

Program EVALPLOT
(Version 2018-1)

by

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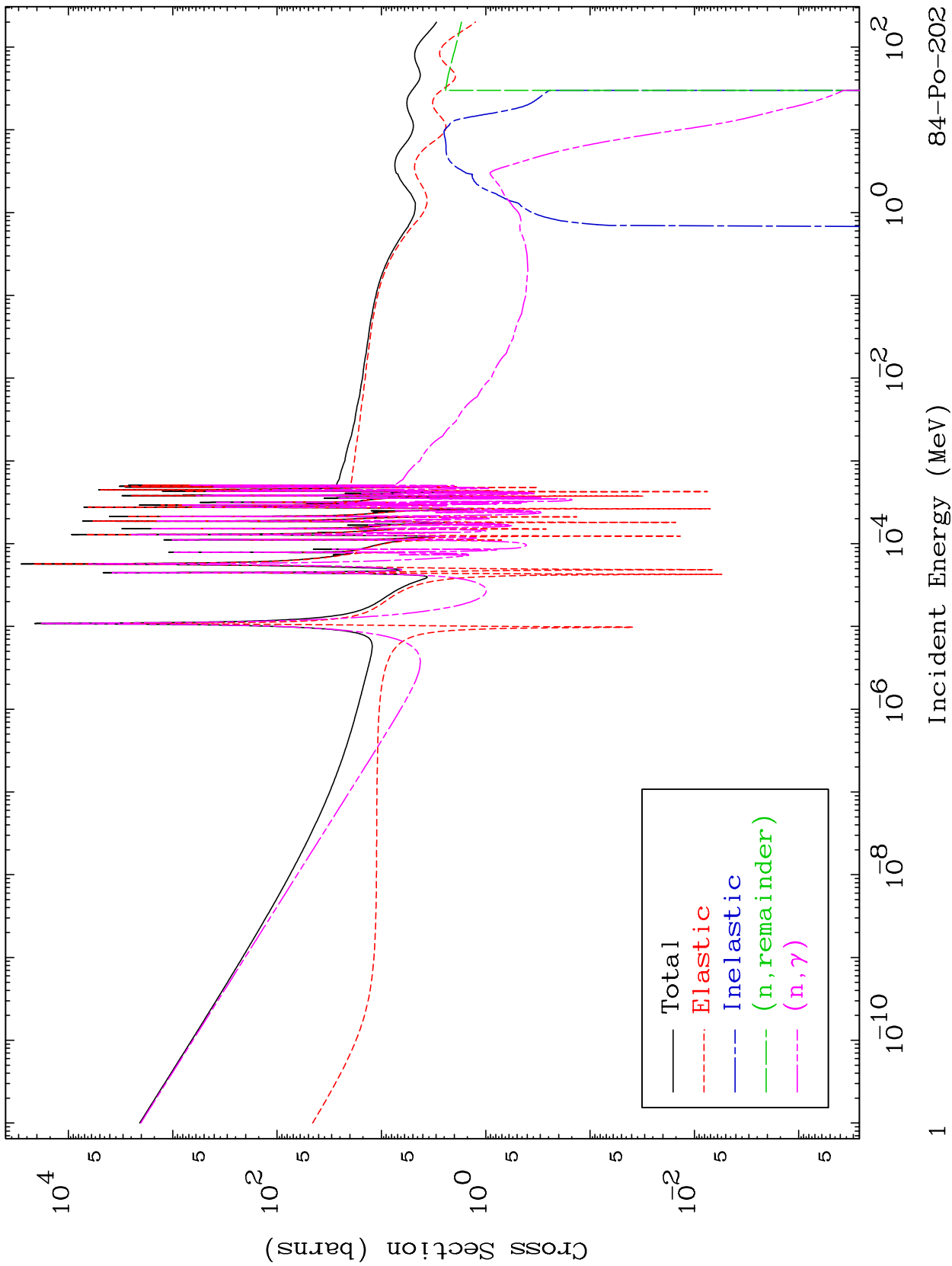
Press Mouse Button to Start

MAT 8413

Major

293 Kelvin Cross Sections

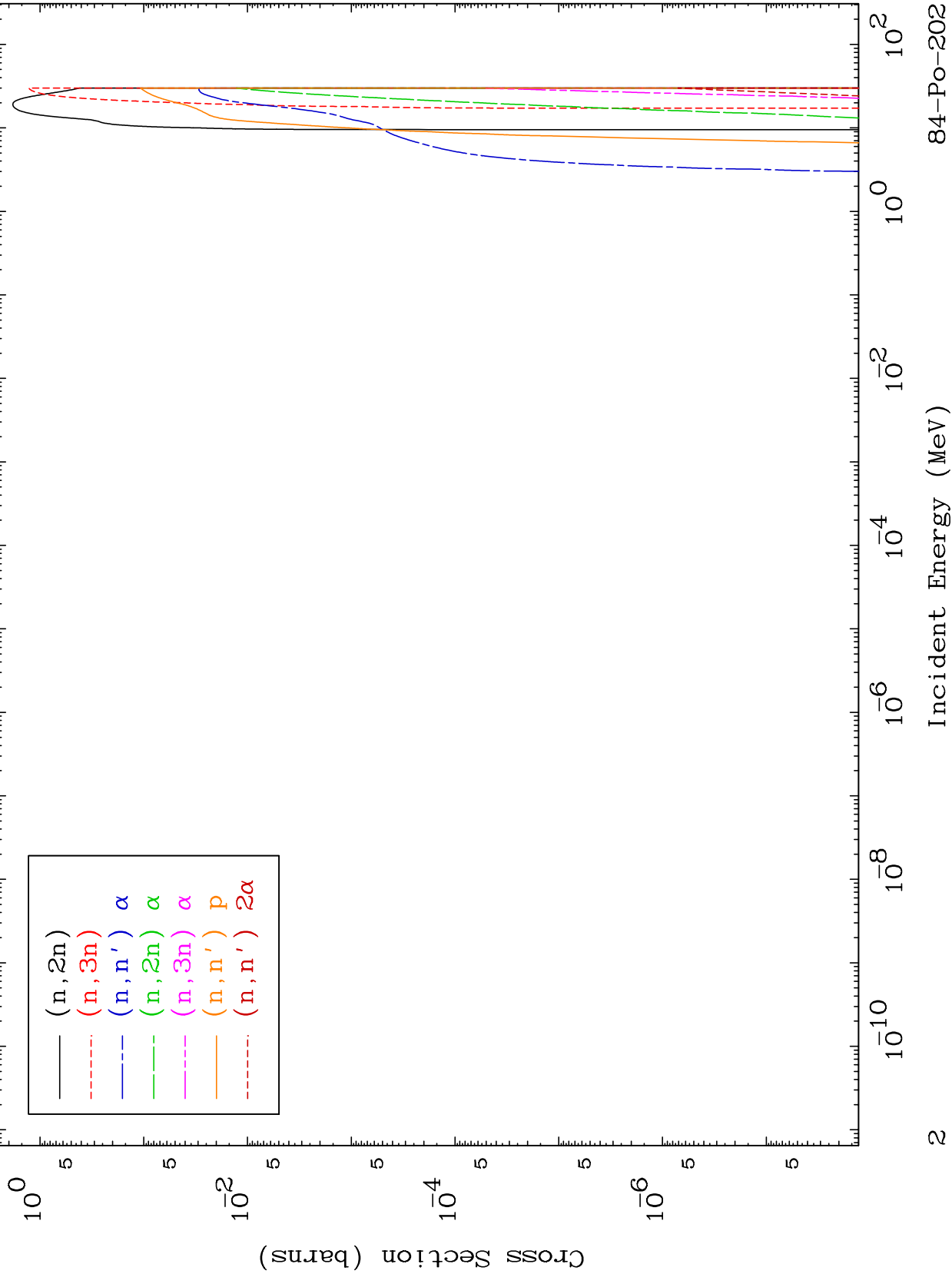
84-Po-202



MAT 8413

Neutron Production
293 Kelvin Cross Sections

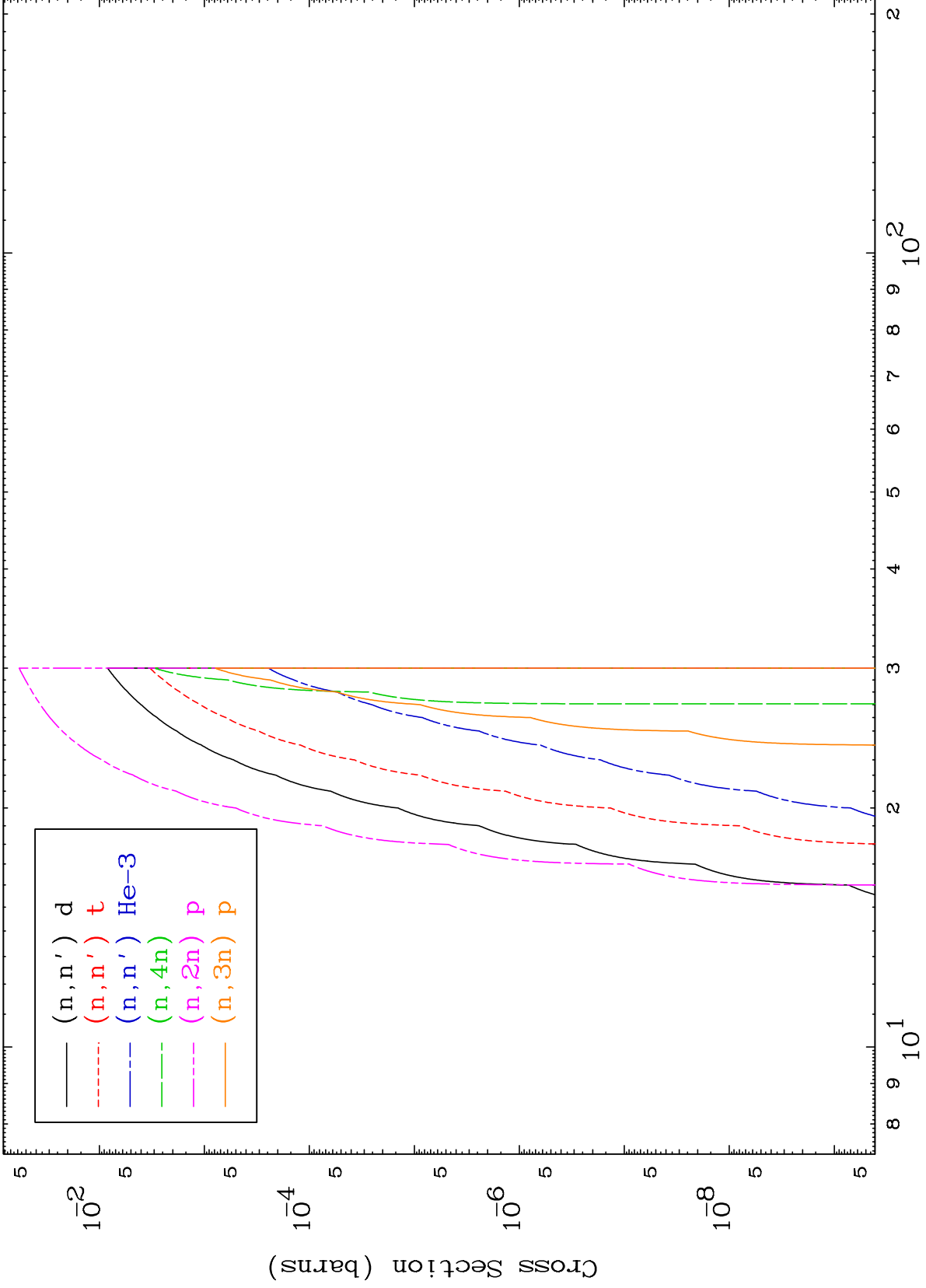
84-Po-202



MAT 8413

Neutron Production
293 Kelvin Cross Sections

84-Po-202



3

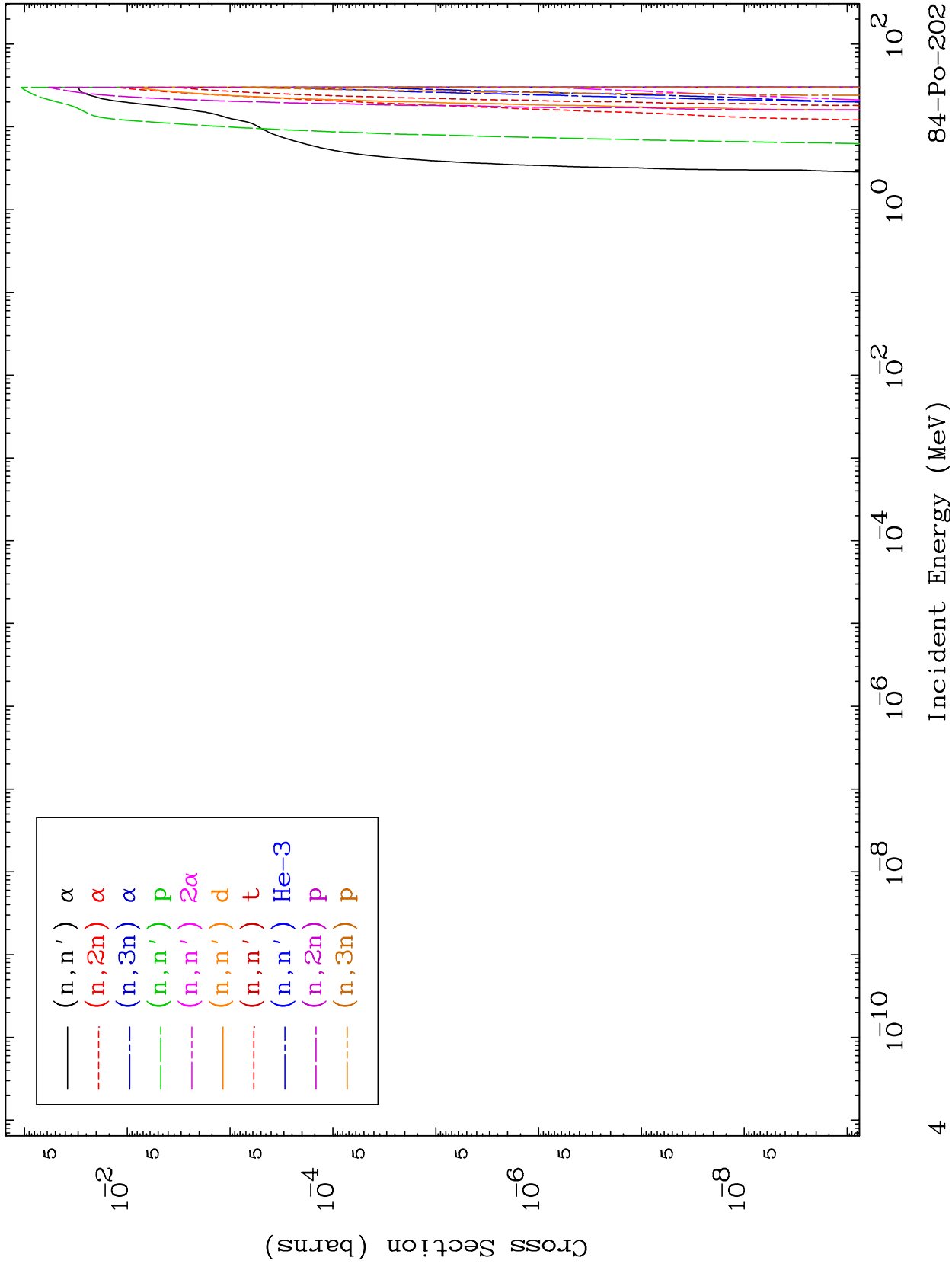
Incident Energy (MeV)

84-Po-202

MAT 8413

Charged Particle
293 Kelvin Cross Sections

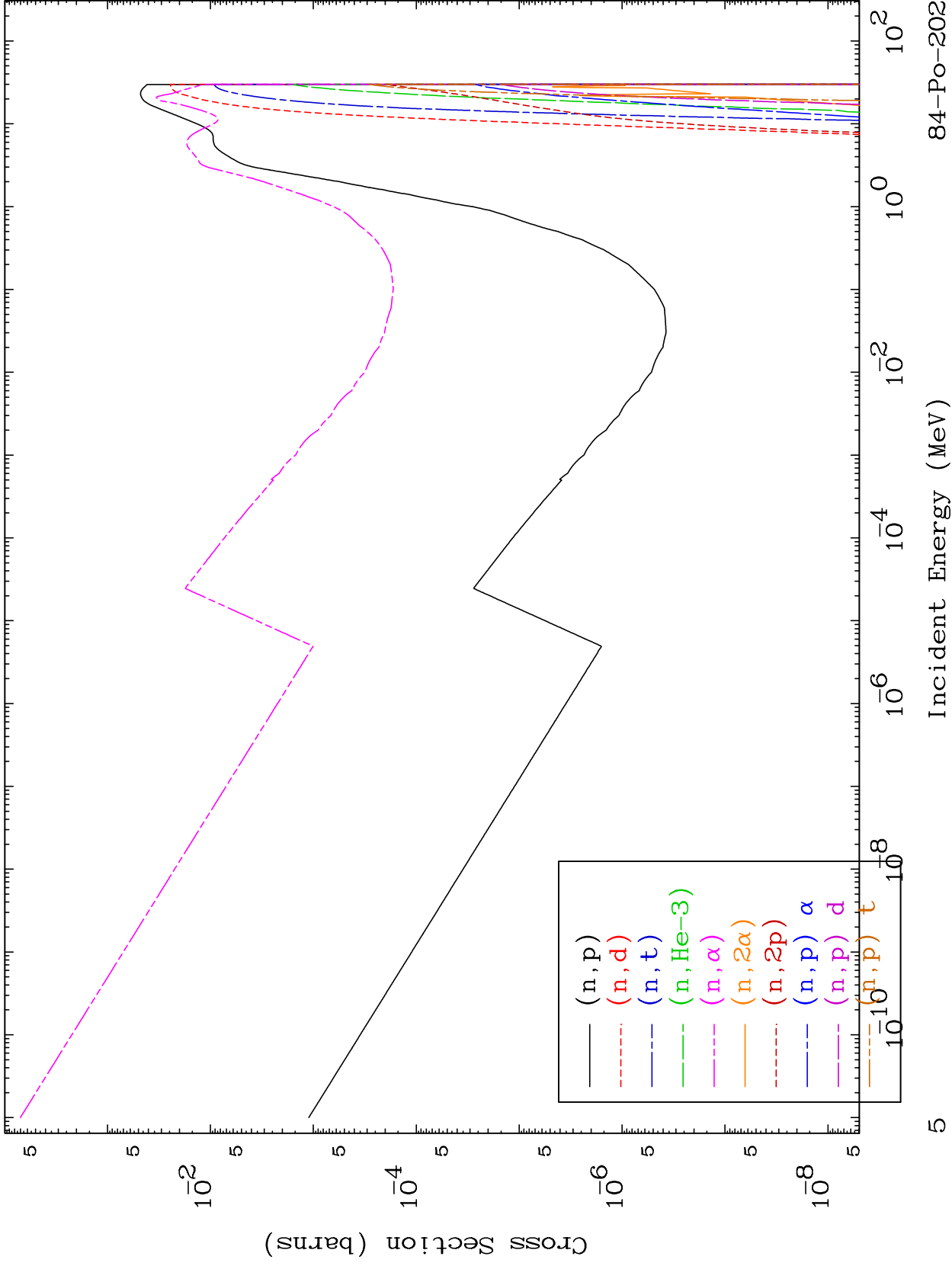
84-Po-202



MAT 8413

Charged Particle
293 Kelvin Cross Sections

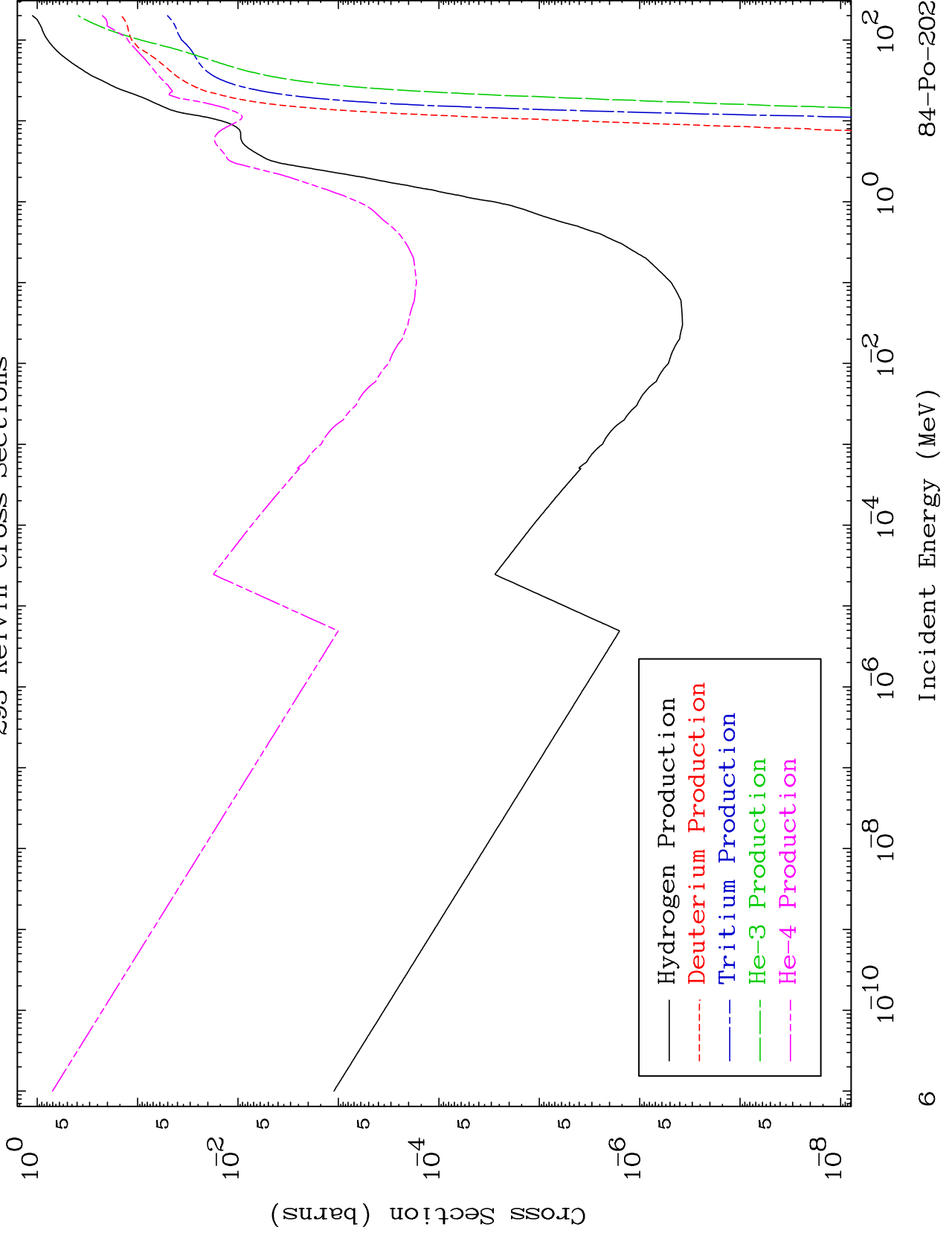
84-Po-202



MAT 8413

Particle Production
293 Kelvin Cross Sections

84-Po-202

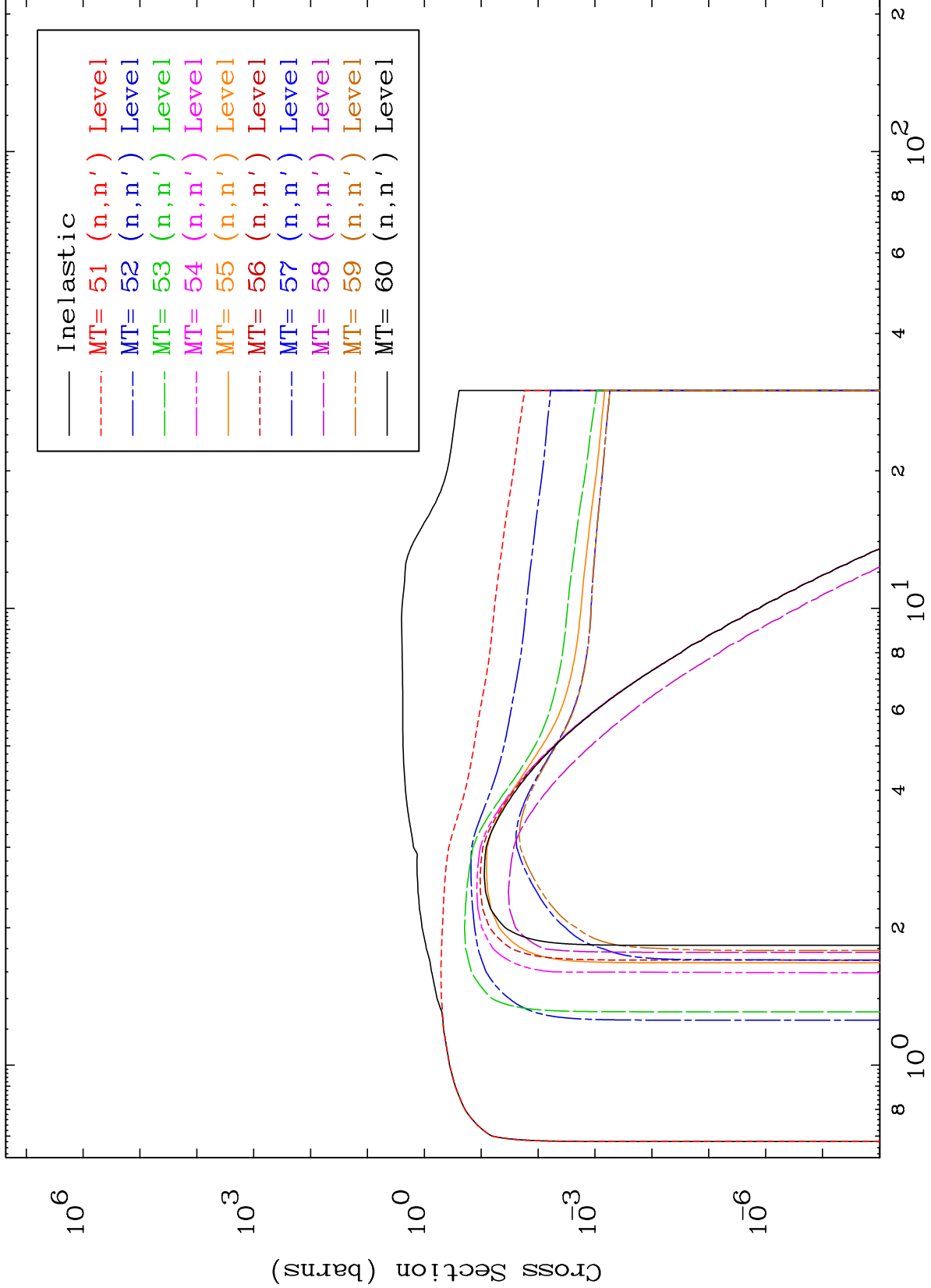


MAT 8413

(n,n') Level

84-Po-202

293 Kelvin Cross Sections

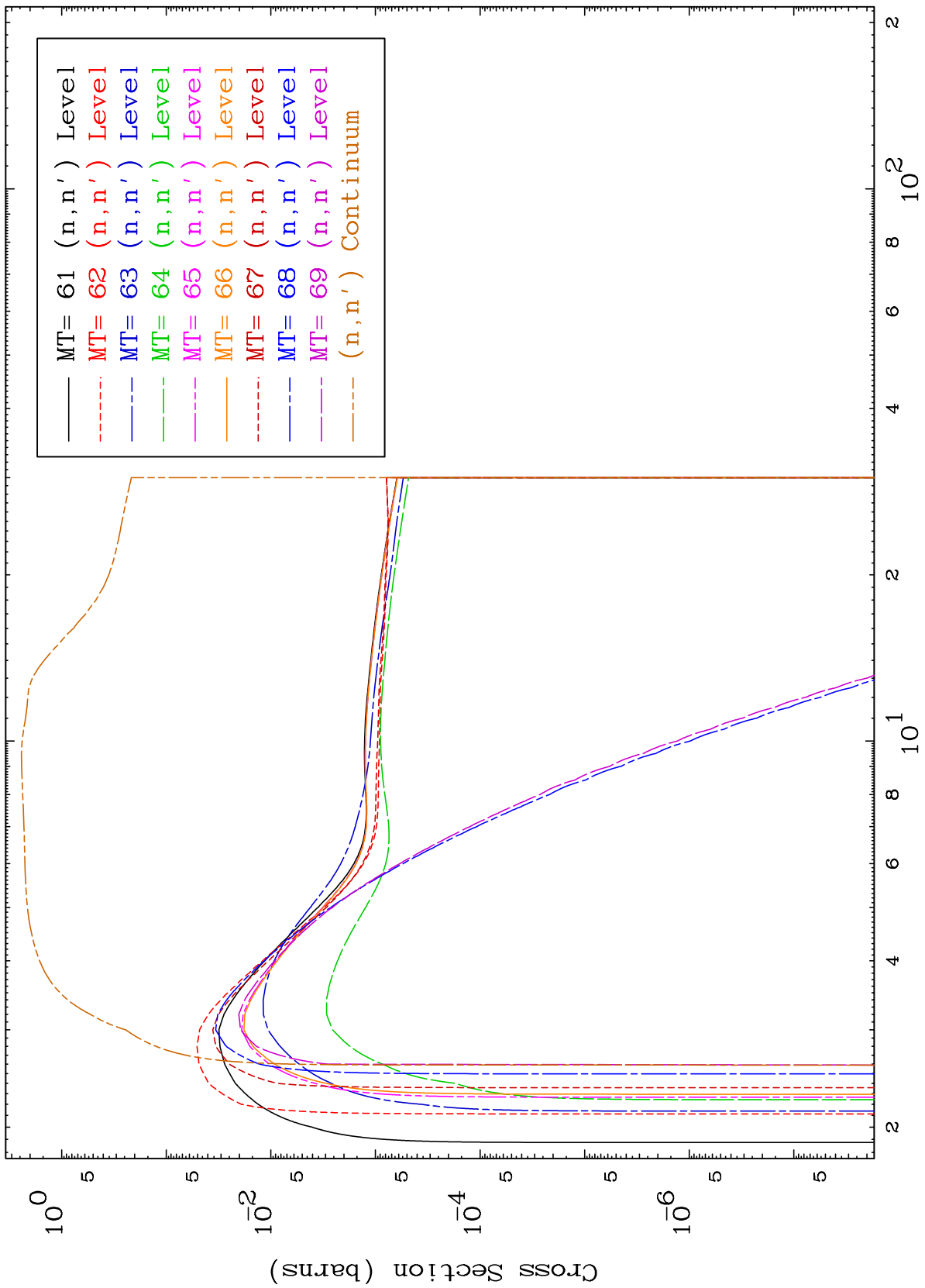


MAT 8413

(n,n') Level

84-Po-202

293 Kelvin Cross Sections



8

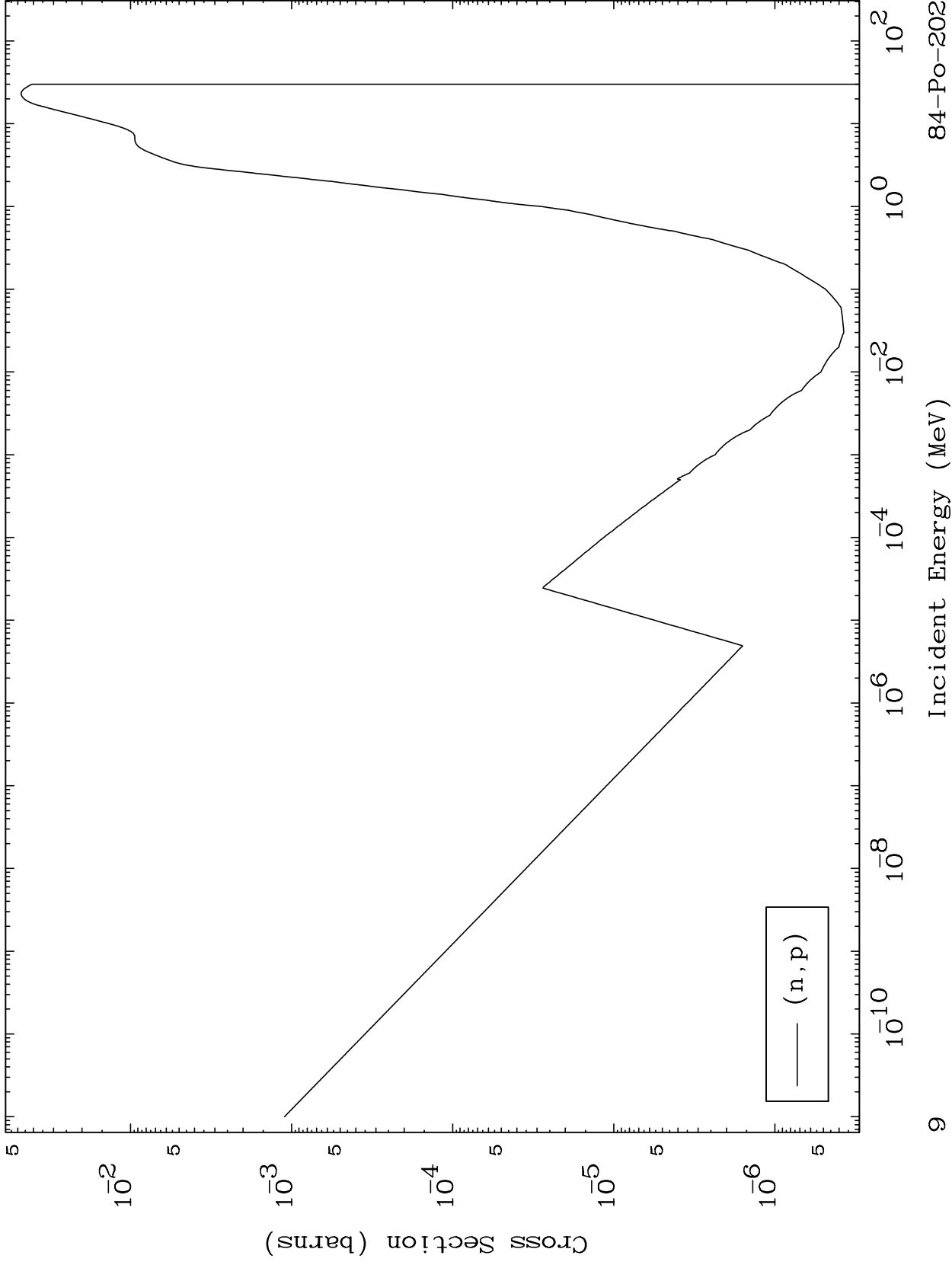
Incident Energy (MeV)

84-Po-202

MAT 8413

(n,p) Levels
293 Kelvin Cross Sections

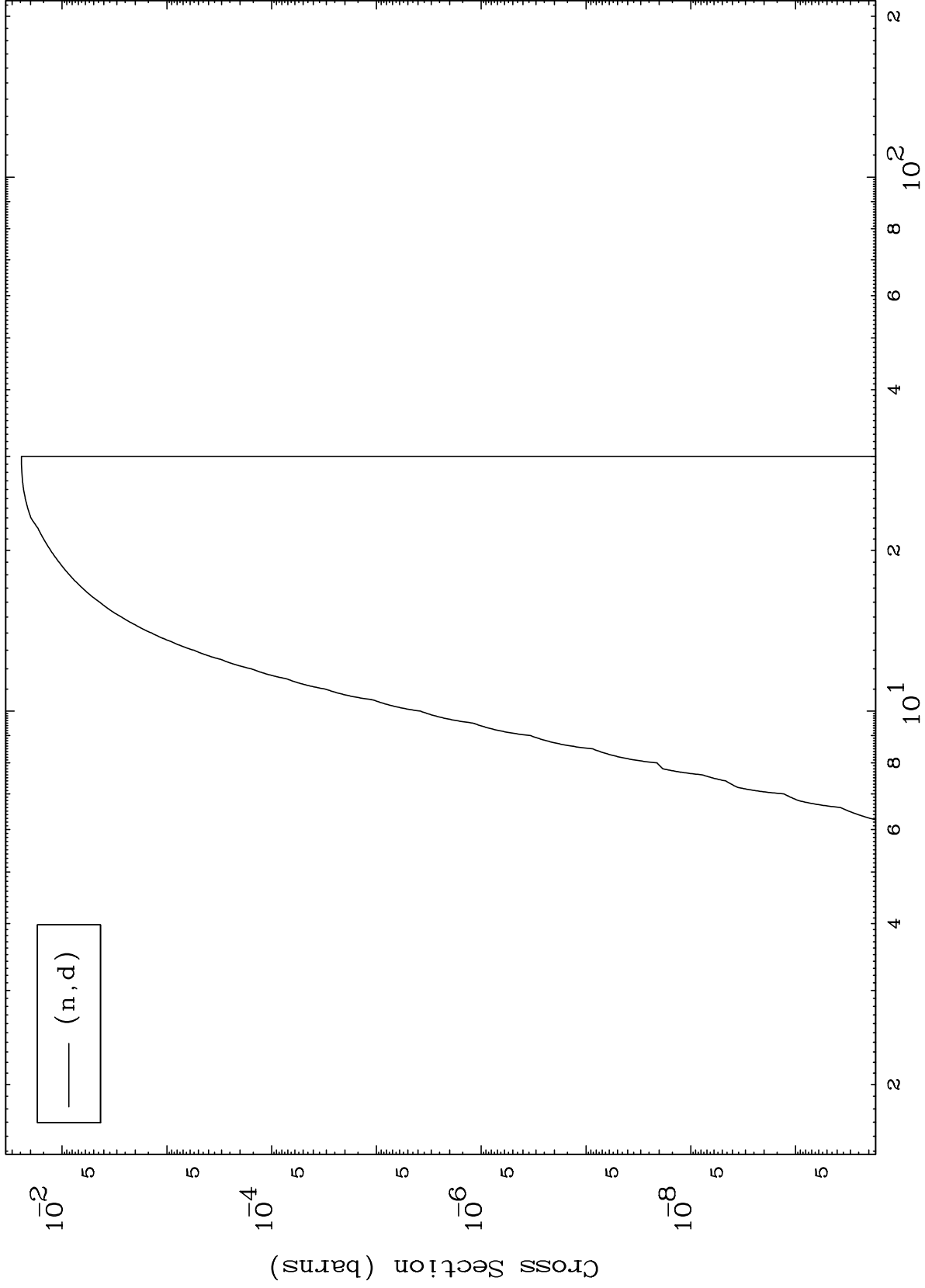
84-Po-202



MAT 8413

(n,d) Levels
293 Kelvin Cross Sections

84-Po-202



10

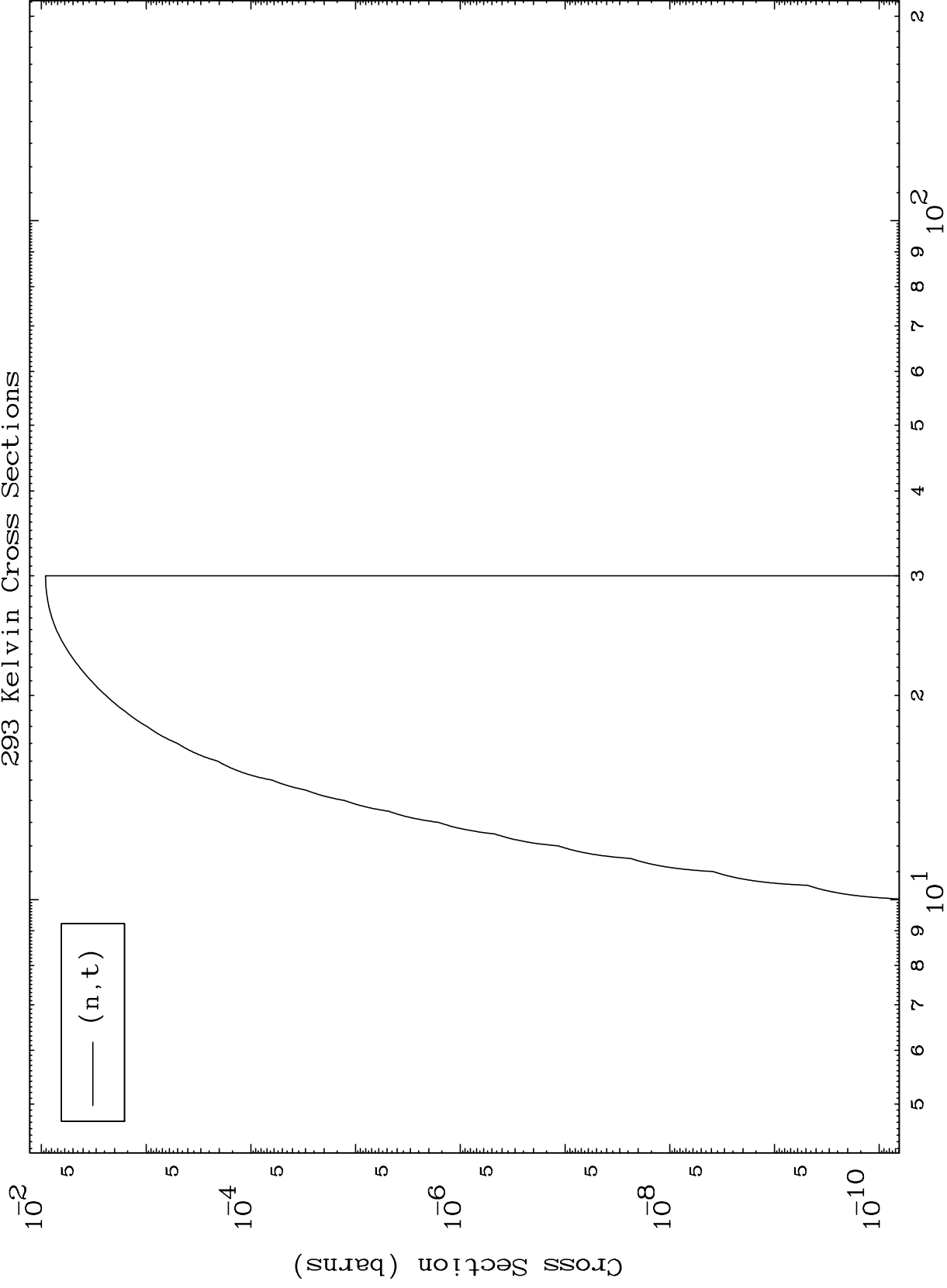
Incident Energy (MeV)

84-Po-202

MAT 8413

(n,t) Levels
293 Kelvin Cross Sections

84-Po-202



11

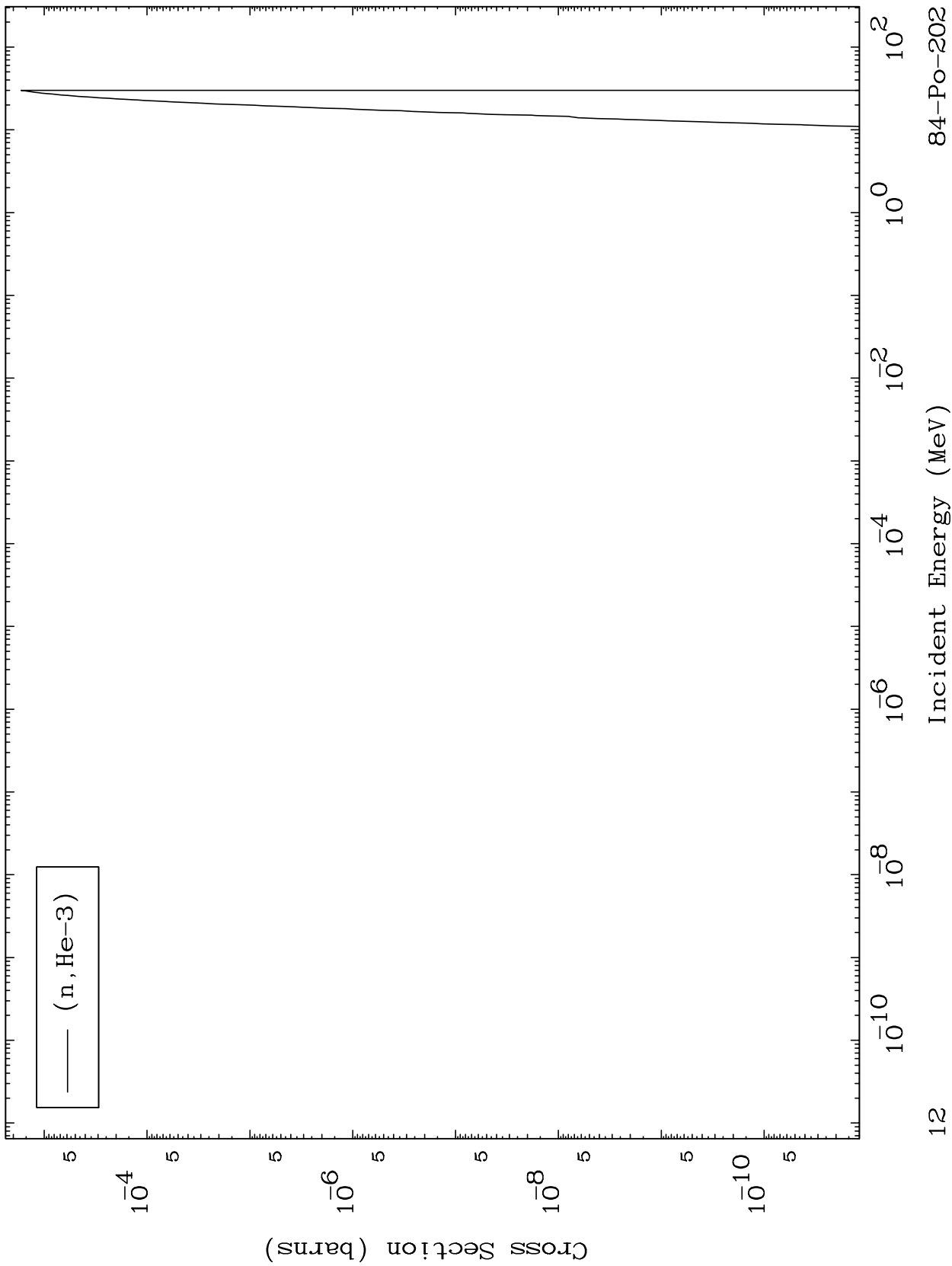
Incident Energy (MeV)

