

Program EVALPLOT
(Version 2018-1)

by

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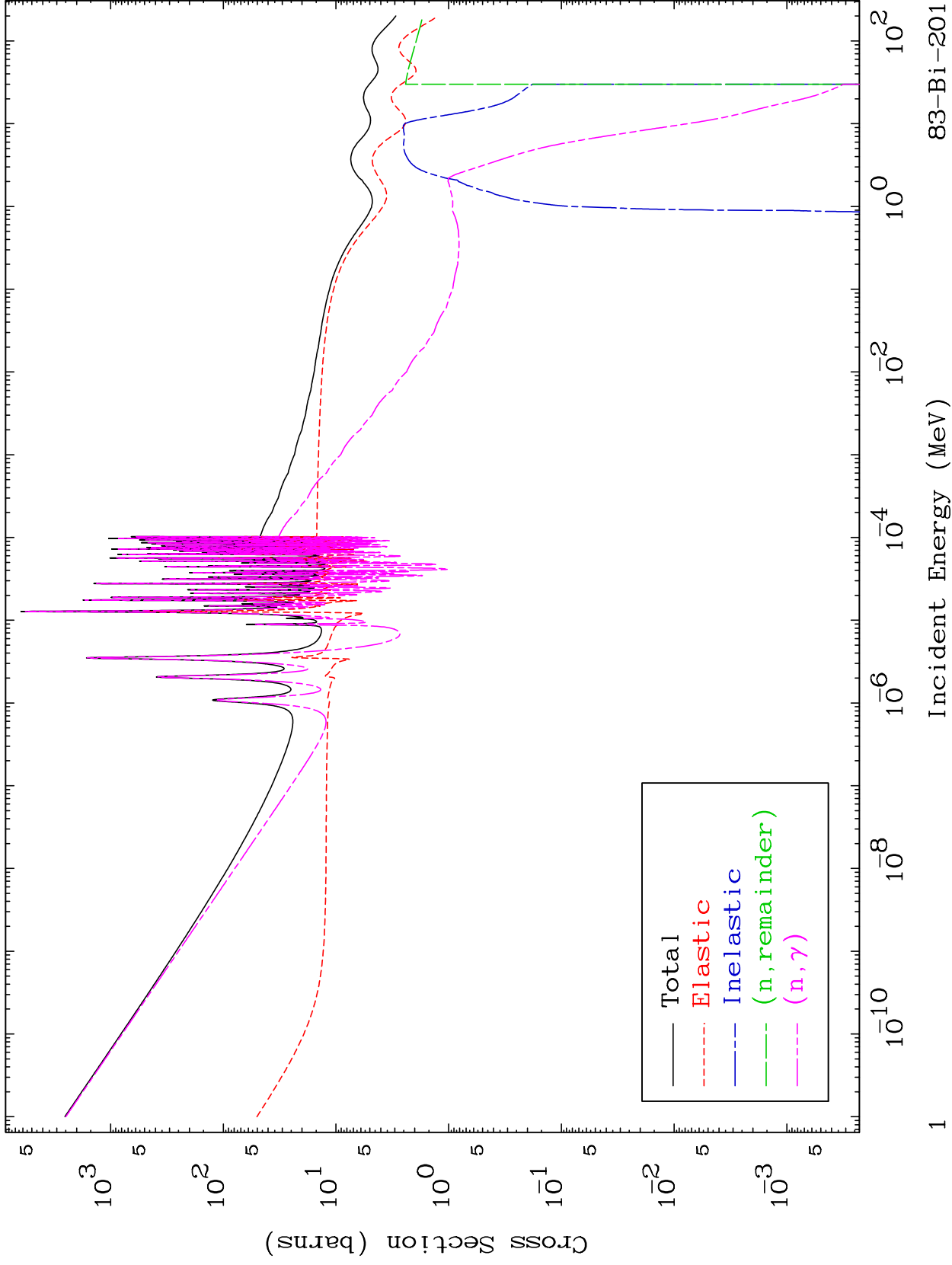
Press Mouse Button to Start

MAT 8301

Major

293 Kelvin Cross Sections

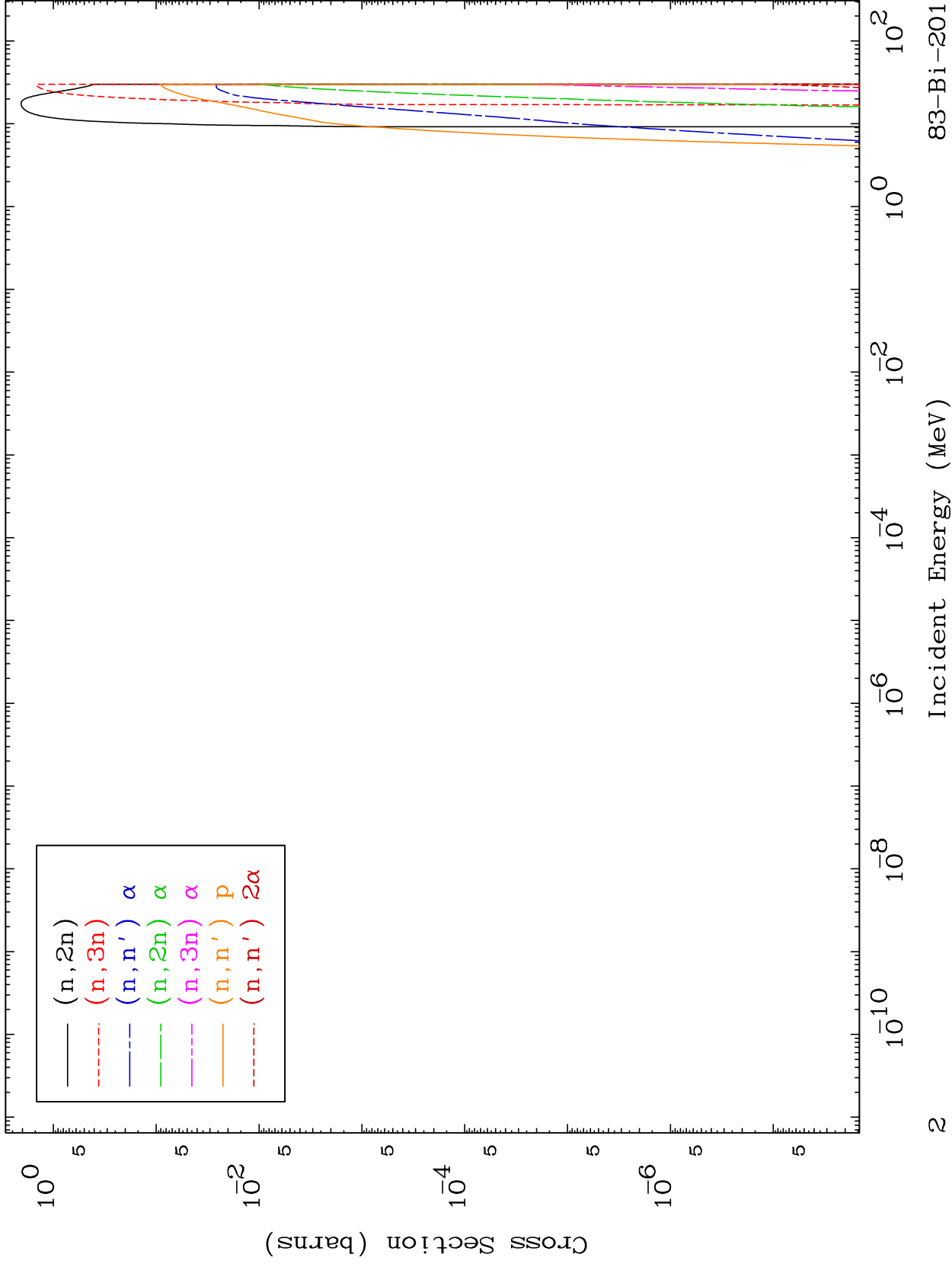
83-Bi-201



MAT 8301

Neutron Production
293 Kelvin Cross Sections

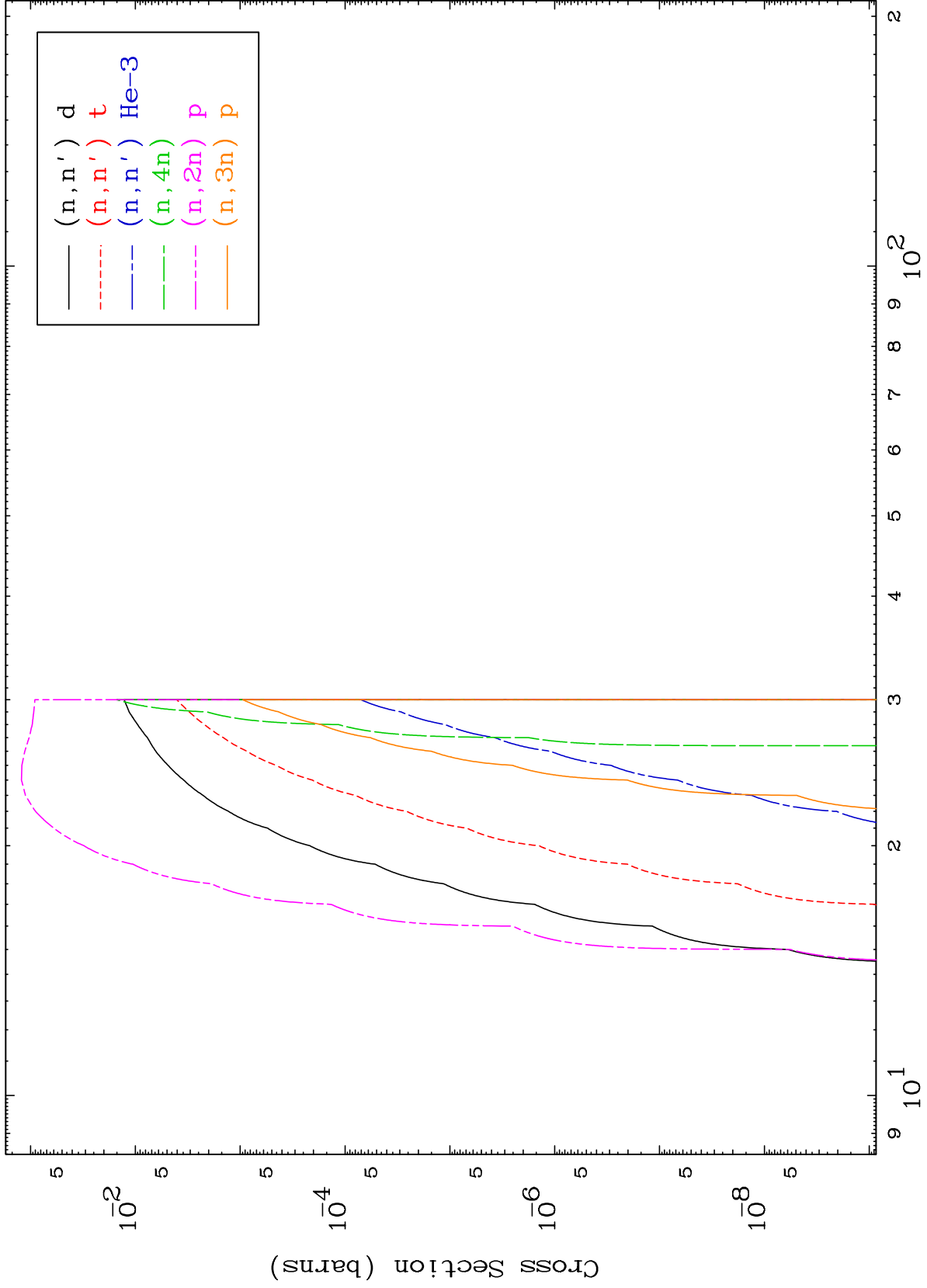
83-Bi-201



MAT 8301

Neutron Production
293 Kelvin Cross Sections

83-Bi-201



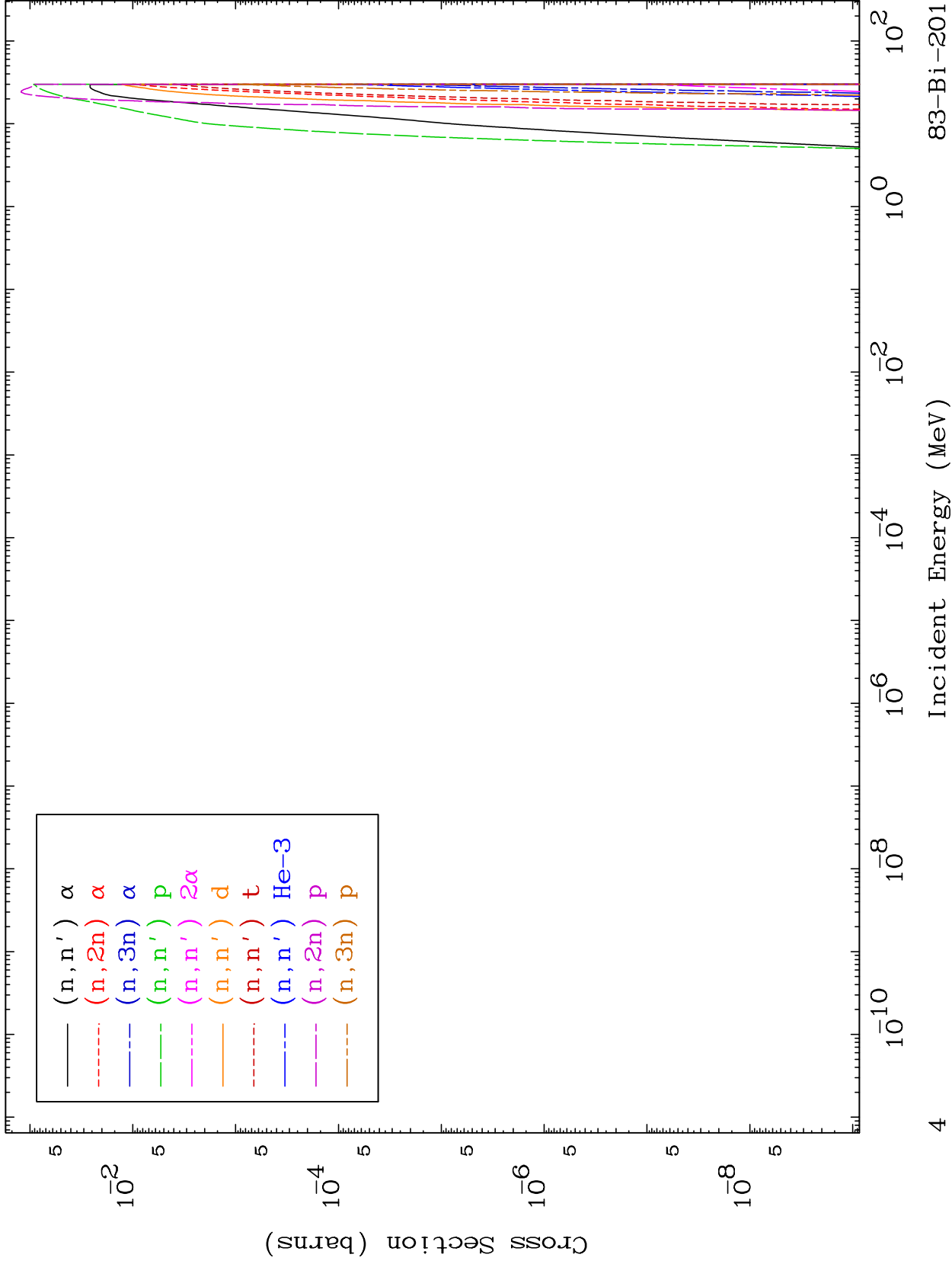
Incident Energy (MeV)

83-Bi-201

MAT 8301

Charged Particle
293 Kelvin Cross Sections

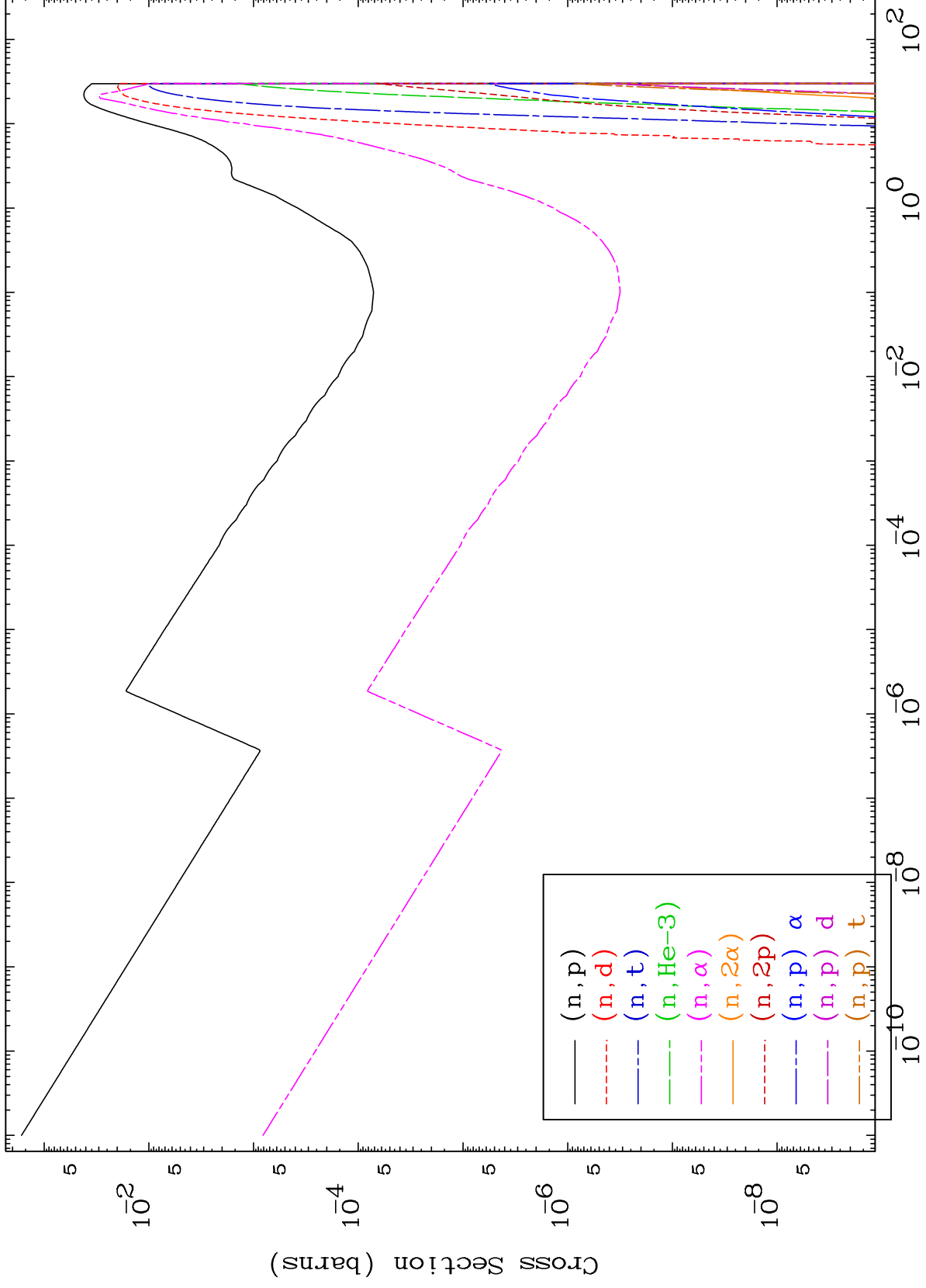
83-Bi-201



MAT 8301

Charged Particle
293 Kelvin Cross Sections

83-Bi-201

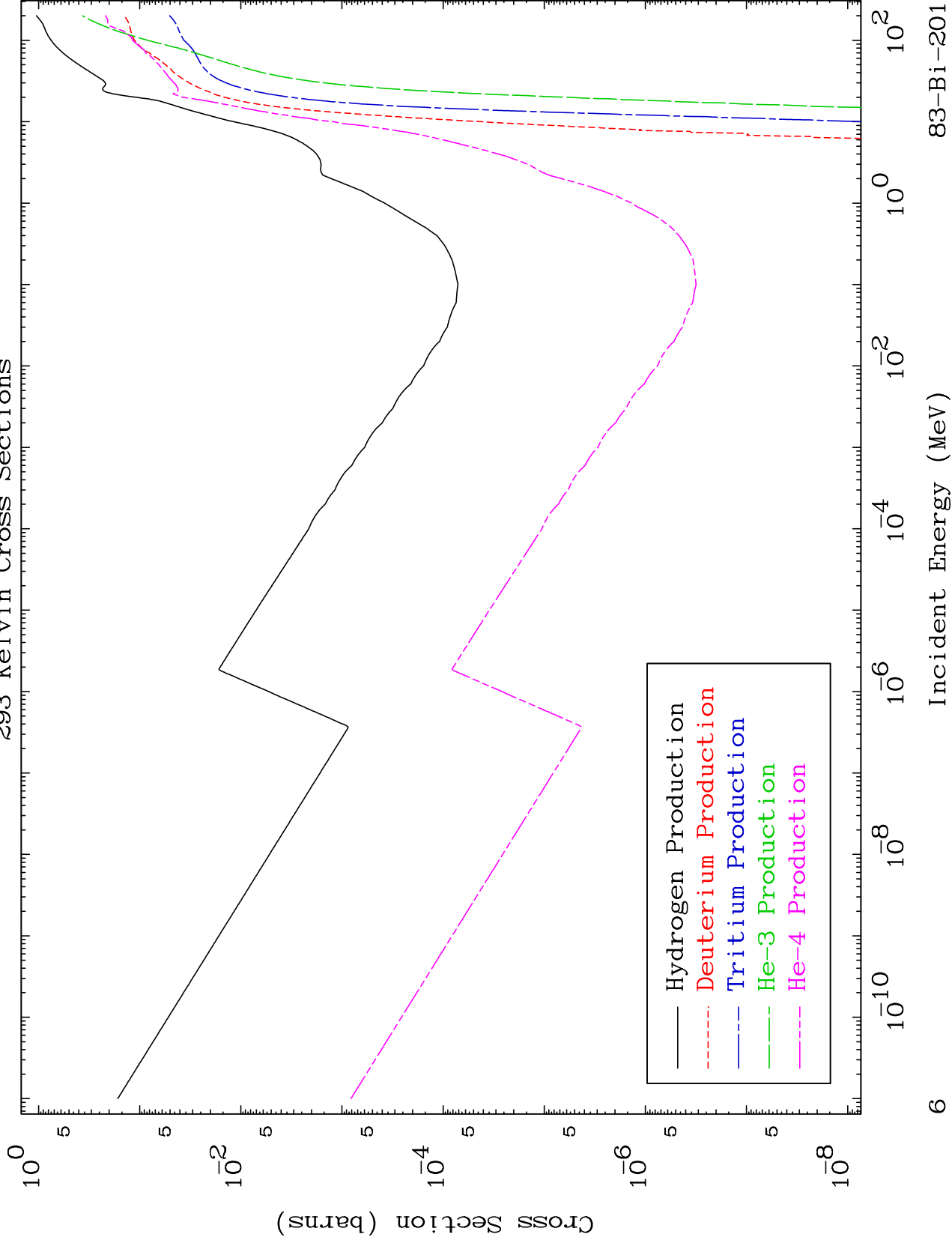


5

MAT 8301

Particle Production
293 Kelvin Cross Sections

83-Bi-201

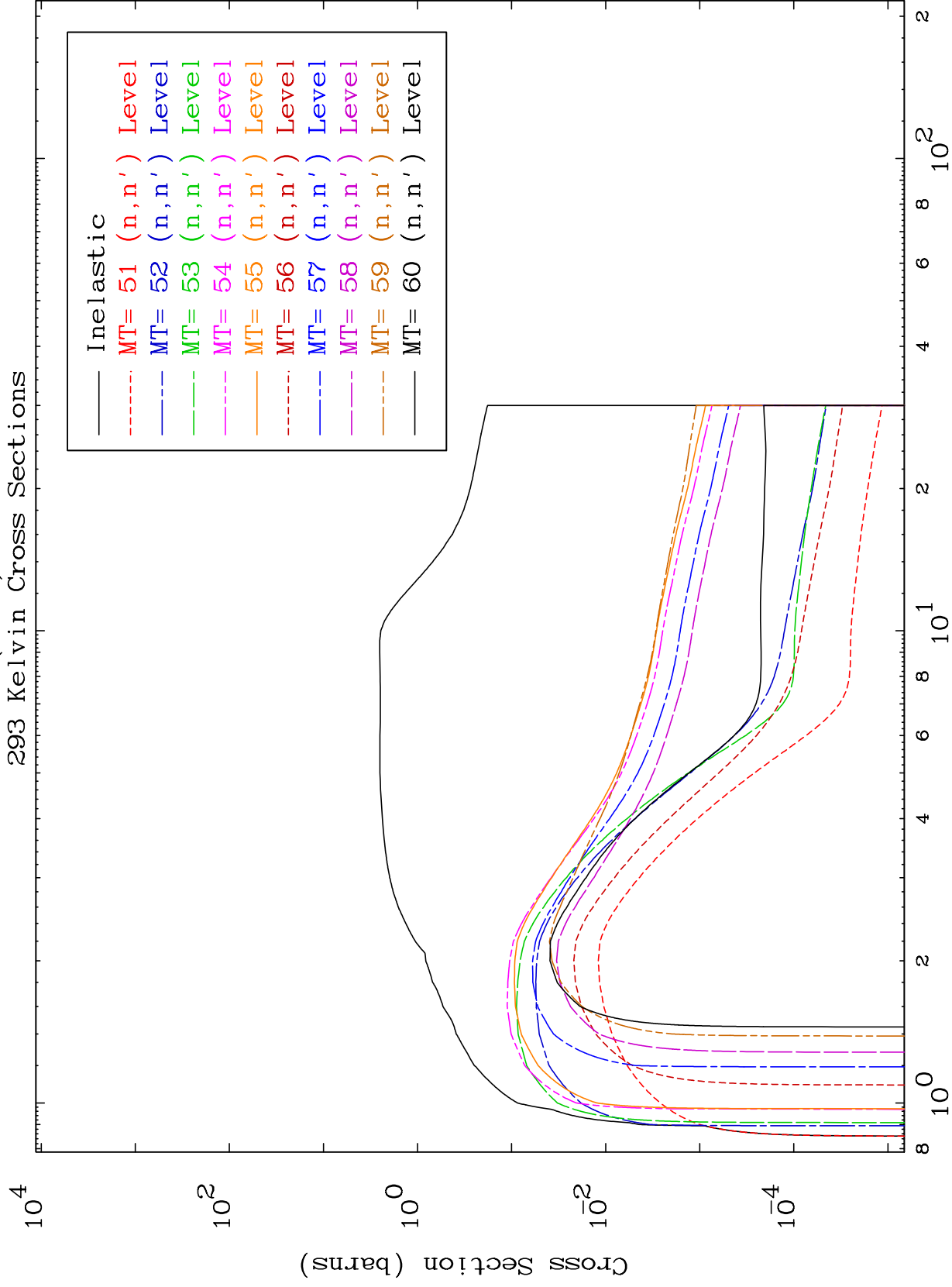


MAT 8301

(n,n') Level

83-Bi-201

293 Kelvin Cross Sections



Incident Energy (MeV)

83-Bi-201

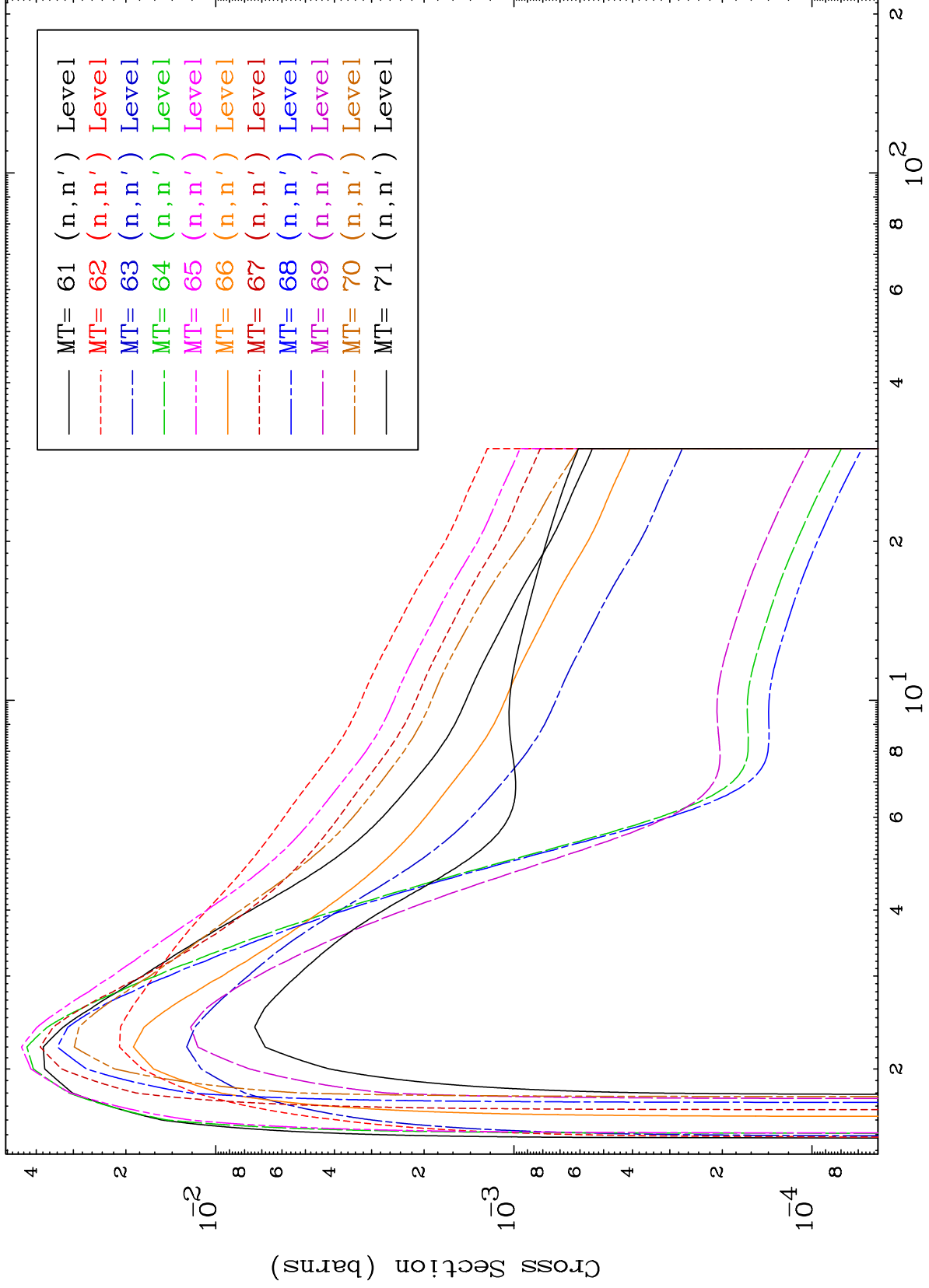
7

MAT 8301

(n,n') Level

83-Bi-201

293 Kelvin Cross Sections



8

Incident Energy (MeV)

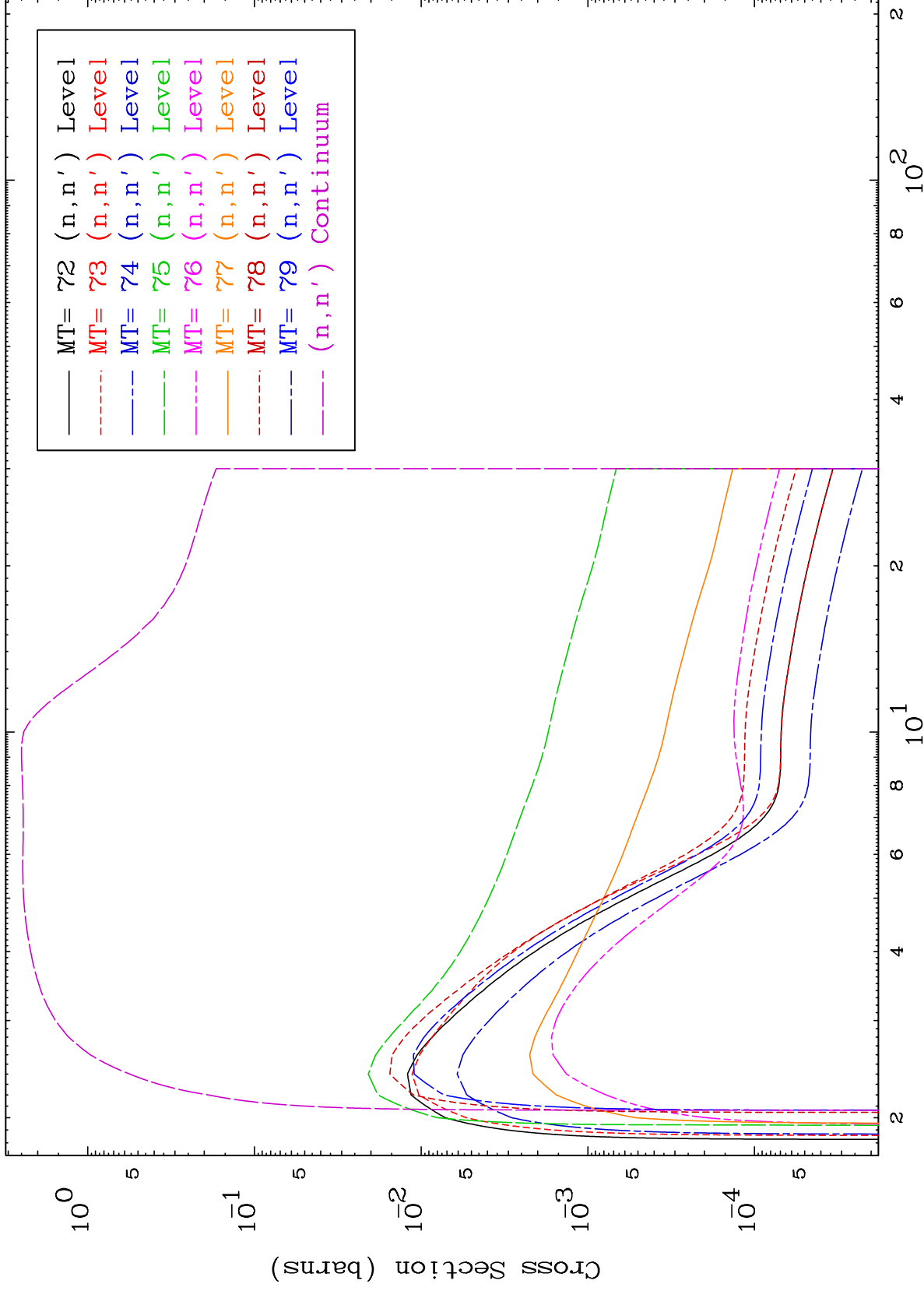
83-Bi-201

MAT 8301

(n,n') Level

83-Bi-201

293 Kelvin Cross Sections



9

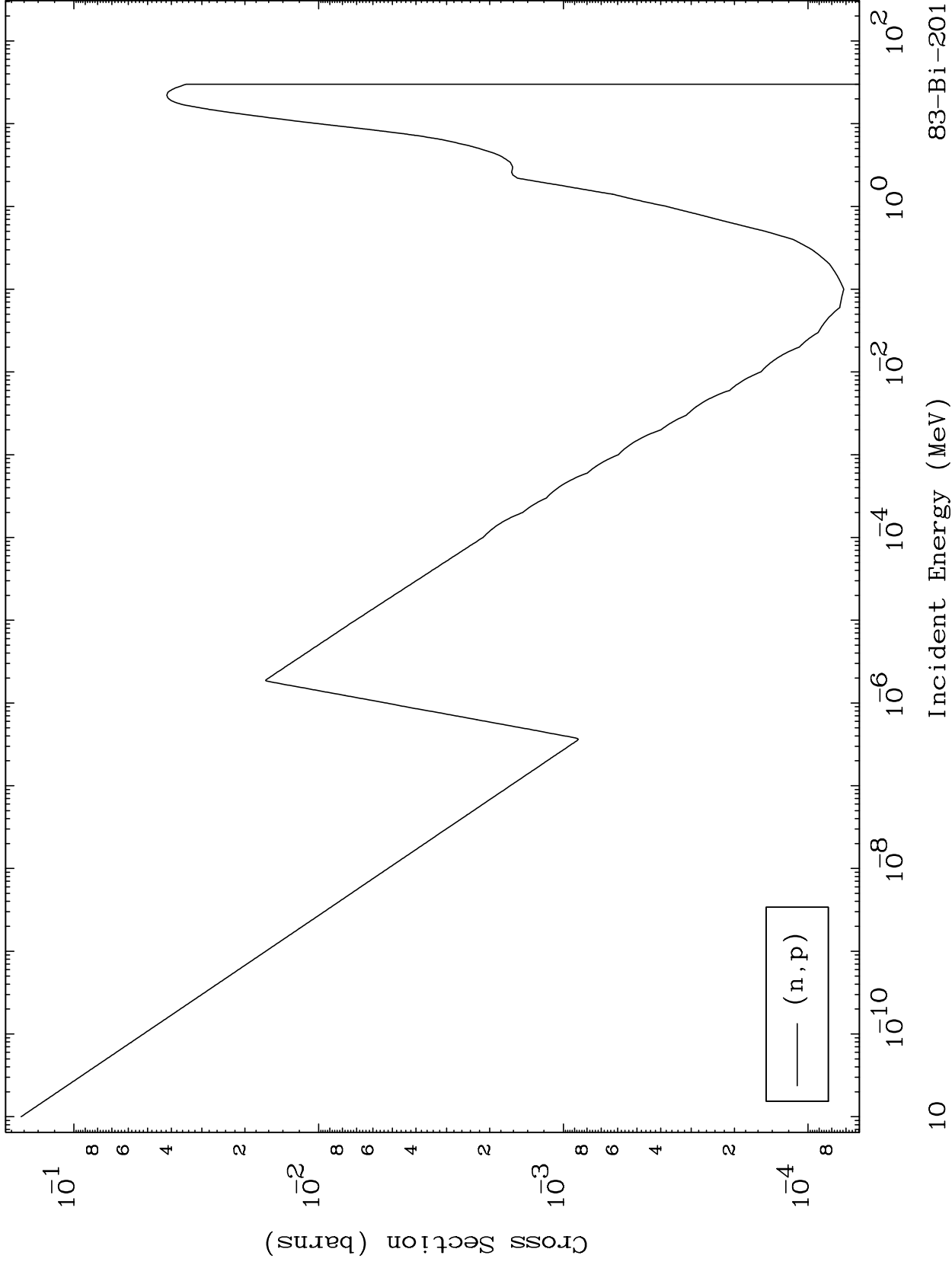
Incident Energy (MeV)

83-Bi-201

MAT 8301

(n,p) Levels
293 Kelvin Cross Sections

83-Bi-201

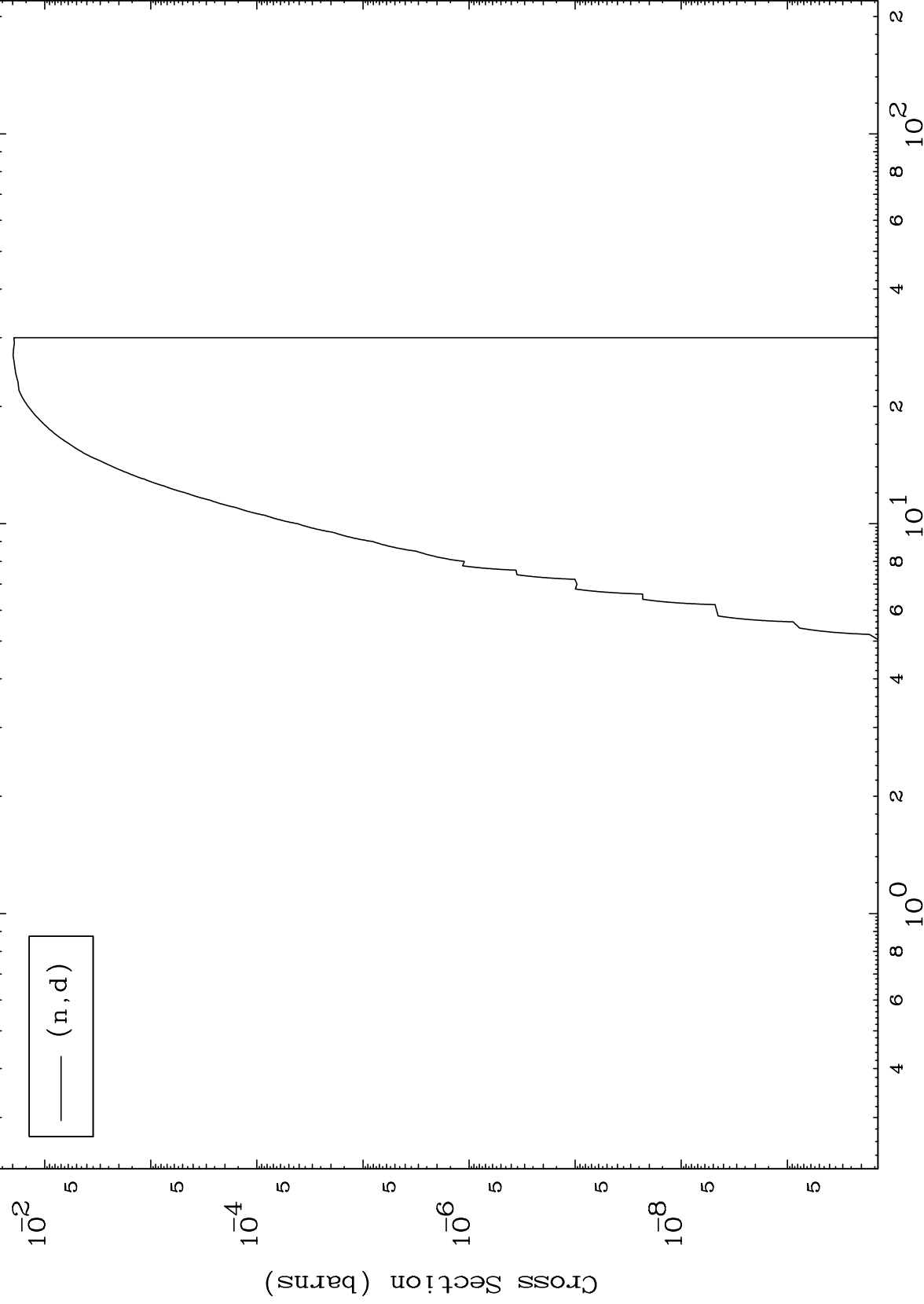


10

MAT 8301

(n,d) Levels
293 Kelvin Cross Sections

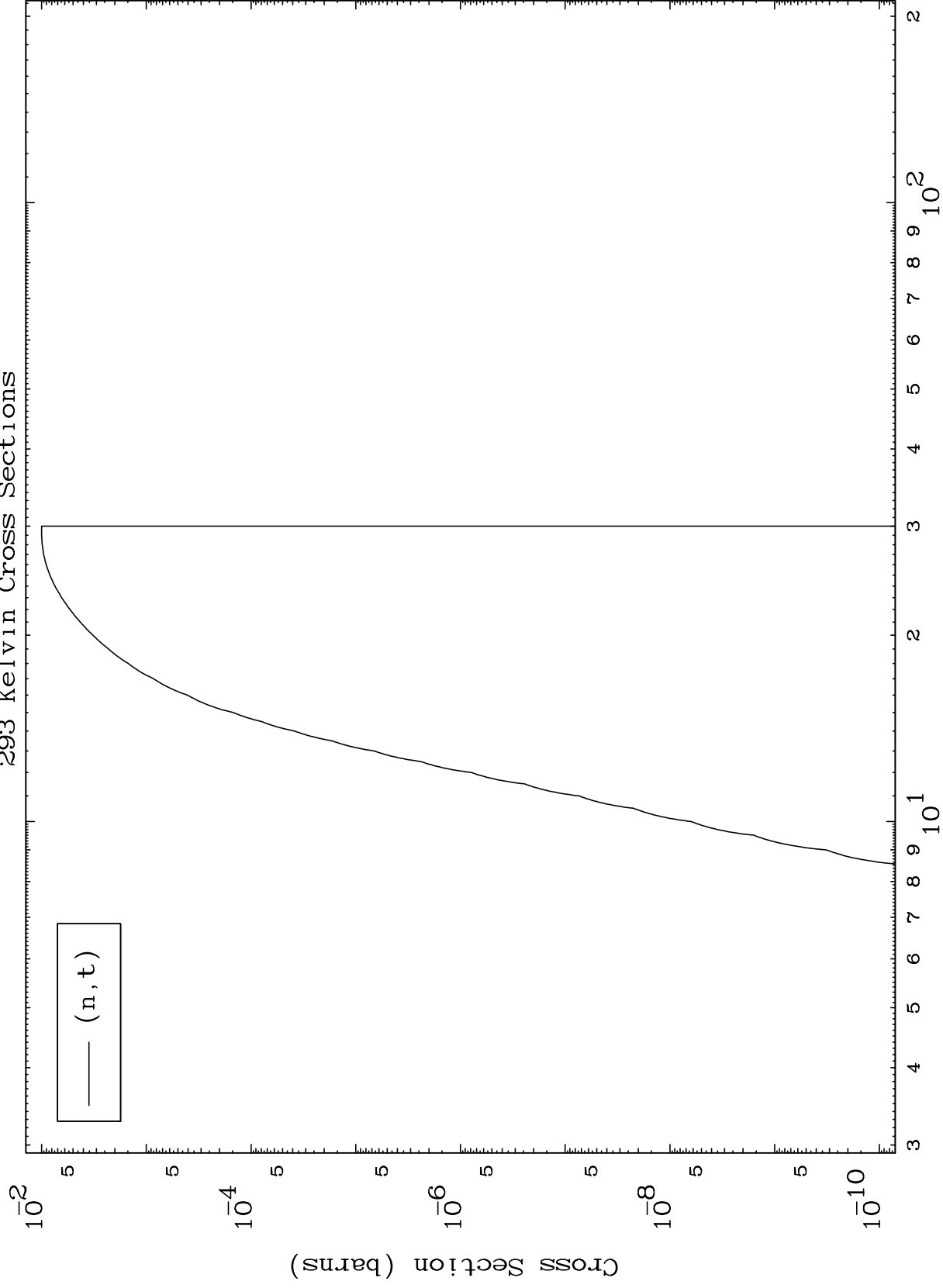
83-Bi-201



MAT 8301

83-Bi-201

(n,t) Levels
293 Kelvin Cross Sections



83-Bi-201

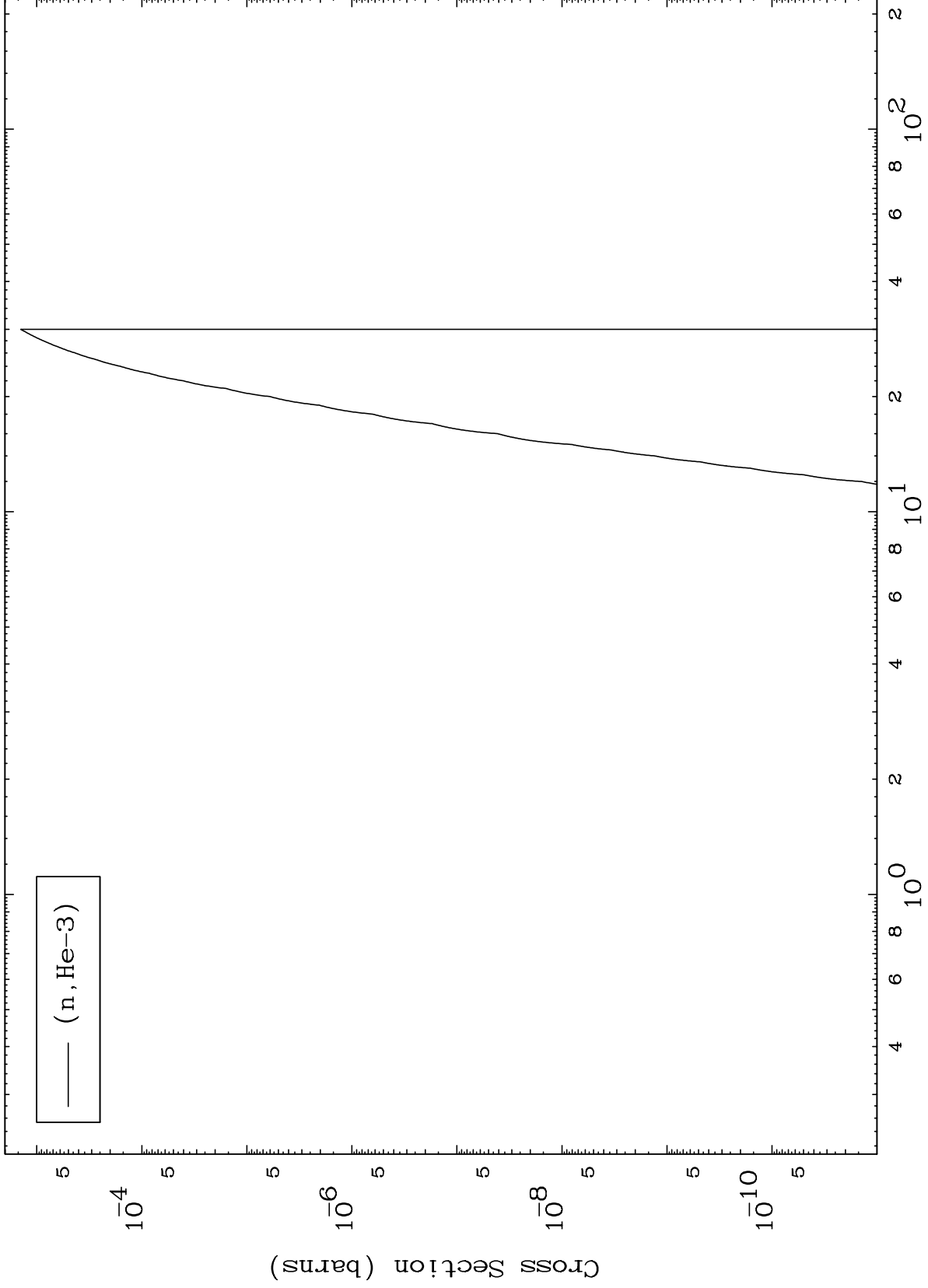
Incident Energy (MeV)

12

MAT 8301

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-201



13

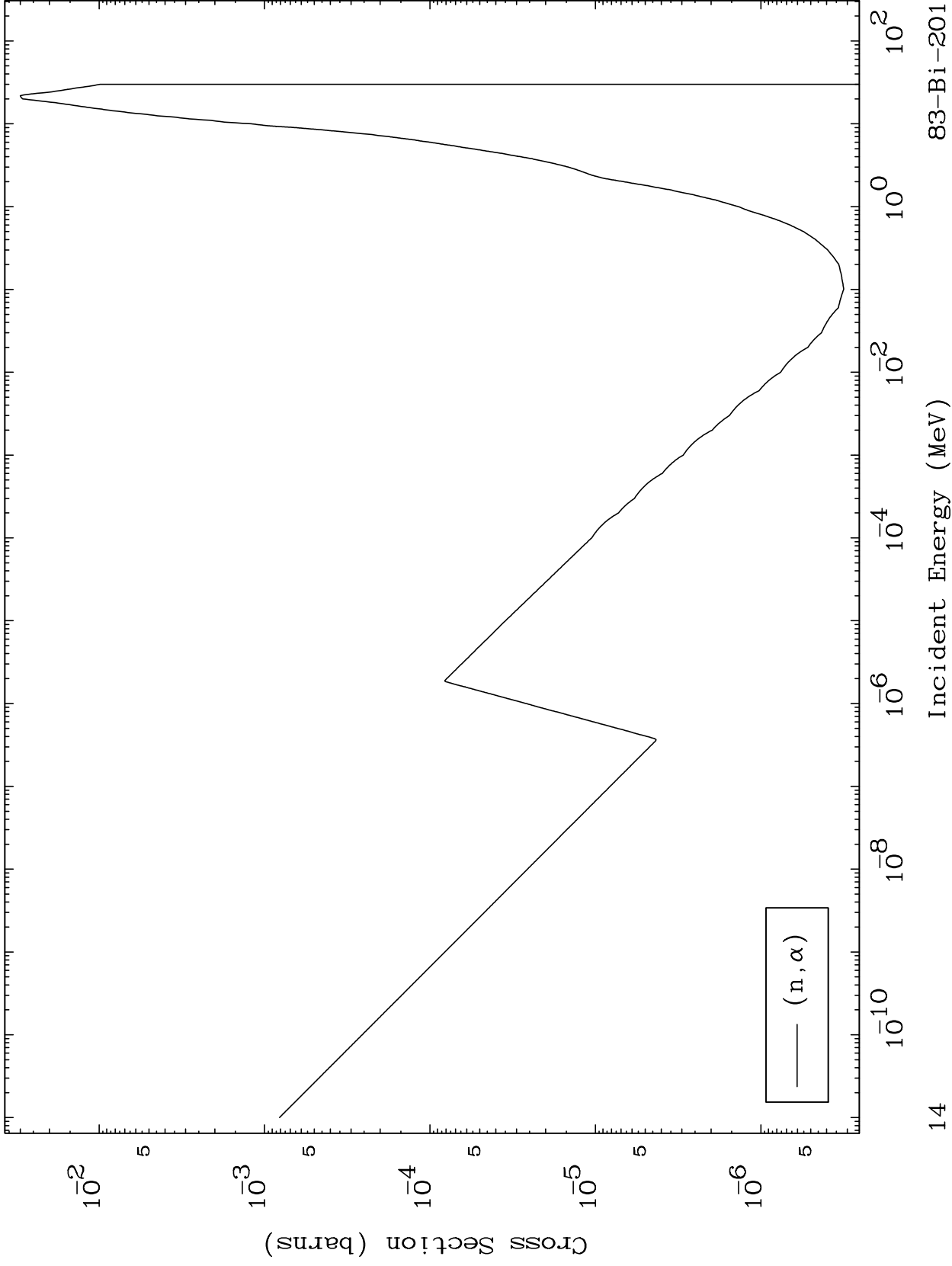
Incident Energy (MeV)

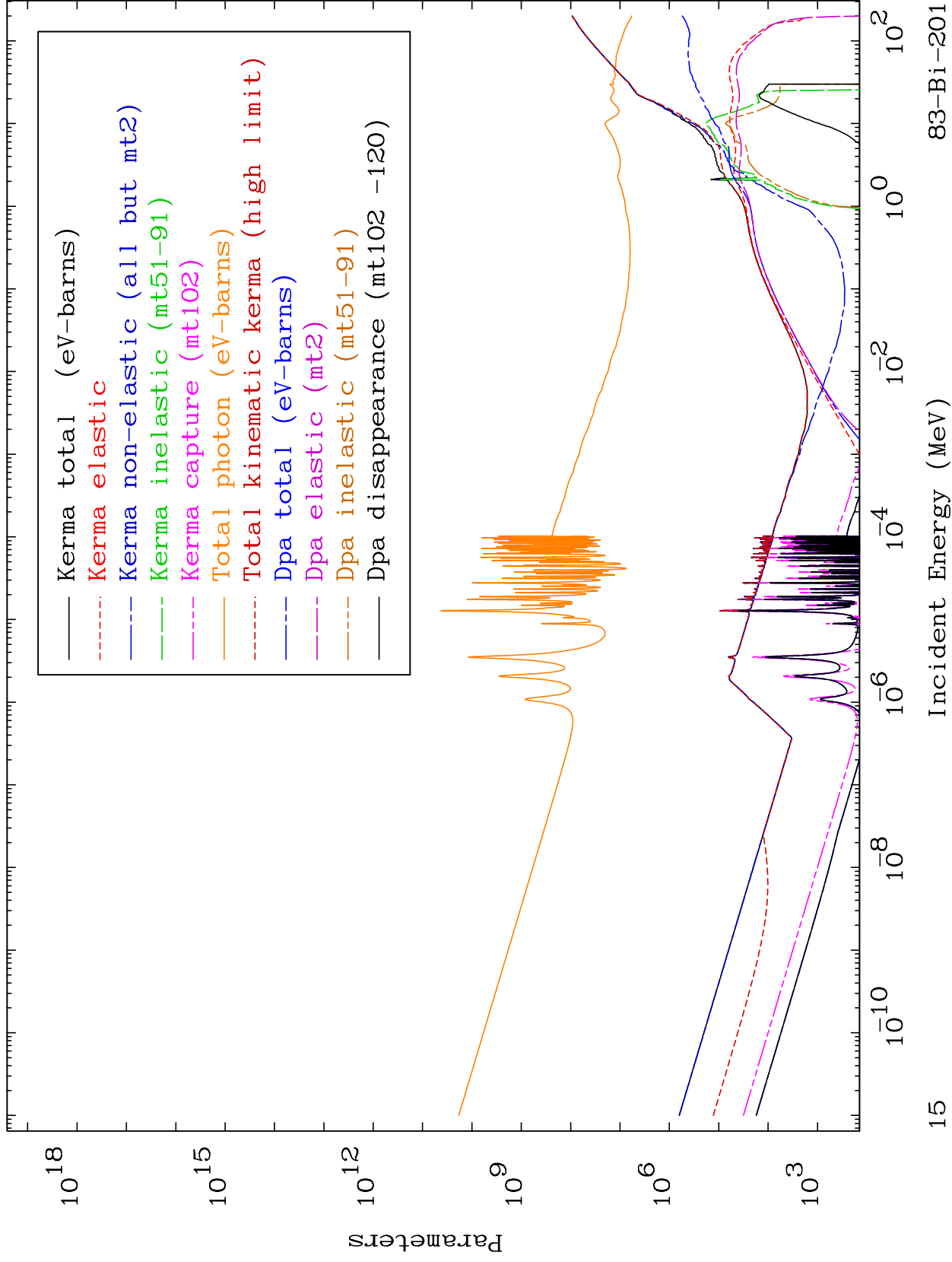
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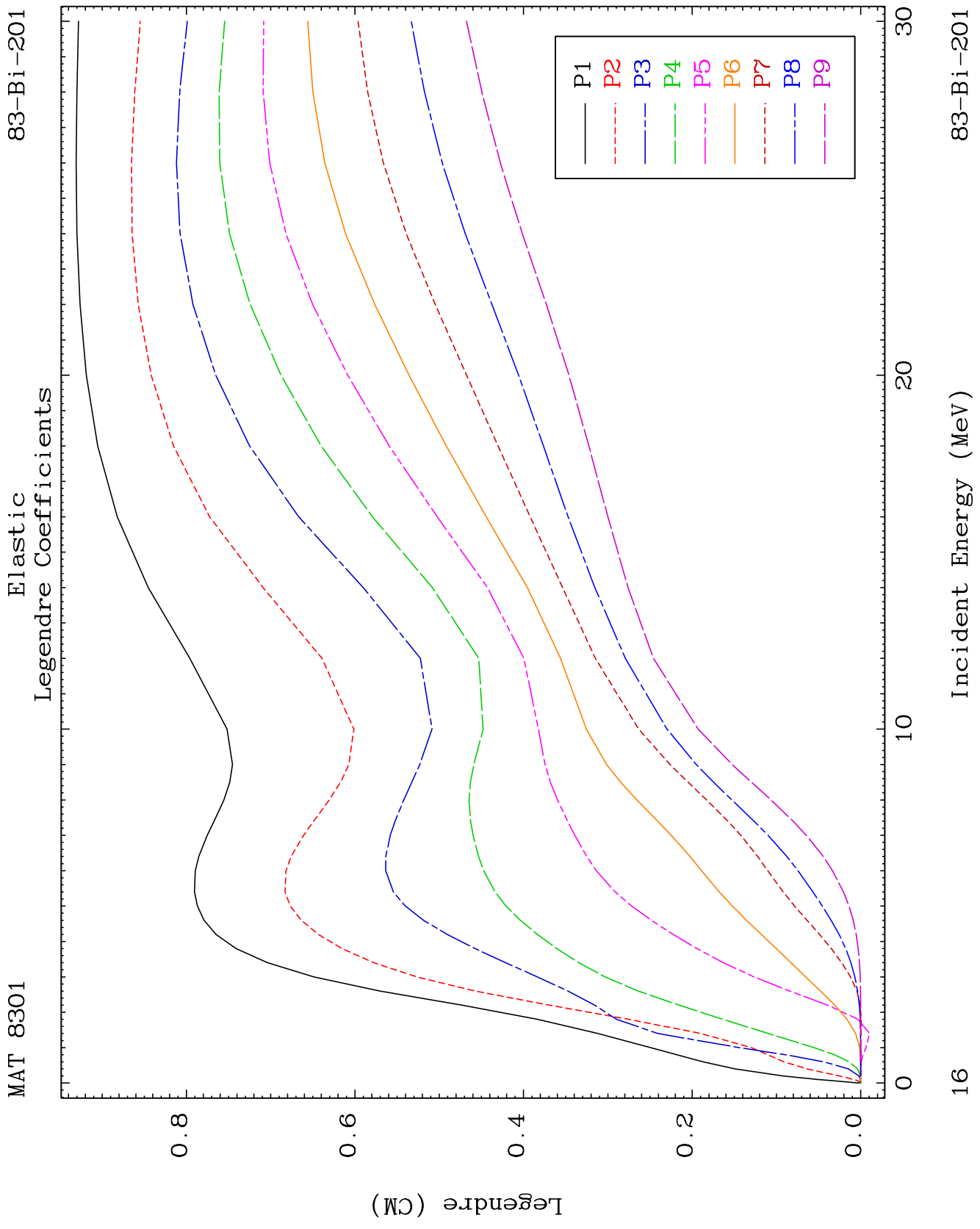
MAT 8301

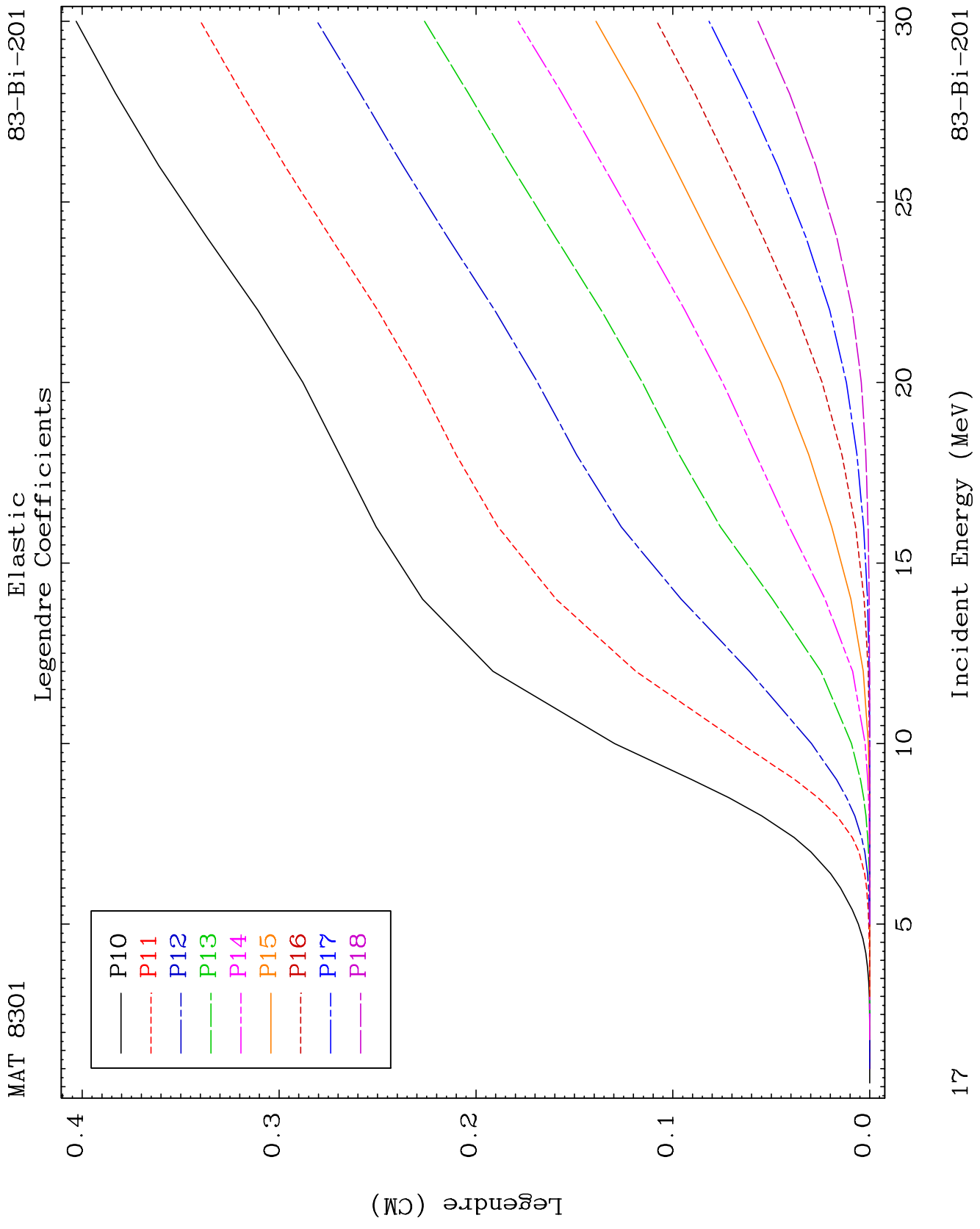
(n,α) Levels
293 Kelvin Cross Sections

83-Bi-201





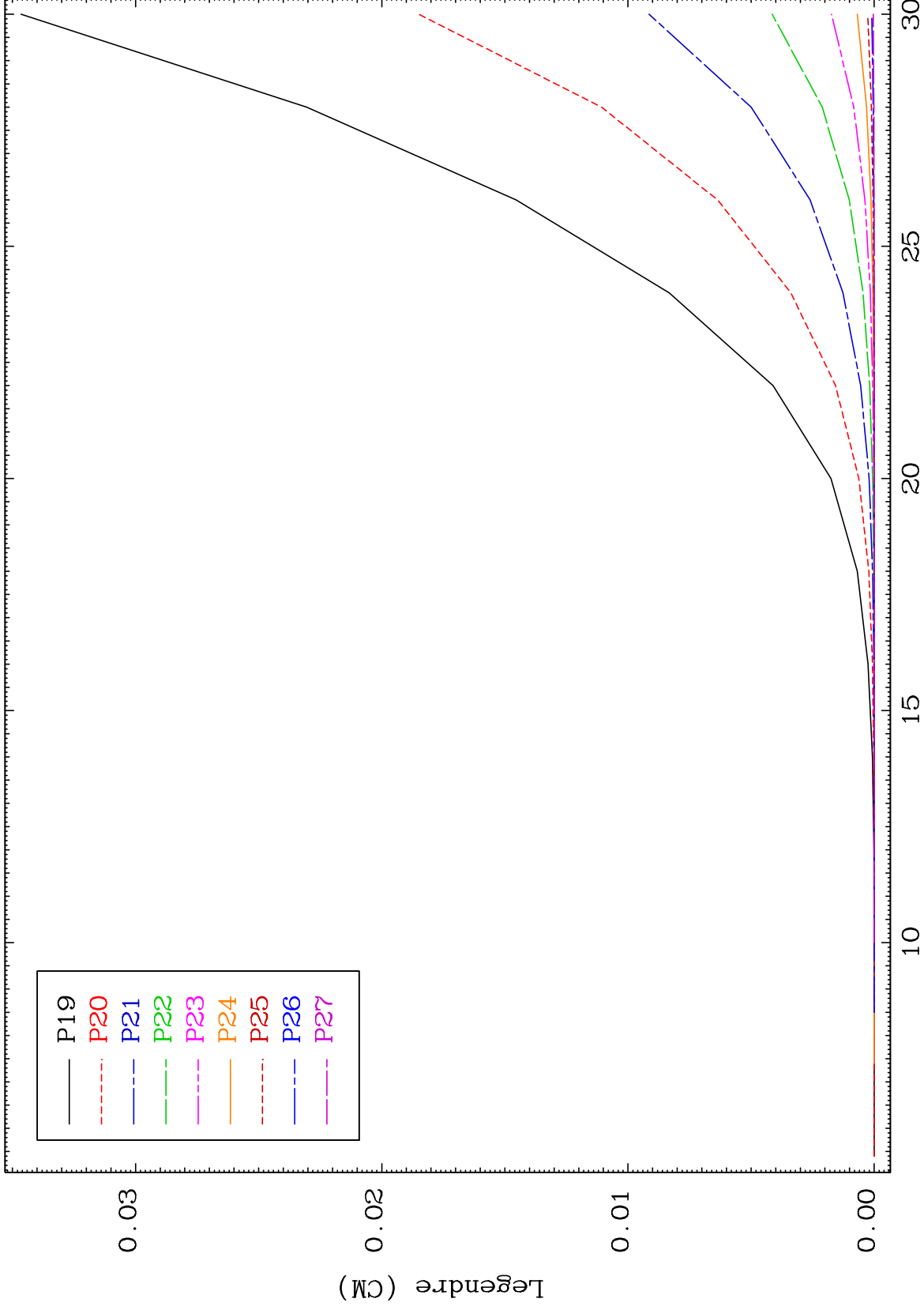




MAT 8301

Elastic
Legendre Coefficients

83-Bi-201



18

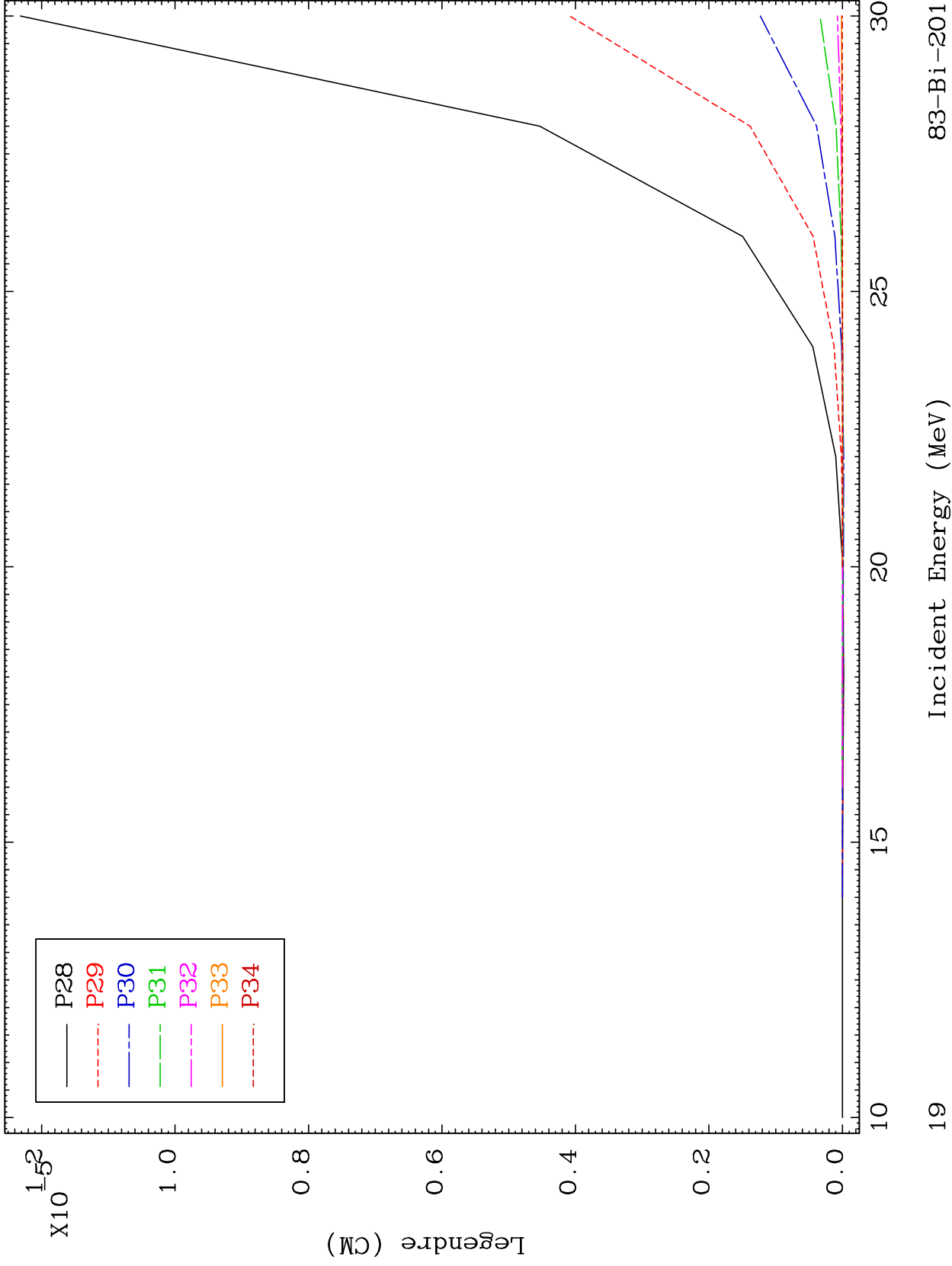
Incident Energy (MeV)

