

Program EVALPLOT
(Version 2021-1)

by

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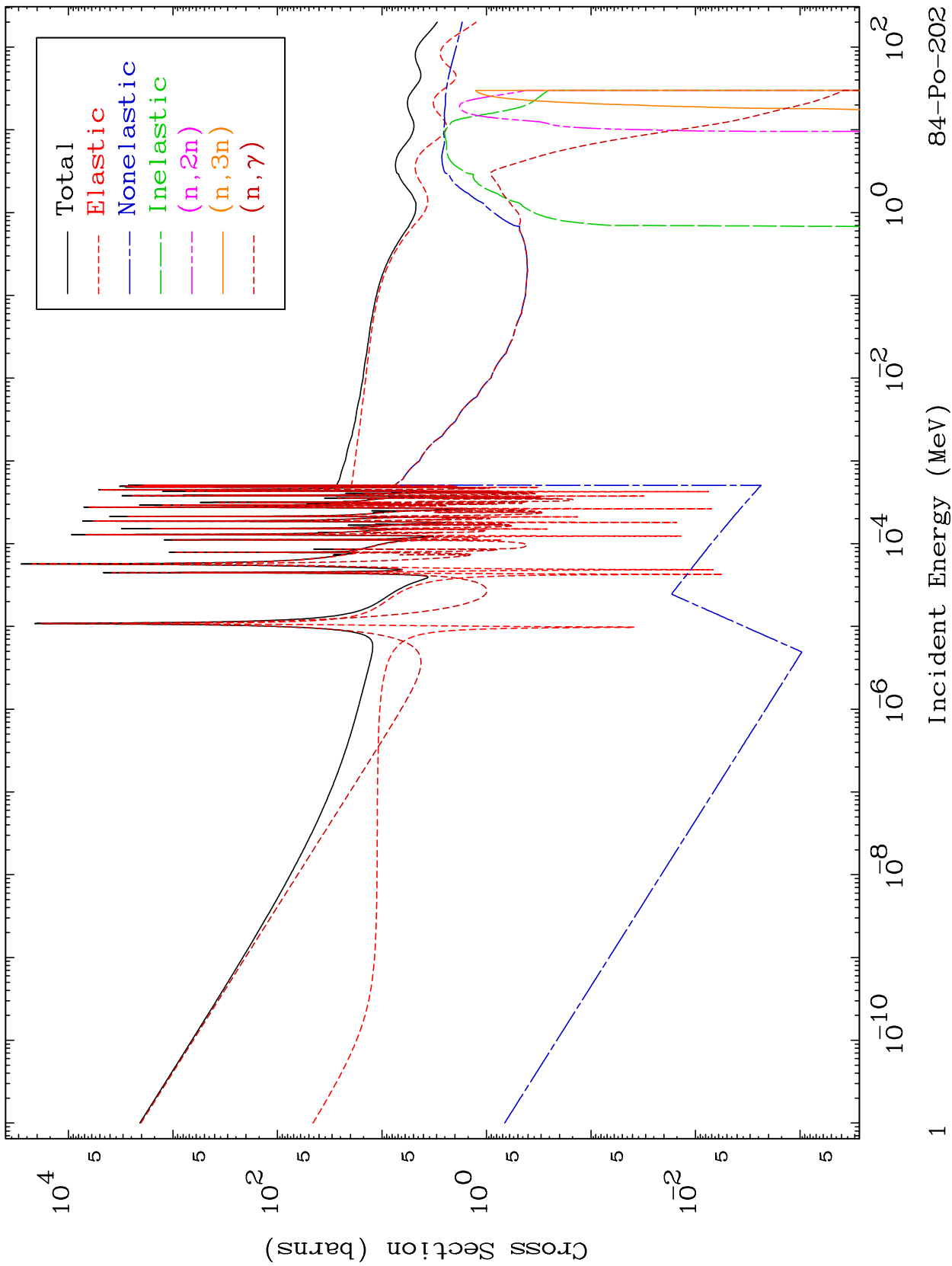
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8413

Neutron Major
293 Kelvin Cross Sections

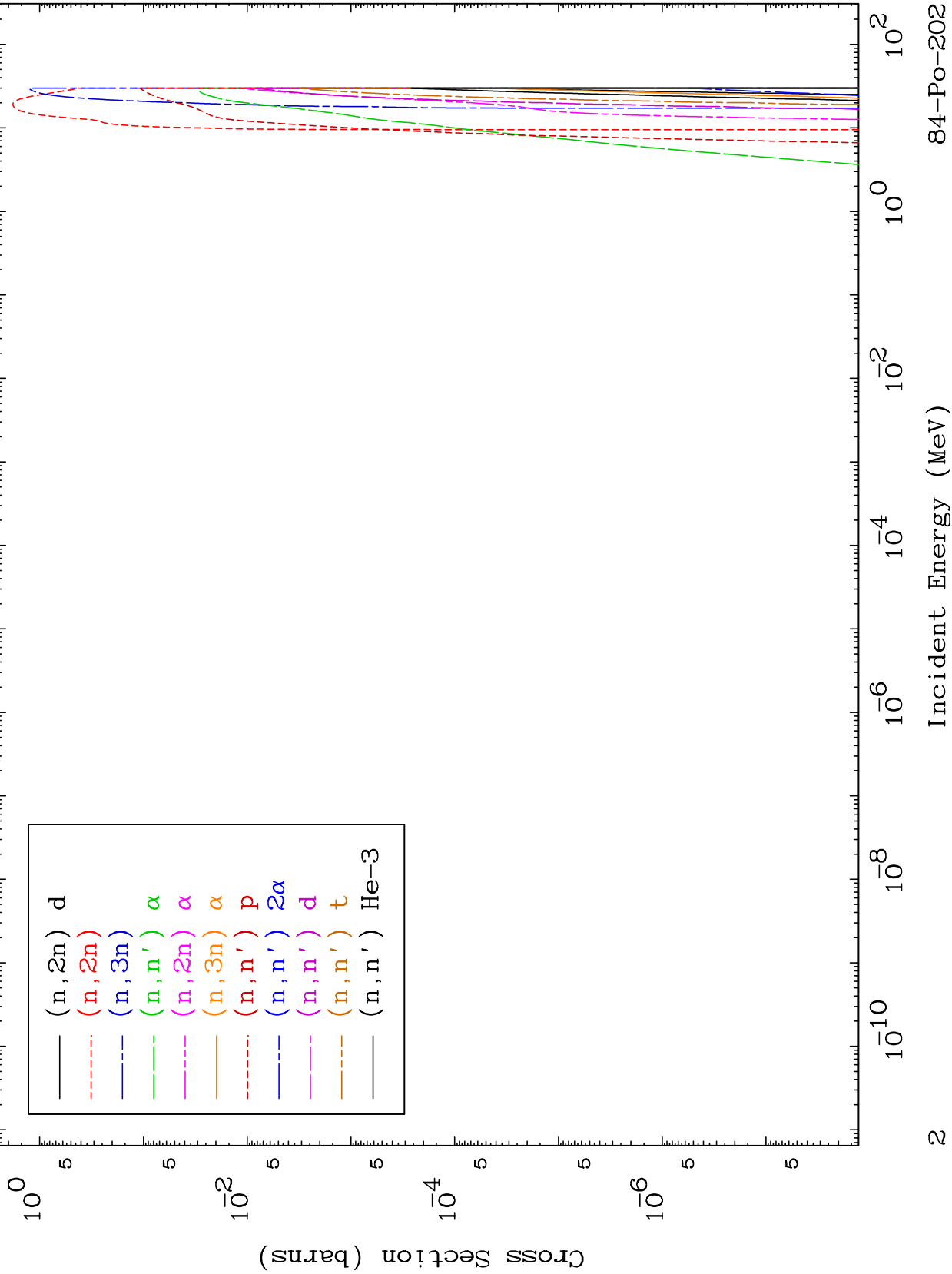
84-Po-202



MAT 8413

Neutron Absorption
293 Kelvin Cross Sections

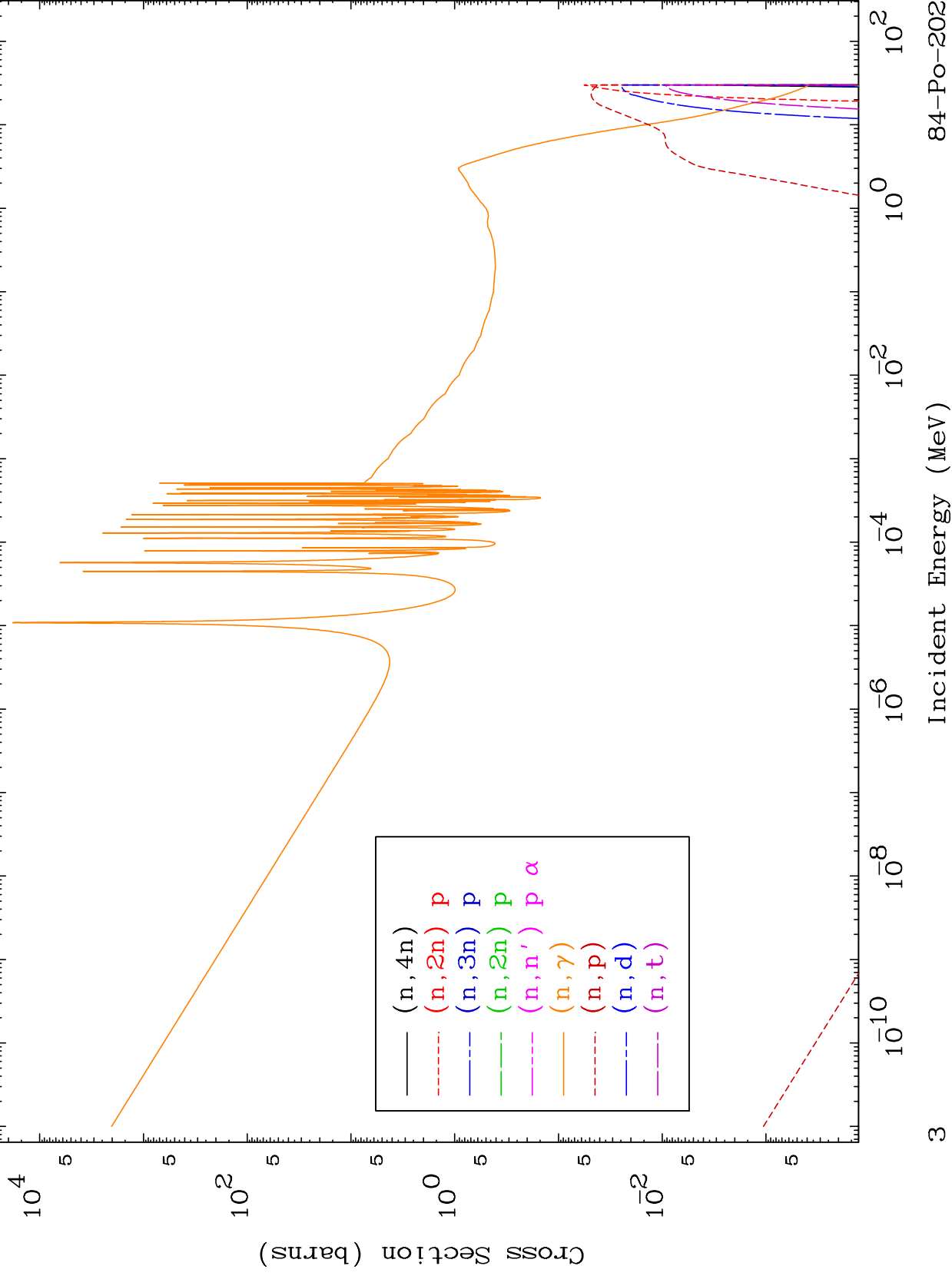
84-Po-202



MAT 8413

Neutron Absorption
293 Kelvin Cross Sections

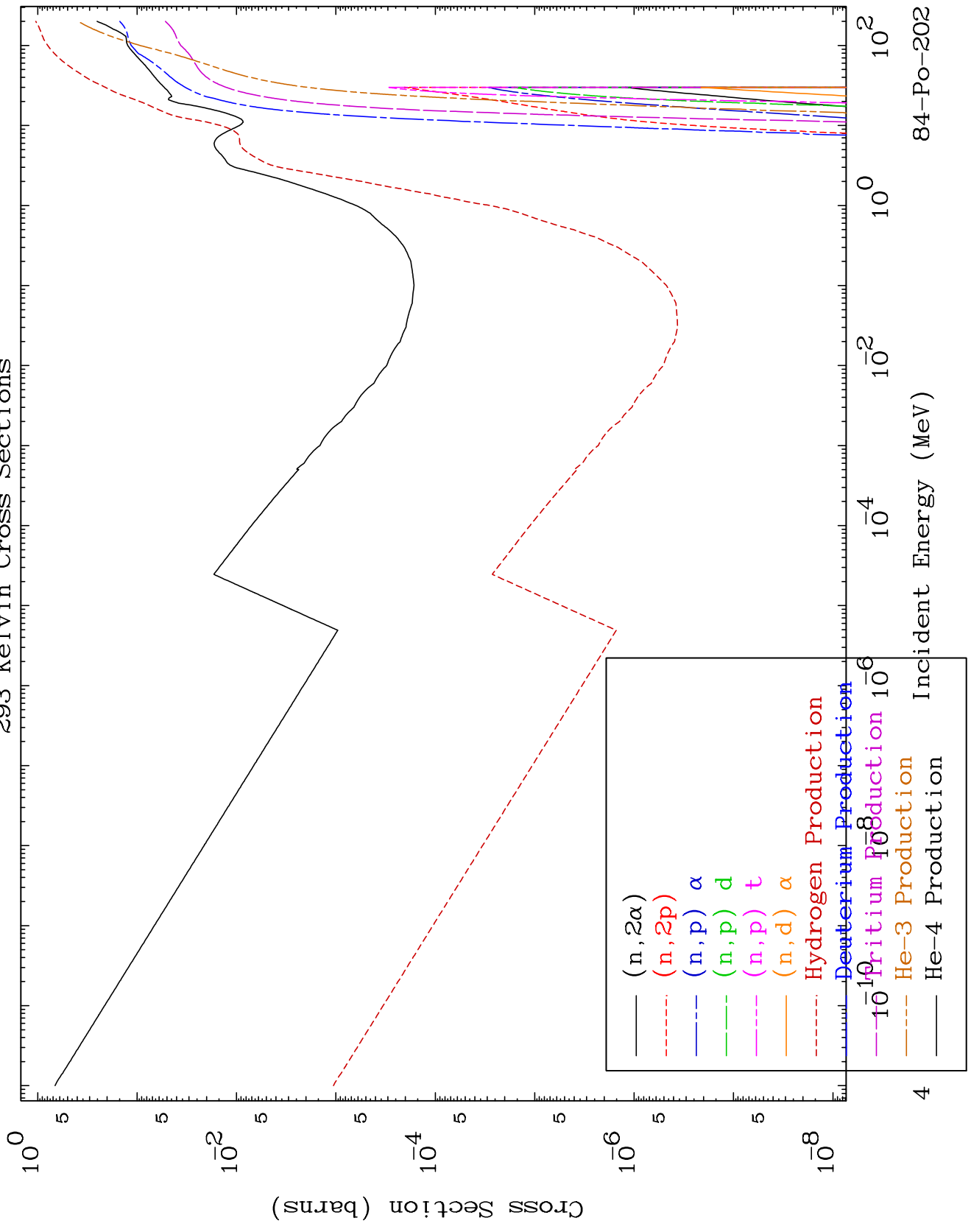
84-Po-202



MAT 8413

Neutron Absorption
293 Kelvin Cross Sections

84-Po-202



84-Po-202

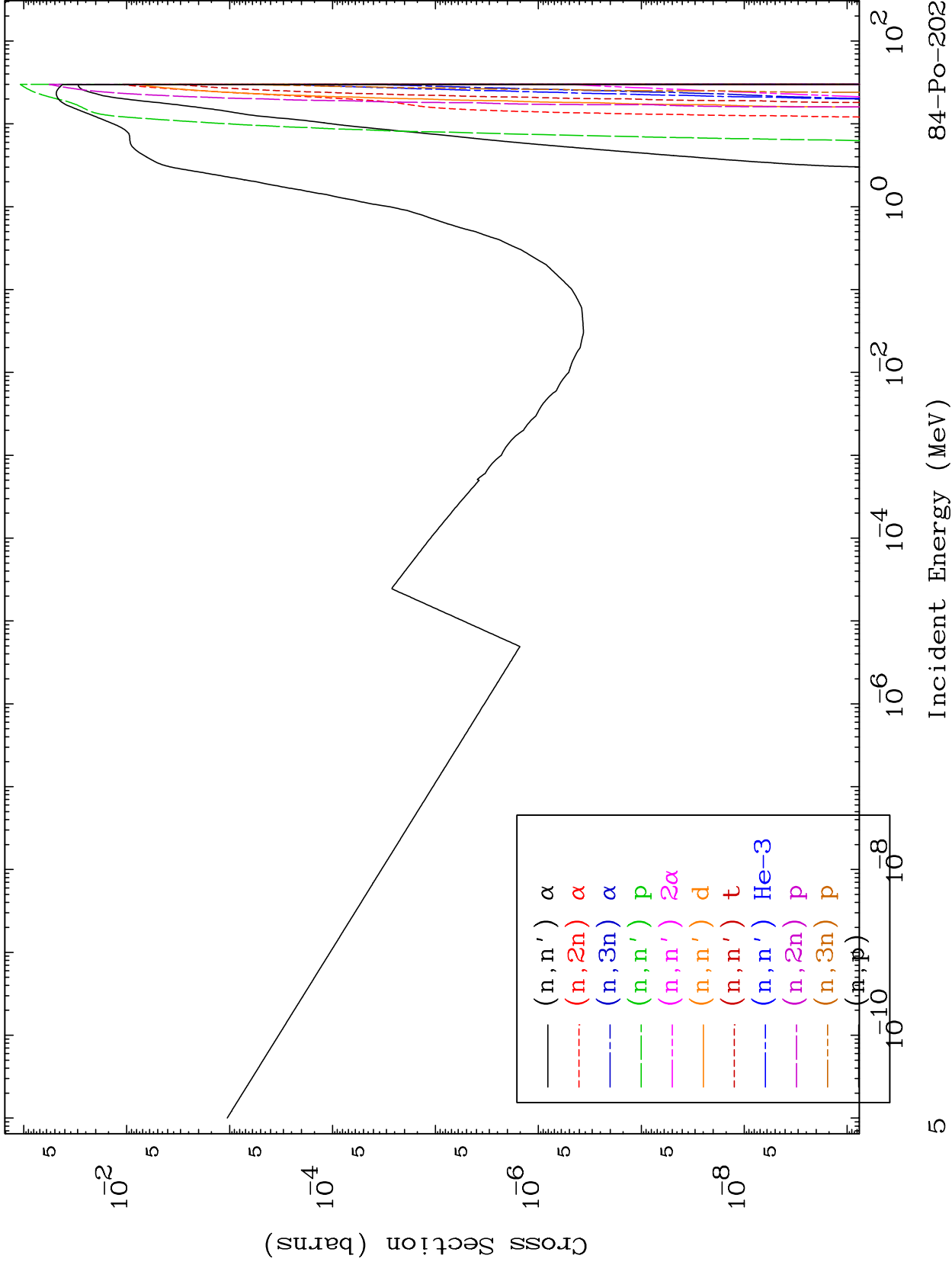
Incident Energy (MeV)

4

MAT 8413

Charged Particle
293 Kelvin Cross Sections

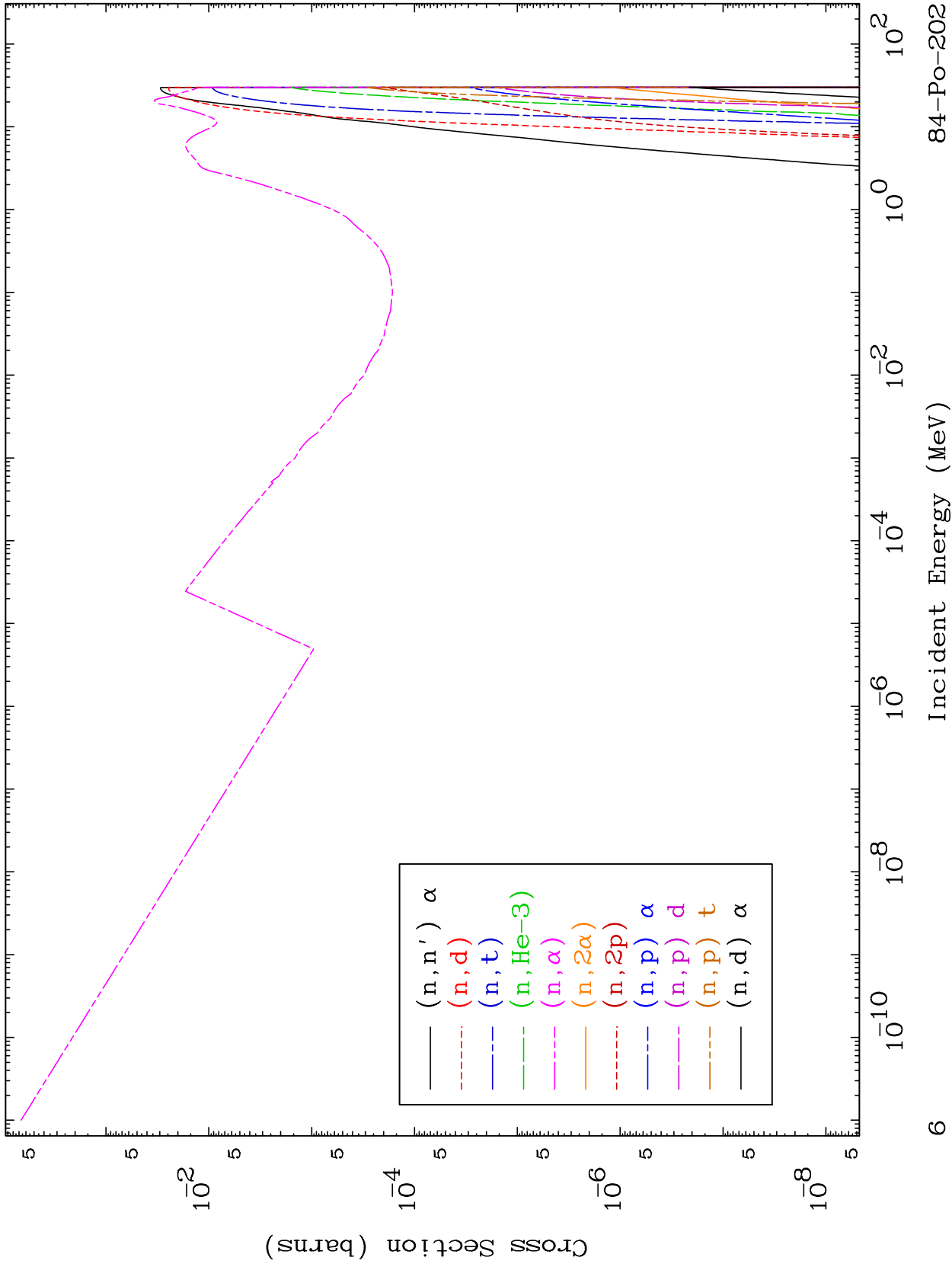
84-Po-202



MAT 8413

Charged Particle
293 Kelvin Cross Sections

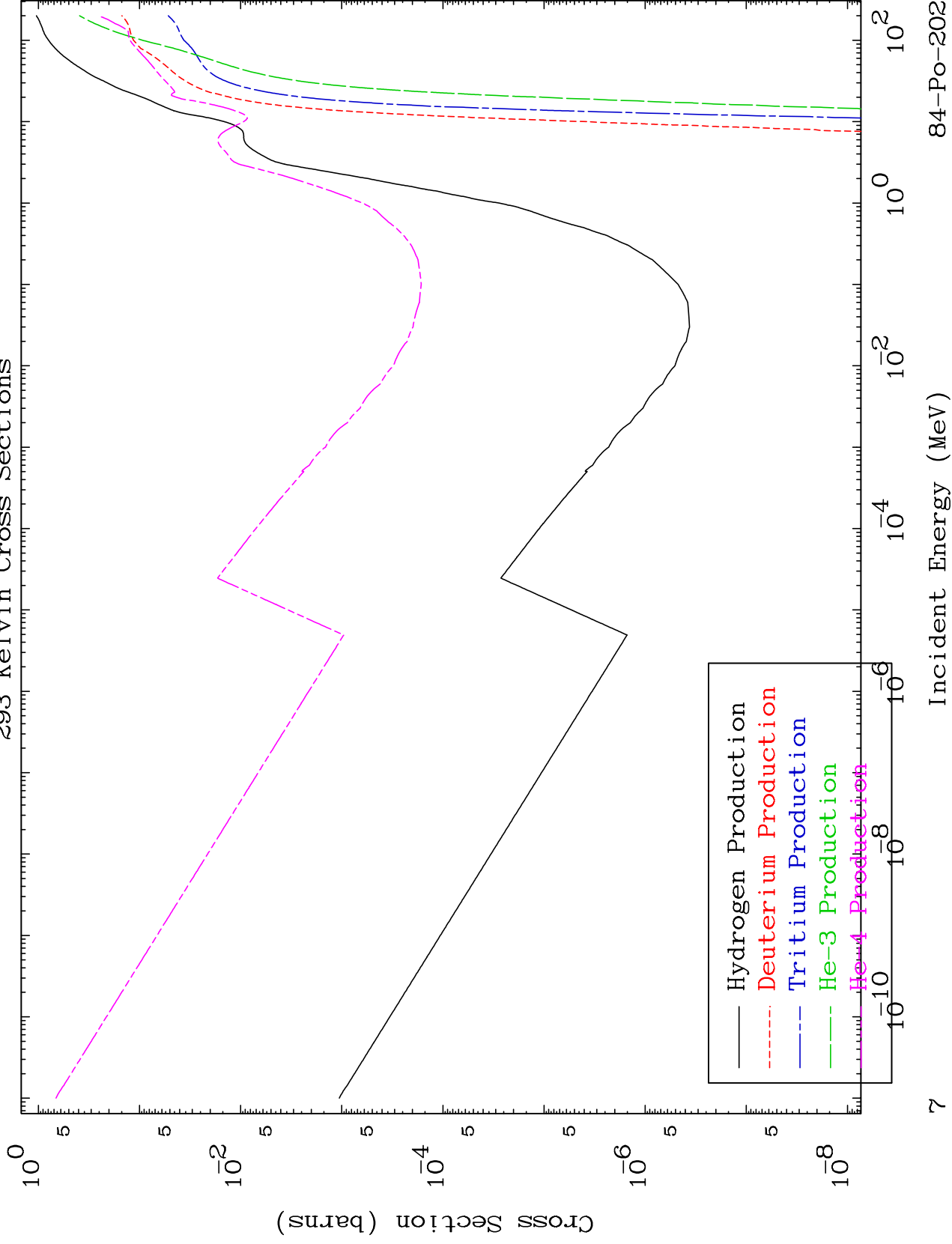
84-Po-202



MAT 8413

Particle Production
293 Kelvin Cross Sections

84-Po-202

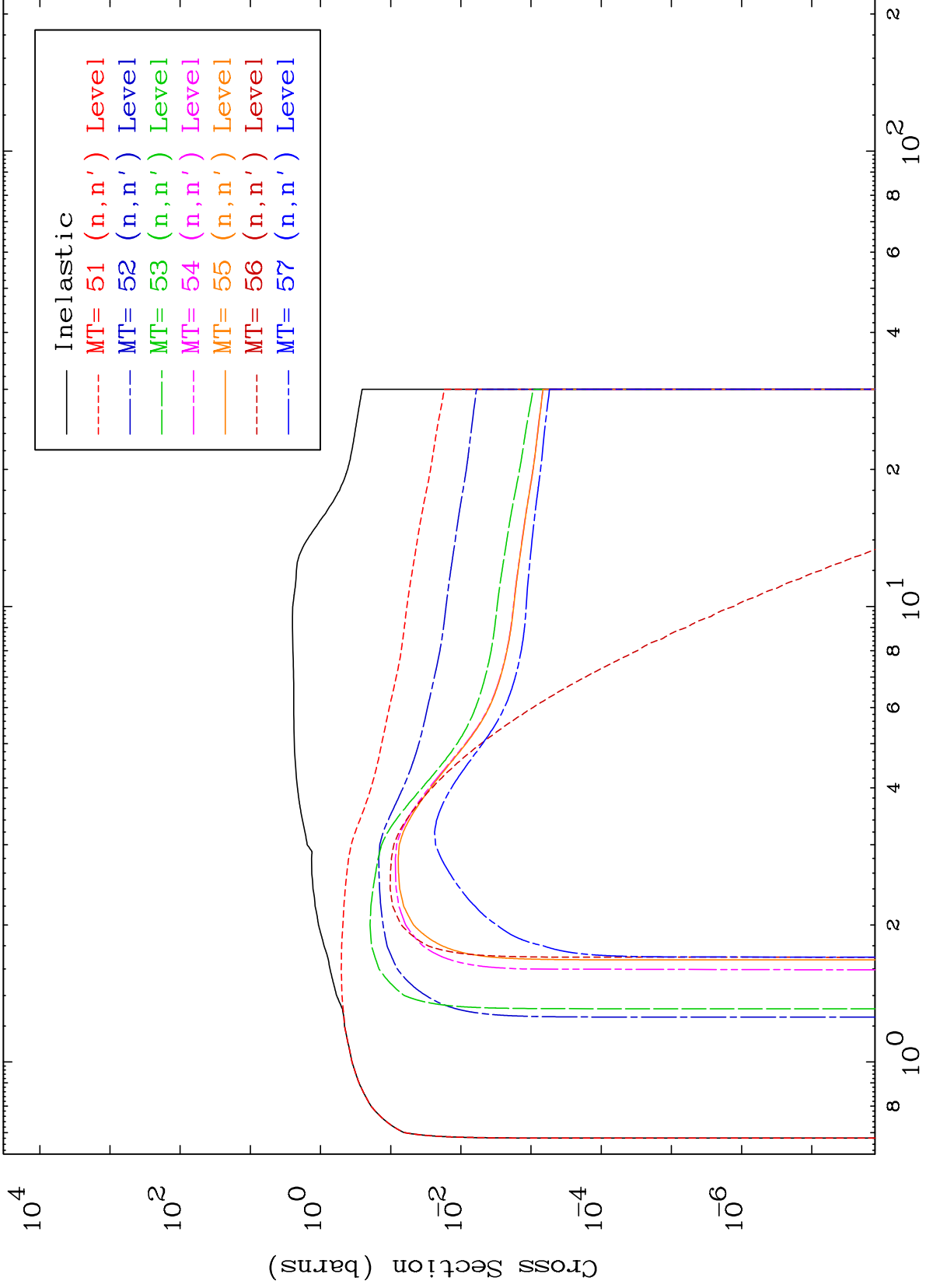


MAT 8413

(n,n') Levels

84-Po-202

293 Kelvin Cross Sections



8

Incident Energy (MeV)

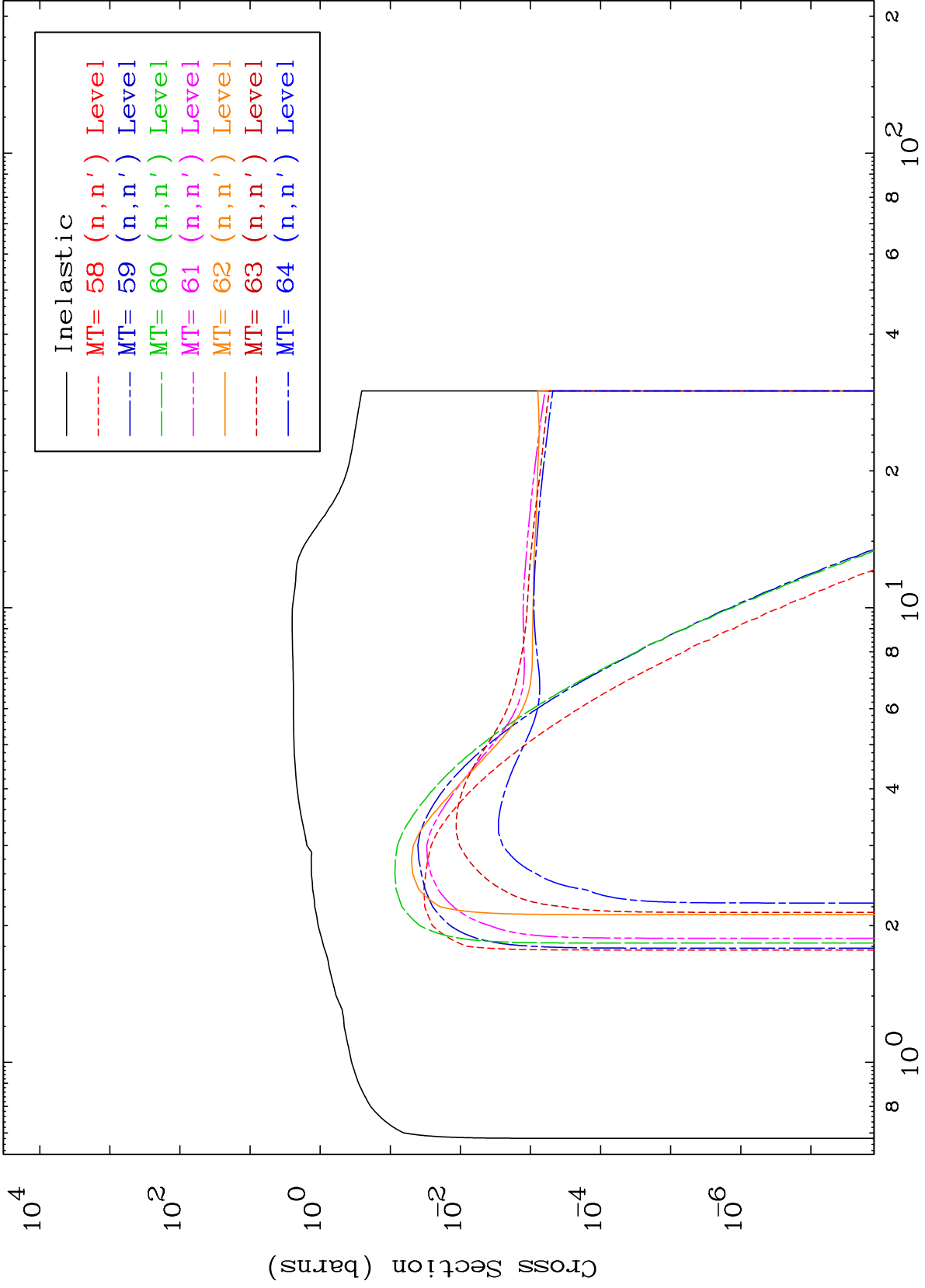
84-Po-202

MAT 8413

(n,n') Levels

84-Po-202

293 Kelvin Cross Sections

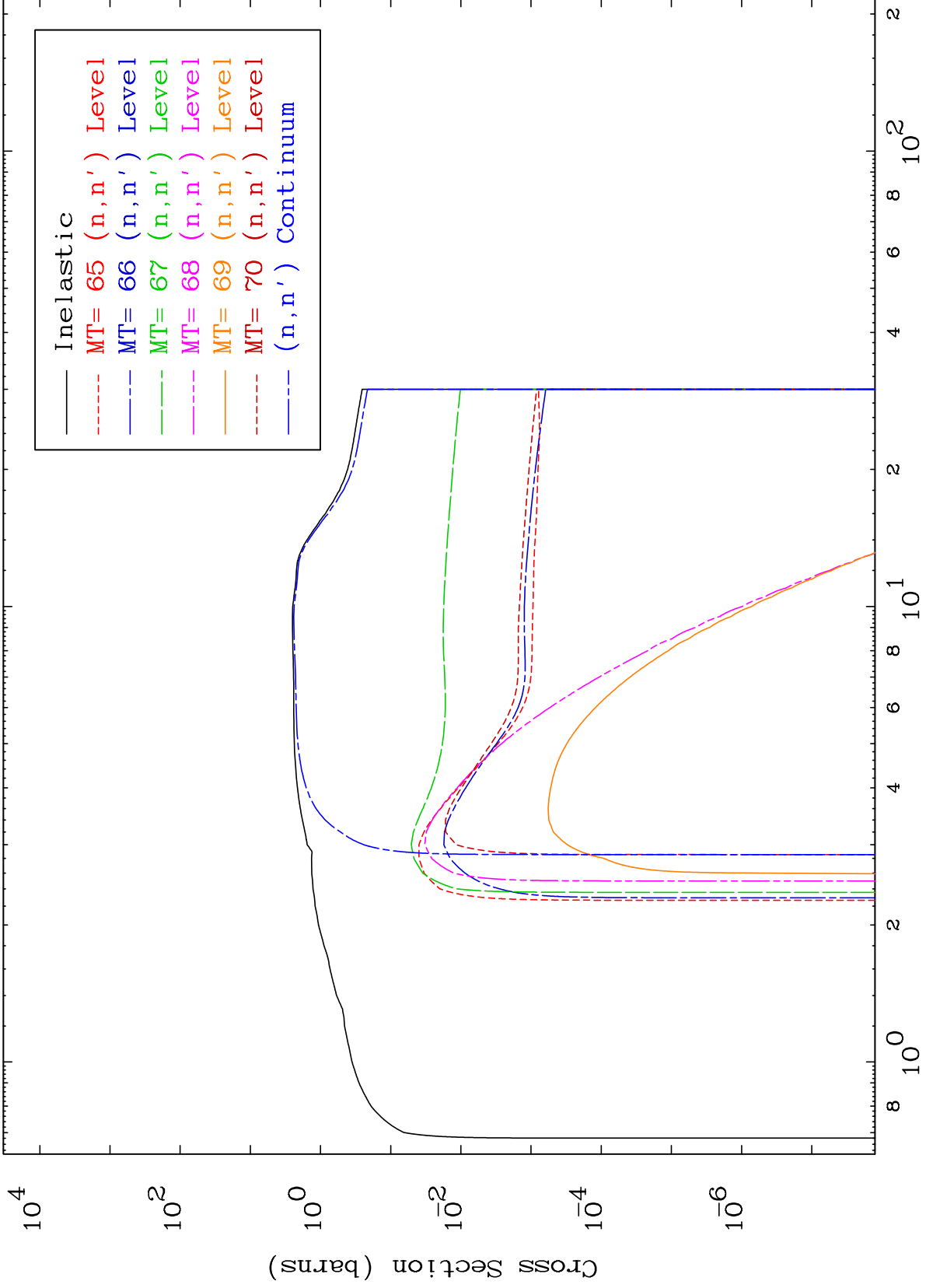


MAT 8413

(n,n') Levels

84-Po-202

293 Kelvin Cross Sections



10

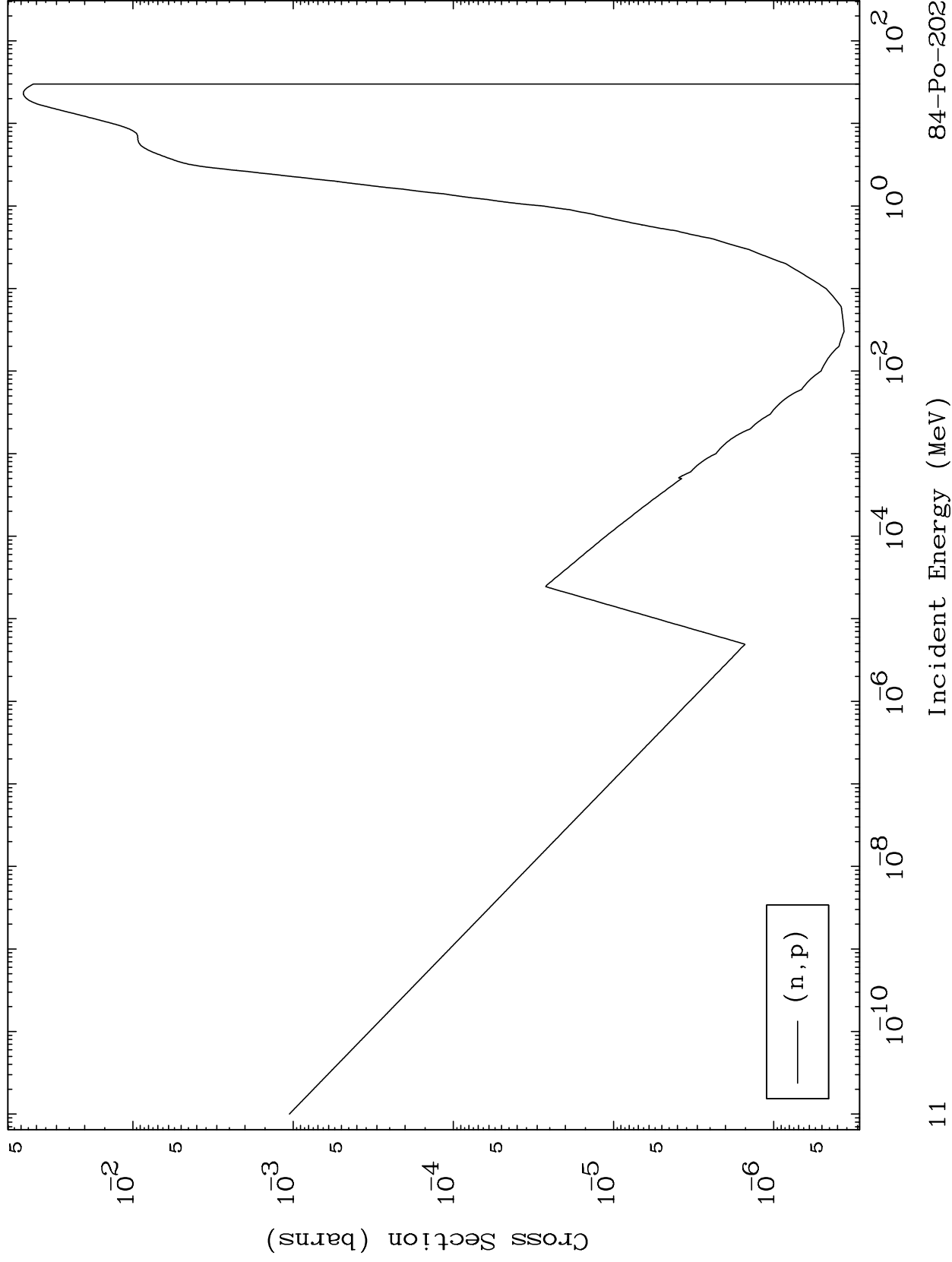
Incident Energy (MeV)

84-Po-202

MAT 8413

(n,p) Levels
293 Kelvin Cross Sections

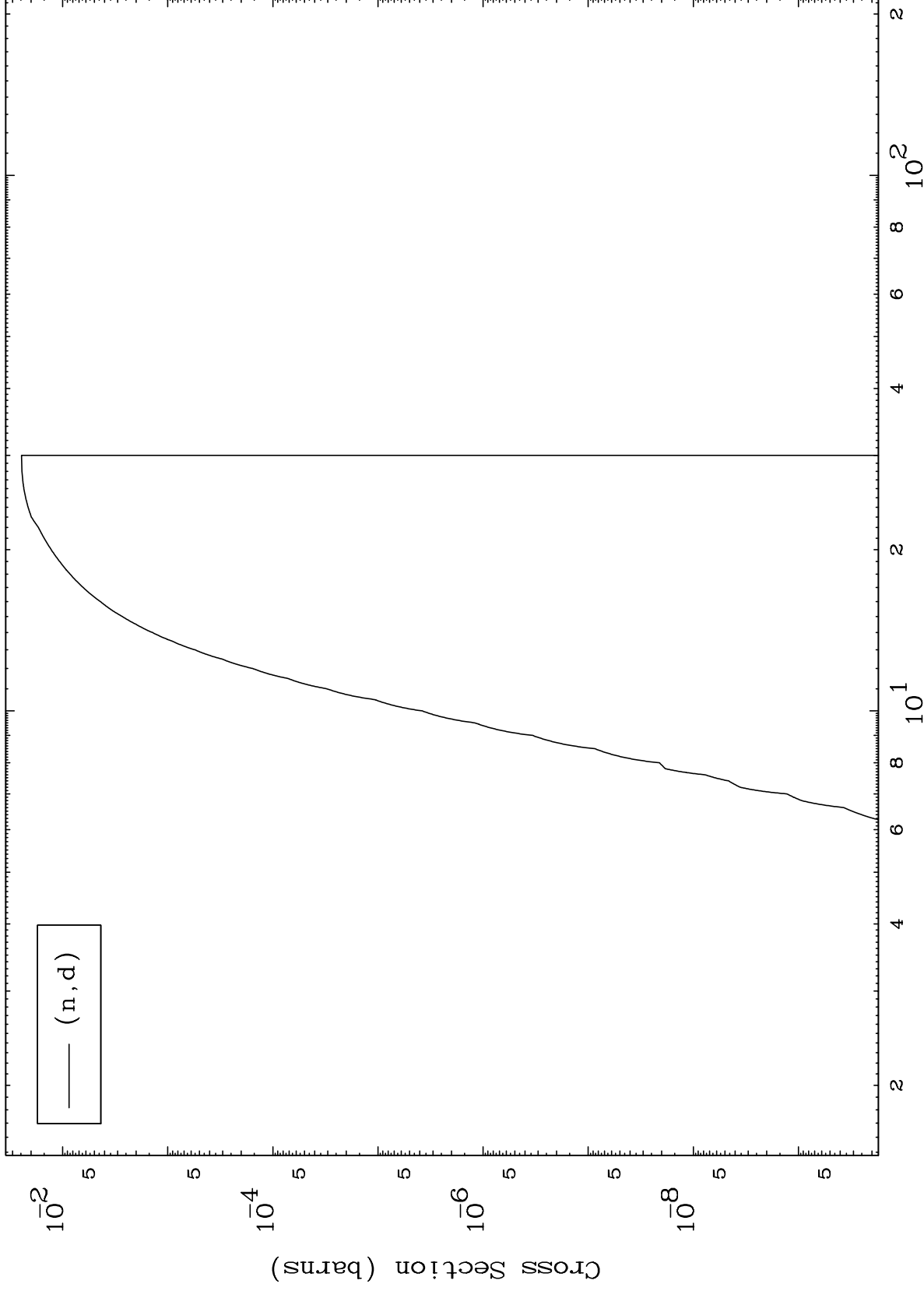
84-Po-202



MAT 8413

(n,d) Levels
293 Kelvin Cross Sections

84-Po-202



12

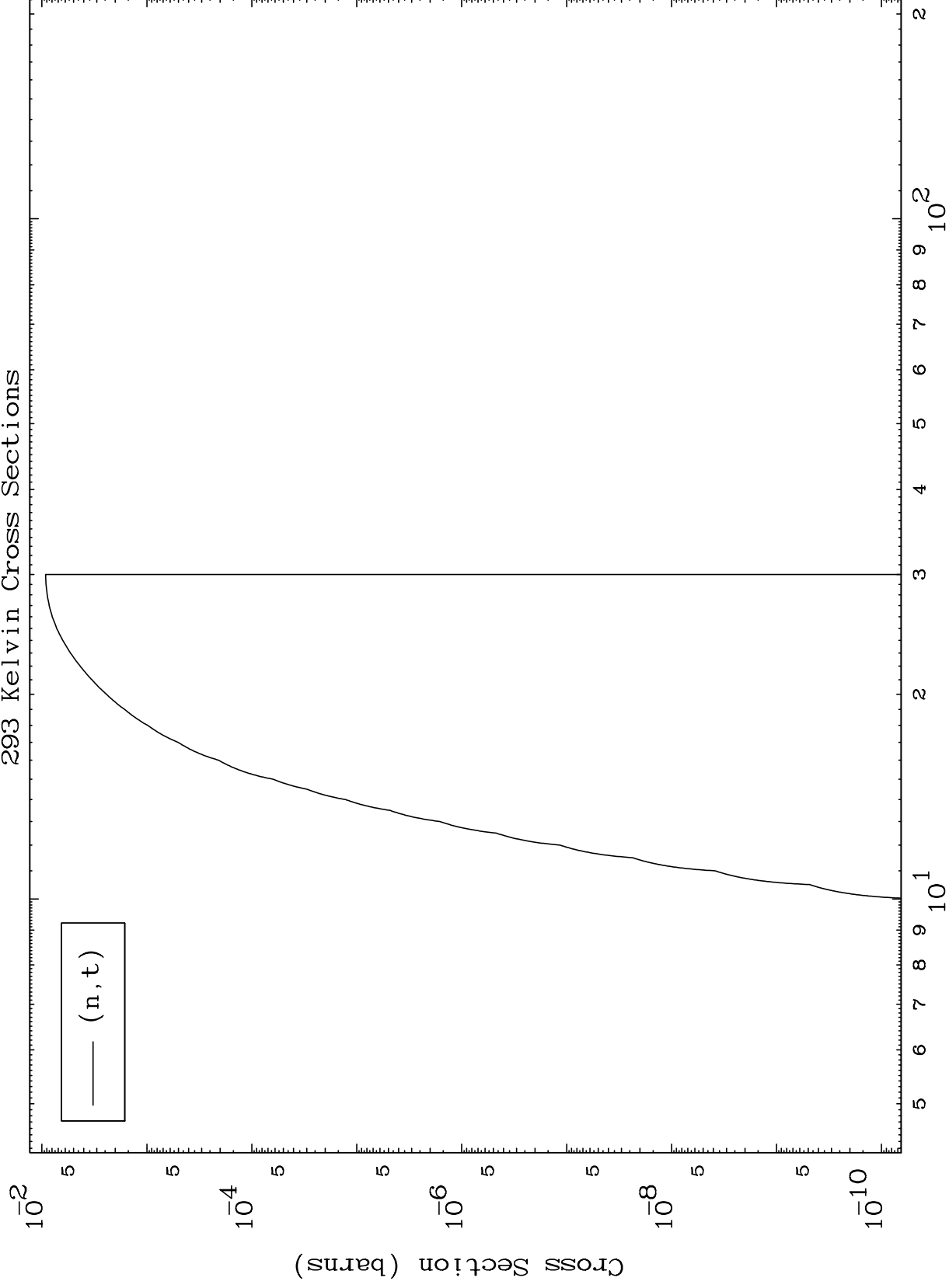
Incident Energy (MeV)

84-Po-202

MAT 8413

(n,t) Levels
293 Kelvin Cross Sections

84-Po-202



13

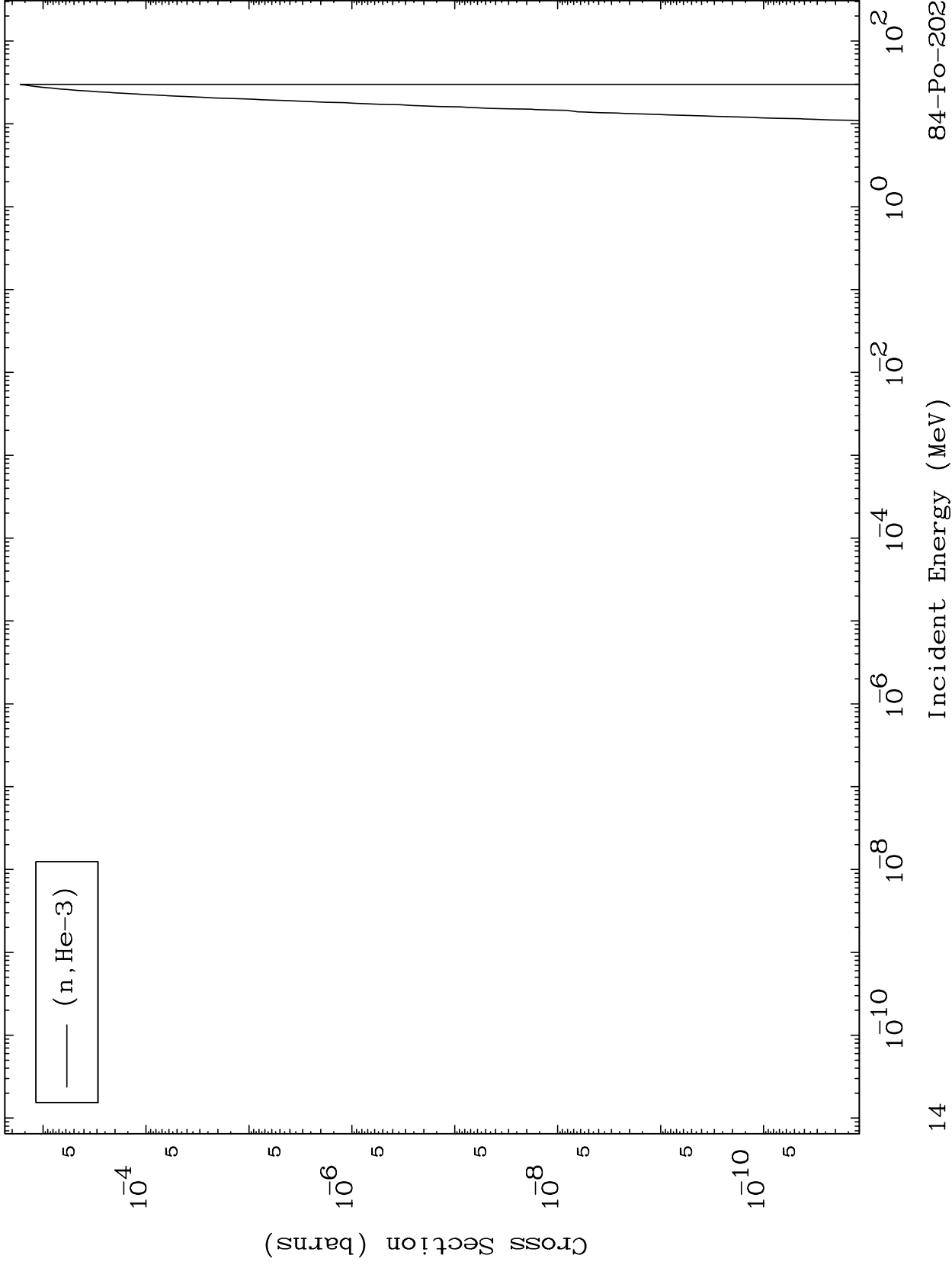
Incident Energy (MeV)