84-Po-202

MAT 8413

(n,He3) Levels
293 Kelvin Cross Sections

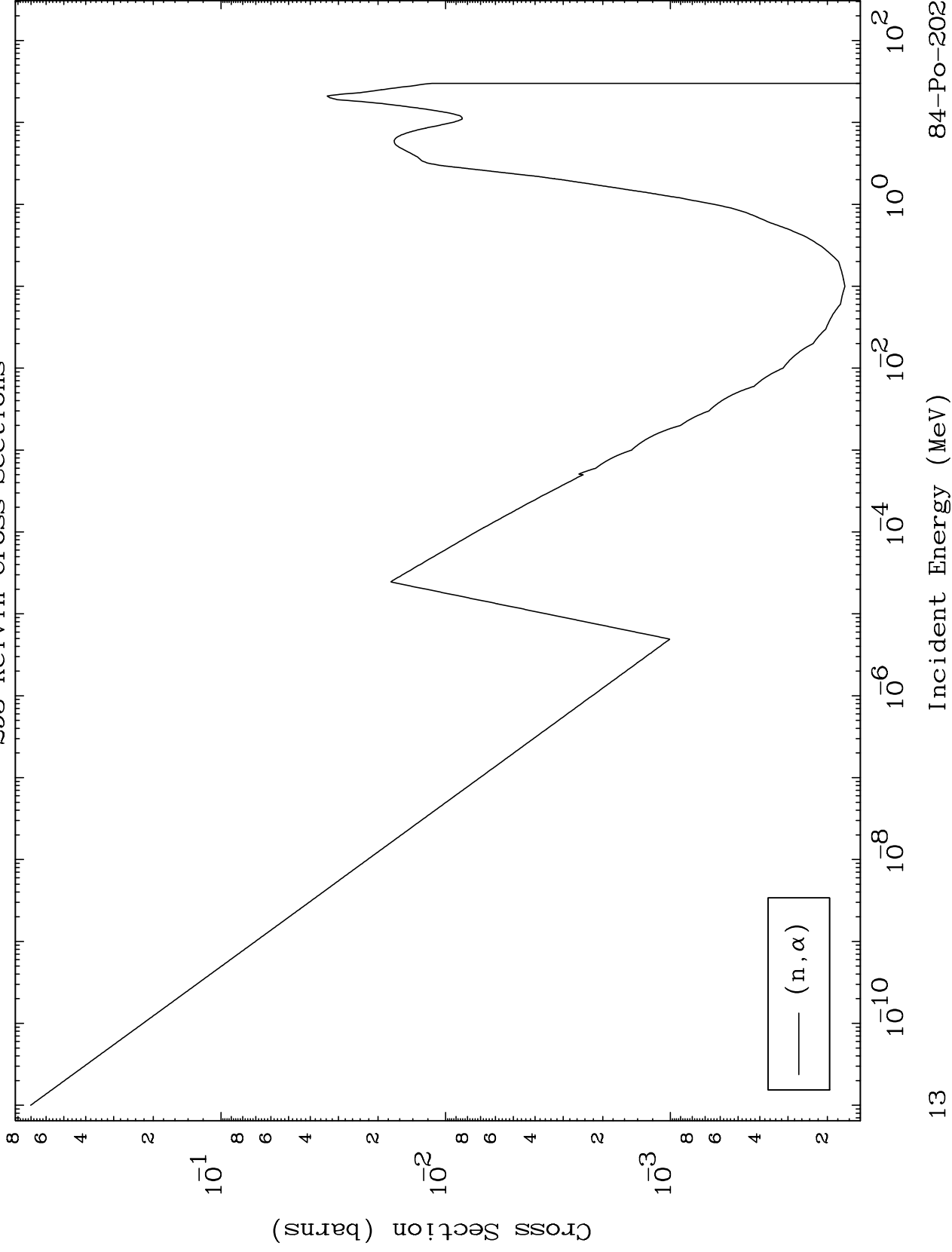
84-Po-202



MAT 8413

(n,α) Levels
293 Kelvin Cross Sections

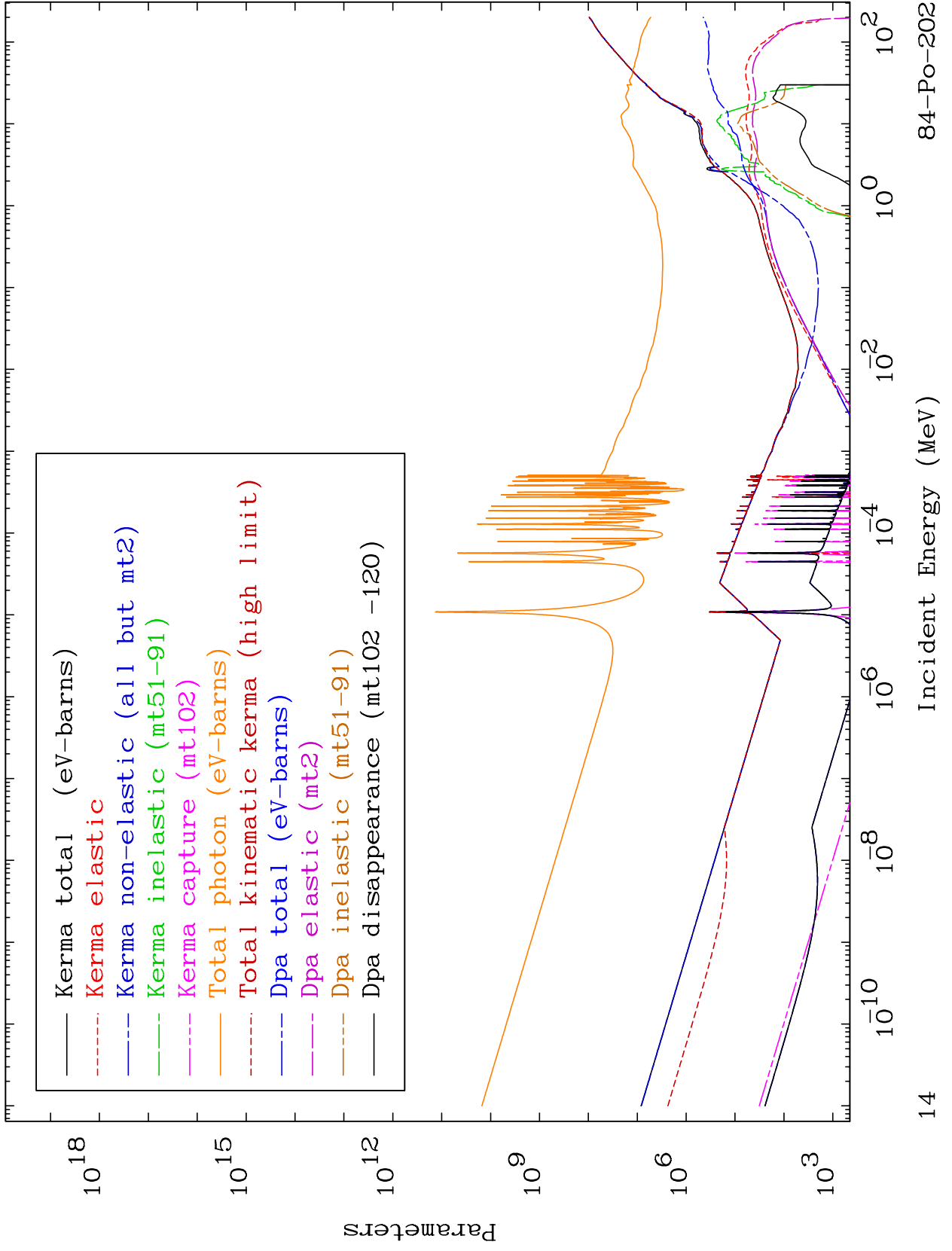
84-Po-202



13

Incident Energy (MeV)

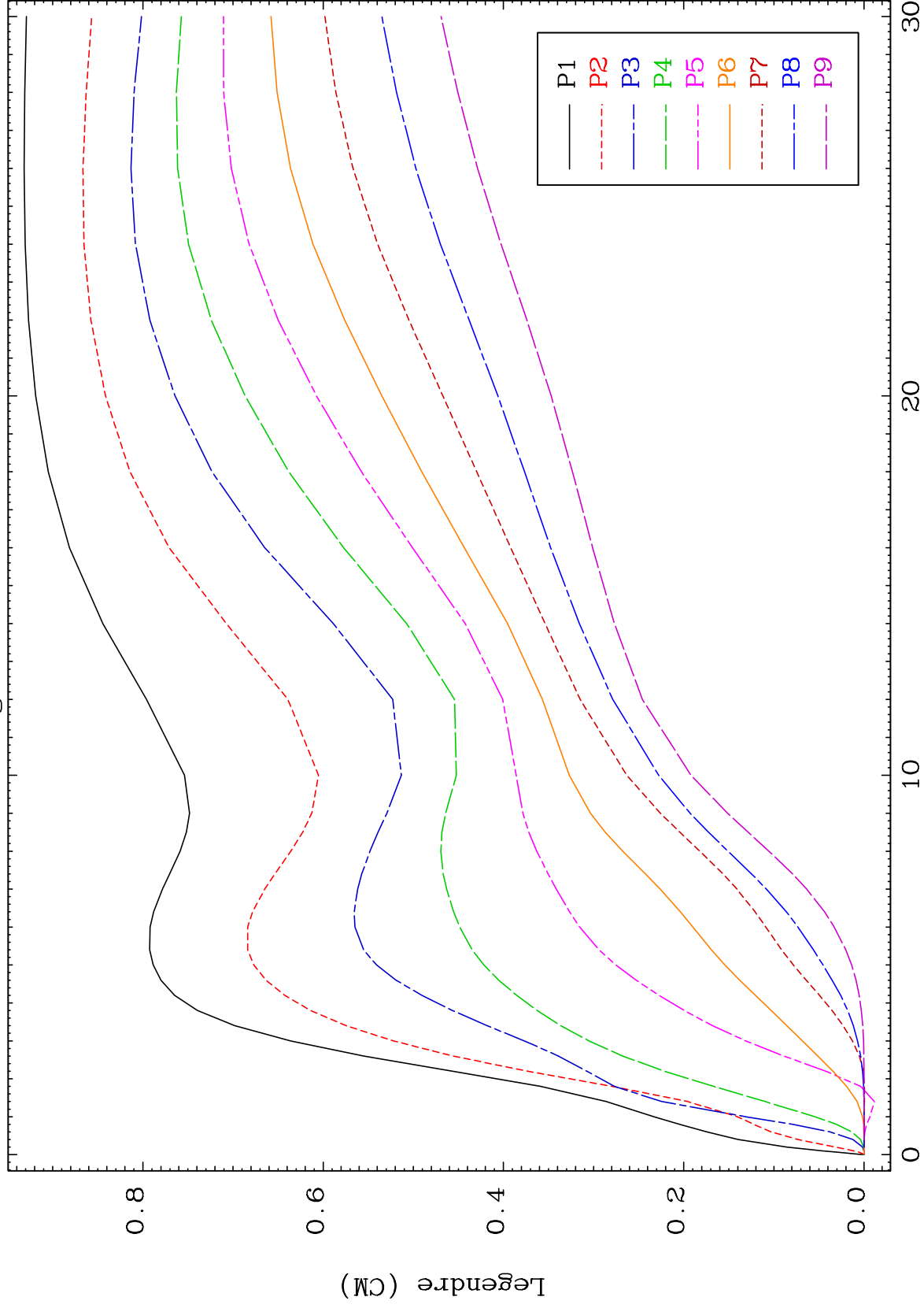
84-Po-202



MAT 8413

Elastic Legendre Coefficients

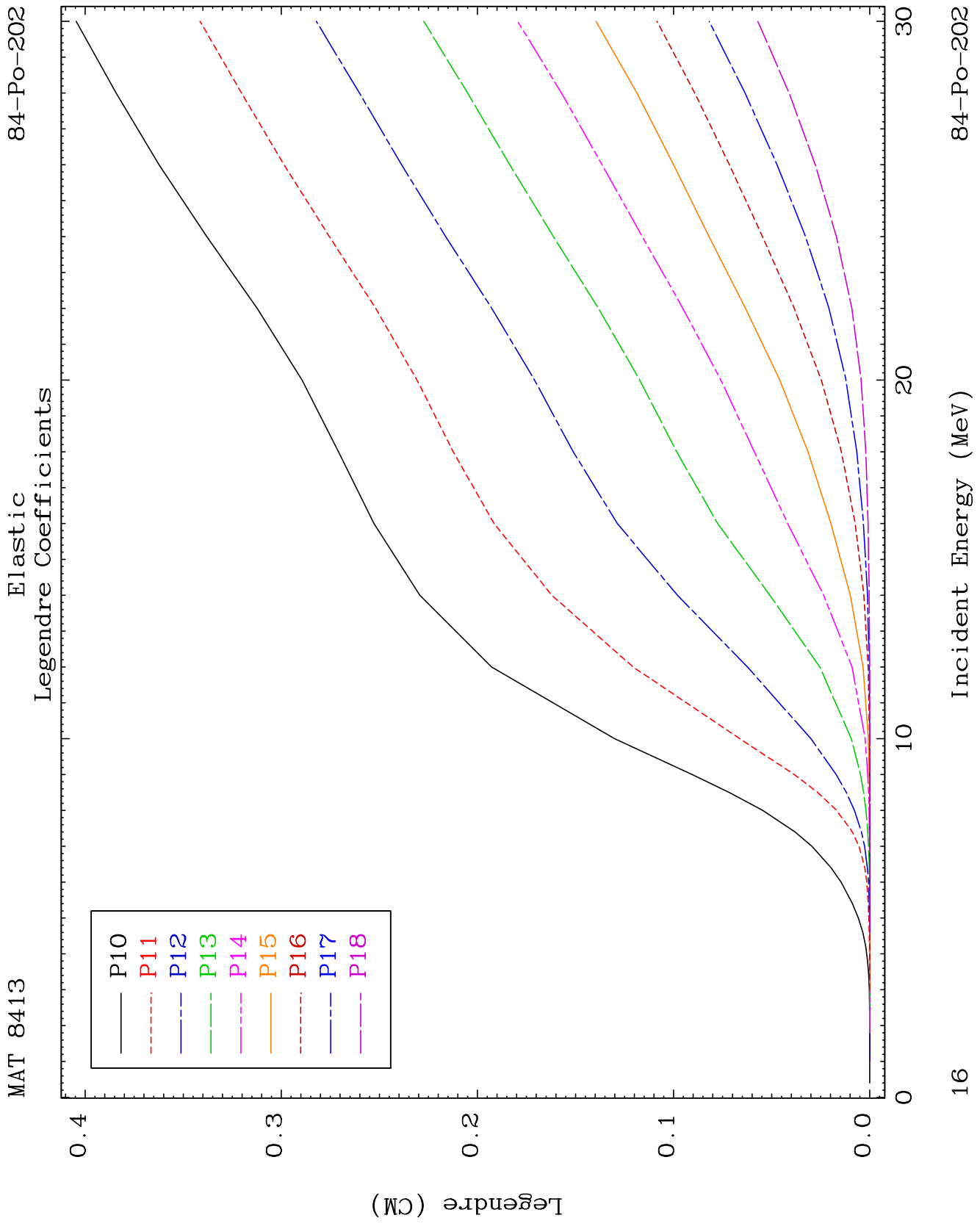
84-Po-202



15

Incident Energy (MeV)

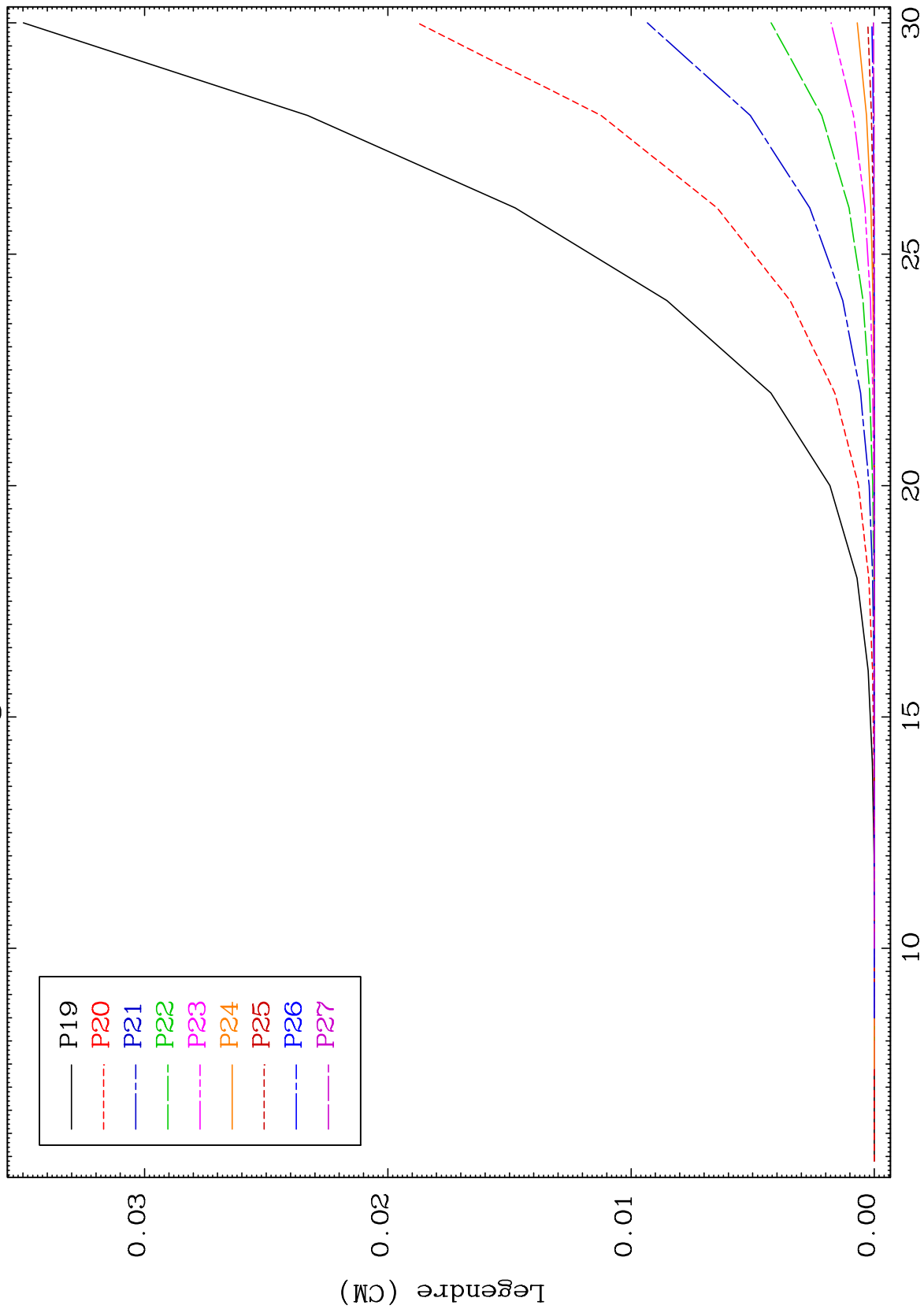
84-Po-202



MAT 8413

Elastic Legendre Coefficients

84-Po-202



17

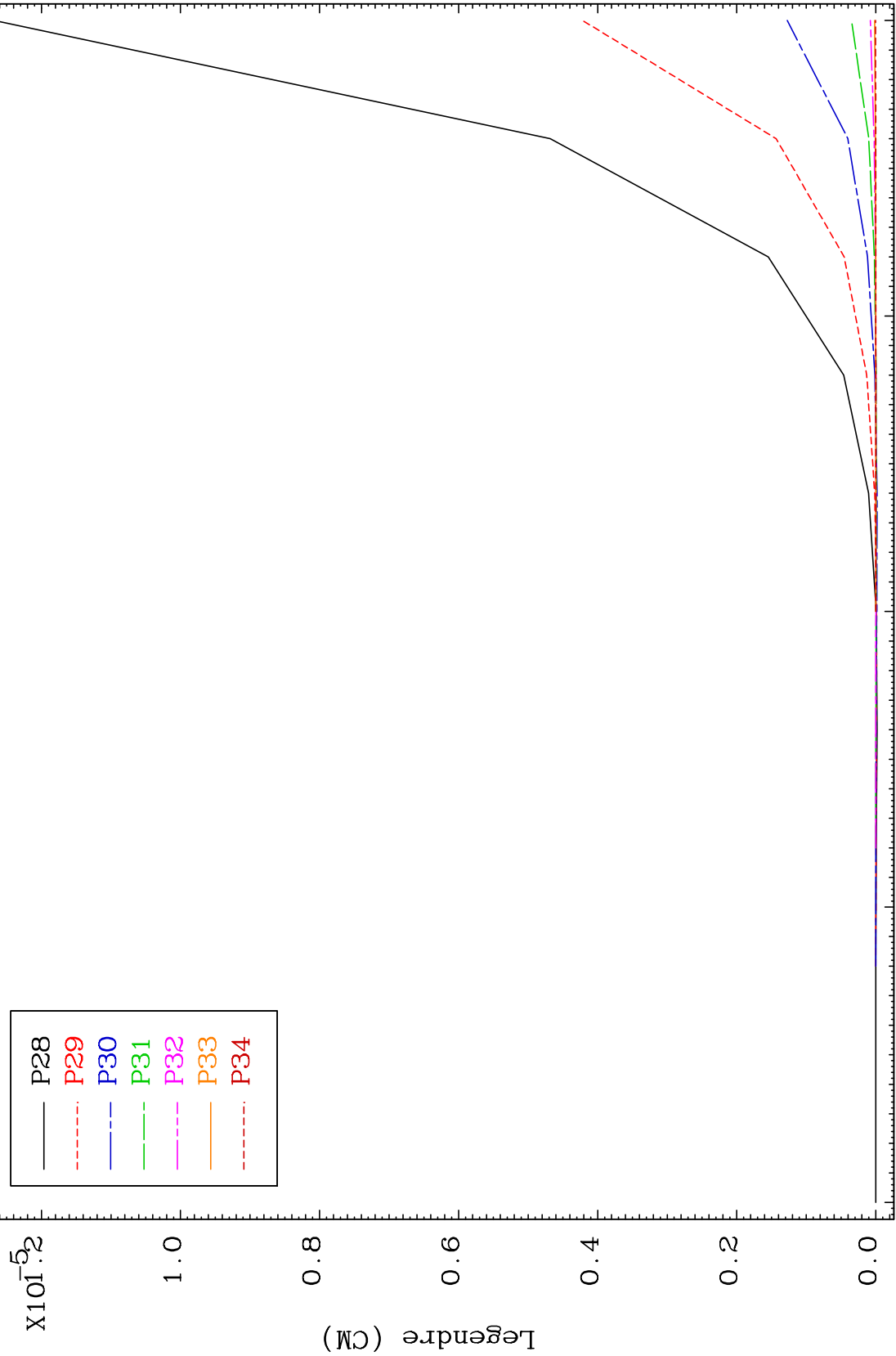
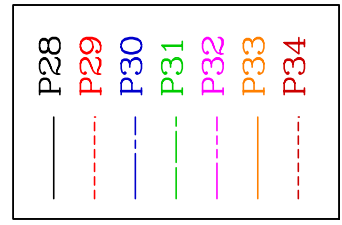
Incident Energy (MeV)

84-Po-202

MAT 8413

Elastic
Legendre Coefficients

84-Po-202



18

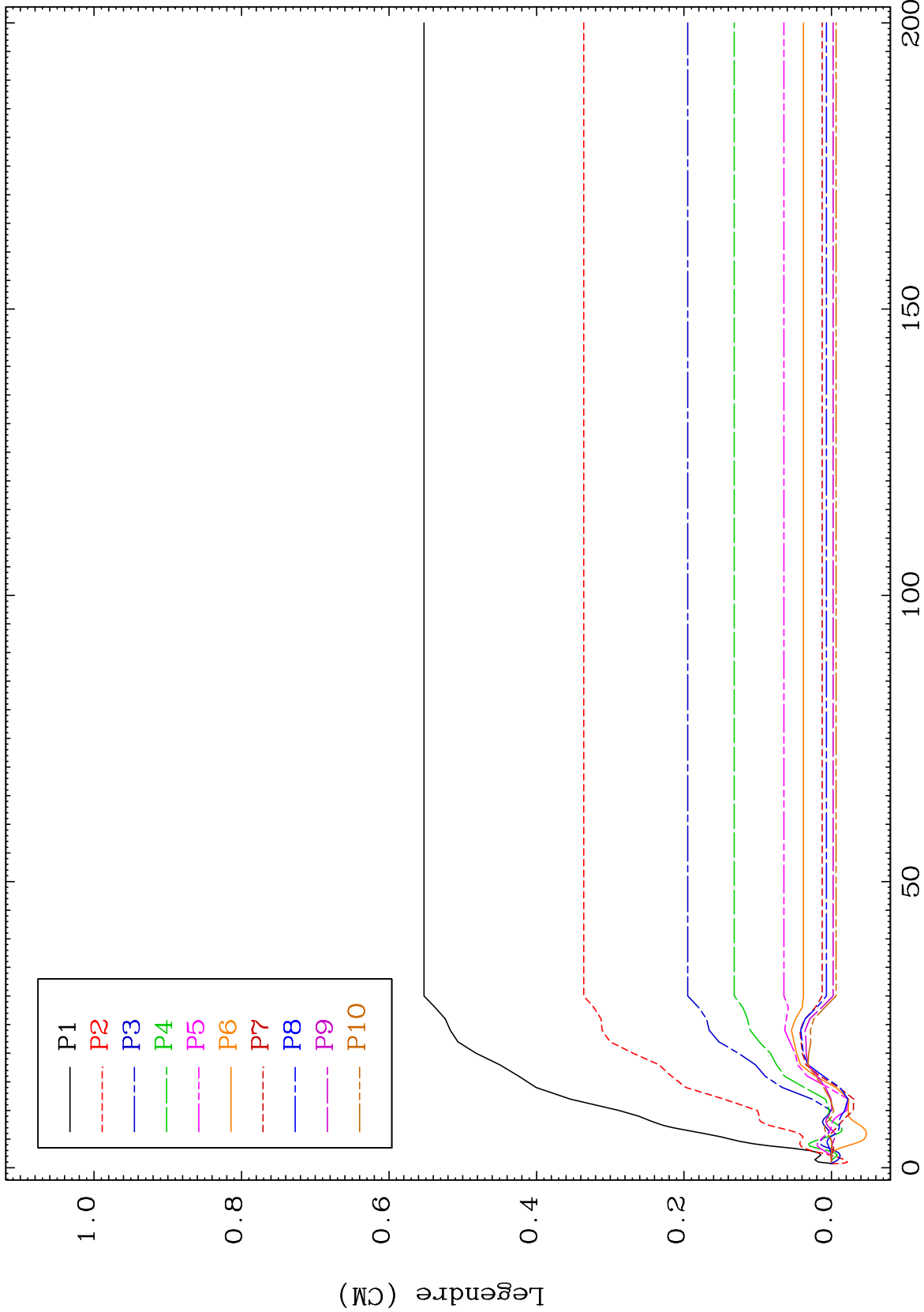
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



19

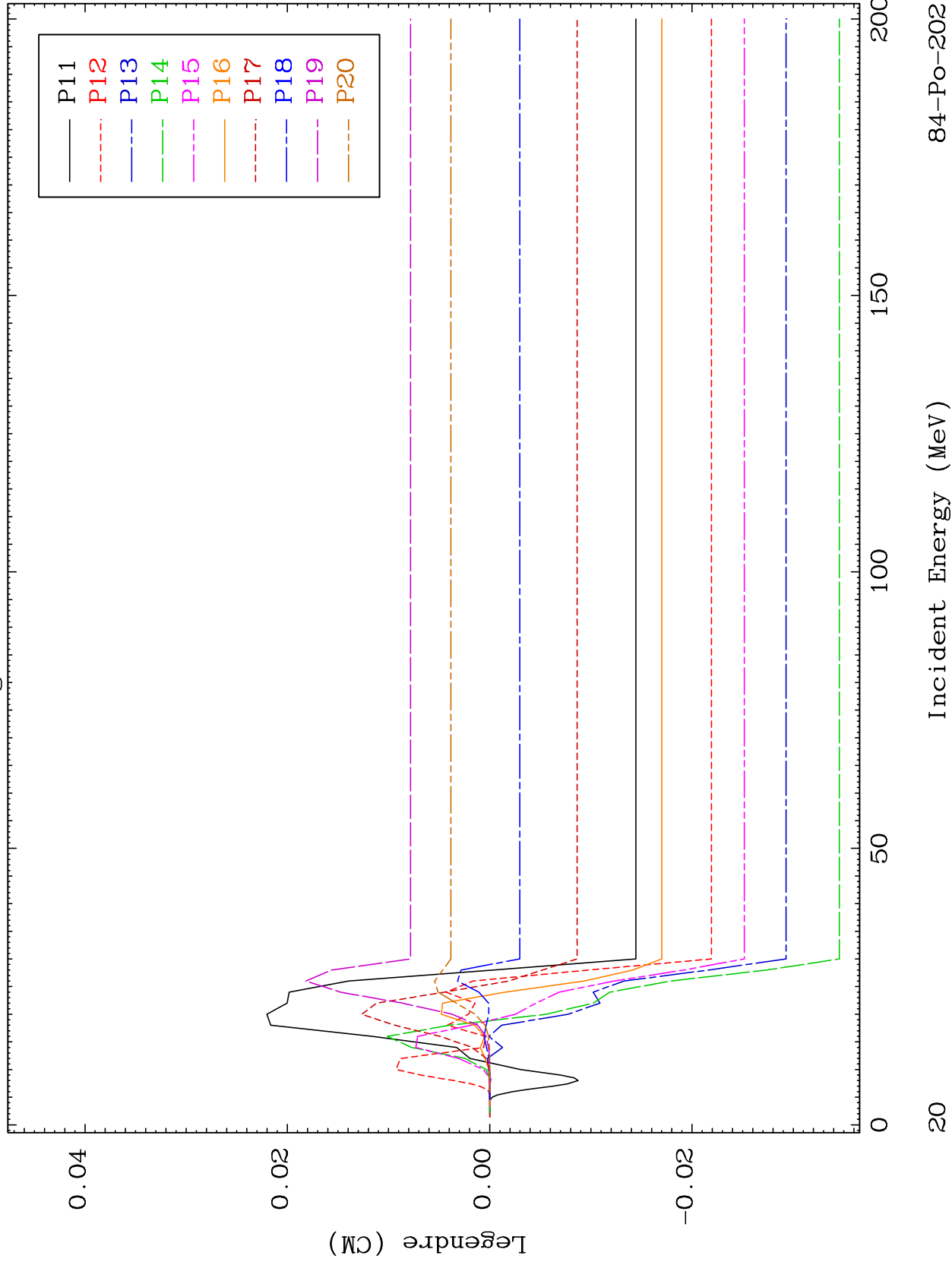
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



84-Po-202

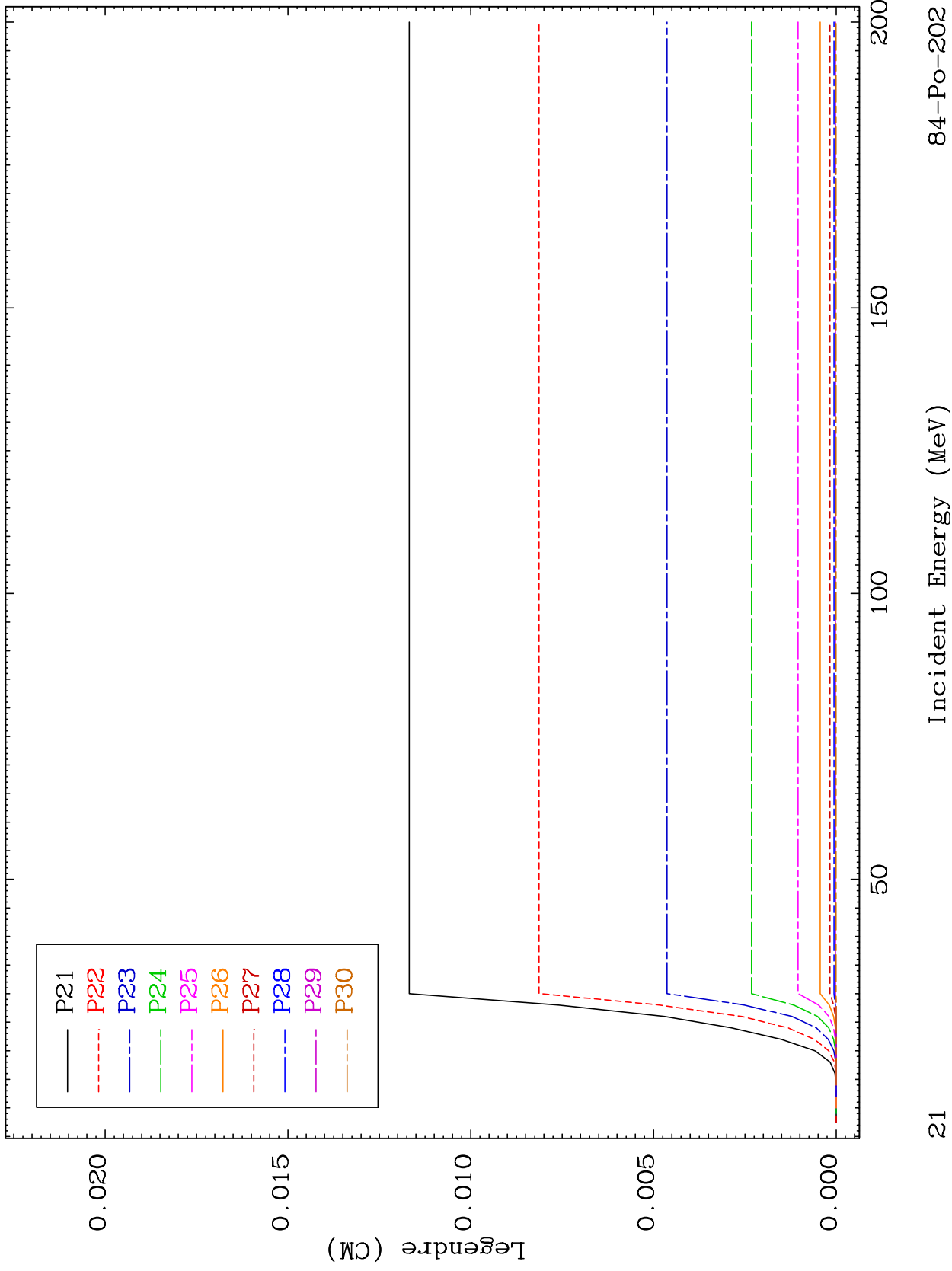
Incident Energy (MeV)

20

MAT 8413

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

84-Po-202



21

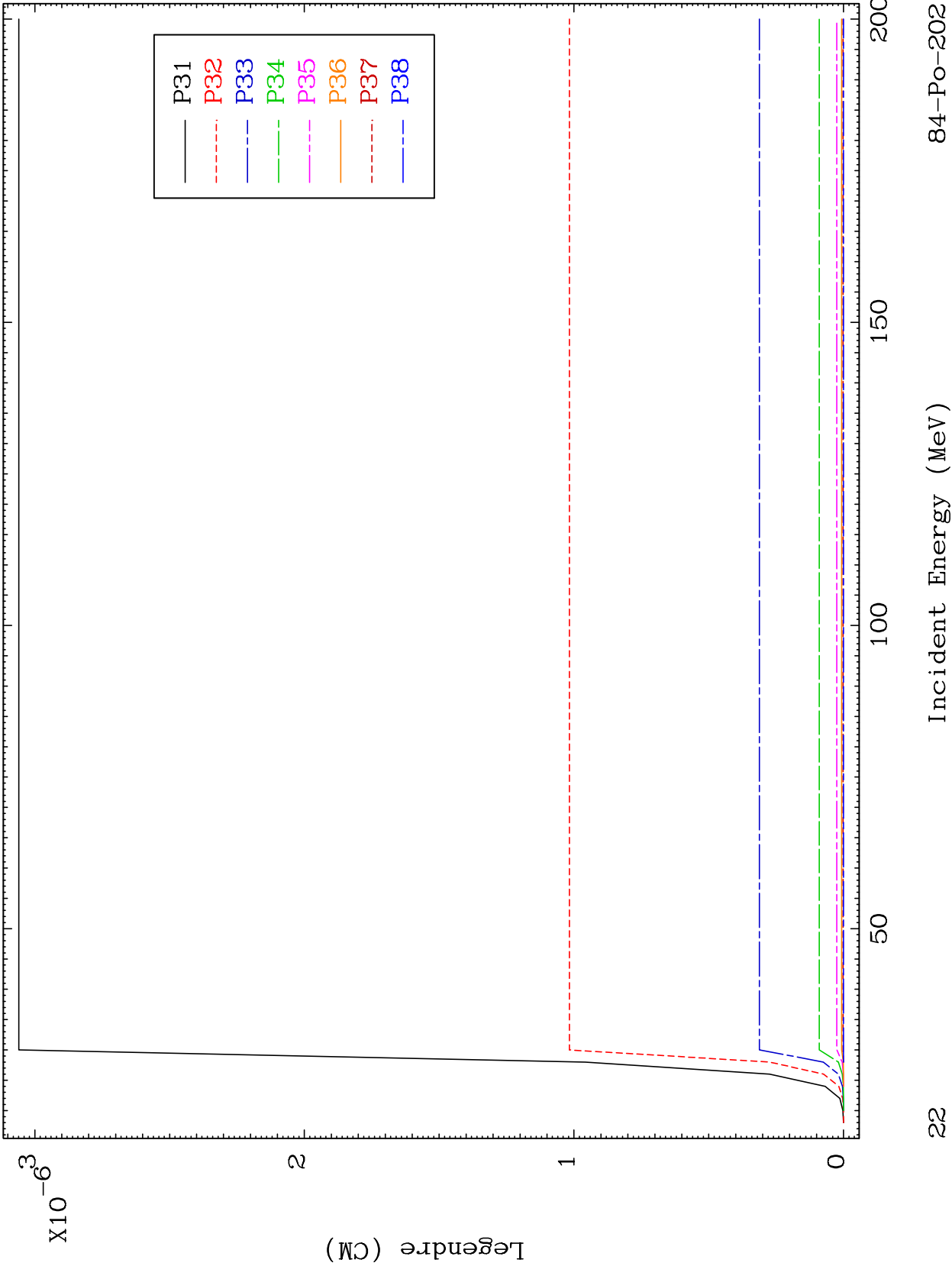
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



22

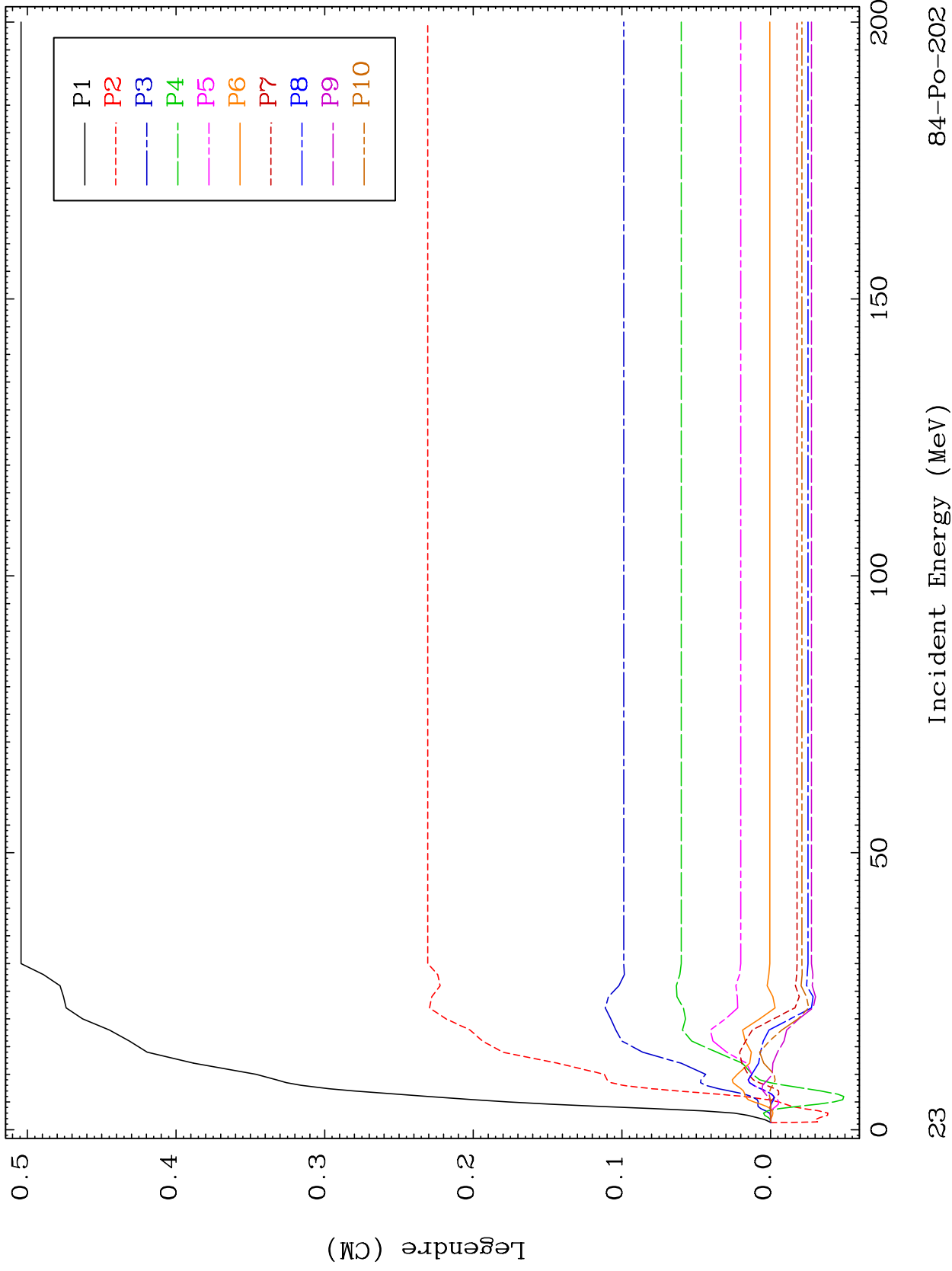
Incident Energy (MeV)

84-Po-202

MAT 8413

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

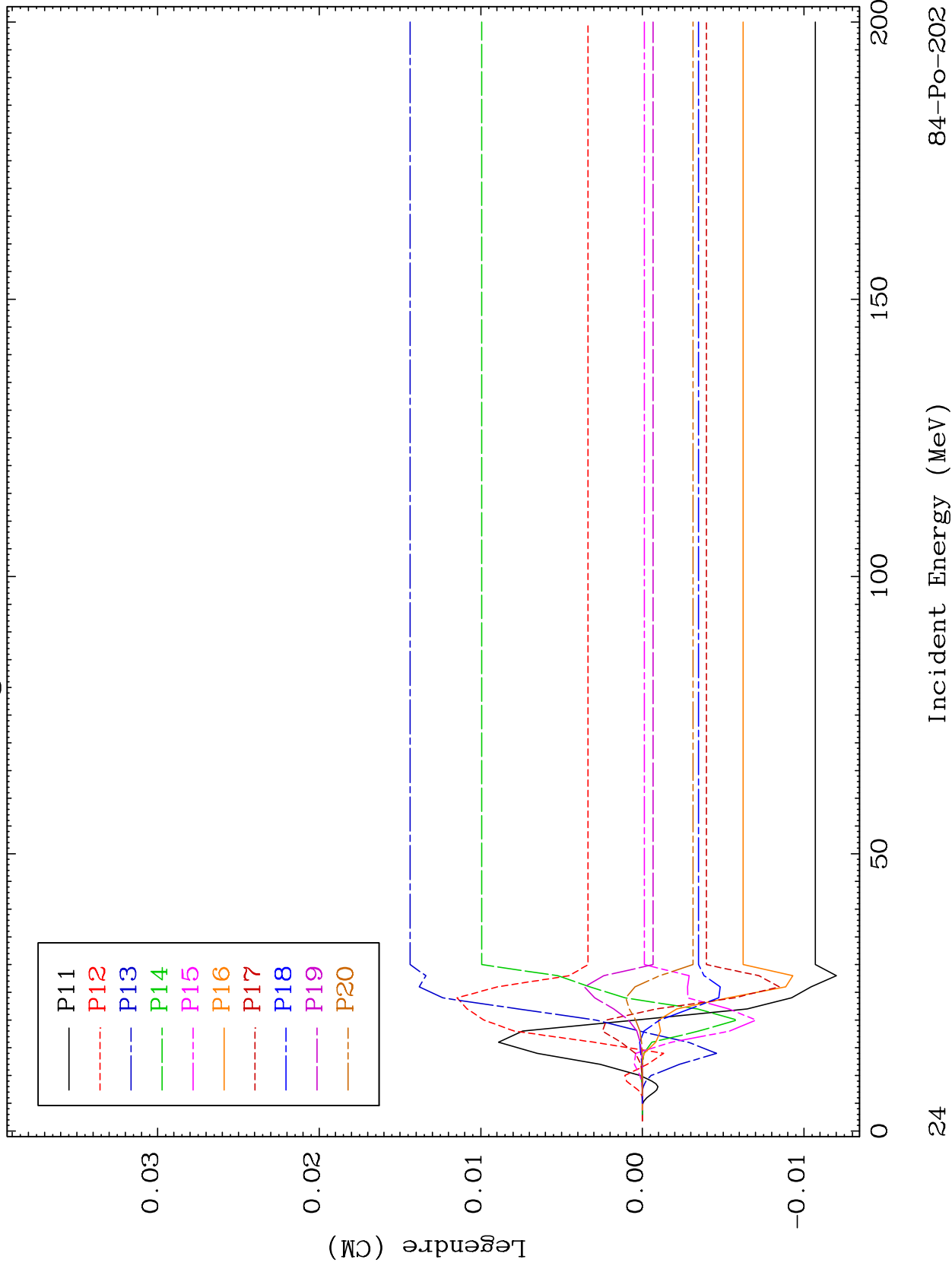
84-Po-202



MAT 8413

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

84-Po-202



24

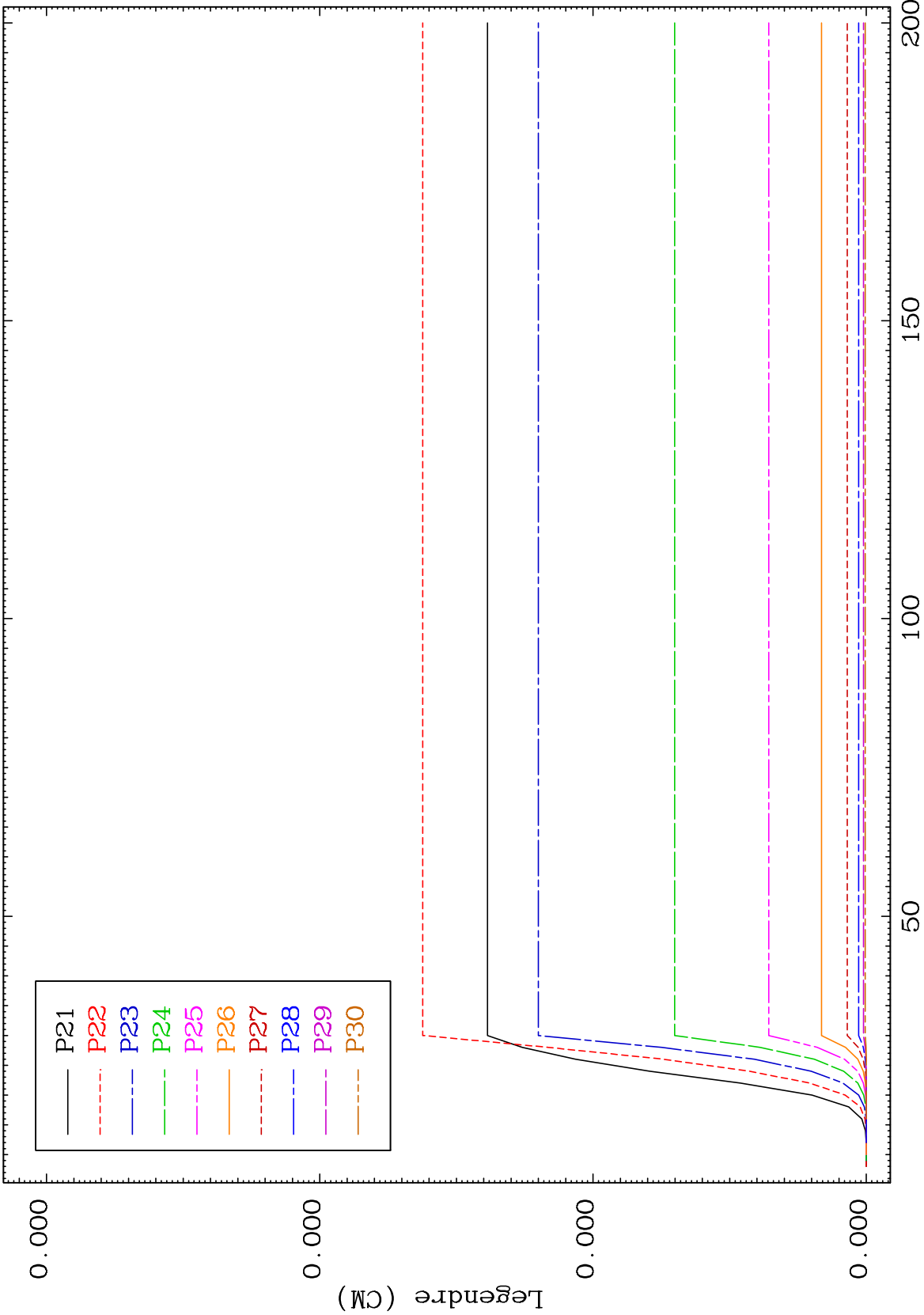
Incident Energy (MeV)

84-Po-202

MAT 8413

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

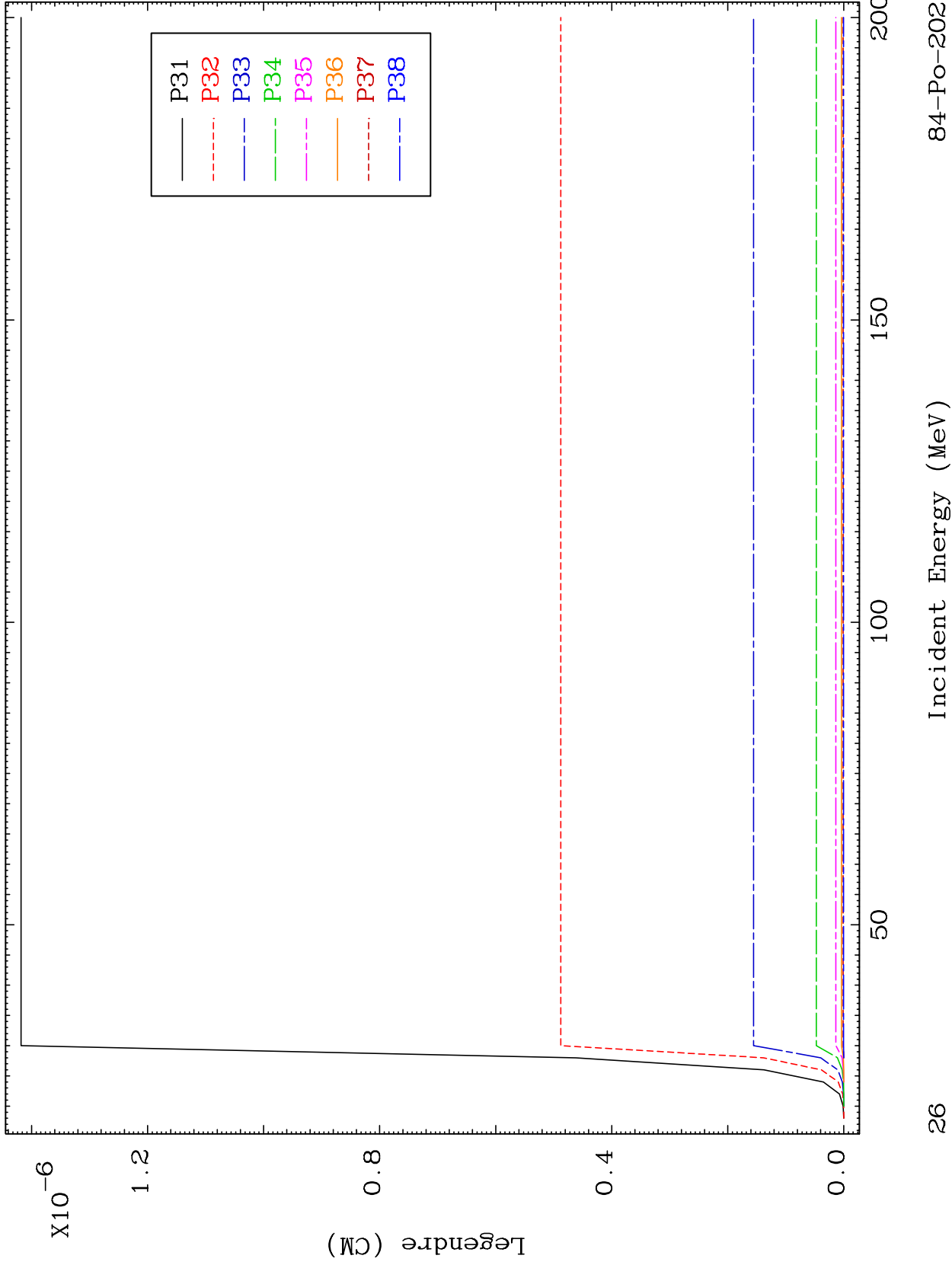
84-Po-202



25

Incident Energy (MeV)

