

Program EVALPLOT
(Version 2021-1)

by

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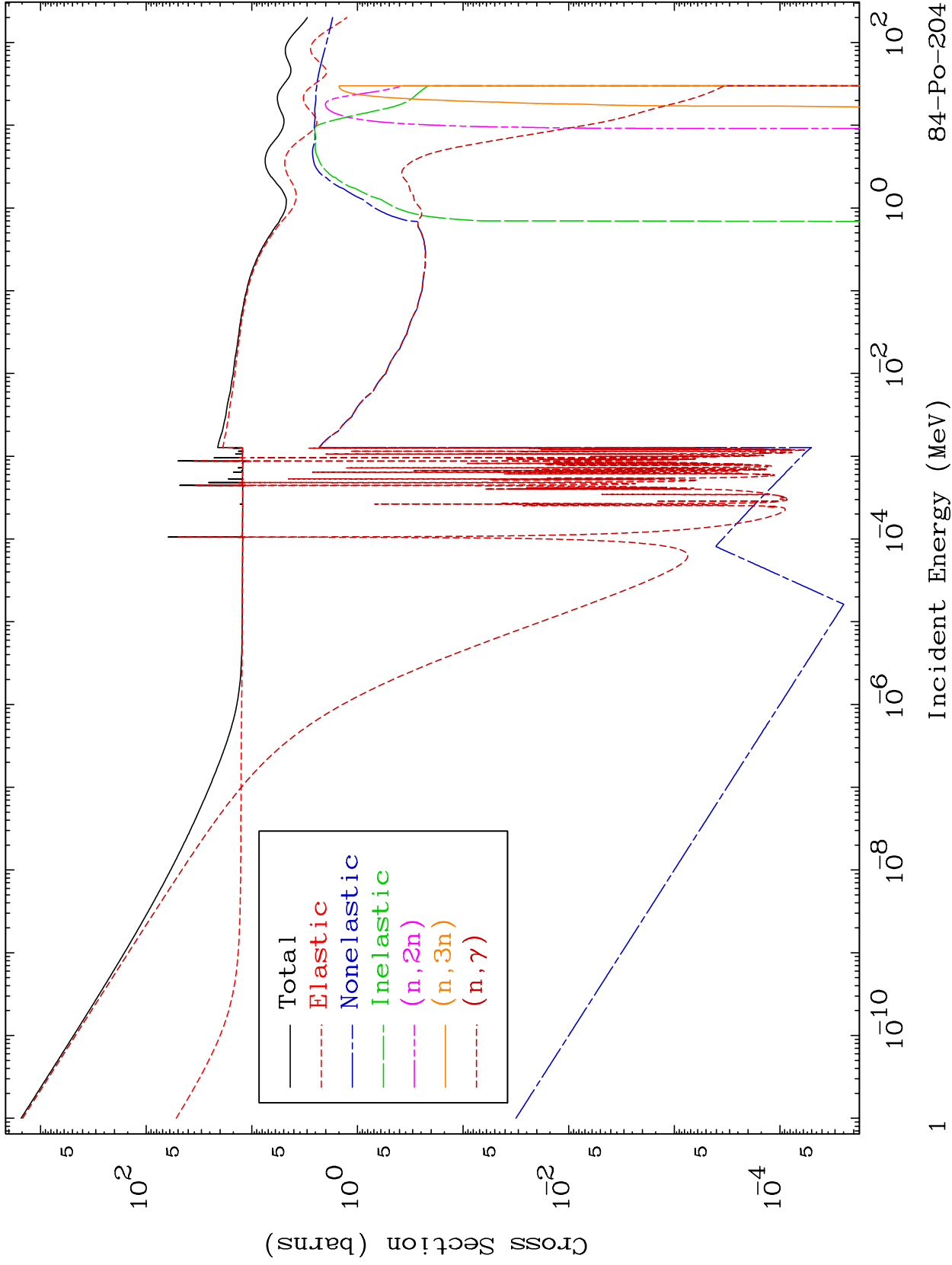
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8419

Neutron Major
293 Kelvin Cross Sections

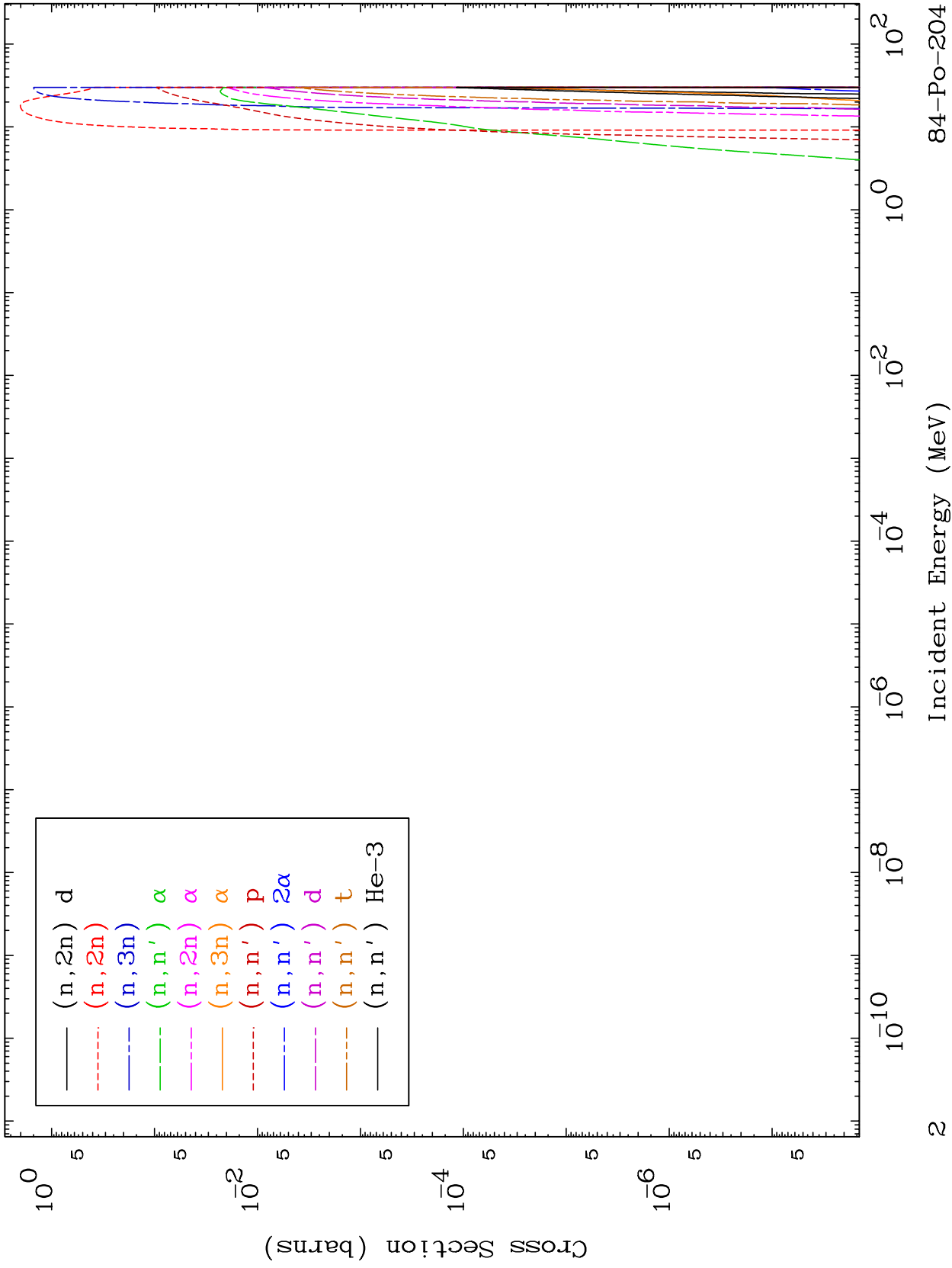
84-Po-204



MAT 8419

Neutron Absorption
293 Kelvin Cross Sections

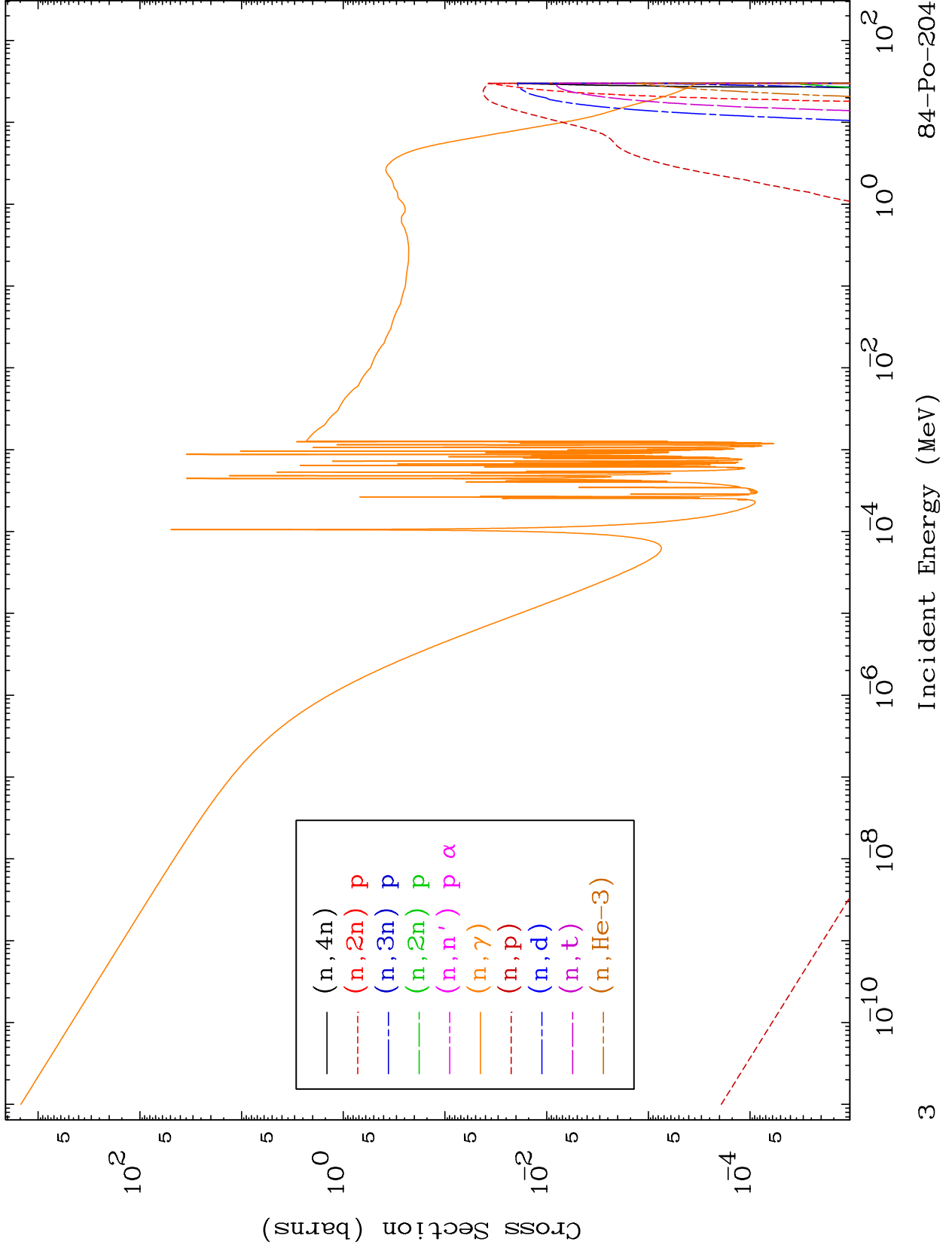
84-Po-204

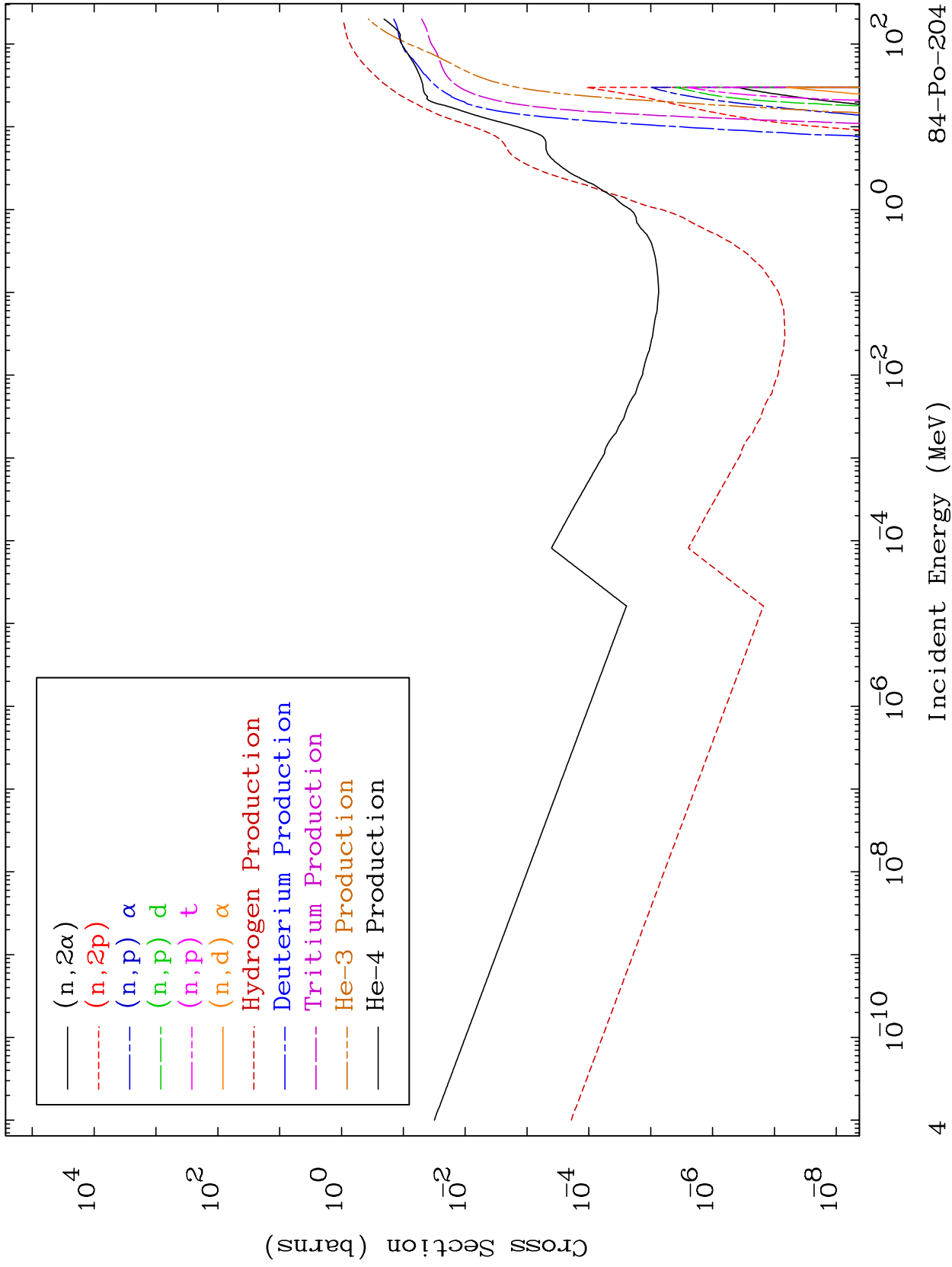


MAT 8419

Neutron Absorption
293 Kelvin Cross Sections

84-Po-204

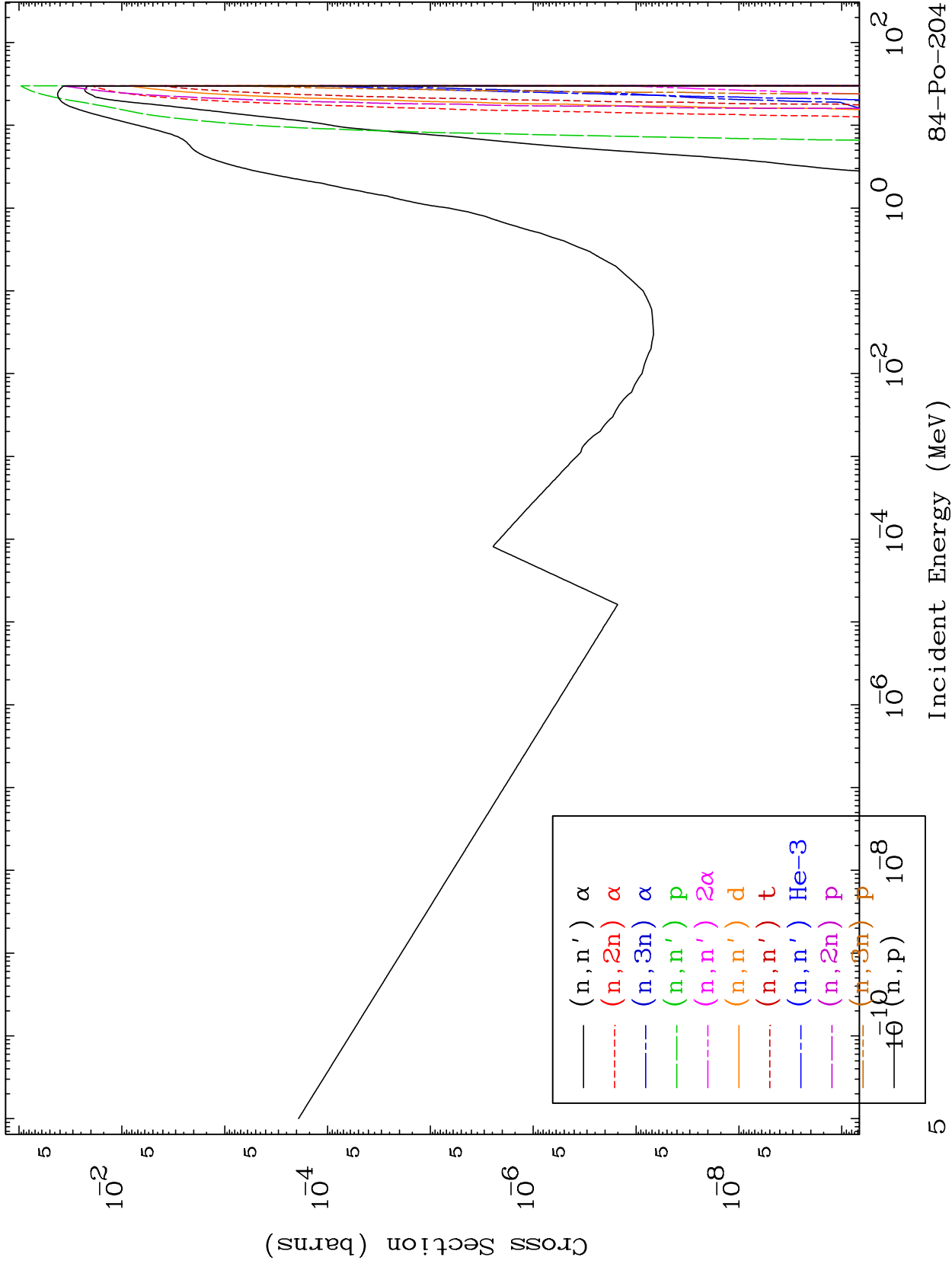




MAT 8419

Charged Particle
293 Kelvin Cross Sections

84-Po-204



84-Po-204

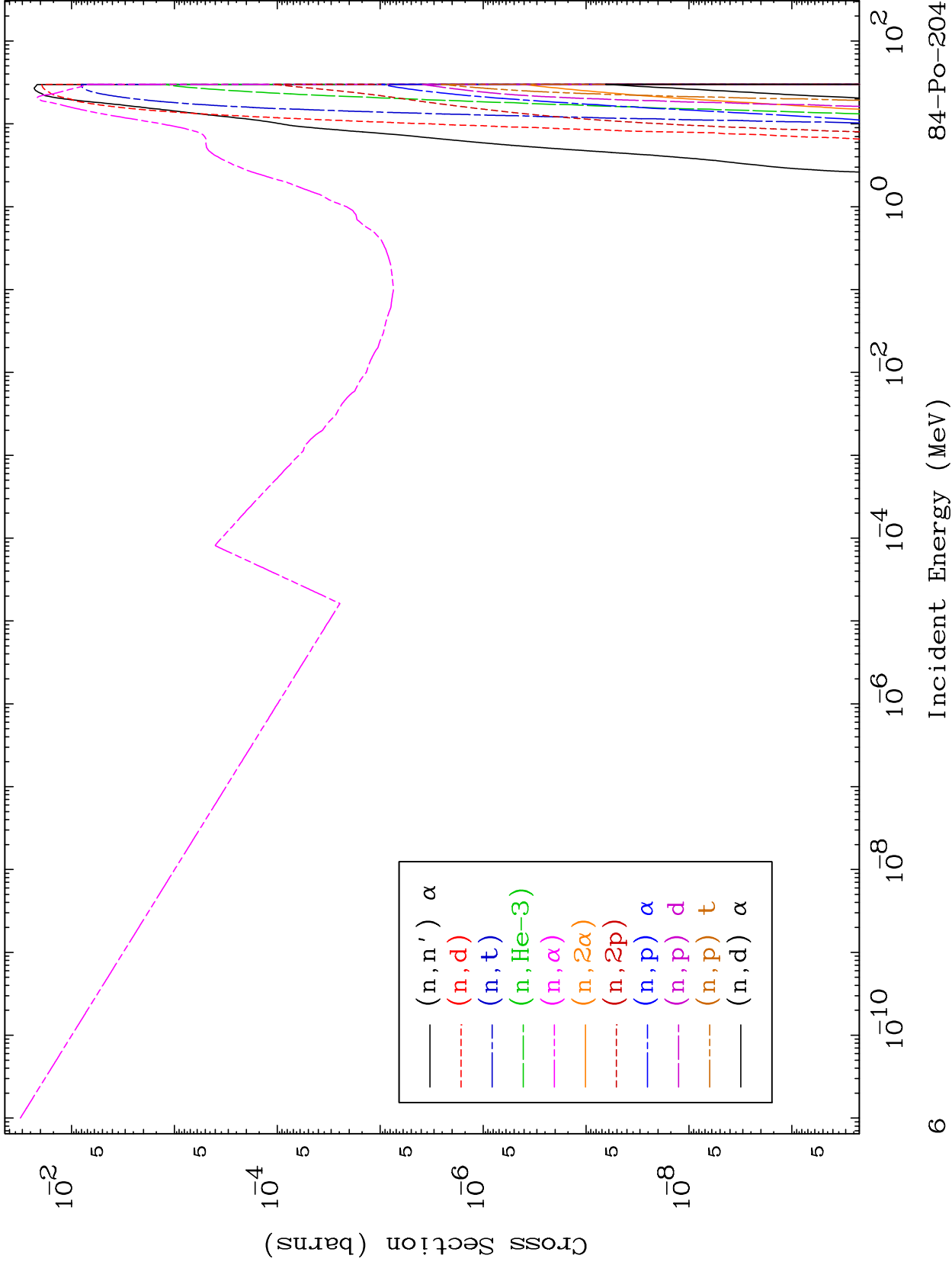
Incident Energy (MeV)

5

MAT 8419

Charged Particle
293 Kelvin Cross Sections

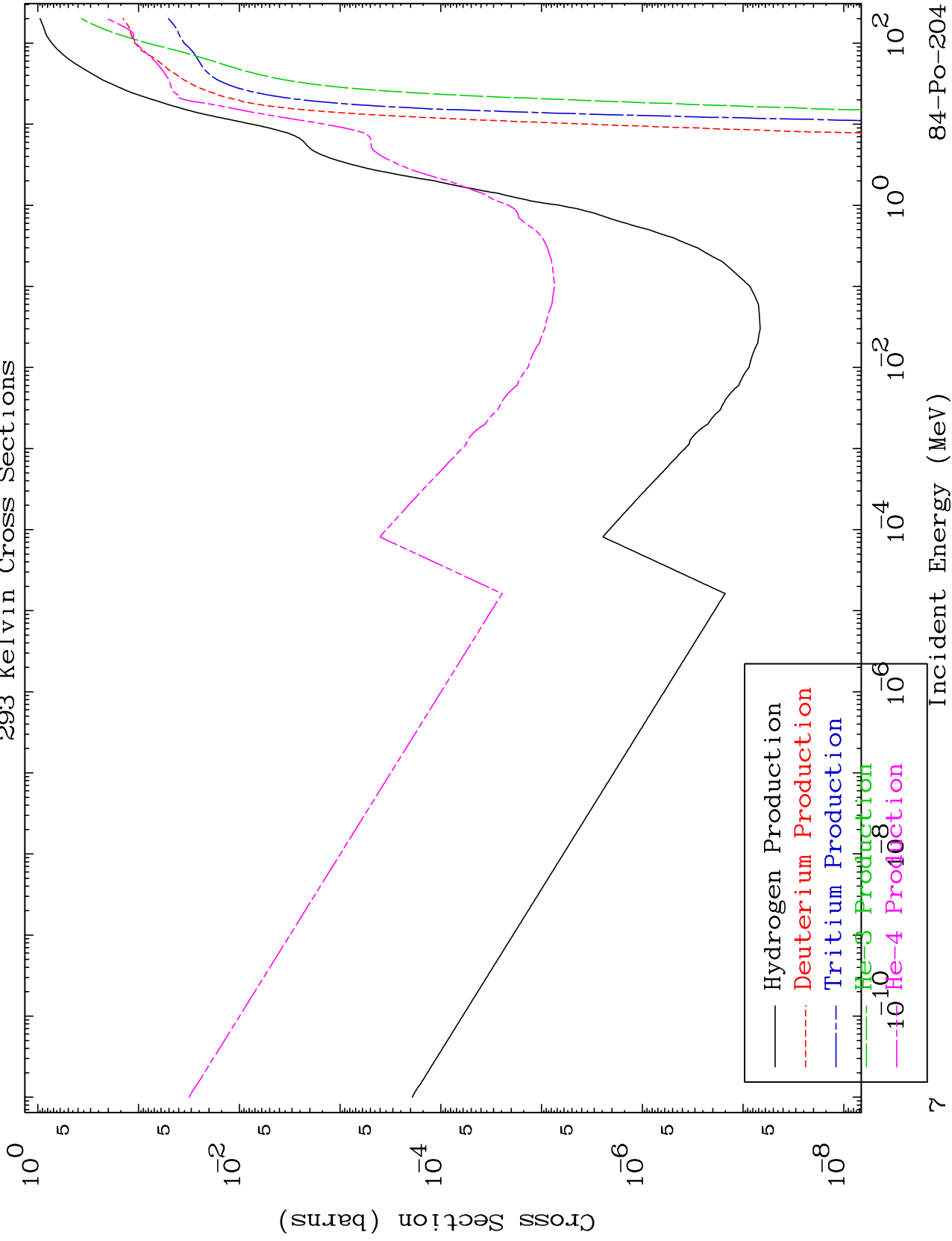
84-Po-204



MAT 8419

Particle Production
293 Kelvin Cross Sections

84-Po-204



84-Po-204

Incident Energy (MeV)