84-Po-202

MAT 8413

(n,He3) Levels
293 Kelvin Cross Sections

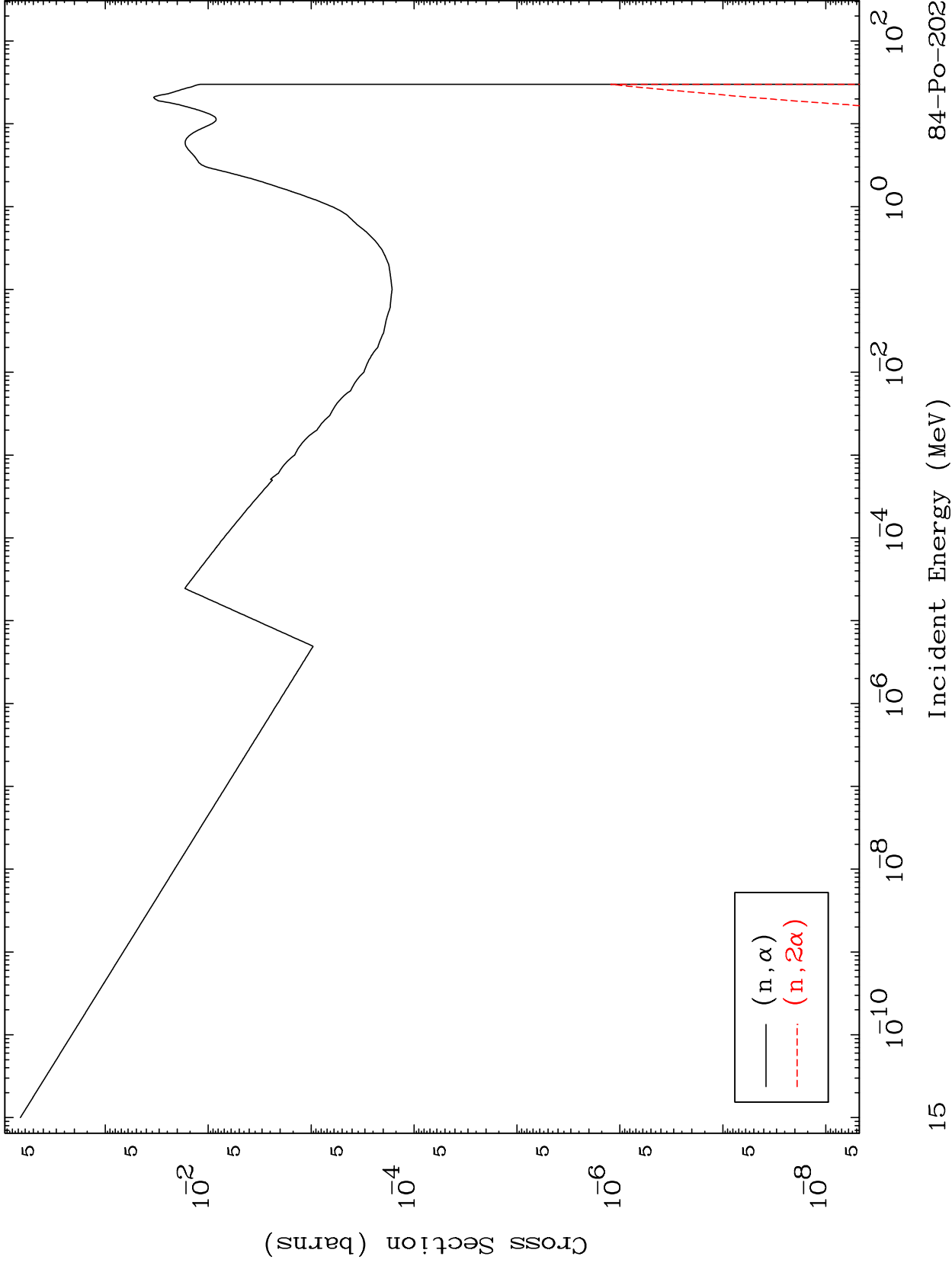
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MAT 8413

(n,α) Levels
293 Kelvin Cross Sections

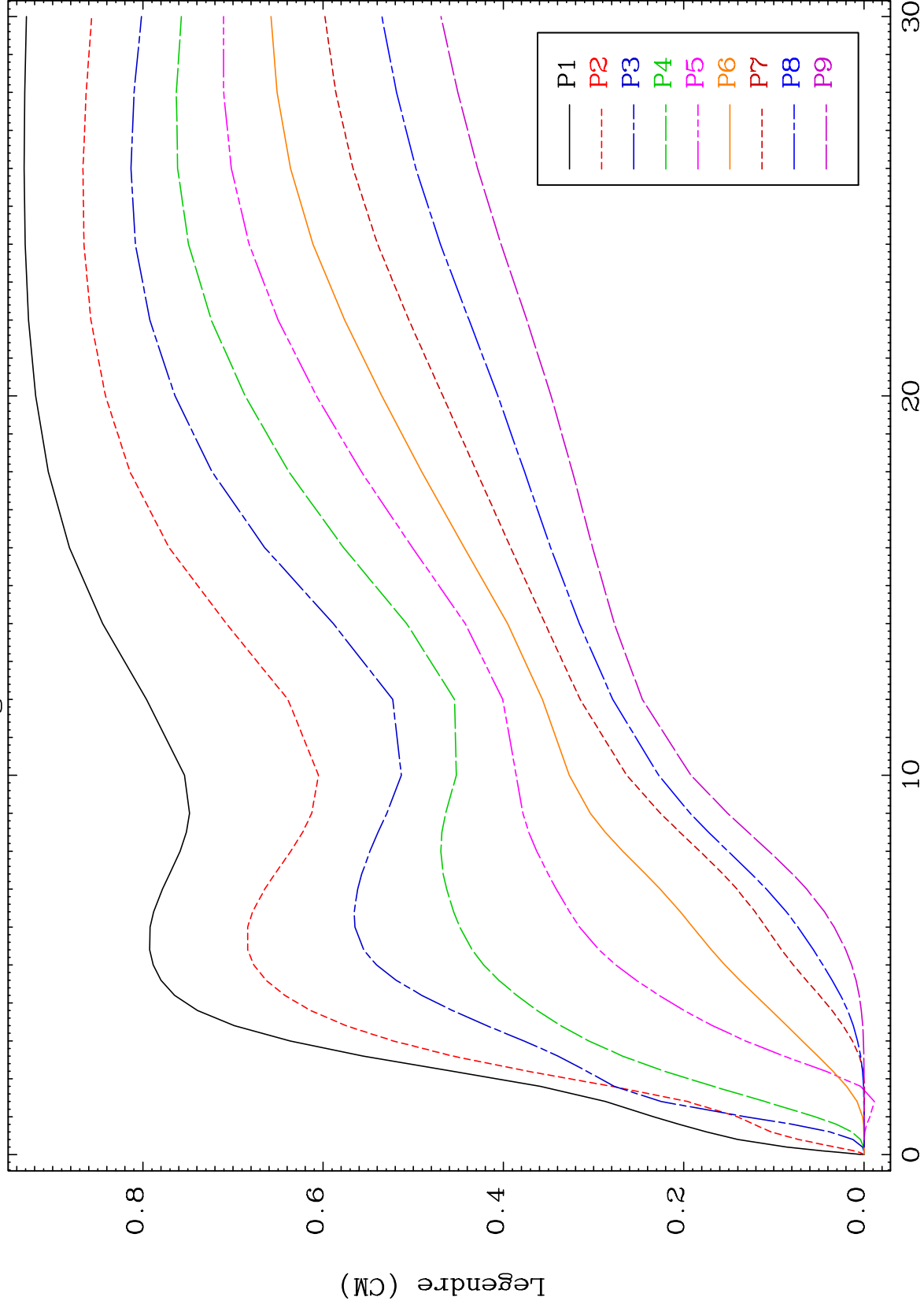
84-Po-202



MAT 8413

Elastic Legendre Coefficients

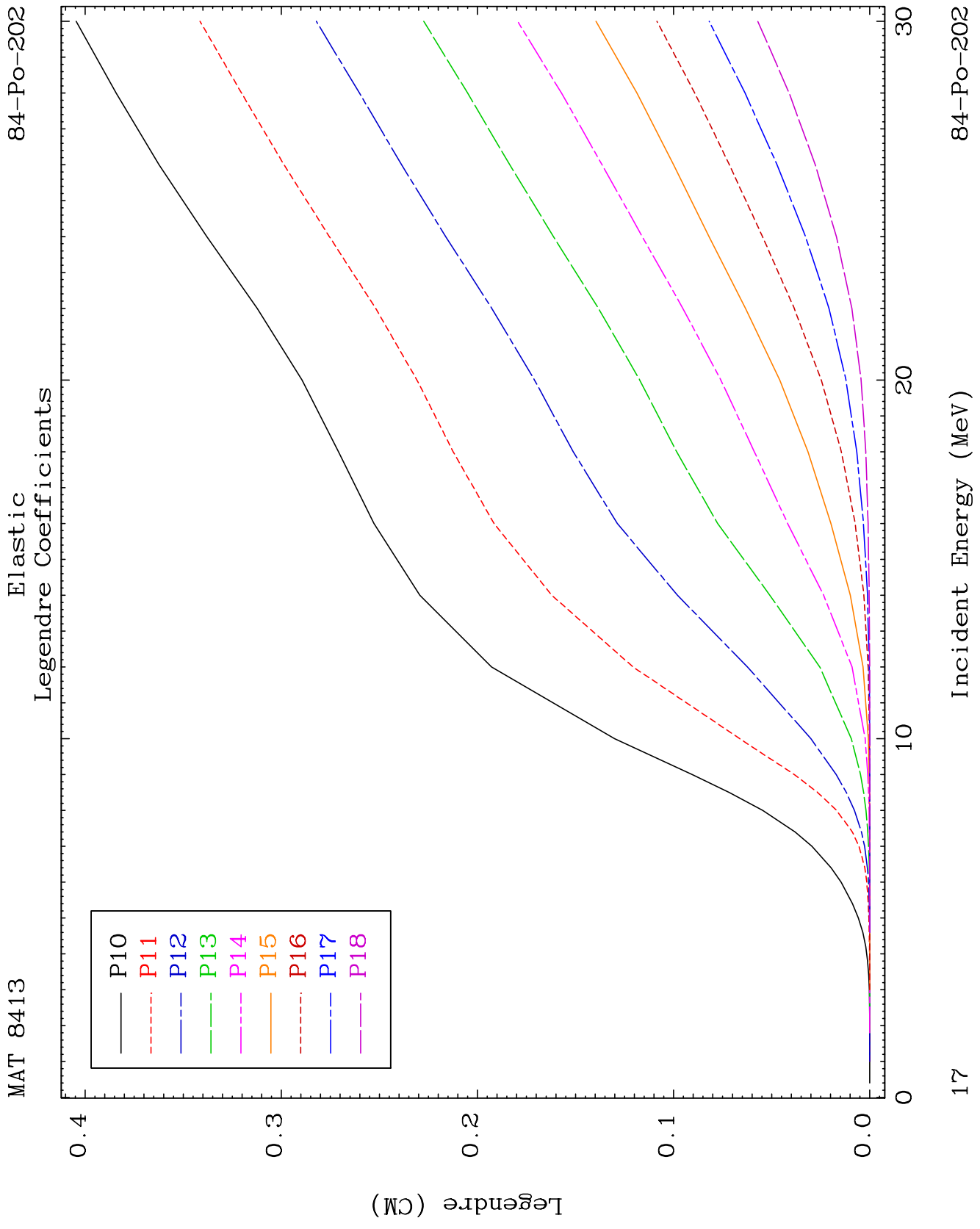
84-Po-202



16

Incident Energy (MeV)

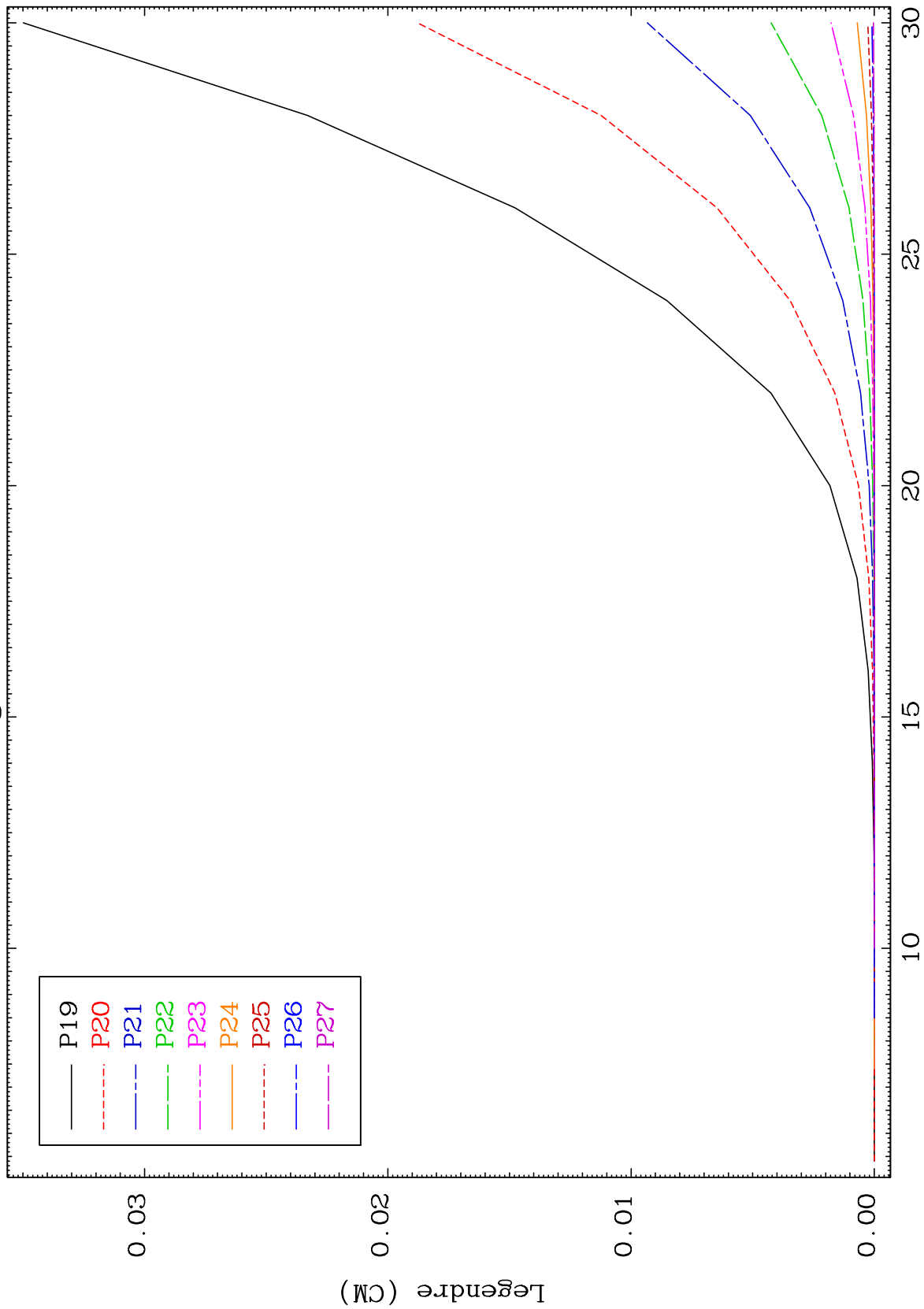
84-Po-202



MAT 8413

Elastic Legendre Coefficients

84-Po-202



18

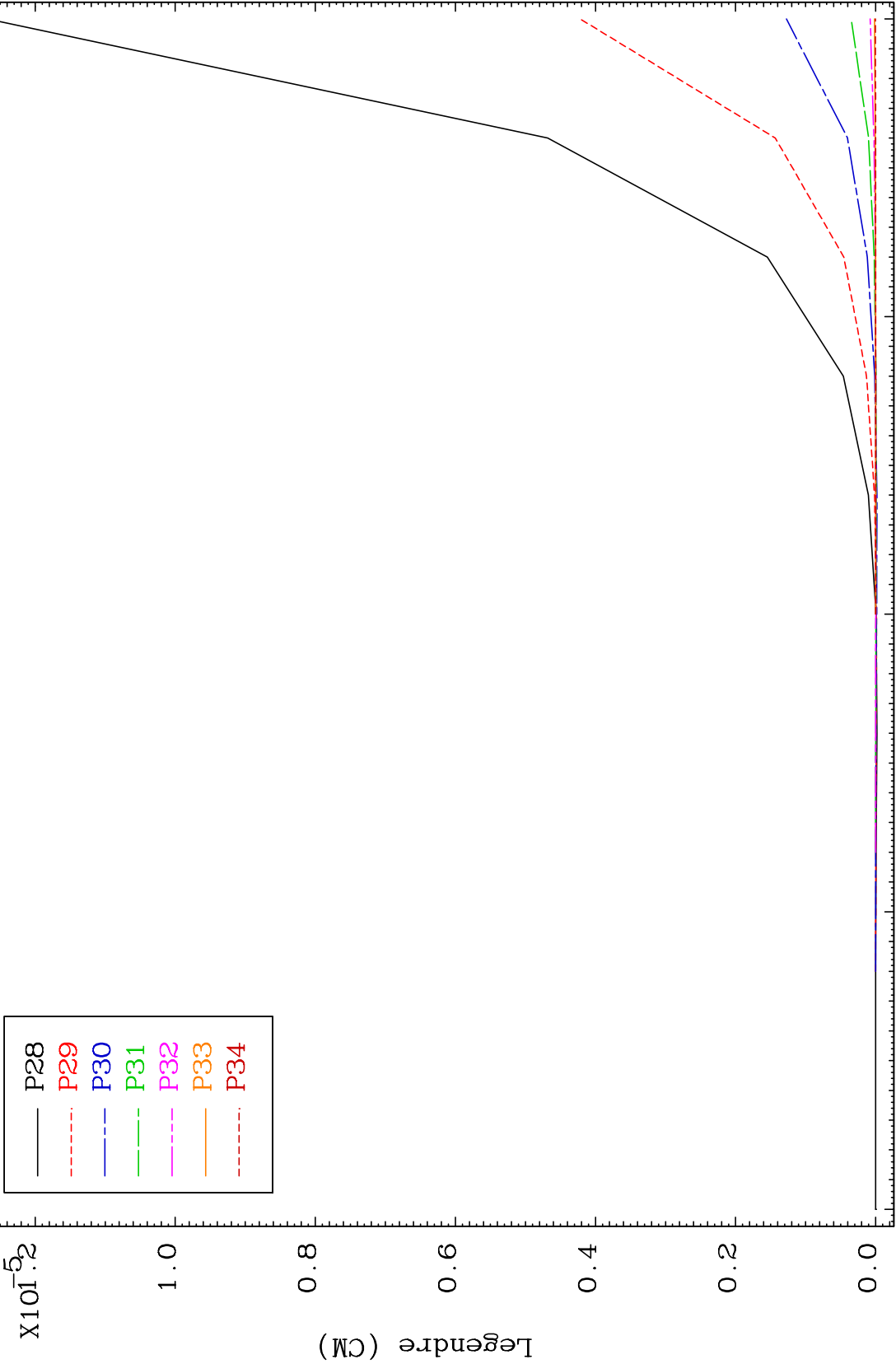
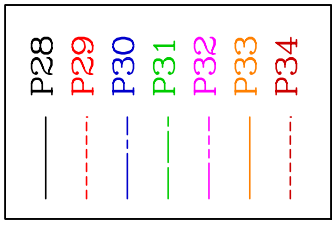
Incident Energy (MeV)

84-Po-202

MAT 8413

Elastic
Legendre Coefficients

84-Po-202



19

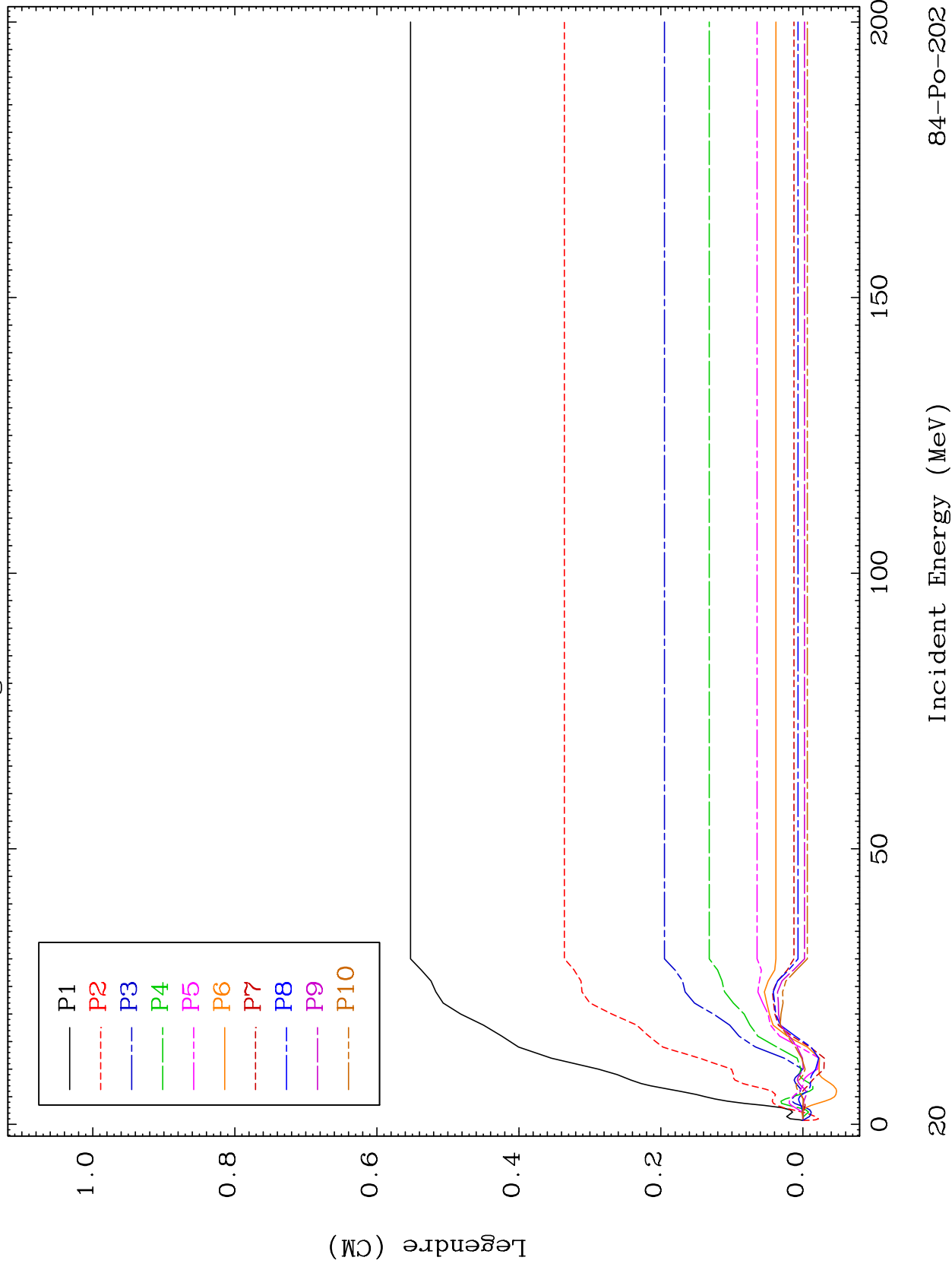
Incident Energy (MeV)

84-Po-202

MAT 8413

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

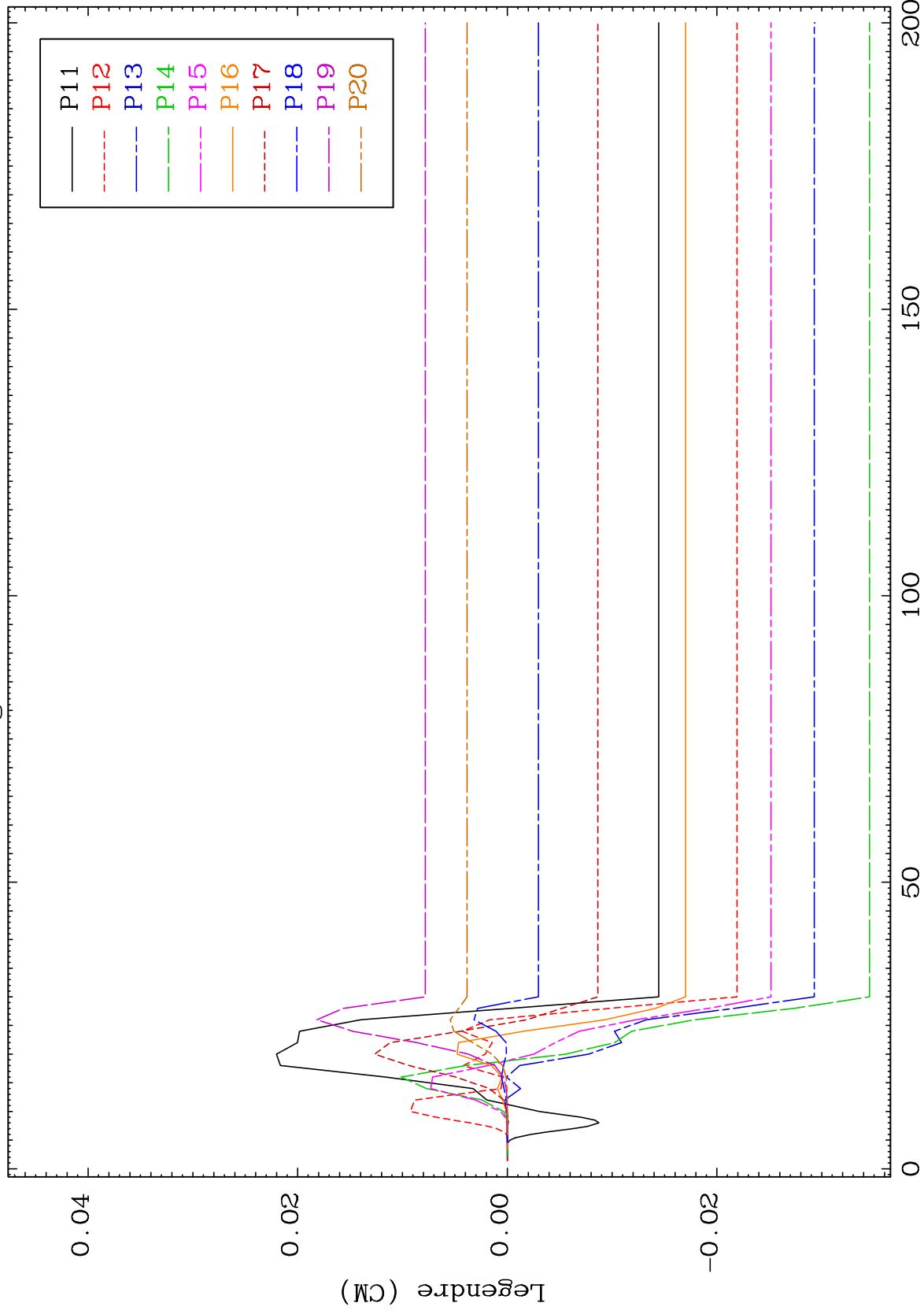
84-Po-202



MAT 8413

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

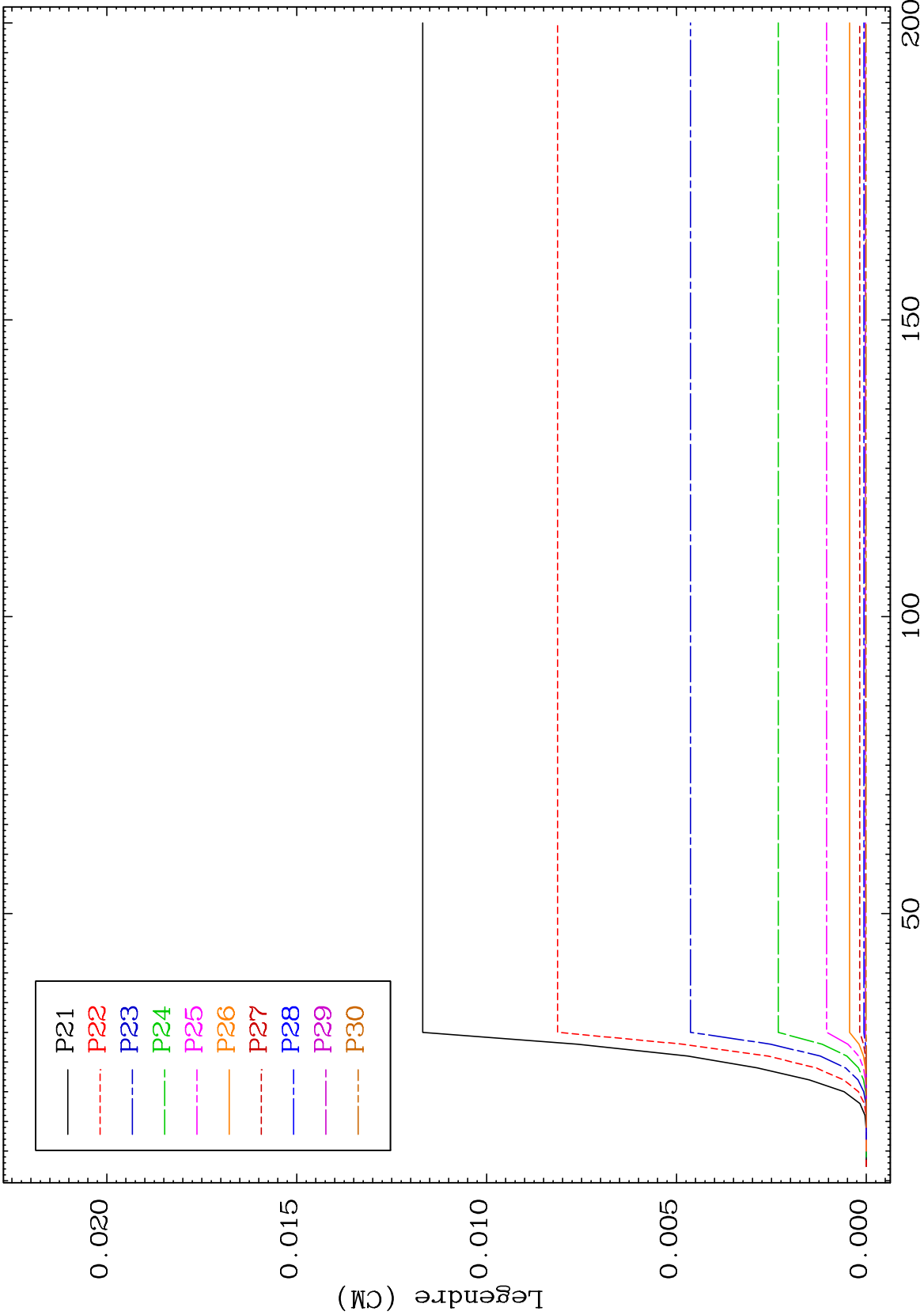
84-Po-202



21

Incident Energy (MeV)

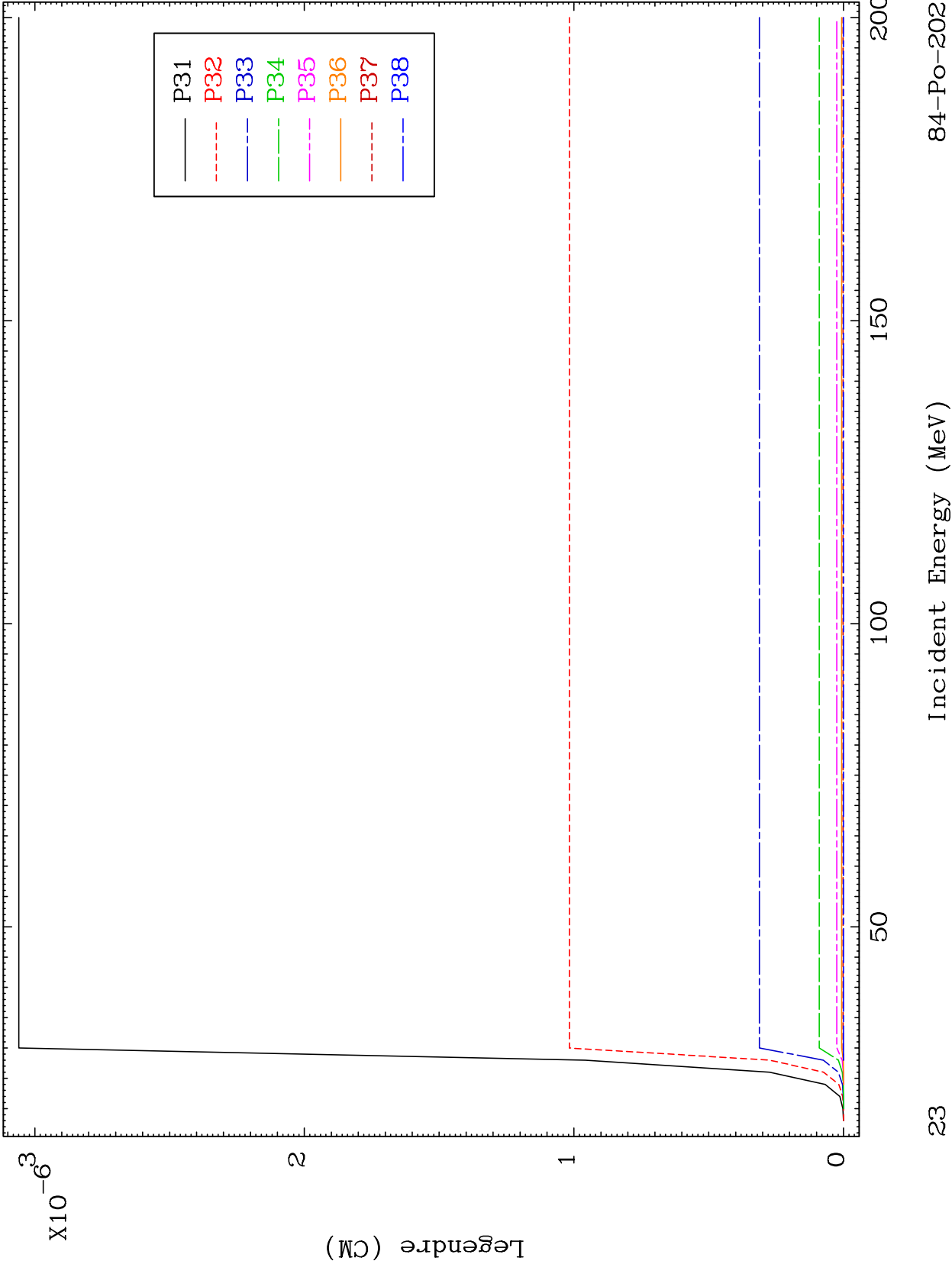
84-Po-202



MAT 8413

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

84-Po-202



23

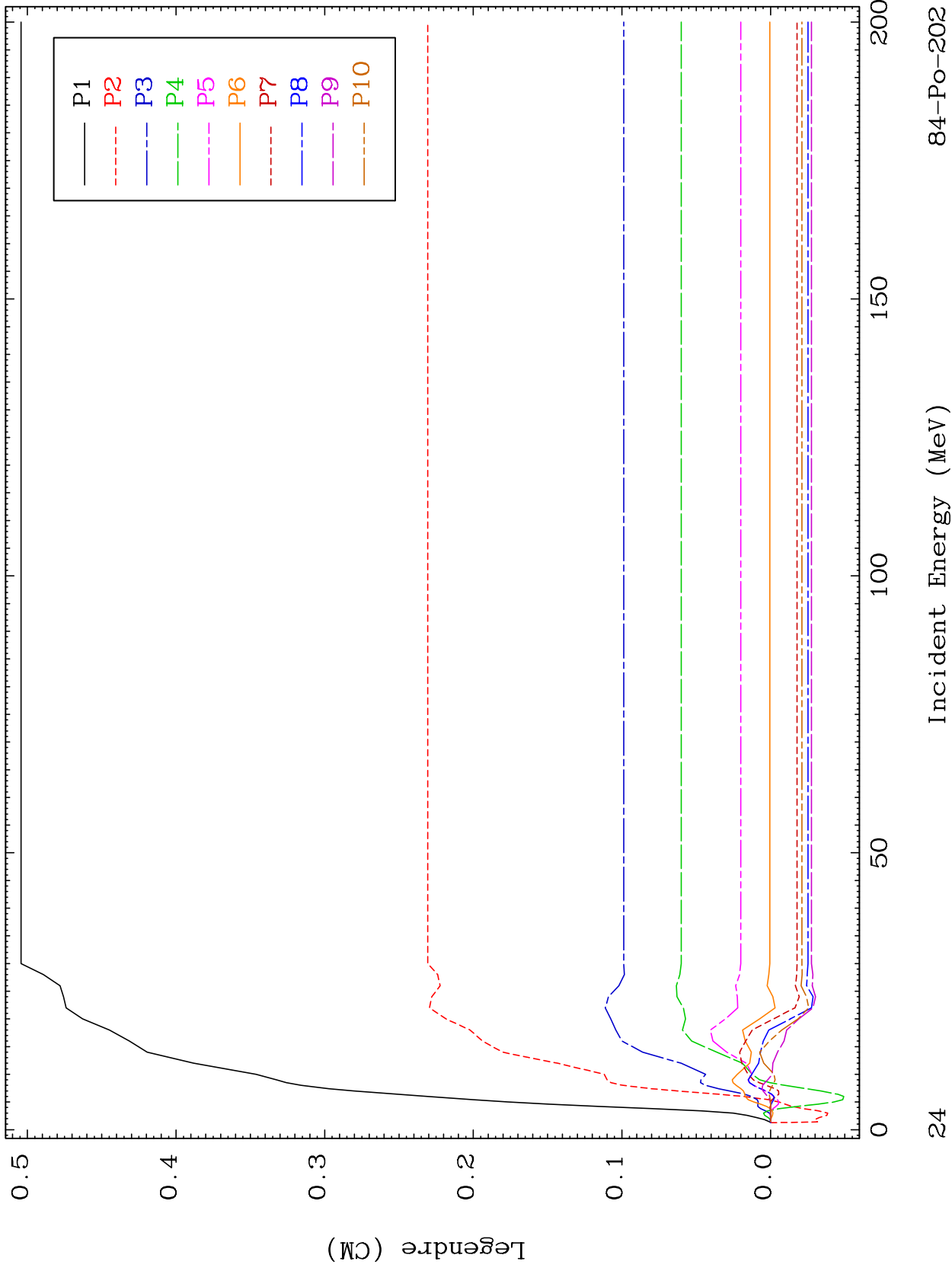
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



84-Po-202

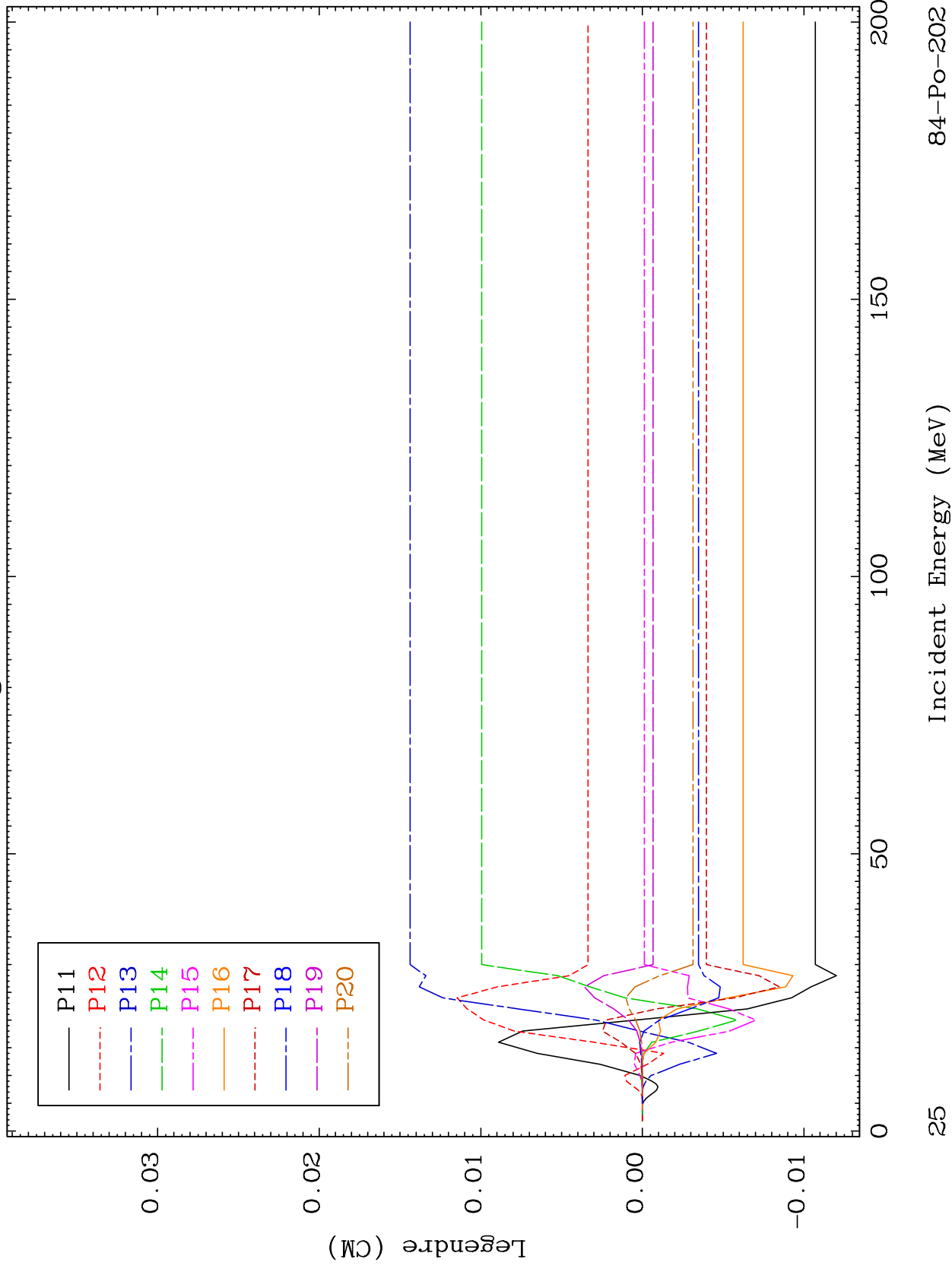
Incident Energy (MeV)

24

MAT 8413

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

84-Po-202



84-Po-202

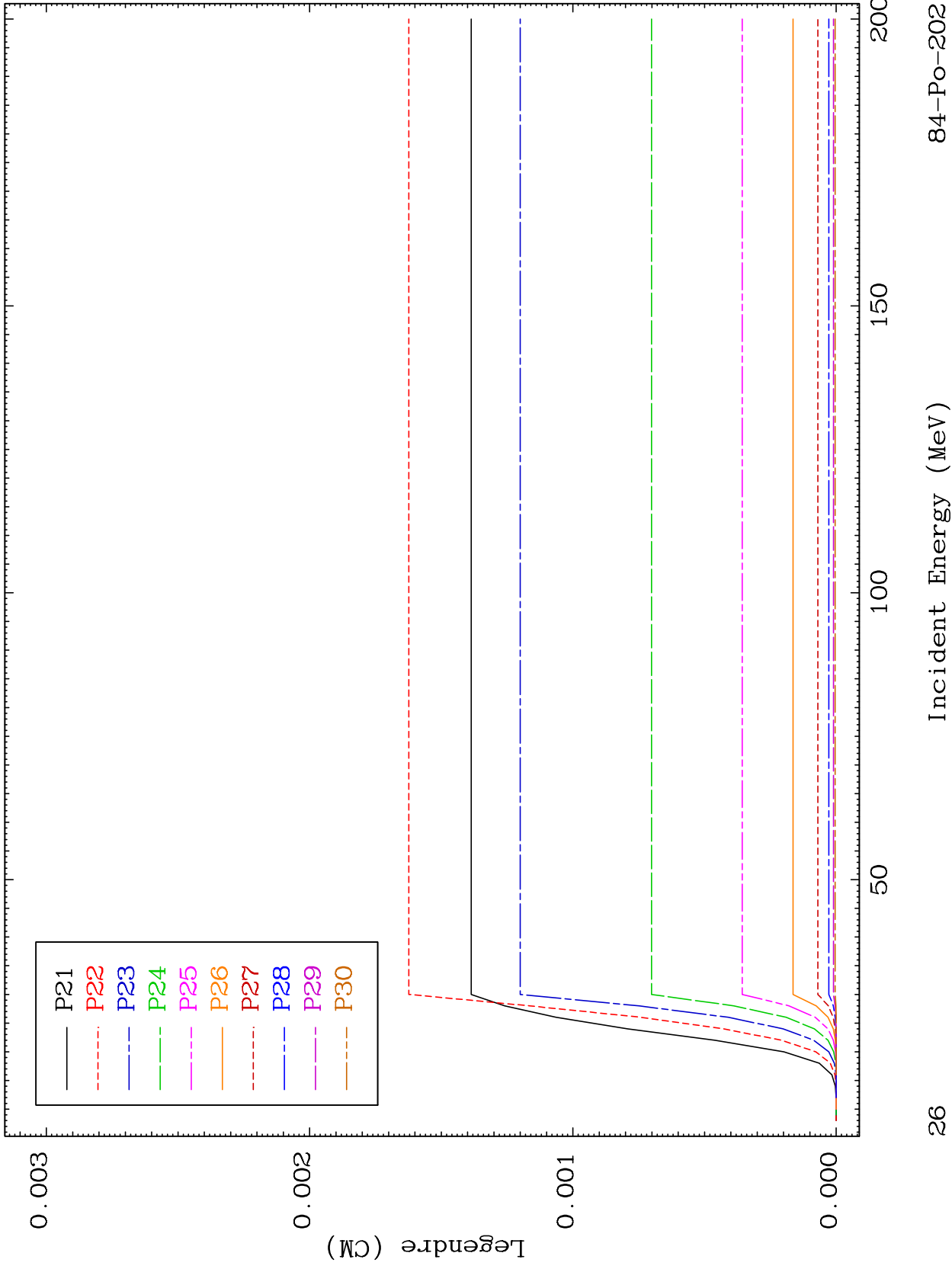
Incident Energy (MeV)

25

MAT 8413

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

84-Po-202



26

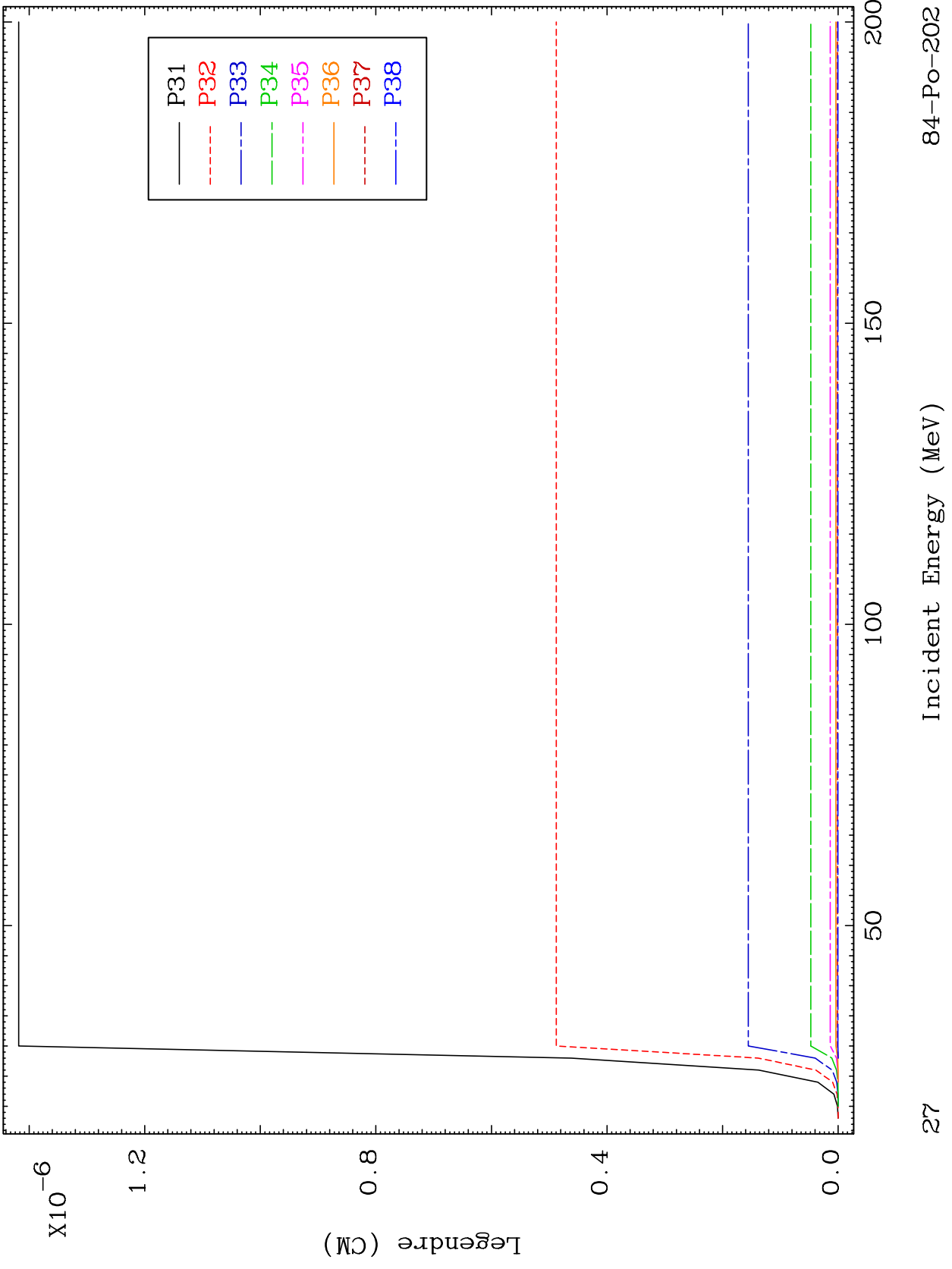
Incident Energy (MeV)

