

Program EVALPLOT
(Version 2021-1)

by

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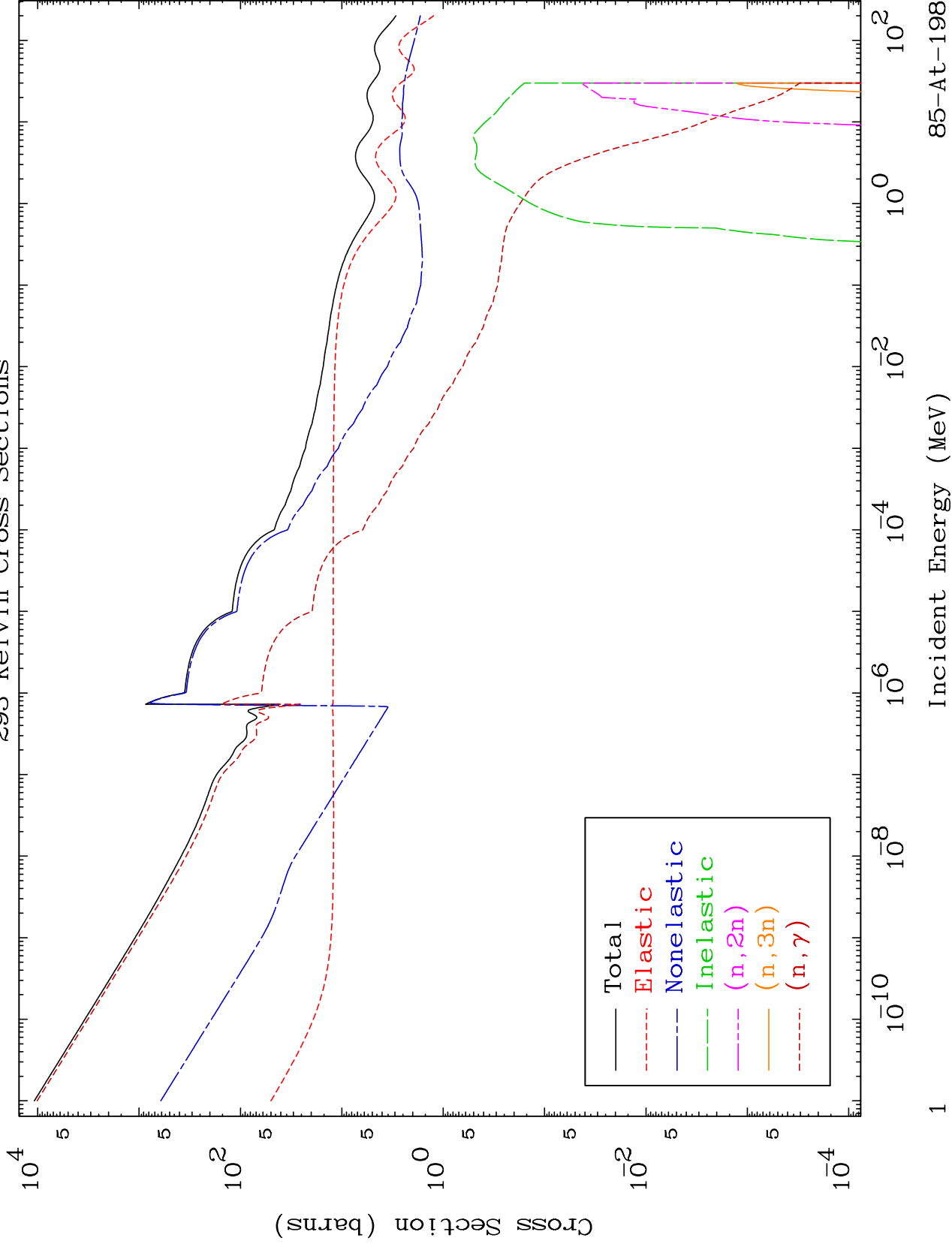
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Press Mouse Button to Start

MAT 8510

Neutron Major
293 Kelvin Cross Sections

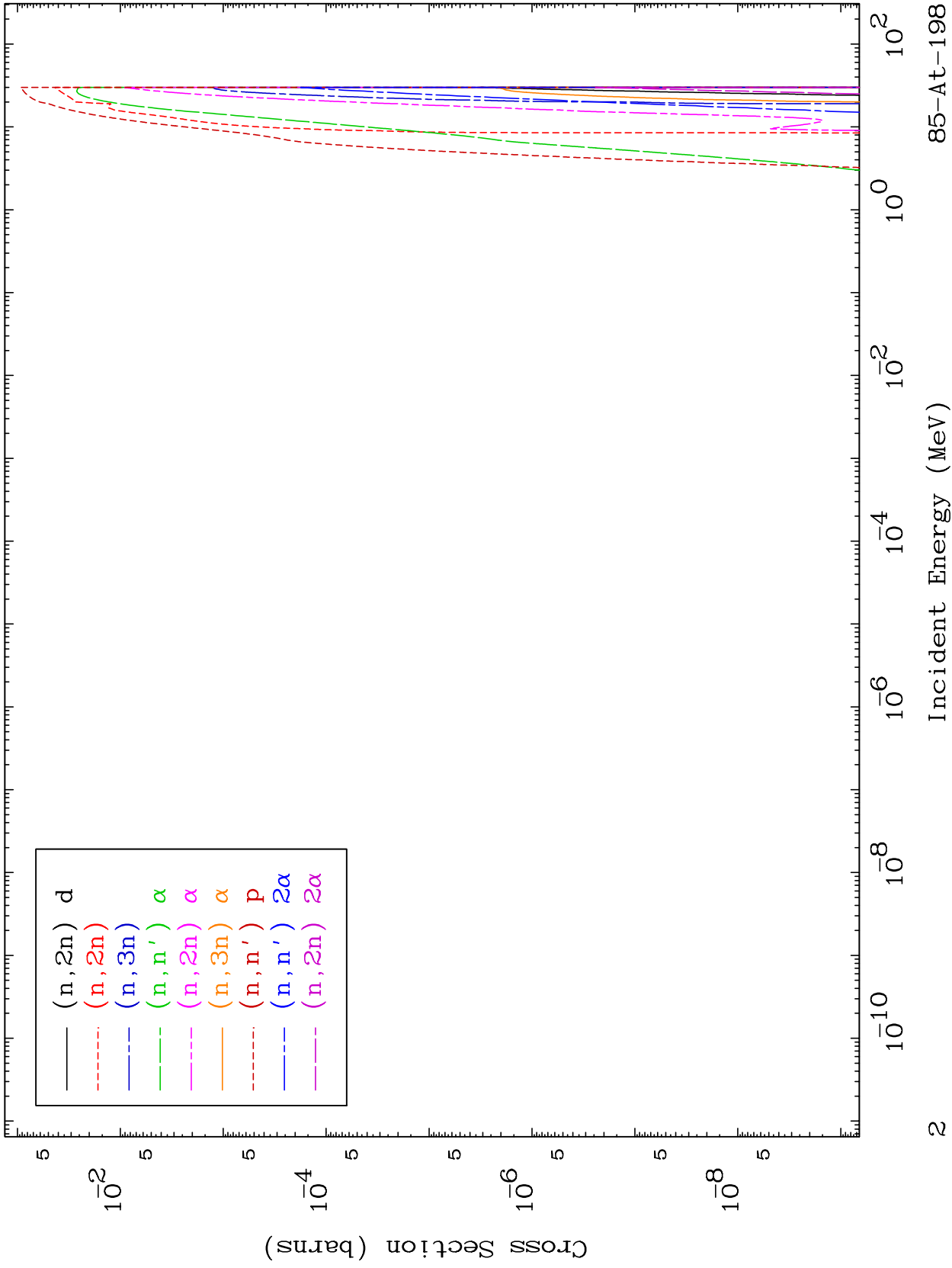
85-At-198



MAT 8510

Neutron Absorption
293 Kelvin Cross Sections

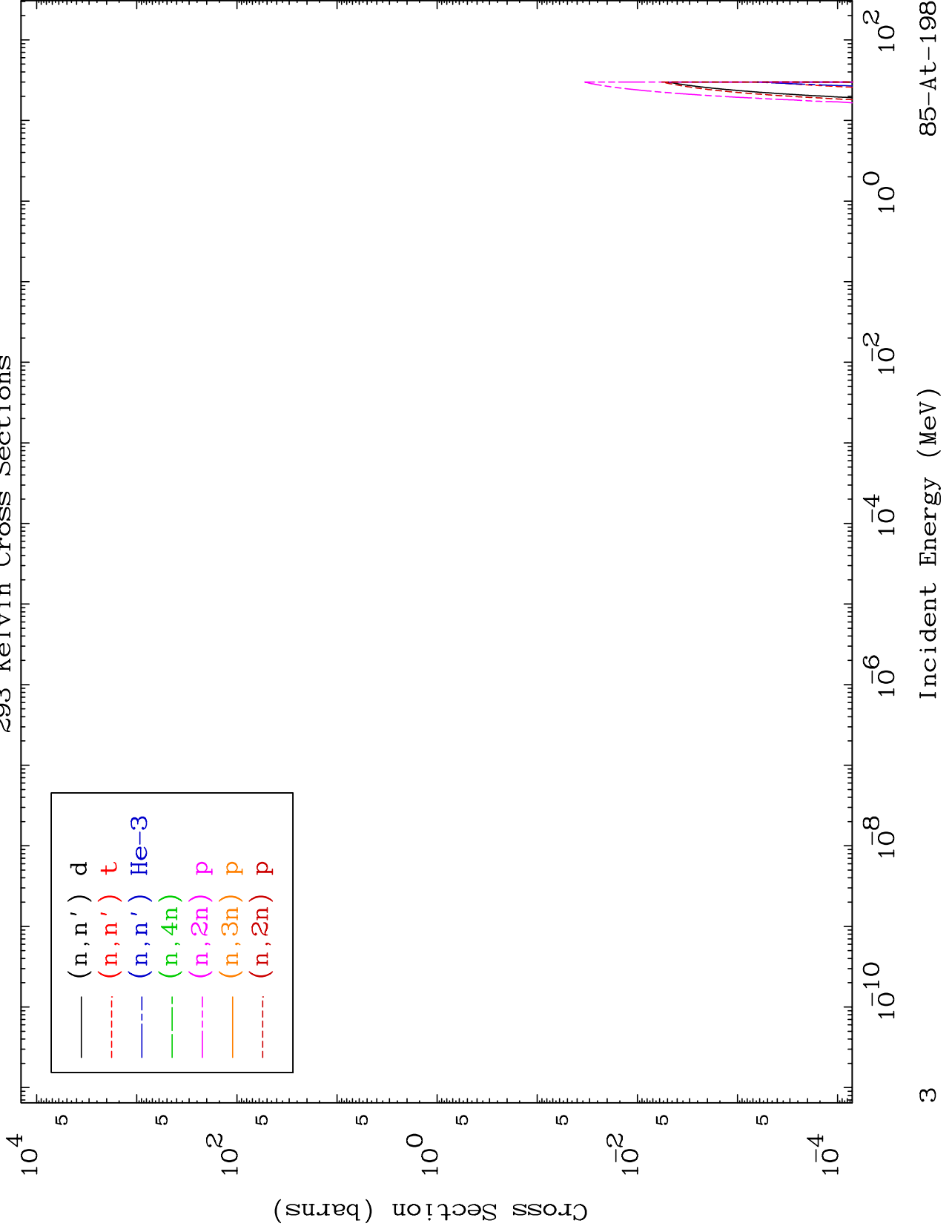
85-At-198



MAT 8510

Neutron Absorption
293 Kelvin Cross Sections

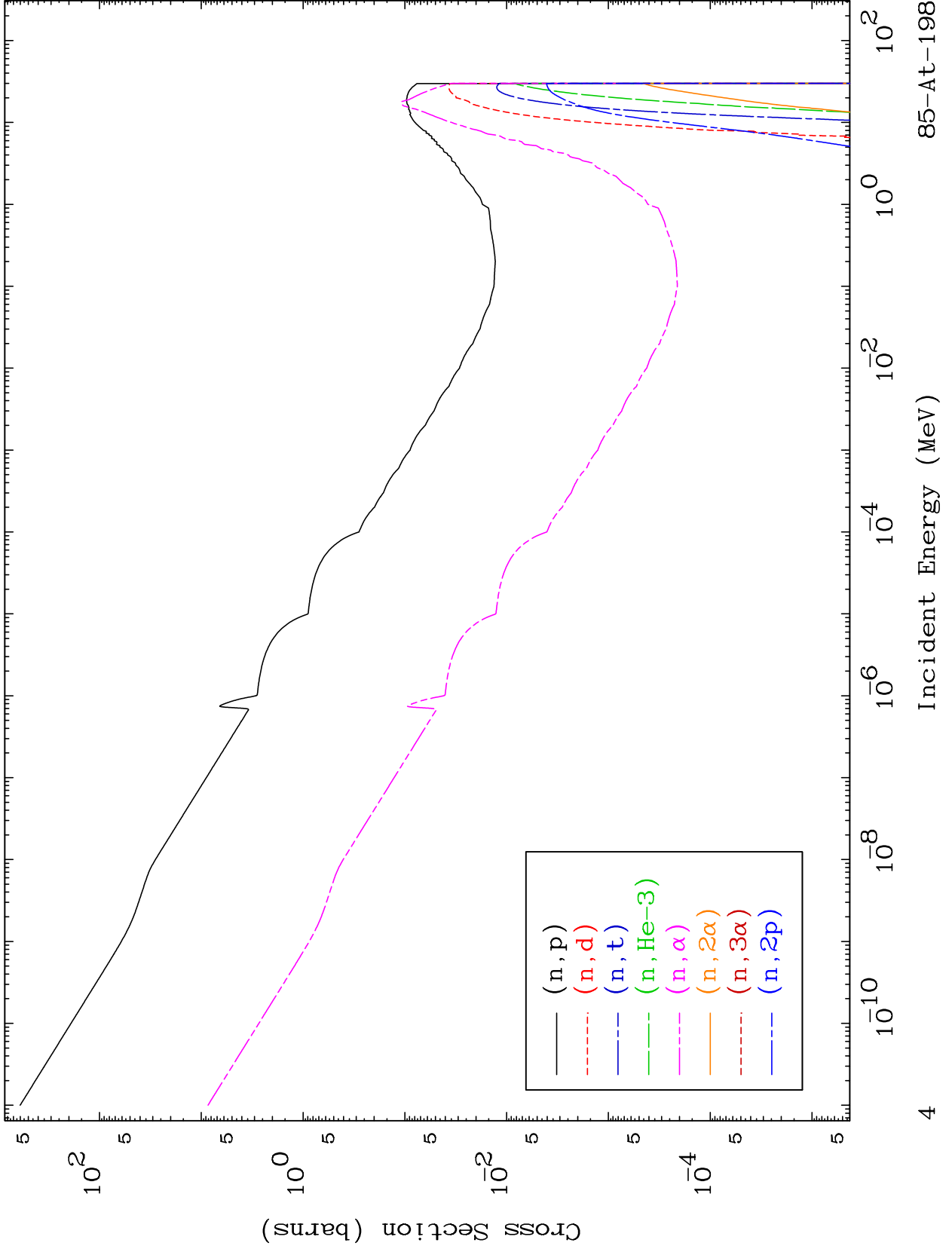
85-At-198

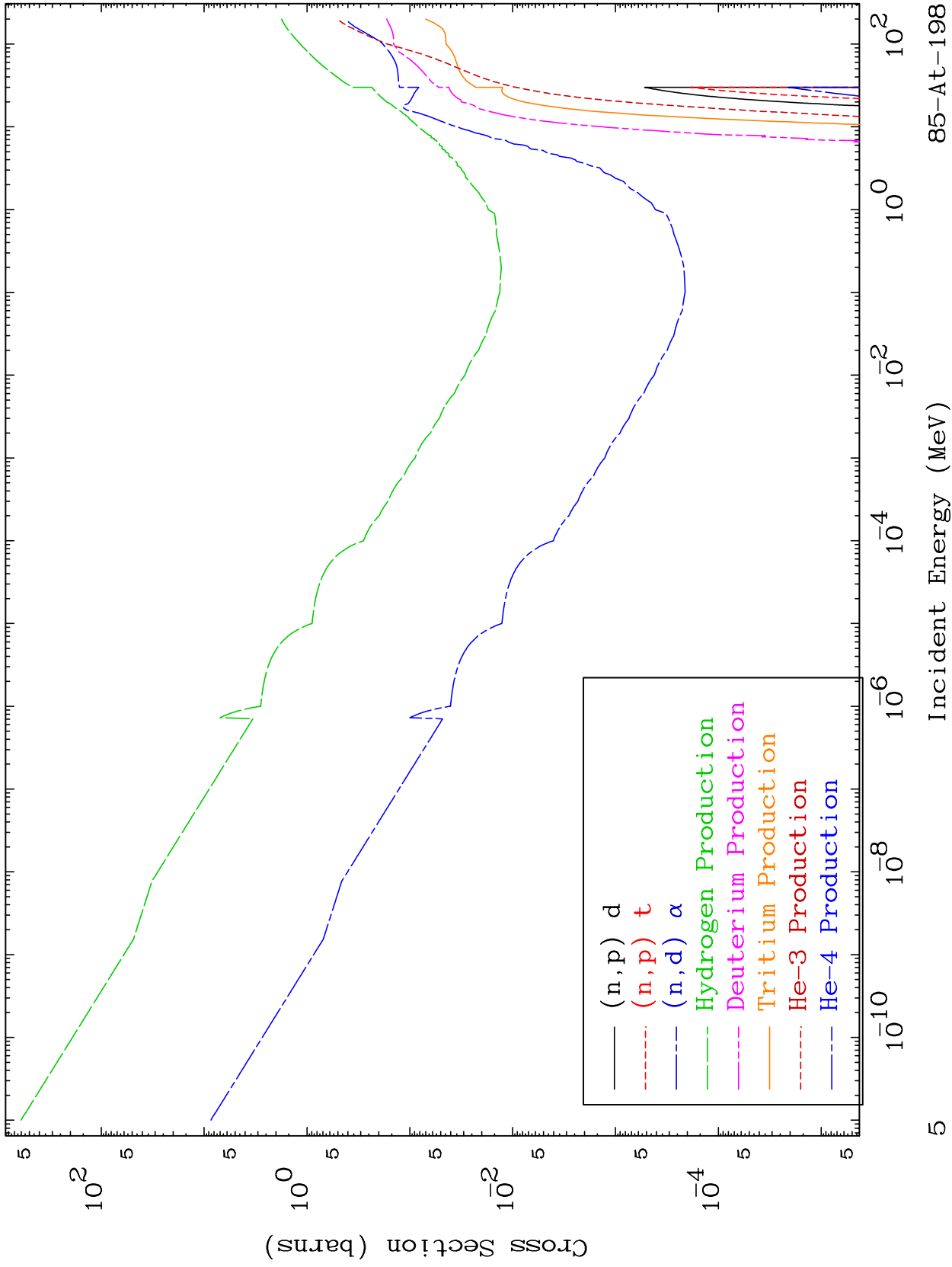


MAT 8510

Neutron Absorption
293 Kelvin Cross Sections

85-At-198

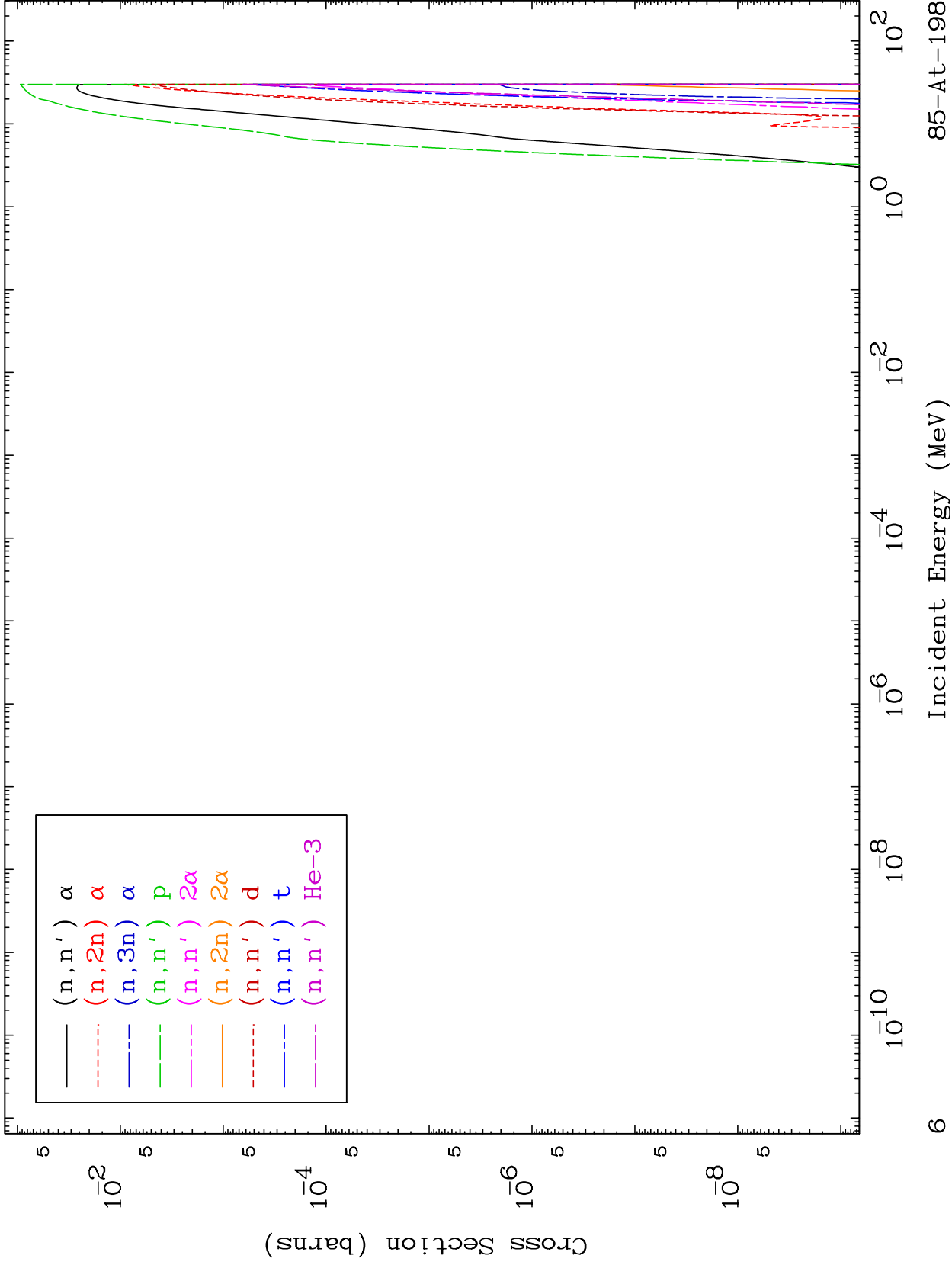




MAT 8510

Charged Particle
293 Kelvin Cross Sections

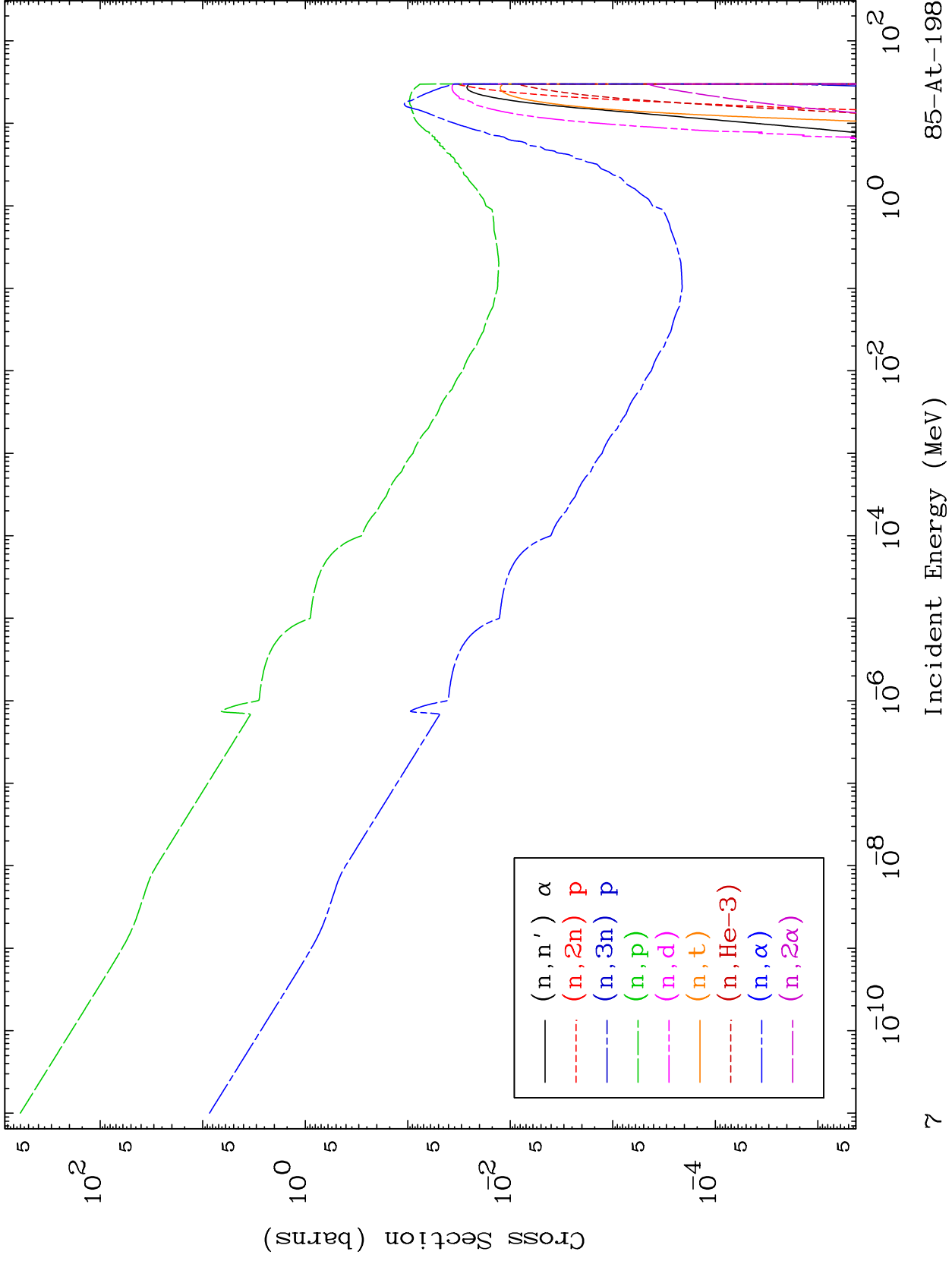
85-At-198



MAT 8510

Charged Particle
293 Kelvin Cross Sections

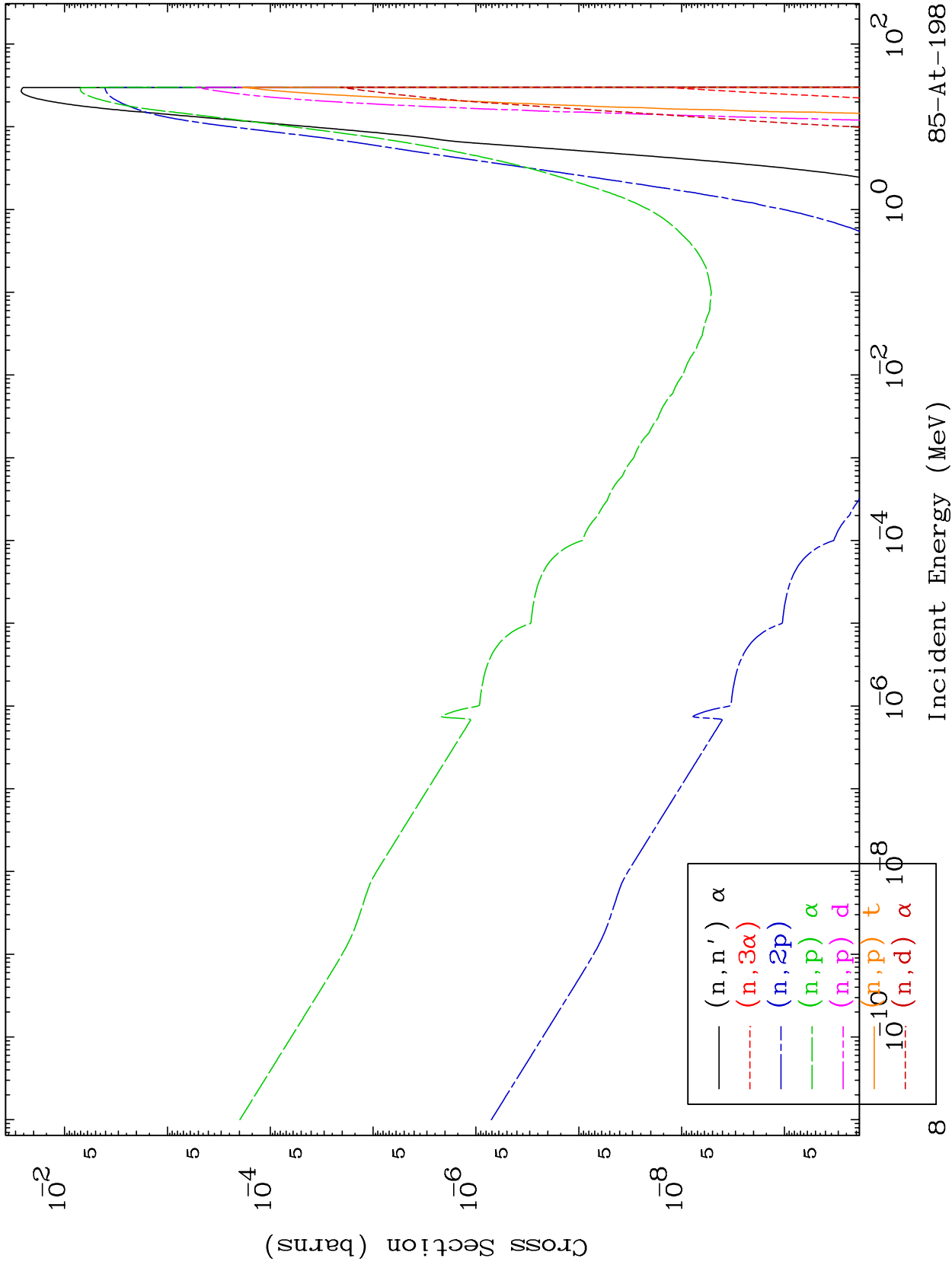
85-At-198



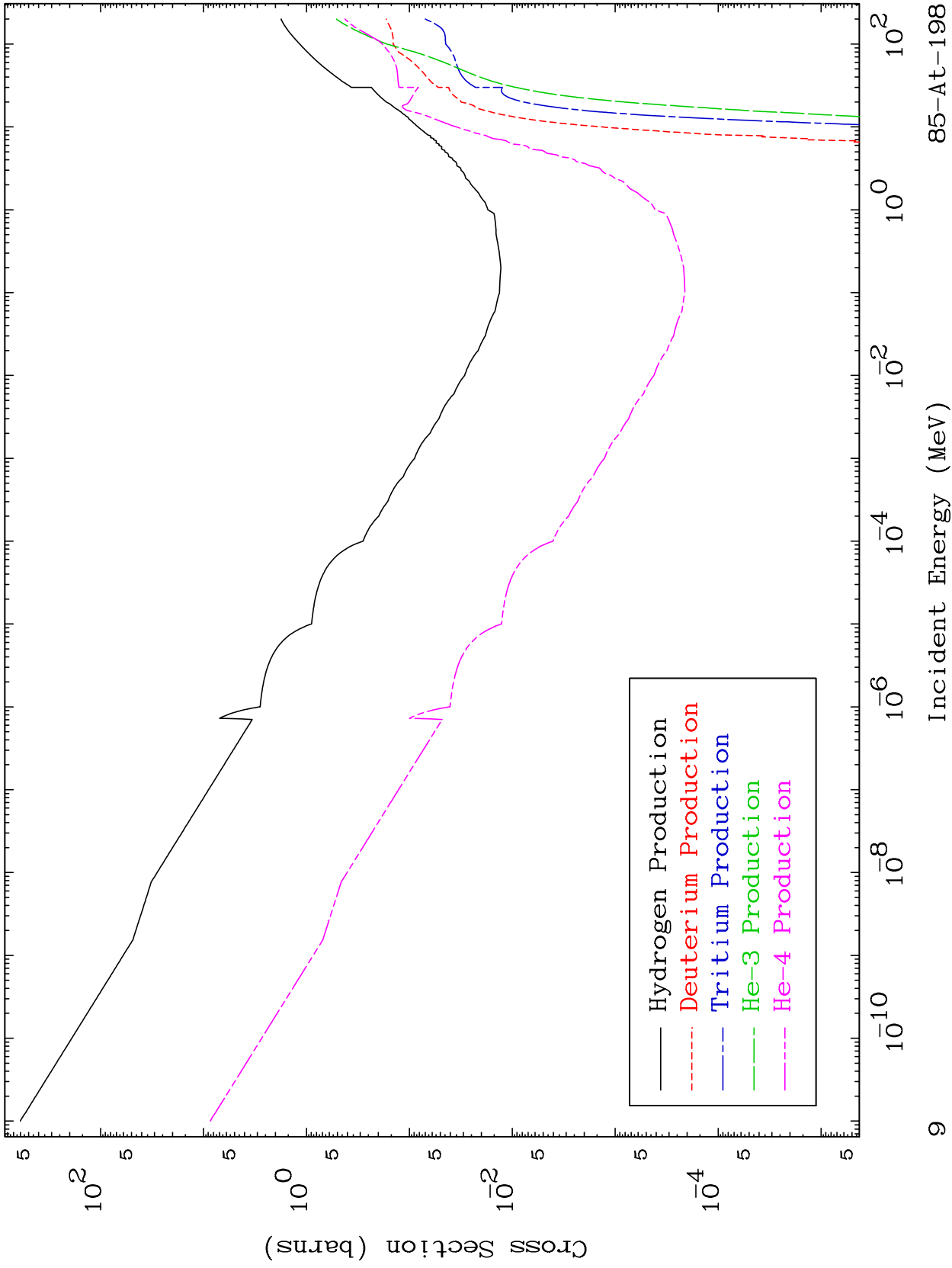
MAT 8510

Charged Particle
293 Kelvin Cross Sections

85-At-198



8

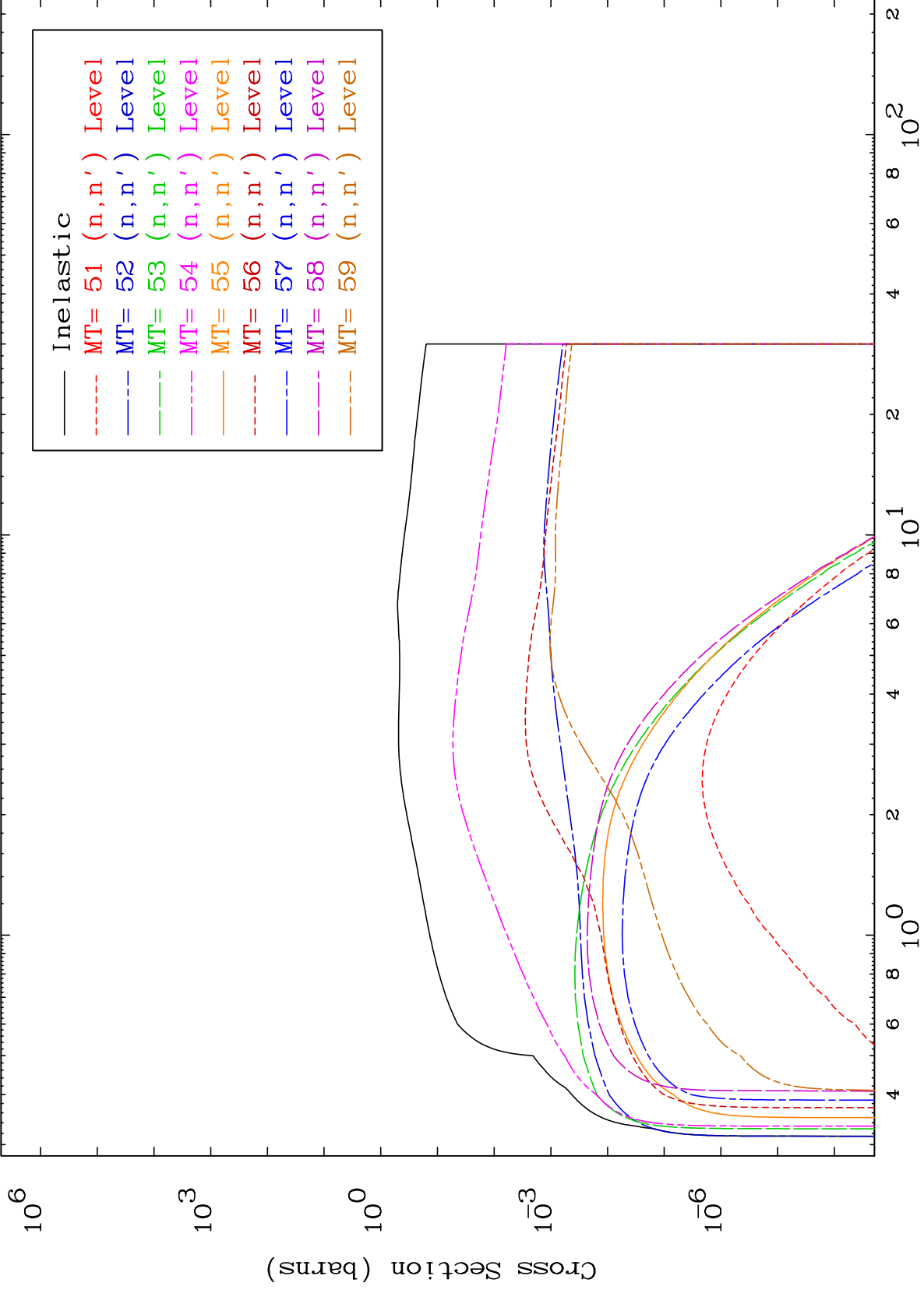


MAT 8510

(n,n') Levels

85-At-198

293 Kelvin Cross Sections

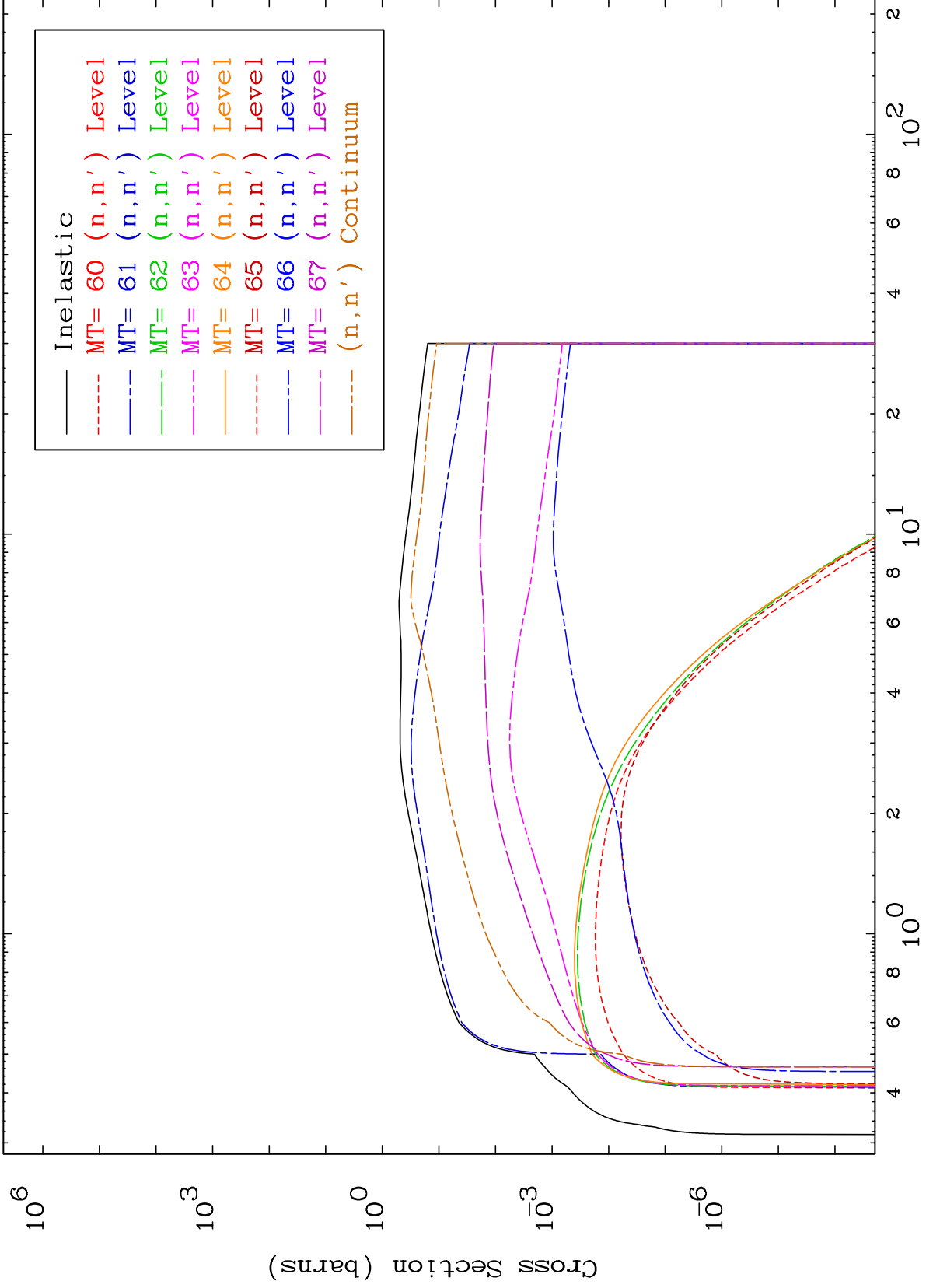


10

Incident Energy (MeV)

85-At-198

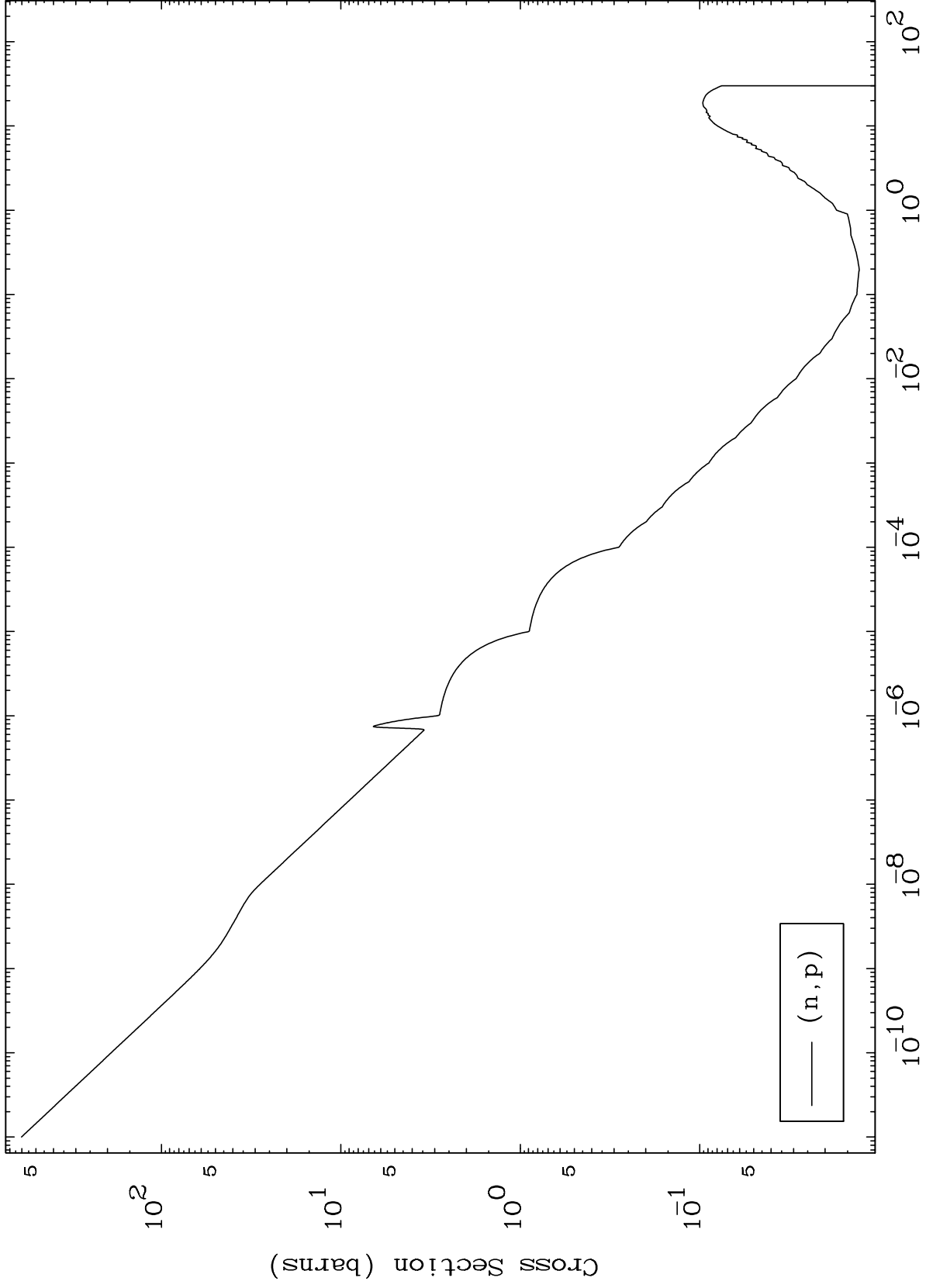
293 Kelvin Cross Sections



MAT 8510

(n,p) Levels
293 Kelvin Cross Sections

85-At-198



12

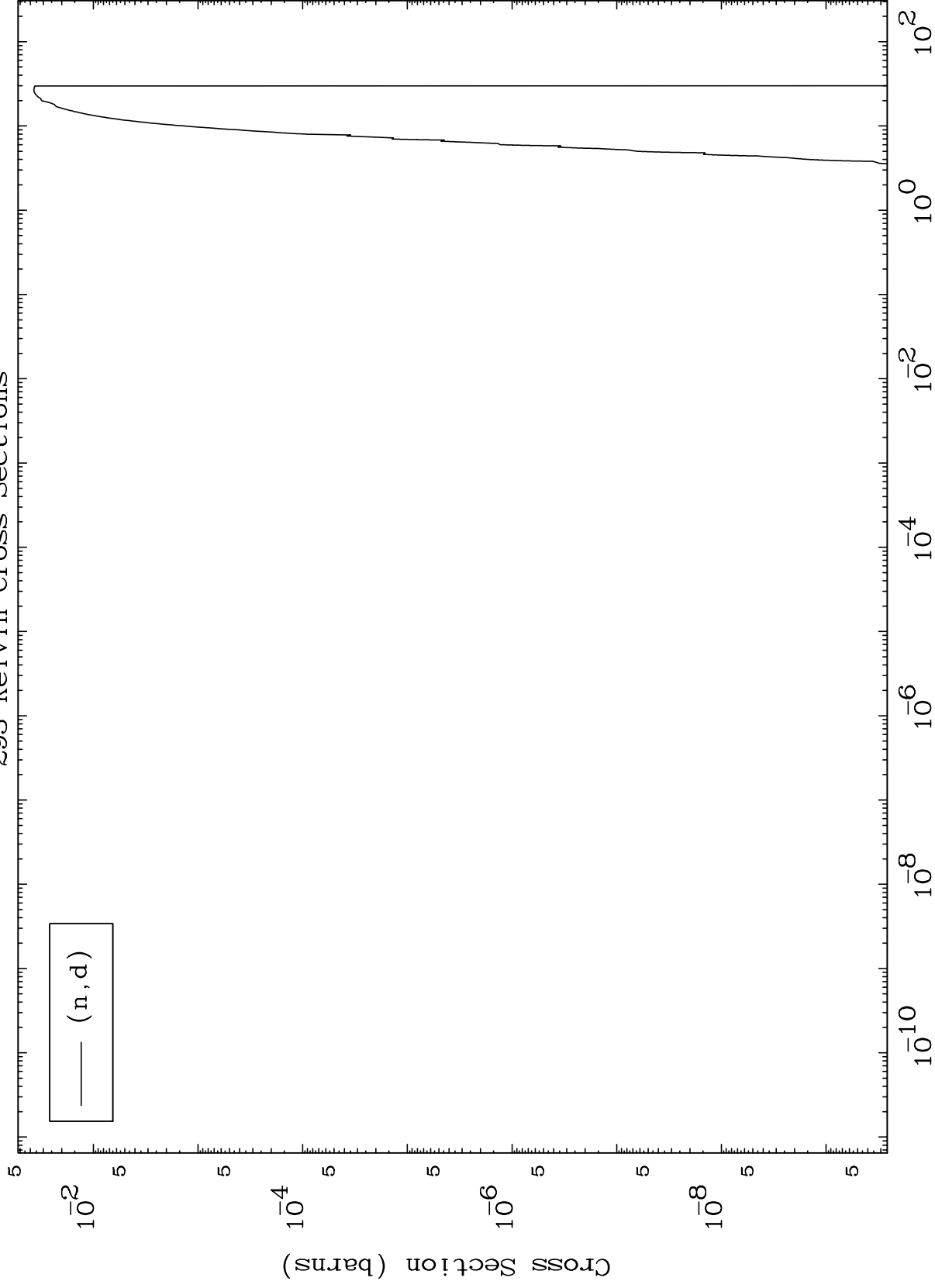
Incident Energy (MeV)

