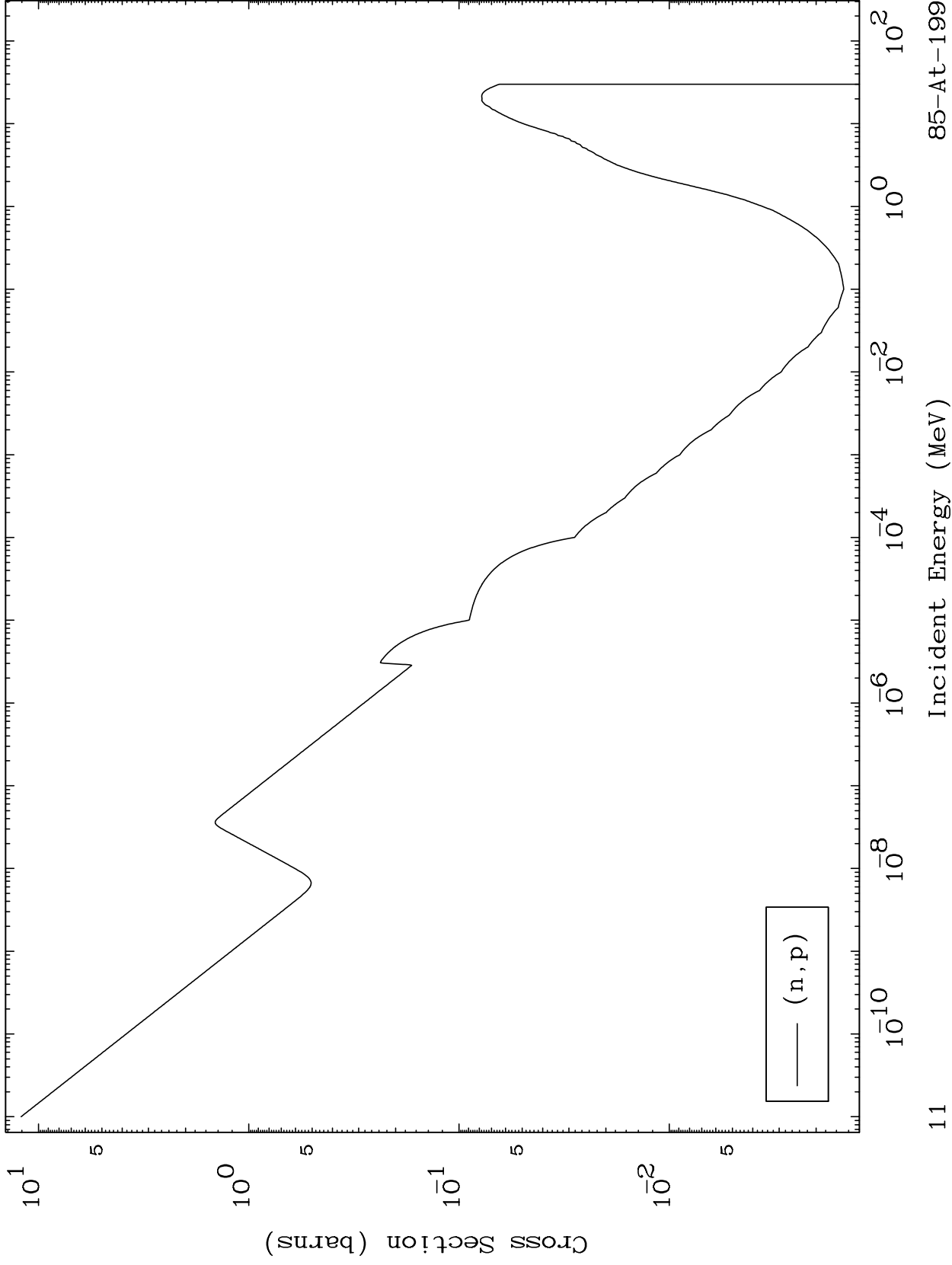
Incident Energy (MeV)

10

MAT 8513

(n,p) Levels  
293 Kelvin Cross Sections

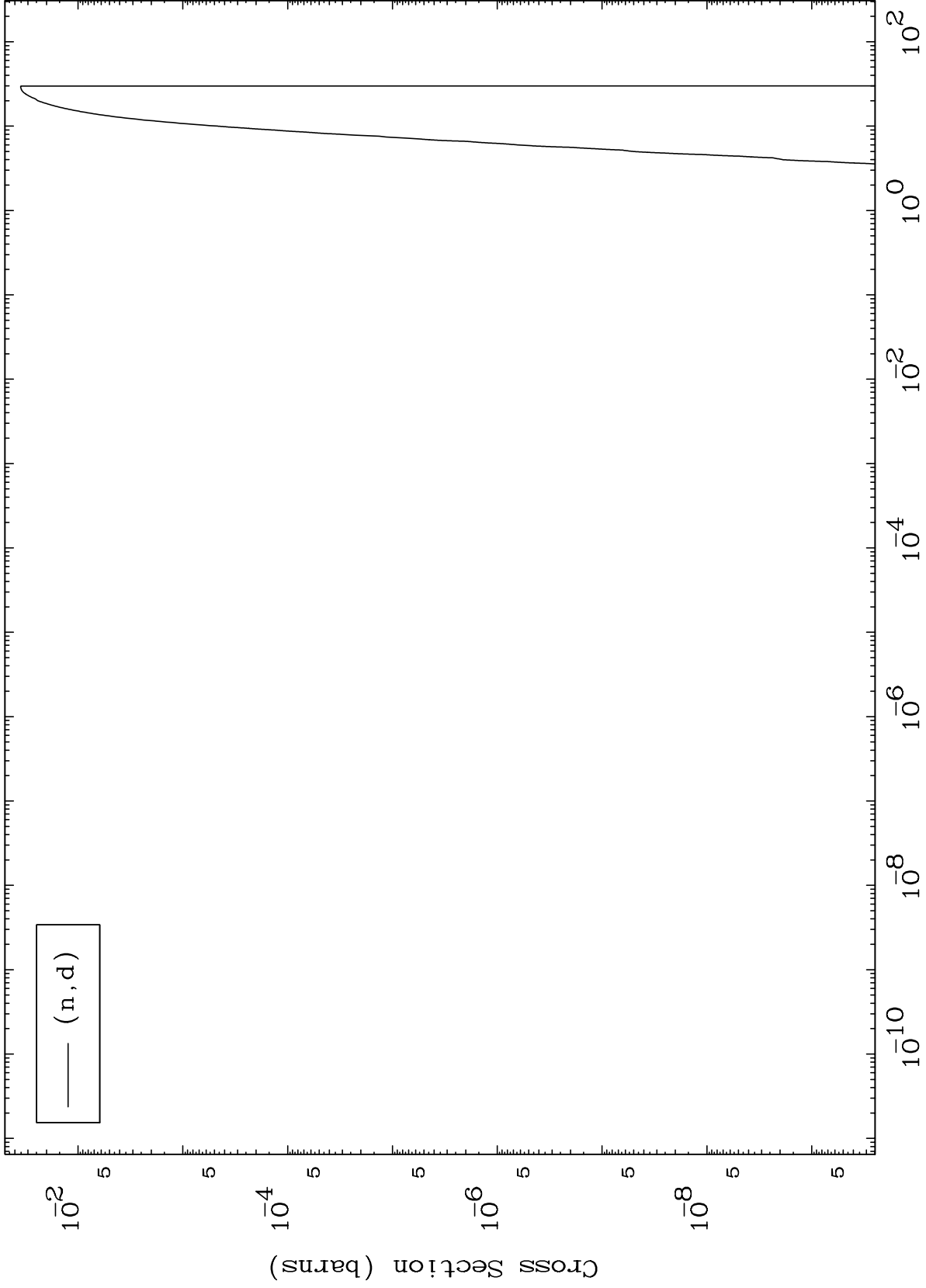
85-At-199



MAT 8513

(n,d) Levels  
293 Kelvin Cross Sections

85-At-199



12

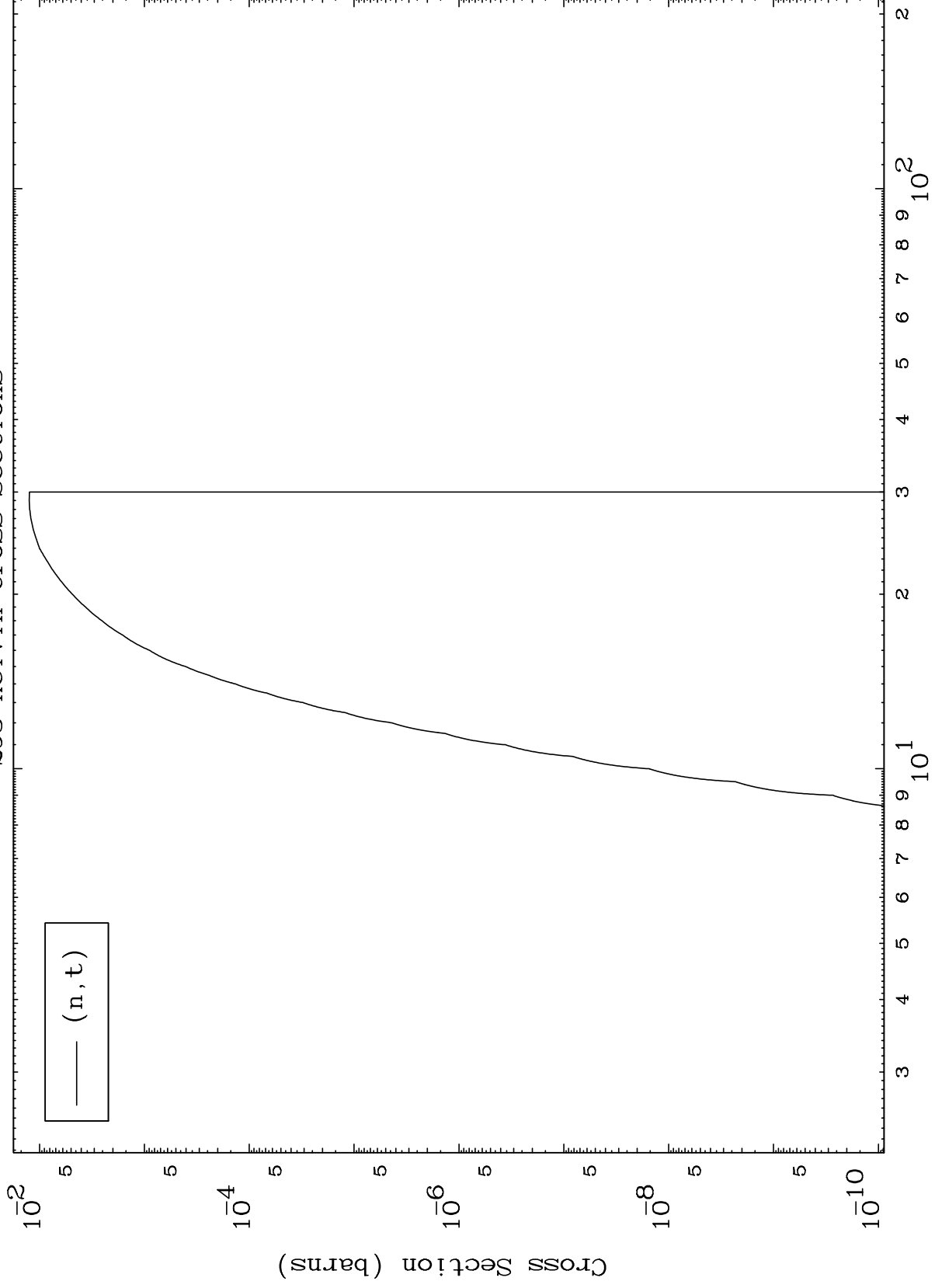
Incident Energy (MeV)

85-At-199

MAT 8513

(n,t) Levels  
293 Kelvin Cross Sections

85-At-199



13

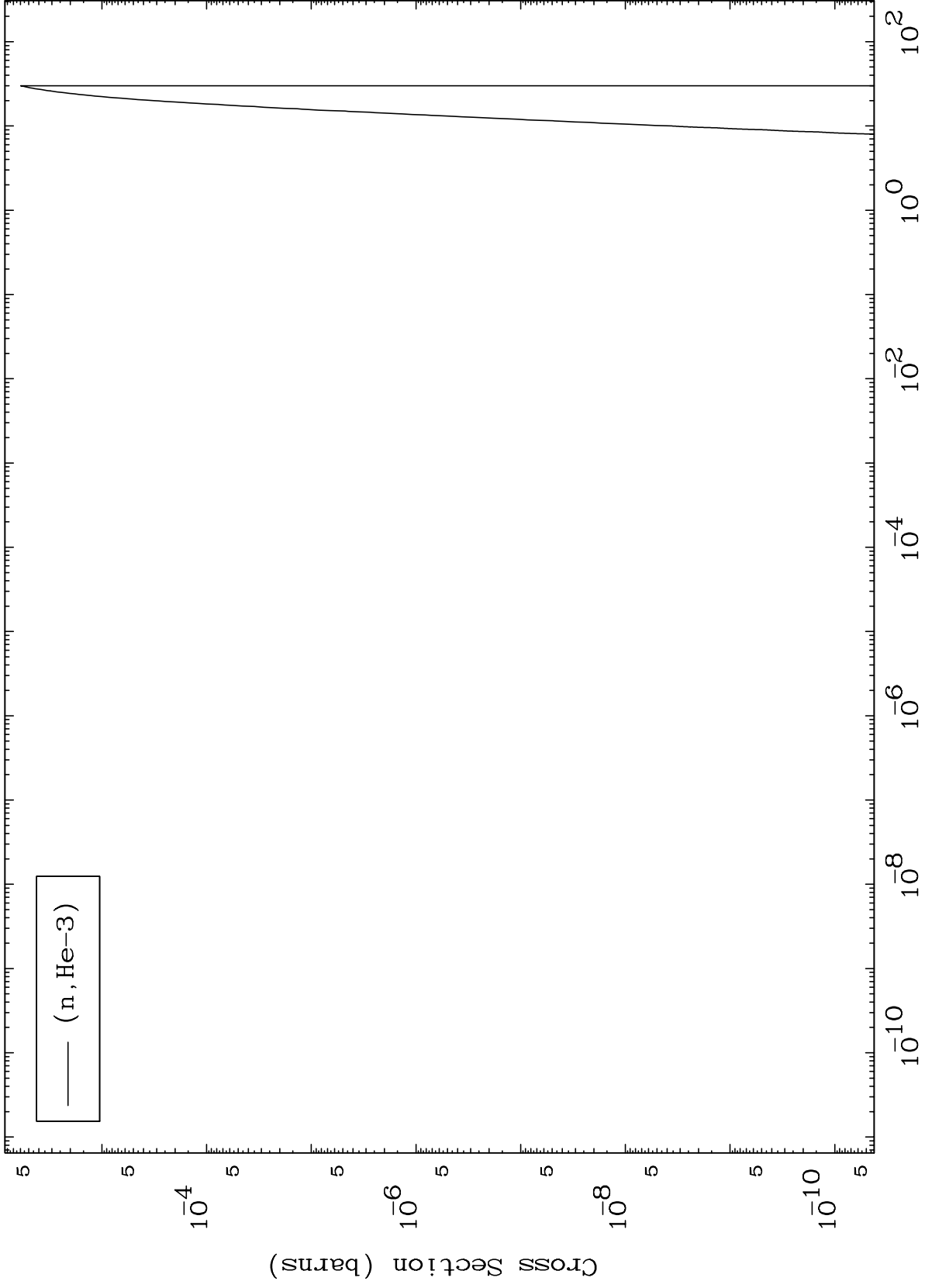
Incident Energy (MeV)

85-At-199

MAT 8513

(n,He3) Levels  
293 Kelvin Cross Sections

85-At-199

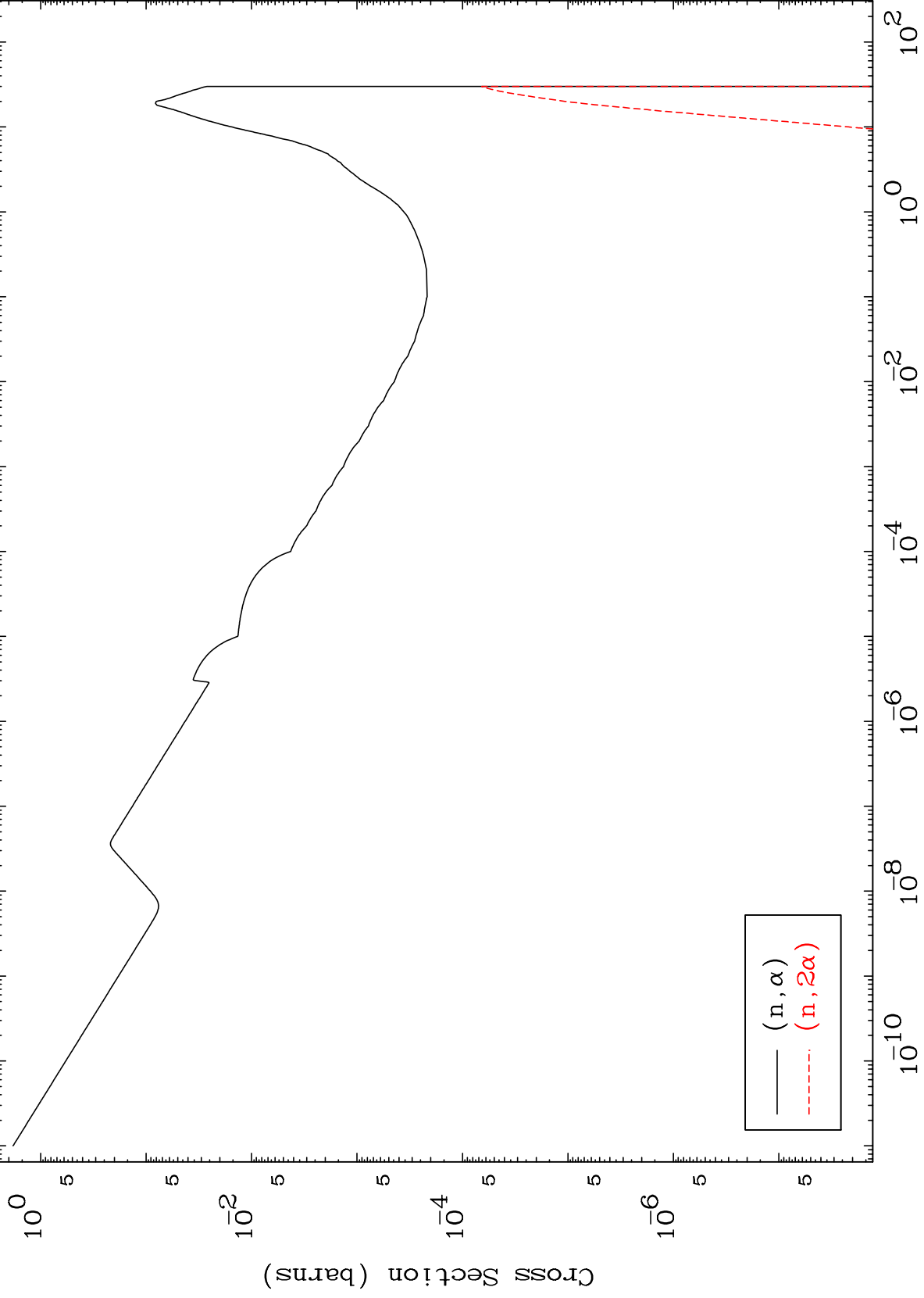


(n, He-3)

MAT 8513

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

85-At-199



15

Incident Energy (MeV)

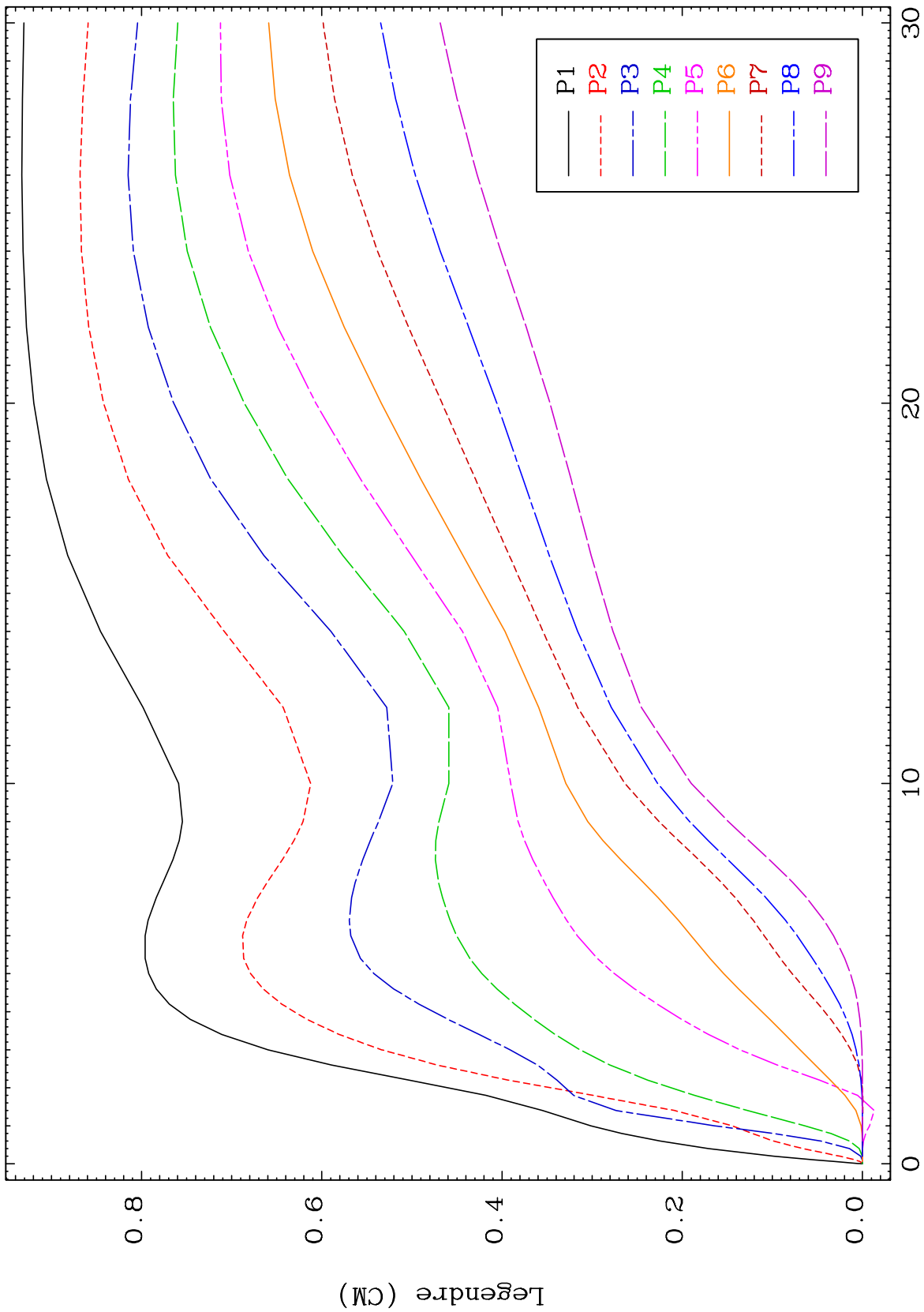
85-At-199



MAT 8513

85-At-199

Elastic Legendre Coefficients



85-At-199

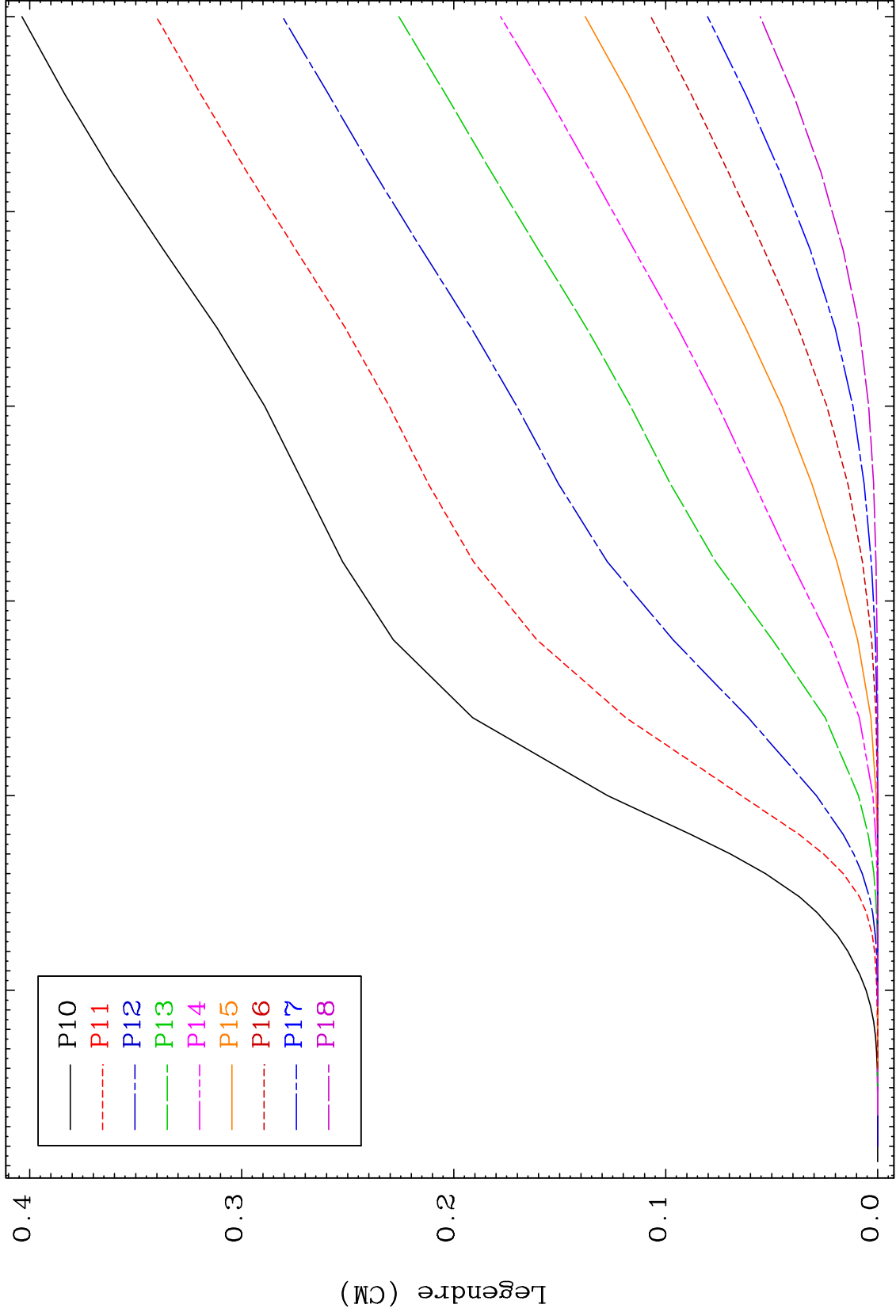
Incident Energy (MeV)

16

MAT 8513

Elastic Legendre Coefficients

85-At-199



17

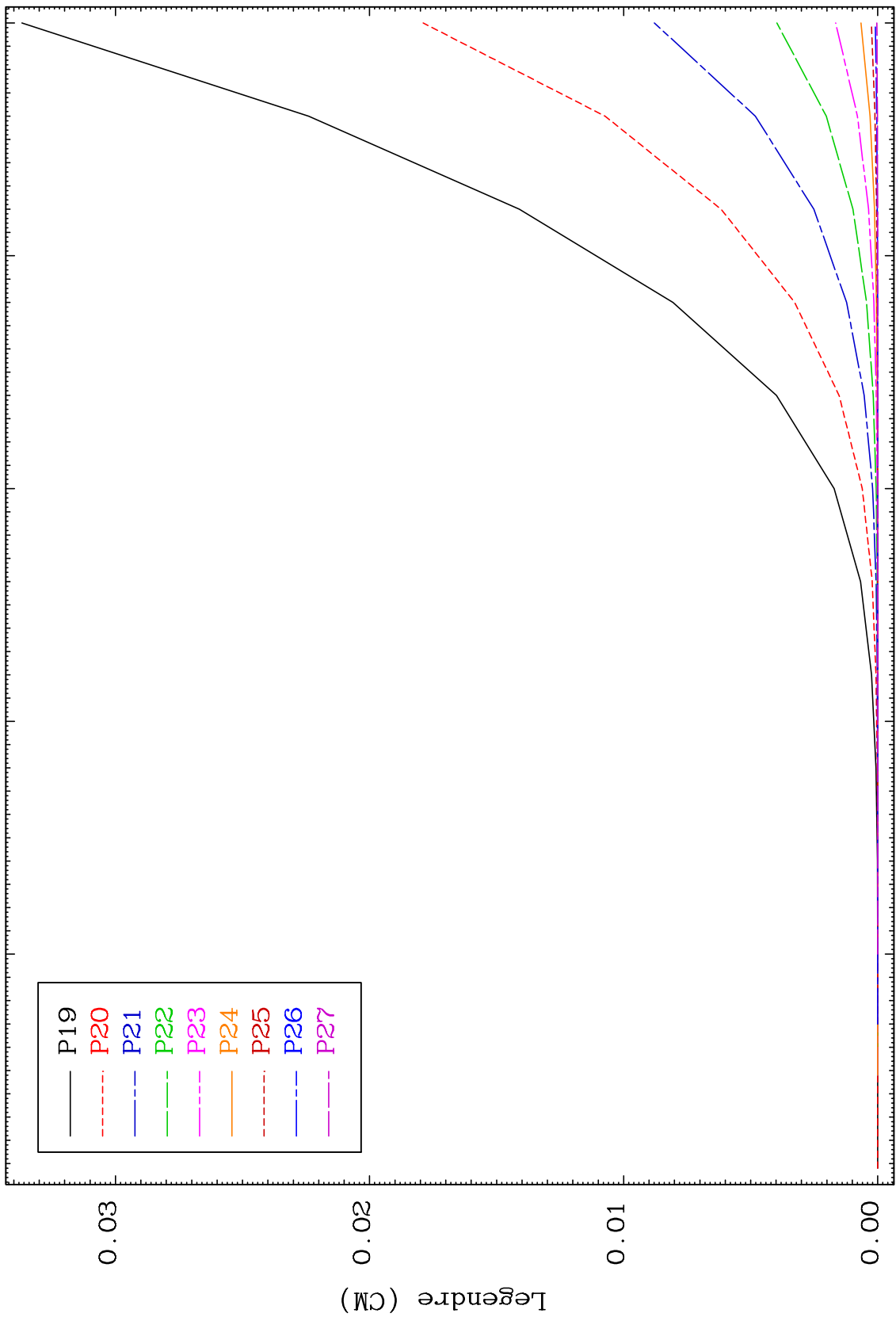
Incident Energy (MeV)

85-At-199

MAT 8513

Elastic Legendre Coefficients

85-At-199



18

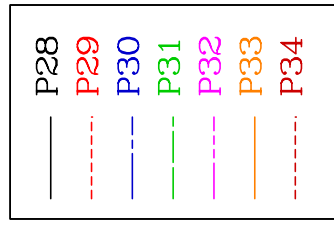
Incident Energy (MeV)