83-Bi-201

MAT 8301

Elastic Legendre Coefficients

83-Bi-201



83-Bi-201

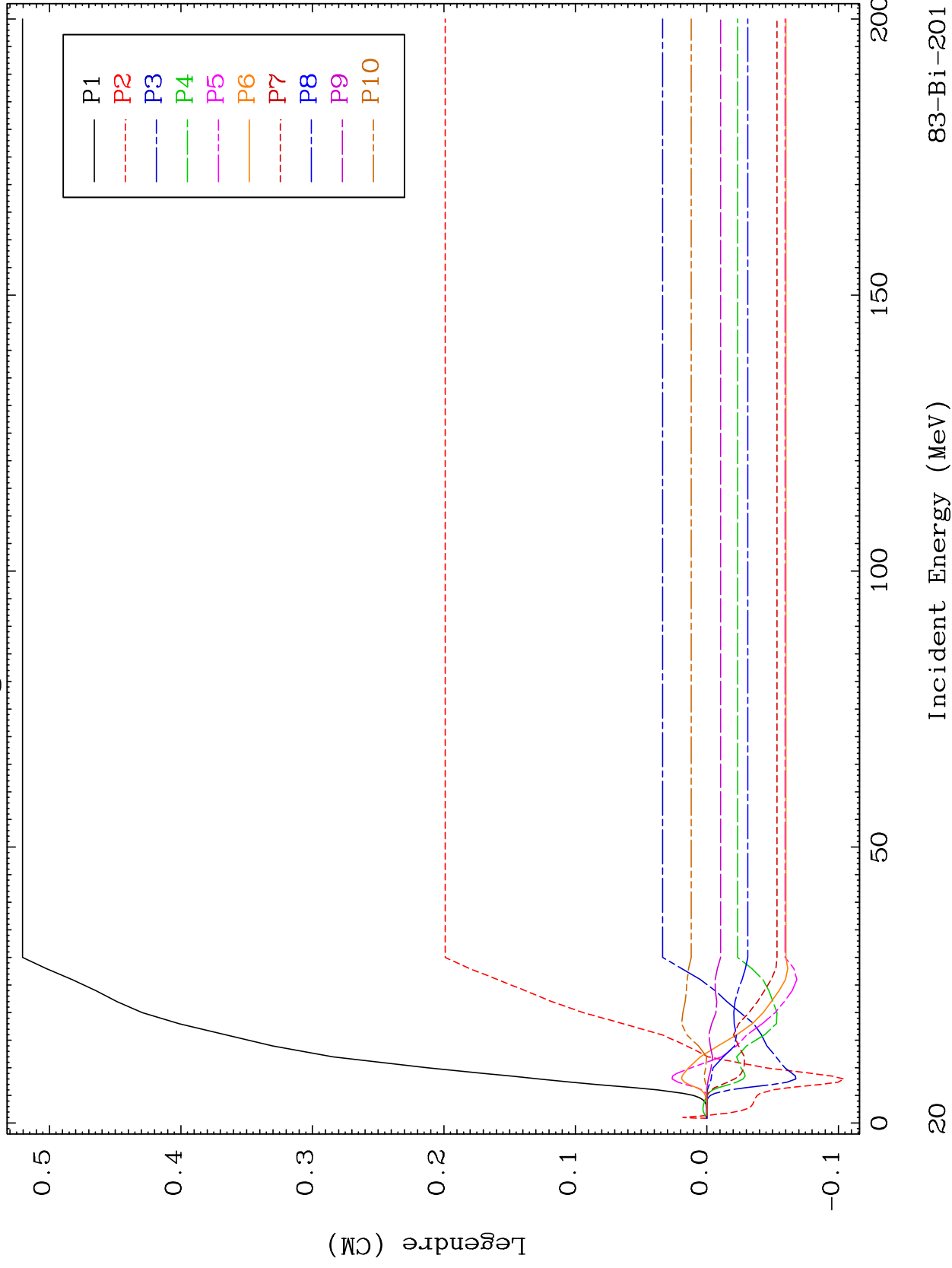
Incident Energy (MeV)

19

MAT 8301

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

83-Bi-201



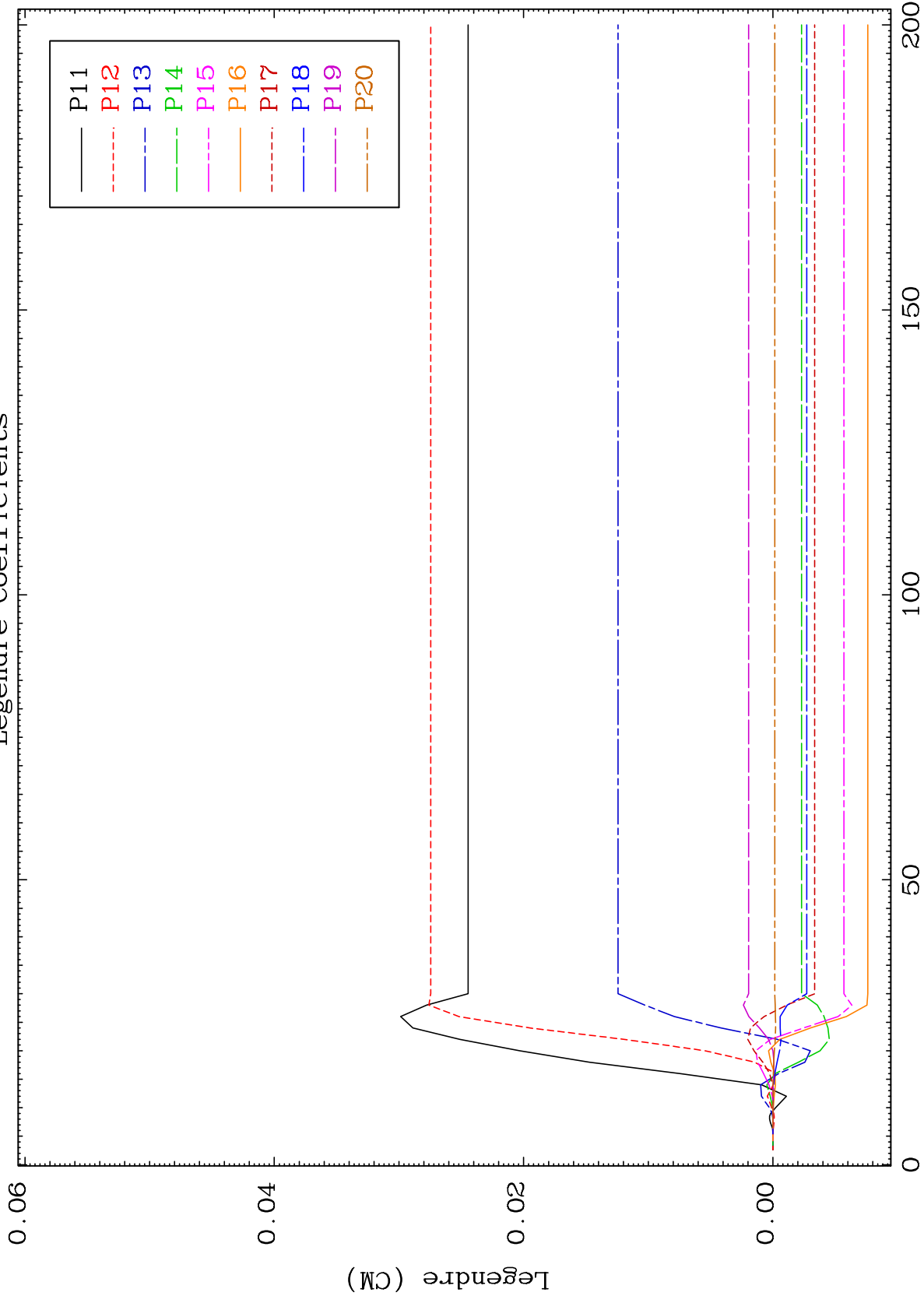
83-Bi-201

Incident Energy (MeV)

MAT 8301

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

83-Bi-201



21

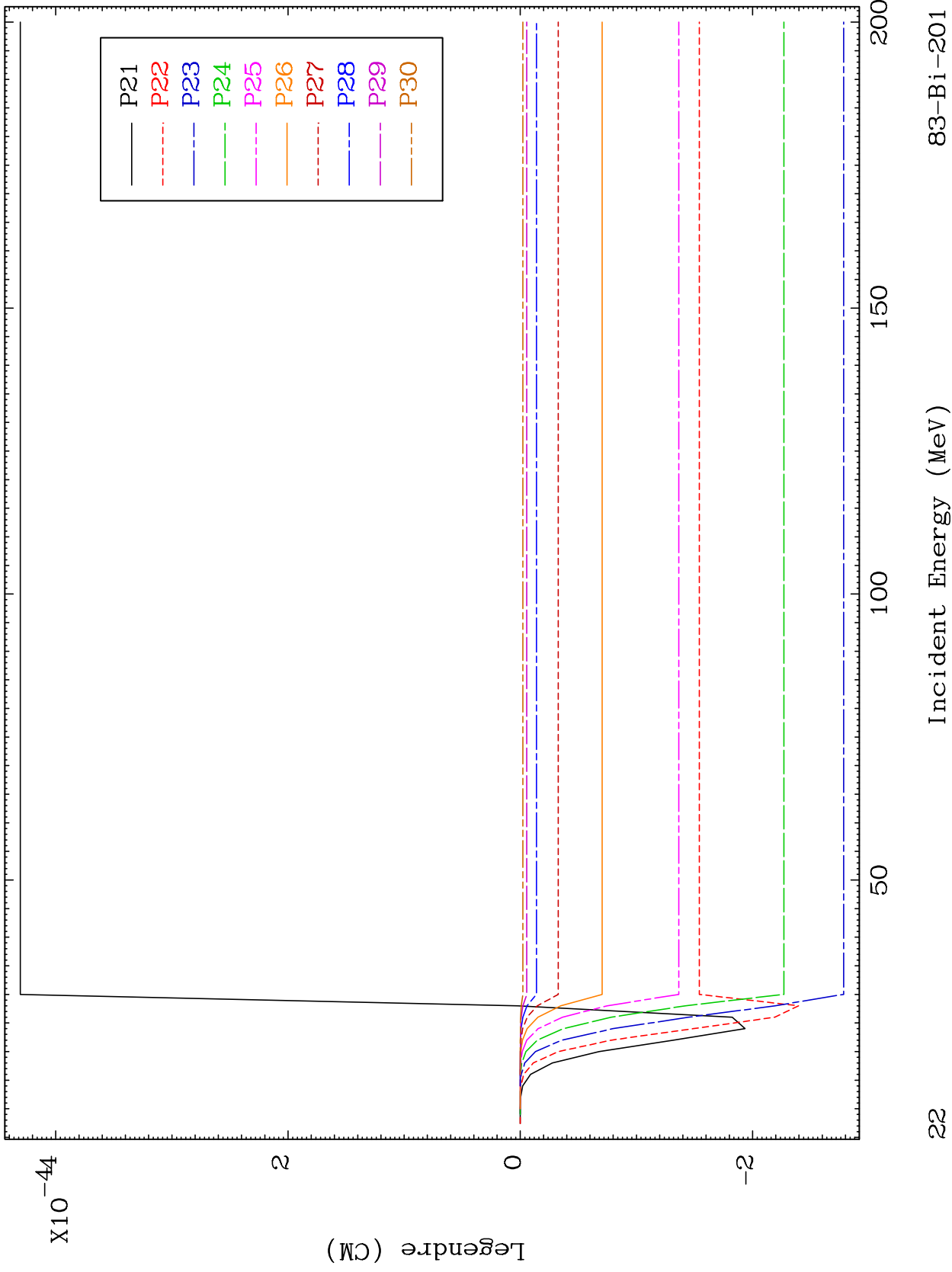
Incident Energy (MeV)

83-Bi-201

MAT 8301

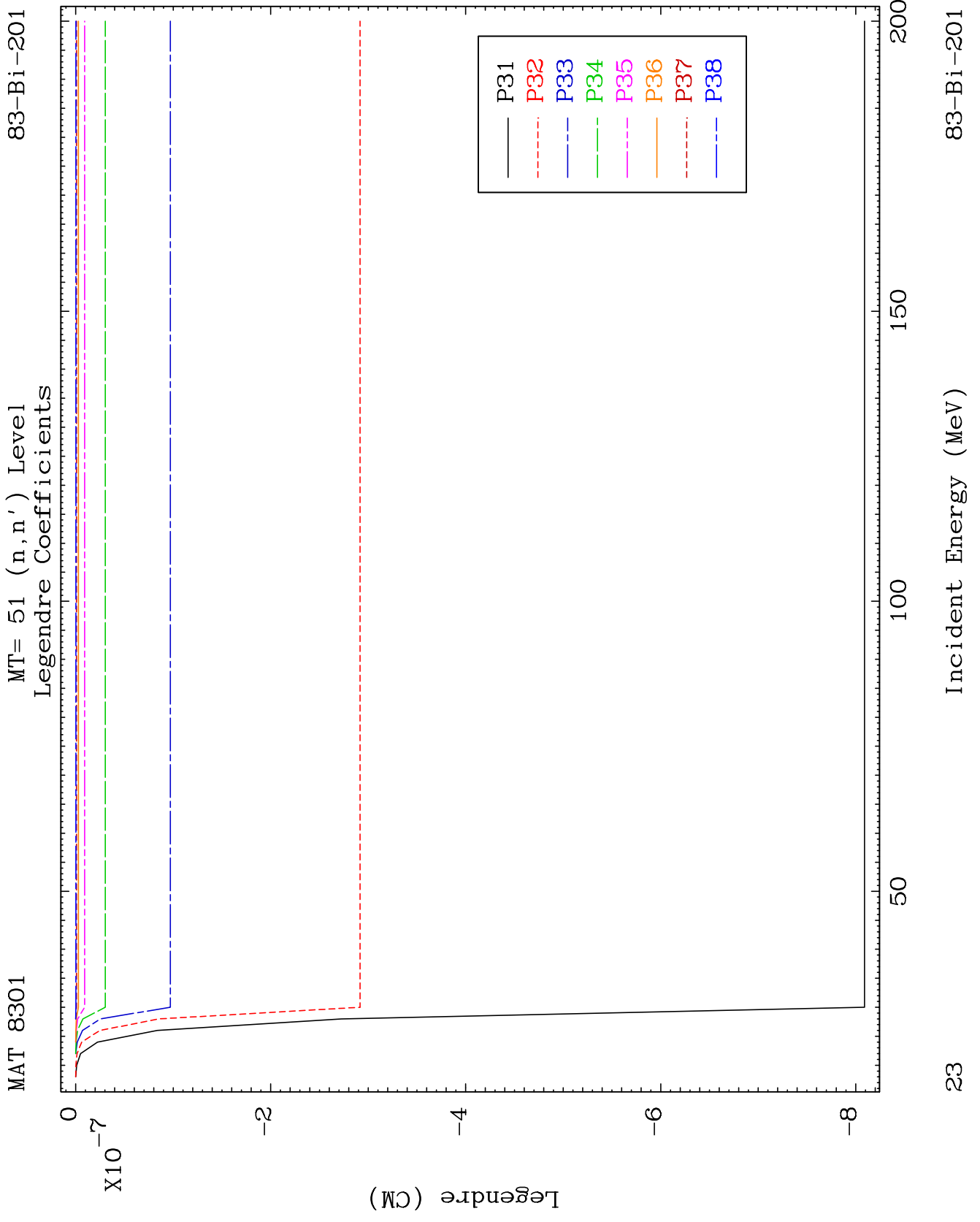
MT= 51 (n,n') Level
Legendre Coefficients

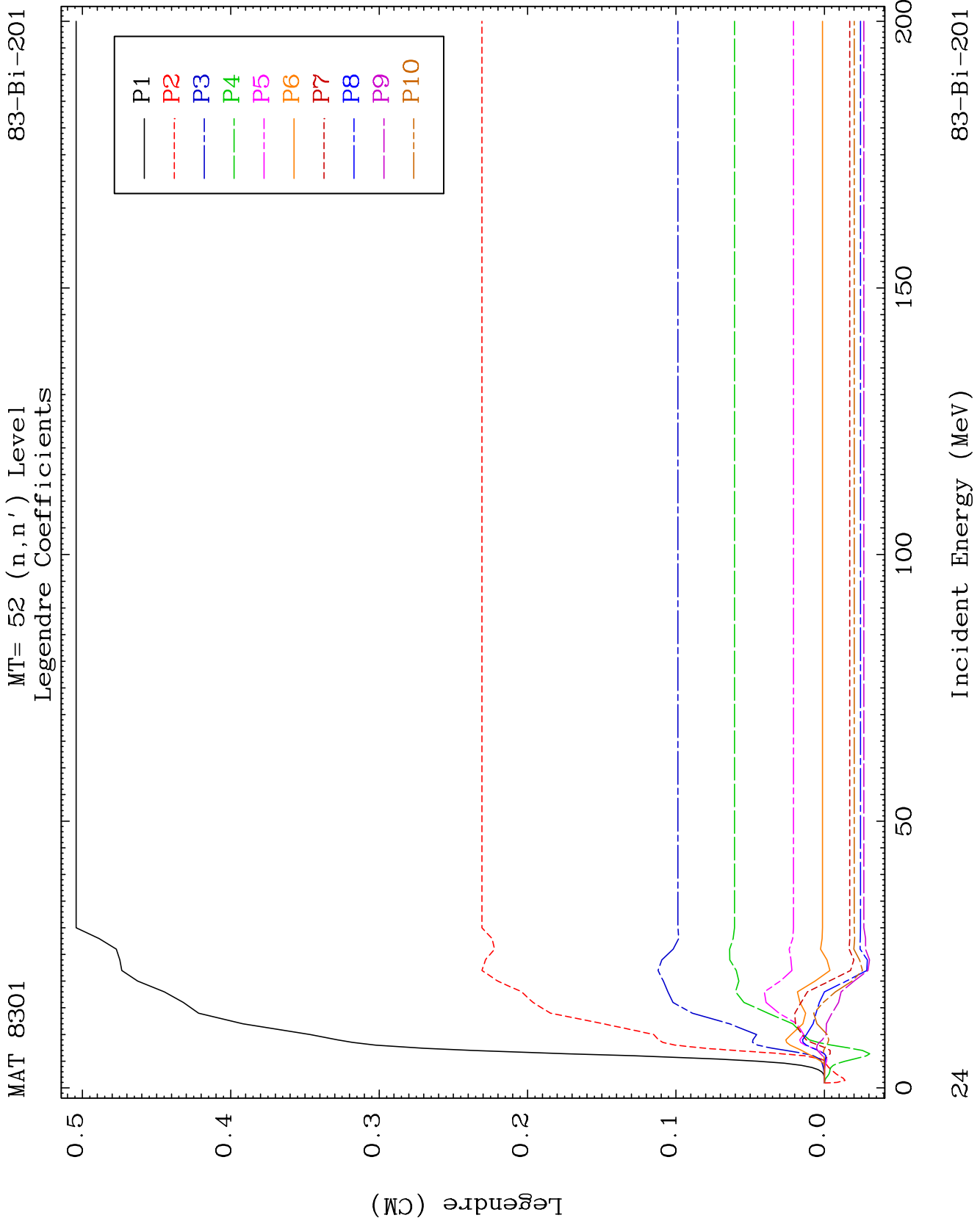
83-Bi-201



22

83-Bi-201

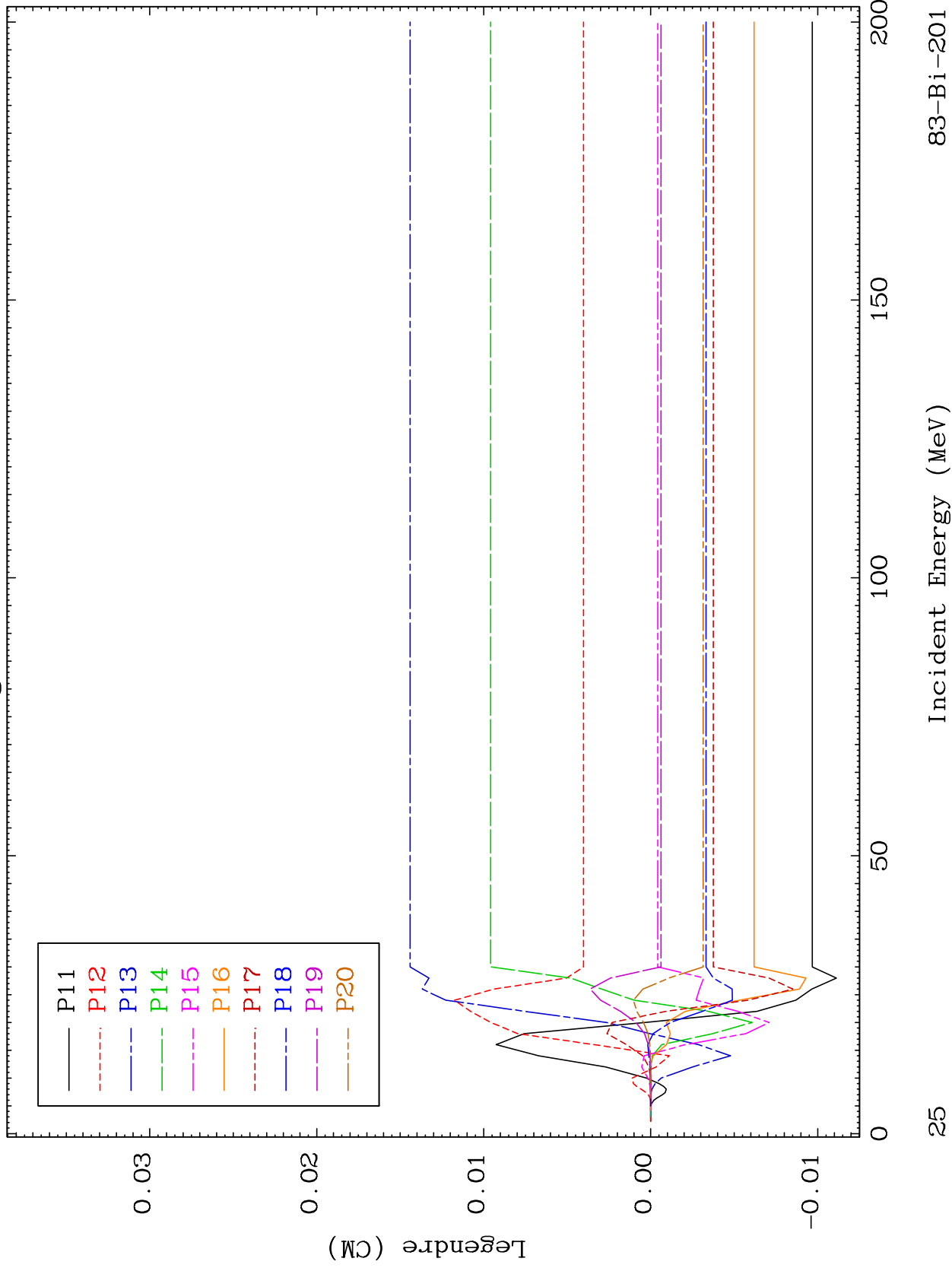




MAT 8301

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

83-Bi-201



83-Bi-201

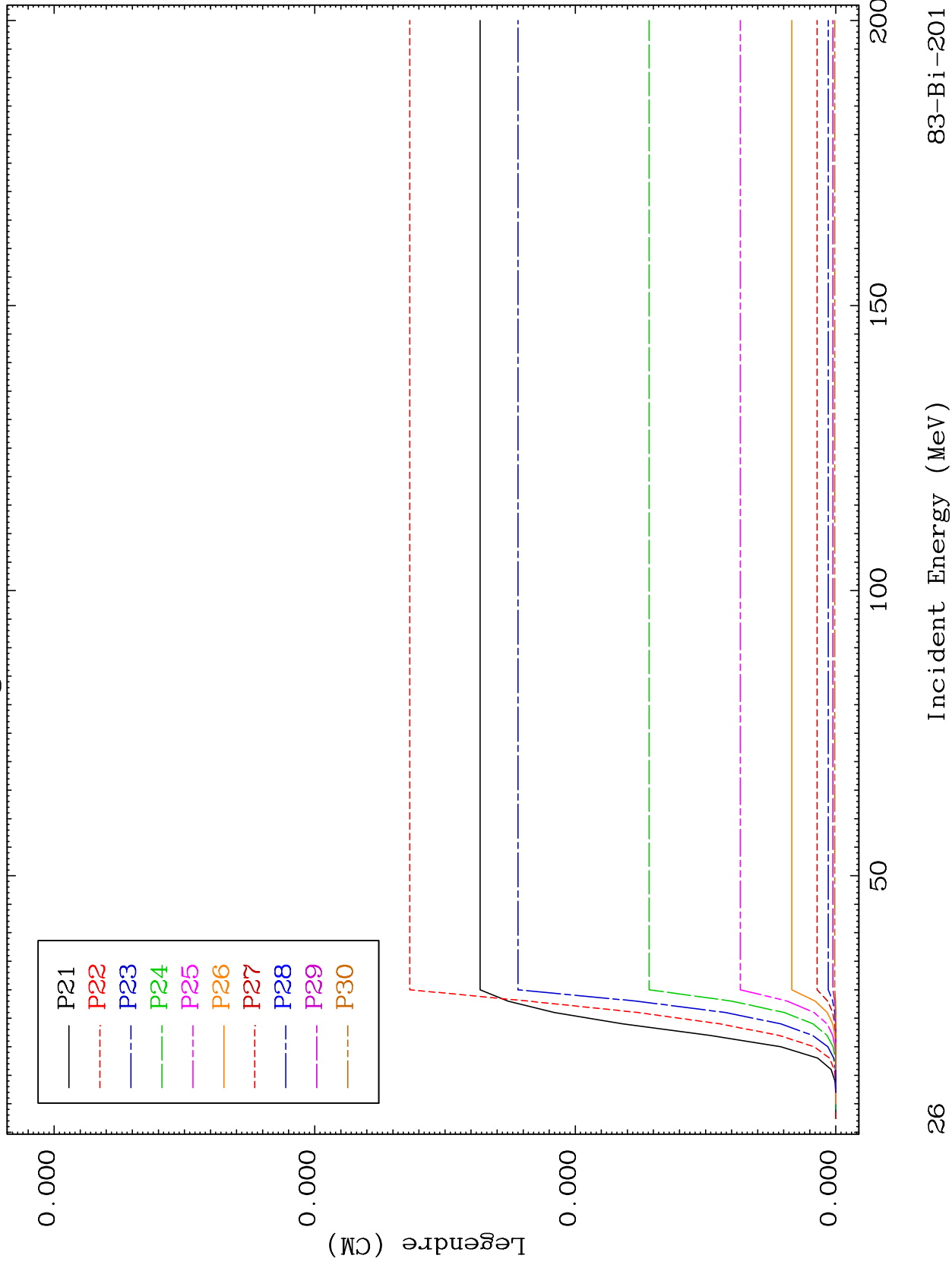
Incident Energy (MeV)

25

MAT 8301

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

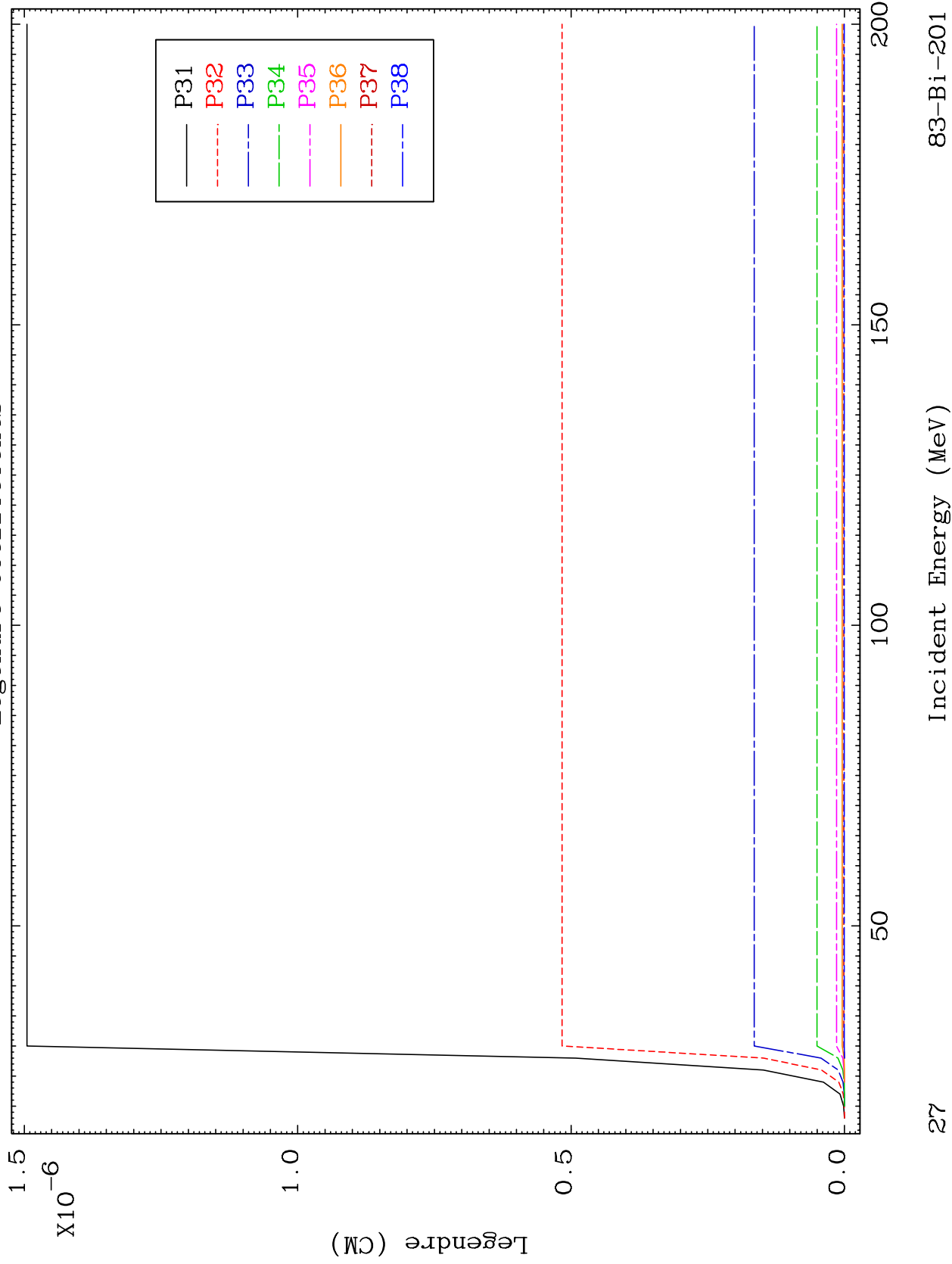
83-Bi-201



26

Incident Energy (MeV)

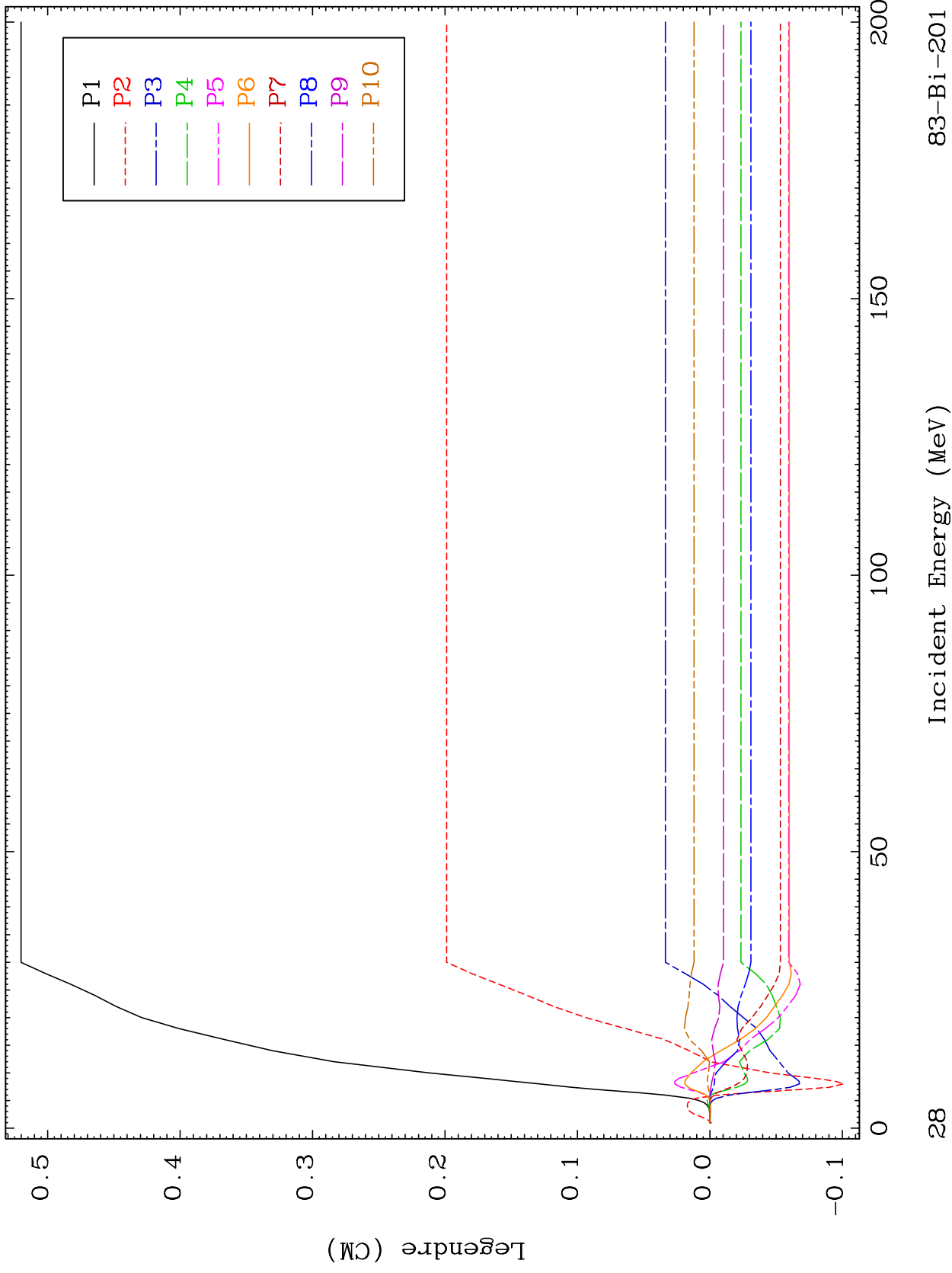
83-Bi-201



MAT 8301

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

83-Bi-201



83-Bi-201

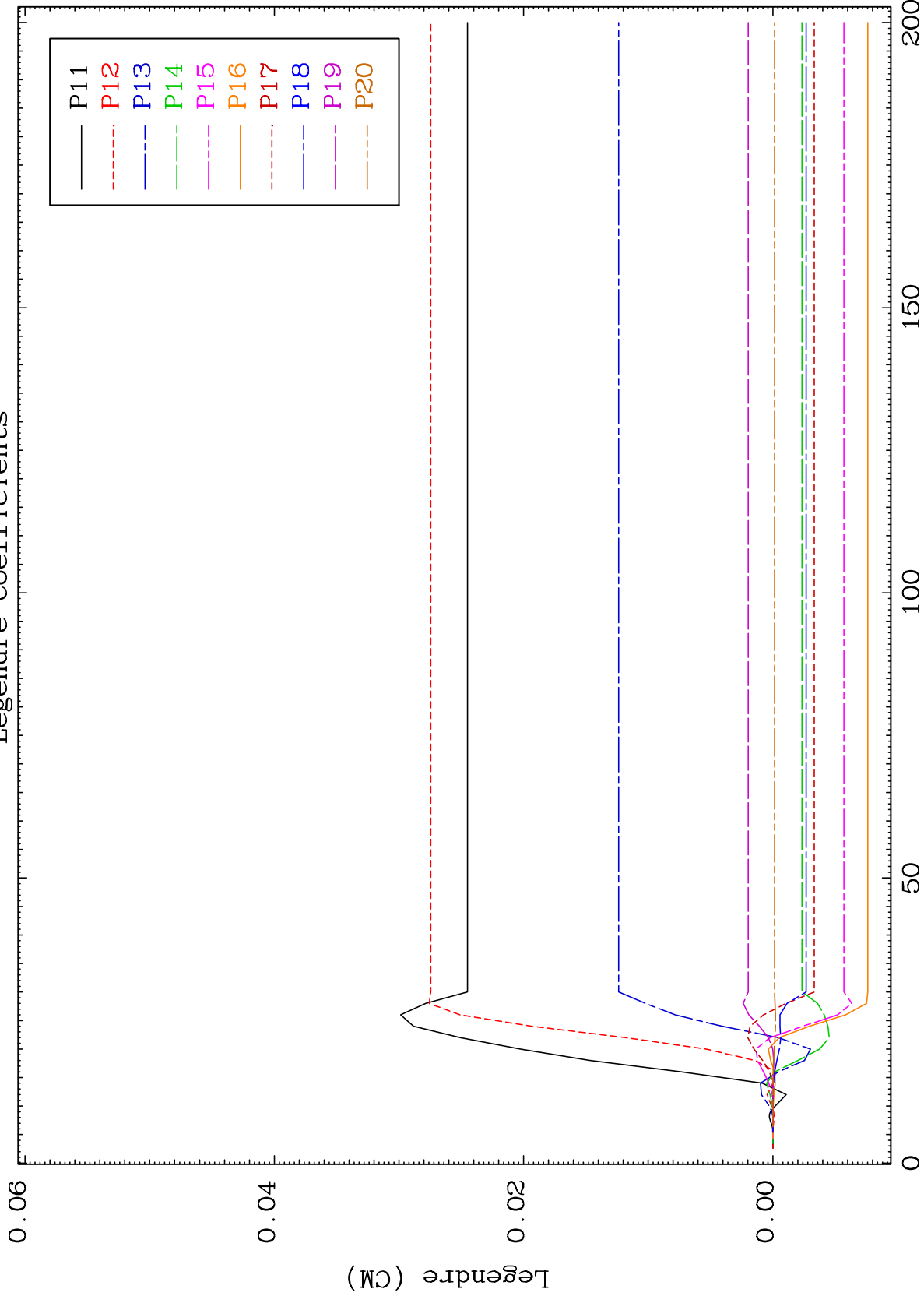
Incident Energy (MeV)

28

MAT 8301

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

83-Bi-201



29

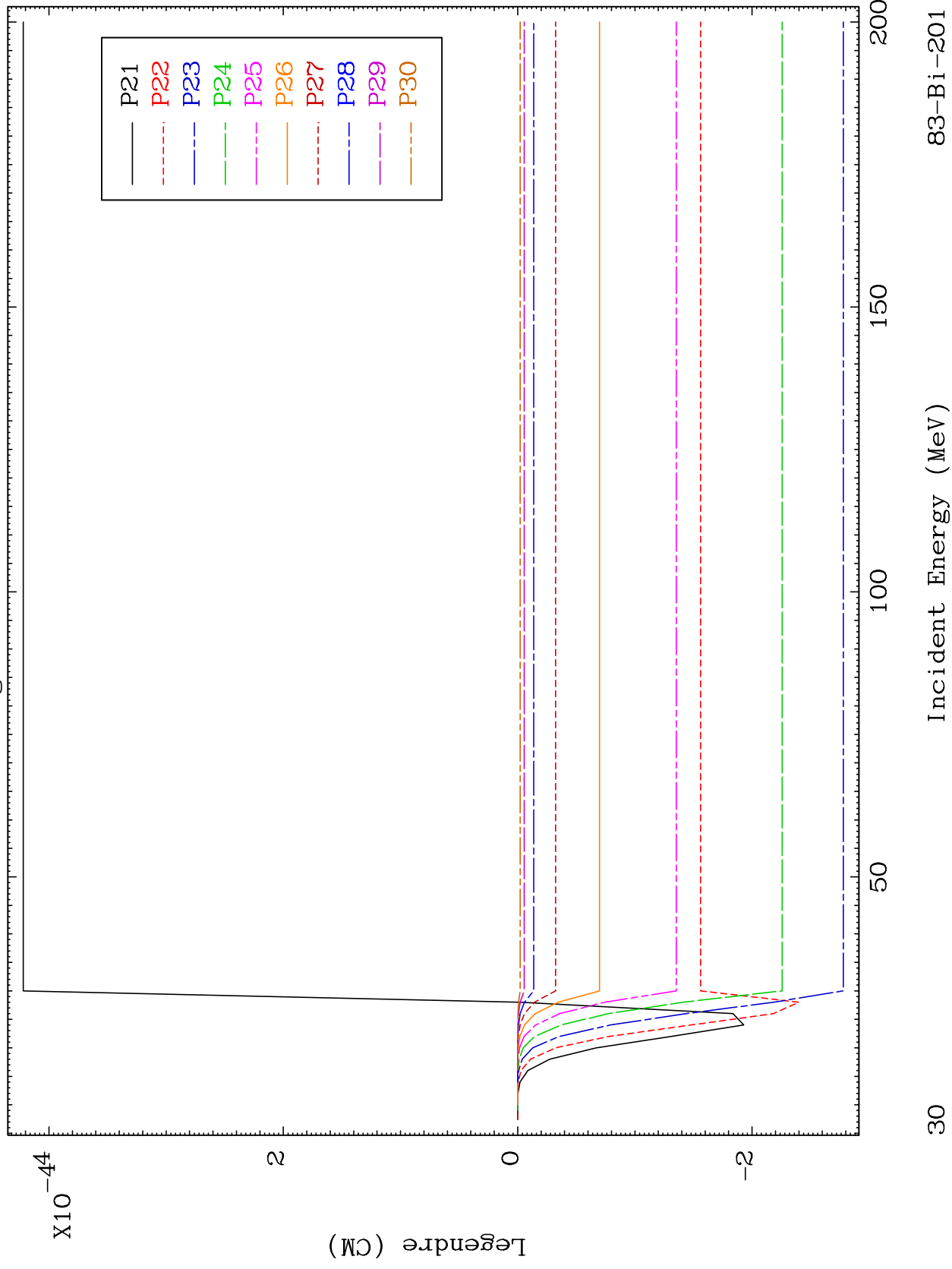
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

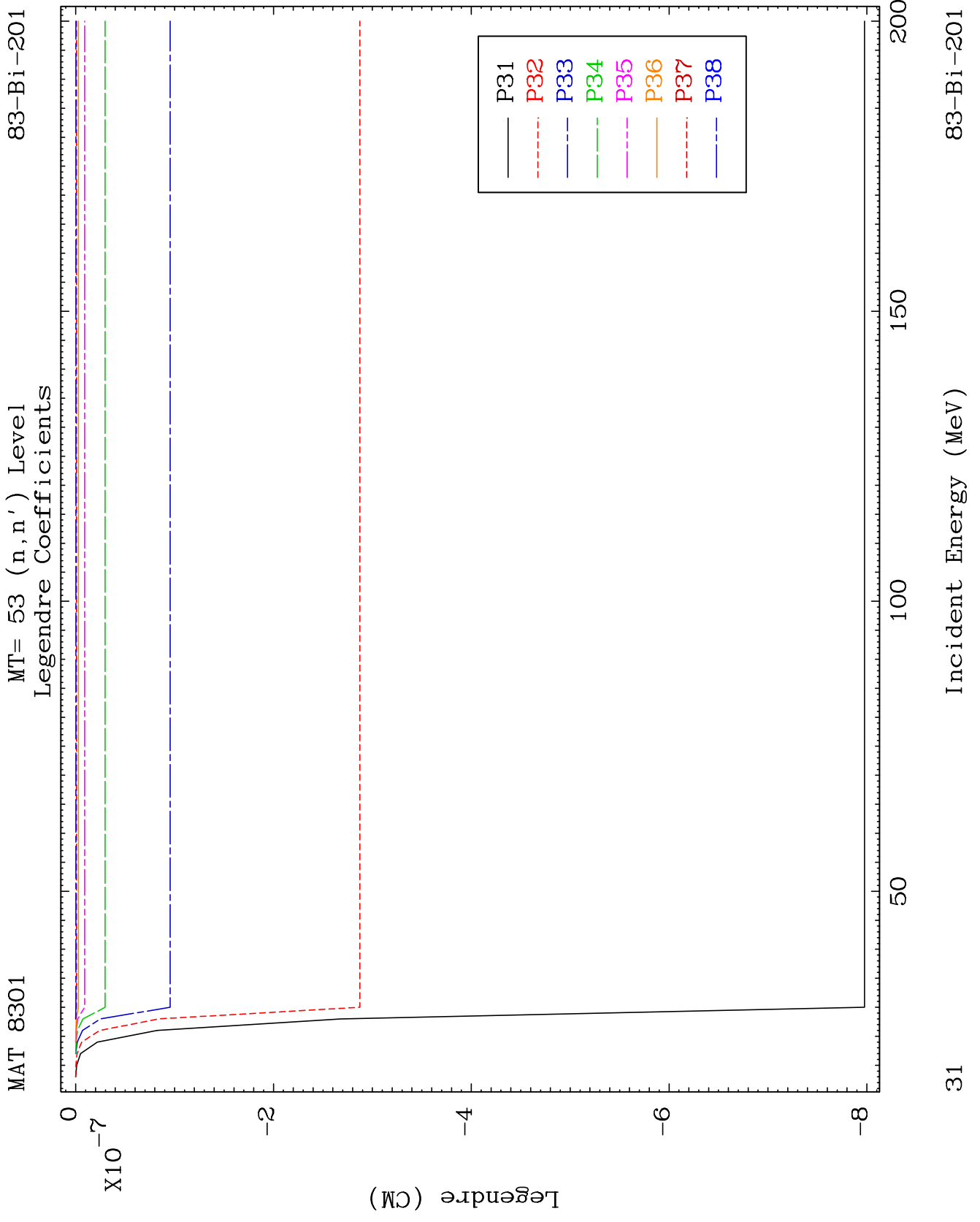
83-Bi-201



30

Incident Energy (MeV)

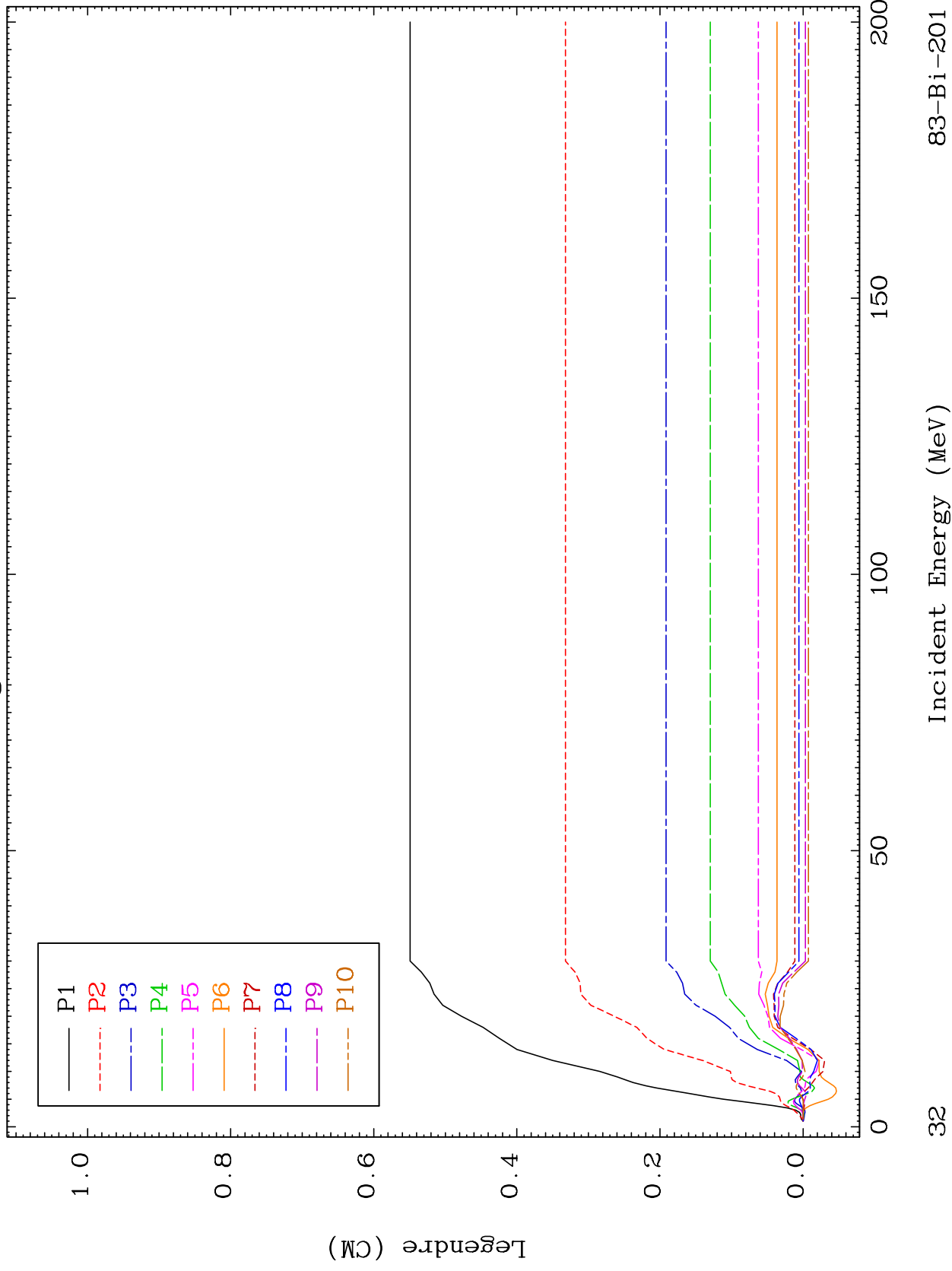
83-Bi-201



MAT 8301

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

83-Bi-201

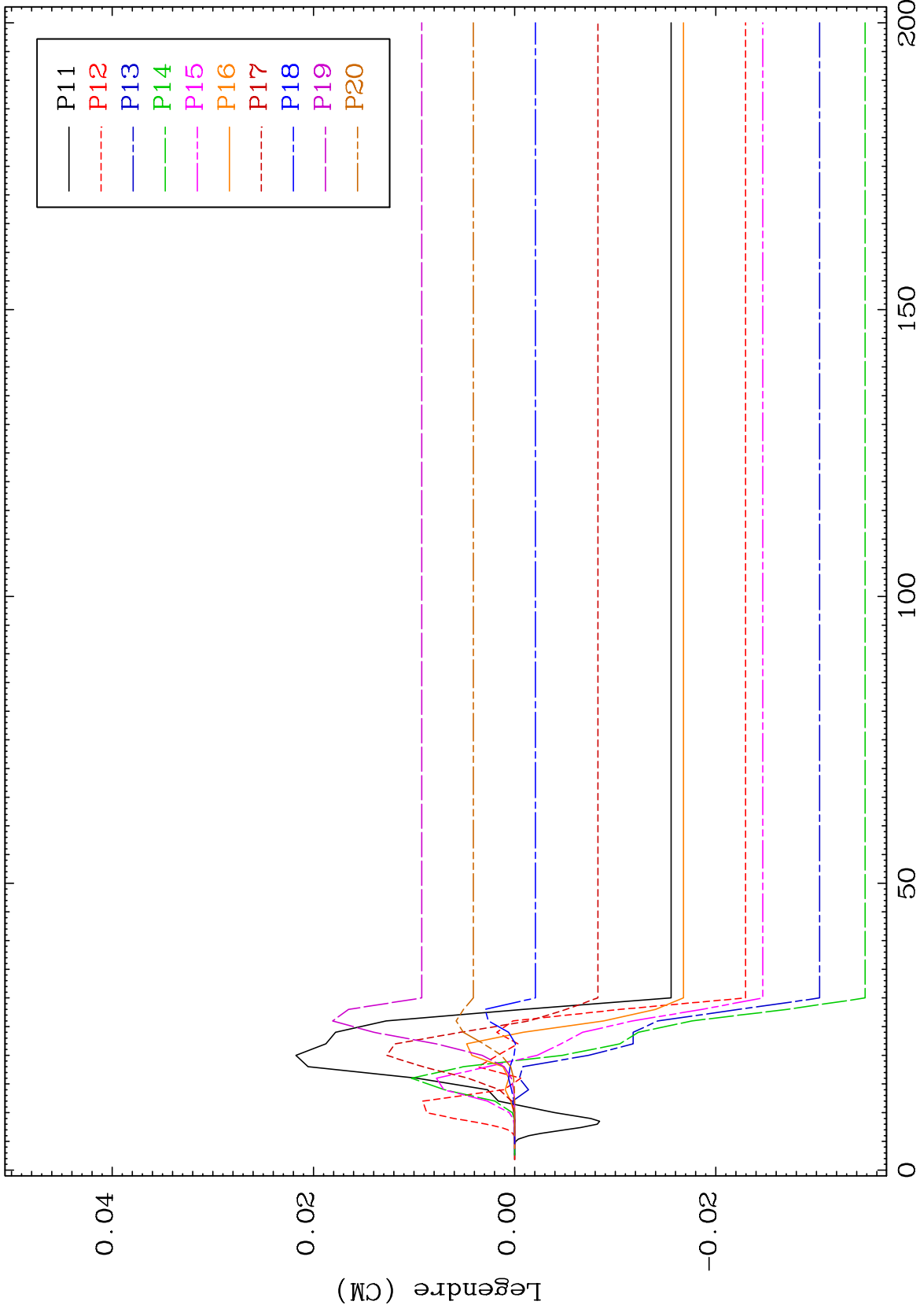


32

MAT 8301

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

83-Bi-201



33

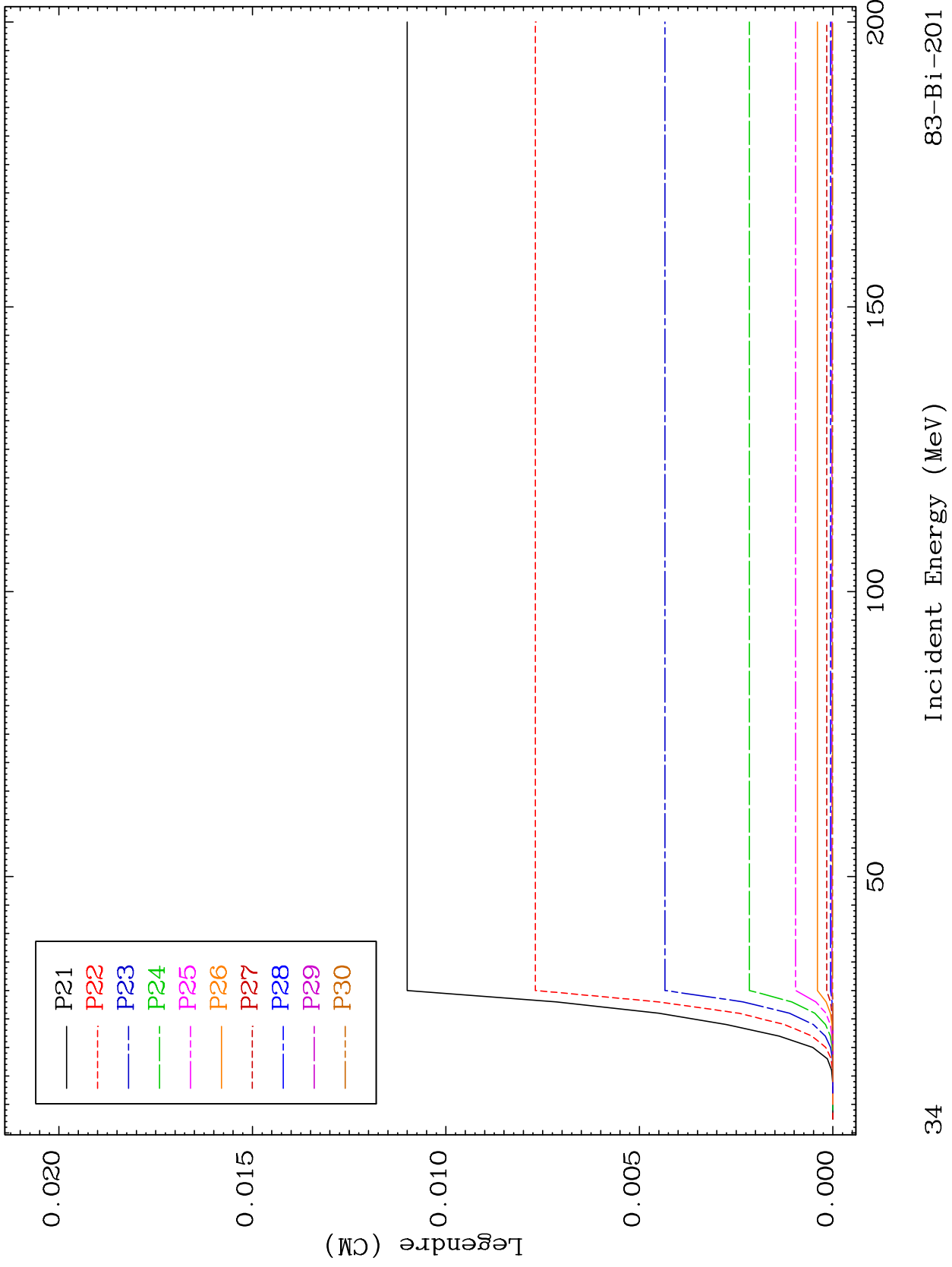
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



34

Incident Energy (MeV)

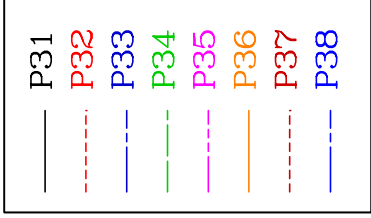
83-Bi-201

MAT 8301

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

83-Bi-201

$\times 10^{-6}$
2.5
2.0
1.5
1.0
0.5
0.0



Legendre (CM)

200

150

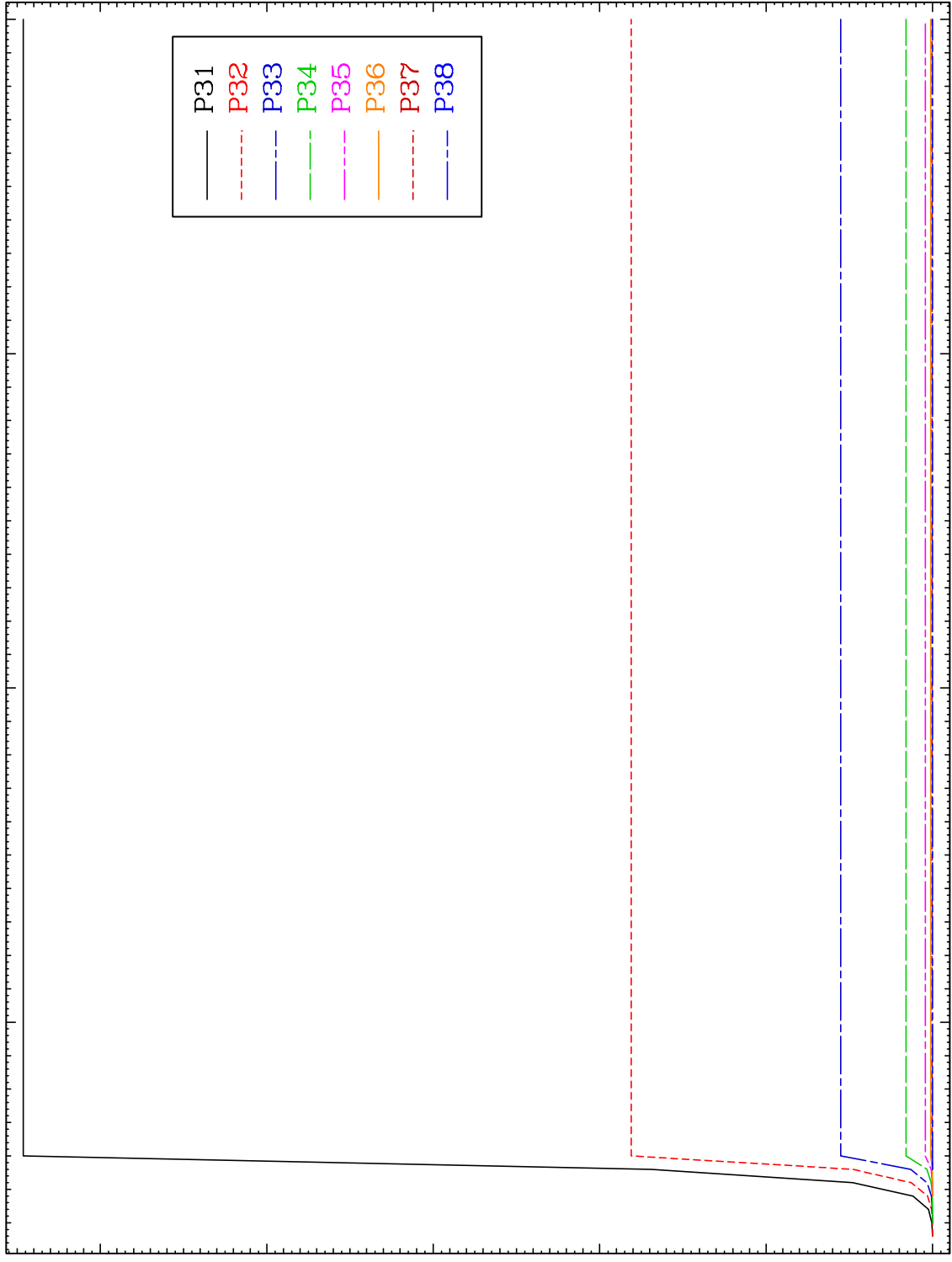
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50

35

Incident Energy (MeV)