85-At-198

MAT 8510

(n,d) Levels
293 Kelvin Cross Sections

85-At-198



13

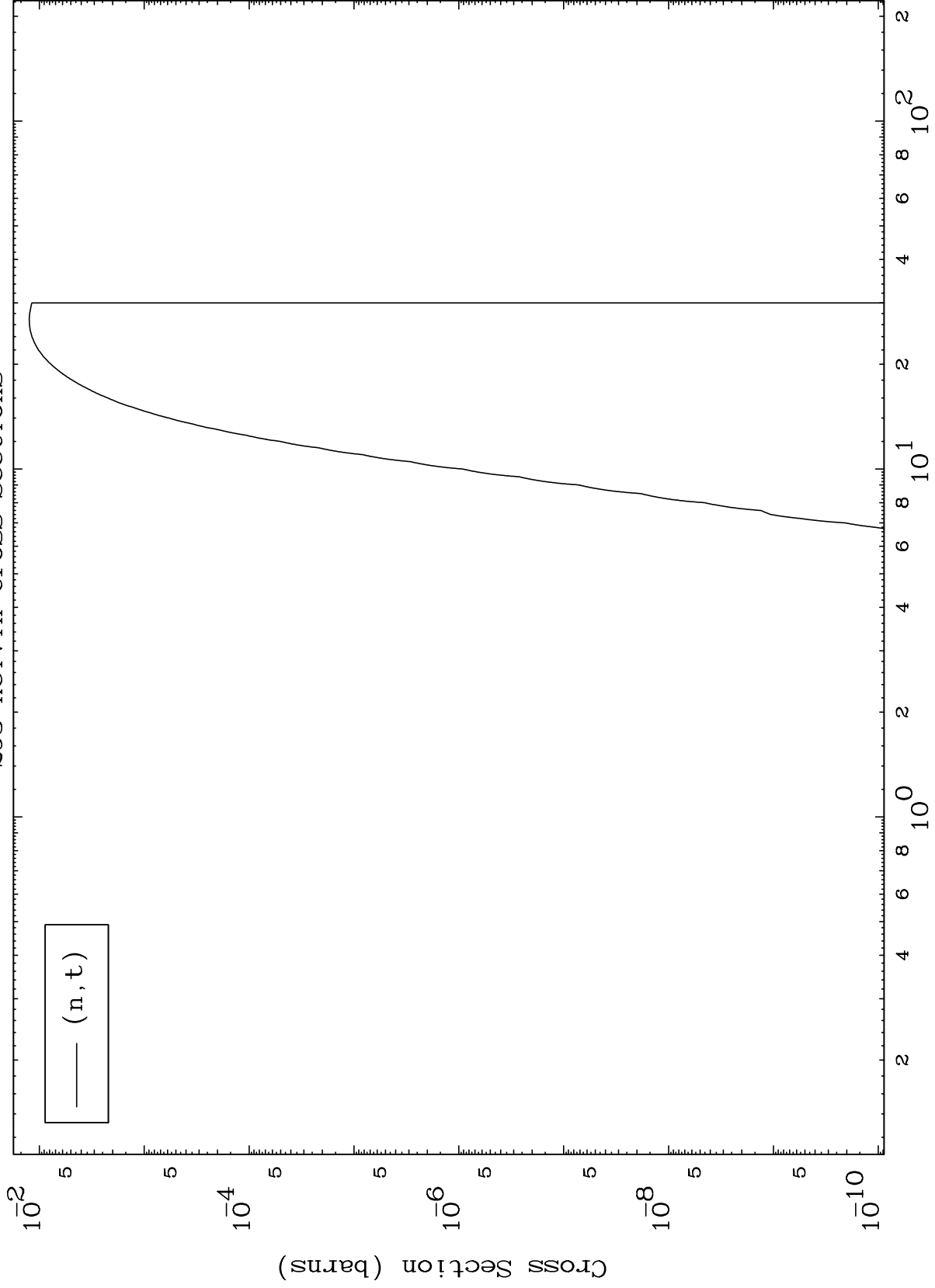
Incident Energy (MeV)

85-At-198

MAT 8510

(n,t) Levels
293 Kelvin Cross Sections

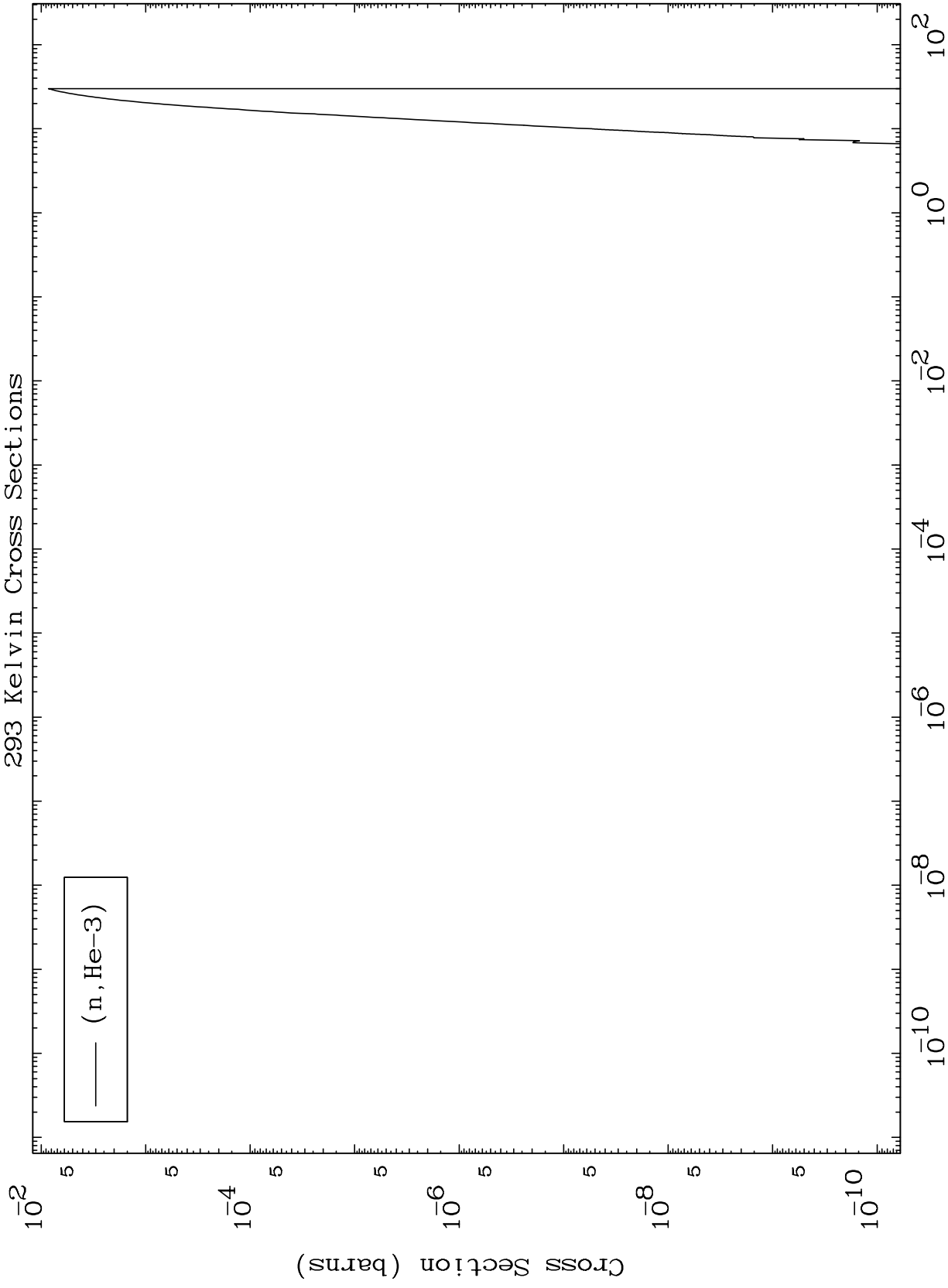
85-At-198



MAT 8510

(n,He3) Levels
293 Kelvin Cross Sections

85-At-198



15

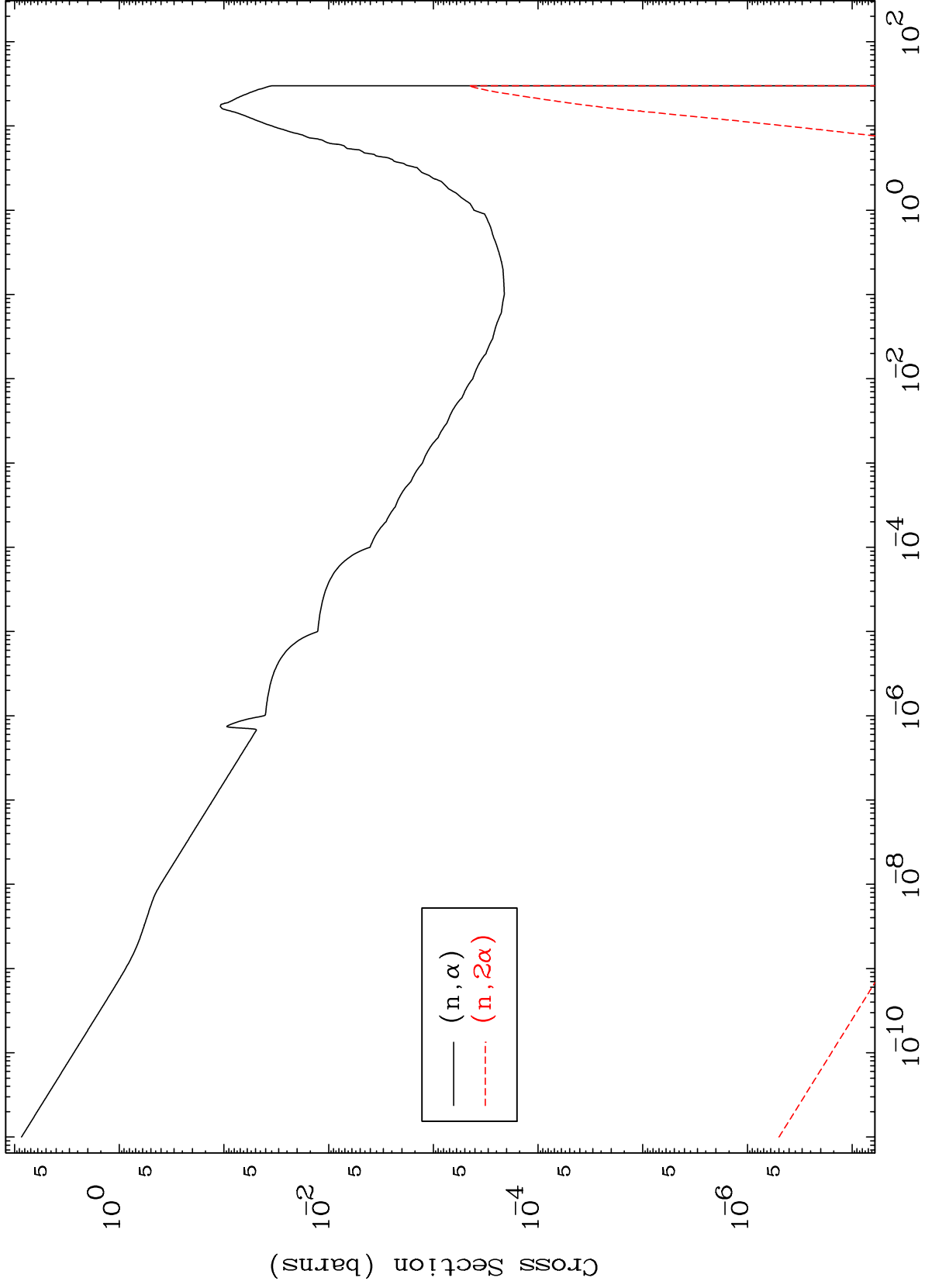
Incident Energy (MeV)

85-At-198

MAT 8510

(n,α) Levels
293 Kelvin Cross Sections

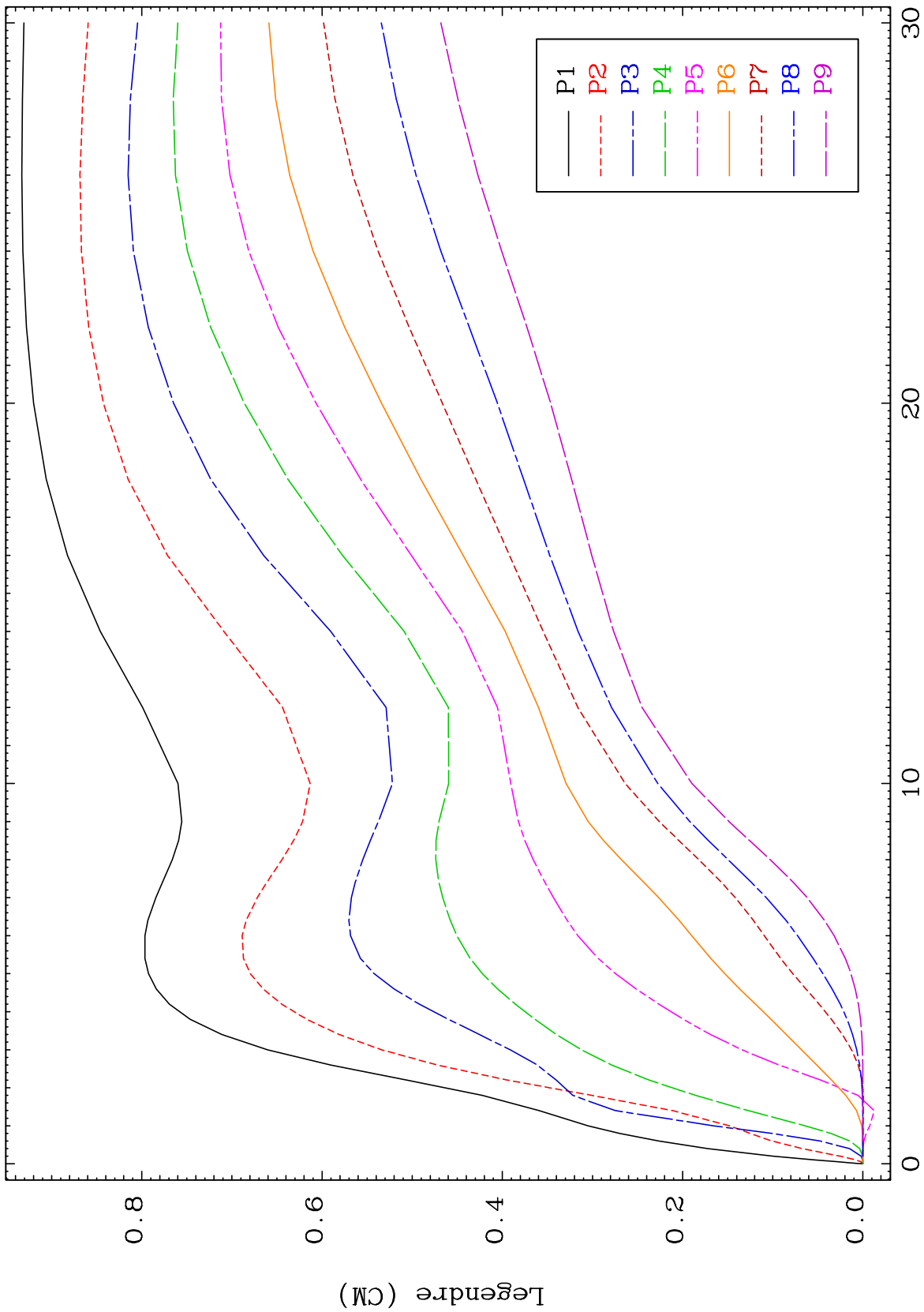
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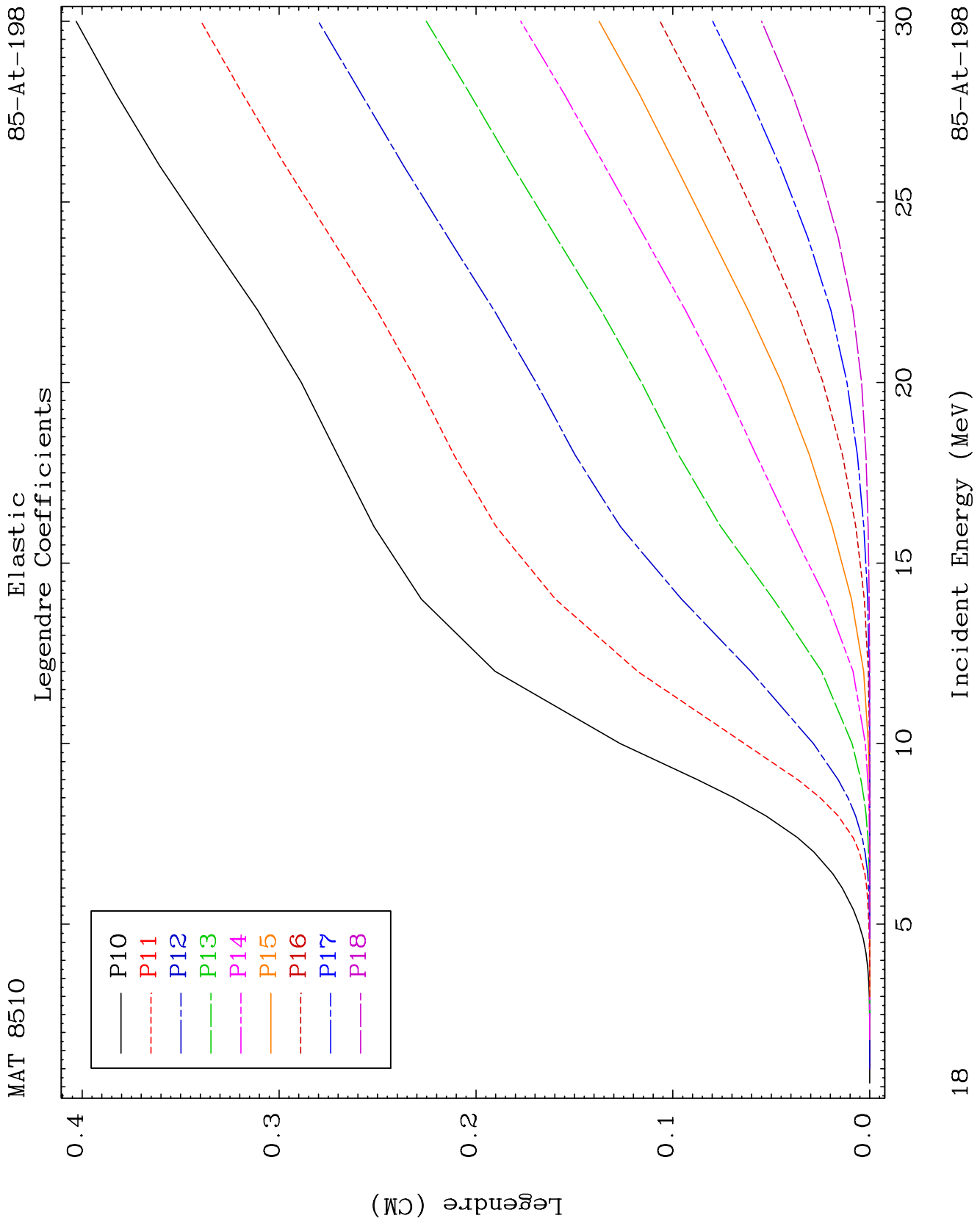


16

Incident Energy (MeV)

85-At-198

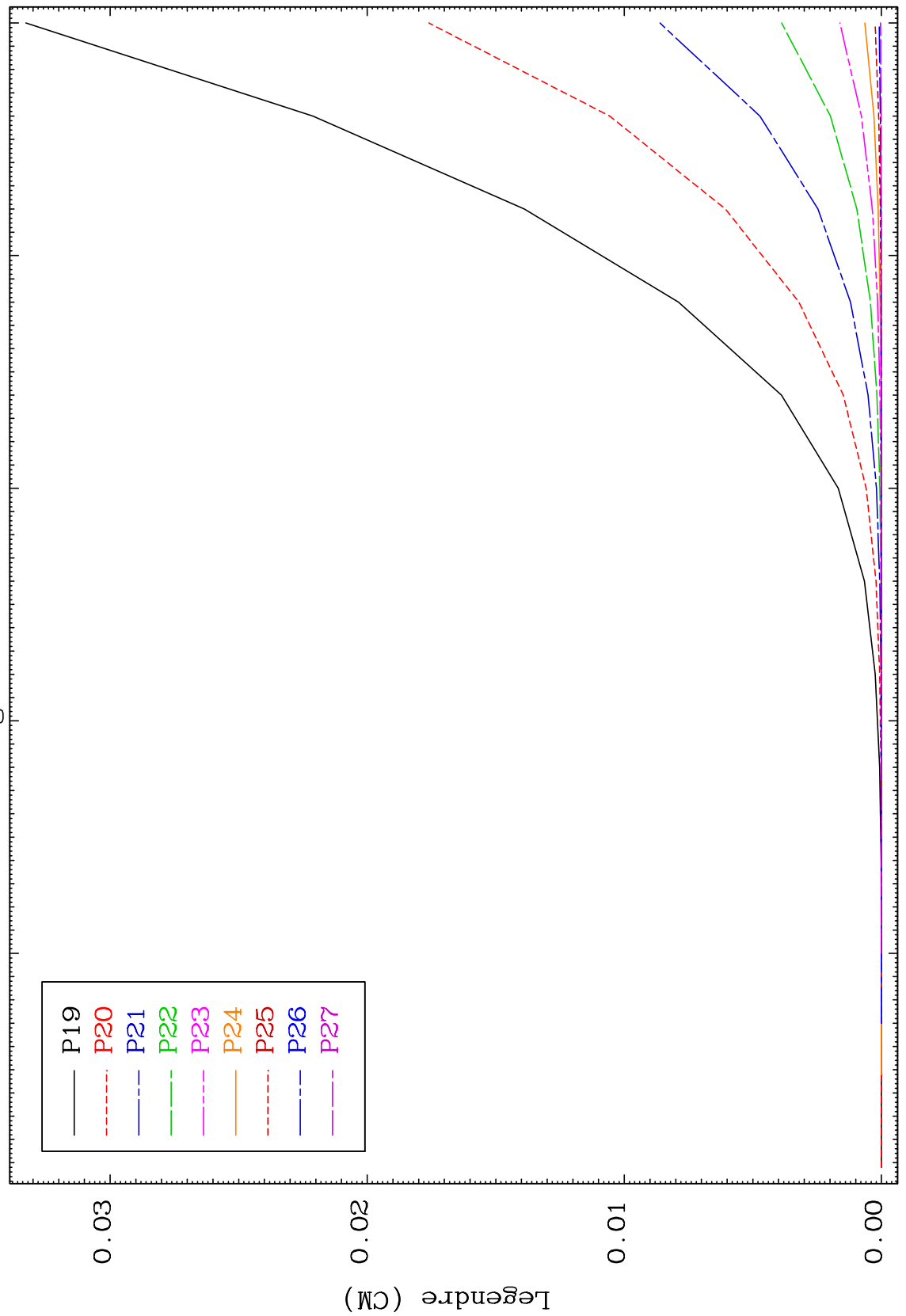




MAT 8510

Elastic Legendre Coefficients

85-At-198



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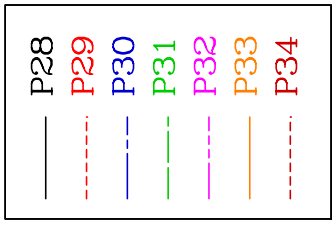
Incident Energy (MeV)

85-At-198

MAT 8510

Elastic
Legendre Coefficients

85-At-198



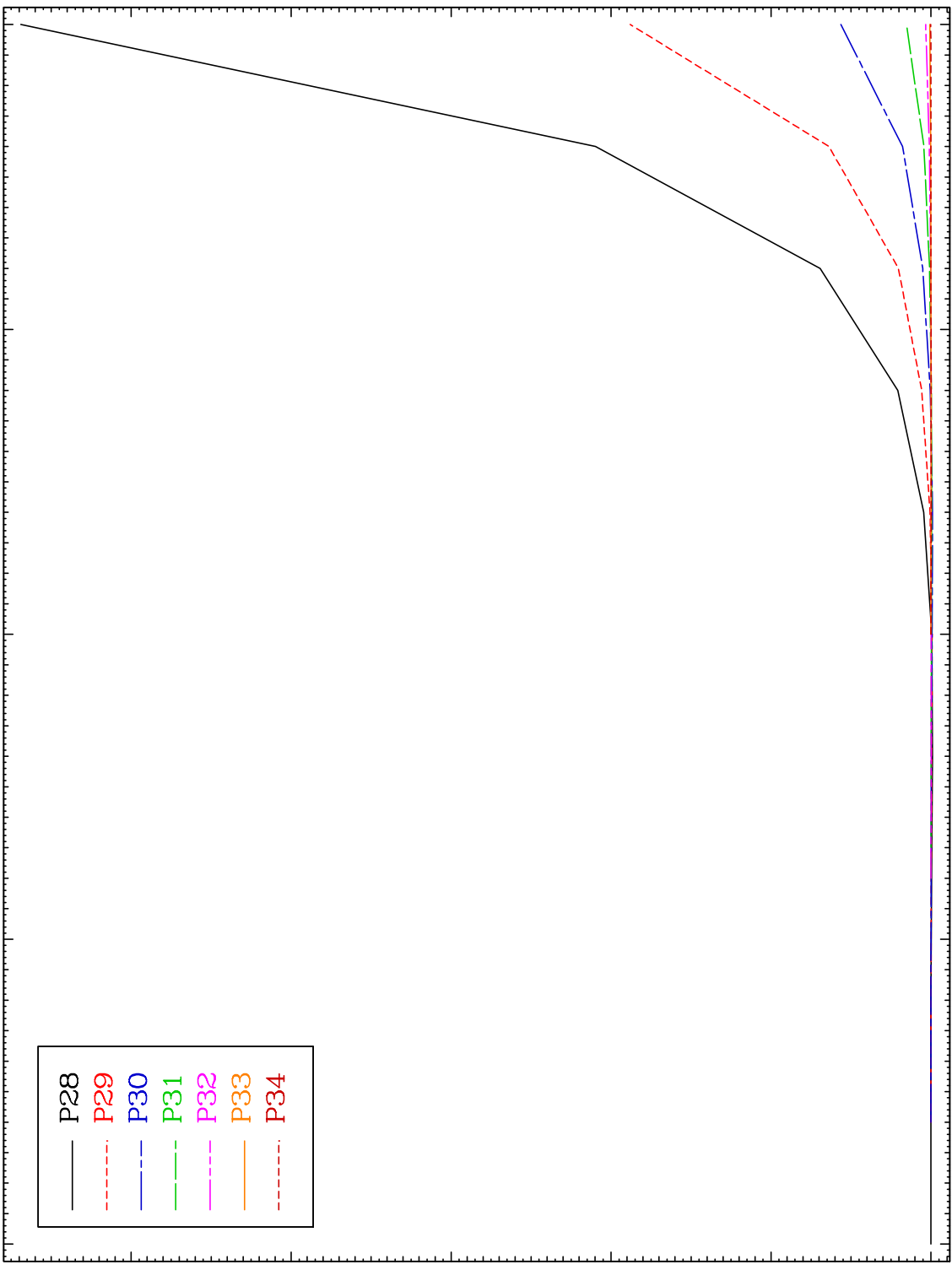
$\times 10^{-5}$
1.0
0.8
0.6
0.4
0.2
0.0

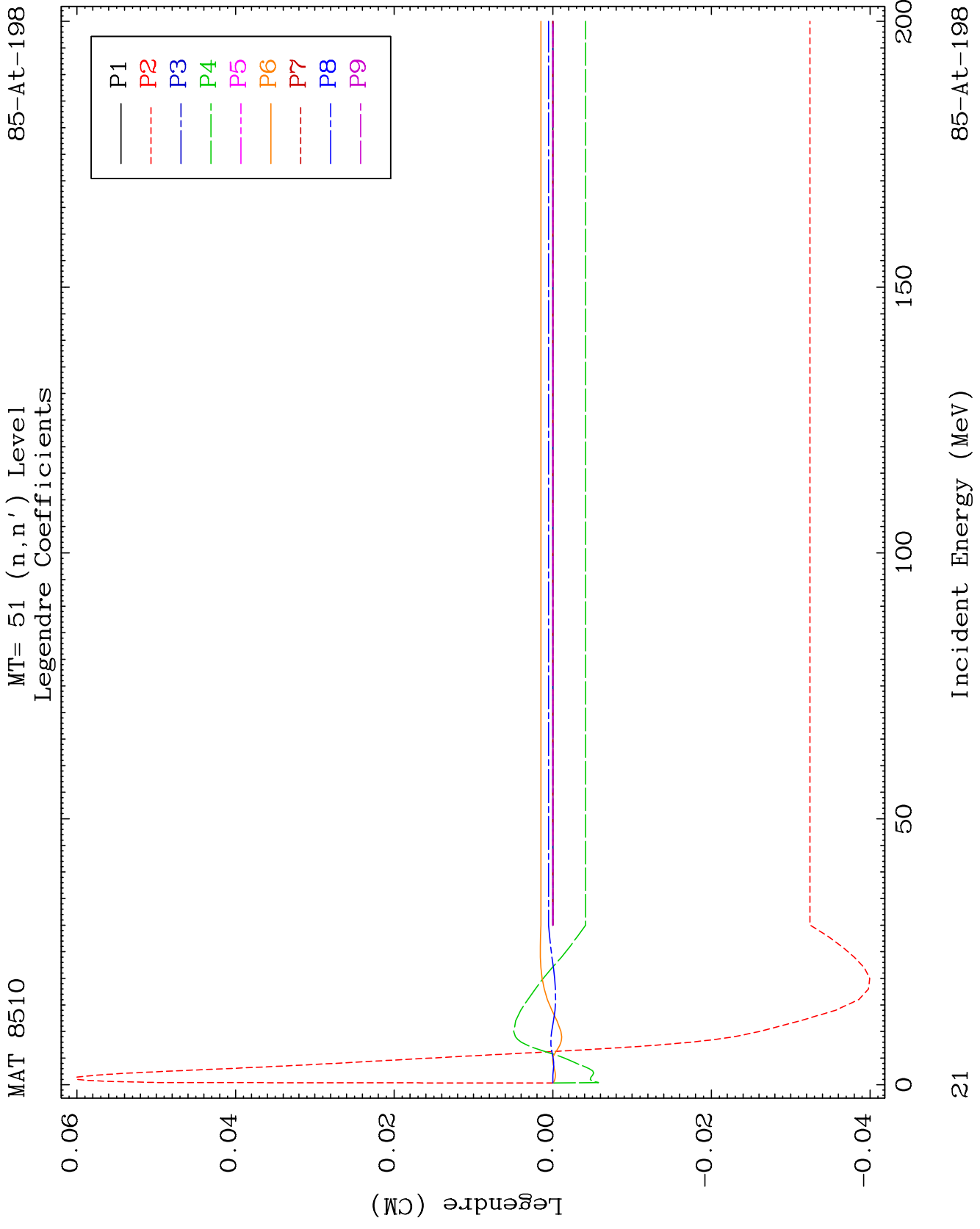
Legendre (CM)

10 15 20 25 30

Incident Energy (MeV)

85-At-198

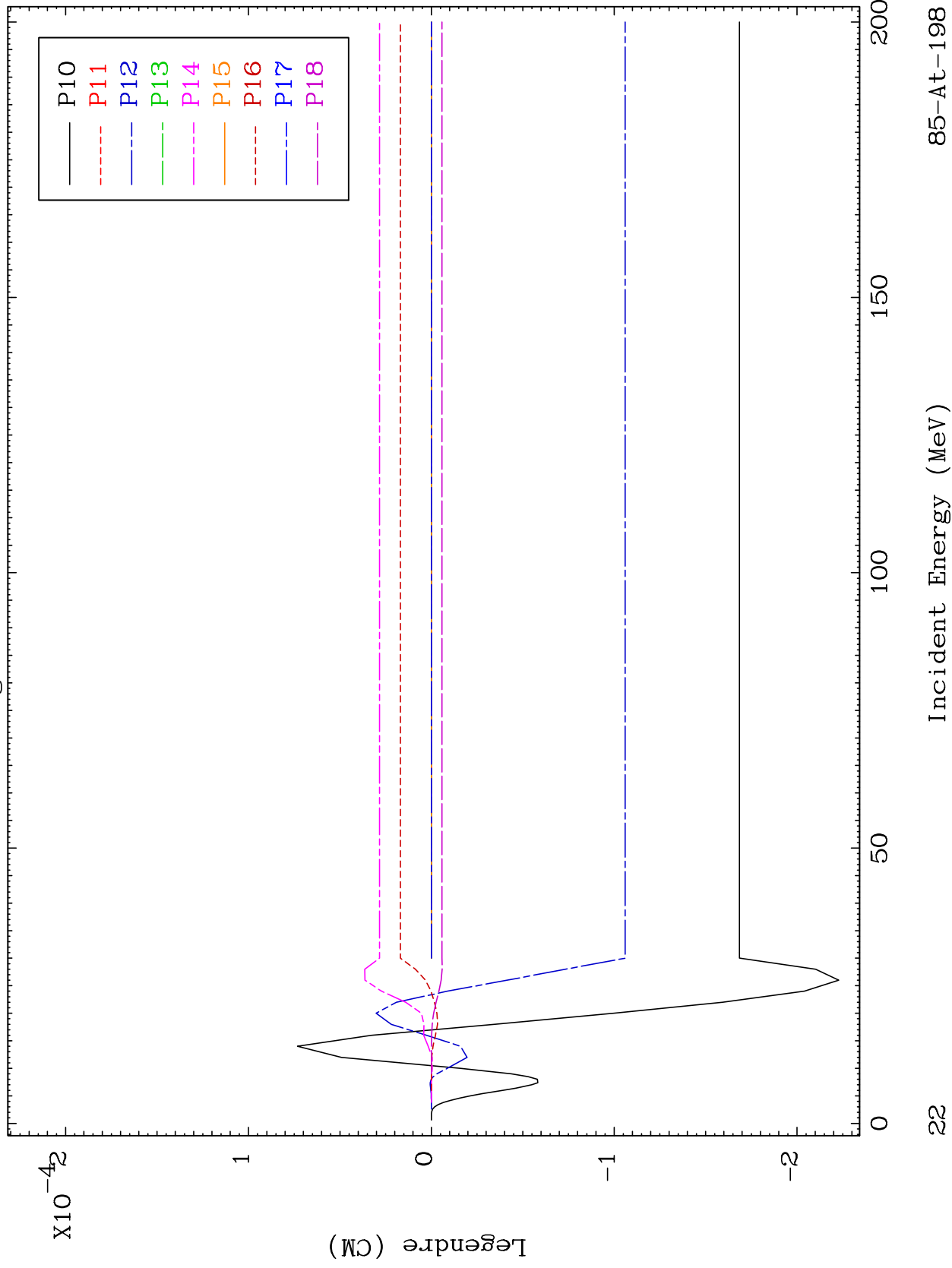




MAT 8510

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

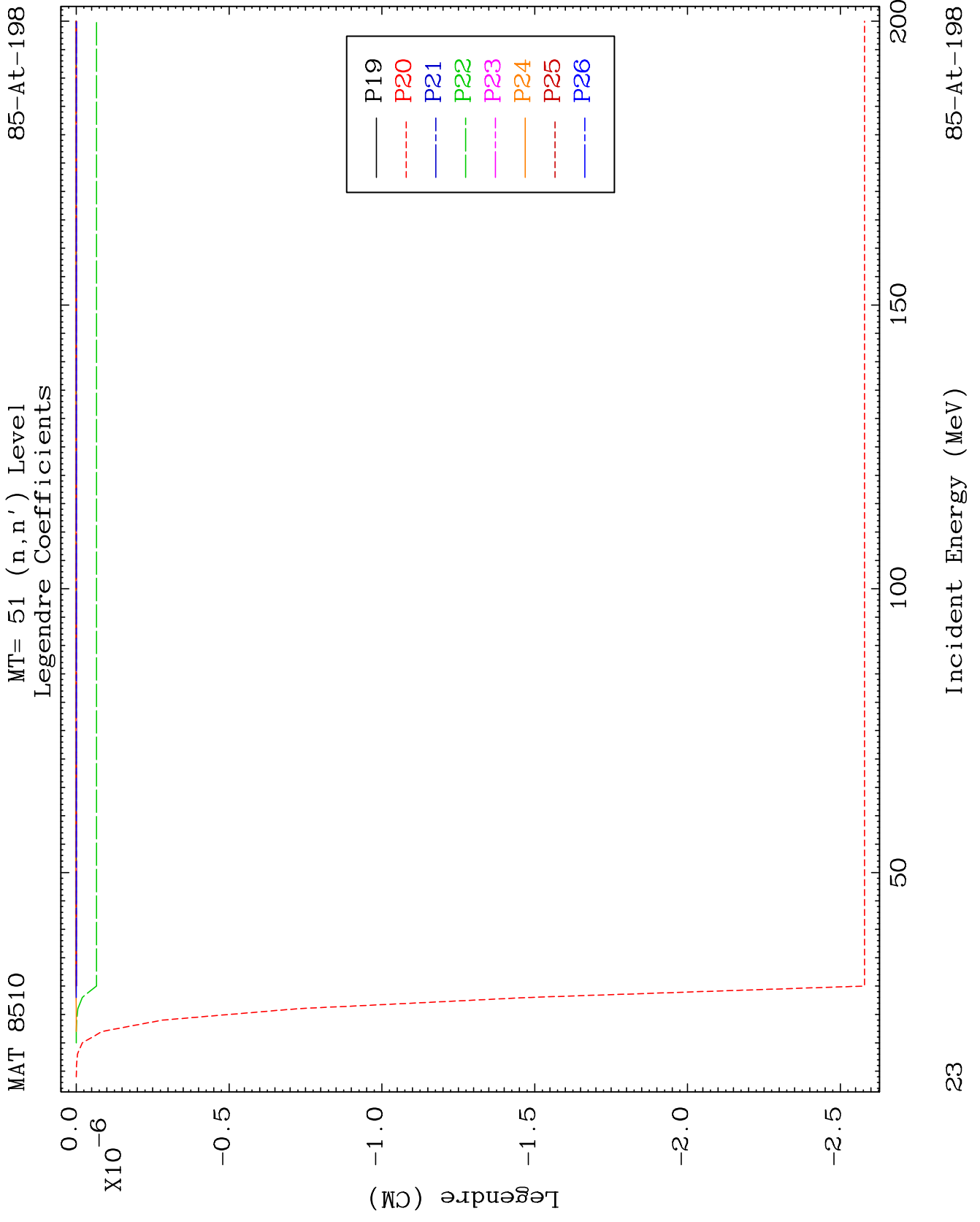
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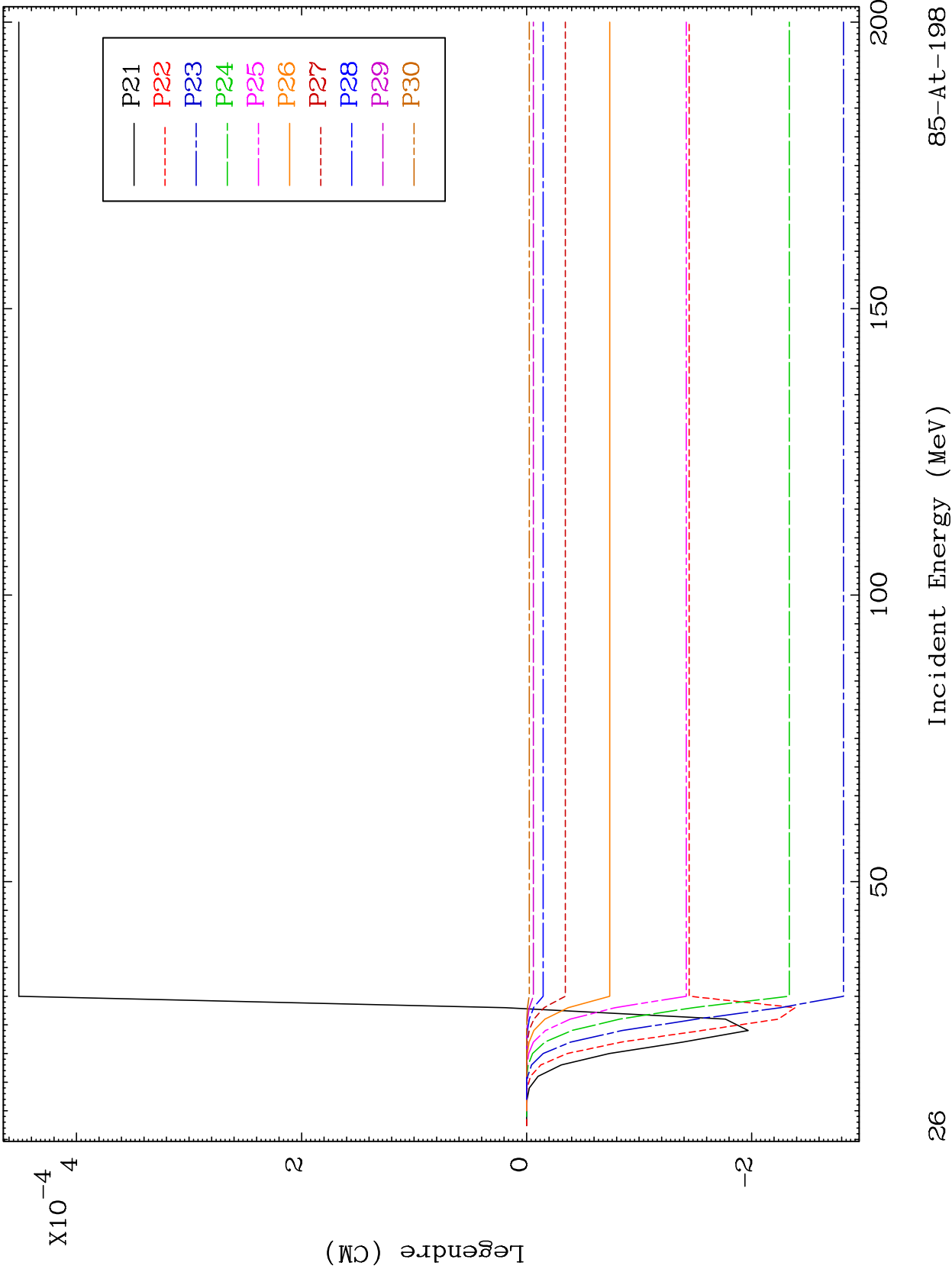


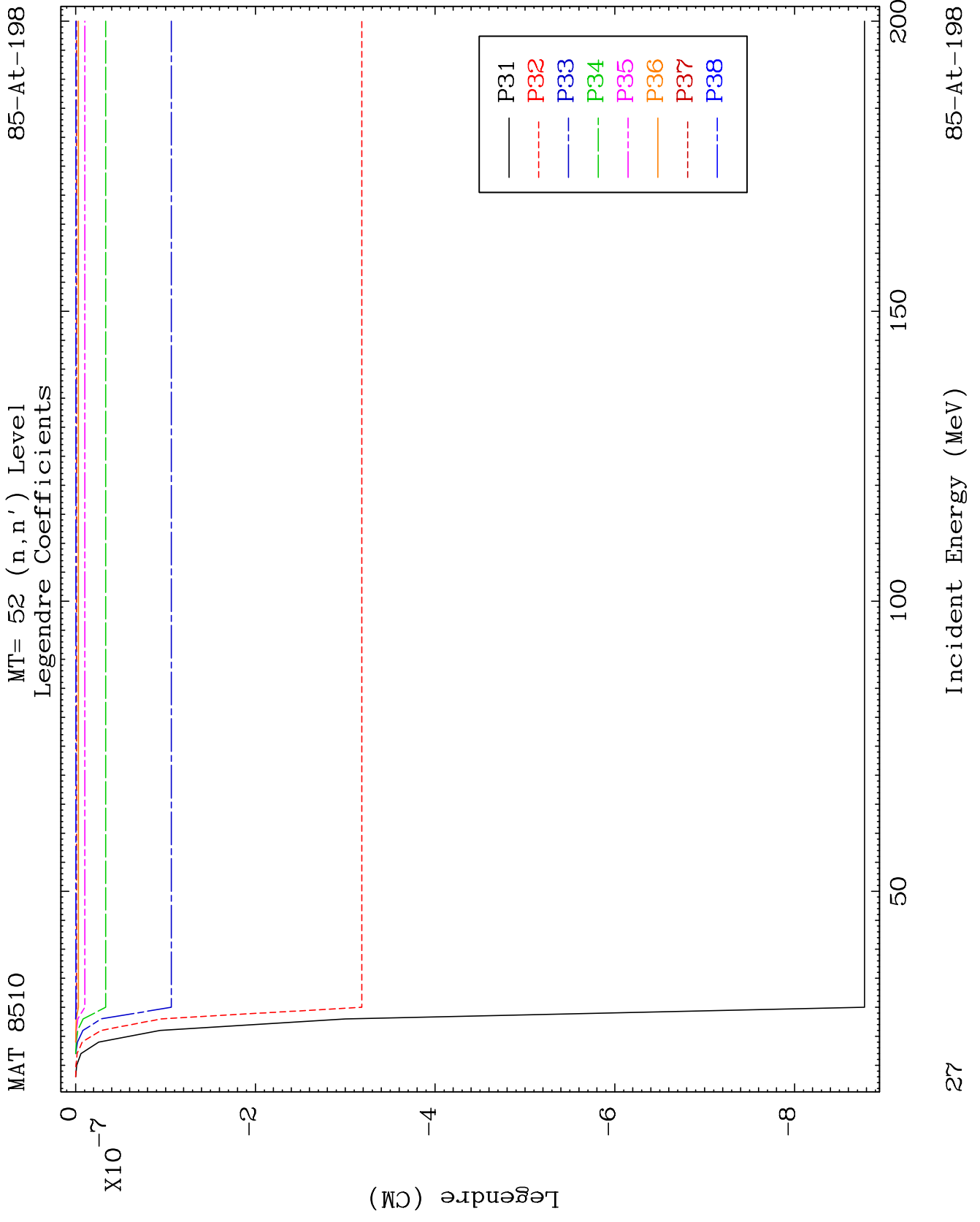
22

Incident Energy (MeV)

