

Program EVALPLOT
(Version 2017-1)

by

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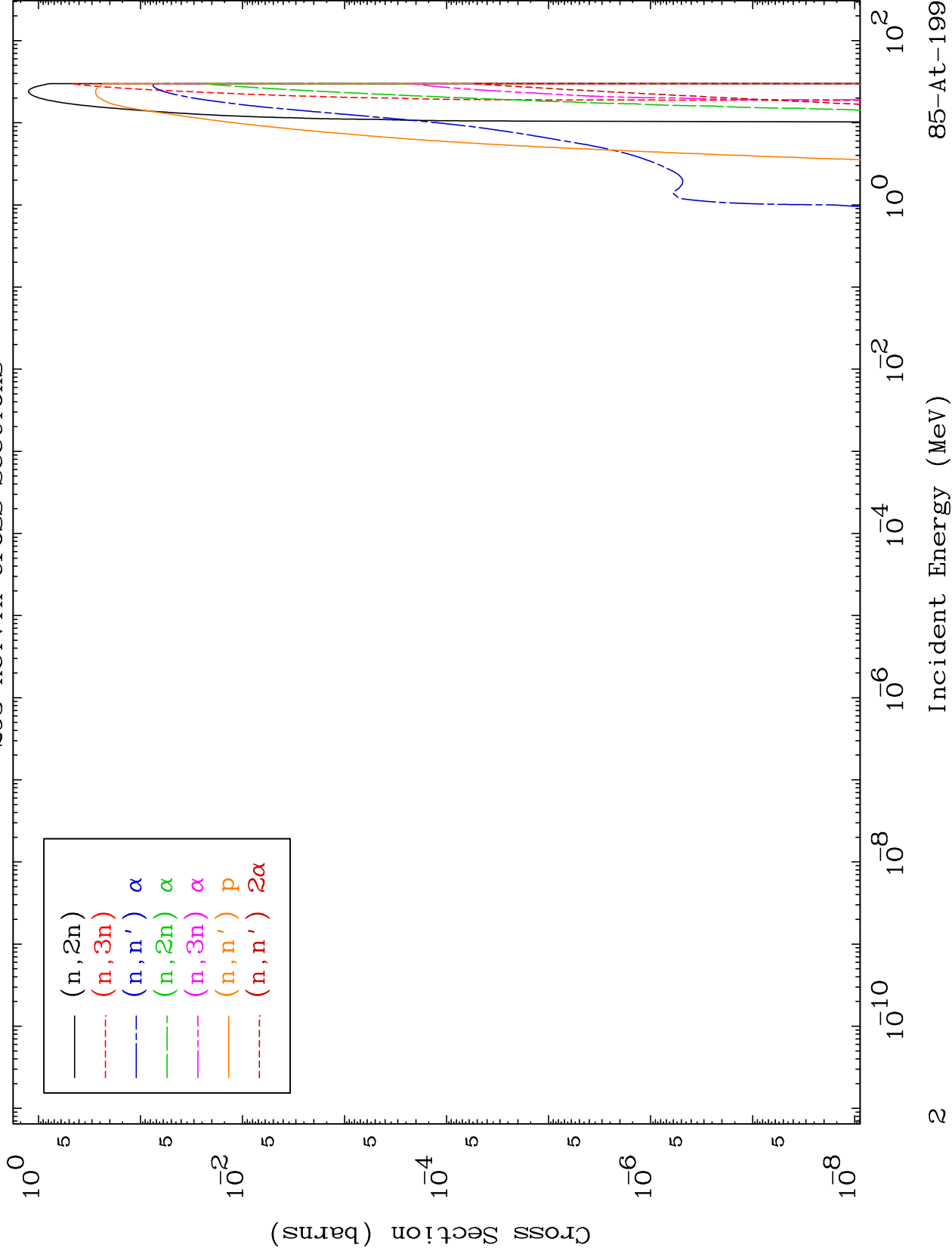
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Press Mouse Button to Start

MAT 8513

Neutron Production
293 Kelvin Cross Sections

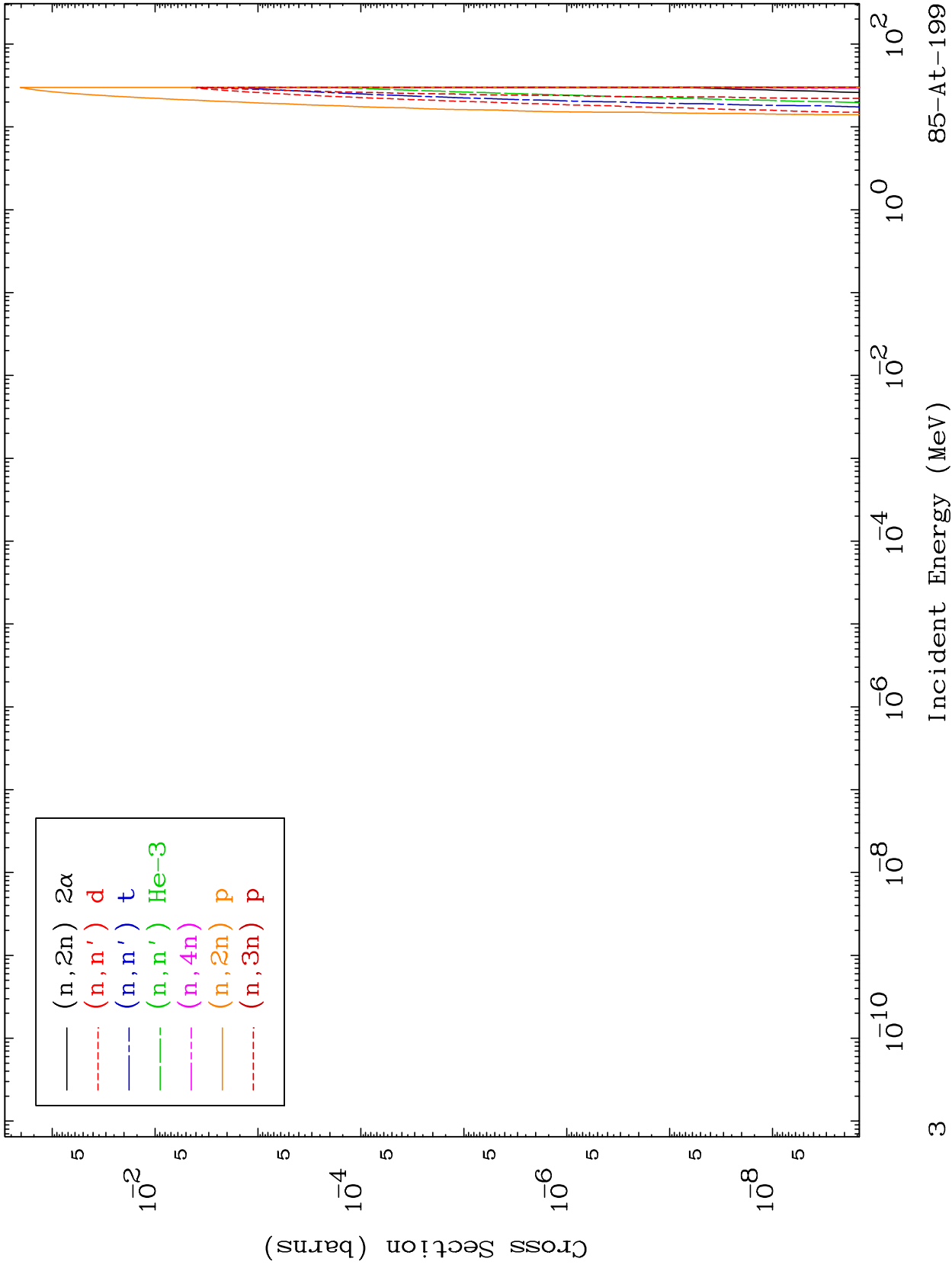
85-At-199



MAT 8513

Neutron Production
293 Kelvin Cross Sections

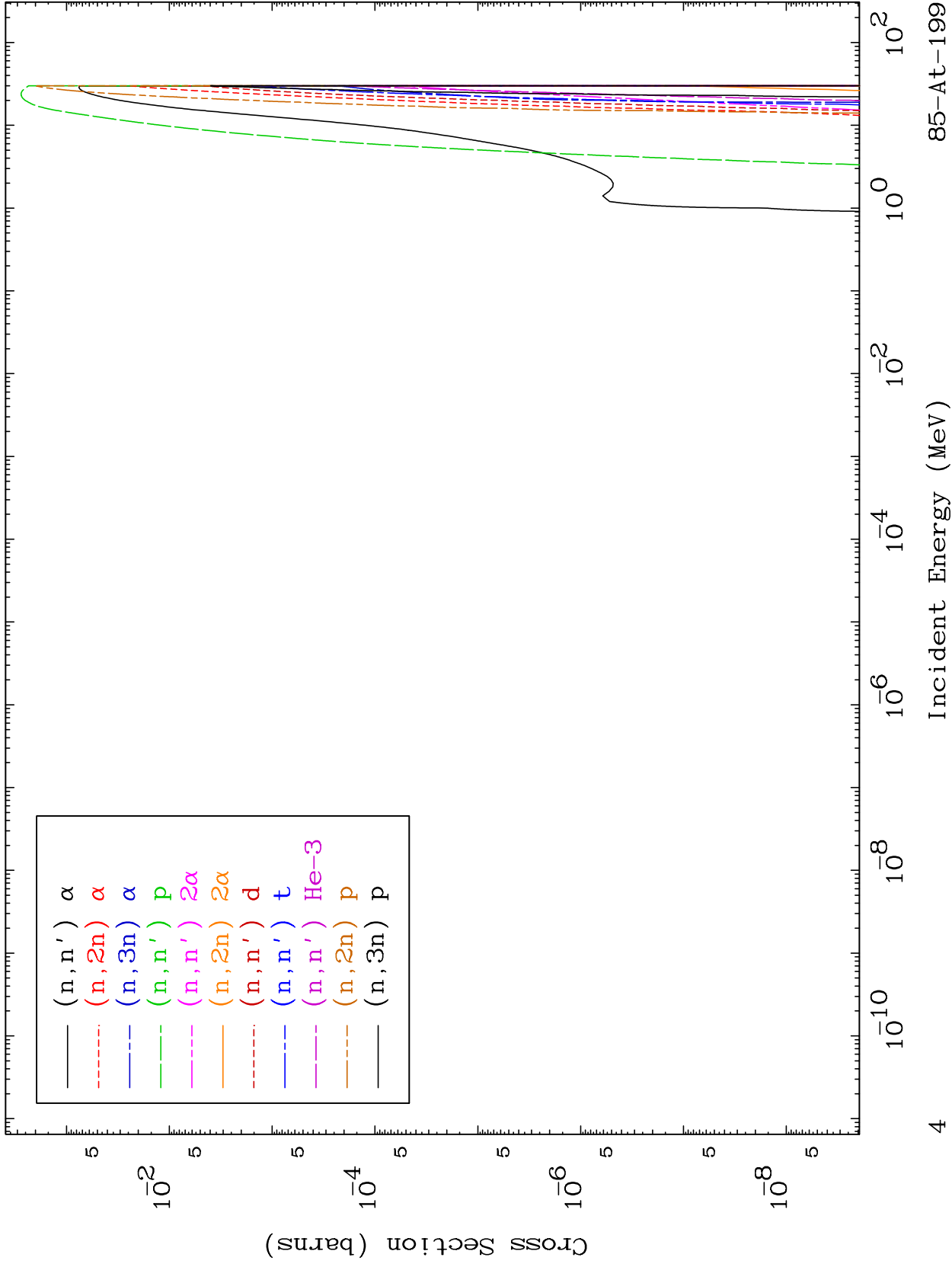
85-At-199



MAT 8513

Charged Particle
293 Kelvin Cross Sections

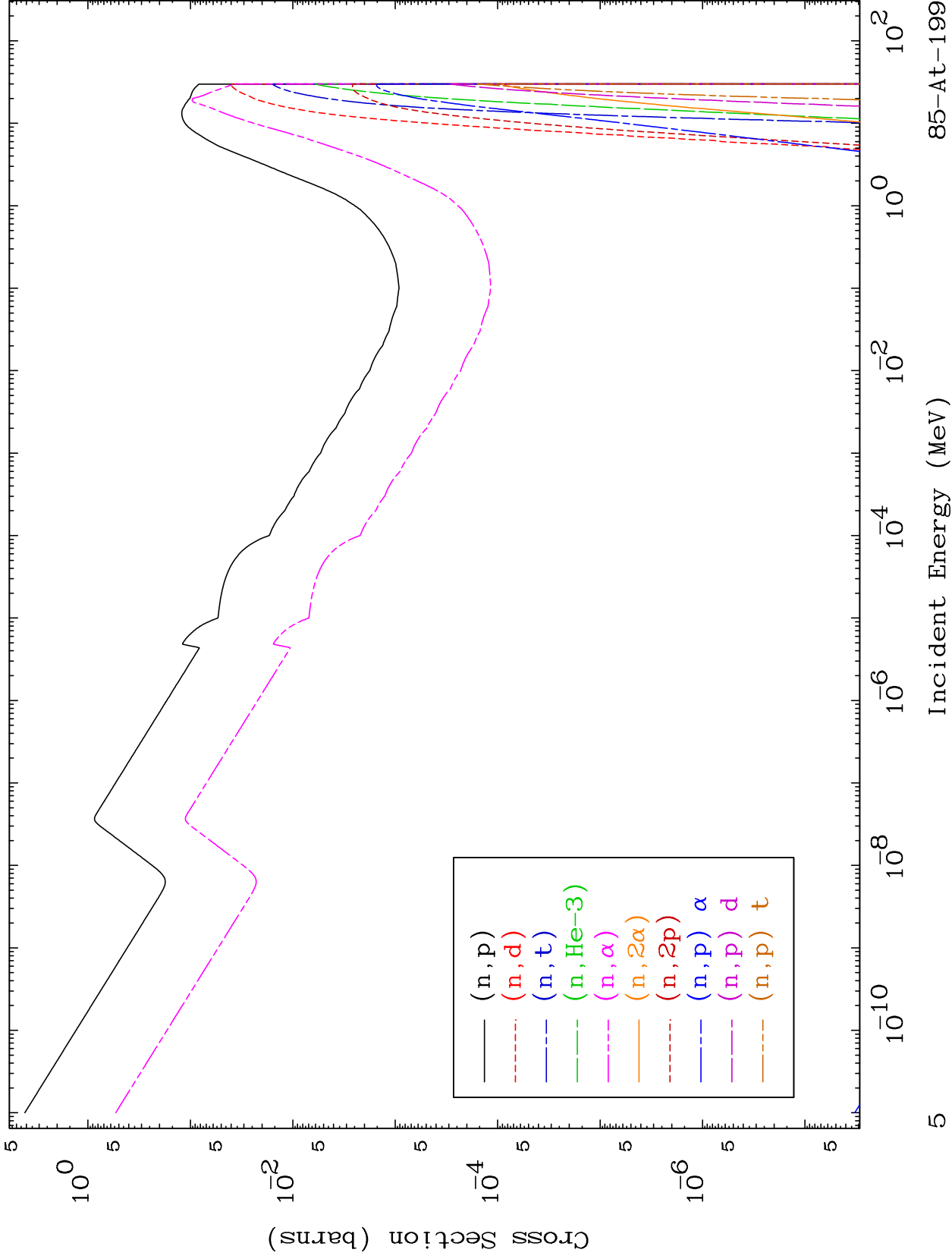
85-At-199



MAT 8513

Charged Particle
293 Kelvin Cross Sections

85-At-199



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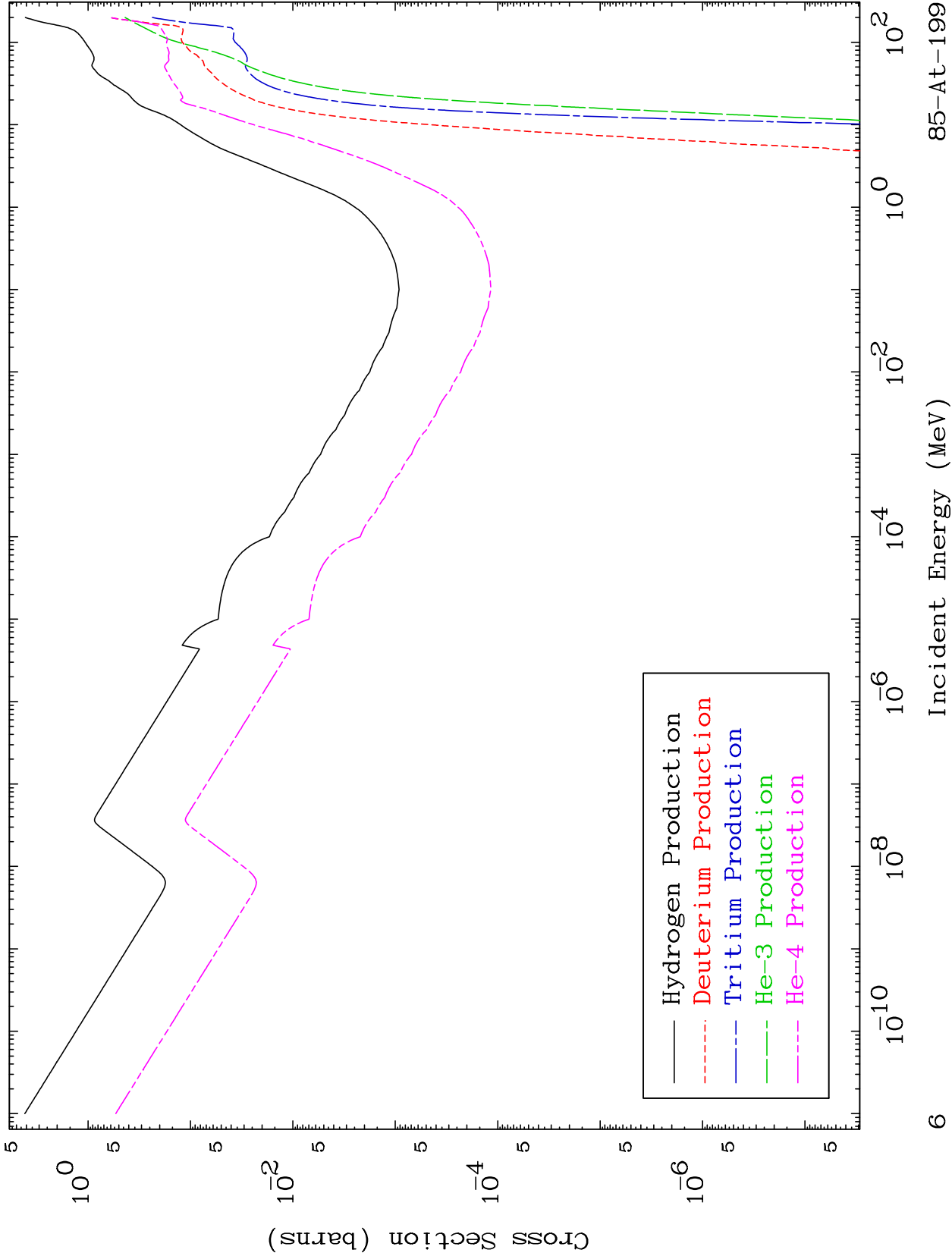
Incident Energy (MeV)

85-At-199

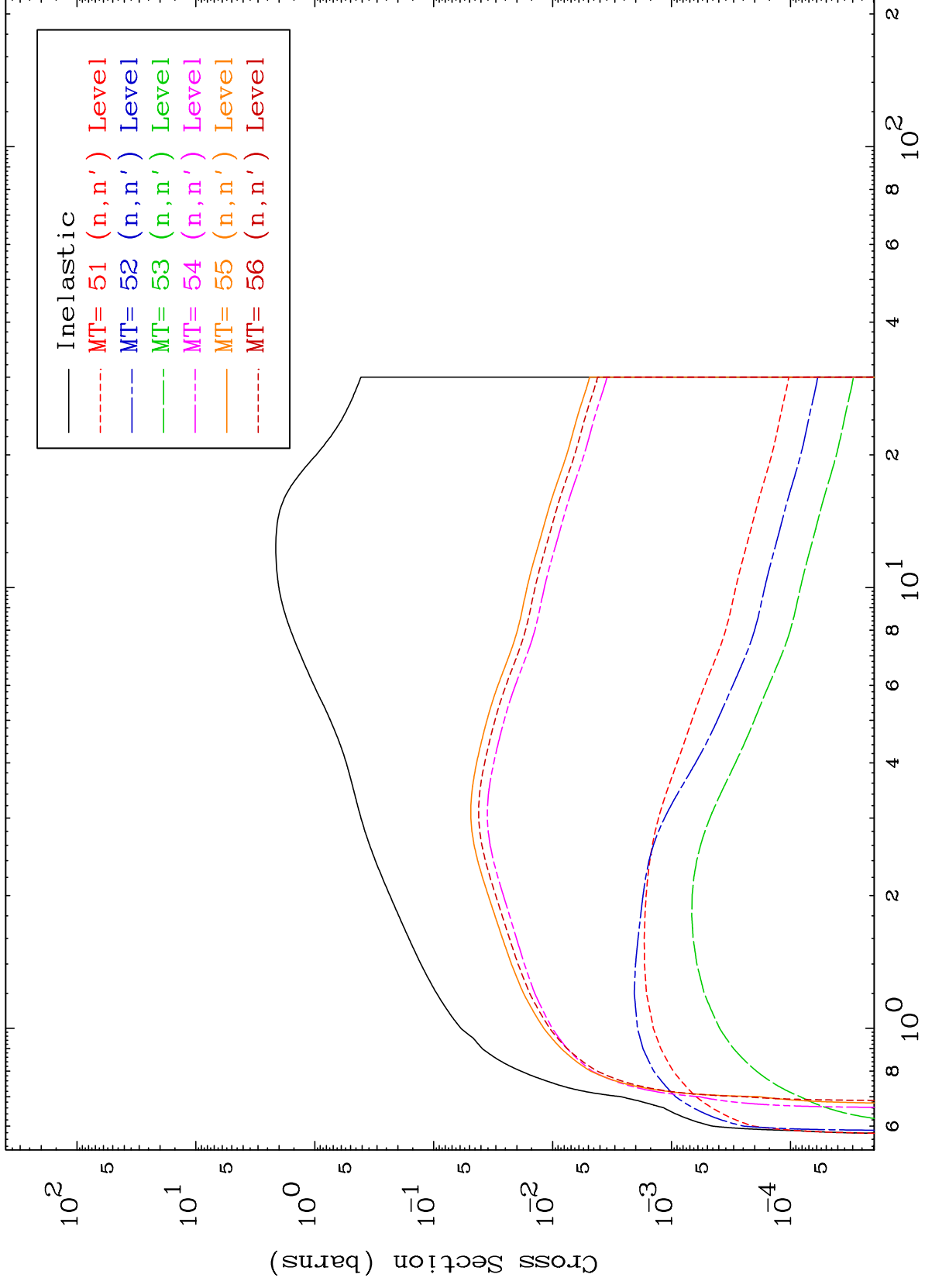
MAT 8513

Particle Production
293 Kelvin Cross Sections

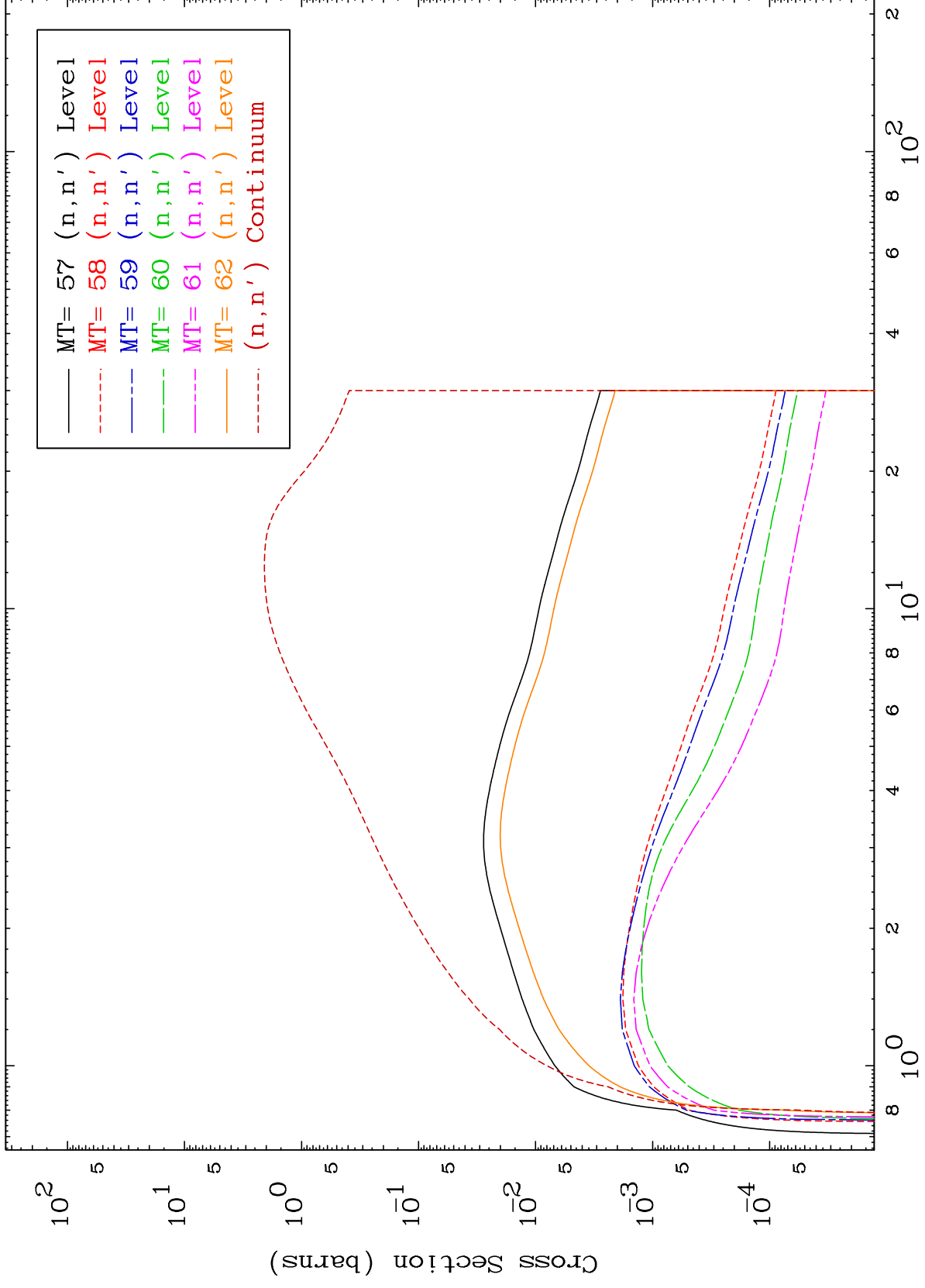
85-At-199



293 Kelvin Cross Sections



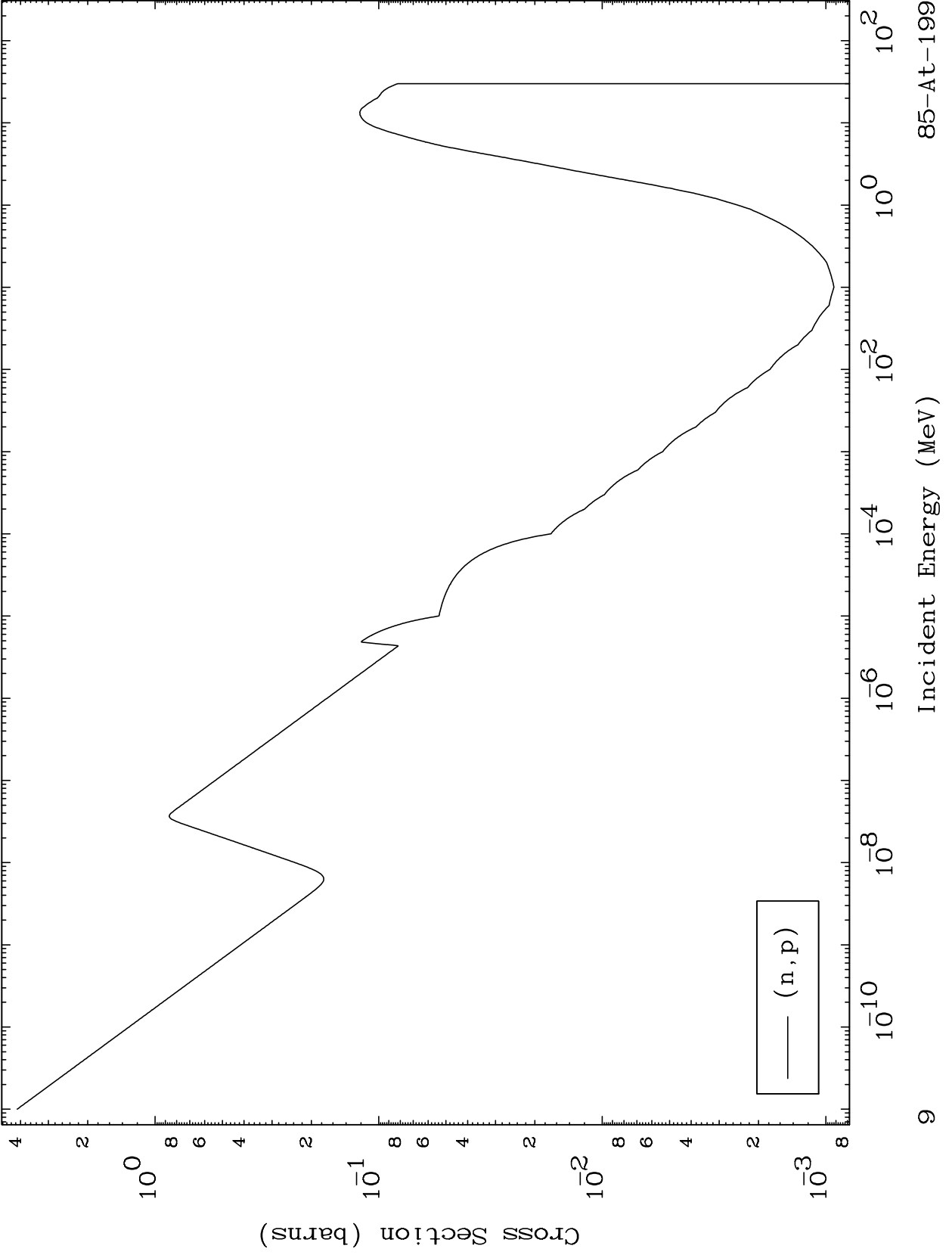
293 Kelvin Cross Sections



MAT 8513

(n,p) Levels
293 Kelvin Cross Sections

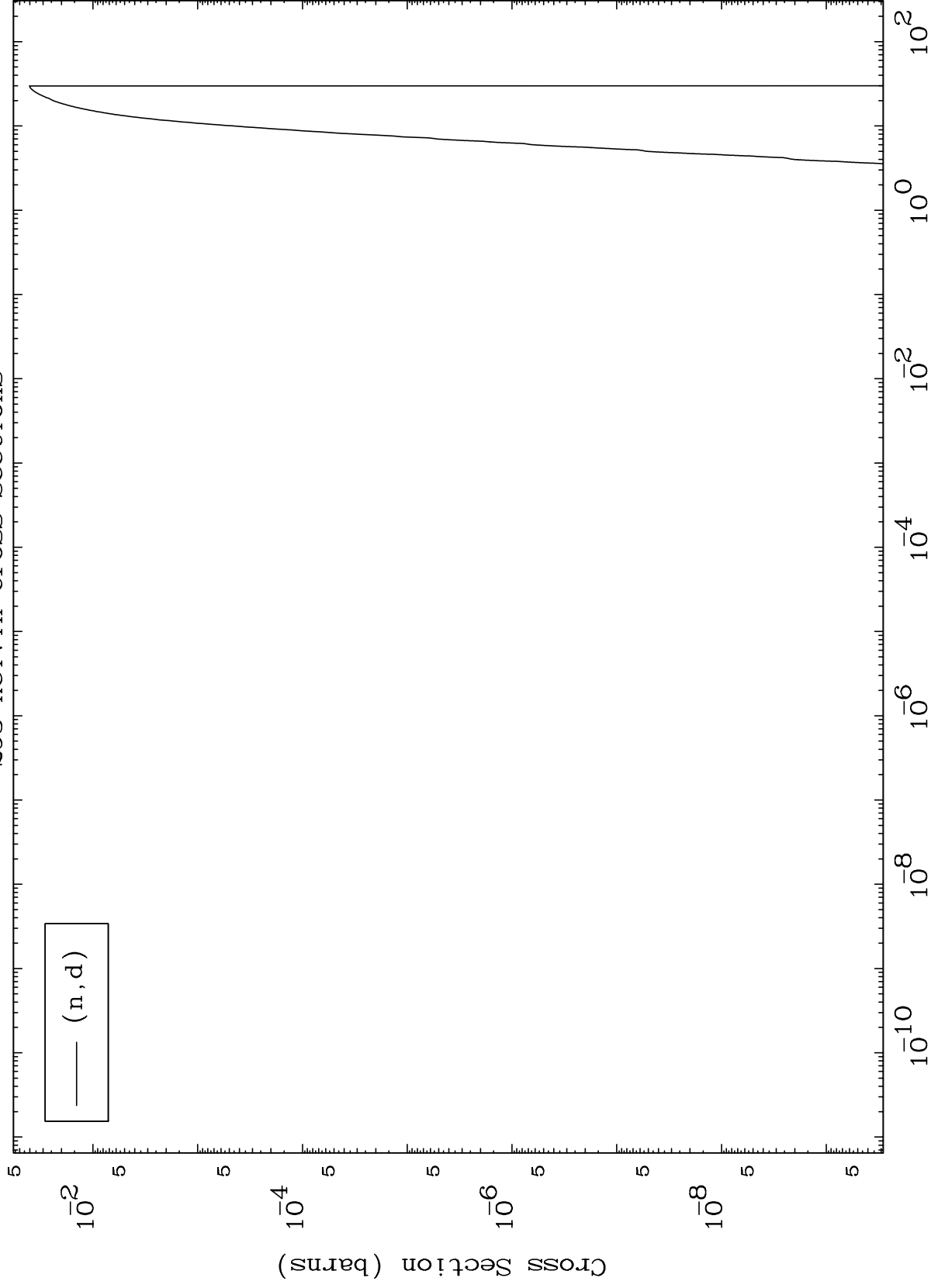
85-At-199



MAT 8513

(n,d) Levels
293 Kelvin Cross Sections

85-At-199



10

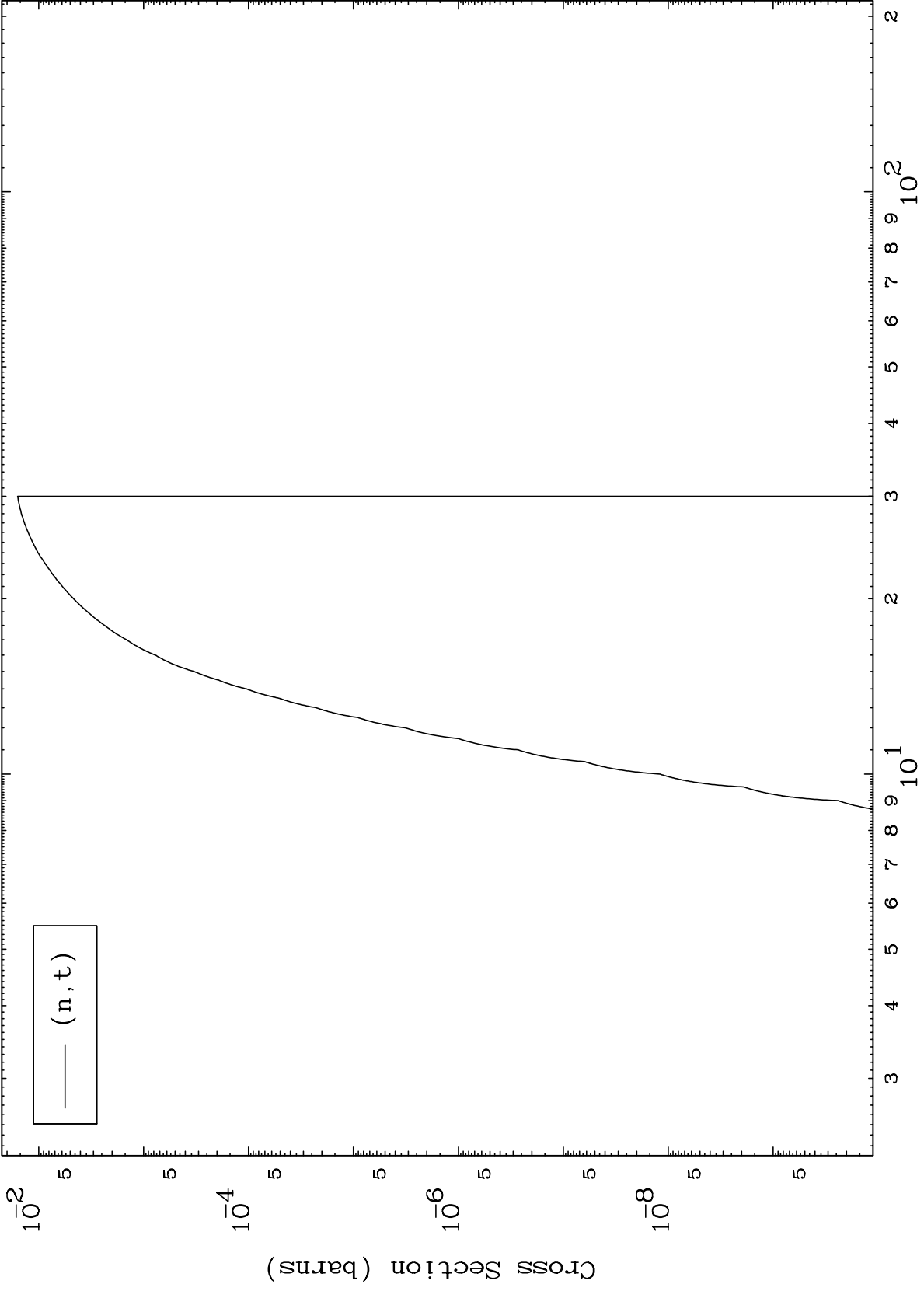
Incident Energy (MeV)