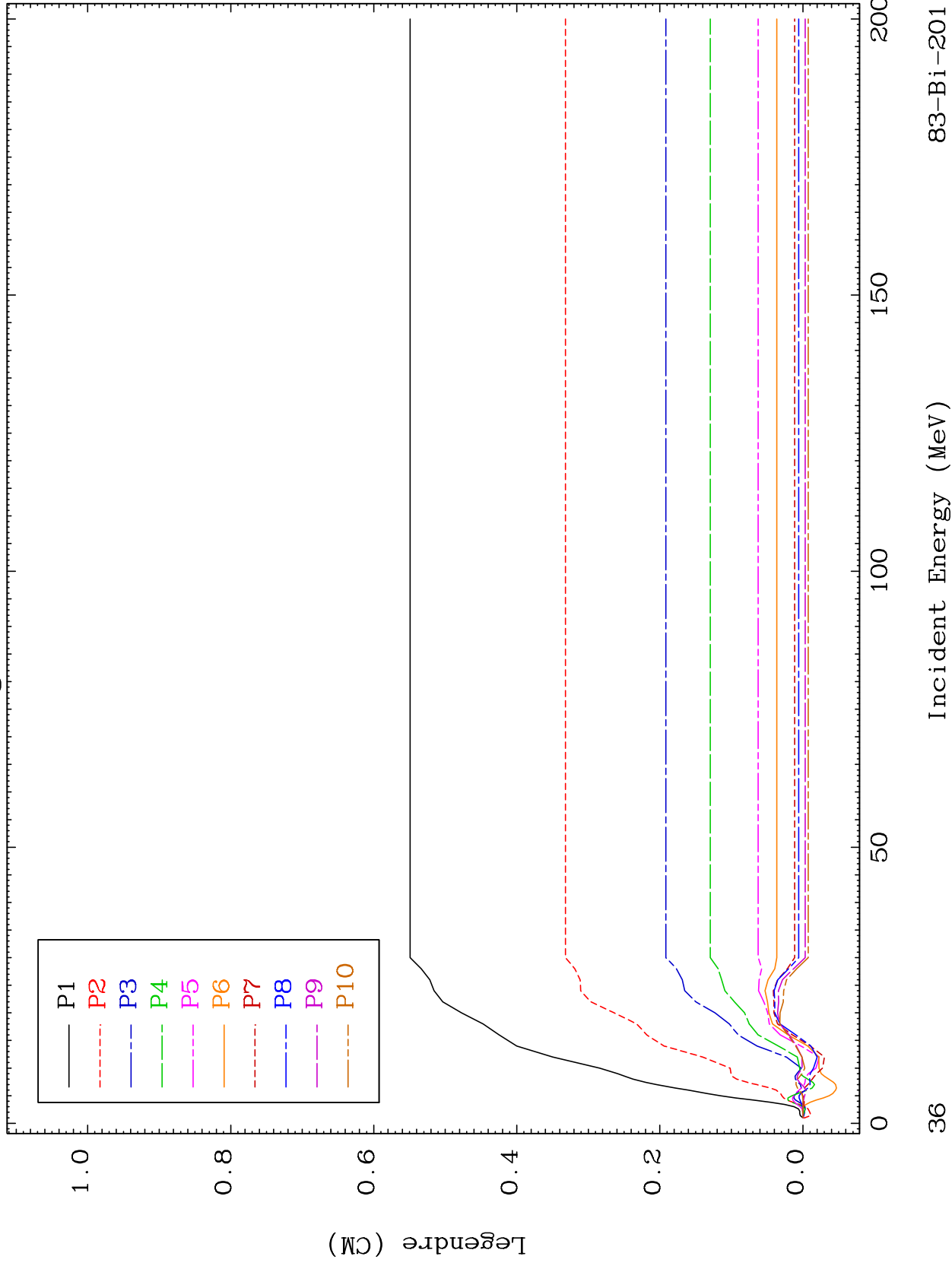
83-Bi-201



MAT 8301

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

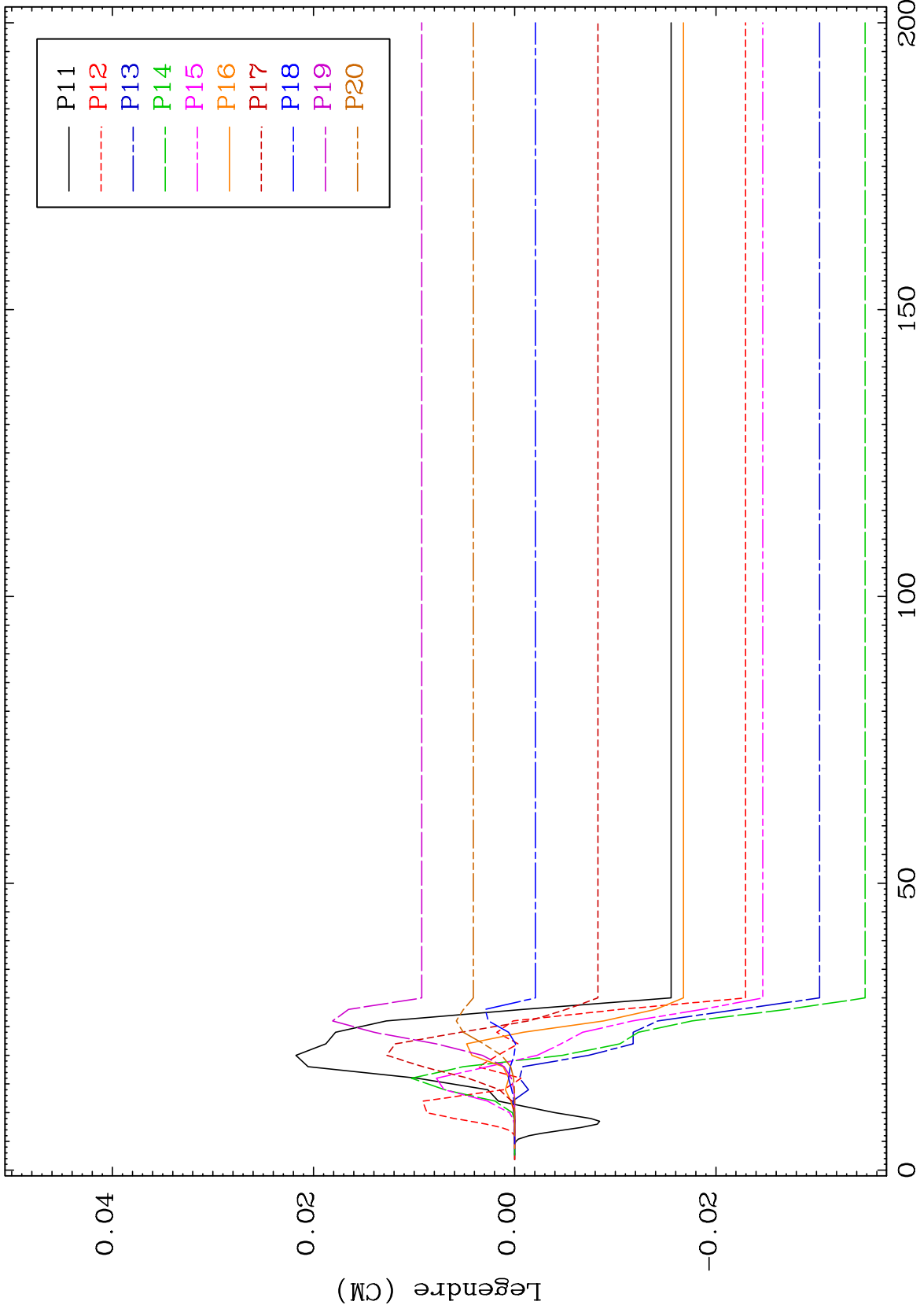
83-Bi-201



MAT 8301

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

83-Bi-201



37

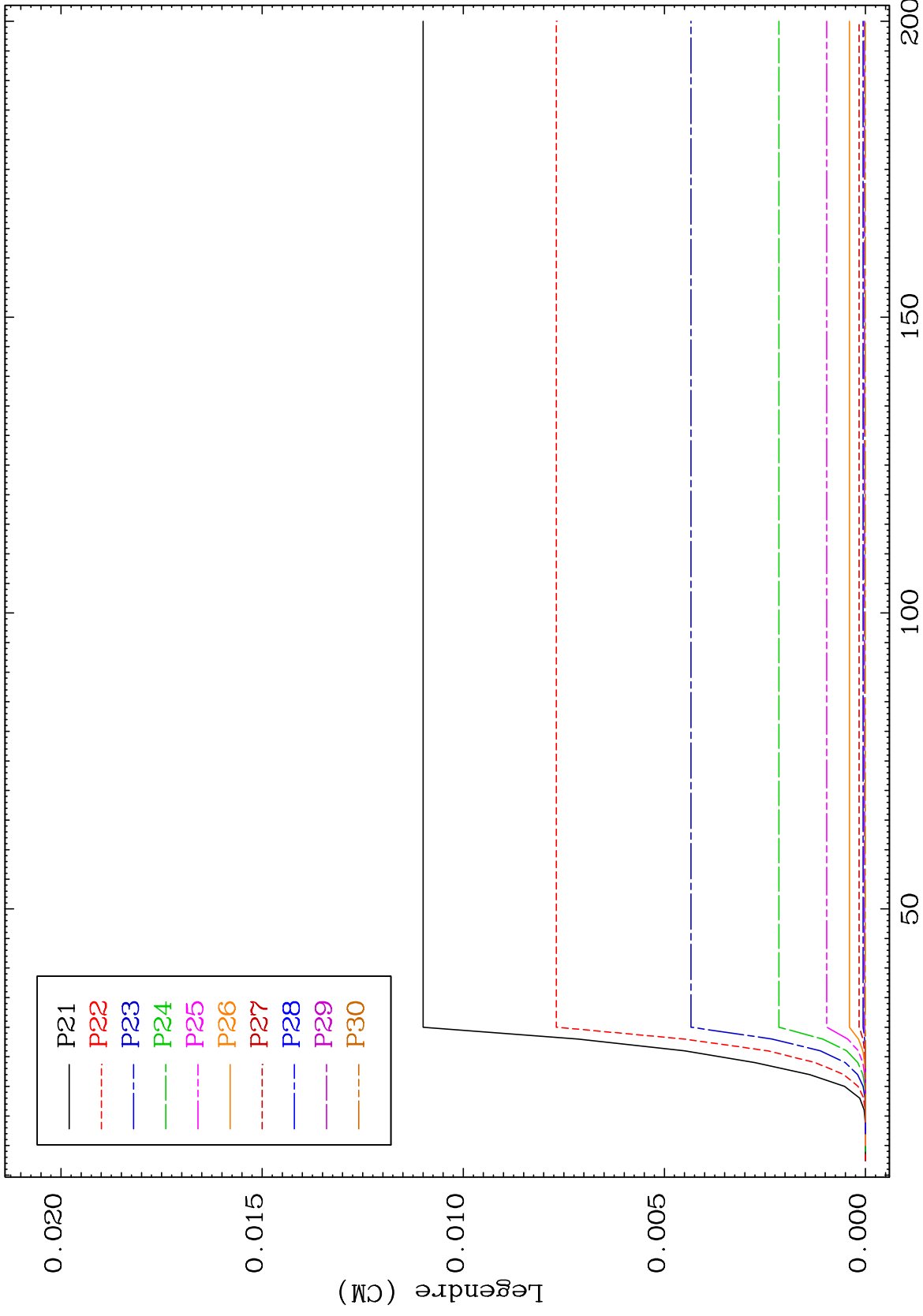
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



38

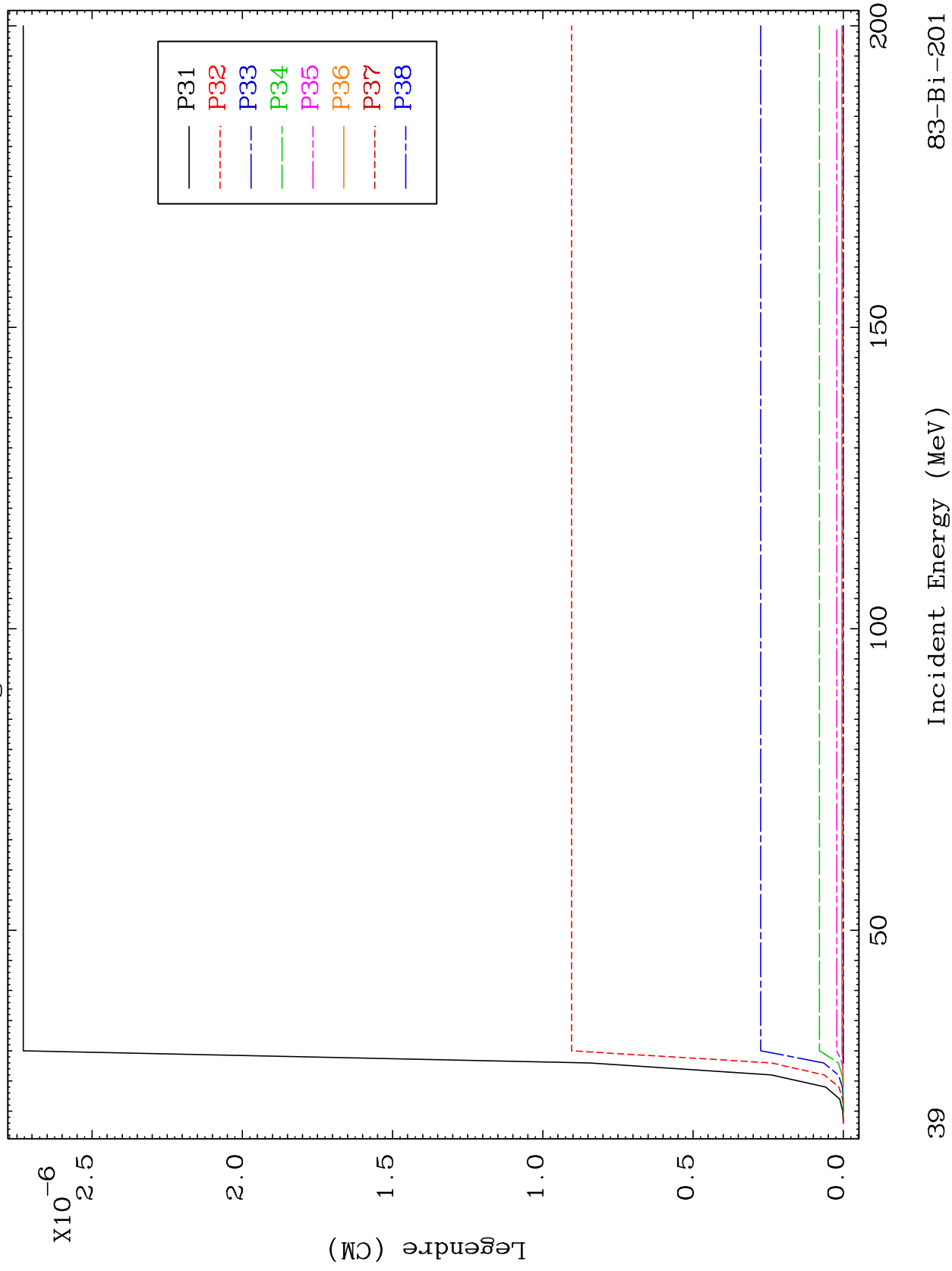
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

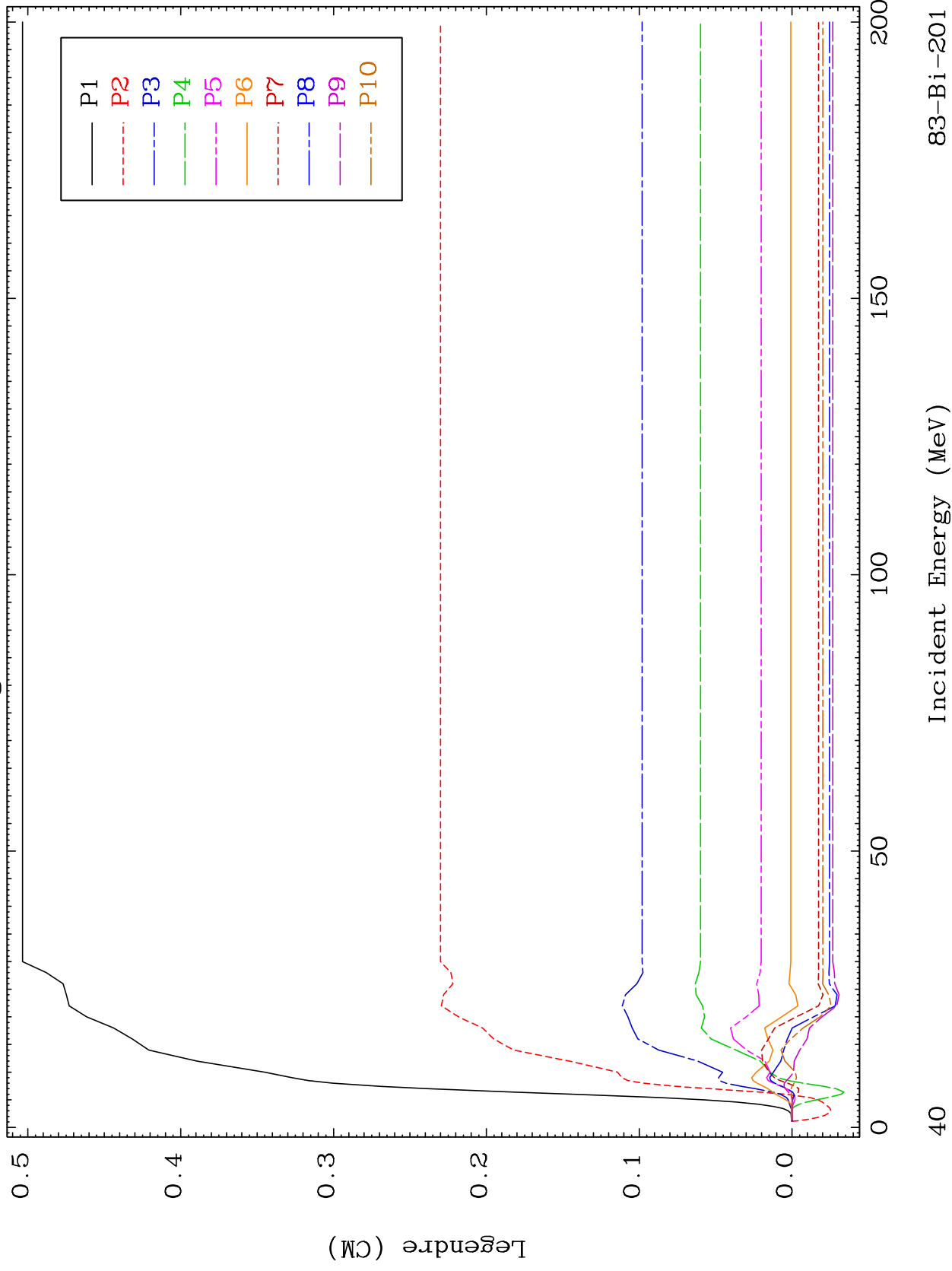
83-Bi-201



MAT 8301

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

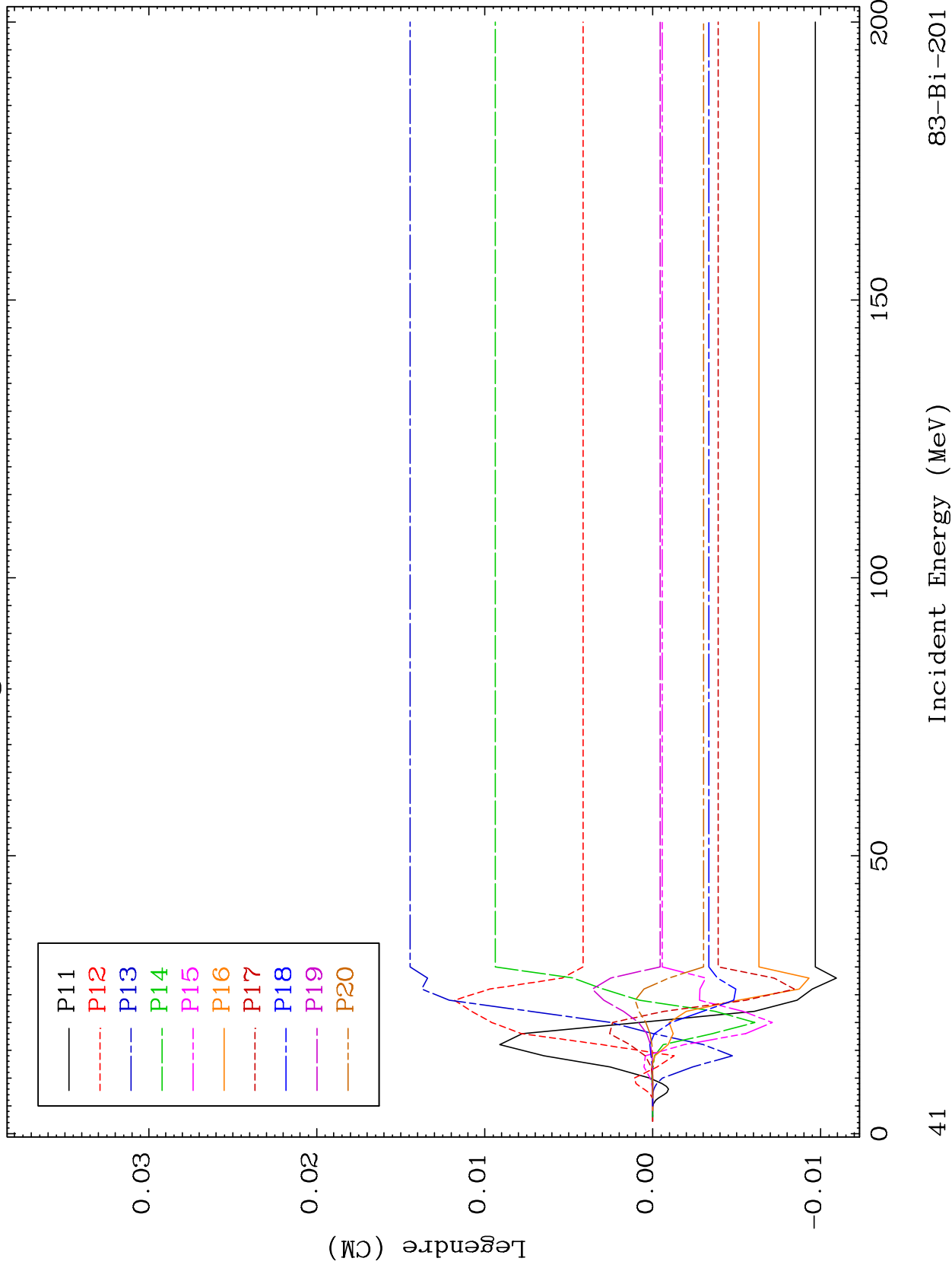
83-Bi-201



MAT 8301

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

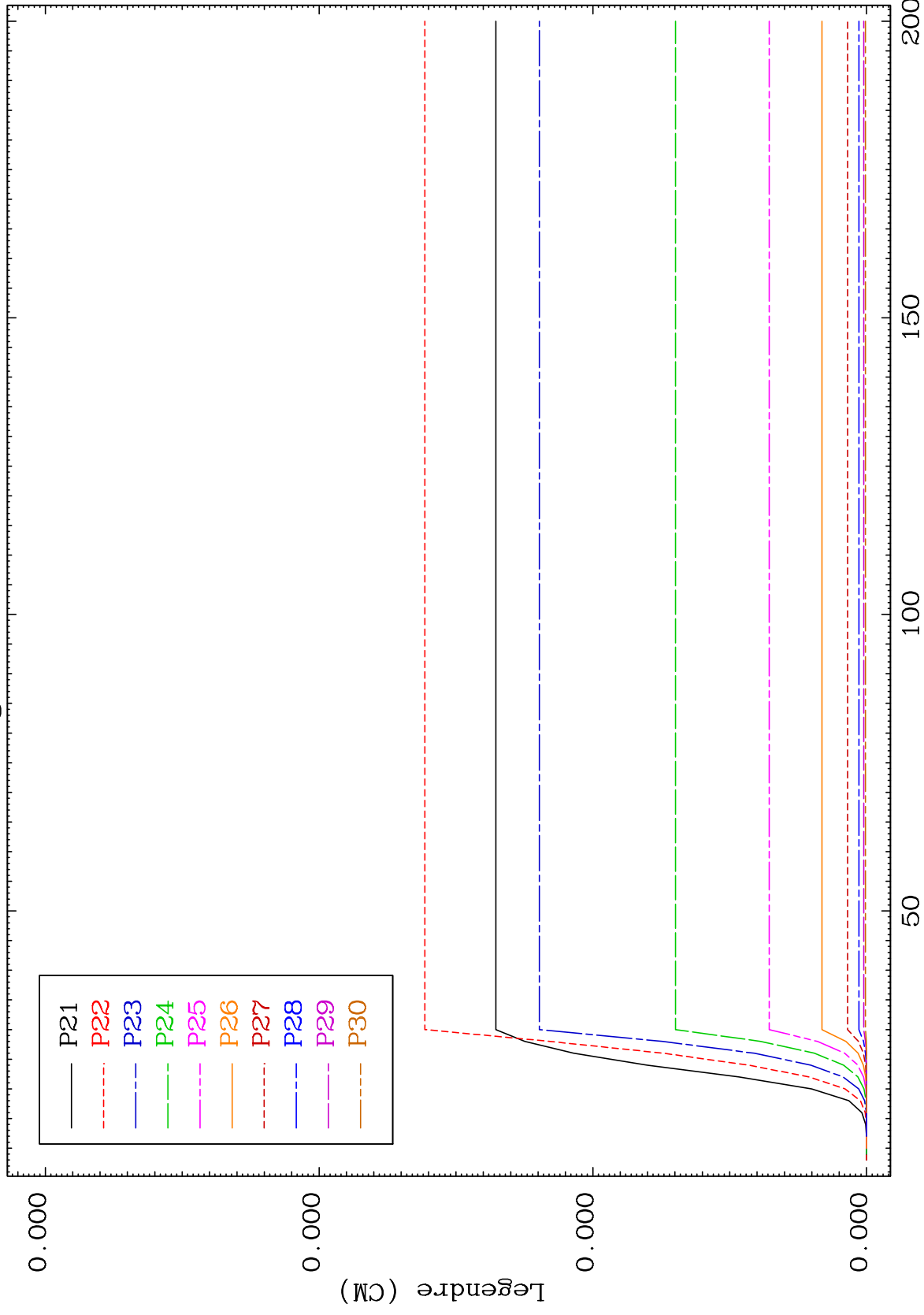
83-Bi-201



MAT 8301

83-Bi-201

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



42

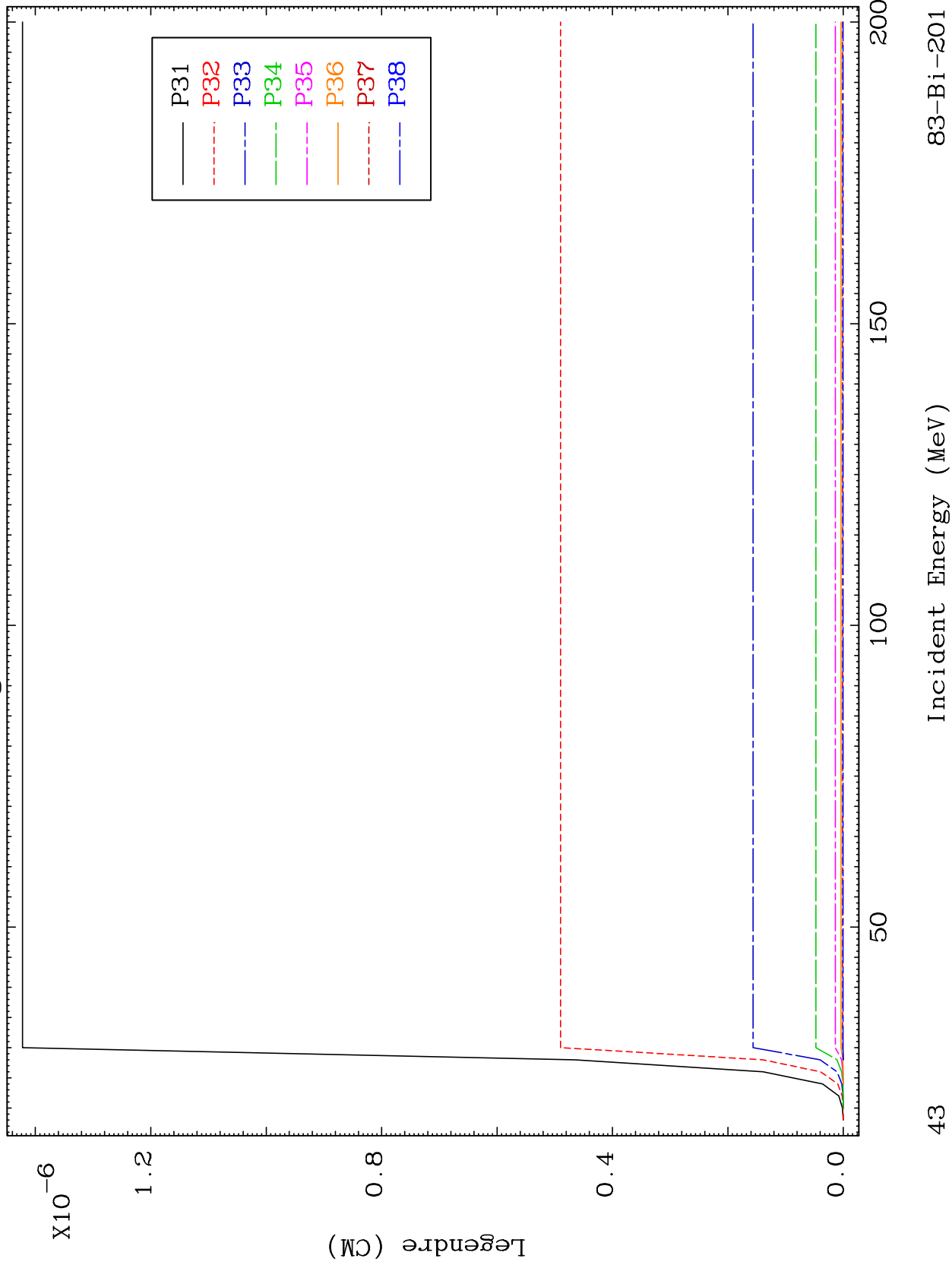
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



43

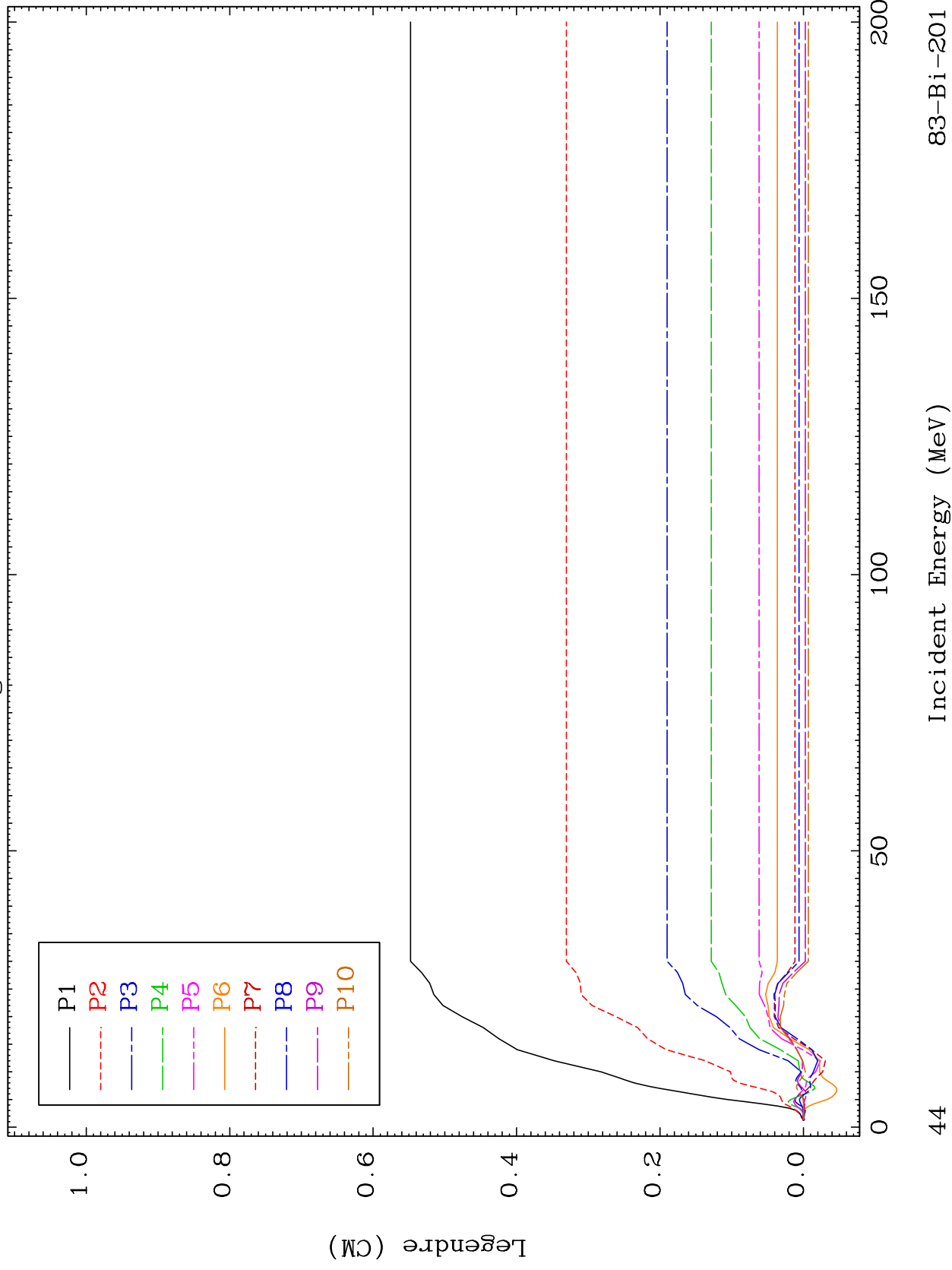
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201

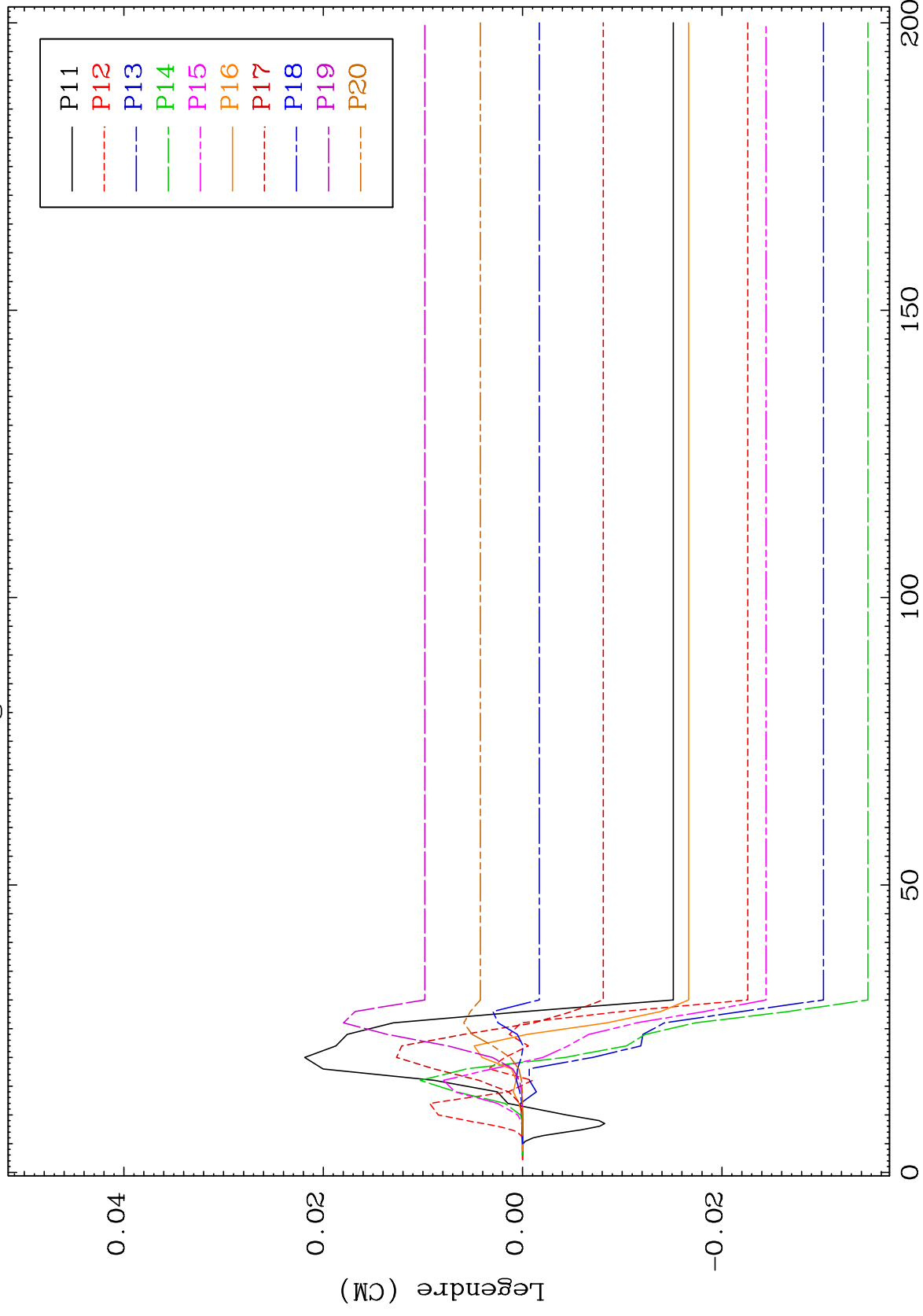


44

MAT 8301

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

83-Bi-201



45

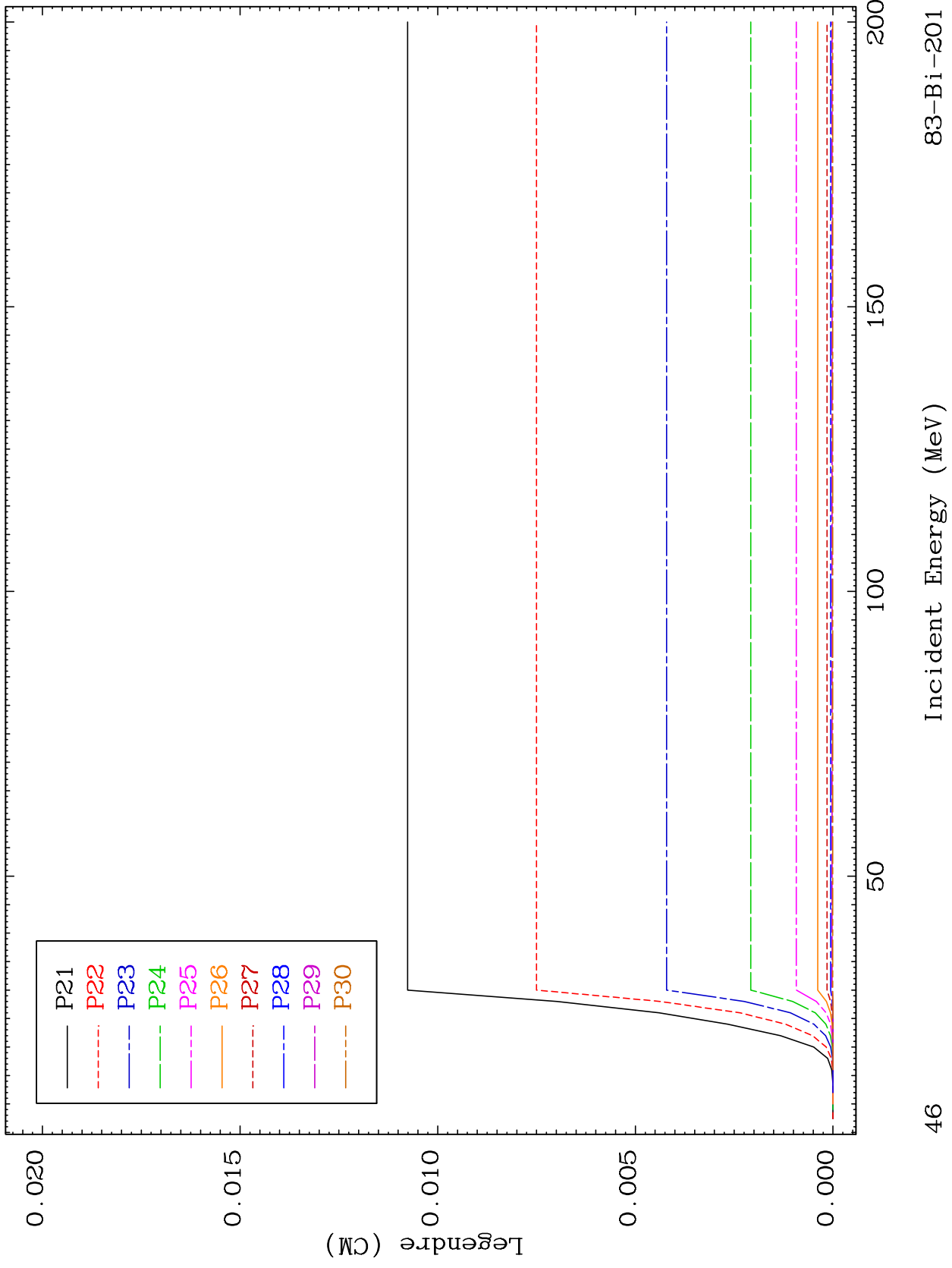
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



46

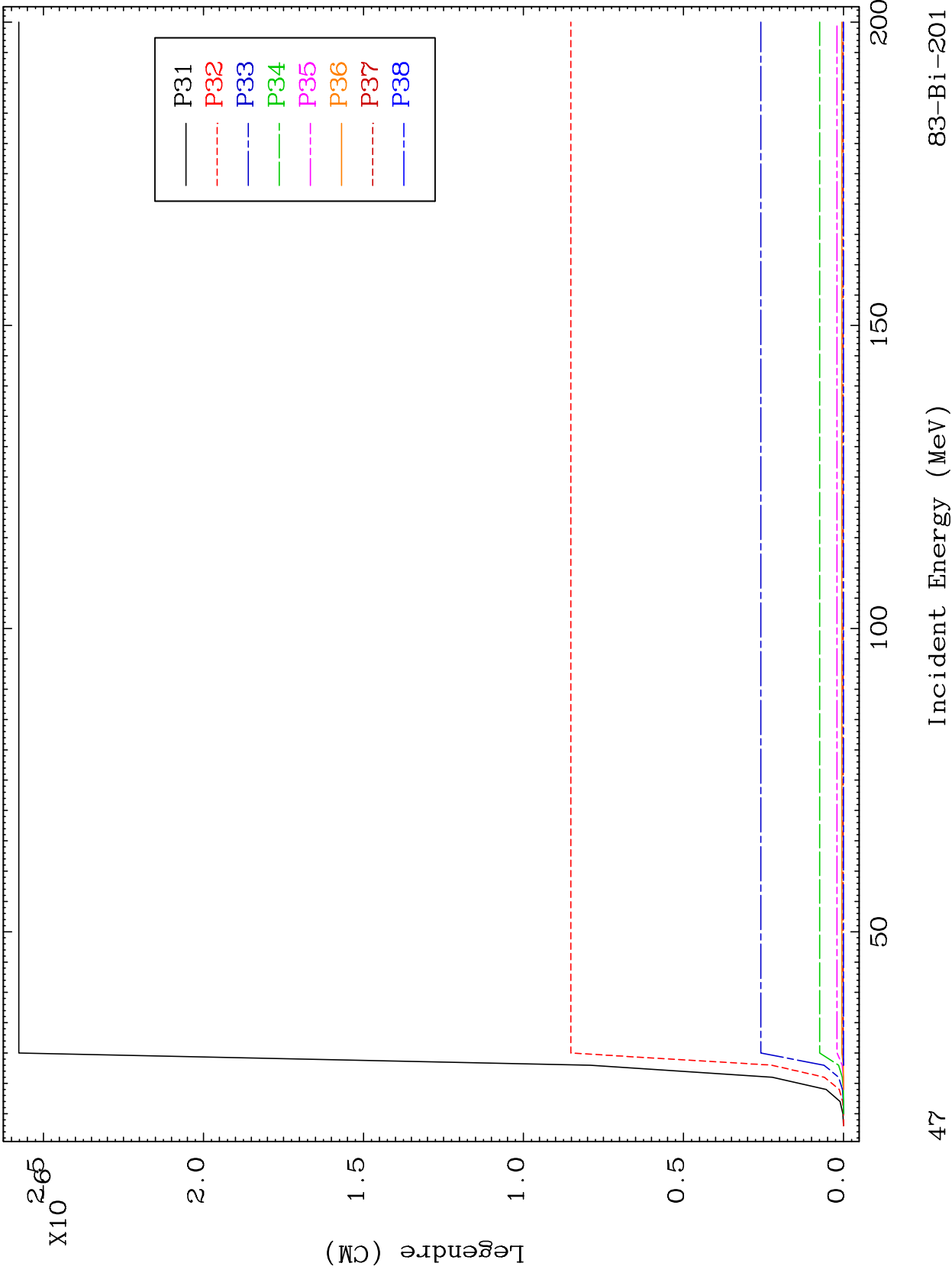
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



47

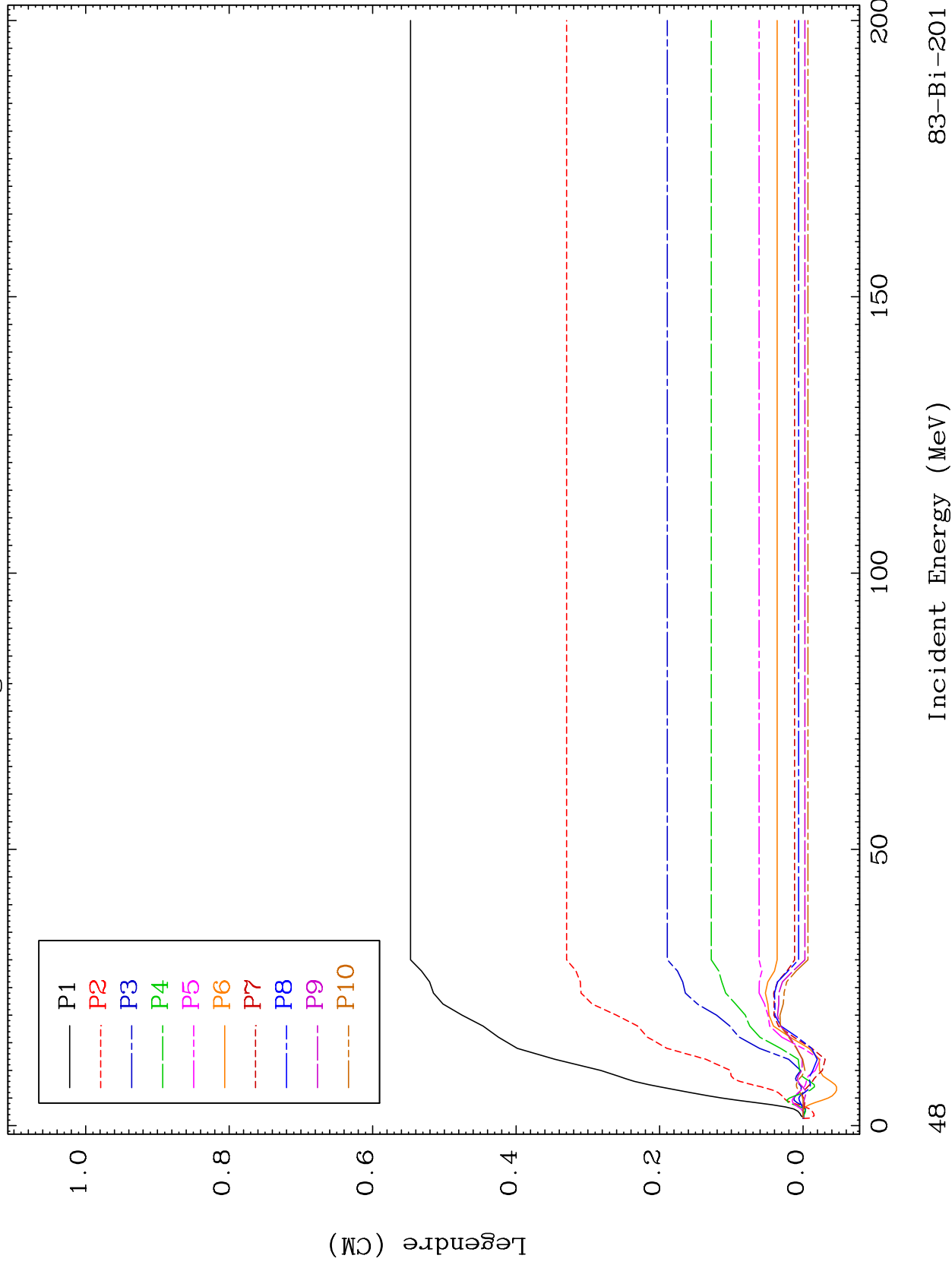
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201

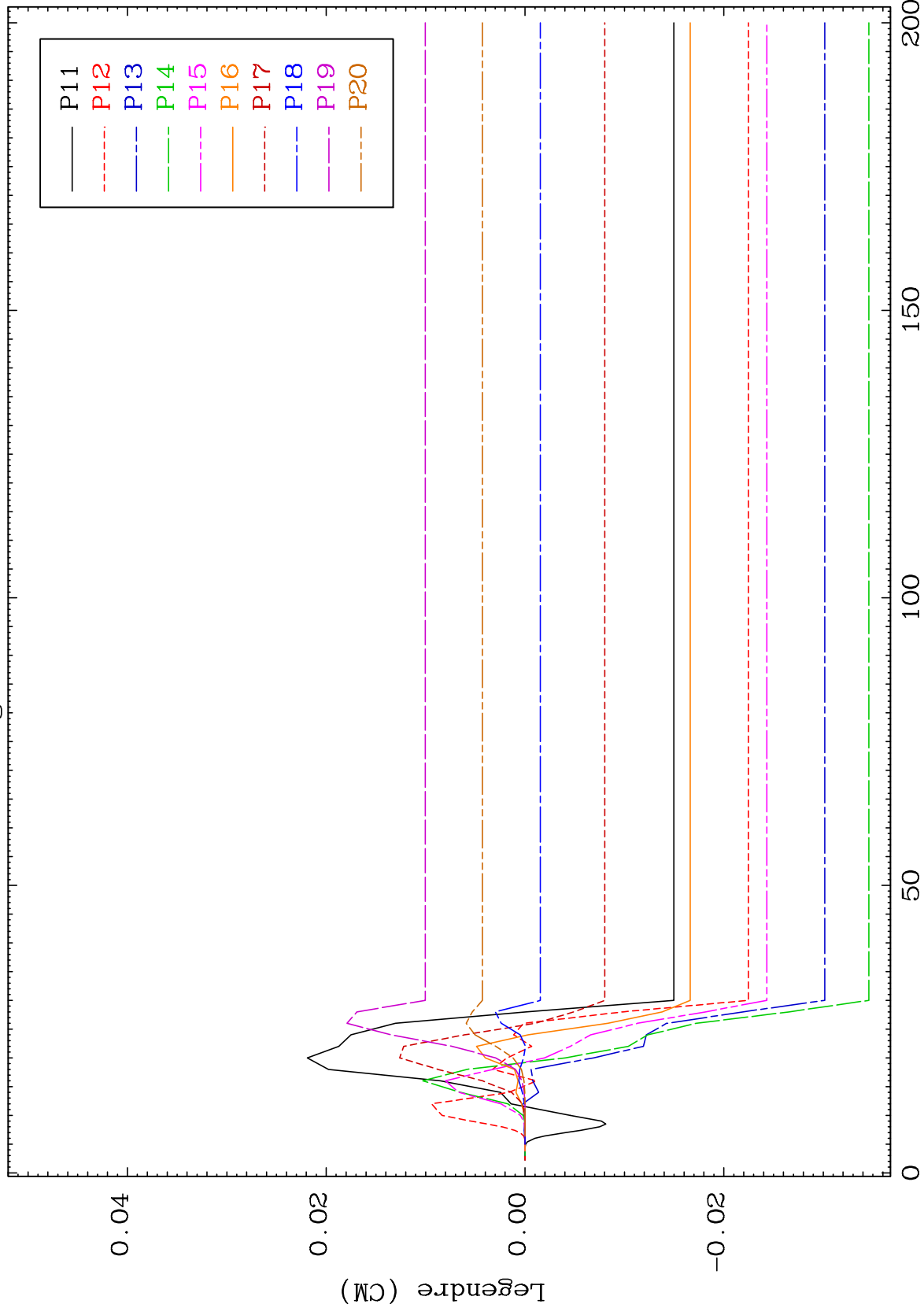


48

MAT 8301

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

83-Bi-201



49

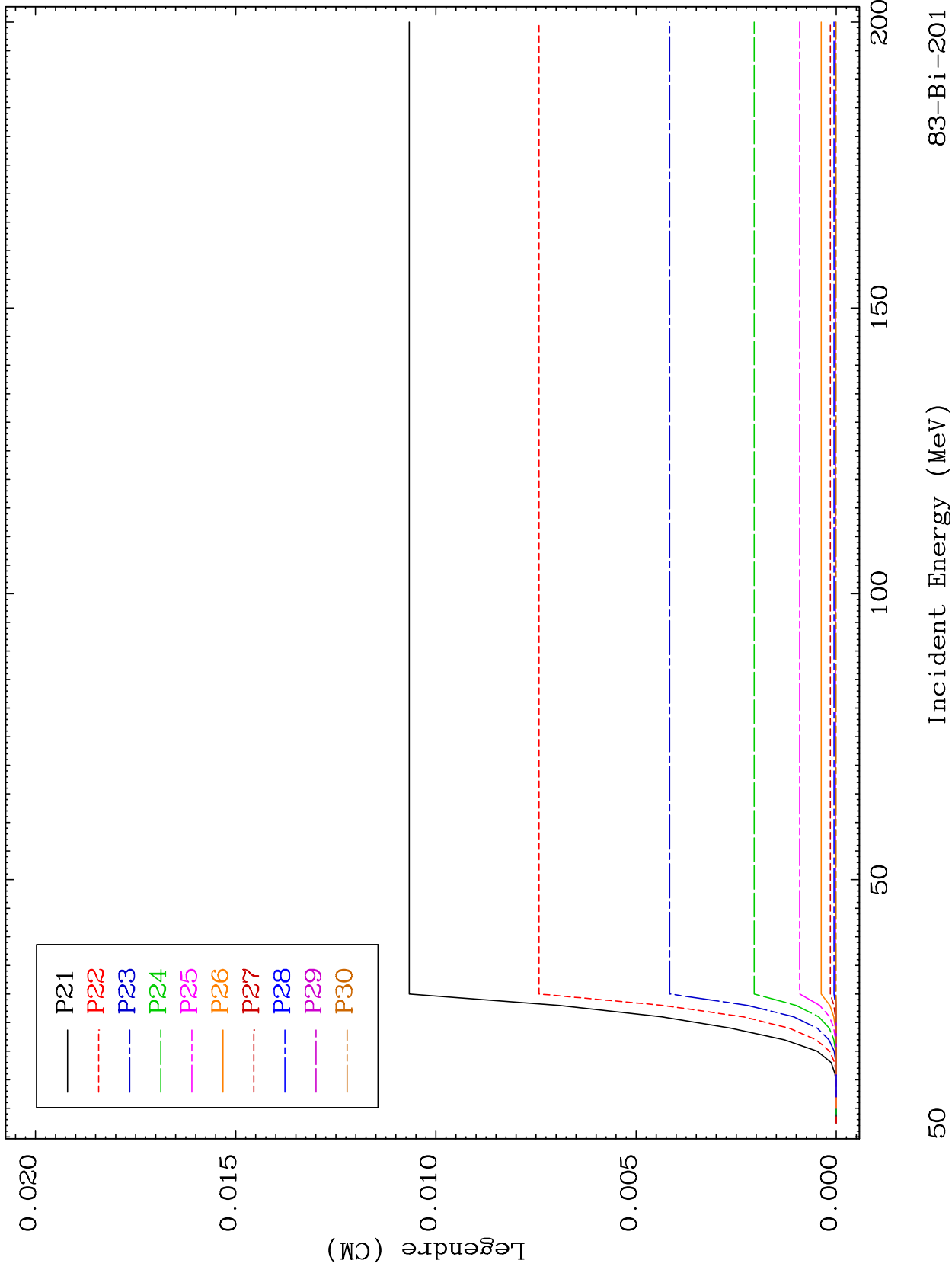
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



83-Bi-201

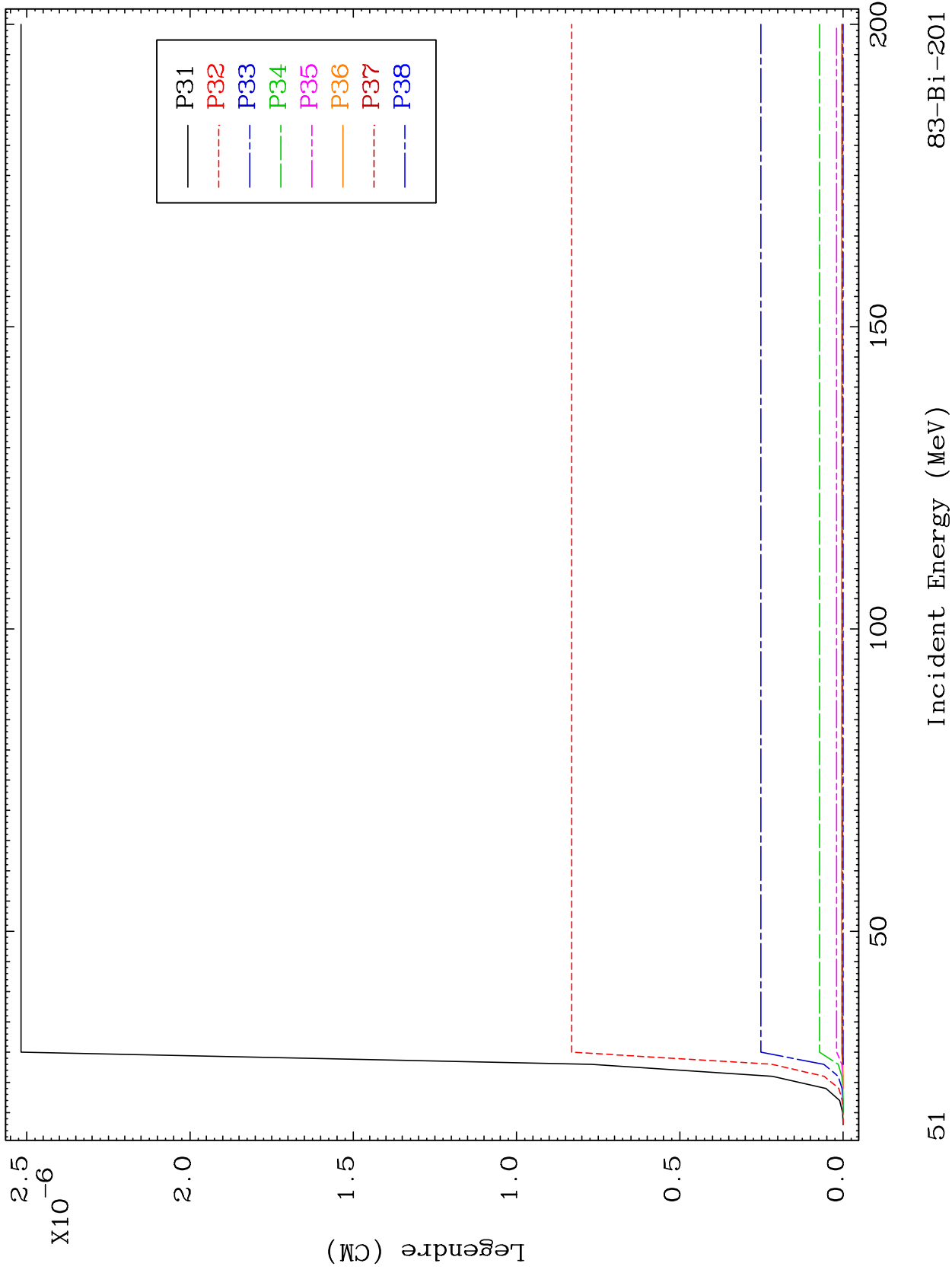
Incident Energy (MeV)

50

MAT 8301

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

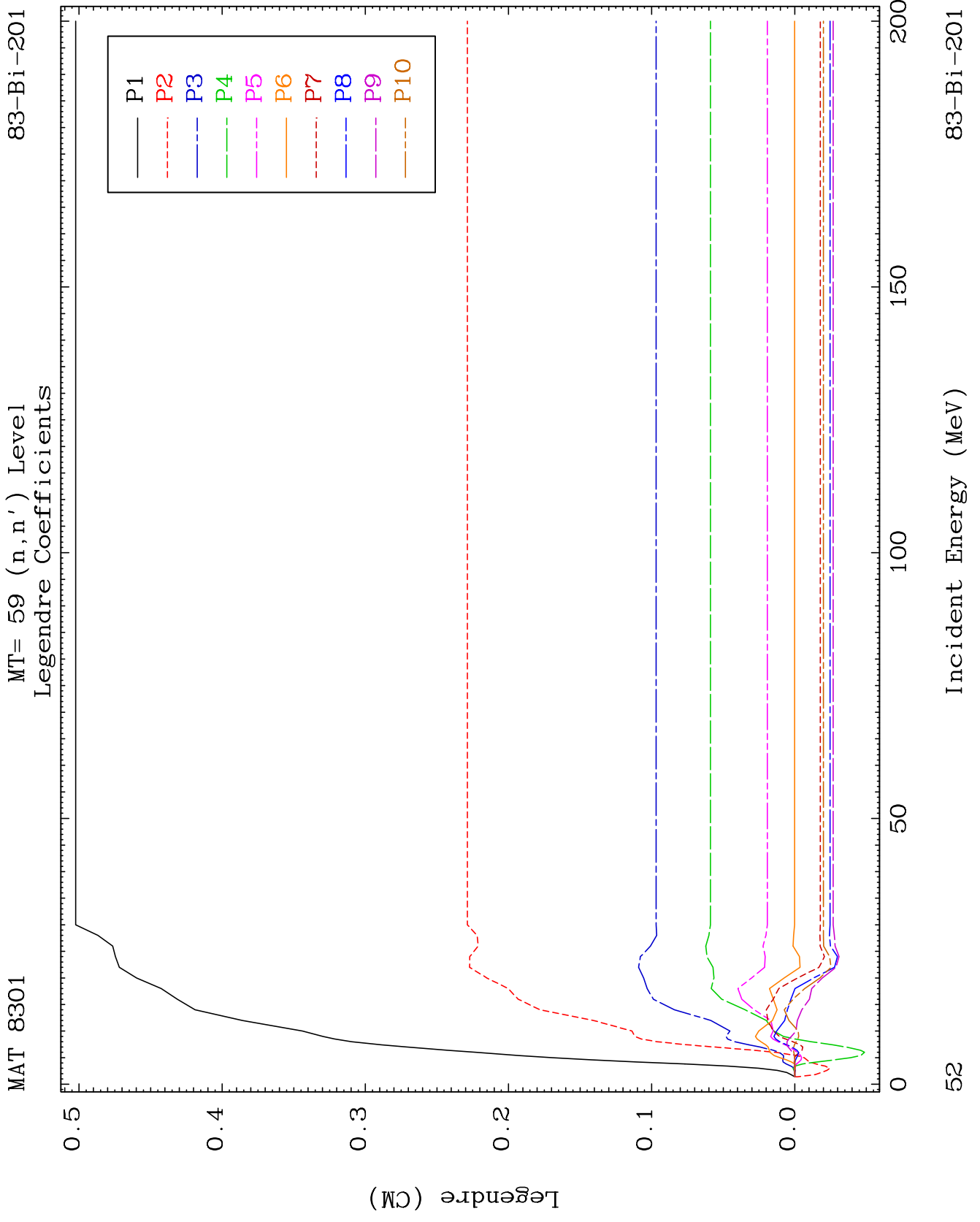
83-Bi-201



51

Incident Energy (MeV)

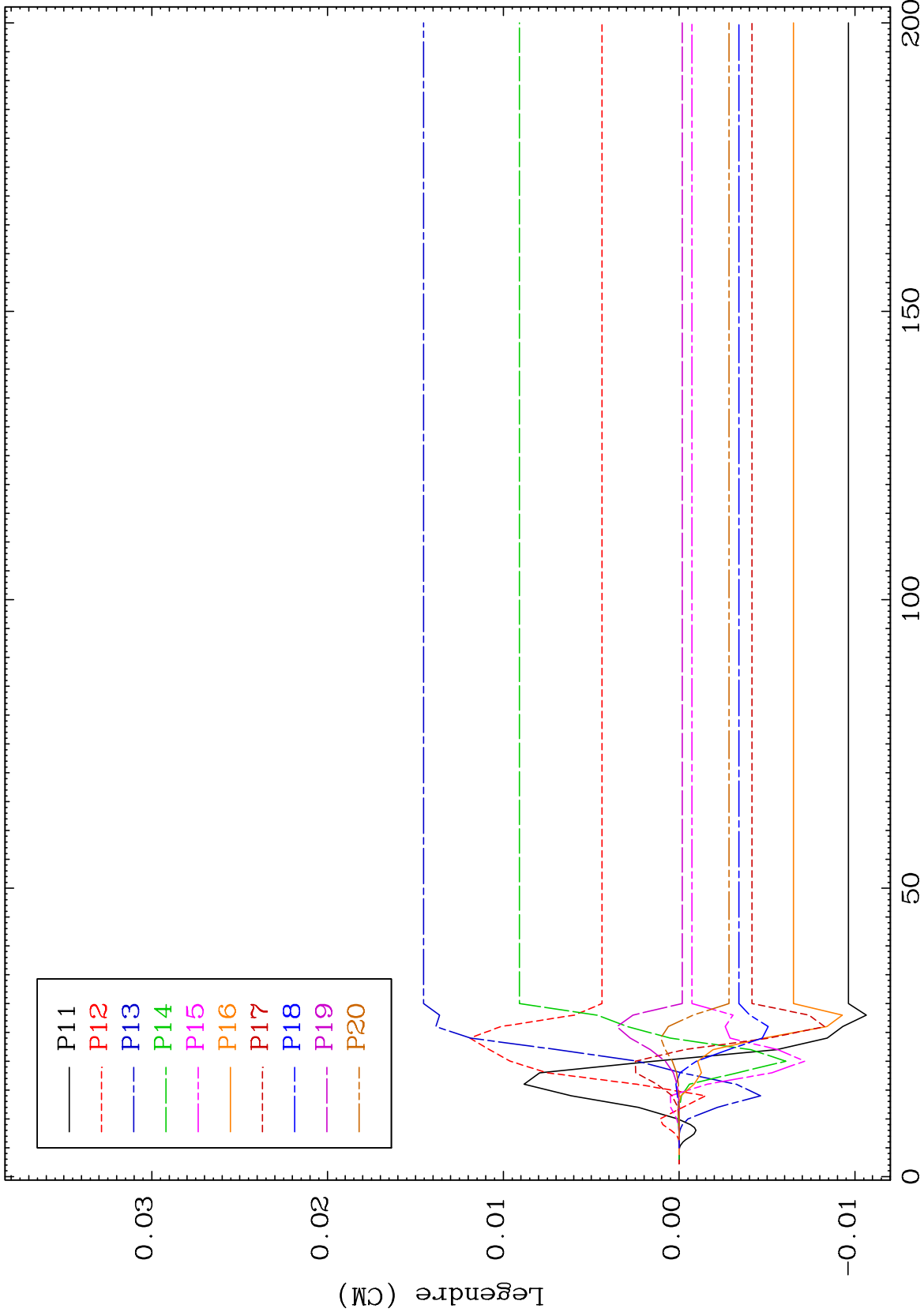
83-Bi-201



MAT 8301

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

83-Bi-201



53

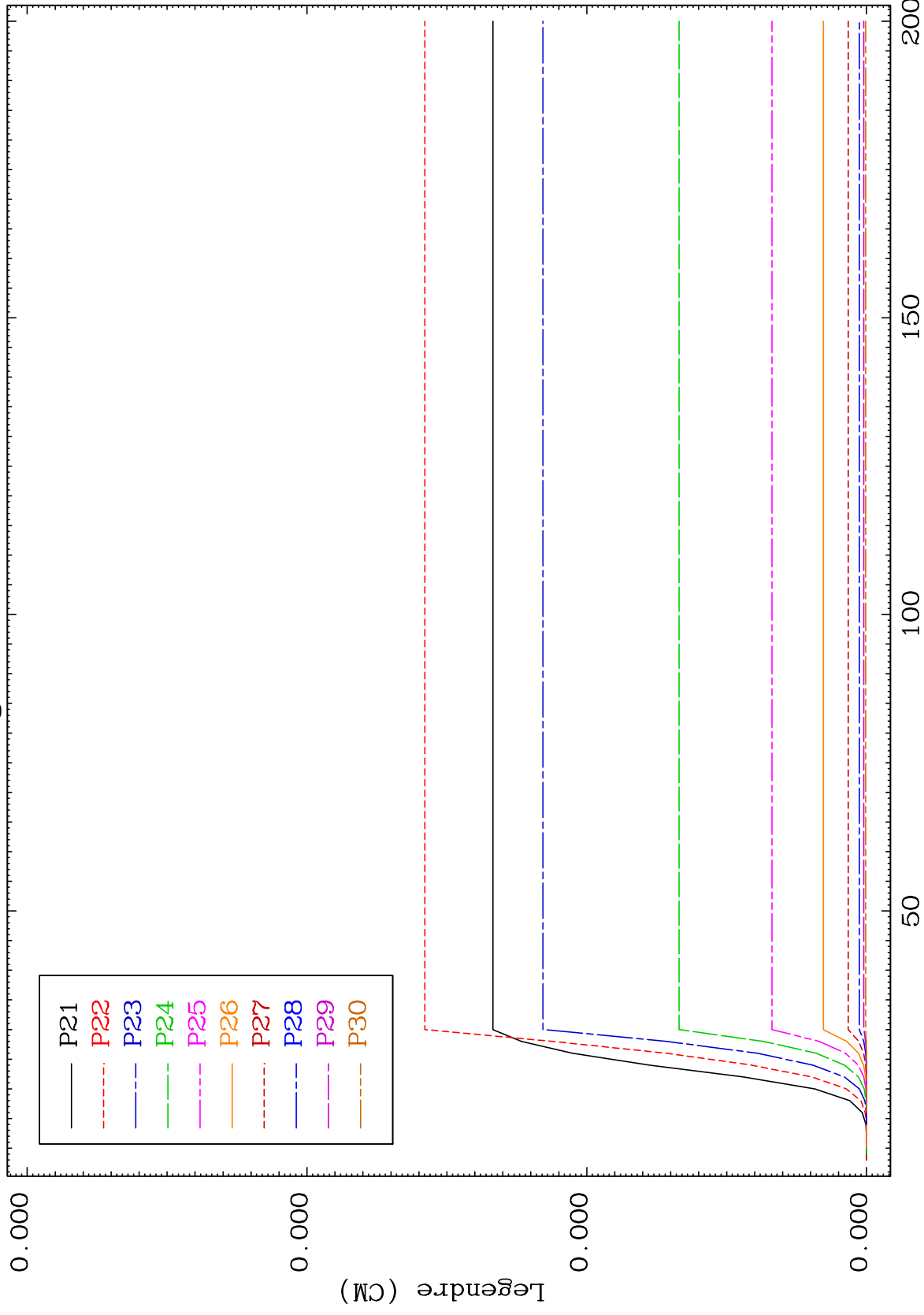
Incident Energy (MeV)