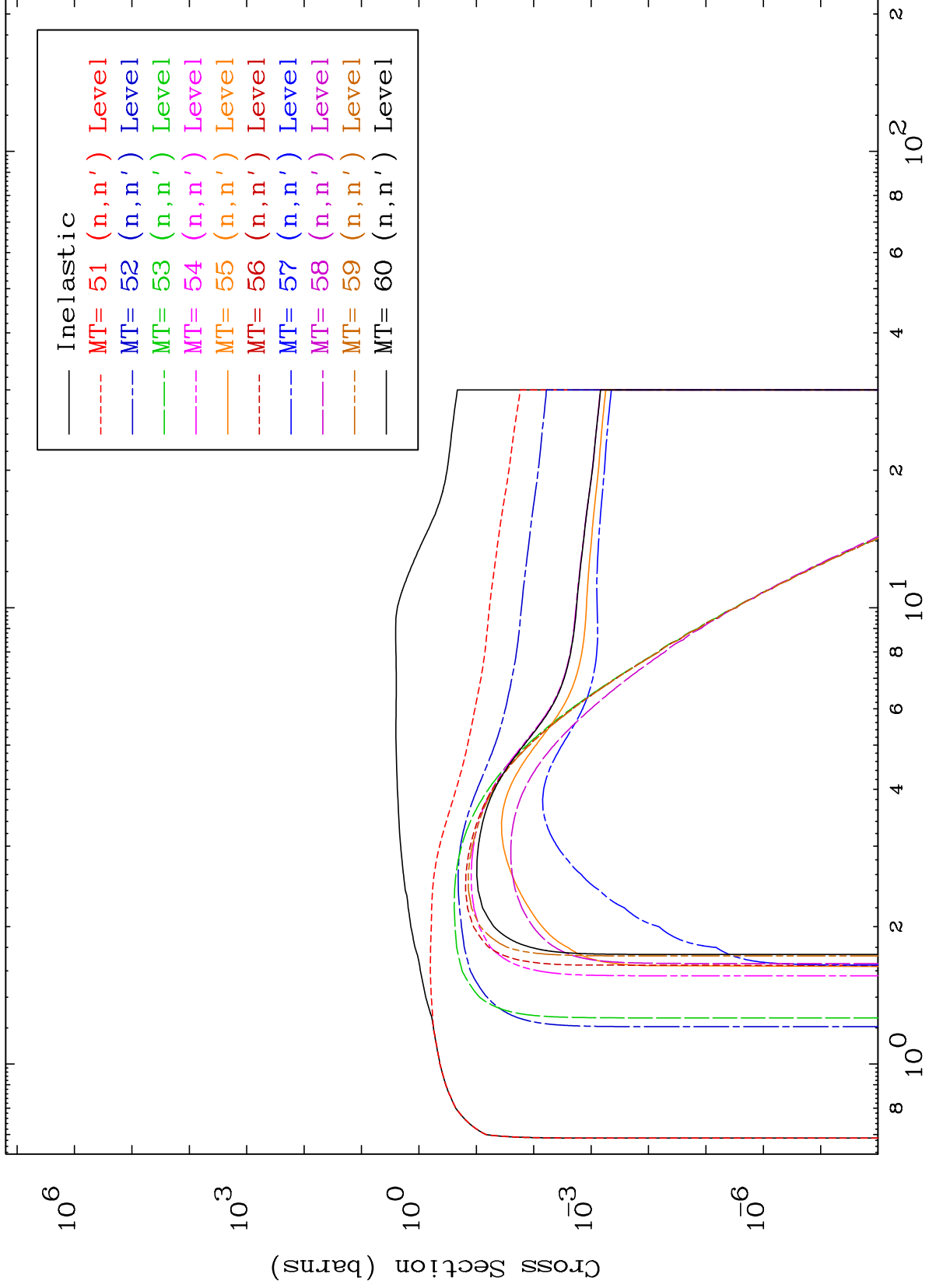
7

MAT 8419

(n,n') Levels

84-Po-204

293 Kelvin Cross Sections

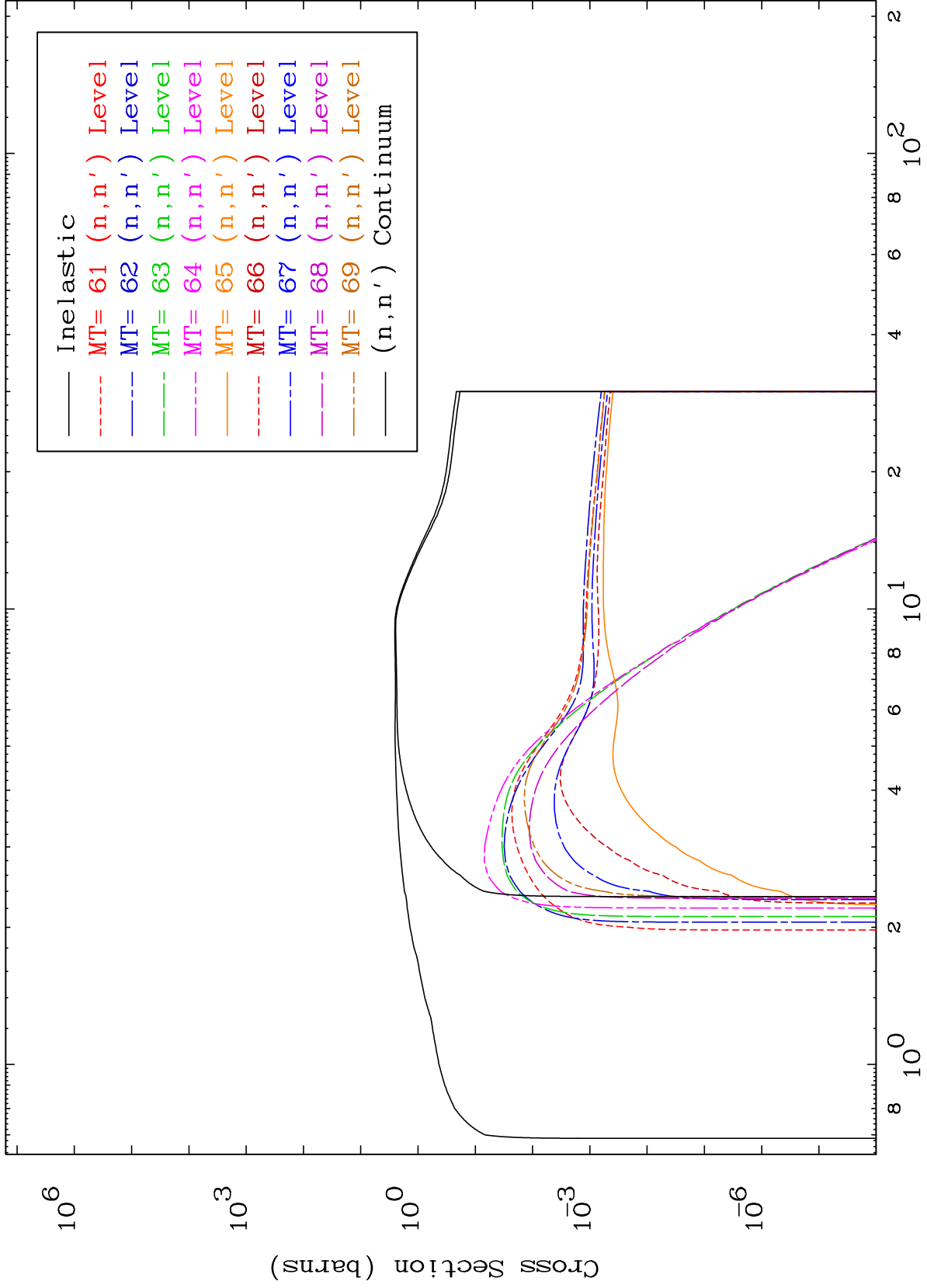


8

Incident Energy (MeV)

84-Po-204

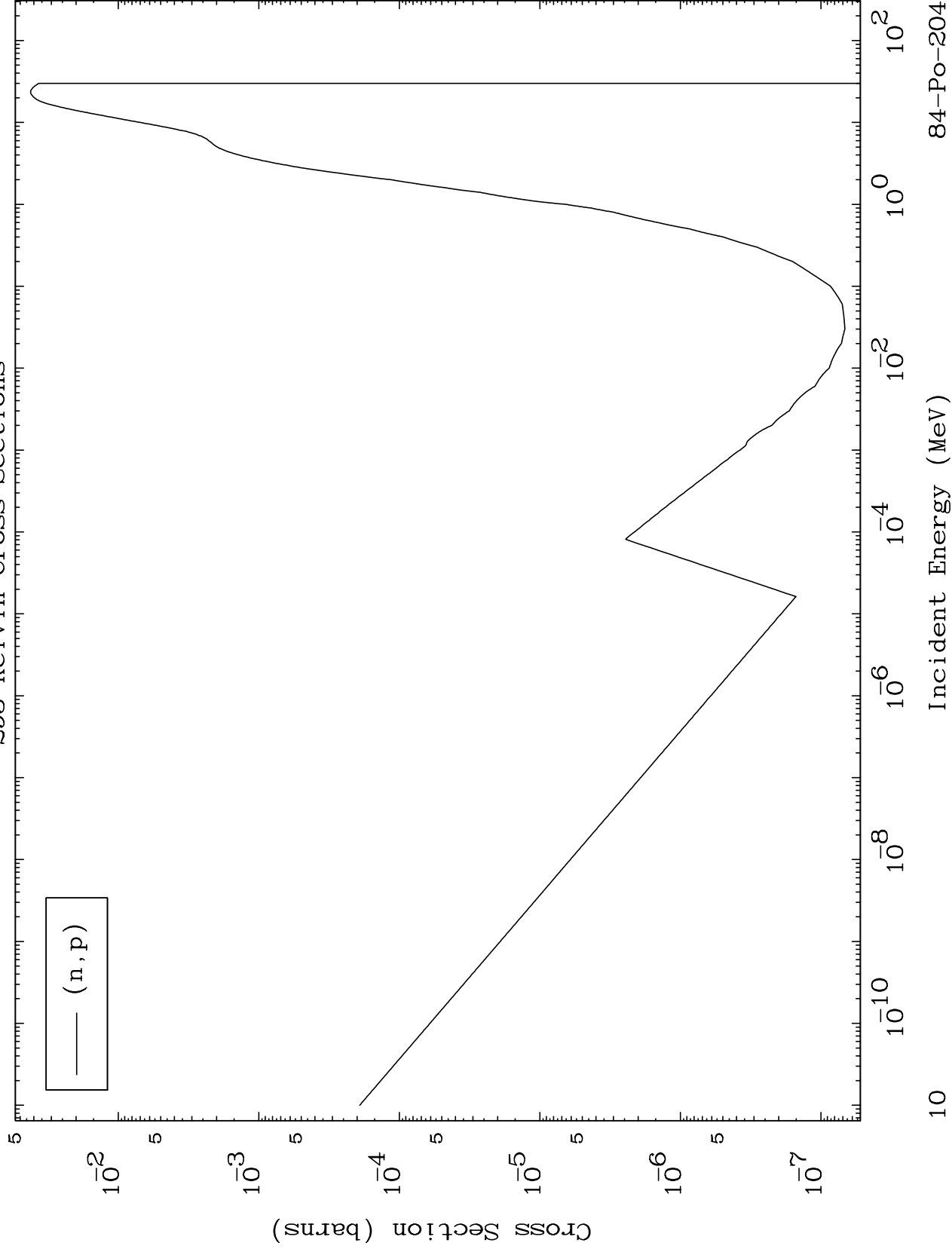
293 Kelvin Cross Sections



MAT 8419

(n,p) Levels
293 Kelvin Cross Sections

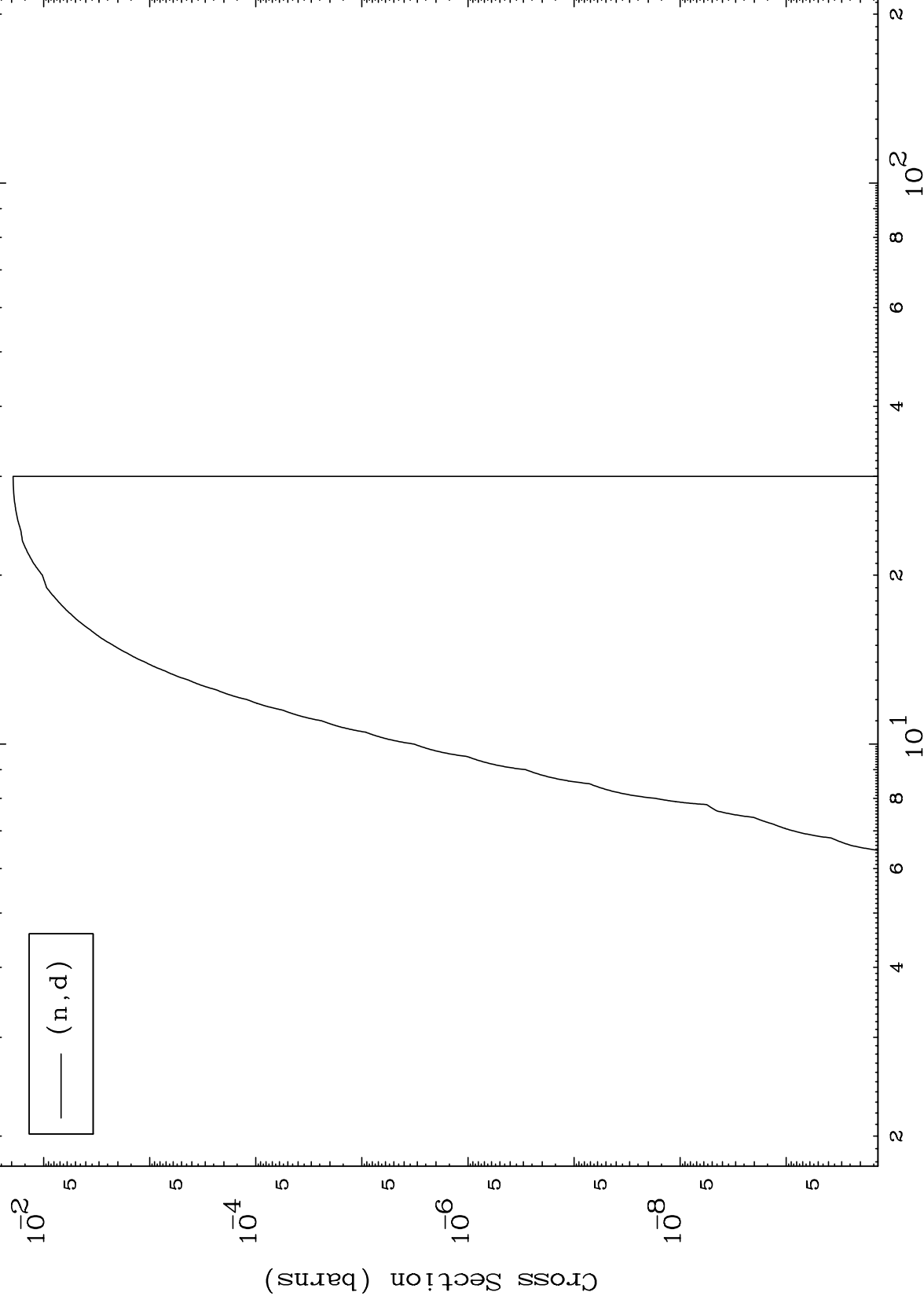
84-Po-204



MAT 8419

(n,d) Levels
293 Kelvin Cross Sections

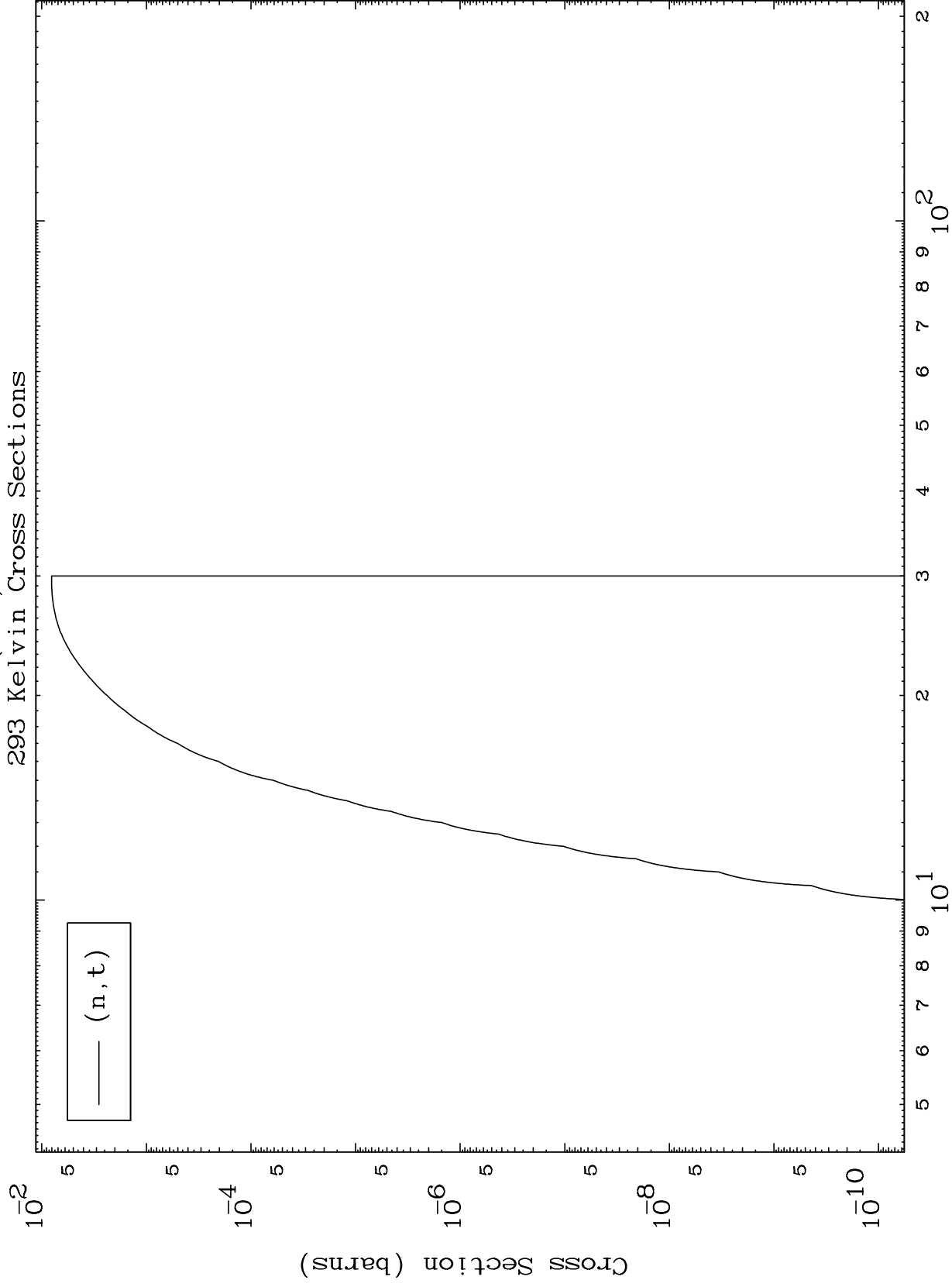
84-Po-204



MAT 8419

(n,t) Levels
293 Kelvin Cross Sections

84-Po-204



12

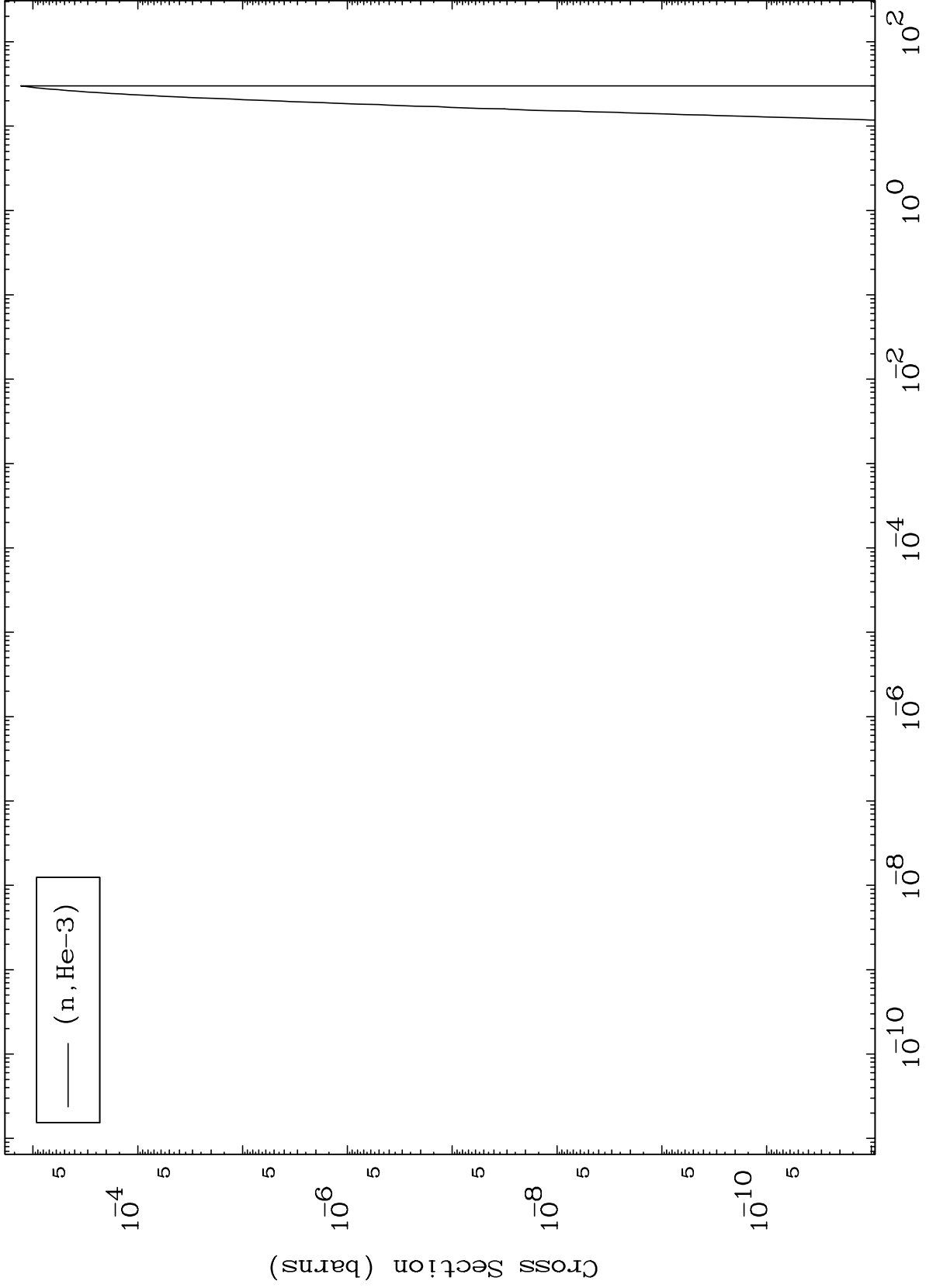
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,He3) Levels
293 Kelvin Cross Sections

84-Po-204



13

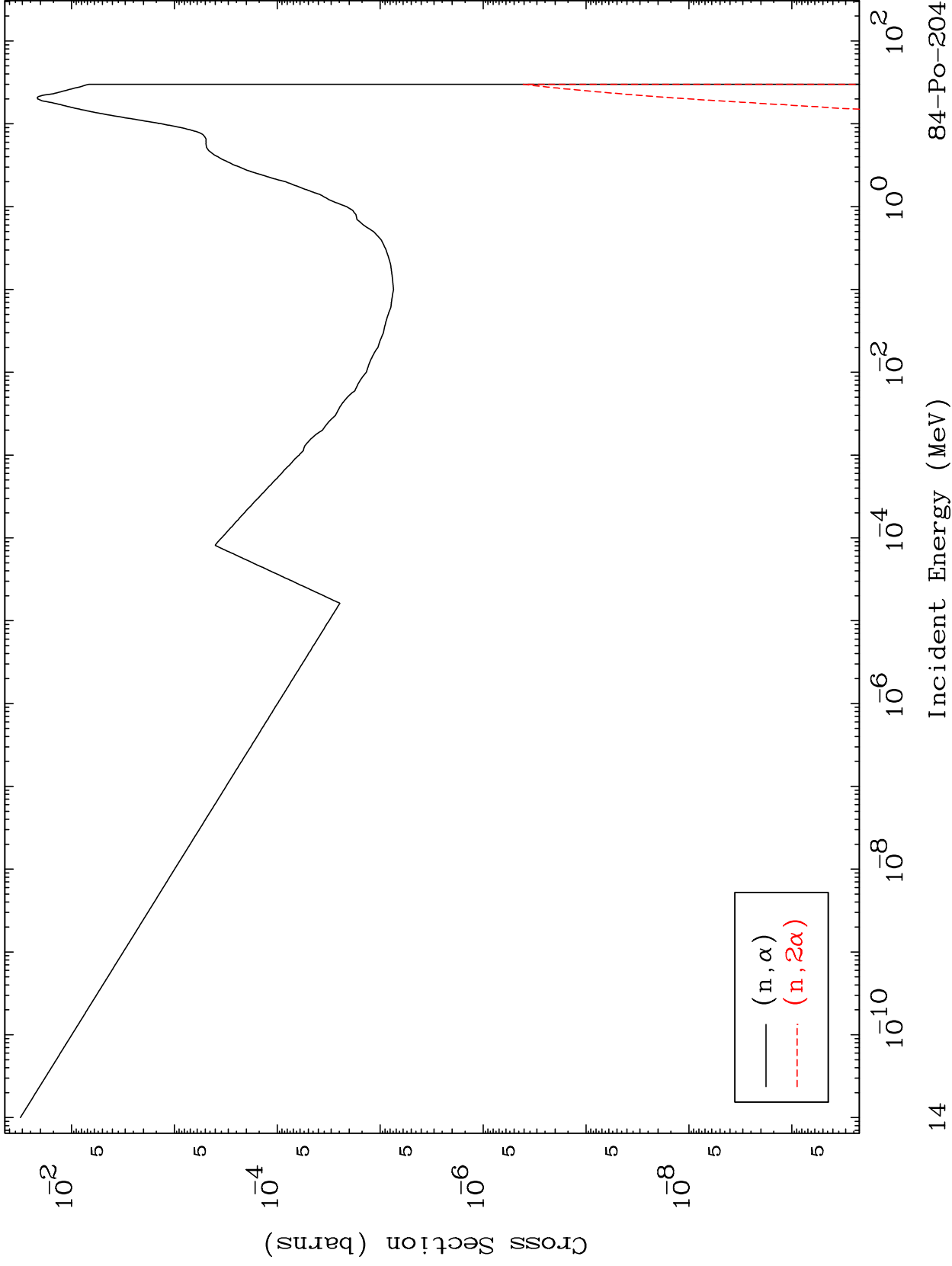
Incident Energy (MeV)