85-At-198





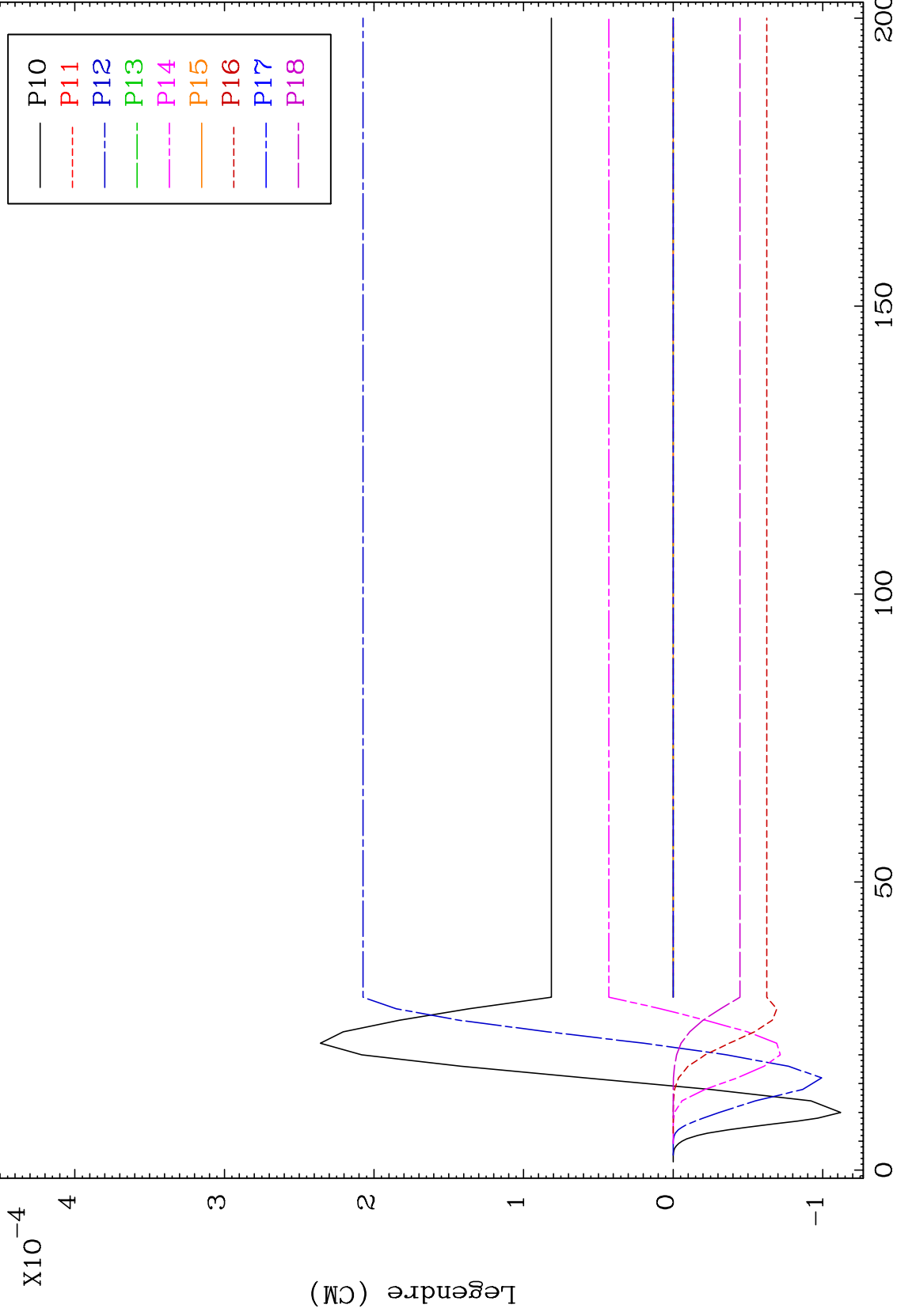


MAT 8510

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

85-At-198

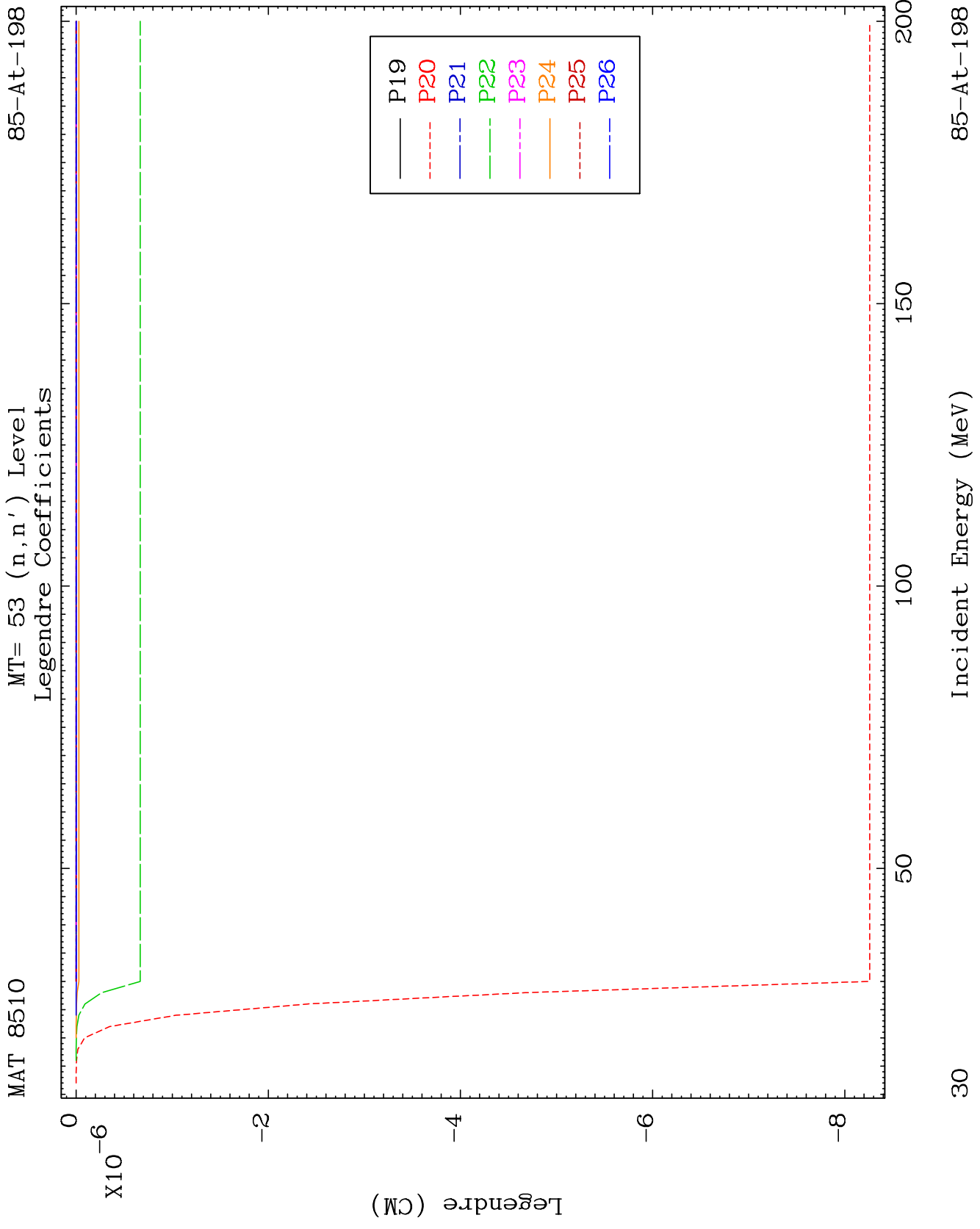
$\times 10^{-4}$



29

Incident Energy (MeV)

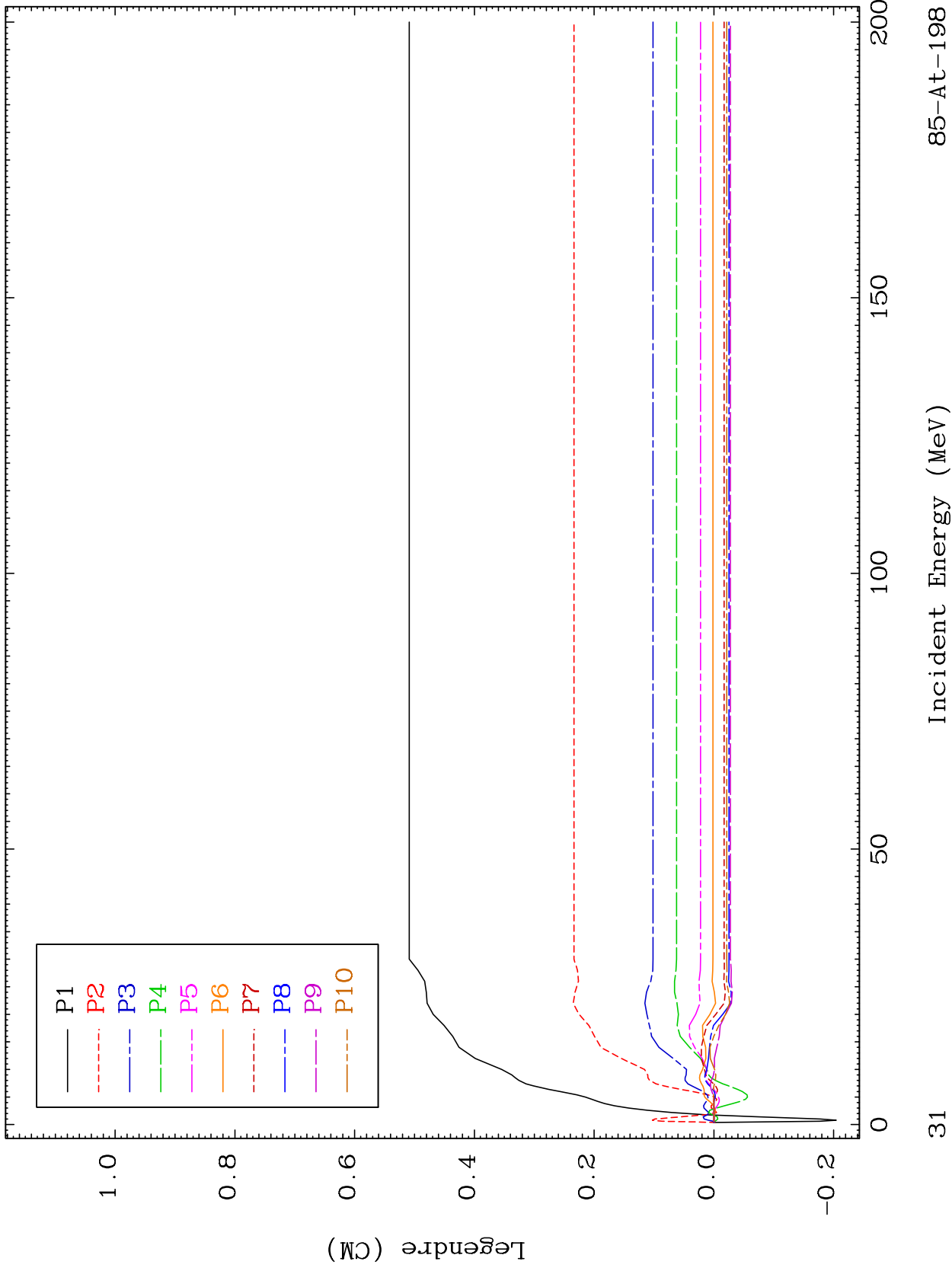
85-At-198



MAT 8510

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

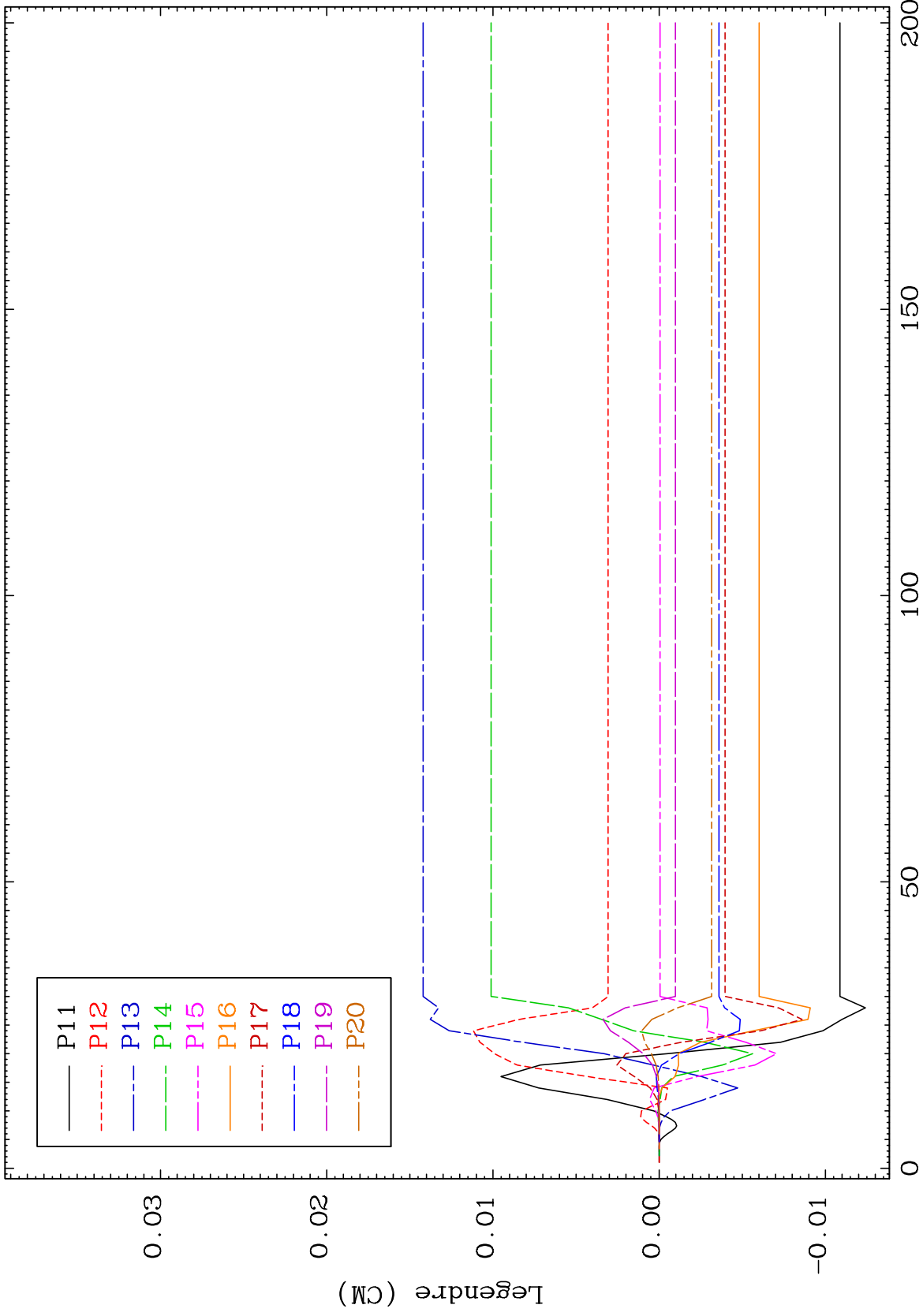
85-At-198



MAT 8510

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

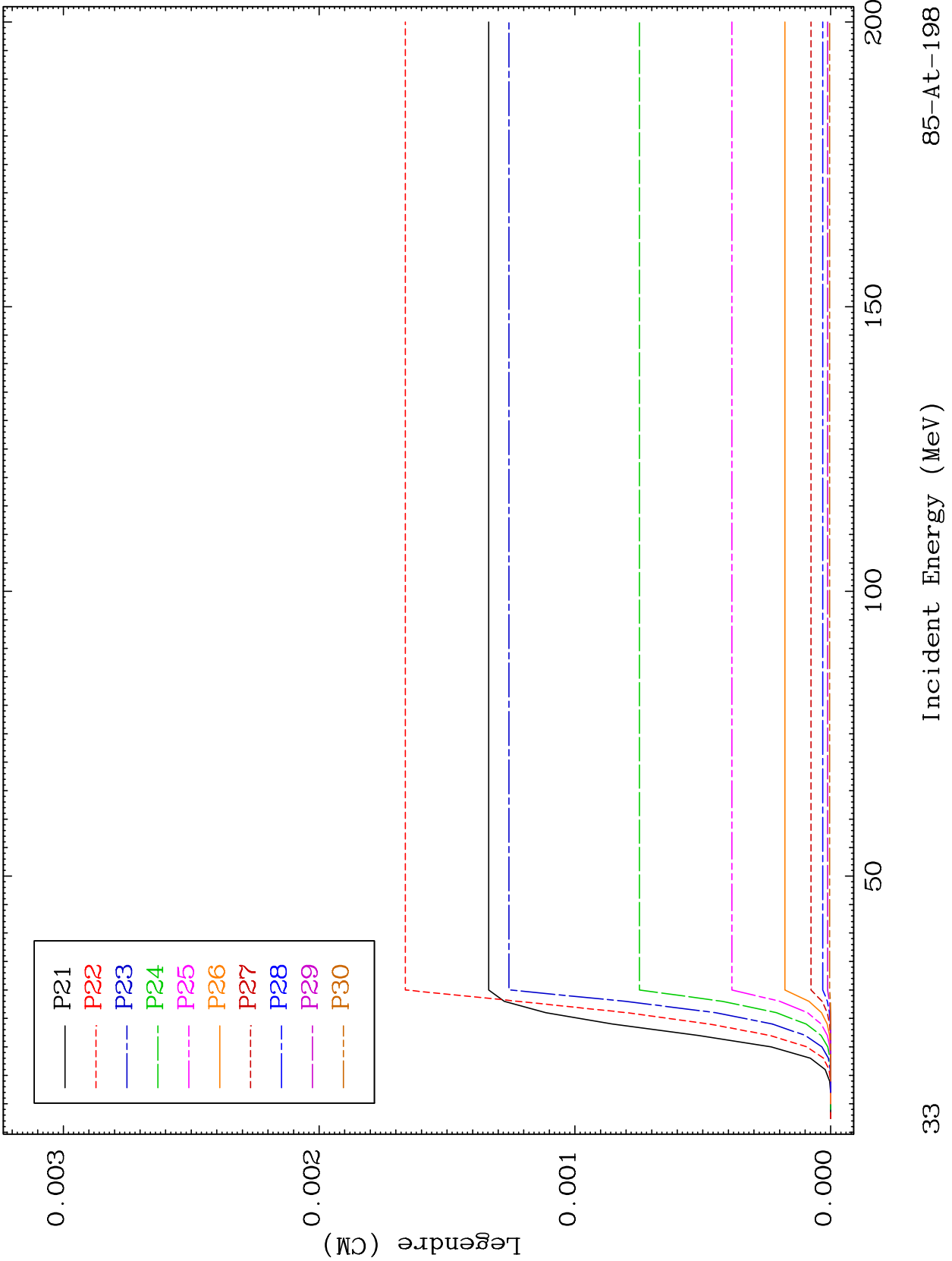
85-At-198



32

Incident Energy (MeV)

85-At-198



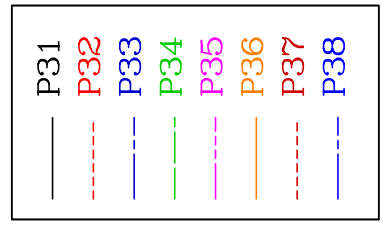
MAT 8510

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

85-At-198

$\times 10^{-6}$
1.5

Legendre (CM)



0.0

50

100

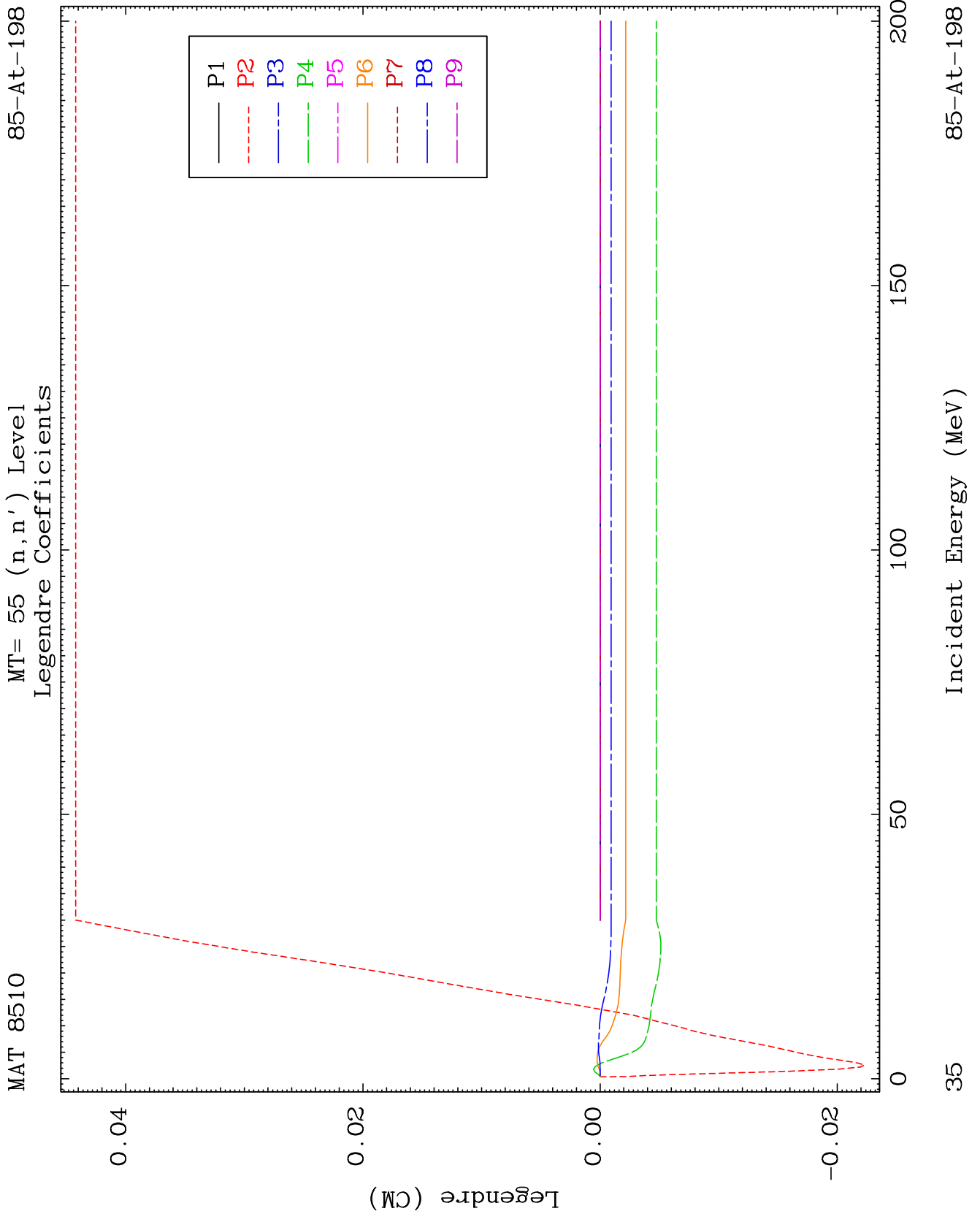
150

200

34

Incident Energy (MeV)

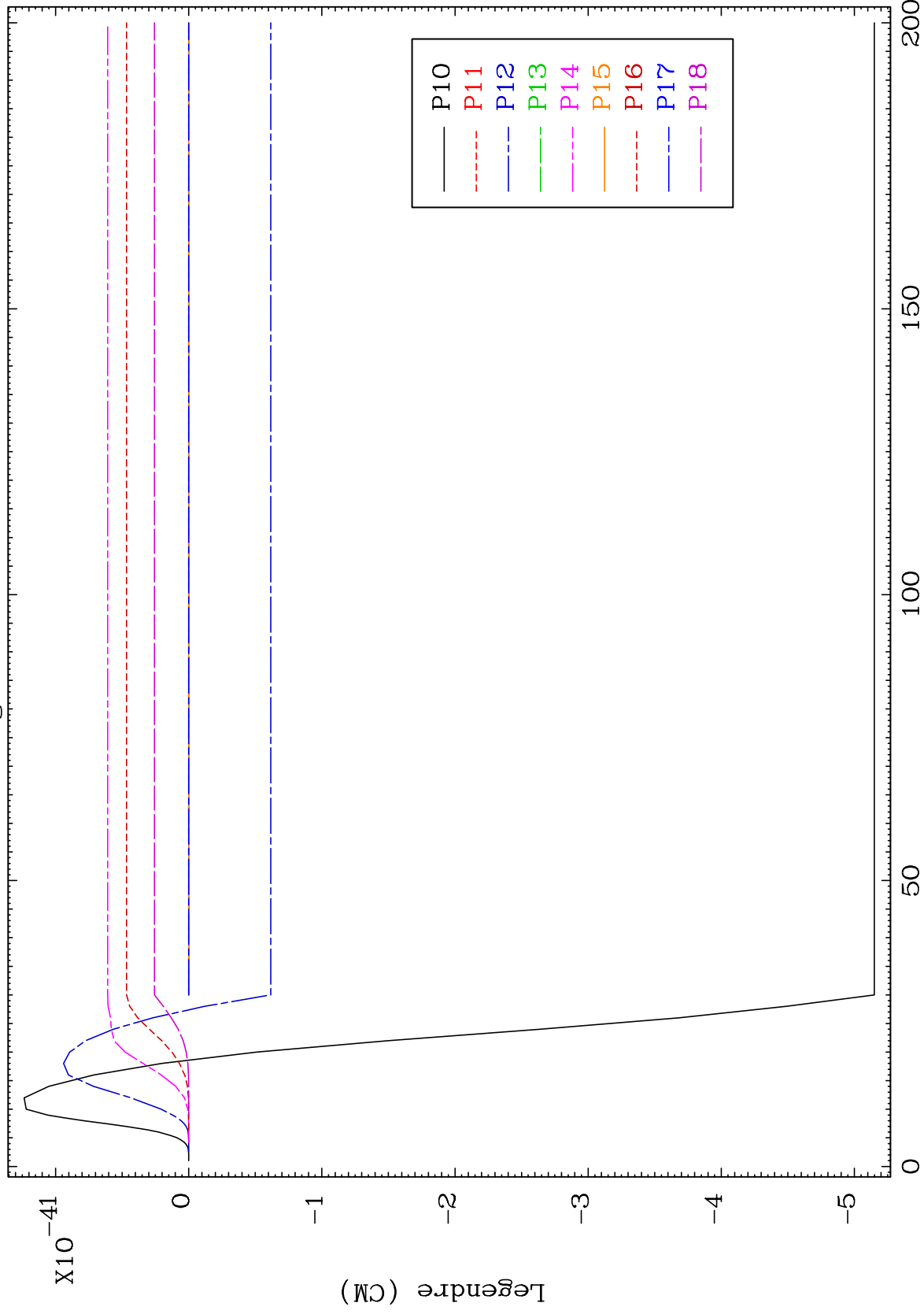
85-At-198



MAT 8510

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

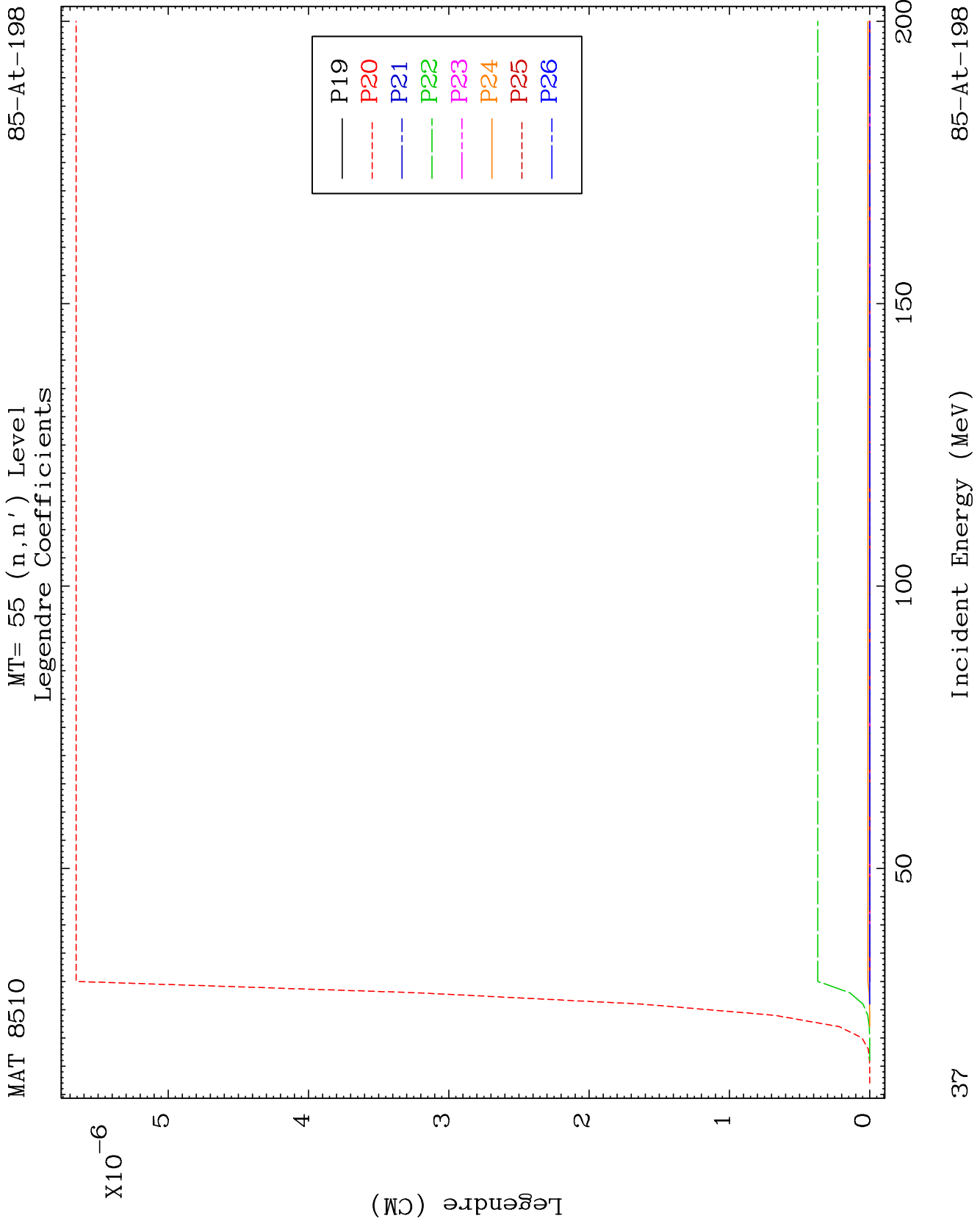
85-At-198



36

Incident Energy (MeV)

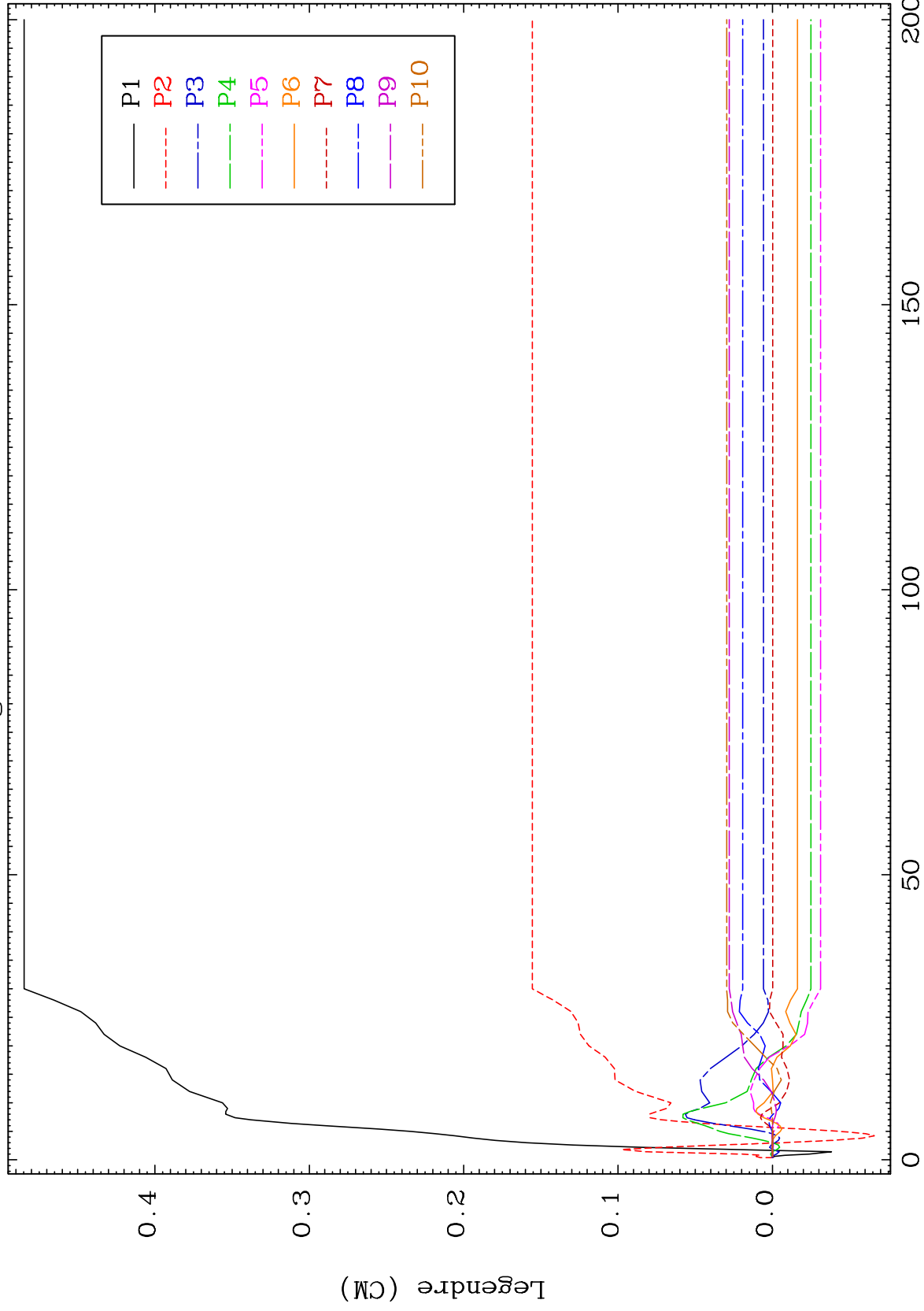
85-At-198



MAT 8510

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

85-At-198



38

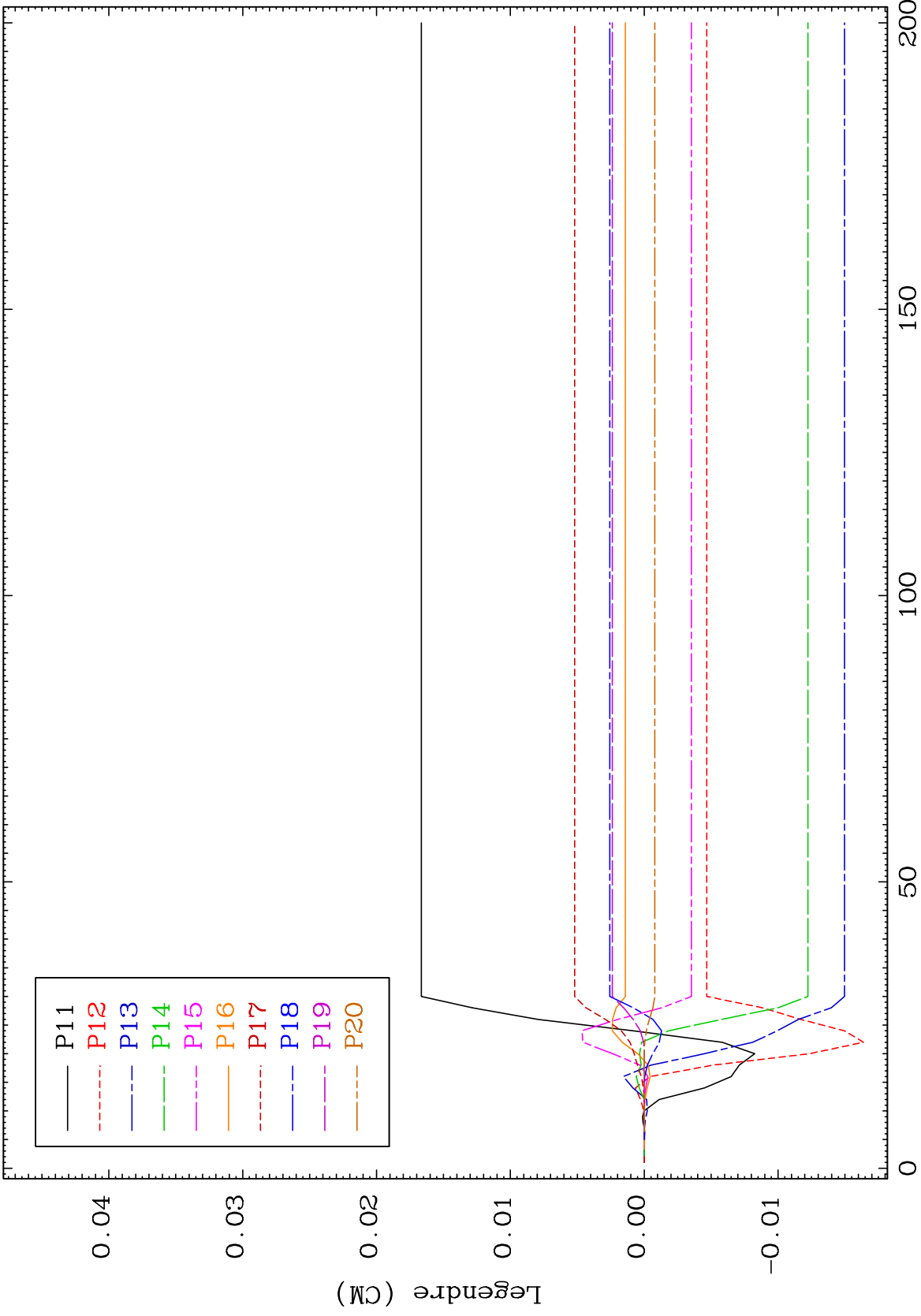
Incident Energy (MeV)

85-At-198

MAT 8510

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

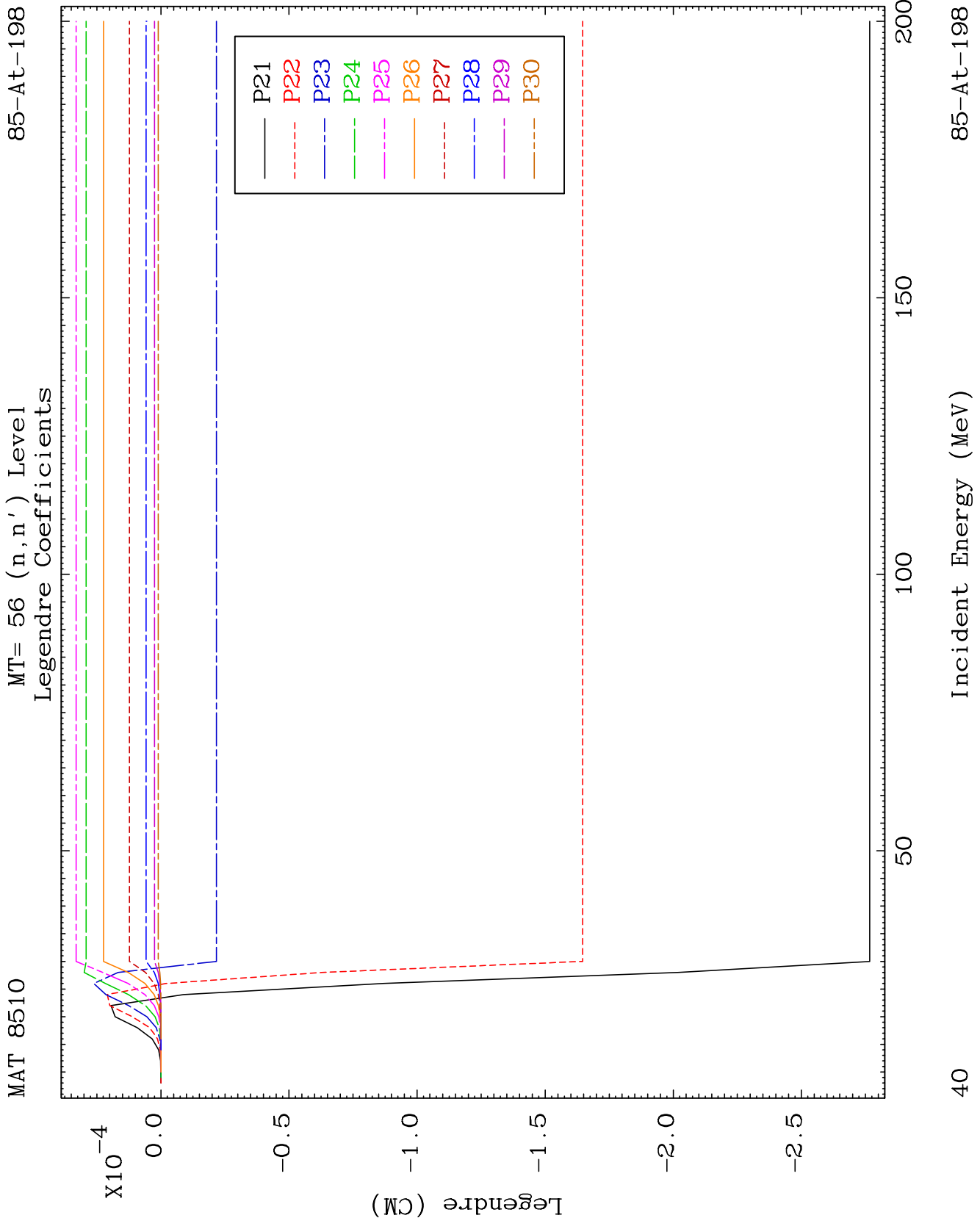
85-At-198



39

Incident Energy (MeV)

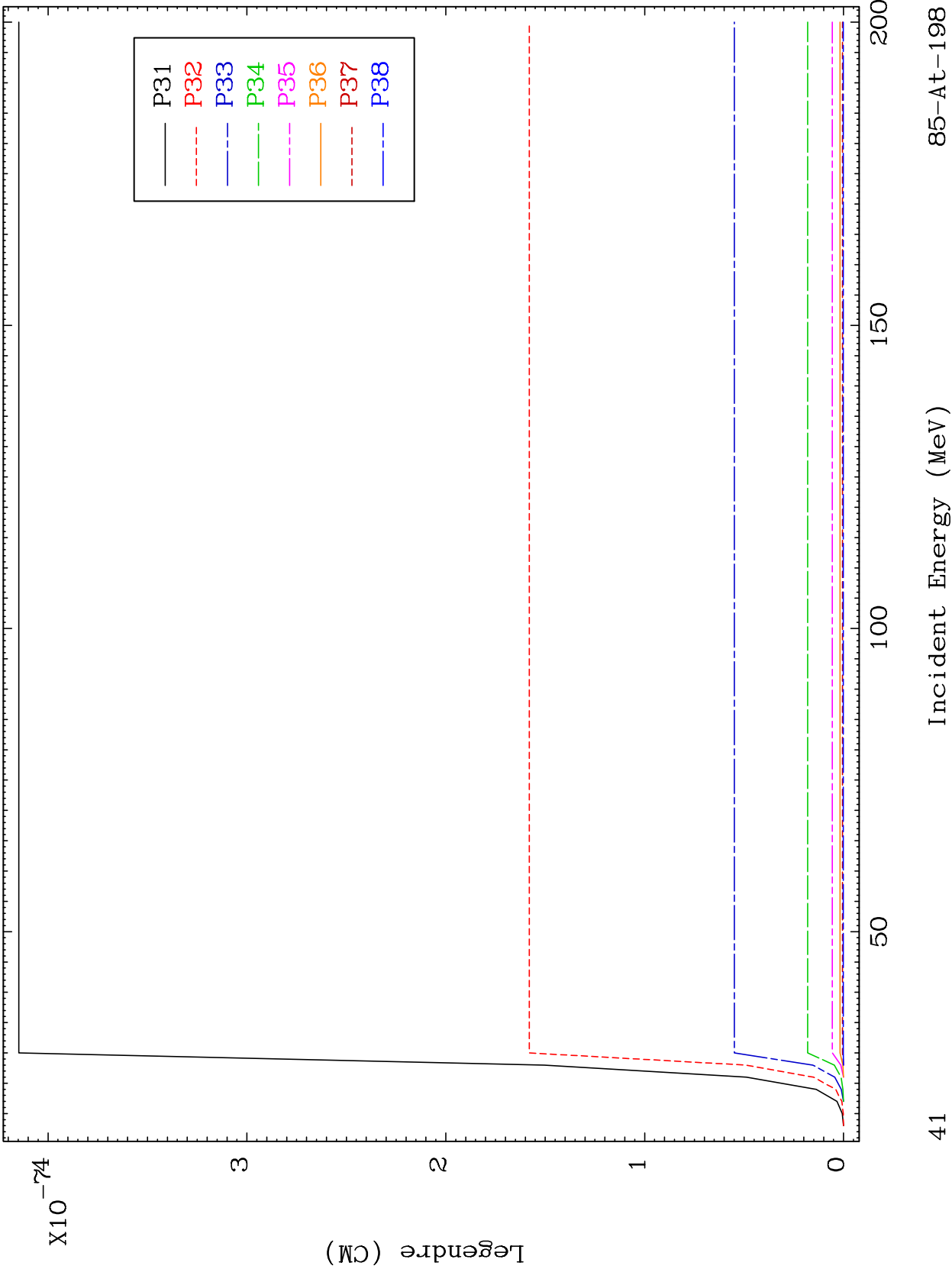
85-At-198



MAT 8510

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

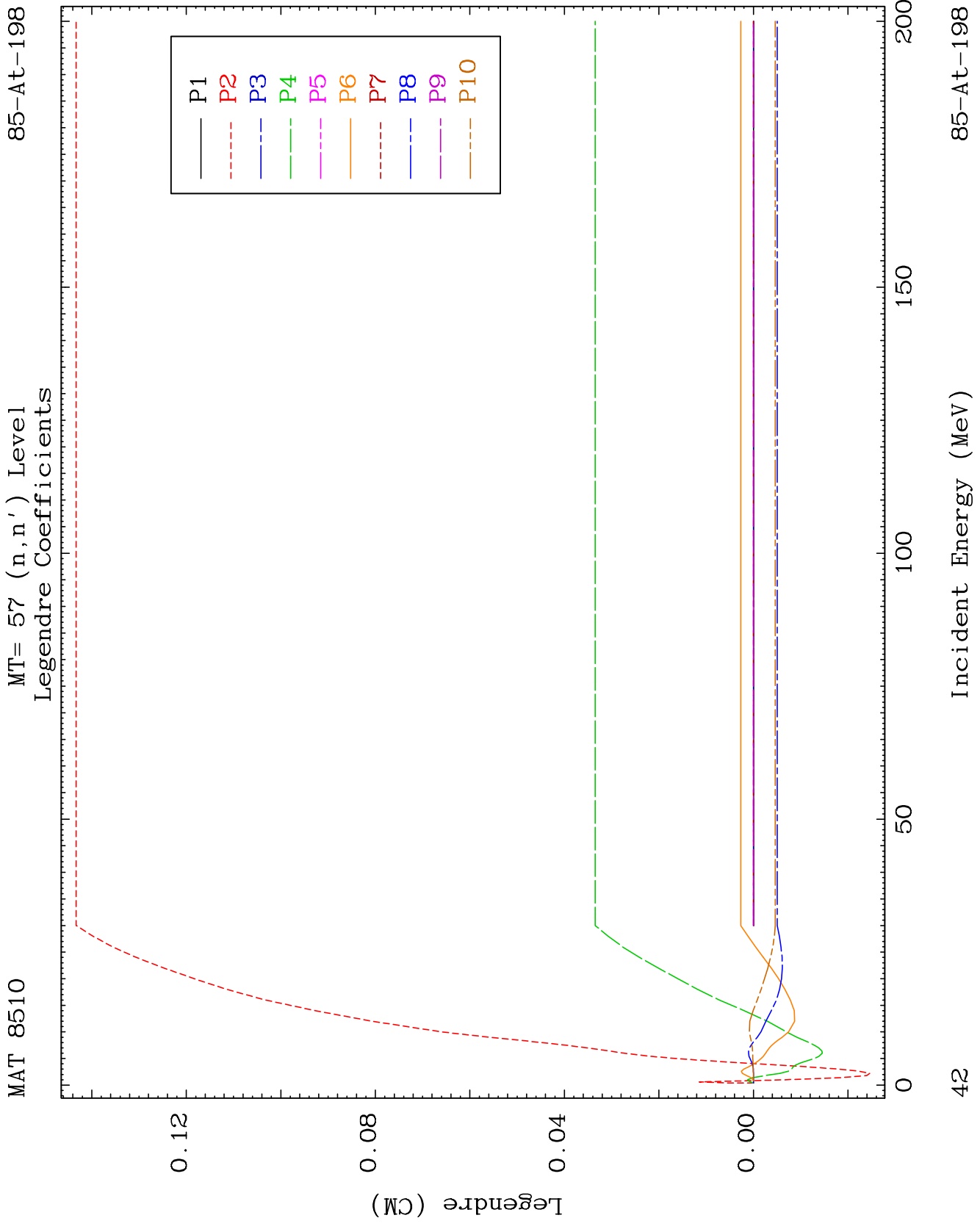
85-At-198



41

Incident Energy (MeV)