85-At-199

MAT 8513

(n,t) Levels
293 Kelvin Cross Sections

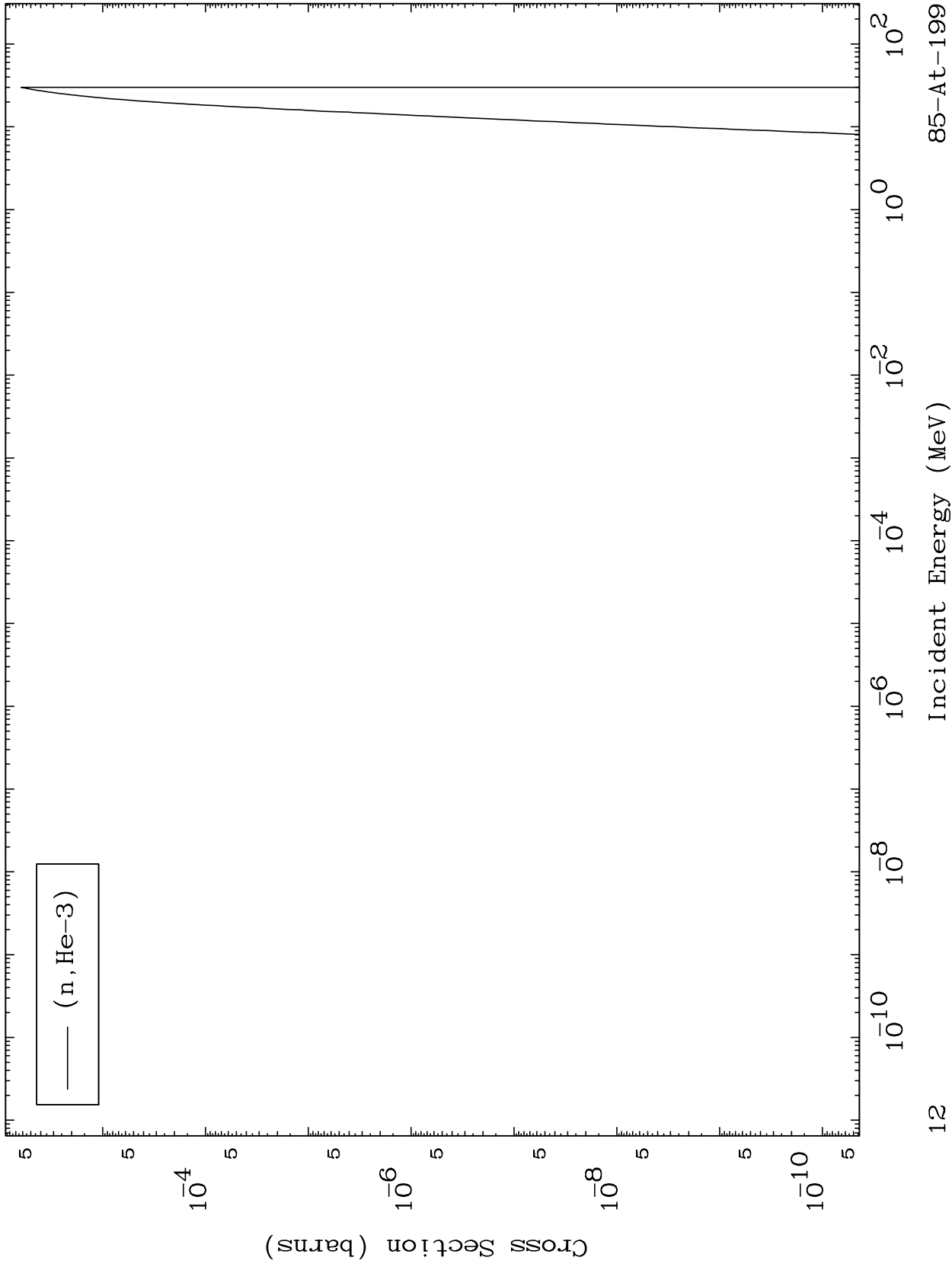
85-At-199



MAT 8513

(n,He3) Levels
293 Kelvin Cross Sections

85-At-199



12

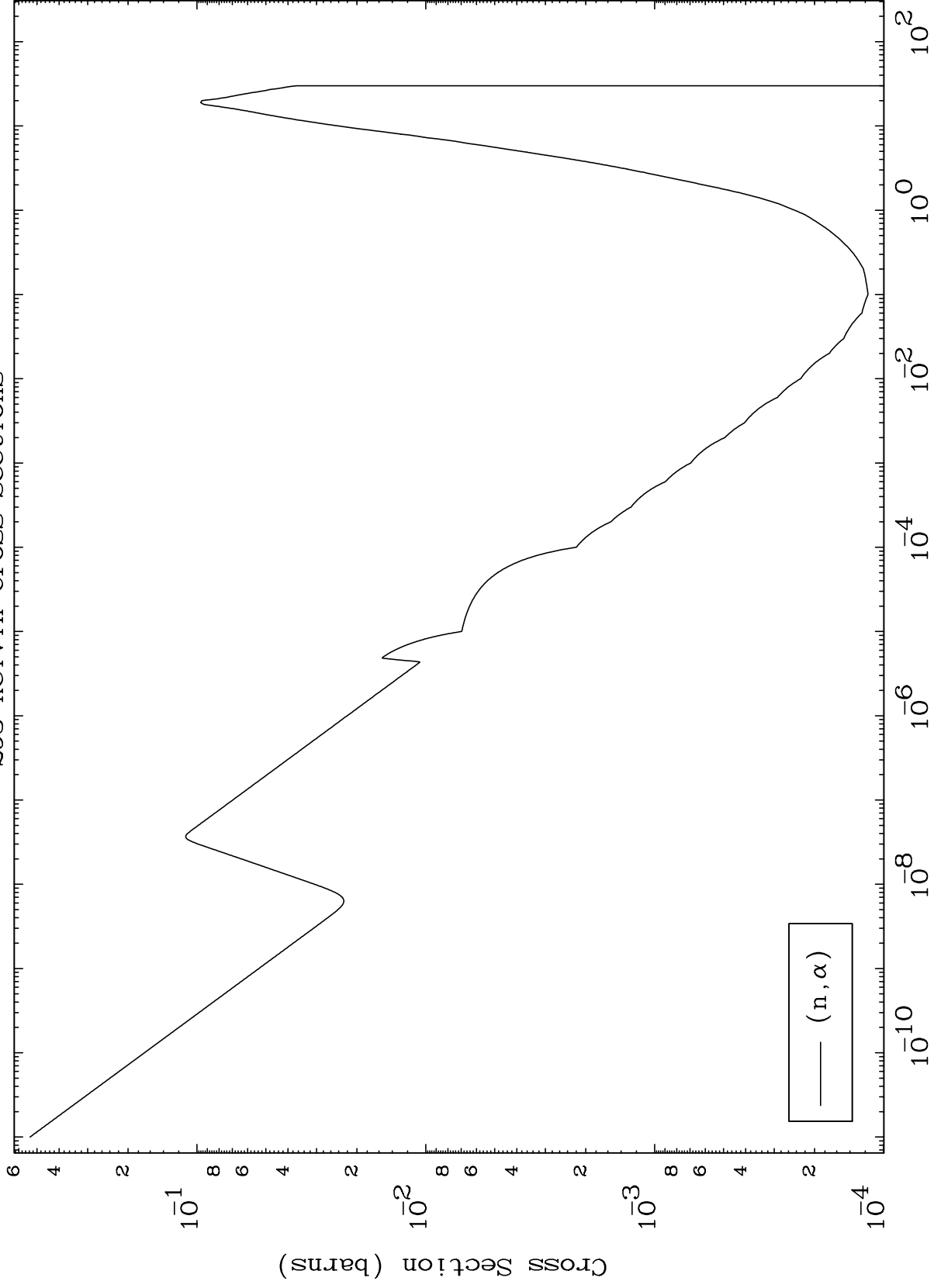
Incident Energy (MeV)

85-At-199

MAT 8513

(n, α) Levels
293 Kelvin Cross Sections

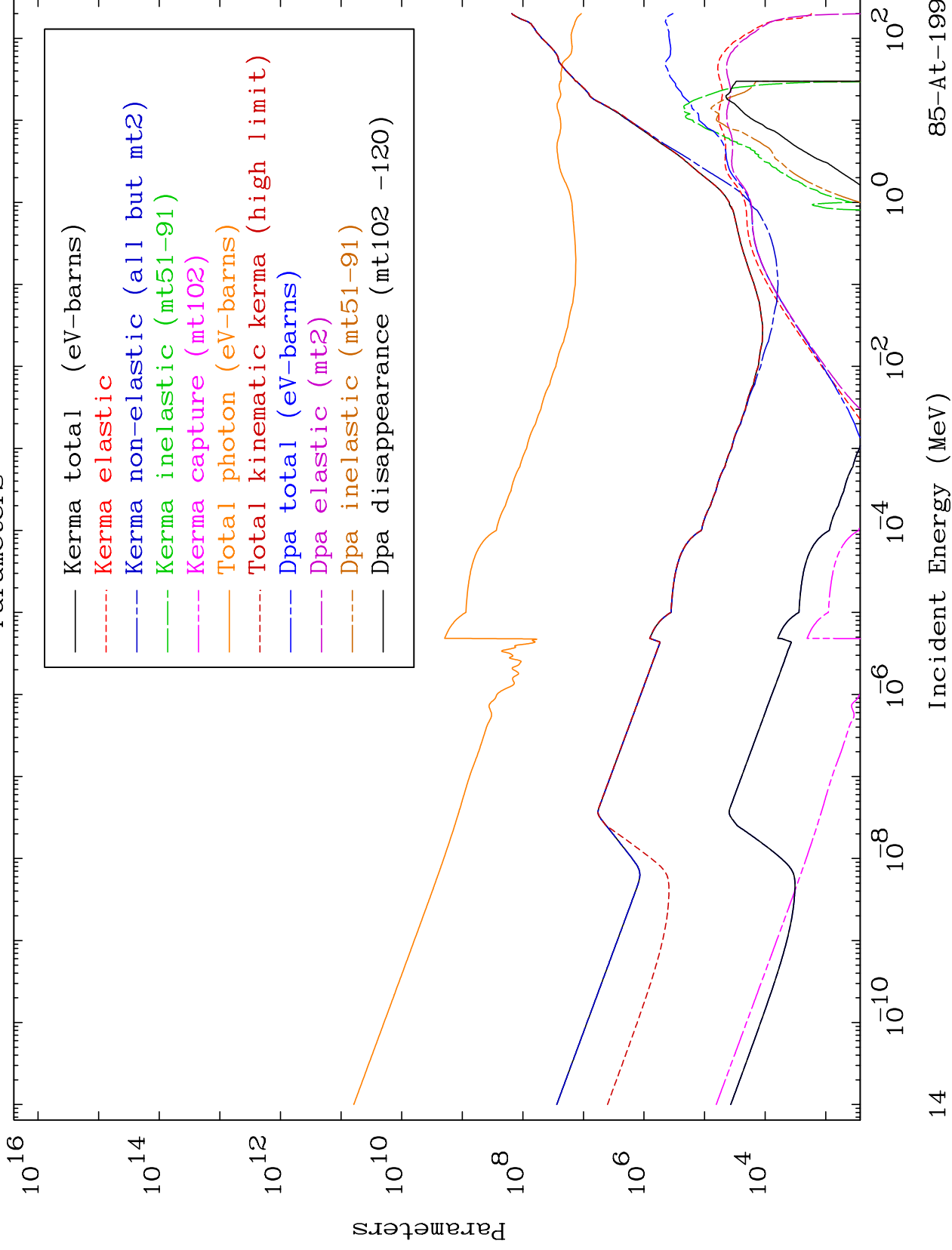
85-At-199



13

Incident Energy (MeV)

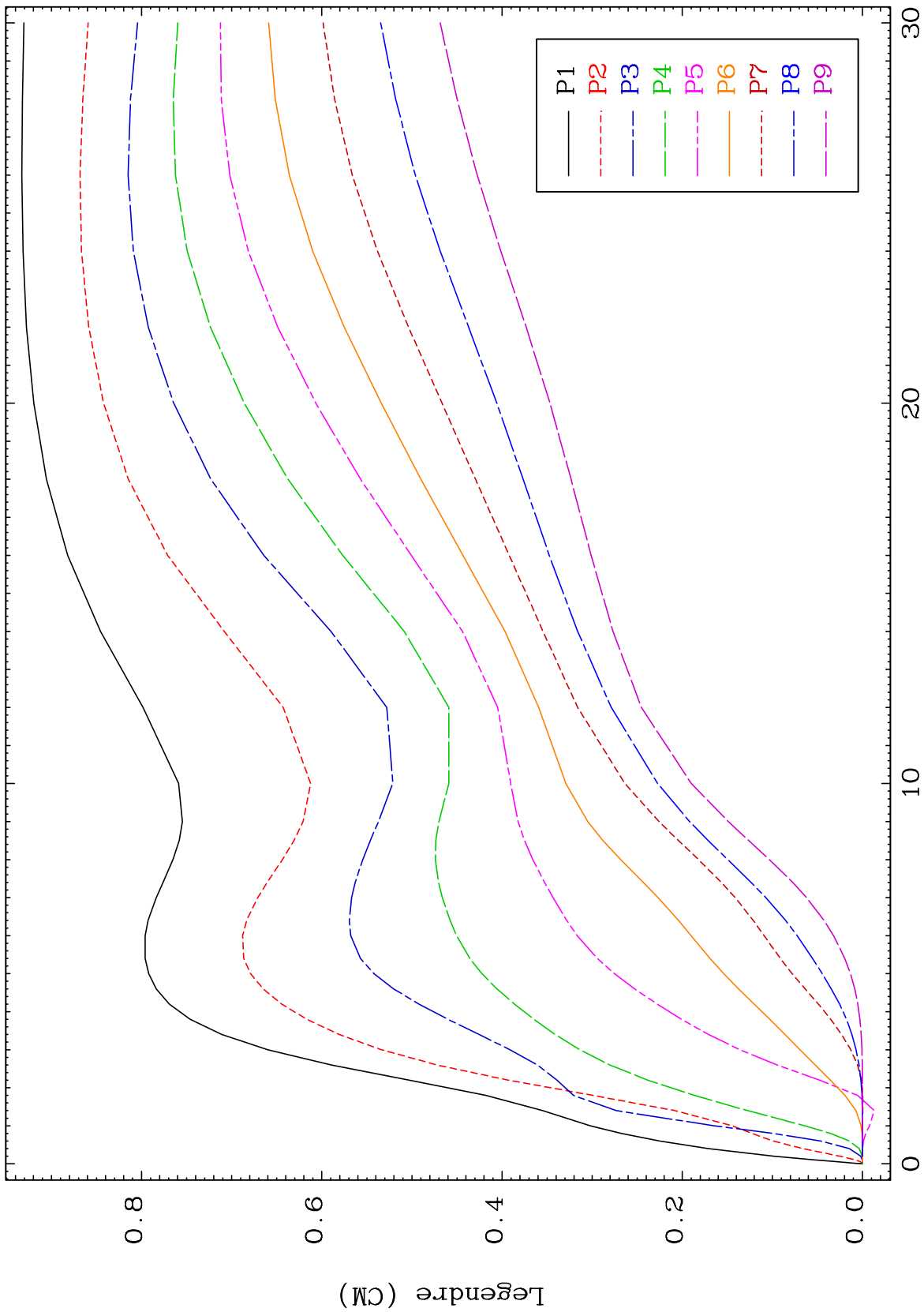
85-At-199



MAT 8513

85-At-199

Elastic Legendre Coefficients



85-At-199

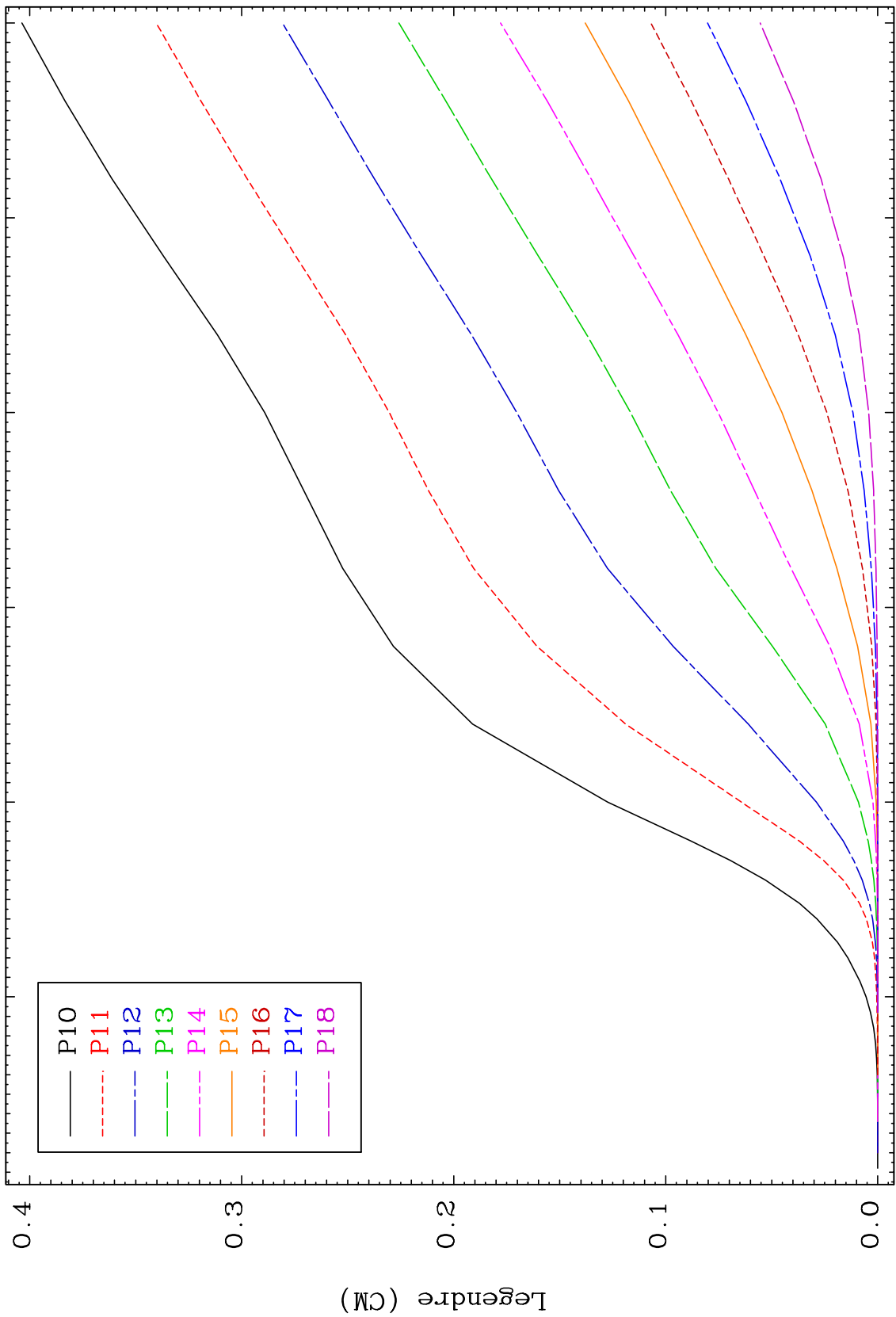
Incident Energy (MeV)

15

MAT 8513

Elastic Legendre Coefficients

85-At-199



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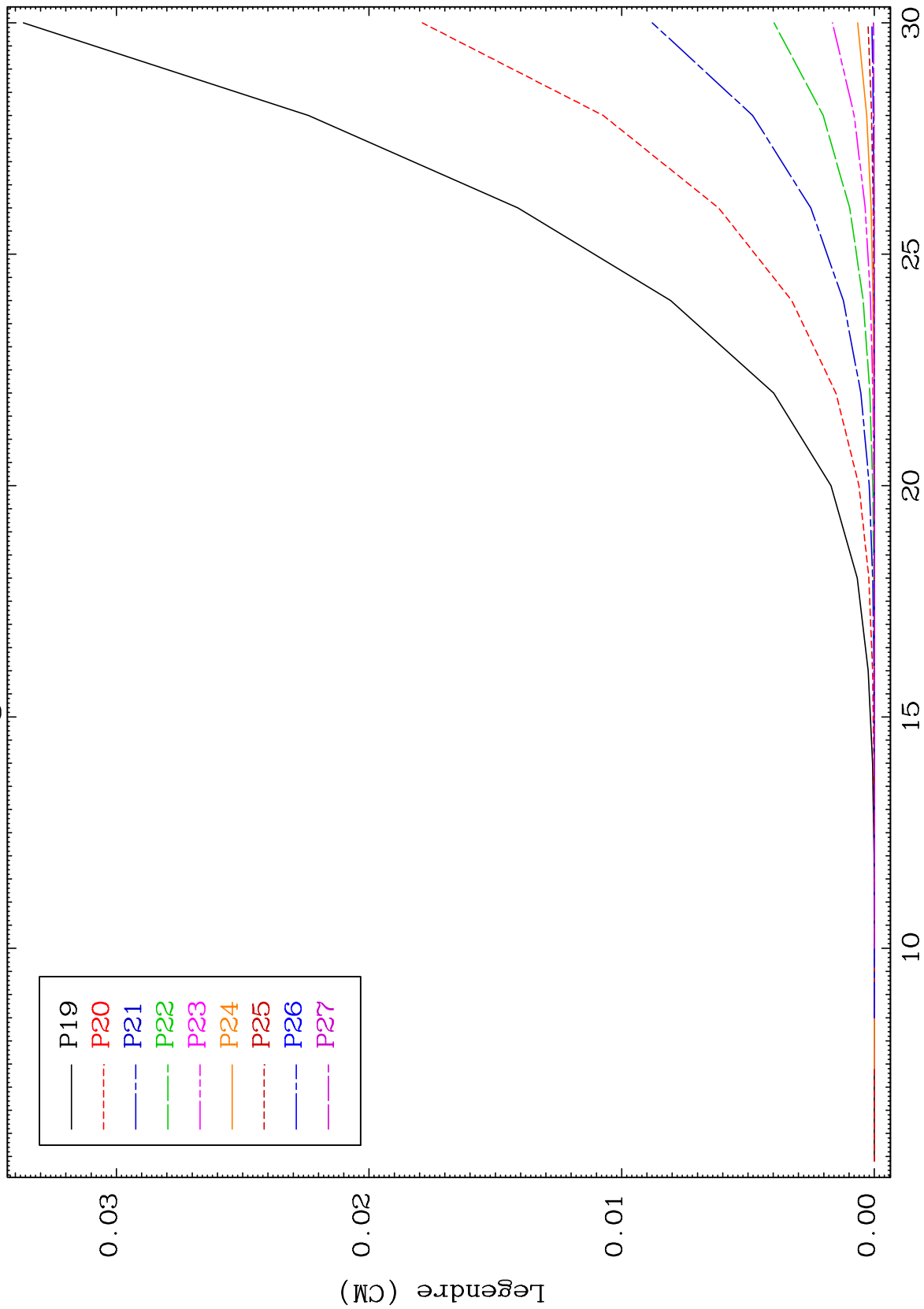
Incident Energy (MeV)

85-At-199

MAT 8513

Elastic Legendre Coefficients

85-At-199



17

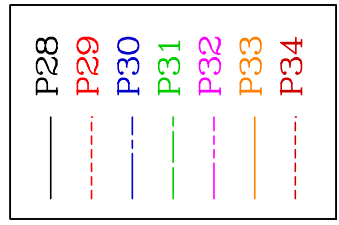
Incident Energy (MeV)

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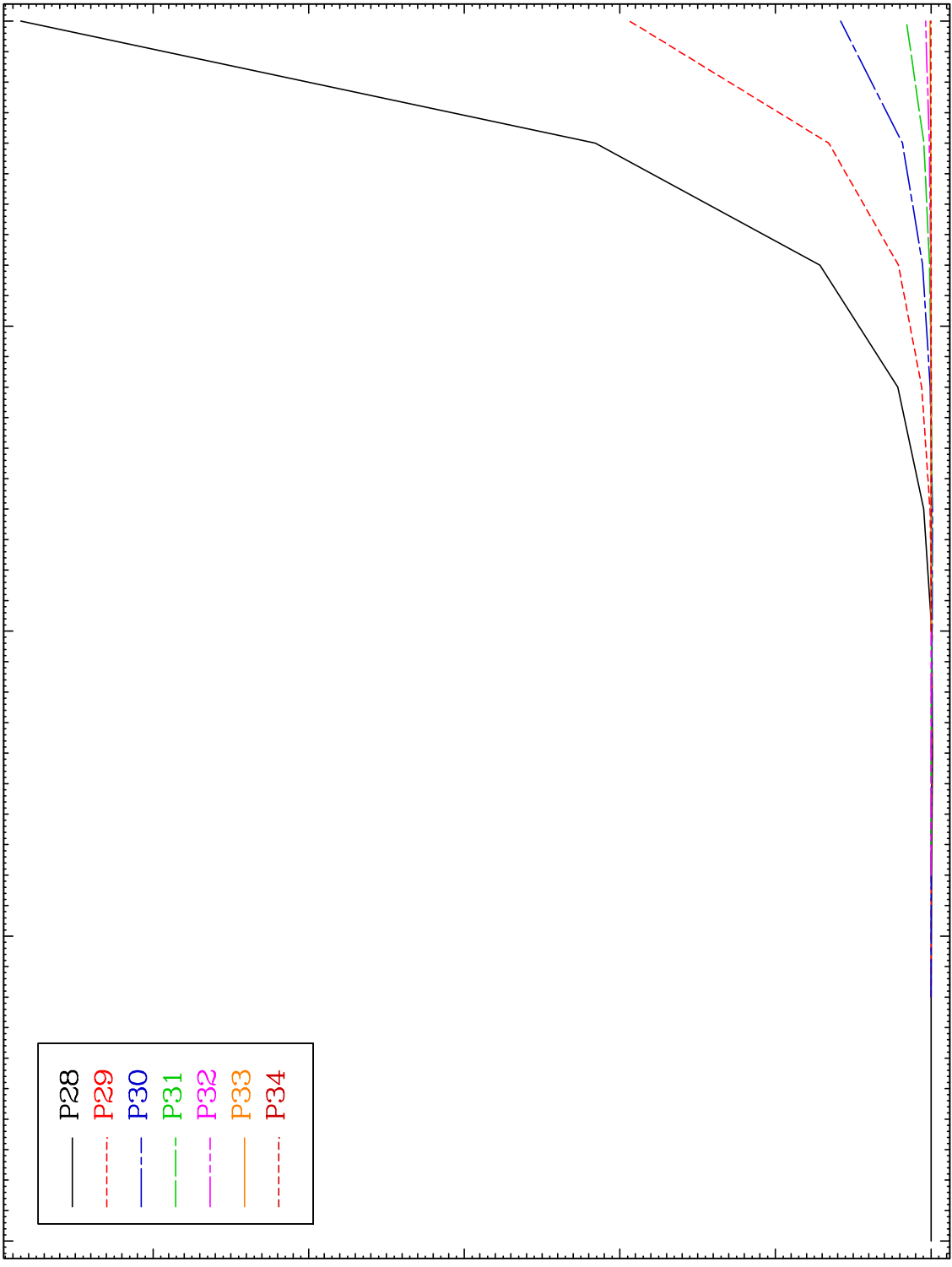
MAT 8513

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)

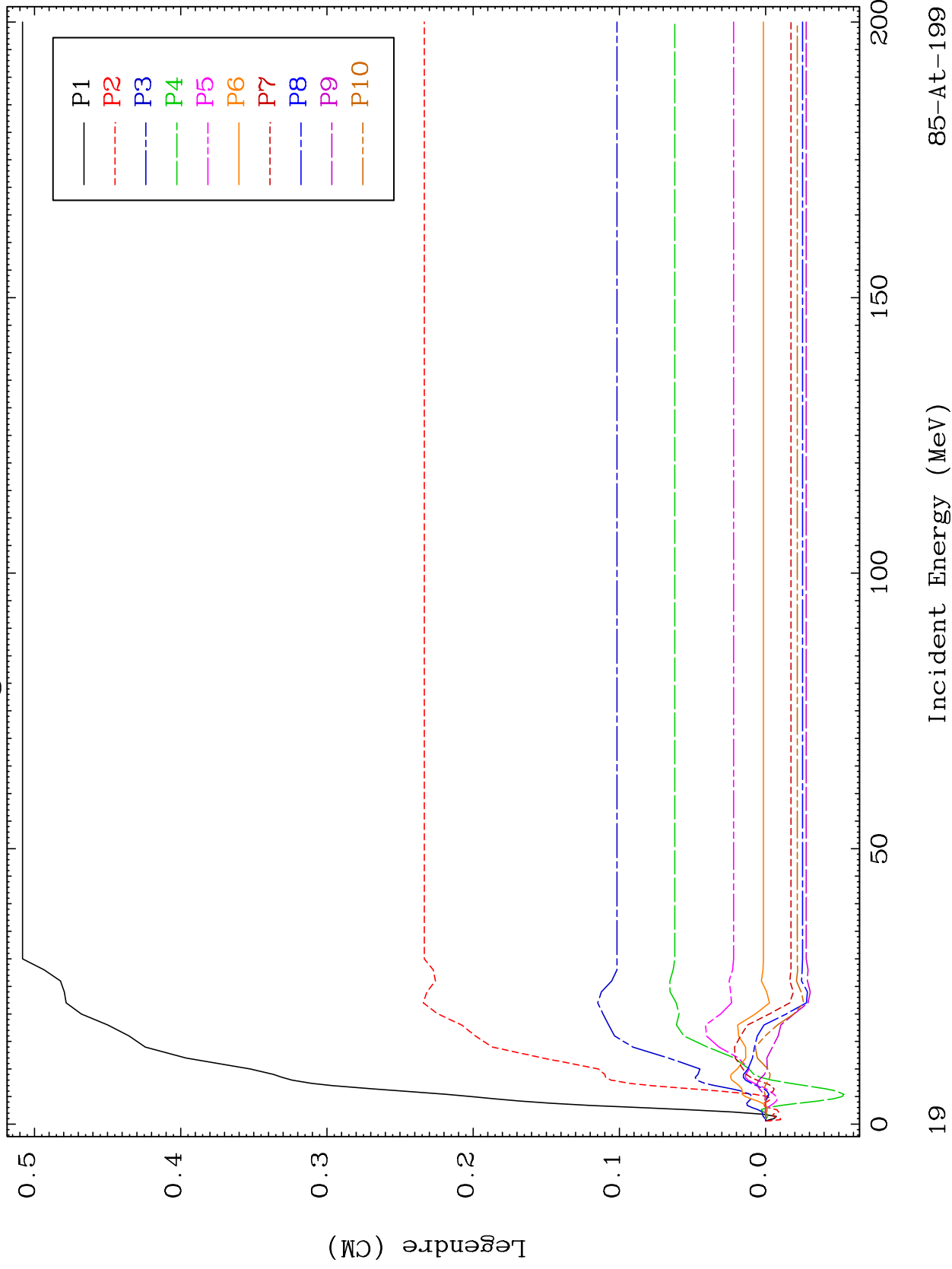
85-At-199

18

MAT 8513

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

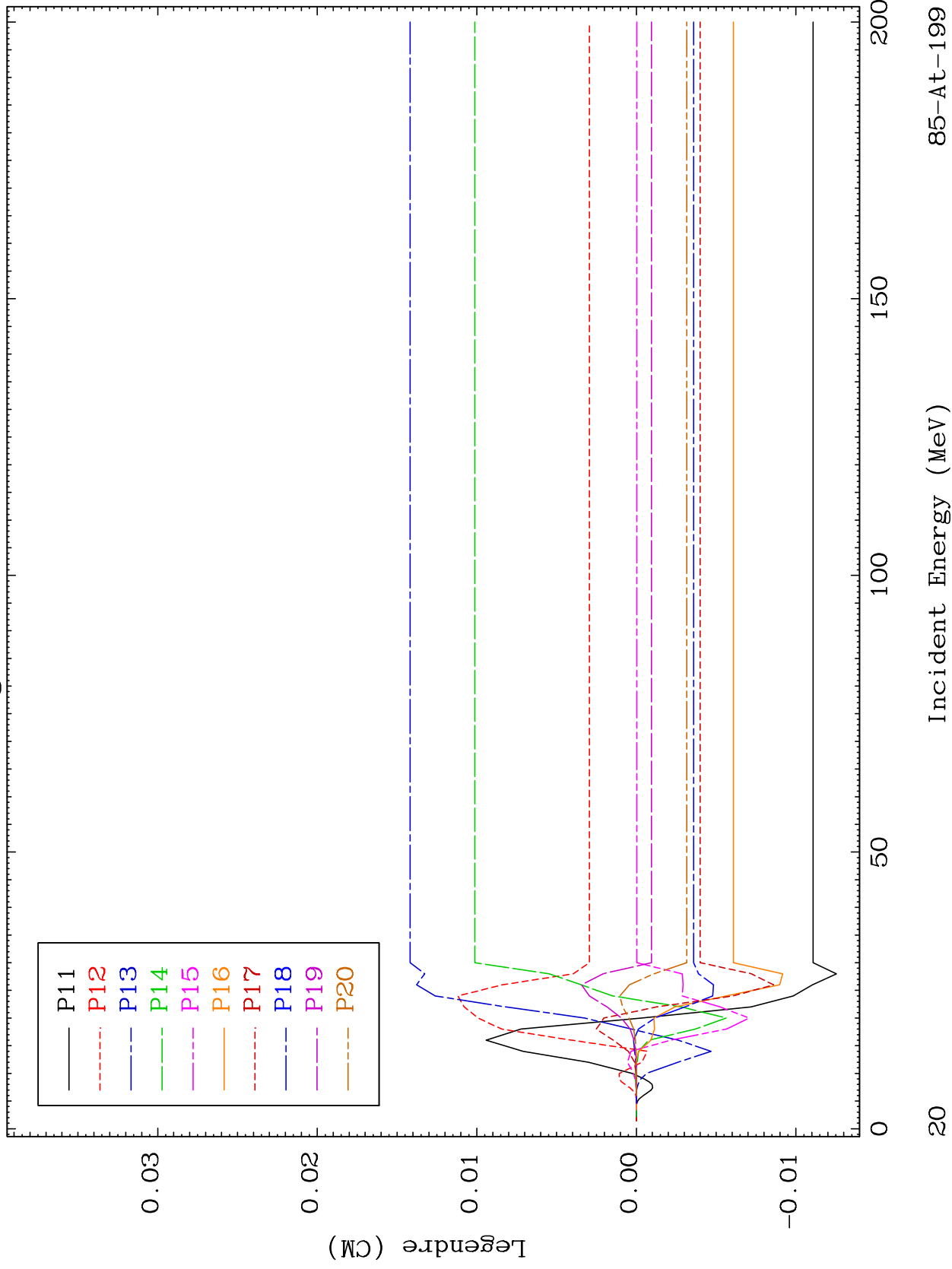
85-At-199



MAT 8513

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

85-At-199



85-At-199

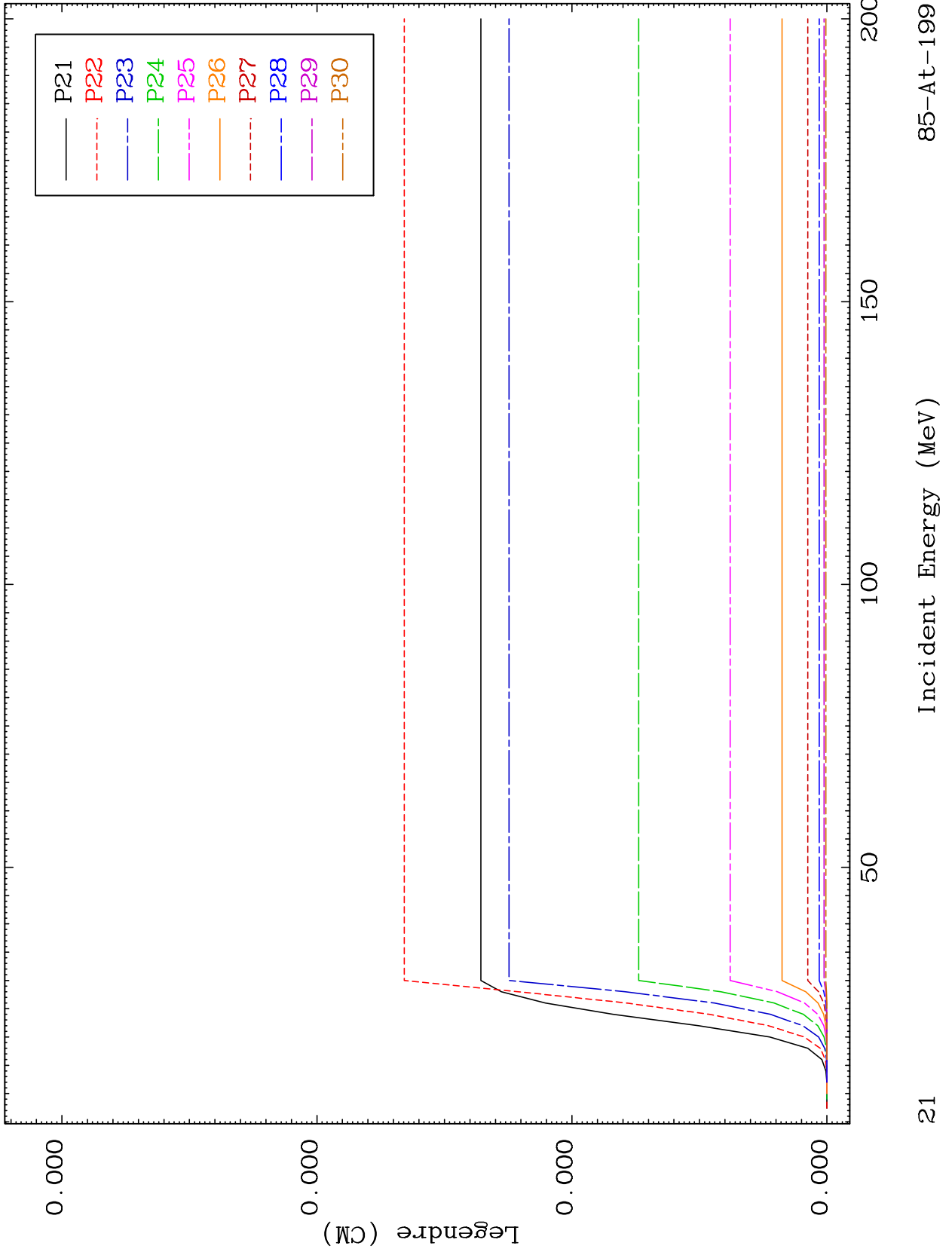
Incident Energy (MeV)