84-Po-202

MAT 8413

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

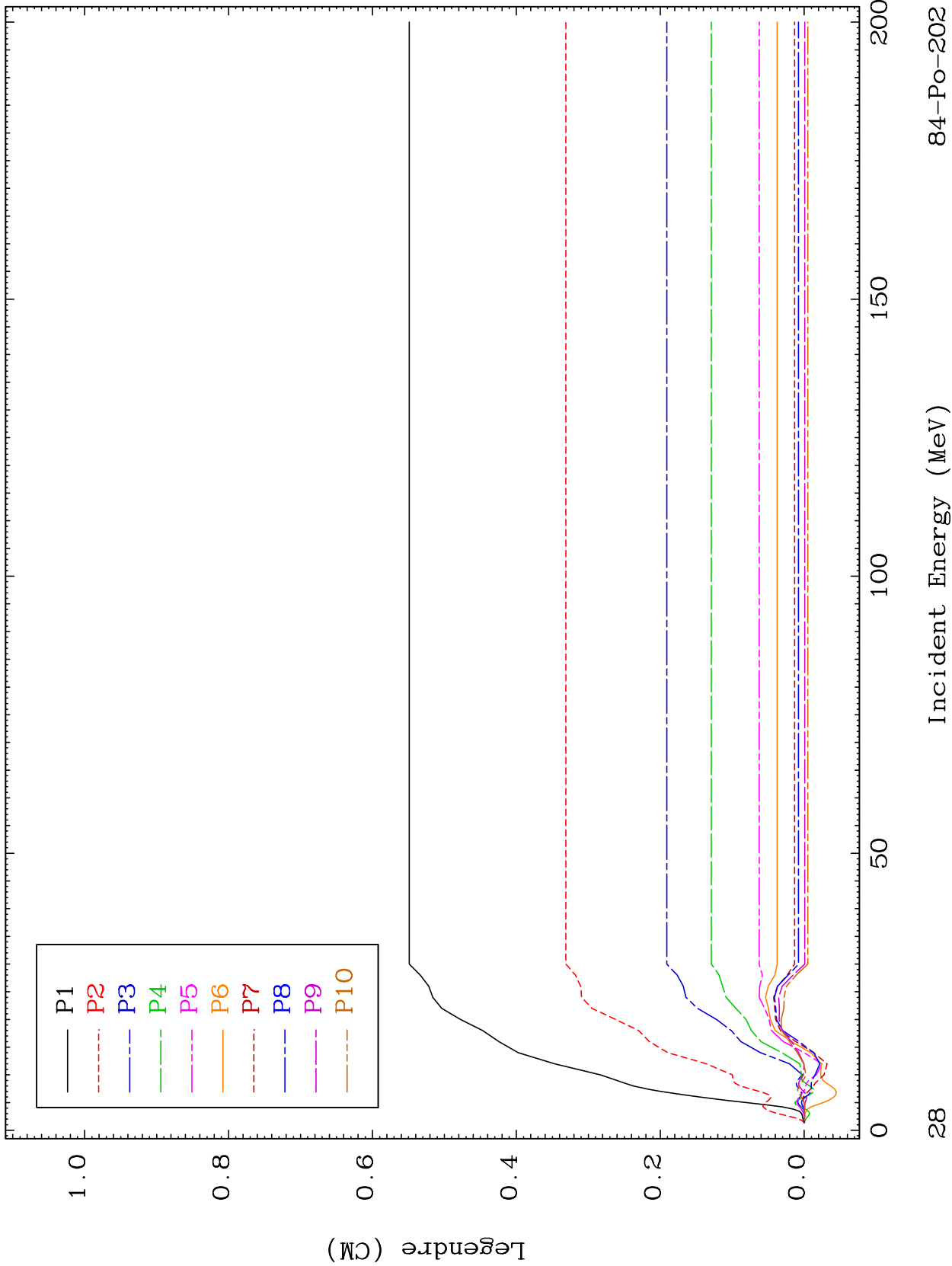
84-Po-202



MAT 8413

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

84-Po-202

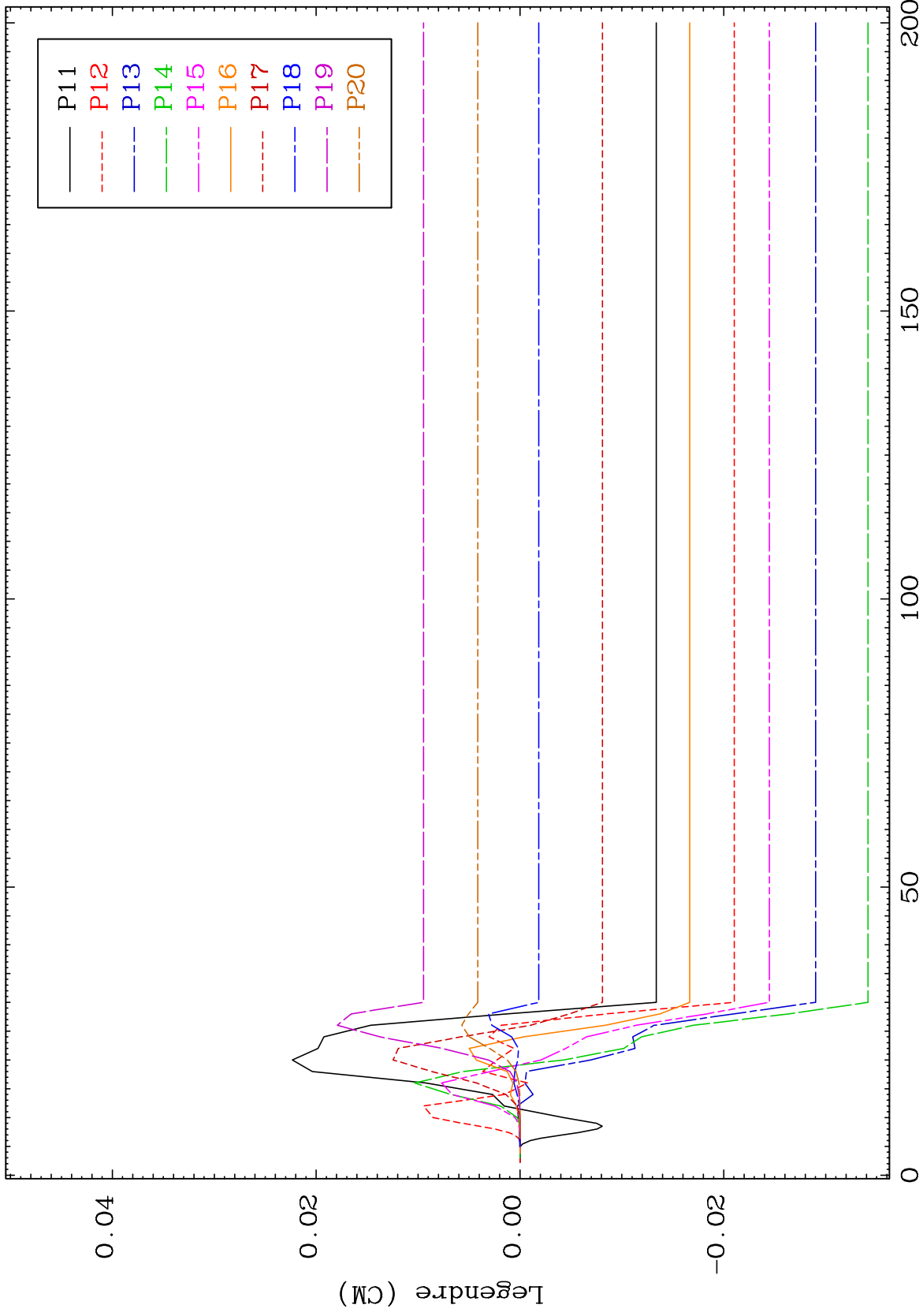


28

MAT 8413

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

84-Po-202



29

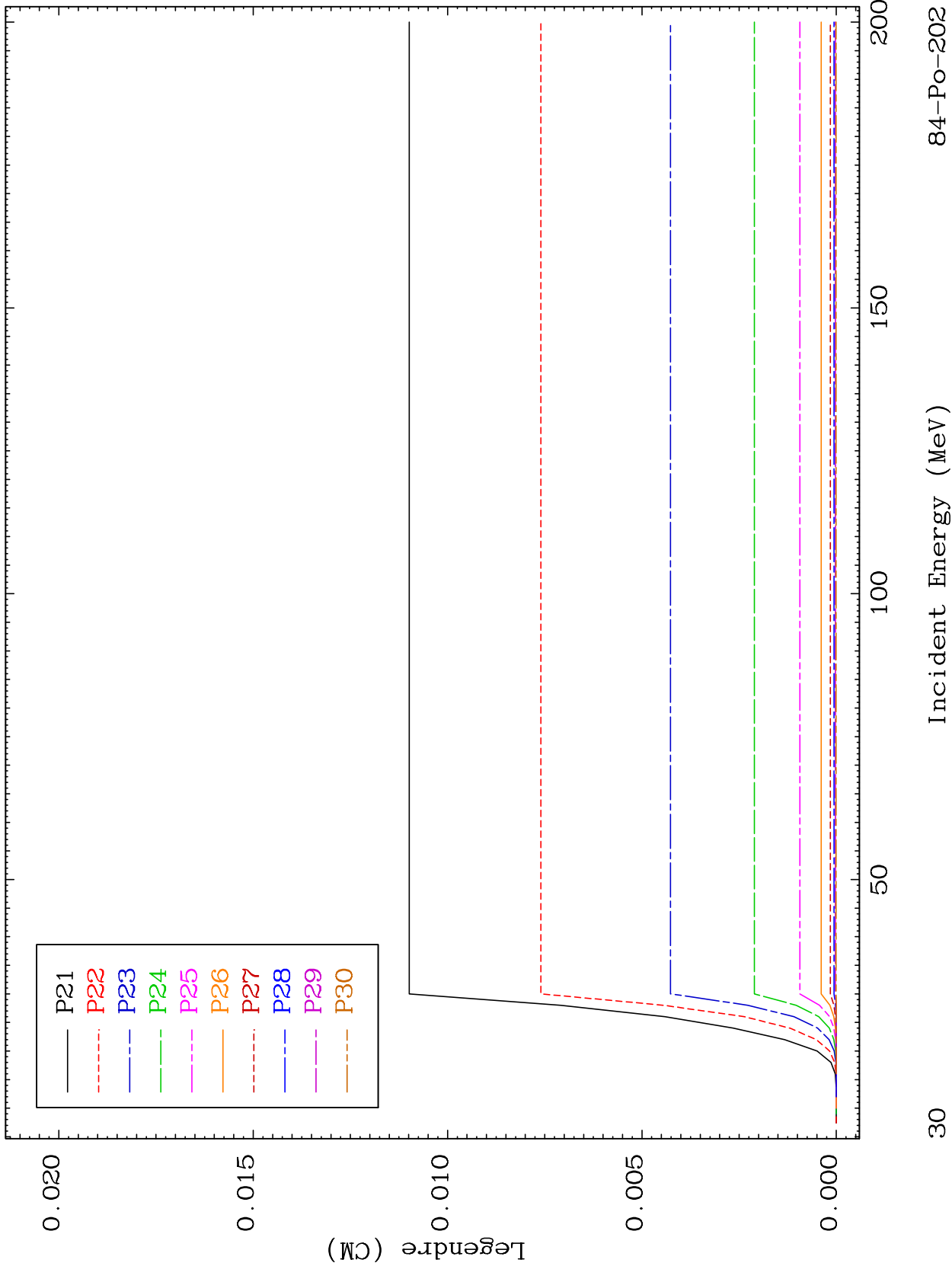
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



30

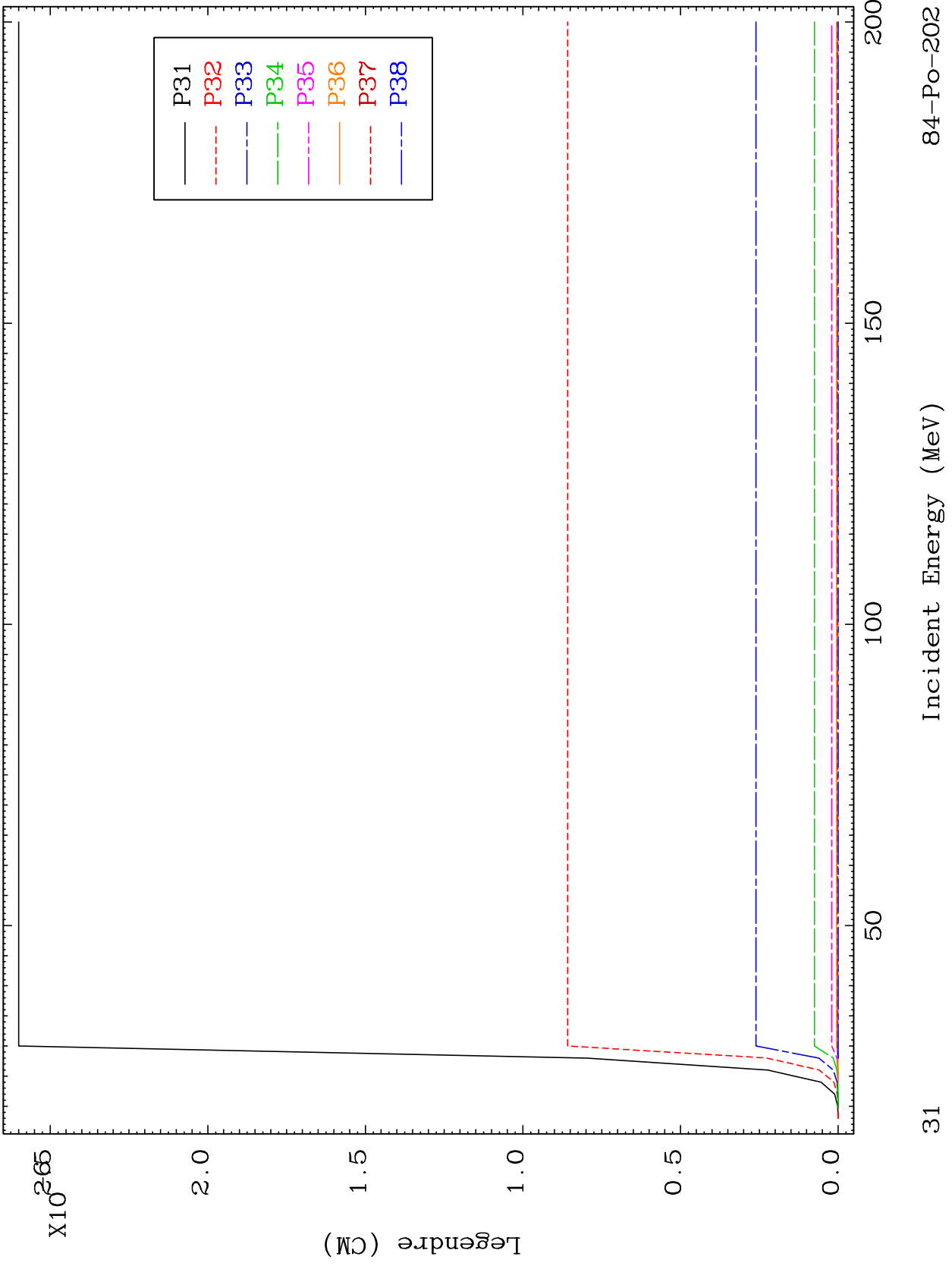
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



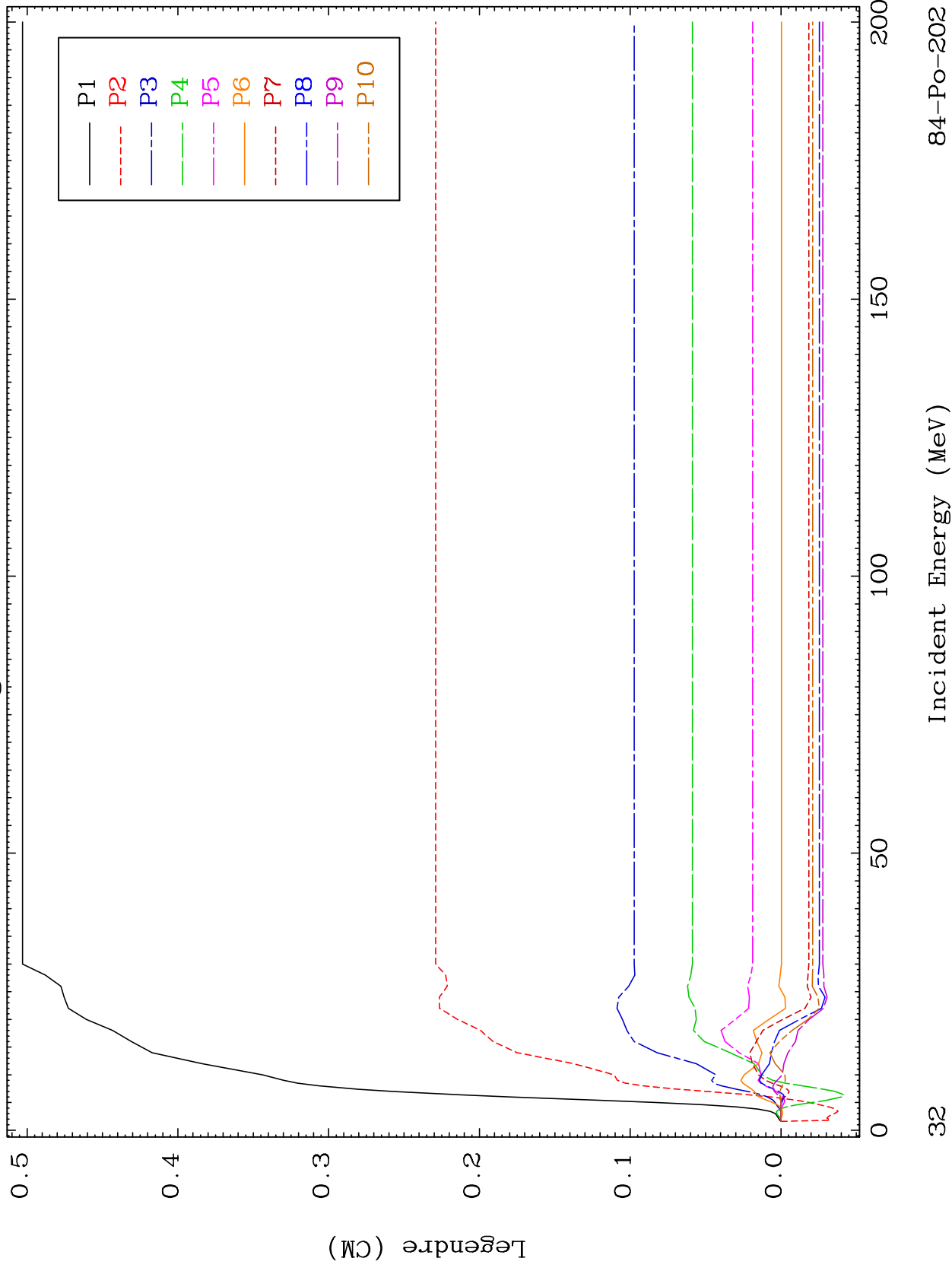
31

84-Po-202

MAT 8413

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

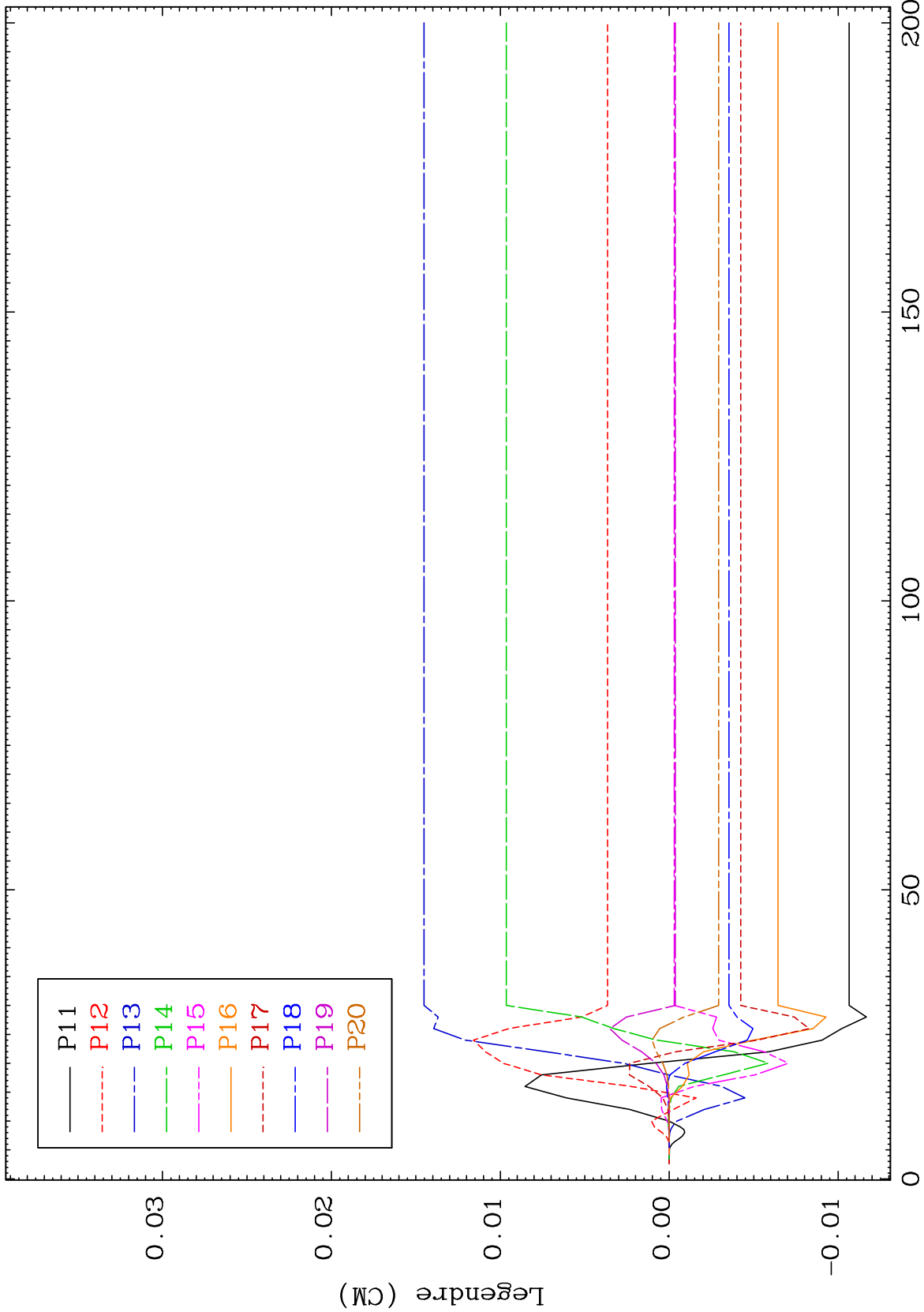
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MAT 8413

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

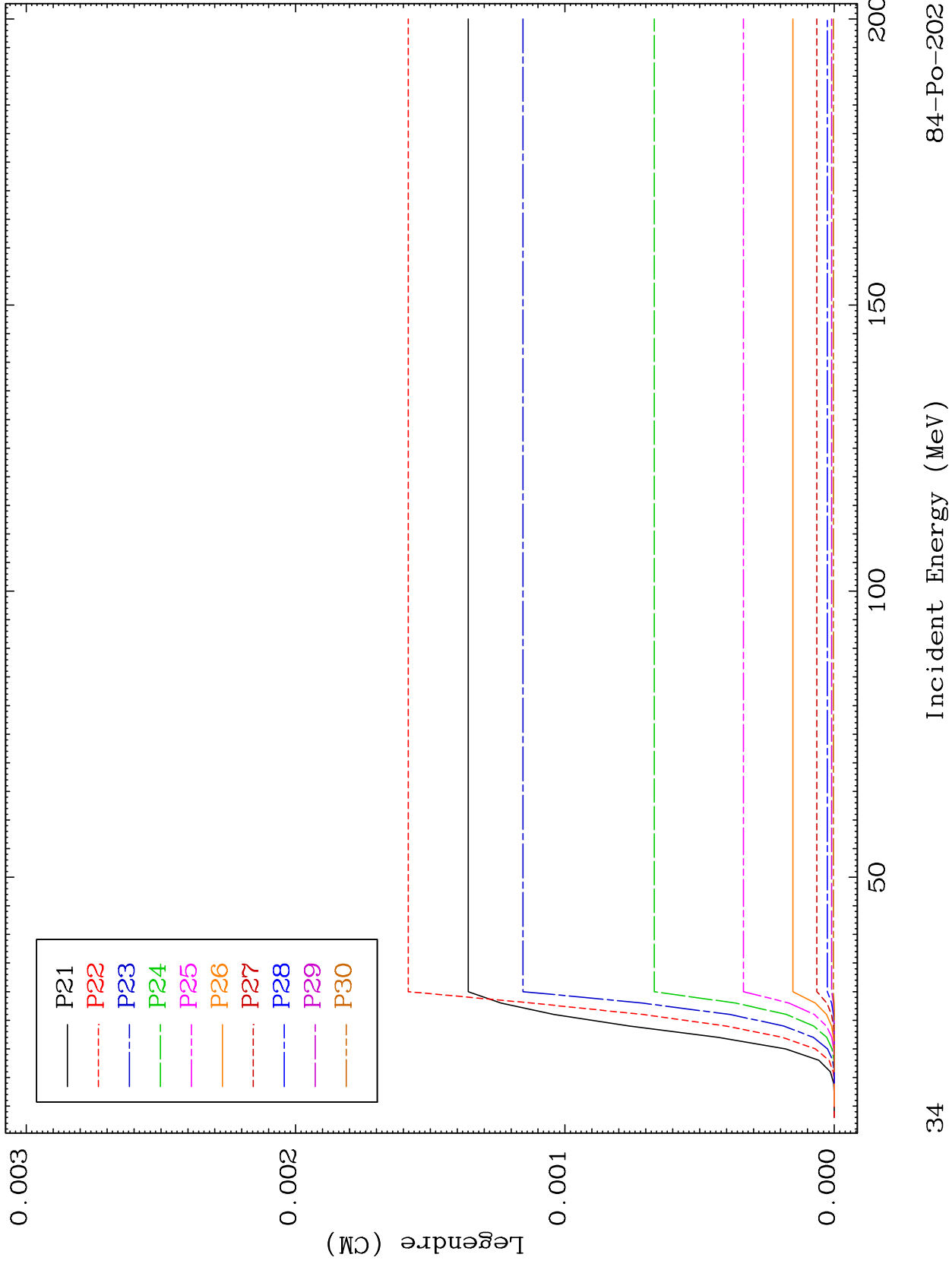
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MAT 8413

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

84-Po-202



34

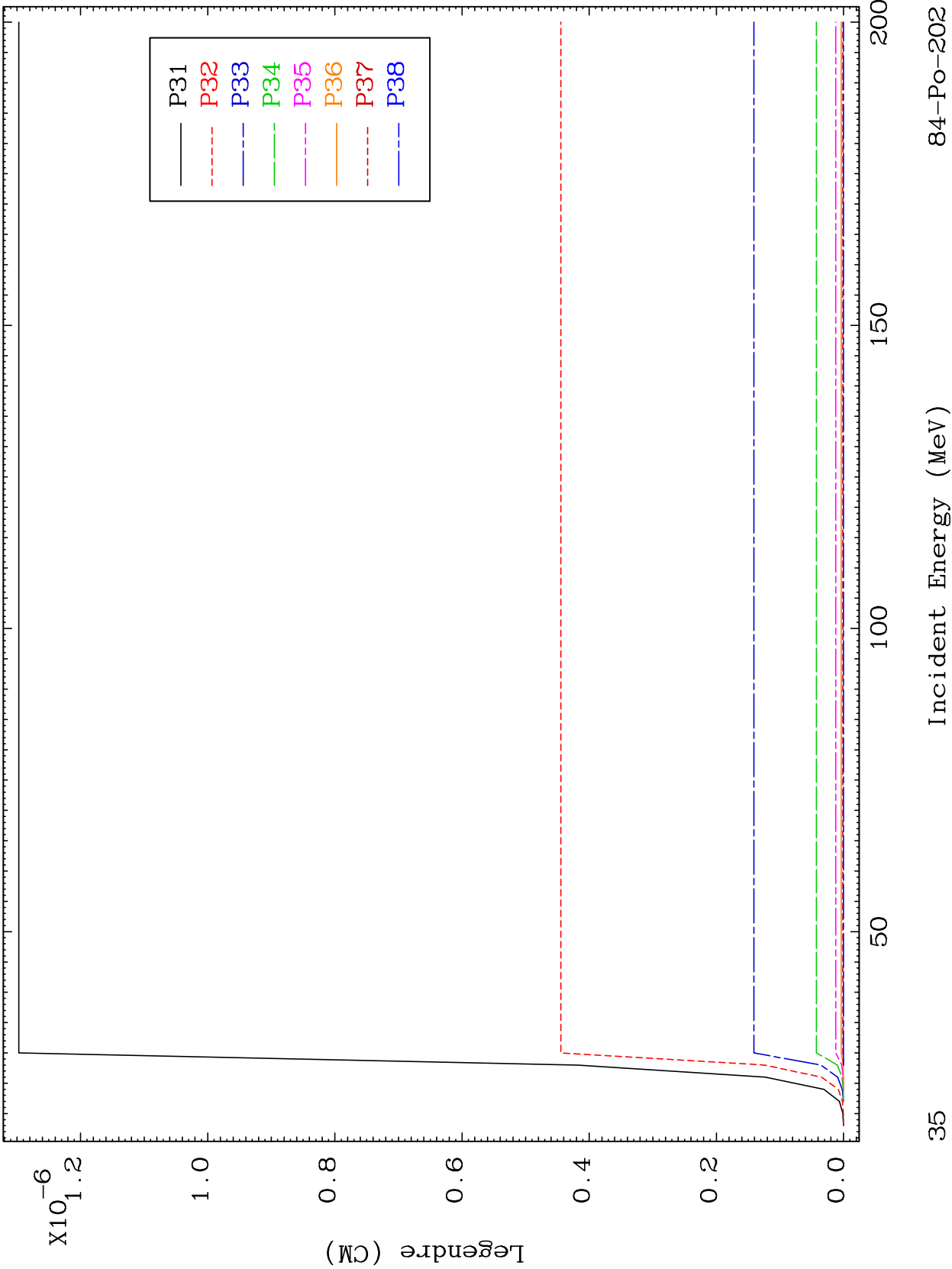
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



35

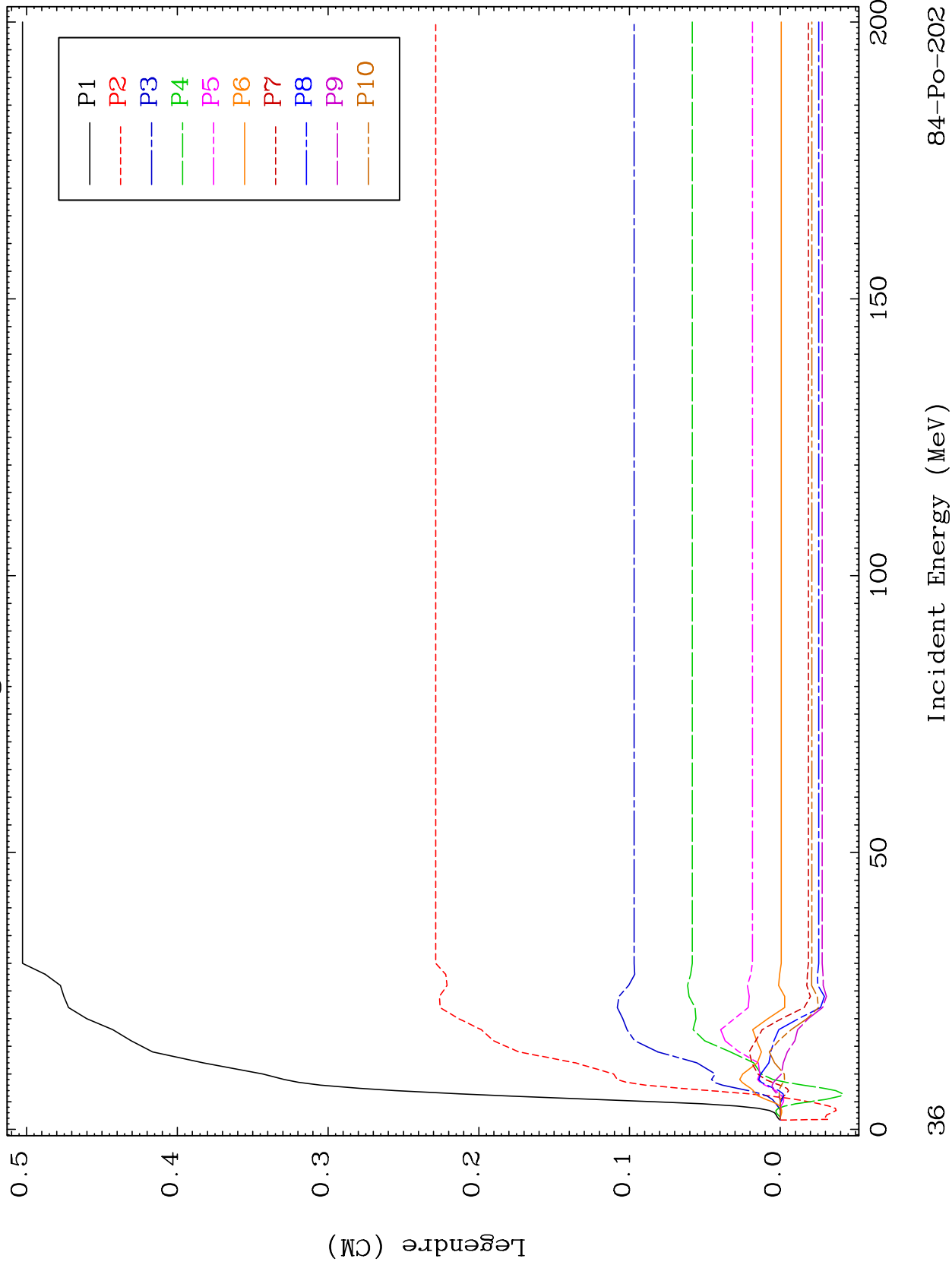
Incident Energy (MeV)

84-Po-202

MAT 8413

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

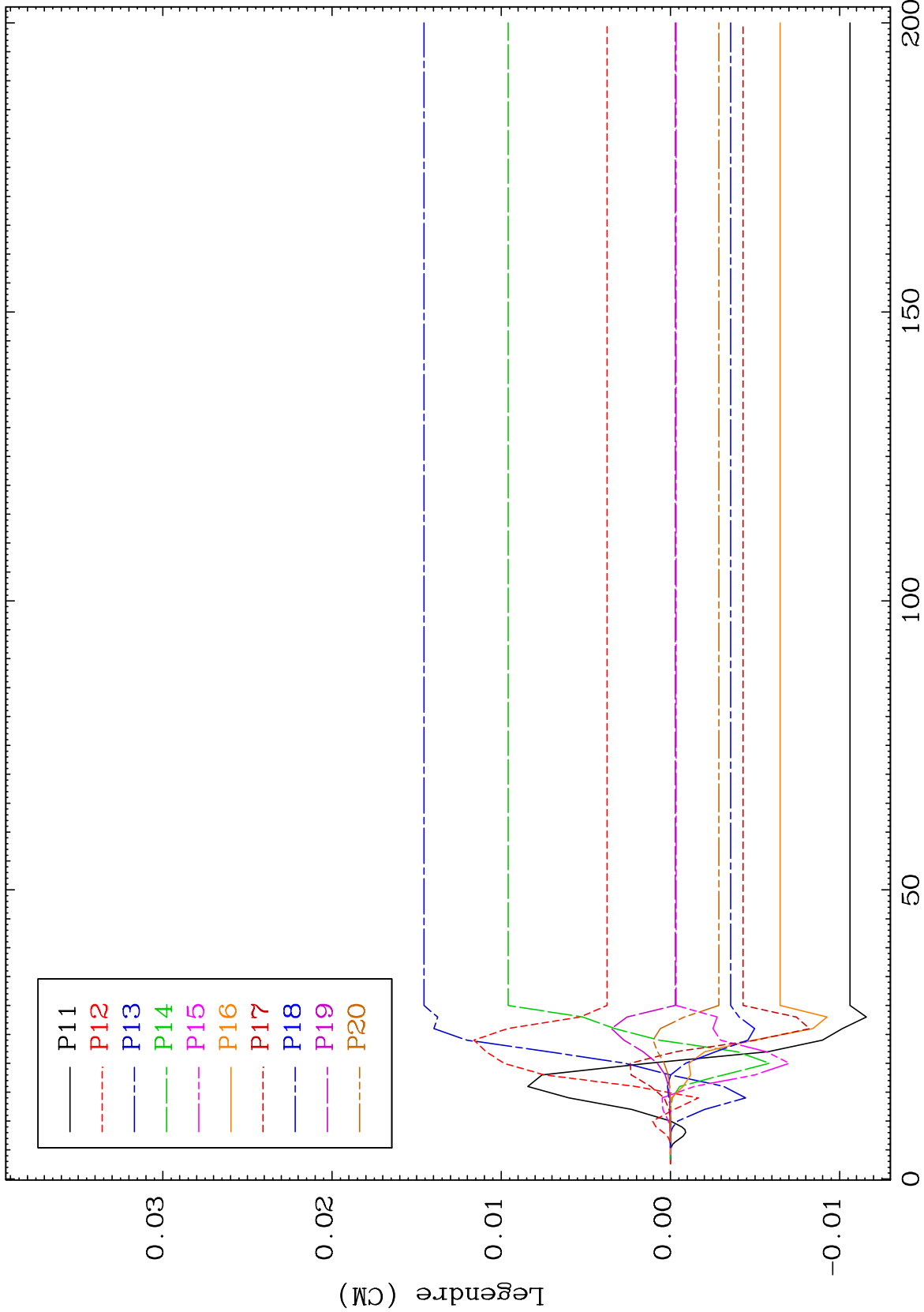
84-Po-202



MAT 8413

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

84-Po-202



37

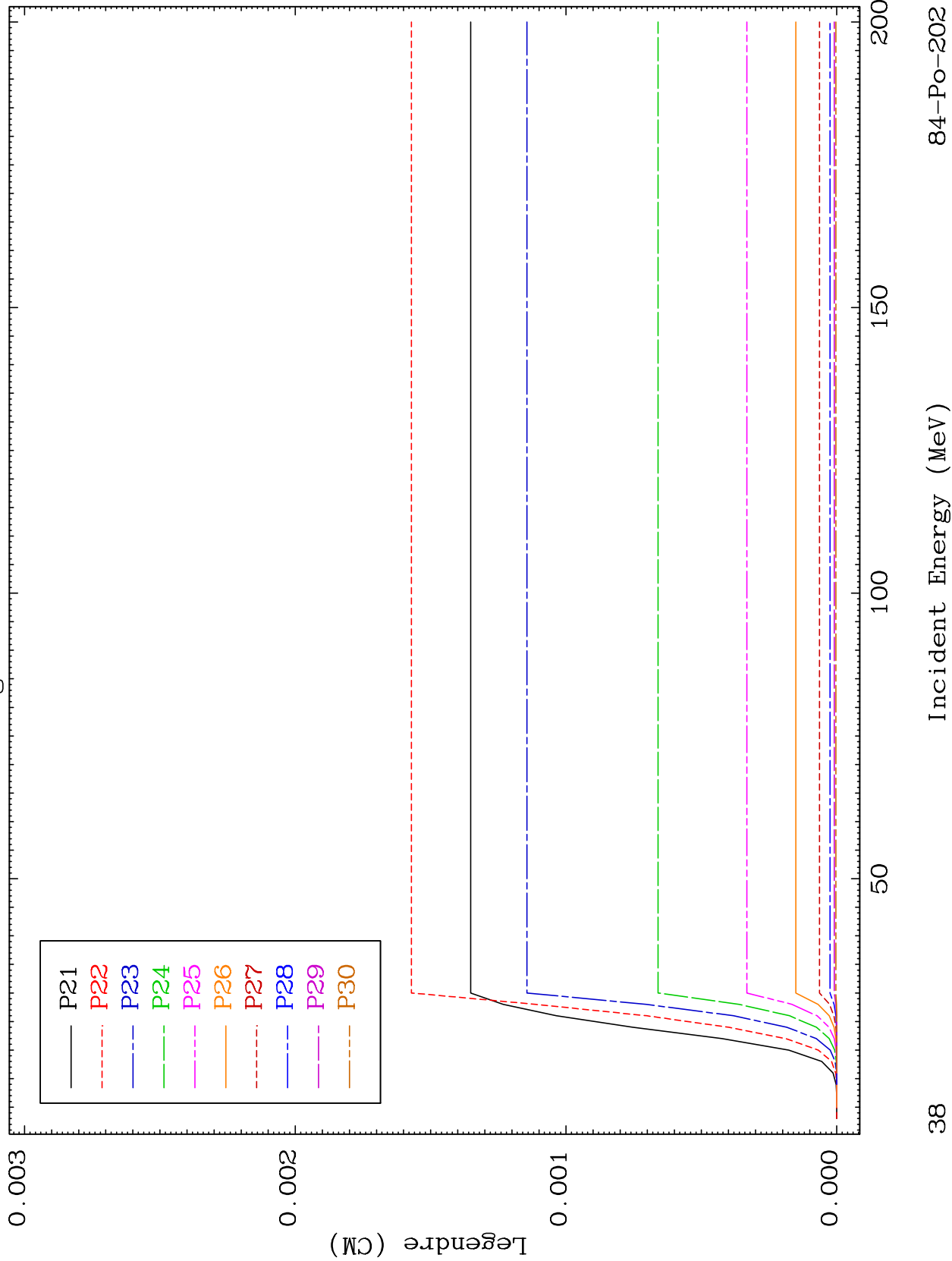
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



38

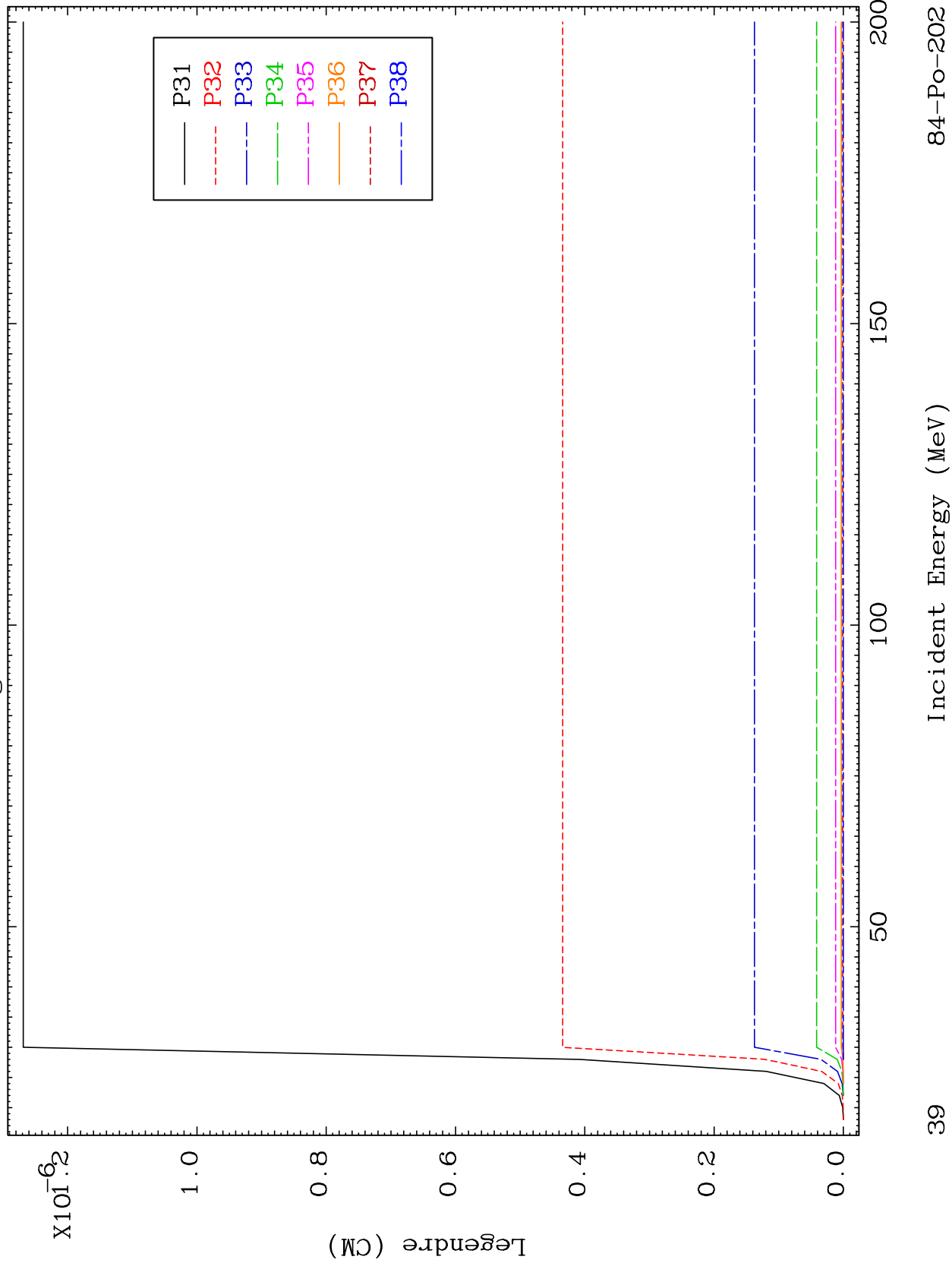
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



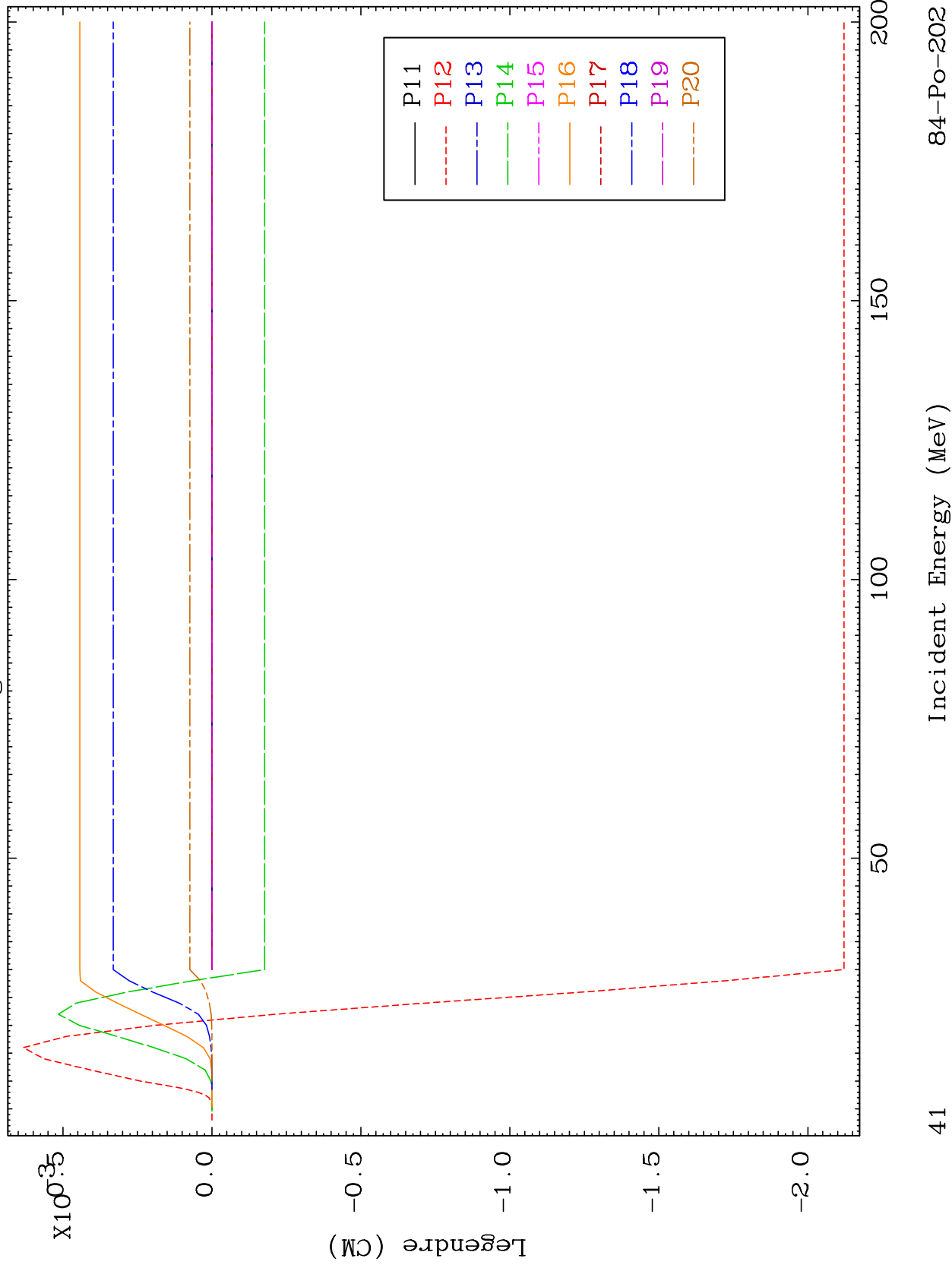
39

84-Po-202

MAT 8413

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

84-Po-202



41

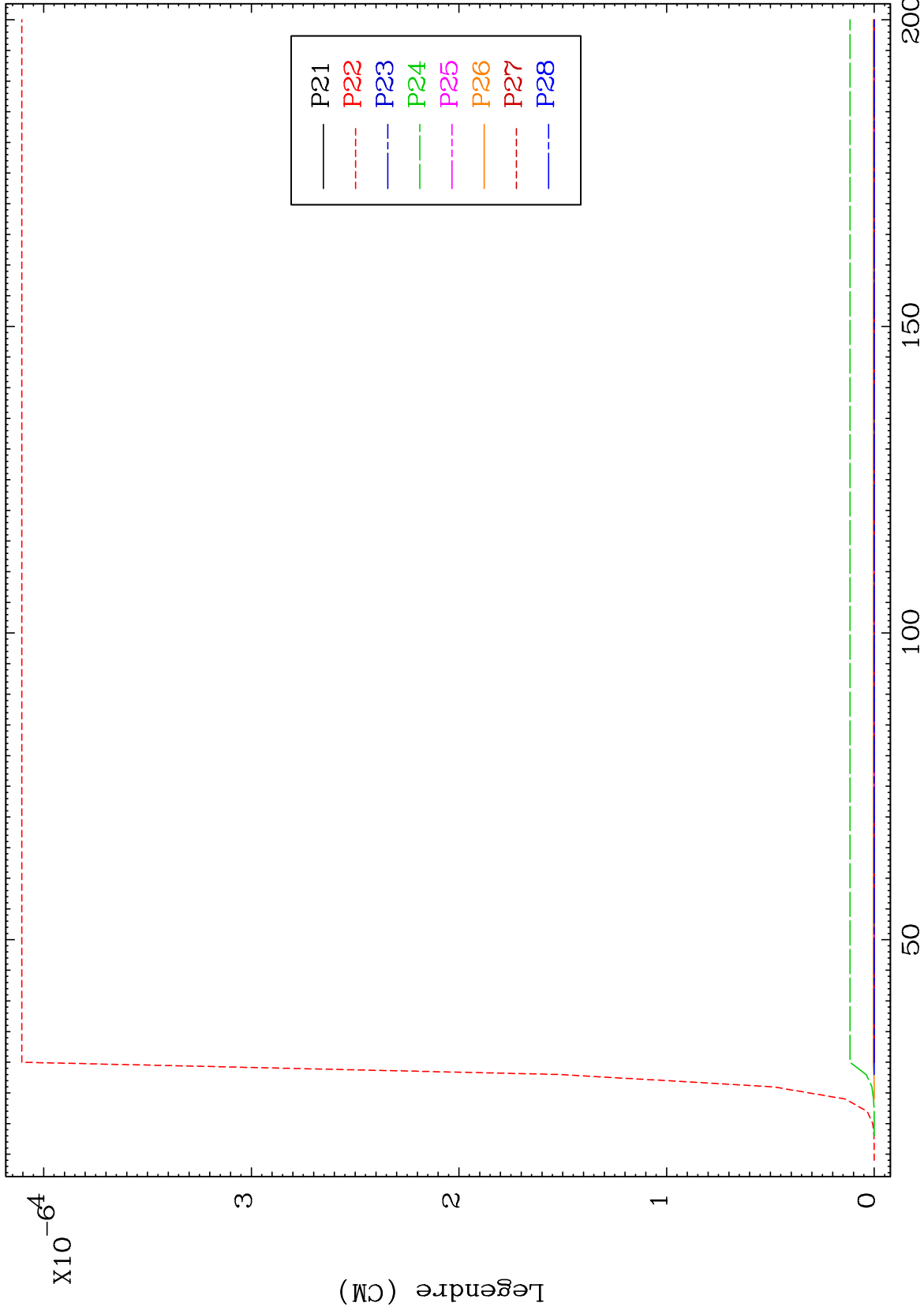
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