83-Bi-201

MAT 8301

83-Bi-201

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



54

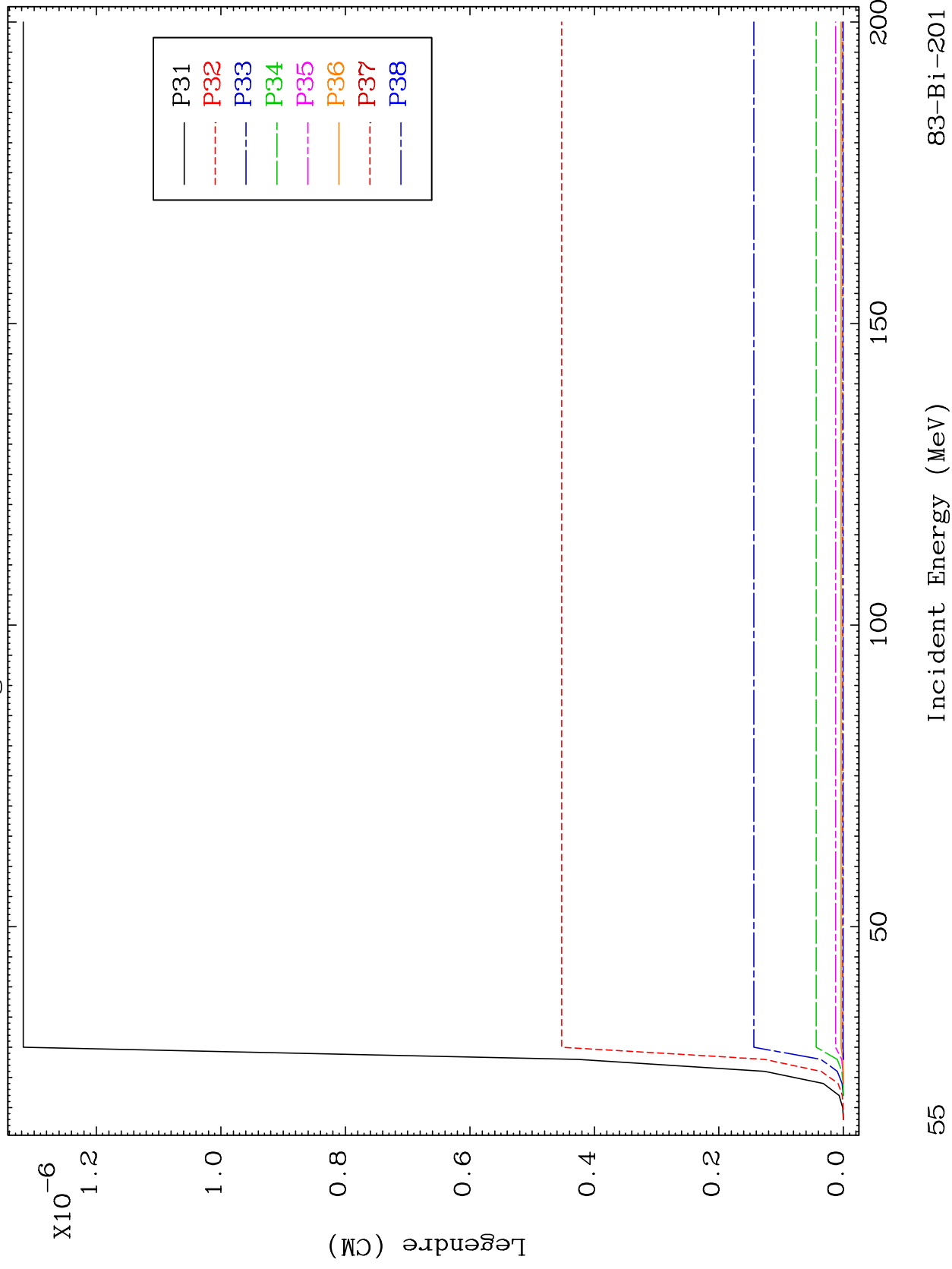
83-Bi-201

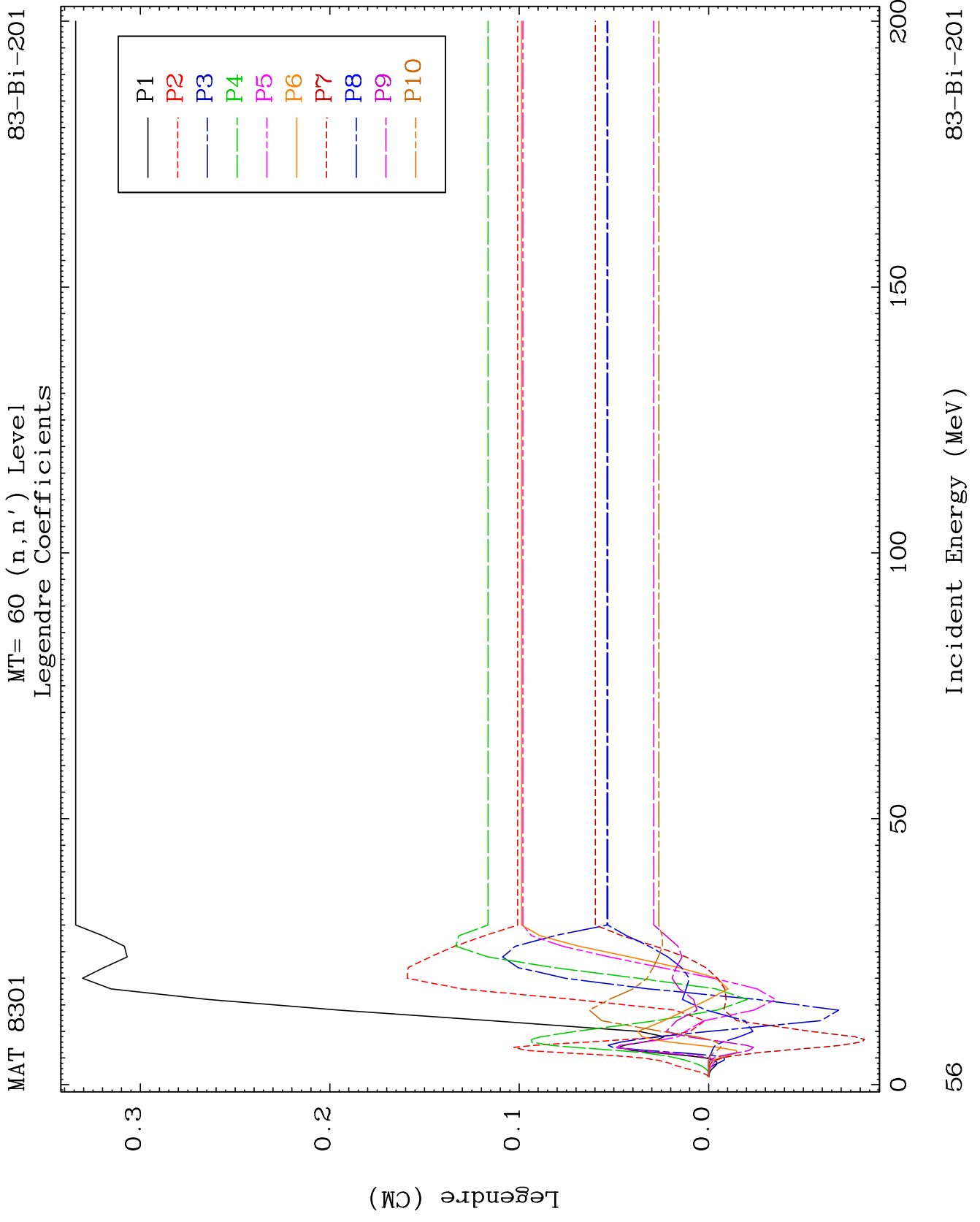
Incident Energy (MeV)

MAT 8301

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

83-Bi-201

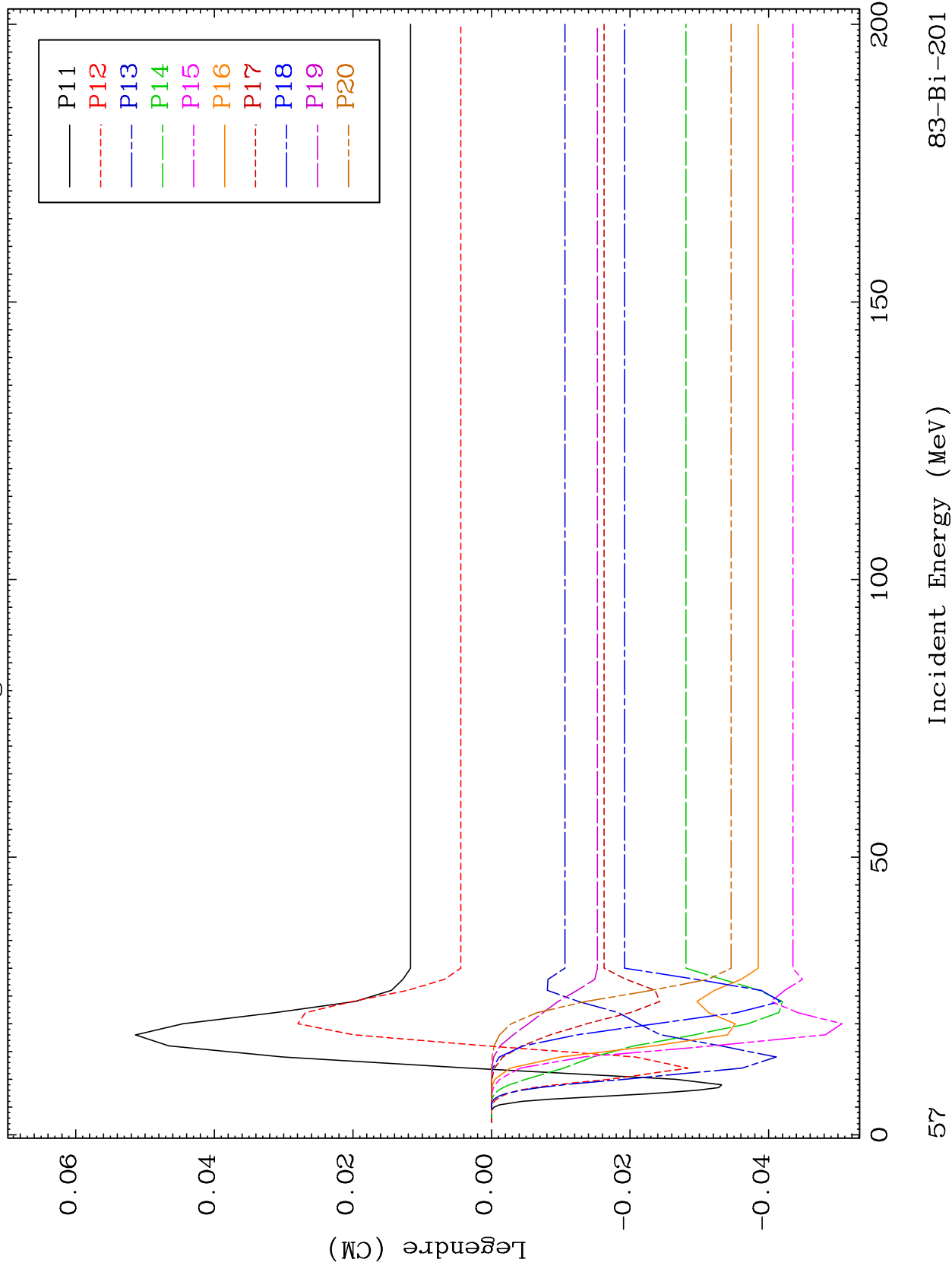




MAT 8301

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

83-Bi-201



57

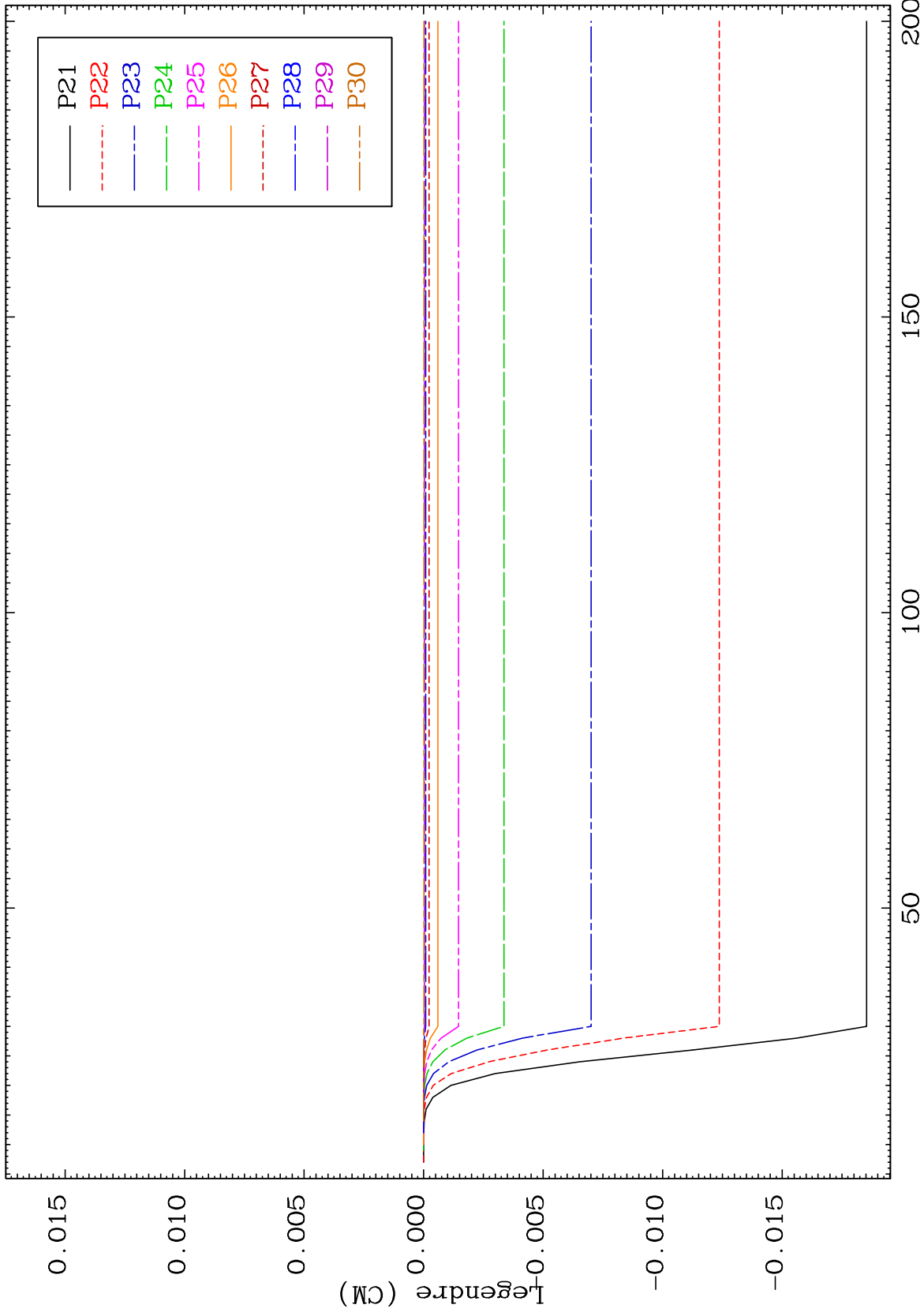
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

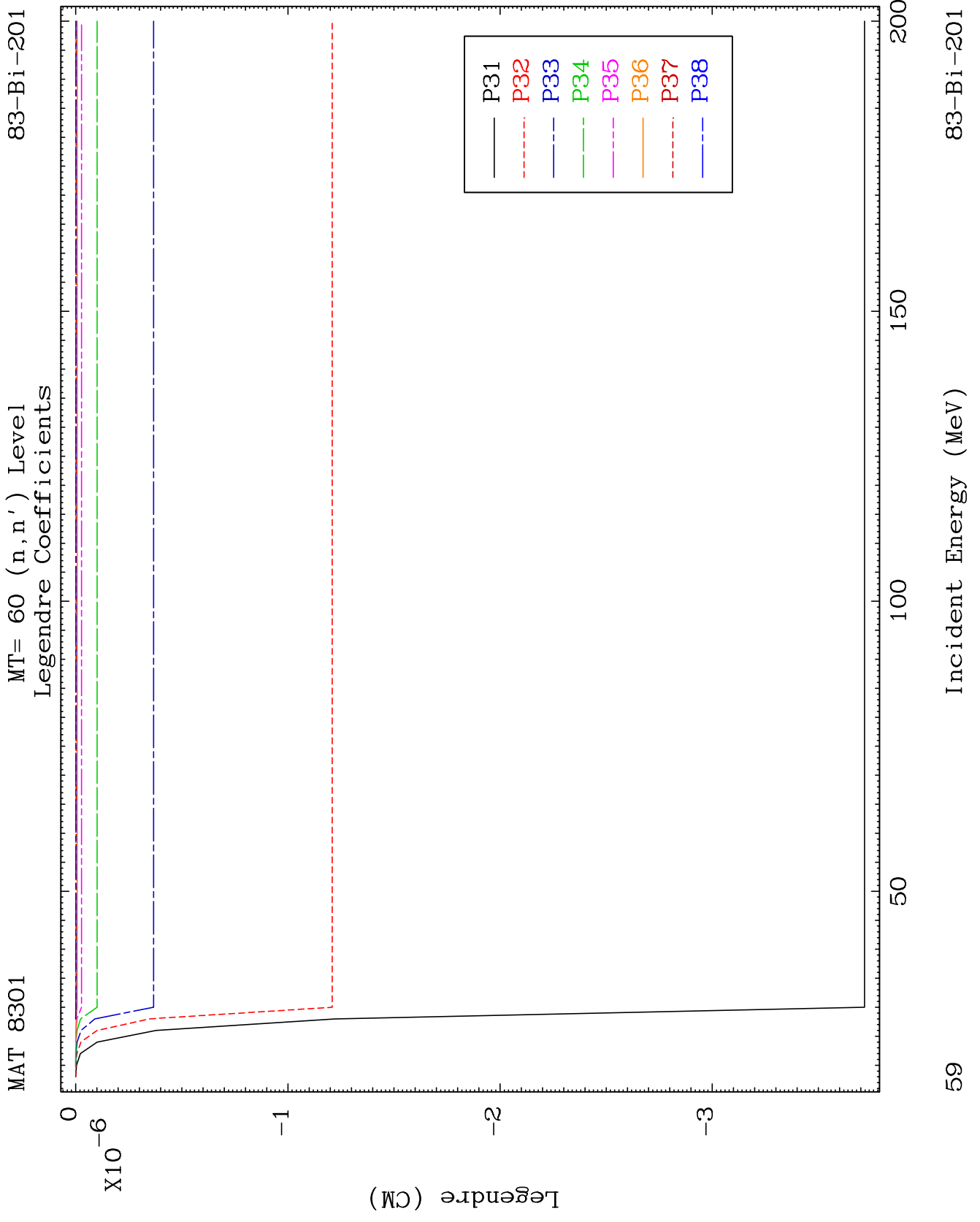
83-Bi-201

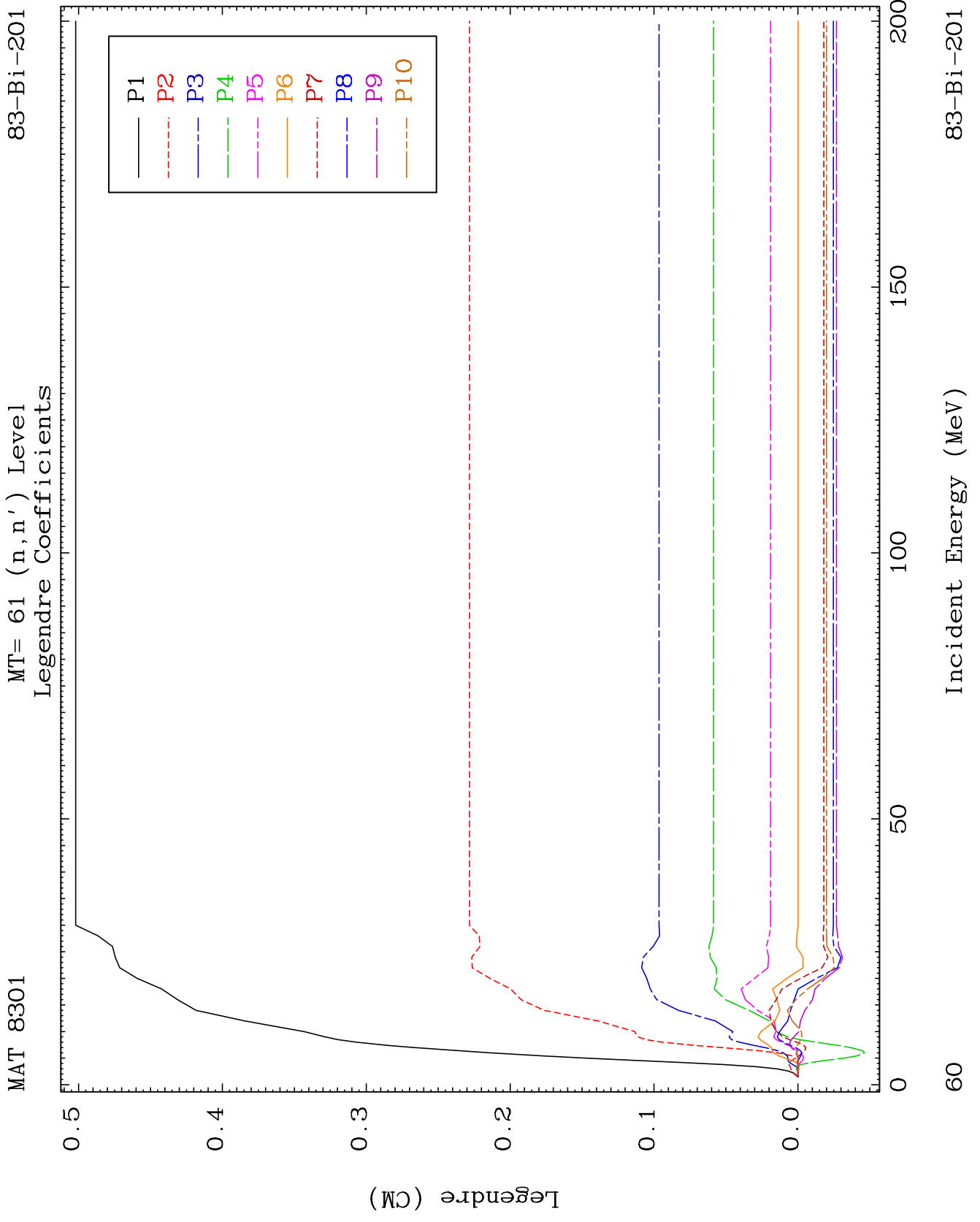


58

Incident Energy (MeV)

83-Bi-201

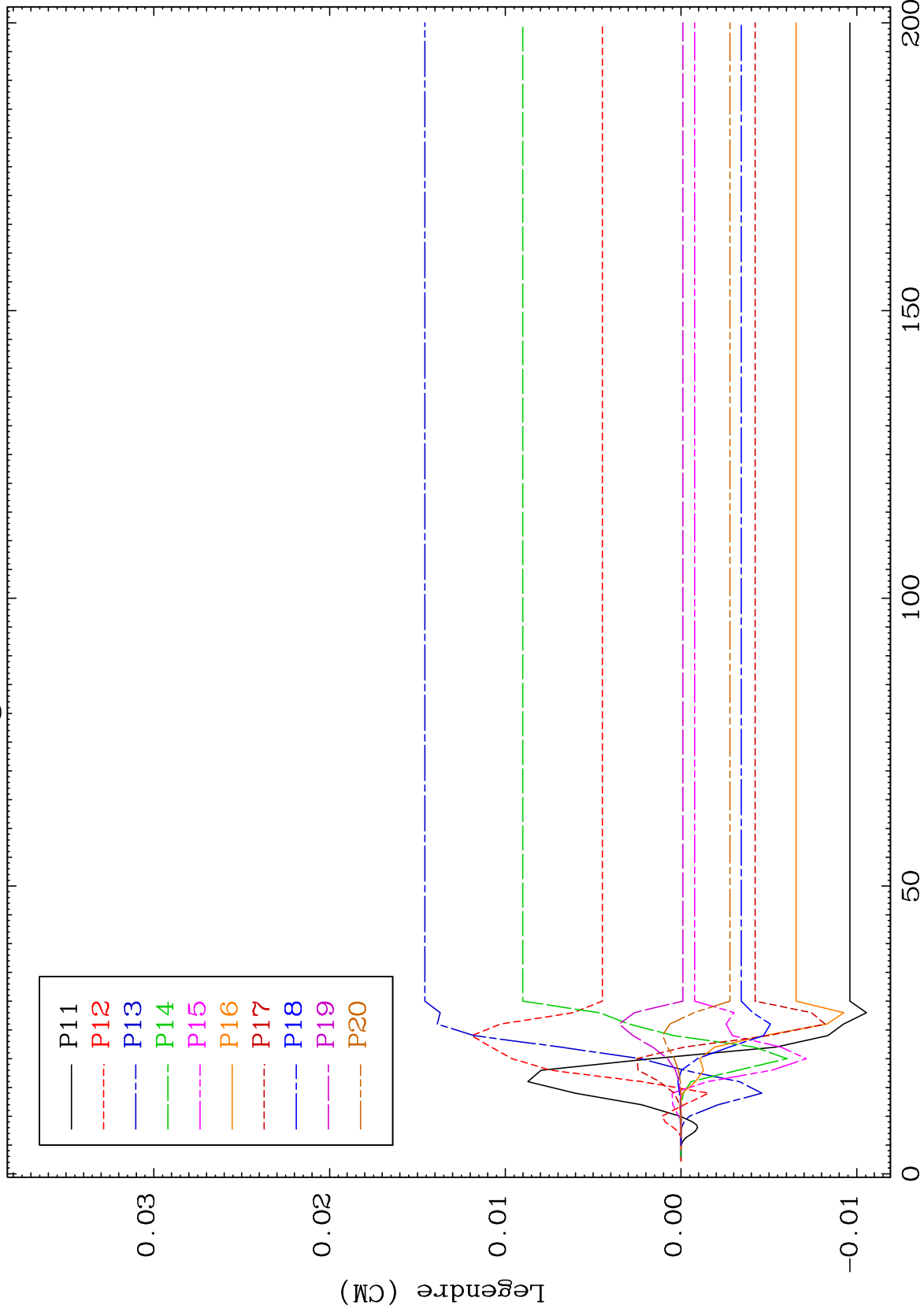




MAT 8301

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

83-Bi-201



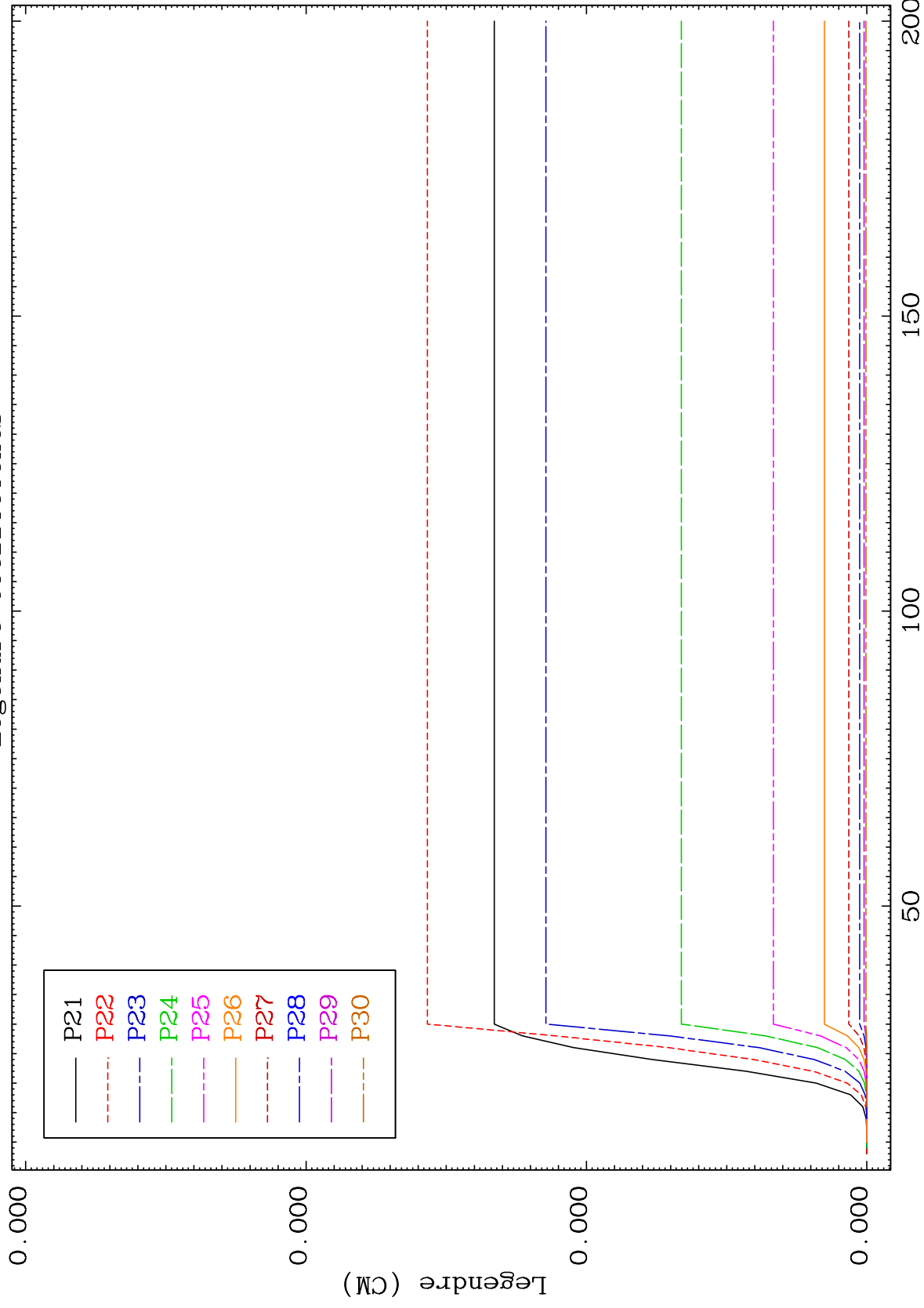
61

83-Bi-201

MAT 8301

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

83-Bi-201



62

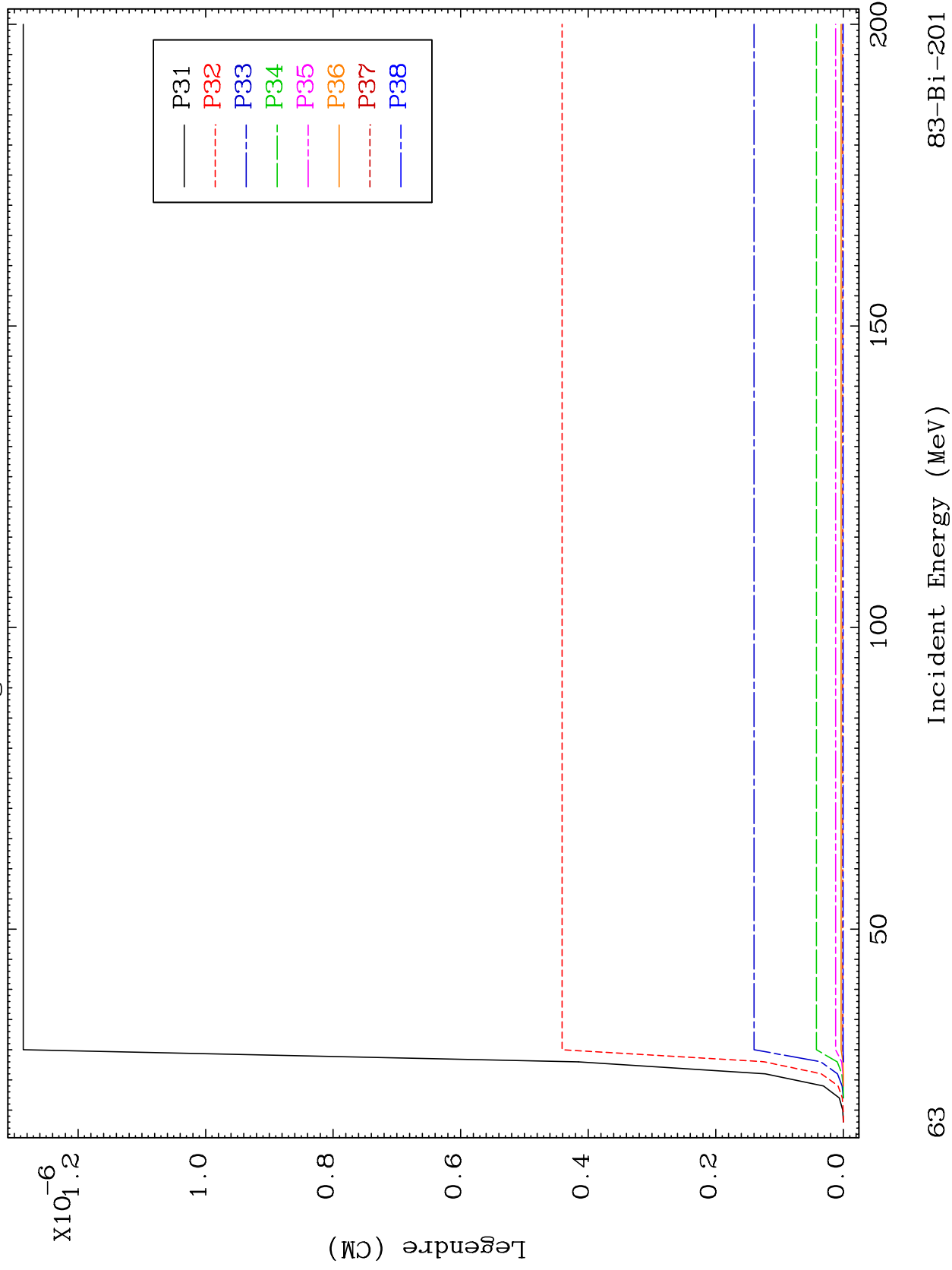
Incident Energy (MeV)

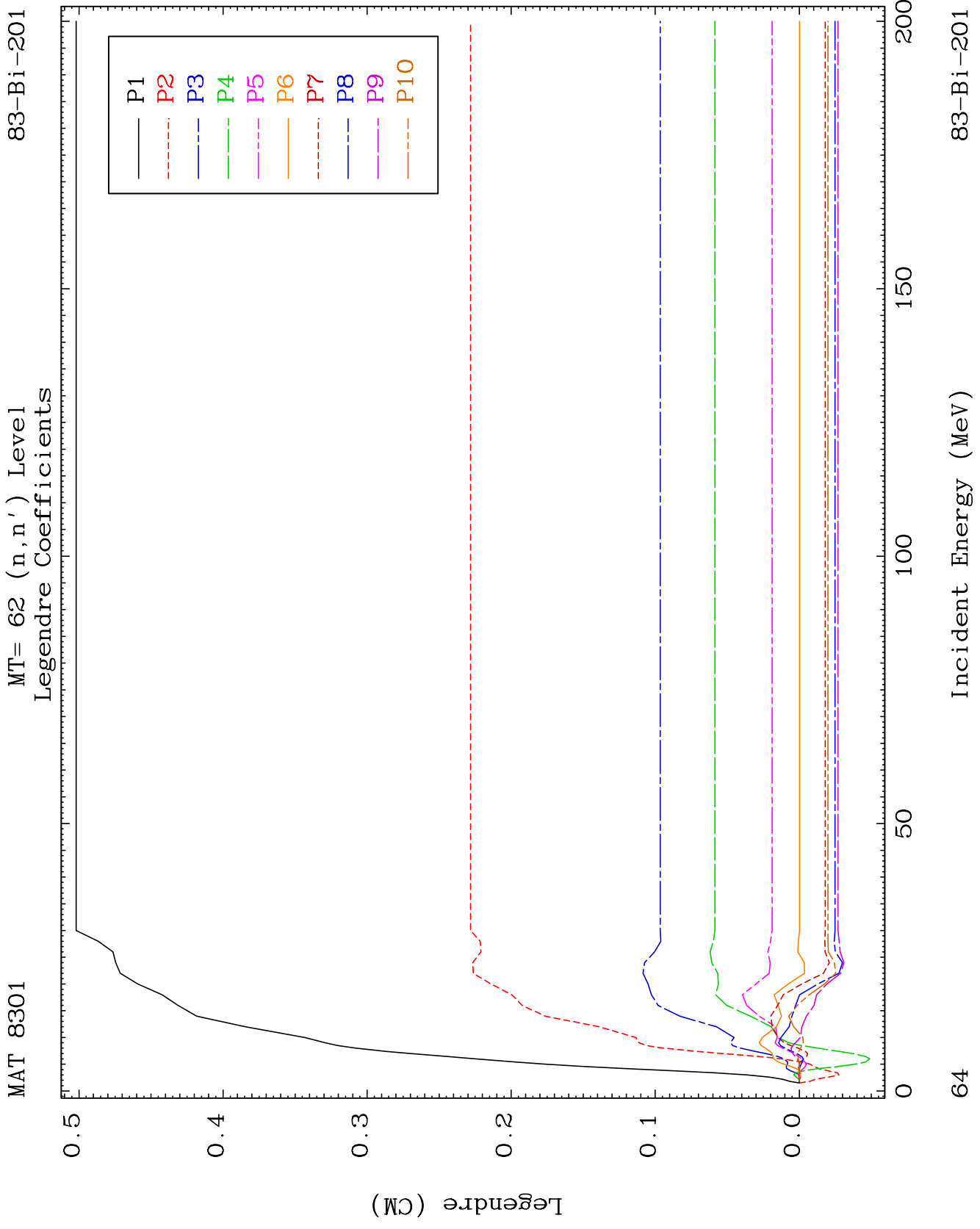
83-Bi-201

MAT 8301

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

83-Bi-201

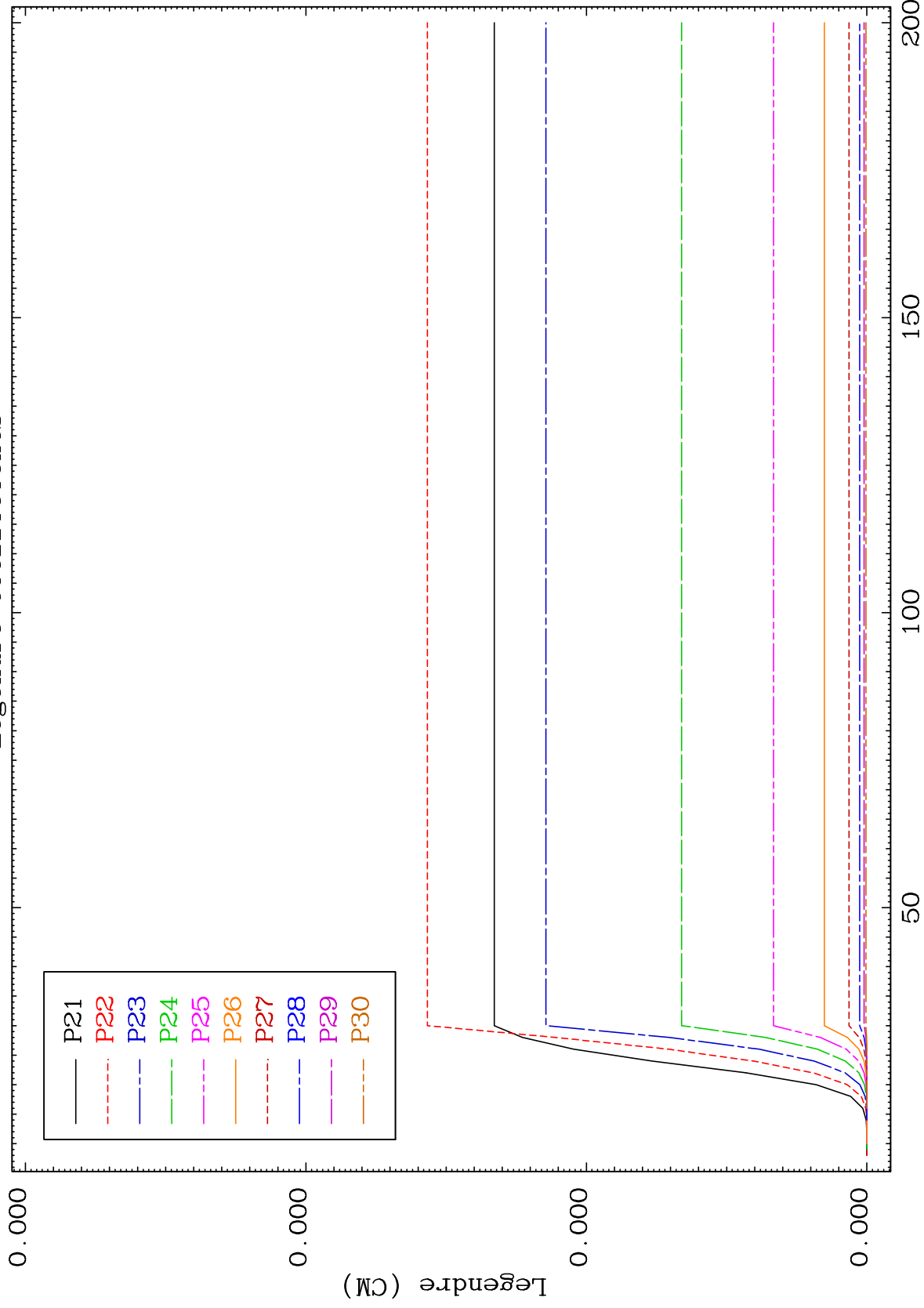




MAT 8301

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

83-Bi-201



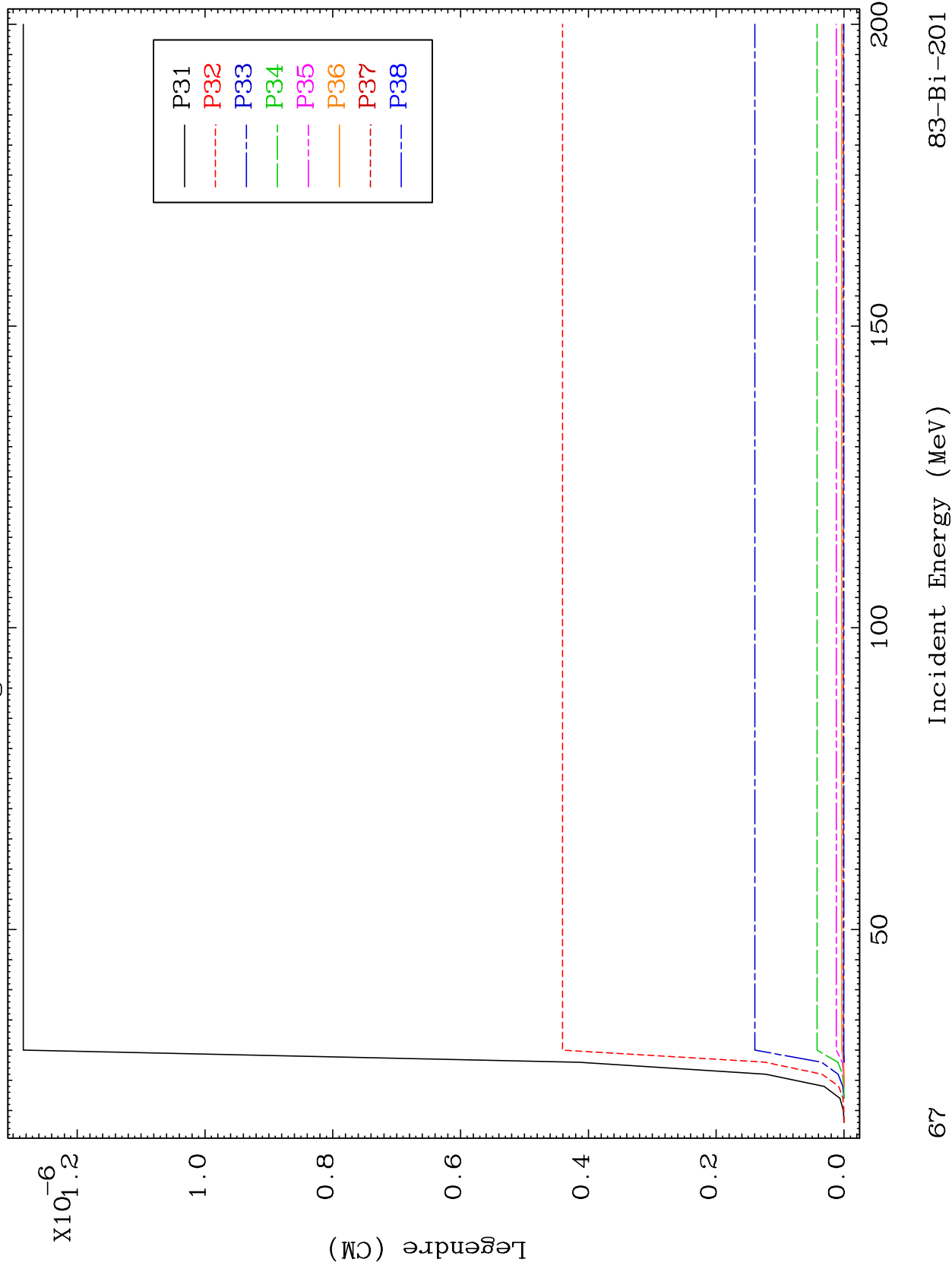
66

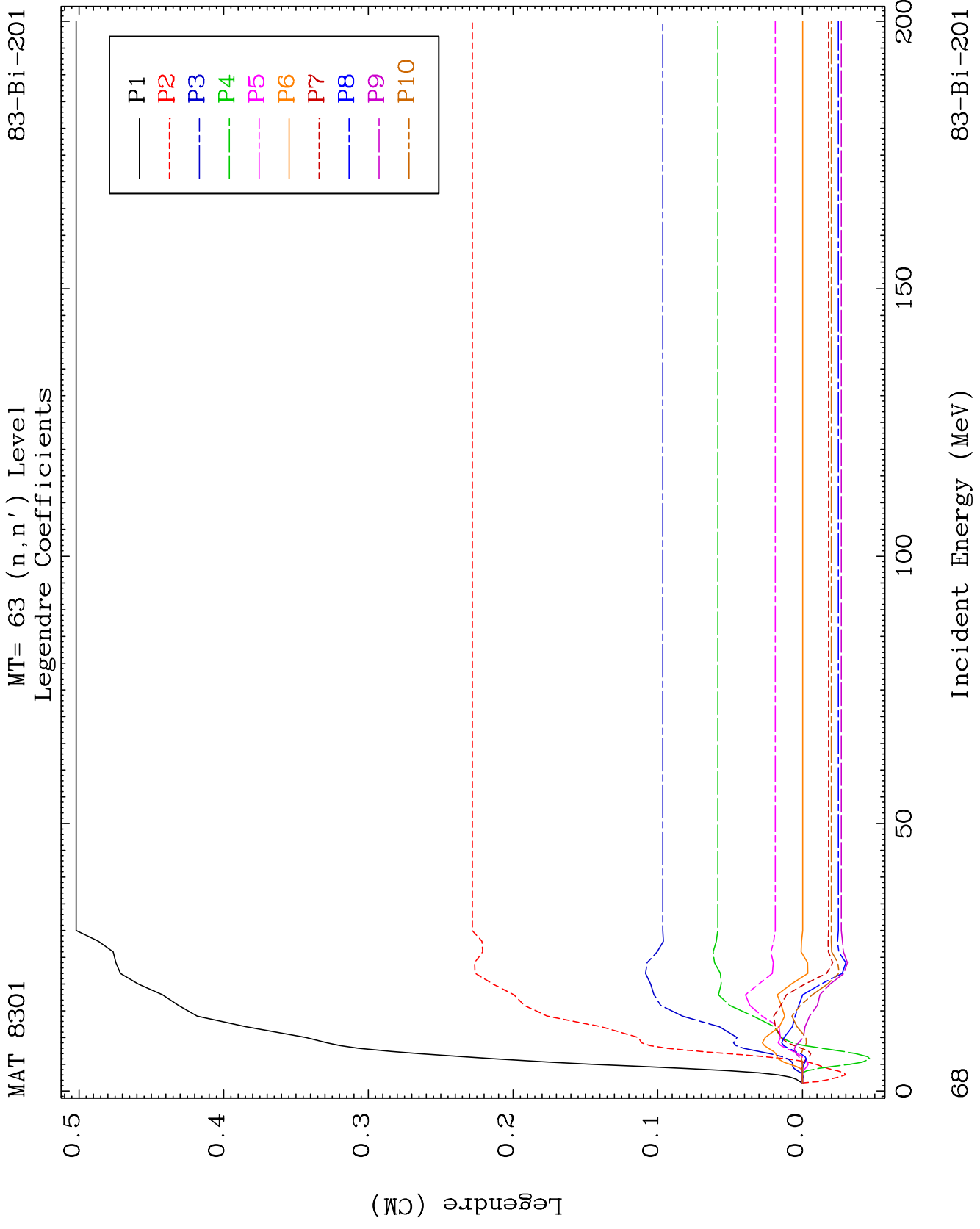
83-Bi-201

MAT 8301

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

83-Bi-201

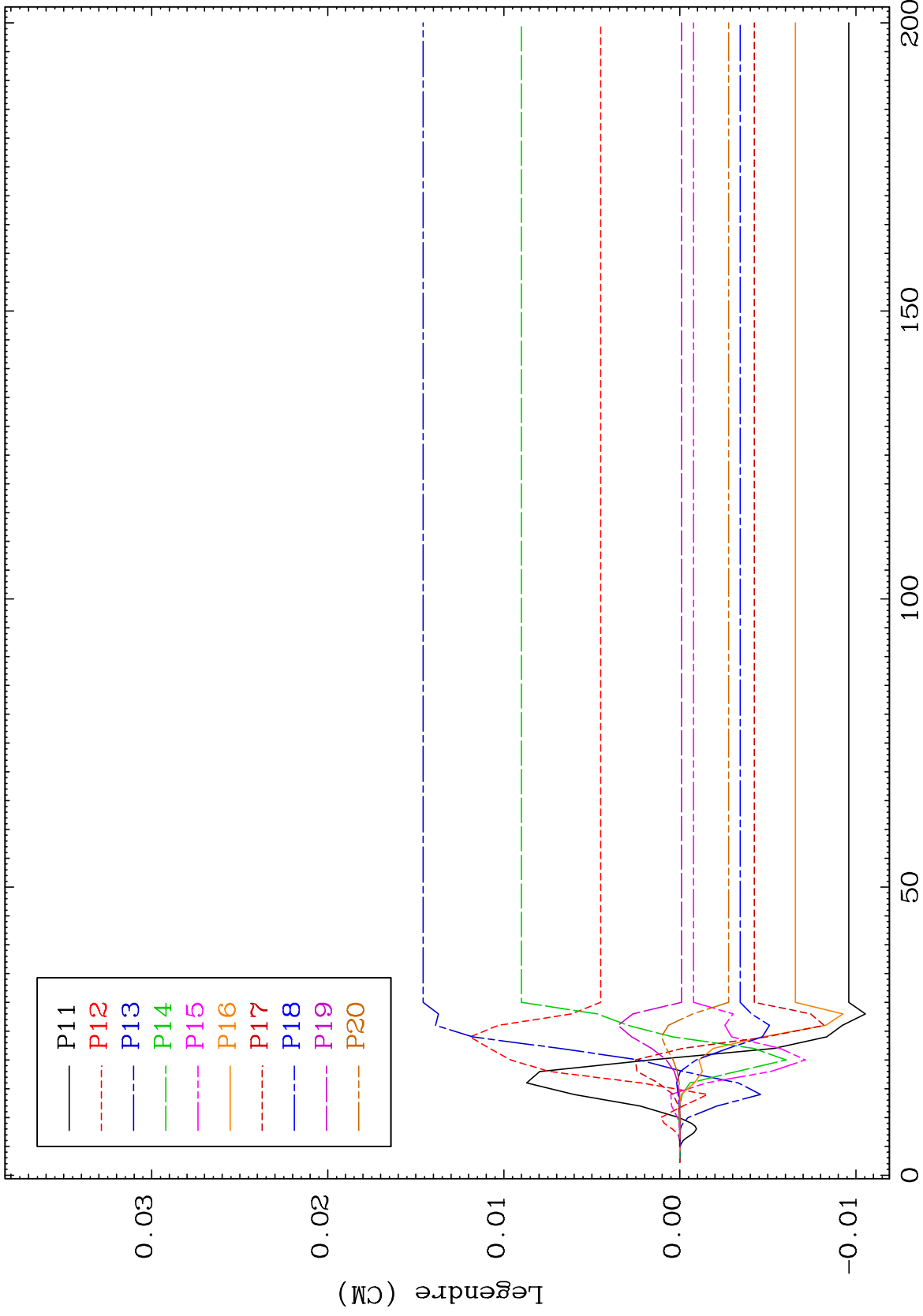




MAT 8301

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

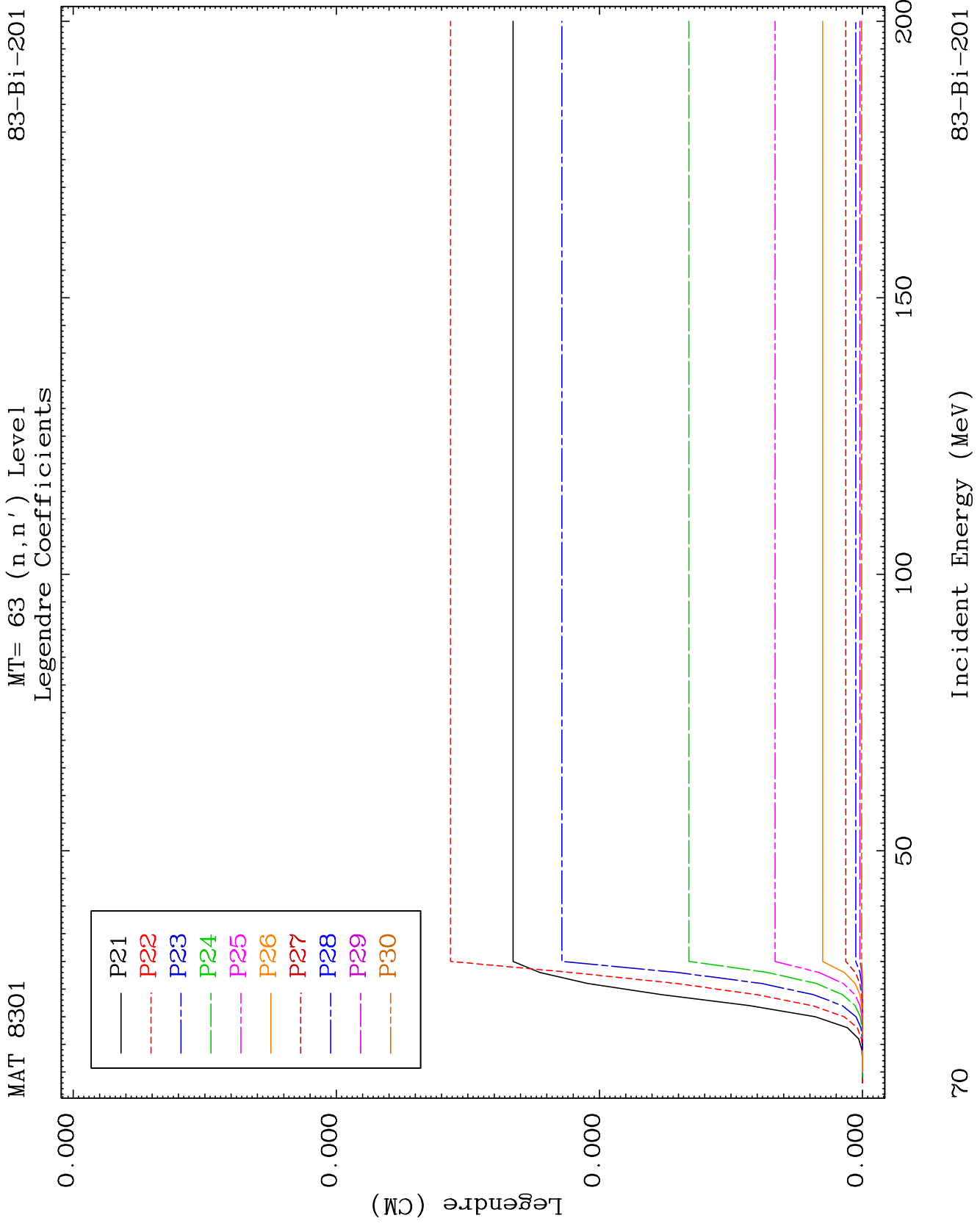
83-Bi-201



69

Incident Energy (MeV)

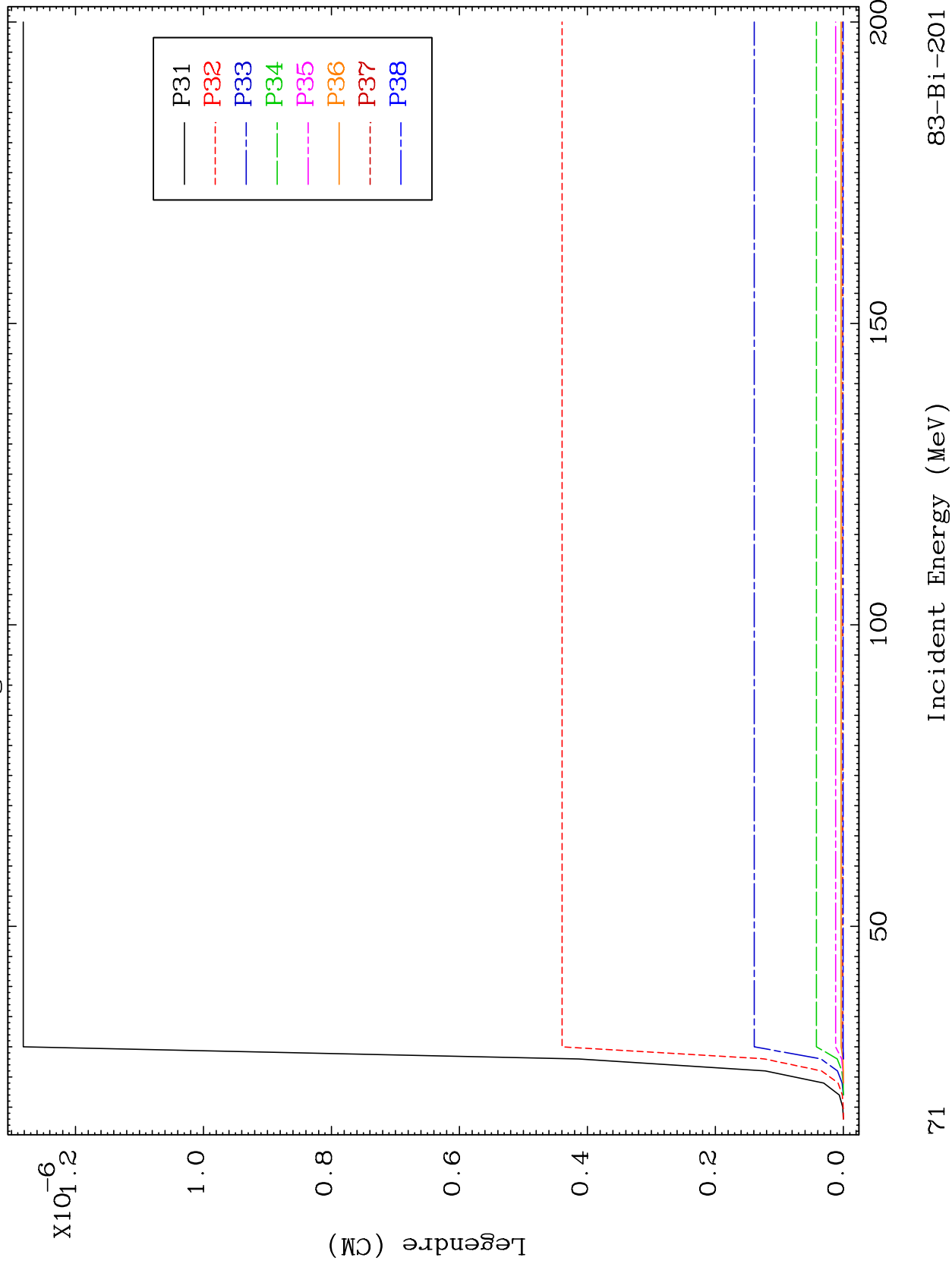
83-Bi-201



MAT 8301

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

83-Bi-201



71

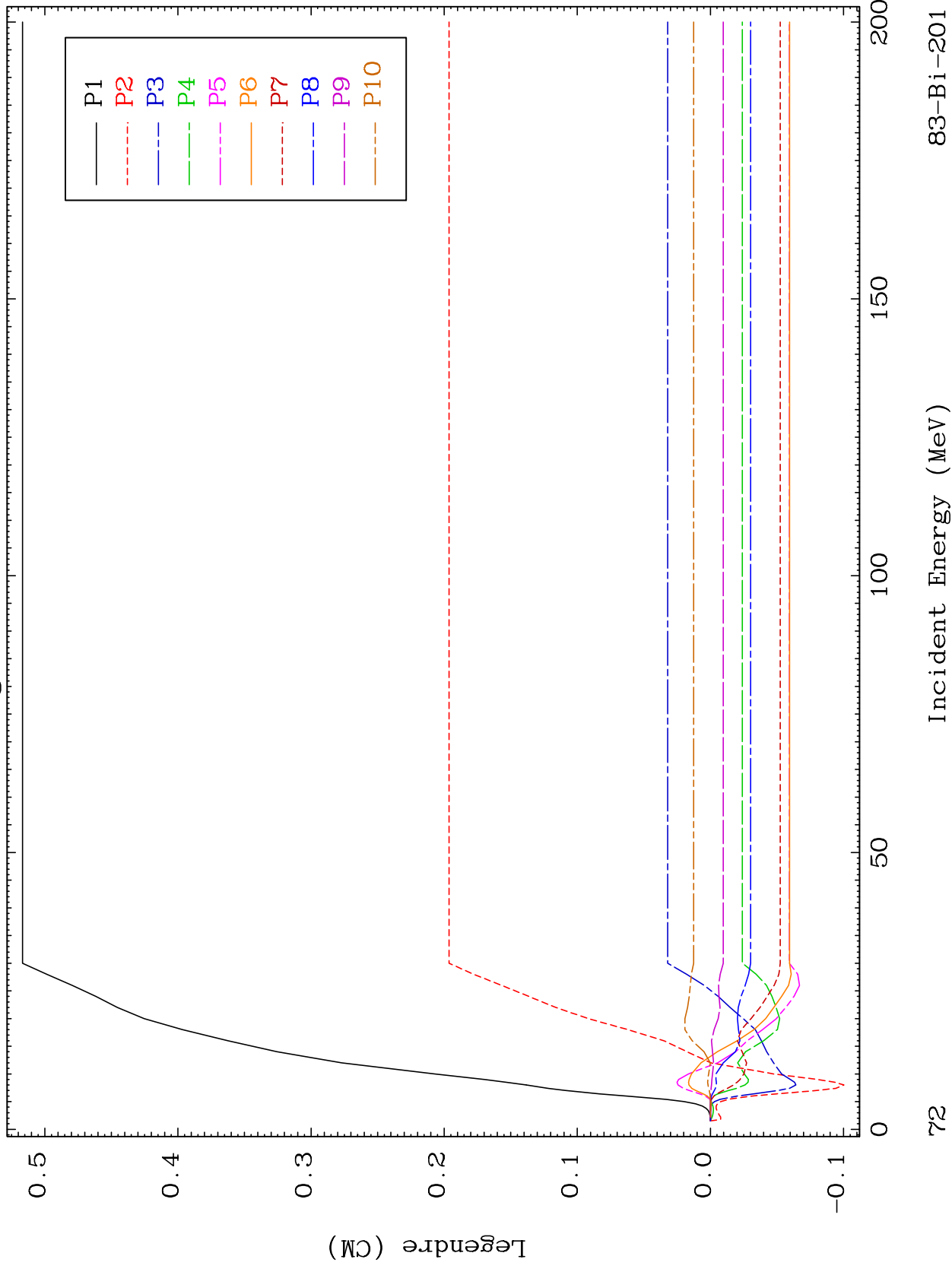
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



83-Bi-201

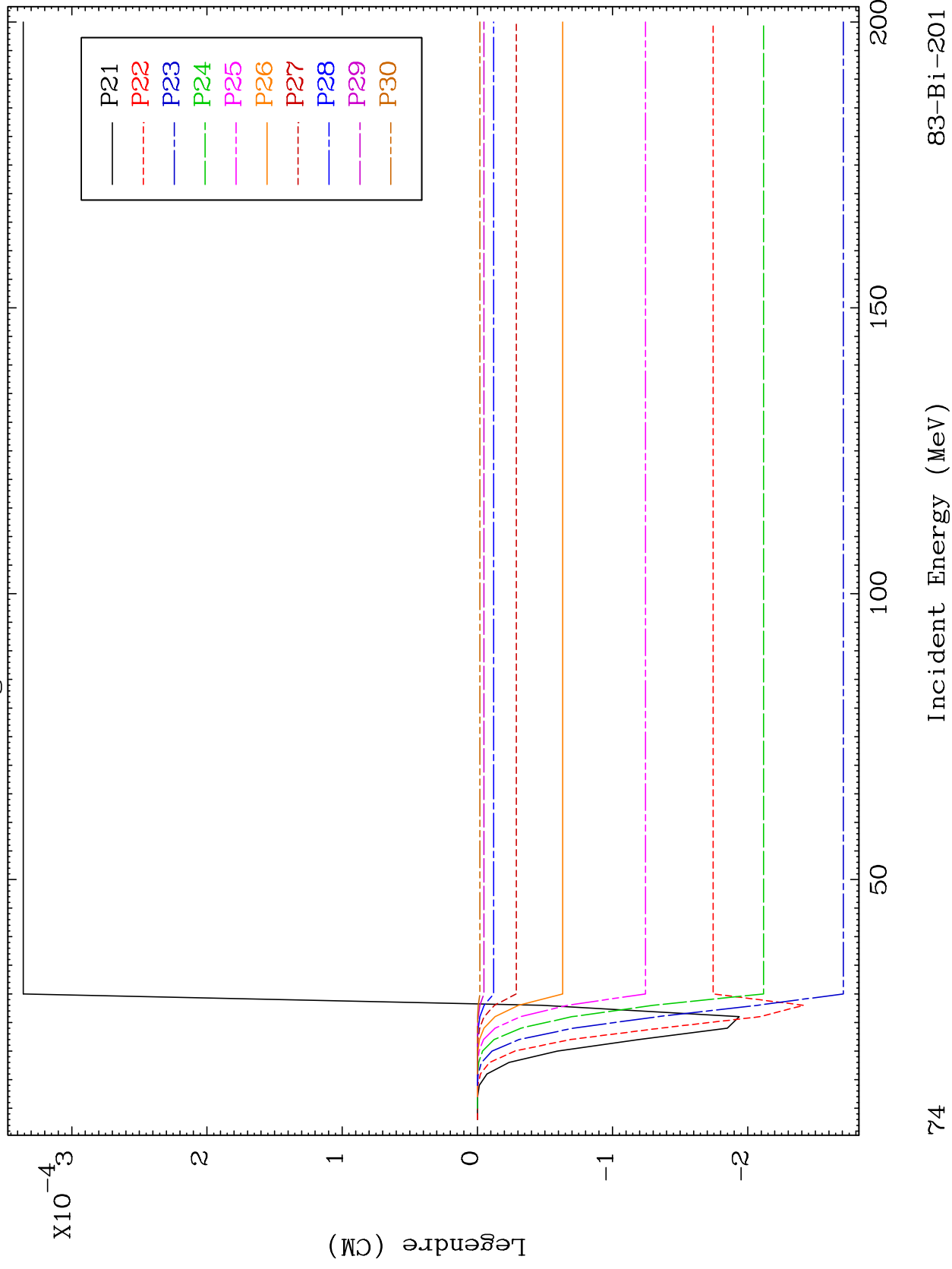
Incident Energy (MeV)

72

MAT 8301

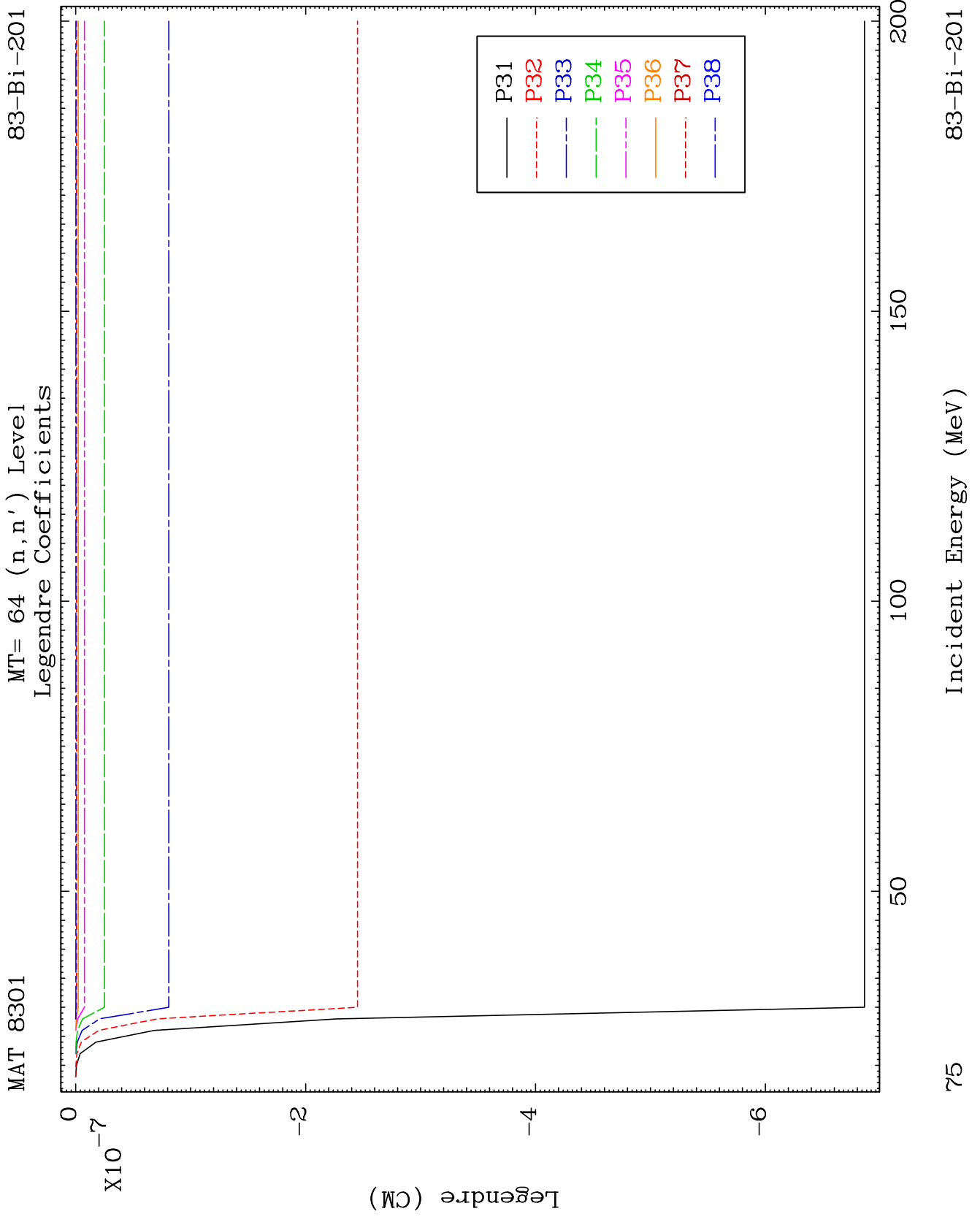
MT= 64 (n,n') Level
Legendre Coefficients

