

Program EVALPLOT
(Version 2017-1)

by

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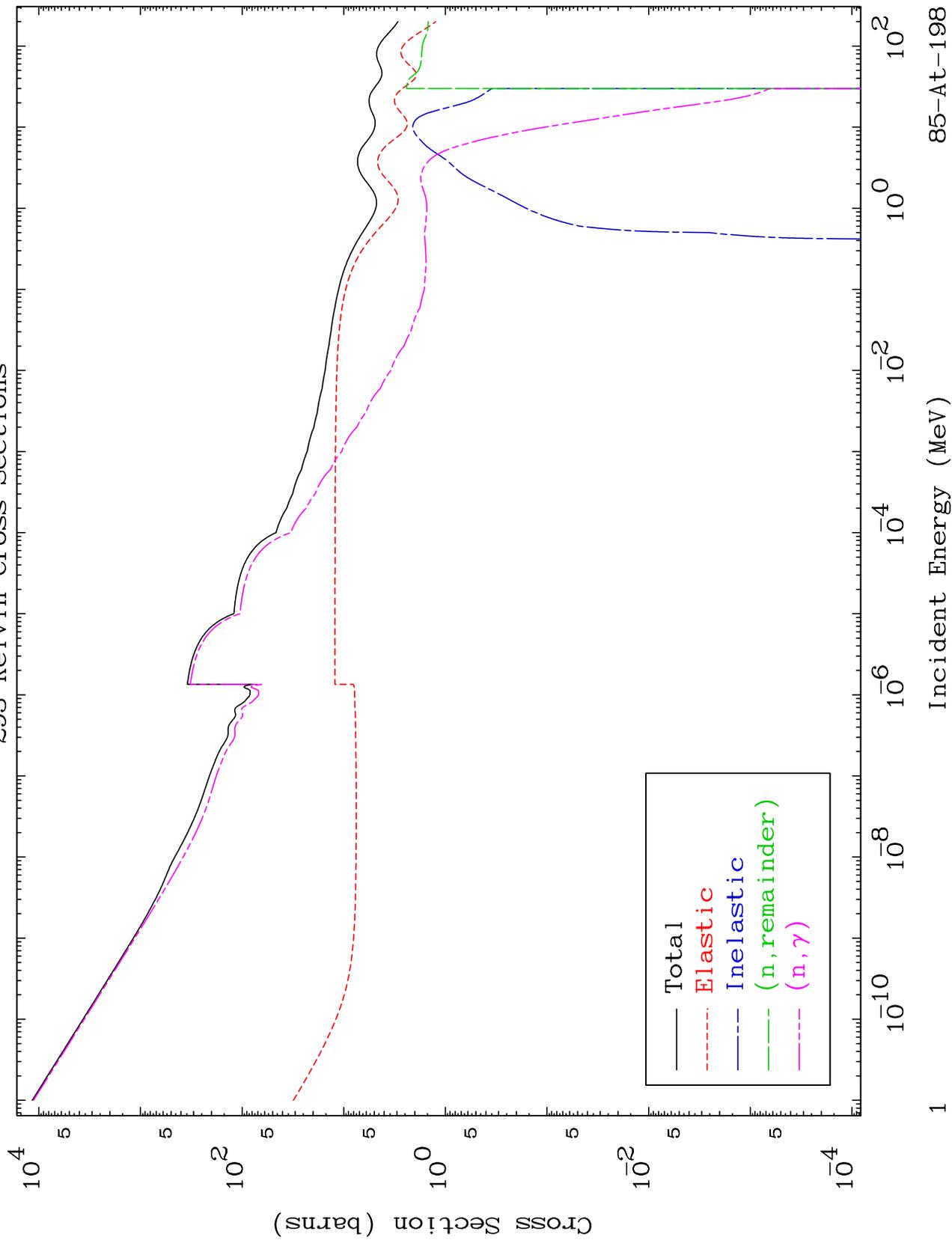
Press Mouse Button to Start

MAT 8510

Major

293 Kelvin Cross Sections

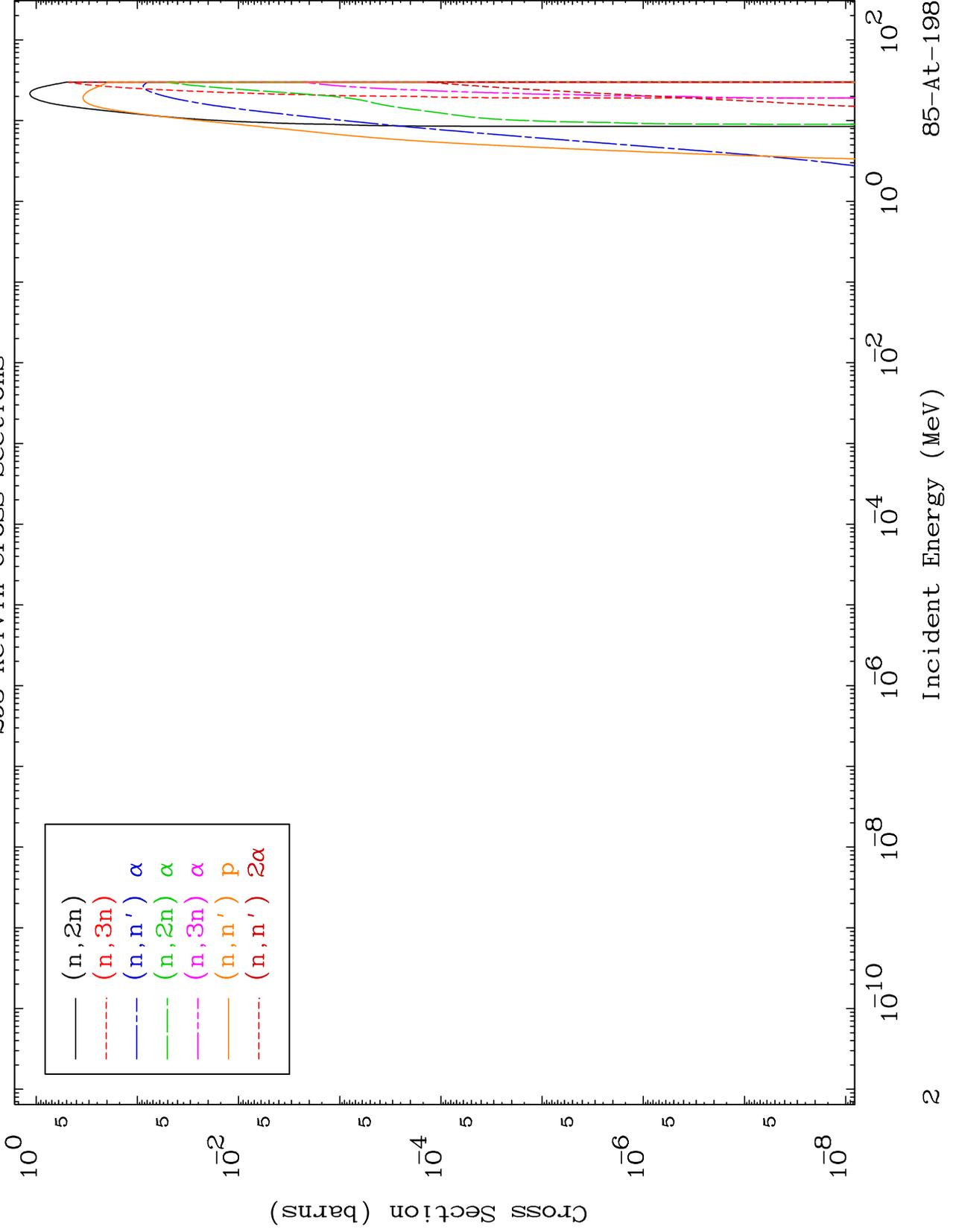
85-At-198



MAT 8510

Neutron Production
293 Kelvin Cross Sections

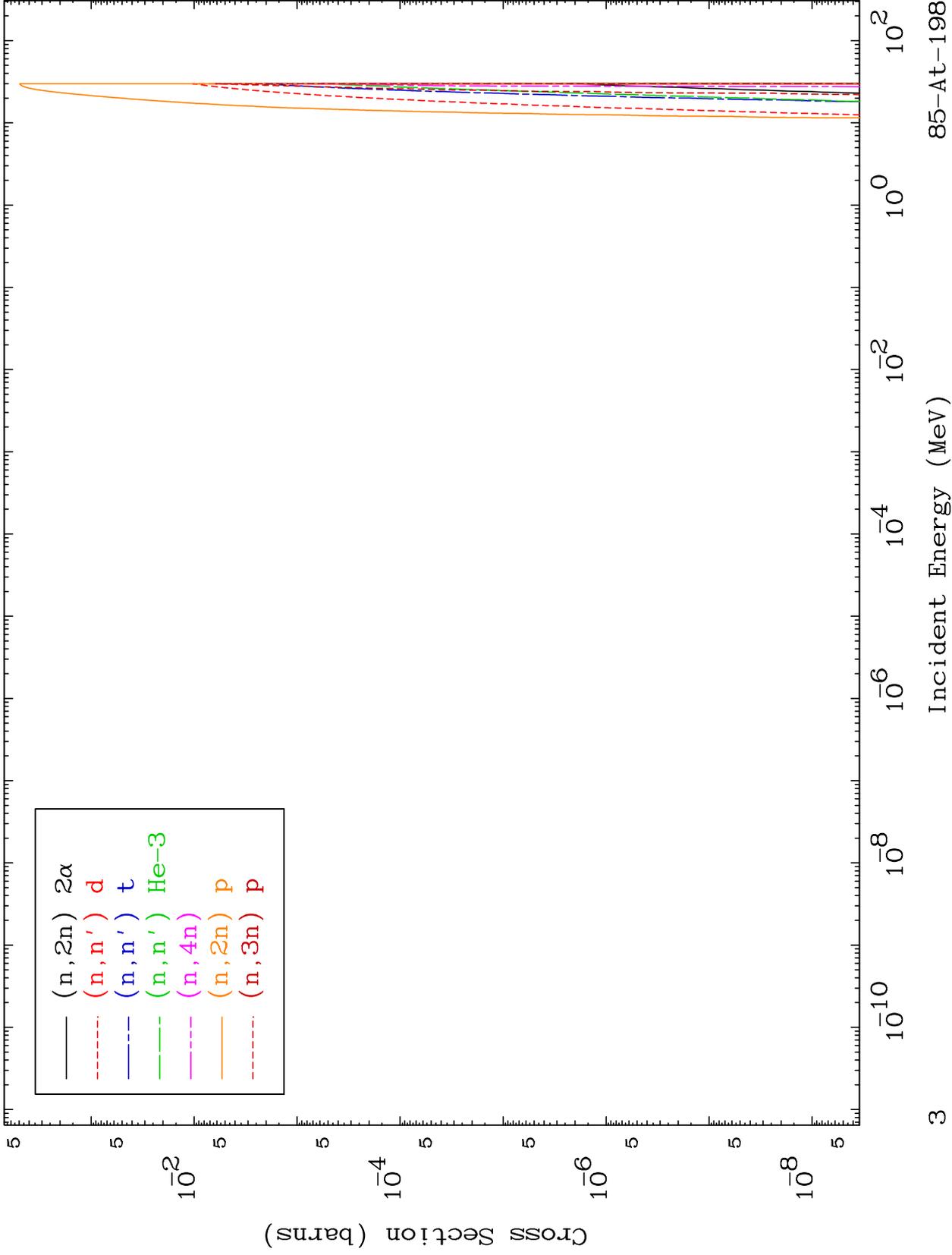
85-At-198



MAT 8510

Neutron Production
293 Kelvin Cross Sections

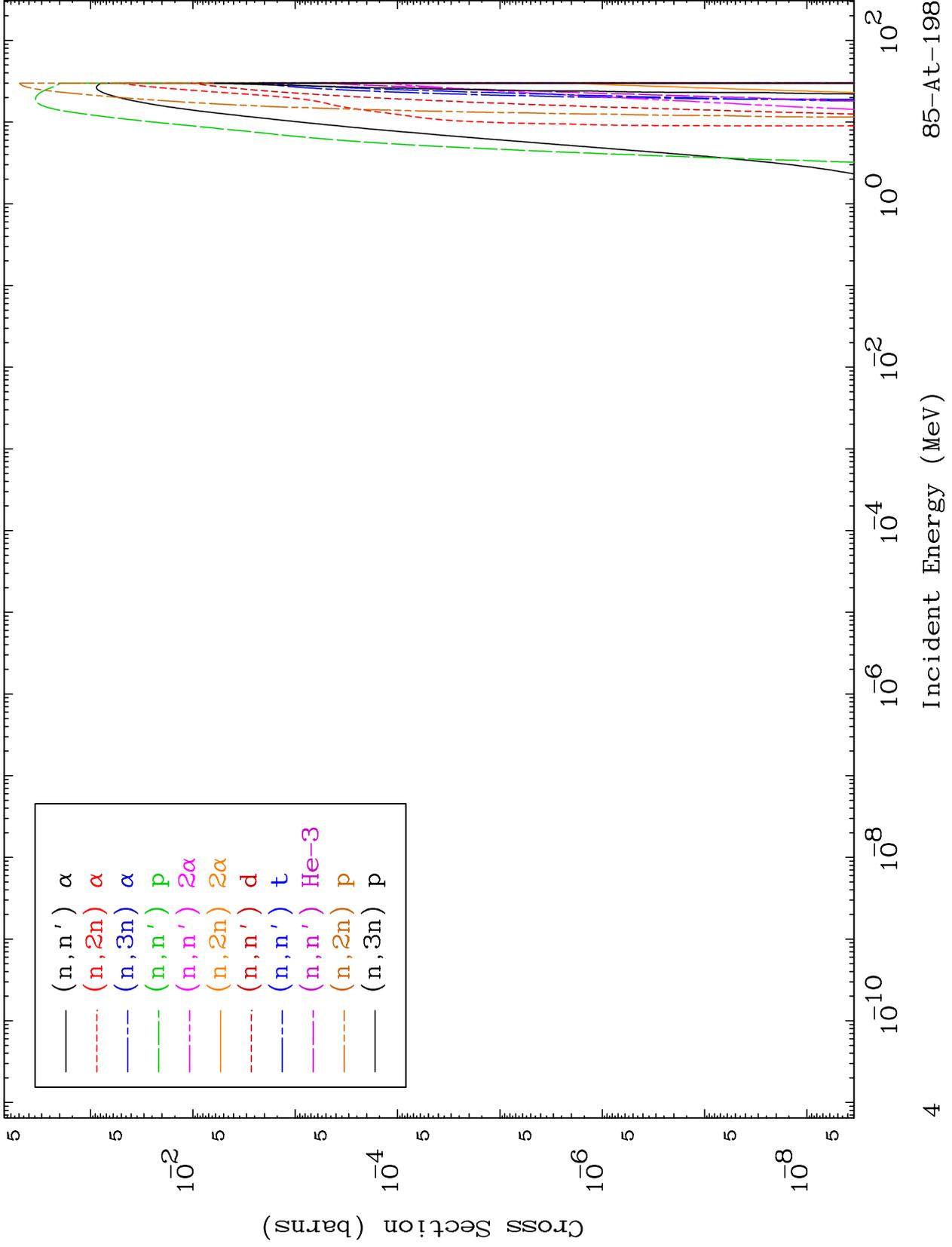
85-At-198



MAT 8510

Charged Particle
293 Kelvin Cross Sections

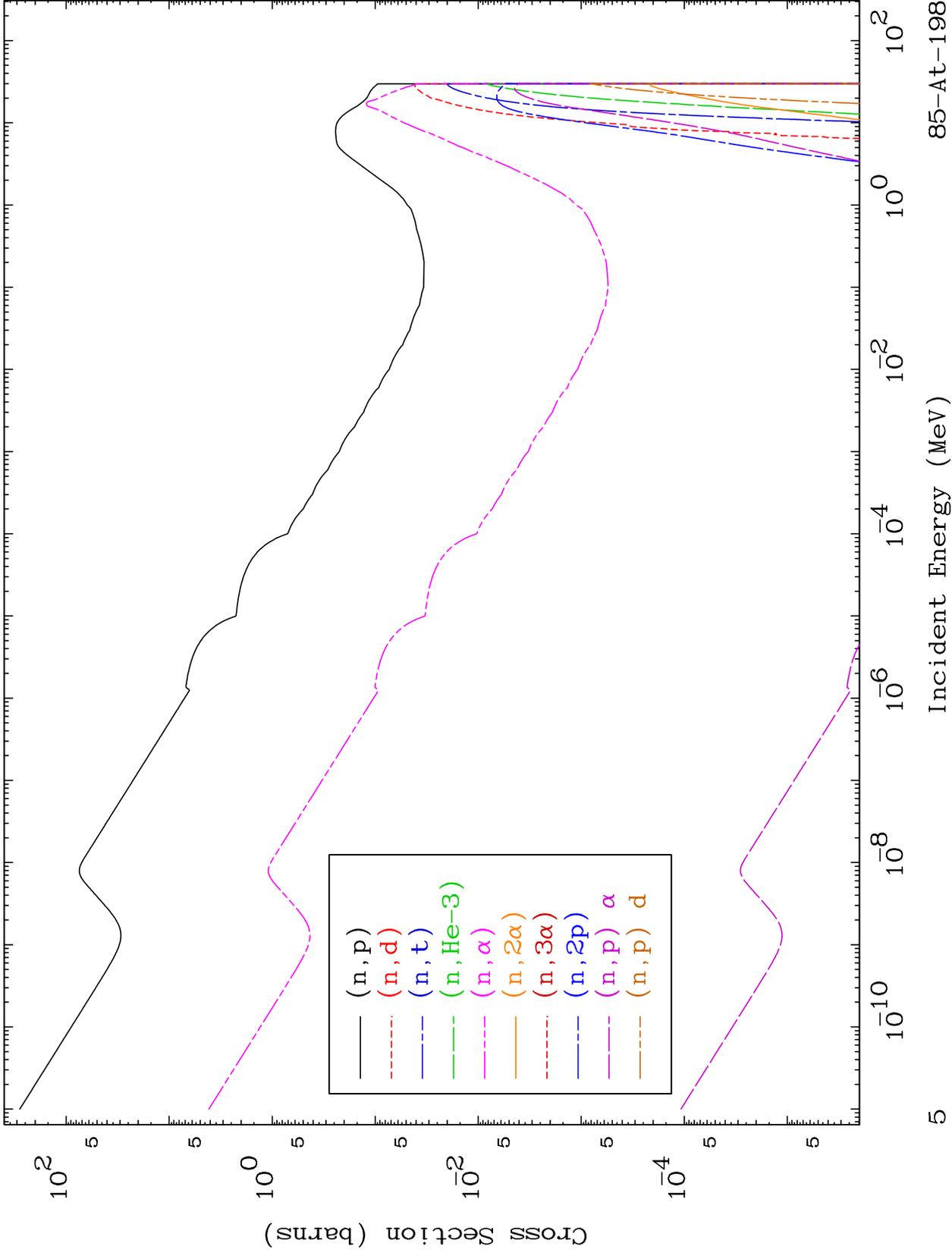
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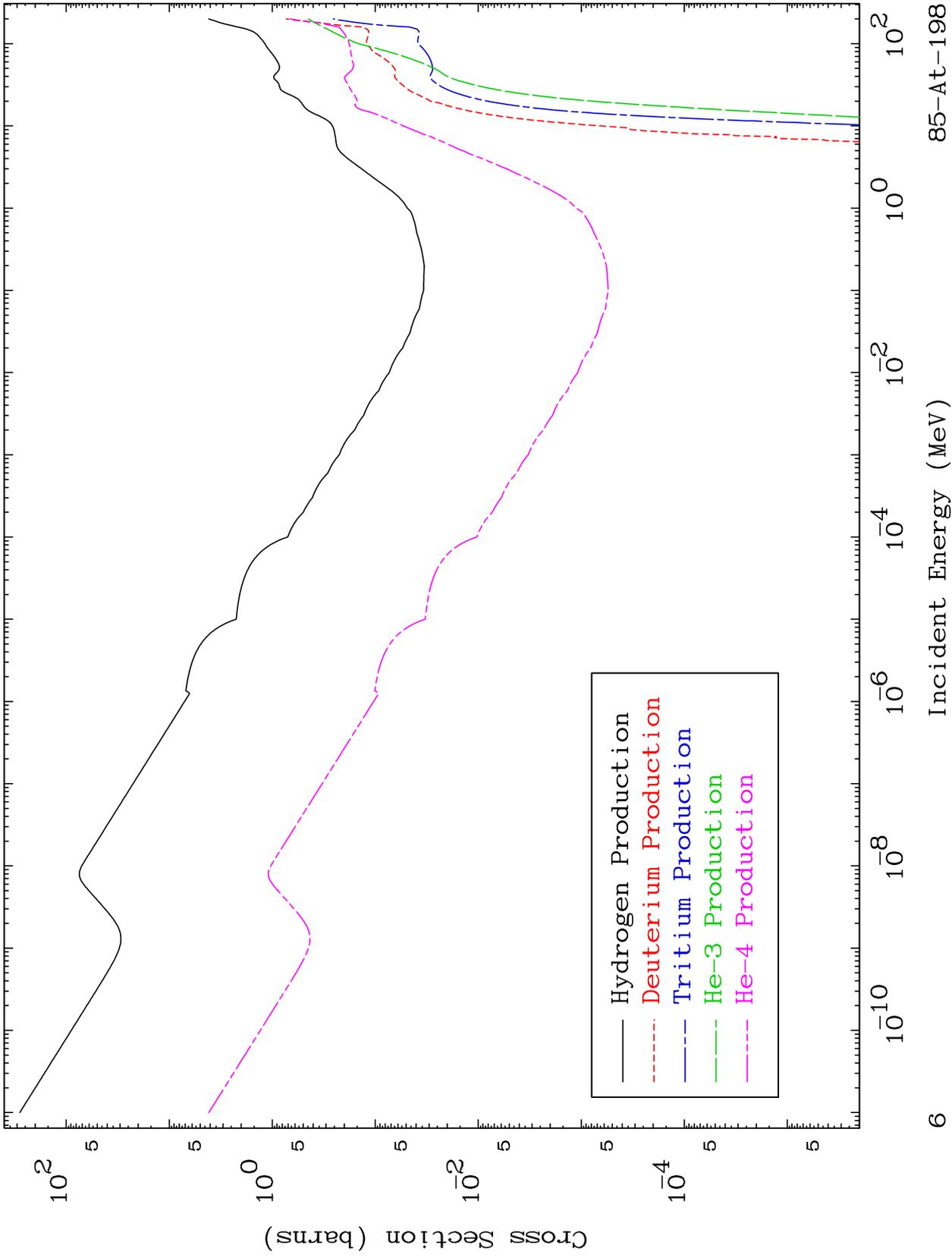


MAT 8510

Charged Particle
293 Kelvin Cross Sections

85-At-198



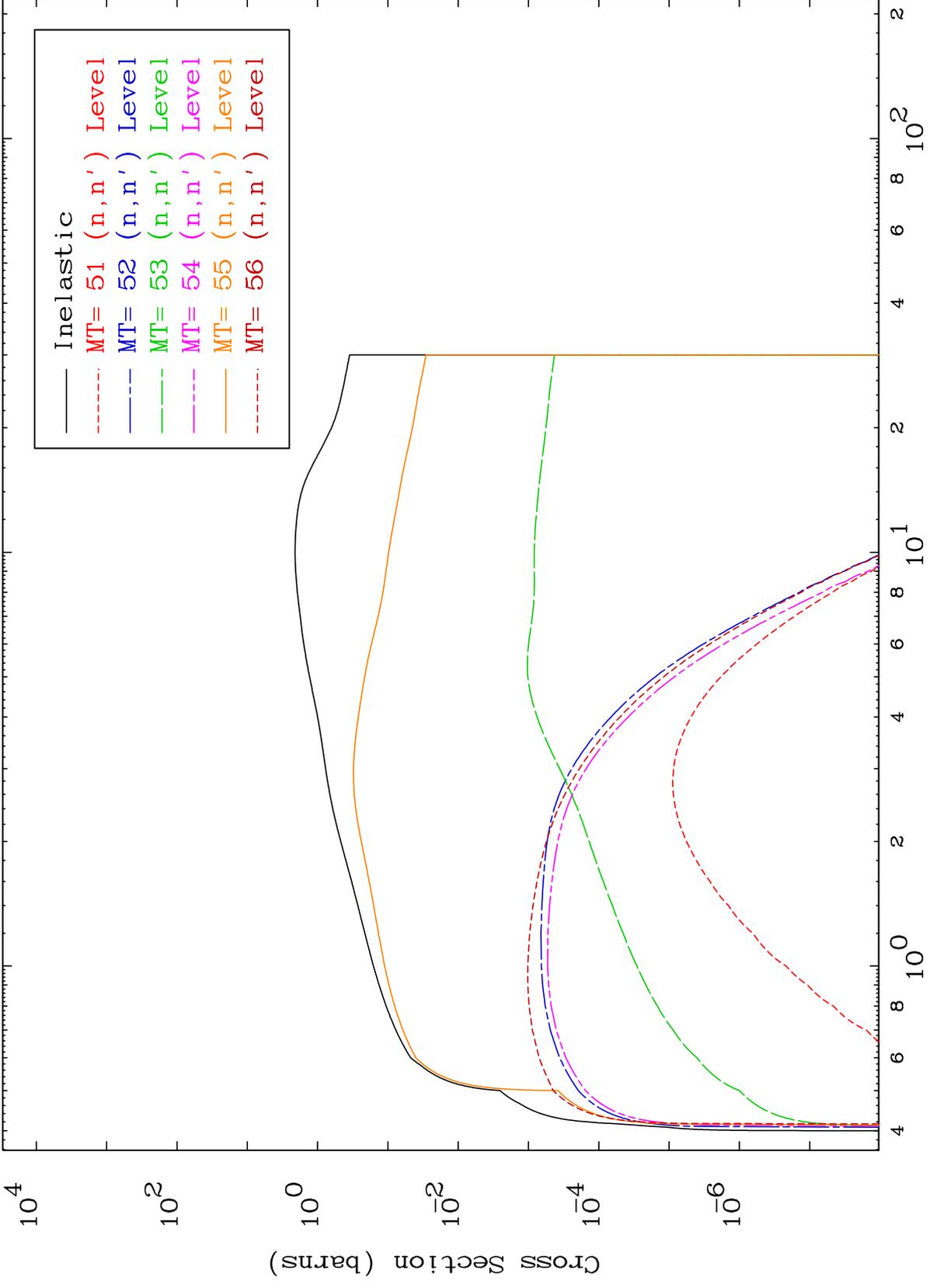


MAT 8510

(n,n') Level

85-At-198

293 Kelvin Cross Sections



7

Incident Energy (MeV)

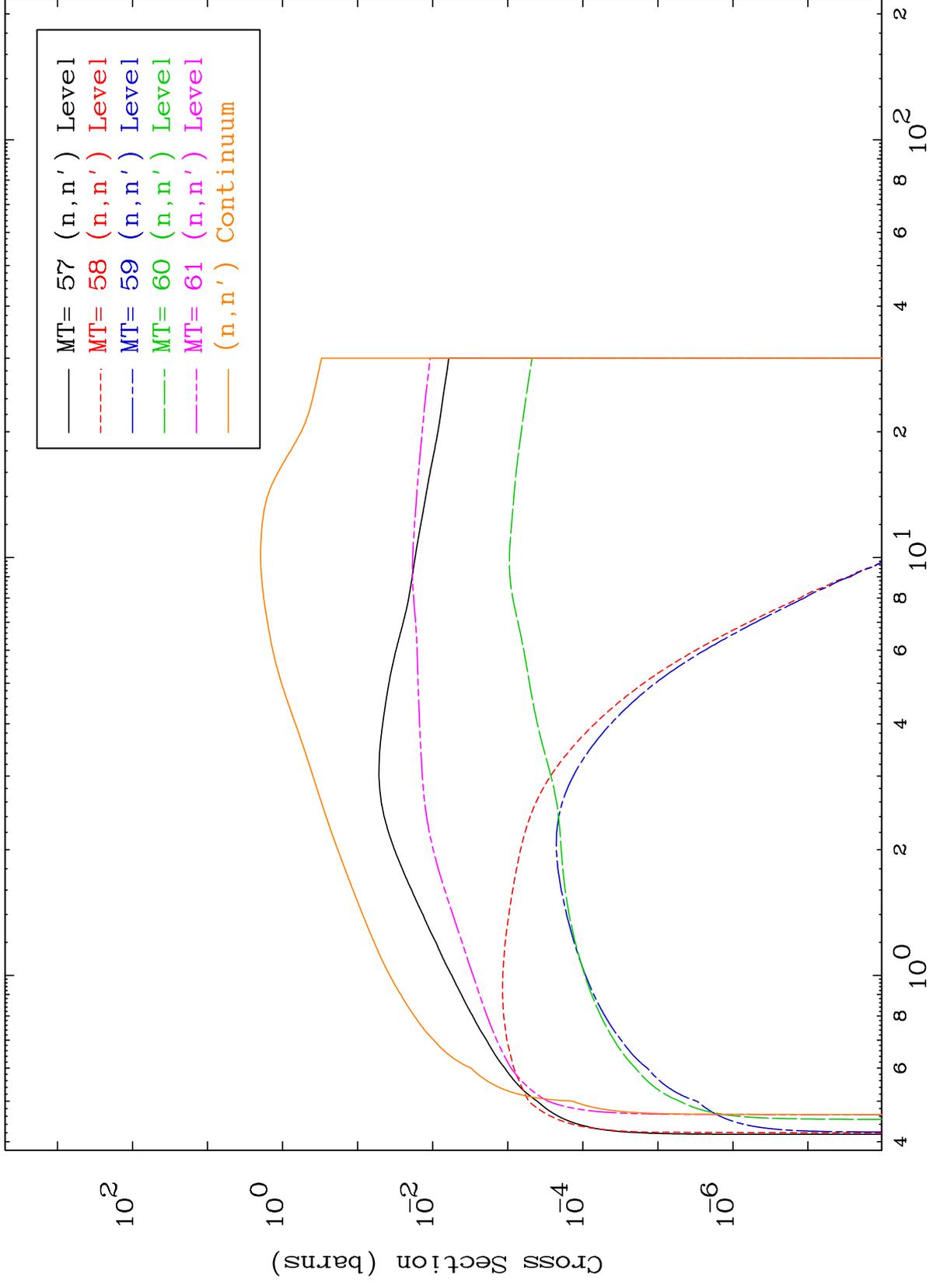
85-At-198

MAT 8510

(n,n') Level

85-At-198

293 Kelvin Cross Sections



8

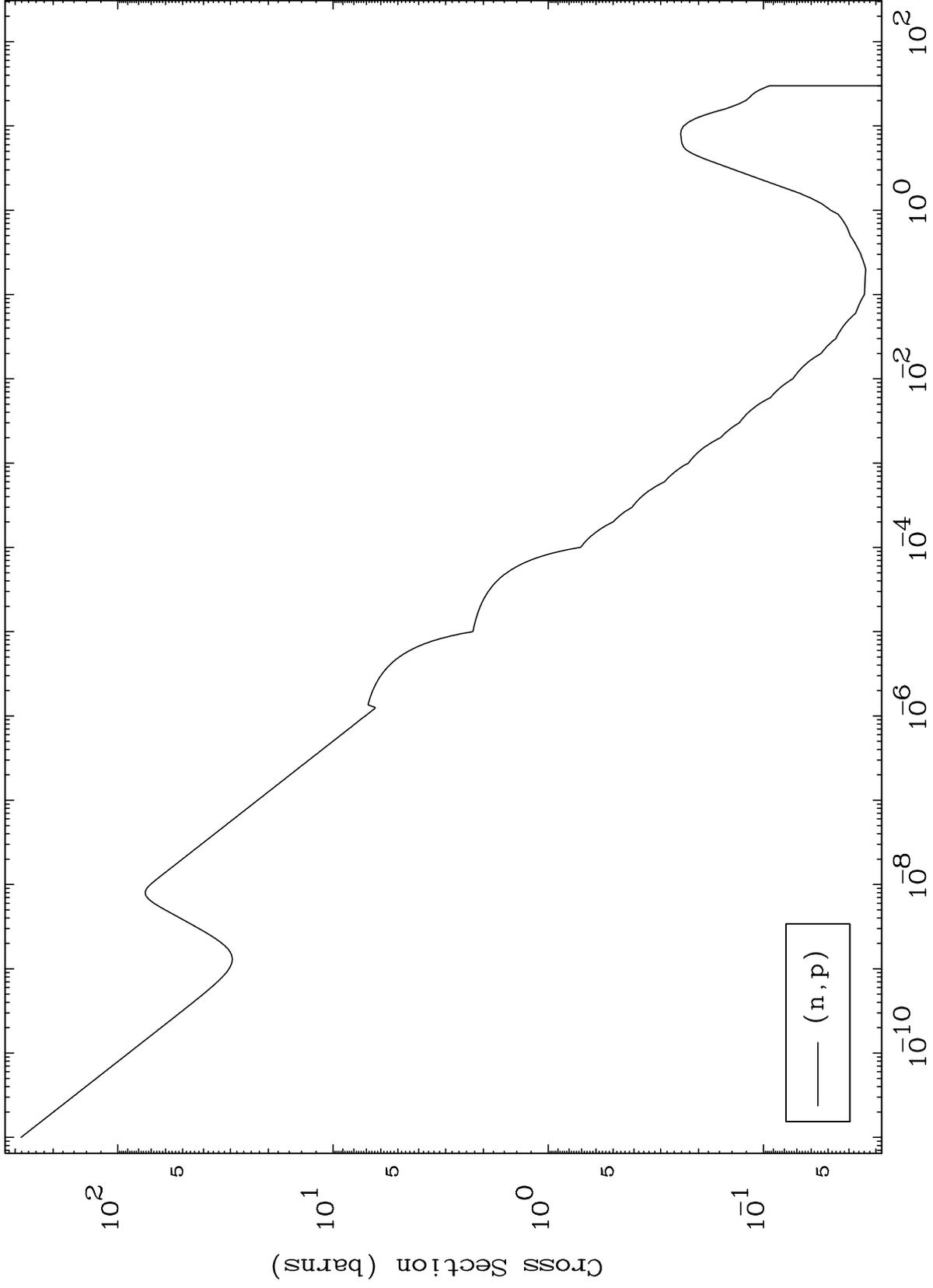
Incident Energy (MeV)