85-At-199

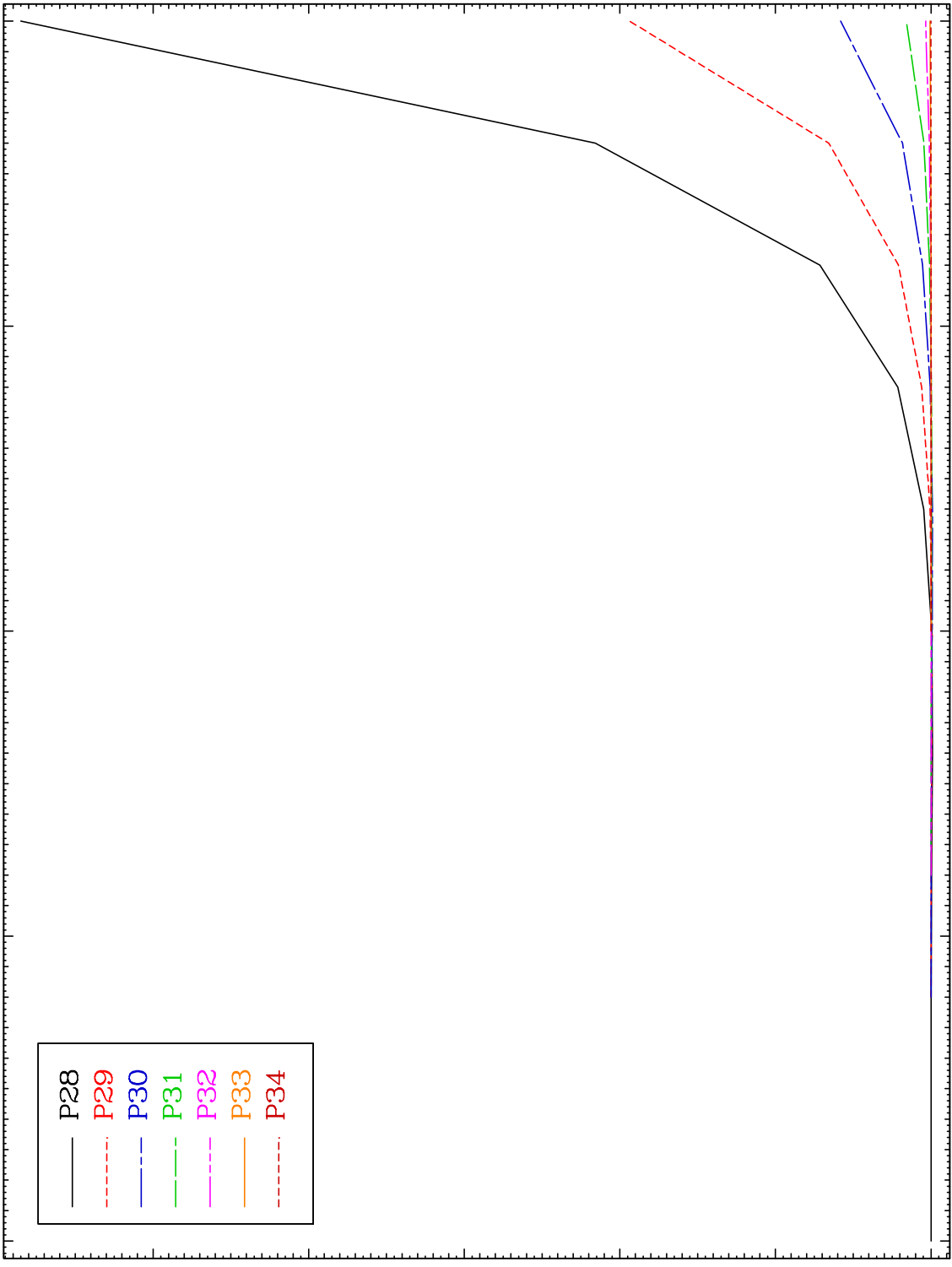
MAT 8513

Elastic Legendre Coefficients

85-At-199



$\times 10^{-5}$   
1.0  
0.8  
0.6  
0.4  
0.2  
0.0

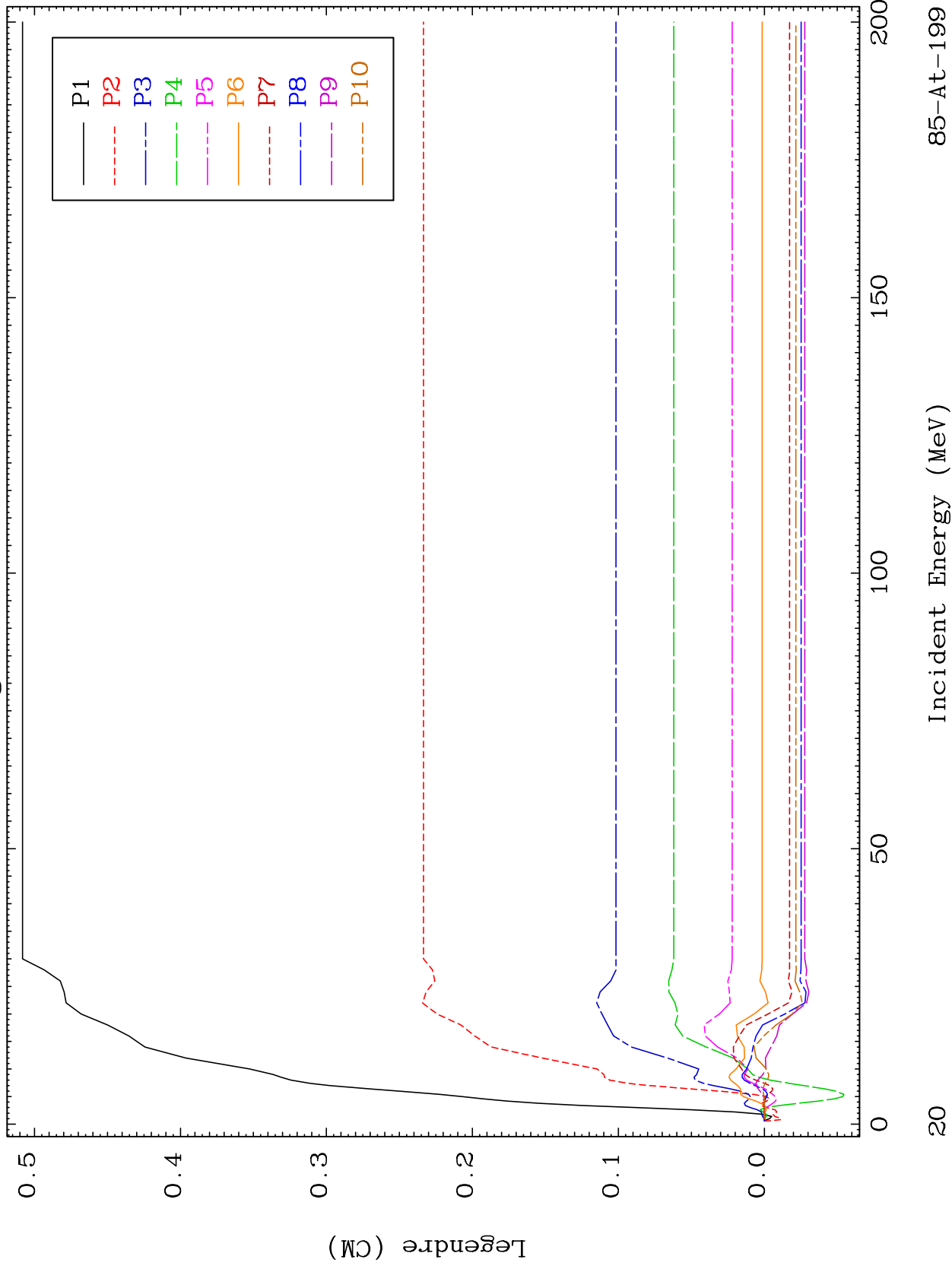


10 15 20 25 30  
Incident Energy (MeV)  
85-At-199

MAT 8513

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

85-At-199

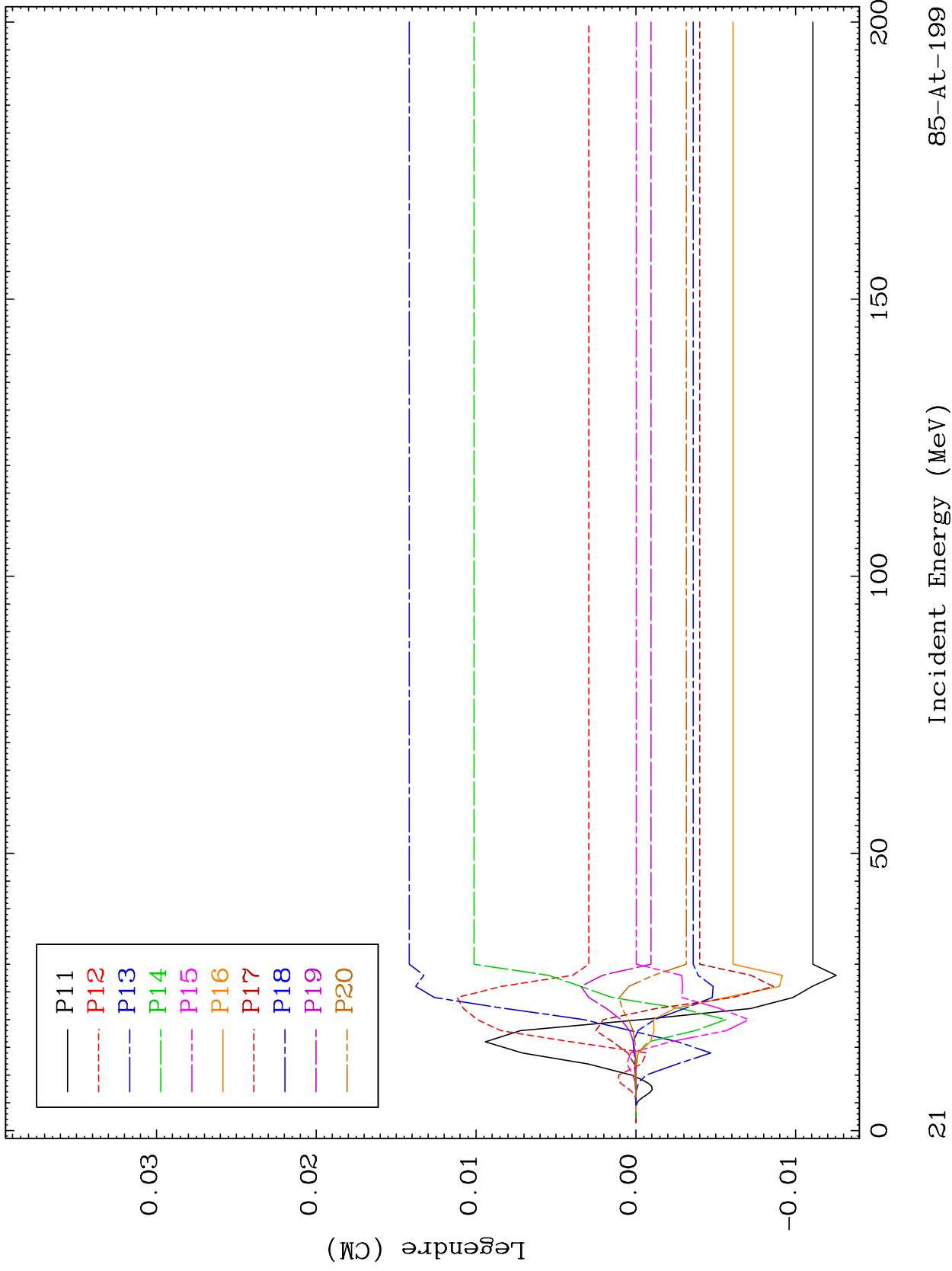


85-At-199

MAT 8513

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

85-At-199



21

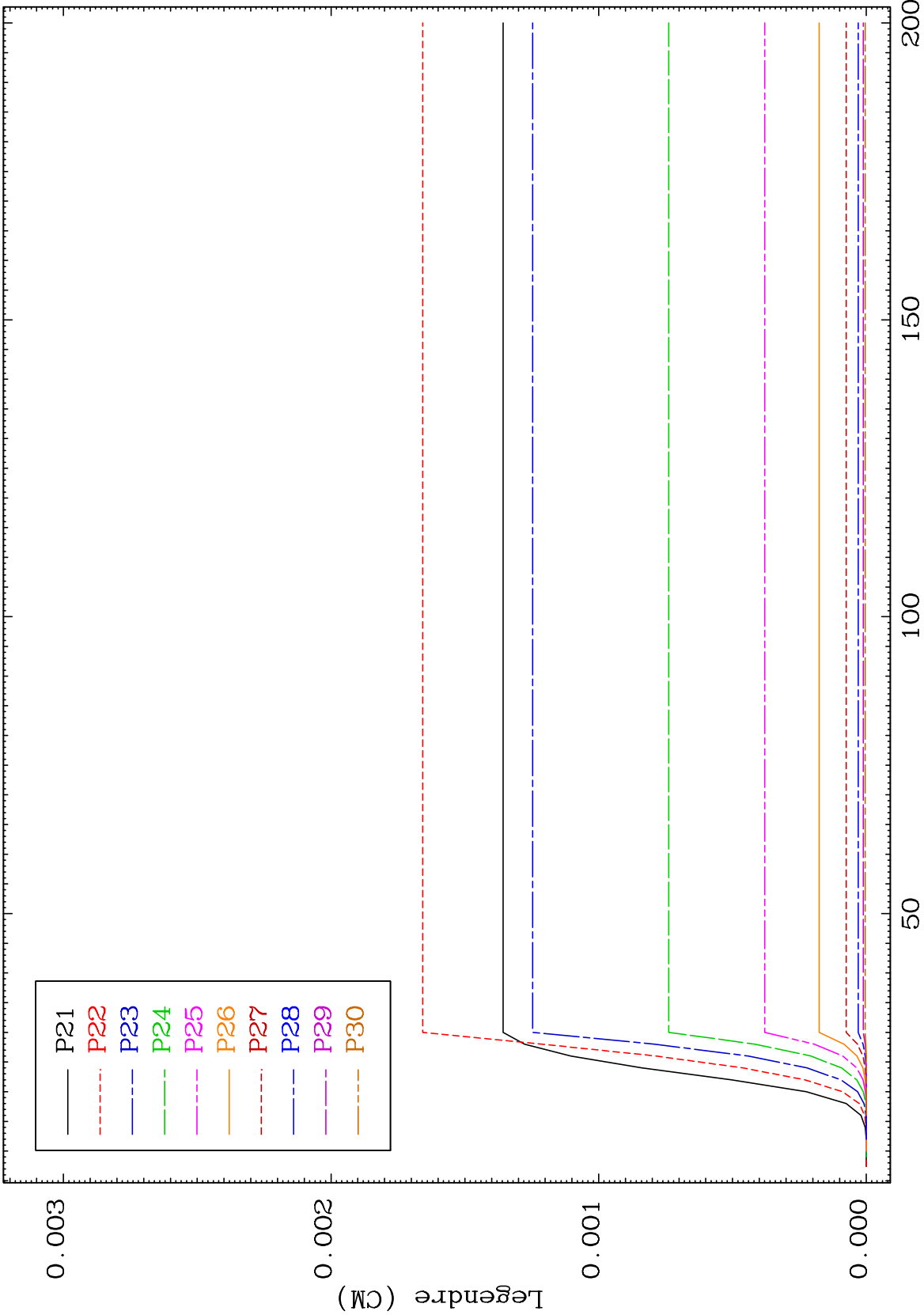
Incident Energy (MeV)

85-At-199

MAT 8513

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

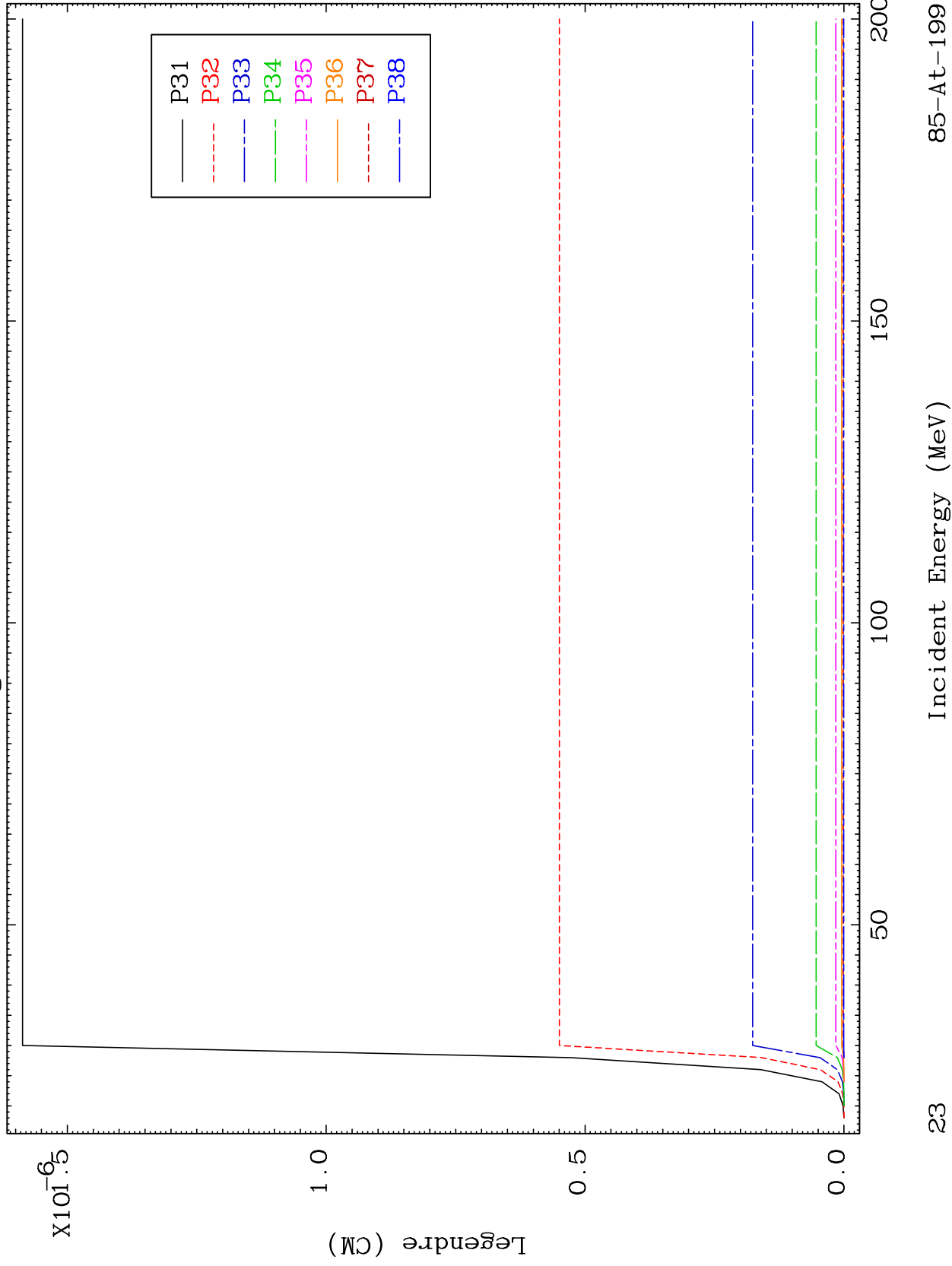
85-At-199



MAT 8513

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

85-At-199



23

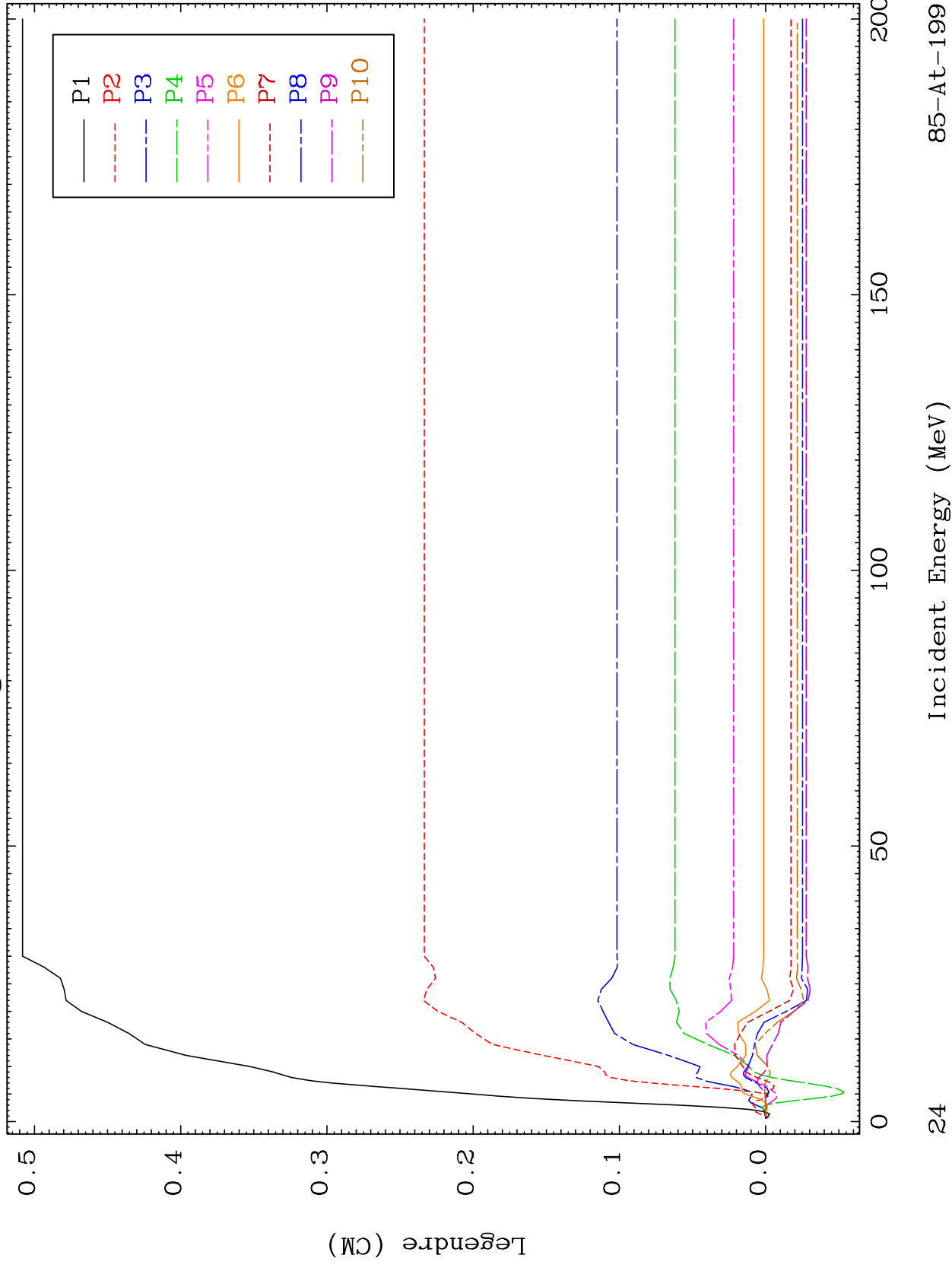
85-At-199



MAT 8513

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

85-At-199



24

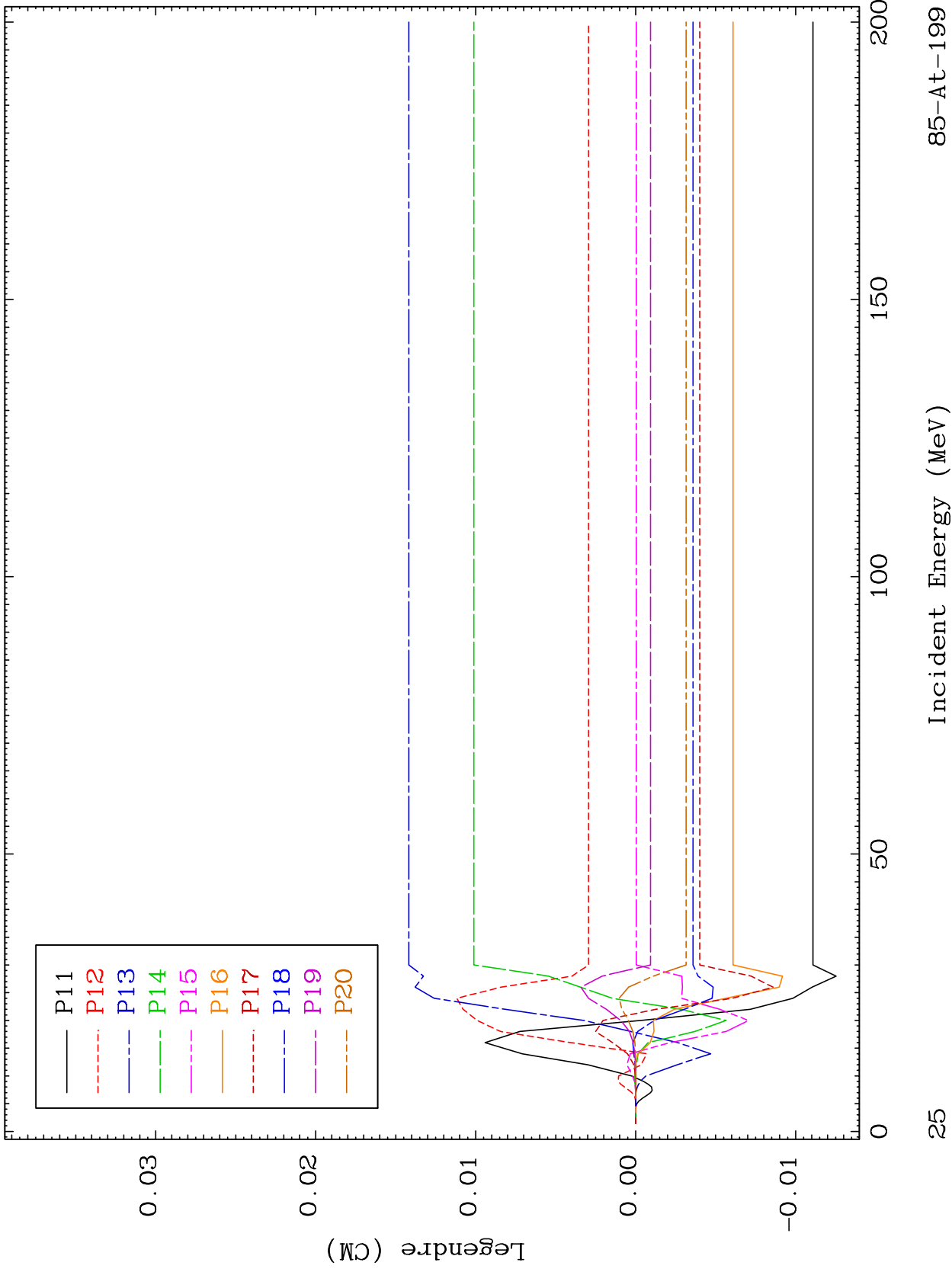
Incident Energy (MeV)

85-At-199

MAT 8513

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

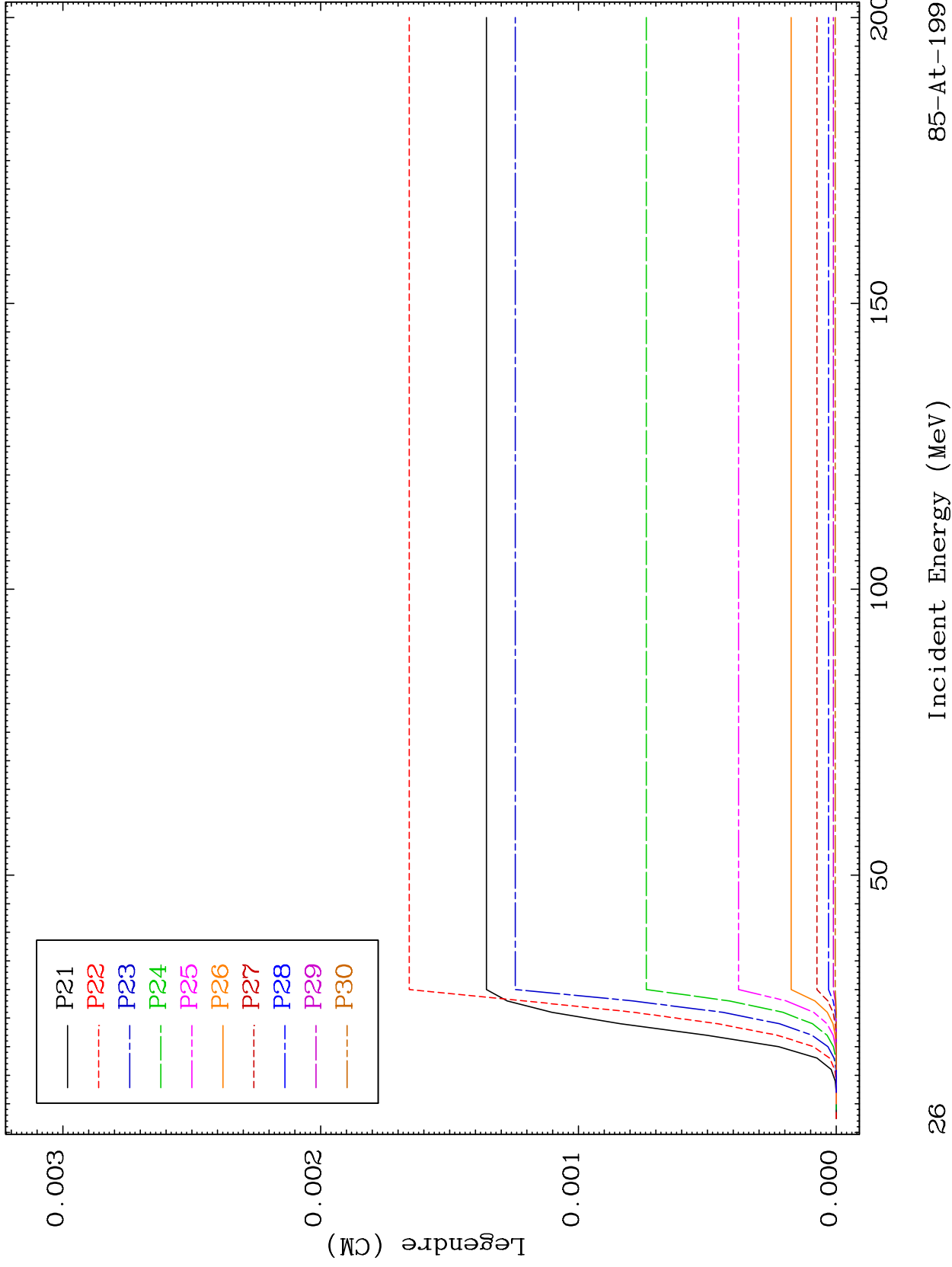
85-At-199



85-At-199

Incident Energy (MeV)

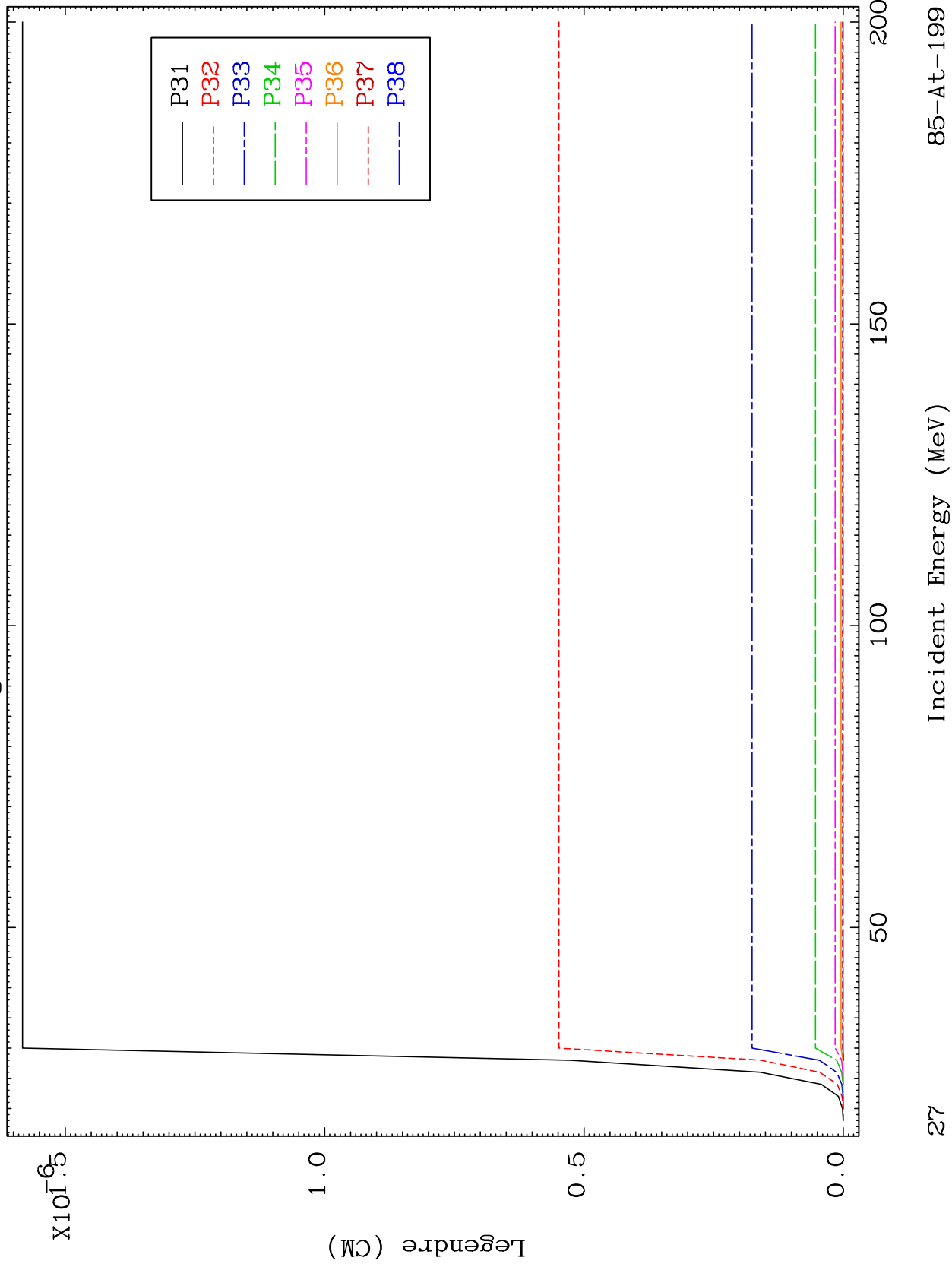
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MAT 8513

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

85-At-199



27

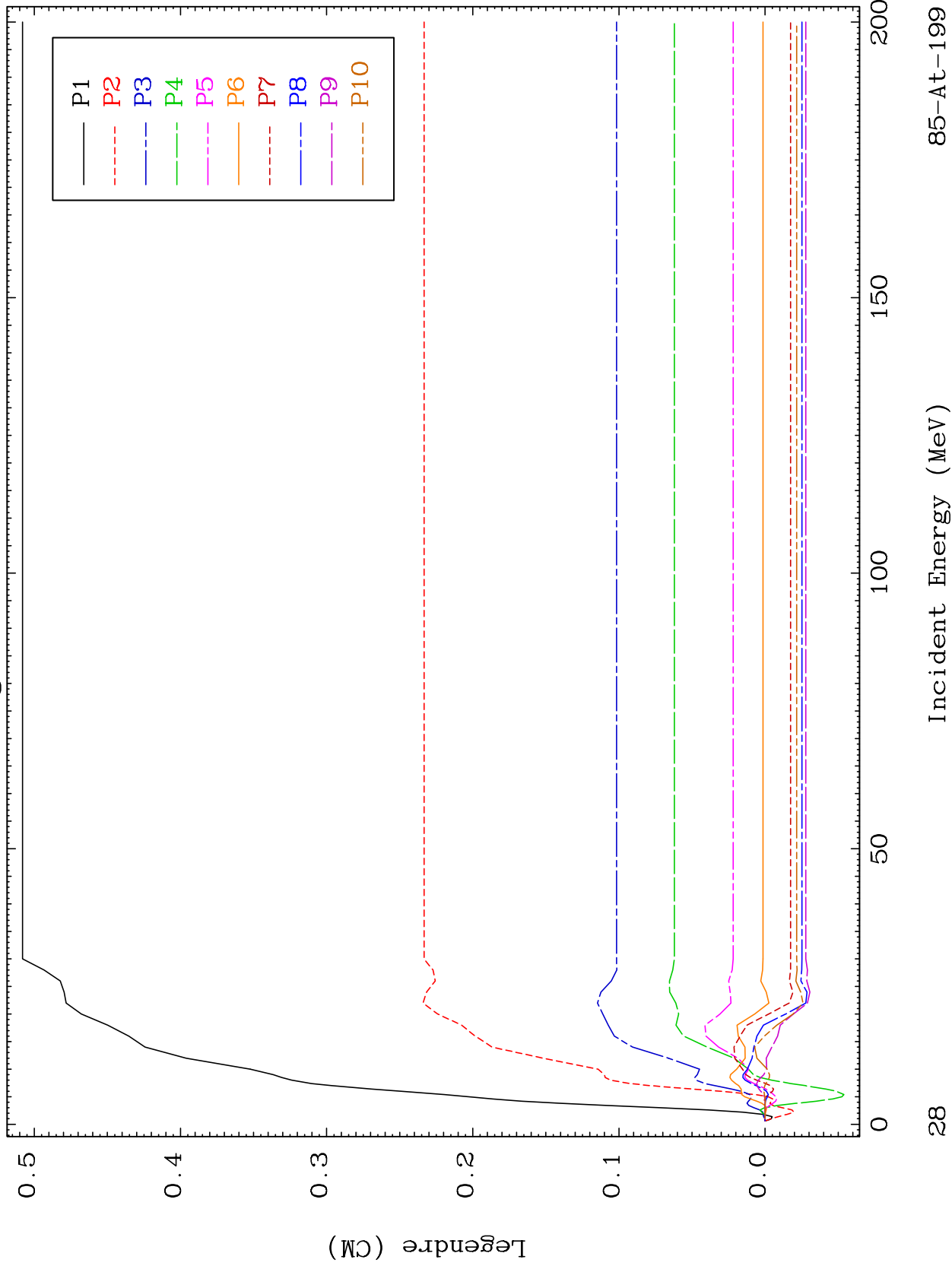
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



85-At-199

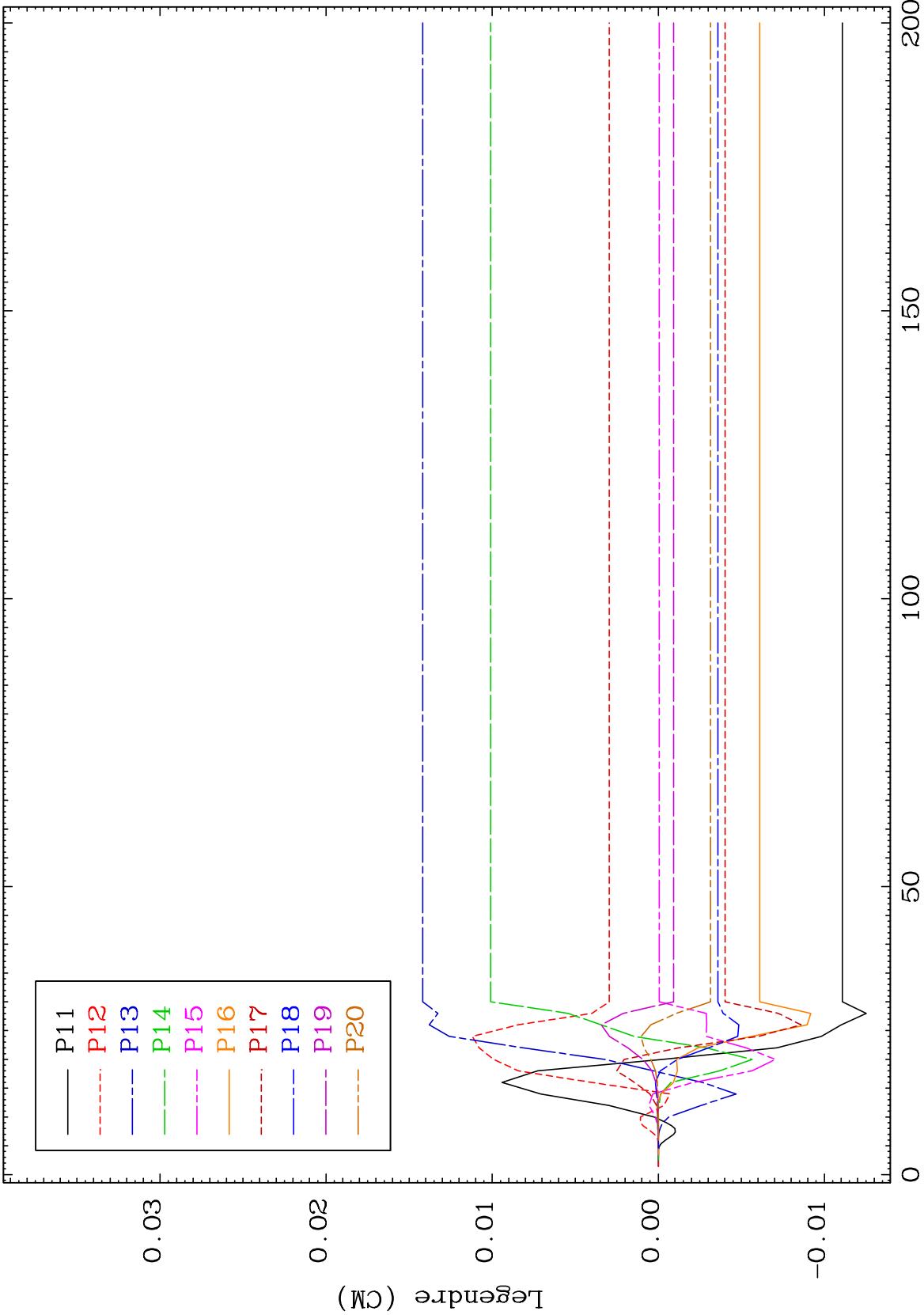
Incident Energy (MeV)

28

MAT 8513

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

85-At-199



29

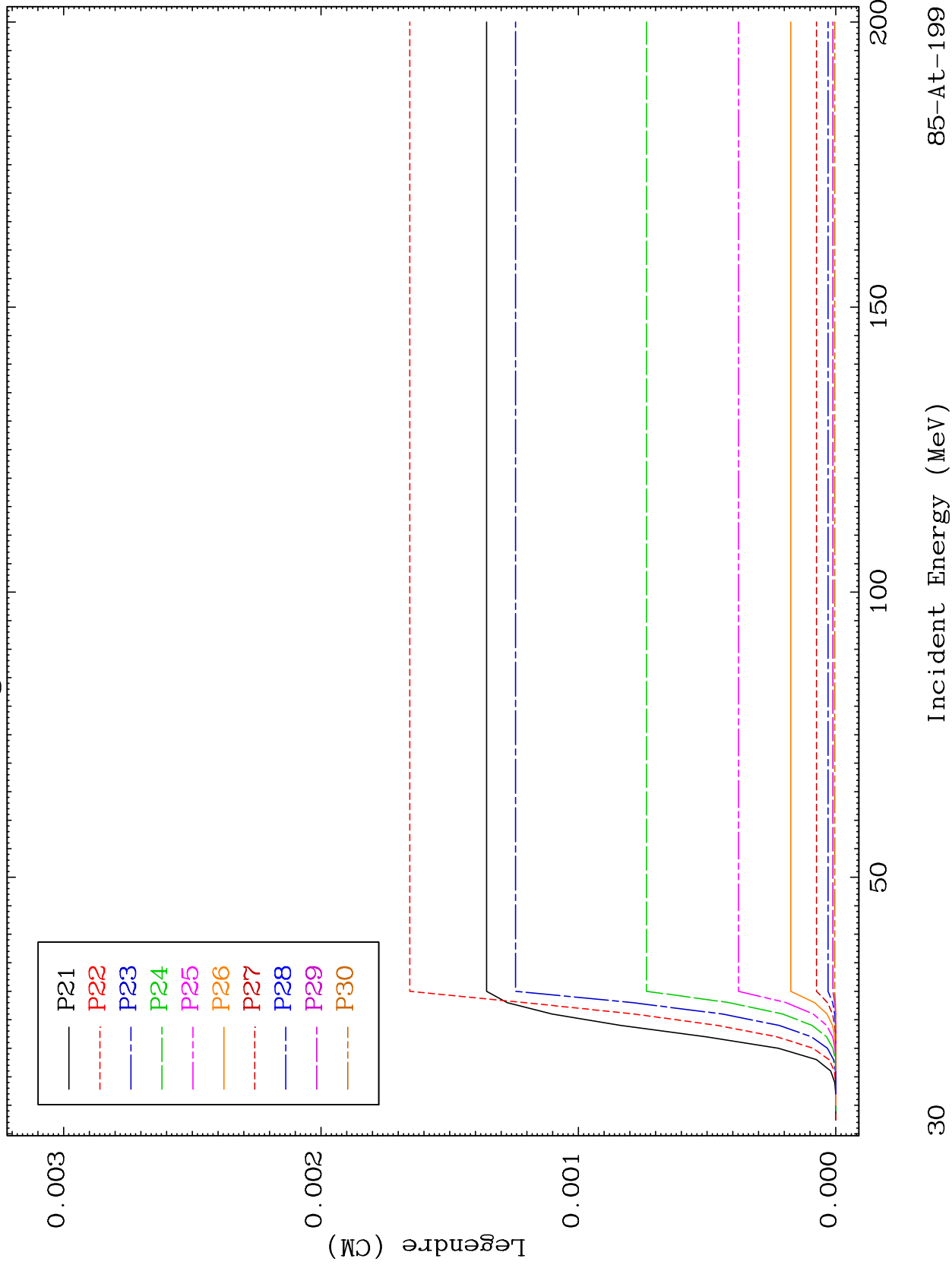
Incident Energy (MeV)