20

MAT 8513

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

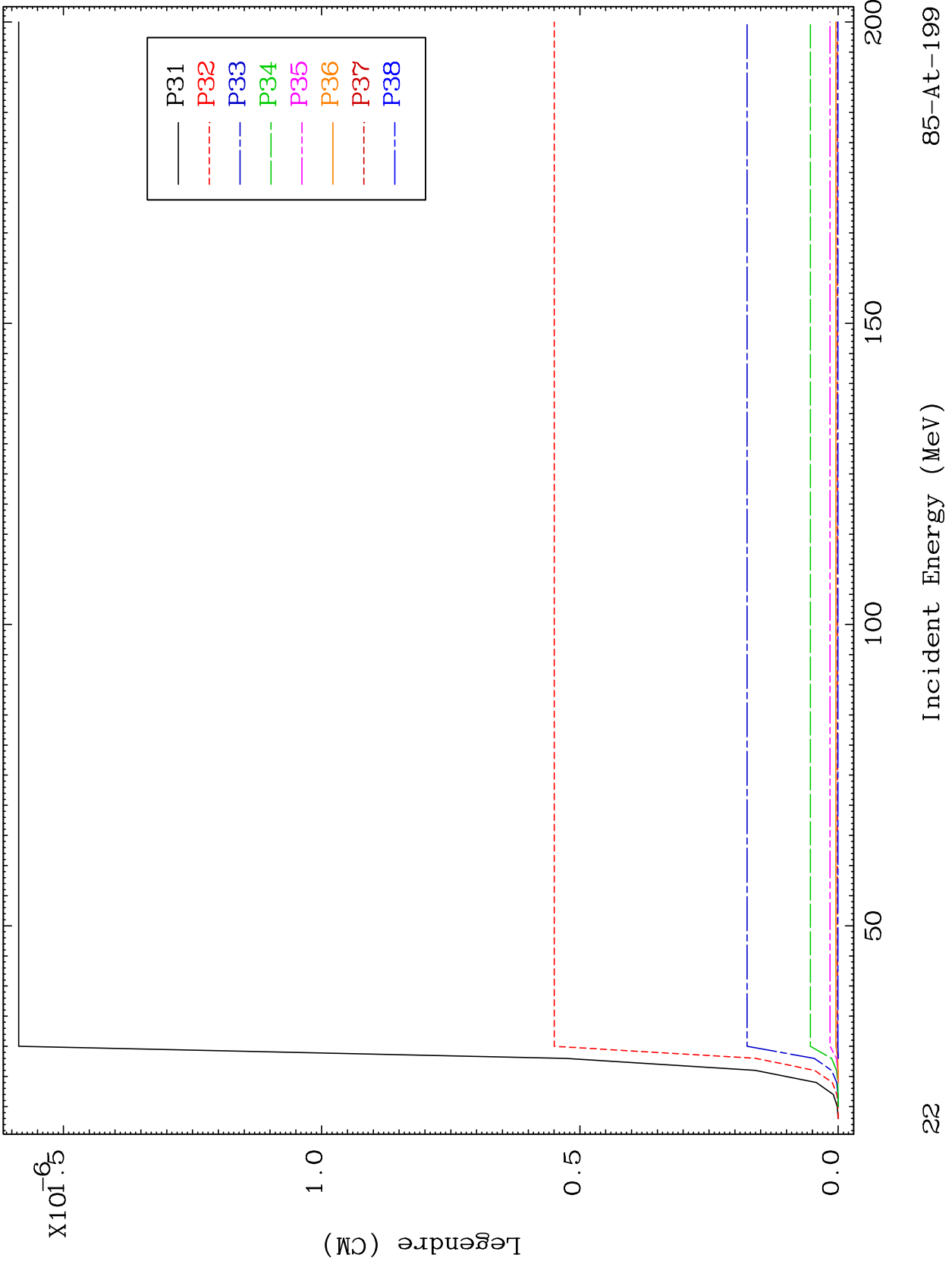
85-At-199



MAT 8513

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

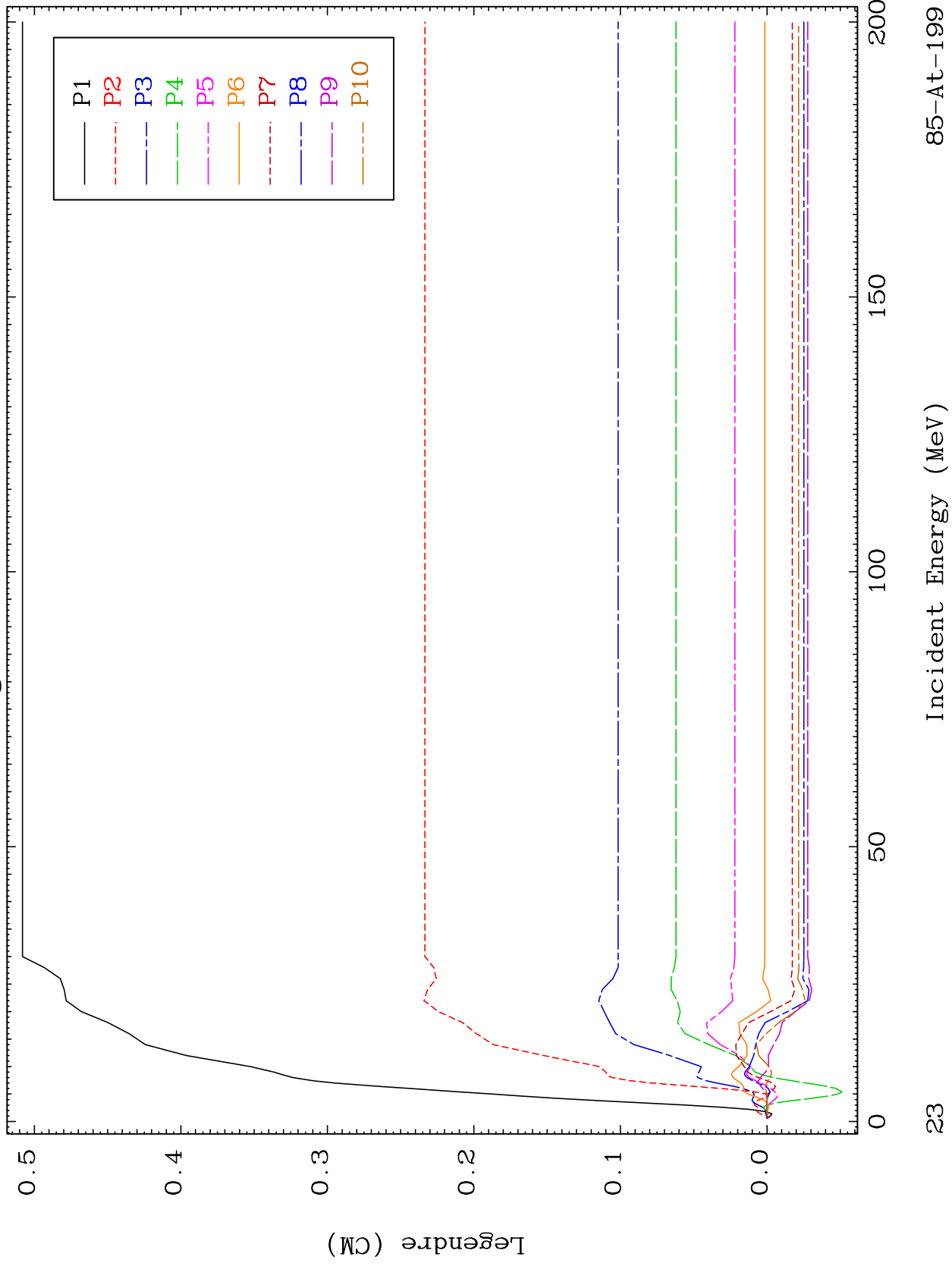
85-At-199



MAT 8513

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

85-At-199



85-At-199

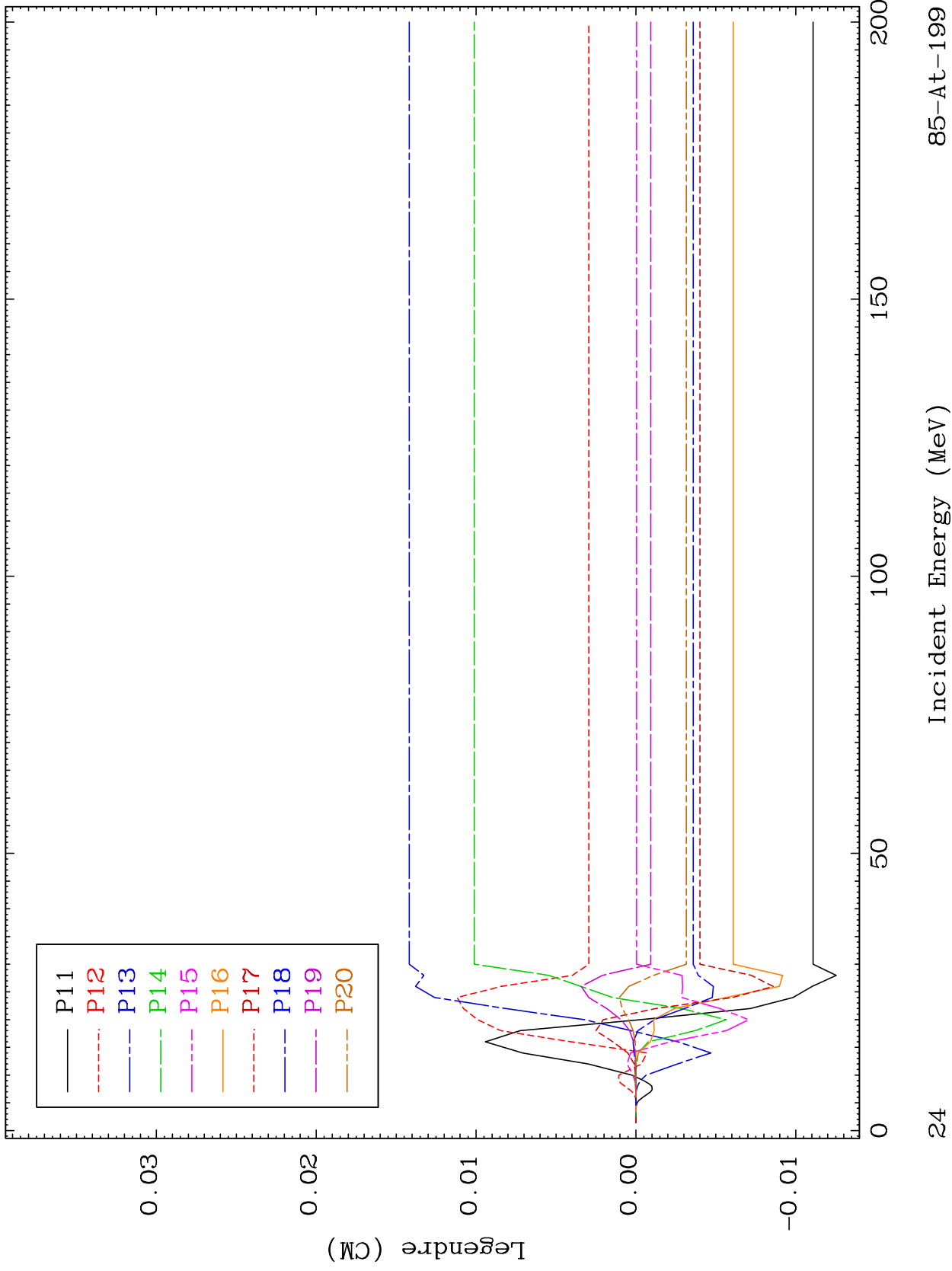
Incident Energy (MeV)

23

MAT 8513

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

85-At-199



24

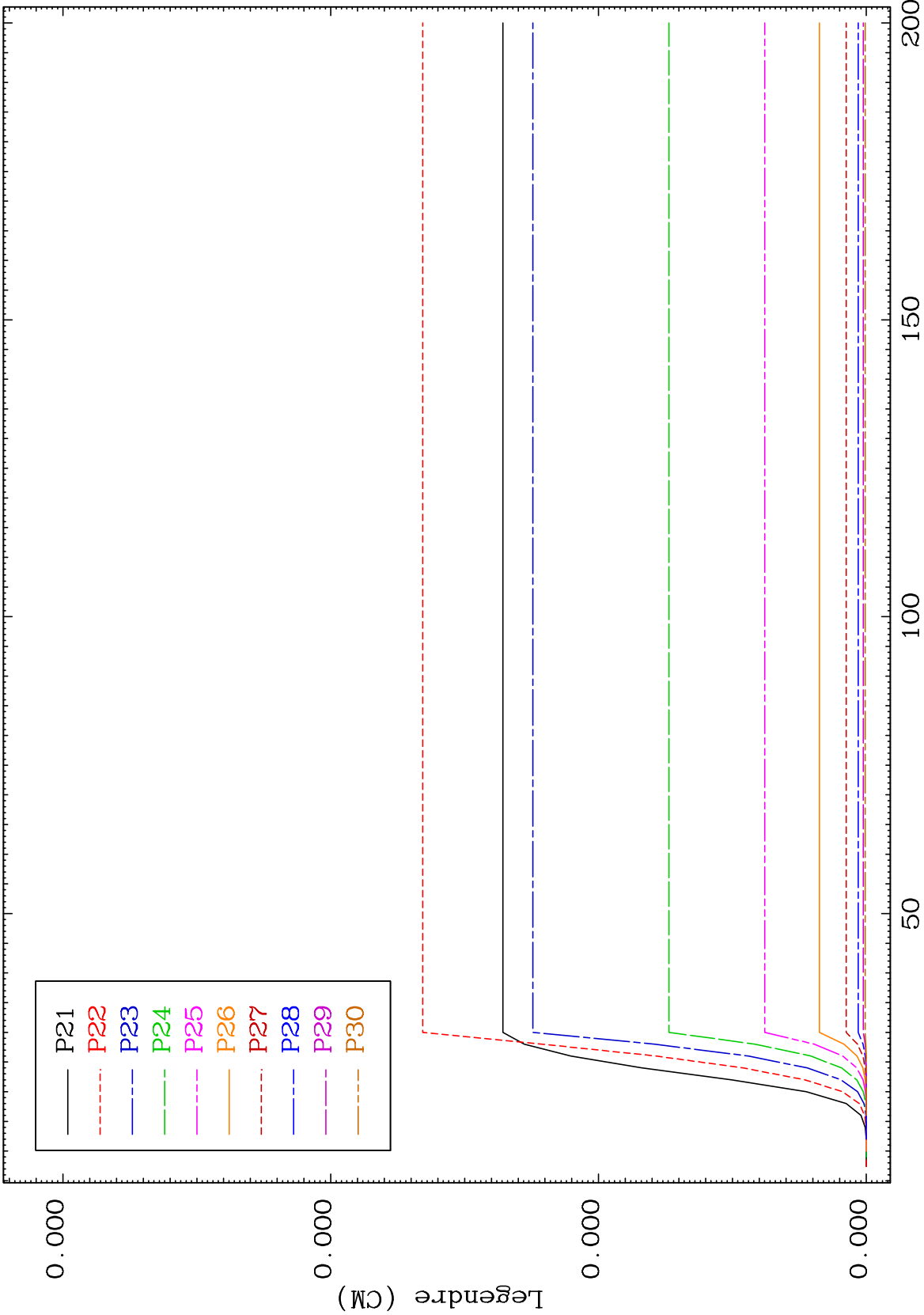
Incident Energy (MeV)

85-At-199

MAT 8513

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

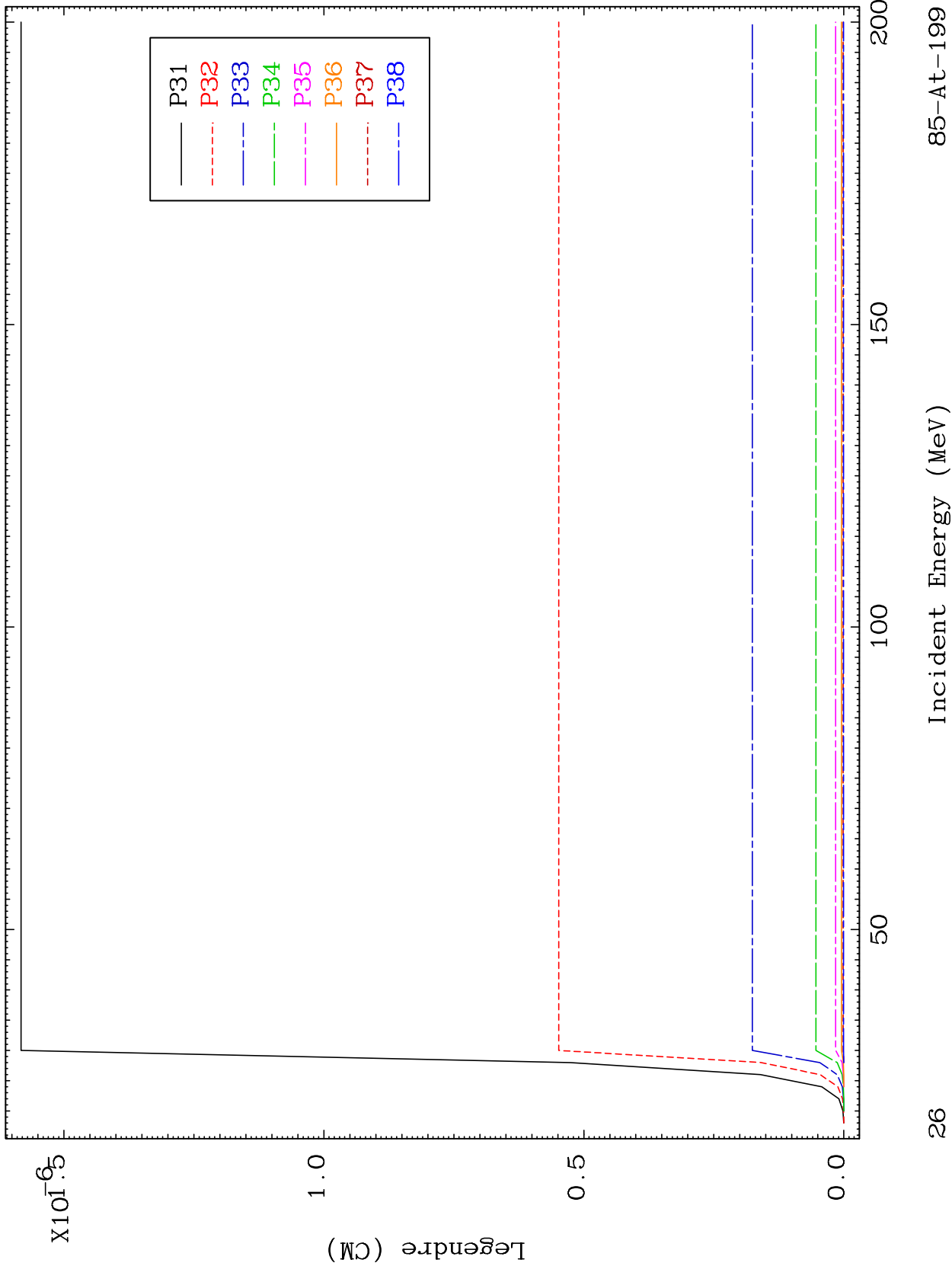
85-At-199



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Incident Energy (MeV)

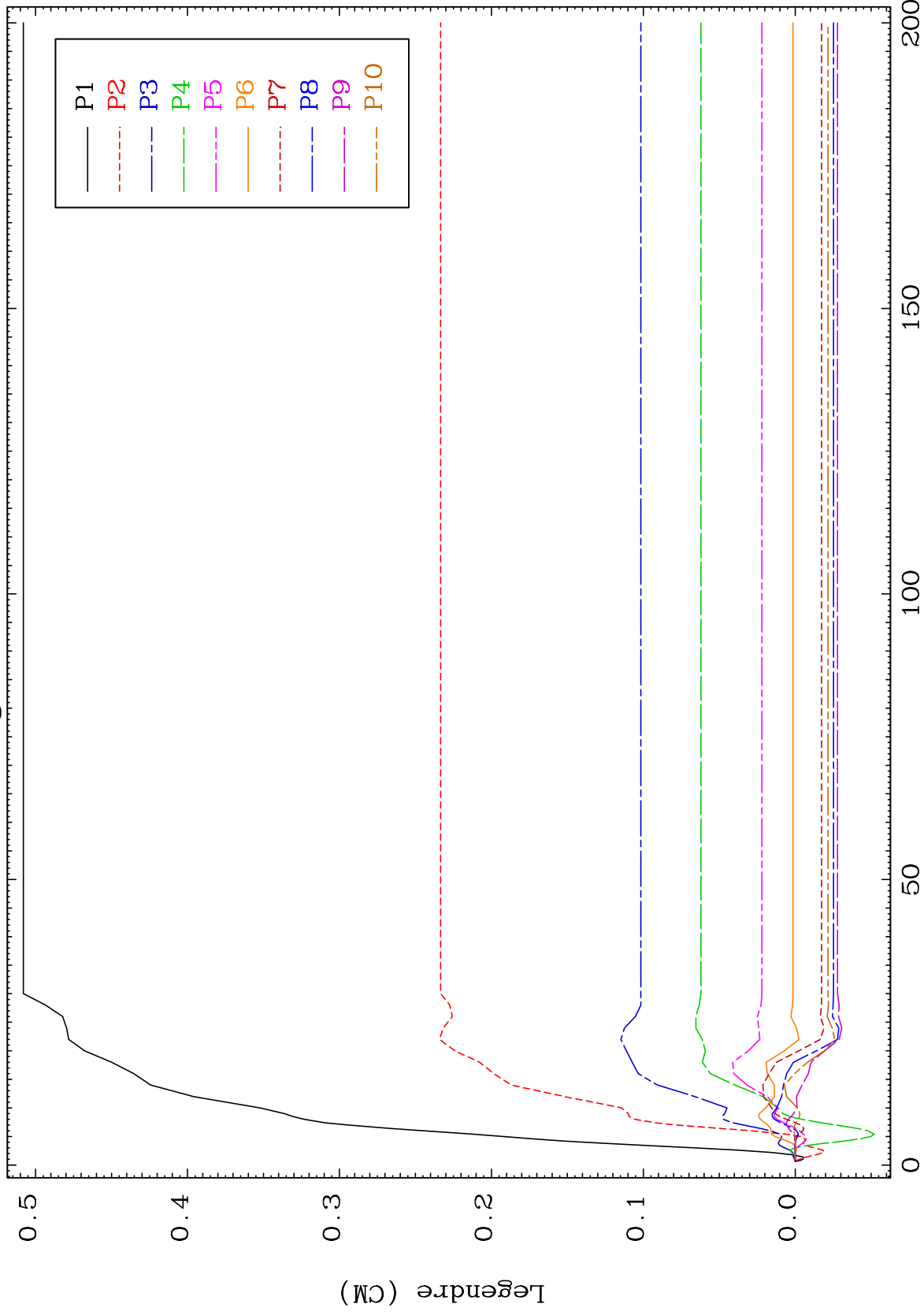
85-At-199



MAT 8513

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

85-At-199



27

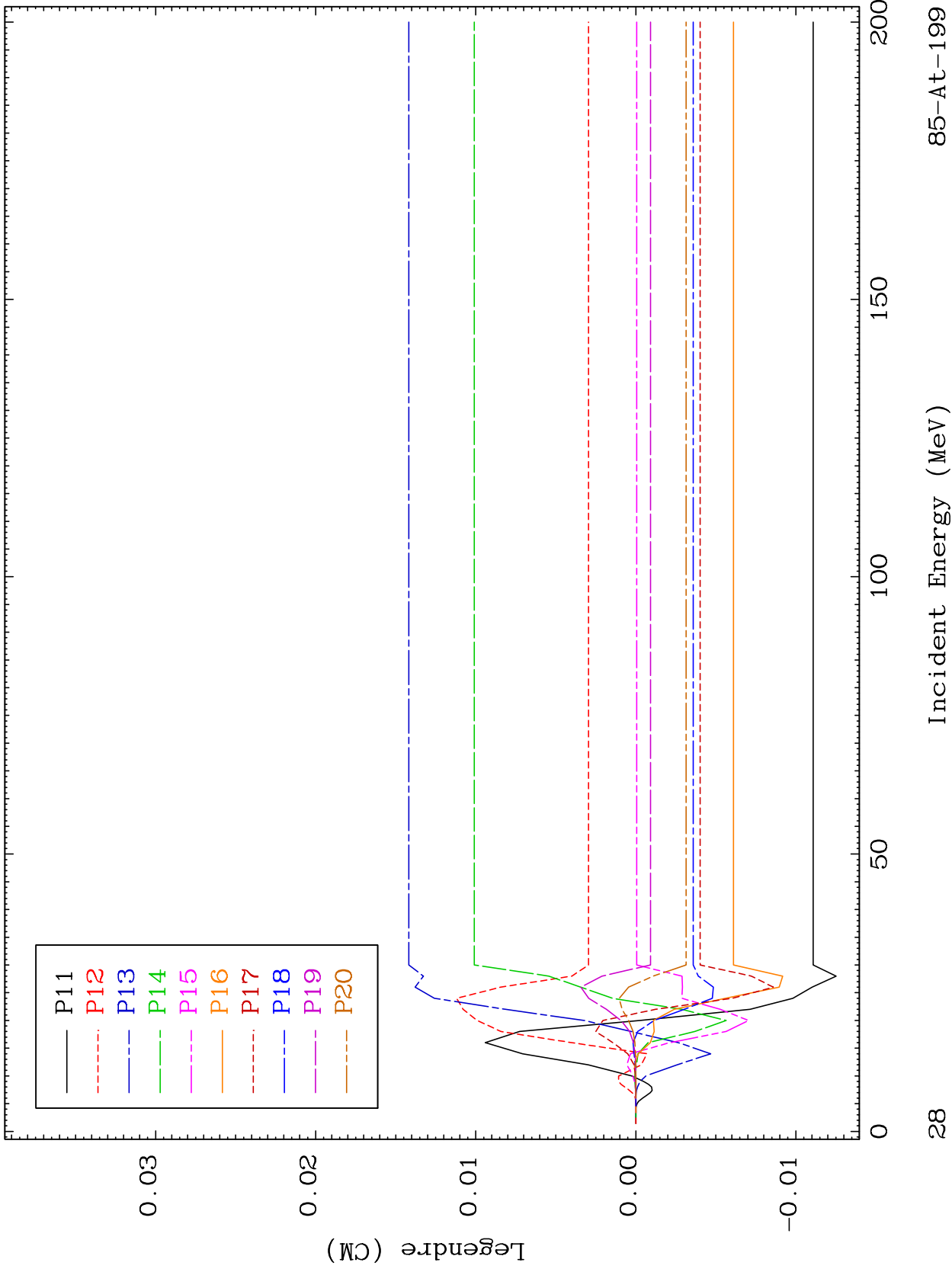
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



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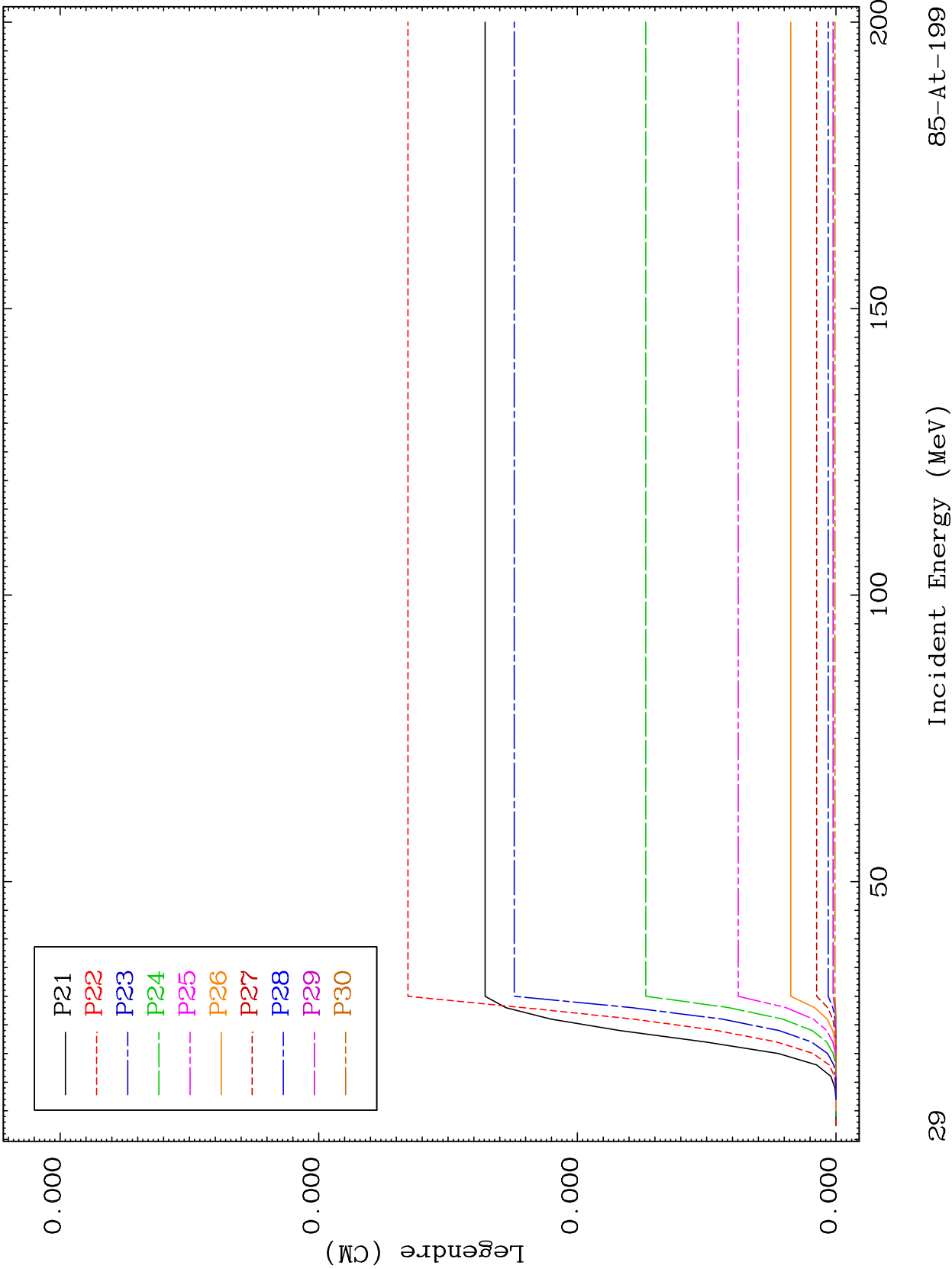
Incident Energy (MeV)

85-At-199

MAT 8513

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

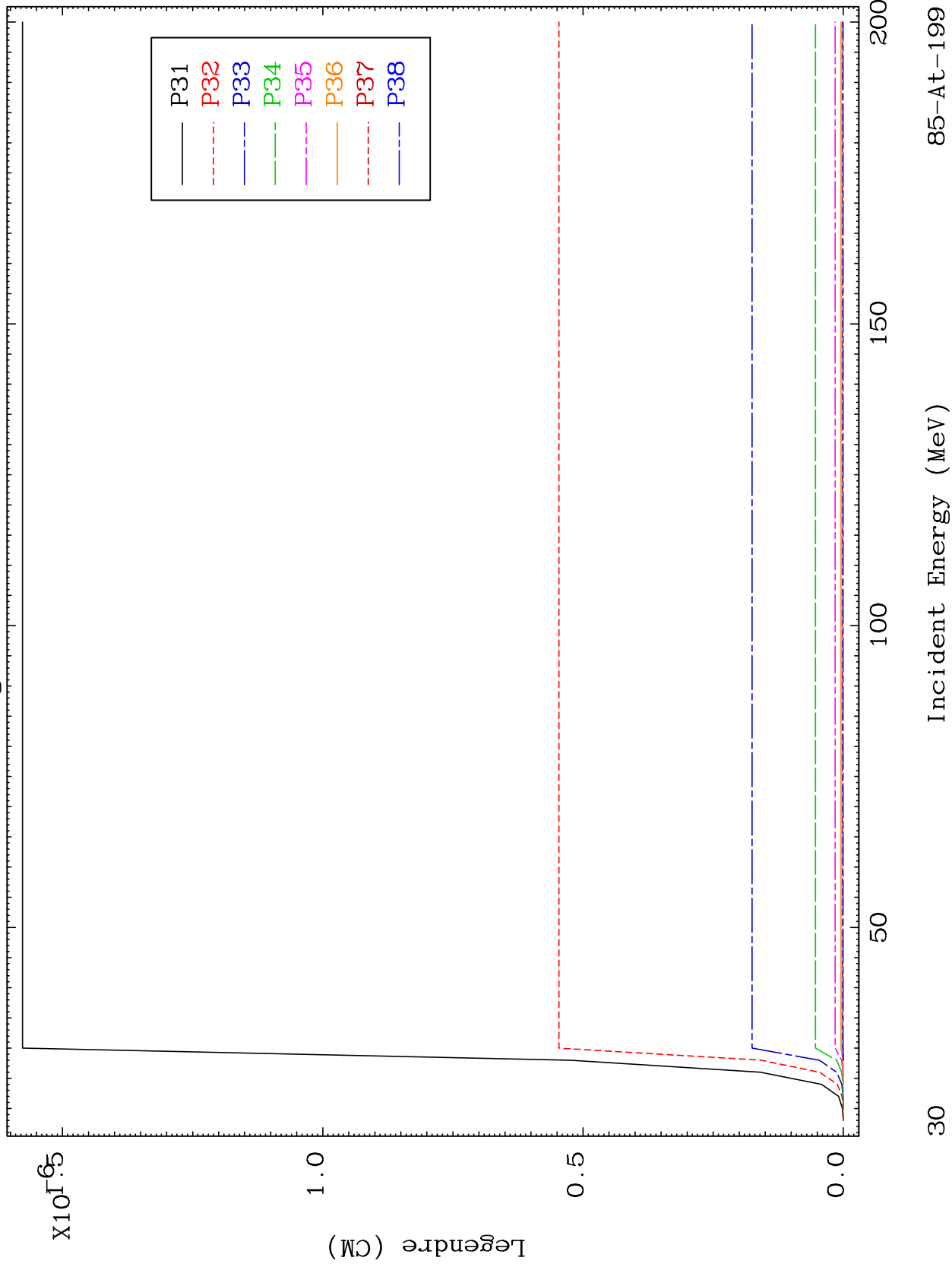
85-At-199



MAT 8513

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

85-At-199



30

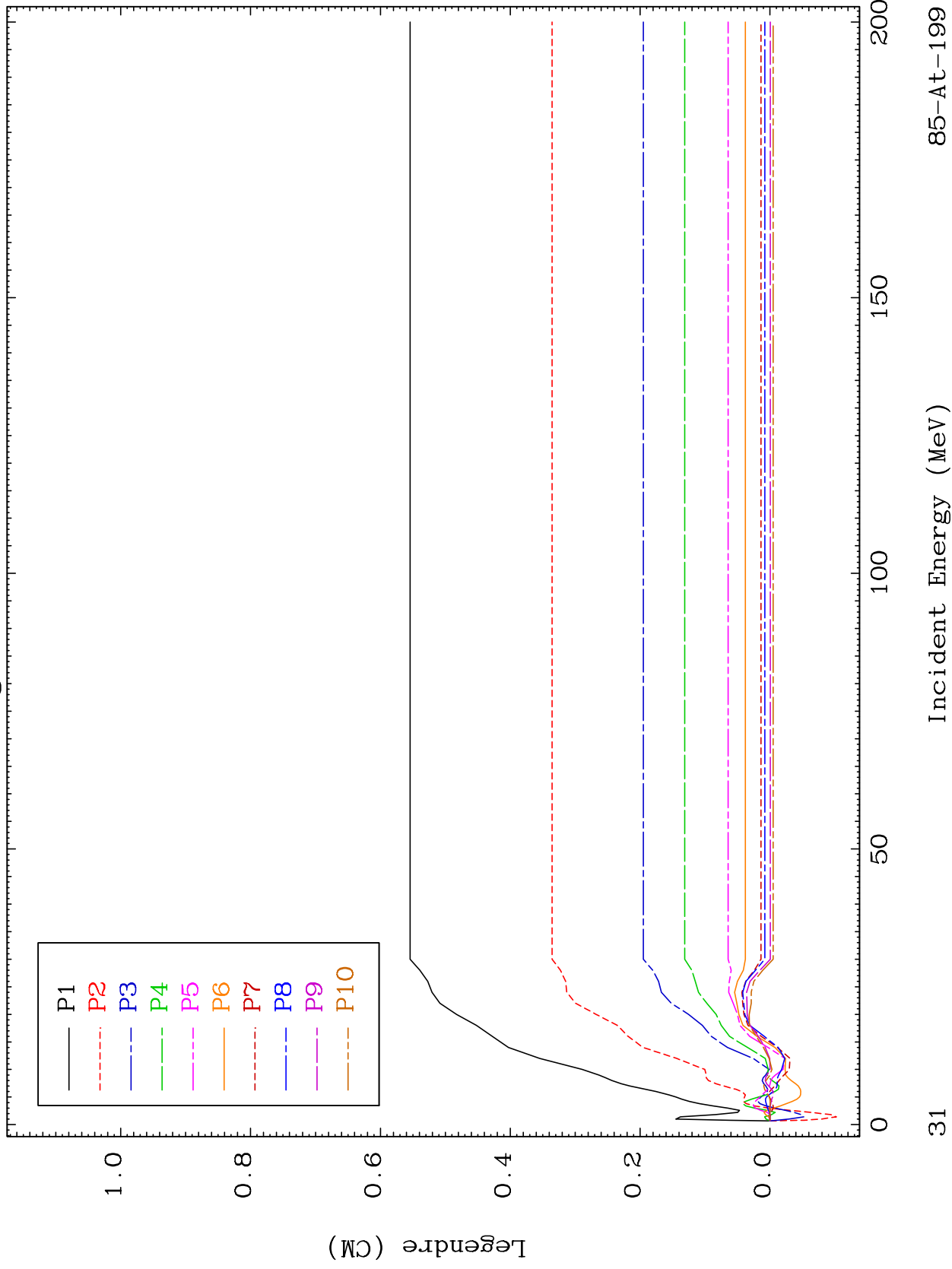
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



31

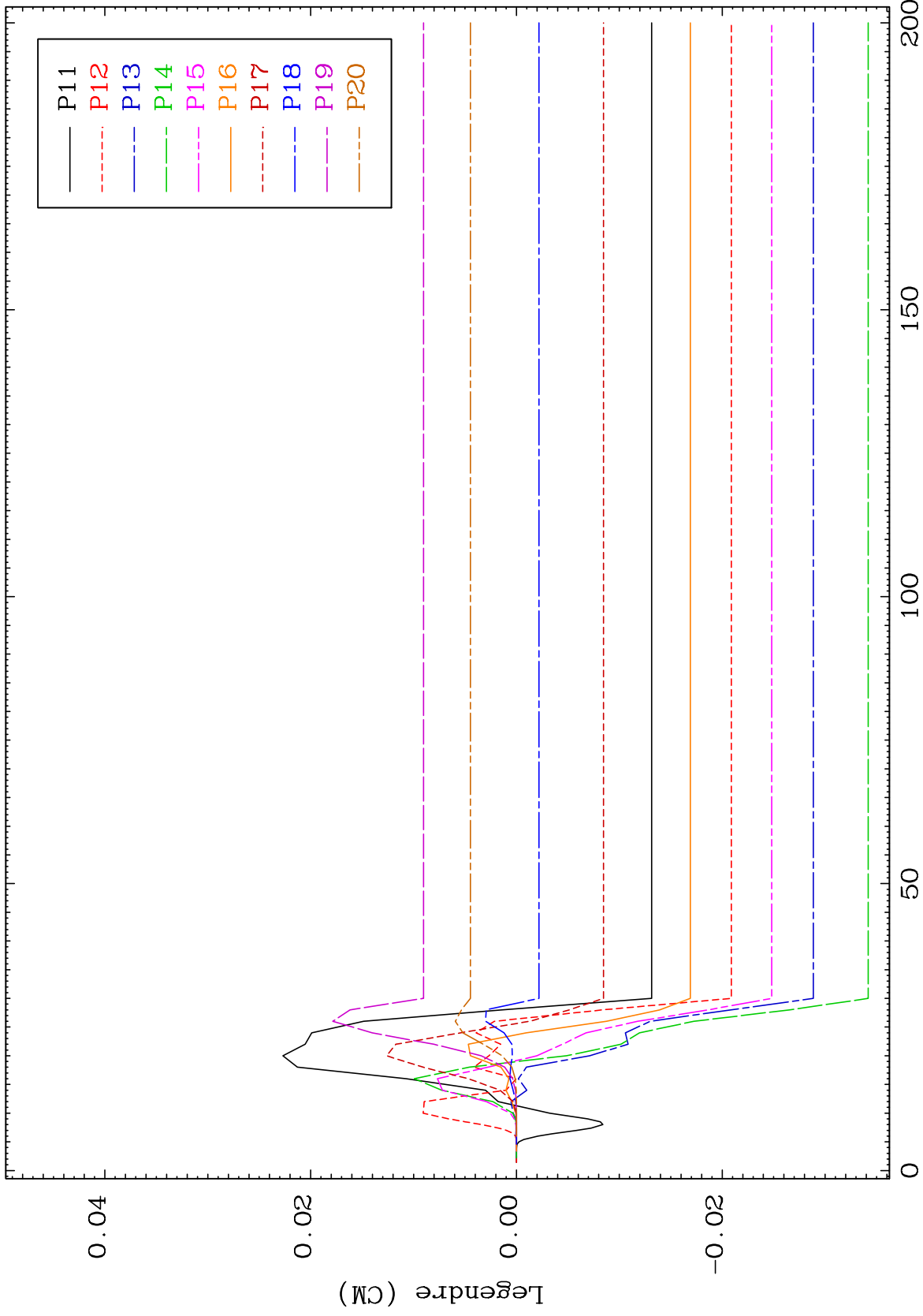
Incident Energy (MeV)

85-At-199

MAT 8513

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

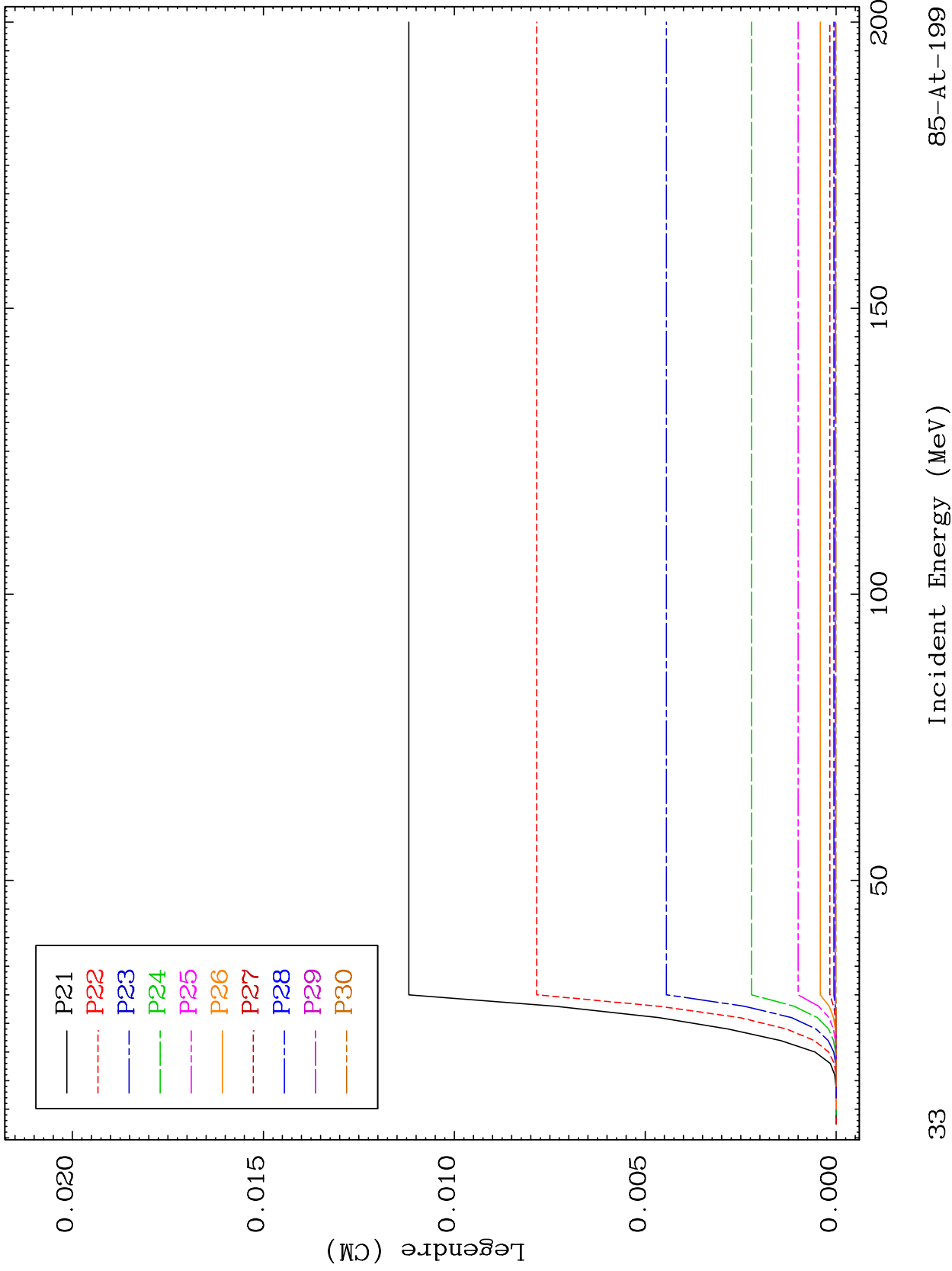
85-At-199



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Incident Energy (MeV)

