

Program EVALPLOT
(Version 2021-1)

by

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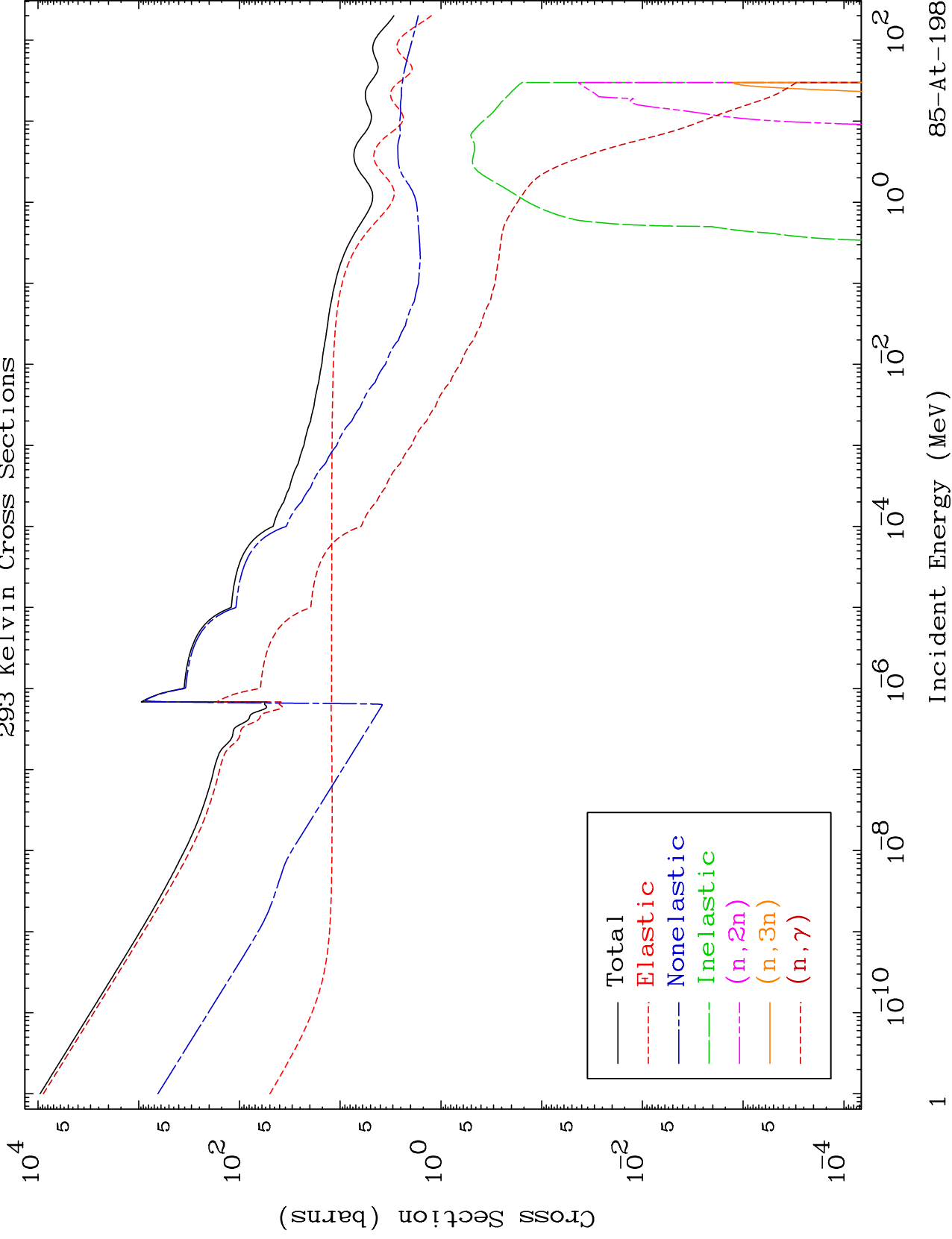
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Press Mouse Button to Start

MAT 8510

Neutron Major
293 Kelvin Cross Sections

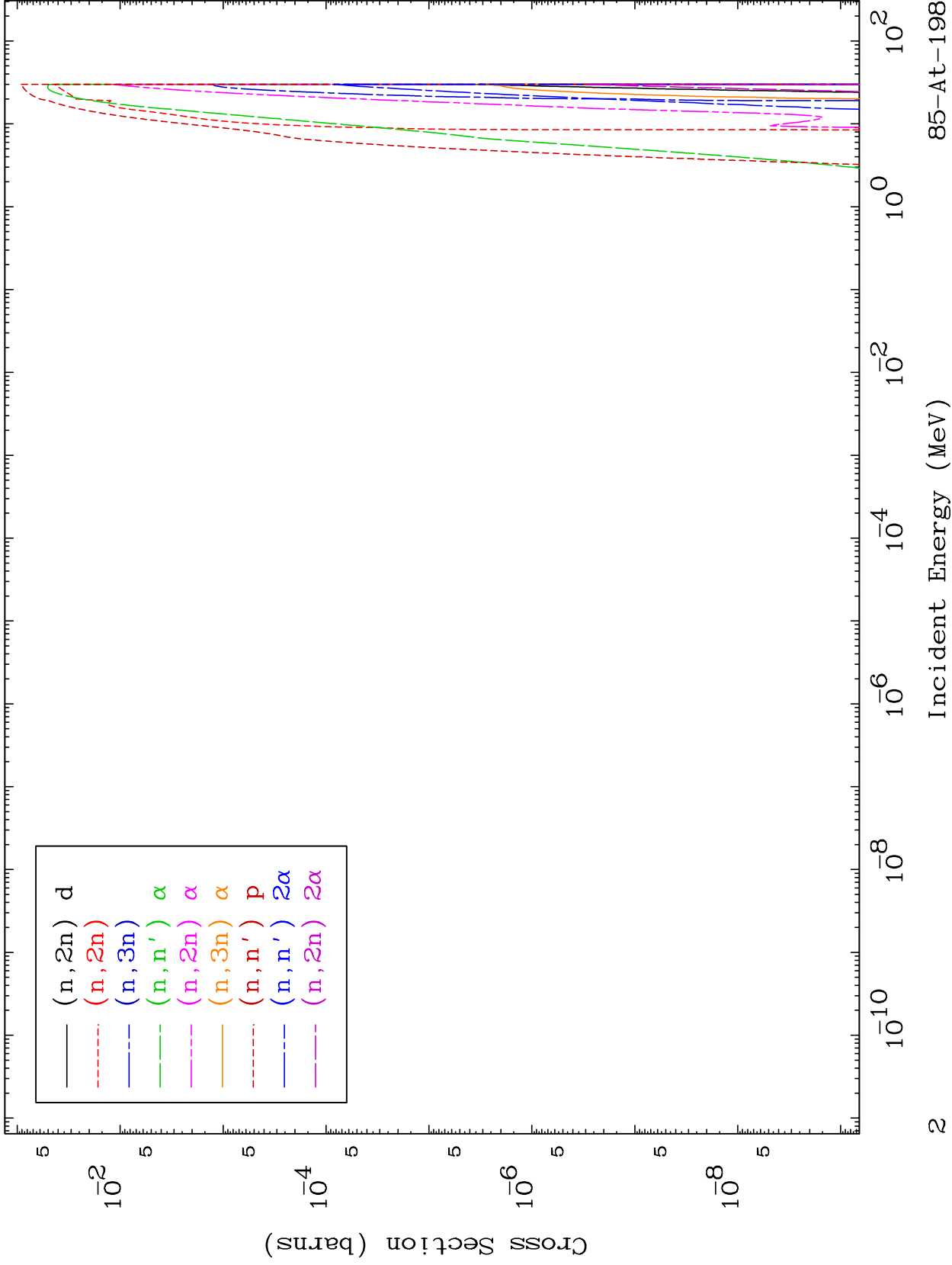
85-At-198



MAT 8510

Neutron Absorption
293 Kelvin Cross Sections

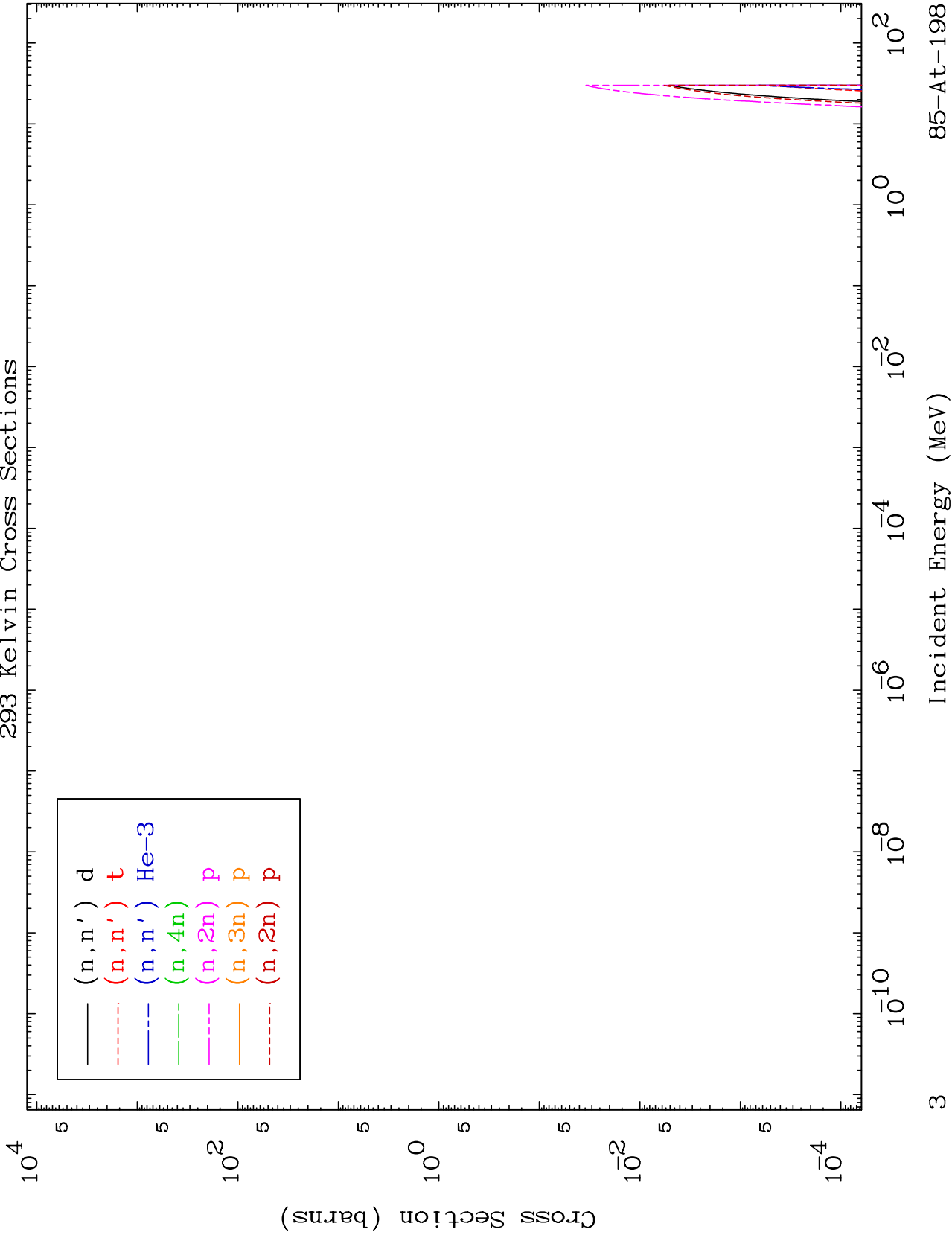
85-At-198



MAT 8510

Neutron Absorption
293 Kelvin Cross Sections

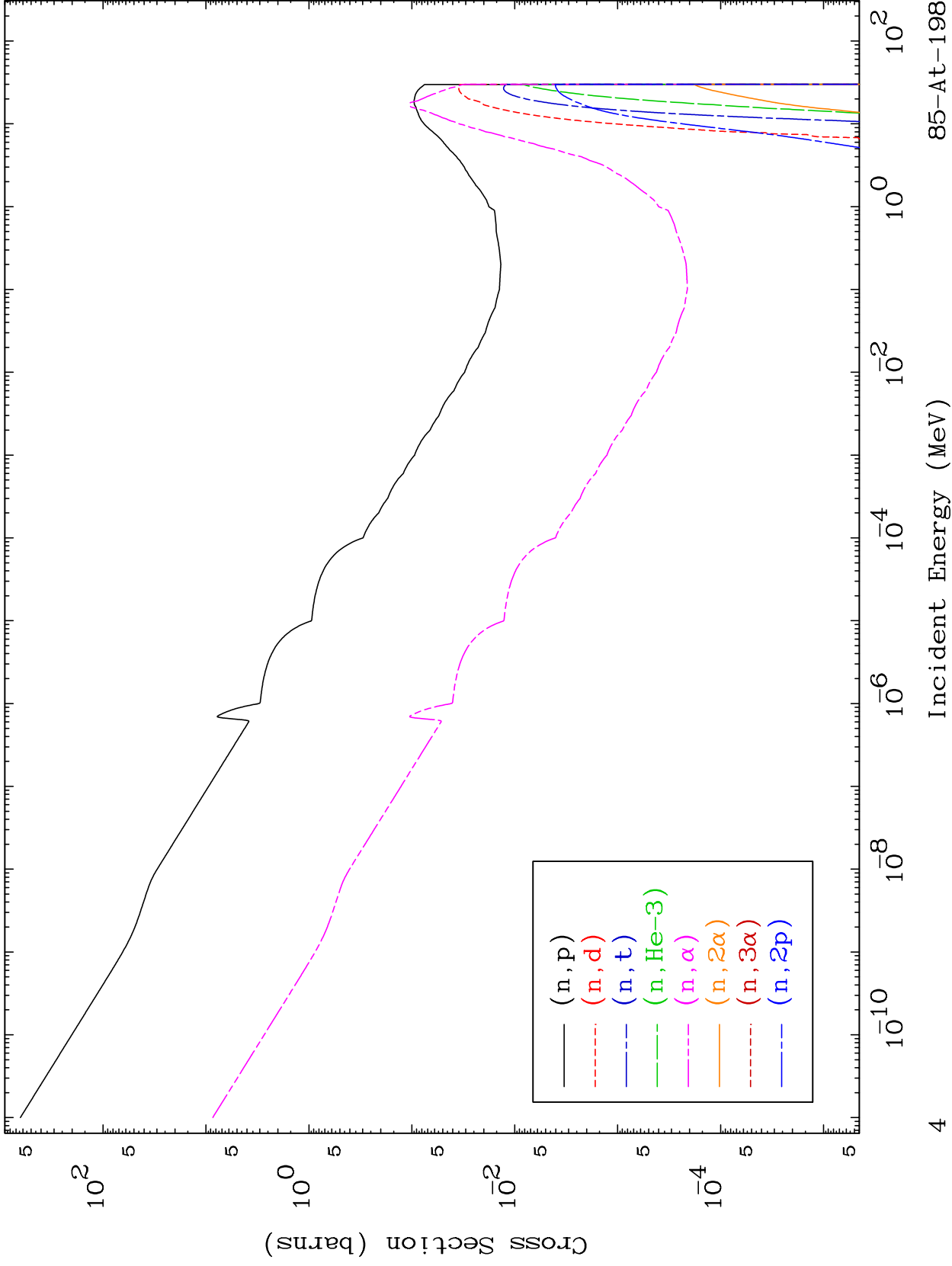
85-At-198

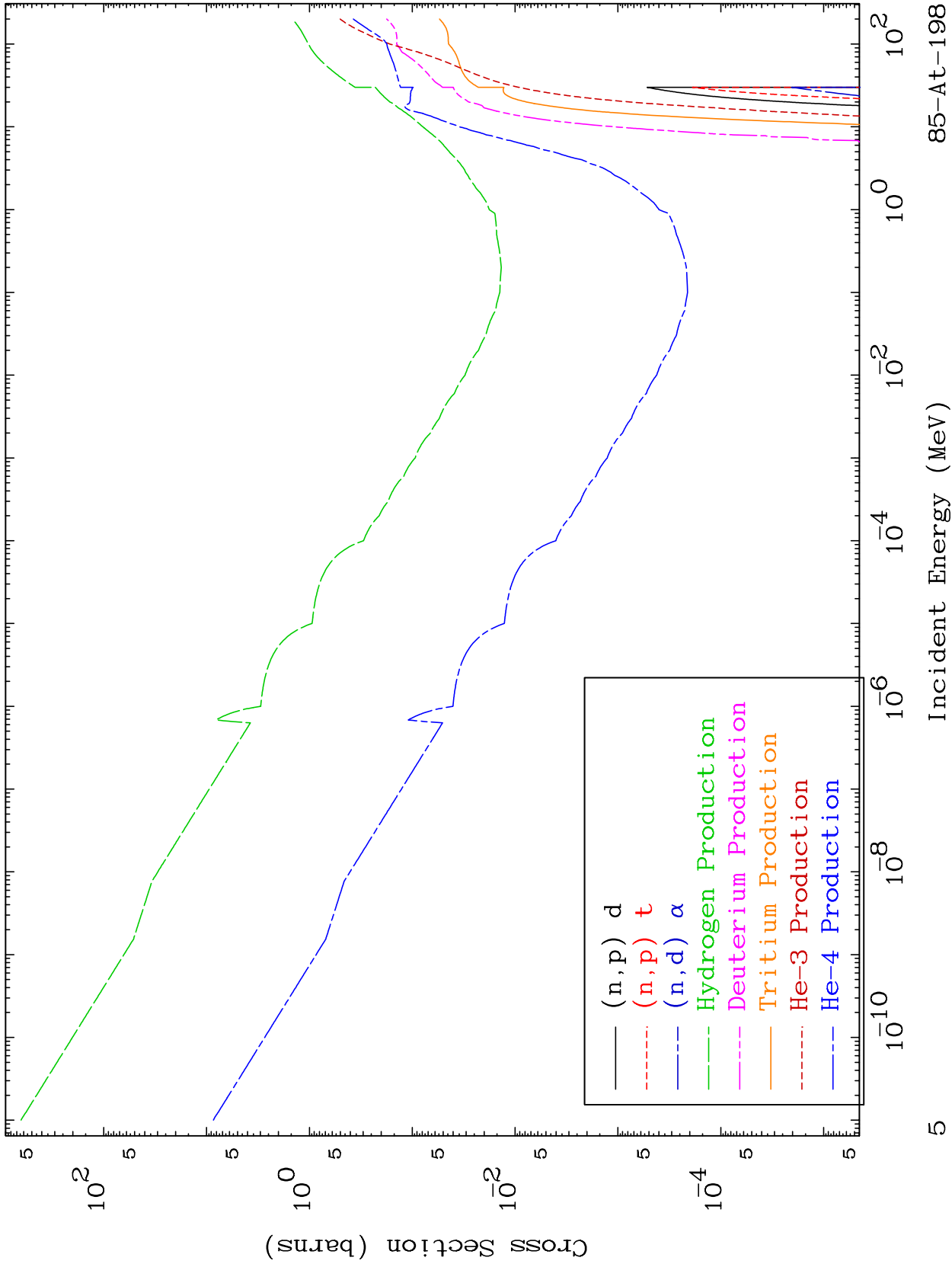


MAT 8510

Neutron Absorption
293 Kelvin Cross Sections

85-At-198

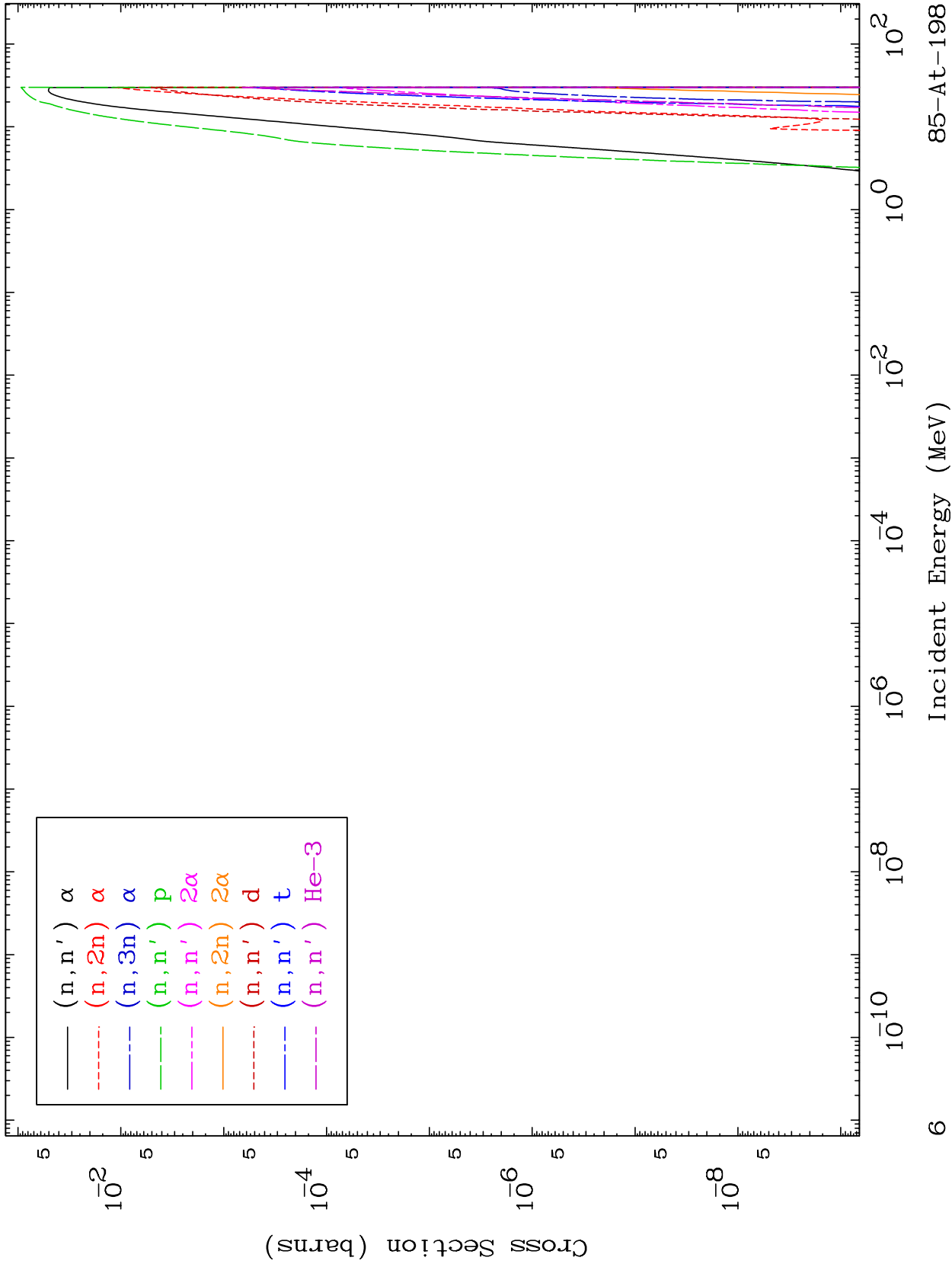




MAT 8510

Charged Particle
293 Kelvin Cross Sections

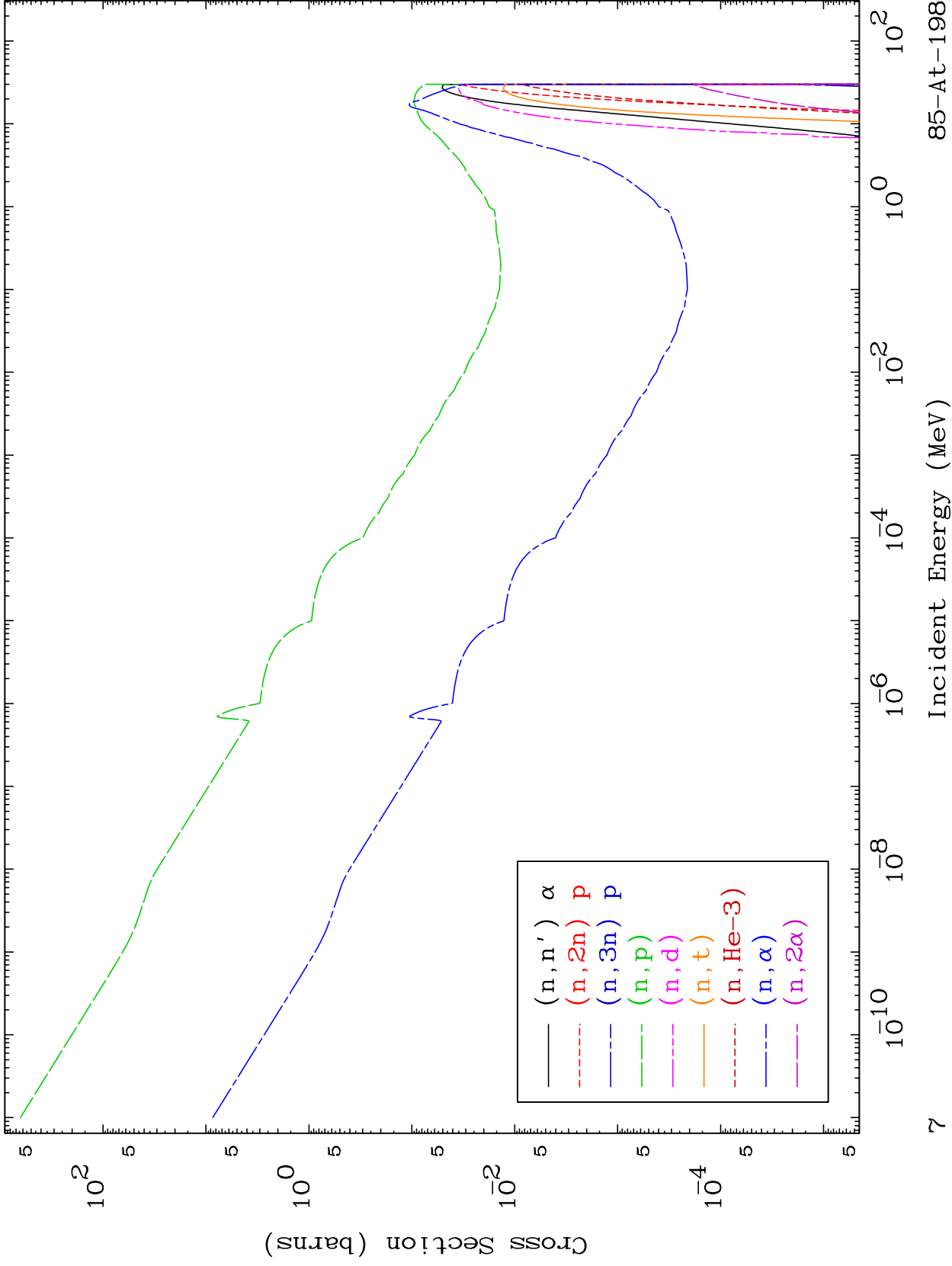
85-At-198



MAT 8510

Charged Particle
293 Kelvin Cross Sections

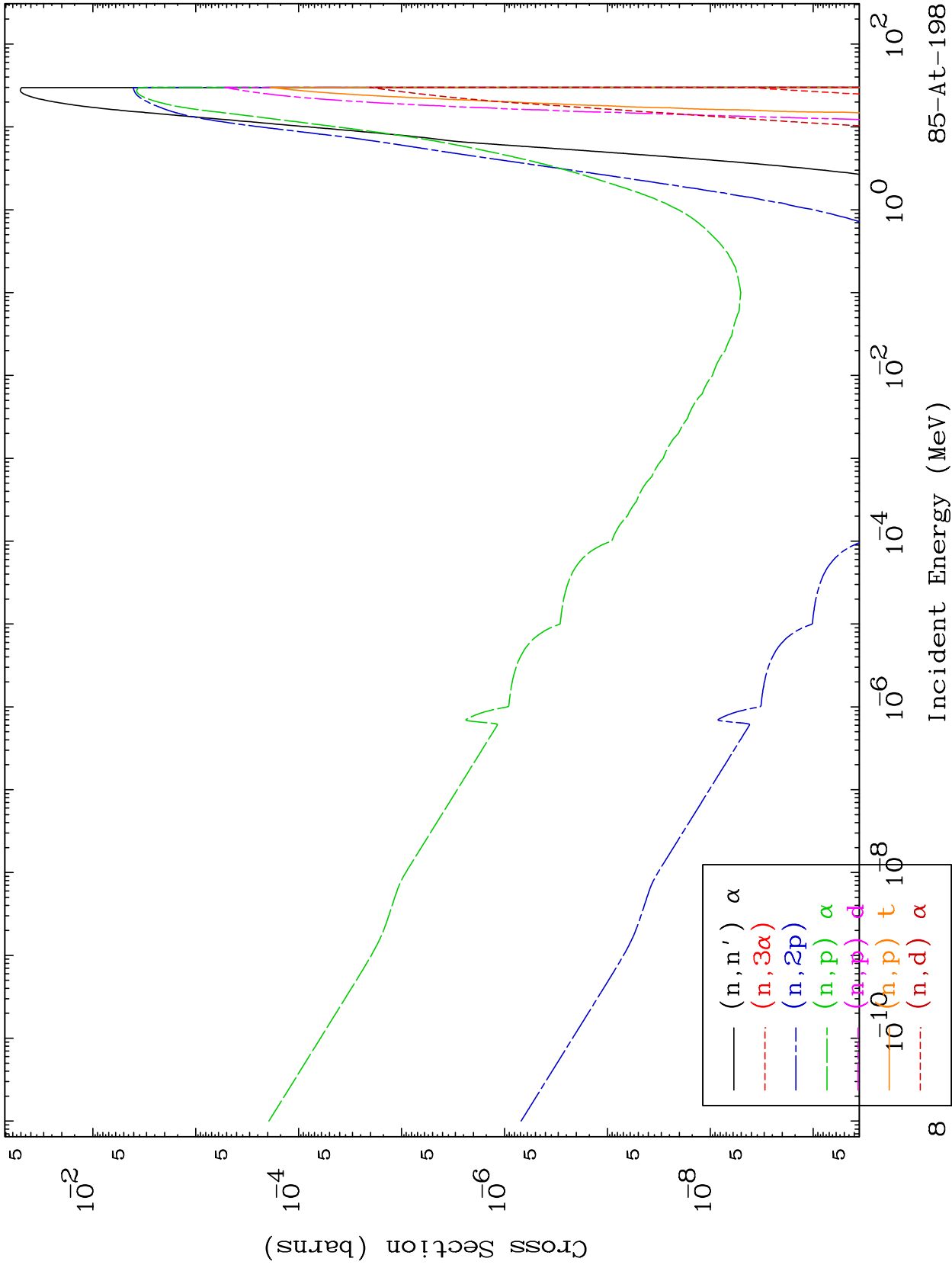
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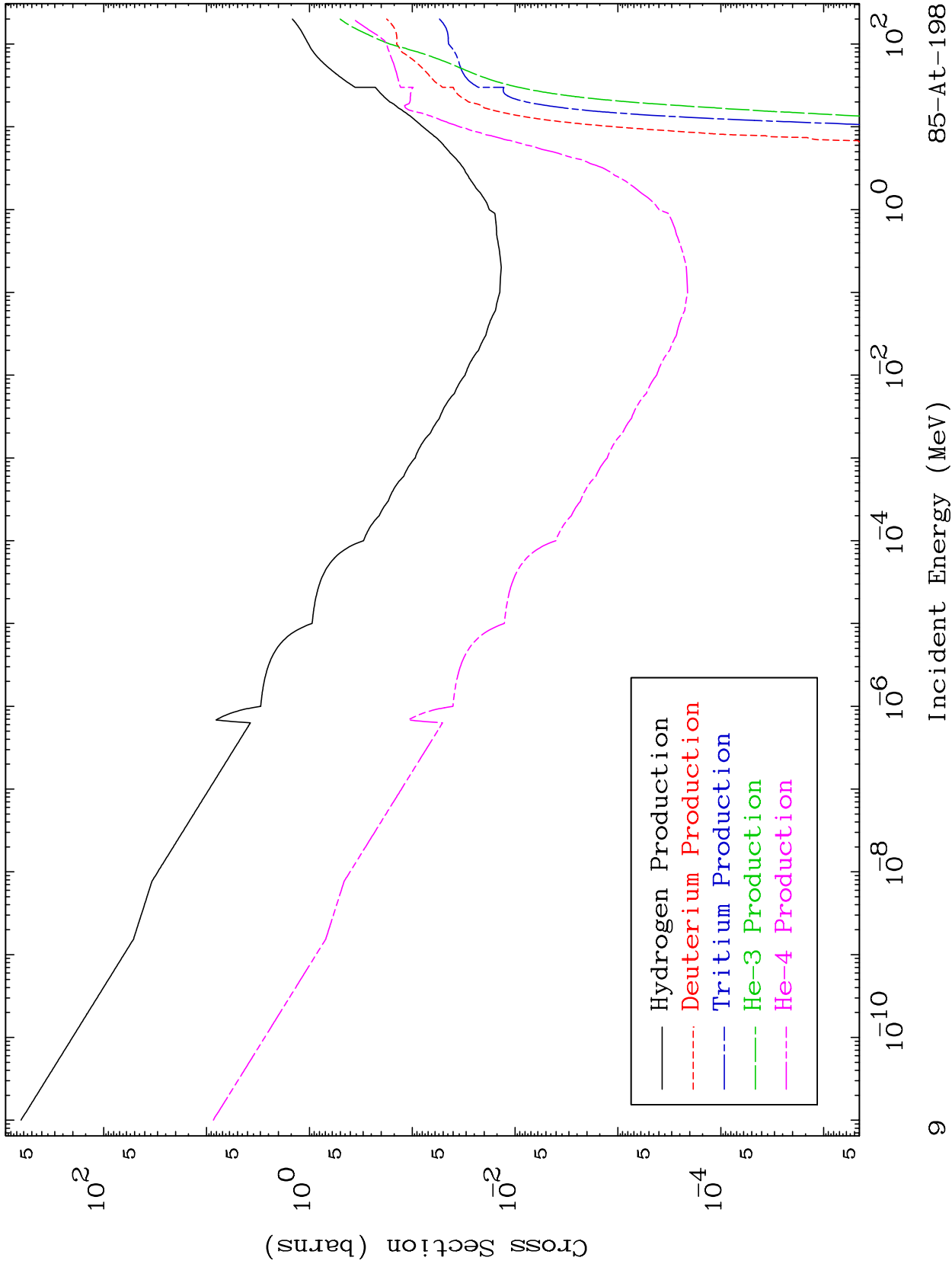
MAT 8510

Charged Particle
293 Kelvin Cross Sections

85-At-198



8

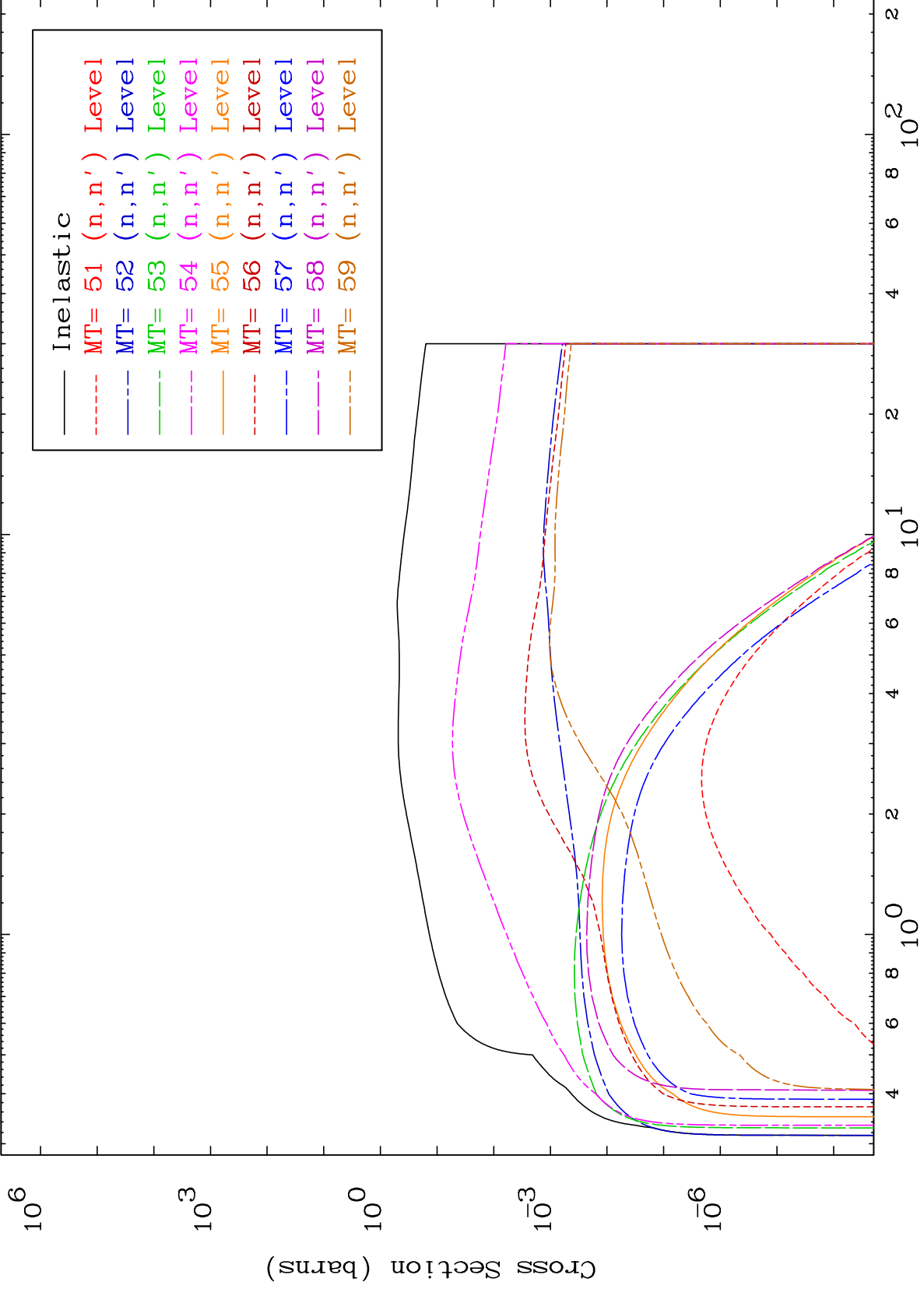


MAT 8510

(n,n') Levels

85-At-198

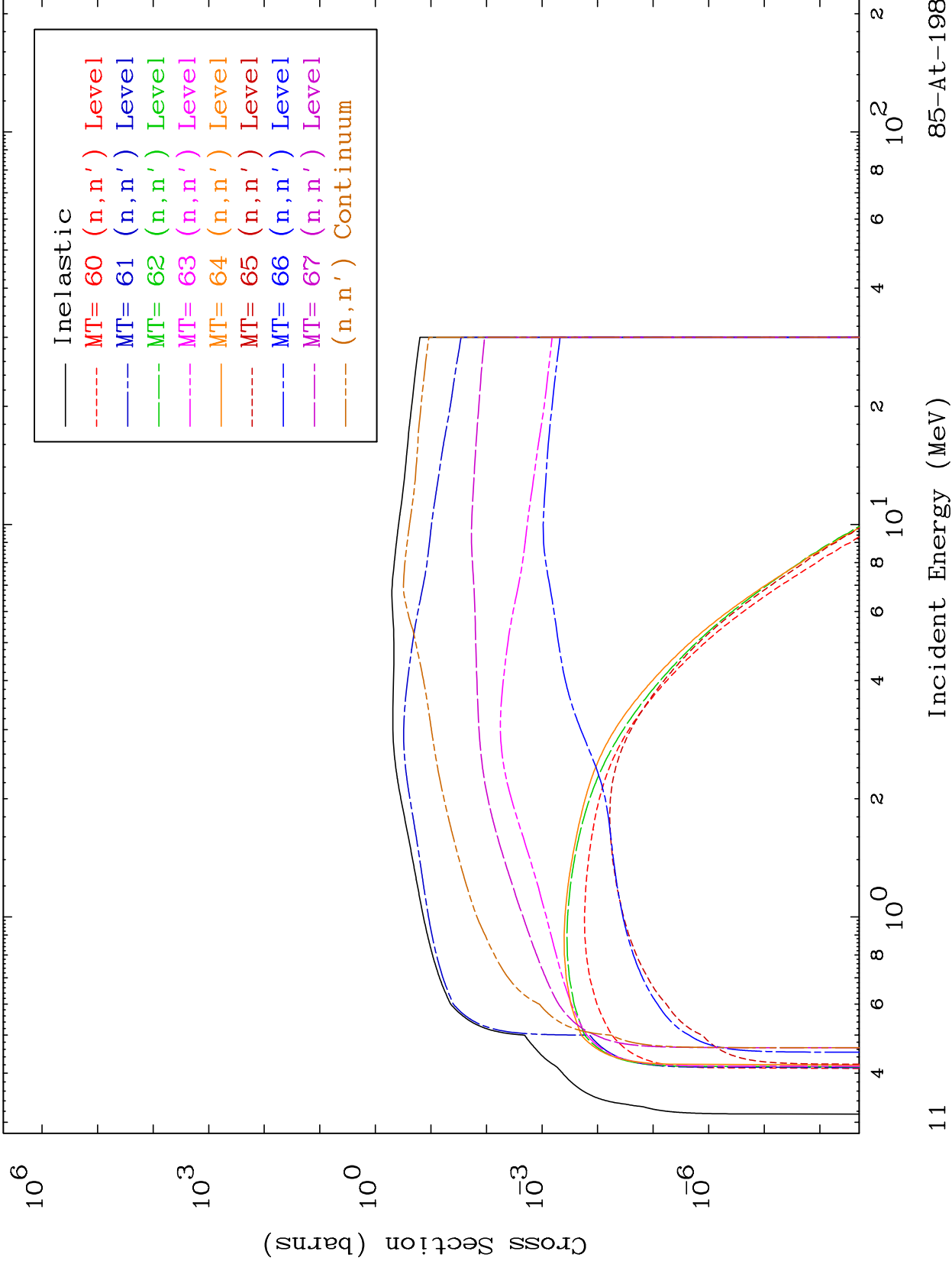
293 Kelvin Cross Sections



10

Incident Energy (MeV)

