

Program EVALPLOT
(Version 2021-1)

by

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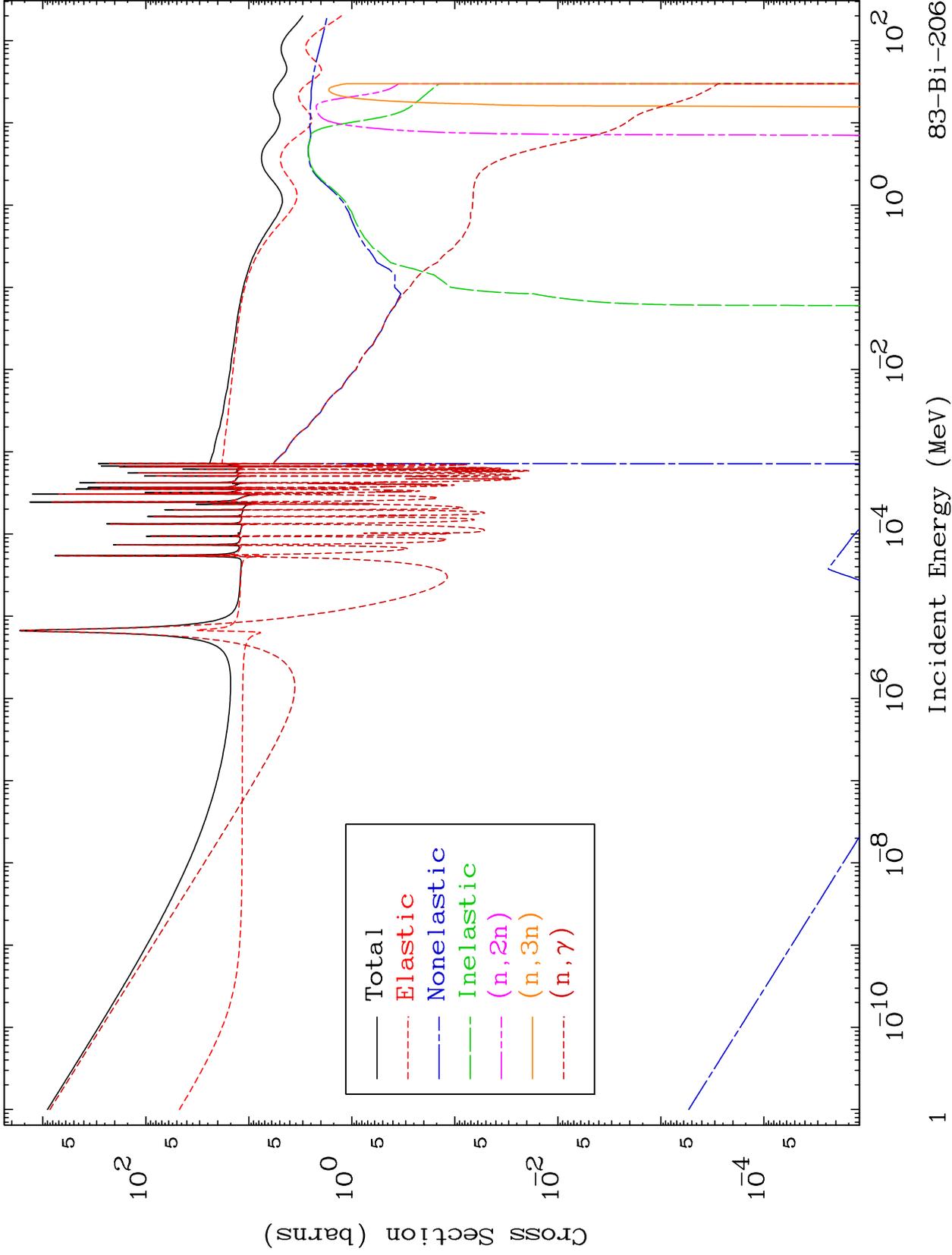
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Press Mouse Button to Start

MAT 8316

Neutron Major
293 Kelvin Cross Sections

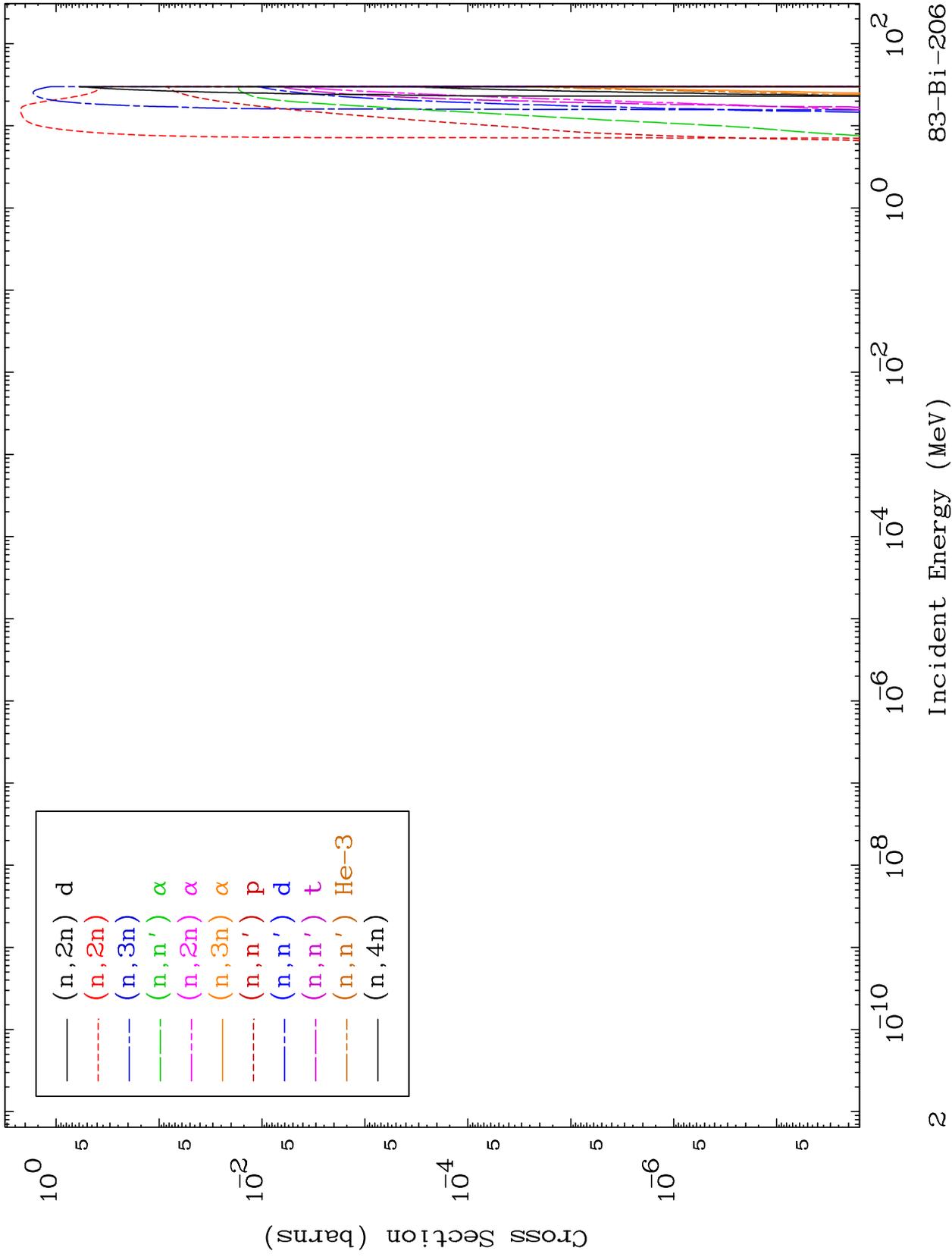
83-Bi-206



MAT 8316

Neutron Absorption
293 Kelvin Cross Sections

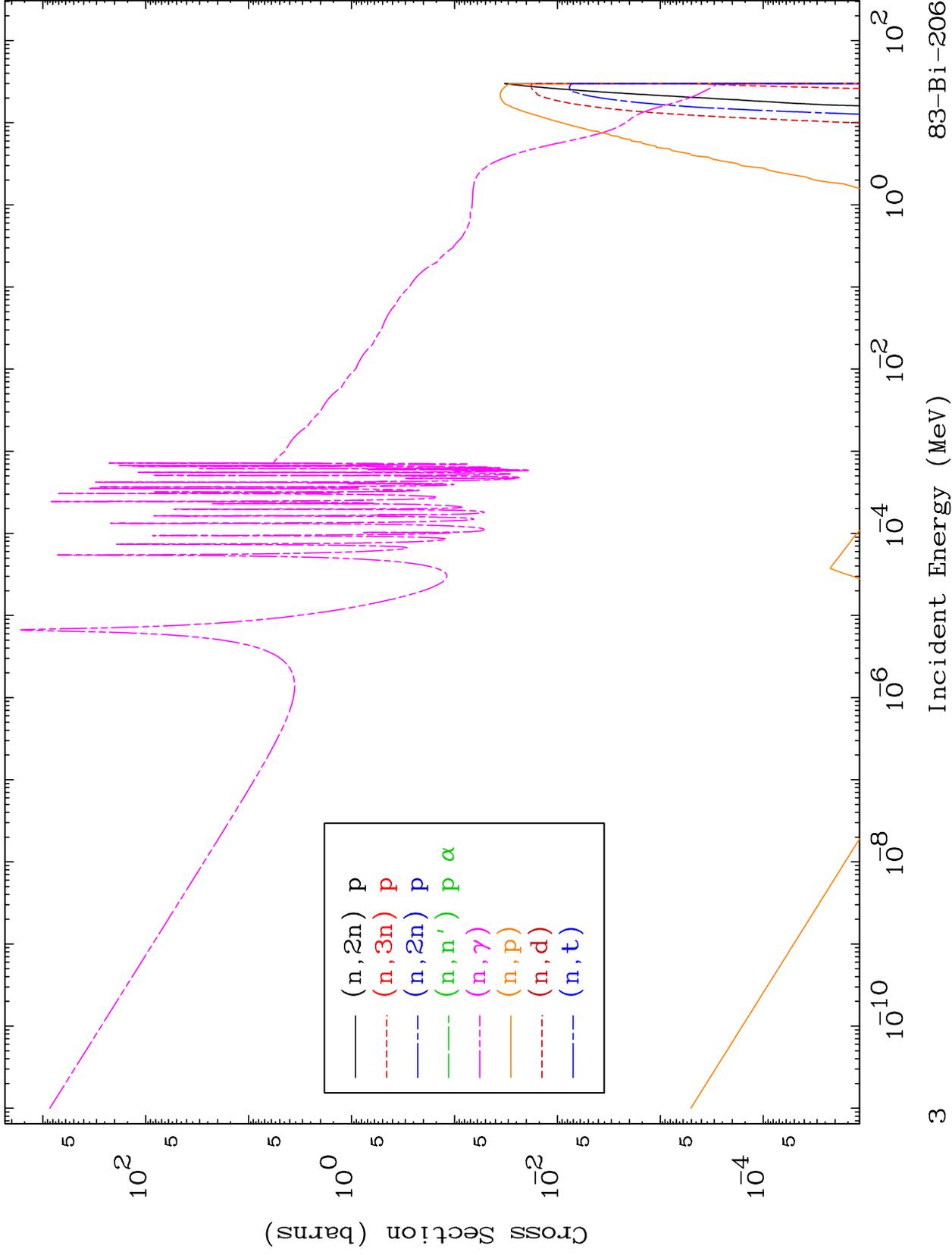
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MAT 8316

Neutron Absorption
293 Kelvin Cross Sections

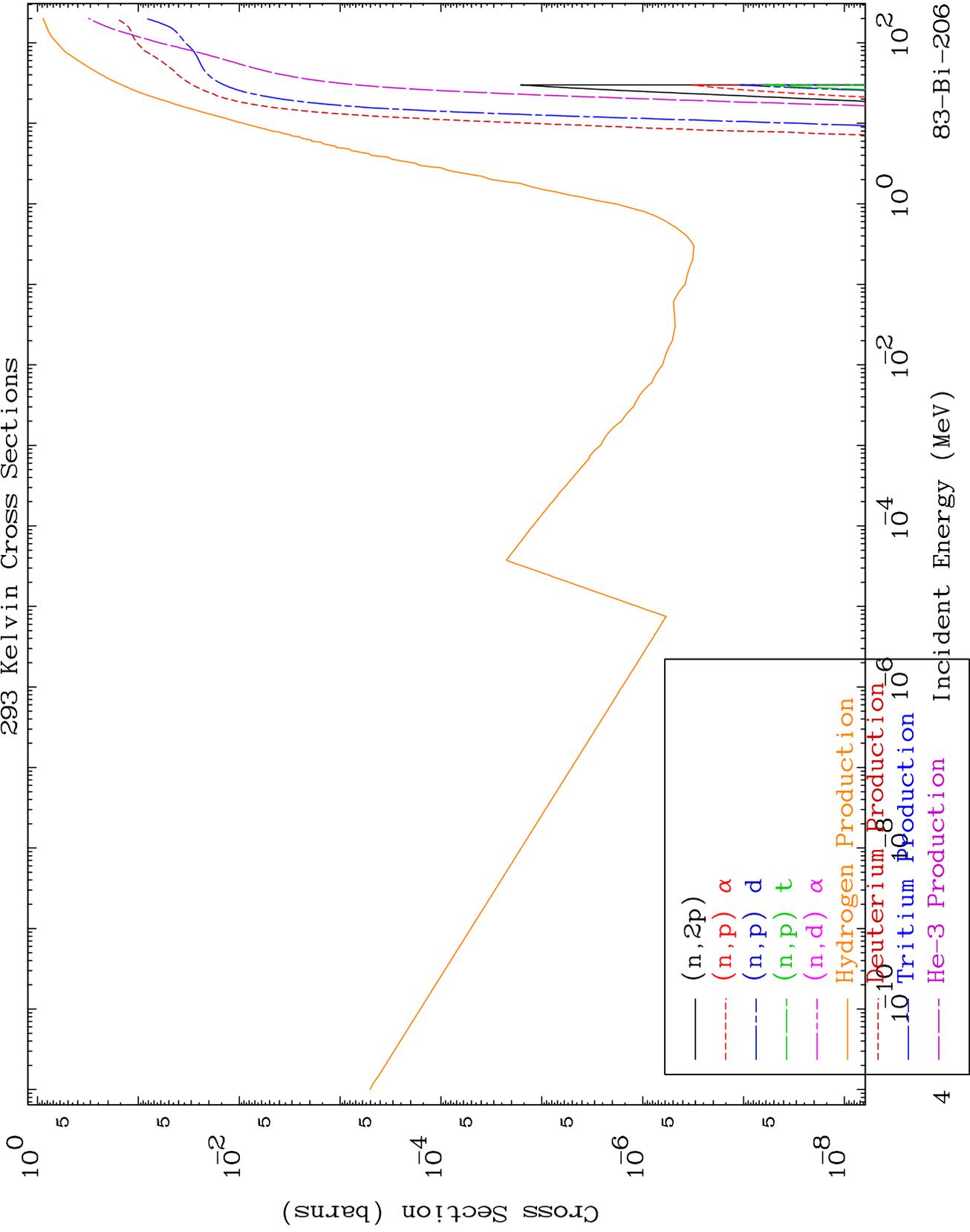
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MAT 8316

Neutron Absorption
293 Kelvin Cross Sections

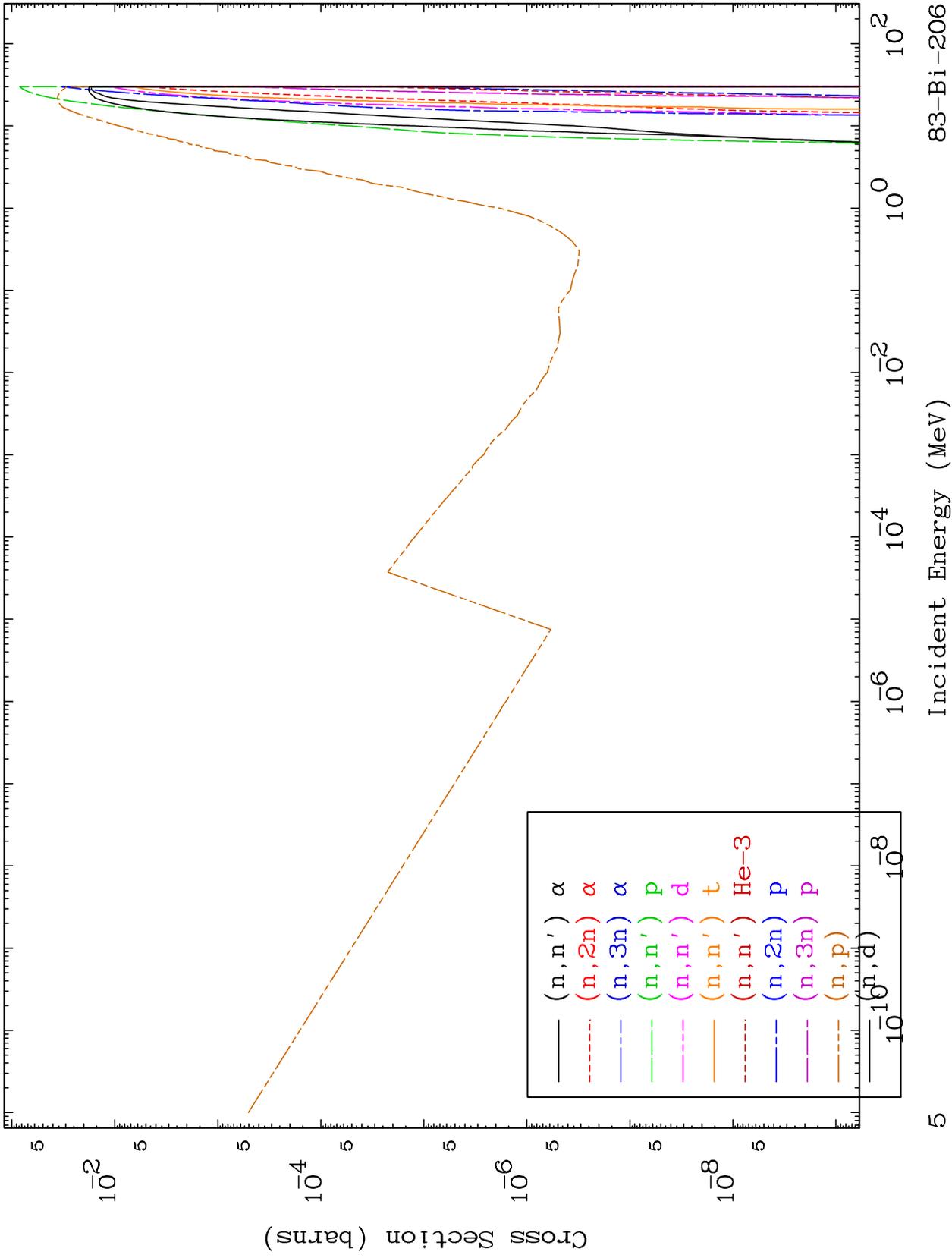
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MAT 8316

Charged Particle
293 Kelvin Cross Sections

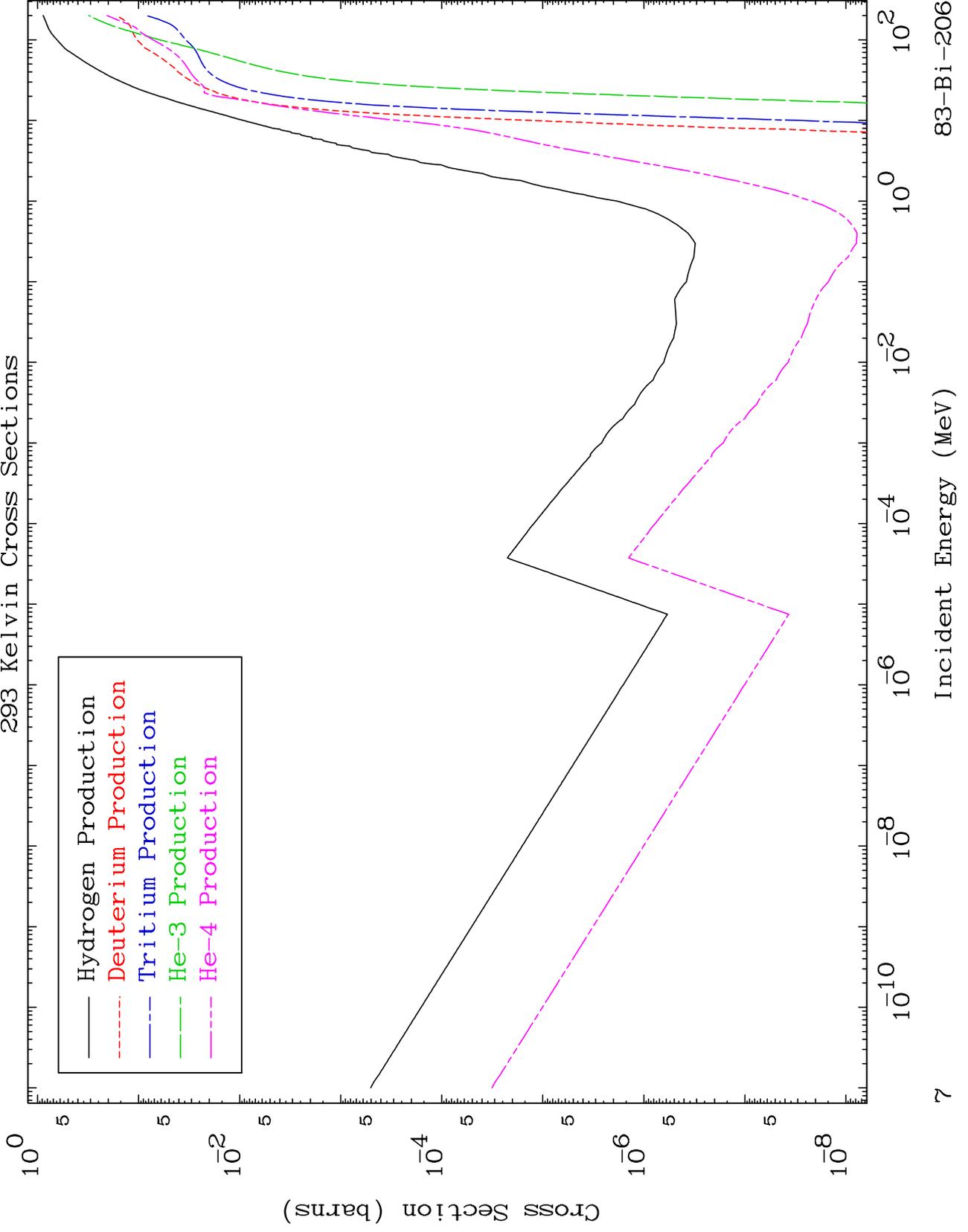
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MAT 8316

Particle Production
293 Kelvin Cross Sections

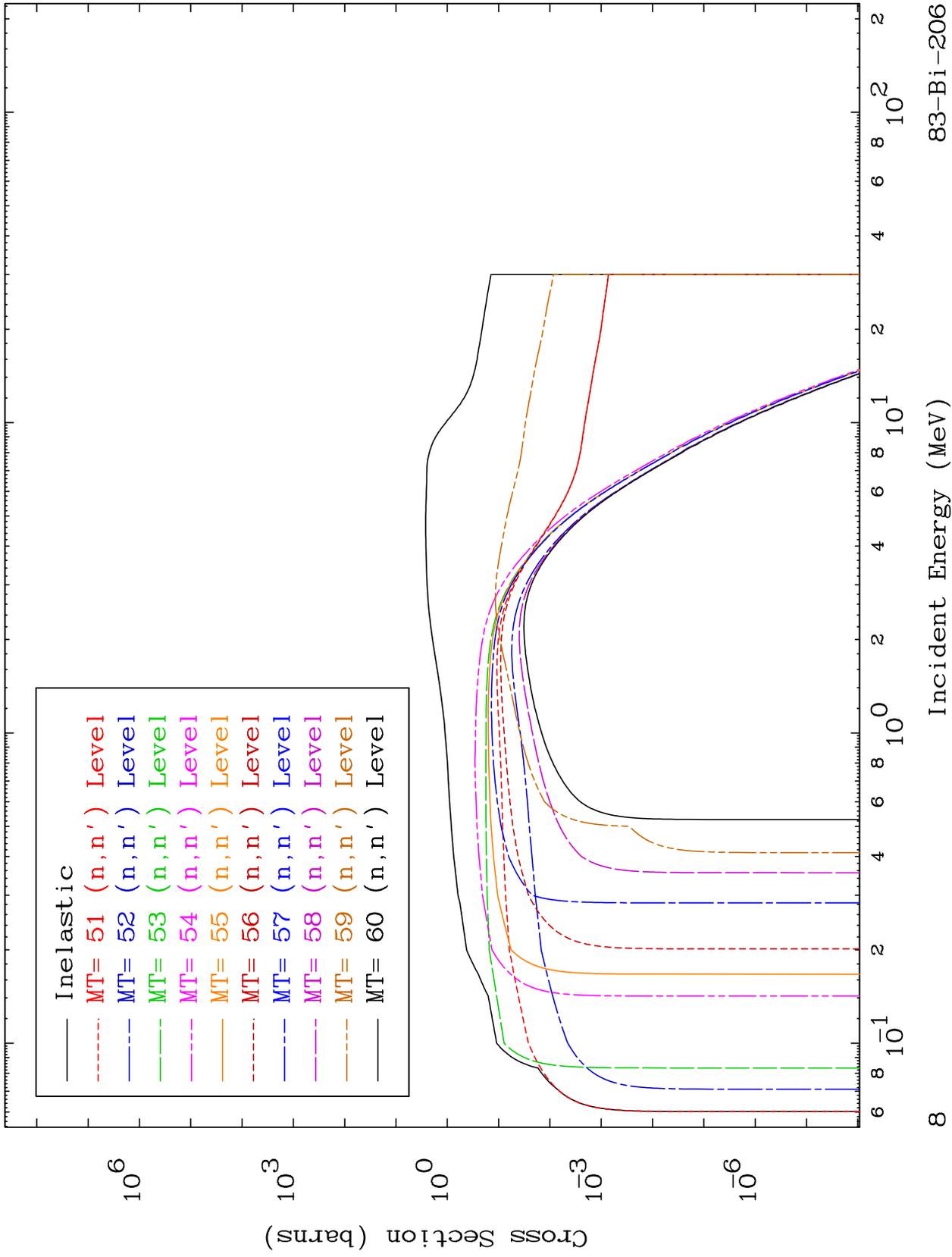
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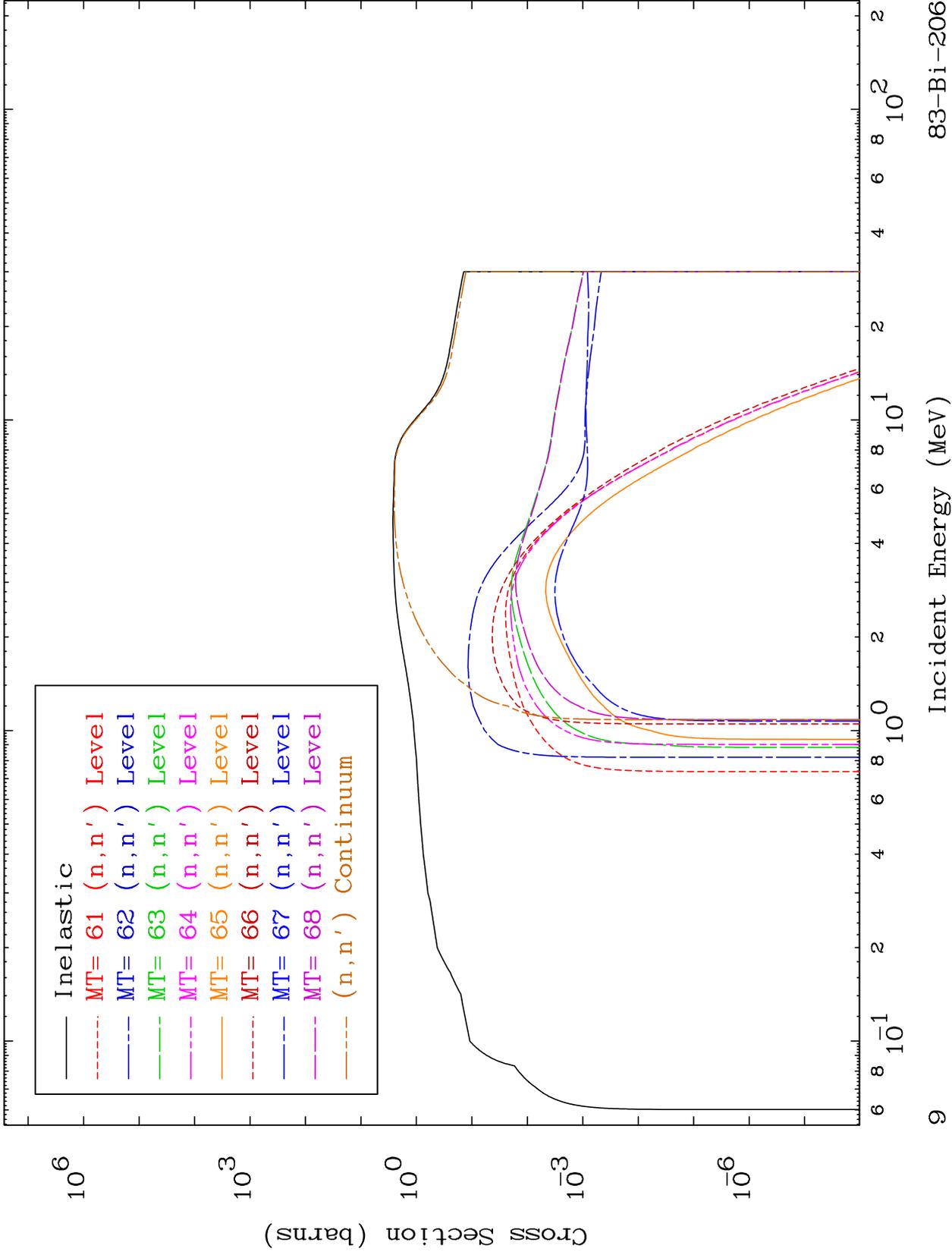


MAT 8316

(n,n') Levels
293 Kelvin Cross Sections

83-Bi-206

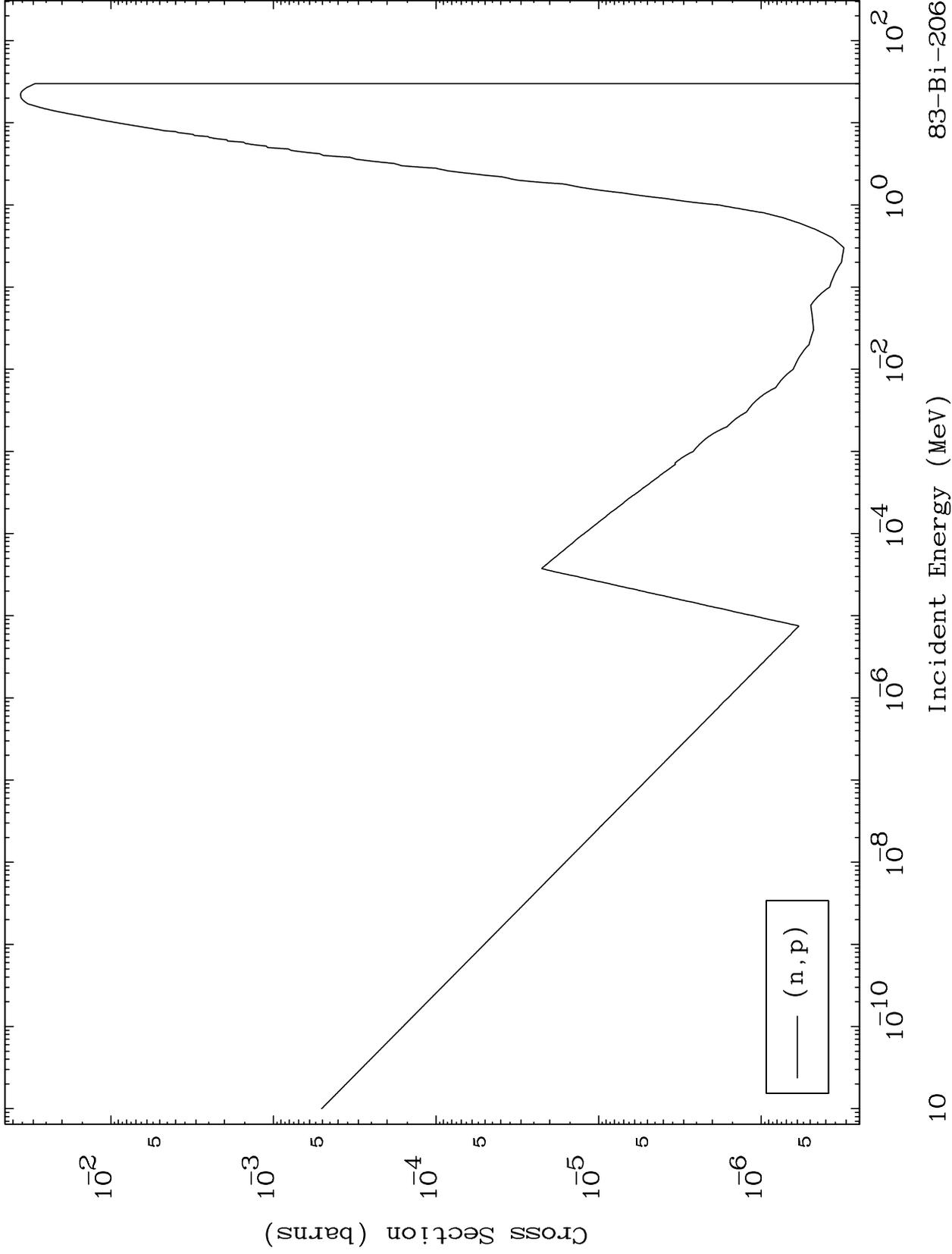




MAT 8316

(n,p) Levels
293 Kelvin Cross Sections

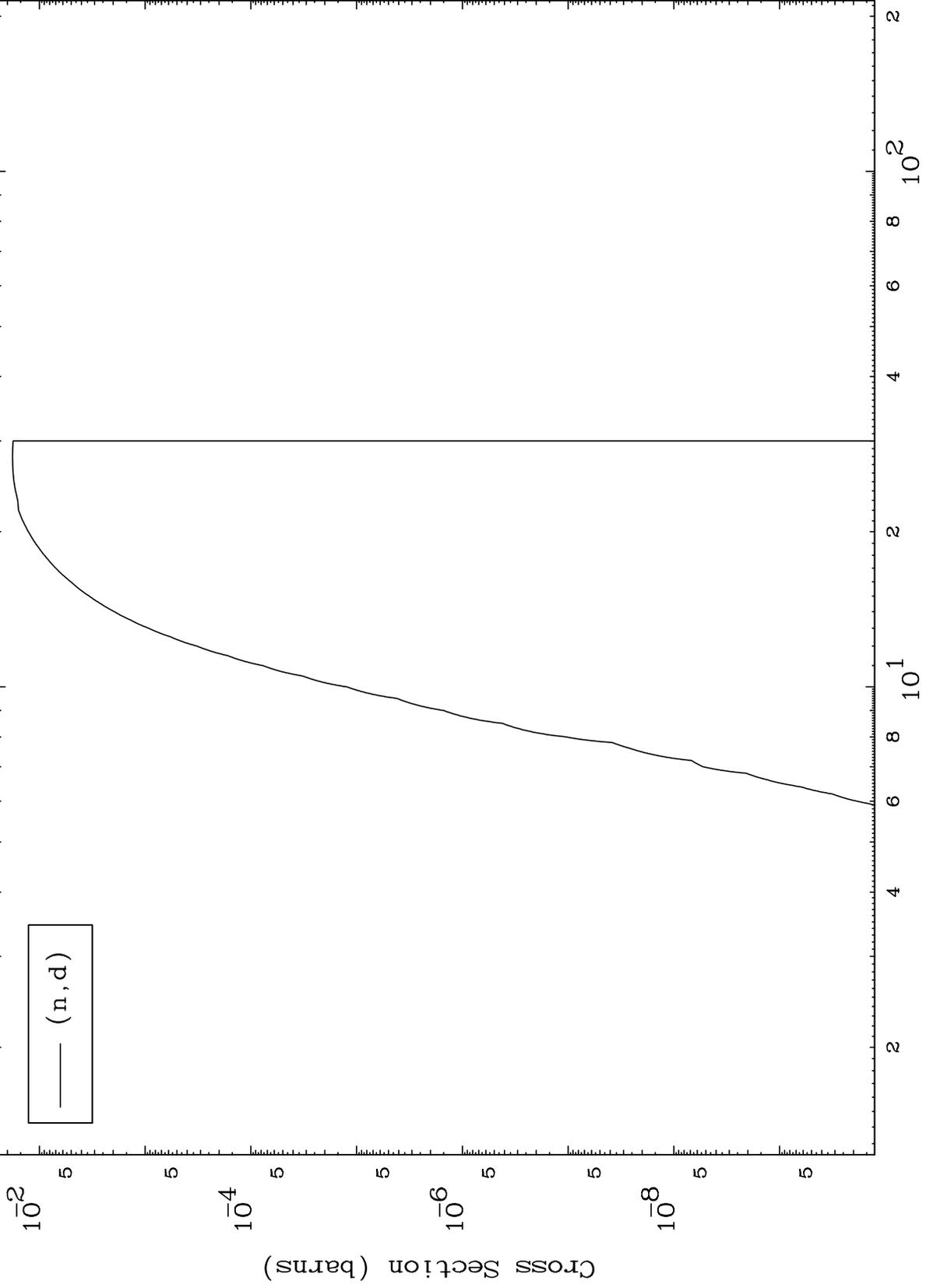
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MAT 8316

(n,d) Levels
293 Kelvin Cross Sections

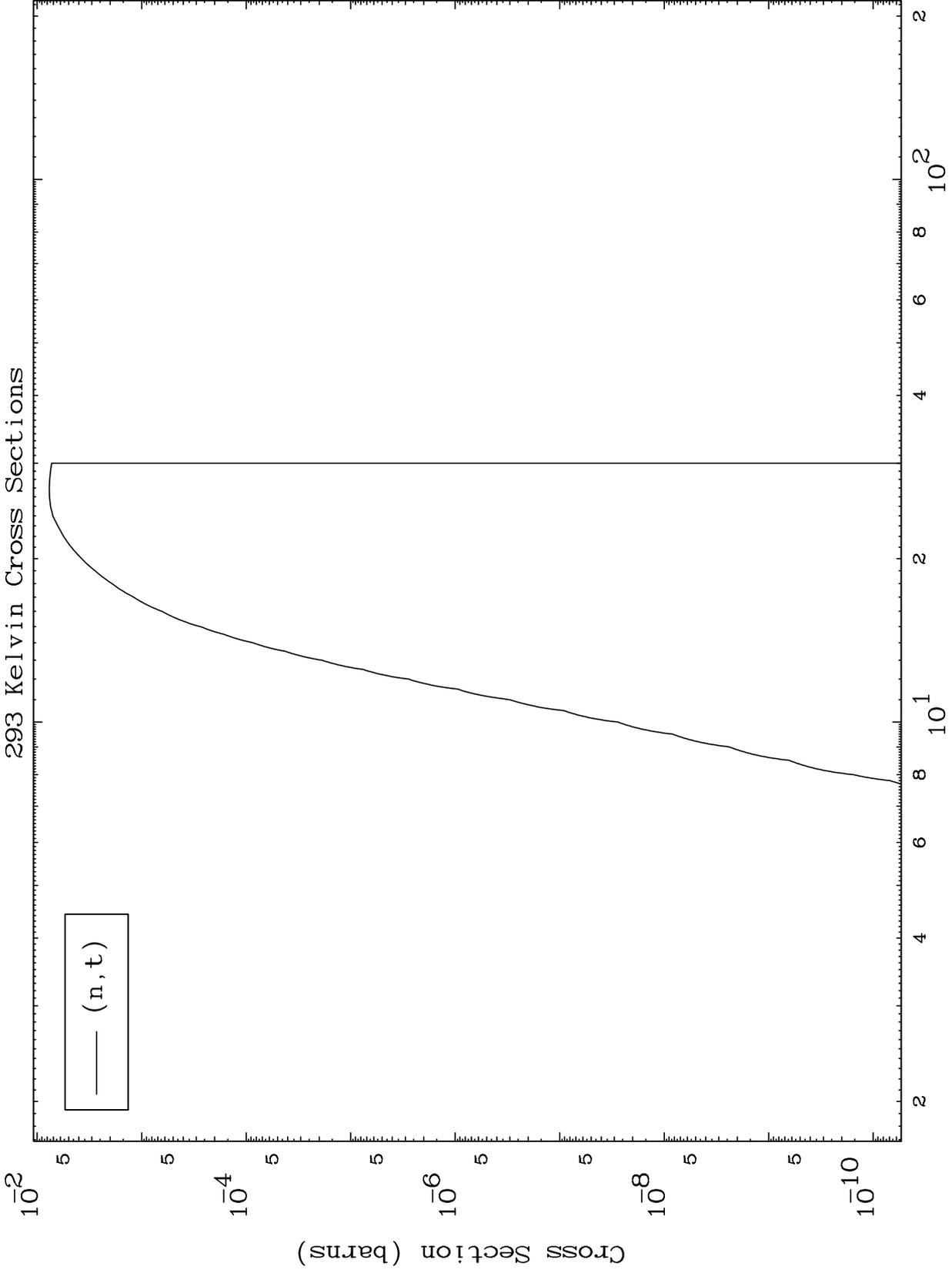
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MAT 8316