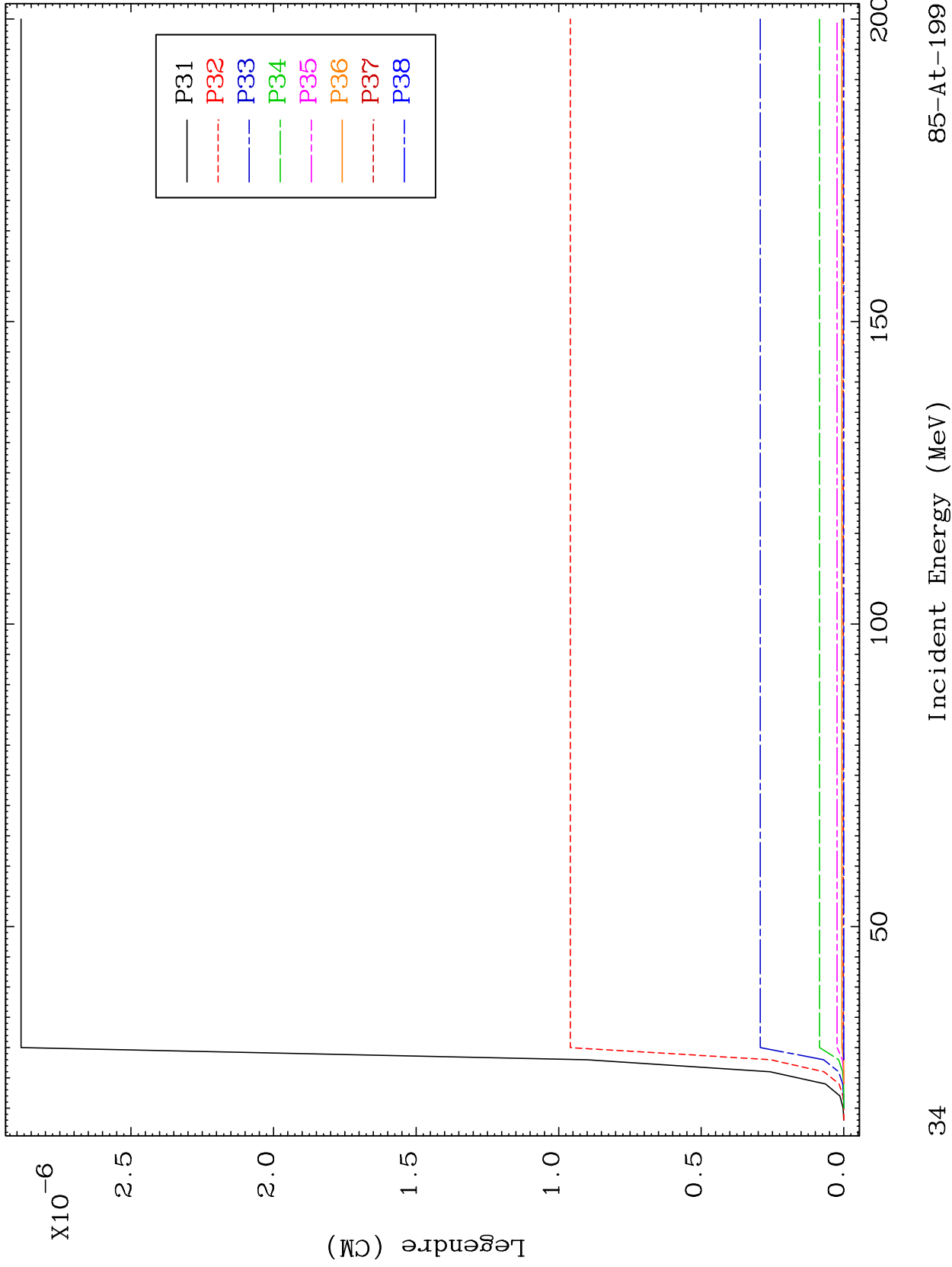
85-At-199



MAT 8513

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

85-At-199



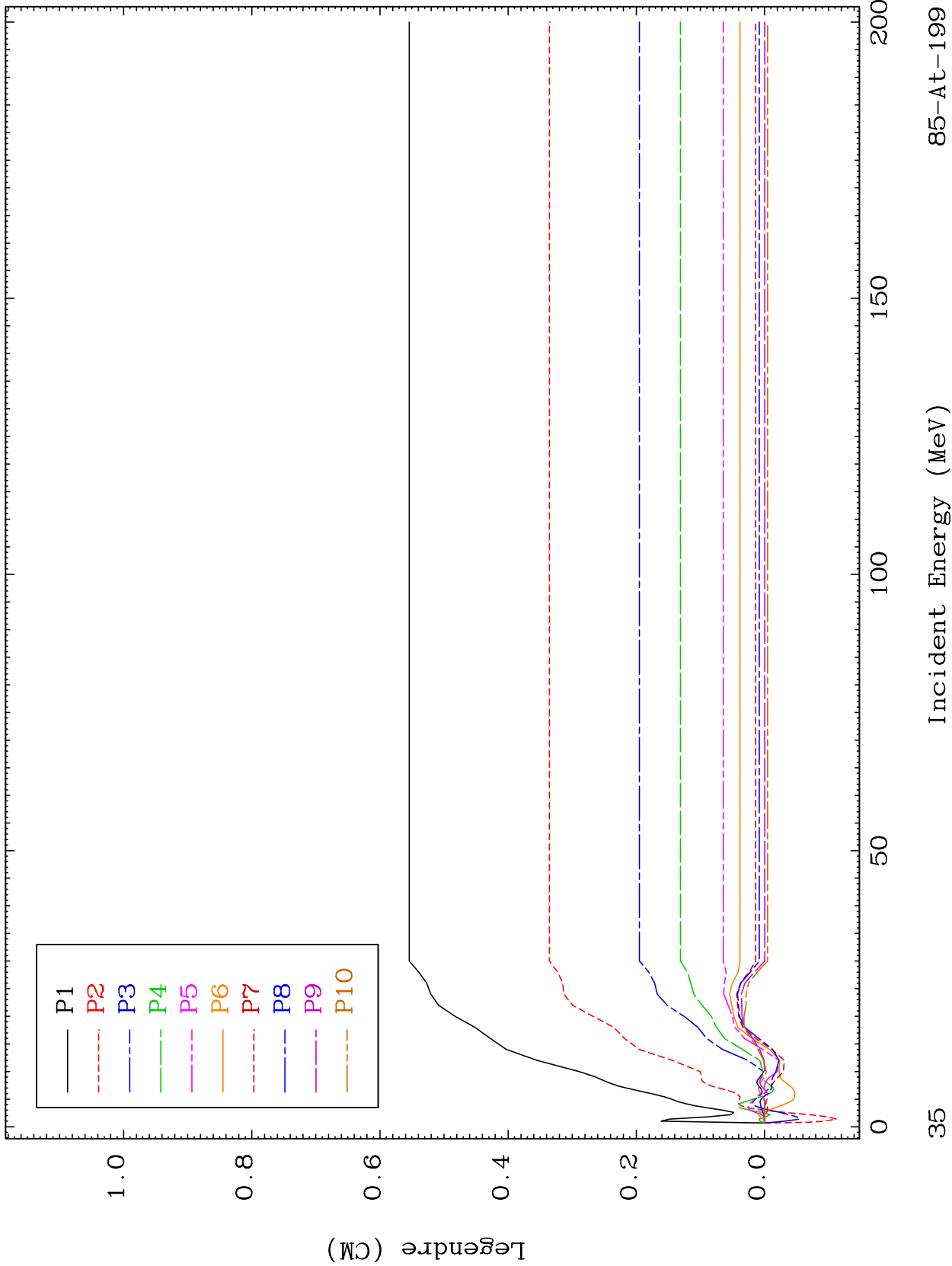
34

85-At-199

MAT 8513

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

85-At-199



85-At-199

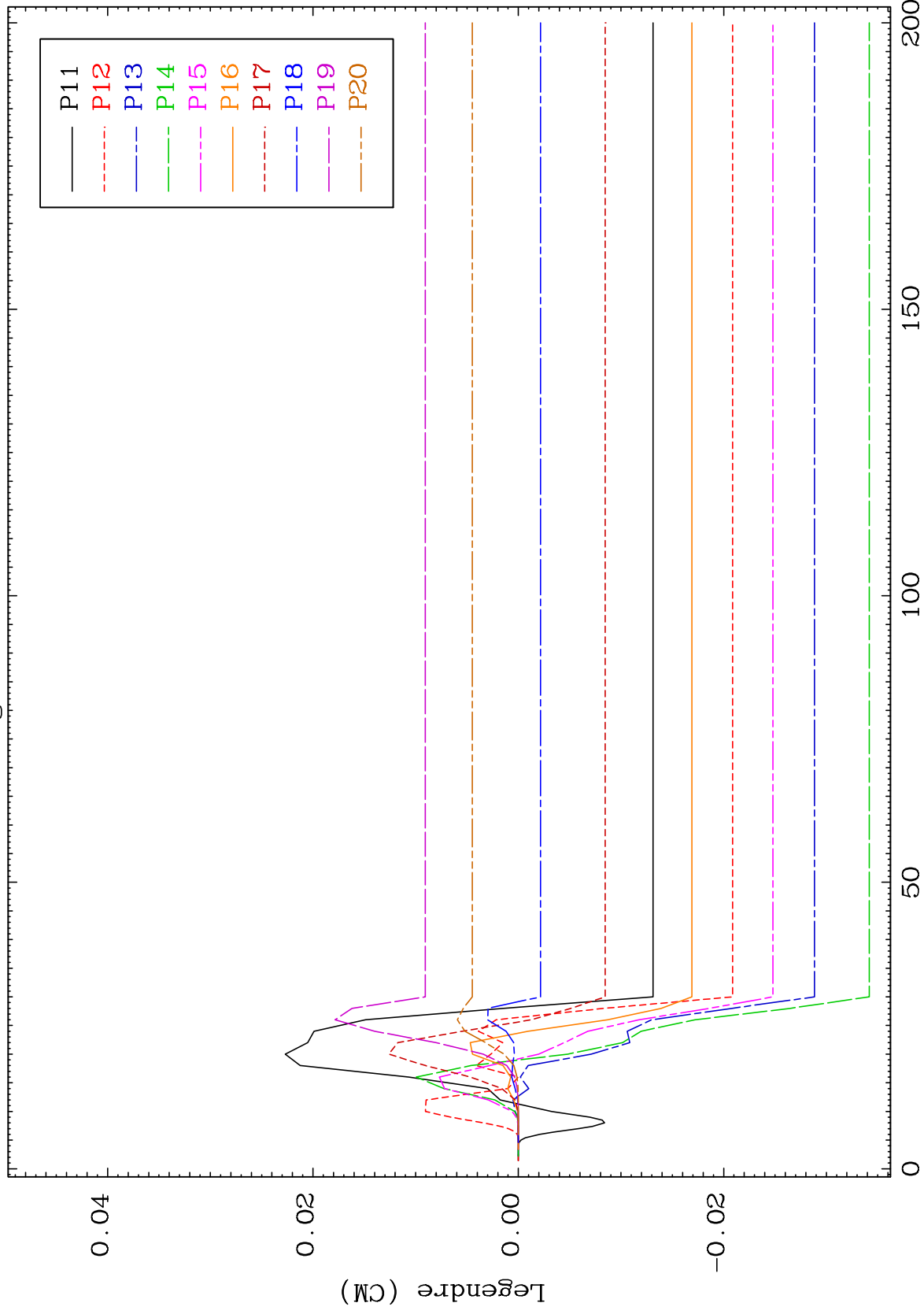
Incident Energy (MeV)

35

MAT 8513

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

85-At-199



36

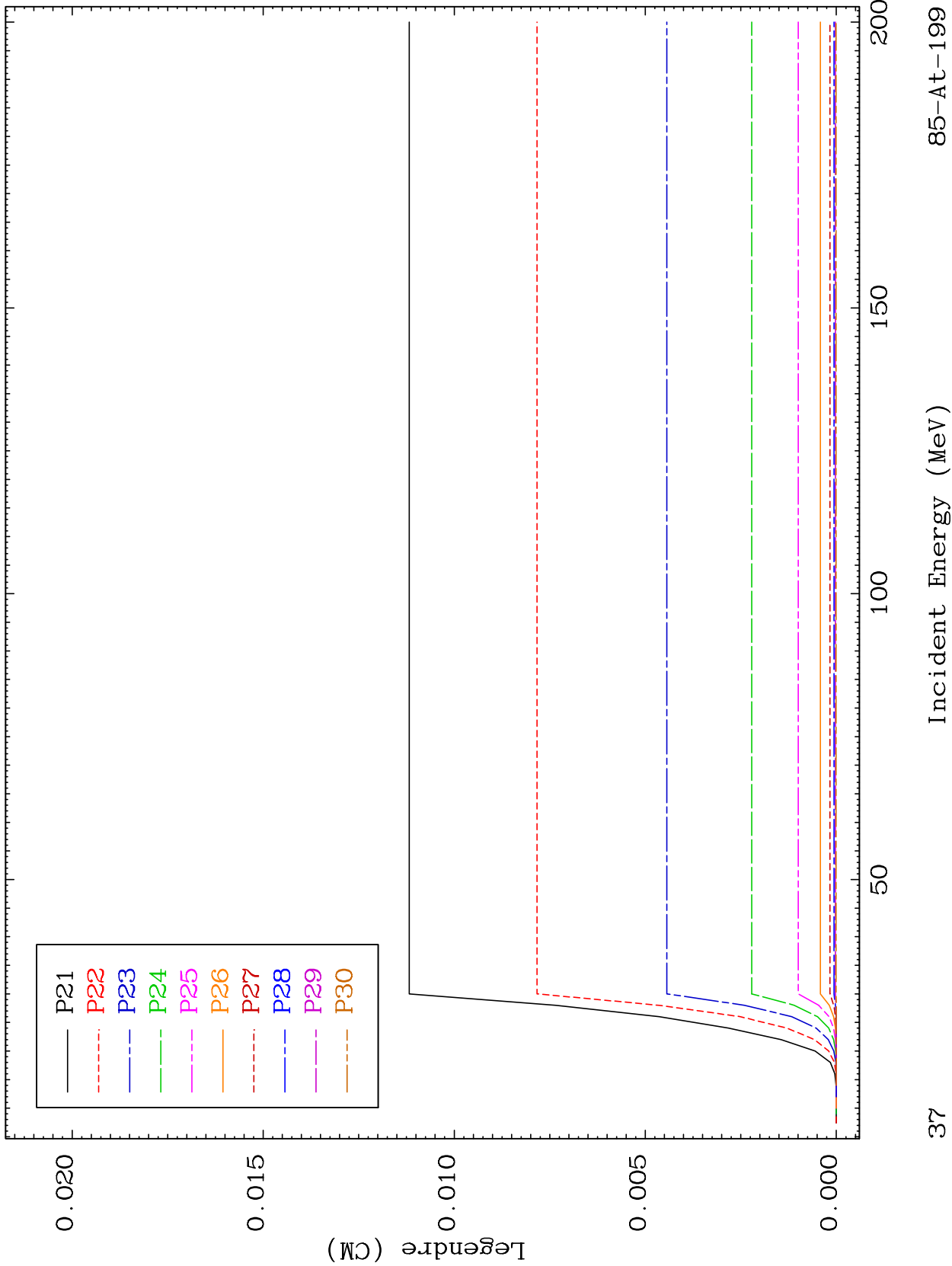
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



37

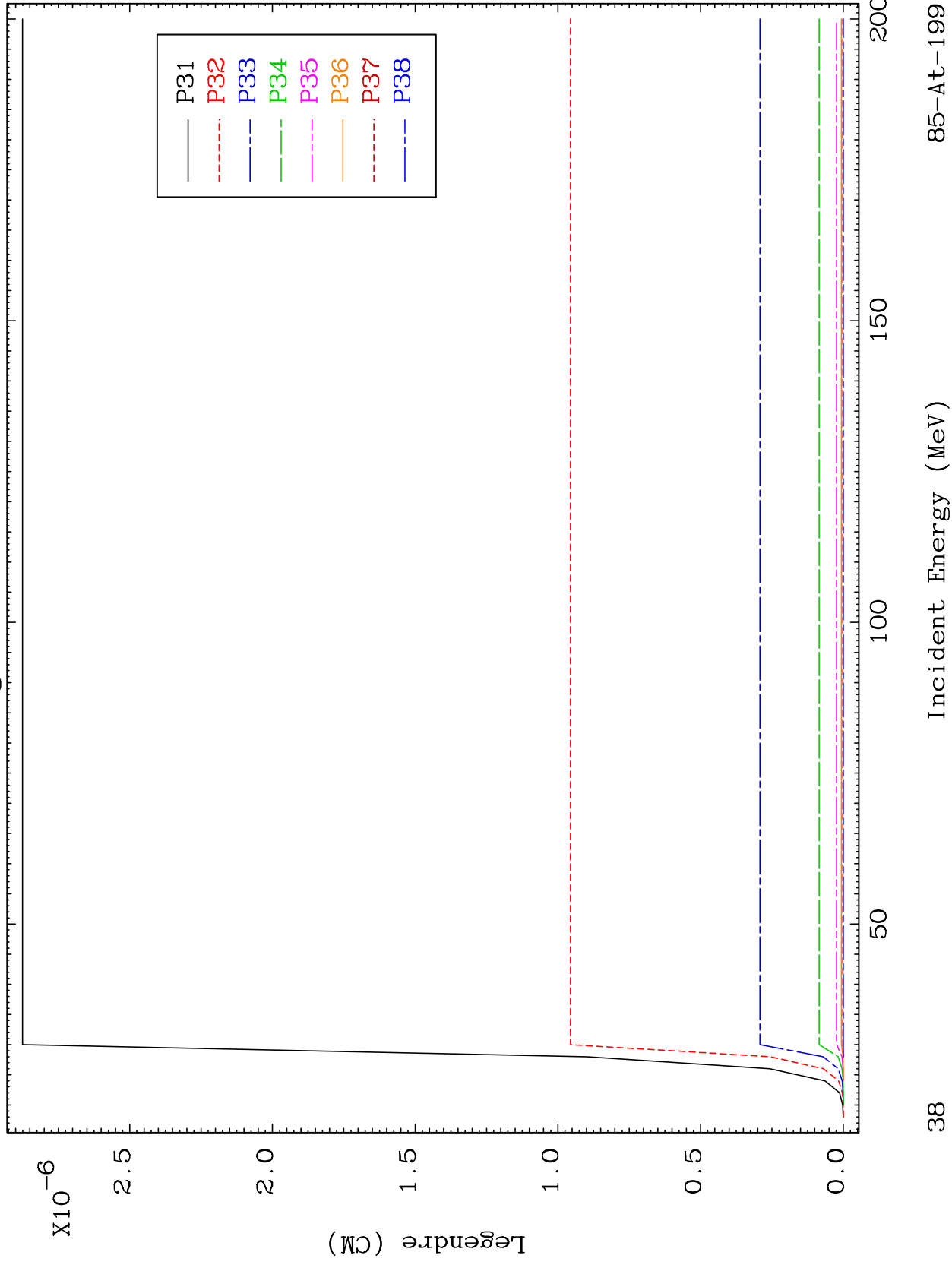
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



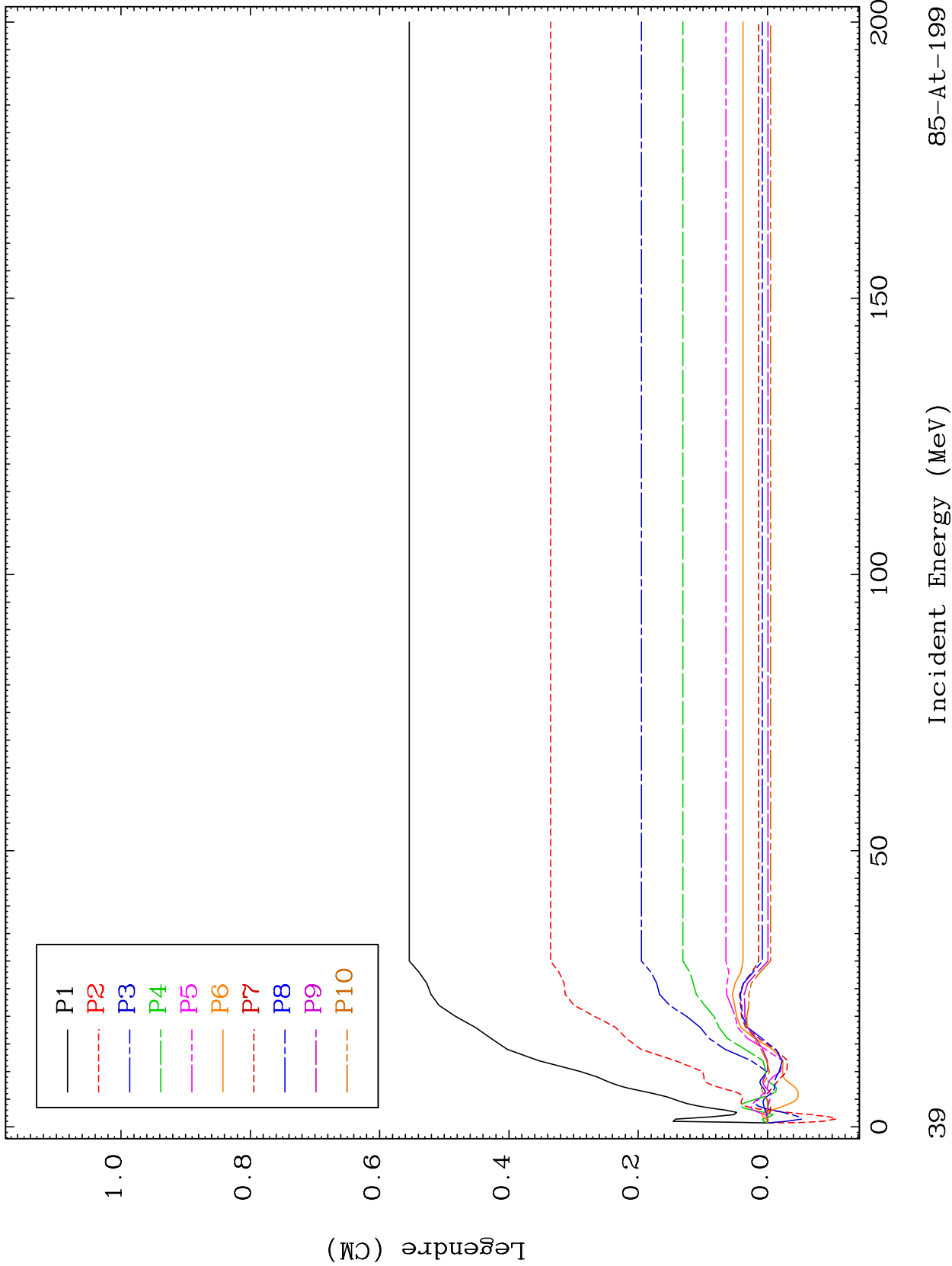
38

85-At-199

MAT 8513

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

85-At-199



39

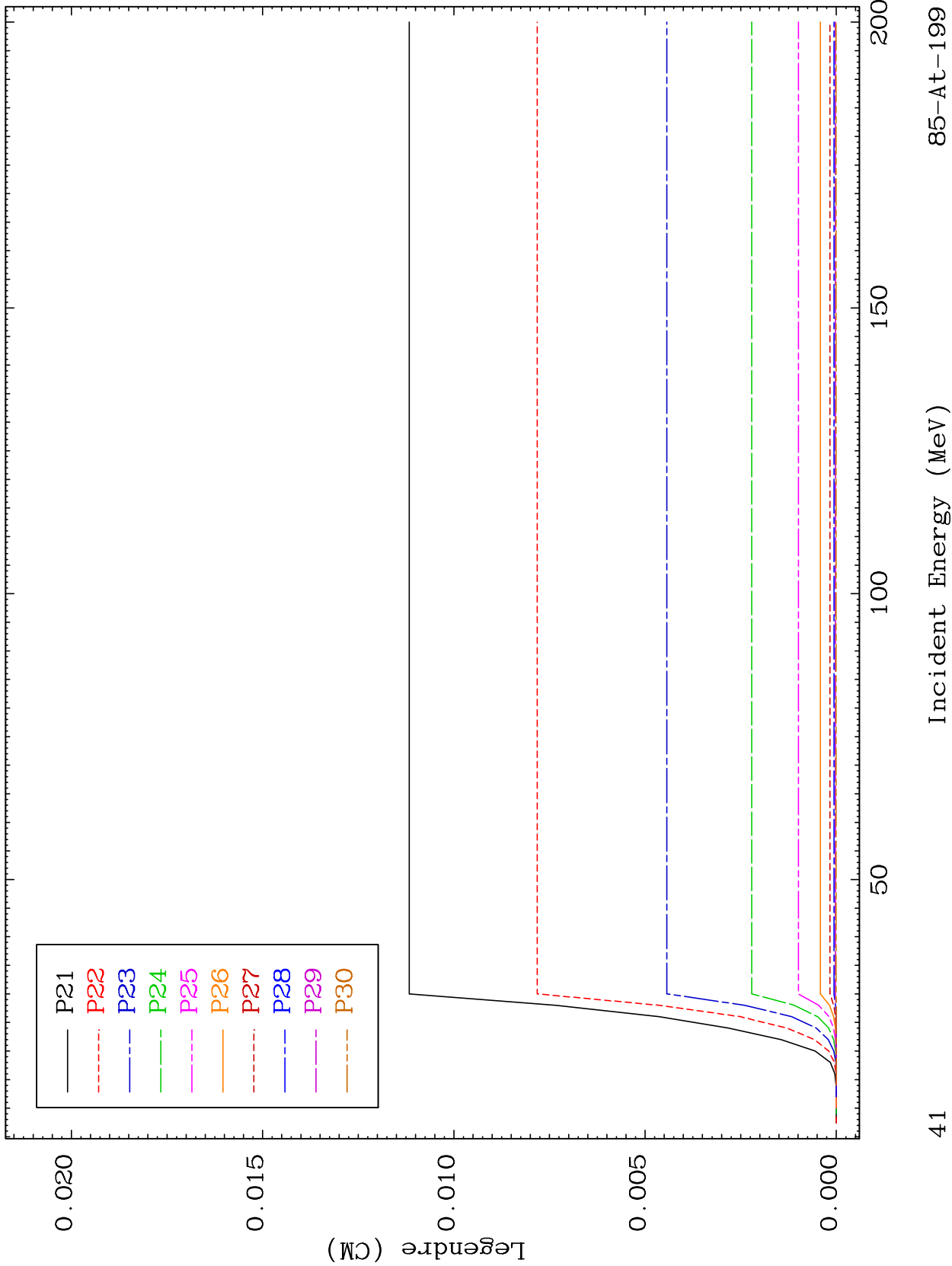
Incident Energy (MeV)

85-At-199

MAT 8513

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

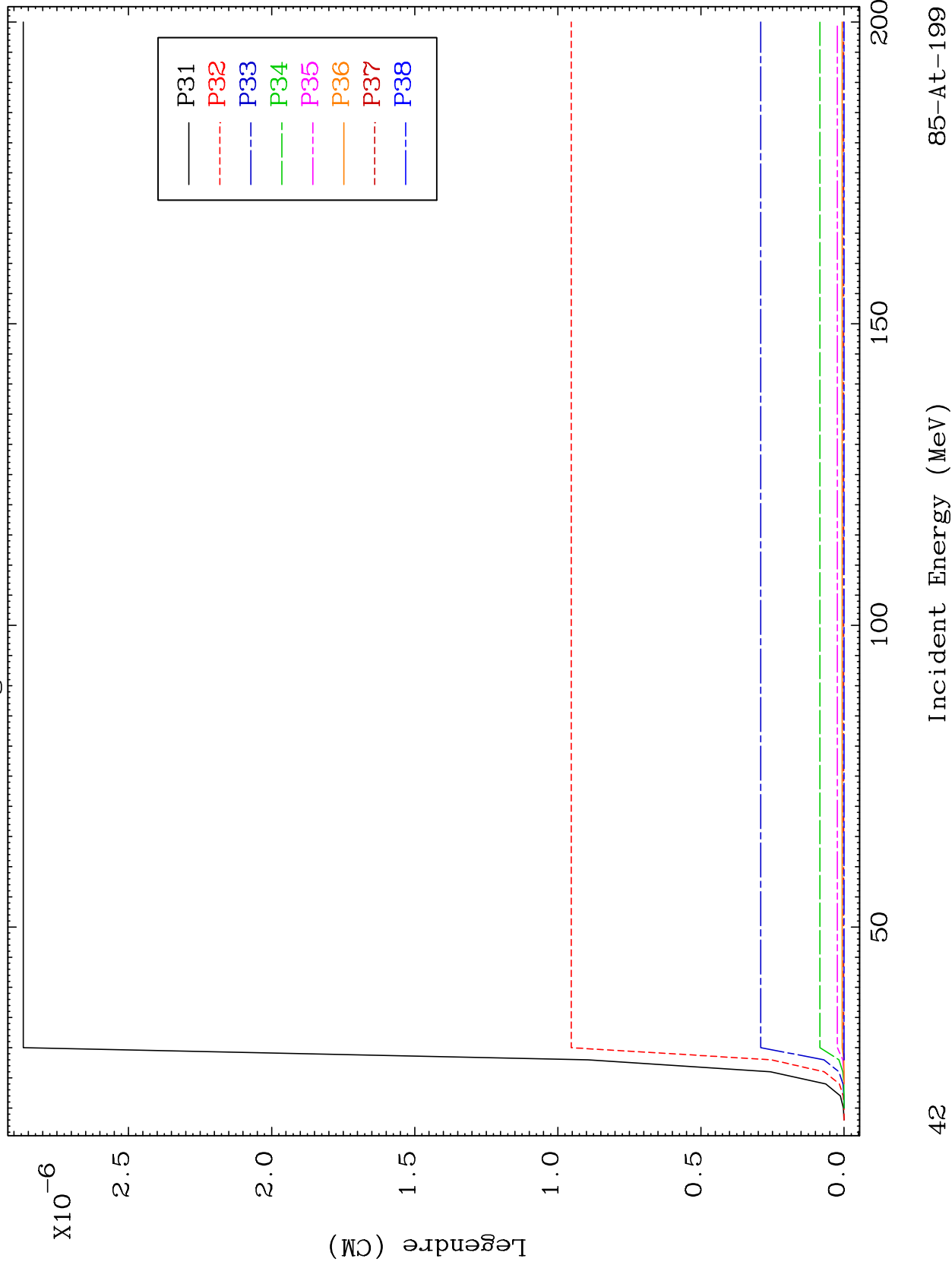
85-At-199



MAT 8513

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

85-At-199



42

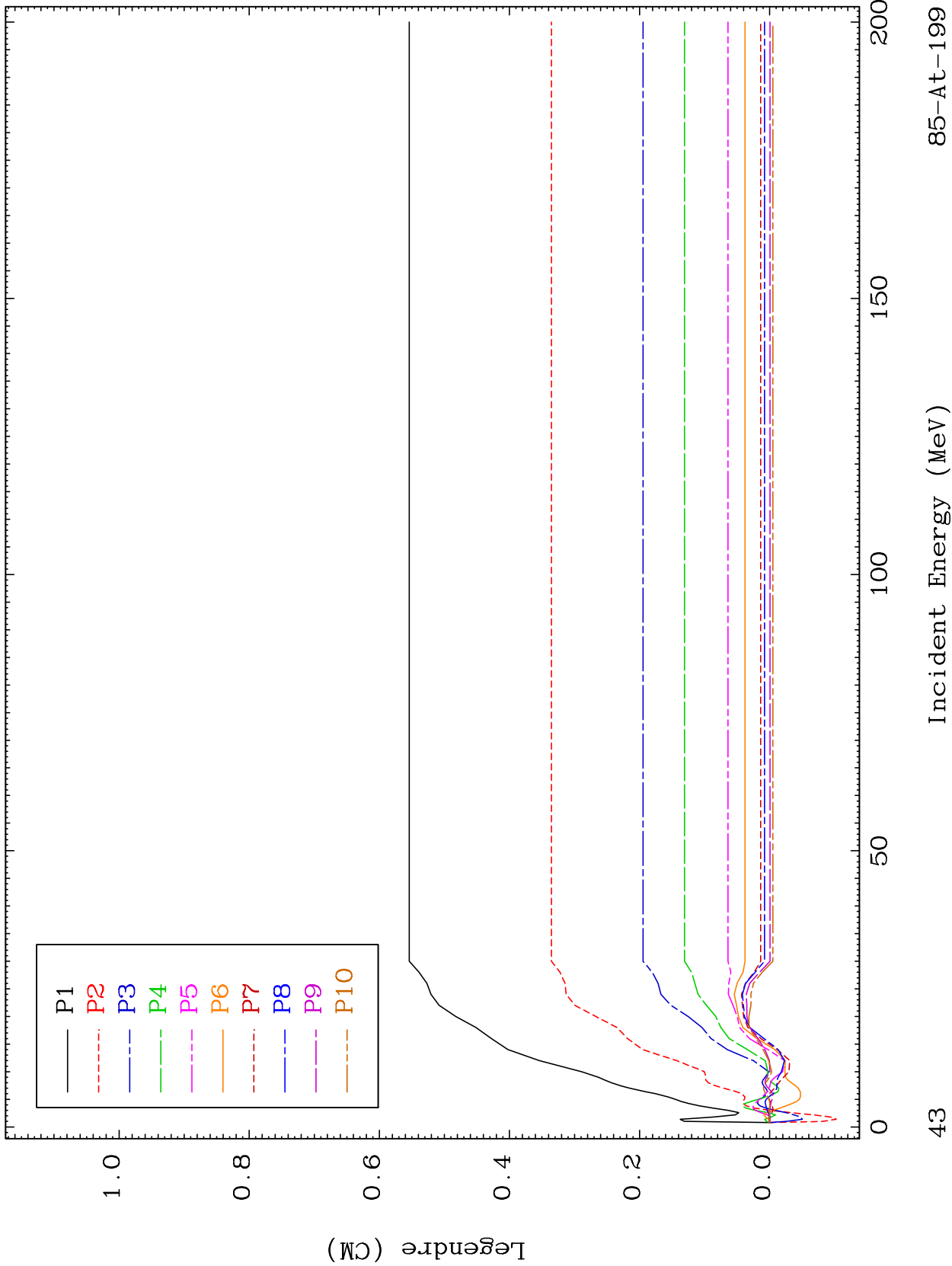
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



43

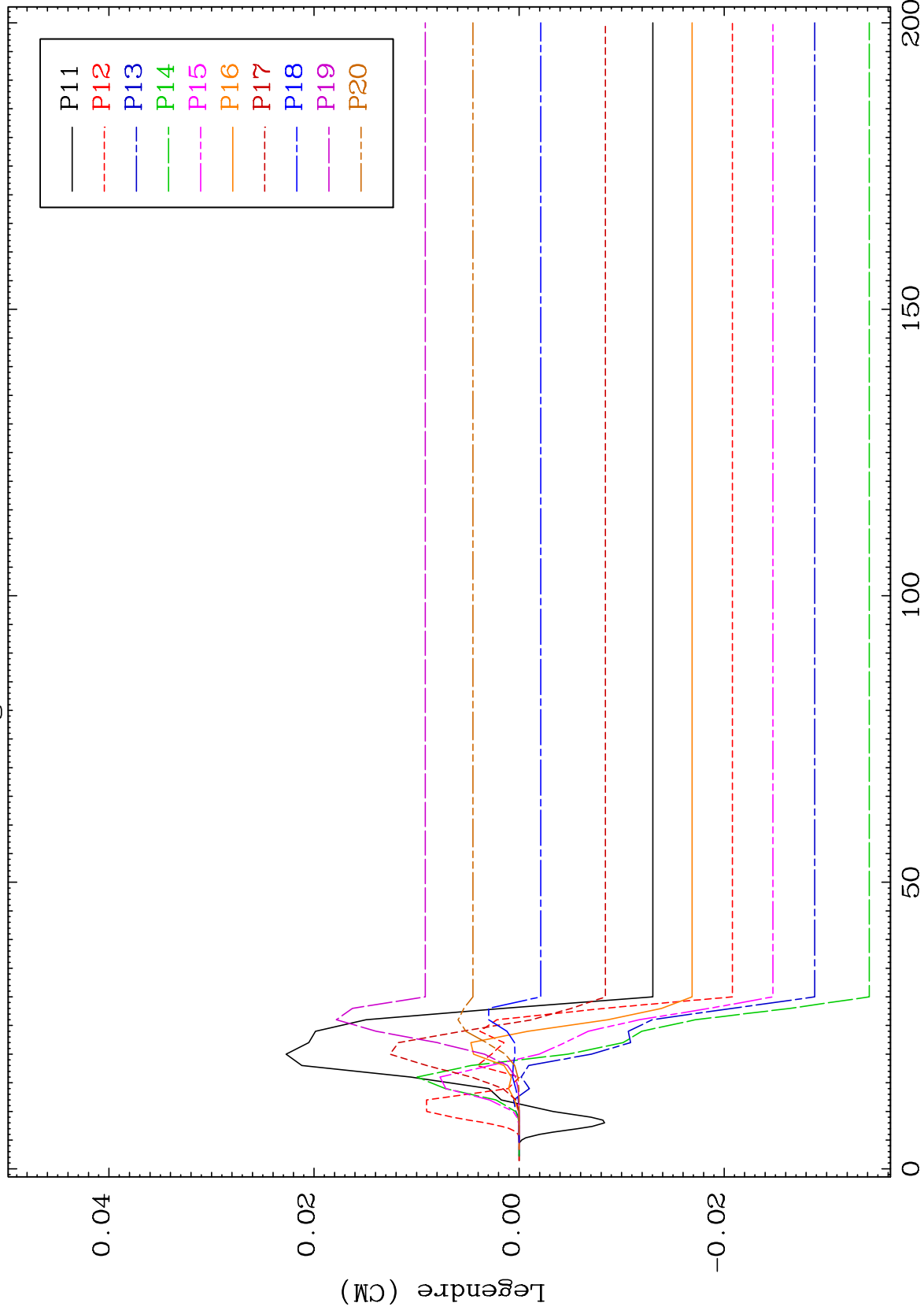
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



44

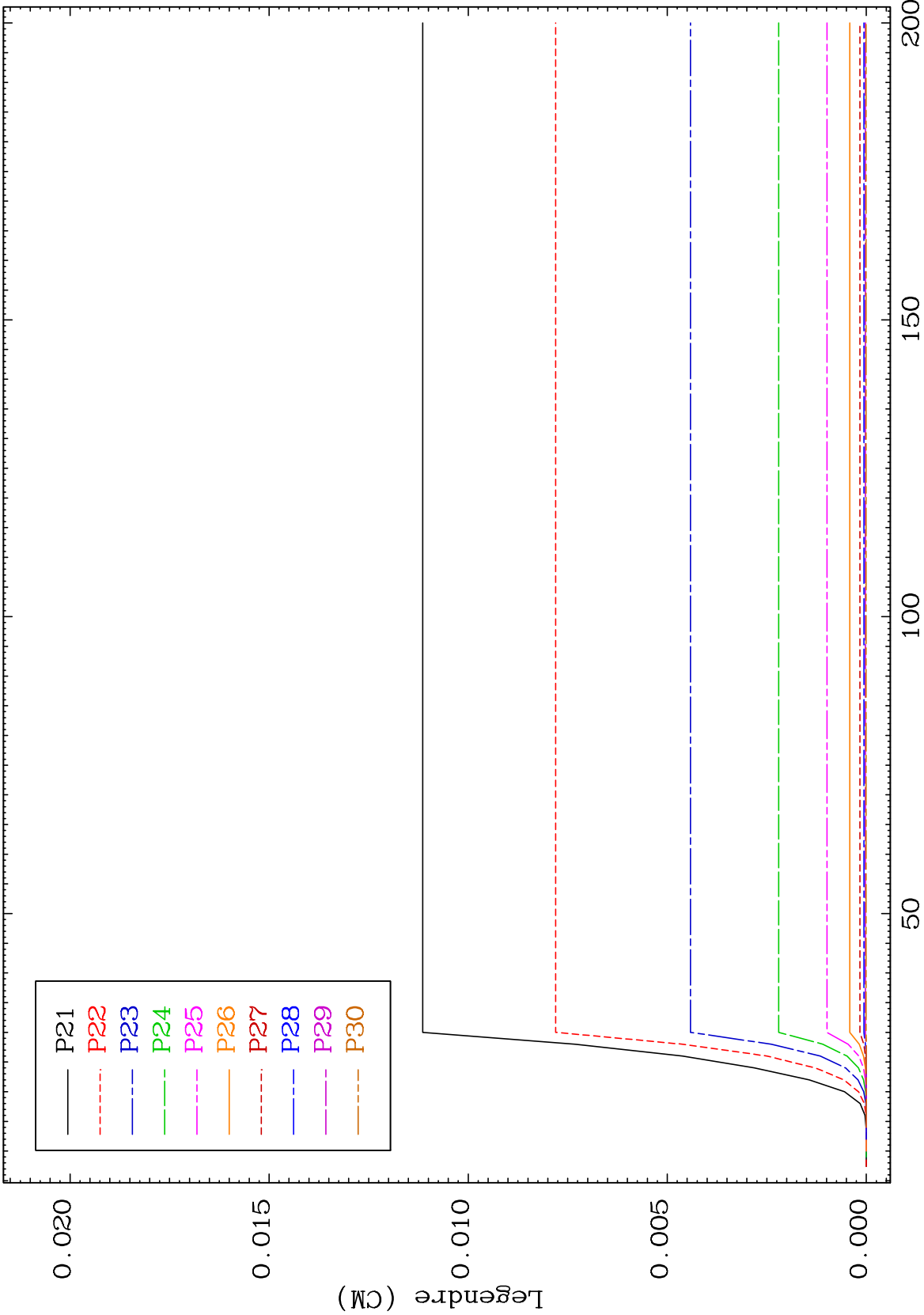
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