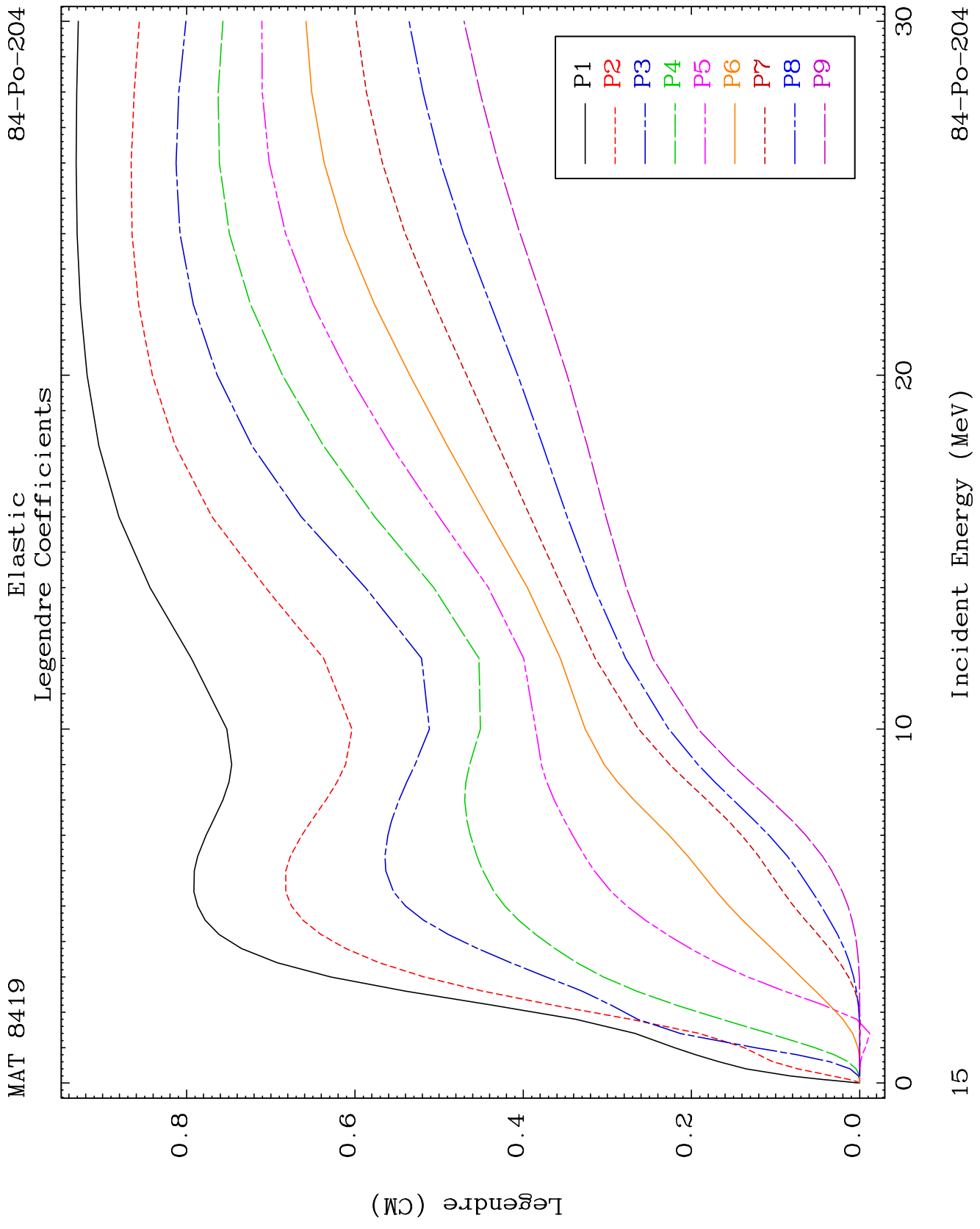
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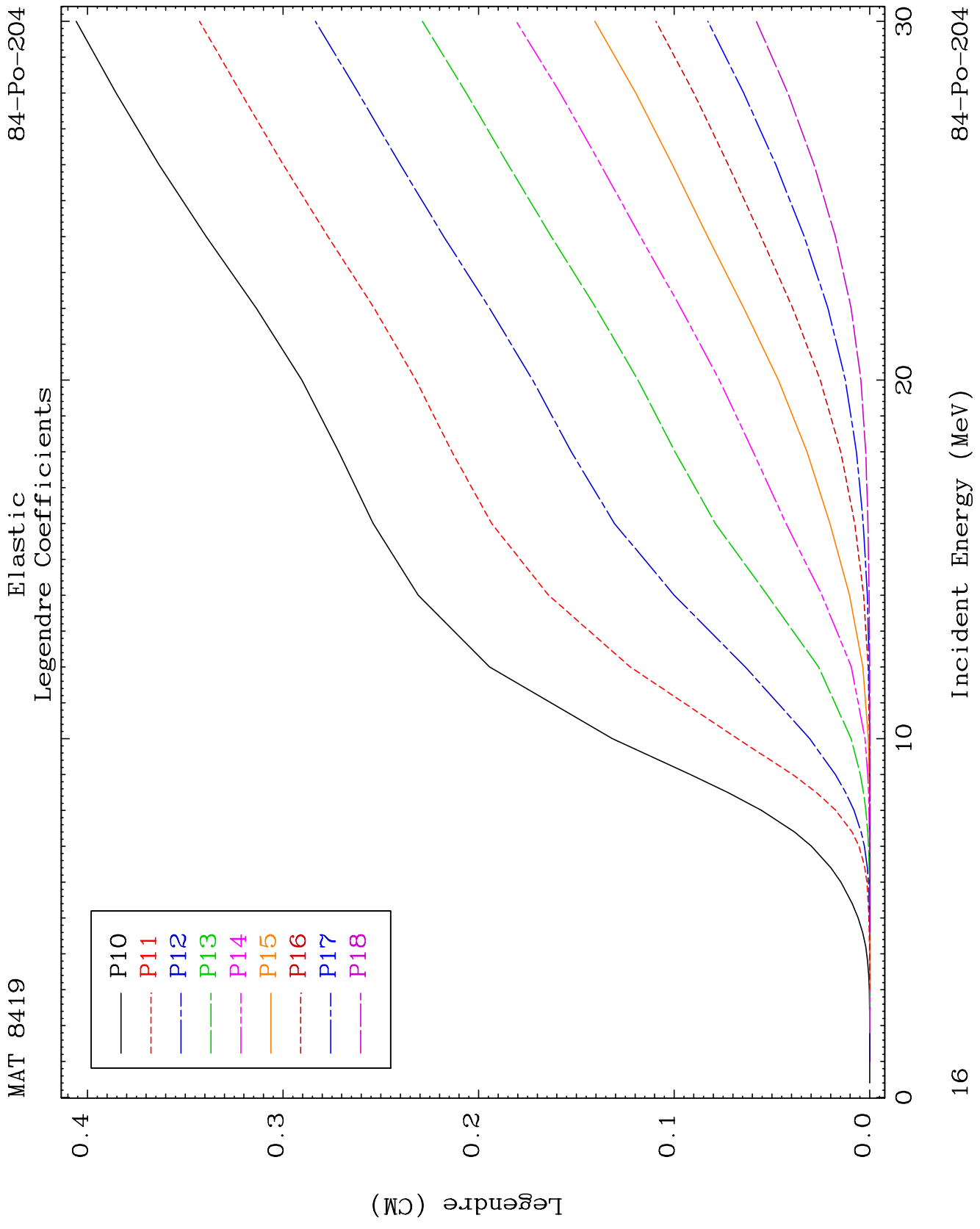
MAT 8419

(n,α) Levels
293 Kelvin Cross Sections

84-Po-204



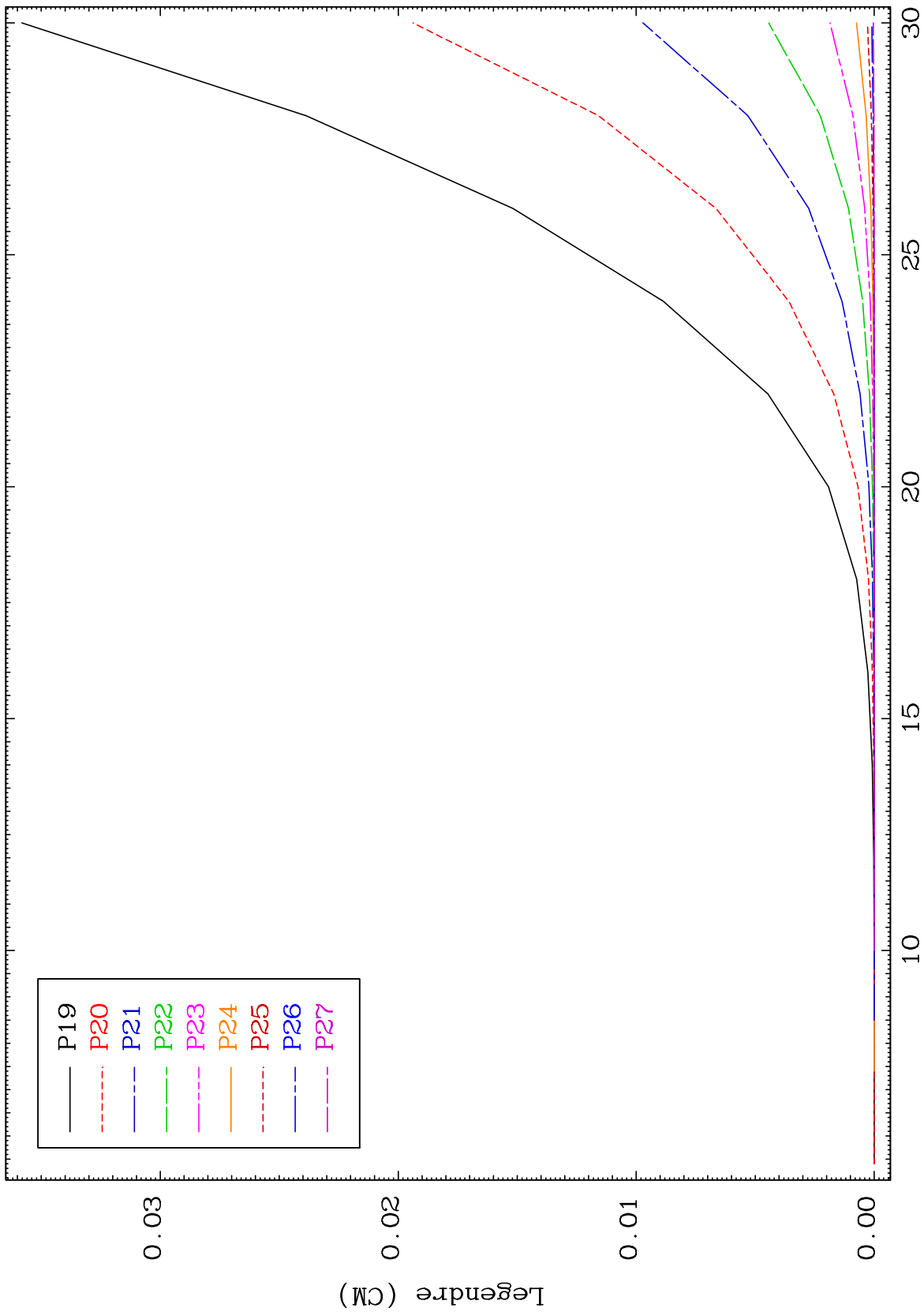




MAT 8419

Elastic Legendre Coefficients

84-Po-204



17

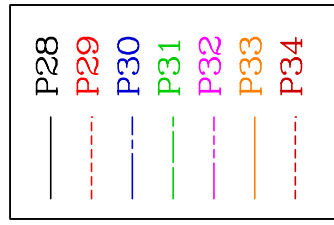
Incident Energy (MeV)

84-Po-204

MAT 8419

Elastic Legendre Coefficients

84-Po-204



$\times 10^{-5}$

1.2

1.0

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

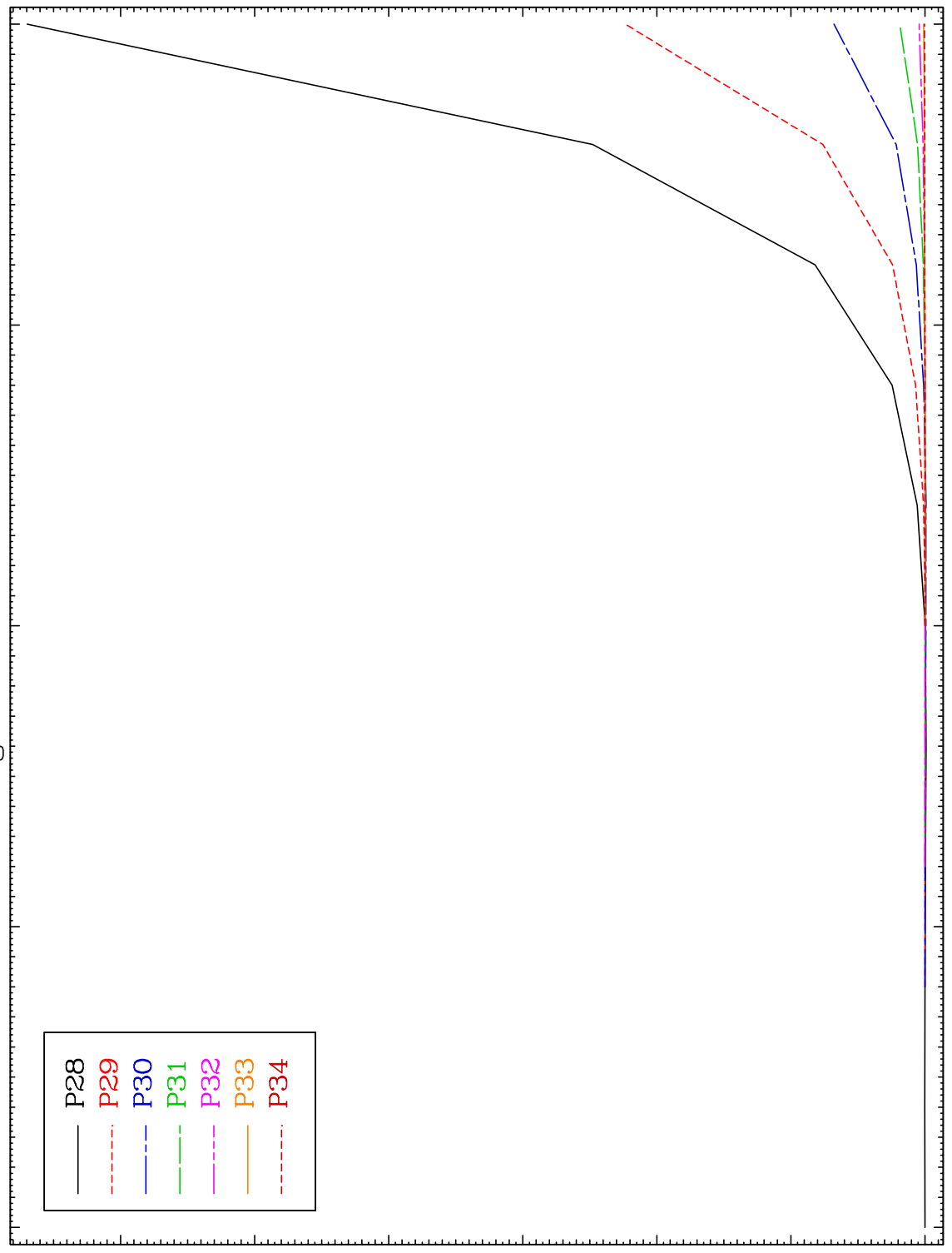
25

30

18

Incident Energy (MeV)

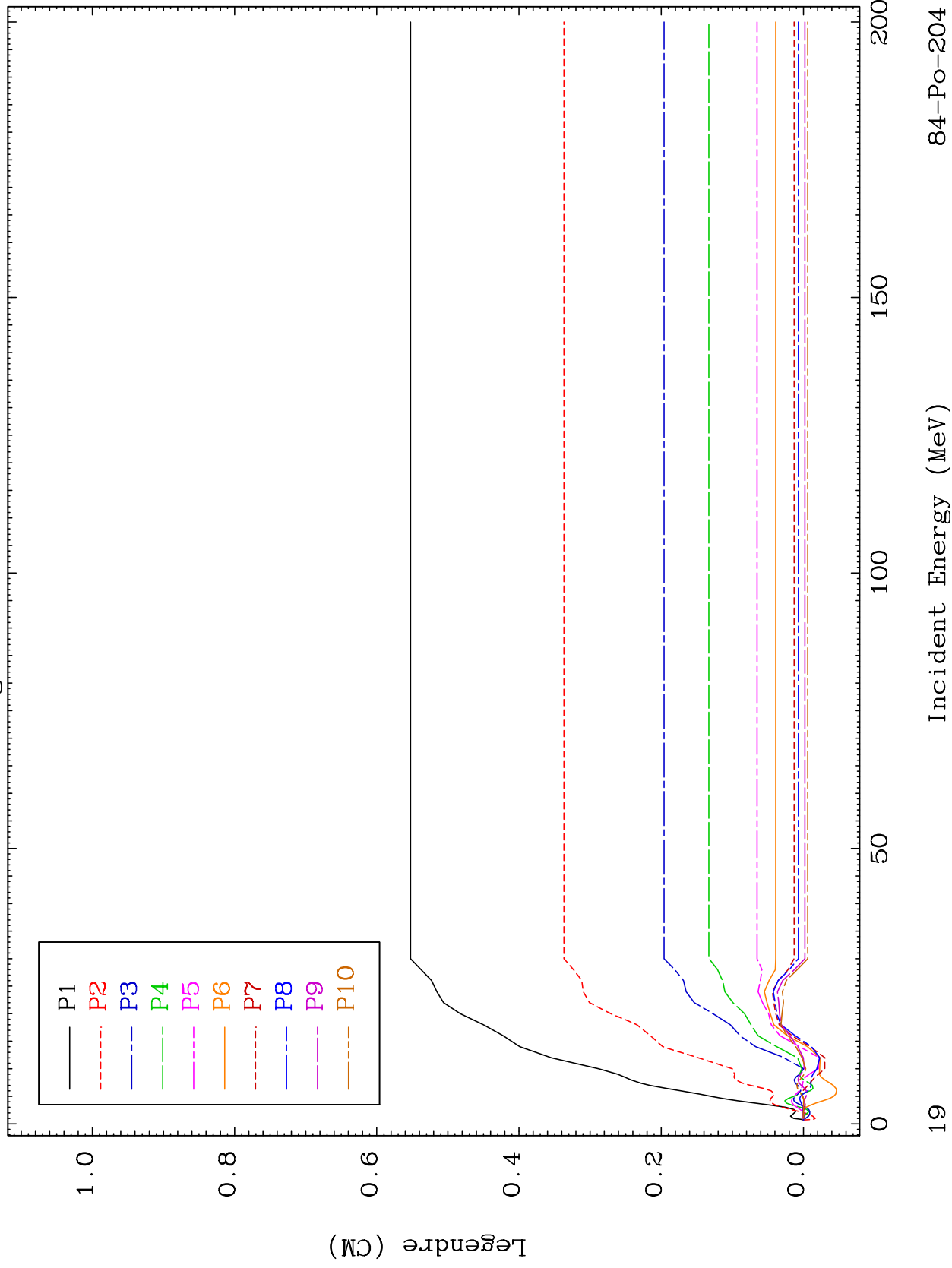
84-Po-204



MAT 8419

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

84-Po-204



19

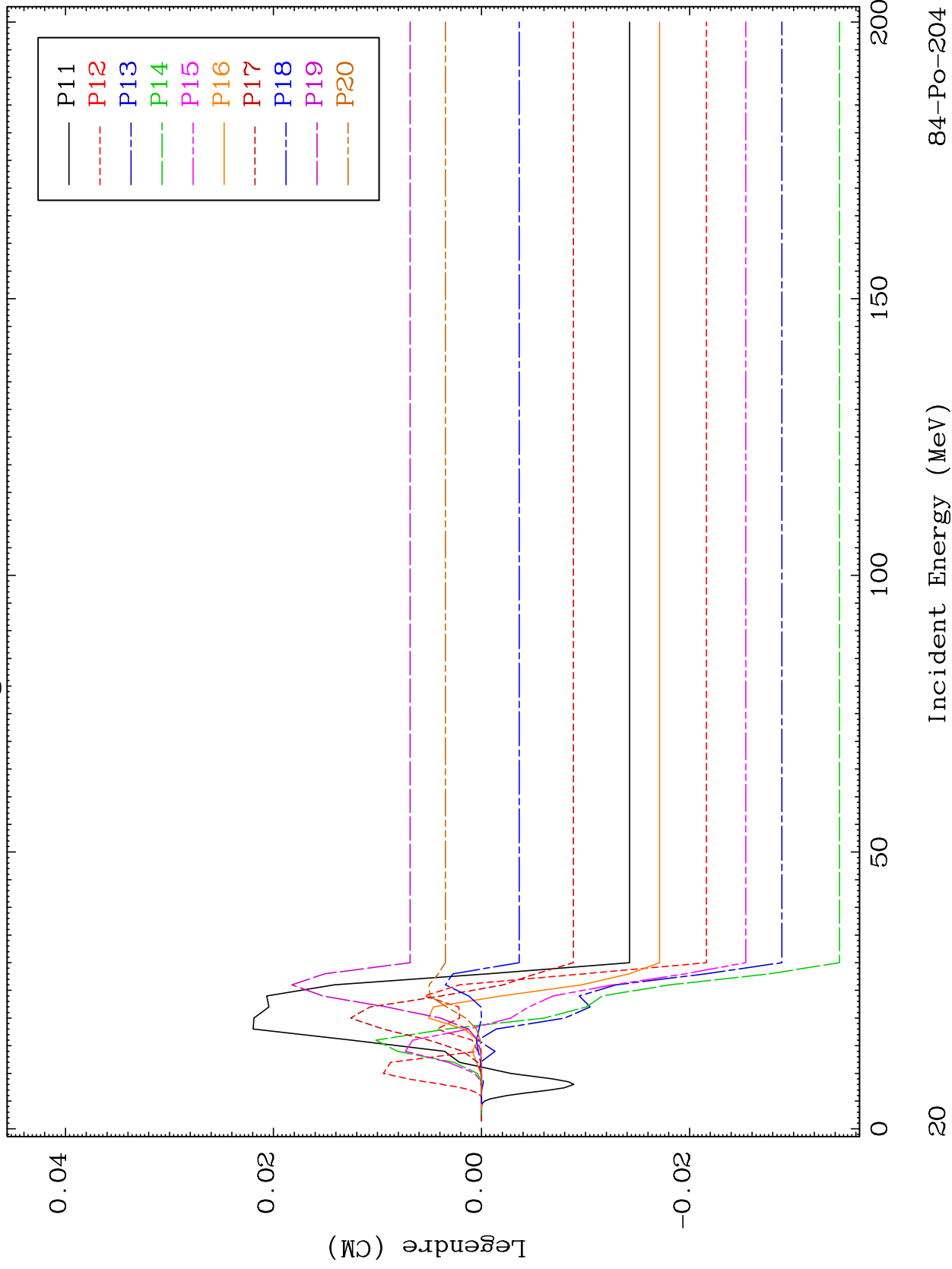
Incident Energy (MeV)

84-Po-204

MAT 8419

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

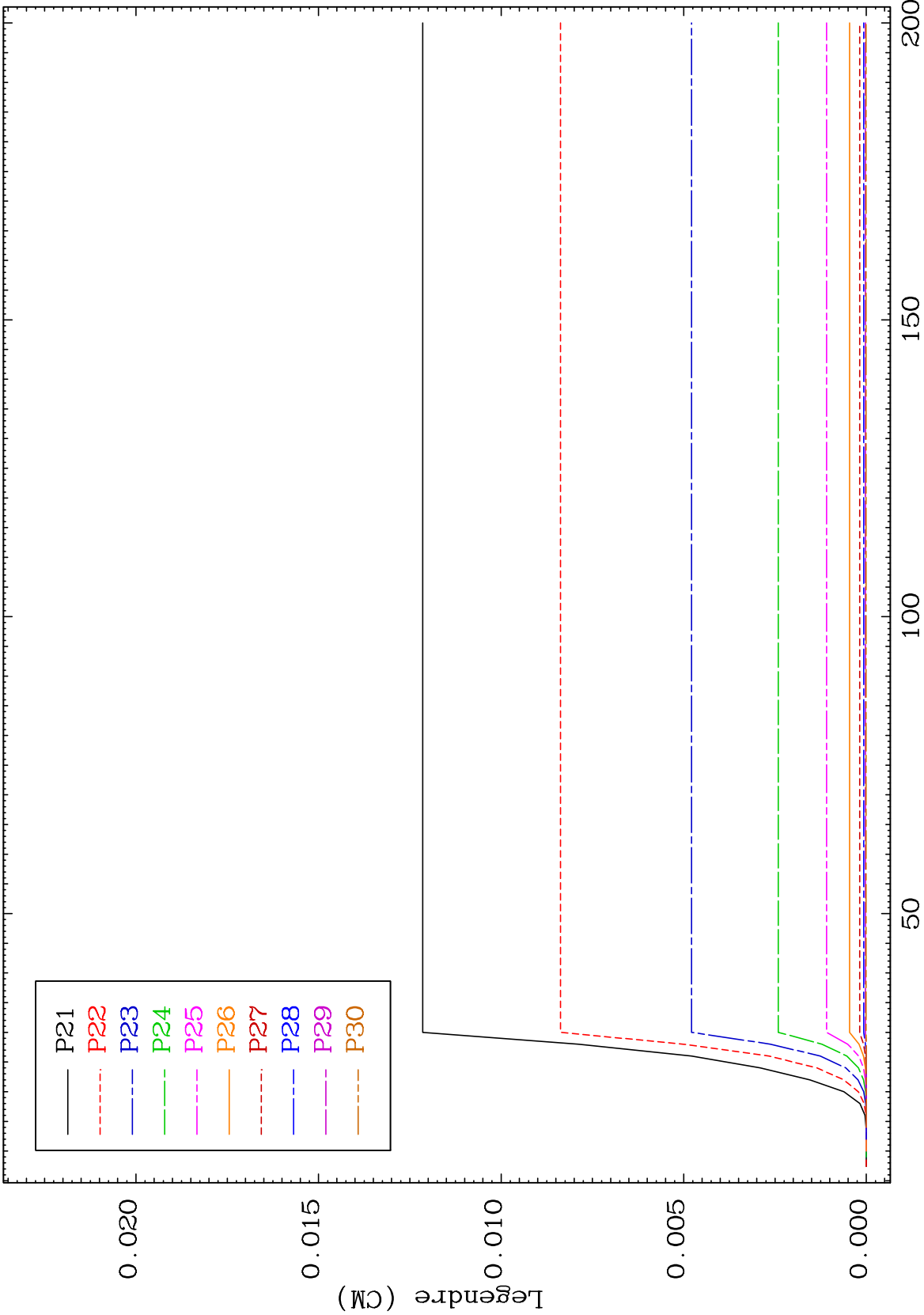
84-Po-204



MAT 8419

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

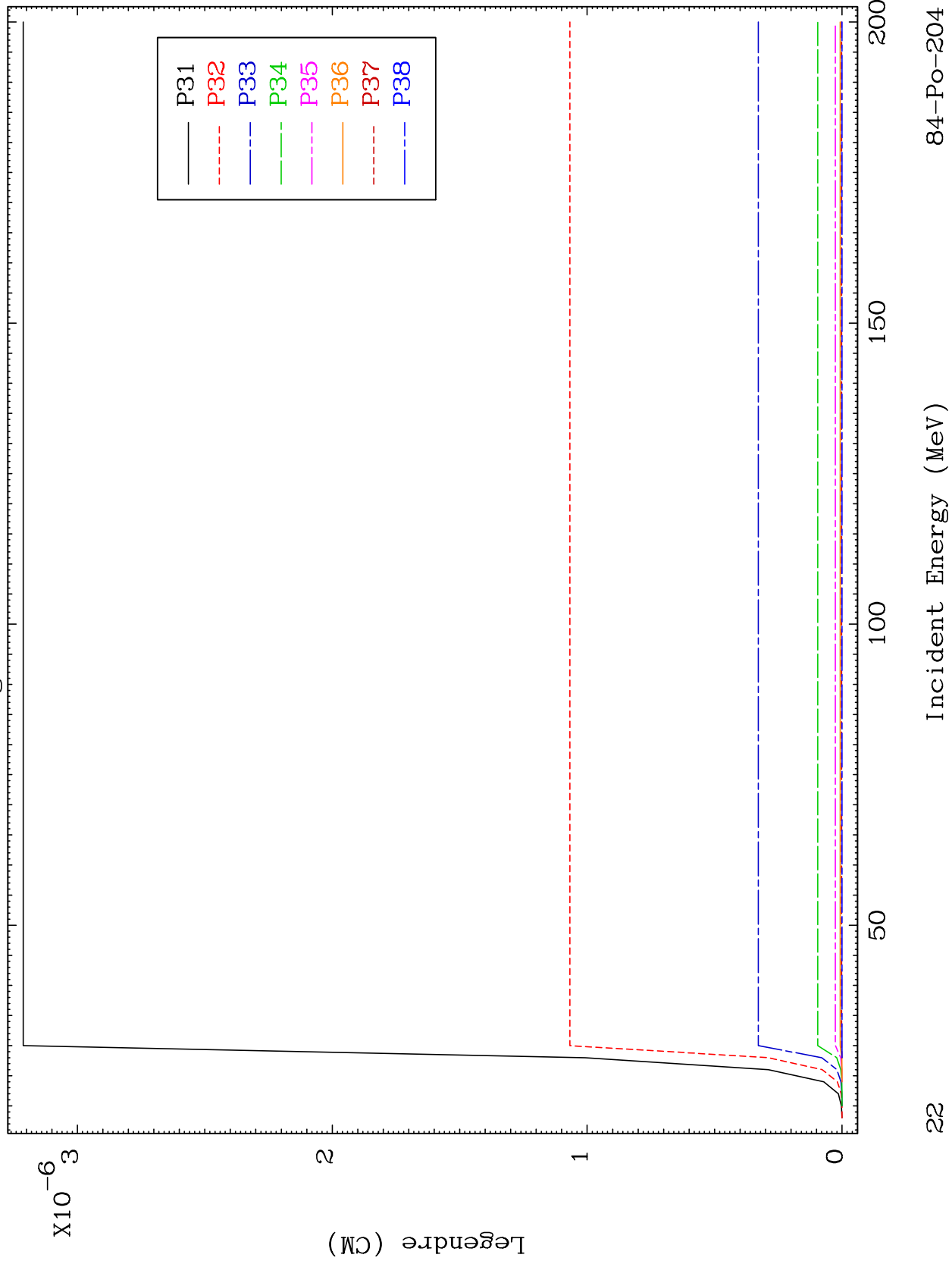
84-Po-204



MAT 8419

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

84-Po-204



22

Incident Energy (MeV)