83-Bi-201



74

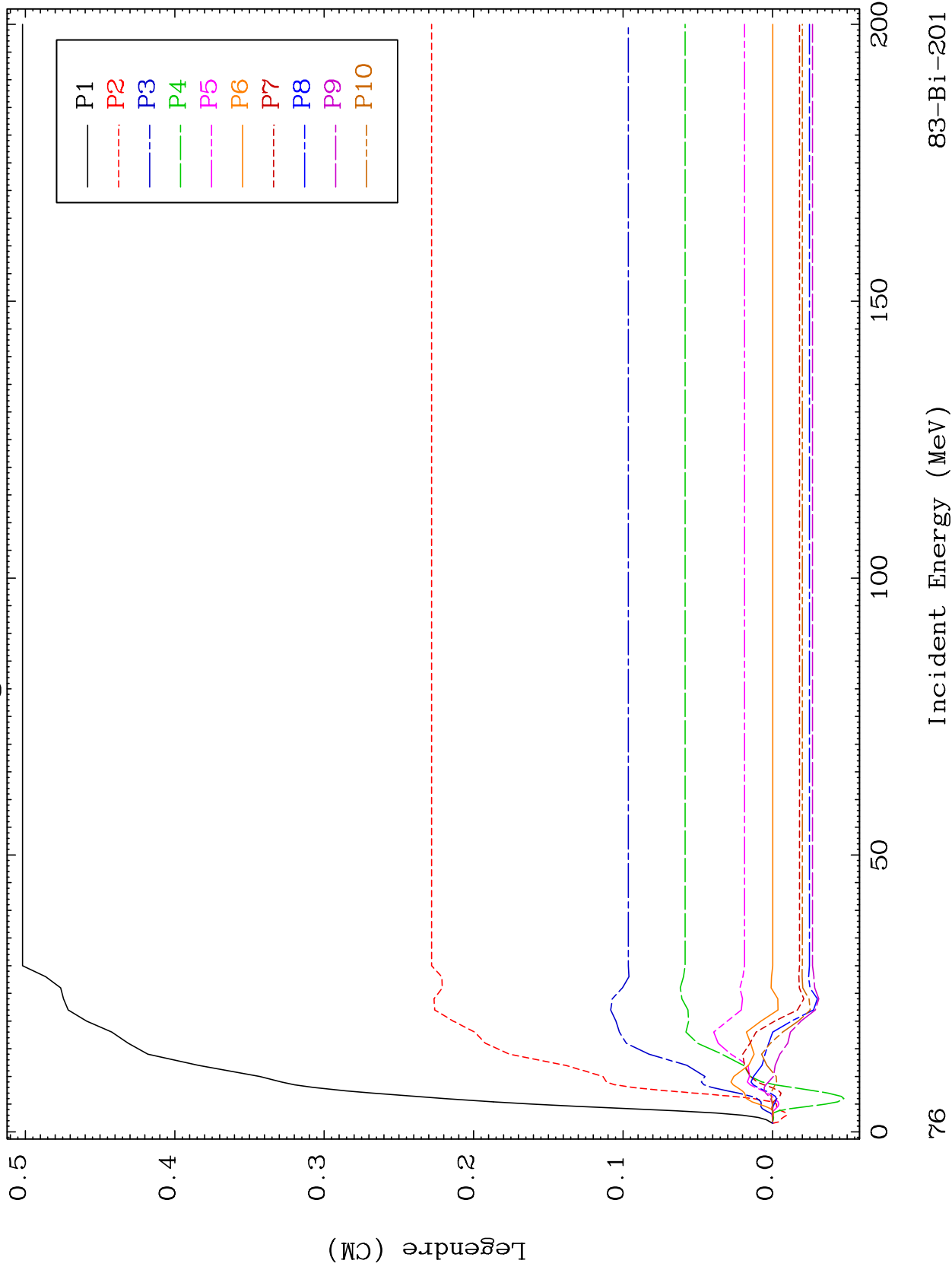
83-Bi-201



MAT 8301

83-Bi-201

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



76

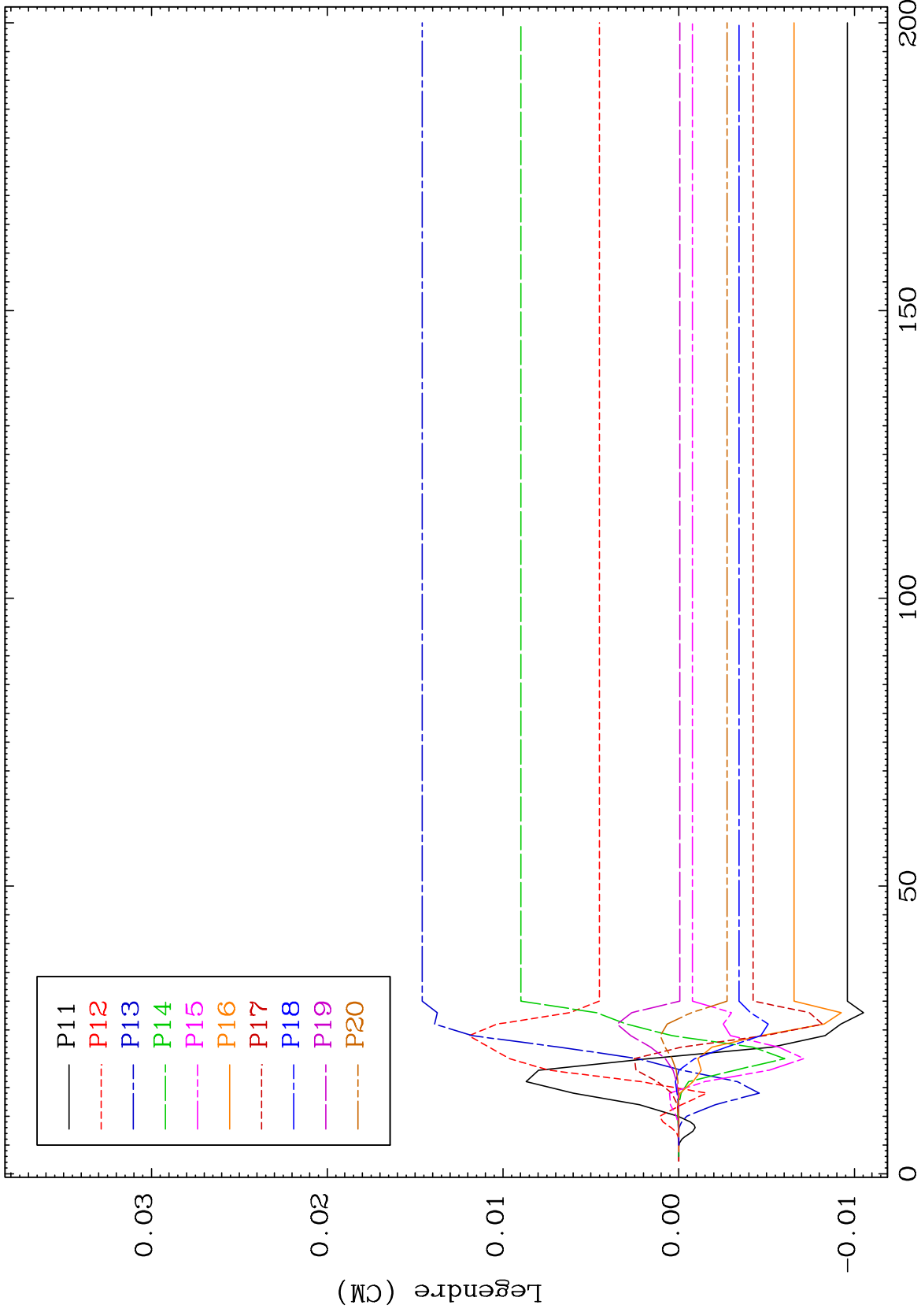
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



77

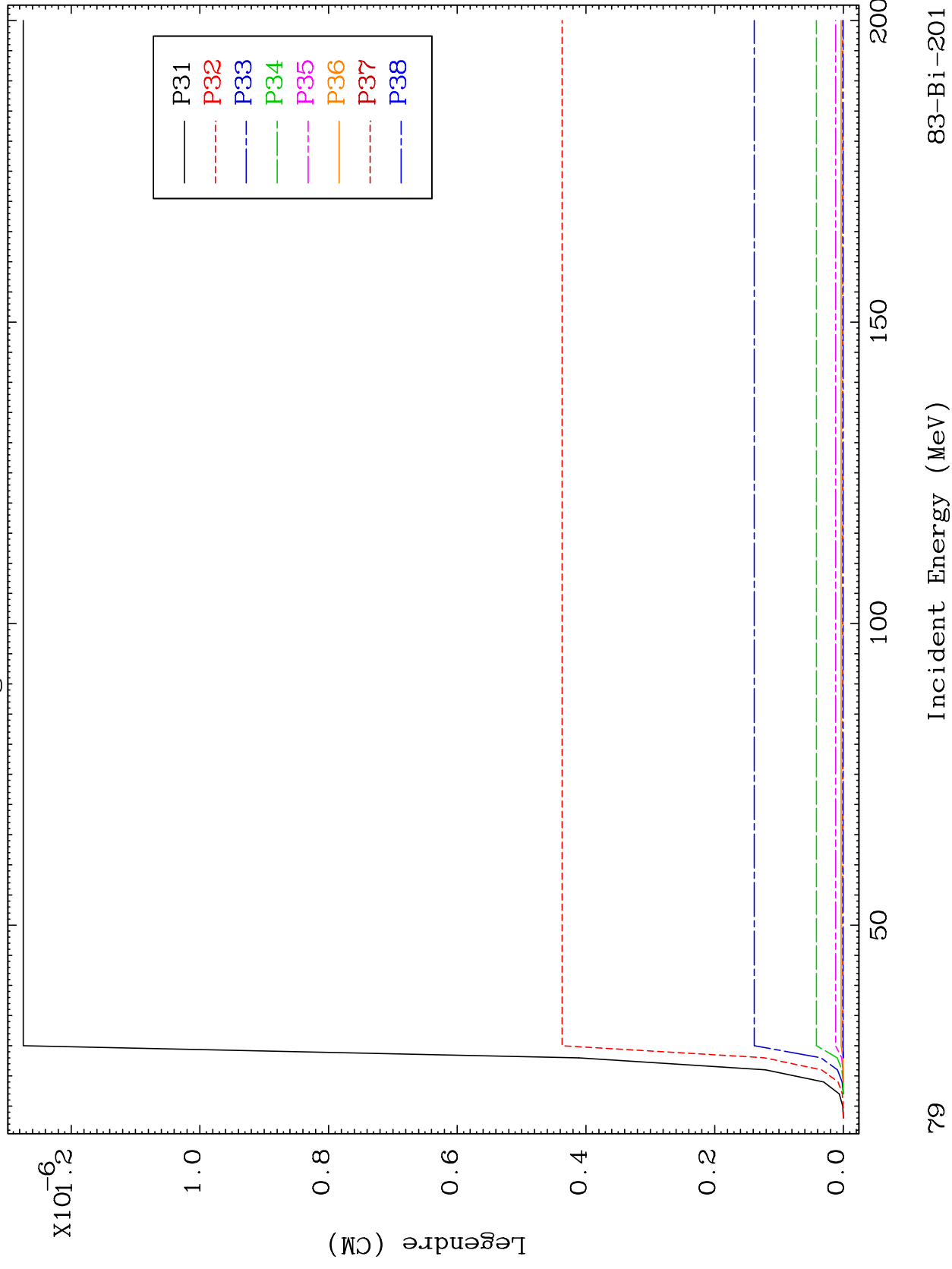
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

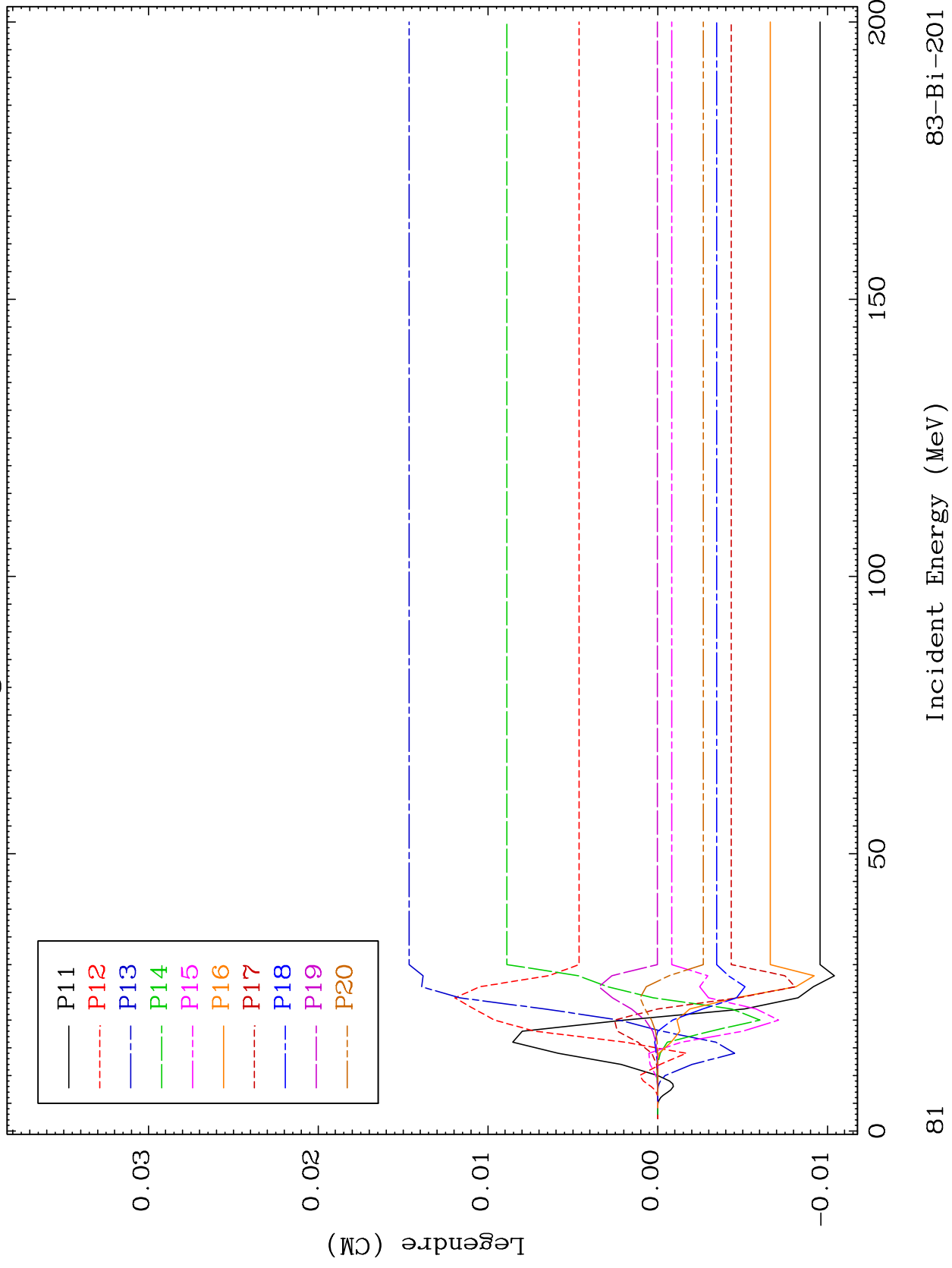
83-Bi-201



MAT 8301

83-Bi-201

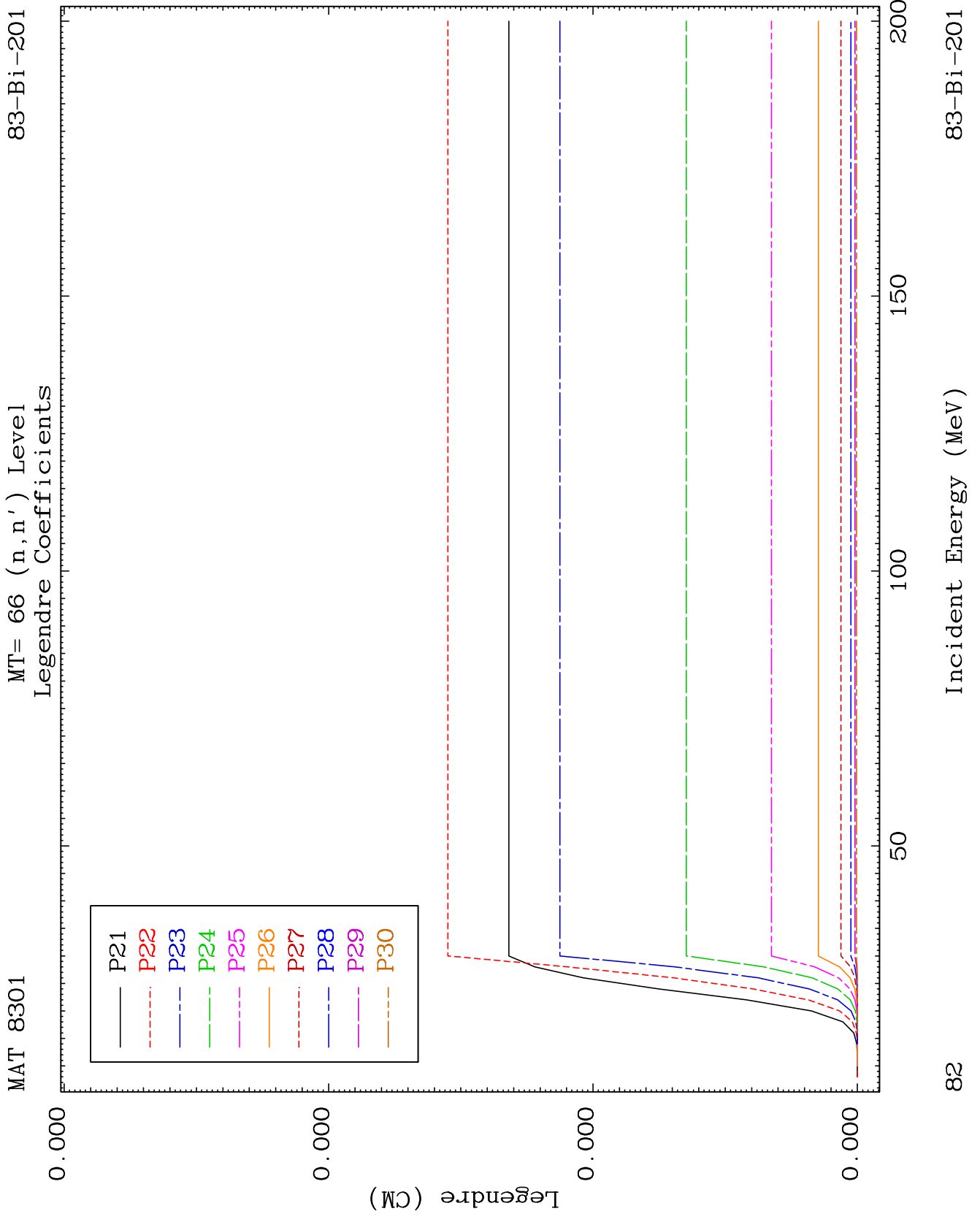
MT= 66 (n,n') Level
Legendre Coefficients



81

83-Bi-201

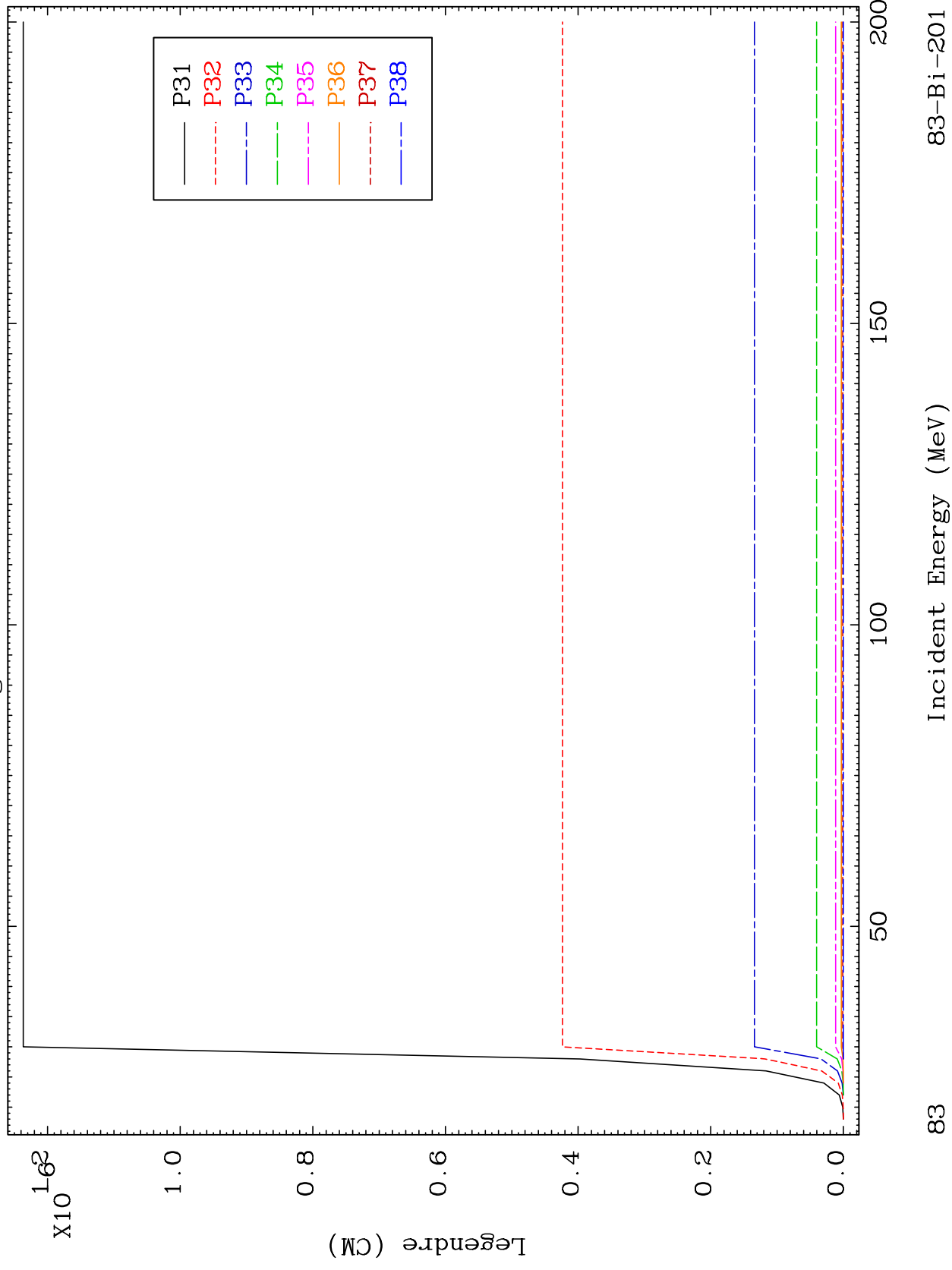
Incident Energy (MeV)



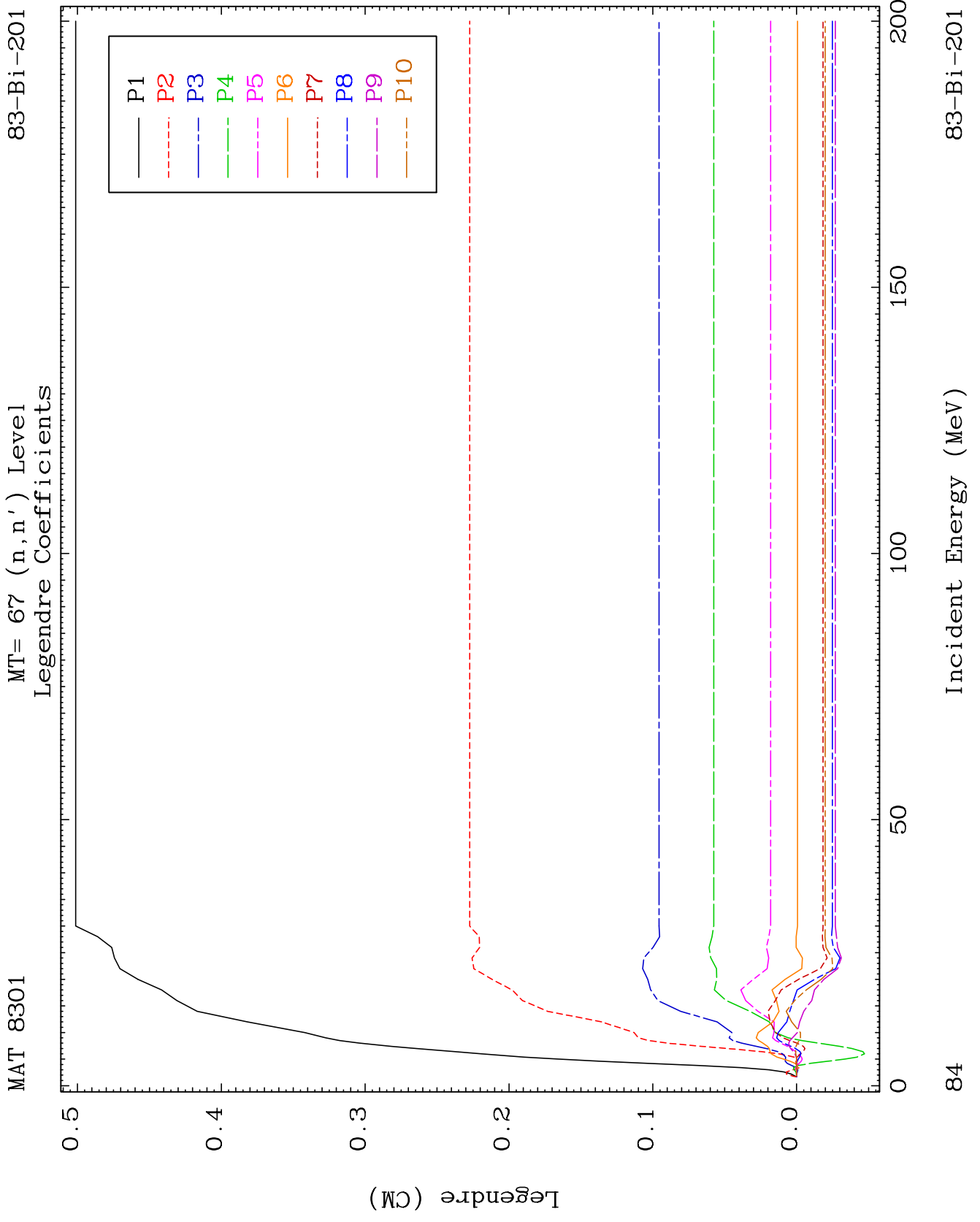
MAT 8301

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

83-Bi-201



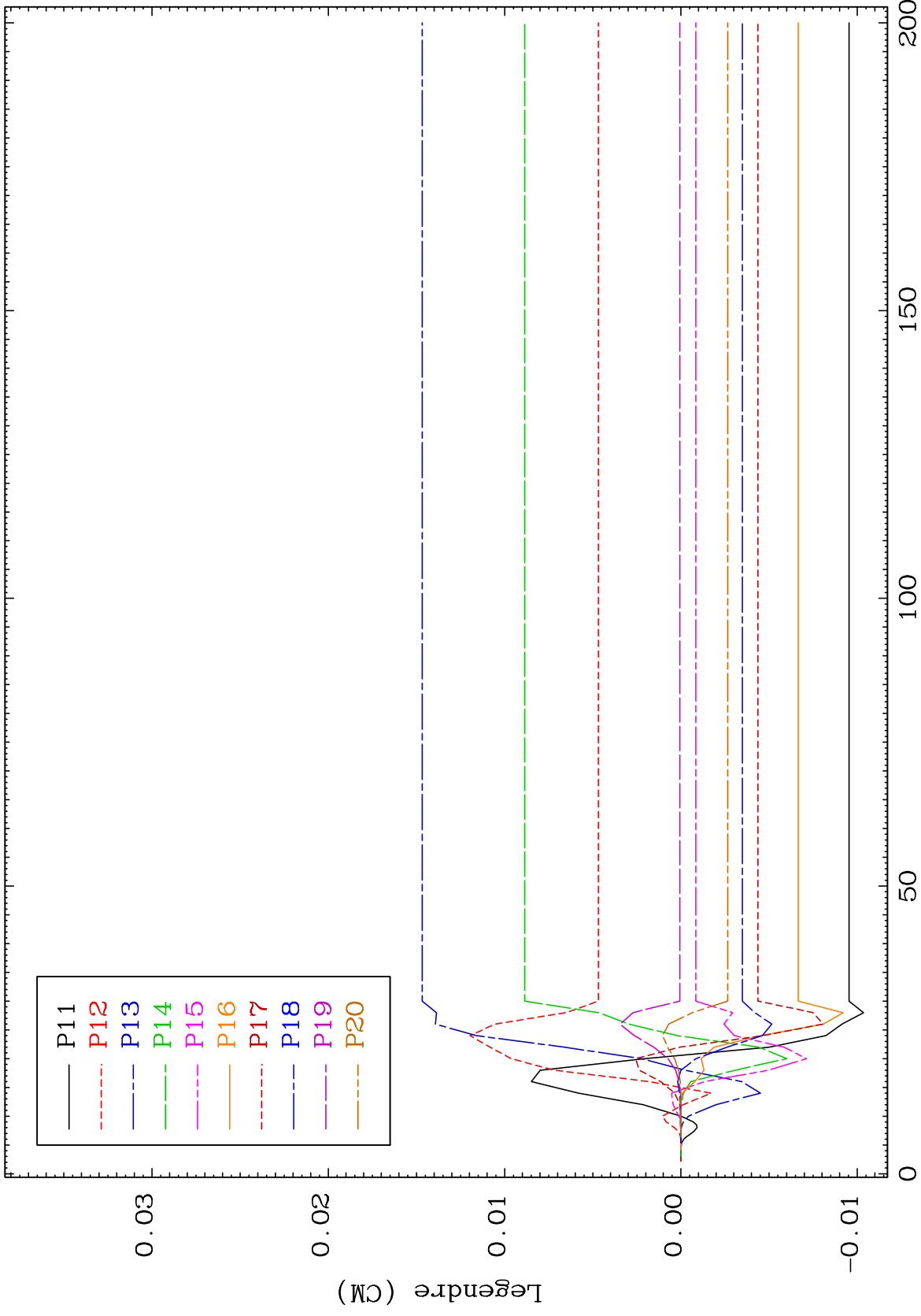
83



MAT 8301

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

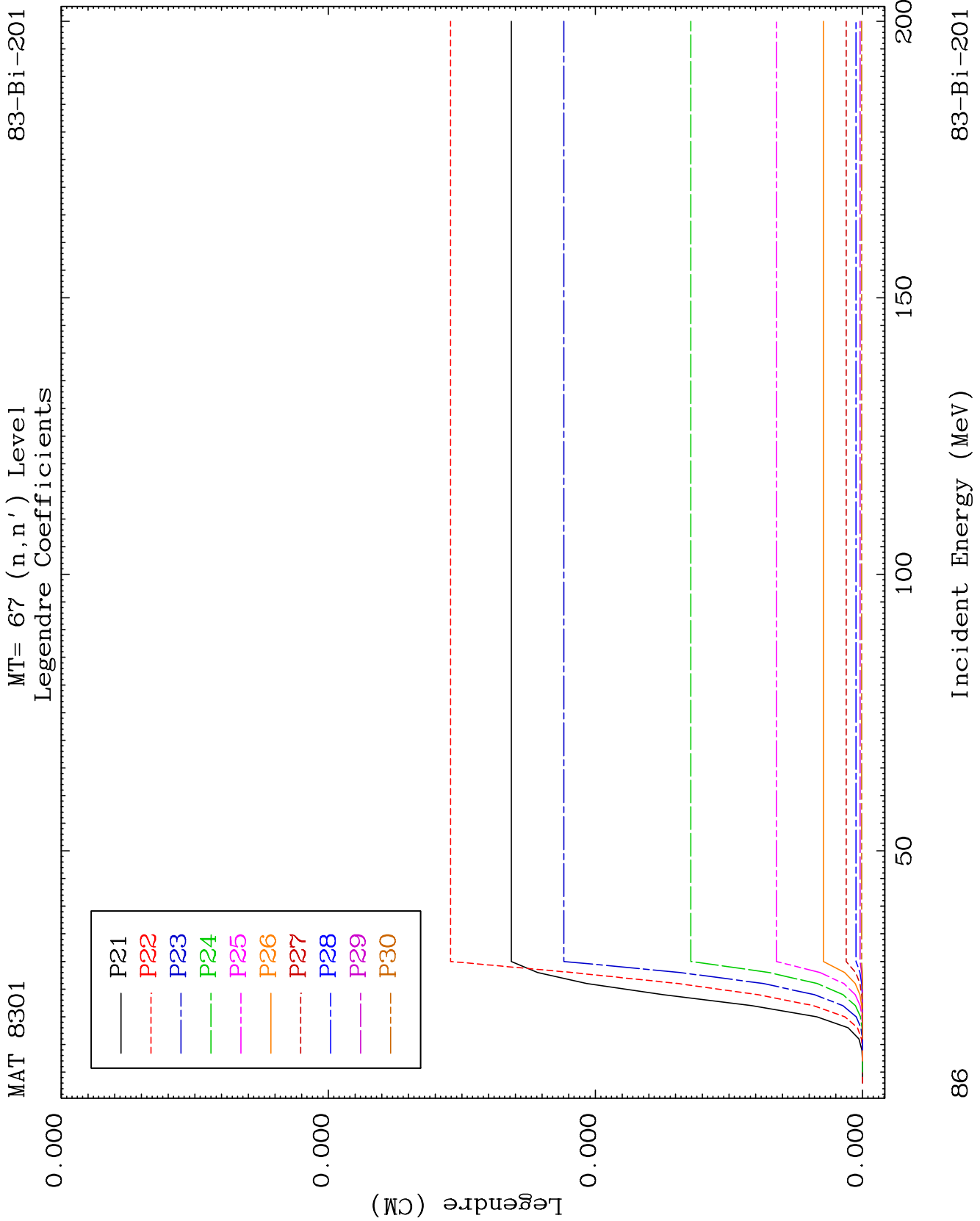
83-Bi-201



85

Incident Energy (MeV)

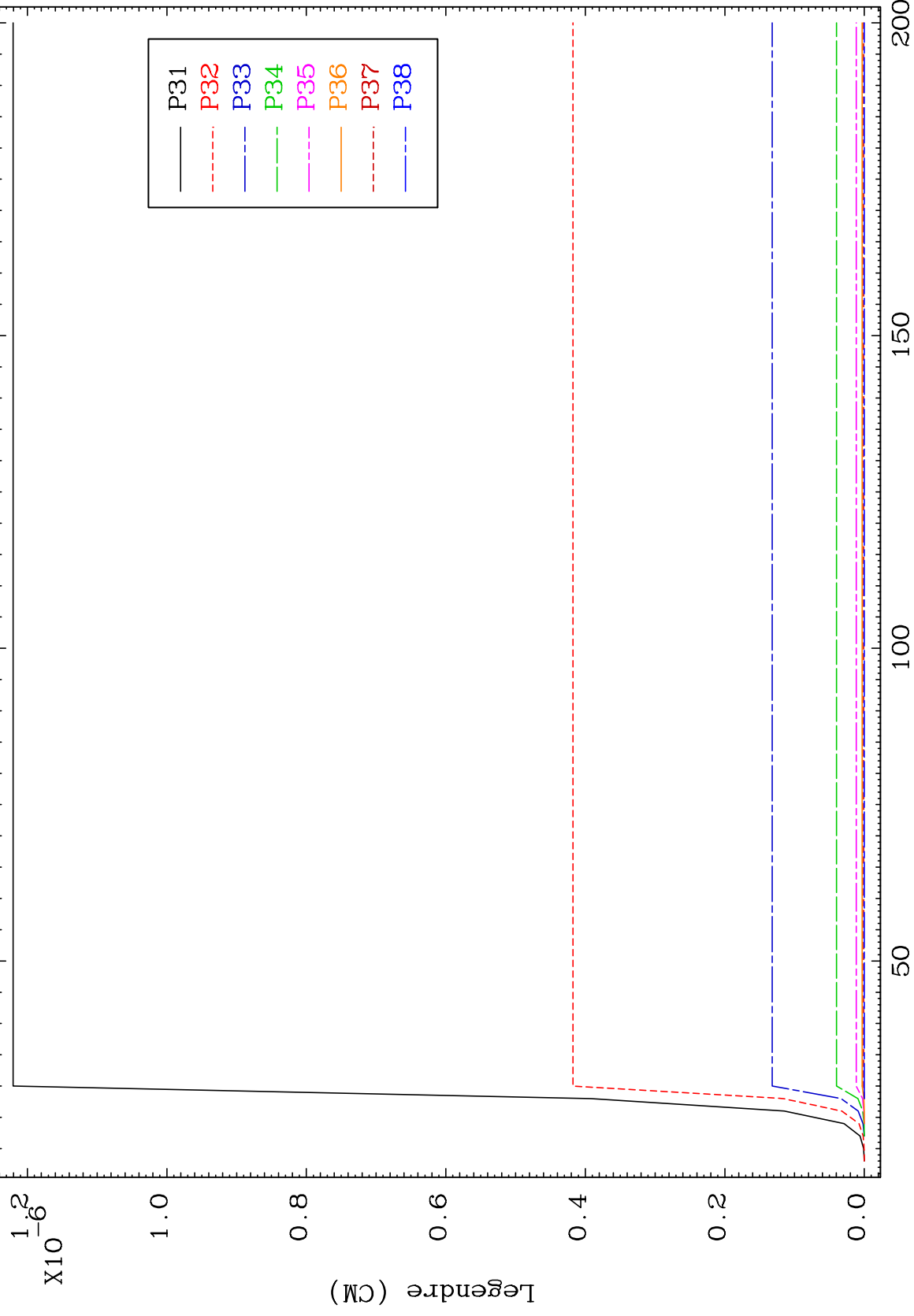
83-Bi-201



MAT 8301

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

83-Bi-201



87

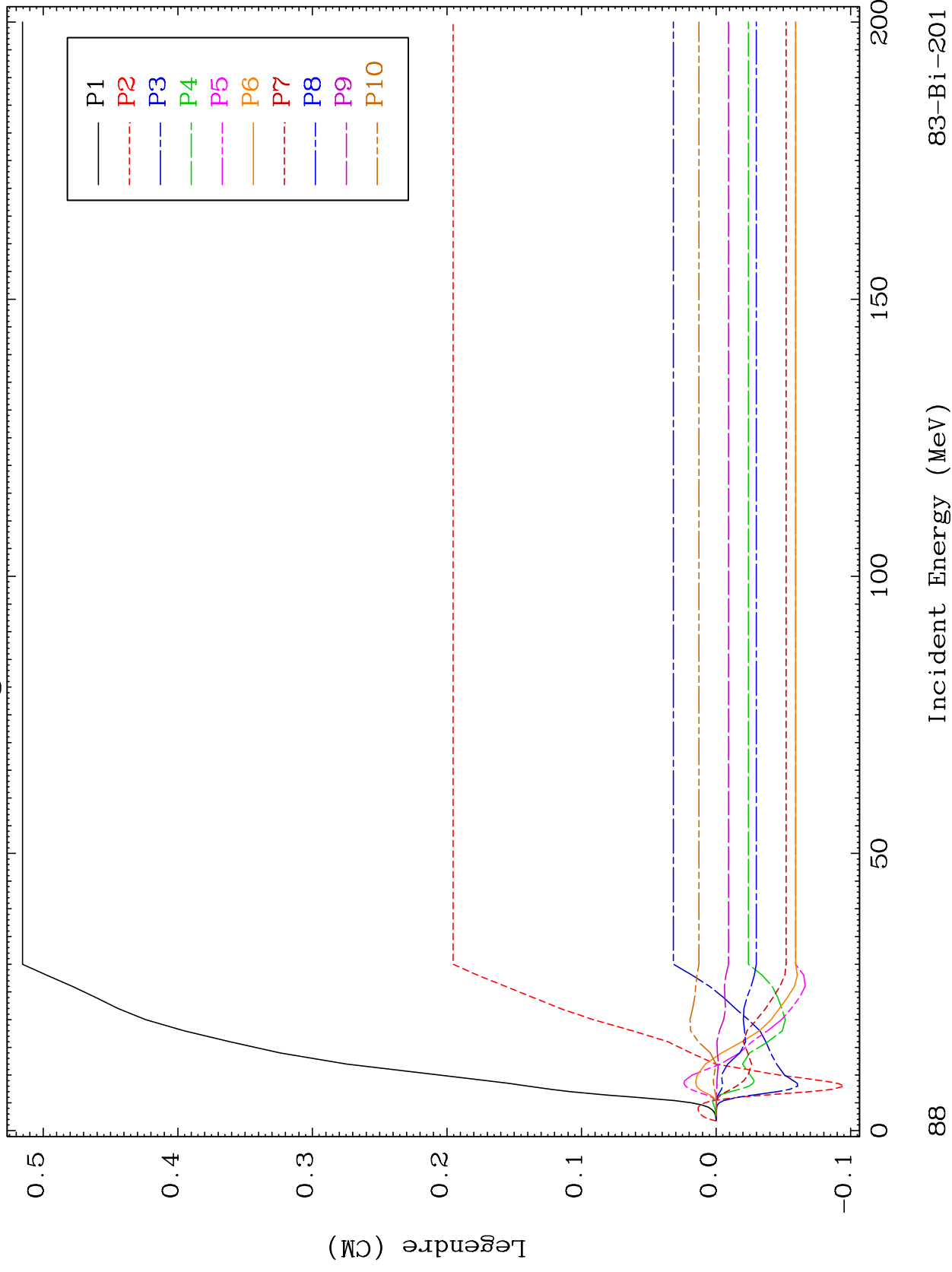
Incident Energy (MeV)

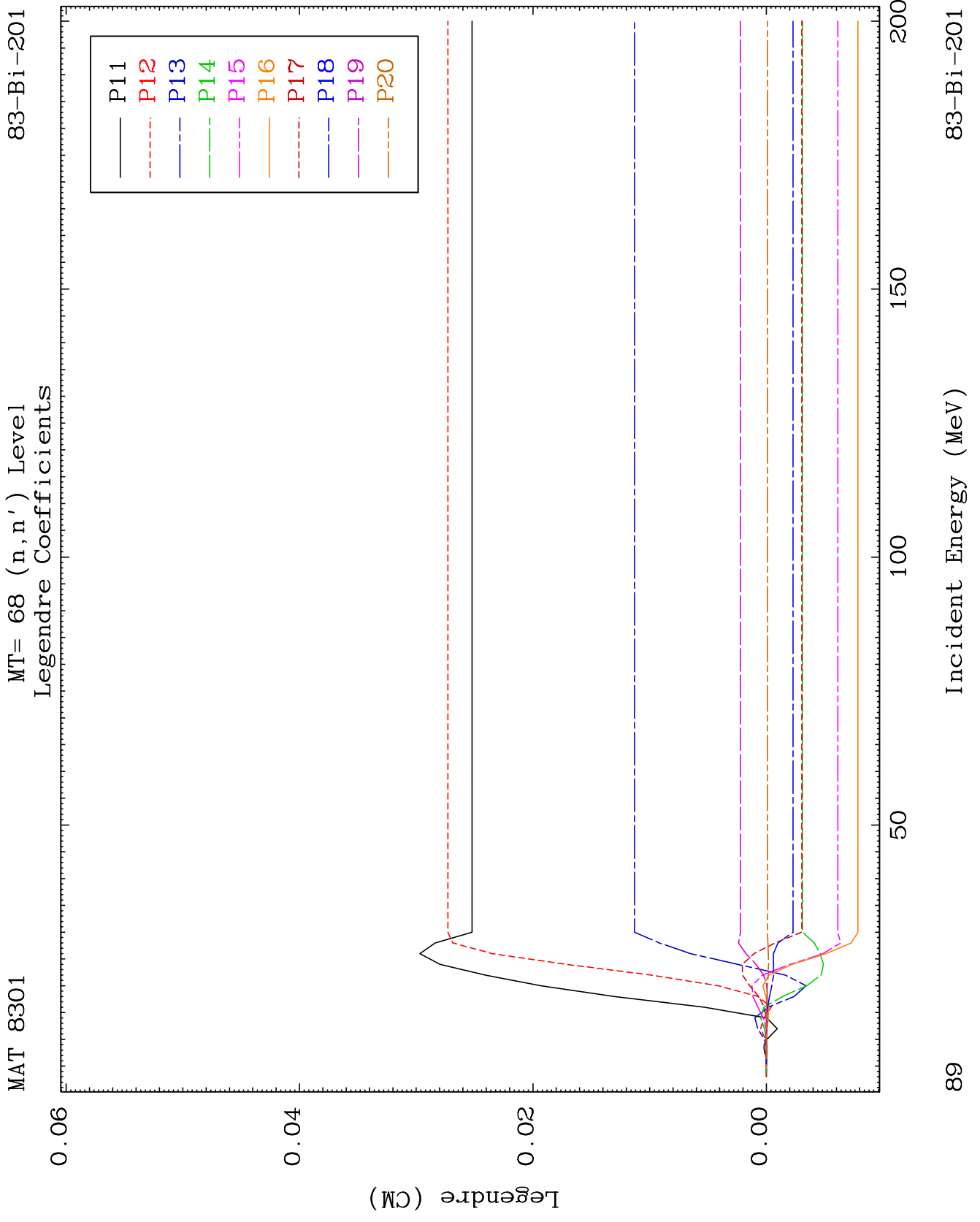
83-Bi-201

MAT 8301

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

83-Bi-201

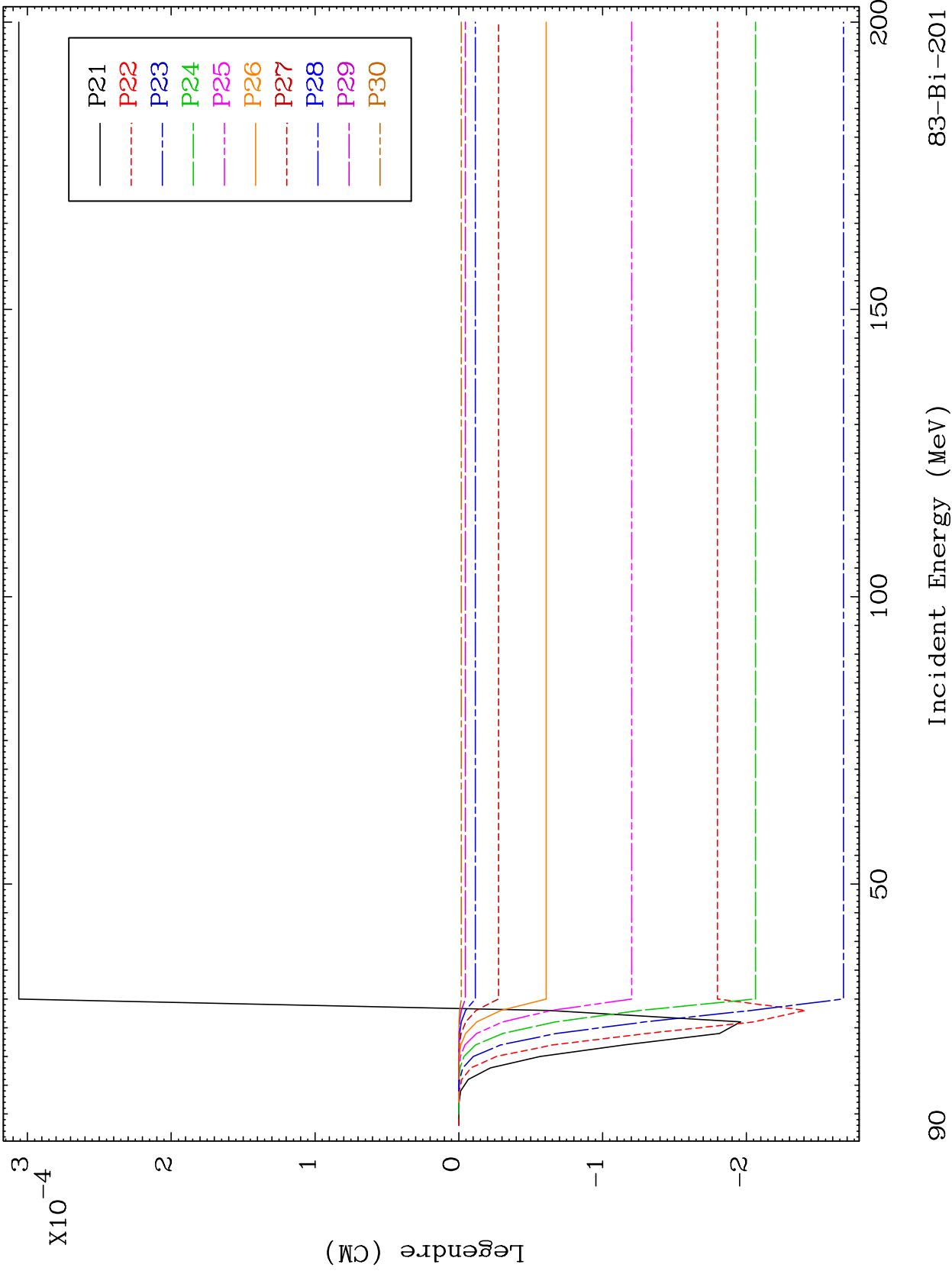




MAT 8301

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

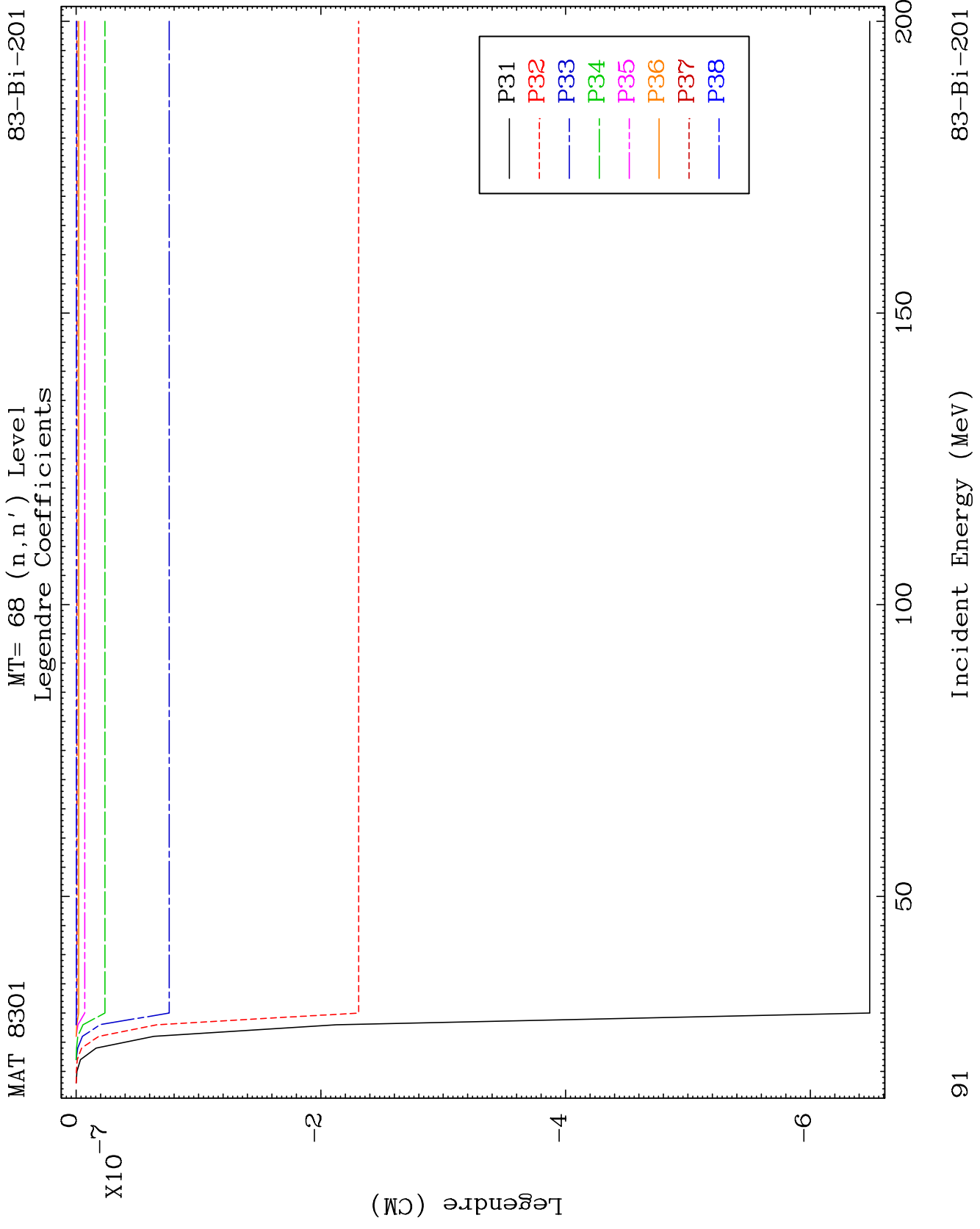
83-Bi-201



90

Incident Energy (MeV)

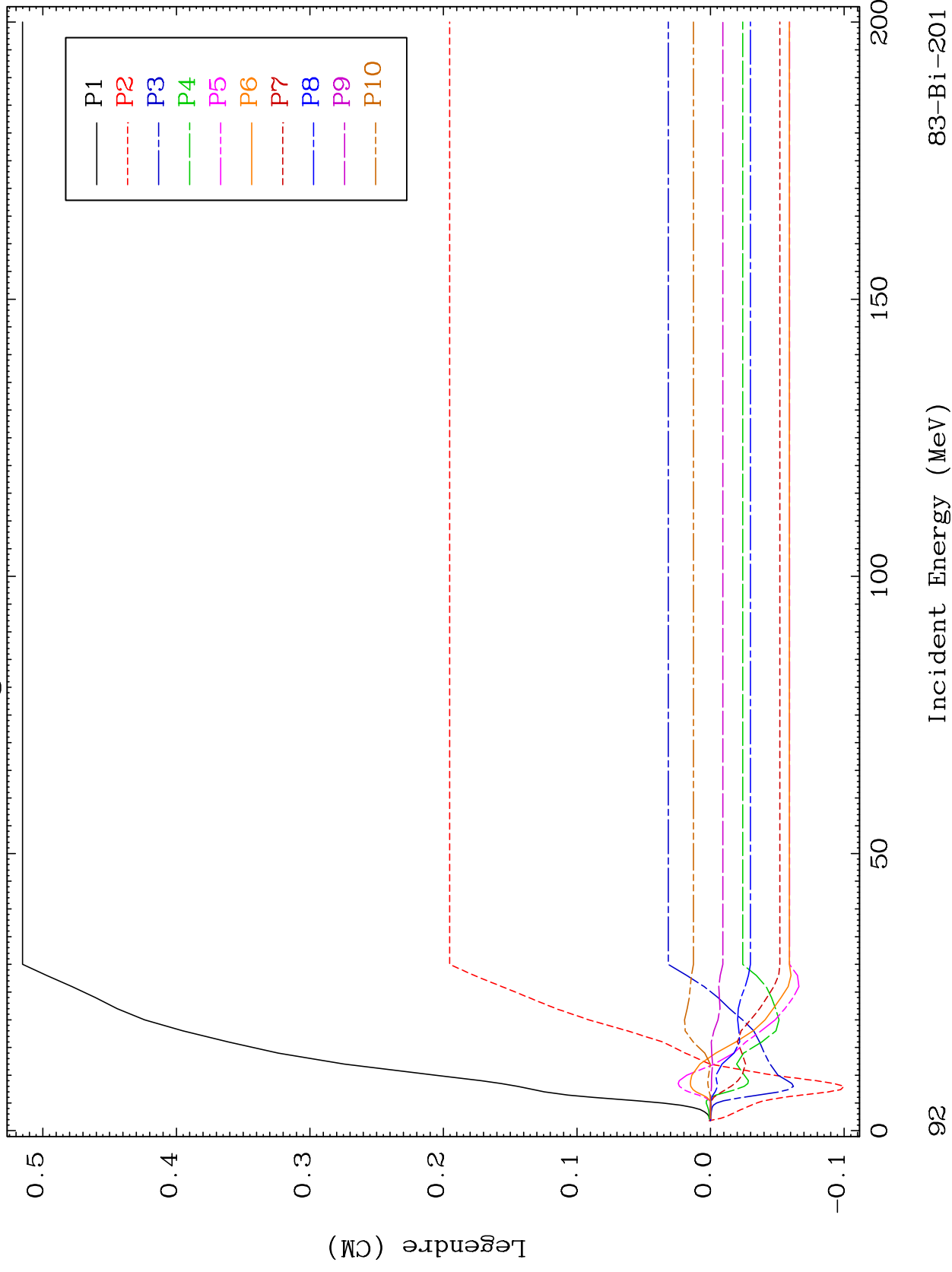
83-Bi-201



MAT 8301

MT= 69 (n,n') Level
Legendre Coefficients

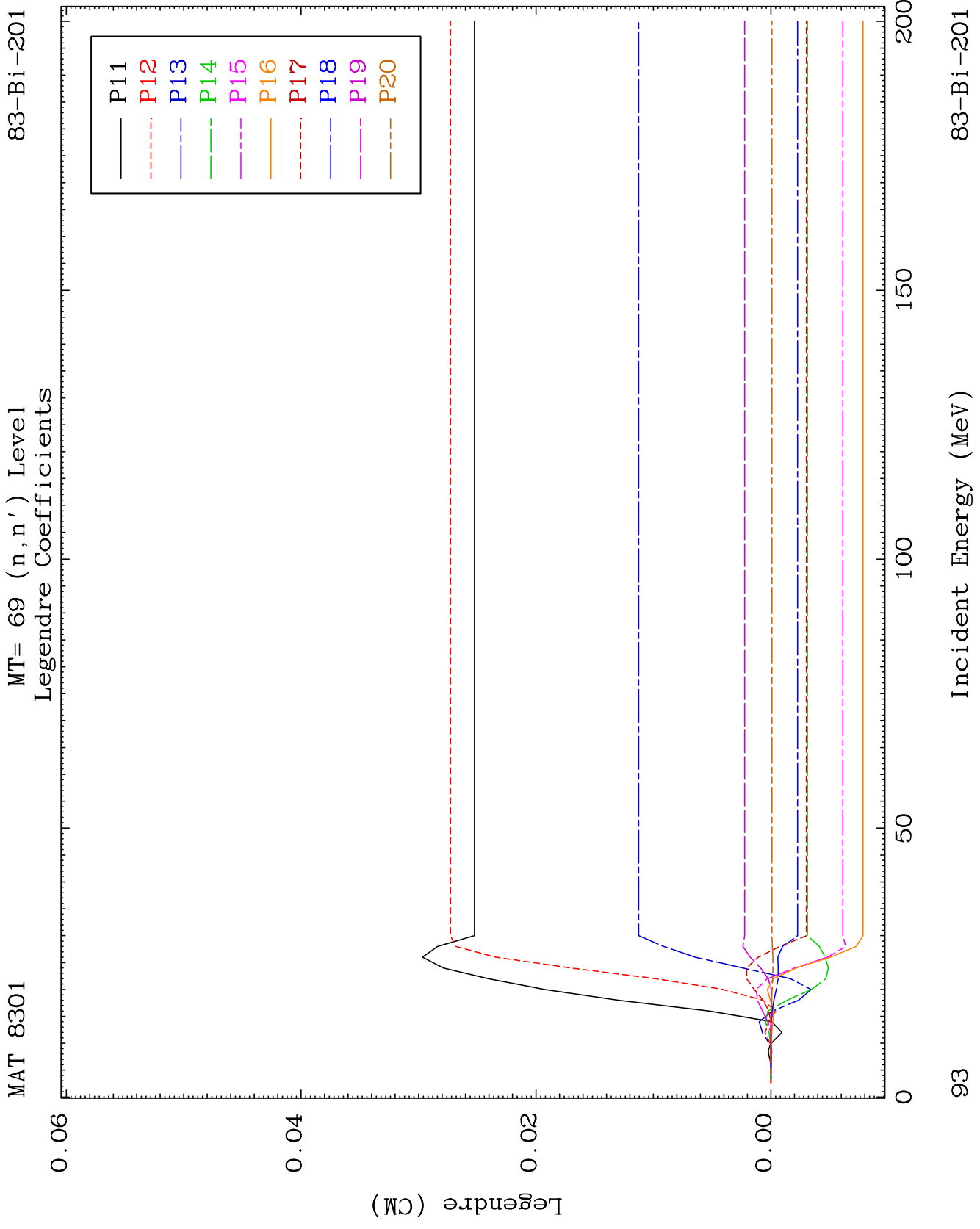
83-Bi-201



83-Bi-201

Incident Energy (MeV)