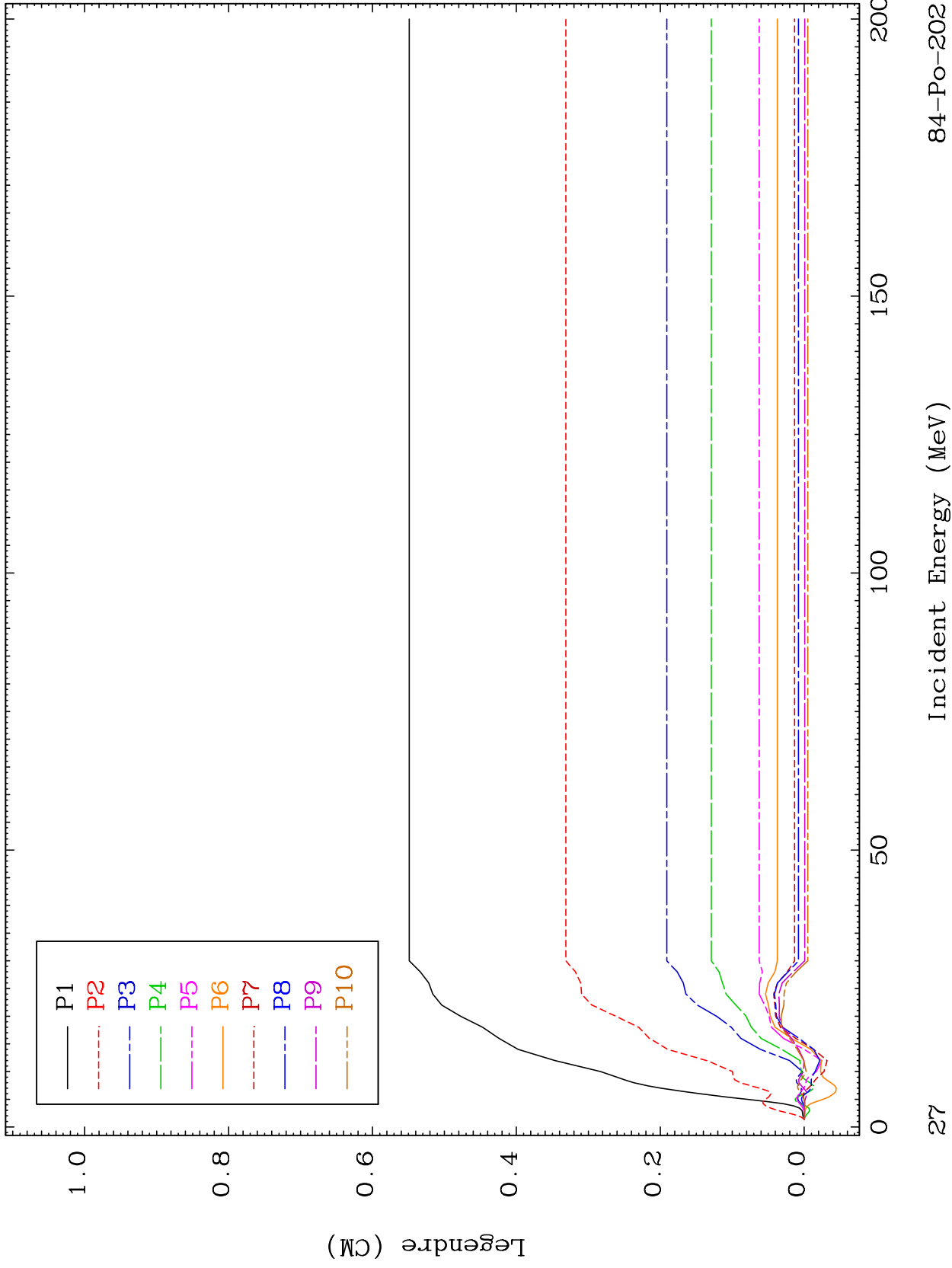
84-Po-202



MAT 8413

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

84-Po-202



27

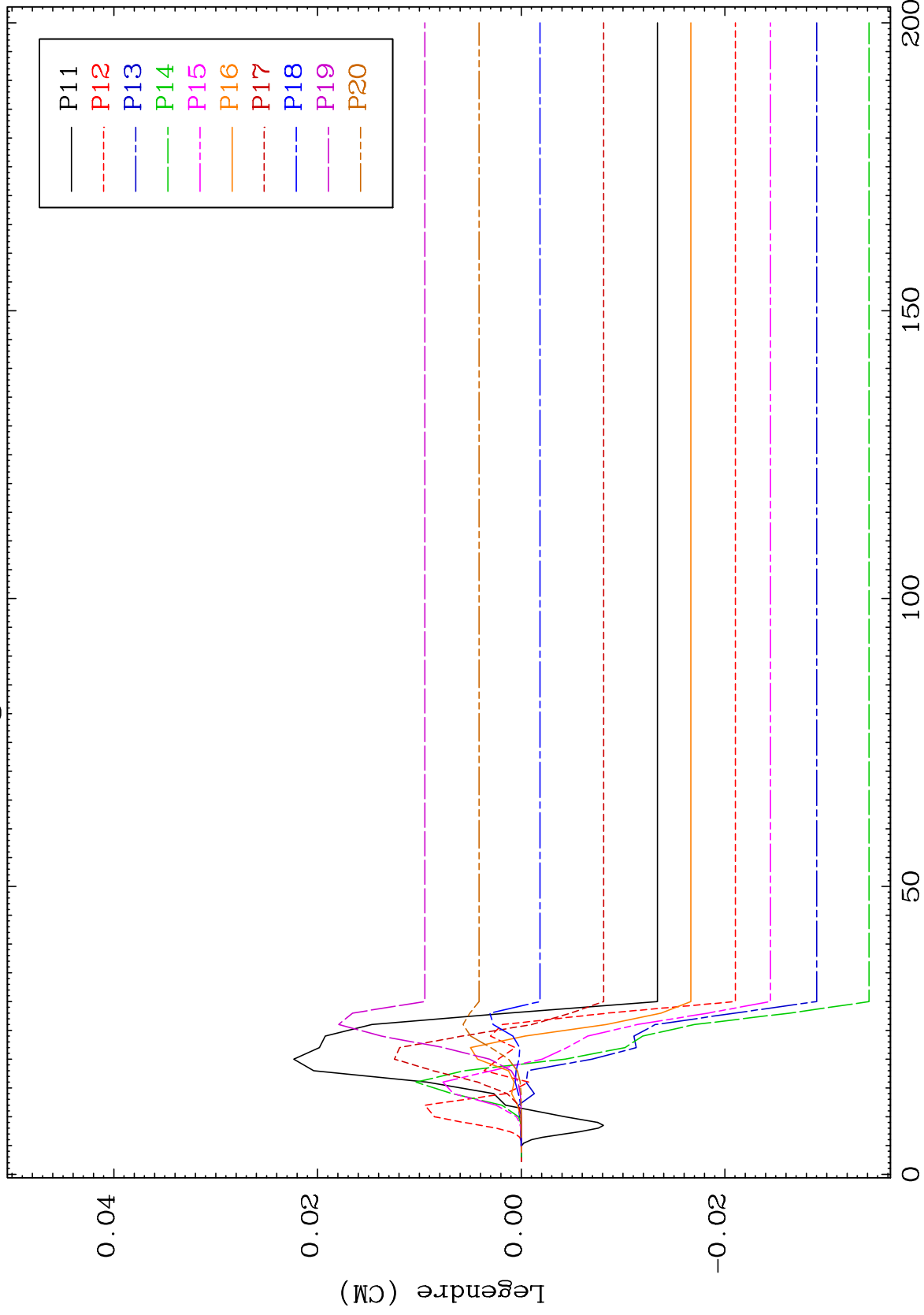
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



28

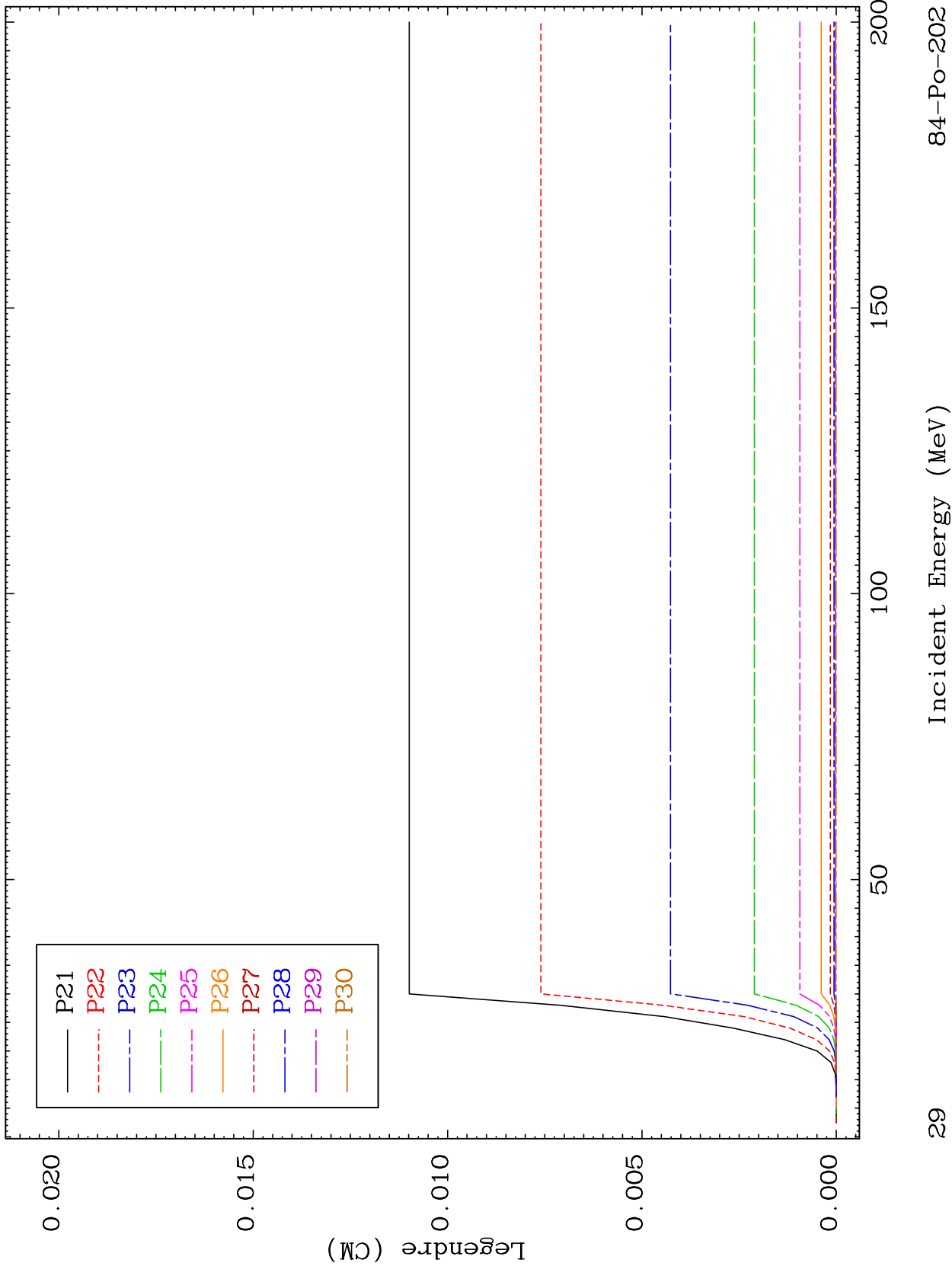
Incident Energy (MeV)

84-Po-202

MAT 8413

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

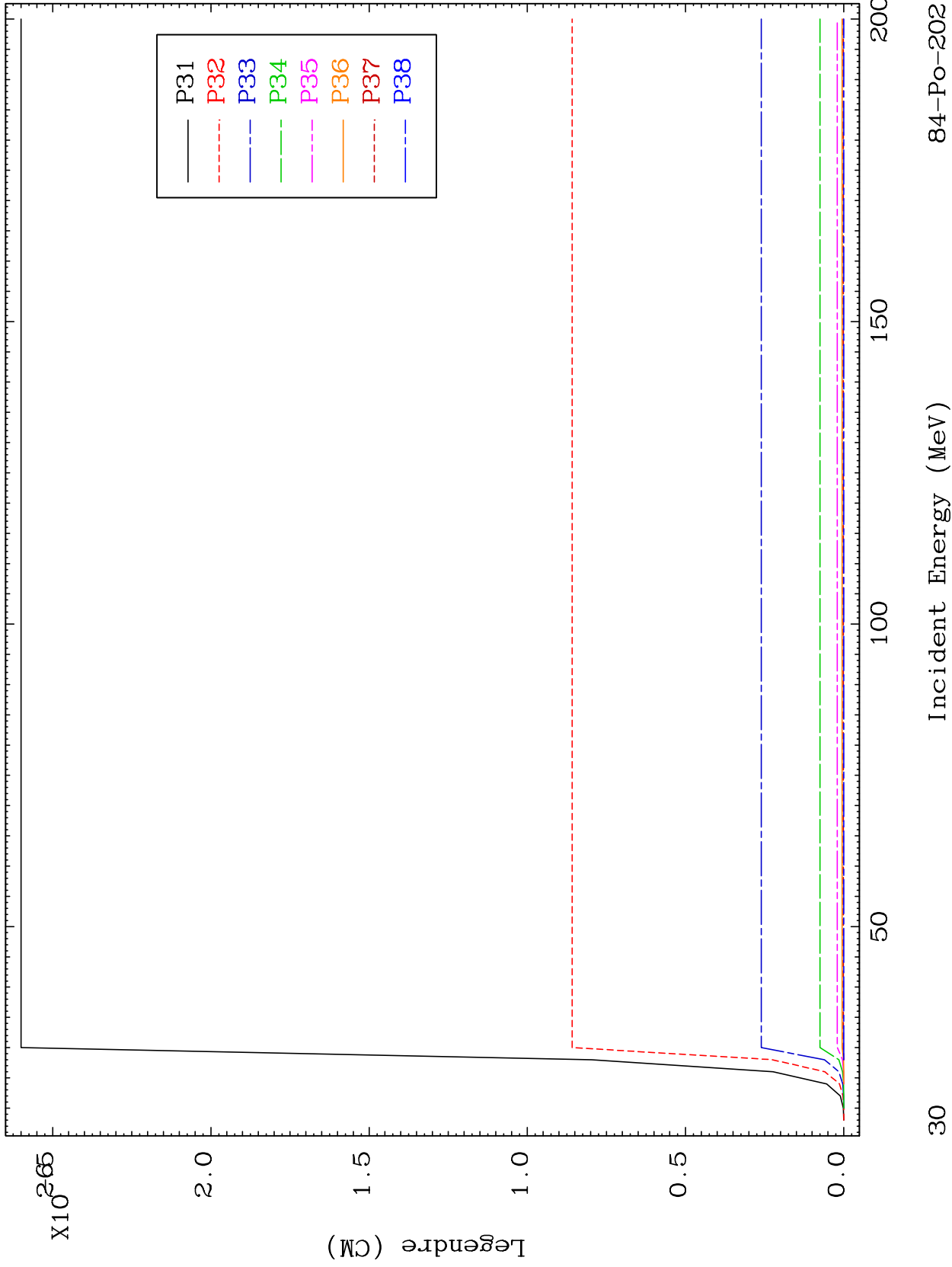
84-Po-202



MAT 8413

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

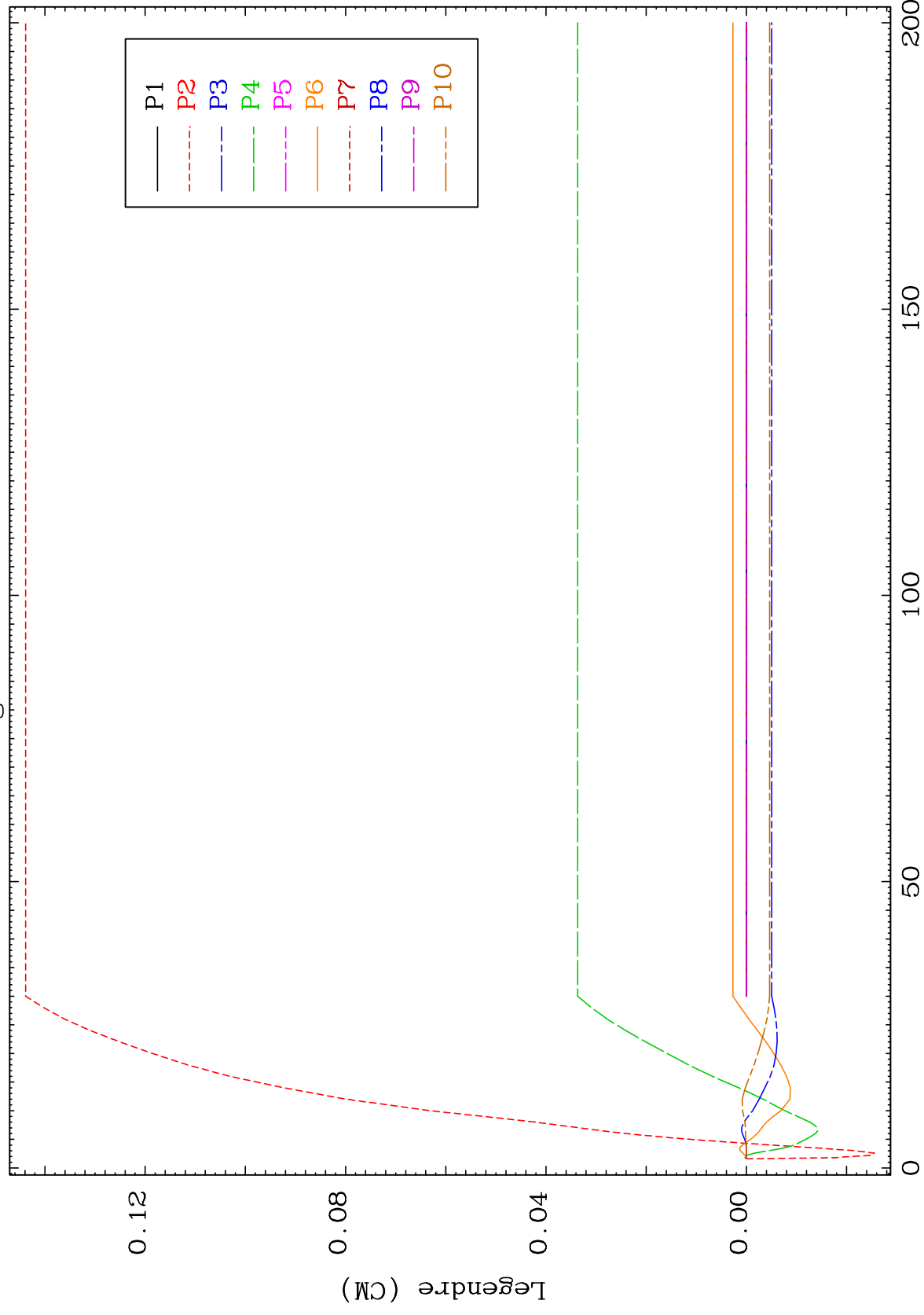
84-Po-202



MAT 8413

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

84-Po-202



84-Po-202

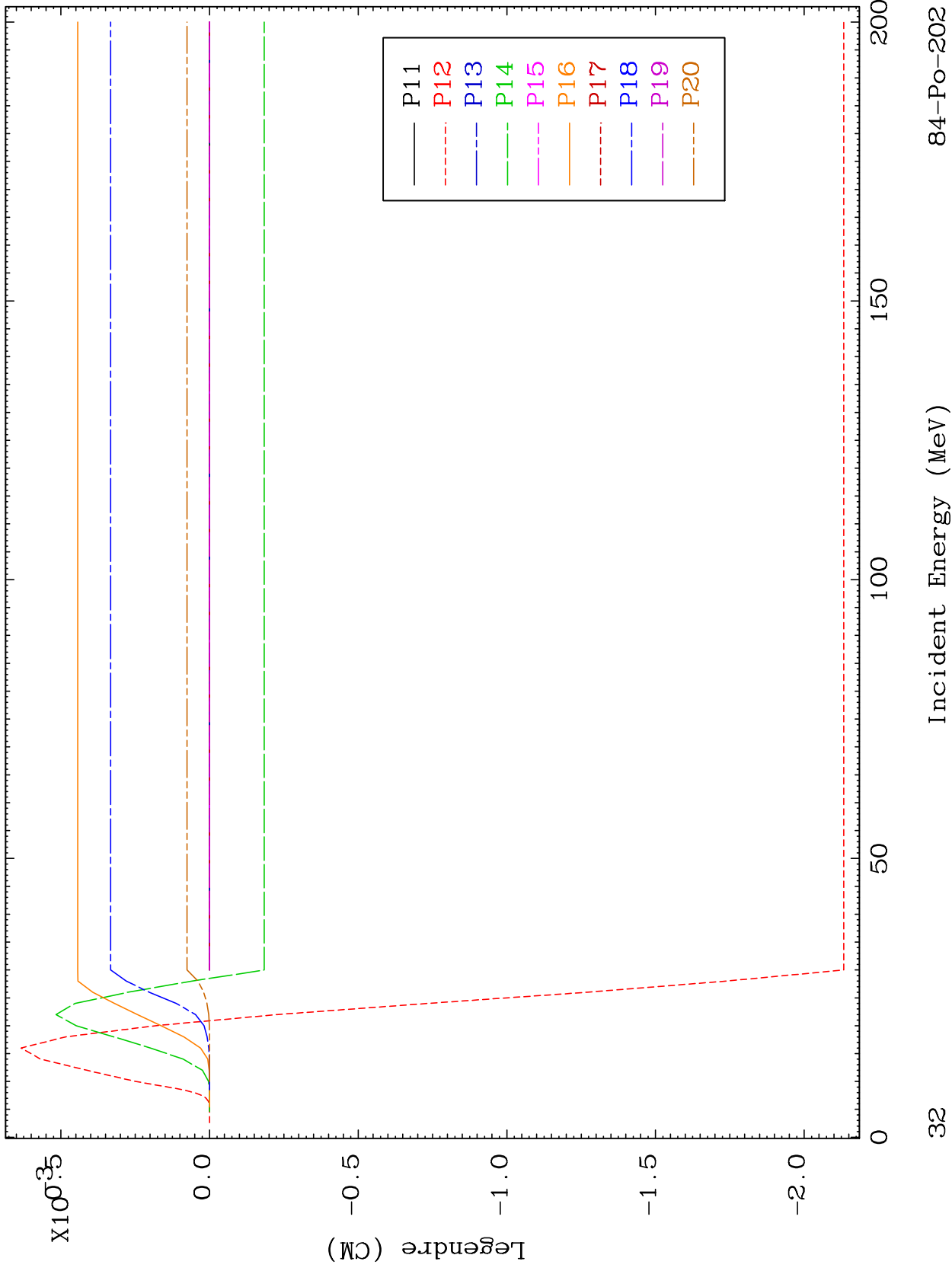
Incident Energy (MeV)

31

MAT 8413

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

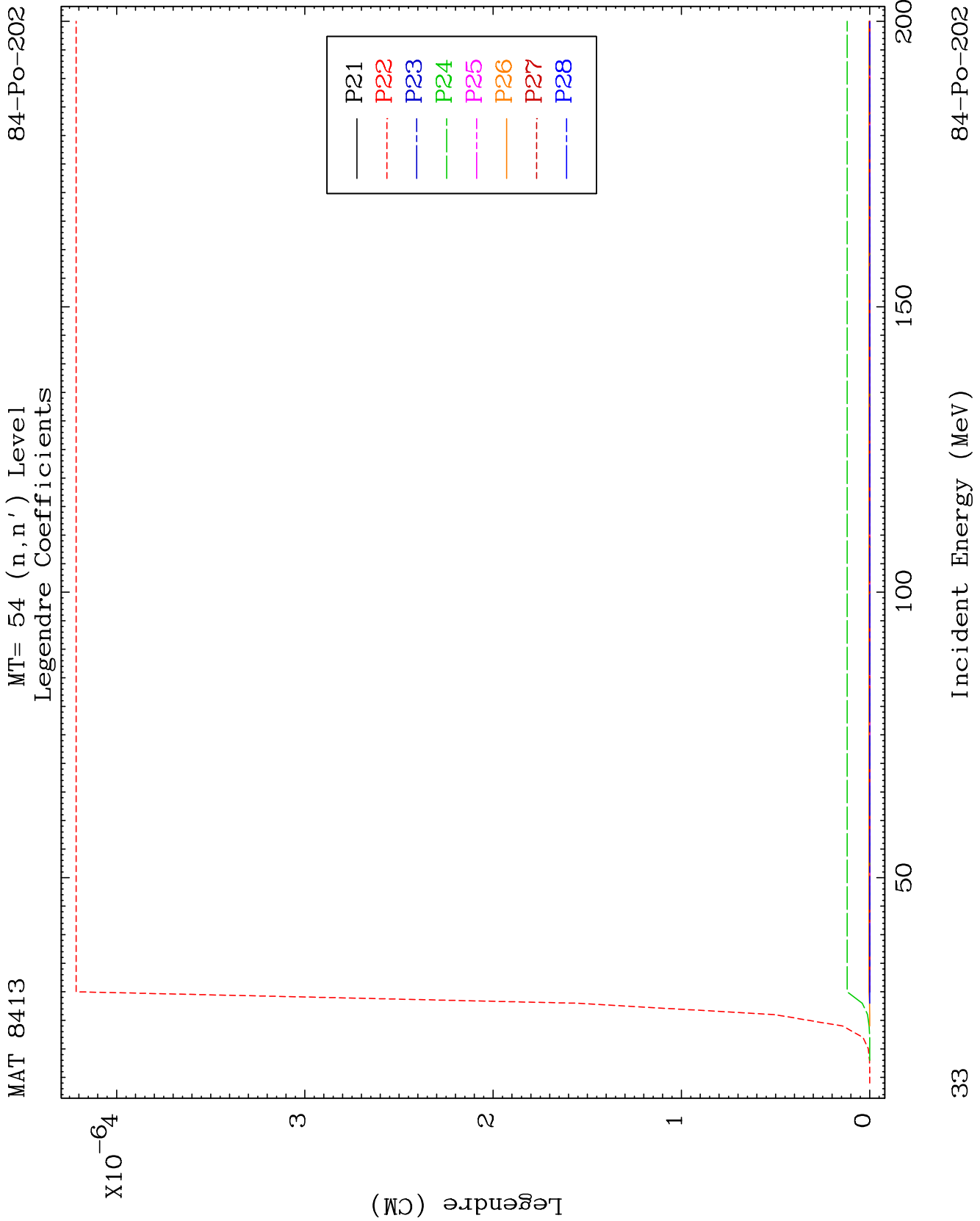
84-Po-202



32

Incident Energy (MeV)

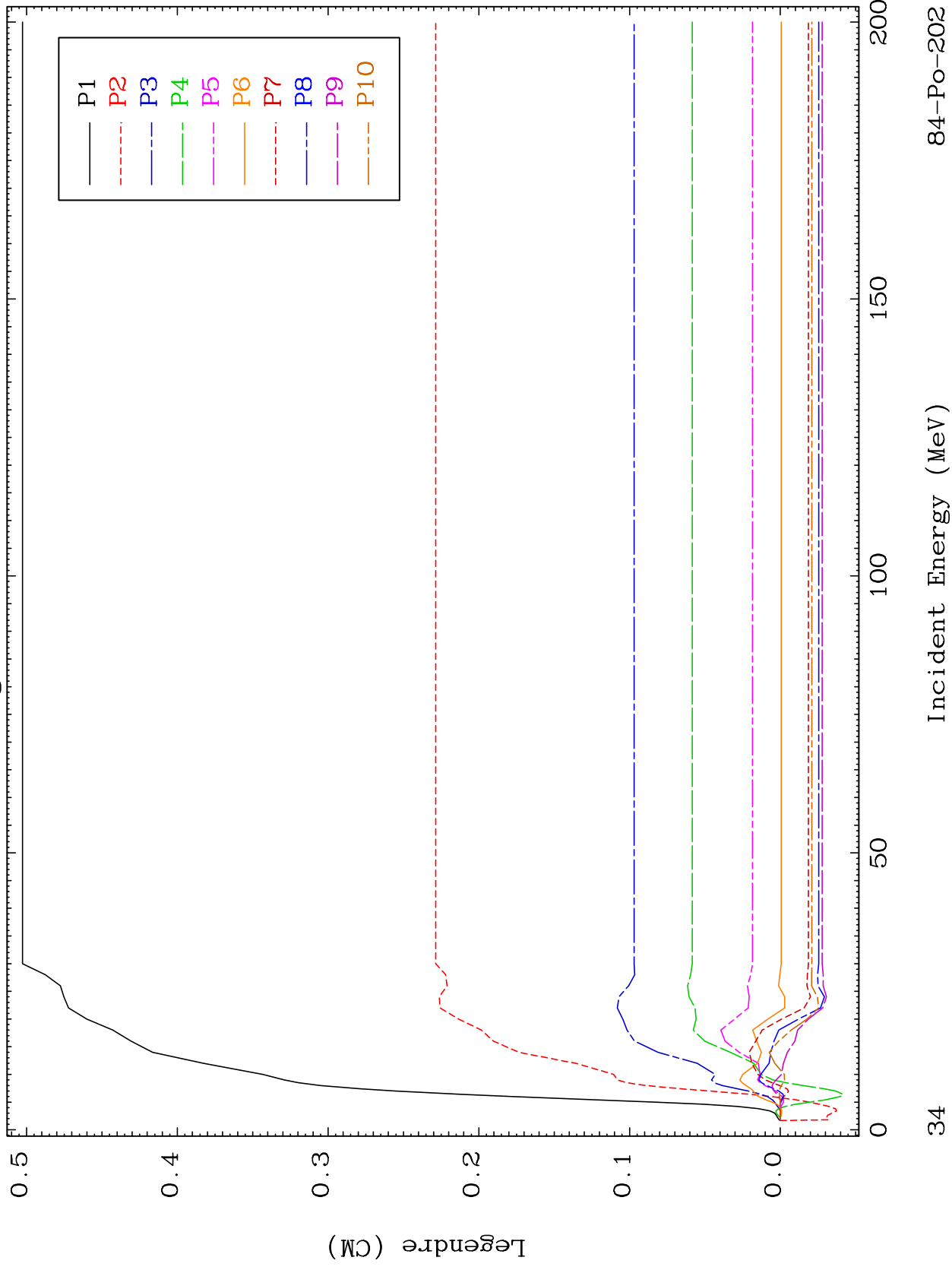
84-Po-202



MAT 8413

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

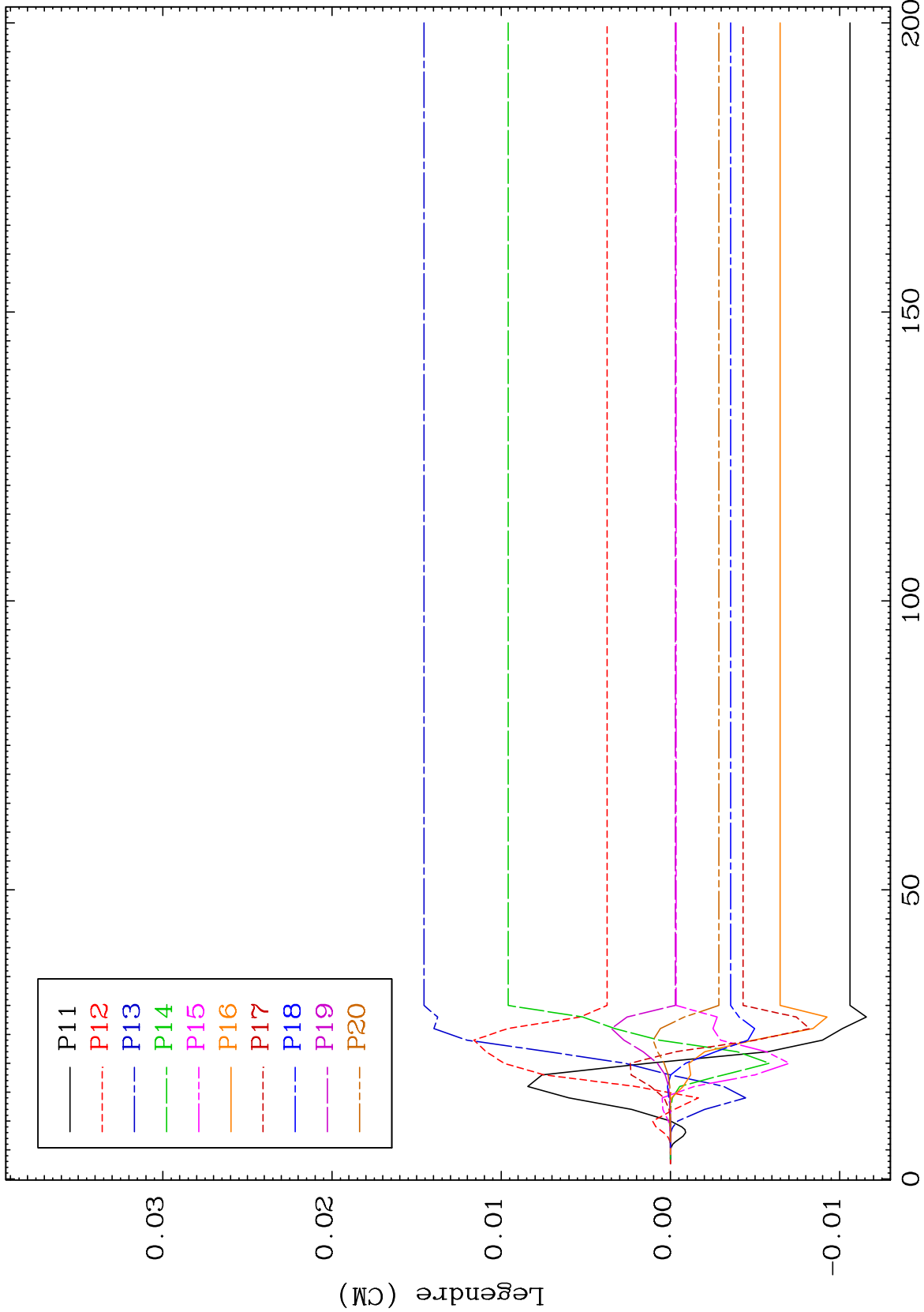
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MAT 8413

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

84-Po-202



35

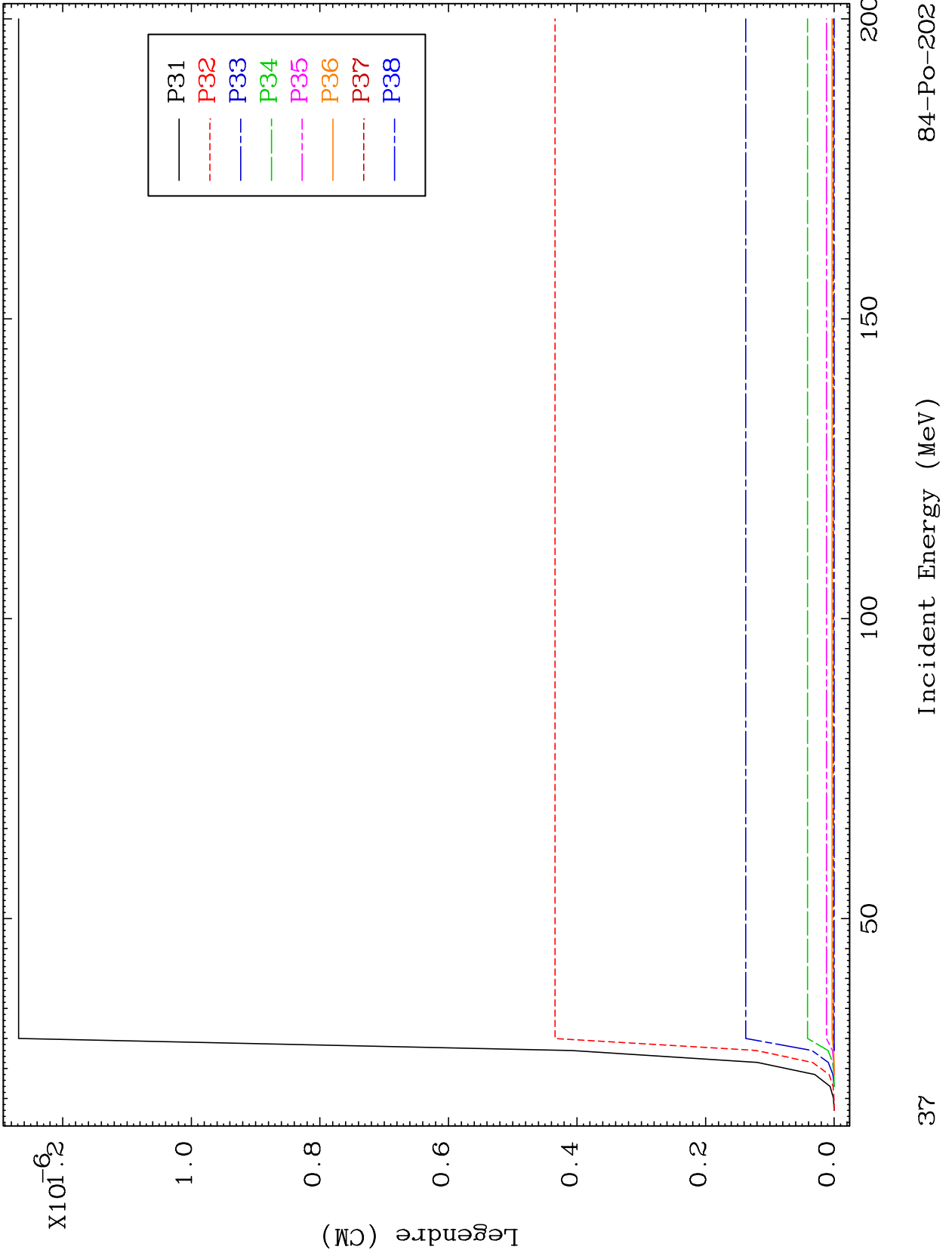
Incident Energy (MeV)

84-Po-202

MAT 8413

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

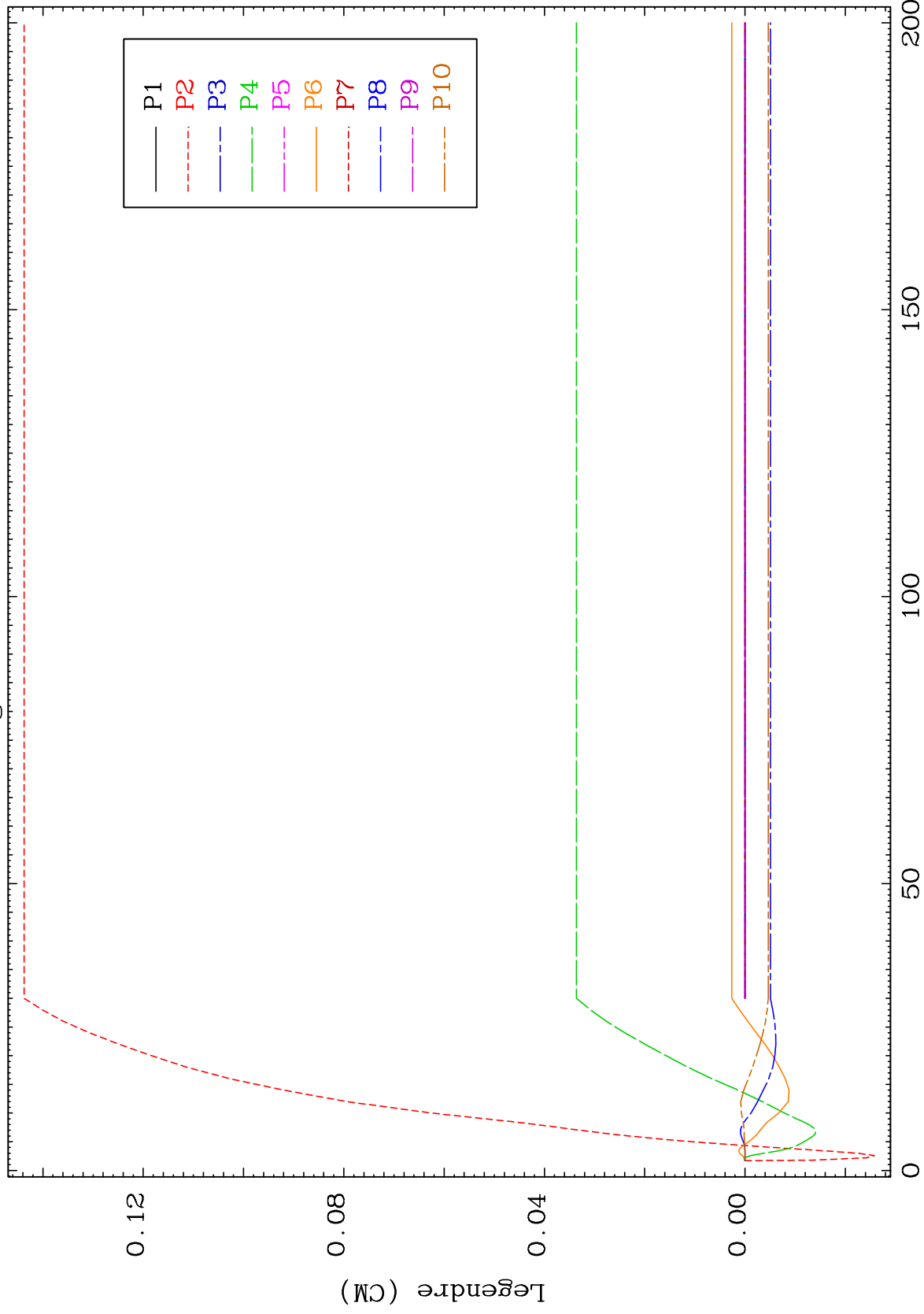
84-Po-202



MAT 8413

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

84-Po-202



84-Po-202

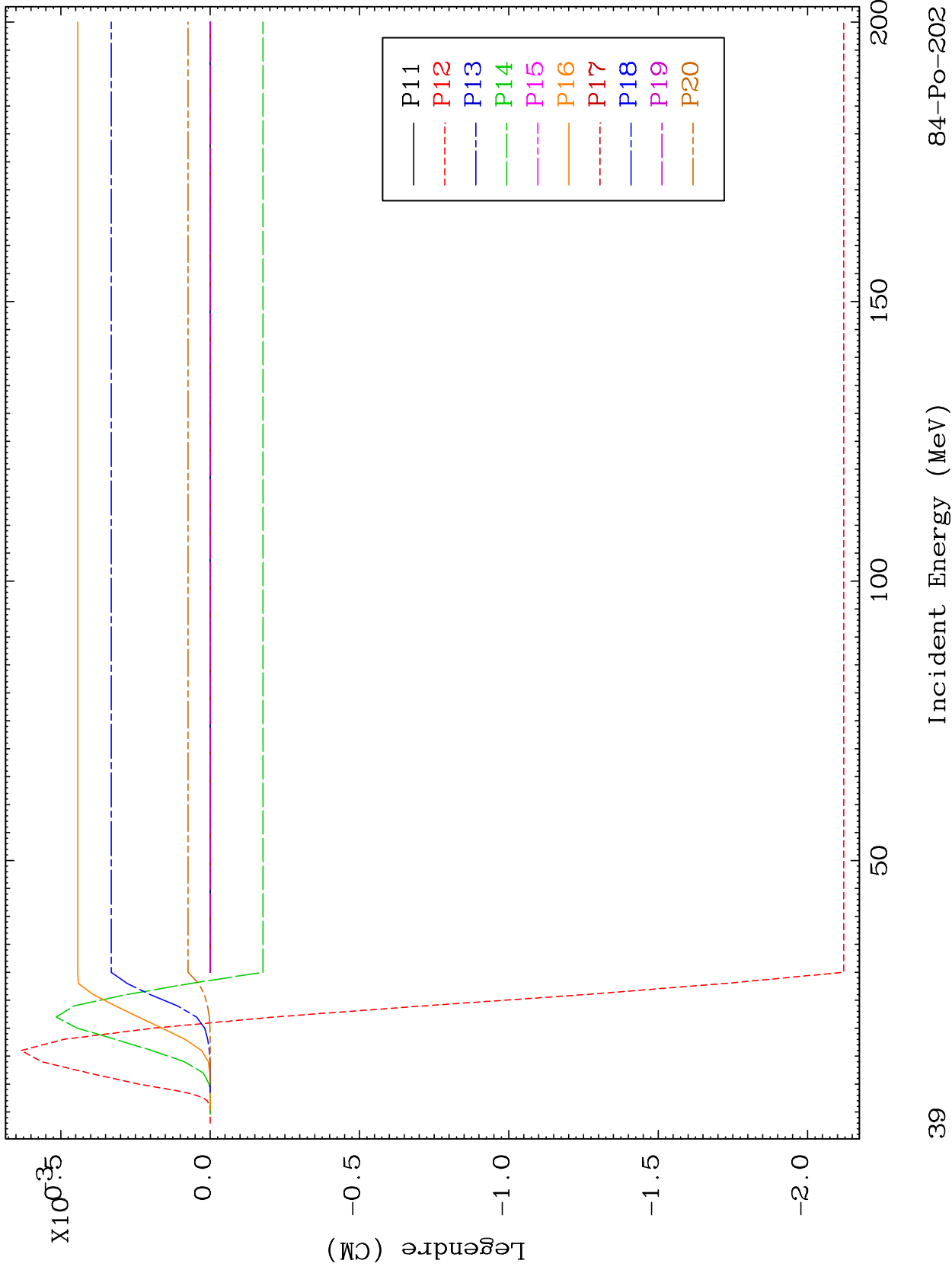
Incident Energy (MeV)

38

MAT 8413

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

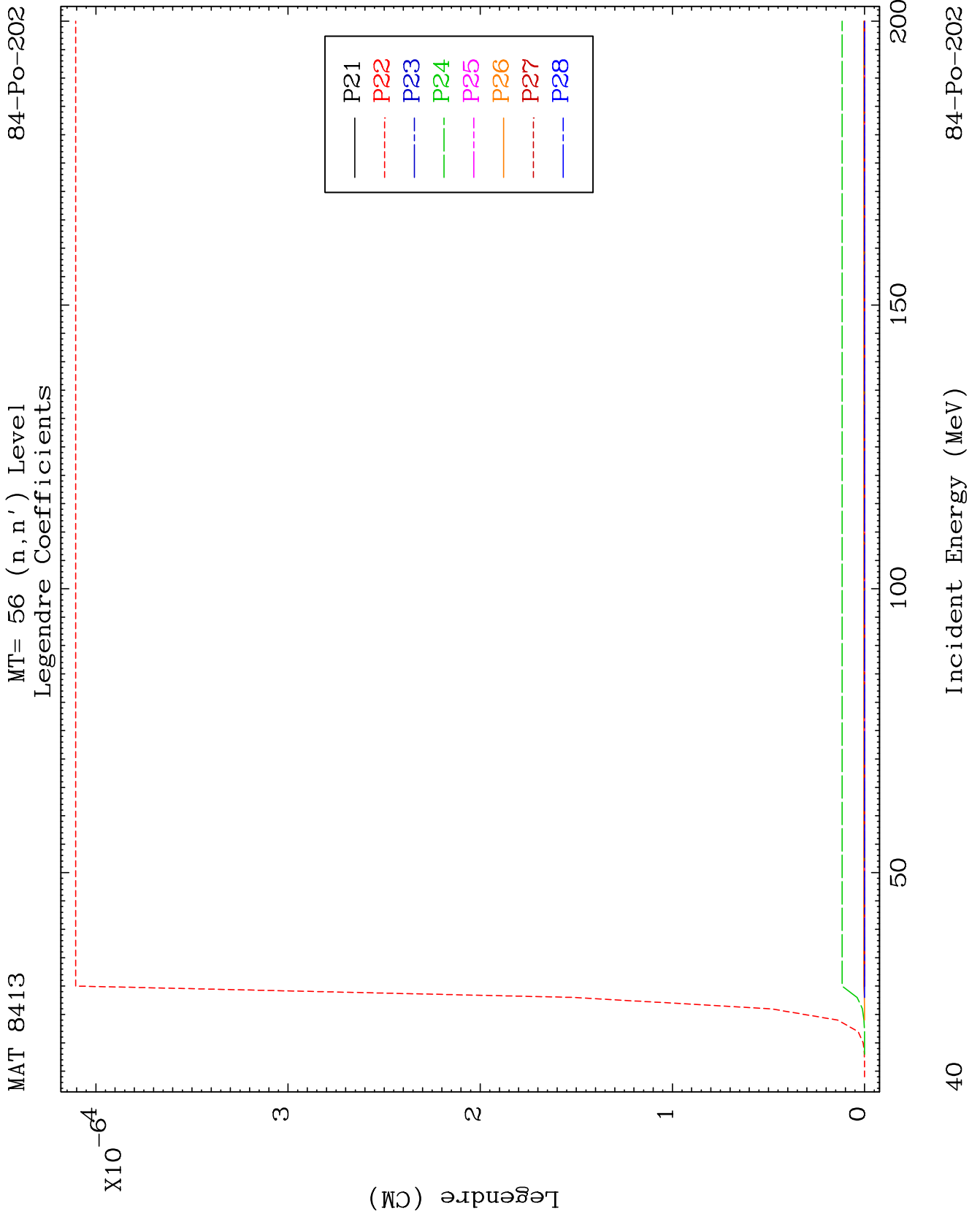
84-Po-202



39

Incident Energy (MeV)