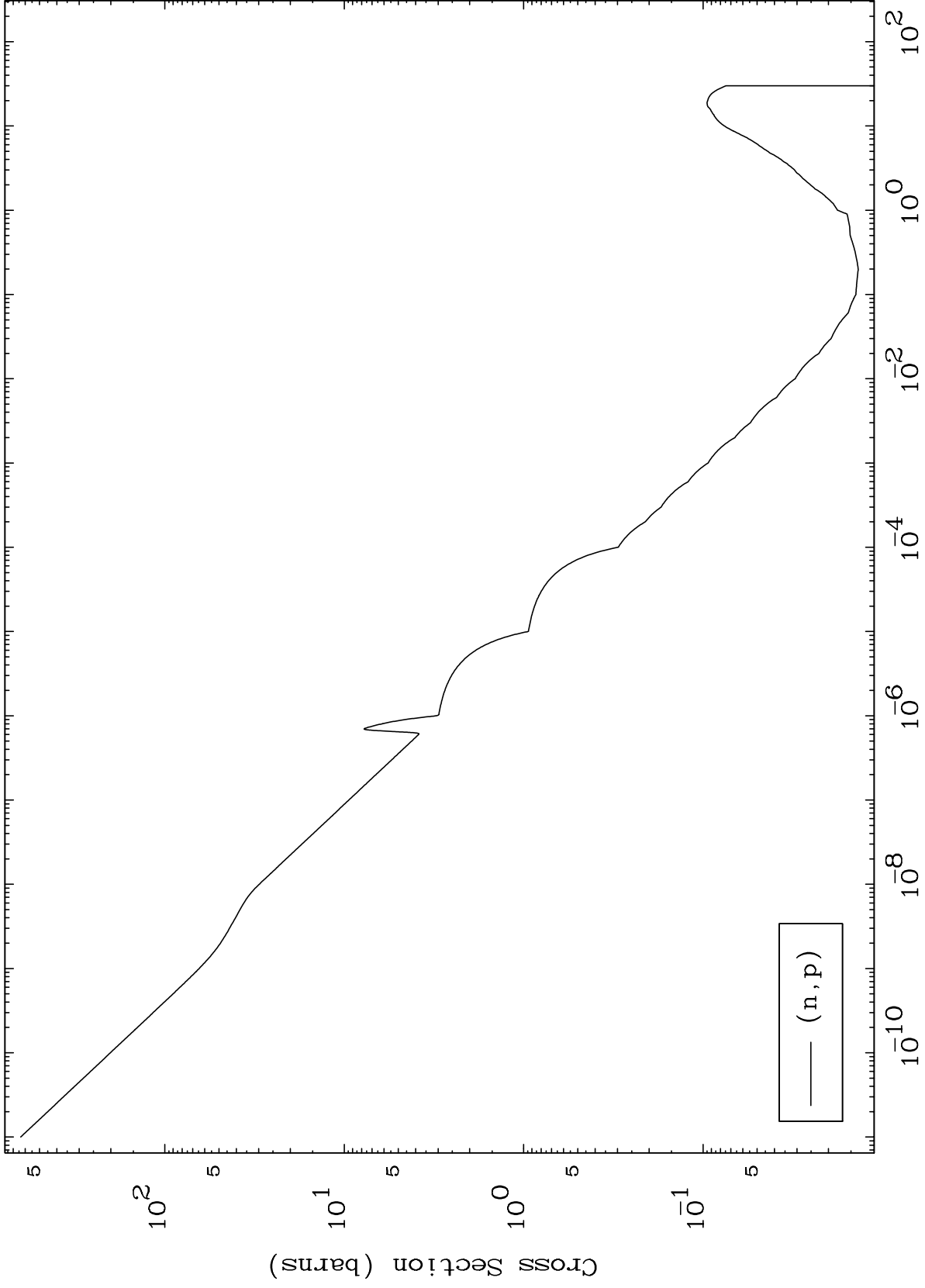
85-At-198



MAT 8510

(n,p) Levels
293 Kelvin Cross Sections

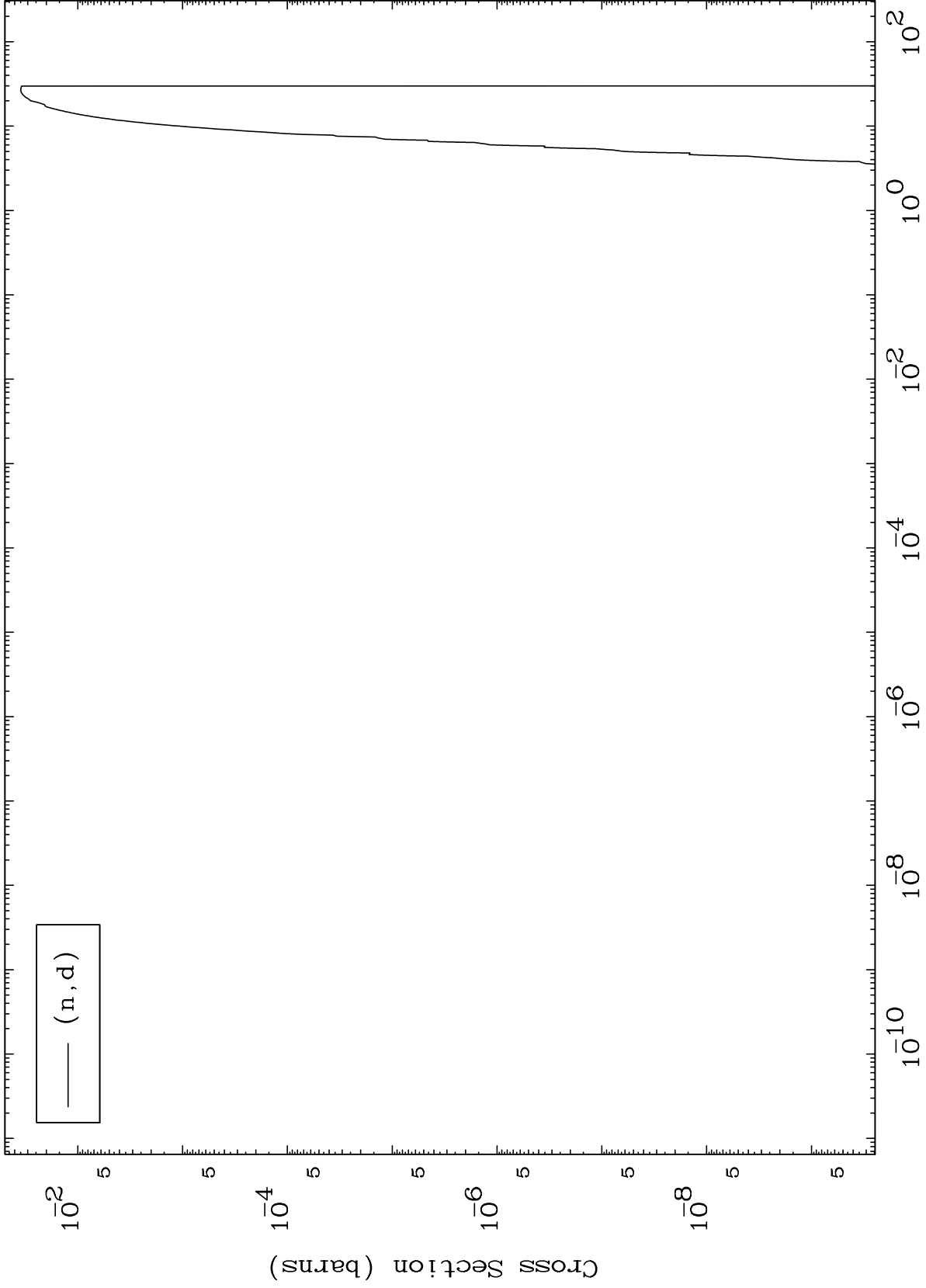
85-At-198



MAT 8510

(n,d) Levels
293 Kelvin Cross Sections

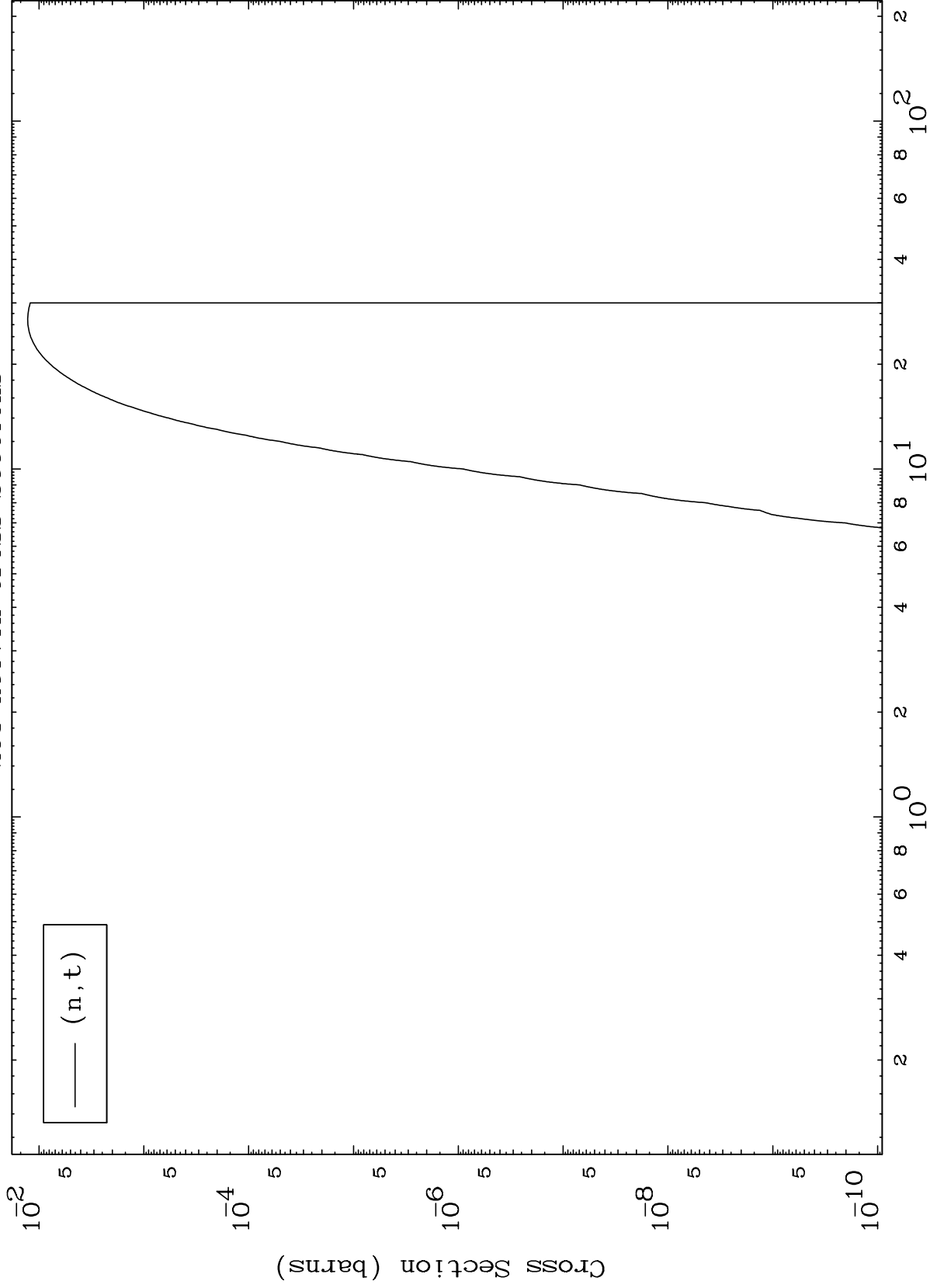
85-At-198



MAT 8510

(n,t) Levels
293 Kelvin Cross Sections

85-At-198



14

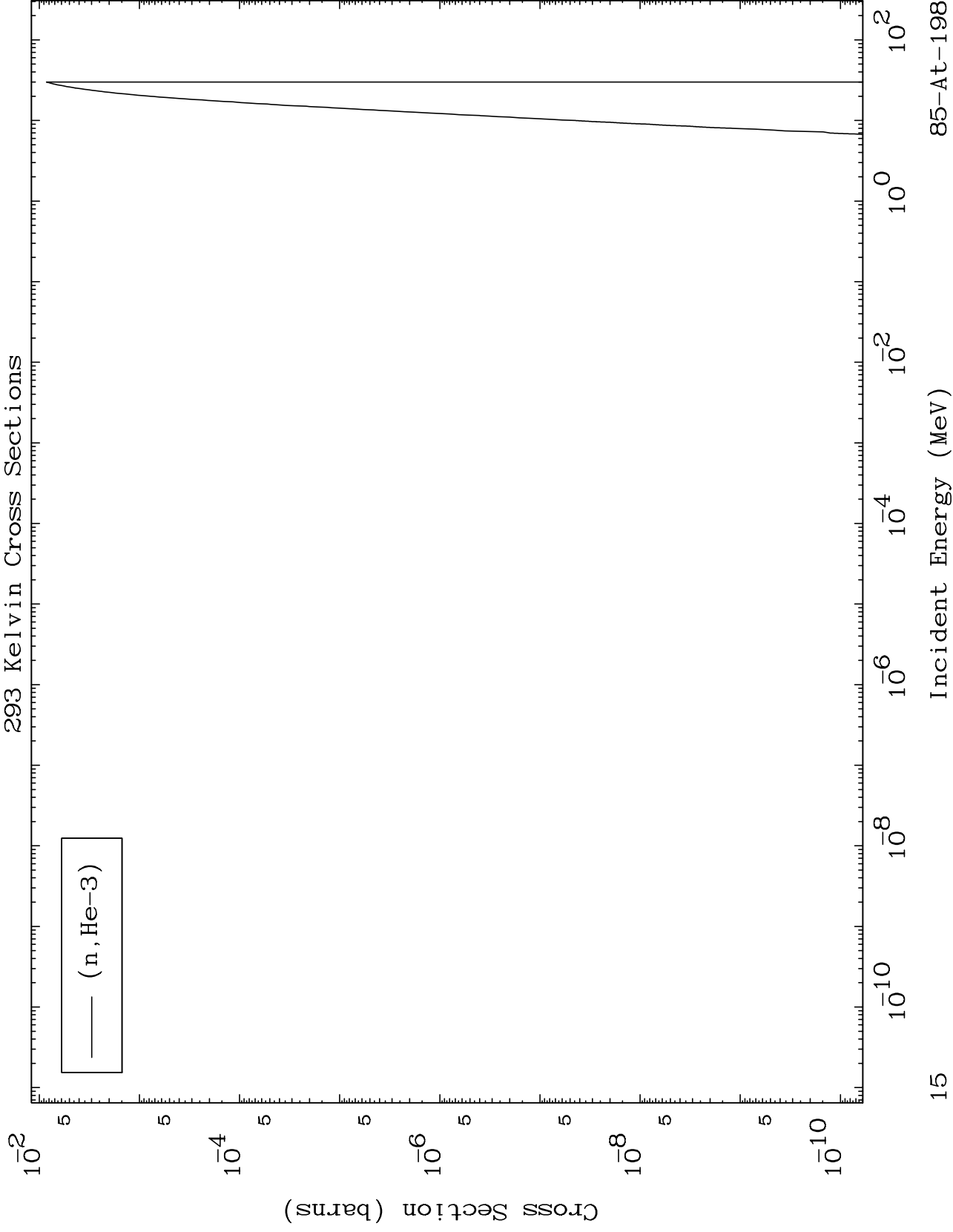
Incident Energy (MeV)

85-At-198

MAT 8510

(n,He3) Levels
293 Kelvin Cross Sections

85-At-198



15

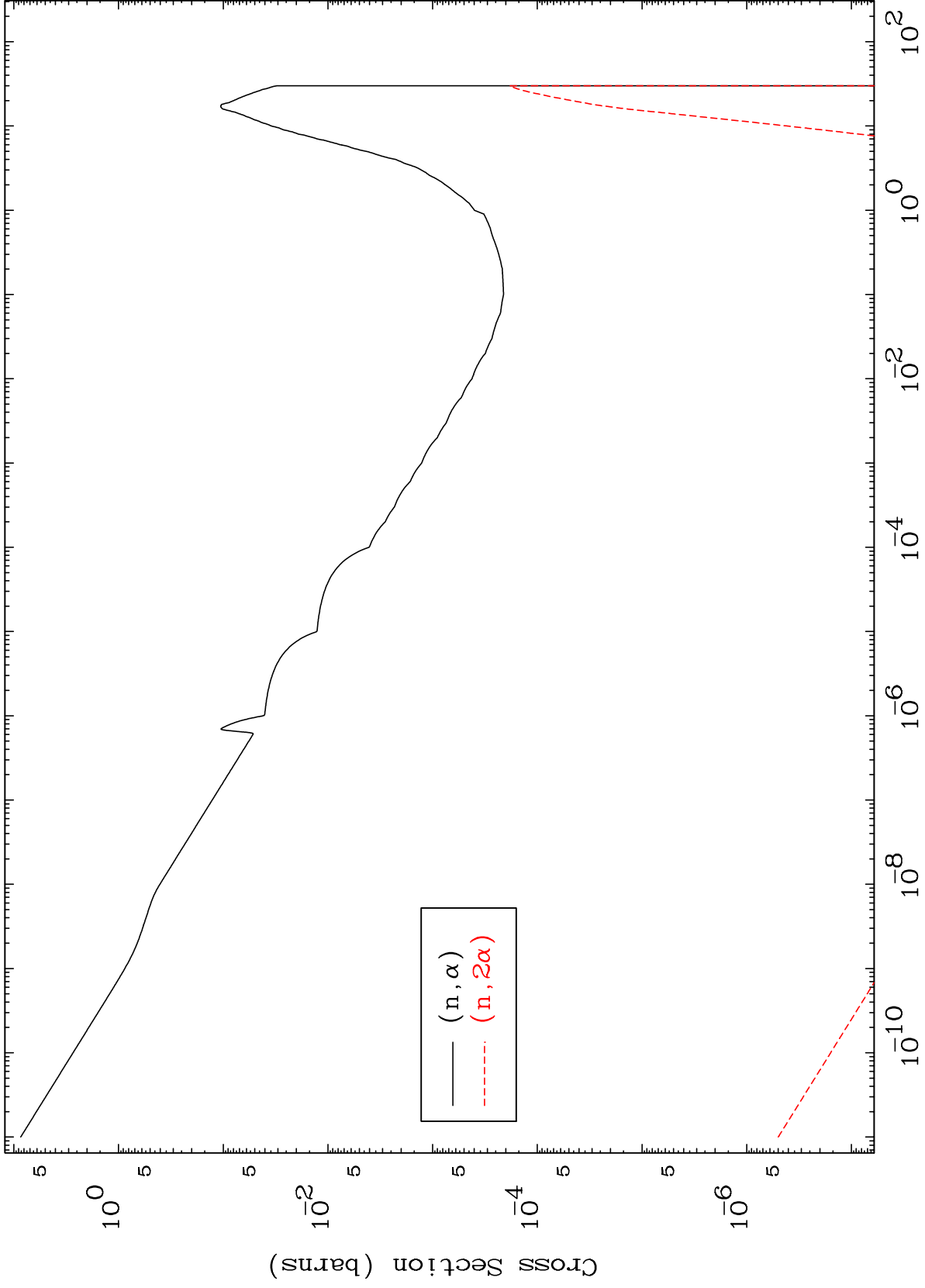
Incident Energy (MeV)

85-At-198

MAT 8510

(n,α) Levels
293 Kelvin Cross Sections

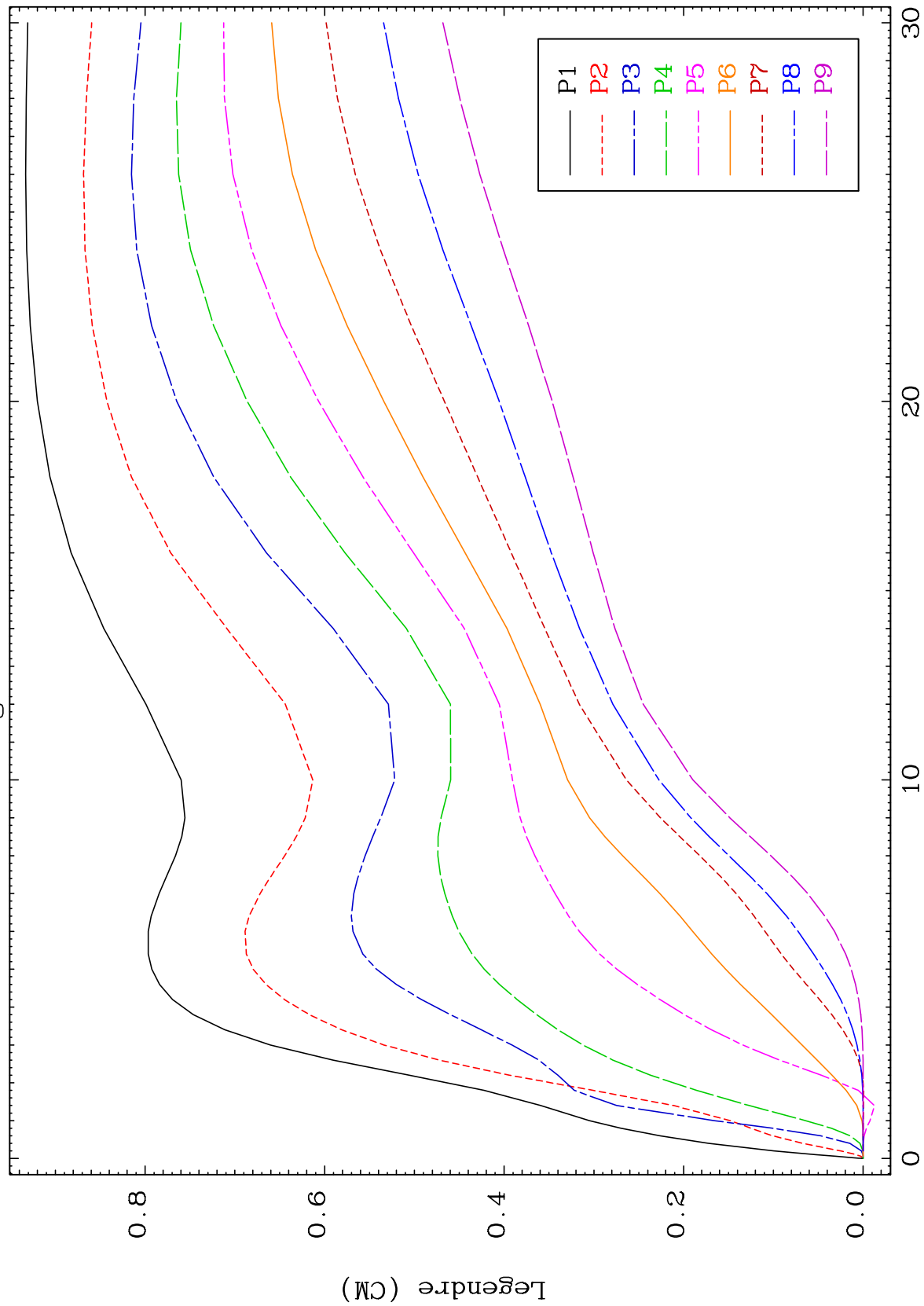
85-At-198



MAT 8510

85-At-198

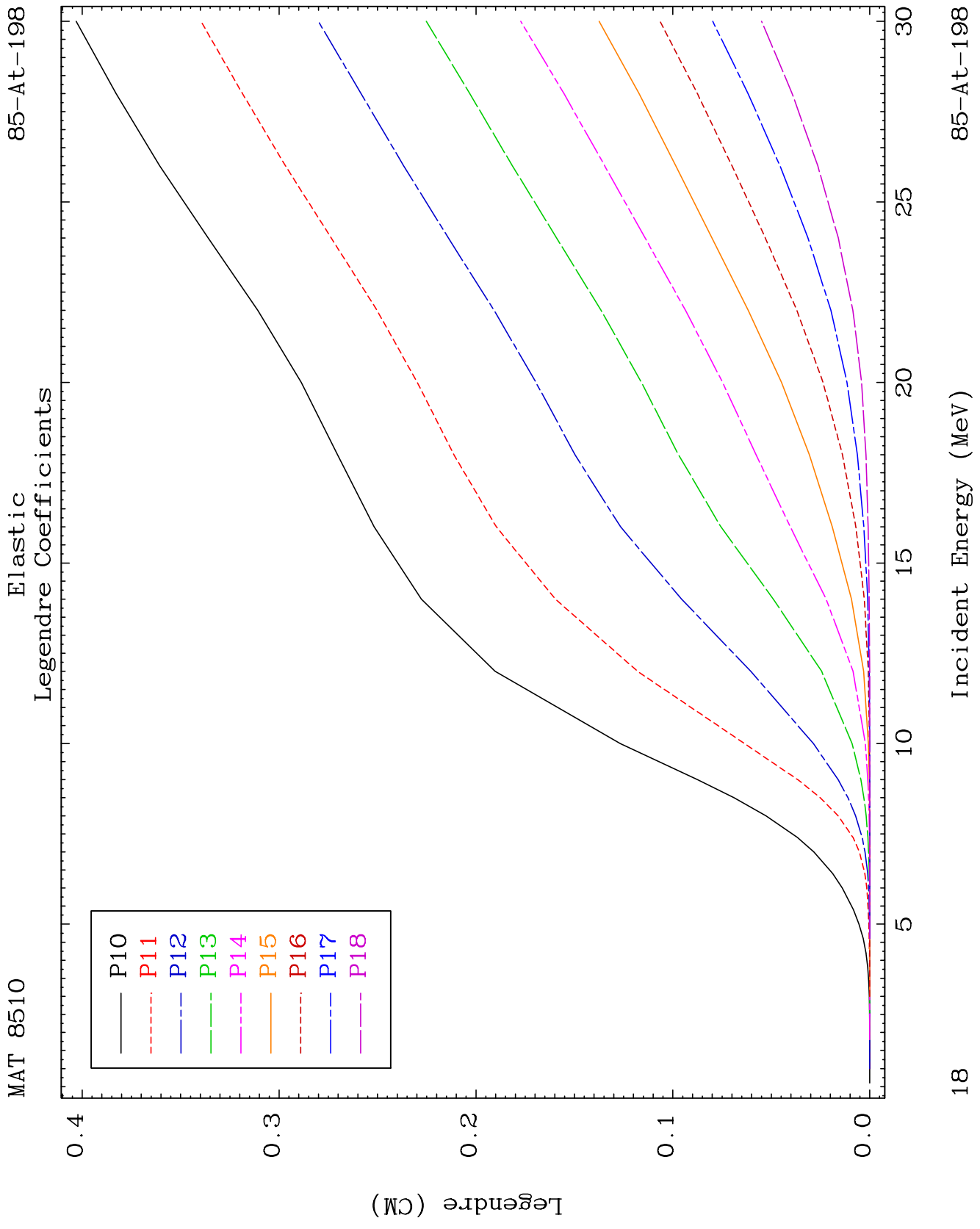
Elastic Legendre Coefficients



17

Incident Energy (MeV)

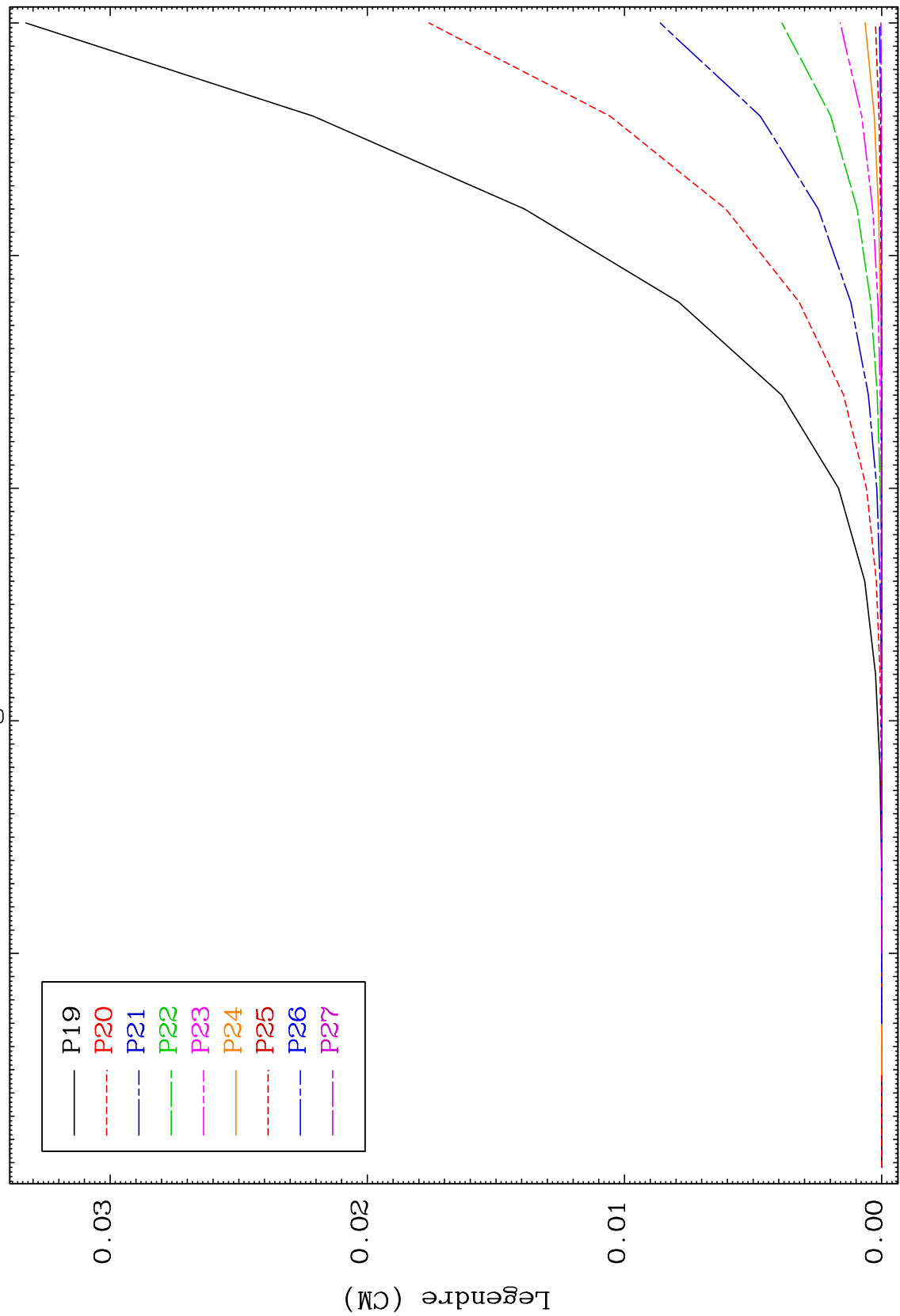
85-At-198



MAT 8510

Elastic Legendre Coefficients

85-At-198



19

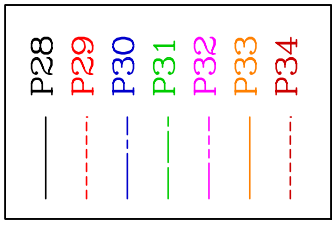
Incident Energy (MeV)

85-At-198

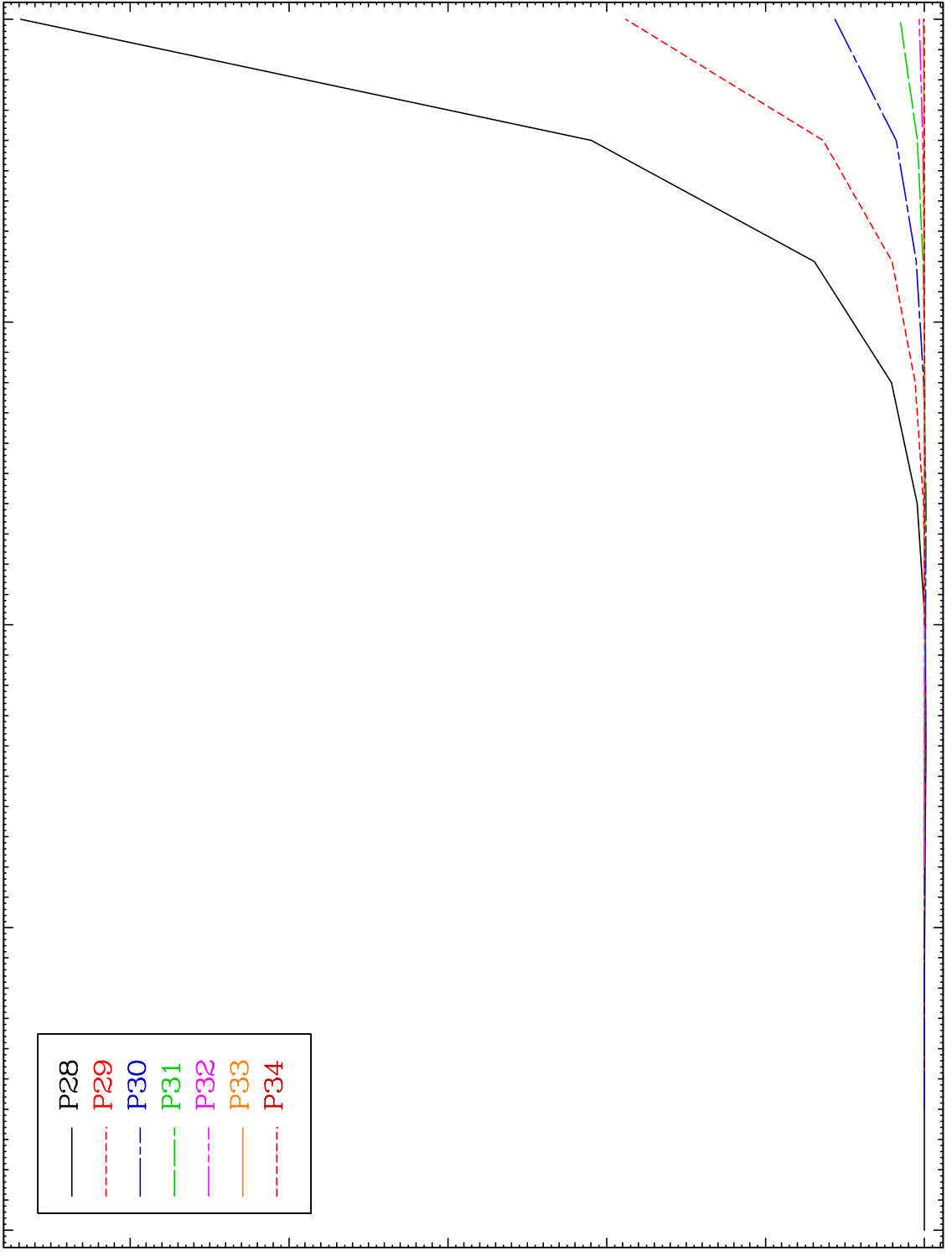
MAT 8510

Elastic Legendre Coefficients

85-At-198



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



30

25

20

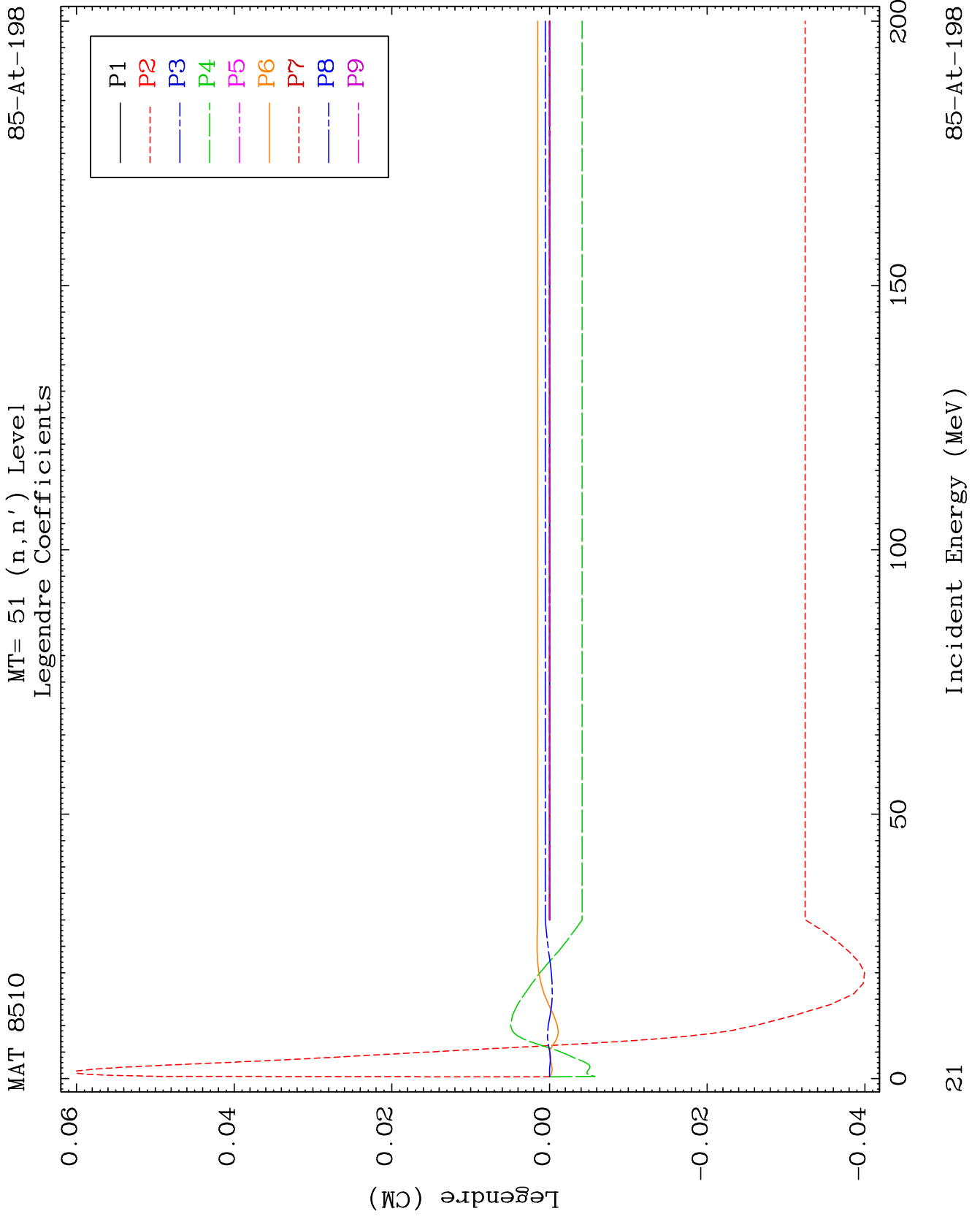
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Incident Energy (MeV)

85-At-198

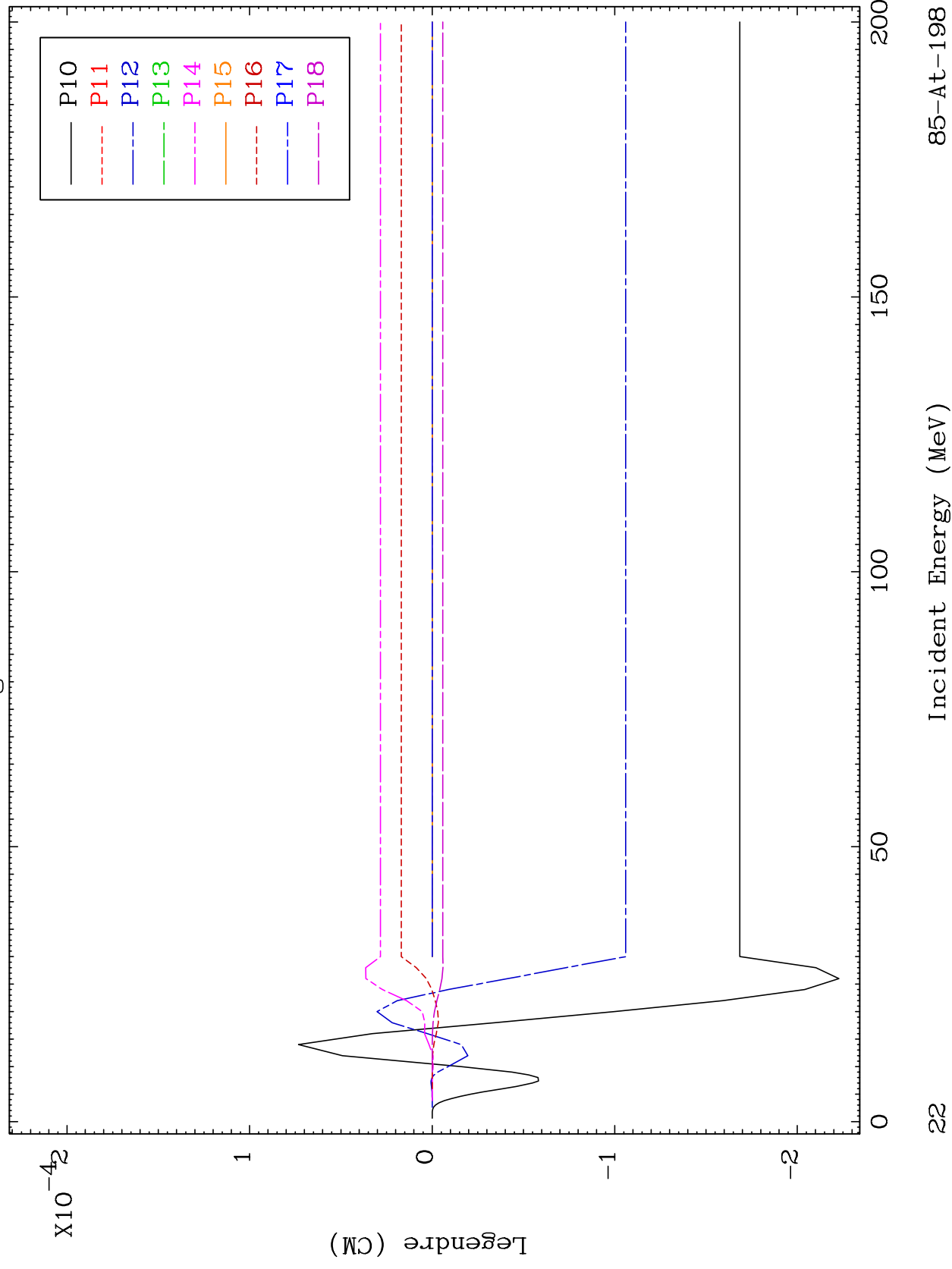
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MAT 8510

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

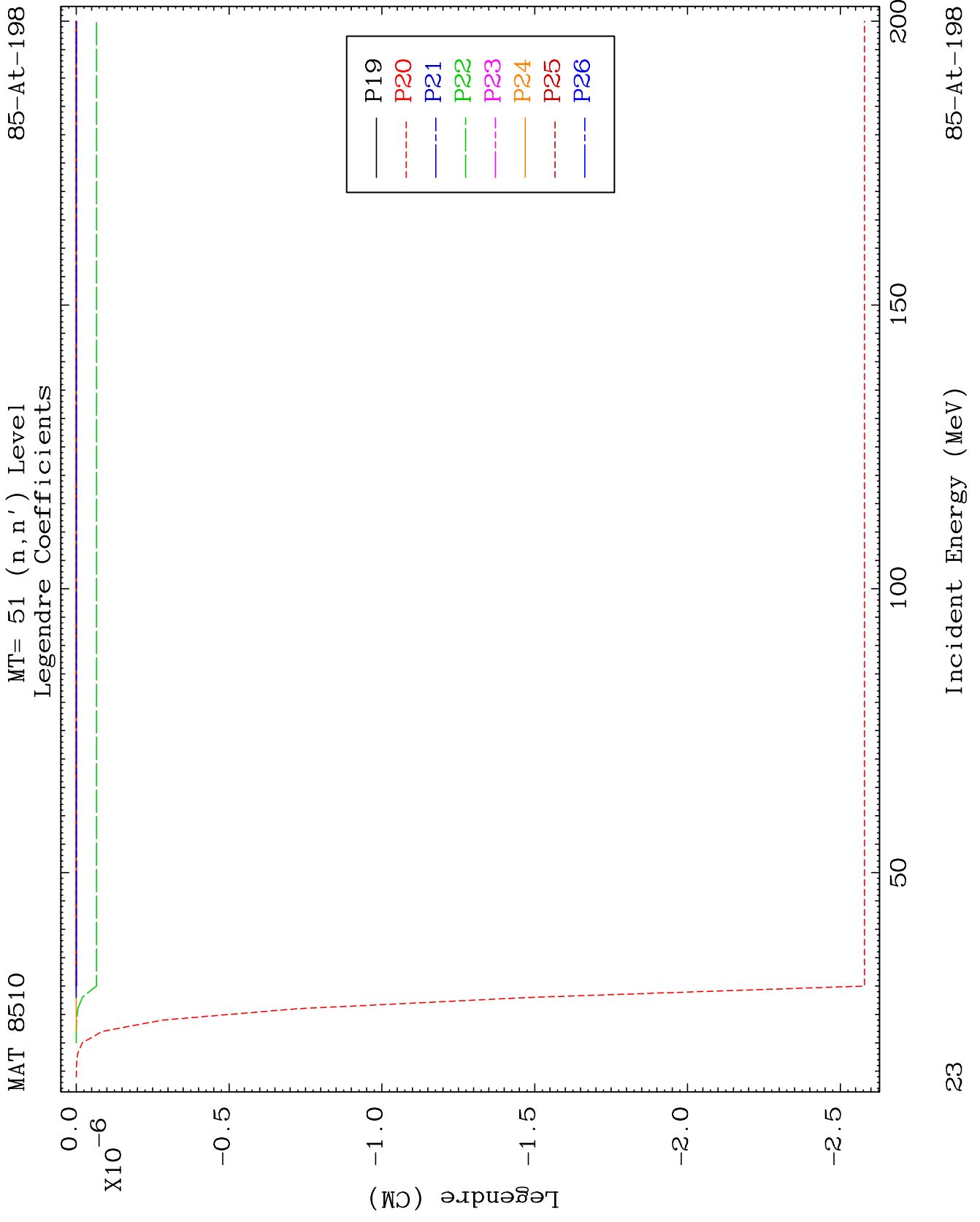
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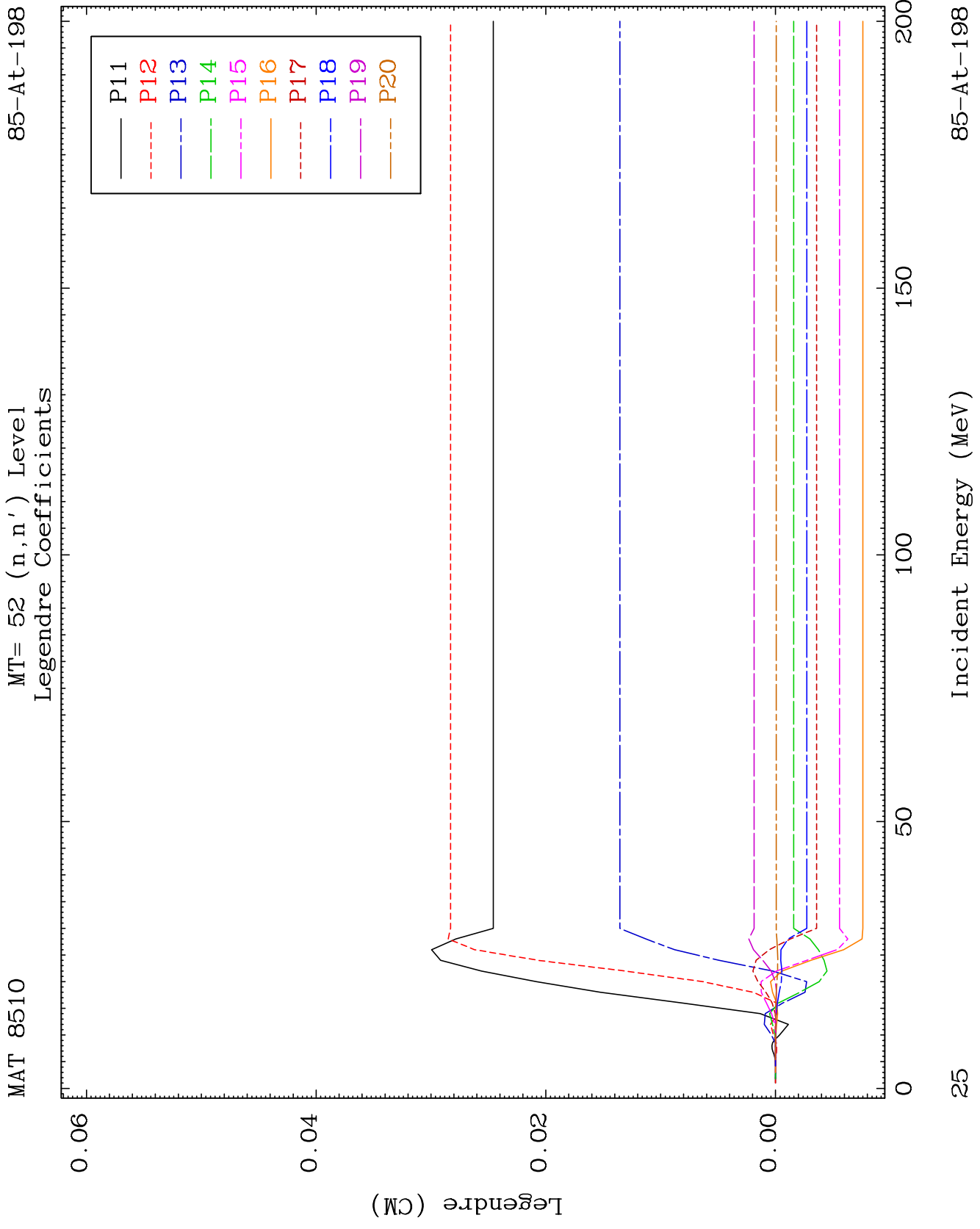