85-At-198



85-At-198

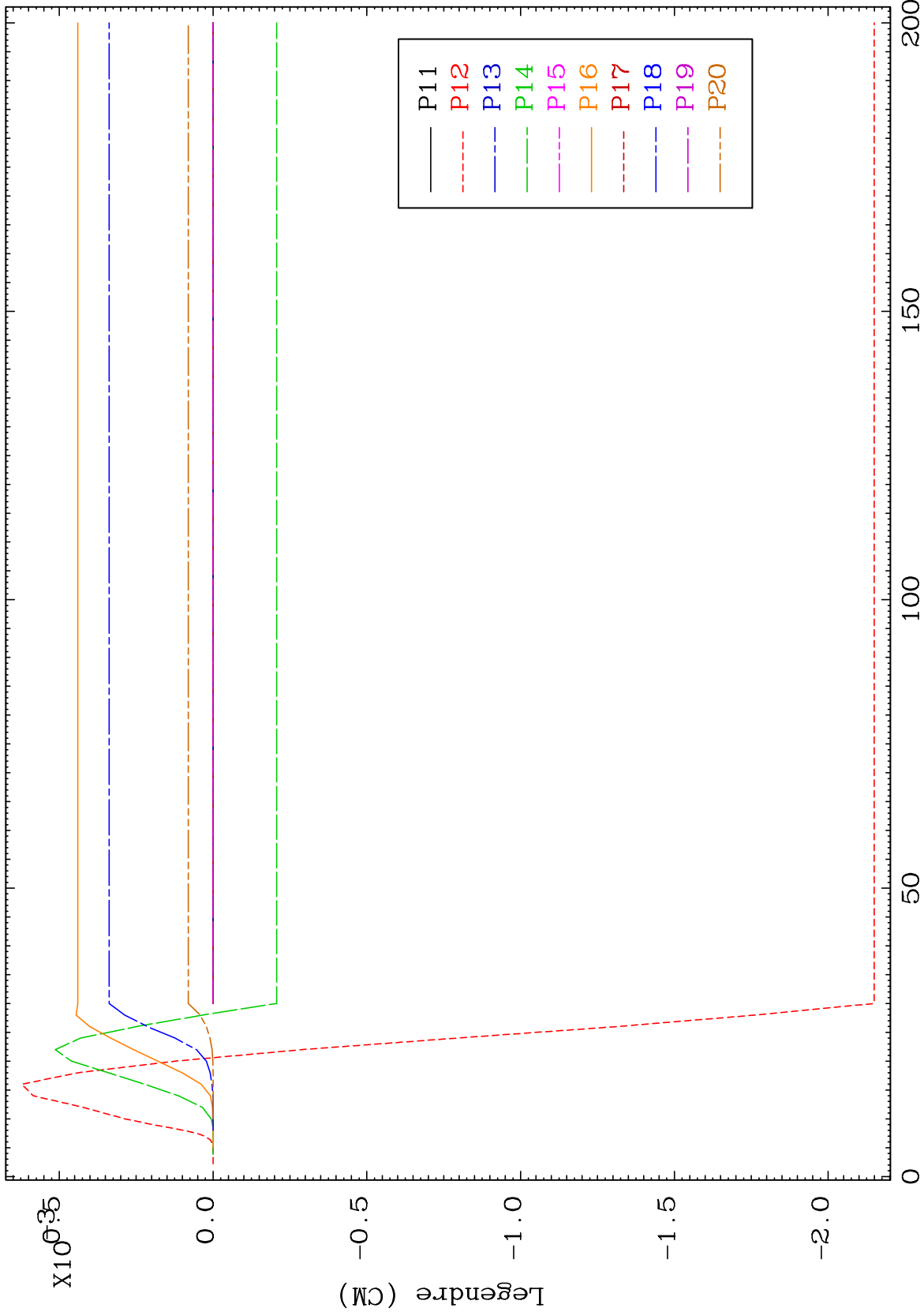
Incident Energy (MeV)

42

MAT 8510

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

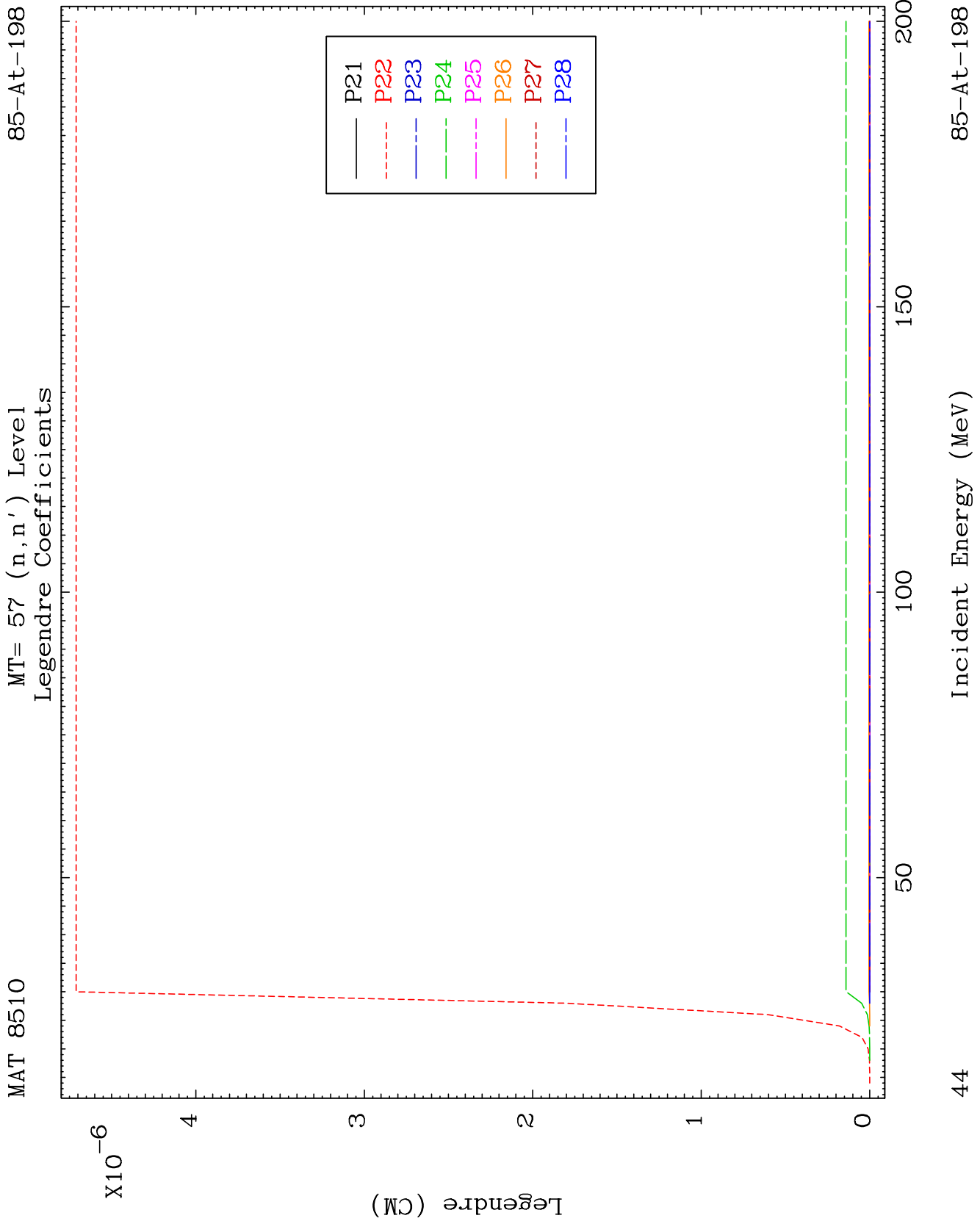
85-At-198

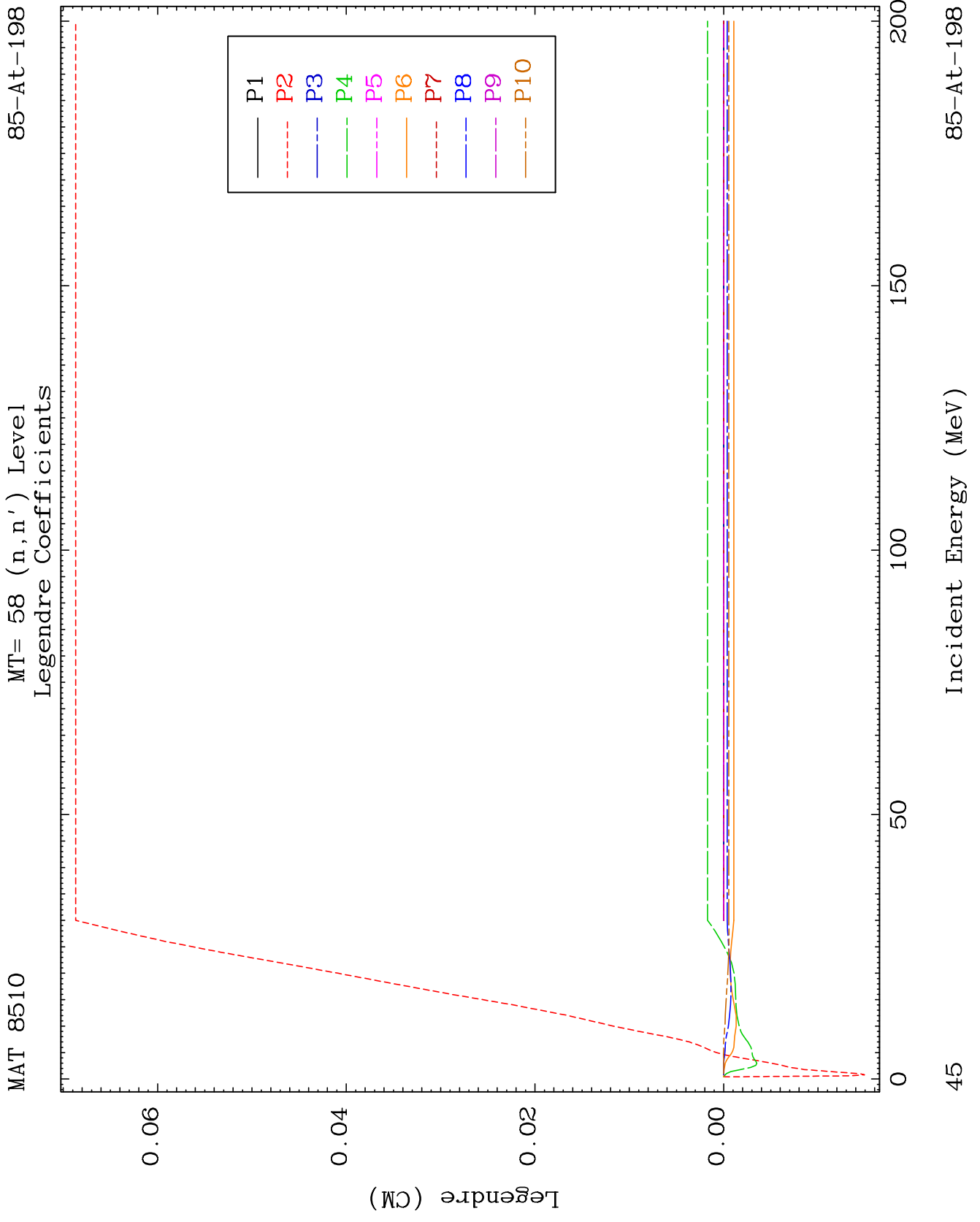


43

Incident Energy (MeV)

85-At-198



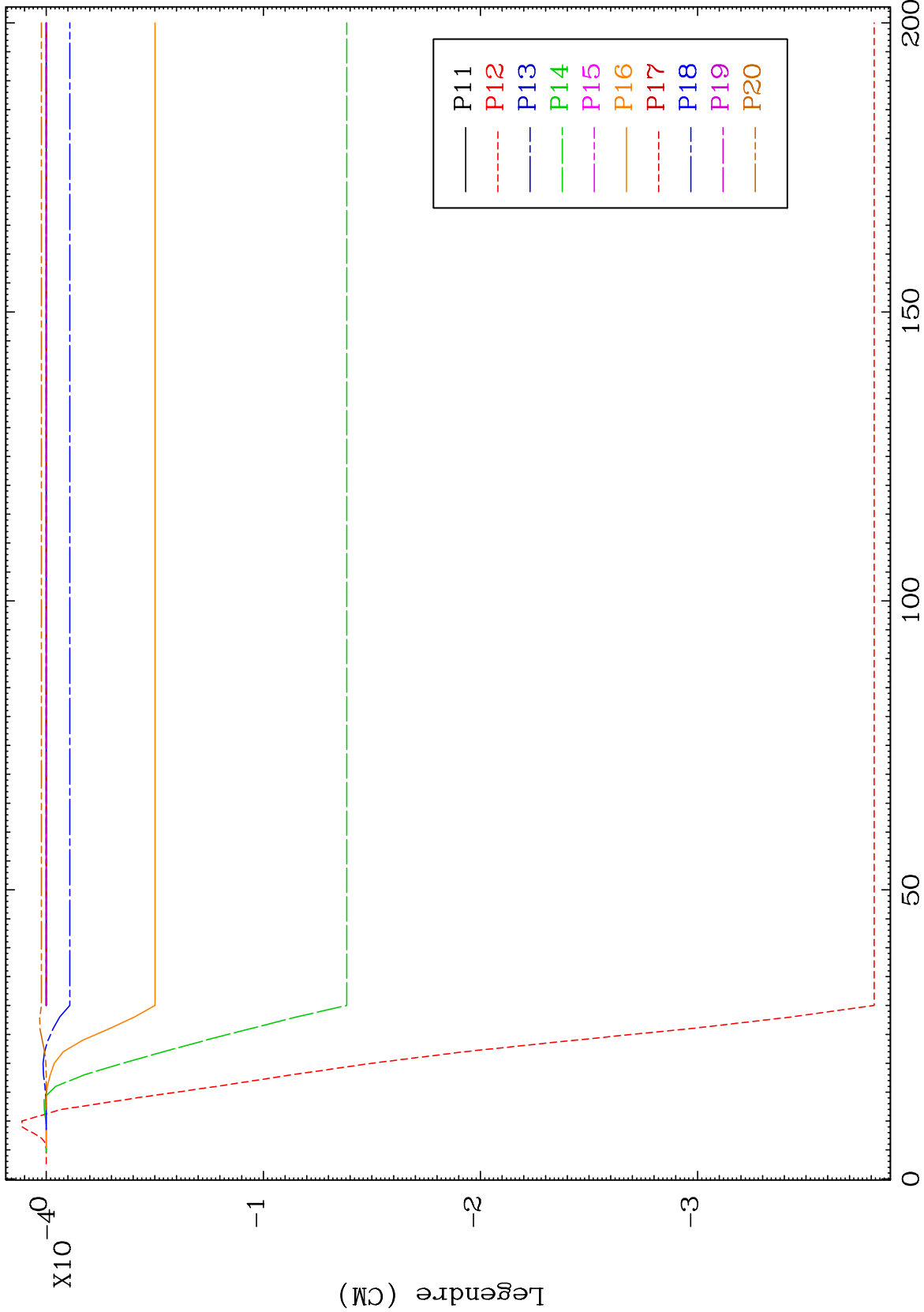


MAT 8510

MT= 58 (n,n') Level

85-At-198

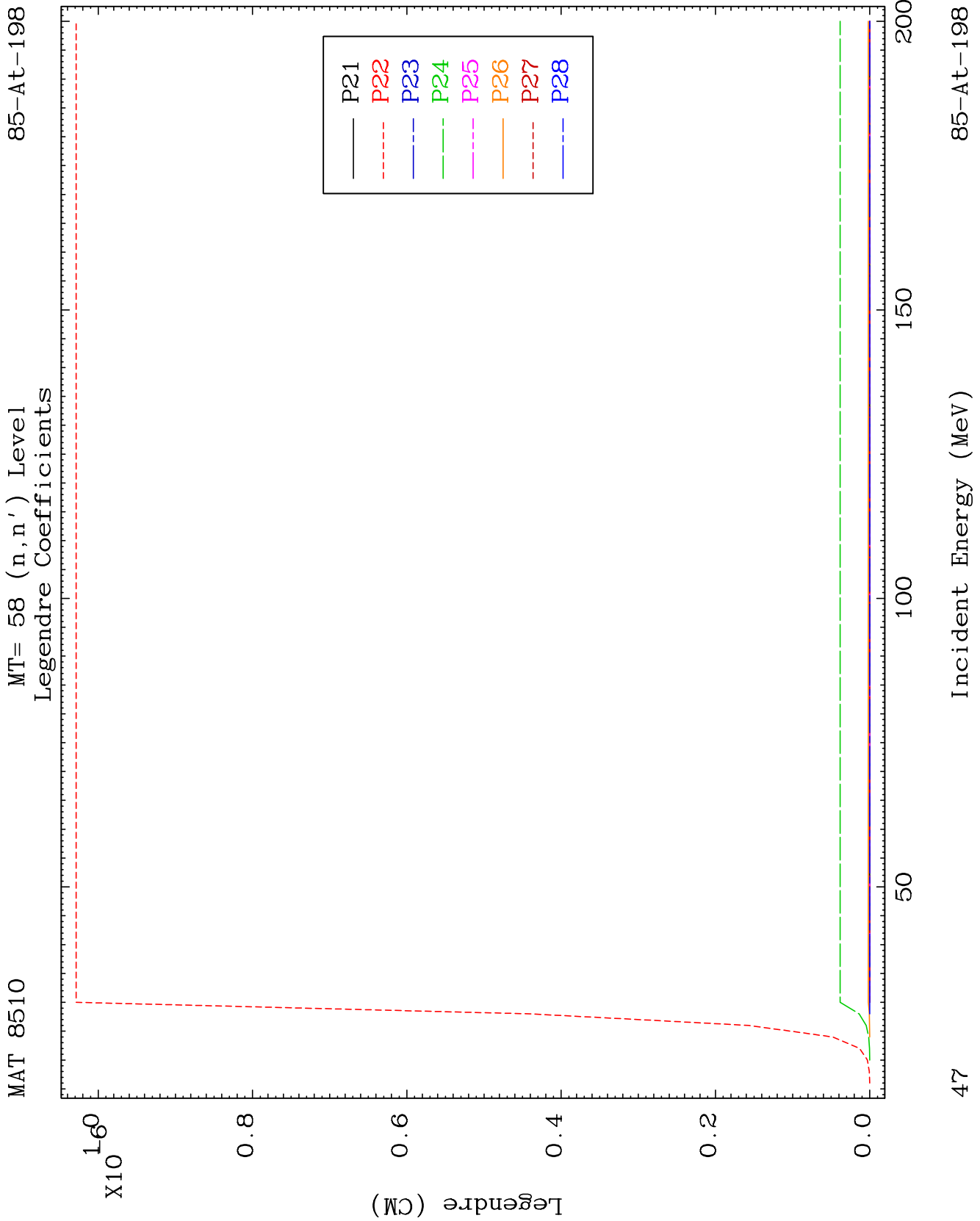
Legendre Coefficients



46

Incident Energy (MeV)

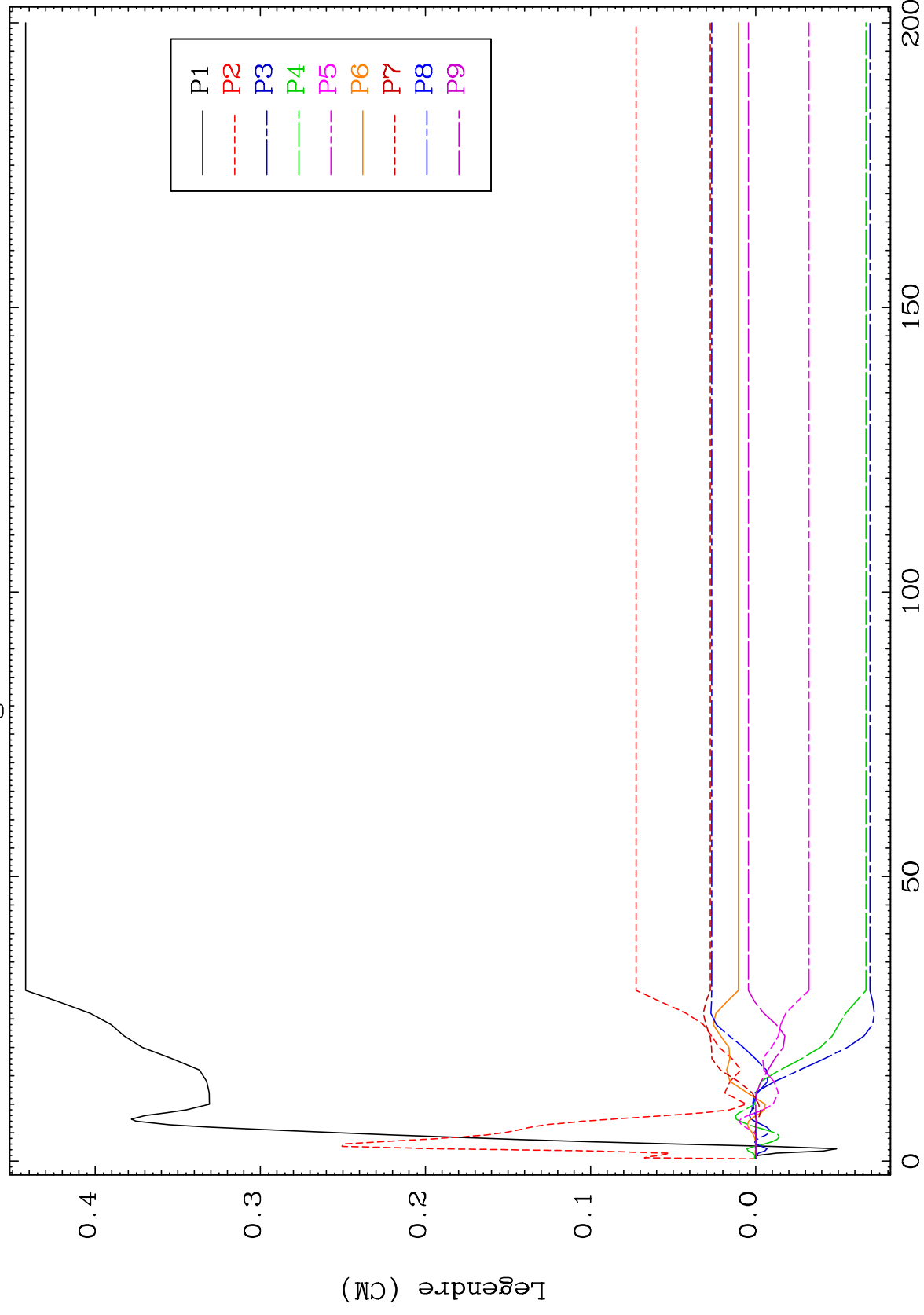
85-At-198



MAT 8510

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

85-At-198



48

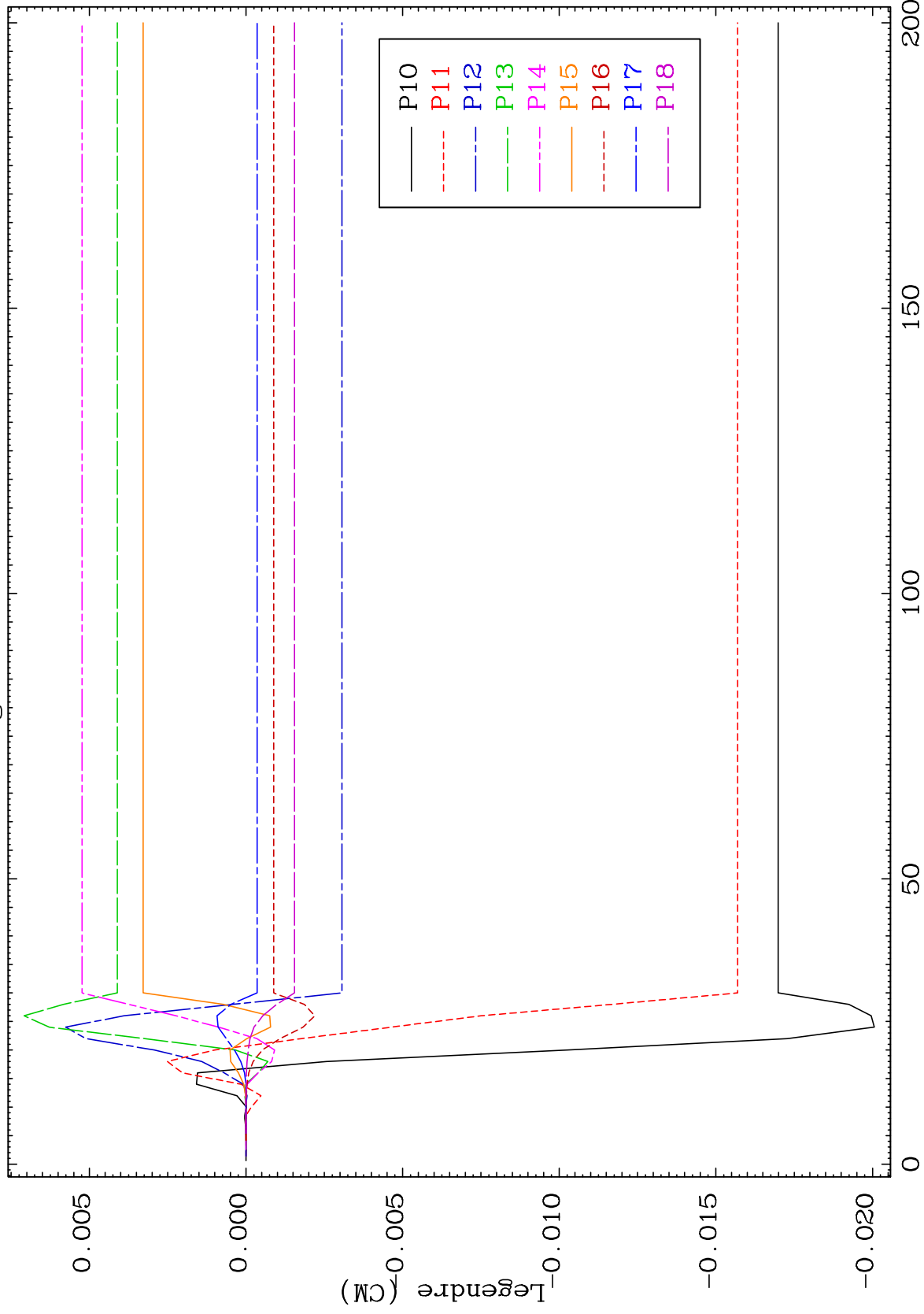
Incident Energy (MeV)

85-At-198

MAT 8510

85-At-198

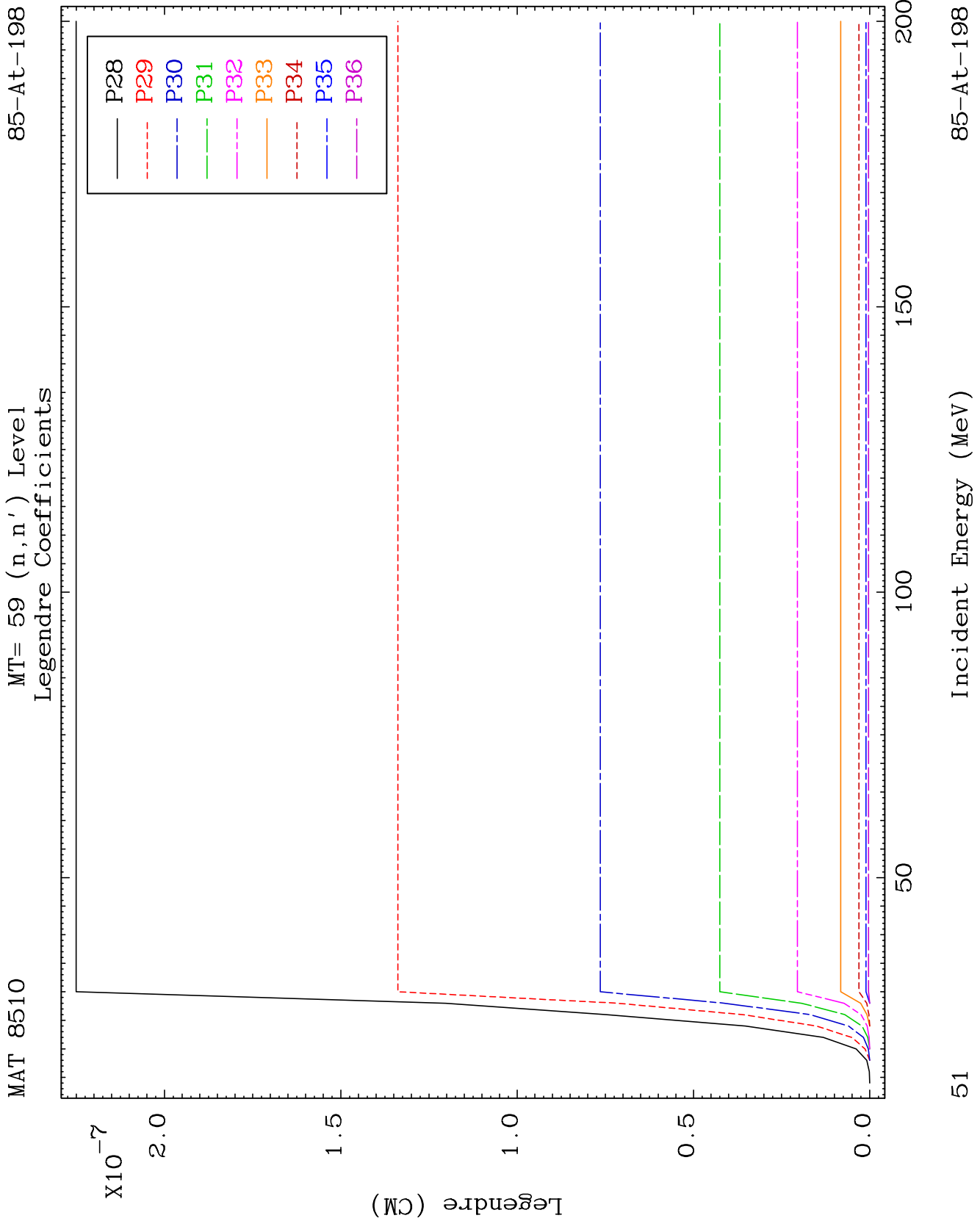
MT= 59 (n,n') Level
Legendre Coefficients

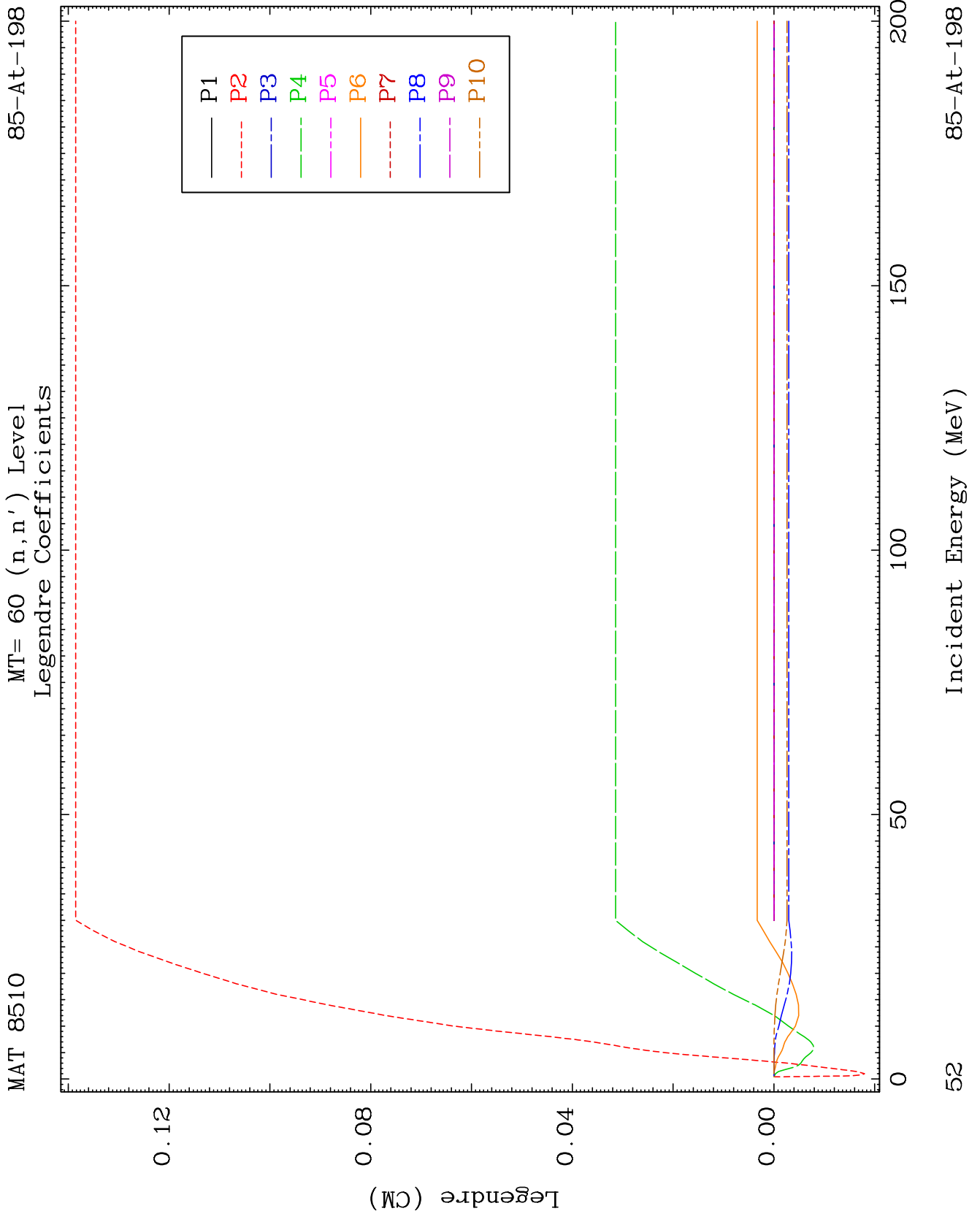


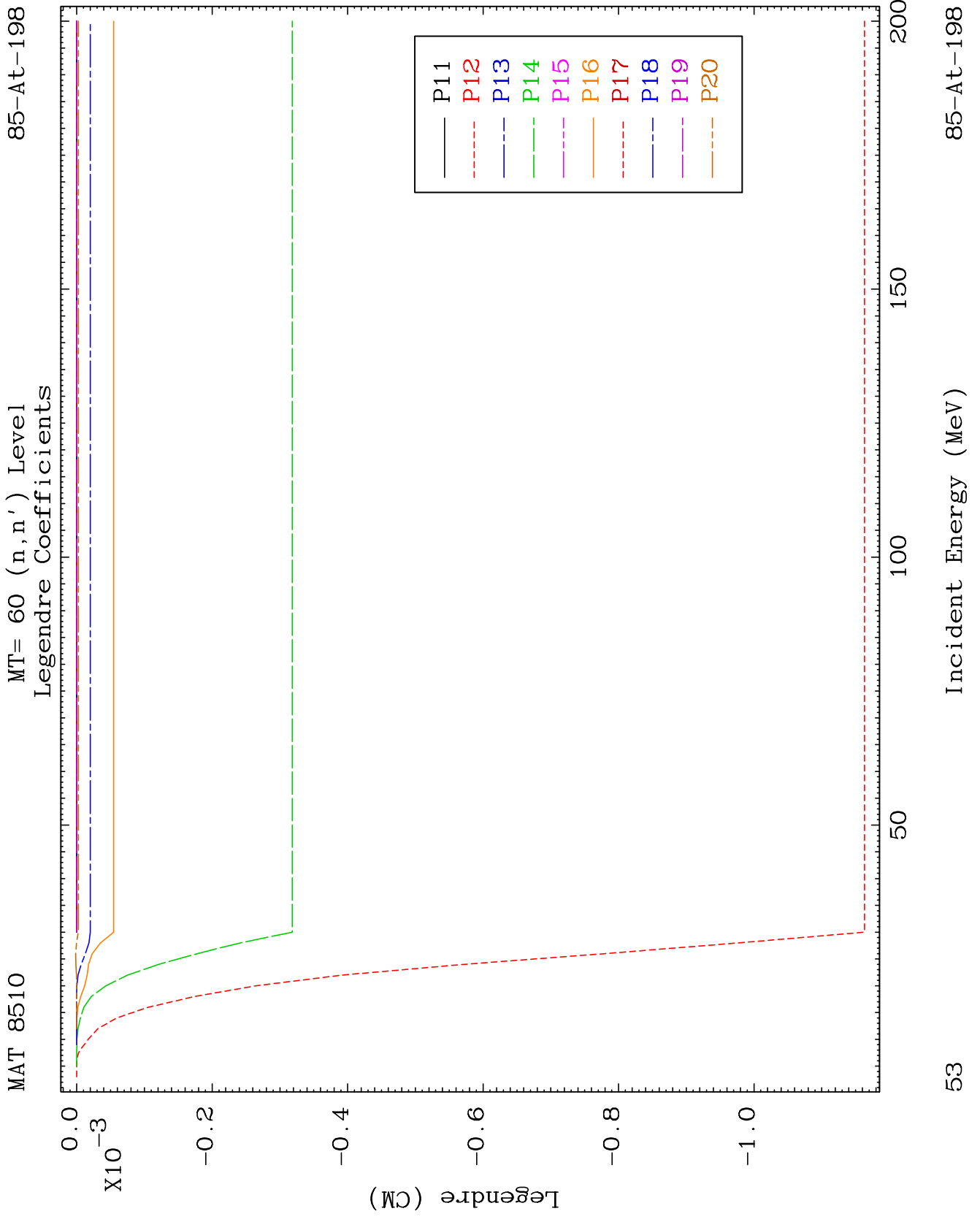
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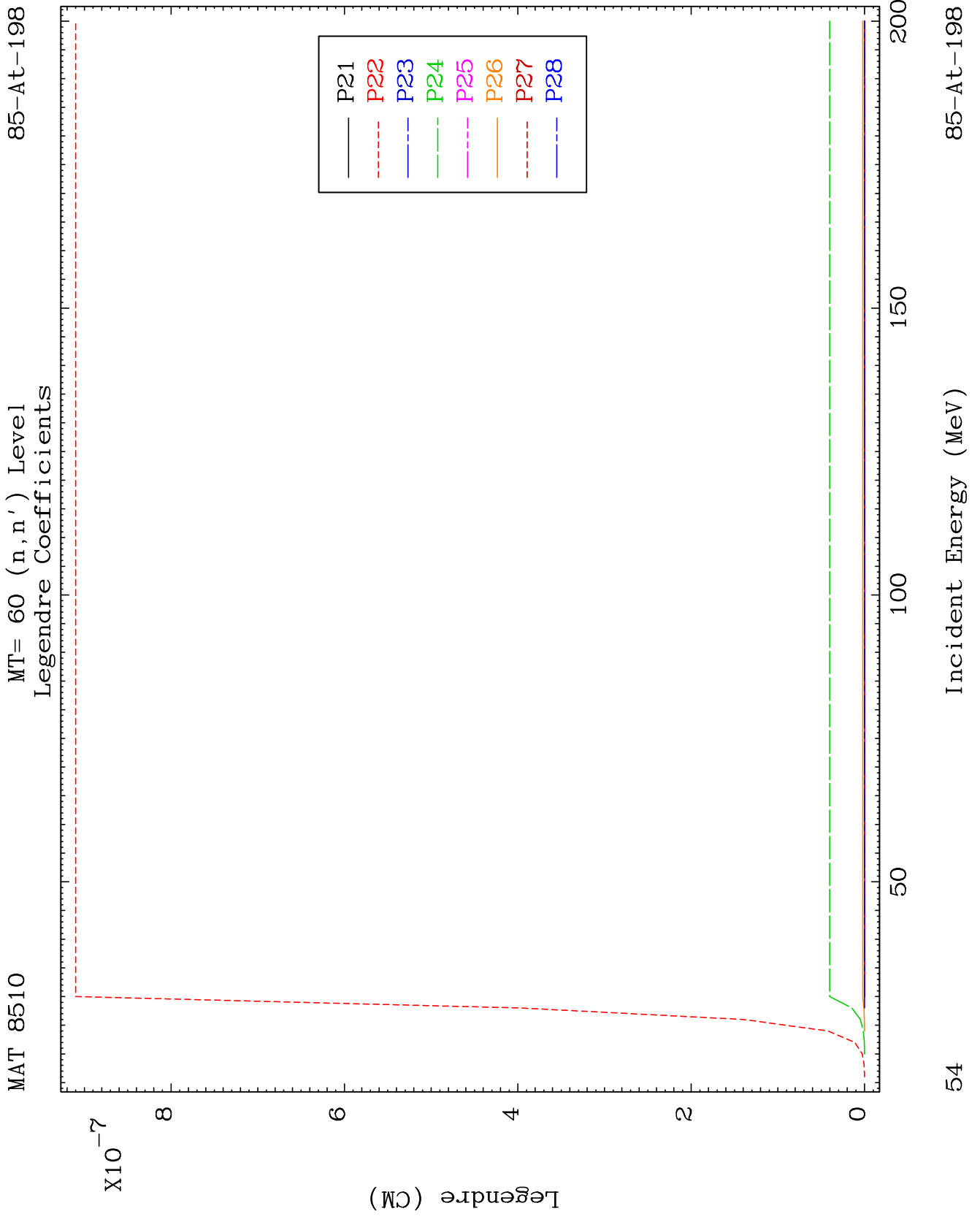
Incident Energy (MeV)