85-At-199

MAT 8513

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

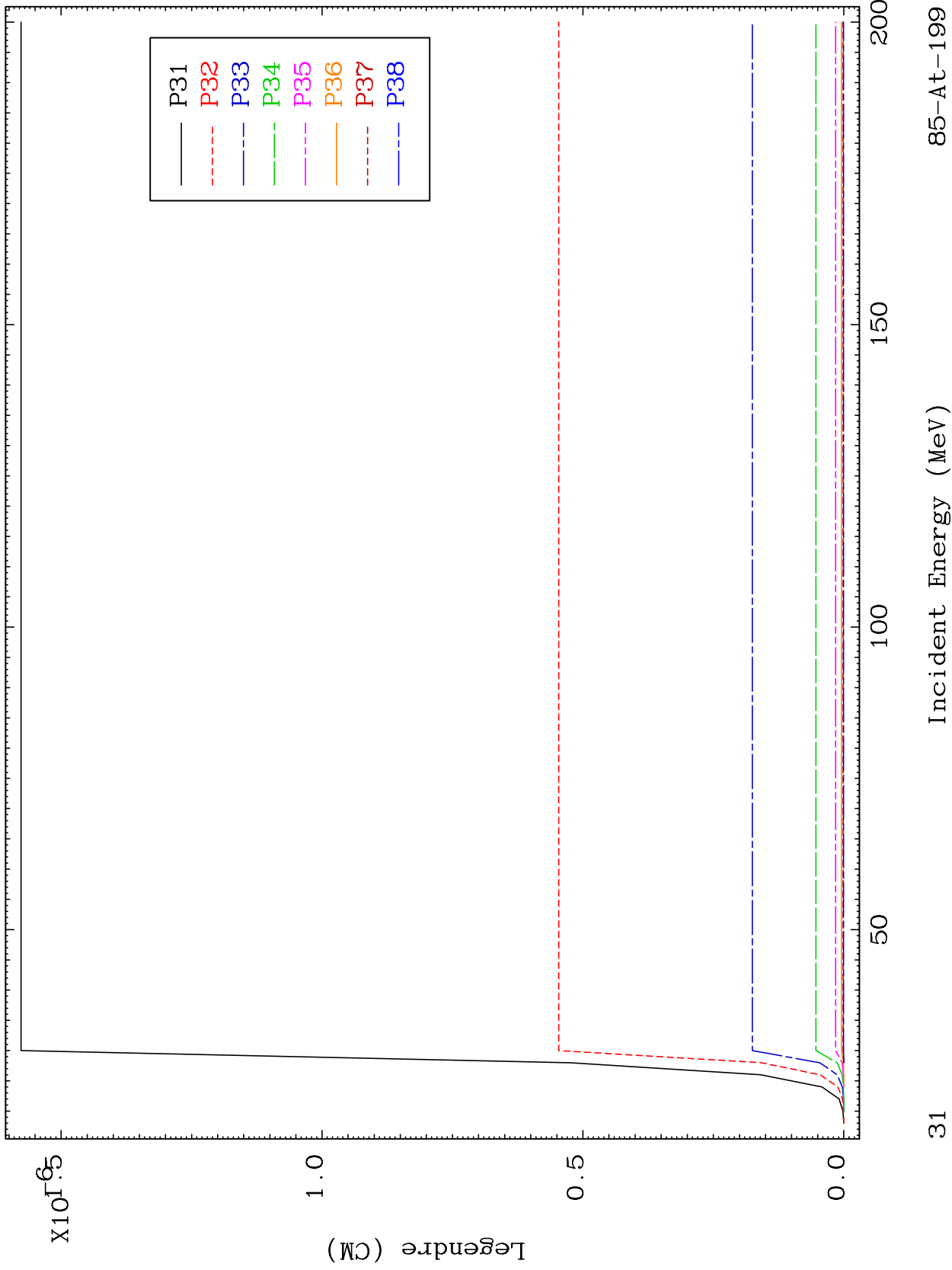
85-At-199



30

Incident Energy (MeV)

85-At-199

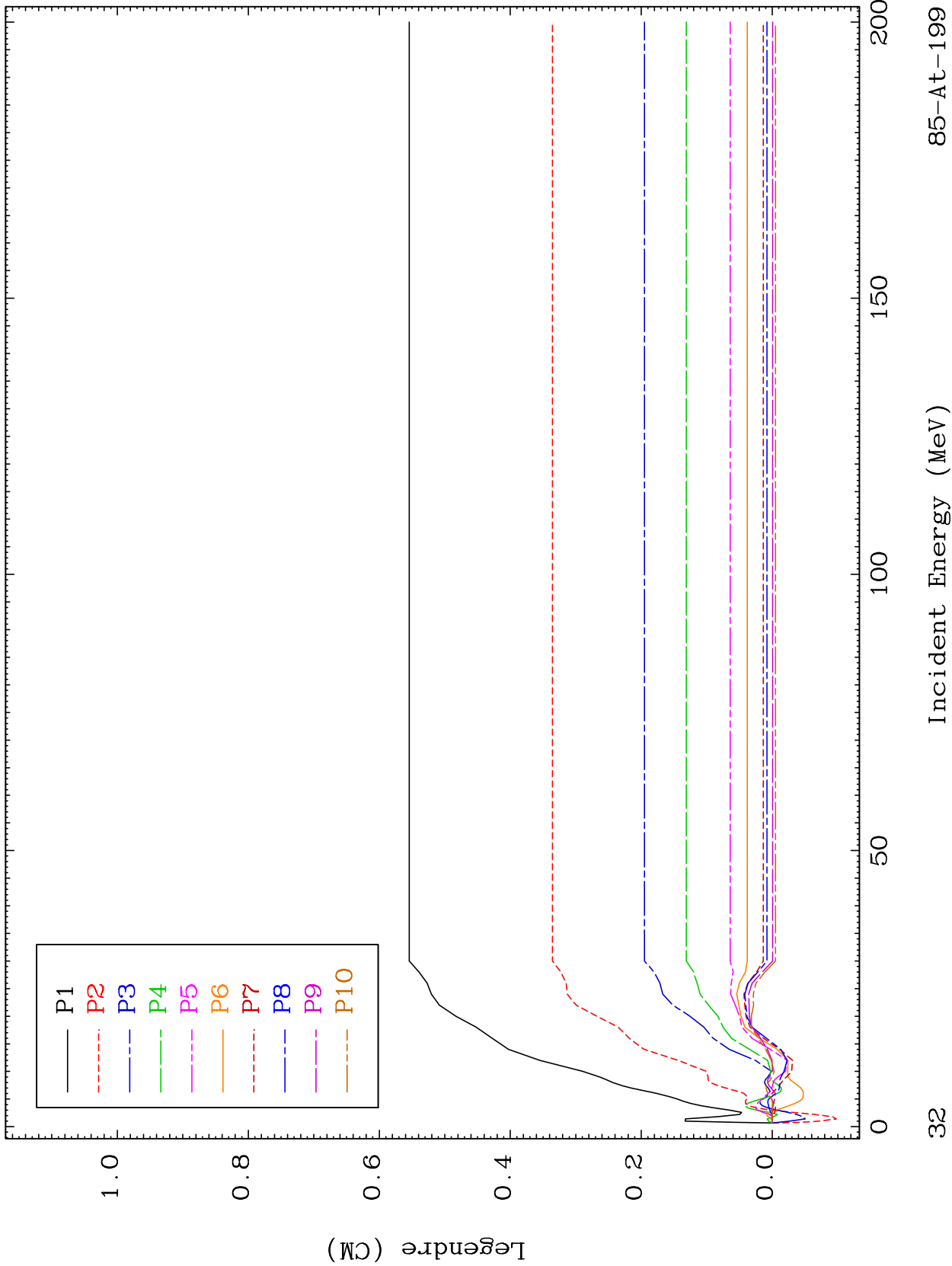




MAT 8513

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

85-At-199

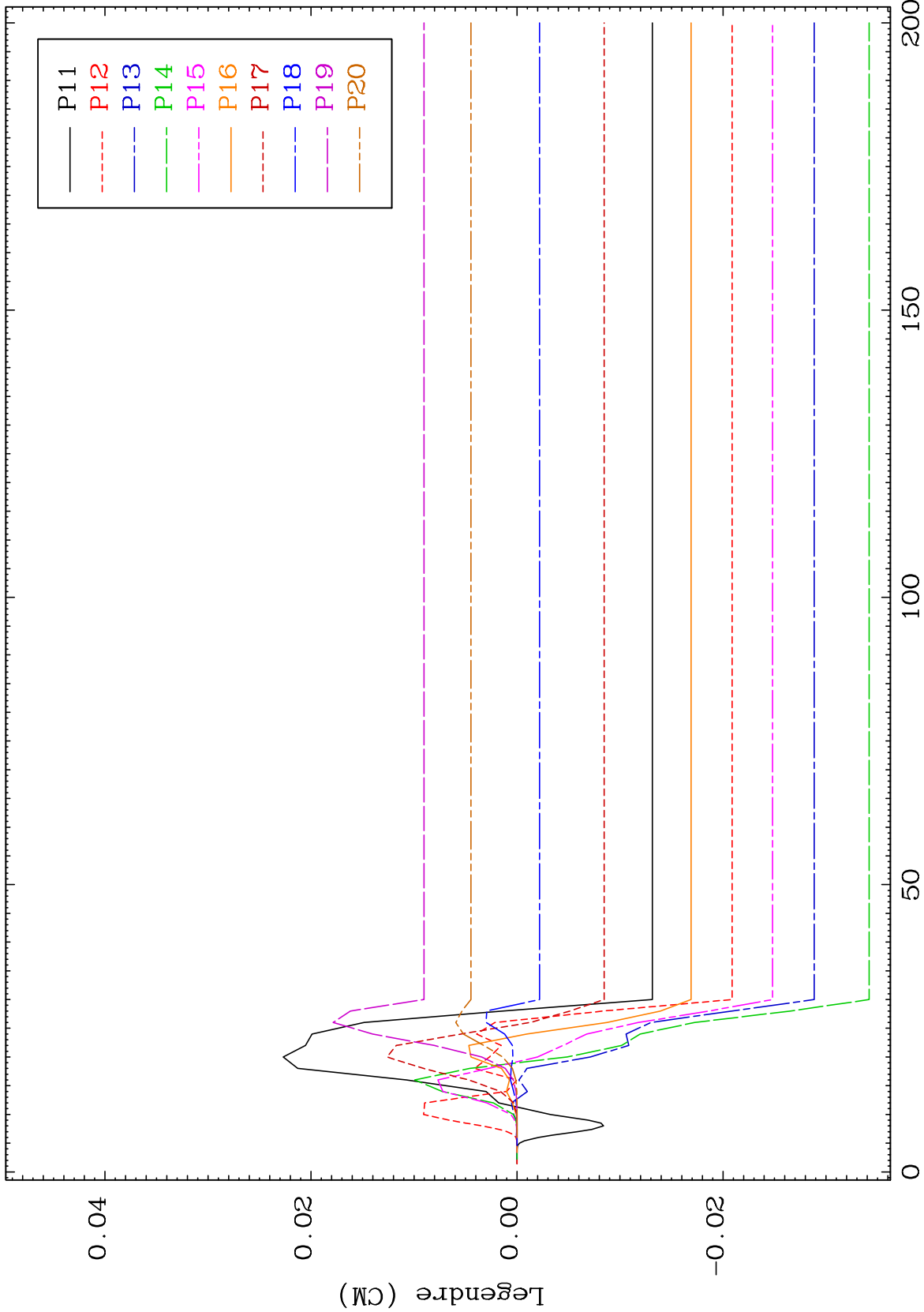


32

MAT 8513

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

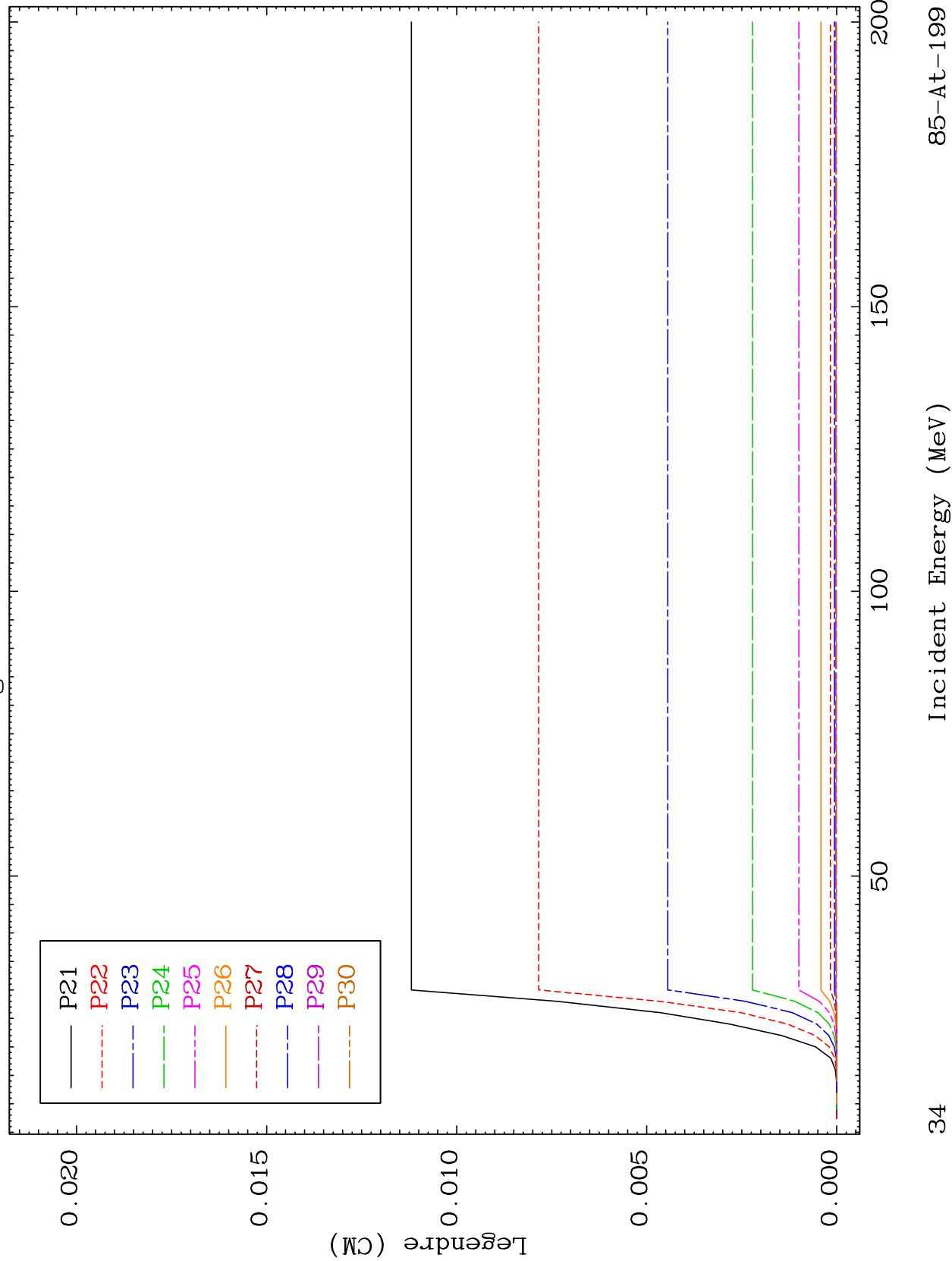
85-At-199



33

Incident Energy (MeV)

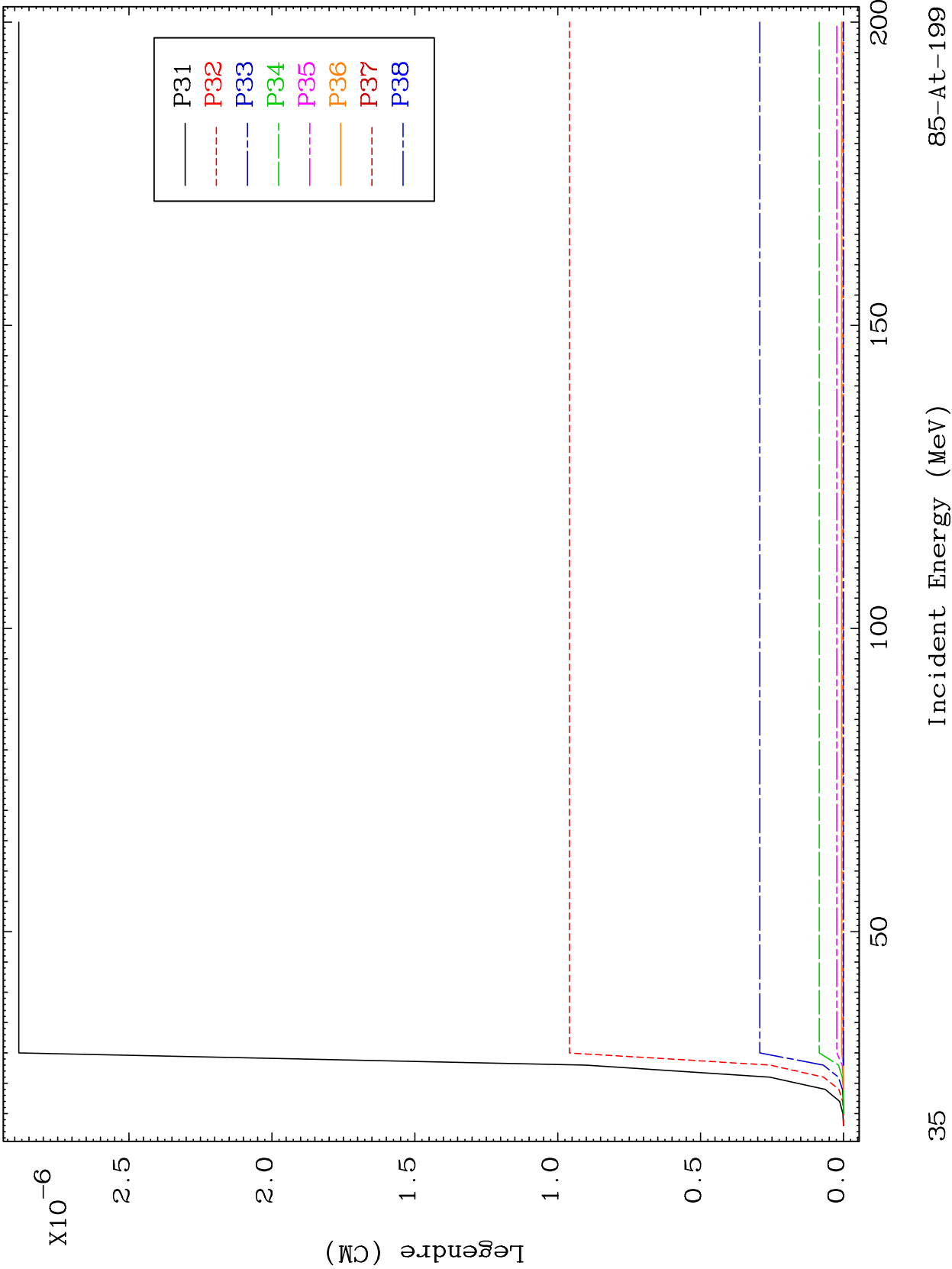
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MAT 8513

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

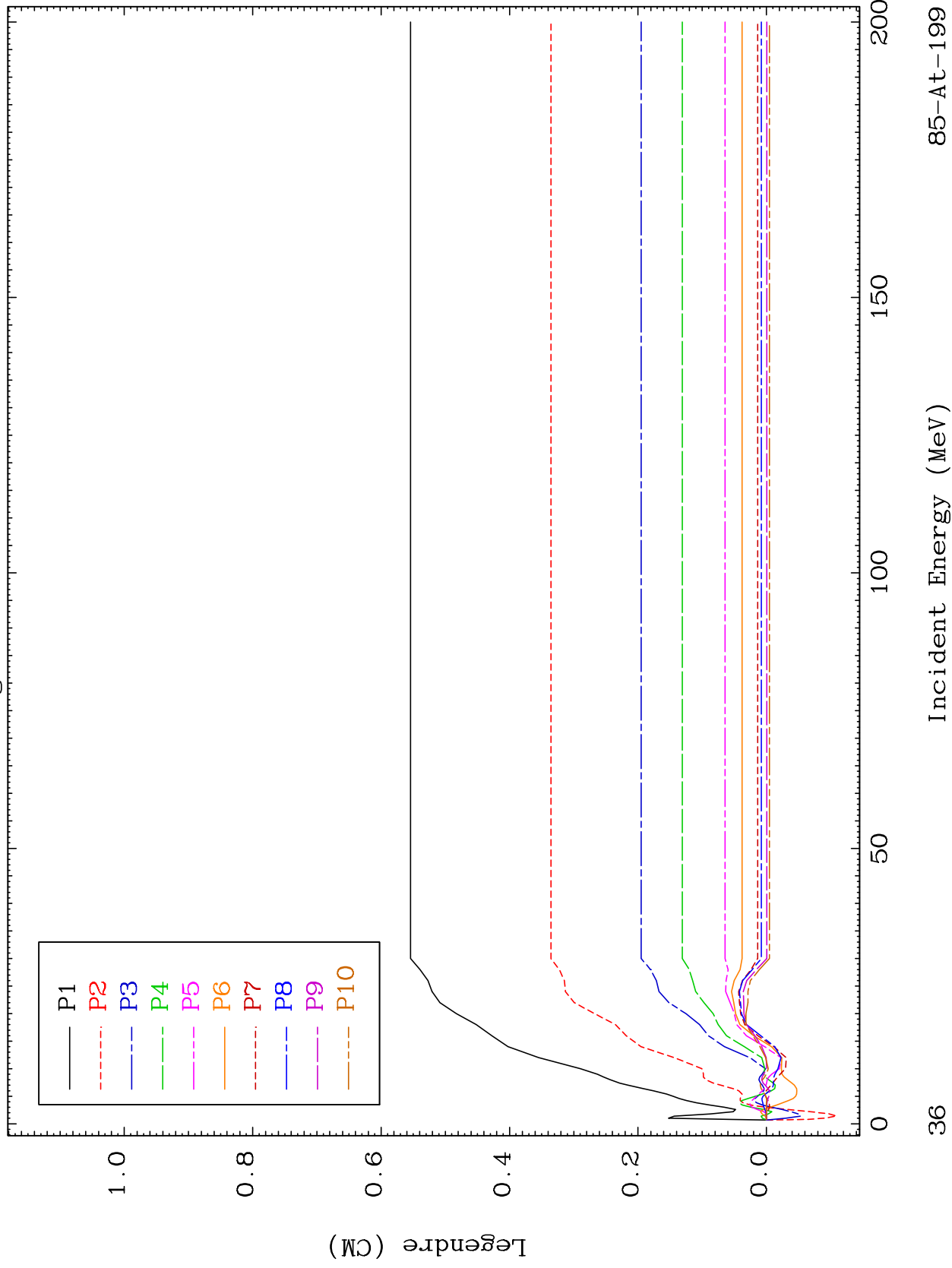
85-At-199



35

Incident Energy (MeV)

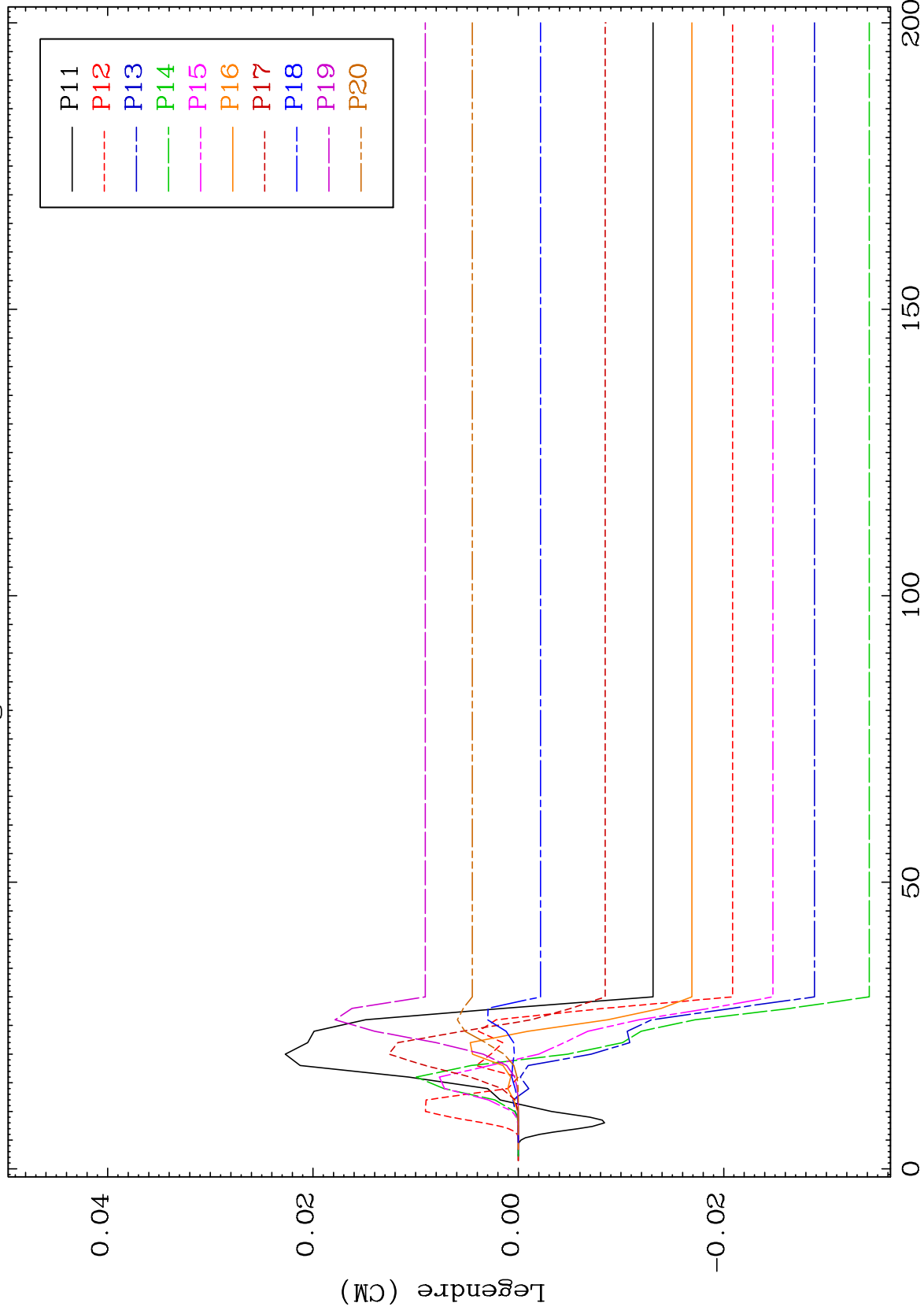
85-At-199



MAT 8513

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

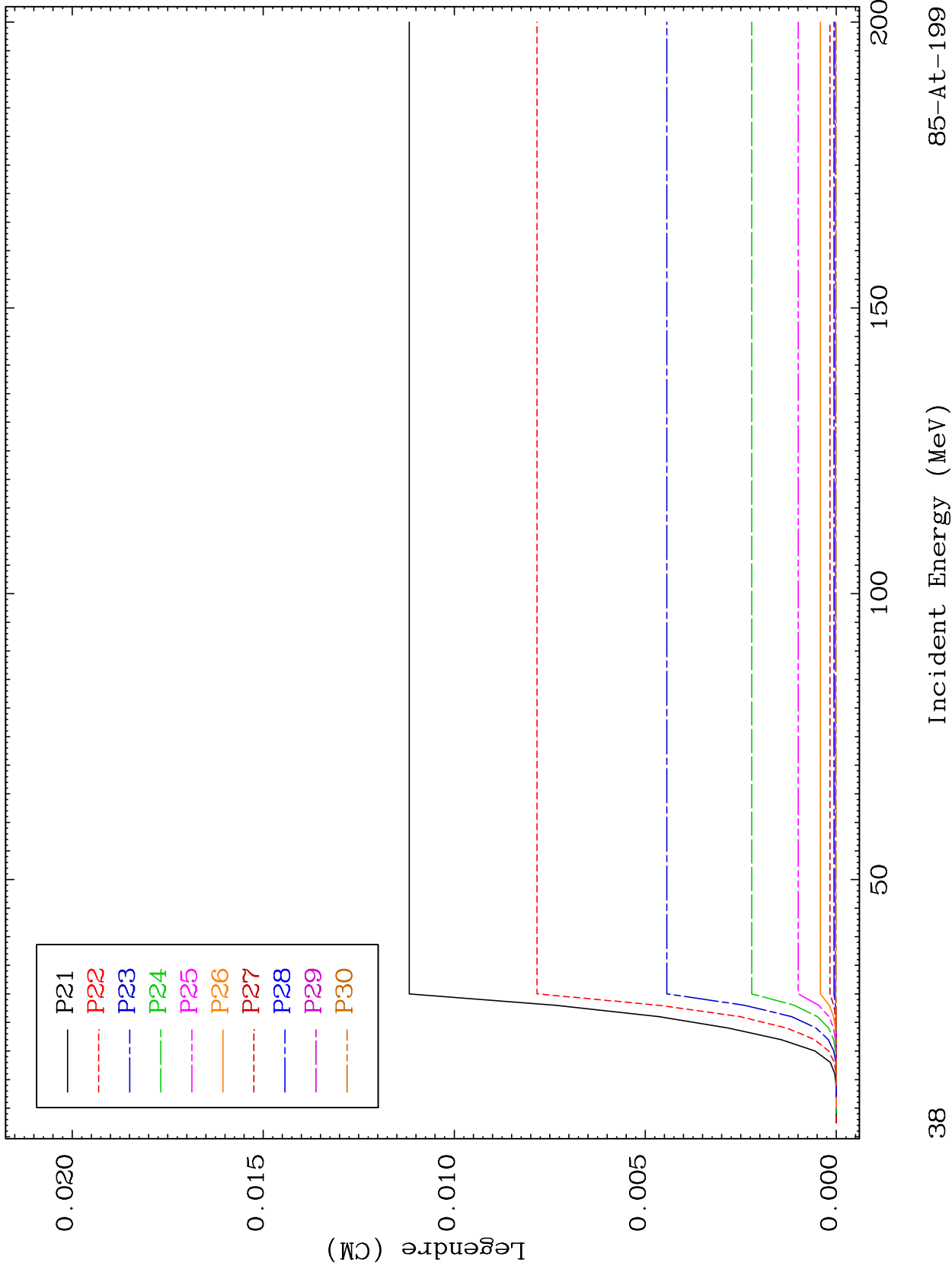
85-At-199



37

Incident Energy (MeV)

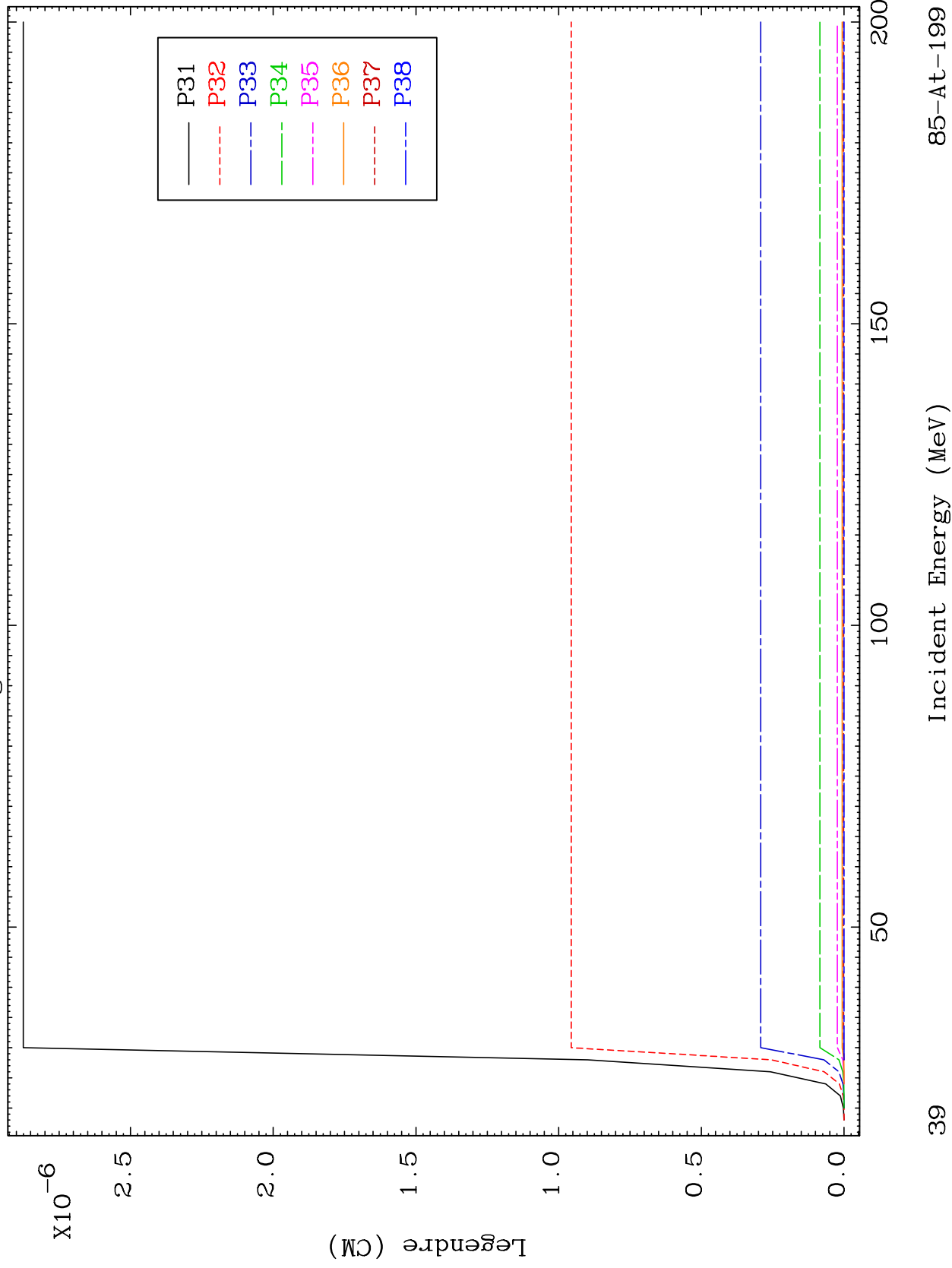
85-At-199



MAT 8513

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

85-At-199

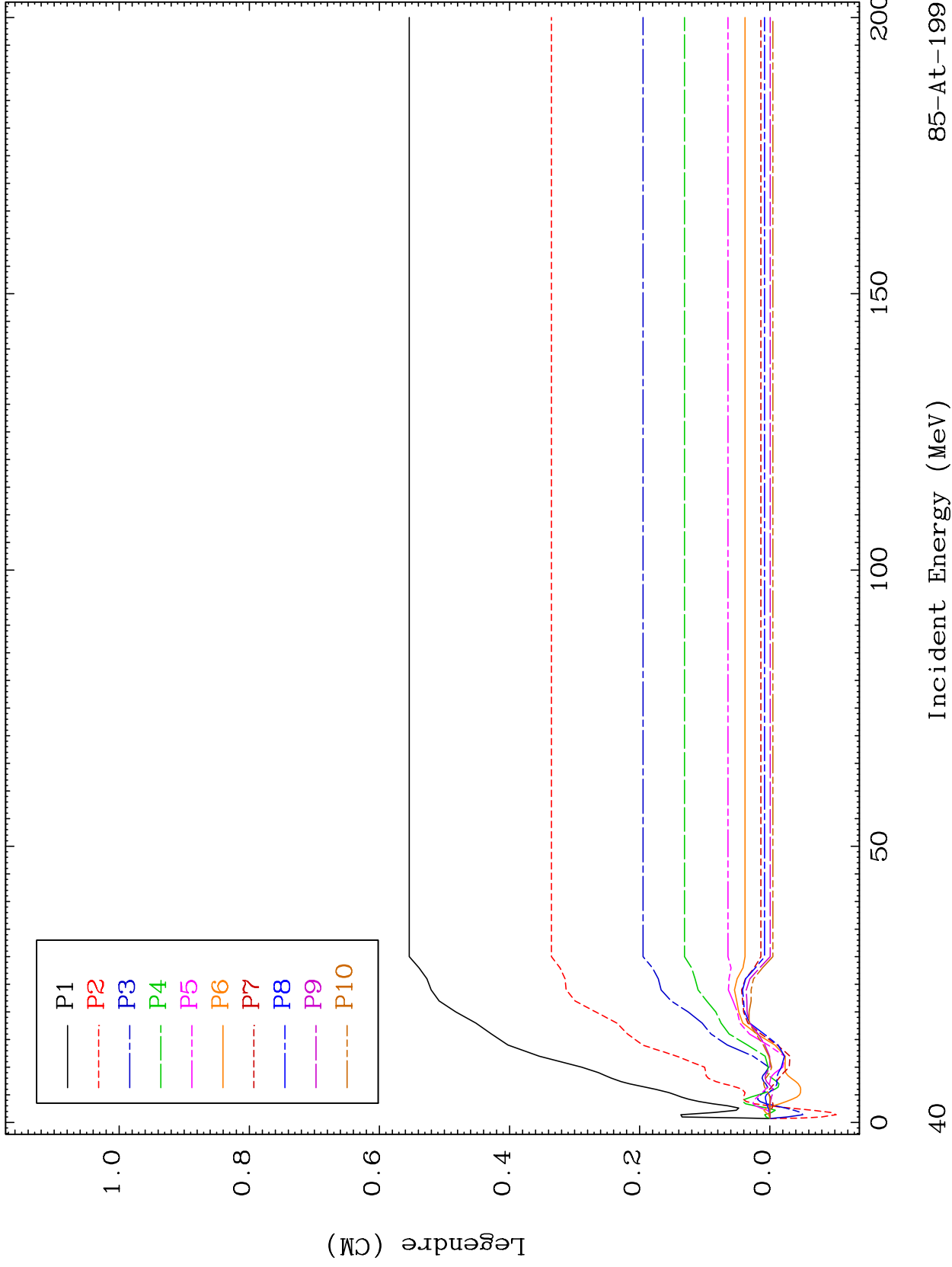




MAT 8513

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

85-At-199



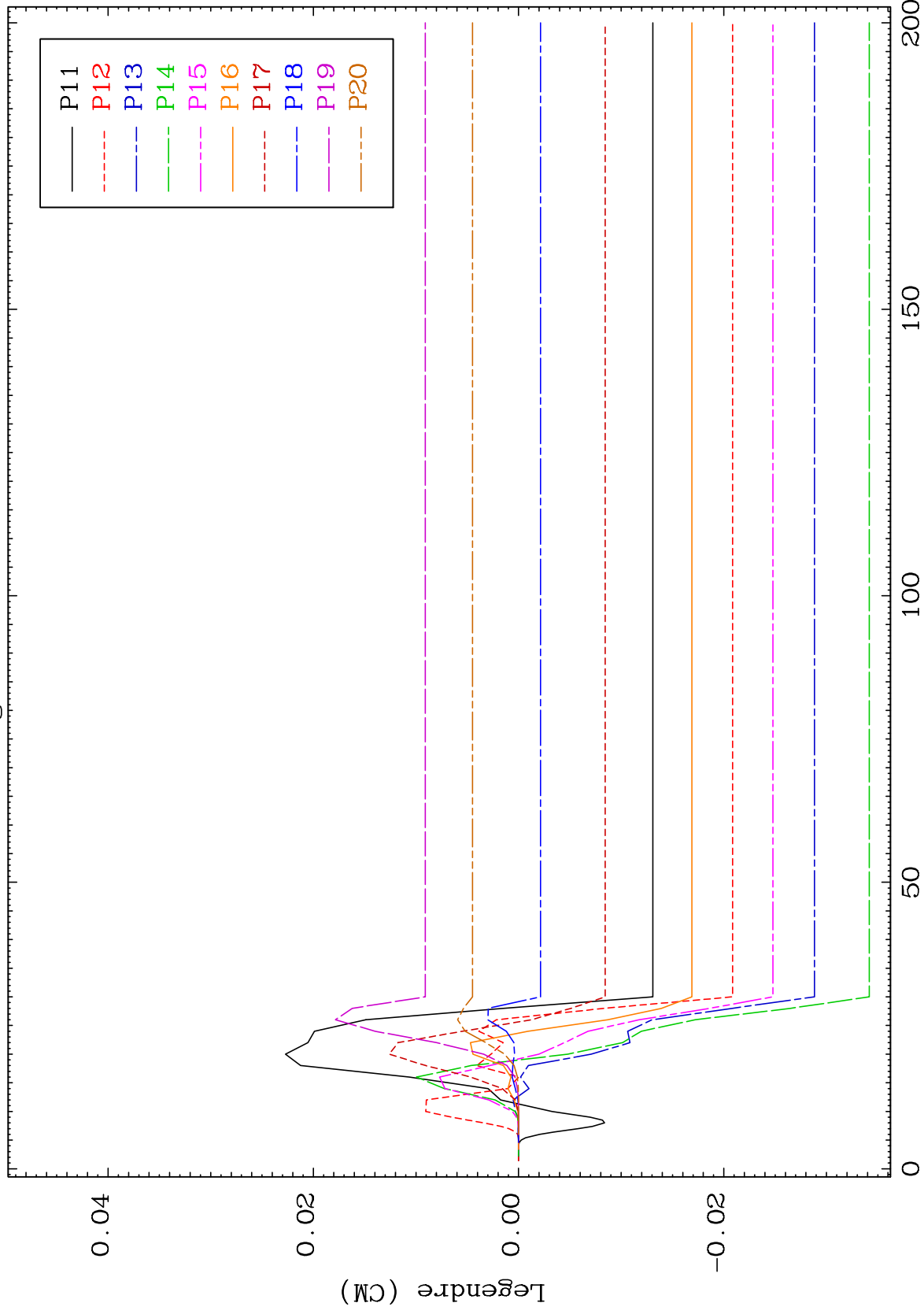
85-At-199

Incident Energy (MeV)