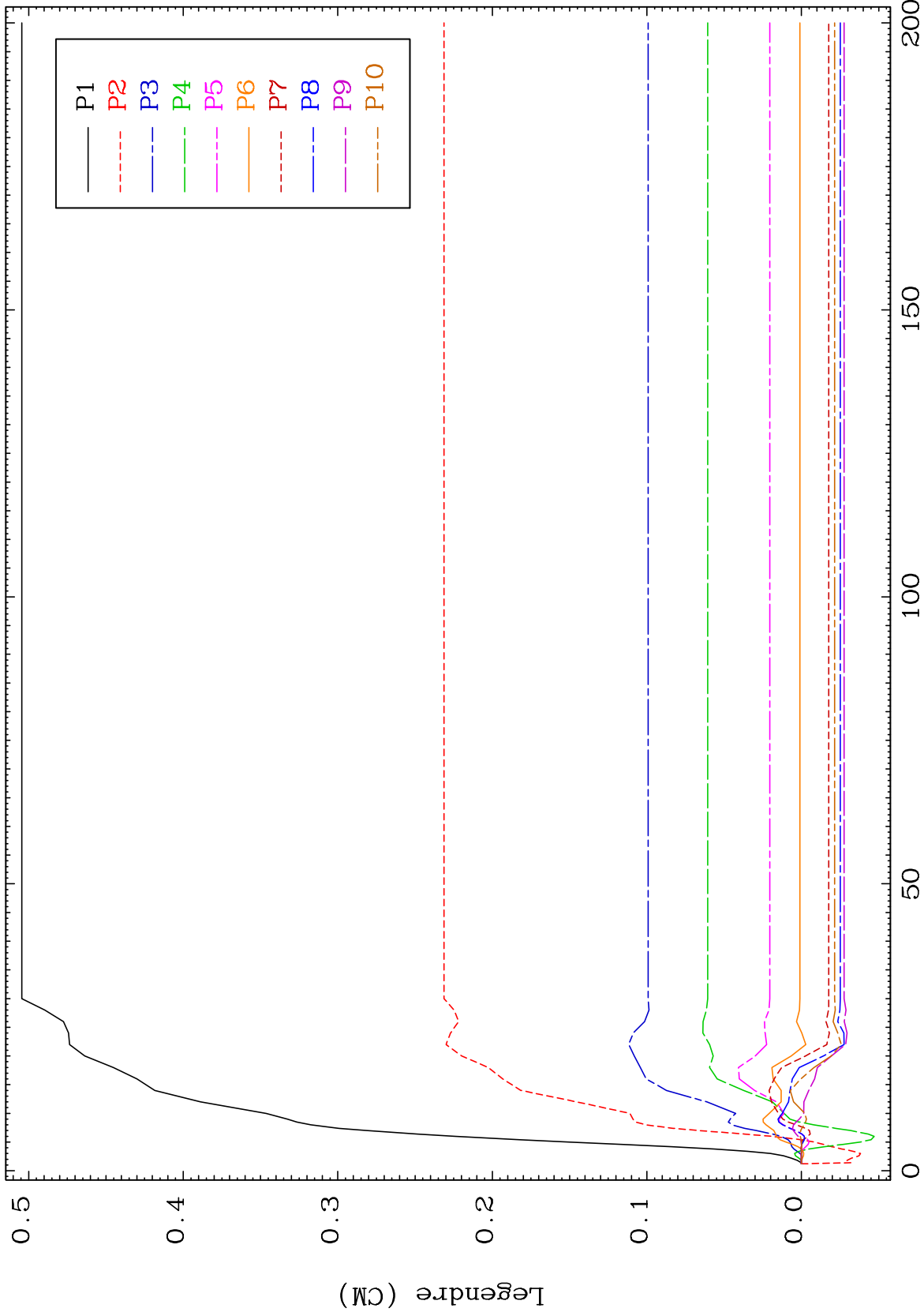
84-Po-204

MAT 8419

MT= 52 (n,n') Level

84-Po-204

Legendre Coefficients



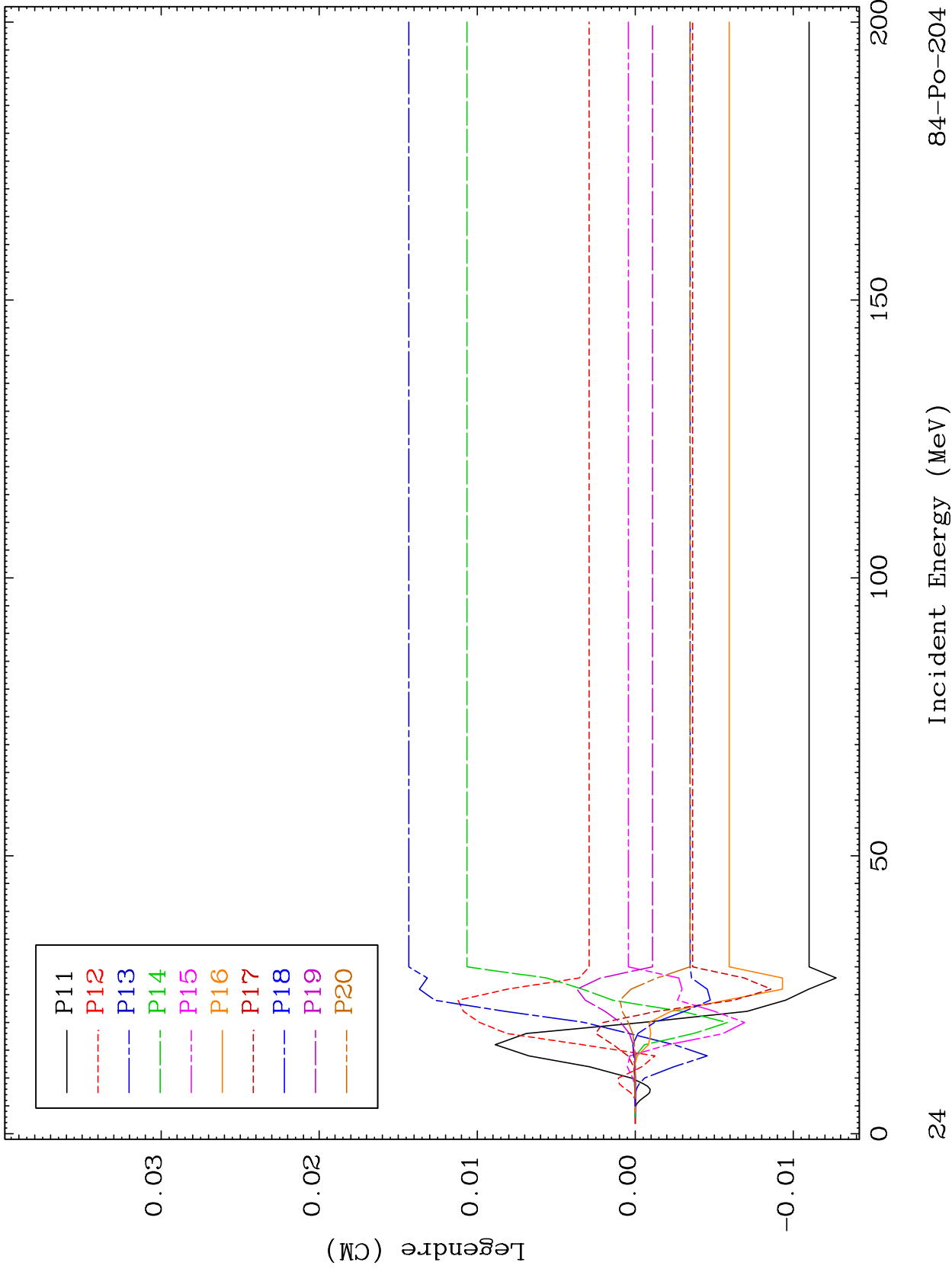
23

84-Po-204

MAT 8419

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

84-Po-204

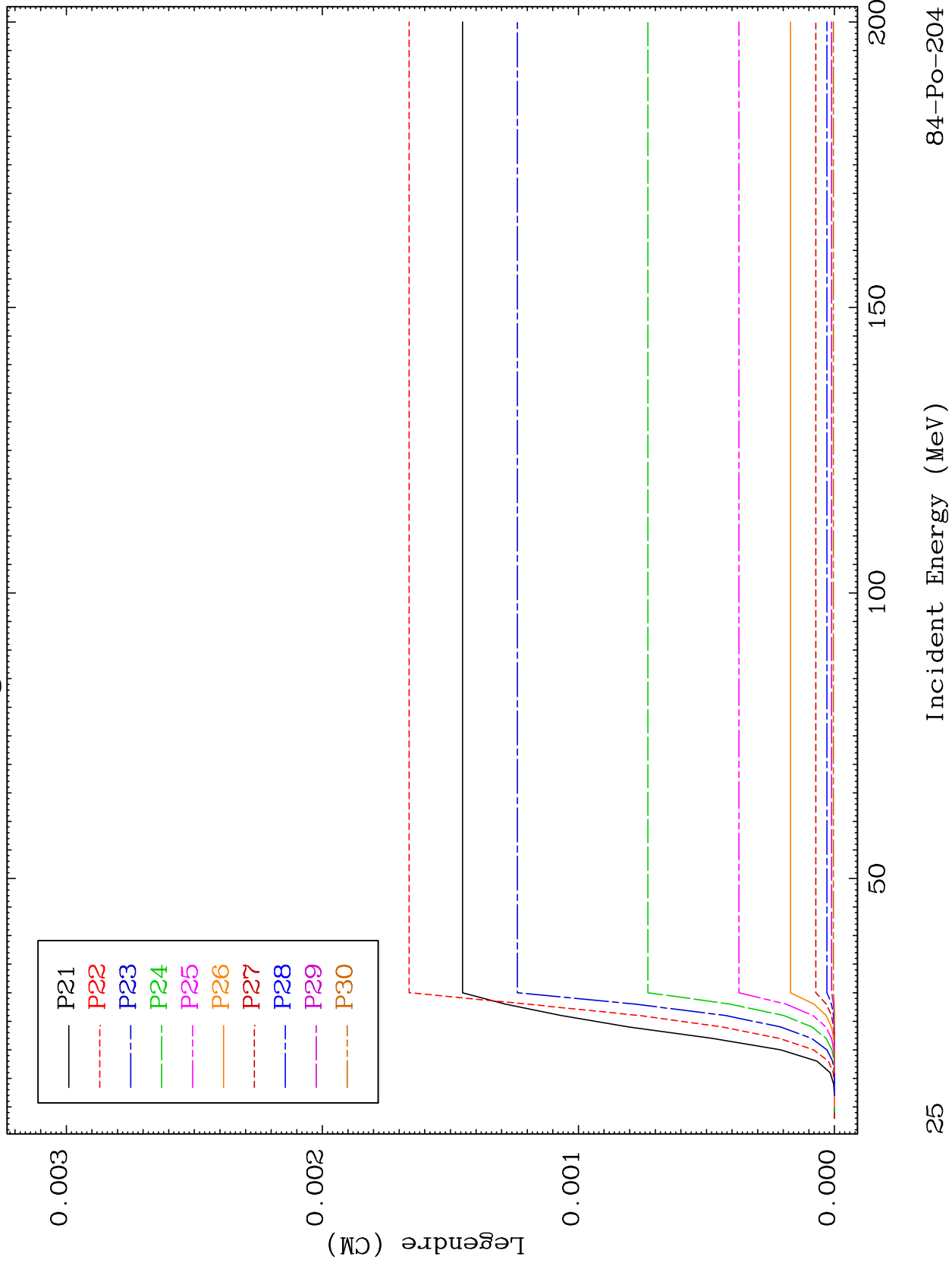


24

MAT 8419

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

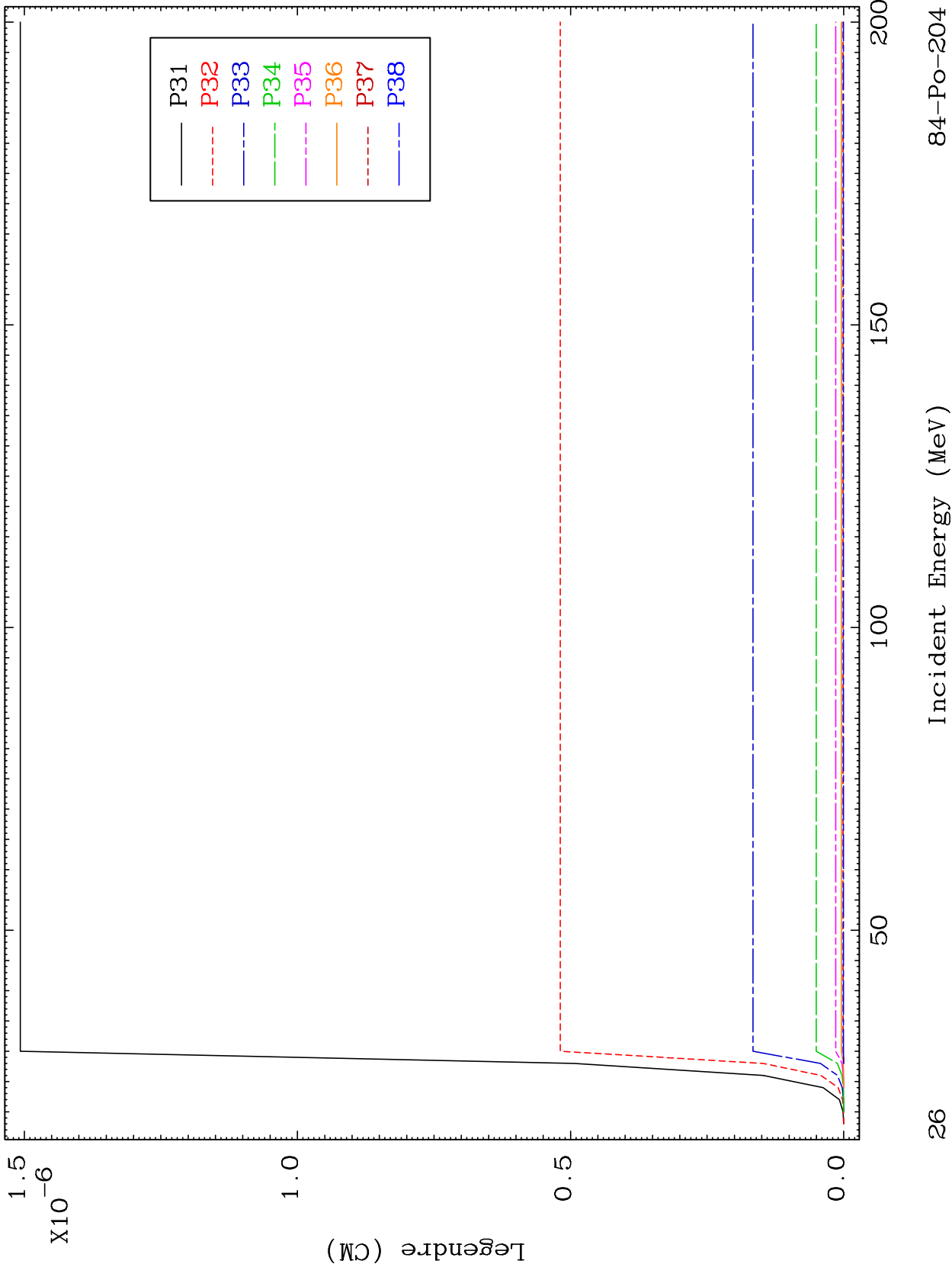
84-Po-204



25

Incident Energy (MeV)

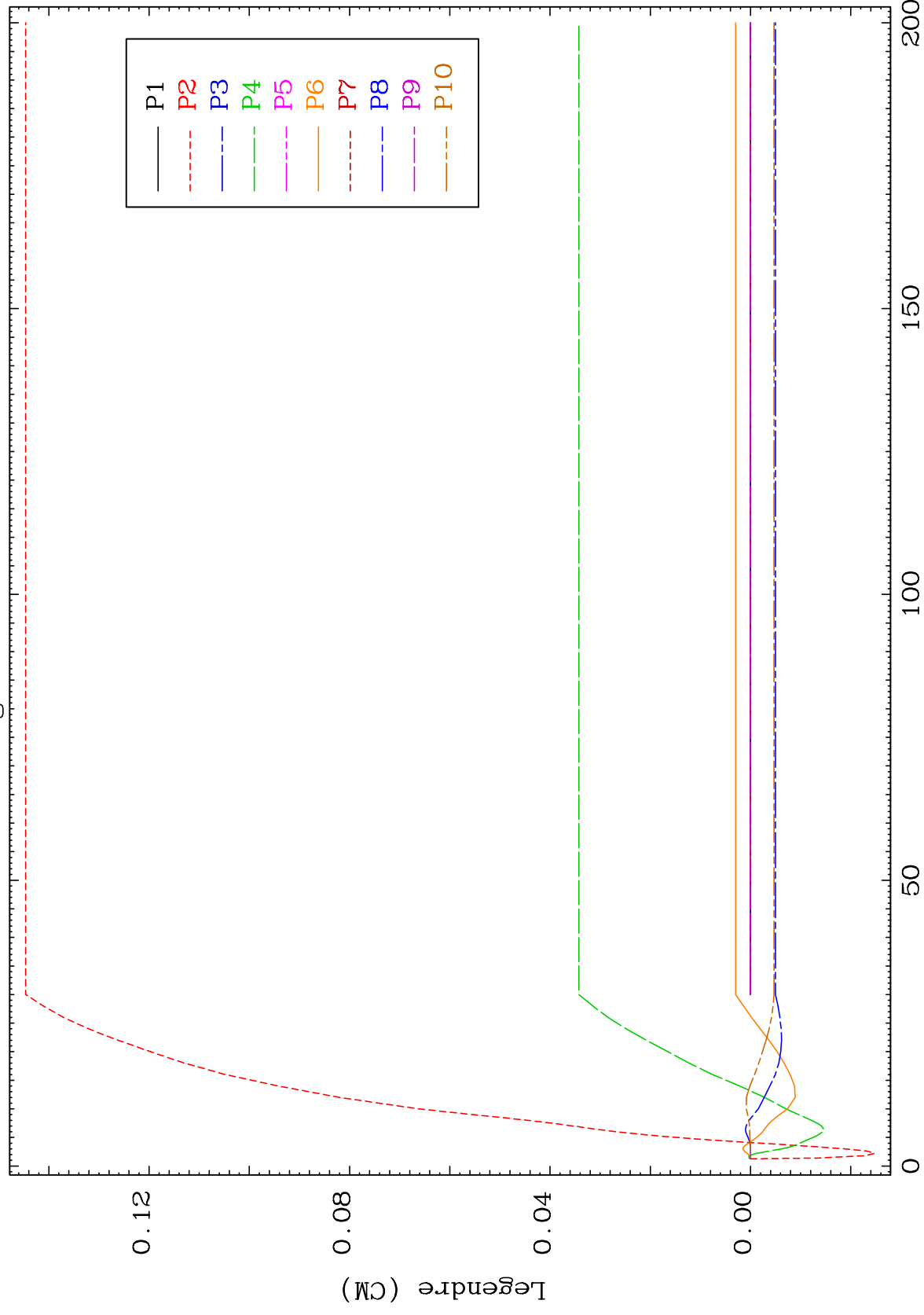
84-Po-204



MAT 8419

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

84-Po-204



27

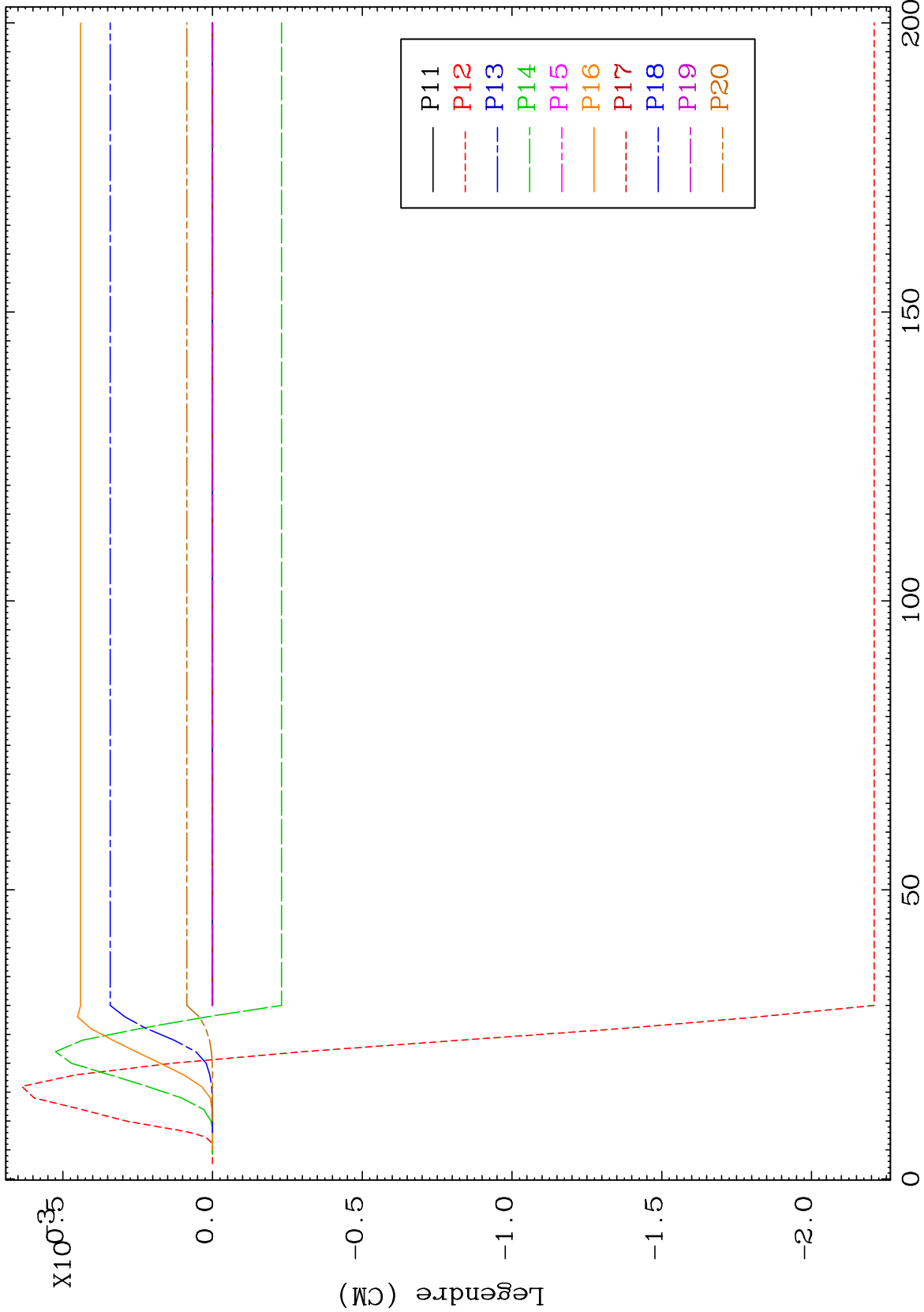
Incident Energy (MeV)

84-Po-204

MAT 8419

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

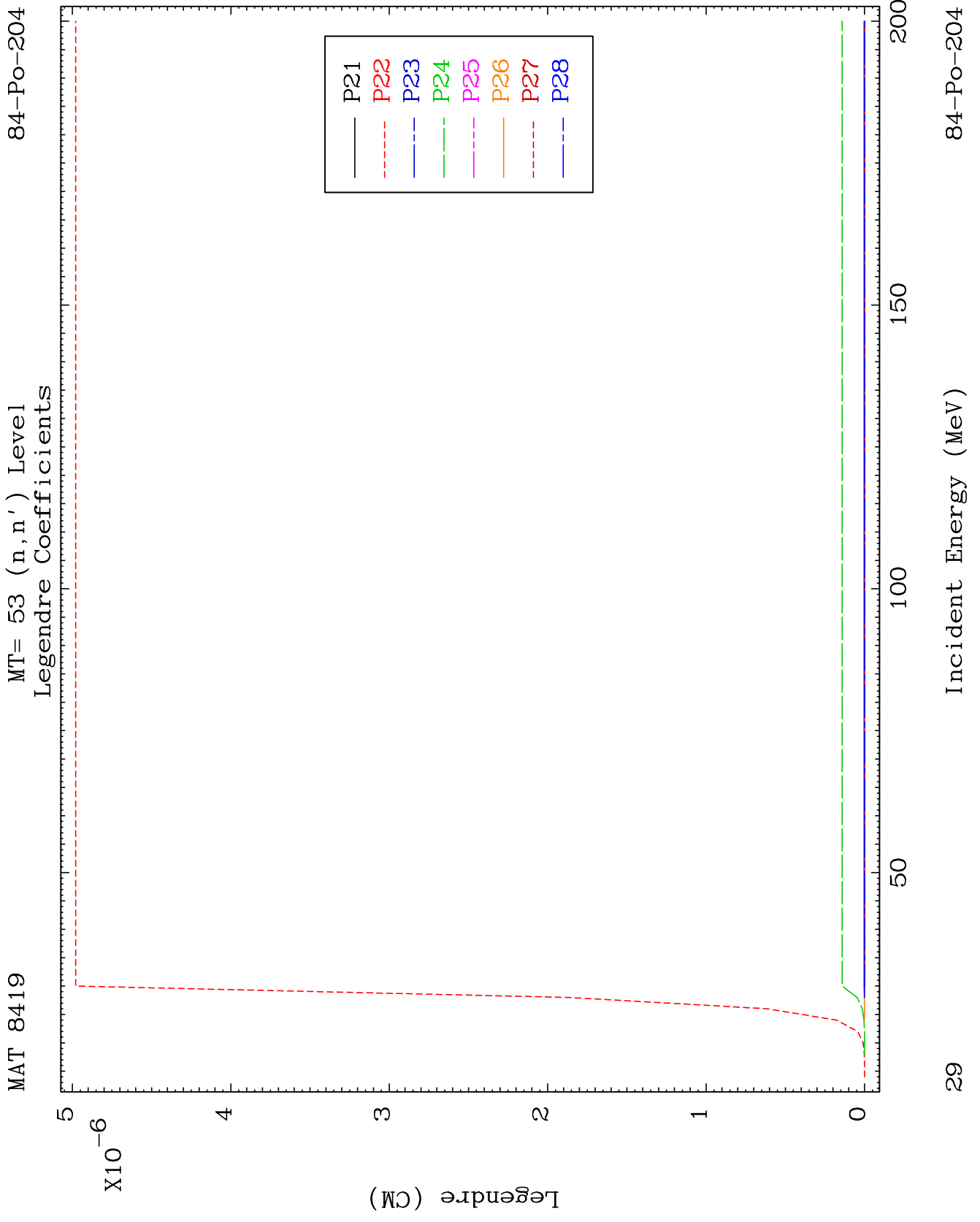
84-Po-204



28

Incident Energy (MeV)