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-206



12

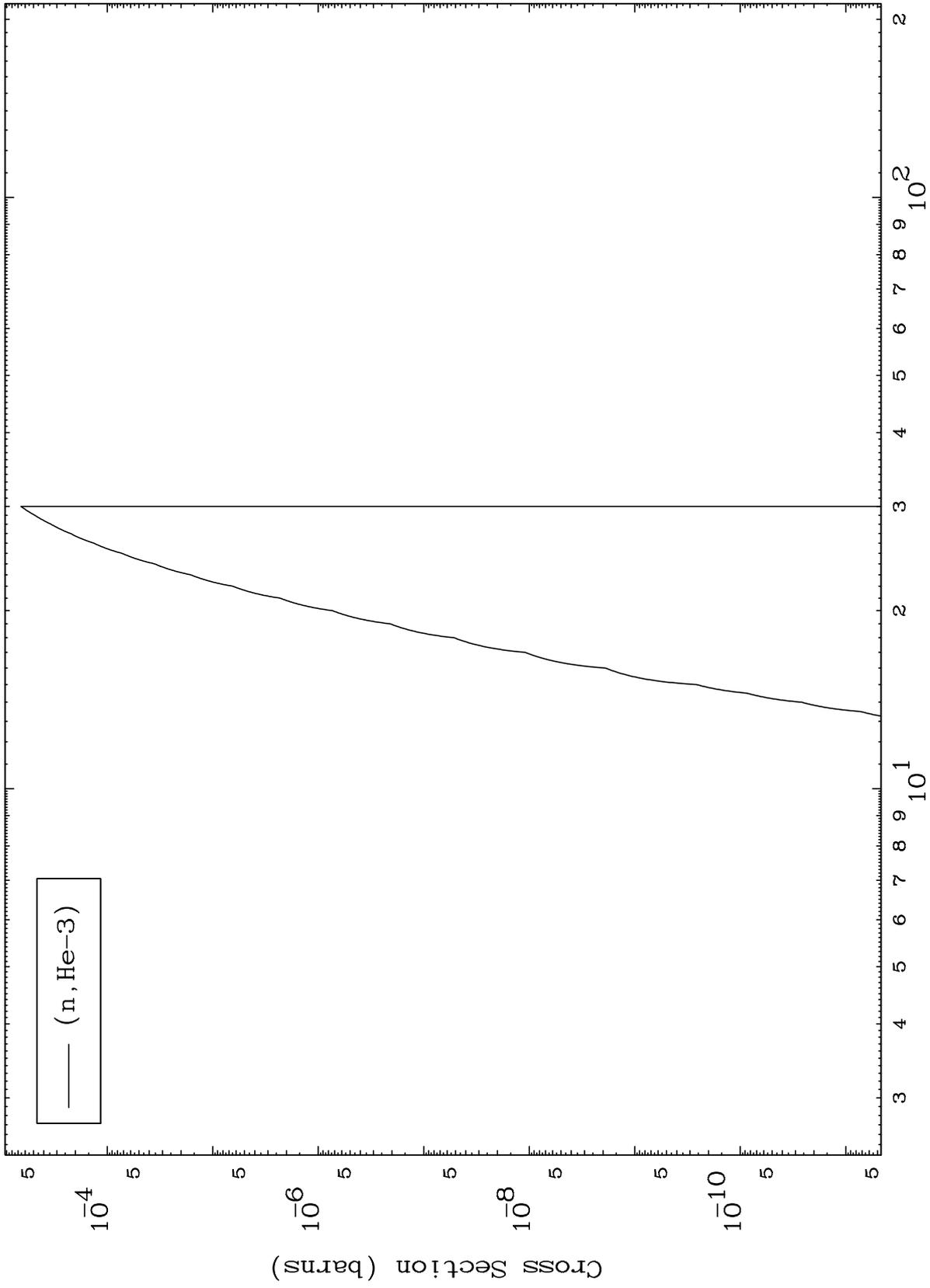
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83-Bi-206

MAT 8316

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-206



13

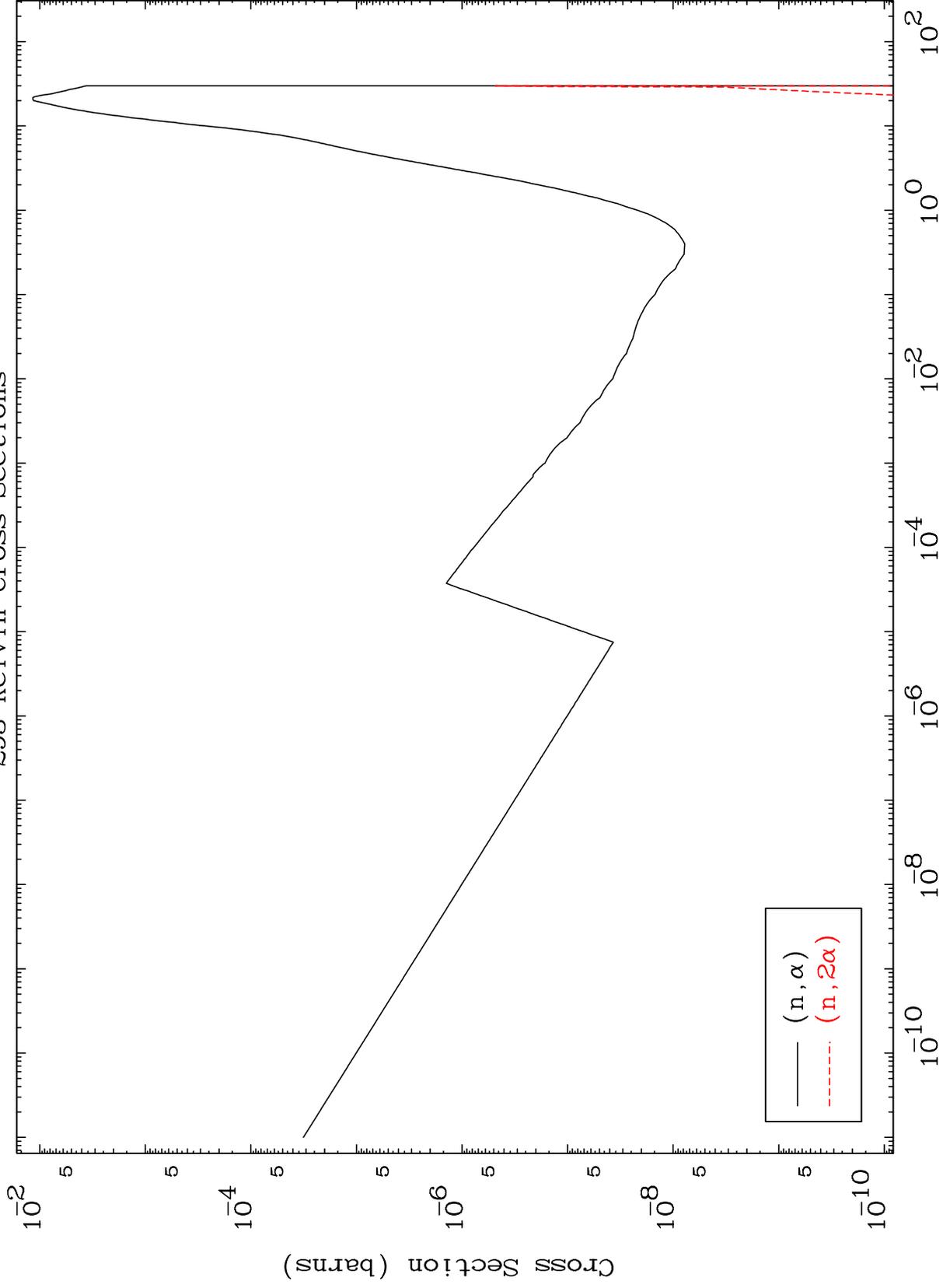
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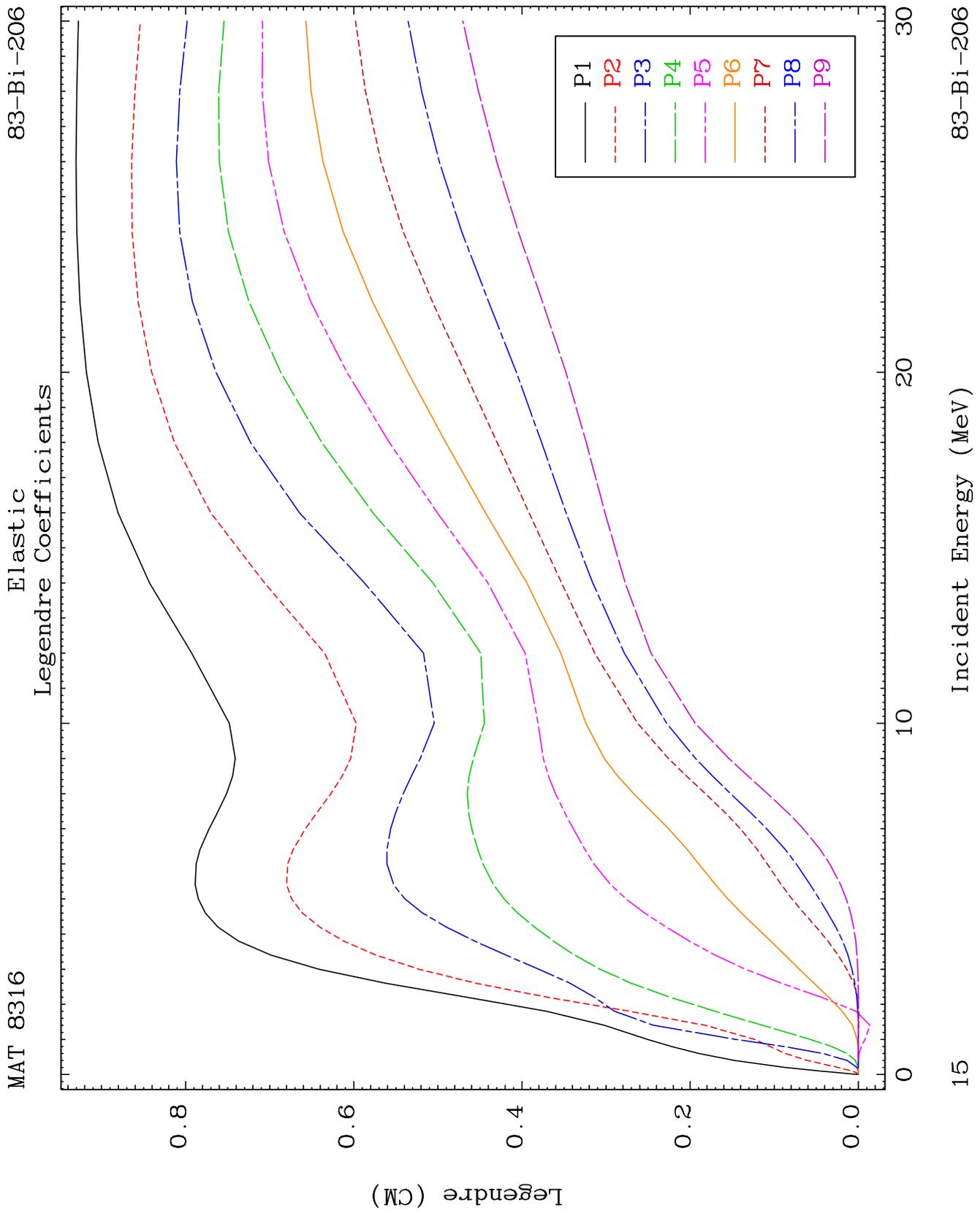
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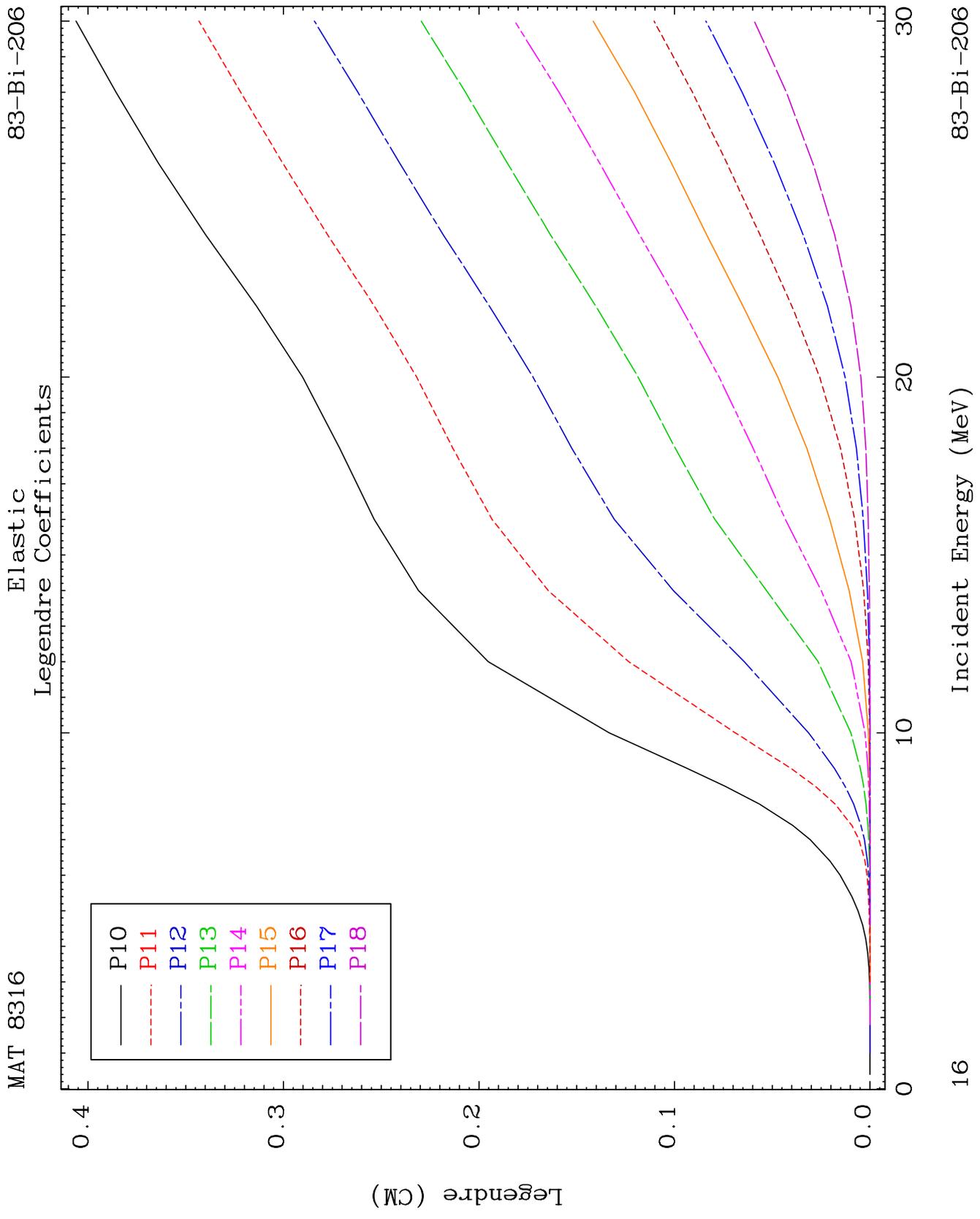
MAT 8316

(n,α) Levels
293 Kelvin Cross Sections

83-Bi-206



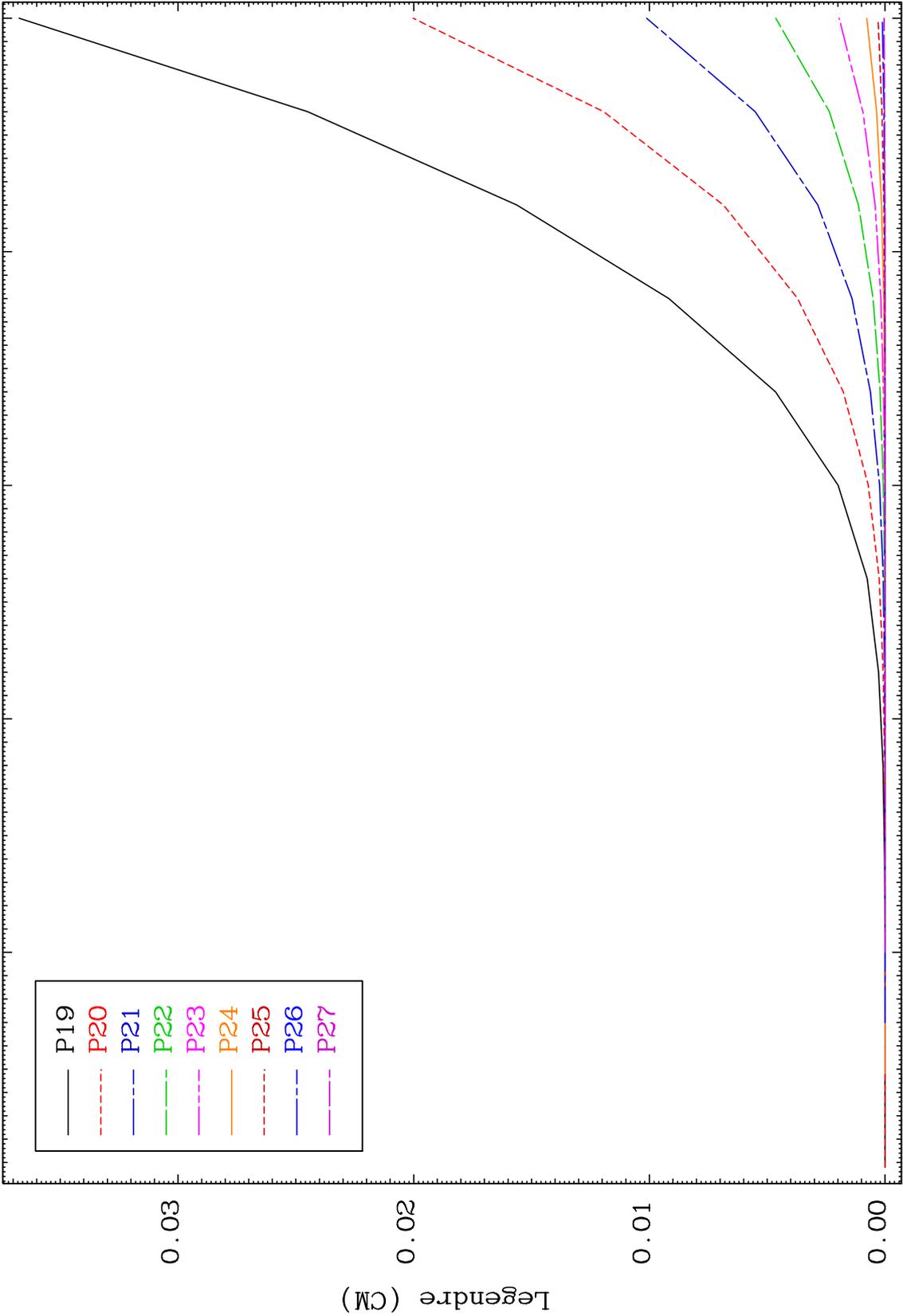




MAT 8316

Elastic Legendre Coefficients

83-Bi-206



17

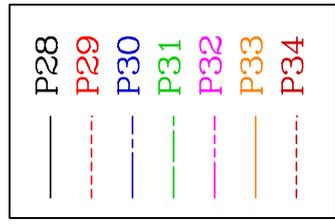
Incident Energy (MeV)

83-Bi-206

MAT 8316

Elastic Legendre Coefficients

83-Bi-206



$\times 10^{-5}$

1.2

0.8

0.4

0.0

Legendre (CM)

15

20

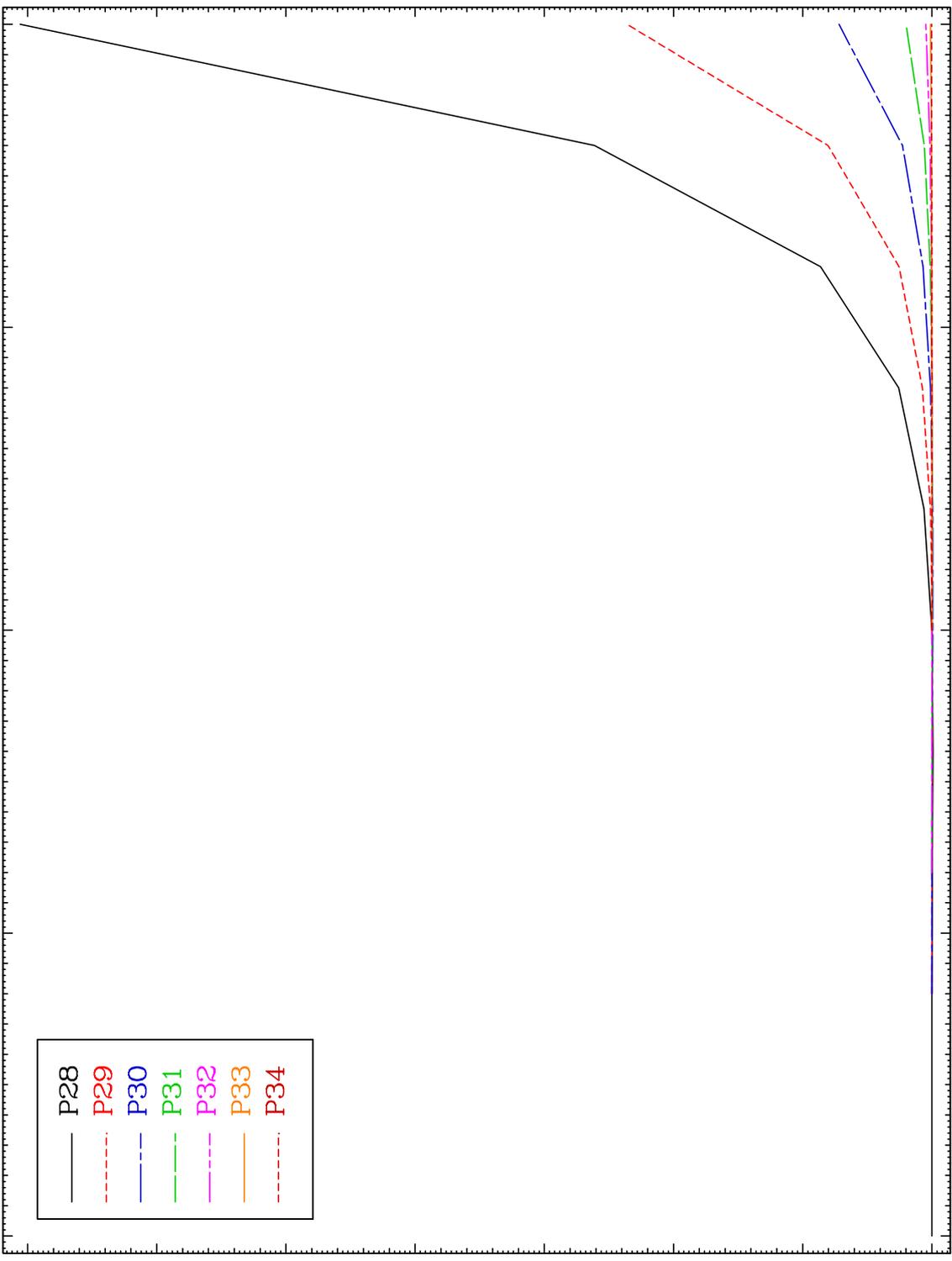
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30

18

Incident Energy (MeV)

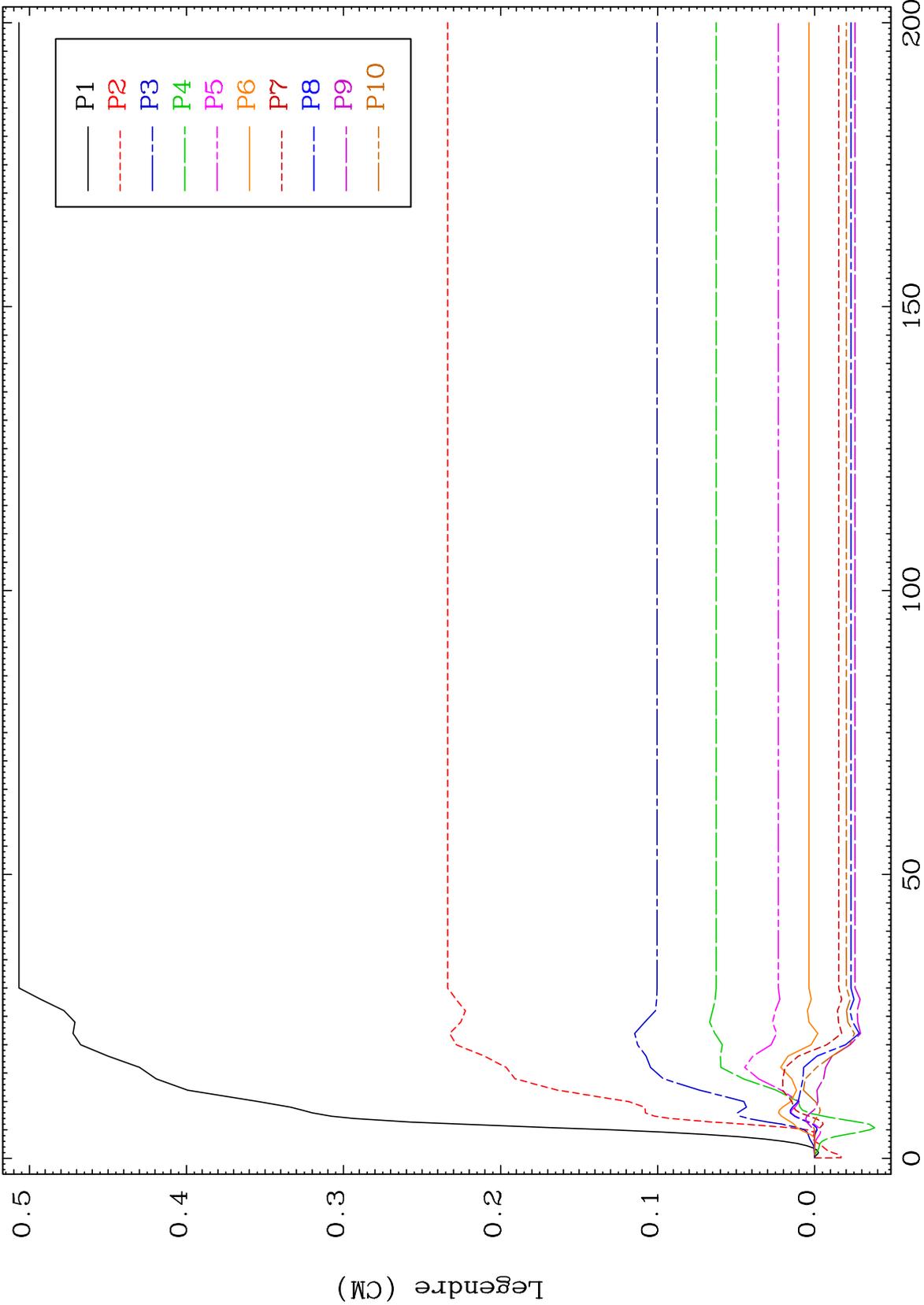
83-Bi-206



MAT 8316

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

83-Bi-206



19

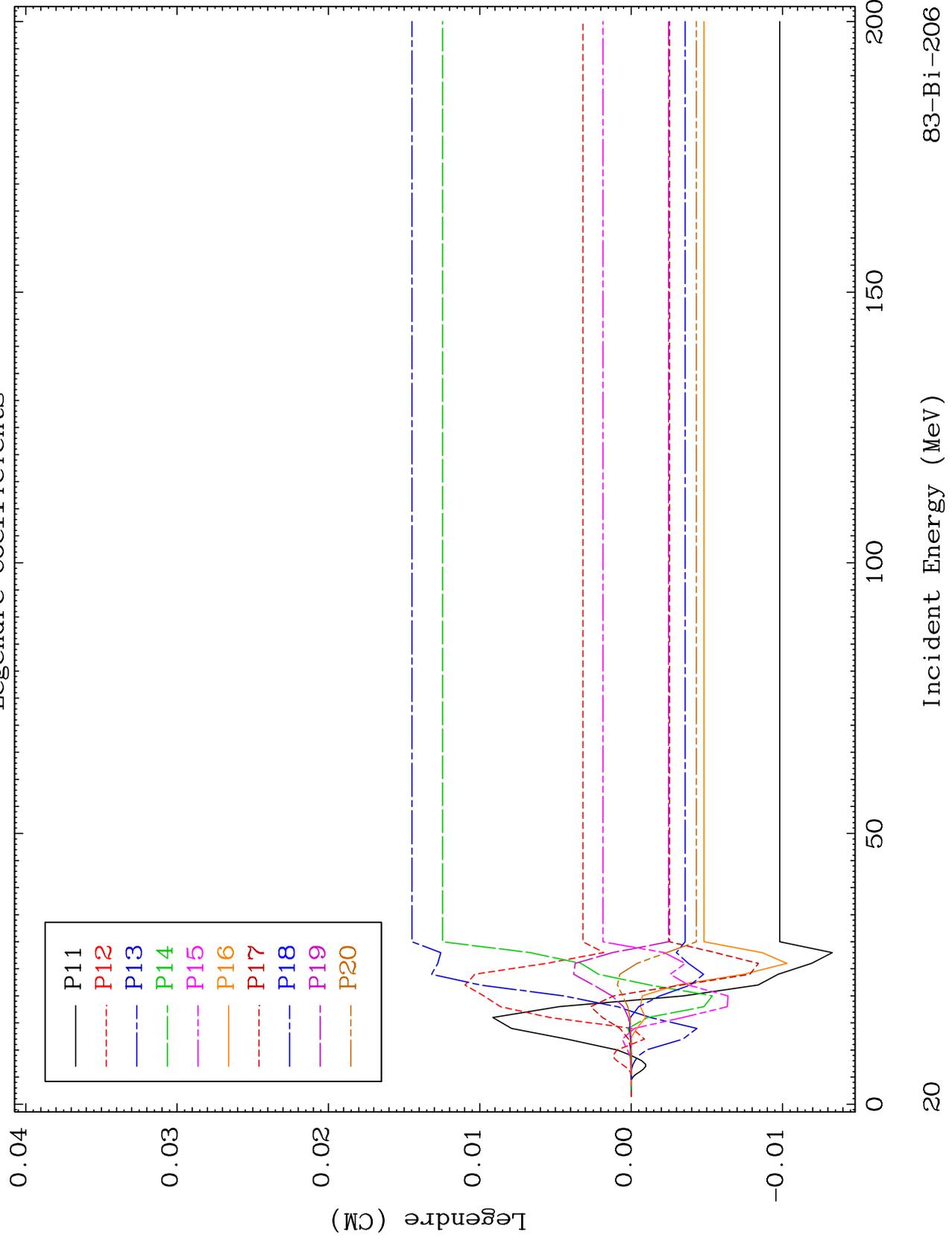
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

83-Bi-206



83-Bi-206

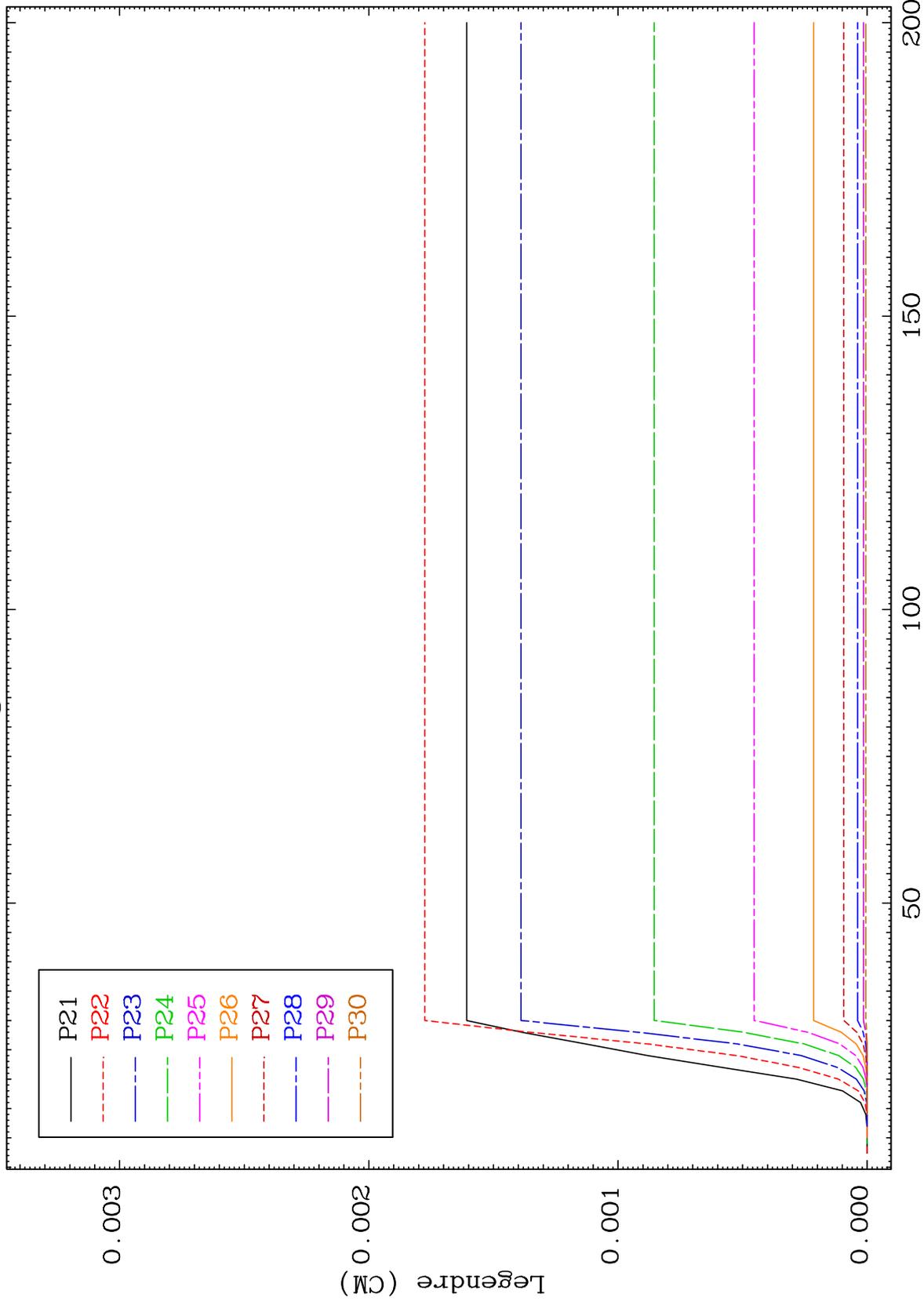
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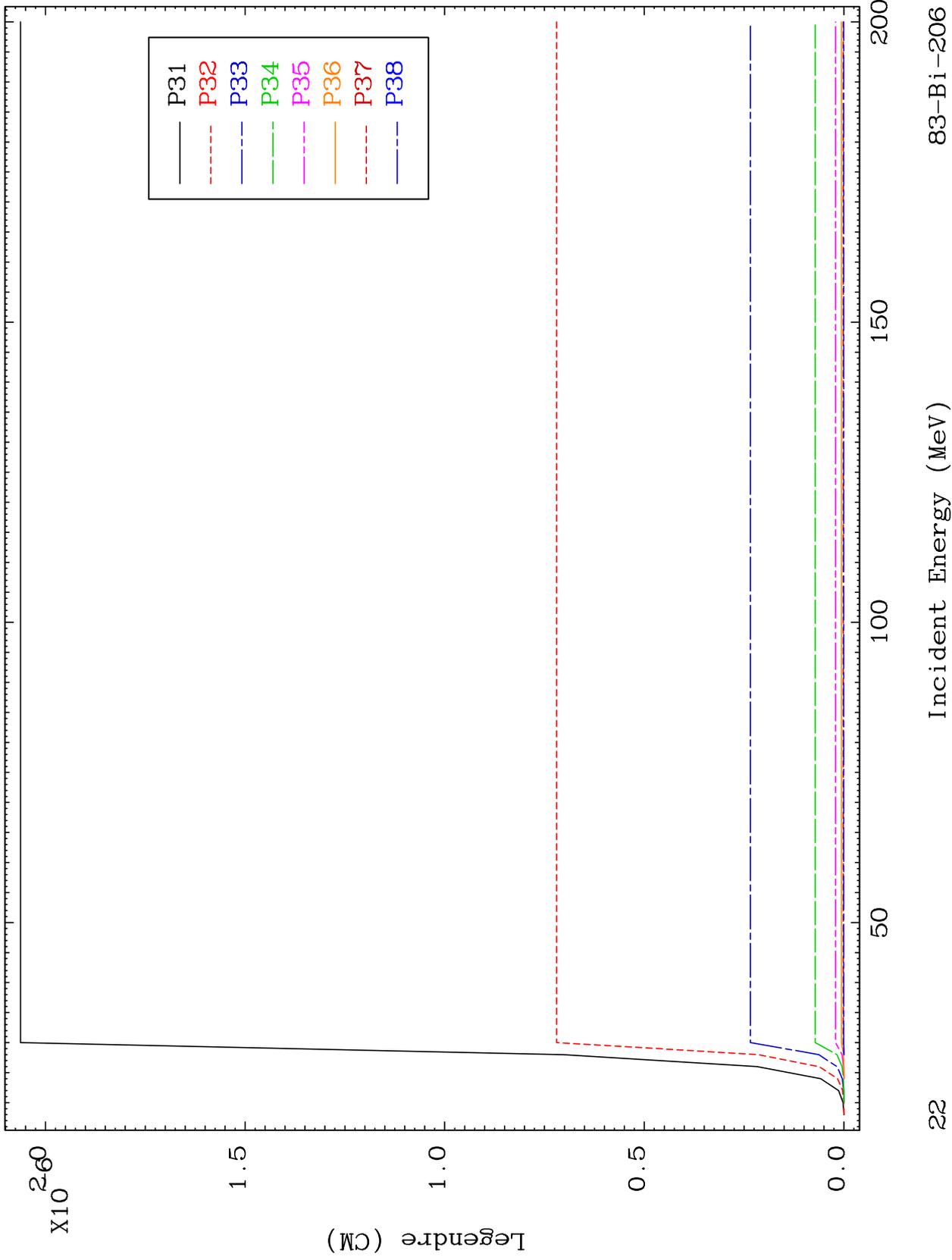
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MAT 8316