85-At-198





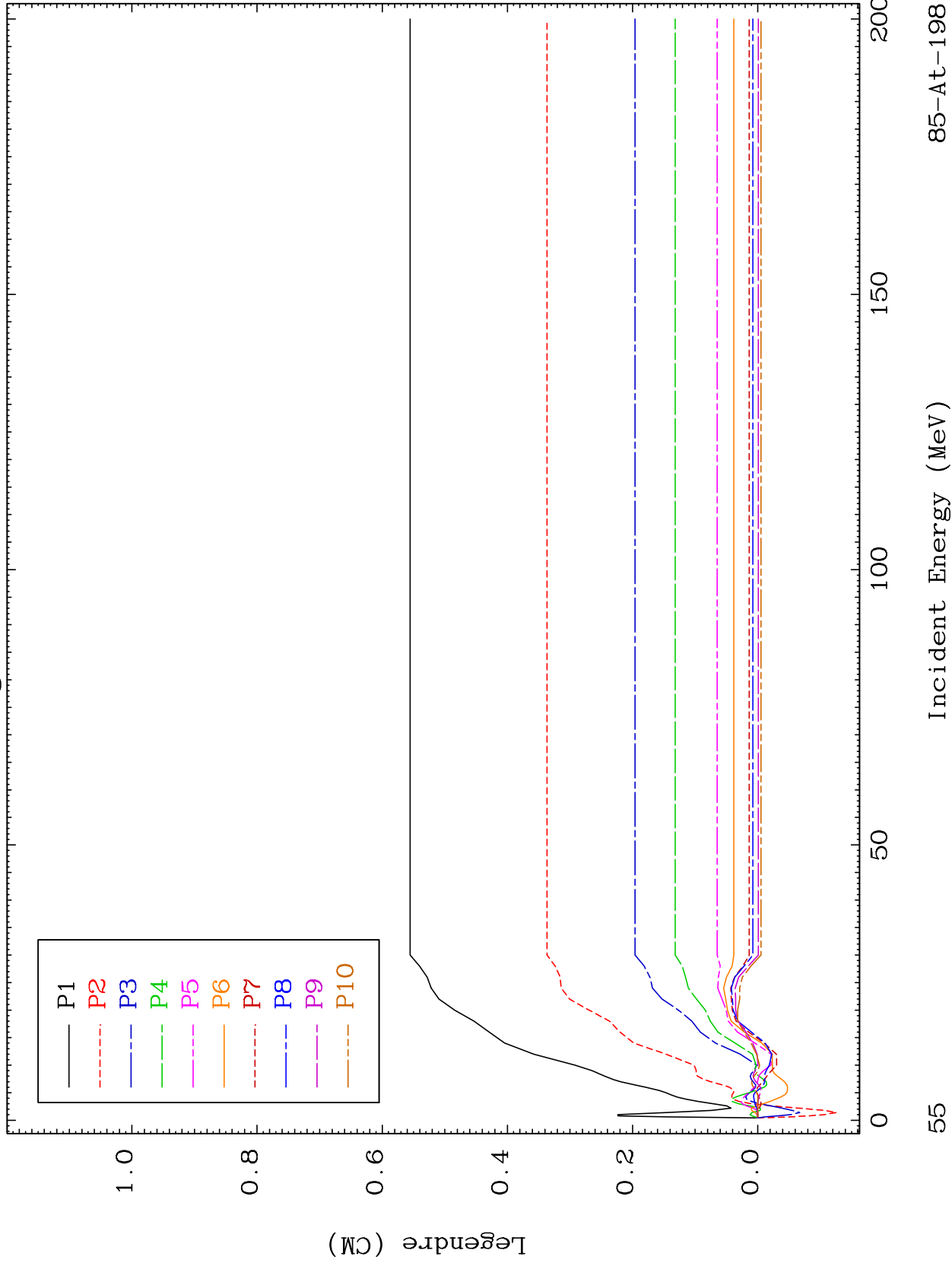




MAT 8510

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

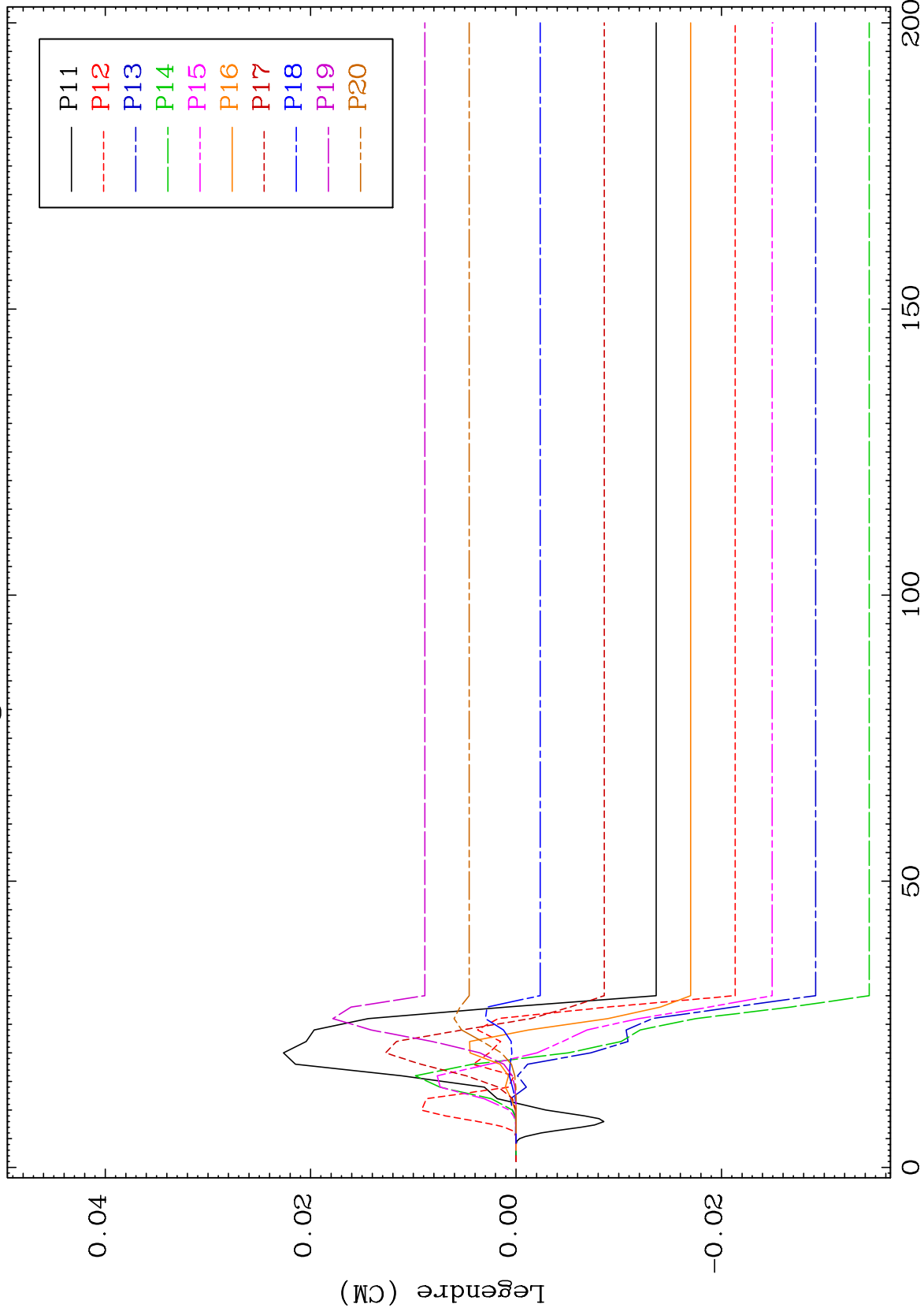
85-At-198



MAT 8510

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

85-At-198



56

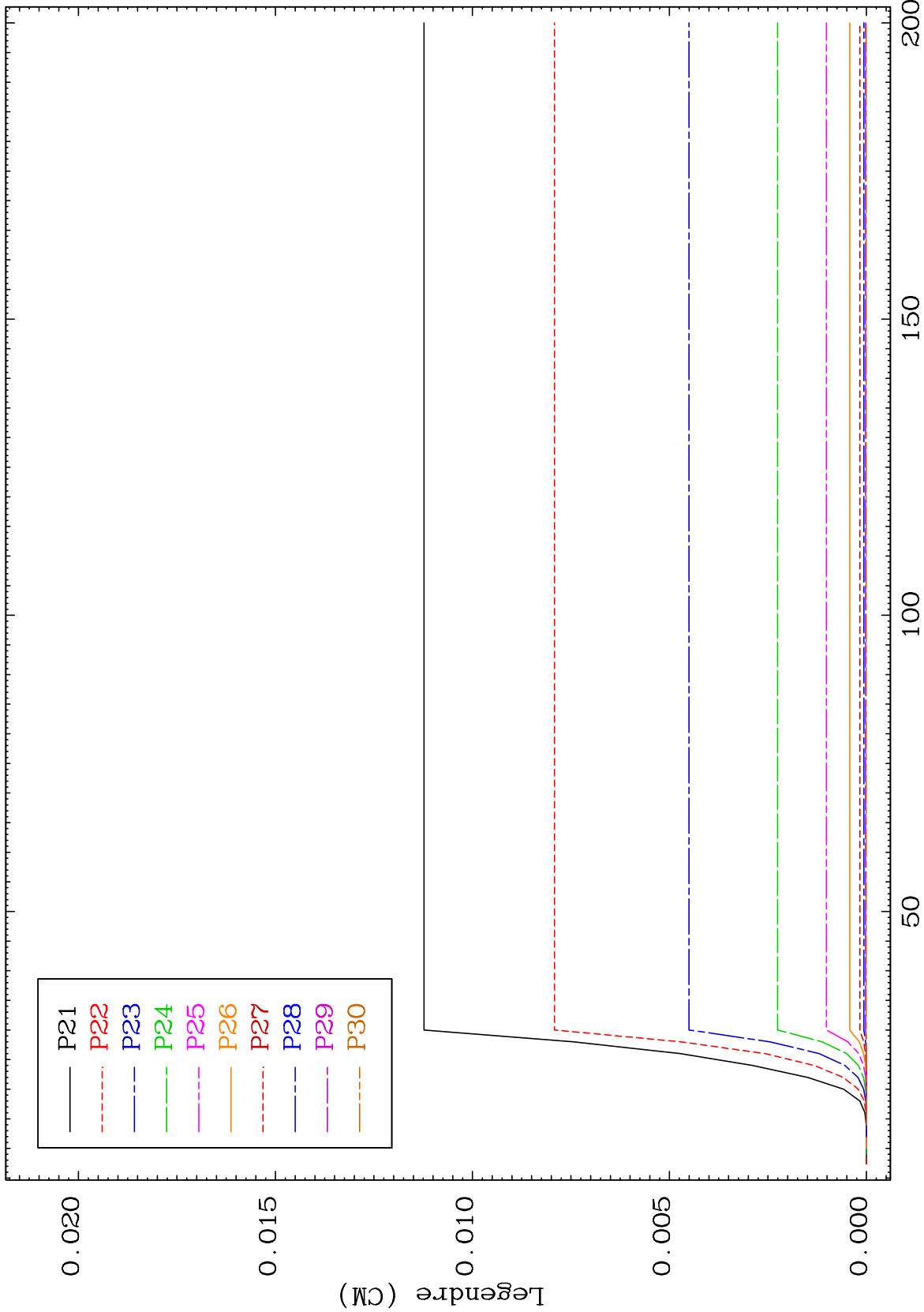
Incident Energy (MeV)

85-At-198

MAT 8510

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

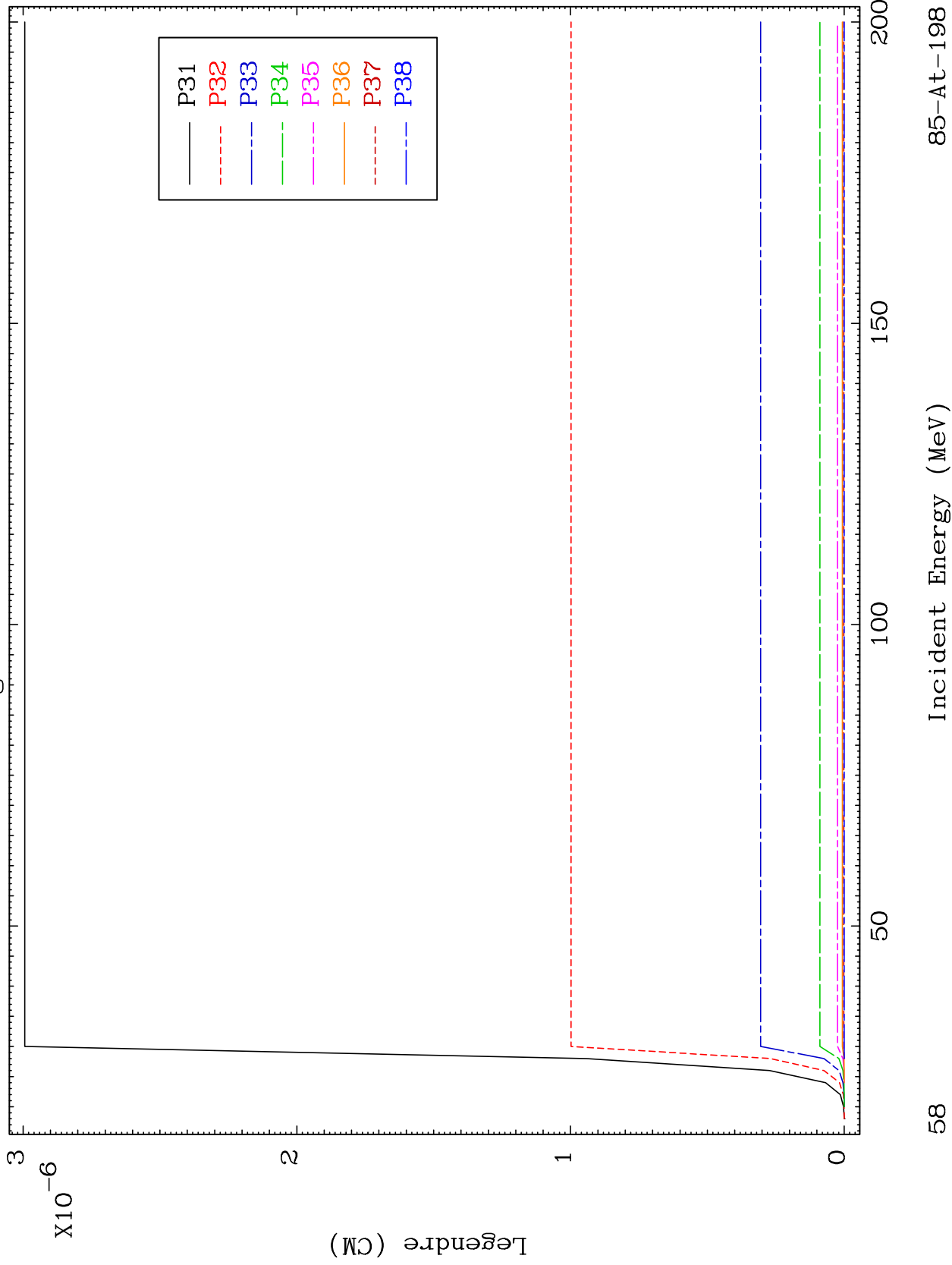
85-At-198



MAT 8510

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

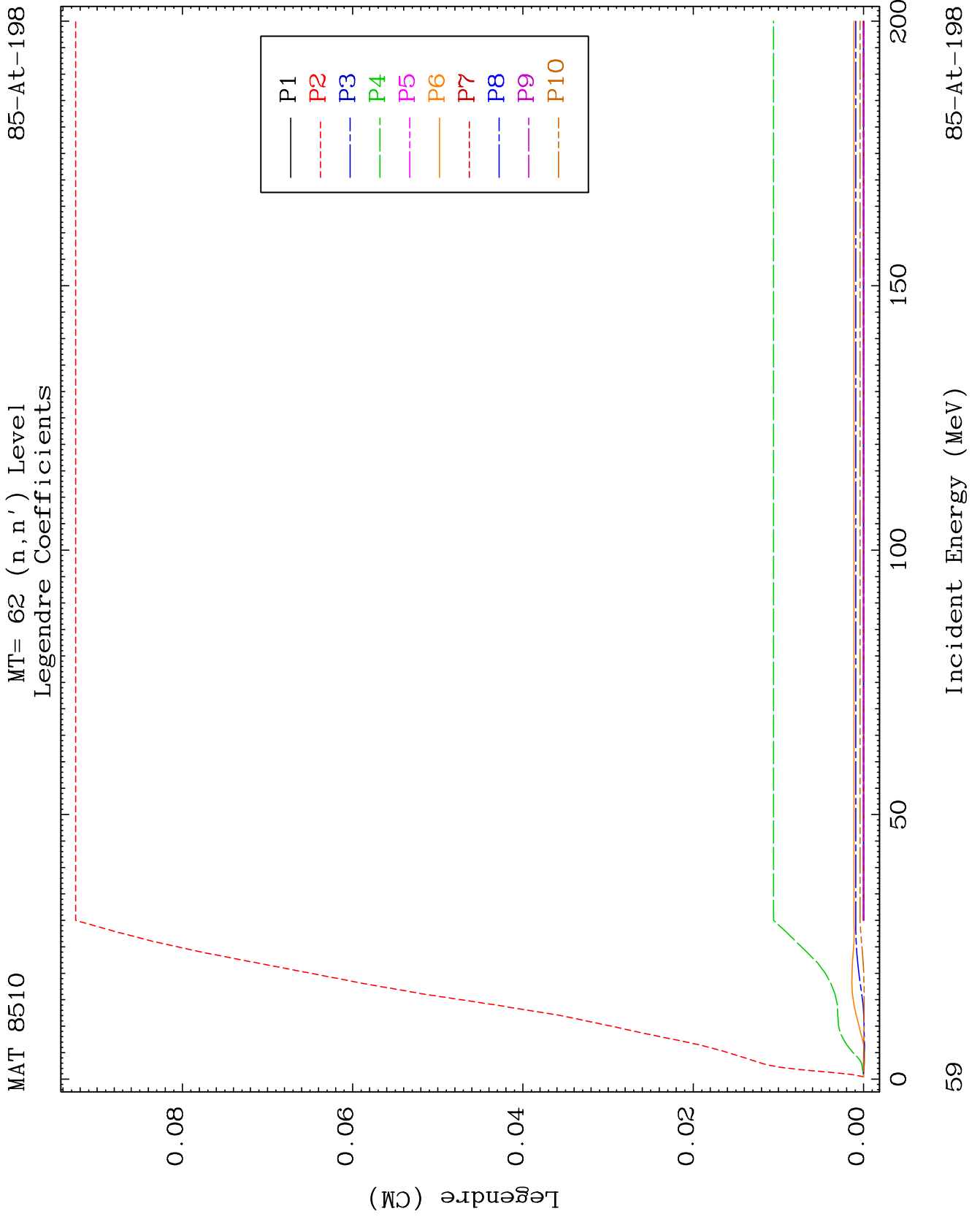
85-At-198



58

Incident Energy (MeV)

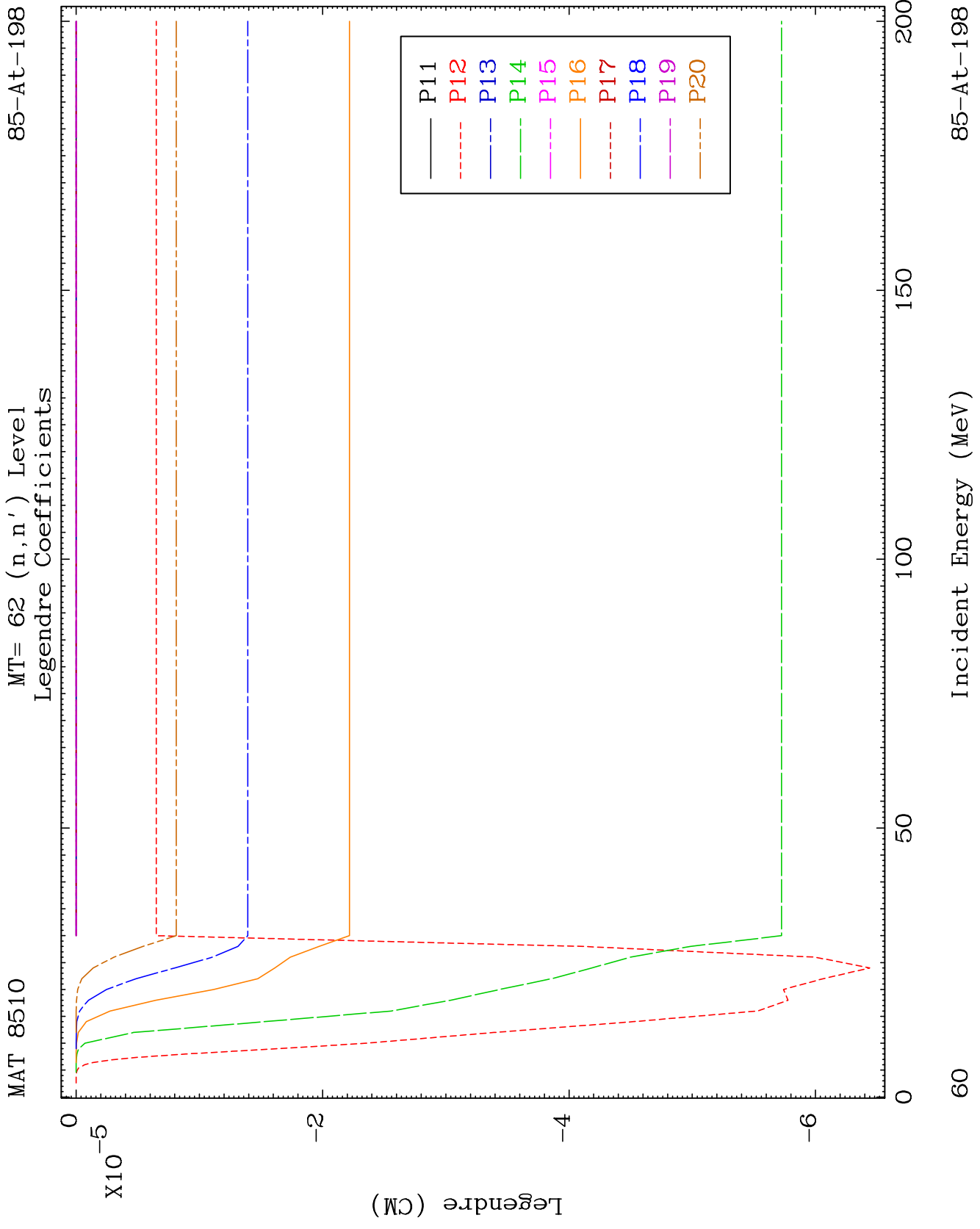
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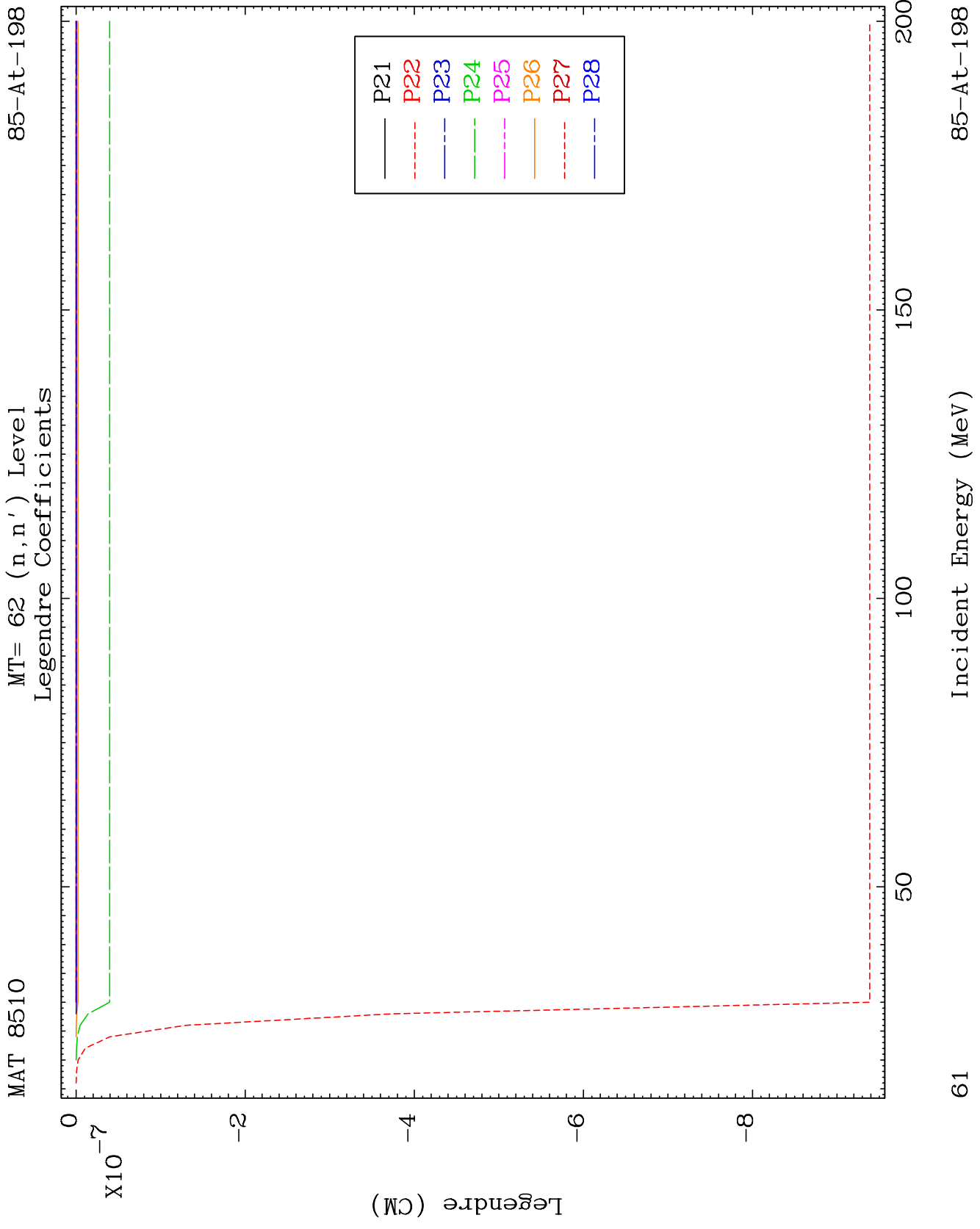


85-At-198

Incident Energy (MeV)

59

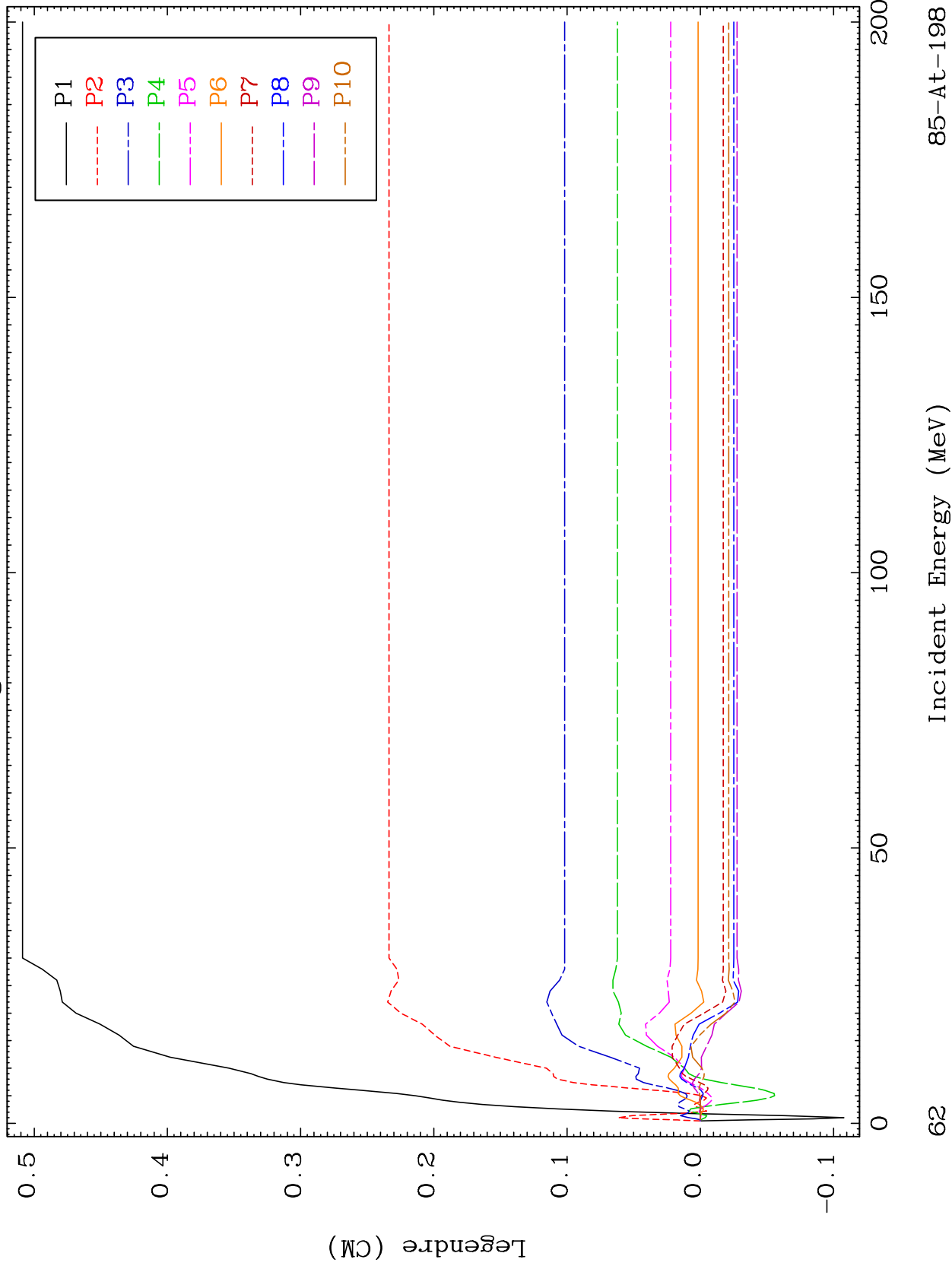




MAT 8510

MT= 63 (n,n') Level
Legendre Coefficients

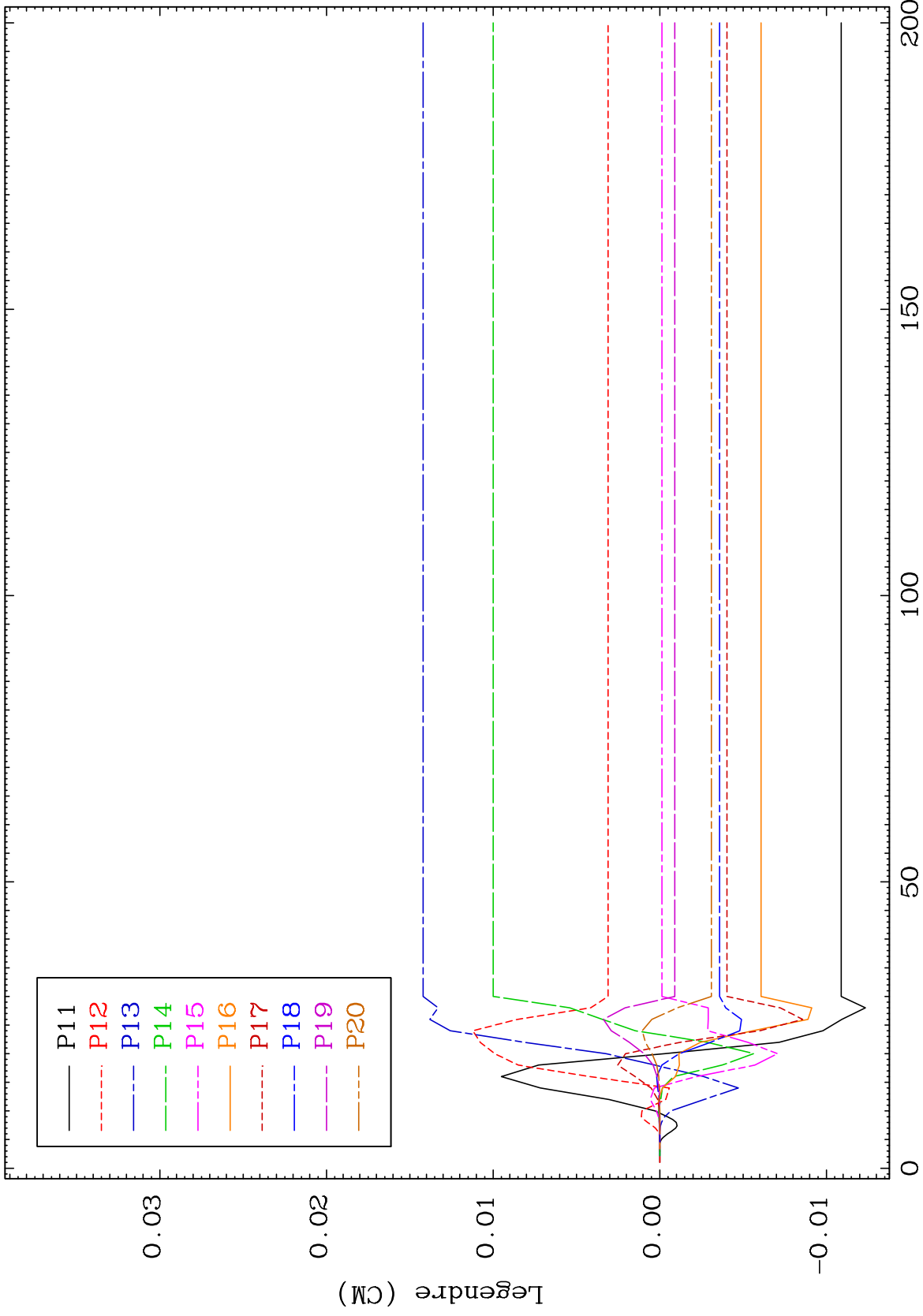
85-At-198



MAT 8510

MT= 63 (n,n') Level
Legendre Coefficients

85-At-198



63

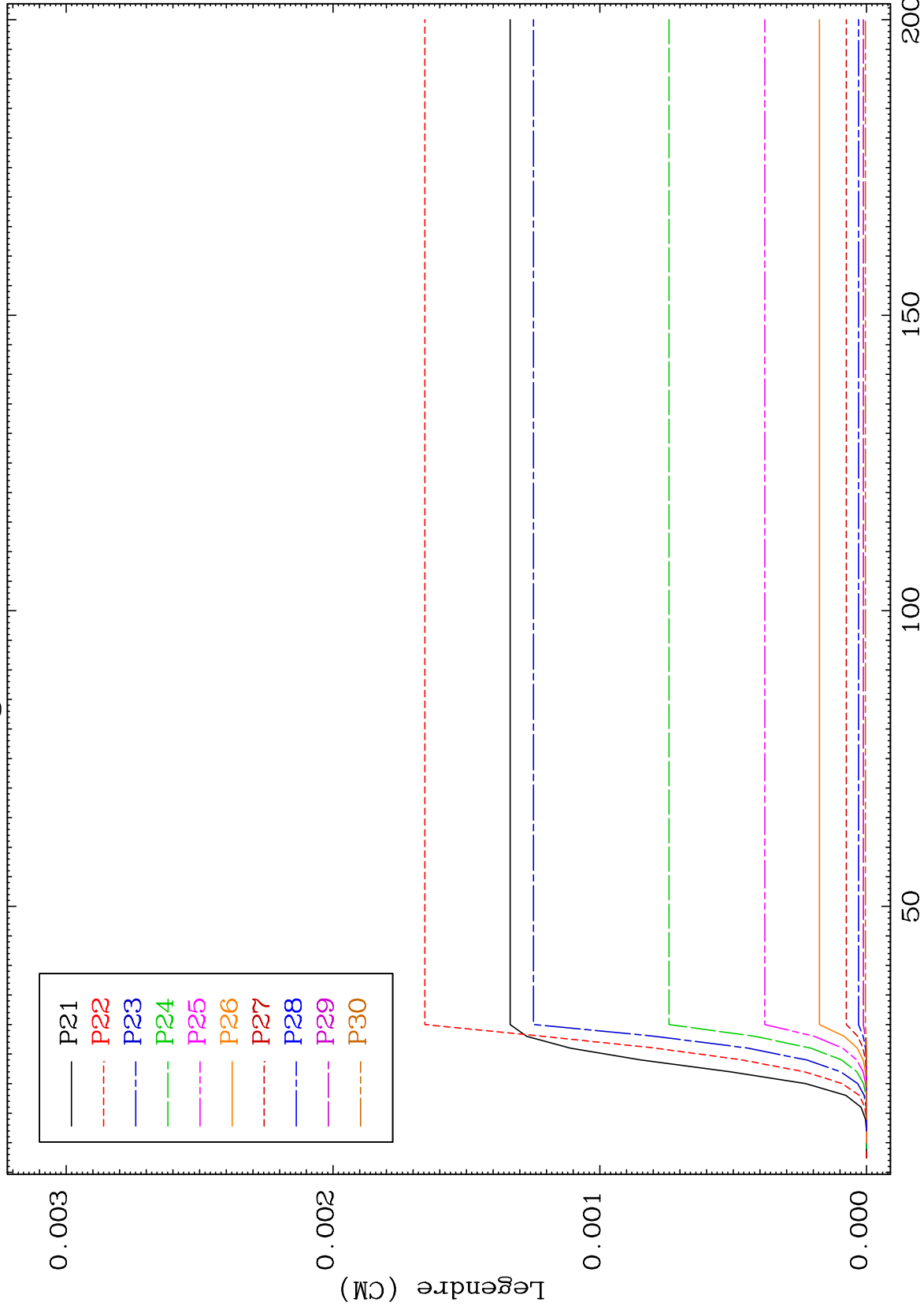
Incident Energy (MeV)

85-At-198

MAT 8510

MT= 63 (n,n') Level
Legendre Coefficients

85-At-198



64

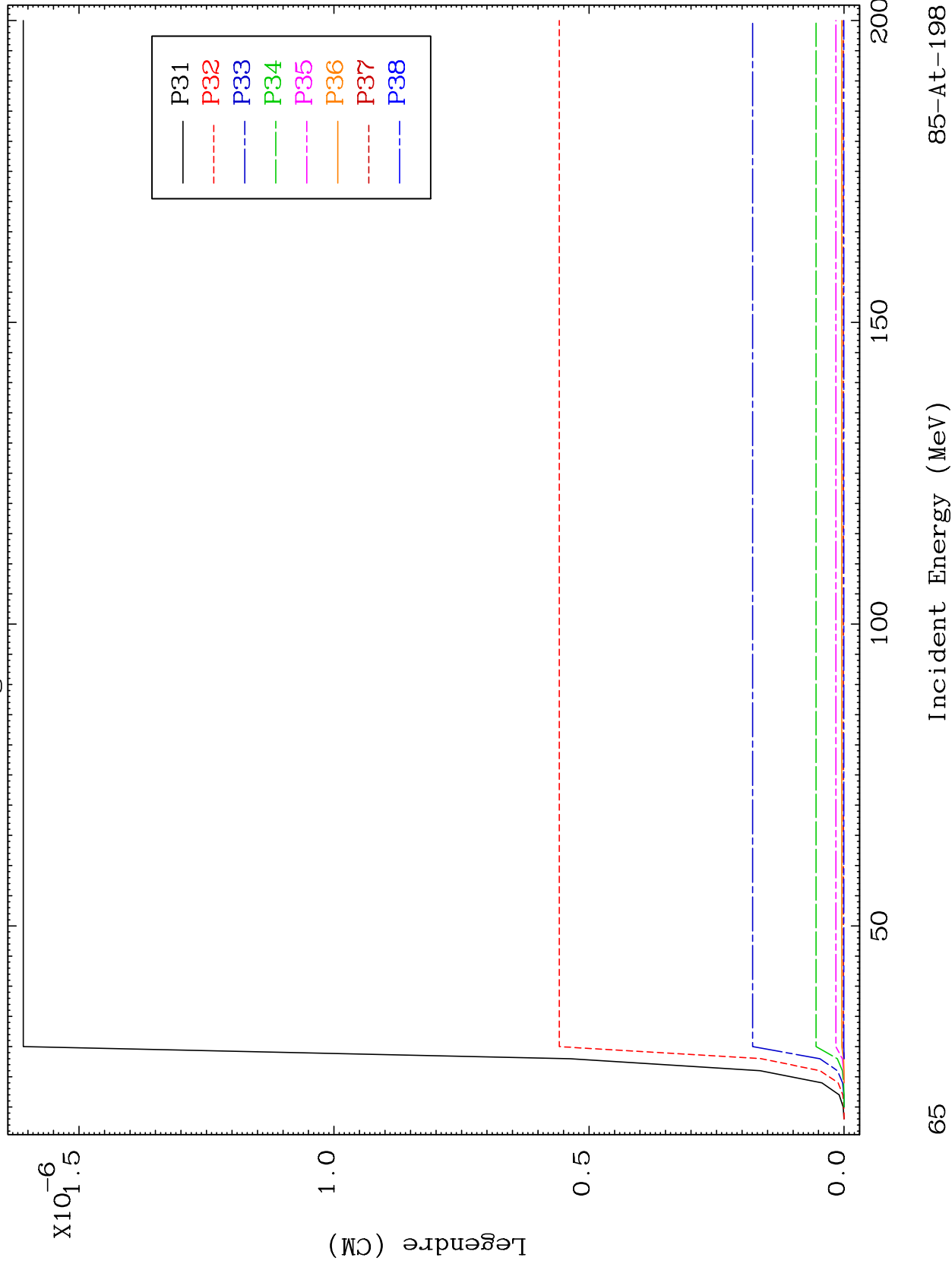
Incident Energy (MeV)

85-At-198

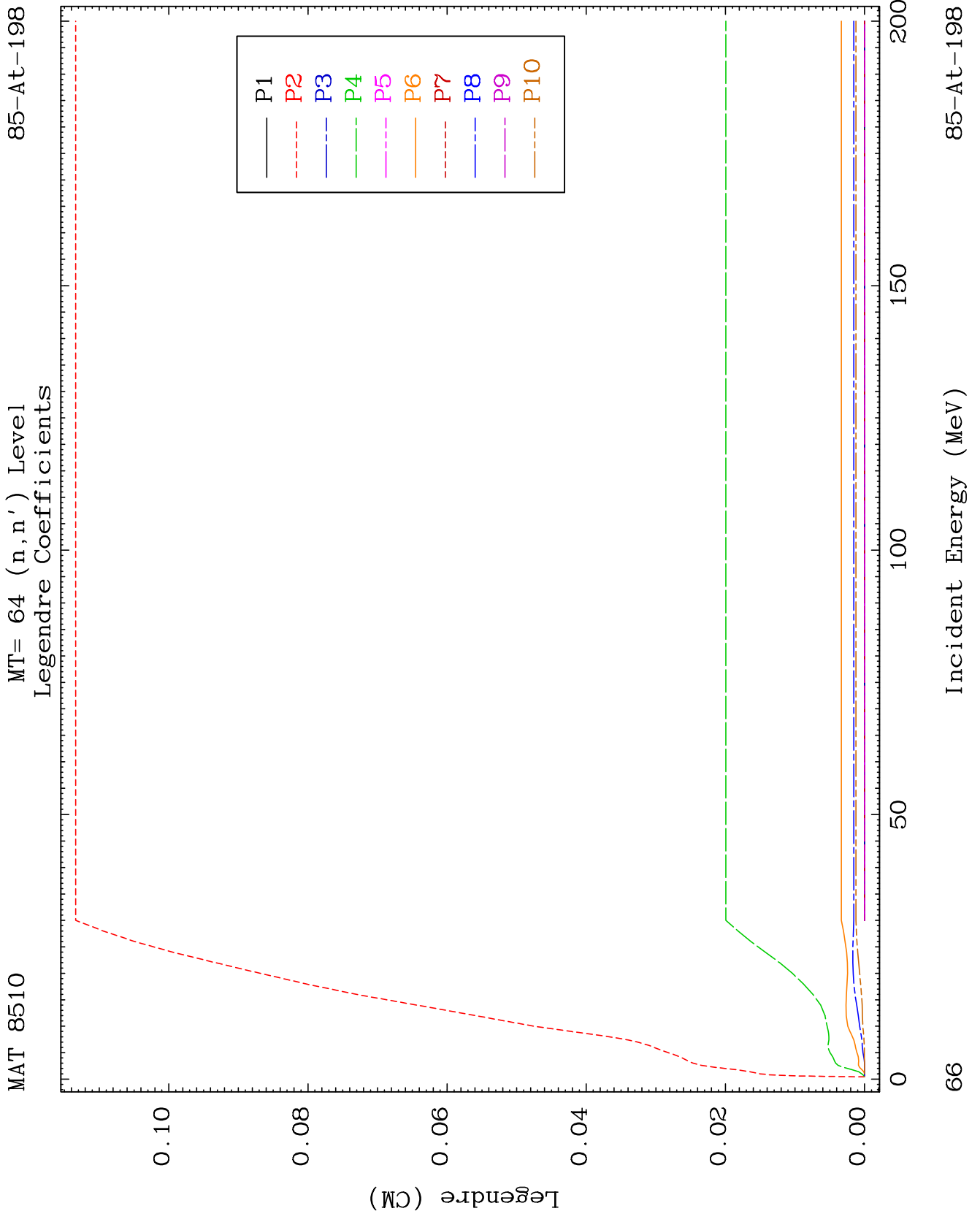
MAT 8510

MT= 63 (n,n') Level
Legendre Coefficients

85-At-198



65

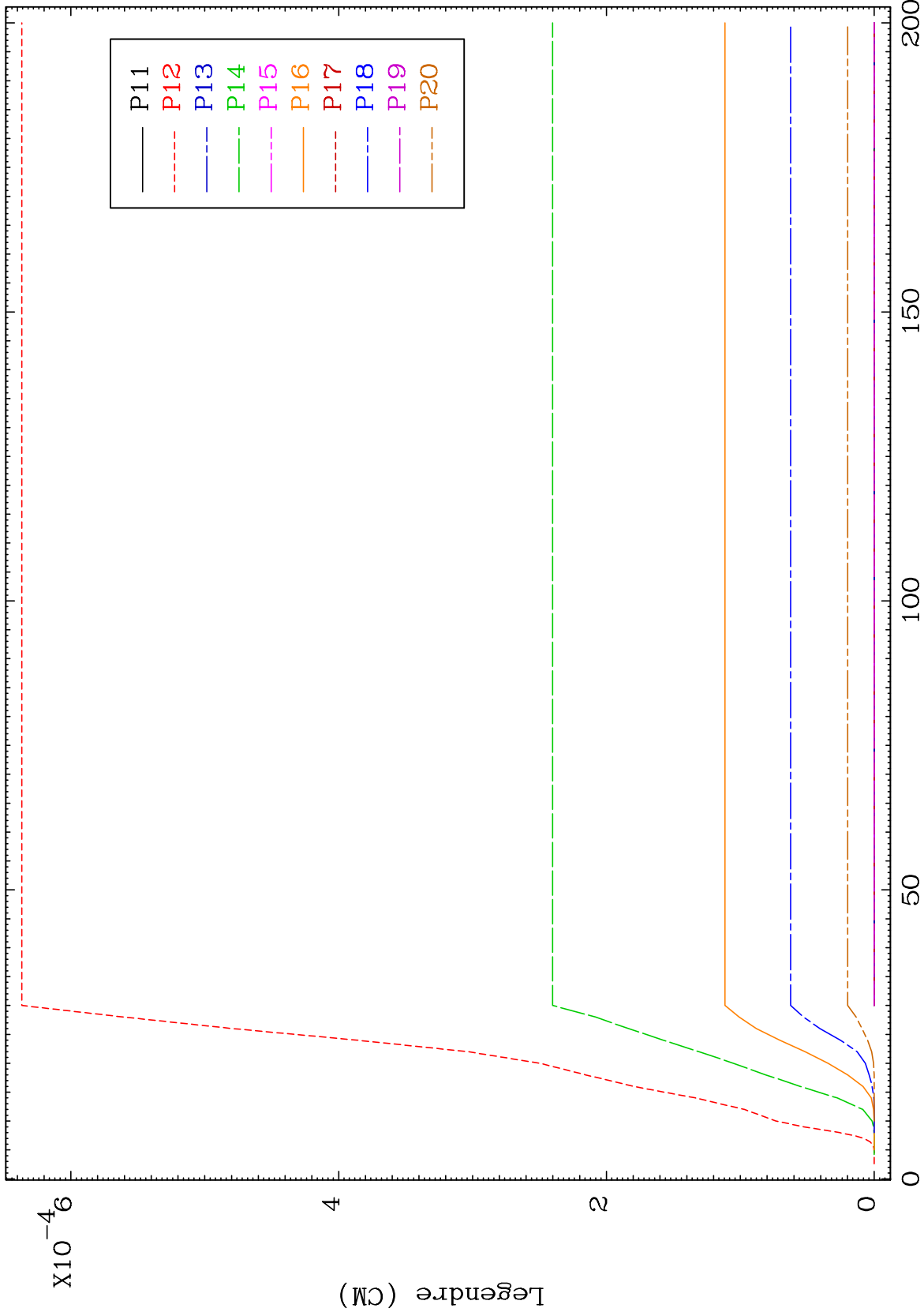


MAT 8510

MT= 64 (n,n') Level

85-At-198

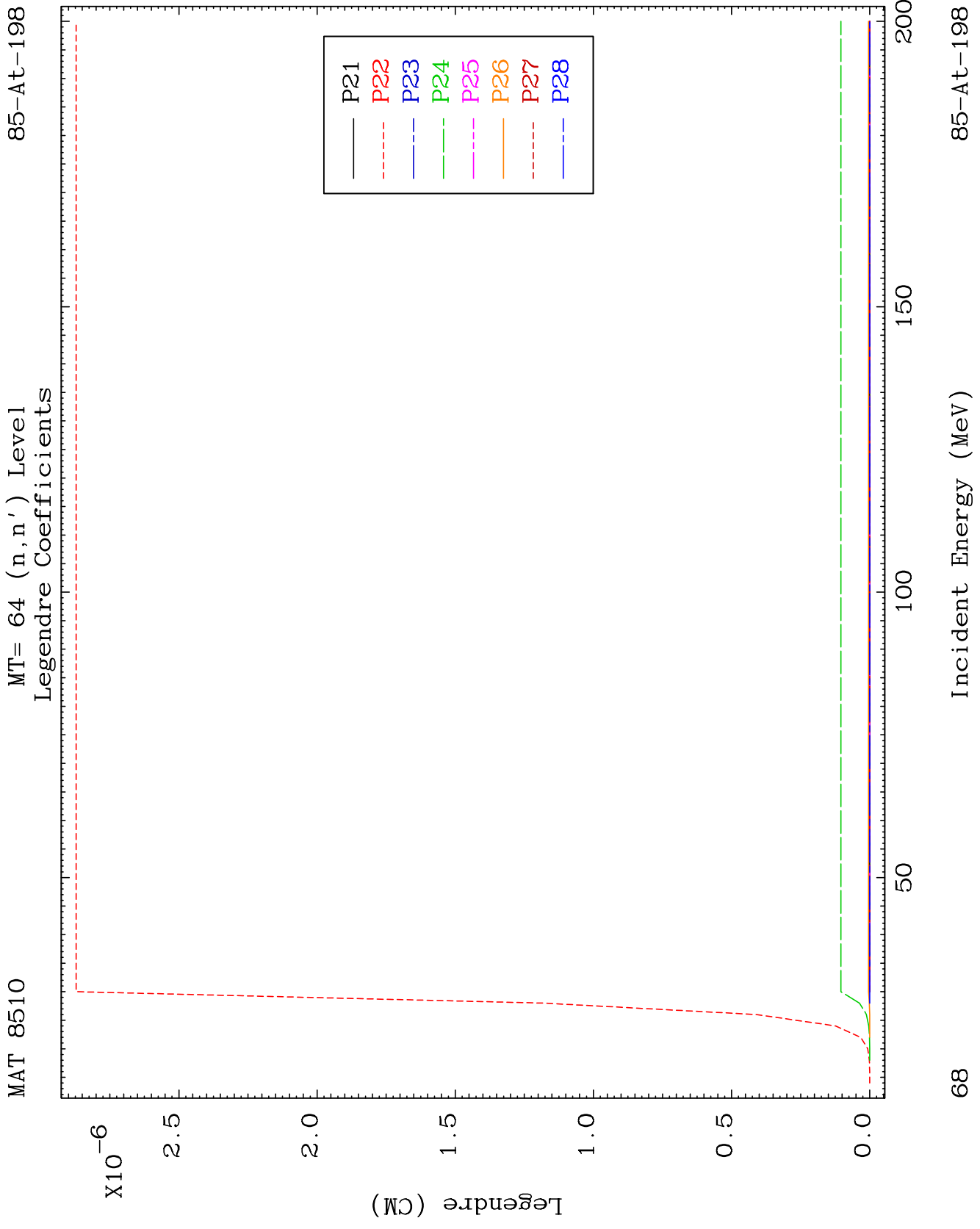
Legendre Coefficients



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Incident Energy (MeV)