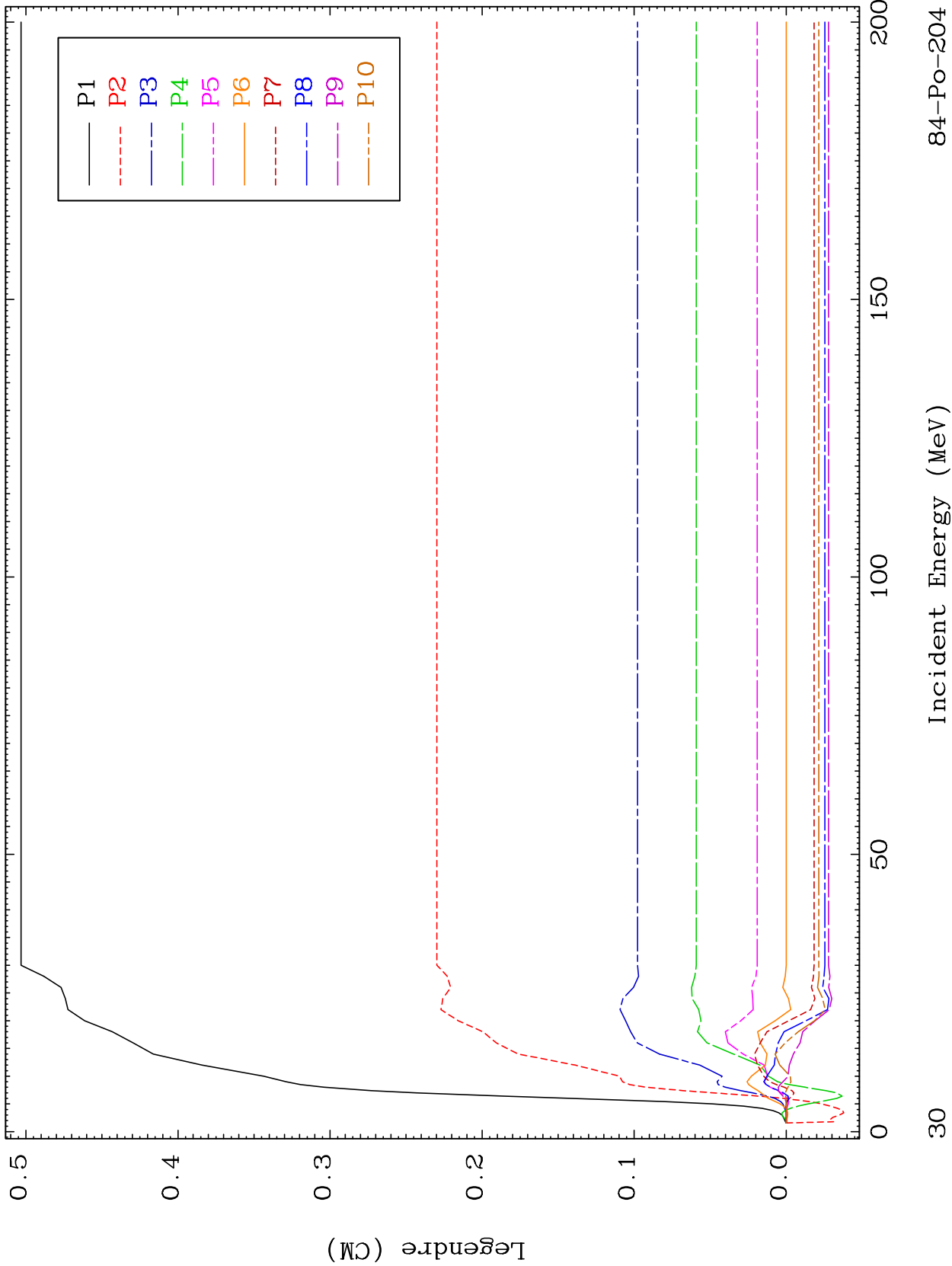
84-Po-204



MAT 8419

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

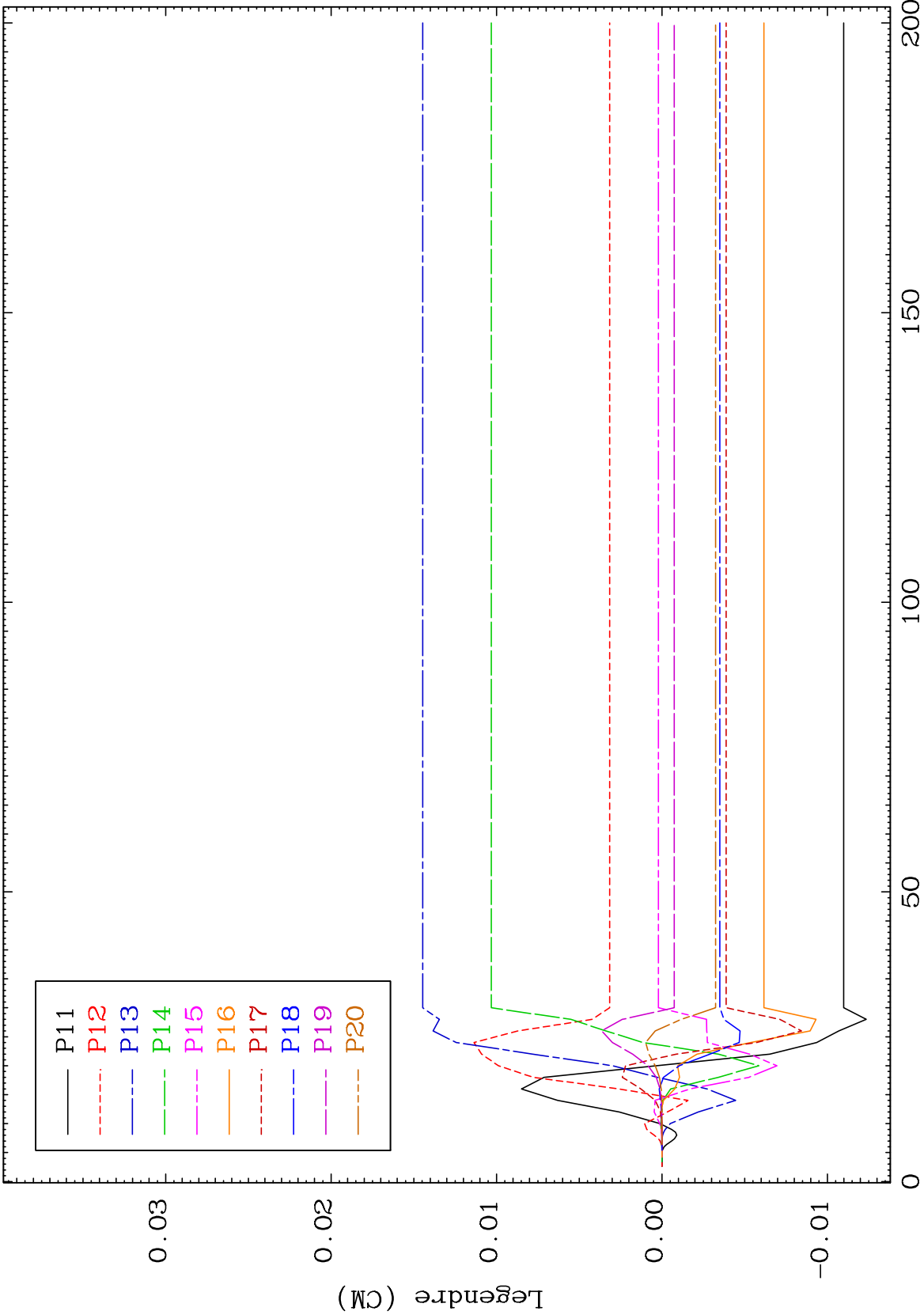
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MAT 8419

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

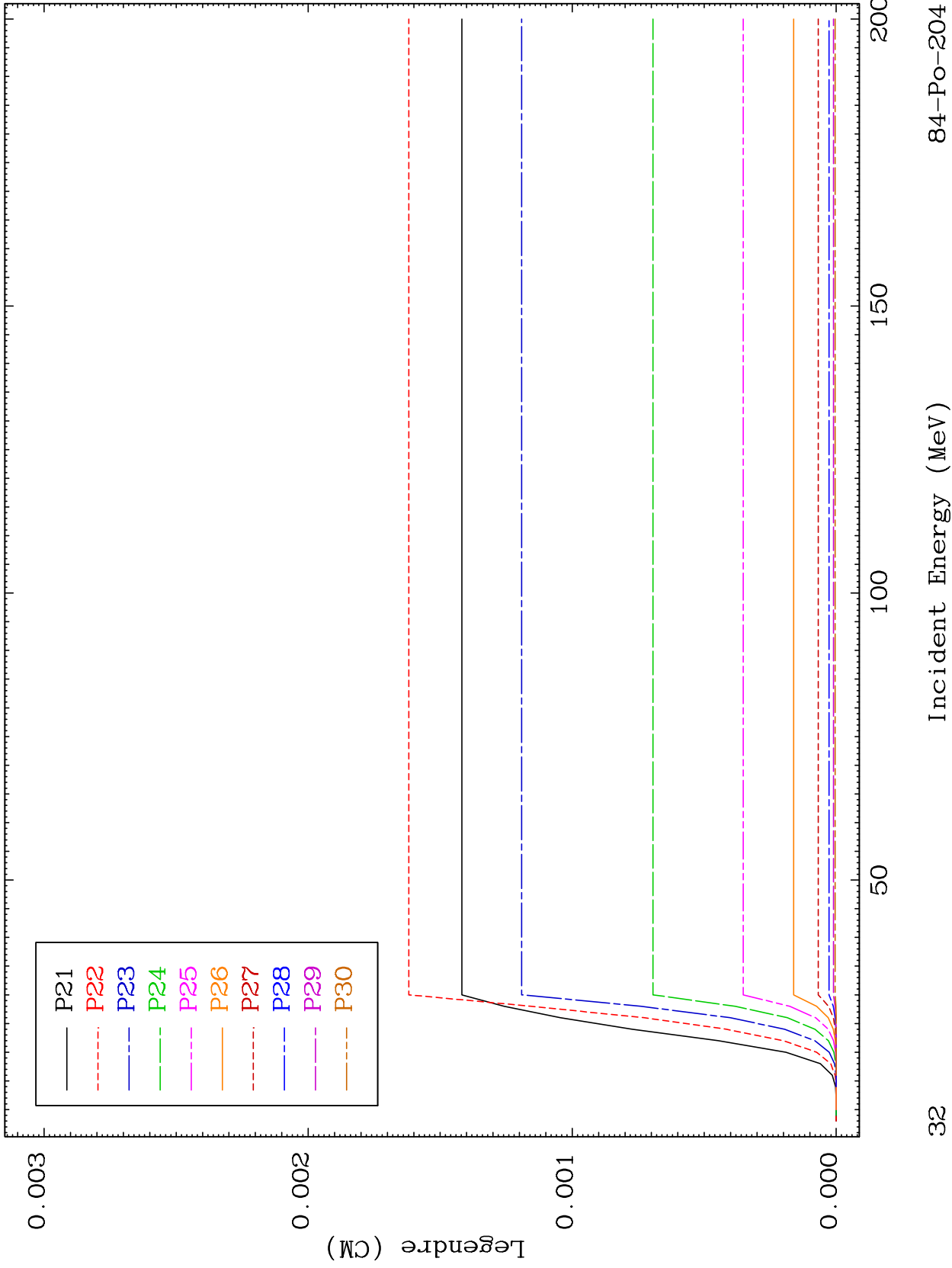
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MAT 8419

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

84-Po-204



32

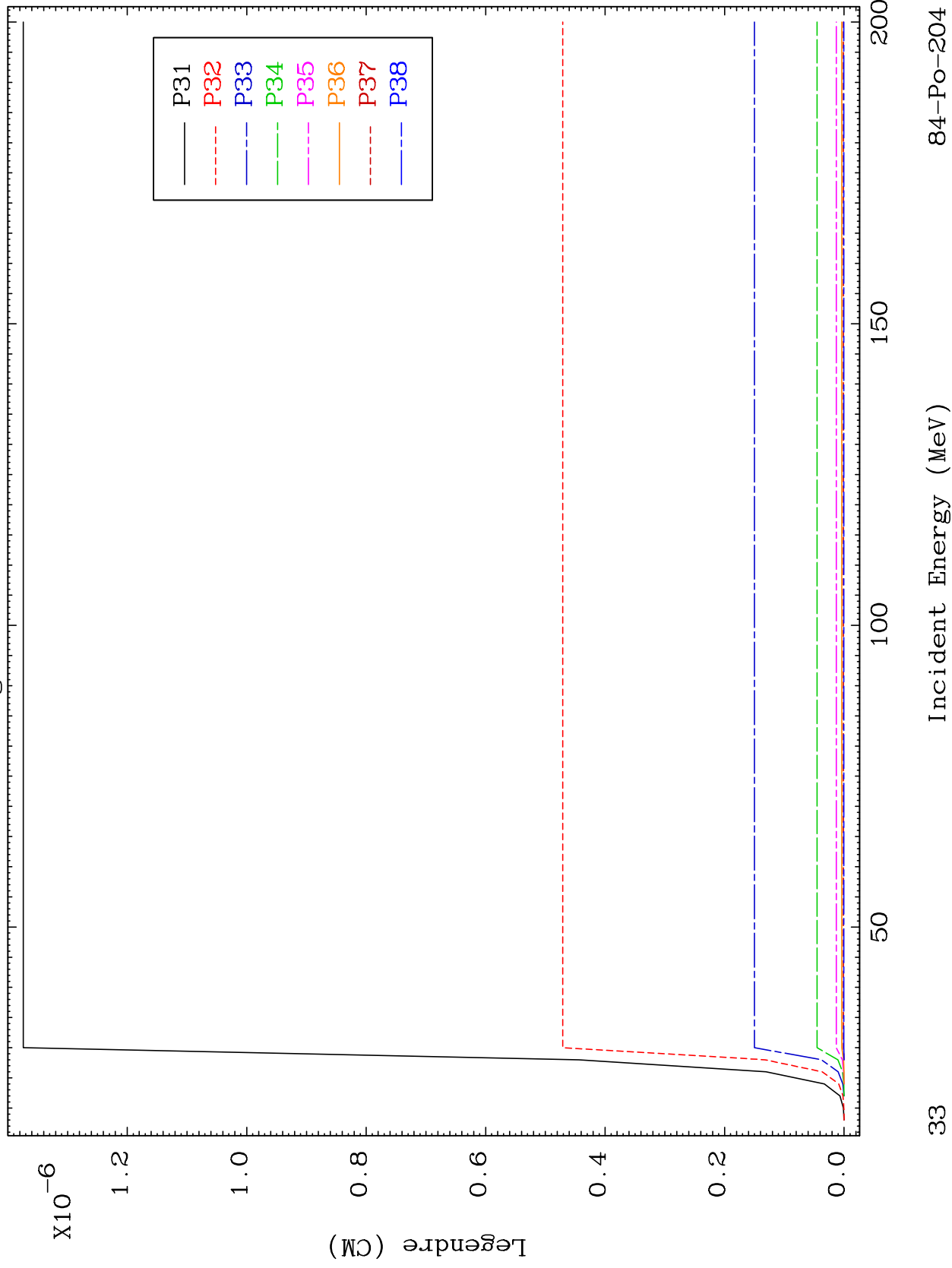
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204

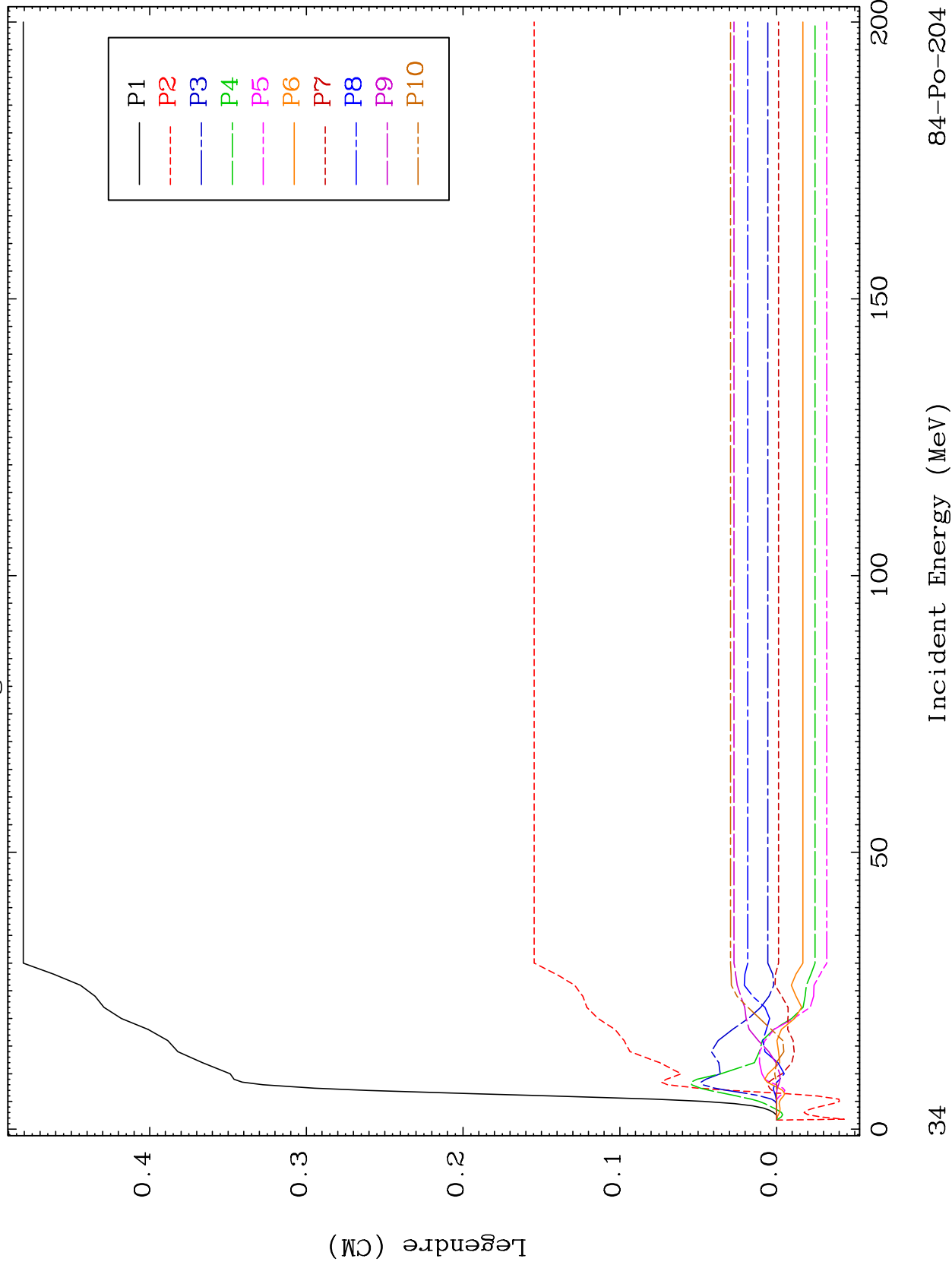


33

MAT 8419

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

84-Po-204



34

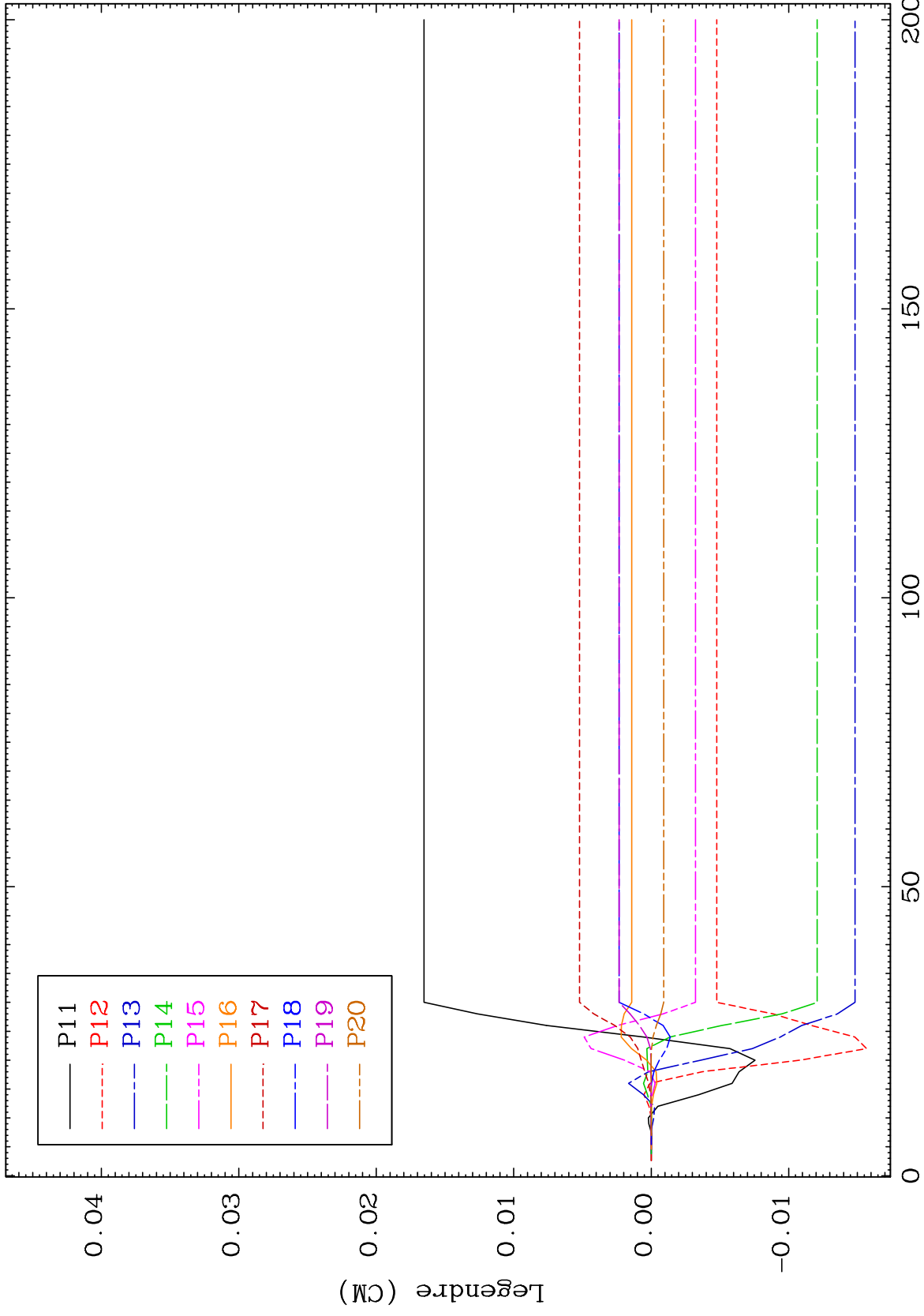
Incident Energy (MeV)

84-Po-204

MAT 8419

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

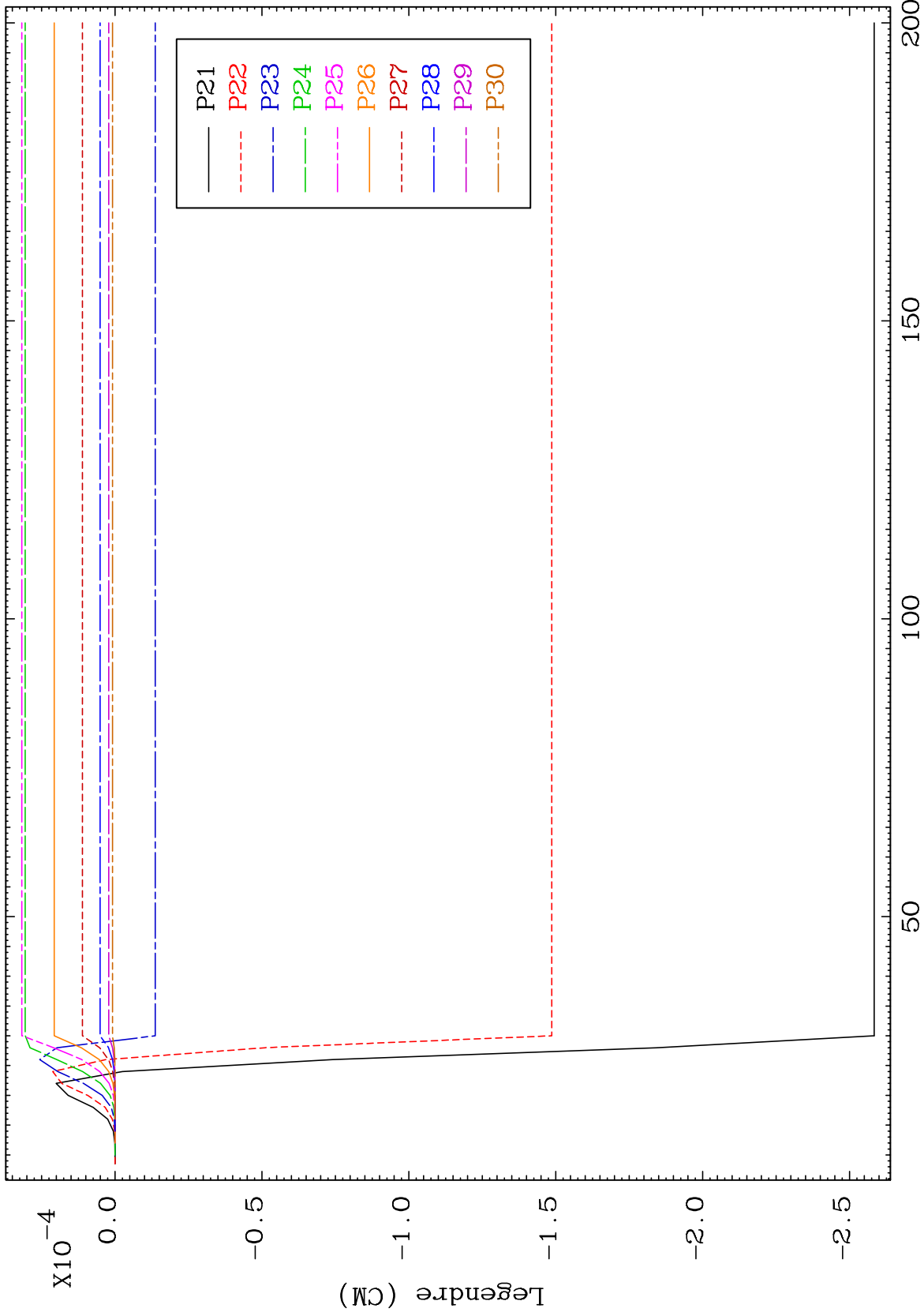
84-Po-204



35

Incident Energy (MeV)