83-Bi-206

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

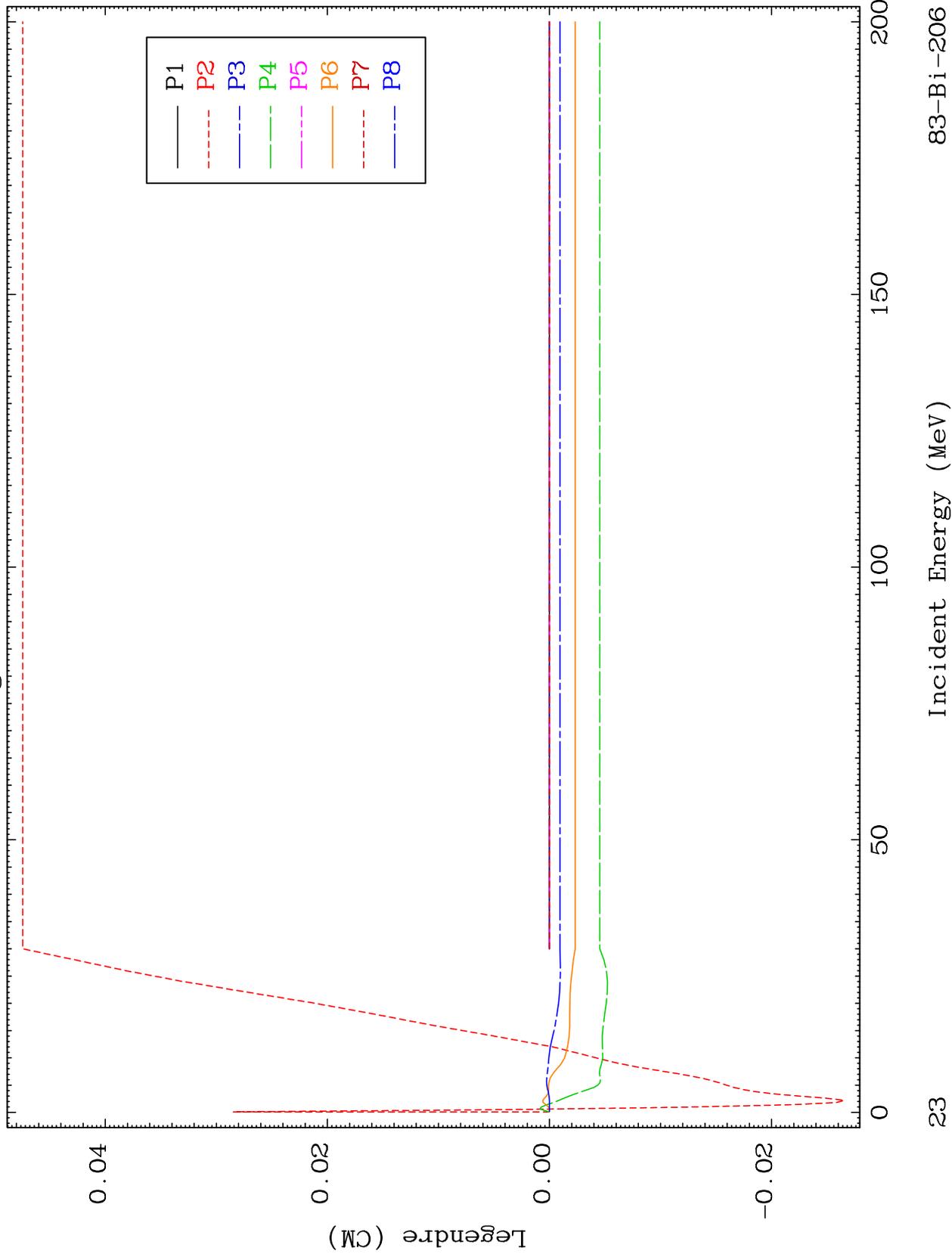




MAT 8316

83-Bi-206

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



83-Bi-206

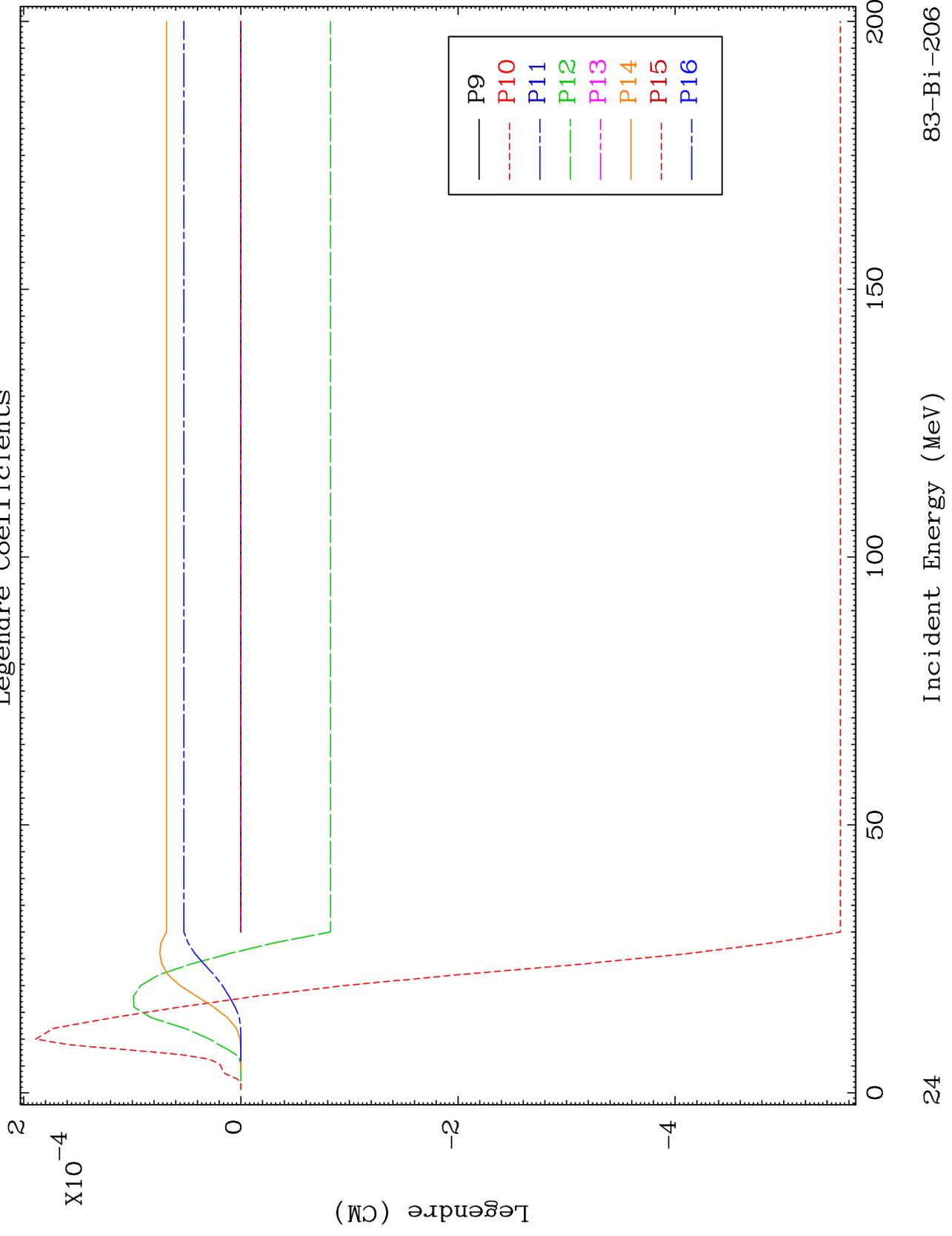
Incident Energy (MeV)

23

MAT 8316

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

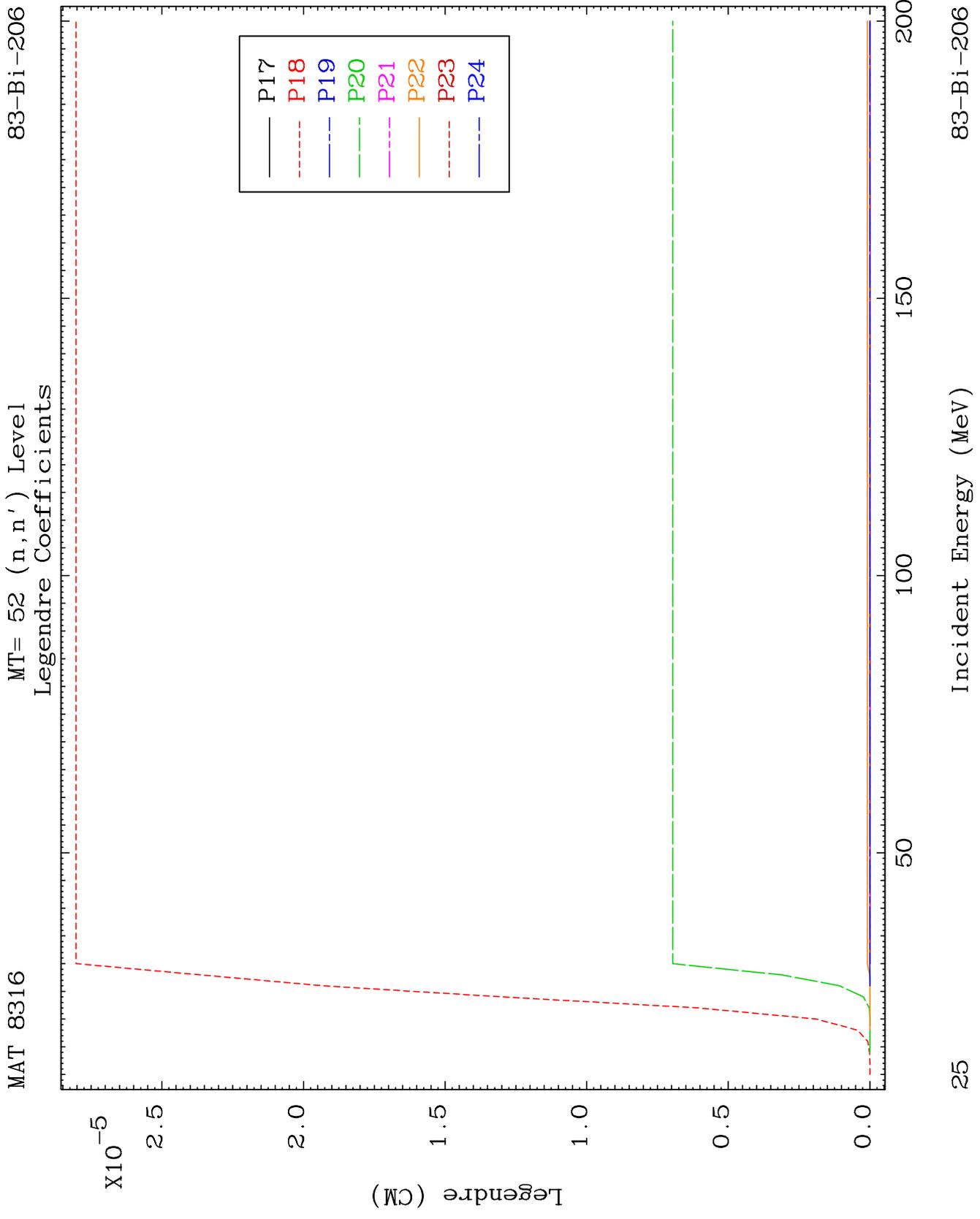
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24

83-Bi-206

83-Bi-206



83-Bi-206

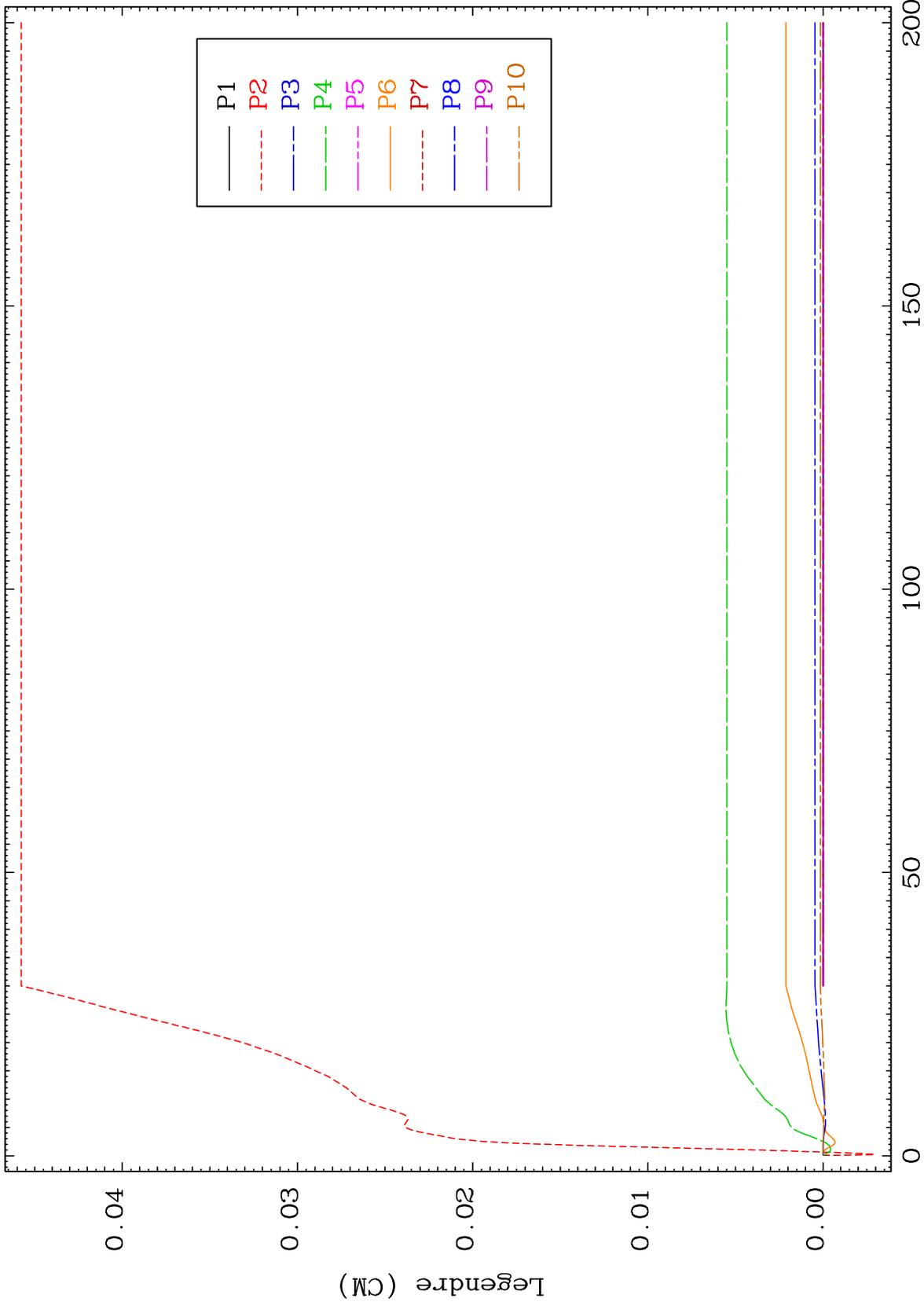
Incident Energy (MeV)

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MAT 8316

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

83-Bi-206



26

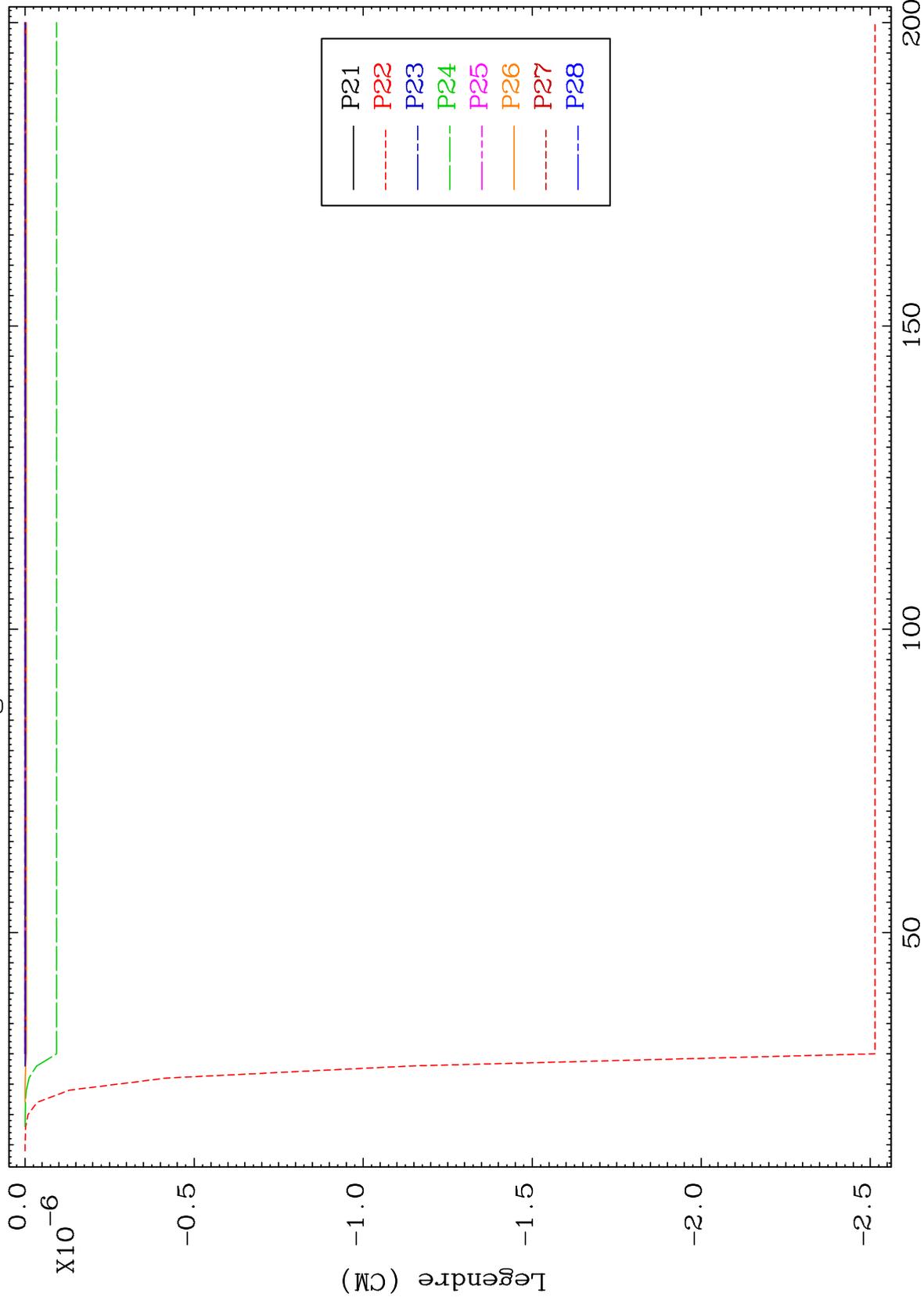
Incident Energy (MeV)

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MAT 8316

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

83-Bi-206



28

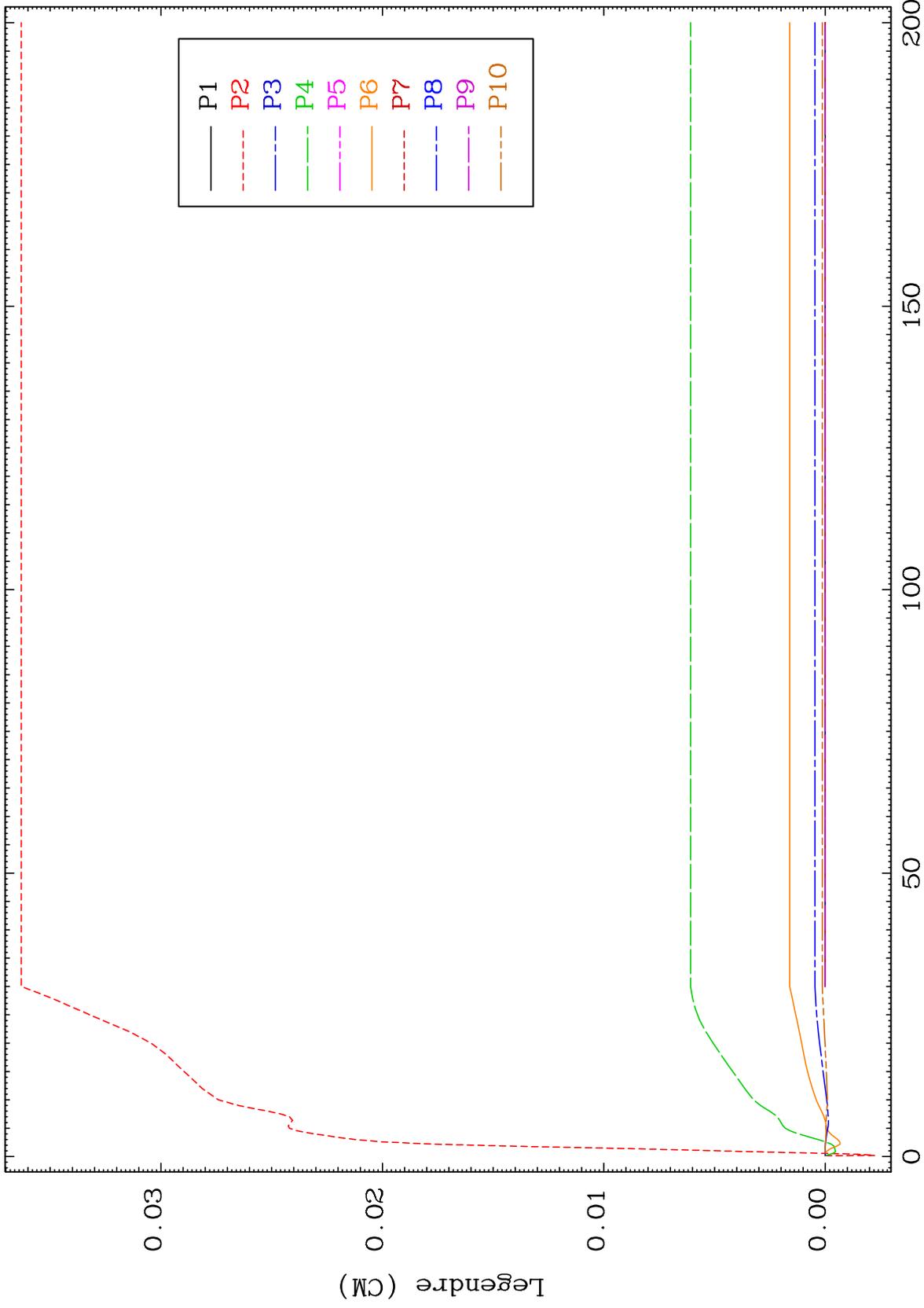
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

83-Bi-206



29

Incident Energy (MeV)

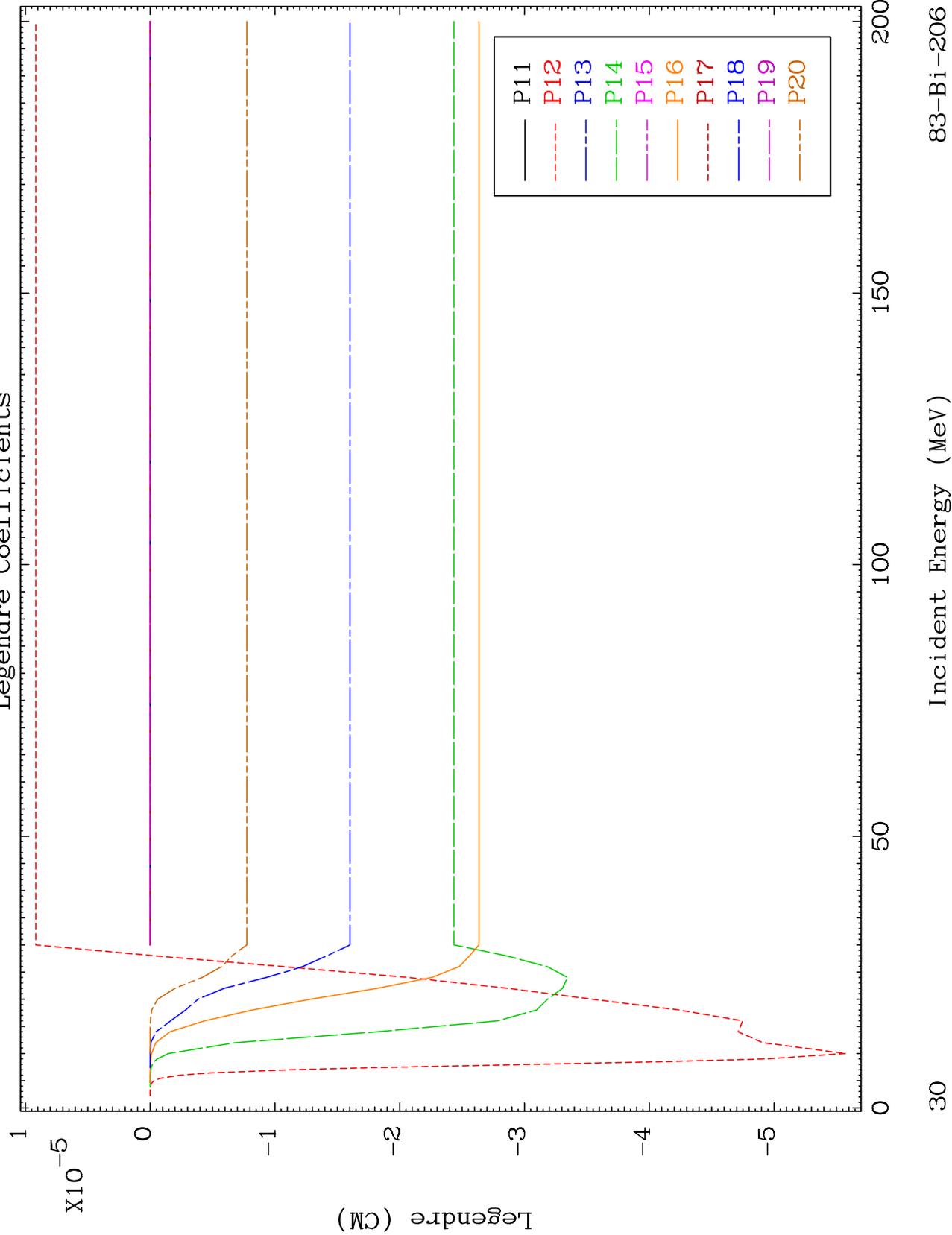
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MAT 8316

MT= 54 (n,n') Level

83-Bi-206

Legendre Coefficients

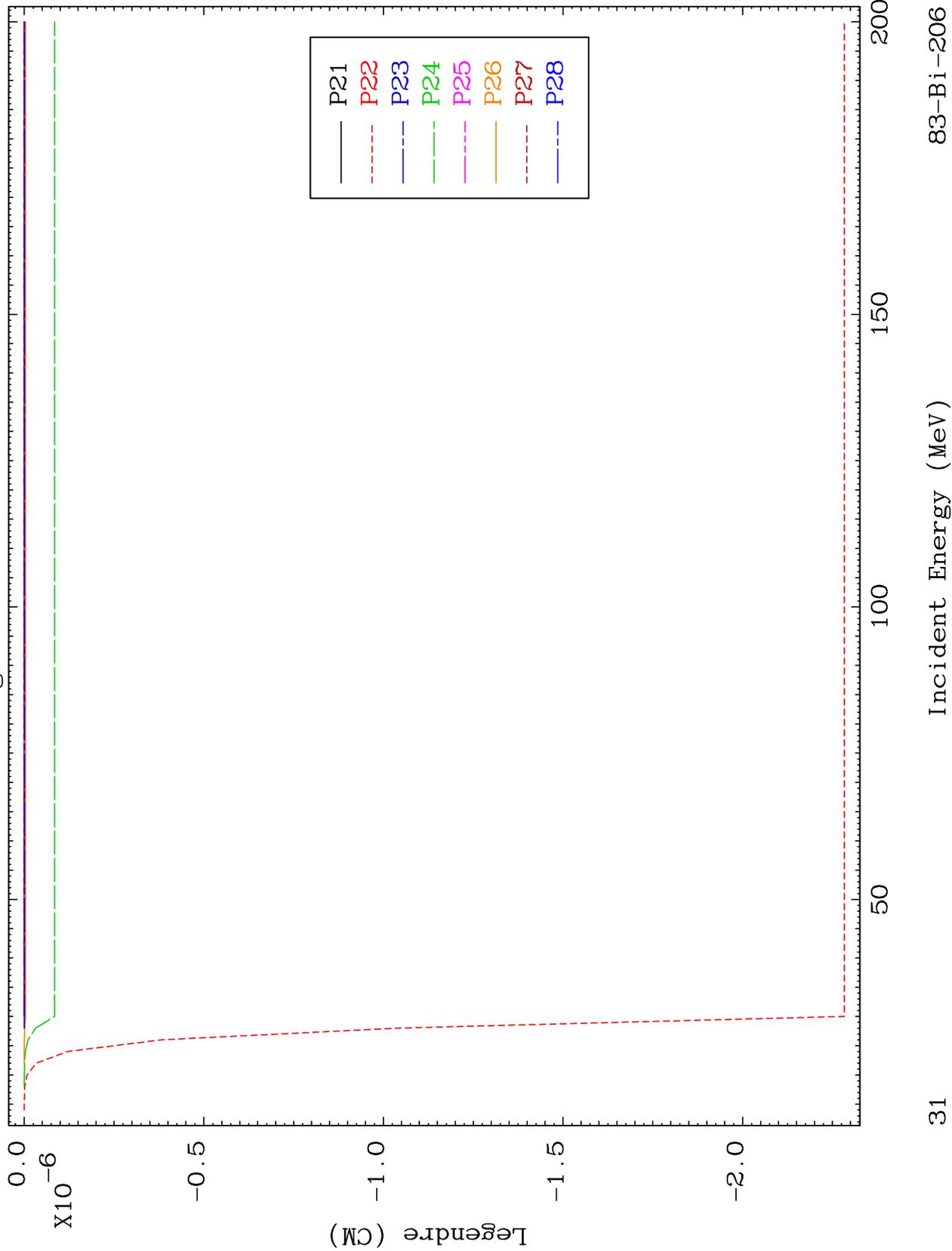


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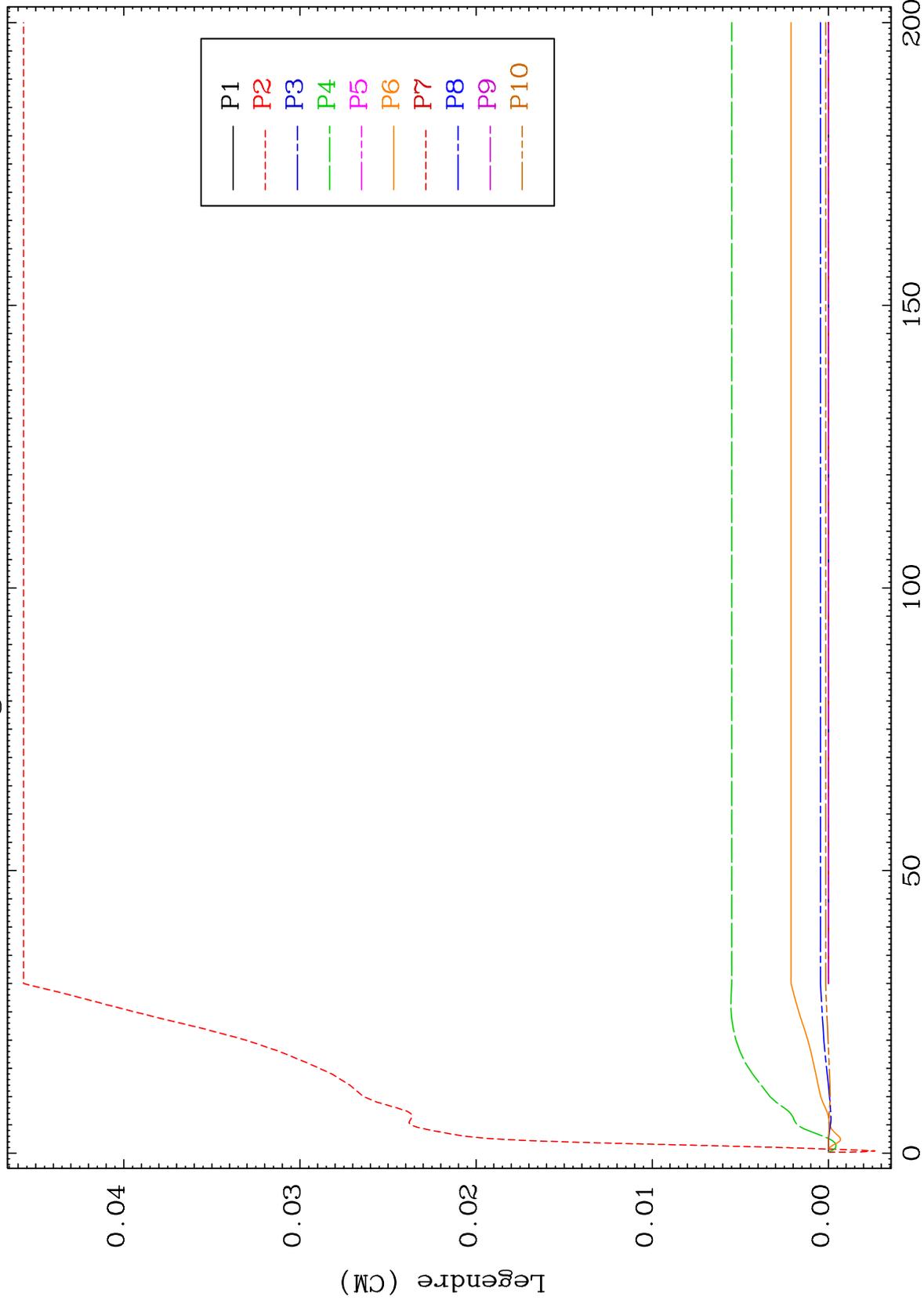
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MAT 8316

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

83-Bi-206



32

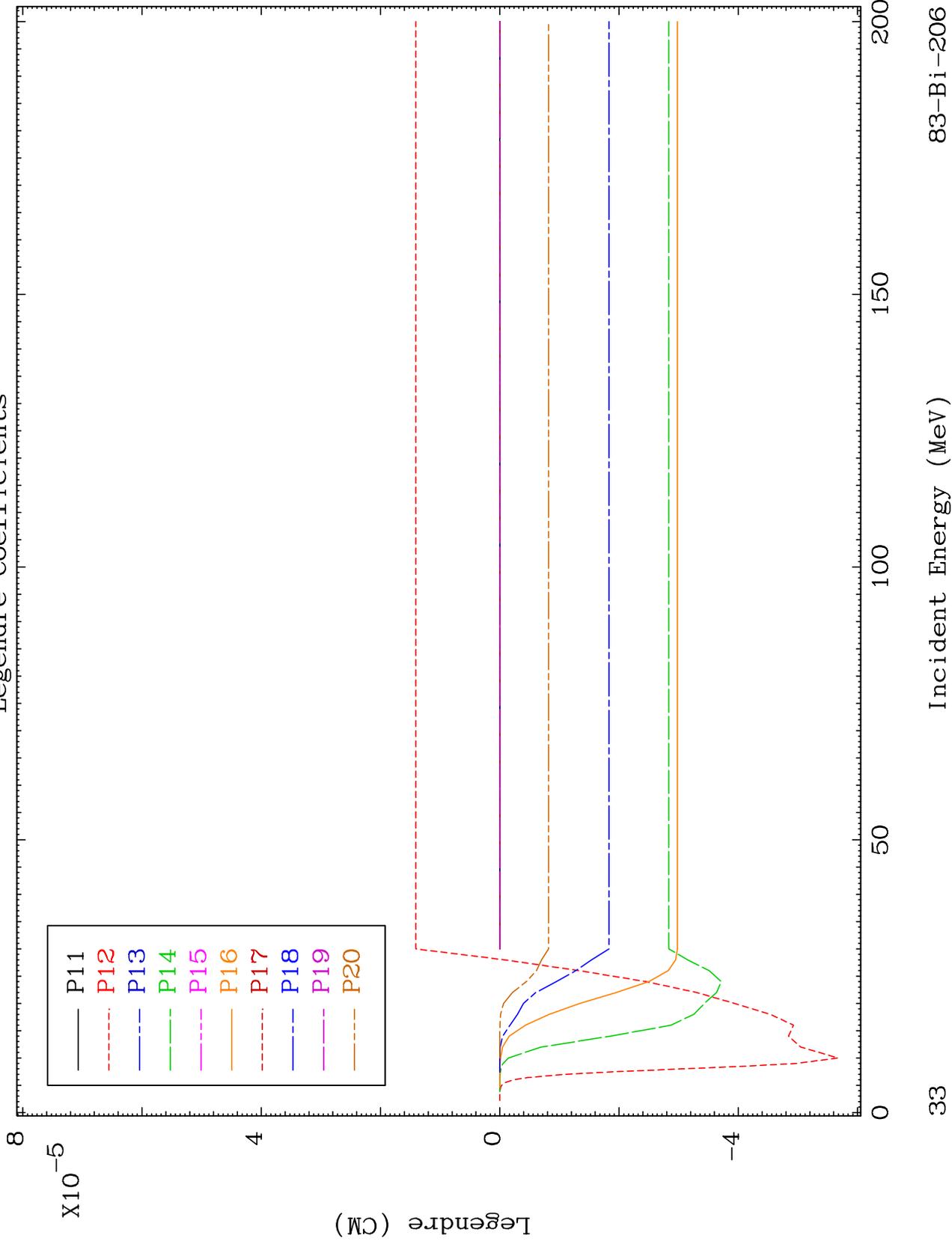
Incident Energy (MeV)

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MAT 8316

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

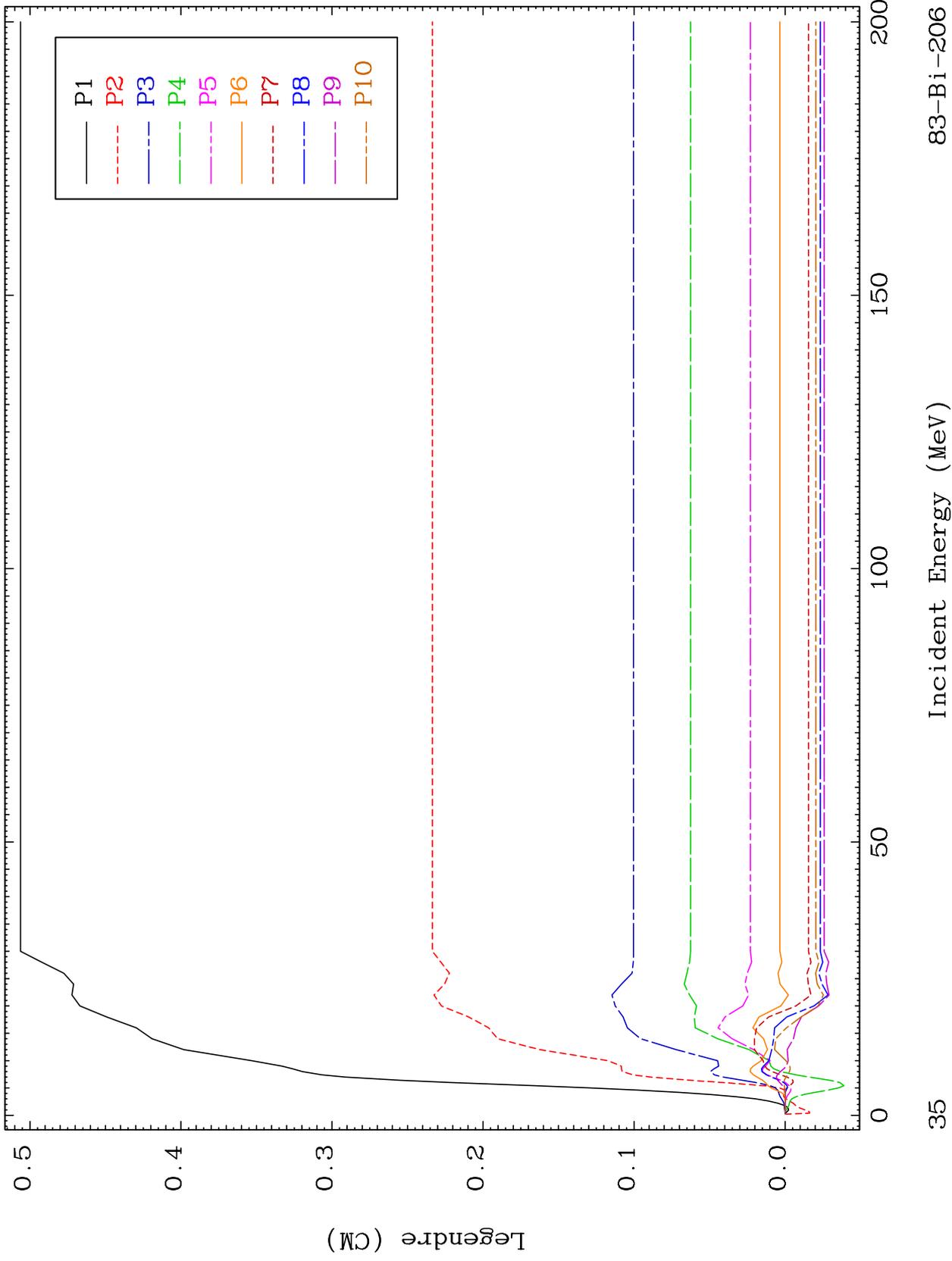
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MAT 8316