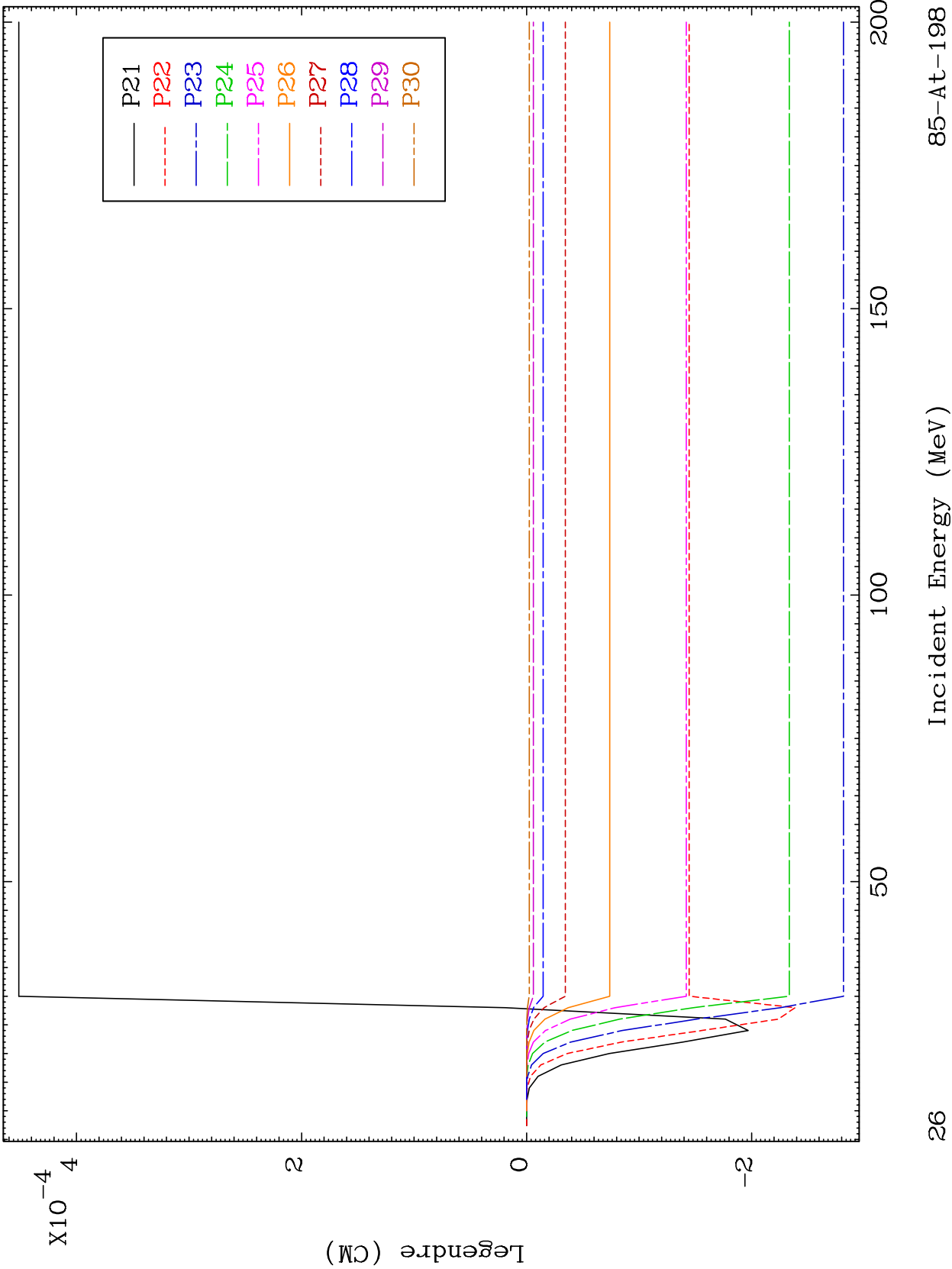
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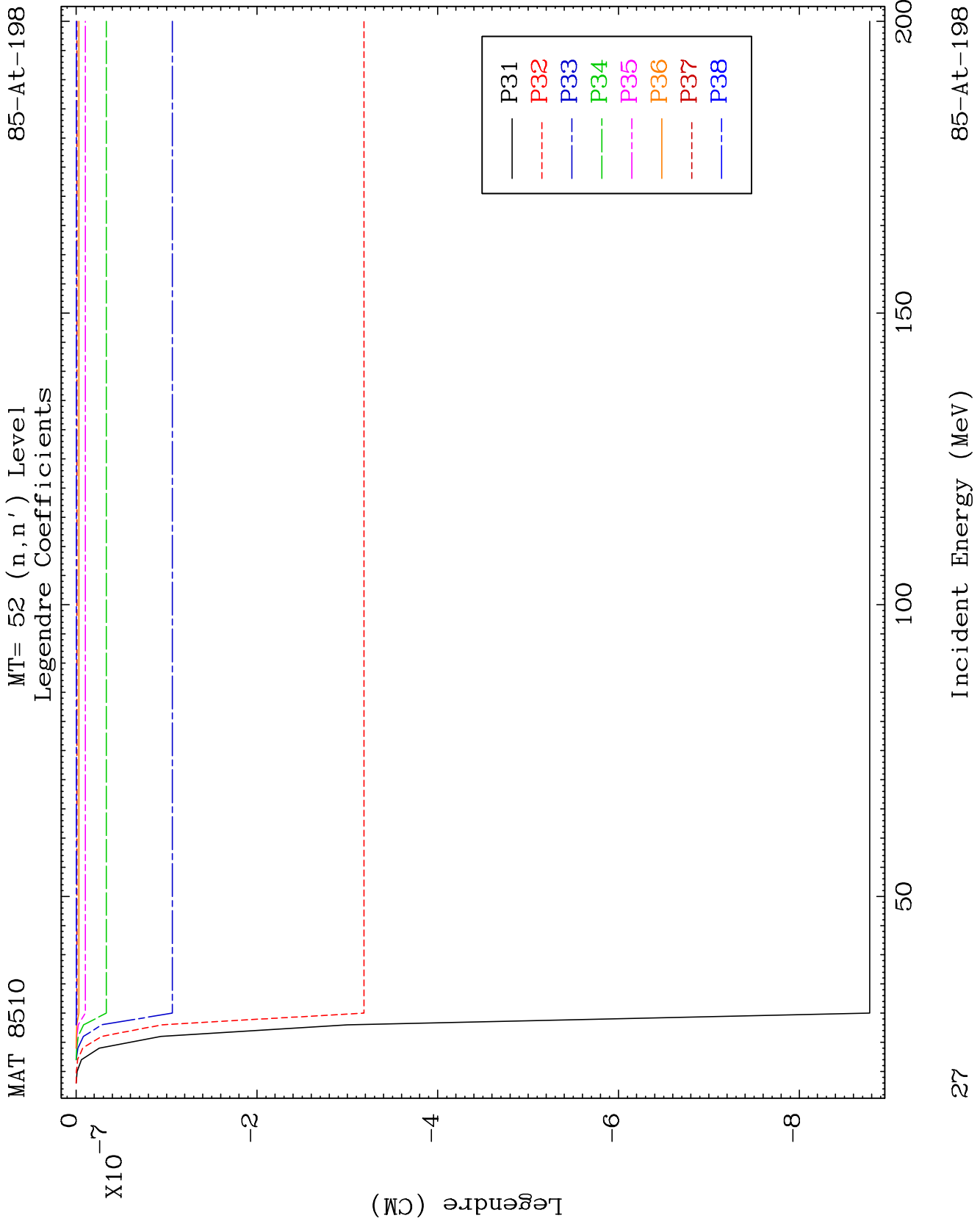
Incident Energy (MeV)

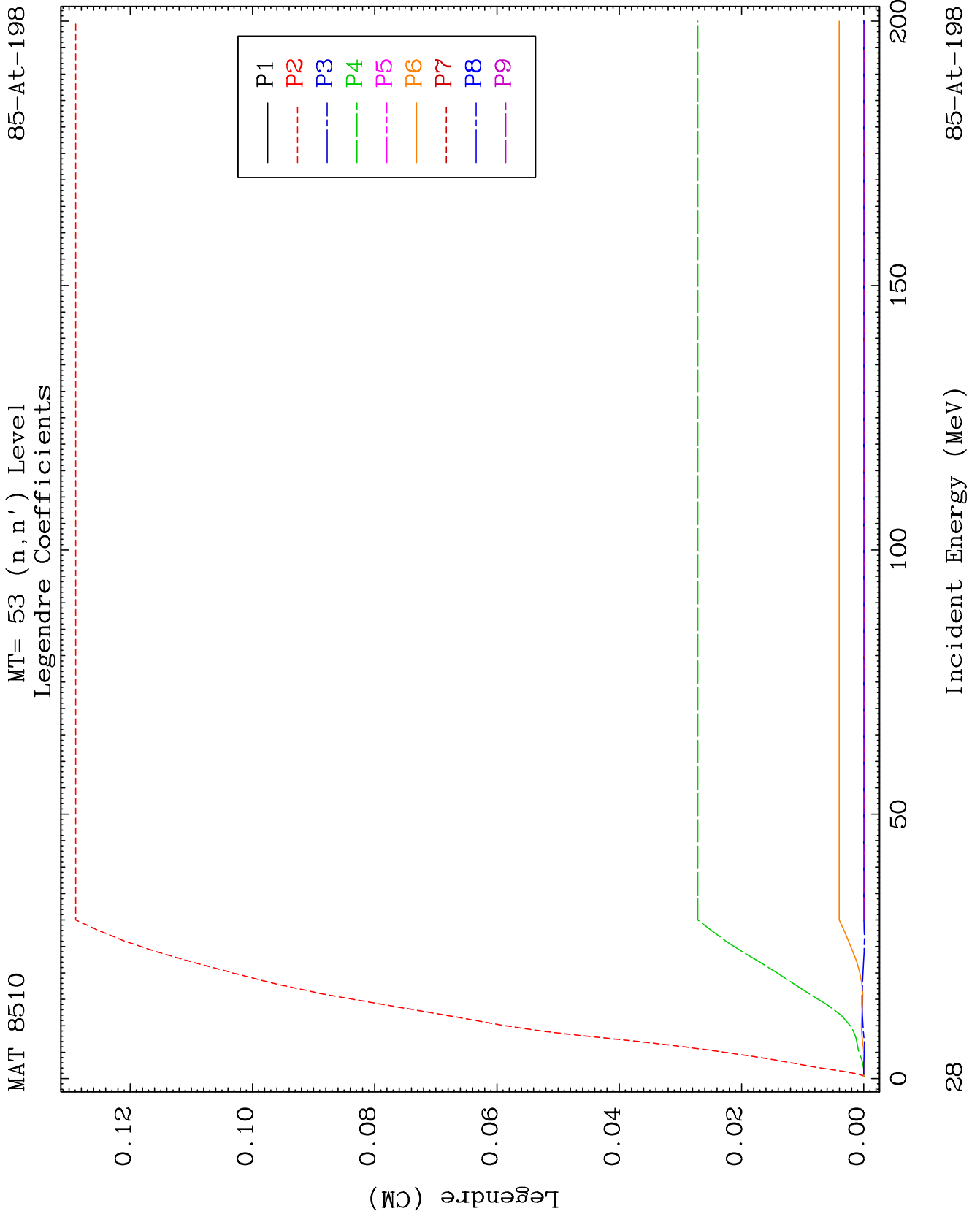
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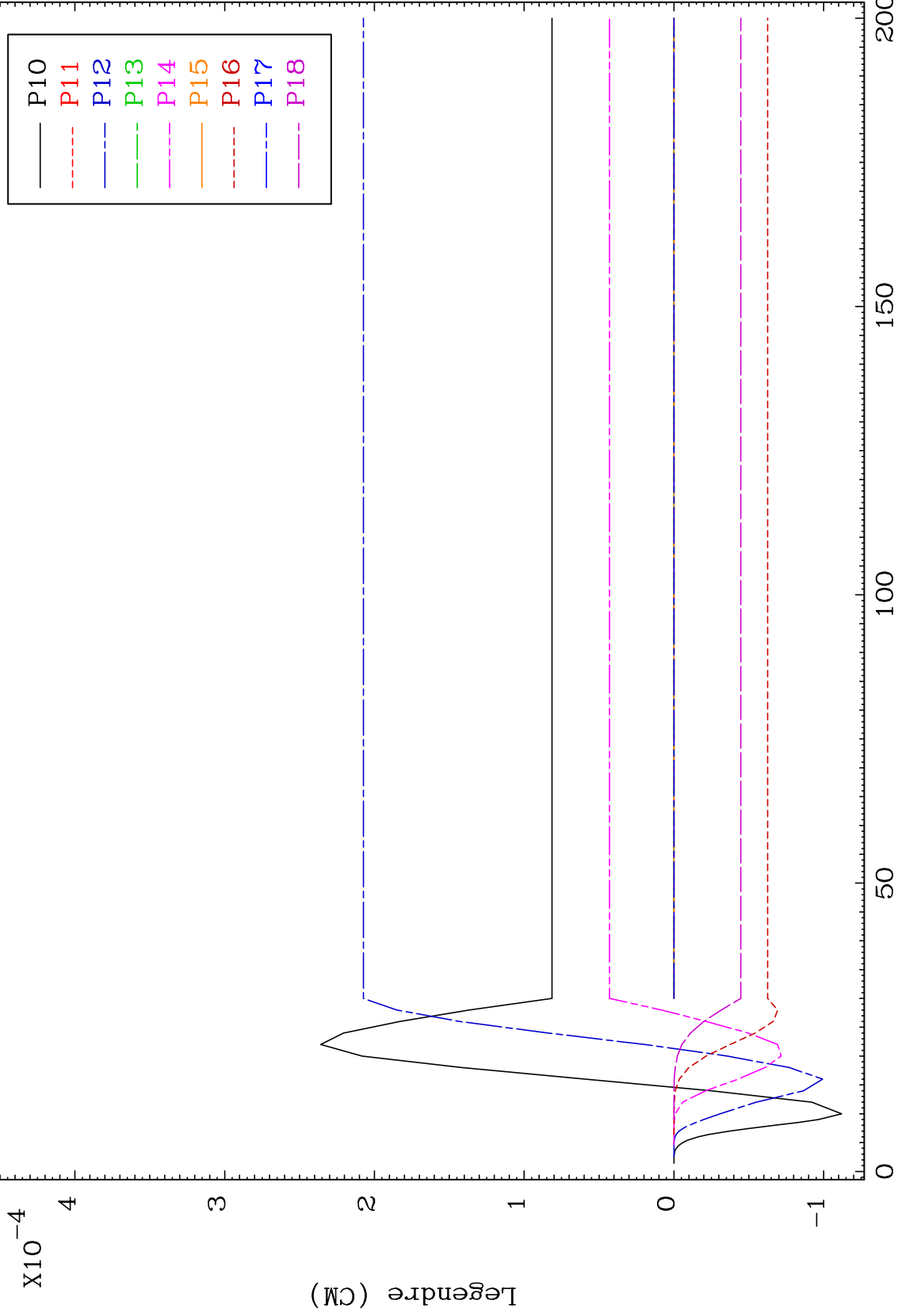




MAT 8510

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

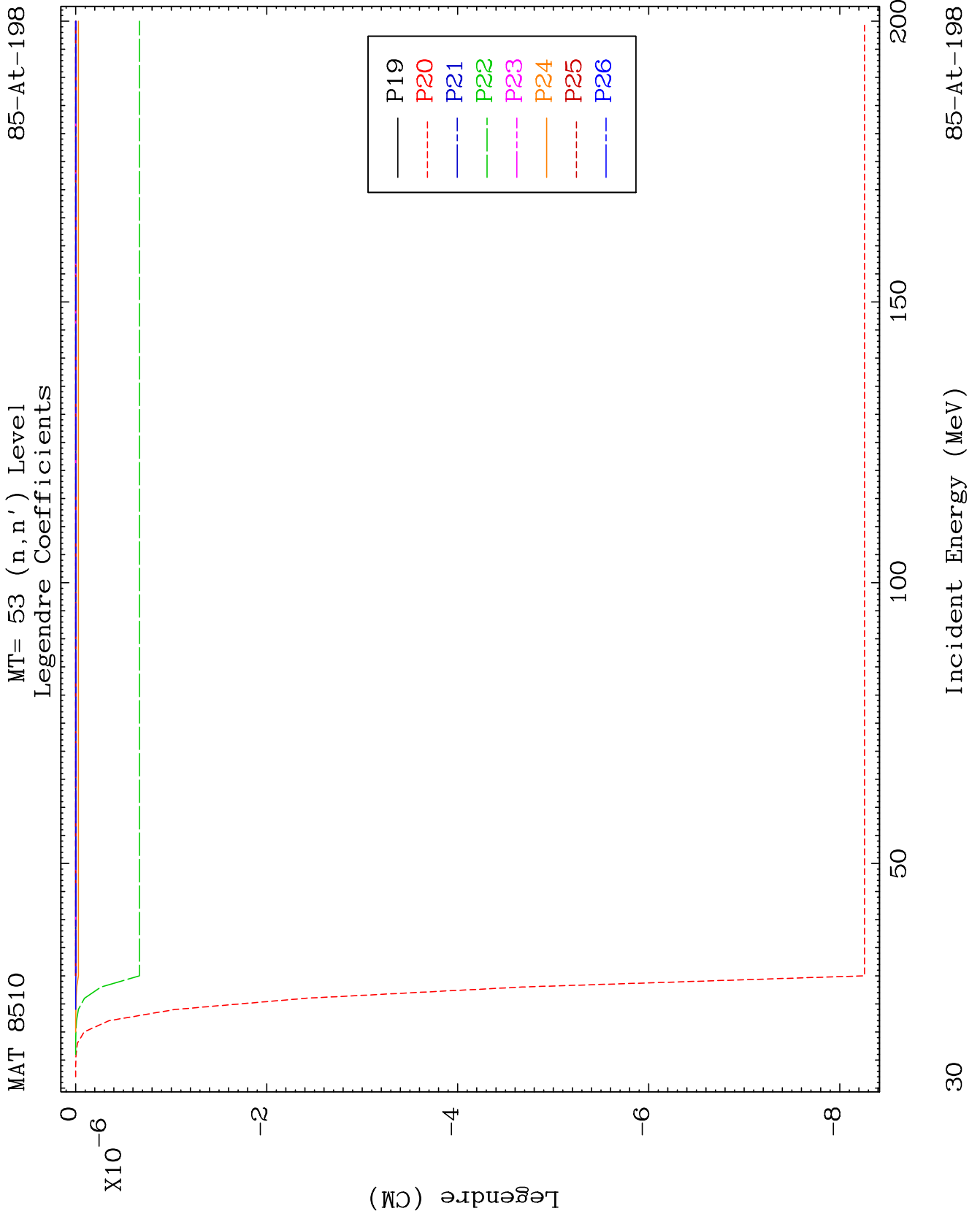
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29

Incident Energy (MeV)

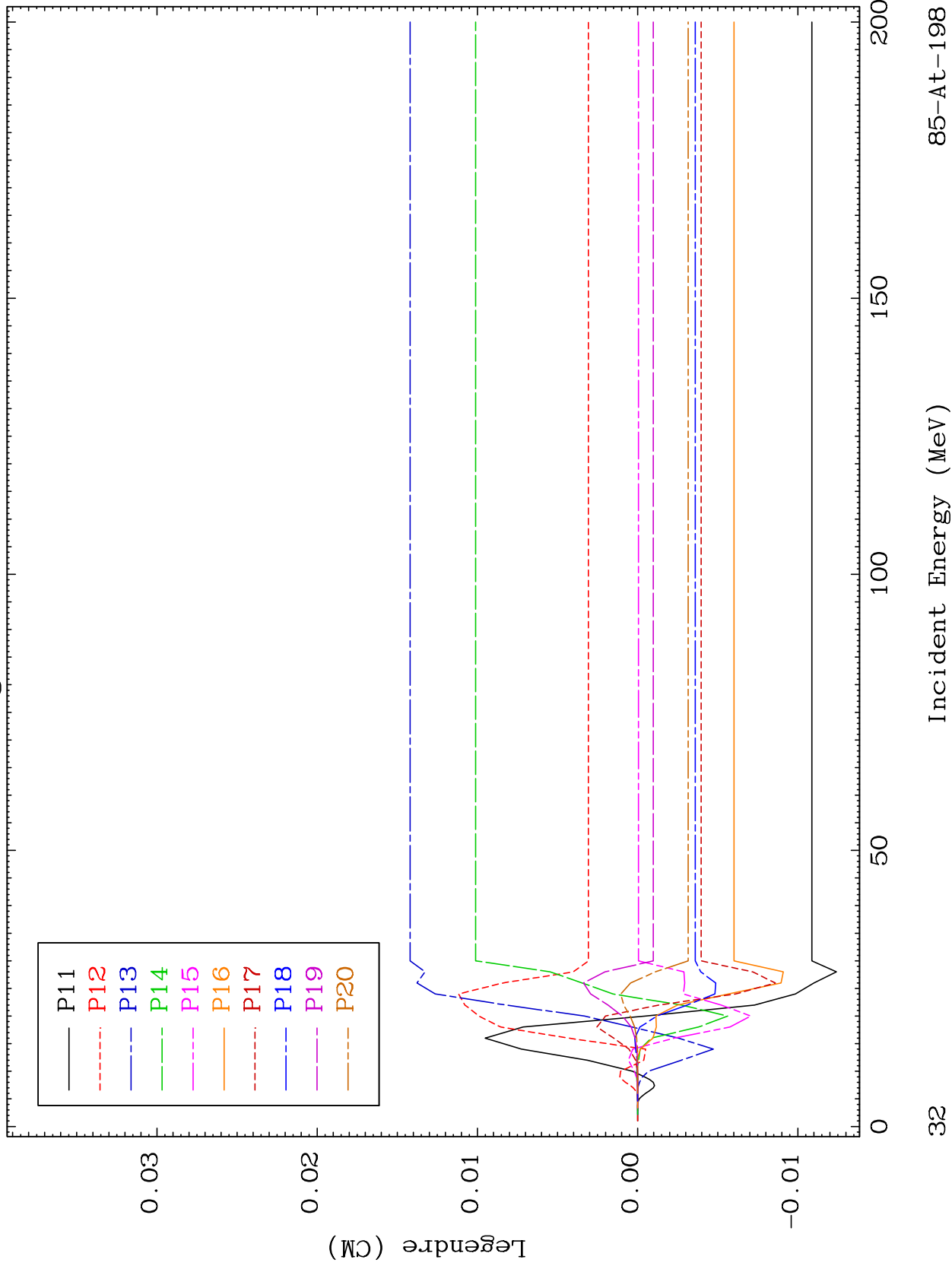
85-At-198



MAT 8510

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

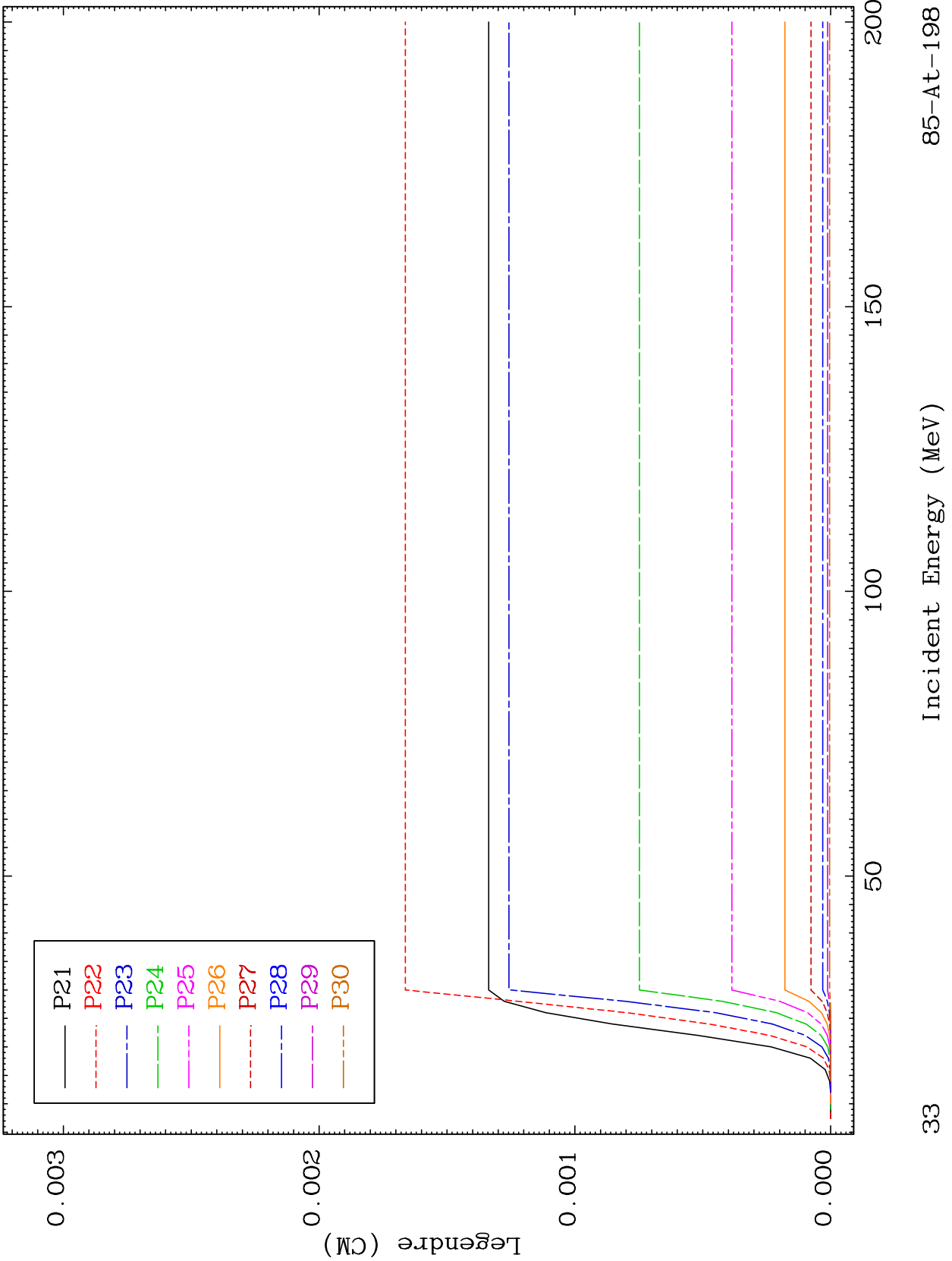
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32

Incident Energy (MeV)

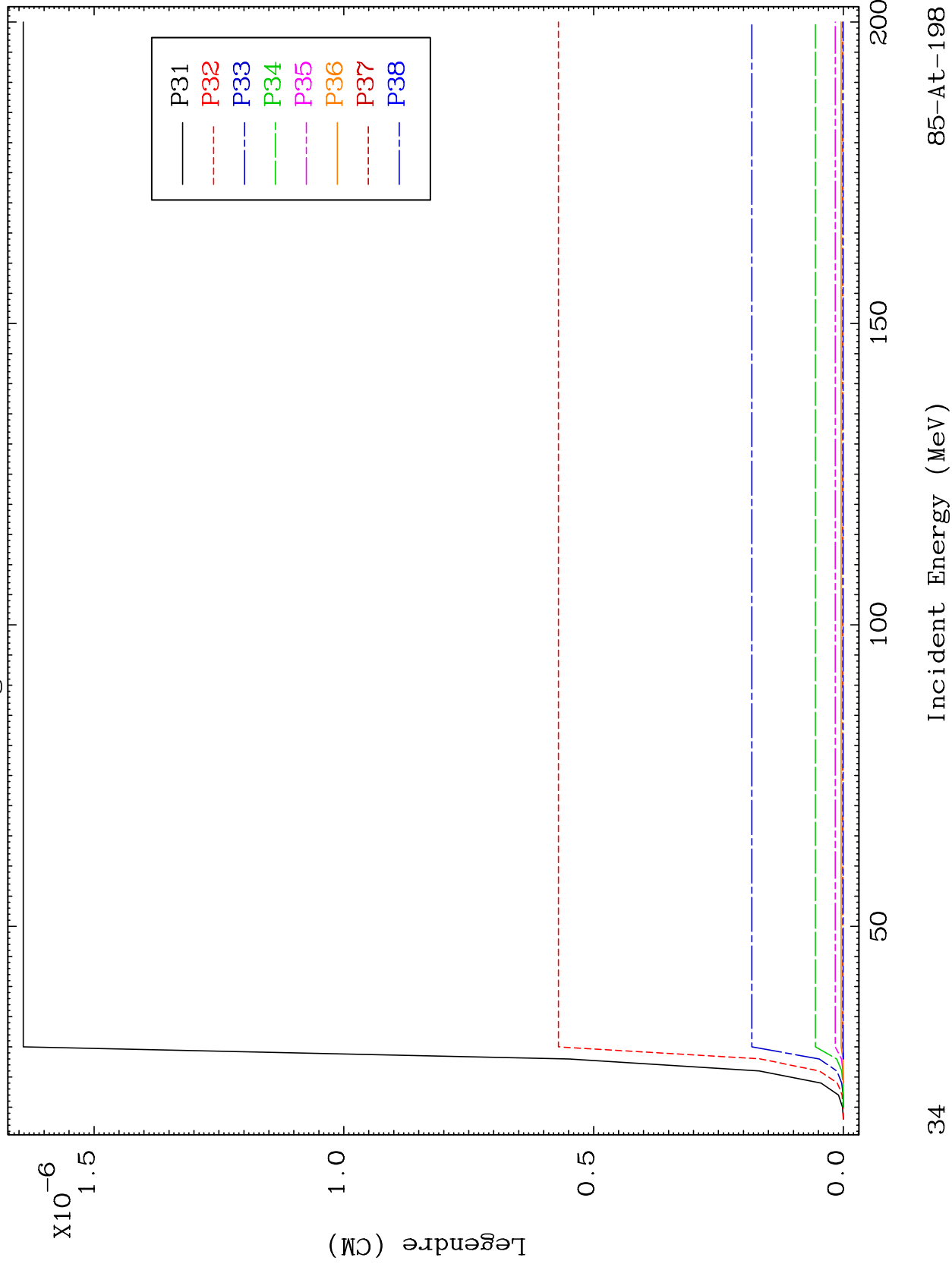
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MAT 8510

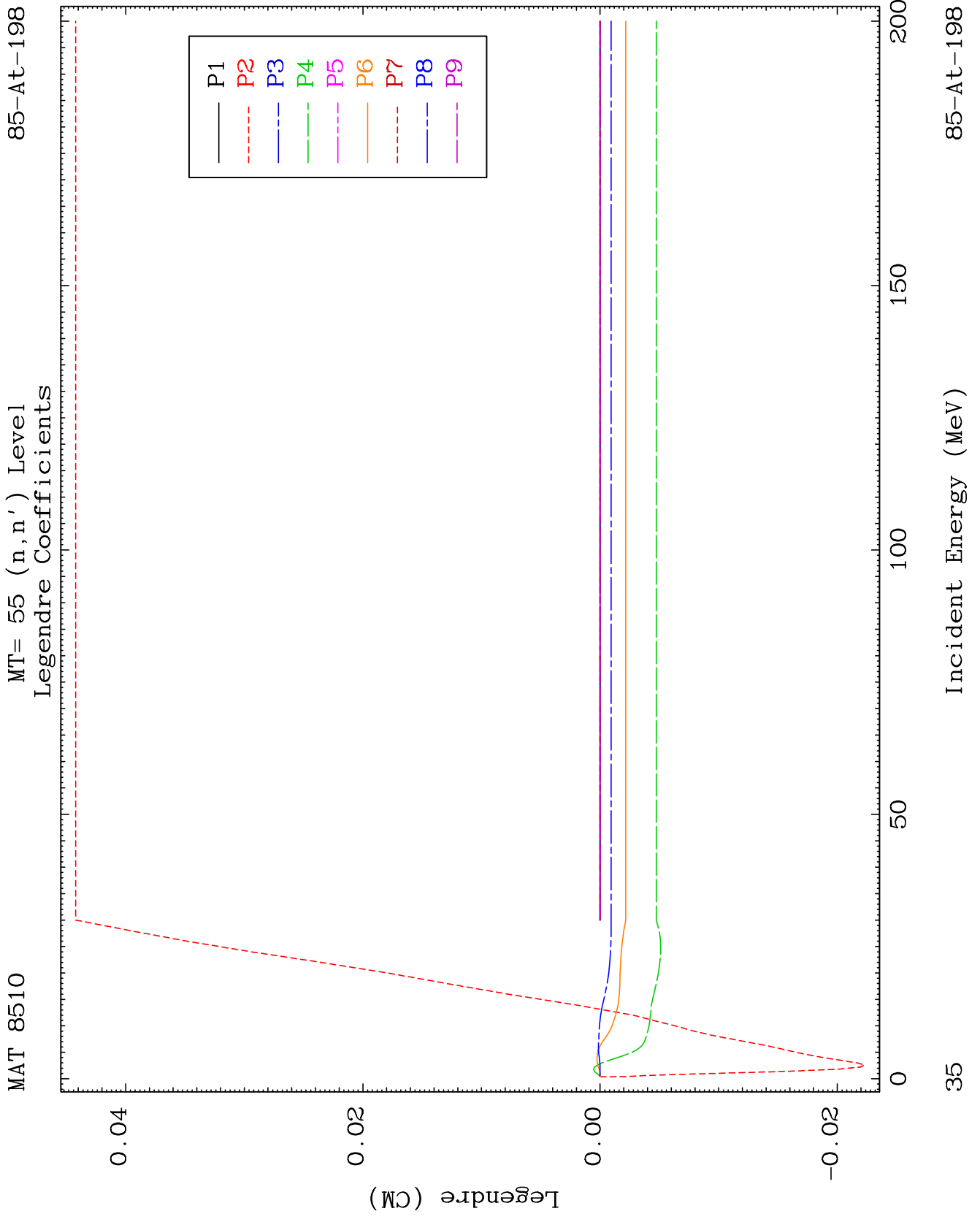
MT= 54 (n,n') Level
Legendre Coefficients

85-At-198



34

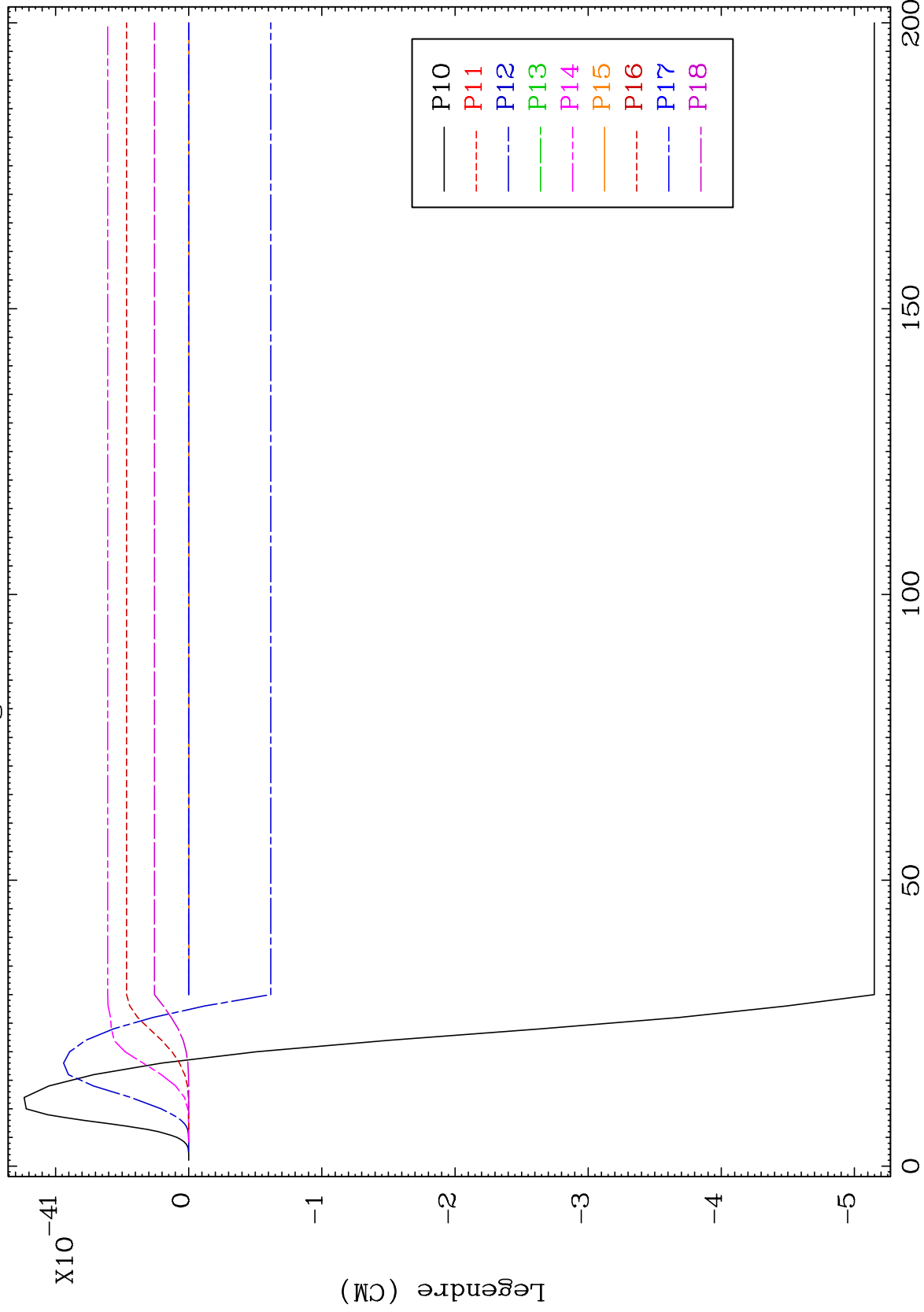
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MAT 8510

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

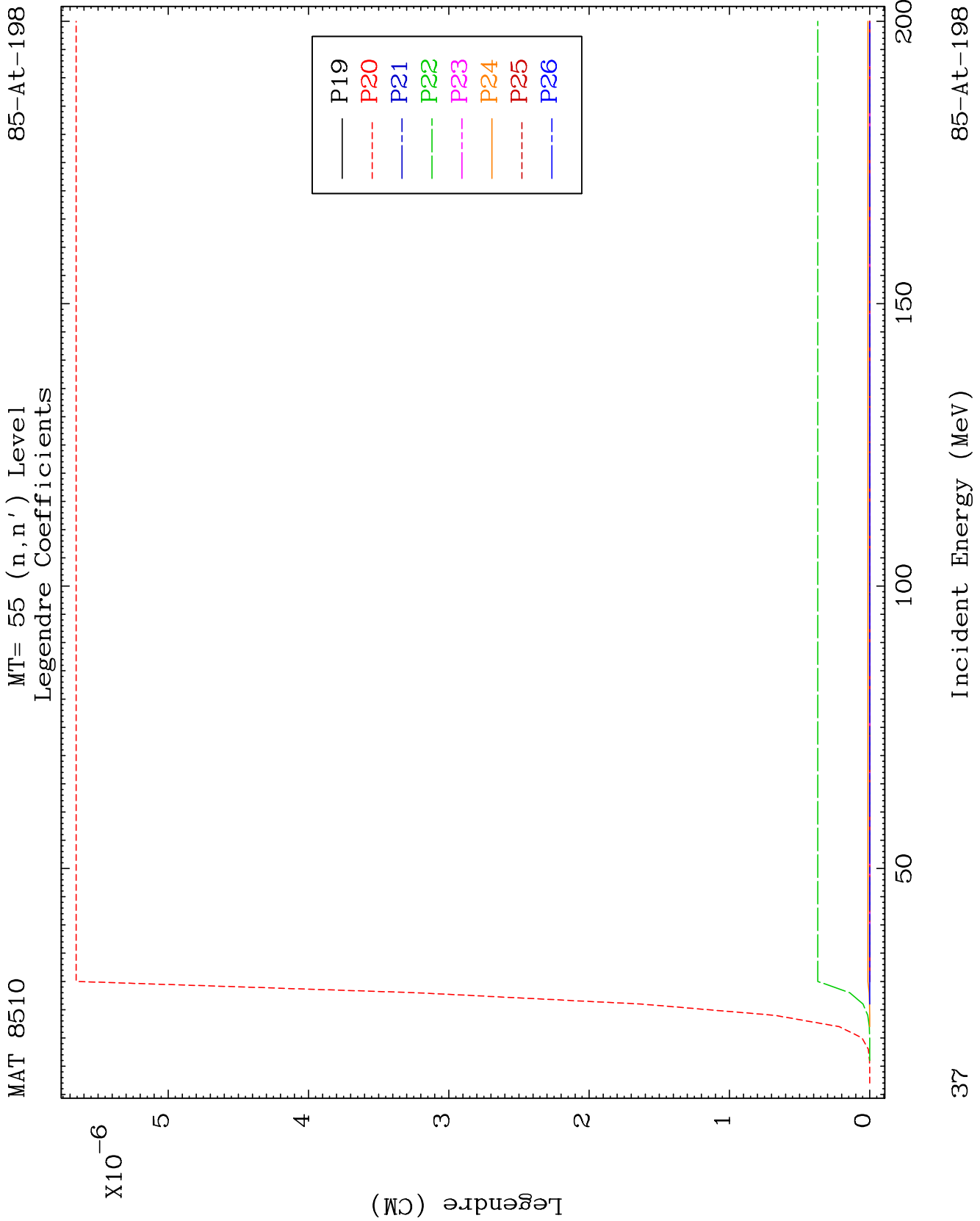
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36

Incident Energy (MeV)

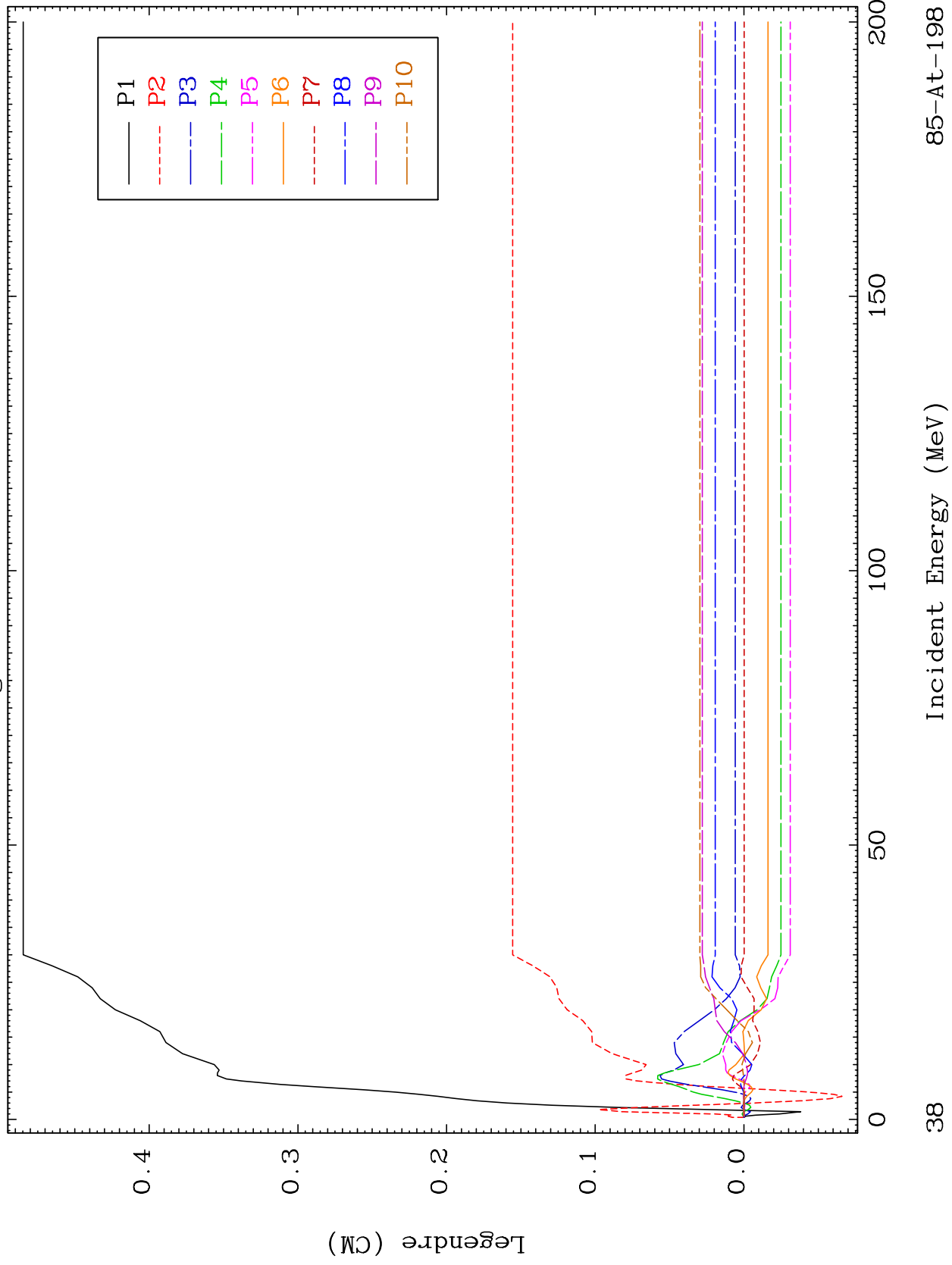
85-At-198



MAT 8510

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

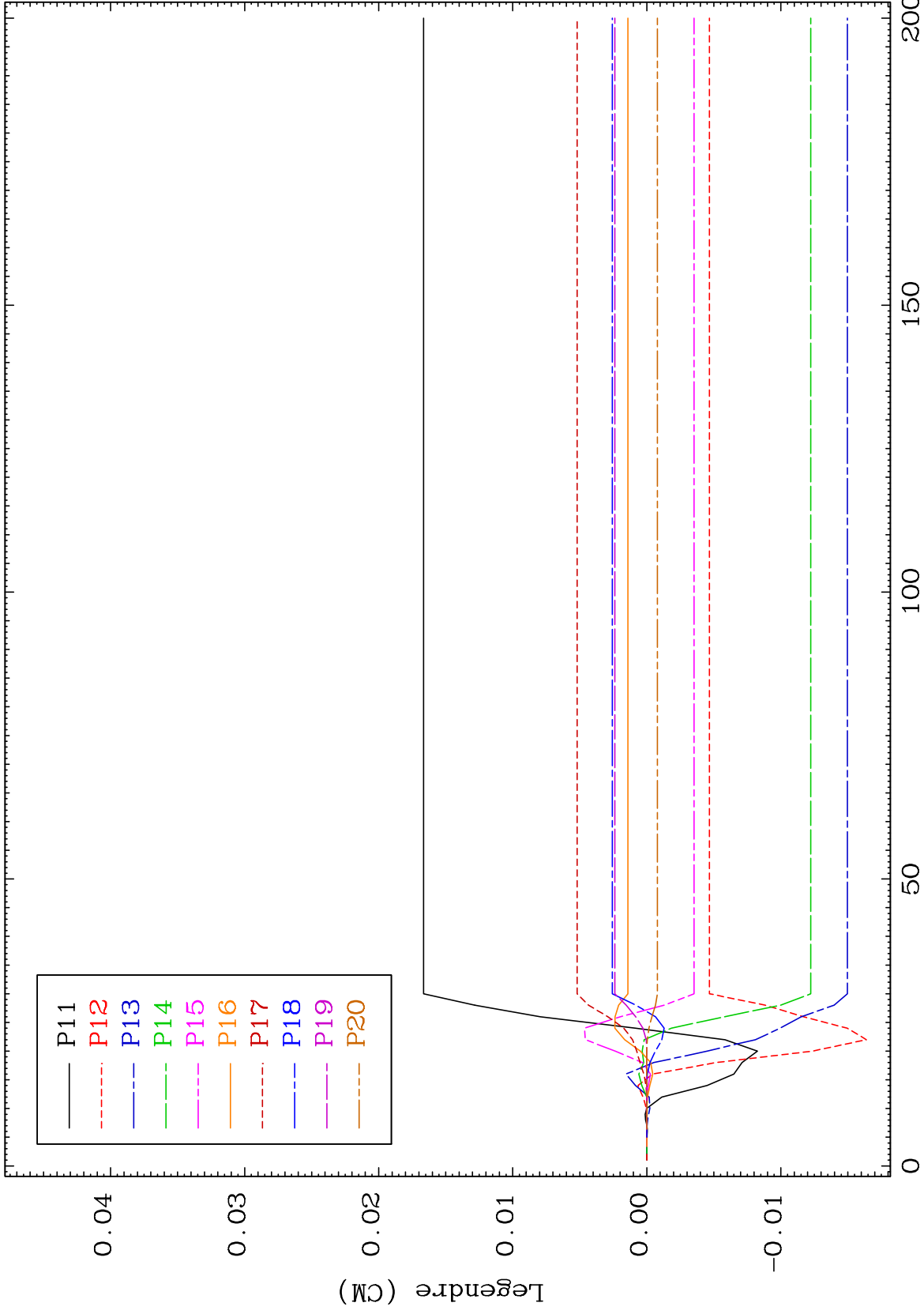
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MAT 8510