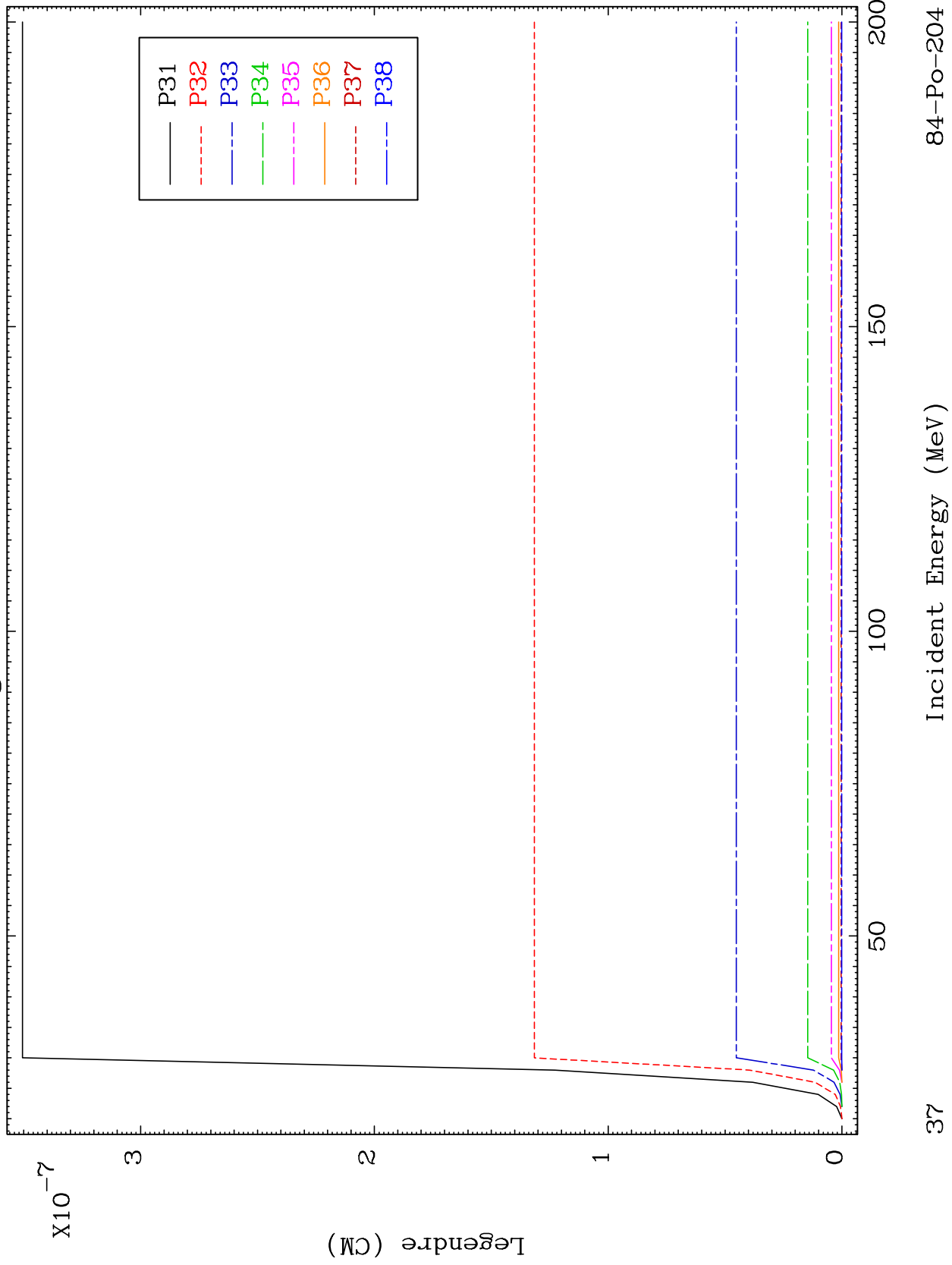
84-Po-204



MAT 8419

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

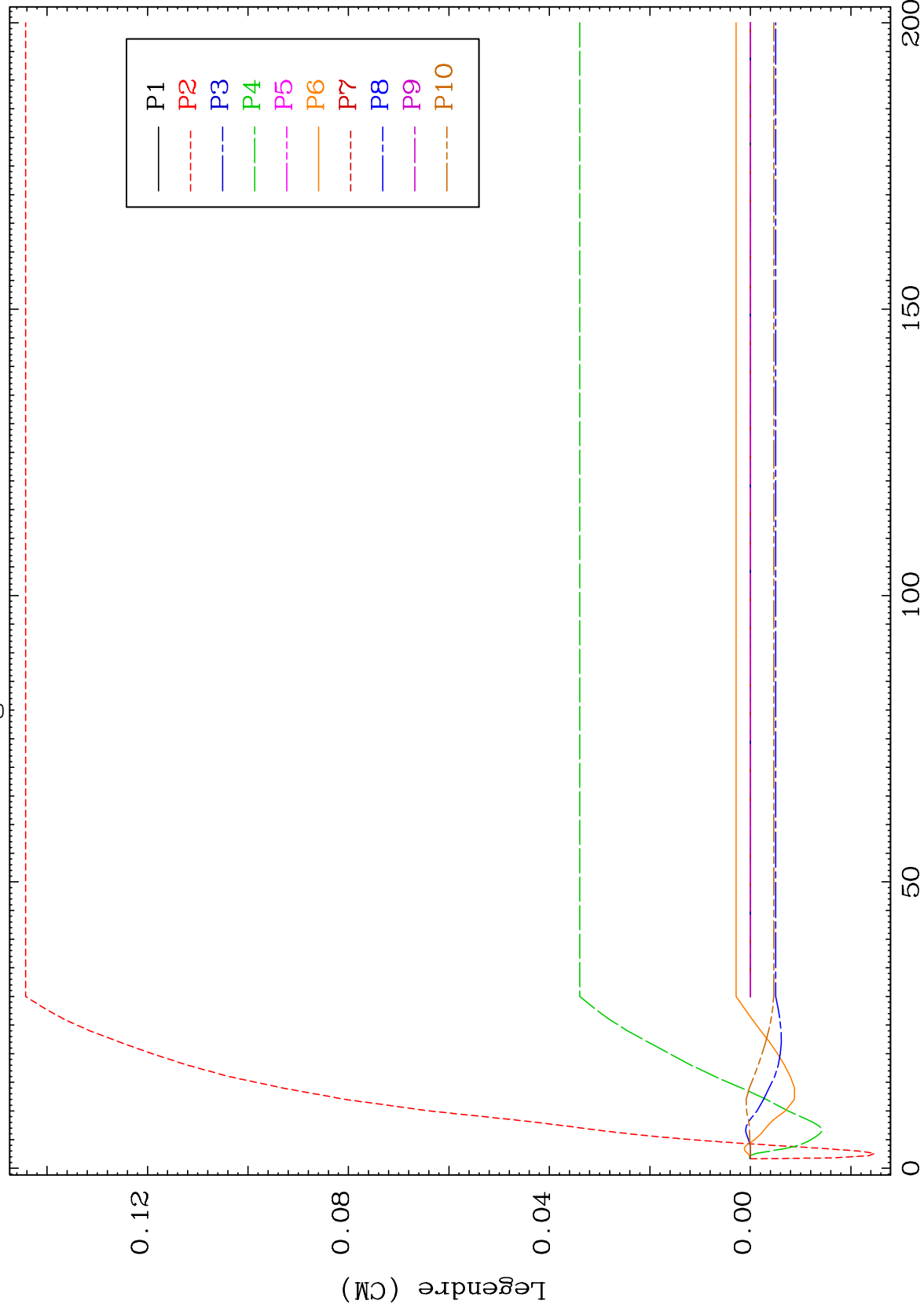
84-Po-204



MAT 8419

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

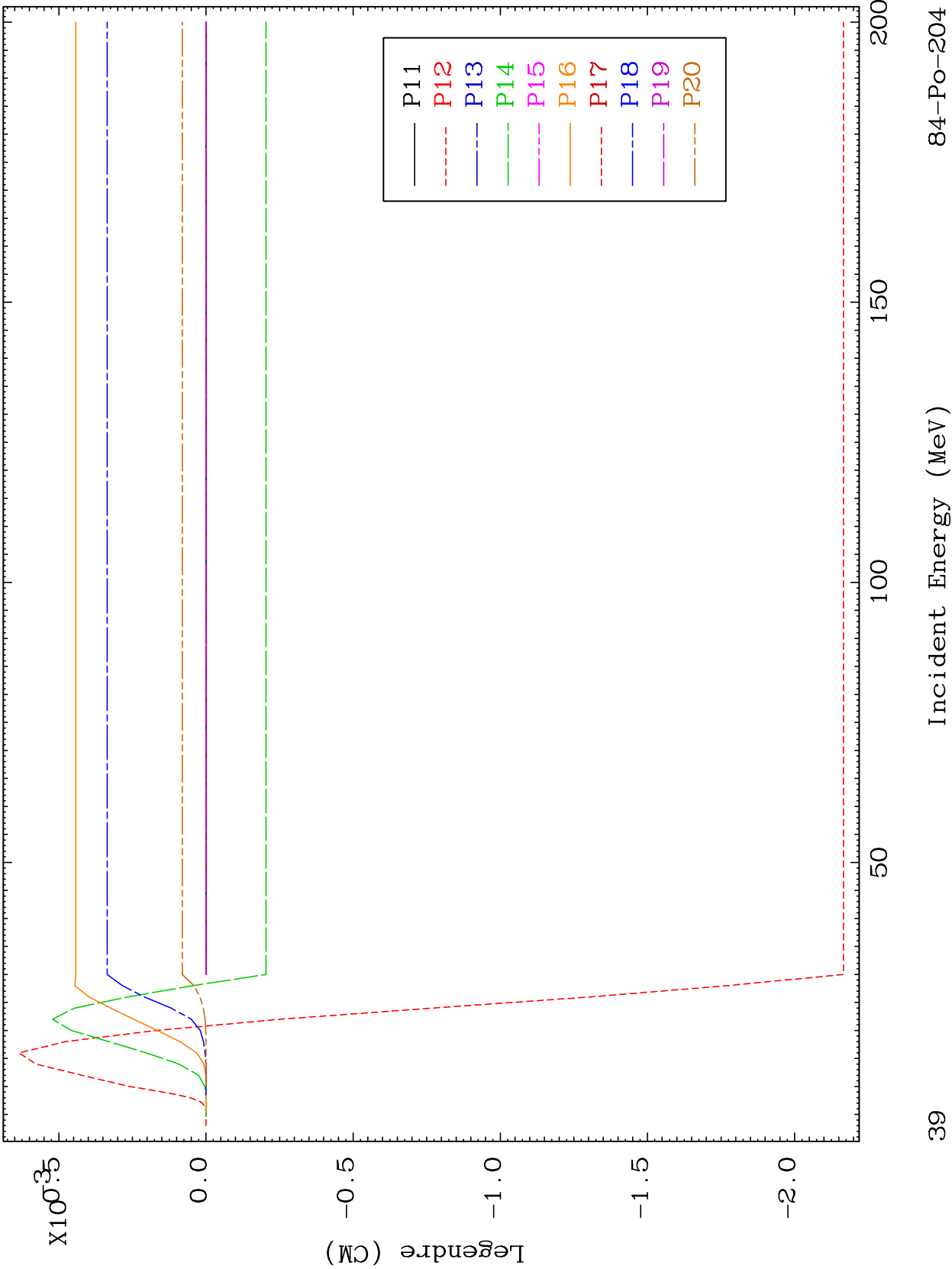
84-Po-204



38

Incident Energy (MeV)

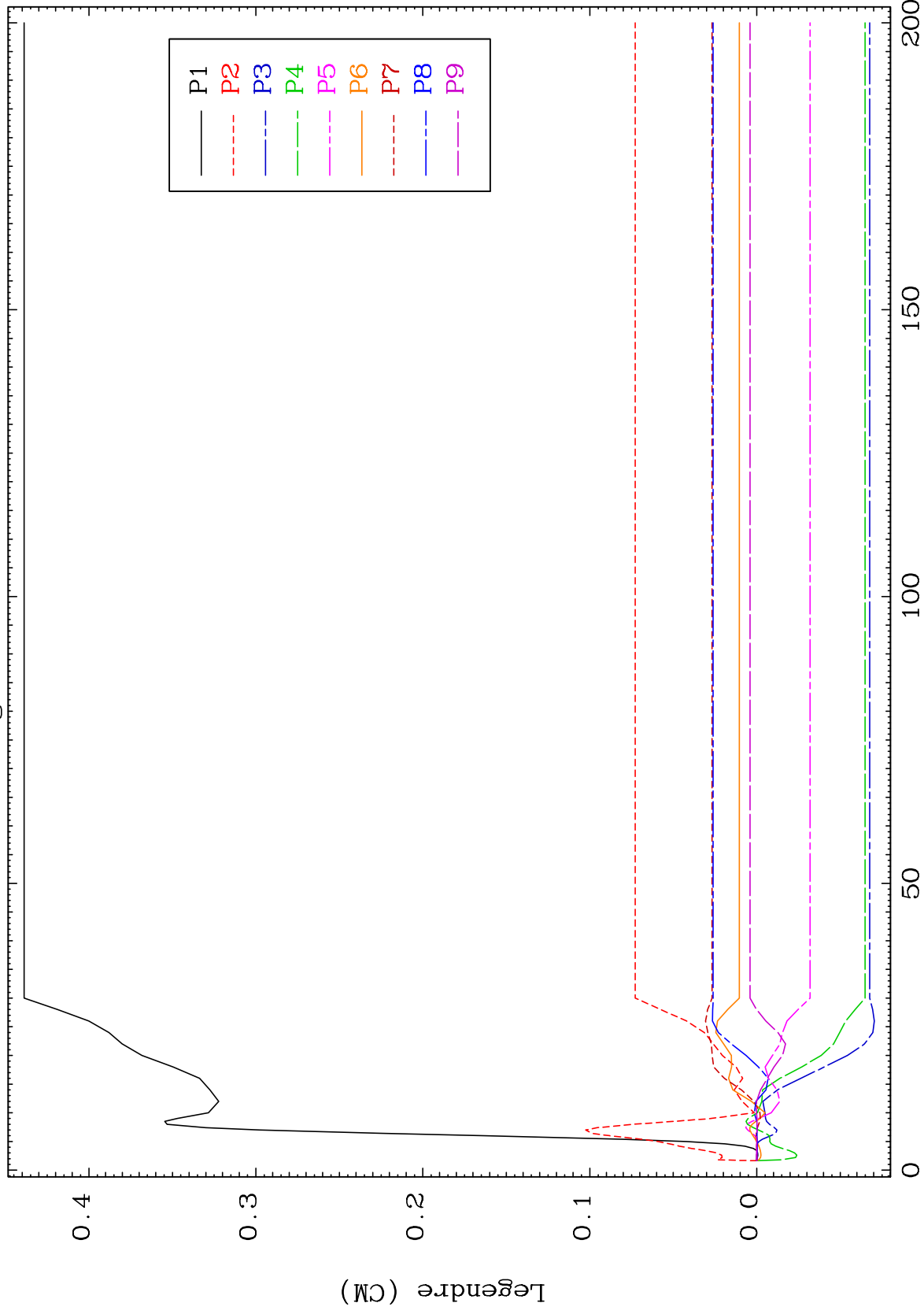
84-Po-204



MAT 8419

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

84-Po-204



41

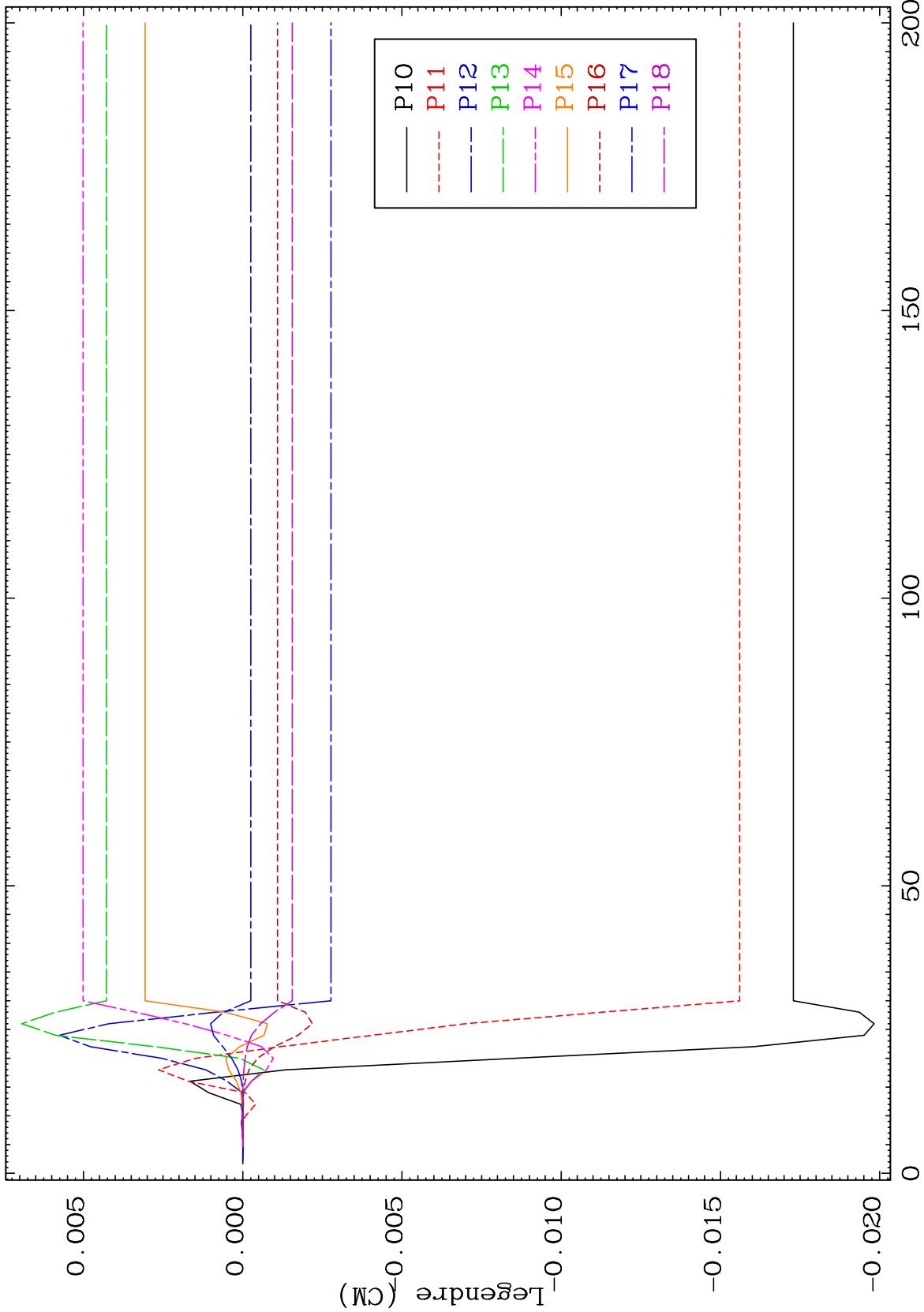
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



42

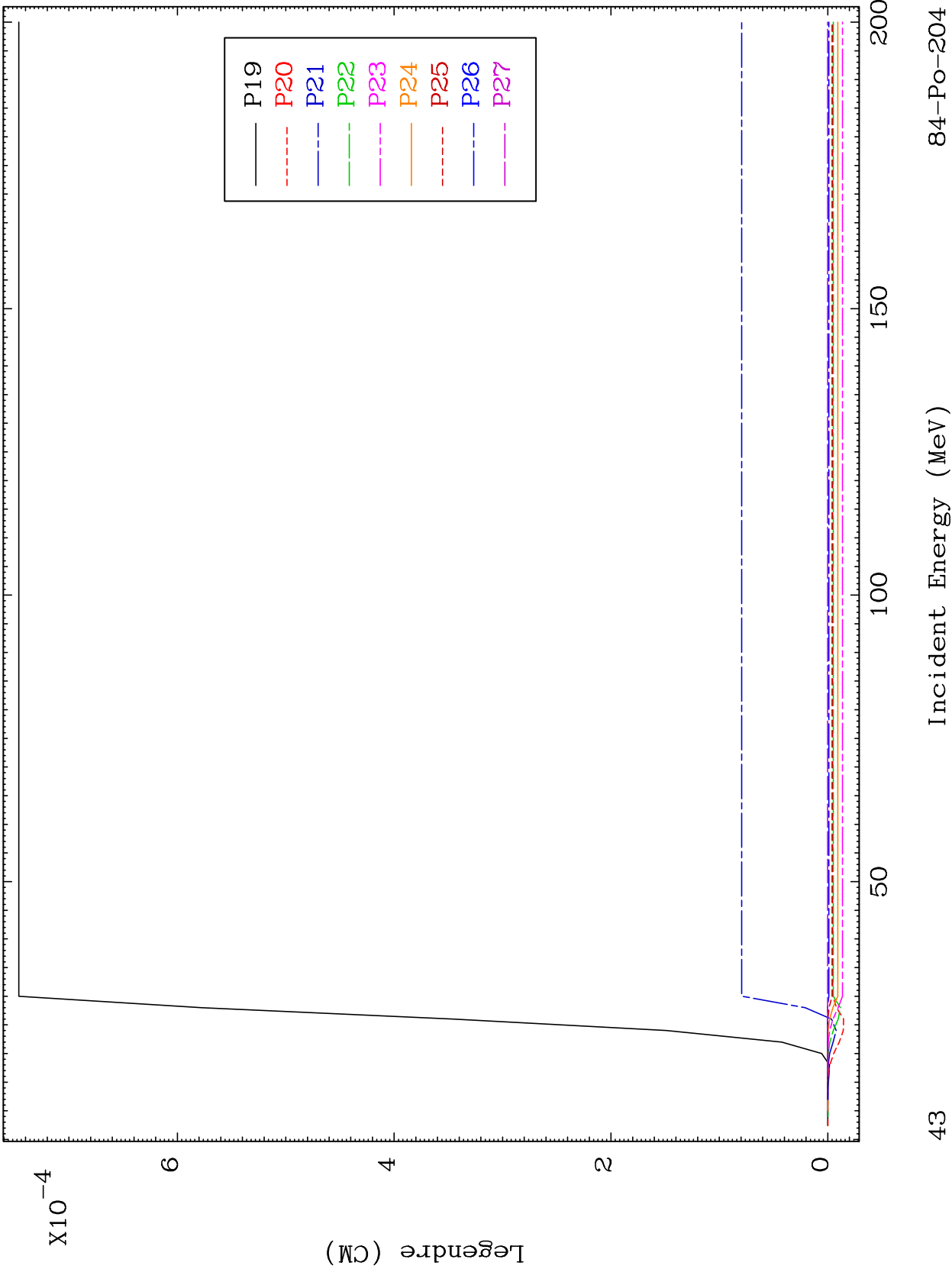
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



43

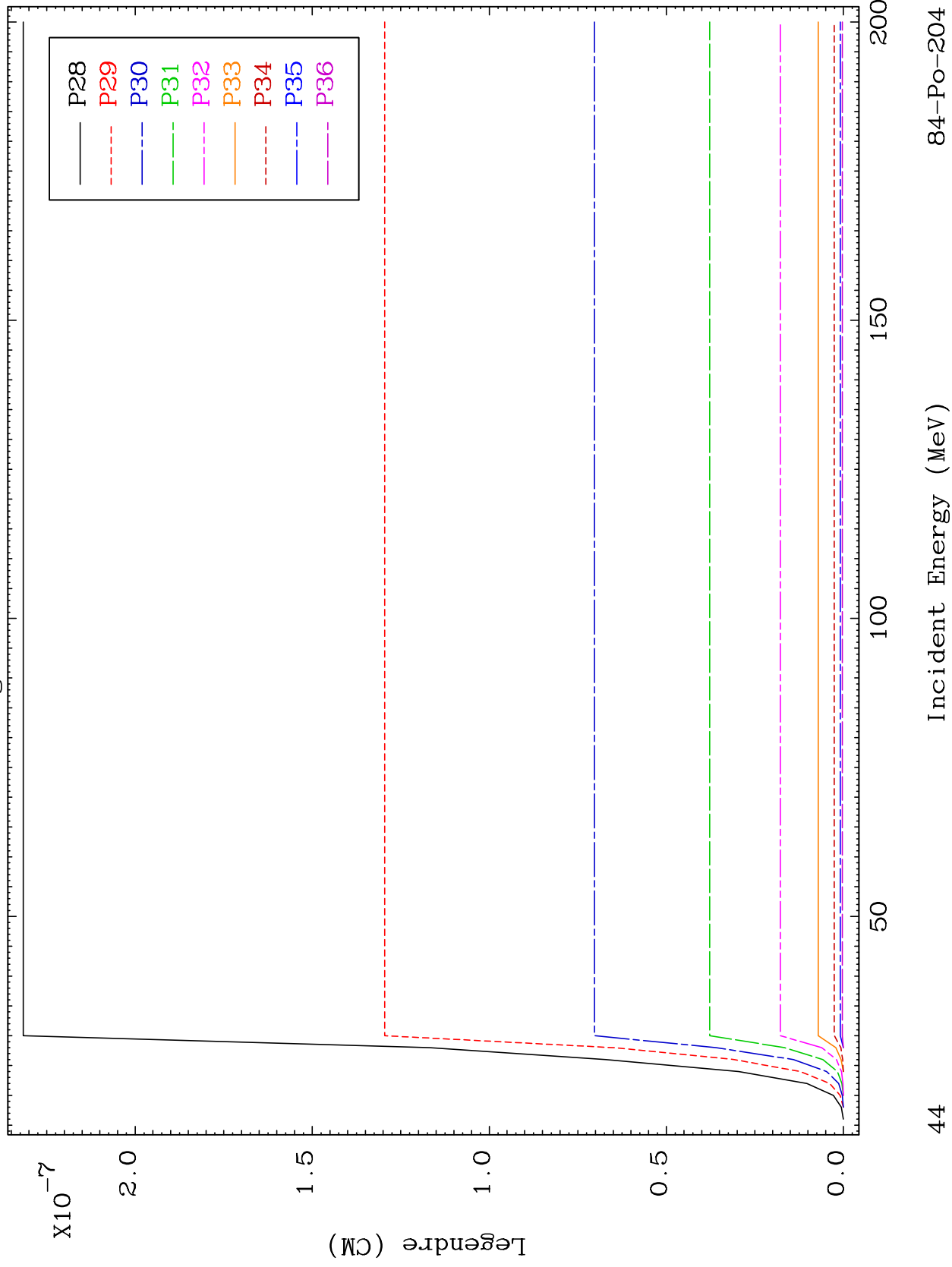
Incident Energy (MeV)

84-Po-204

MAT 8419

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

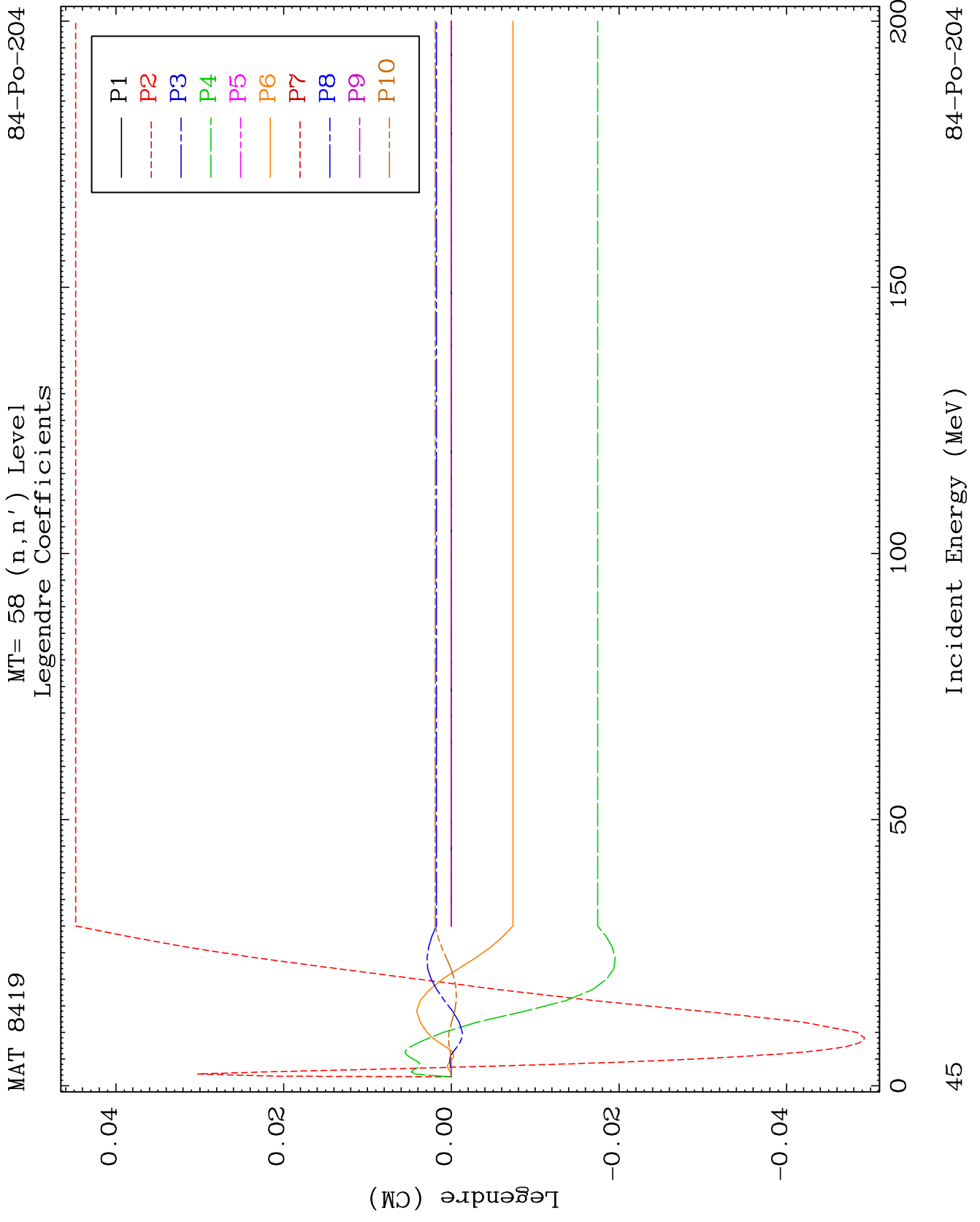
84-Po-204



44

Incident Energy (MeV)

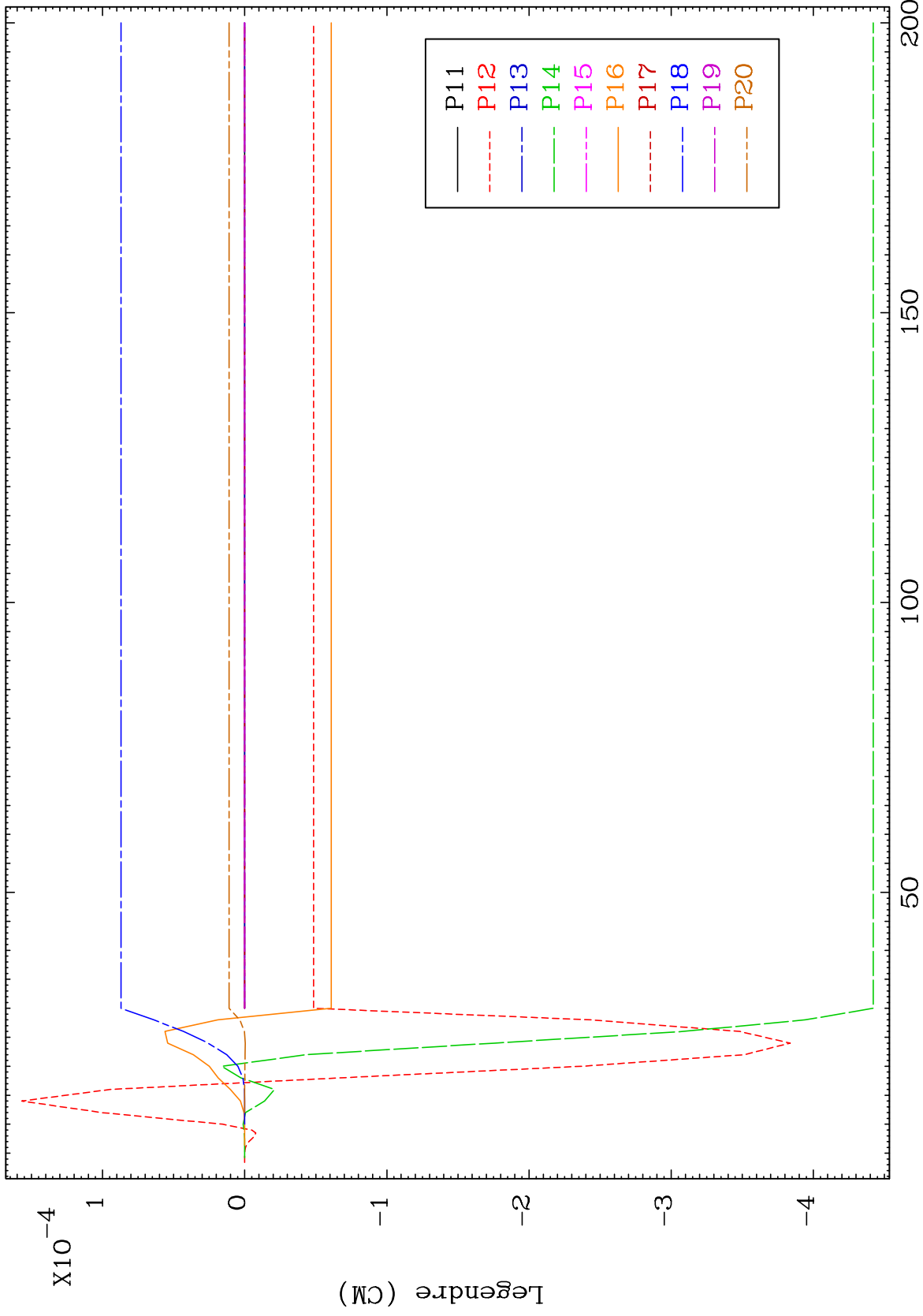
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MAT 8419