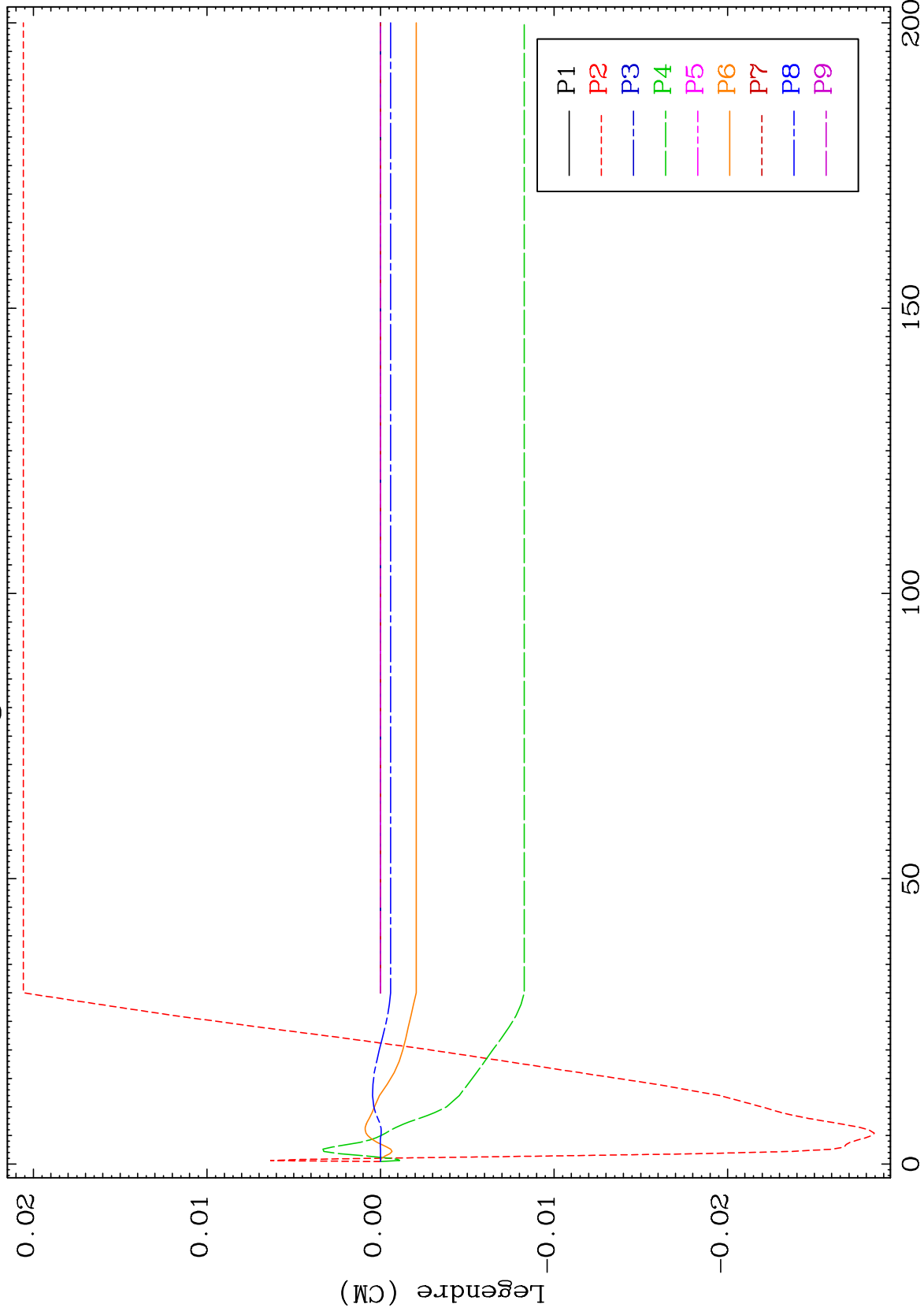
85-At-198



MAT 8510

MT= 65 (n,n') Level
Legendre Coefficients

85-At-198



85-At-198

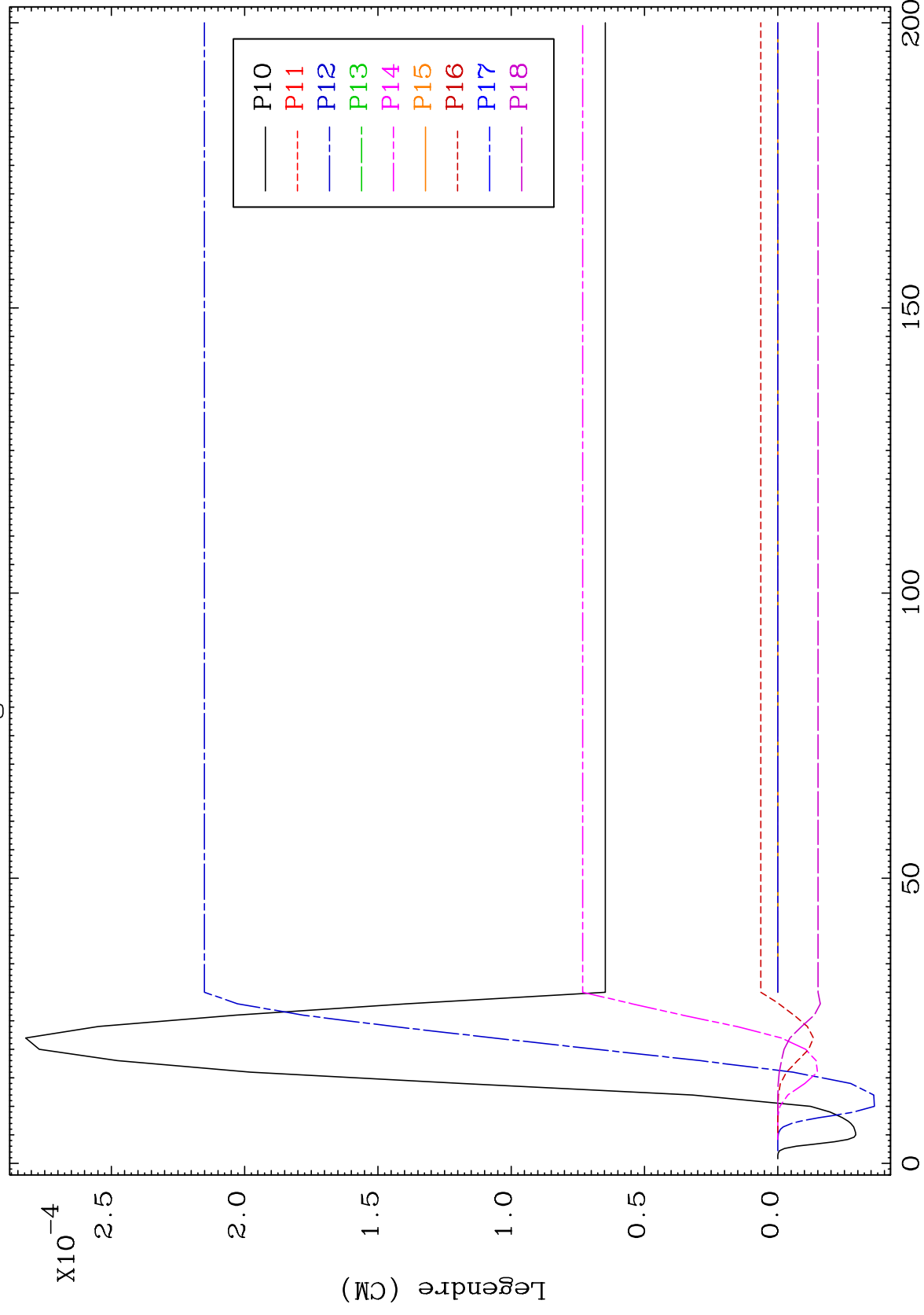
Incident Energy (MeV)

69

MAT 8510

MT= 65 (n,n') Level
Legendre Coefficients

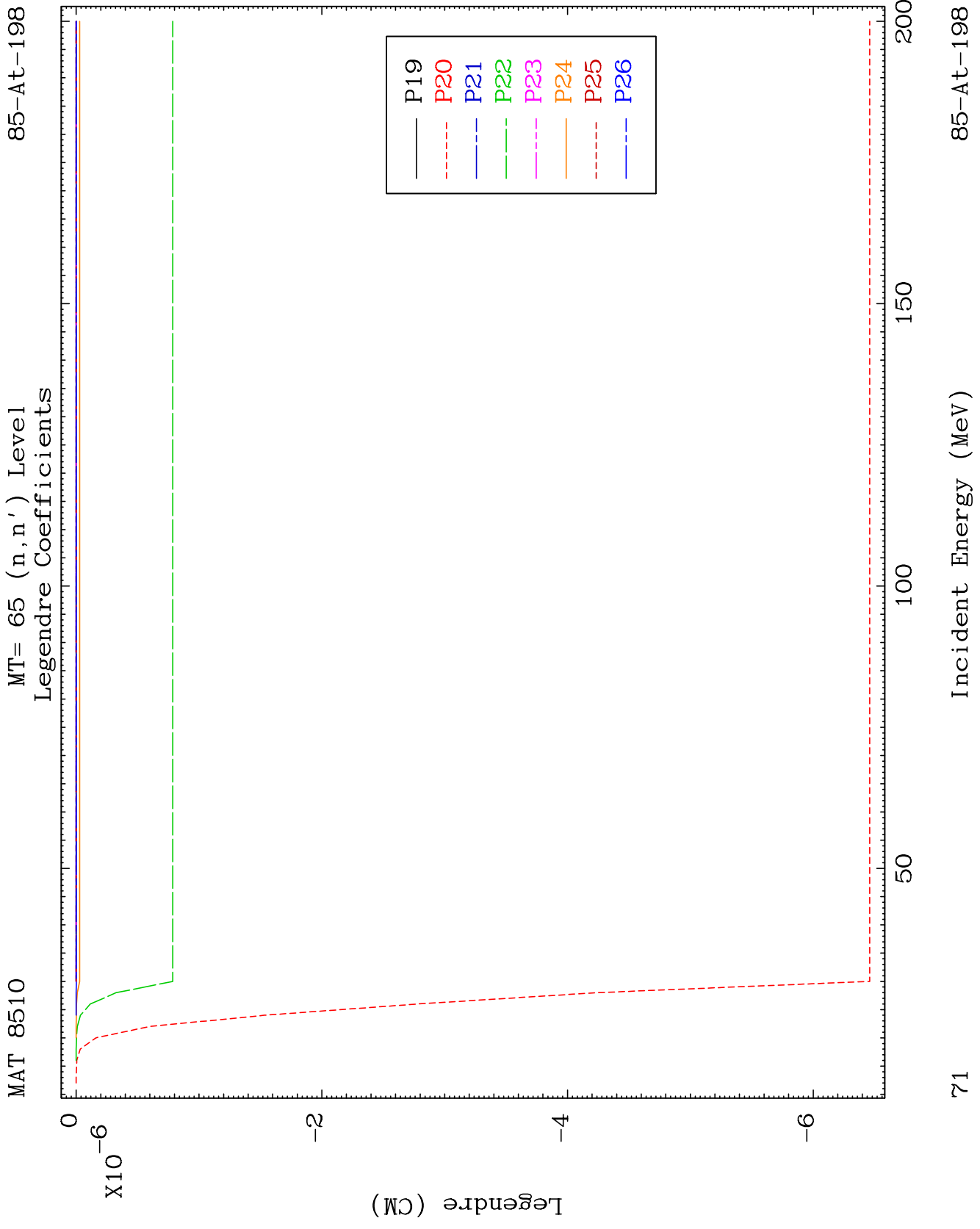
85-At-198



85-At-198

Incident Energy (MeV)

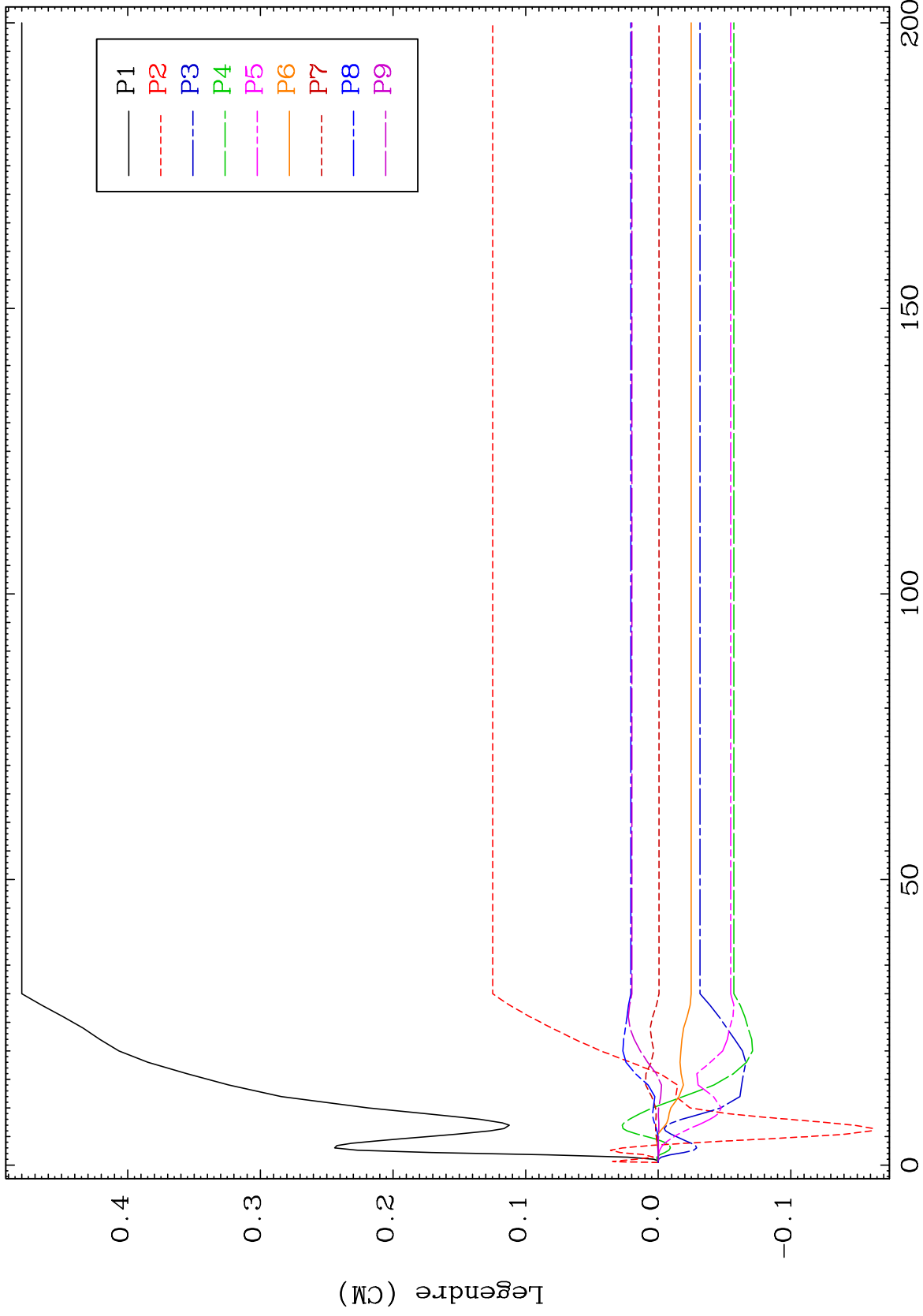
70



MAT 8510

MT= 66 (n,n') Level
Legendre Coefficients

85-At-198



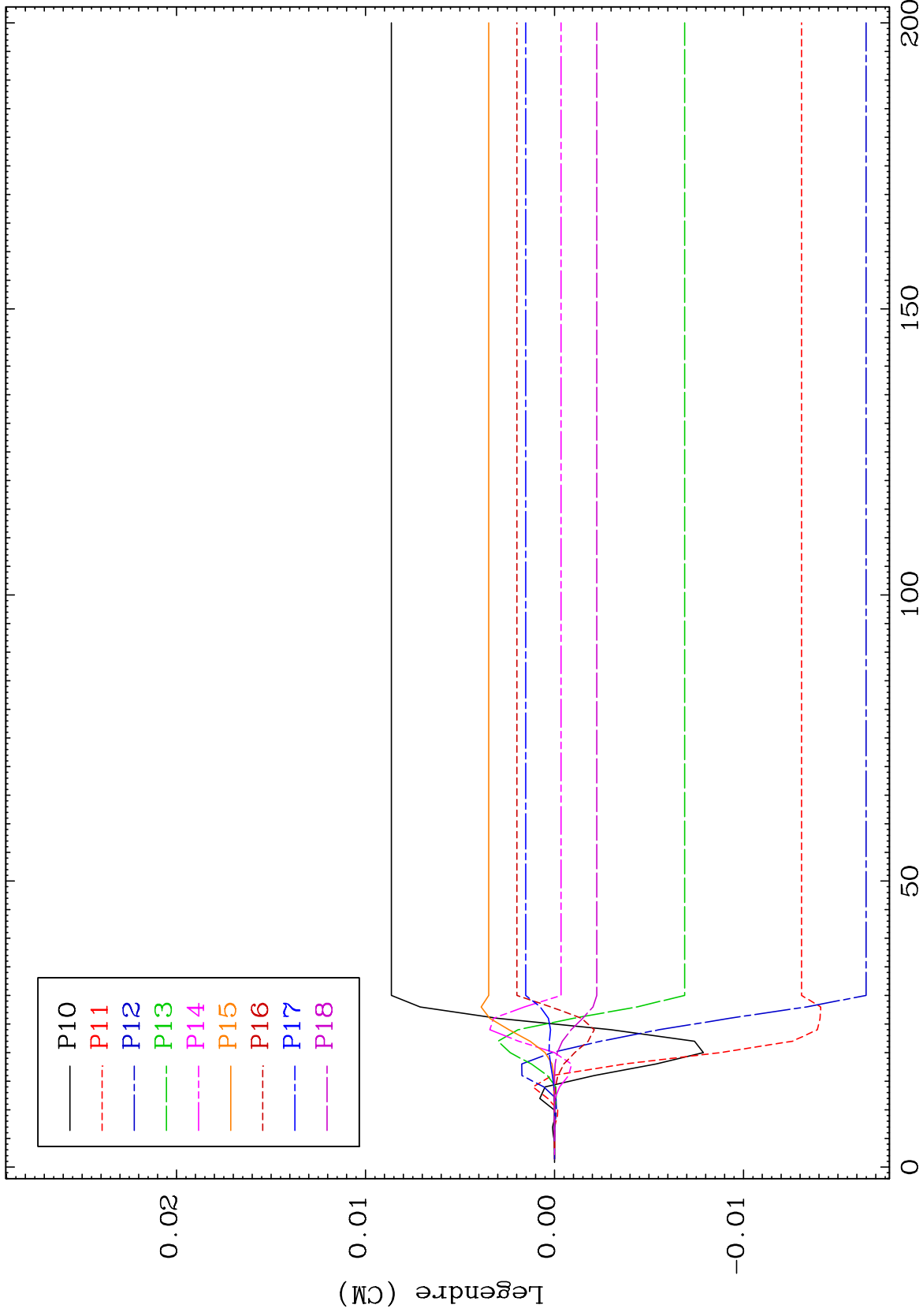
72

85-At-198

MAT 8510

MT= 66 (n,n') Level
Legendre Coefficients

85-At-198



73

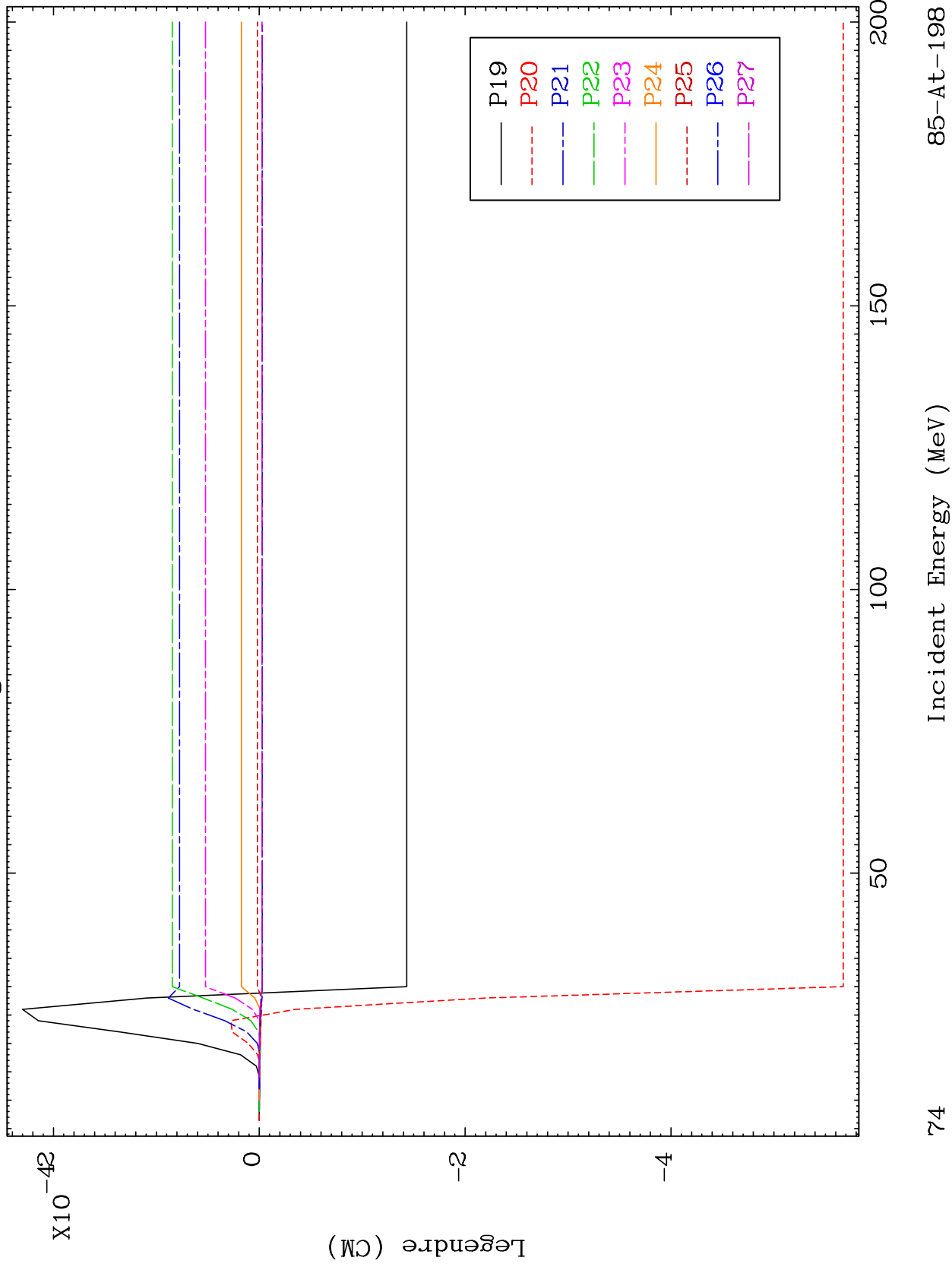
Incident Energy (MeV)

85-At-198

MAT 8510

MT= 66 (n,n') Level
Legendre Coefficients

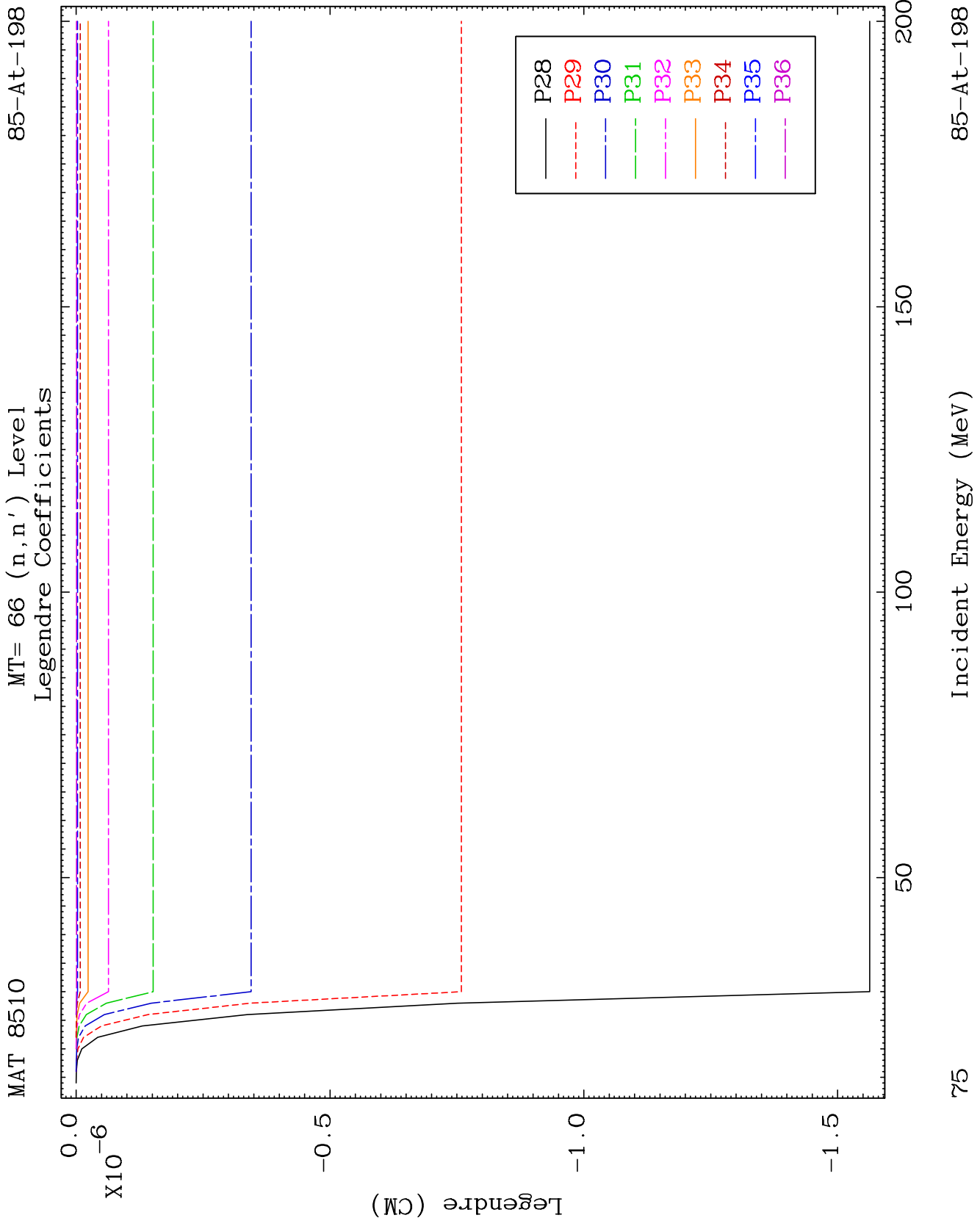
85-At-198

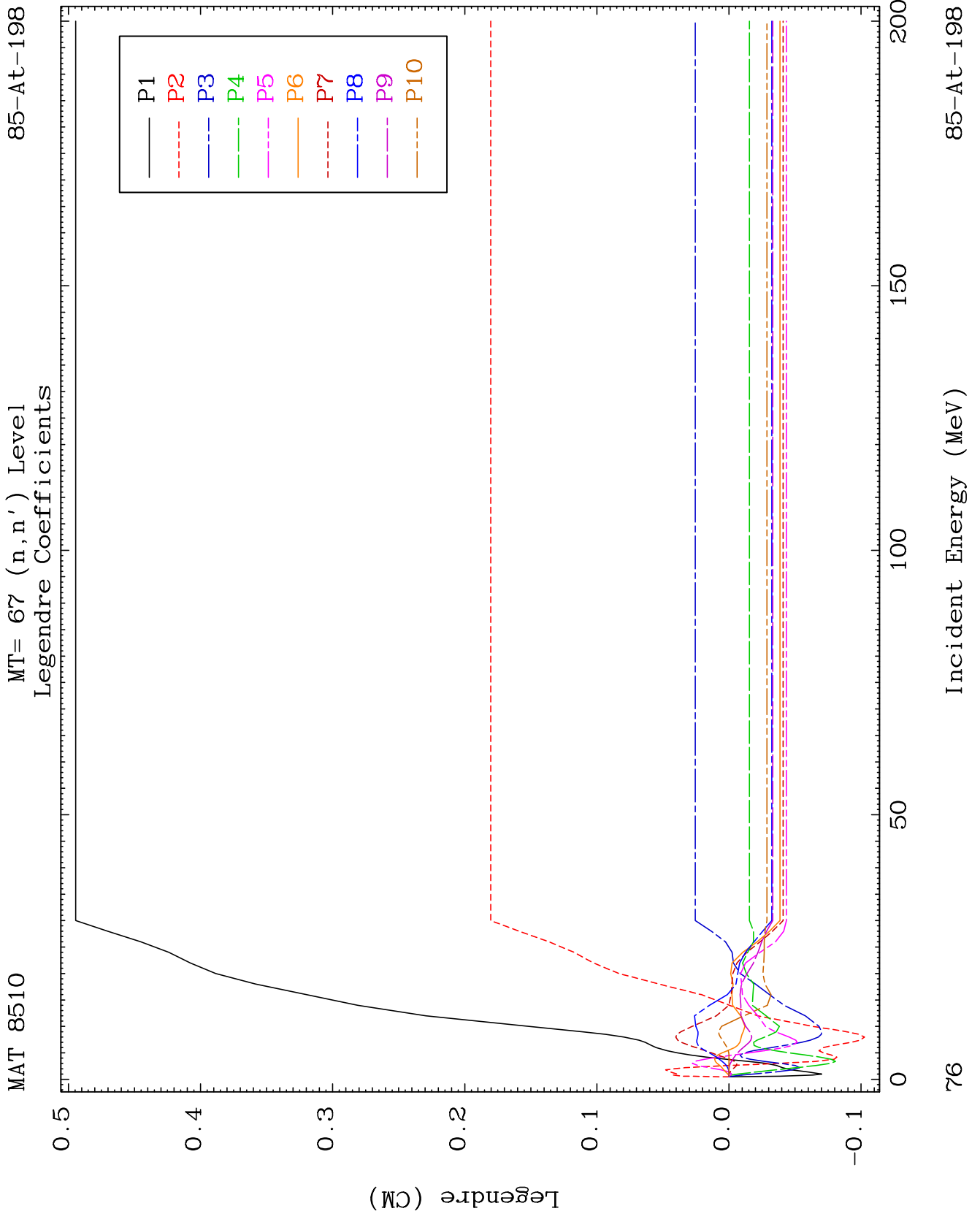


74

Incident Energy (MeV)

85-At-198

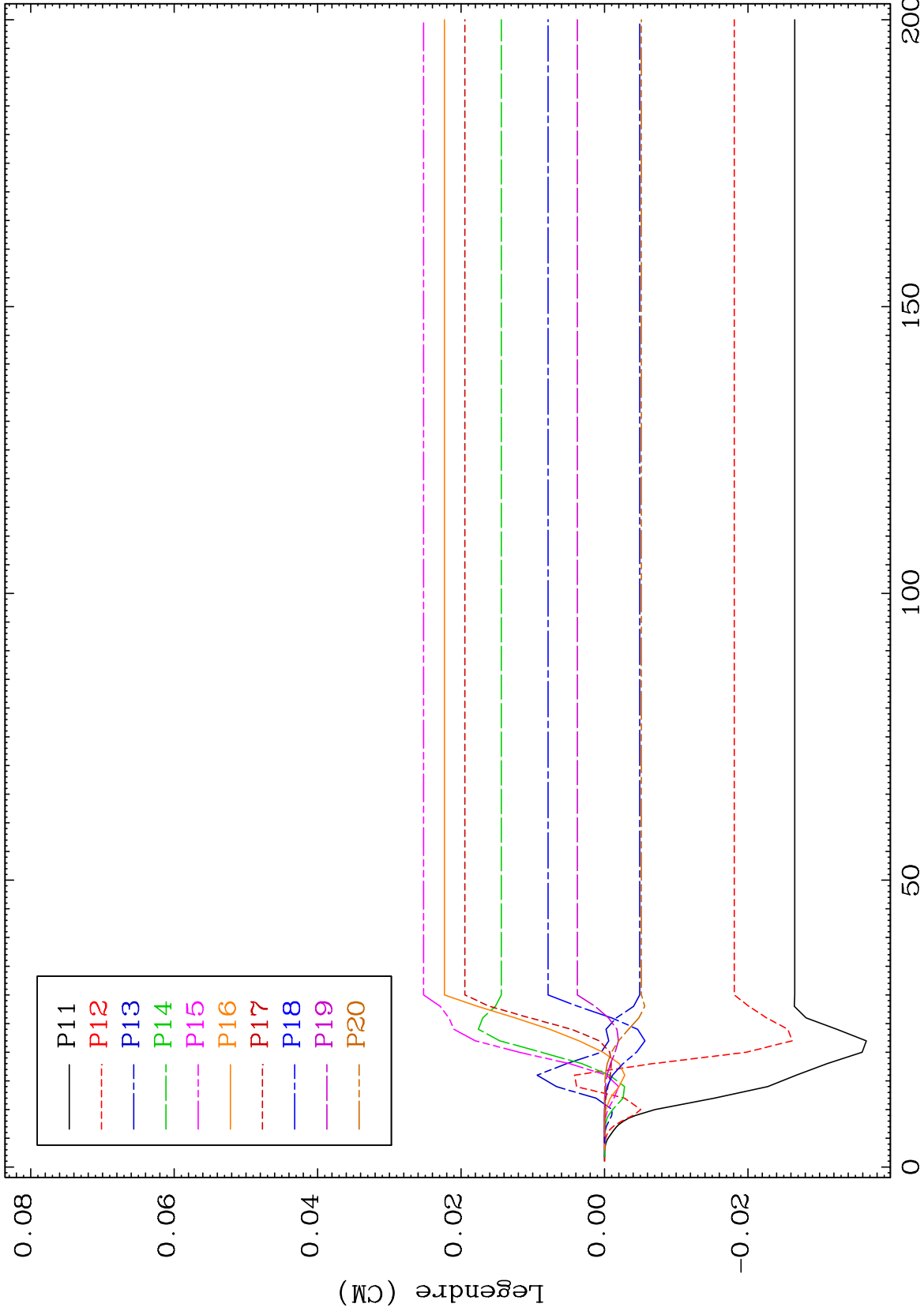




MAT 8510

MT= 67 (n,n') Level
Legendre Coefficients

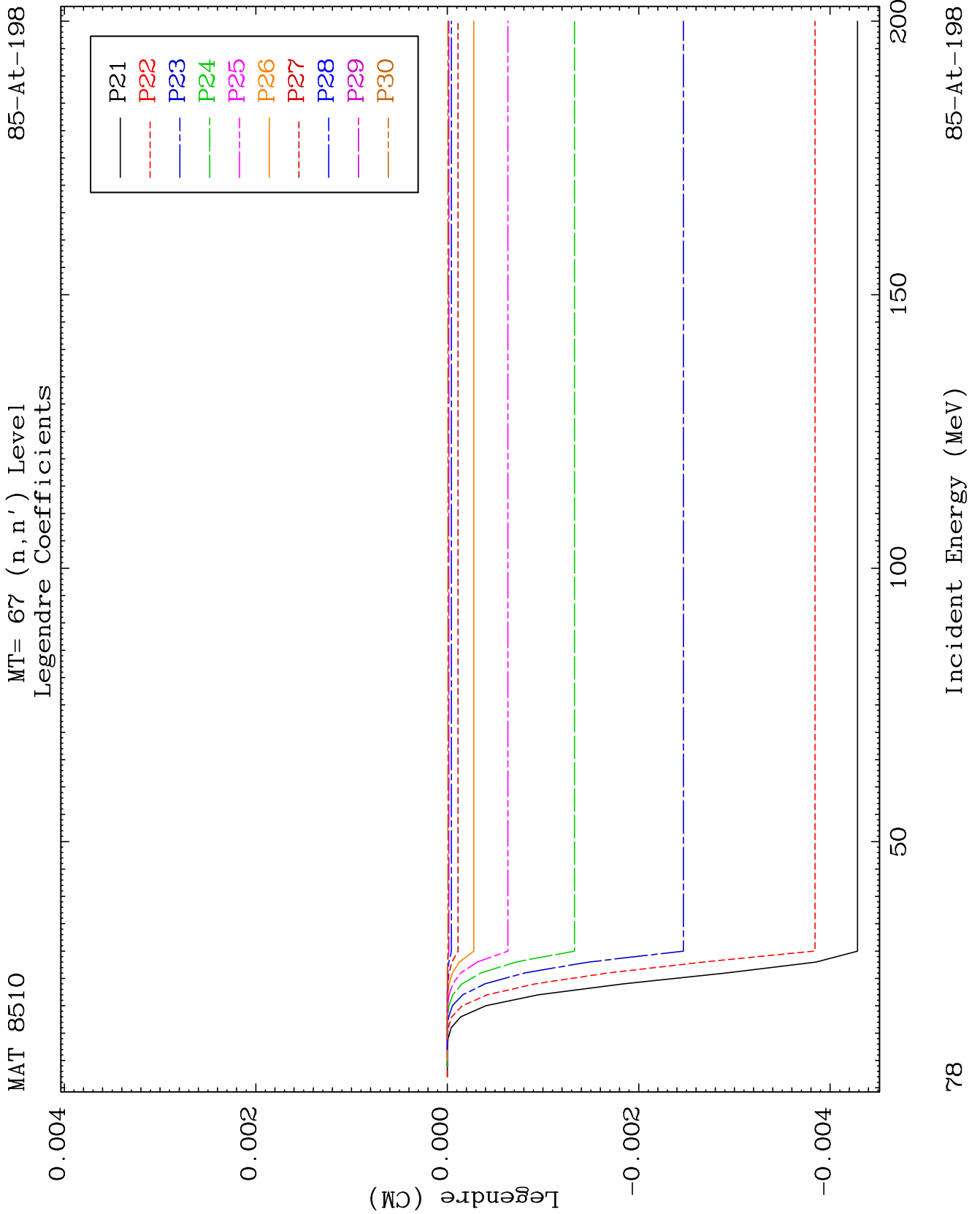
85-At-198

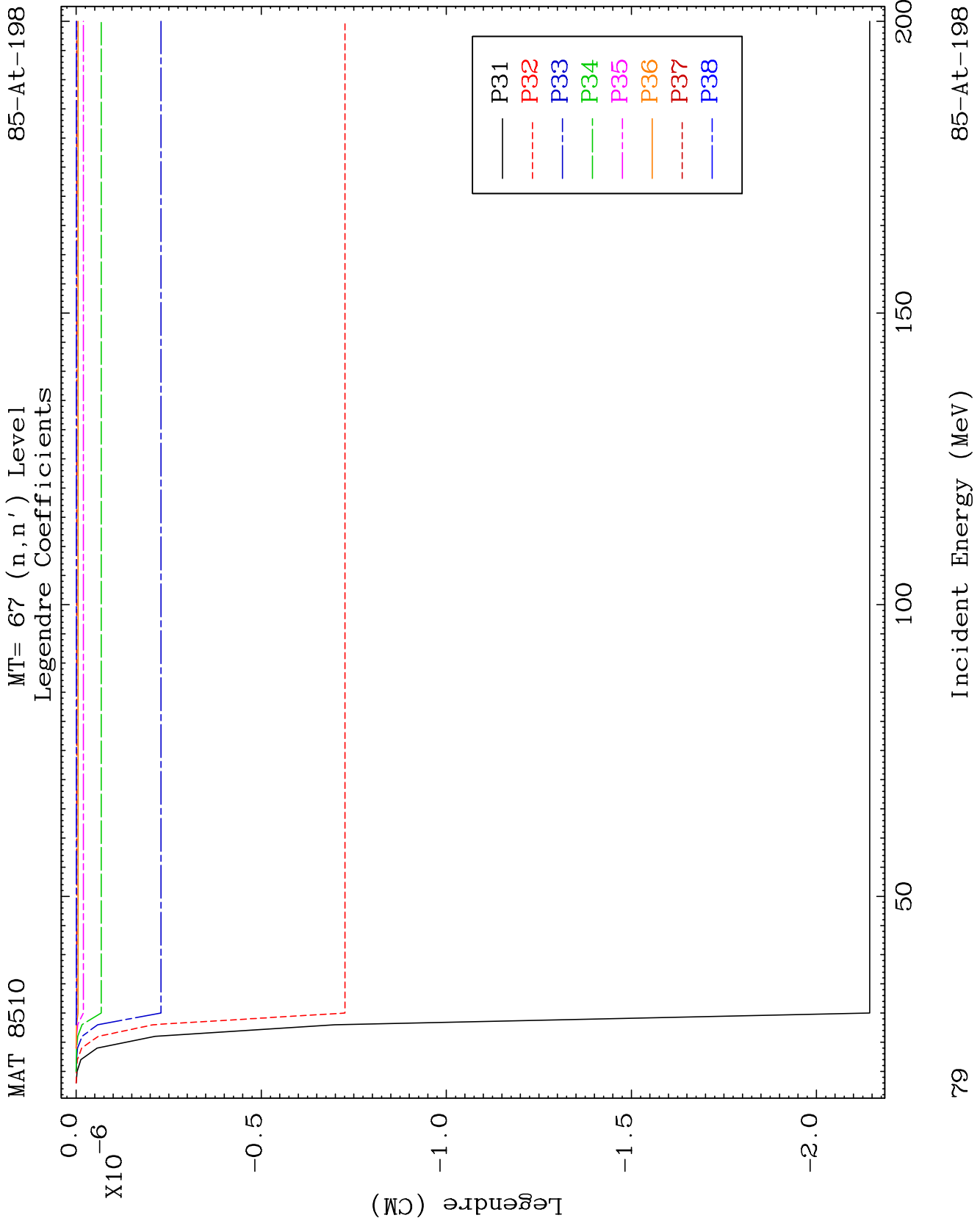


77

Incident Energy (MeV)