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

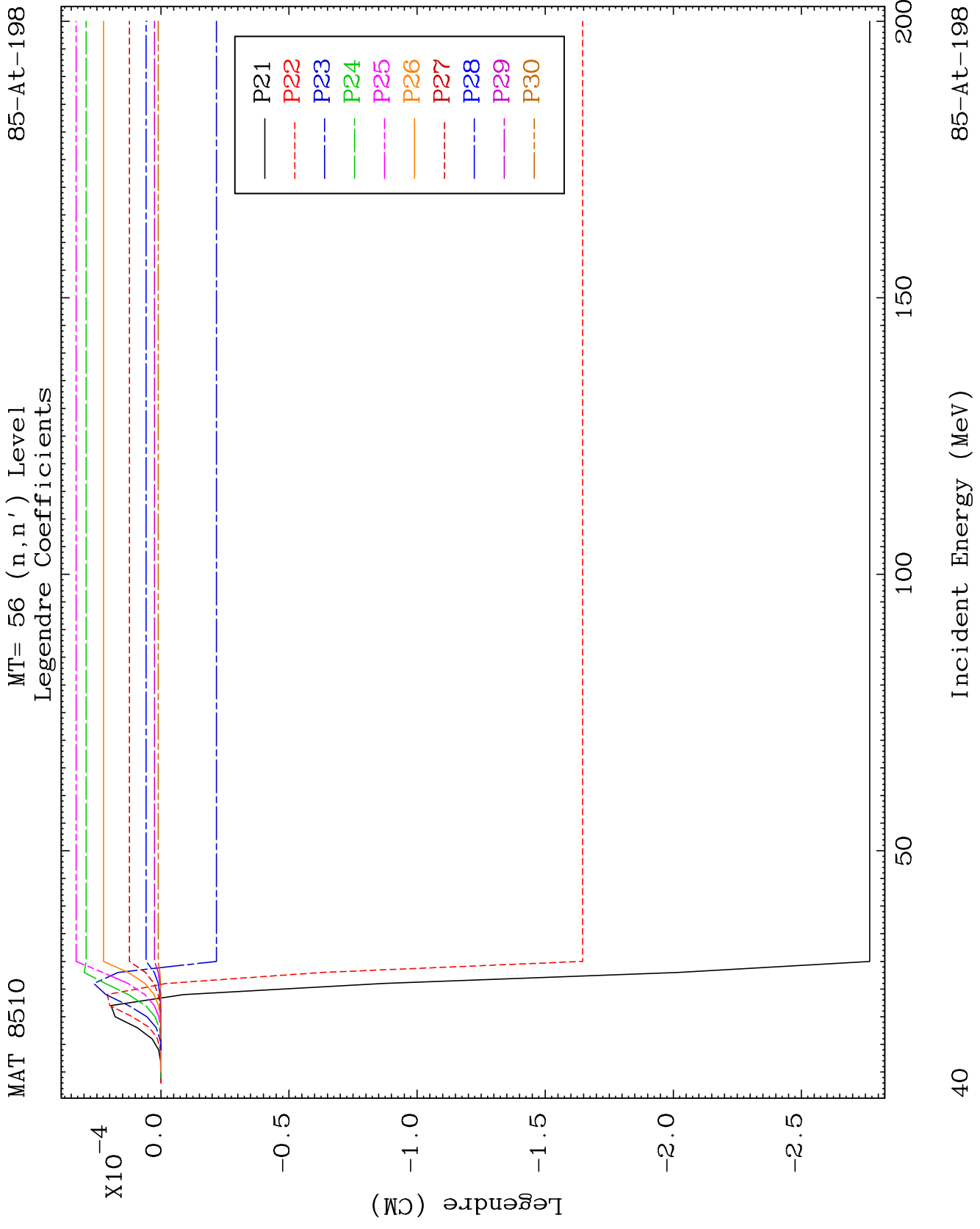
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39

Incident Energy (MeV)

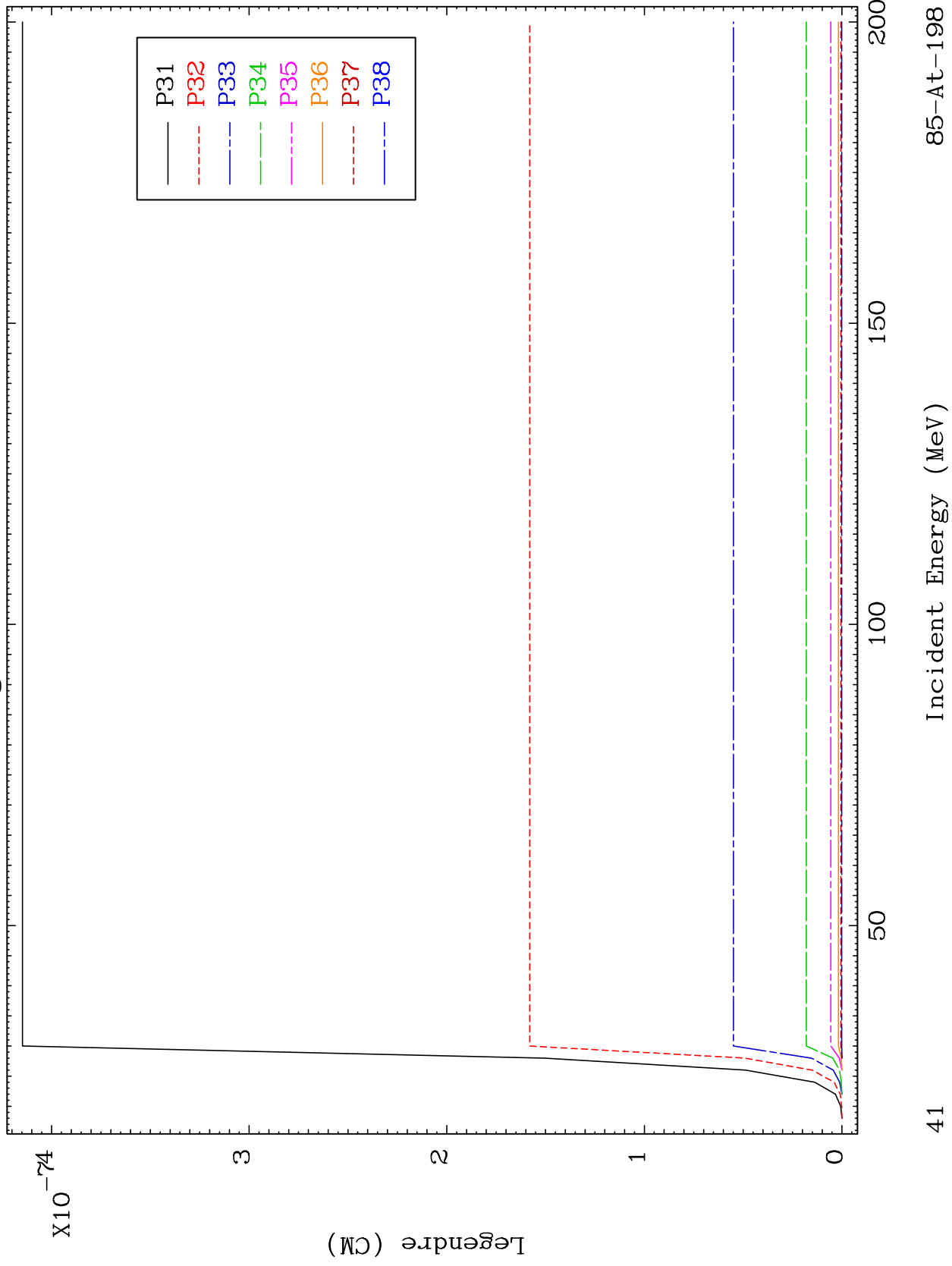
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MAT 8510

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

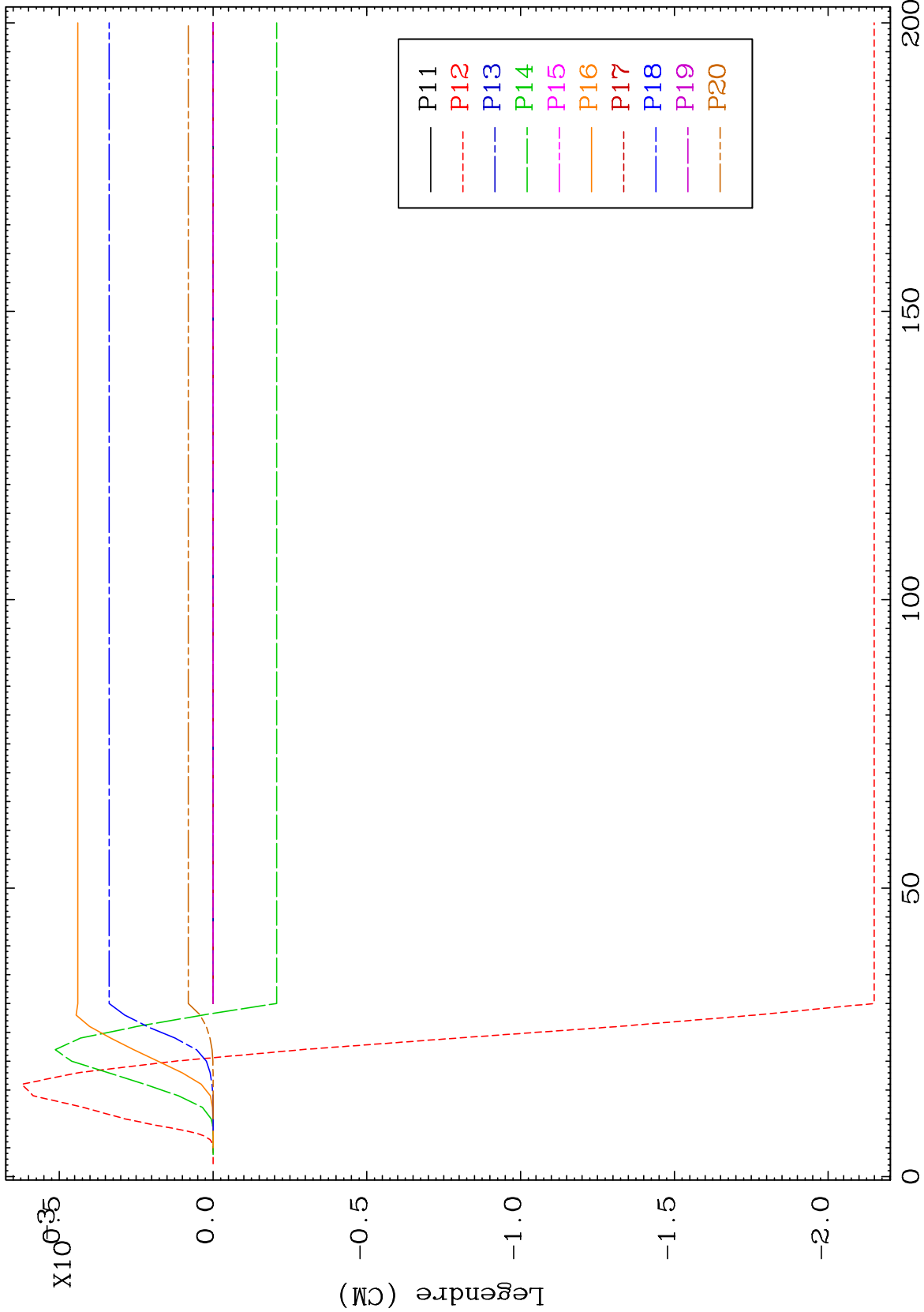
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MAT 8510

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

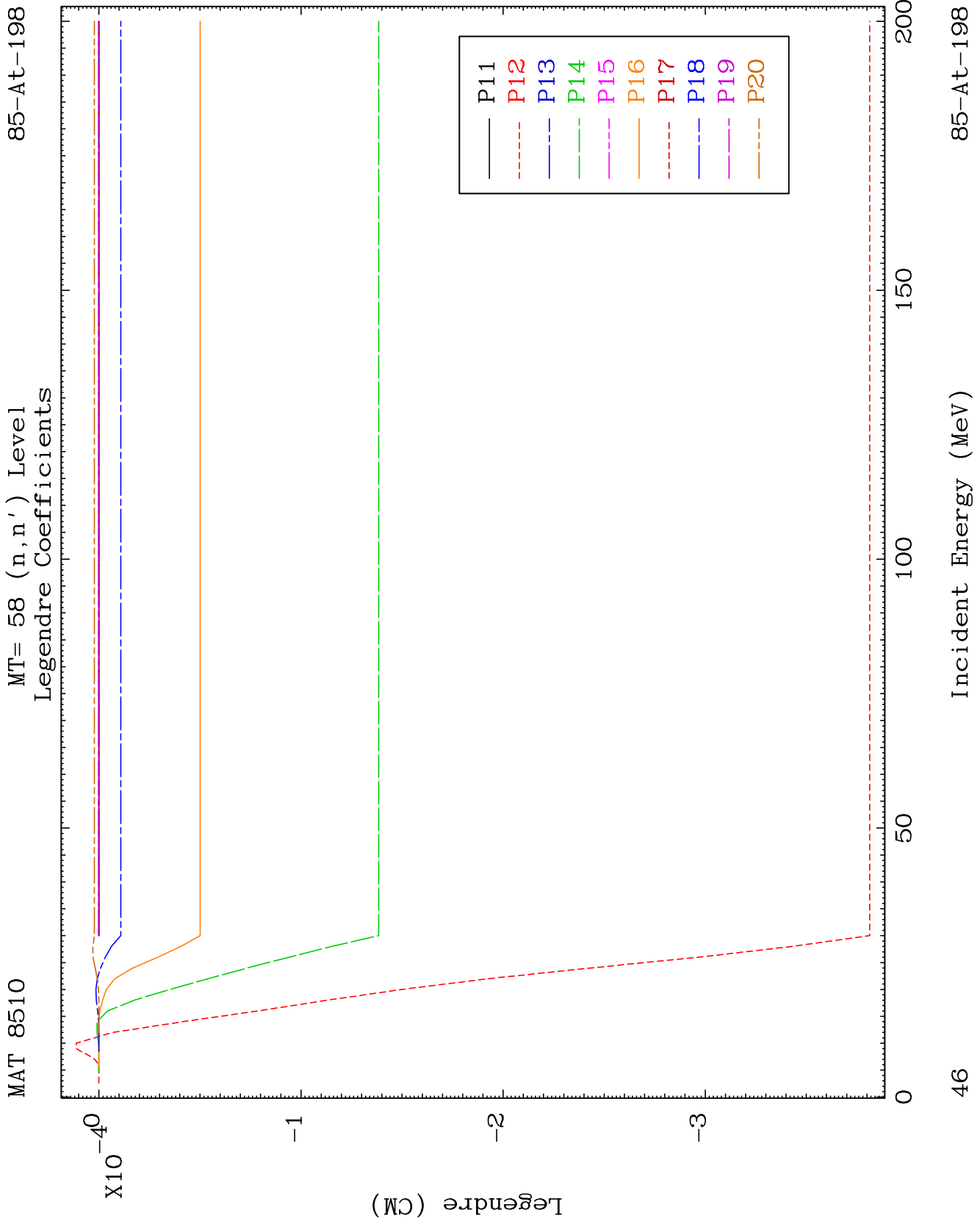
85-At-198



43

Incident Energy (MeV)

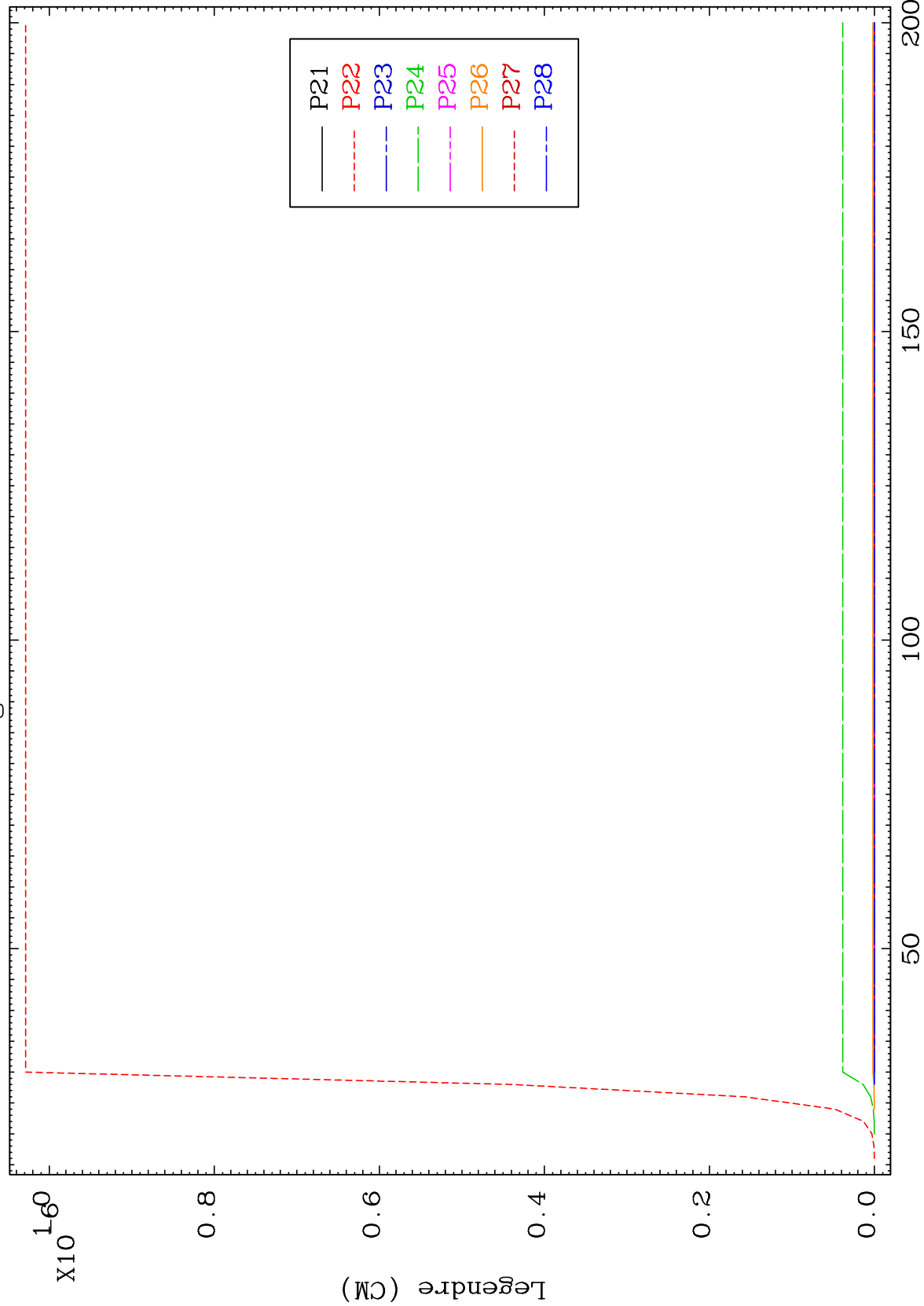
85-At-198



MAT 8510

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

85-At-198



85-At-198

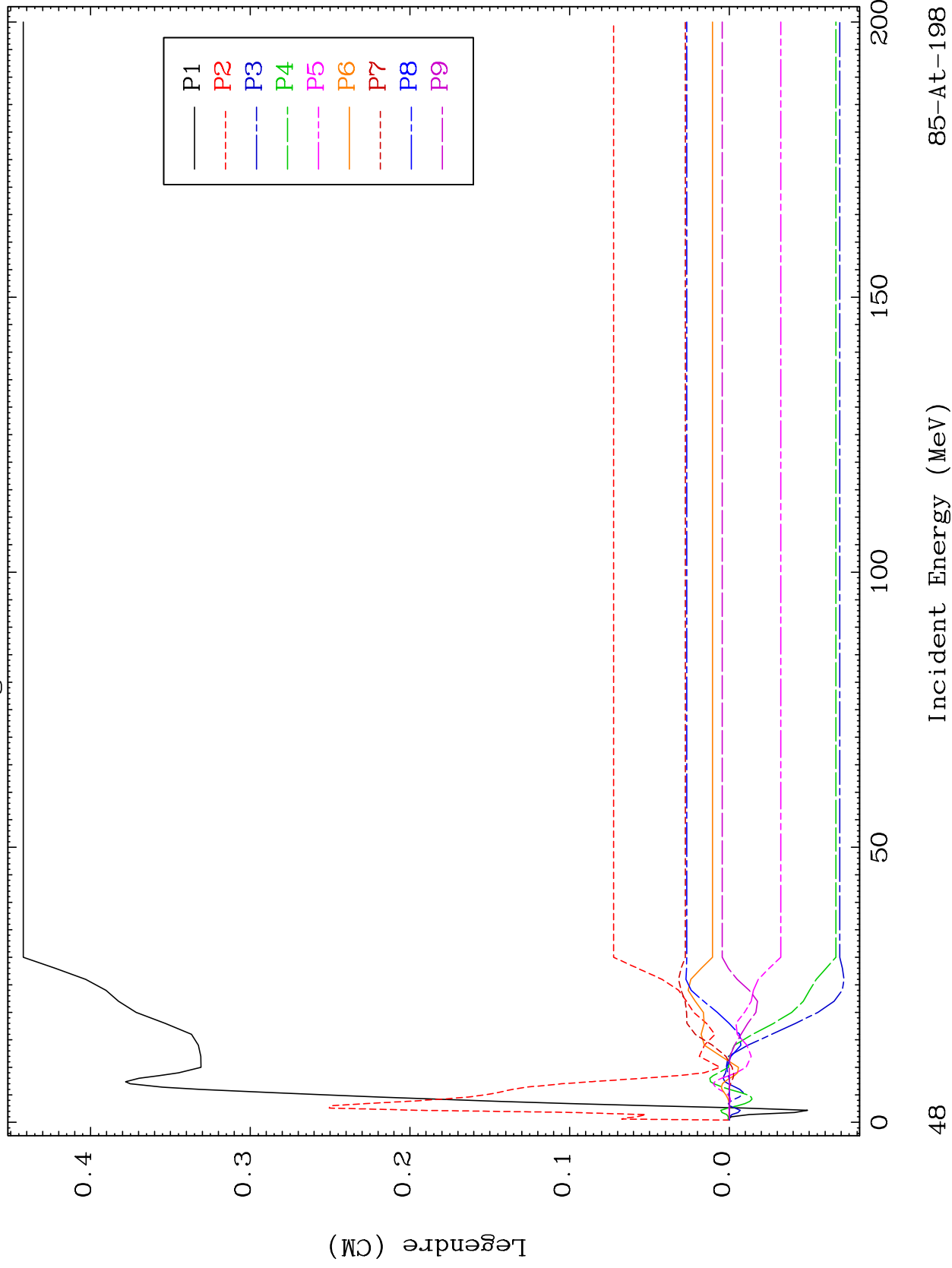
Incident Energy (MeV)

47

MAT 8510

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

85-At-198



85-At-198

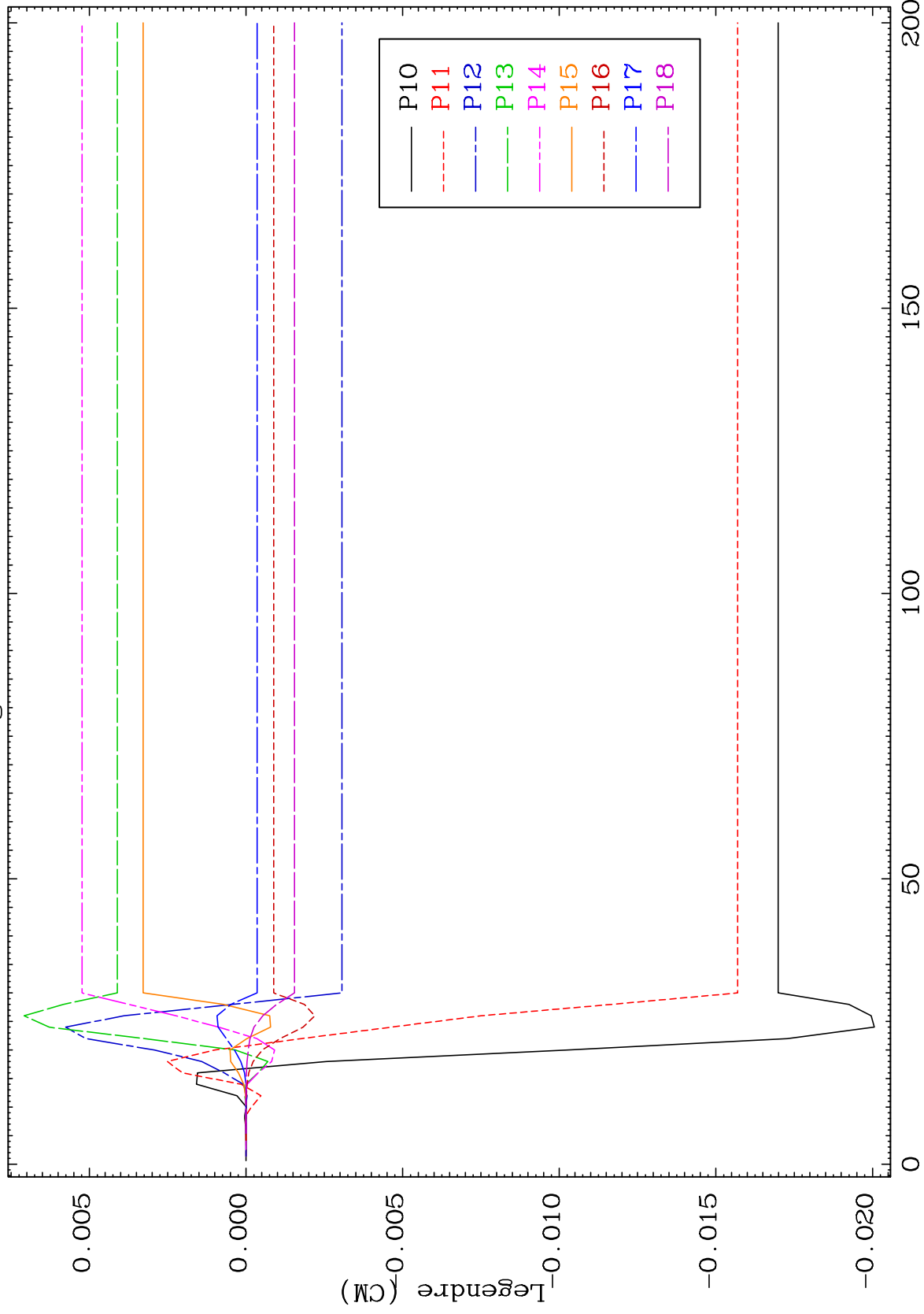
Incident Energy (MeV)

48

MAT 8510

85-At-198

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



49

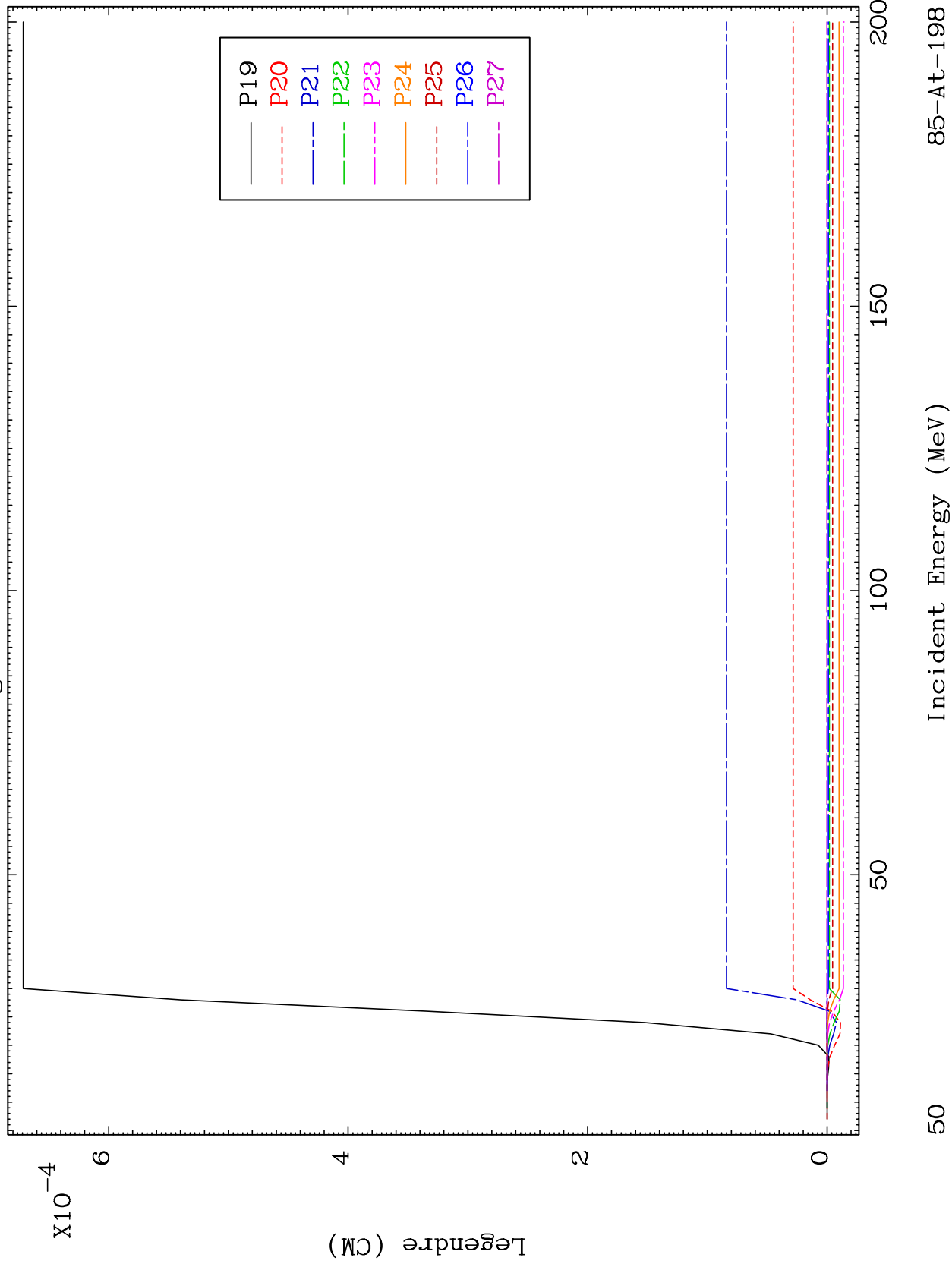
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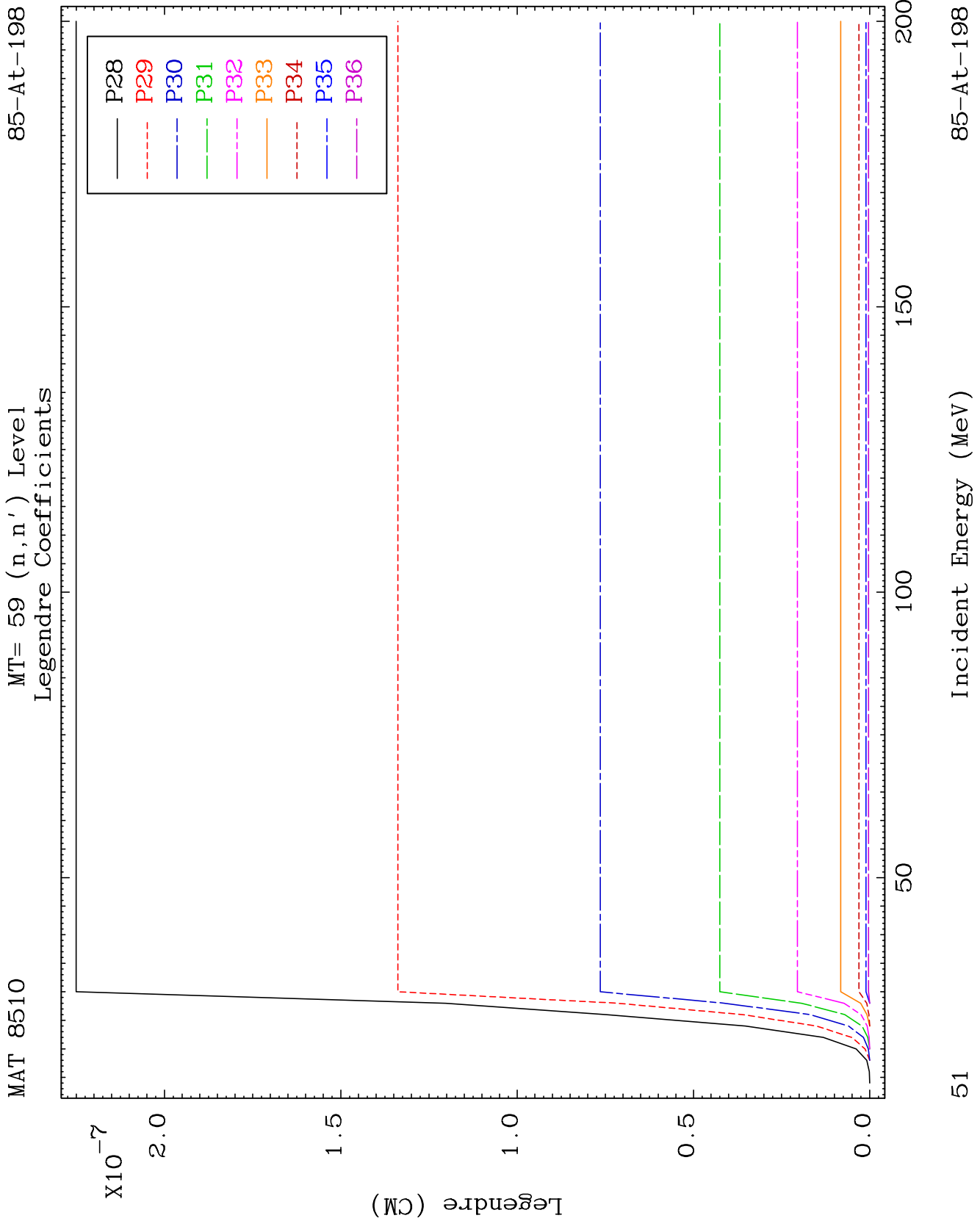
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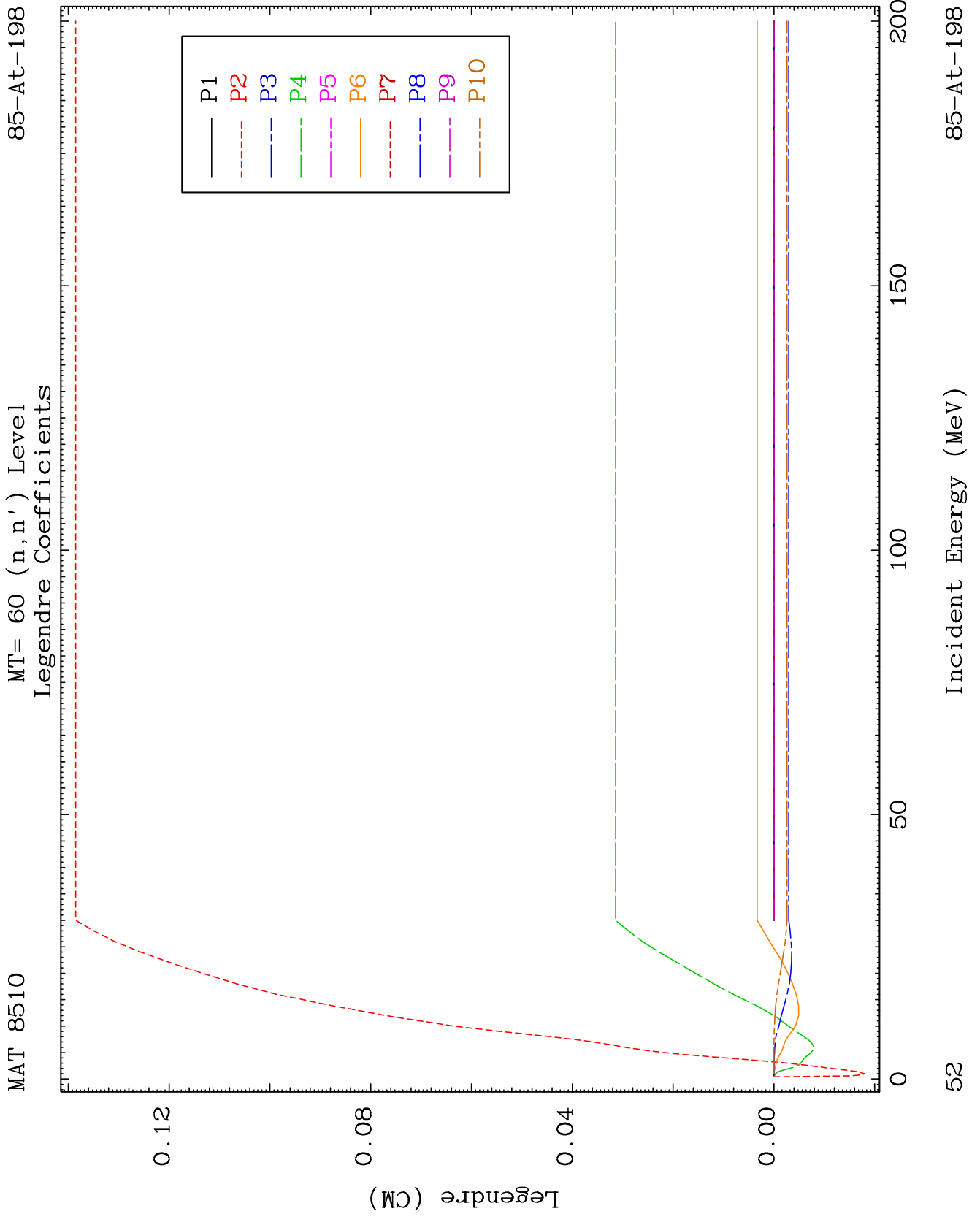
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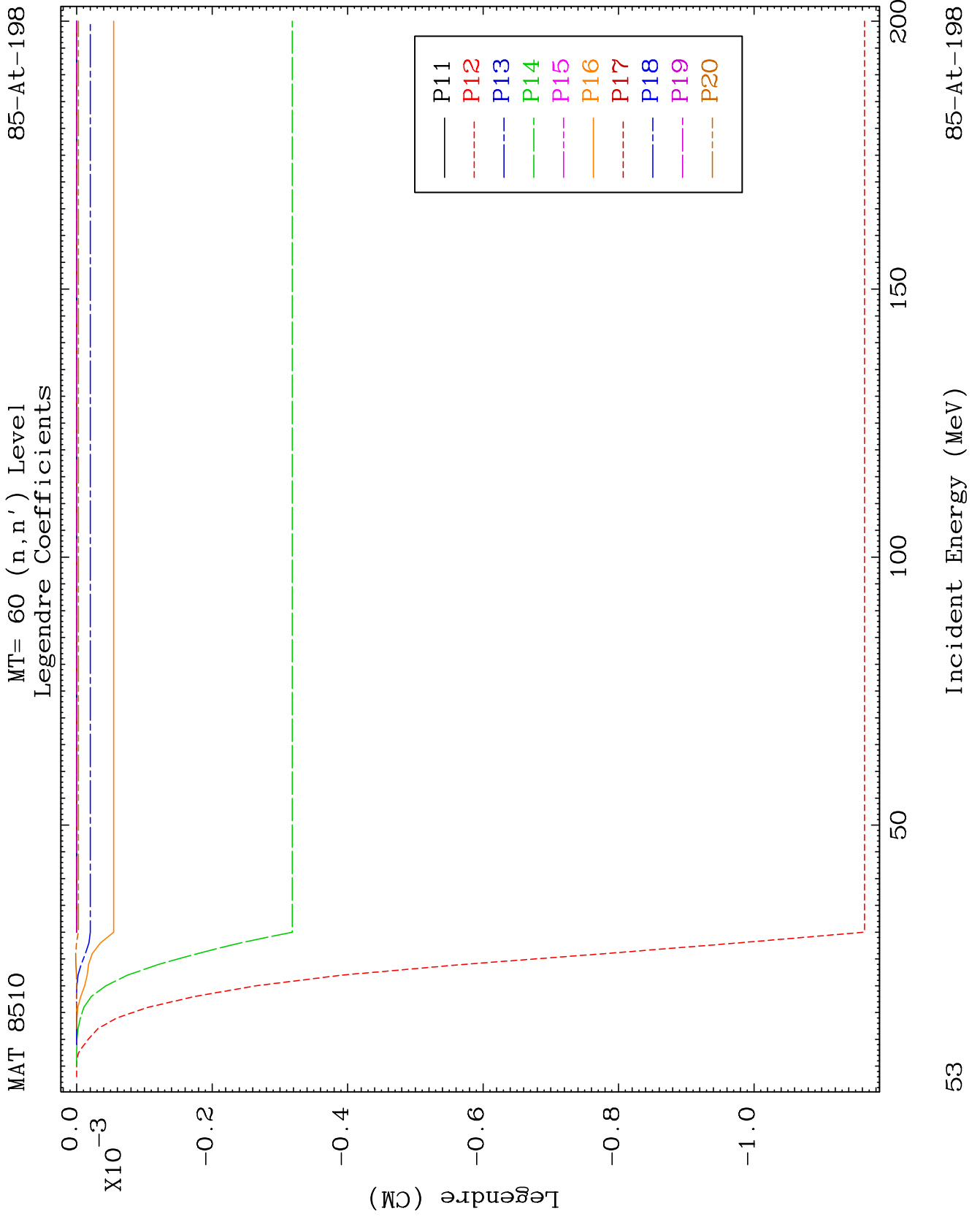
MT= 59 (n,n') Level
Legendre Coefficients

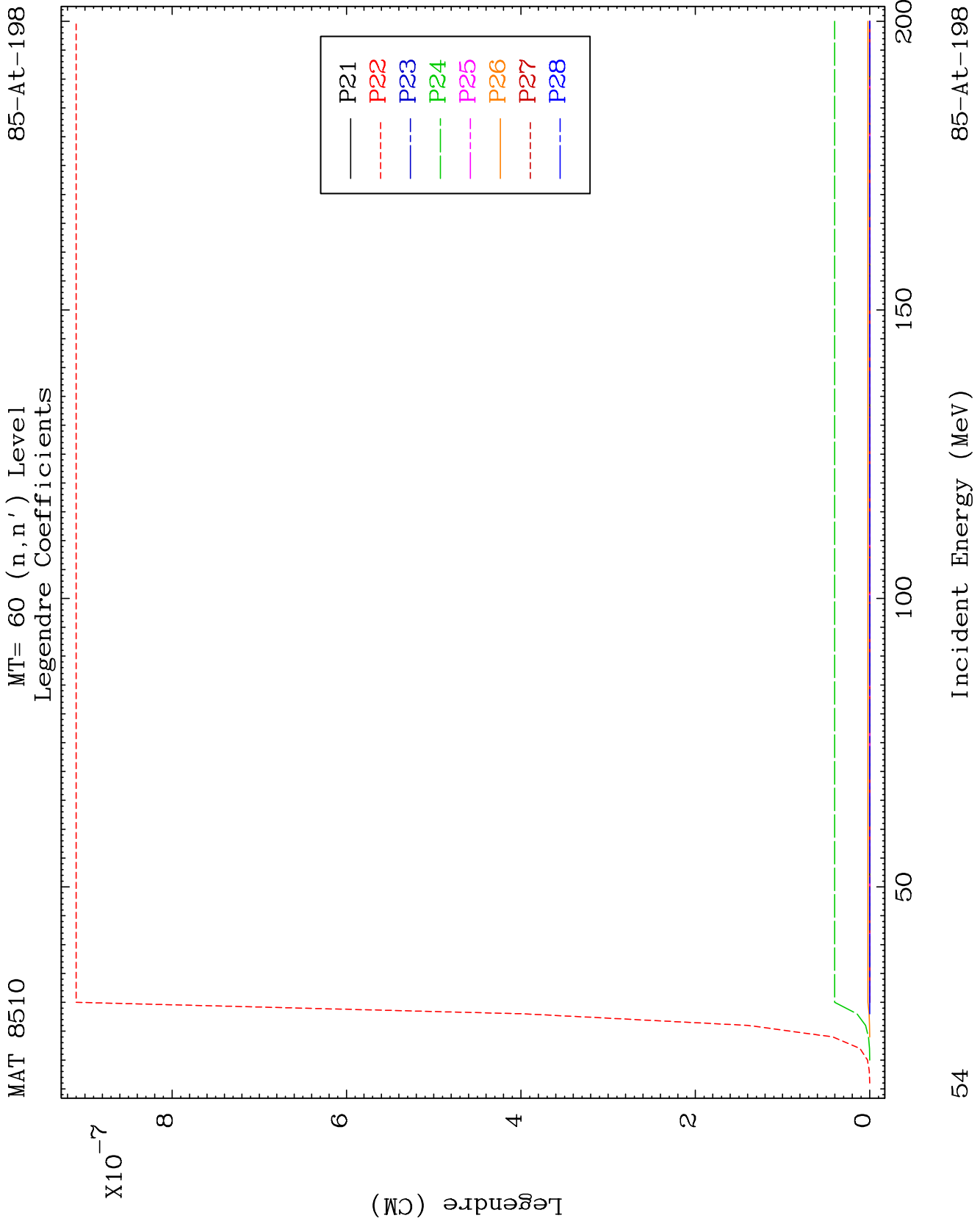
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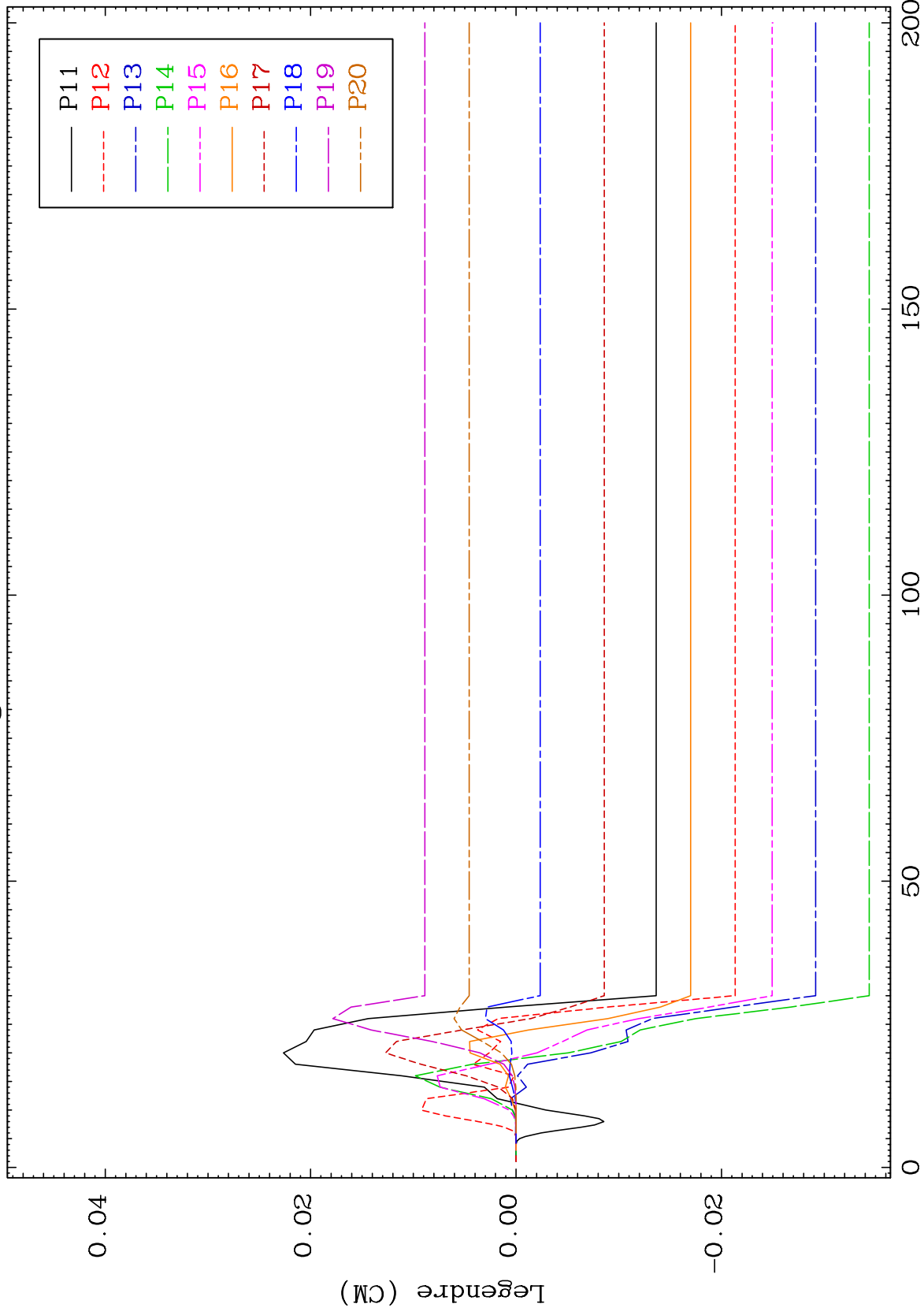