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

83-Bi-206



83-Bi-206

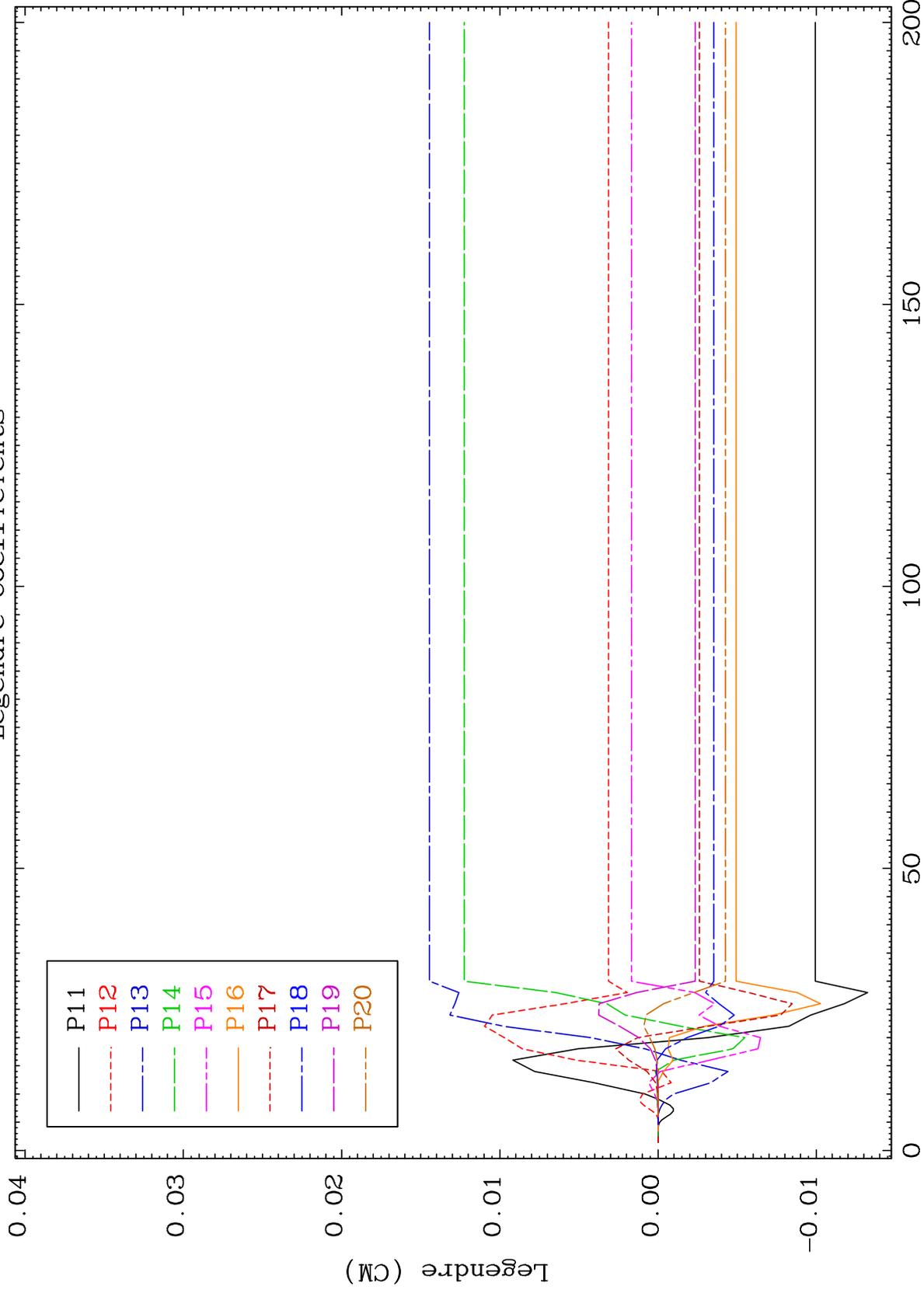
Incident Energy (MeV)

35

MAT 8316

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

83-Bi-206



36

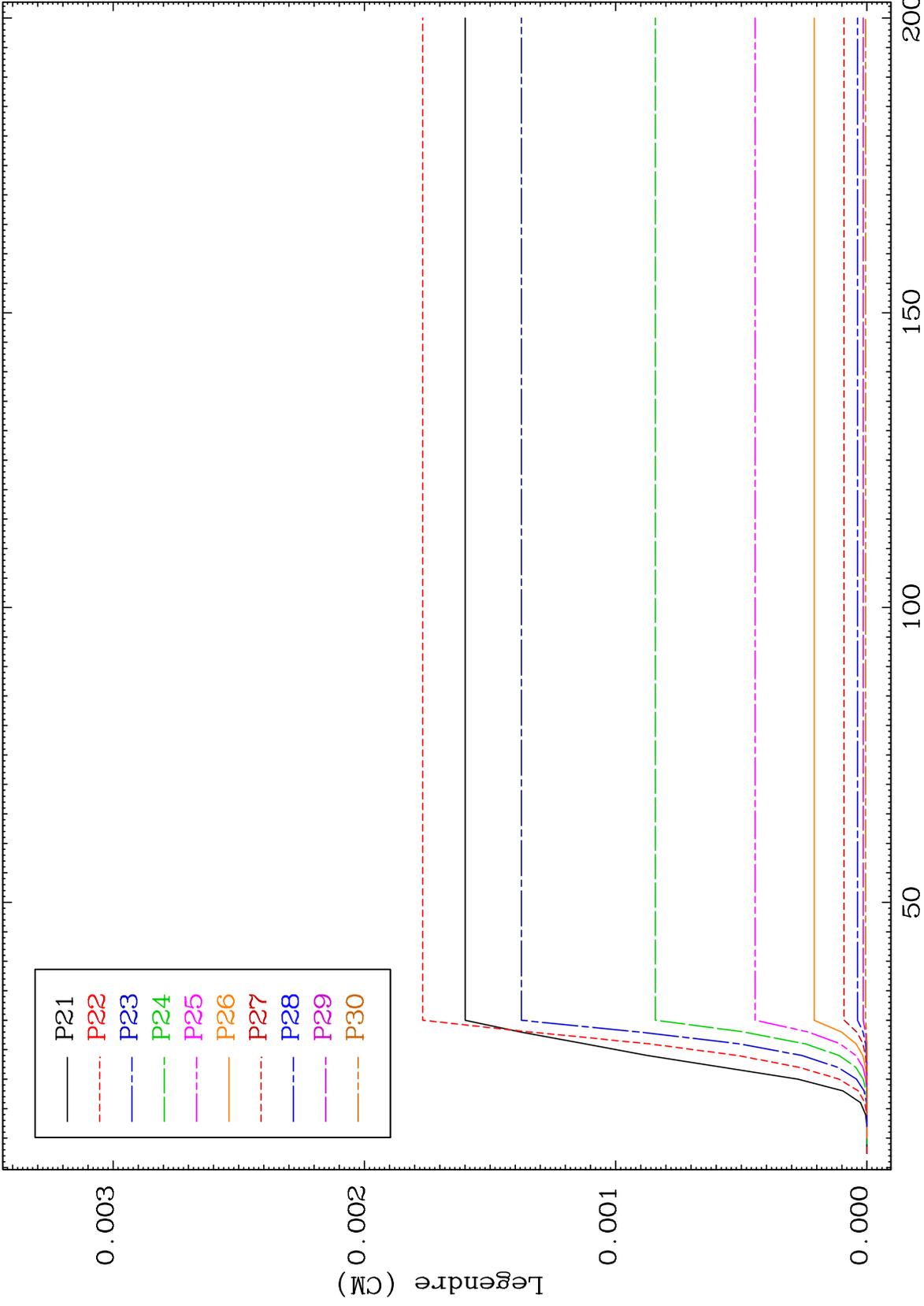
Incident Energy (MeV)

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MAT 8316

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

83-Bi-206



37

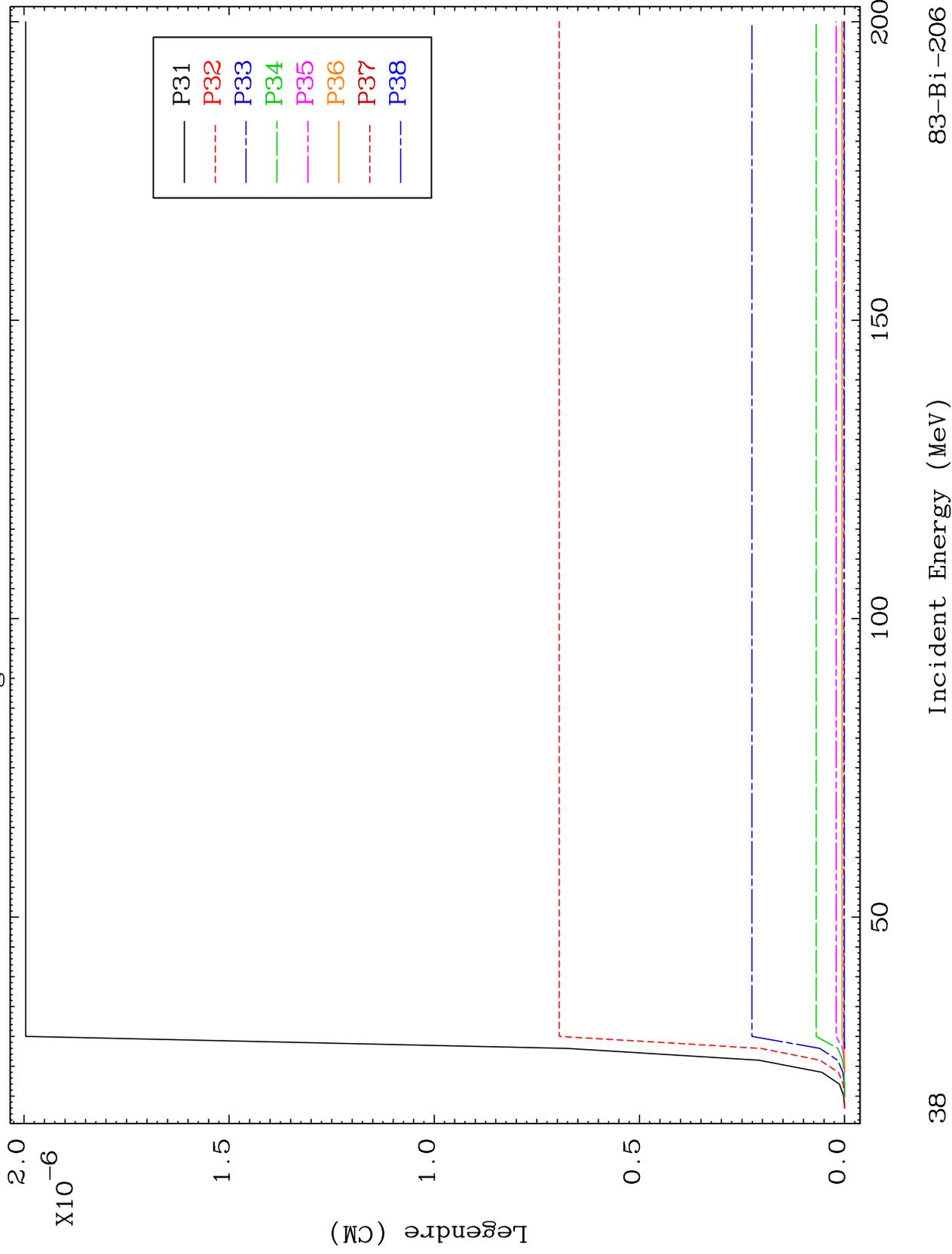
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

83-Bi-206



38

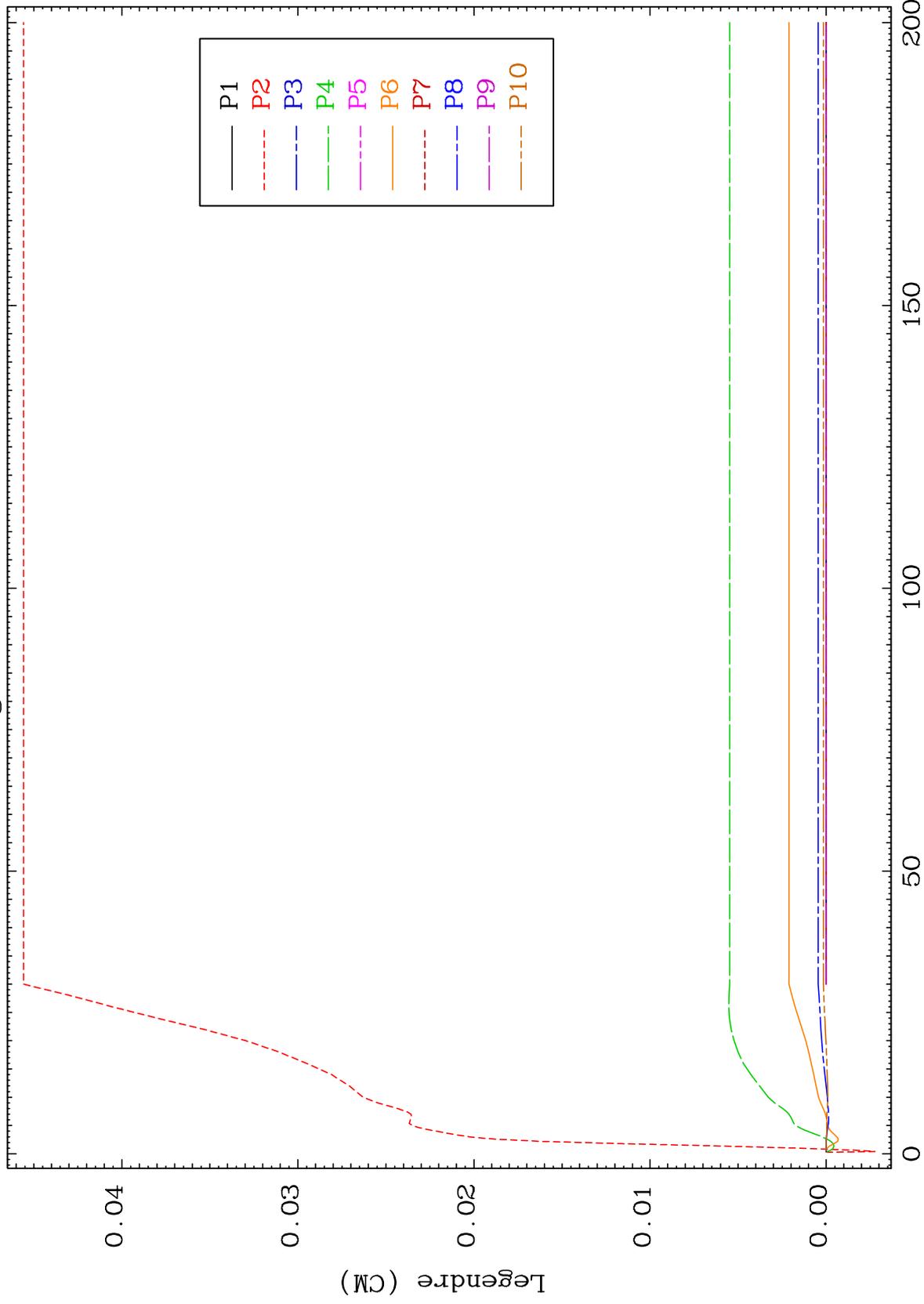
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

83-Bi-206



39

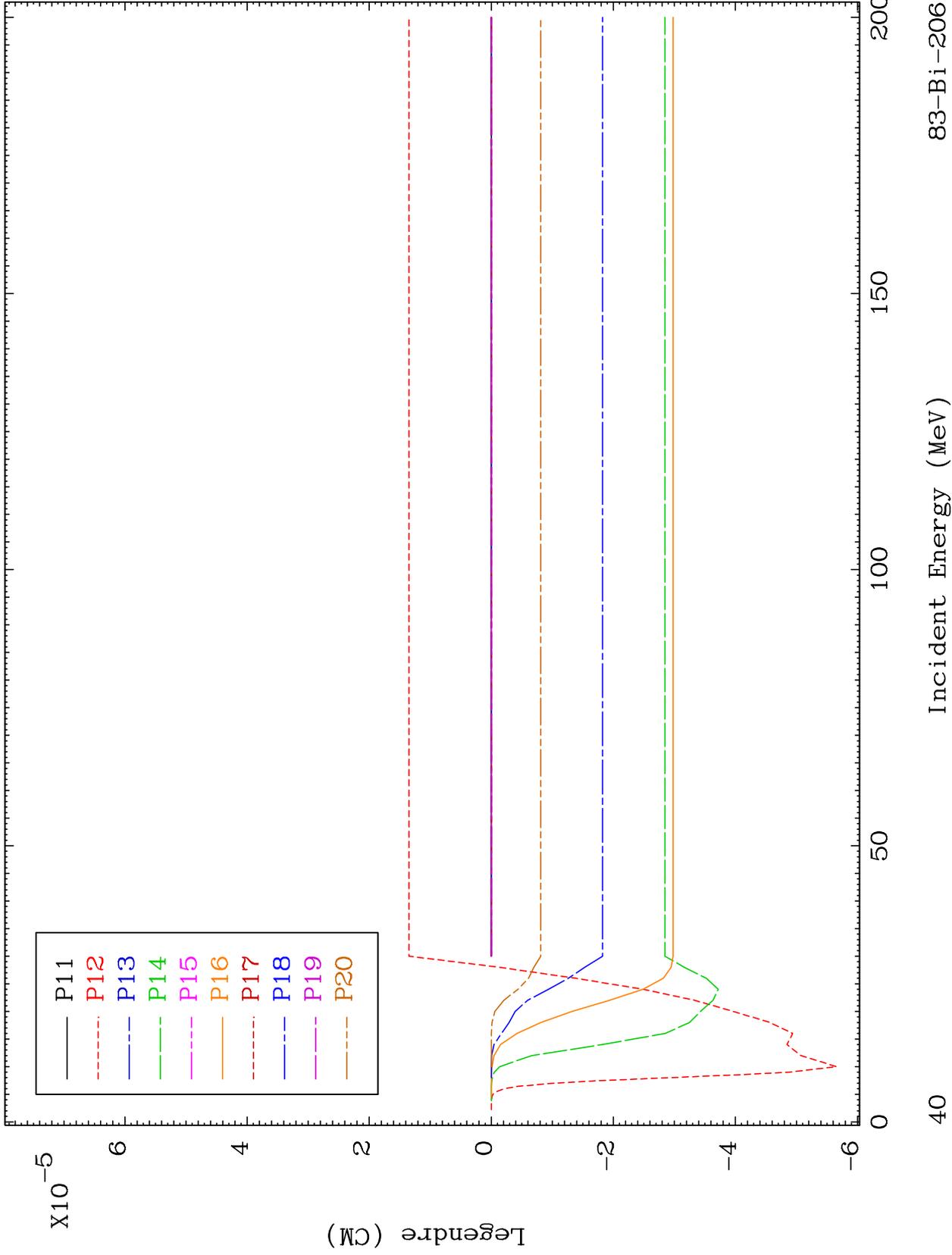
Incident Energy (MeV)

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MAT 8316

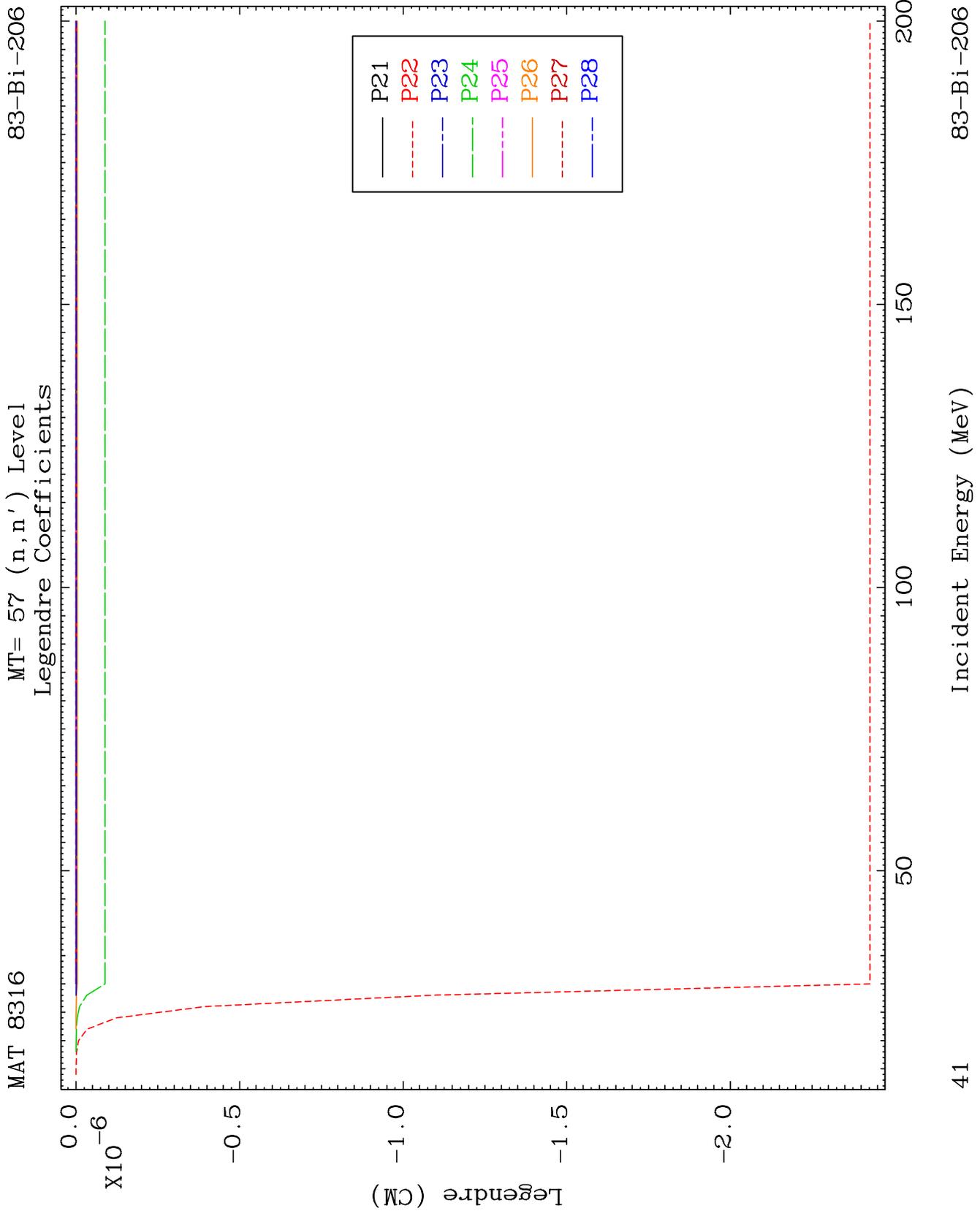
MT= 57 (n,n') Level
Legendre Coefficients

83-Bi-206



83-Bi-206

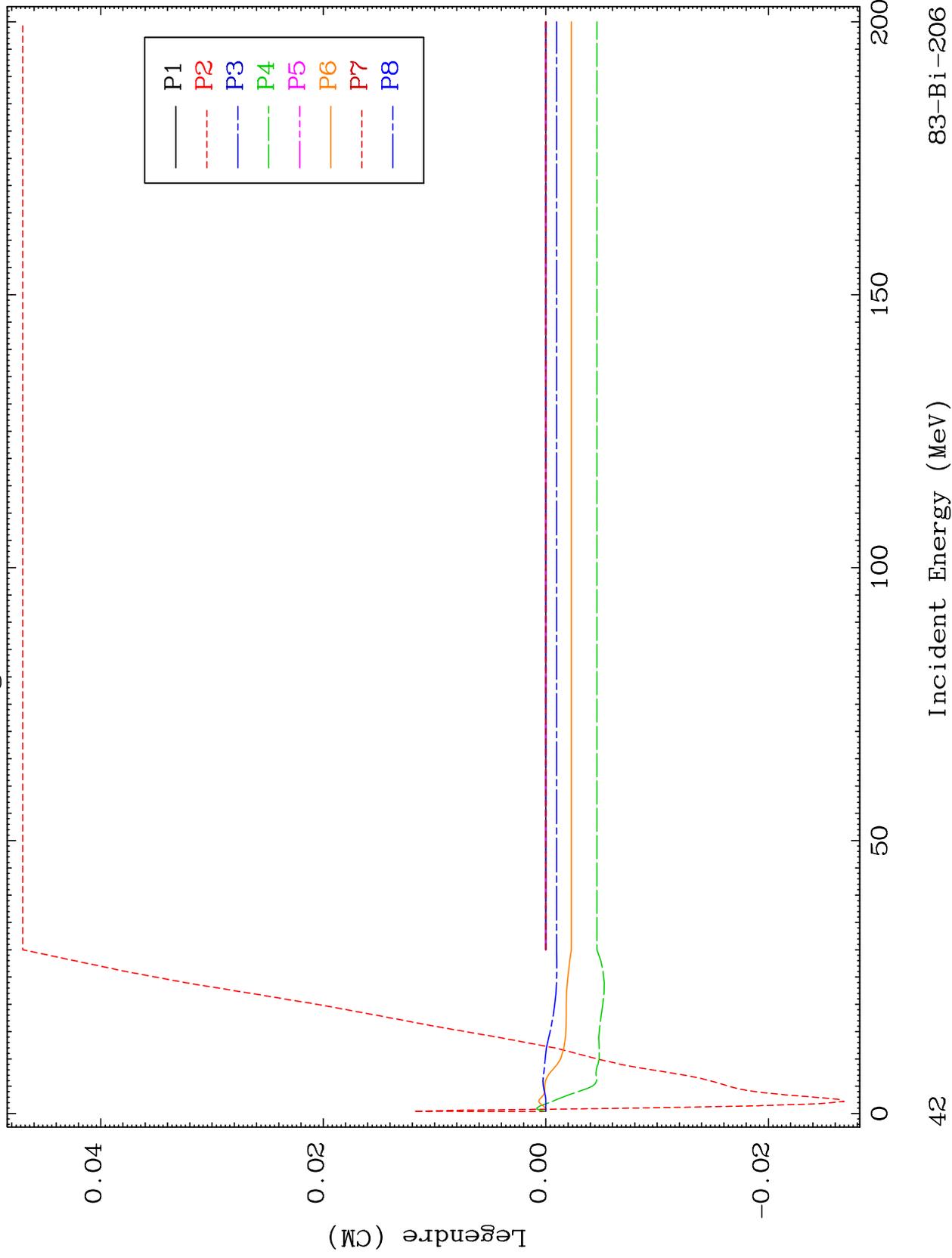
Incident Energy (MeV)



MAT 8316

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

83-Bi-206



83-Bi-206

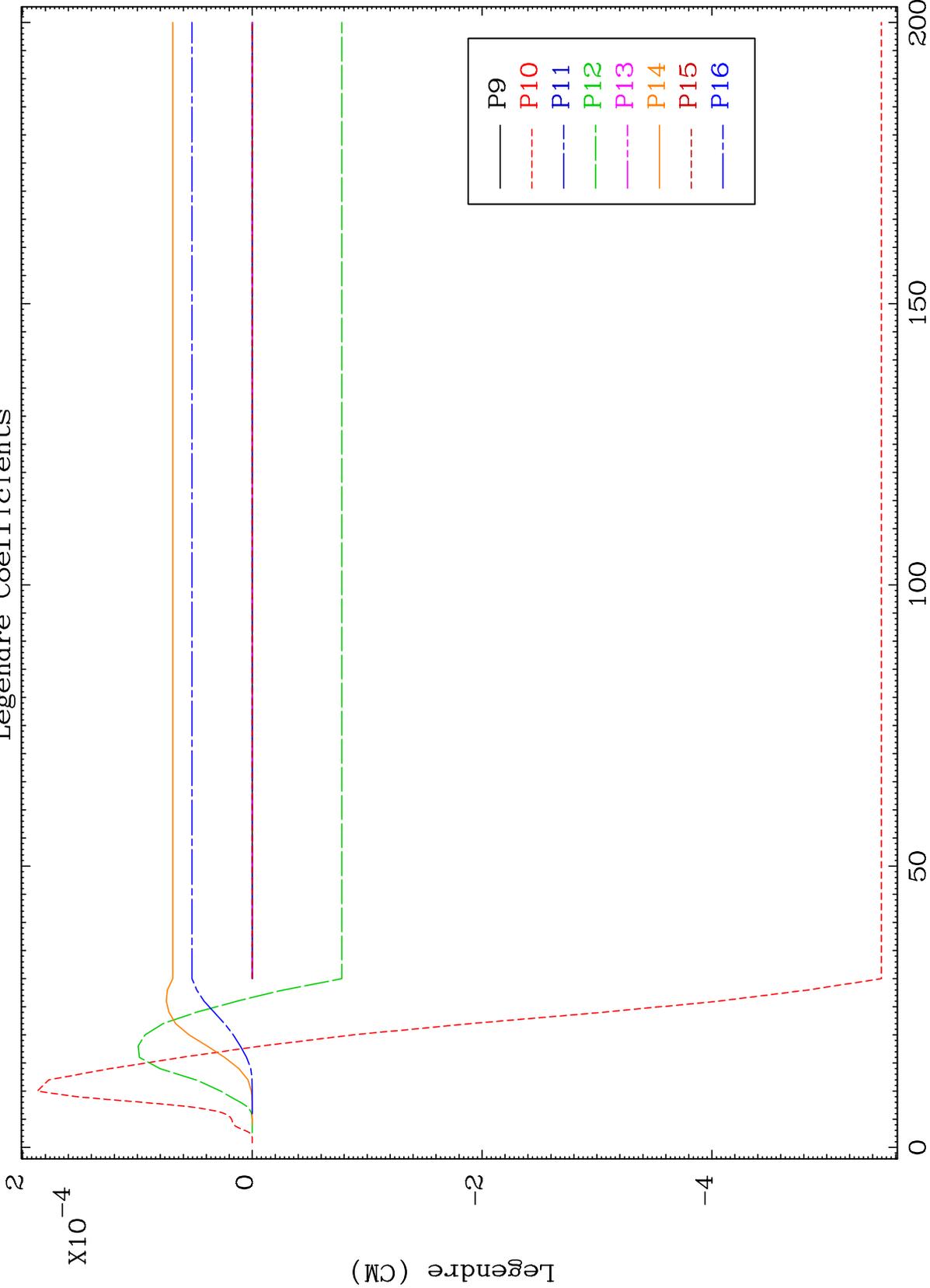
Incident Energy (MeV)

42

MAT 8316

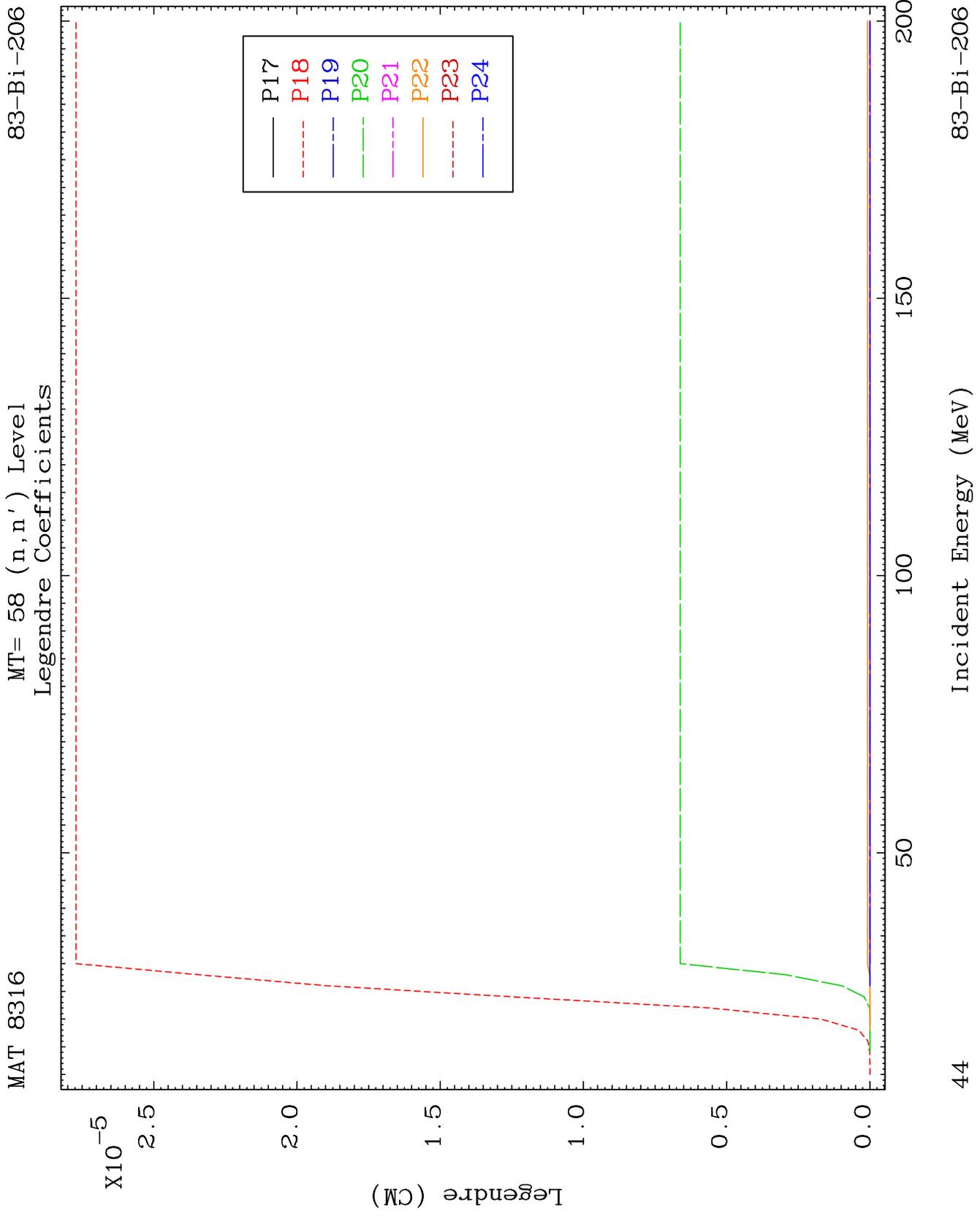
MT= 58 (n,n') Level
Legendre Coefficients

83-Bi-206



43

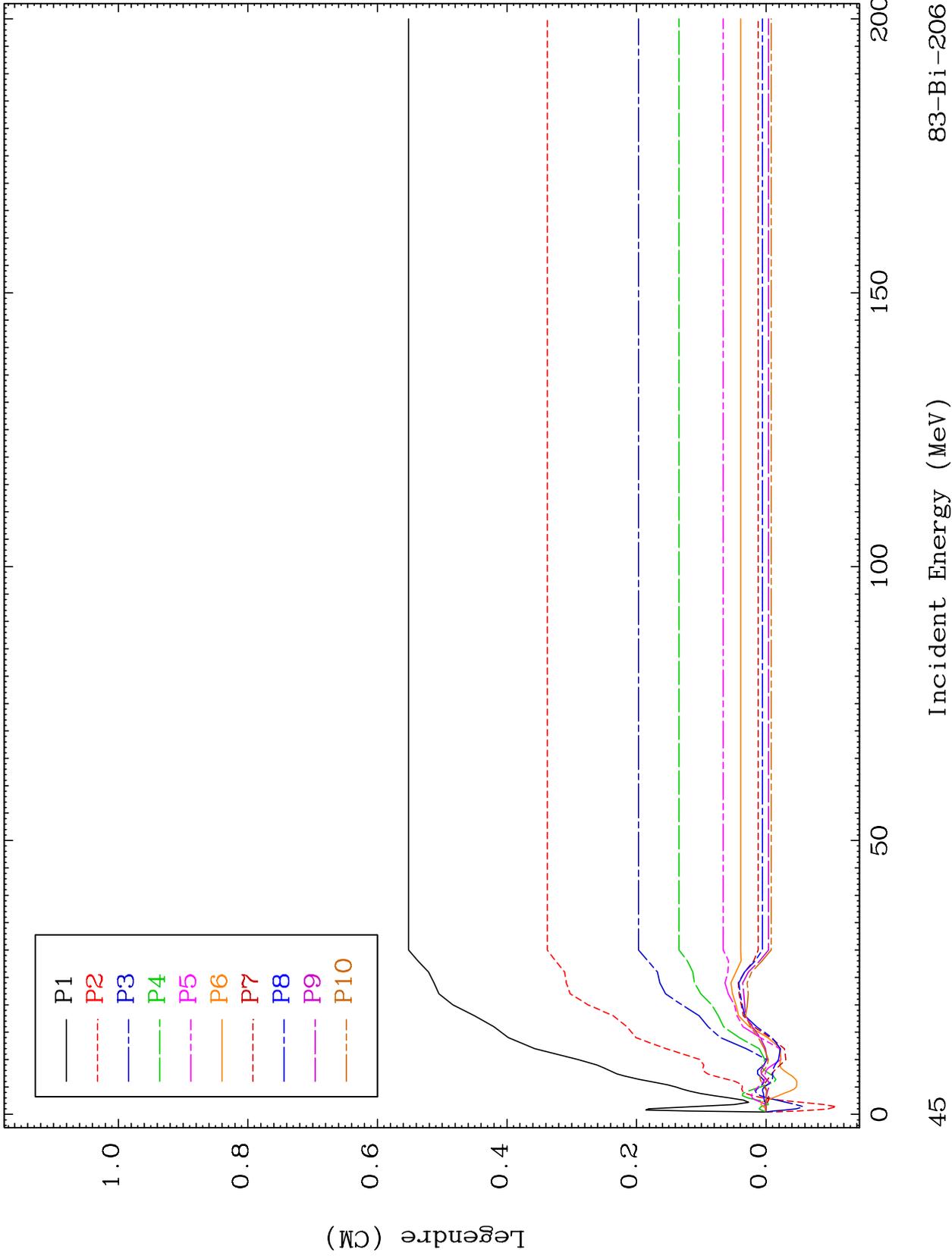
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MAT 8316