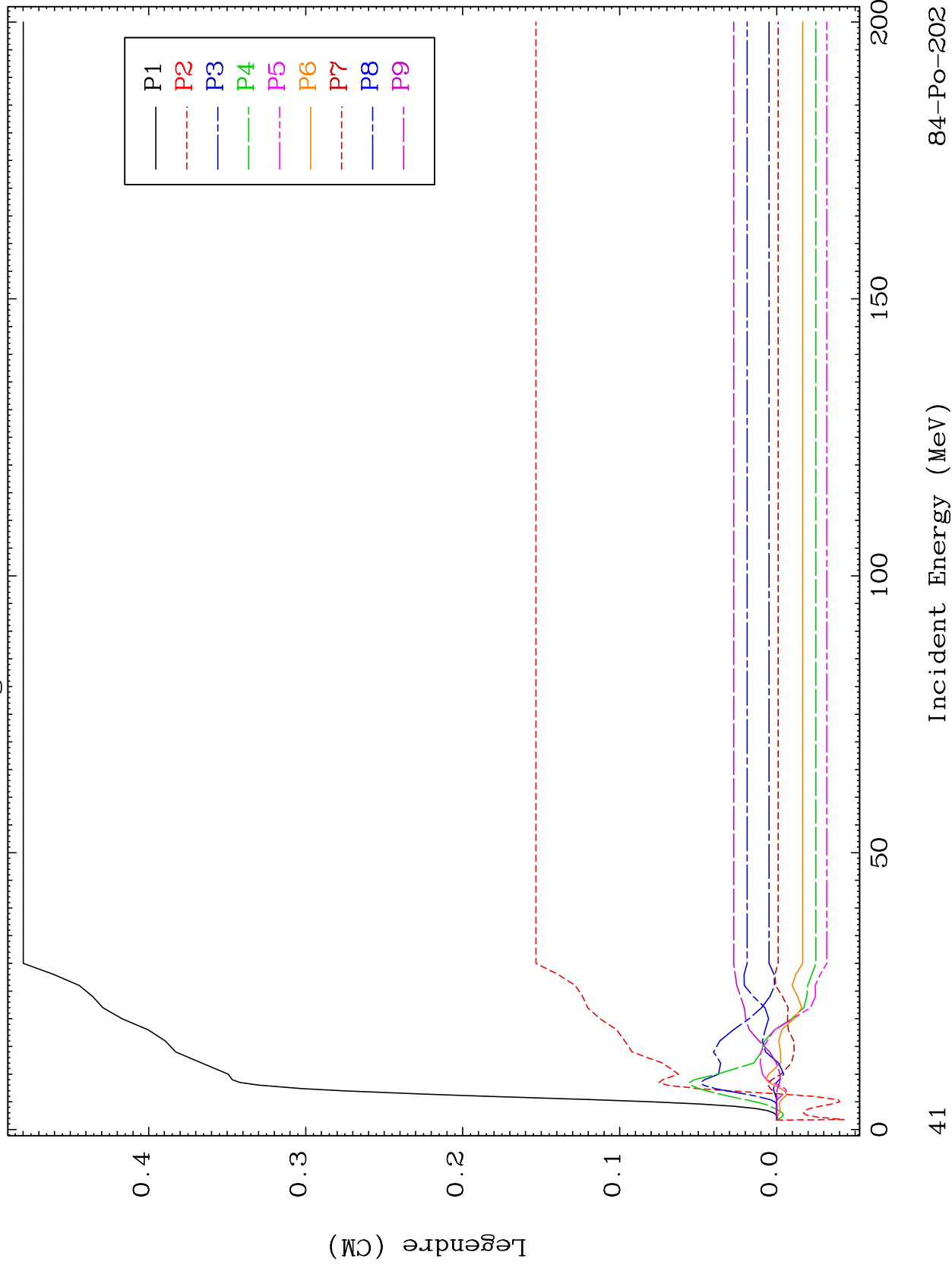
84-Po-202



MAT 8413

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

84-Po-202



41

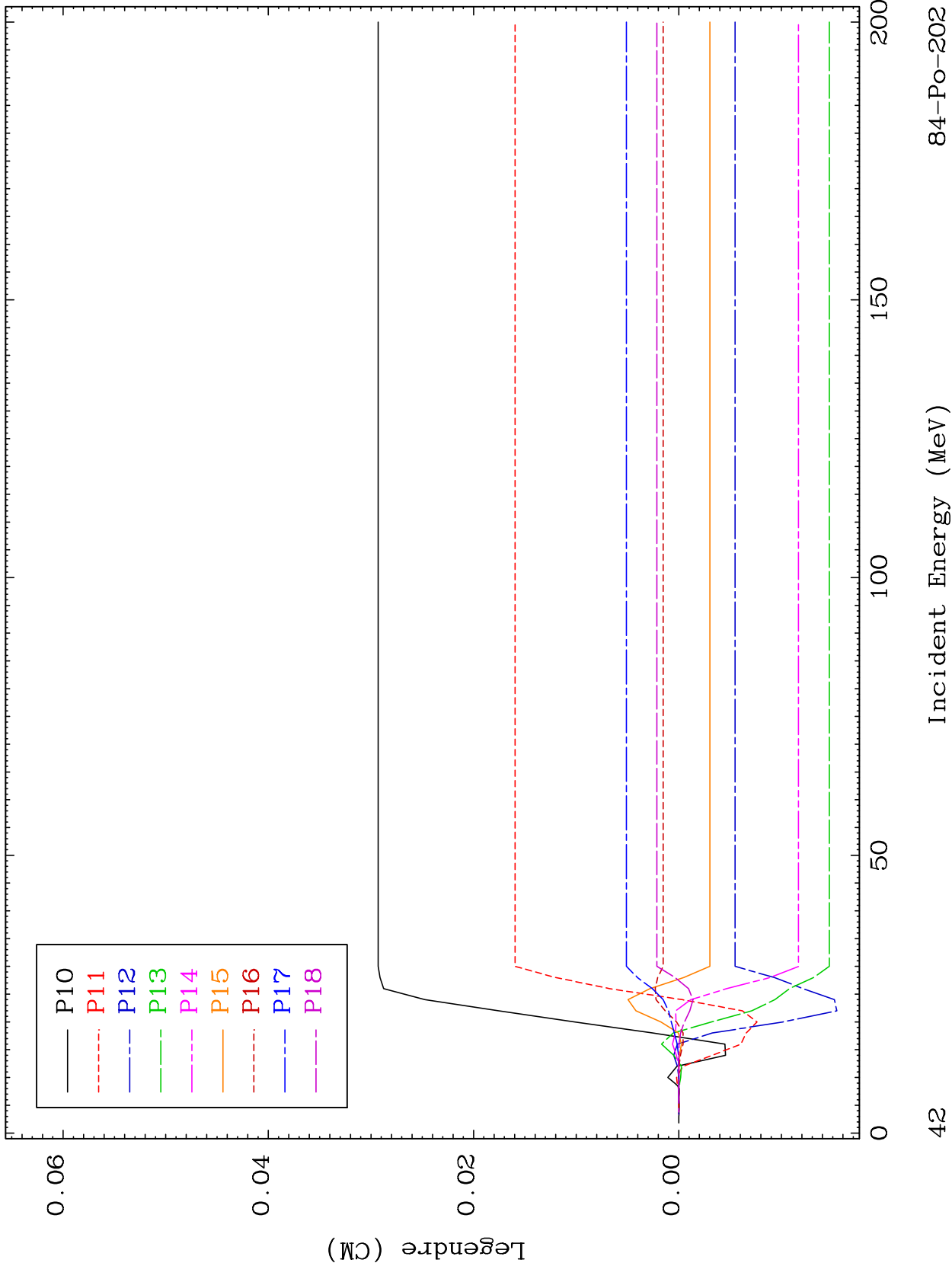
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



84-Po-202

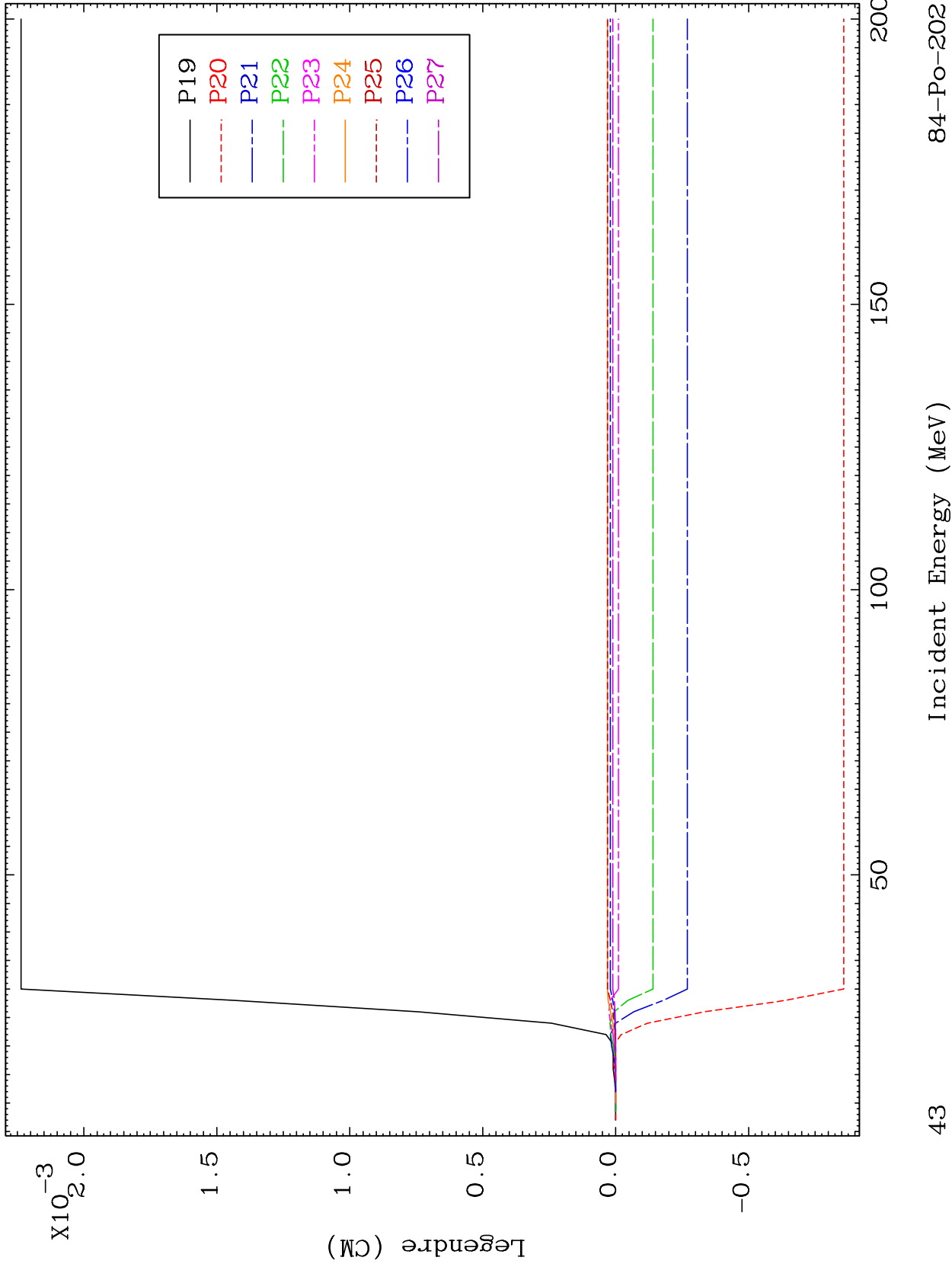
Incident Energy (MeV)

42

MAT 8413

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

84-Po-202



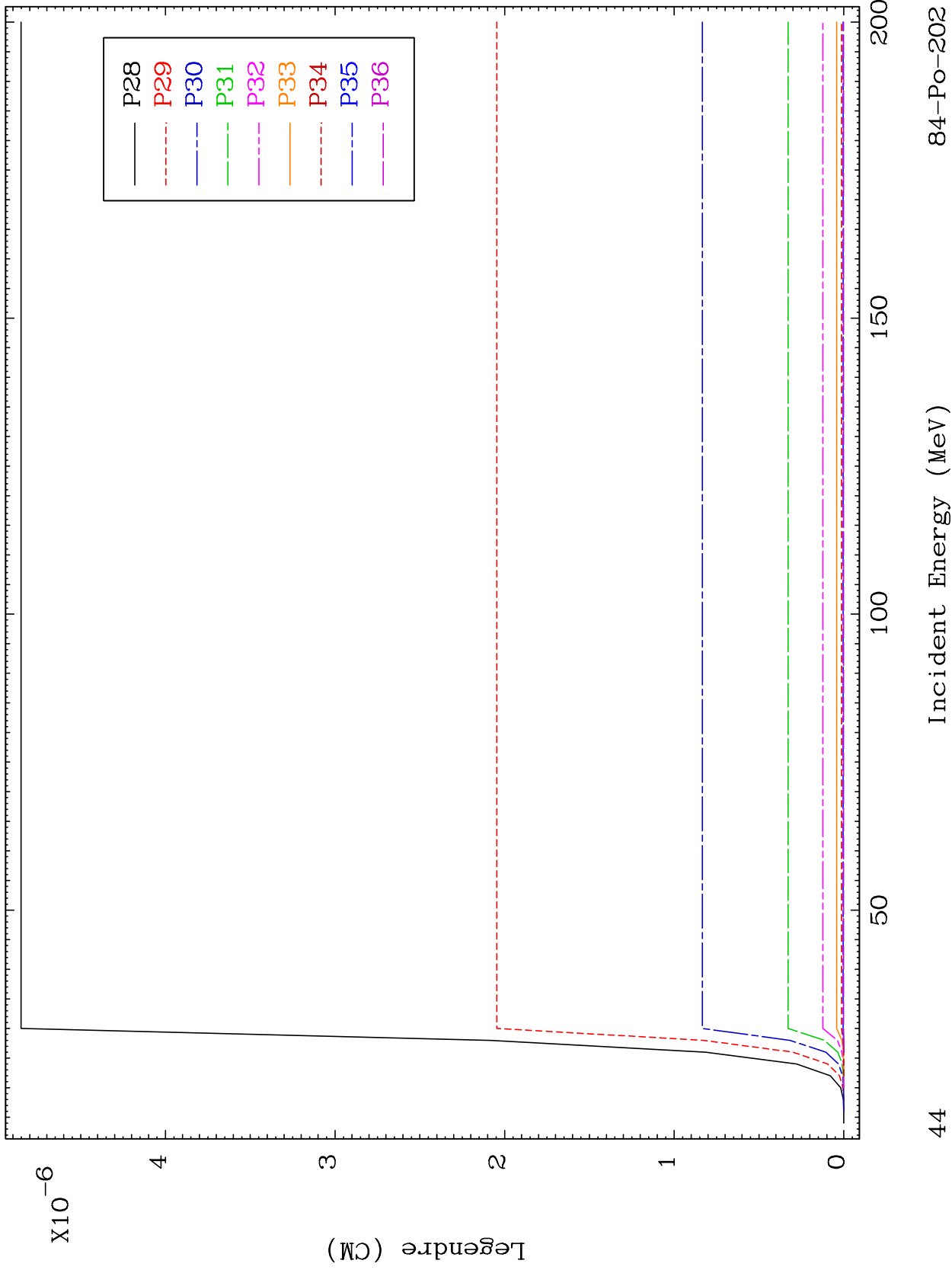
43

84-Po-202

MAT 8413

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

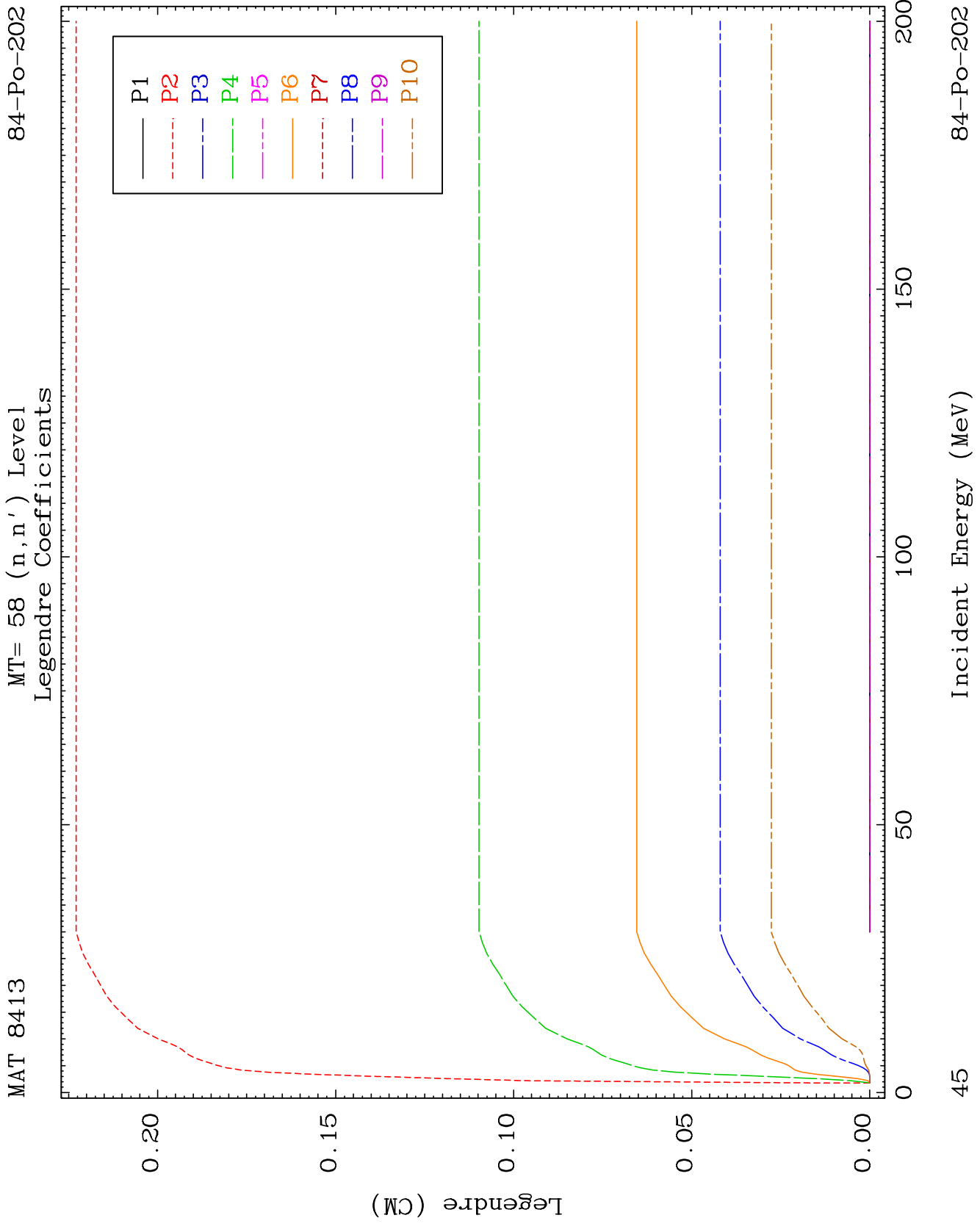
84-Po-202



44

Incident Energy (MeV)

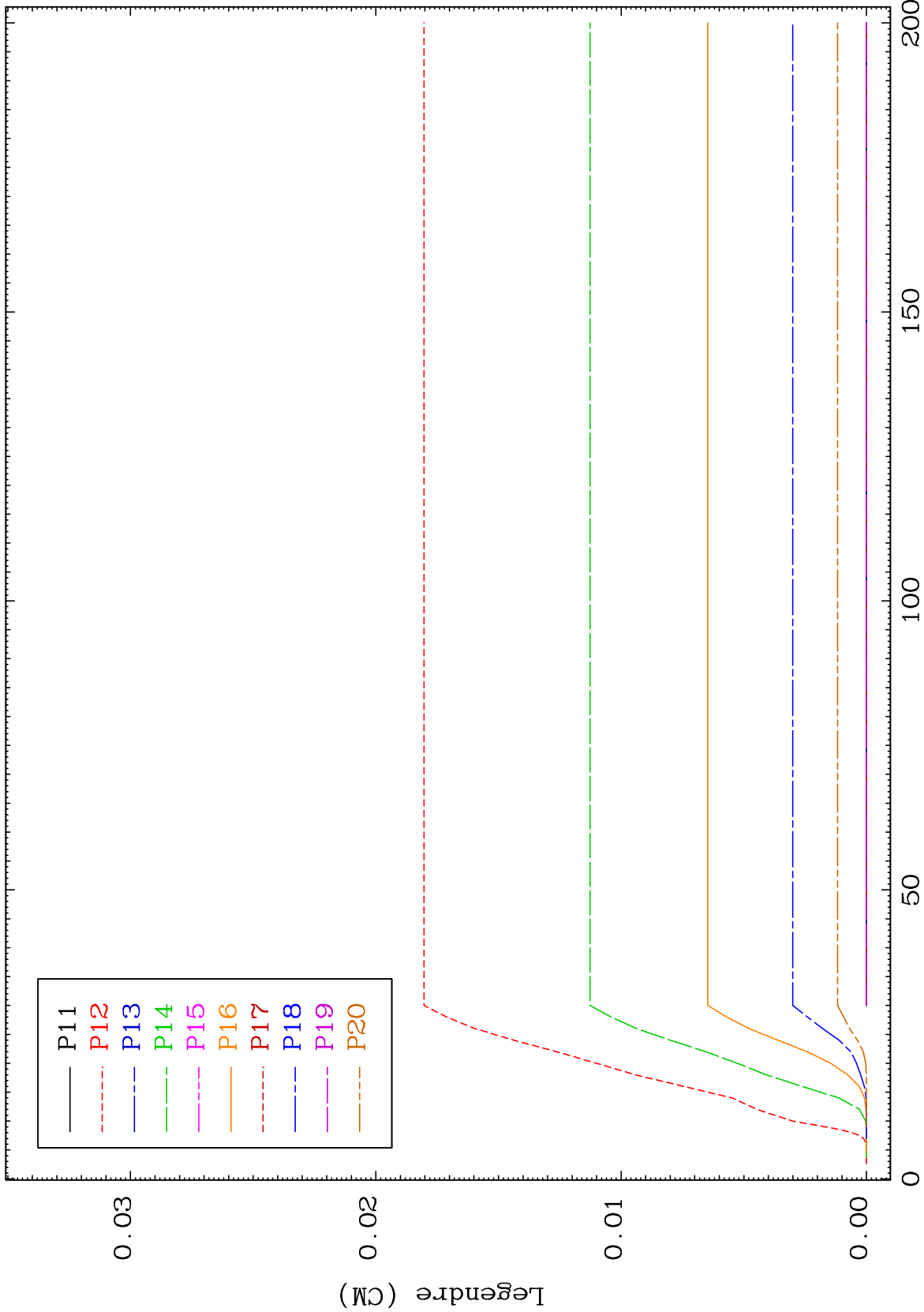
84-Po-202



MAT 8413

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

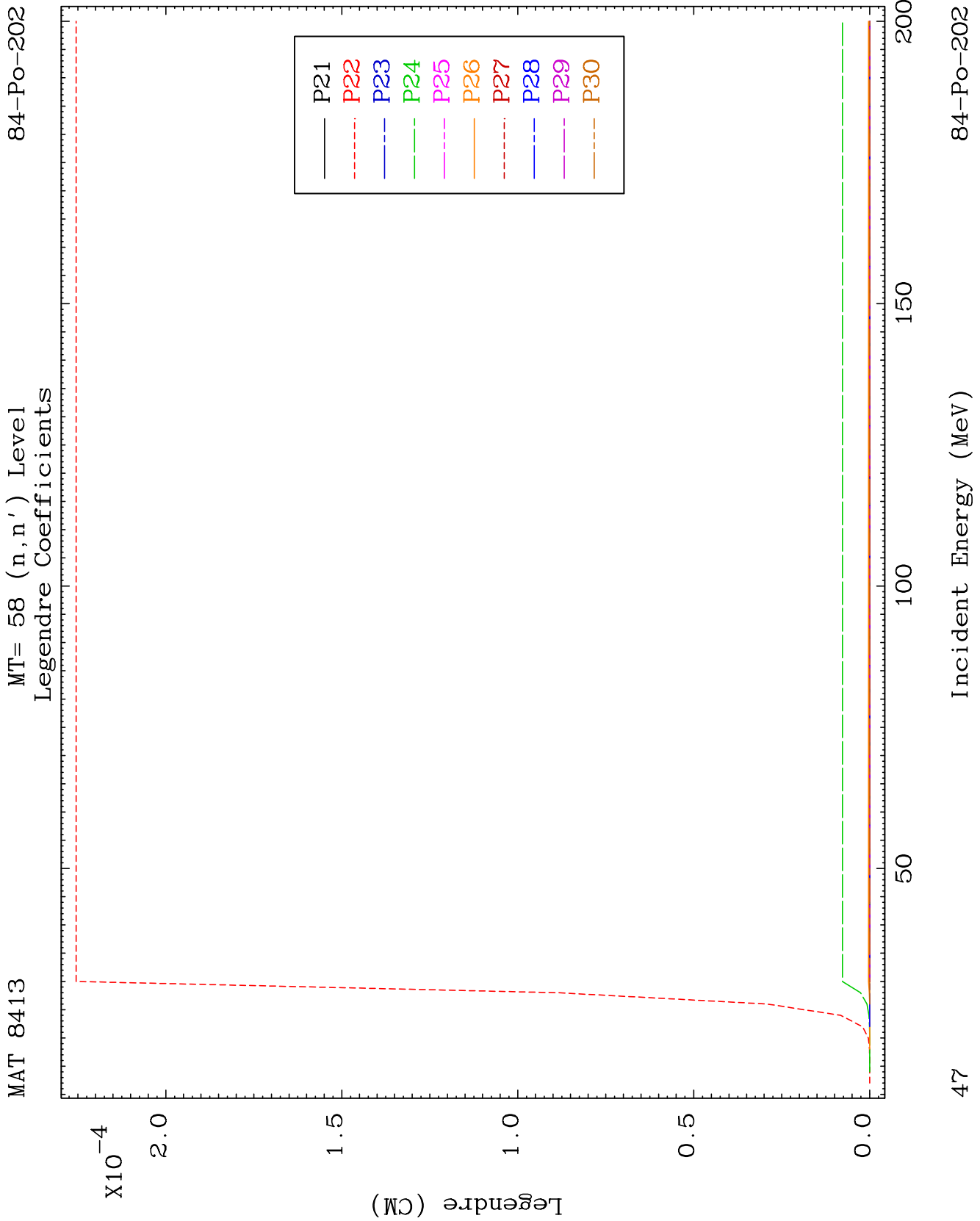
84-Po-202



46

Incident Energy (MeV)

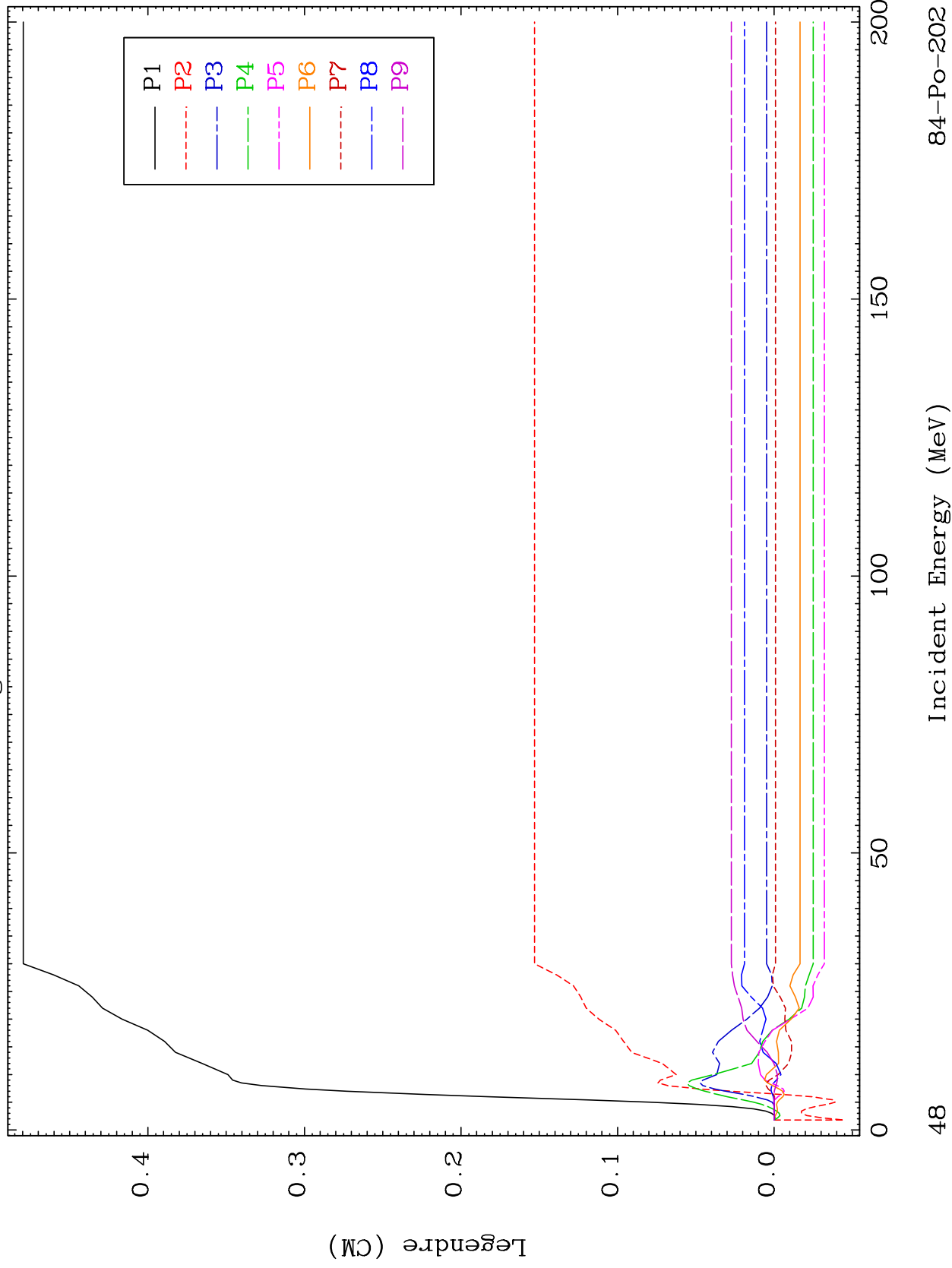
84-Po-202



MAT 8413

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

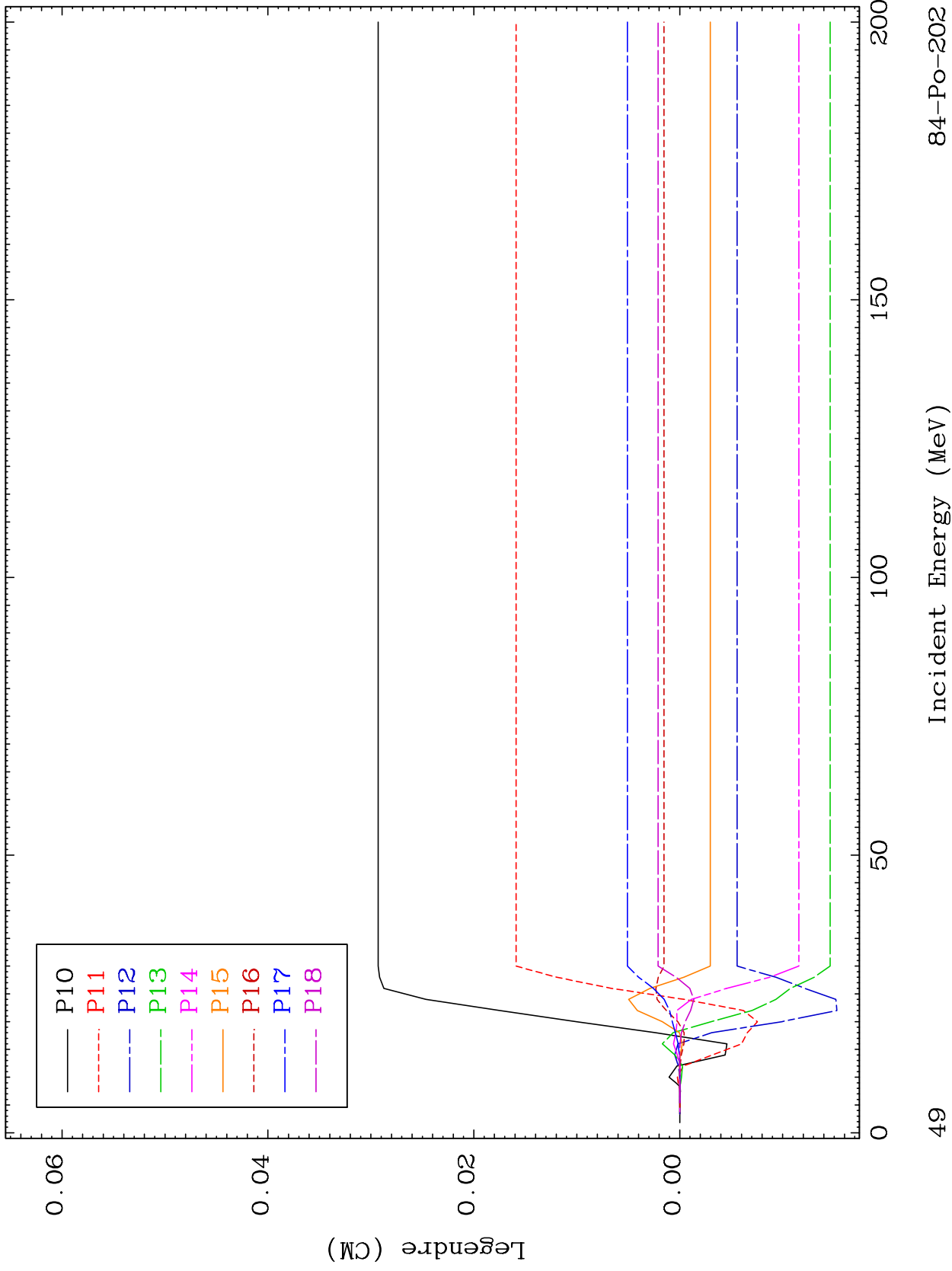
84-Po-202



MAT 8413

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

84-Po-202



49

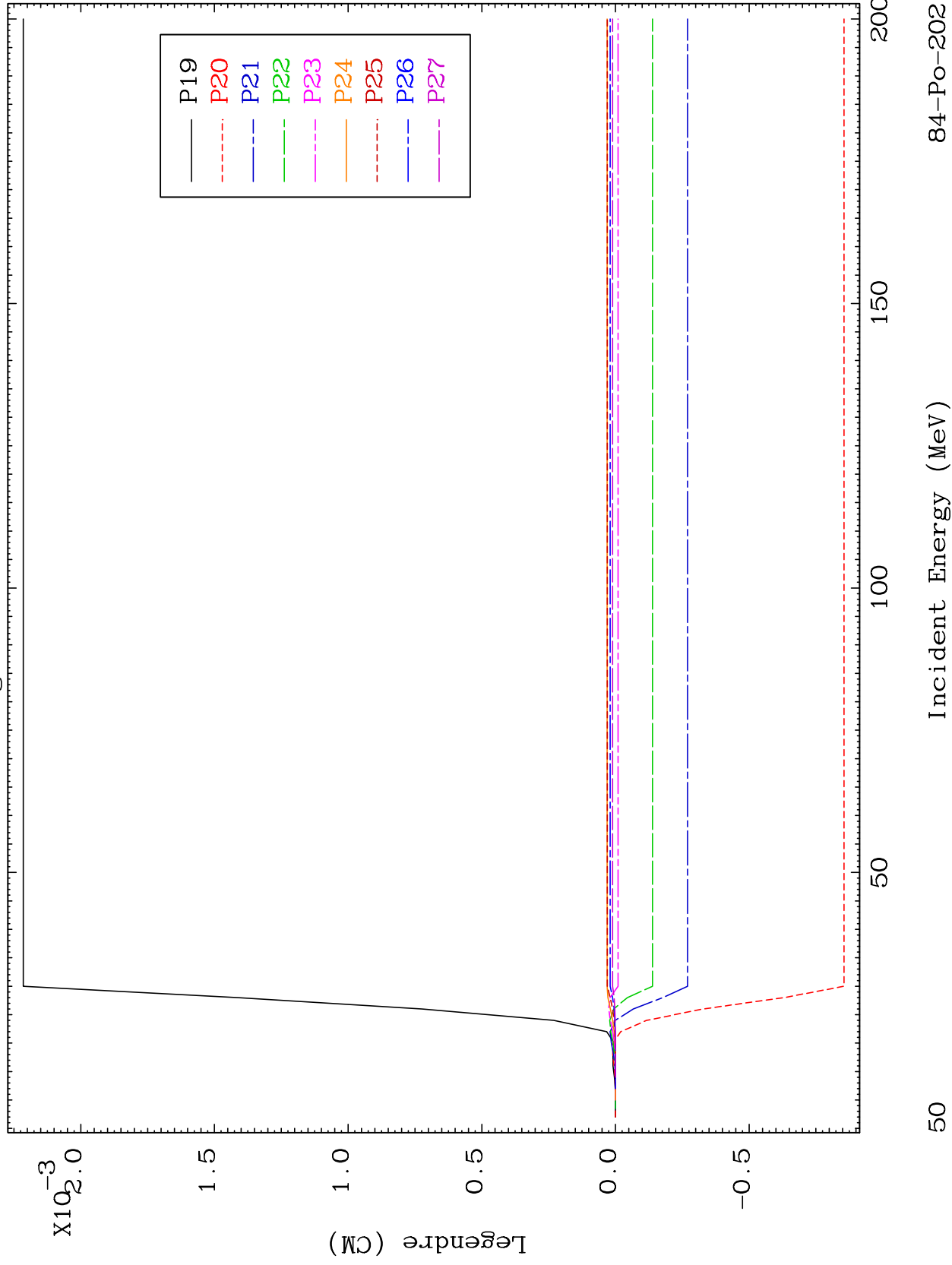
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



84-Po-202

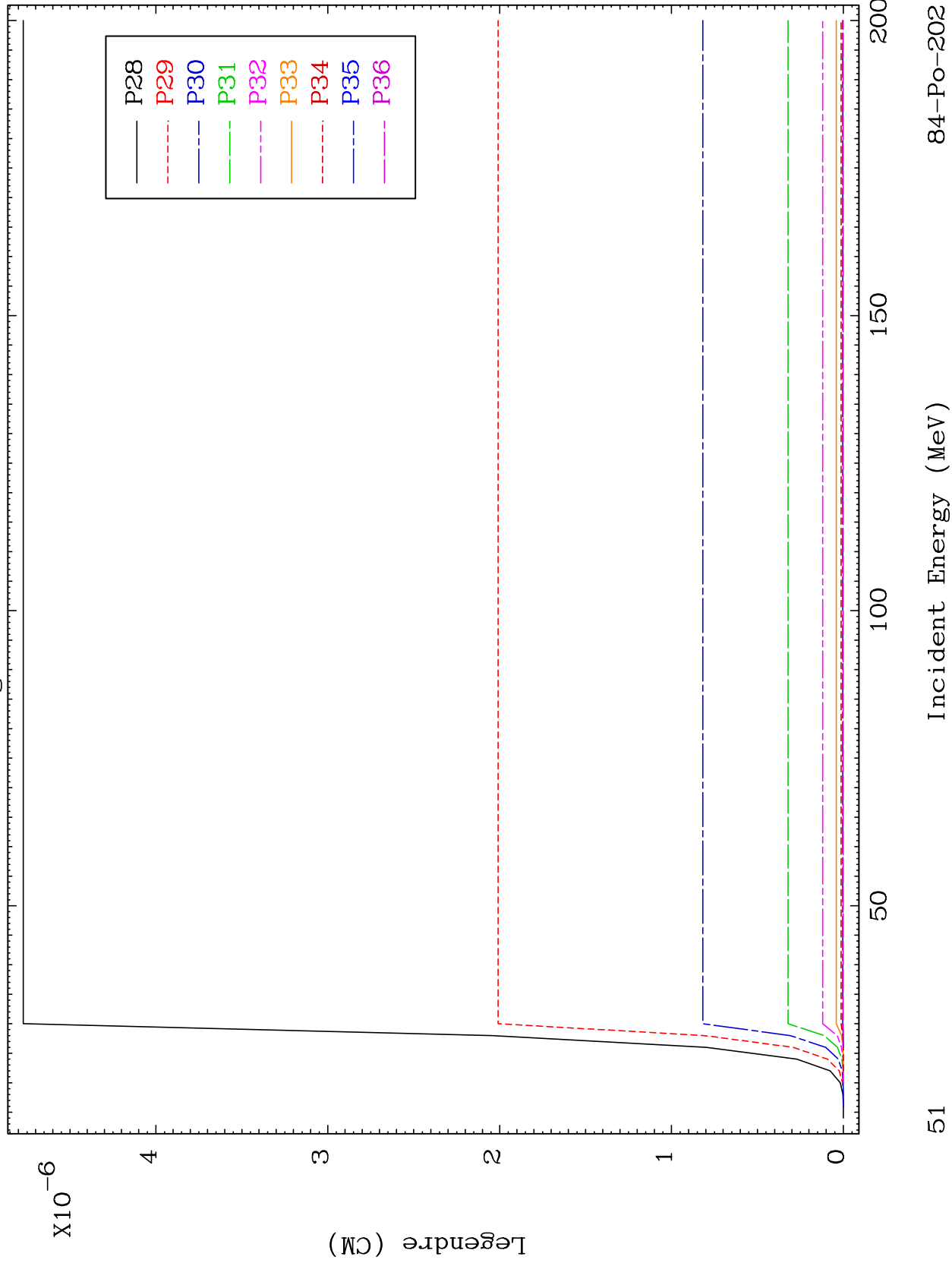
Incident Energy (MeV)

50

MAT 8413

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

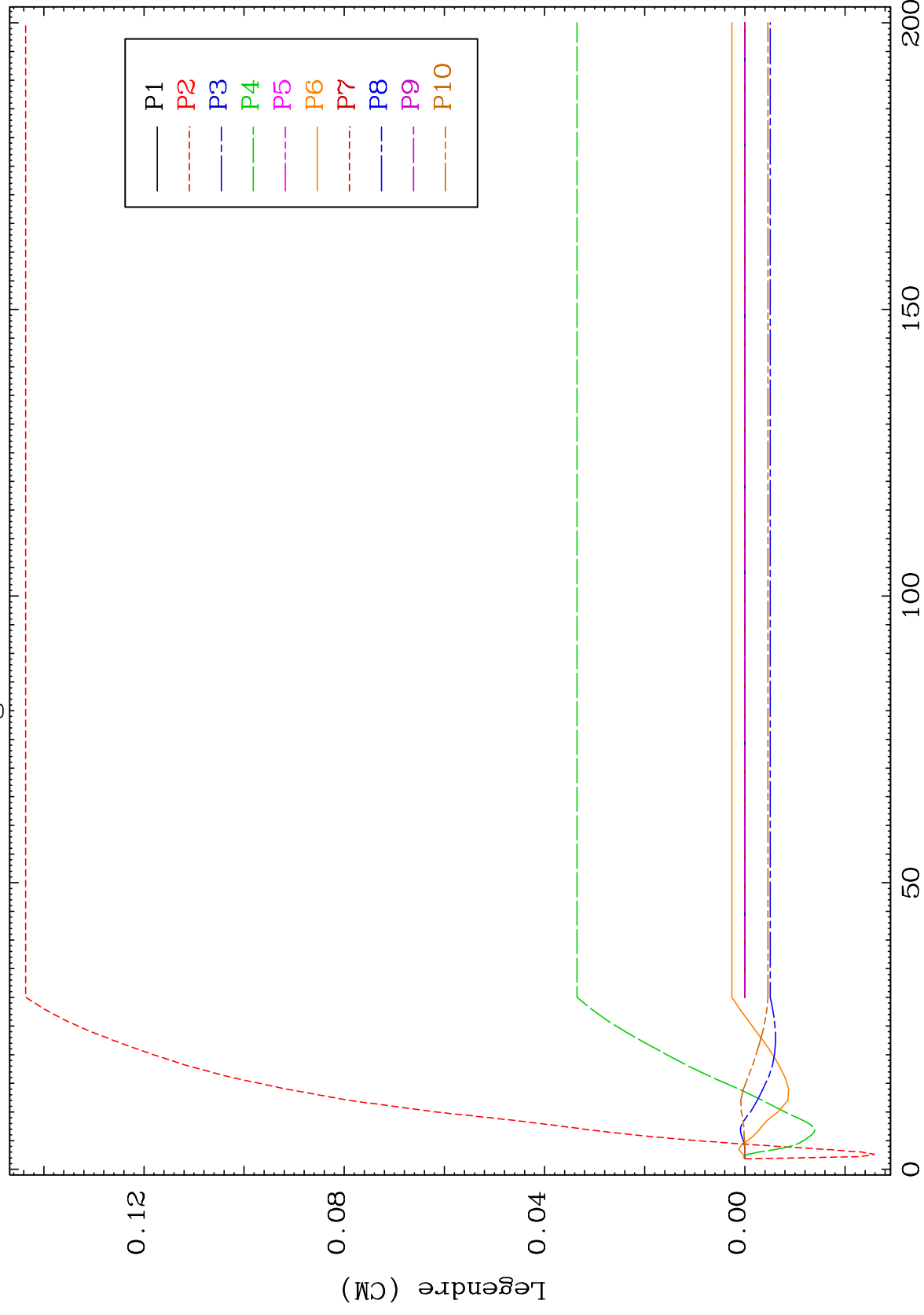
84-Po-202



MAT 8413

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

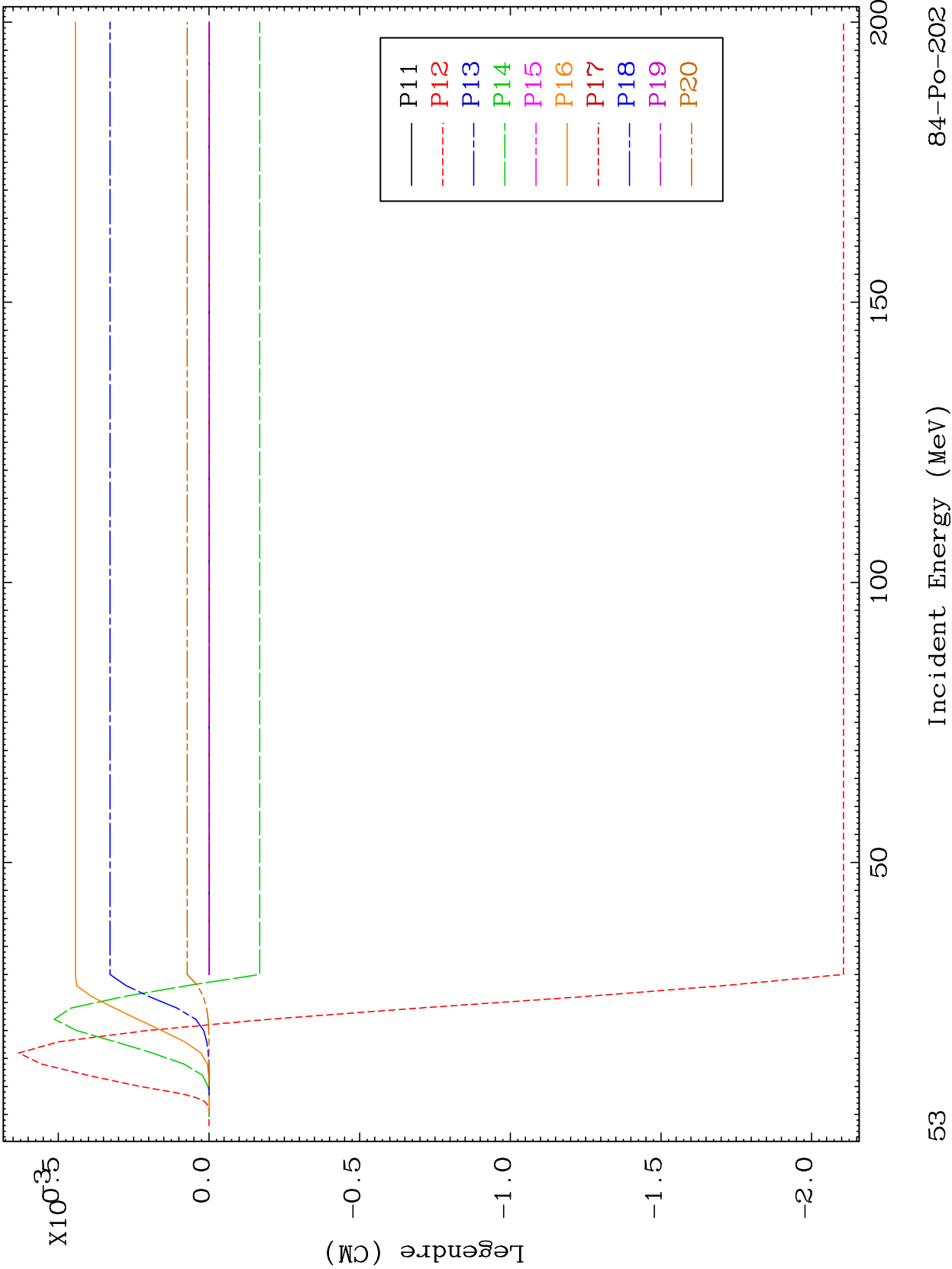
84-Po-202



84-Po-202

Incident Energy (MeV)