85-At-198

MAT 8510

(n,p) Levels
293 Kelvin Cross Sections

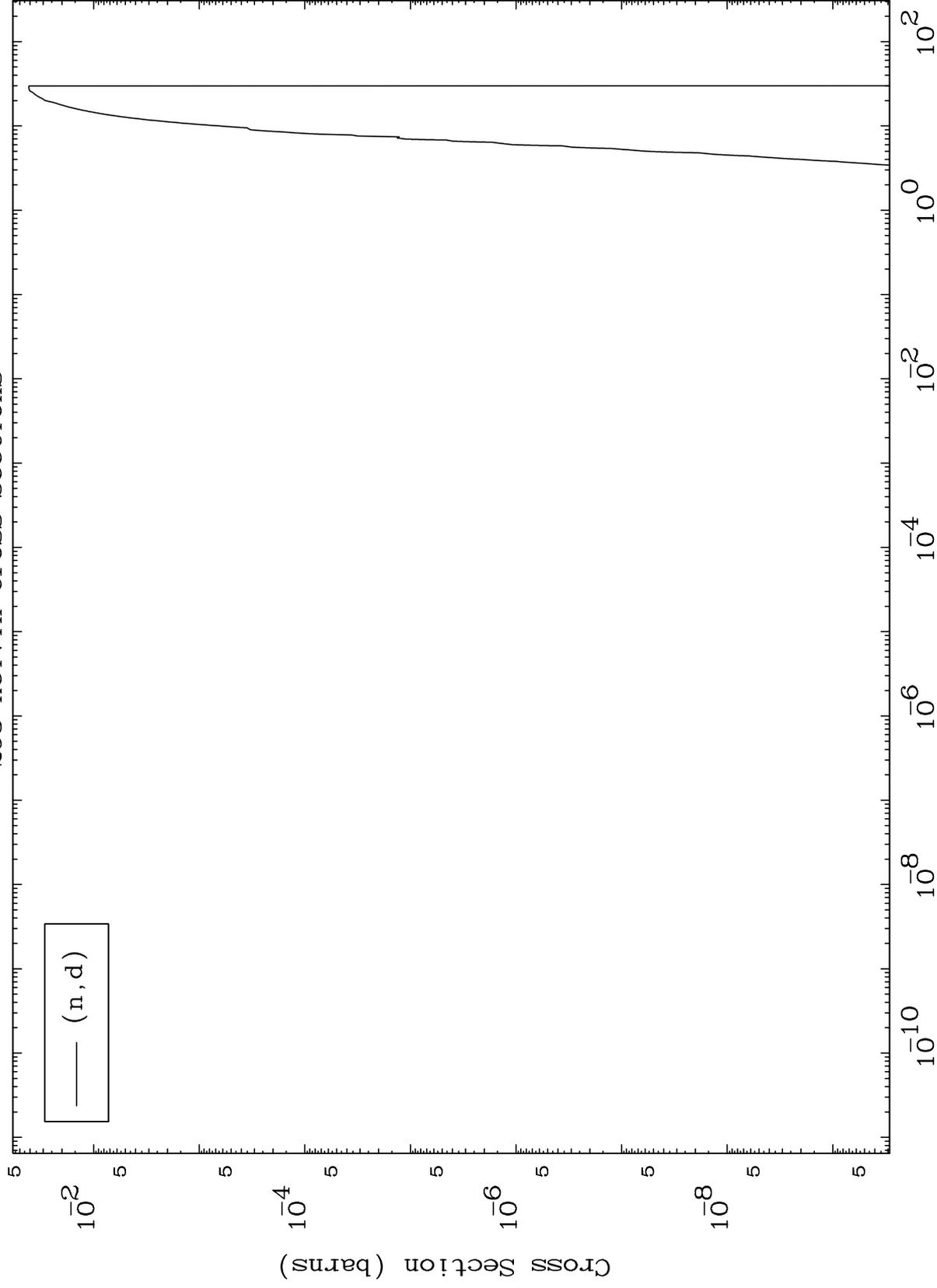
85-At-198



MAT 8510

(n,d) Levels
293 Kelvin Cross Sections

85-At-198



10

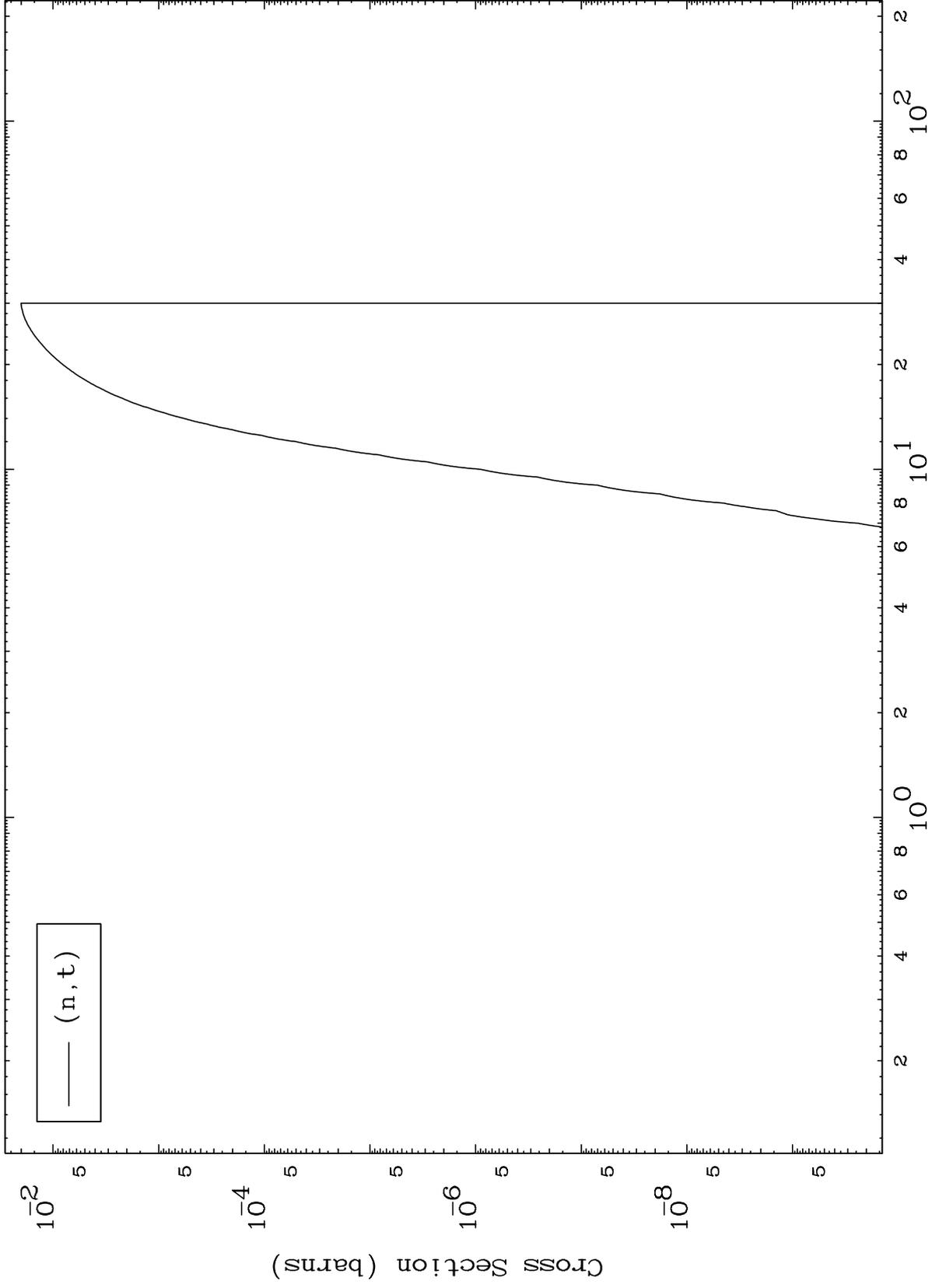
Incident Energy (MeV)

85-At-198

MAT 8510

(n,t) Levels
293 Kelvin Cross Sections

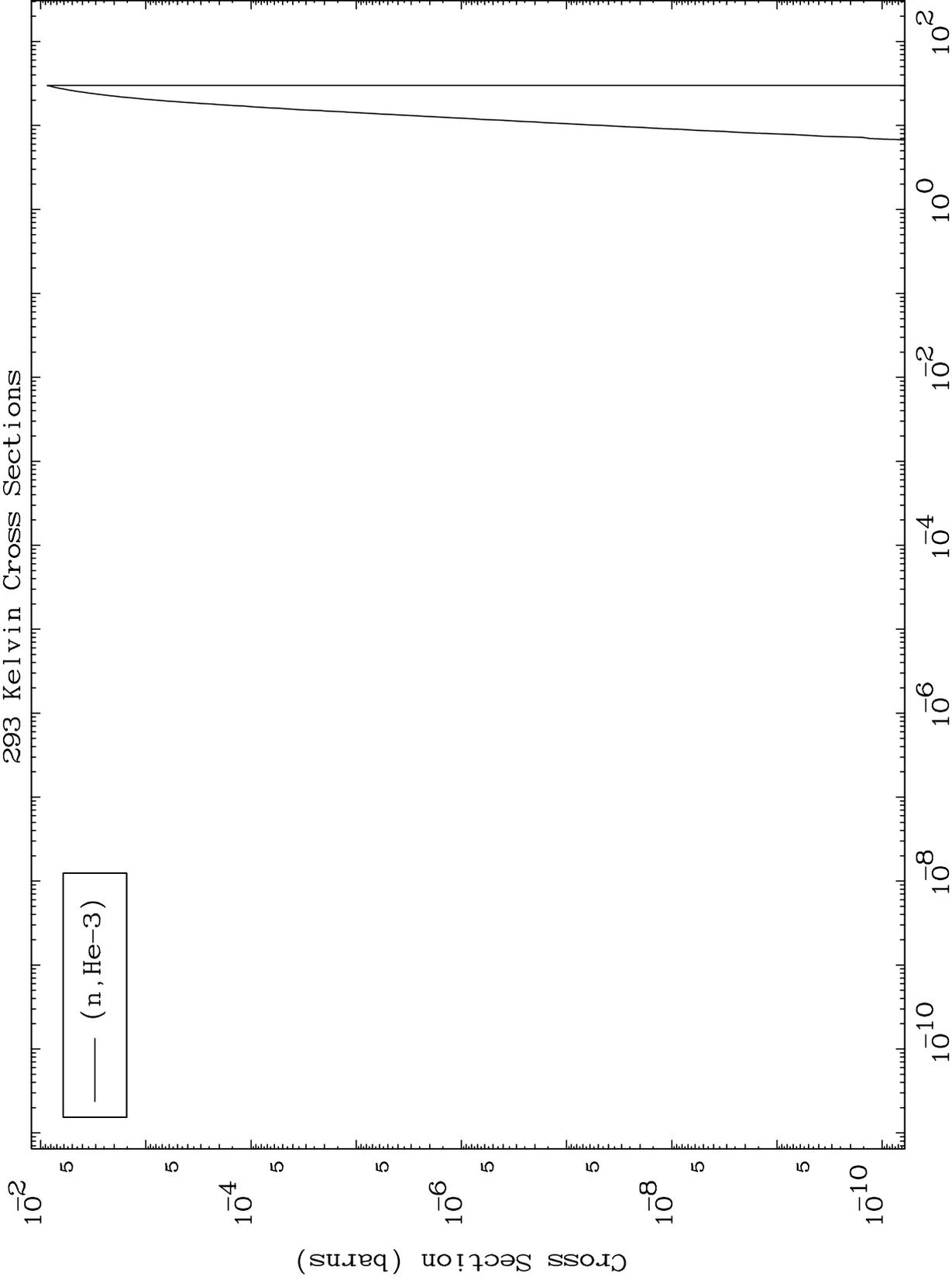
85-At-198



MAT 8510

(n,He3) Levels
293 Kelvin Cross Sections

85-At-198



12

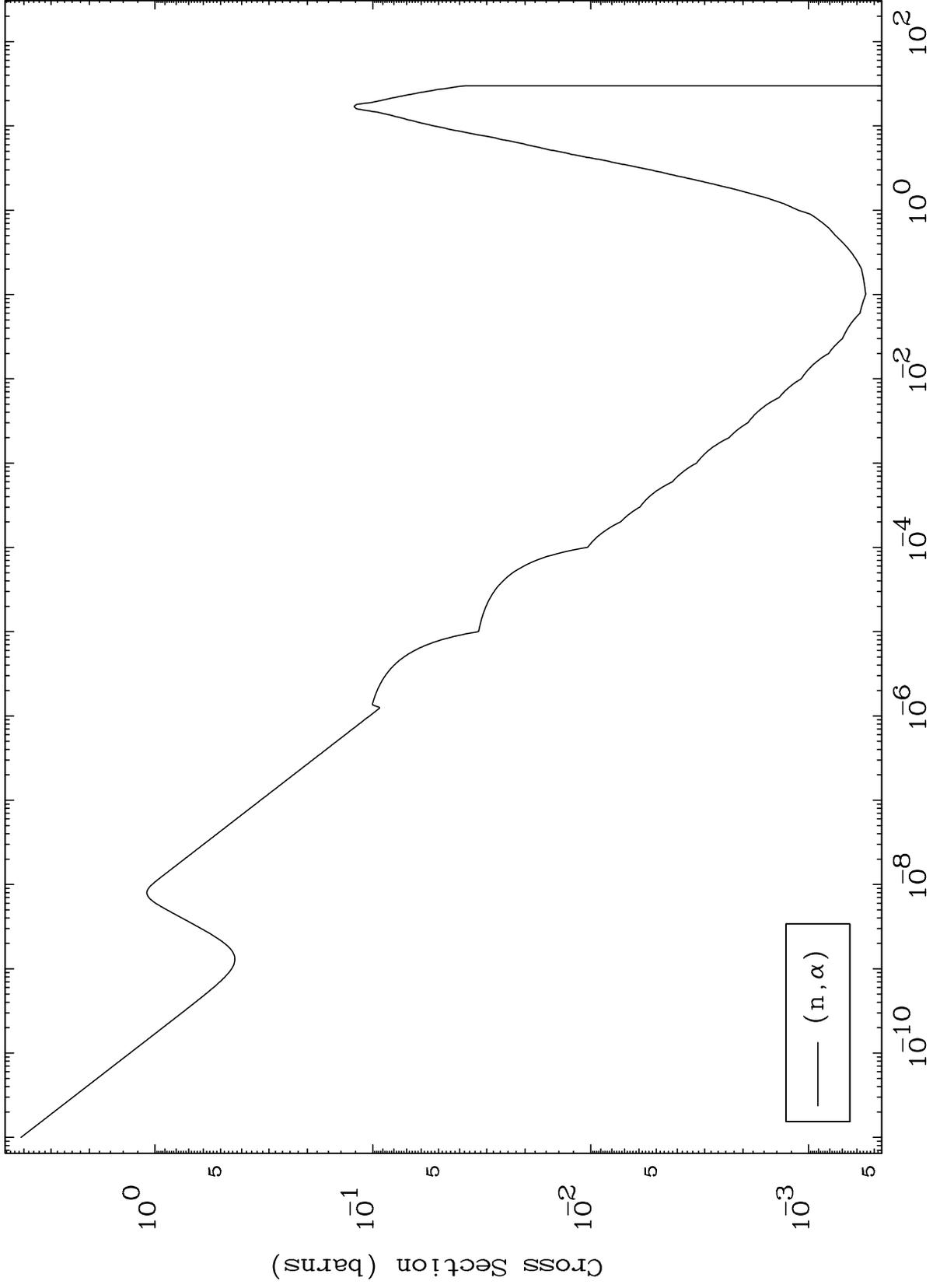
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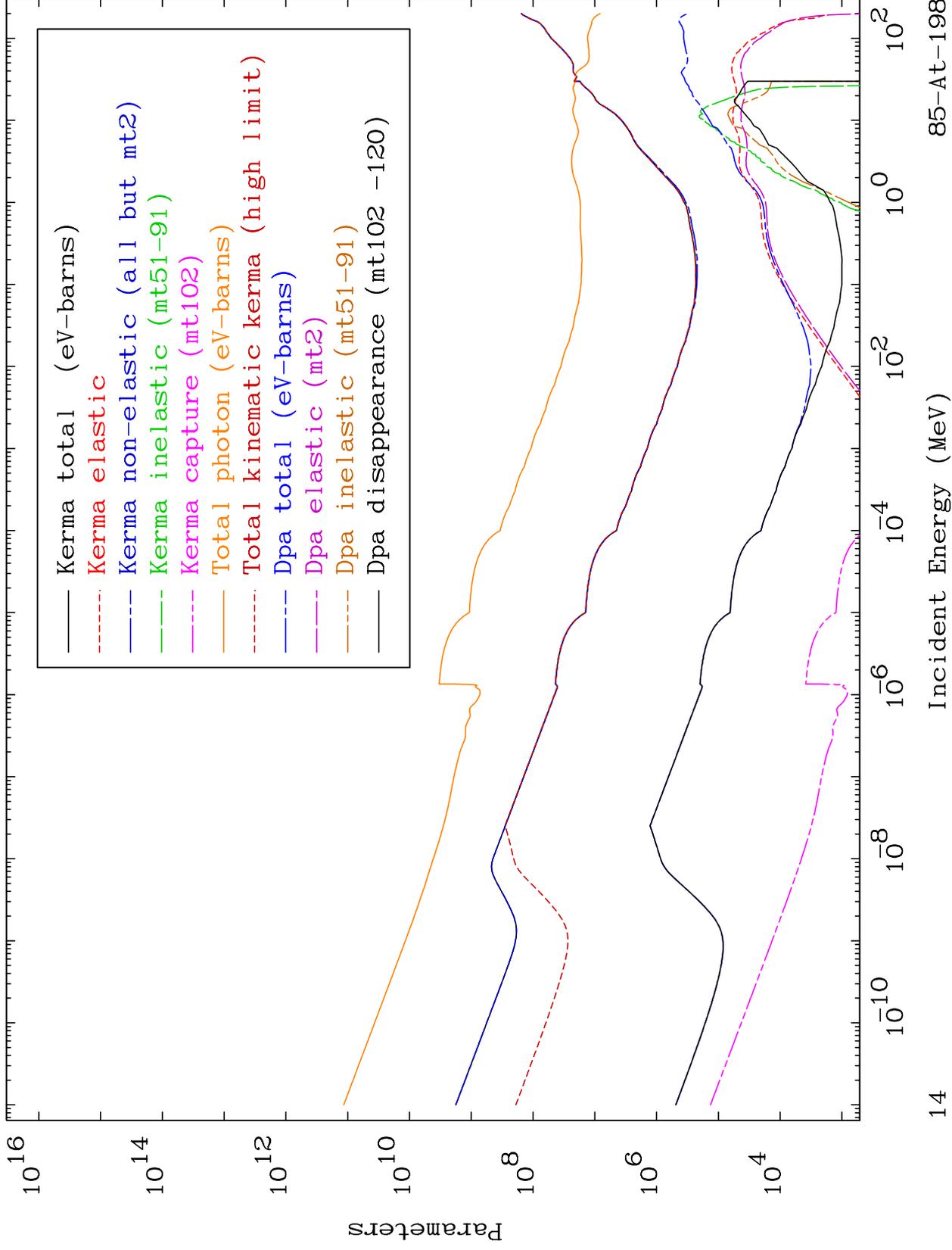
85-At-198

MAT 8510

(n,α) Levels
293 Kelvin Cross Sections

85-At-198

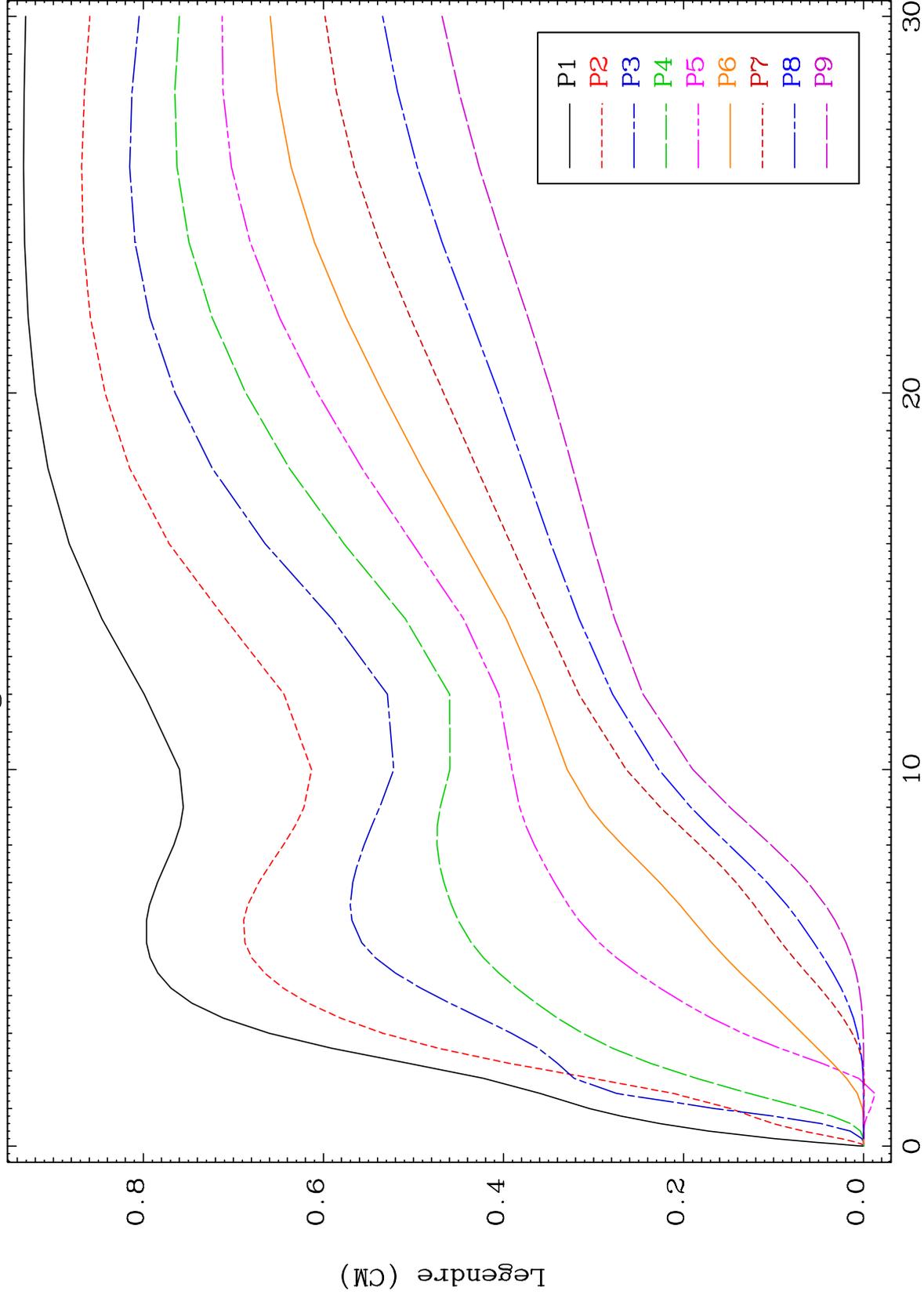




MAT 8510

Elastic Legendre Coefficients

85-At-198



15

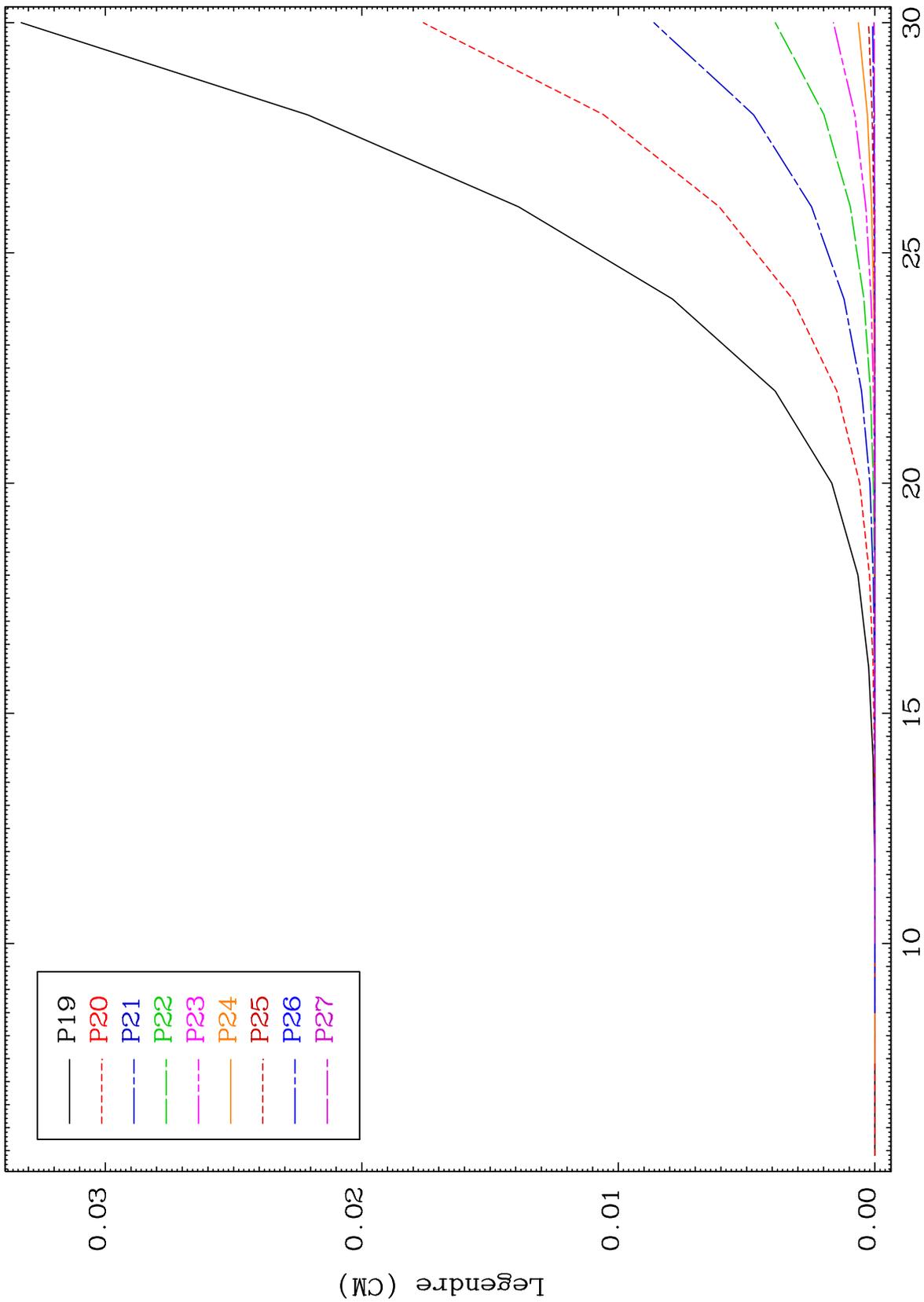
Incident Energy (MeV)

85-At-198

MAT 8510

Elastic Legendre Coefficients

85-At-198



17

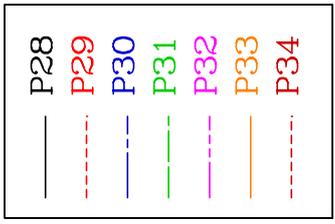
Incident Energy (MeV)

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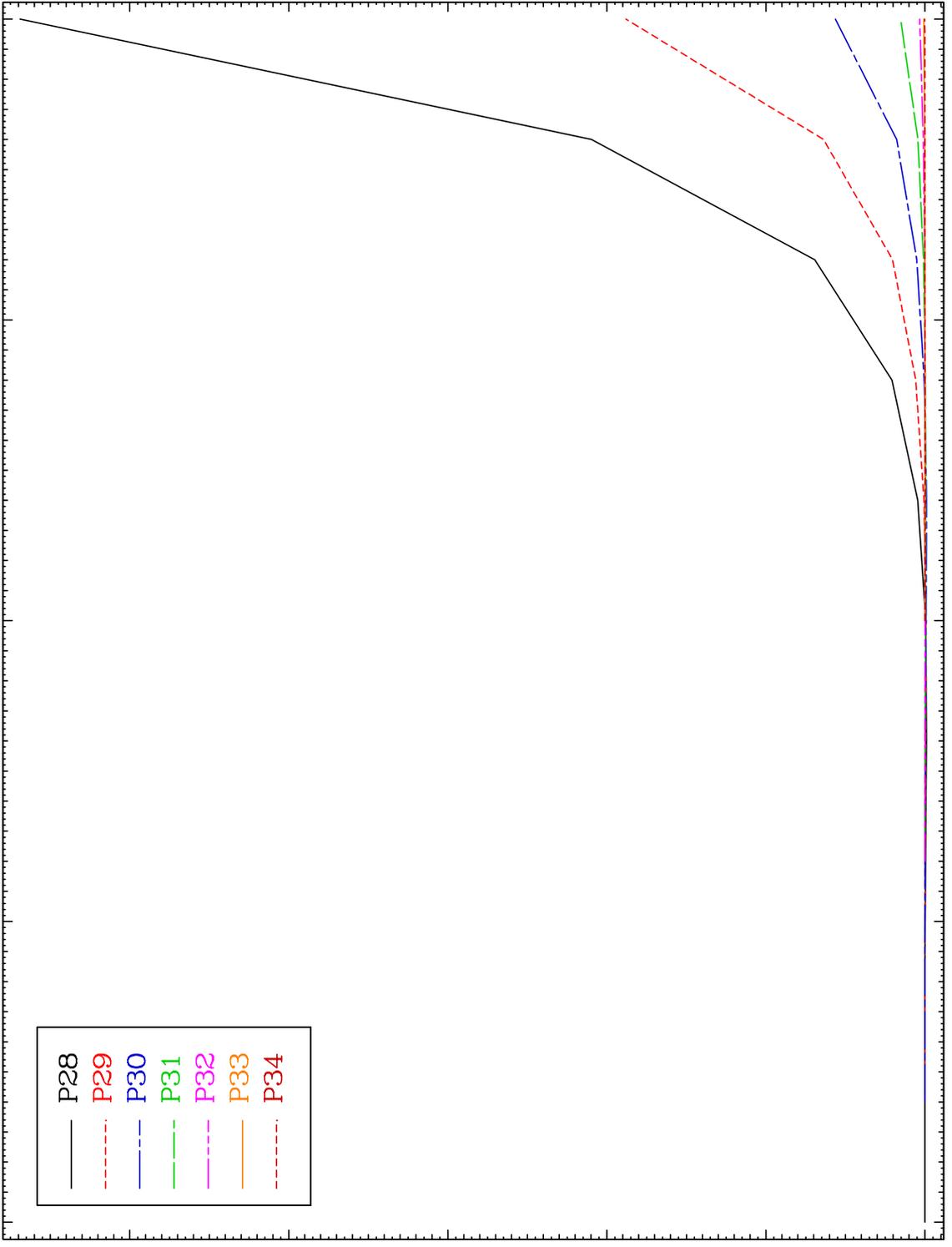
MAT 8510

Elastic Legendre Coefficients

85-At-198



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



30

25

20

15

10

Incident Energy (MeV)

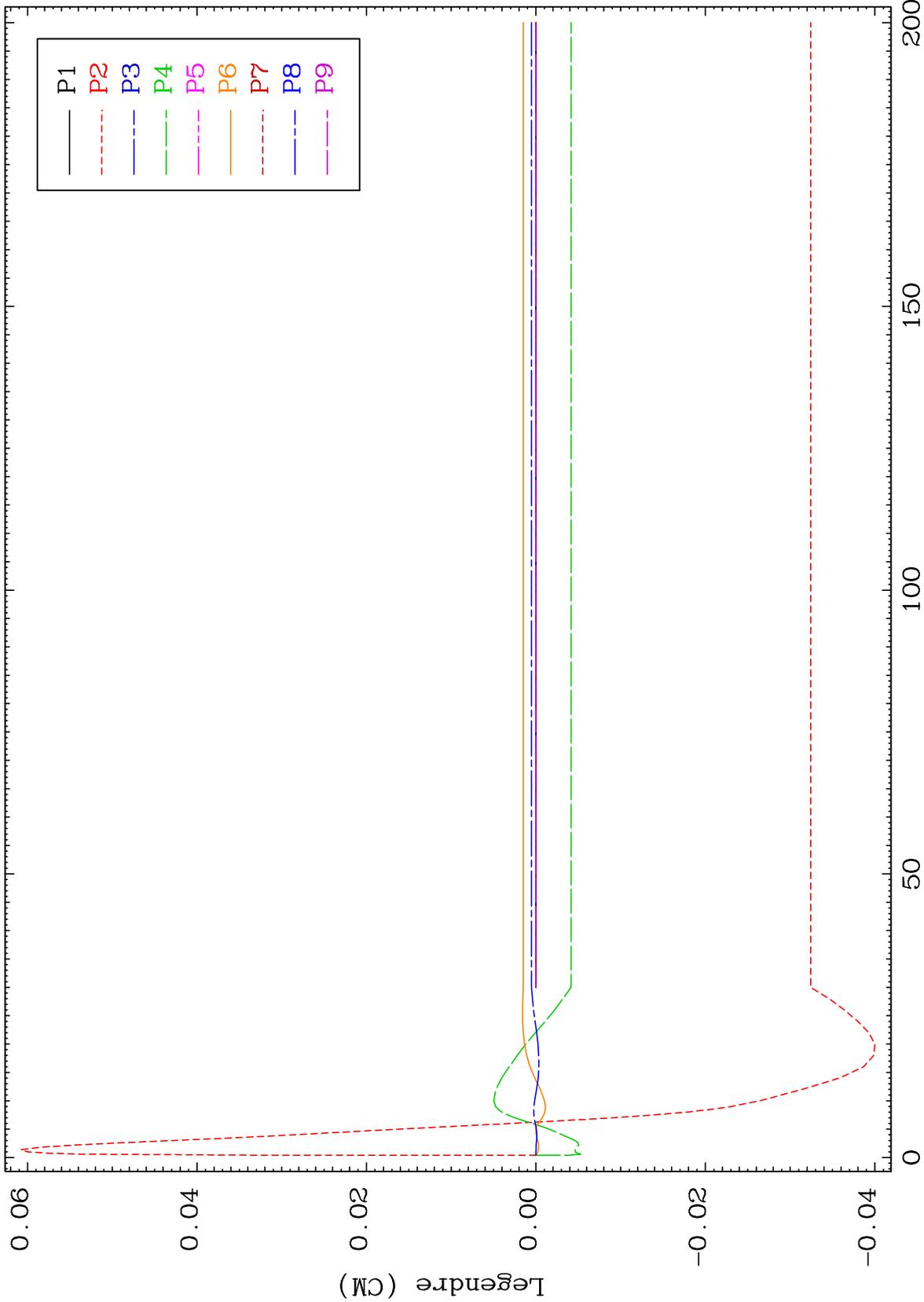
85-At-198

18

MAT 8510

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

85-At-198



19

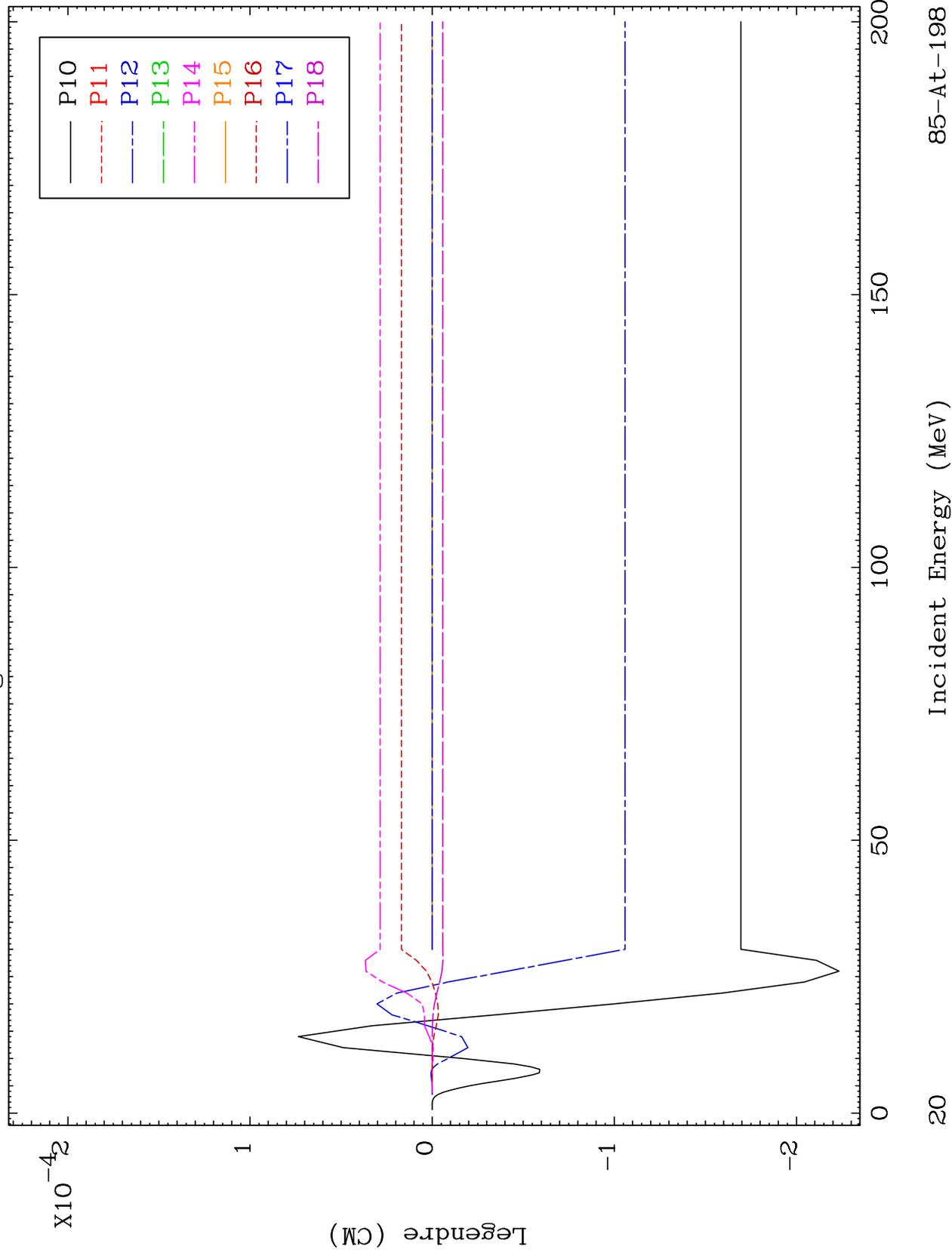
Incident Energy (MeV)