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

83-Bi-206



83-Bi-206

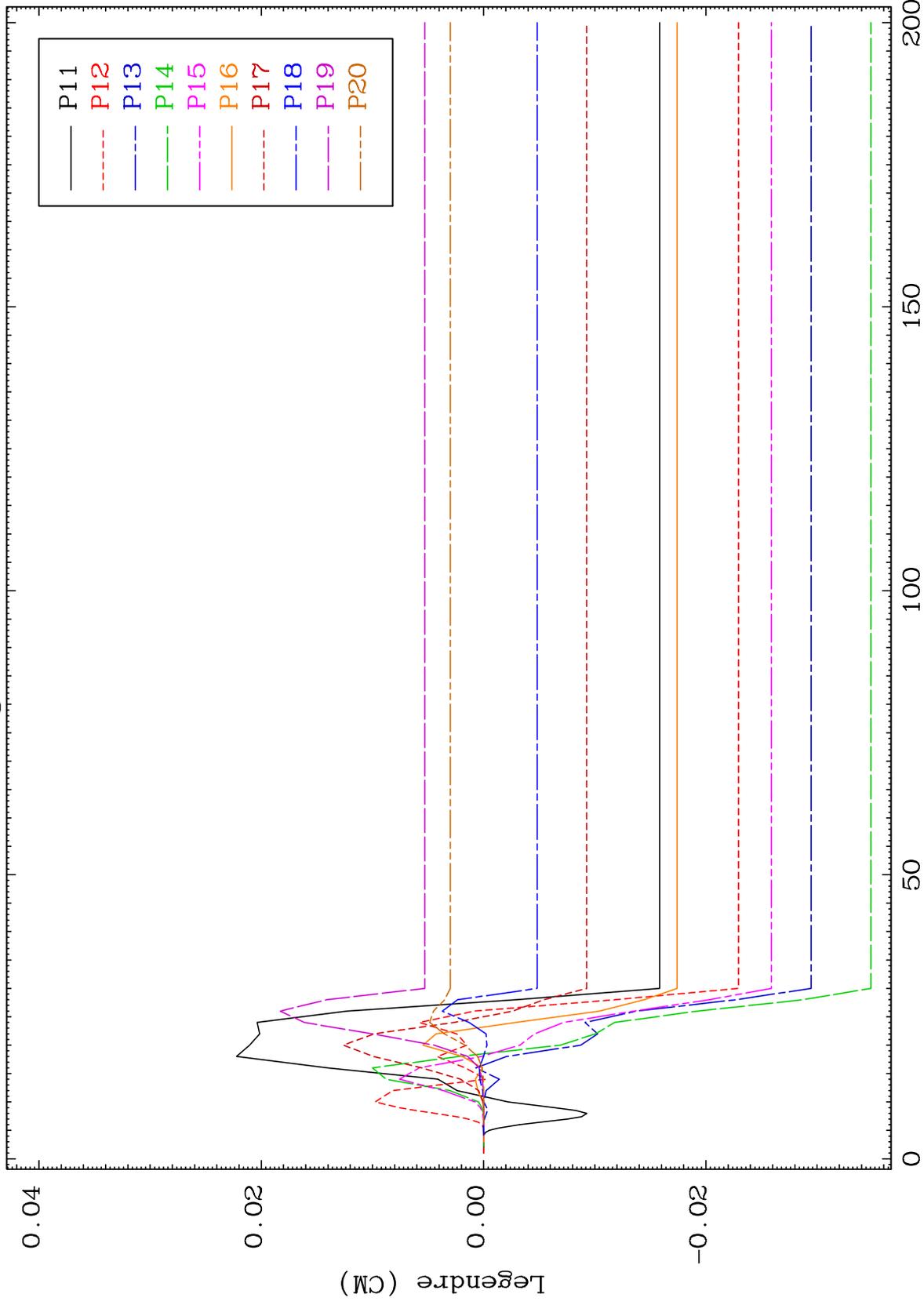
Incident Energy (MeV)

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MAT 8316

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

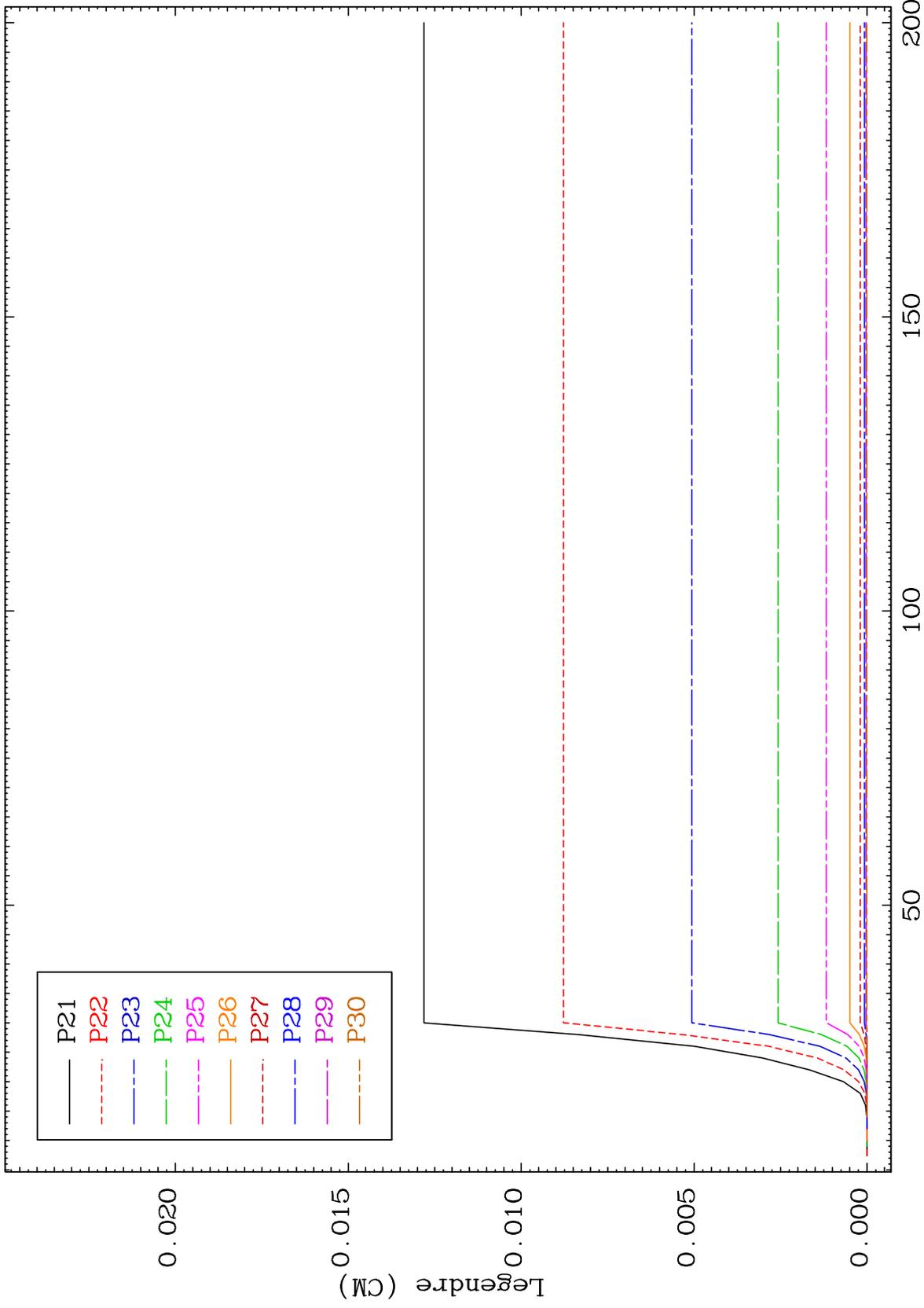
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46

Incident Energy (MeV)

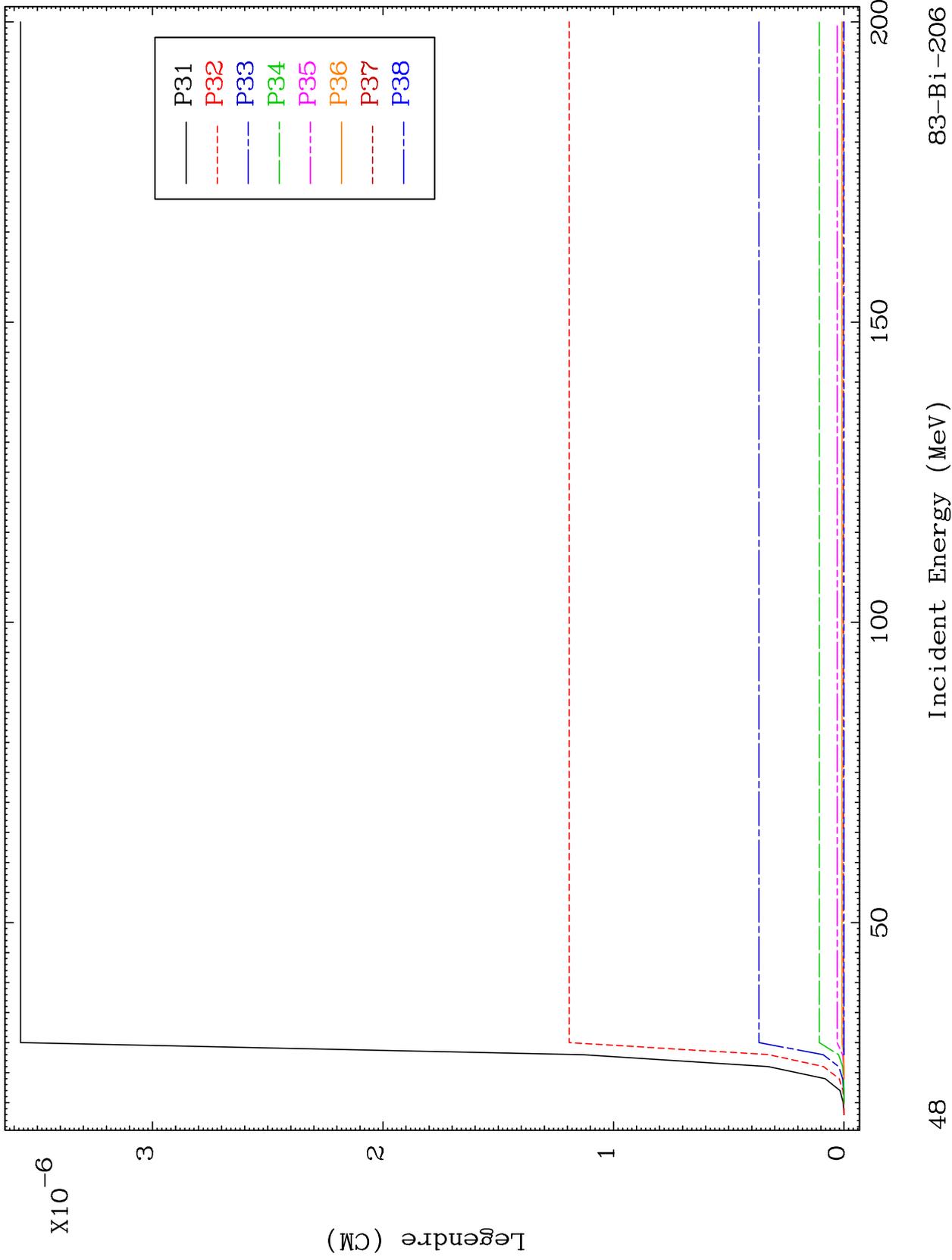
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MAT 8316

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

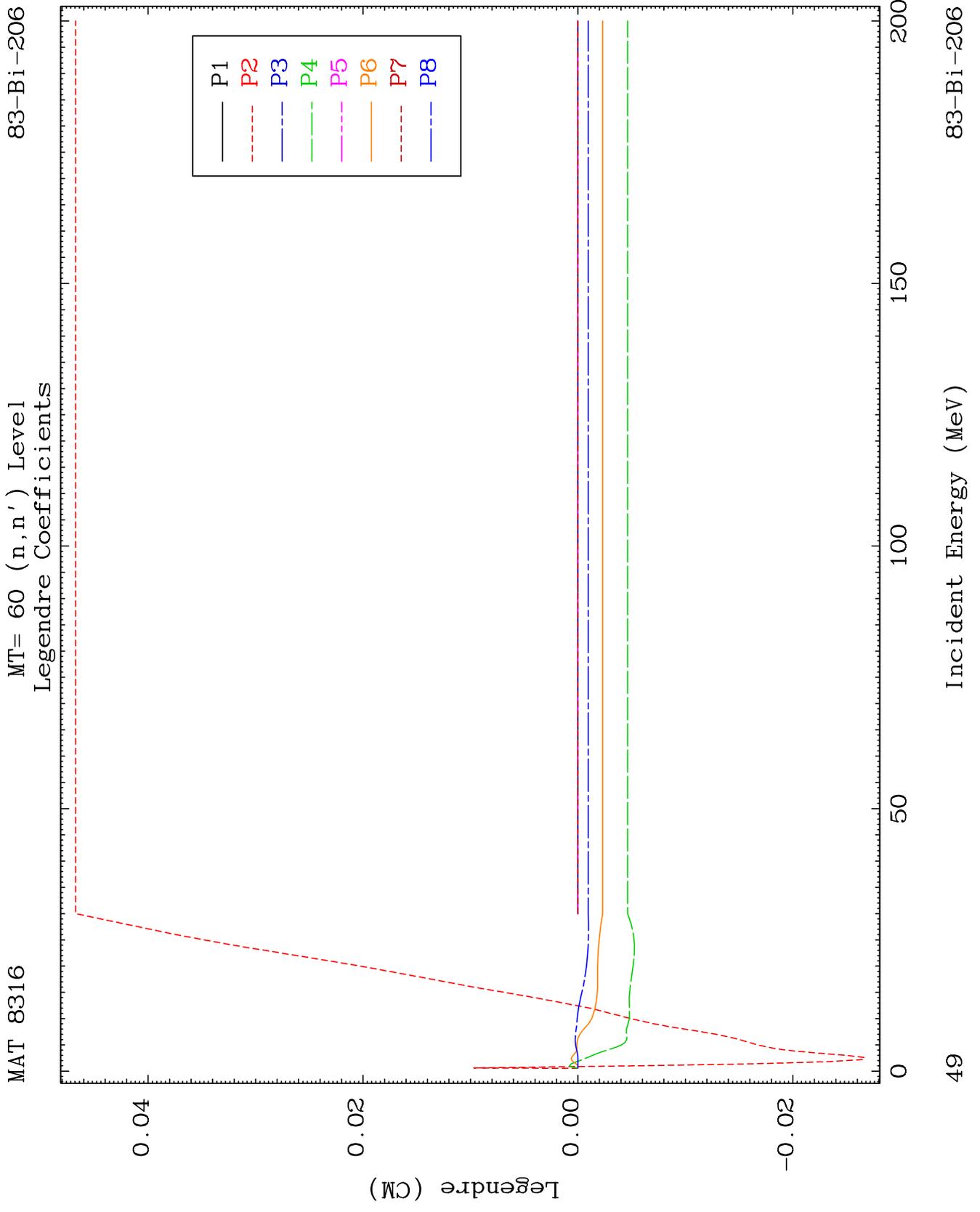
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48

Incident Energy (MeV)

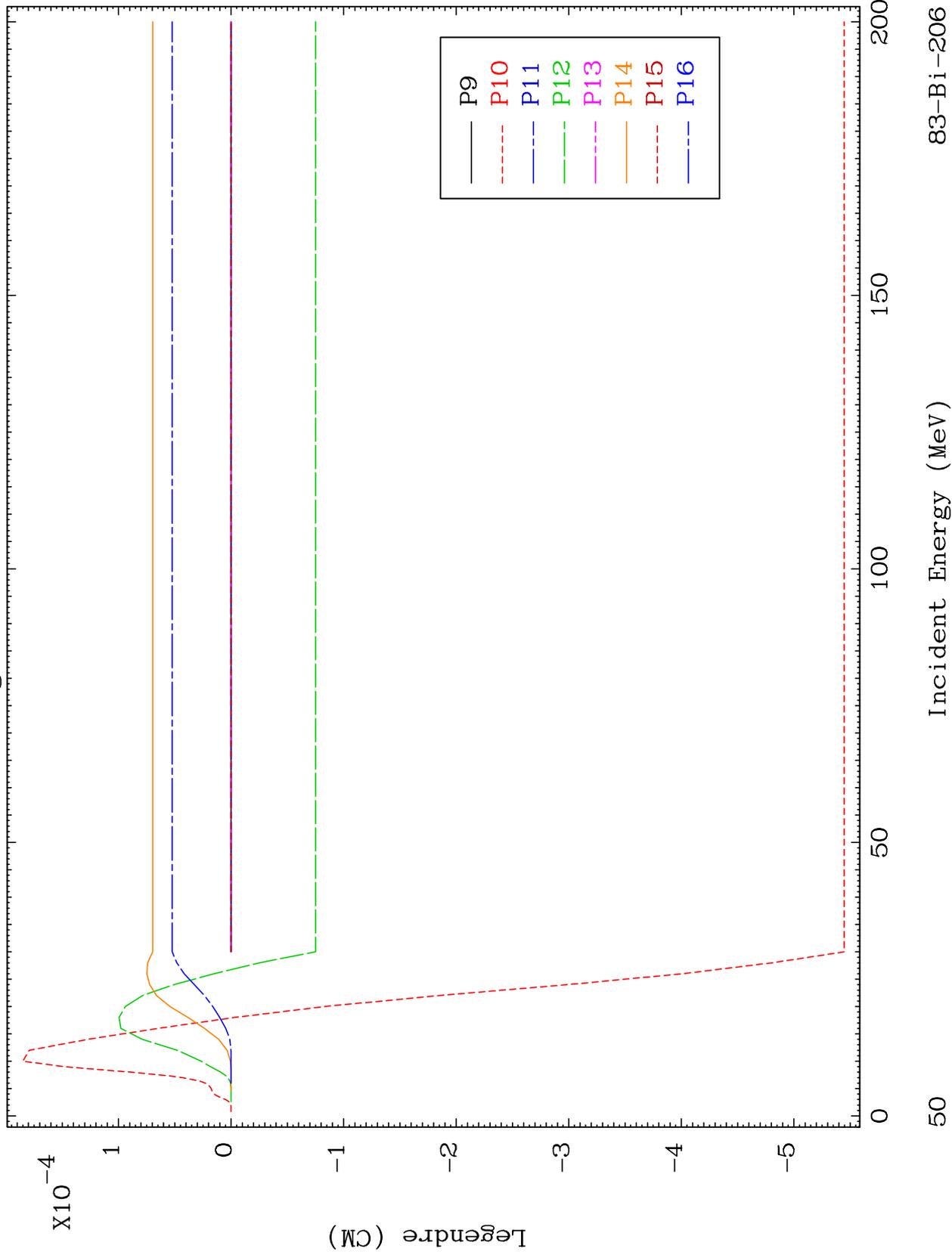
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MAT 8316

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

83-Bi-206



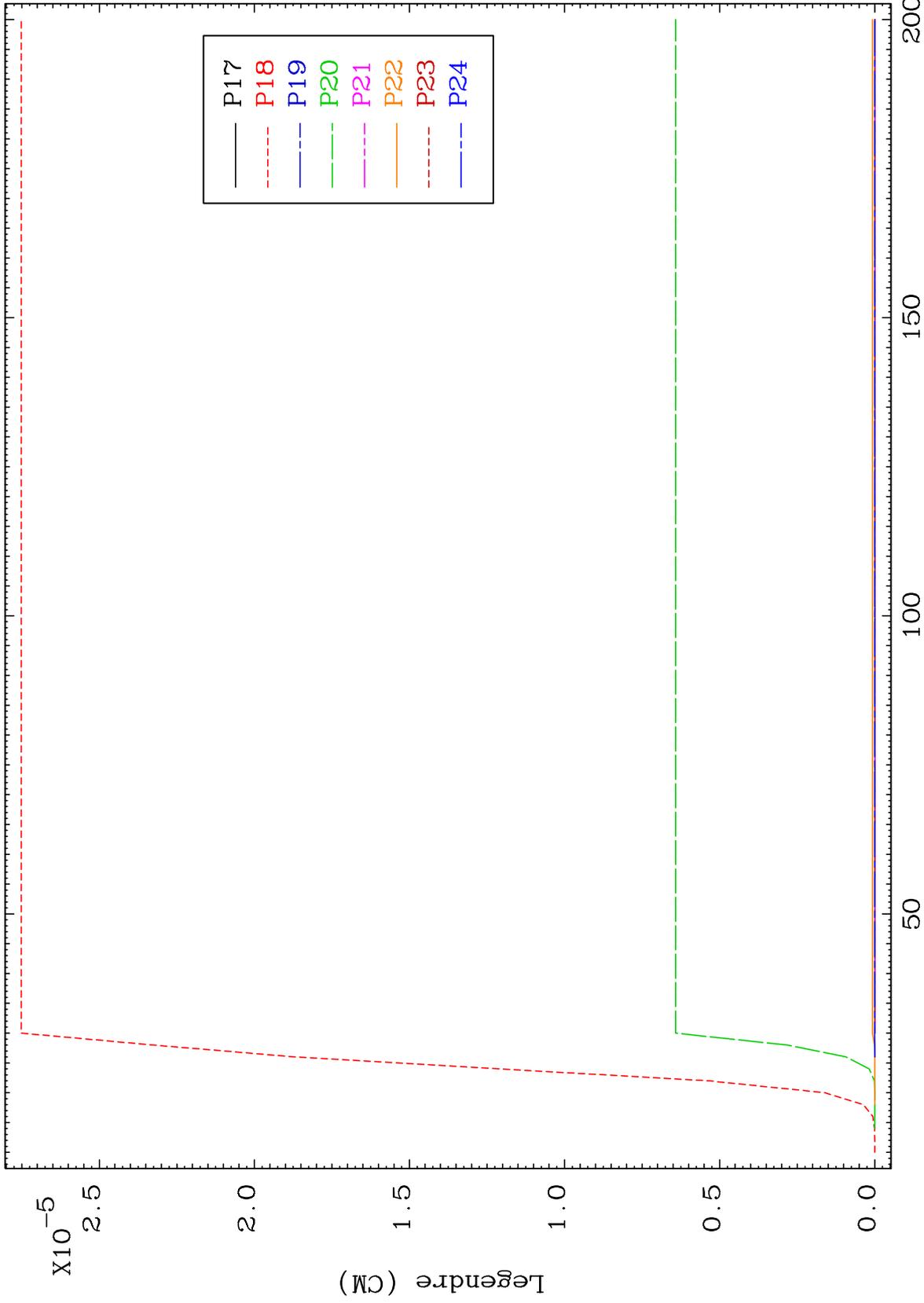
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Incident Energy (MeV)

MAT 8316

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

83-Bi-206



51

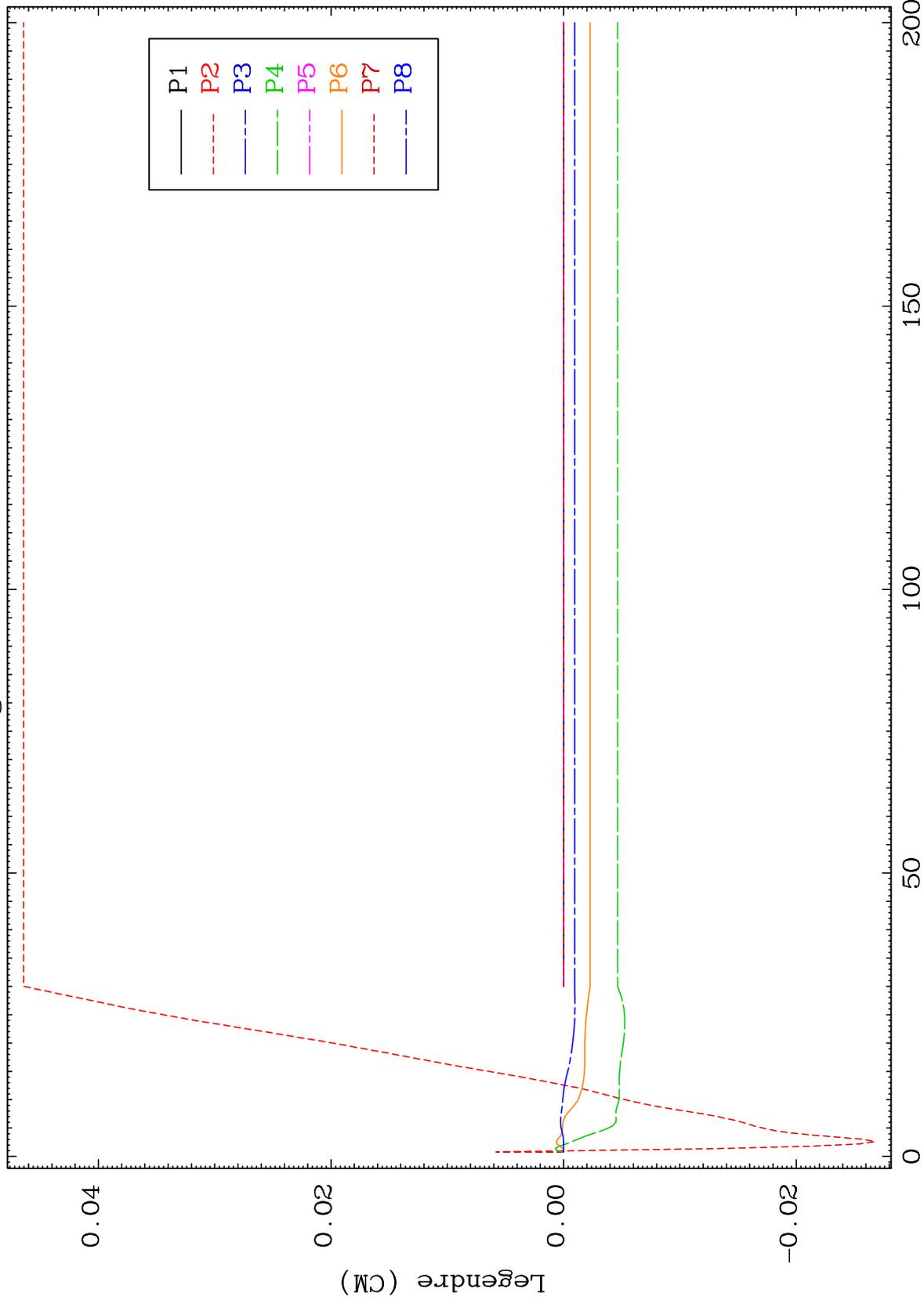
Incident Energy (MeV)

83-Bi-206

MAT 8316

83-Bi-206

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



52

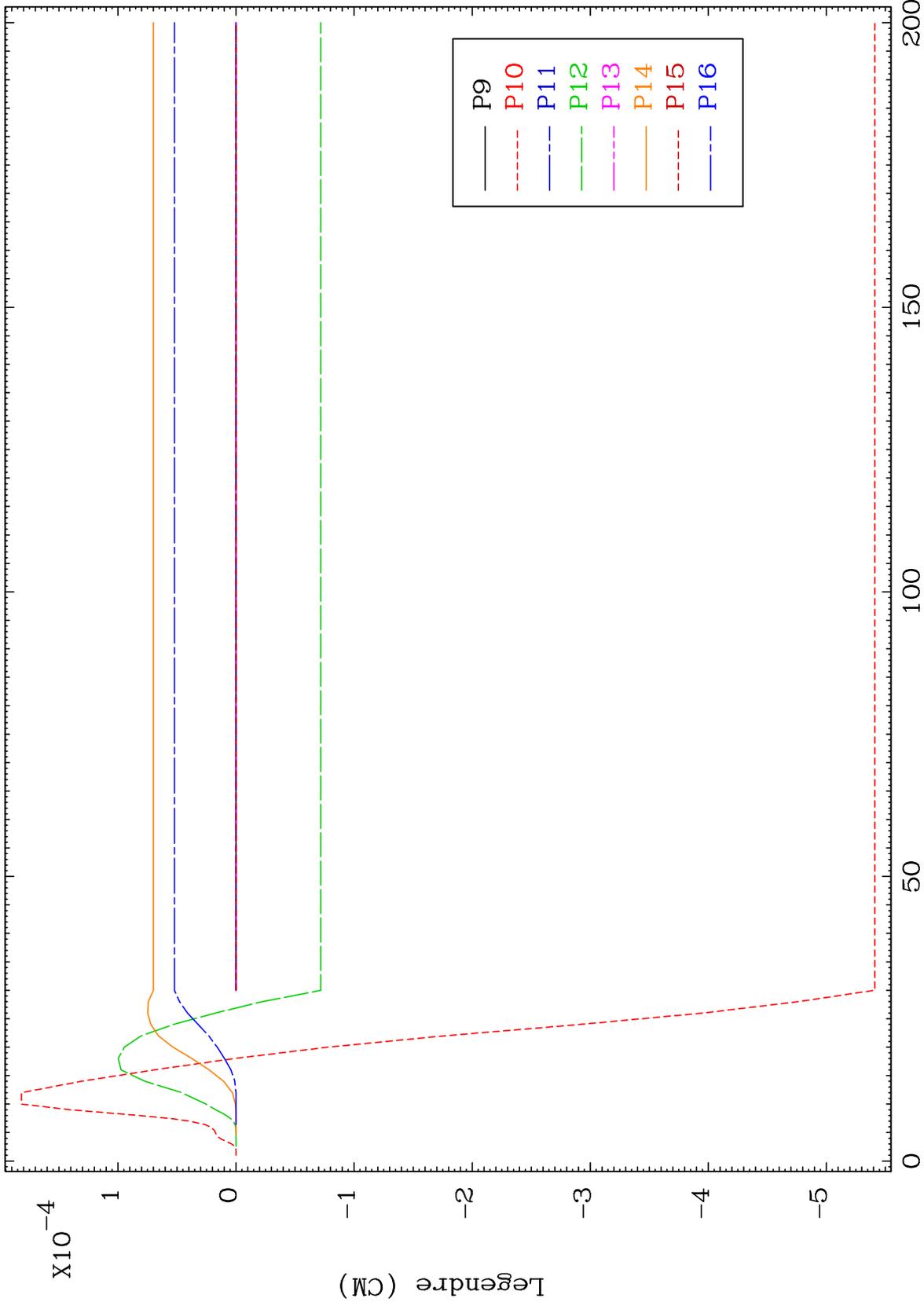
Incident Energy (MeV)

83-Bi-206

MAT 8316

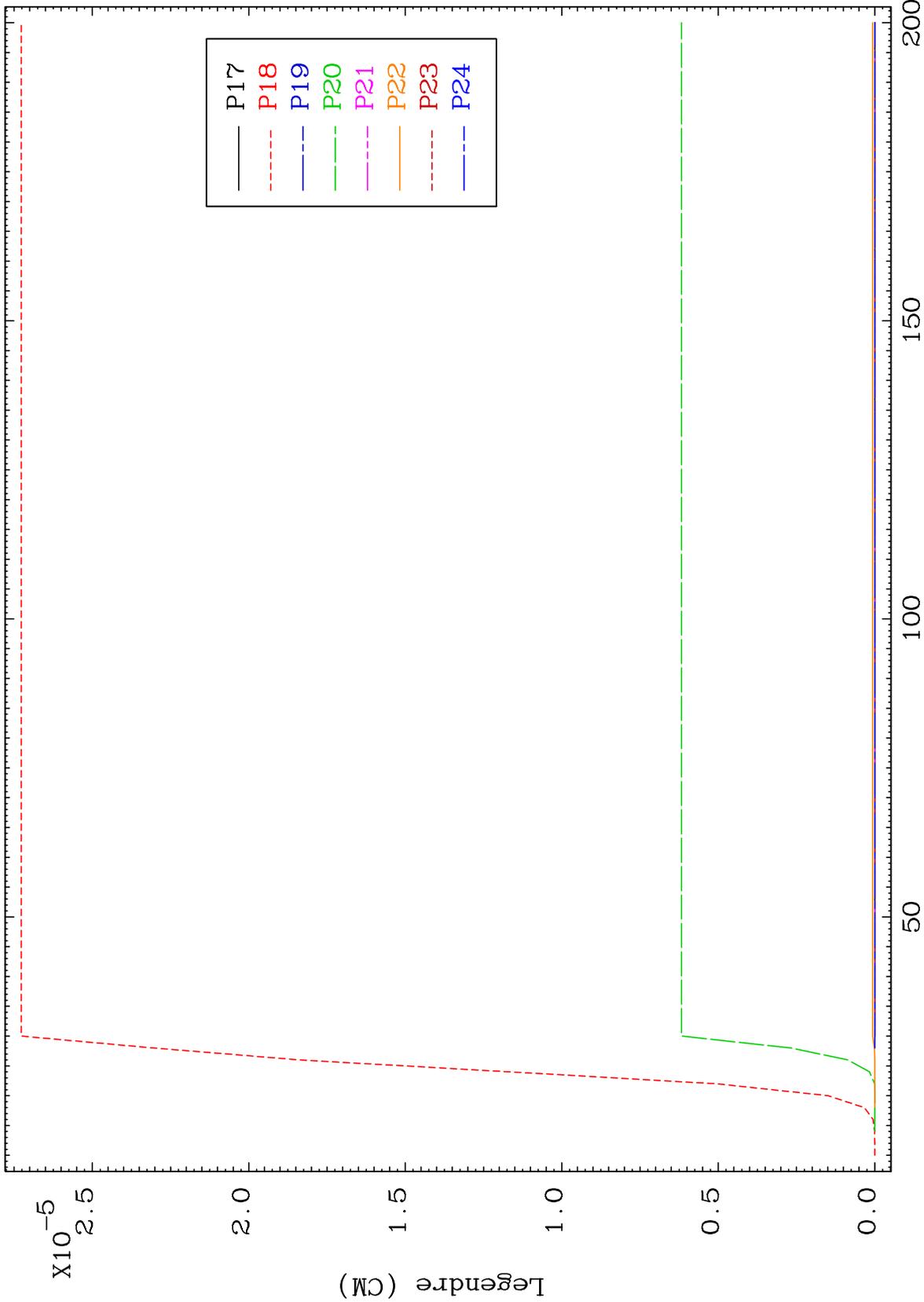
MT= 61 (n,n') Level
Legendre Coefficients

83-Bi-206



53

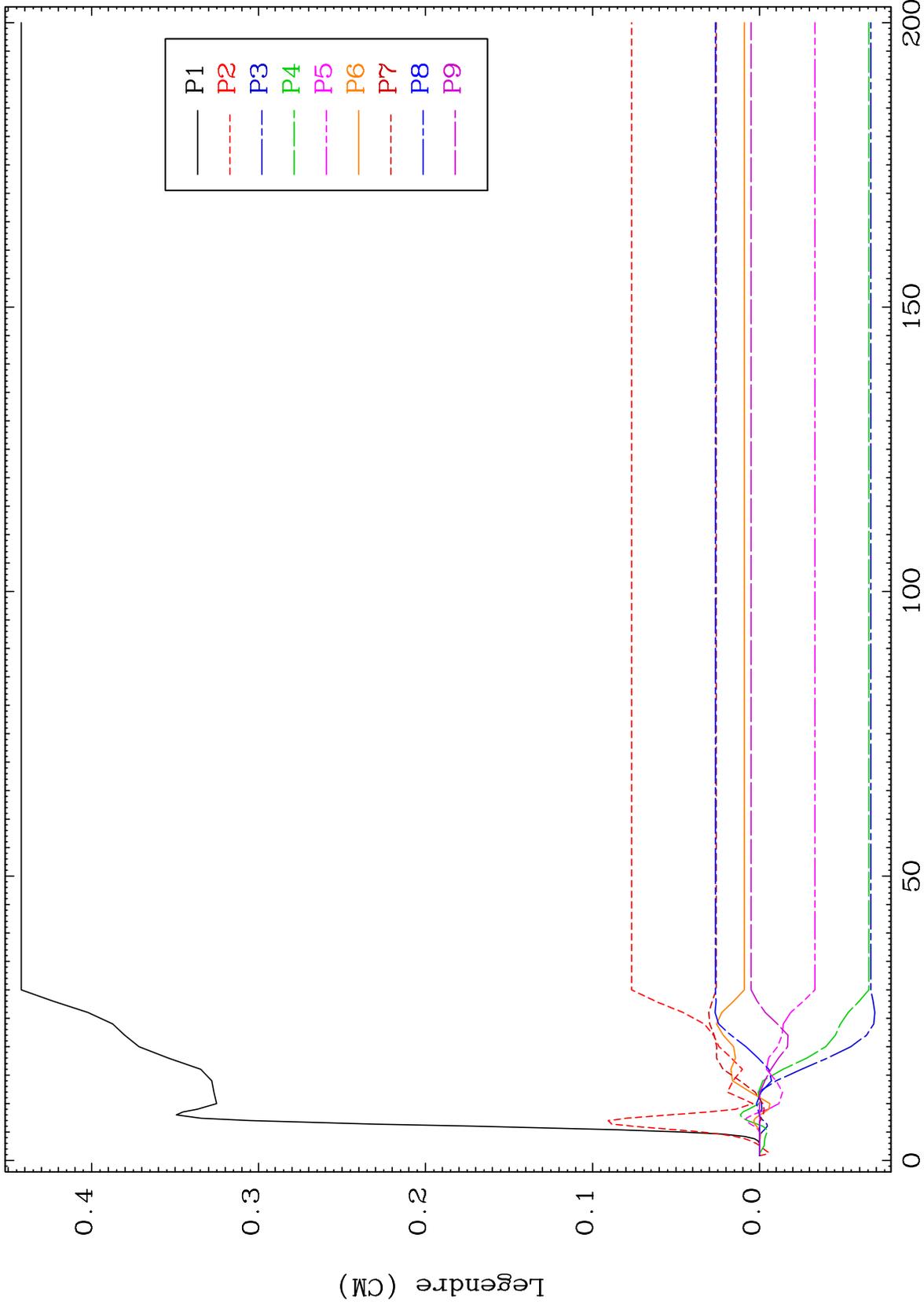
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MAT 8316

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

83-Bi-206



55

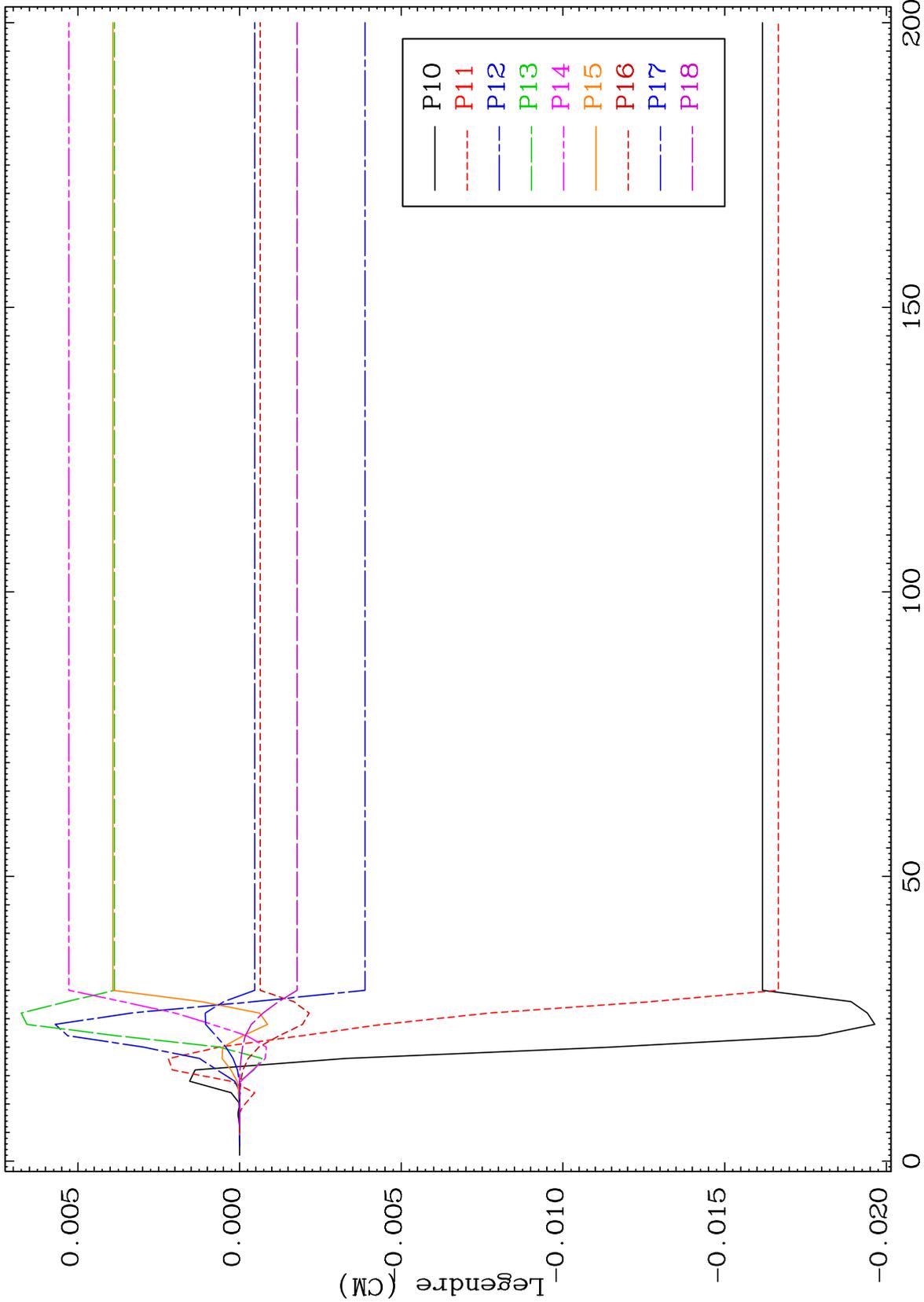
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MAT 8316