45

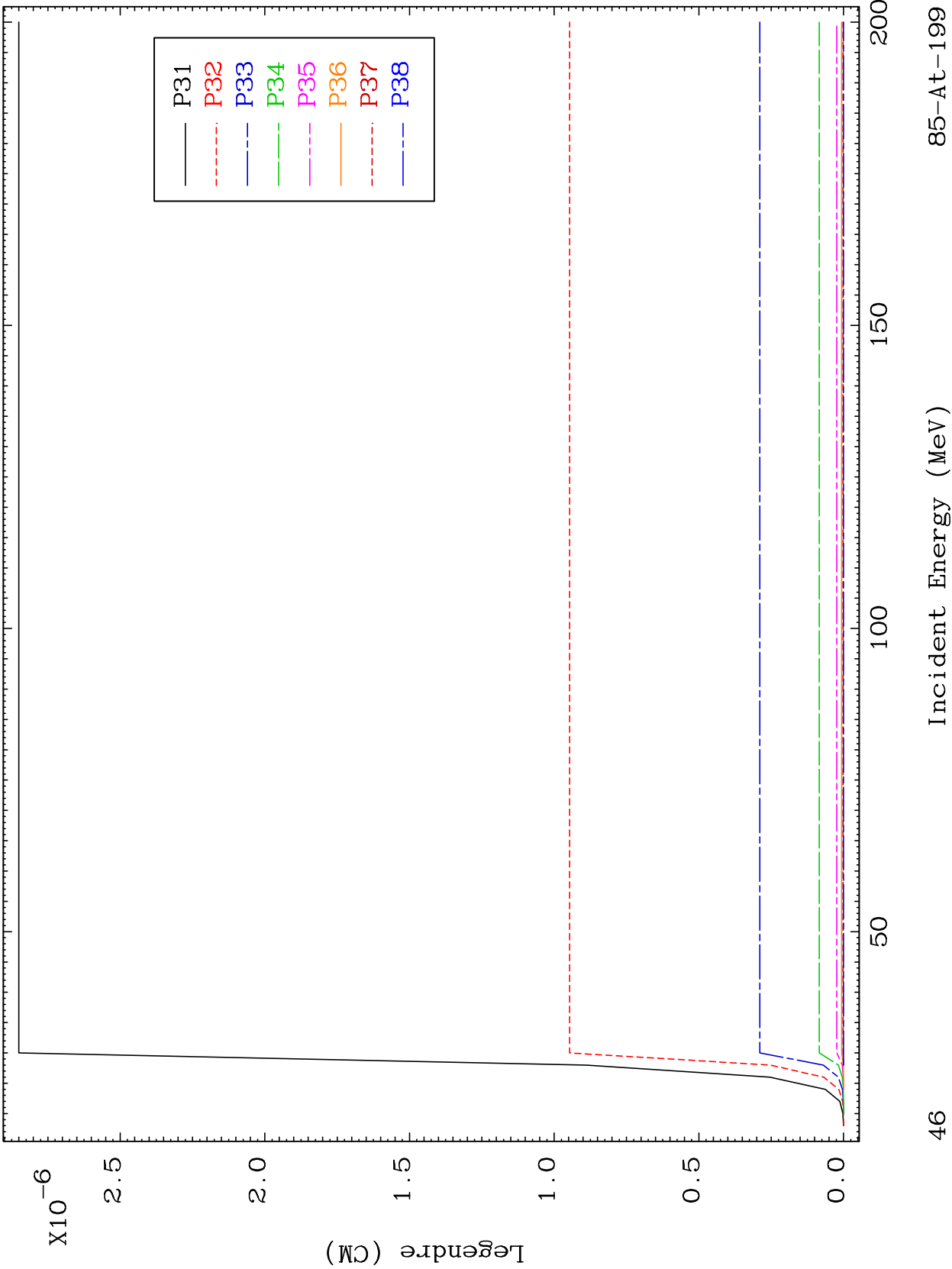
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



46

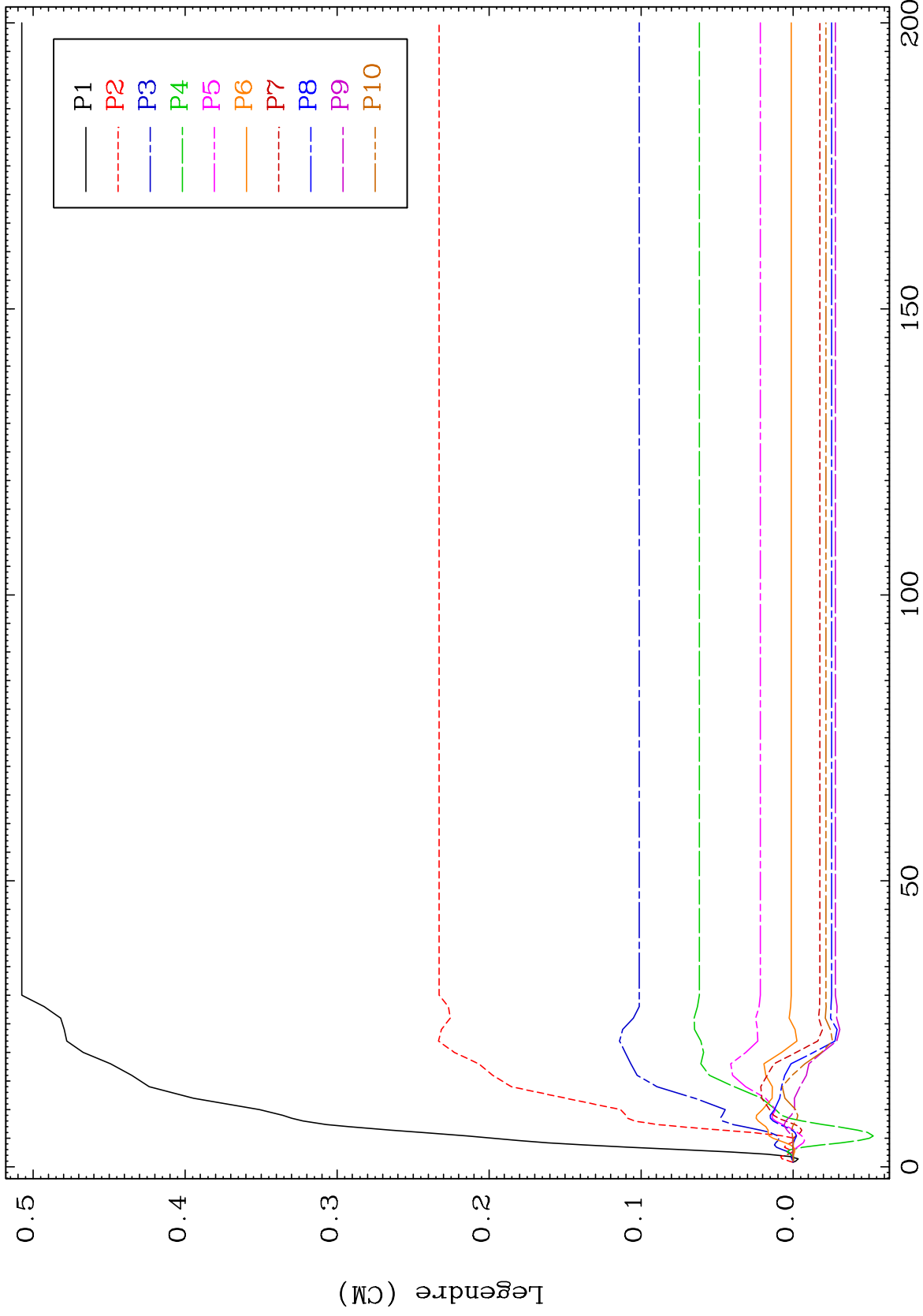
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



47

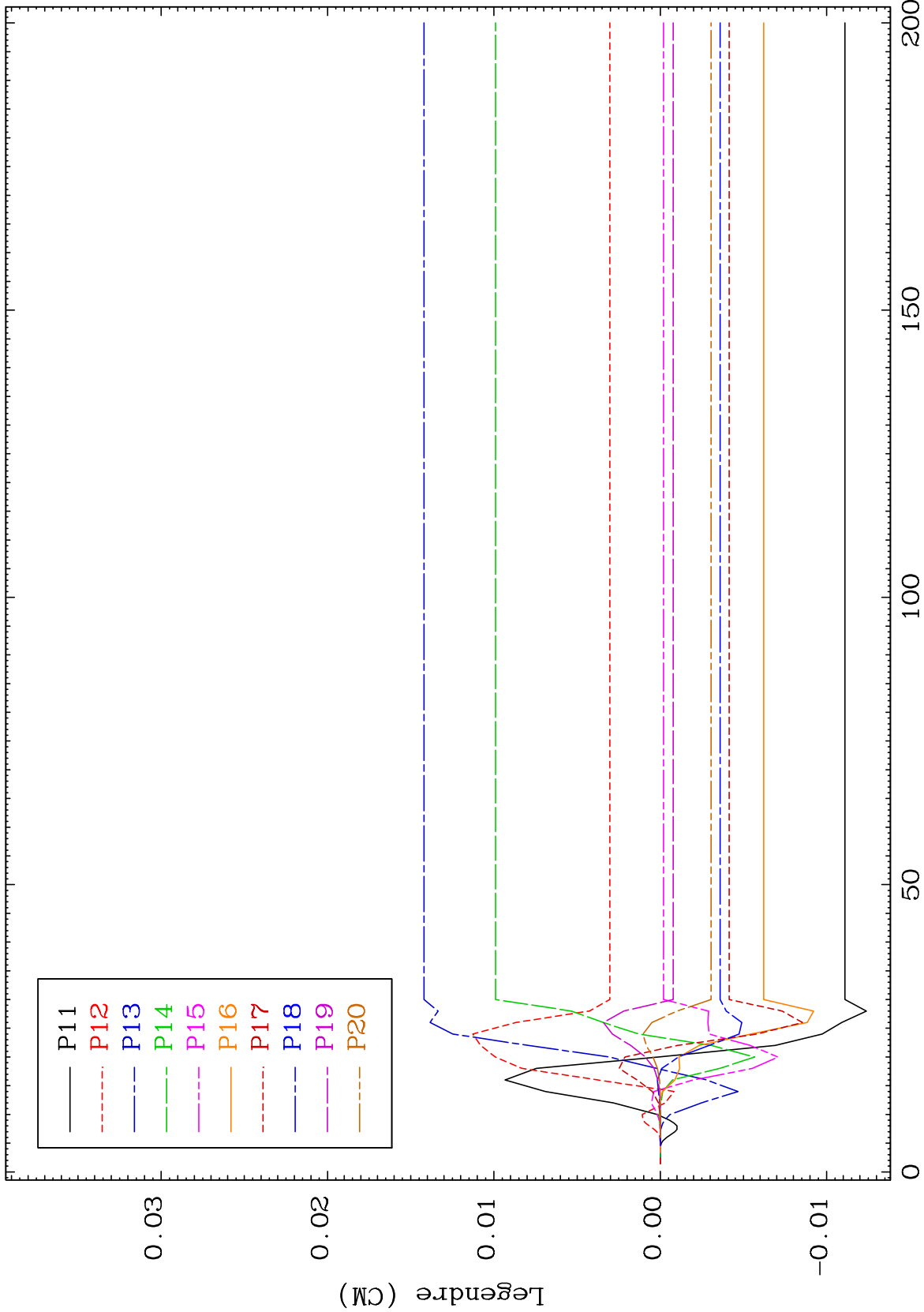
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



48

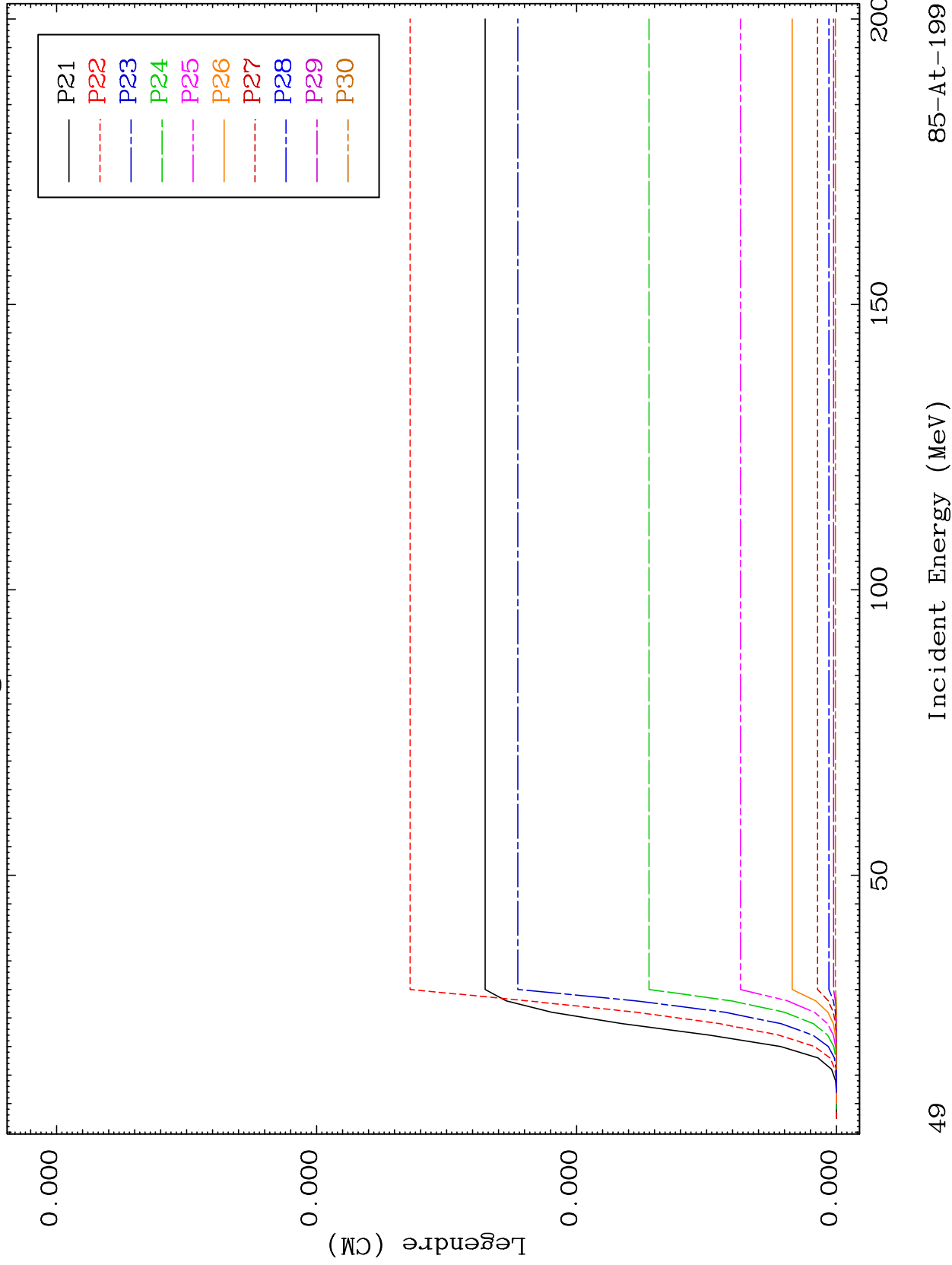
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



49

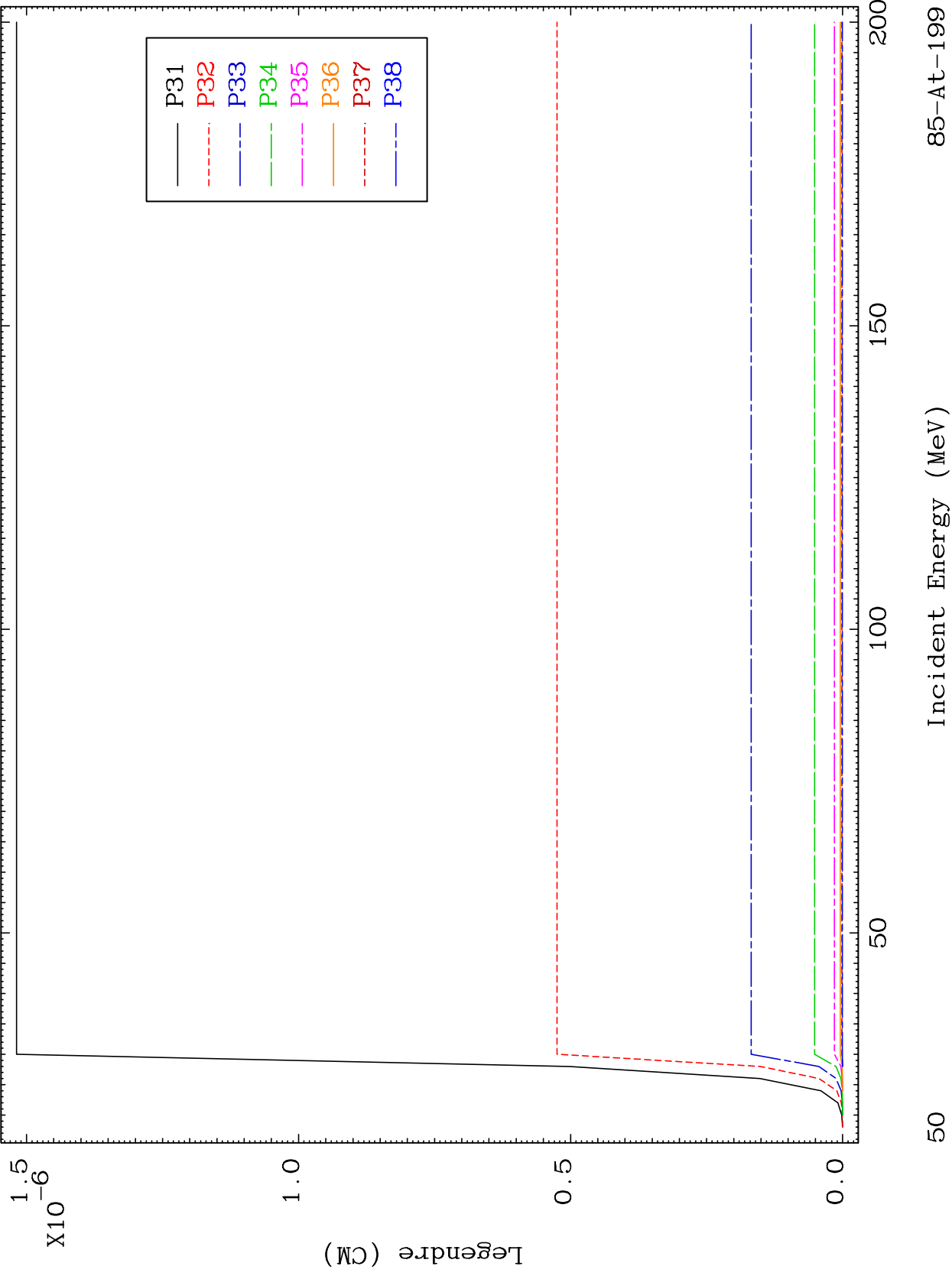
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199

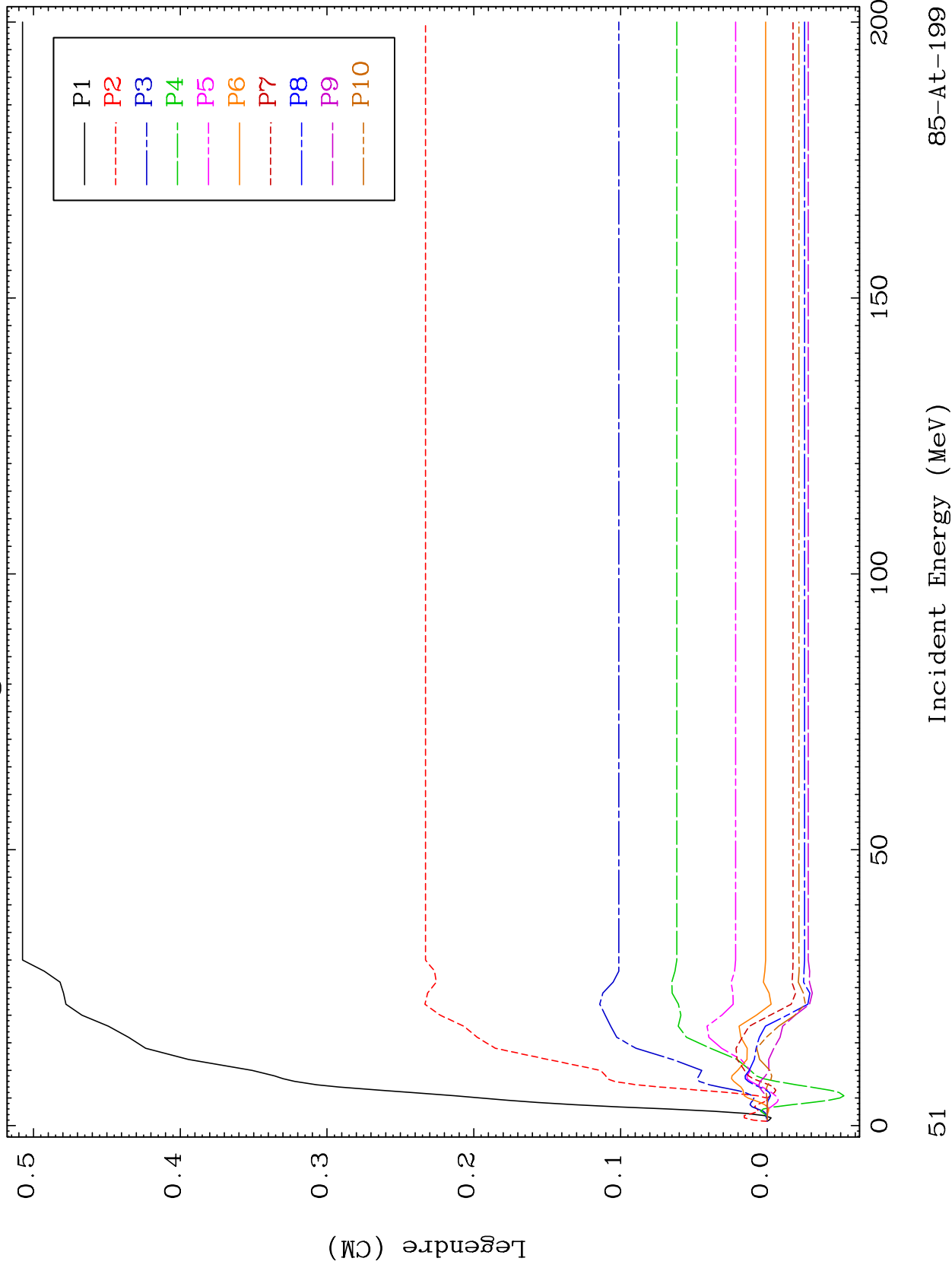


85-At-199

MAT 8513

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

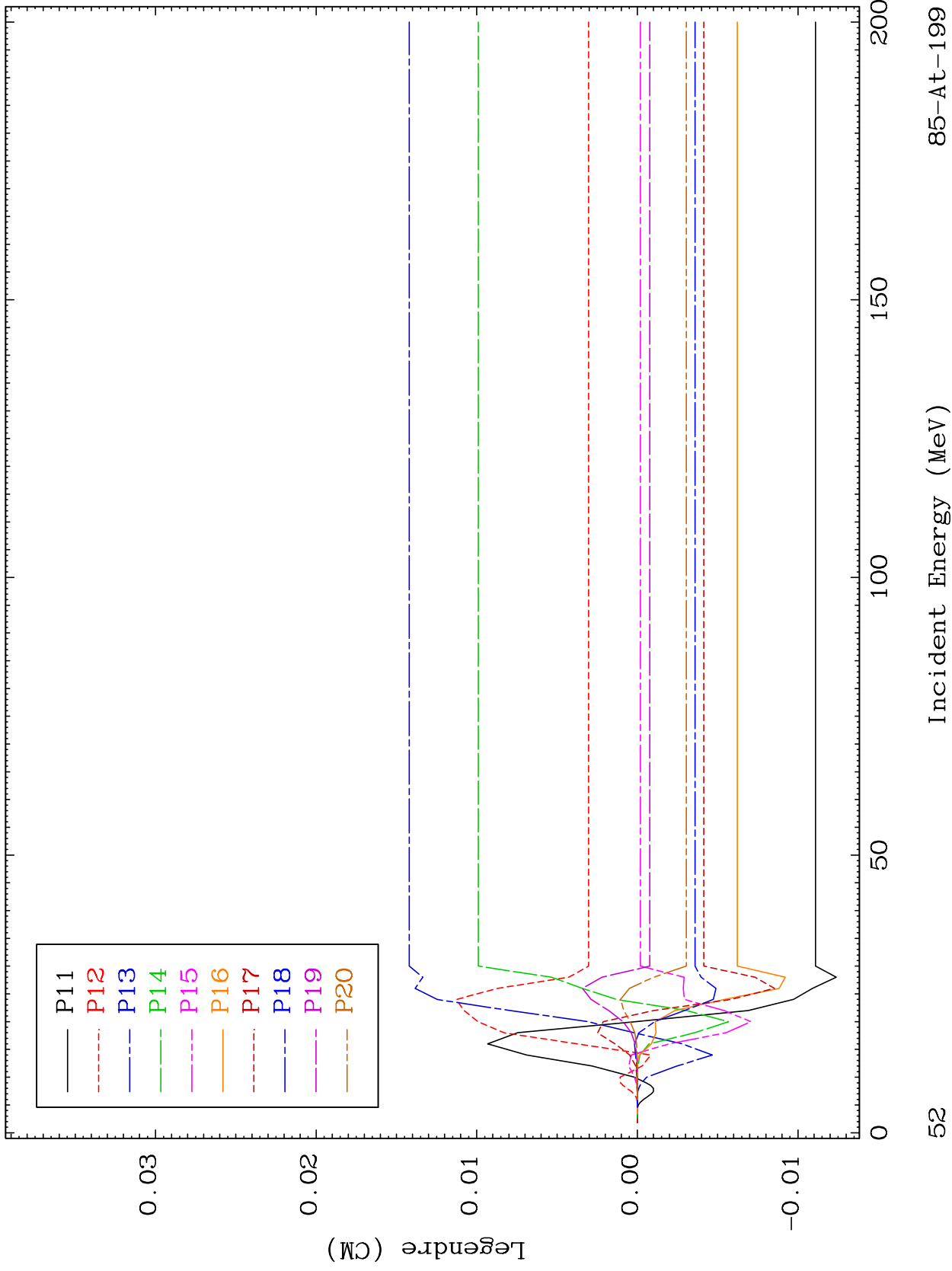
85-At-199



MAT 8513

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

85-At-199



52

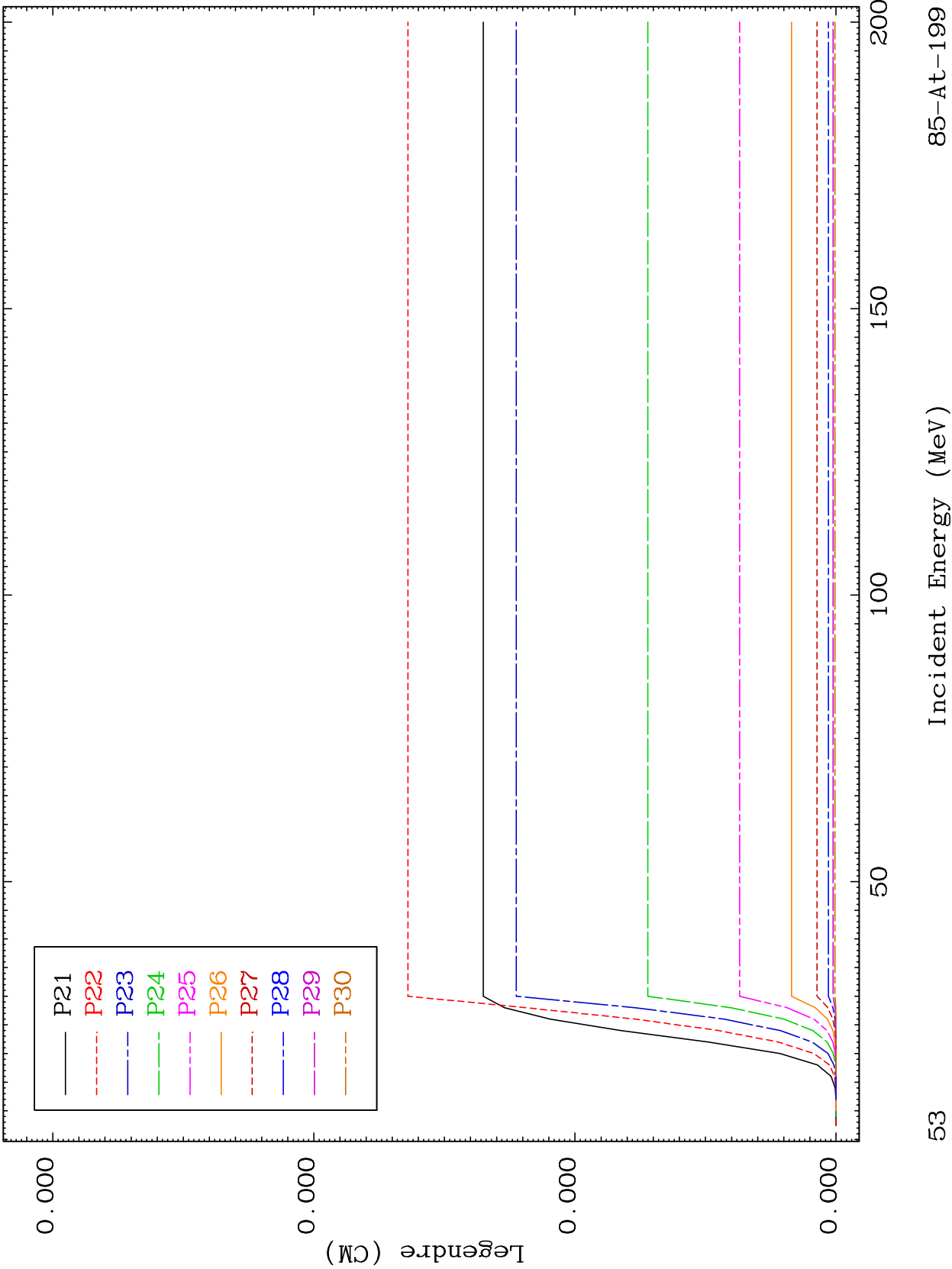
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



53

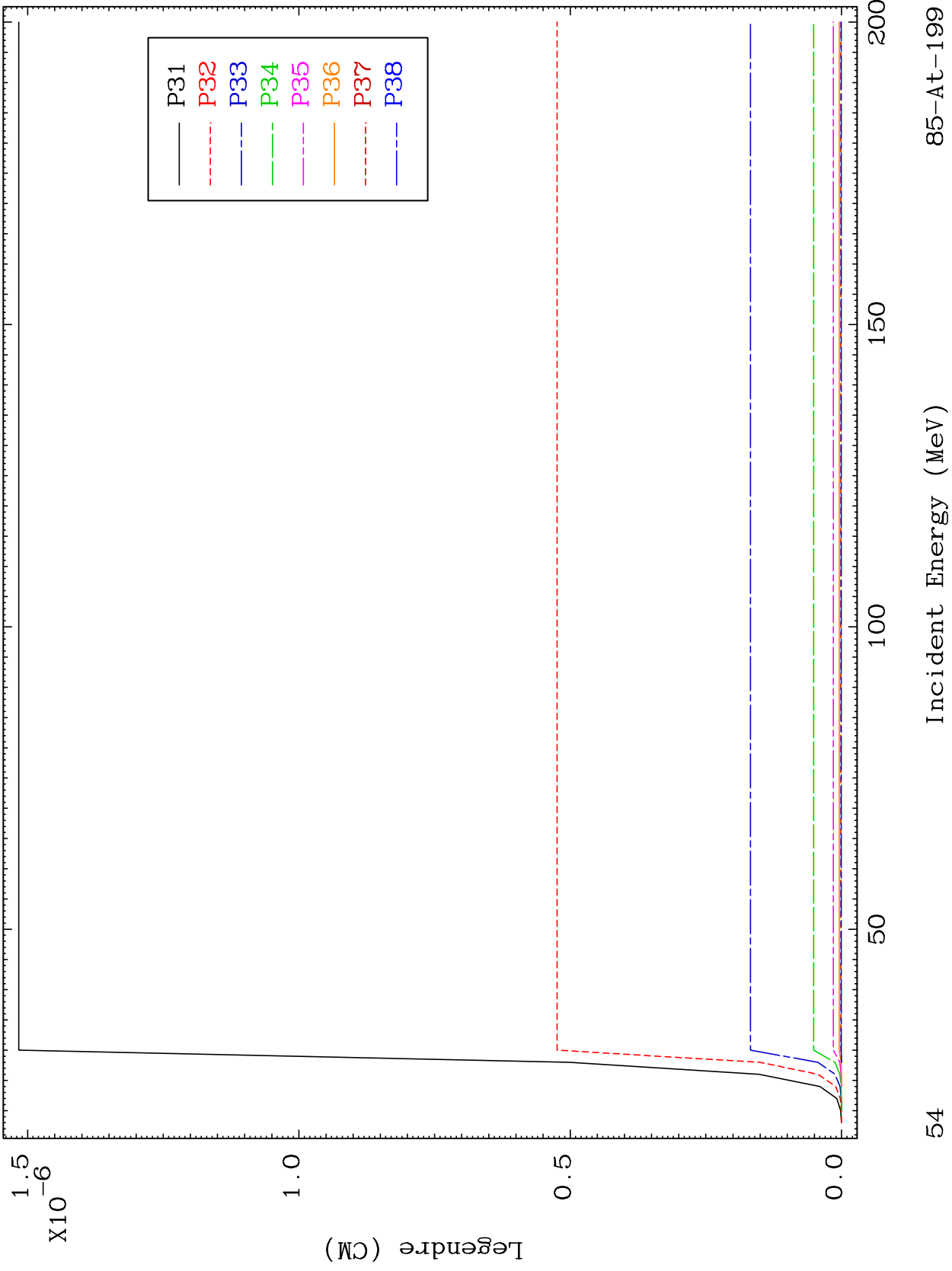
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



54

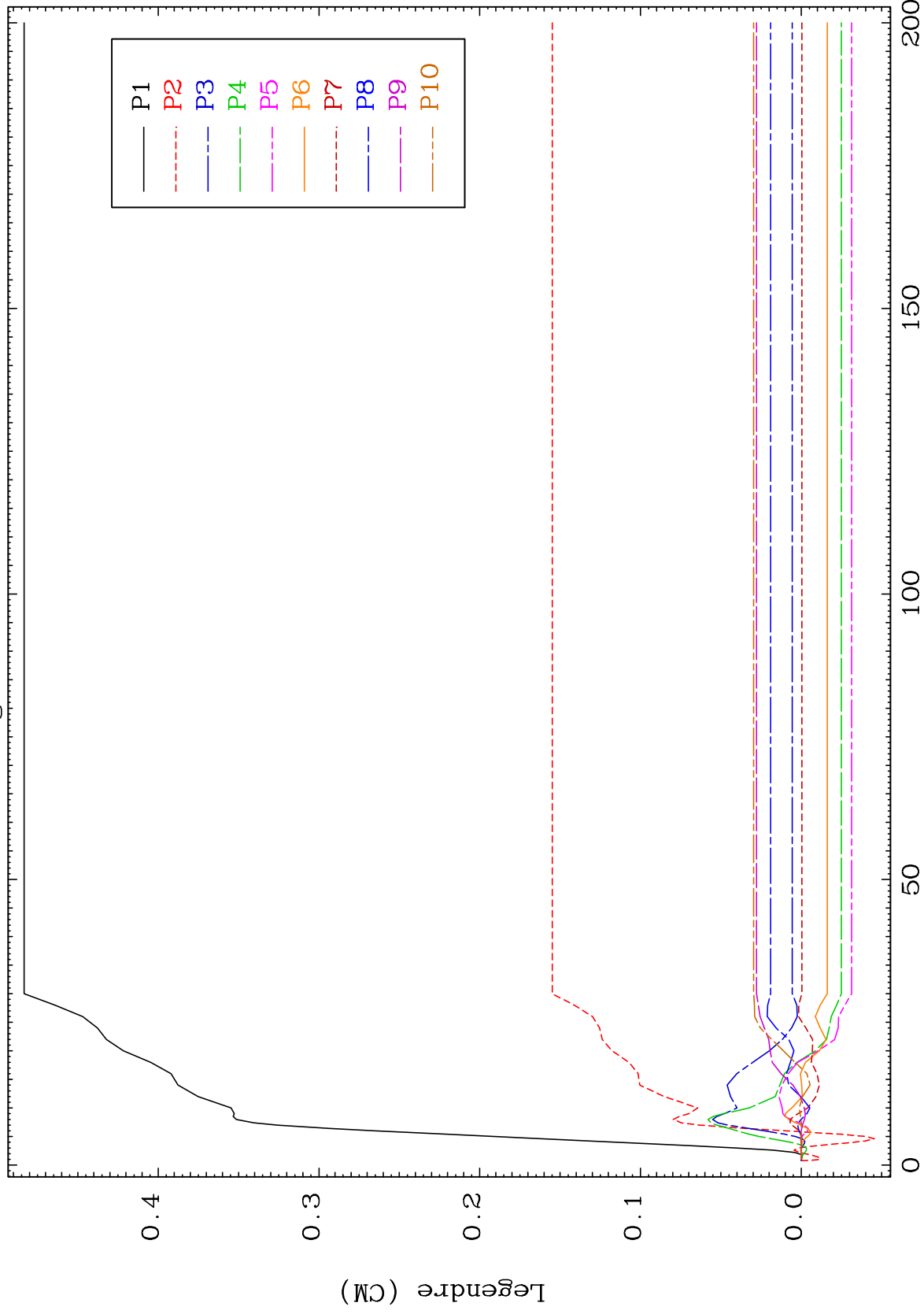
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