85-At-198

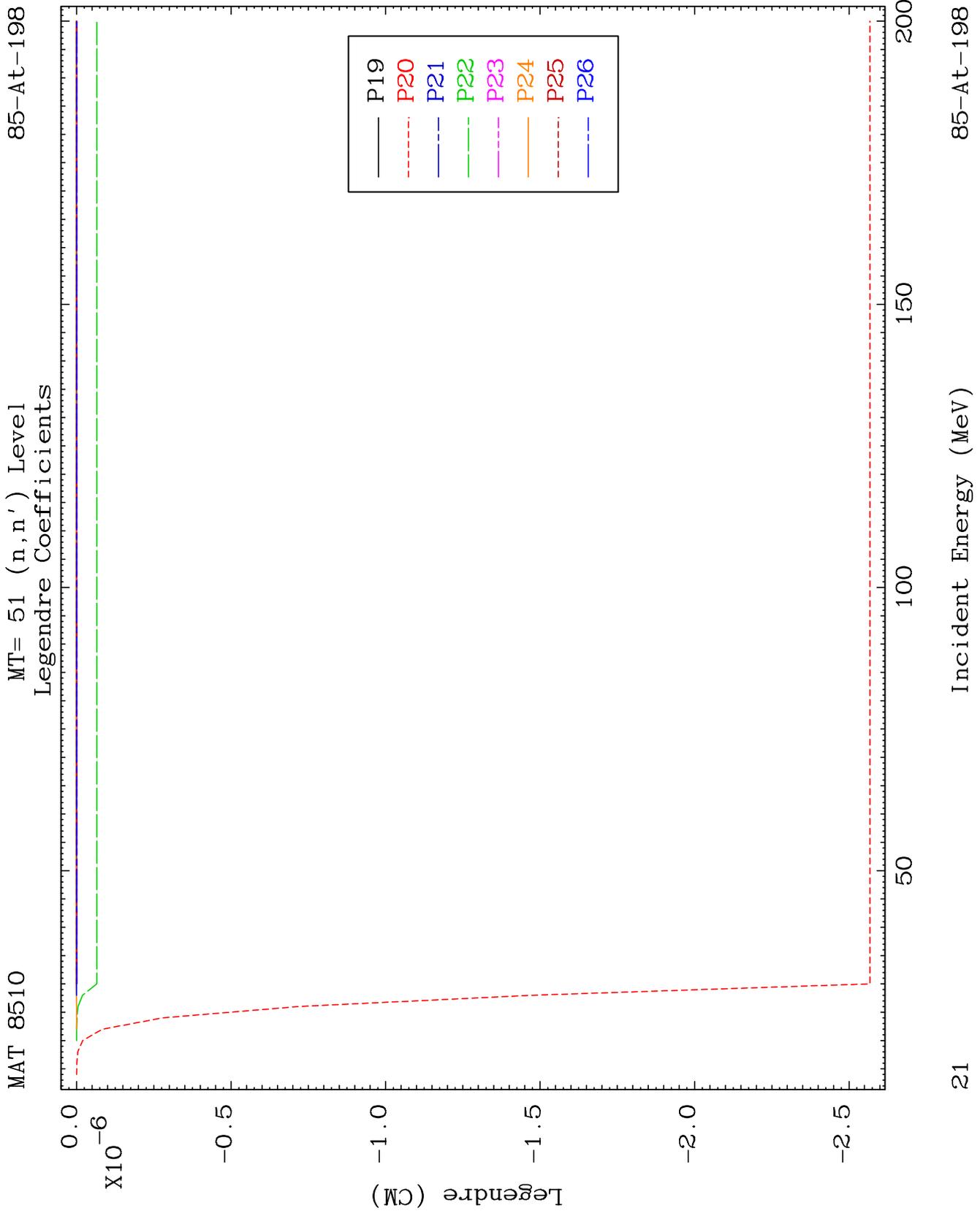
MAT 8510

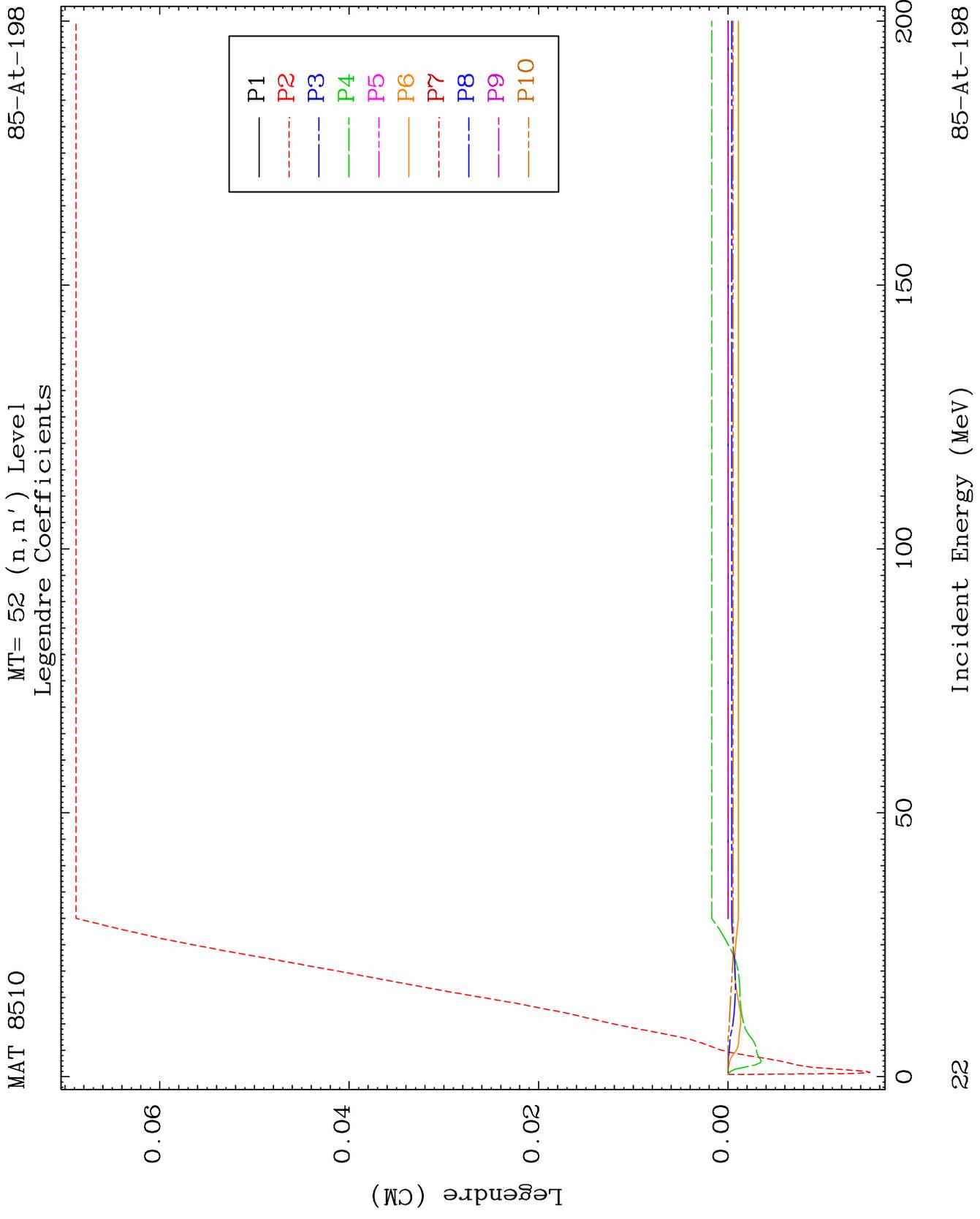
MT= 51 (n,n') Level
Legendre Coefficients

85-At-198



85-At-198

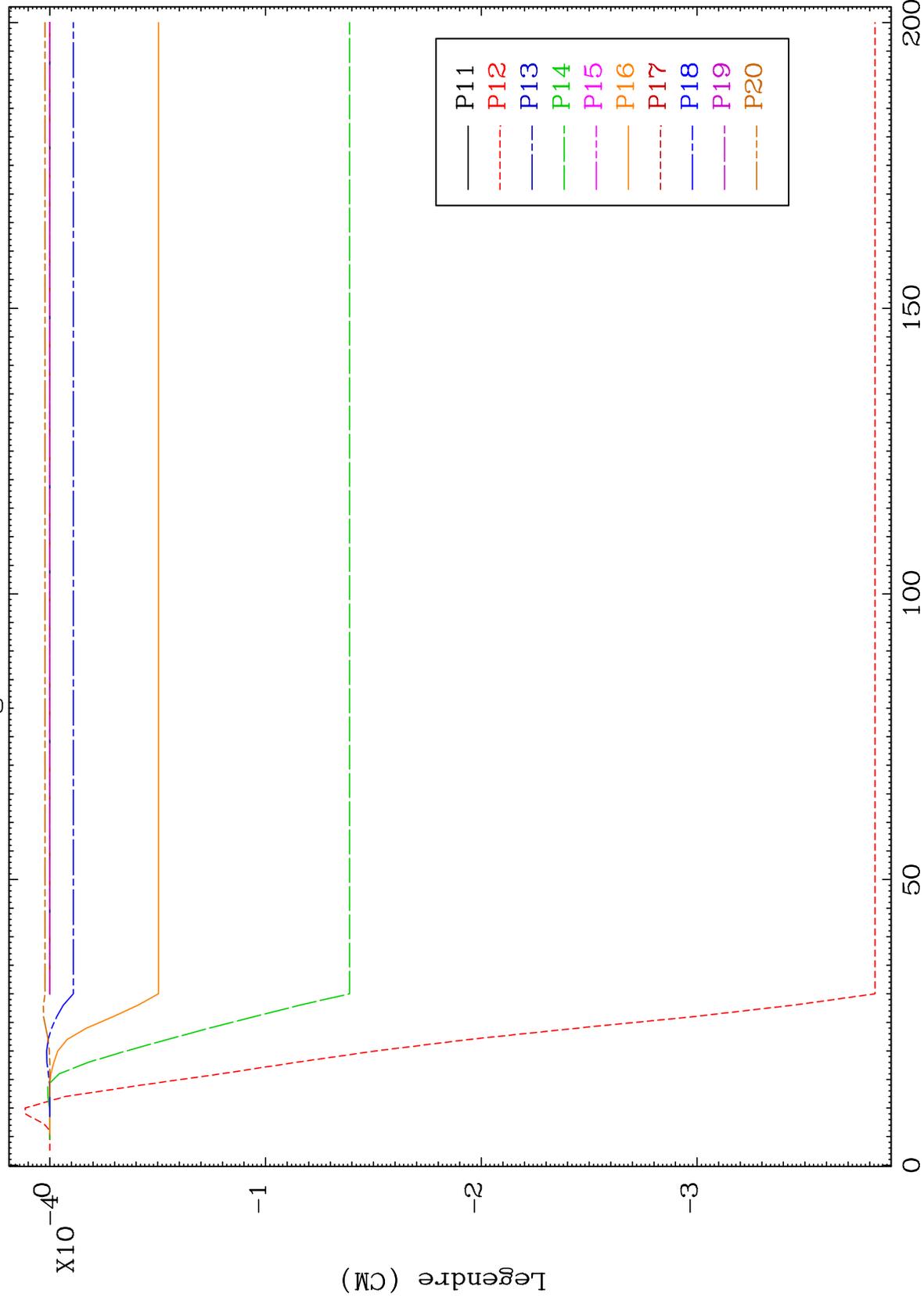




MAT 8510

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

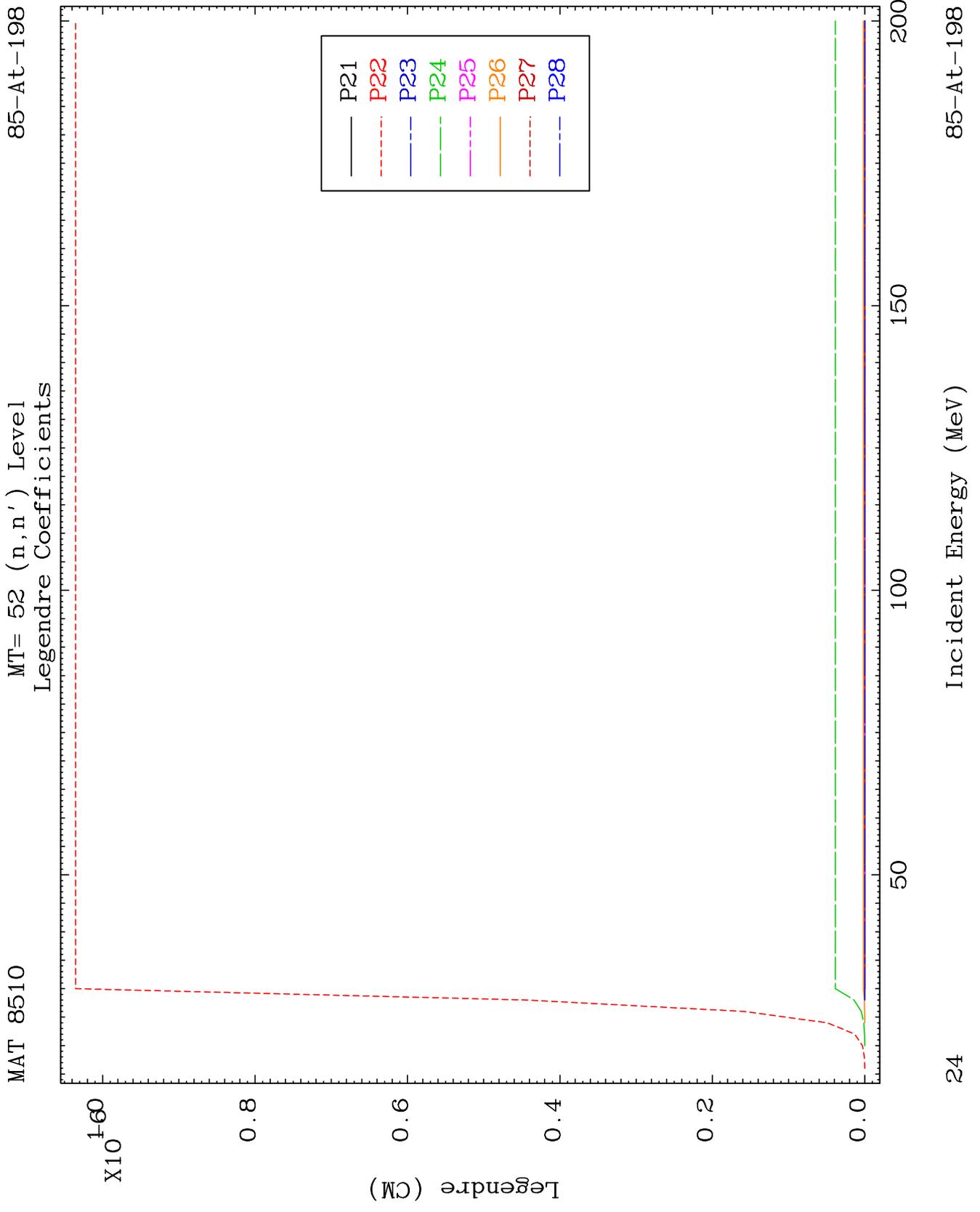
85-At-198



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Incident Energy (MeV)

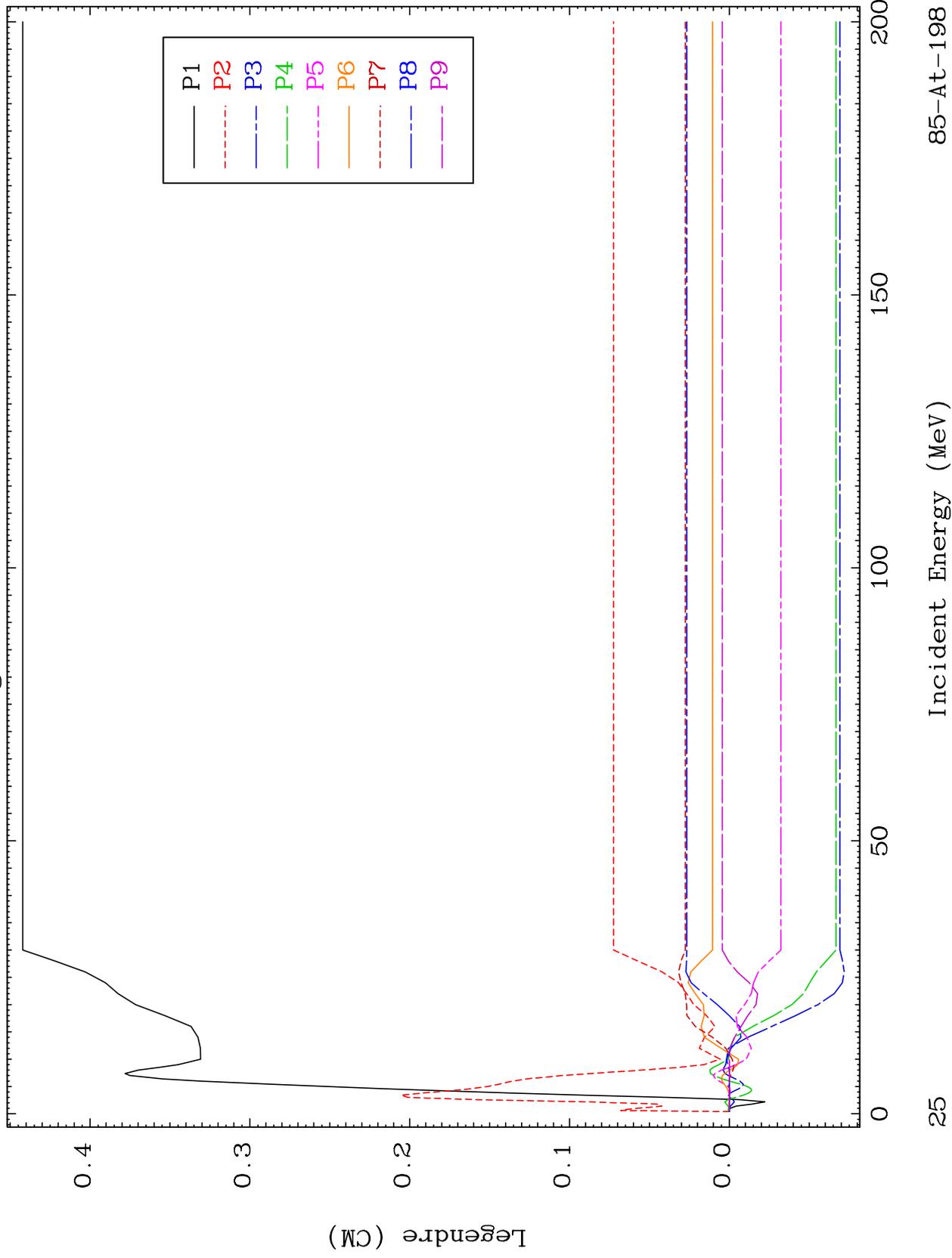
85-At-198



MAT 8510

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

85-At-198



85-At-198

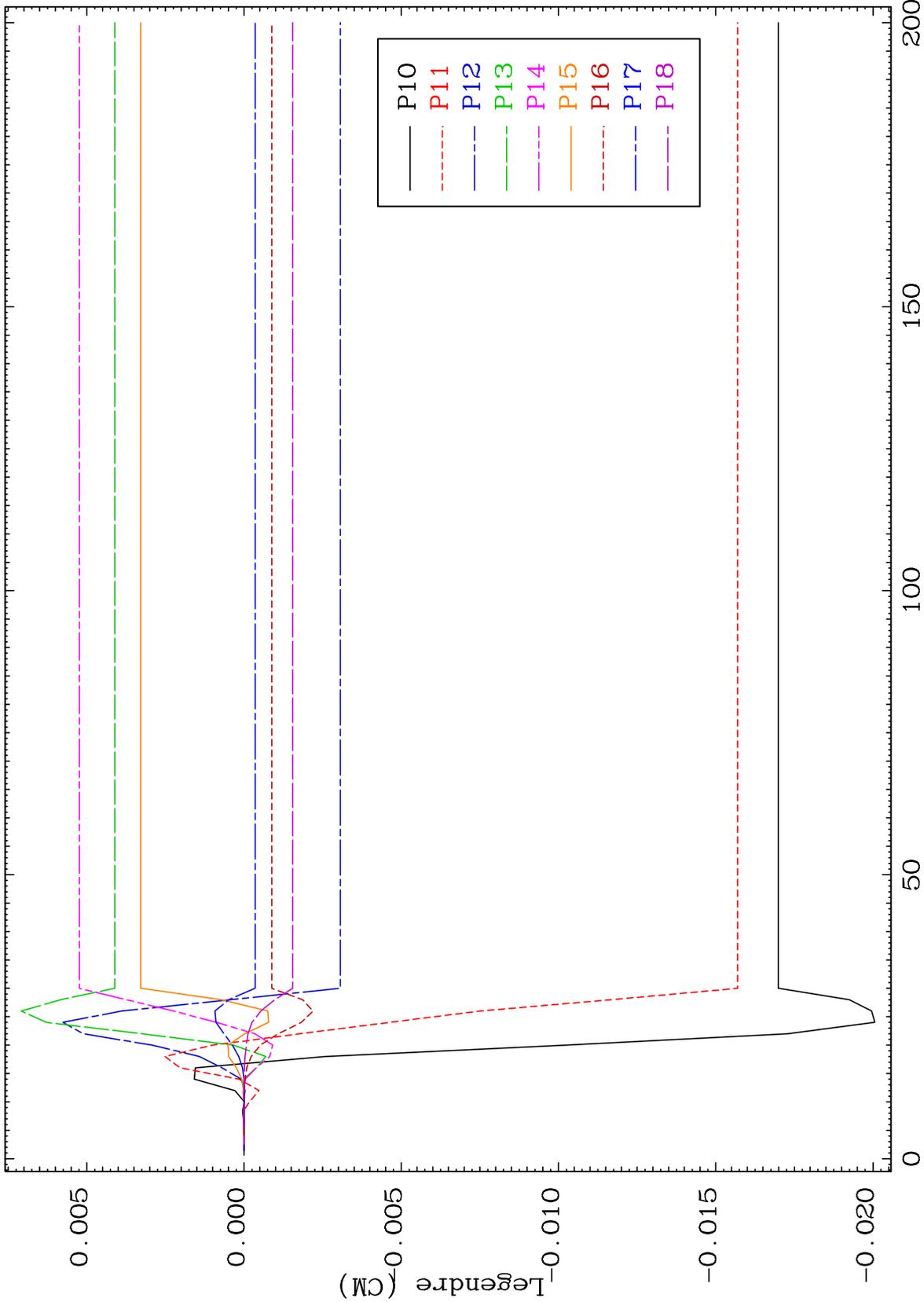
Incident Energy (MeV)

25

MAT 8510

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

85-At-198



26

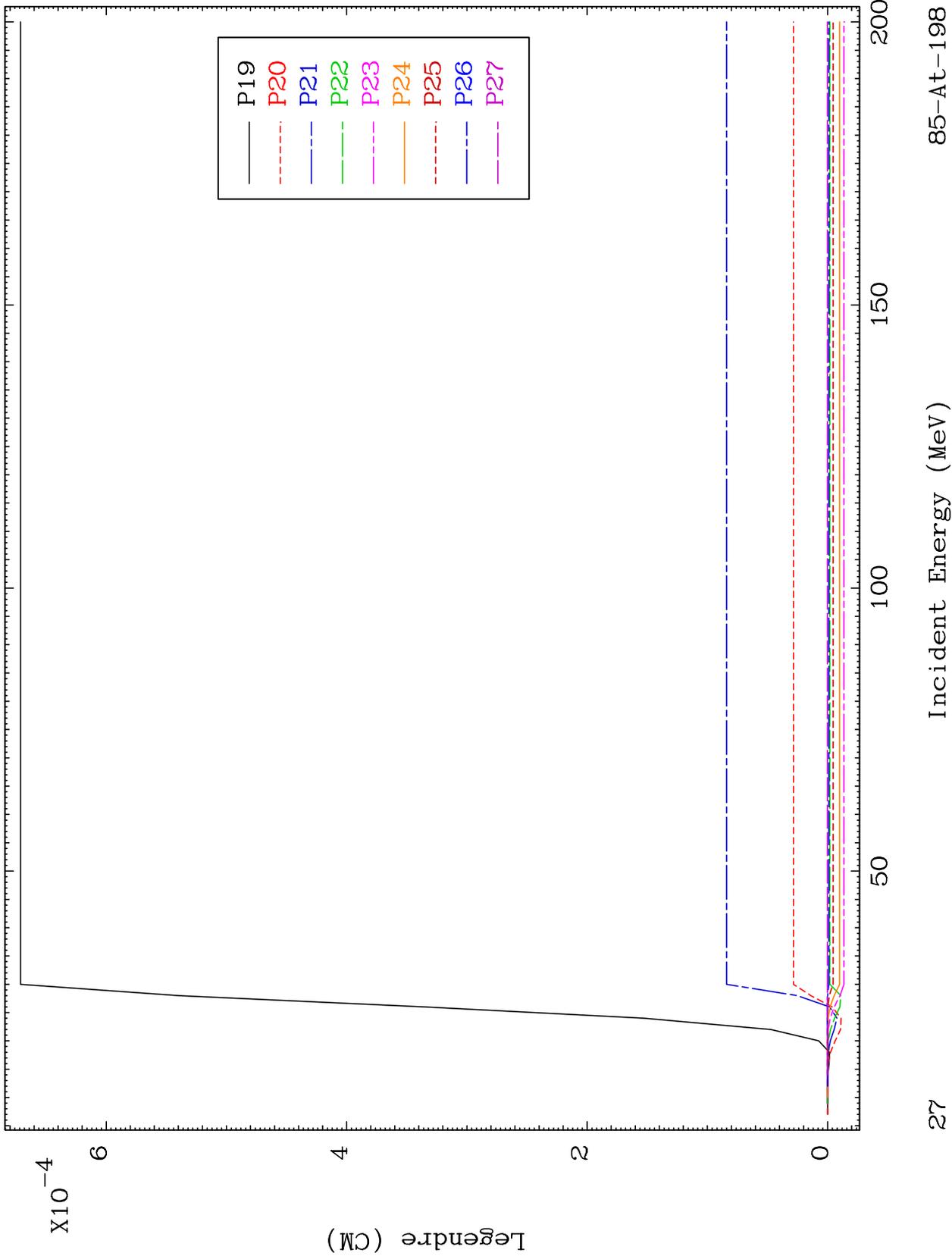
Incident Energy (MeV)

85-At-198

MAT 8510

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

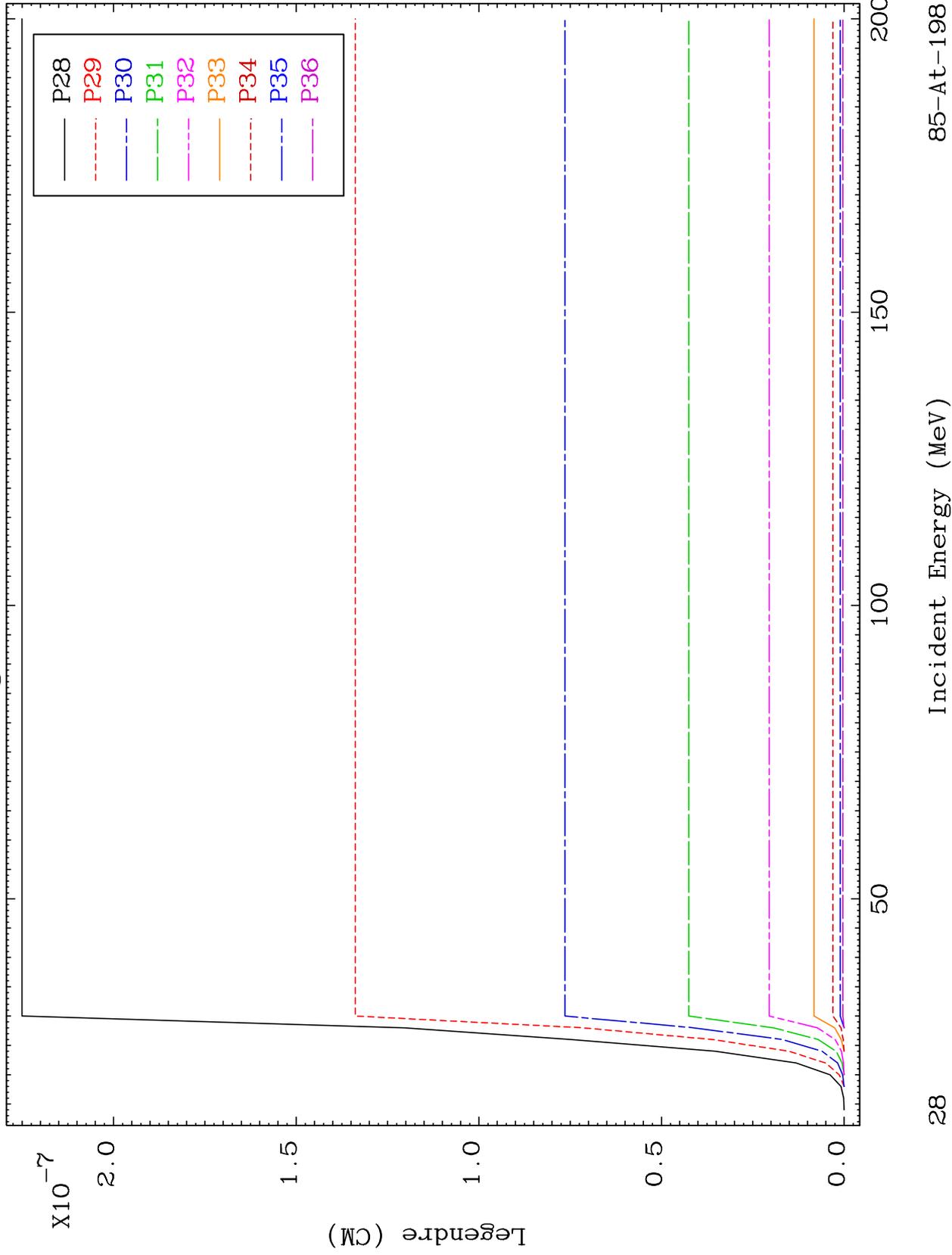
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MAT 8510

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

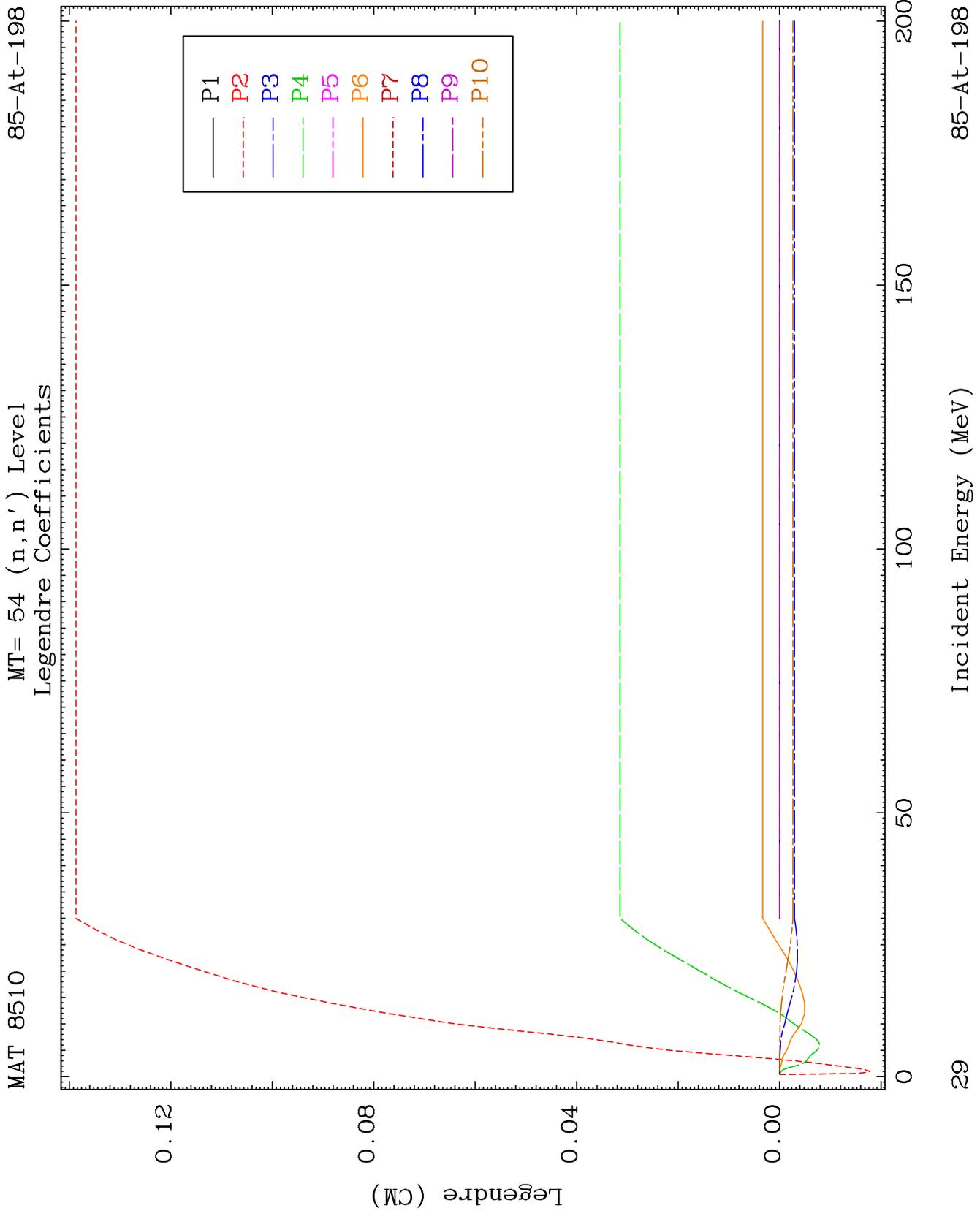
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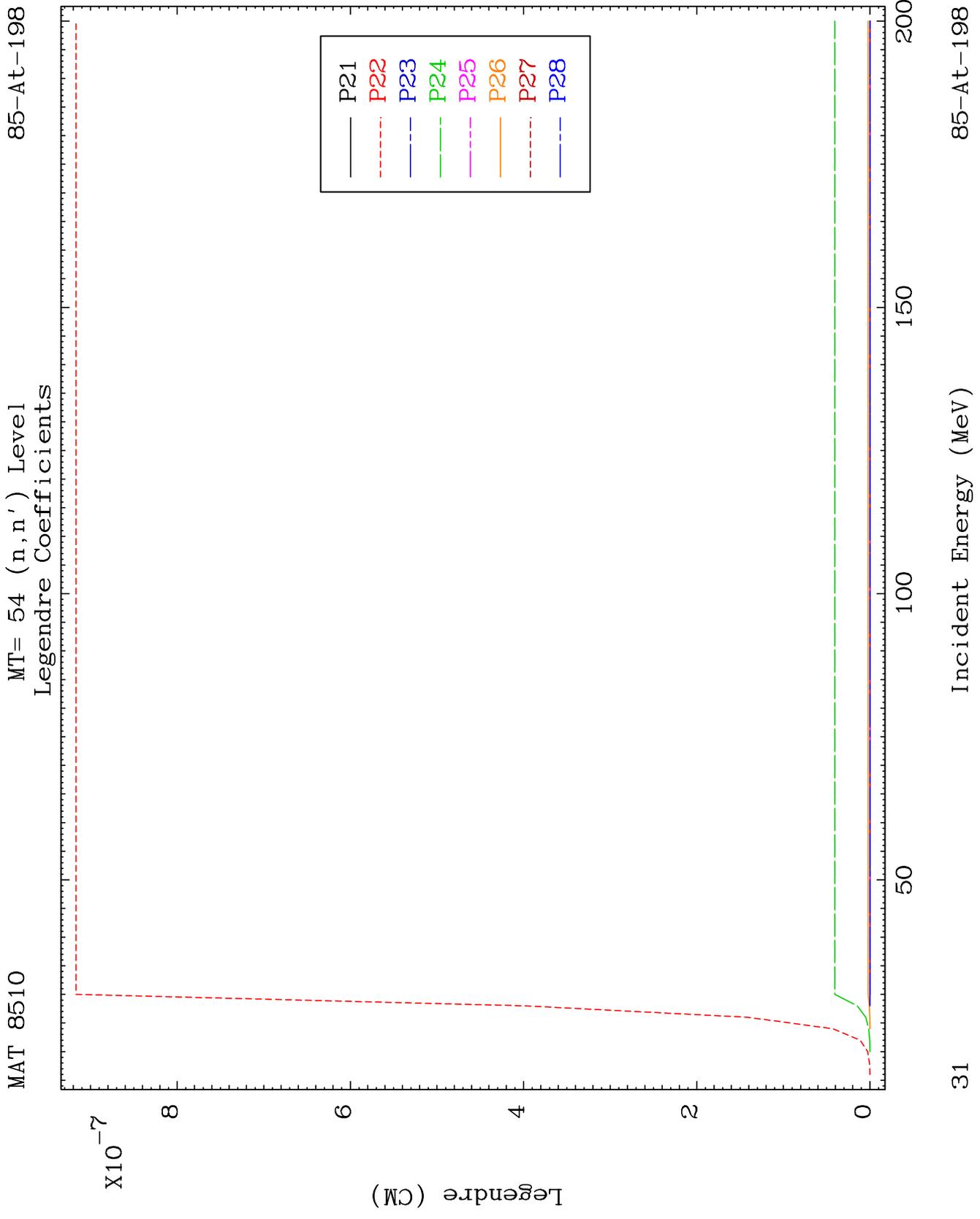