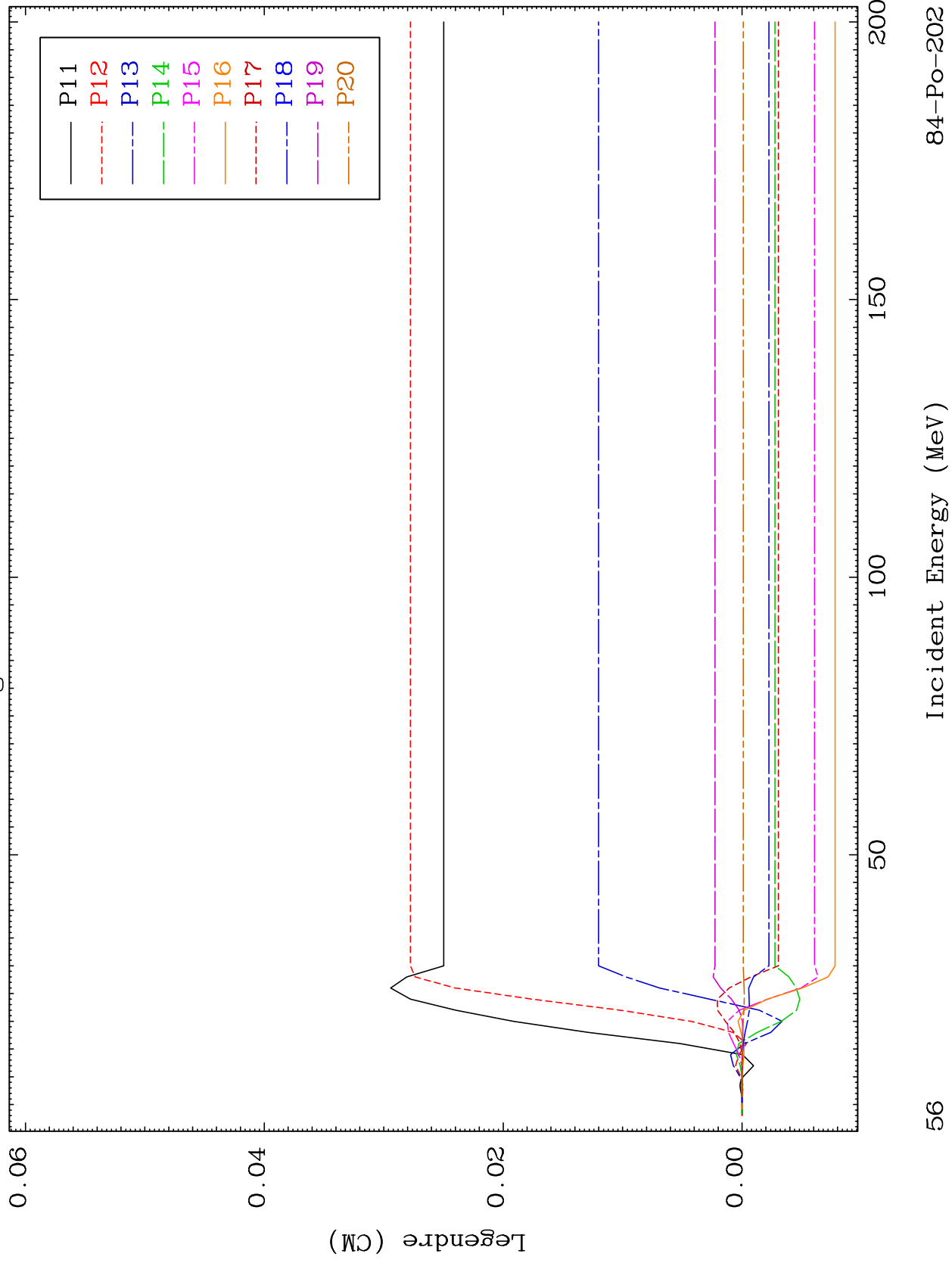
52



MAT 8413

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

84-Po-202



56

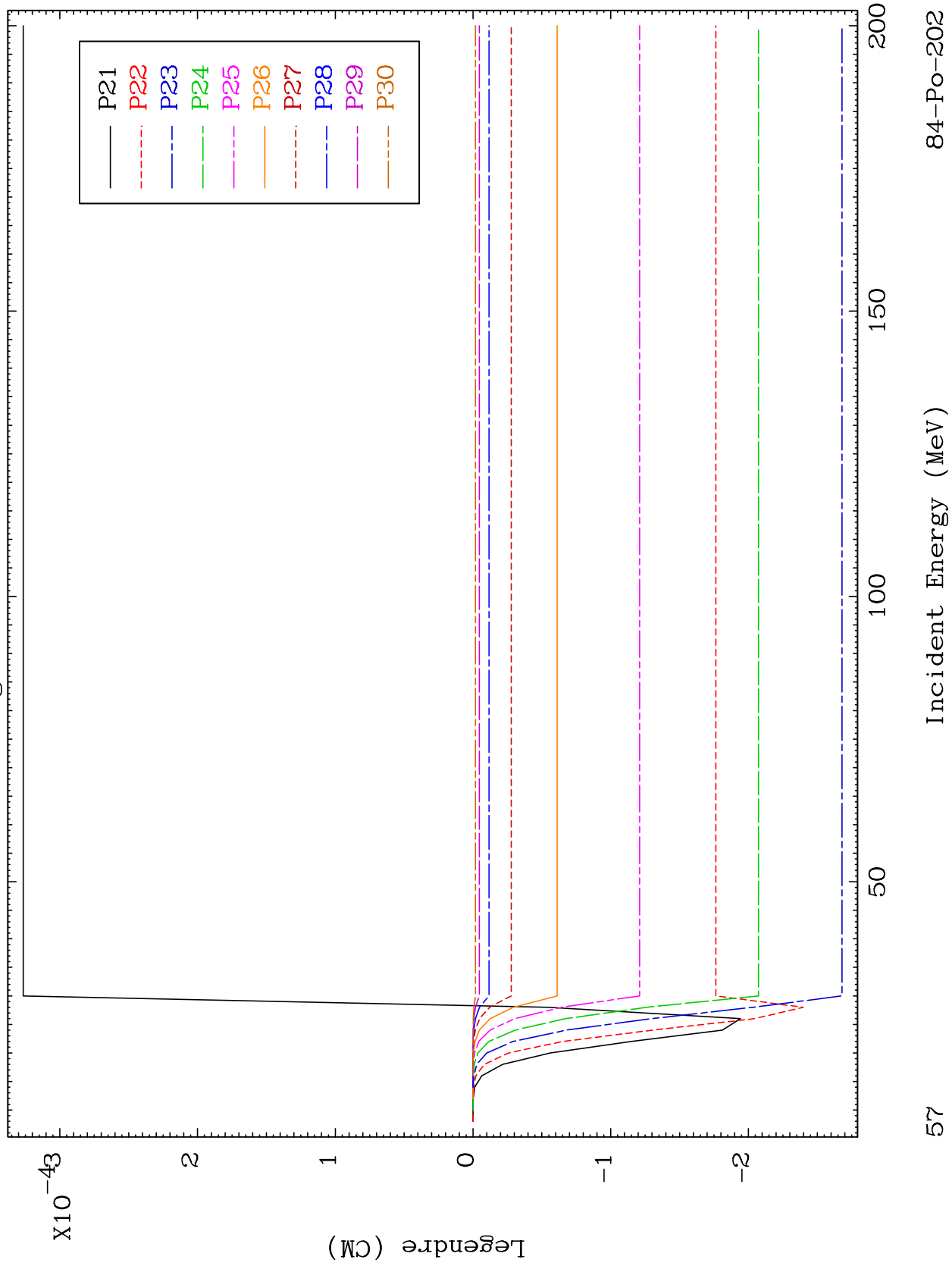
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



57

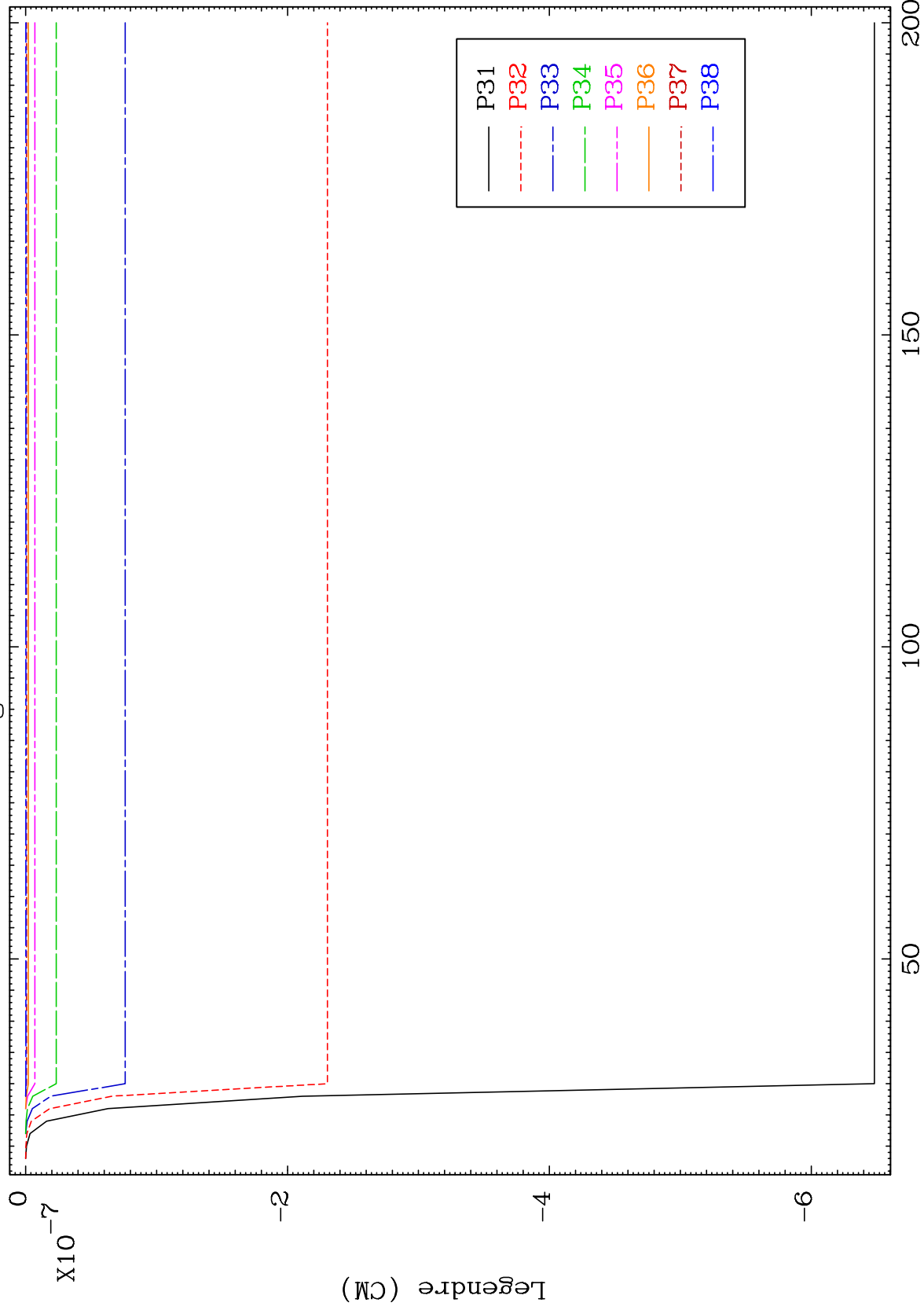
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



58

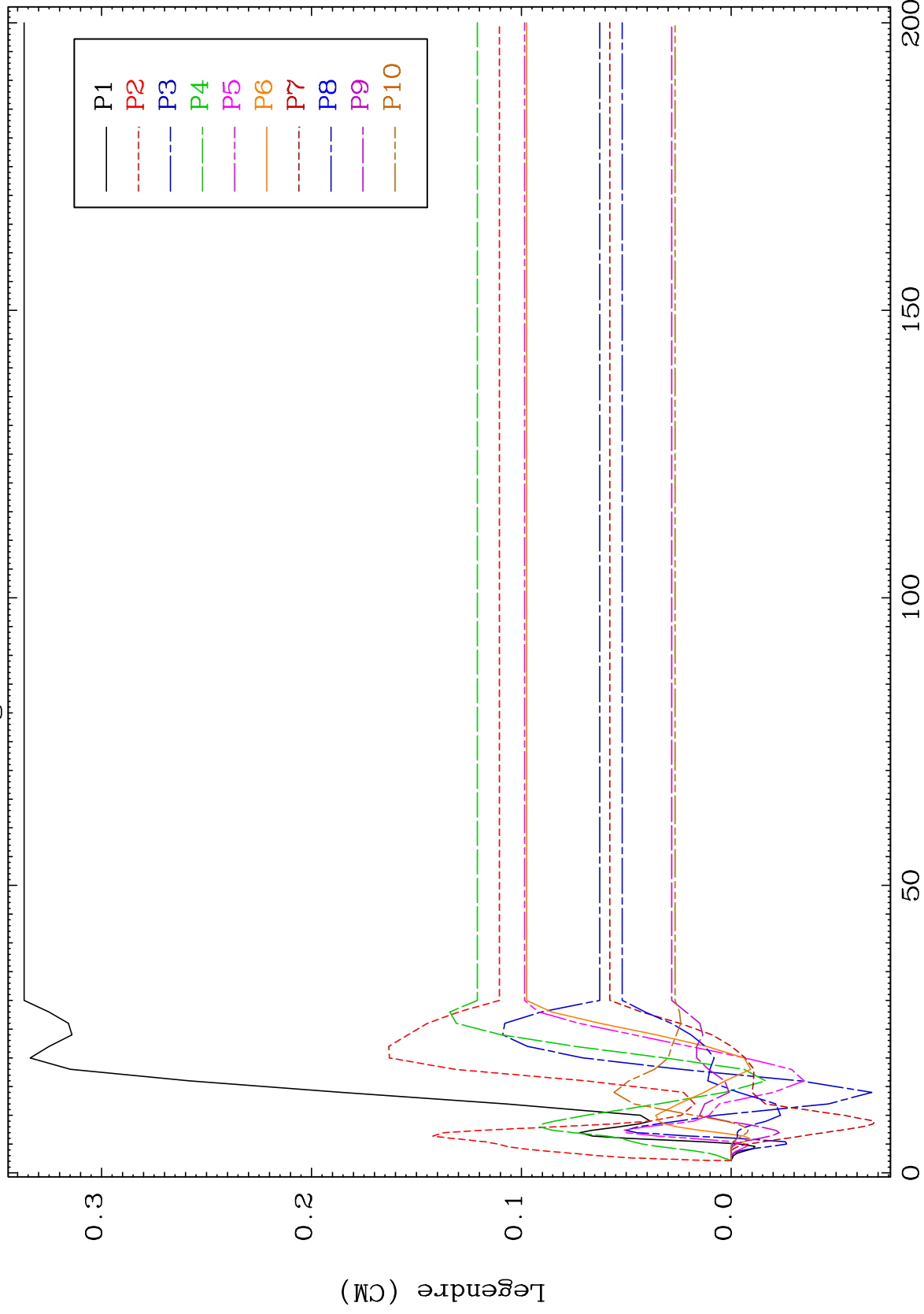
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



84-Po-202

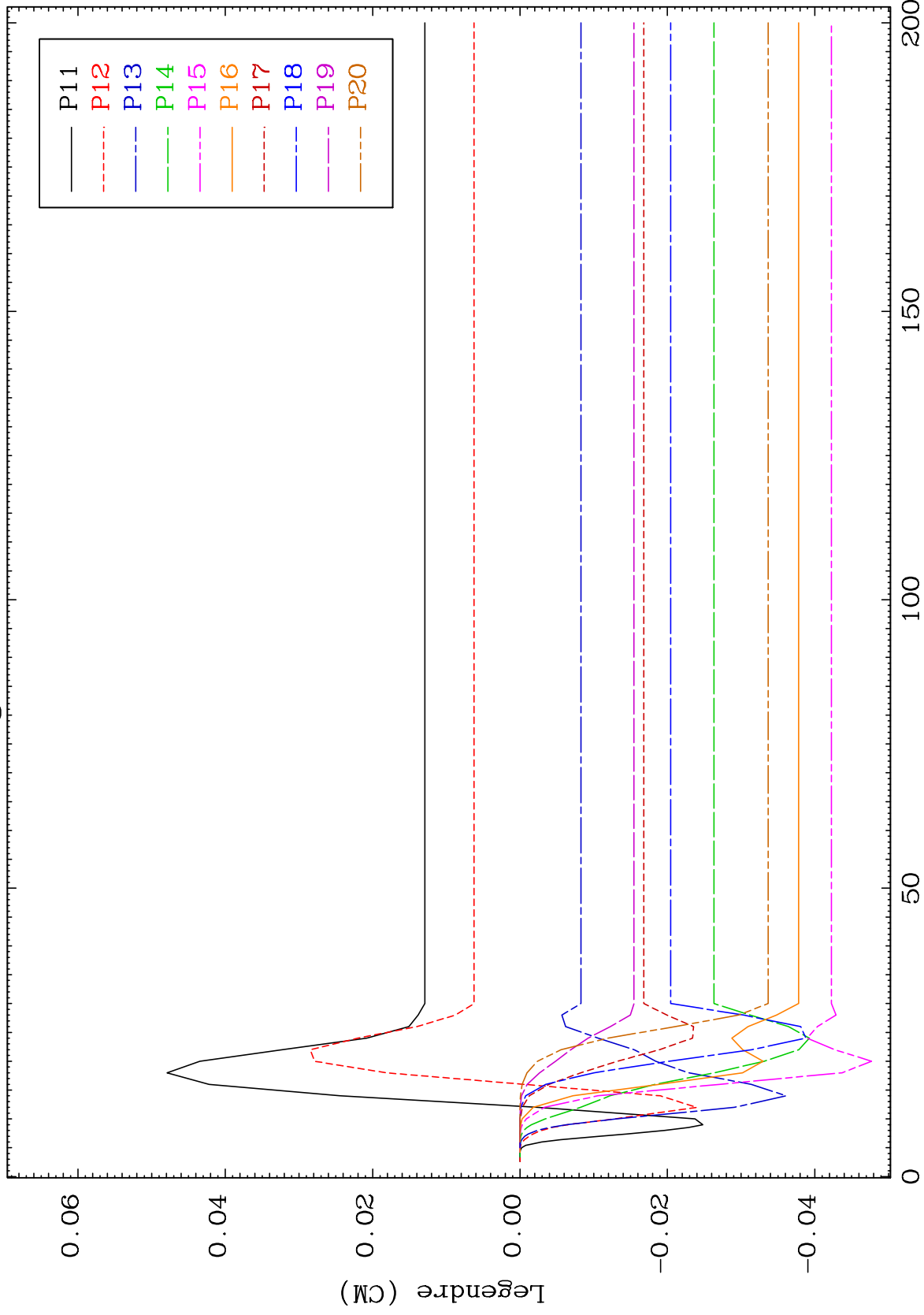
Incident Energy (MeV)

59

MAT 8413

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

84-Po-202



84-Po-202

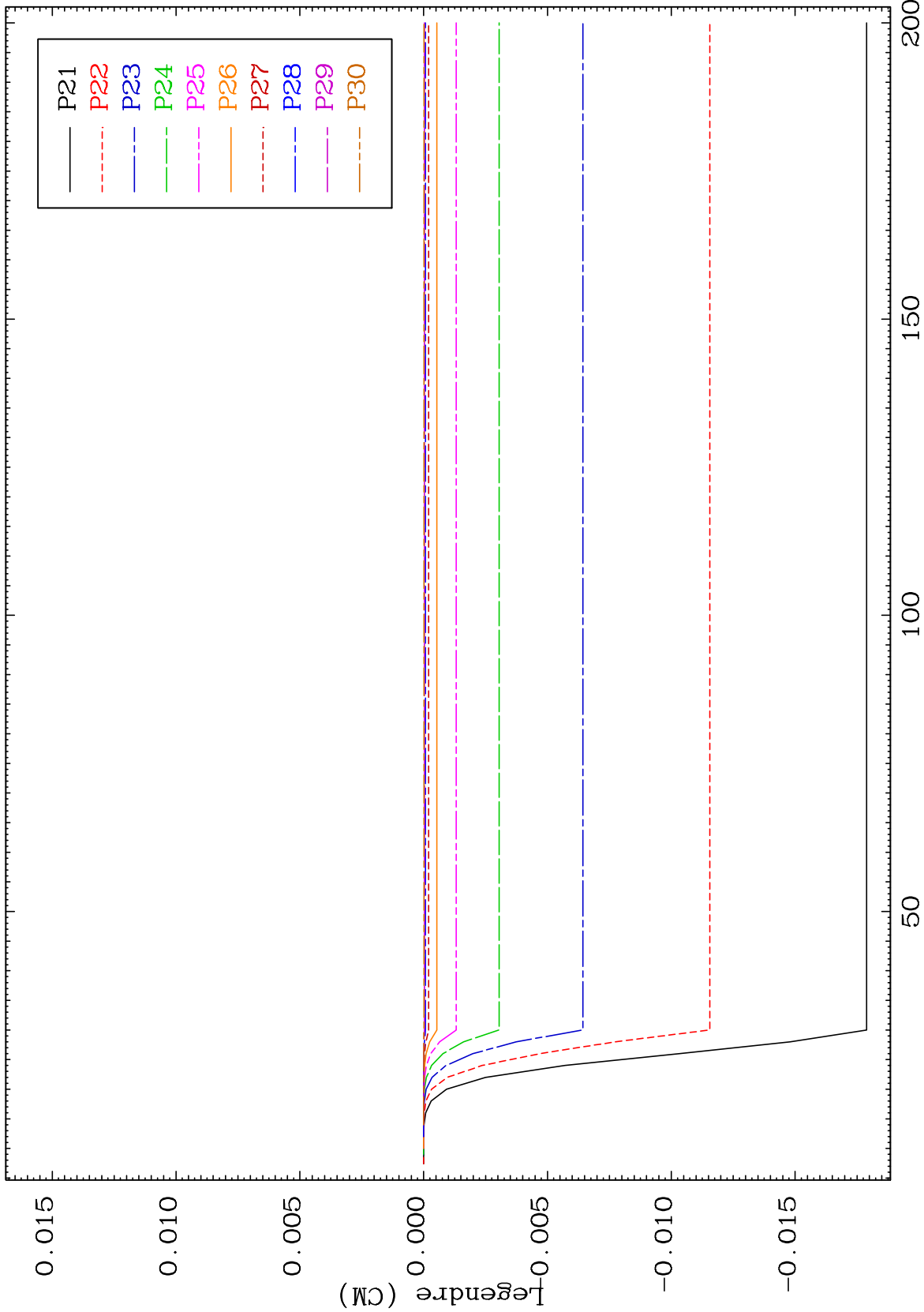
Incident Energy (MeV)

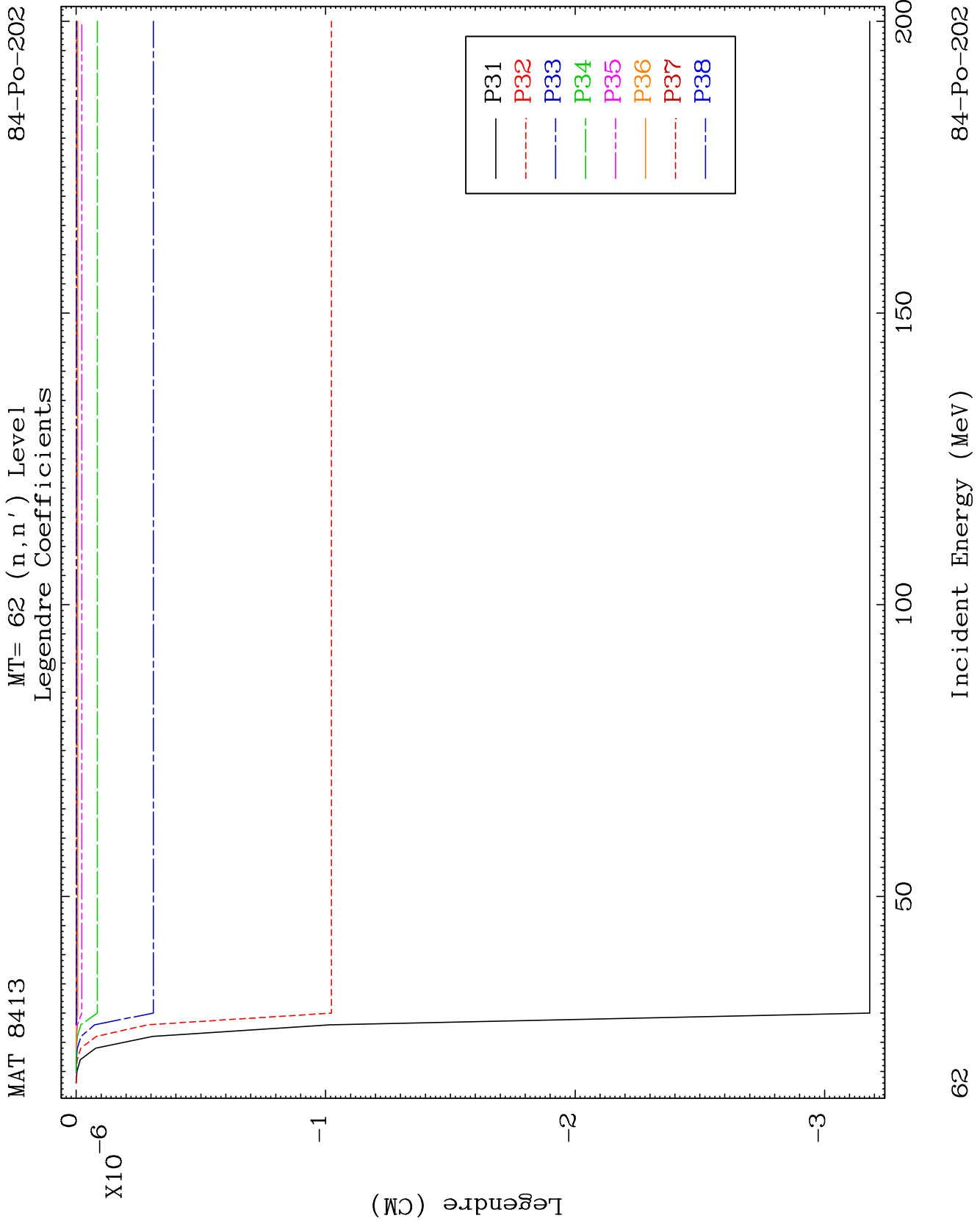
60

MAT 8413

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

84-Po-202

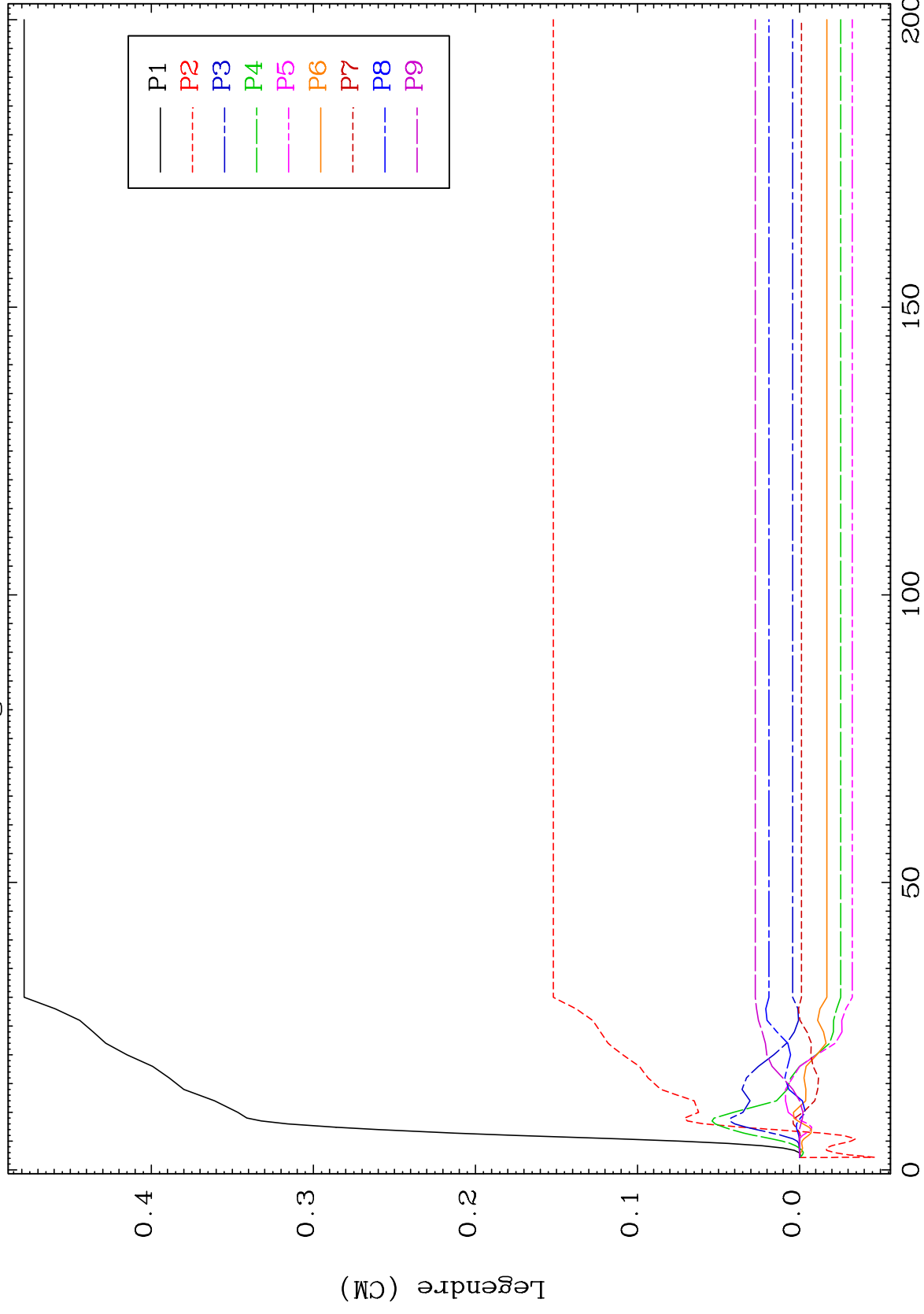




MAT 8413

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

84-Po-202



63

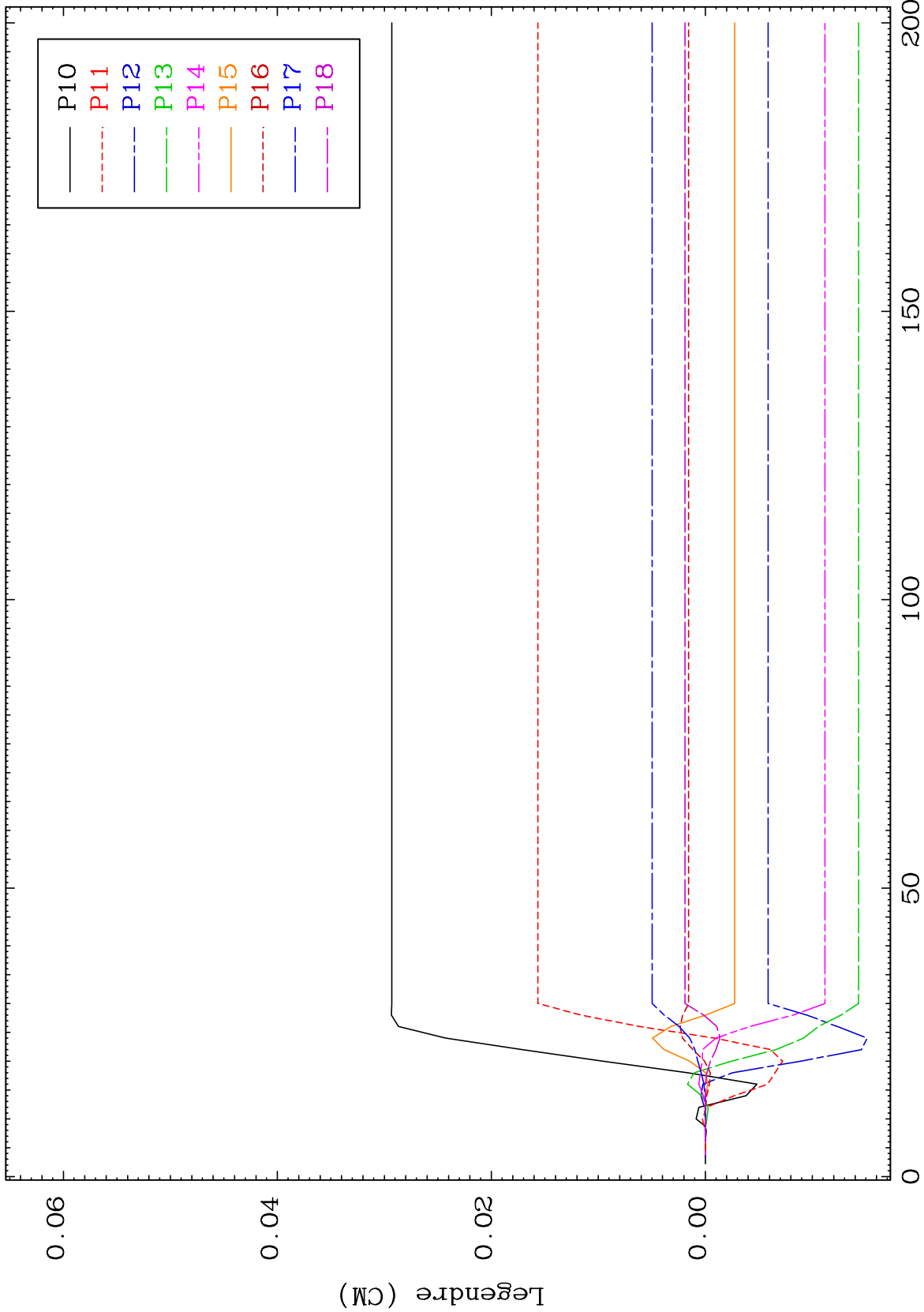
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



64

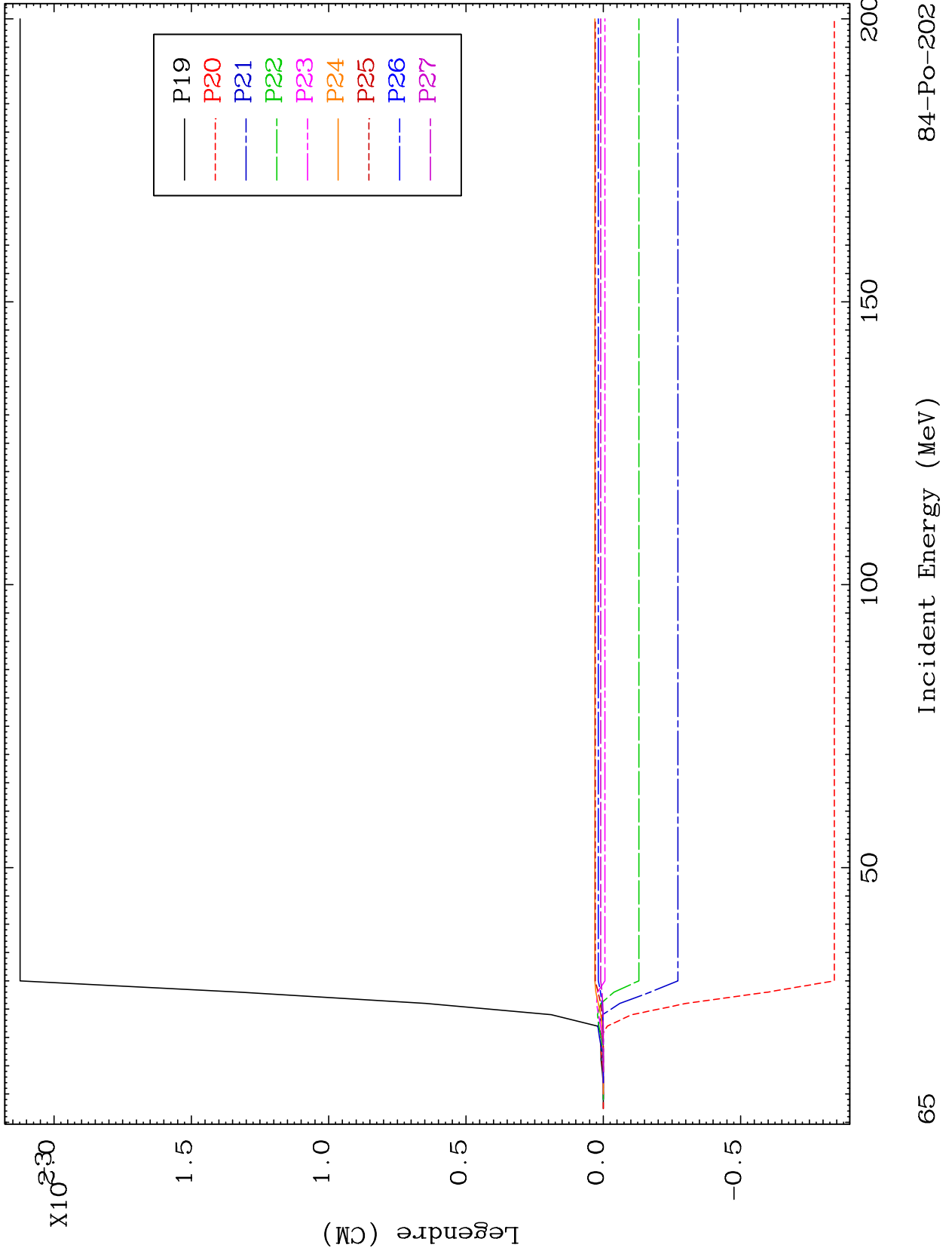
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



65

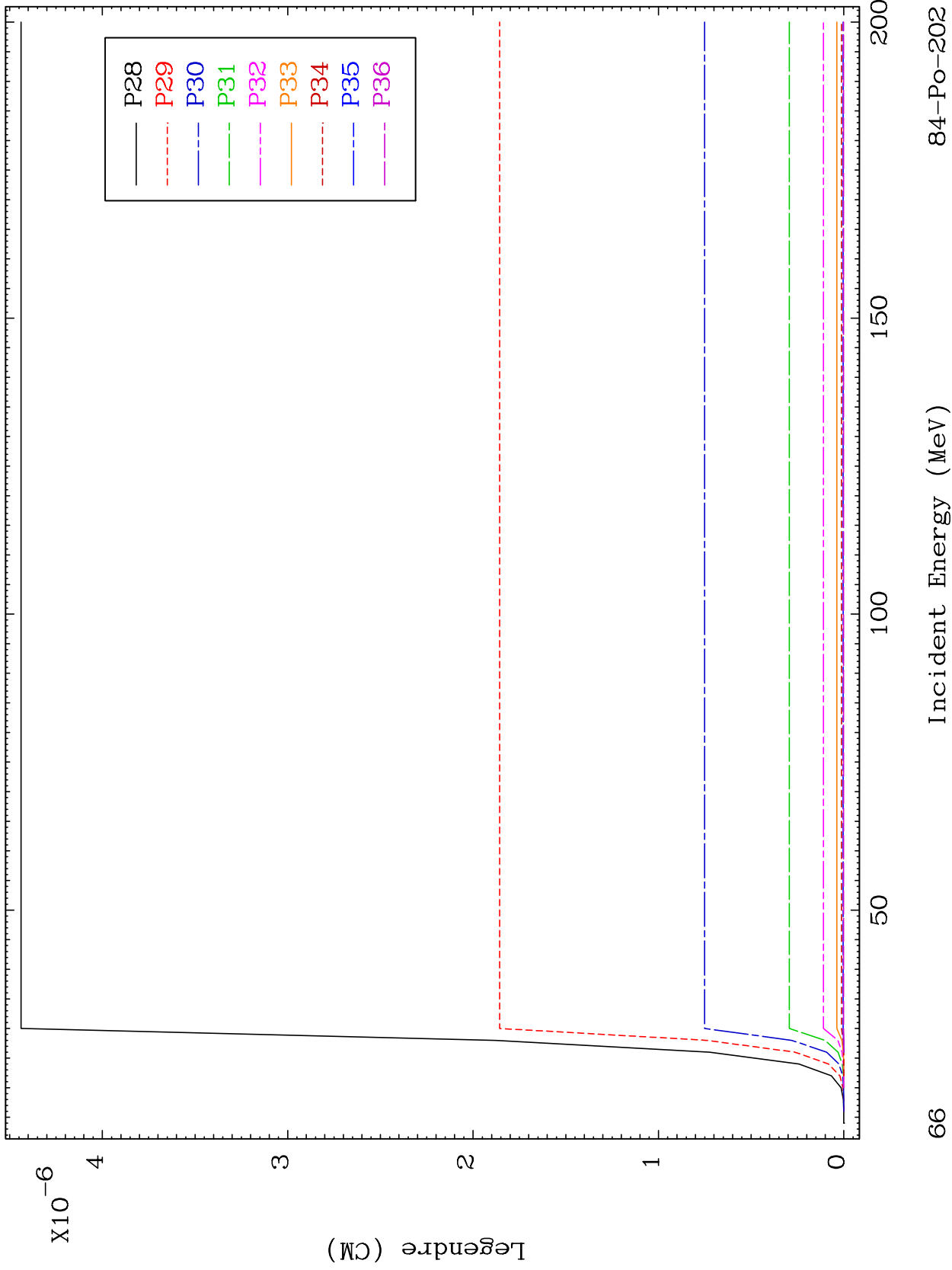
Incident Energy (MeV)

84-Po-202

MAT 8413

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

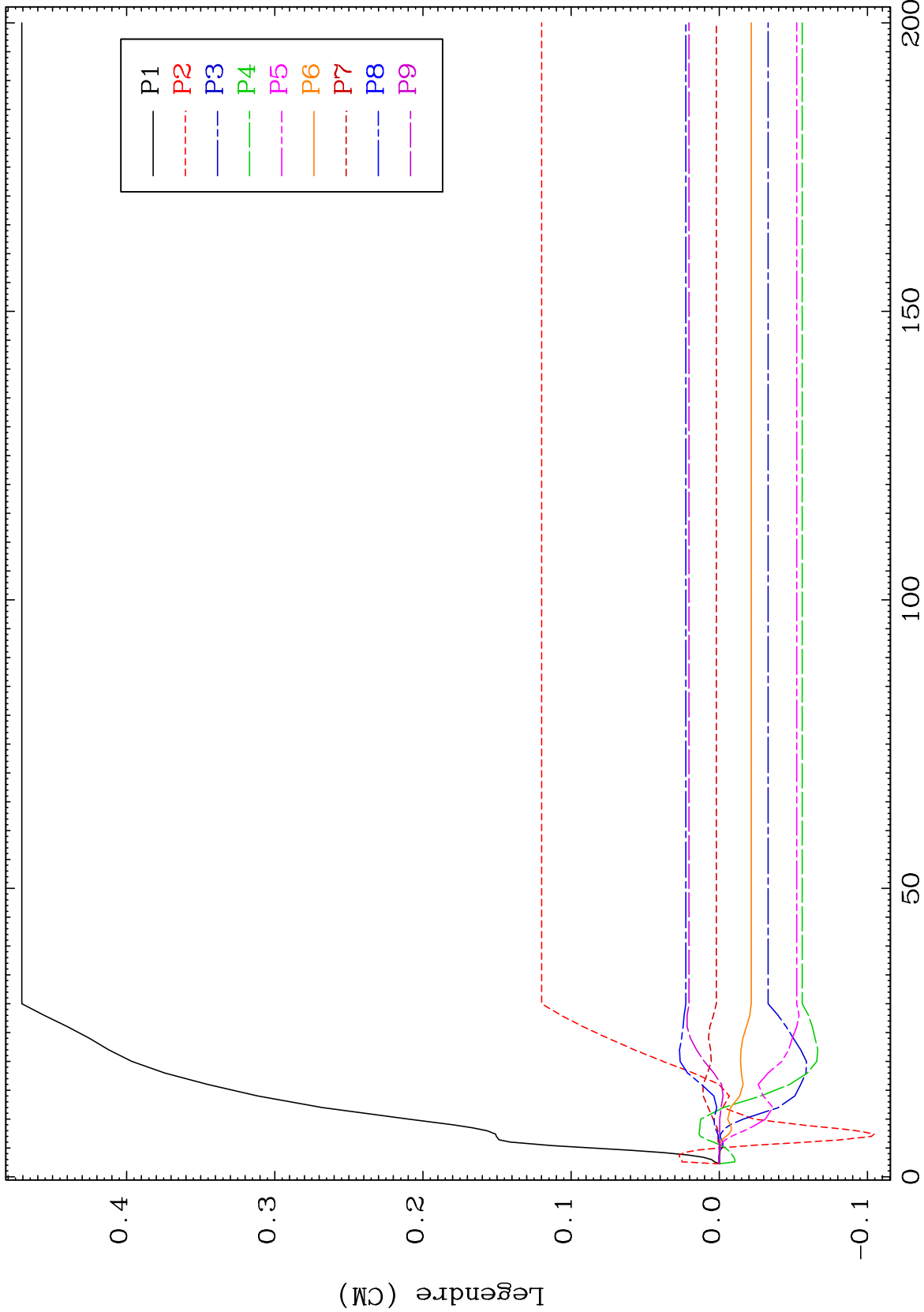
84-Po-202



MAT 8413

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

84-Po-202



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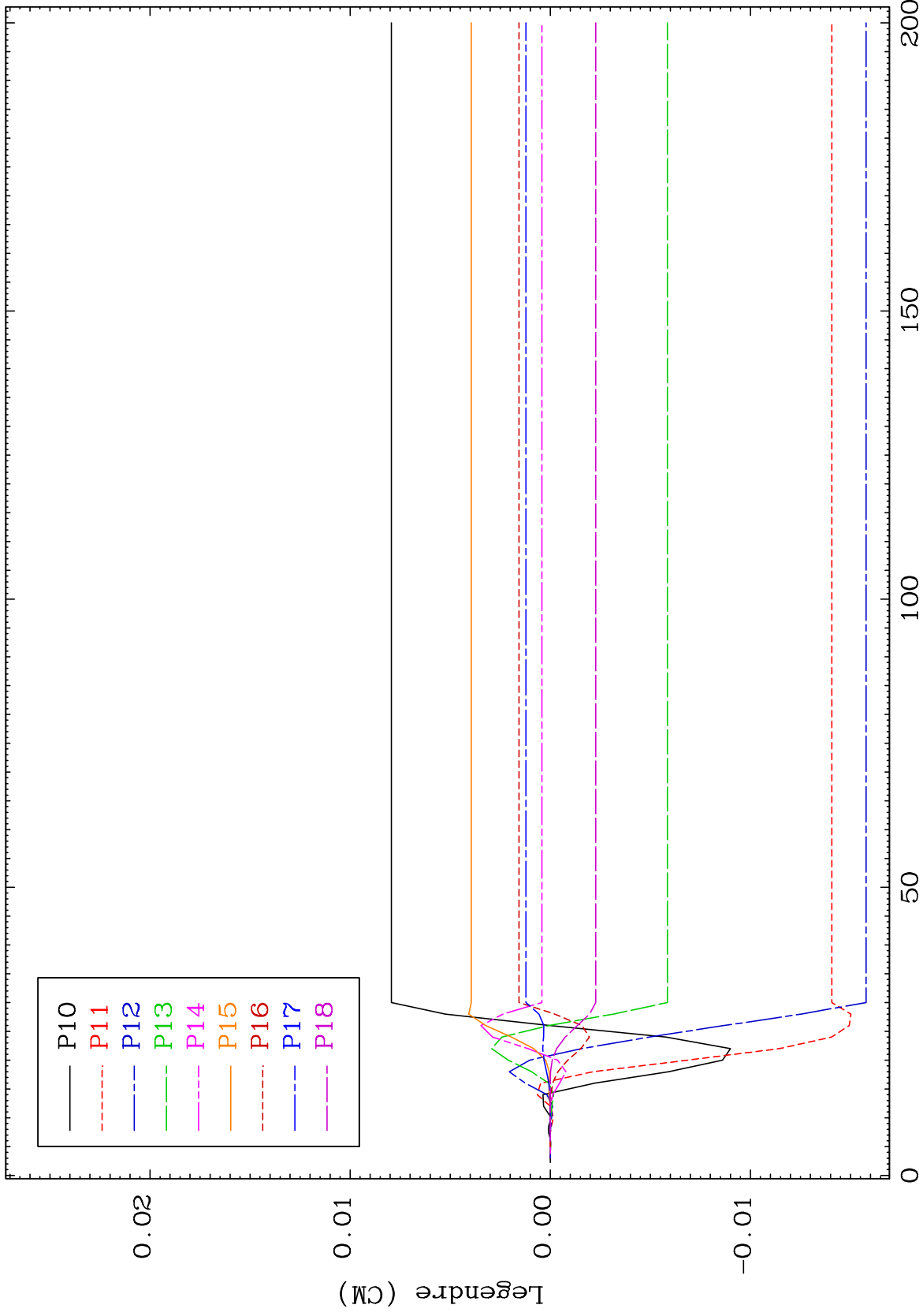
Incident Energy (MeV)