MAT 8510

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

85-At-198



56

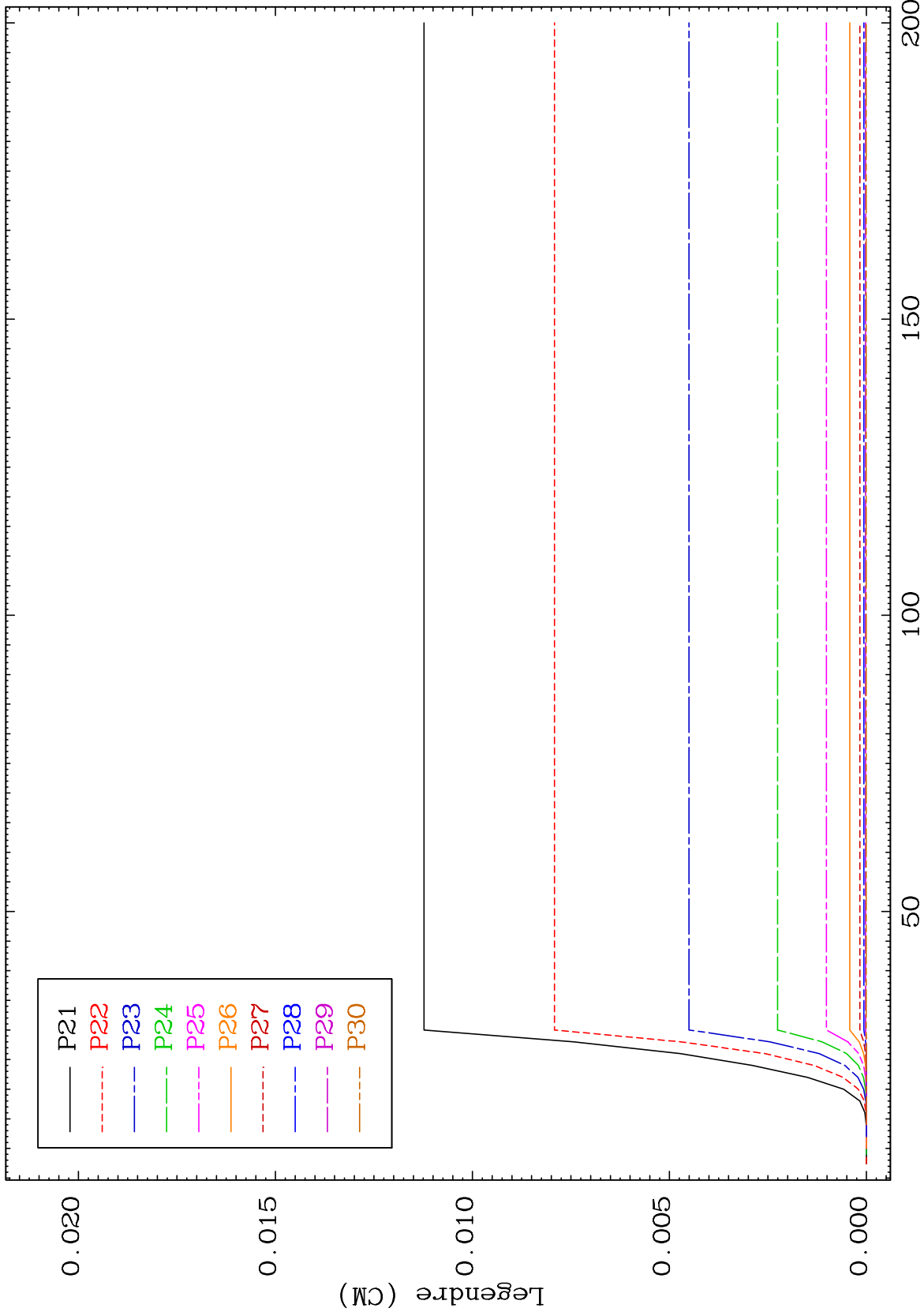
Incident Energy (MeV)

85-At-198

MAT 8510

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

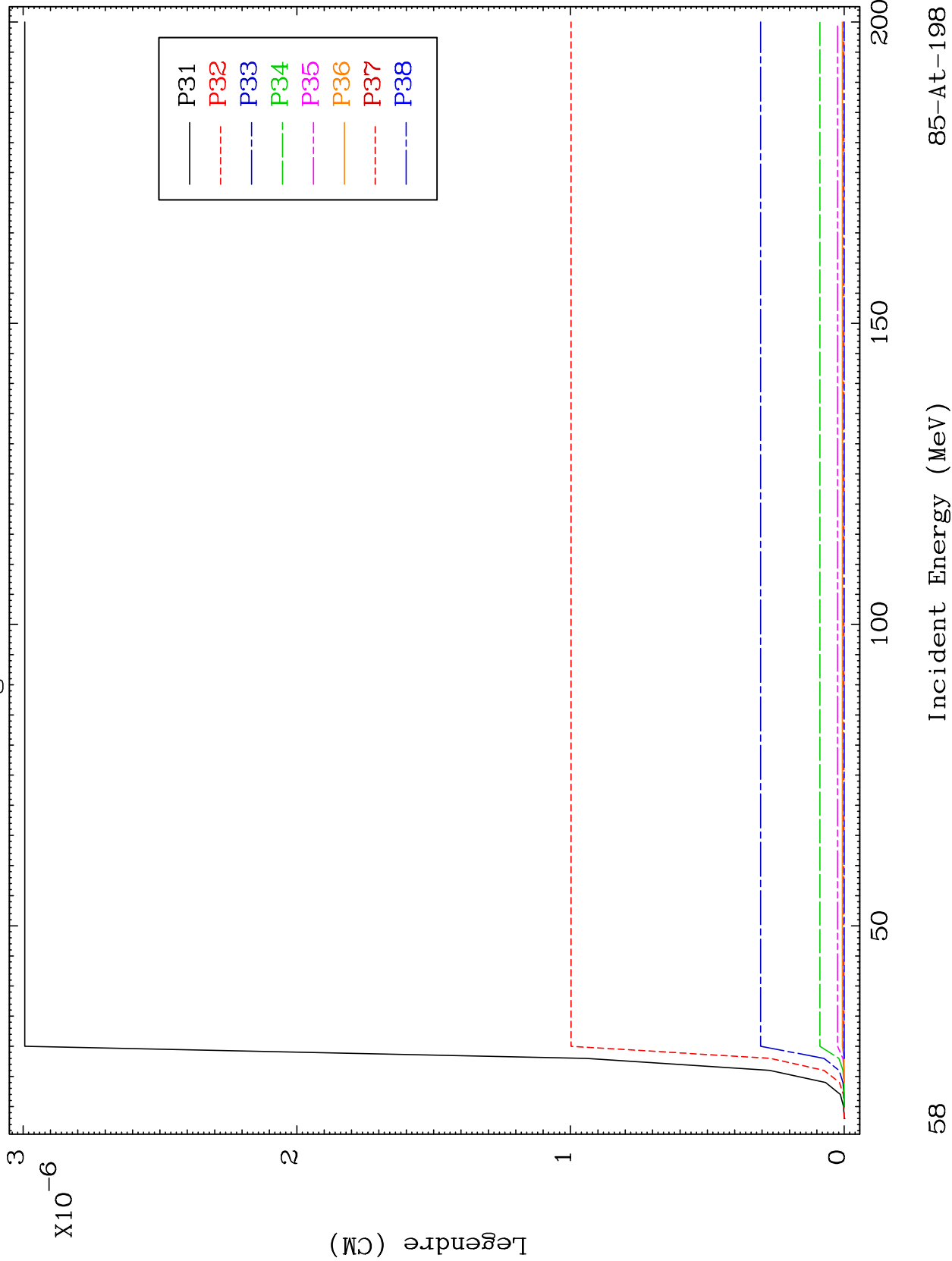
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MAT 8510

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

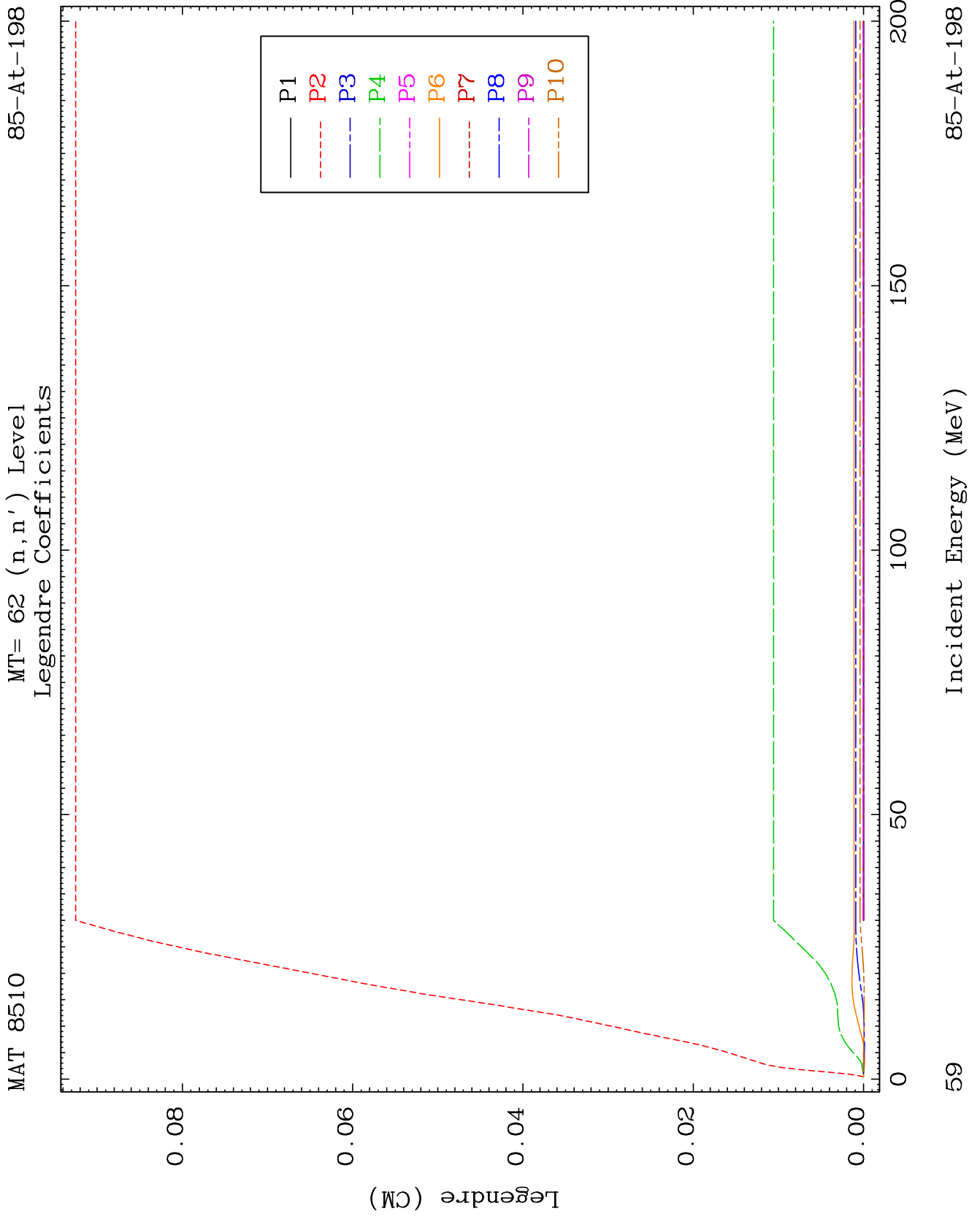
85-At-198



58

Incident Energy (MeV)

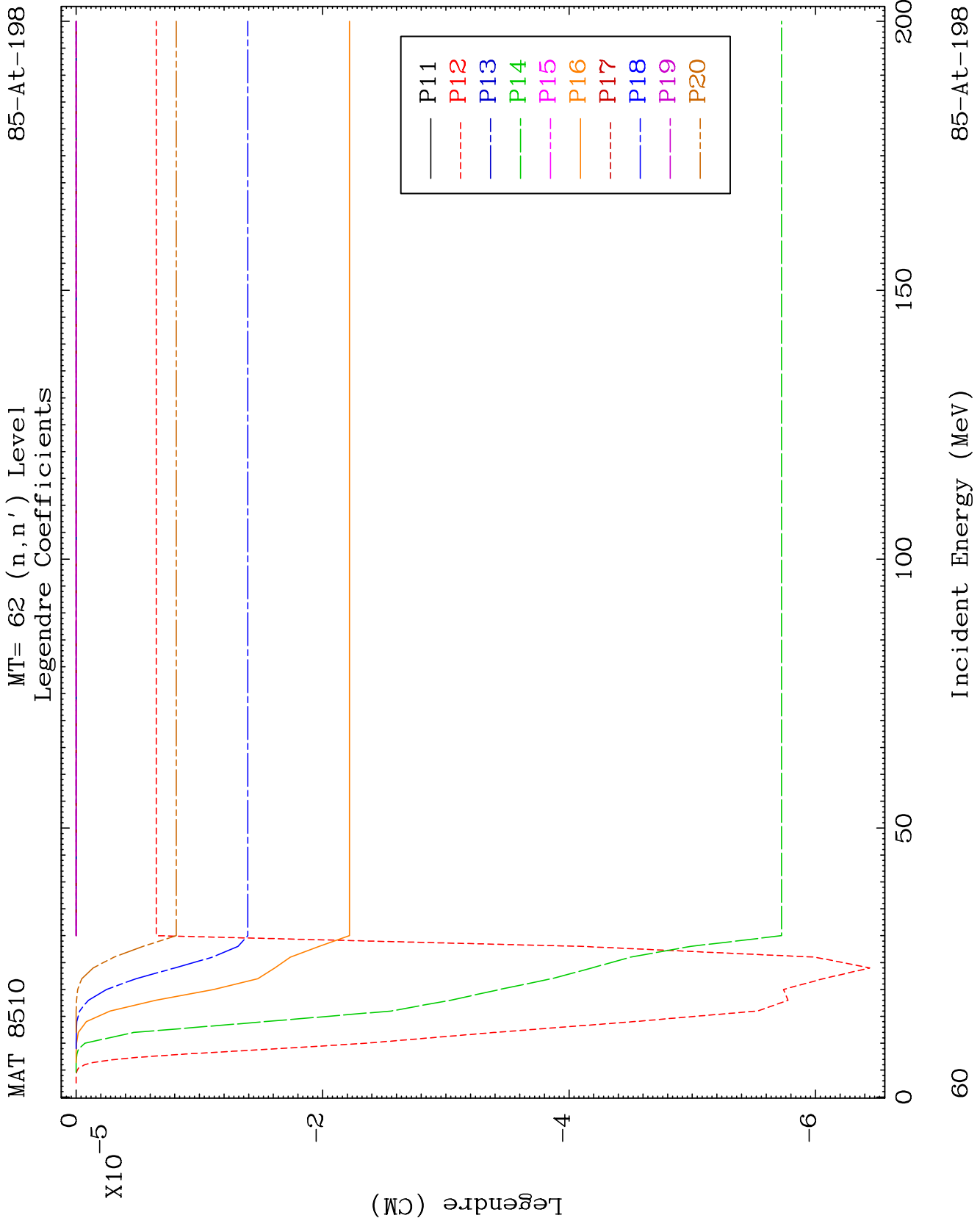
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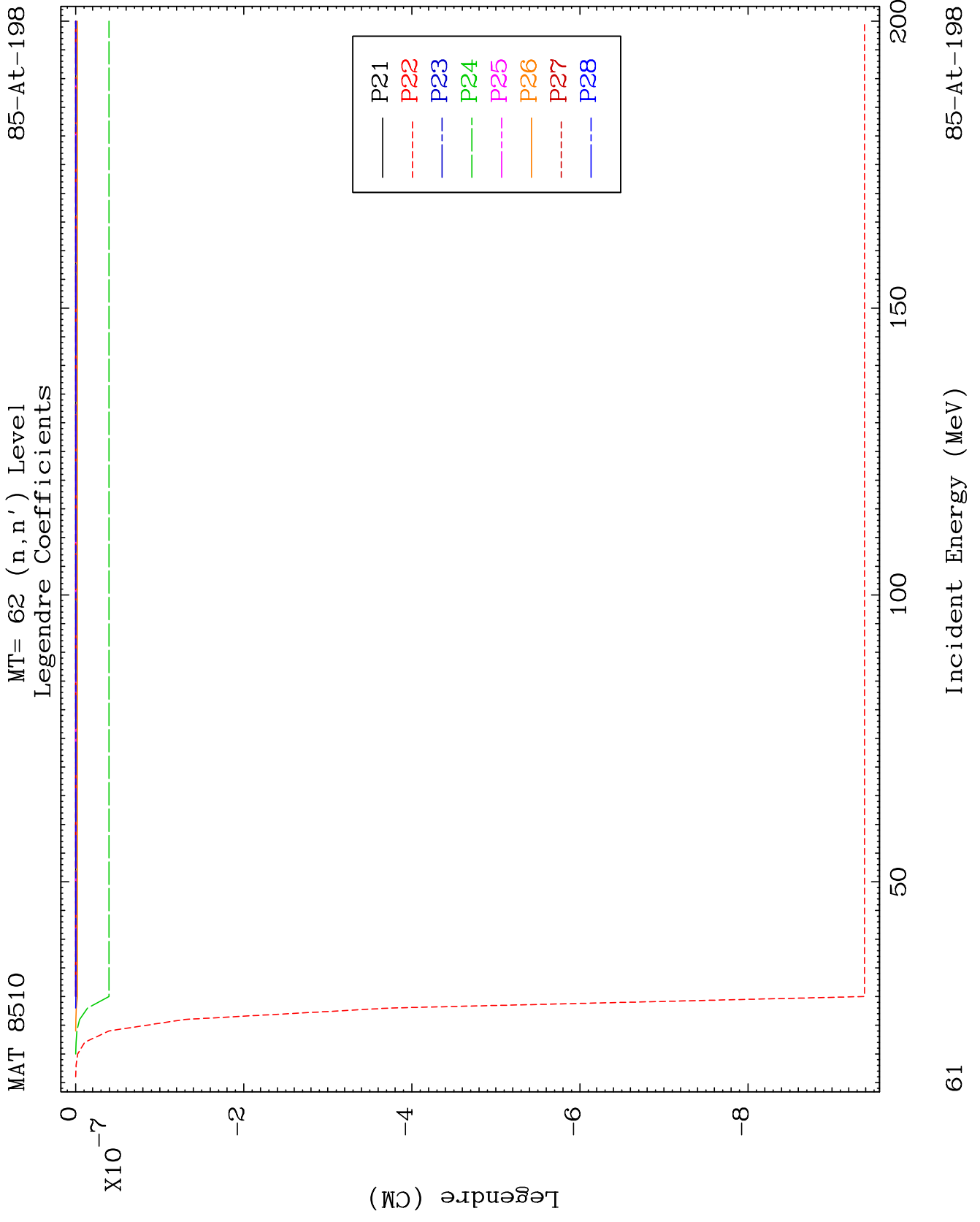


85-At-198

Incident Energy (MeV)

59

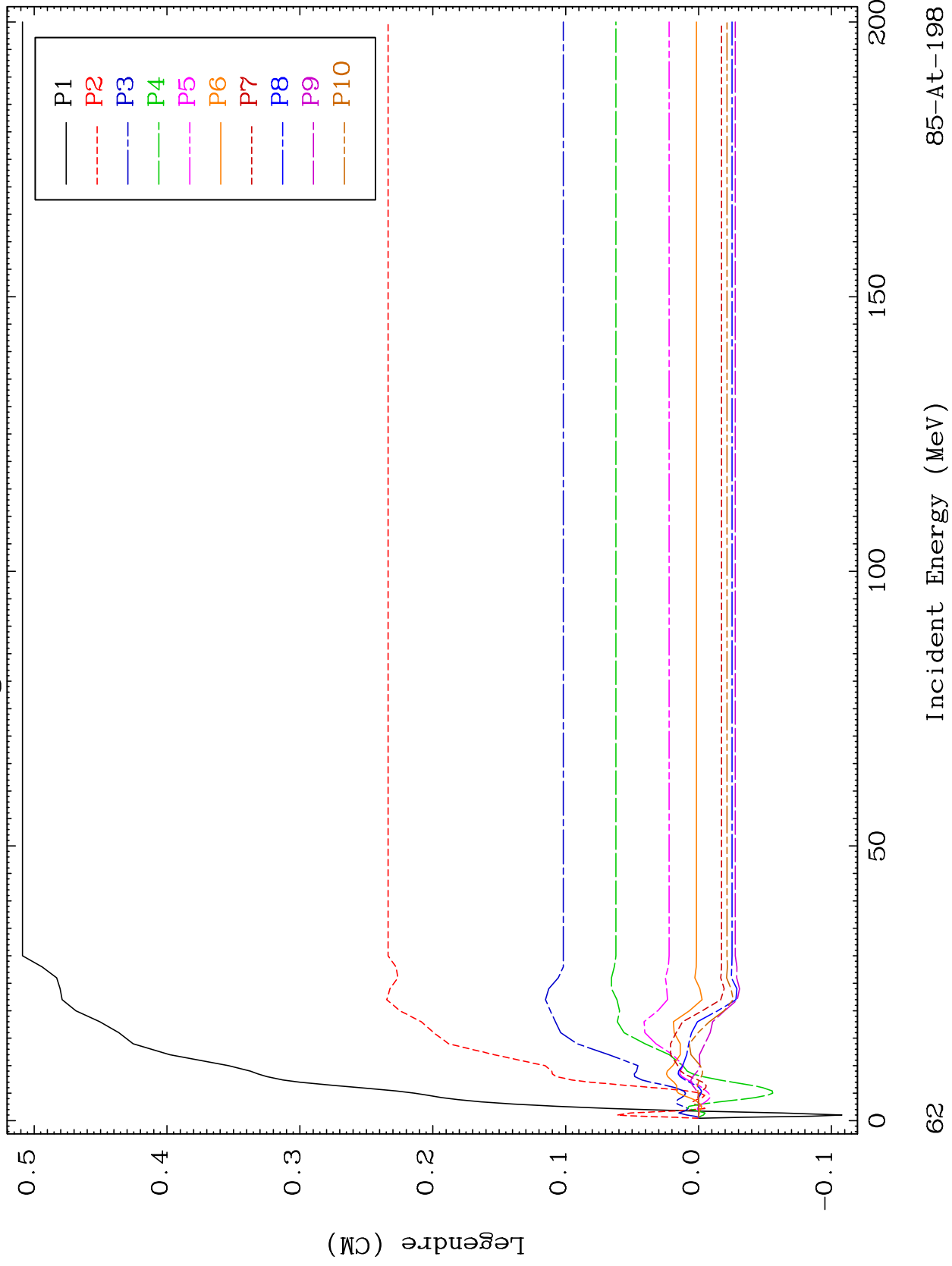




MAT 8510

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

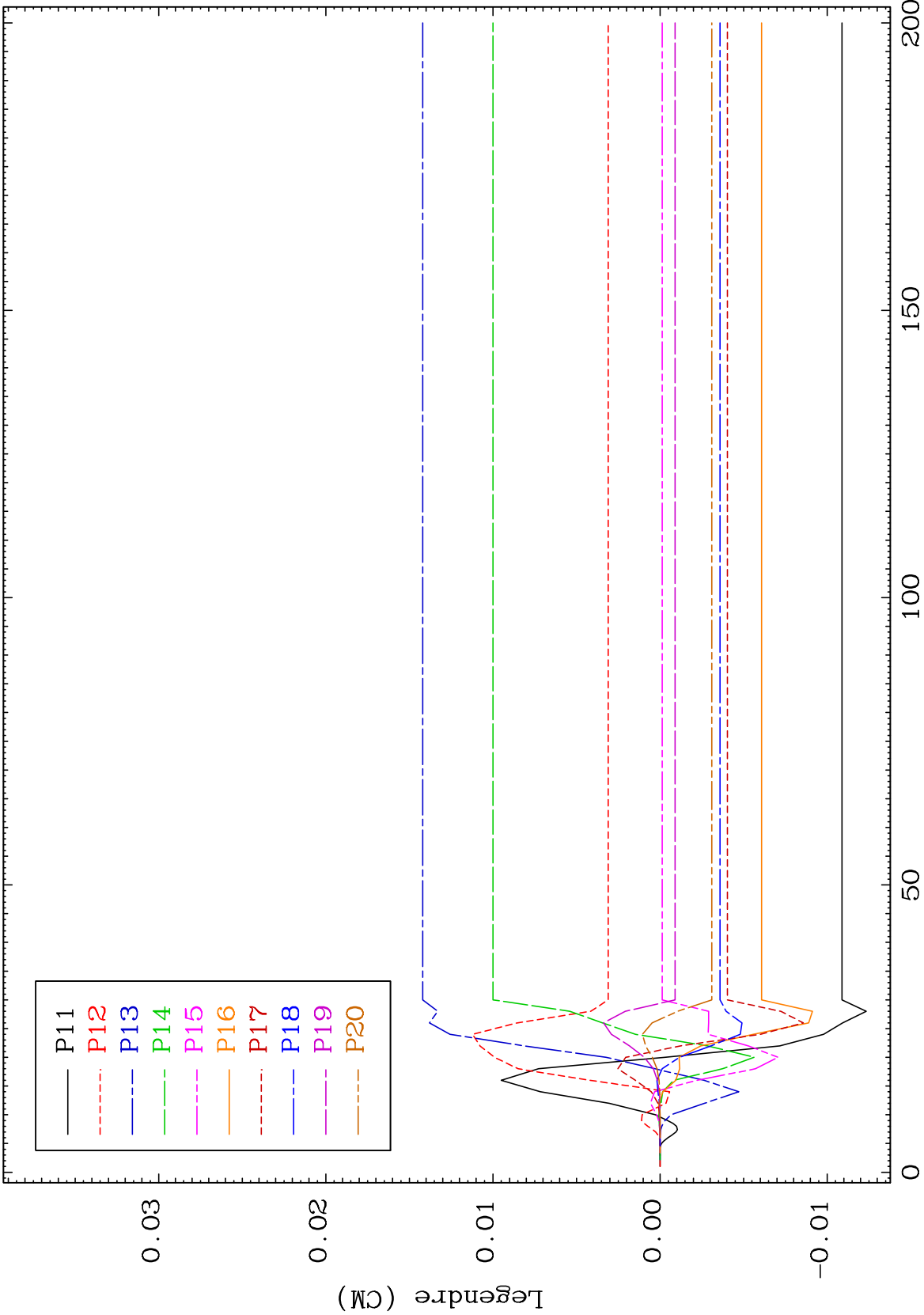
85-At-198



MAT 8510

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

85-At-198



63

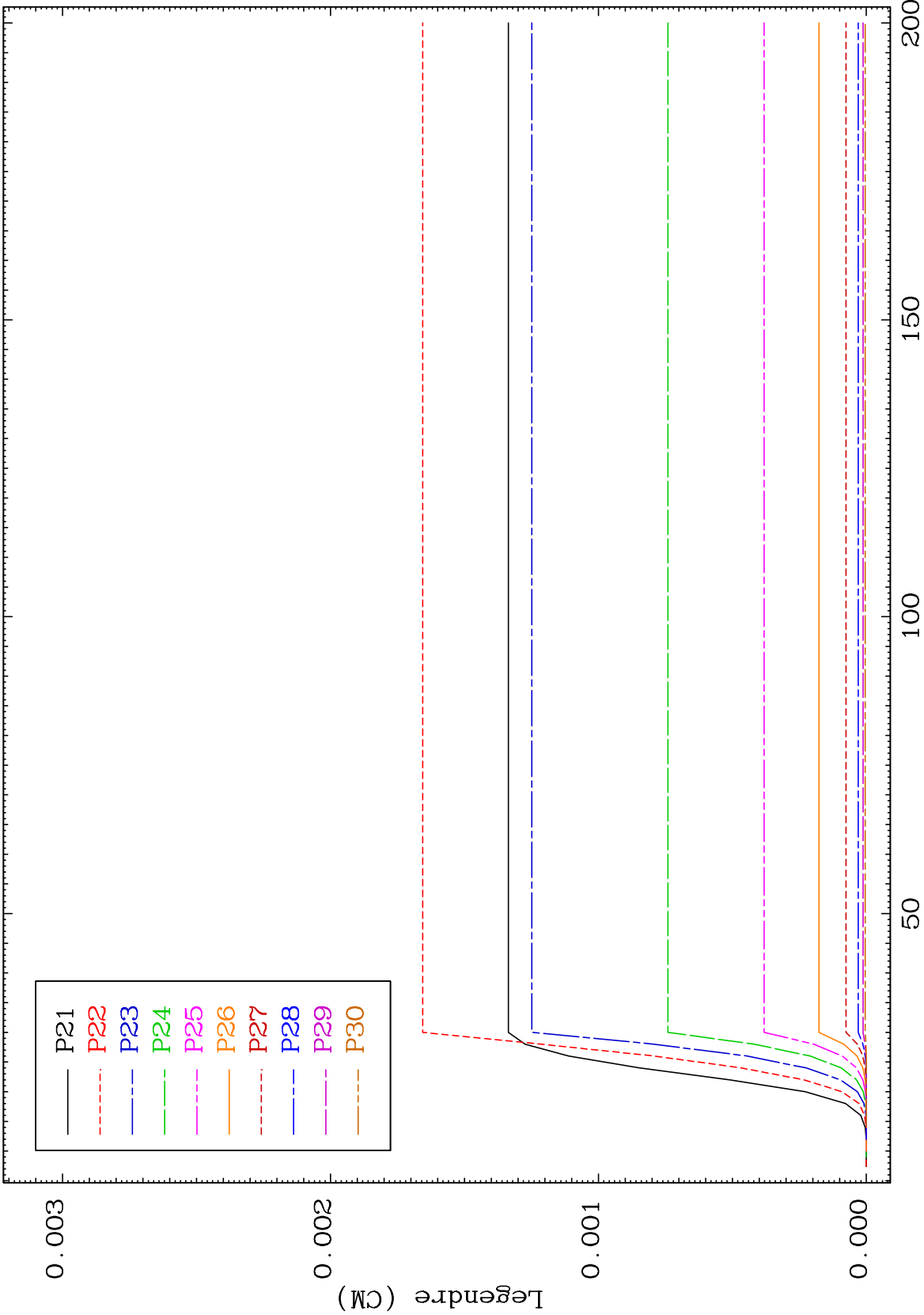
Incident Energy (MeV)

85-At-198

MAT 8510

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

85-At-198



64

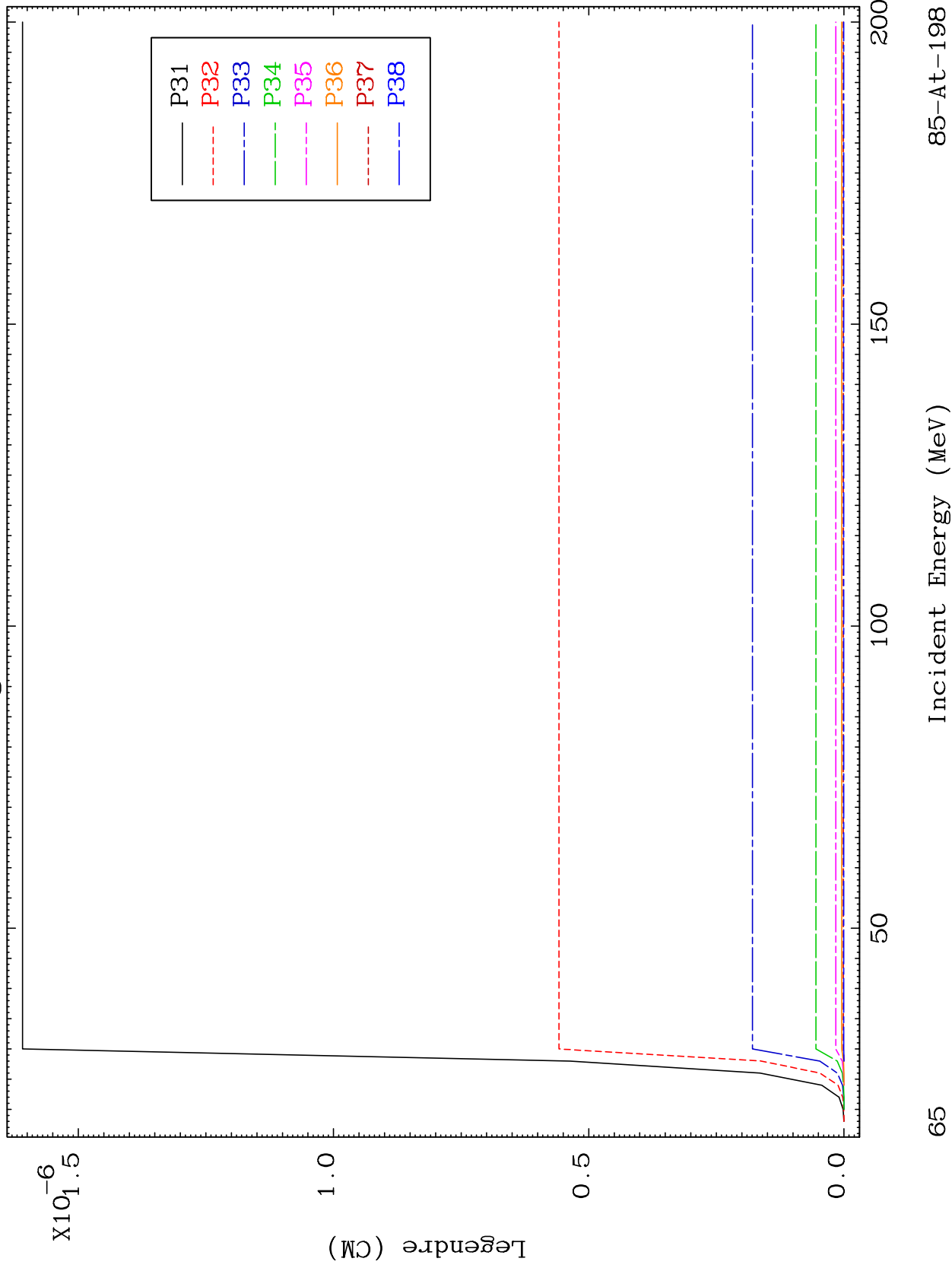
Incident Energy (MeV)

85-At-198

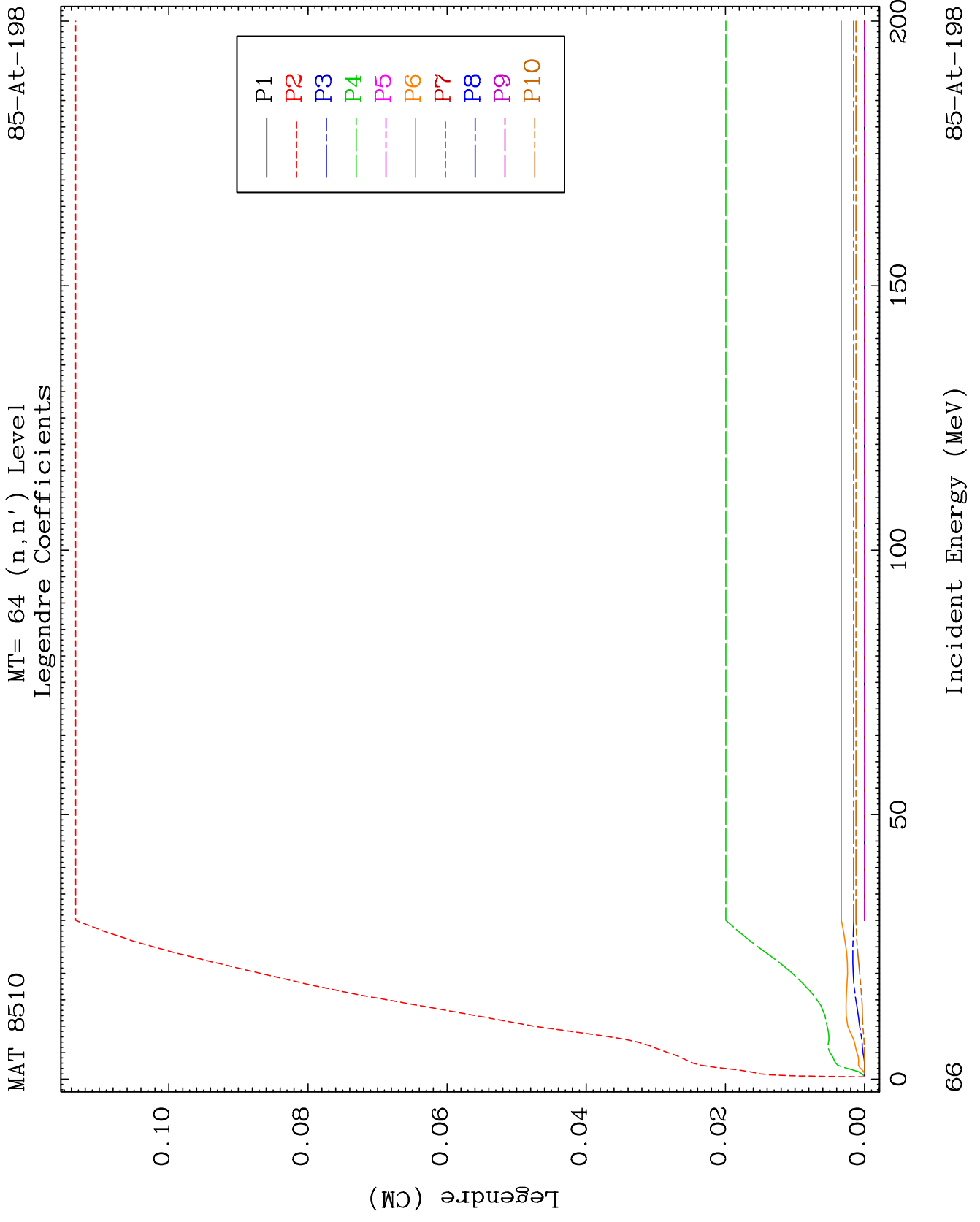
MAT 8510

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

85-At-198



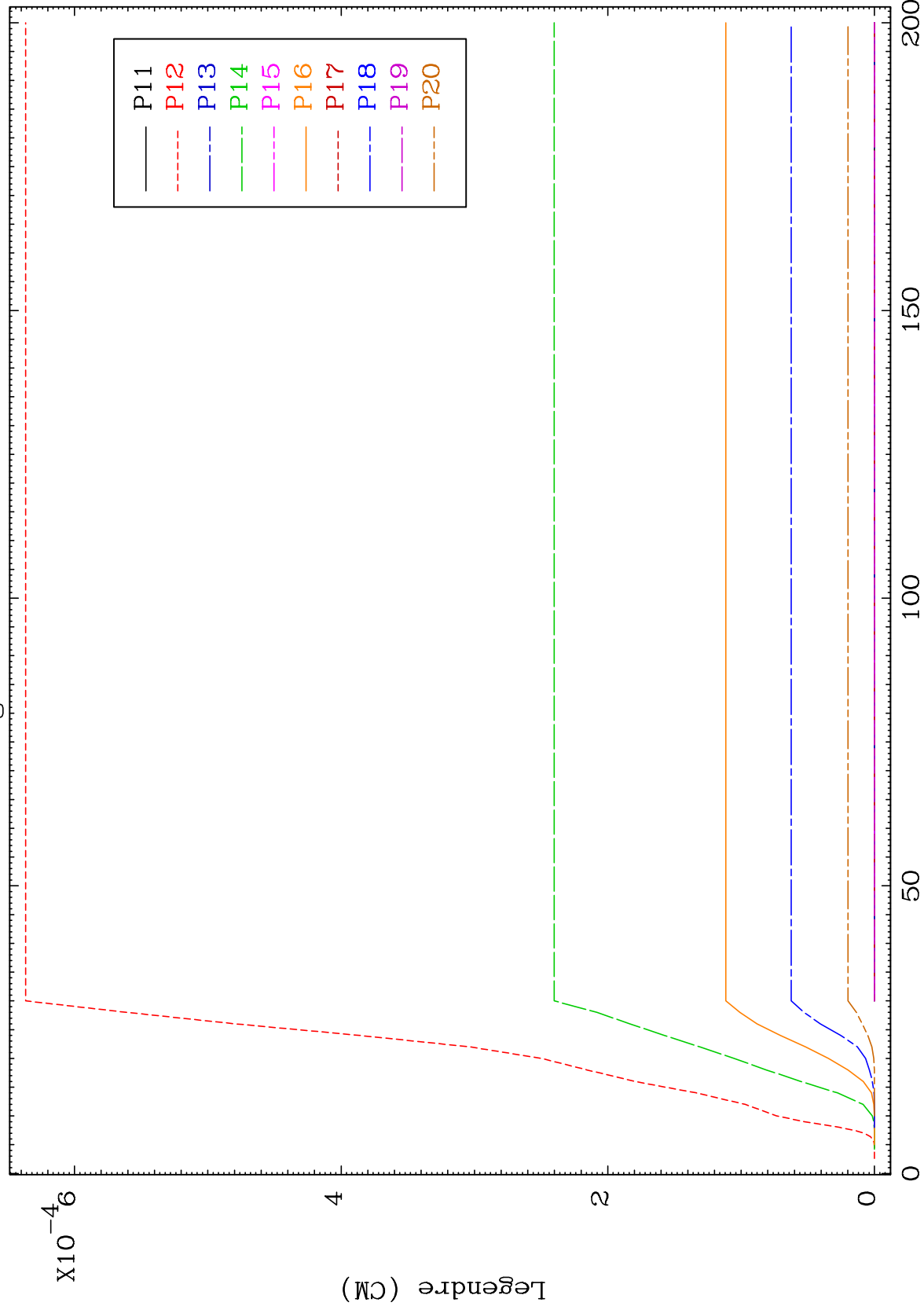
65



MAT 8510

MT= 64 (n,n') Level
Legendre Coefficients

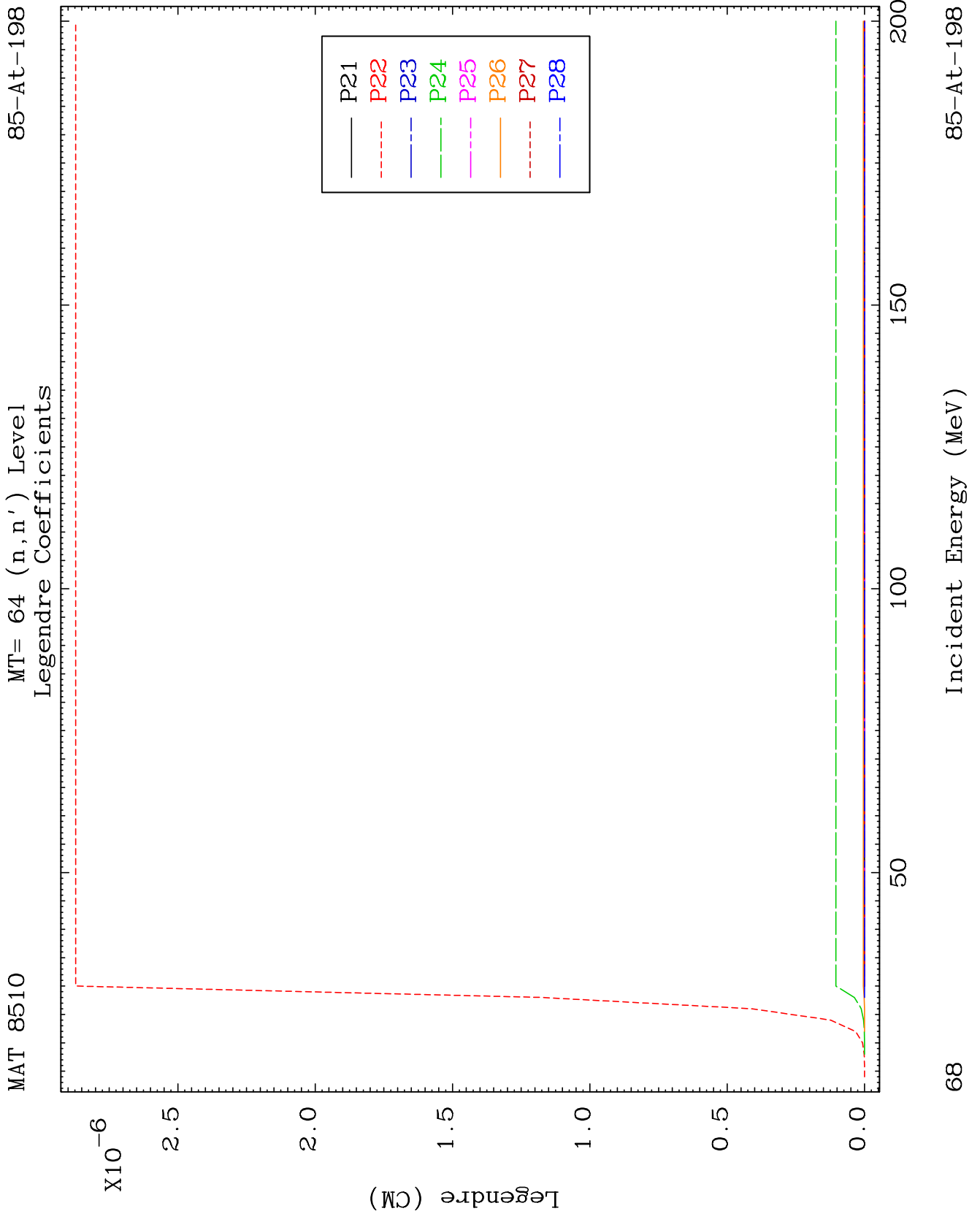
85-At-198



67

Incident Energy (MeV)