MAT 8513

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

85-At-199



41

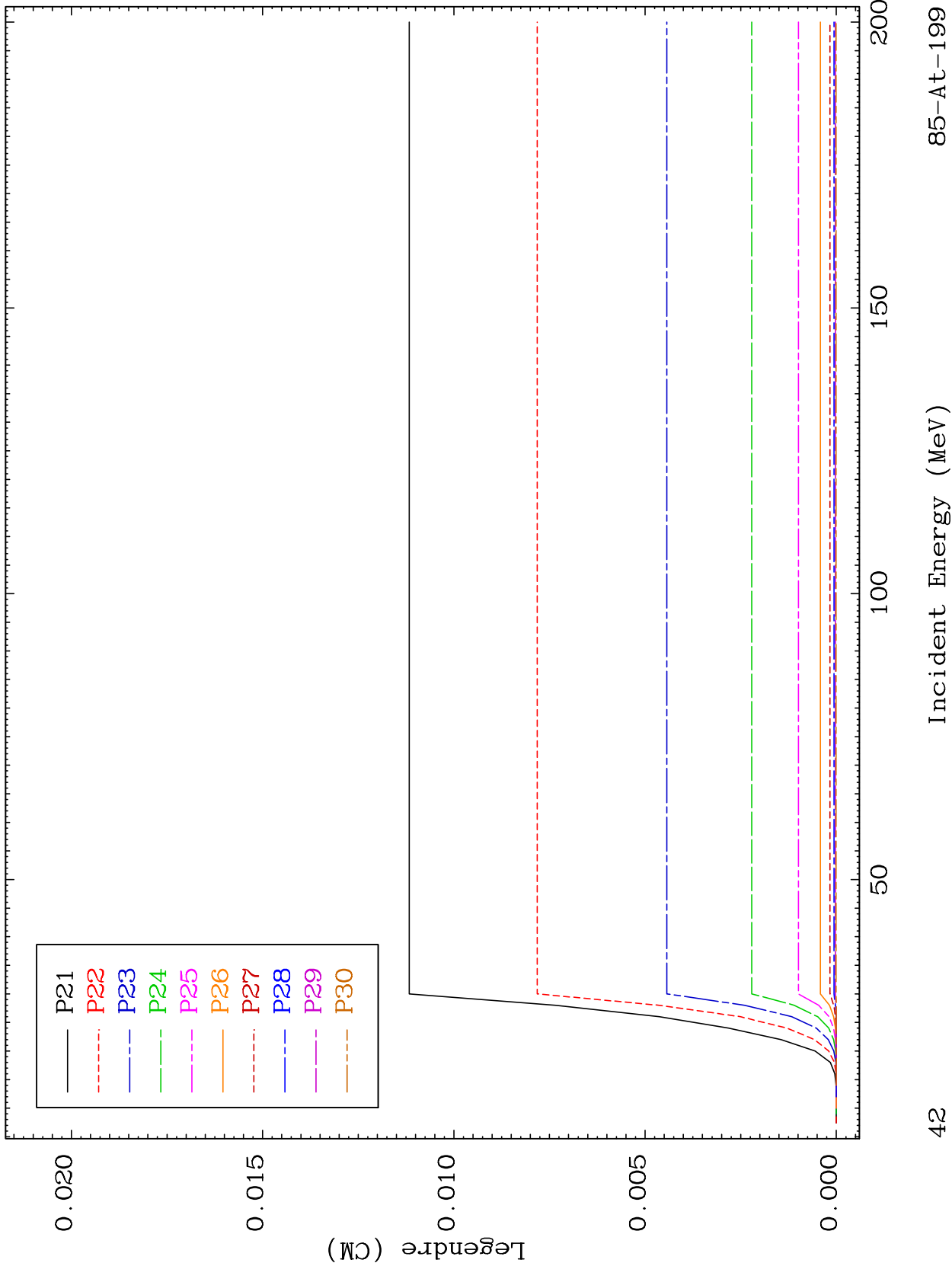
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



42

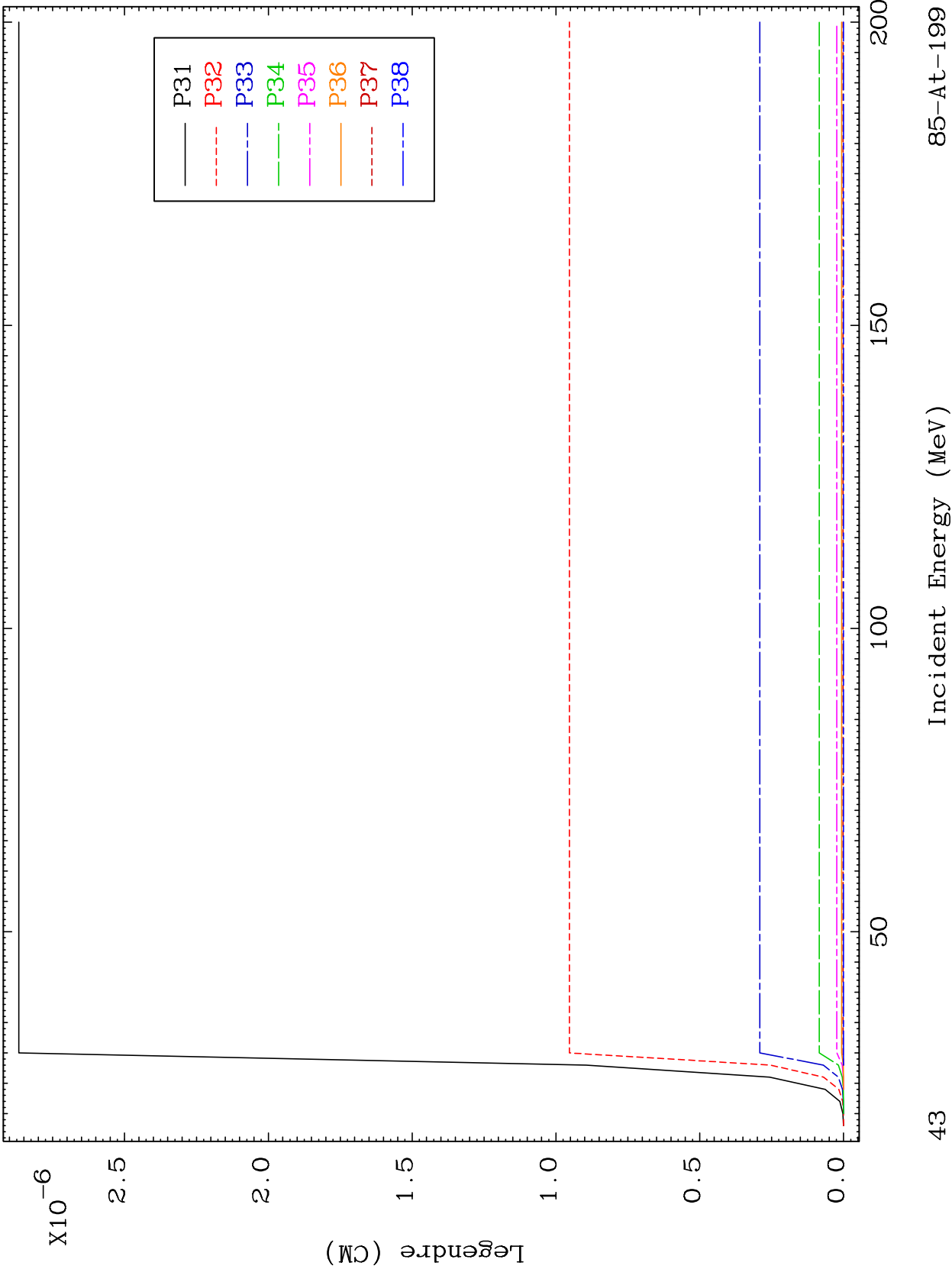
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



43

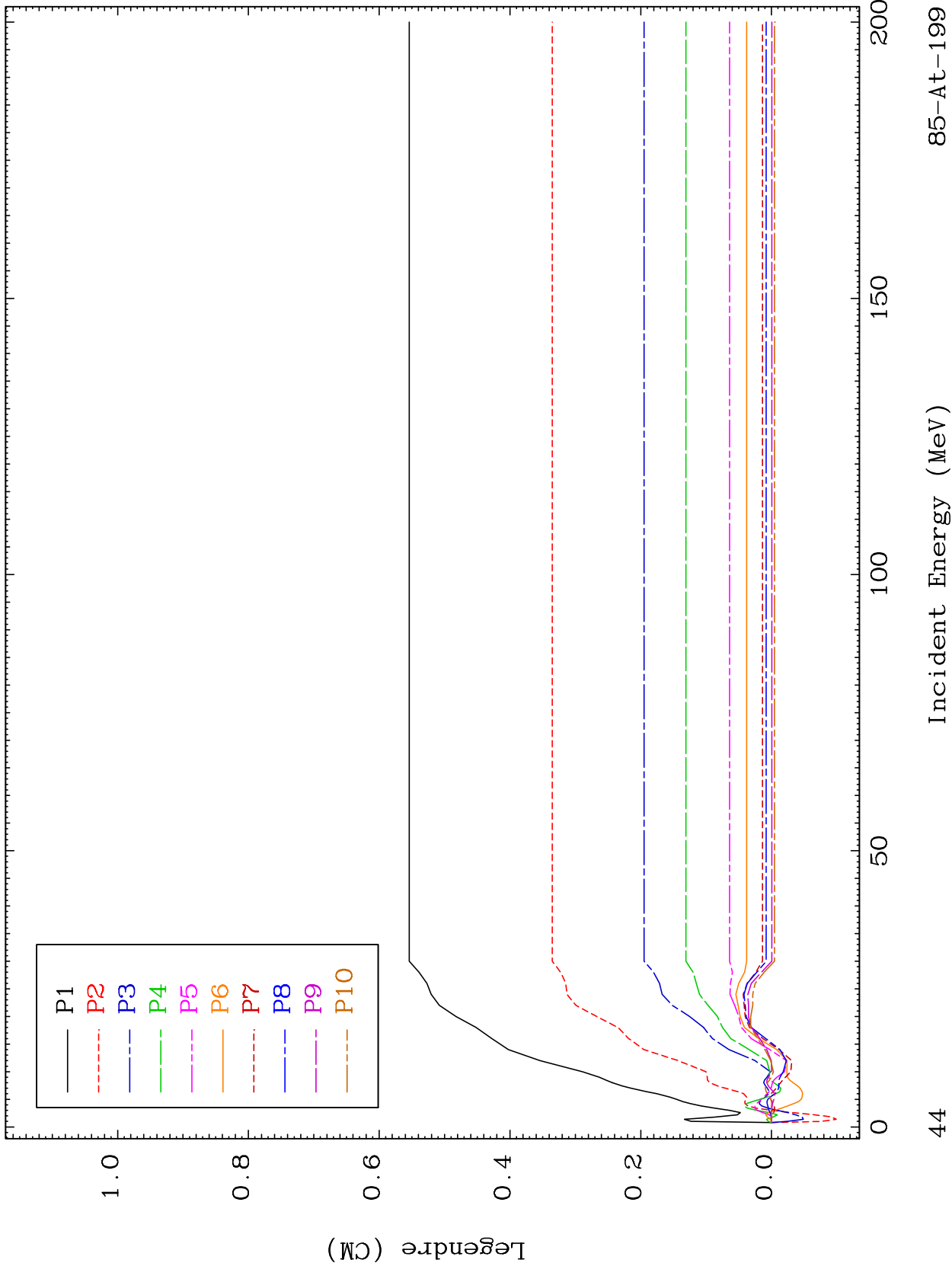
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199

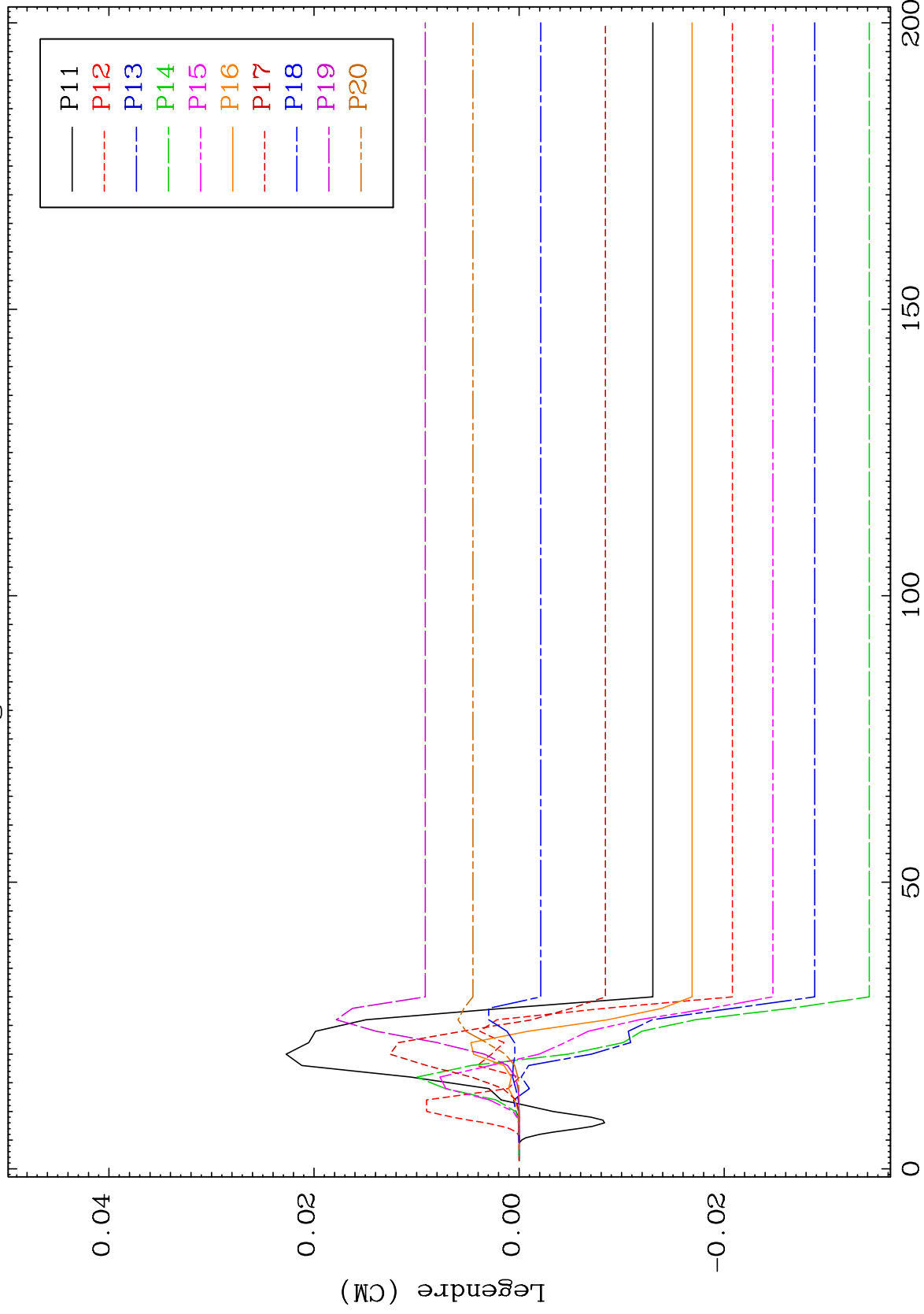


44

MAT 8513

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

85-At-199



85-At-199

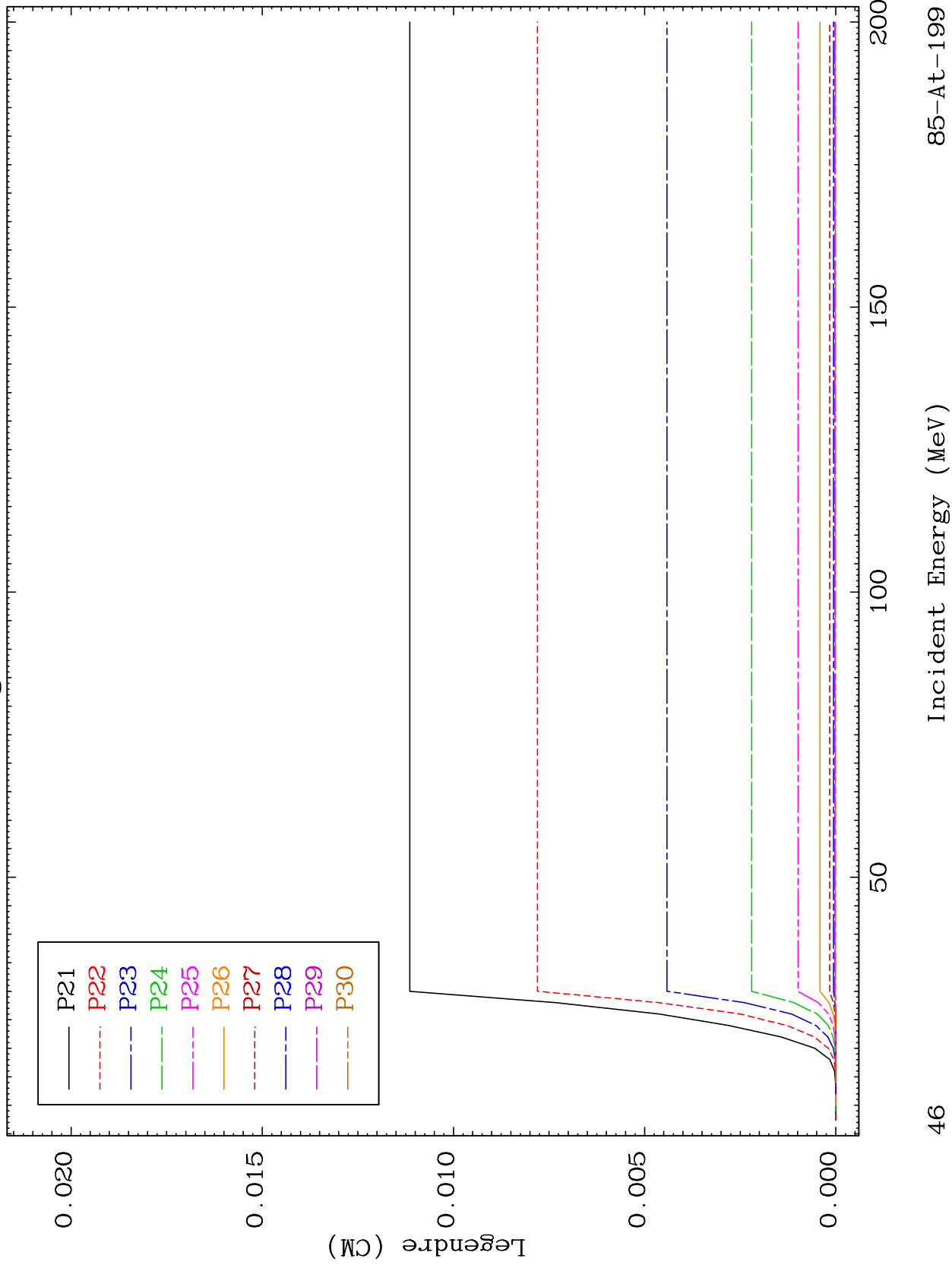
Incident Energy (MeV)

45

MAT 8513

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

85-At-199



46

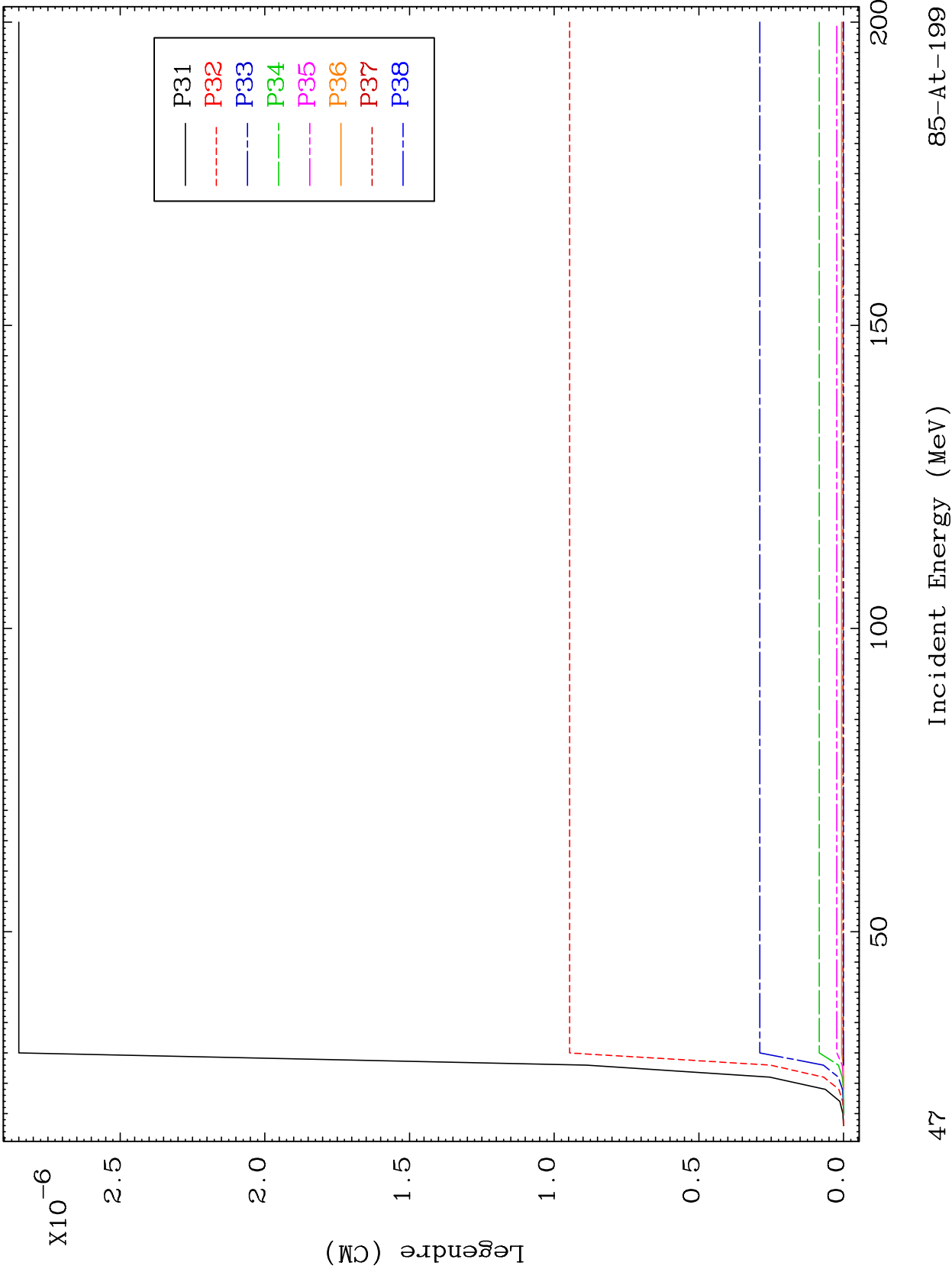
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



47

Incident Energy (MeV)

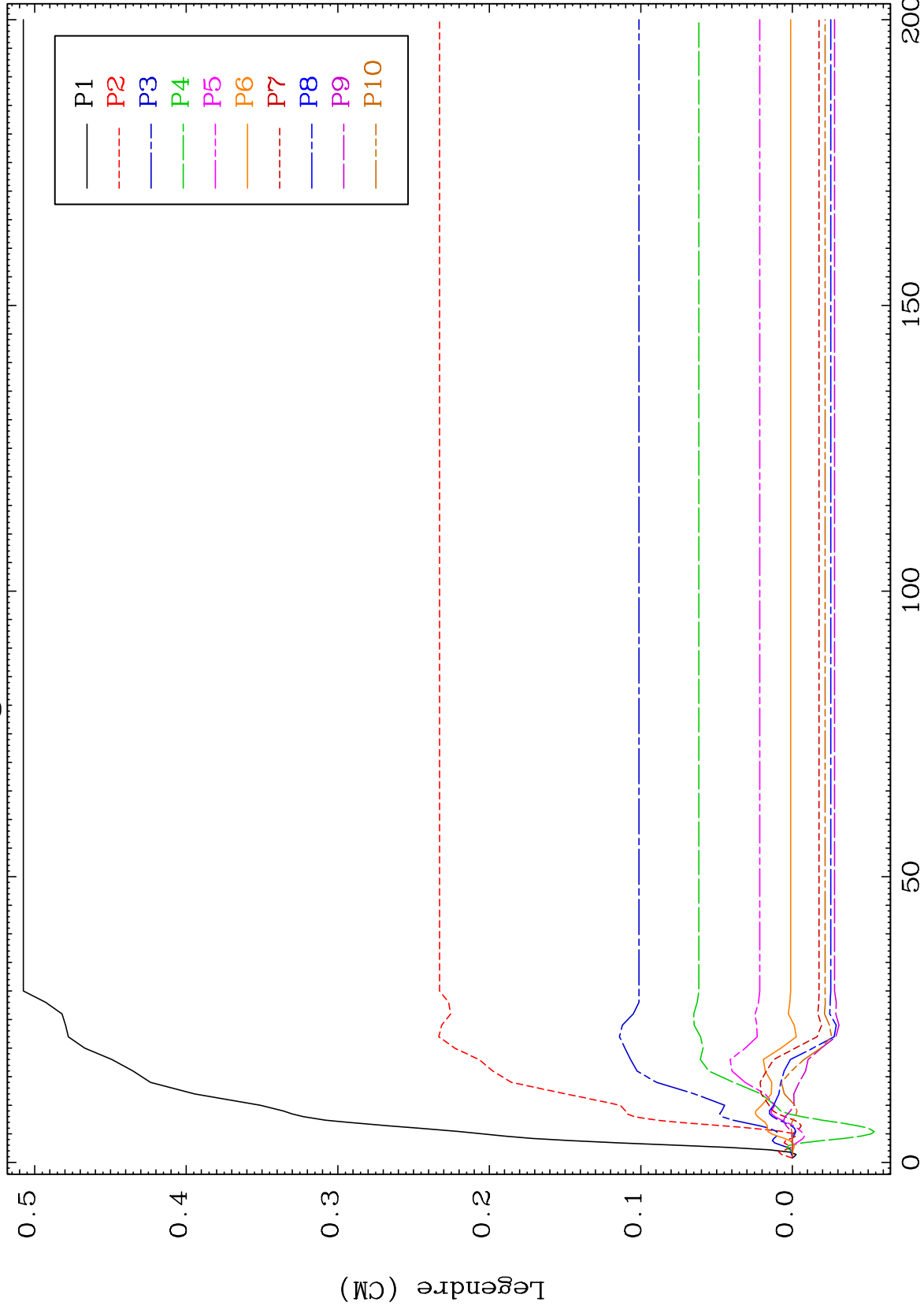
85-At-199



MAT 8513

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

85-At-199



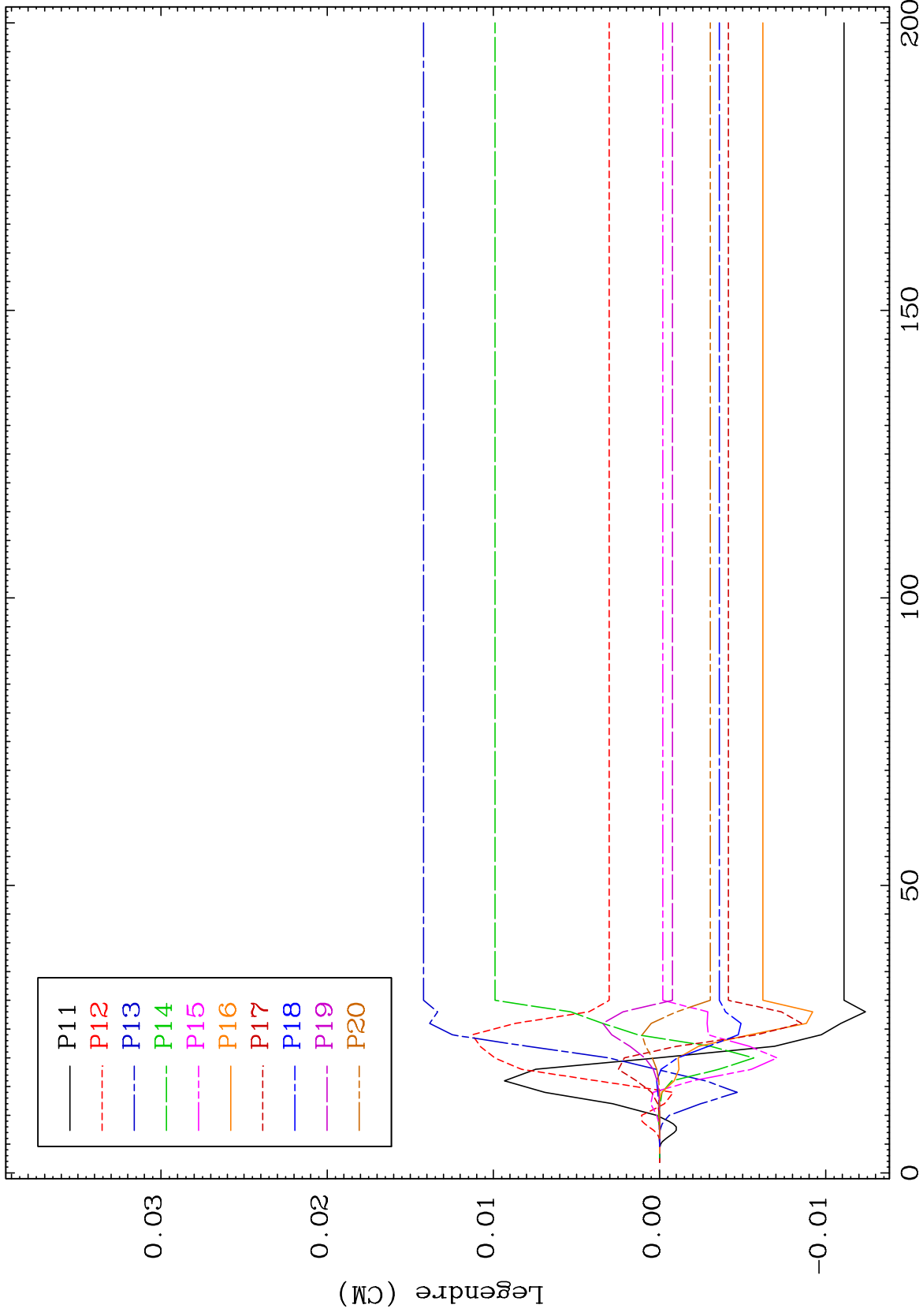
48

85-At-199

MAT 8513

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

85-At-199



49

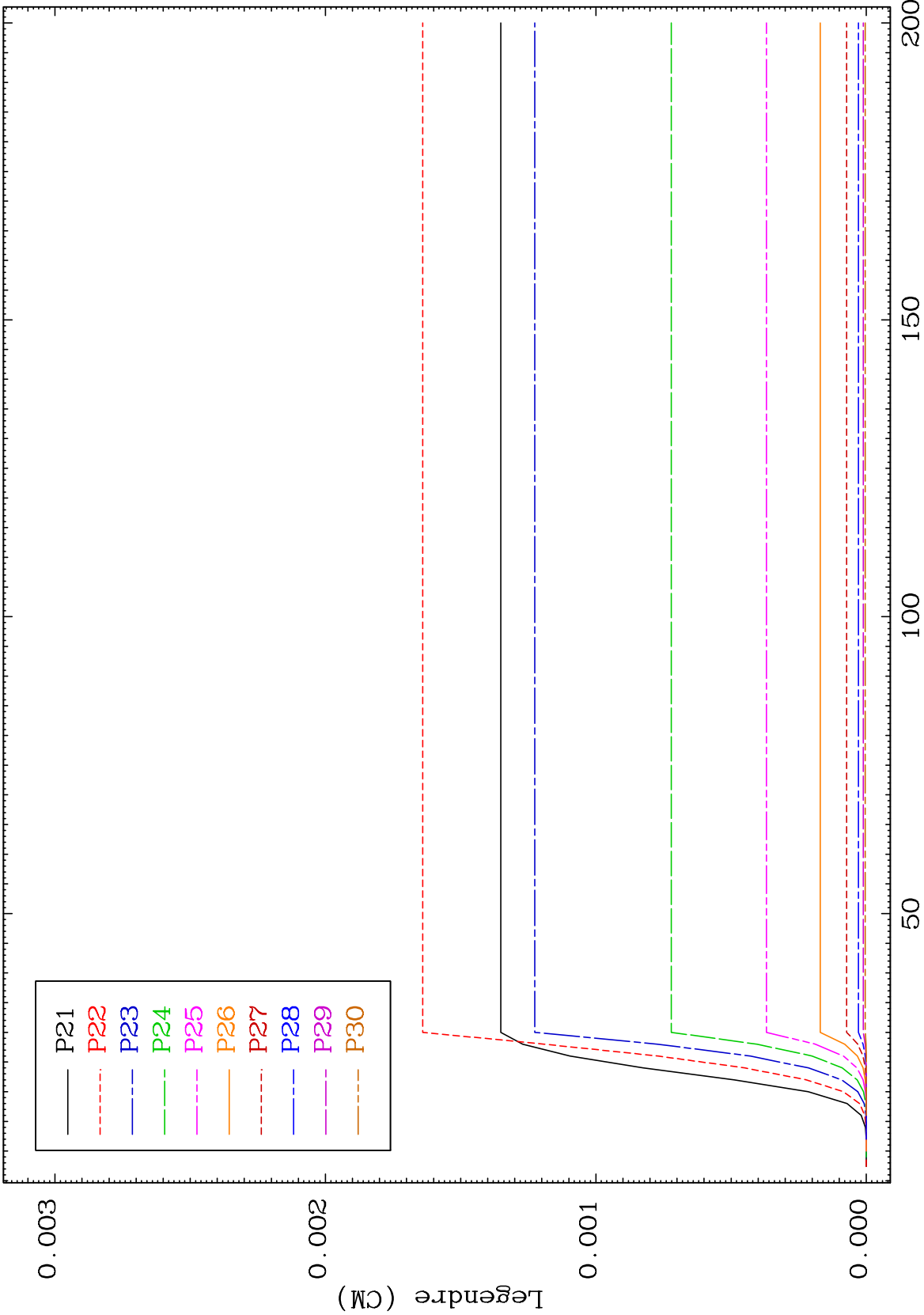
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