42

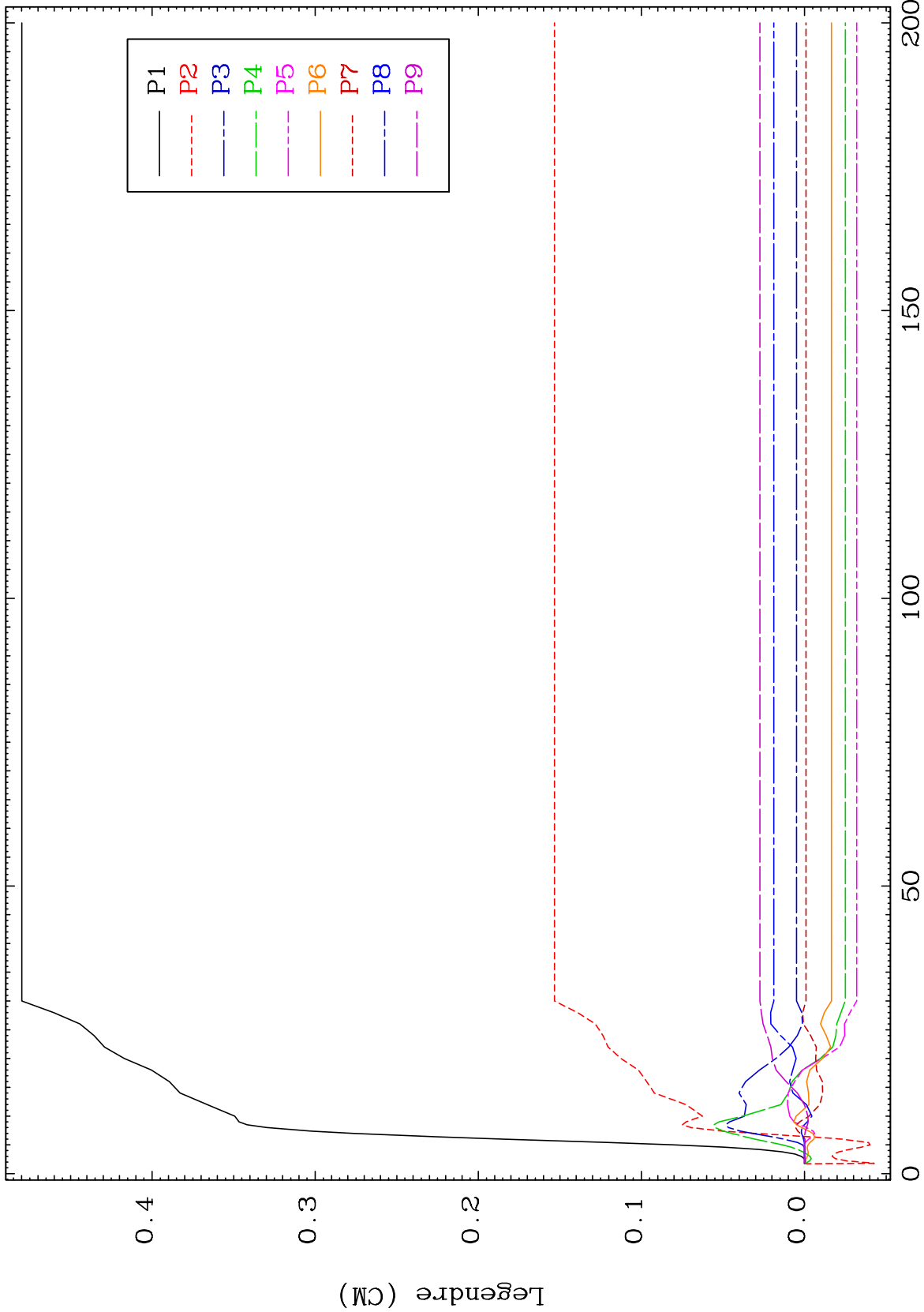
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



43

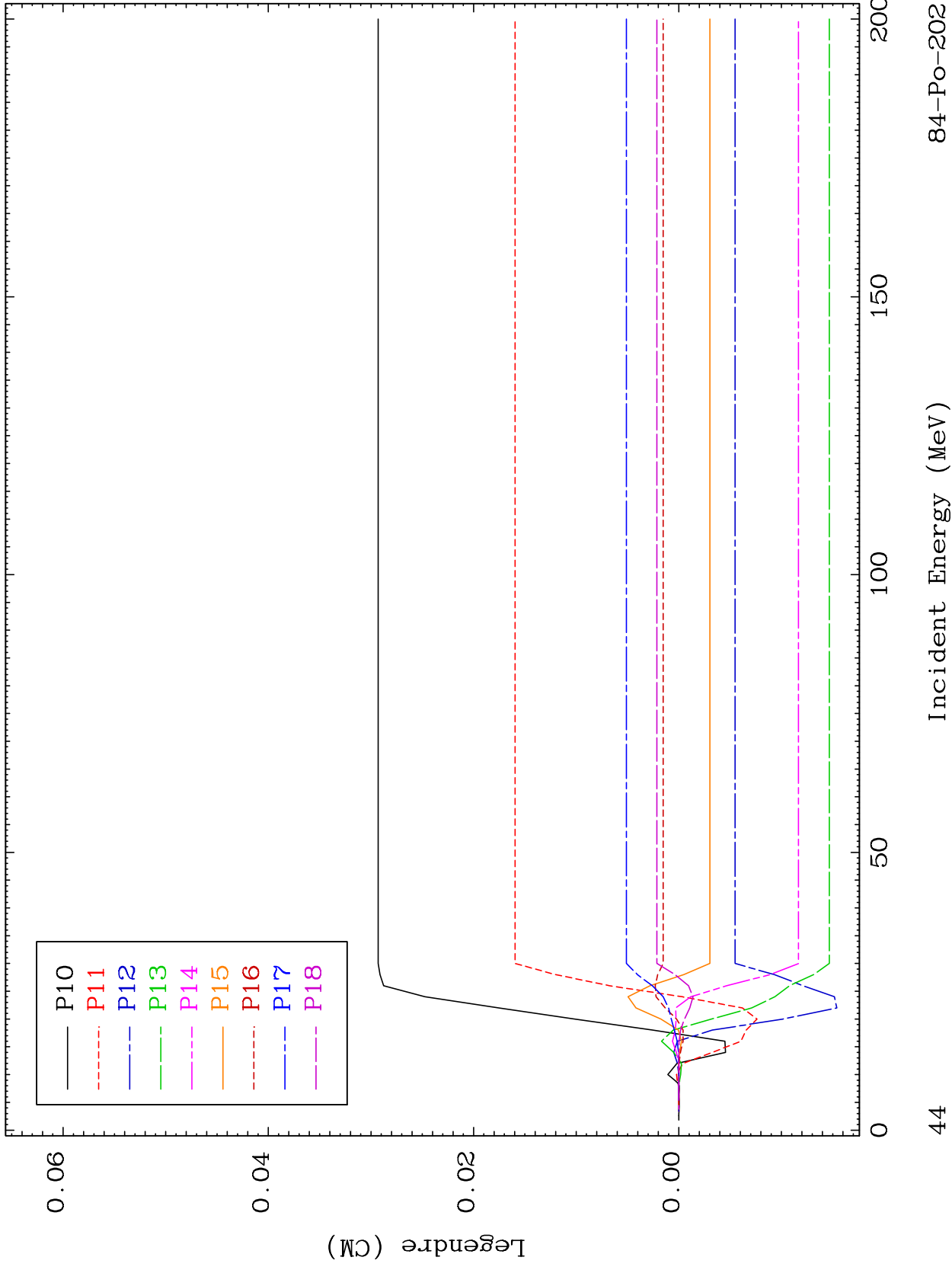
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



44

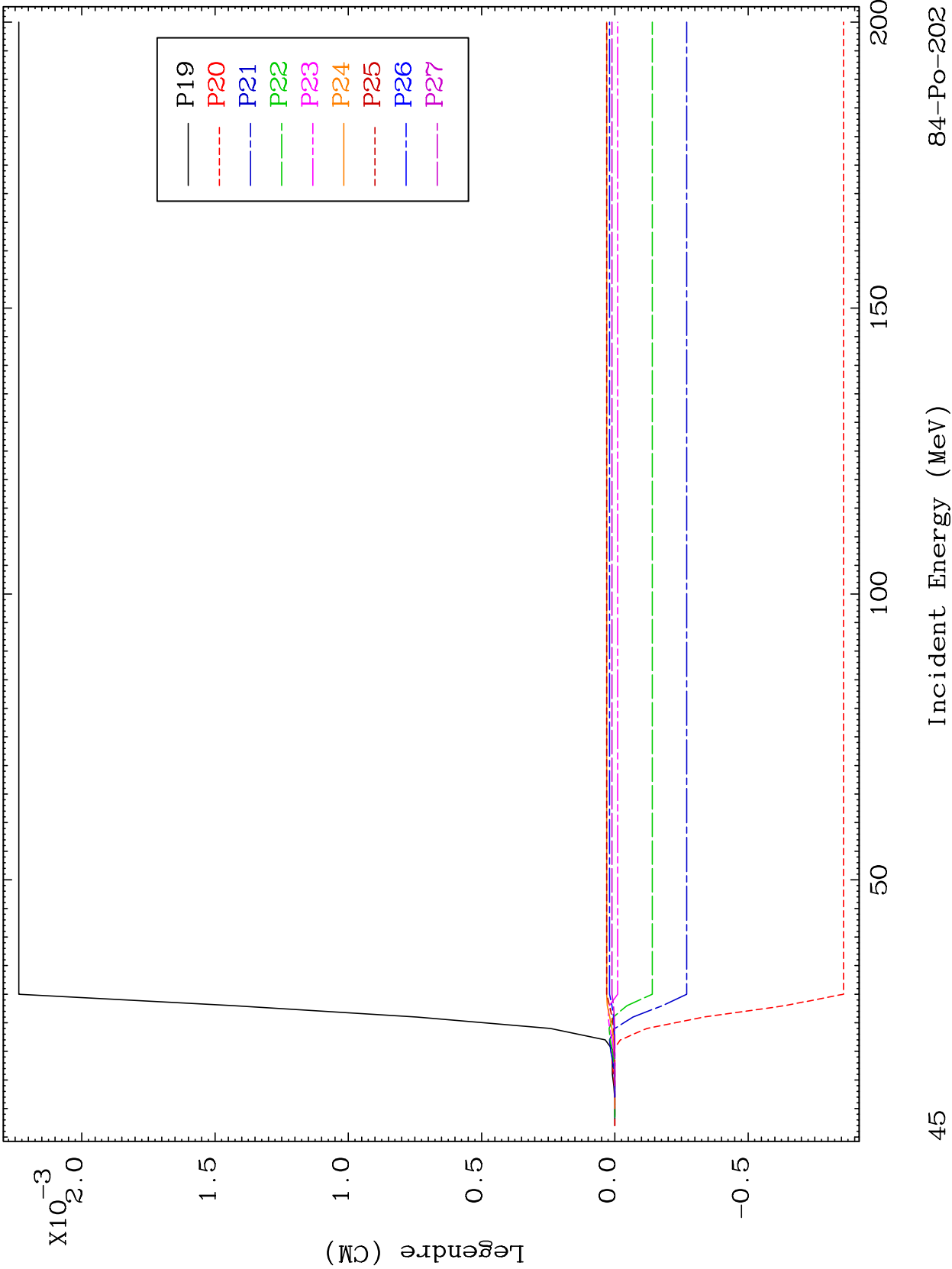
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



45

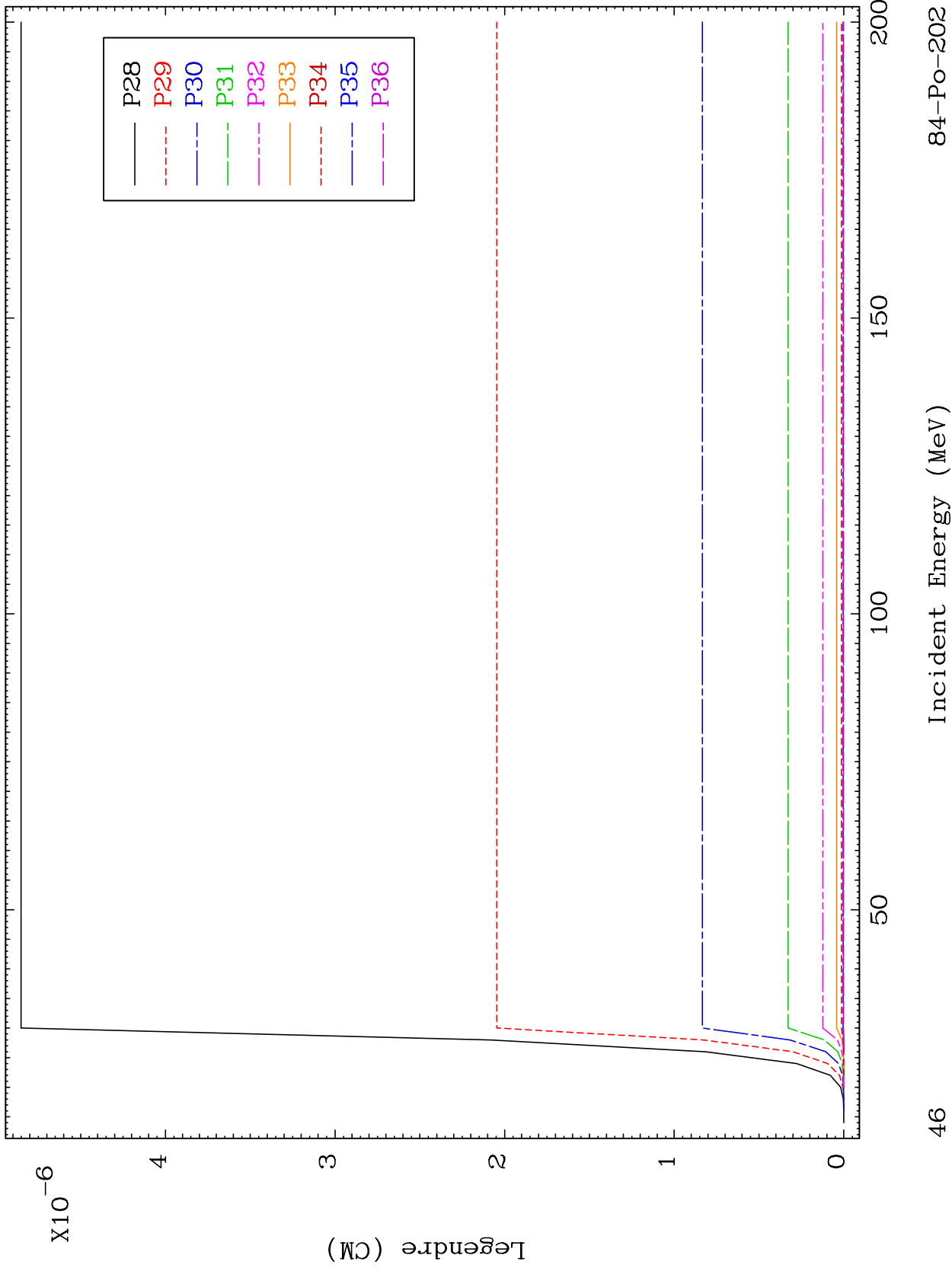
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



46

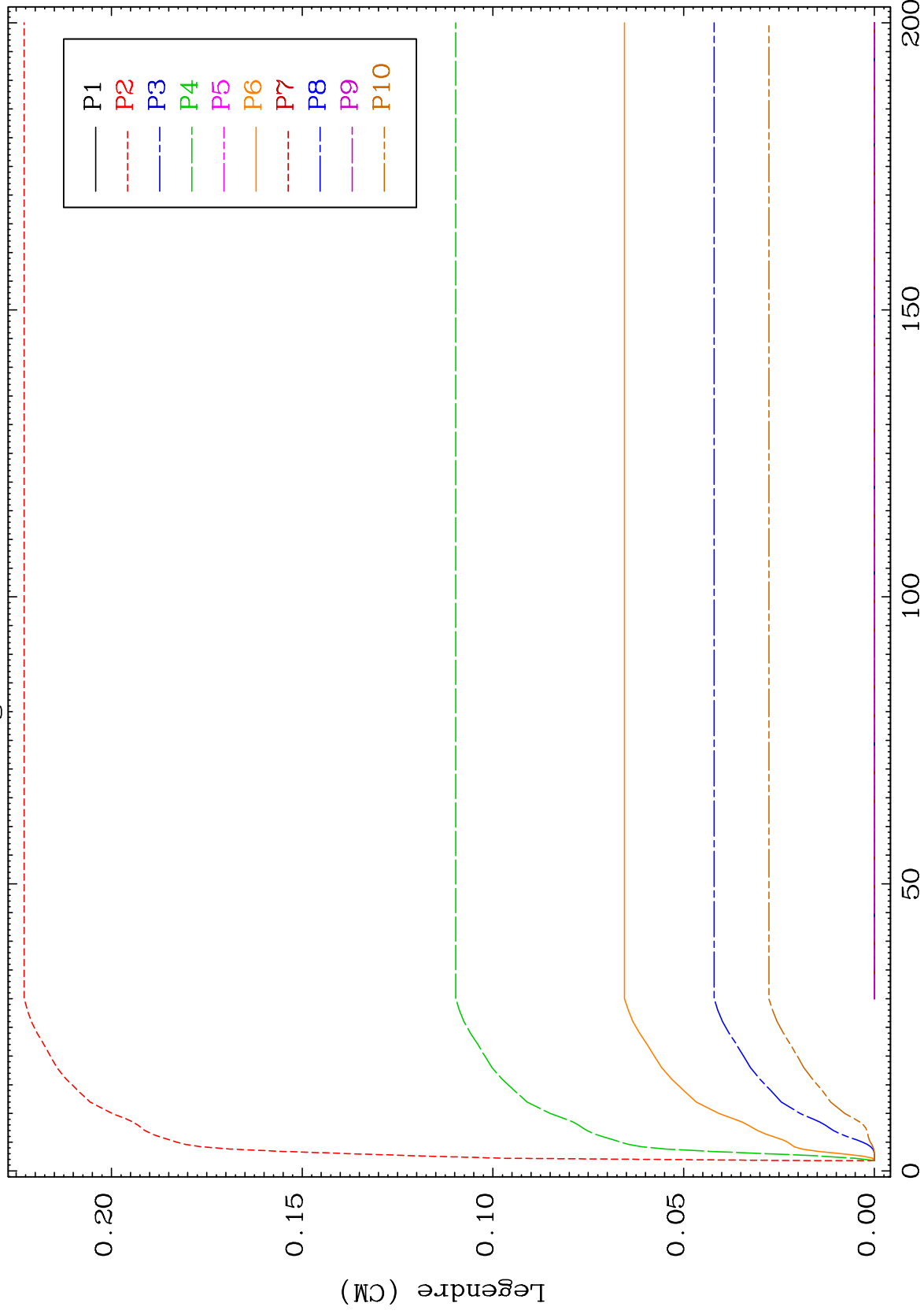
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



47

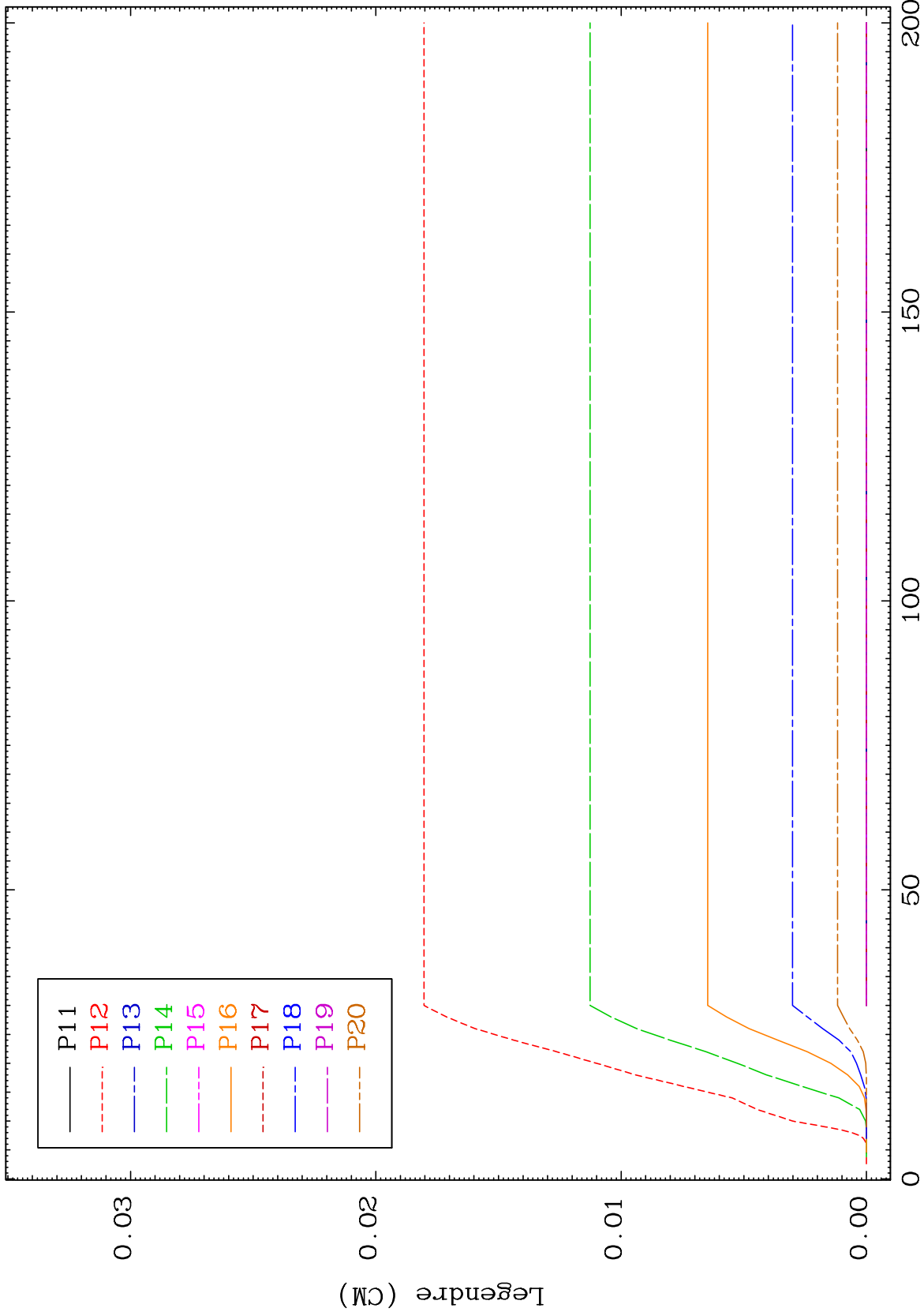
Incident Energy (MeV)

84-Po-202

MAT 8413

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

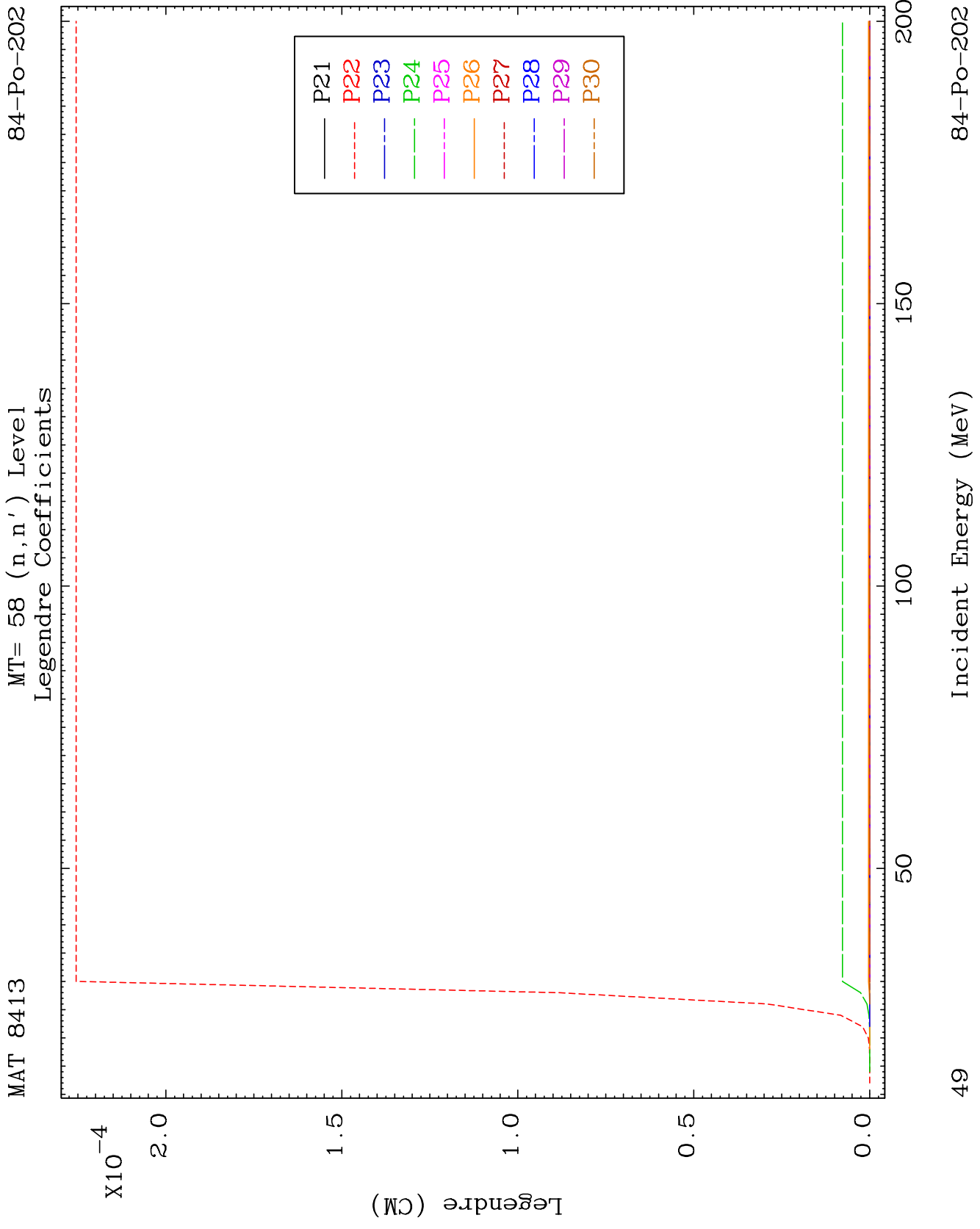
84-Po-202



48

Incident Energy (MeV)

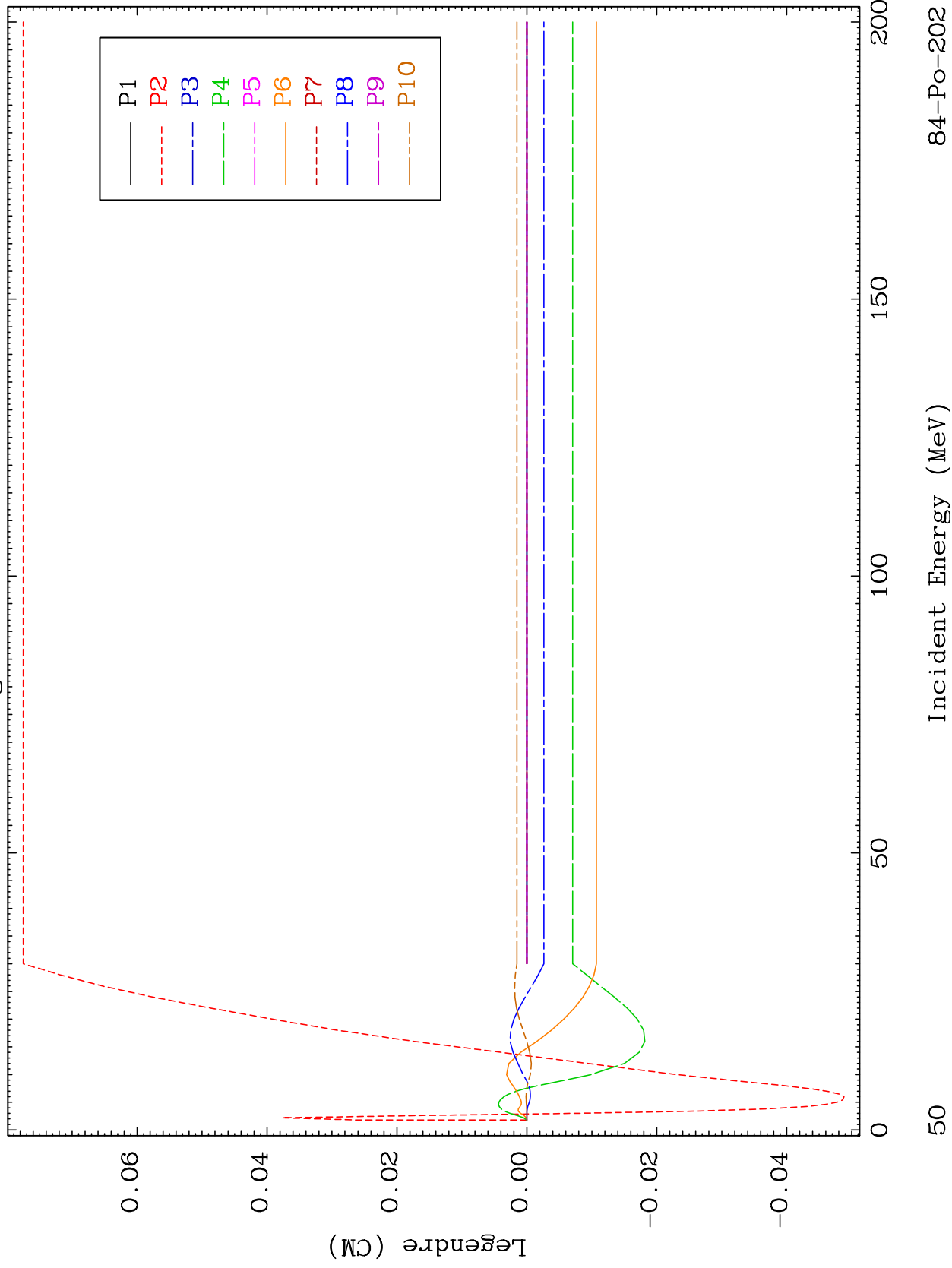
84-Po-202



MAT 8413

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

84-Po-202

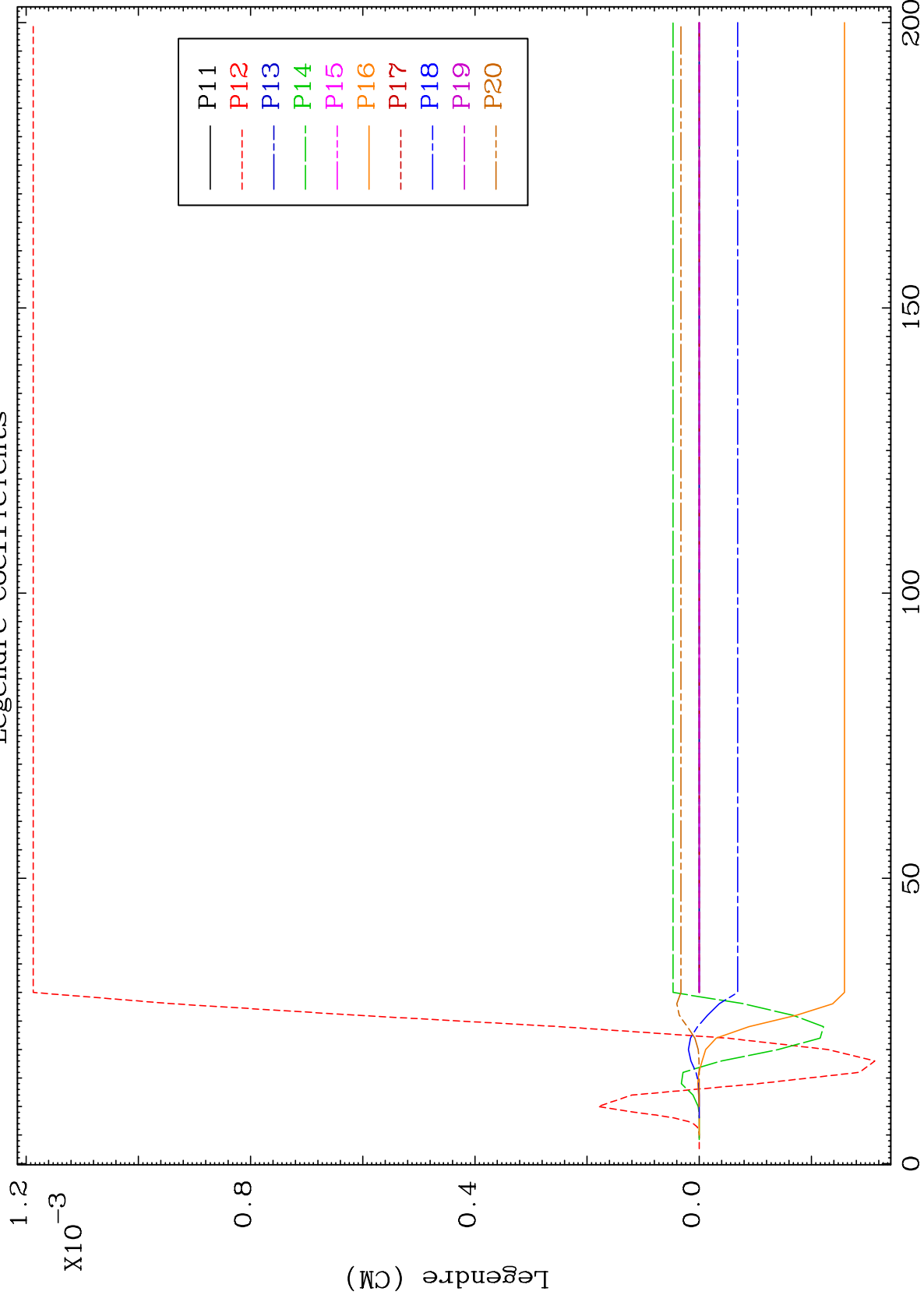


84-Po-202

MAT 8413

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

84-Po-202



51

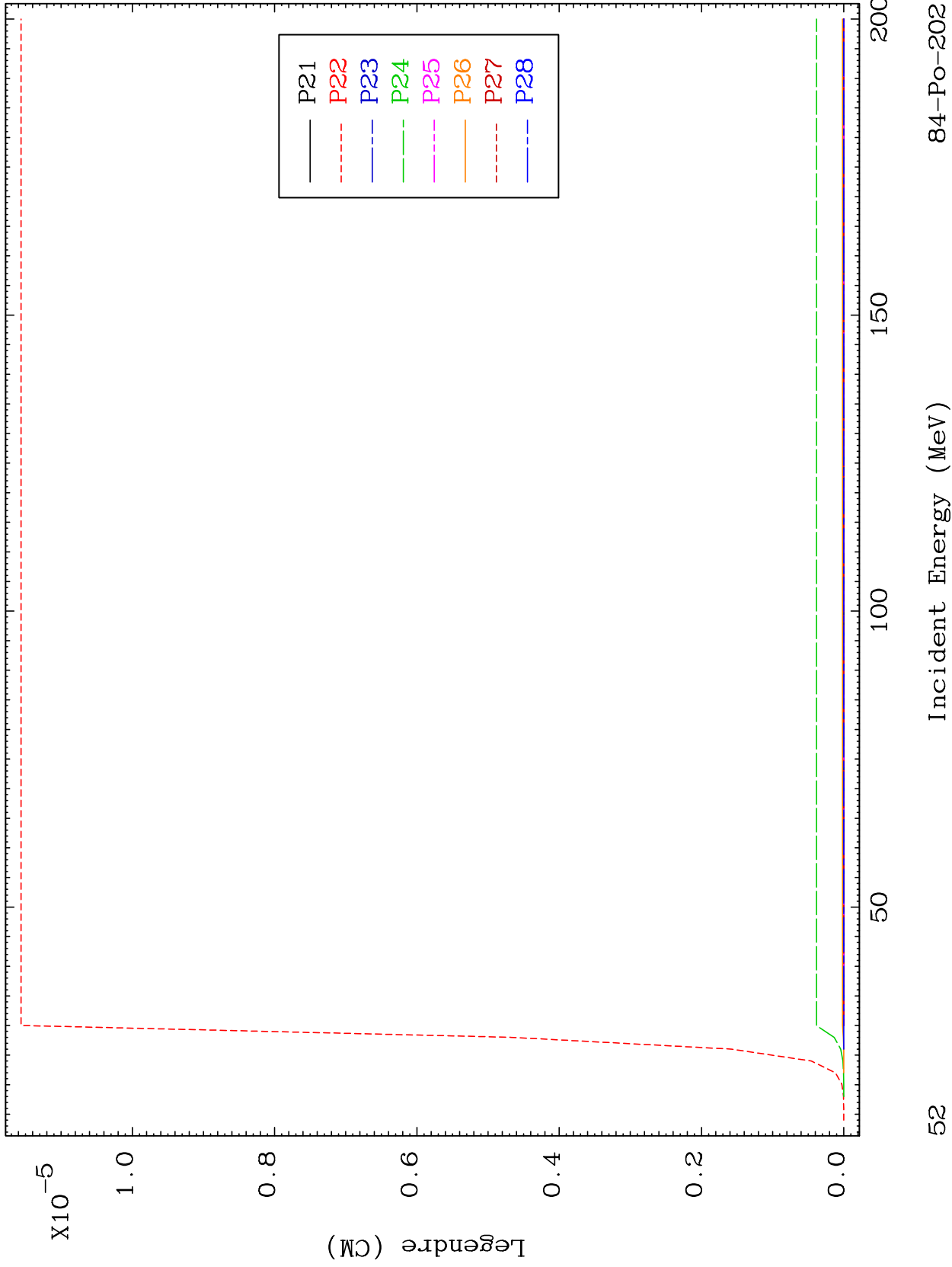
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



52

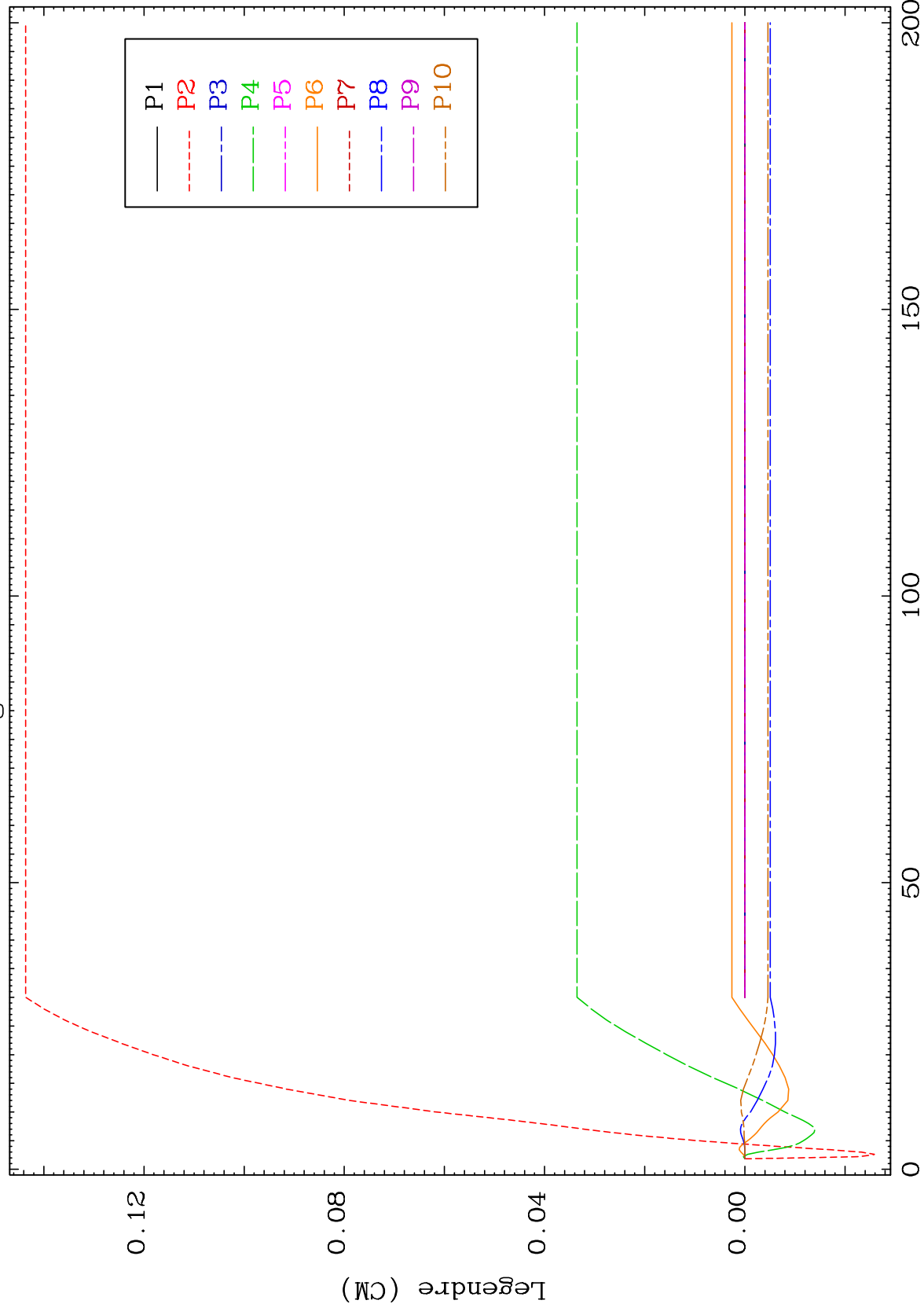
Incident Energy (MeV)

84-Po-202

MAT 8413

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

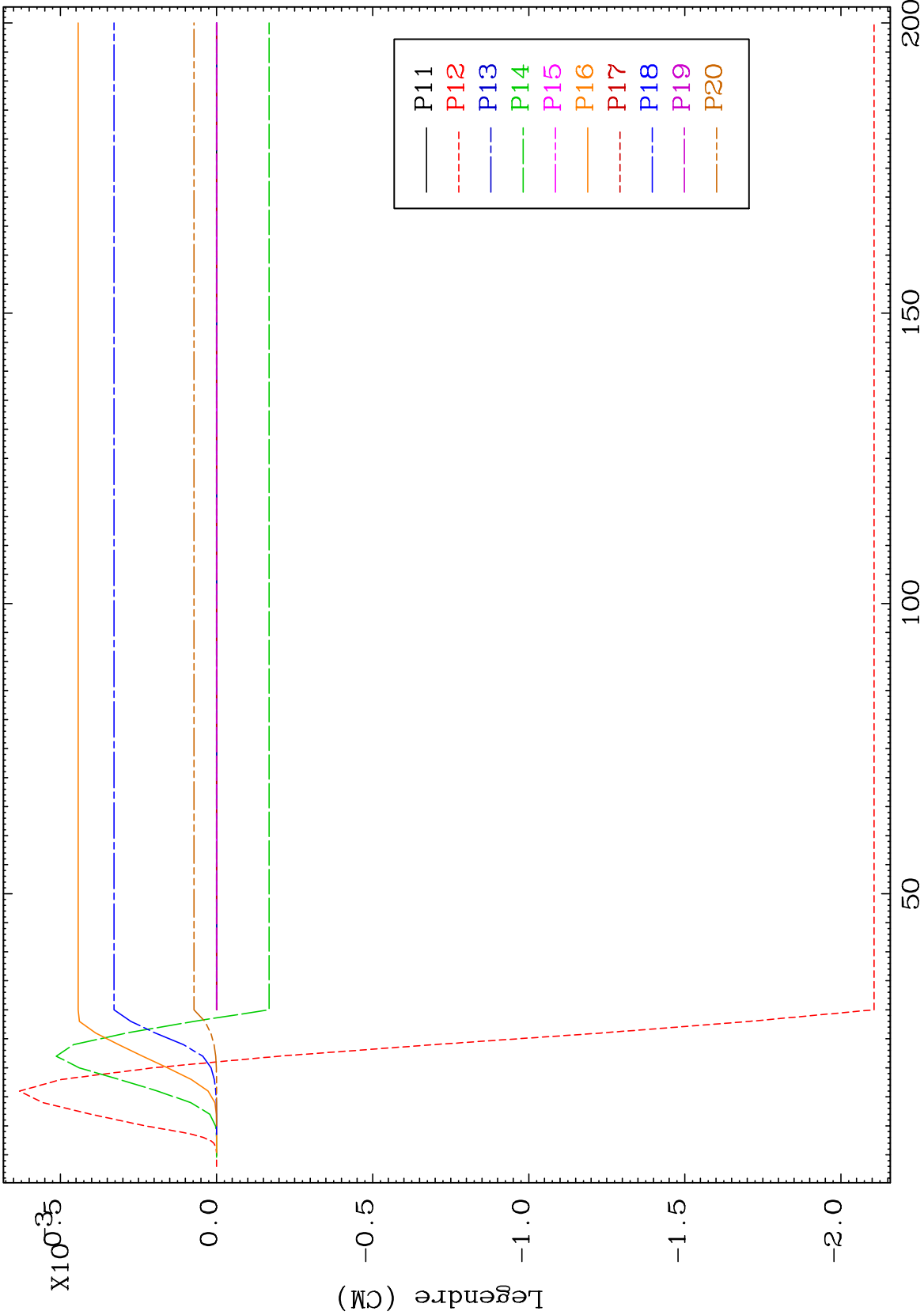
84-Po-202



53

Incident Energy (MeV)

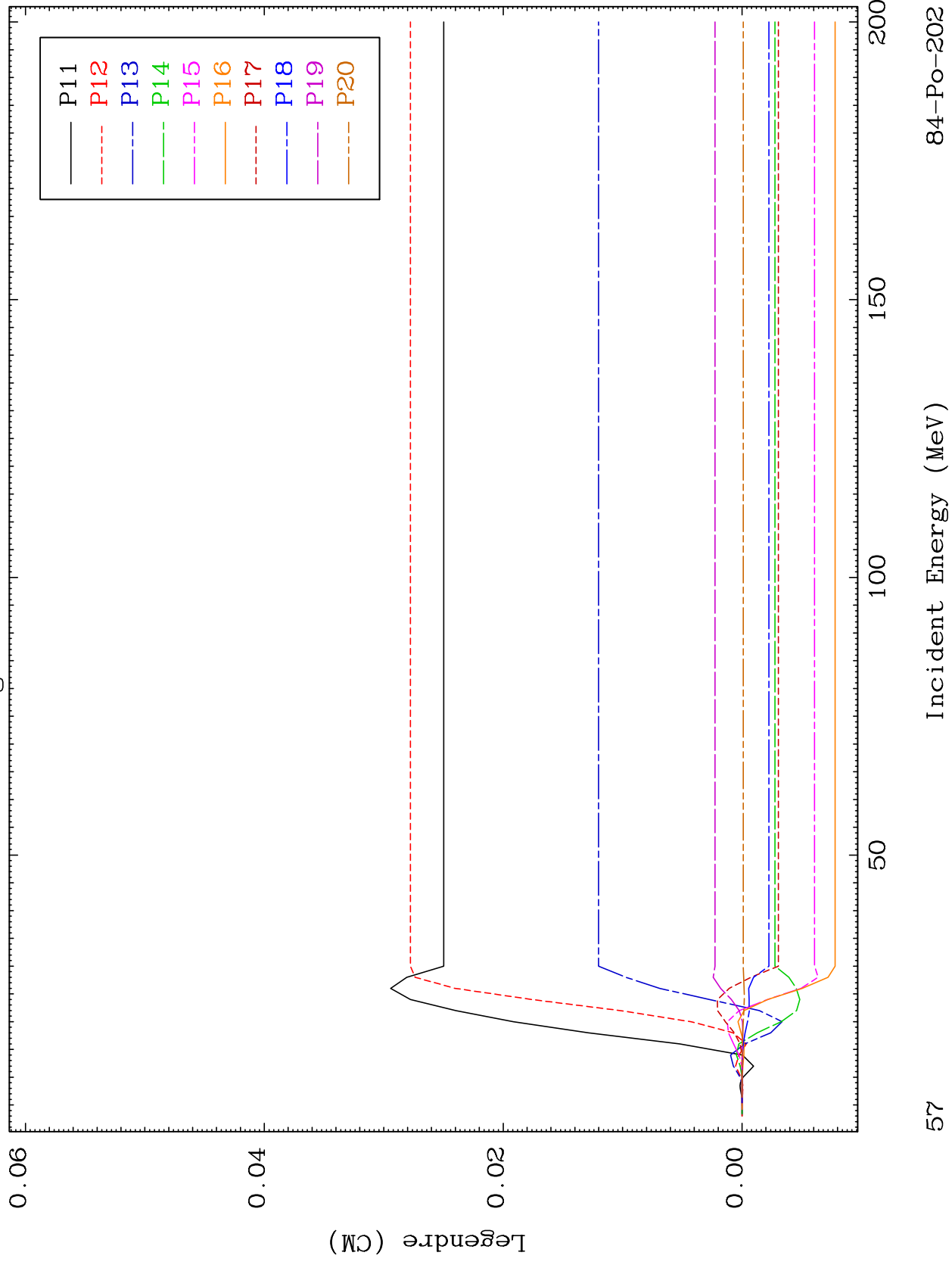
84-Po-202



MAT 8413

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

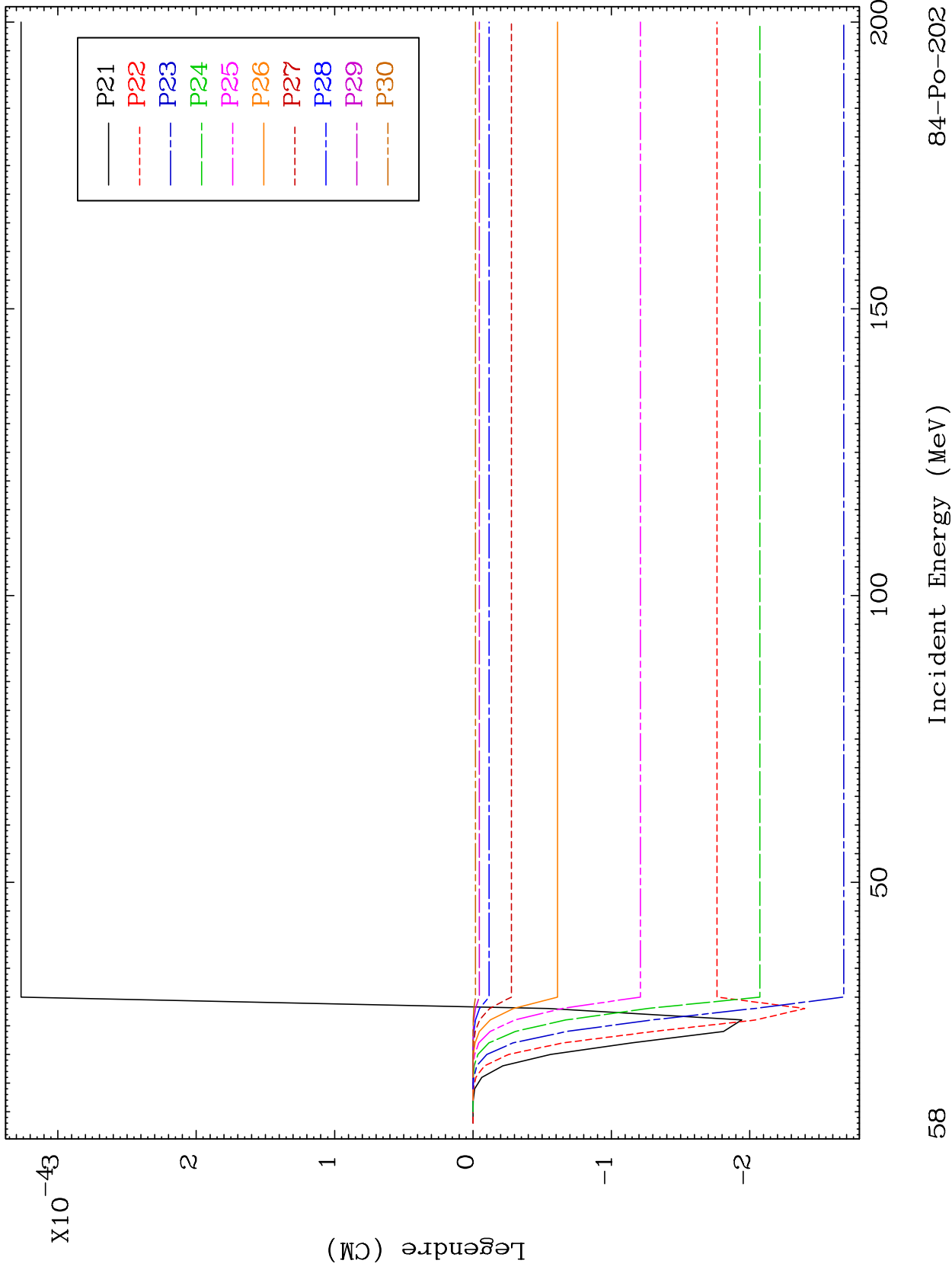
84-Po-202



57

Incident Energy (MeV)