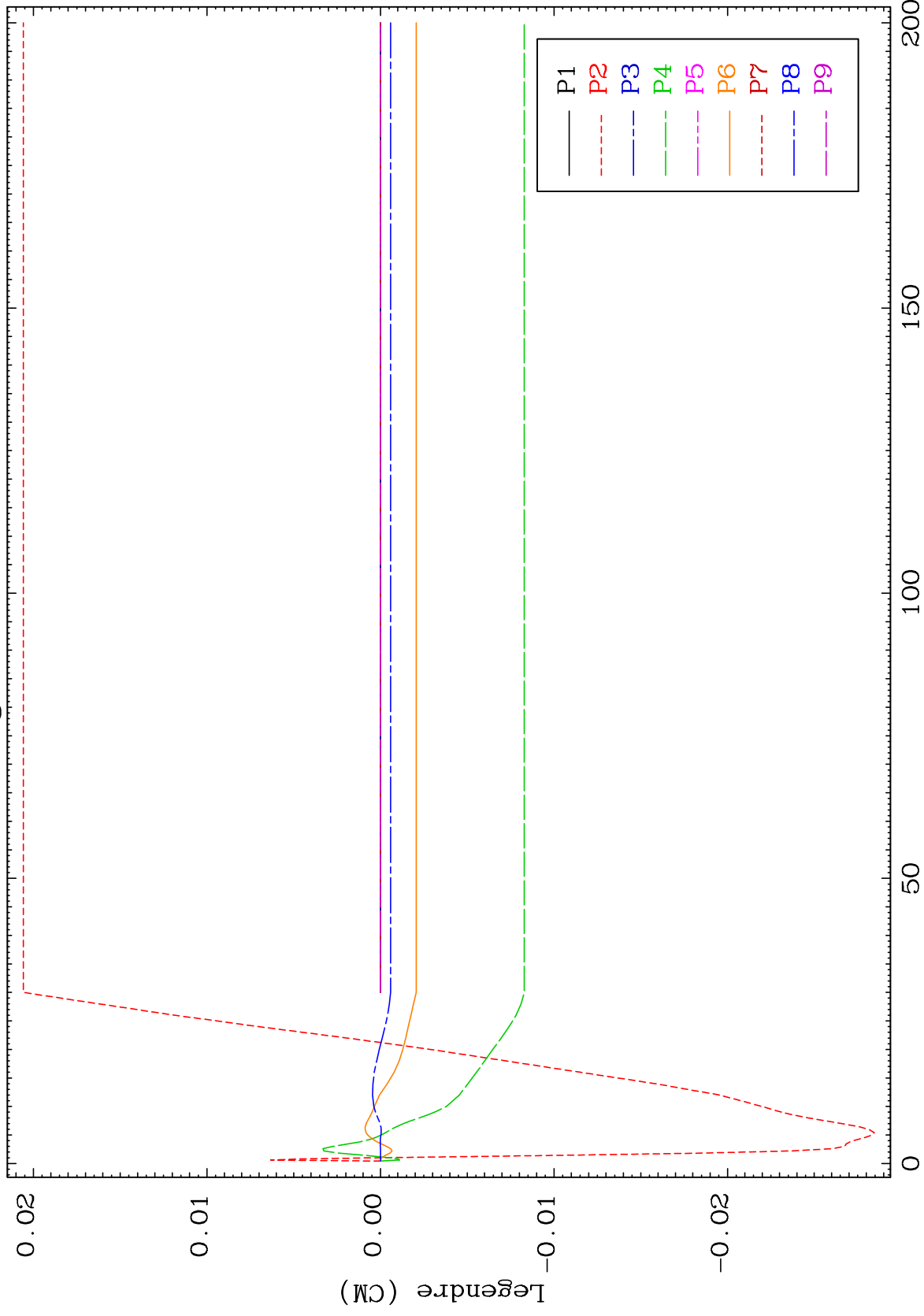
85-At-198



MAT 8510

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

85-At-198



85-At-198

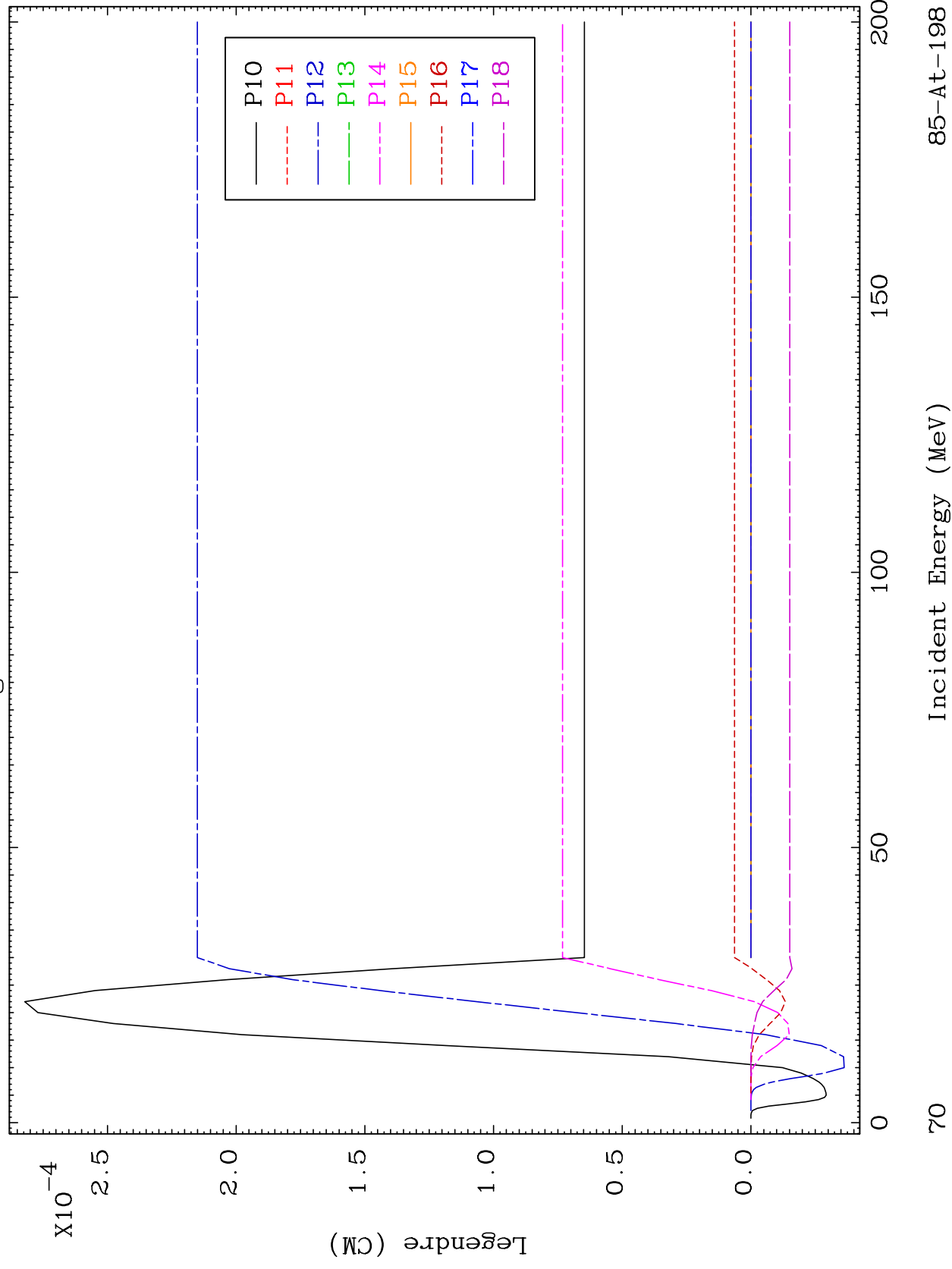
Incident Energy (MeV)

69

MAT 8510

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

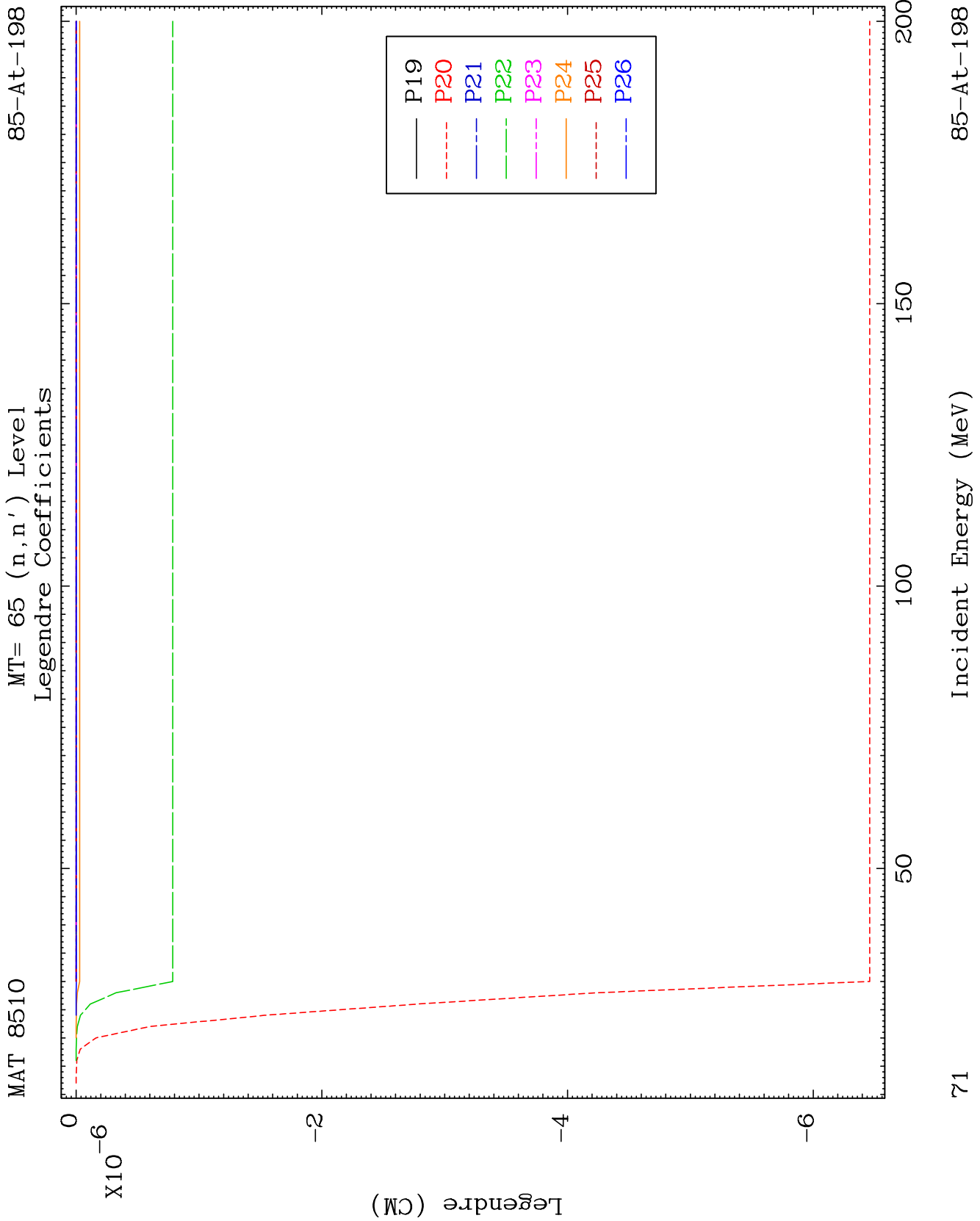
85-At-198



85-At-198

Incident Energy (MeV)

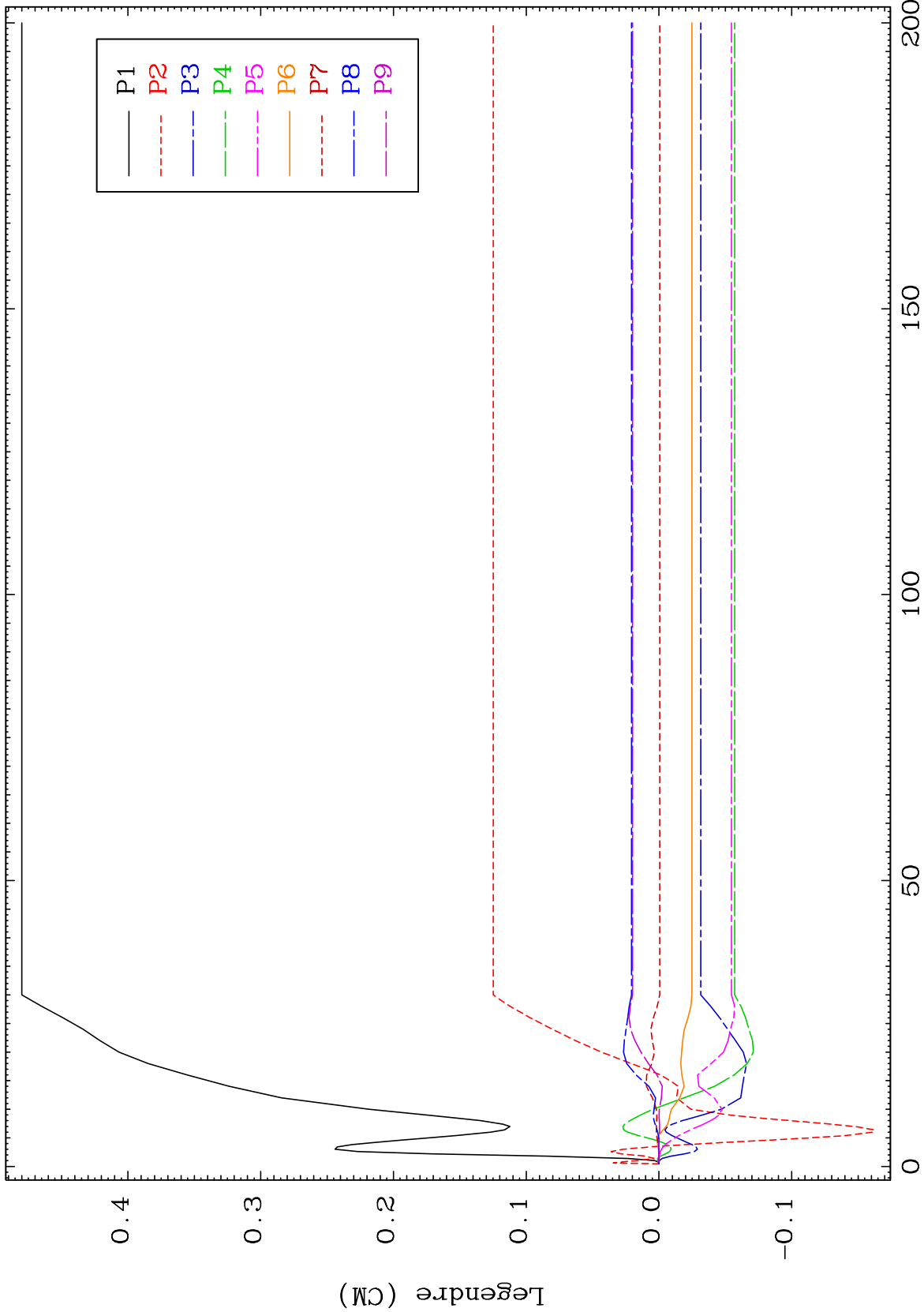
70



MAT 8510

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

85-At-198



72

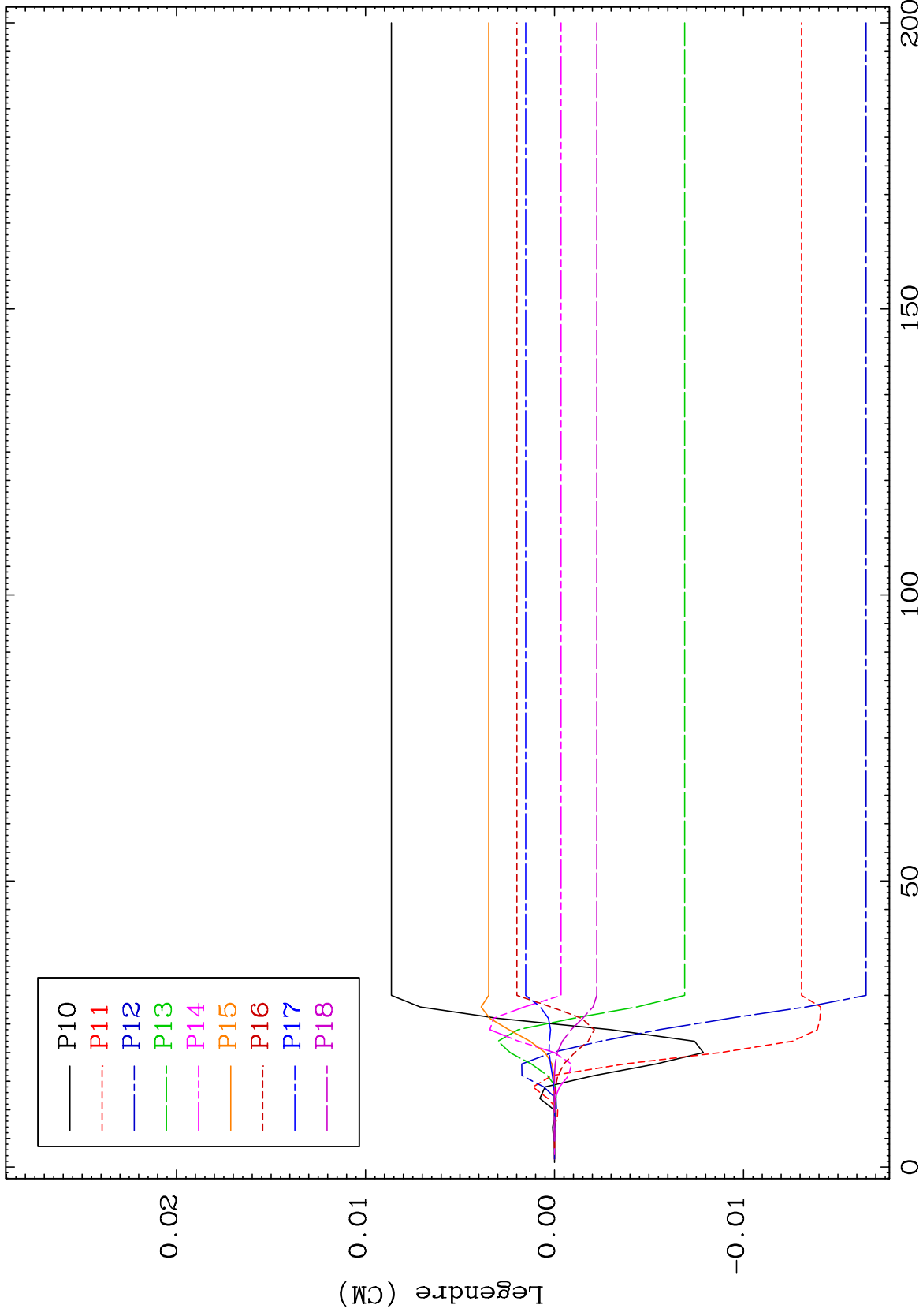
Incident Energy (MeV)

85-At-198

MAT 8510

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

85-At-198



73

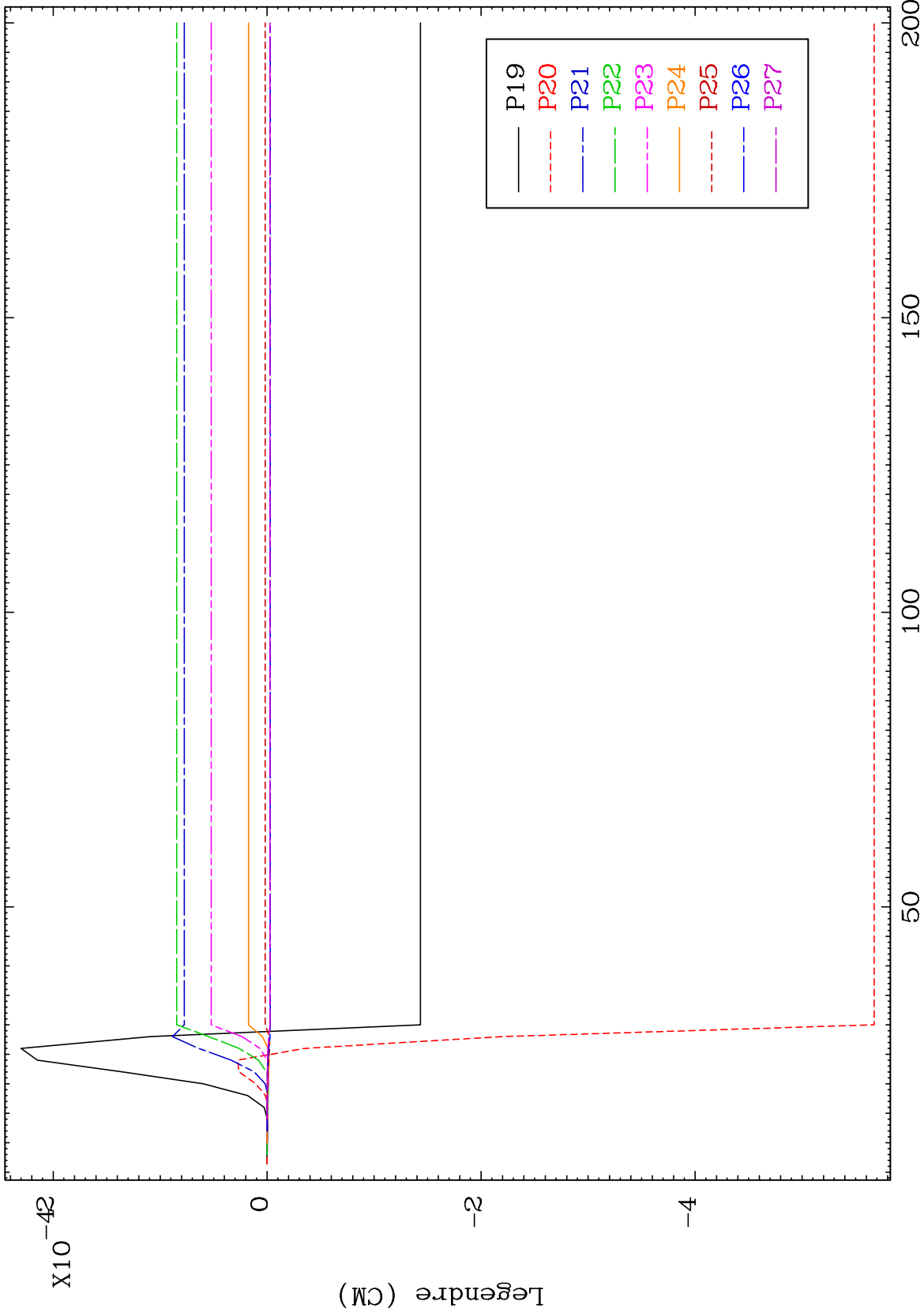
Incident Energy (MeV)

85-At-198

MAT 8510

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

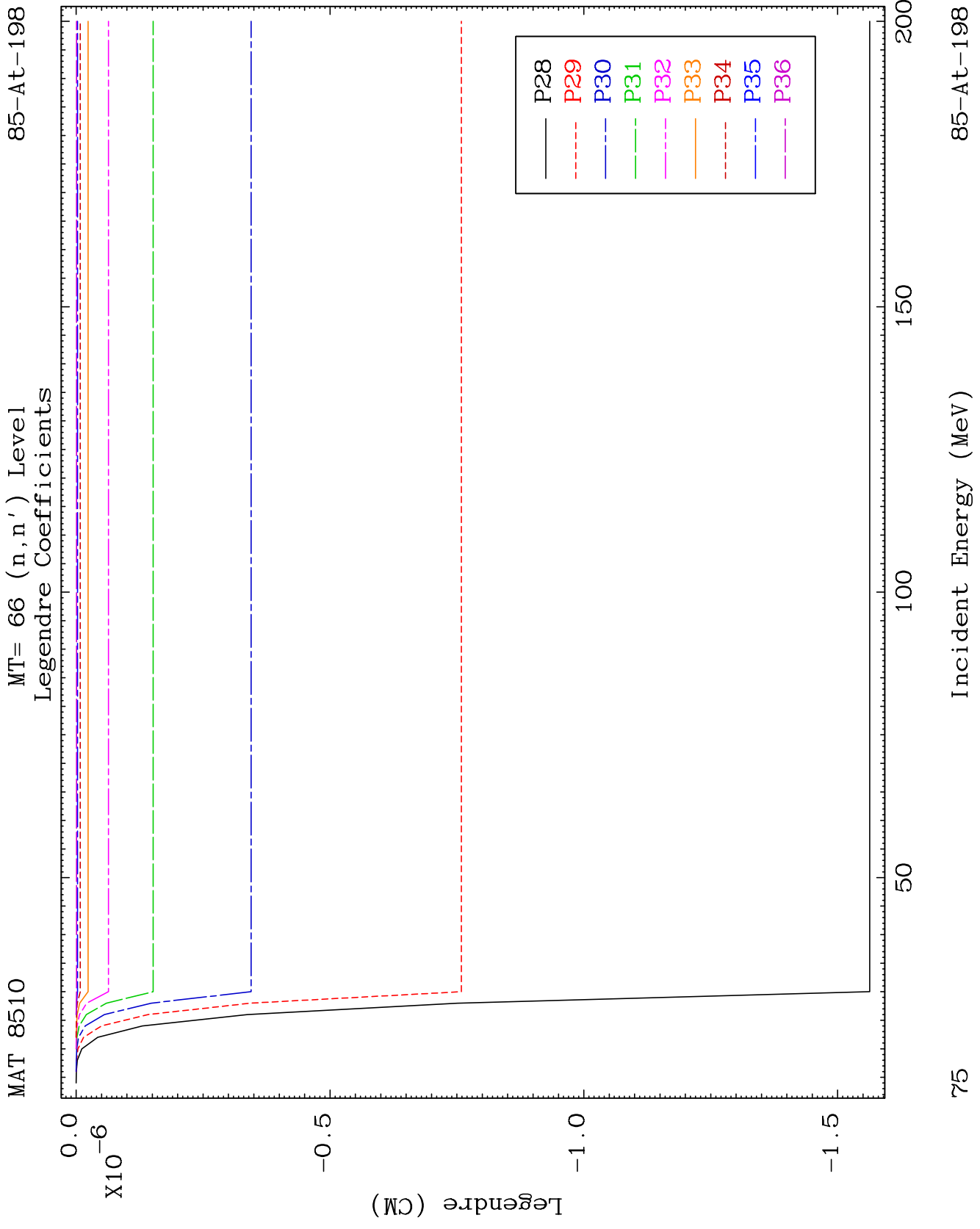
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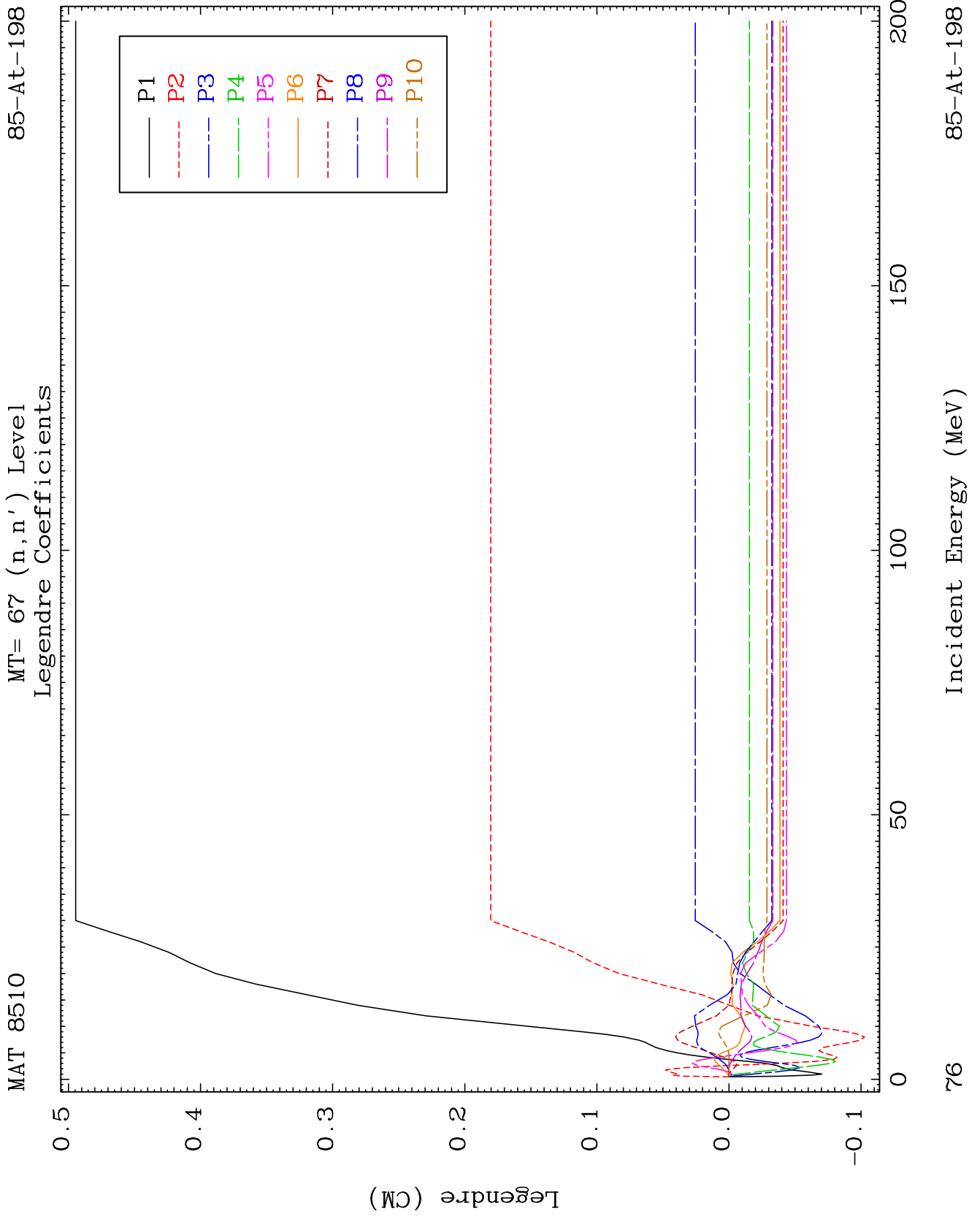


74

Incident Energy (MeV)

85-At-198

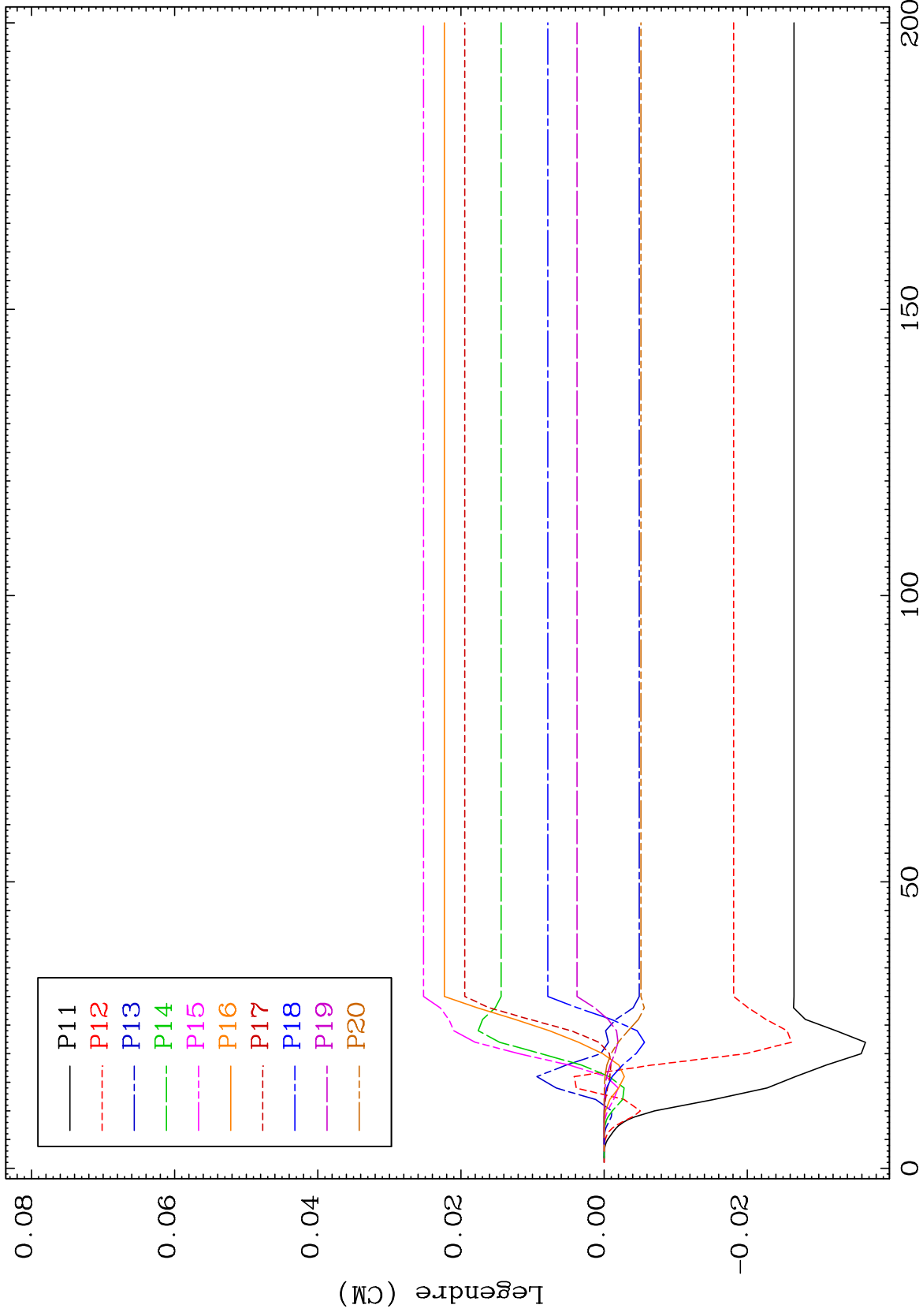




MAT 8510

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

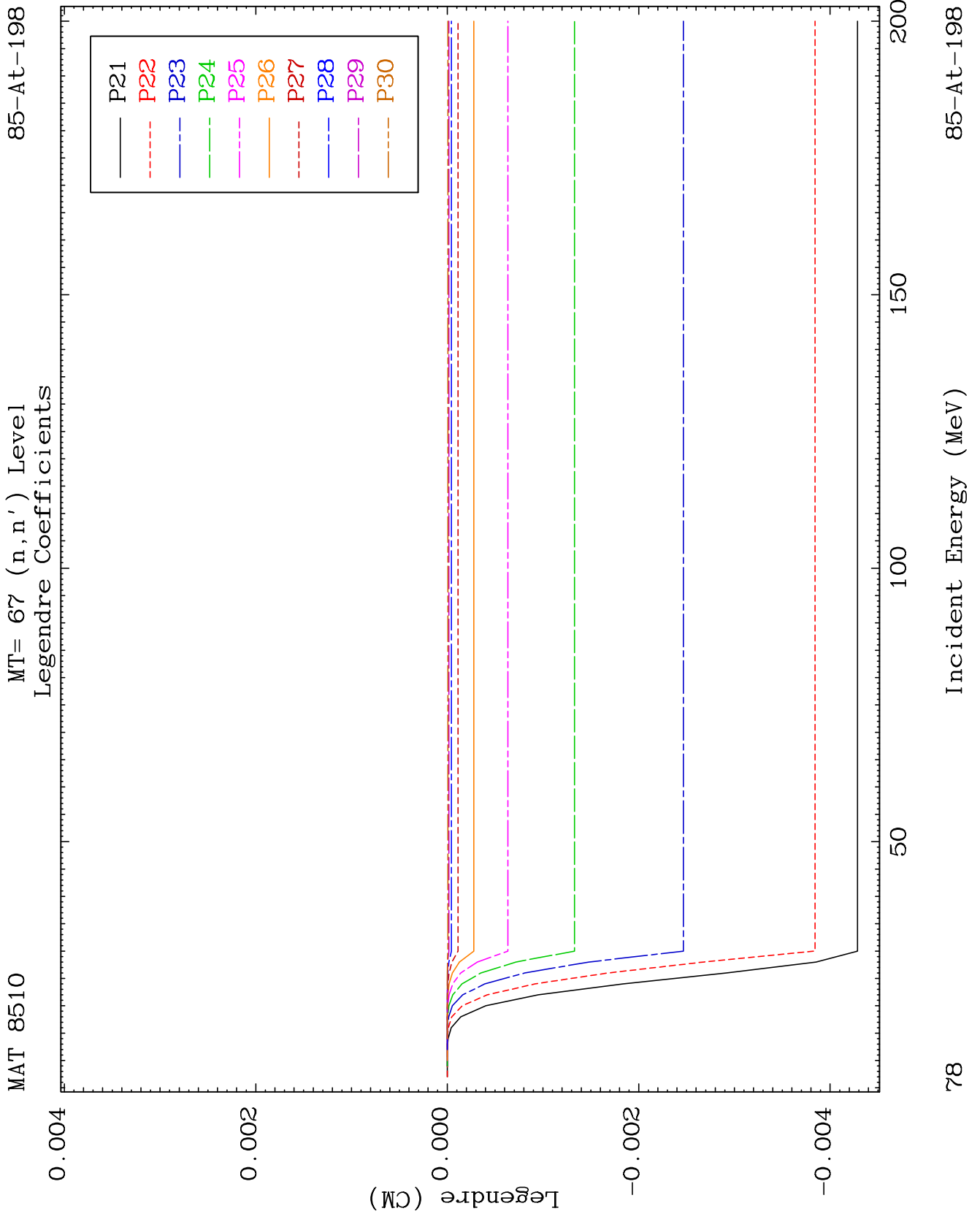
85-At-198

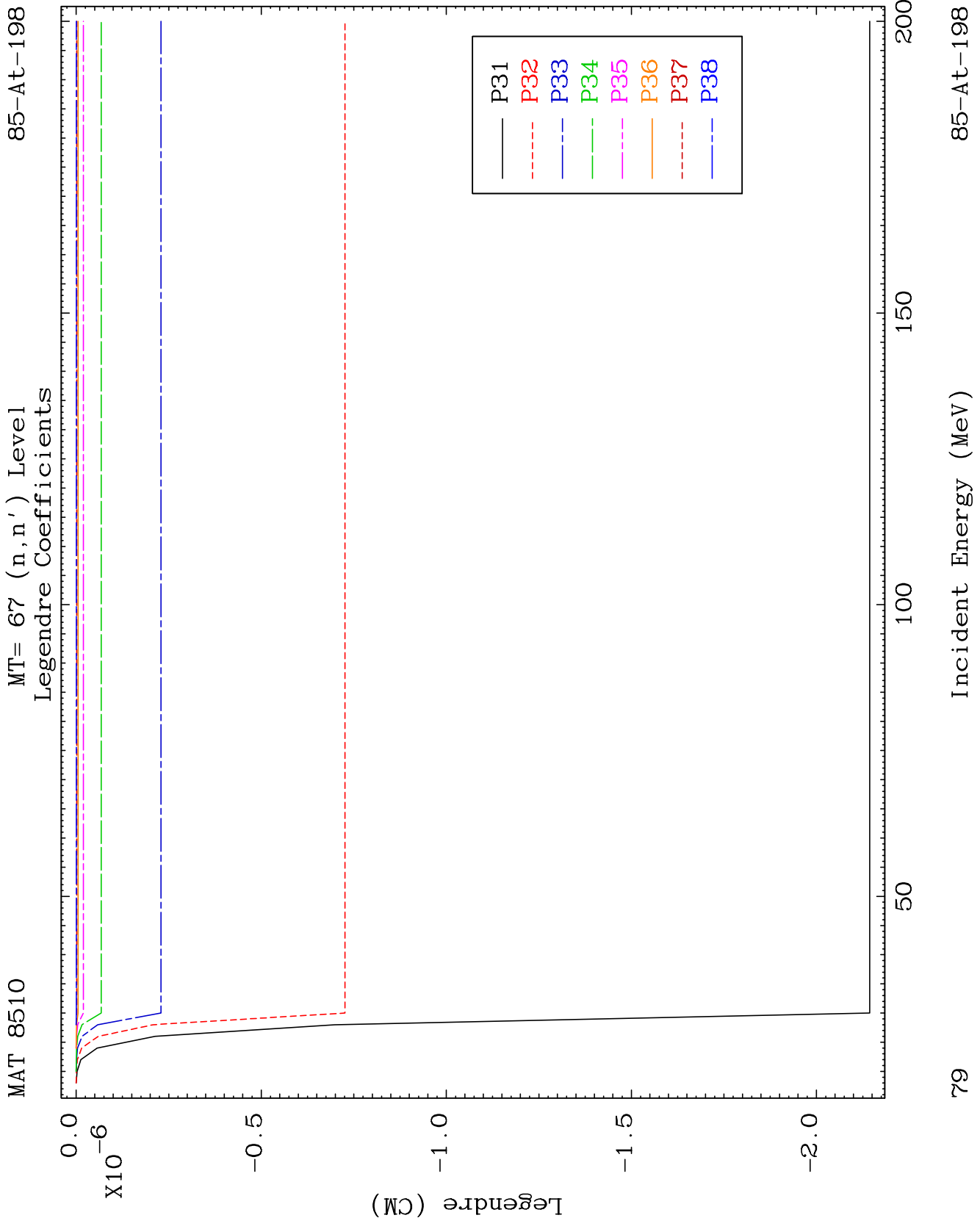


77

Incident Energy (MeV)