85-At-199

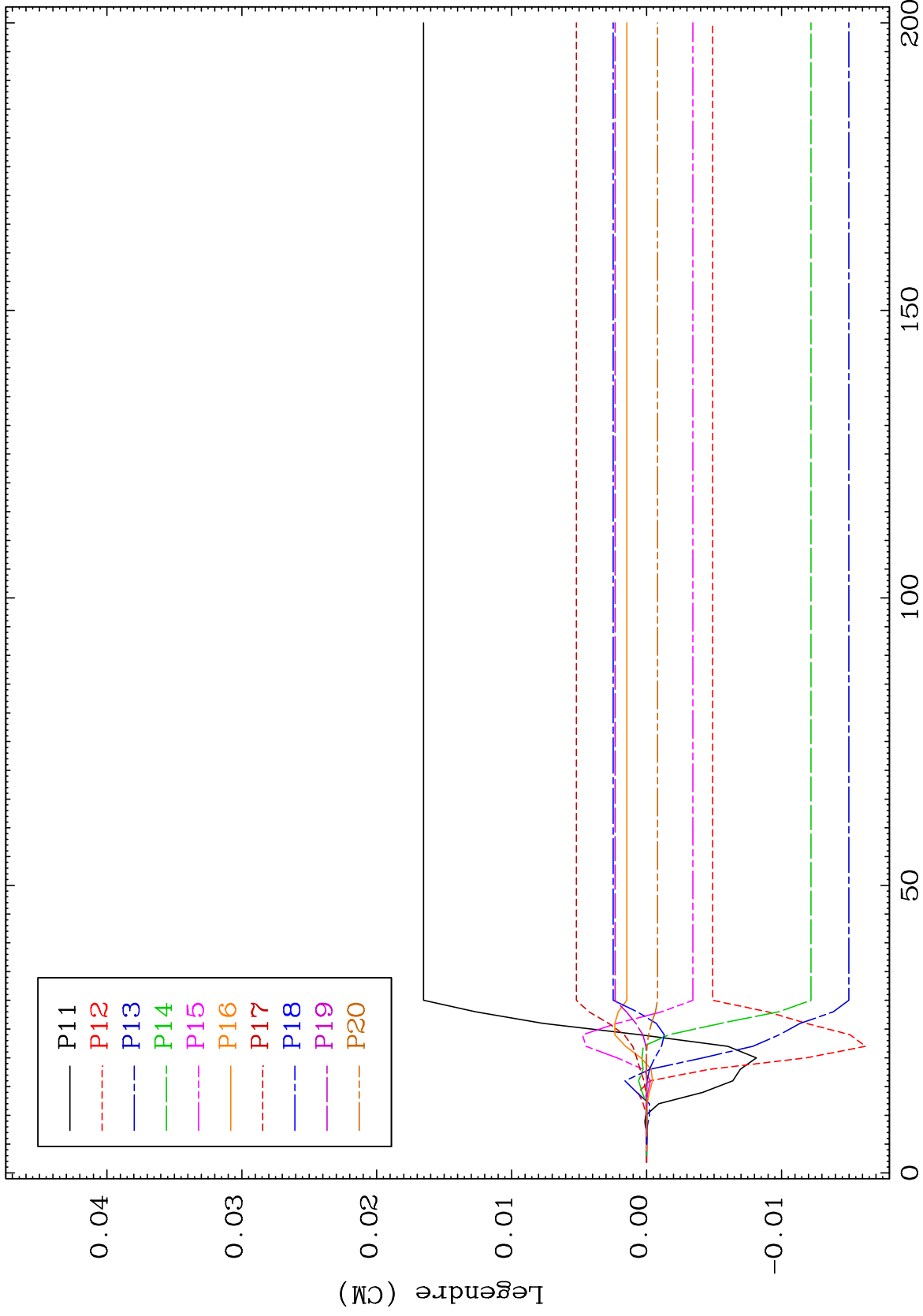
Incident Energy (MeV)

55

MAT 8513

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

85-At-199



56

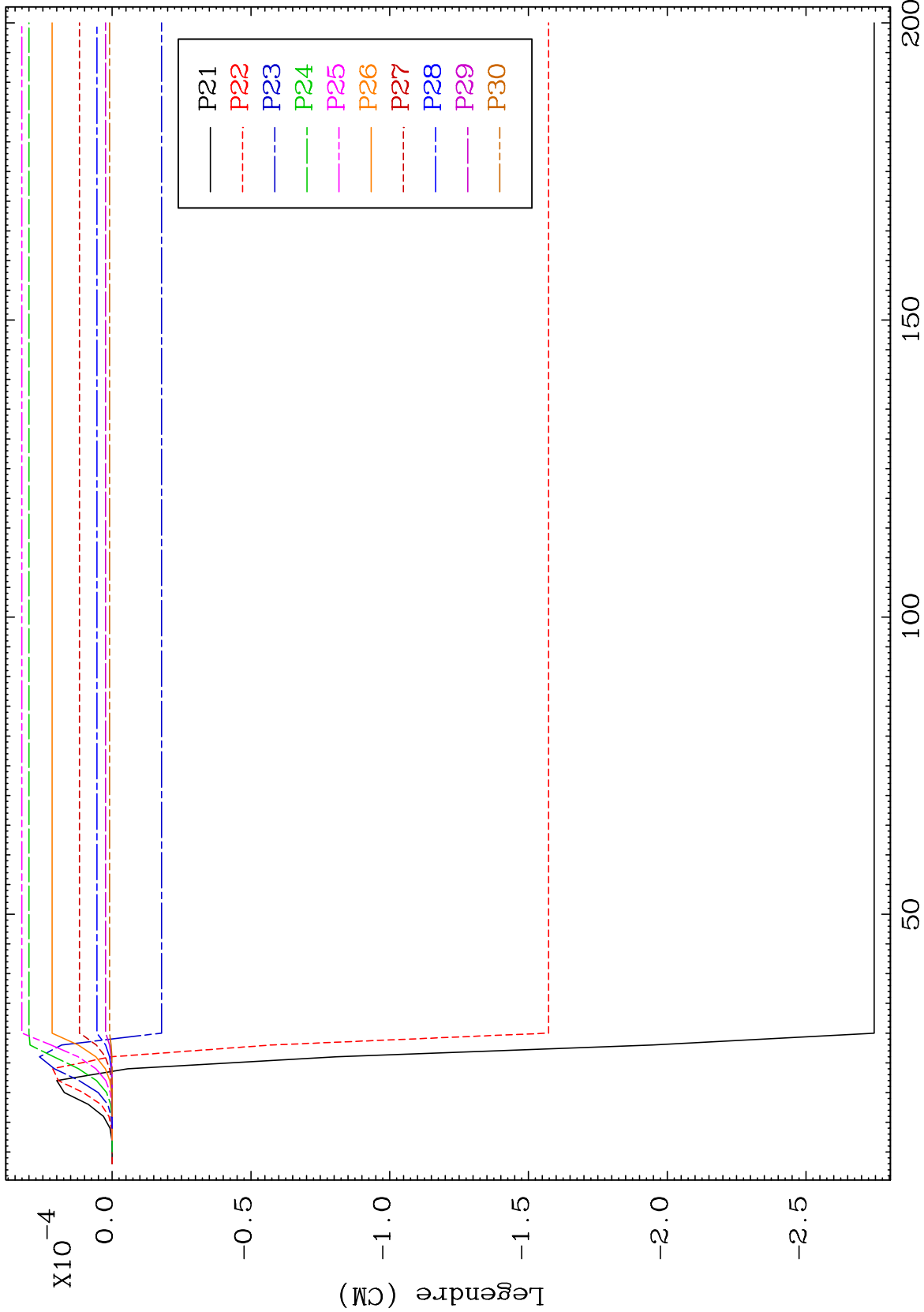
Incident Energy (MeV)

85-At-199

MAT 8513

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

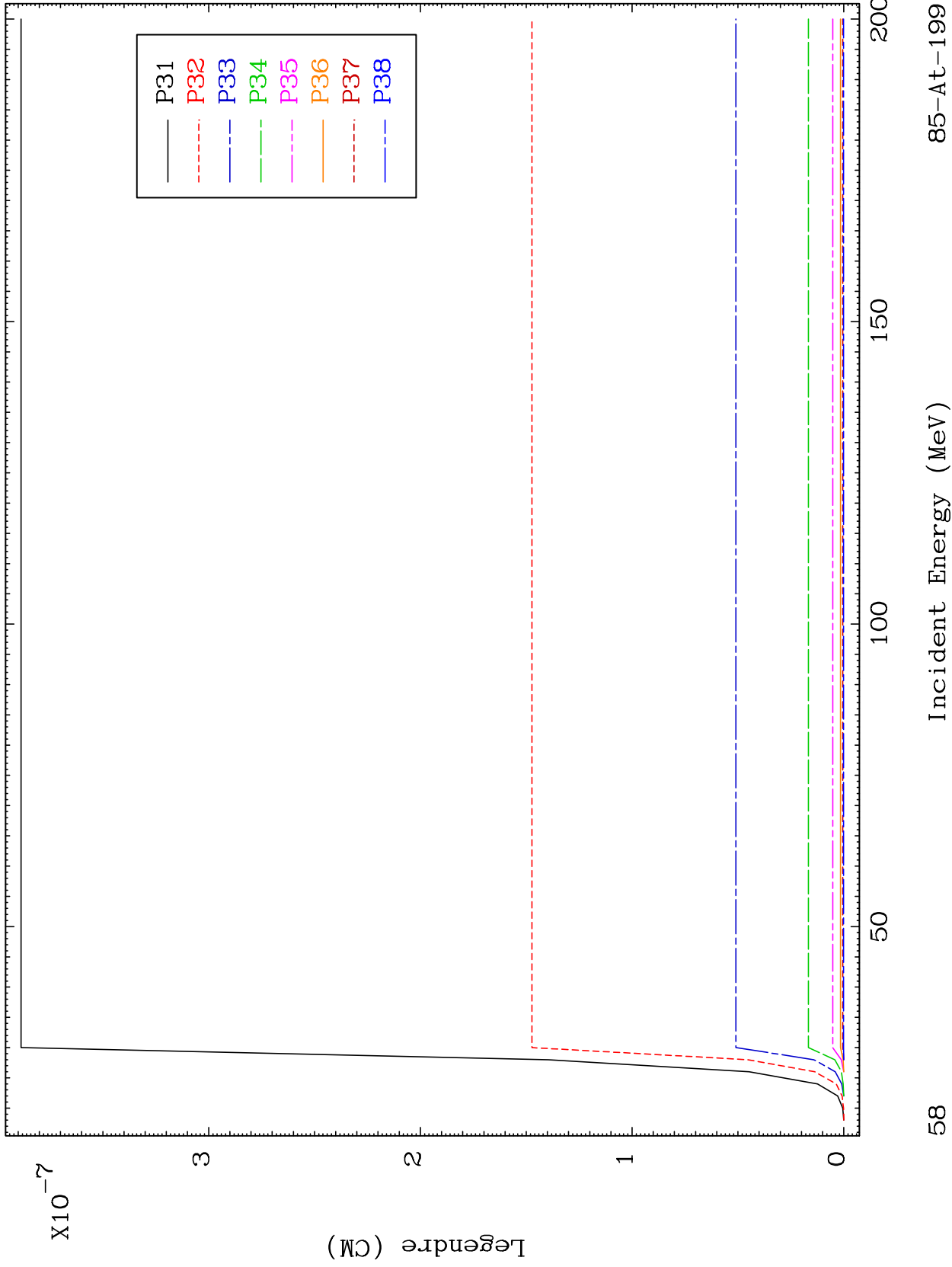
85-At-199



MAT 8513

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

85-At-199



58

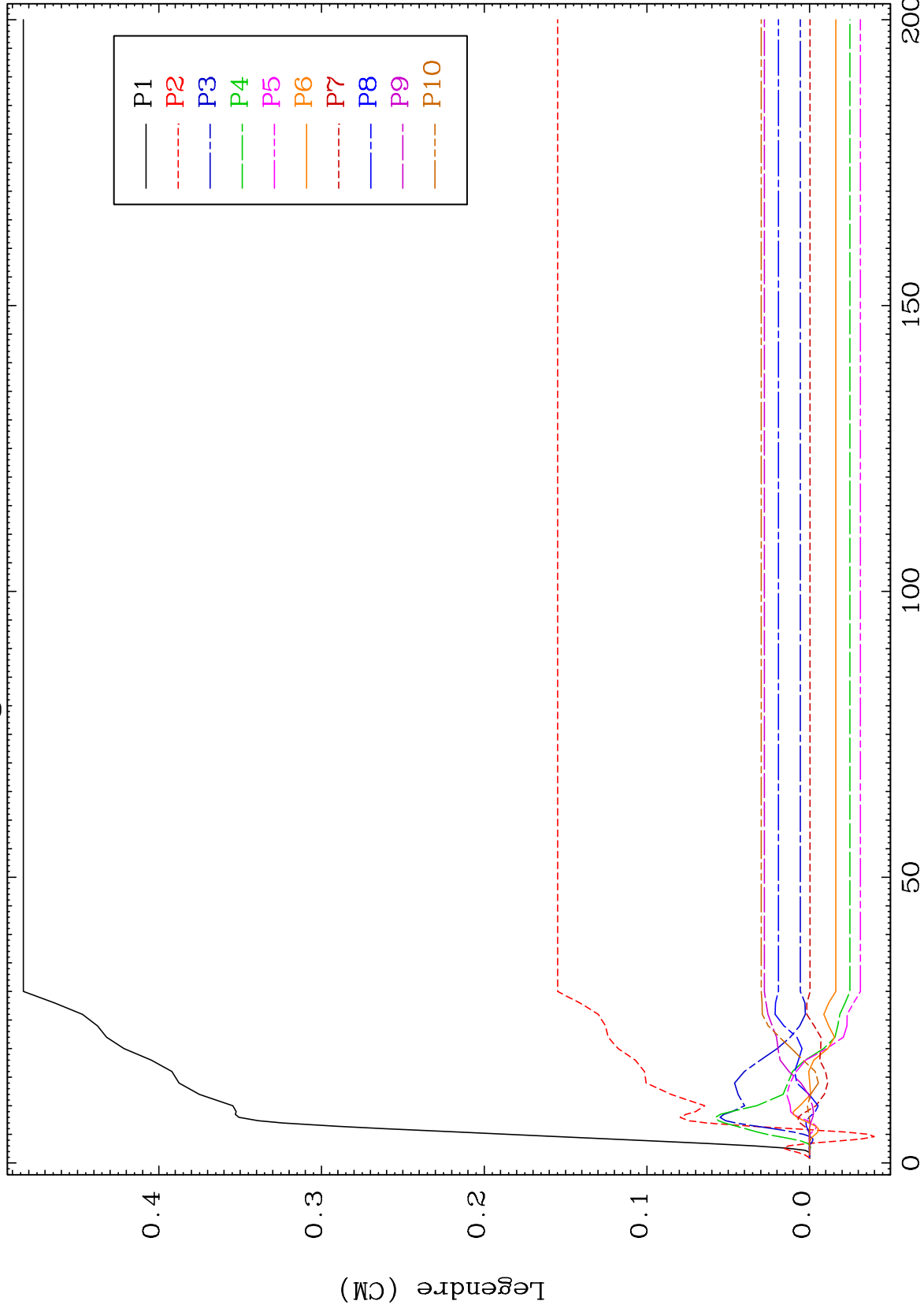
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



85-At-199

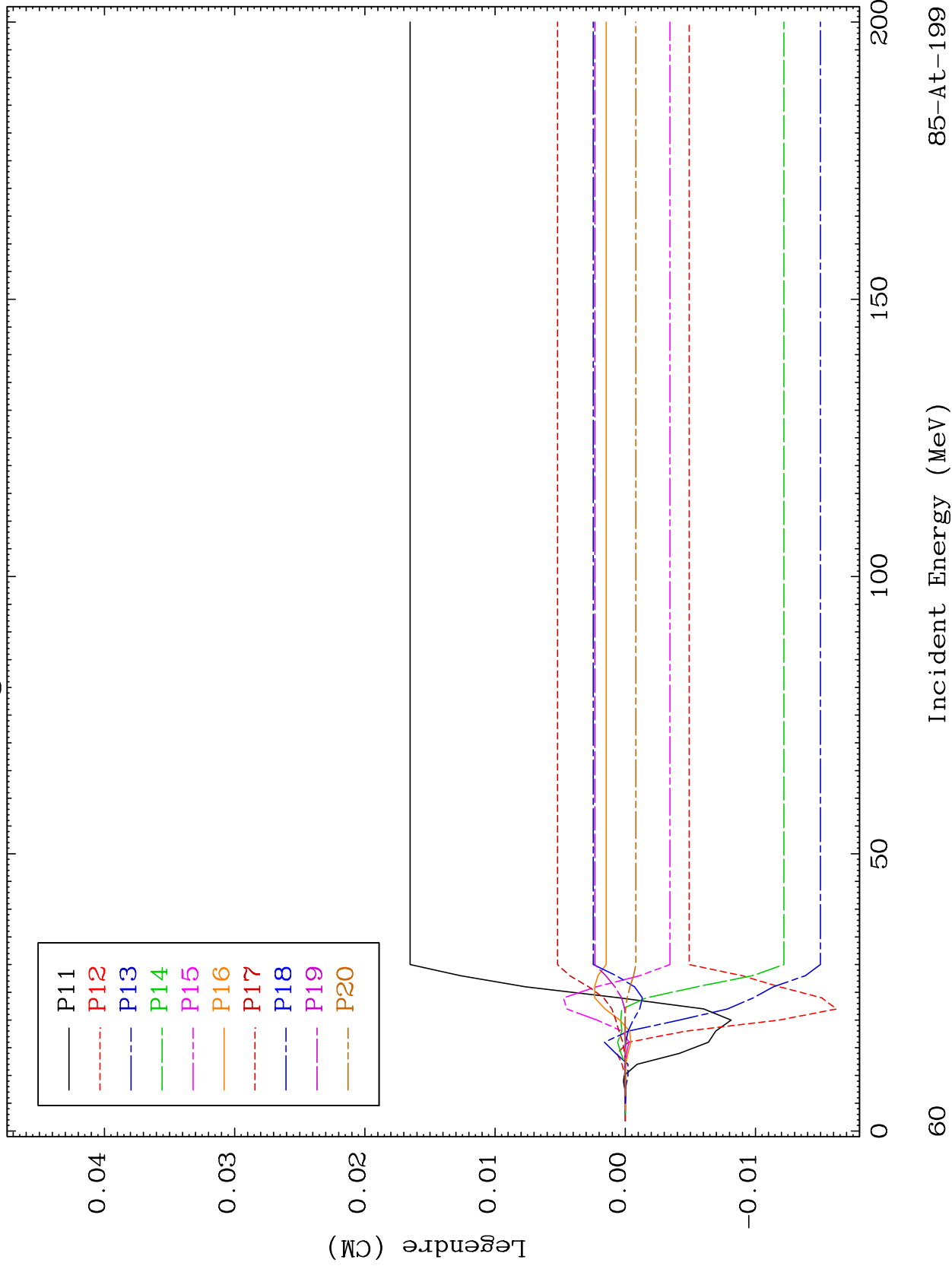
Incident Energy (MeV)

59

MAT 8513

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

85-At-199



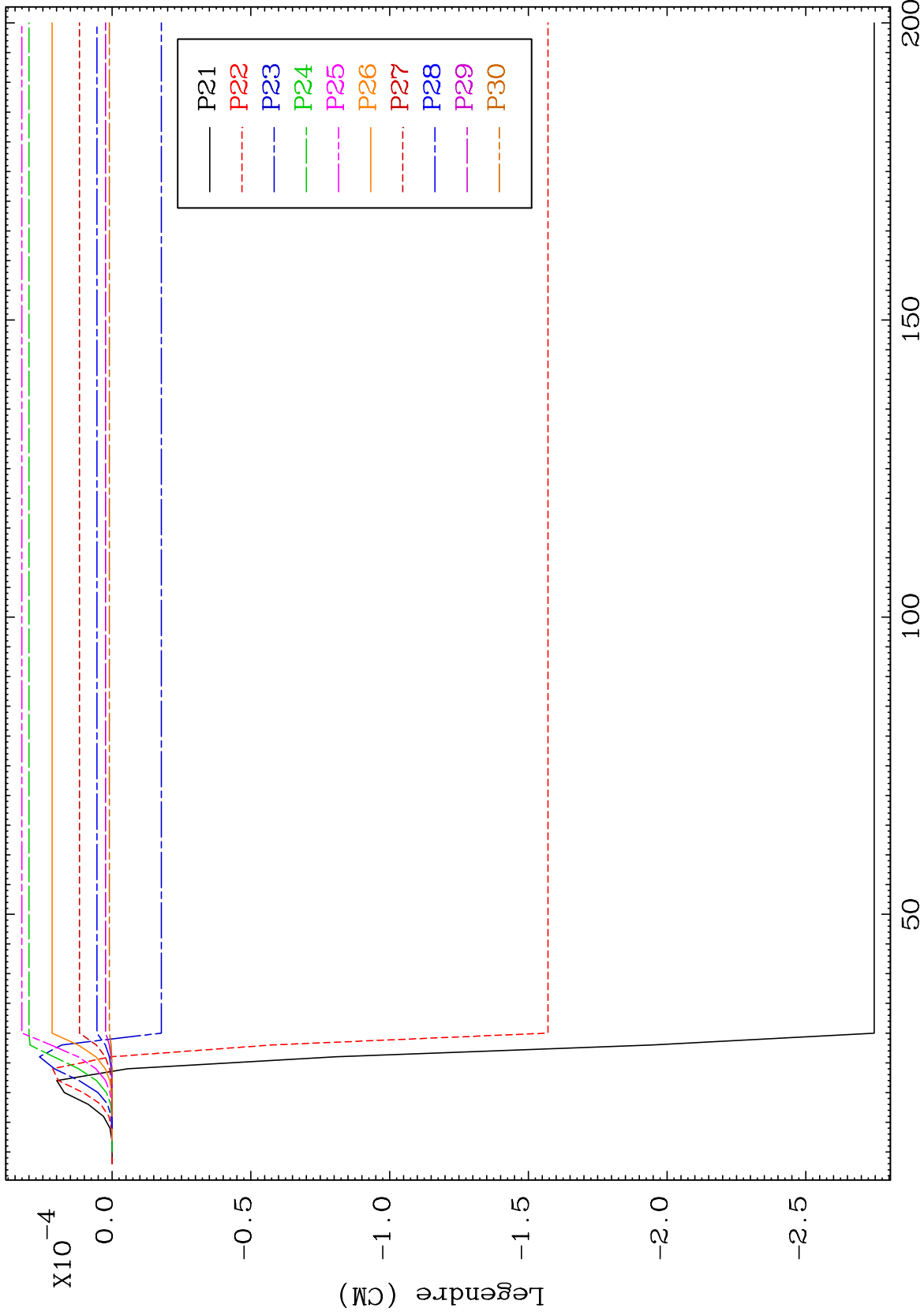
85-At-199

MAT 8513

MT= 61 (n,n') Level

85-At-199

Legendre Coefficients



61

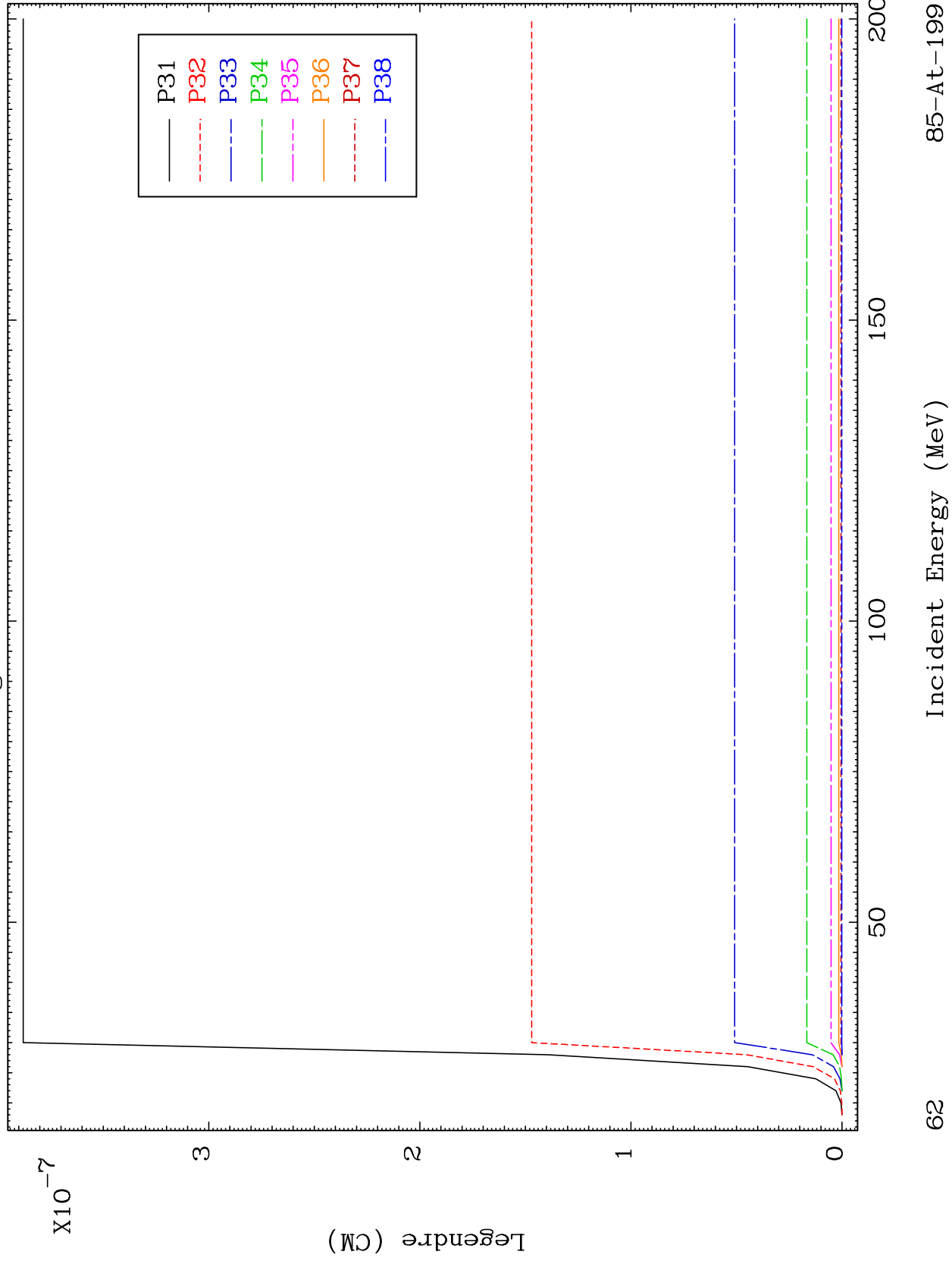
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



62

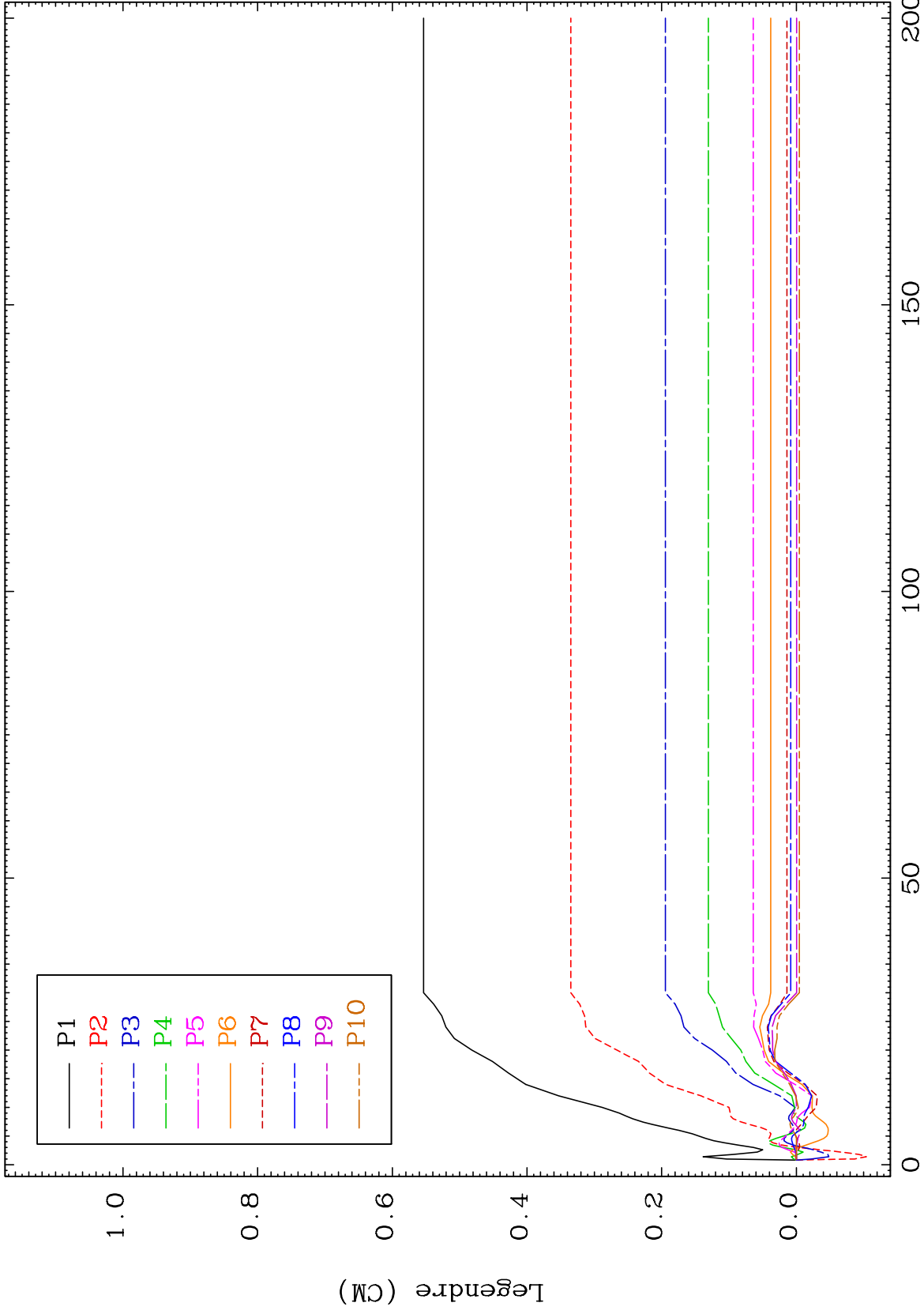
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



63

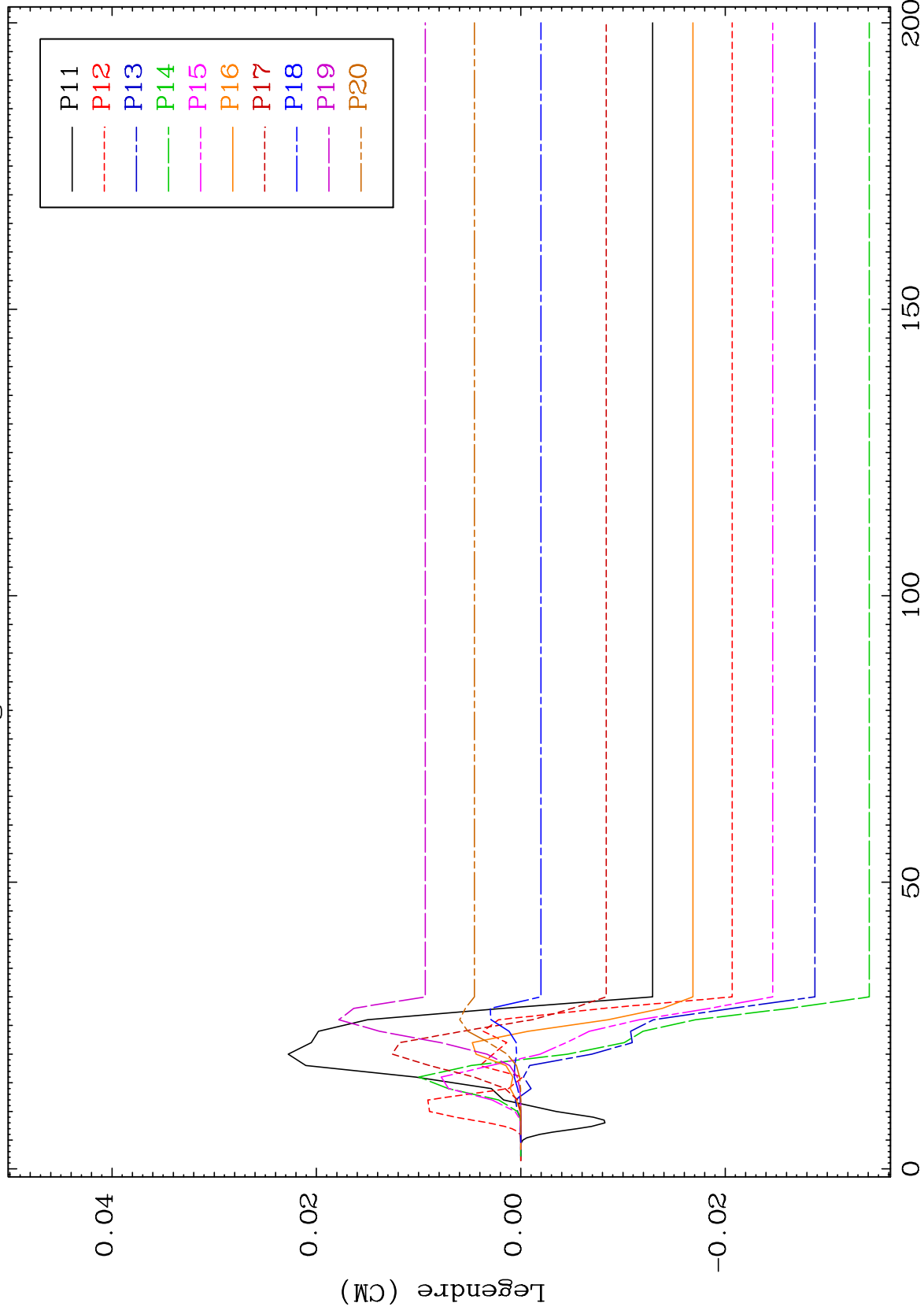
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



64

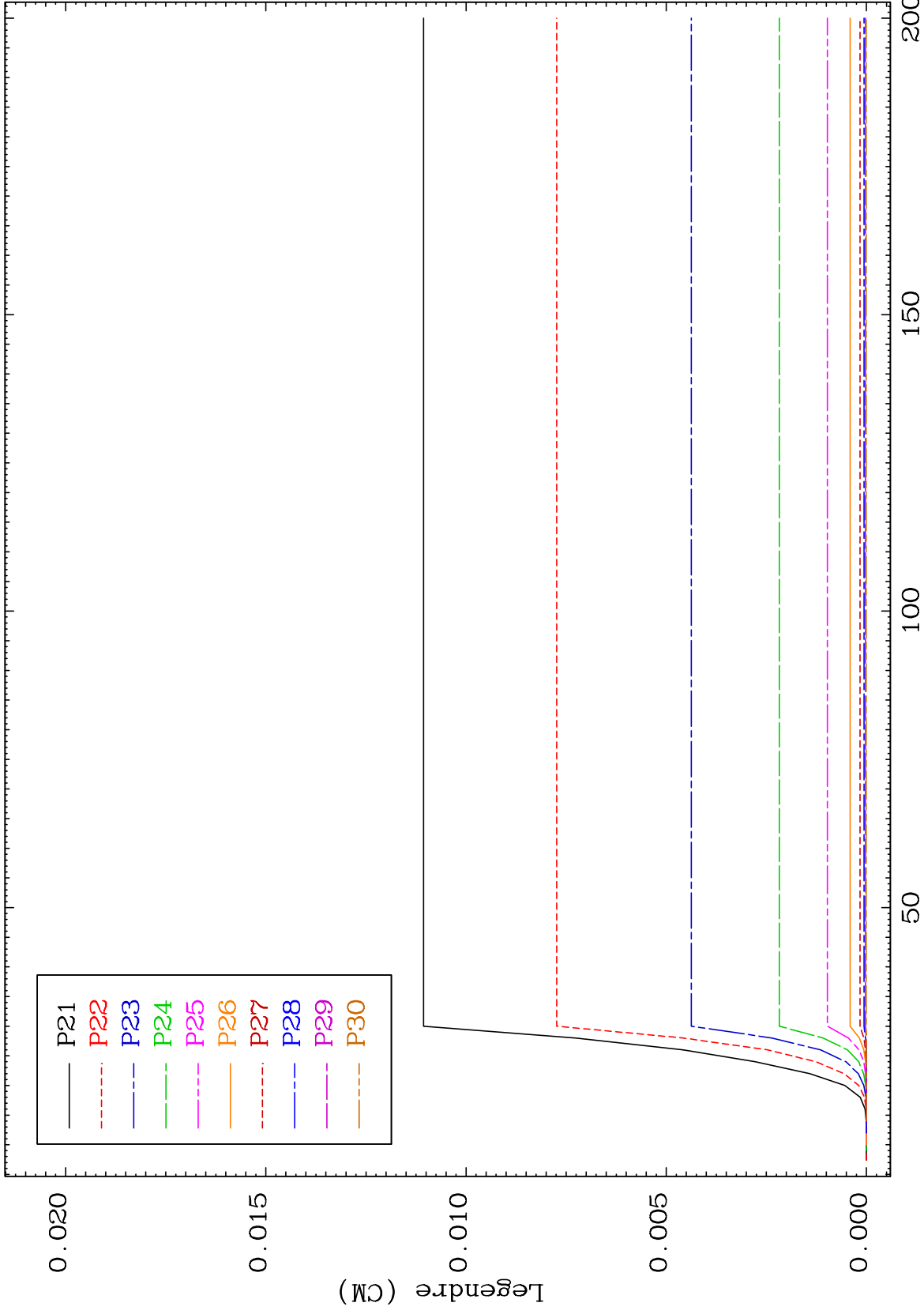
Incident Energy (MeV)

85-At-199

MAT 8513

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

85-At-199



65

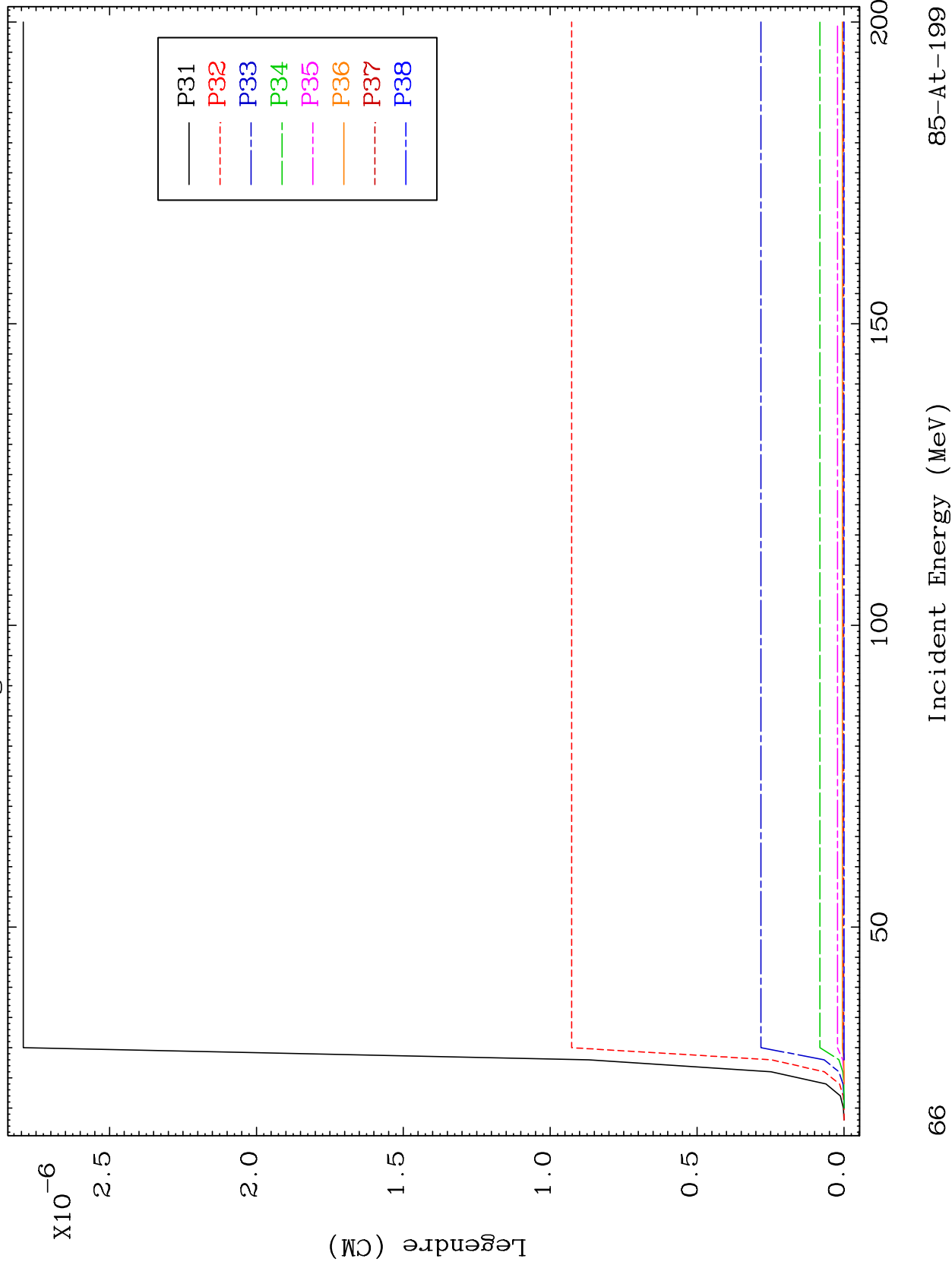
Incident Energy (MeV)