84-Po-202

MAT 8413

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

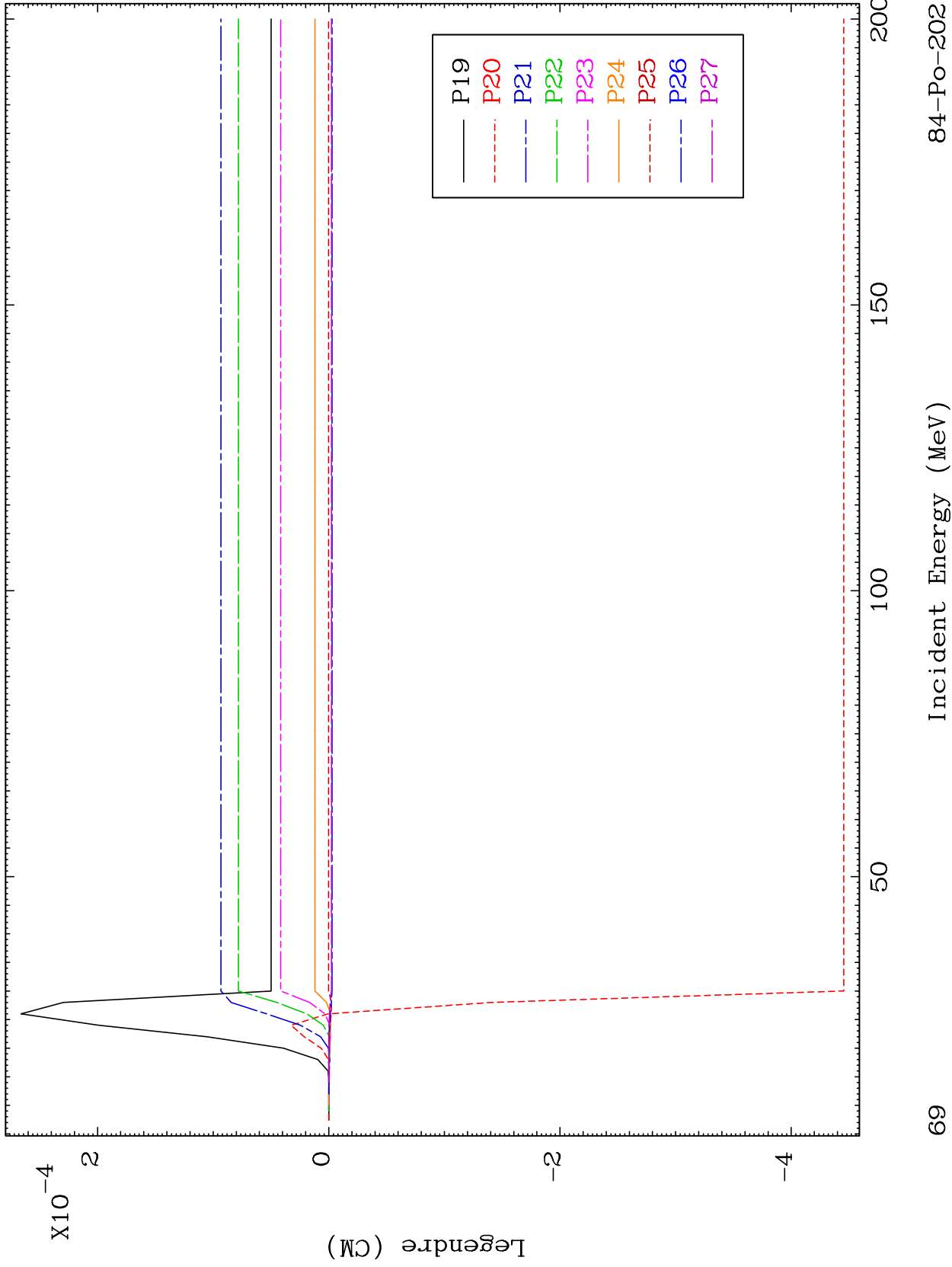
84-Po-202



68

Incident Energy (MeV)

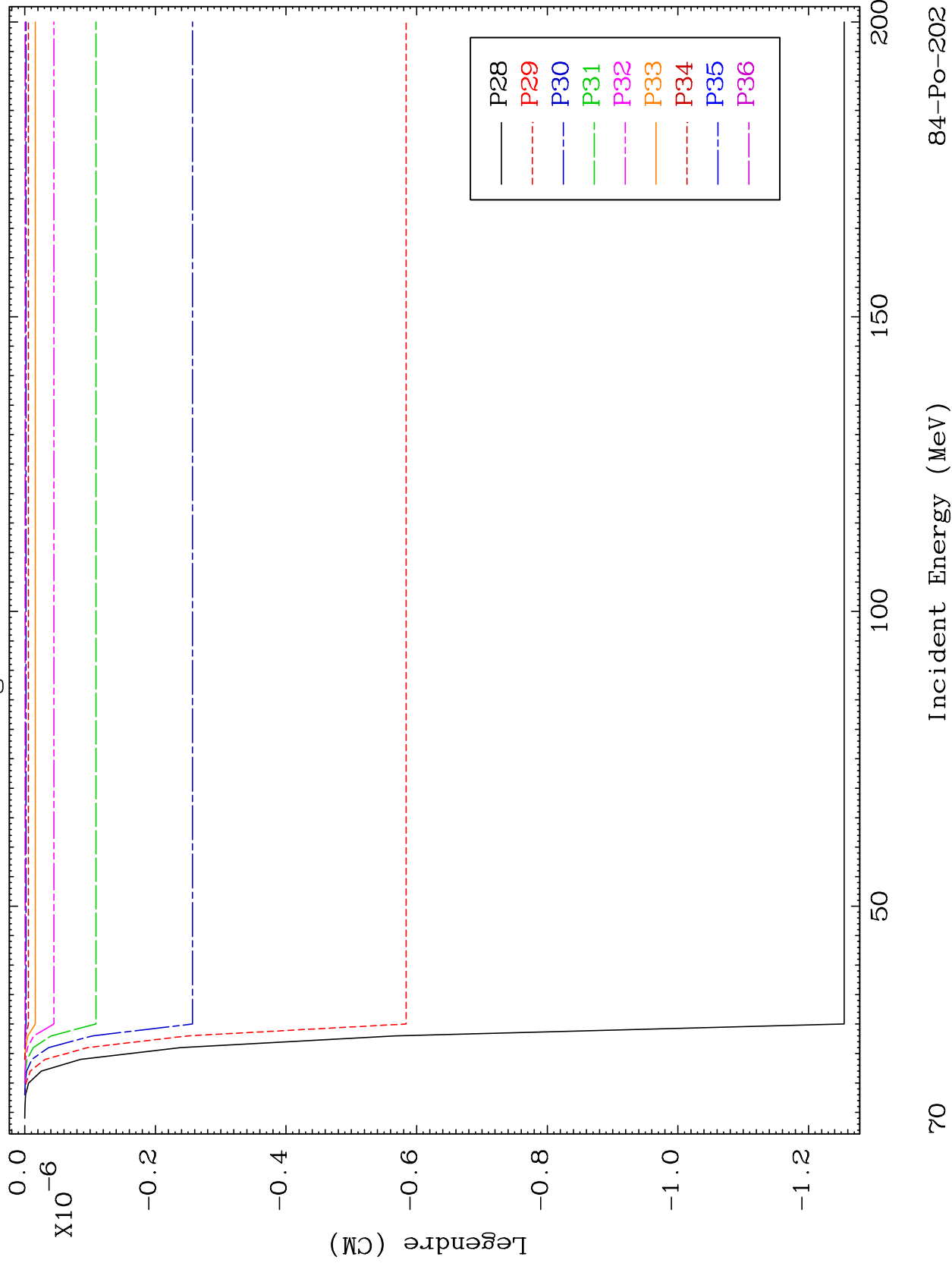
84-Po-202



MAT 8413

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

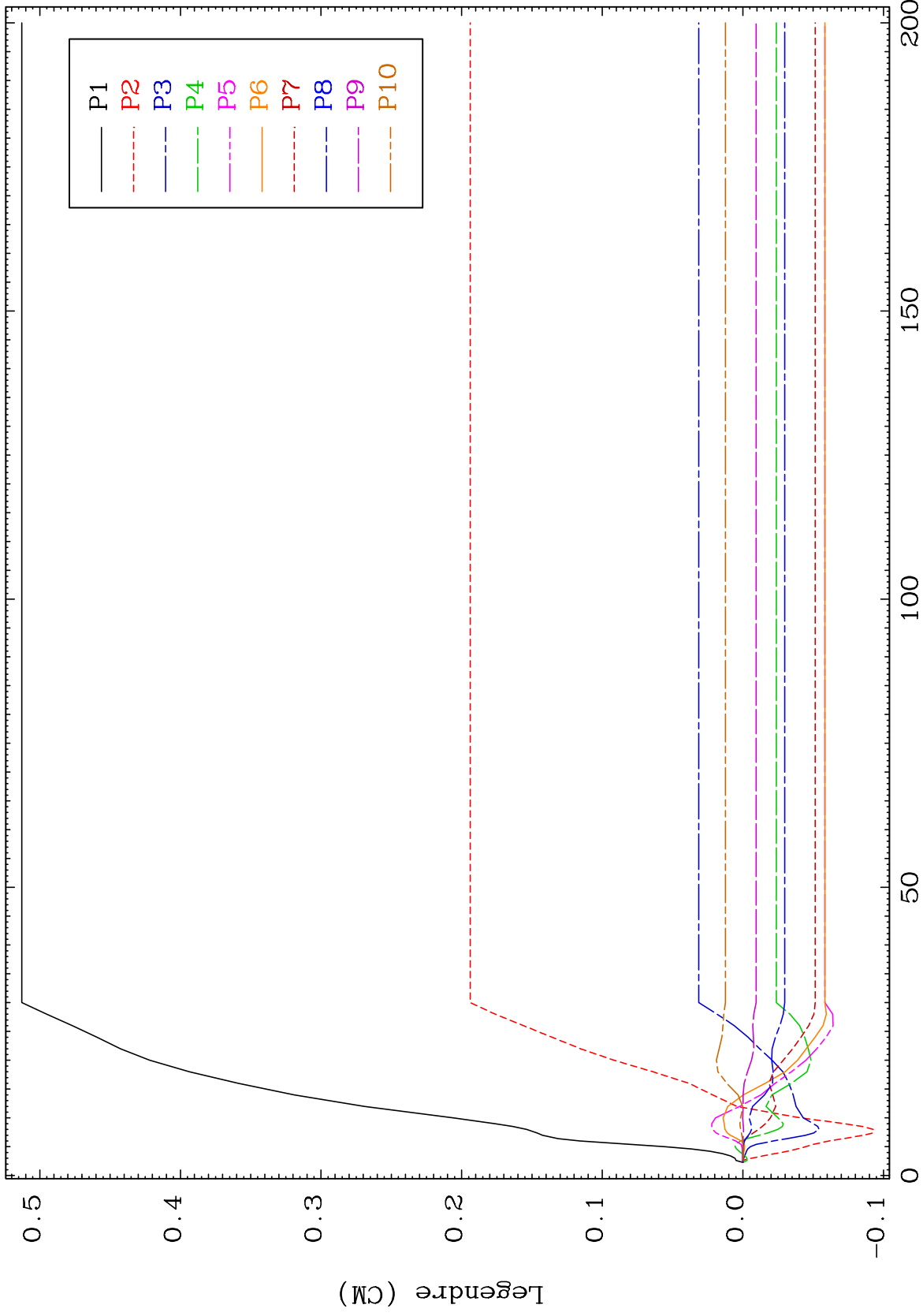
84-Po-202



MAT 8413

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

84-Po-202



71

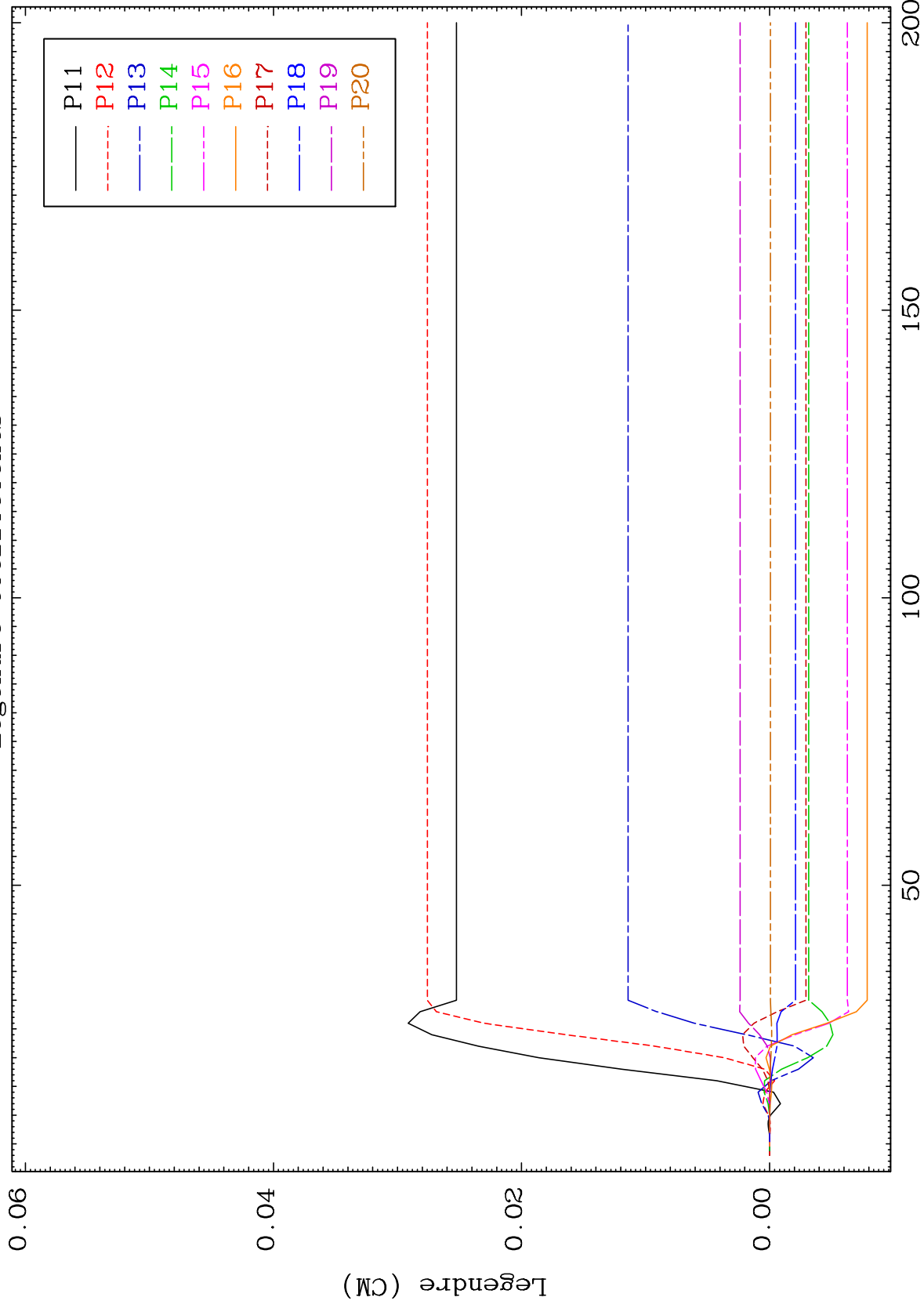
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



72

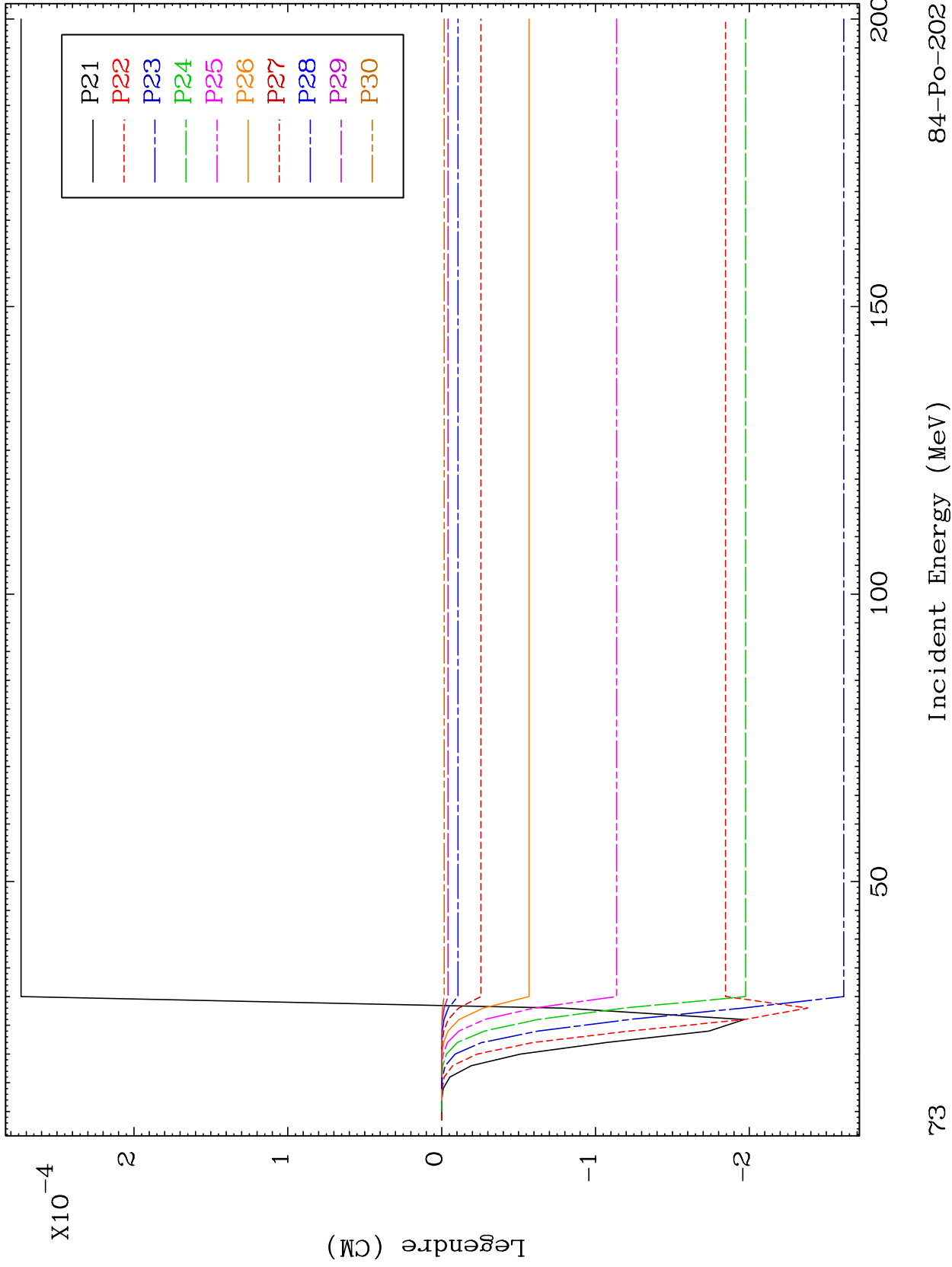
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



73

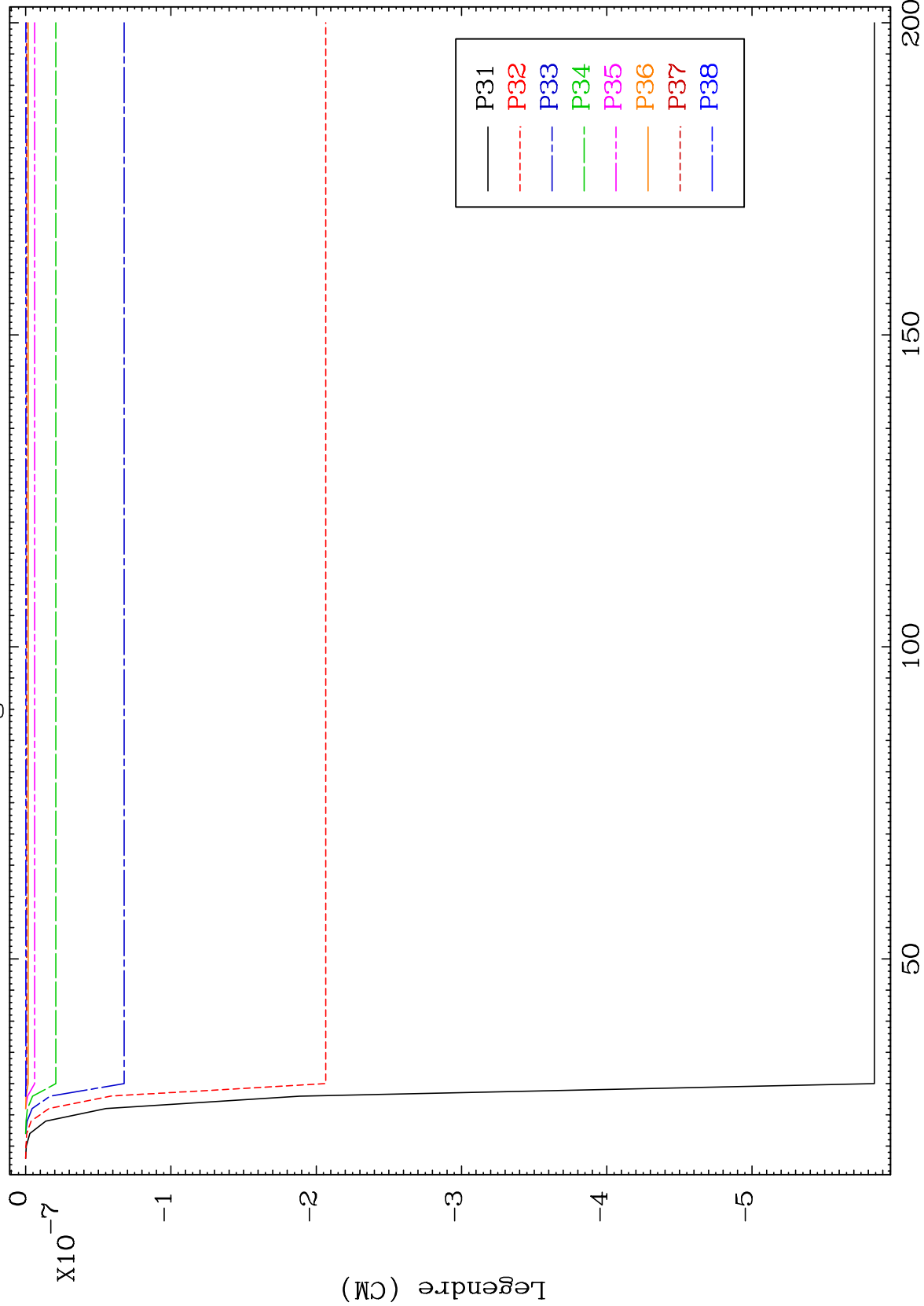
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



74

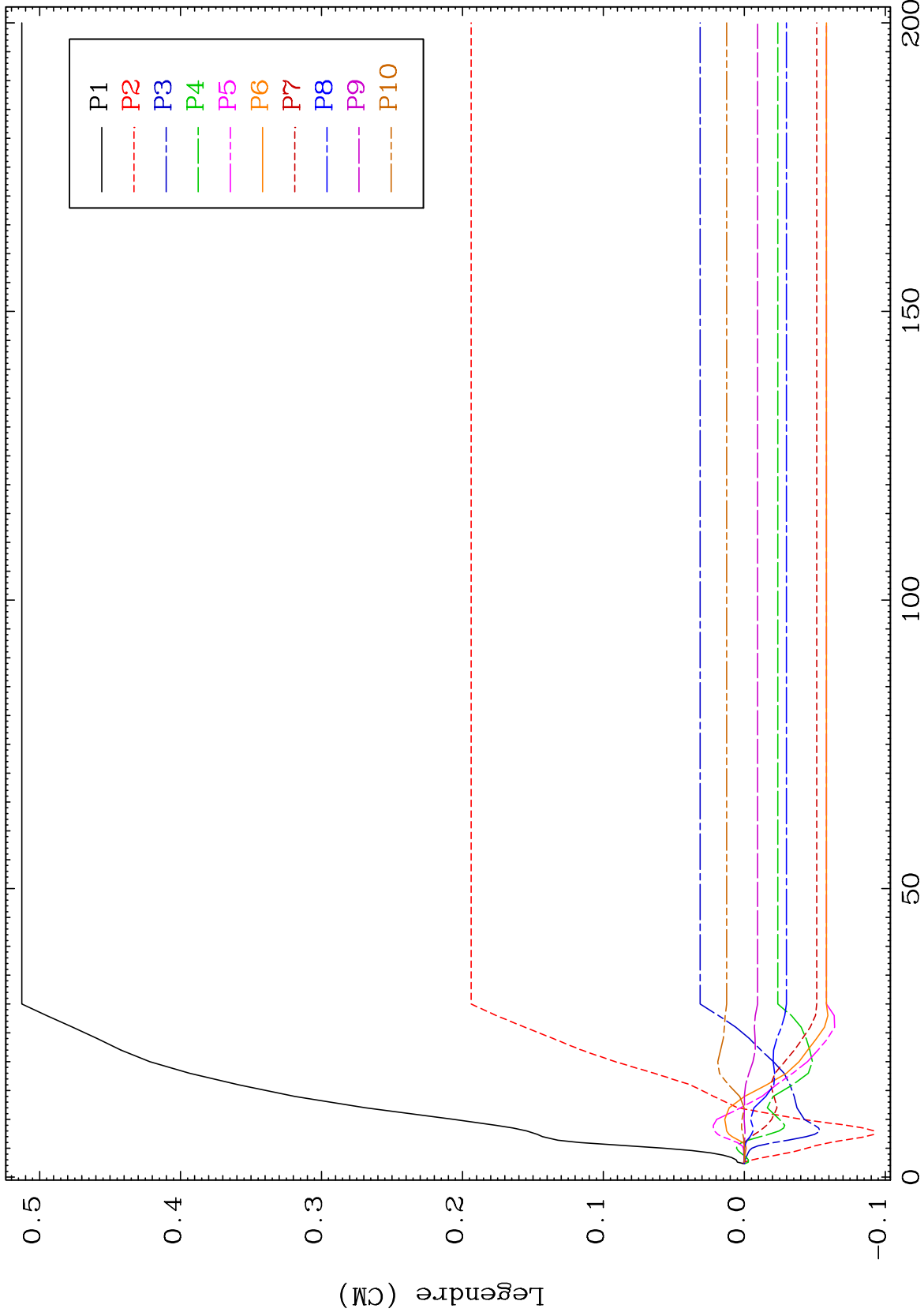
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



75

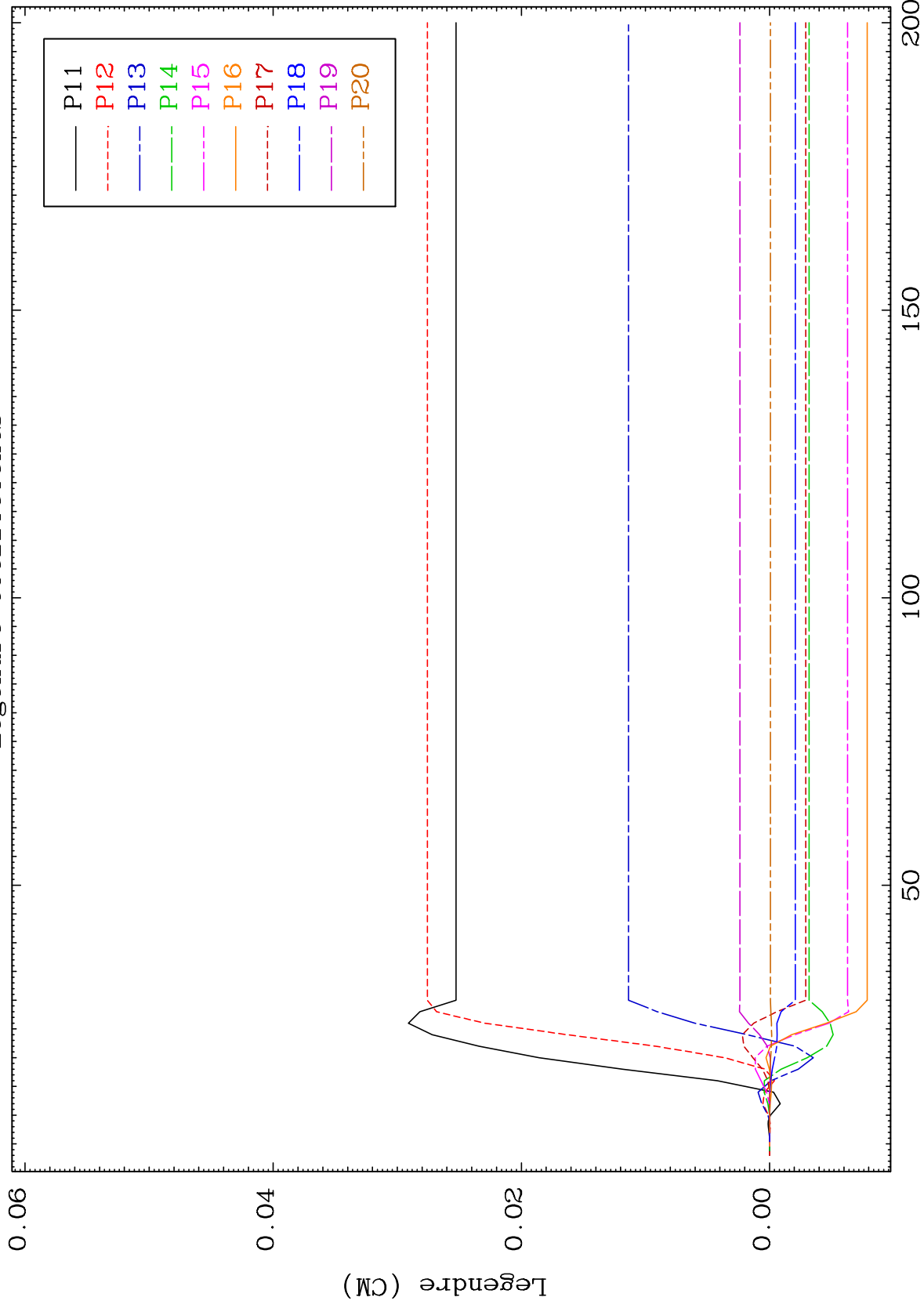
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



76

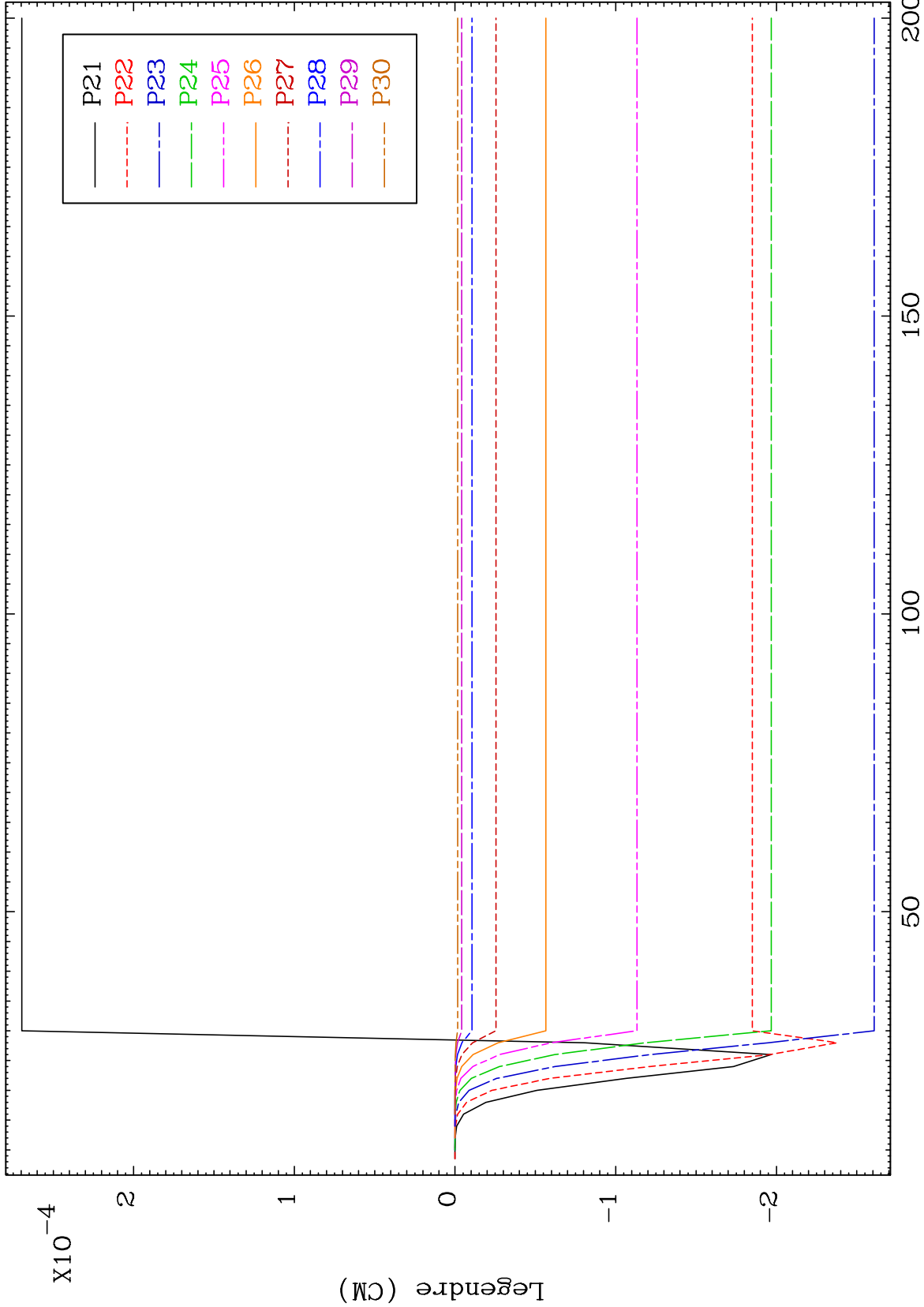
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



77

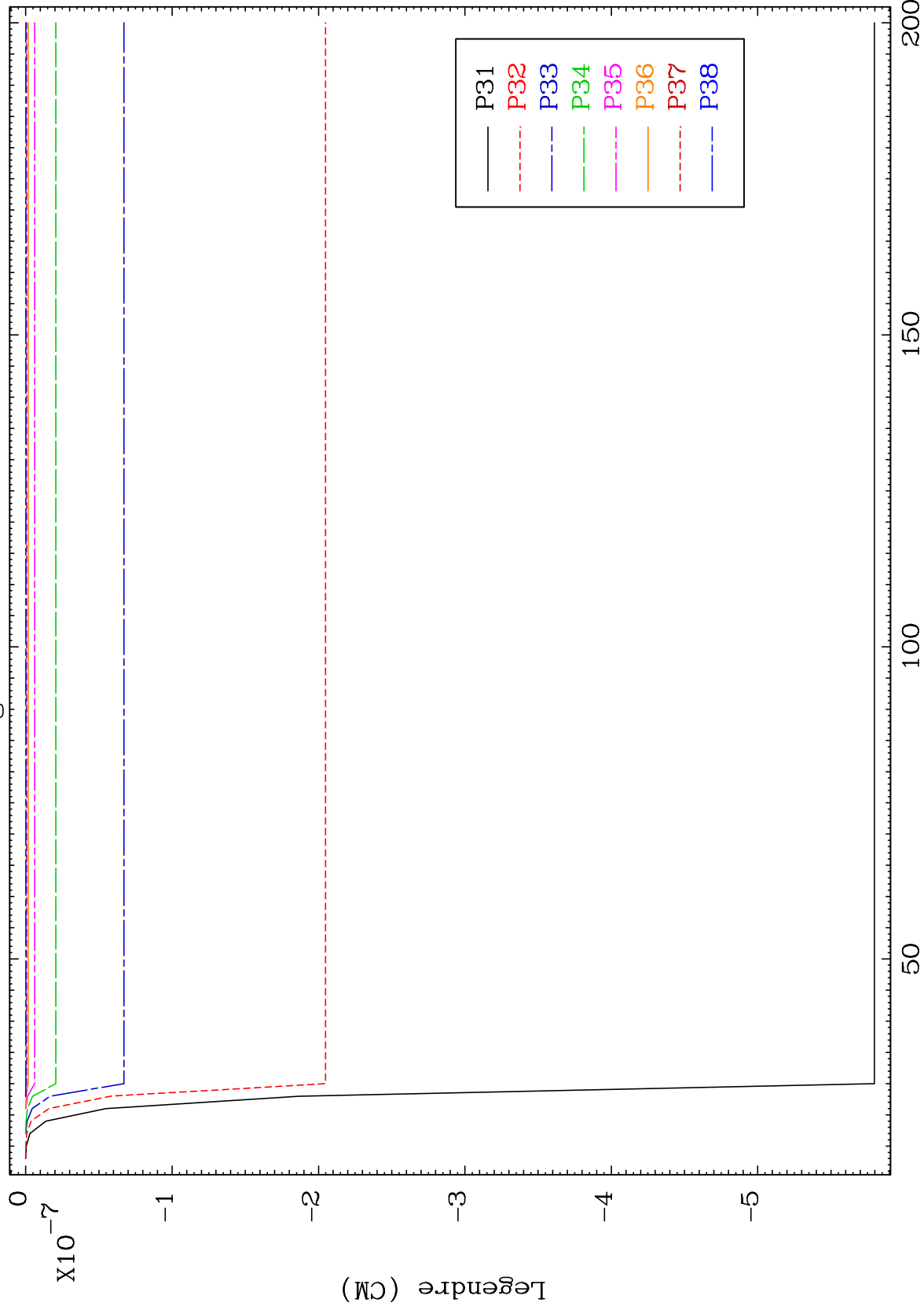
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



78

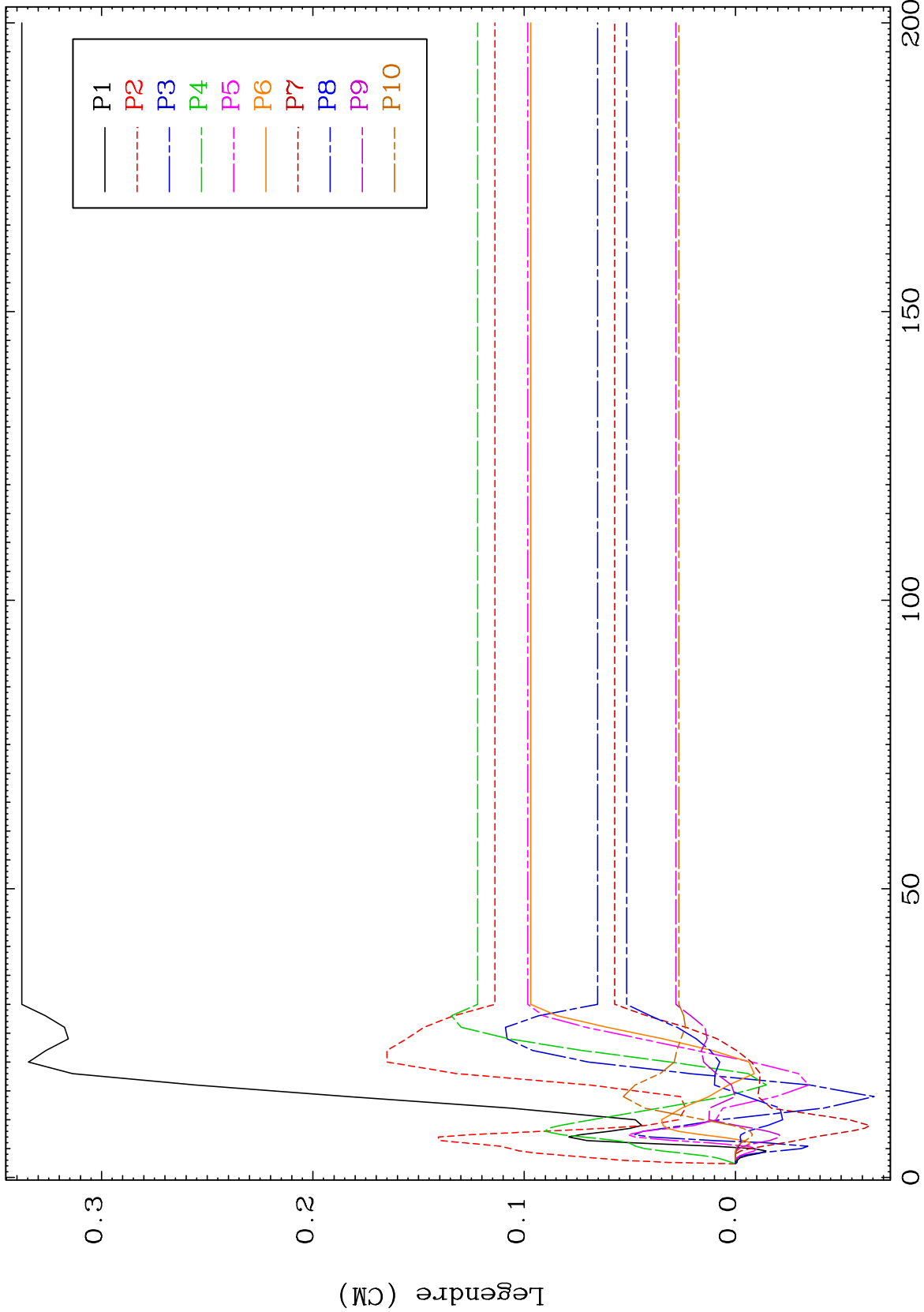
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



79

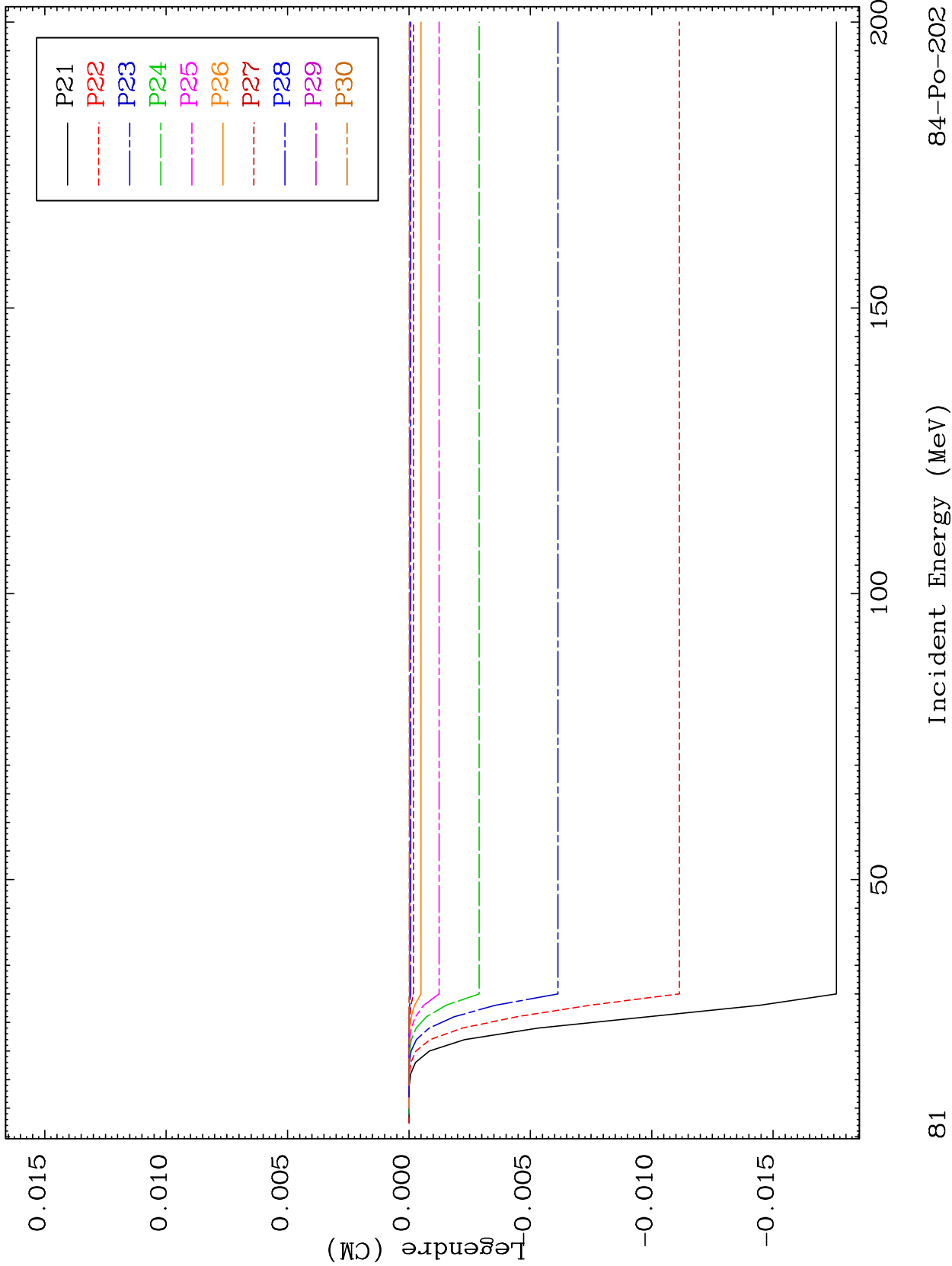
Incident Energy (MeV)

84-Po-202

MAT 8413

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

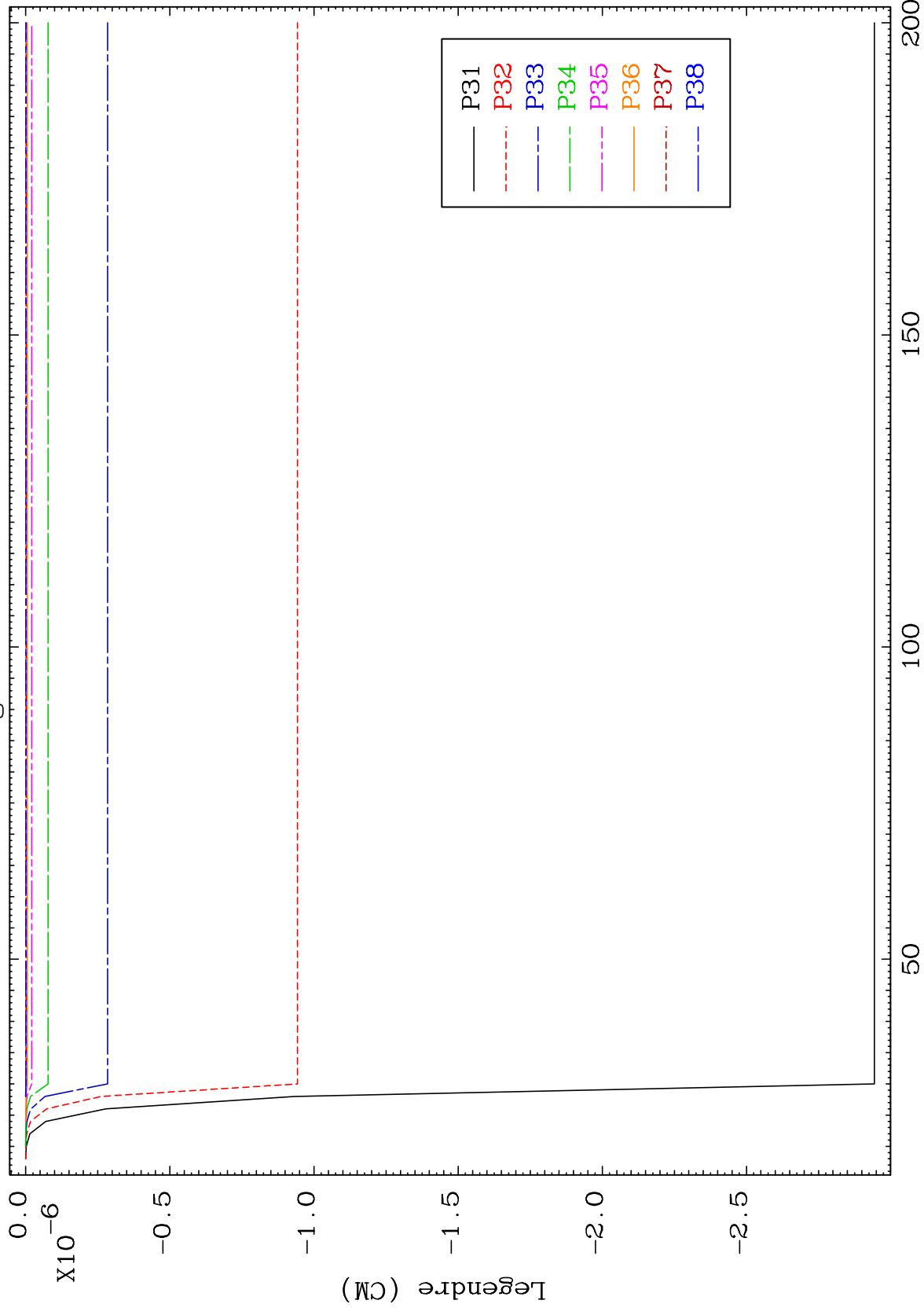
84-Po-202



MAT 8413

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

84-Po-202



82

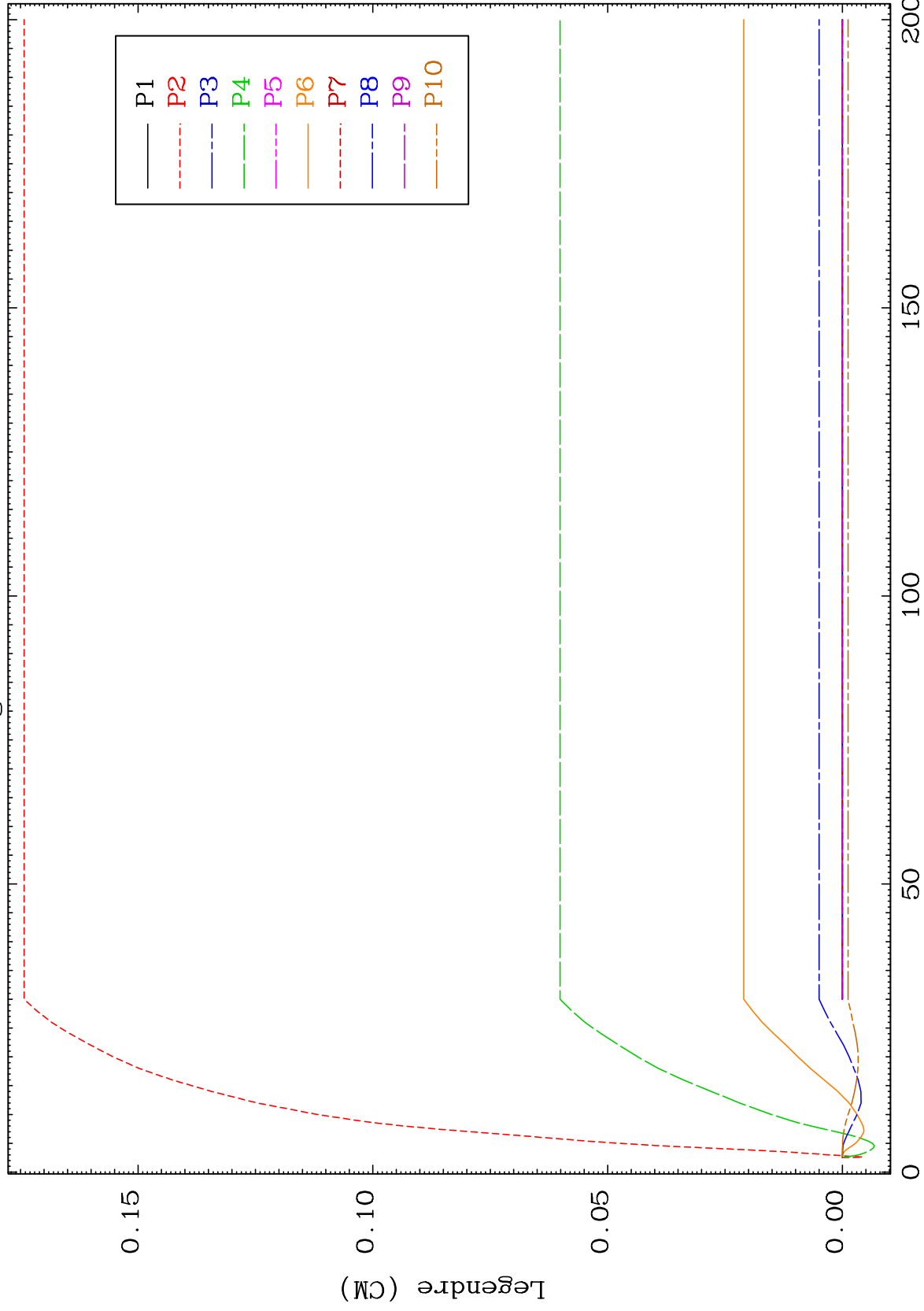
Incident Energy (MeV)