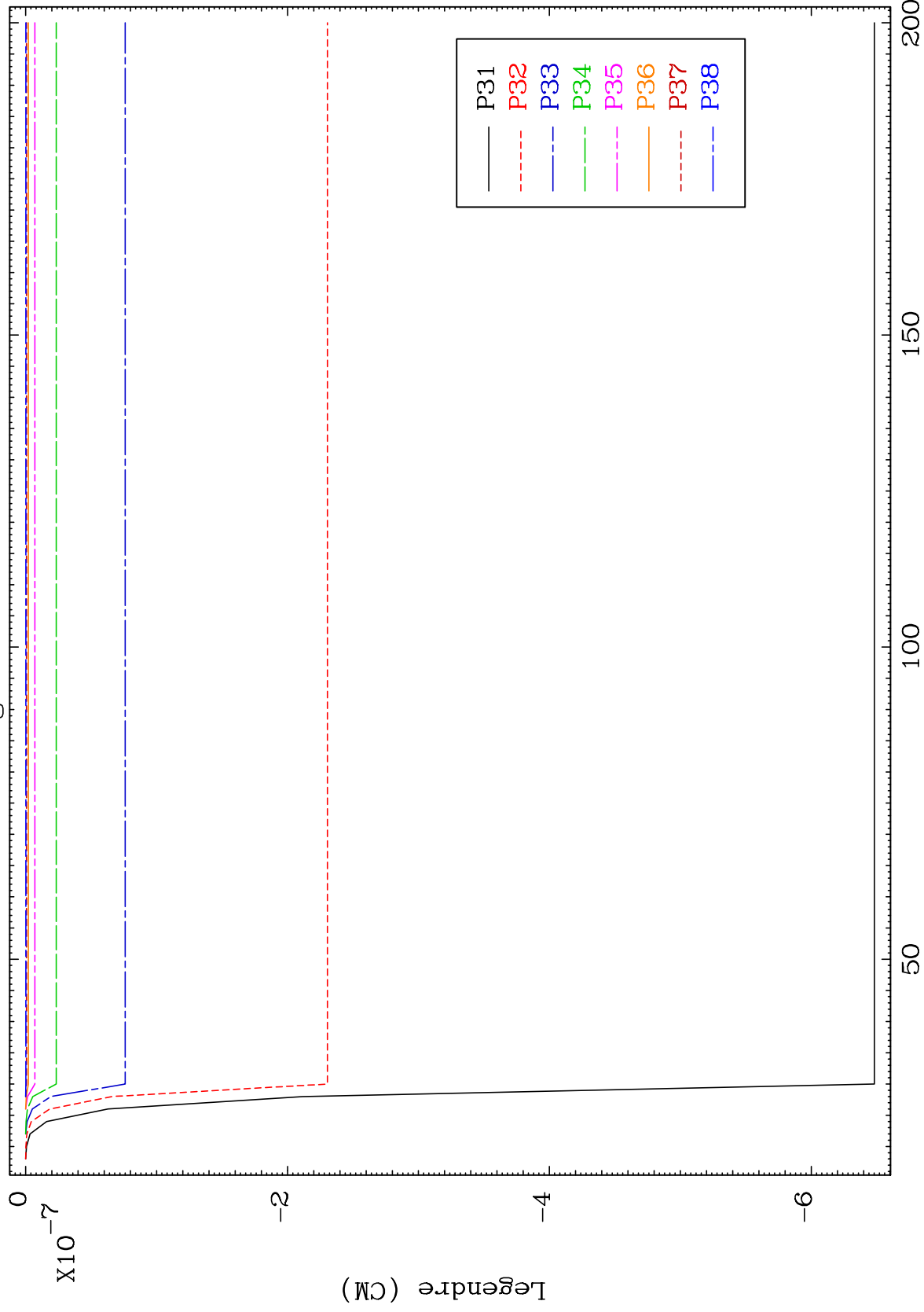
84-Po-202



MAT 8413

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

84-Po-202



59

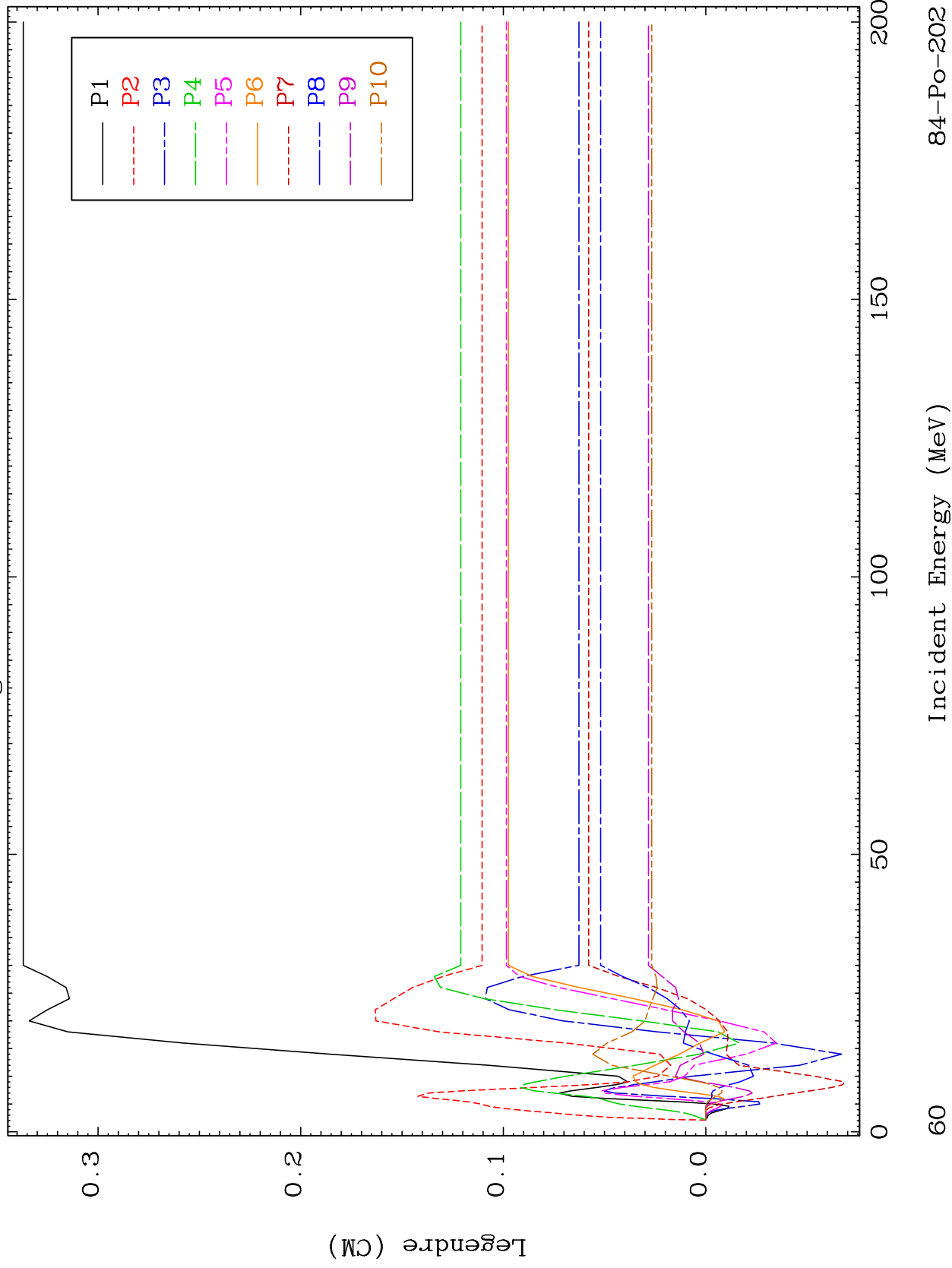
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



84-Po-202

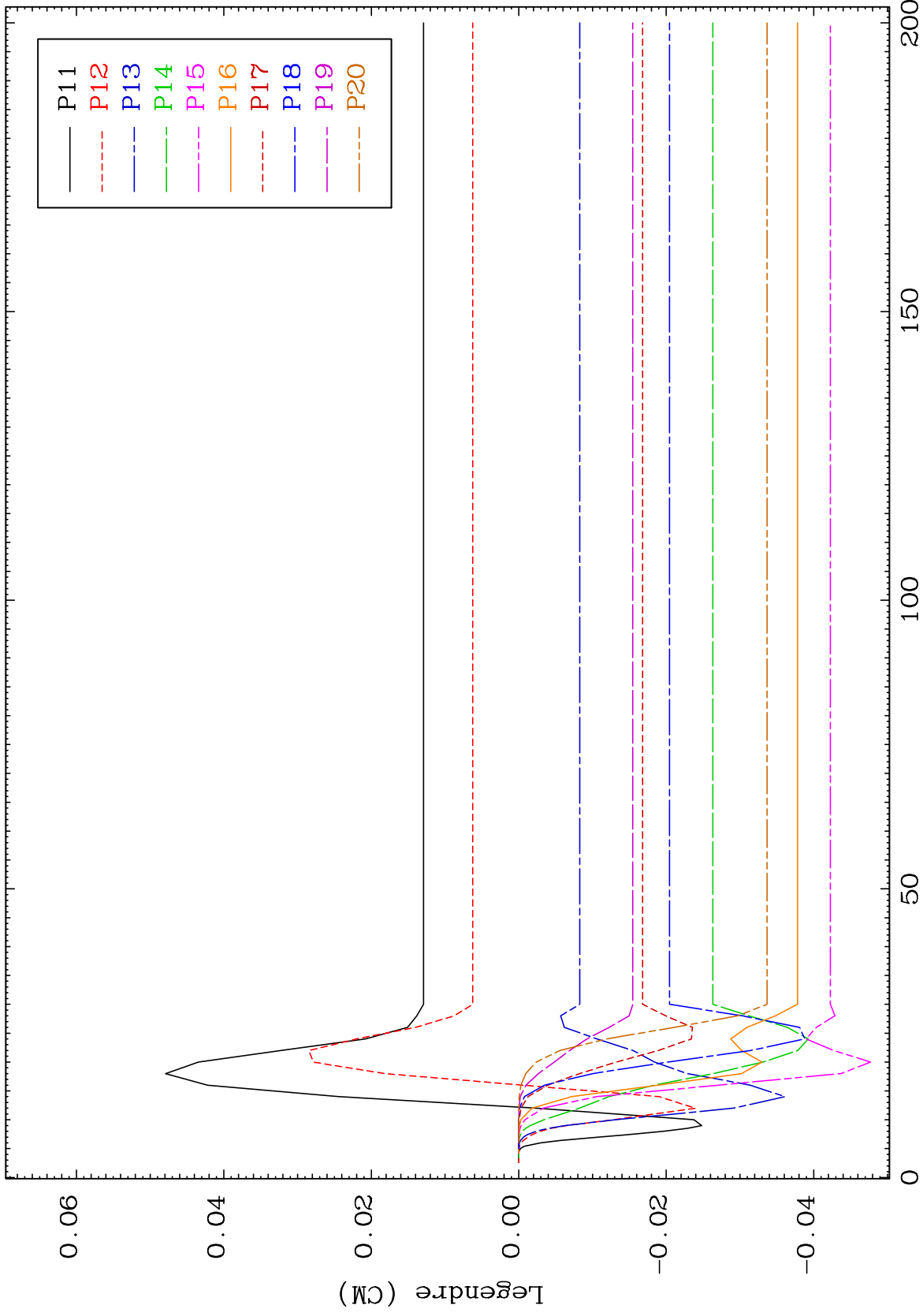
Incident Energy (MeV)

60

MAT 8413

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

84-Po-202



61

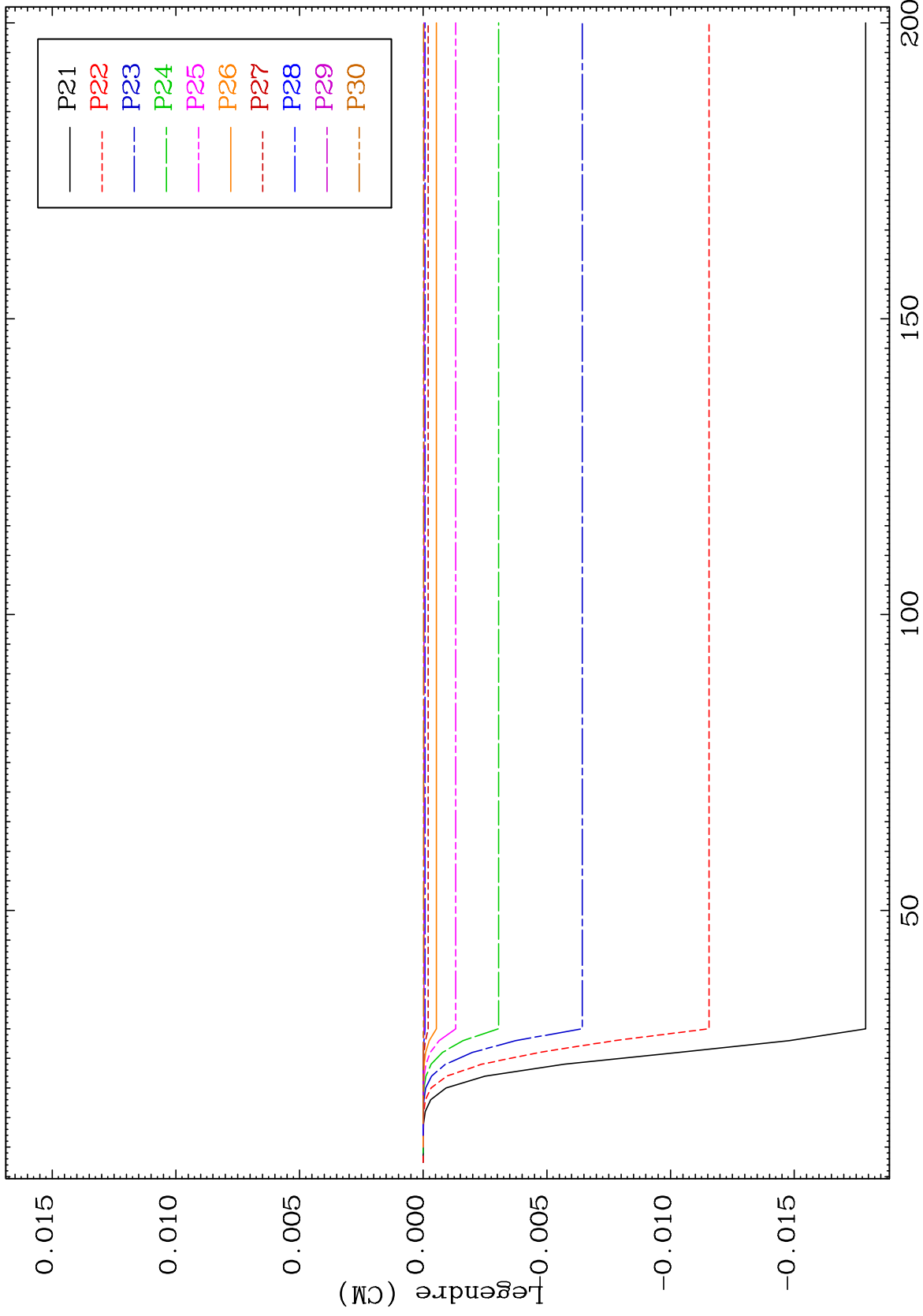
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



62

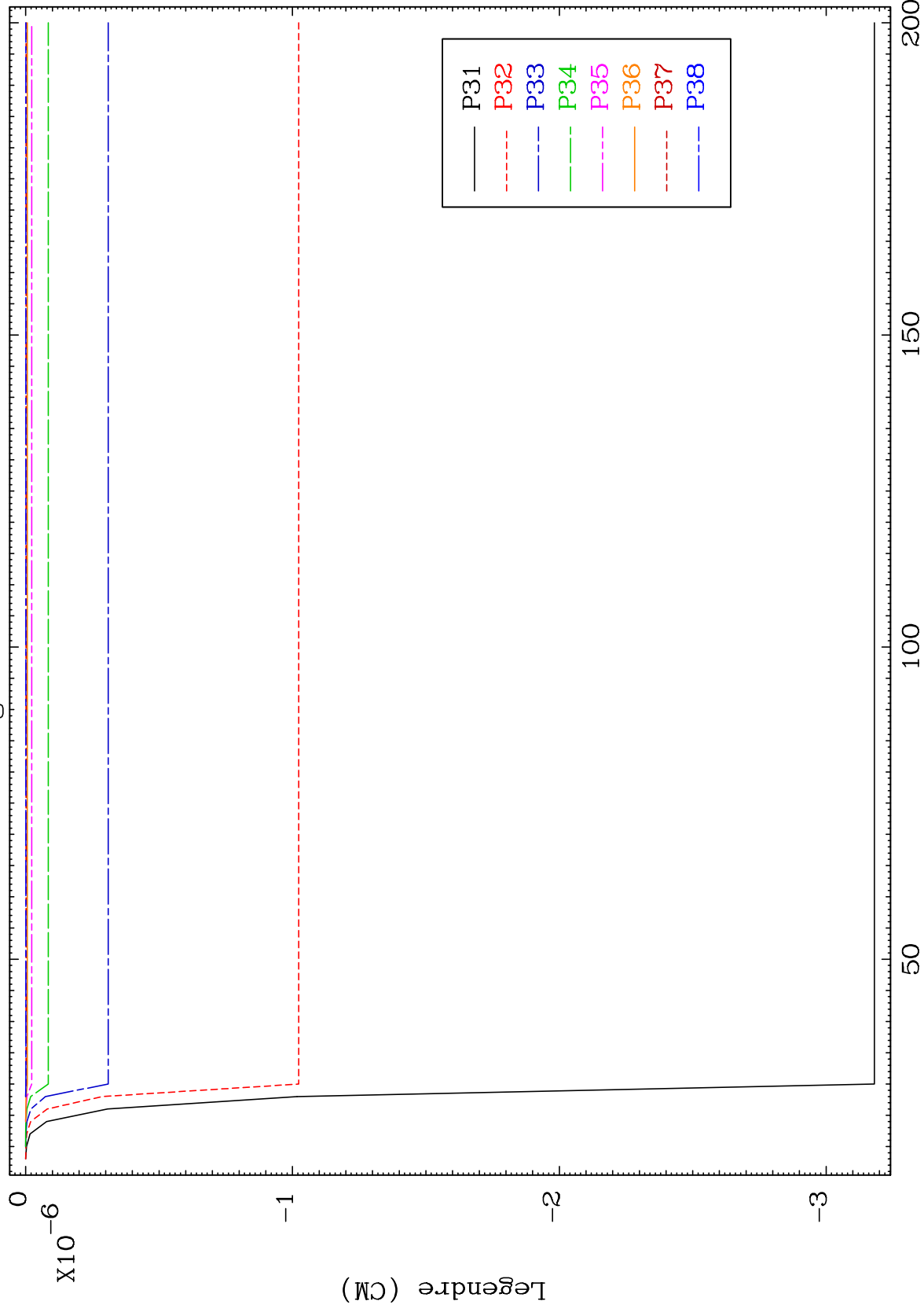
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



63

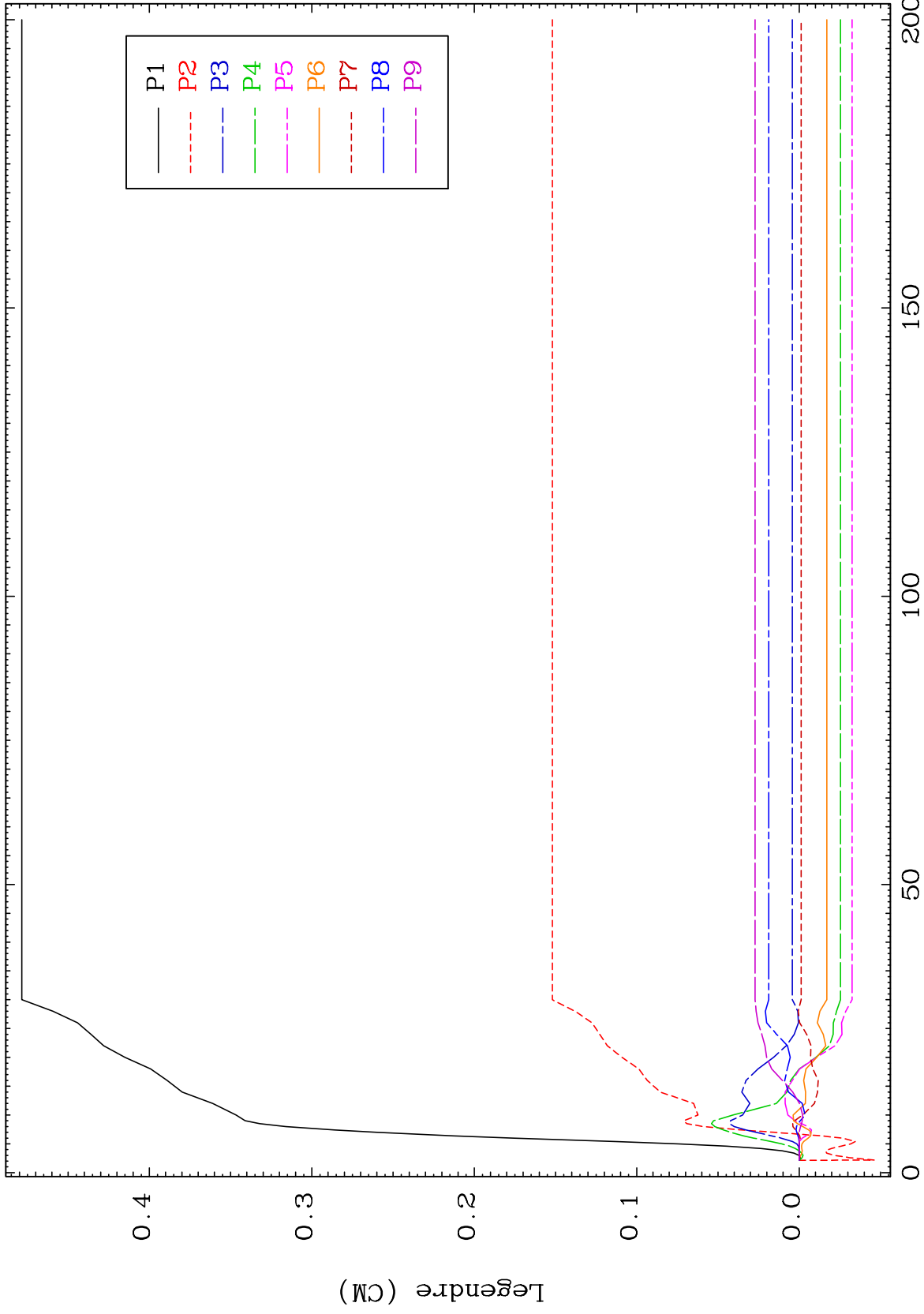
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



84-Po-202

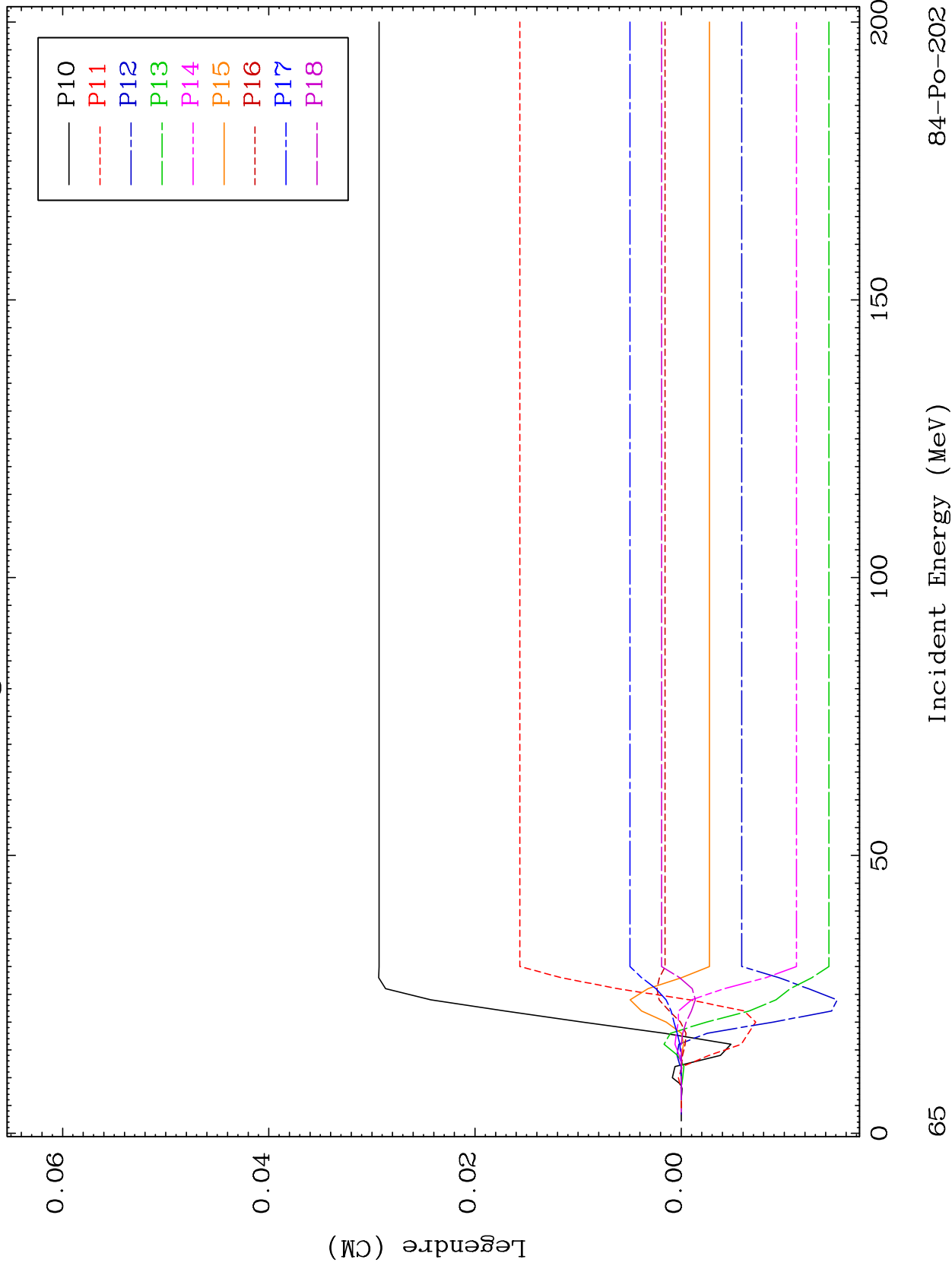
Incident Energy (MeV)

64

MAT 8413

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

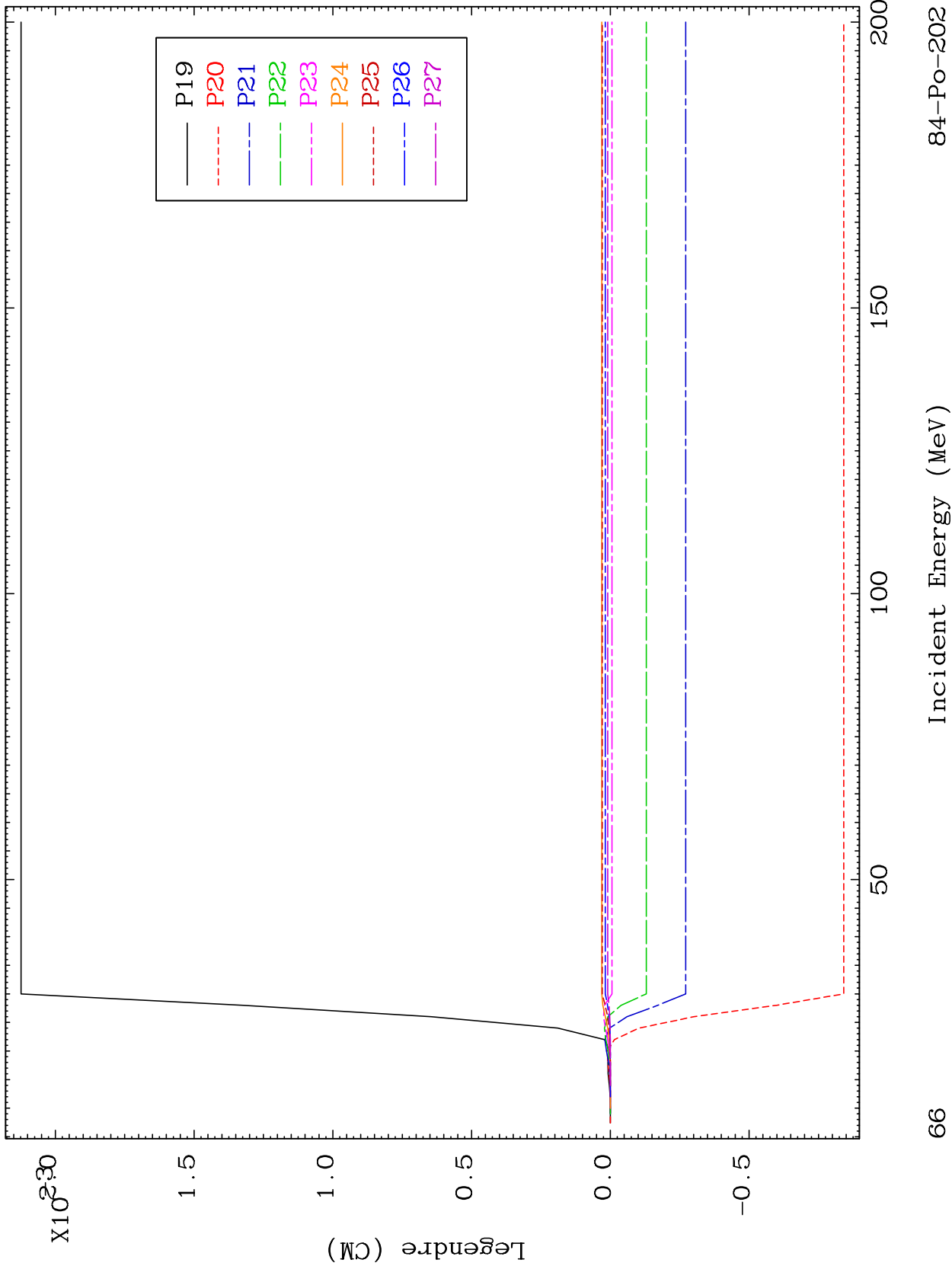
84-Po-202



84-Po-202

Incident Energy (MeV)

65



MAT 8413

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

84-Po-202

$\times 10^{-6}$

4

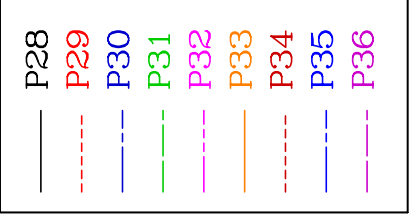
3

2

1

0

Legendre (CM)



200

150

100

50

Incident Energy (MeV)

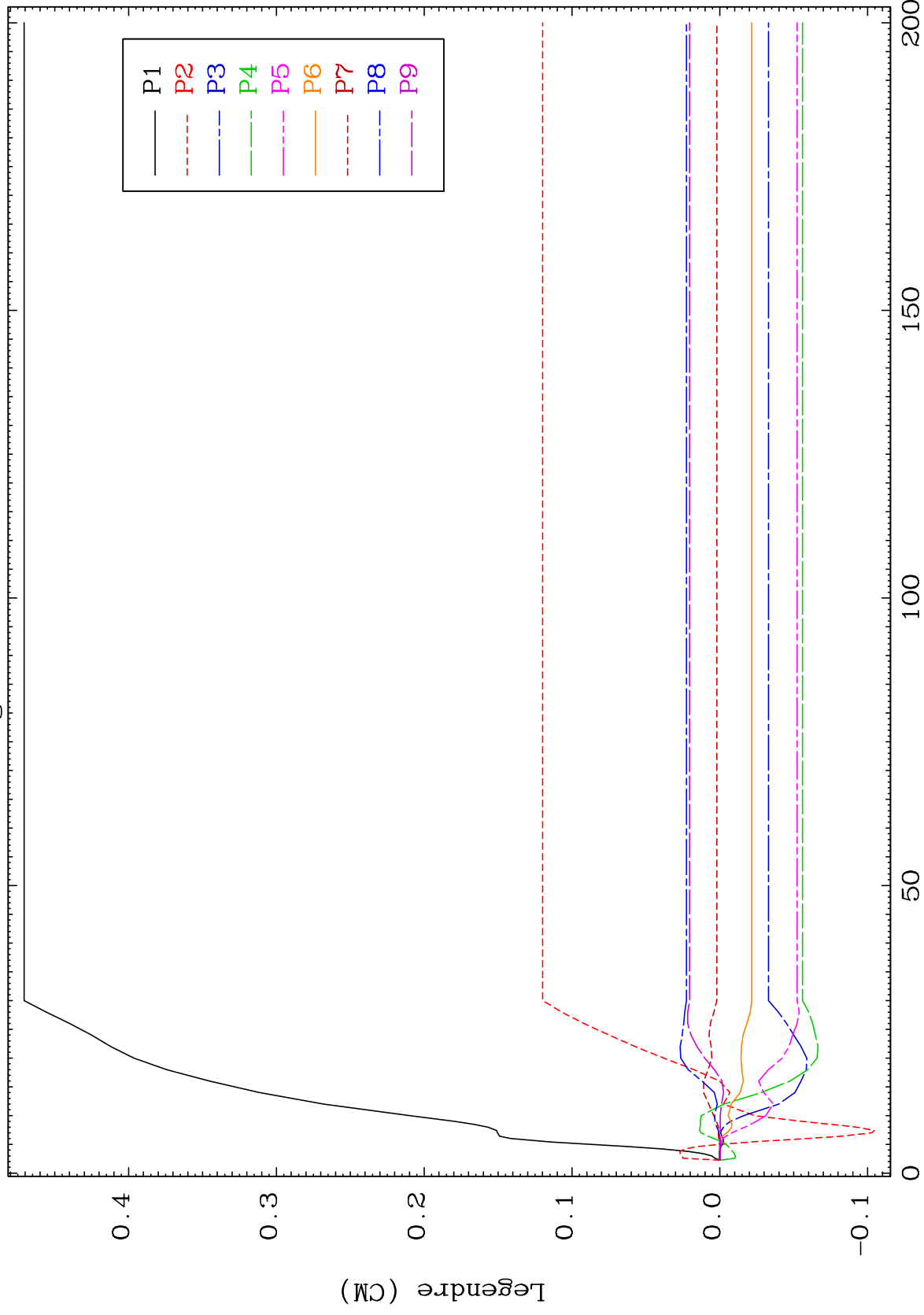
84-Po-202

67

MAT 8413

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

84-Po-202



68

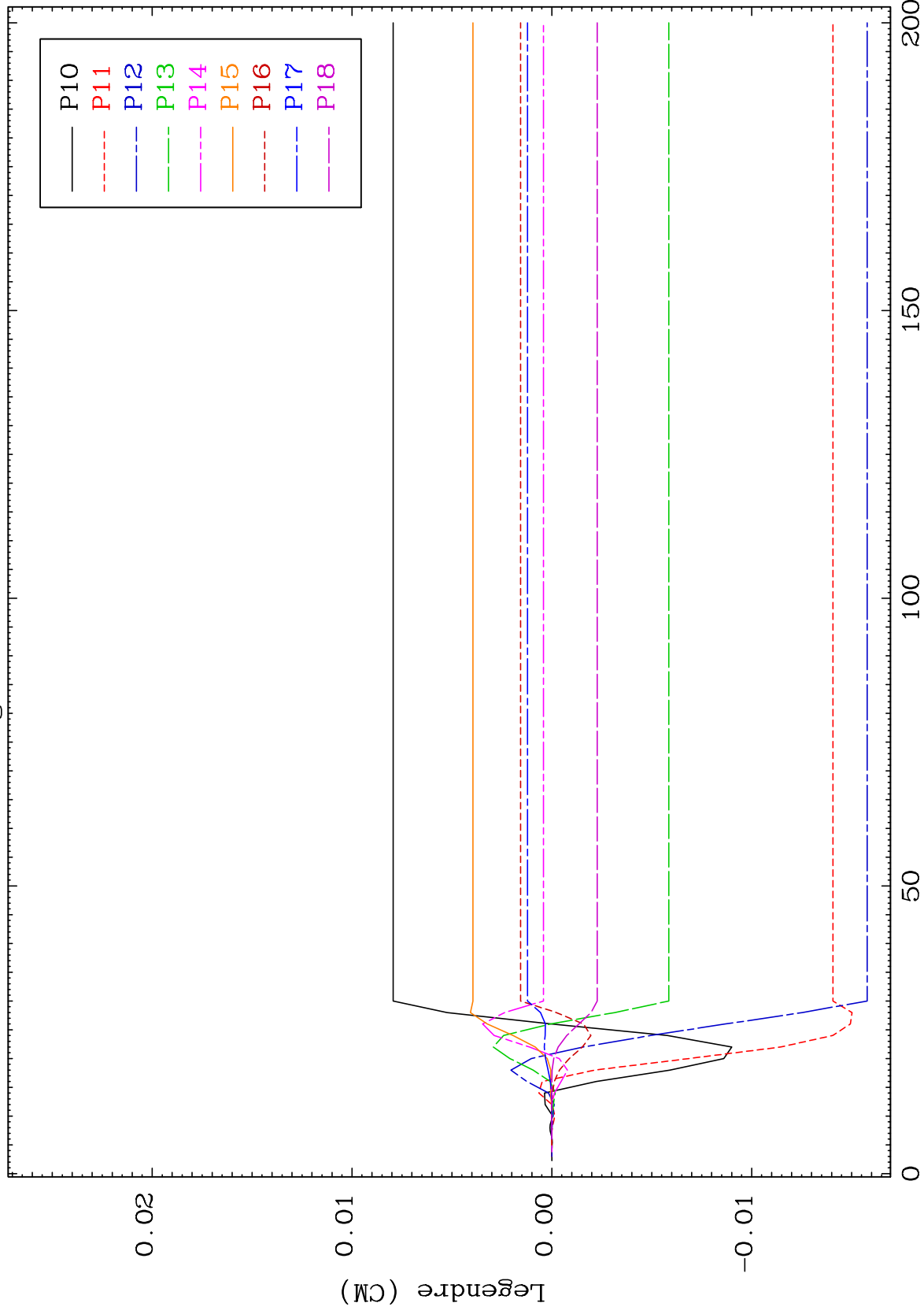
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



69

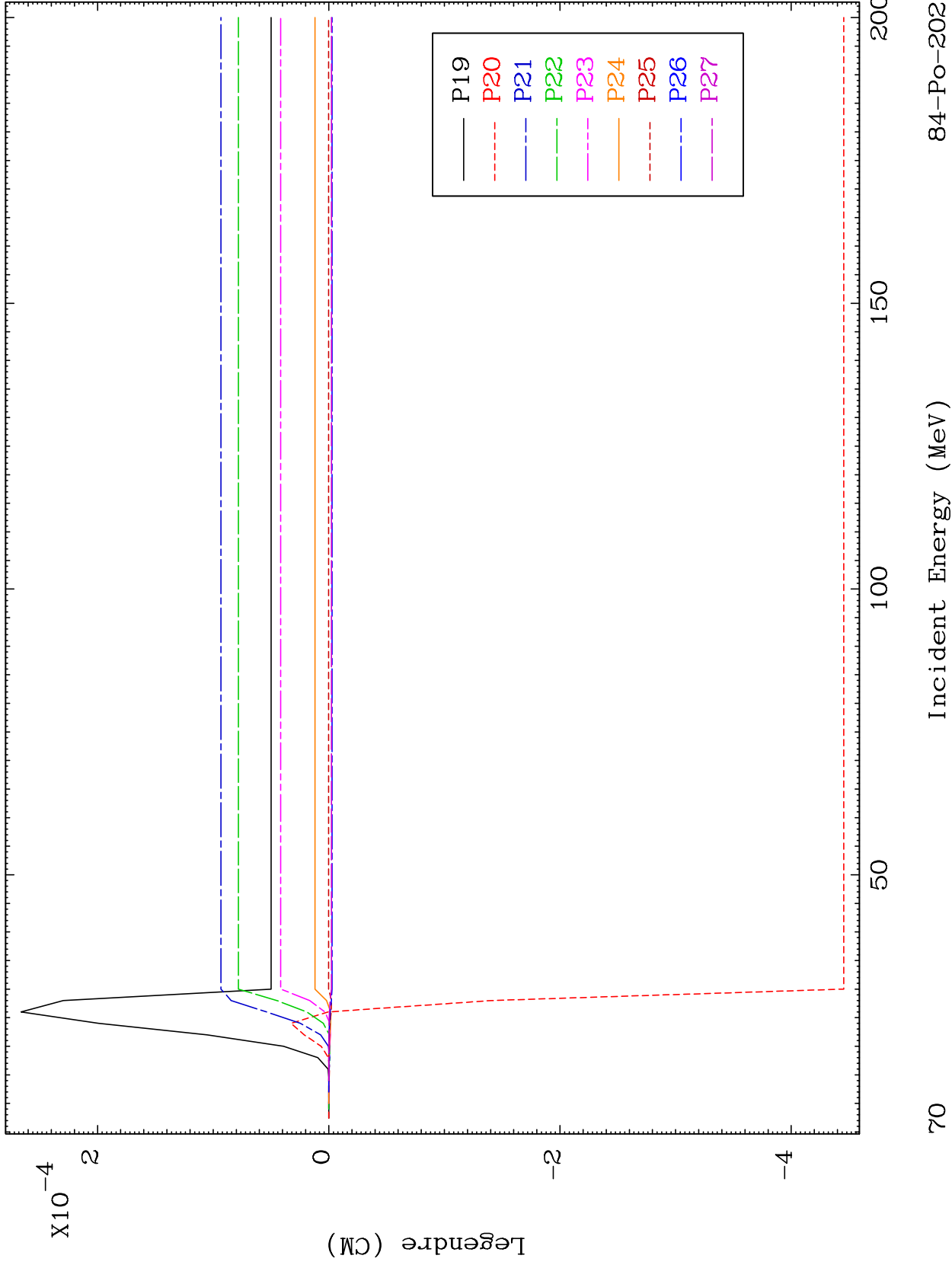
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



84-Po-202

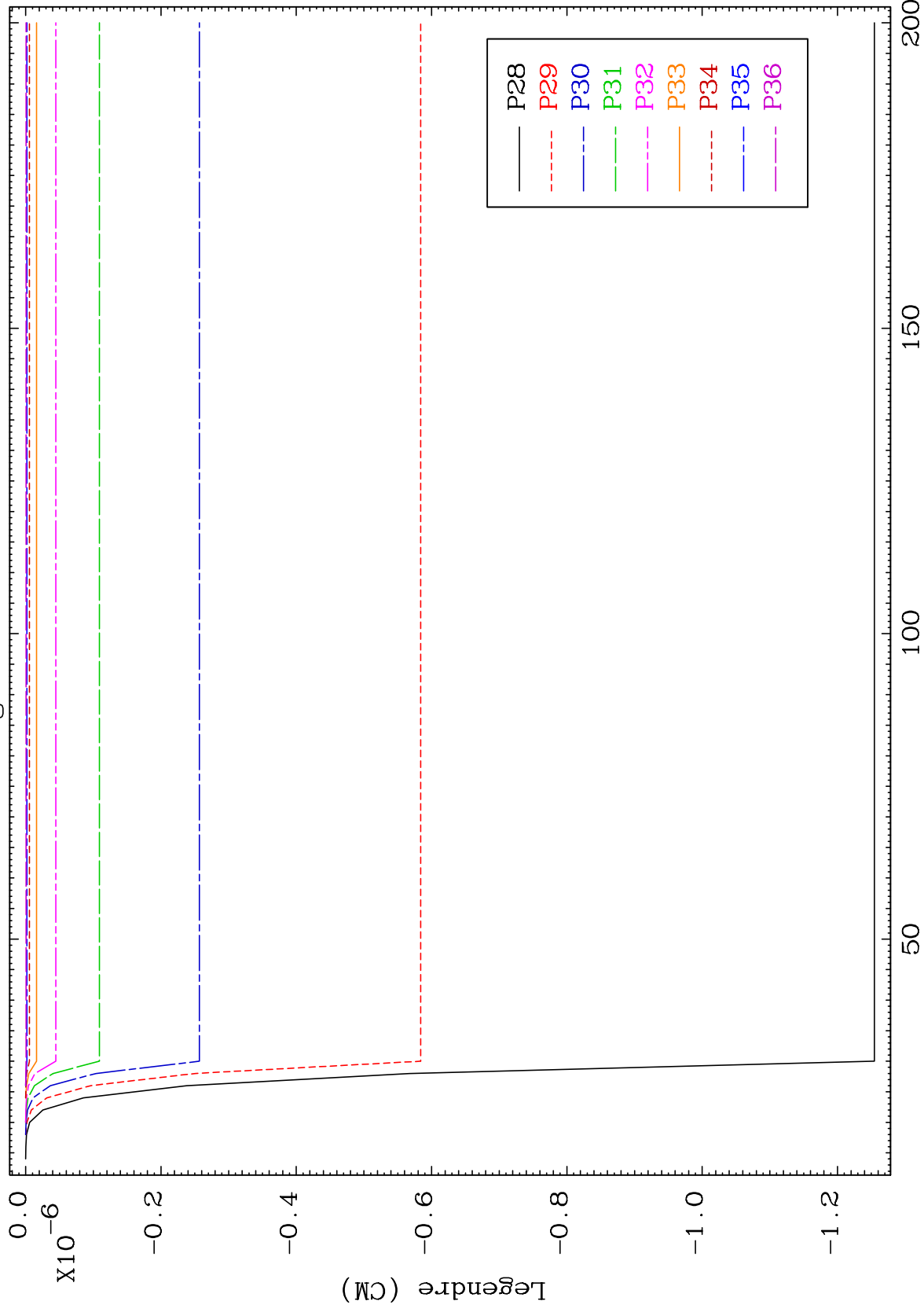
Incident Energy (MeV)

70

MAT 8413

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

84-Po-202



71

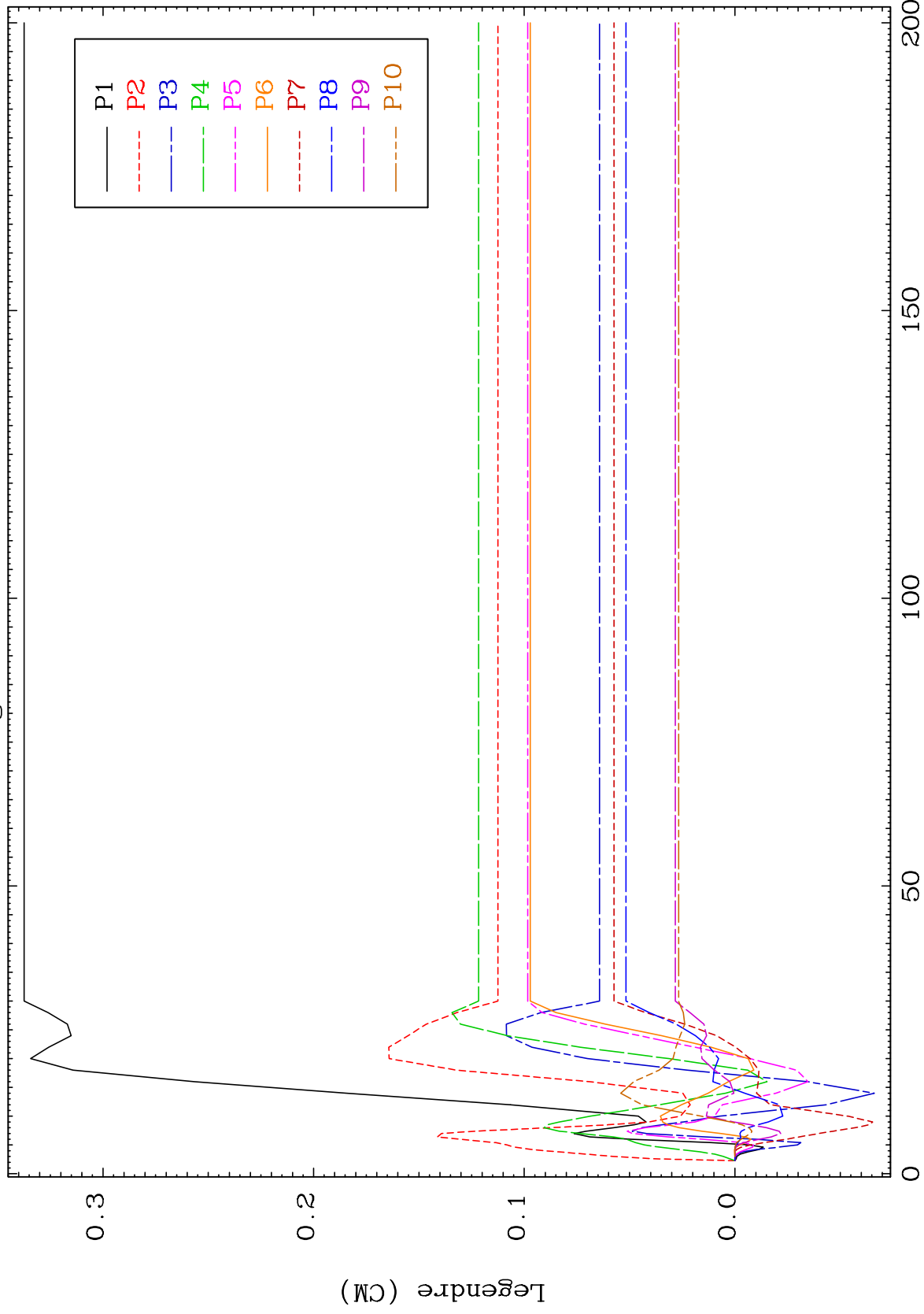
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



72

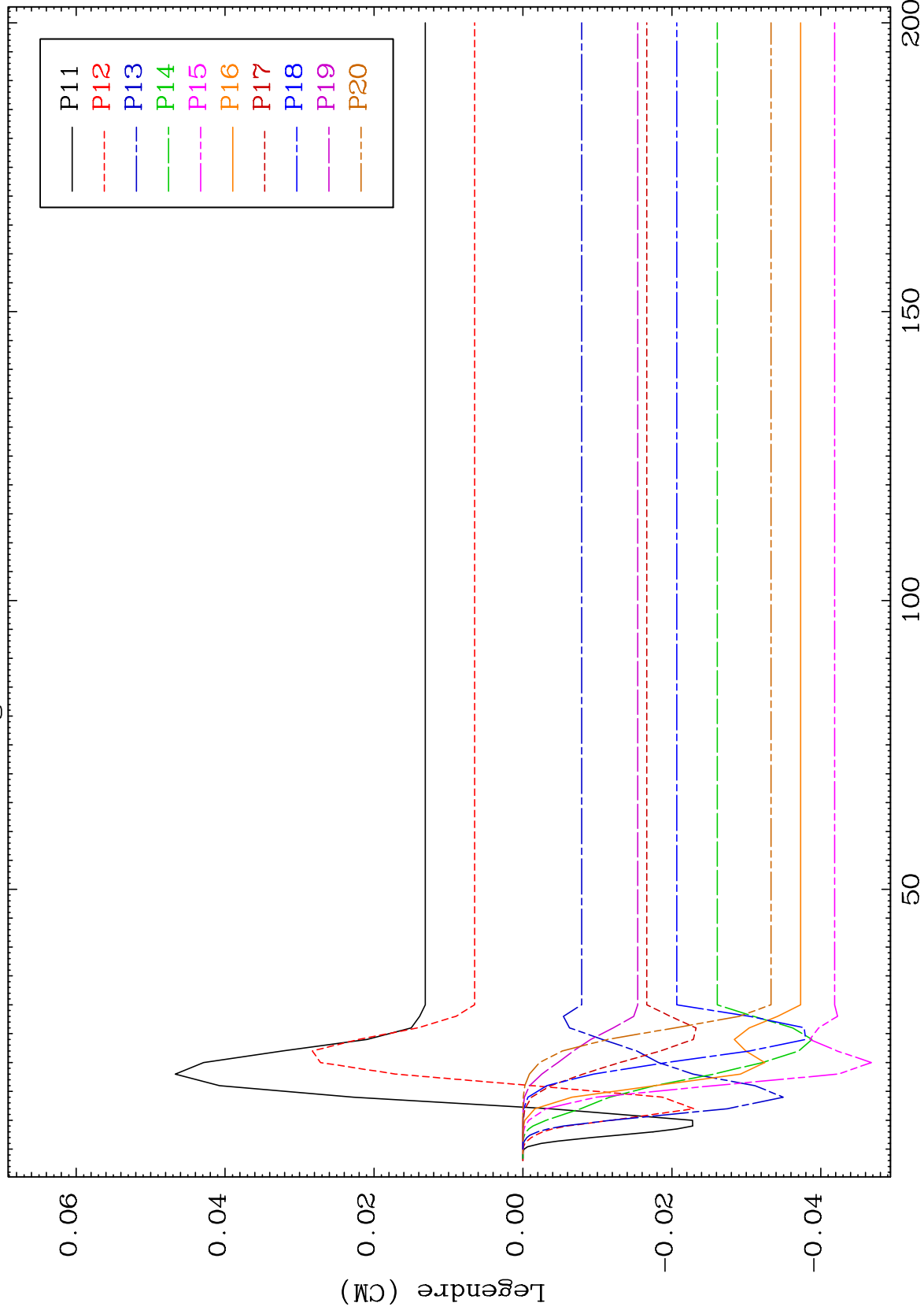
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