85-At-198

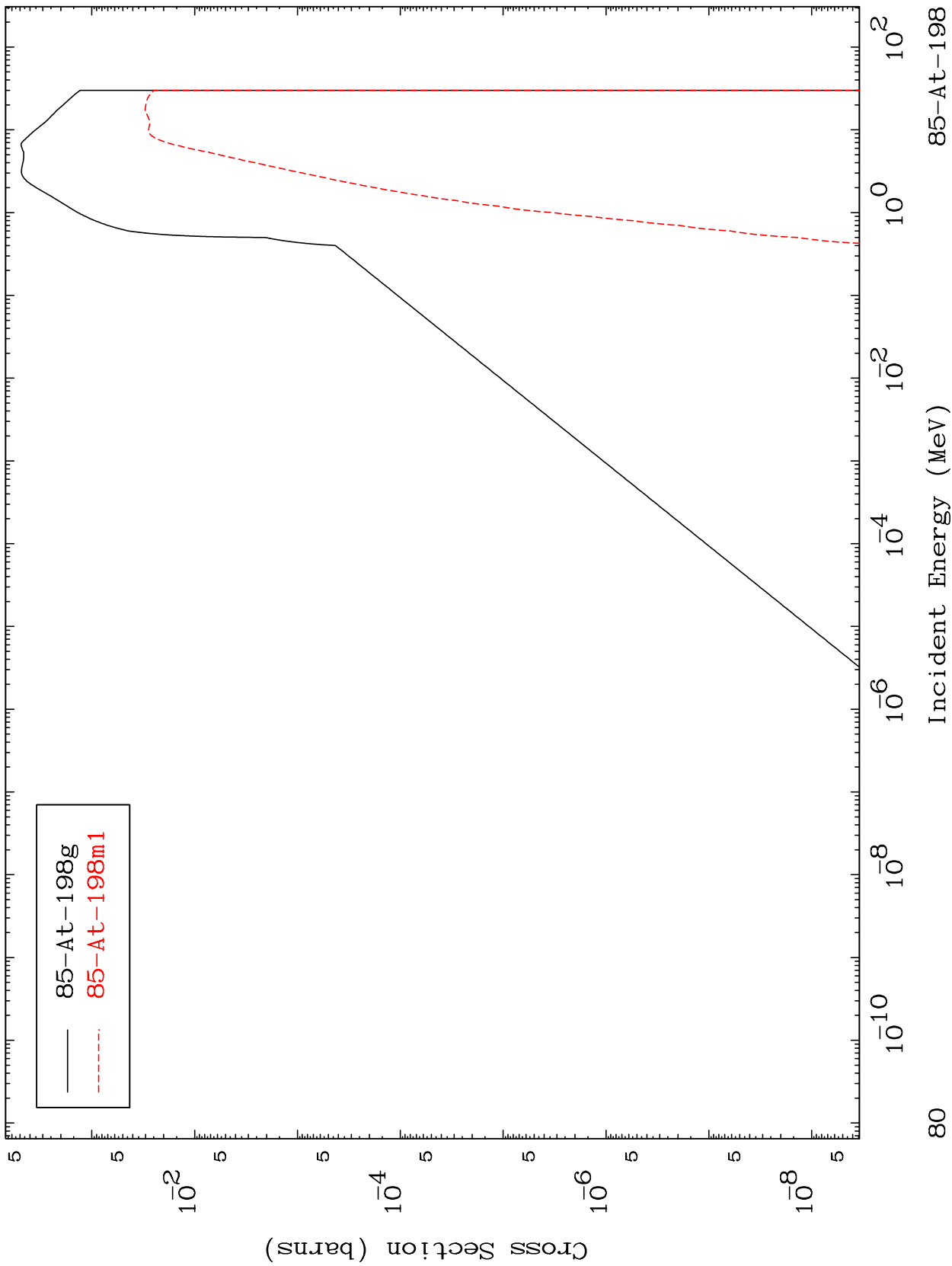




MAT 8510

Inelastic
Radionuclide Production Cross Section

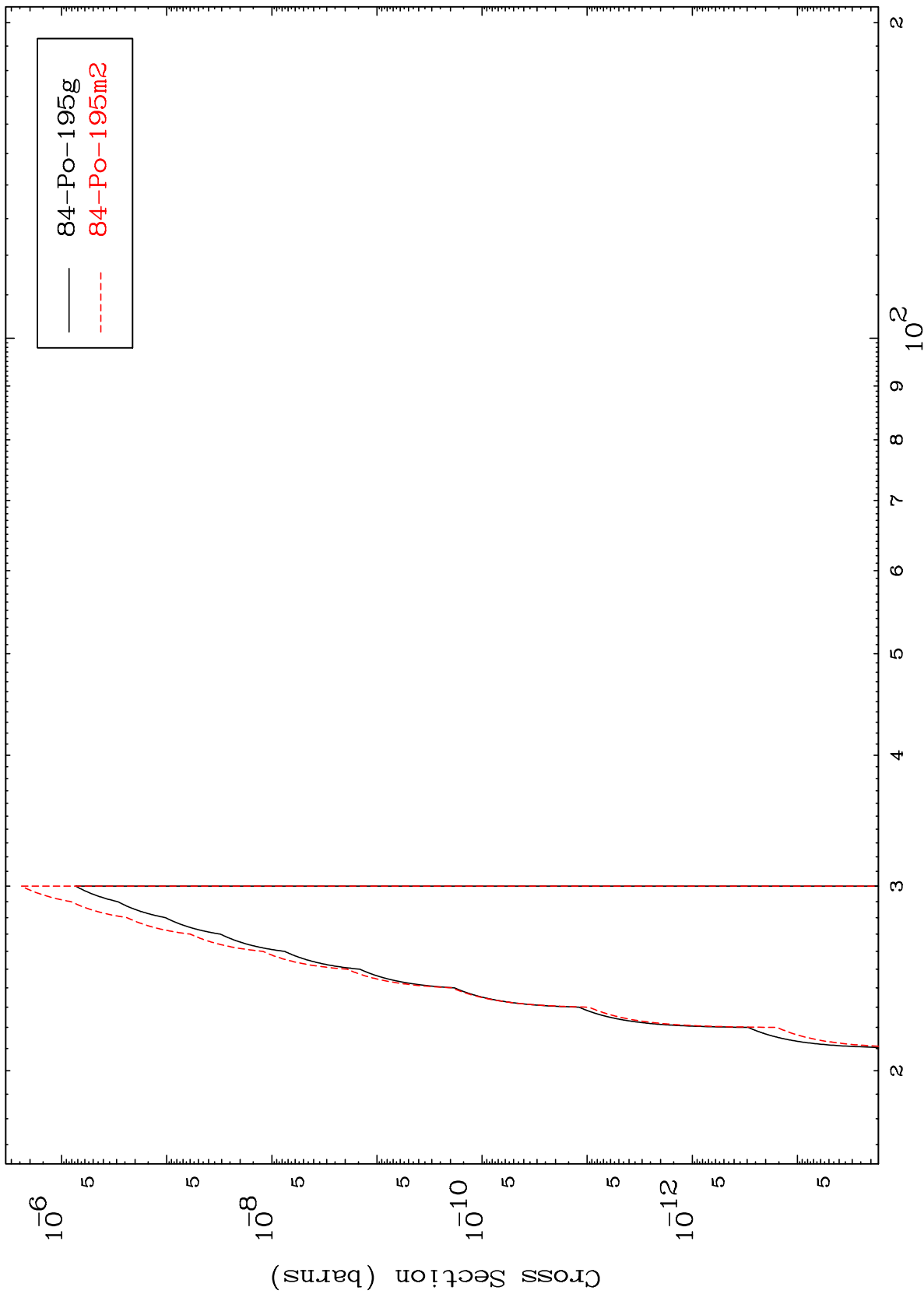
85-At-198



80

85-At-198

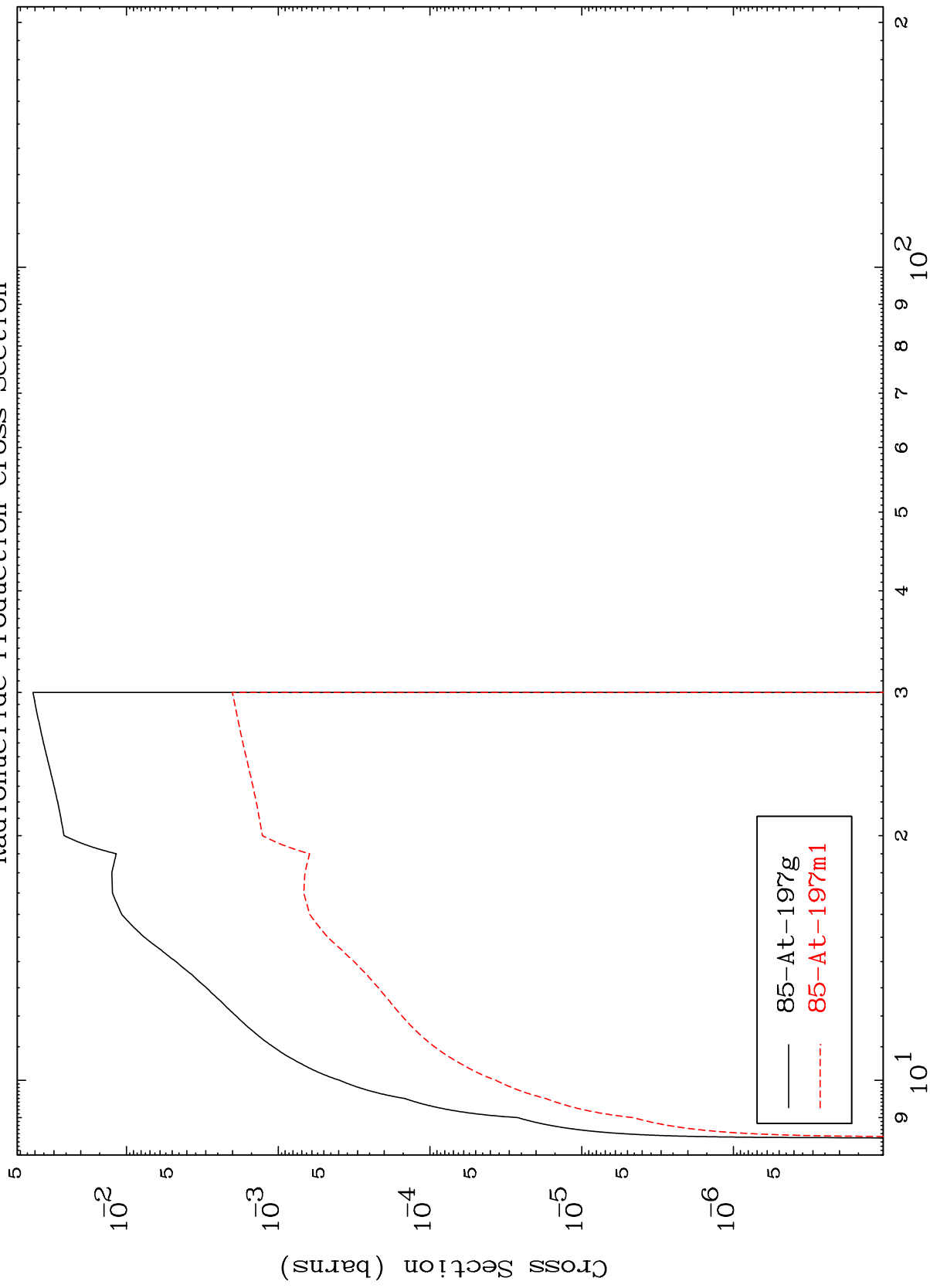
Radionuclide Production Cross Section



MAT 8510

85-At-198

(n,2n)
Radionuclide Production Cross Section



82

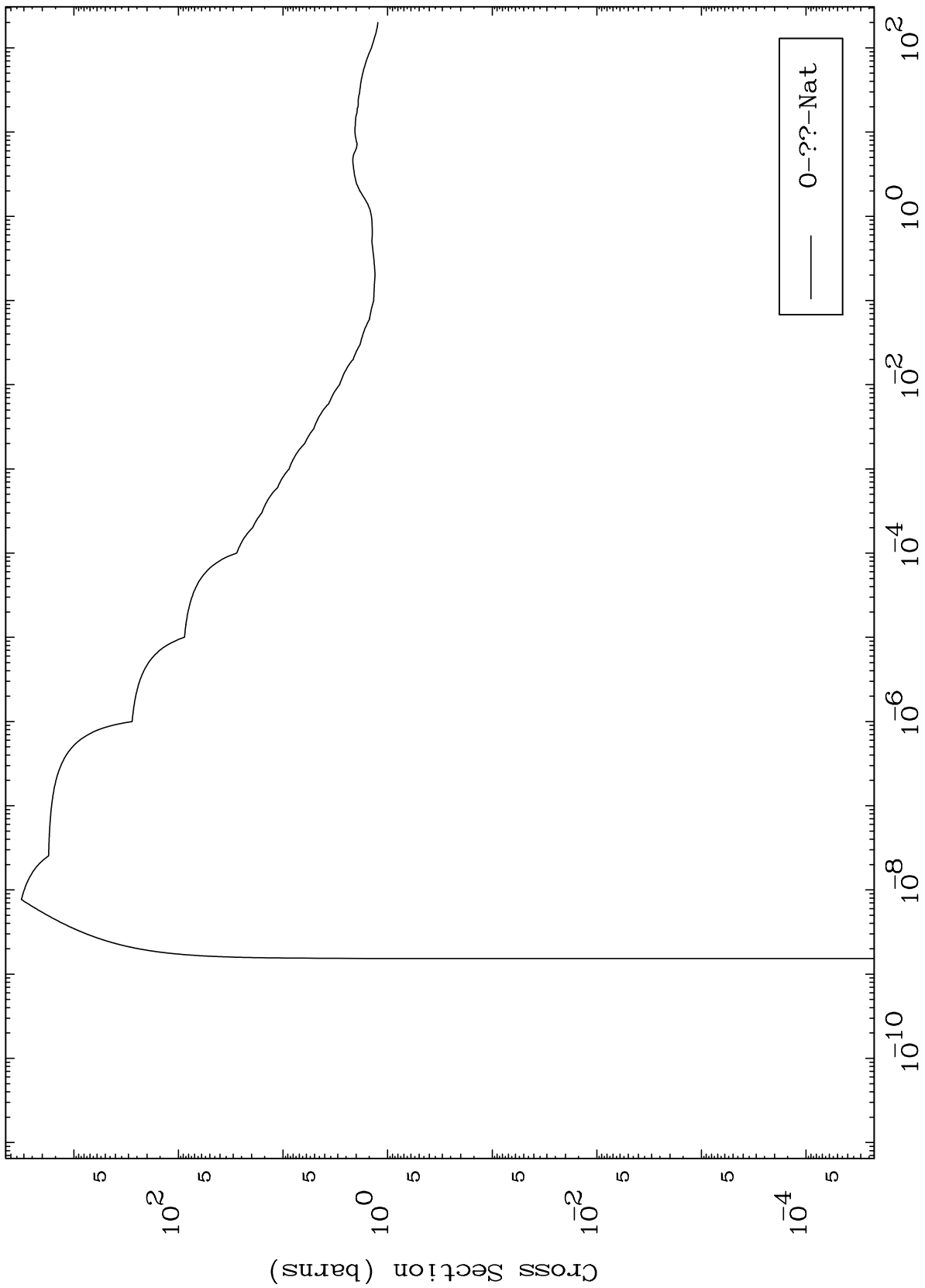
Incident Energy (MeV)

85-At-198

MAT 8510

85-At-198

Fission
Radionuclide Production Cross Section



83

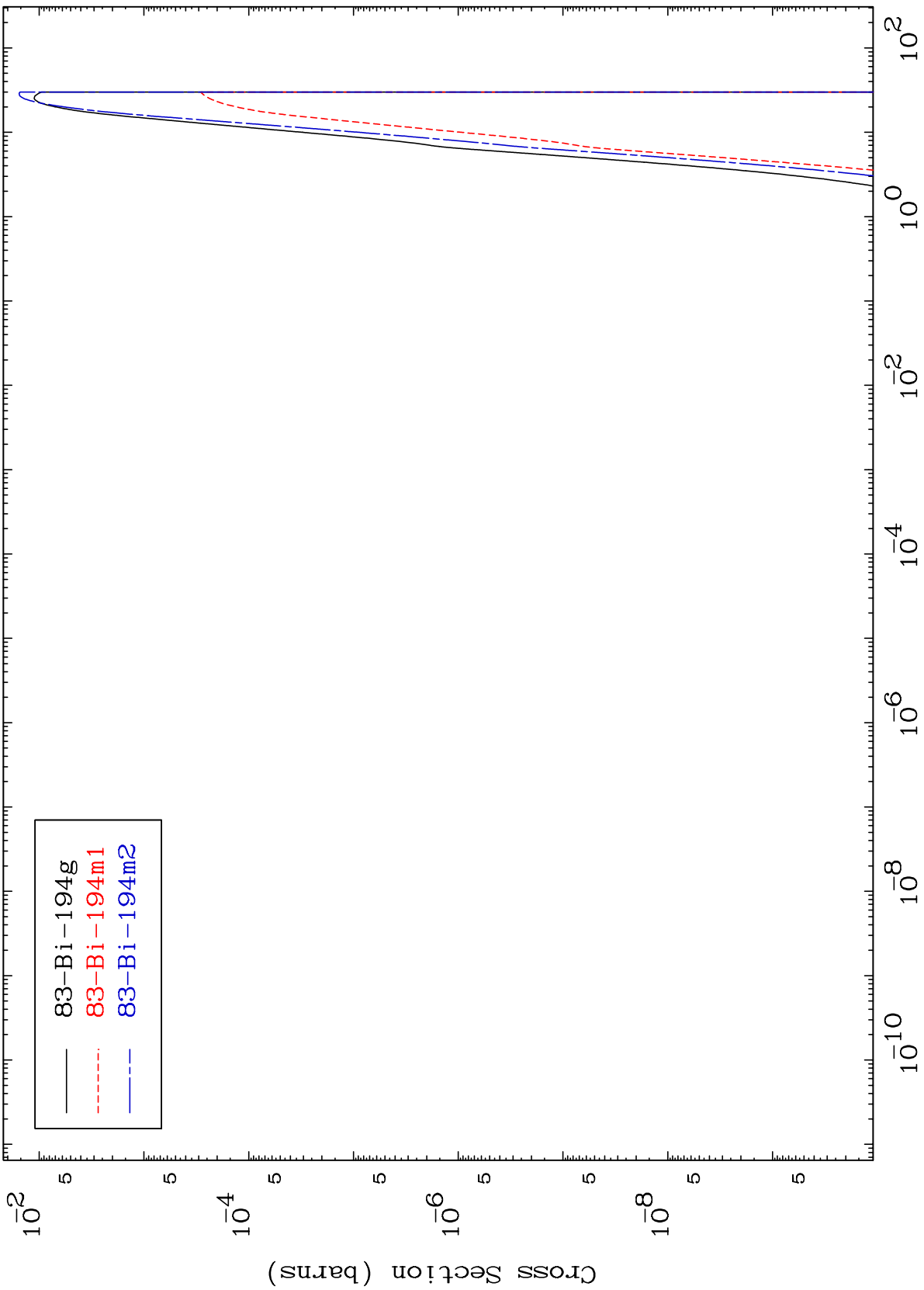
85-At-198

MAT 8510

$(n, n') \alpha$

85-At-198

Radionuclide Production Cross Section



84

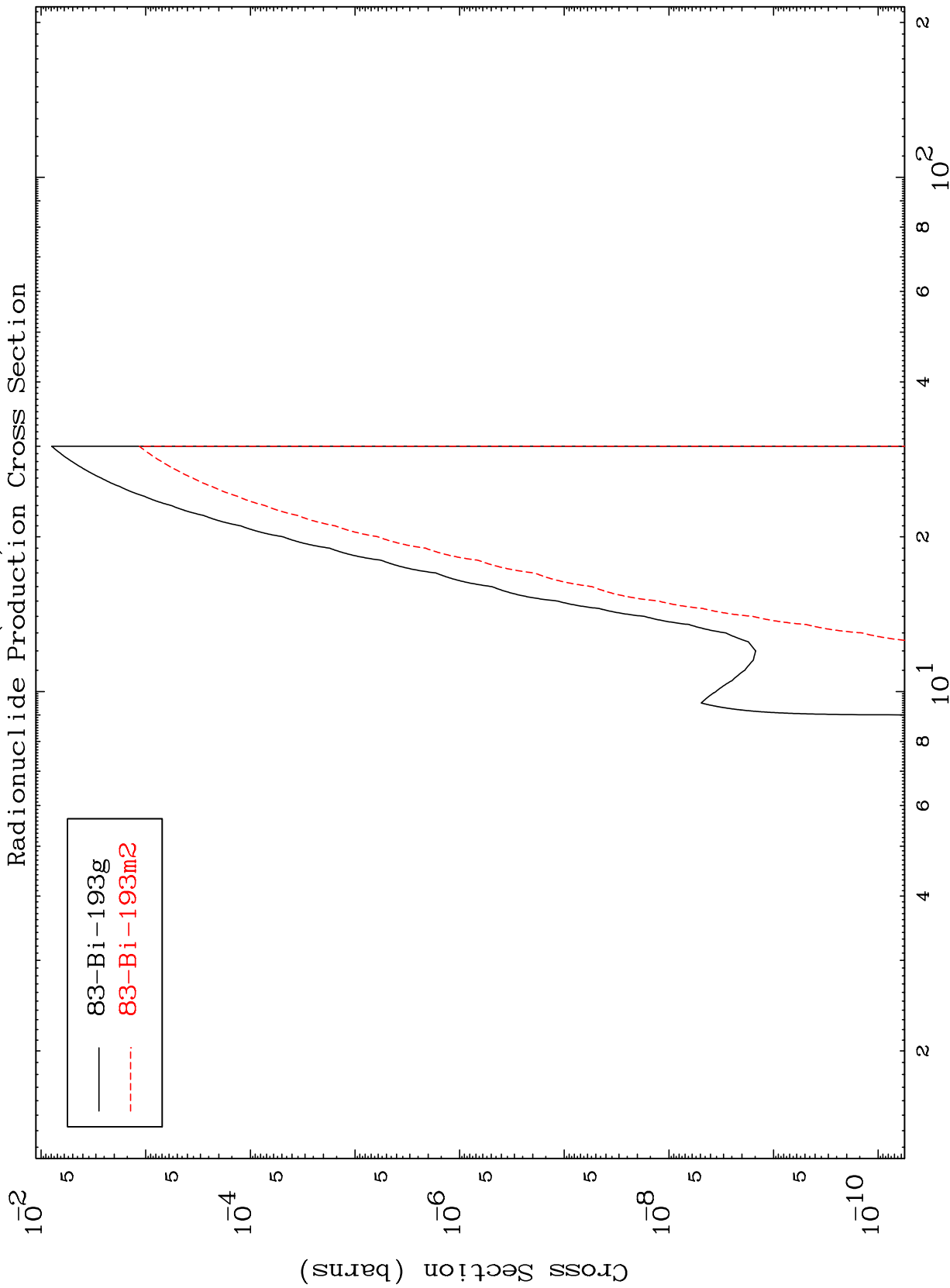
Incident Energy (MeV)

85-At-198

MAT 8510

(n,2n) α

85-At-198

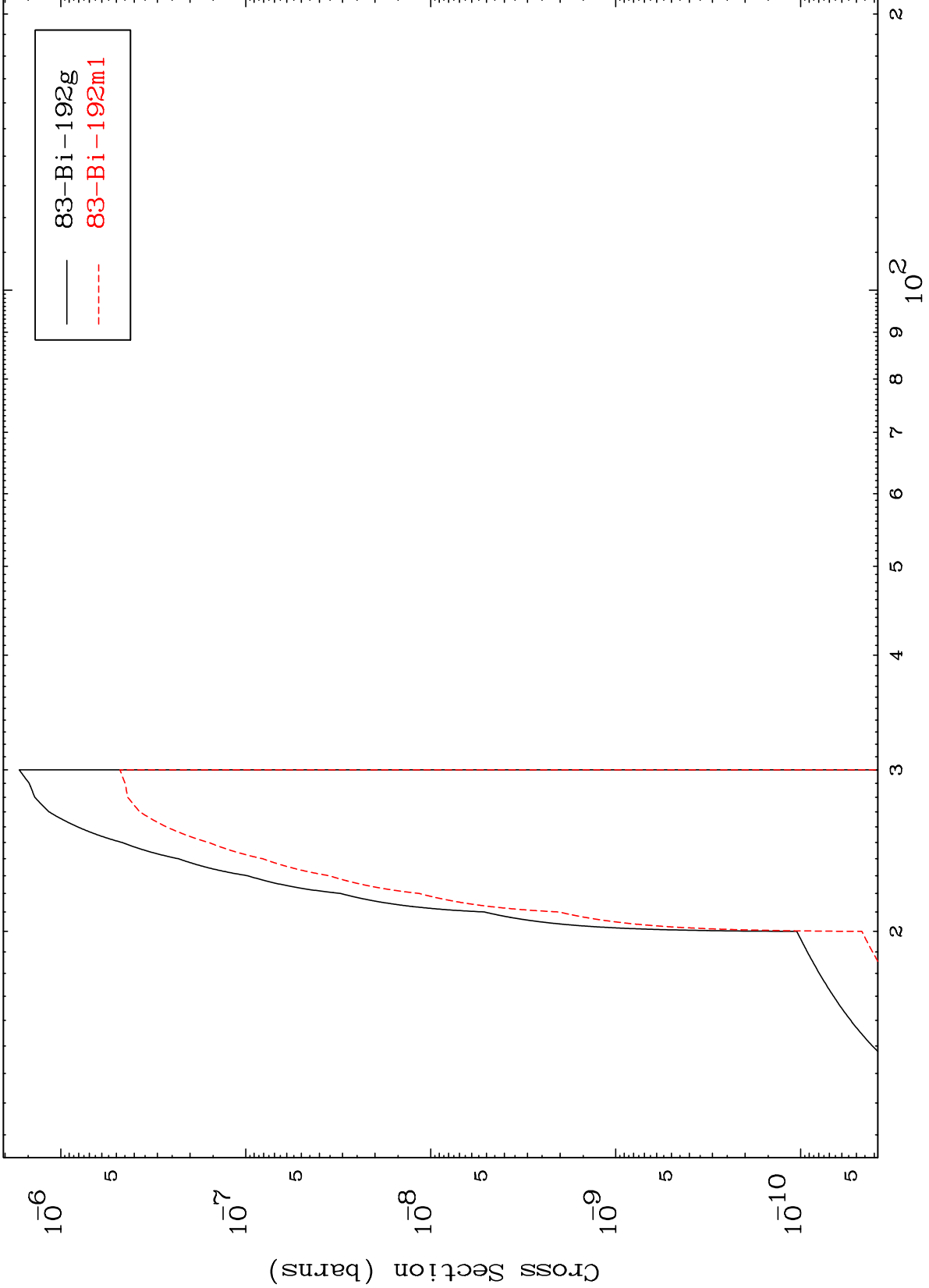


83-Bi-193g
83-Bi-193m2

85

85-At-198

Radionuclide Production Cross Section

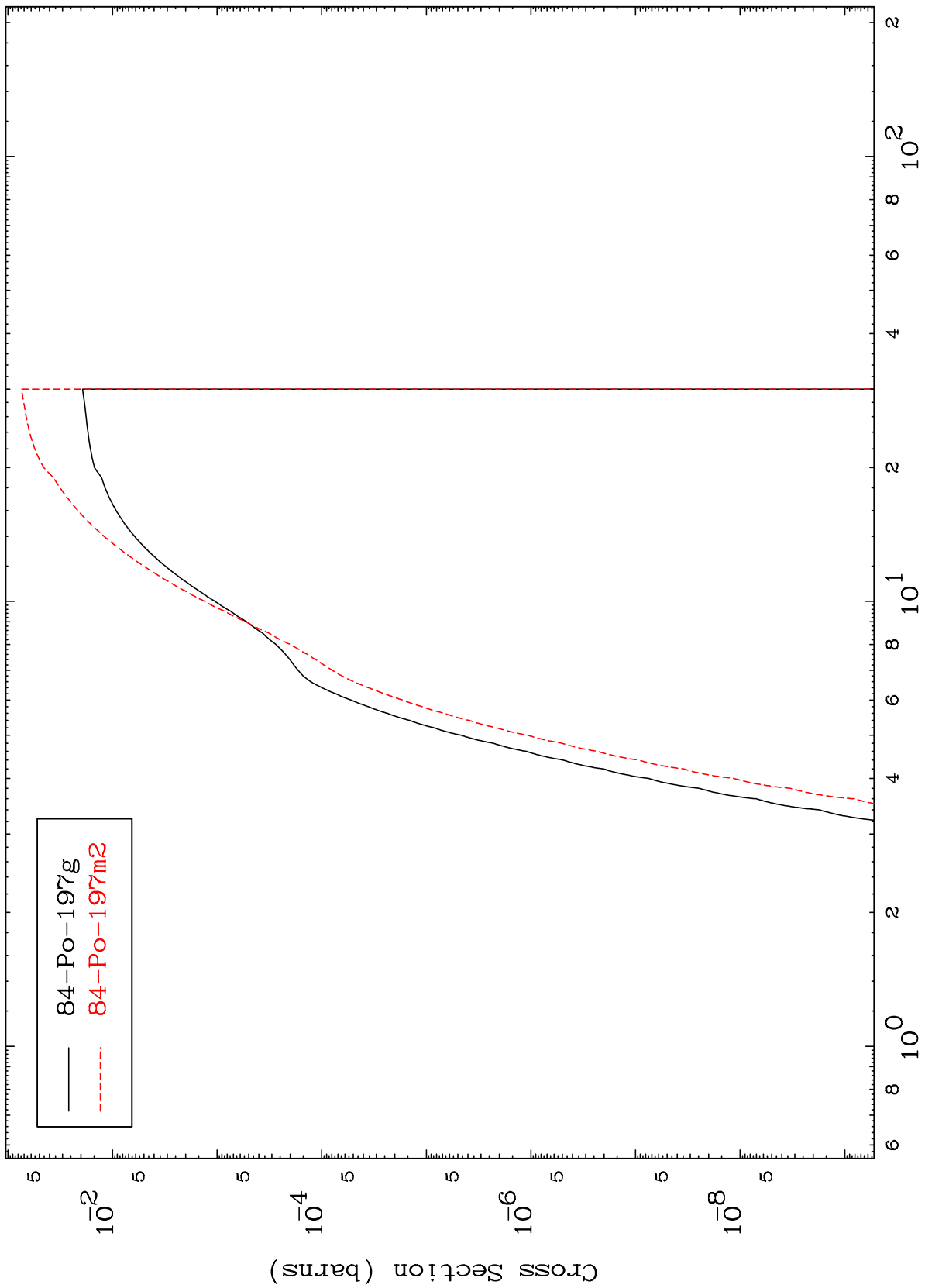


MAT 8510

(n,n') p

85-At-198

Radionuclide Production Cross Section



87

Incident Energy (MeV)

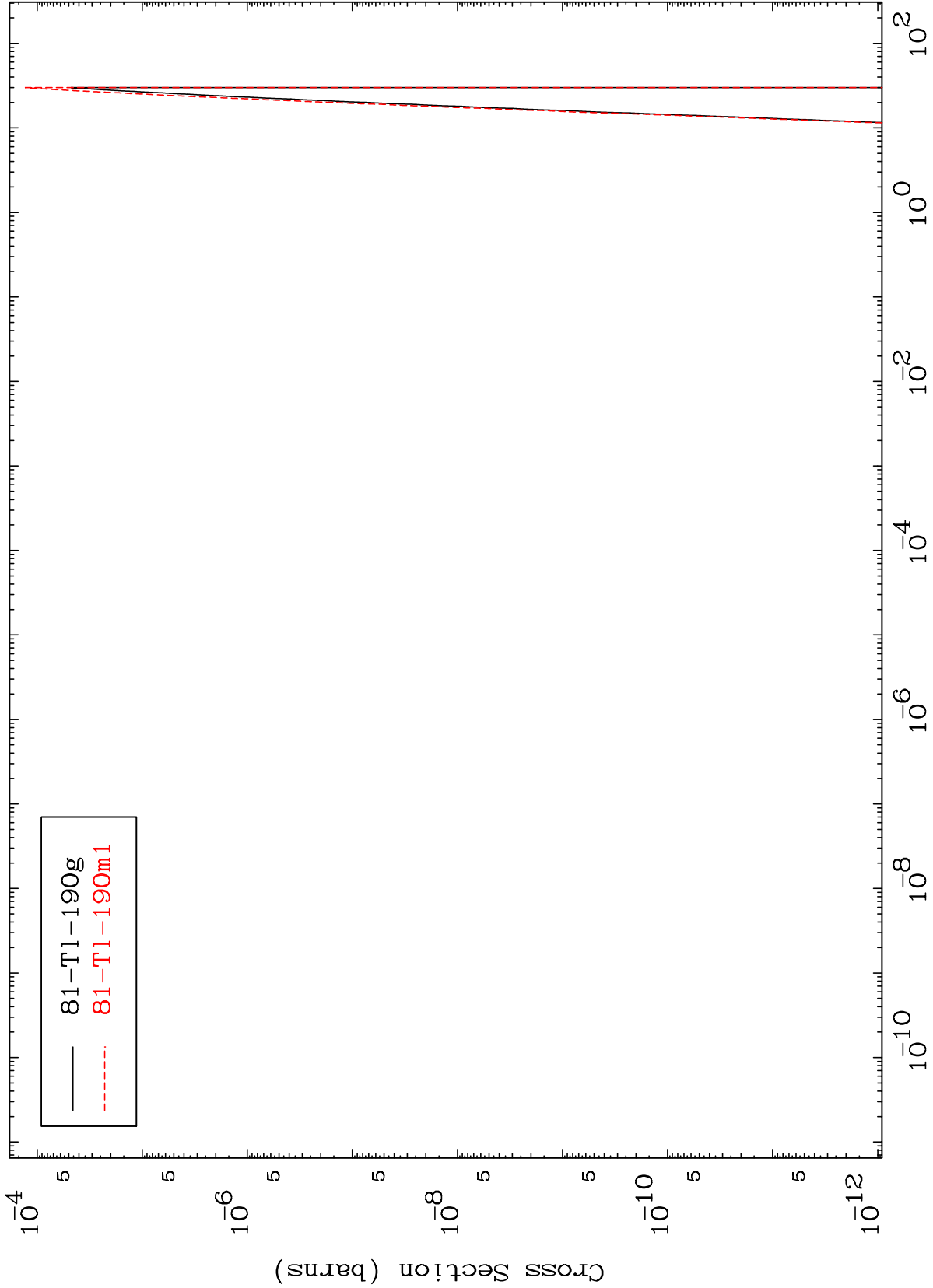
85-At-198

MAT 8510

(n,n') 2α

85-At-198

Radionuclide Production Cross Section



88

Incident Energy (MeV)

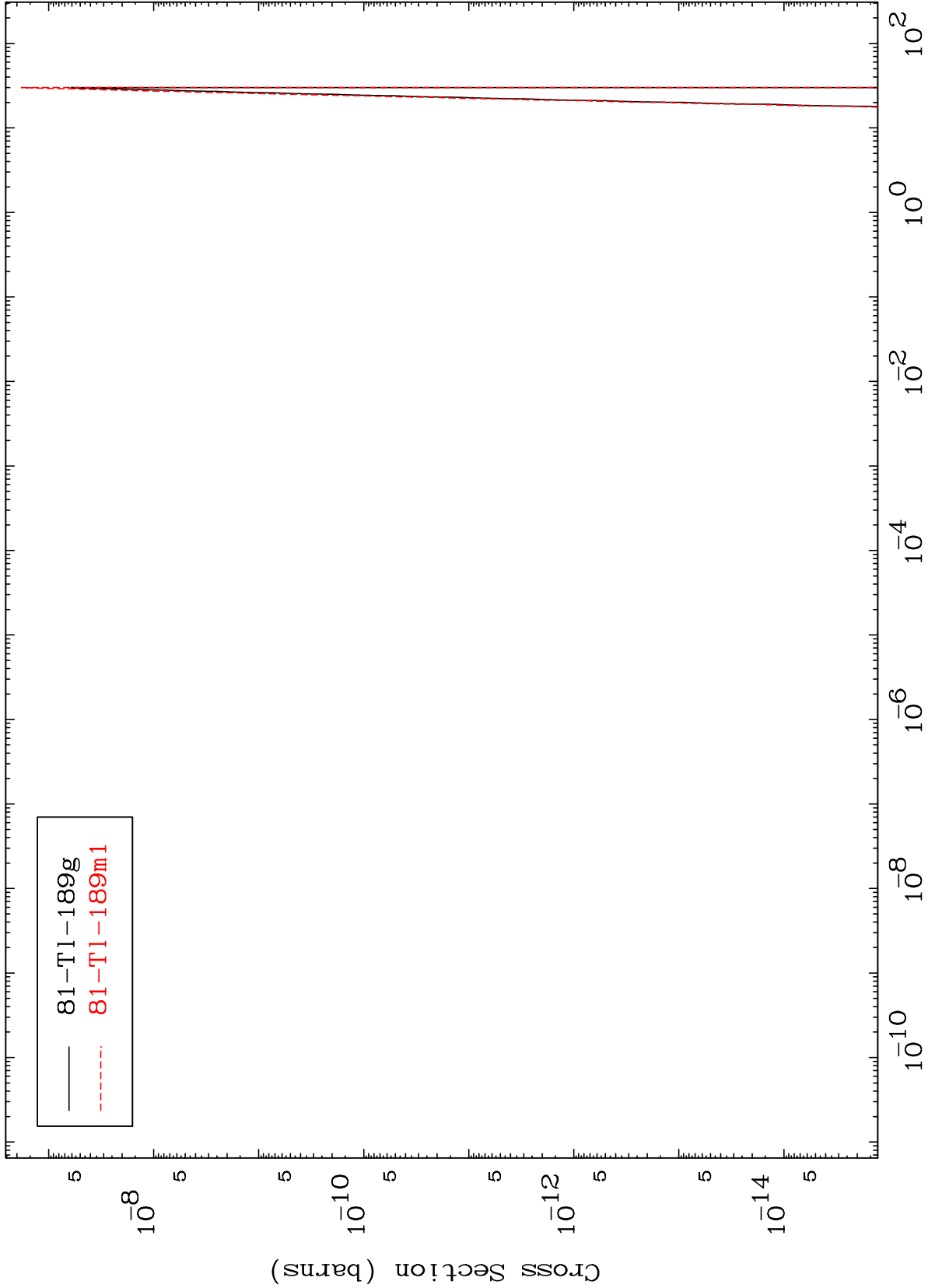
85-At-198

MAT 8510

(n,2n) 2α

85-At-198

Radionuclide Production Cross Section



89

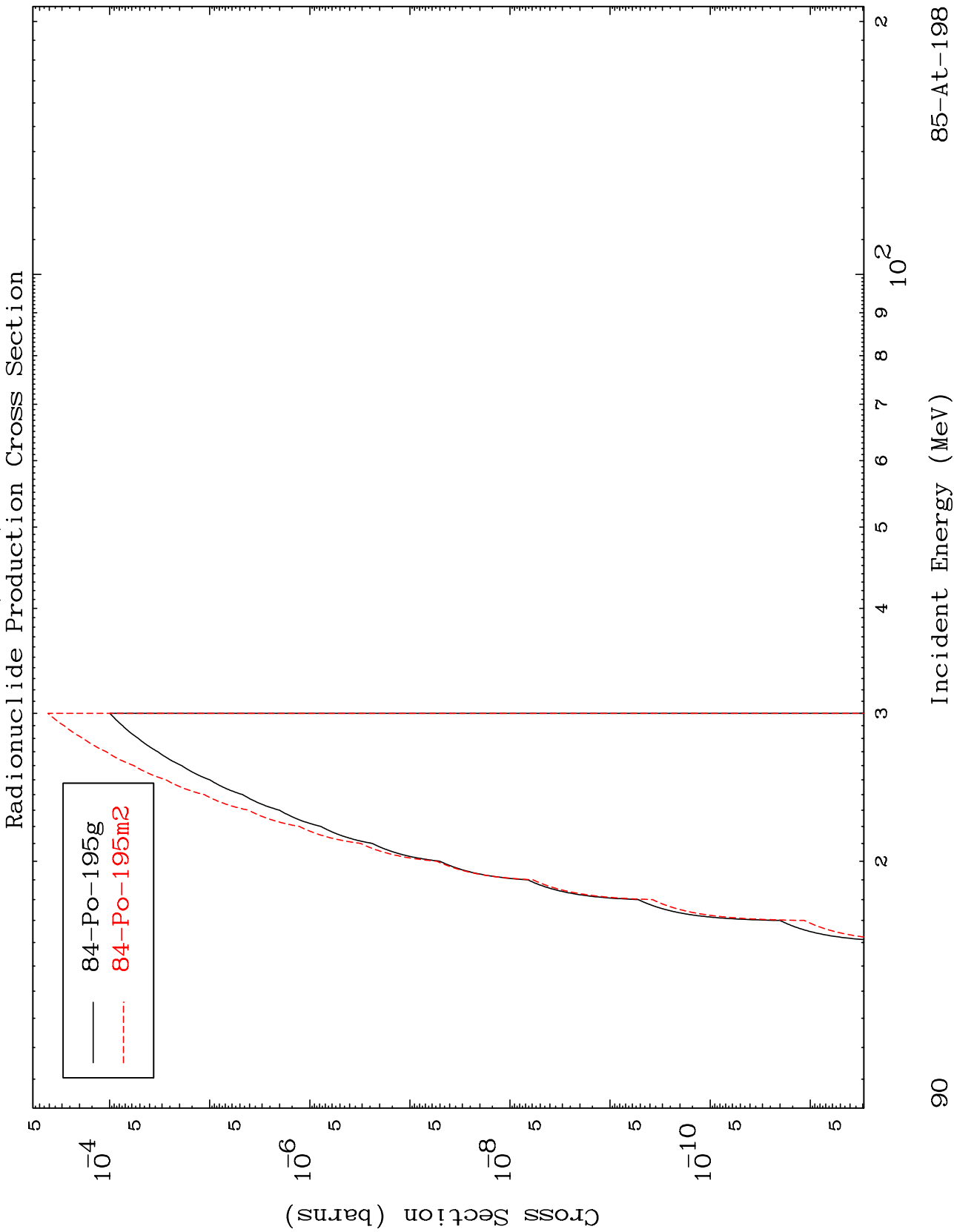
Incident Energy (MeV)

85-At-198

MAT 8510

(n,n') t

85-At-198



90

Incident Energy (MeV)