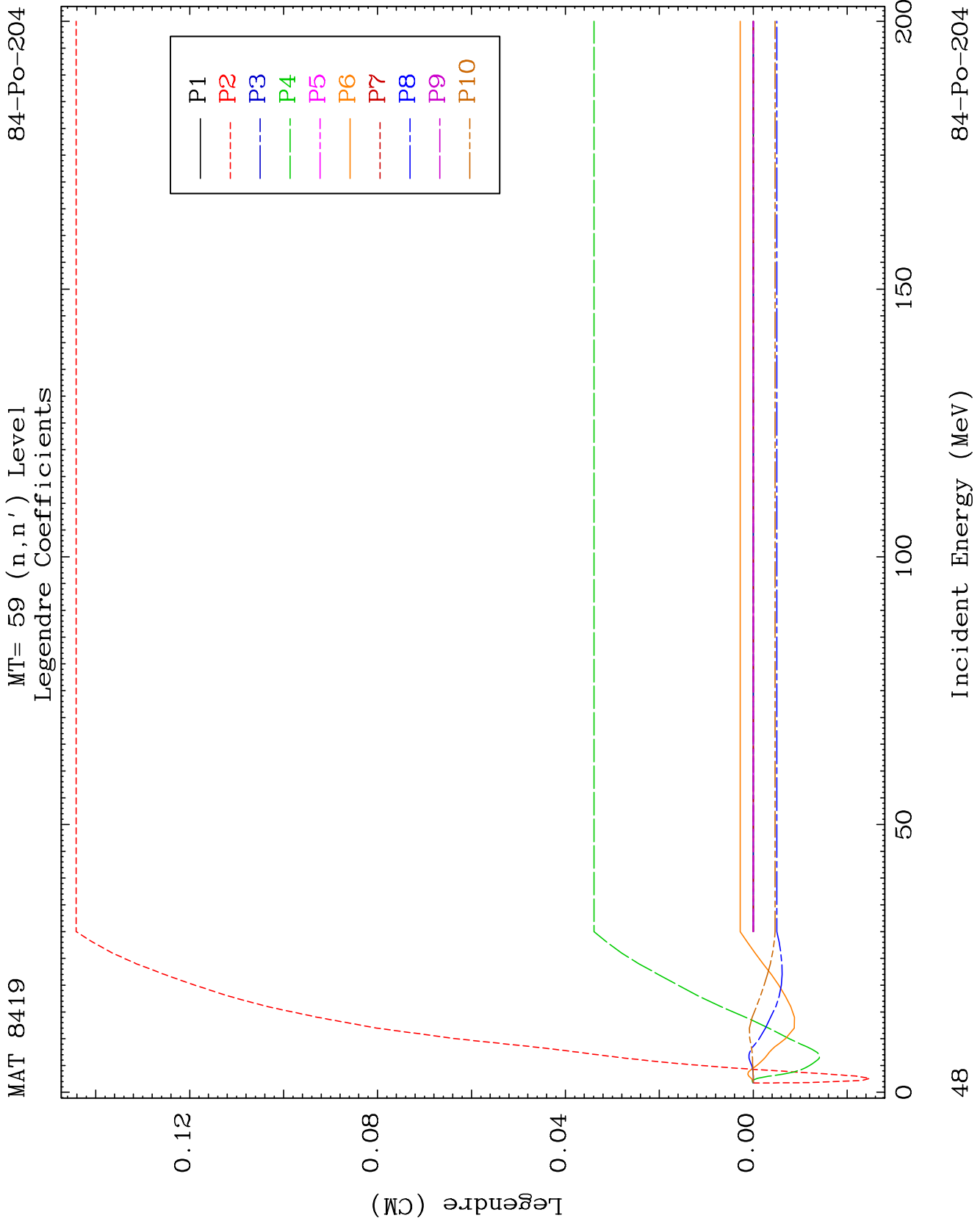
MT= 58 (n,n') Level
Legendre Coefficients

84-Po-204



46

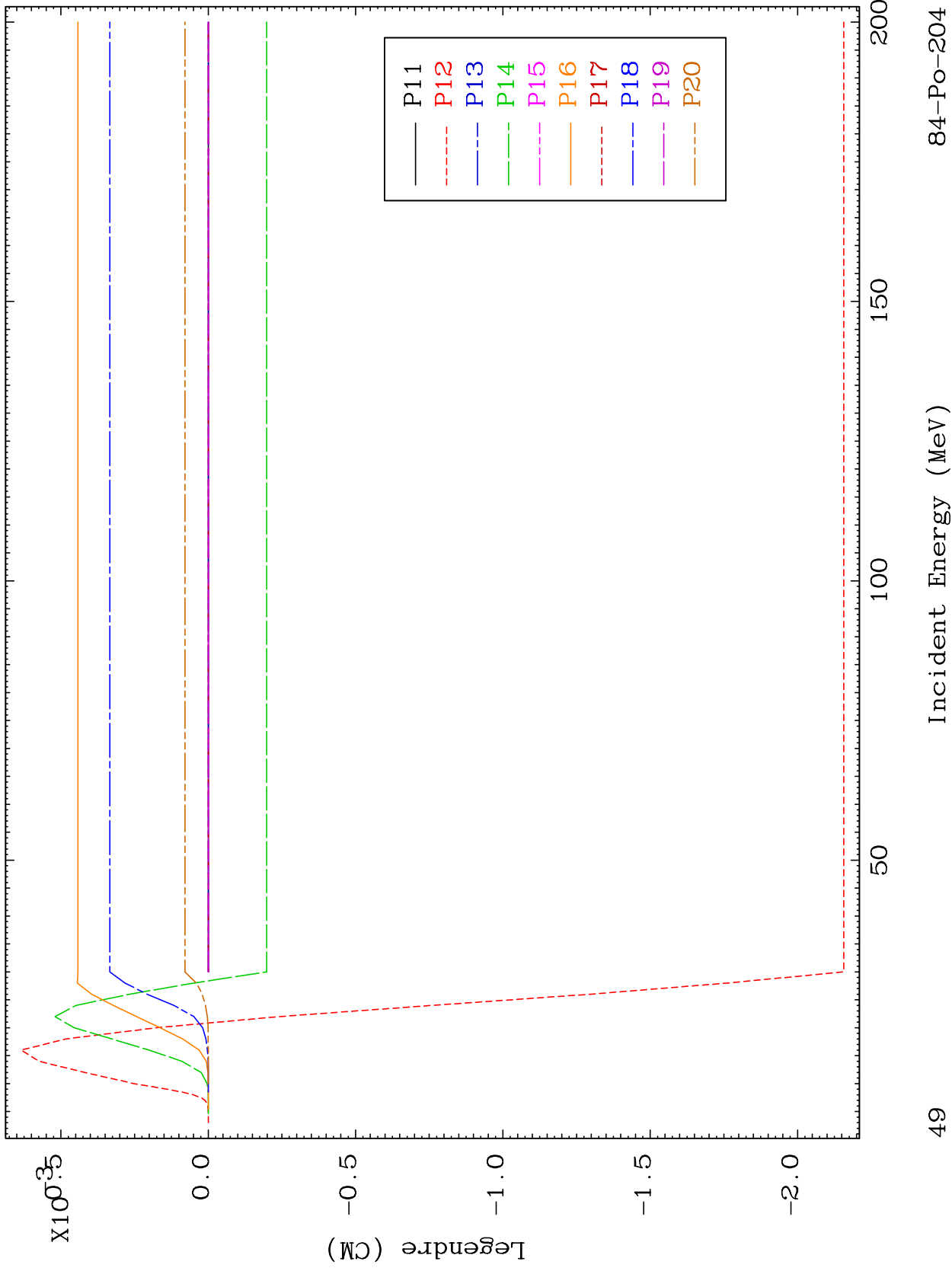
84-Po-204



MAT 8419

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

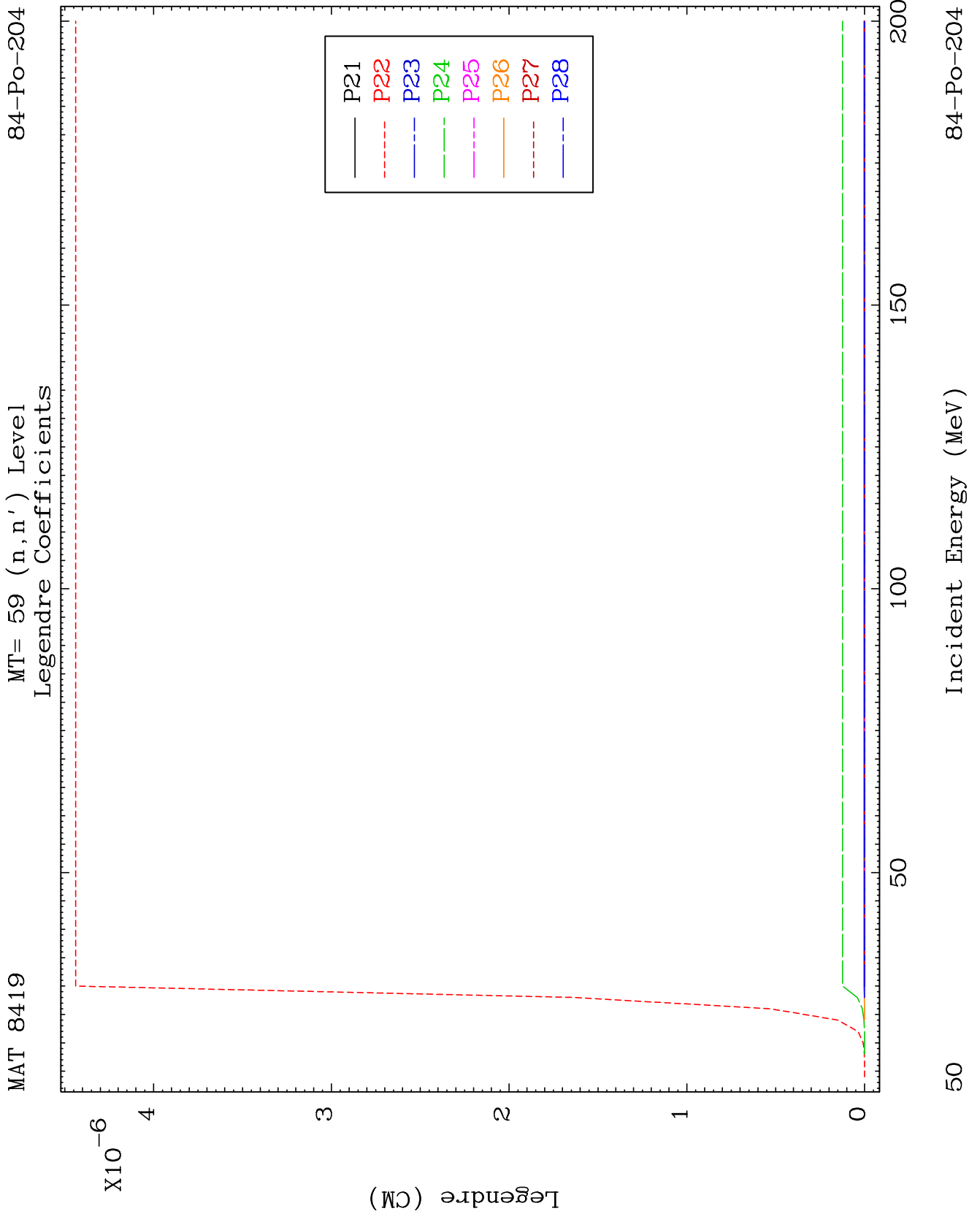
84-Po-204



49

Incident Energy (MeV)

84-Po-204

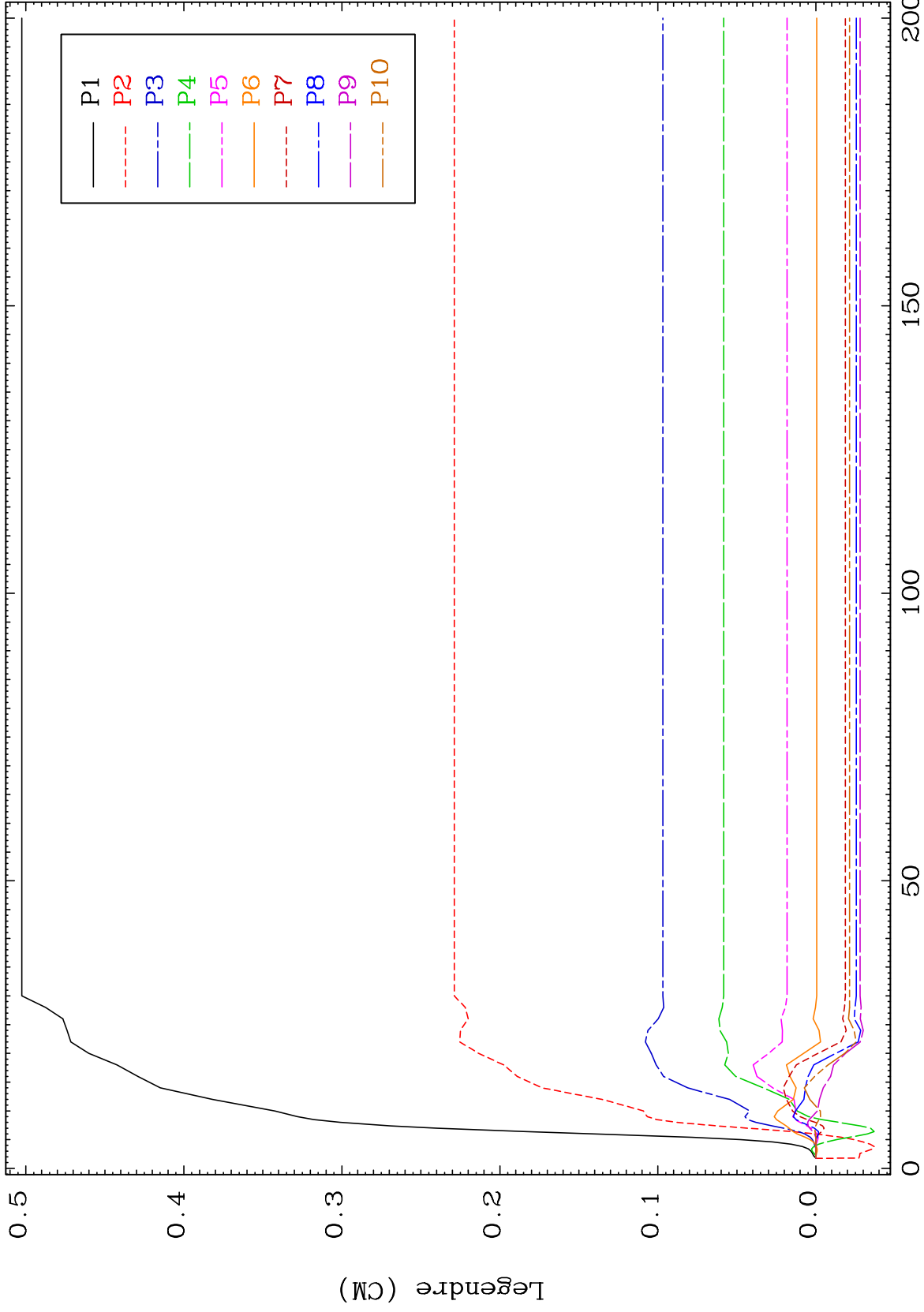


MAT 8419

MT= 60 (n,n') Level

84-Po-204

Legendre Coefficients



51

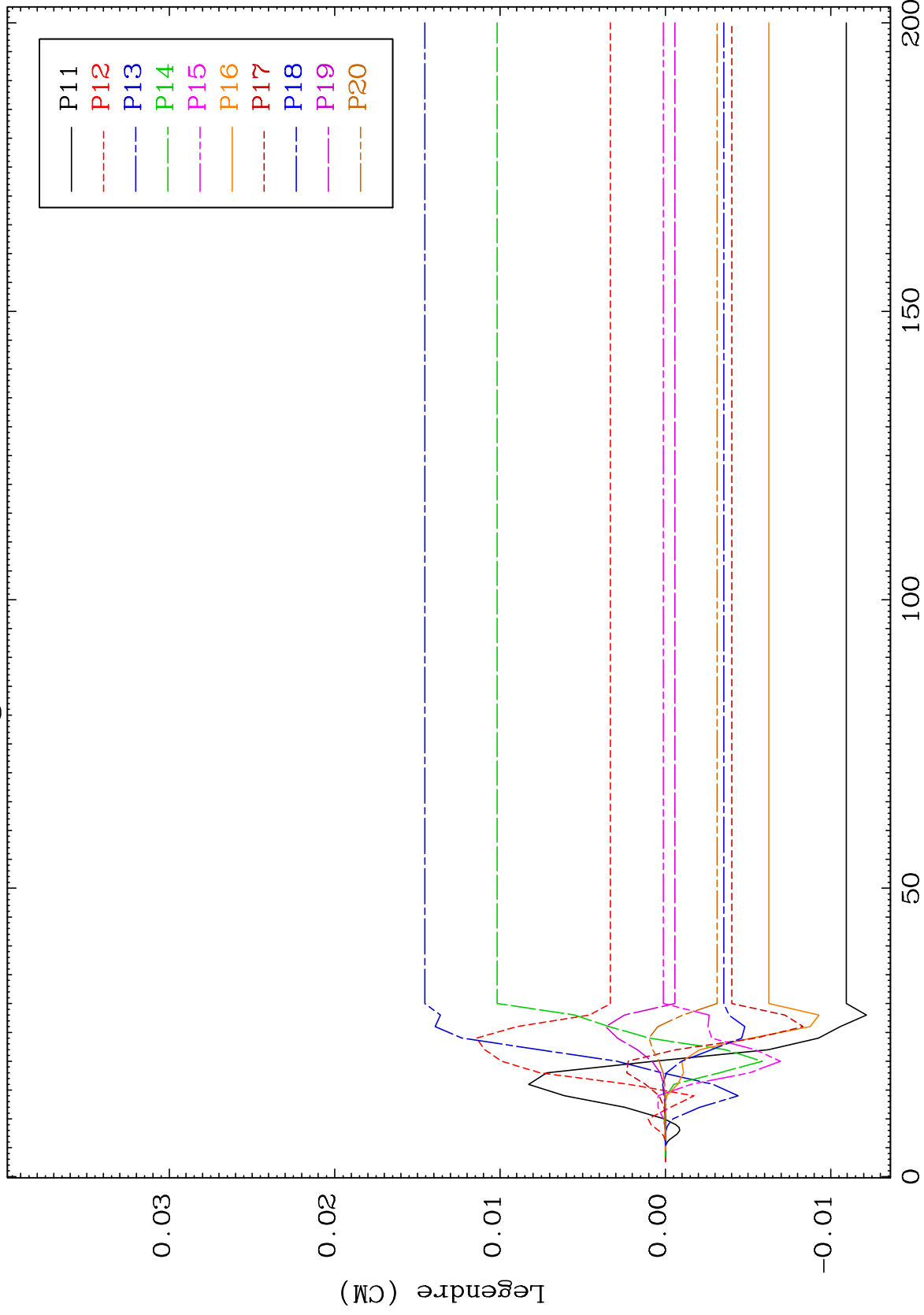
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



52

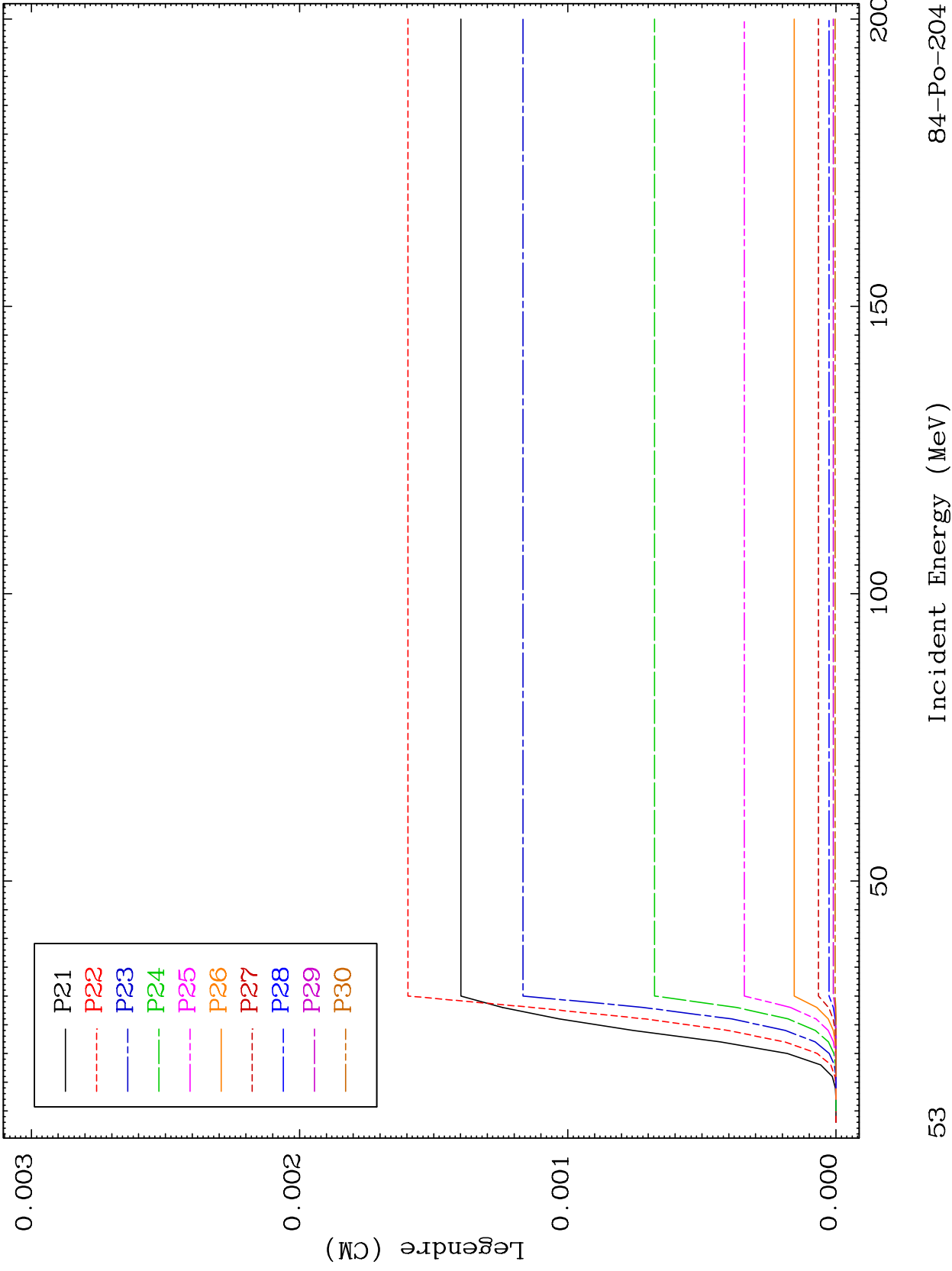
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



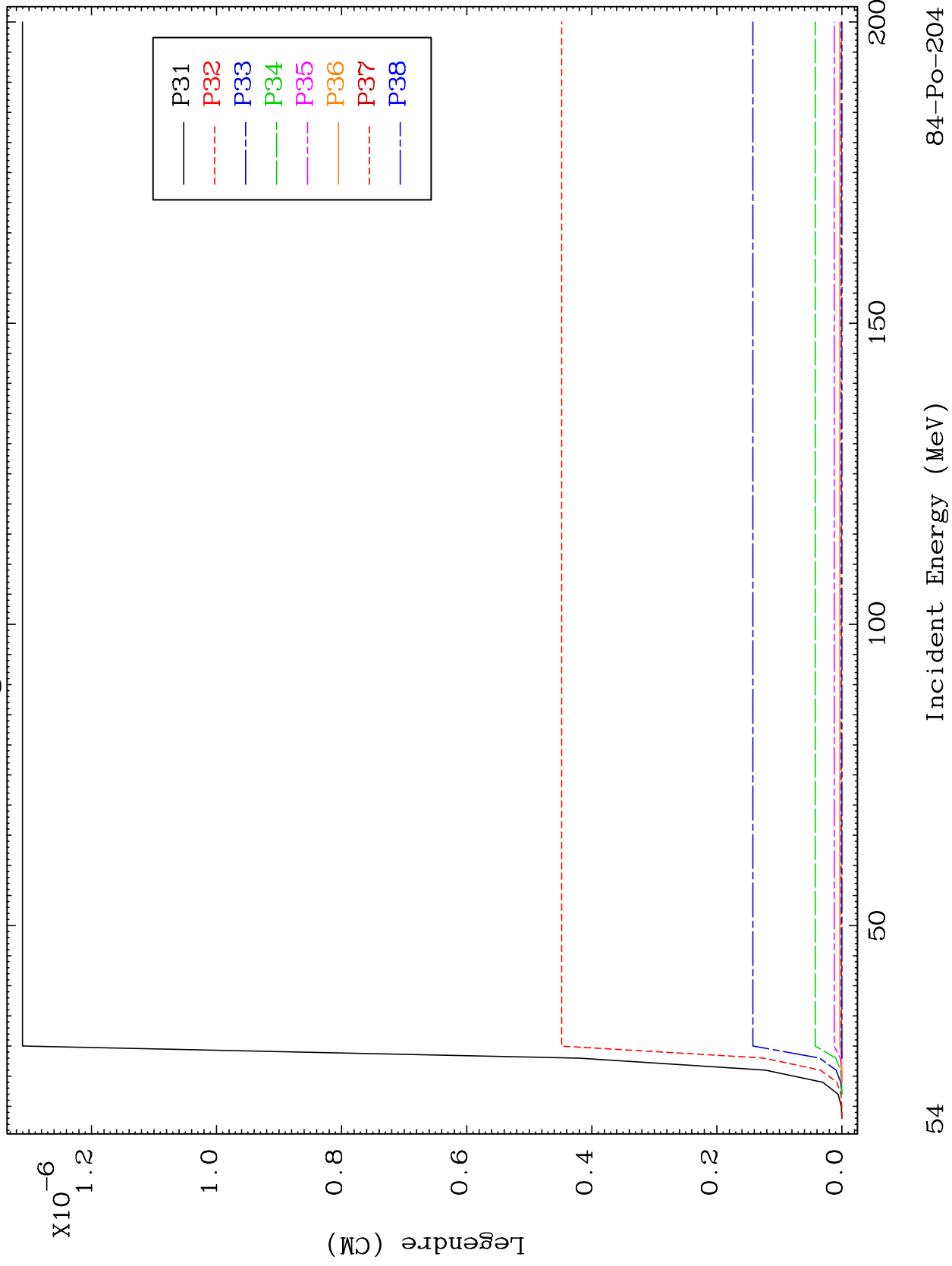
53

84-Po-204

MAT 8419

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

84-Po-204



54

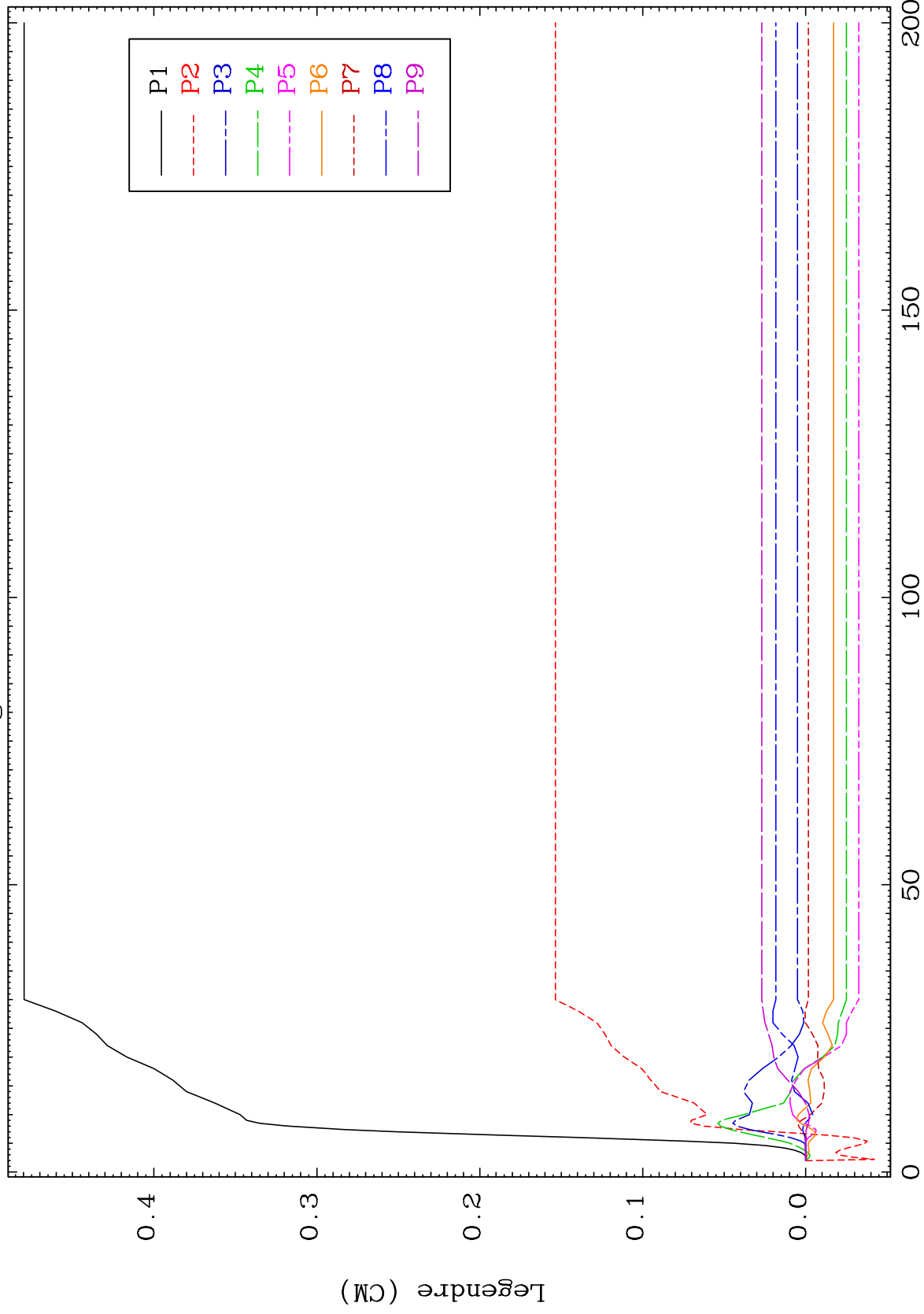
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