73

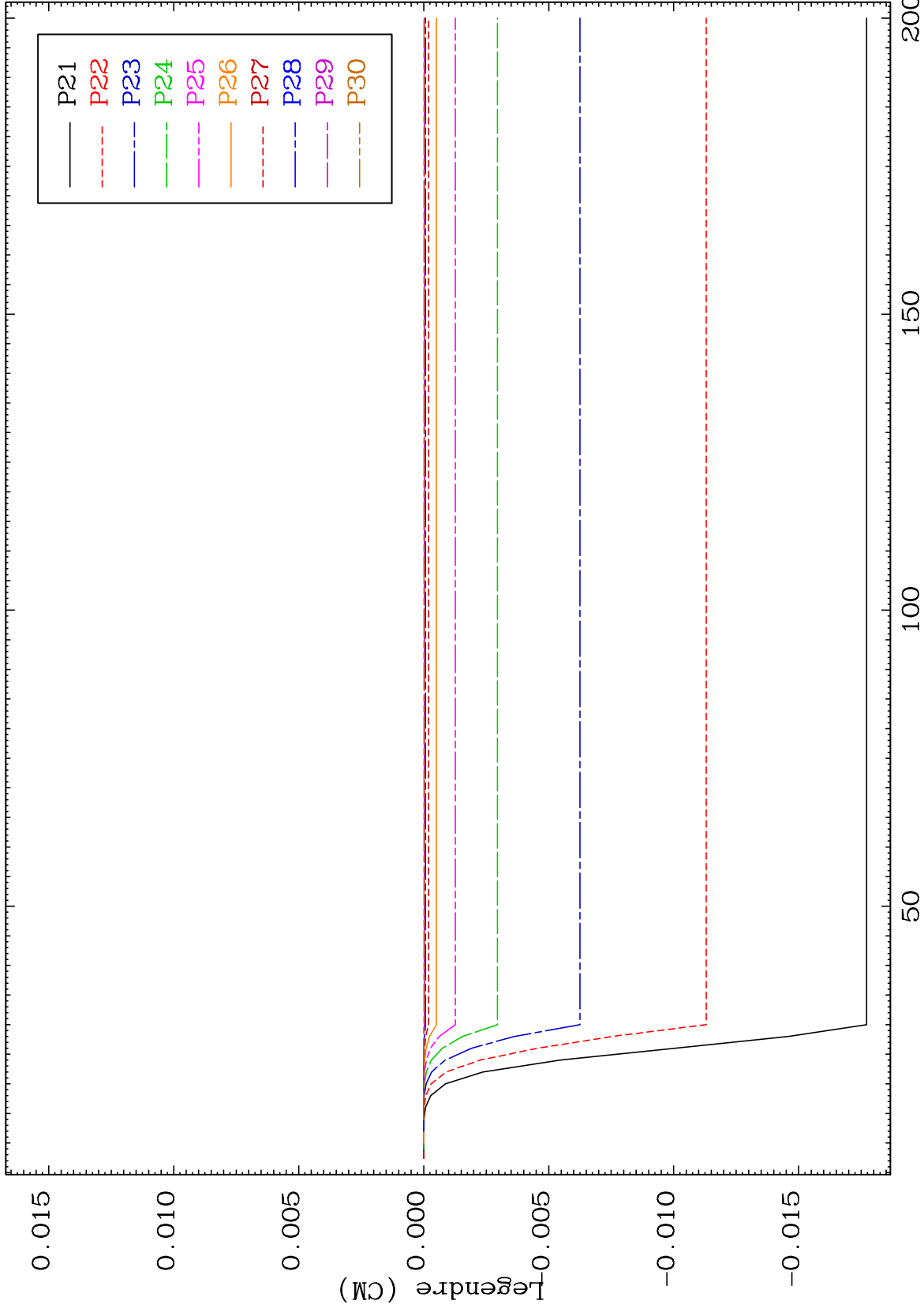
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



74

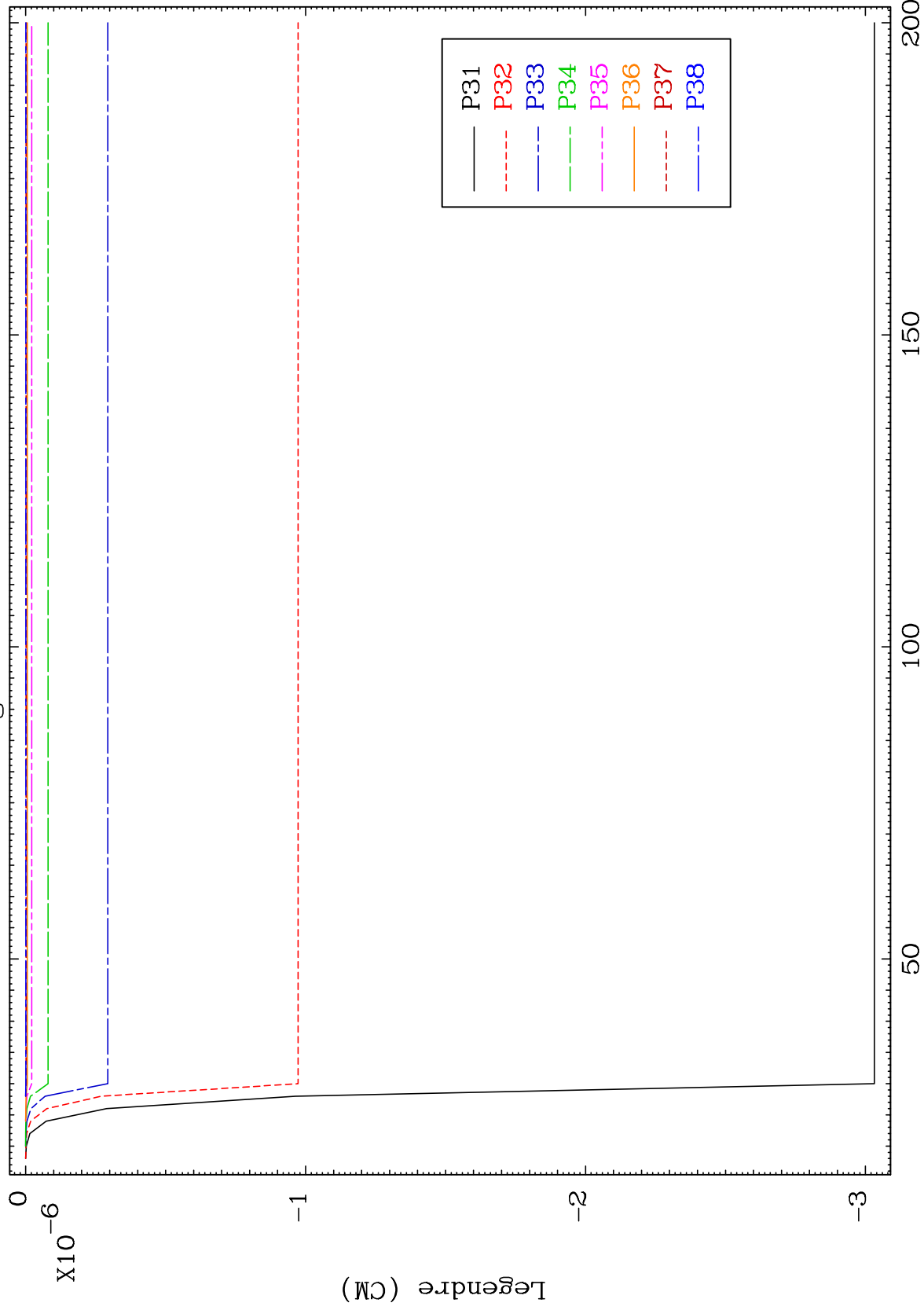
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



75

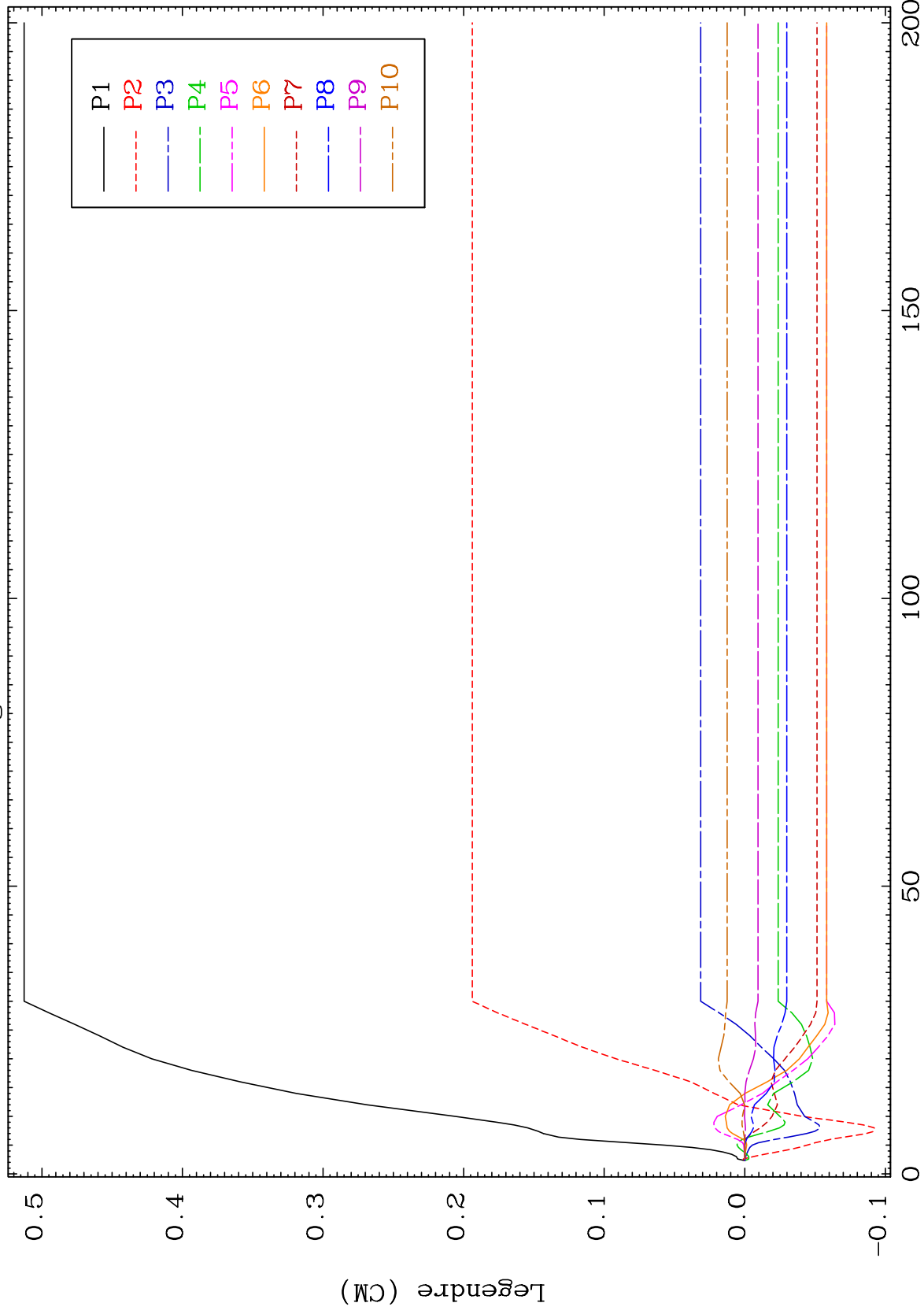
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



76

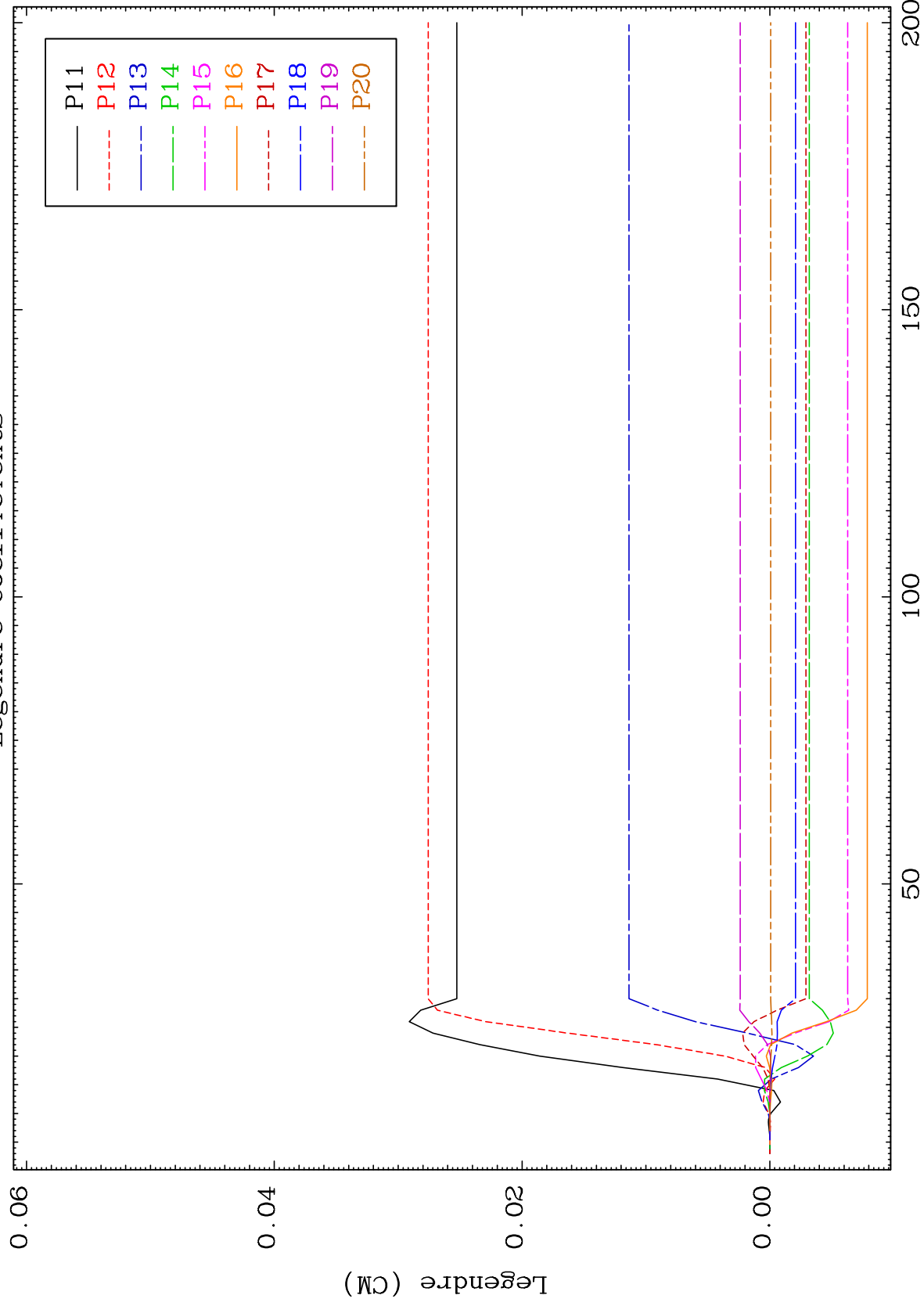
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



77

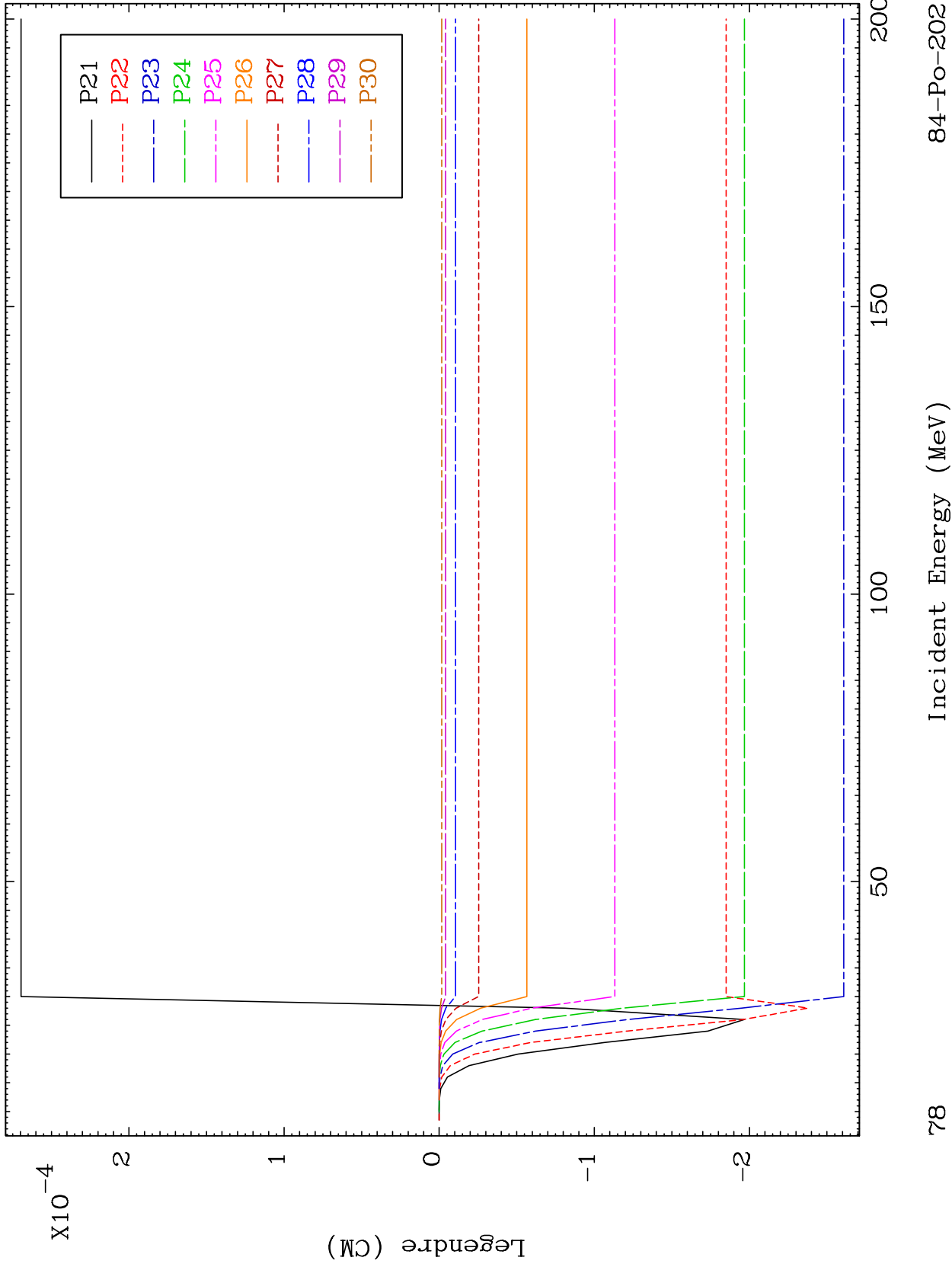
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



78

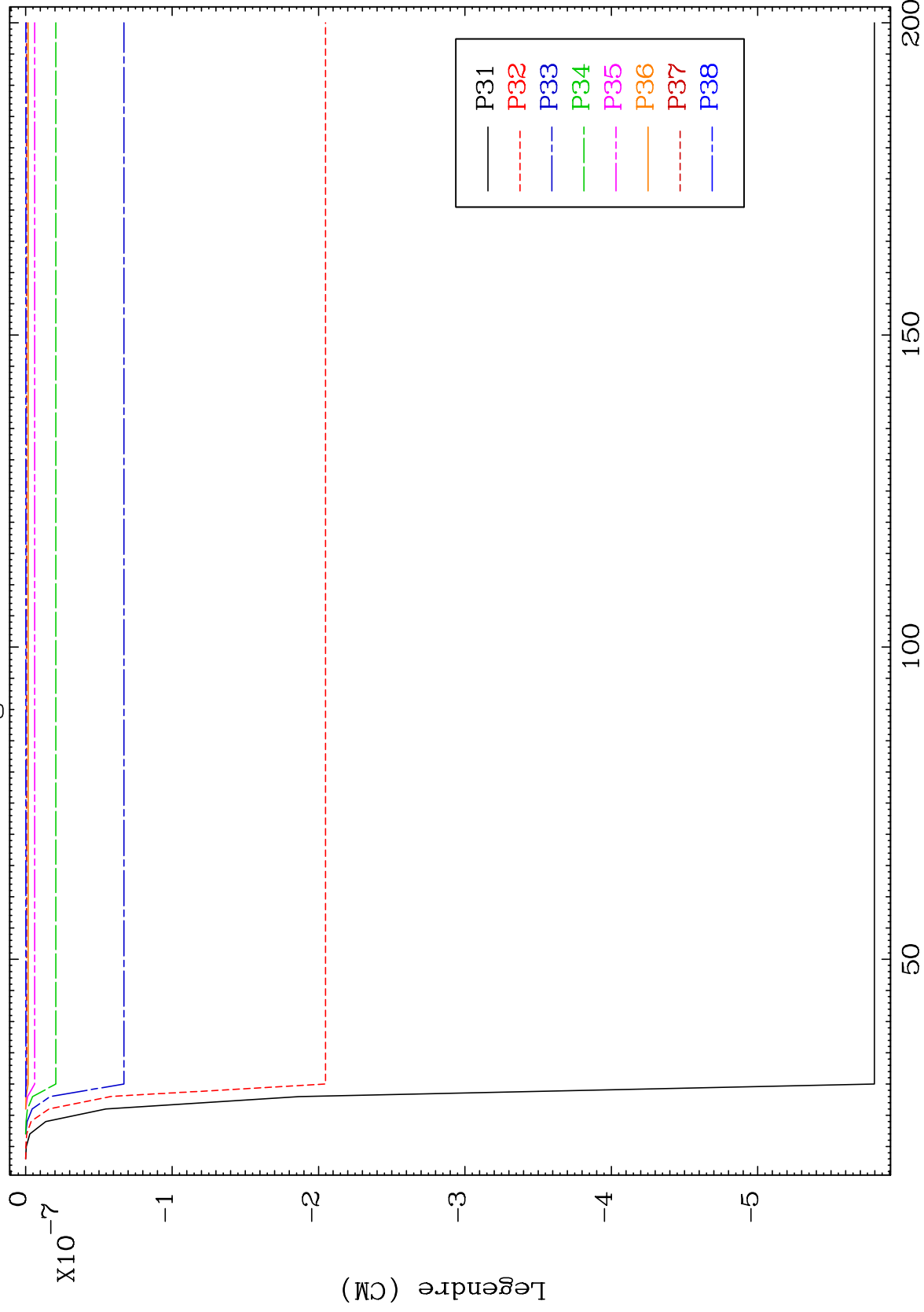
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



79

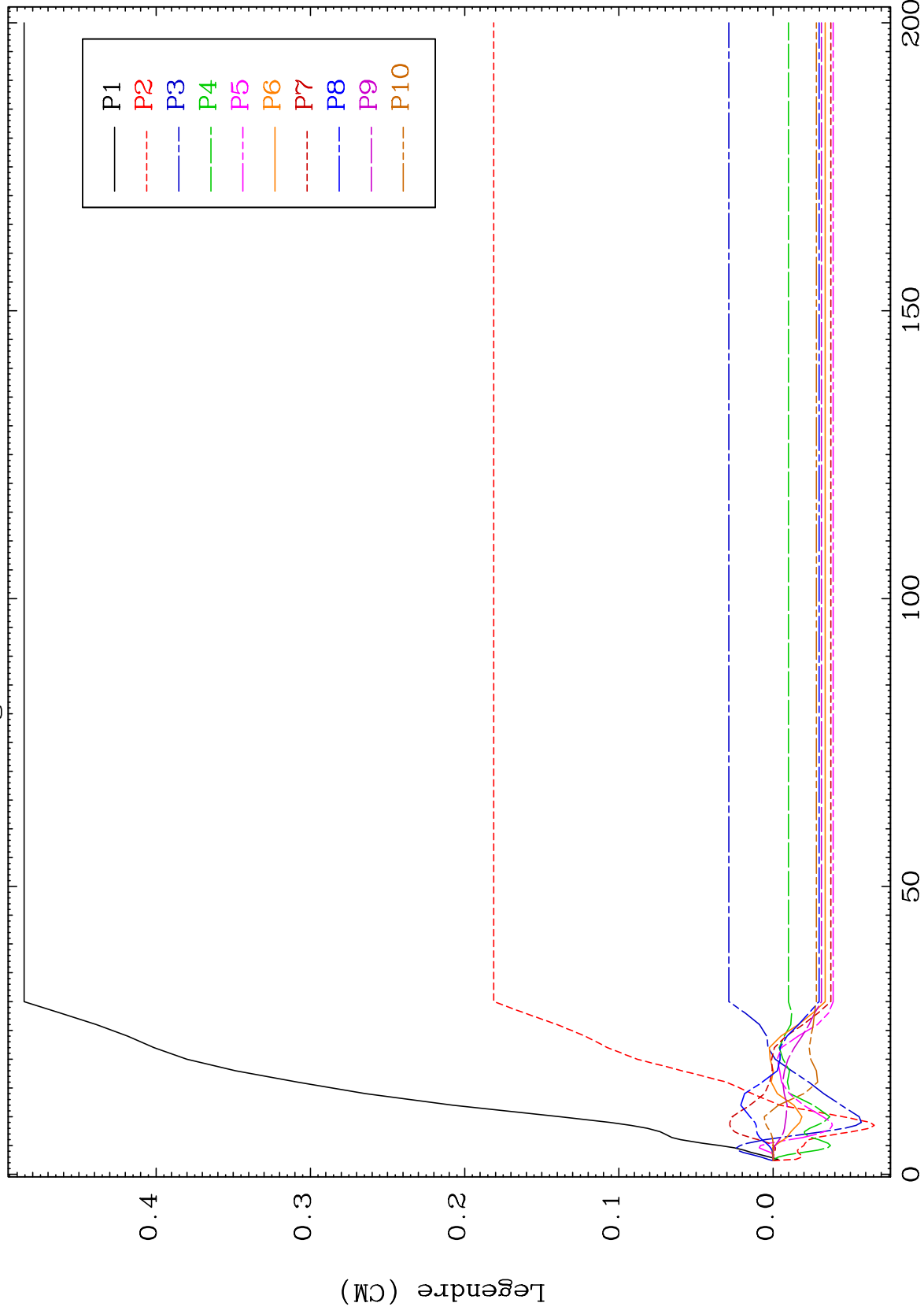
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



84-Po-202

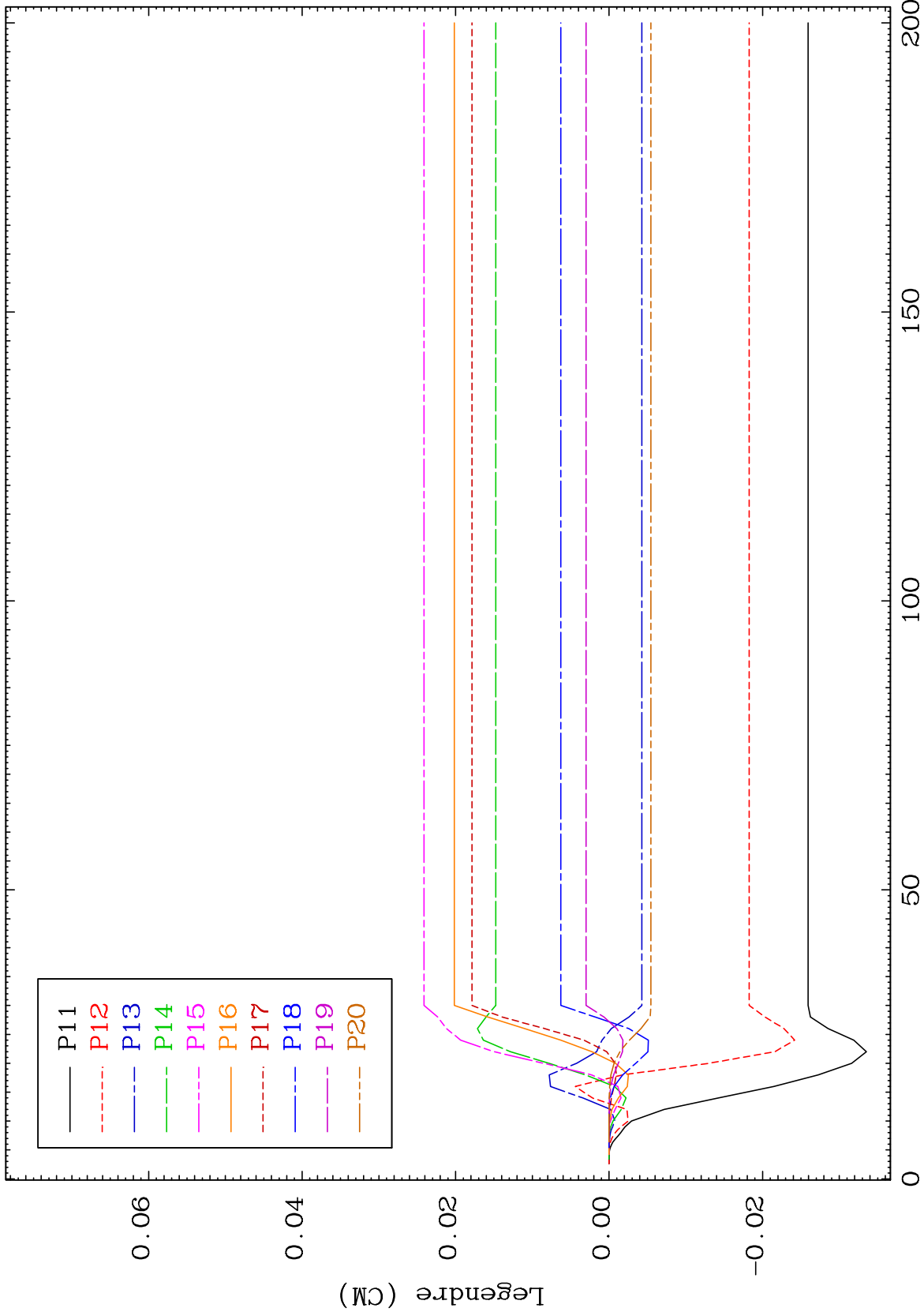
Incident Energy (MeV)

80

MAT 8413

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

84-Po-202



81

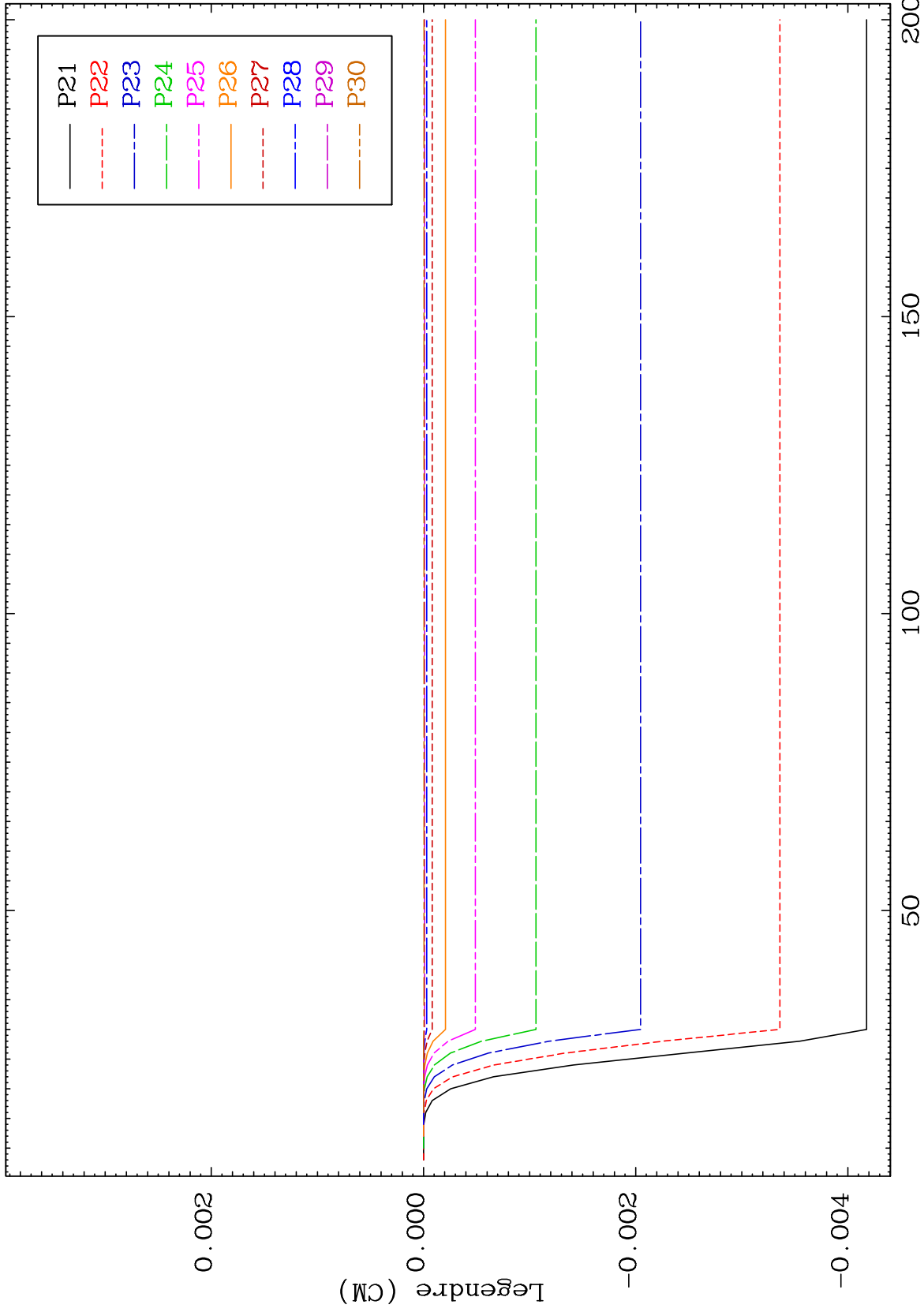
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



82

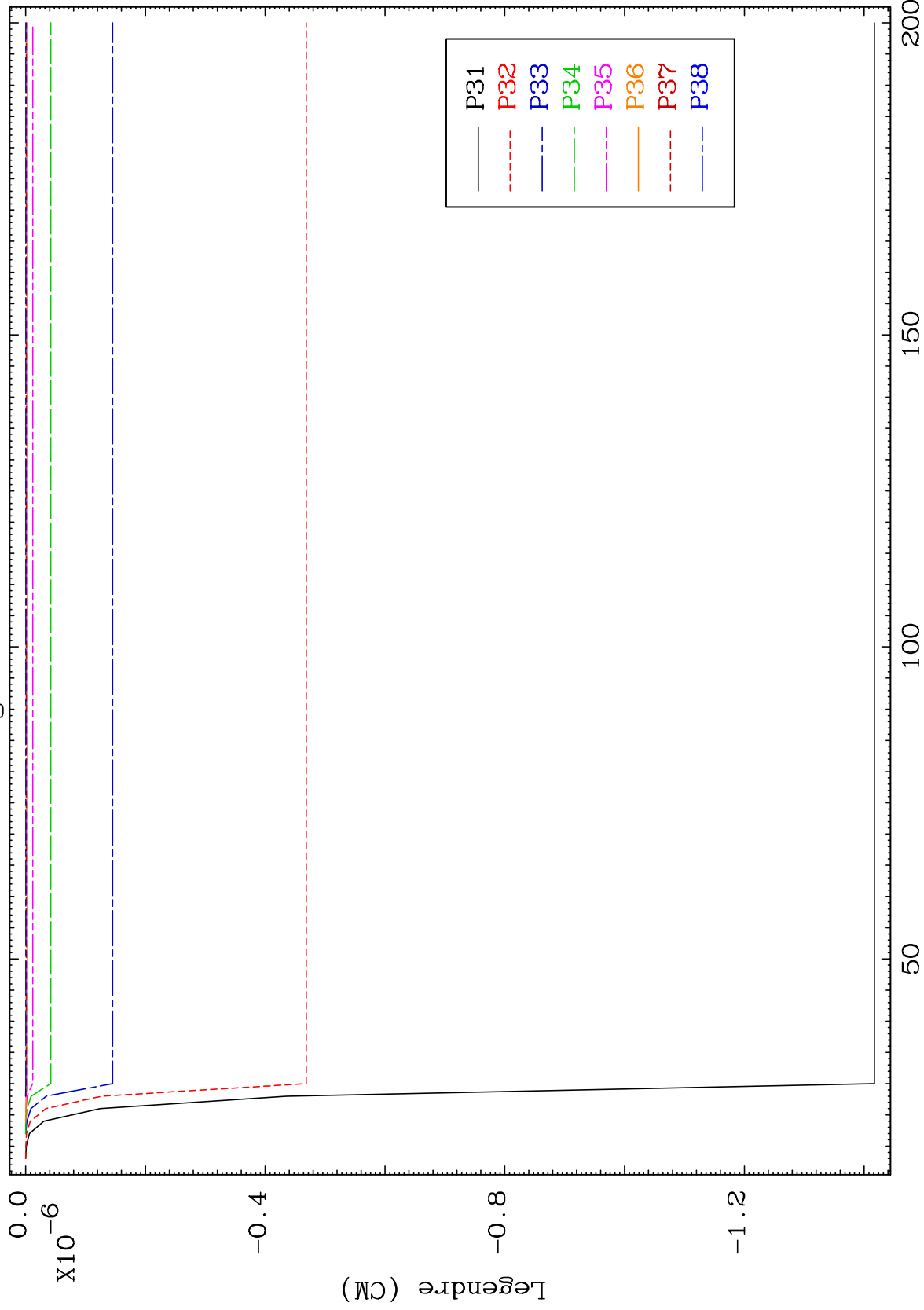
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



83

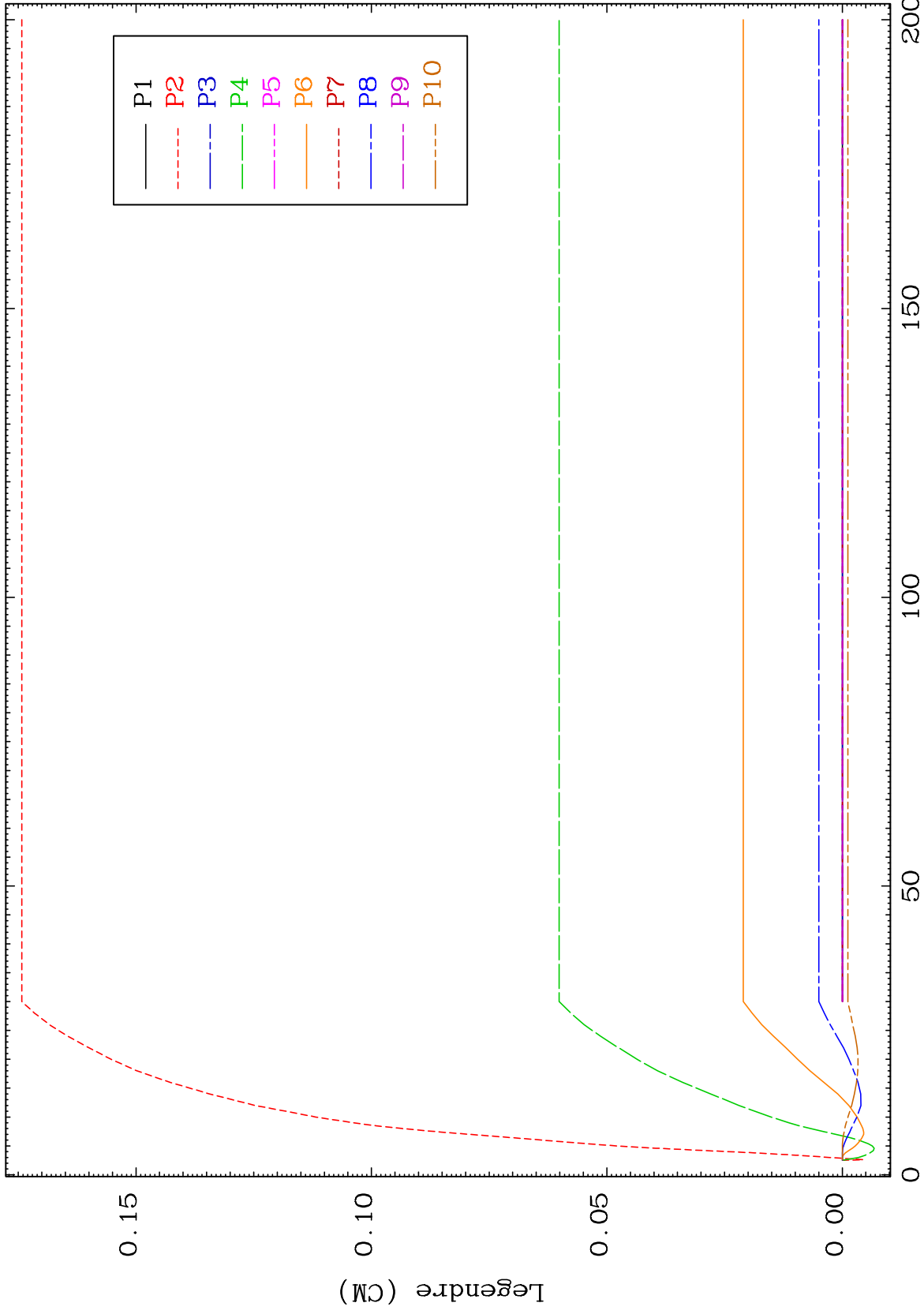
Incident Energy (MeV)

84-Po-202

MAT 8413

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

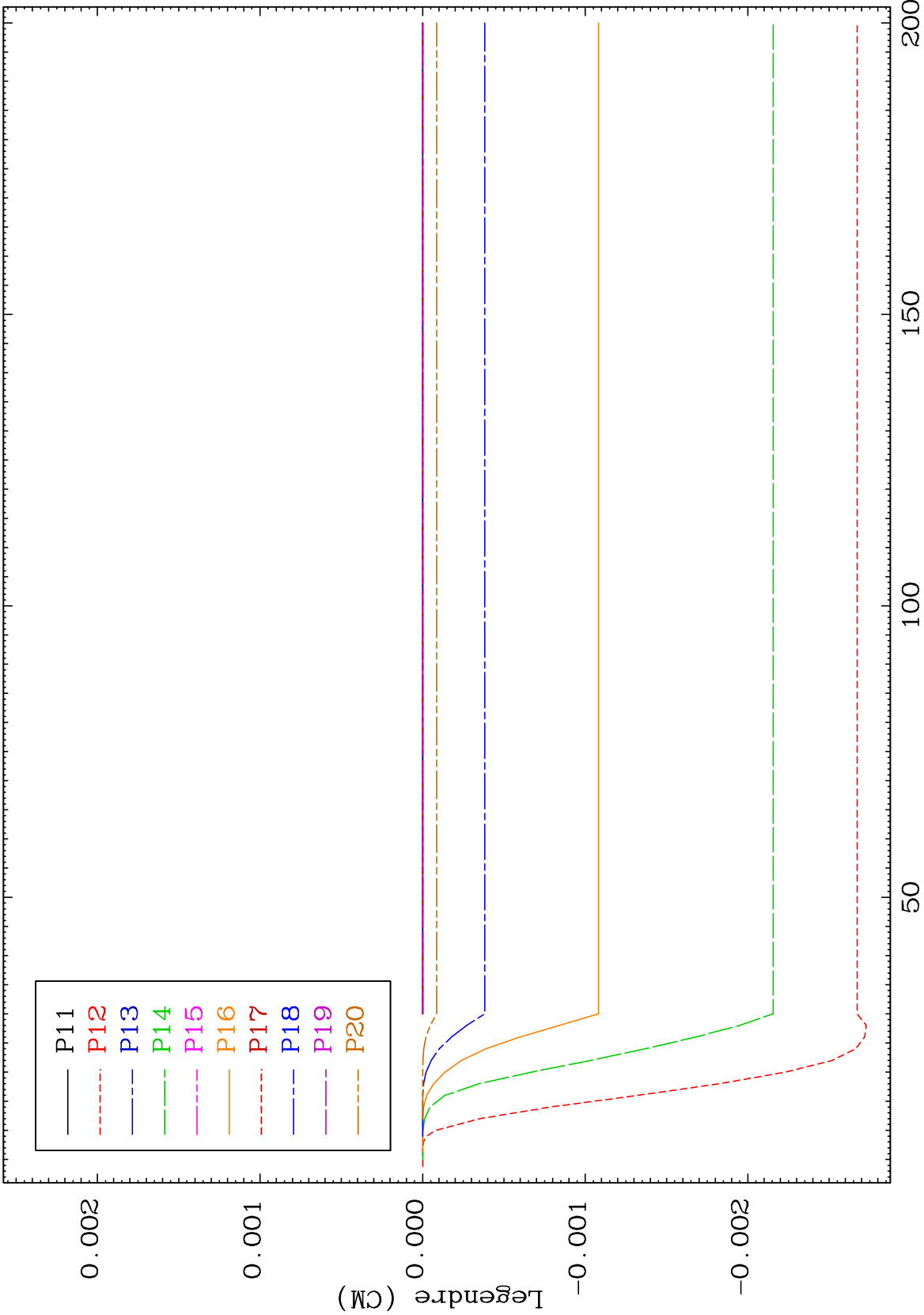
84-Po-202



84

Incident Energy (MeV)

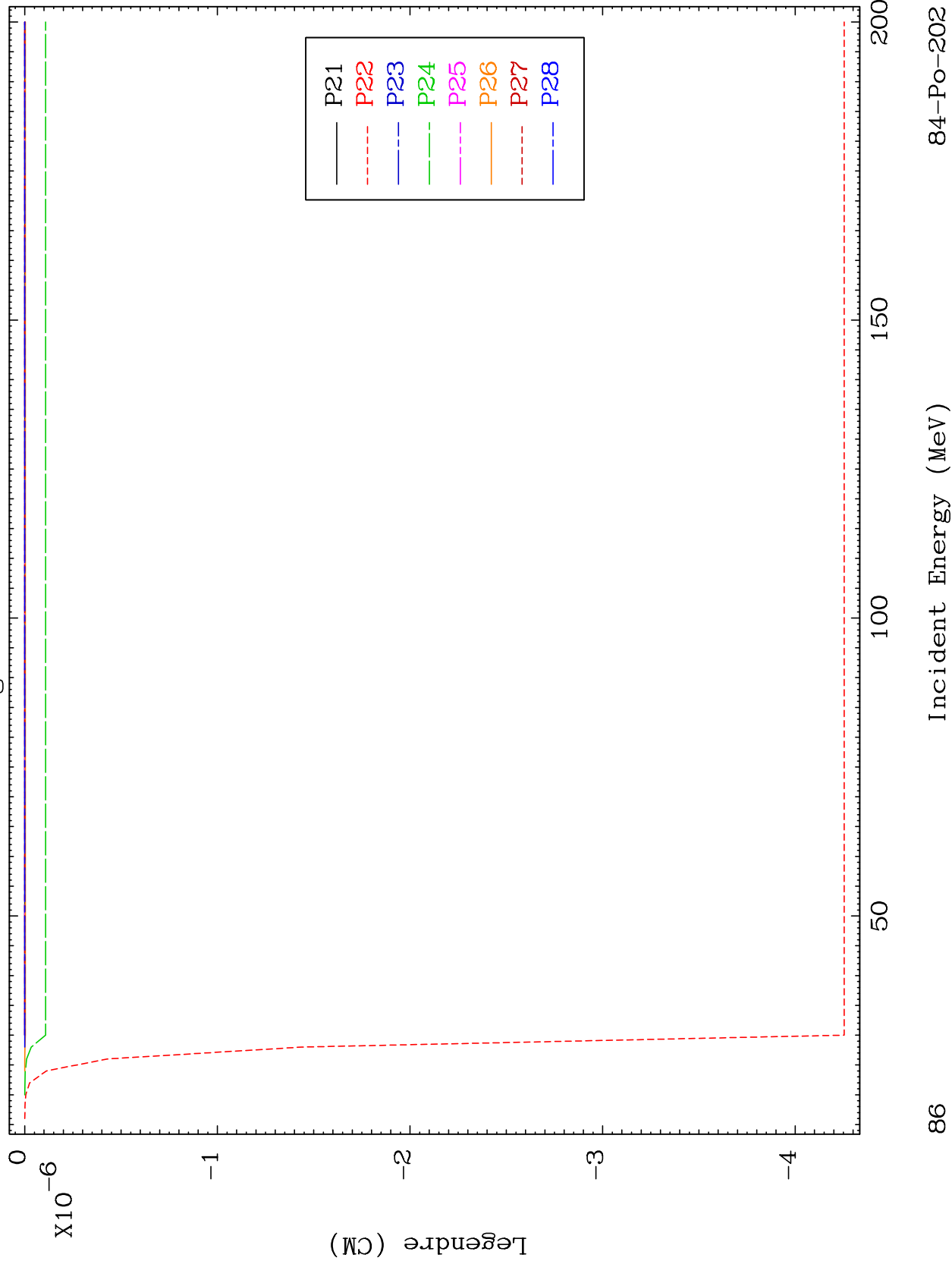
84-Po-202



MAT 8413

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

84-Po-202



86

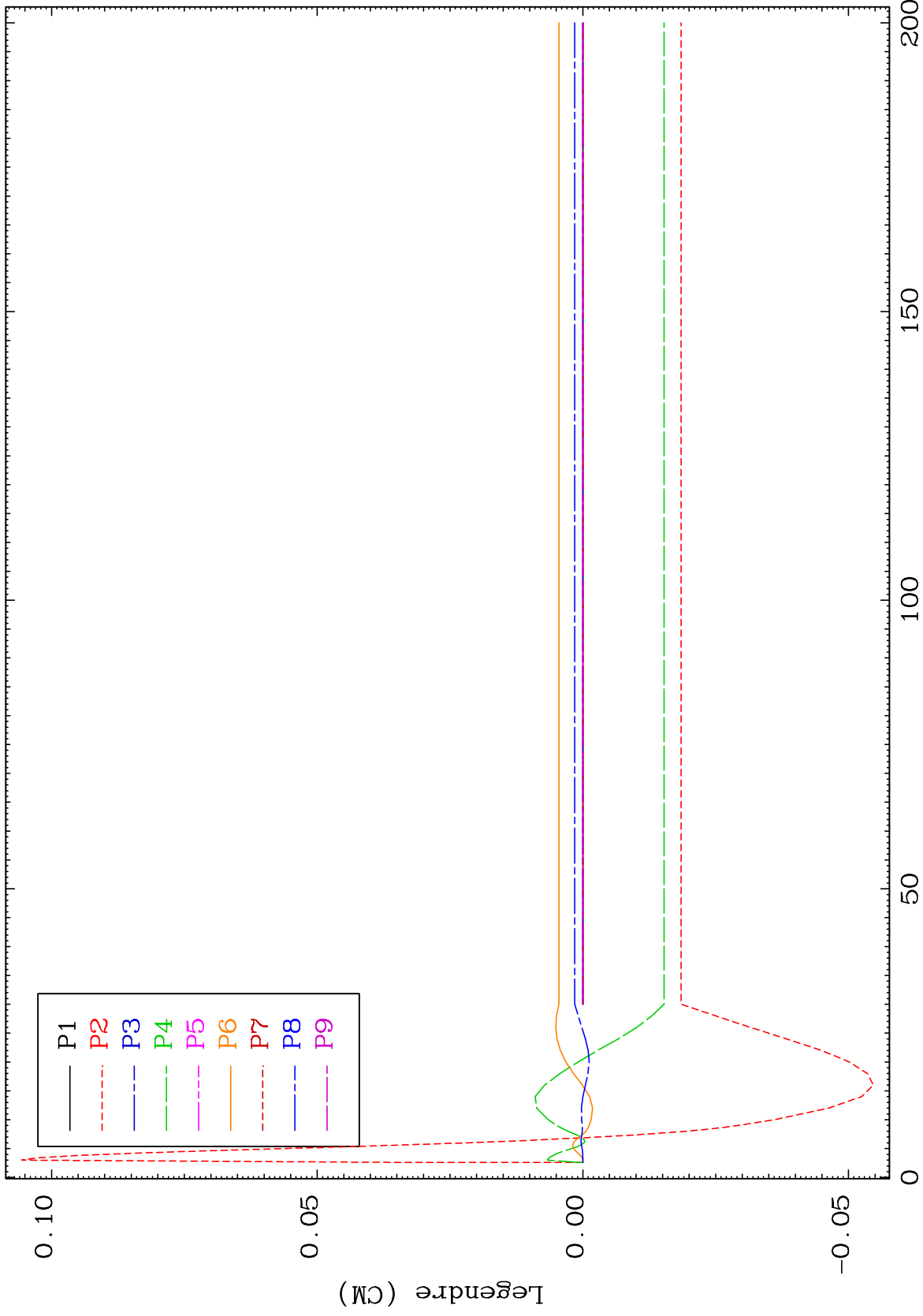
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