84-Po-202

MAT 8413

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

84-Po-202



83

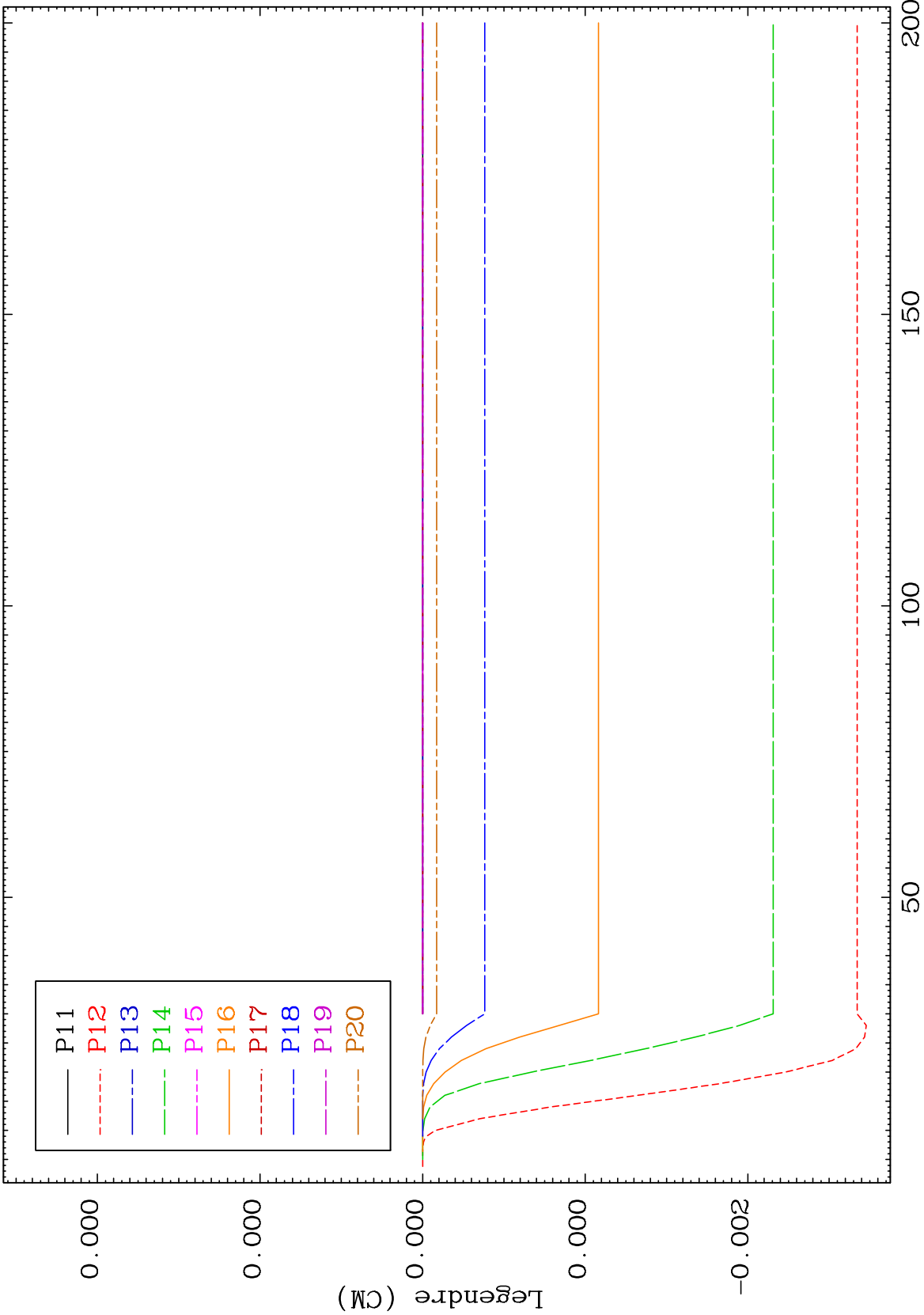
Incident Energy (MeV)

84-Po-202

MAT 8413

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

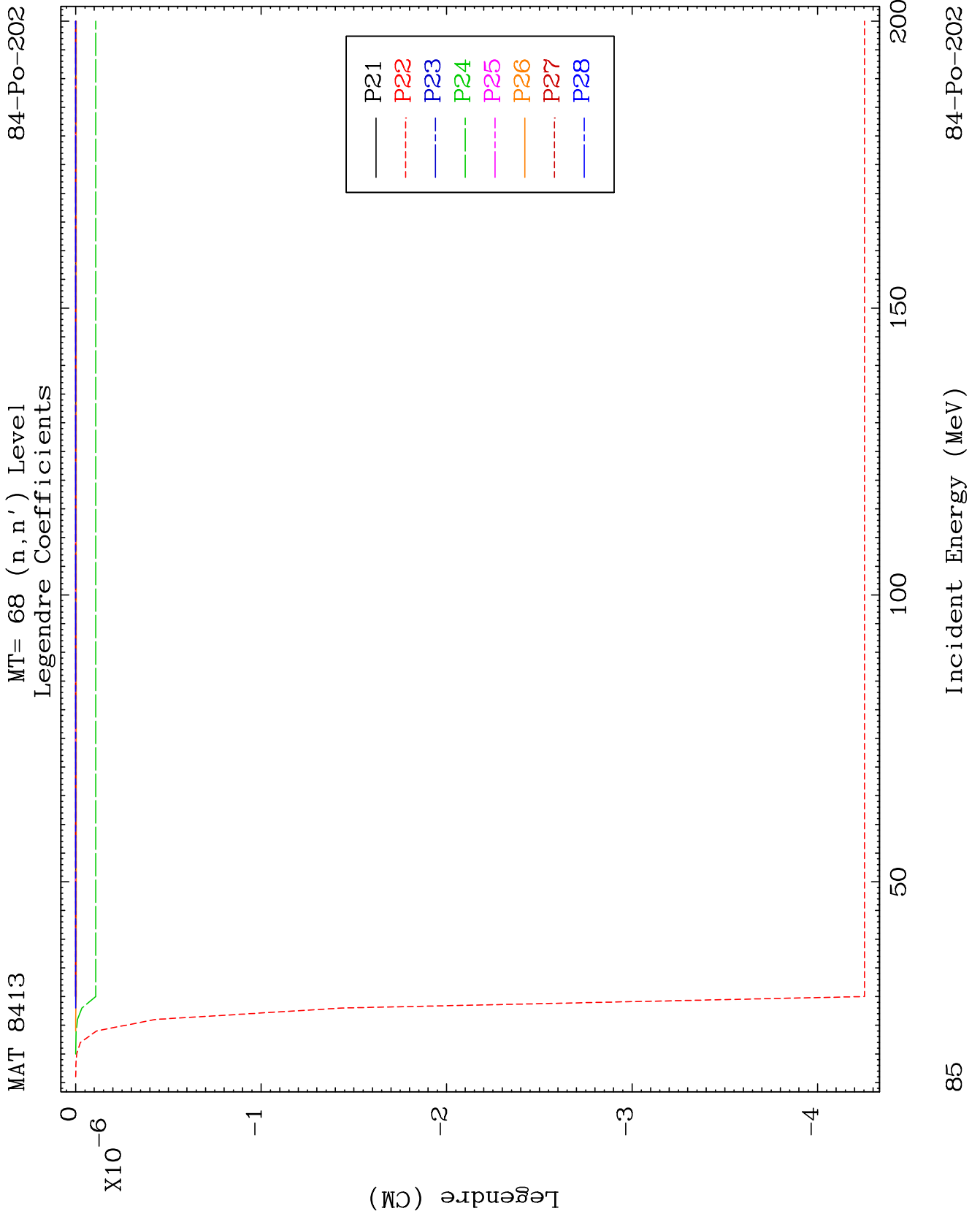
84-Po-202



84

Incident Energy (MeV)

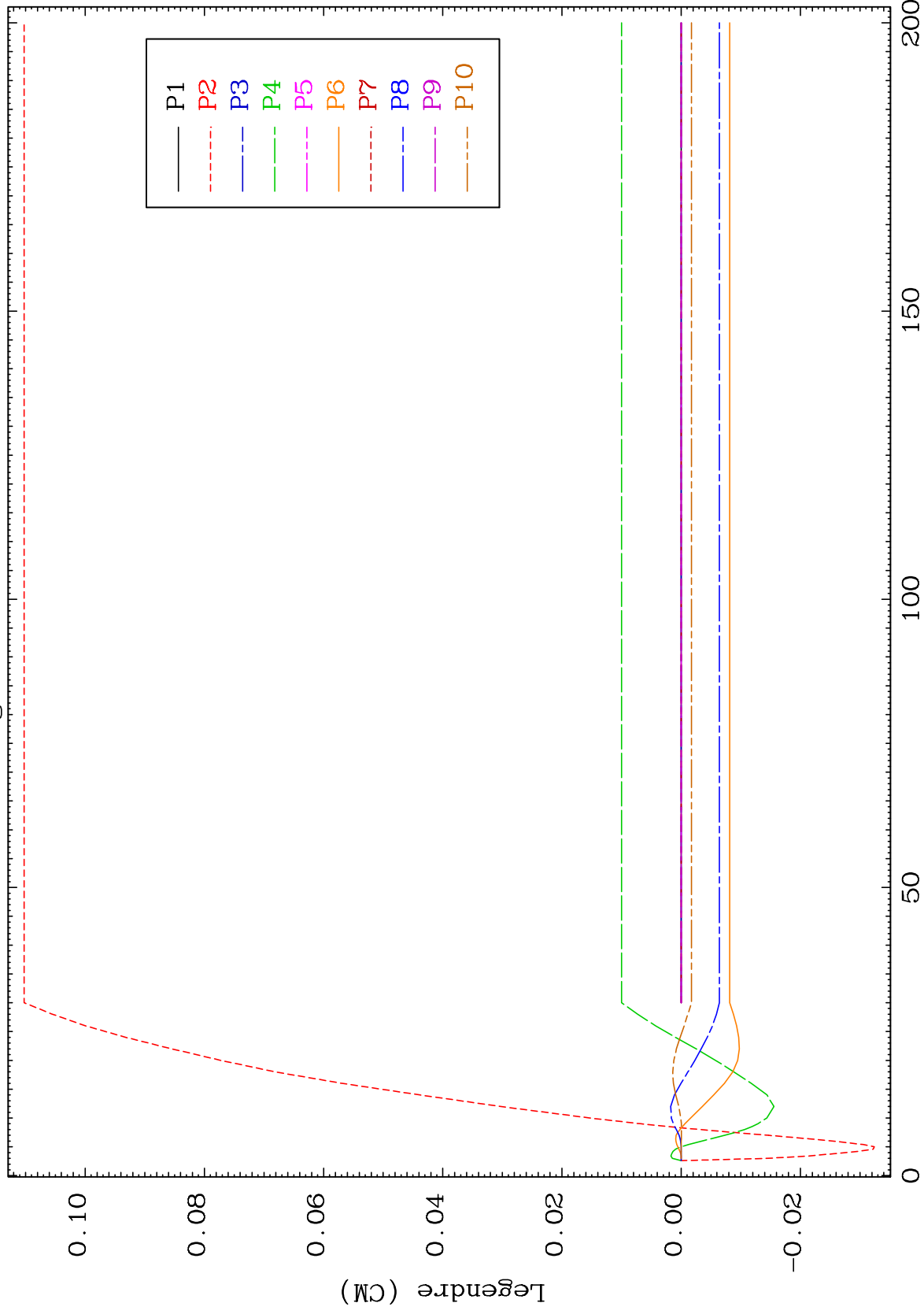
84-Po-202



MAT 8413

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

84-Po-202



84-Po-202

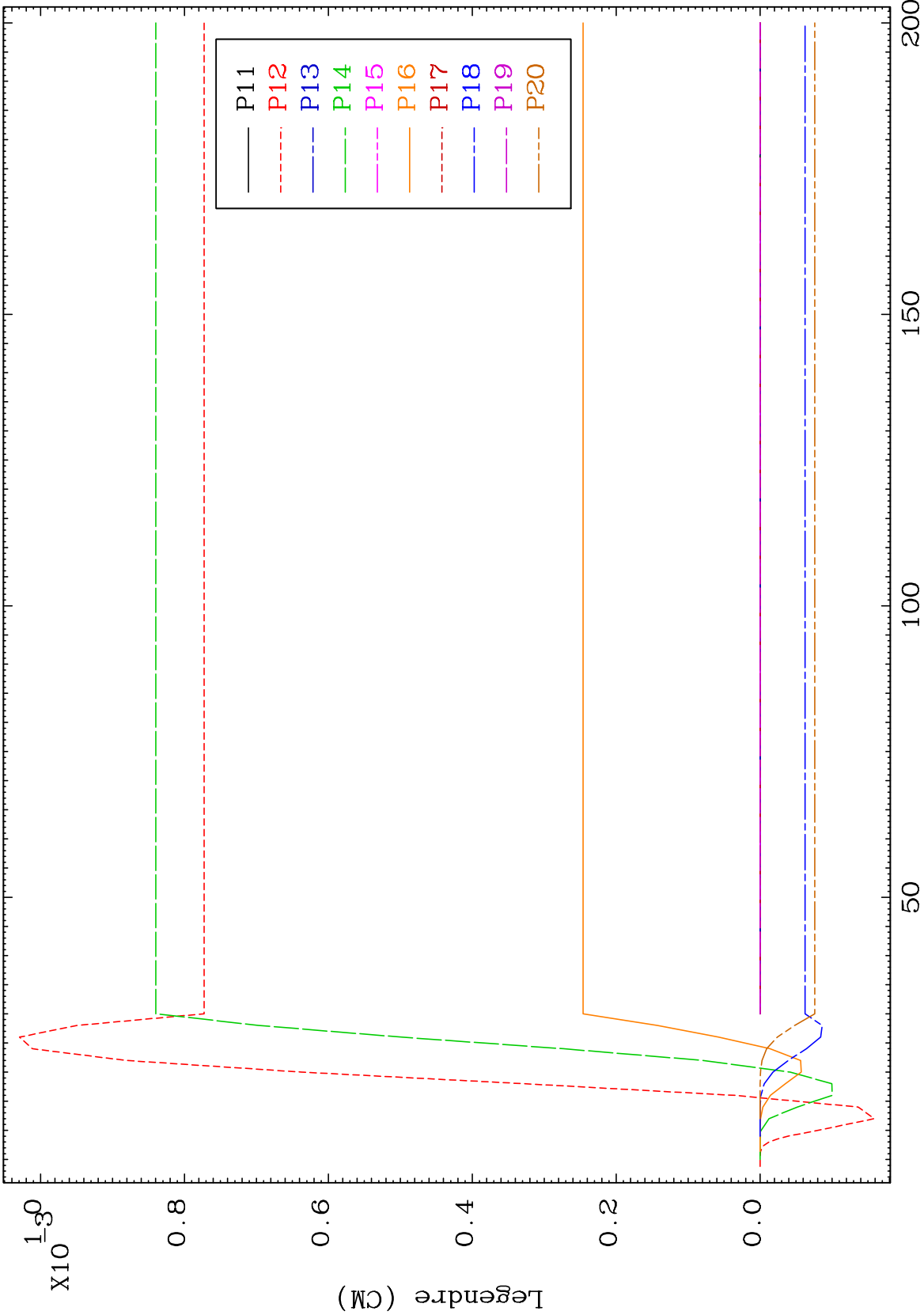
Incident Energy (MeV)

86

MAT 8413

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

84-Po-202



87

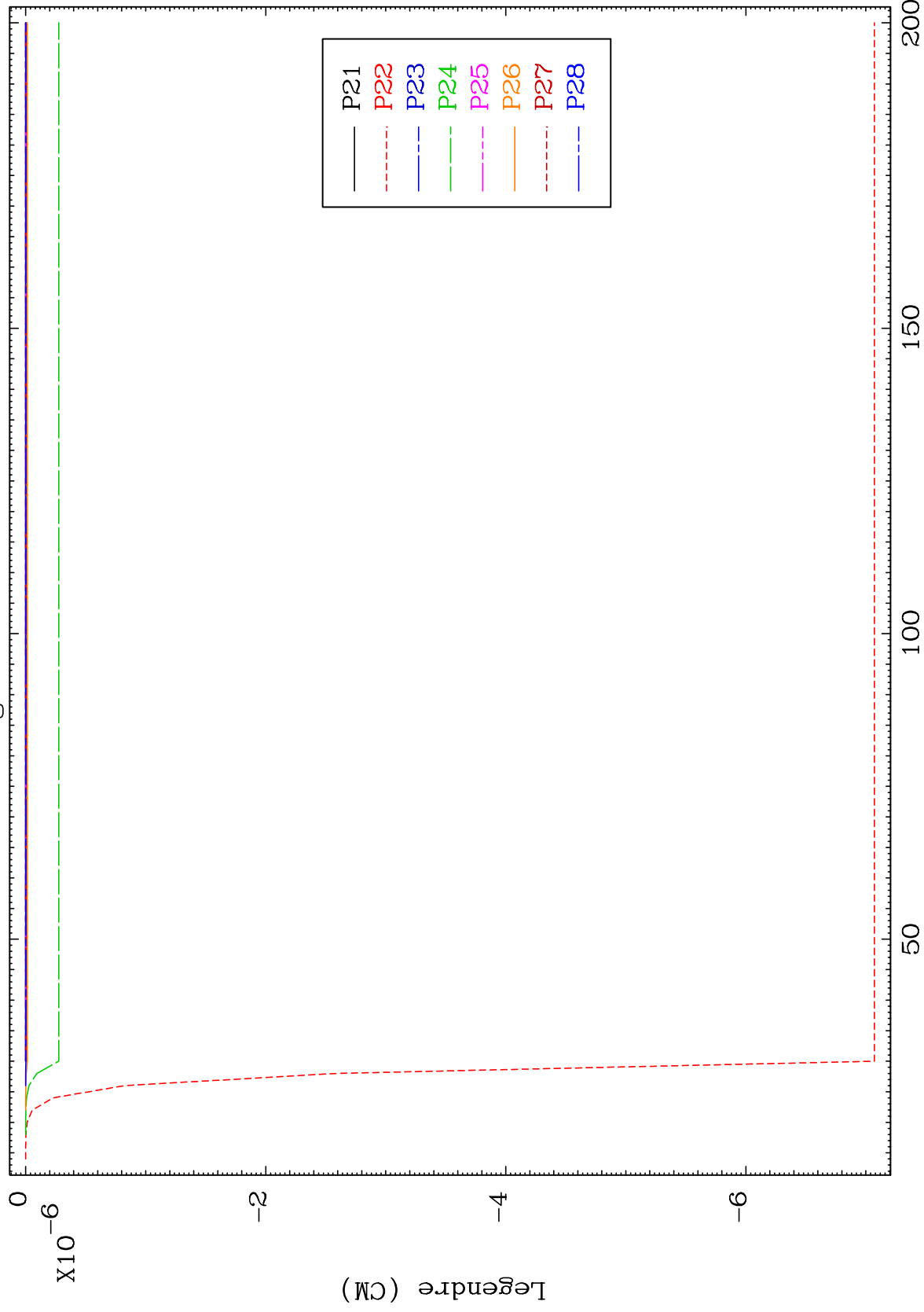
Incident Energy (MeV)

84-Po-202

MAT 8413

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

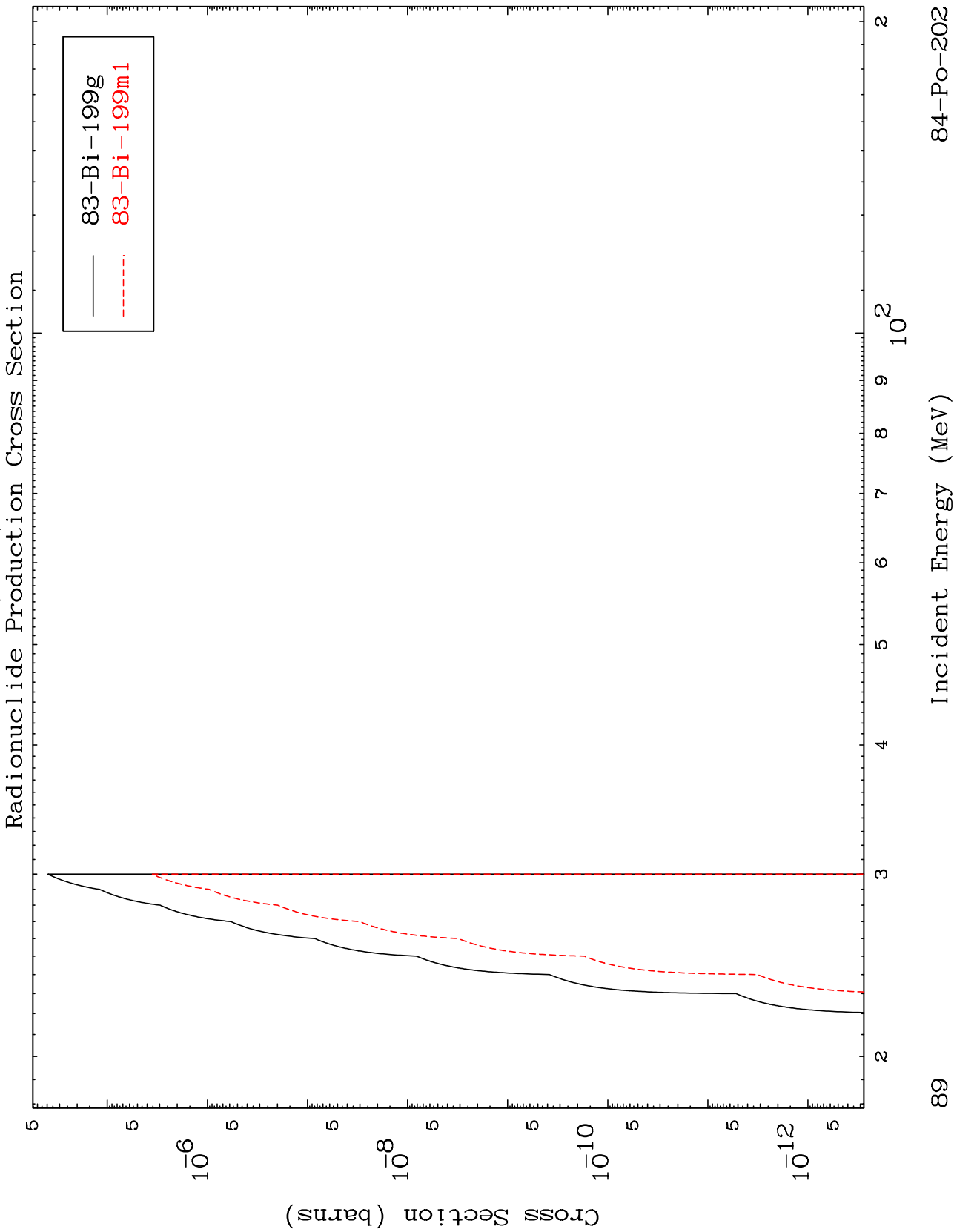
84-Po-202



88

Incident Energy (MeV)

84-Po-202

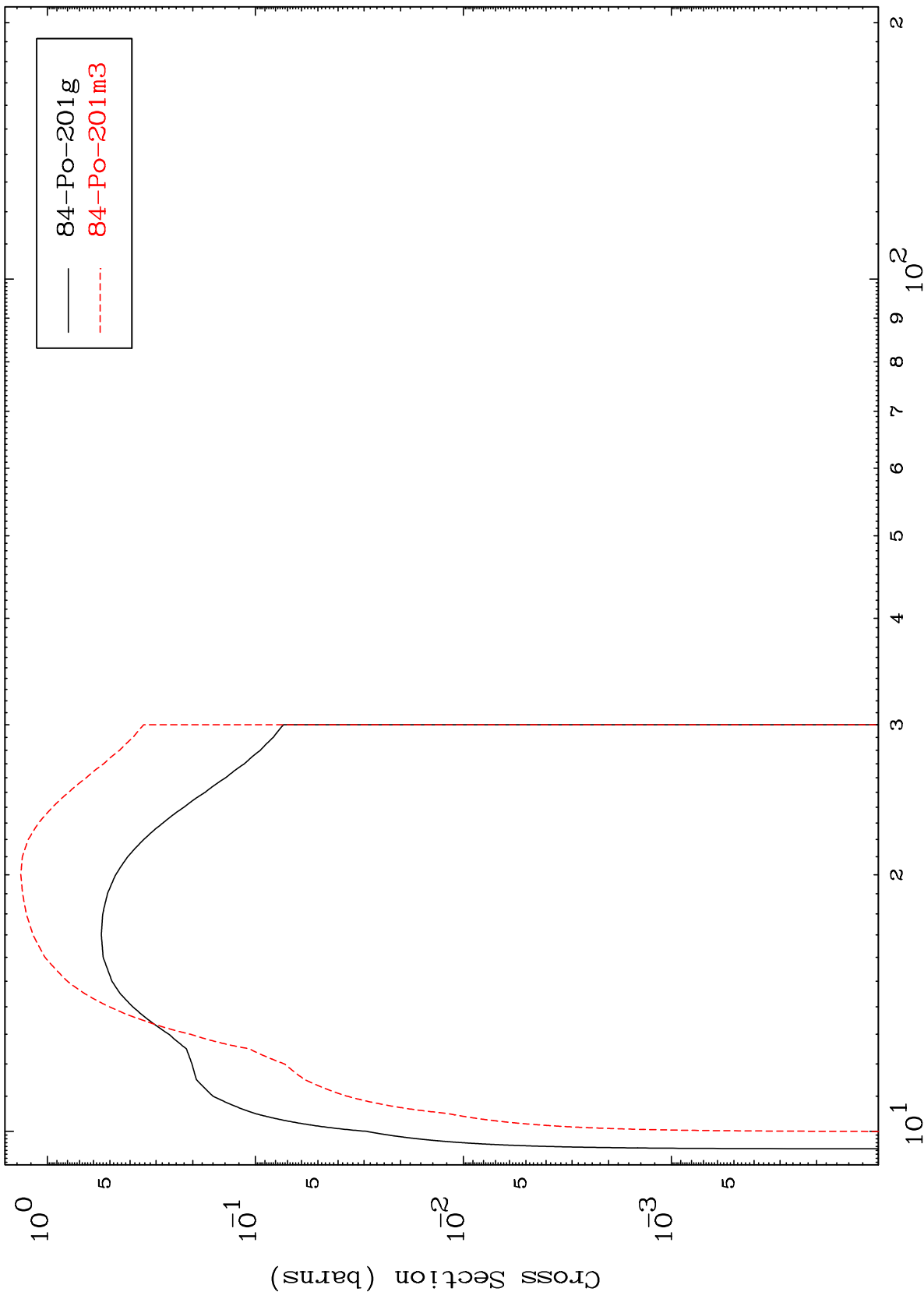


MAT 8413

84-Po-202

(n,2n)

Radionuclide Production Cross Section



84-Po-202

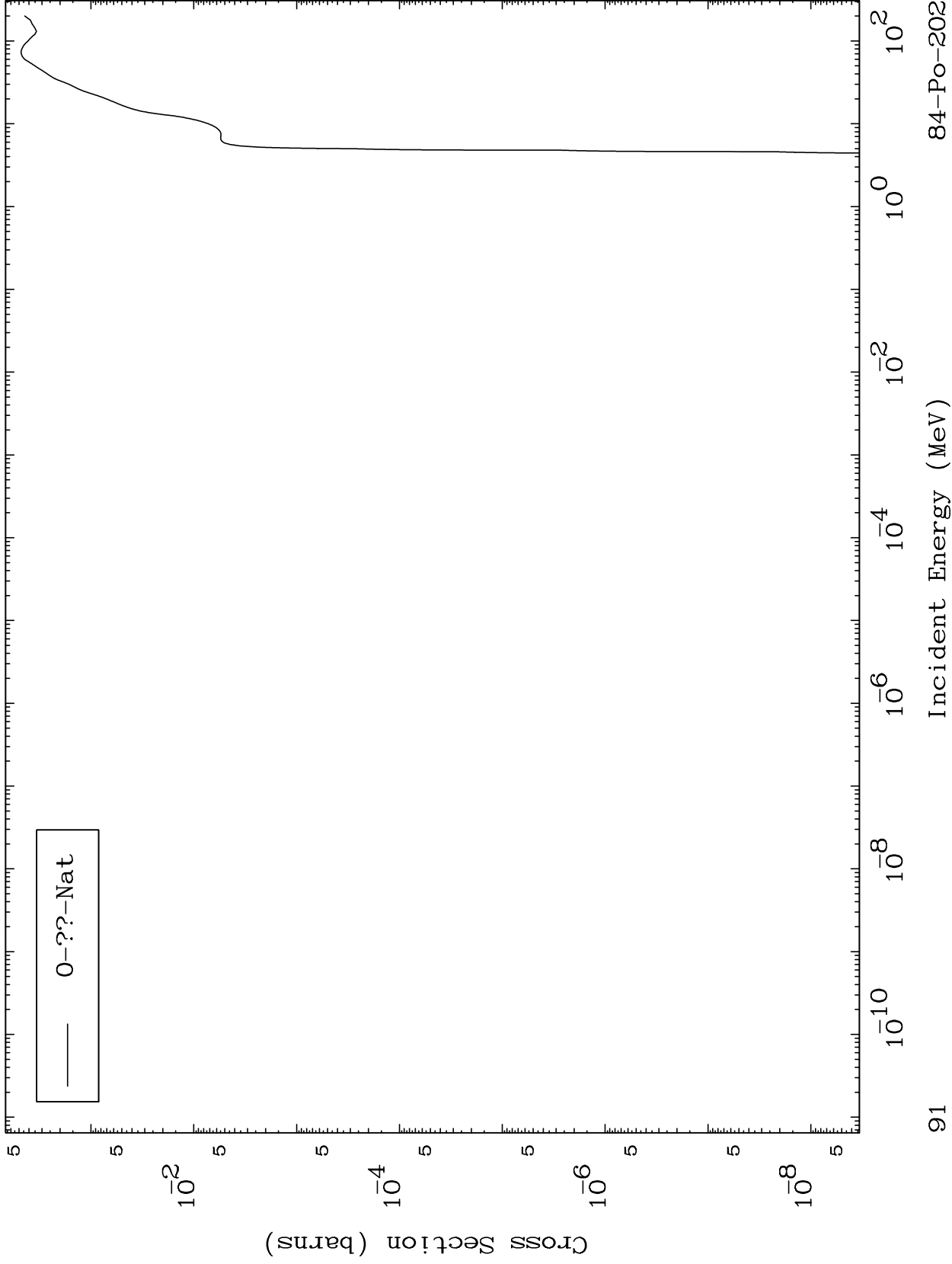
Incident Energy (MeV)

MAT 8413

Fission

84-Po-202

Radionuclide Production Cross Section

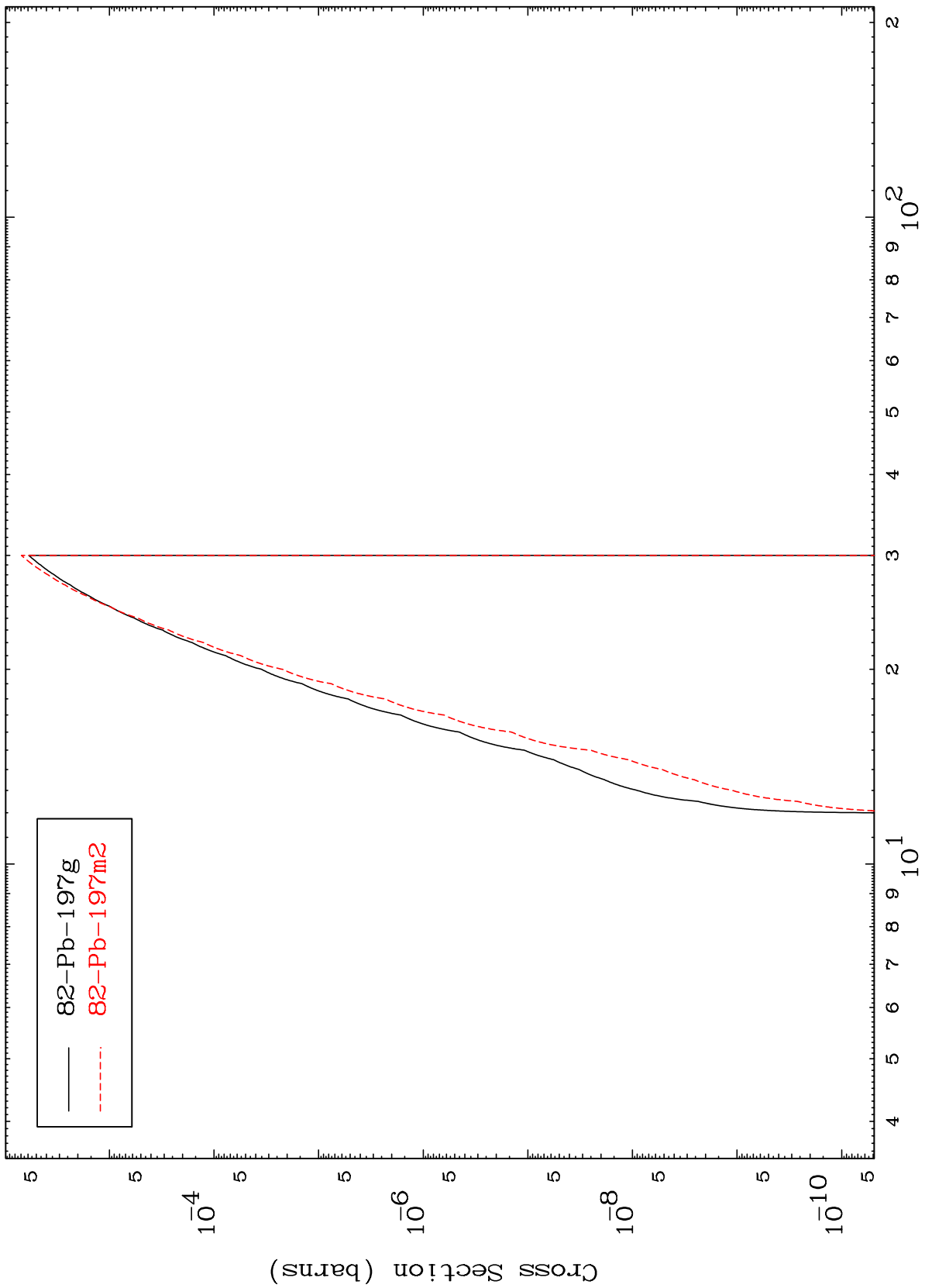


MAT 8413

$(n,2n) \alpha$

84-Po-202

Radionuclide Production Cross Section



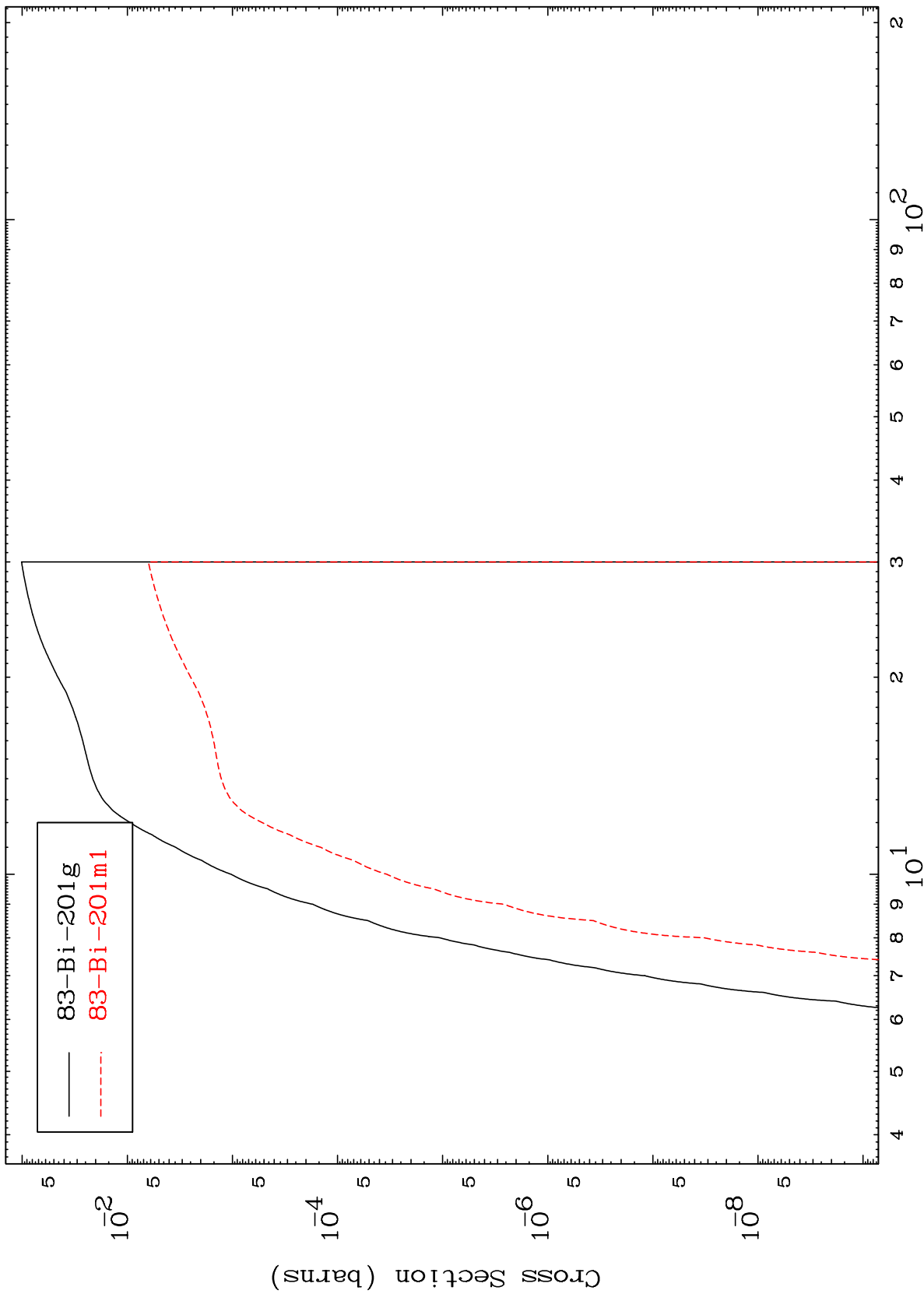
— 82-Pb-197g
- - - 82-Pb-197m2

MAT 8413

(n,n') p

84-Po-202

Radionuclide Production Cross Section



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

93

Incident Energy (MeV)

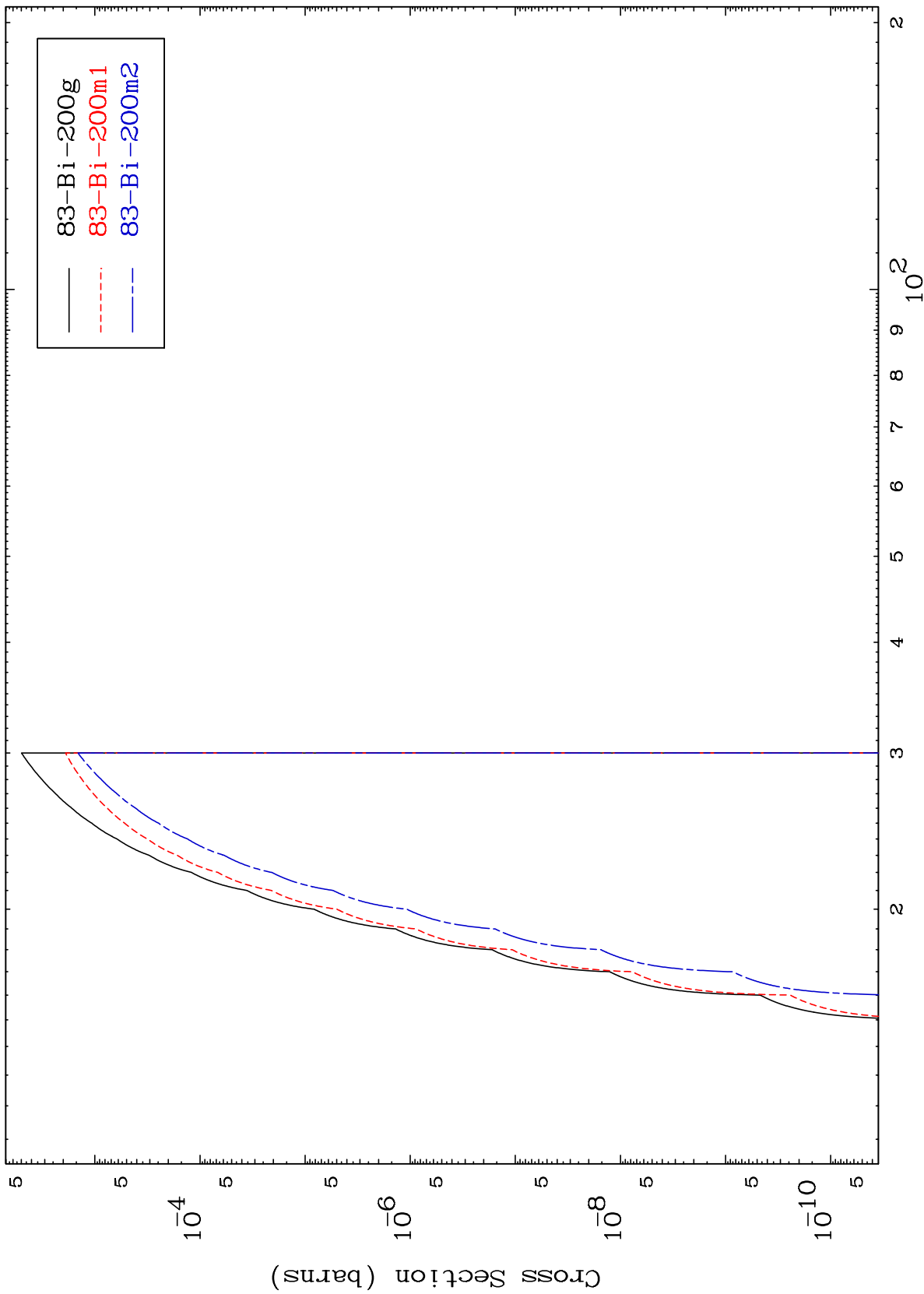
84-Po-202

MAT 8413

(n,n') d

84-Po-202

Radionuclide Production Cross Section



94

Incident Energy (MeV)

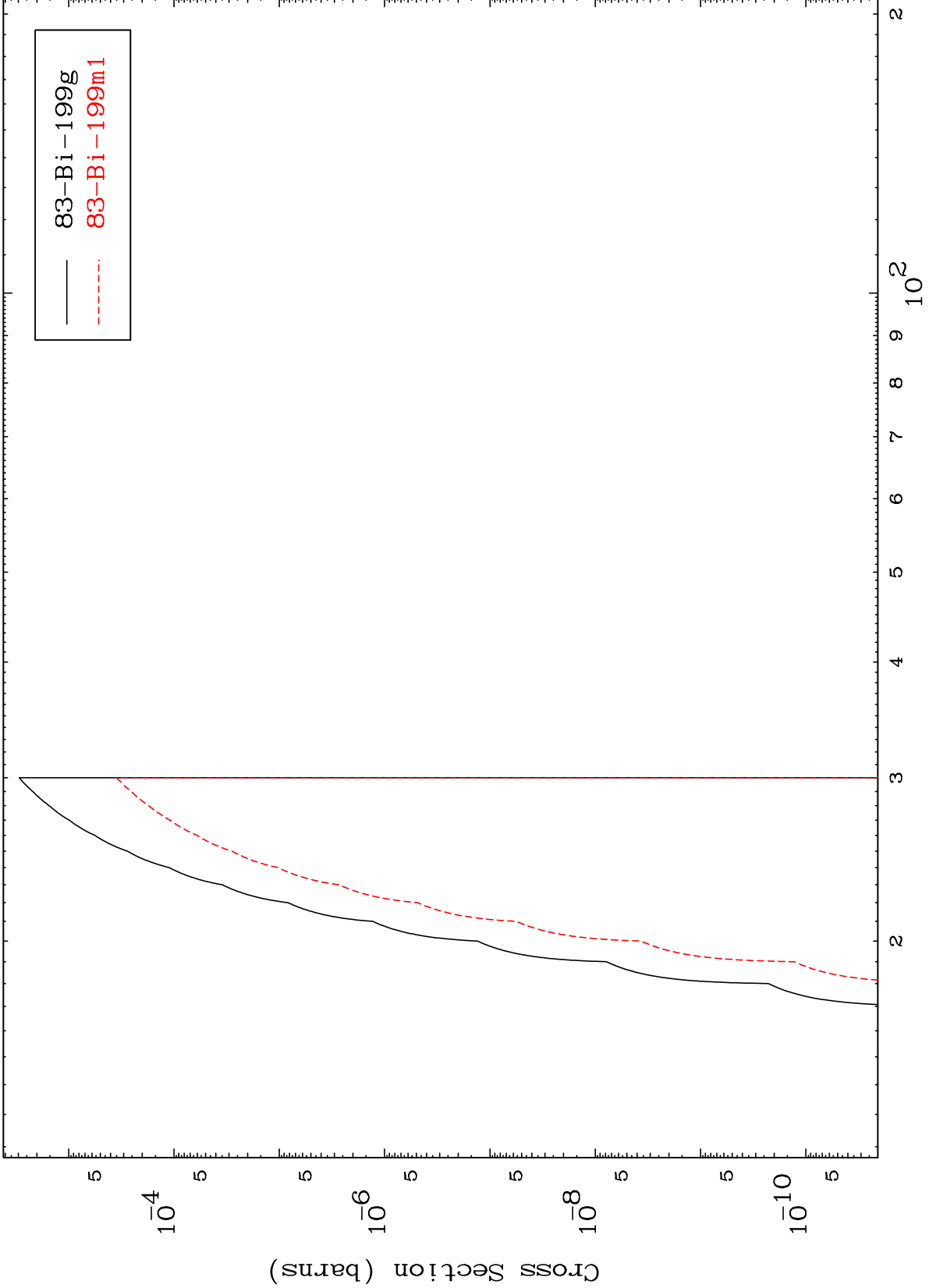
84-Po-202

MAT 8413

(n,n') t

84-Po-202

Radionuclide Production Cross Section



95

Incident Energy (MeV)