28

Incident Energy (MeV)

85-At-198

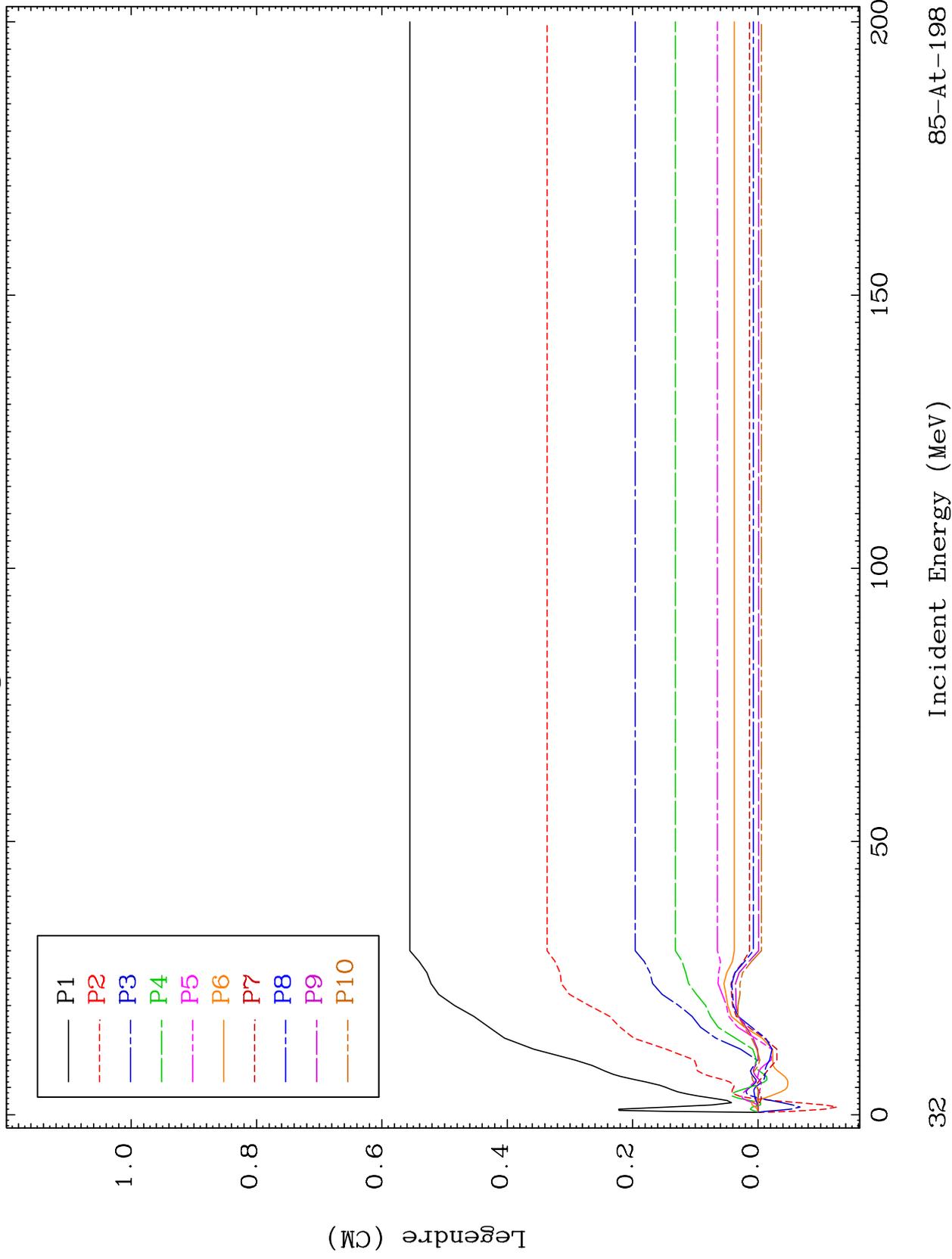




MAT 8510

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

85-At-198

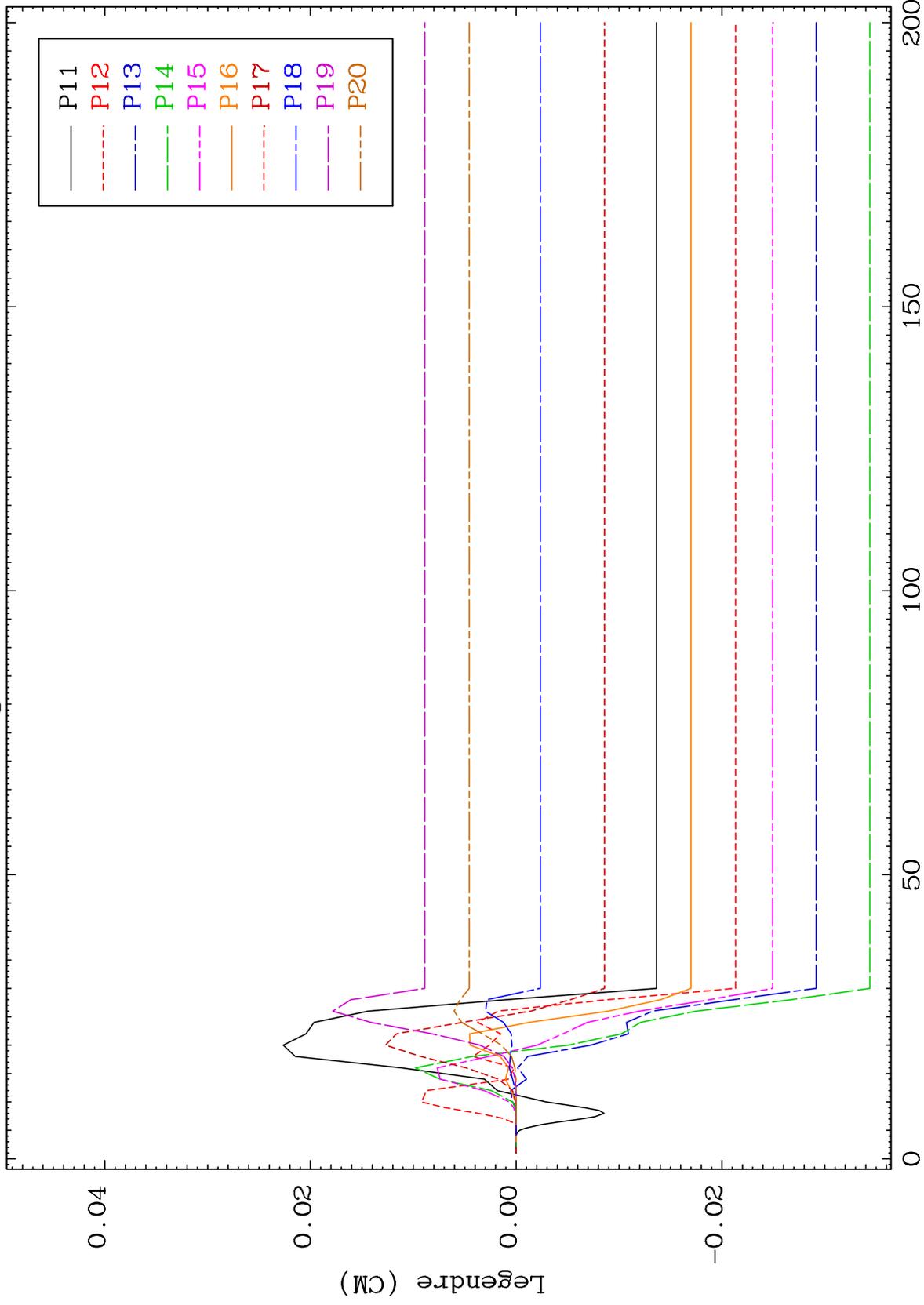


32

MAT 8510

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

85-At-198



33

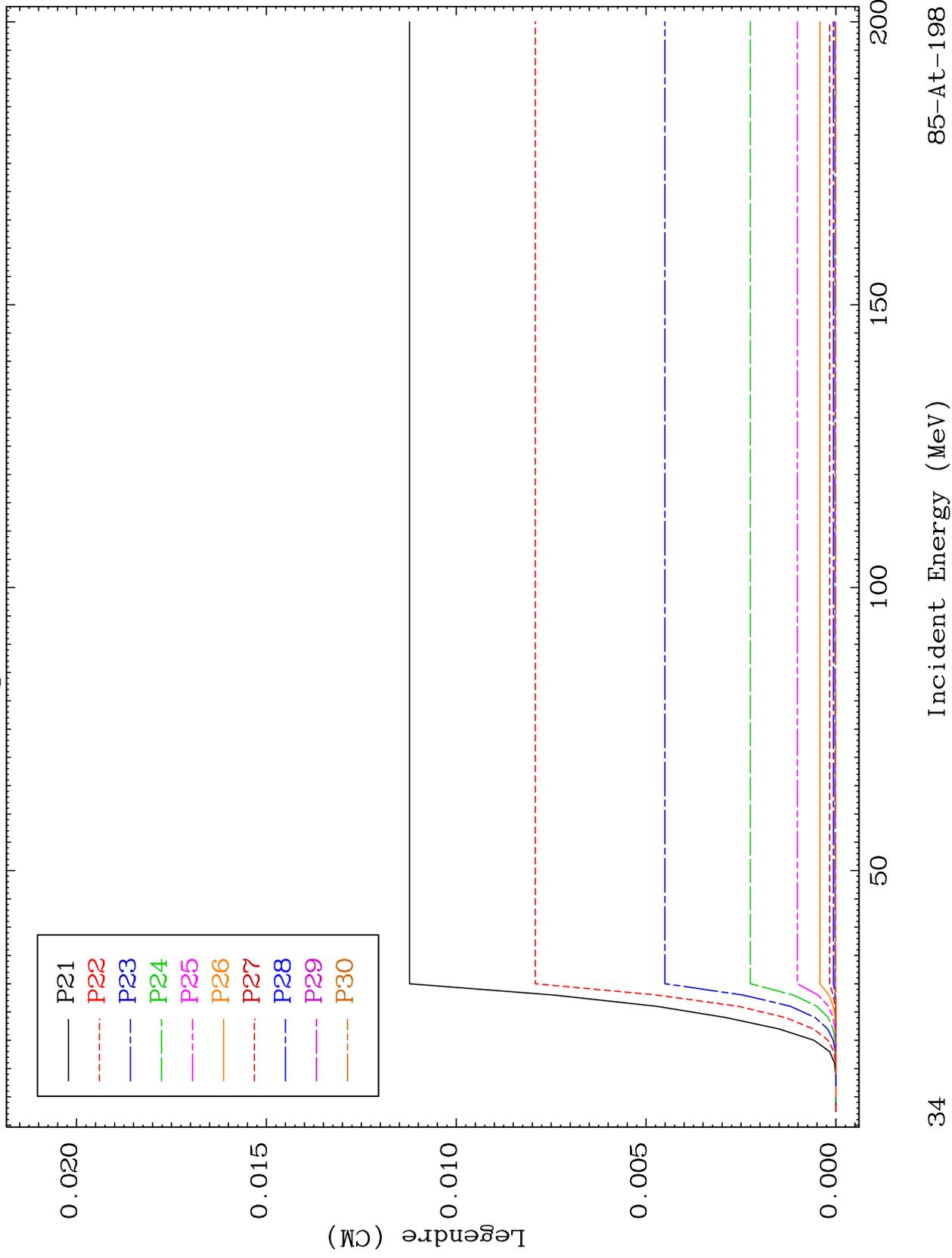
Incident Energy (MeV)

85-At-198

MAT 8510

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

85-At-198



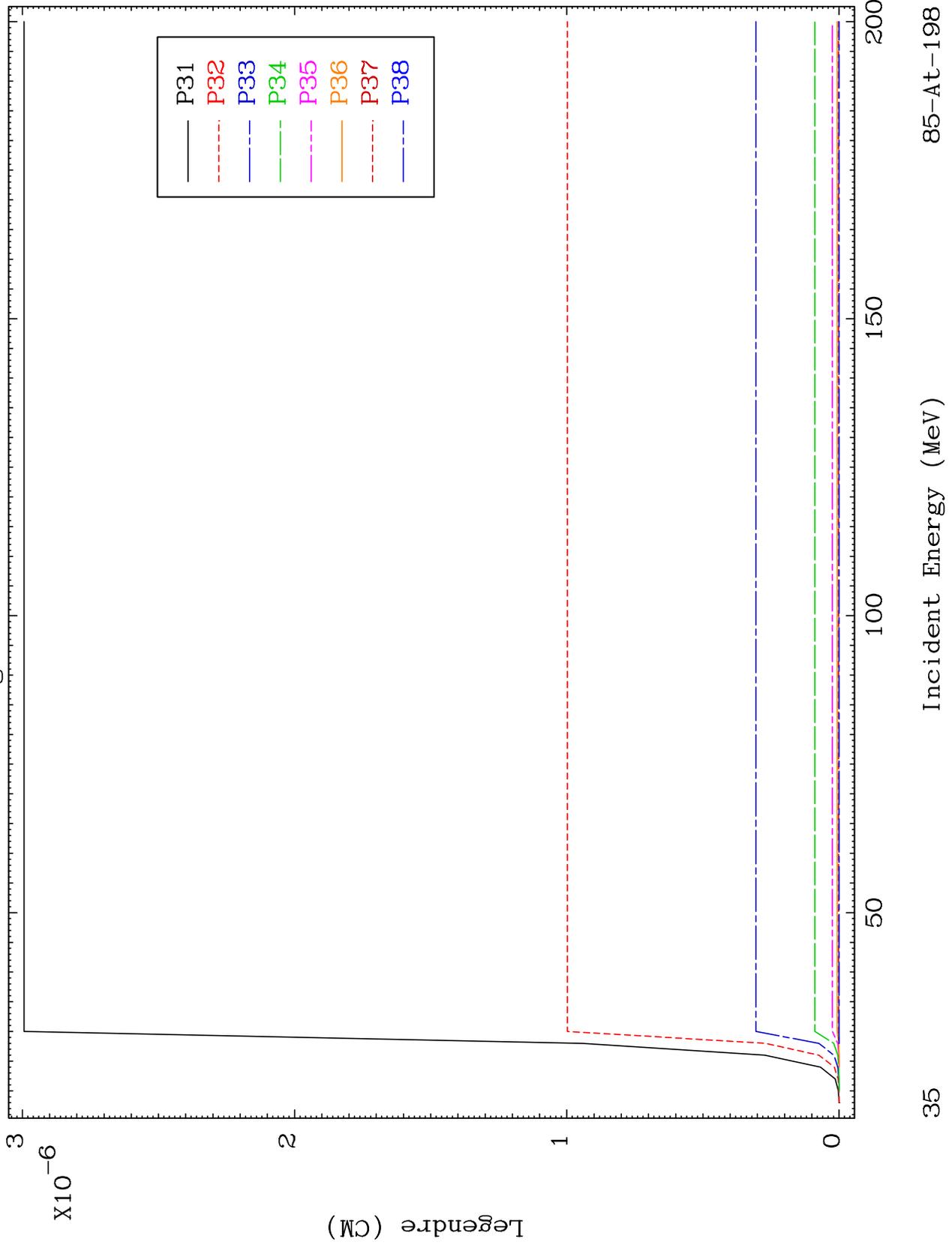
34

85-At-198

MAT 8510

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

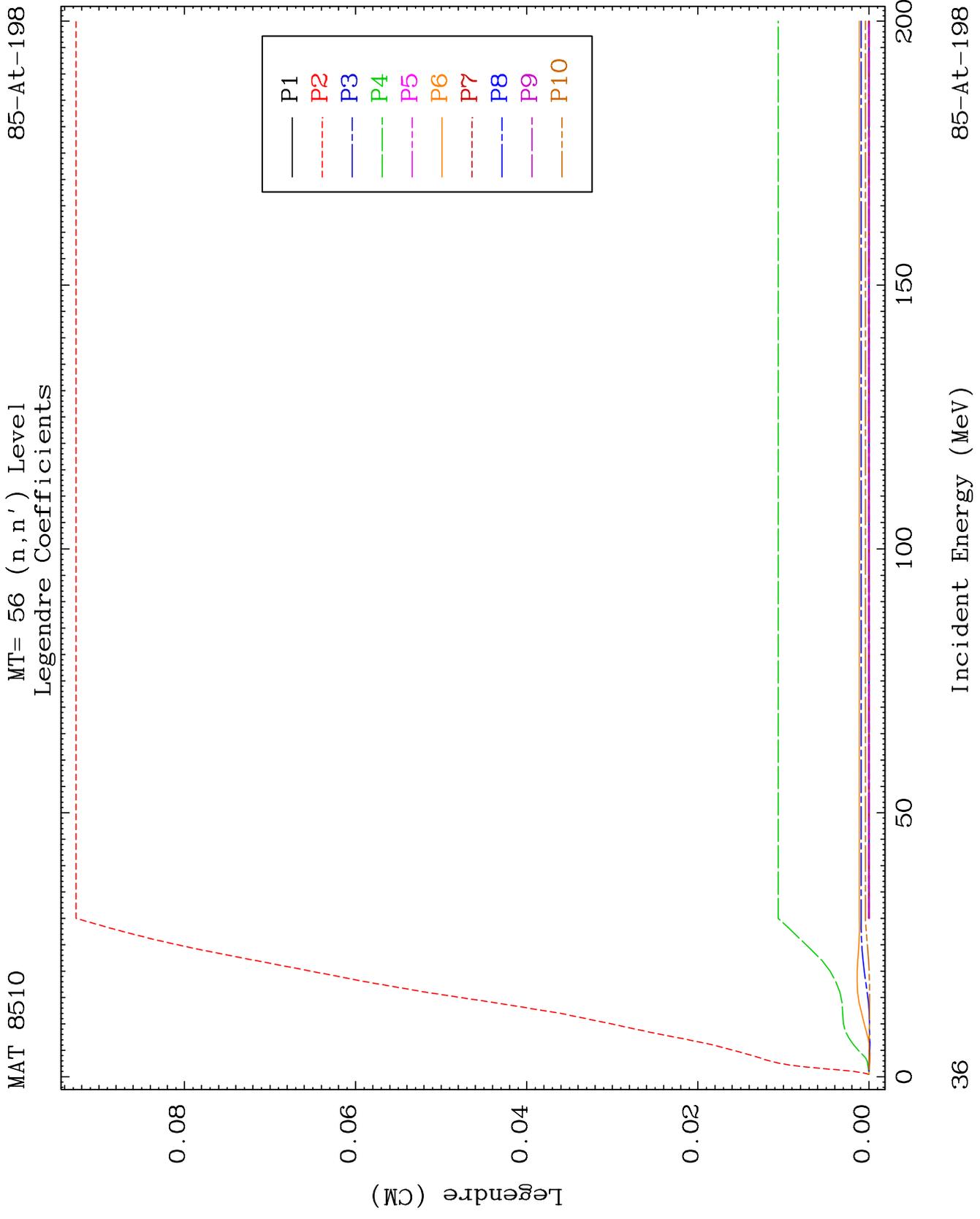
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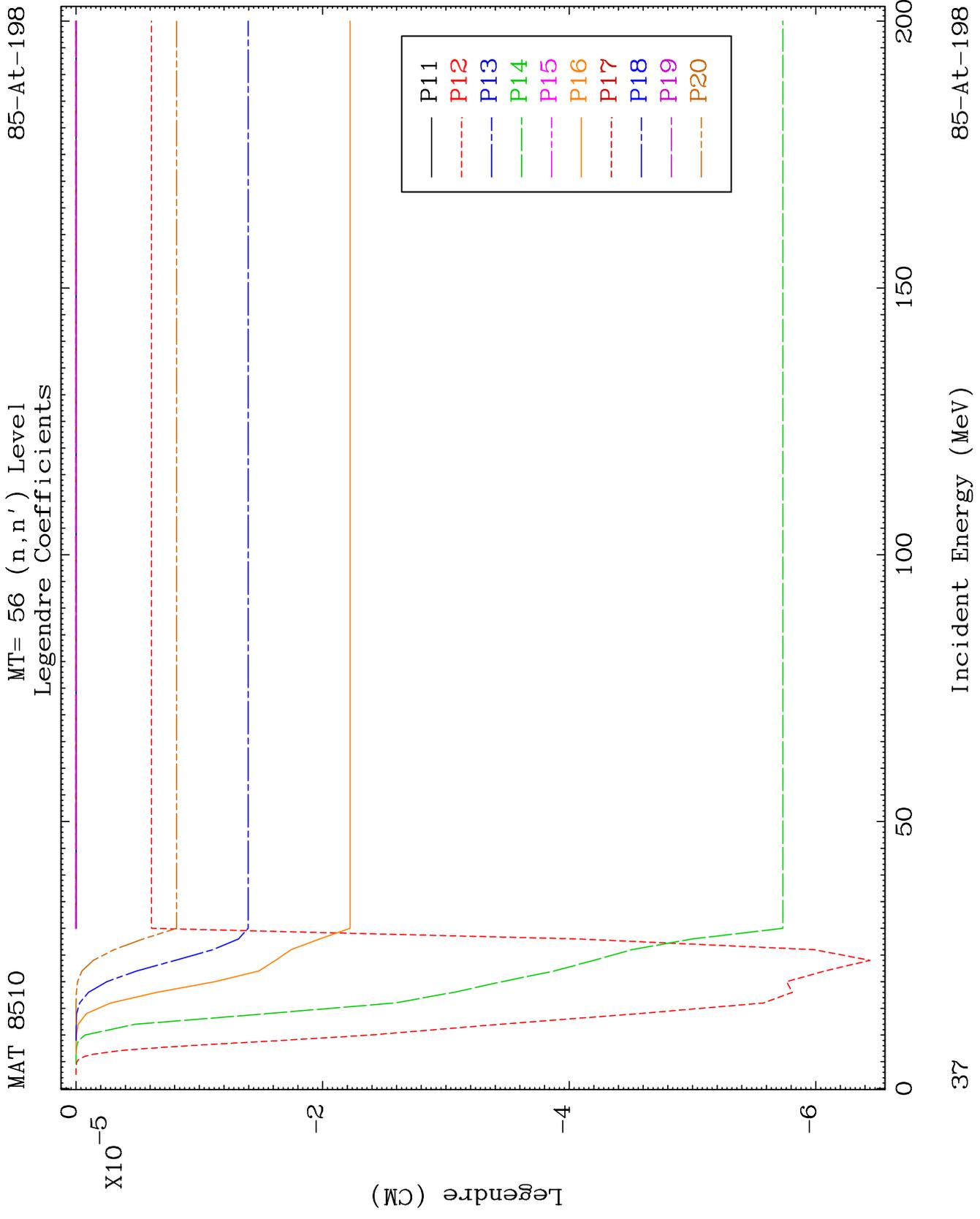


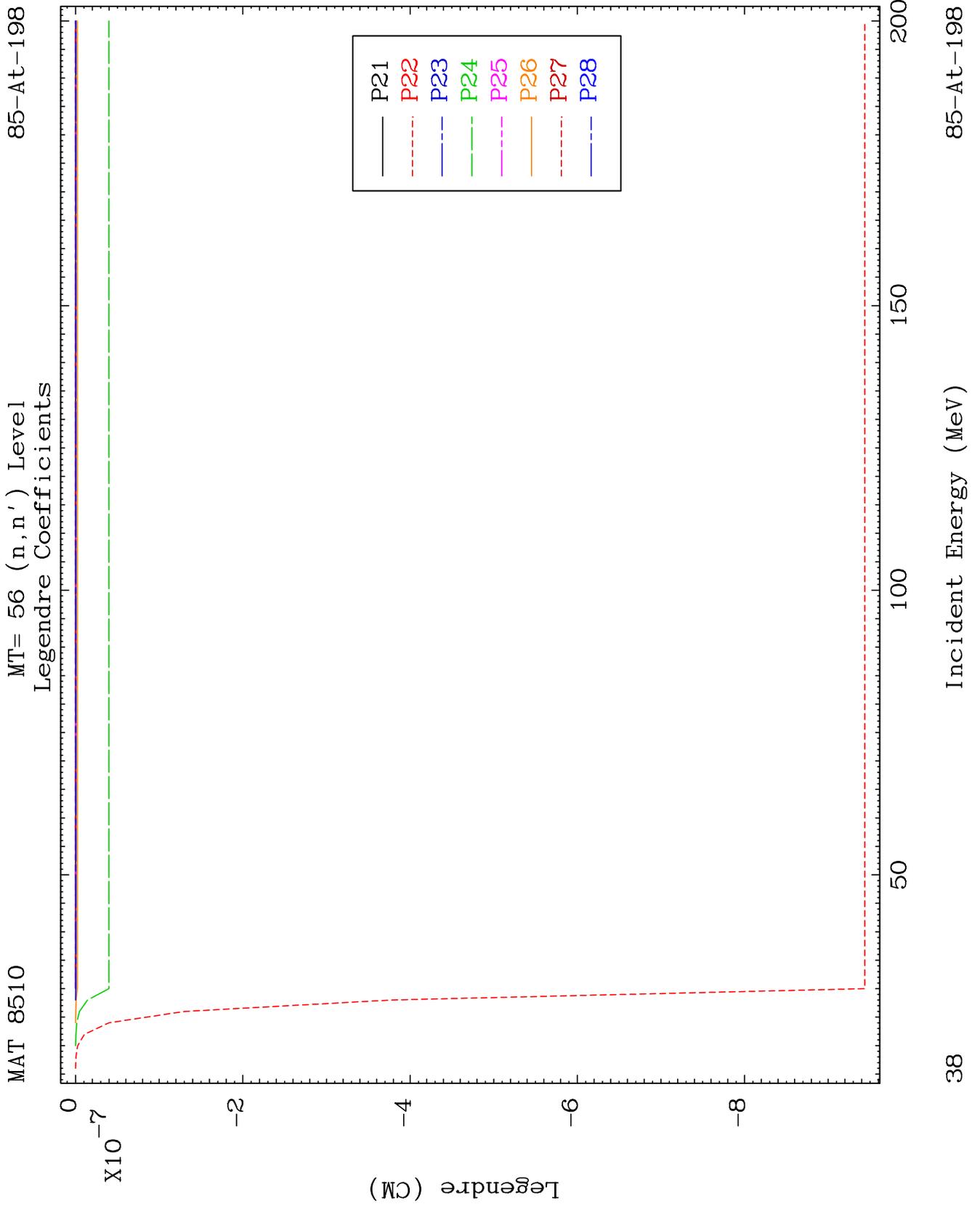
35

Incident Energy (MeV)

85-At-198



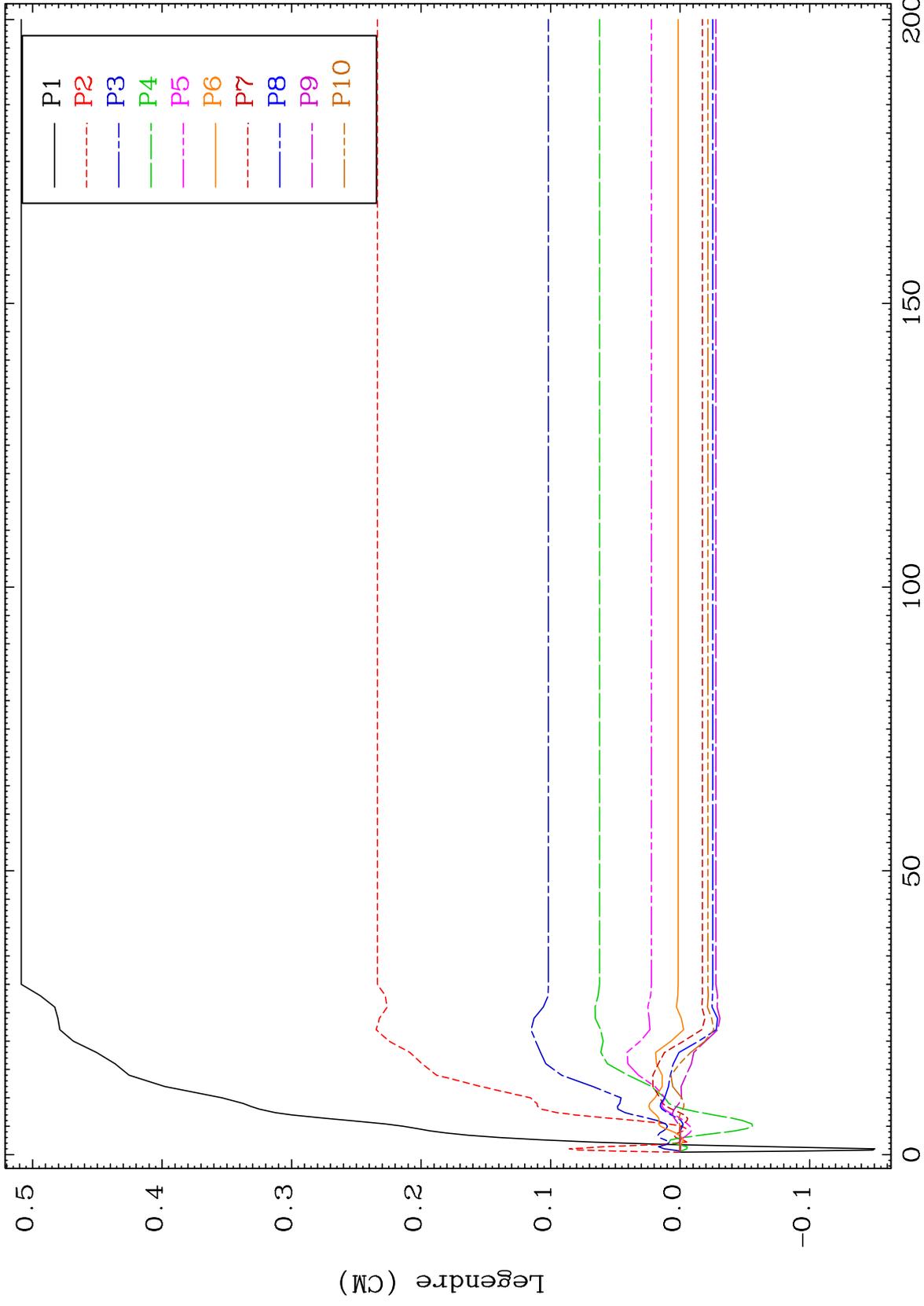




MAT 8510

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

85-At-198



39

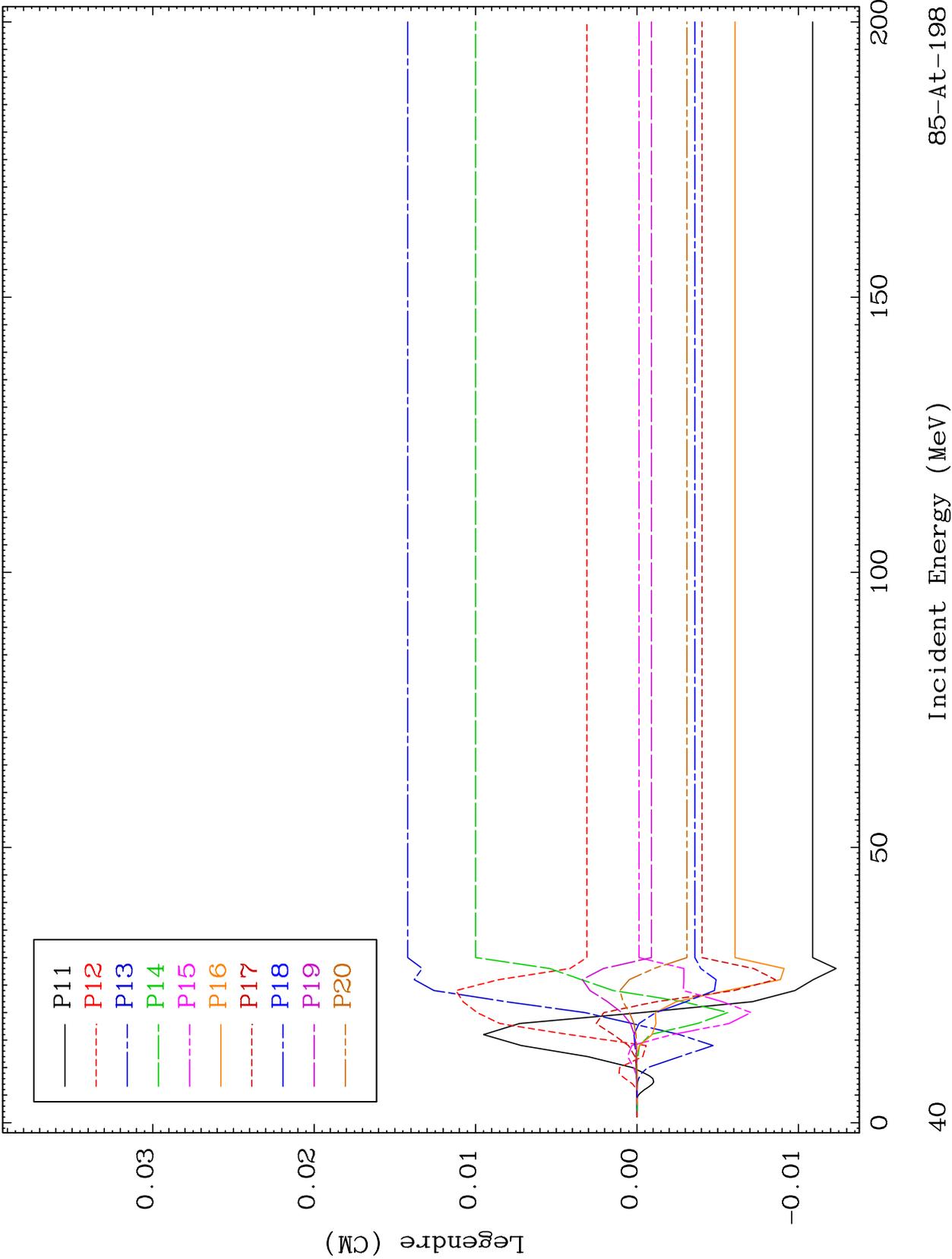
Incident Energy (MeV)

85-At-198

MAT 8510

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

85-At-198



85-At-198

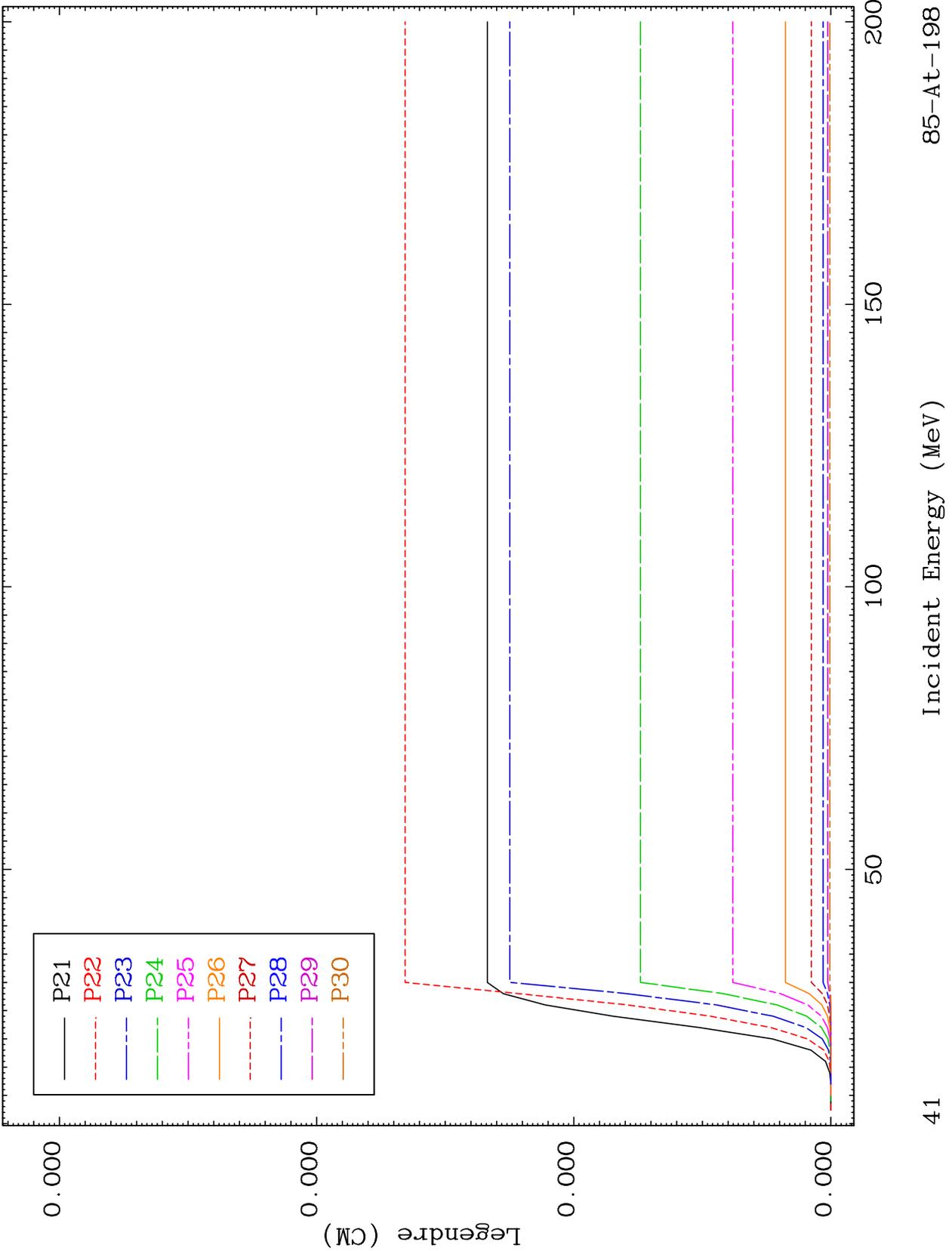
Incident Energy (MeV)