85-At-199

MAT 8513

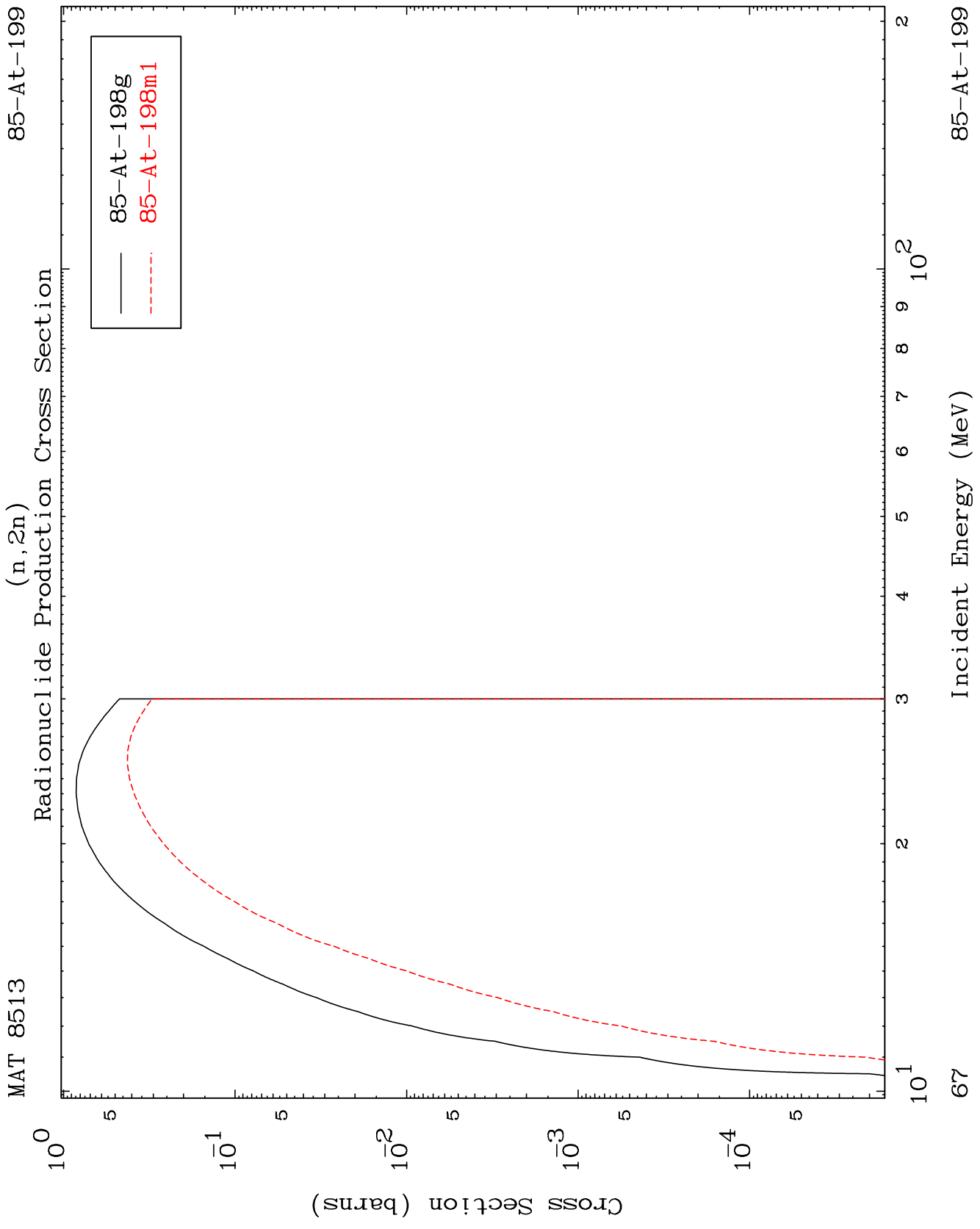
MT= 62 (n,n') Level
Legendre Coefficients

85-At-199



66

85-At-199

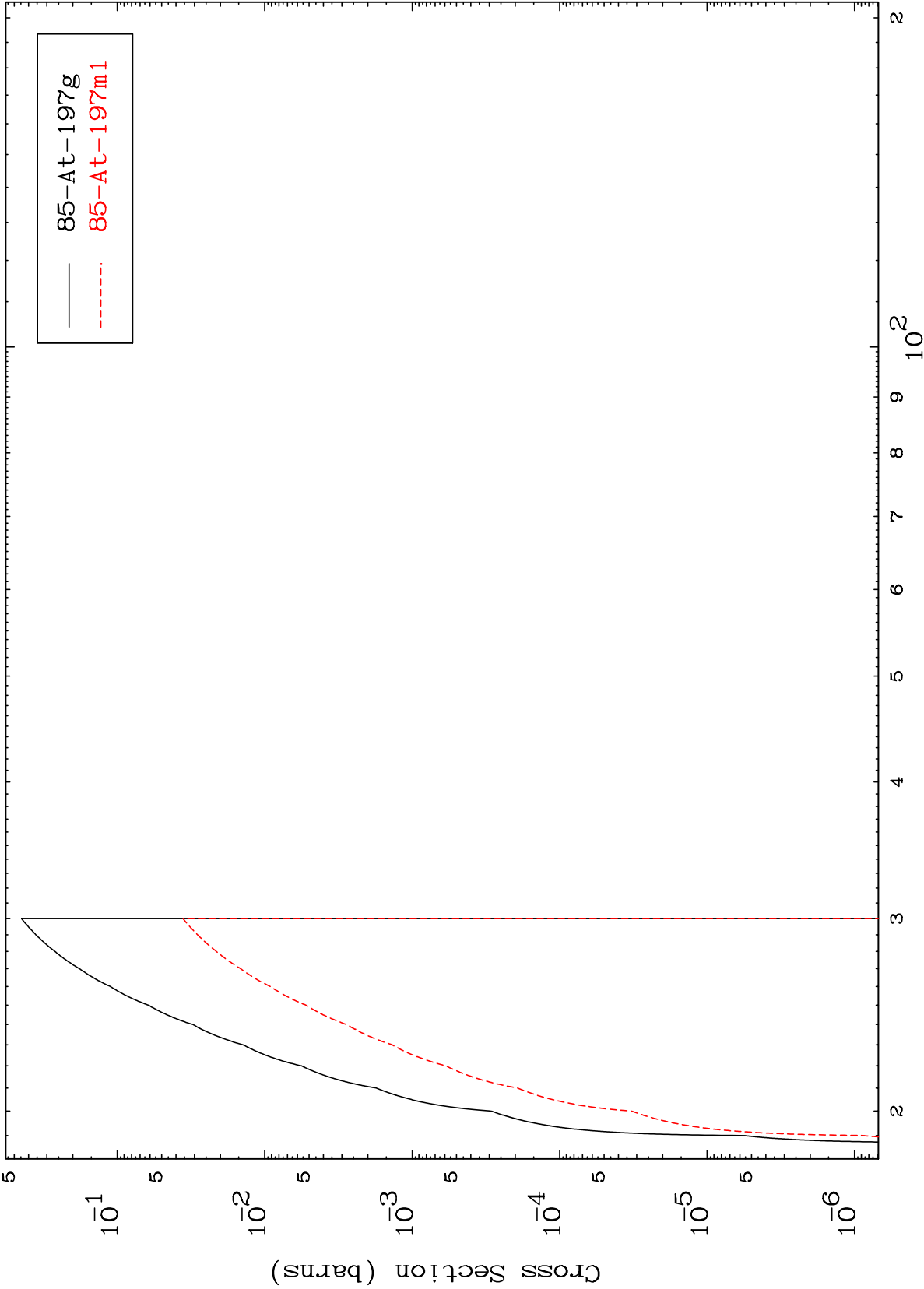


MAT 8513

(n,3n)

85-At-199

Radionuclide Production Cross Section



68

Incident Energy (MeV)

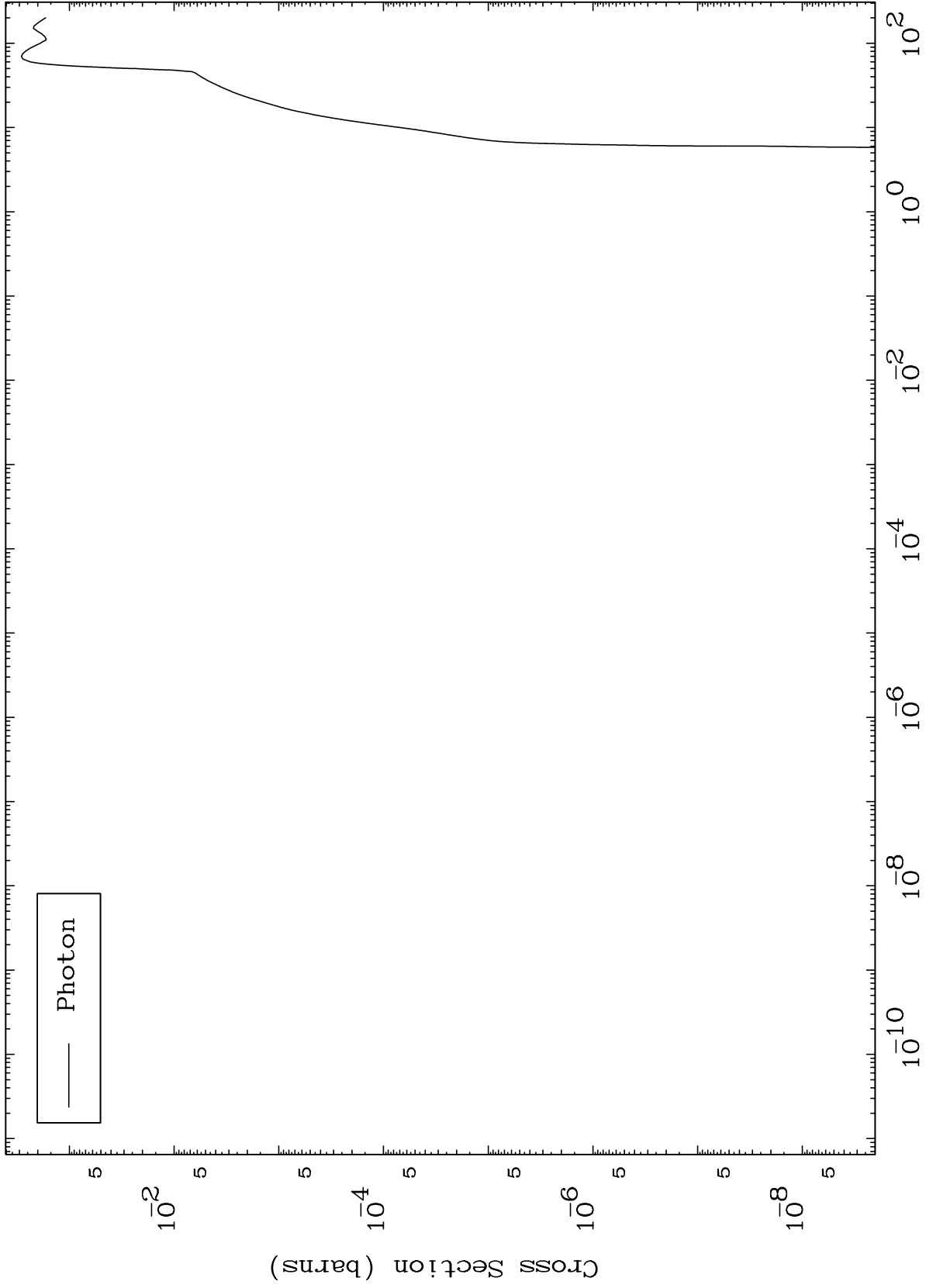
85-At-199

MAT 8513

Fission

85-At-199

Radionuclide Production Cross Section



69

Incident Energy (MeV)

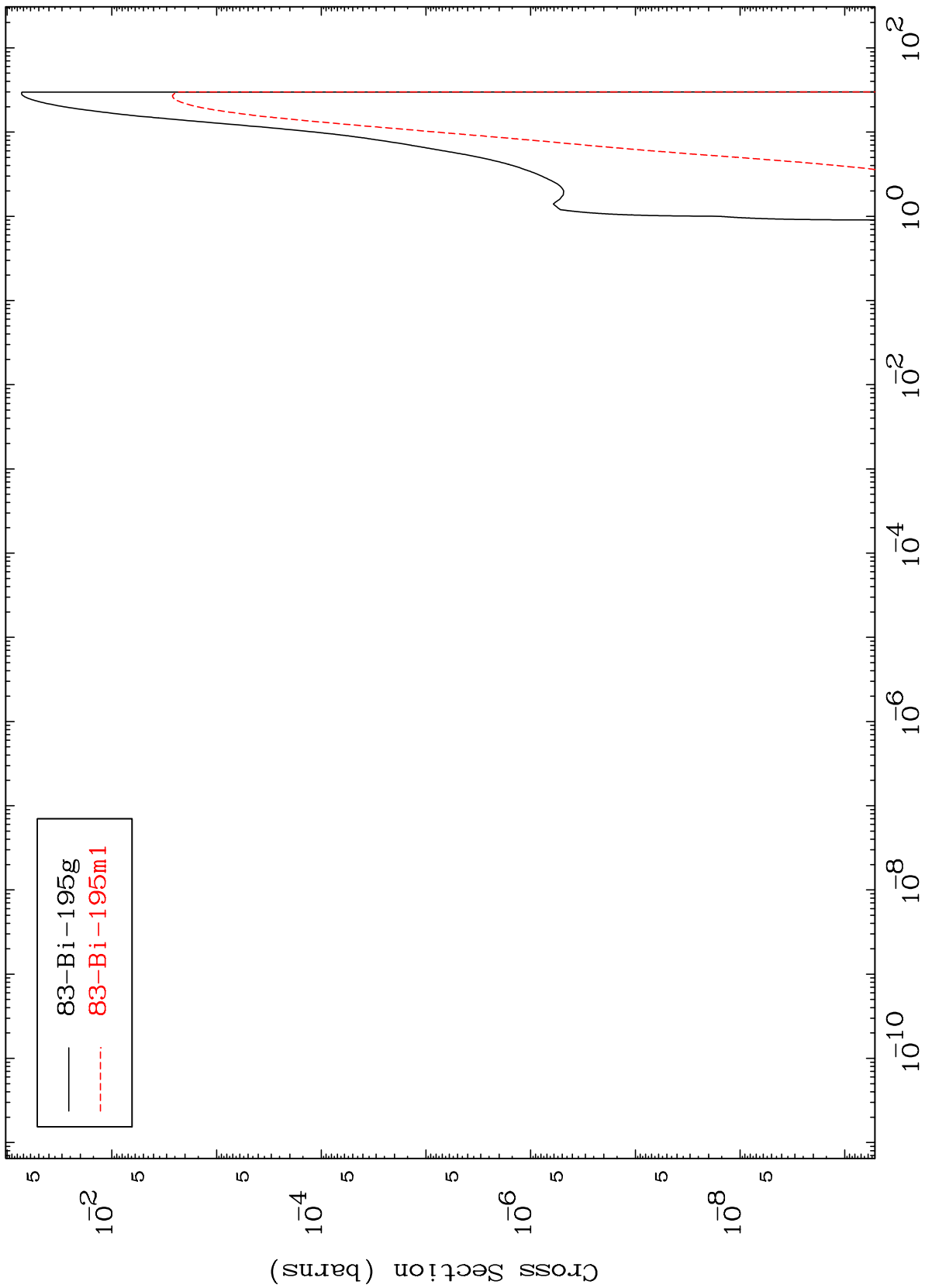
85-At-199

MAT 8513

$(n, n') \alpha$

85-At-199

Radionuclide Production Cross Section



— 83-Bi-195g
- - - 83-Bi-195m1

70

Incident Energy (MeV)

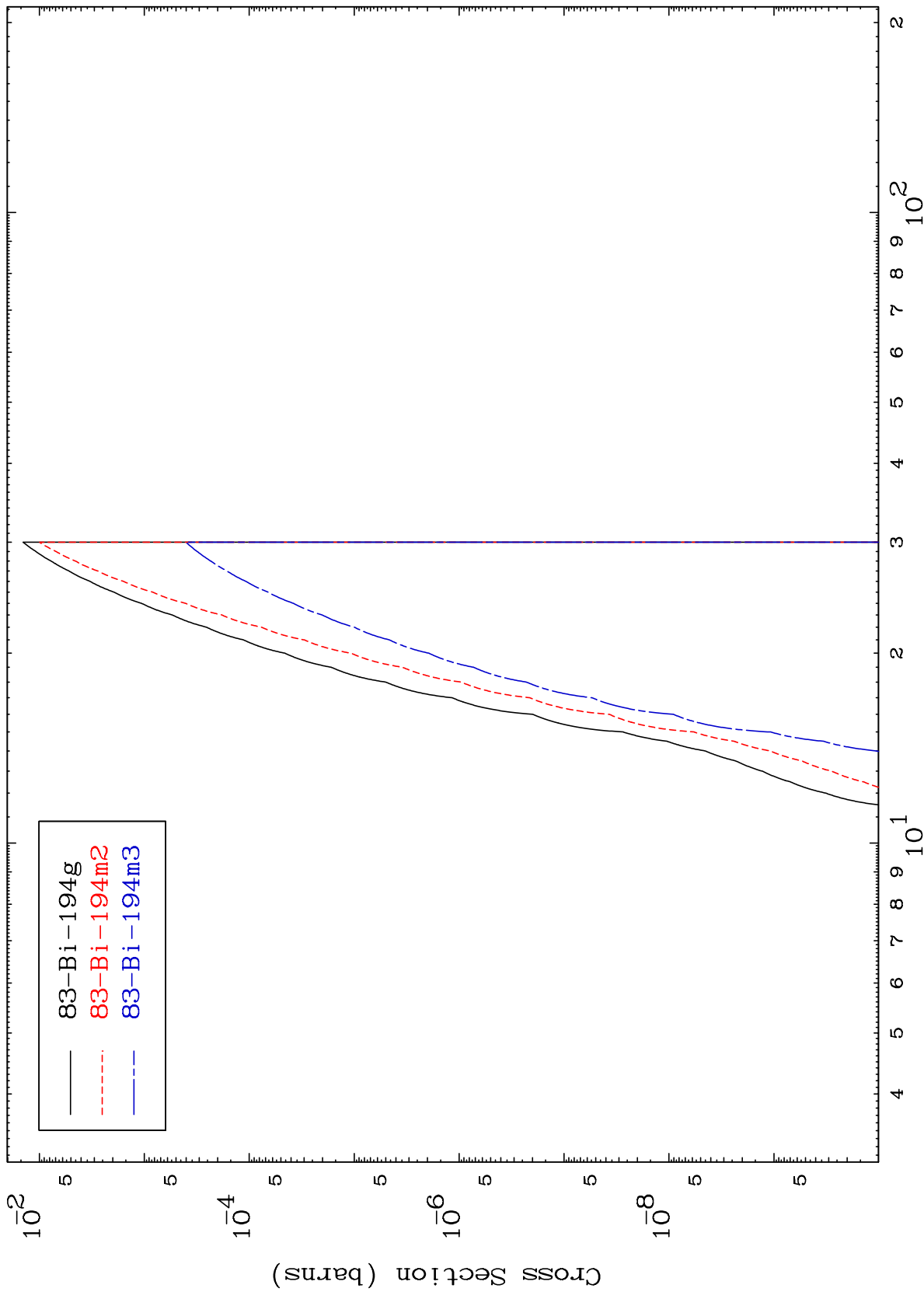
85-At-199

MAT 8513

(n,2n) α

85-At-199

Radionuclide Production Cross Section



71

Incident Energy (MeV)

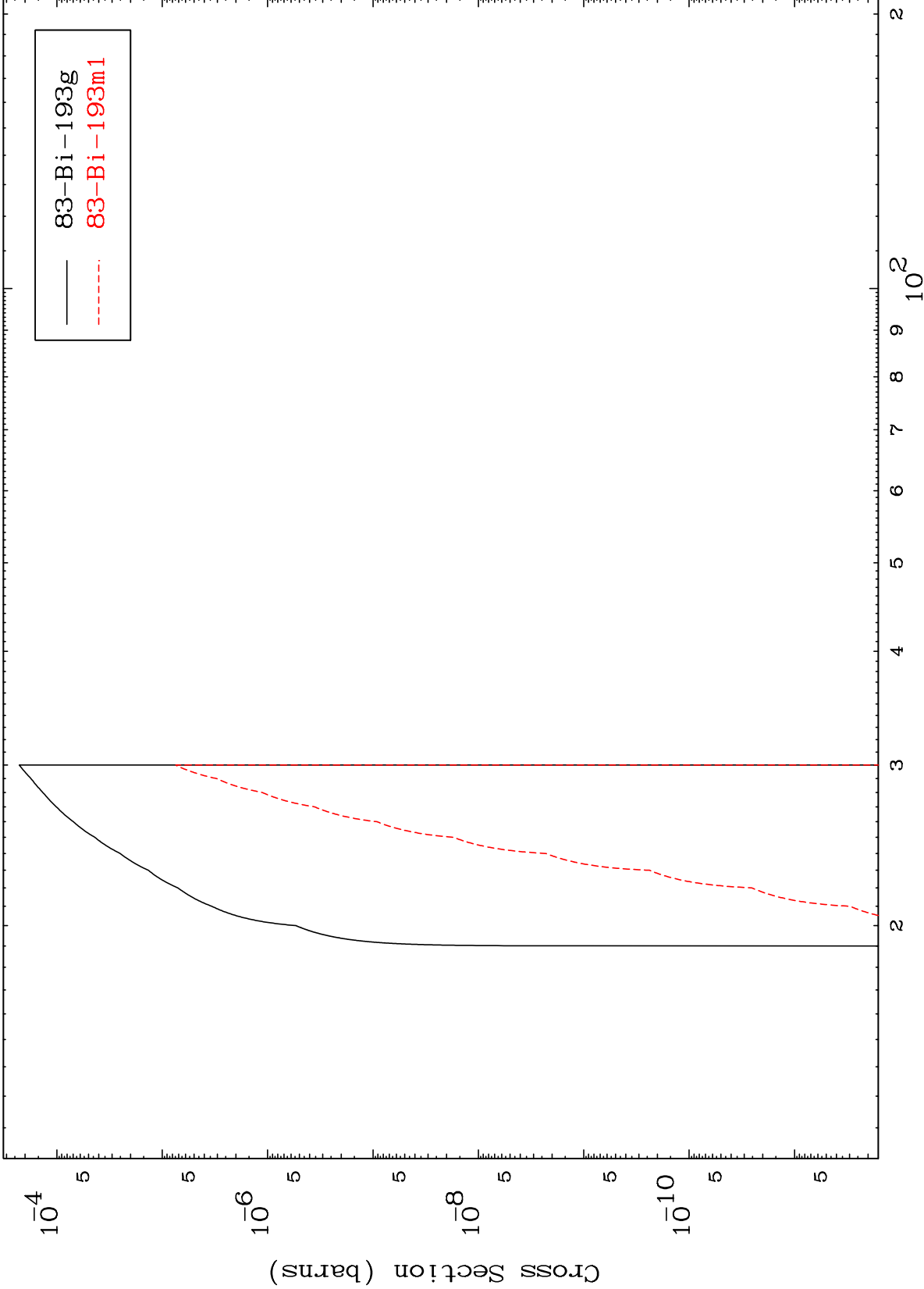
85-At-199

MAT 8513

(n,3n) α

85-At-199

Radionuclide Production Cross Section



72

Incident Energy (MeV)

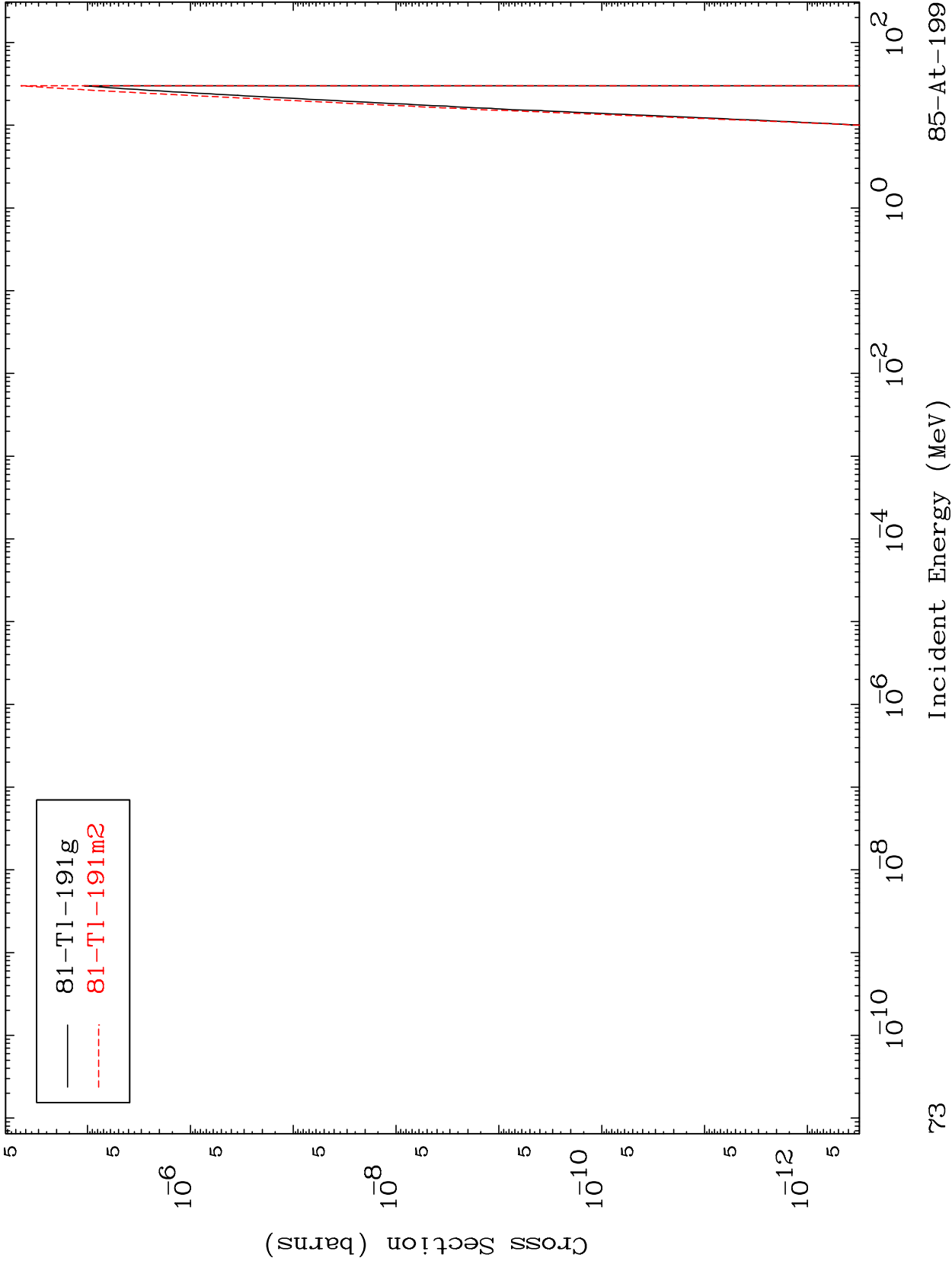
85-At-199

MAT 8513

(n,n') 2α

85-At-199

Radionuclide Production Cross Section



73

Incident Energy (MeV)

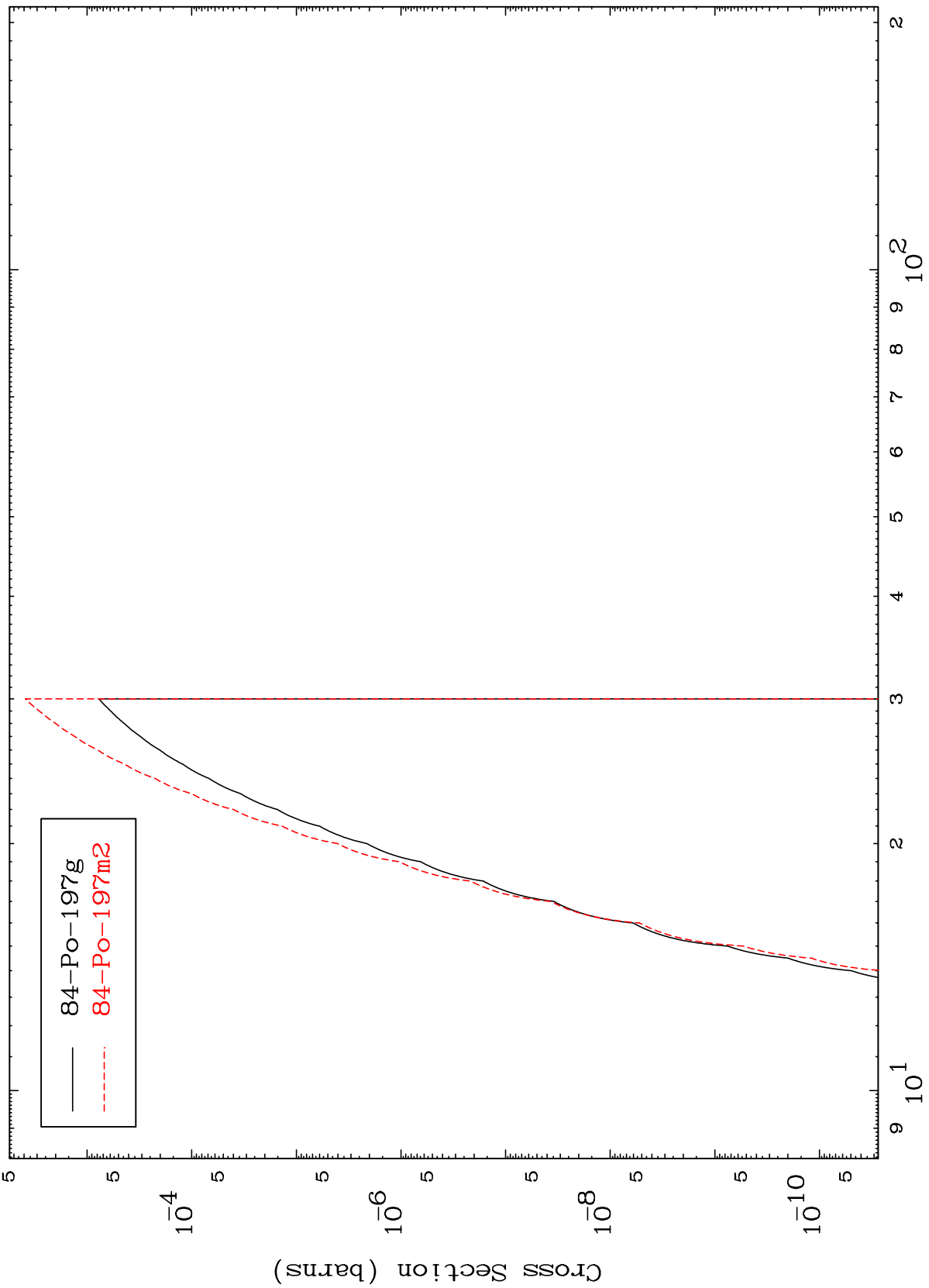
85-At-199

MAT 8513

(n,n') d

85-At-199

Radionuclide Production Cross Section



84-Po-197g
84-Po-197m2

74

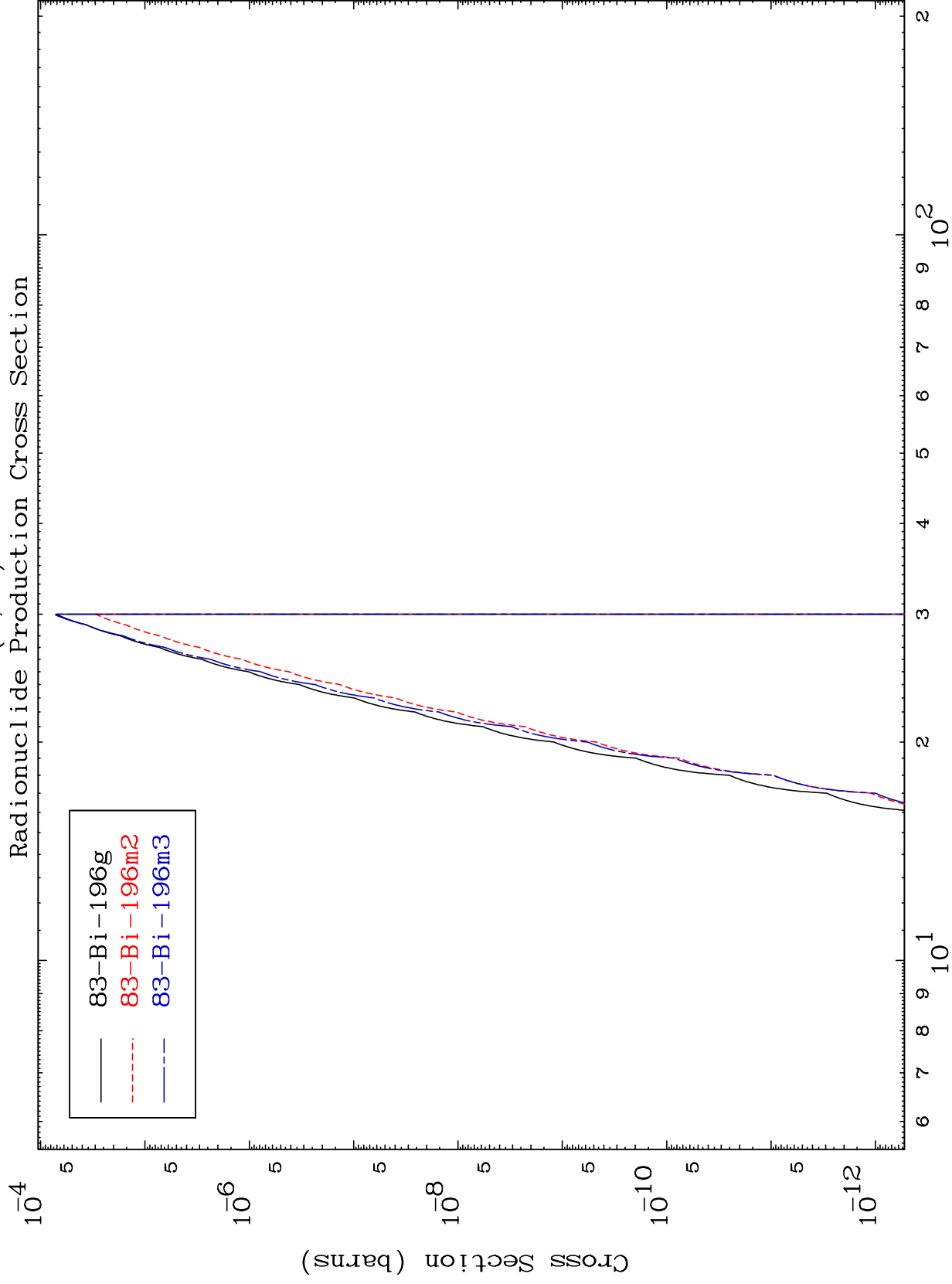
Incident Energy (MeV)

85-At-199

MAT 8513

(n,n') He-3

85-At-199

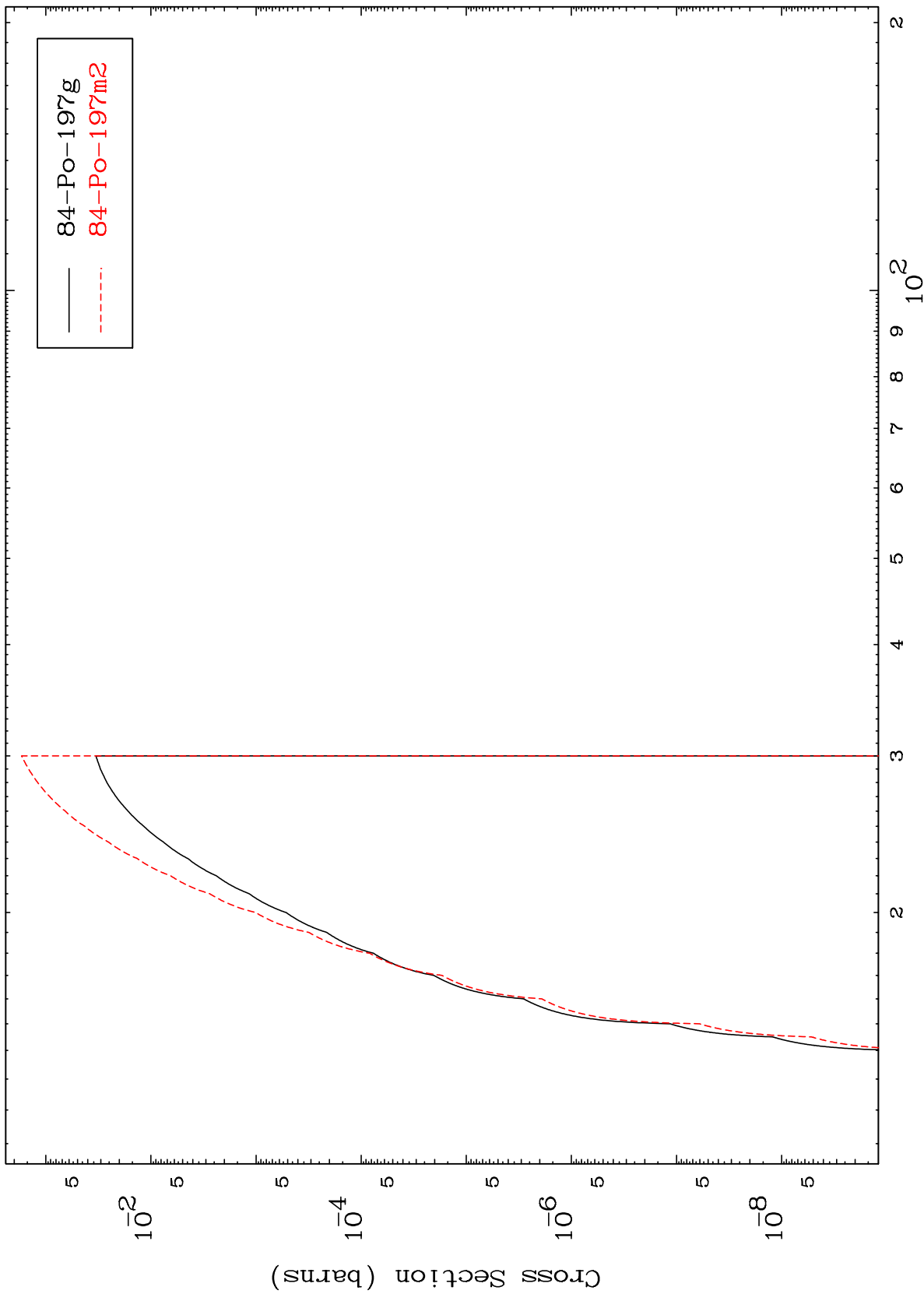


75

Incident Energy (MeV)