50

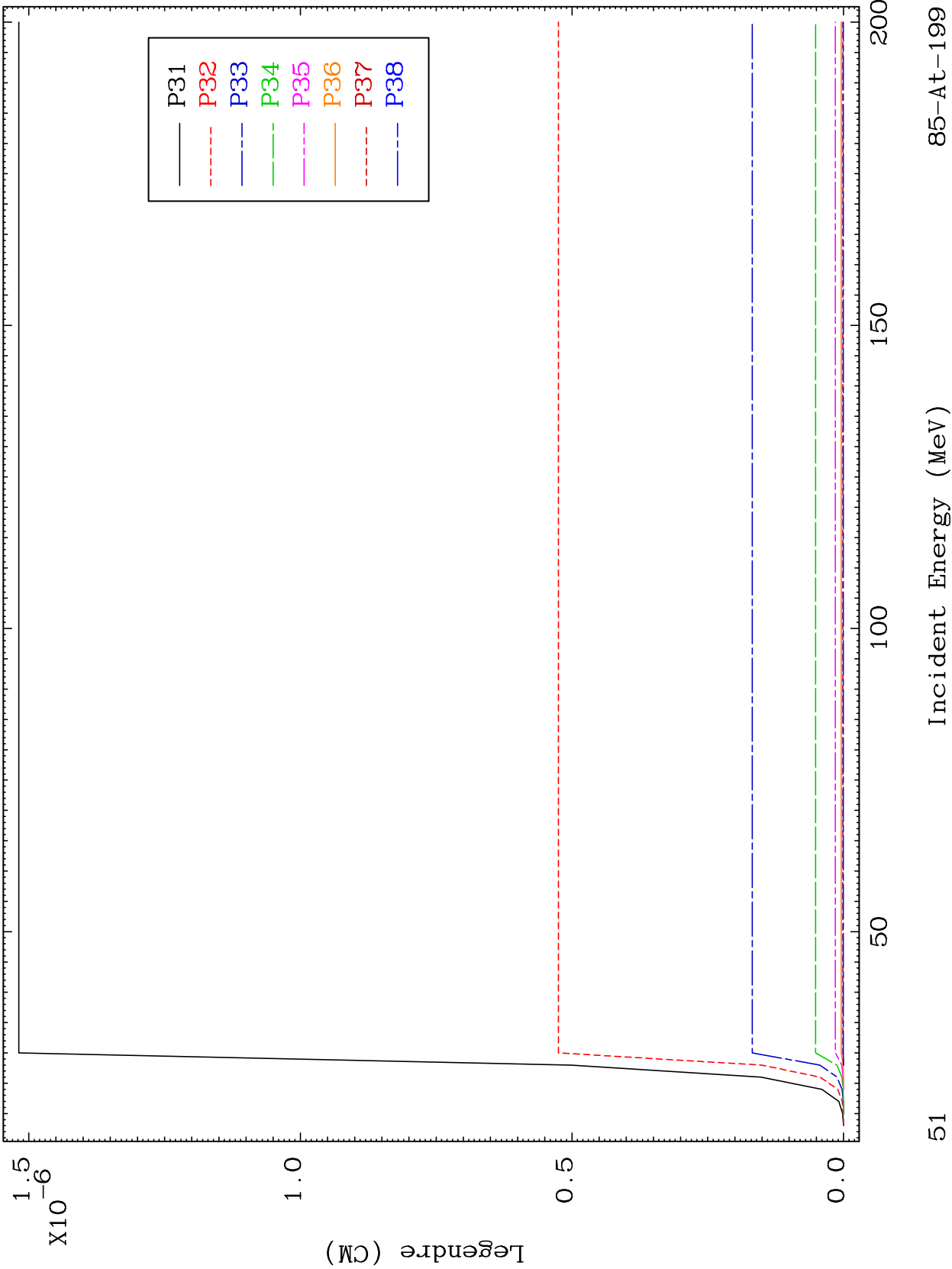
Incident Energy (MeV)

85-At-199

MAT 8513

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

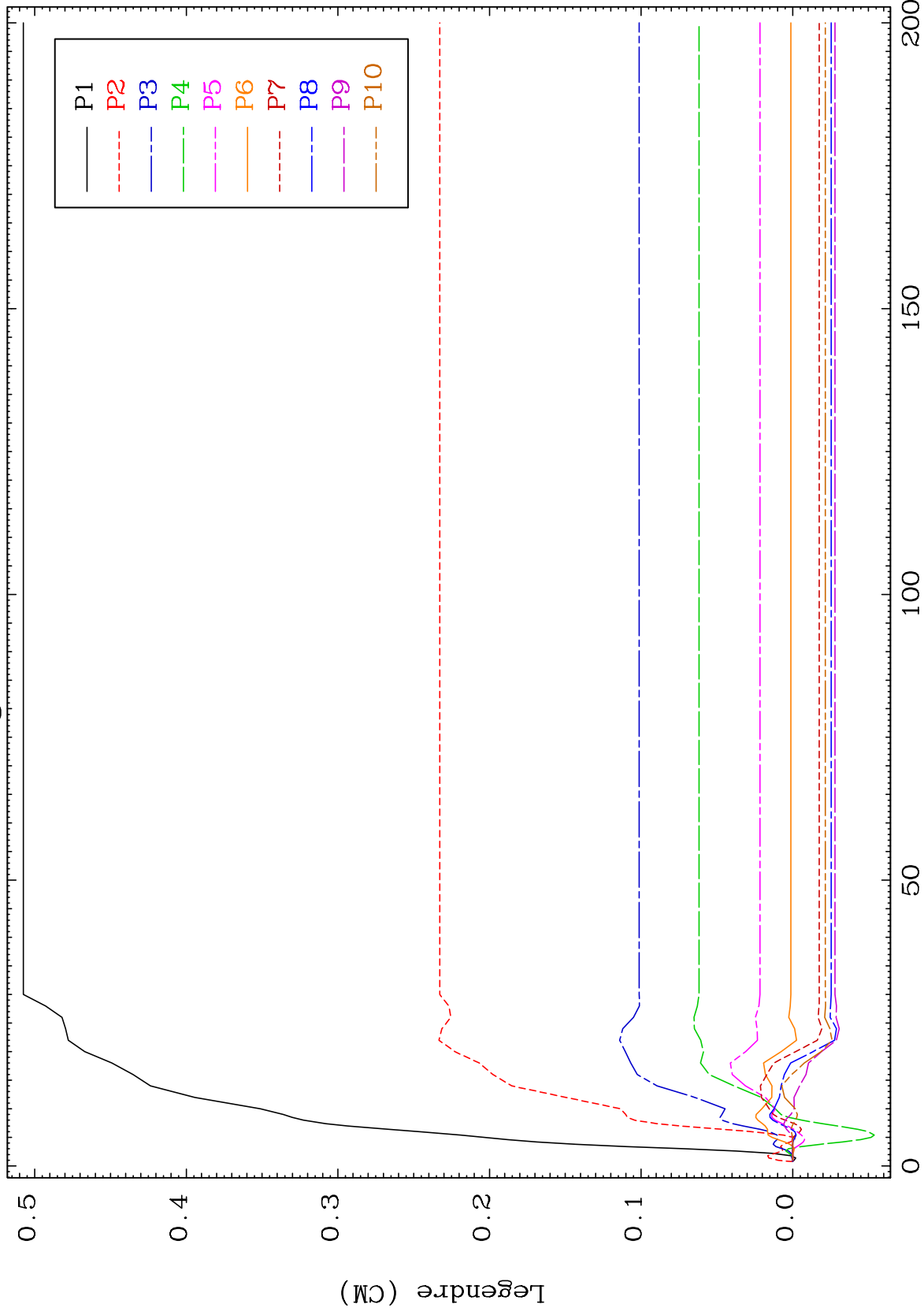
85-At-199



MAT 8513

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

85-At-199



85-At-199

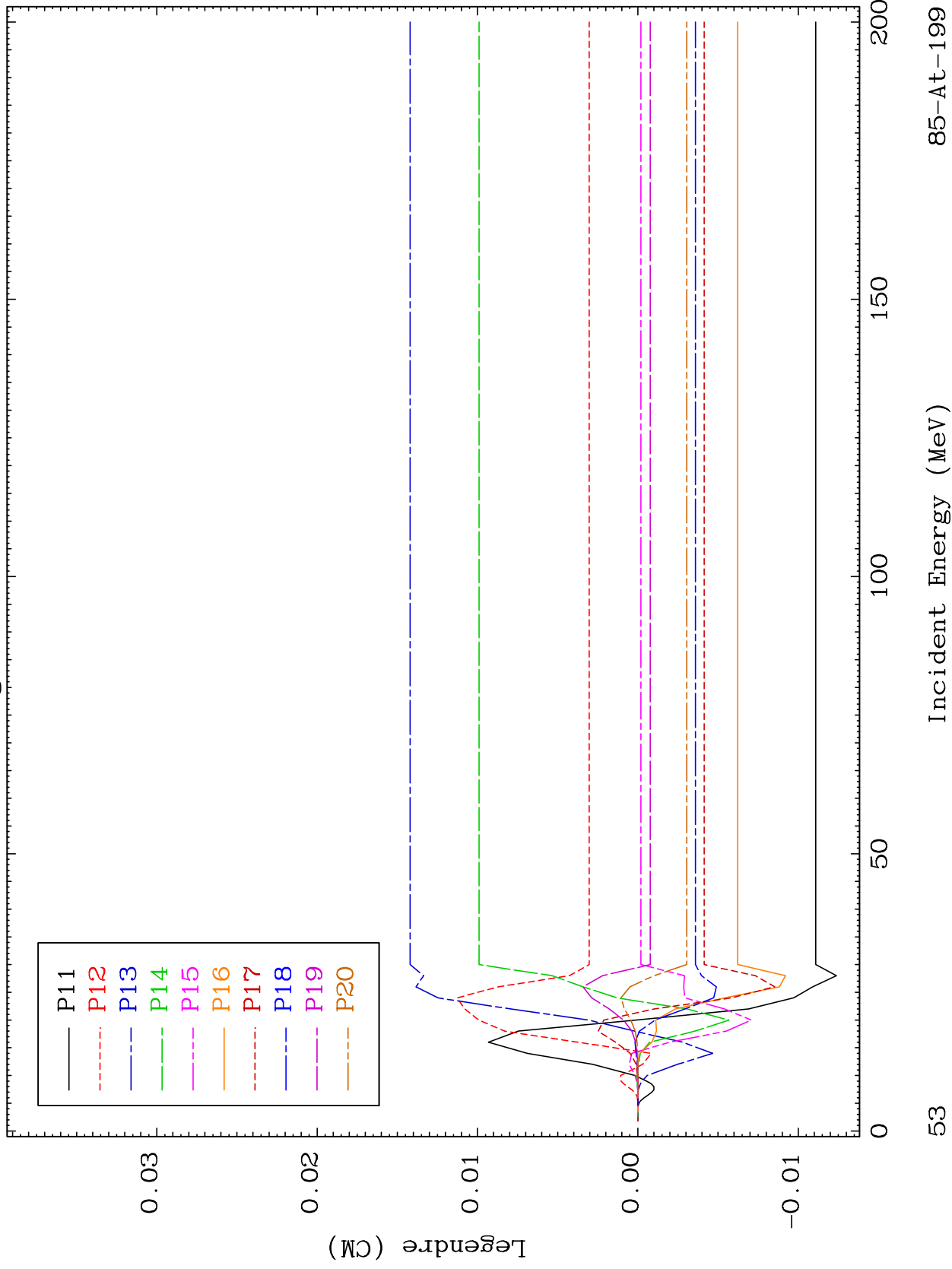
Incident Energy (MeV)

52

MAT 8513

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

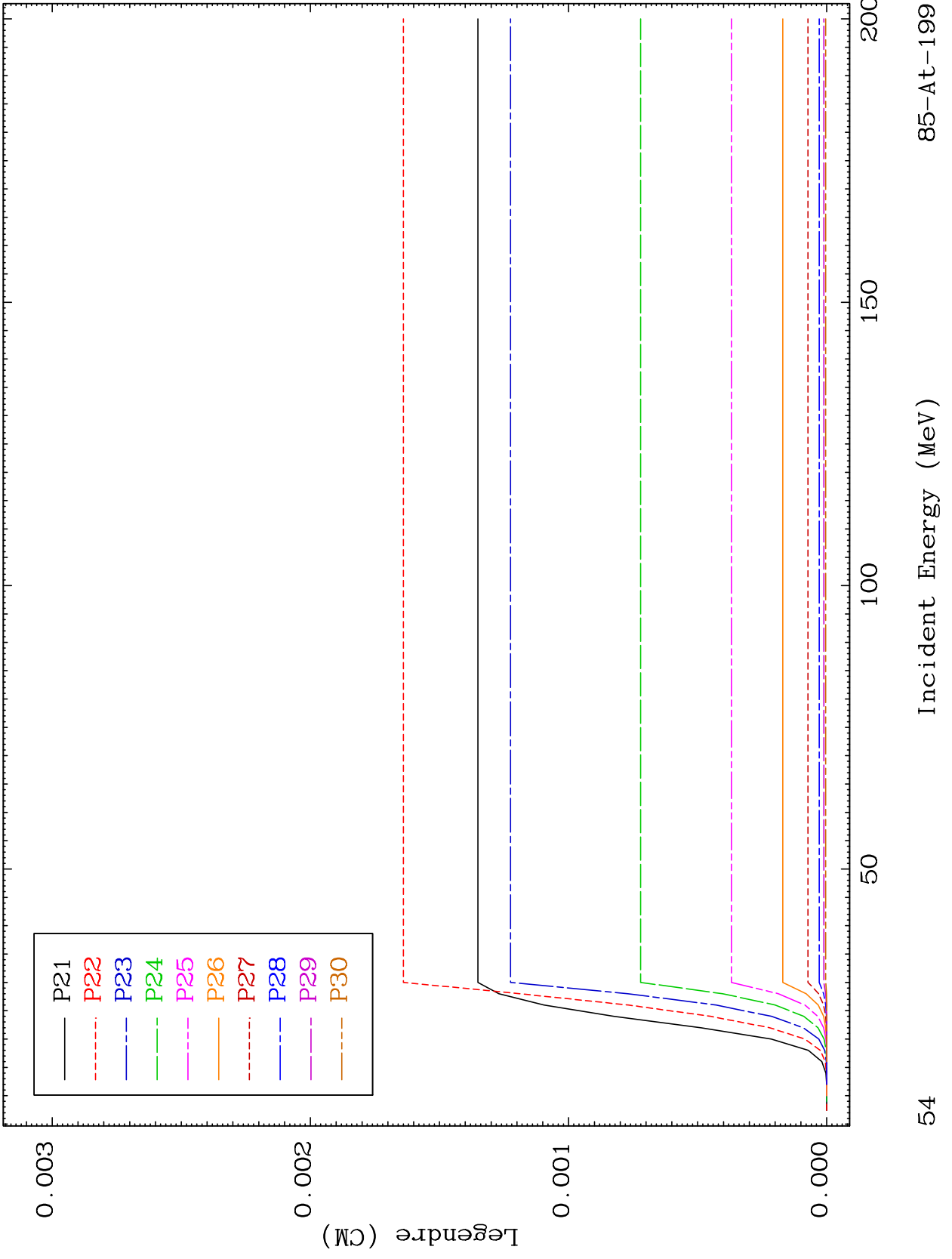
85-At-199



MAT 8513

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

85-At-199



54

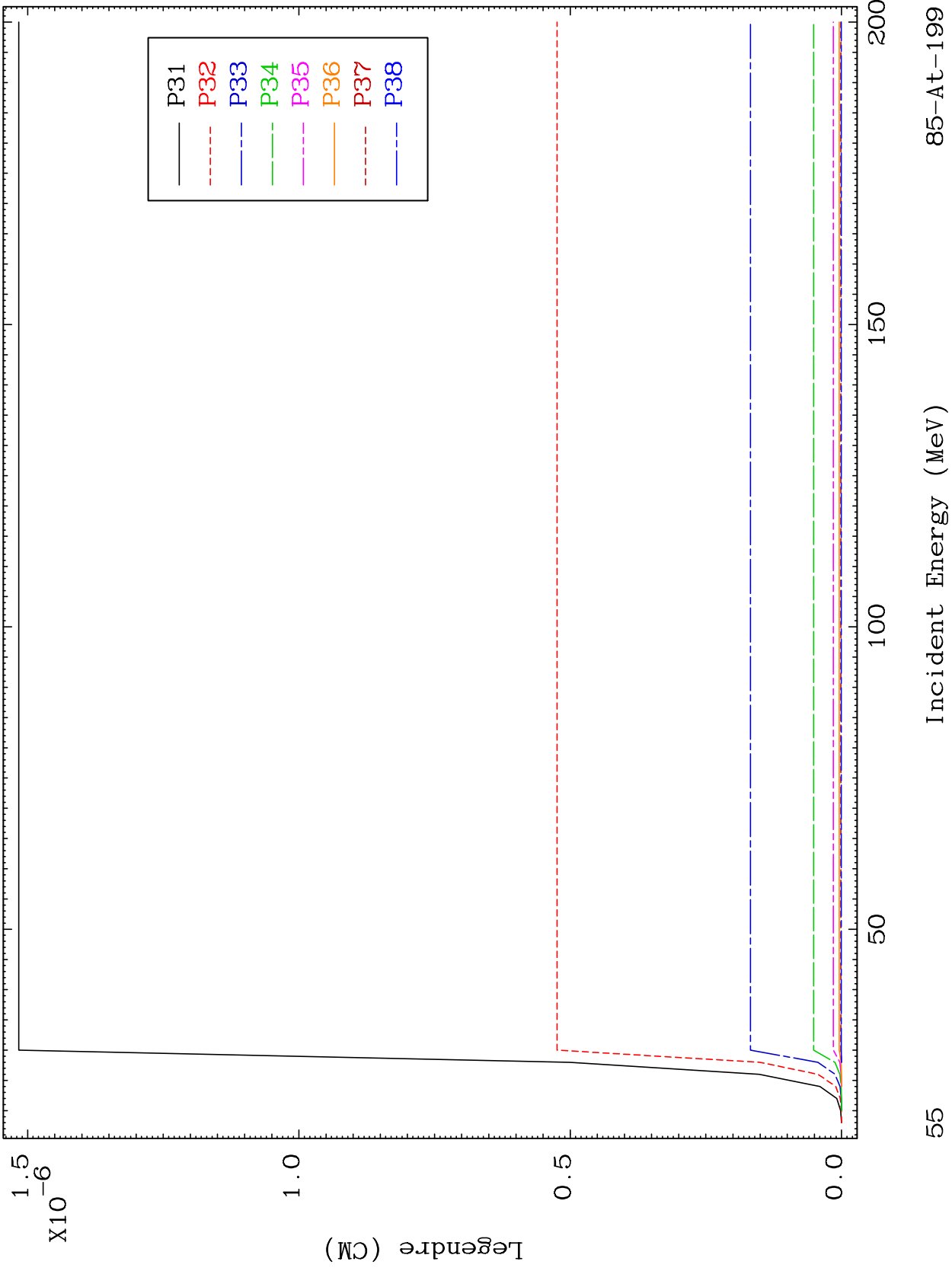
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



55

Incident Energy (MeV)

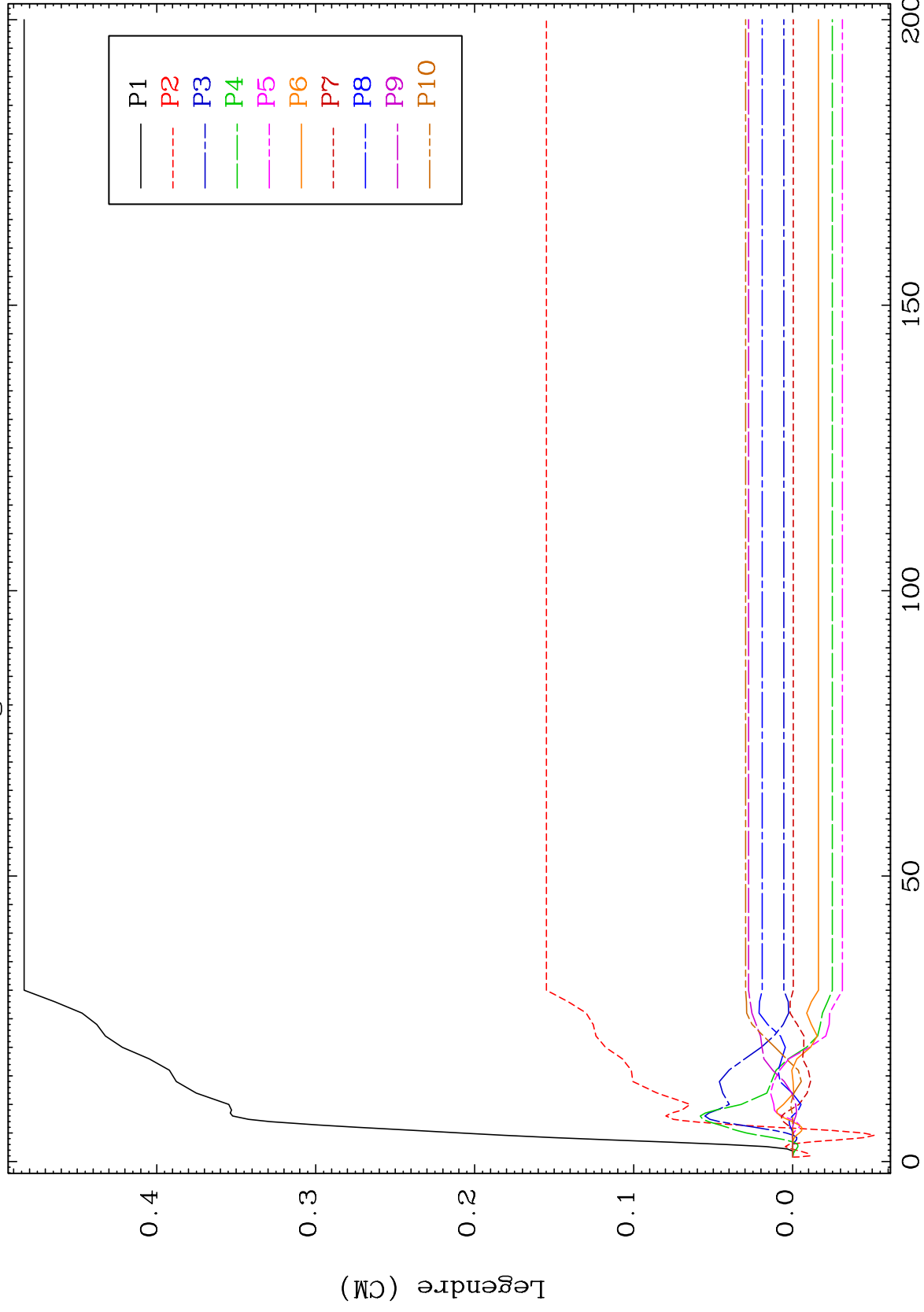
85-At-199



MAT 8513

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

85-At-199



85-At-199

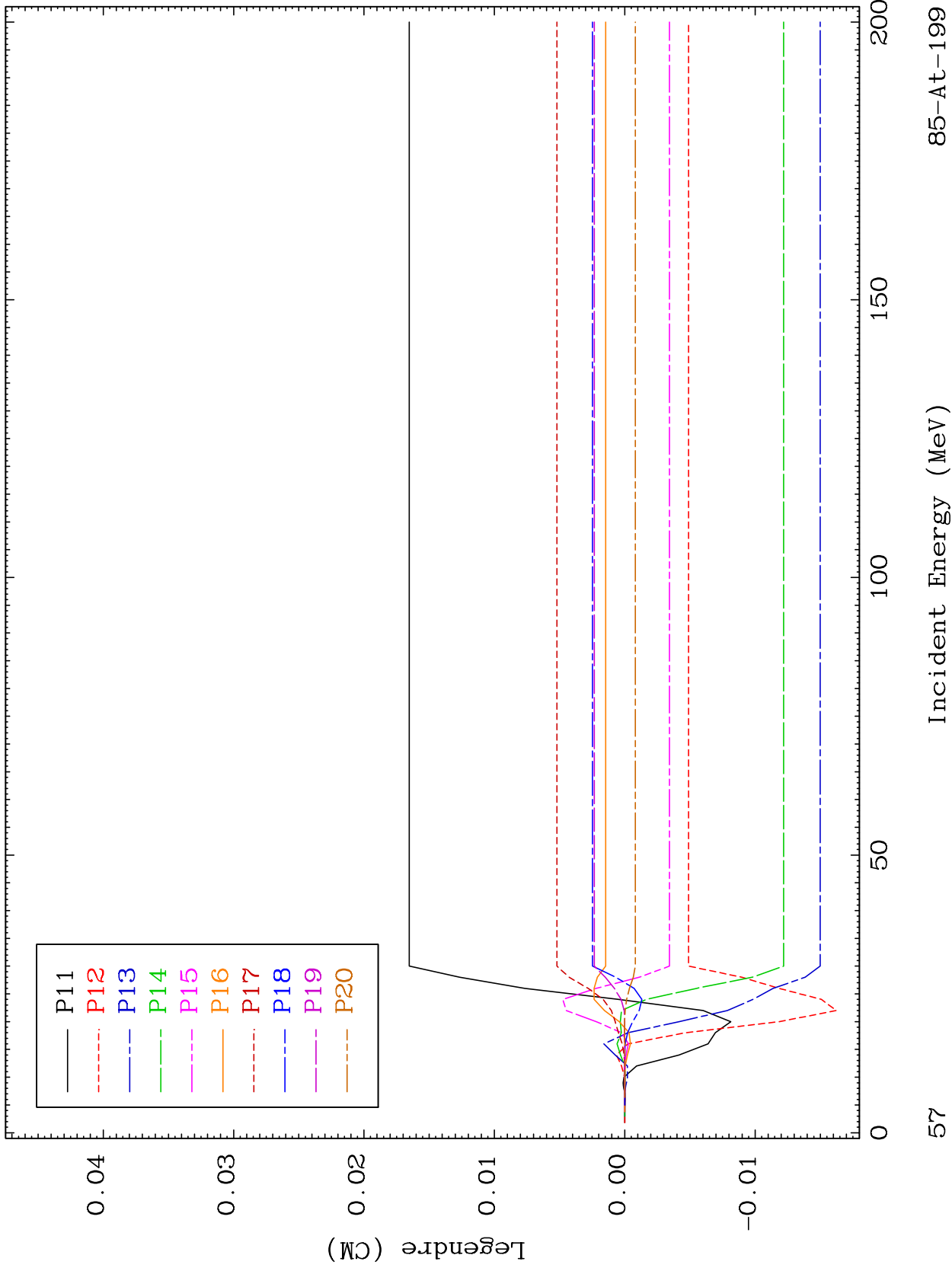
Incident Energy (MeV)

56

MAT 8513

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

85-At-199



57

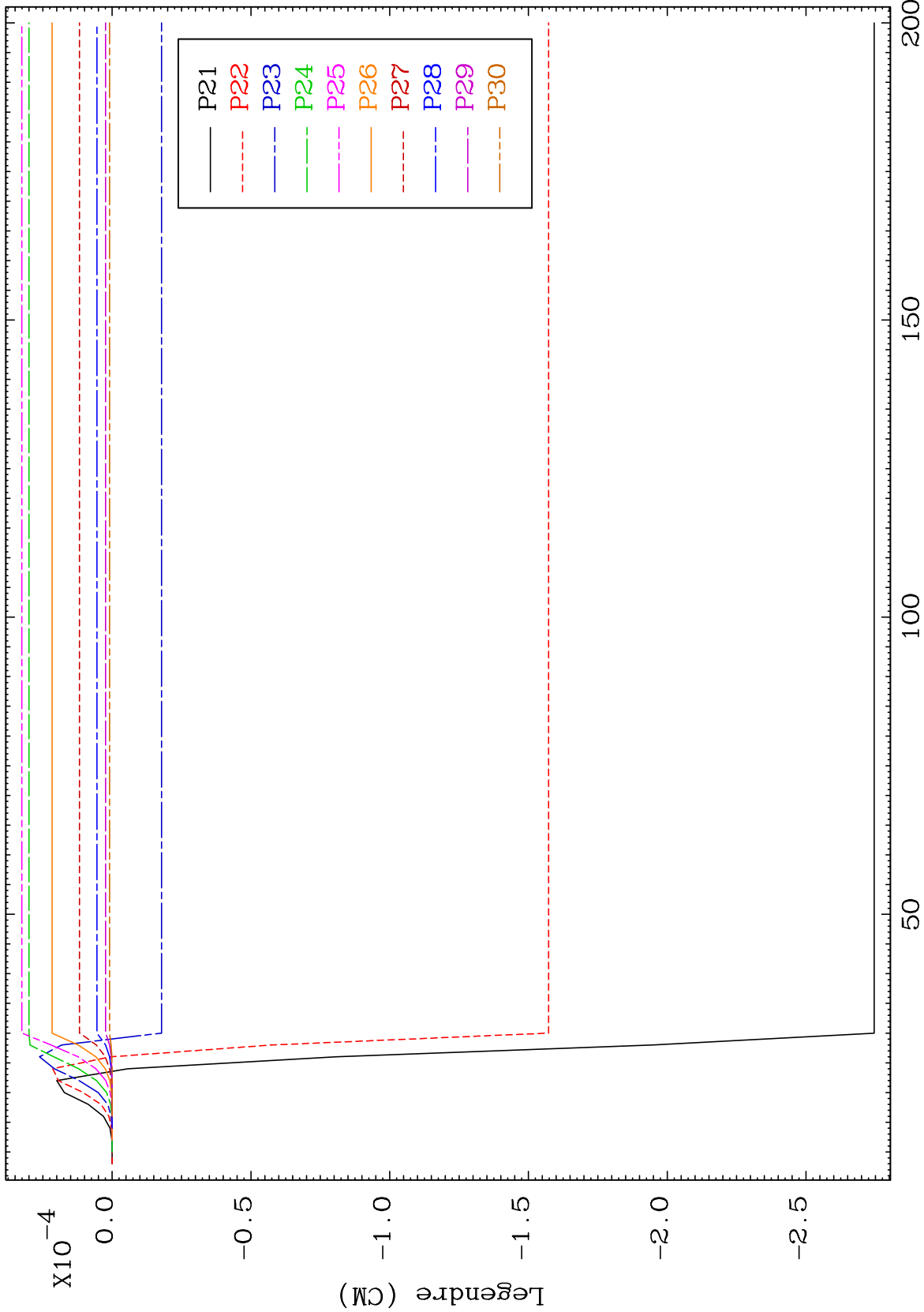
Incident Energy (MeV)

85-At-199

MAT 8513

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

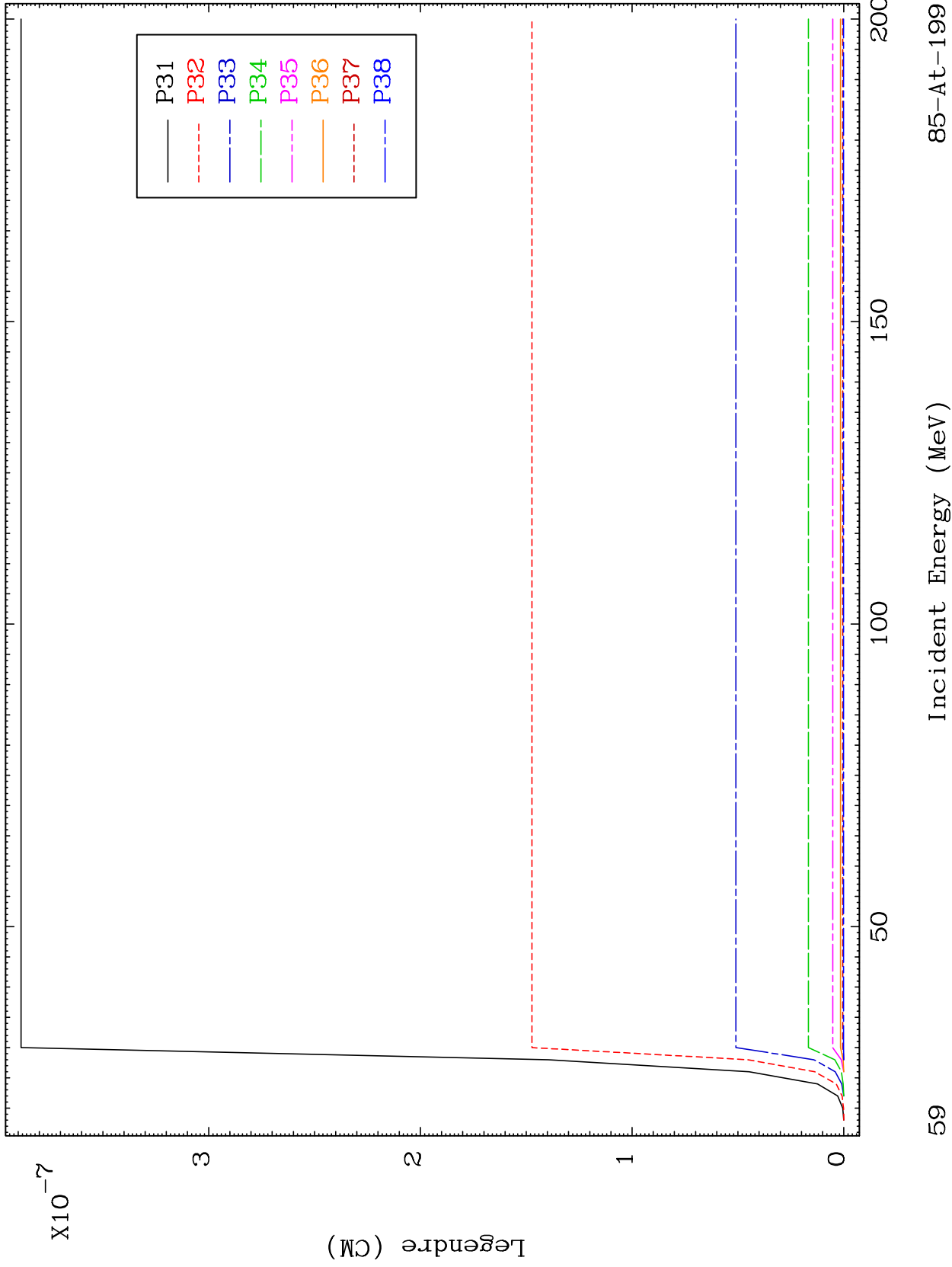
85-At-199



MAT 8513

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

85-At-199



59

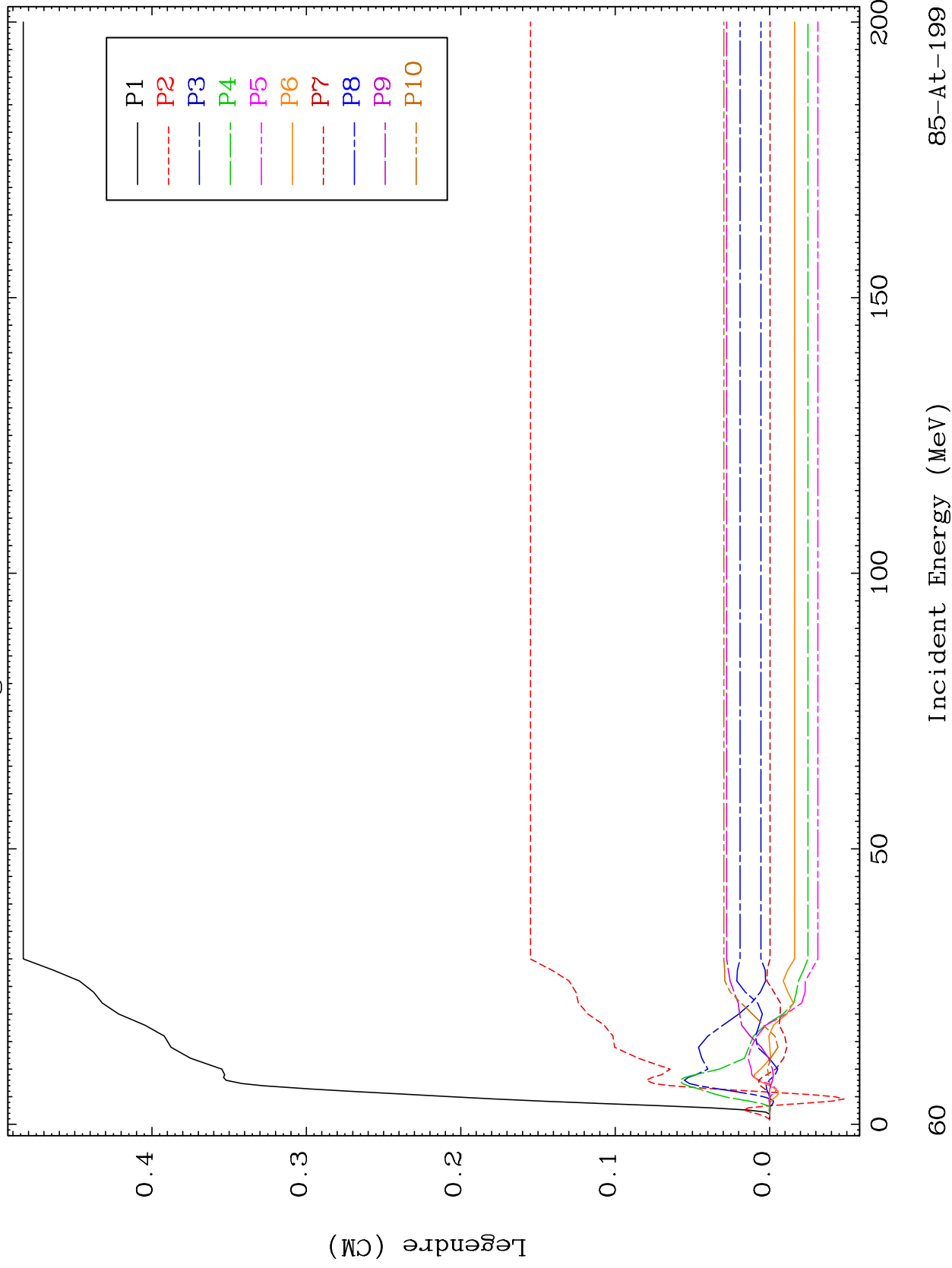
Incident Energy (MeV)