40

MAT 8510

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

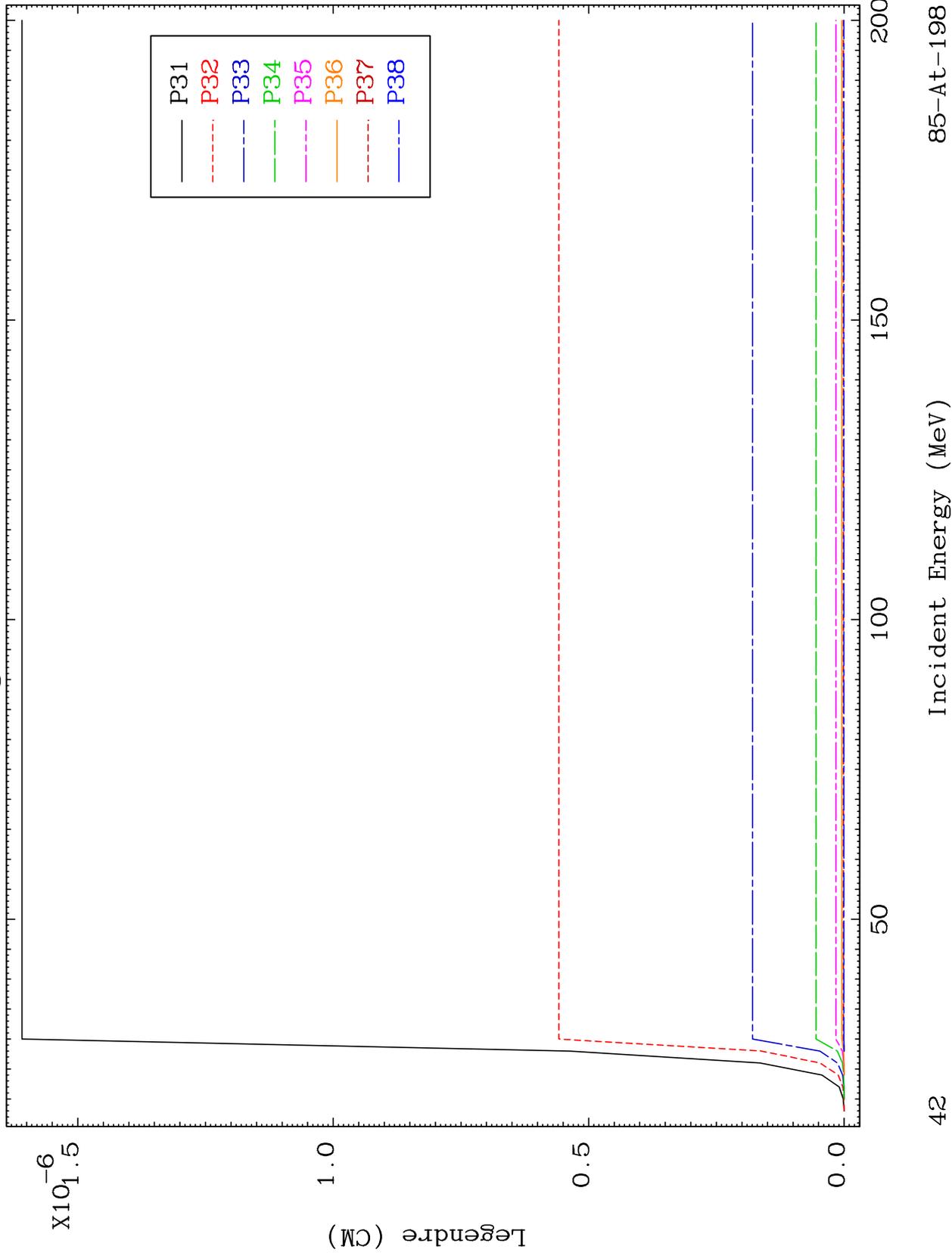
85-At-198



MAT 8510

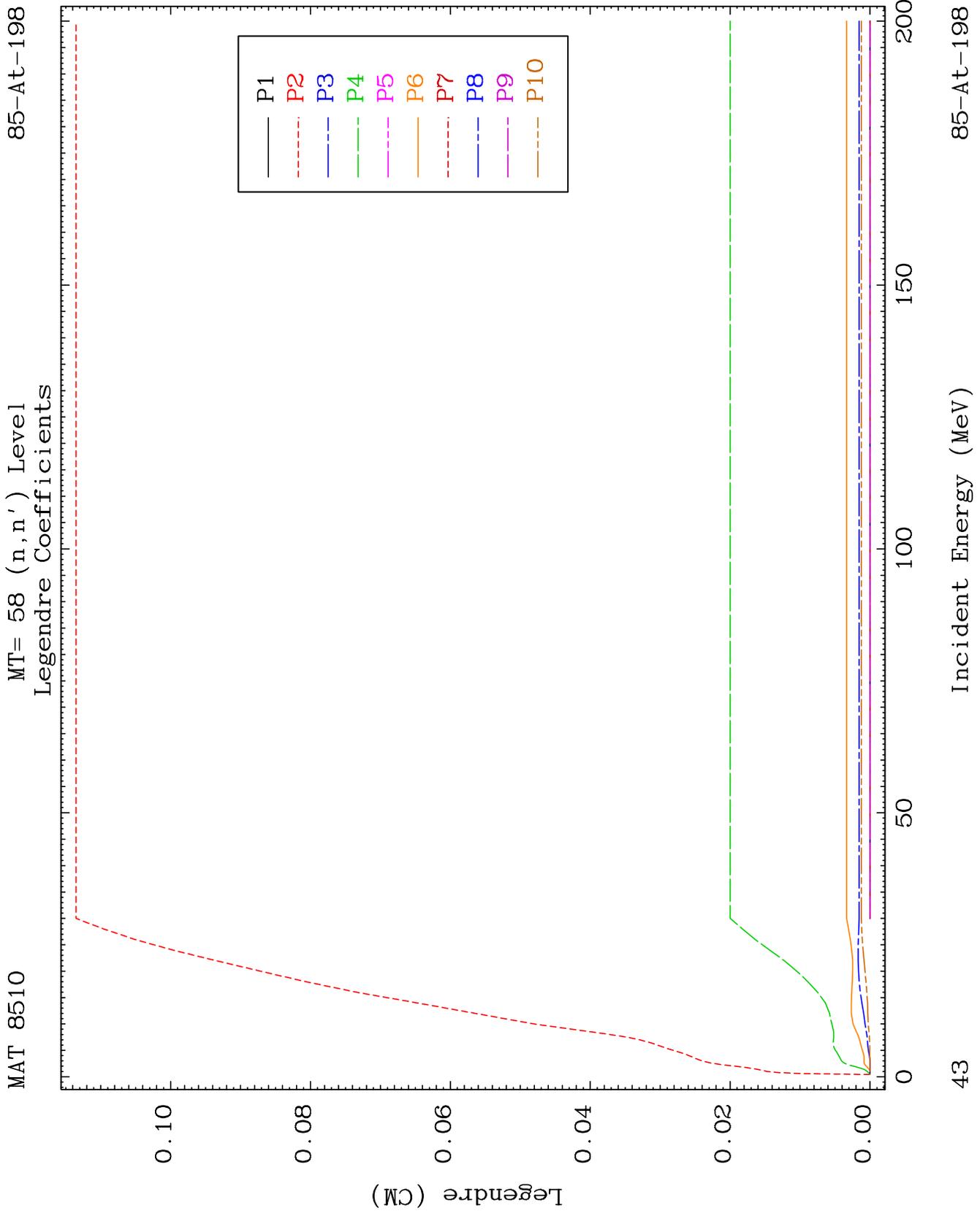
MT= 57 (n,n') Level
Legendre Coefficients

85-At-198



42

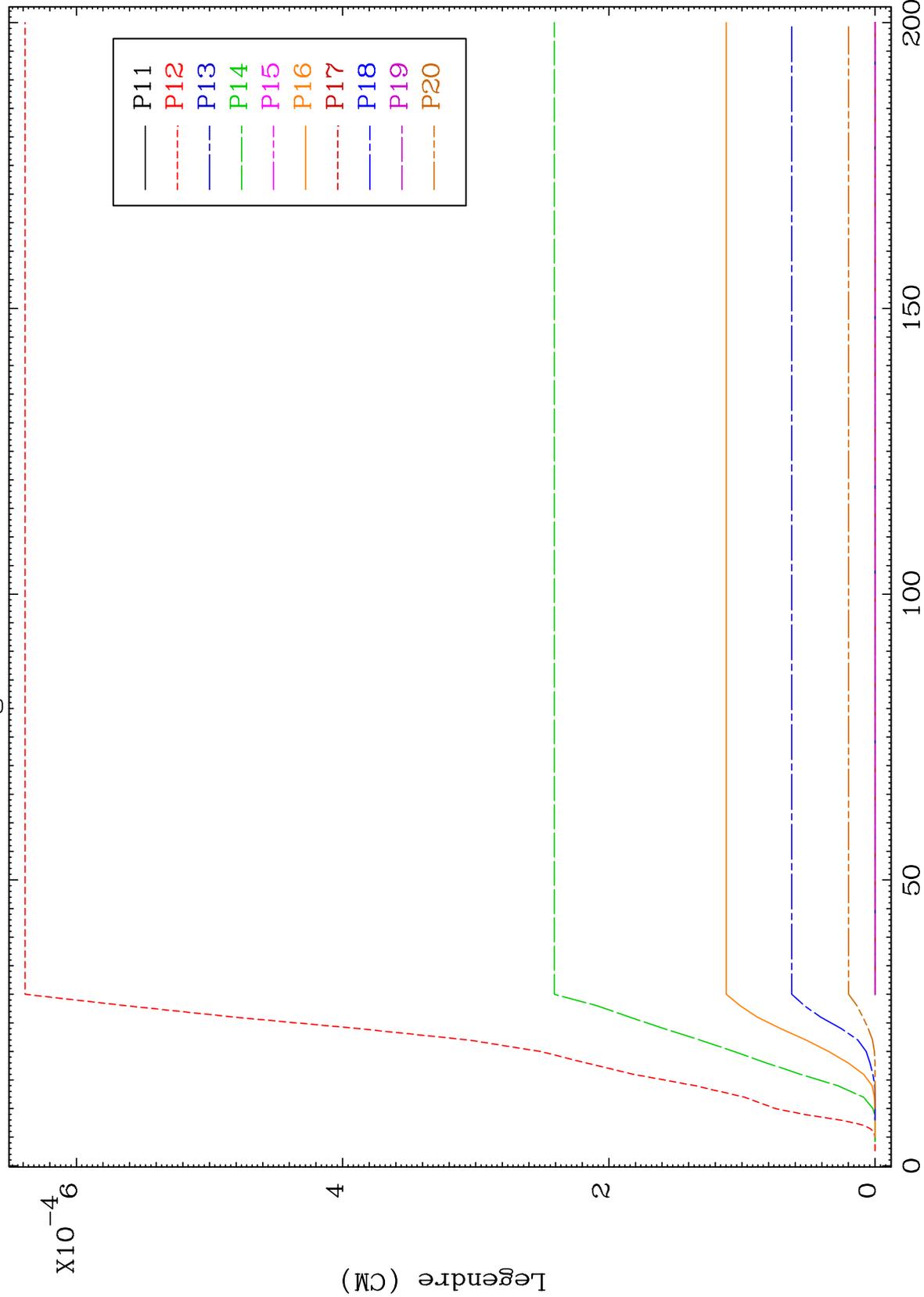
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MAT 8510

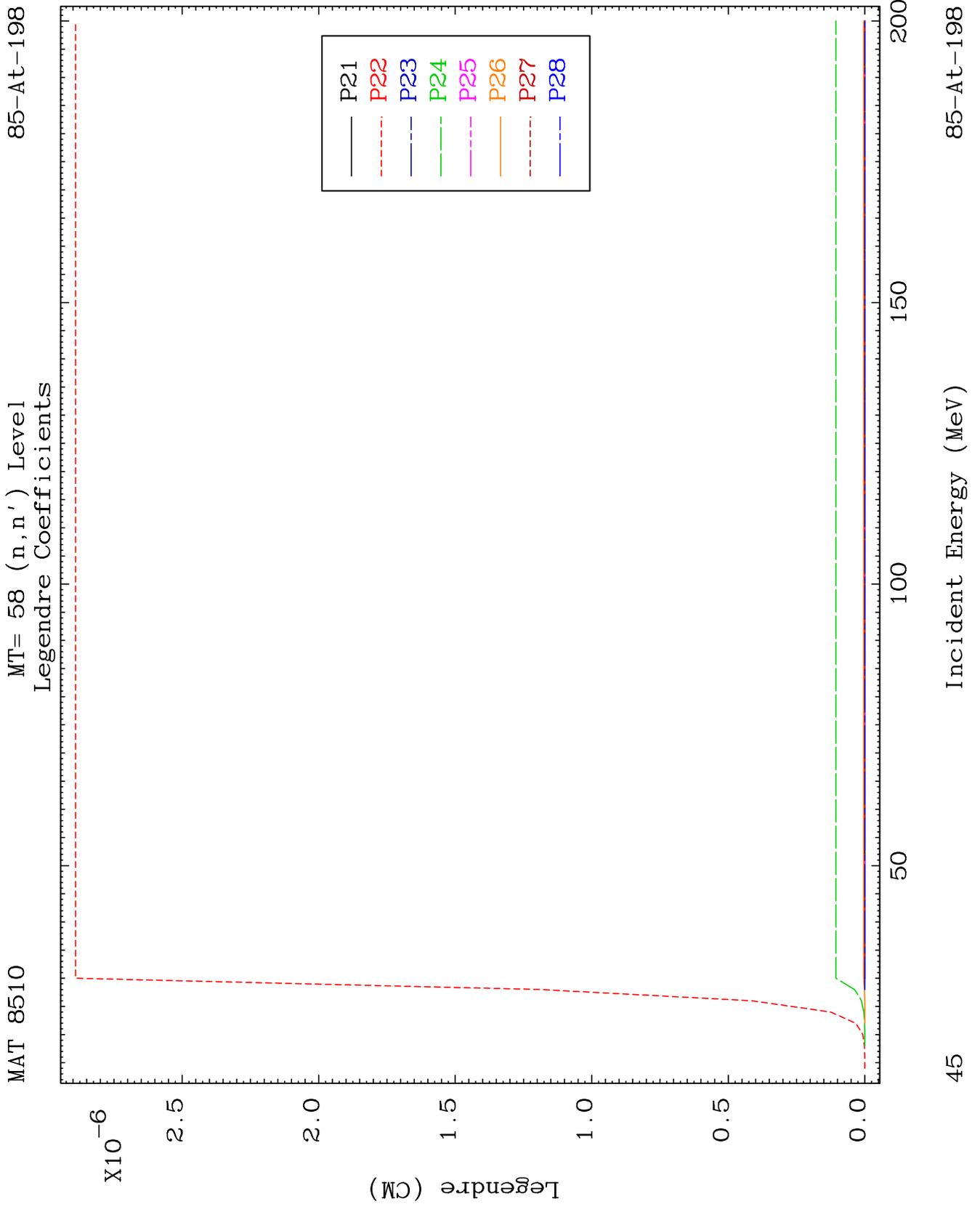
MT= 58 (n,n') Level
Legendre Coefficients

85-At-198



44

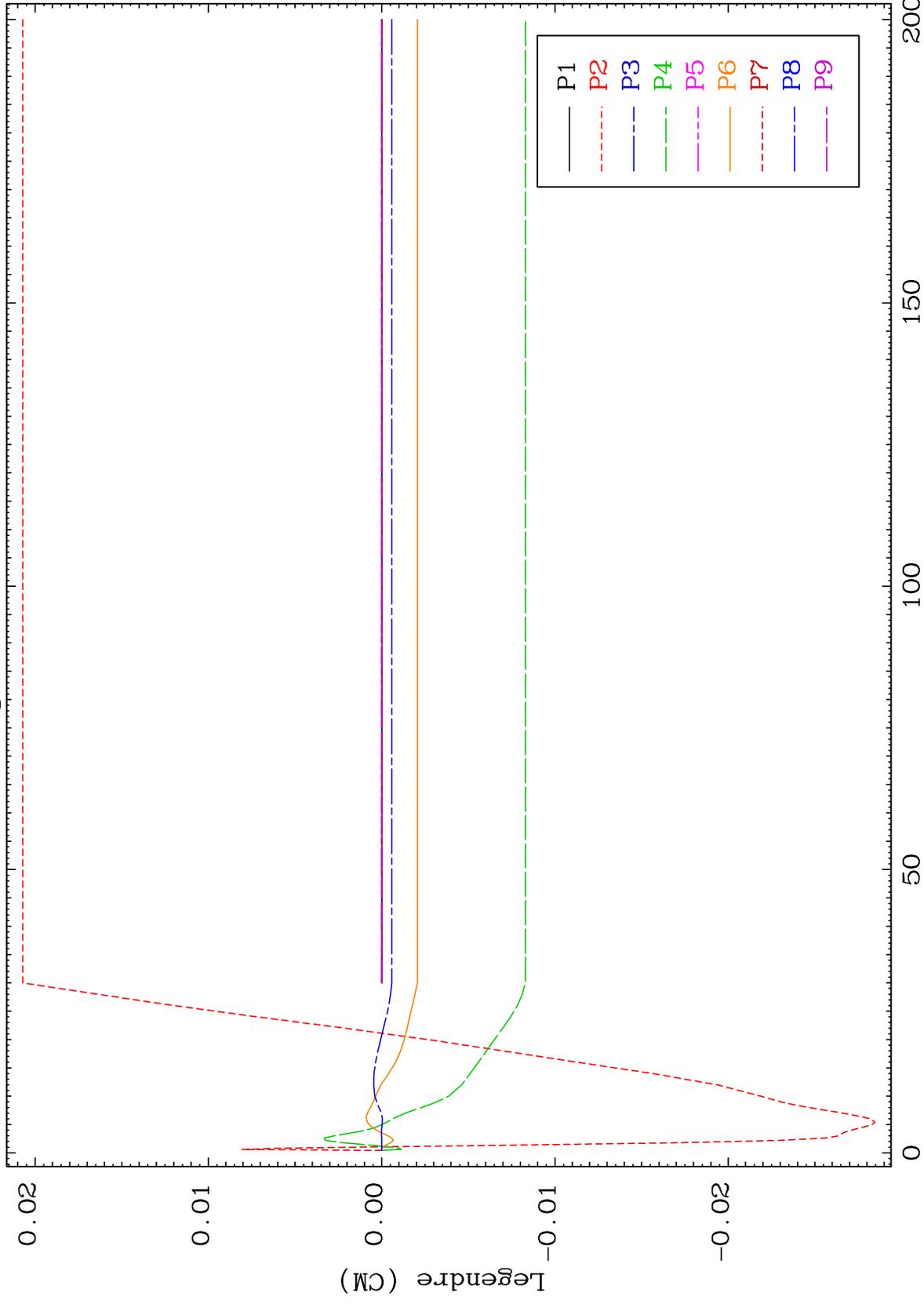
85-At-198



MAT 8510

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

85-At-198



46

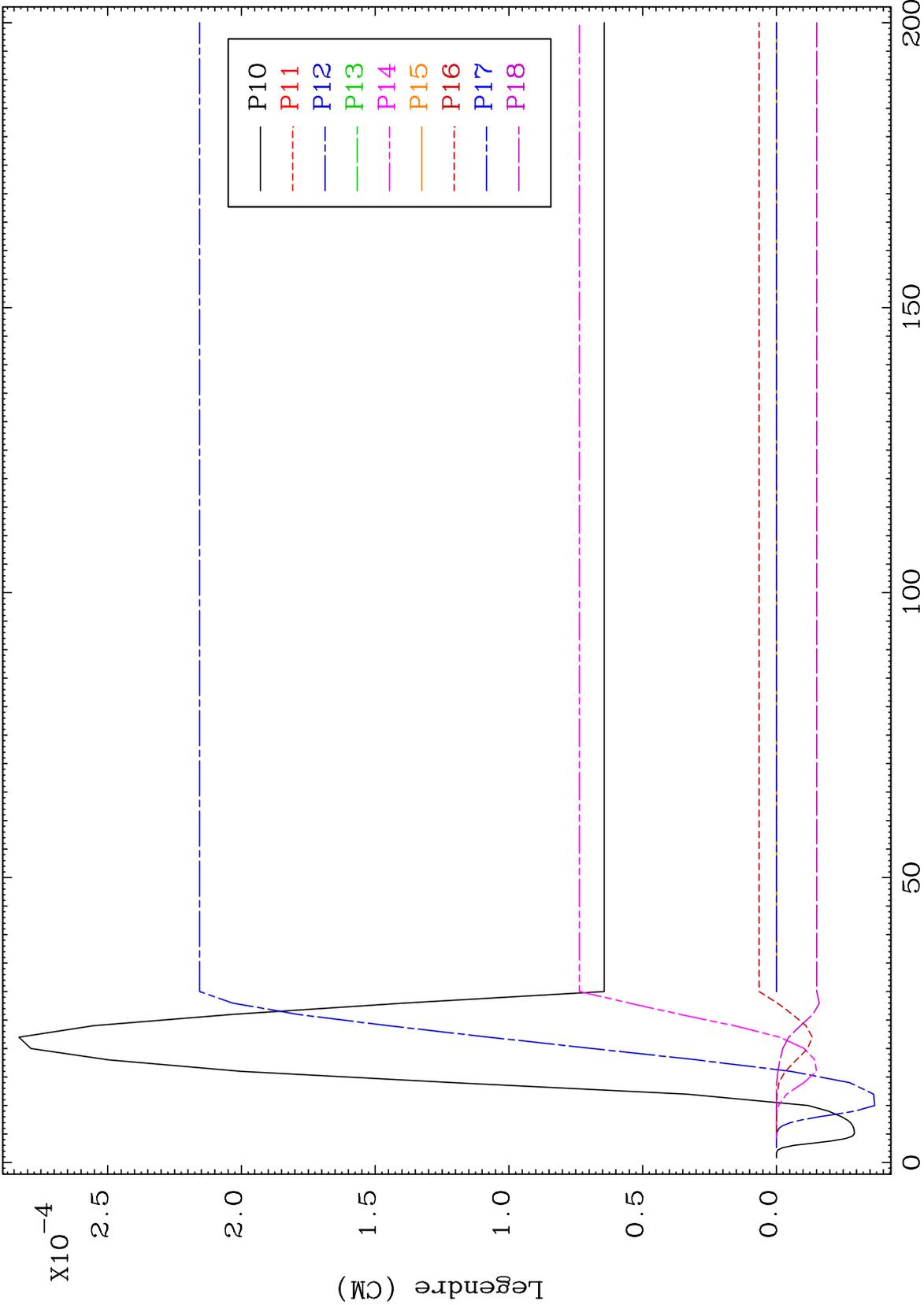
Incident Energy (MeV)

85-At-198

MAT 8510

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

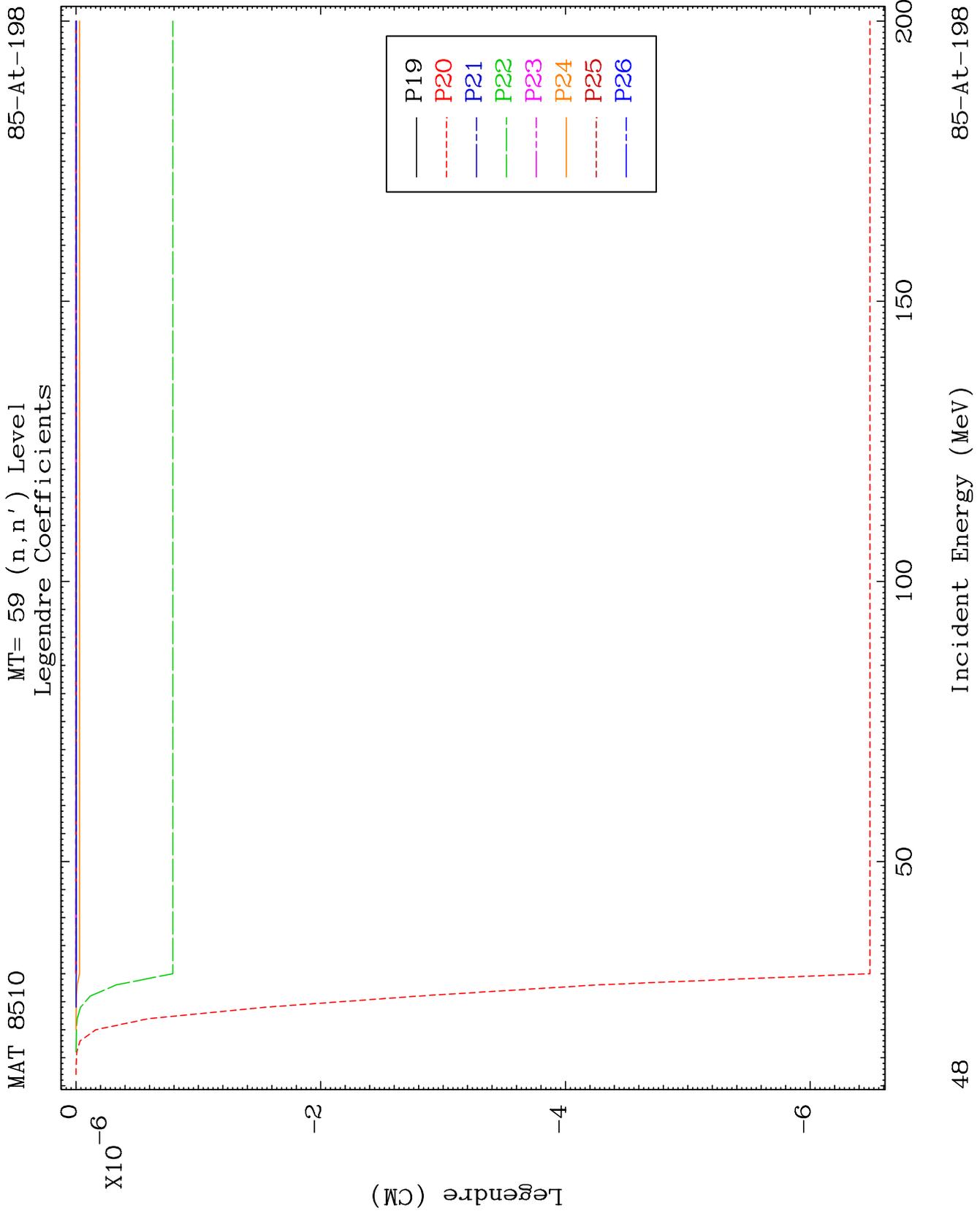
85-At-198



47

Incident Energy (MeV)

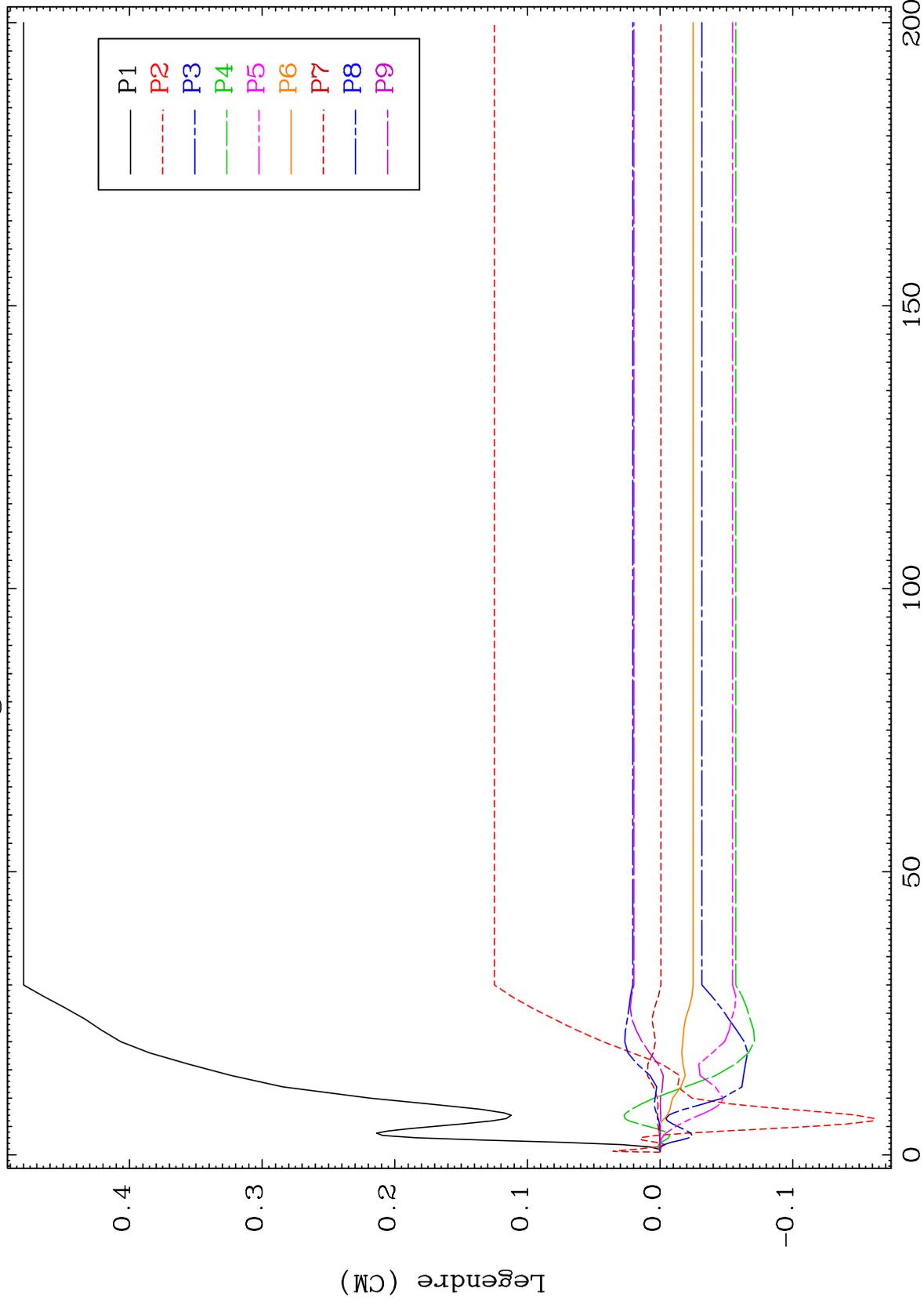
85-At-198



MAT 8510

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

85-At-198



49

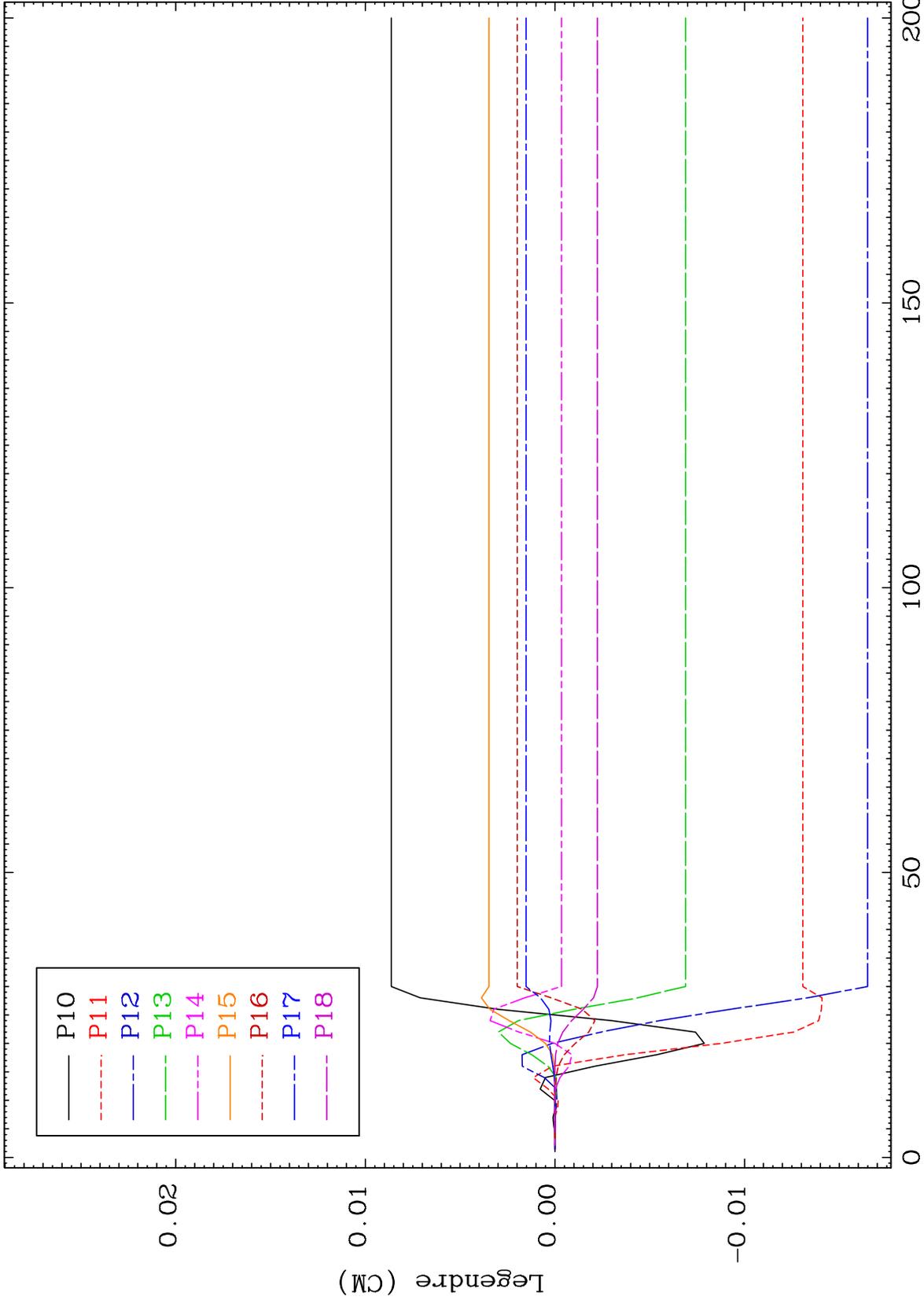
Incident Energy (MeV)