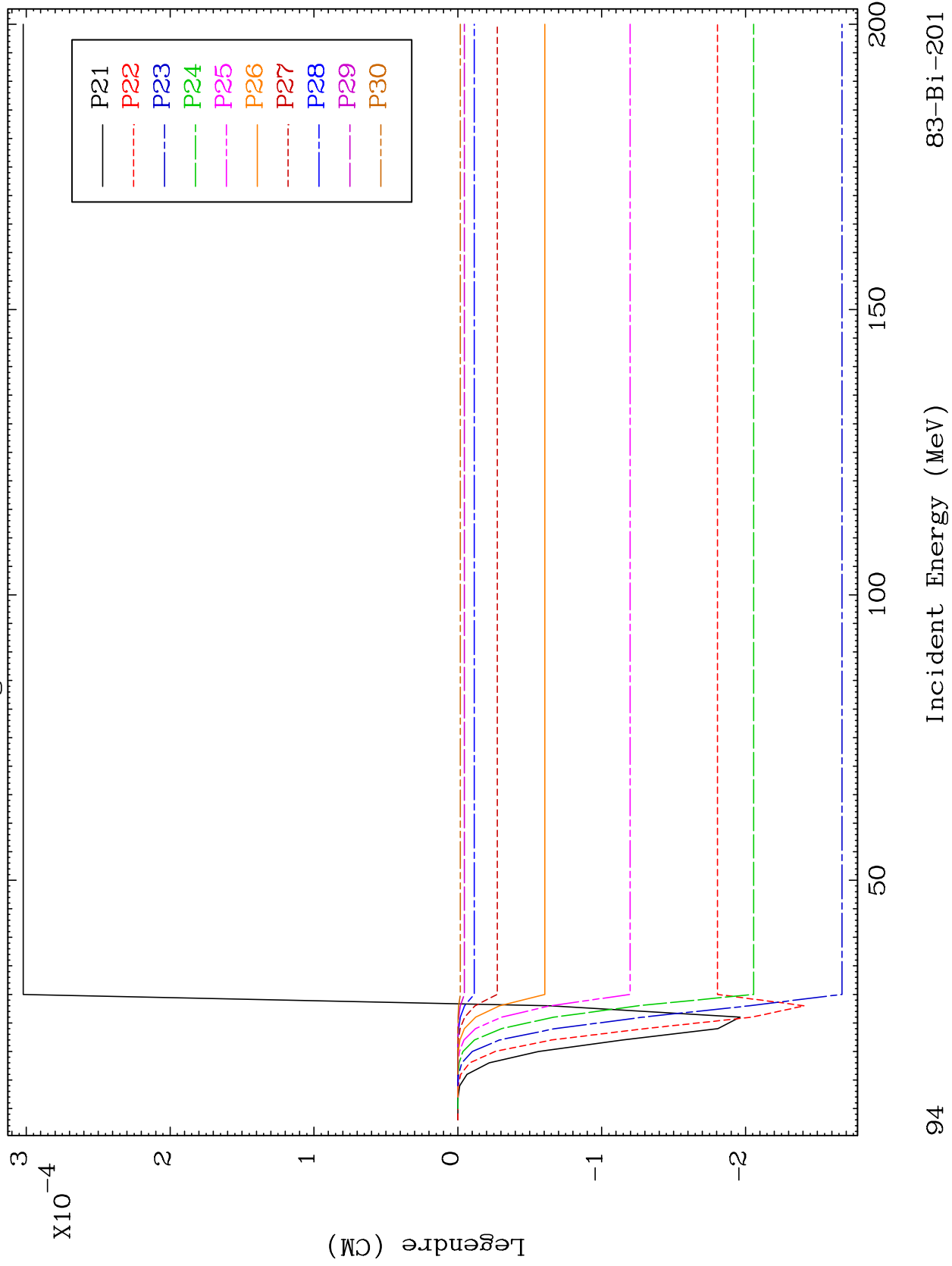
92

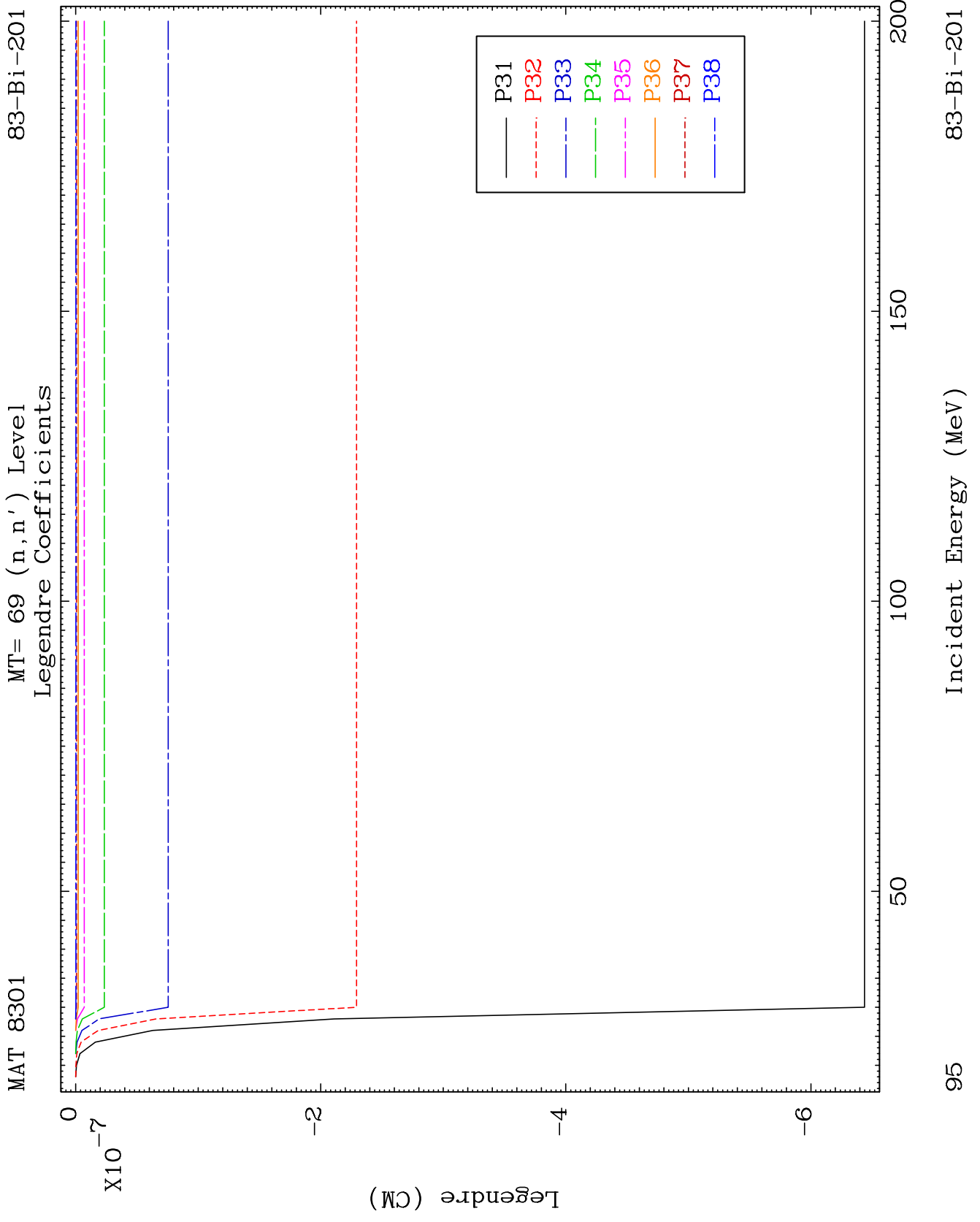


MAT 8301

MT= 69 (n,n') Level
Legendre Coefficients

83-Bi-201

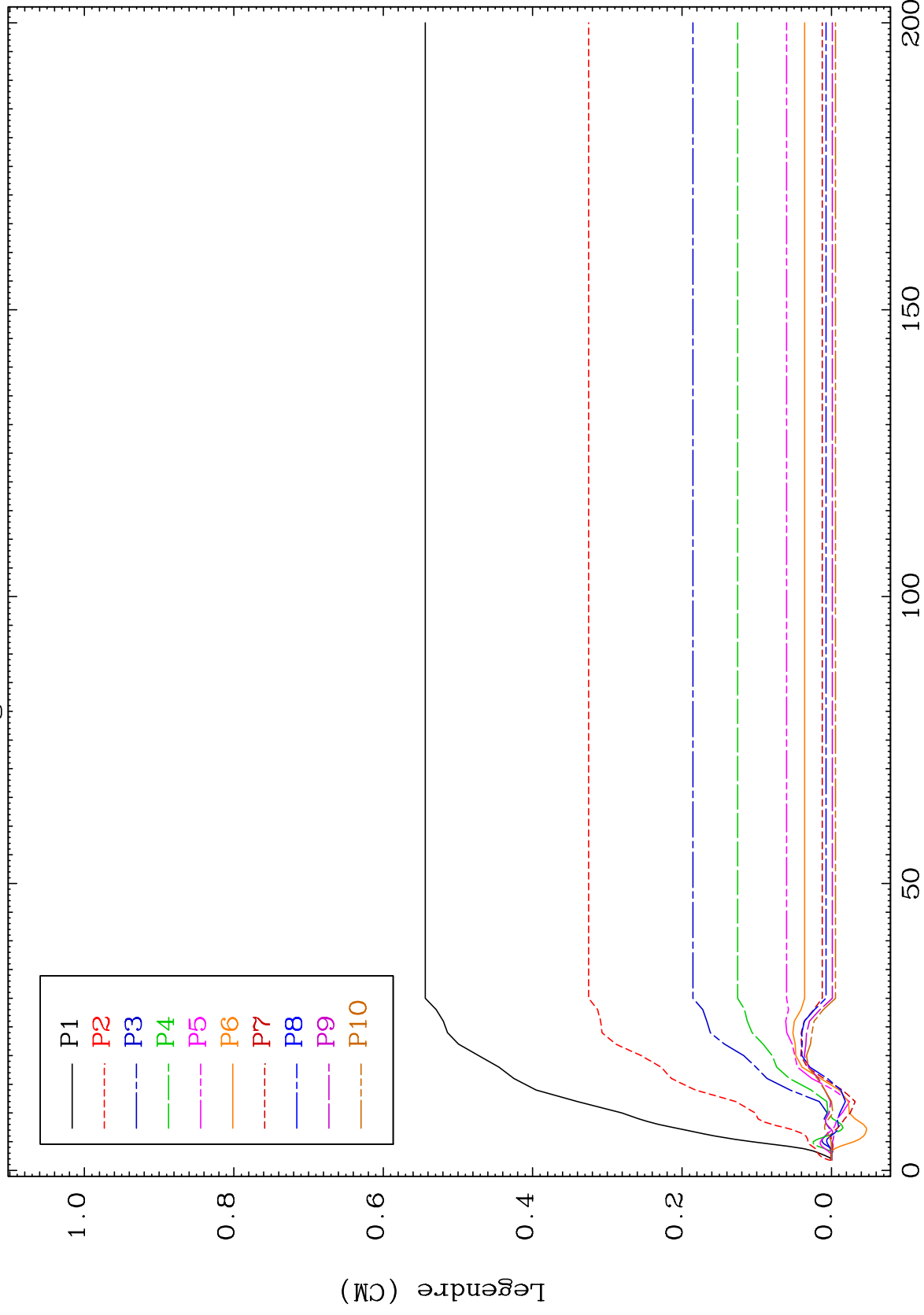




MAT 8301

MT= 70 (n,n') Level
Legendre Coefficients

83-Bi-201



96

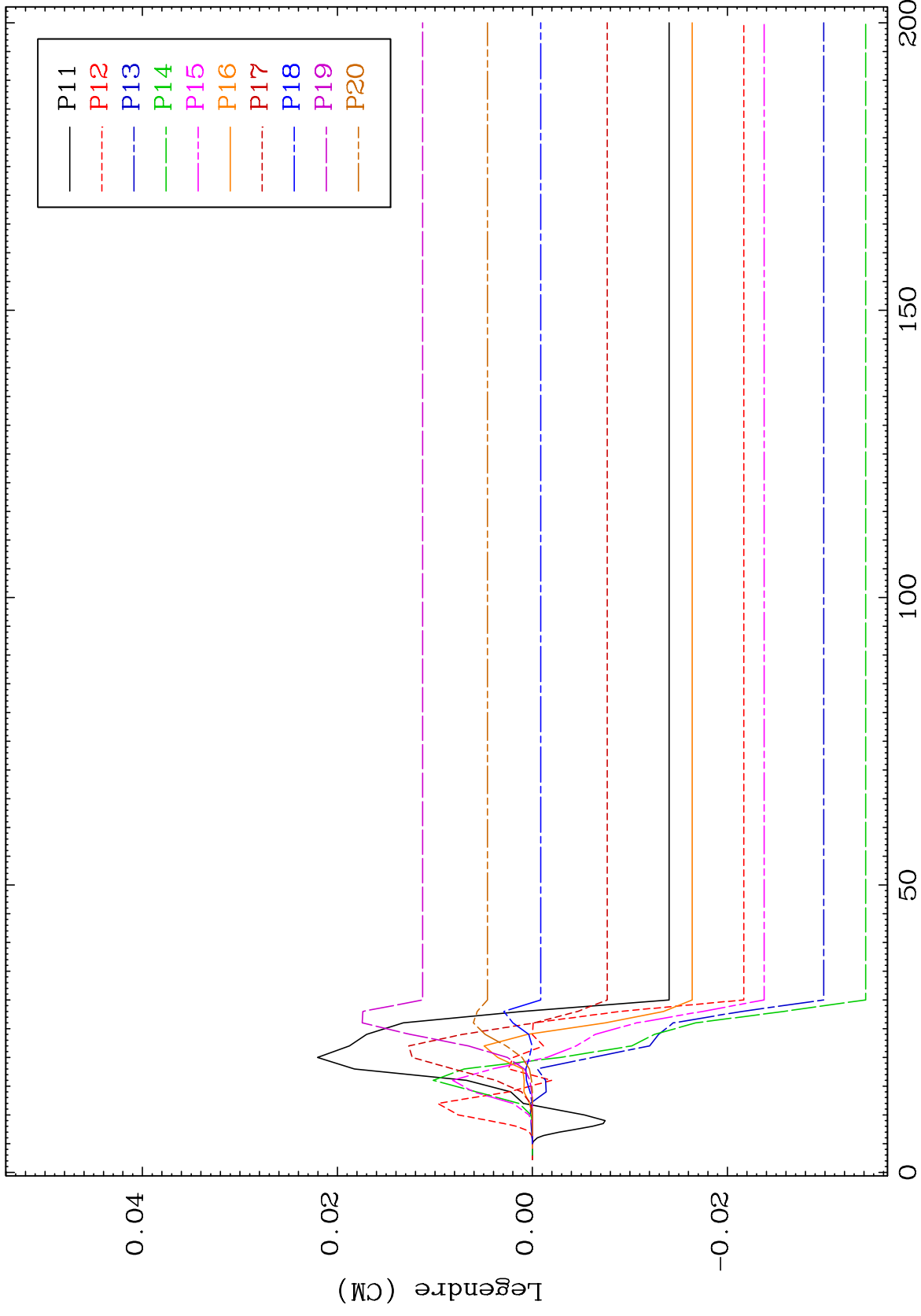
Incident Energy (MeV)

83-Bi-201

MAT 8301

MT= 70 (n,n') Level
Legendre Coefficients

83-Bi-201



97

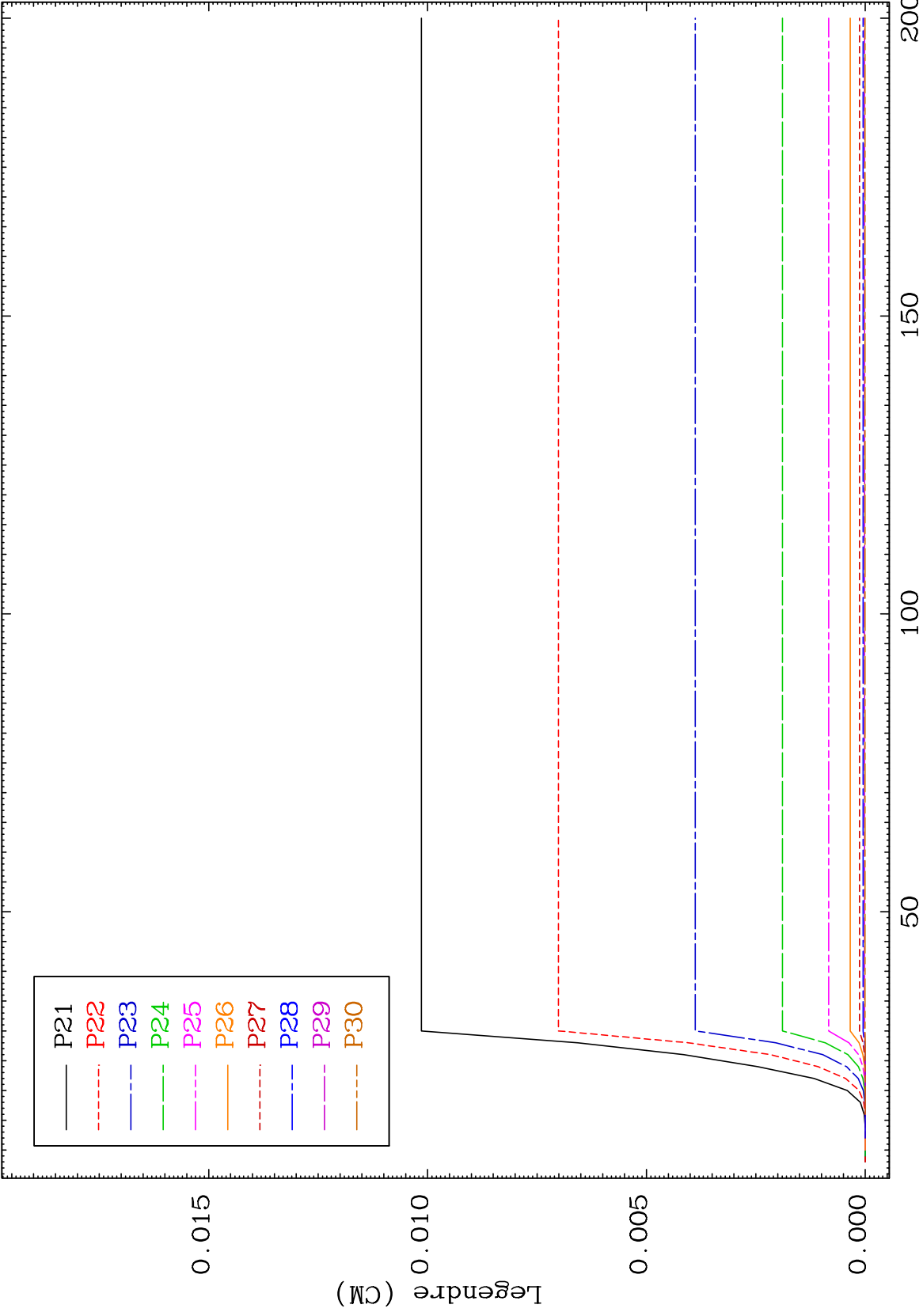
Incident Energy (MeV)

83-Bi-201

MAT 8301

MT= 70 (n,n') Level
Legendre Coefficients

83-Bi-201



98

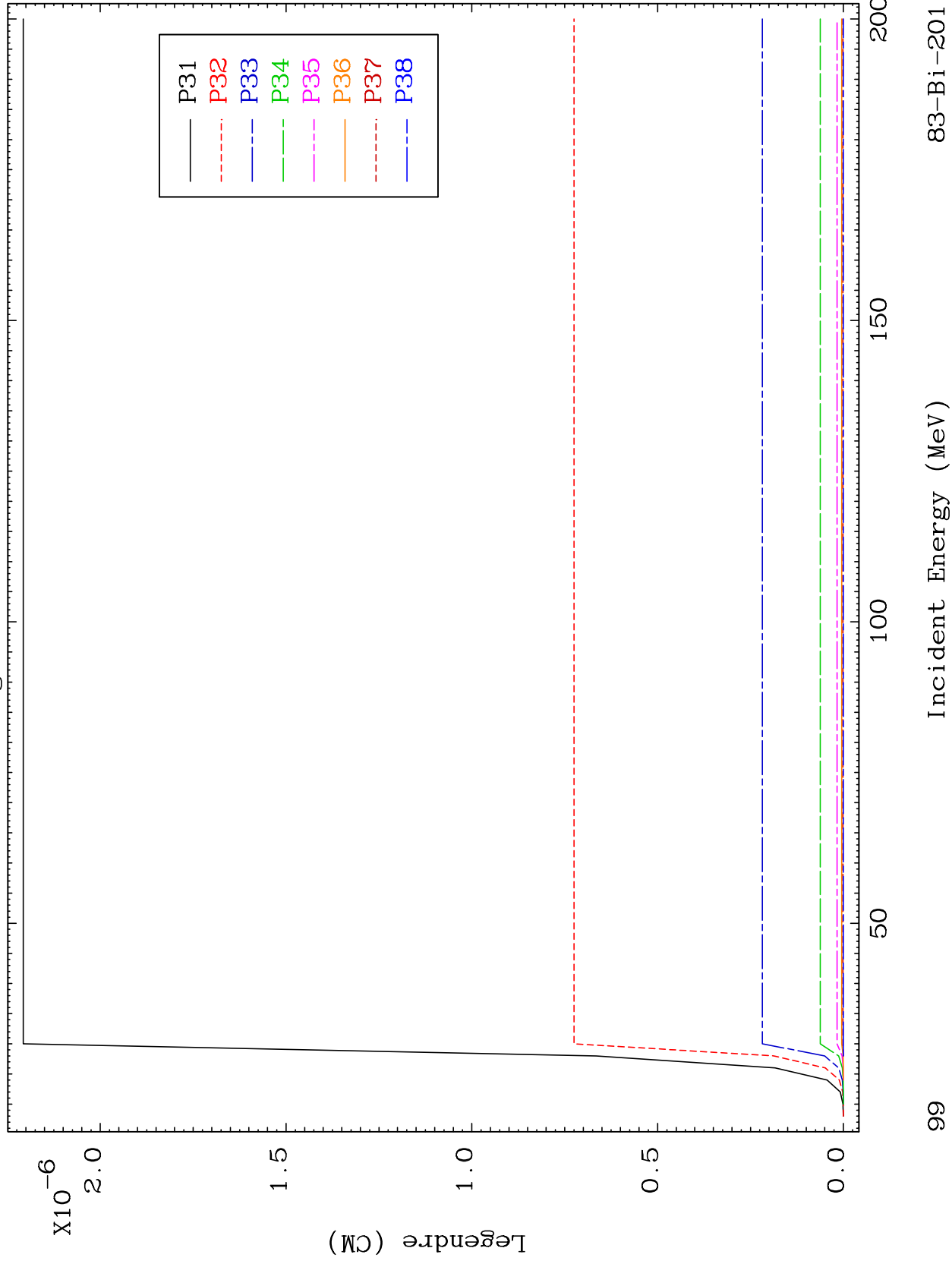
Incident Energy (MeV)

83-Bi-201

MAT 8301

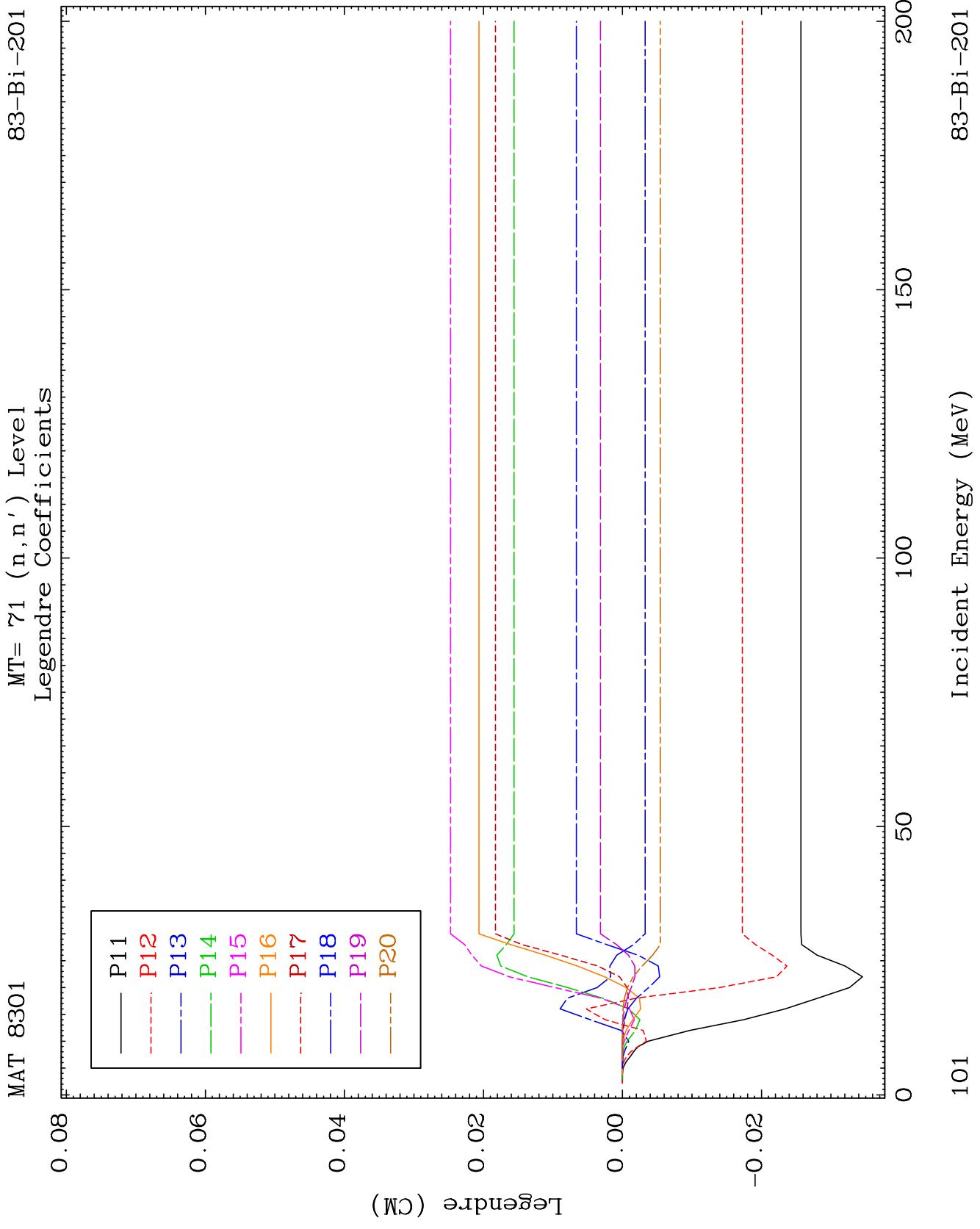
MT= 70 (n,n') Level
Legendre Coefficients

83-Bi-201



99

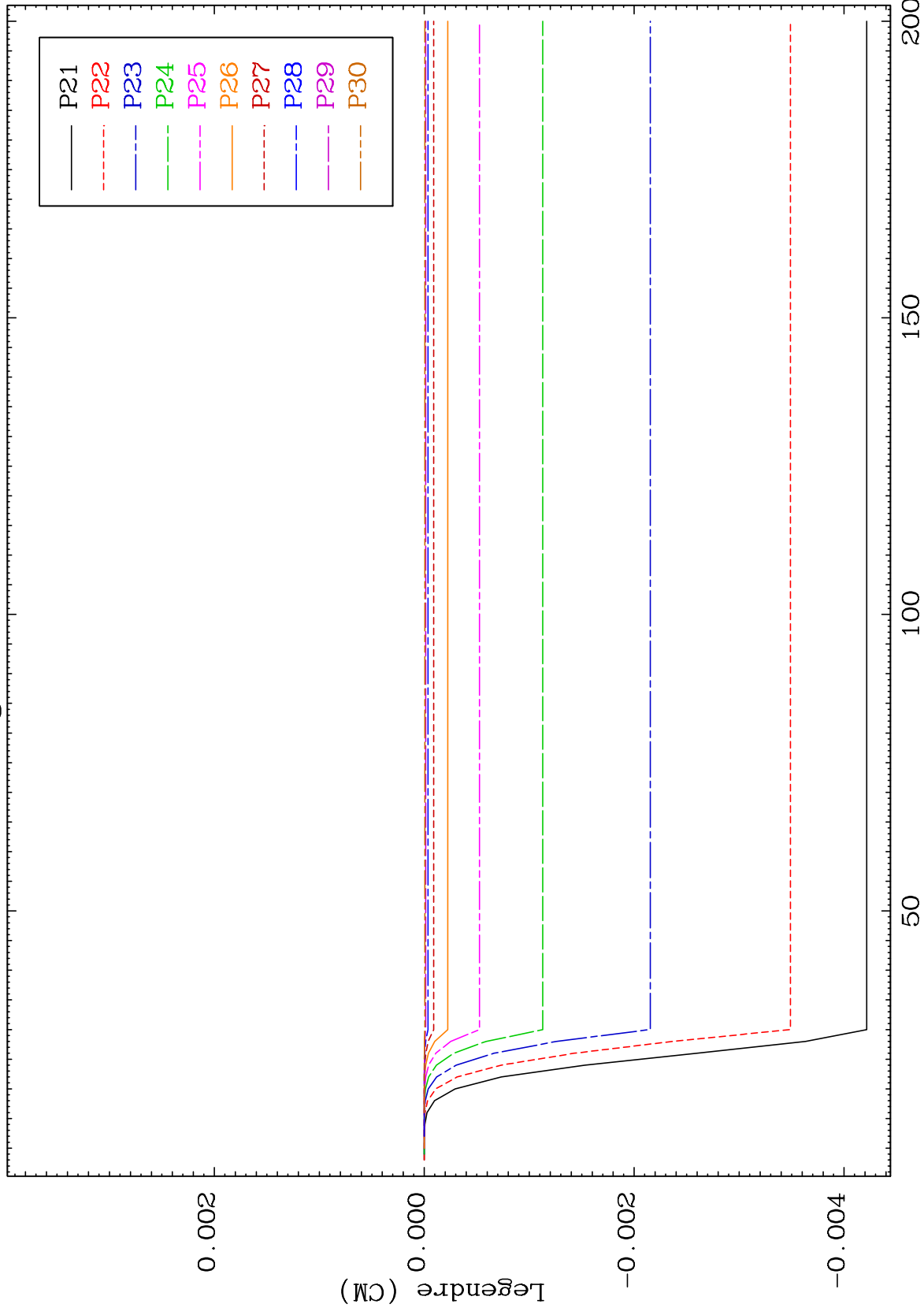
83-Bi-201



MAT 8301

MT= 71 (n,n') Level
Legendre Coefficients

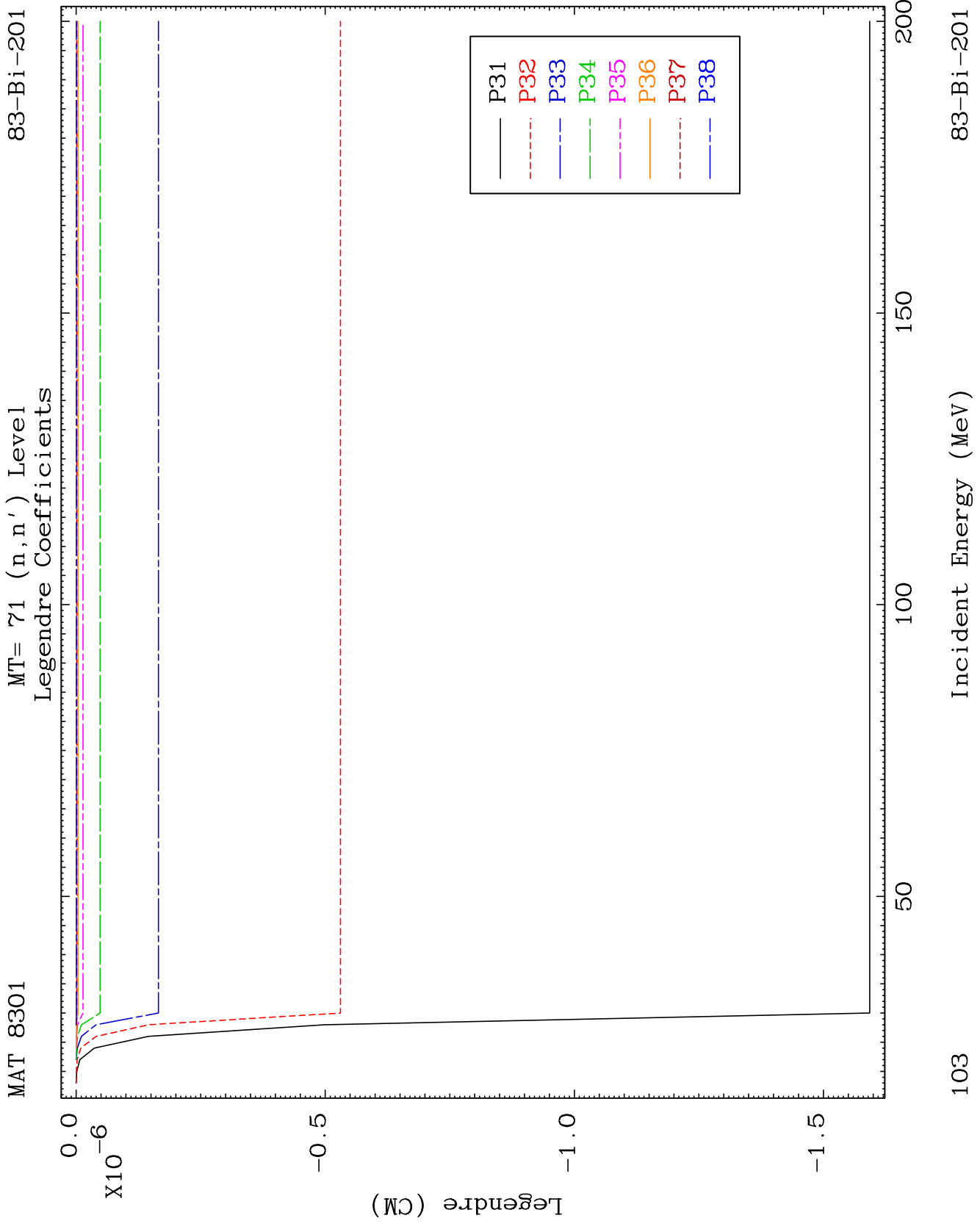
83-Bi-201



102

Incident Energy (MeV)

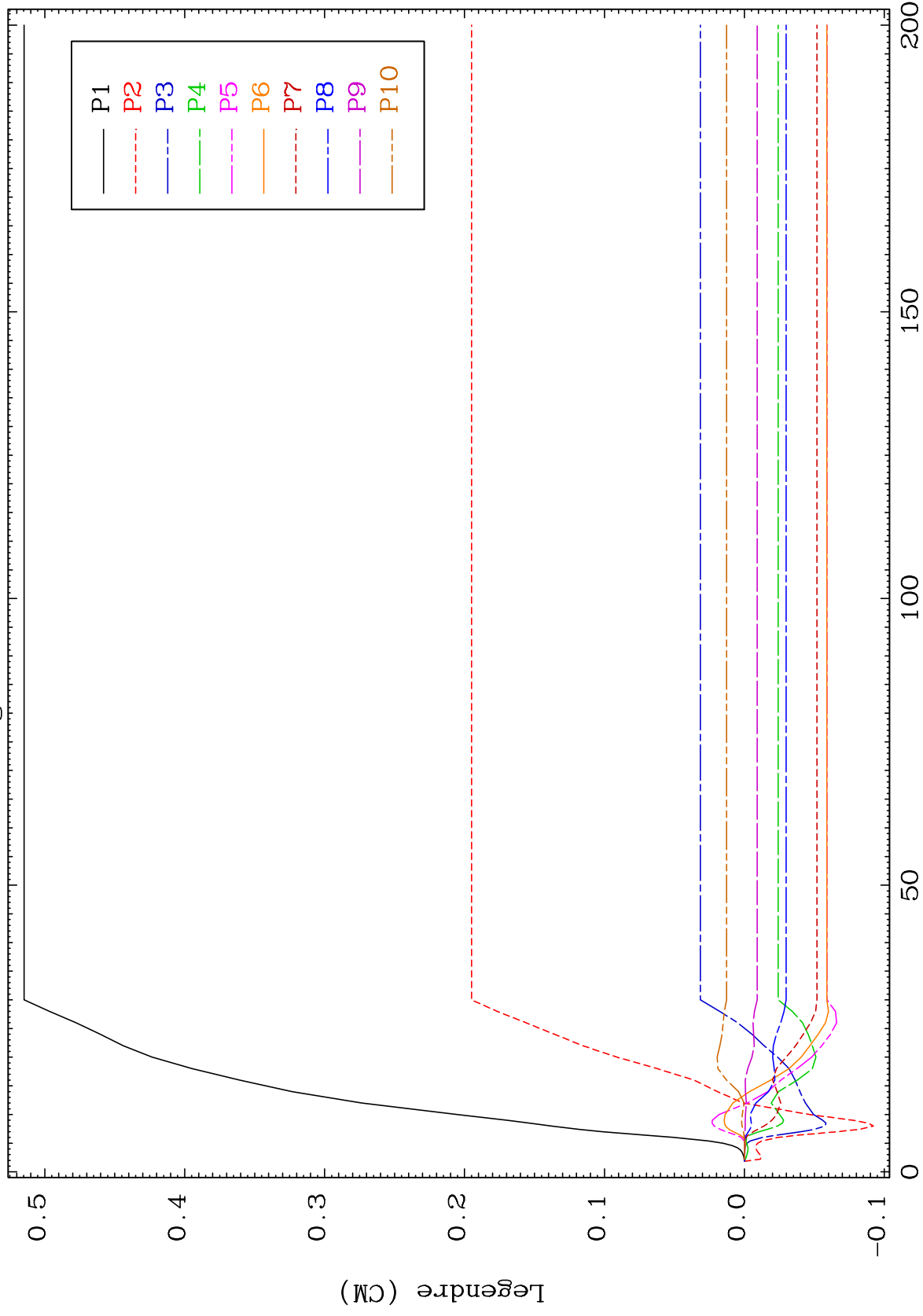
83-Bi-201



MAT 8301

MT= 72 (n,n') Level
Legendre Coefficients

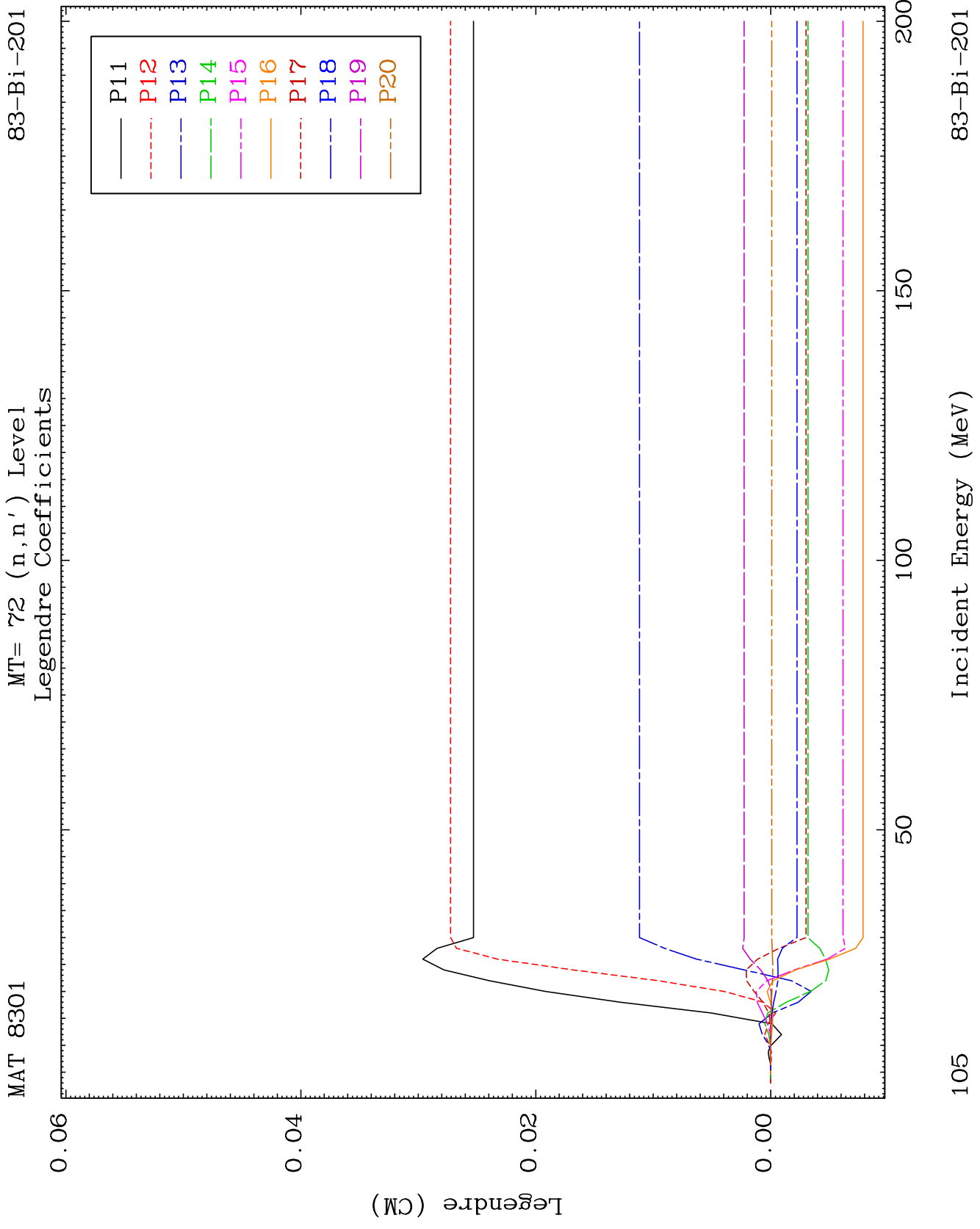
83-Bi-201



83-Bi-201

Incident Energy (MeV)

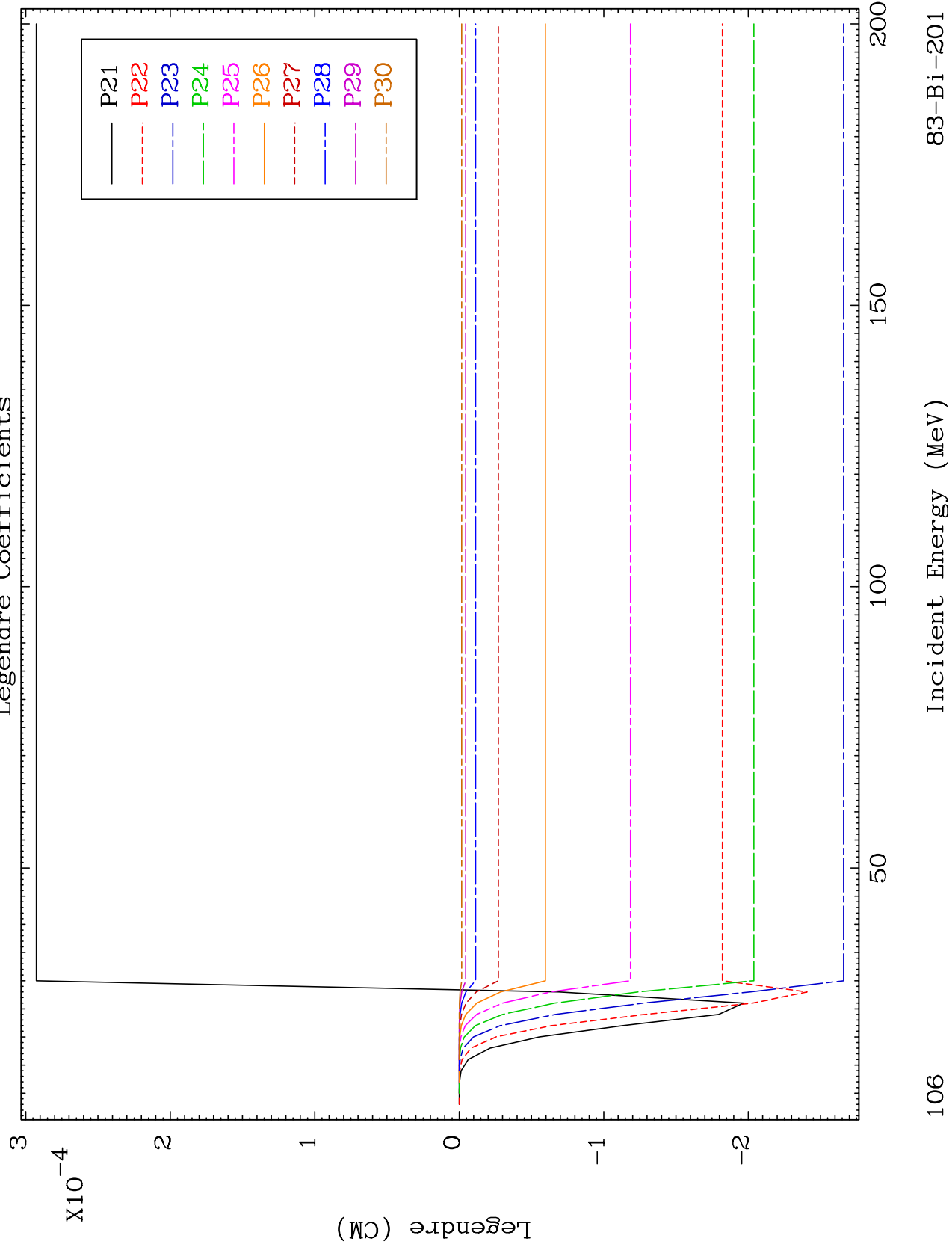
104



MAT 8301

MT= 72 (n,n') Level
Legendre Coefficients

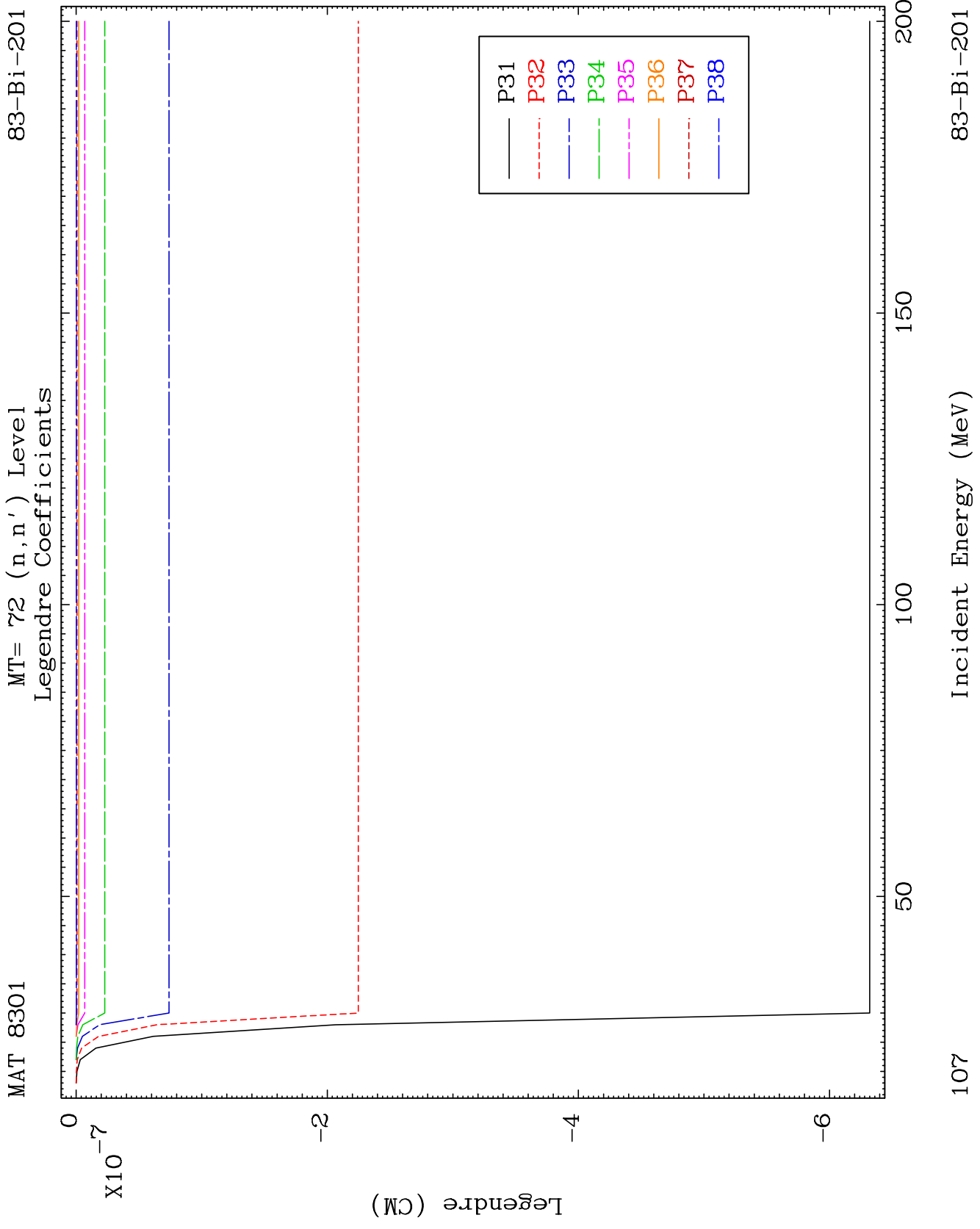
83-Bi-201



106

Incident Energy (MeV)

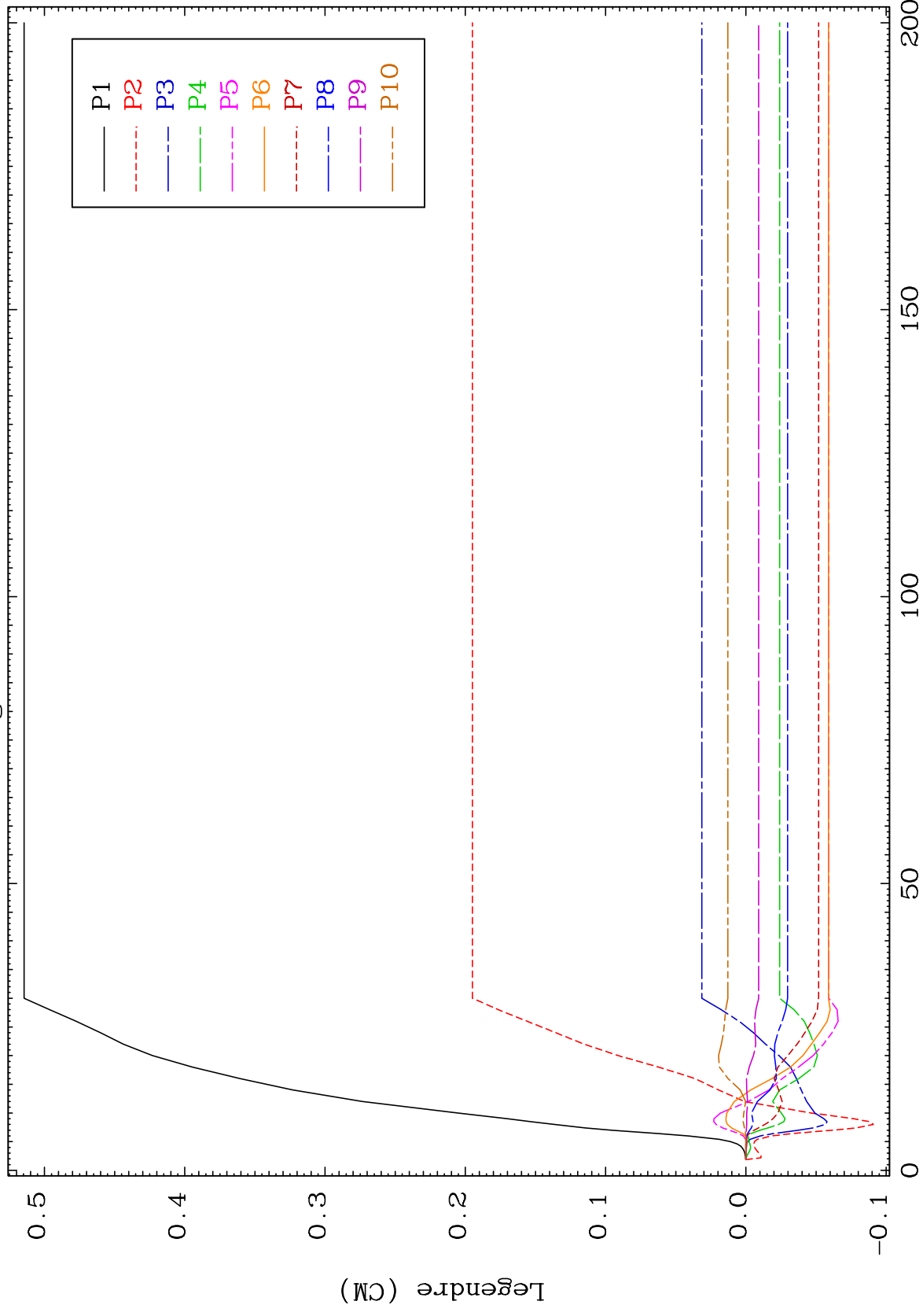
83-Bi-201



MAT 8301

MT= 73 (n,n') Level
Legendre Coefficients

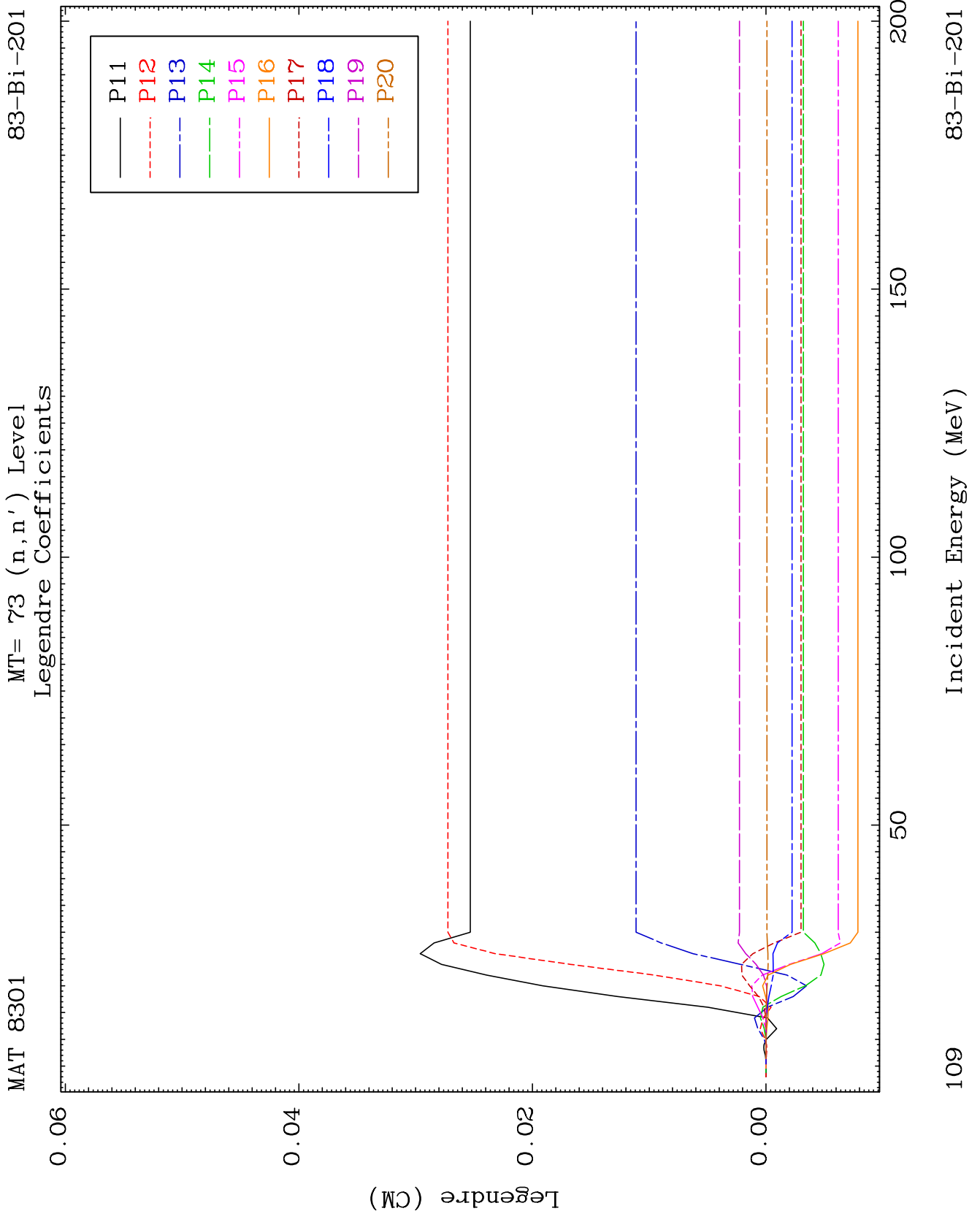
83-Bi-201



108

Incident Energy (MeV)

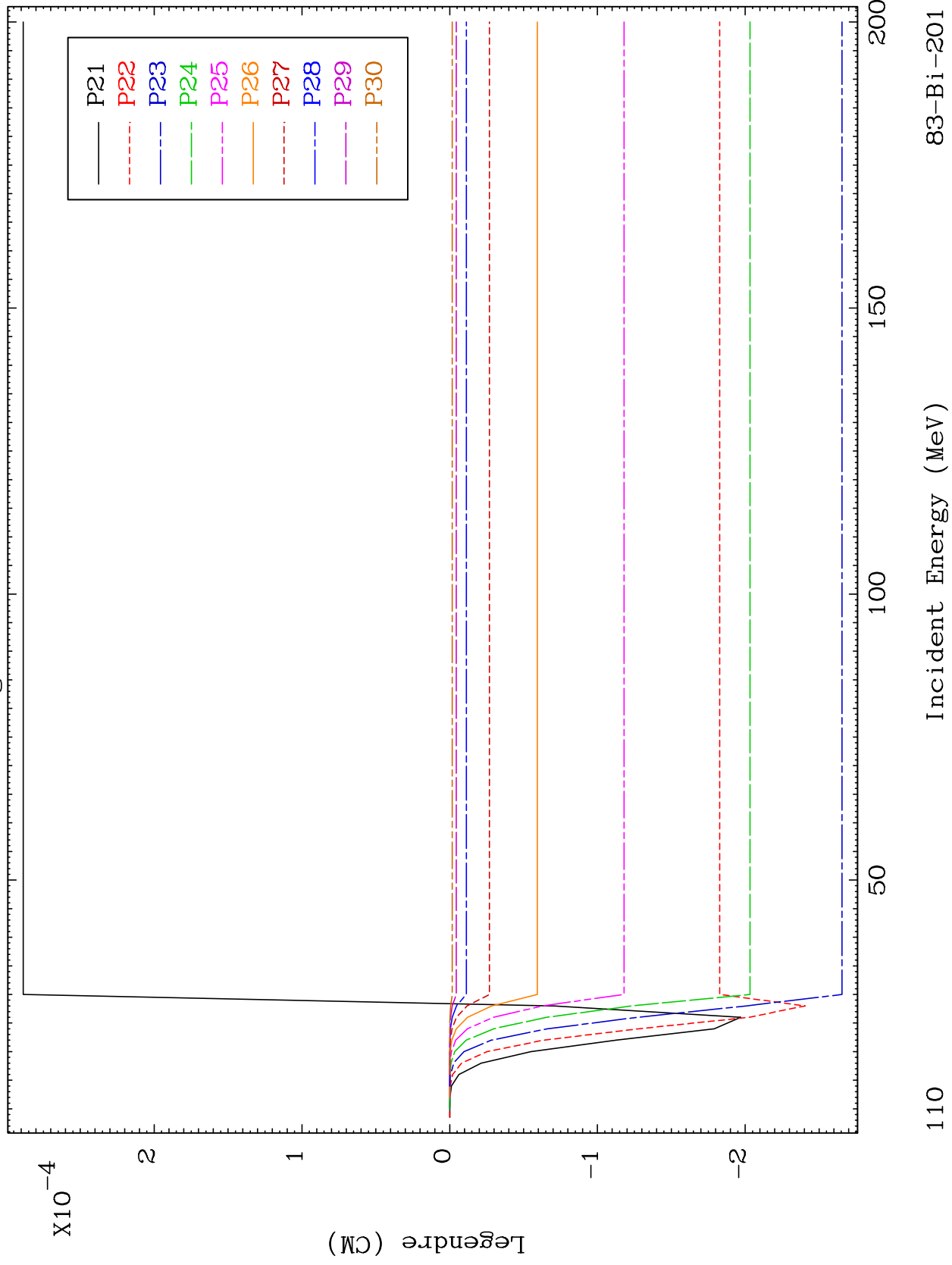
83-Bi-201



MAT 8301

MT= 73 (n,n') Level
Legendre Coefficients

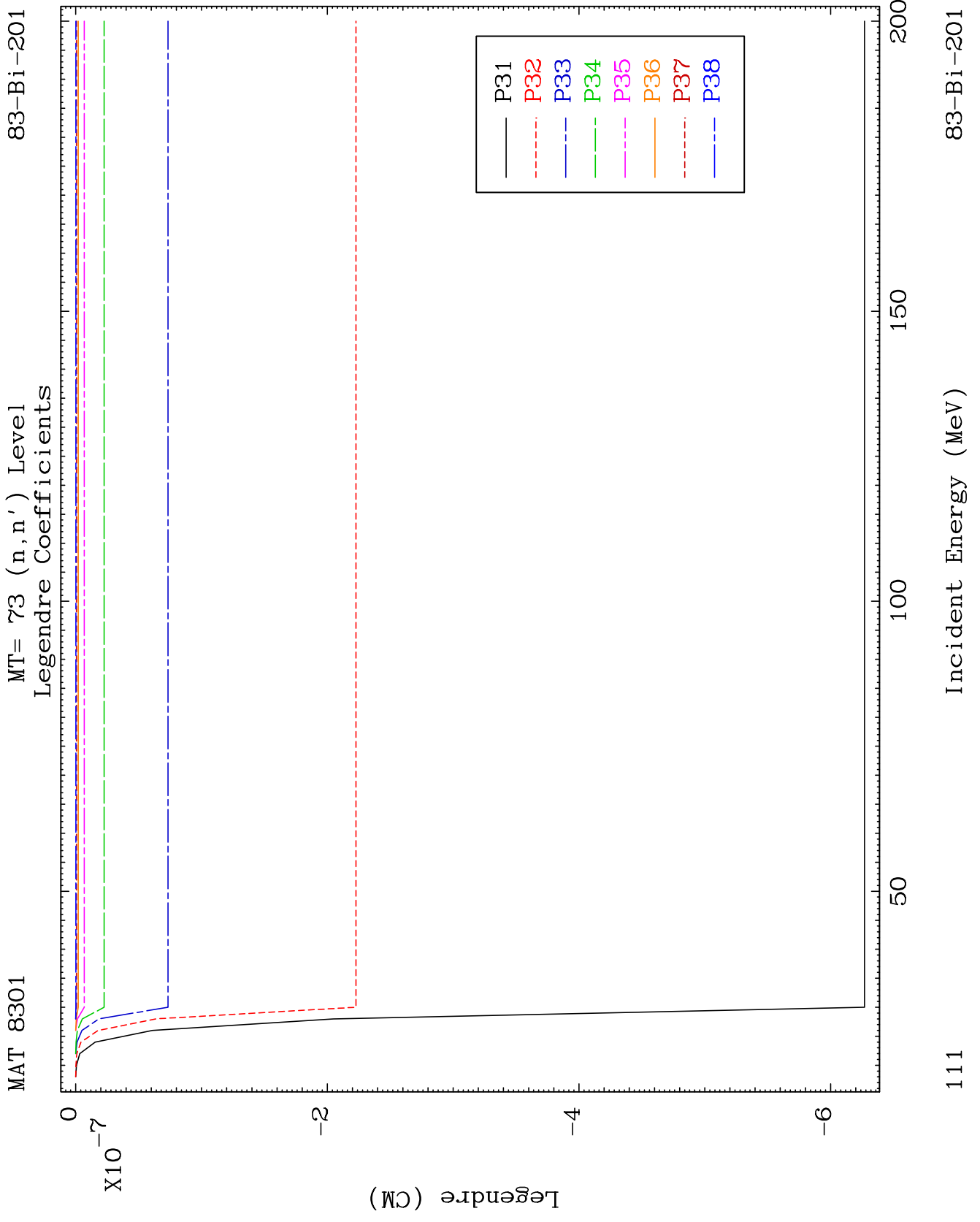
83-Bi-201



83-Bi-201

Incident Energy (MeV)

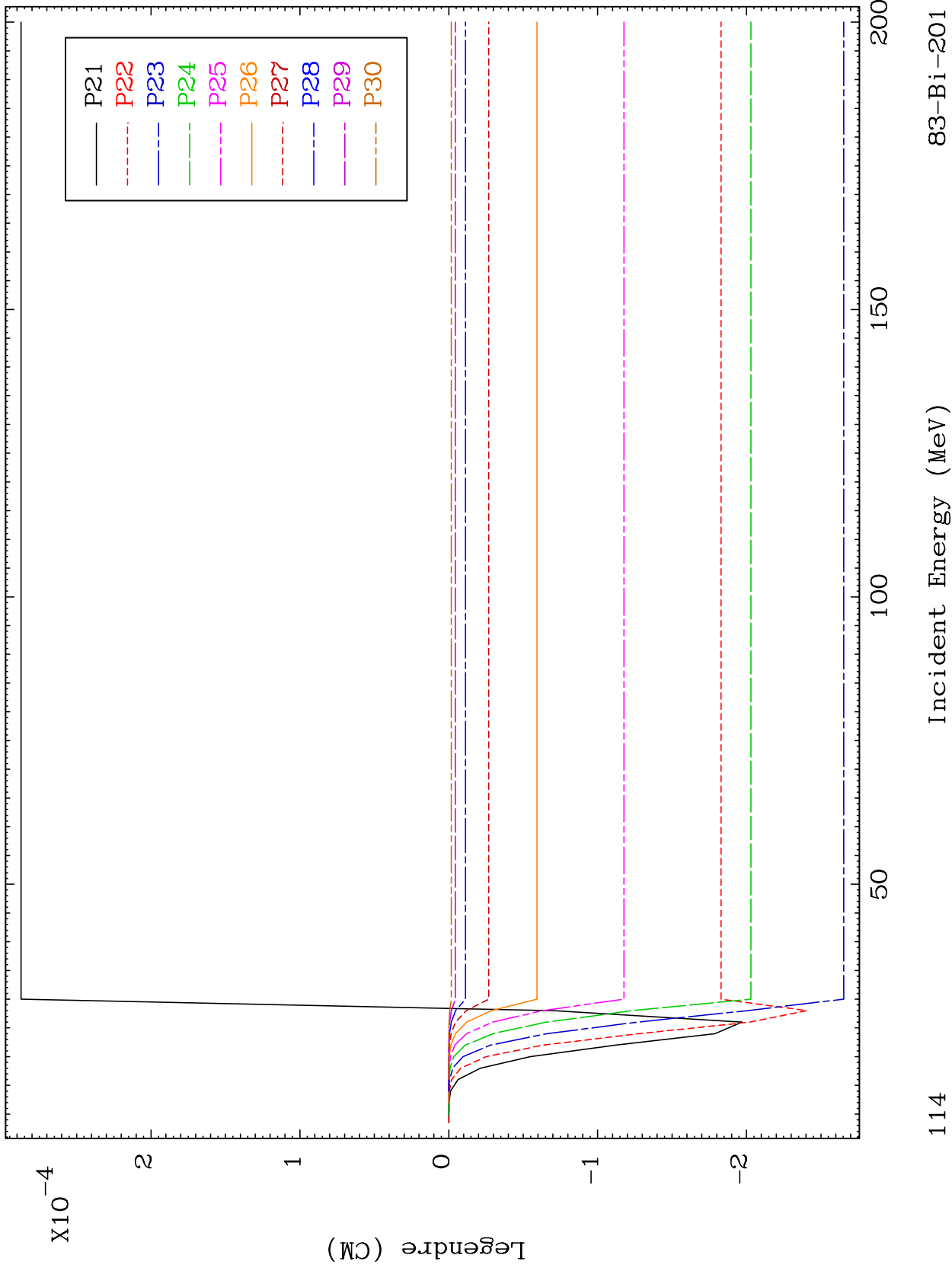
110



MAT 8301

MT= 74 (n,n') Level
Legendre Coefficients

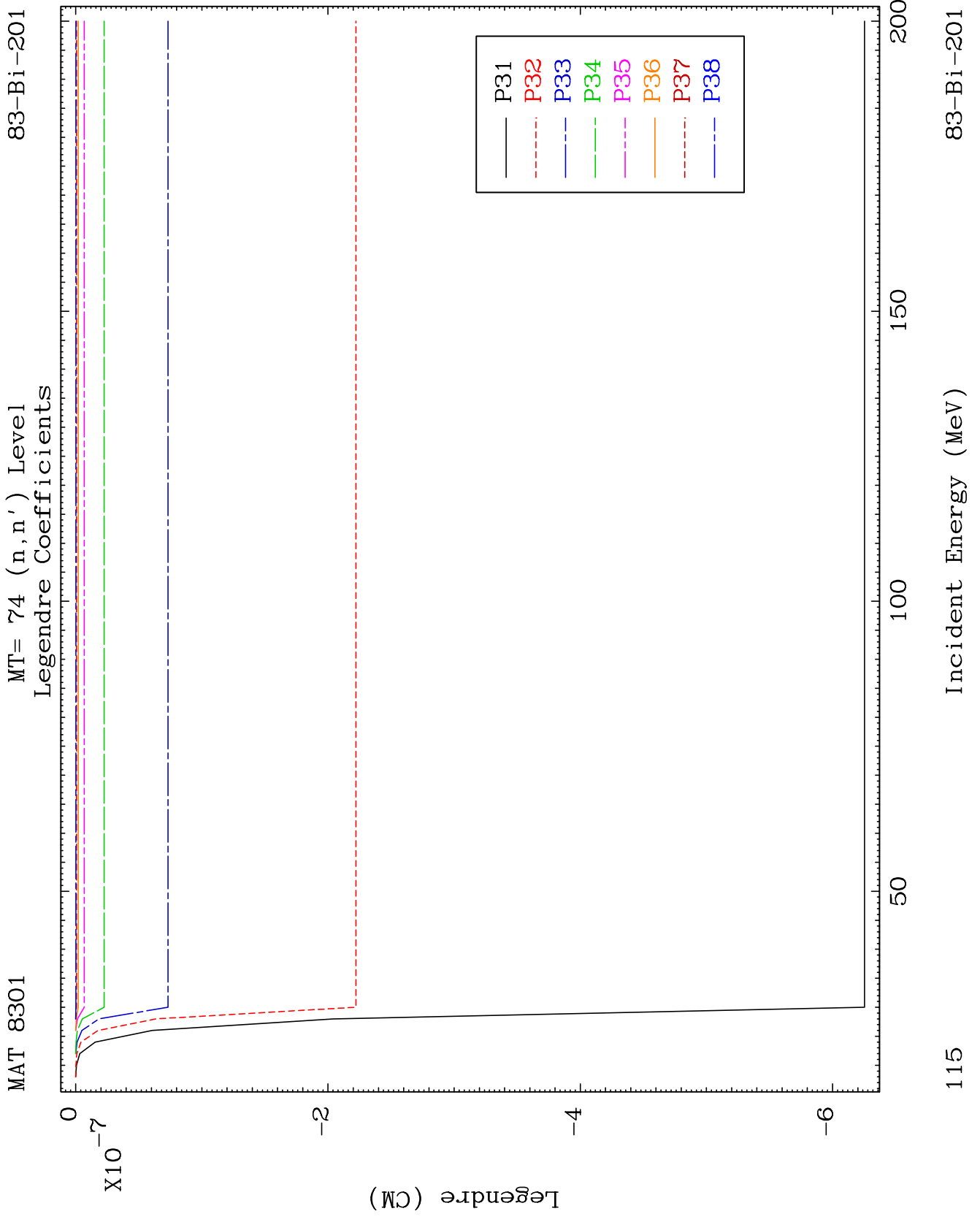
83-Bi-201

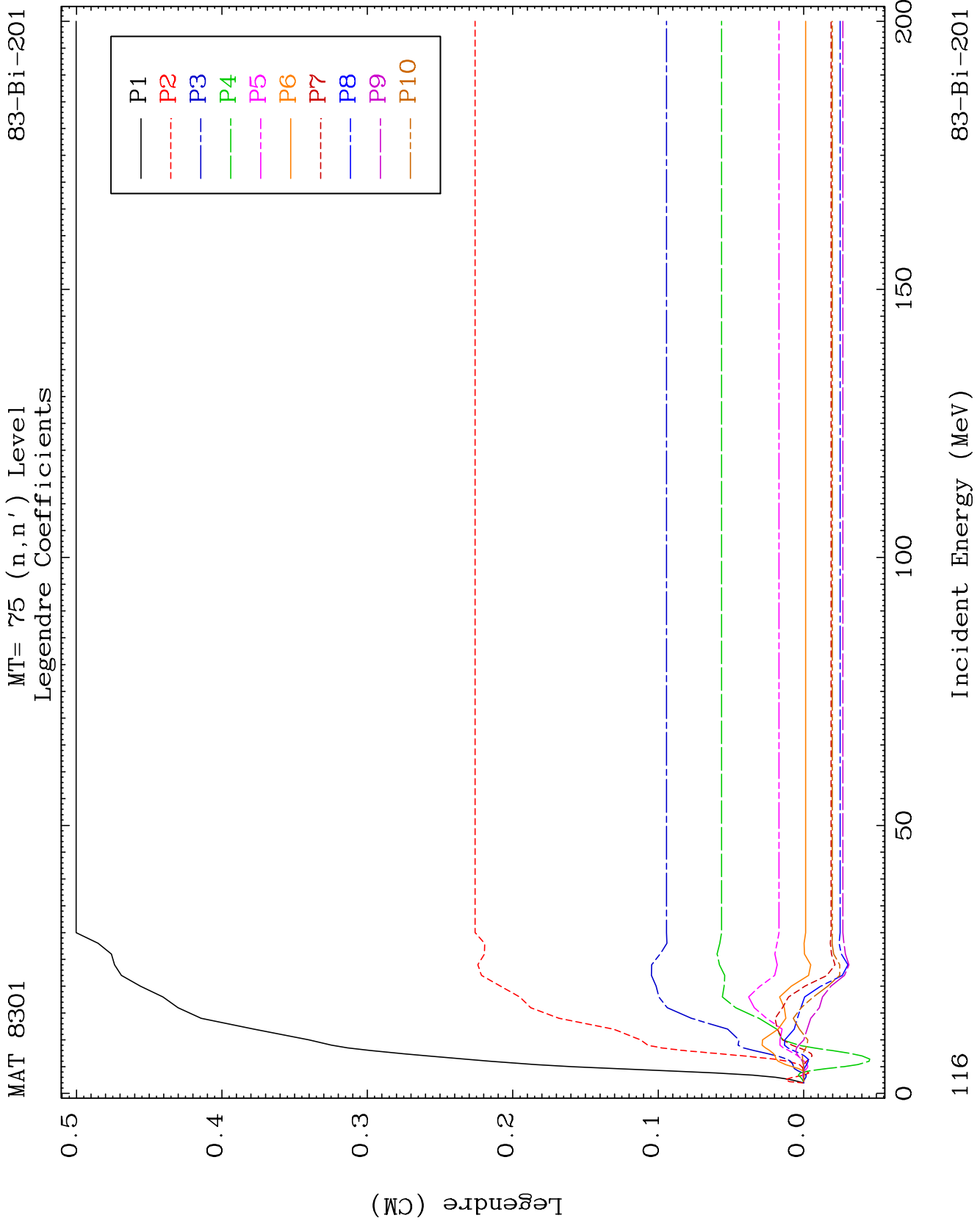


114

Incident Energy (MeV)