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

83-Bi-206



56

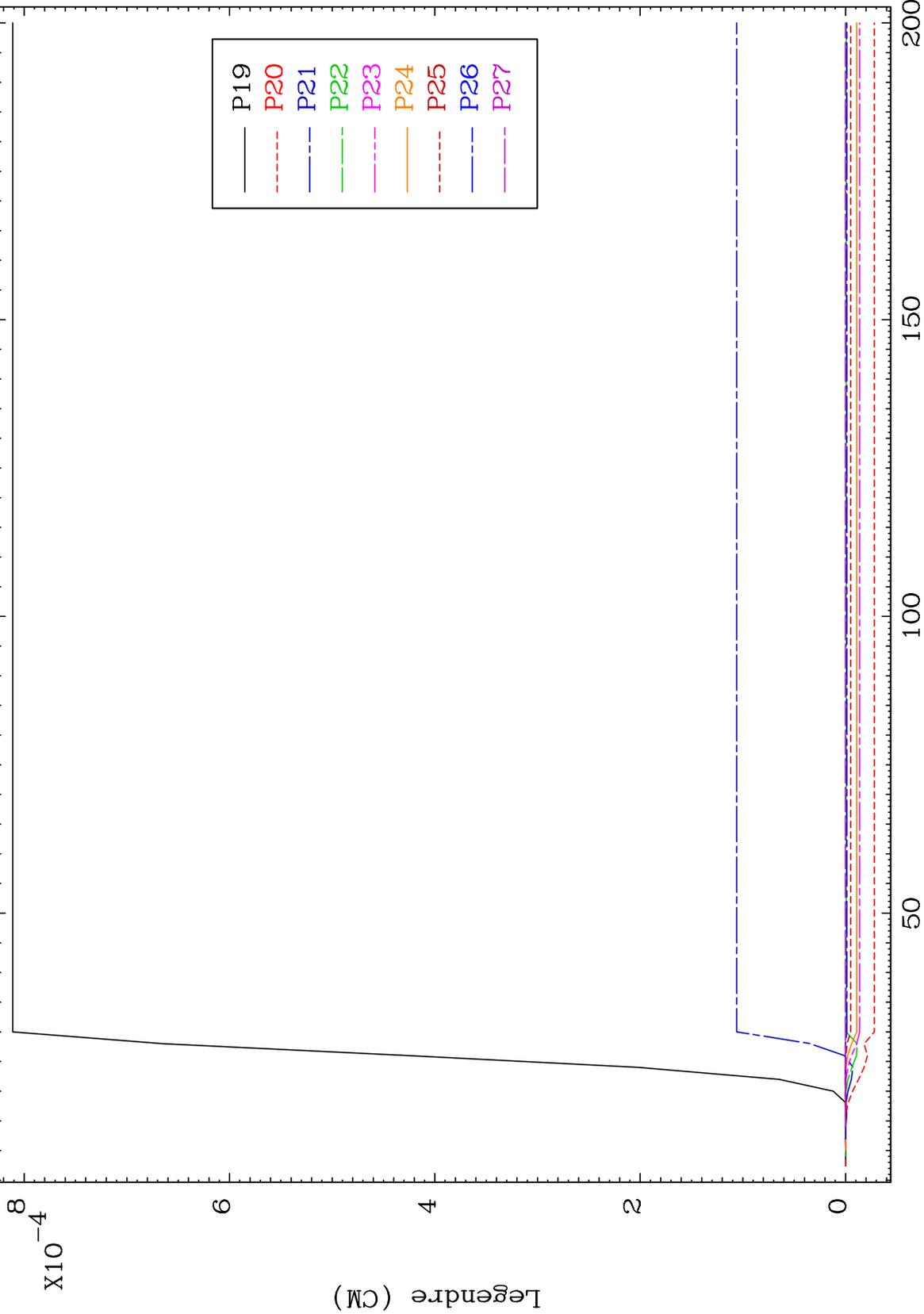
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

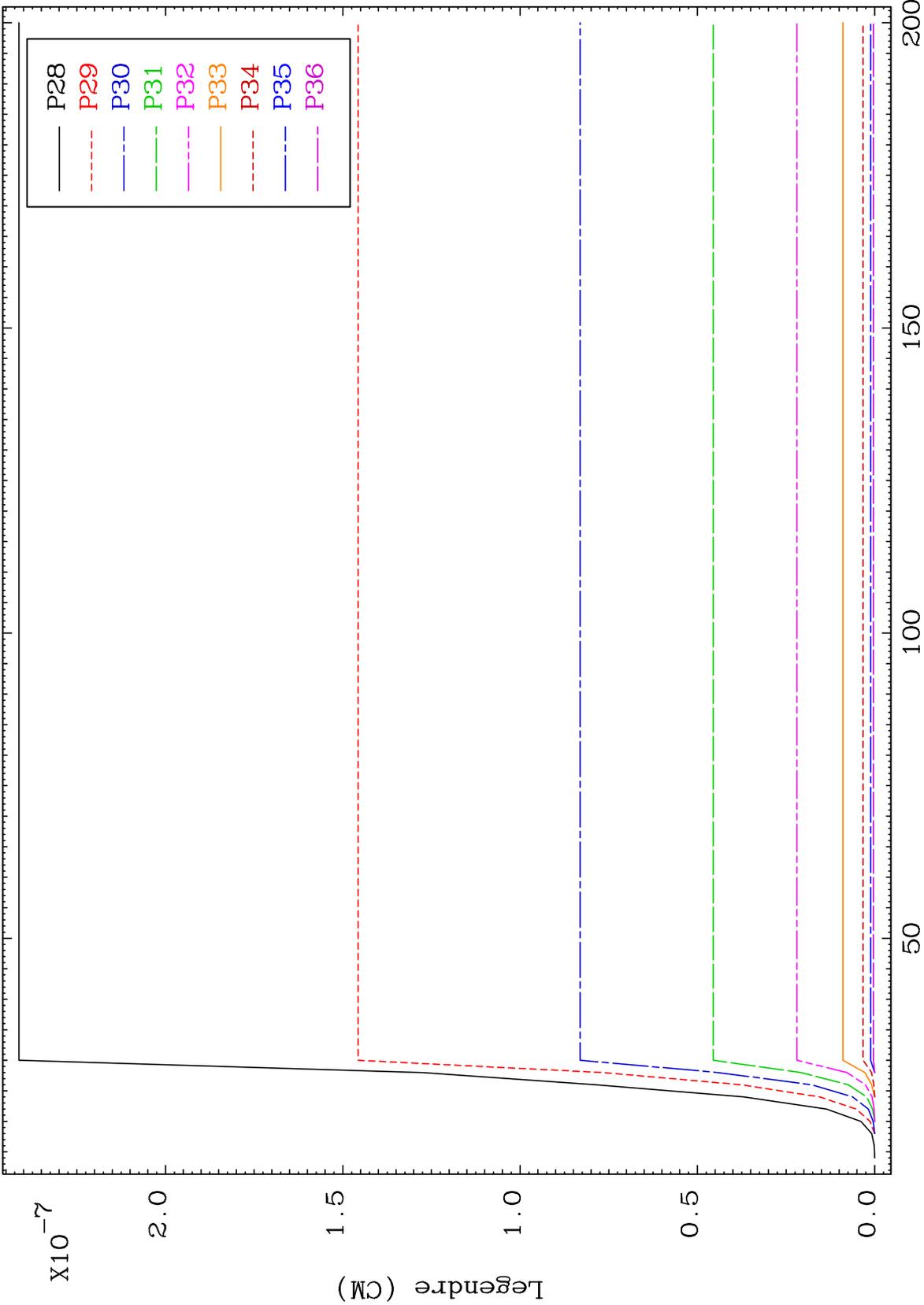
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MAT 8316

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

83-Bi-206



58

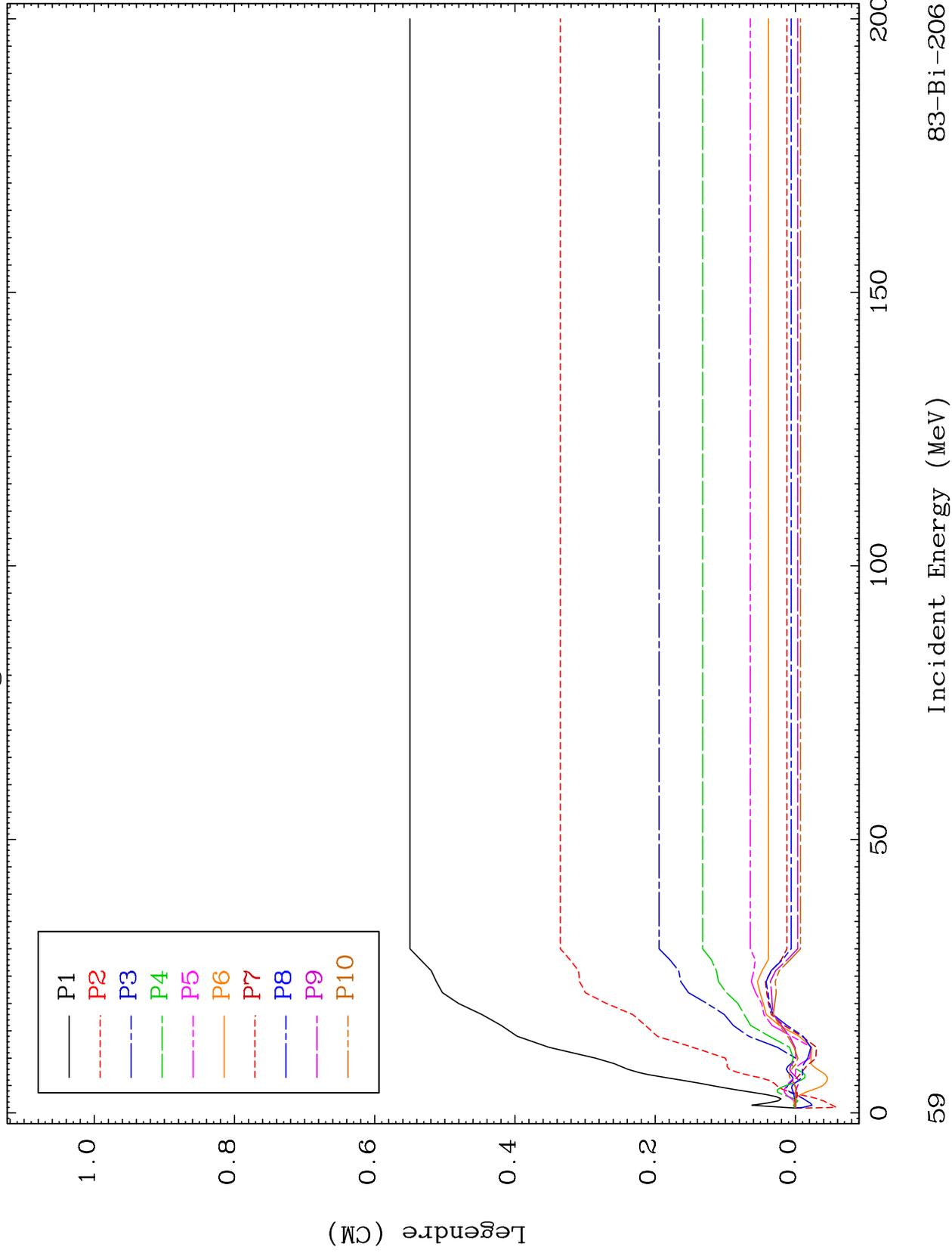
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

83-Bi-206

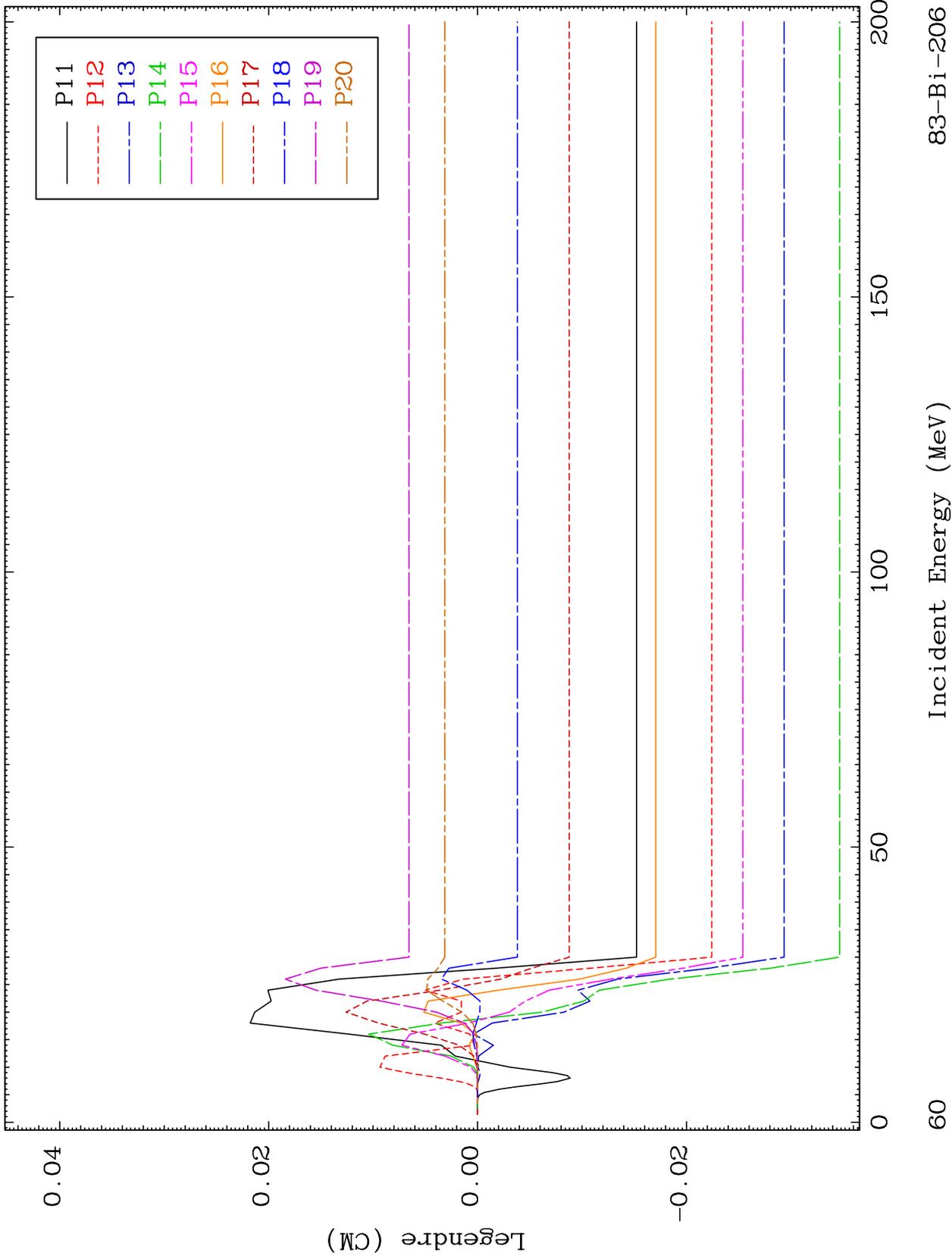


59

MAT 8316

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

83-Bi-206



83-Bi-206

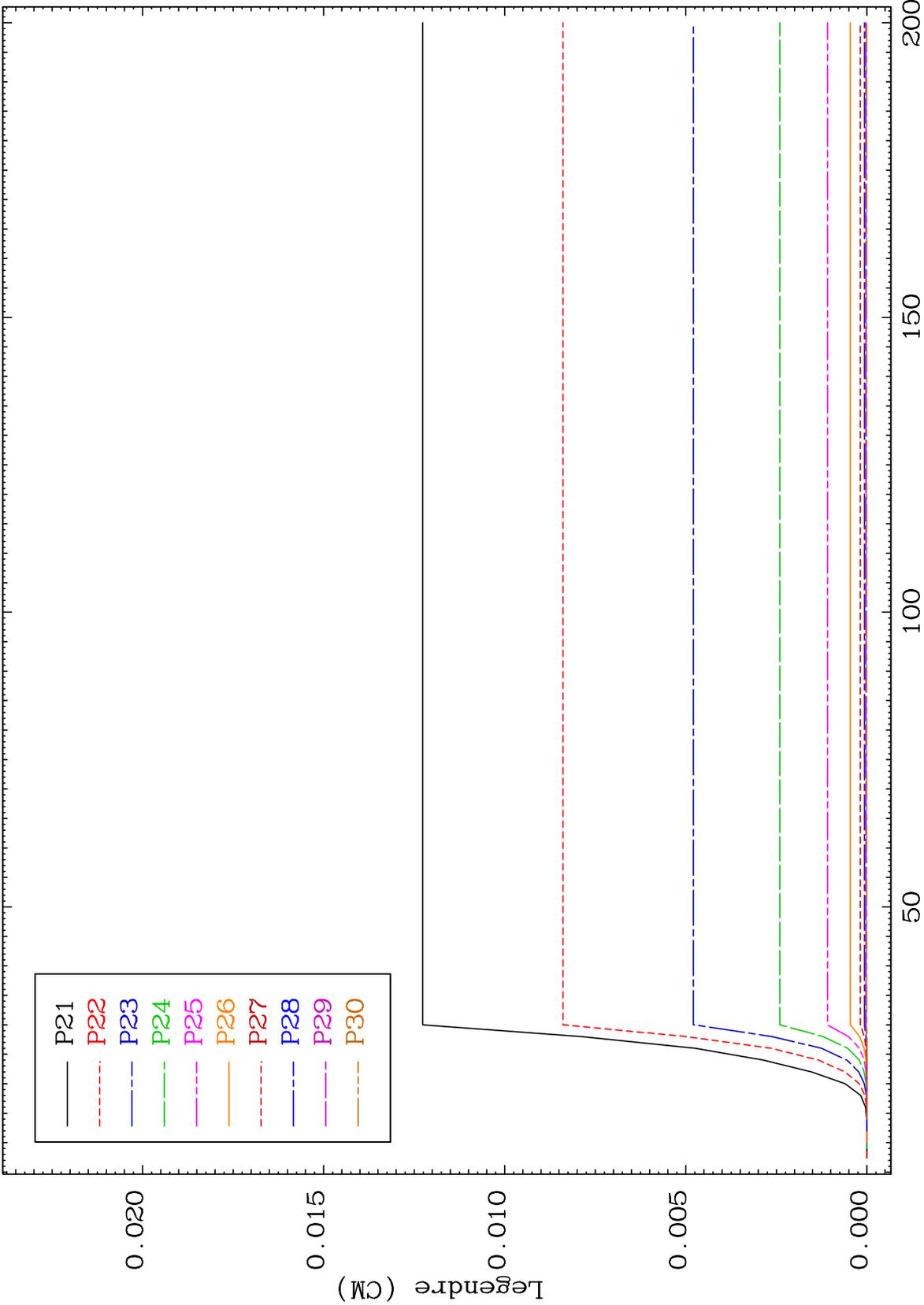
Incident Energy (MeV)

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MAT 8316

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

83-Bi-206



61

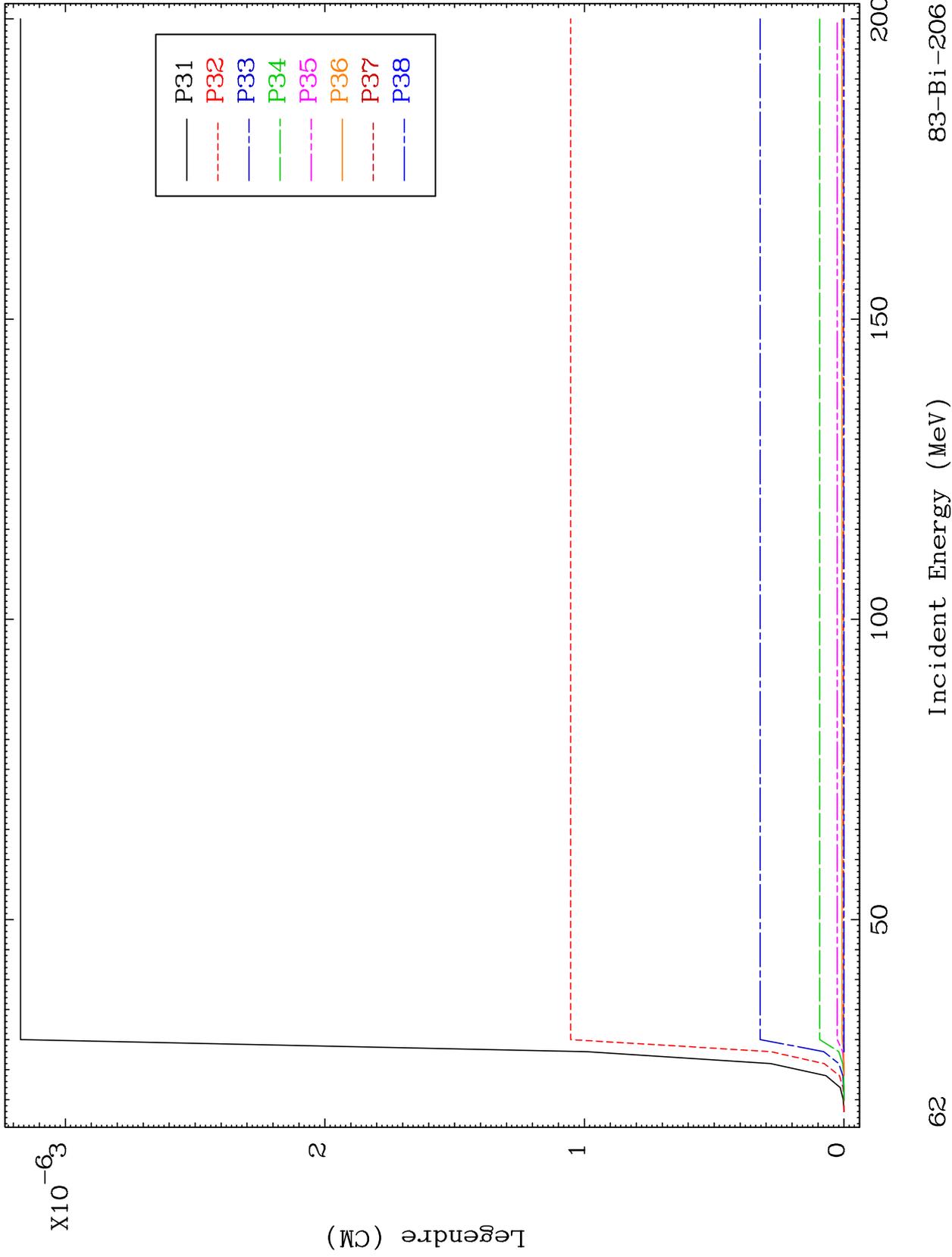
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

83-Bi-206



62

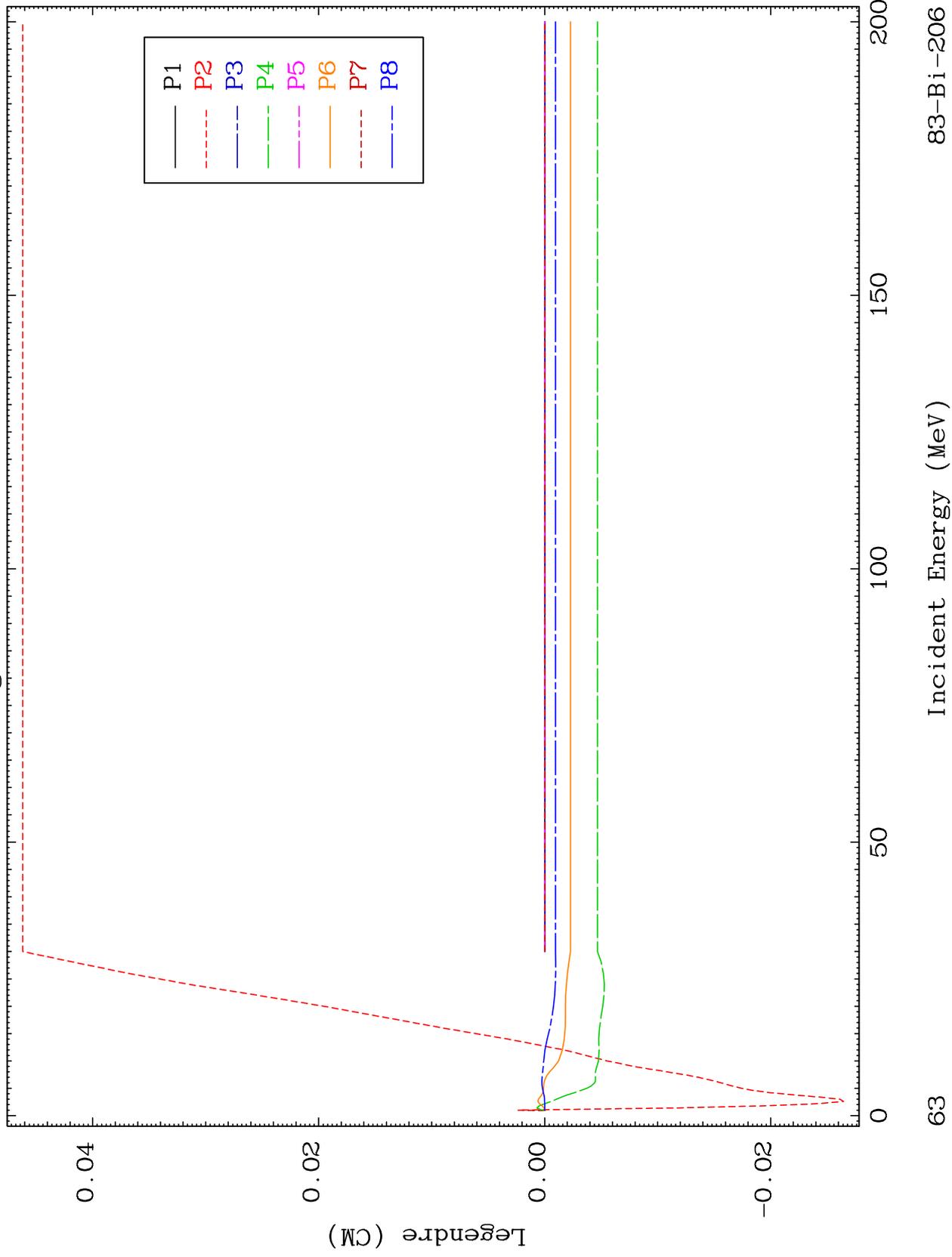
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

83-Bi-206



83-Bi-206

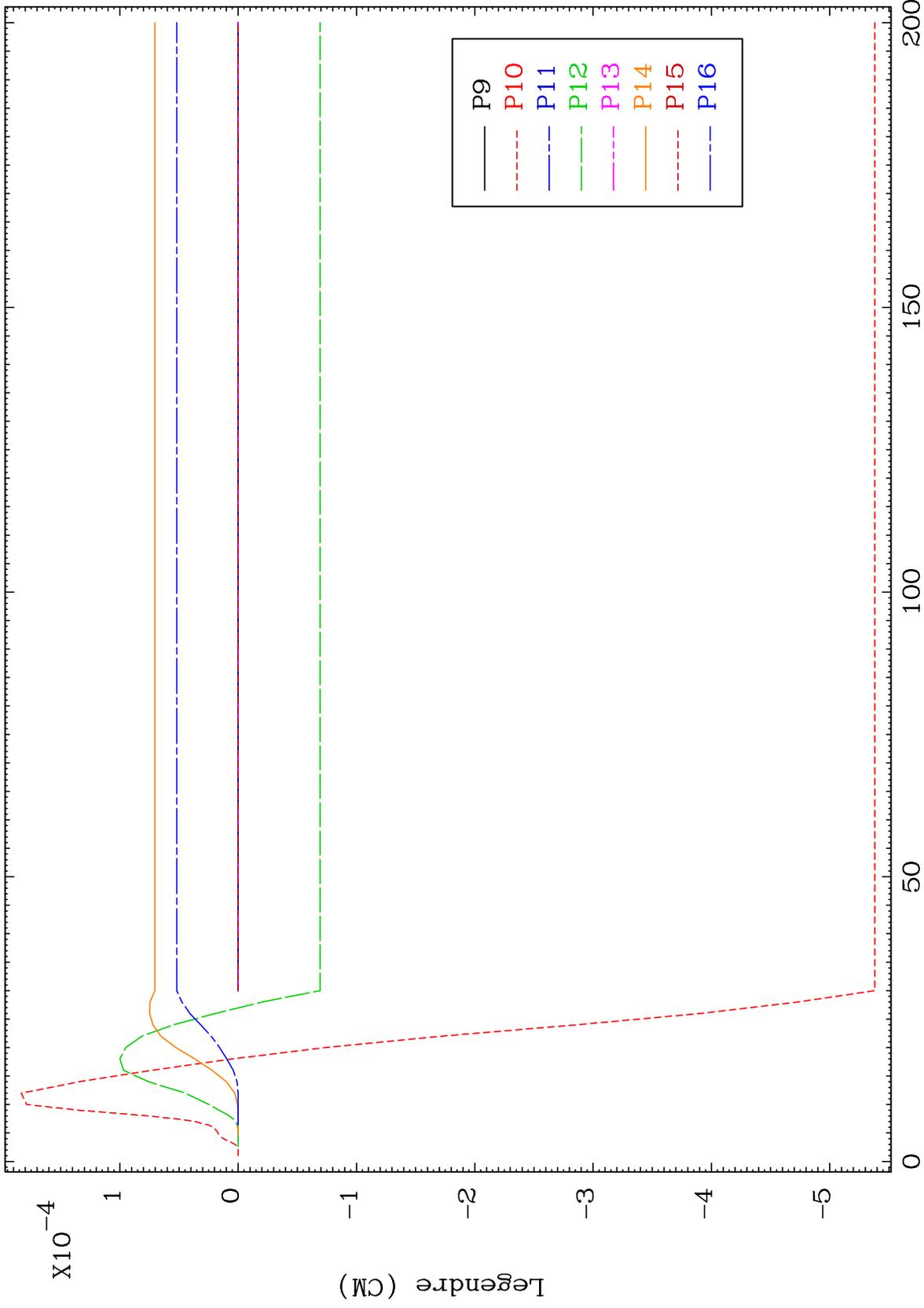
Incident Energy (MeV)

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MAT 8316

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

83-Bi-206



64

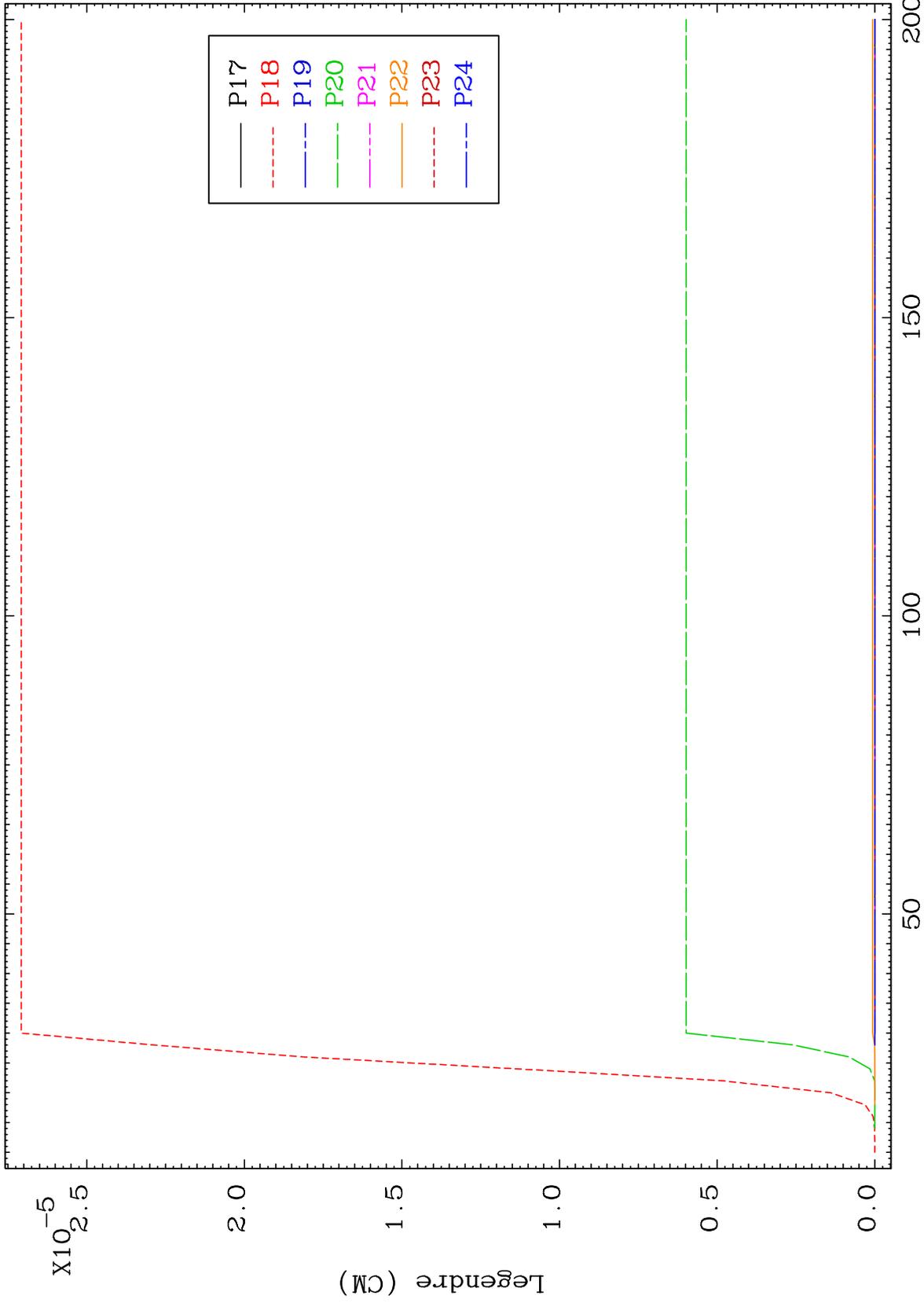
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

83-Bi-206



65

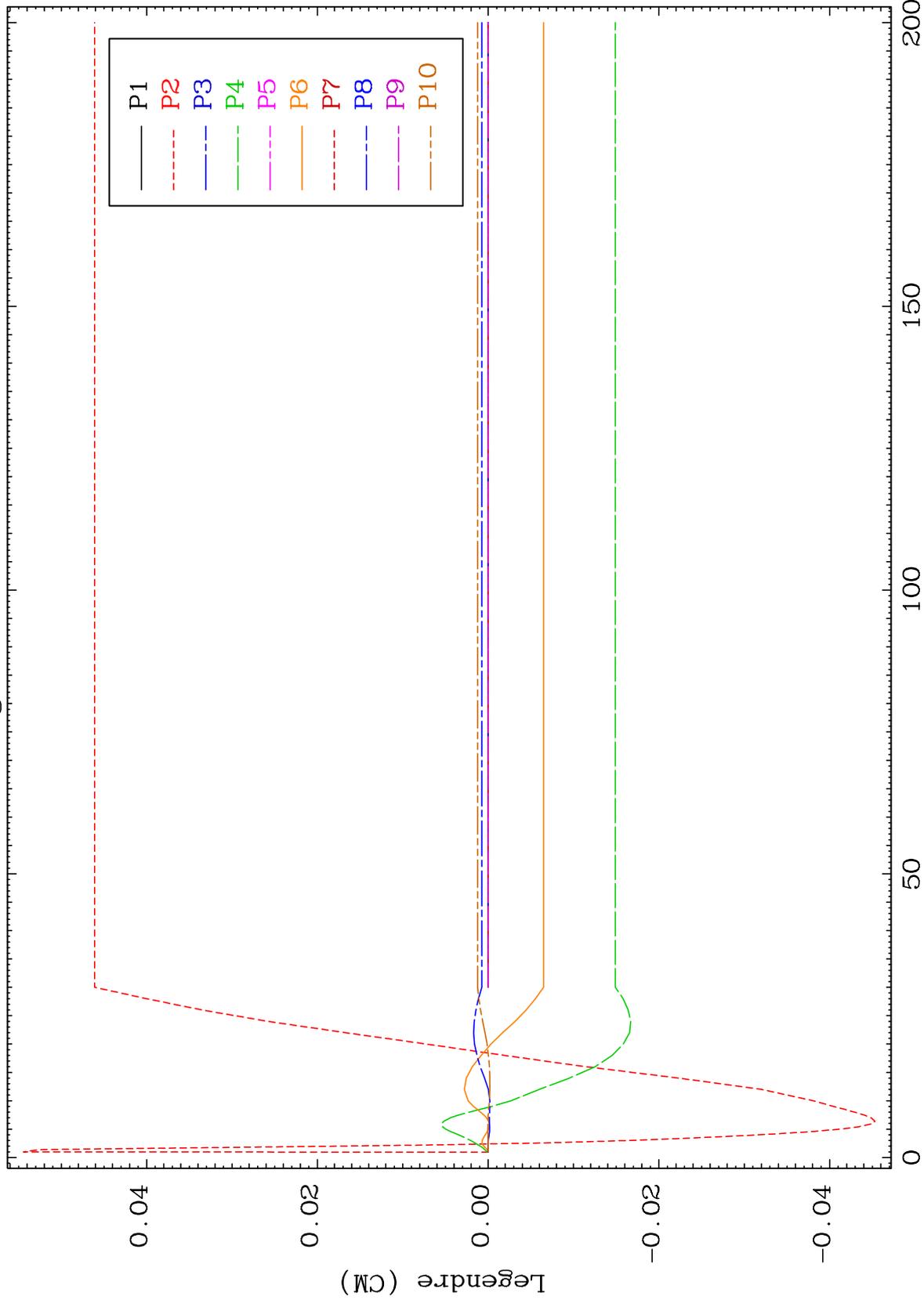
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