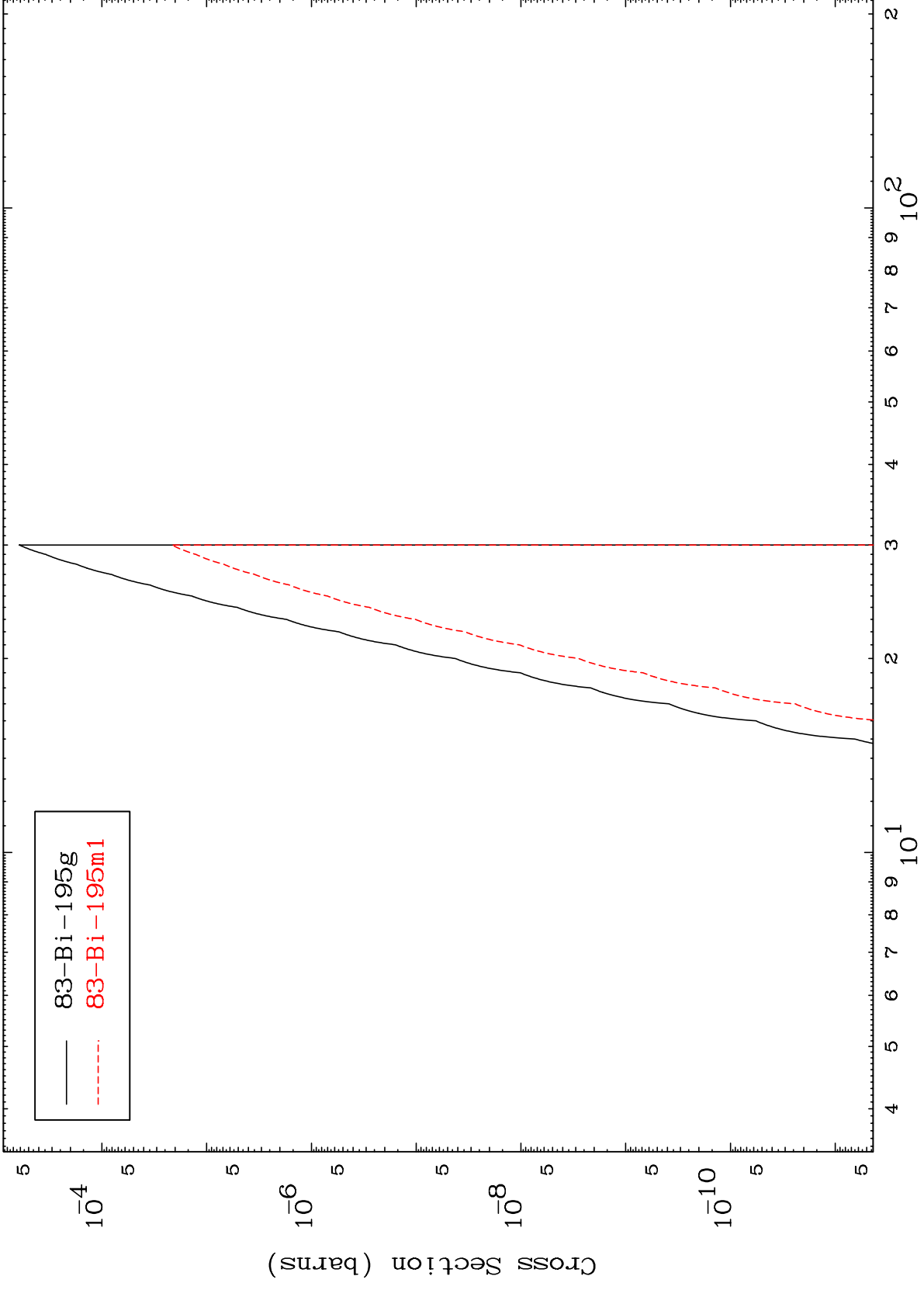
85-At-198

MAT 8510

(n,n') He-3

85-At-198

Radionuclide Production Cross Section

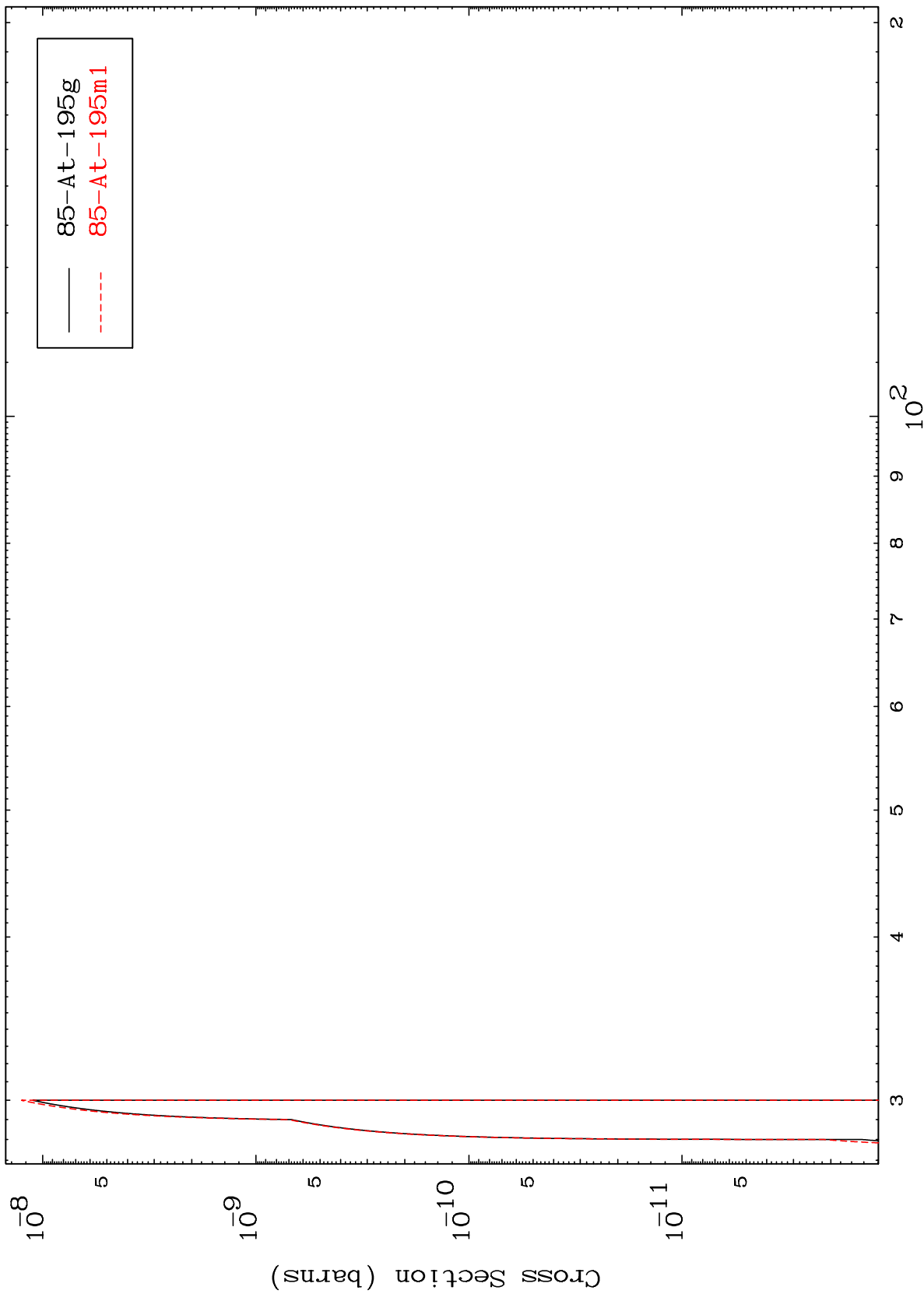


83-Bi-195g
83-Bi-195m1

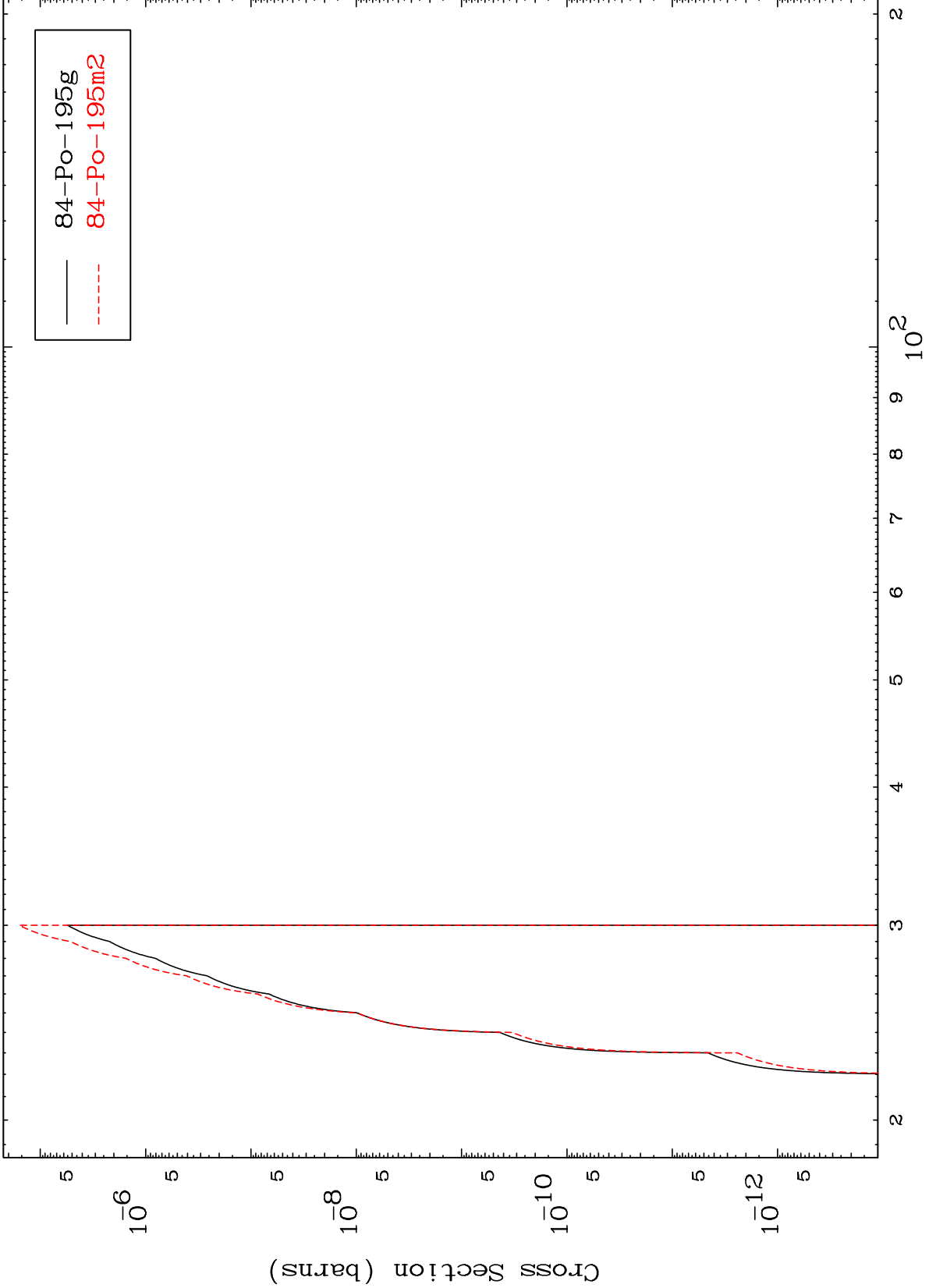
MAT 8510

85-At-198

(n,4n)
Radionuclide Production Cross Section



Radionuclide Production Cross Section

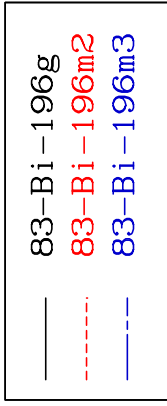
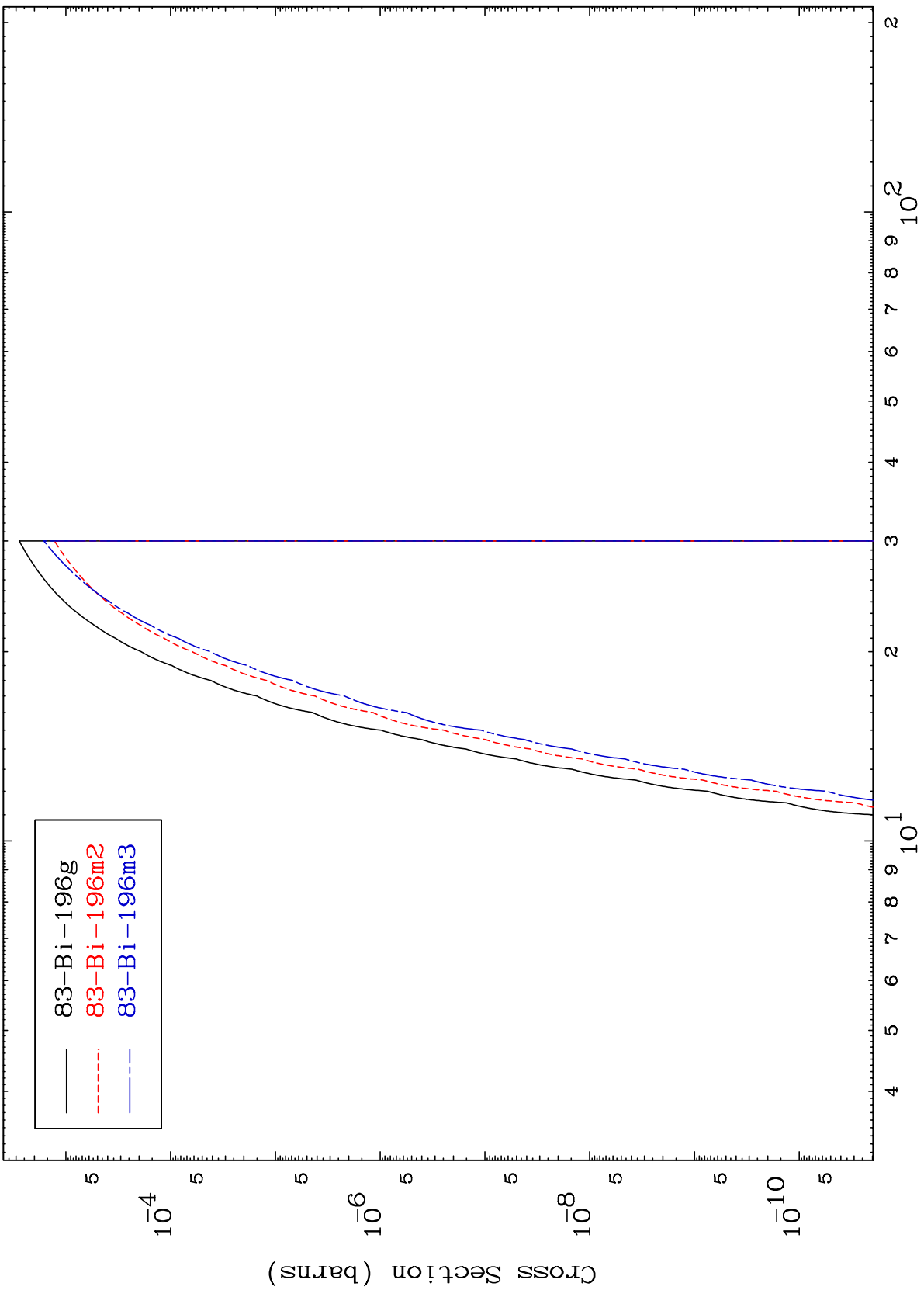


MAT 8510

(n,2n) p

85-At-198

Radionuclide Production Cross Section



94

Incident Energy (MeV)

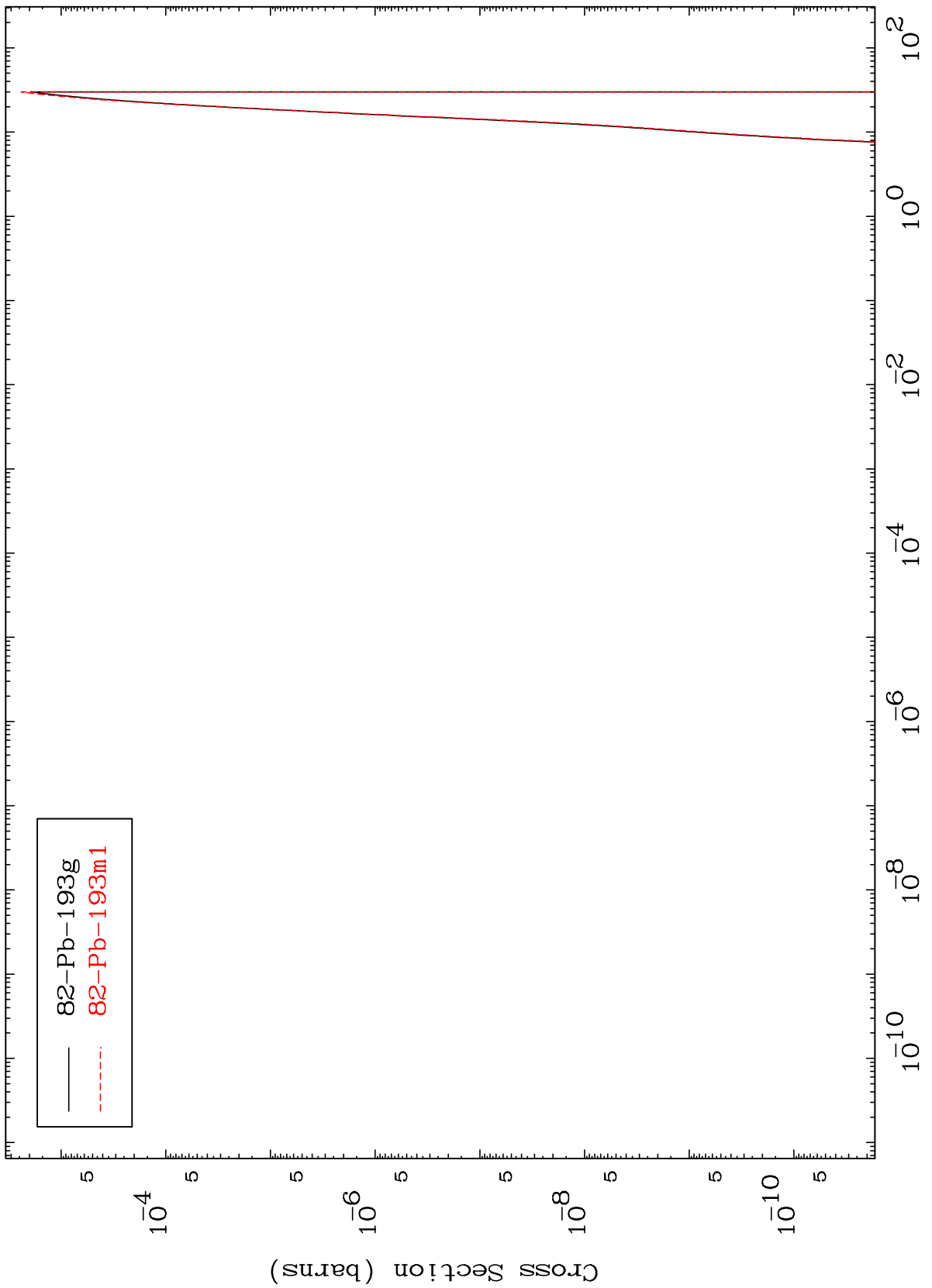
85-At-198

MAT 8510

(n,n') p α

85-At-198

Radionuclide Production Cross Section



95

Incident Energy (MeV)

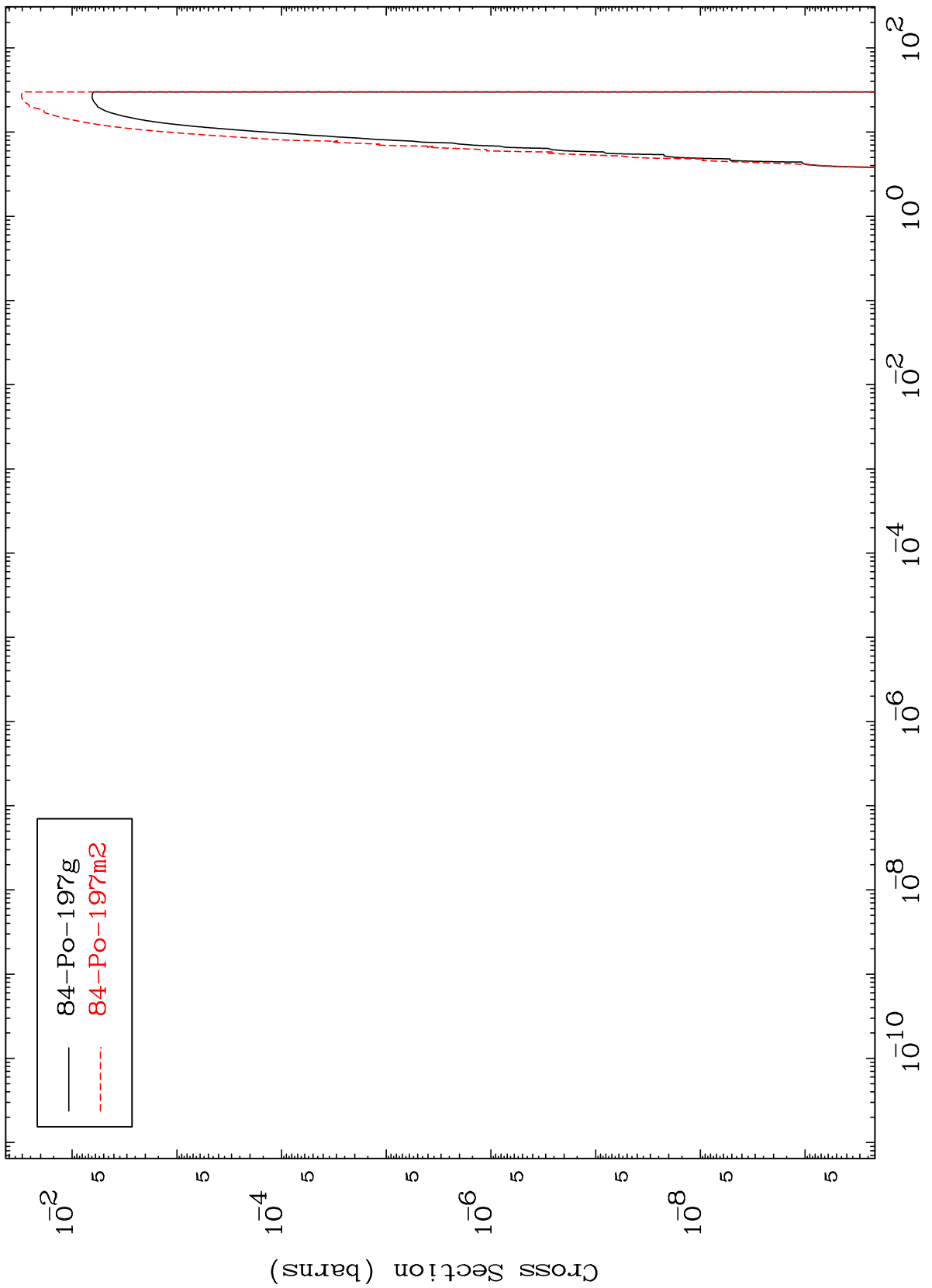
85-At-198

MAT 8510

(n,d)

85-At-198

Radionuclide Production Cross Section



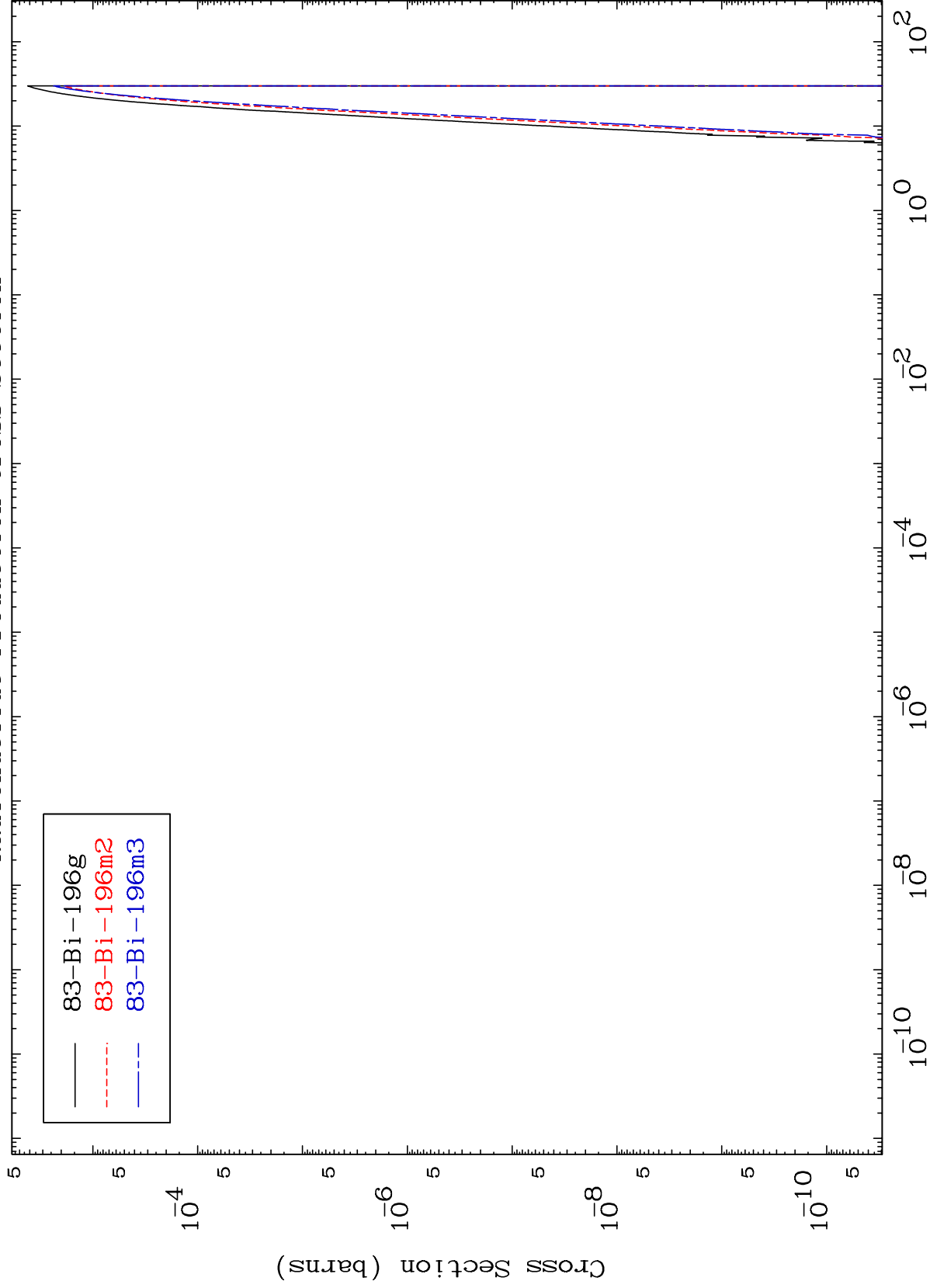
— 84-Po-197g
- - - 84-Po-197m2

MAT 8510

(n,He-3)

85-At-198

Radionuclide Production Cross Section



97

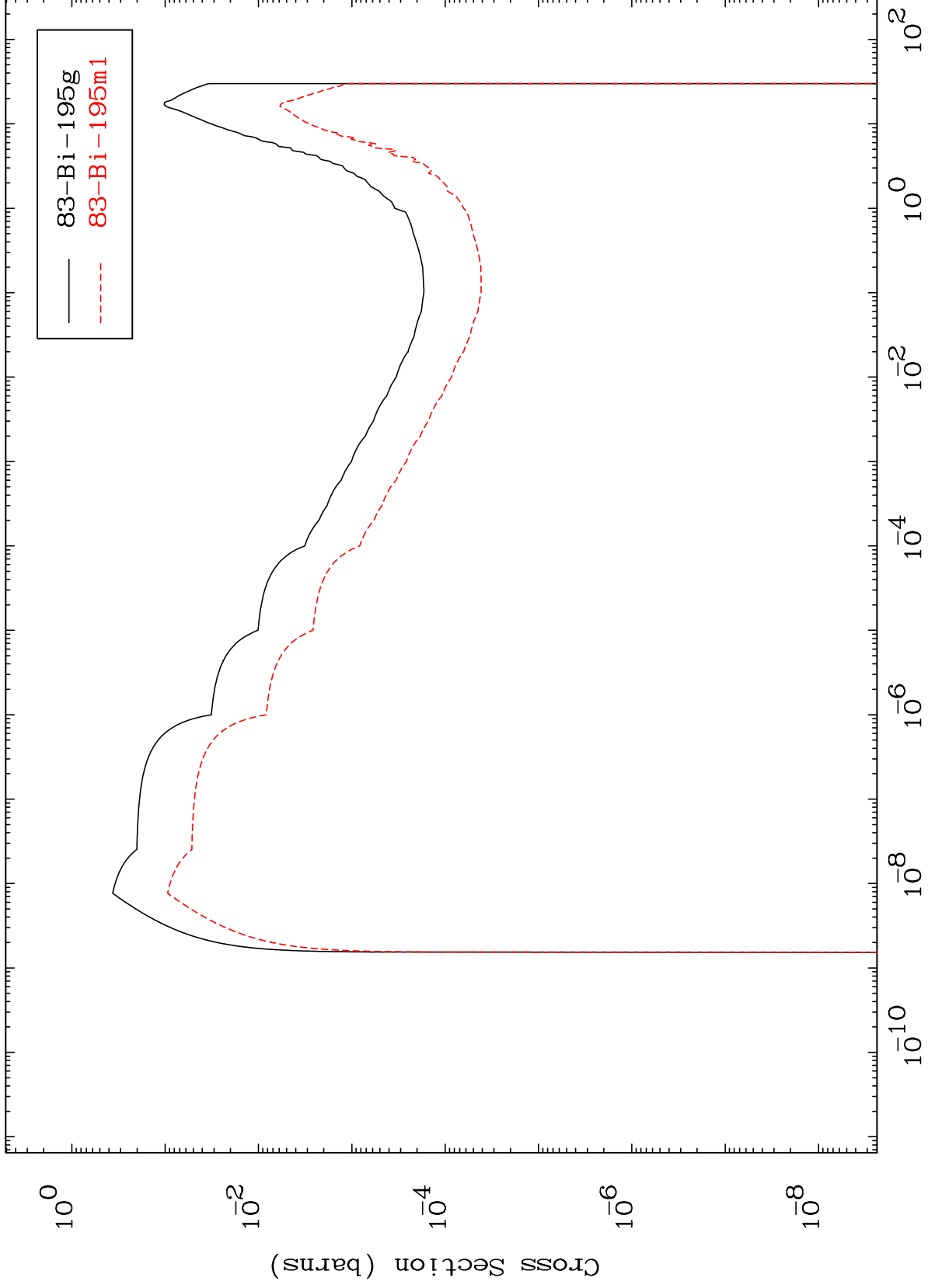
Incident Energy (MeV)

85-At-198

MAT 8510

85-At-198

(n, α)
Radionuclide Production Cross Section



98

85-At-198

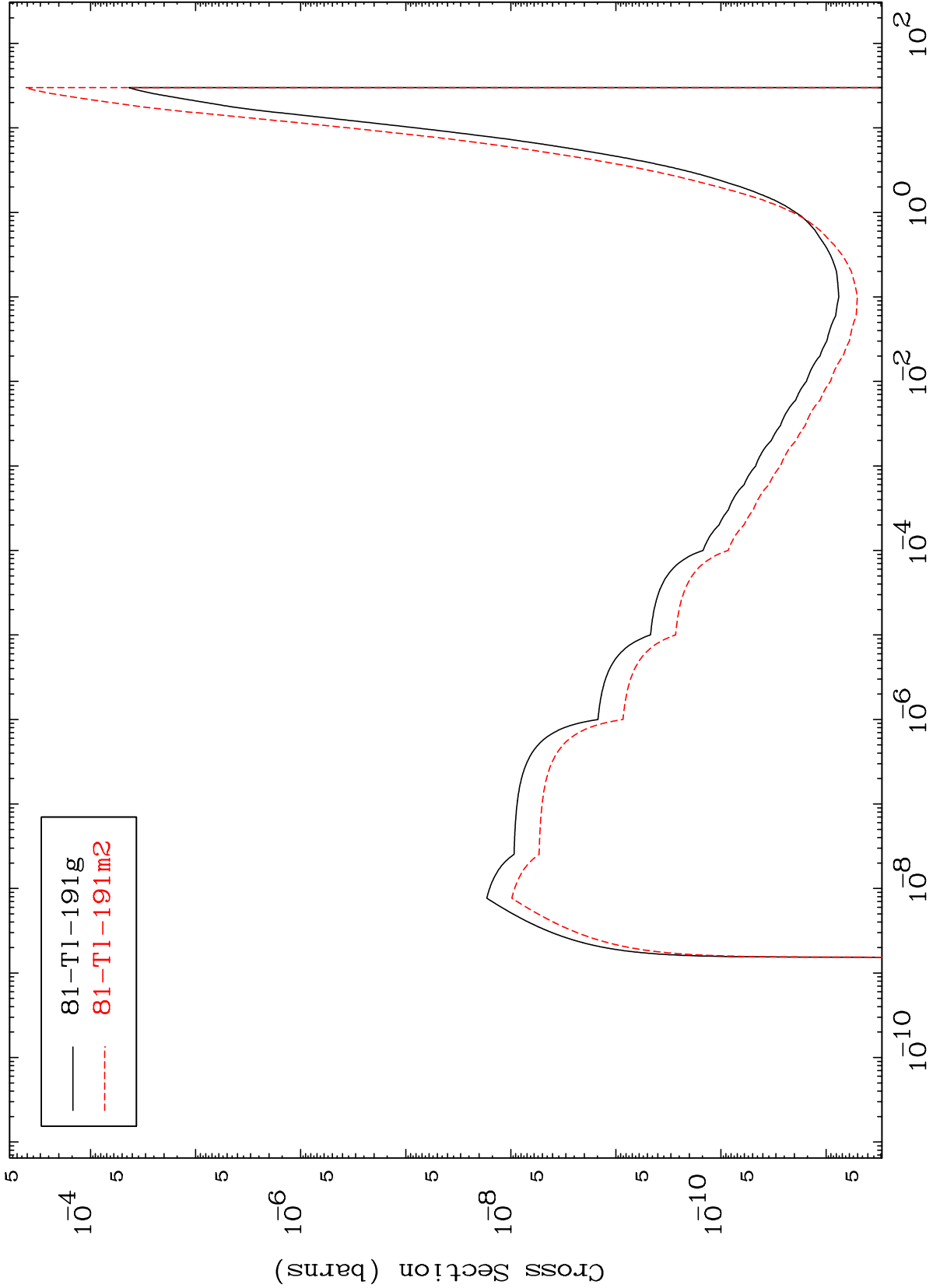
Incident Energy (MeV)

MAT 8510

(n,2α)

85-At-198

Radionuclide Production Cross Section



99

Incident Energy (MeV)

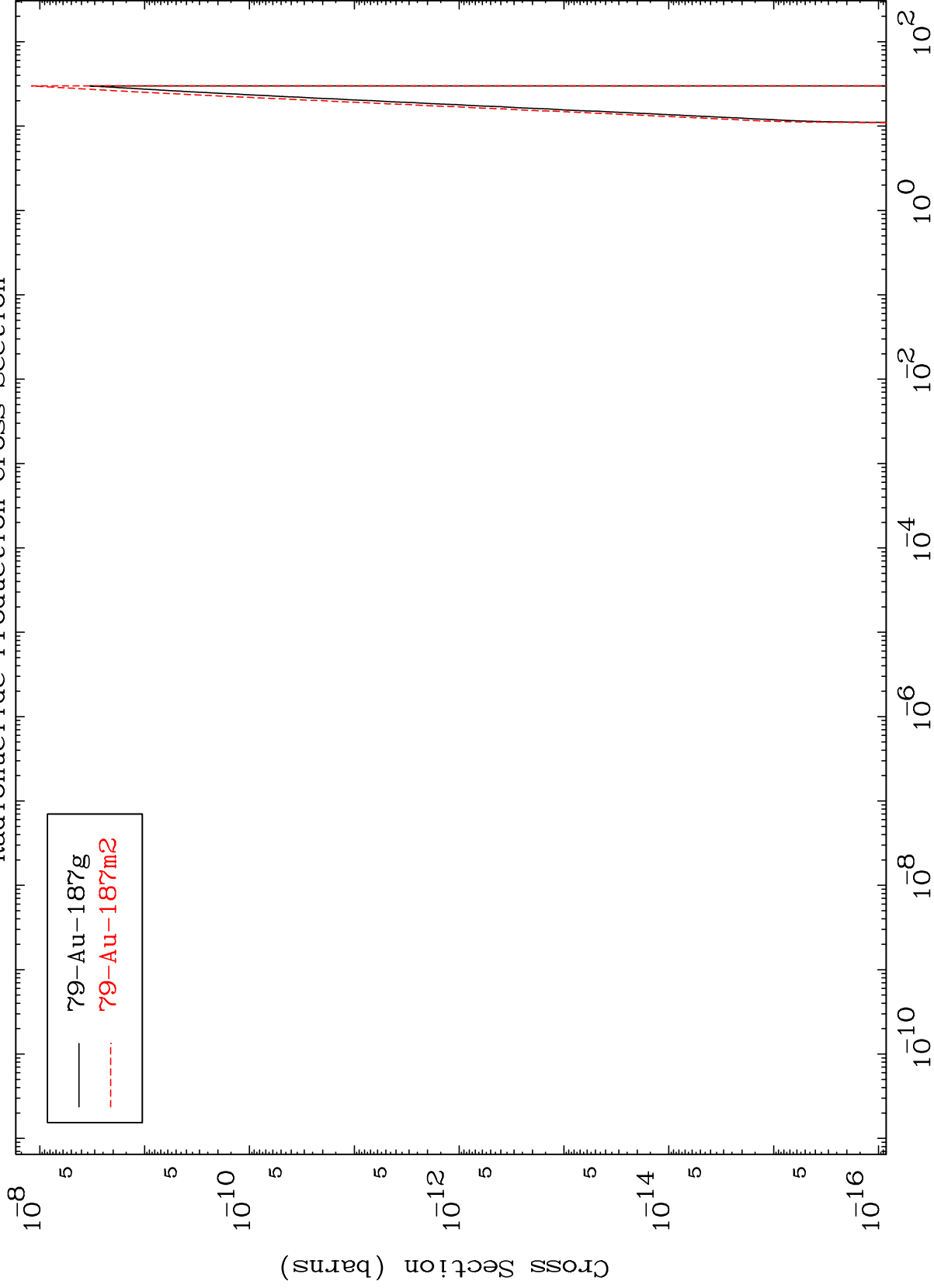
85-At-198

MAT 8510

(n,3 α)

85-At-198

Radionuclide Production Cross Section



100

Incident Energy (MeV)

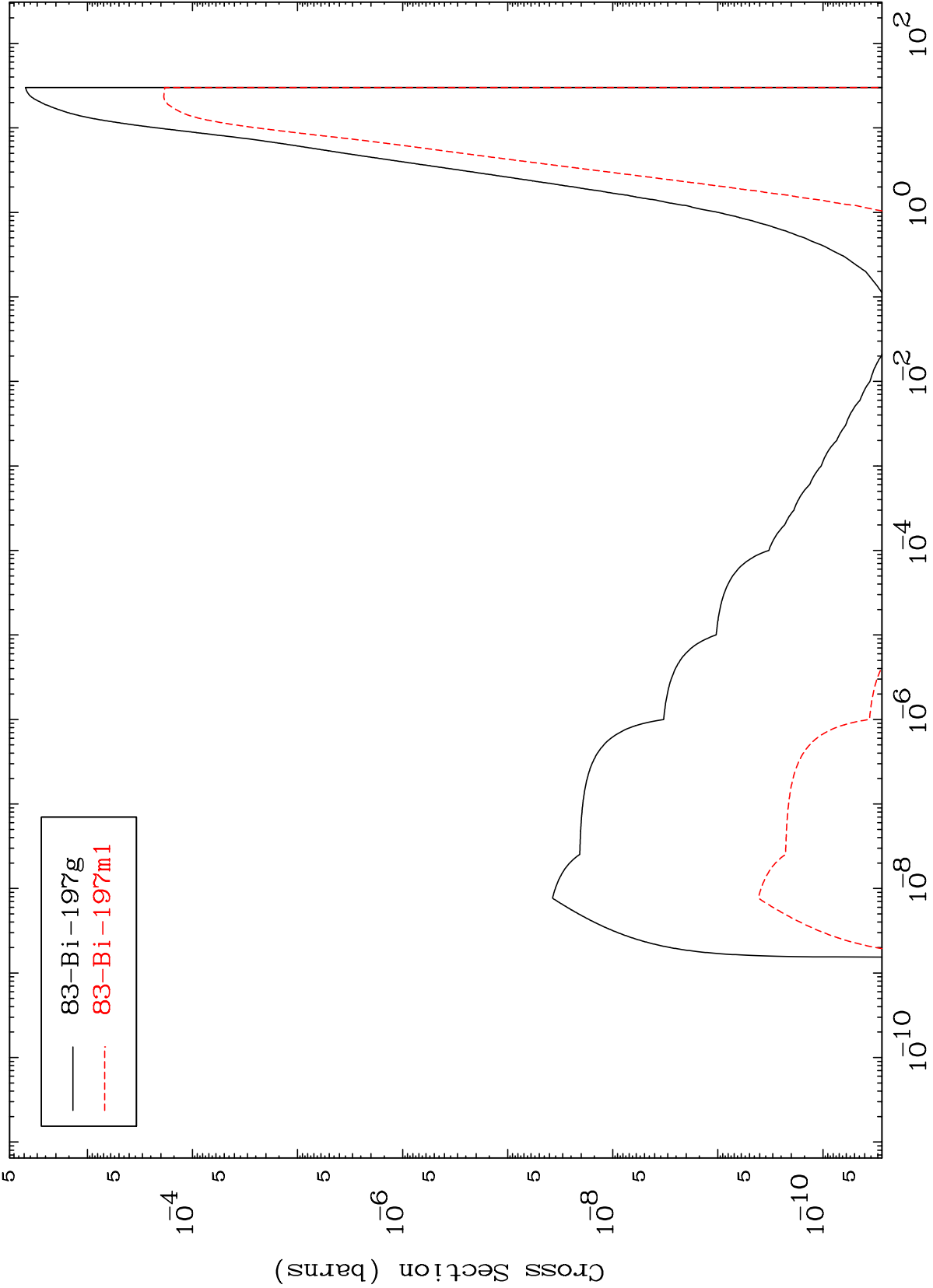
85-At-198

MAT 8510

(n,2p)

85-At-198

Radionuclide Production Cross Section



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

101

Incident Energy (MeV)

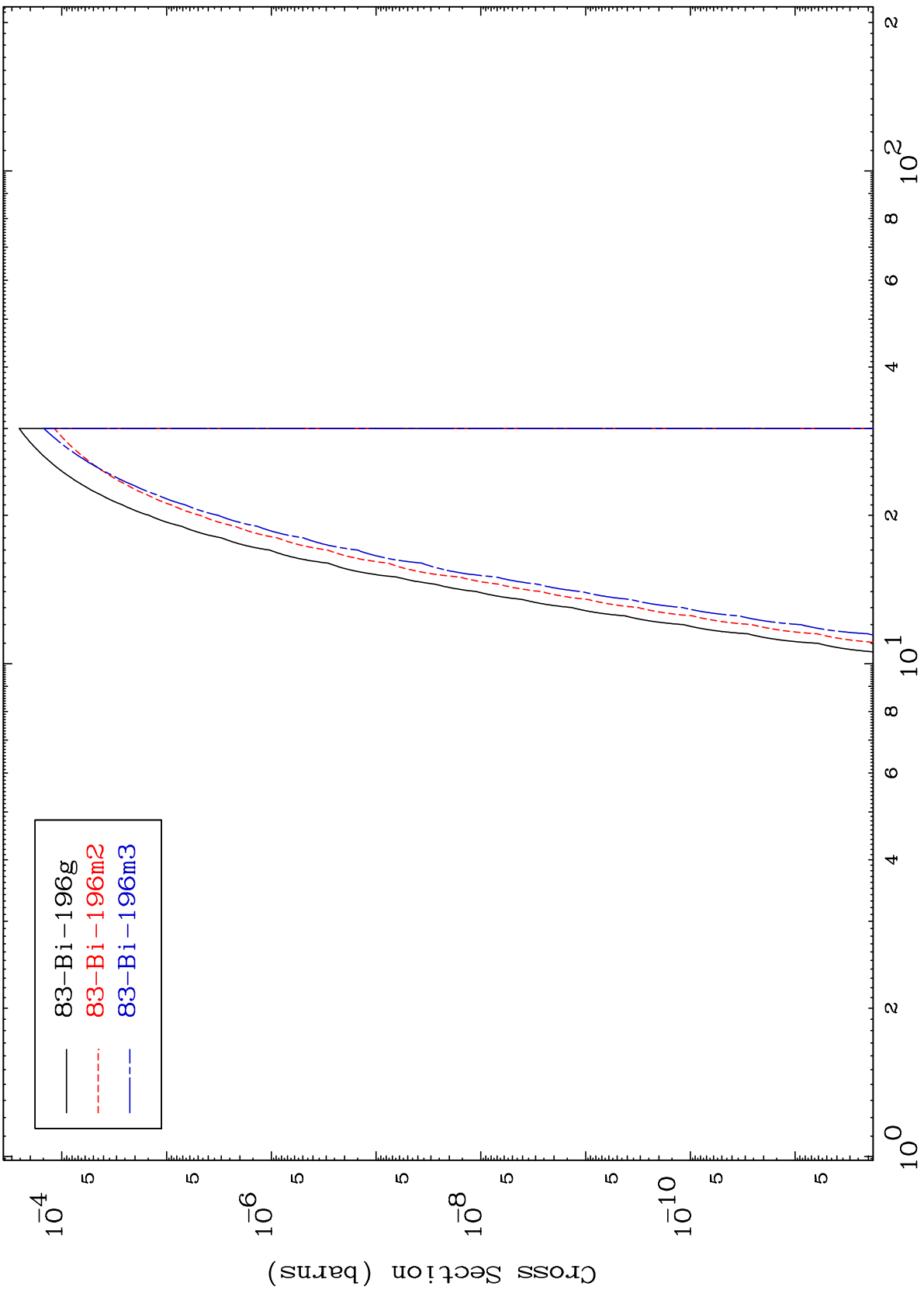
85-At-198

MAT 8510

(n,p) d

85-At-198

Radionuclide Production Cross Section



83-Bi-196g
83-Bi-196m2
83-Bi-196m3

102

Incident Energy (MeV)

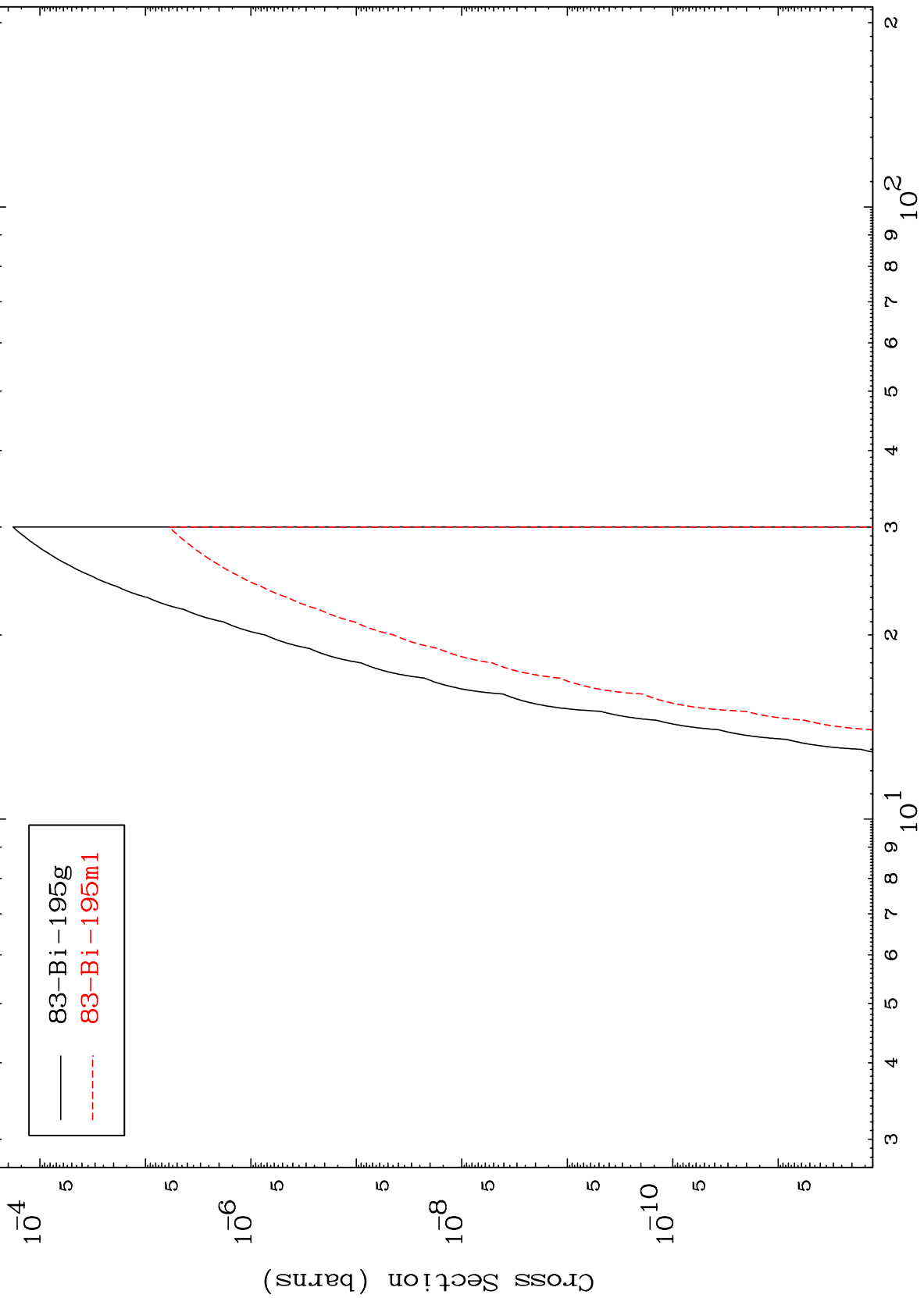
85-At-198

MAT 8510

(n,p) t

85-At-198

Radionuclide Production Cross Section



— 83-Bi-195g
- - - 83-Bi-195m1

103

Incident Energy (MeV)

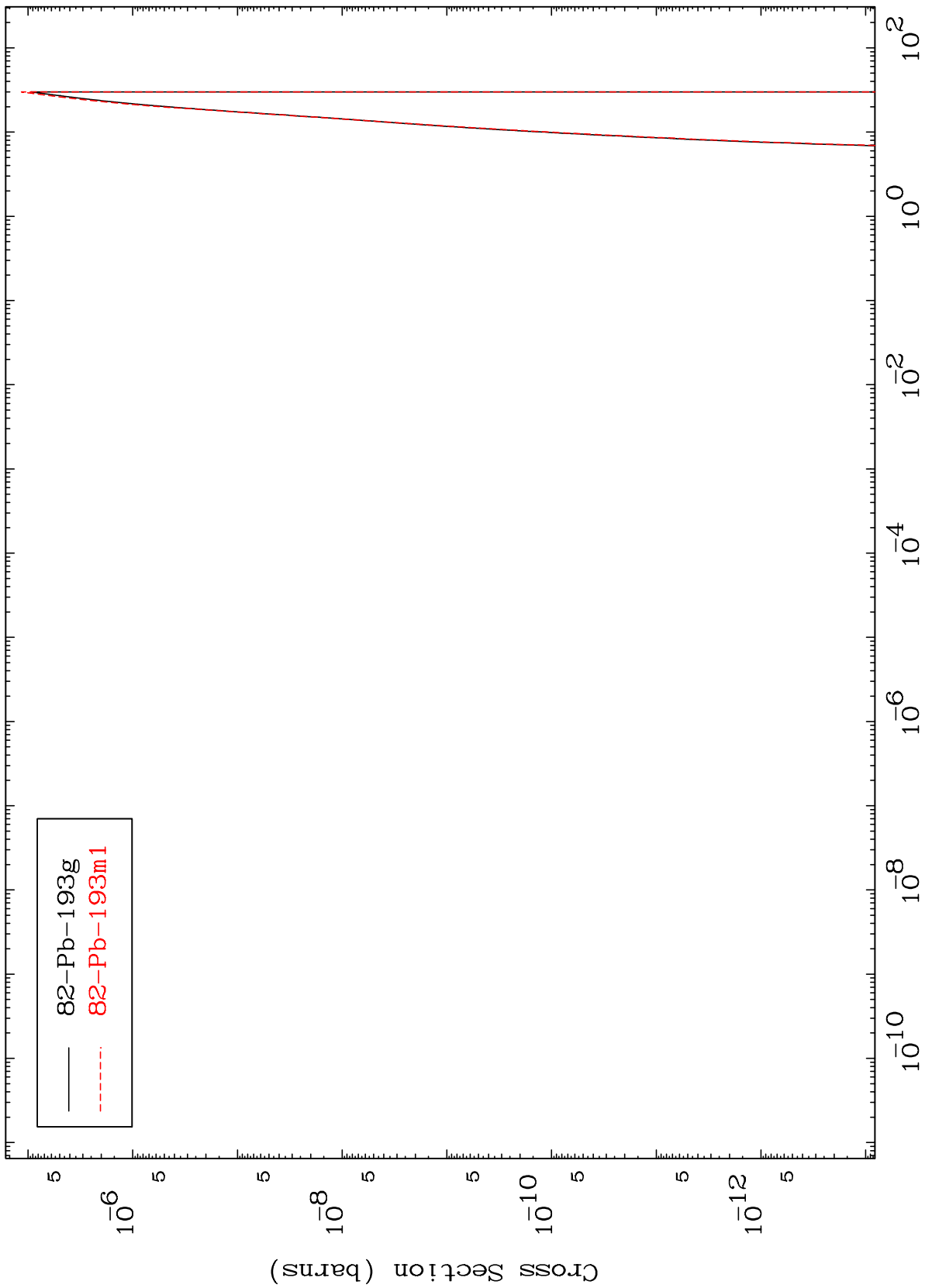
85-At-198

MAT 8510

(n,d) α

85-At-198

Radionuclide Production Cross Section



104

Incident Energy (MeV)

85-At-198