83-Bi-201

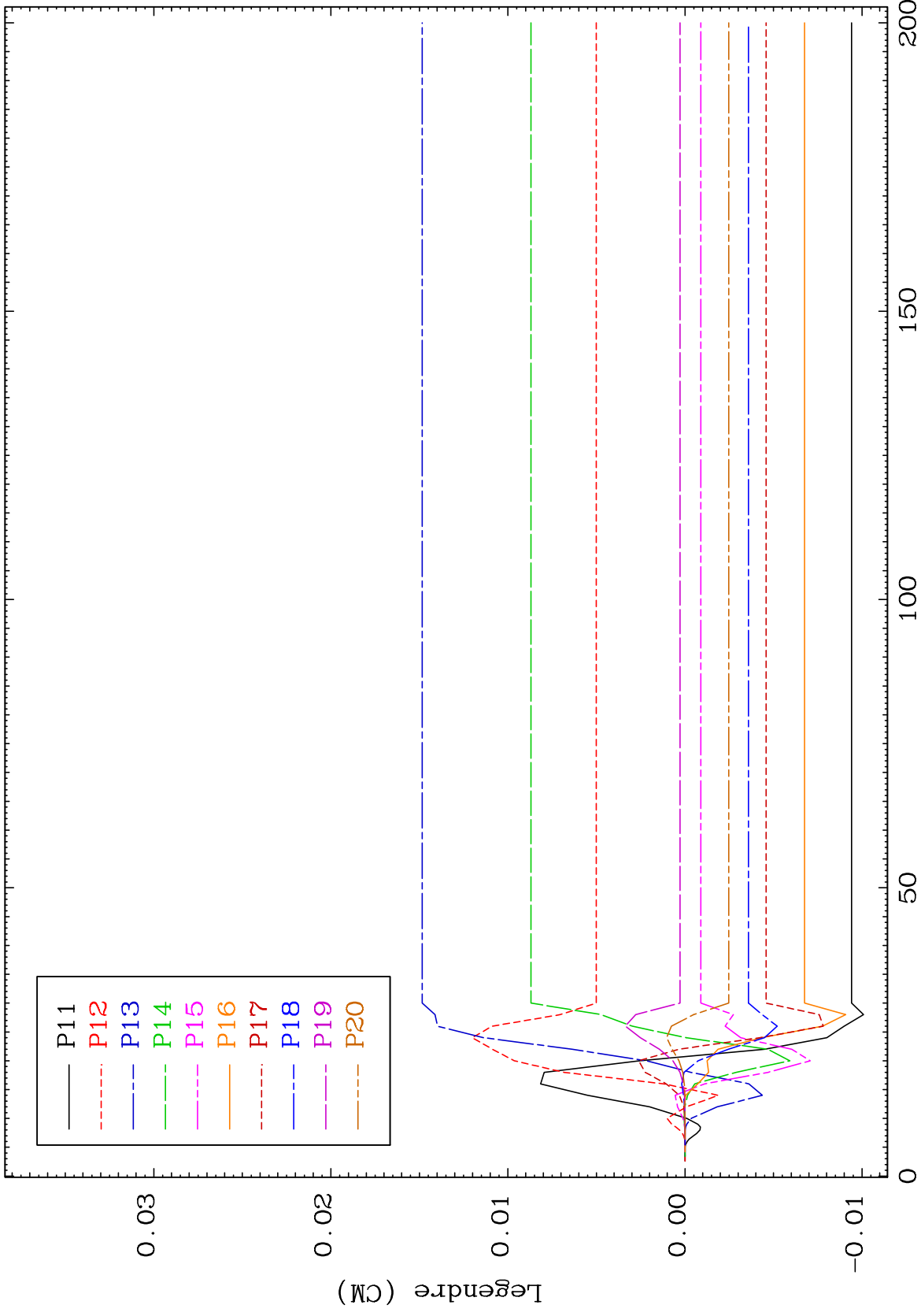




MAT 8301

MT= 75 (n,n') Level
Legendre Coefficients

83-Bi-201



117

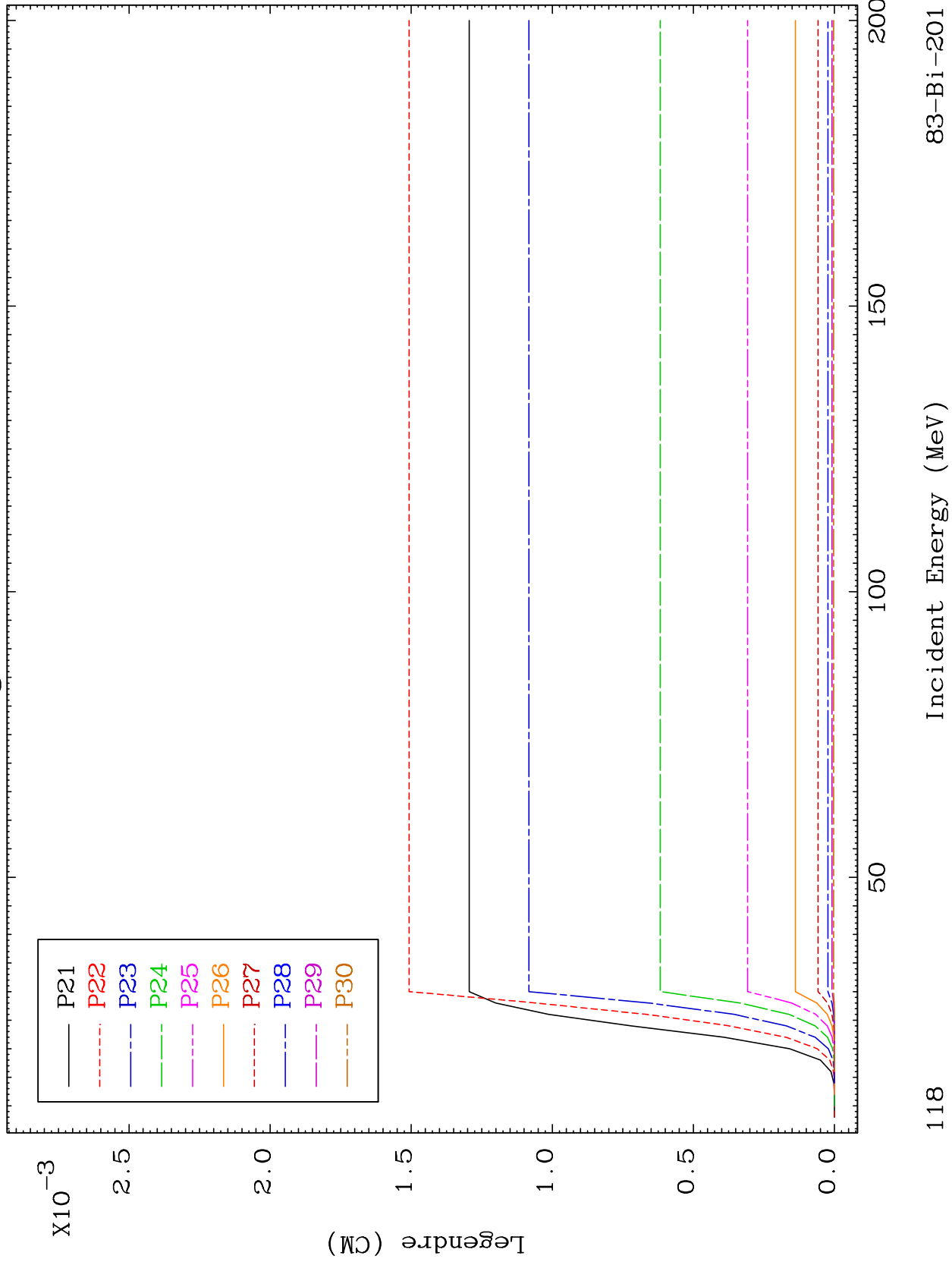
Incident Energy (MeV)

83-Bi-201

MAT 8301

MT= 75 (n,n') Level
Legendre Coefficients

83-Bi-201

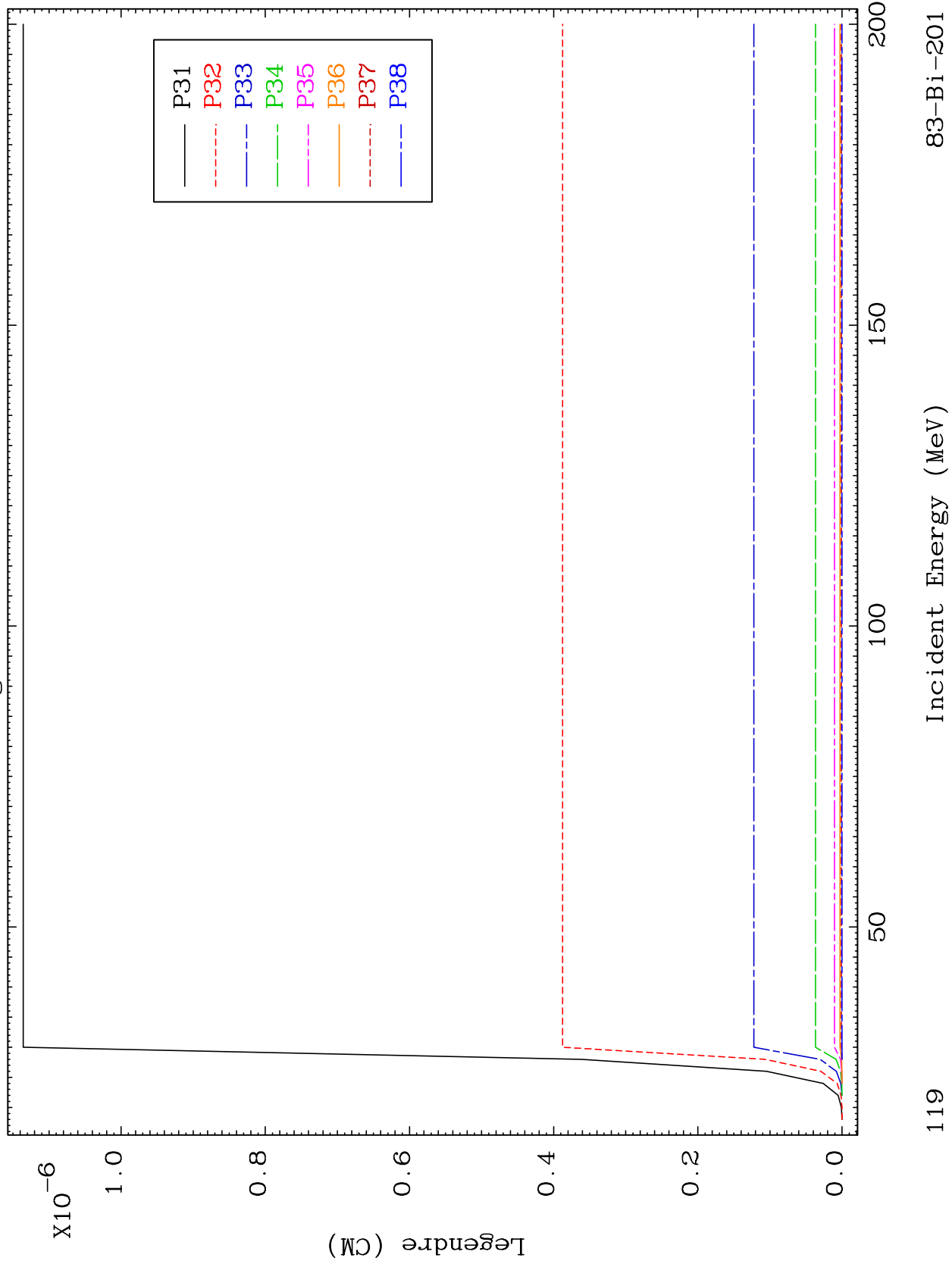


118

MAT 8301

MT= 75 (n,n') Level
Legendre Coefficients

83-Bi-201

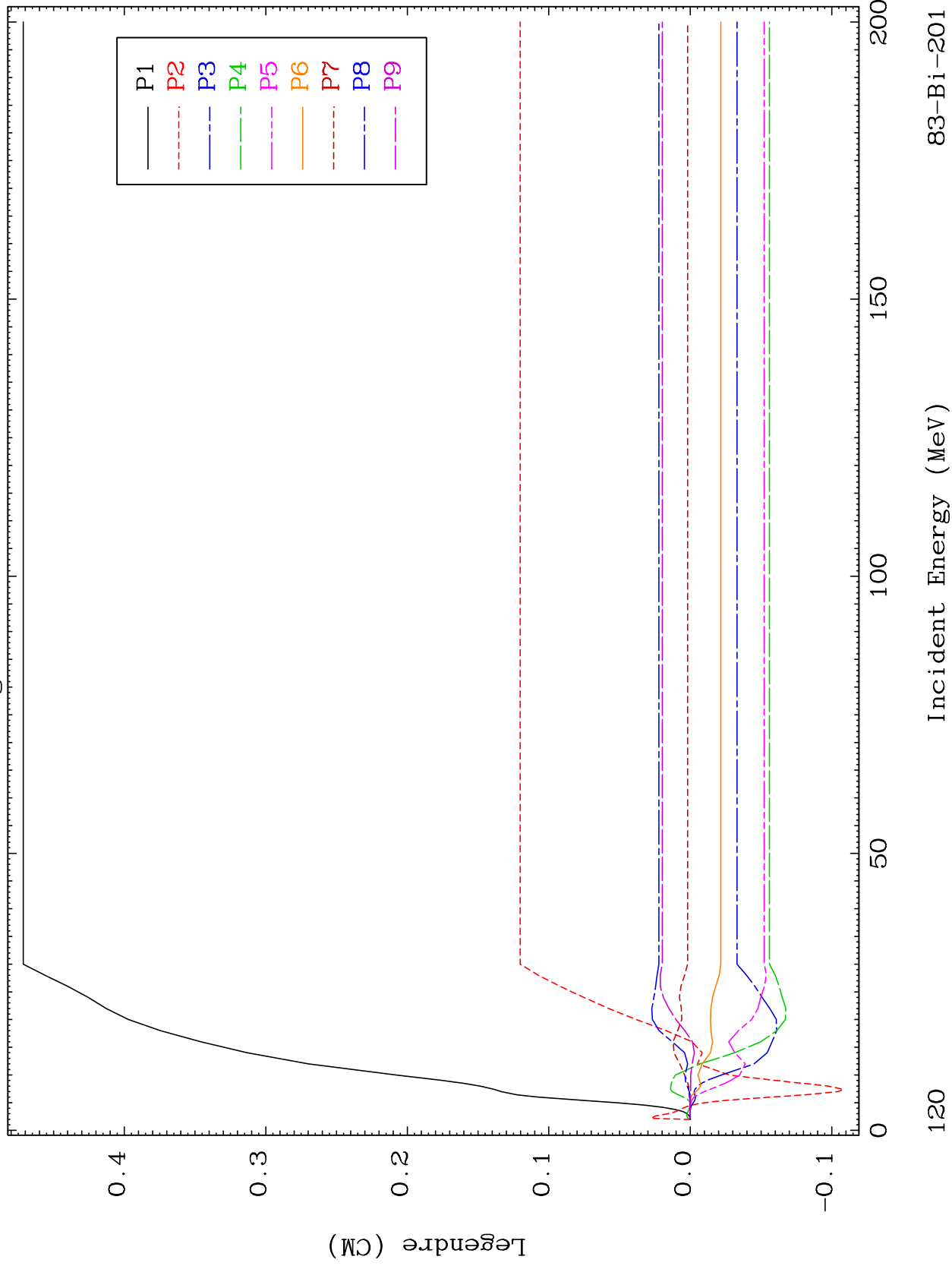


119

MAT 8301

MT= 76 (n,n') Level
Legendre Coefficients

83-Bi-201



83-Bi-201

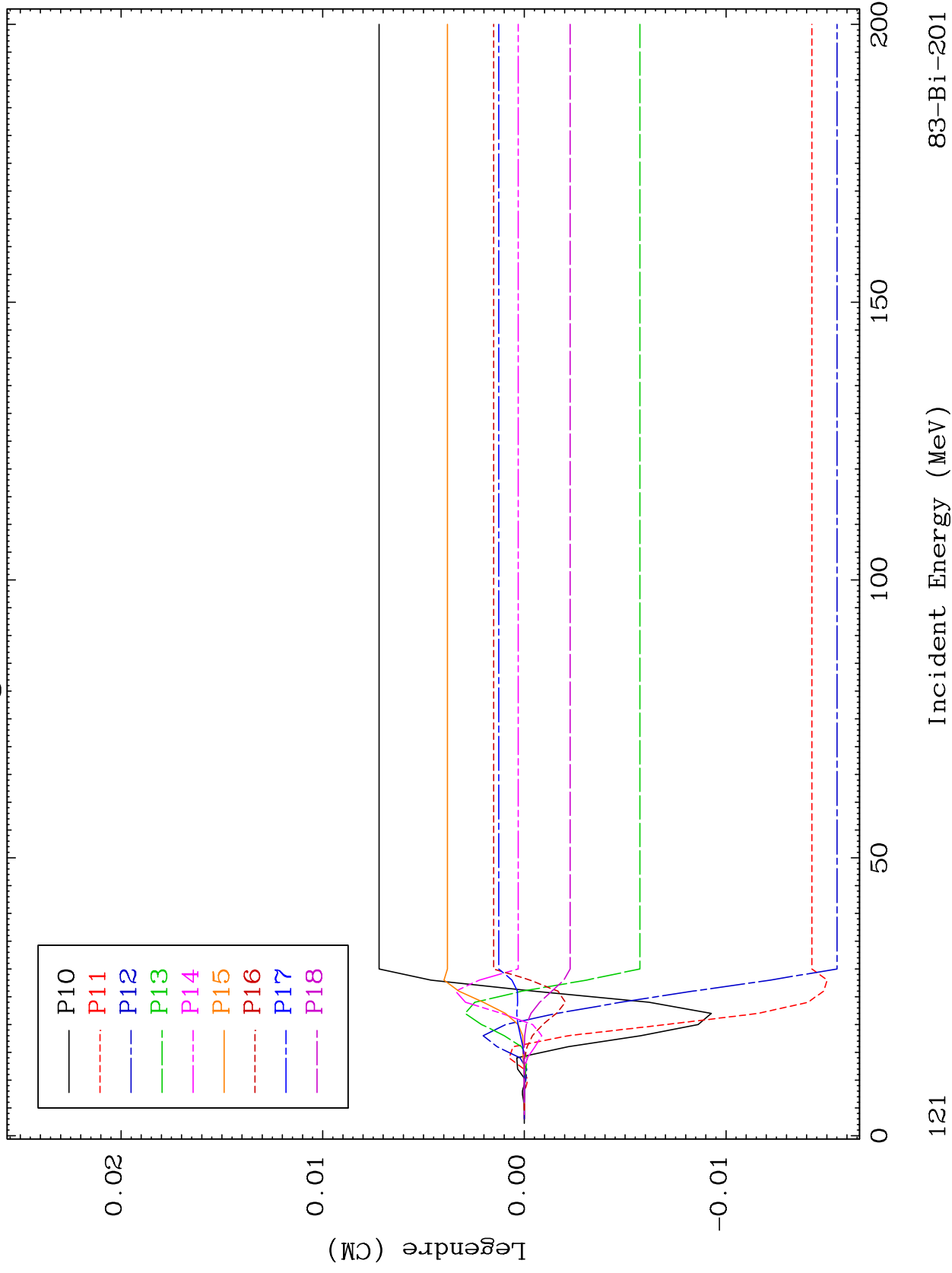
Incident Energy (MeV)

120

MAT 8301

MT= 76 (n,n') Level
Legendre Coefficients

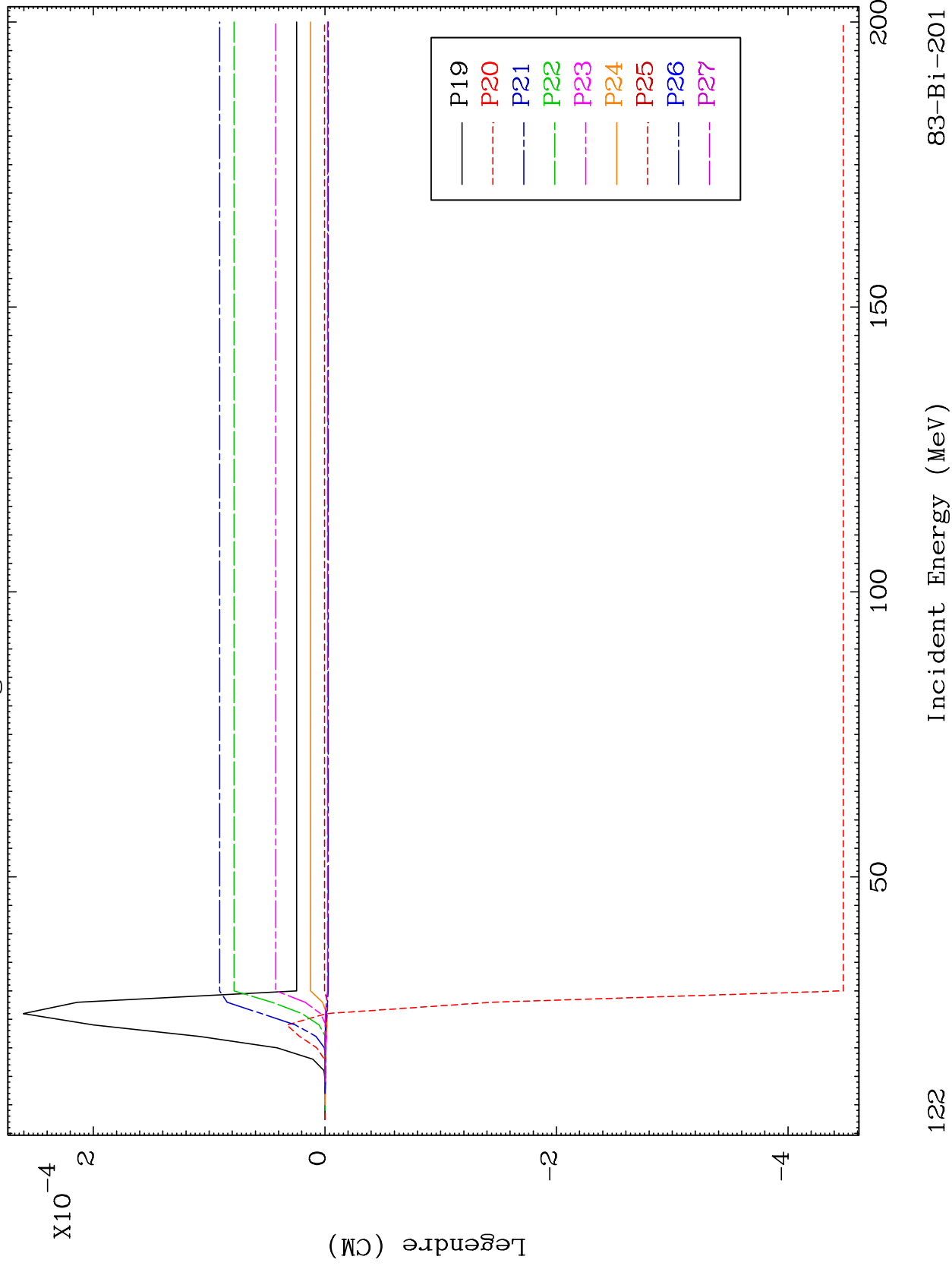
83-Bi-201



MAT 8301

83-Bi-201

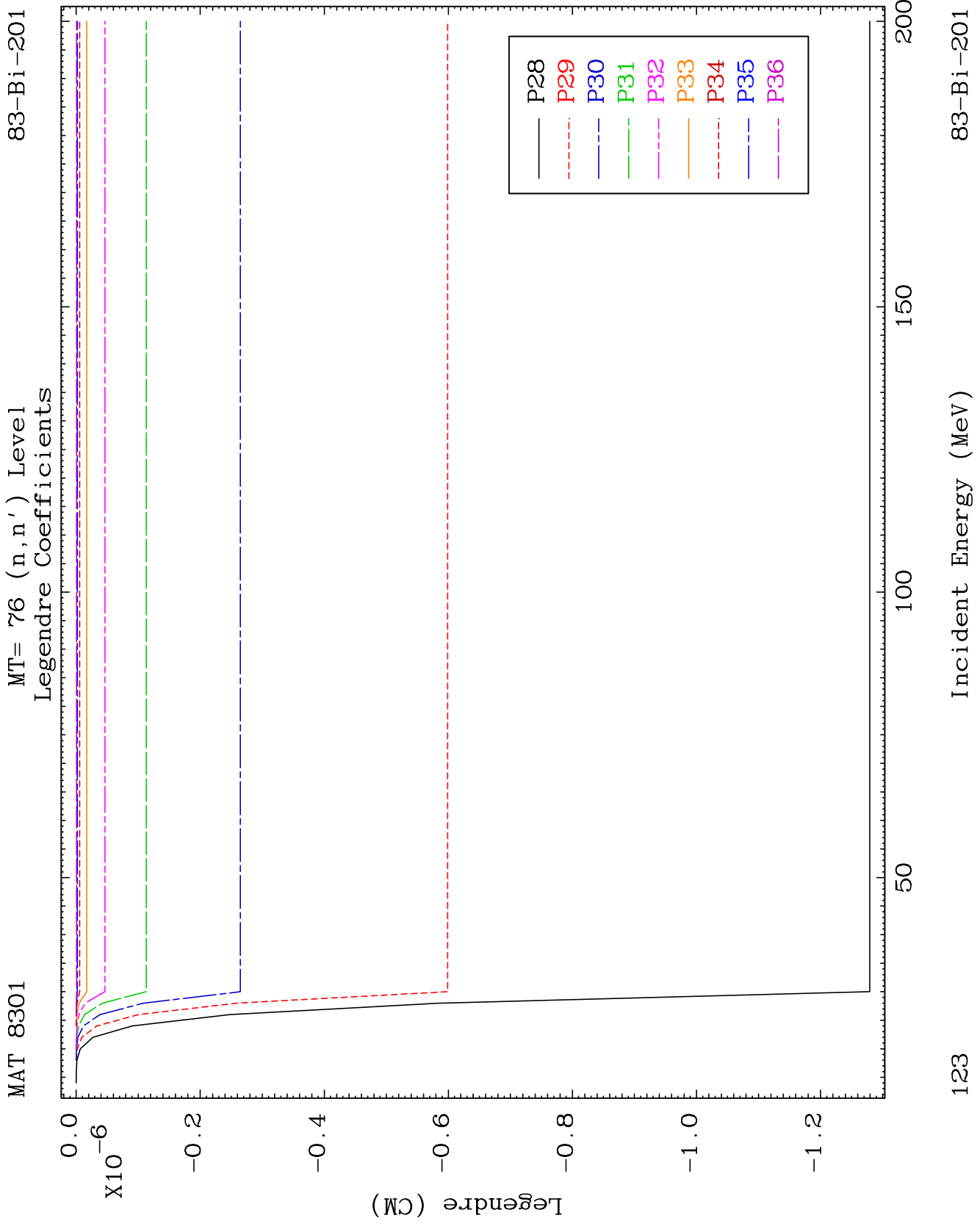
MT= 76 (n,n') Level
Legendre Coefficients



122

Incident Energy (MeV)

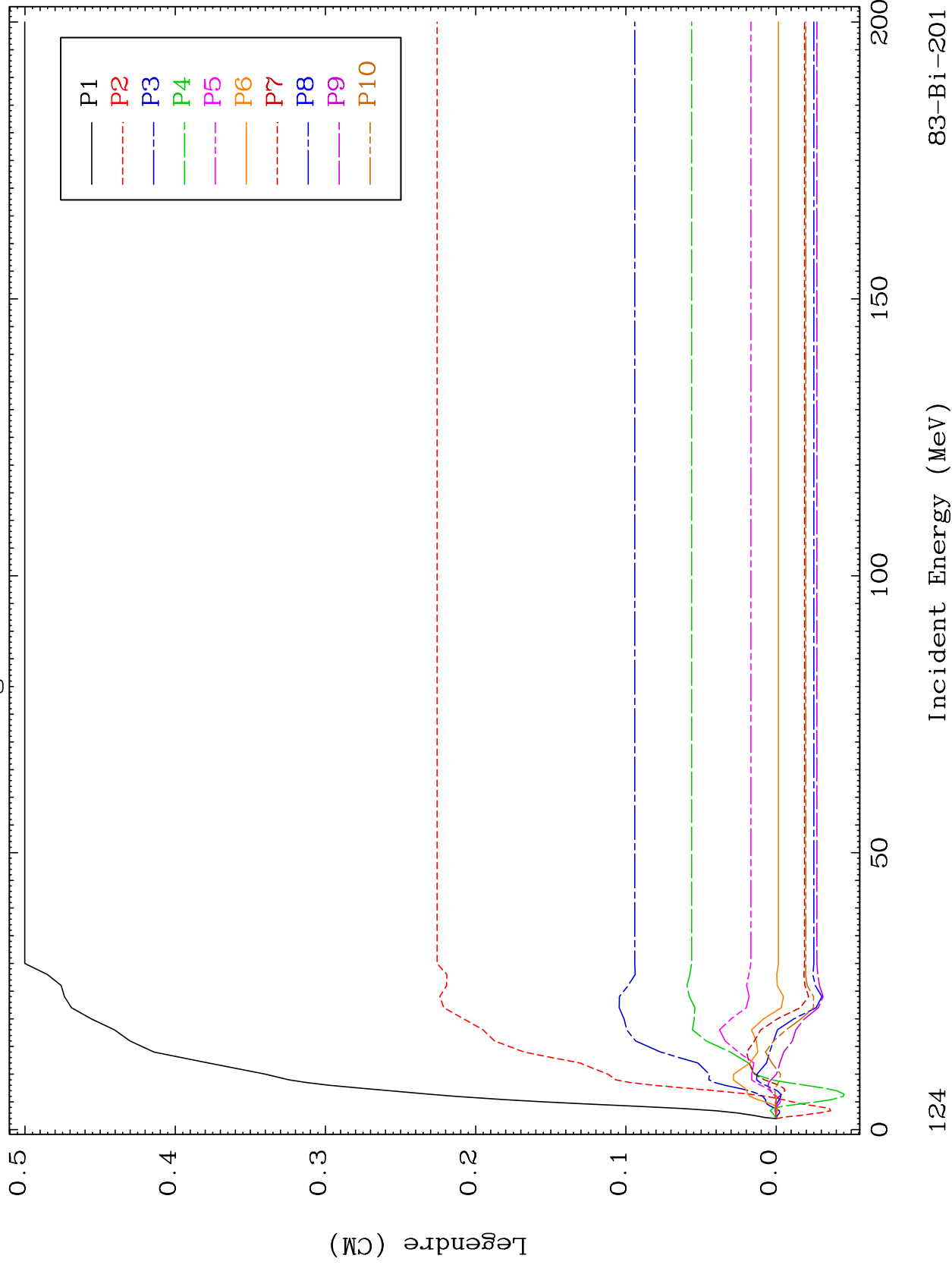
83-Bi-201



MAT 8301

MT= 77 (n,n') Level
Legendre Coefficients

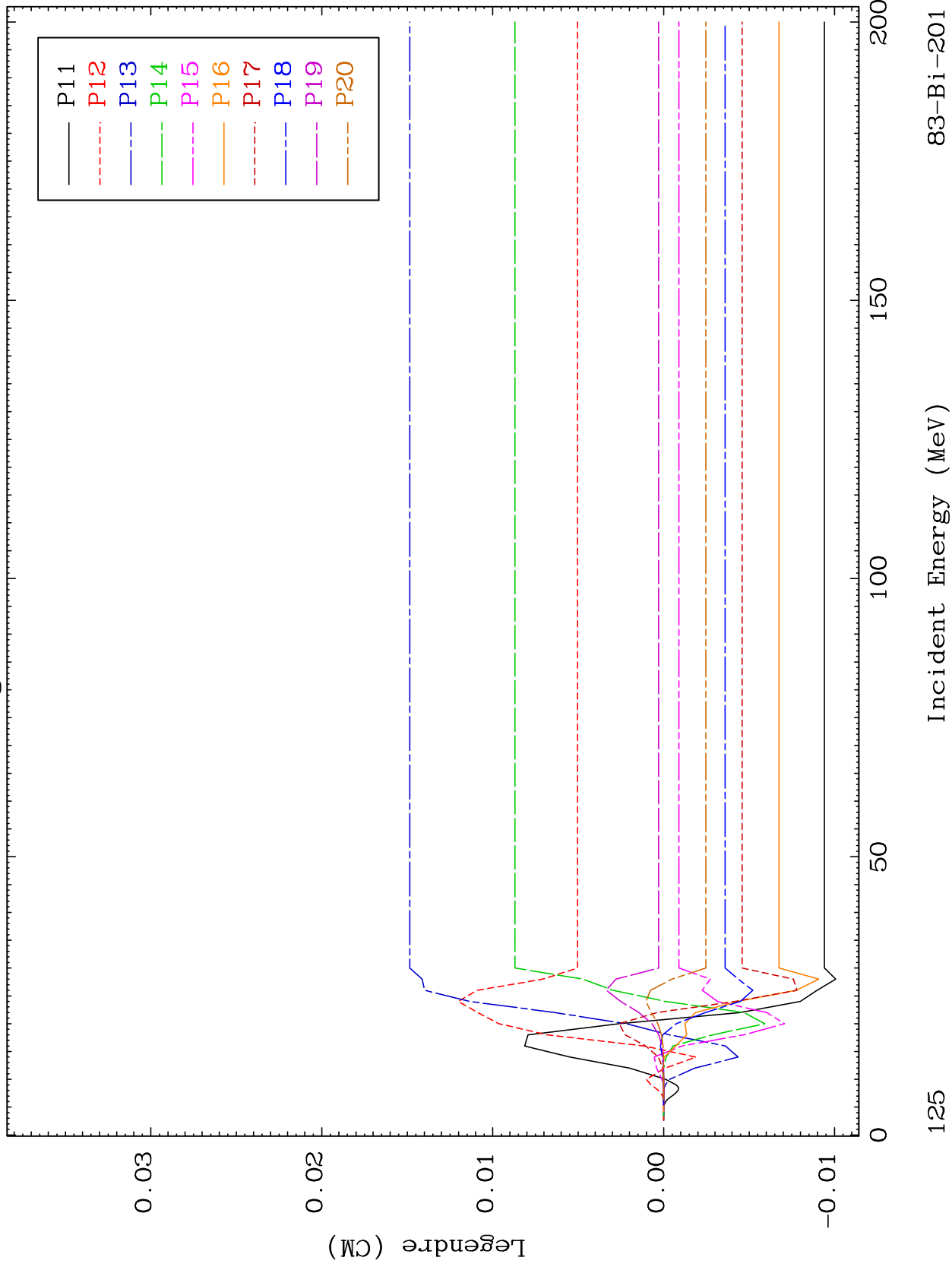
83-Bi-201



MAT 8301

MT= 77 (n,n') Level
Legendre Coefficients

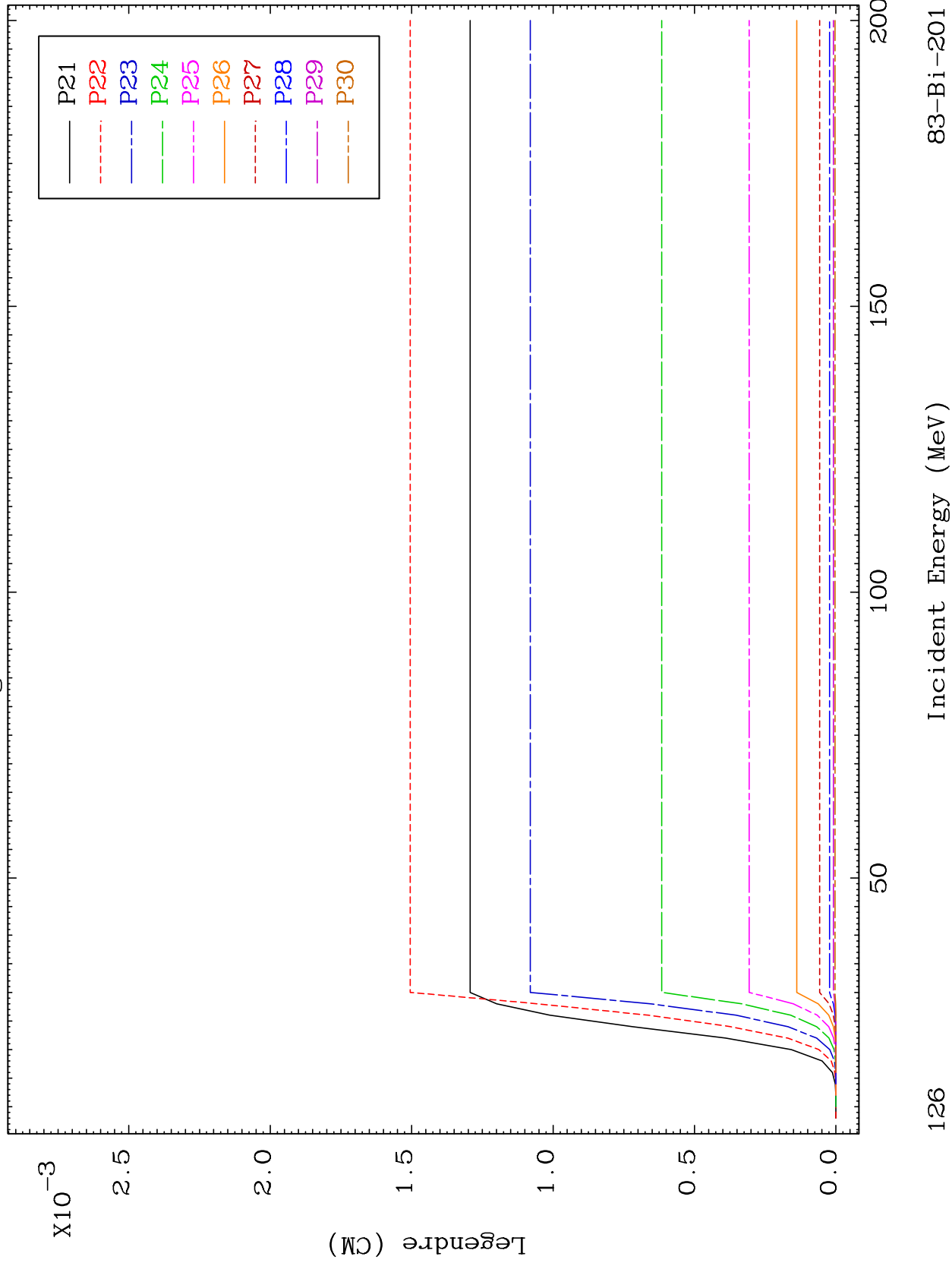
83-Bi-201



MAT 8301

MT= 77 (n,n') Level
Legendre Coefficients

83-Bi-201



126

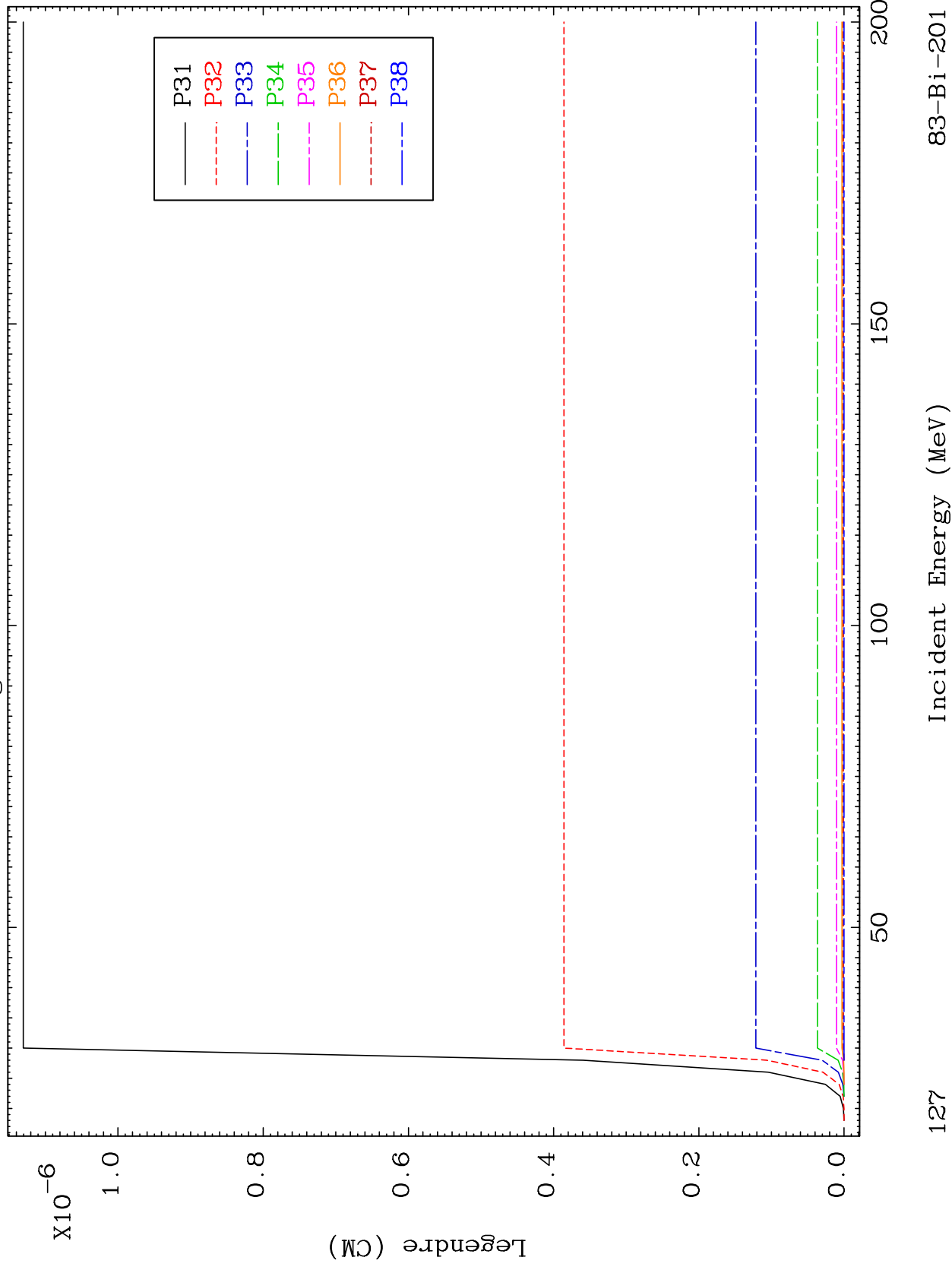
Incident Energy (MeV)

83-Bi-201

MAT 8301

MT= 77 (n,n') Level
Legendre Coefficients

83-Bi-201

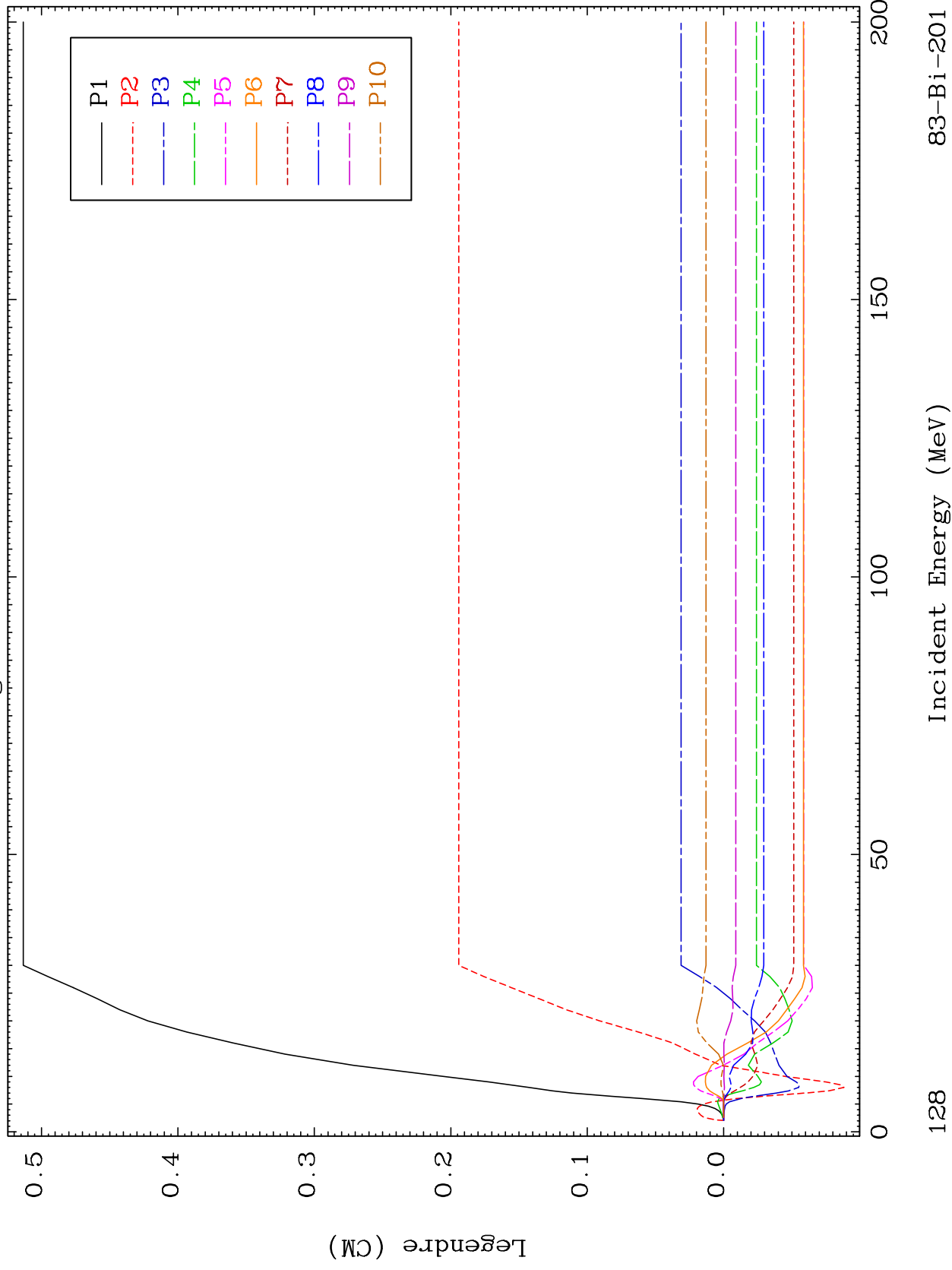


127

MAT 8301

MT= 78 (n,n') Level
Legendre Coefficients

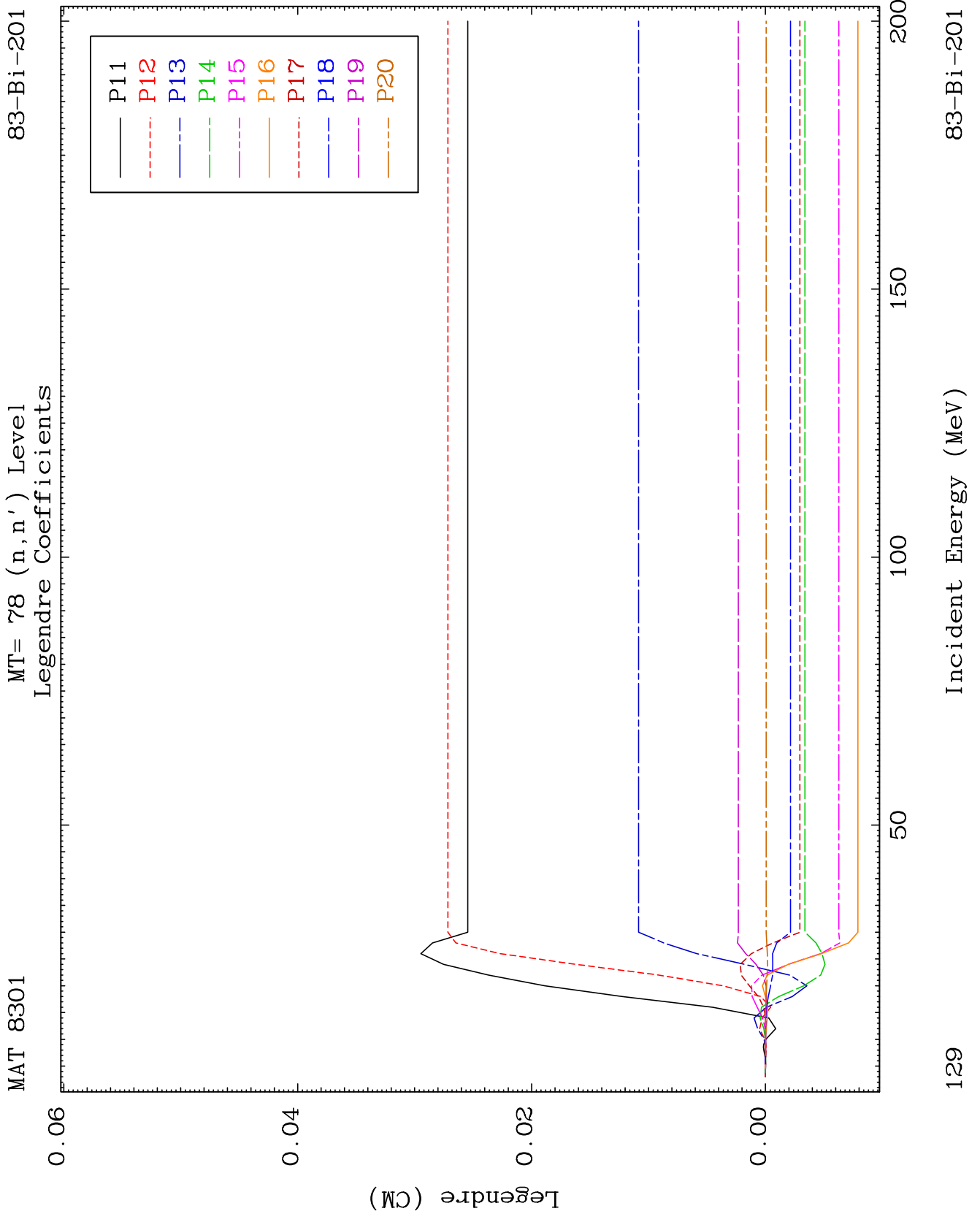
83-Bi-201



128

Incident Energy (MeV)

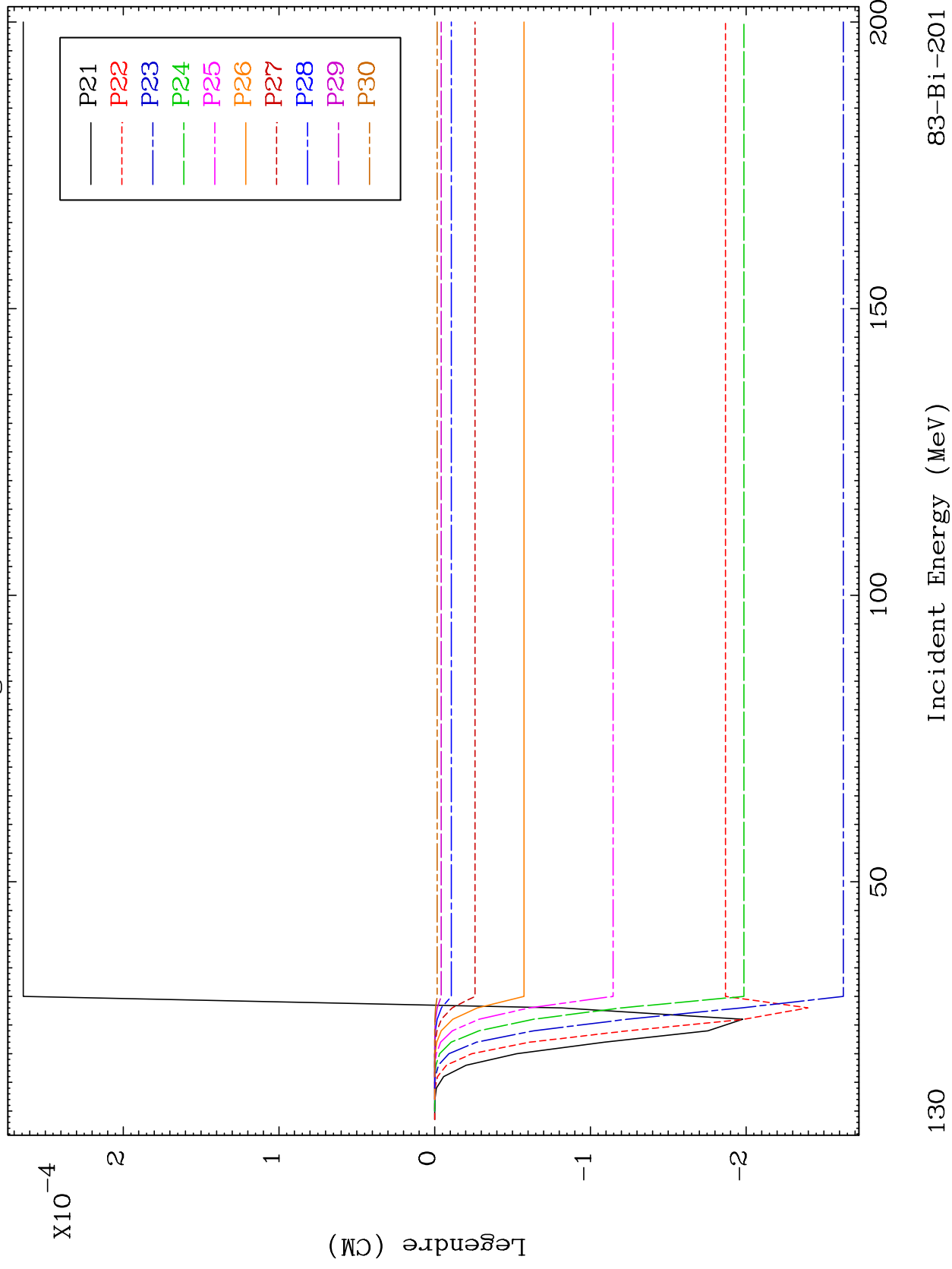
83-Bi-201



MAT 8301

MT= 78 (n,n') Level
Legendre Coefficients

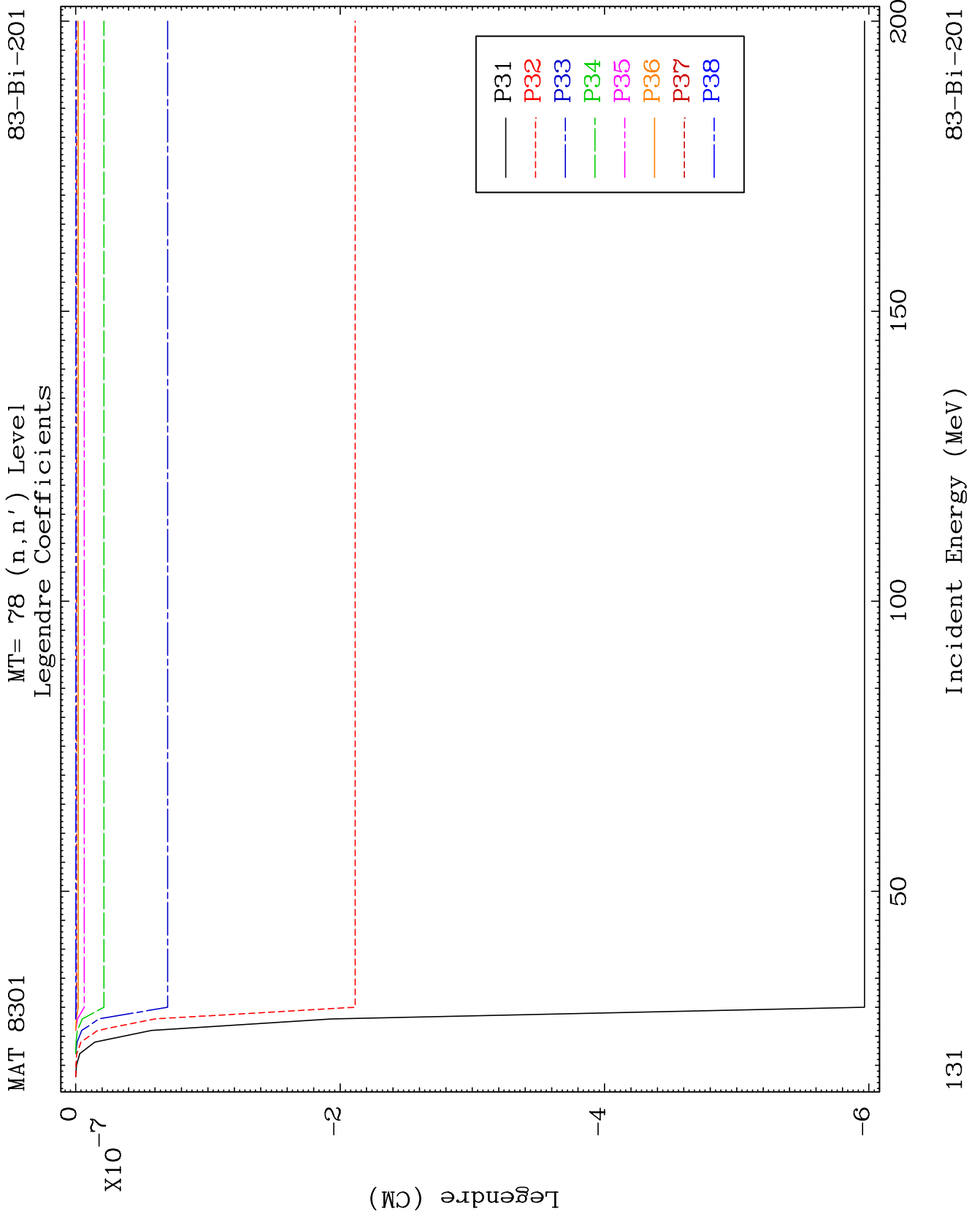
83-Bi-201



83-Bi-201

Incident Energy (MeV)

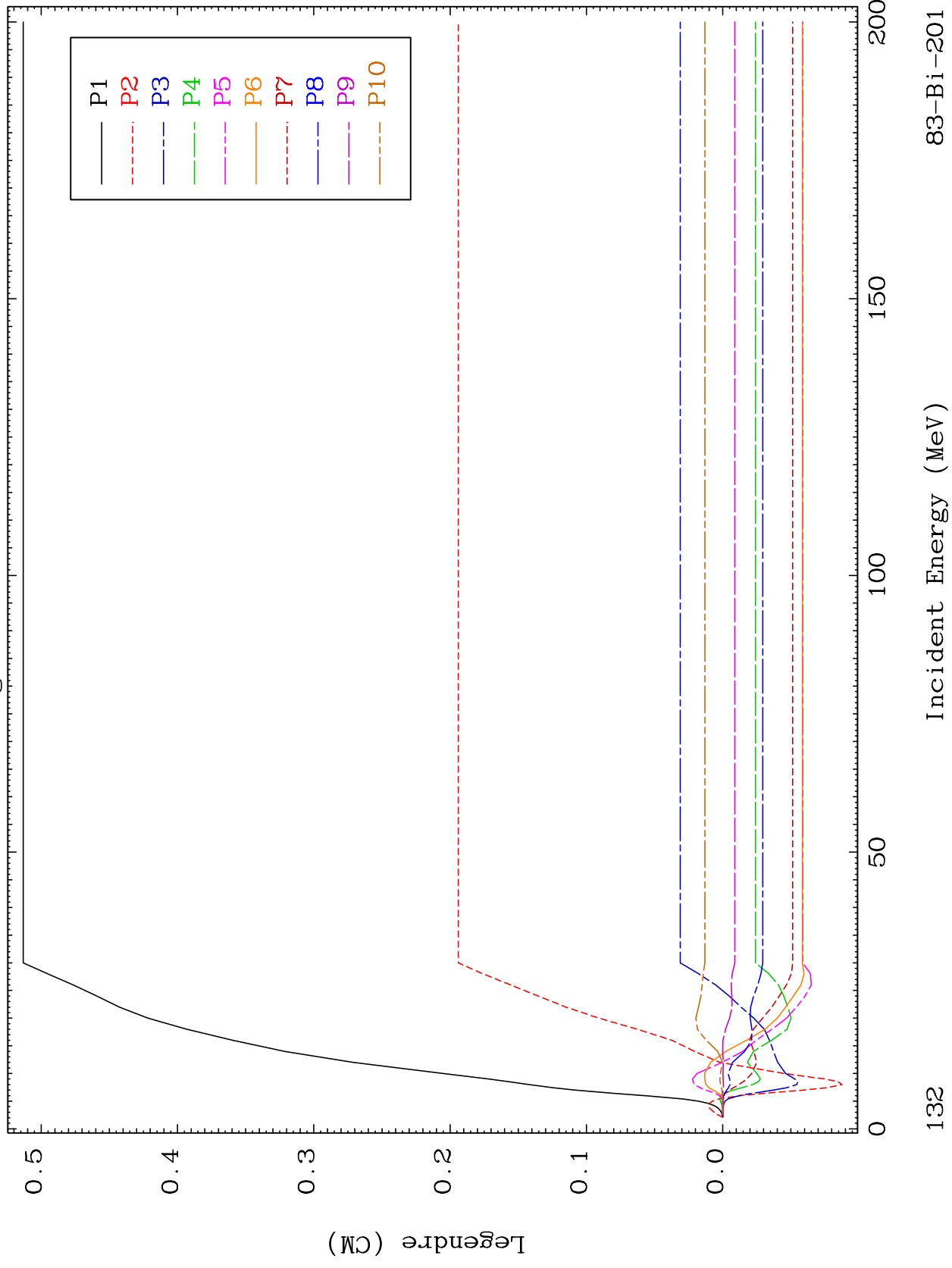
130



MAT 8301

MT= 79 (n,n') Level
Legendre Coefficients

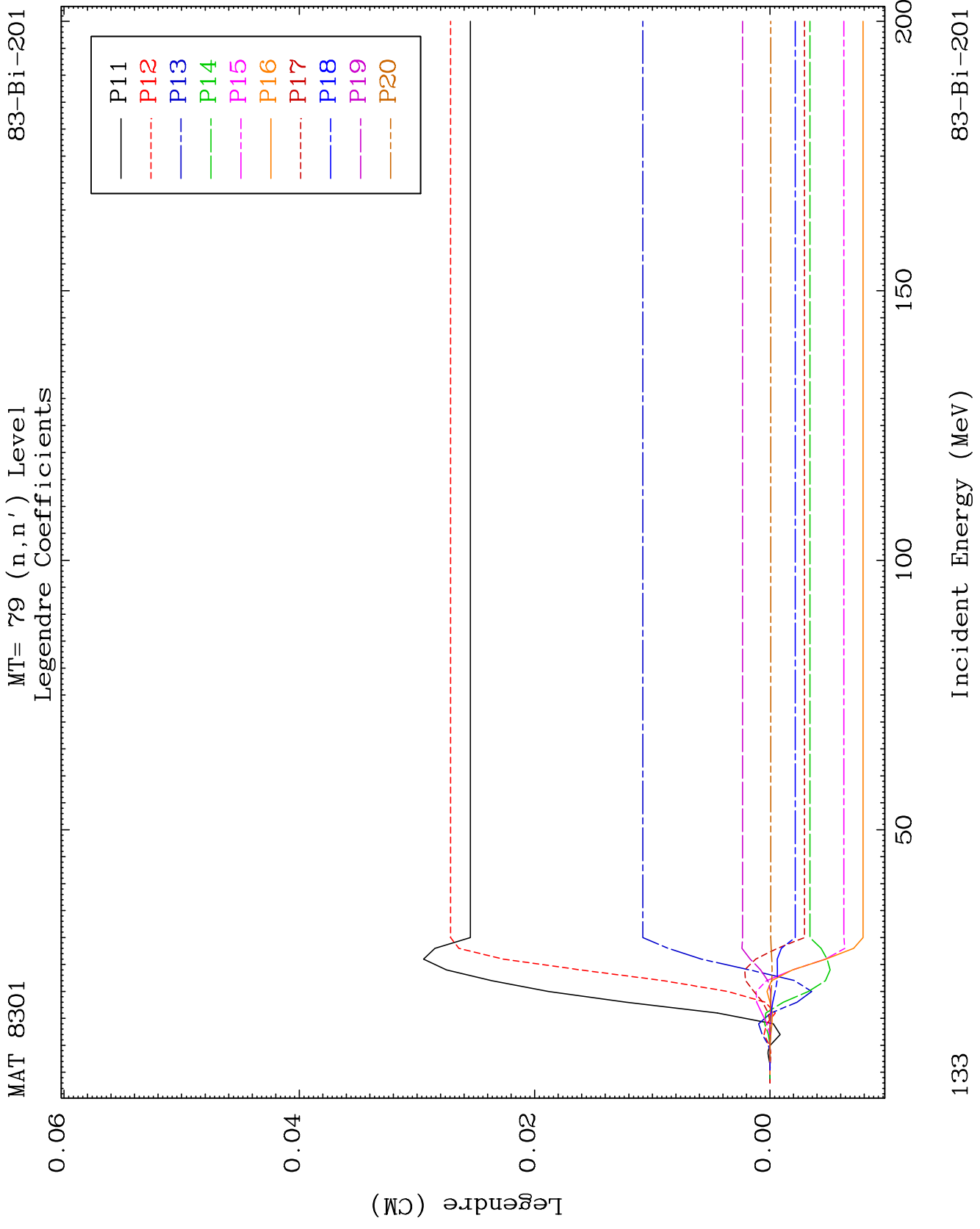
83-Bi-201



83-Bi-201

Incident Energy (MeV)