85-At-198

MAT 8510

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

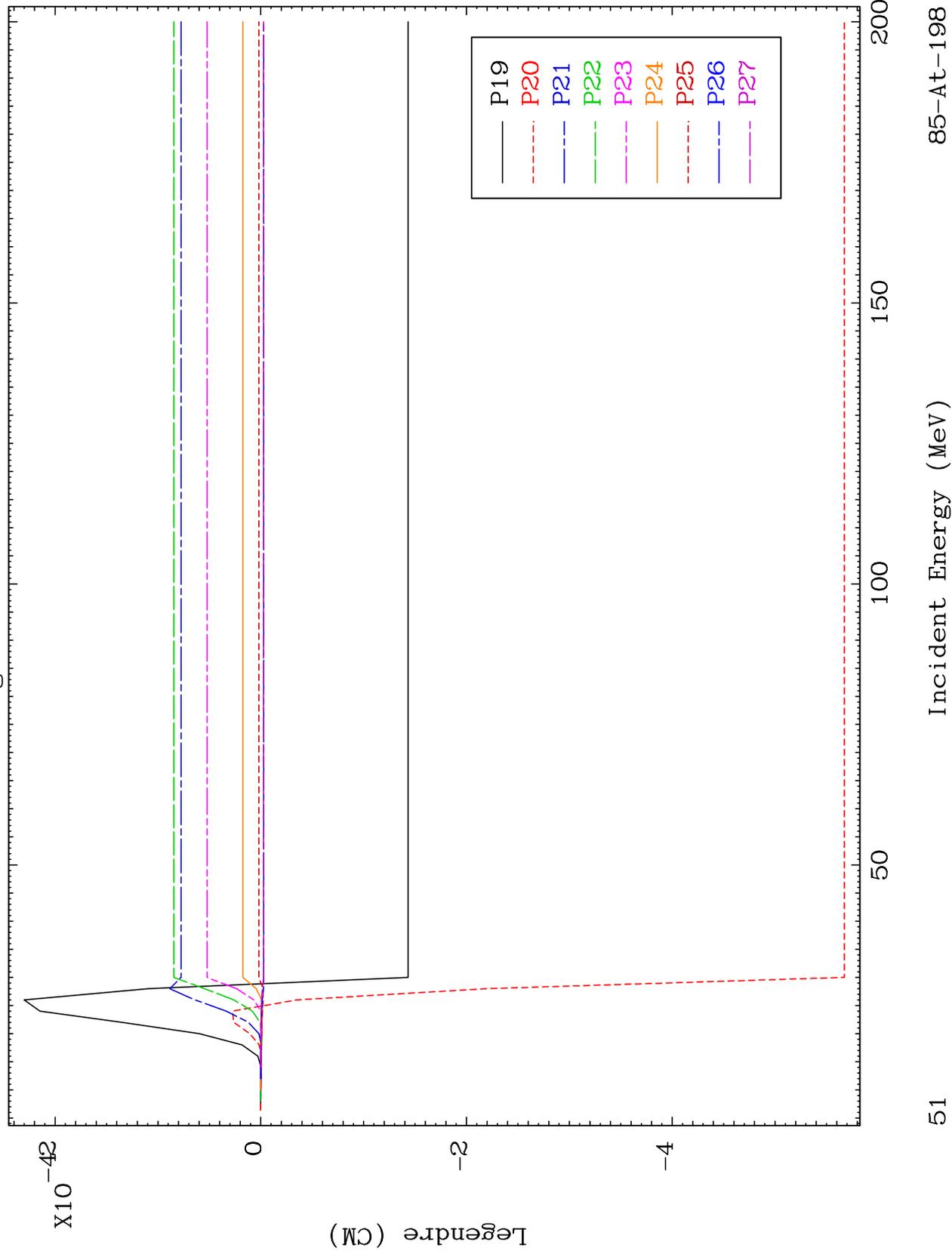
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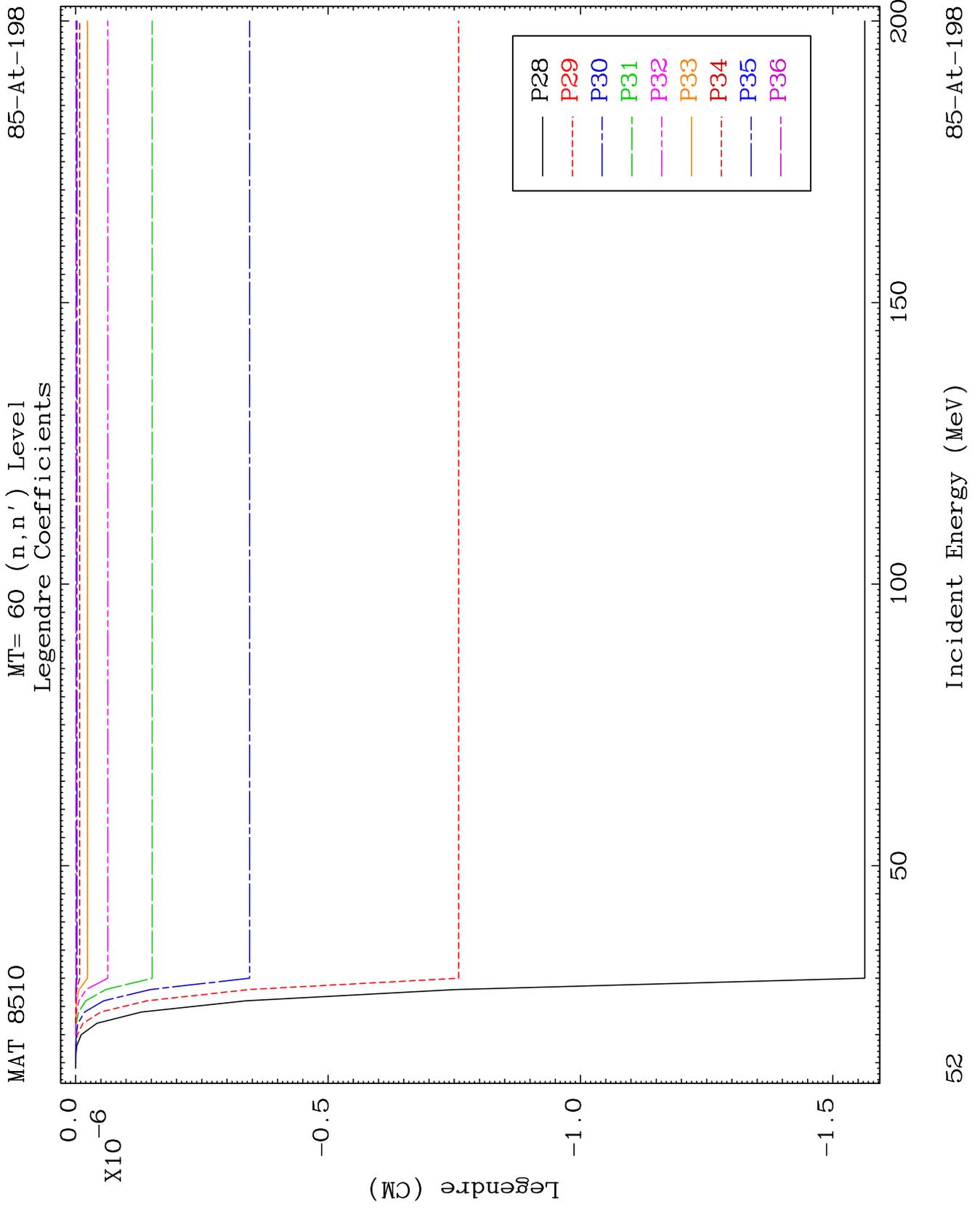


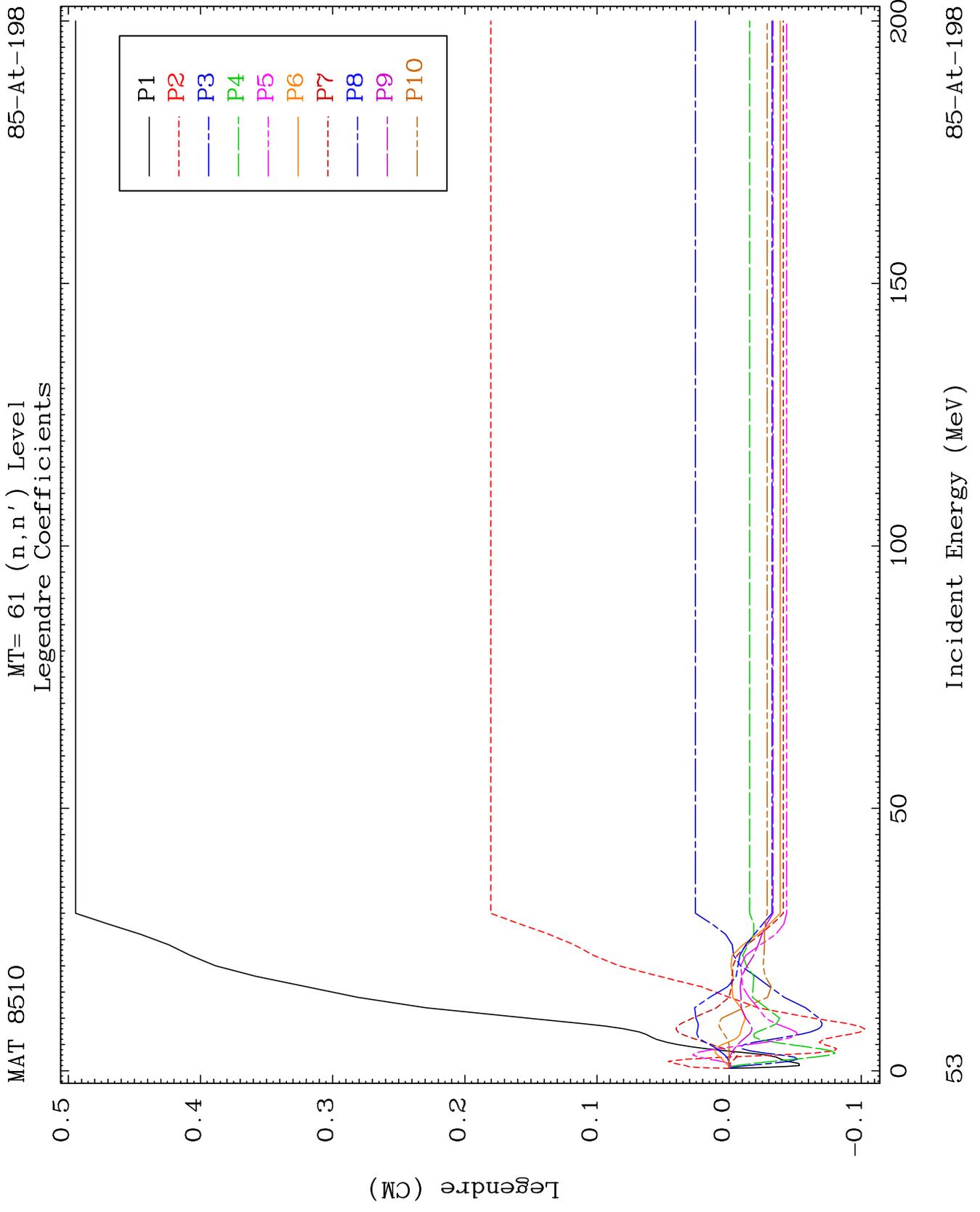
85-At-198

Incident Energy (MeV)

50



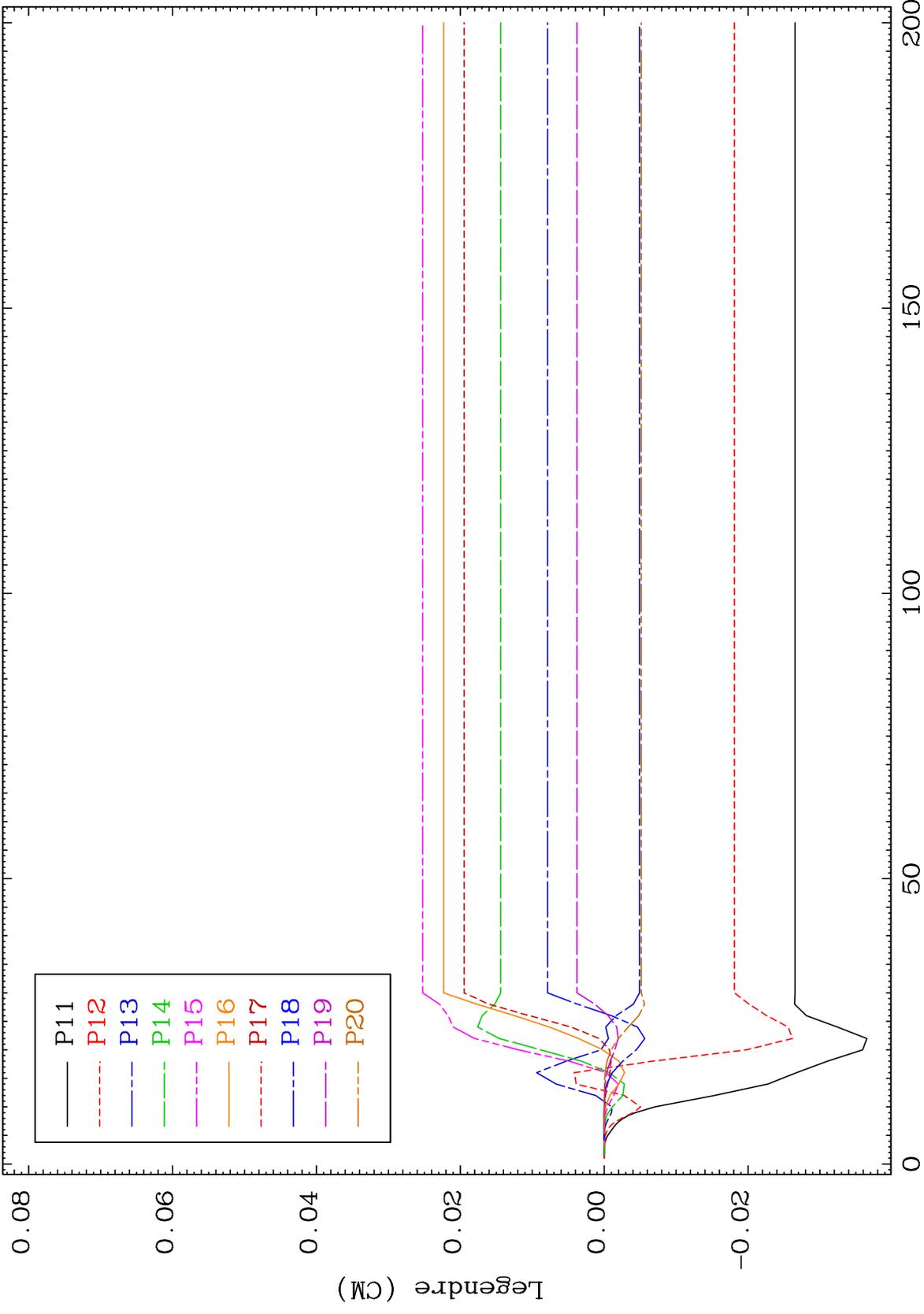




MAT 8510

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

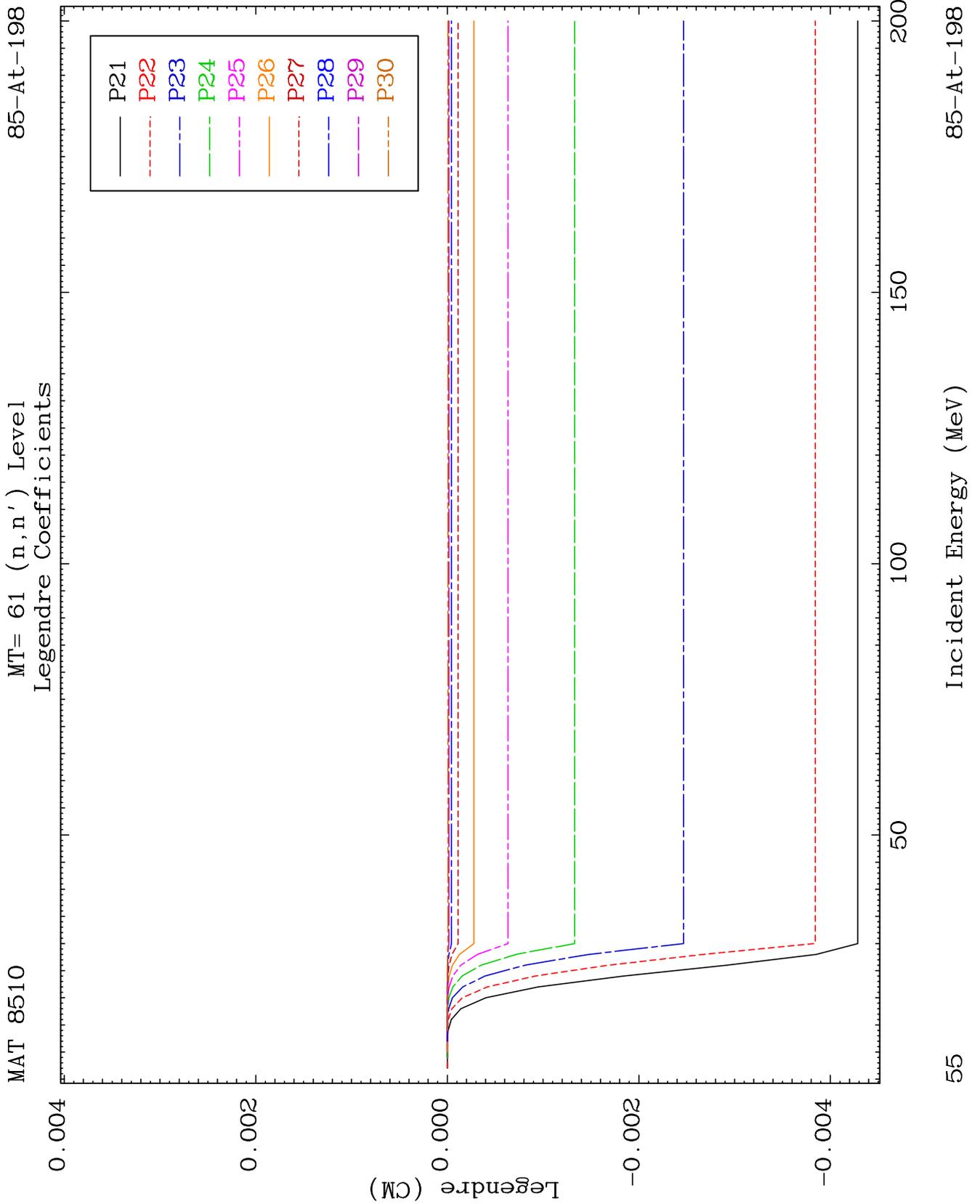
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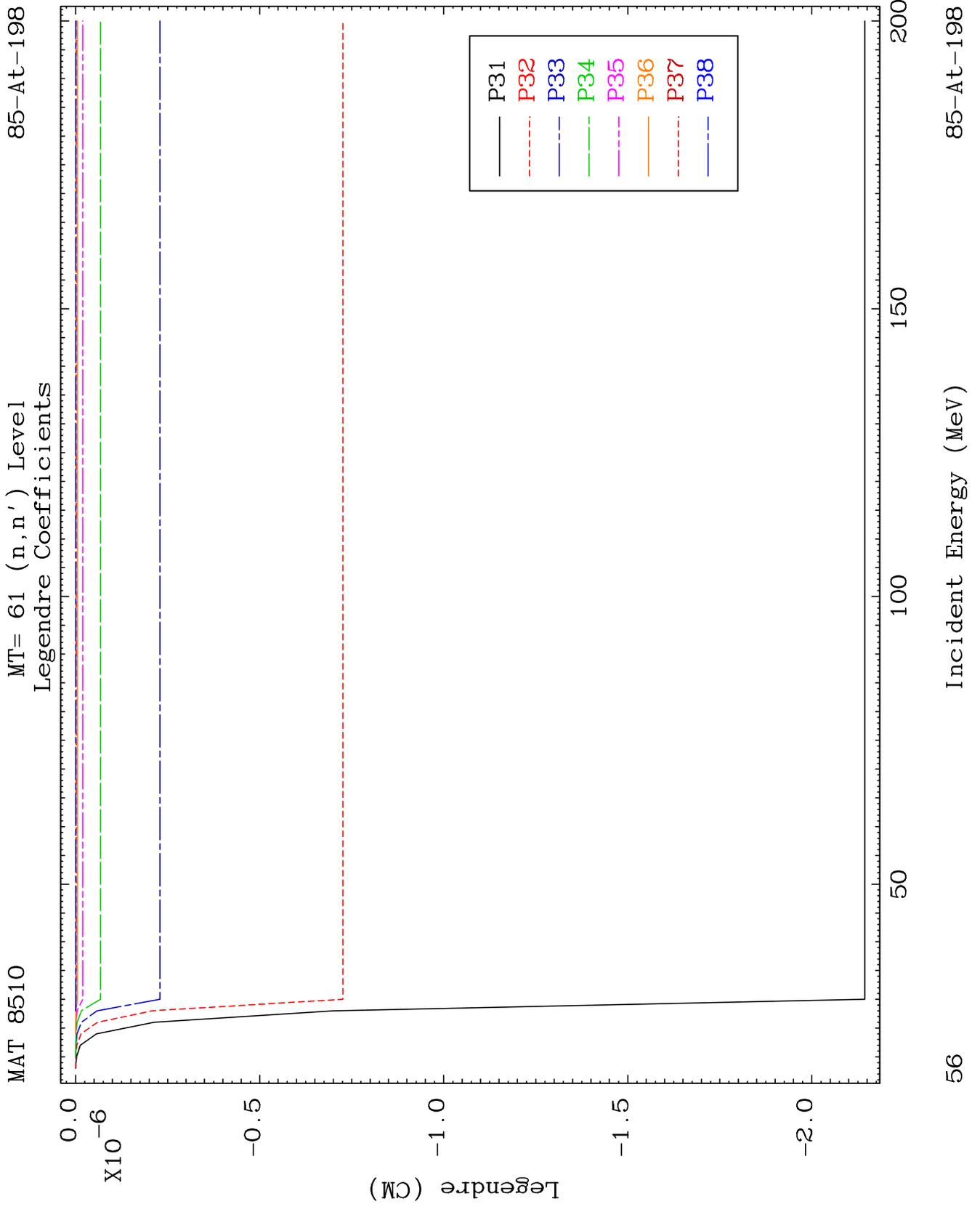


54

Incident Energy (MeV)

85-At-198

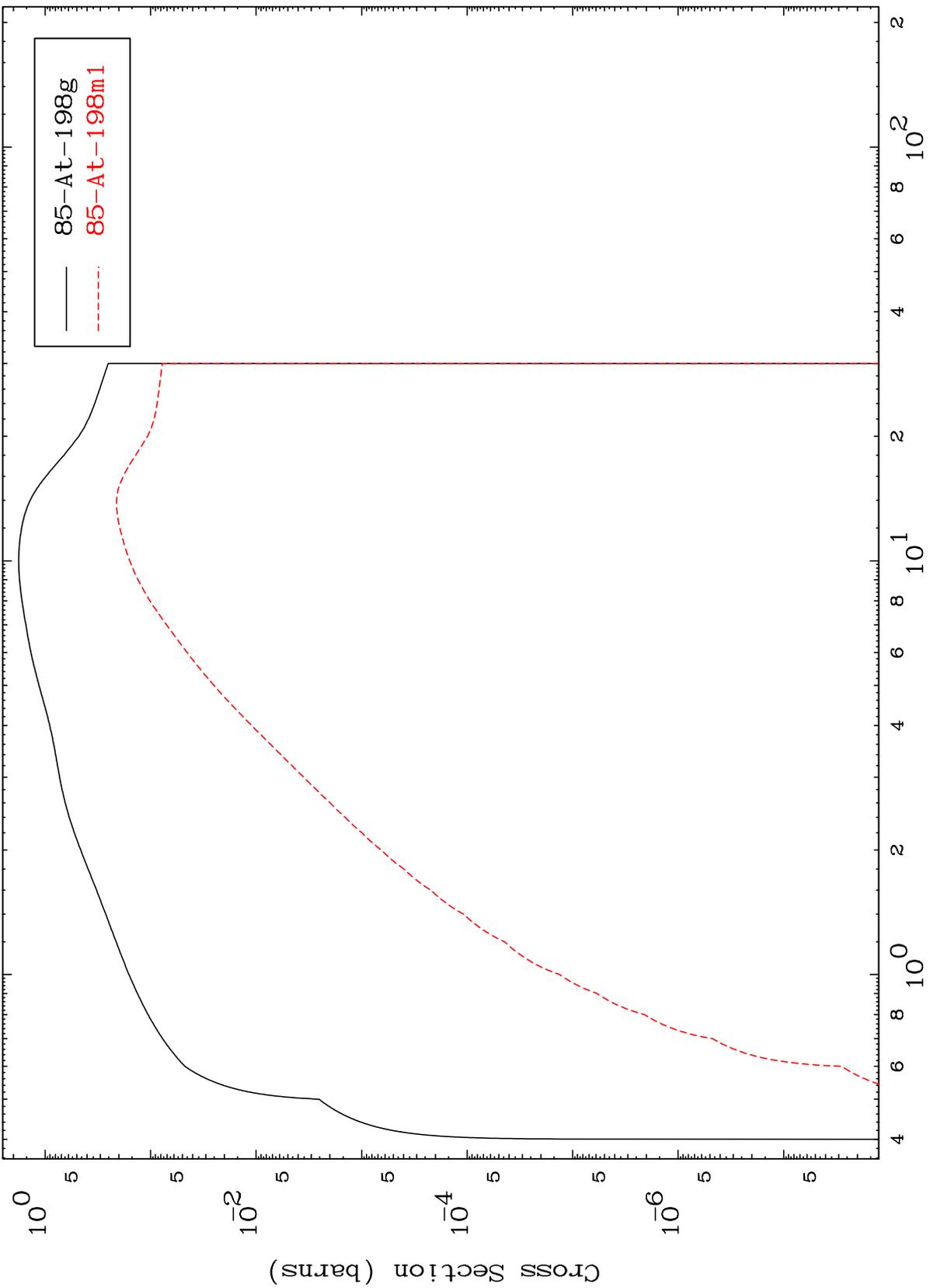




MAT 8510

85-At-198

Inelastic
Radionuclide Production Cross Section

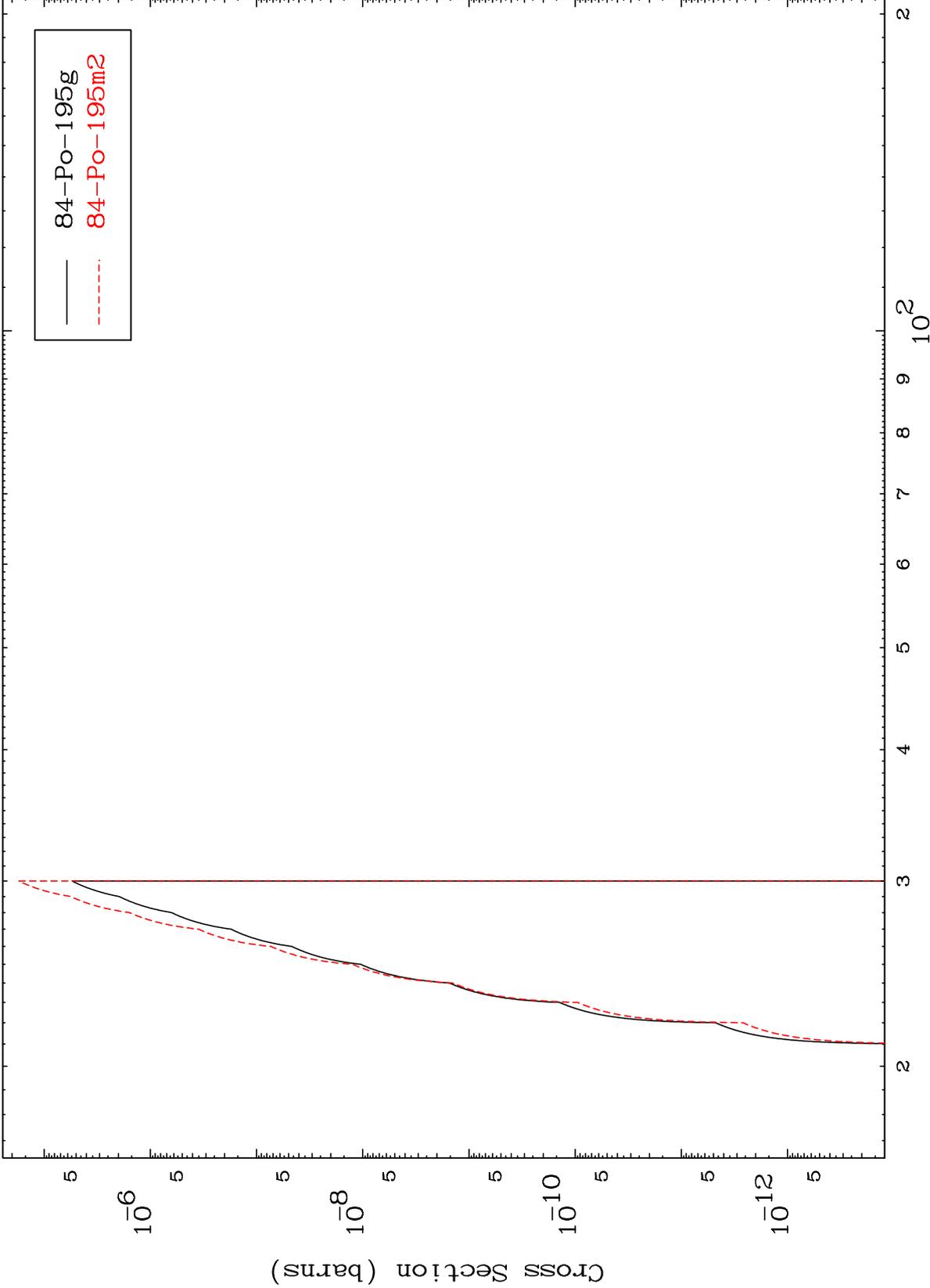


57

Incident Energy (MeV)

85-At-198

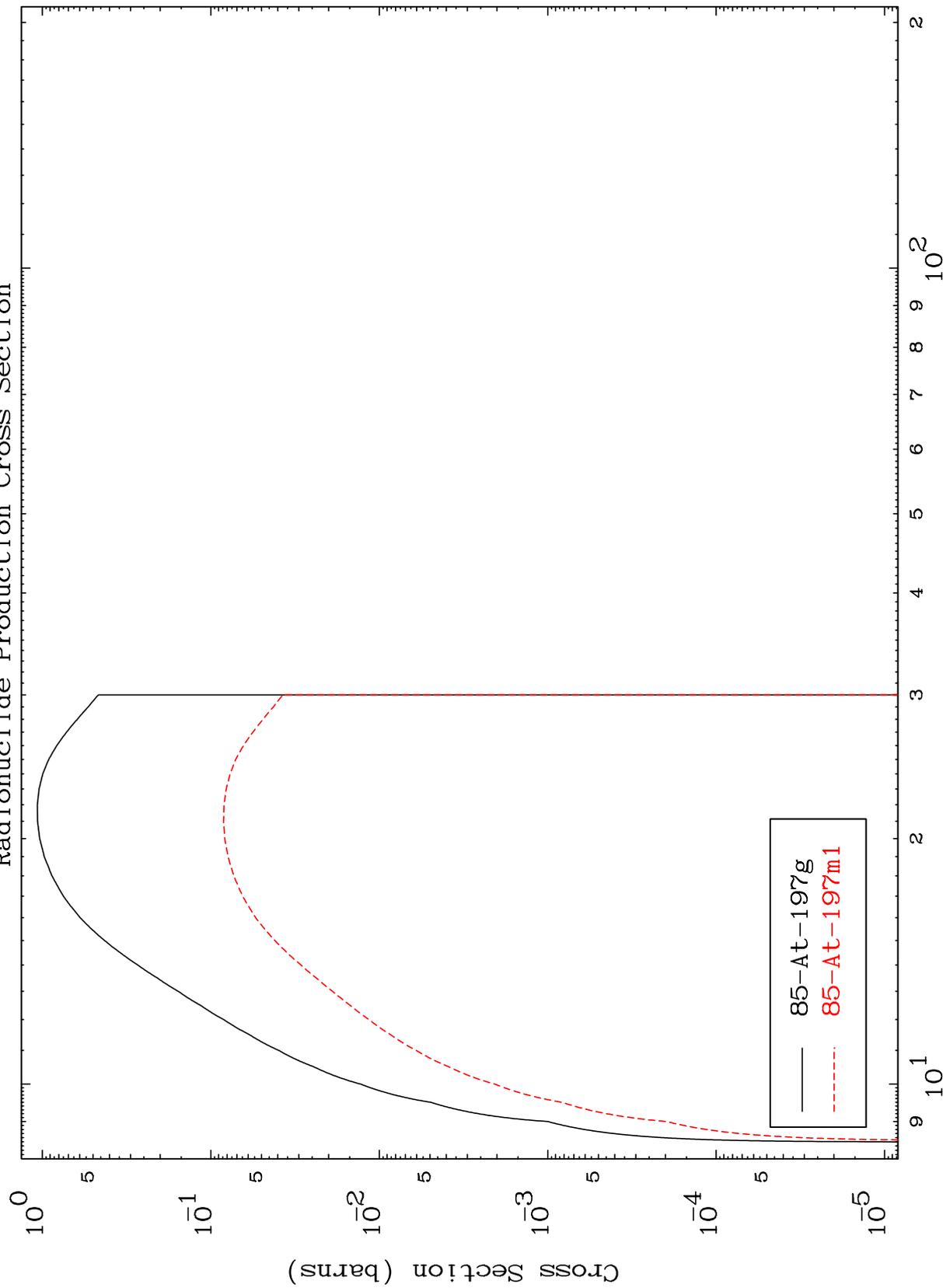
Radionuclide Production Cross Section



MAT 8510

85-At-198

(n,2n)
Radionuclide Production Cross Section



59

Incident Energy (MeV)

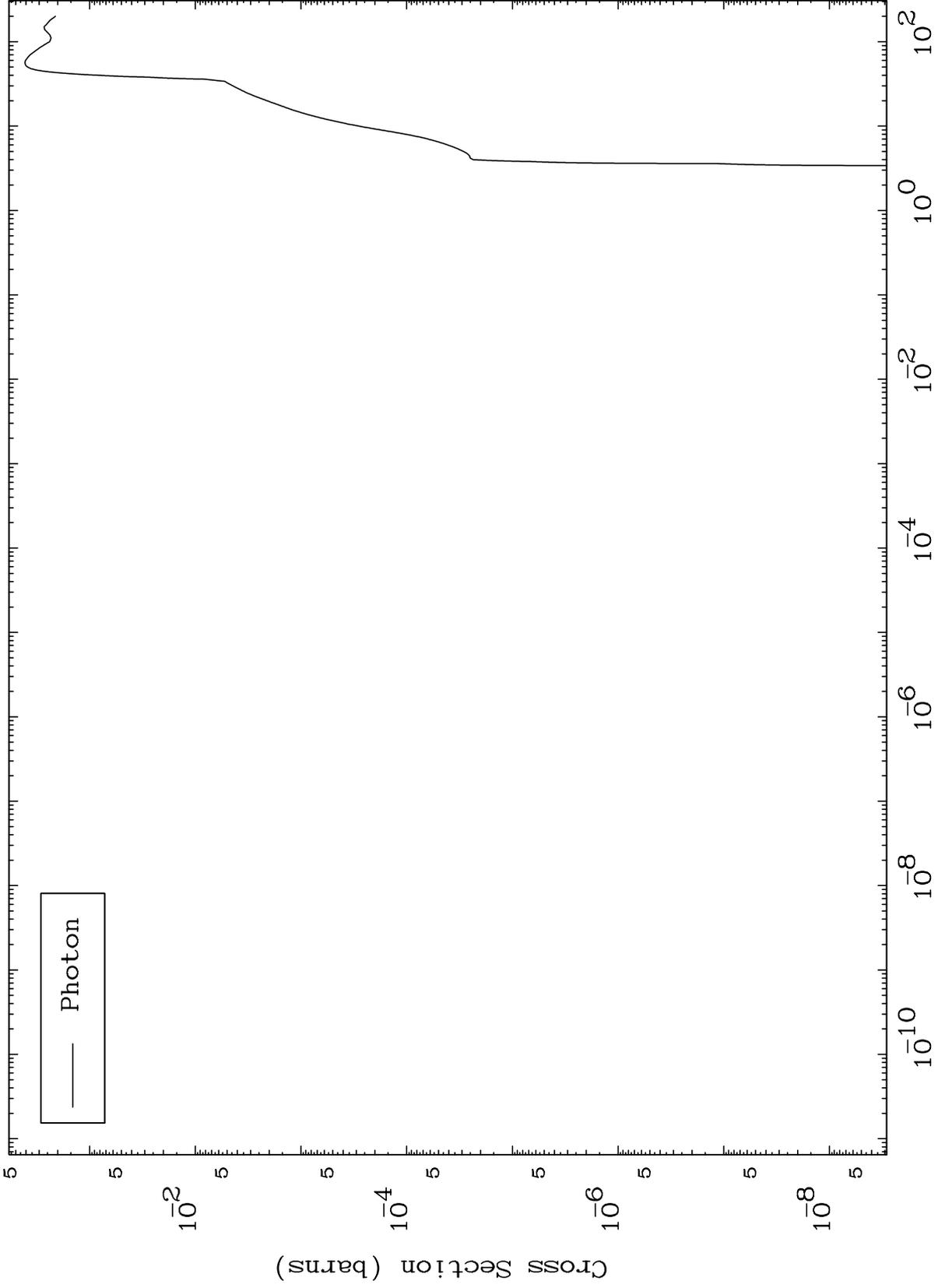
85-At-198

MAT 8510

Fission

85-At-198

Radionuclide Production Cross Section



60

Incident Energy (MeV)