85-At-199

MAT 8513

MT= 61 (n,n') Level  
Legendre Coefficients

85-At-199



85-At-199

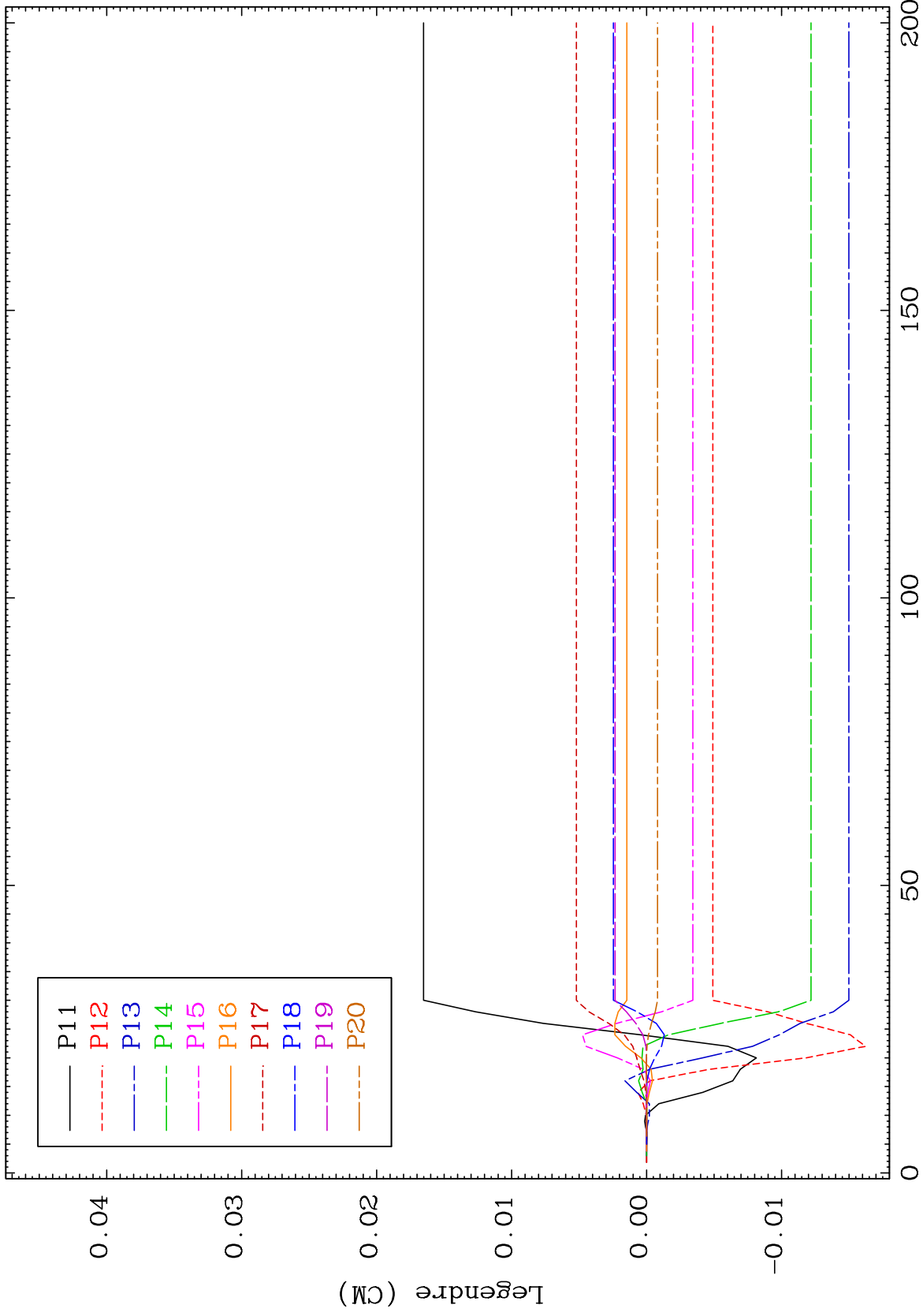
Incident Energy (MeV)

60

MAT 8513

MT= 61 (n,n') Level  
Legendre Coefficients

85-At-199



61

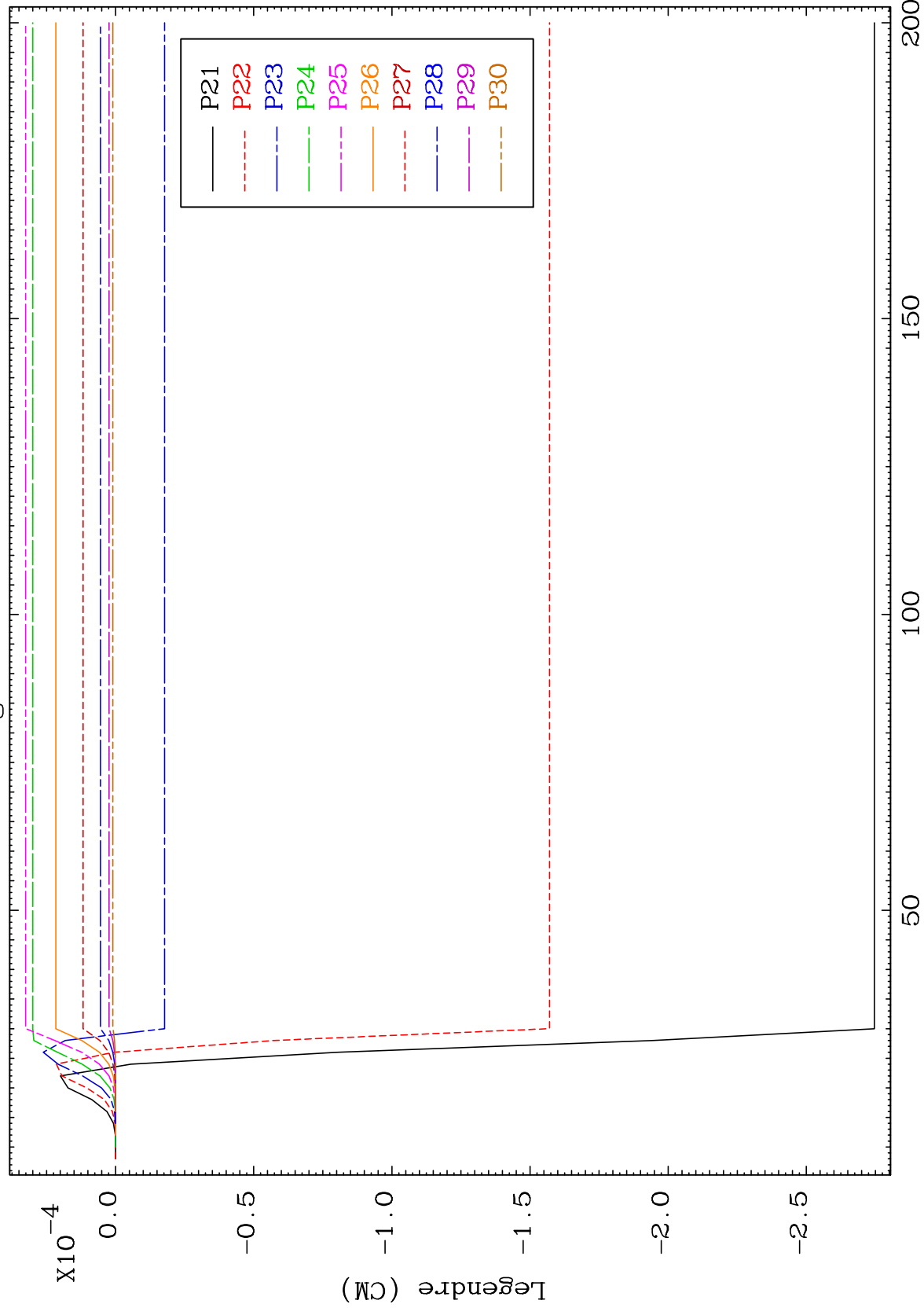
Incident Energy (MeV)

85-At-199

MAT 8513

MT= 61 (n,n') Level  
Legendre Coefficients

85-At-199



62

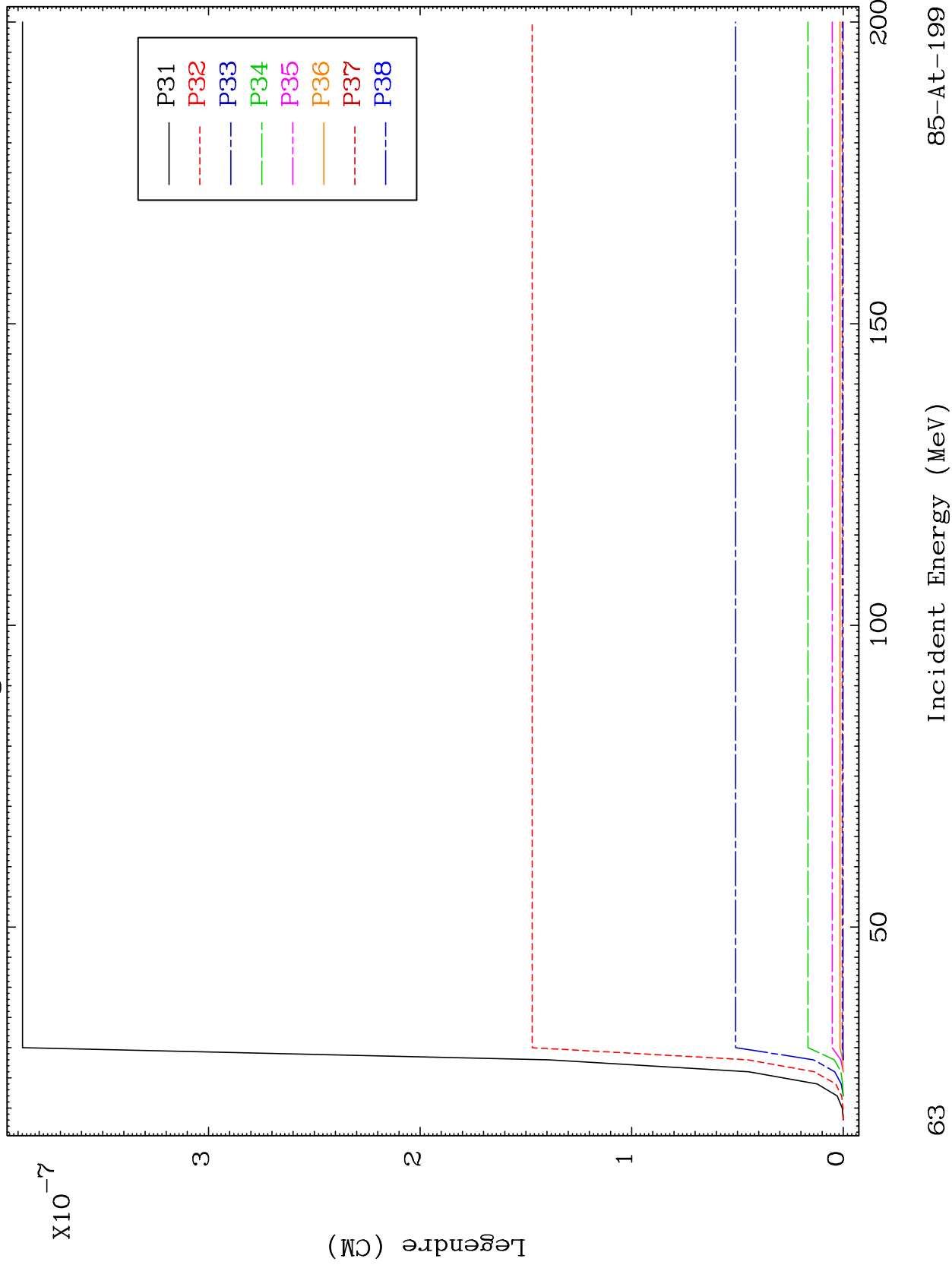
Incident Energy (MeV)

85-At-199

MAT 8513

MT= 61 (n,n') Level  
Legendre Coefficients

85-At-199

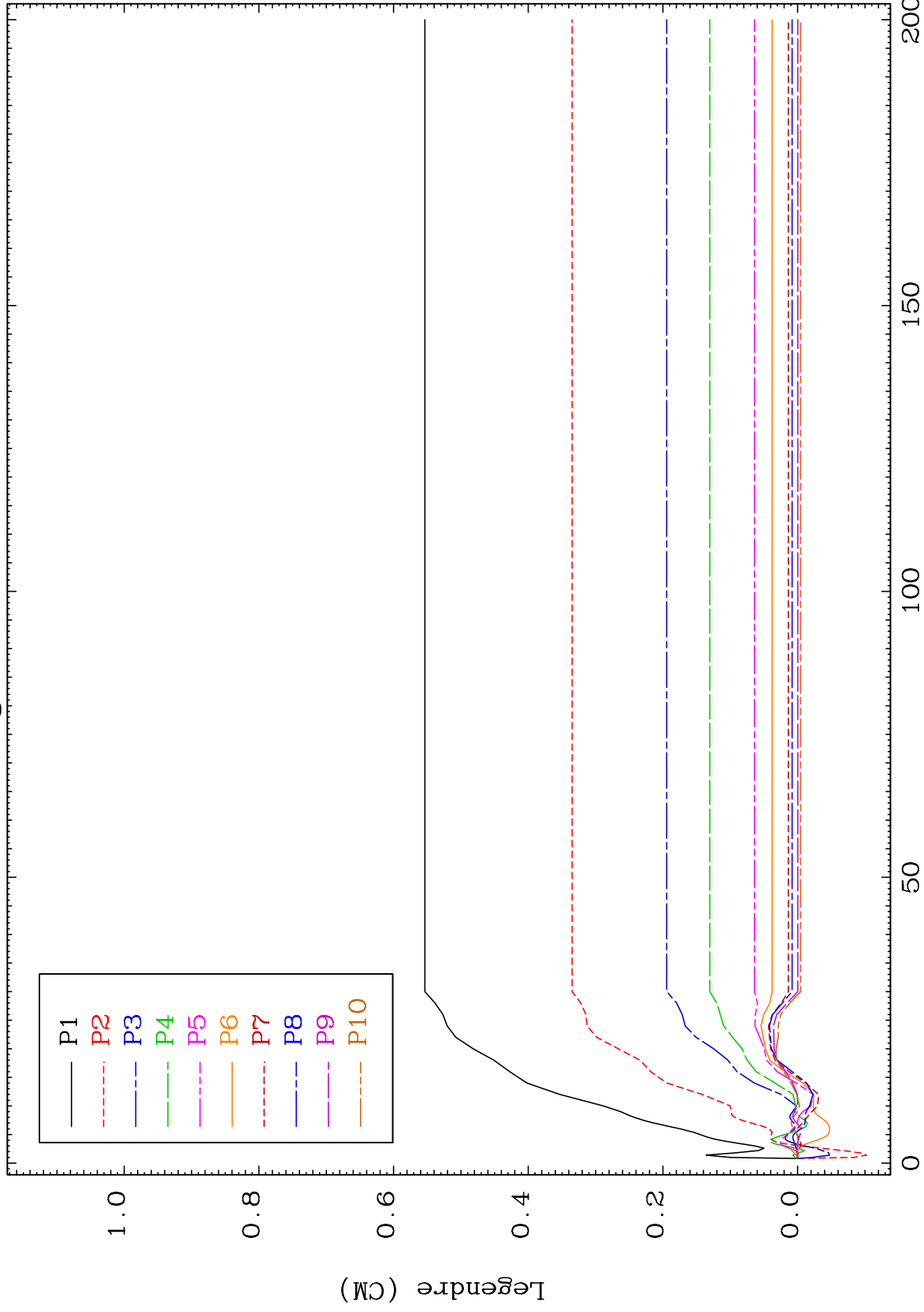




MAT 8513

MT= 62 (n,n') Level  
Legendre Coefficients

85-At-199



64

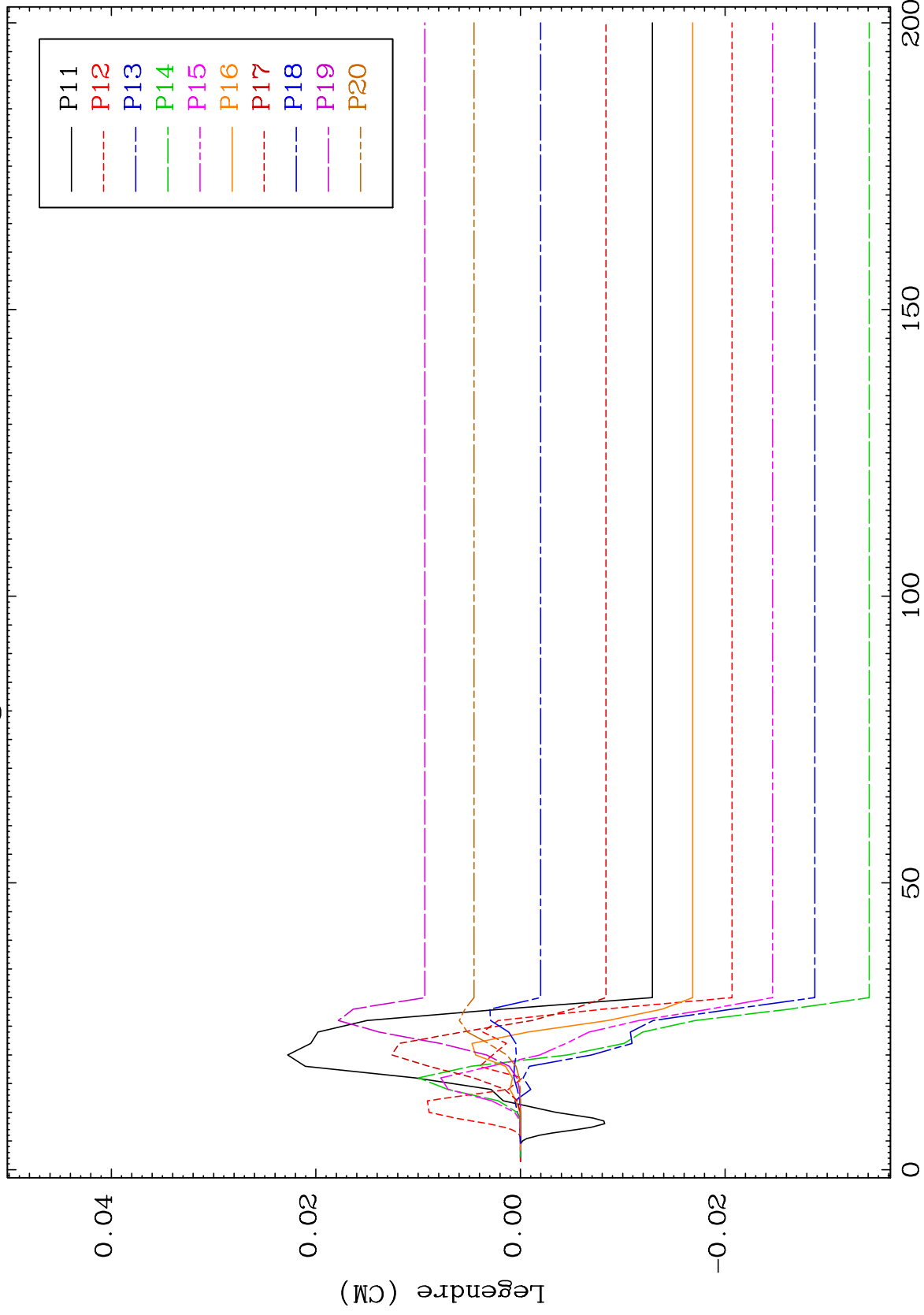
Incident Energy (MeV)

85-At-199

MAT 8513

MT= 62 (n,n') Level  
Legendre Coefficients

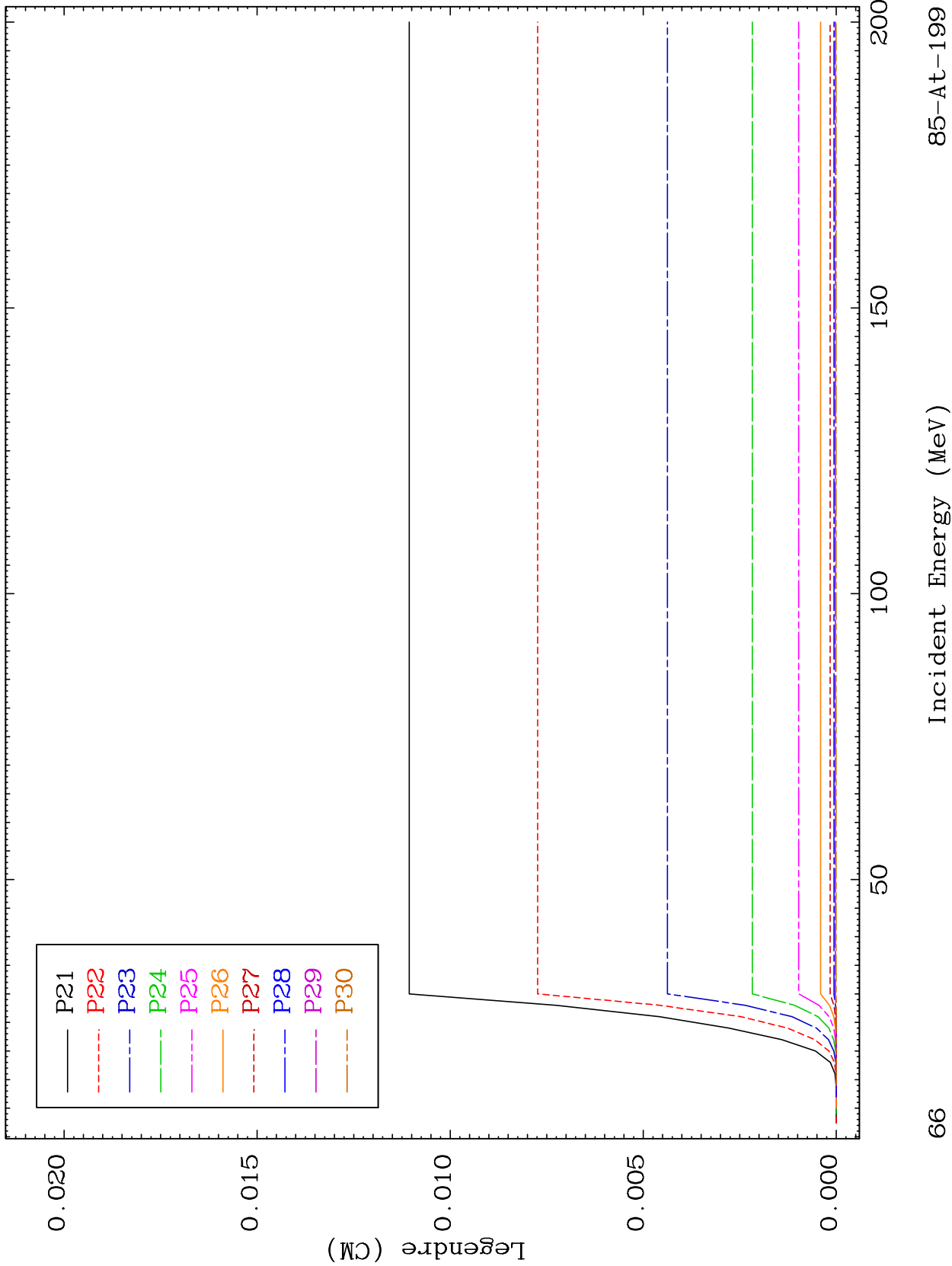
85-At-199



65

Incident Energy (MeV)

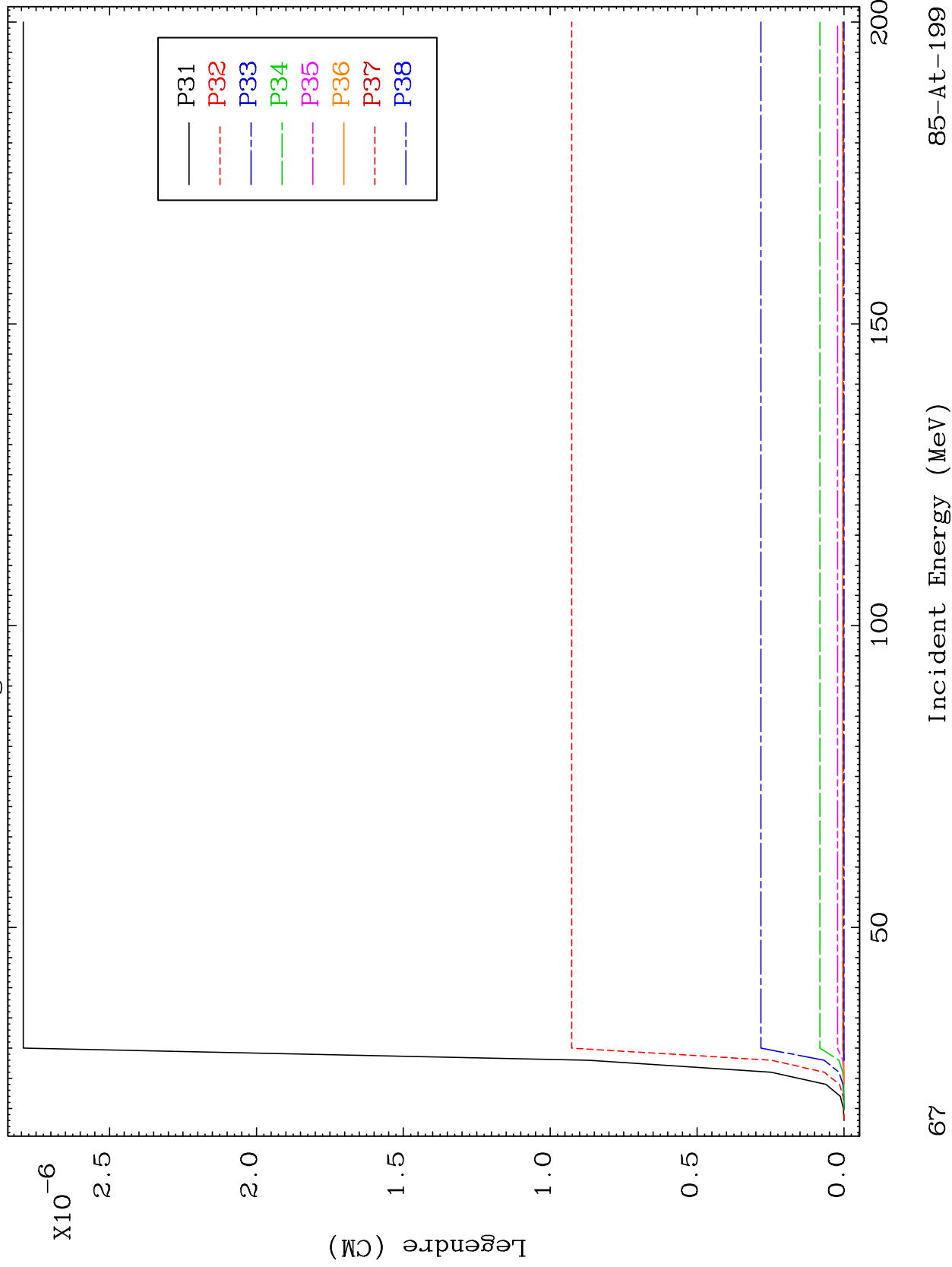
85-At-199



MAT 8513

MT= 62 (n,n') Level  
Legendre Coefficients

85-At-199

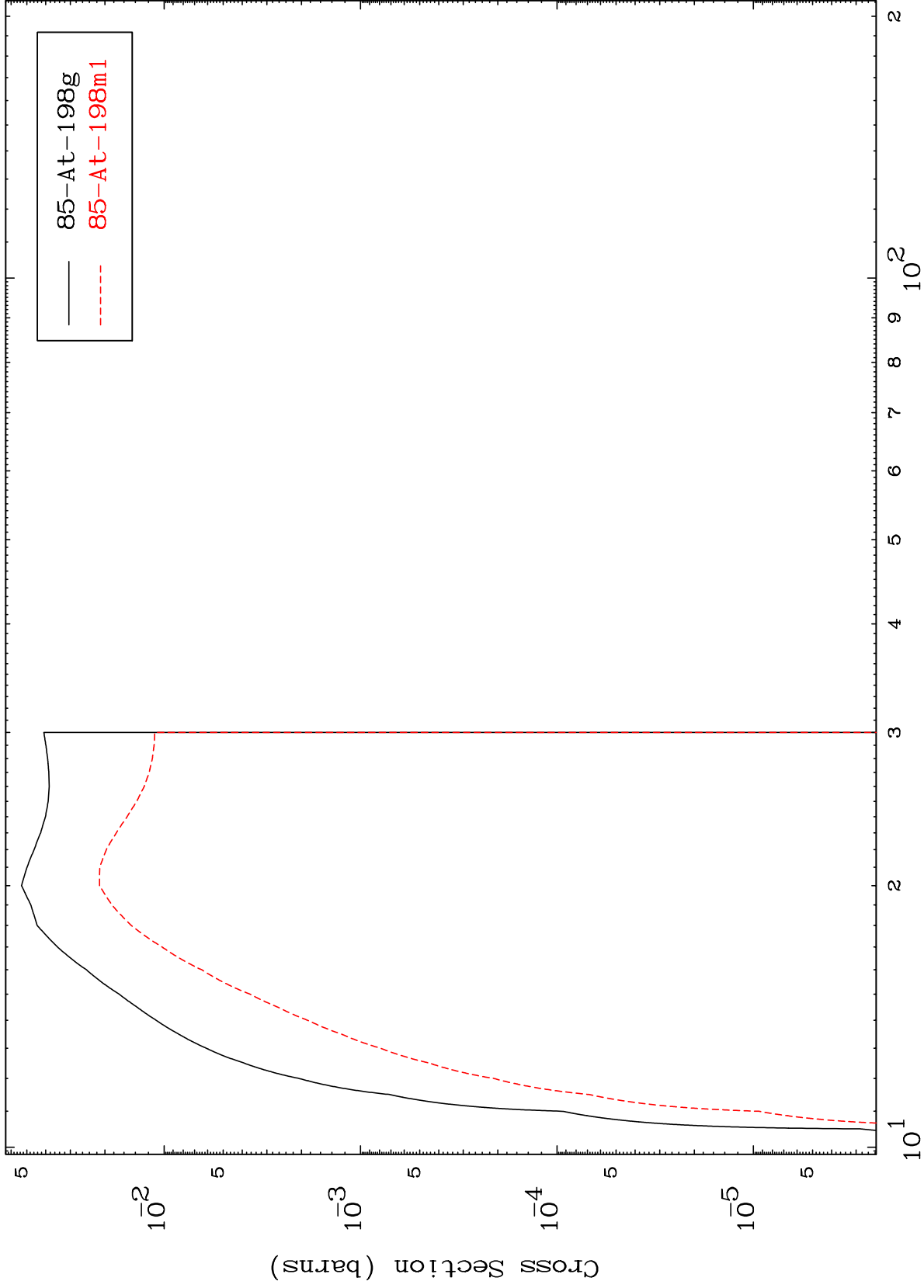


MAT 8513

(n,2n)

85-At-199

Radionuclide Production Cross Section

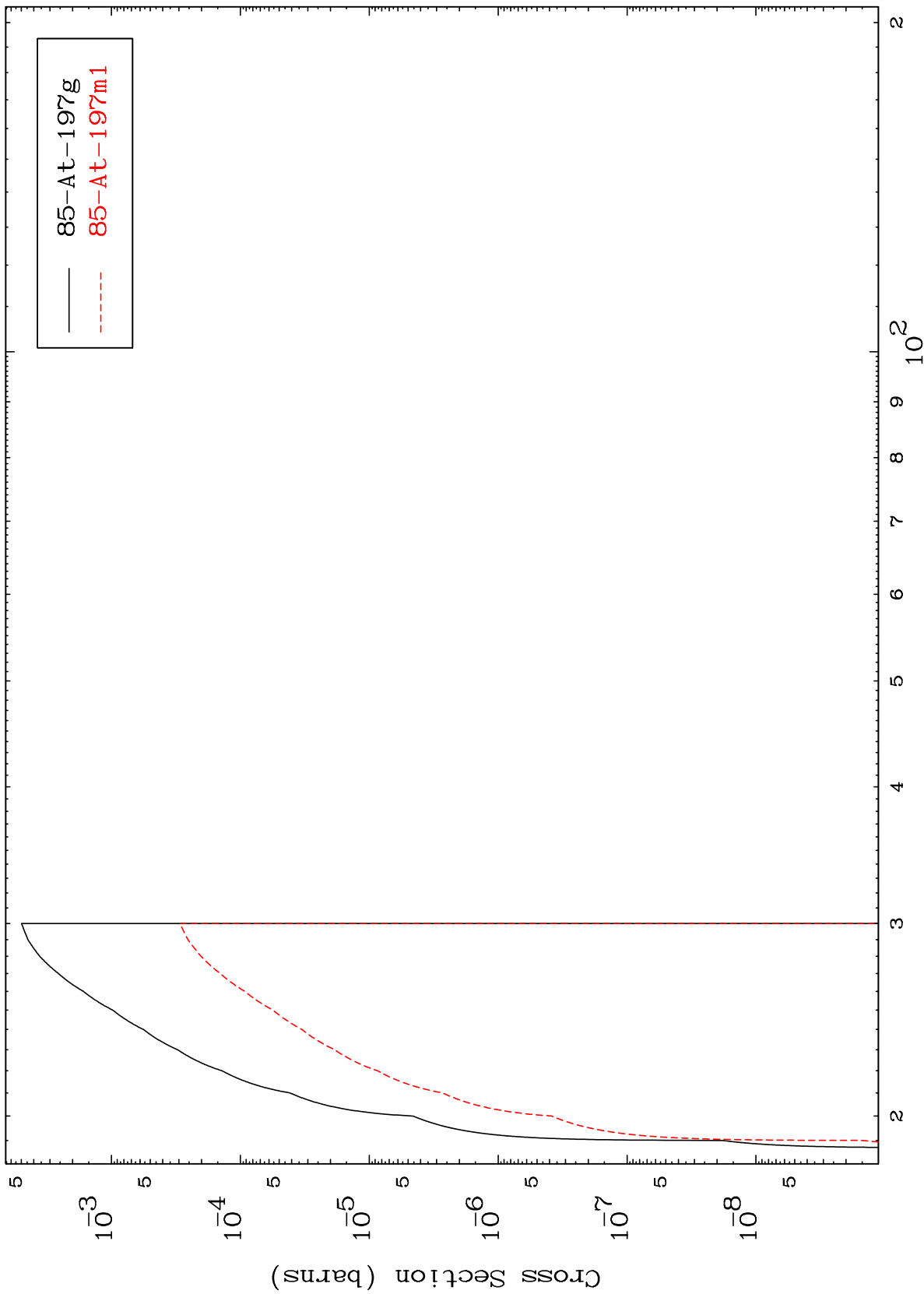


Incident Energy (MeV)