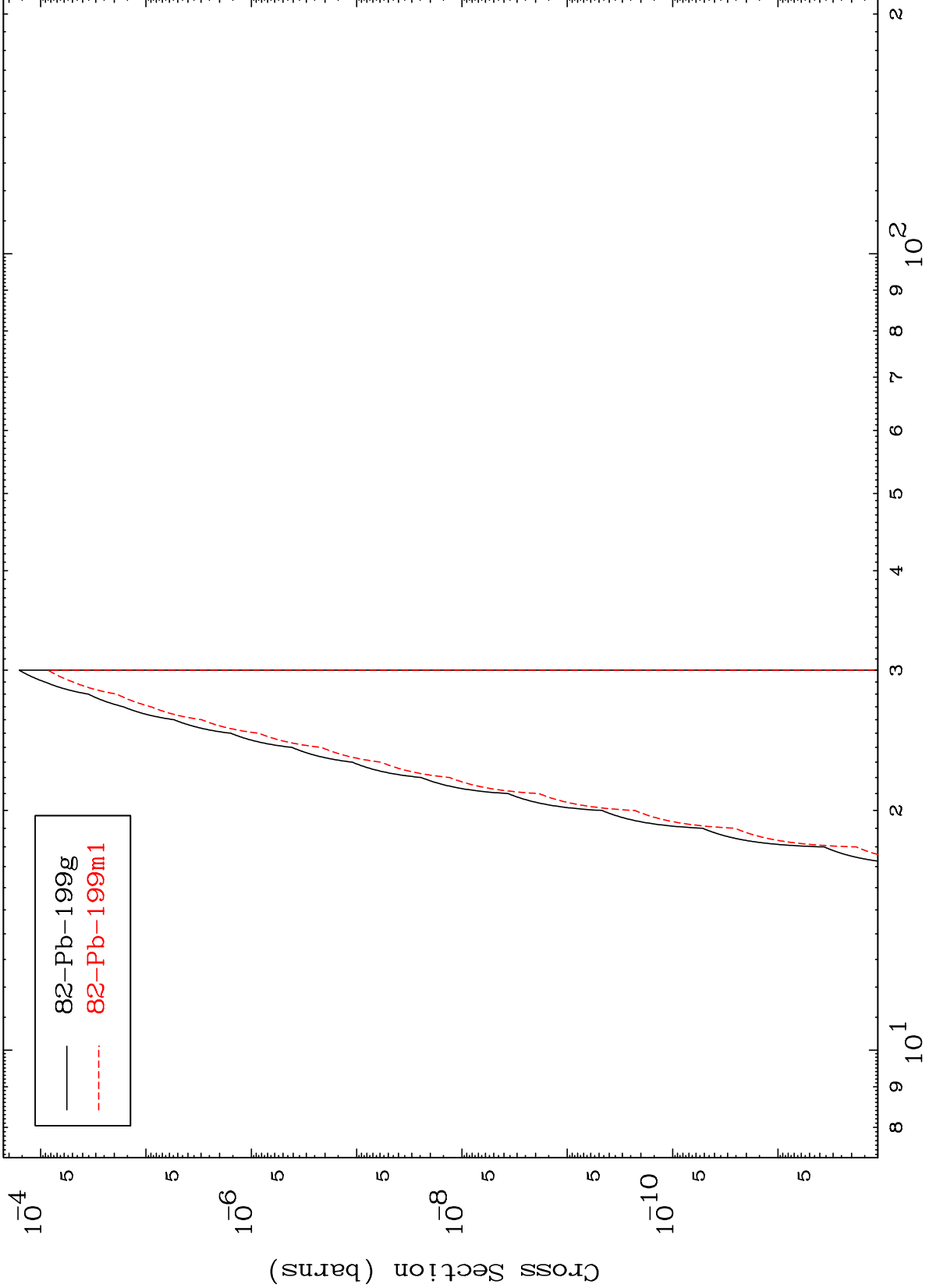
84-Po-202

MAT 8413

(n,n') He-3

84-Po-202

Radionuclide Production Cross Section



96

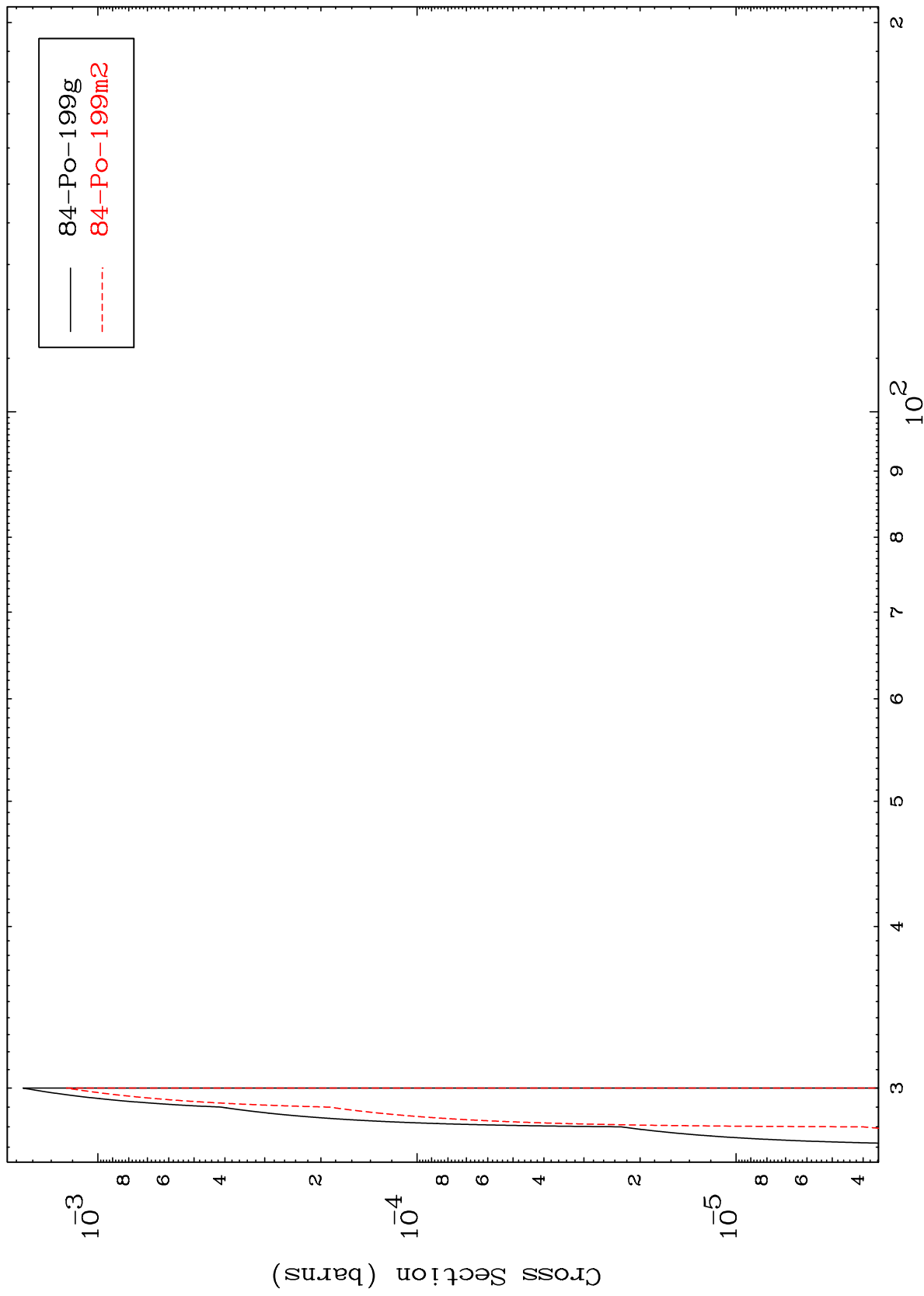
Incident Energy (MeV)

84-Po-202

MAT 8413

84-Po-202

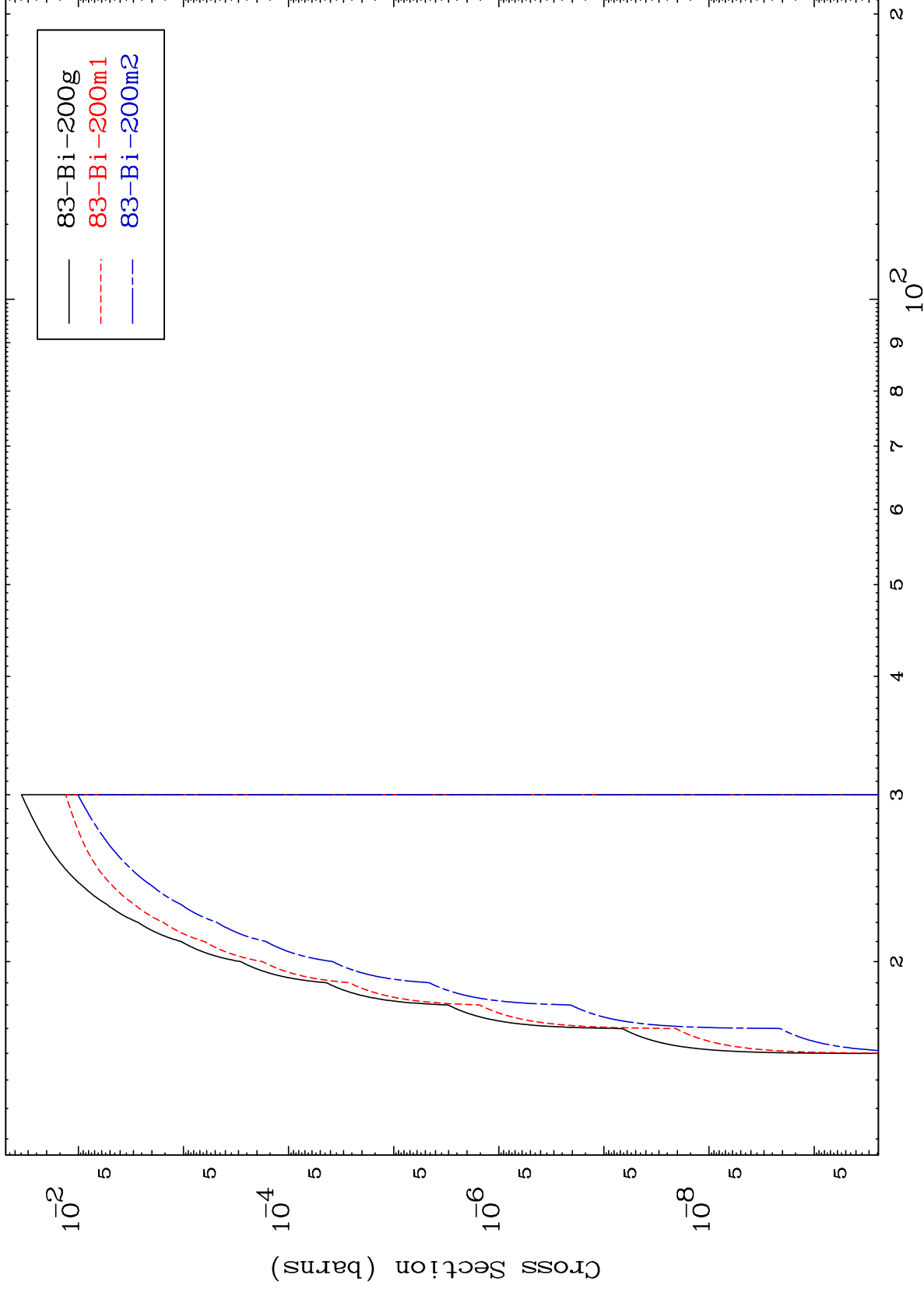
(n,4n)
Radionuclide Production Cross Section



97

84-Po-202

Radionuclide Production Cross Section

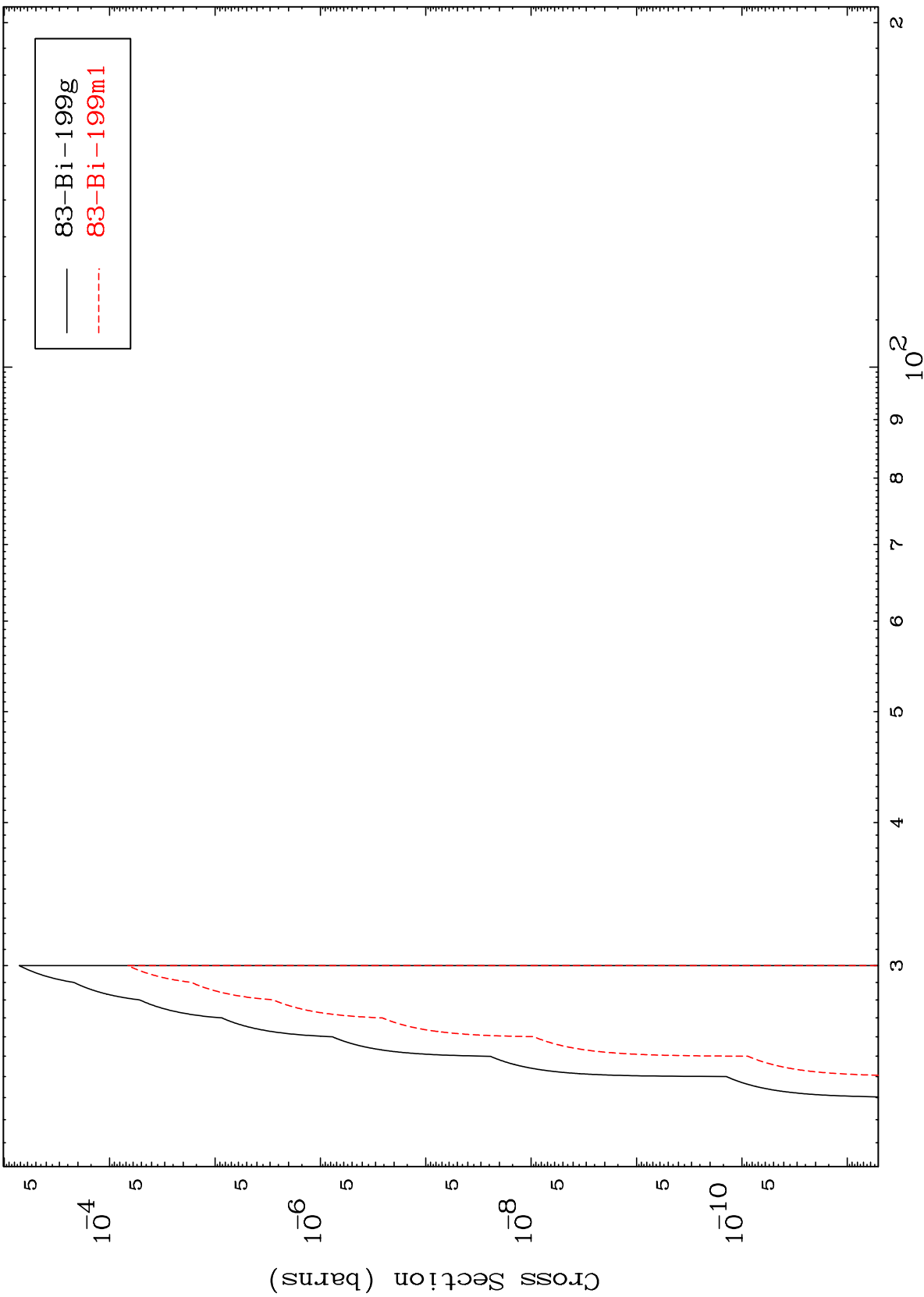


MAT 8413

(n,3n) p

84-Po-202

Radionuclide Production Cross Section



99

Incident Energy (MeV)

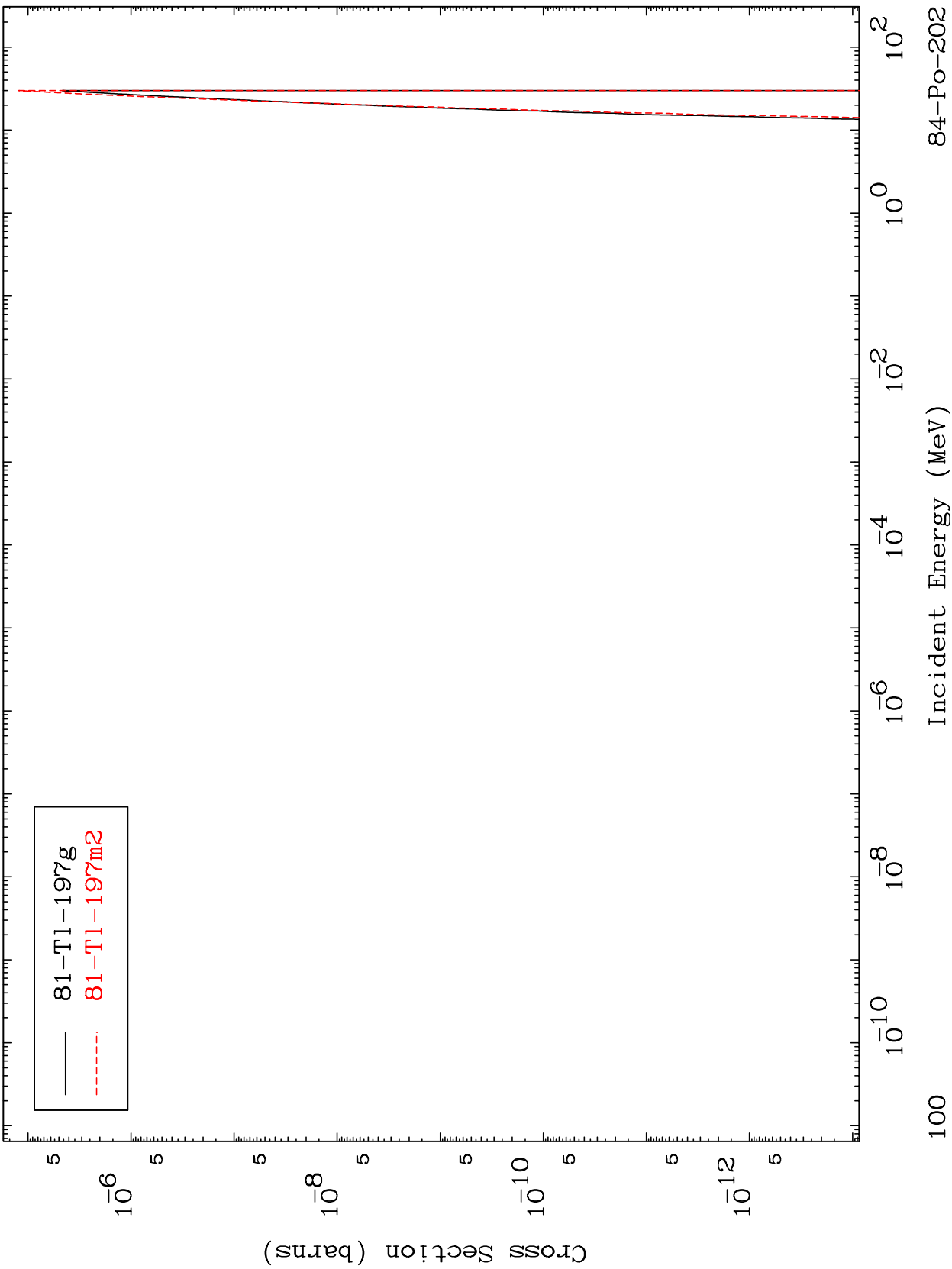
84-Po-202

MAT 8413

(n,n') p α

84-Po-202

Radionuclide Production Cross Section



100

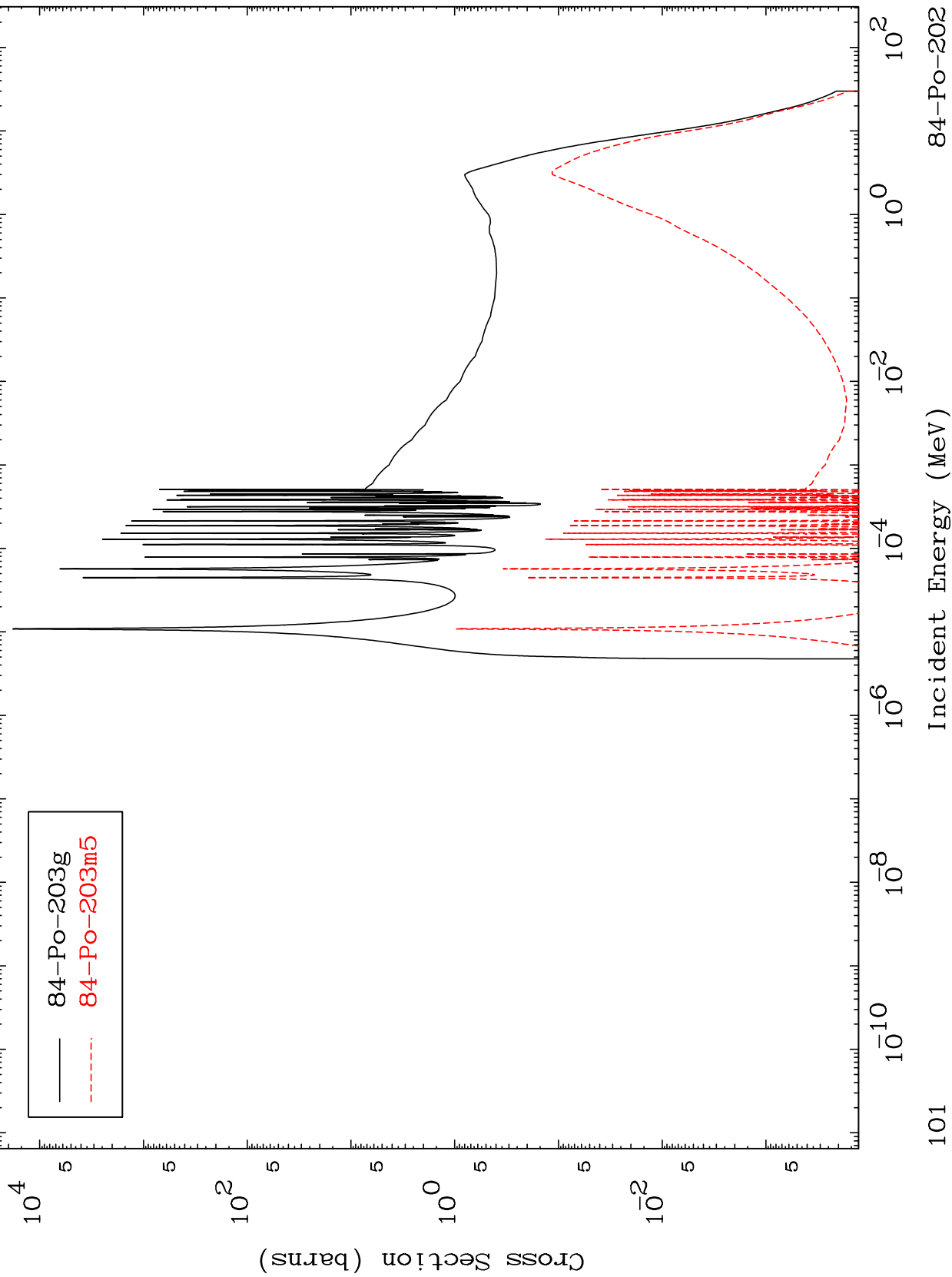
Incident Energy (MeV)

84-Po-202

MAT 8413

84-Po-202

(n, γ)
Radionuclide Production Cross Section

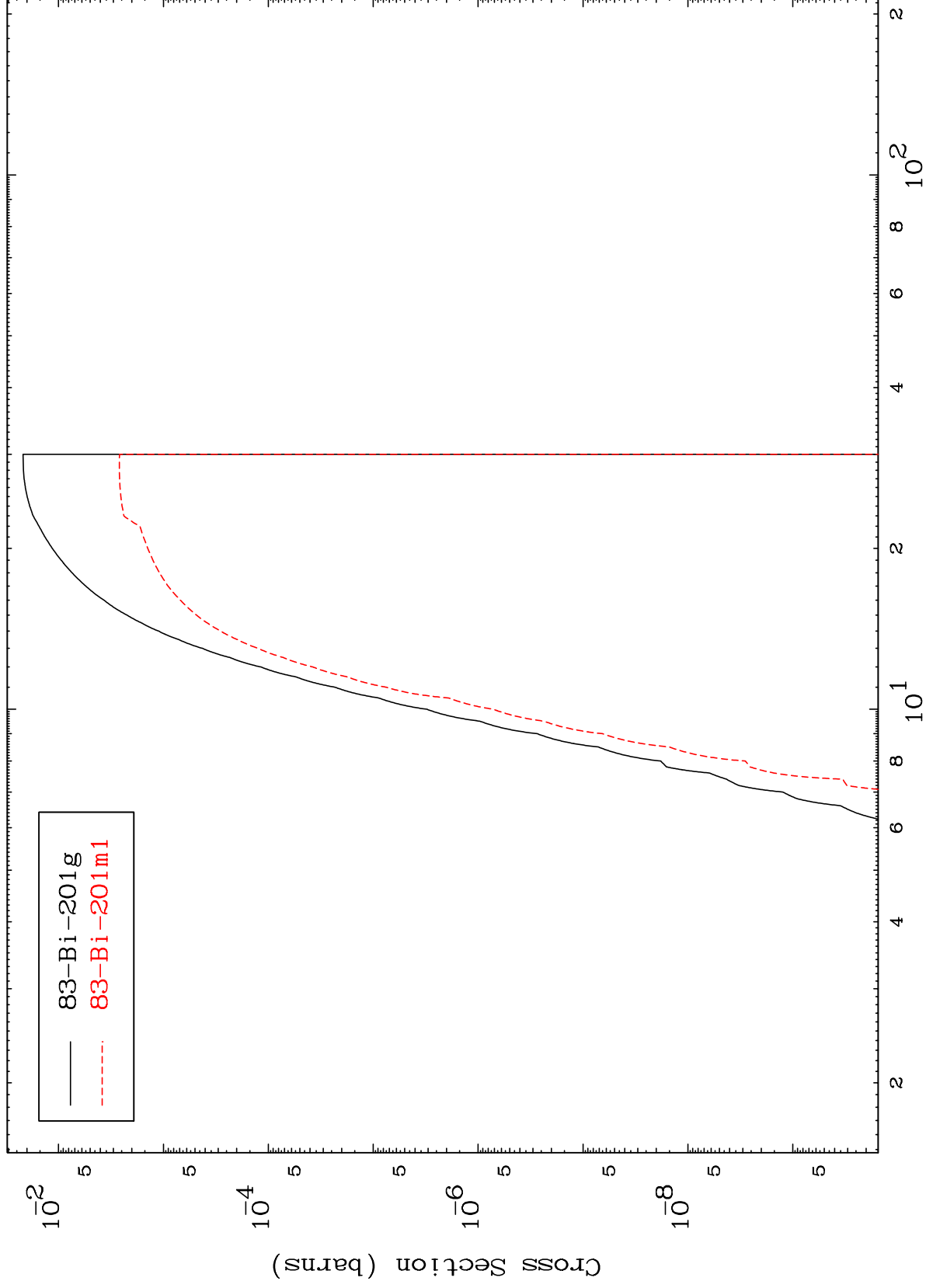


MAT 8413

(n,d)

84-Po-202

Radionuclide Production Cross Section



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

102

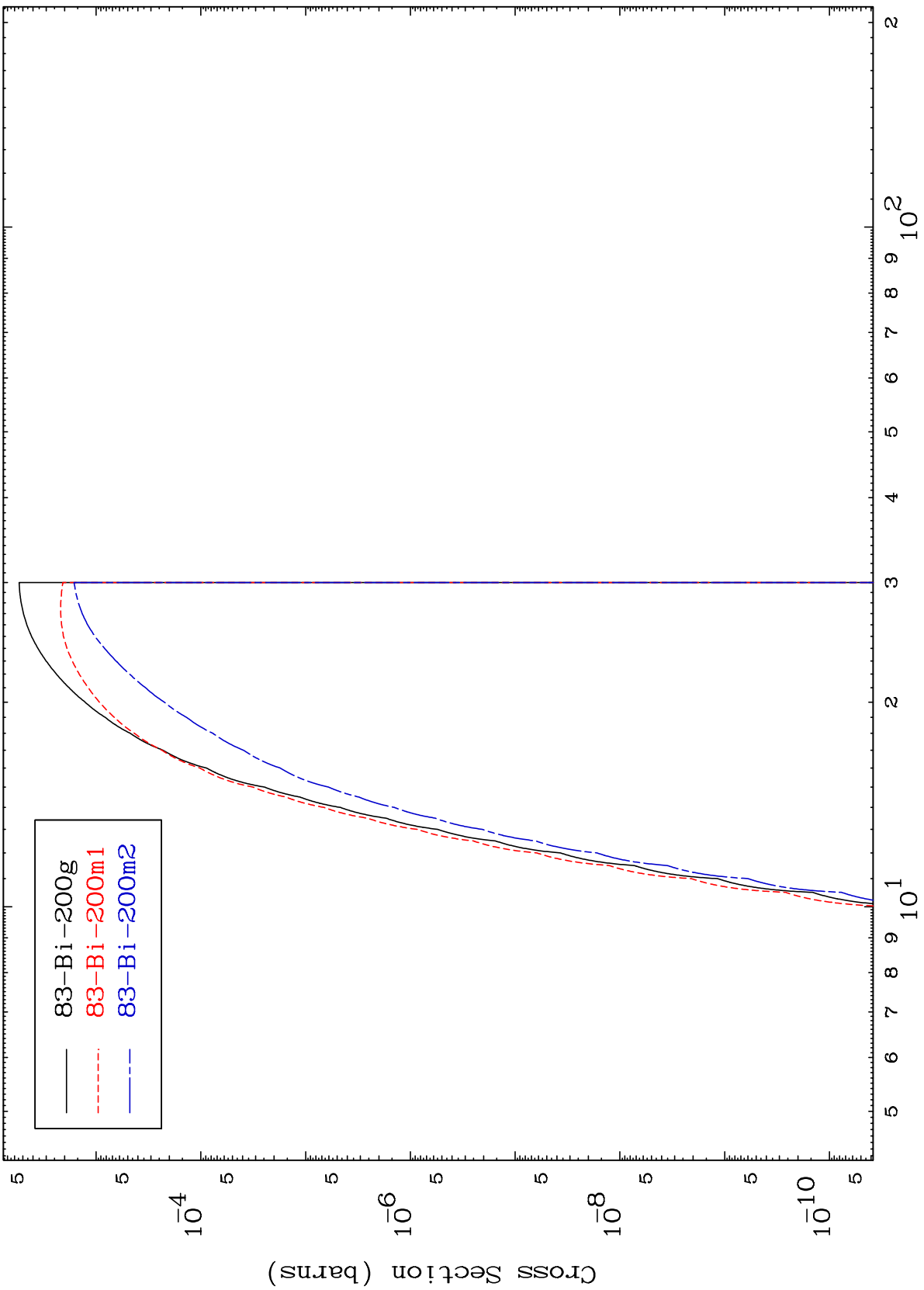
Incident Energy (MeV)

84-Po-202

MAT 8413

84-Po-202

(n, t)
Radionuclide Production Cross Section



103

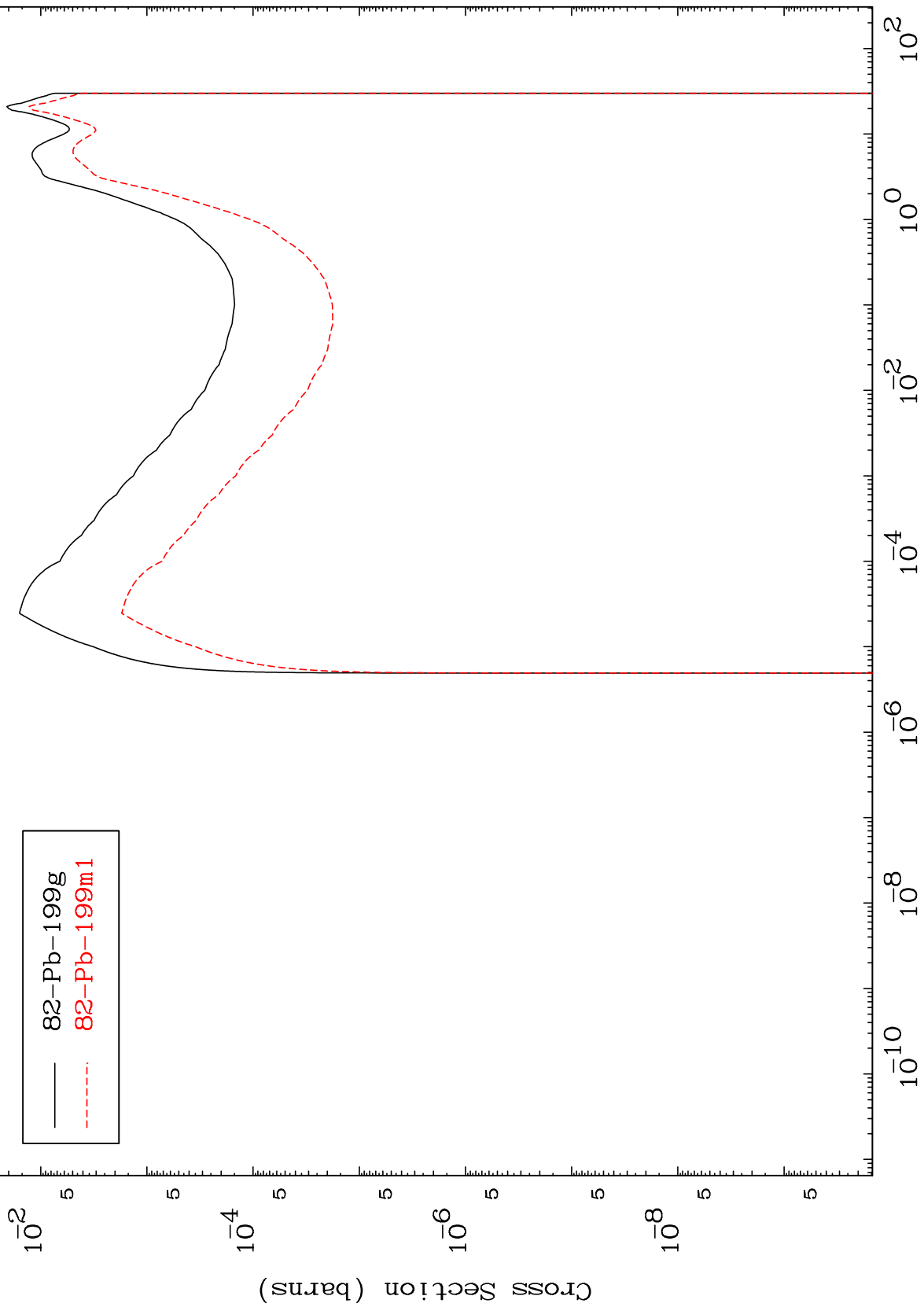
Incident Energy (MeV)

84-Po-202

MAT 8413

84-Po-202

Radionuclide Production Cross Section



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

84-Po-202

Incident Energy (MeV)

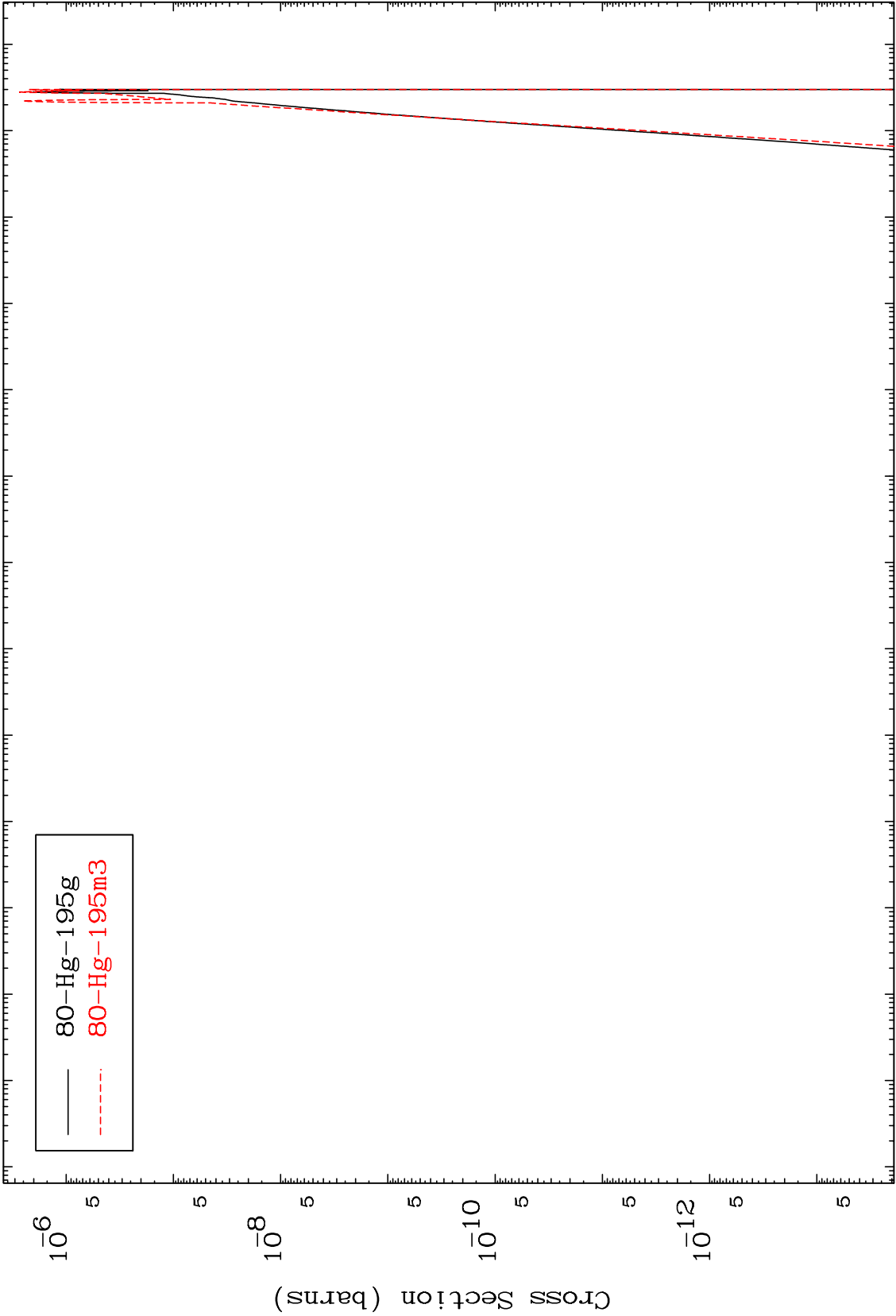
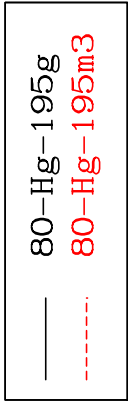
104

MAT 8413

(n,2α)

84-Po-202

Radionuclide Production Cross Section



84-Po-202

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

10⁻¹²

Incident Energy (MeV)

84-Po-202

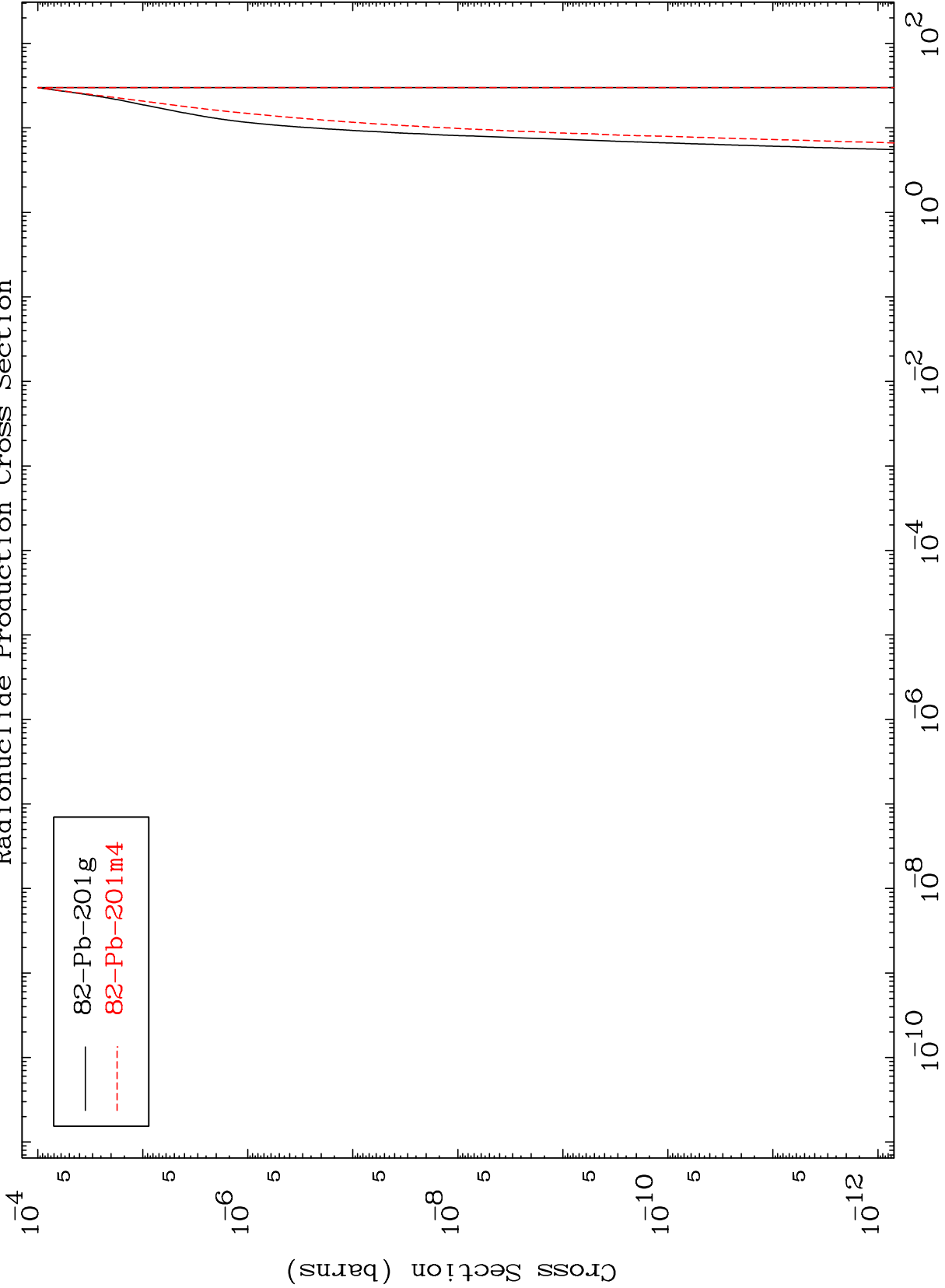
105

MAT 8413

(n,2p)

84-Po-202

Radionuclide Production Cross Section



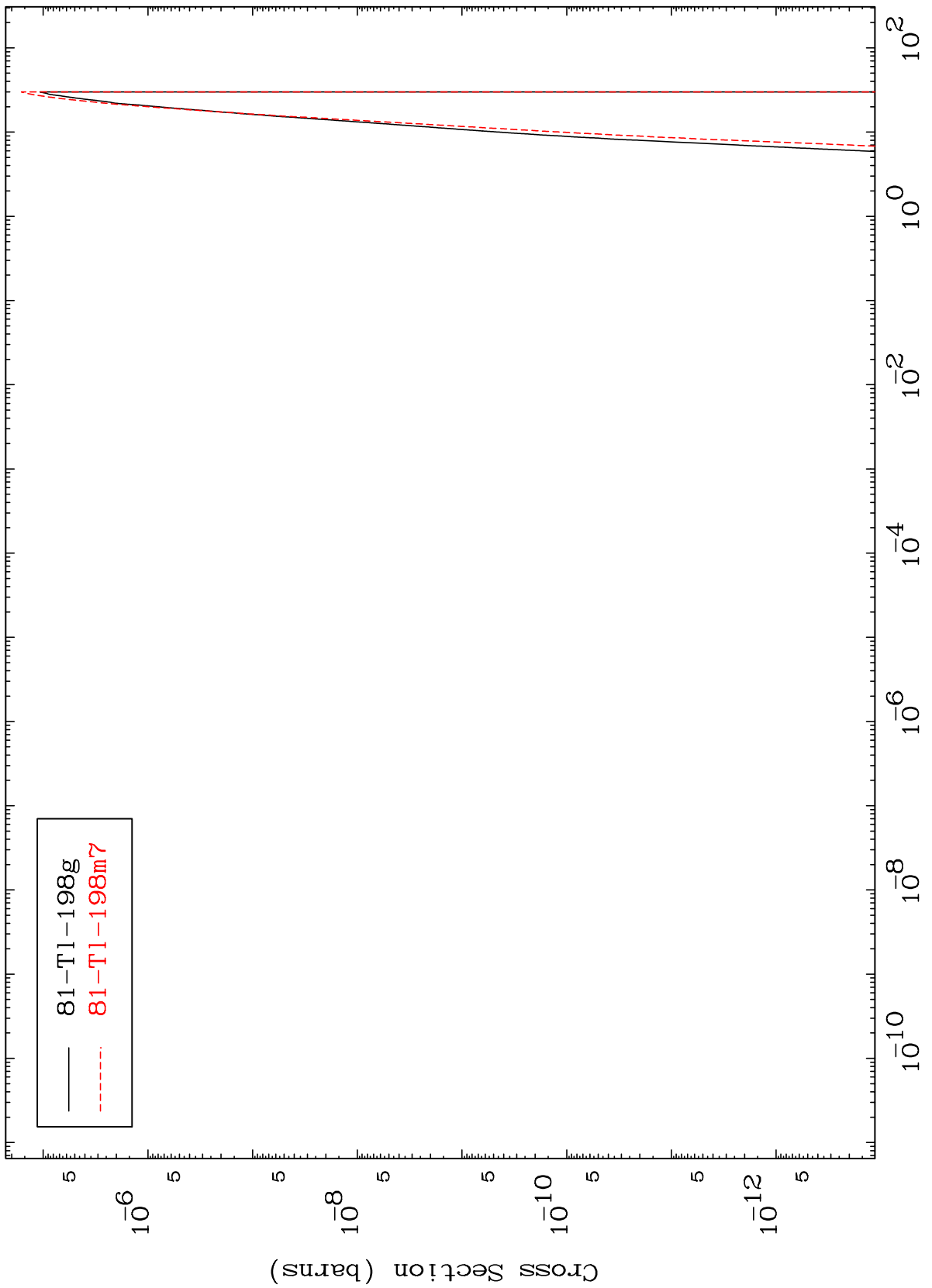
82-Pb-201g
82-Pb-201m4

MAT 8413

(n,p) α

84-Po-202

Radionuclide Production Cross Section



81-Tl-198g
81-Tl-198m7

107

Incident Energy (MeV)

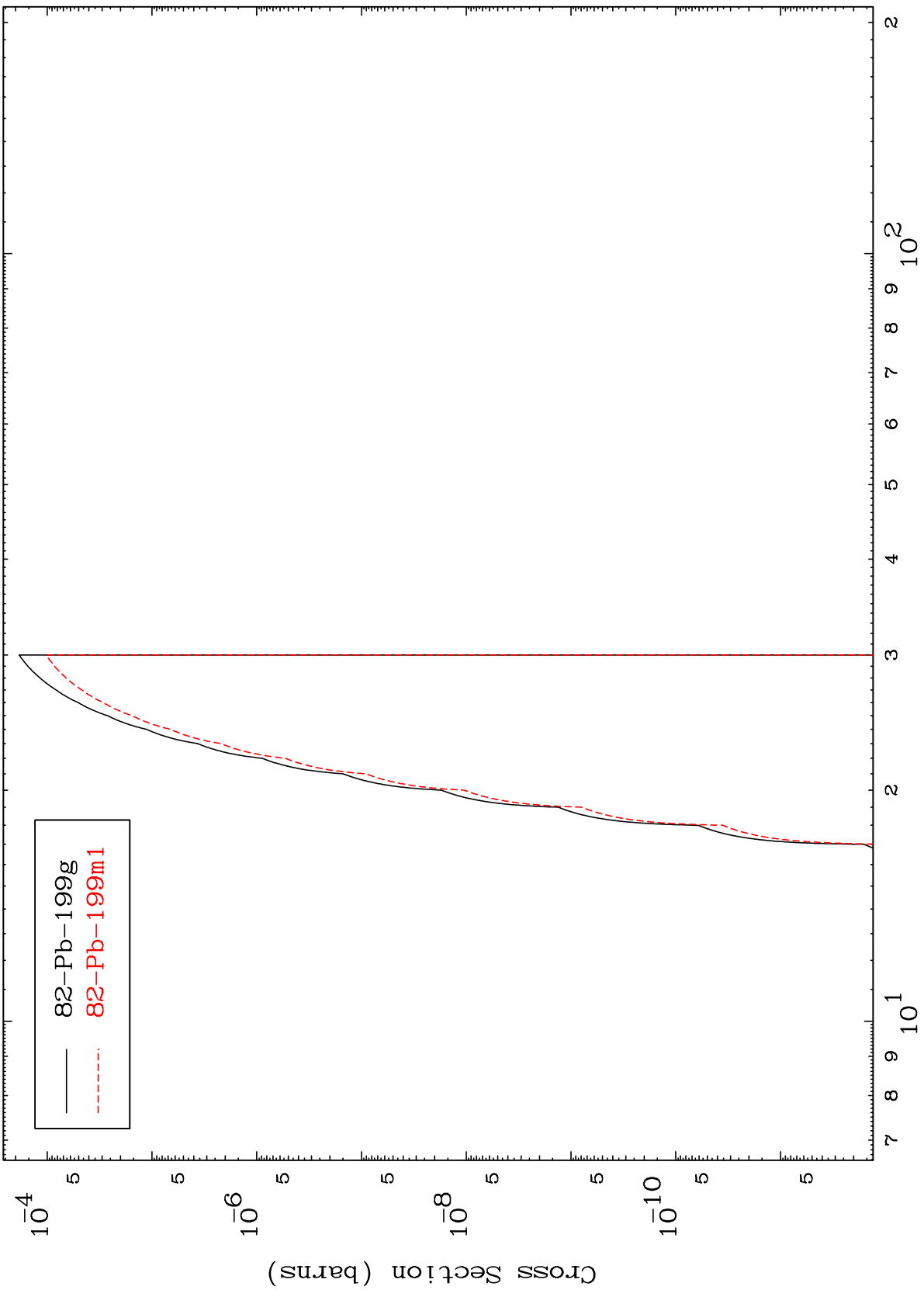
84-Po-202

MAT 8413

(n,p) t

84-Po-202

Radionuclide Production Cross Section



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

108

Incident Energy (MeV)

84-Po-202

MAT 8413

(n,d) α

84-Po-202

Radionuclide Production Cross Section