83-Bi-206



83-Bi-206

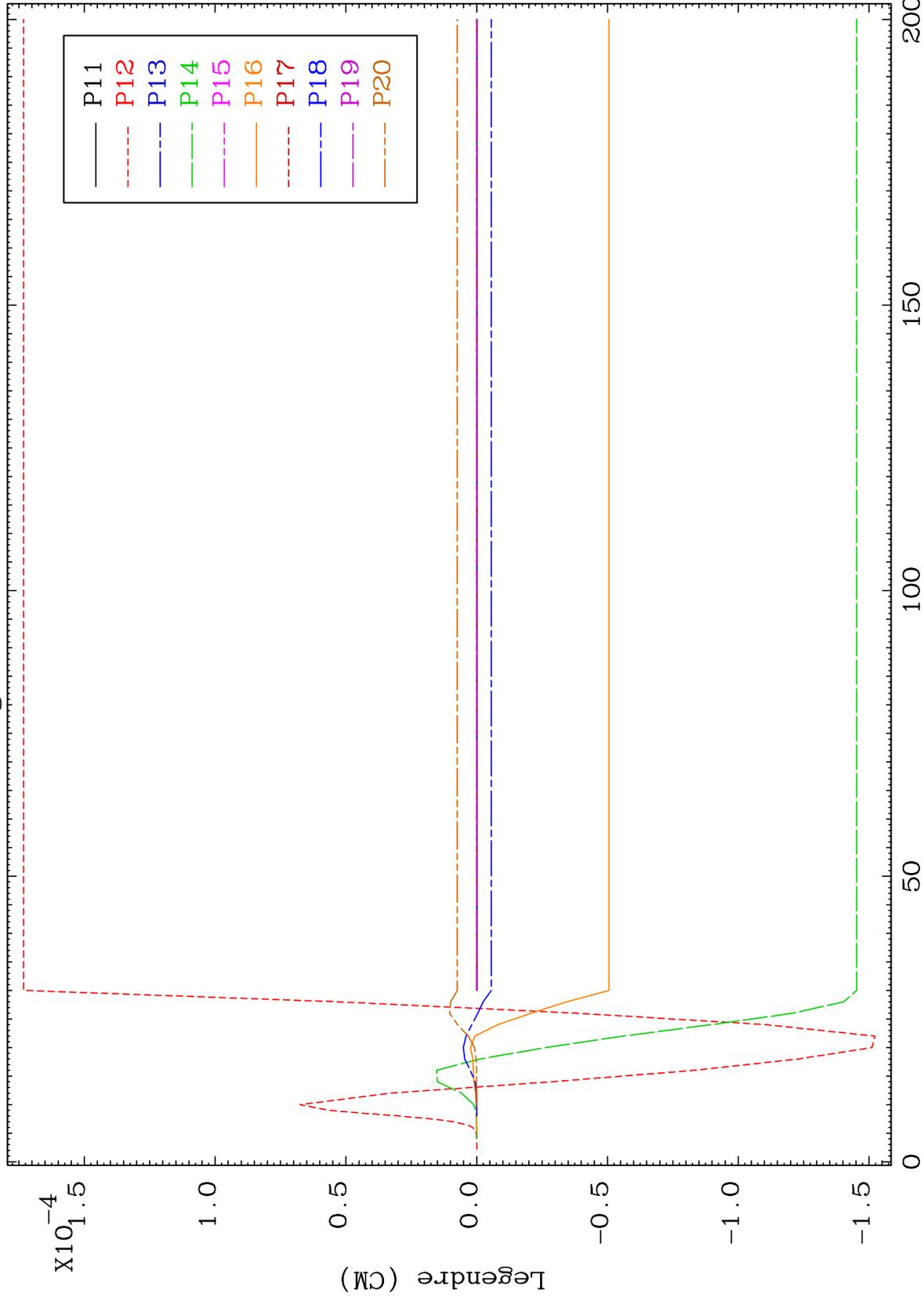
Incident Energy (MeV)

66

MAT 8316

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

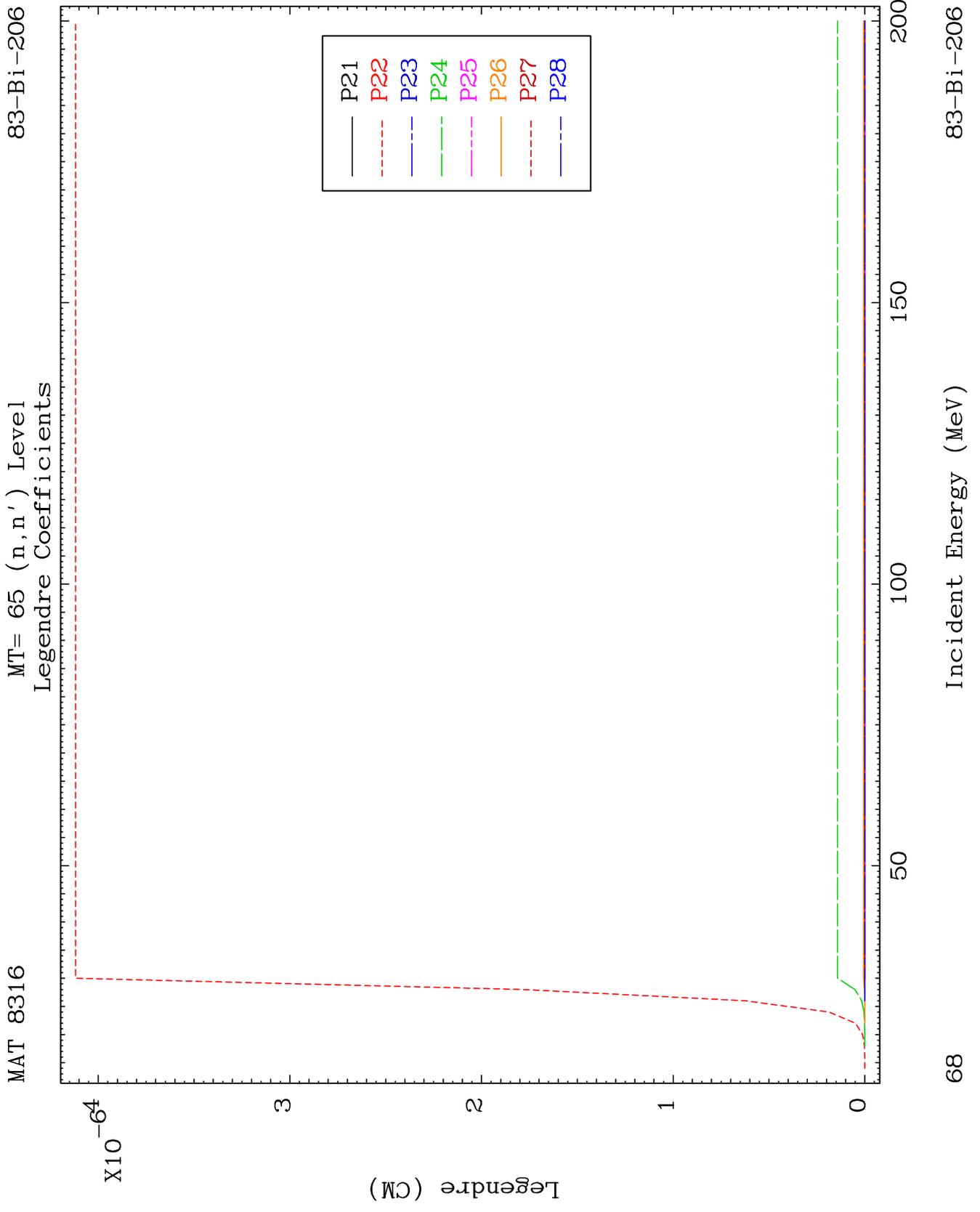
83-Bi-206



67

Incident Energy (MeV)

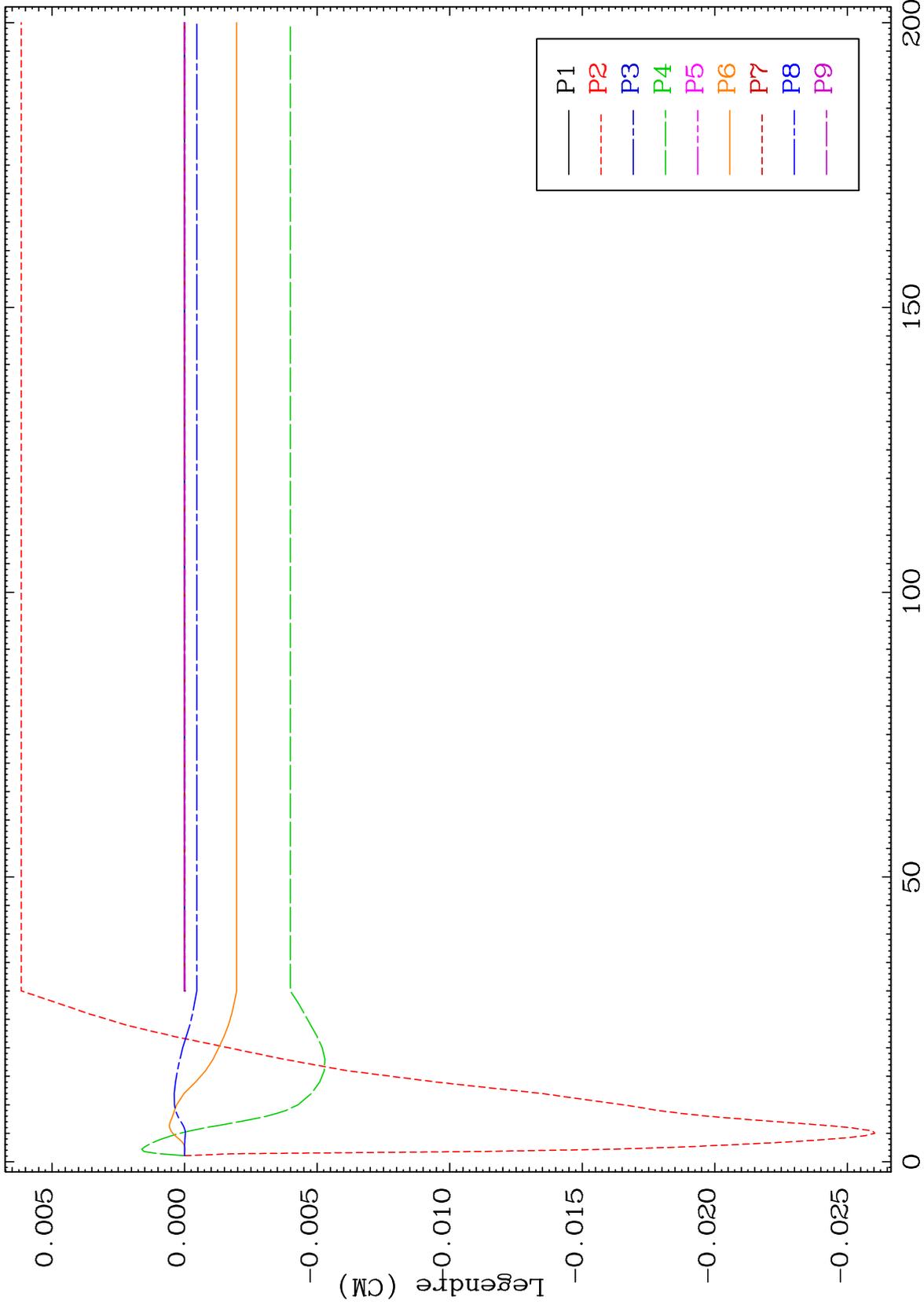
83-Bi-206



MAT 8316

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

83-Bi-206



69

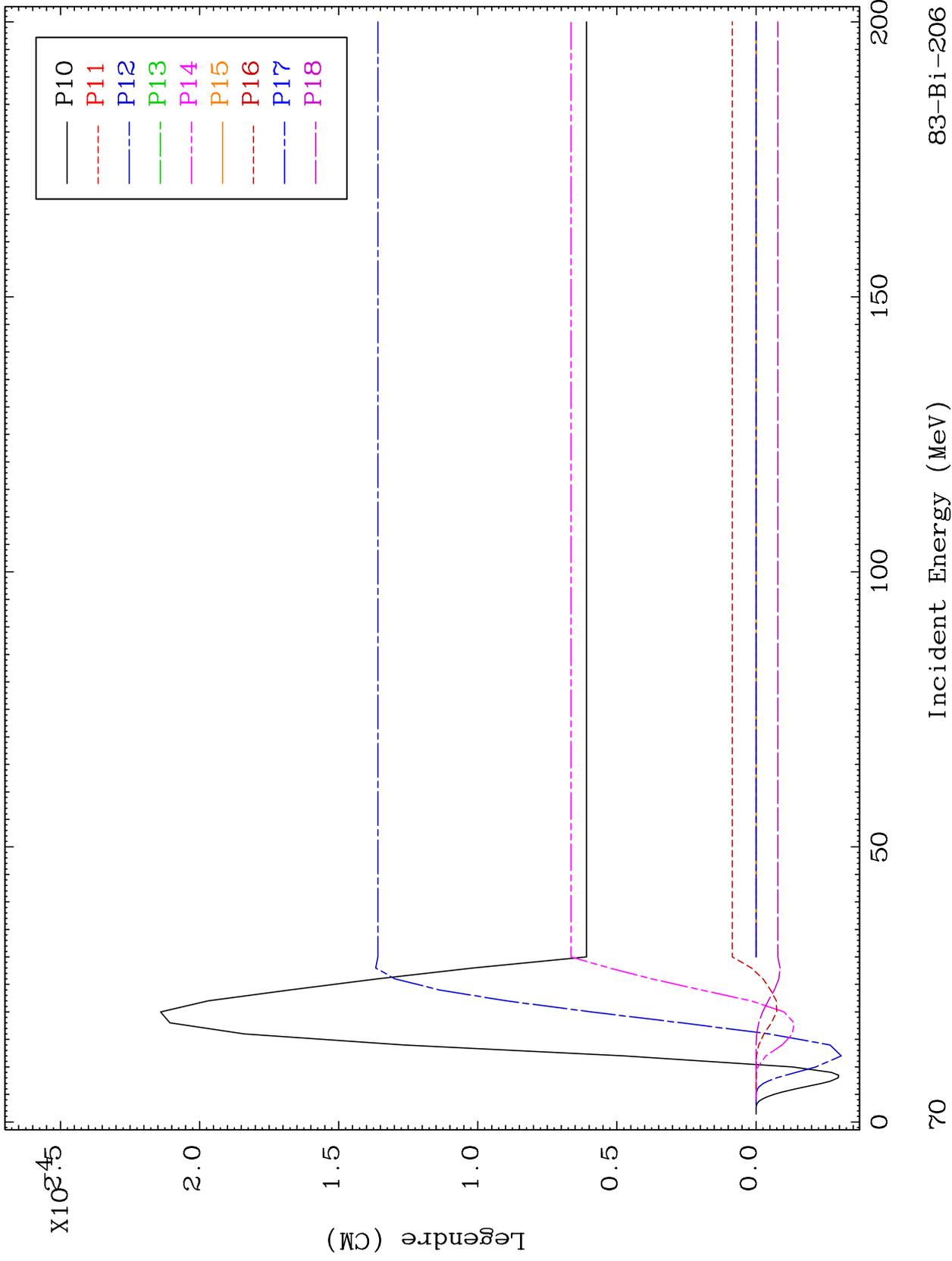
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

83-Bi-206

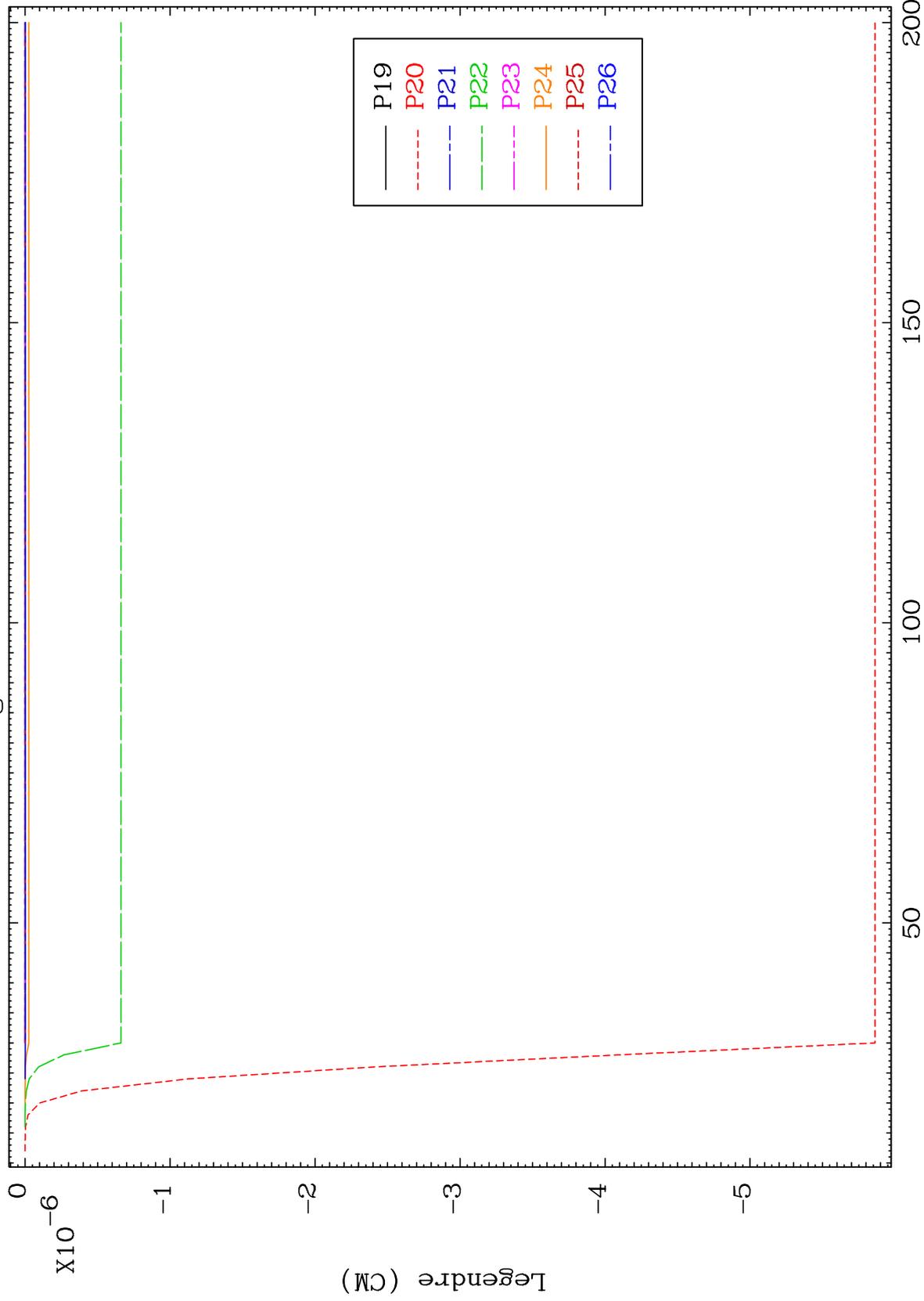


83-Bi-206

MAT 8316

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

83-Bi-206



71

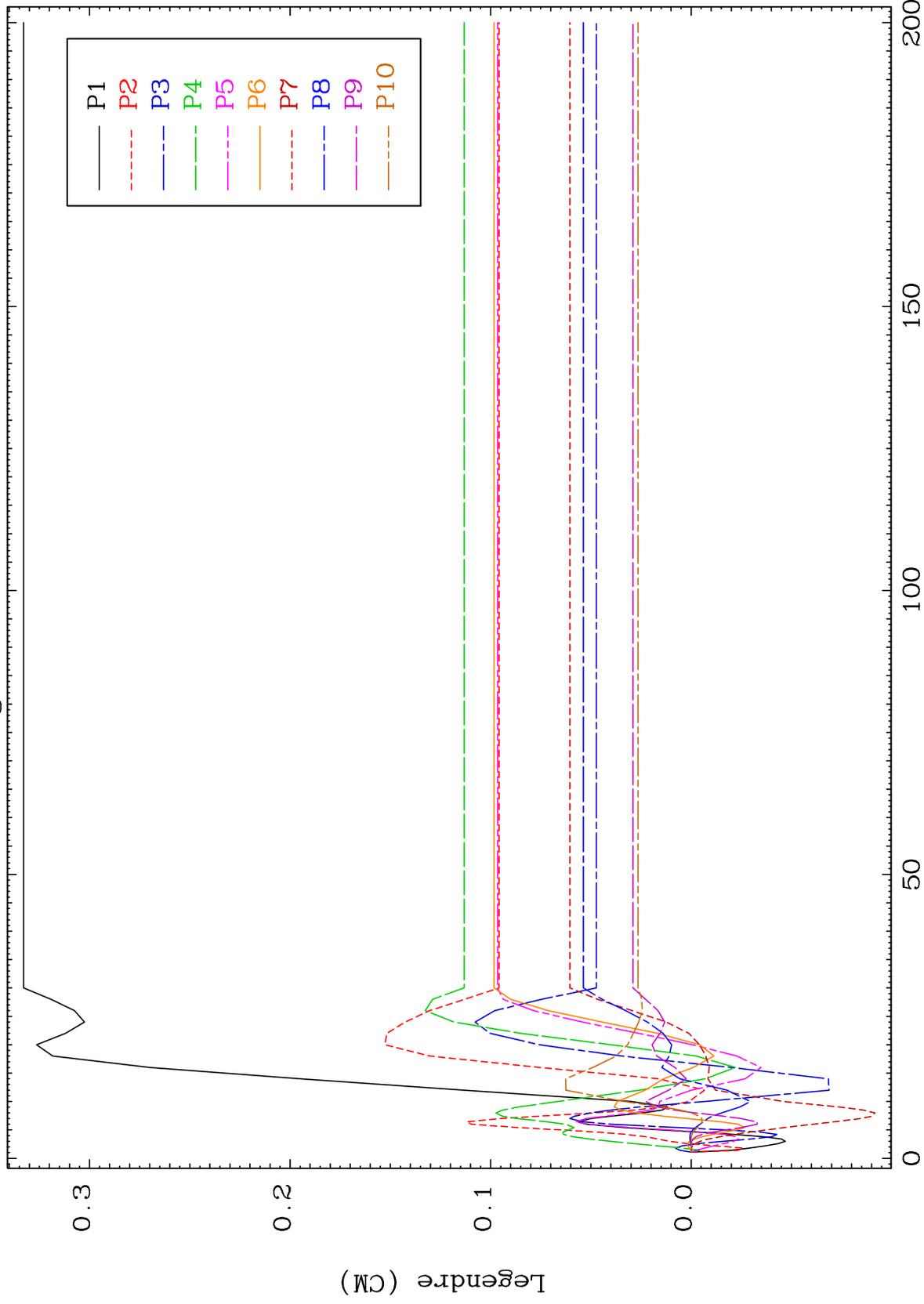
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

83-Bi-206



72

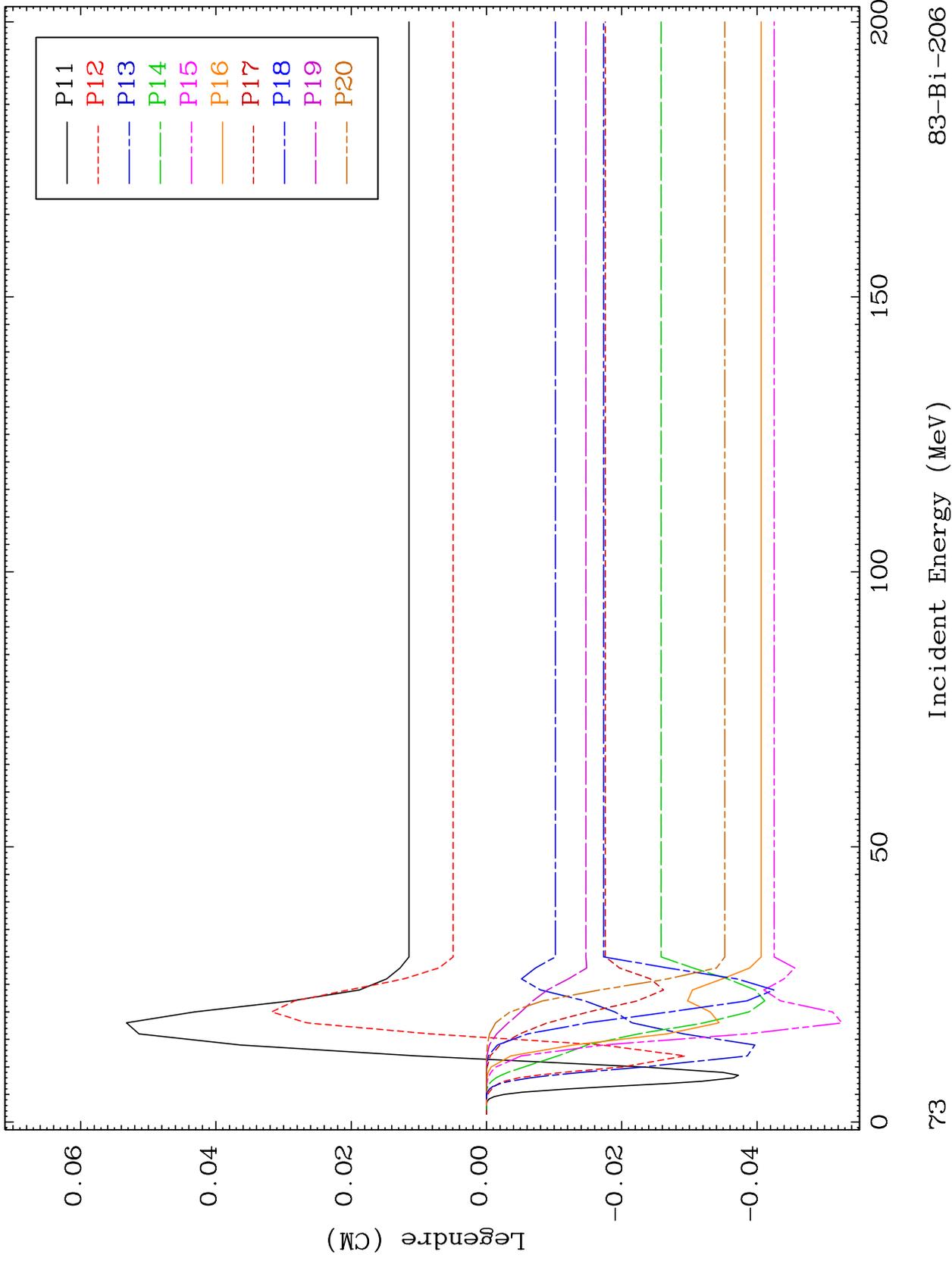
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

83-Bi-206



73

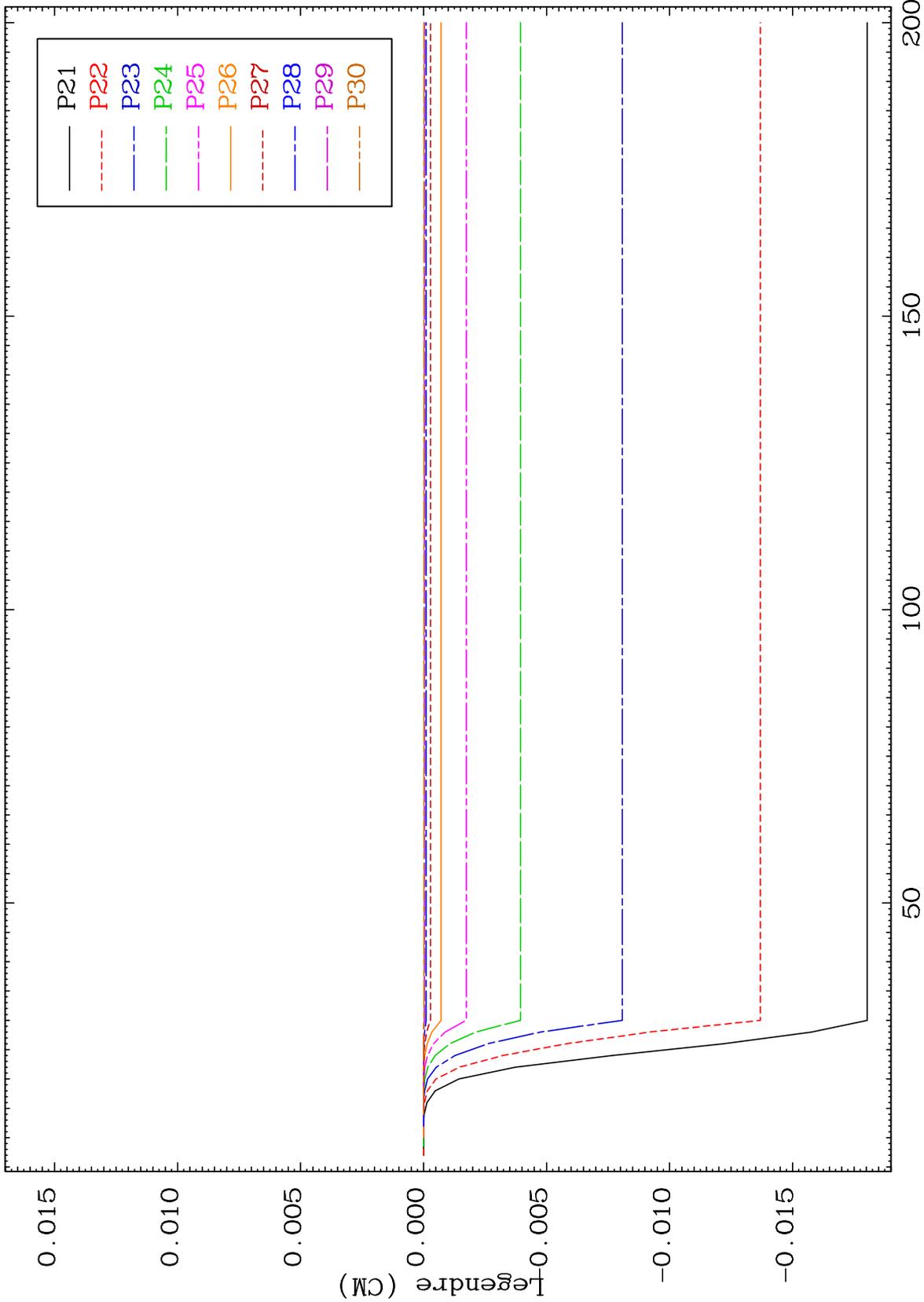
Incident Energy (MeV)

83-Bi-206

MAT 8316

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

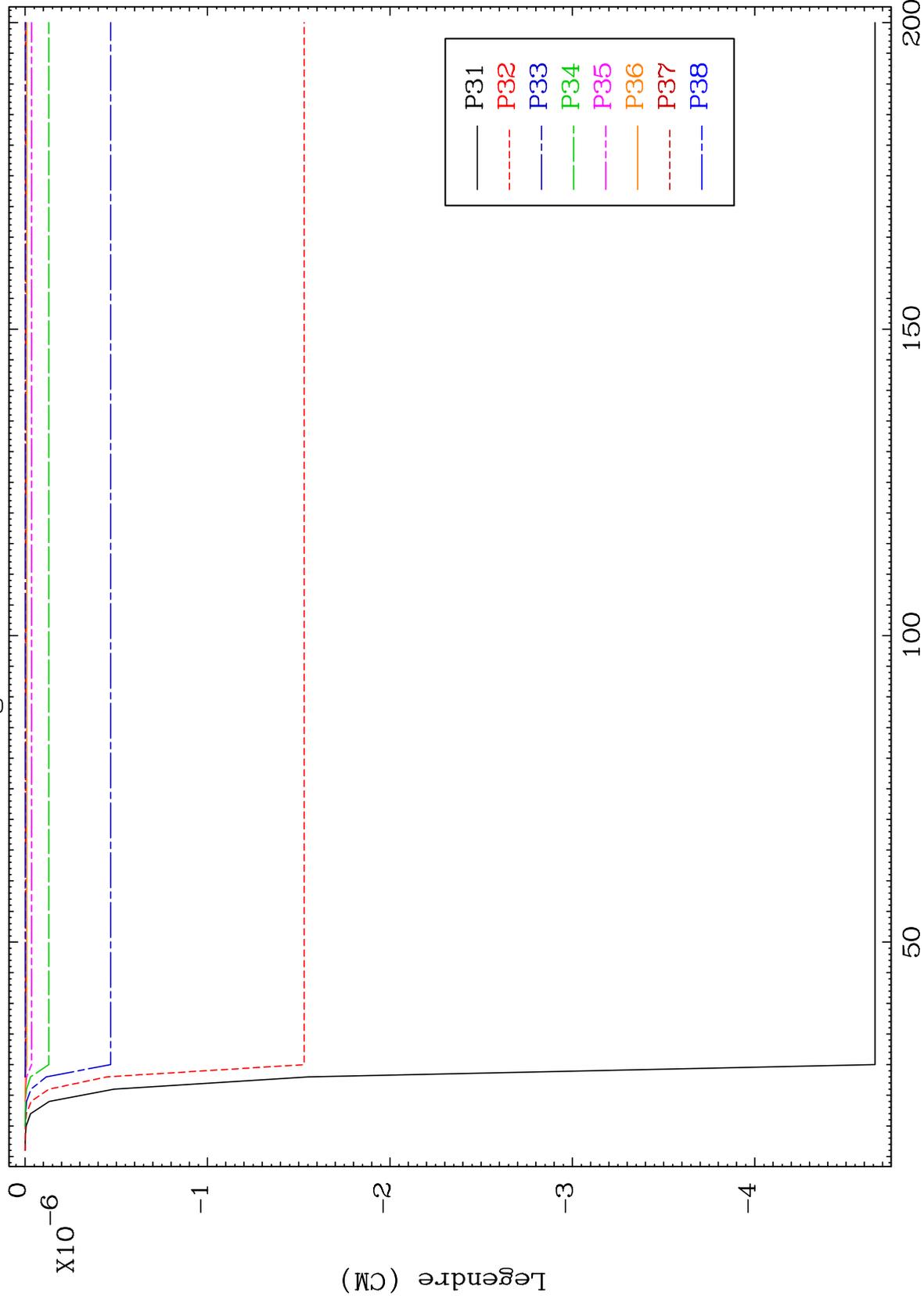
83-Bi-206



MAT 8316

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

83-Bi-206



75

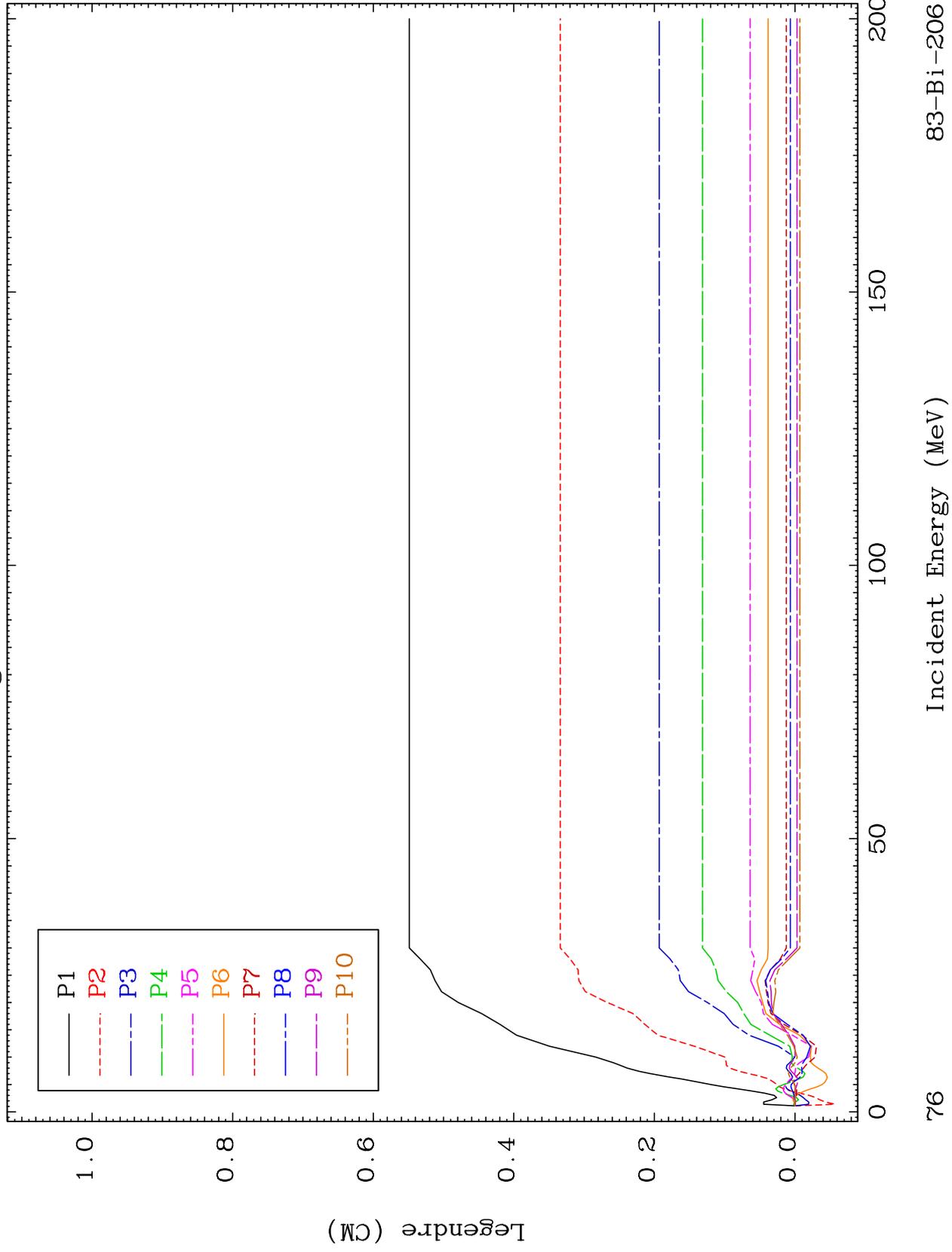
Incident Energy (MeV)