87

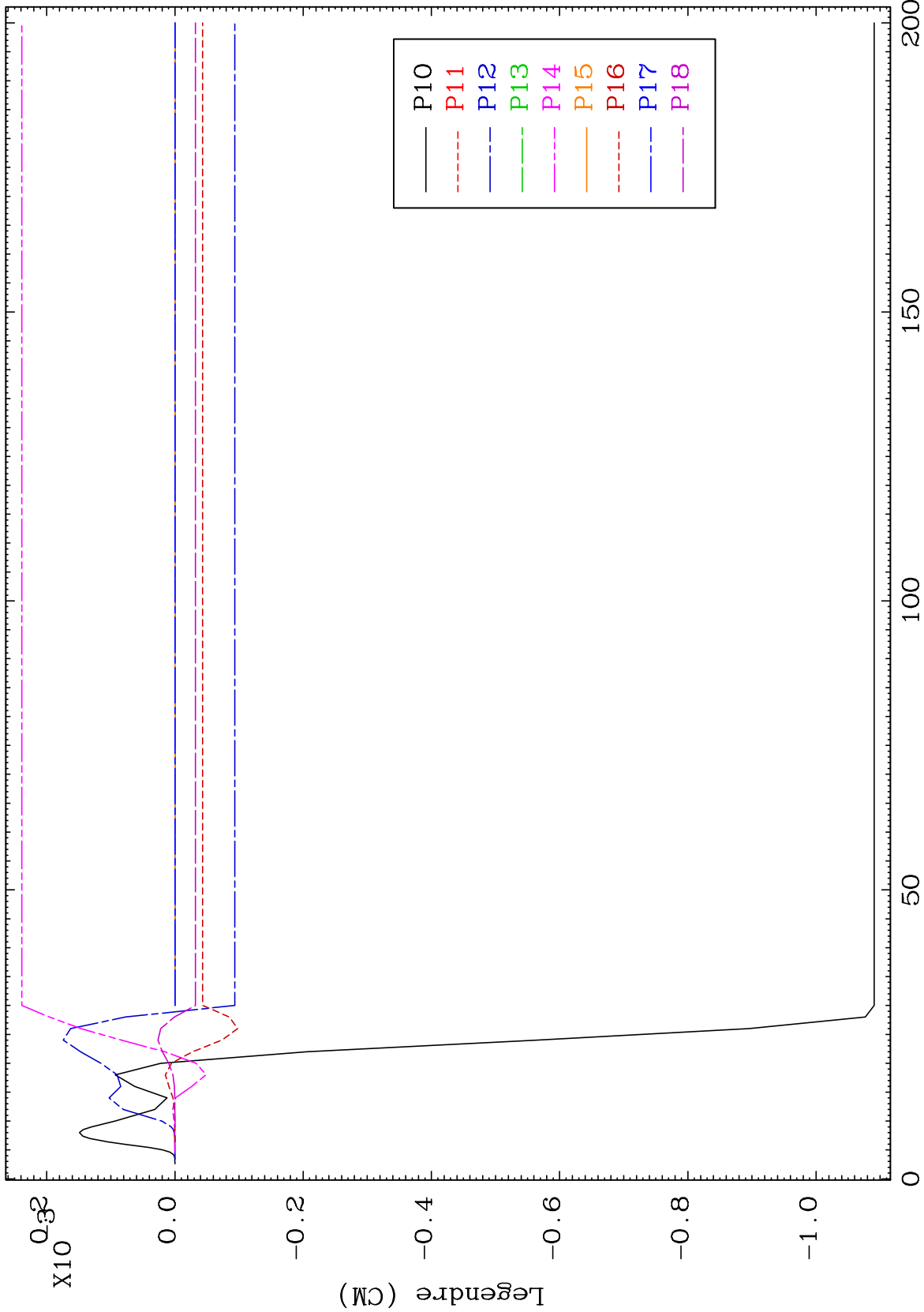
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



88

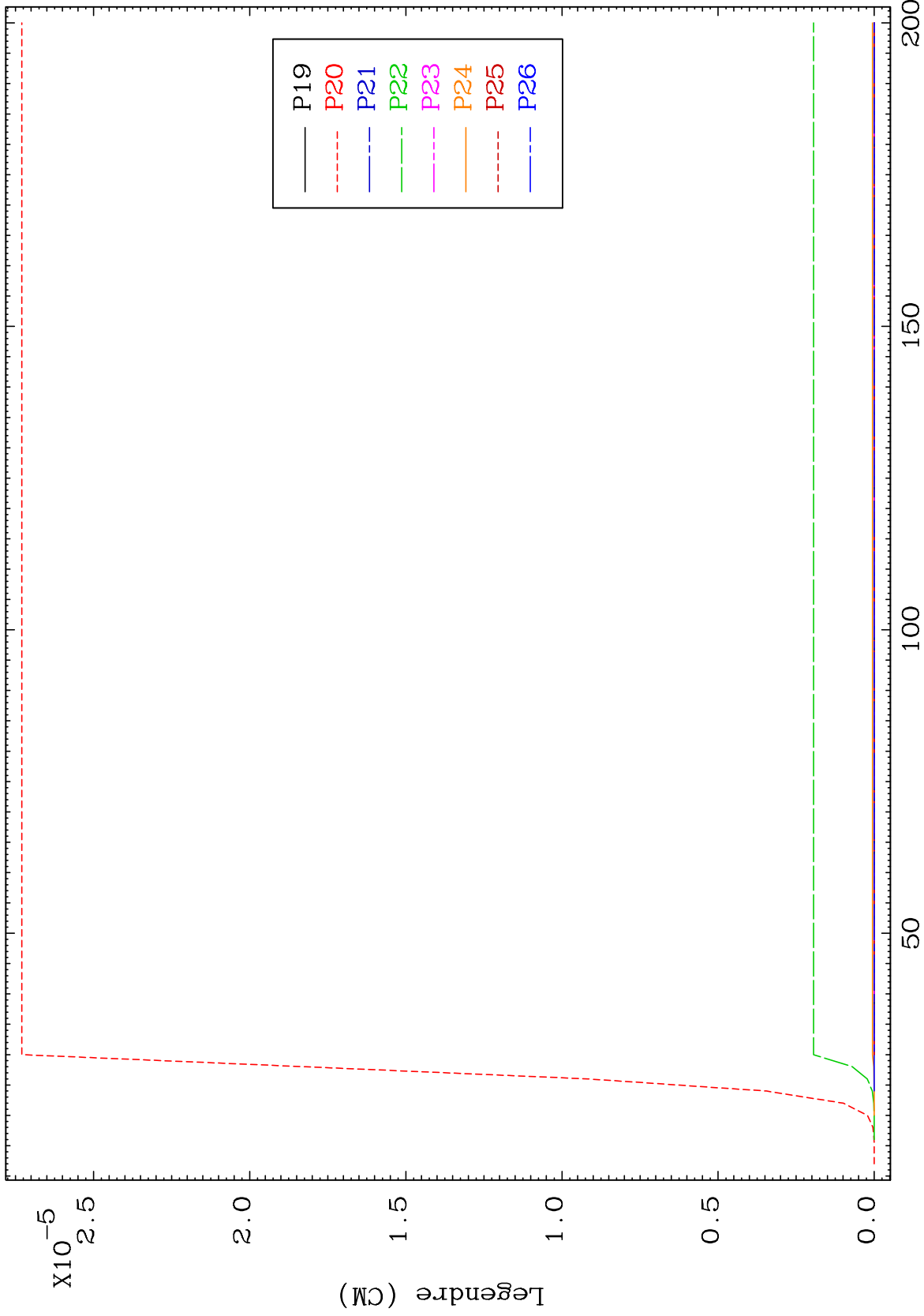
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



89

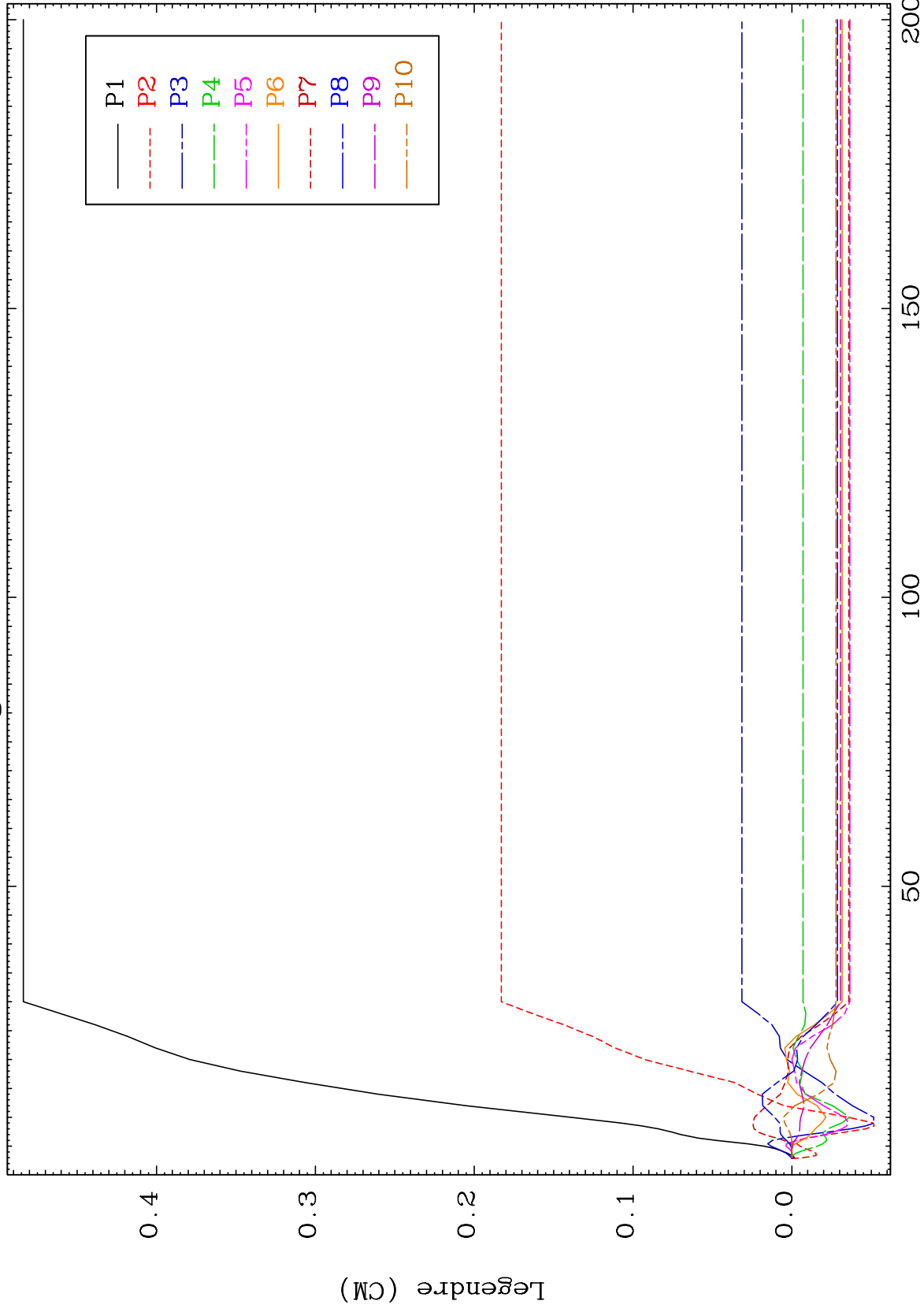
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



90

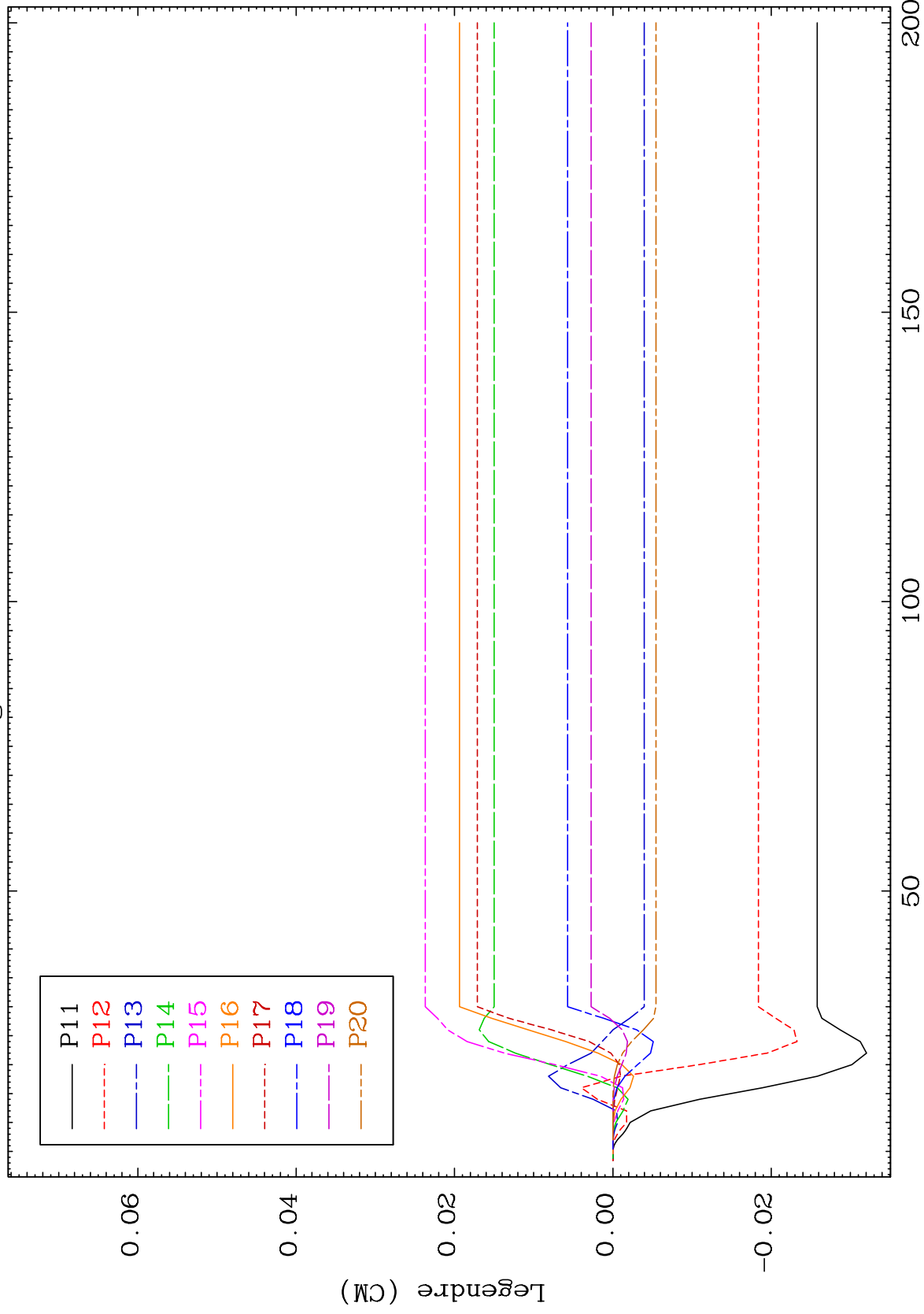
Incident Energy (MeV)

84-Po-202

MAT 8413

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

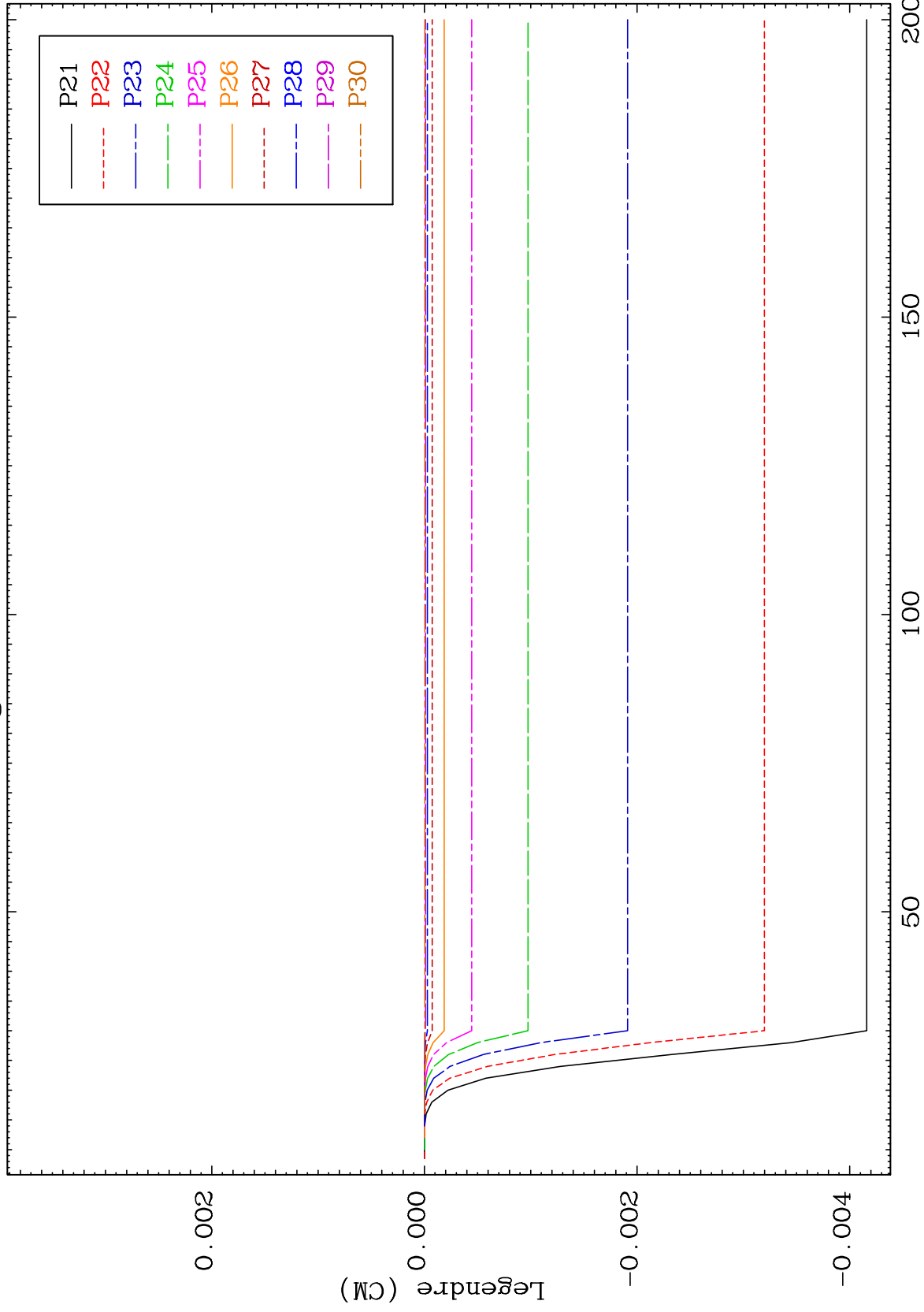
84-Po-202



MAT 8413

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

84-Po-202



92

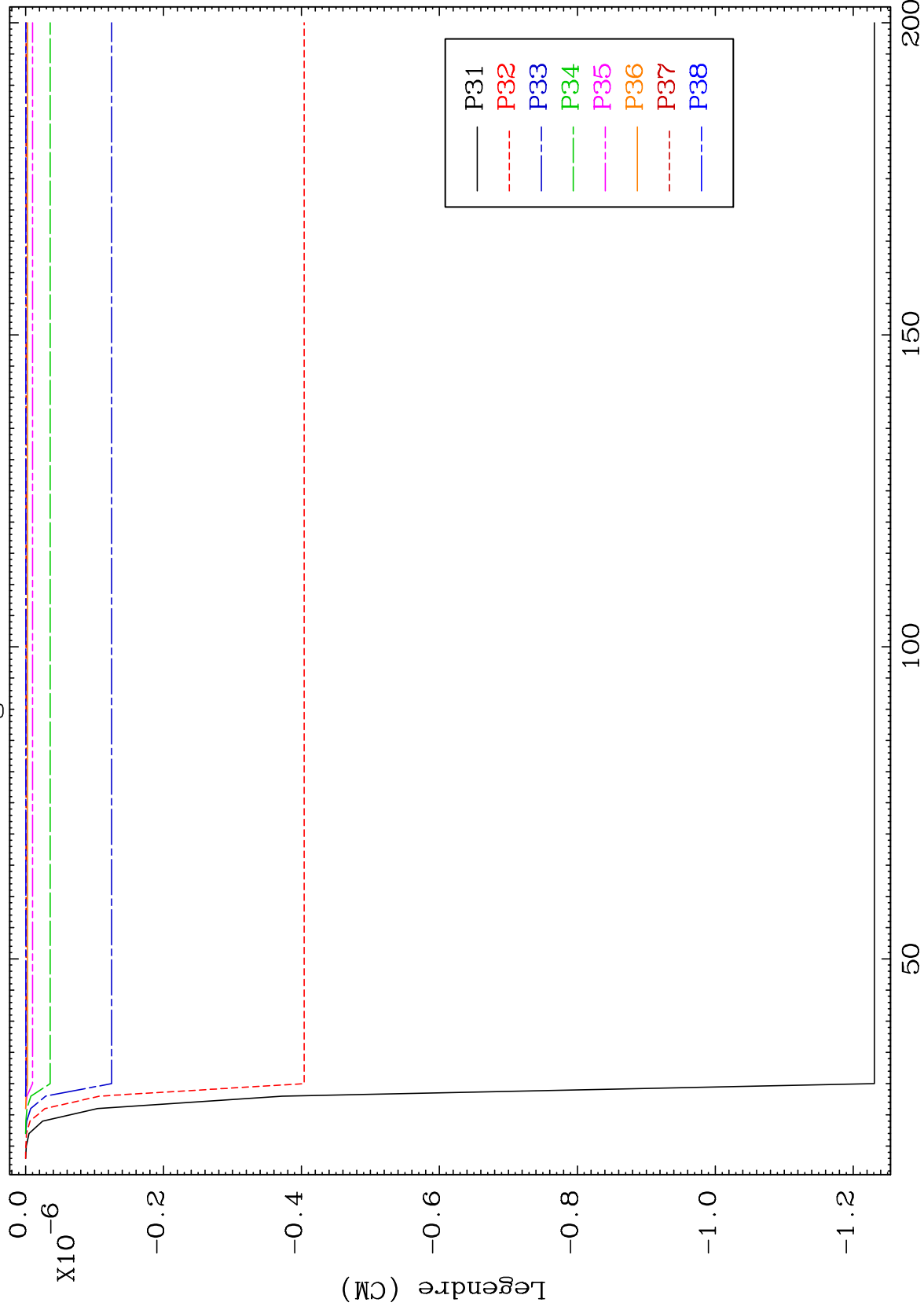
Incident Energy (MeV)

84-Po-202

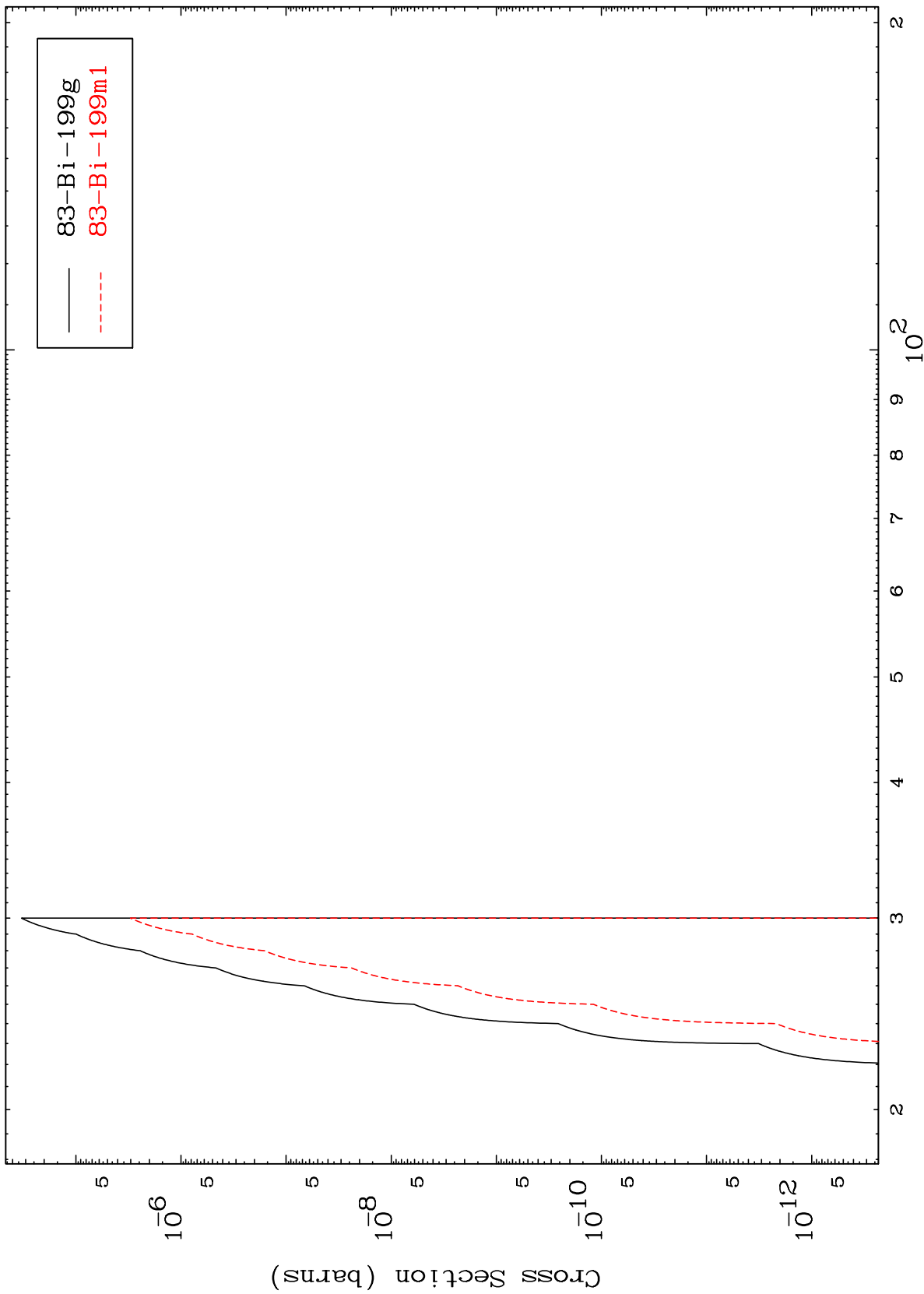
MAT 8413

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

84-Po-202



Radionuclide Production Cross Section

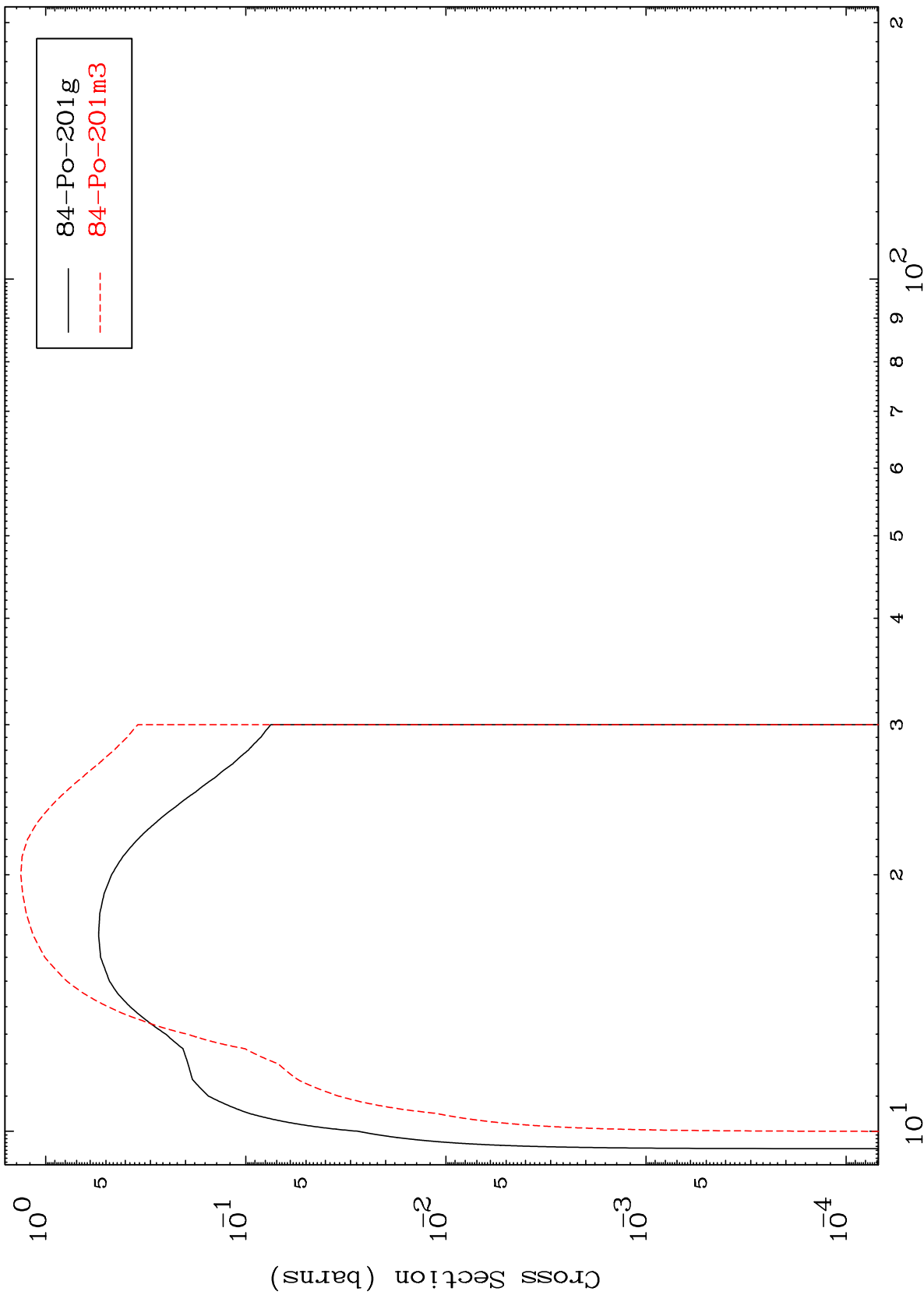


MAT 8413

84-Po-202

(n,2n)

Radionuclide Production Cross Section



84-Po-201g
84-Po-201m3

84-Po-202

Incident Energy (MeV)

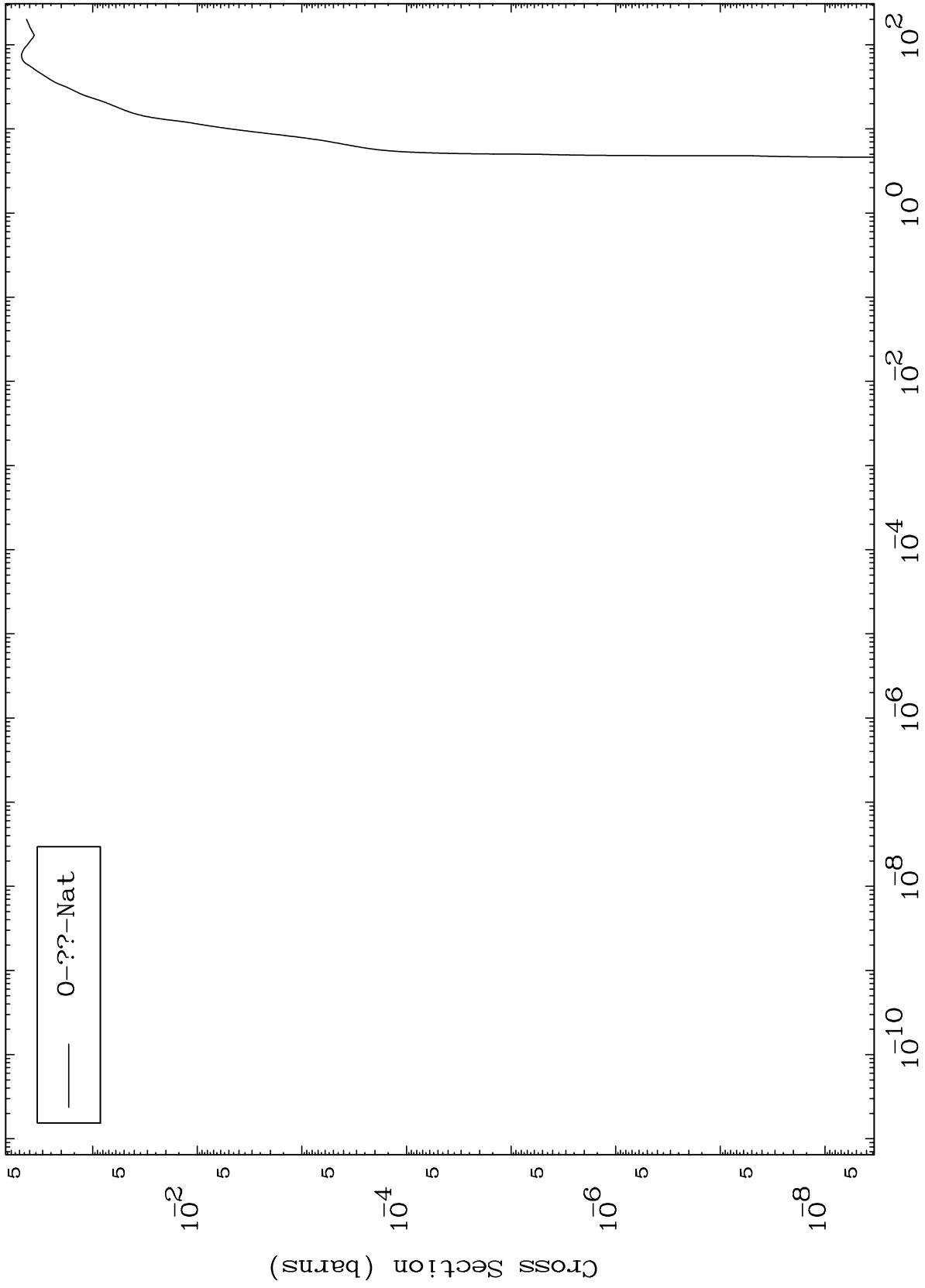
95

MAT 8413

Fission

84-Po-202

Radionuclide Production Cross Section



96

Incident Energy (MeV)

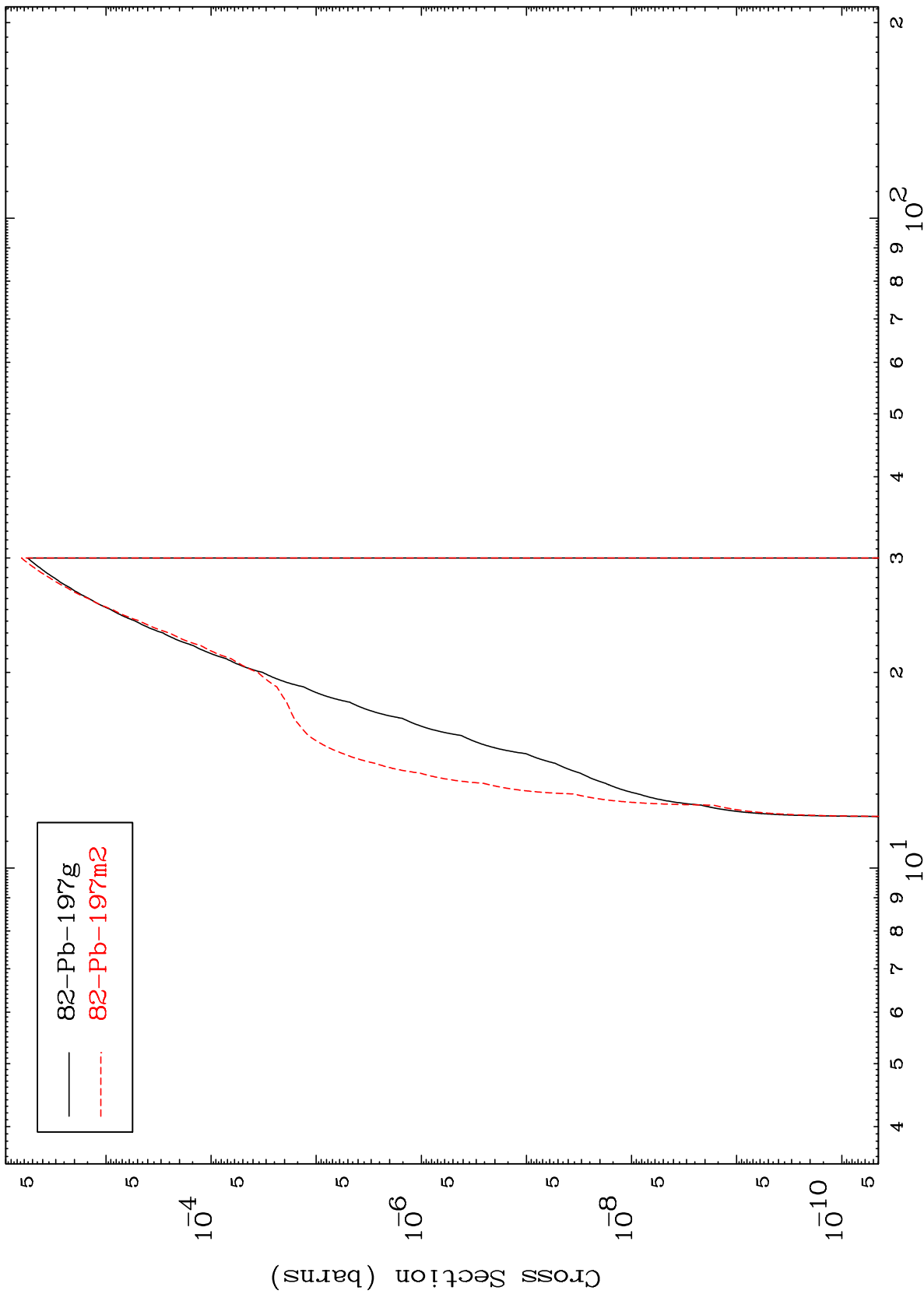
84-Po-202

MAT 8413

$(n,2n) \alpha$

84-Po-202

Radionuclide Production Cross Section



97

Incident Energy (MeV)

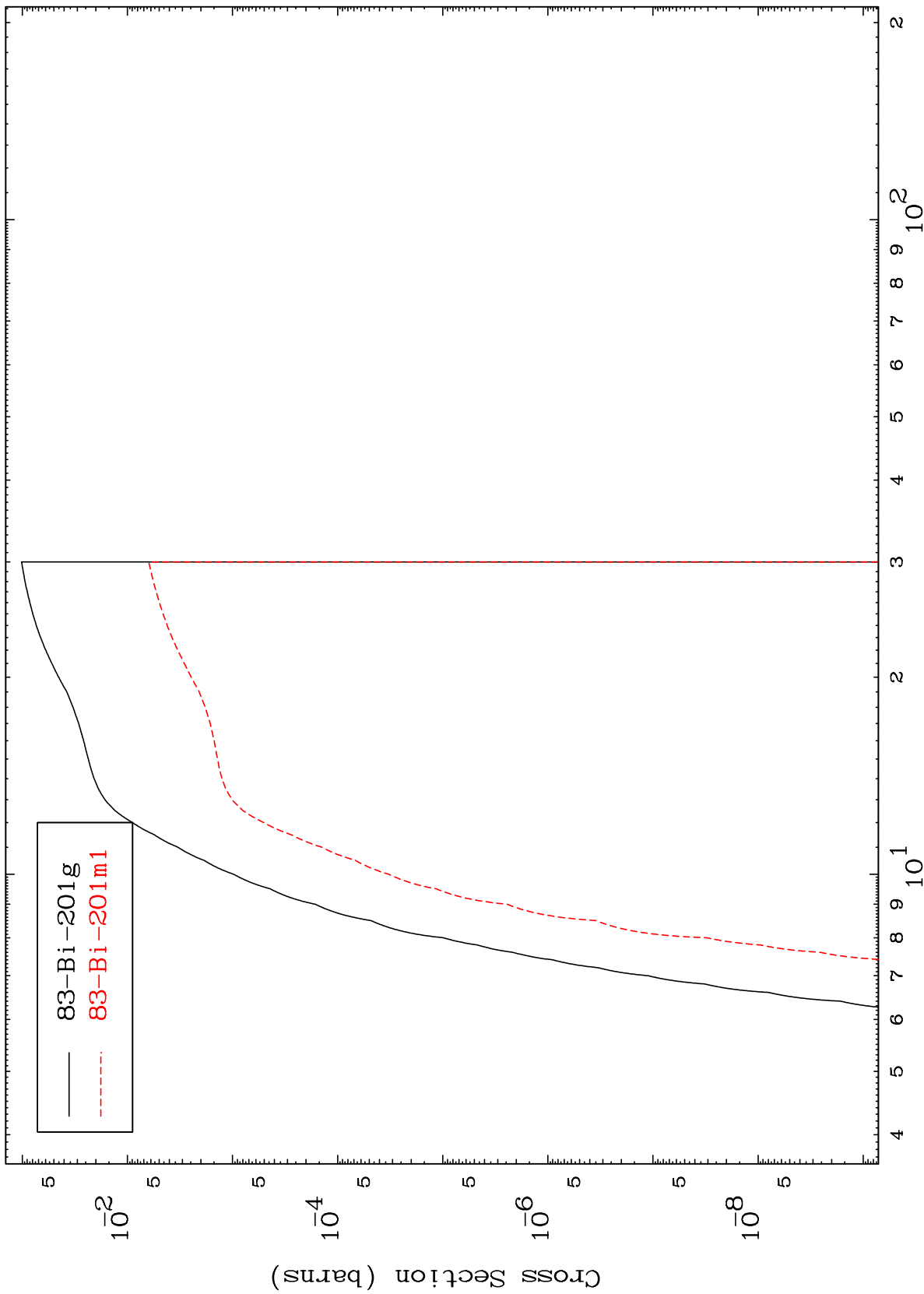
84-Po-202

MAT 8413

(n,n') p

84-Po-202

Radionuclide Production Cross Section

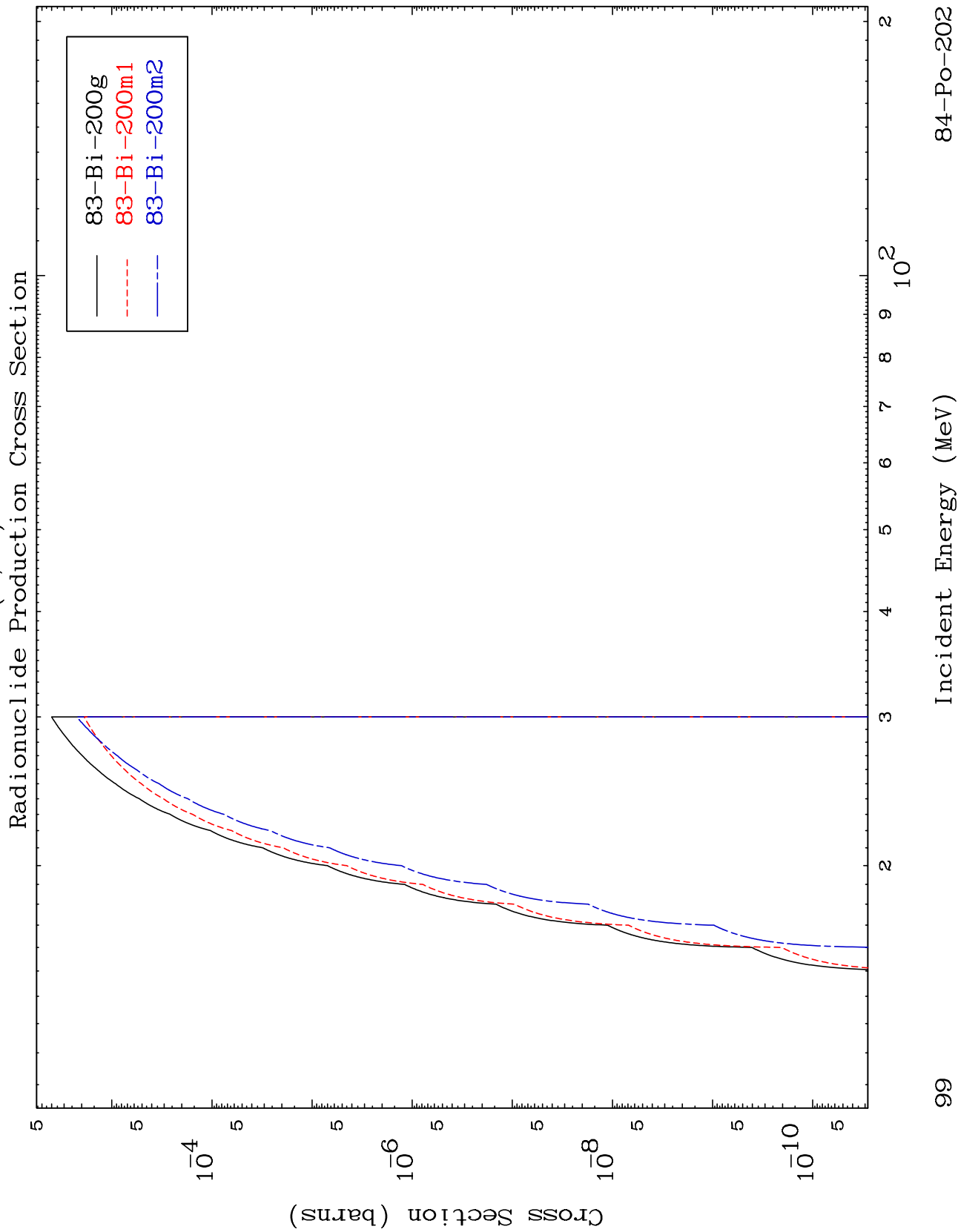


83-Bi-201g
83-Bi-201m1

98

Incident Energy (MeV)

84-Po-202

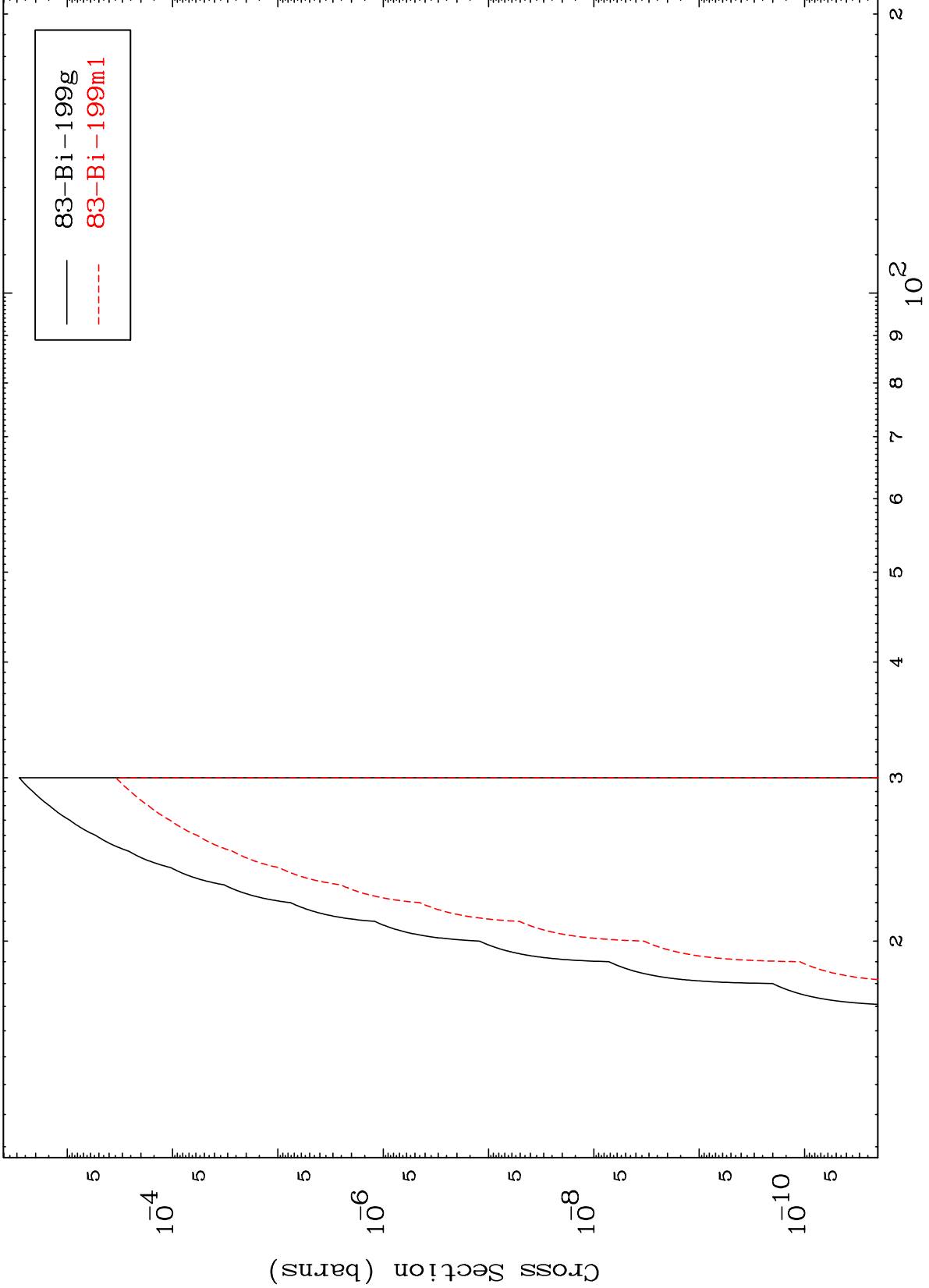


MAT 8413

(n,n') t

84-Po-202

Radionuclide Production Cross Section



83-Bi-199g
83-Bi-199m1

100

Incident Energy (MeV)