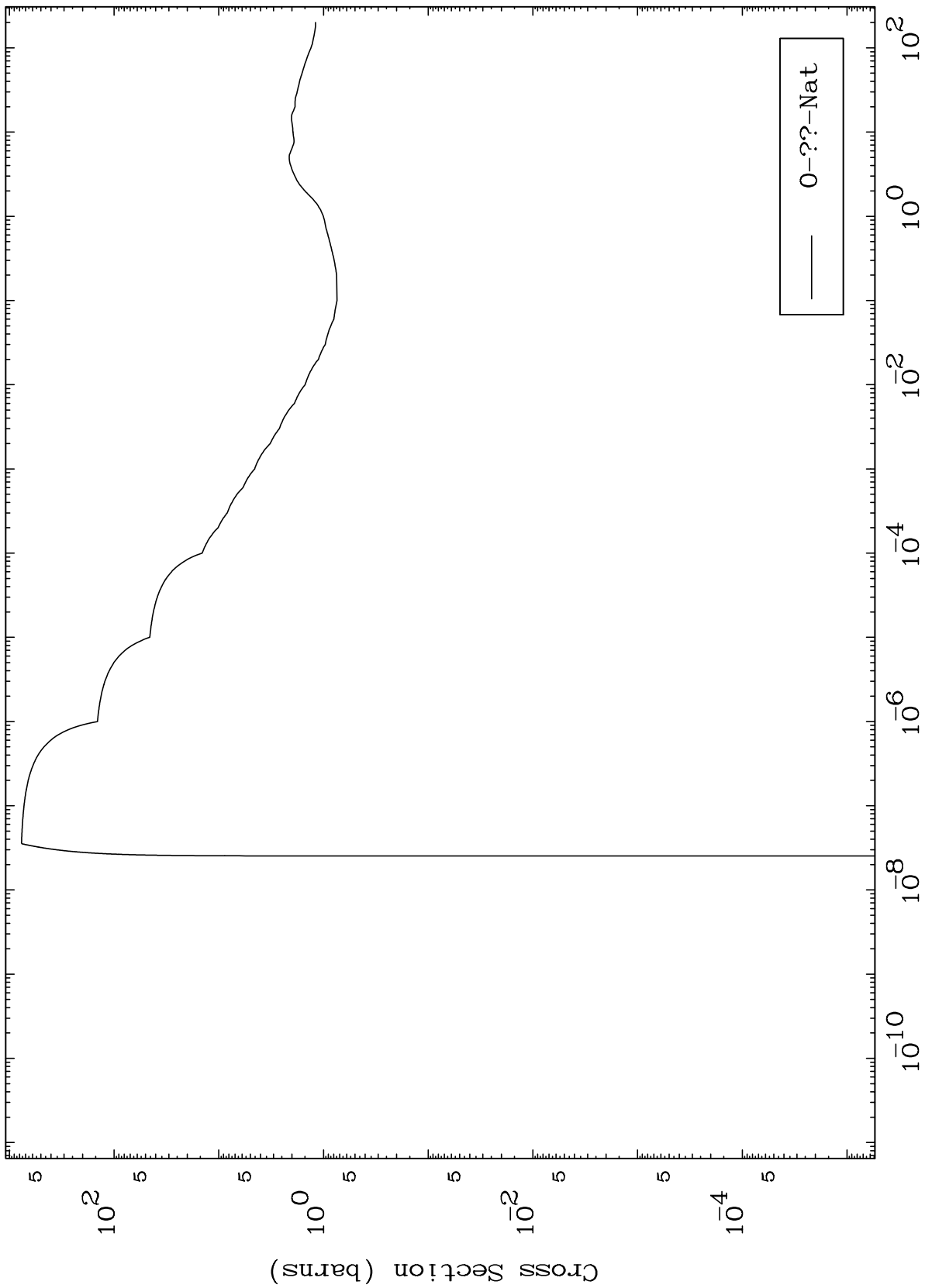
85-At-199

68

(n,3n)  
Radionuclide Production Cross Section



Fission  
Radionuclide Production Cross Section

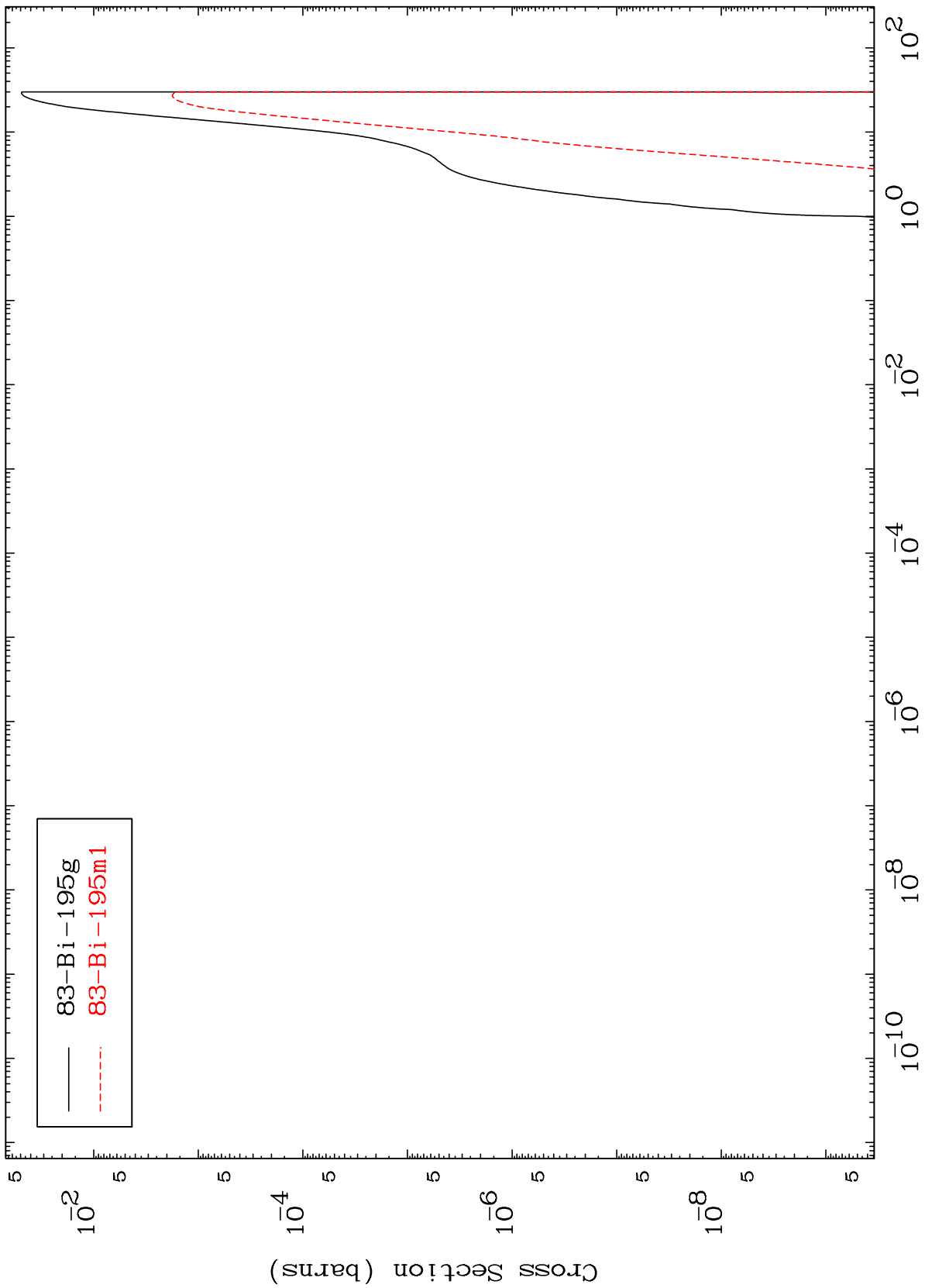


MAT 8513

$(n, n') \alpha$

85-At-199

Radionuclide Production Cross Section



83-Bi-195g  
83-Bi-195m1

71

Incident Energy (MeV)

85-At-199

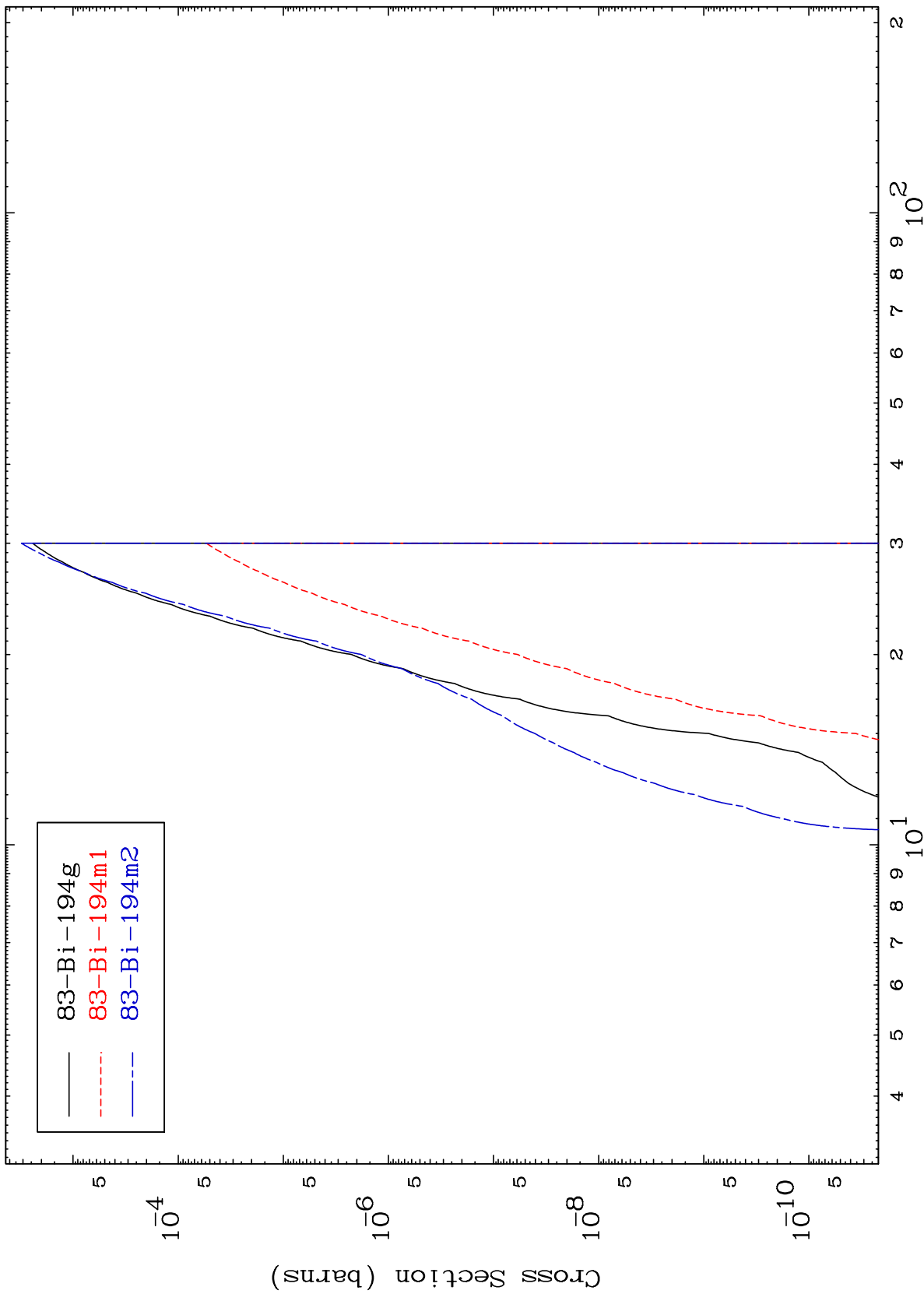


MAT 8513

85-At-199

(n,2n)  $\alpha$

Radionuclide Production Cross Section



83-Bi-194g  
83-Bi-194m1  
83-Bi-194m2

72

Incident Energy (MeV)

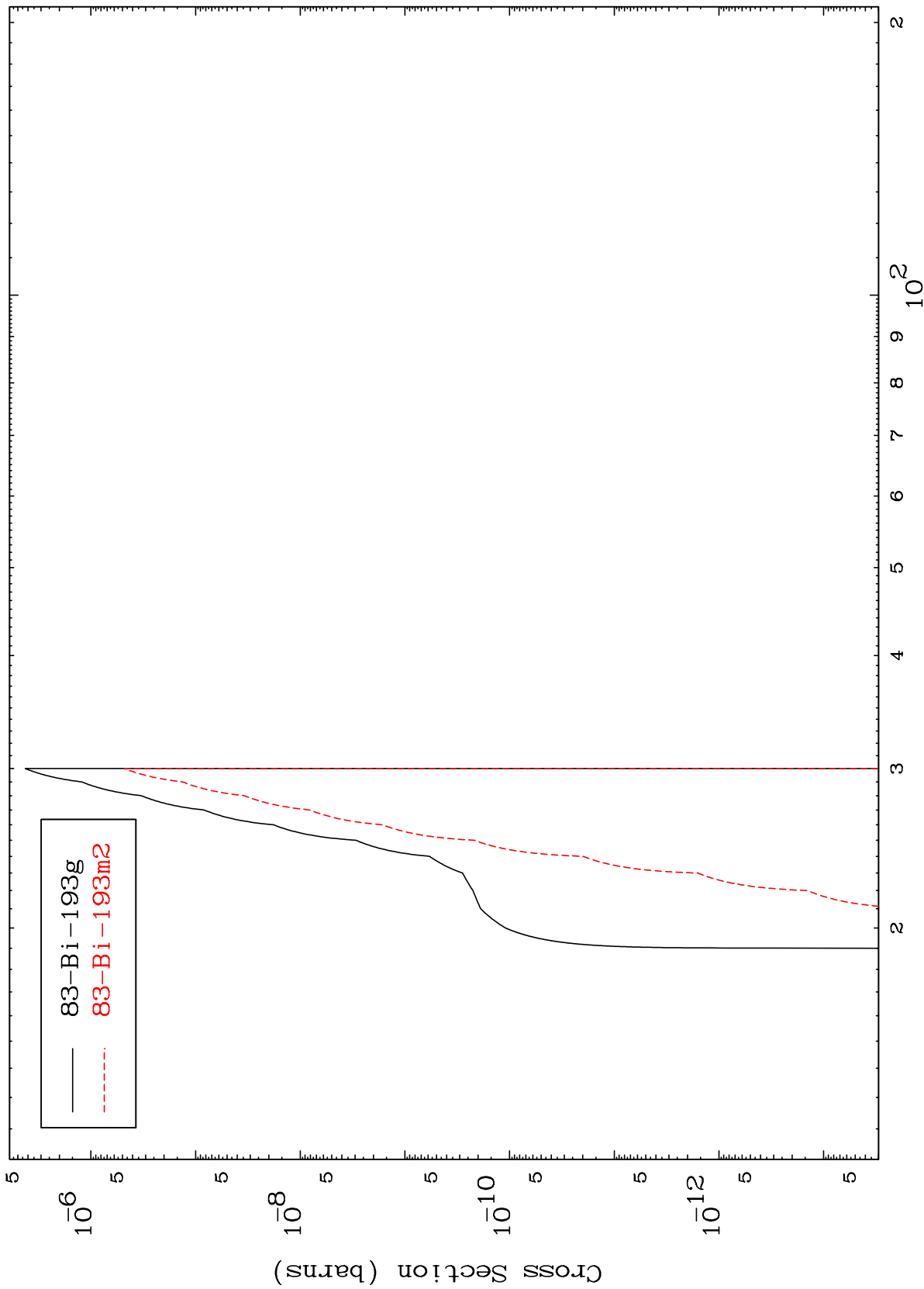
85-At-199

MAT 8513

(n,3n)  $\alpha$

85-At-199

Radionuclide Production Cross Section



73

Incident Energy (MeV)

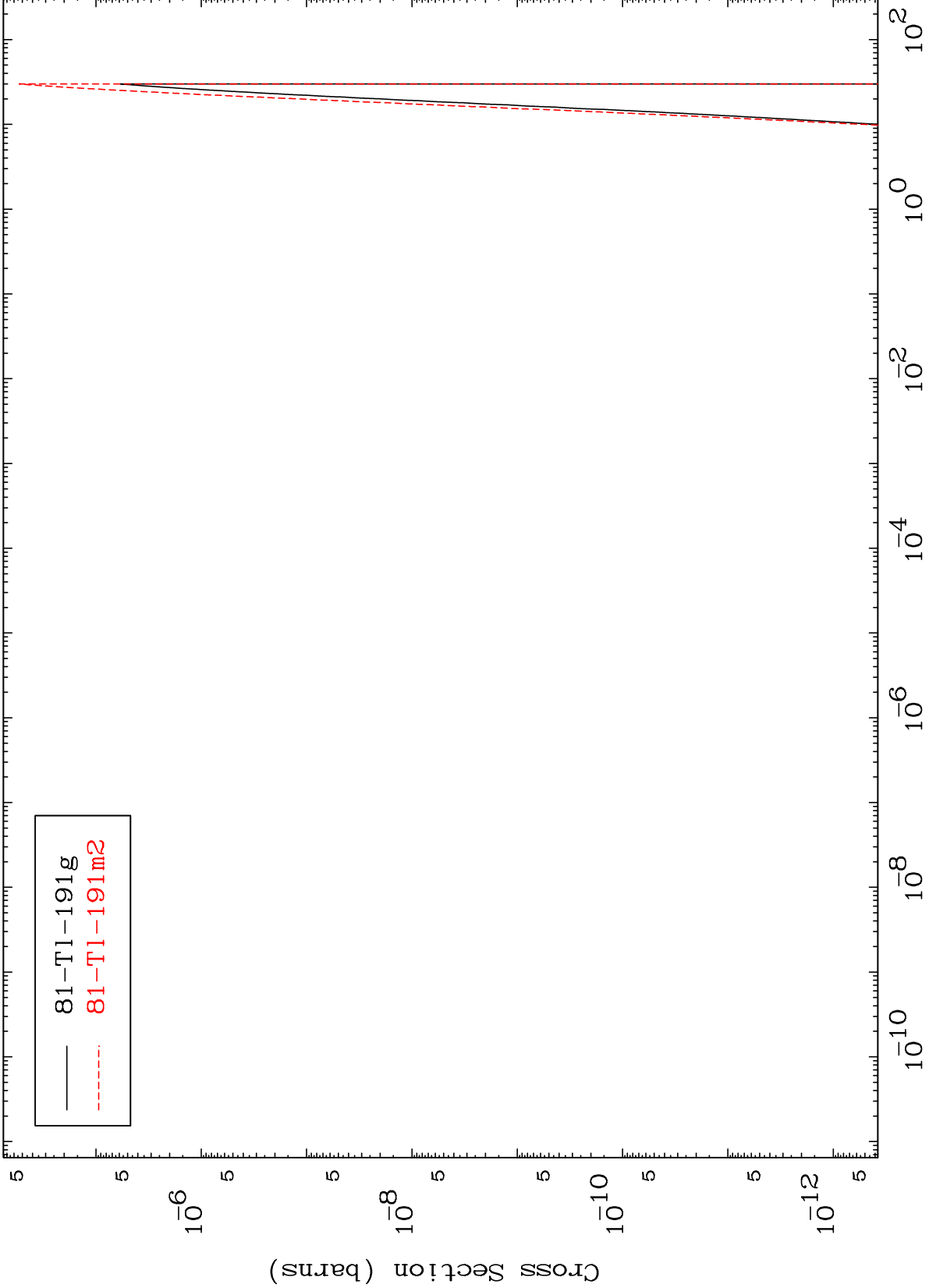
85-At-199

MAT 8513

(n,n') 2α

85-At-199

Radionuclide Production Cross Section



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

74

Incident Energy (MeV)

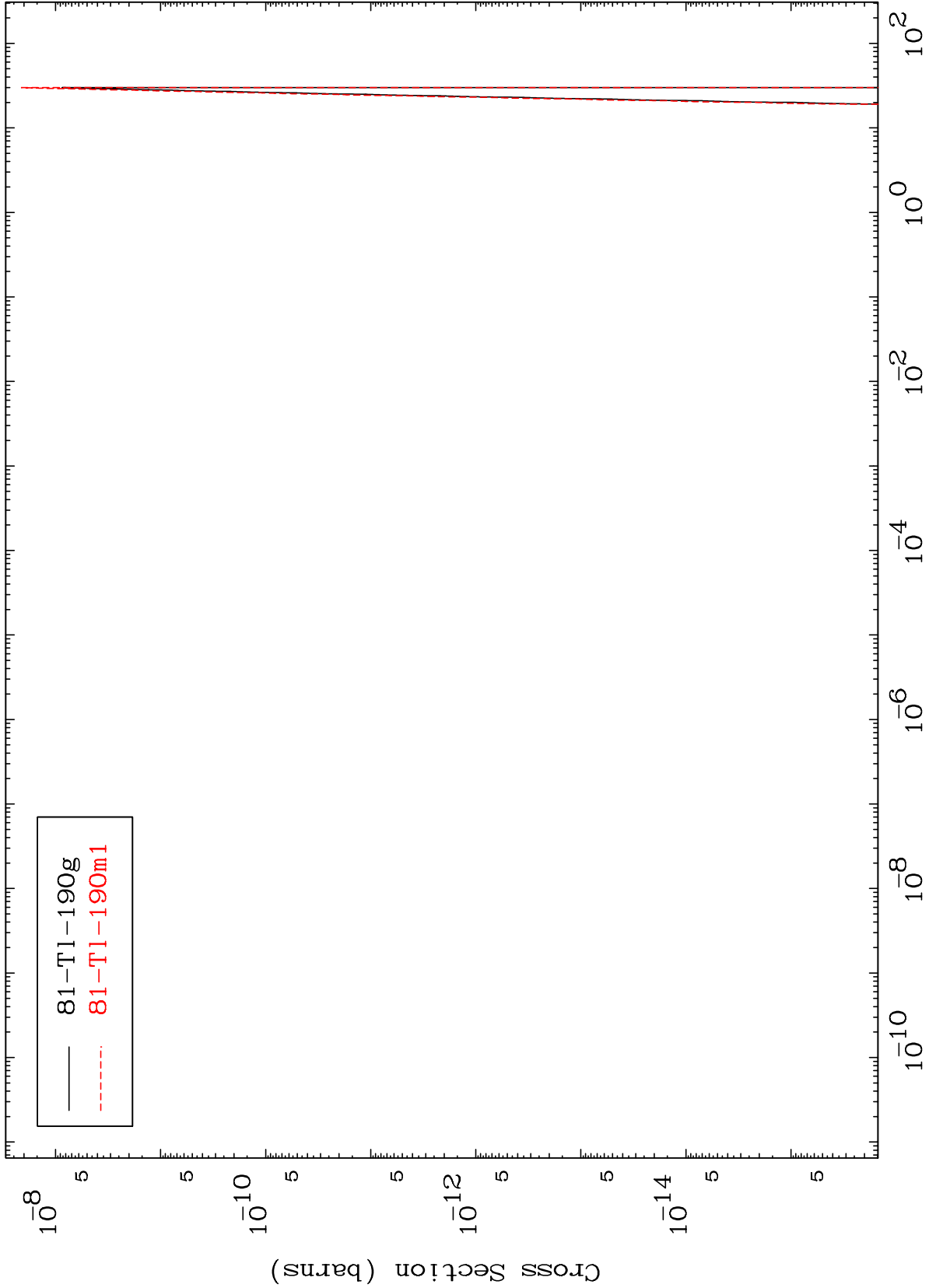
85-At-199

MAT 8513

(n,2n) 2α

85-At-199

Radionuclide Production Cross Section



81-Tl-190g  
81-Tl-190m1

75

Incident Energy (MeV)

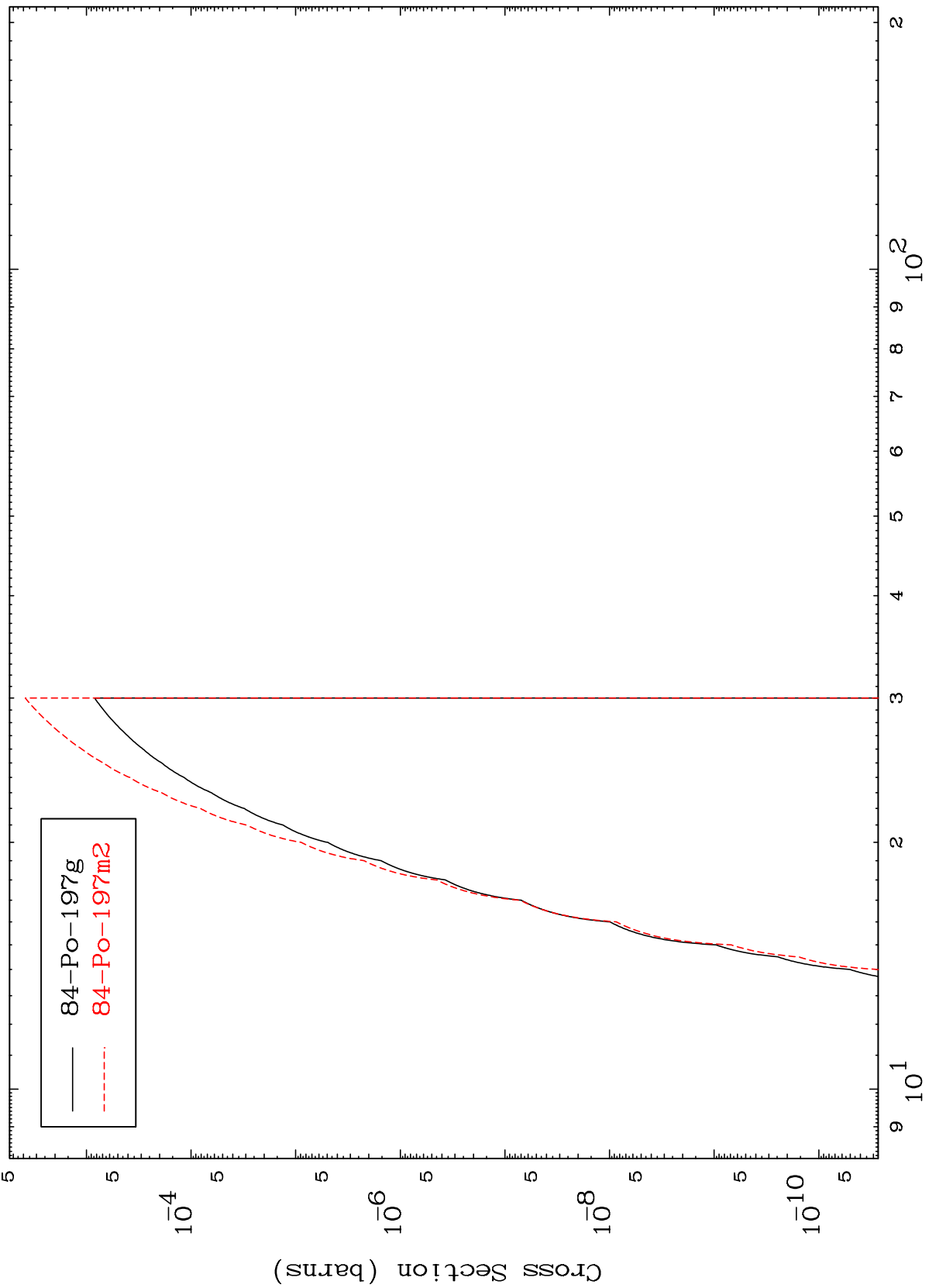
85-At-199

MAT 8513

(n,n') d

85-At-199

Radionuclide Production Cross Section



76

Incident Energy (MeV)

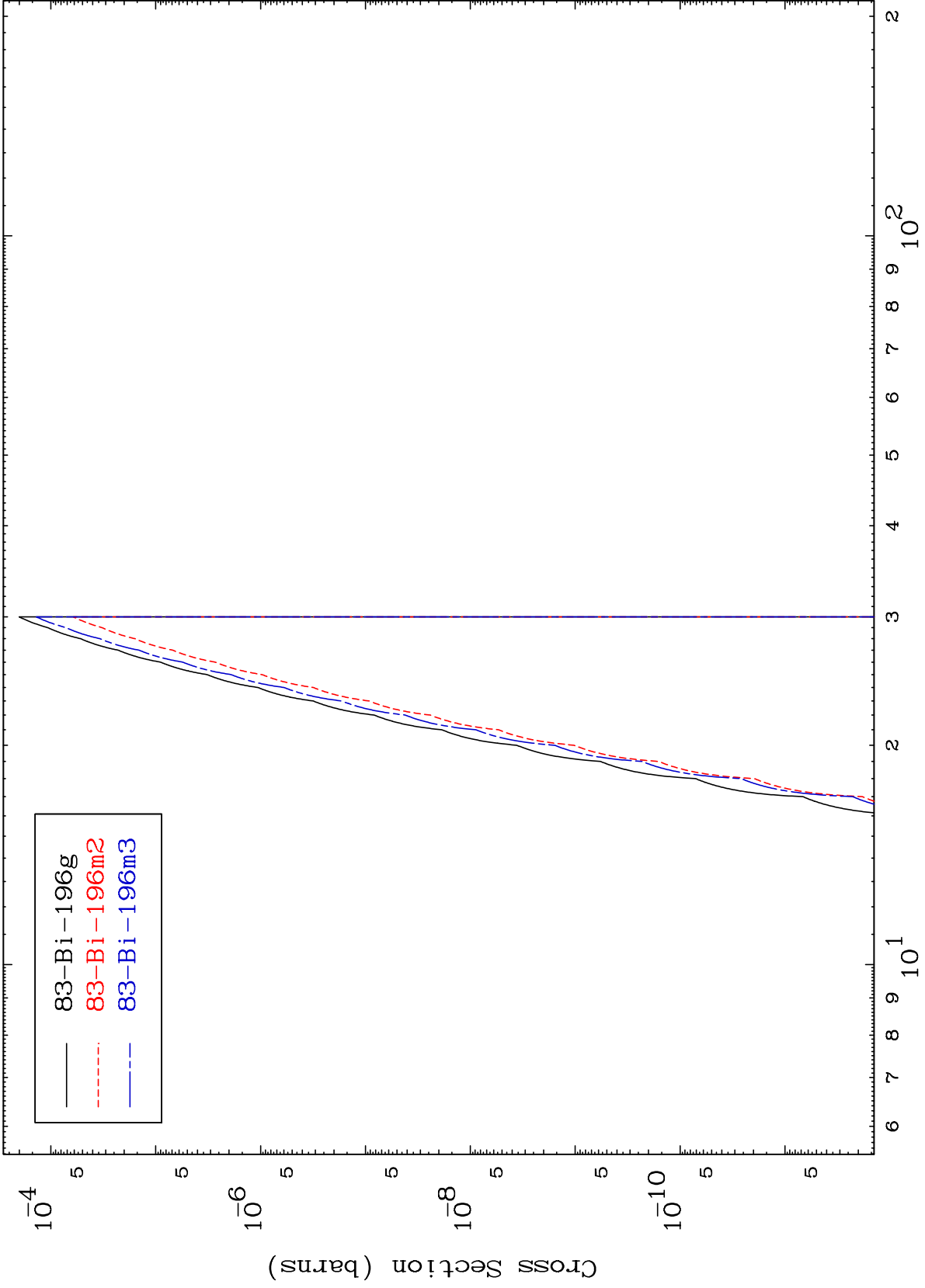
85-At-199

MAT 8513

(n,n') He-3

85-At-199

Radionuclide Production Cross Section



77

Incident Energy (MeV)

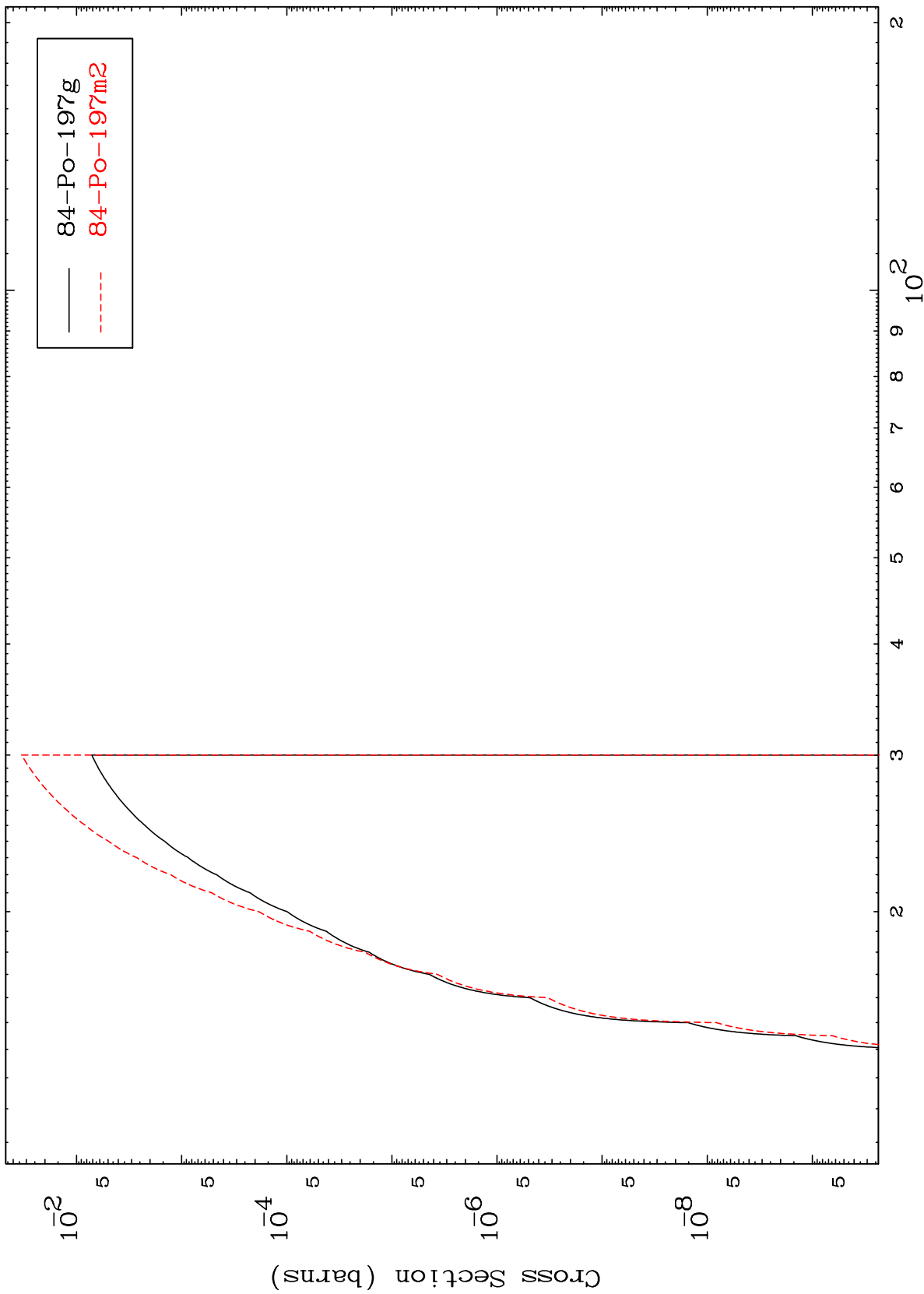
85-At-199

MAT 8513

(n,2n) p

85-At-199

Radionuclide Production Cross Section



78

Incident Energy (MeV)

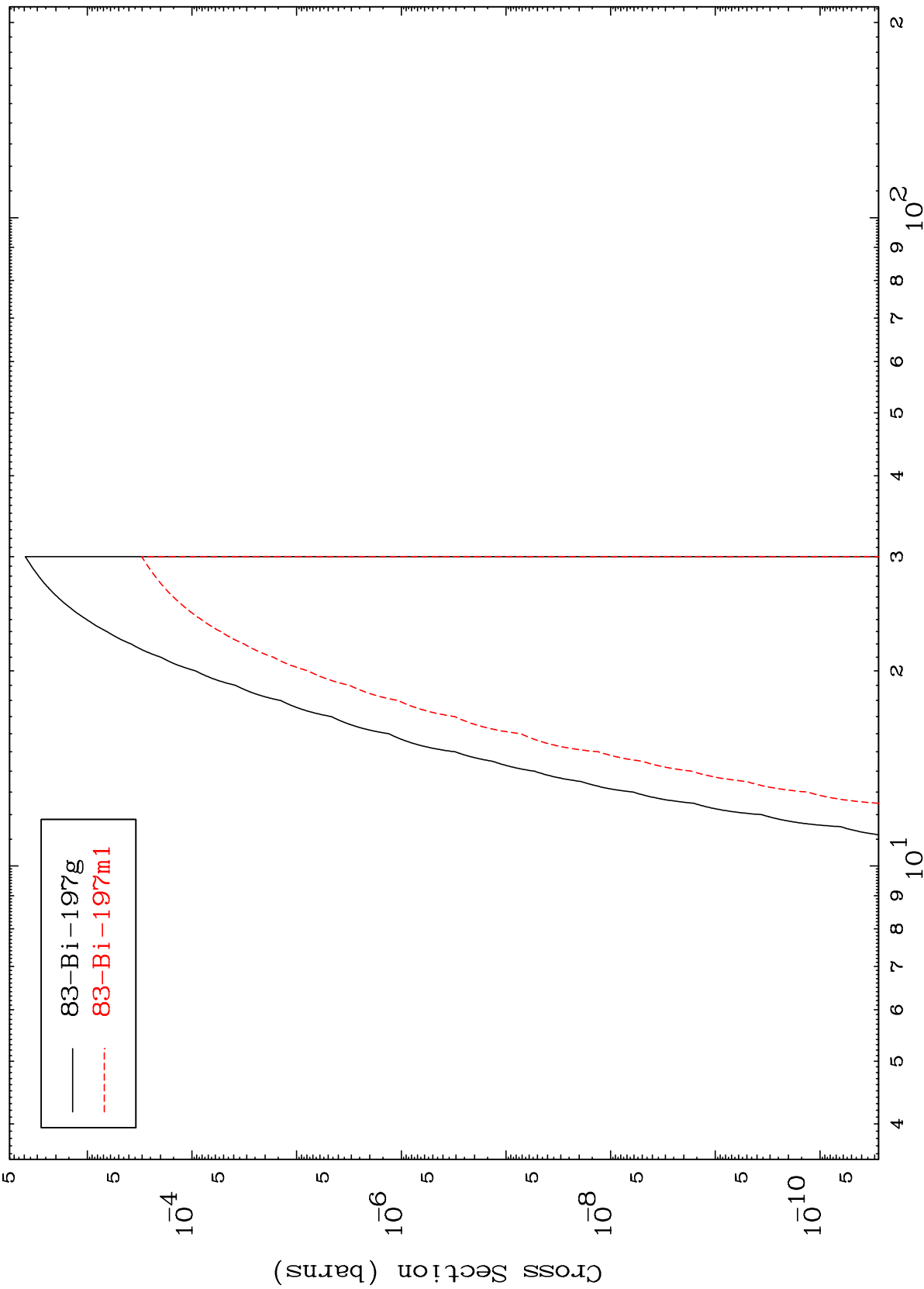
85-At-199

MAT 8513

(n,2n) p

85-At-199

Radionuclide Production Cross Section



83-Bi-197g  
83-Bi-197m1

79

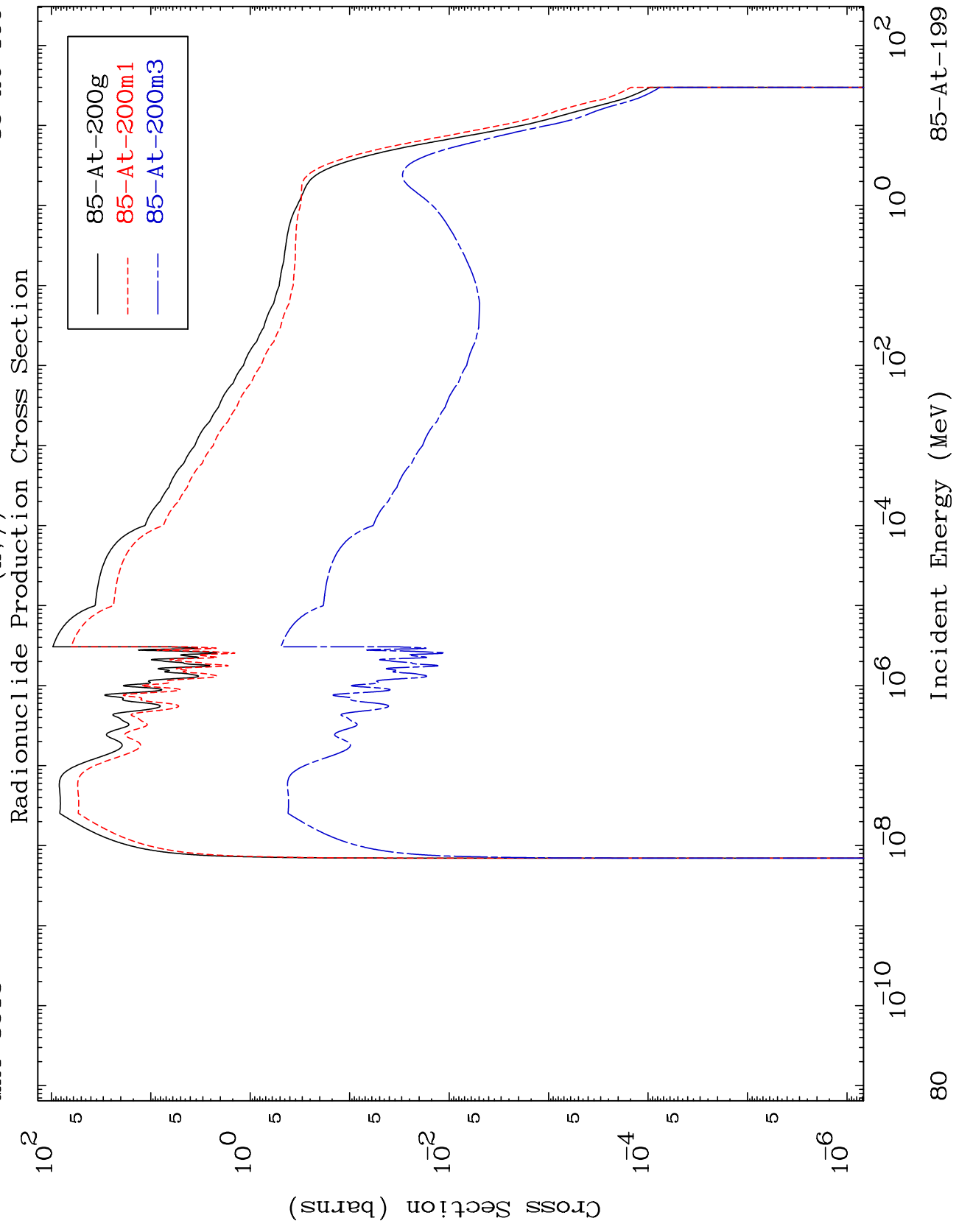
Incident Energy (MeV)