85-At-198

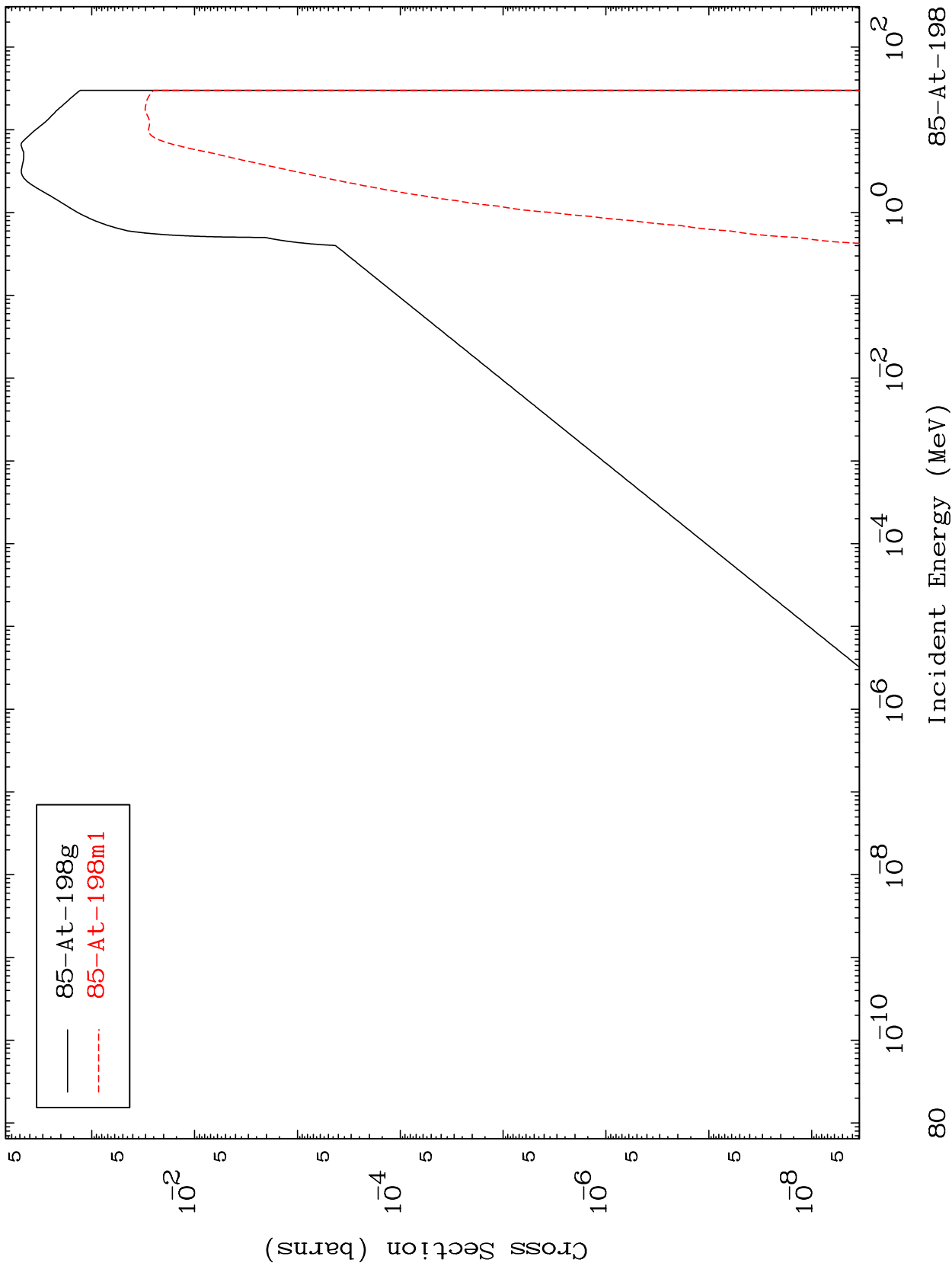




MAT 8510

Inelastic
Radionuclide Production Cross Section

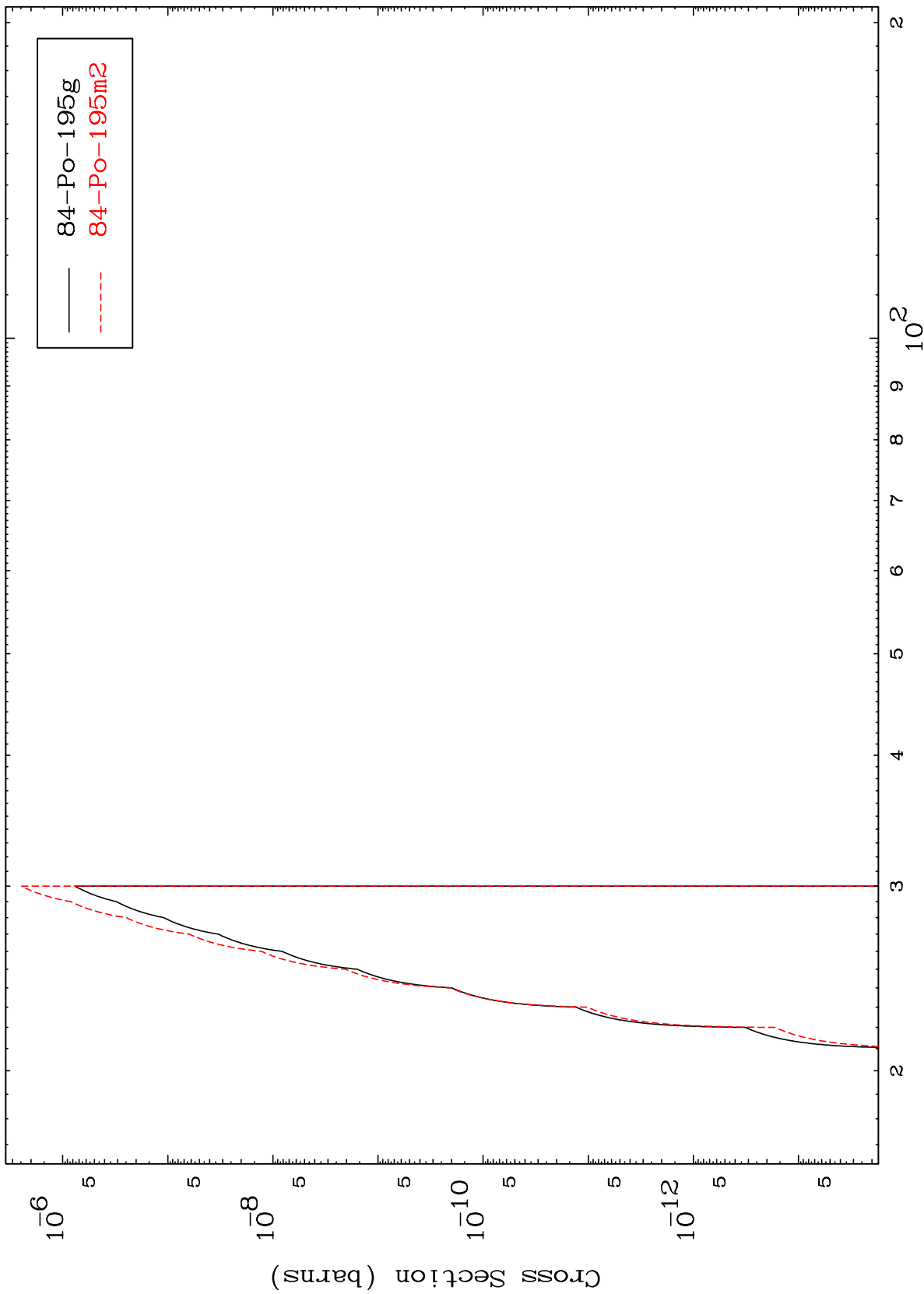
85-At-198



80

85-At-198

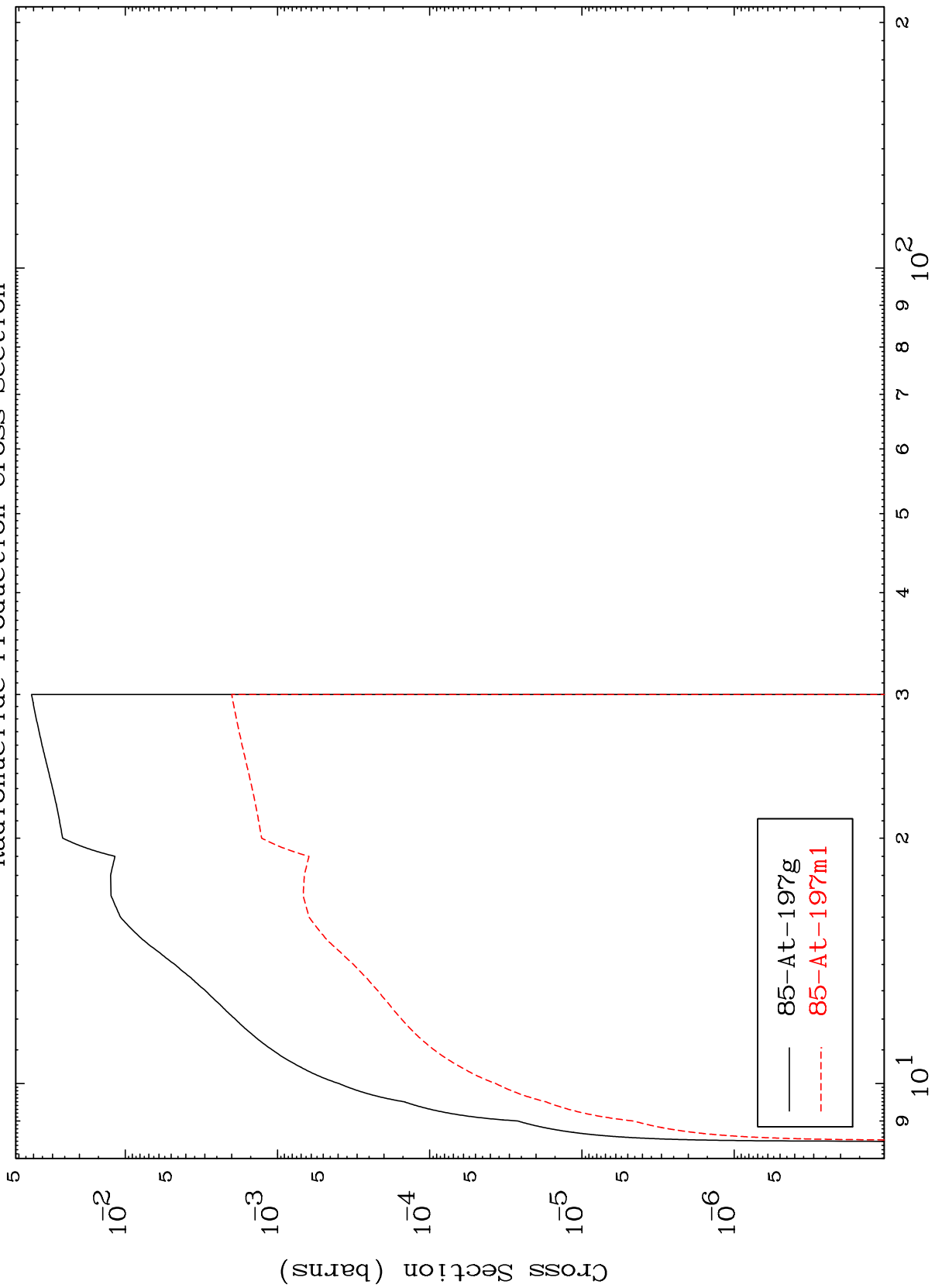
Radionuclide Production Cross Section



MAT 8510

85-At-198

(n,2n)
Radionuclide Production Cross Section



82

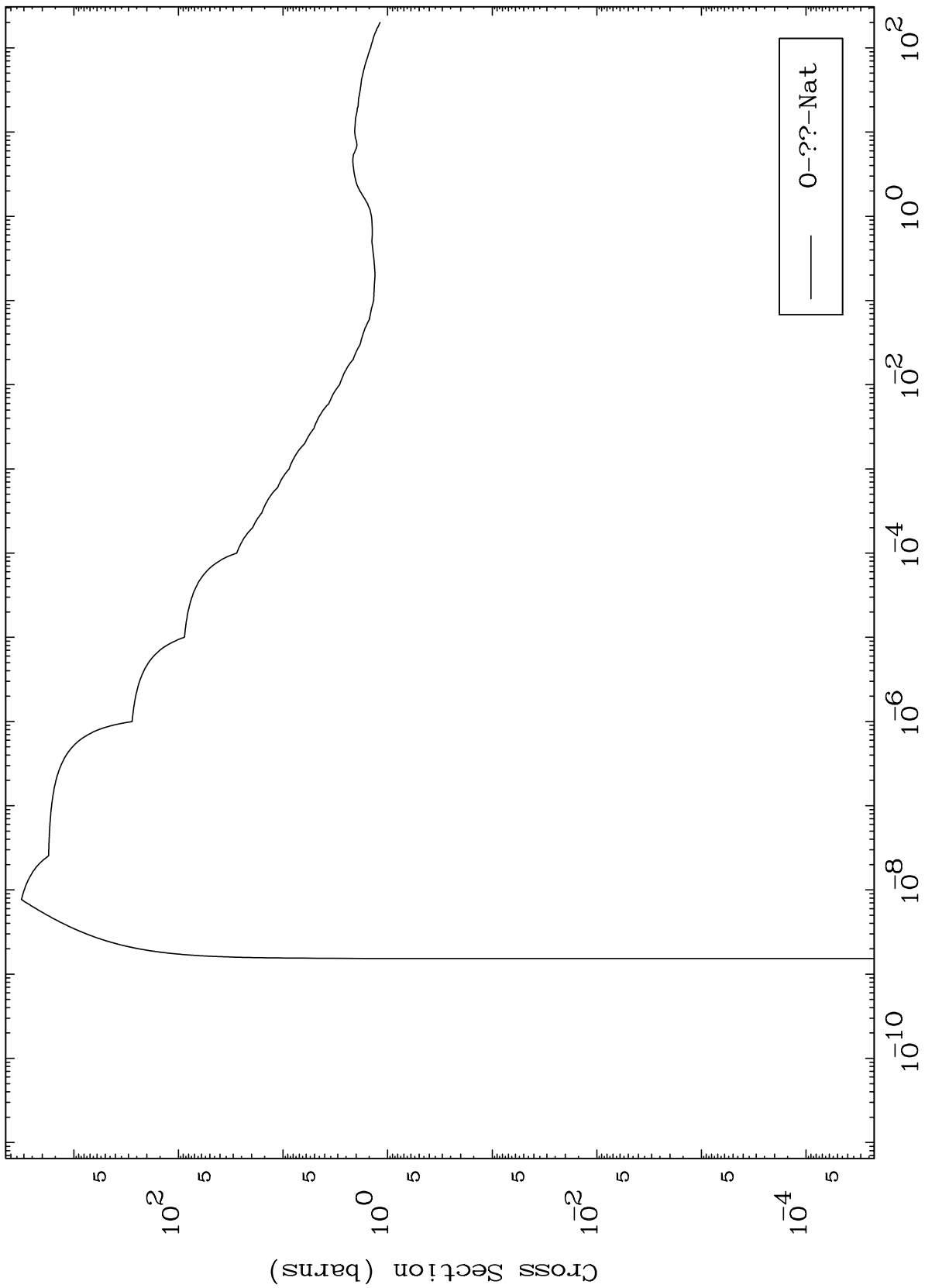
Incident Energy (MeV)

85-At-198

MAT 8510

85-At-198

Fission
Radionuclide Production Cross Section



83

85-At-198

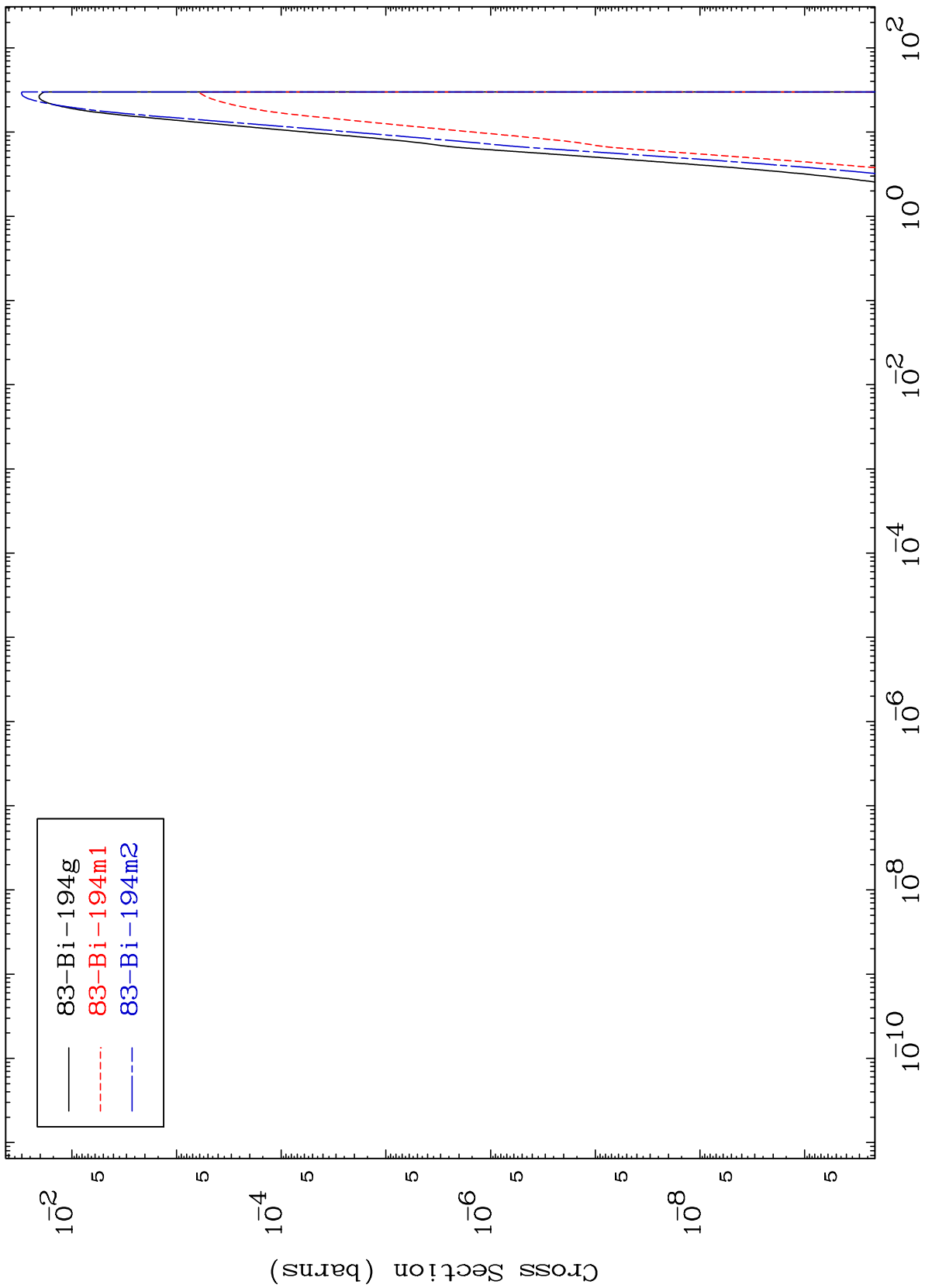
Incident Energy (MeV)

MAT 8510

(n, n') α

85-At-198

Radionuclide Production Cross Section



84

Incident Energy (MeV)

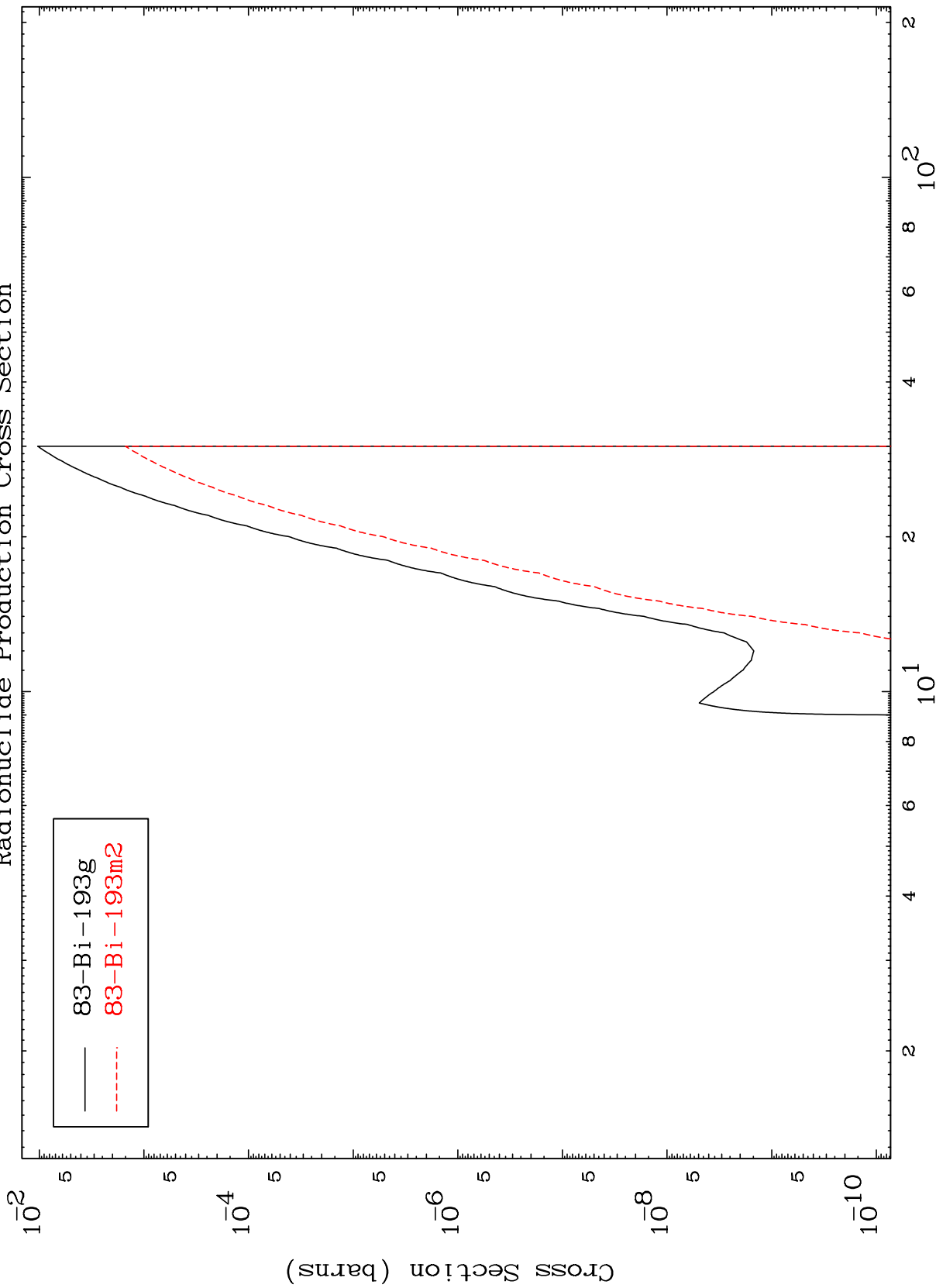
85-At-198

MAT 8510

(n,2n) α

85-At-198

Radionuclide Production Cross Section

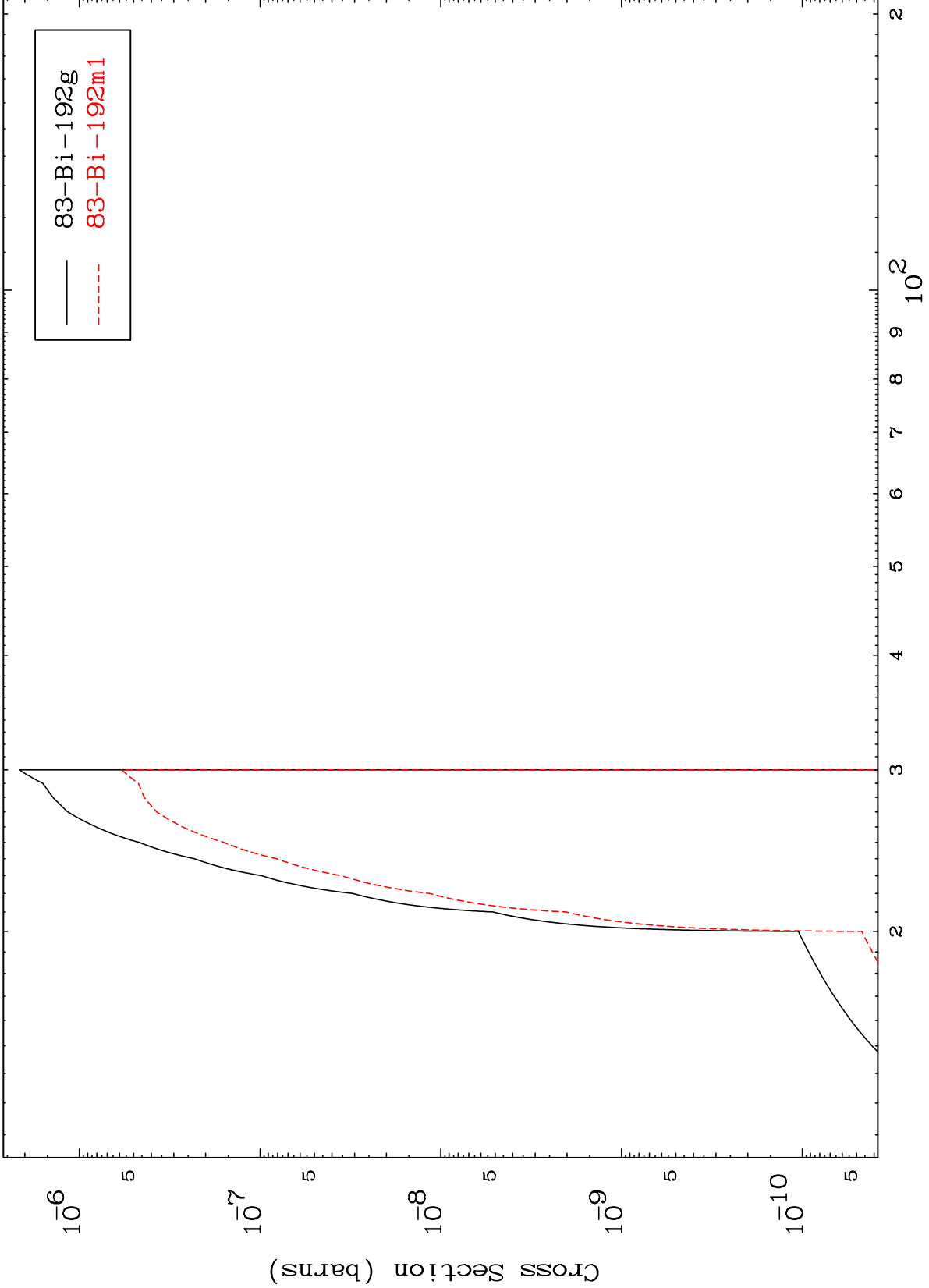


85

Incident Energy (MeV)

85-At-198

Radionuclide Production Cross Section

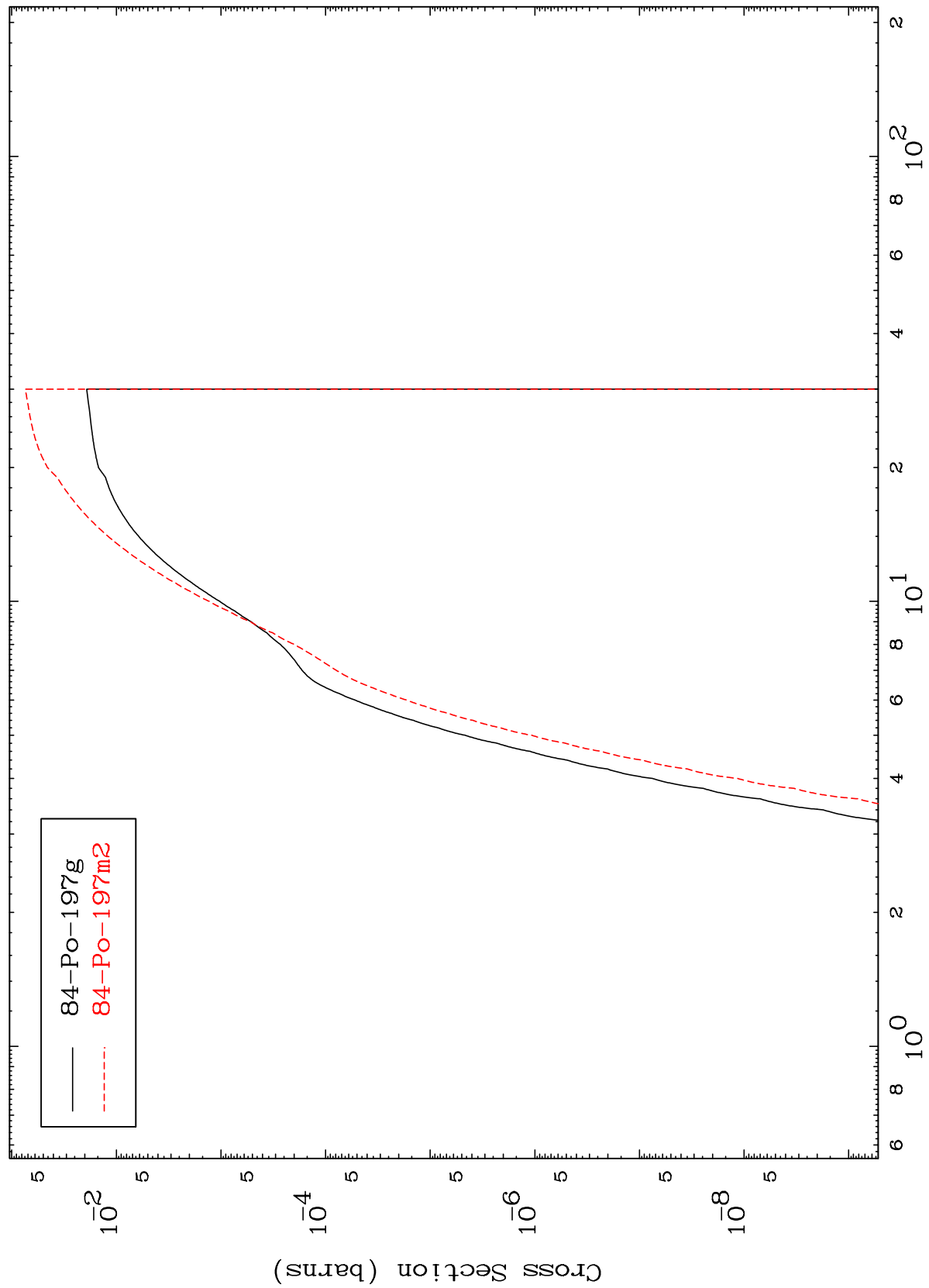


MAT 8510

(n,n') p

85-At-198

Radionuclide Production Cross Section



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

87

Incident Energy (MeV)

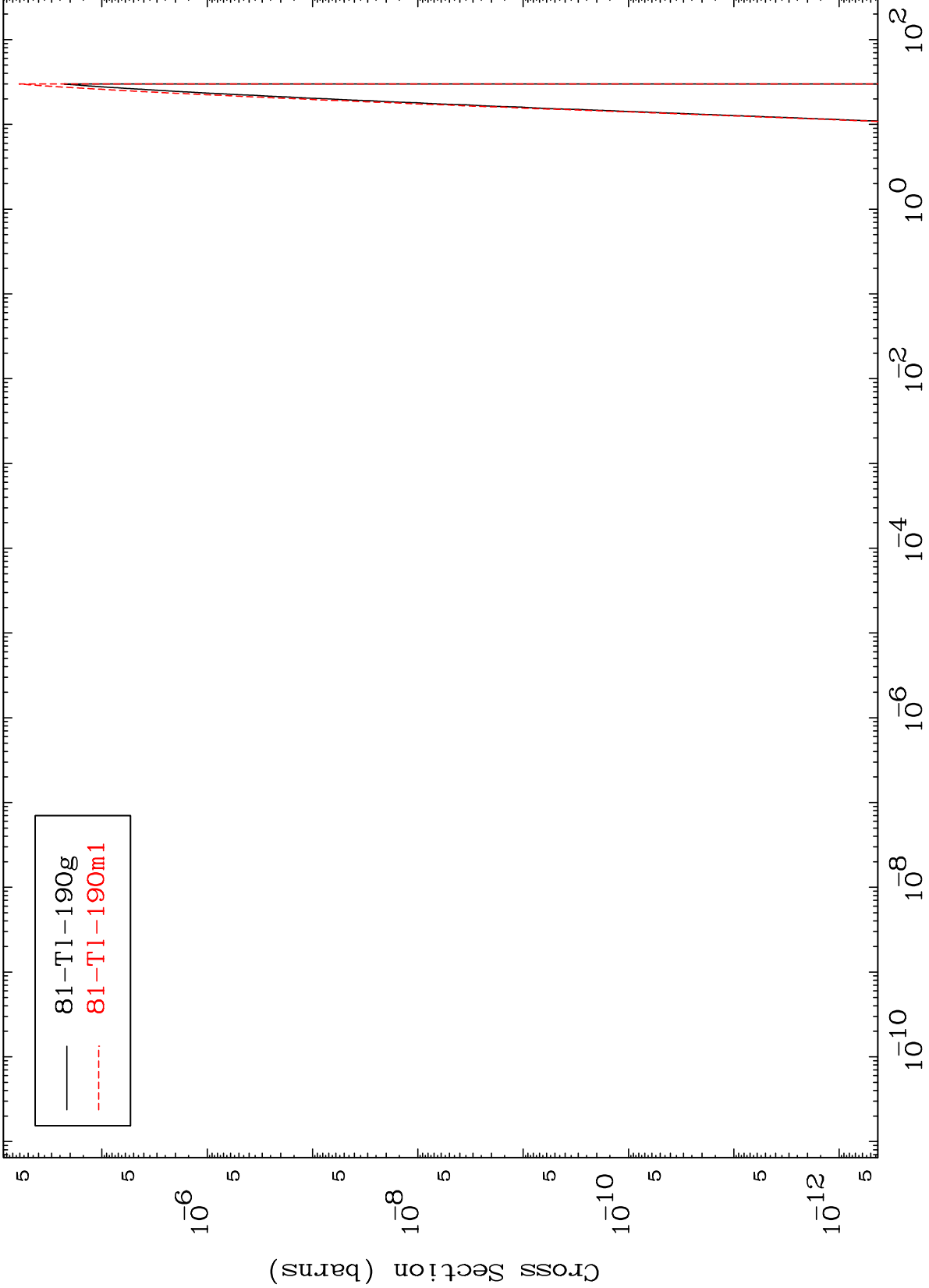
85-At-198

MAT 8510

(n,n') 2α

85-At-198

Radionuclide Production Cross Section



88

Incident Energy (MeV)

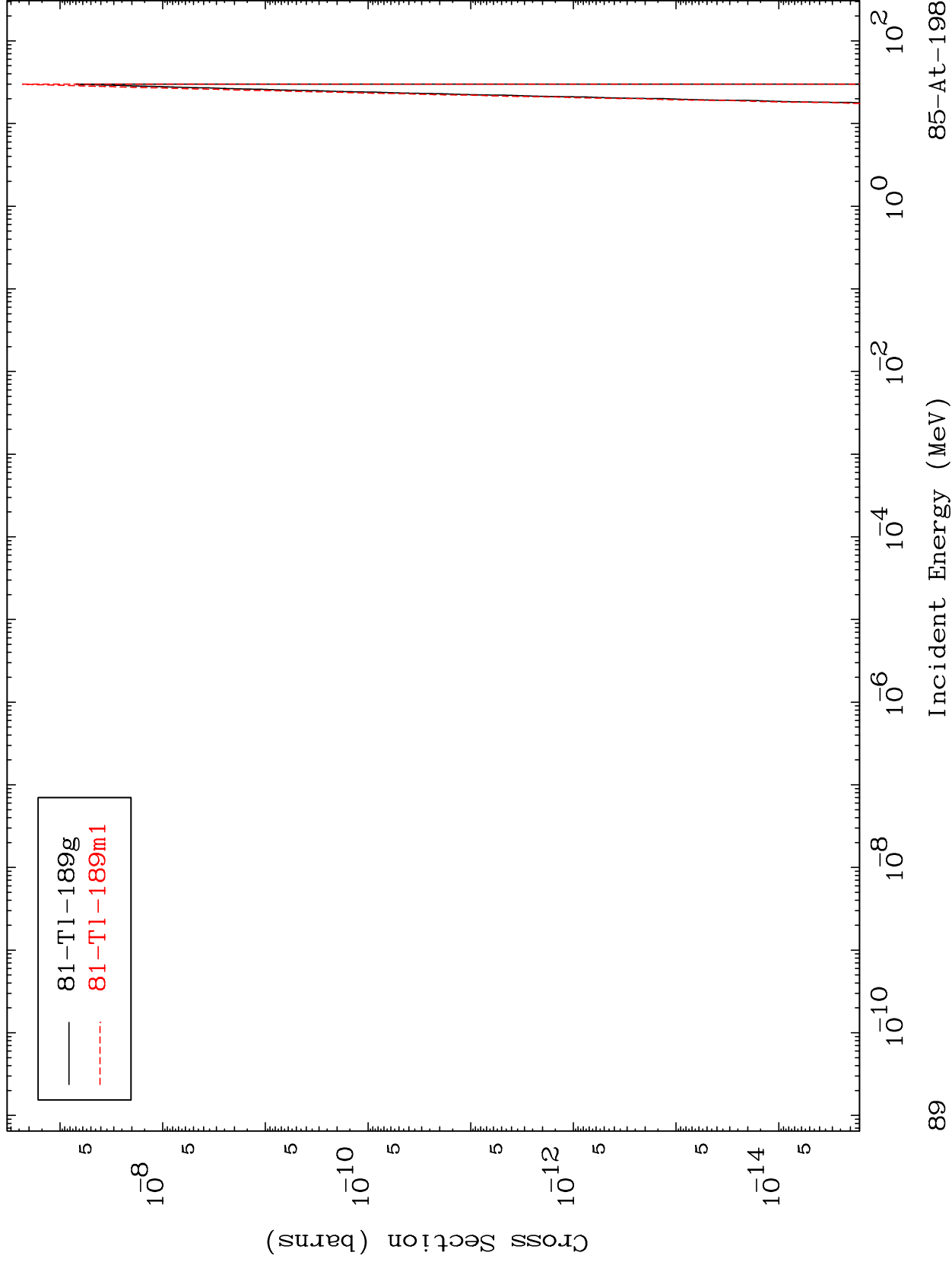
85-At-198

MAT 8510

(n,2n) 2 α

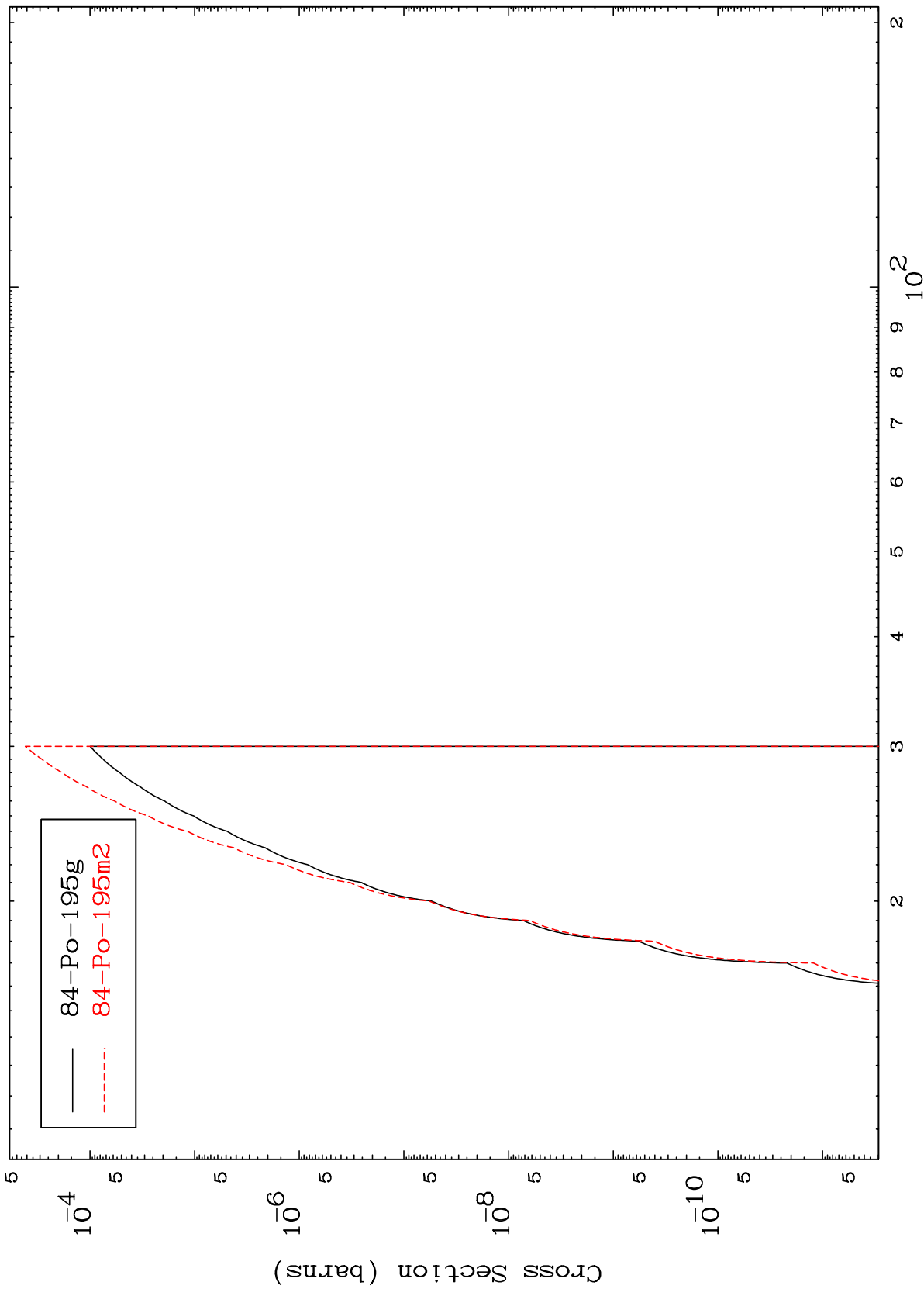
85-At-198

Radionuclide Production Cross Section



89

Radionuclide Production Cross Section

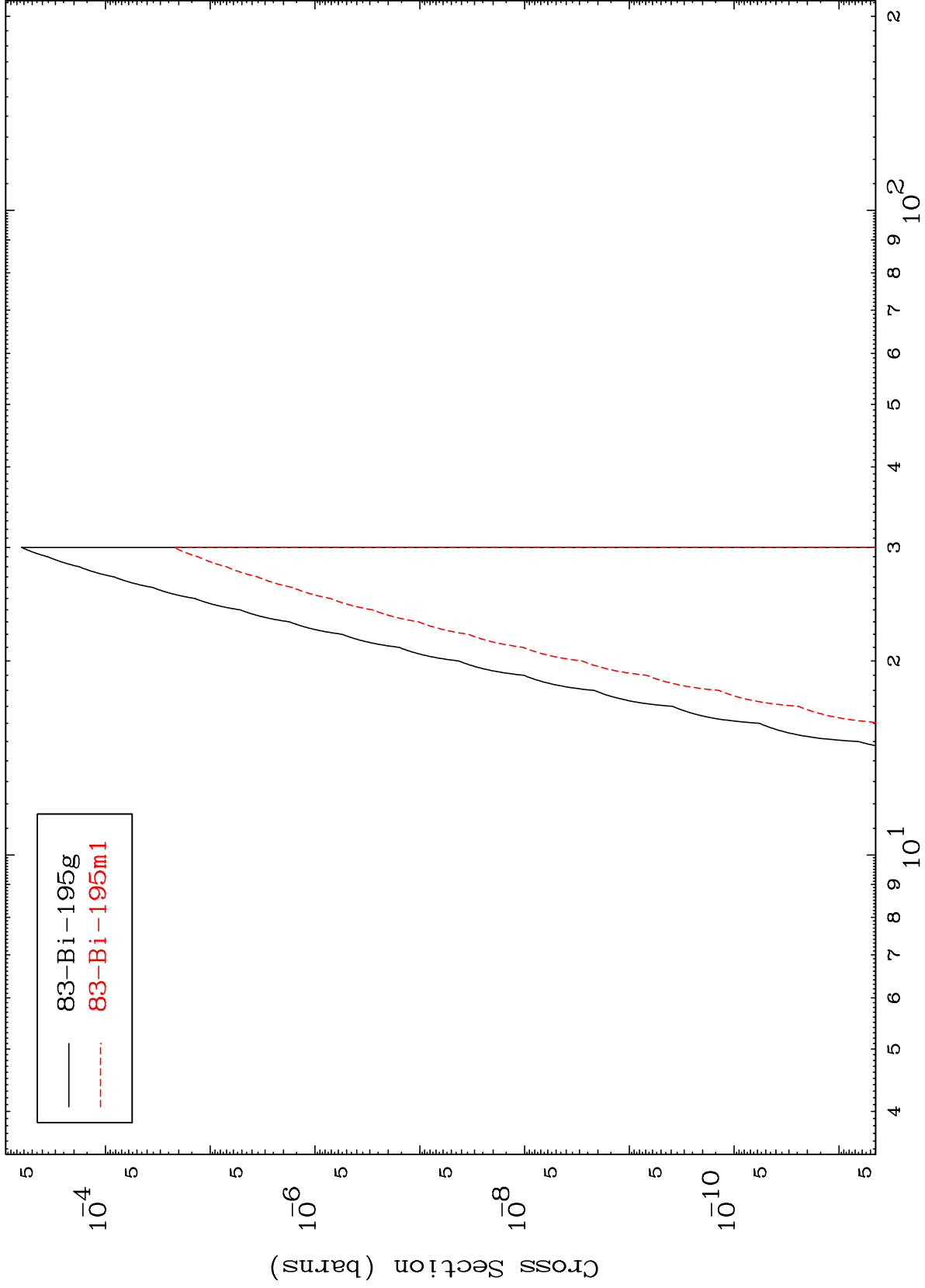


MAT 8510

(n,n') He-3

85-At-198

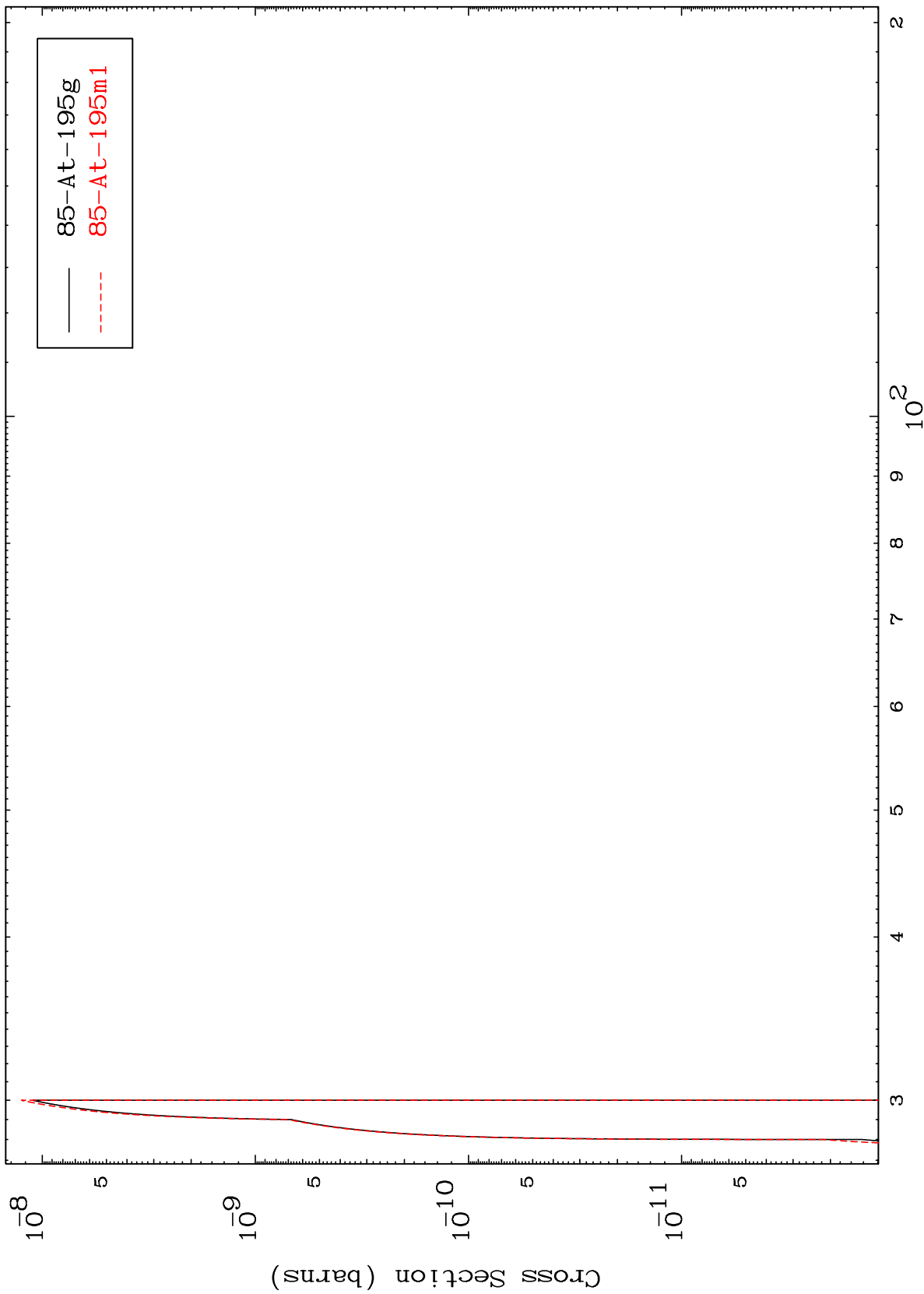
Radionuclide Production Cross Section



MAT 8510

85-At-198

(n,4n)
Radionuclide Production Cross Section



92

85-At-198

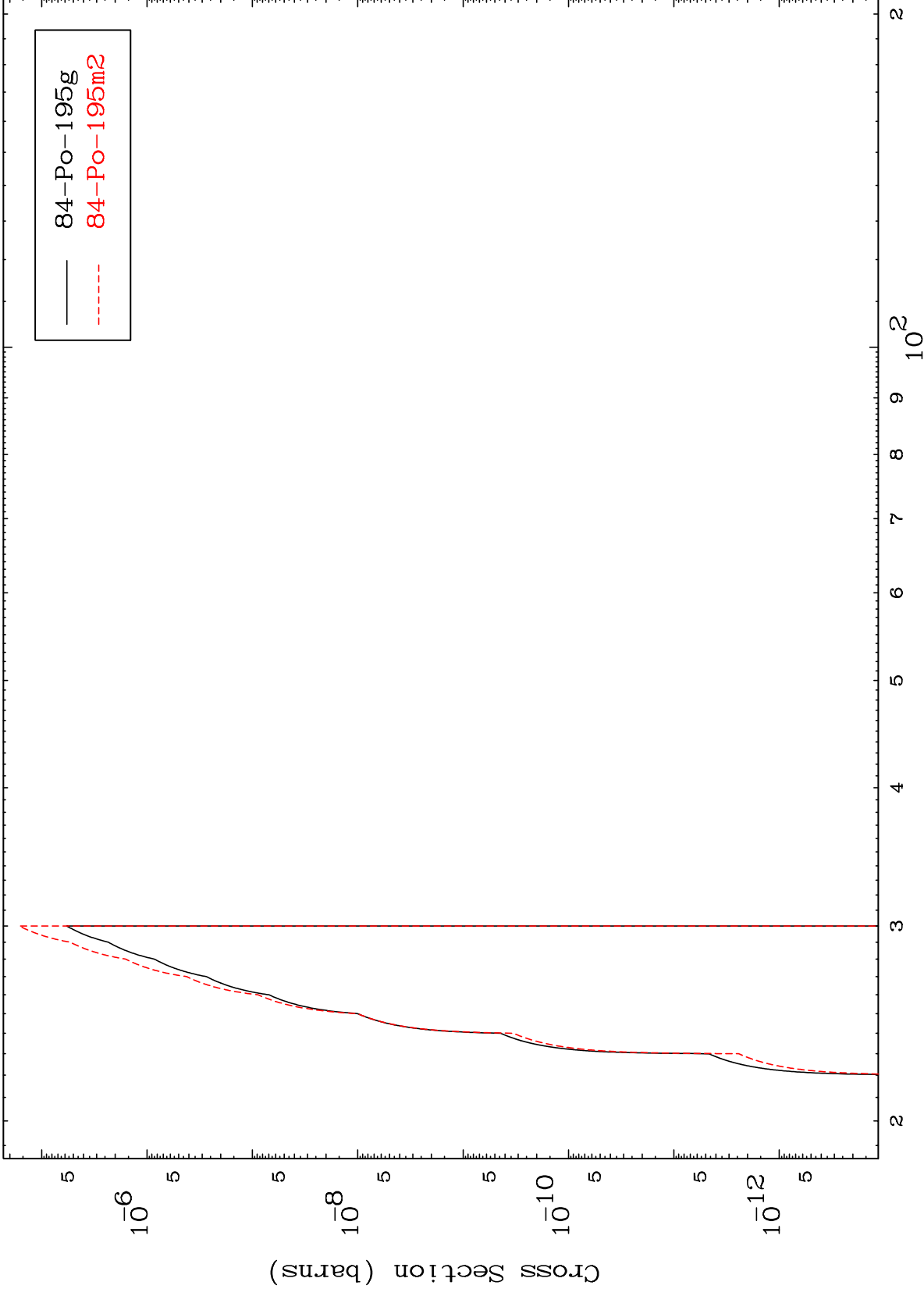
Incident Energy (MeV)