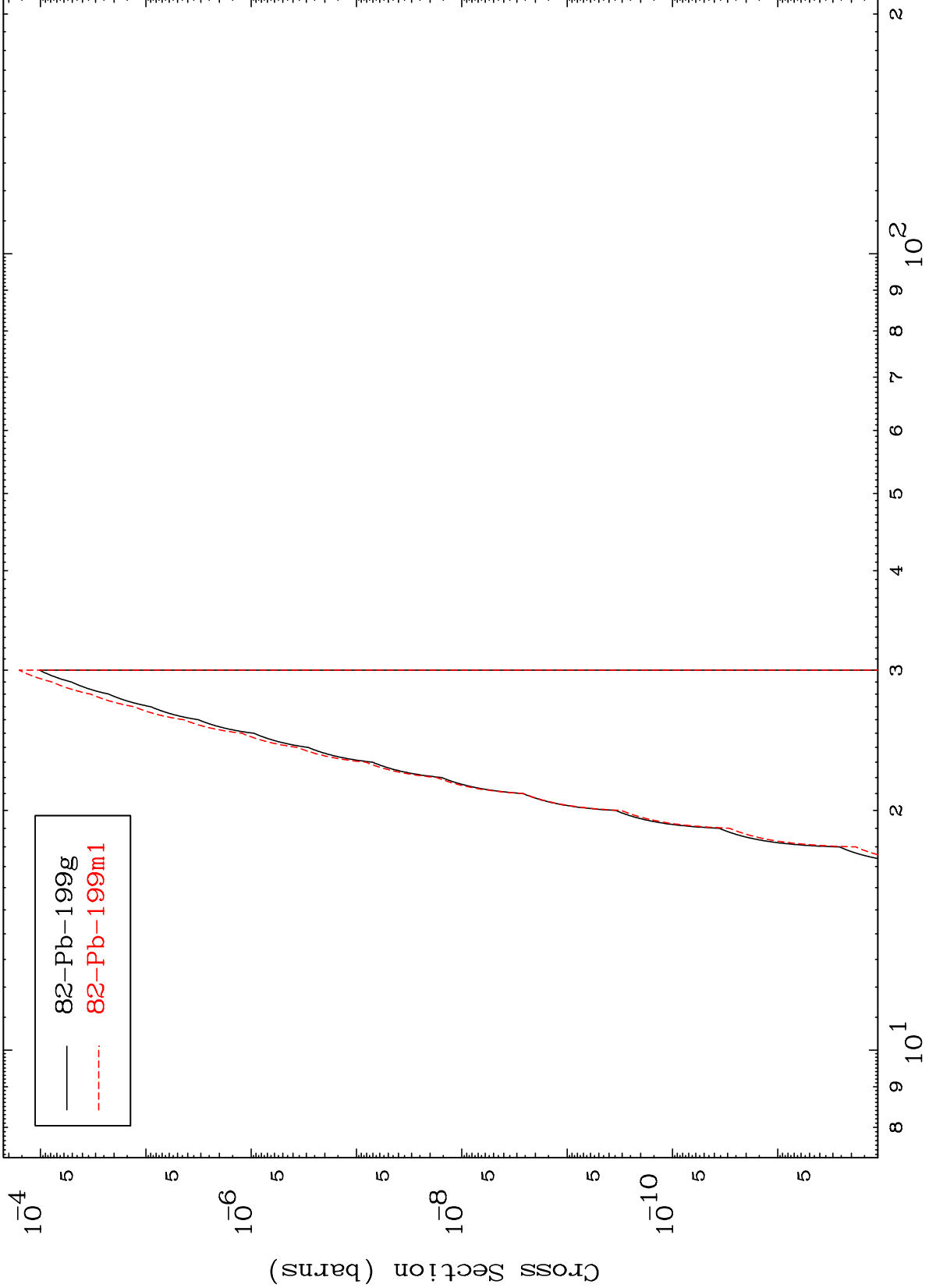
84-Po-202

MAT 8413

(n,n') He-3

84-Po-202

Radionuclide Production Cross Section



82-Pb-199g
82-Pb-199m1

101

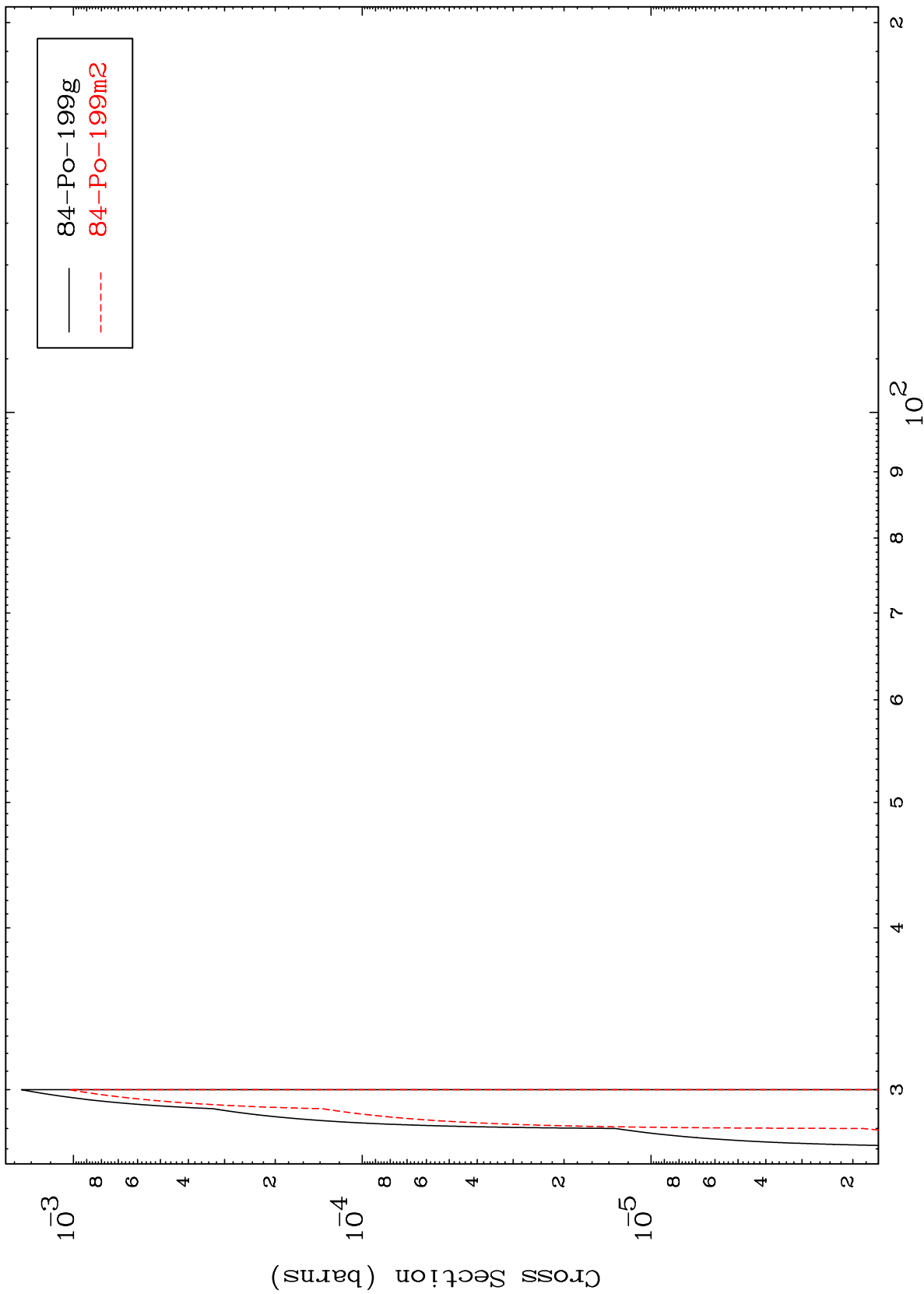
Incident Energy (MeV)

84-Po-202

MAT 8413

84-Po-202

(n,4n)
Radionuclide Production Cross Section

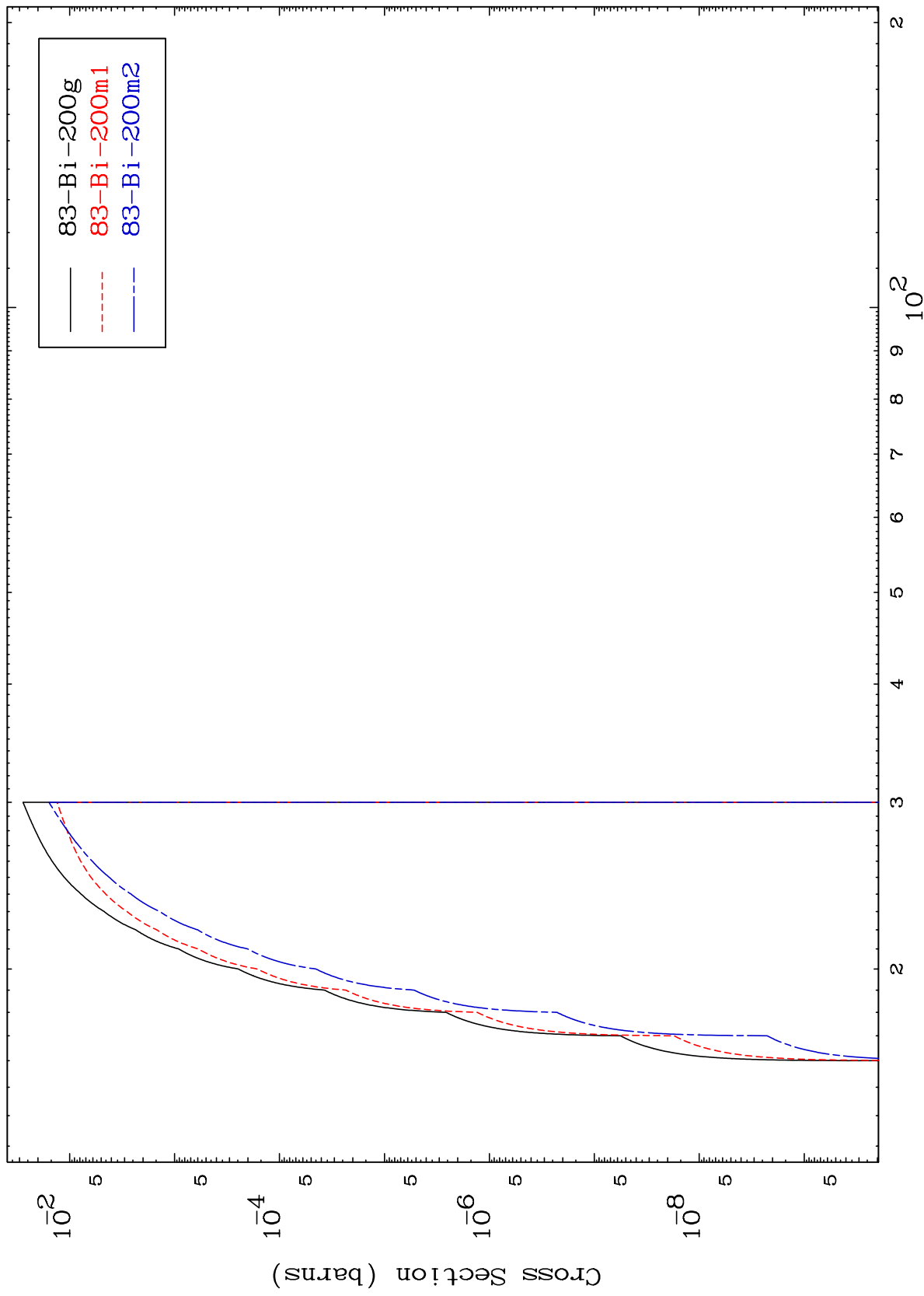


102

84-Po-202

Incident Energy (MeV)

Radionuclide Production Cross Section

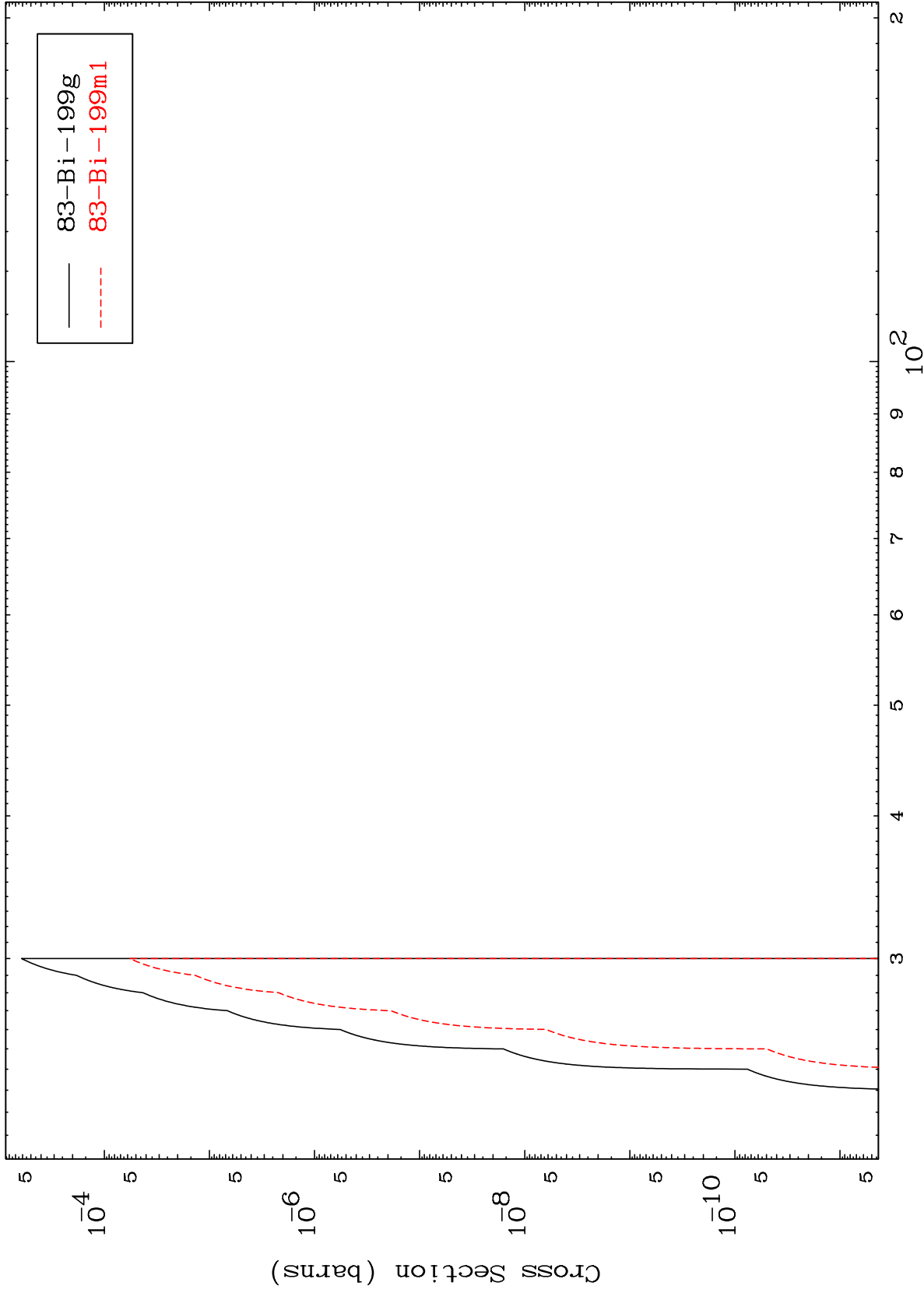


MAT 8413

(n,3n) p

84-Po-202

Radionuclide Production Cross Section



104

Incident Energy (MeV)

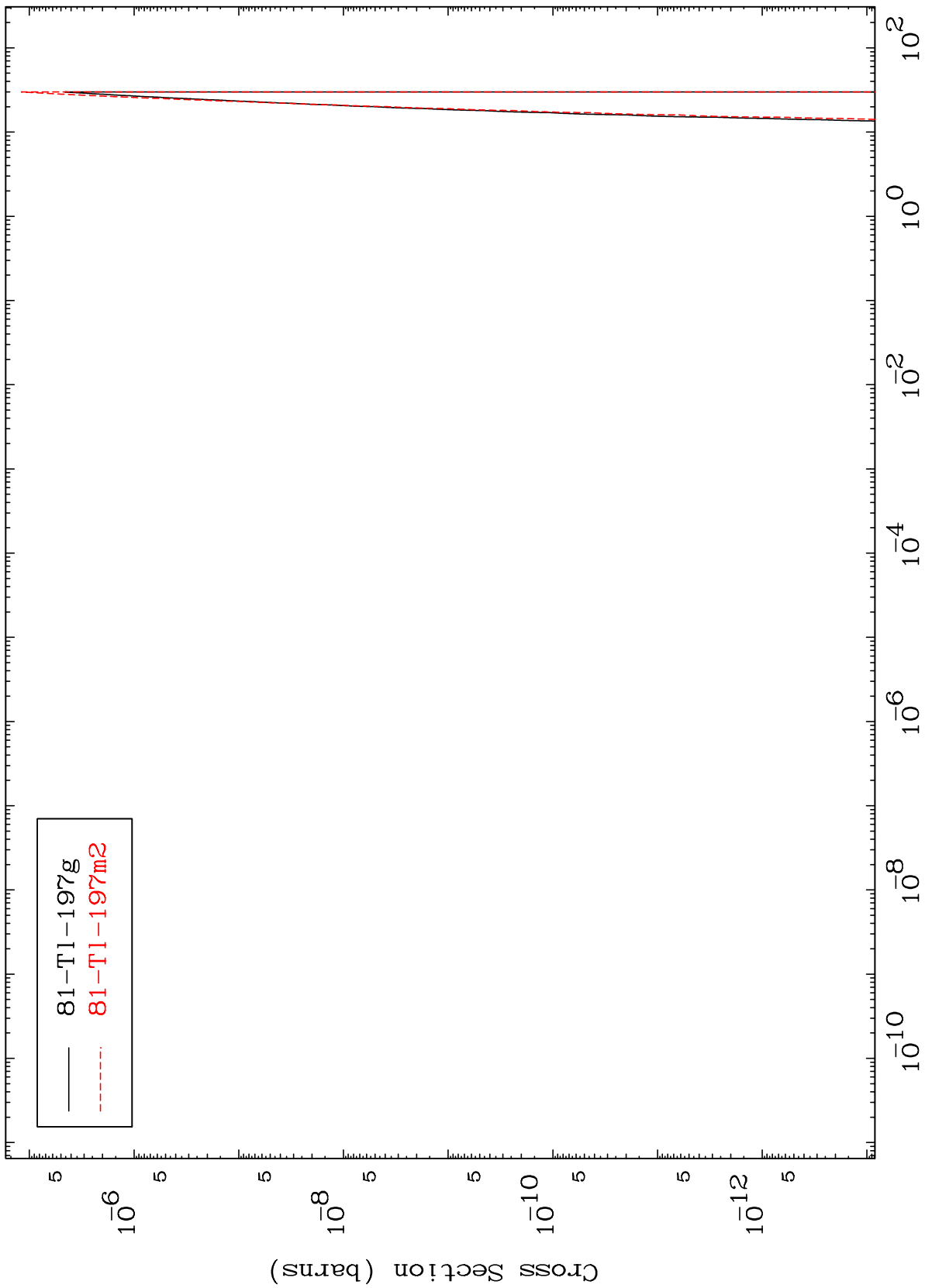
84-Po-202

MAT 8413

(n,n') p α

84-Po-202

Radionuclide Production Cross Section



105

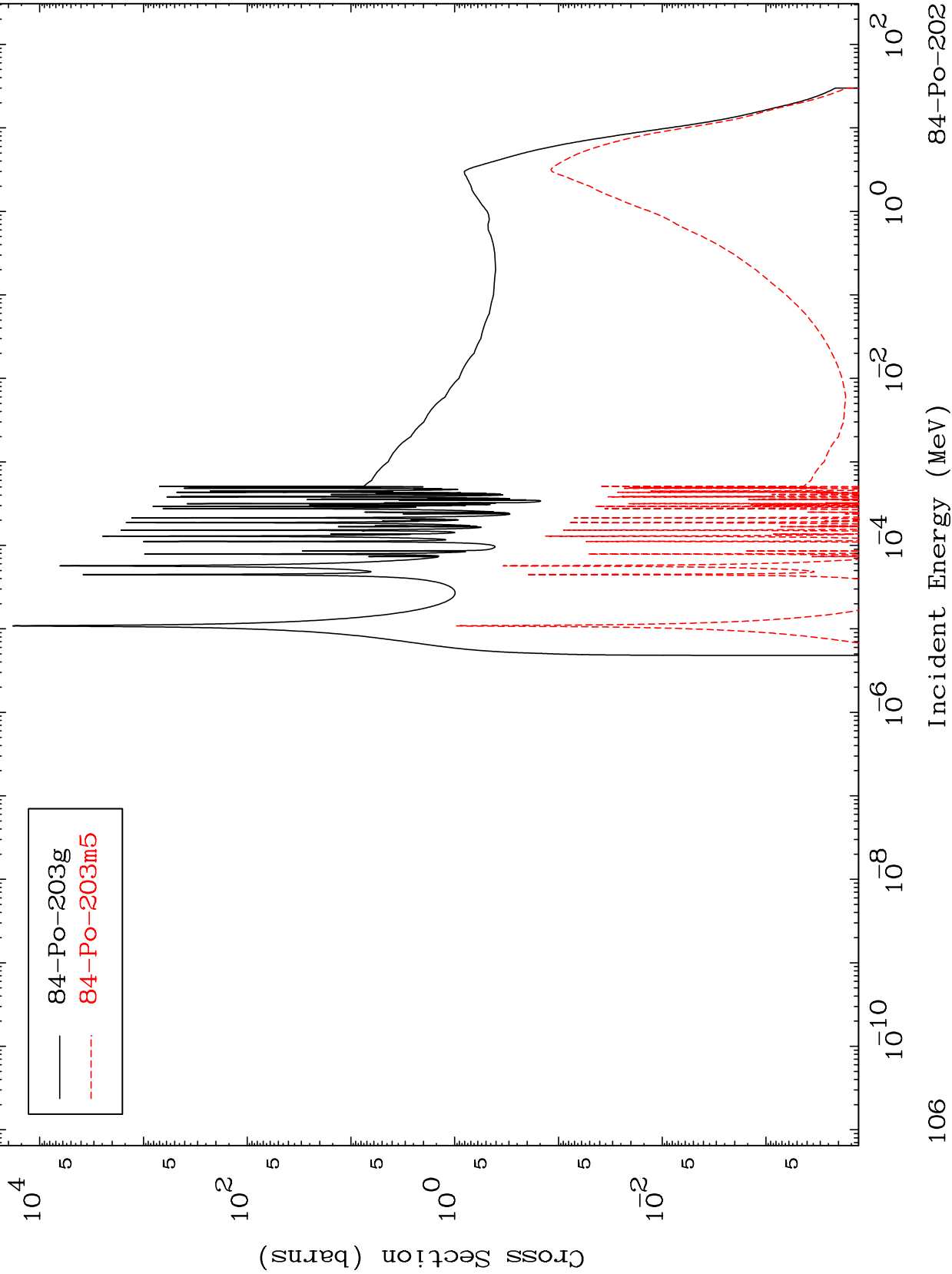
Incident Energy (MeV)

84-Po-202

MAT 8413

84-Po-202

(n, γ)
Radionuclide Production Cross Section



106

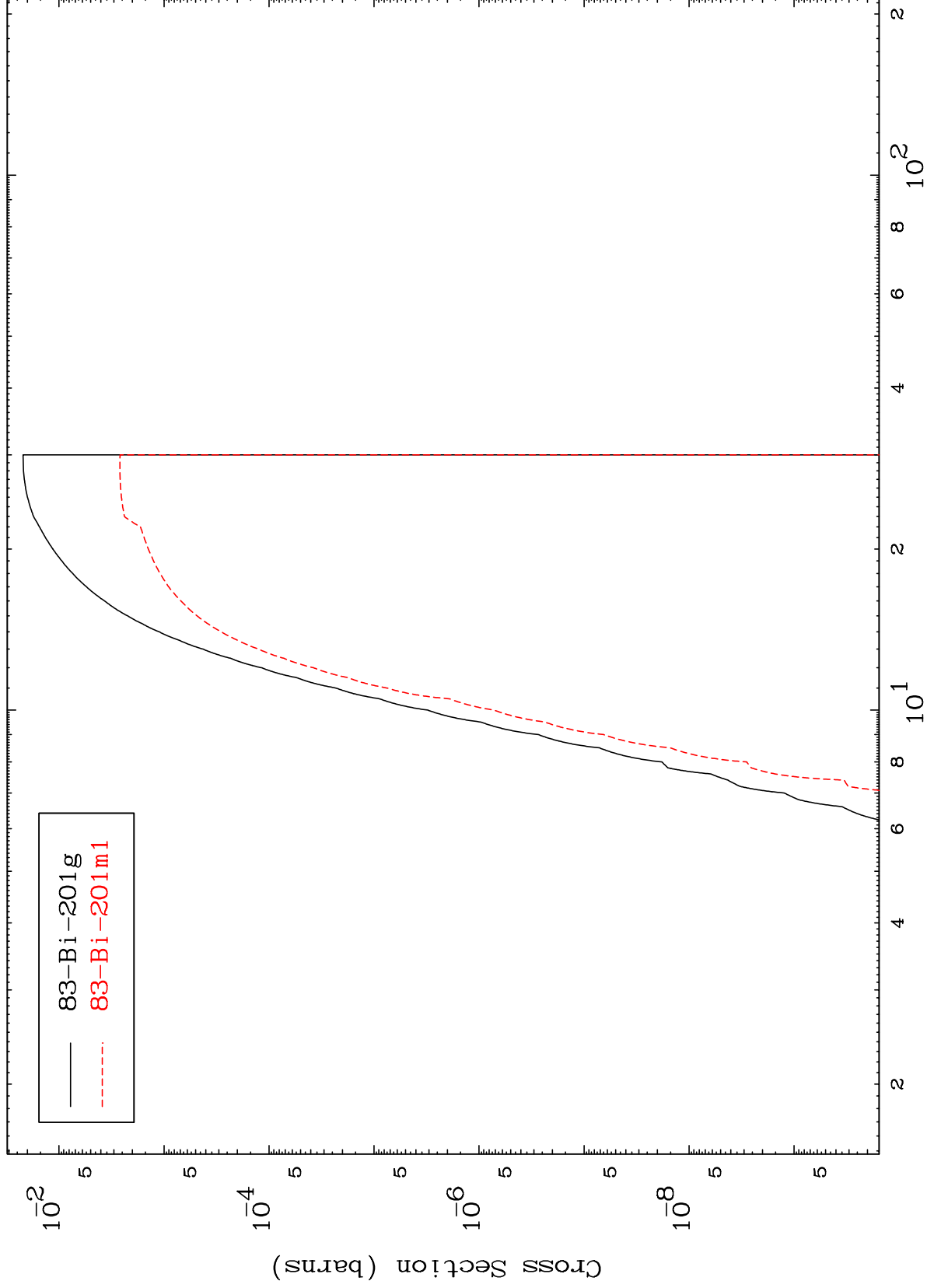
84-Po-202

MAT 8413

(n,d)

84-Po-202

Radionuclide Production Cross Section

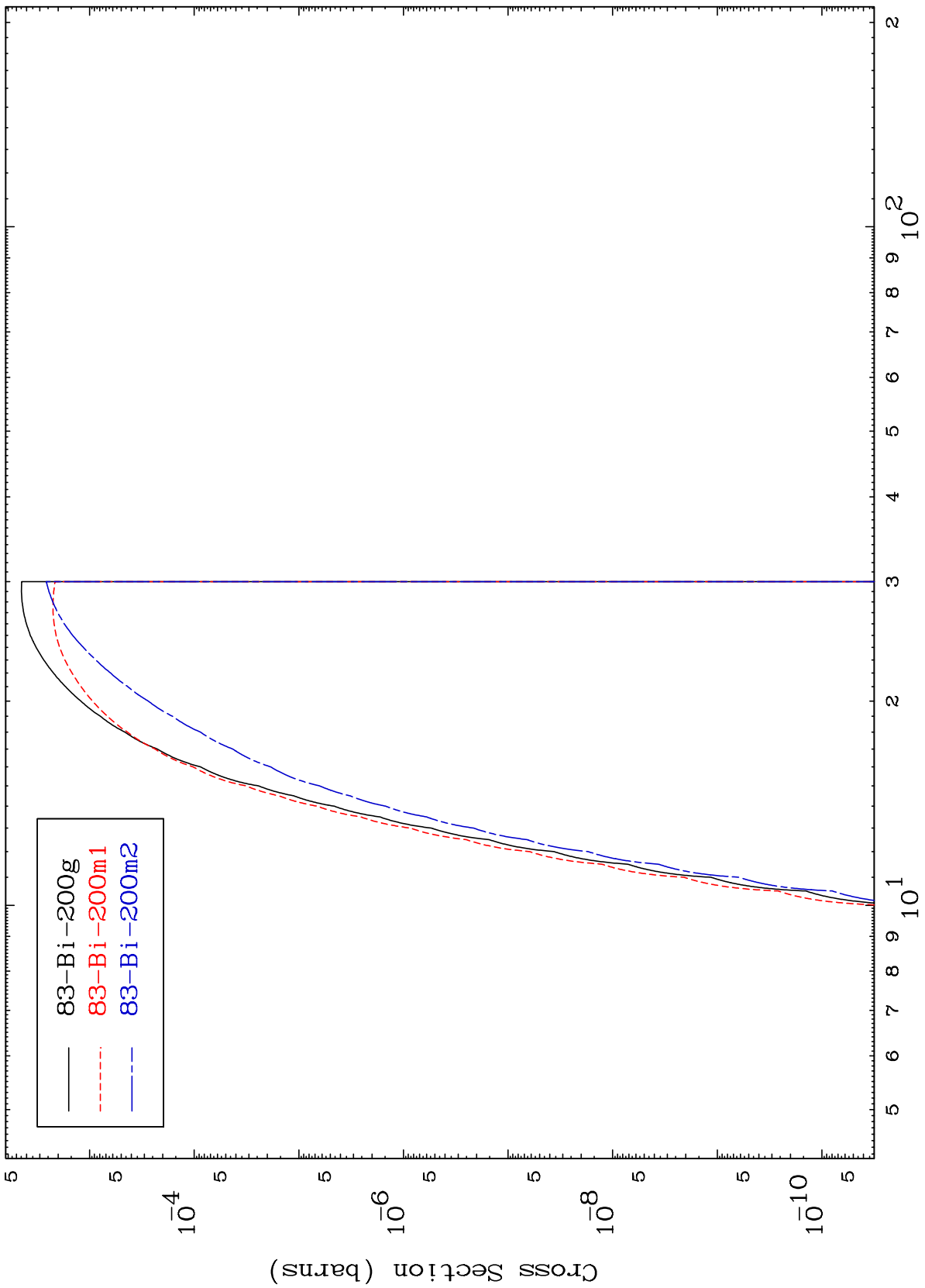


107

Incident Energy (MeV)

84-Po-202

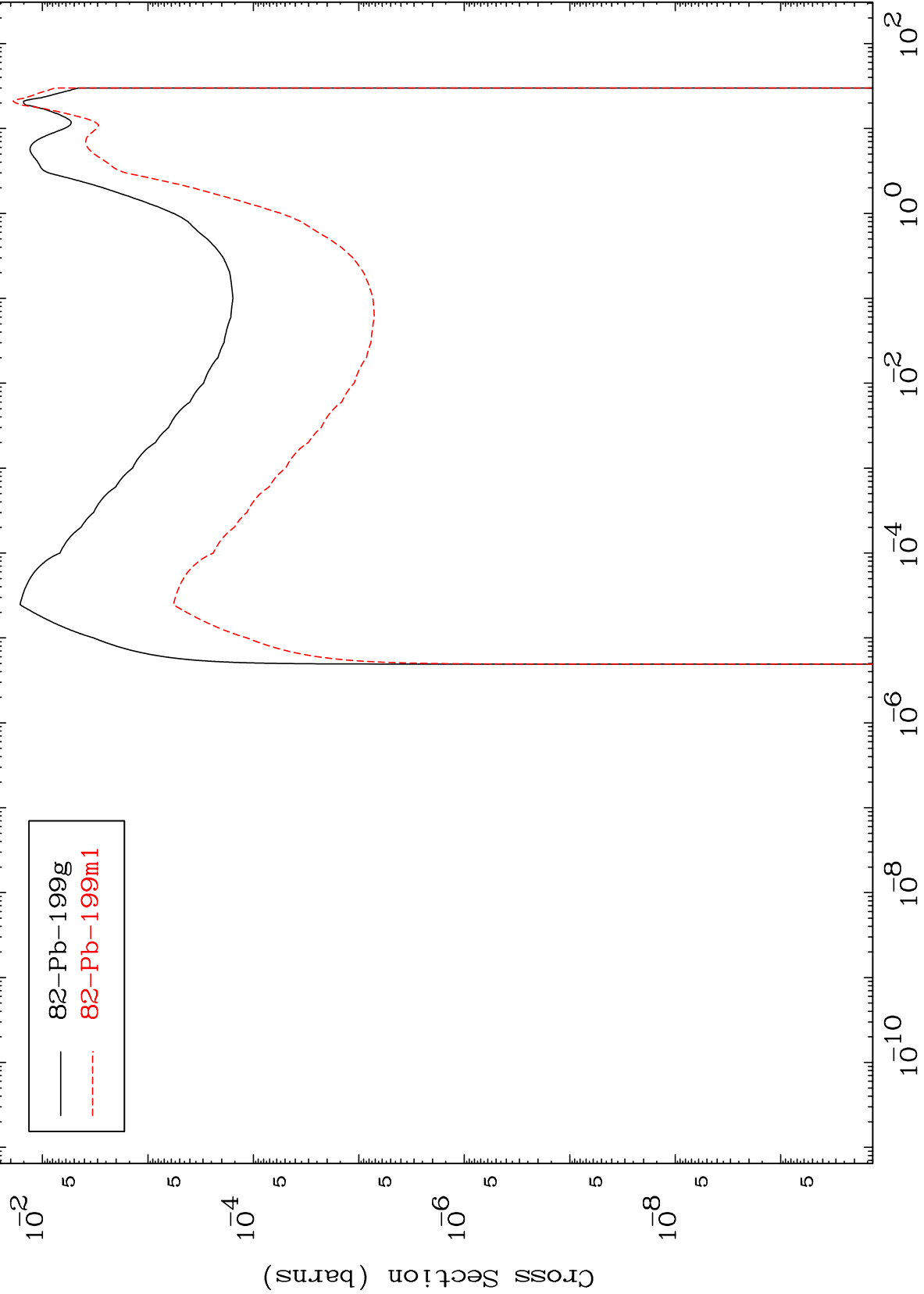
(n, t)
Radionuclide Production Cross Section



MAT 8413

84-Po-202

(n, α)
Radionuclide Production Cross Section



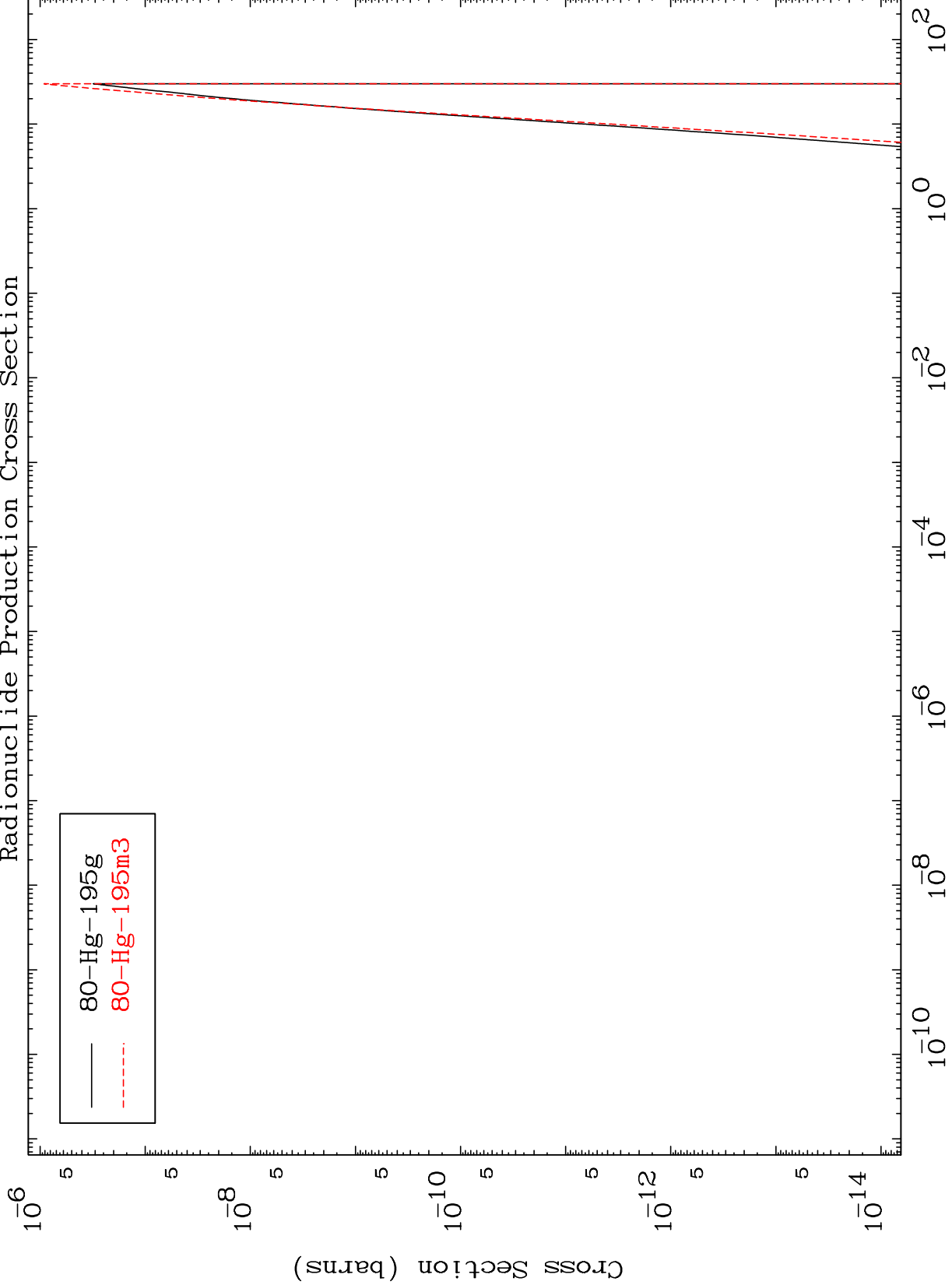
— 82-Pb-199g
- - - 82-Pb-199m1

MAT 8413

(n,2α)

84-Po-202

Radionuclide Production Cross Section



110

Incident Energy (MeV)

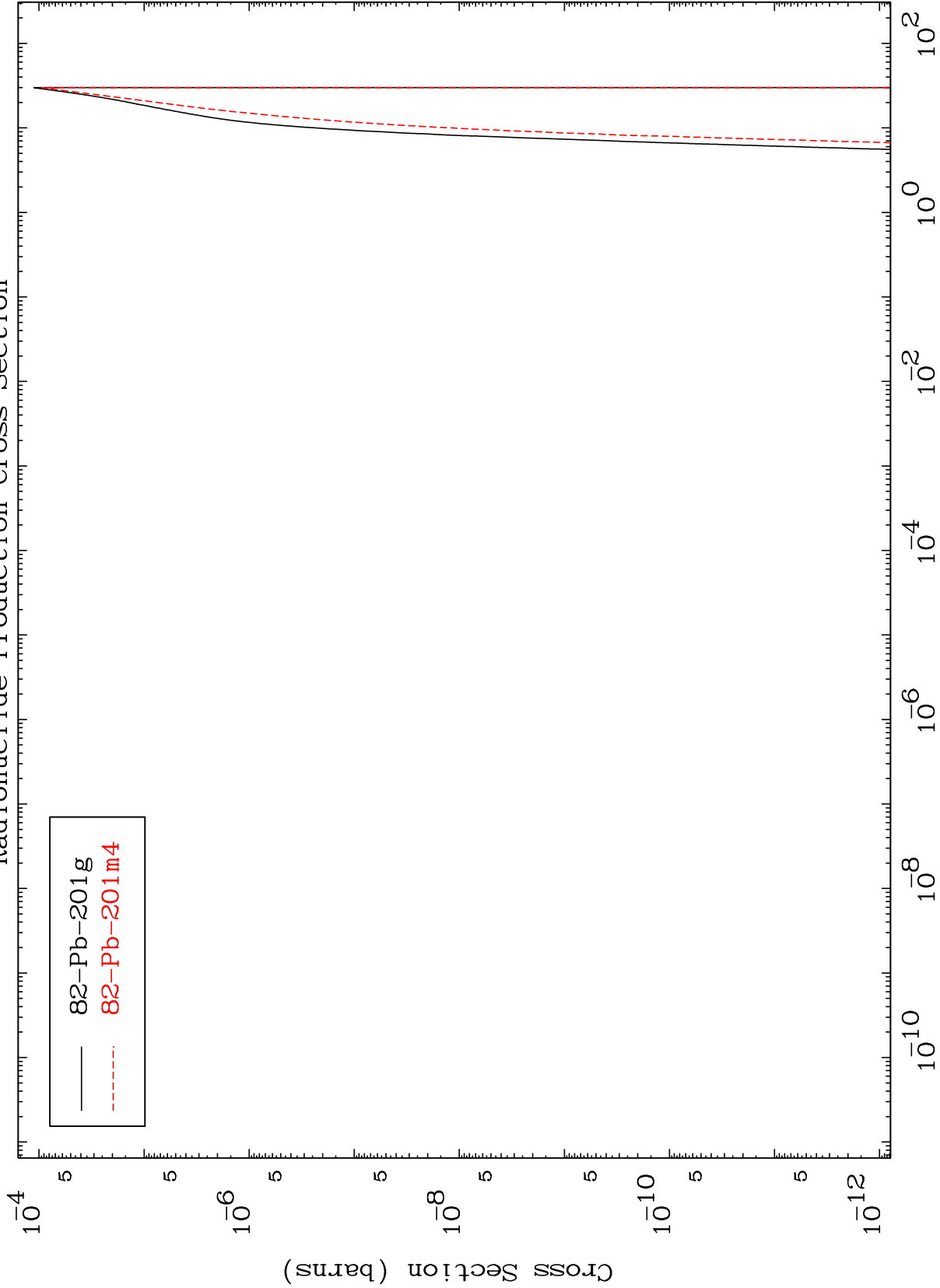
84-Po-202

MAT 8413

(n,2p)

84-Po-202

Radionuclide Production Cross Section



82-Pb-201g
82-Pb-201m4

Incident Energy (MeV)

84-Po-202

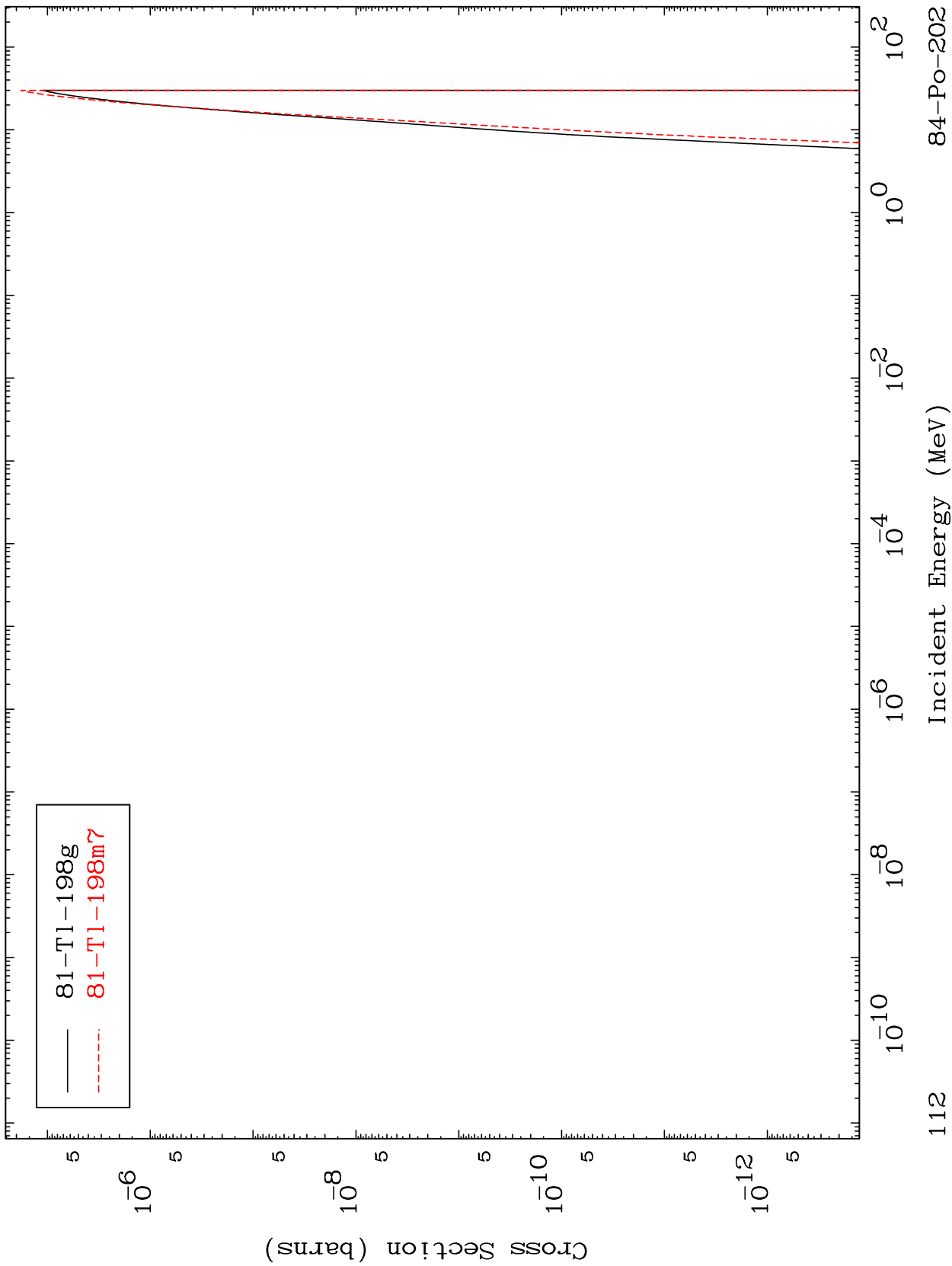
111

MAT 8413

(n,p) α

84-Po-202

Radionuclide Production Cross Section

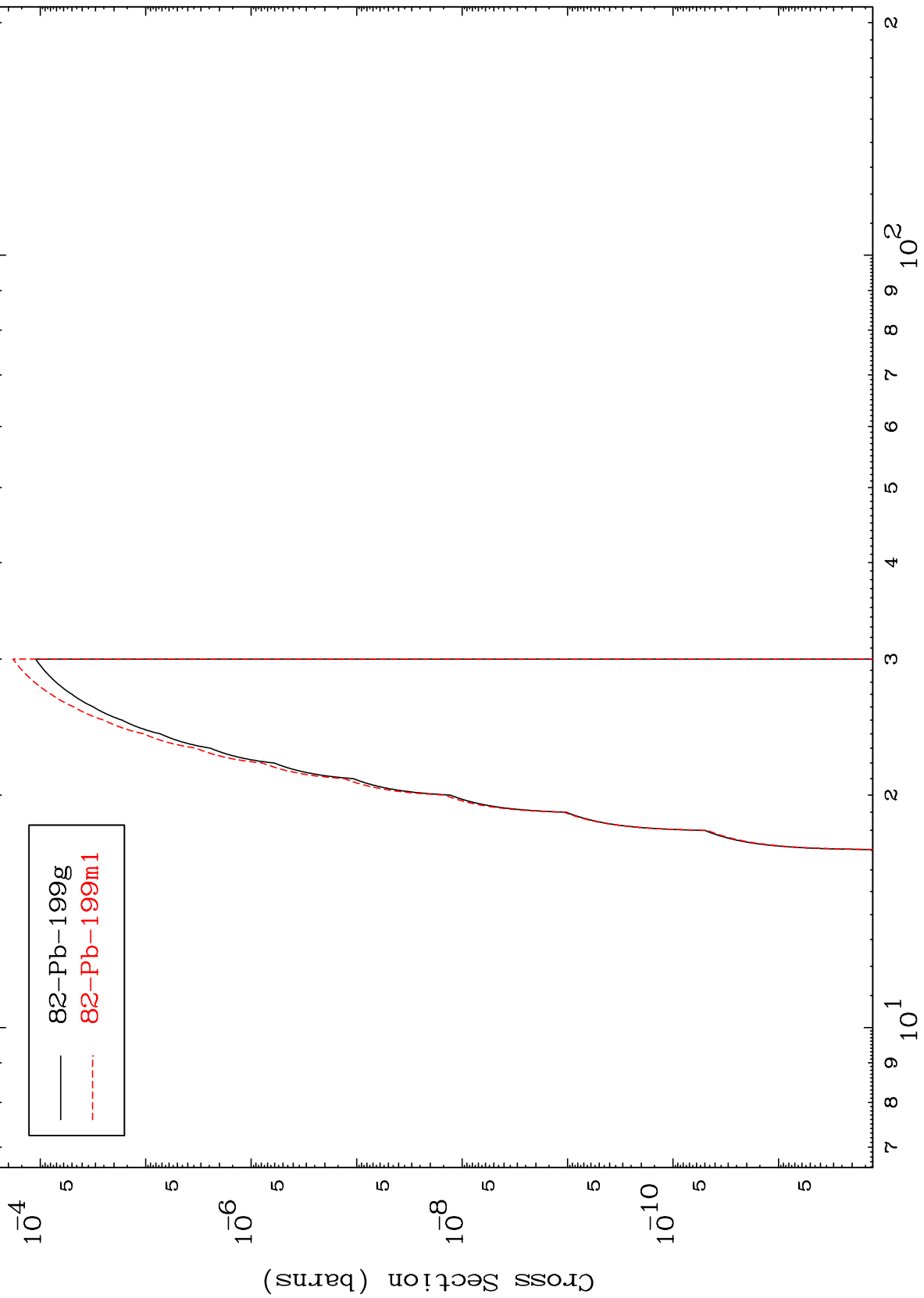


MAT 8413

(n,p) t

84-Po-202

Radionuclide Production Cross Section



82-Pb-199g
82-Pb-199m1

113

Incident Energy (MeV)

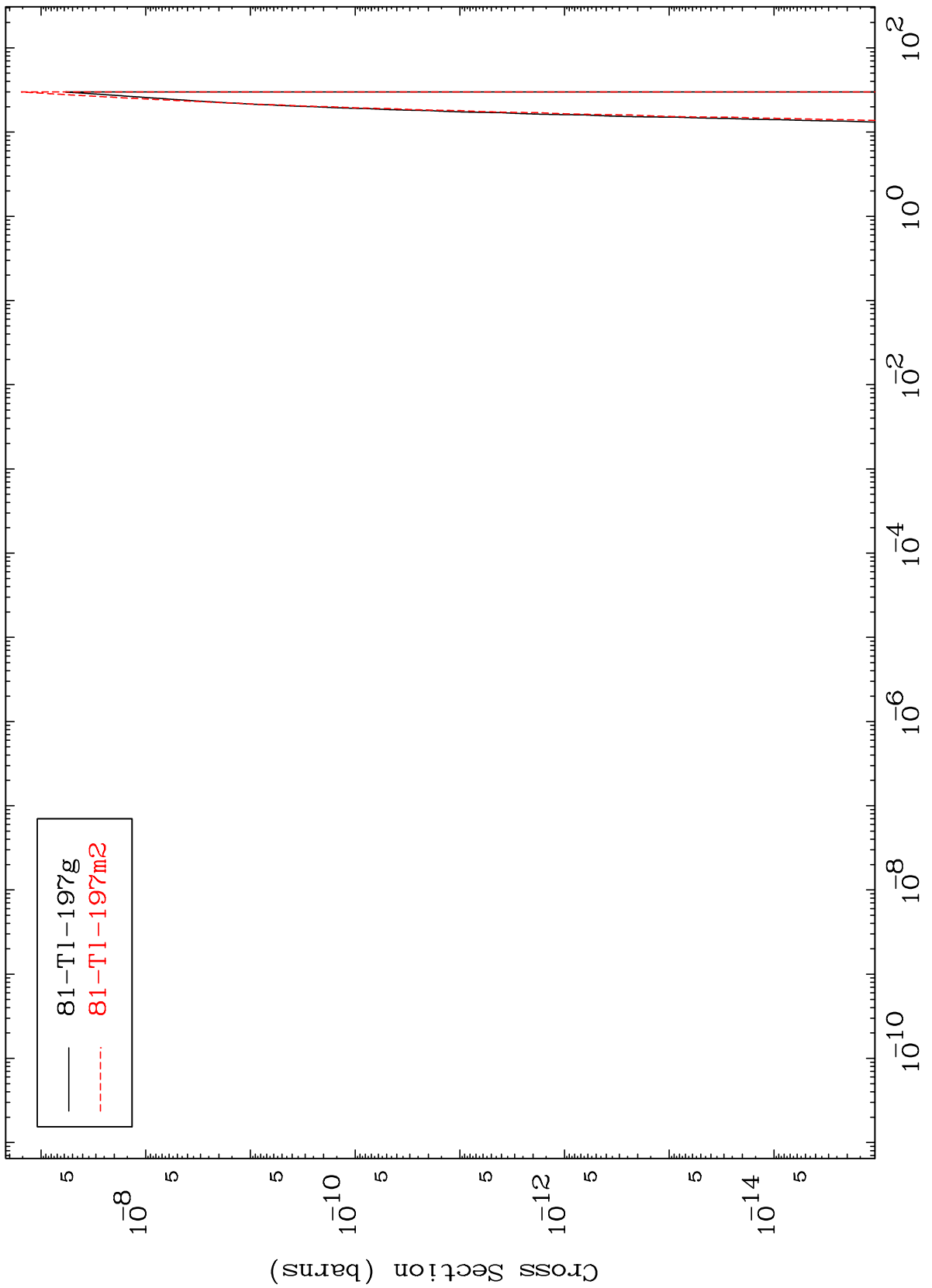
84-Po-202

MAT 8413

(n,d) α

84-Po-202

Radionuclide Production Cross Section



114

Incident Energy (MeV)

84-Po-202