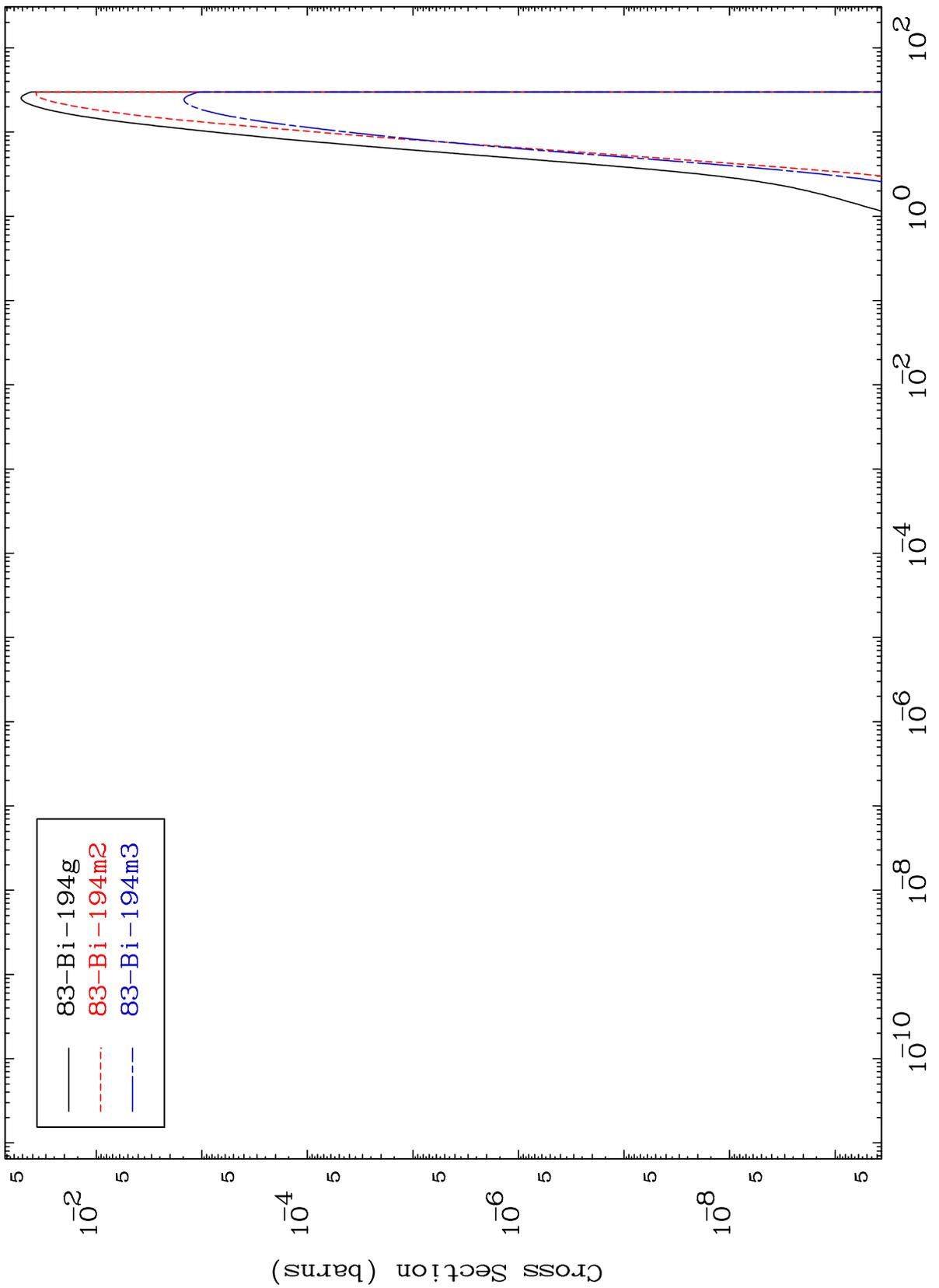
85-At-198

MAT 8510

$(n, n') \alpha$

85-At-198

Radionuclide Production Cross Section



61

Incident Energy (MeV)

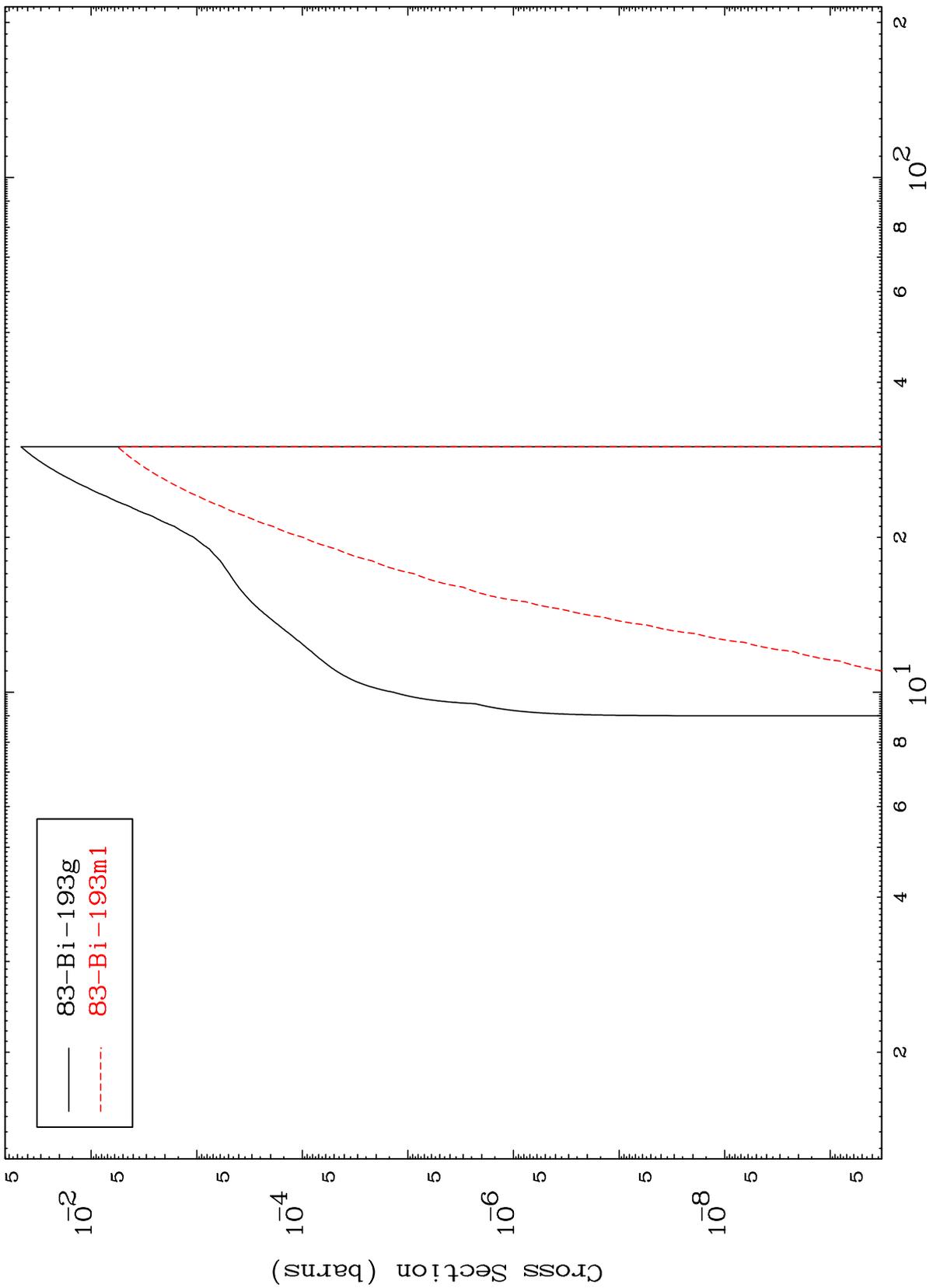
85-At-198

MAT 8510

(n,2n) α

85-At-198

Radionuclide Production Cross Section



62

Incident Energy (MeV)

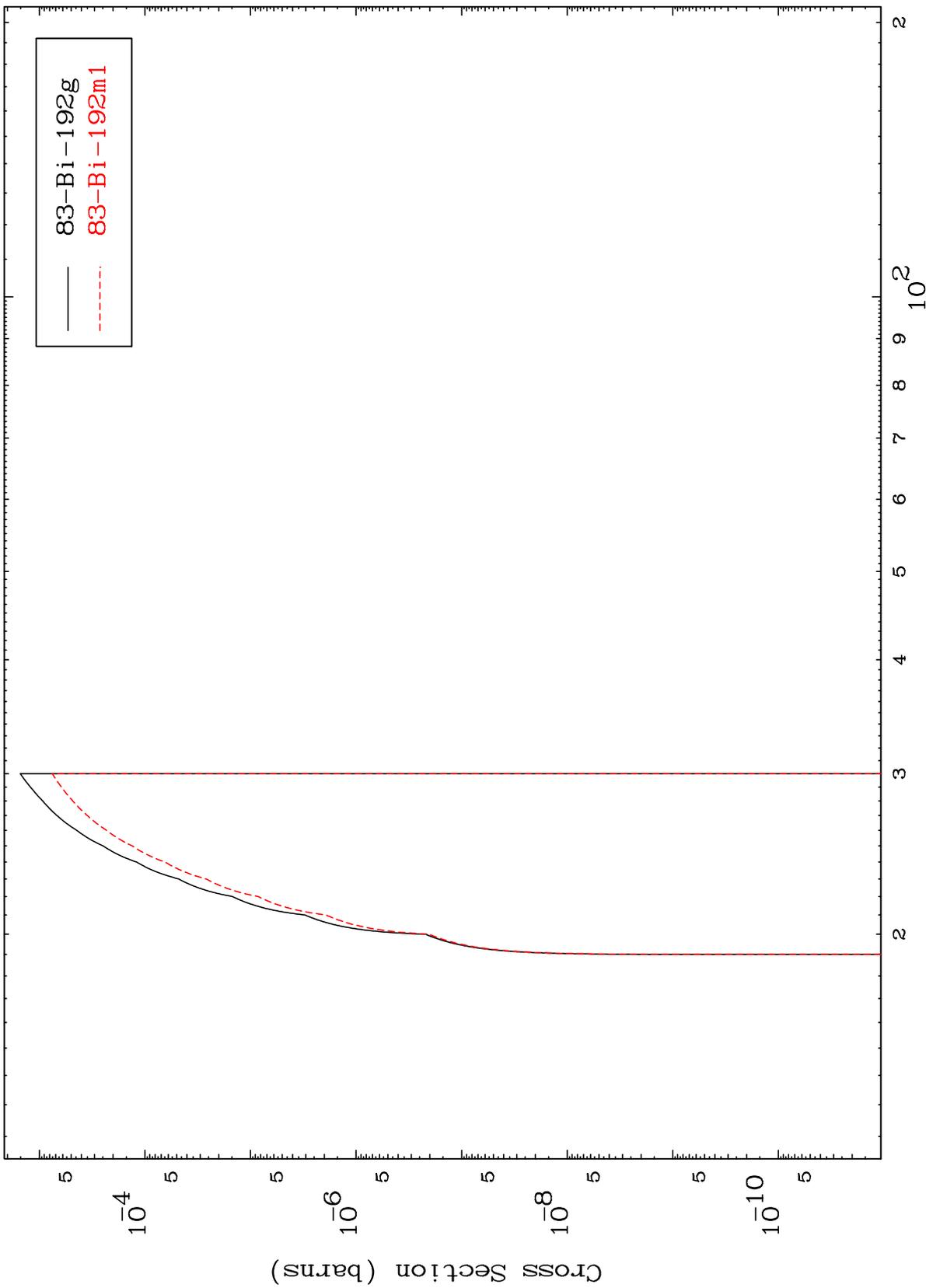
85-At-198

MAT 8510

(n,3n) α

85-At-198

Radionuclide Production Cross Section



63

Incident Energy (MeV)

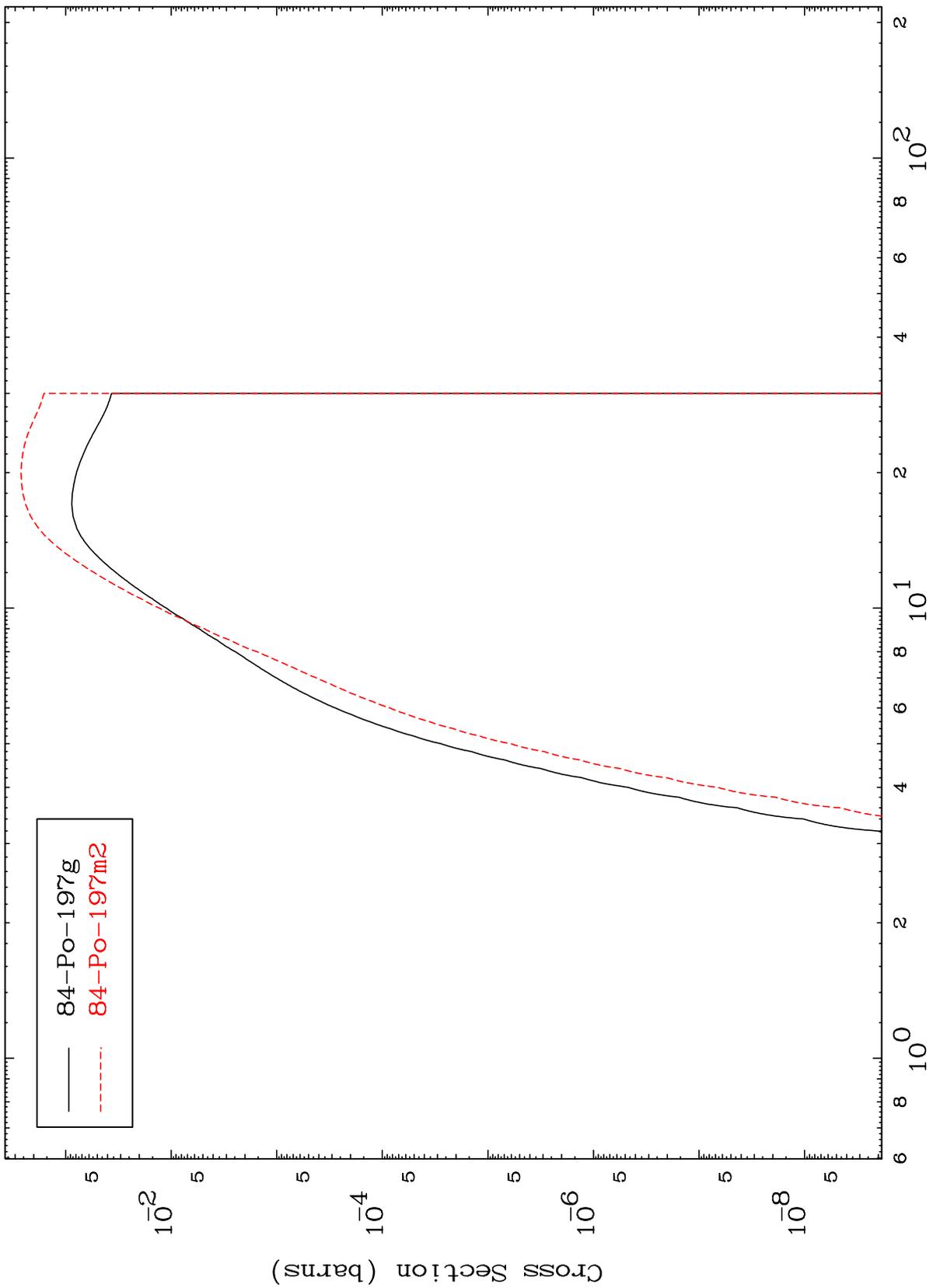
85-At-198

MAT 8510

(n,n') p

85-At-198

Radionuclide Production Cross Section



64

Incident Energy (MeV)

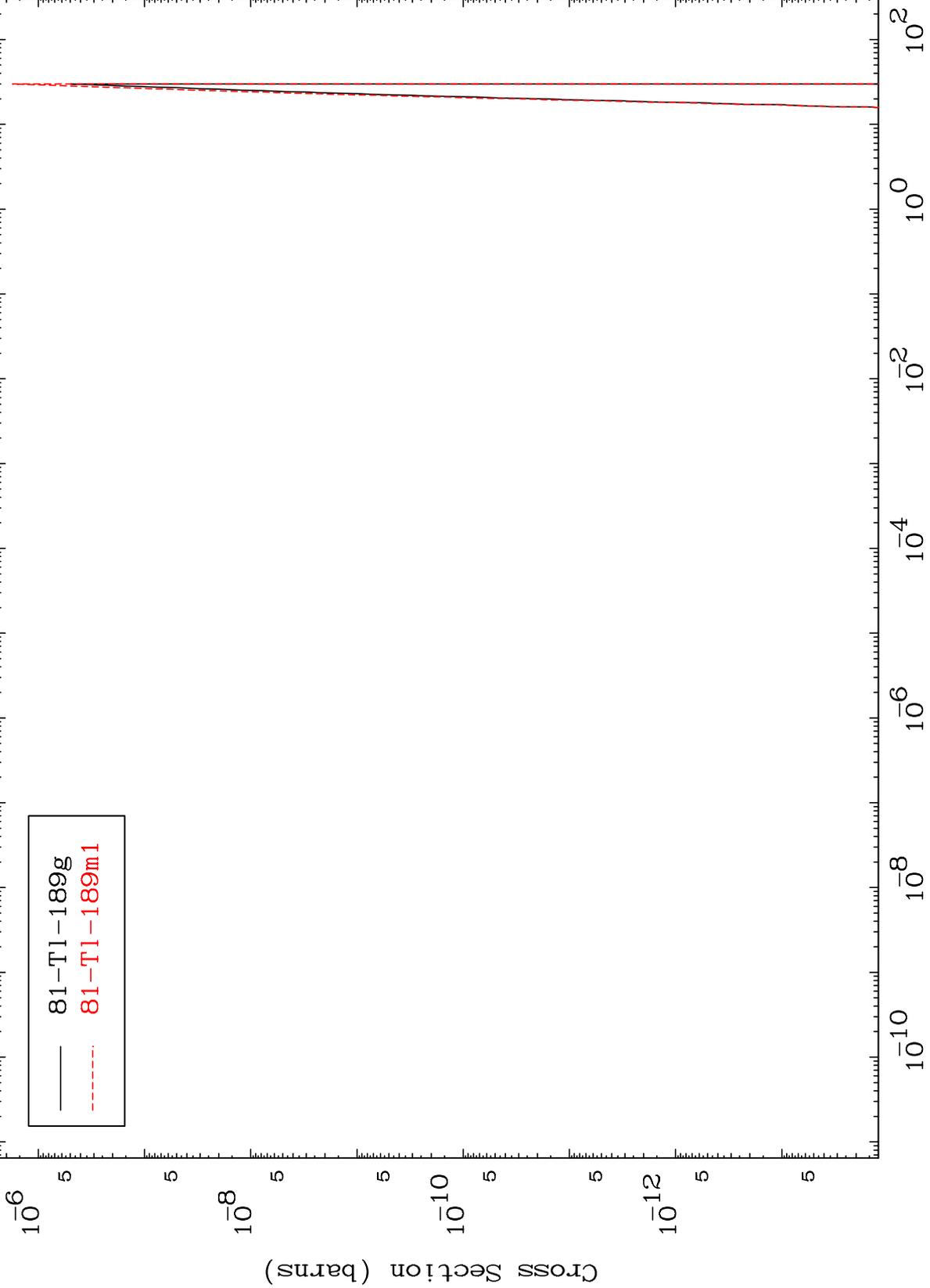
85-At-198

MAT 8510

(n,2n) 2α

85-At-198

Radionuclide Production Cross Section



81-Tl-189g
81-Tl-189m1

65

Incident Energy (MeV)

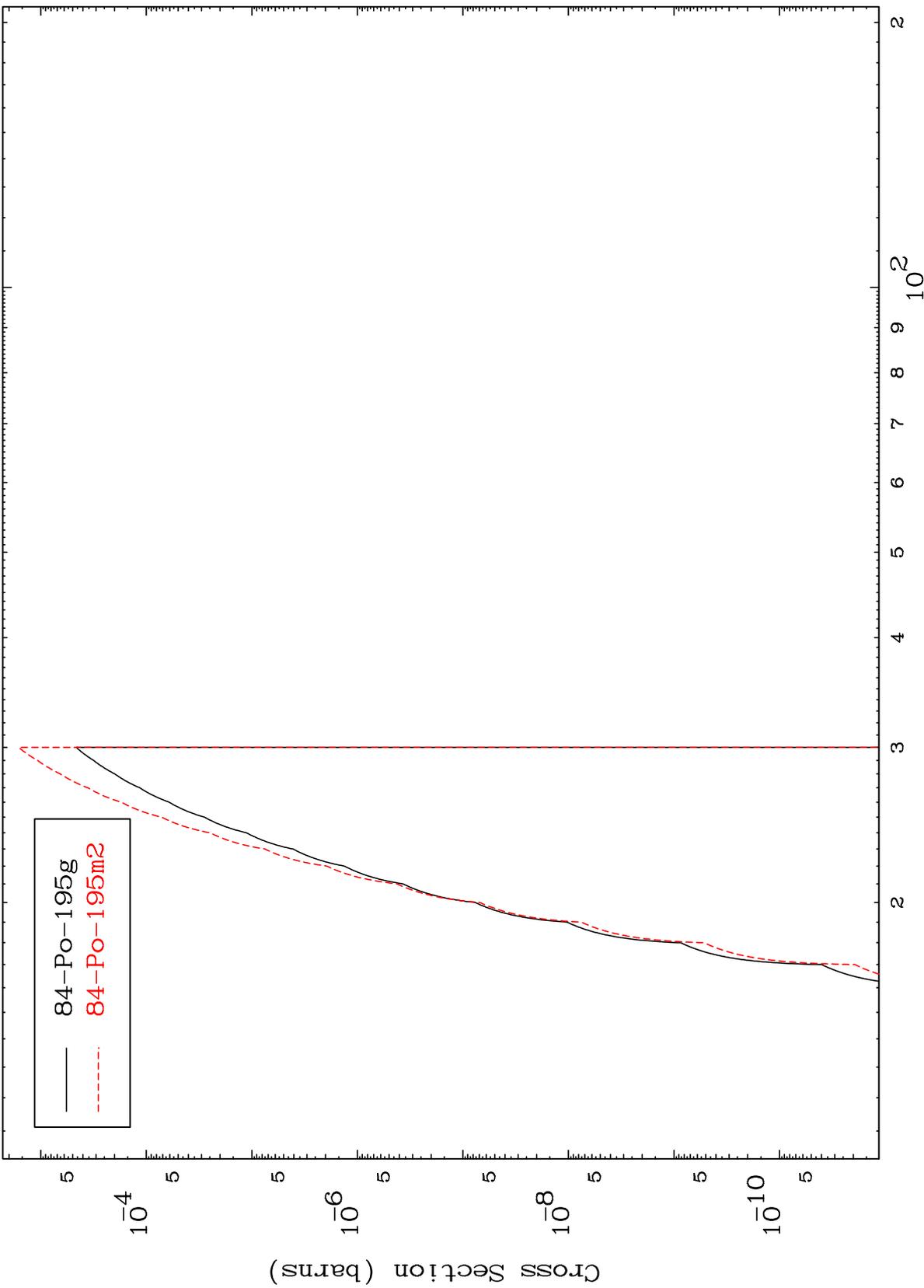
85-At-198

MAT 8510

(n,n') t

85-At-198

Radionuclide Production Cross Section



66

Incident Energy (MeV)

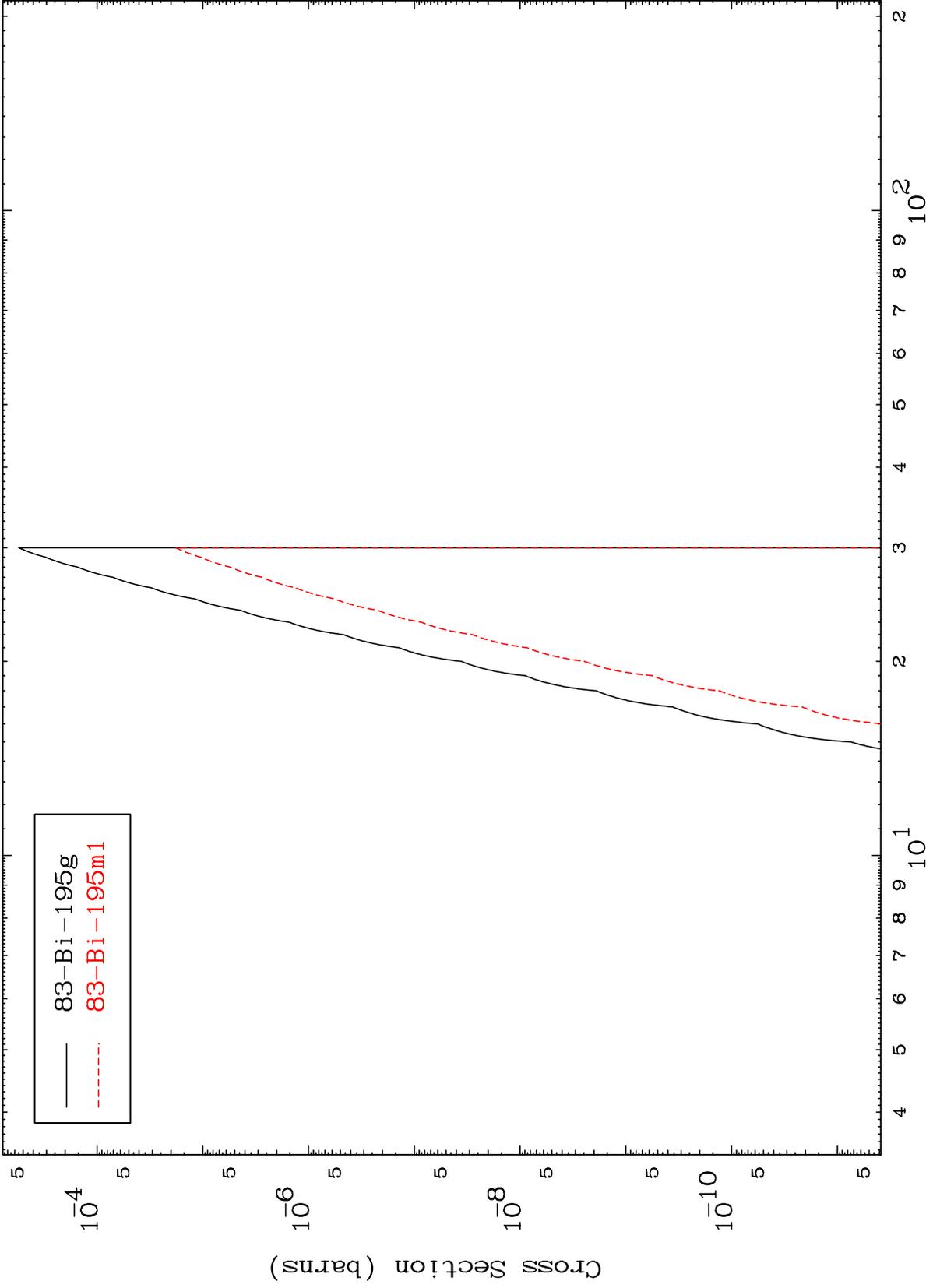
85-At-198

MAT 8510

(n,n') He-3

85-At-198

Radionuclide Production Cross Section

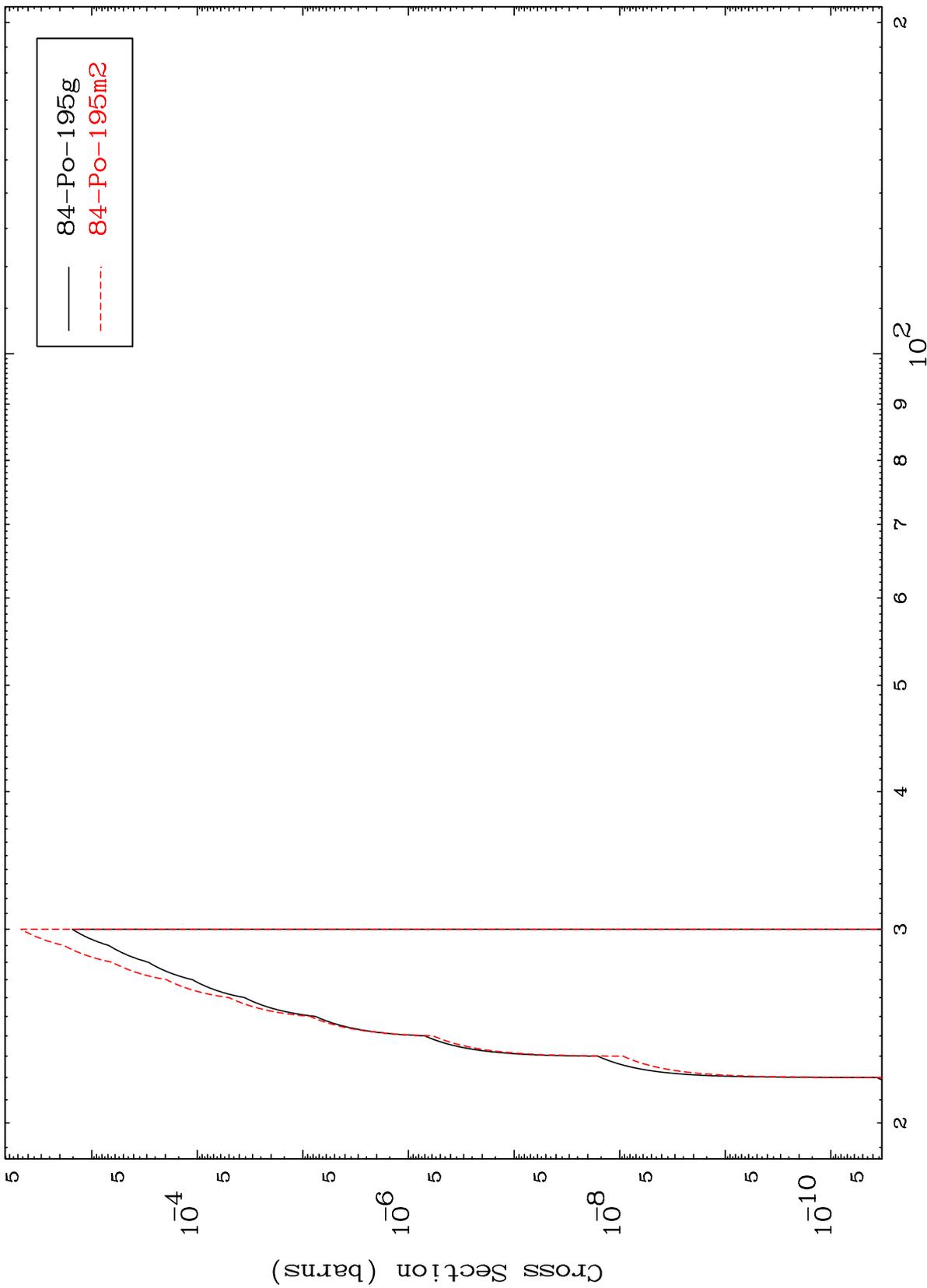


67

Incident Energy (MeV)

85-At-198

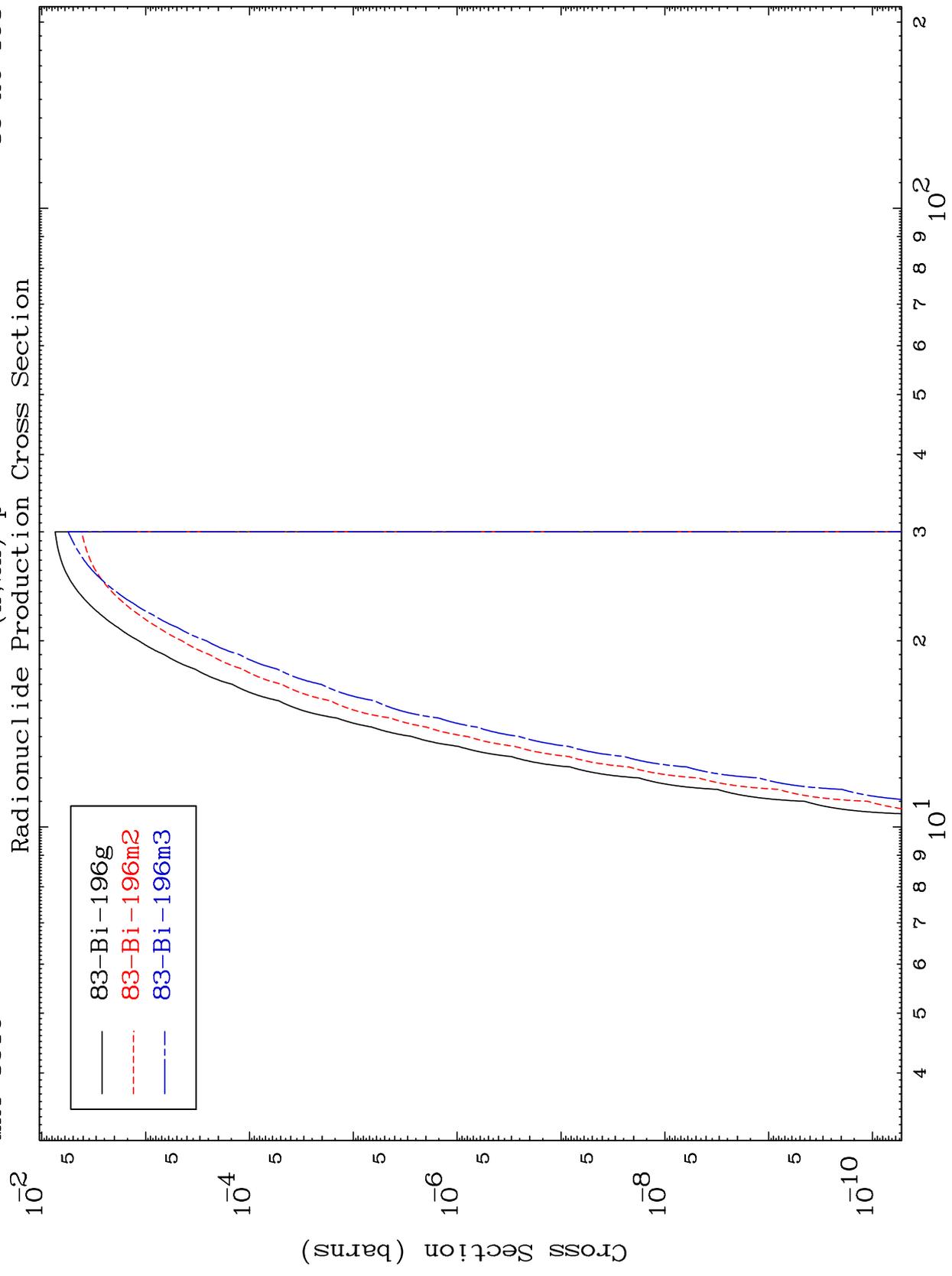
Radionuclide Production Cross Section



MAT 8510

(n,2n) p

85-At-198



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

69

Incident Energy (MeV)

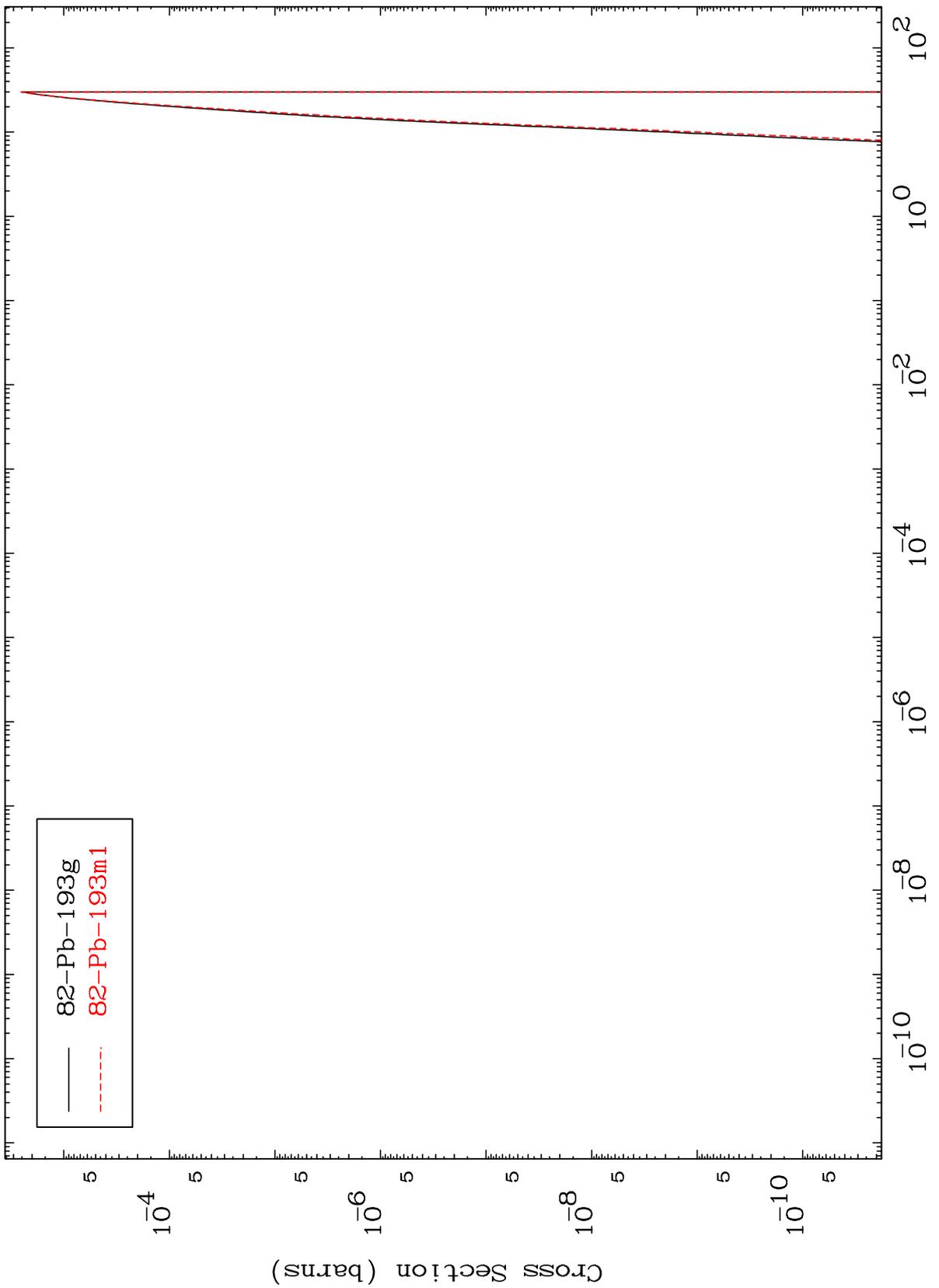
85-At-198

MAT 8510

(n,n') p α

85-At-198

Radionuclide Production Cross Section



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

70

Incident Energy (MeV)