85-At-199



MAT 8513

85-At-199

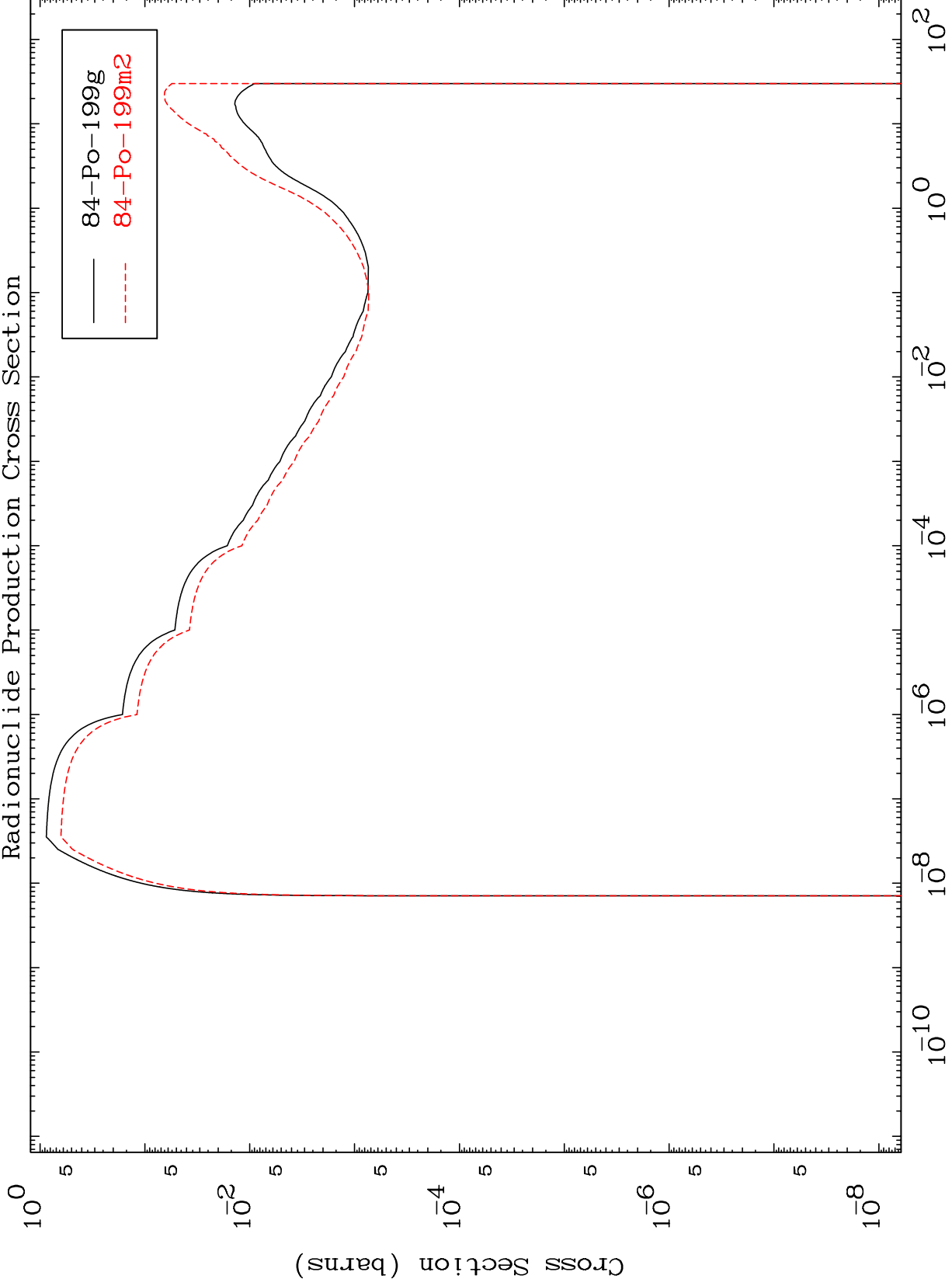


80

MAT 8513

85-At-199

(n,p)  
Radionuclide Production Cross Section



— 84-Po-199g  
- - - 84-Po-199m2

81

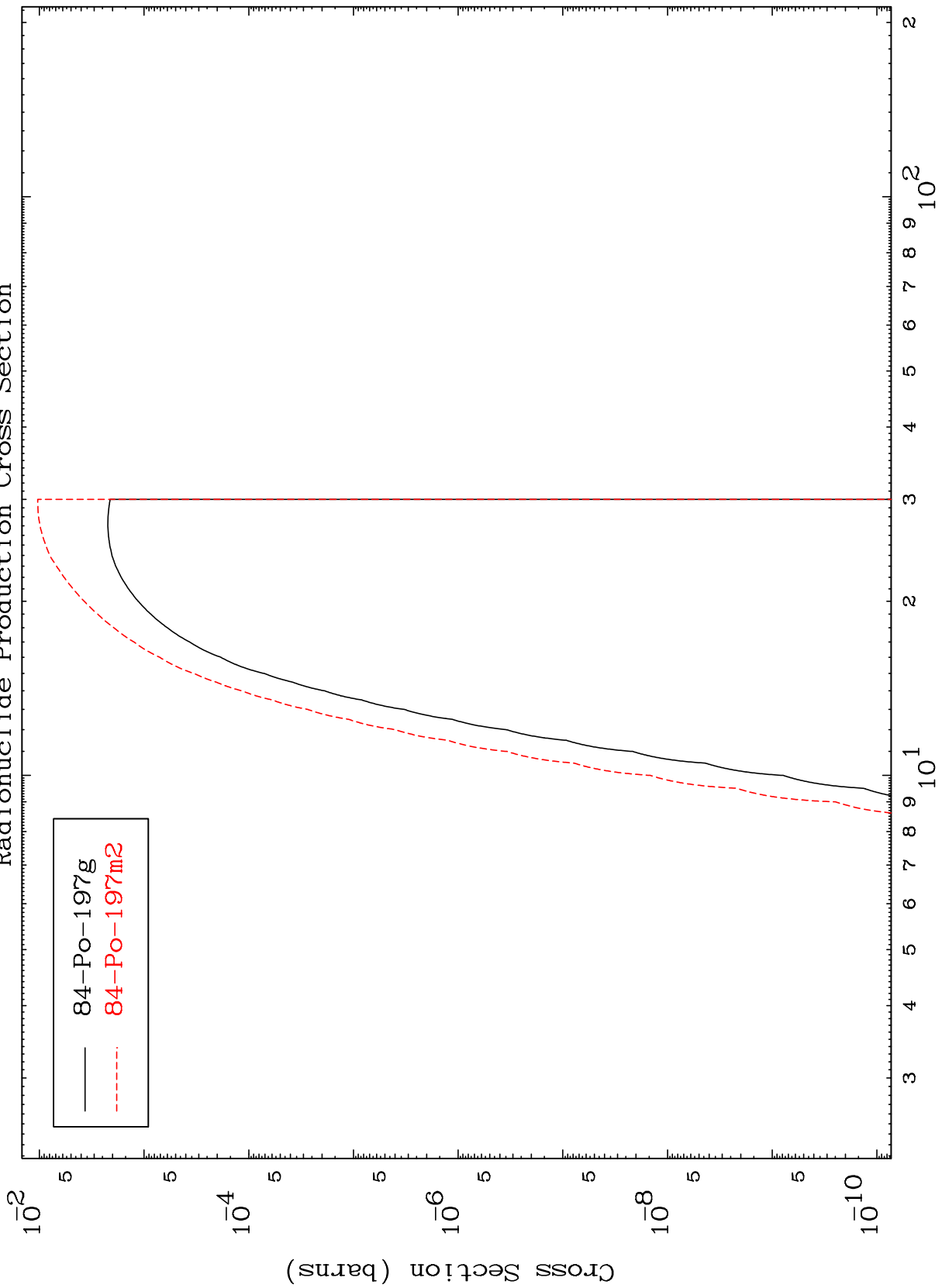
85-At-199

Incident Energy (MeV)

MAT 8513

85-At-199

(n, t)  
Radionuclide Production Cross Section



— 84-Po-197g  
- - - 84-Po-197m2

82

Incident Energy (MeV)

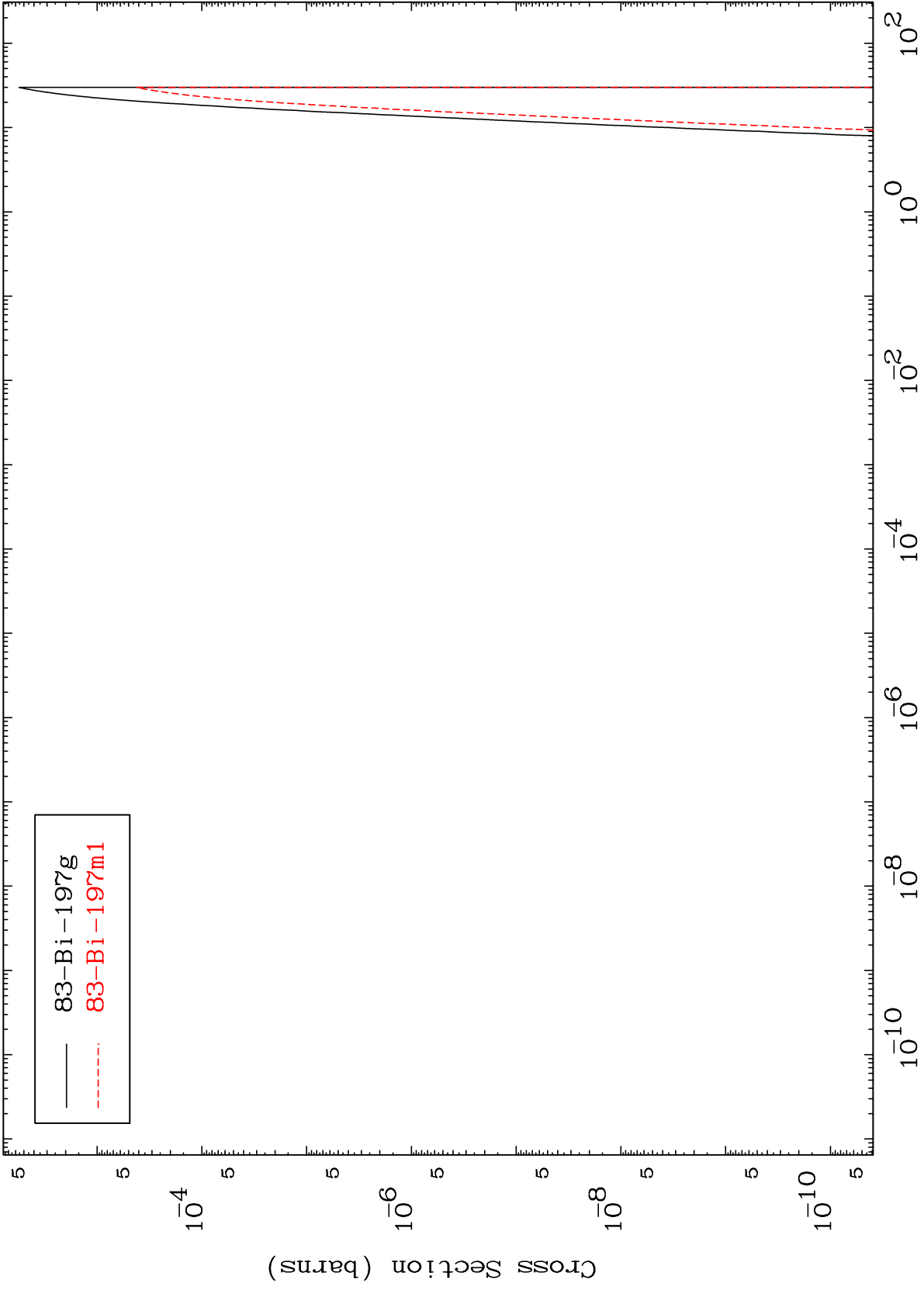
85-At-199

MAT 8513

(n,He-3)

85-At-199

Radionuclide Production Cross Section

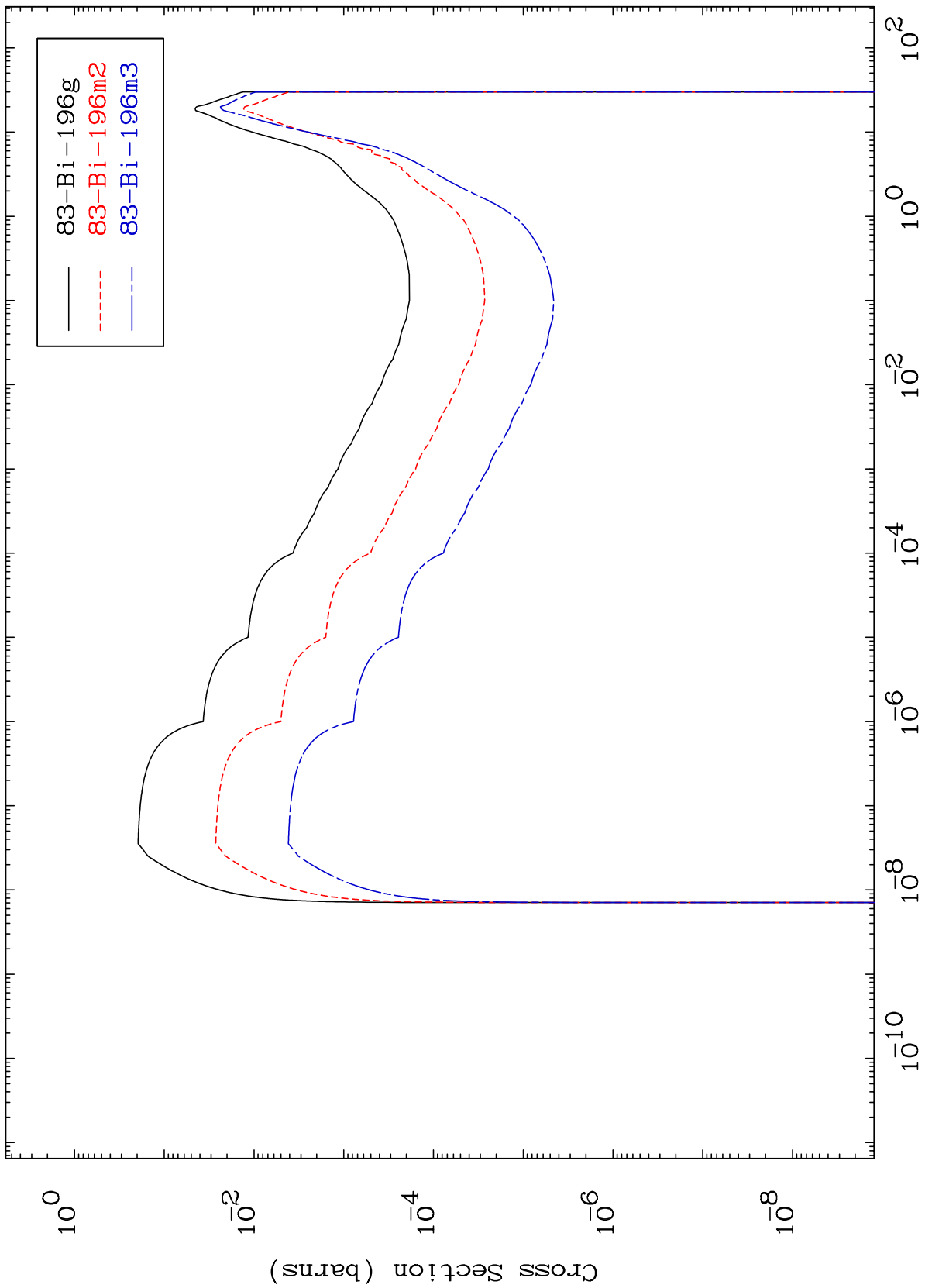


83

Incident Energy (MeV)

85-At-199

(n,α)  
Radionuclide Production Cross Section

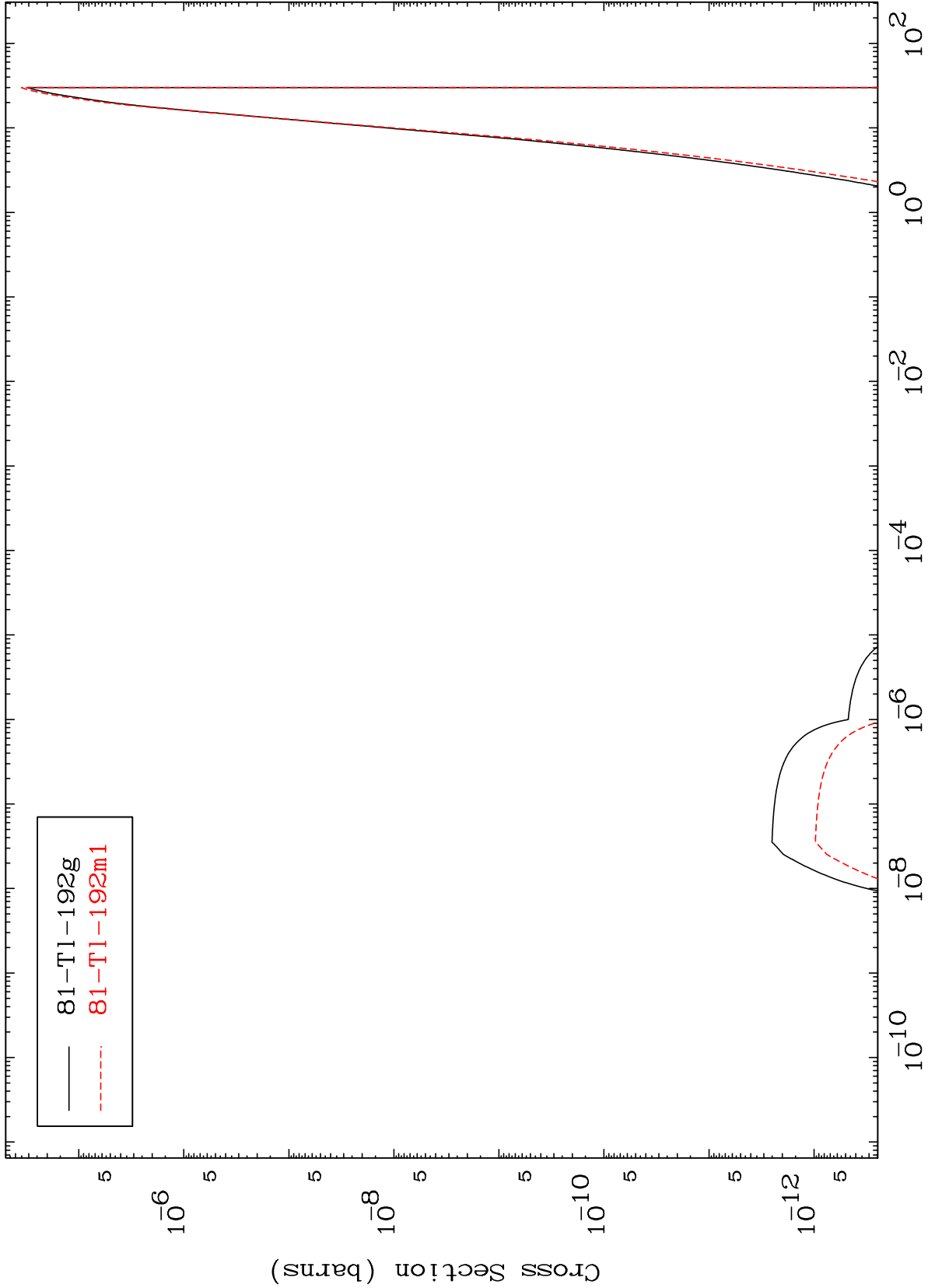
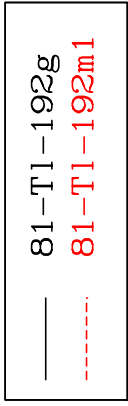


MAT 8513

(n,2α)

85-At-199

Radionuclide Production Cross Section

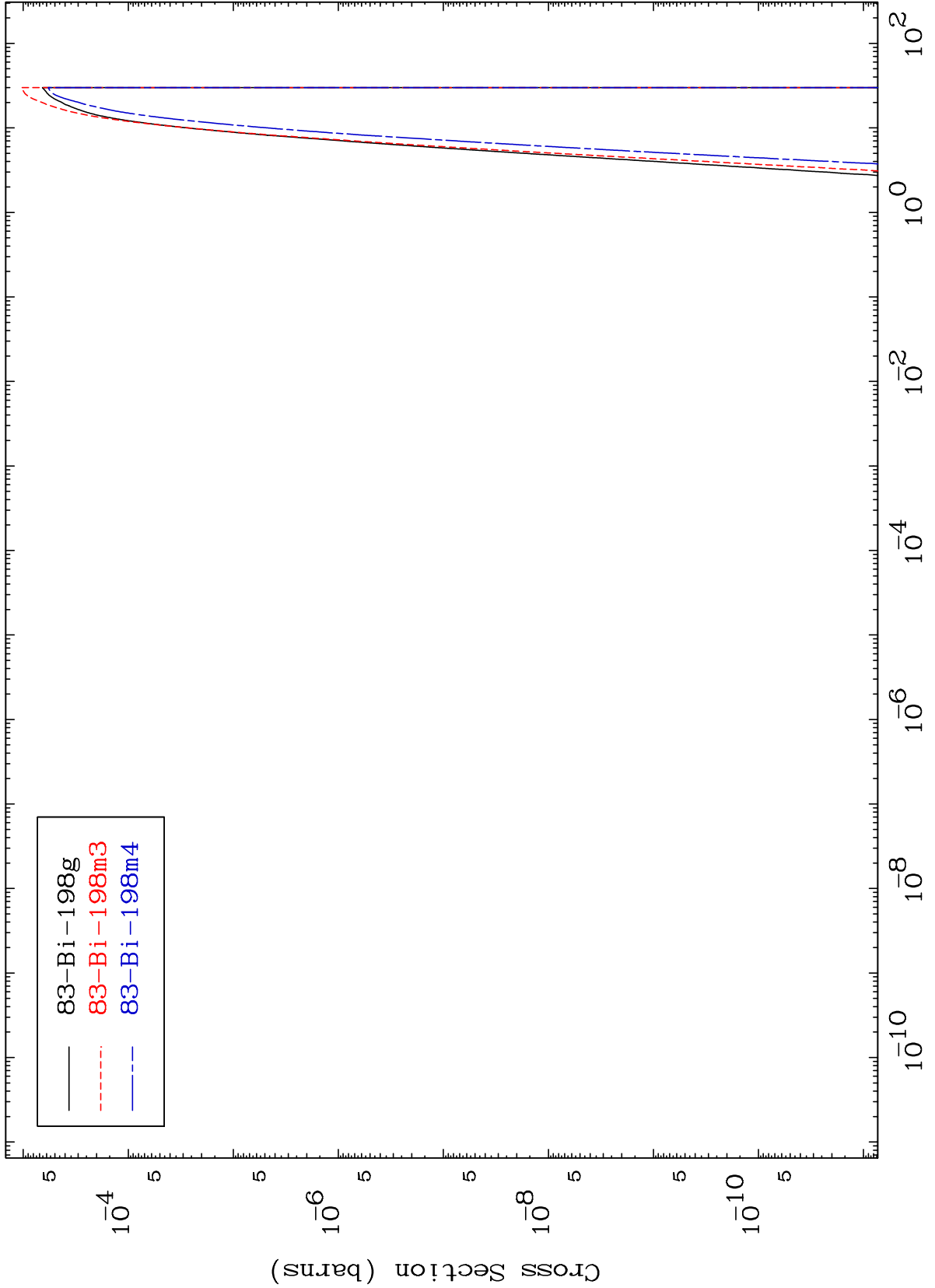


85

Incident Energy (MeV)

85-At-199

Radionuclide Production Cross Section

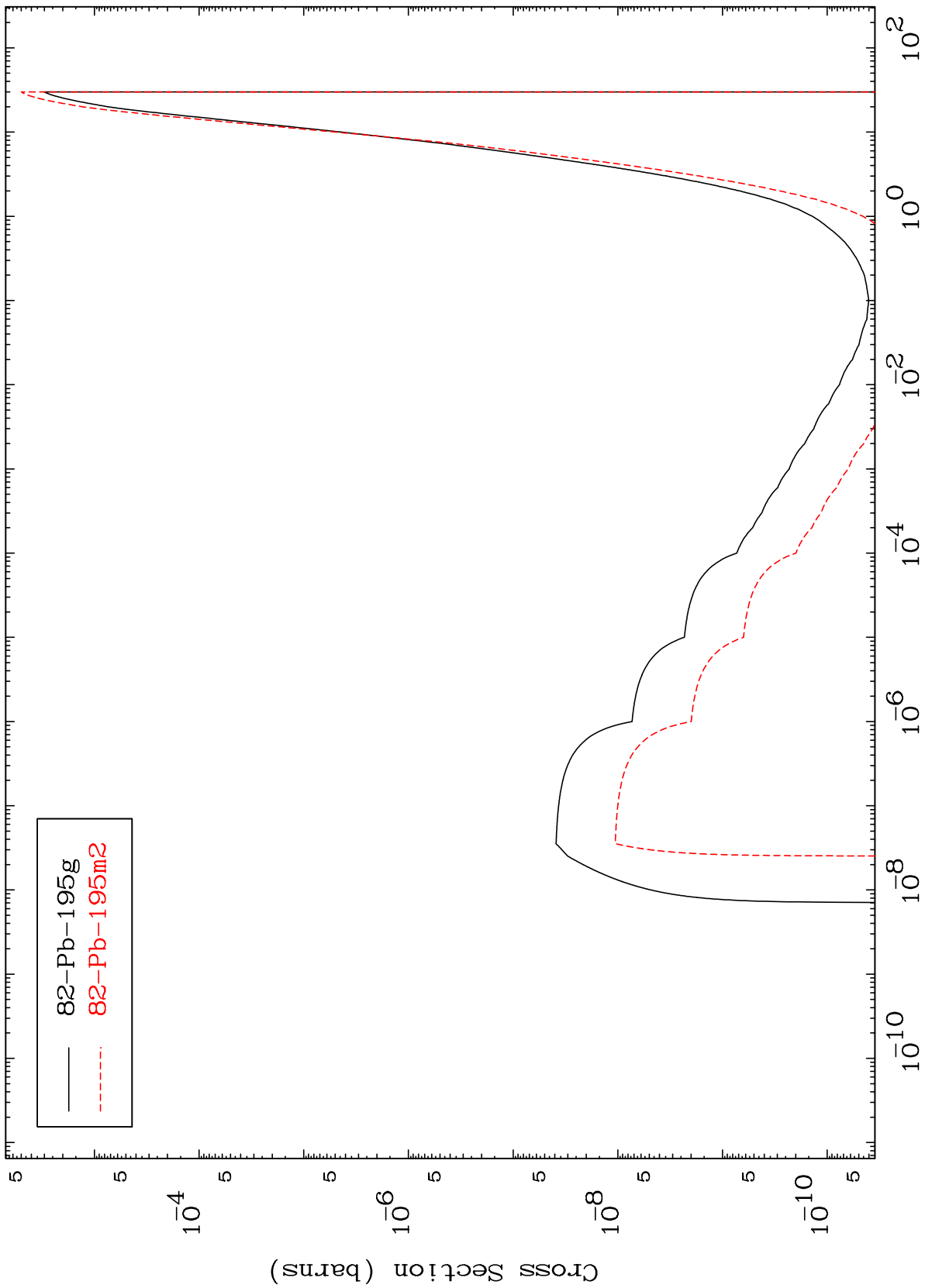


MAT 8513

(n,p)  $\alpha$

85-At-199

Radionuclide Production Cross Section



87

Incident Energy (MeV)

85-At-199

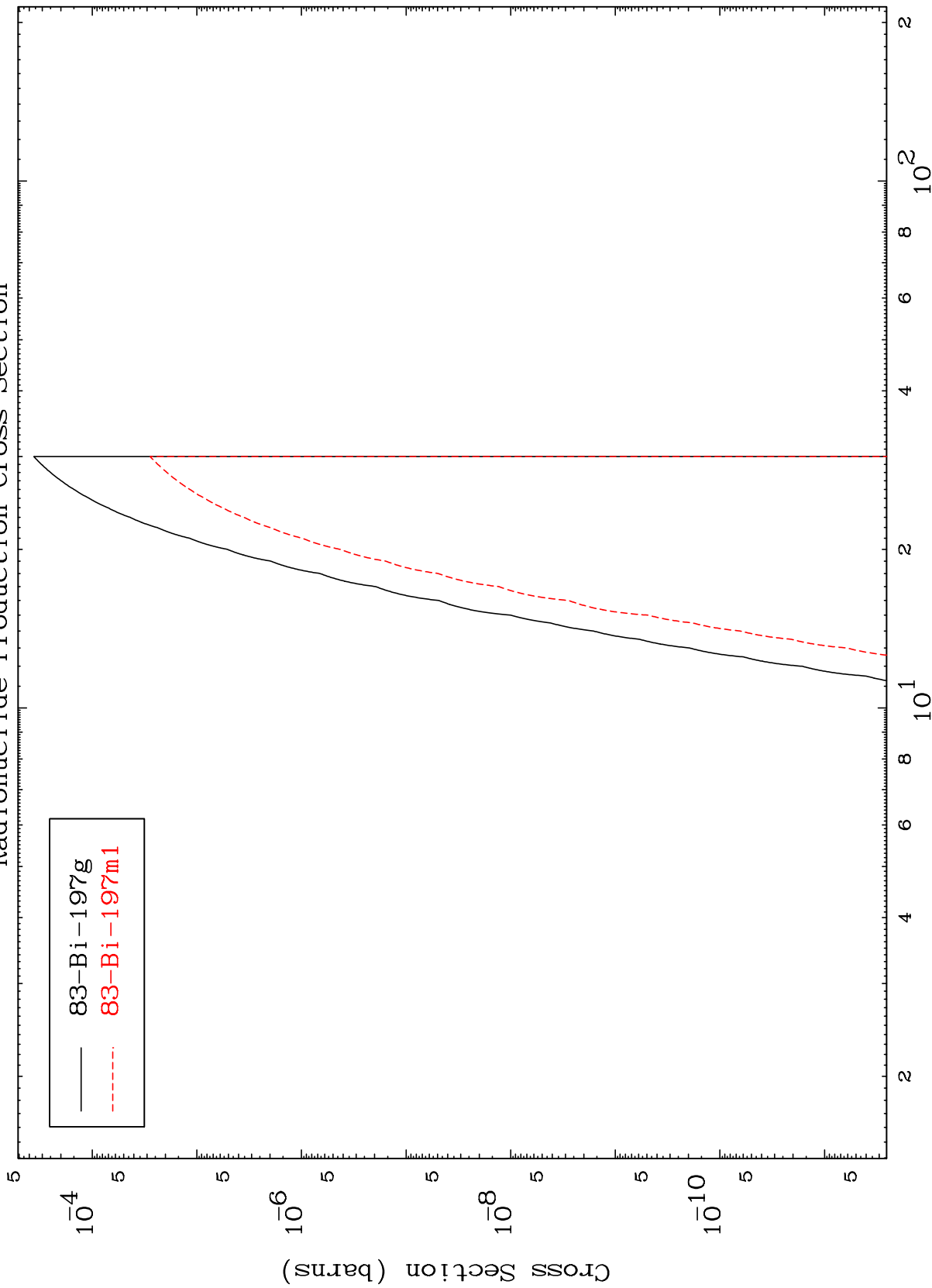


MAT 8513

(n,p) d

85-At-199

Radionuclide Production Cross Section



88

Incident Energy (MeV)

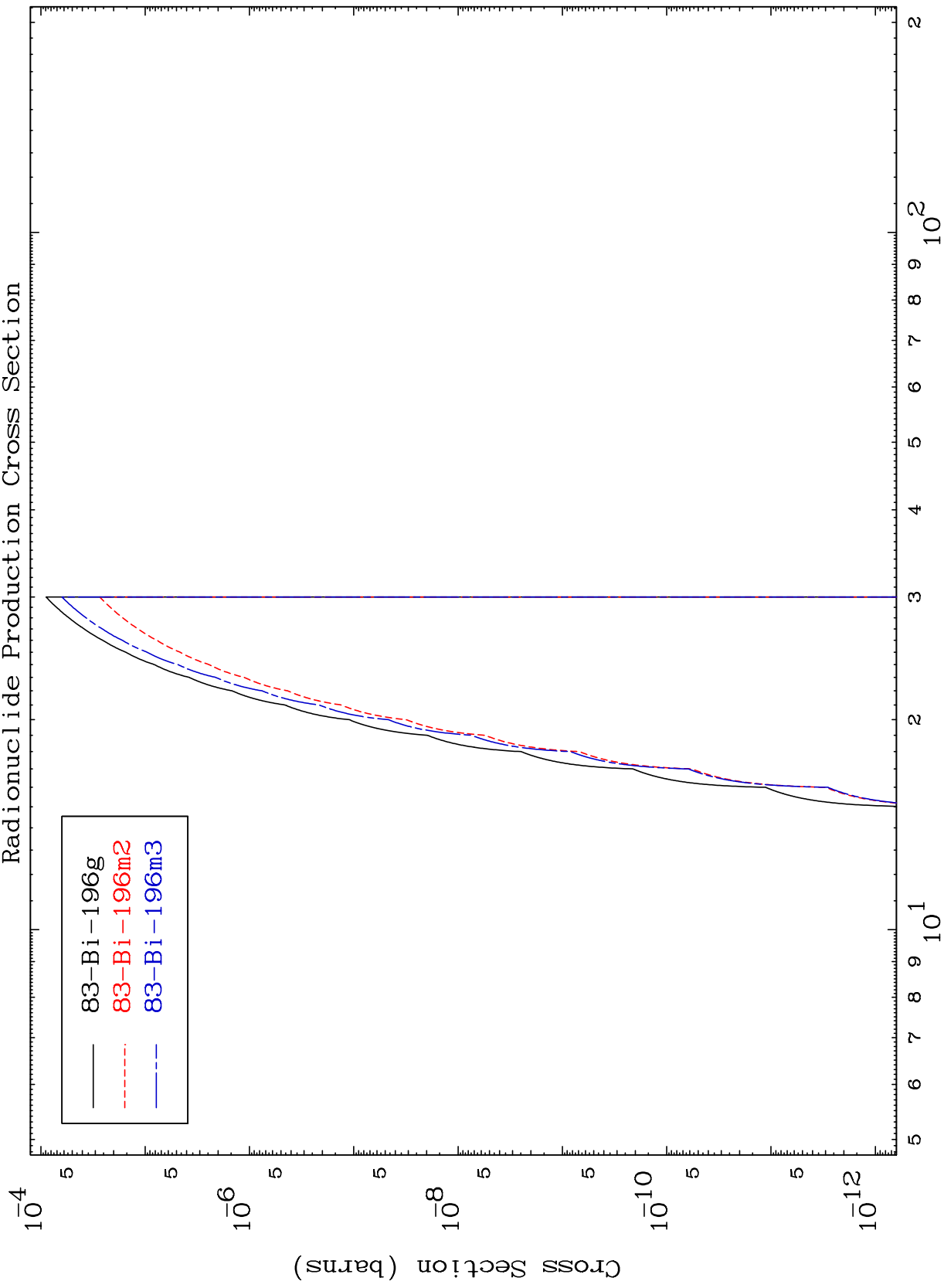
85-At-199

MAT 8513

(n,p) t

85-At-199

Radionuclide Production Cross Section



89

Incident Energy (MeV)

85-At-199