85-At-199

Radionuclide Production Cross Section

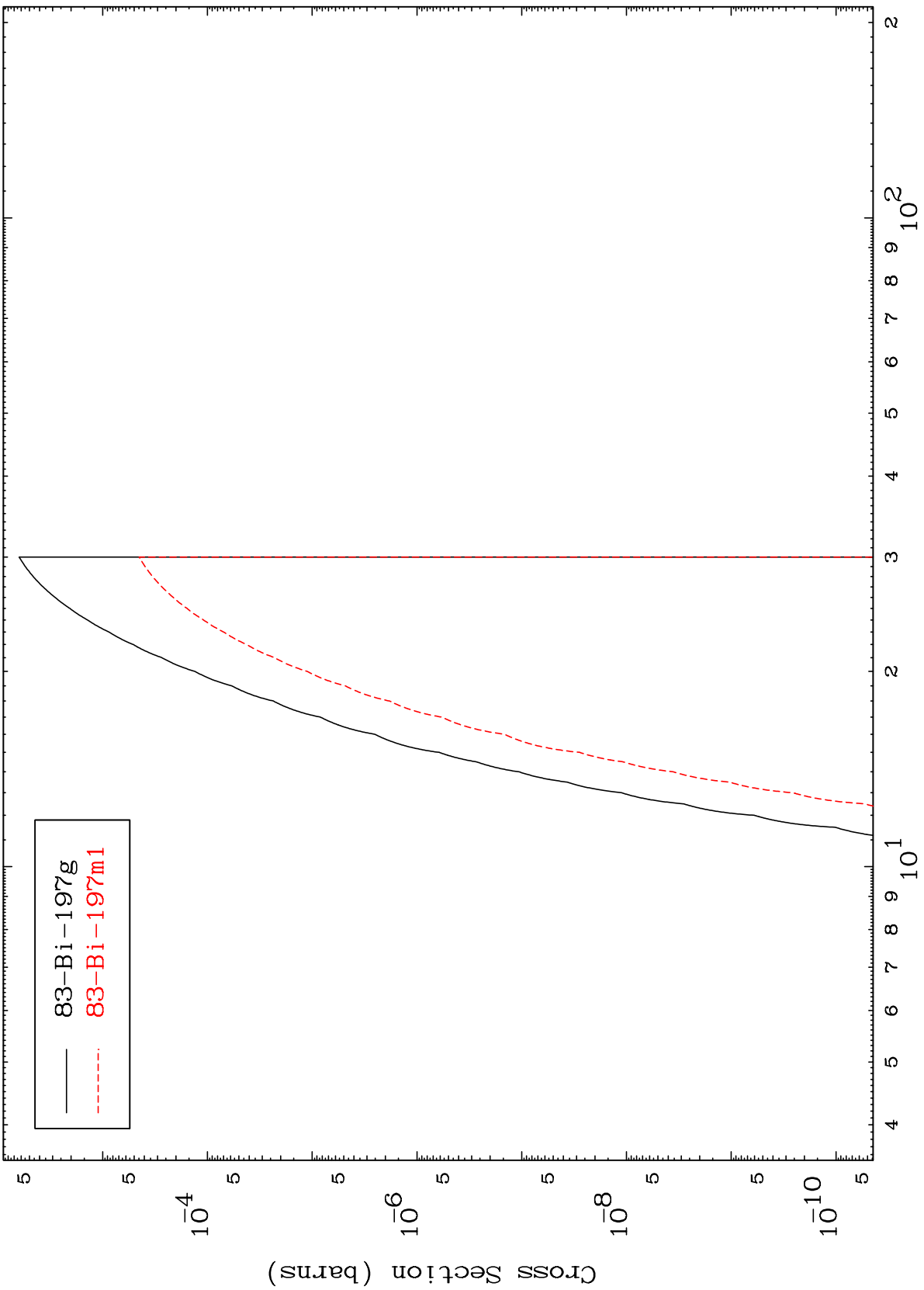


MAT 8513

(n,2n) p

85-At-199

Radionuclide Production Cross Section



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

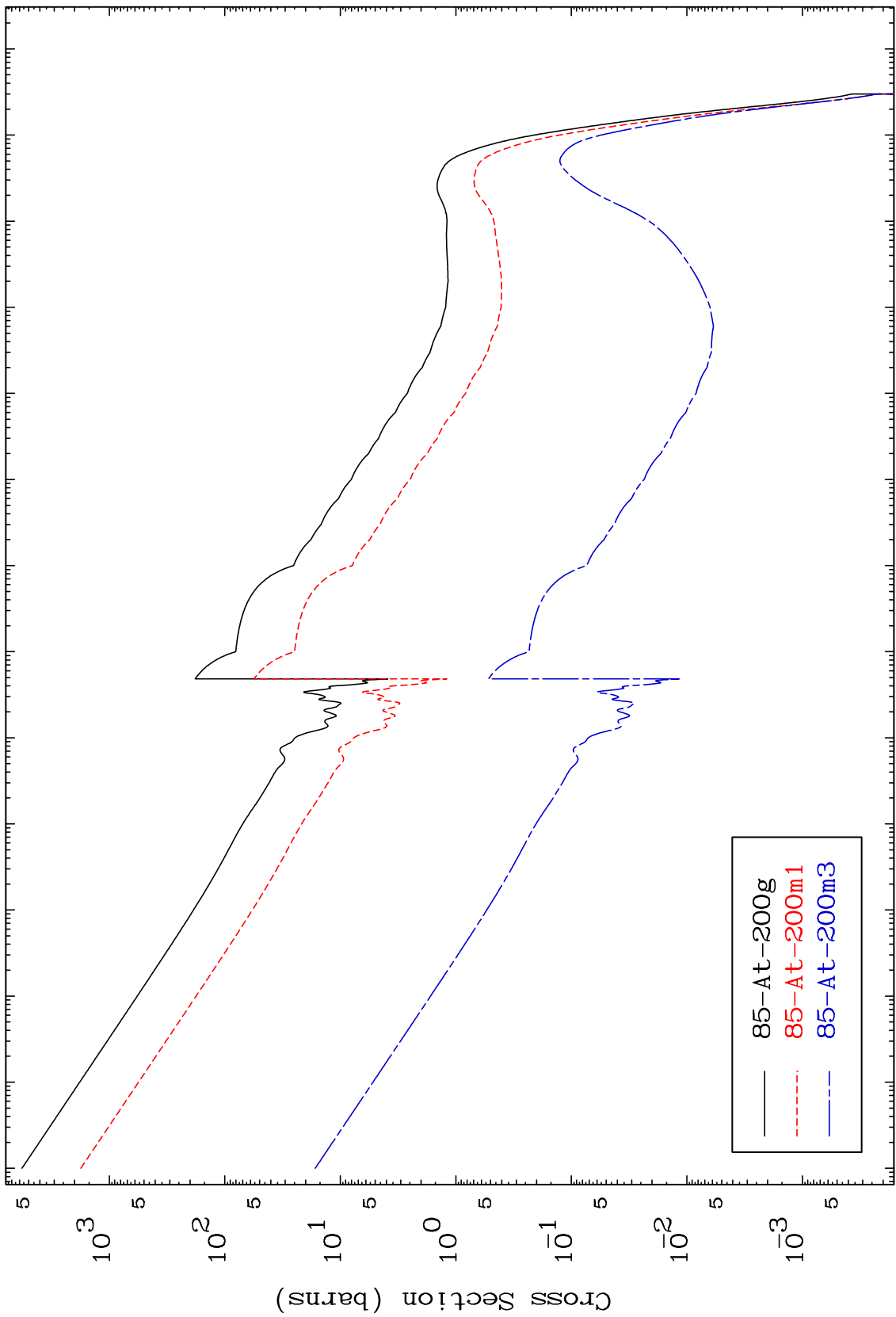
77

Incident Energy (MeV)

85-At-199

Radionuclide Production Cross Section

(n,γ)

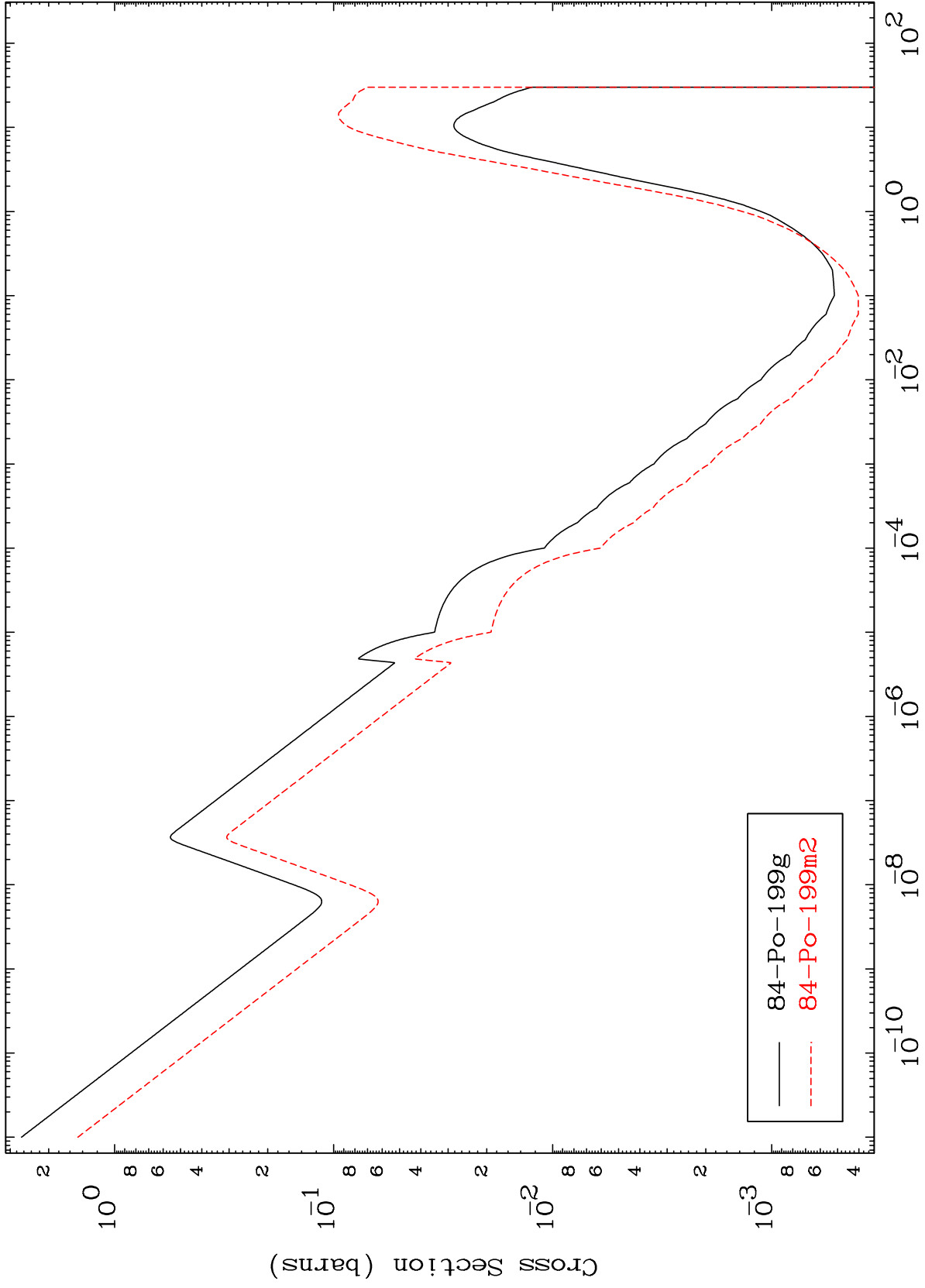


Incident Energy (MeV)

MAT 8513

85-At-199

Radionuclide Production Cross Section (n,p)



79

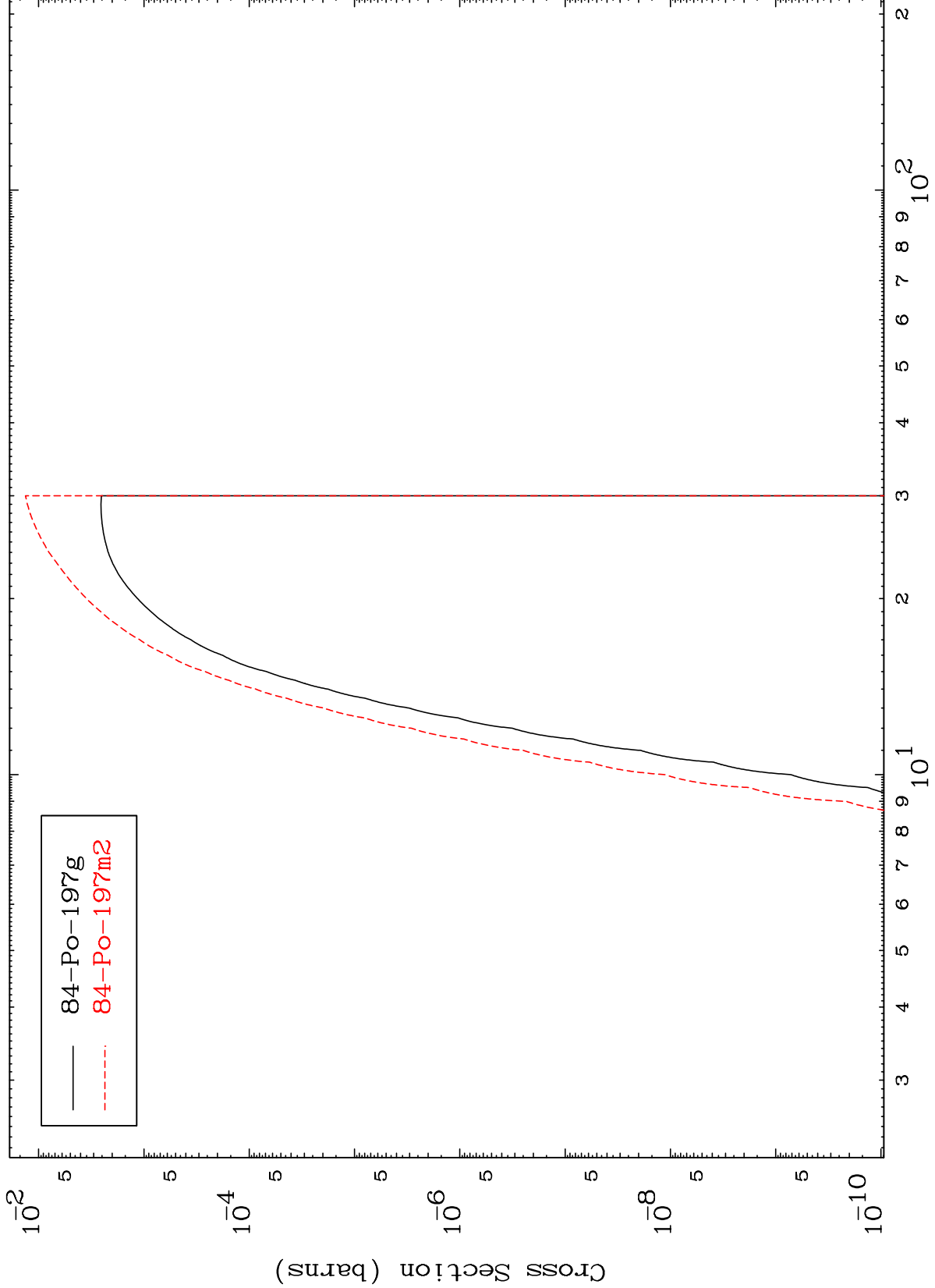
85-At-199

Incident Energy (MeV)

MAT 8513

85-At-199

(n, t)
Radionuclide Production Cross Section



80

Incident Energy (MeV)

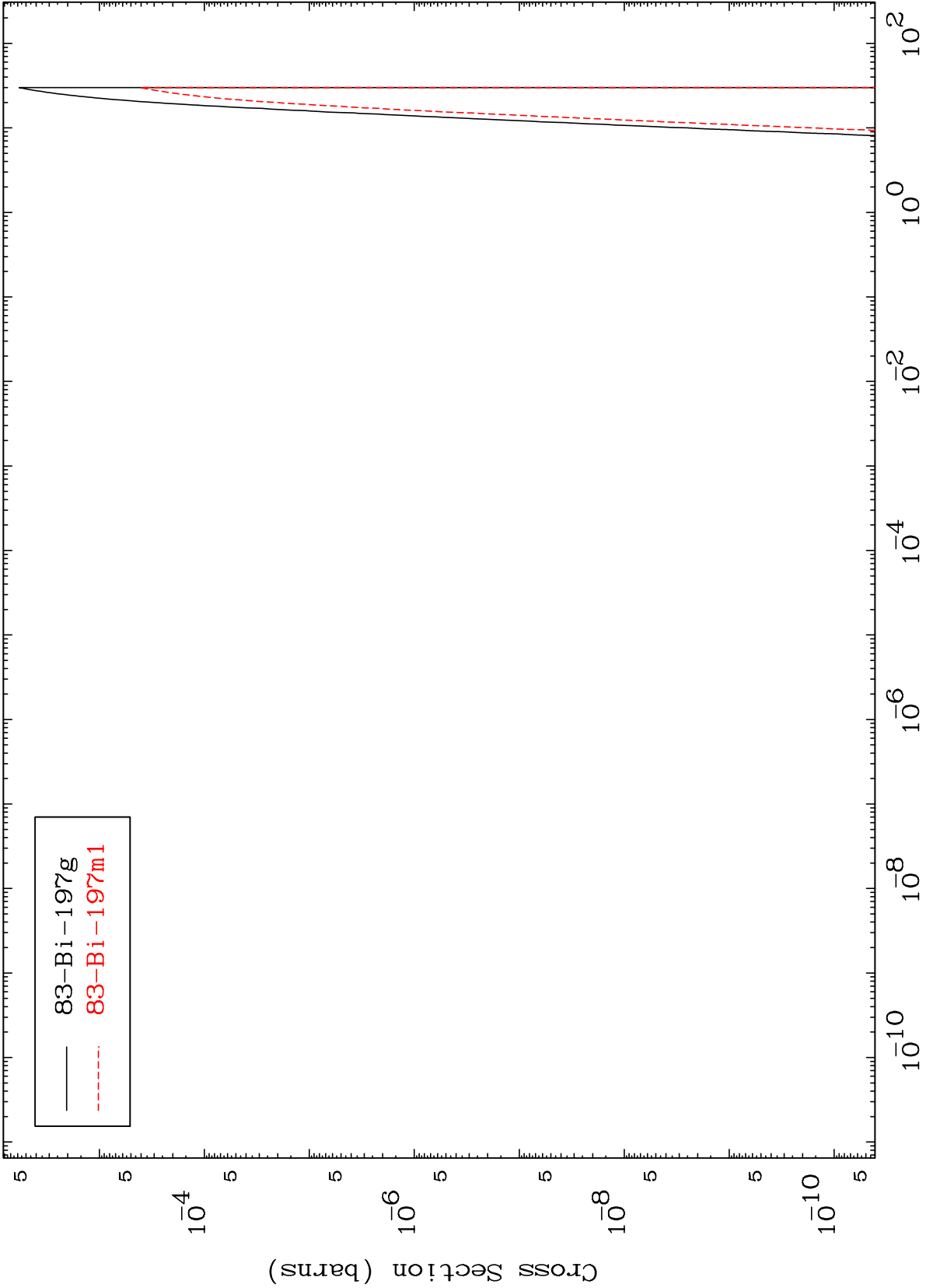
85-At-199

MAT 8513

(n,He-3)

85-At-199

Radionuclide Production Cross Section



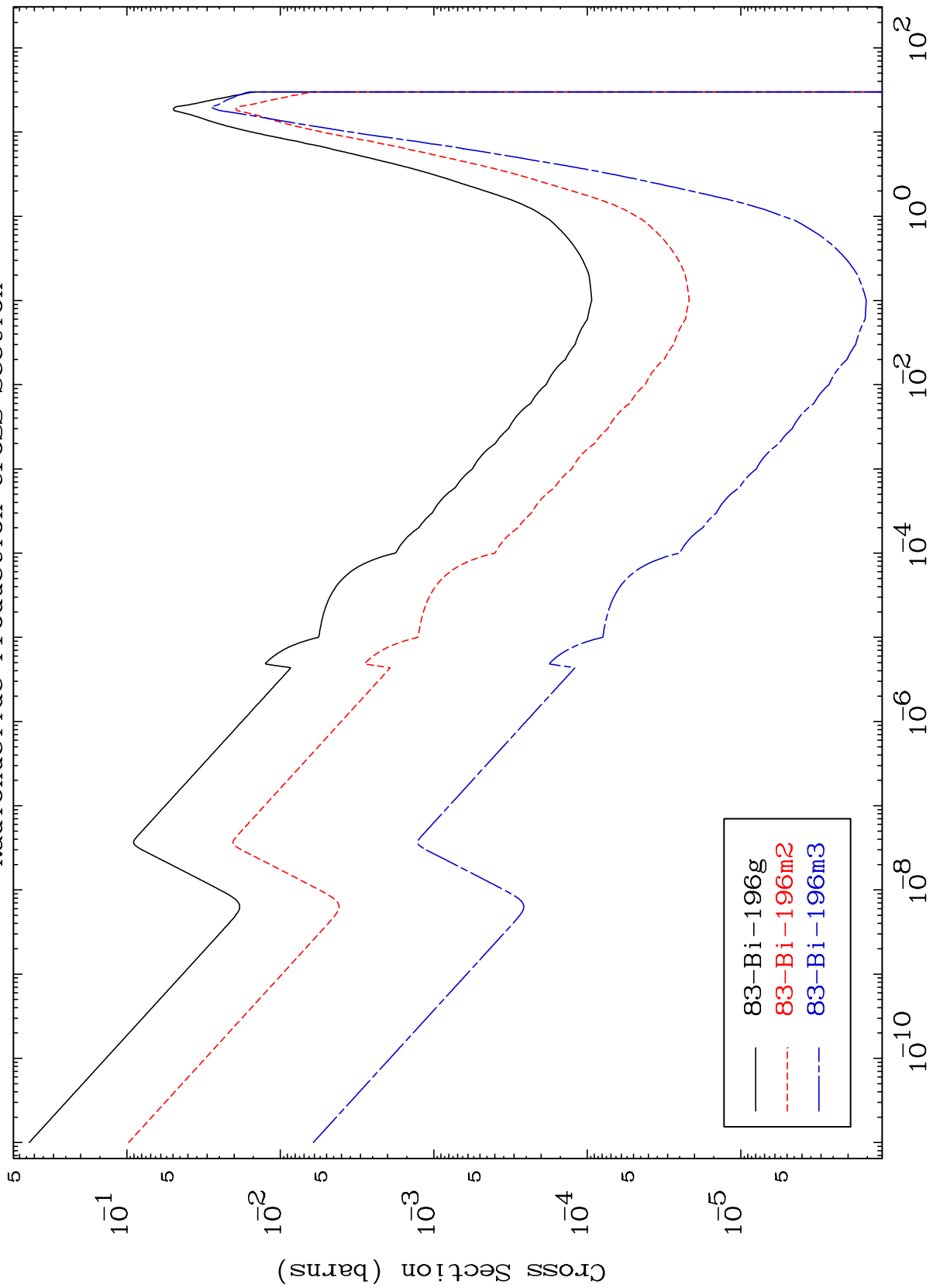
81

Incident Energy (MeV)

85-At-199

Radionuclide Production Cross Section

(n, α)

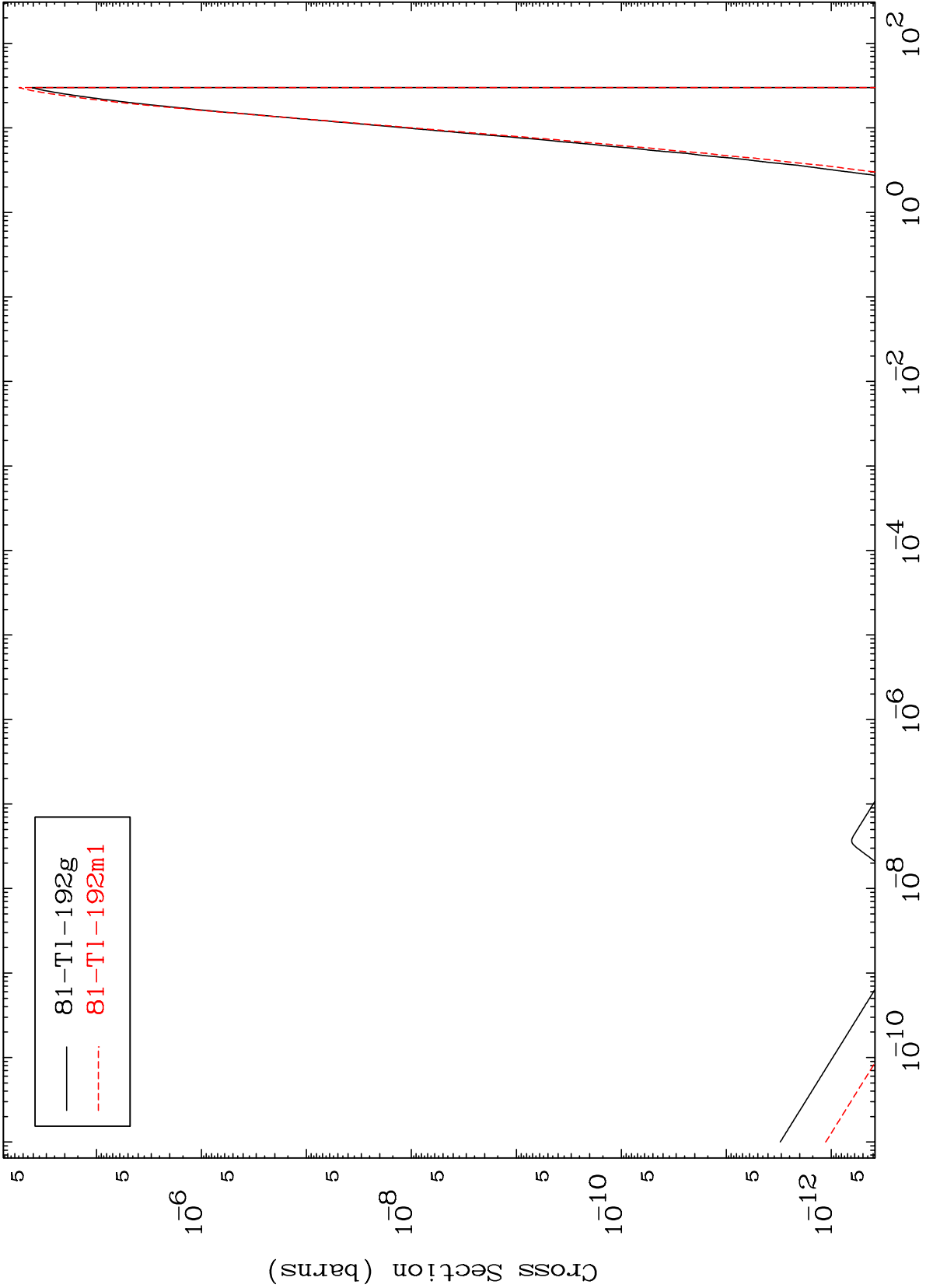


MAT 8513

(n,2α)

85-At-199

Radionuclide Production Cross Section



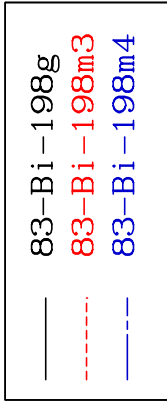
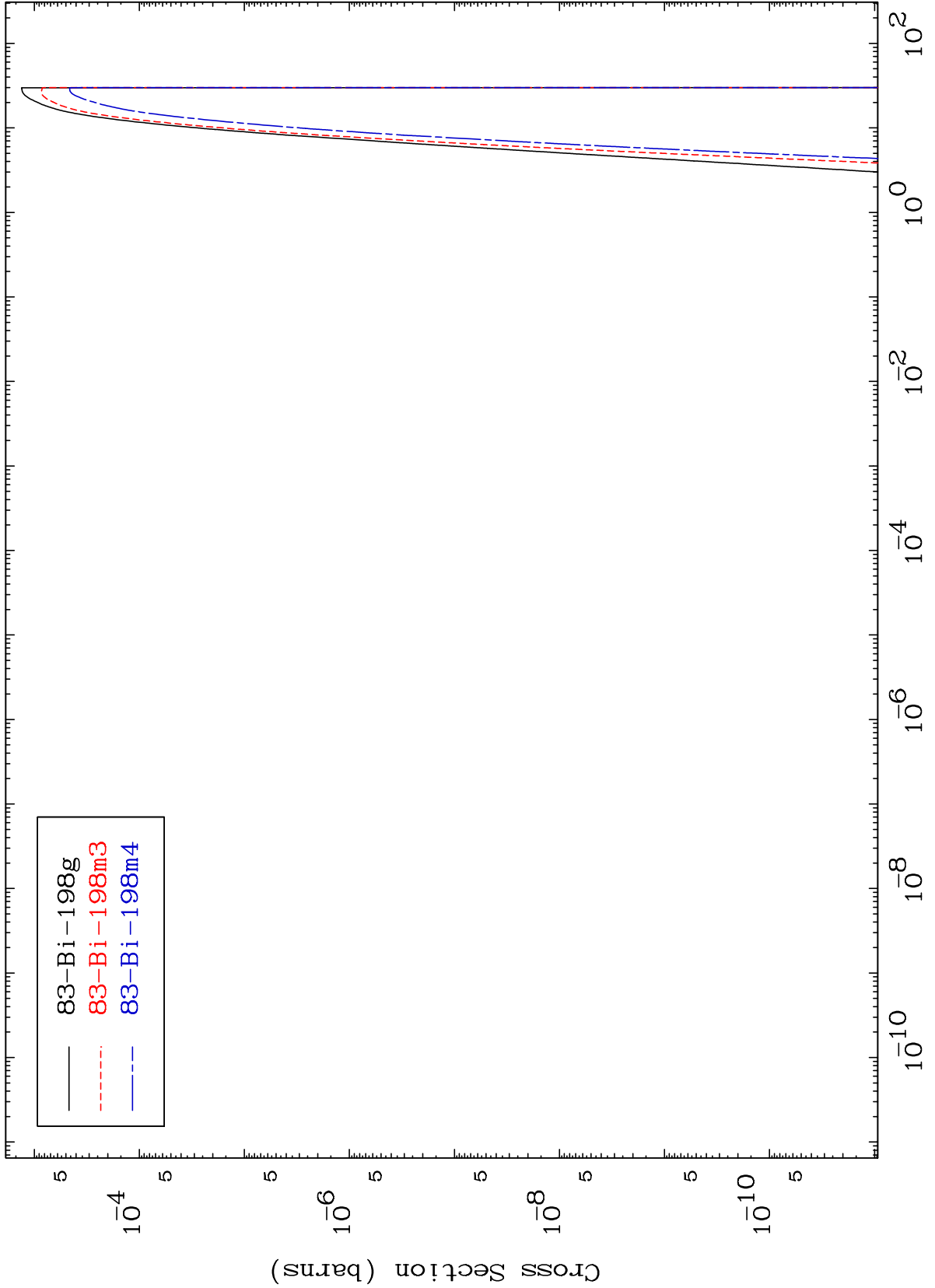
81-Tl-192g
81-Tl-192m1

MAT 8513

(n,2p)

85-At-199

Radionuclide Production Cross Section



84

Incident Energy (MeV)

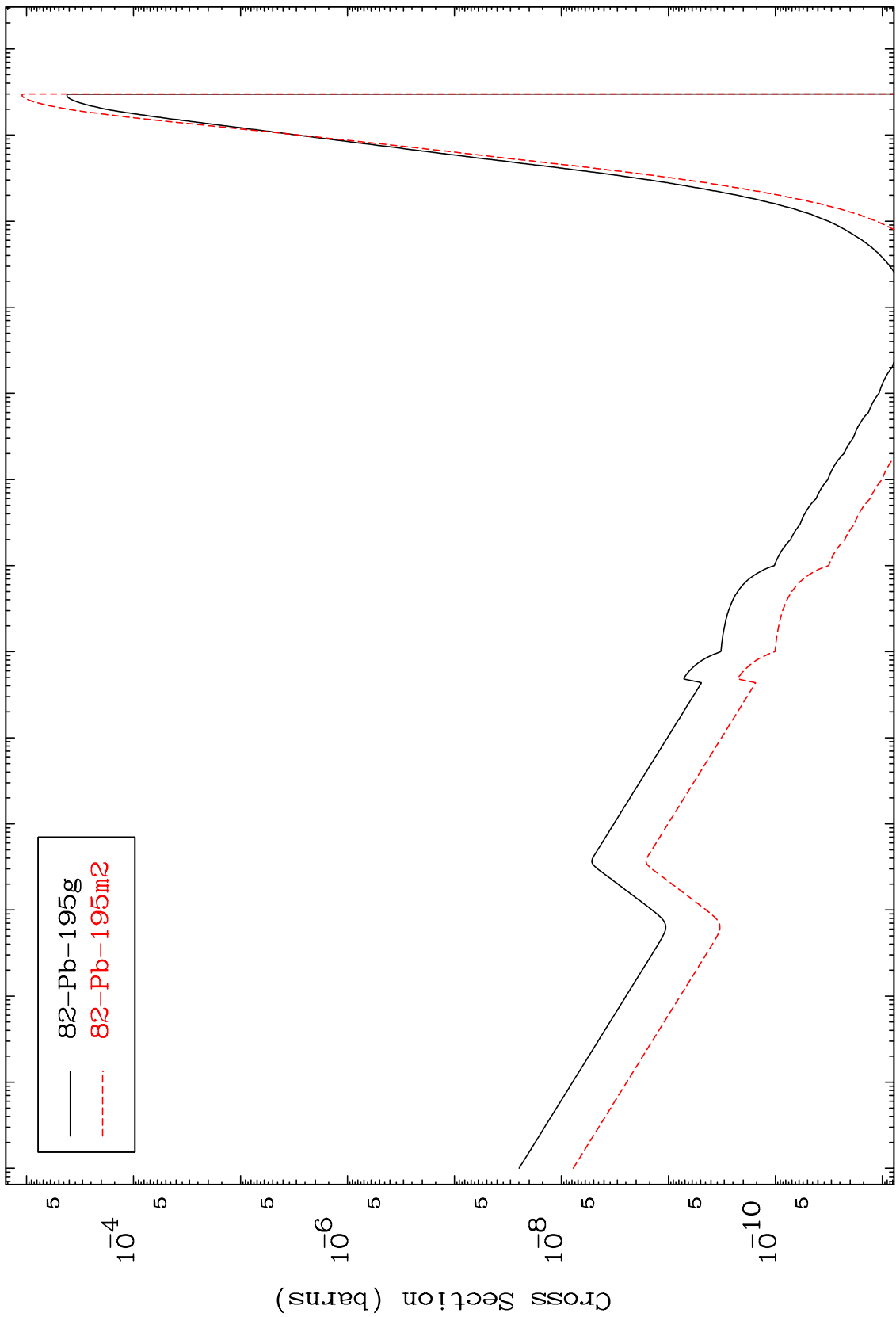
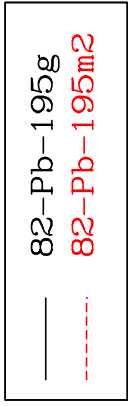
85-At-199

MAT 8513

(n,p) α

85-At-199

Radionuclide Production Cross Section

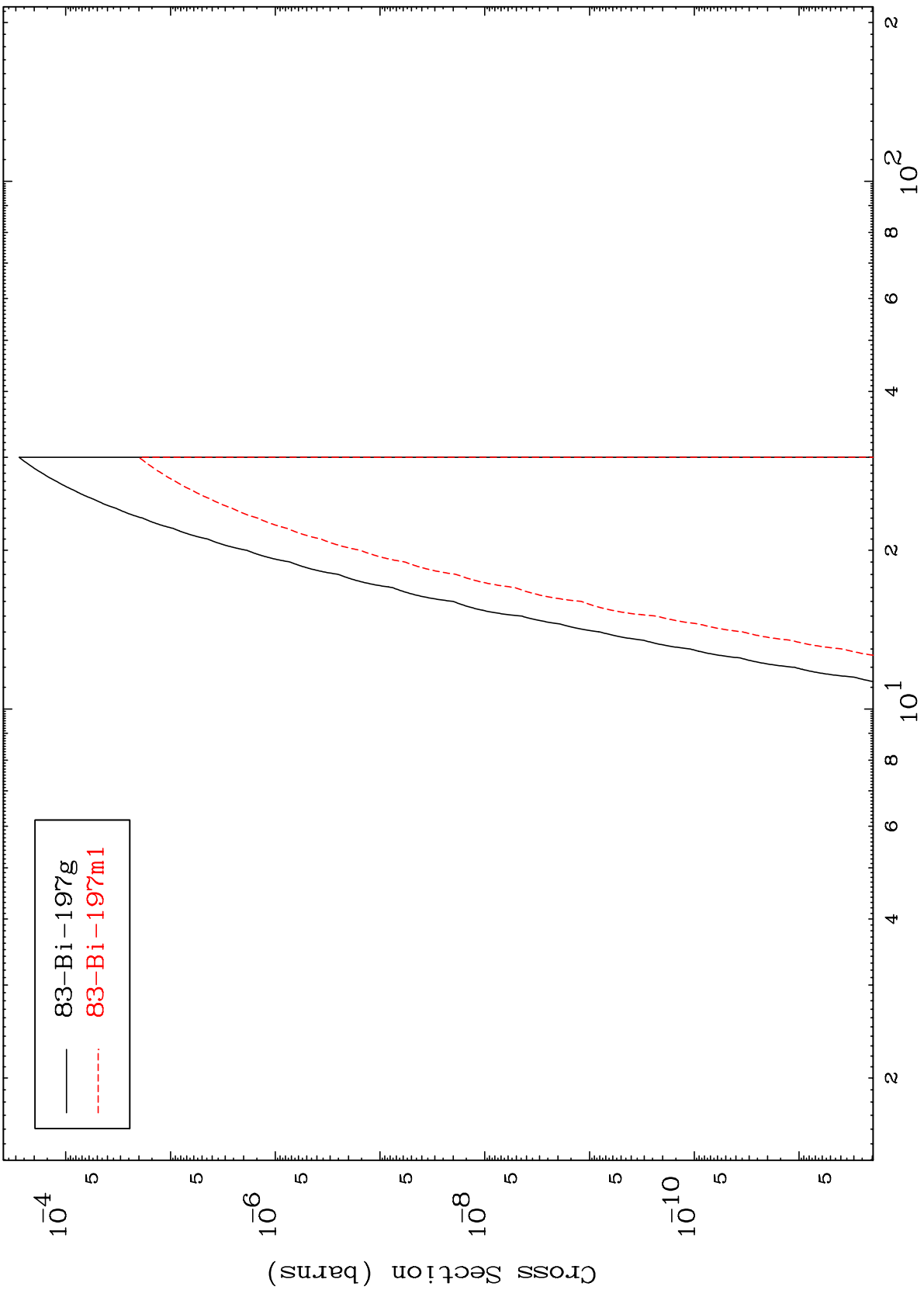


85

Incident Energy (MeV)

85-At-199

Radionuclide Production Cross Section



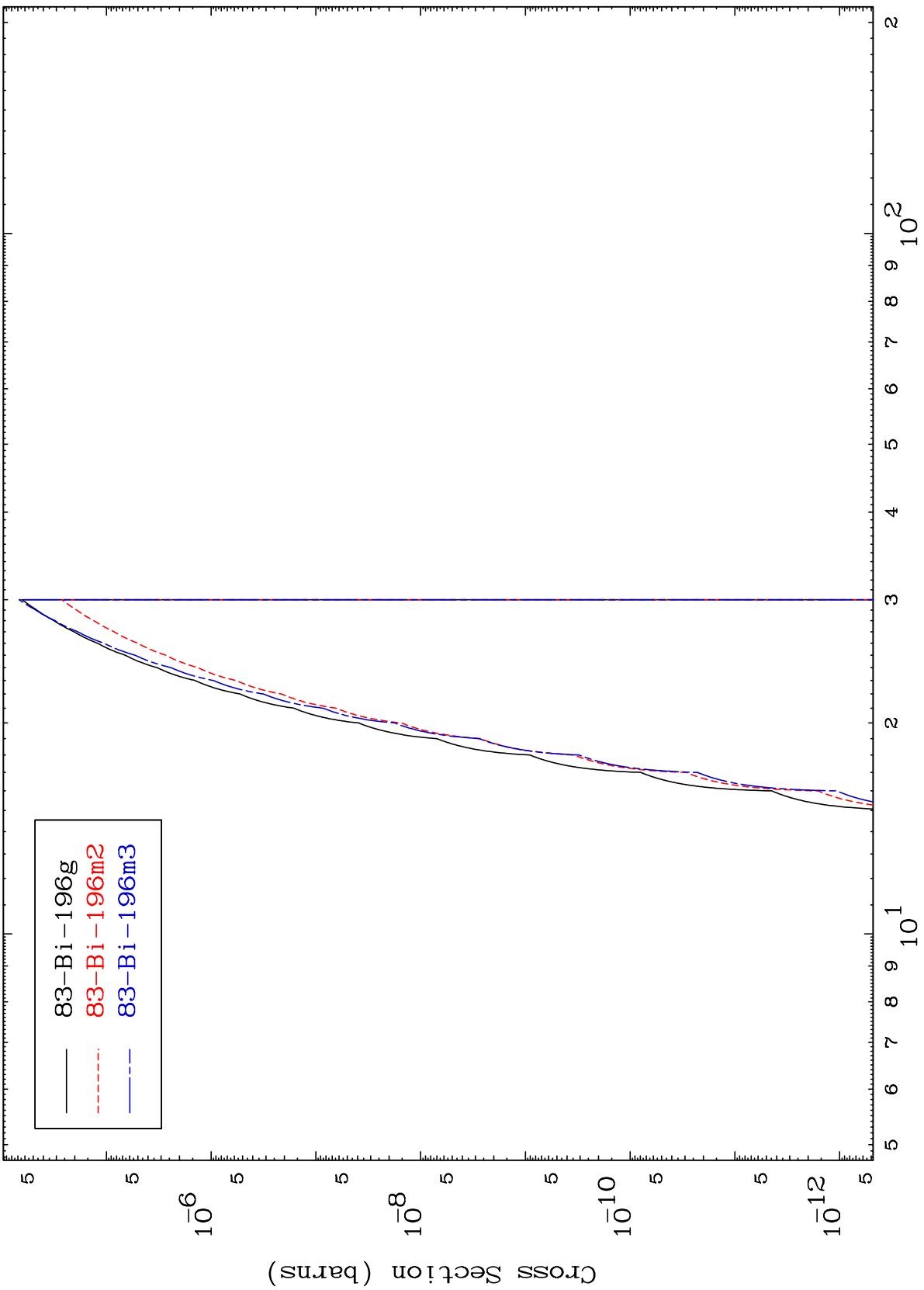
— 83-Bi-197g
- - - 83-Bi-197m1

MAT 8513

(n,p) t

85-At-199

Radionuclide Production Cross Section



87

Incident Energy (MeV)

85-At-199