83-Bi-206

MAT 8316

MT= 68 (n,n') Level
Legendre Coefficients

83-Bi-206



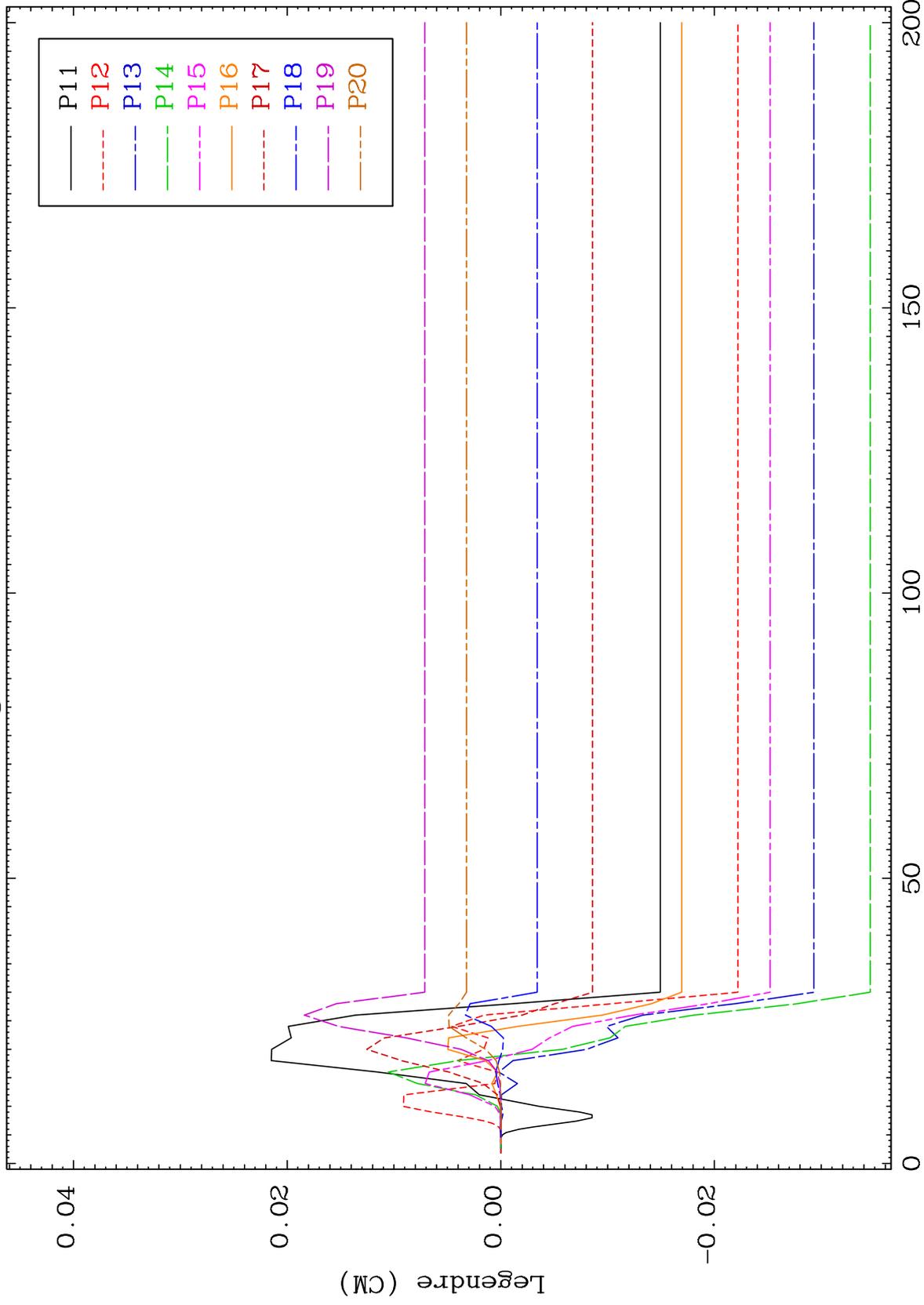
76

83-Bi-206

MAT 8316

MT= 68 (n,n') Level
Legendre Coefficients

83-Bi-206



77

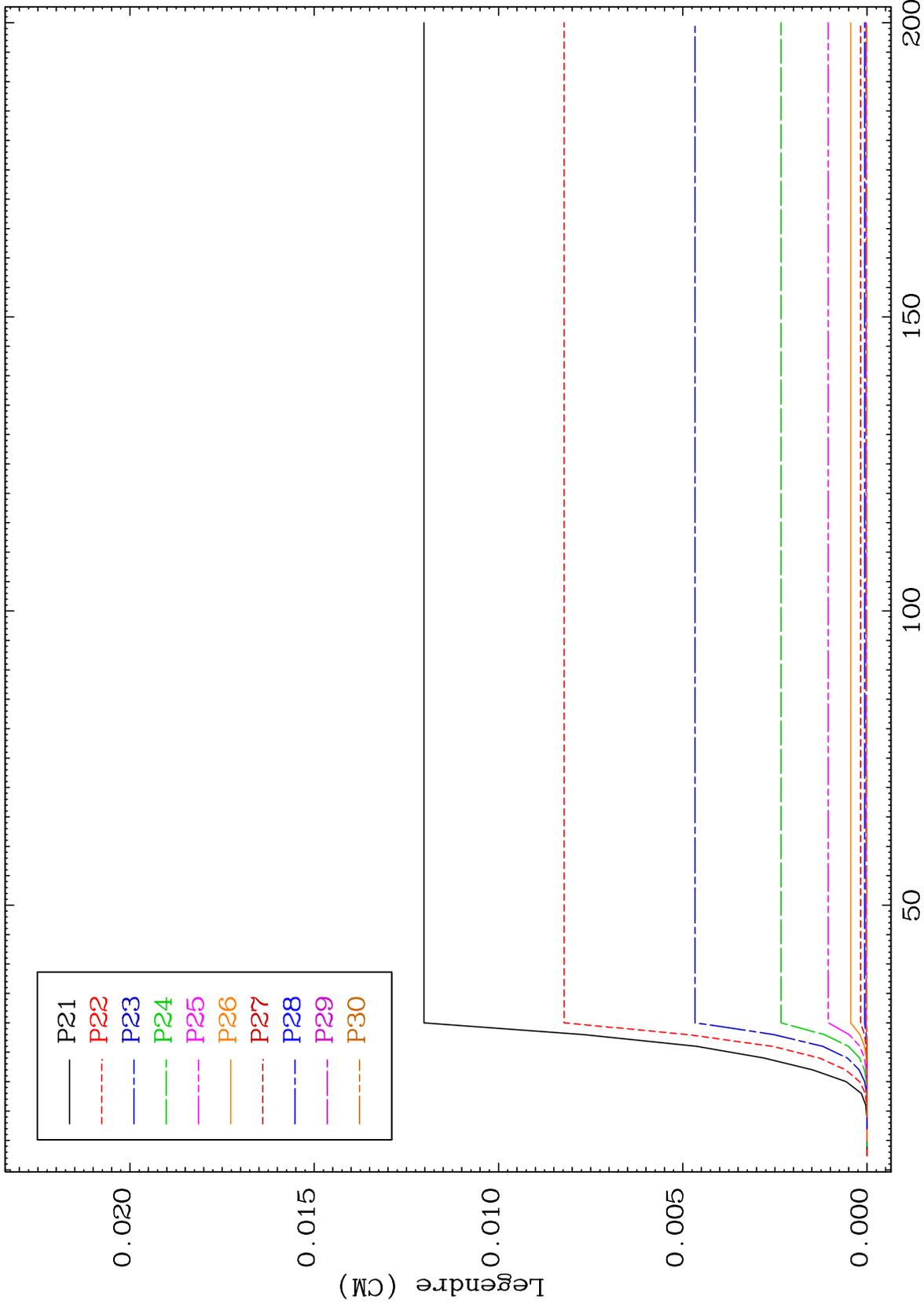
Incident Energy (MeV)

83-Bi-206

MAT 8316

MT= 68 (n,n') Level
Legendre Coefficients

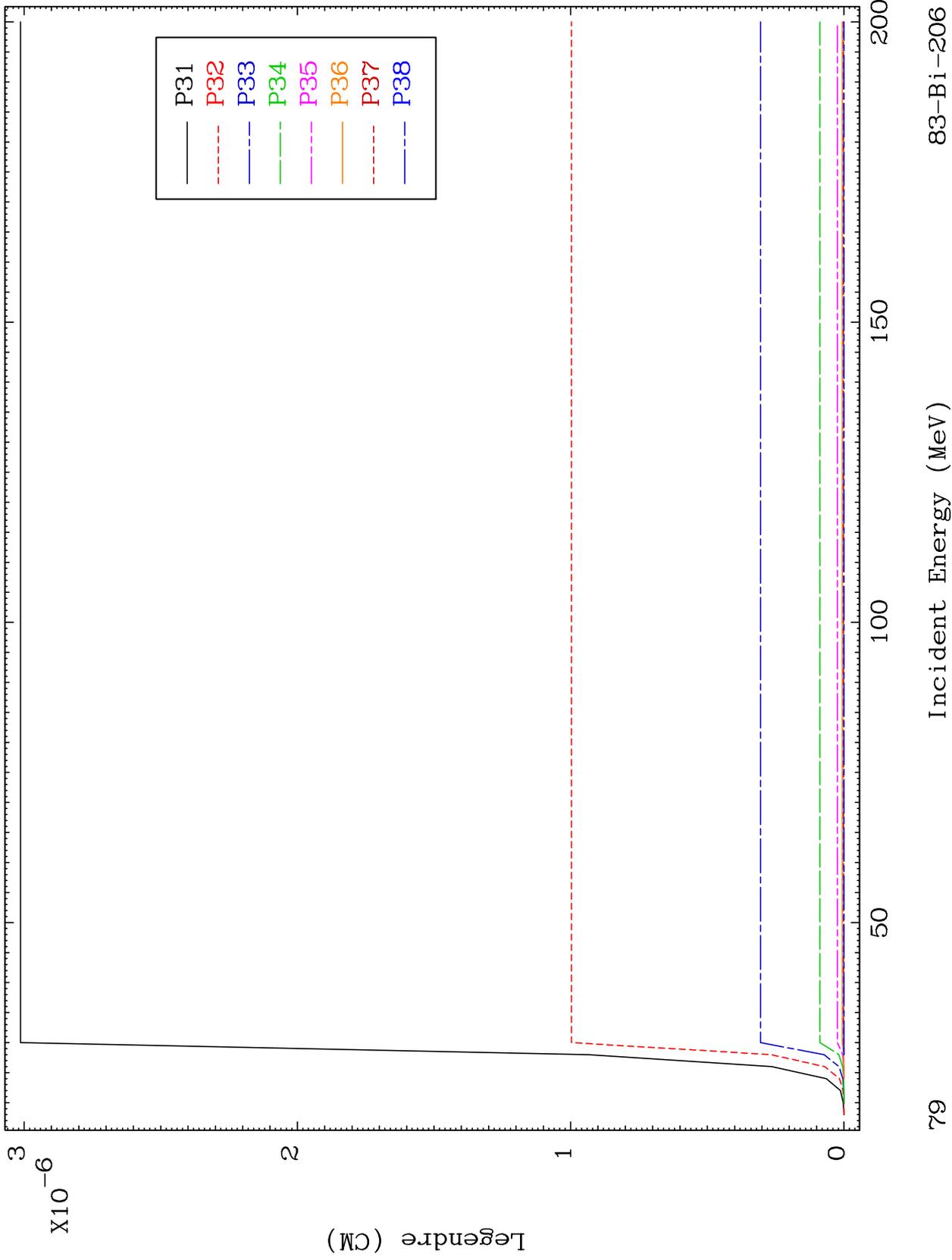
83-Bi-206



78

Incident Energy (MeV)

83-Bi-206

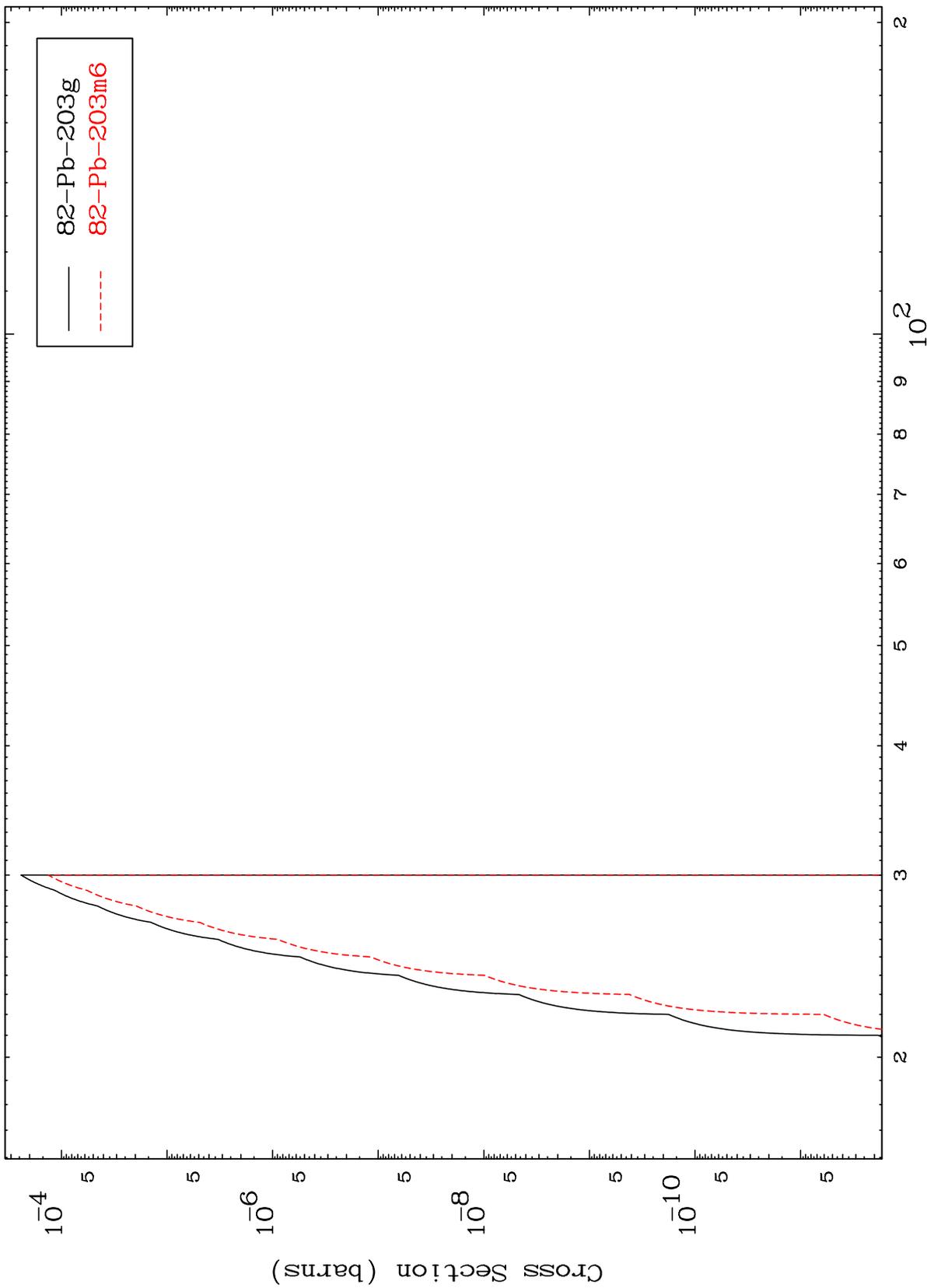


MAT 8316

(n,2n) d

83-Bi-206

Radionuclide Production Cross Section



82-Pb-203g
82-Pb-203m6

80

Incident Energy (MeV)

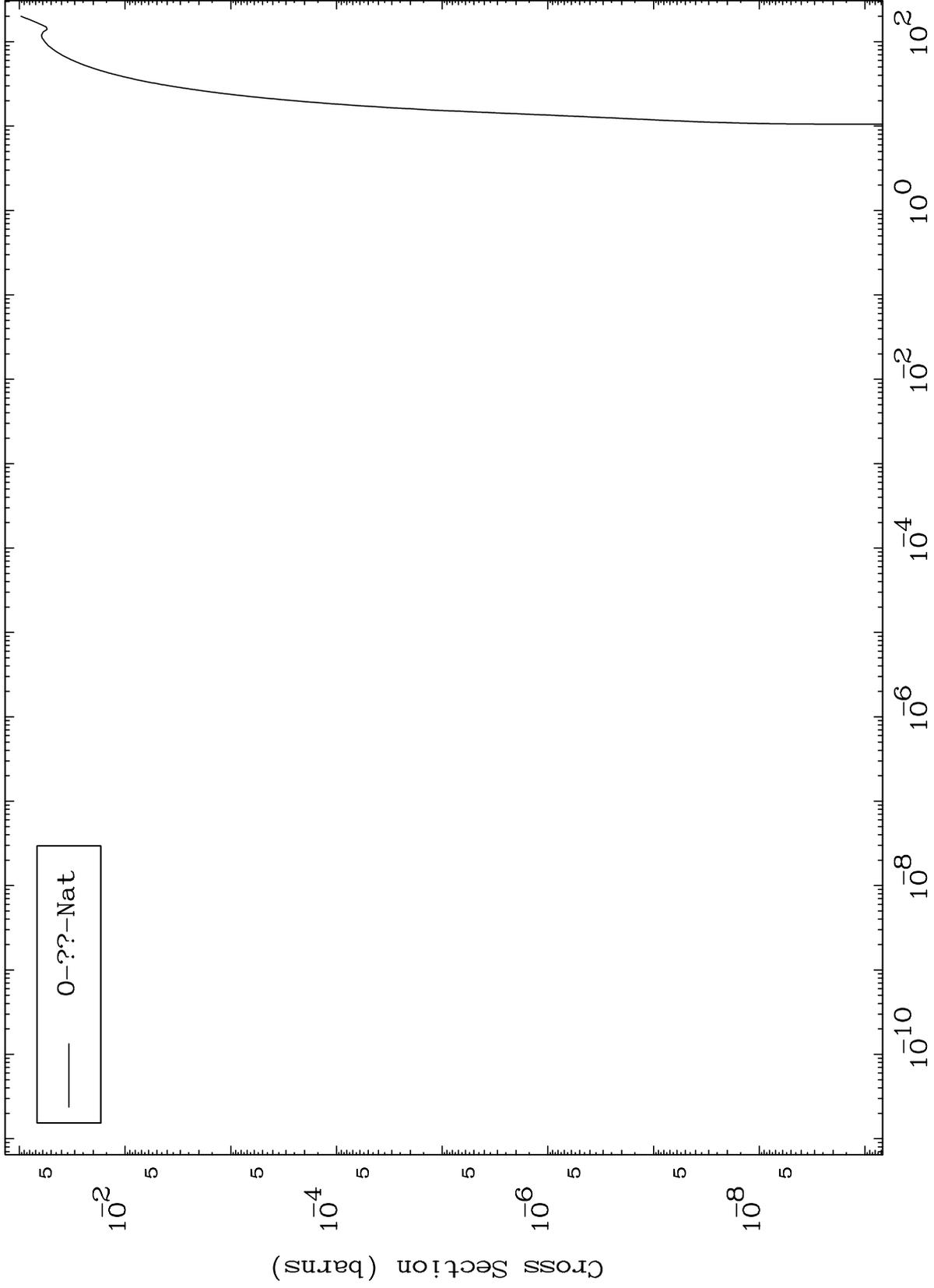
83-Bi-206

MAT 8316

Fission

83-Bi-206

Radionuclide Production Cross Section



81

Incident Energy (MeV)

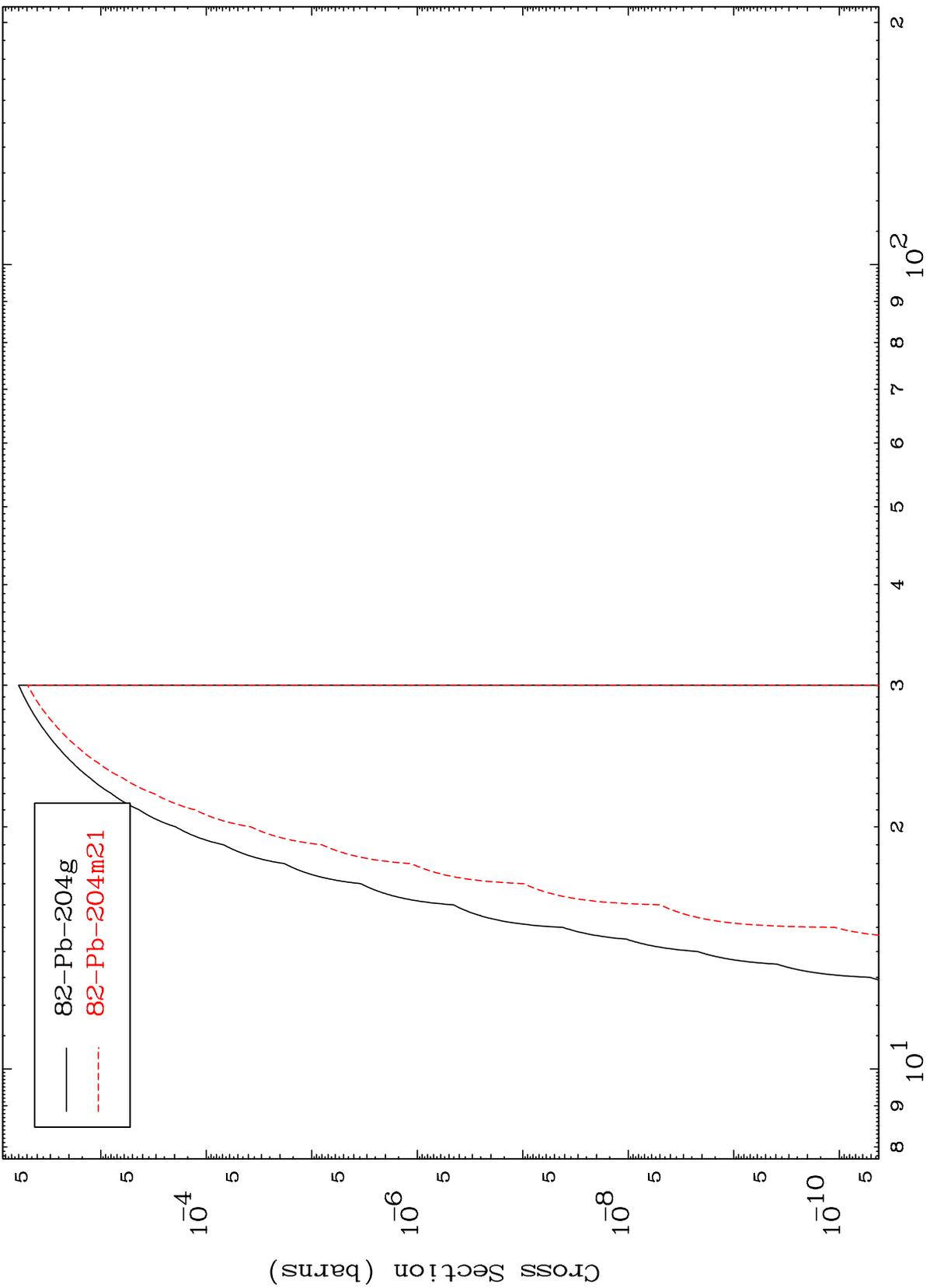
83-Bi-206

MAT 8316

(n,n') d

83-Bi-206

Radionuclide Production Cross Section



82-Pb-204g
82-Pb-204m21

82

Incident Energy (MeV)

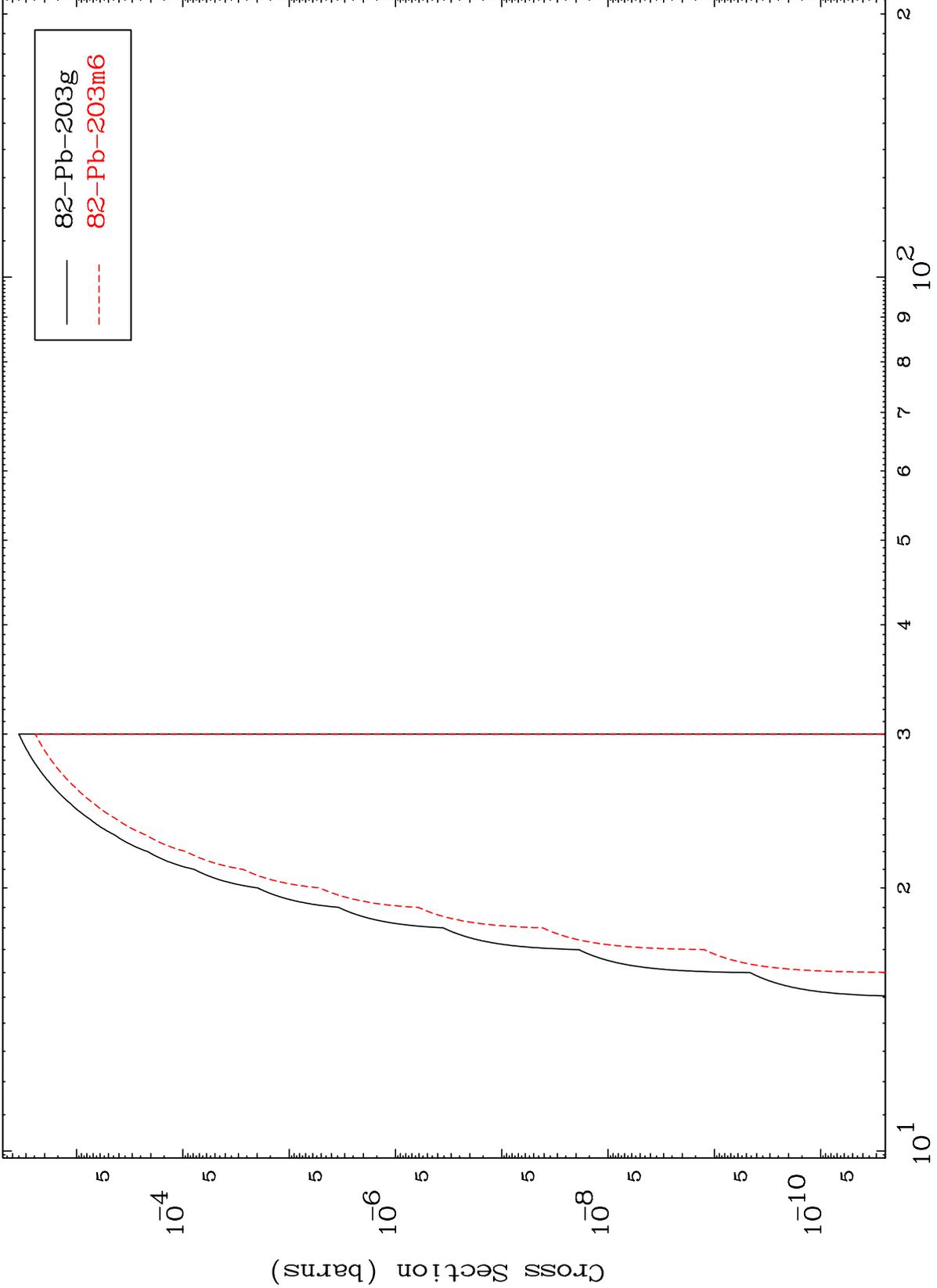
83-Bi-206

MAT 8316

(n,n') t

83-Bi-206

Radionuclide Production Cross Section



83

Incident Energy (MeV)

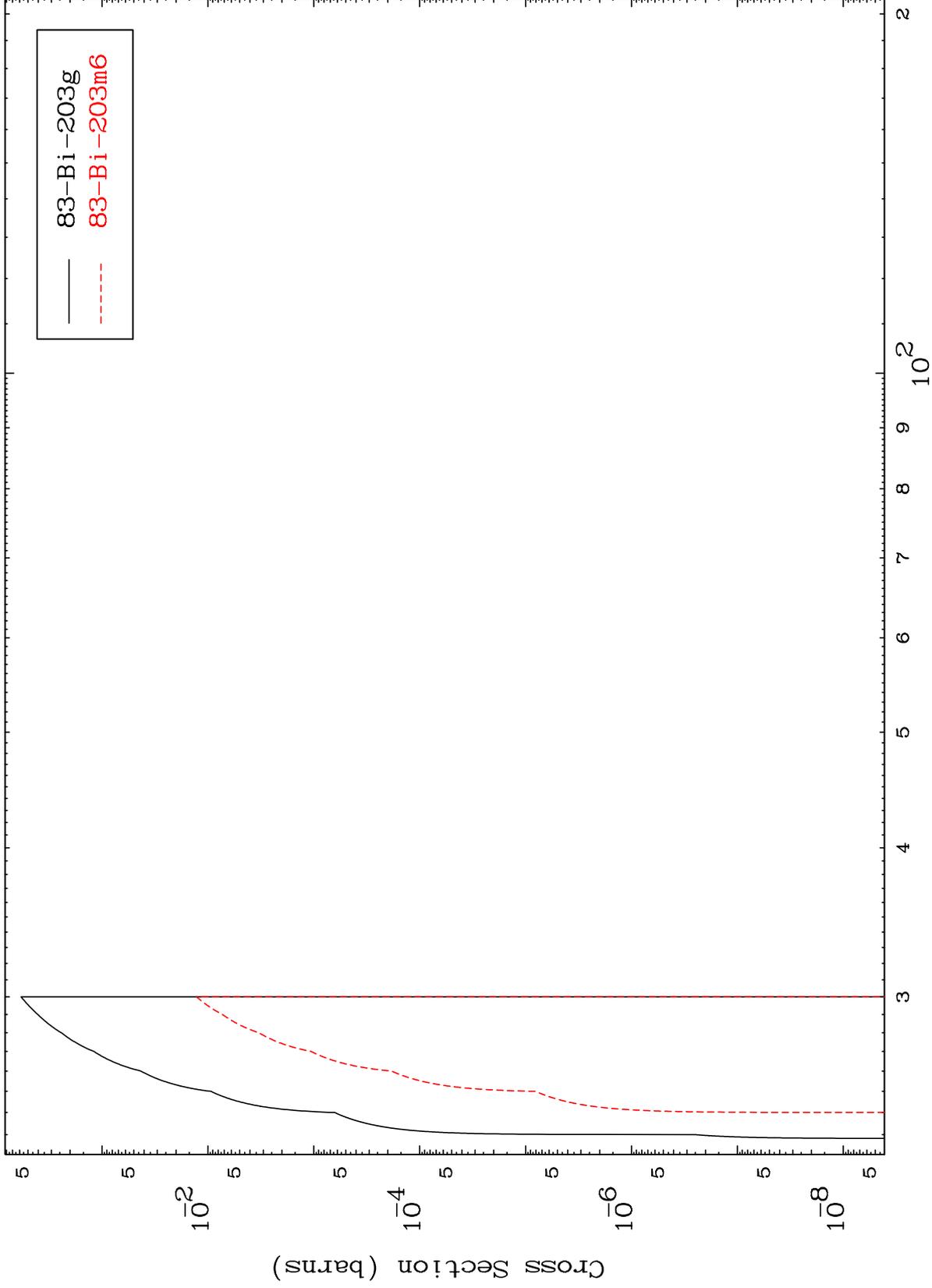
83-Bi-206

MAT 8316

(n,4n)

83-Bi-206

Radionuclide Production Cross Section



84

Incident Energy (MeV)

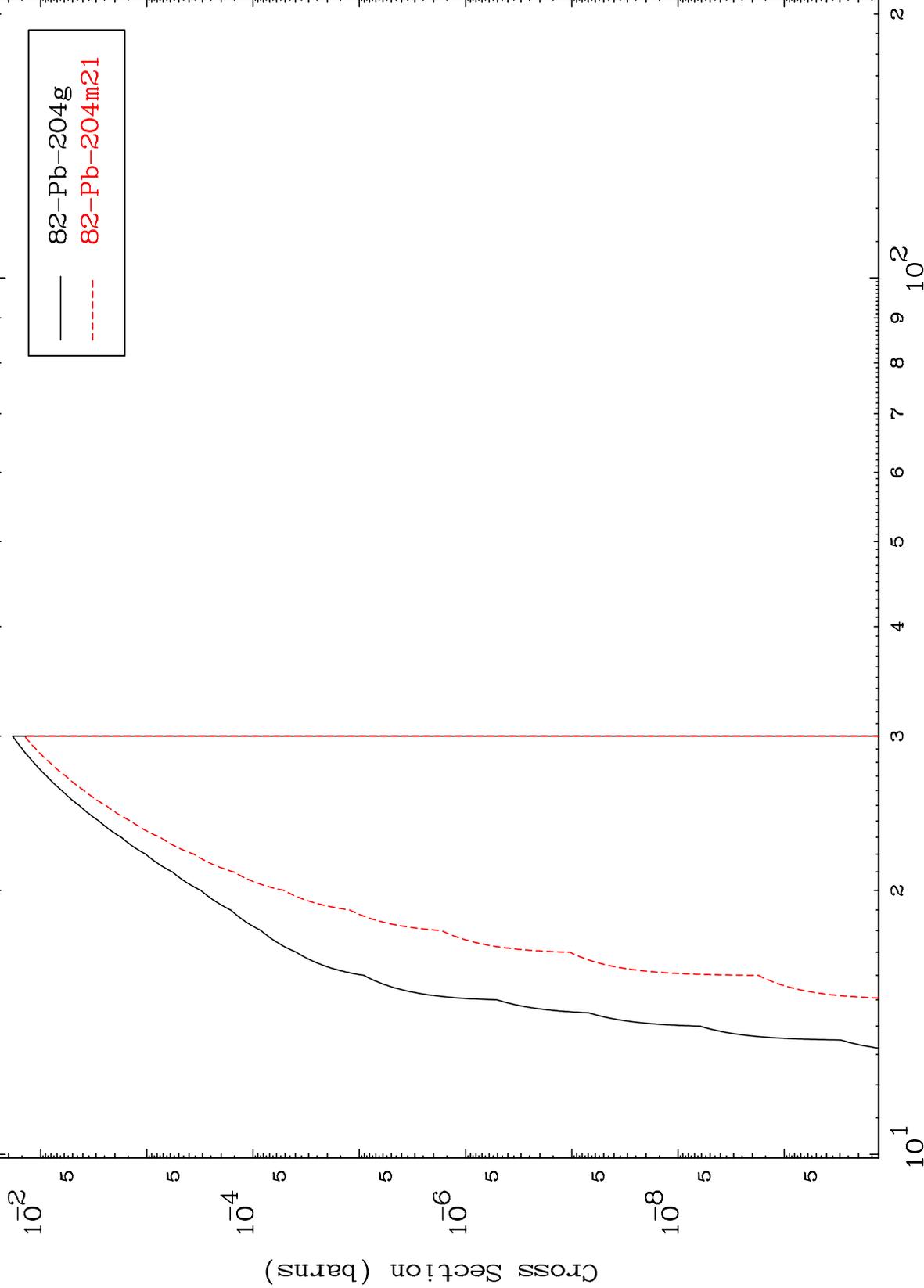
83-Bi-206

MAT 8316

(n,2n) p

83-Bi-206

Radionuclide Production Cross Section

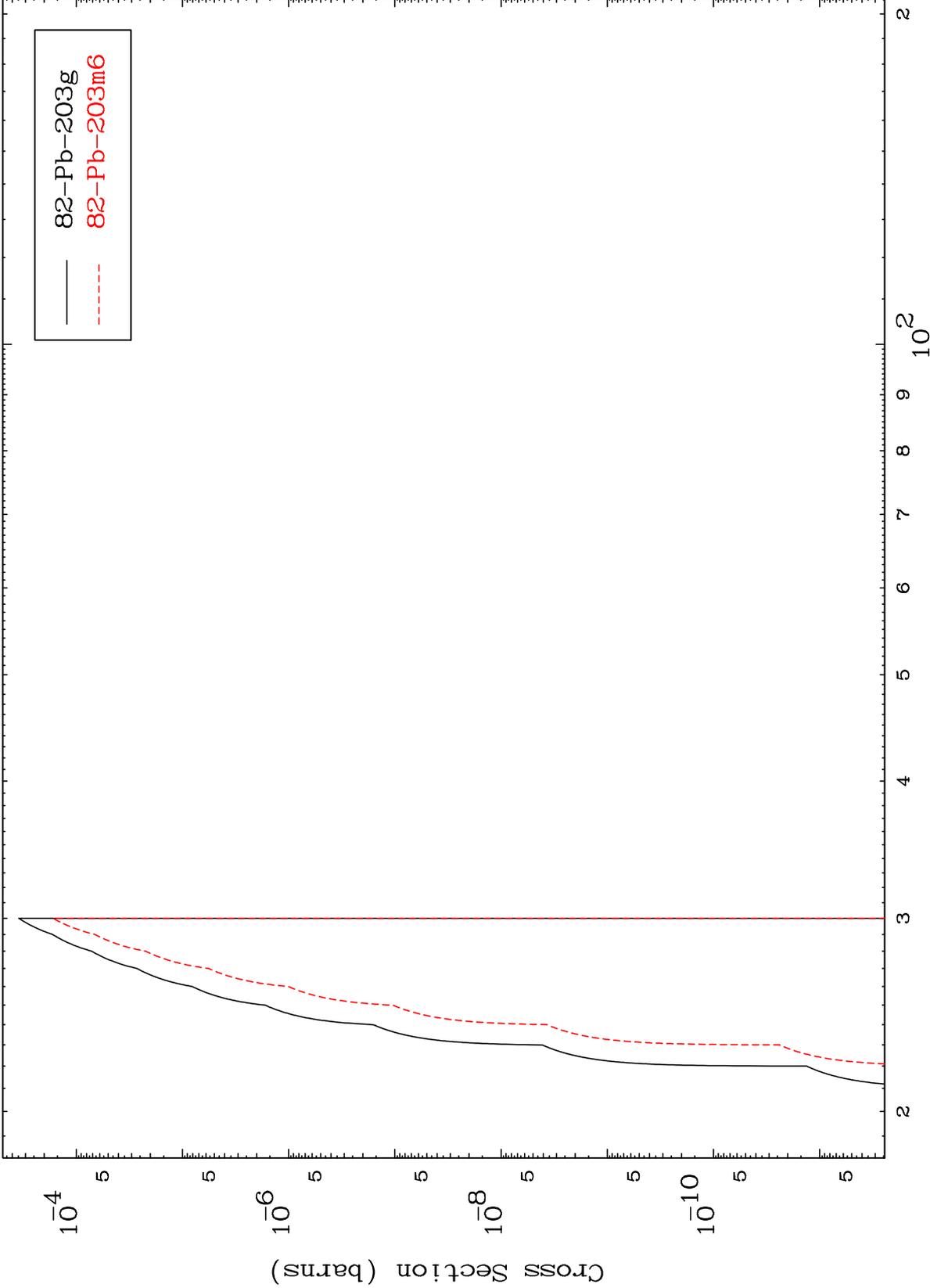


85

Incident Energy (MeV)

83-Bi-206

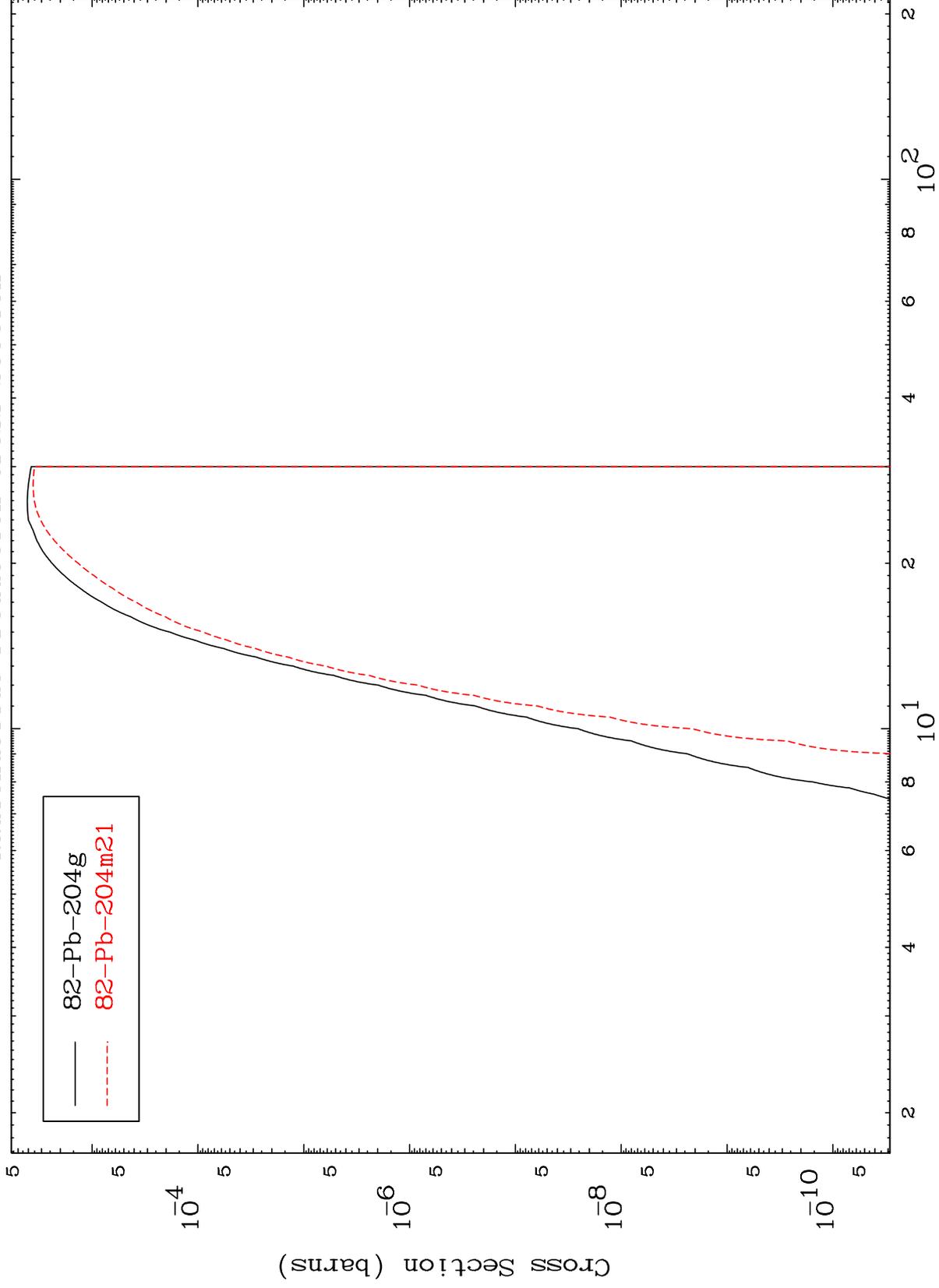
Radionuclide Production Cross Section



MAT 8316

83-Bi-206

(n, t)
Radionuclide Production Cross Section



87

Incident Energy (MeV)

83-Bi-206