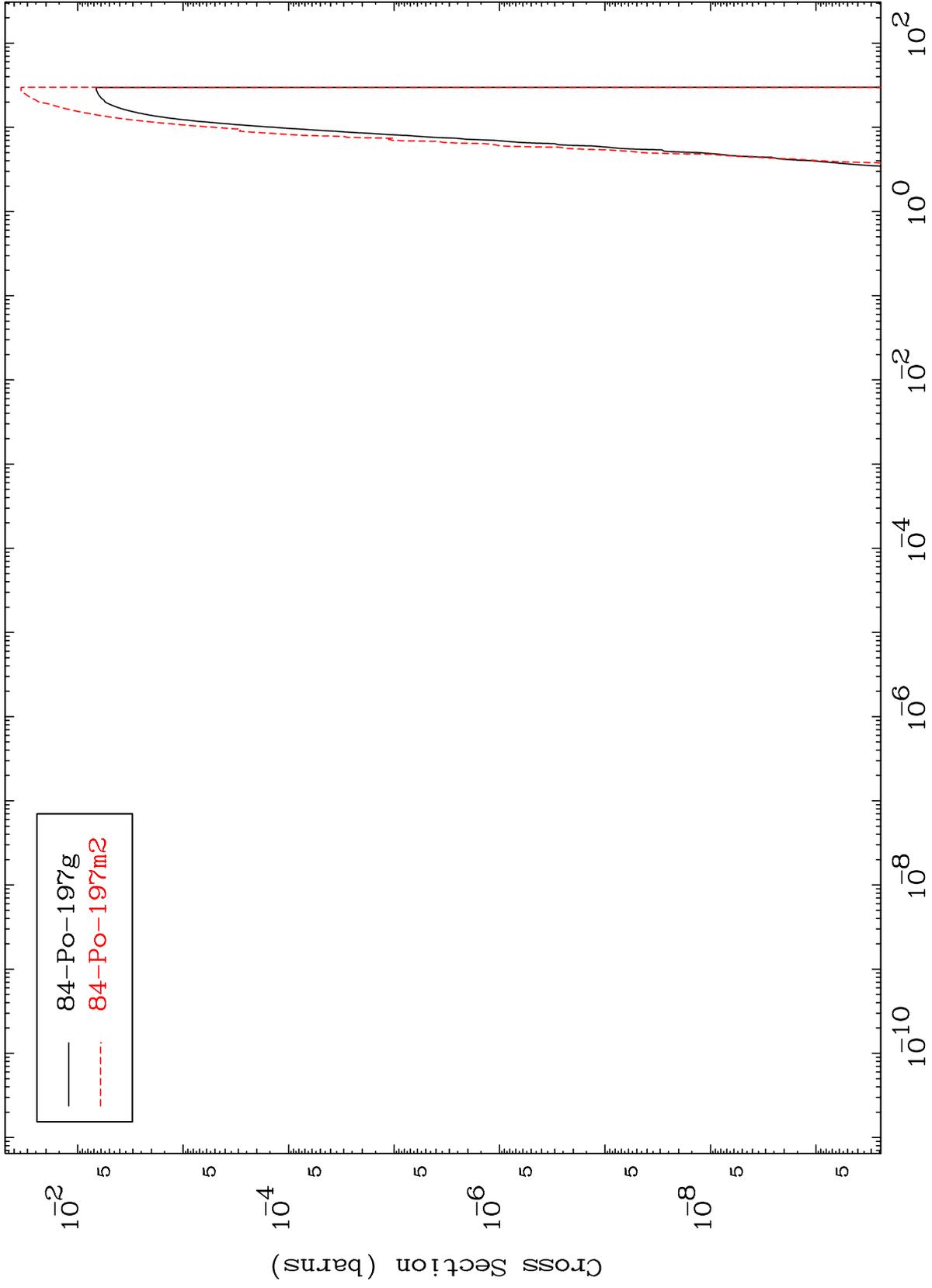
85-At-198

MAT 8510

(n,d)

85-At-198

Radionuclide Production Cross Section

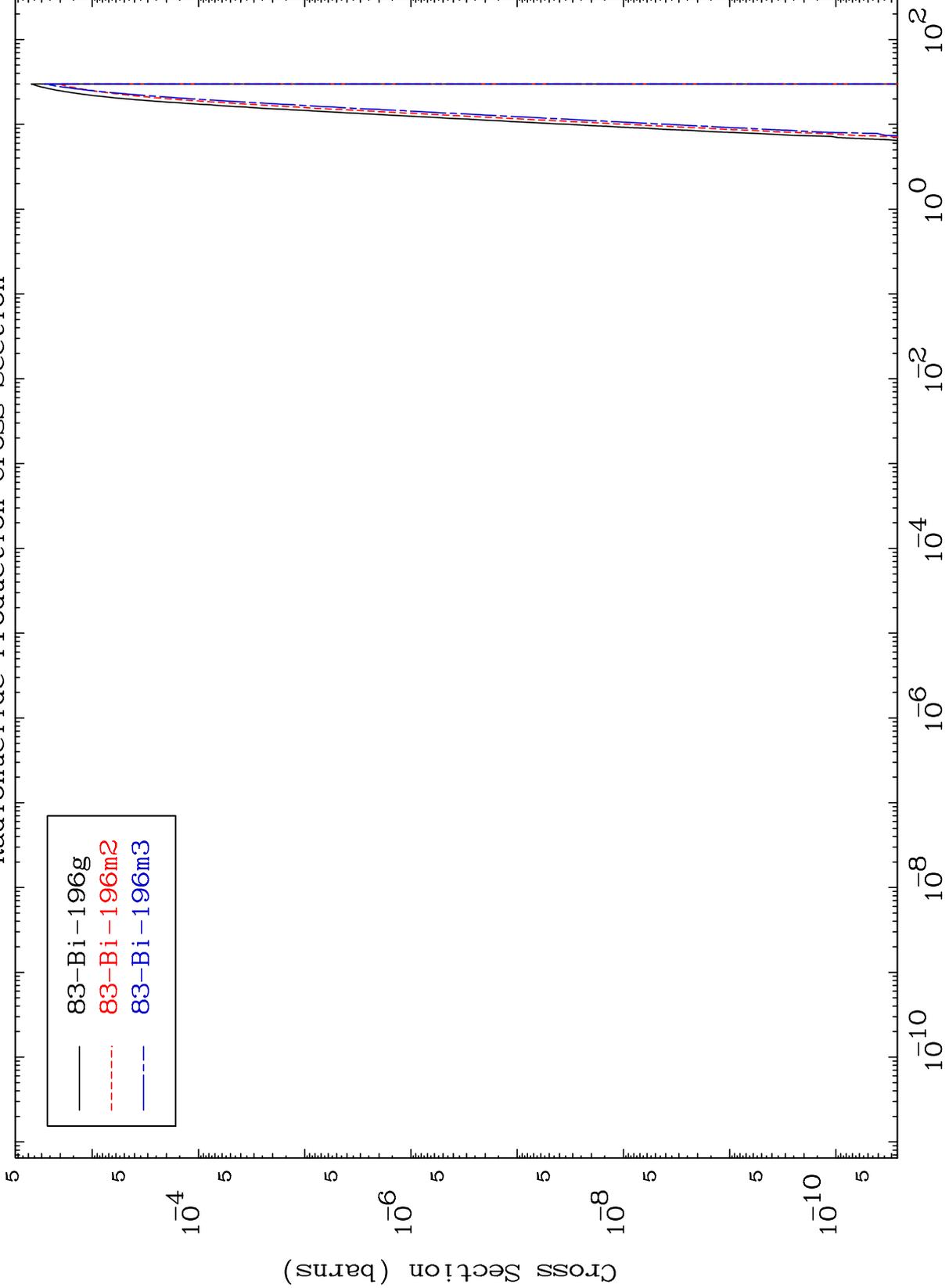


MAT 8510

(n,He-3)

85-At-198

Radionuclide Production Cross Section



72

Incident Energy (MeV)

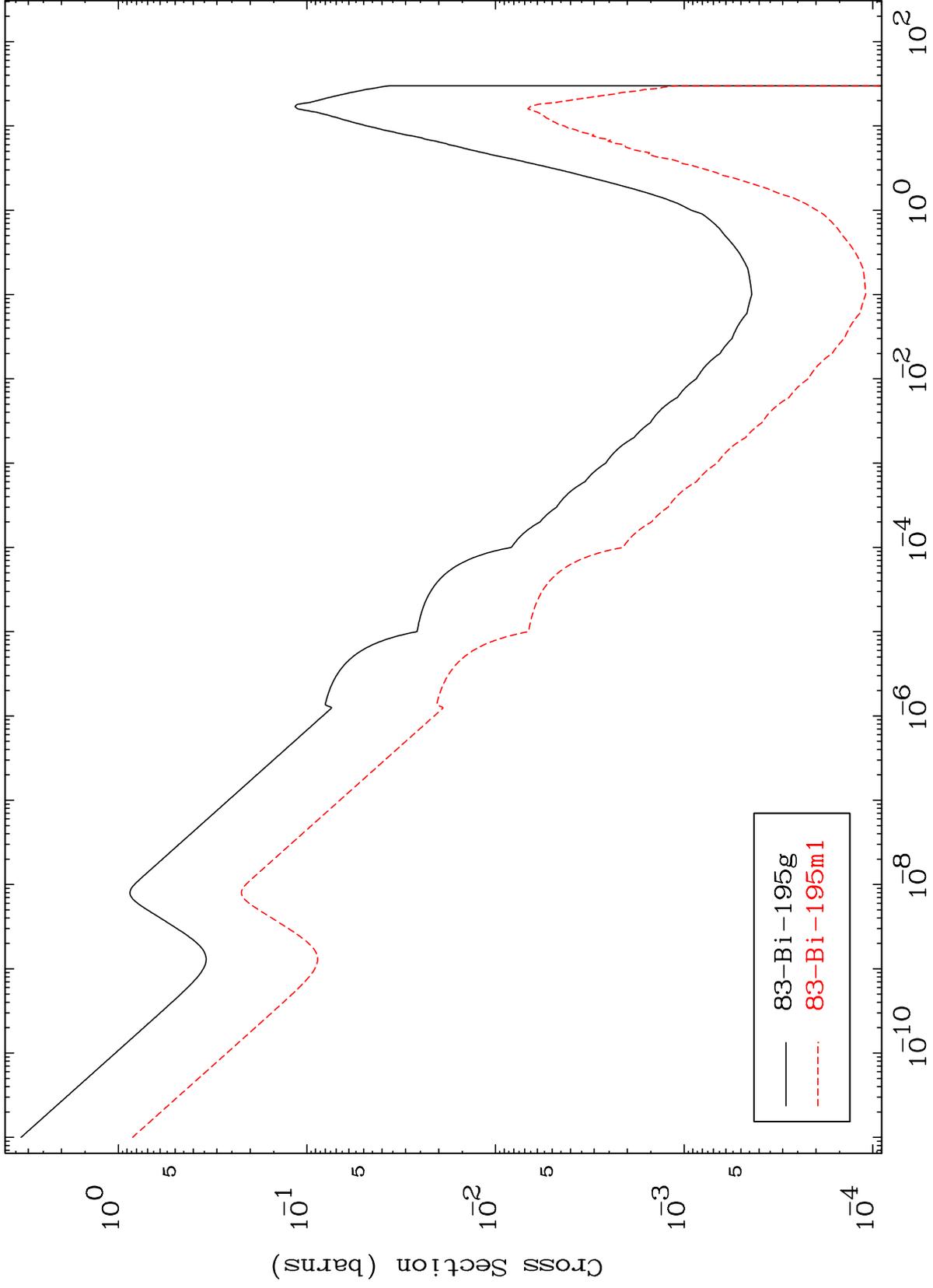
85-At-198

MAT 8510

(n, α)

85-At-198

Radionuclide Production Cross Section



73

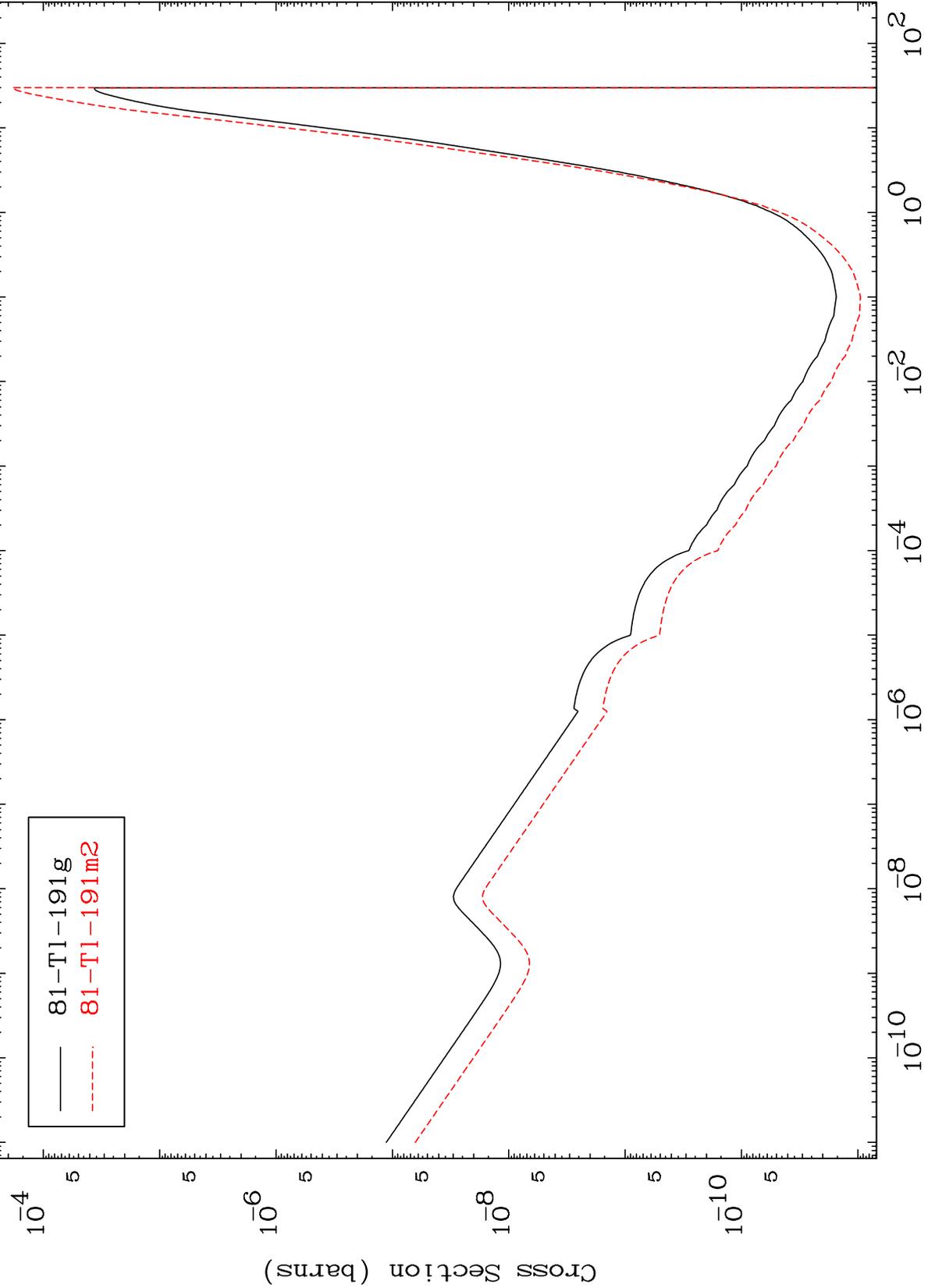
85-At-198

MAT 8510

(n,2α)

85-At-198

Radionuclide Production Cross Section



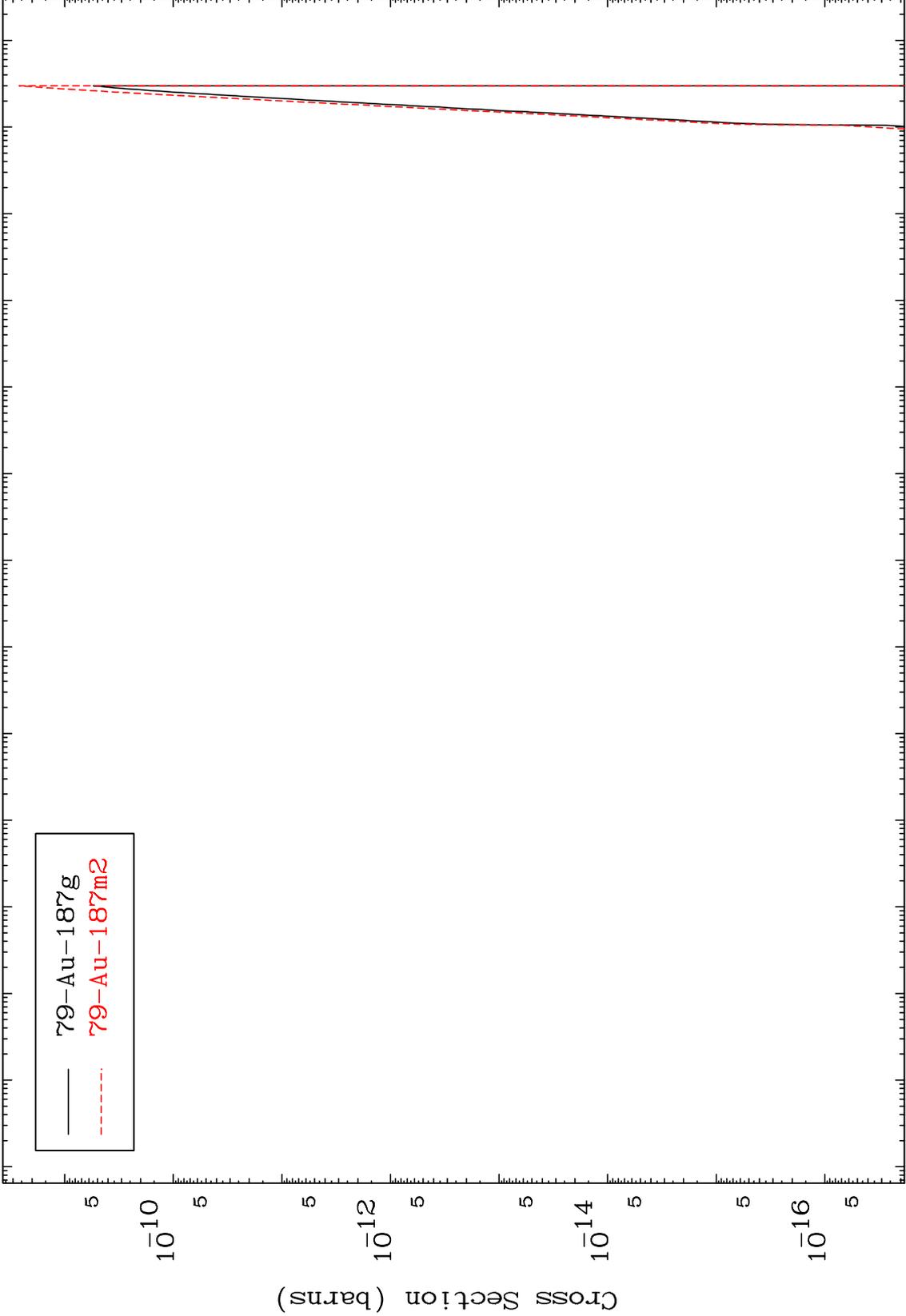
81-Tl-191g
81-Tl-191m2

MAT 8510

(n,3α)

85-At-198

Radionuclide Production Cross Section



75

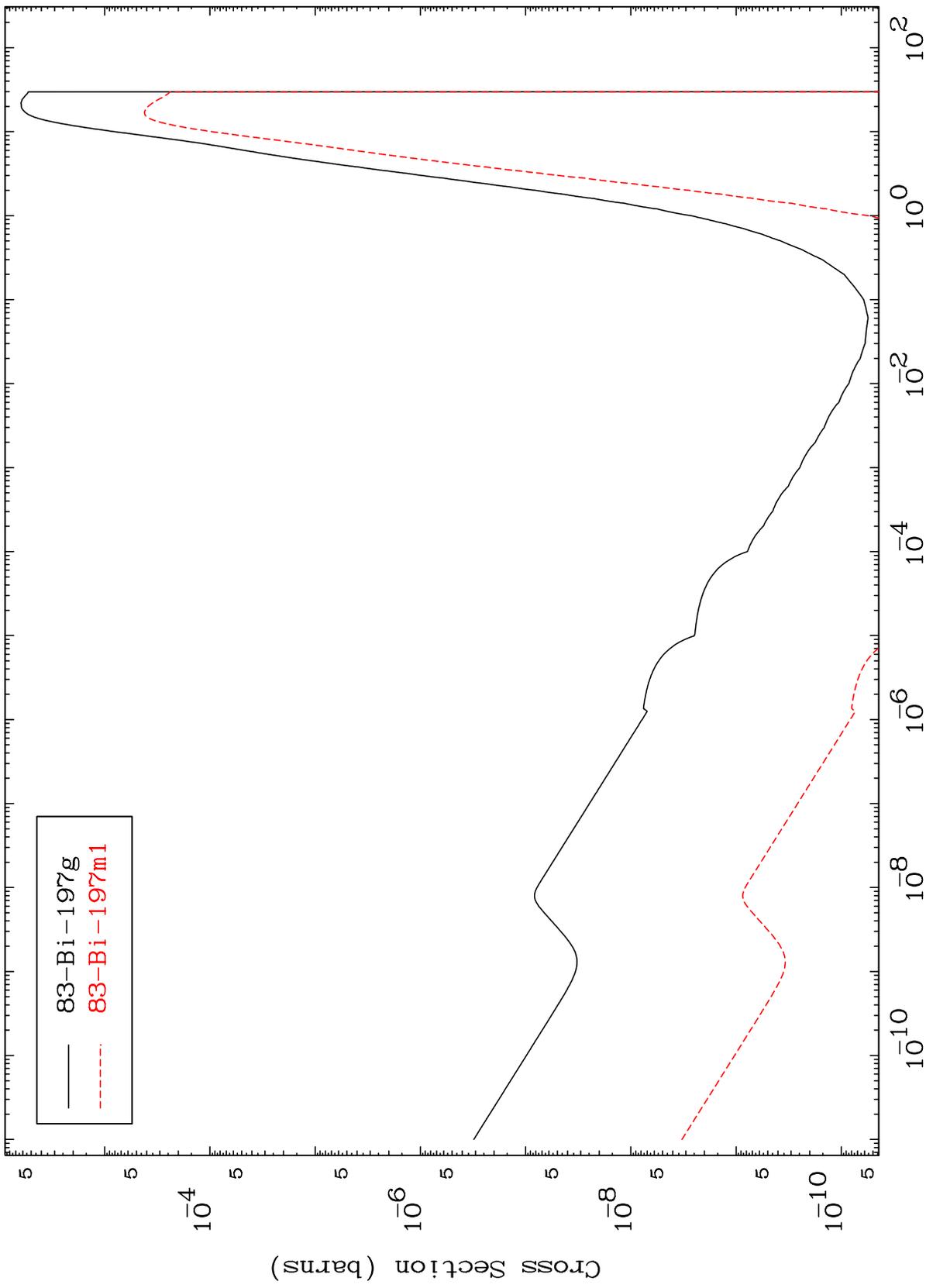
Incident Energy (MeV)

85-At-198

MAT 8510

85-At-198

Radionuclide Production Cross Section
(n,2p)



76

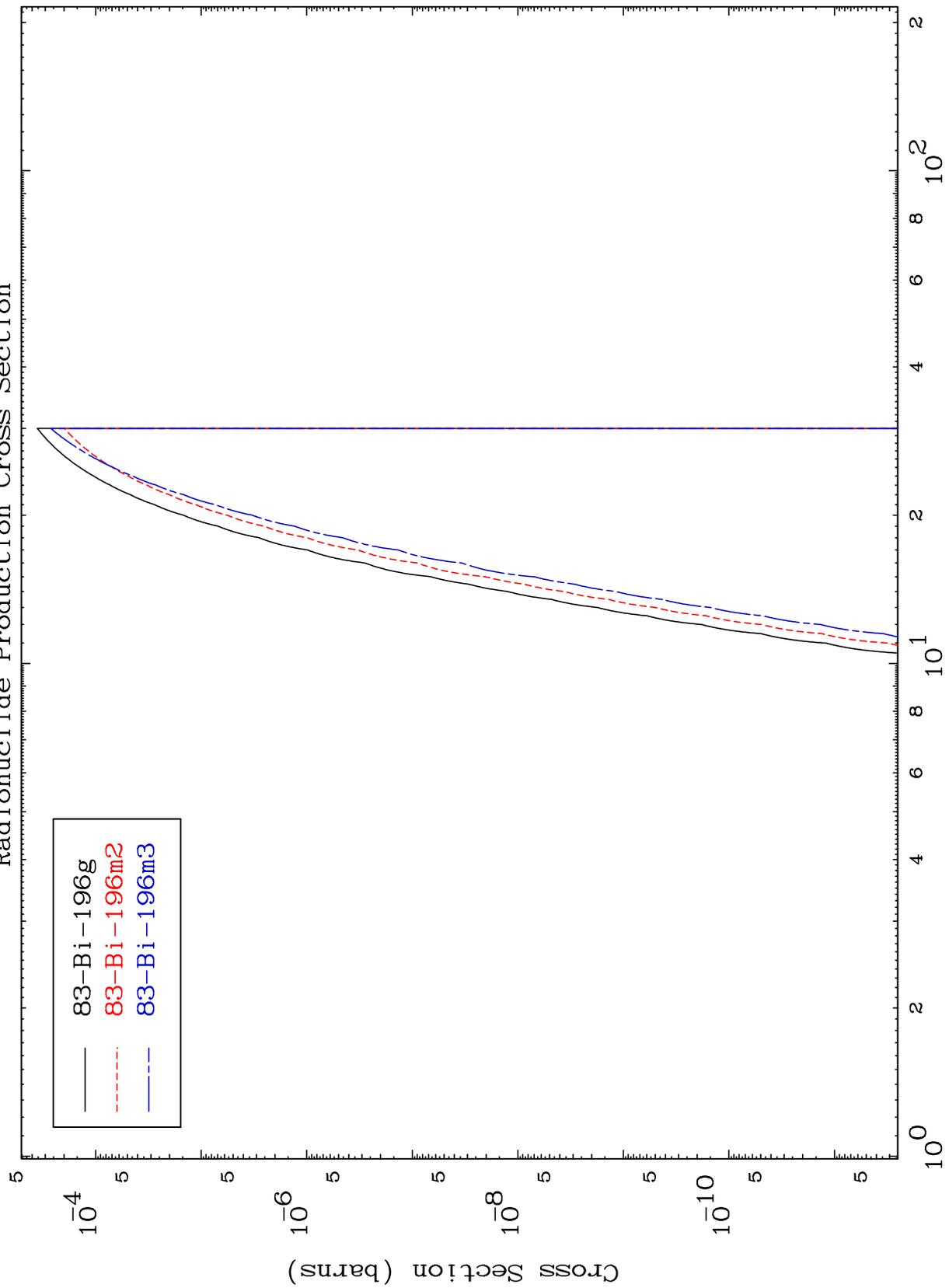
85-At-198

MAT 8510

(n,p) d

85-At-198

Radionuclide Production Cross Section



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

77

Incident Energy (MeV)

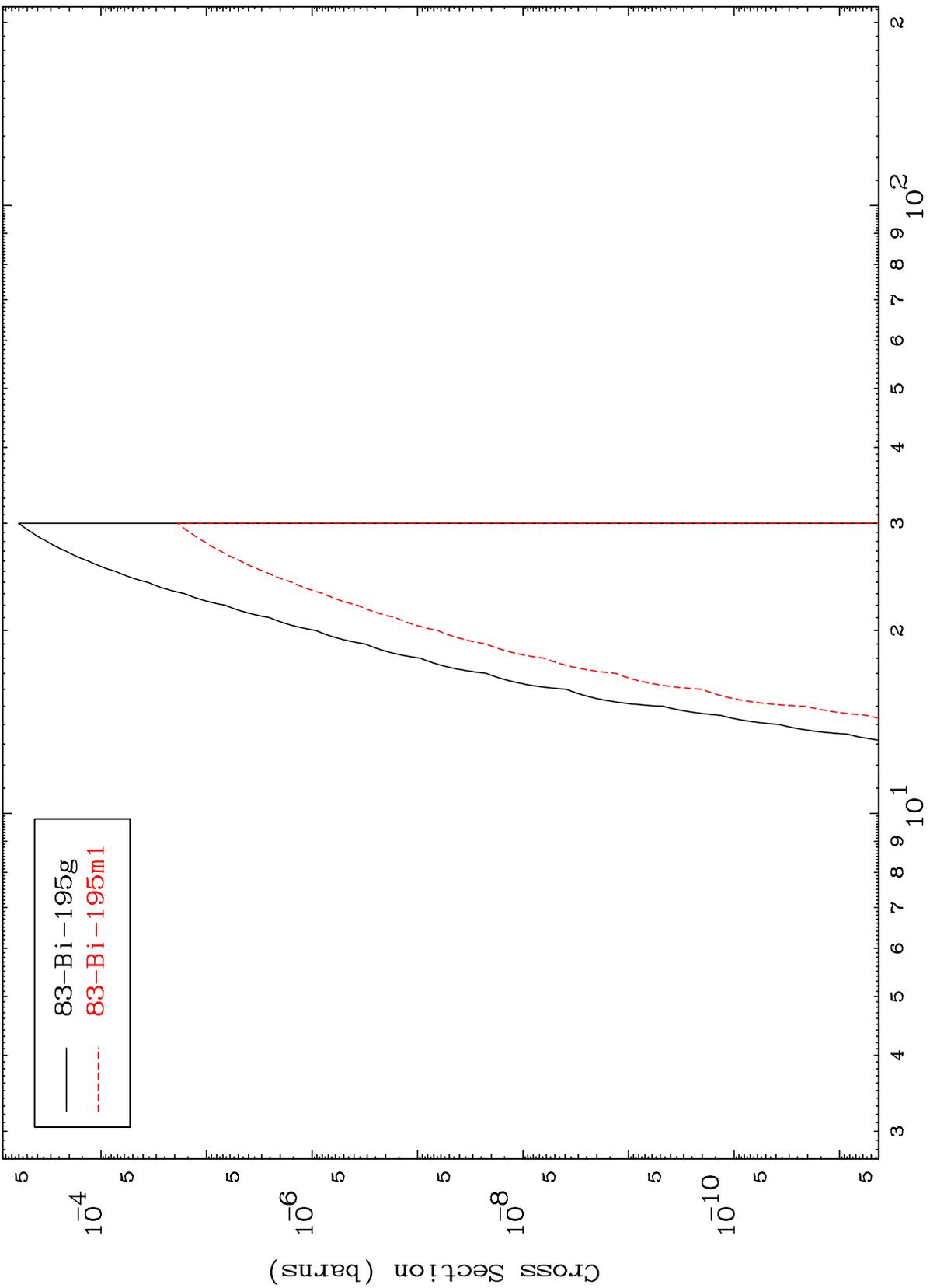
85-At-198

MAT 8510

(n,p) t

85-At-198

Radionuclide Production Cross Section



78

Incident Energy (MeV)

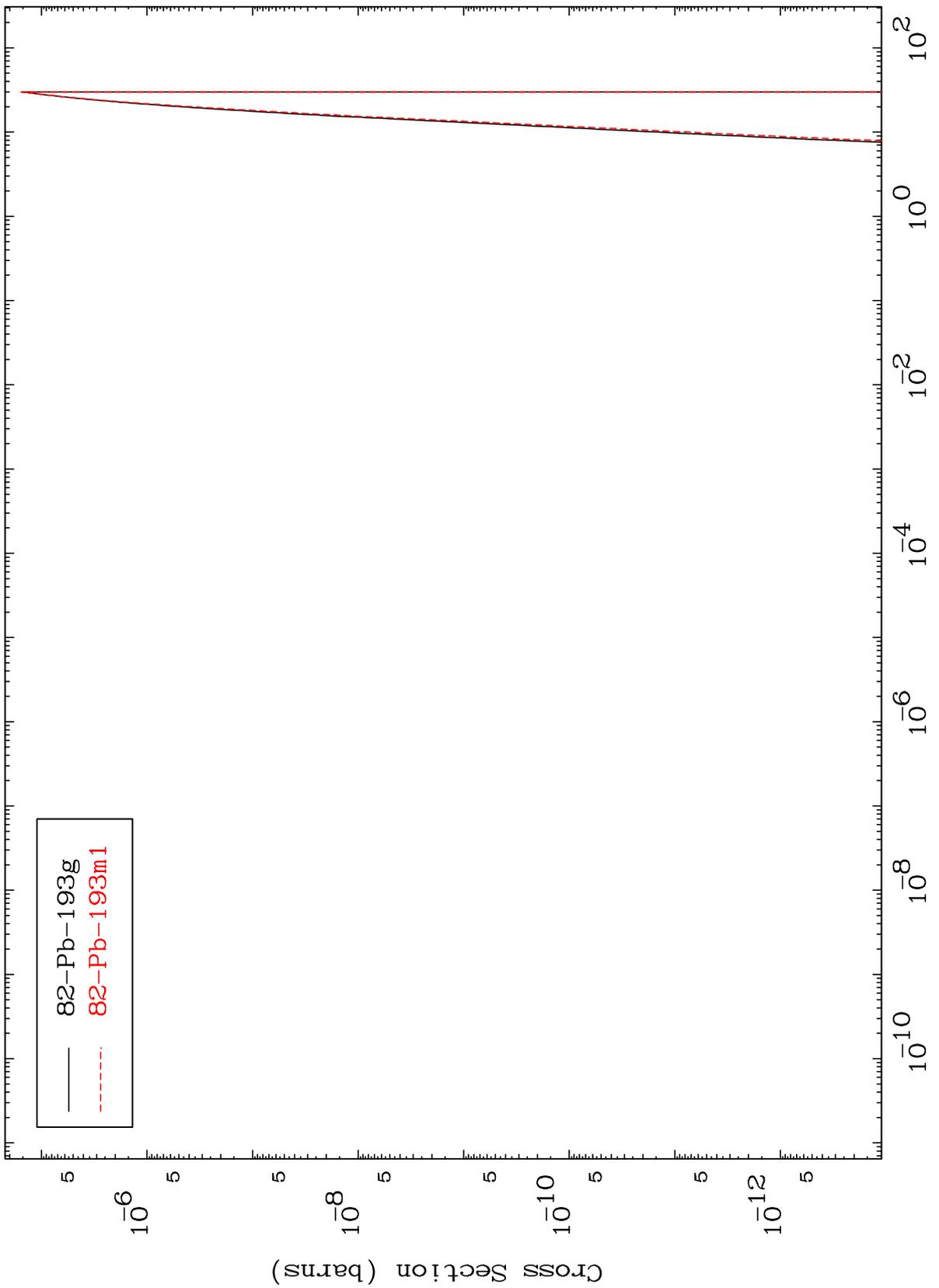
85-At-198

MAT 8510

(n,d) α

85-At-198

Radionuclide Production Cross Section



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

79

Incident Energy (MeV)

85-At-198