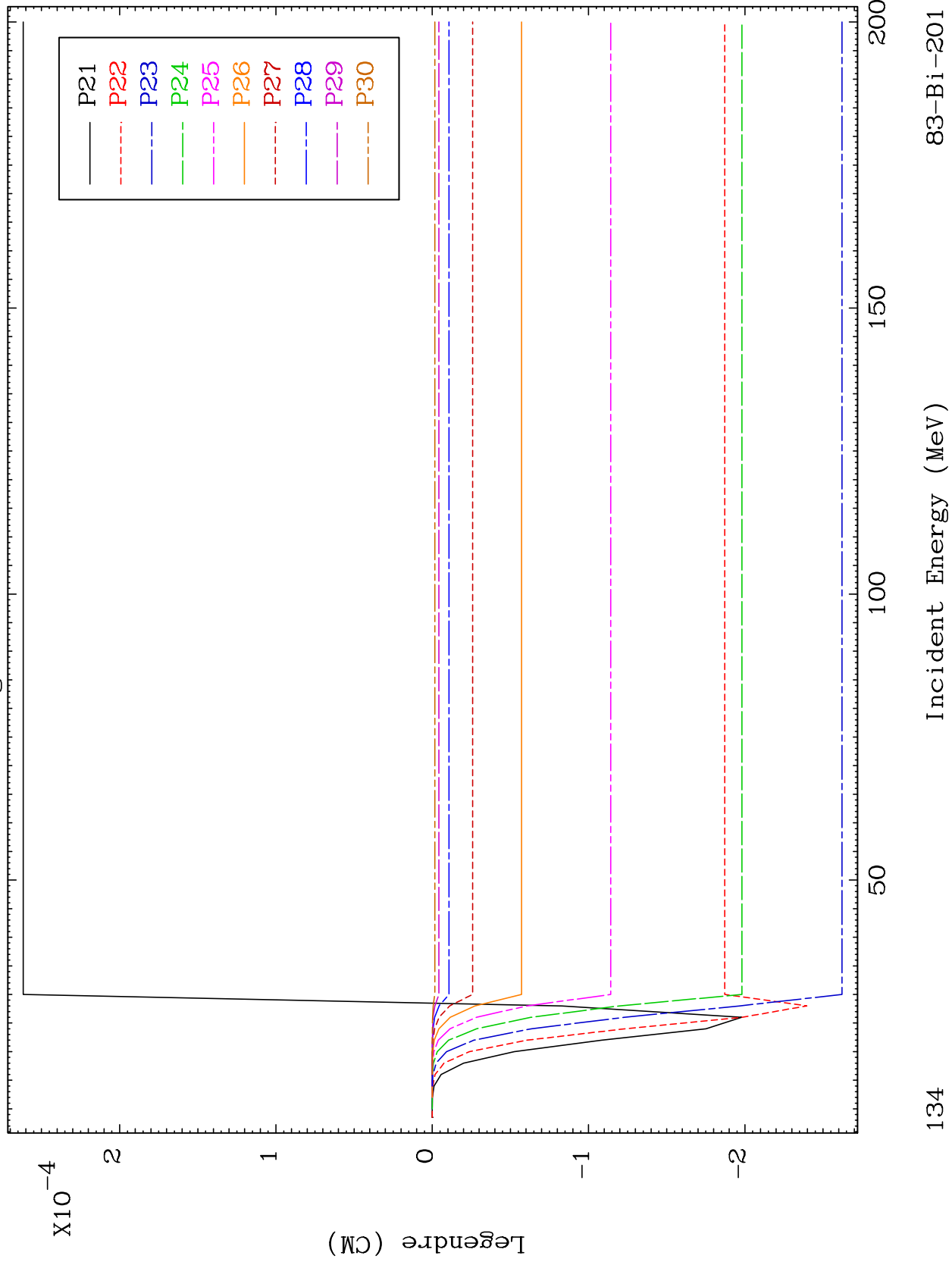
132



MAT 8301

MT= 79 (n,n') Level
Legendre Coefficients

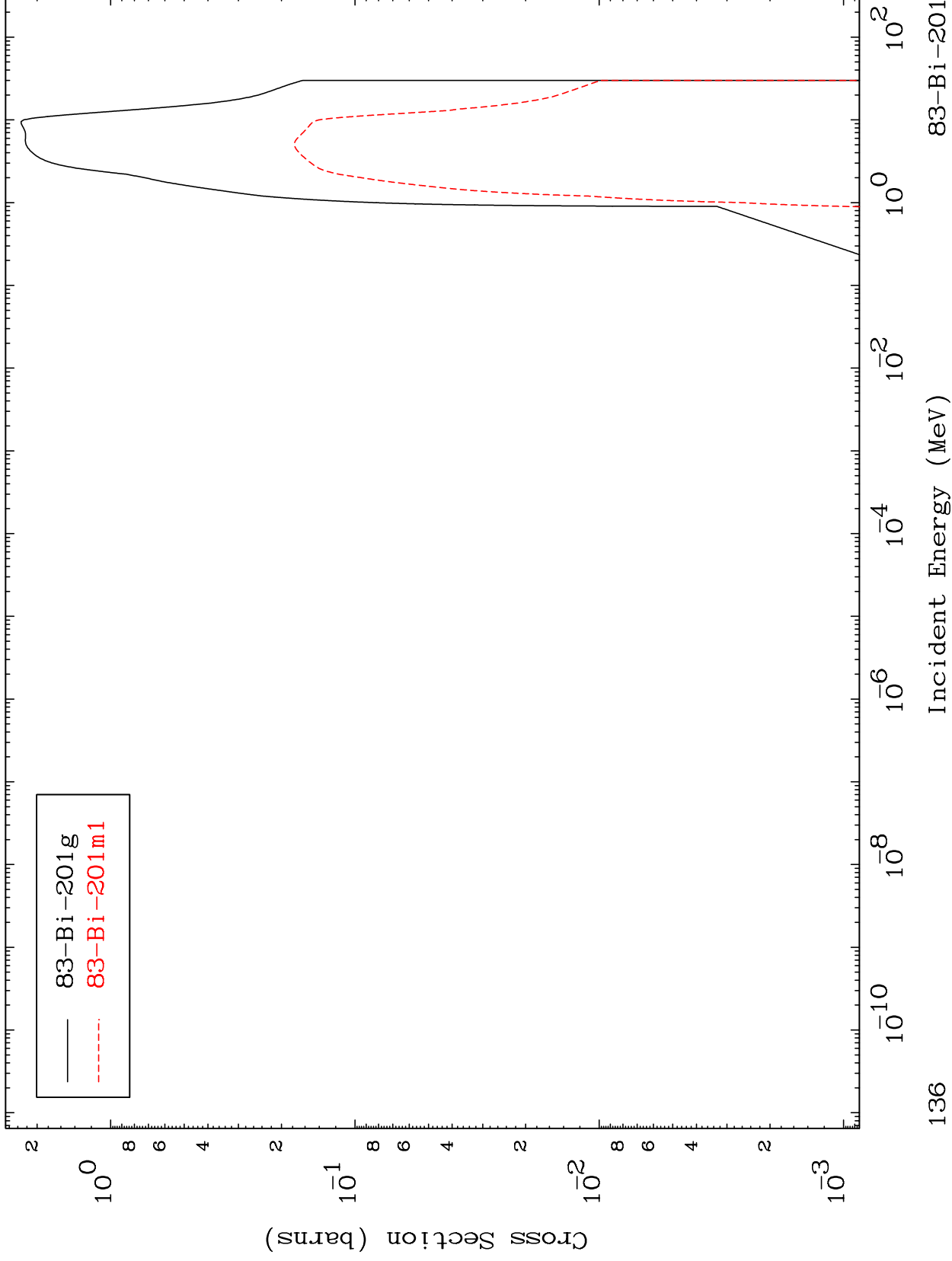
83-Bi-201



MAT 8301

Inelastic
Radionuclide Production Cross Section

83-Bi-201

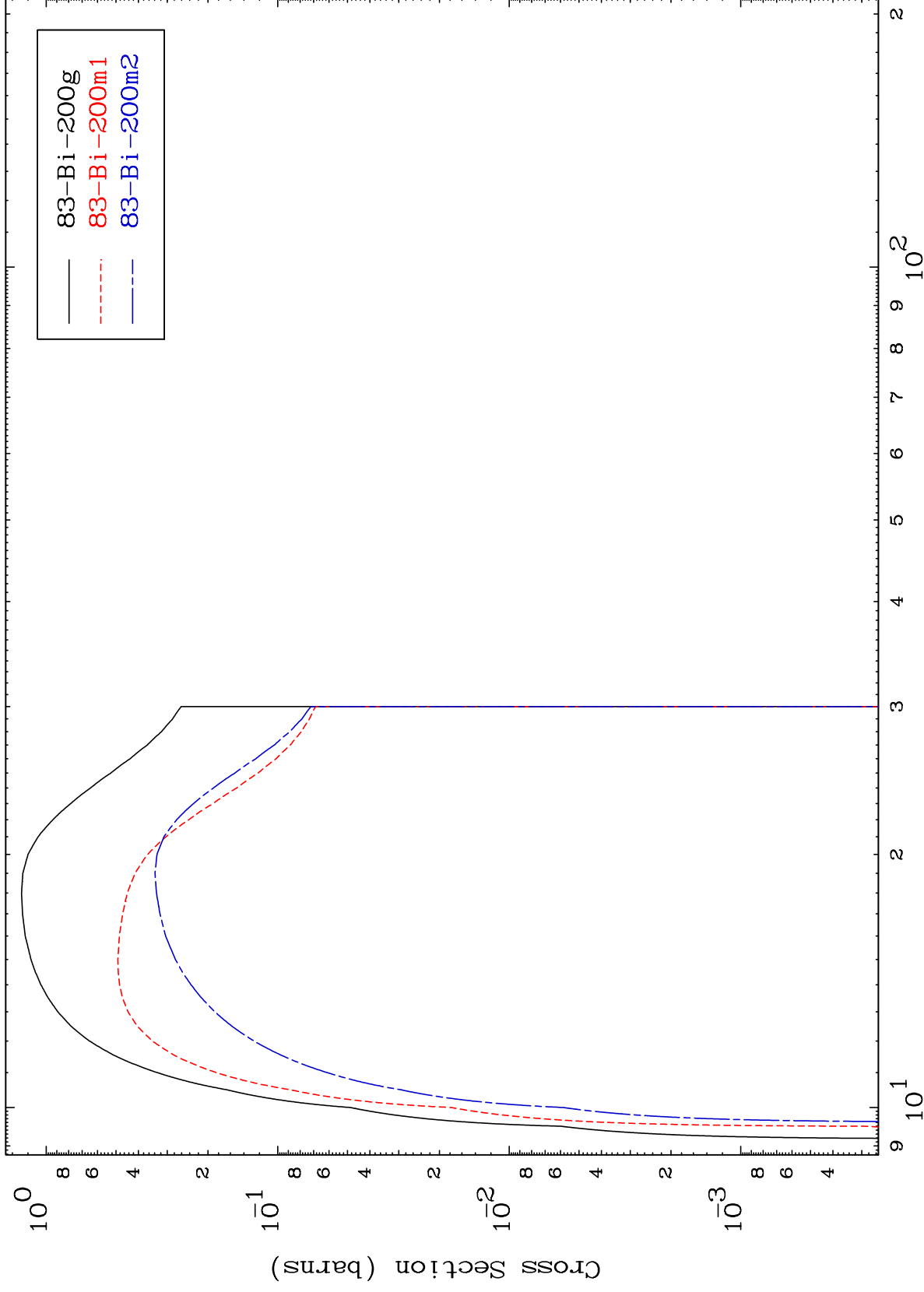


MAT 8301

(n,2n)

83-Bi-201

Radionuclide Production Cross Section



Incident Energy (MeV)

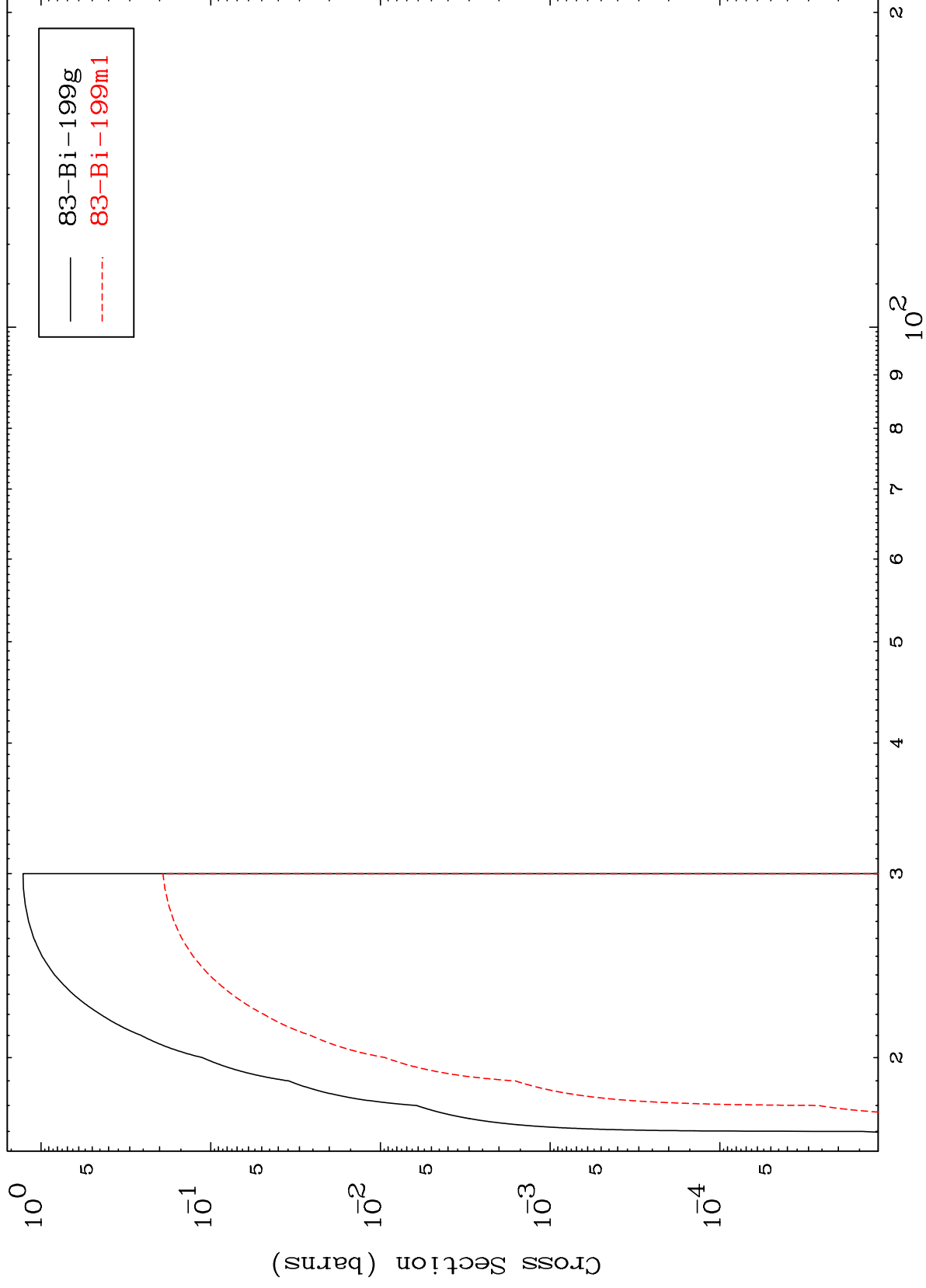
83-Bi-201

137

MAT 8301

83-Bi-201

(n,3n)
Radionuclide Production Cross Section



138

83-Bi-201

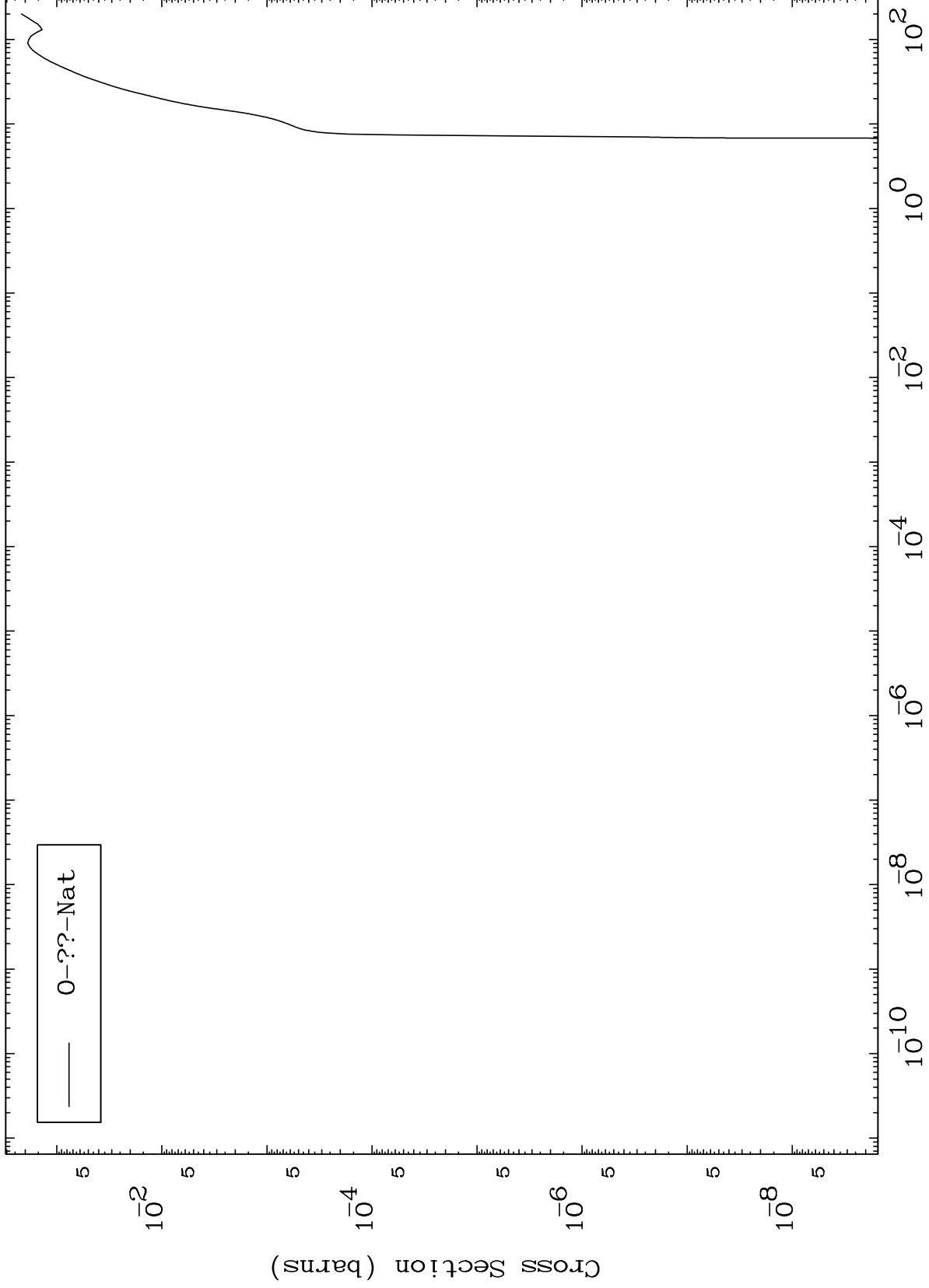
Incident Energy (MeV)

MAT 8301

Fission

83-Bi-201

Radionuclide Production Cross Section

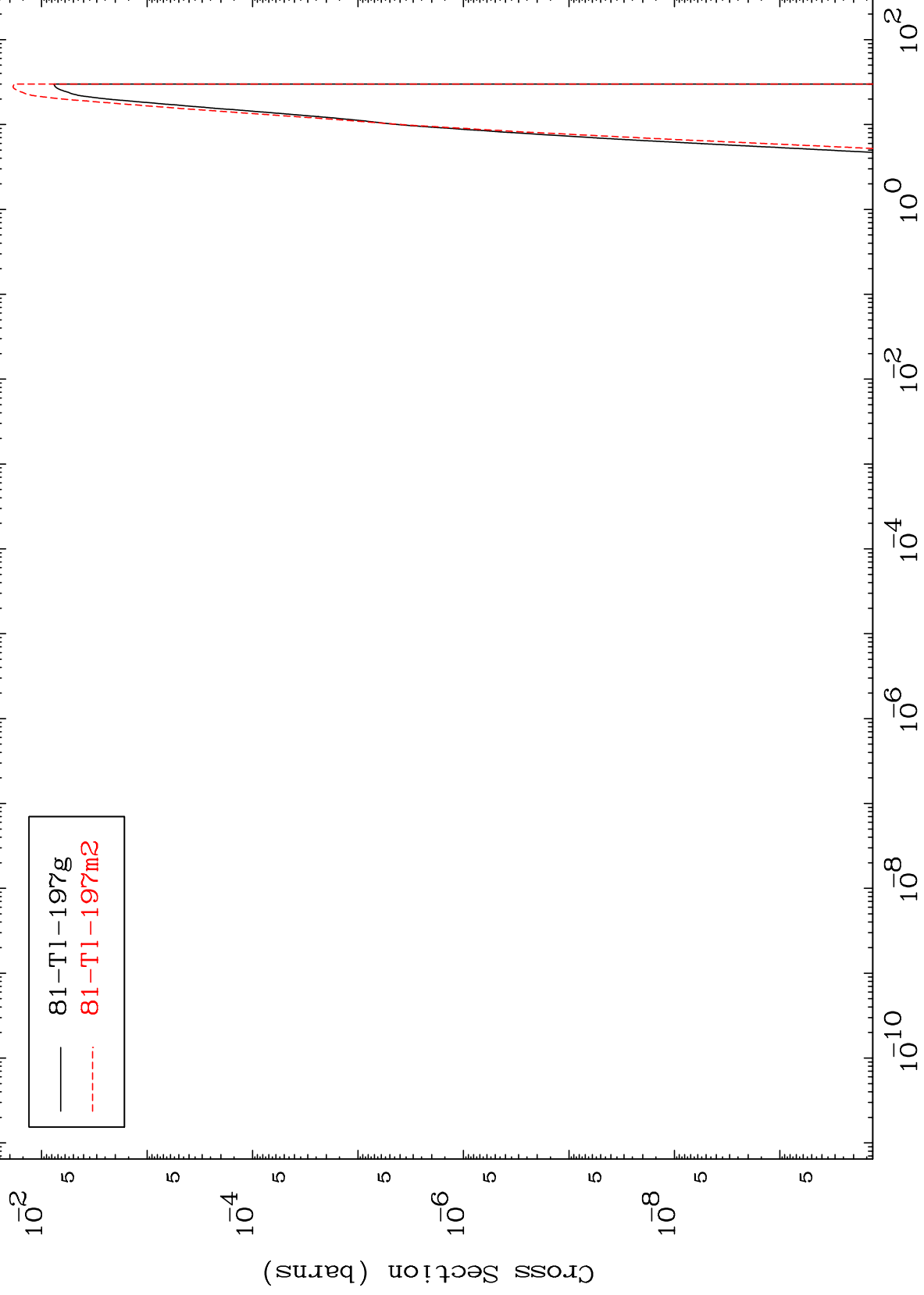


MAT 8301

$(n, n') \alpha$

$^{83}\text{Bi}-201$

Radionuclide Production Cross Section

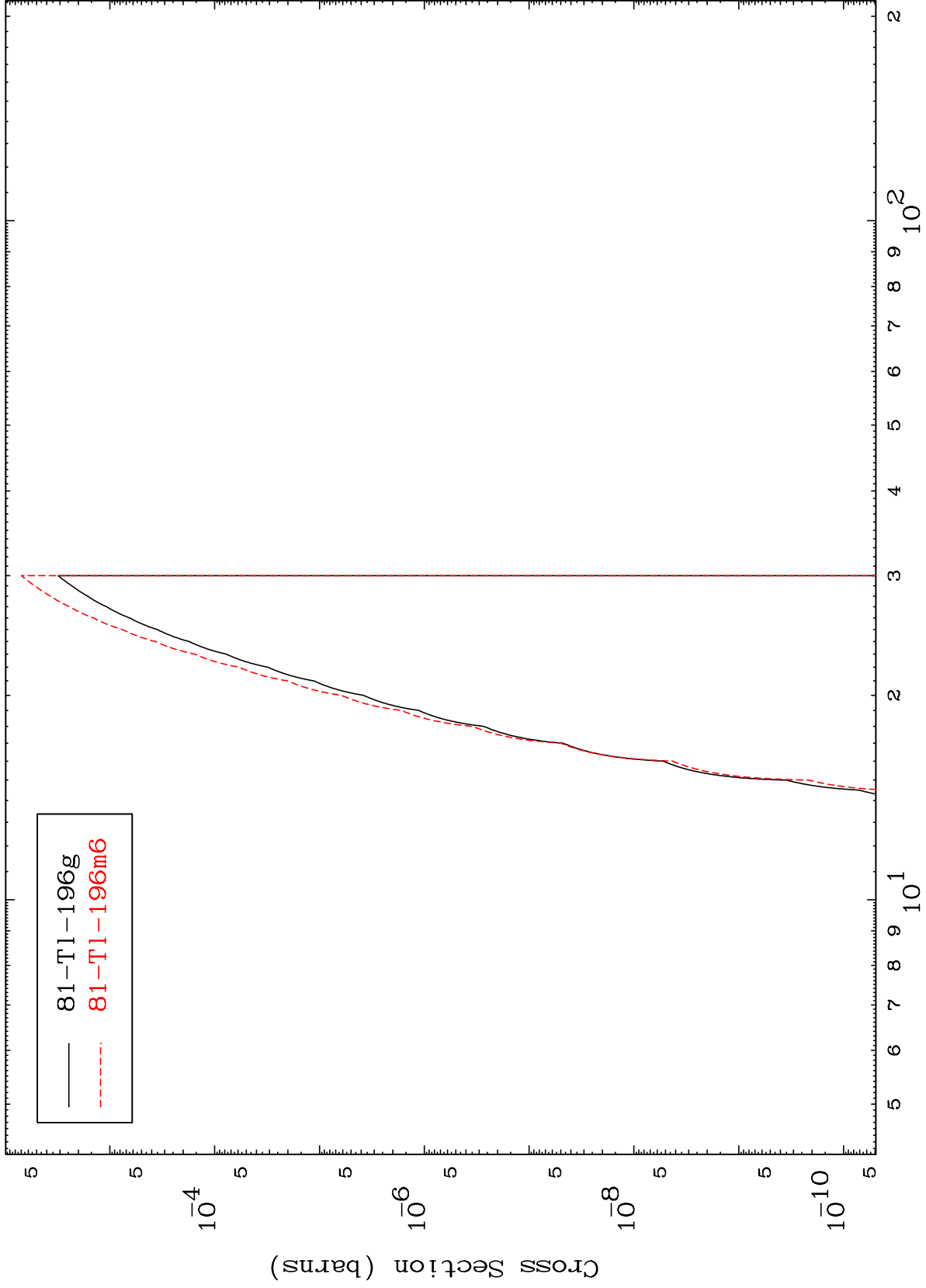


MAT 8301

$(n,2n) \alpha$

83-Bi-201

Radionuclide Production Cross Section



141

Incident Energy (MeV)

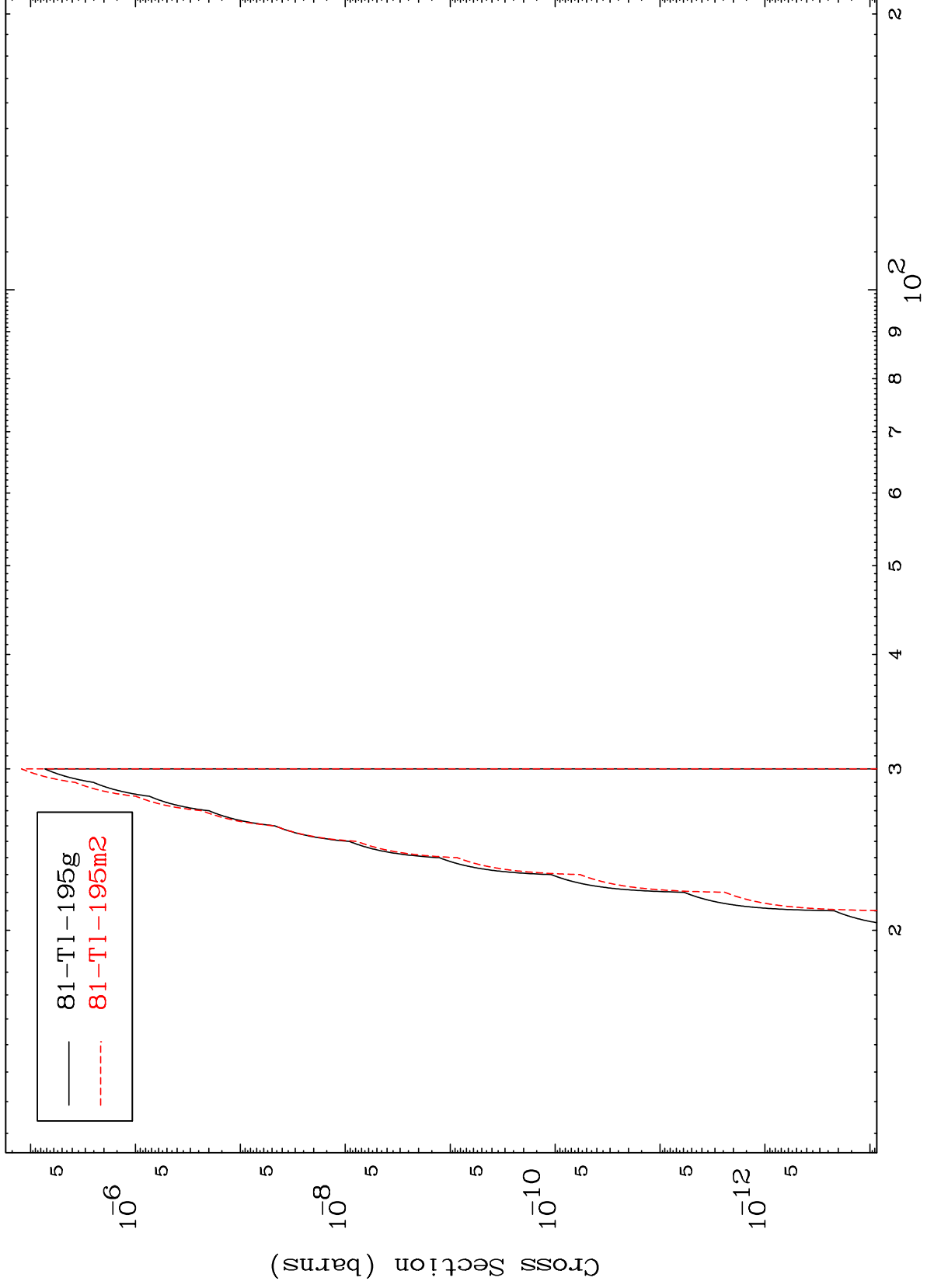
83-Bi-201

MAT 8301

(n,3n) α

83-Bi-201

Radionuclide Production Cross Section



142

Incident Energy (MeV)

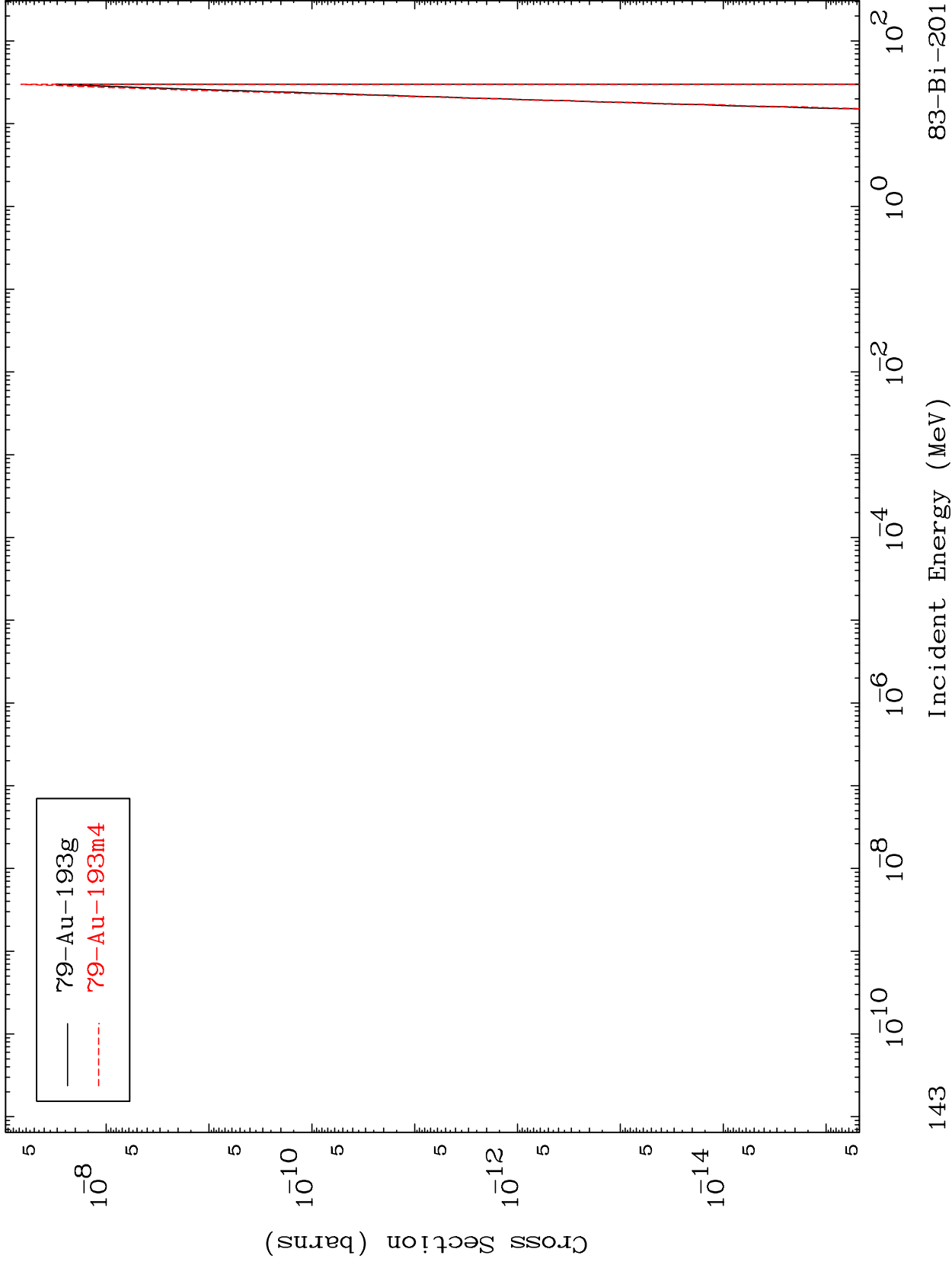
83-Bi-201

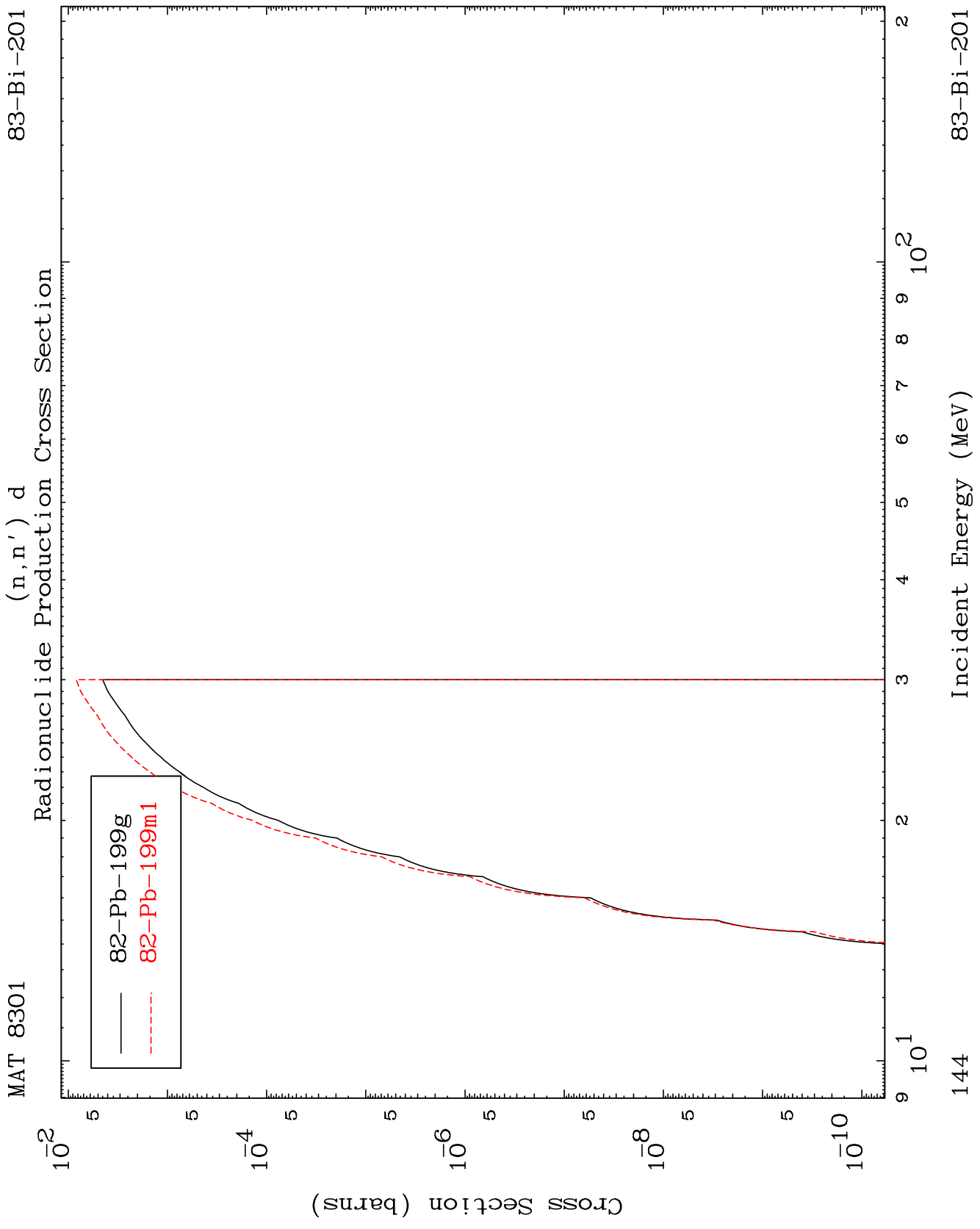
MAT 8301

(n,n') 2 α

83-Bi-201

Radionuclide Production Cross Section



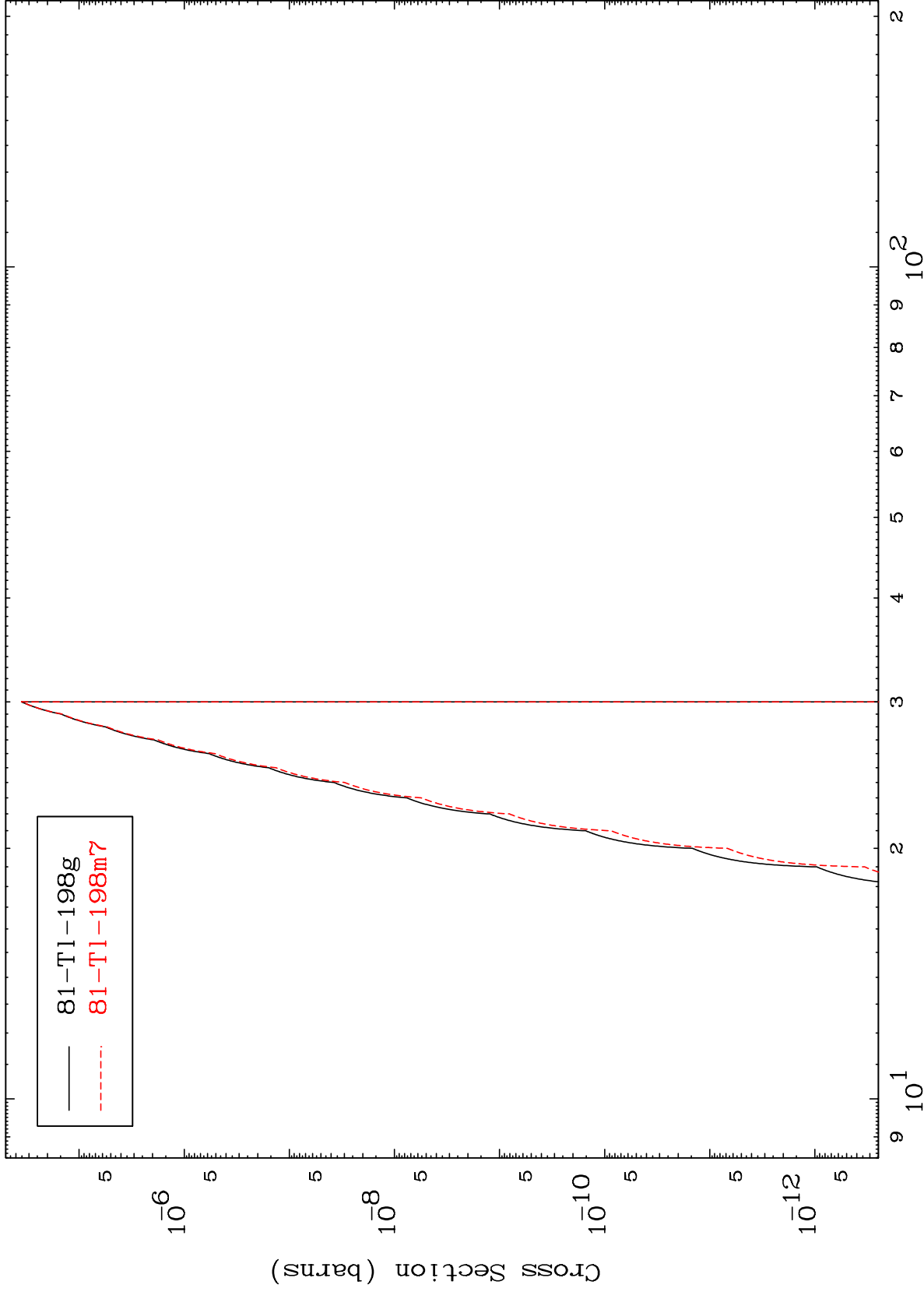


MAT 8301

(n,n') He-3

83-Bi-201

Radionuclide Production Cross Section



145

Incident Energy (MeV)

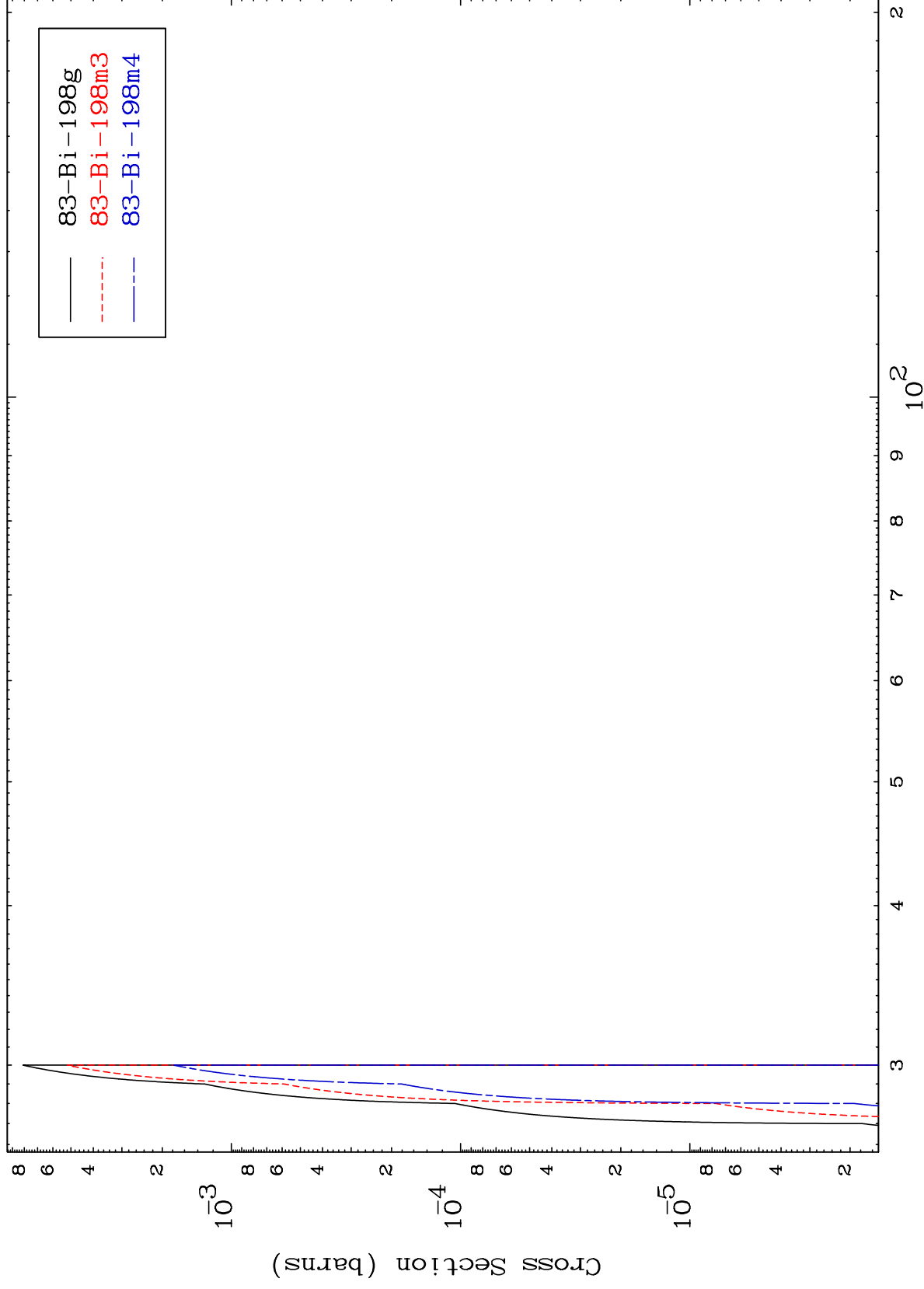
83-Bi-201

MAT 8301

(n,4n)

83-Bi-201

Radionuclide Production Cross Section



146

Incident Energy (MeV)

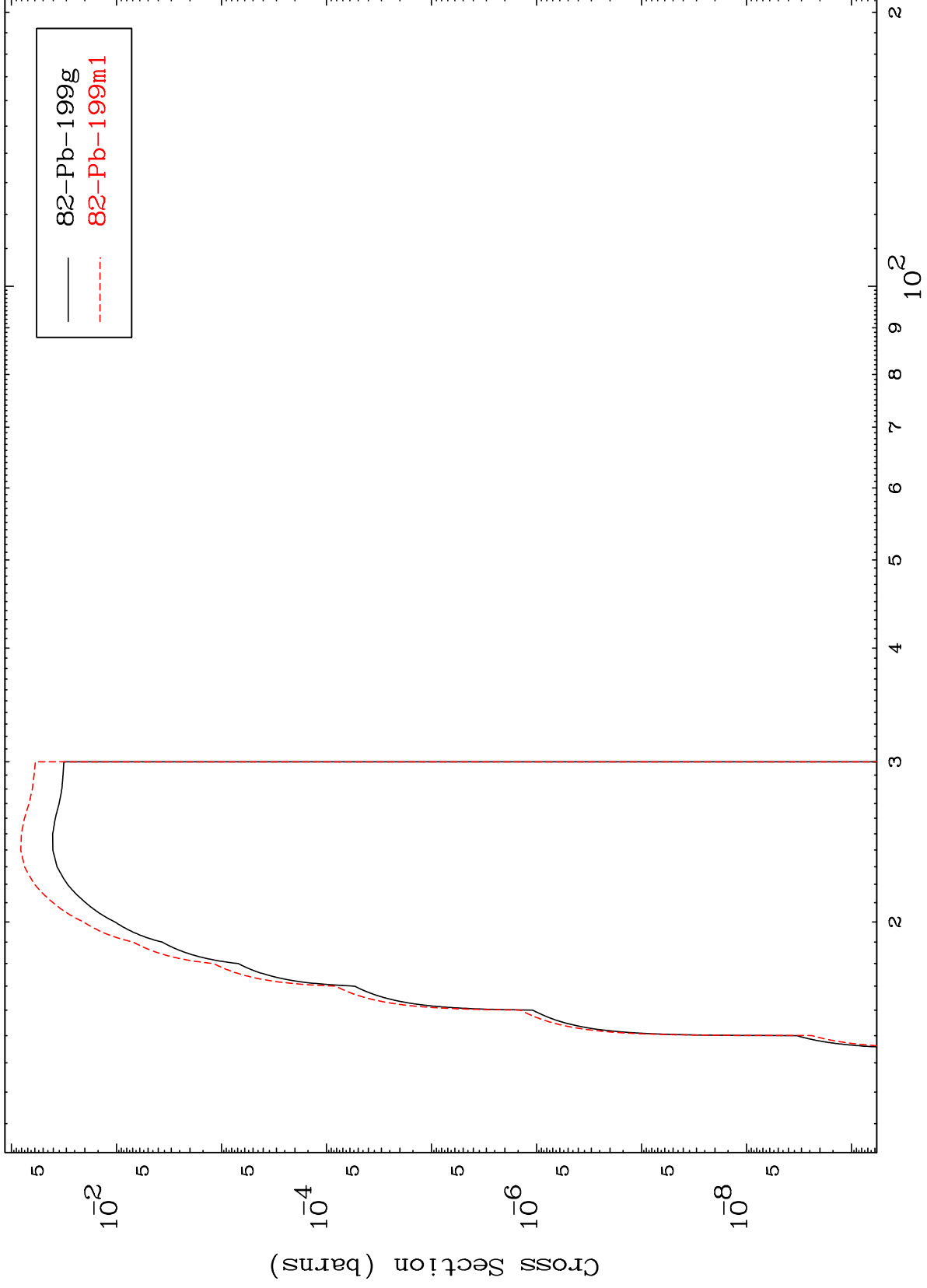
83-Bi-201

MAT 8301

(n,2n) p

83-Bi-201

Radionuclide Production Cross Section



147

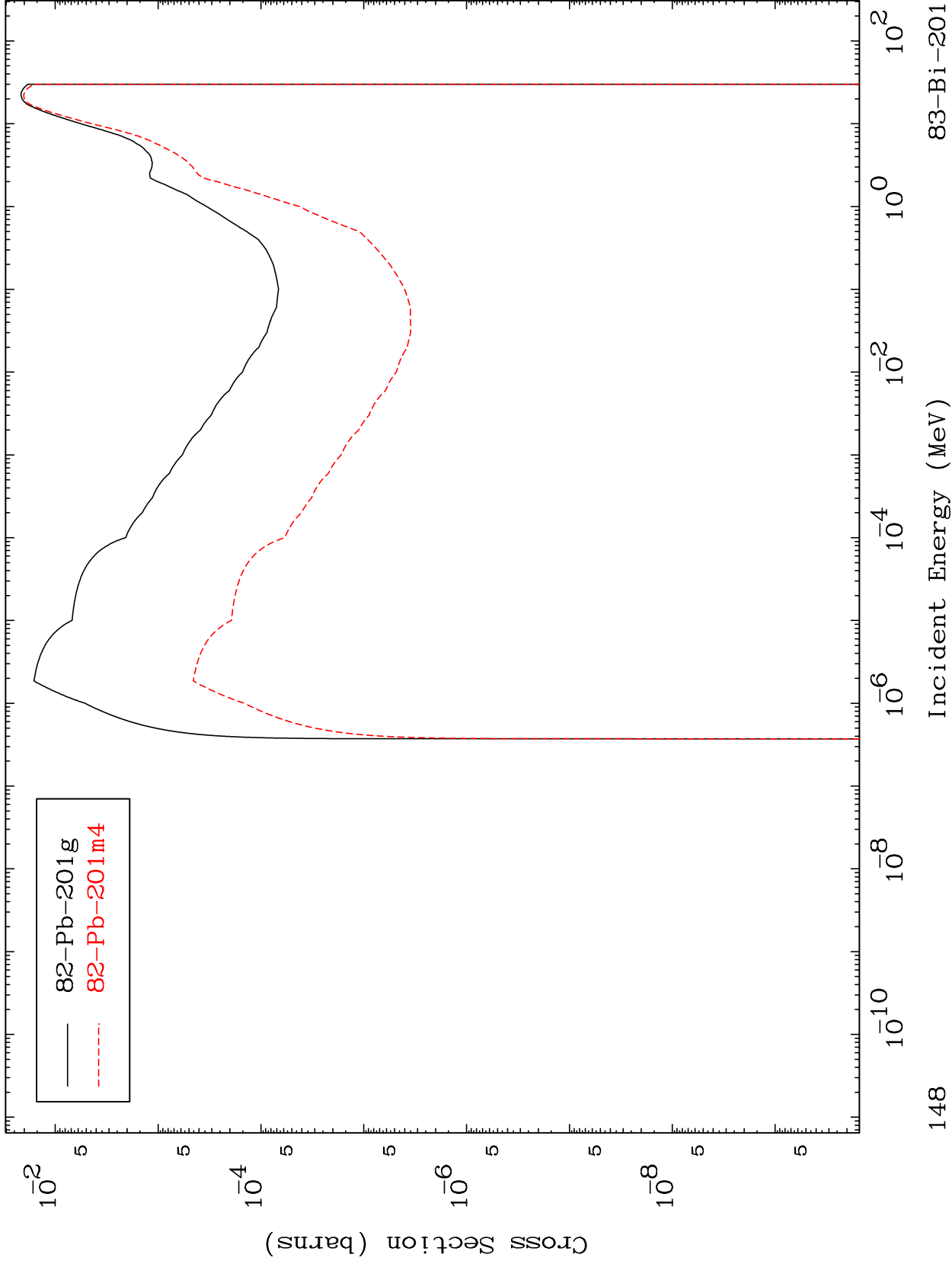
Incident Energy (MeV)

83-Bi-201

MAT 8301

83-Bi-201

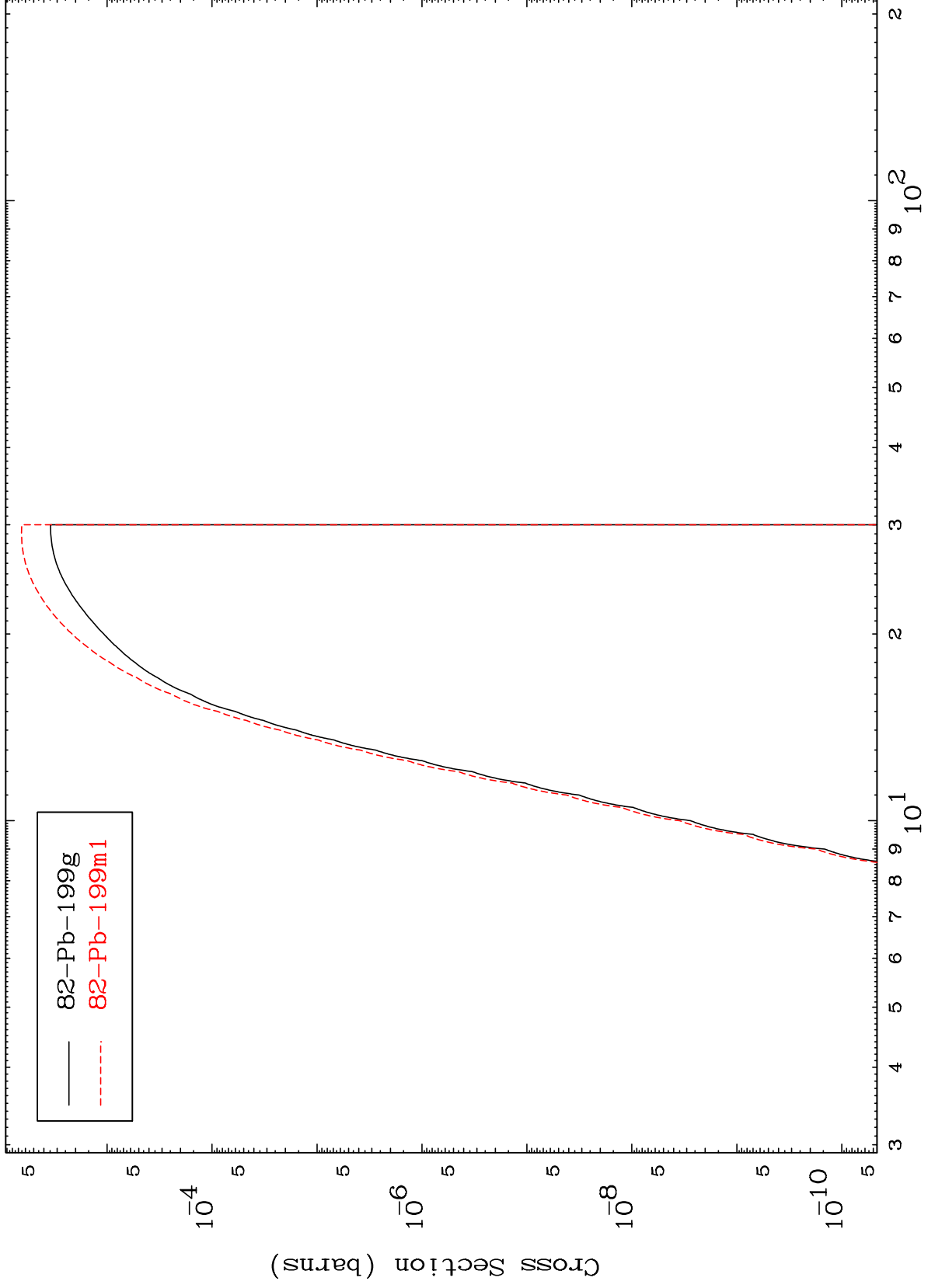
(n,p)
Radionuclide Production Cross Section



MAT 8301

83-Bi-201

(n, t)
Radionuclide Production Cross Section



149

Incident Energy (MeV)

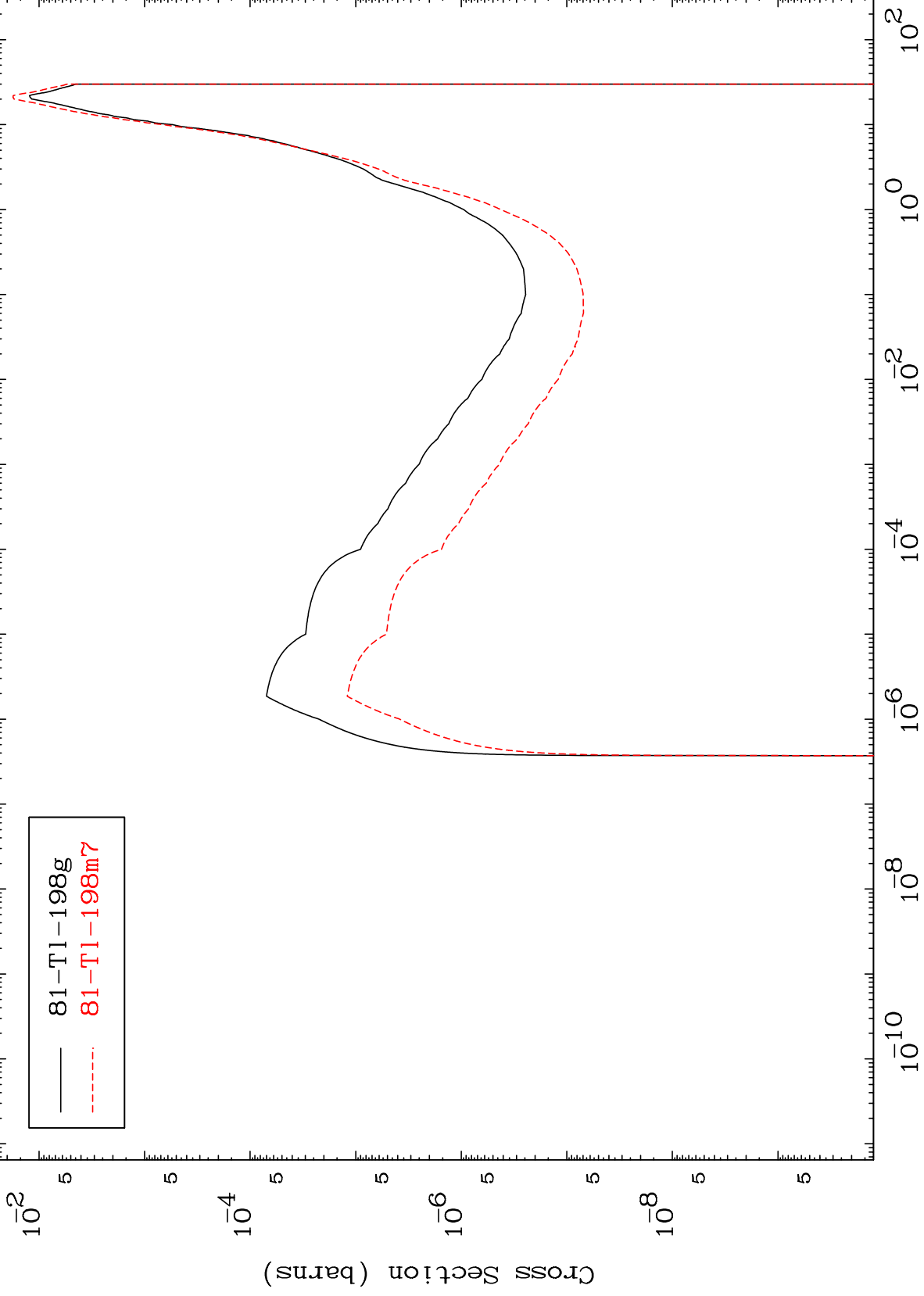
83-Bi-201

MAT 8301

(n, α)

83-Bi-201

Radionuclide Production Cross Section



150

Incident Energy (MeV)

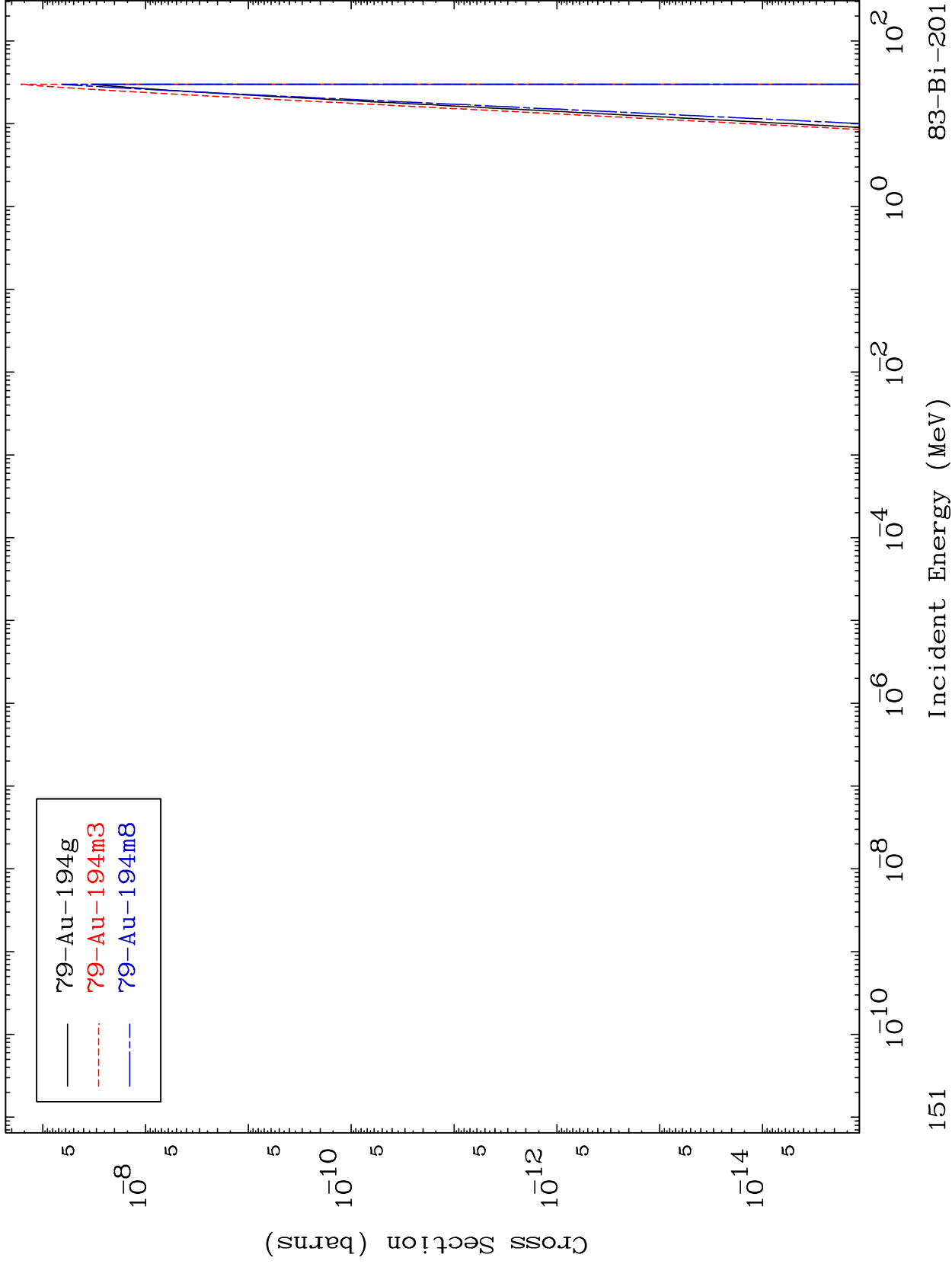
83-Bi-201

MAT 8301

$(n, 2\alpha)$

$^{83}\text{Bi-201}$

Radionuclide Production Cross Section

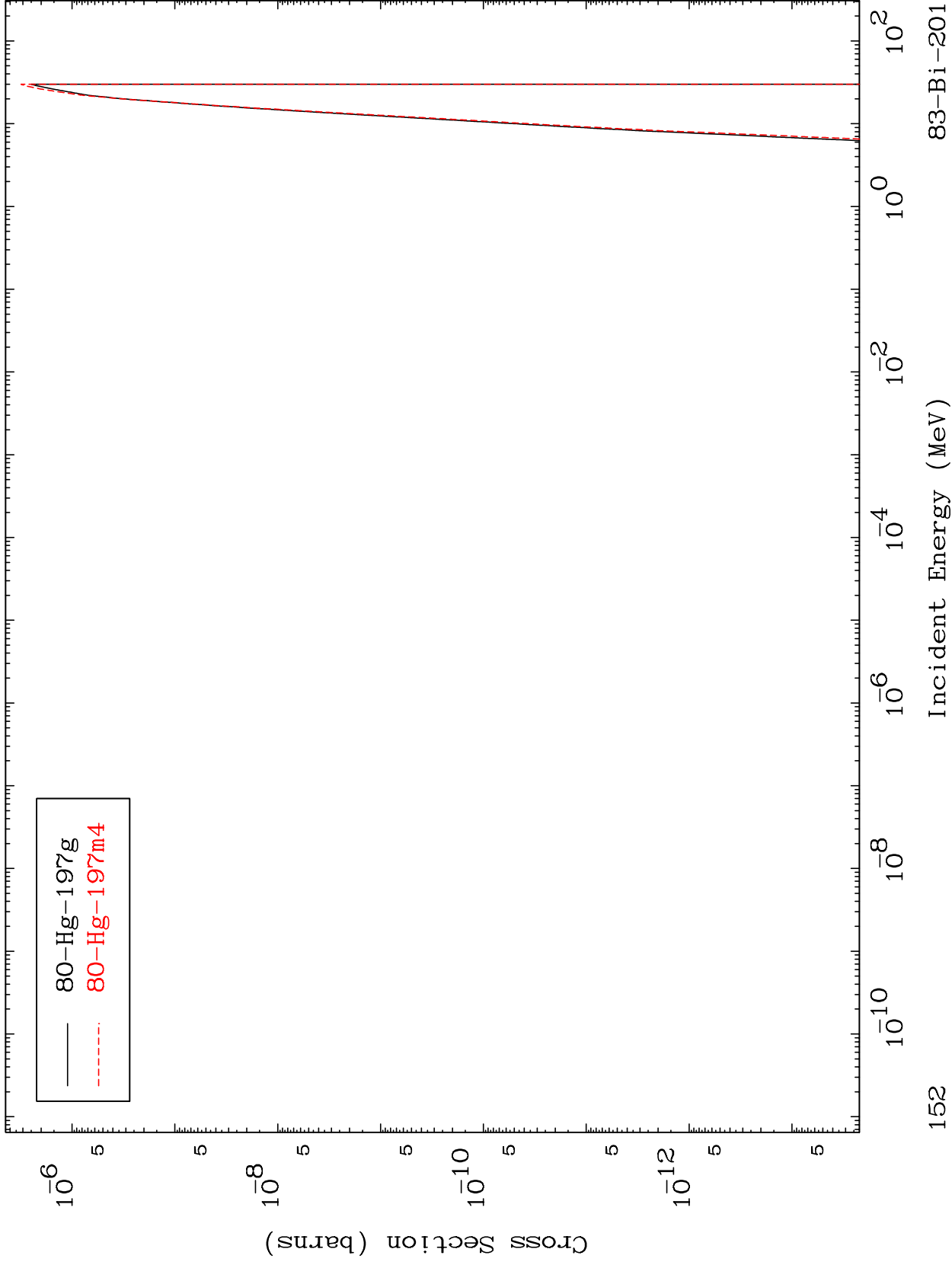


MAT 8301

(n,p) α

83-Bi-201

Radionuclide Production Cross Section

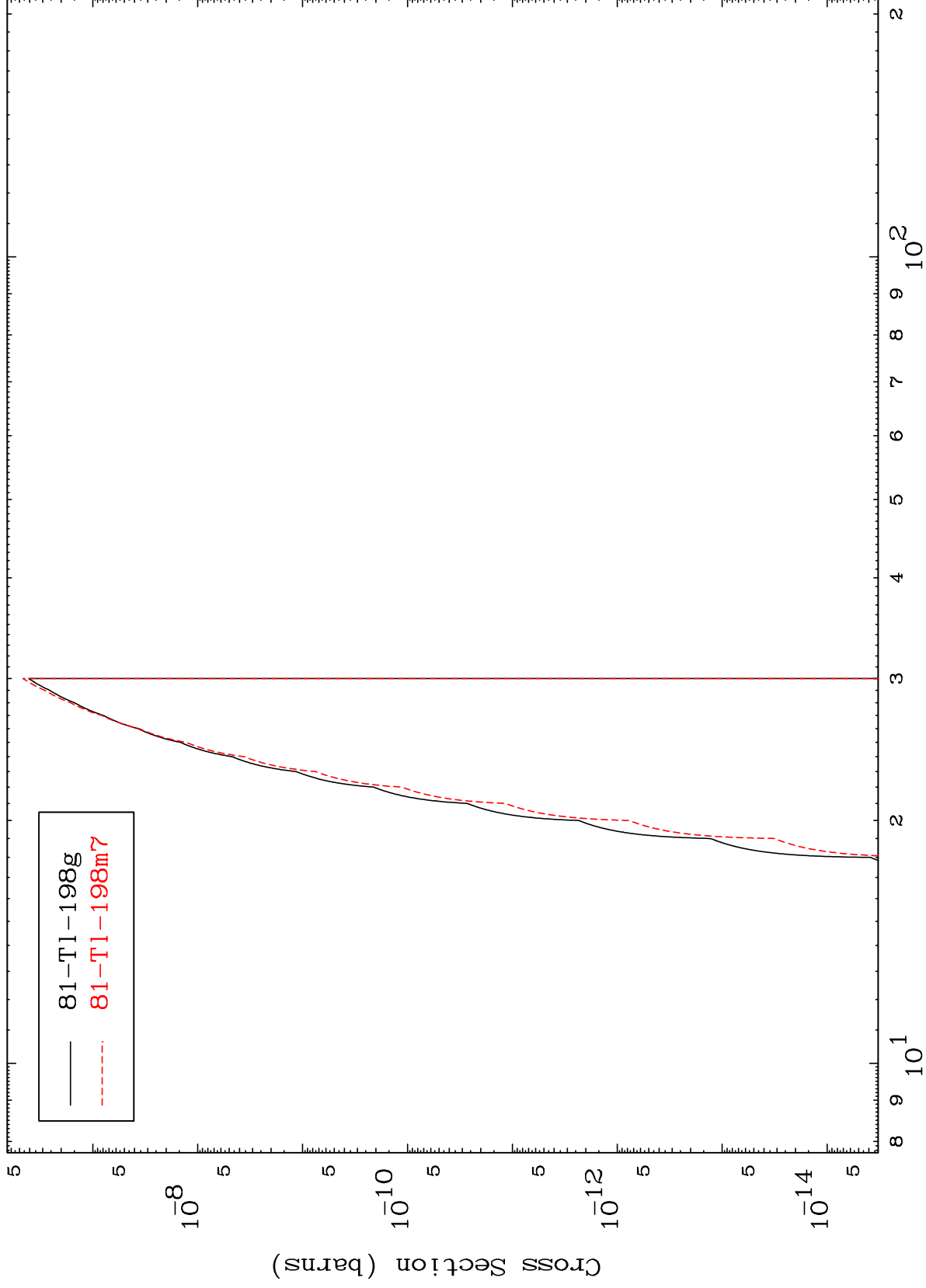


MAT 8301

(n,p) t

83-Bi-201

Radionuclide Production Cross Section



153

Incident Energy (MeV)

83-Bi-201