MAT 8510

(n,3n) p

85-At-198

Radionuclide Production Cross Section



93

Incident Energy (MeV)

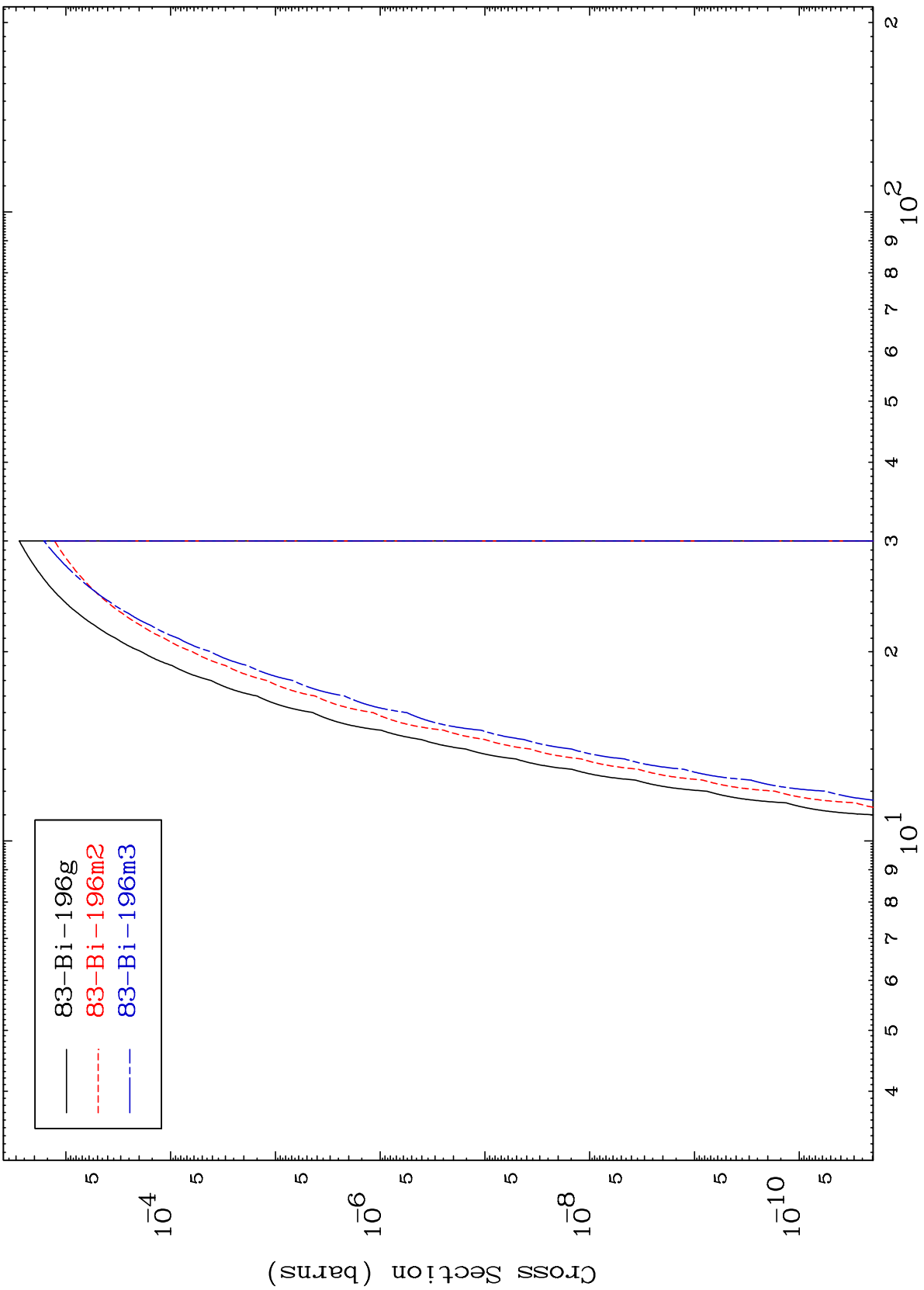
85-At-198

MAT 8510

(n,2n) p

85-At-198

Radionuclide Production Cross Section



94

Incident Energy (MeV)

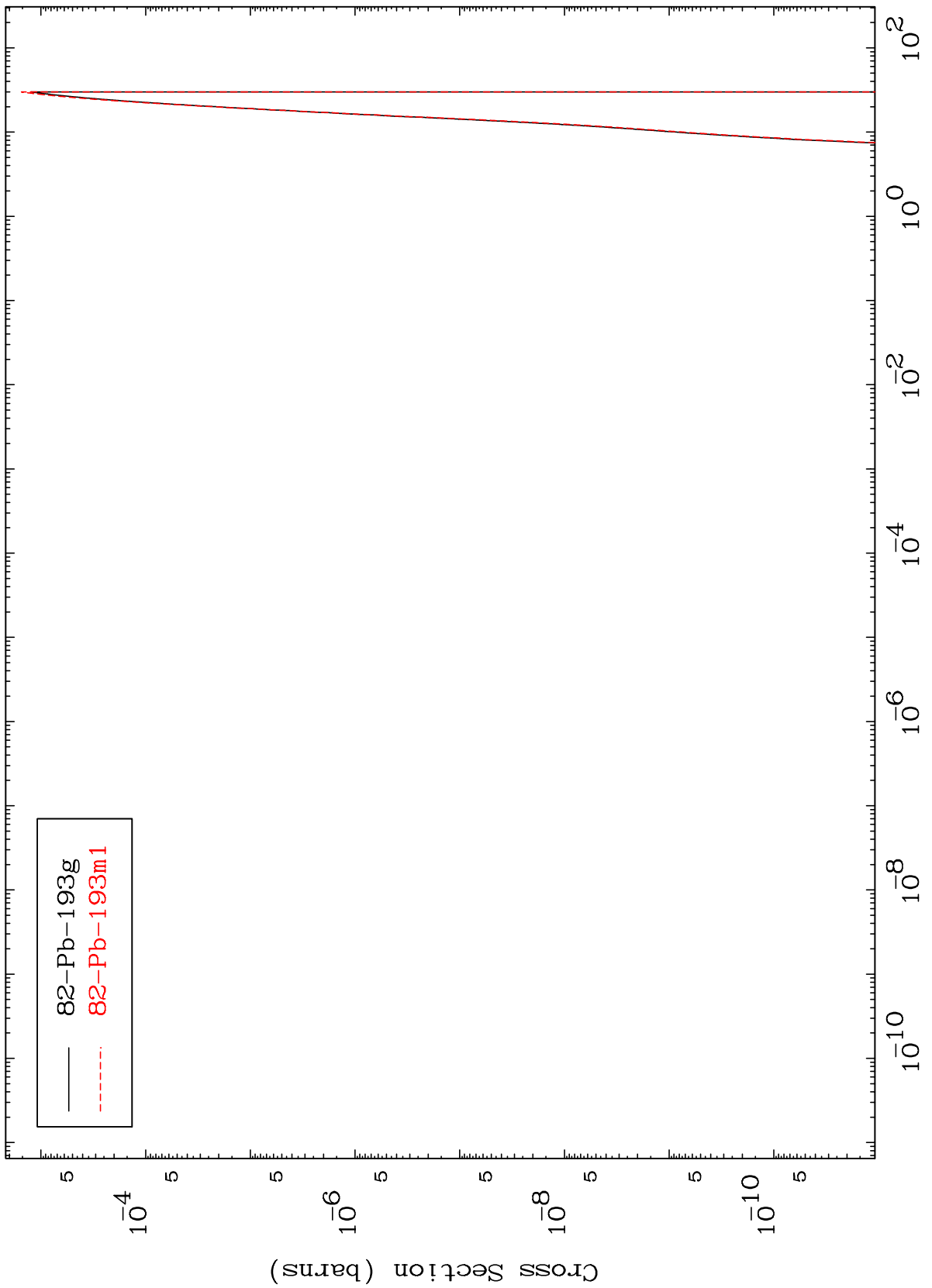
85-At-198

MAT 8510

(n,n') p α

85-At-198

Radionuclide Production Cross Section



82-Pb-193g
82-Pb-193m1

95

Incident Energy (MeV)

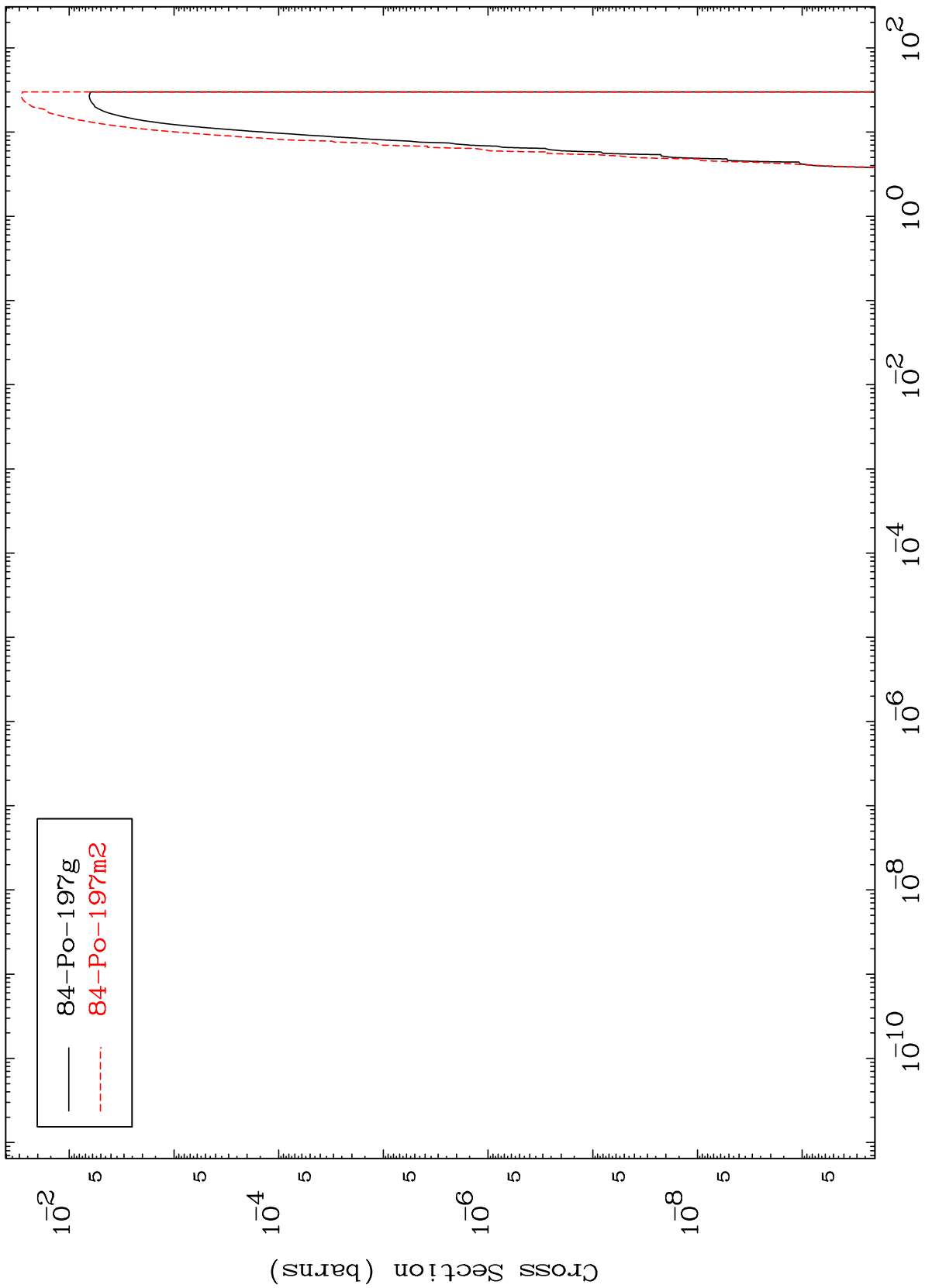
85-At-198

MAT 8510

(n,d)

85-At-198

Radionuclide Production Cross Section

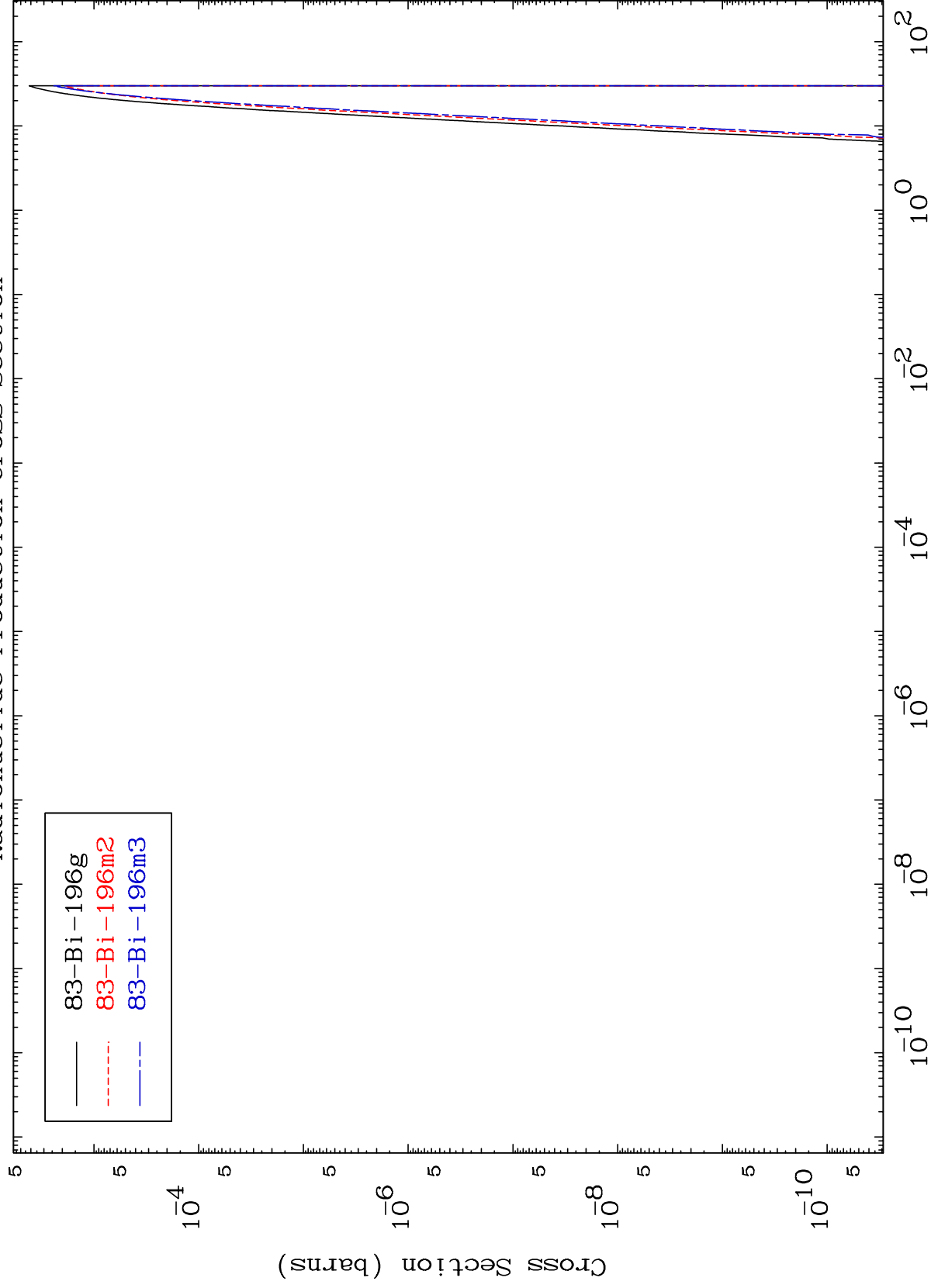


MAT 8510

(n,He-3)

85-At-198

Radionuclide Production Cross Section



97

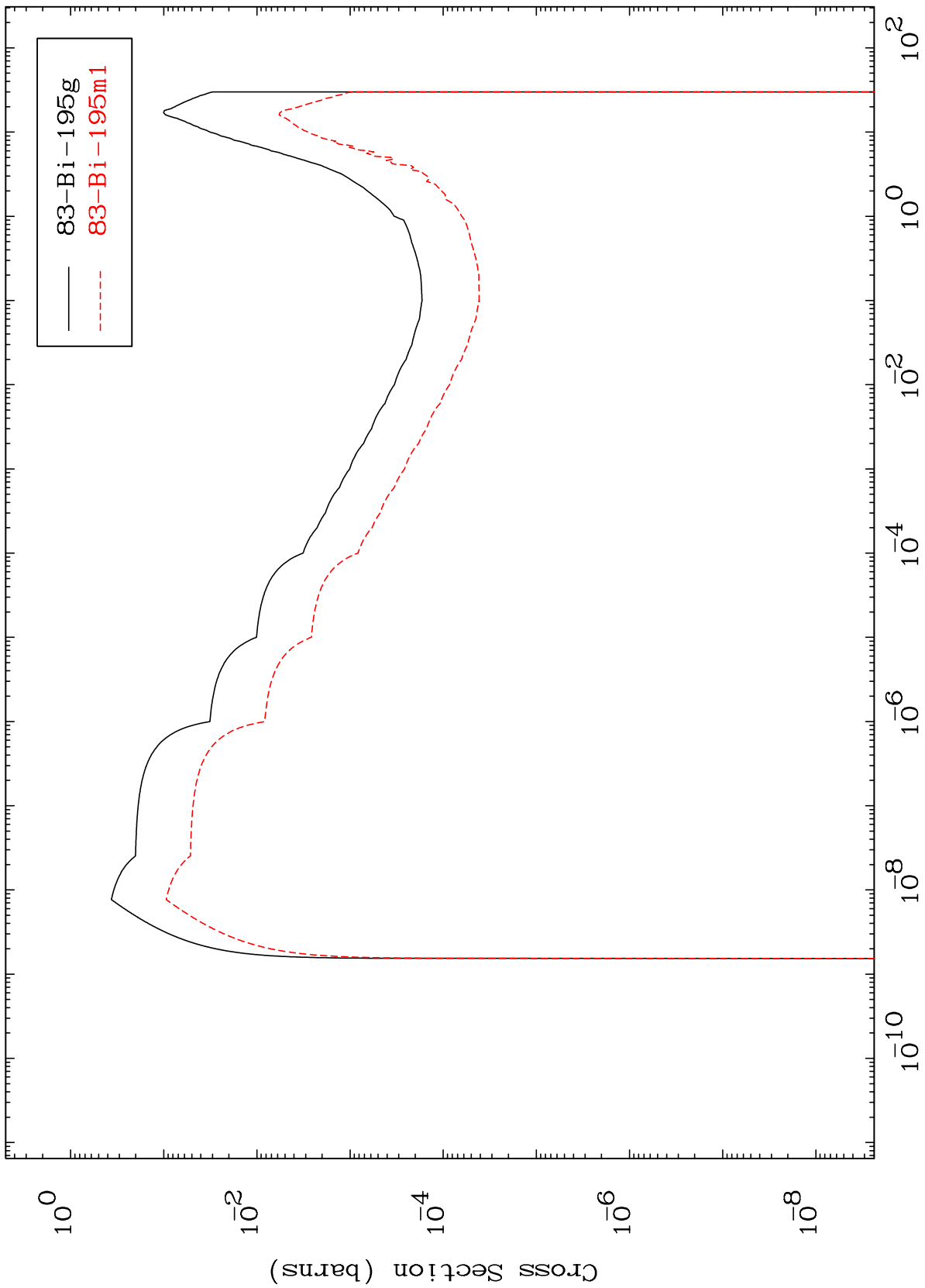
Incident Energy (MeV)

85-At-198

MAT 8510

85-At-198

(n, α)
Radionuclide Production Cross Section



98

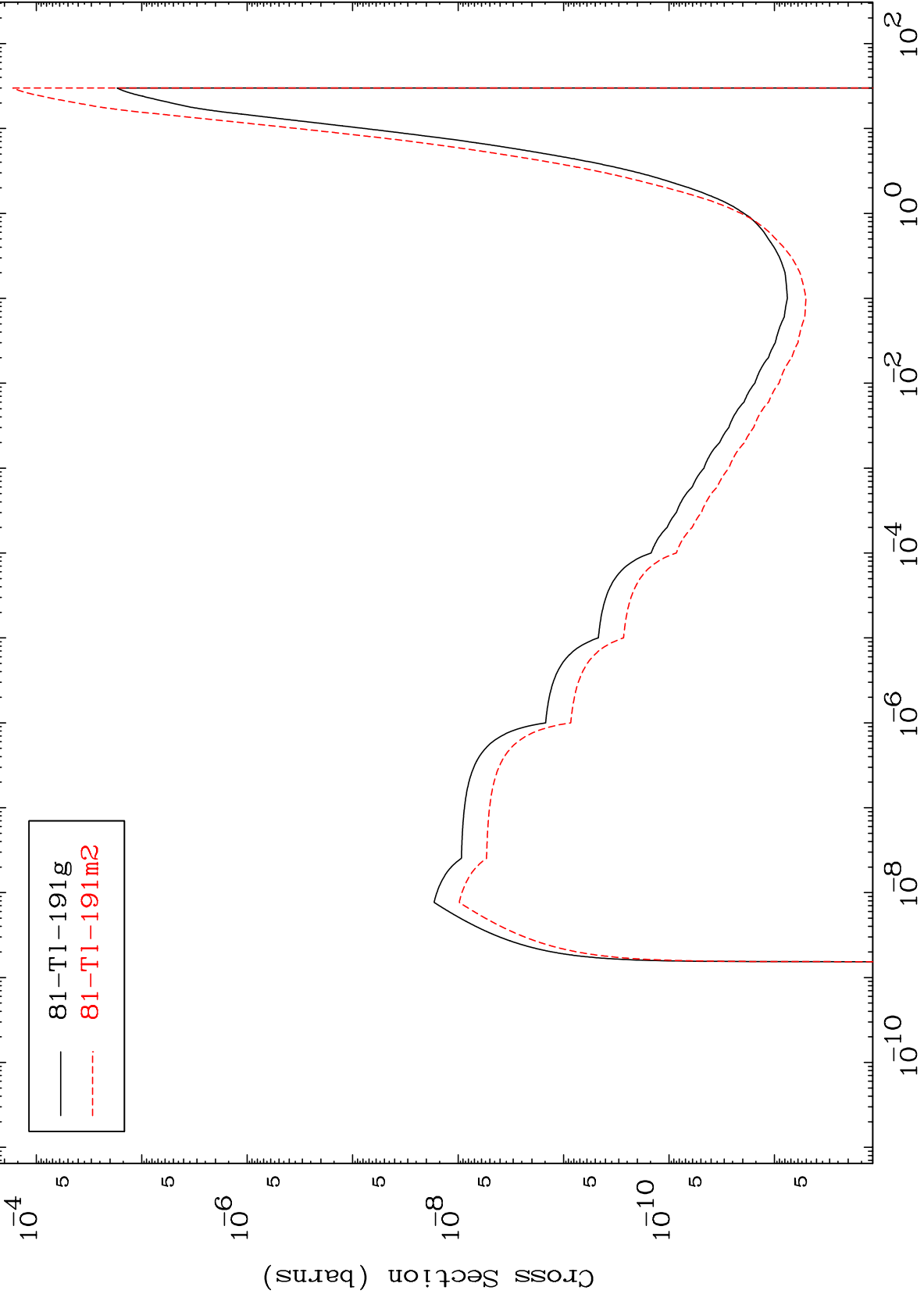
85-At-198

MAT 8510

(n,2α)

85-At-198

Radionuclide Production Cross Section

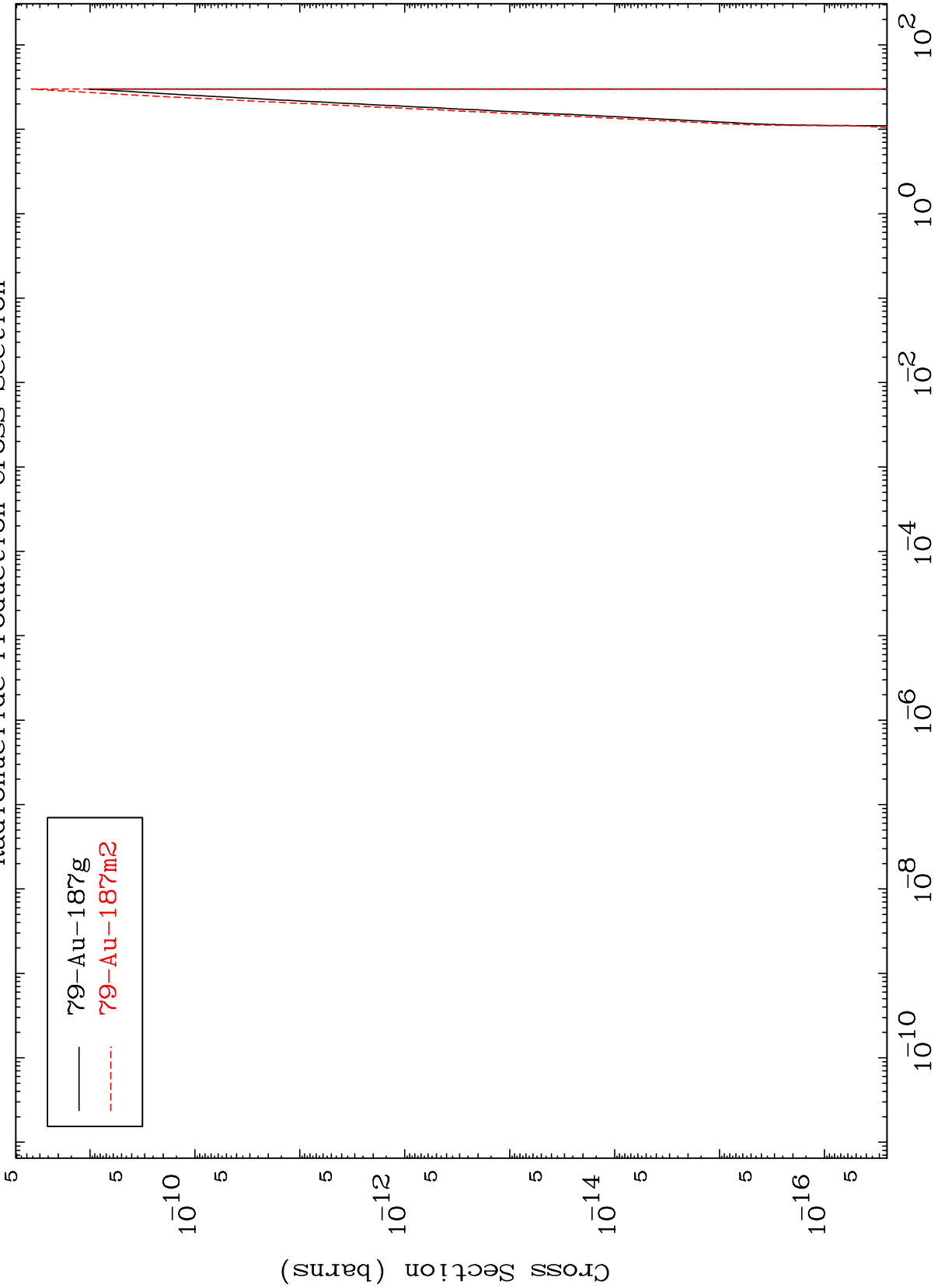


MAT 8510

(n,3α)

85-At-198

Radionuclide Production Cross Section



— $^{79}\text{Au-187g}$
- - - $^{79}\text{Au-187m2}$

100

Incident Energy (MeV)

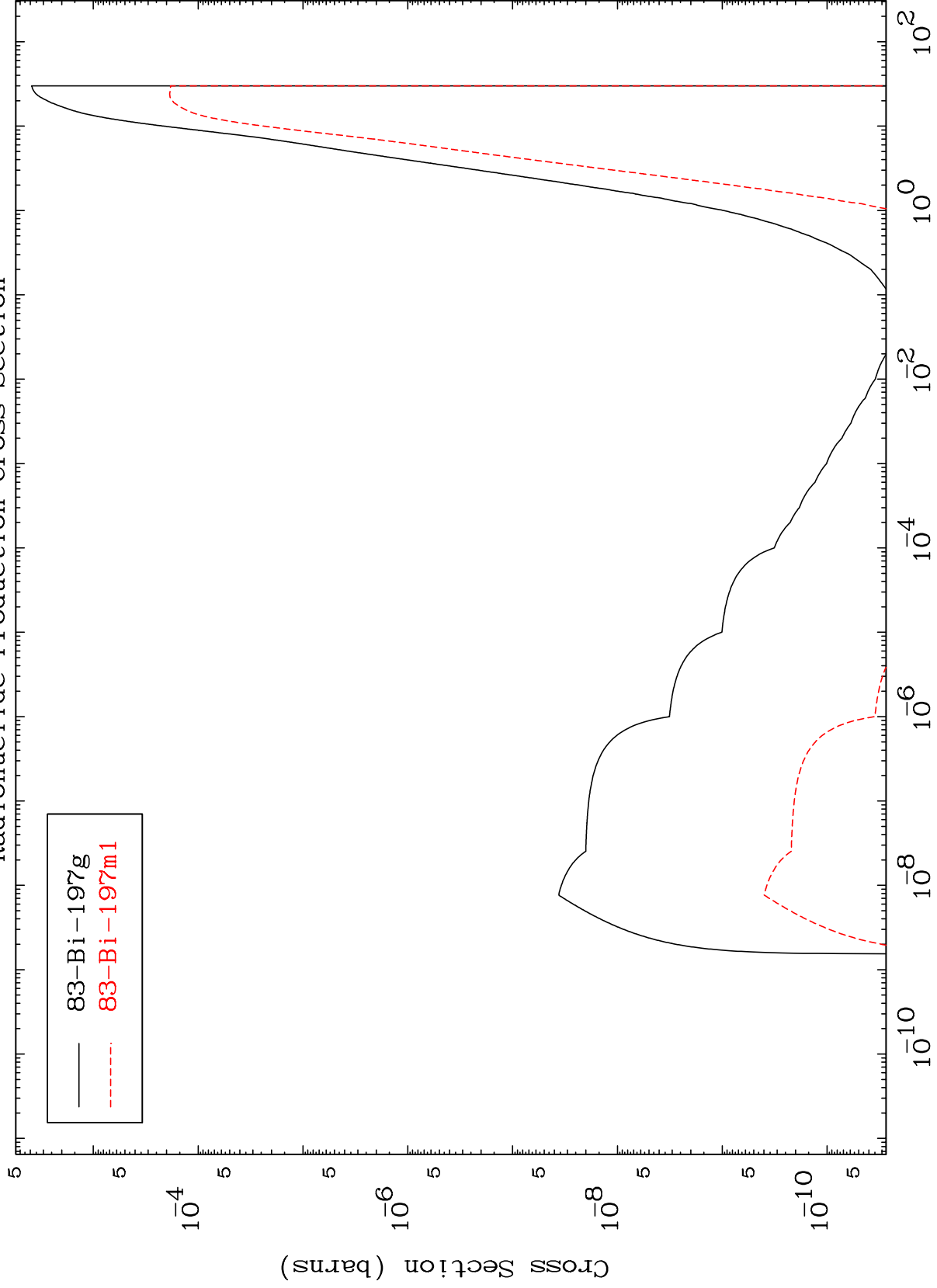
85-At-198

MAT 8510

(n,2p)

85-At-198

Radionuclide Production Cross Section



101

Incident Energy (MeV)

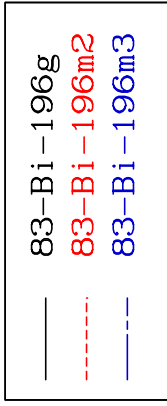
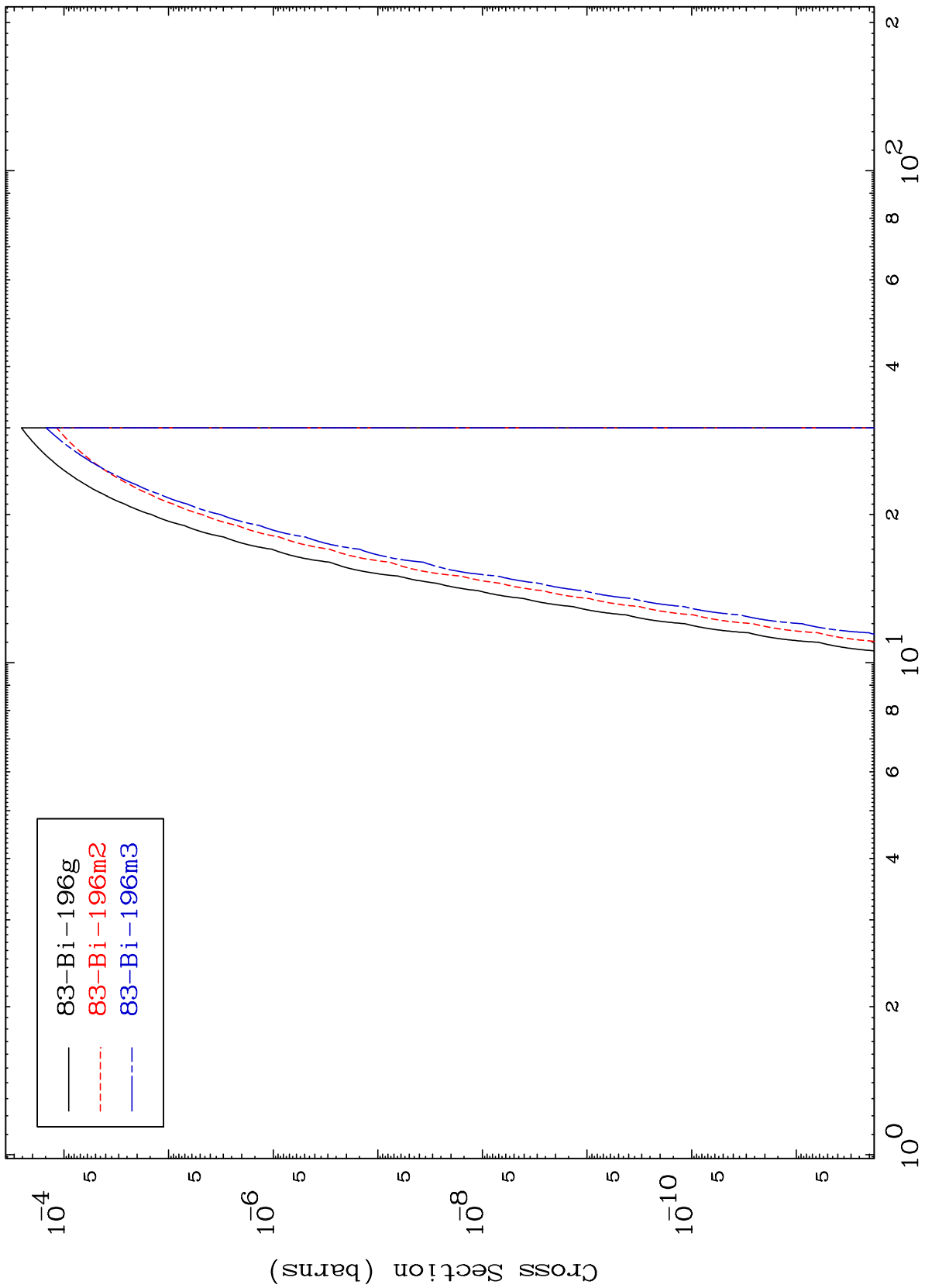
85-At-198

MAT 8510

(n,p) d

85-At-198

Radionuclide Production Cross Section



Incident Energy (MeV)

85-At-198

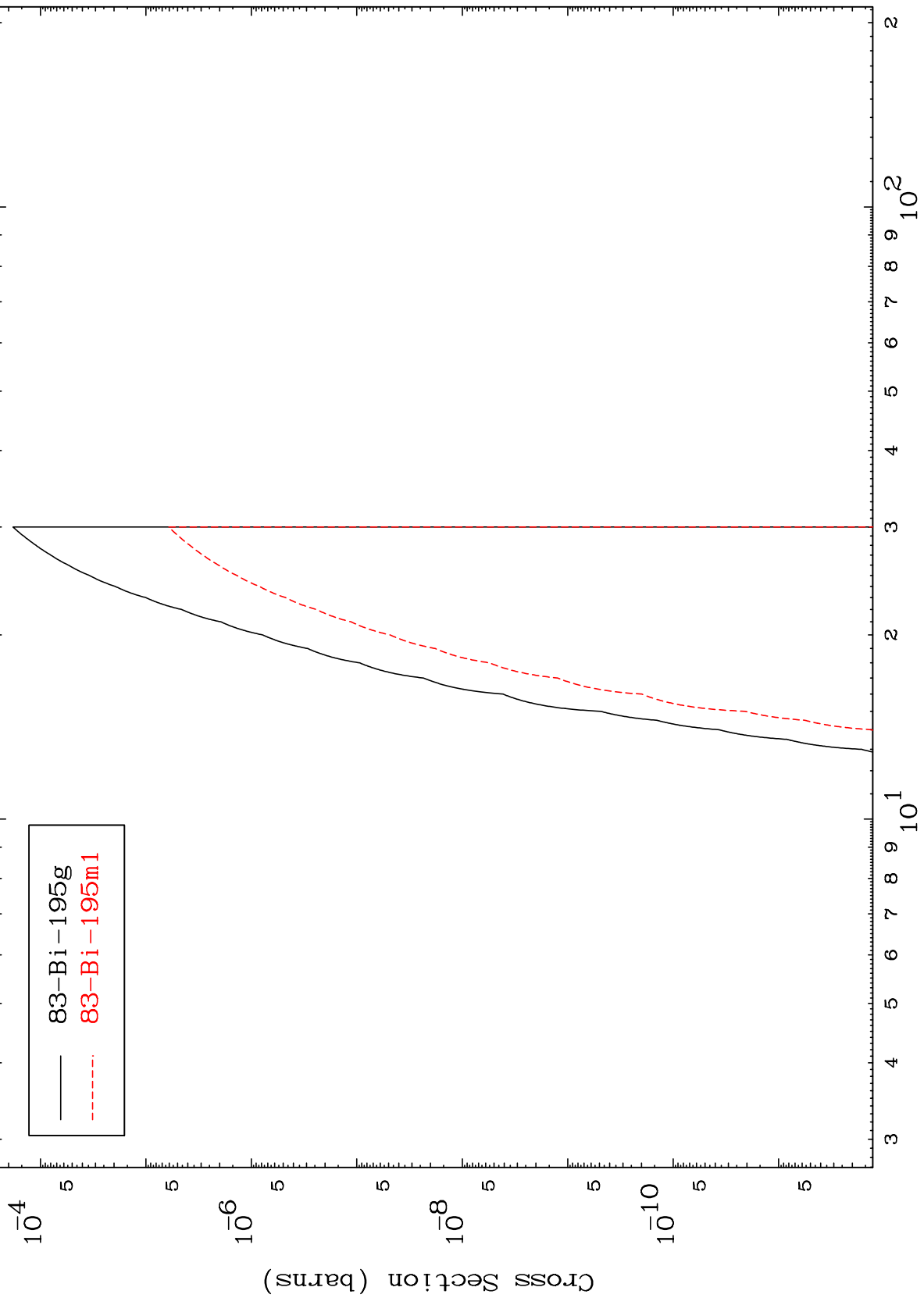
102

MAT 8510

(n,p) t

85-At-198

Radionuclide Production Cross Section



103

Incident Energy (MeV)

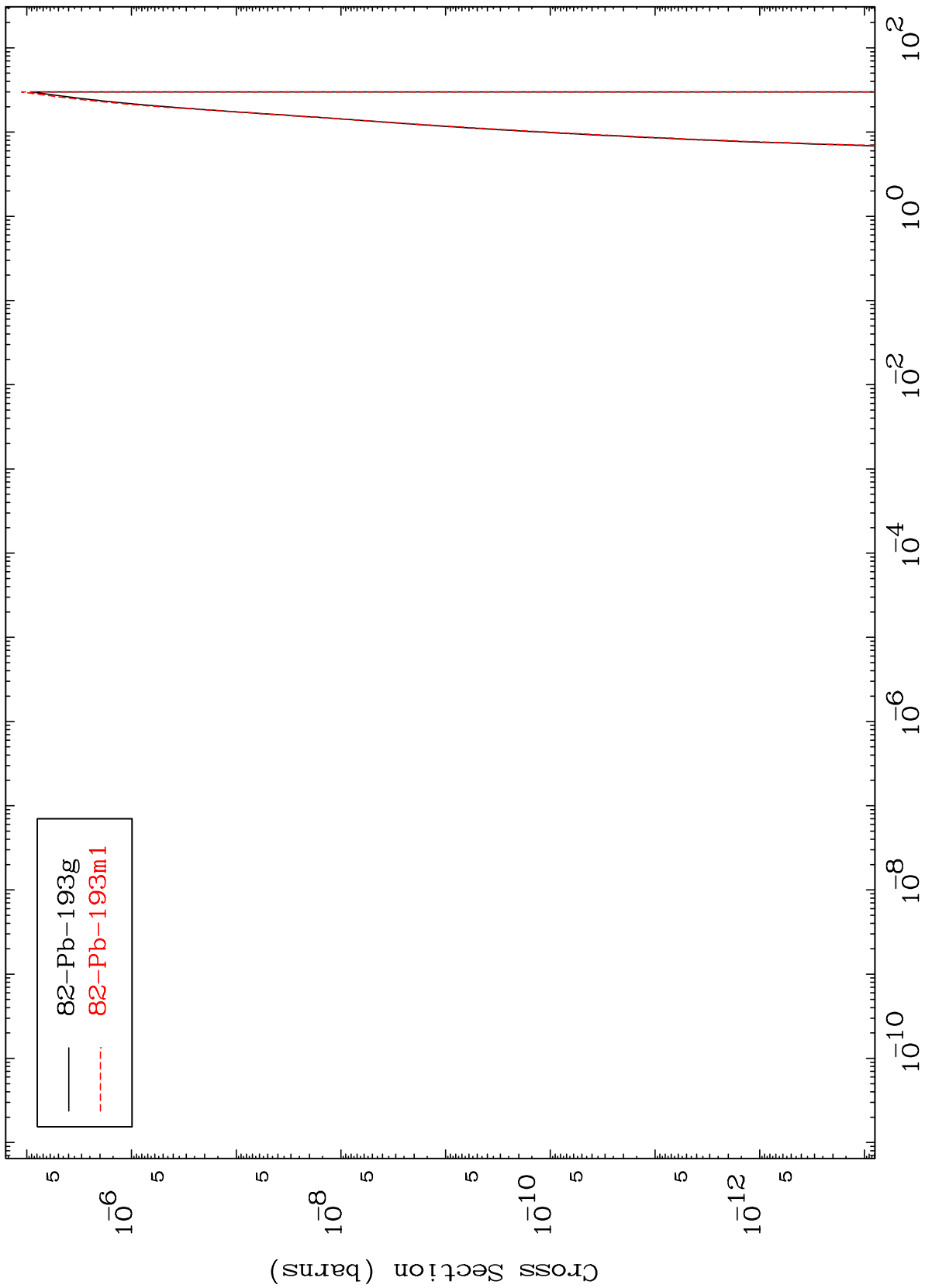
85-At-198

MAT 8510

(n,d) α

85-At-198

Radionuclide Production Cross Section



104

Incident Energy (MeV)

85-At-198