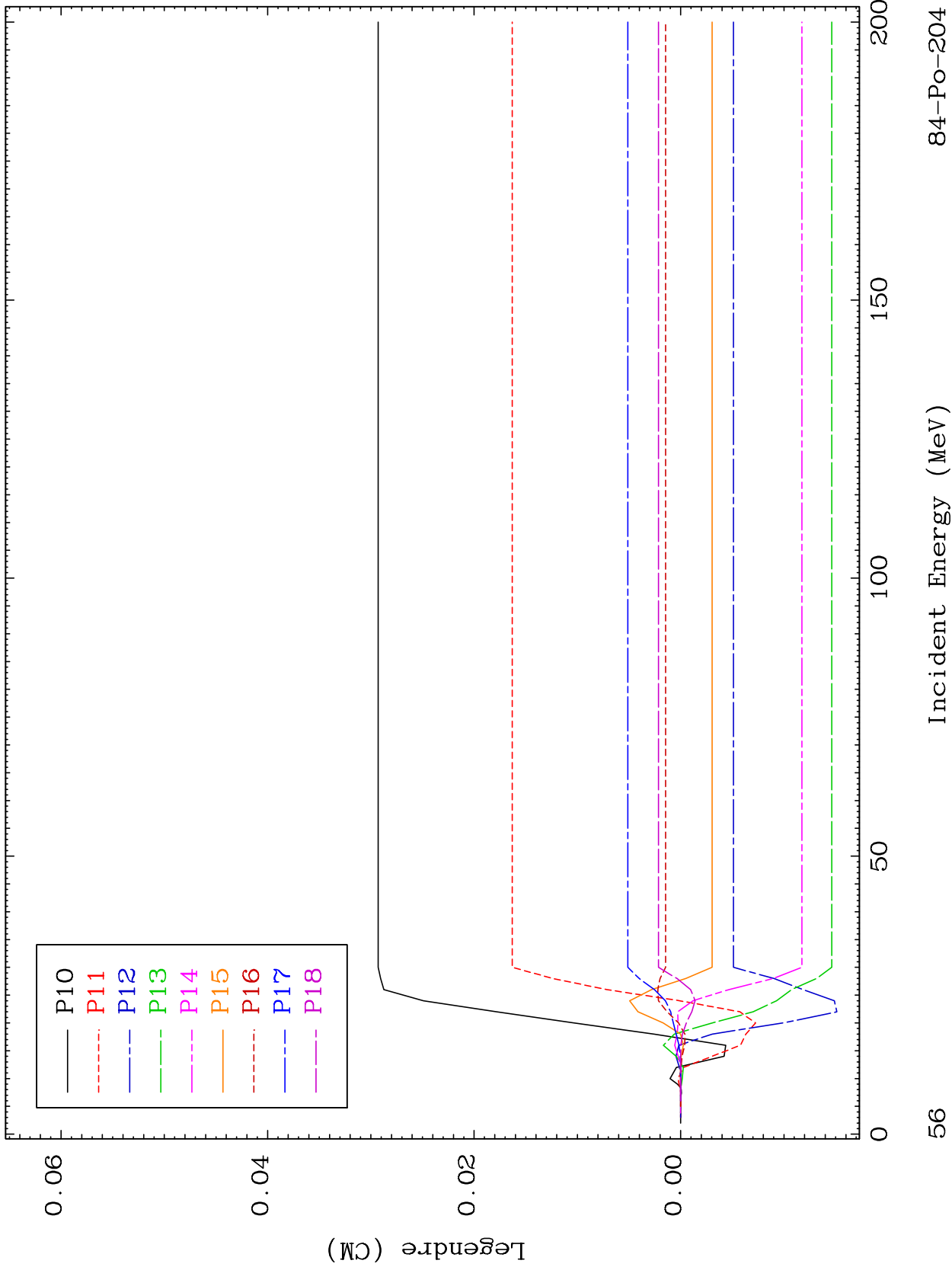
Incident Energy (MeV)

55

MAT 8419

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

84-Po-204



56

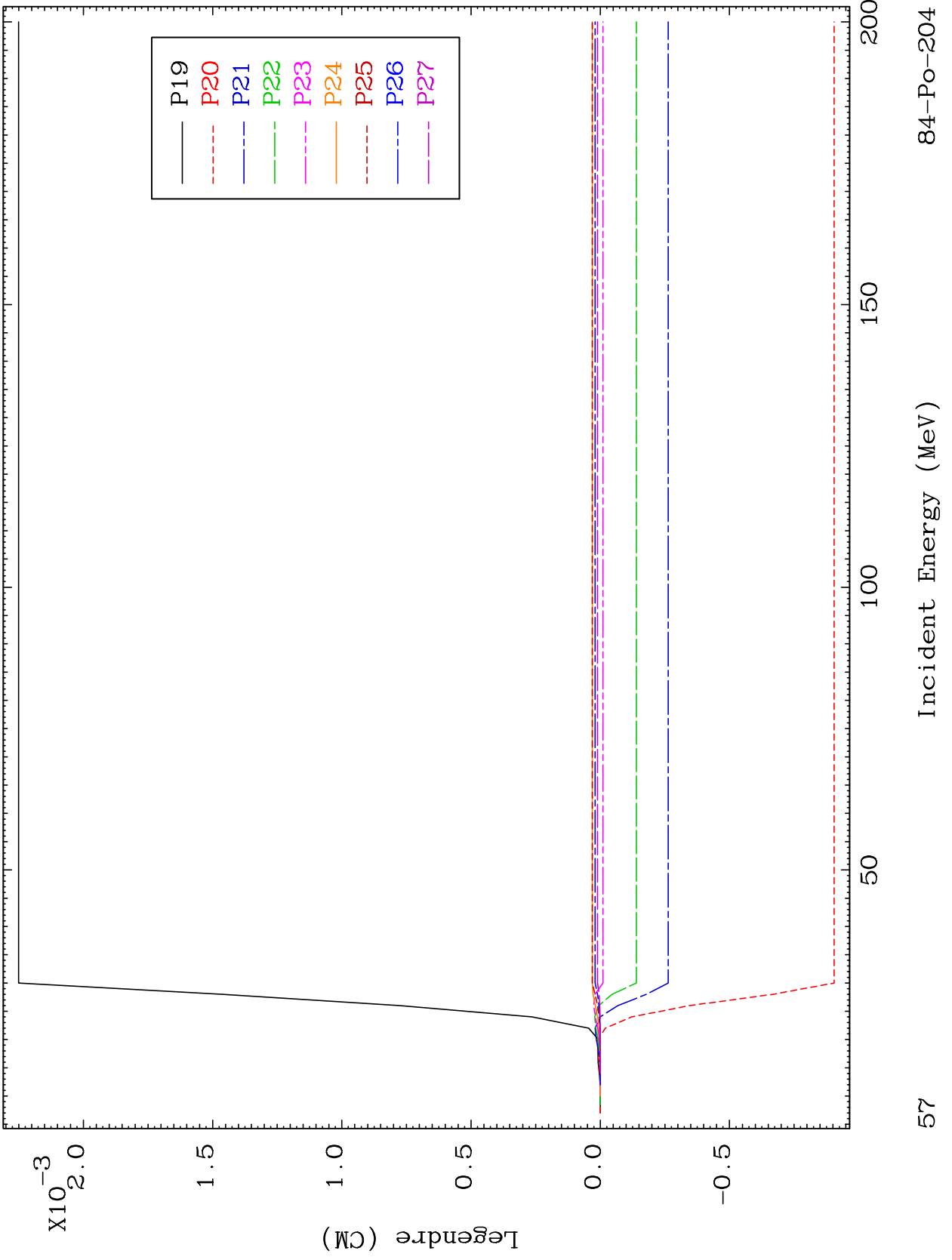
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



57

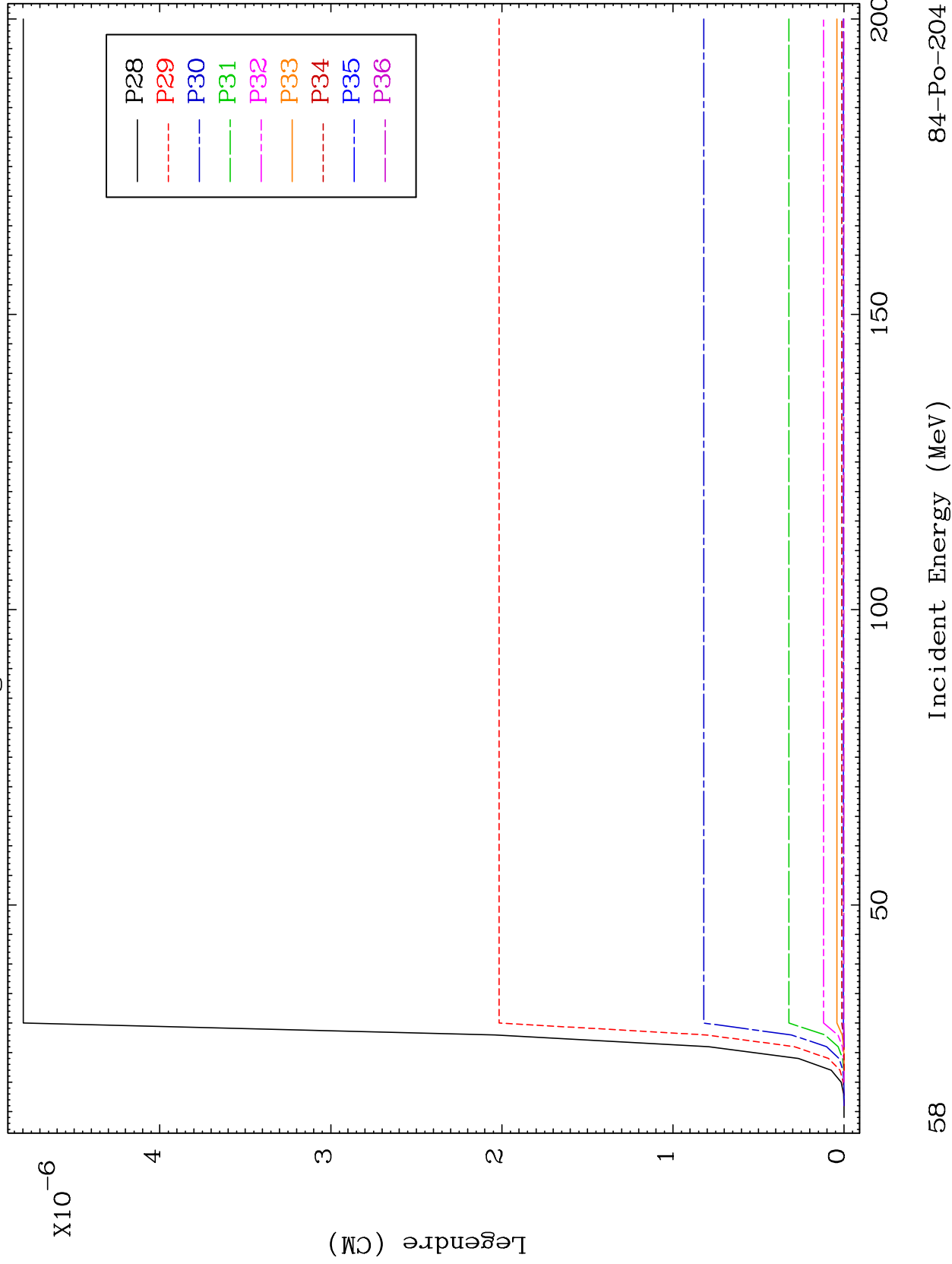
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



58

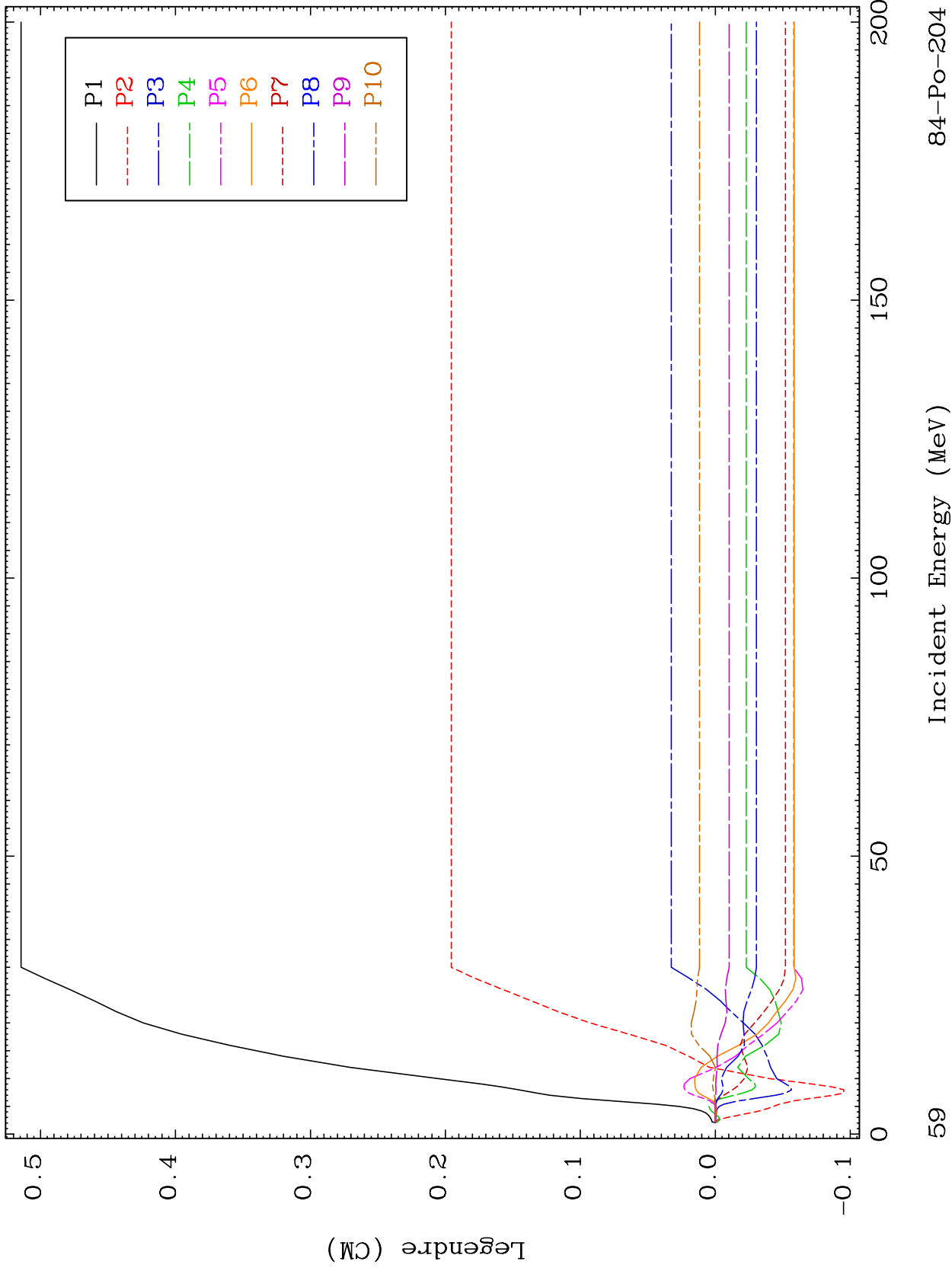
Incident Energy (MeV)

84-Po-204

MAT 8419

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

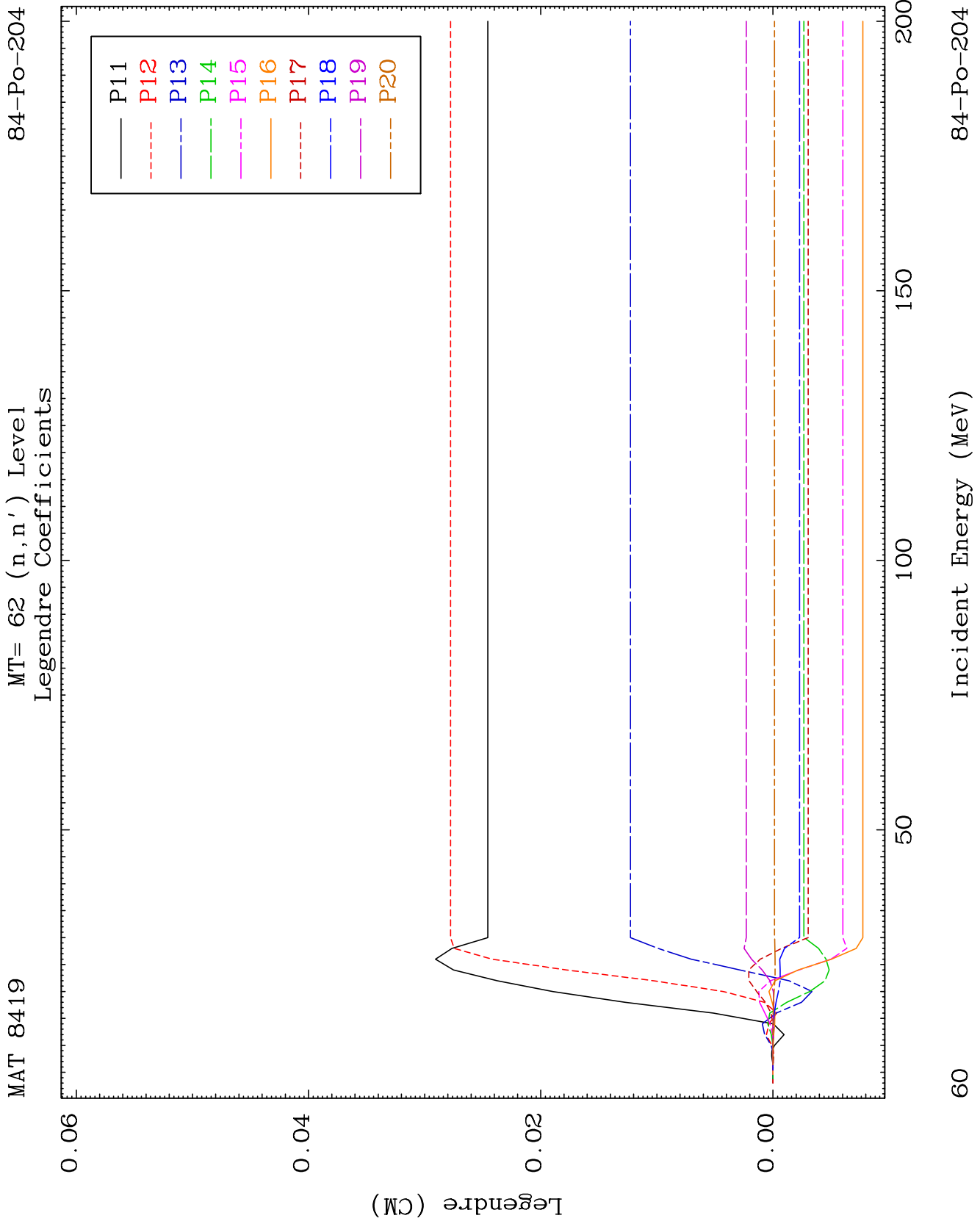
84-Po-204



84-Po-204

Incident Energy (MeV)

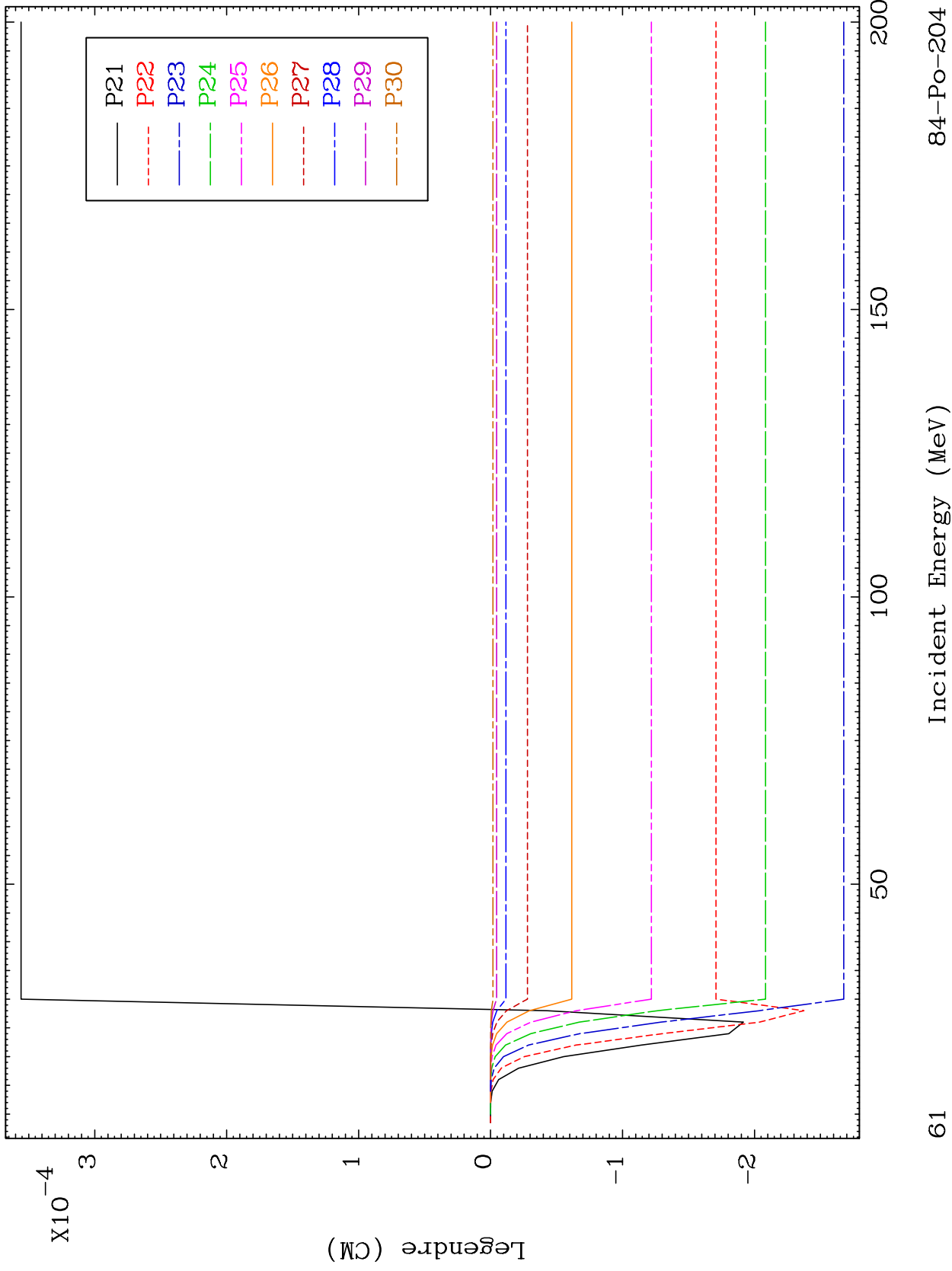
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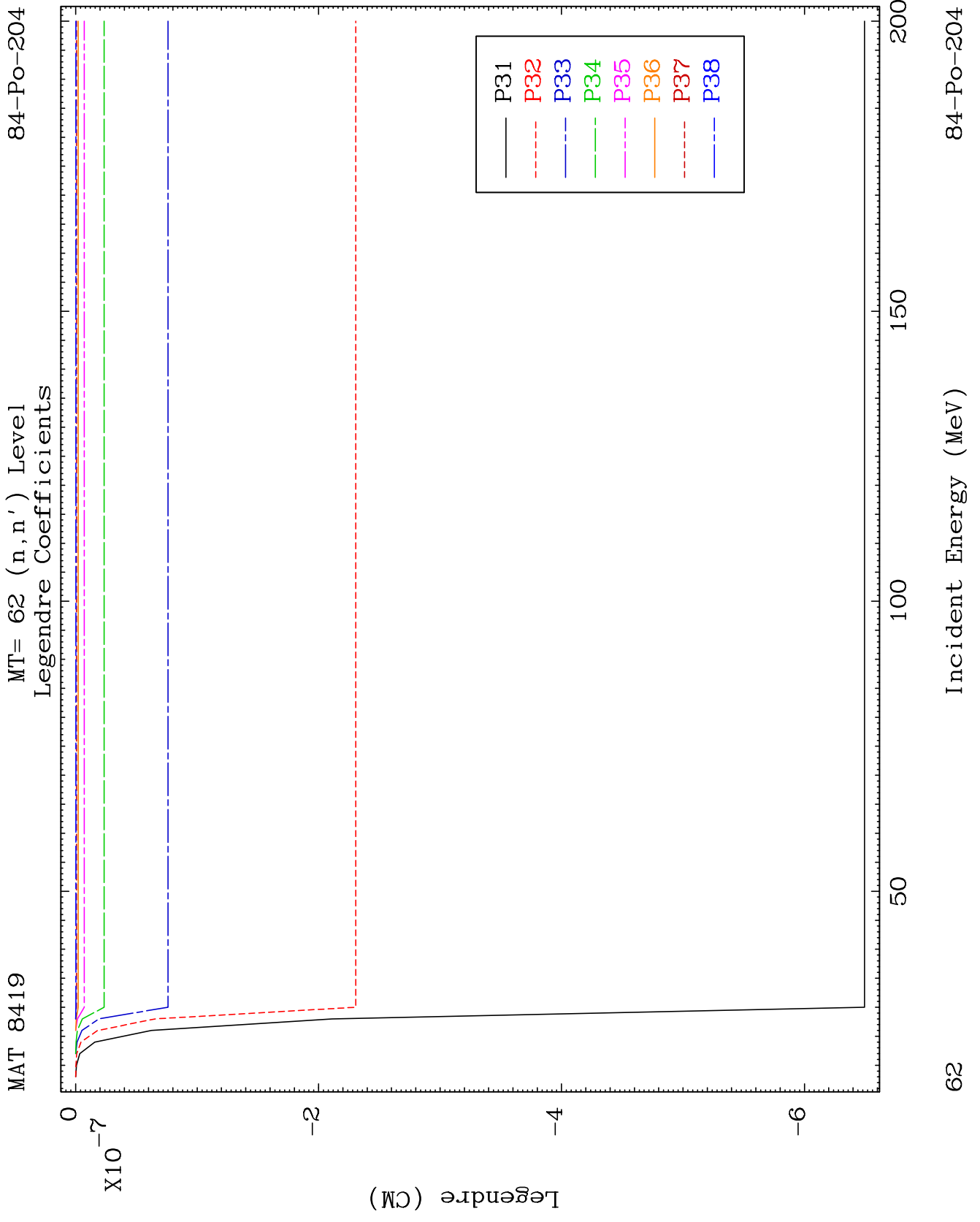


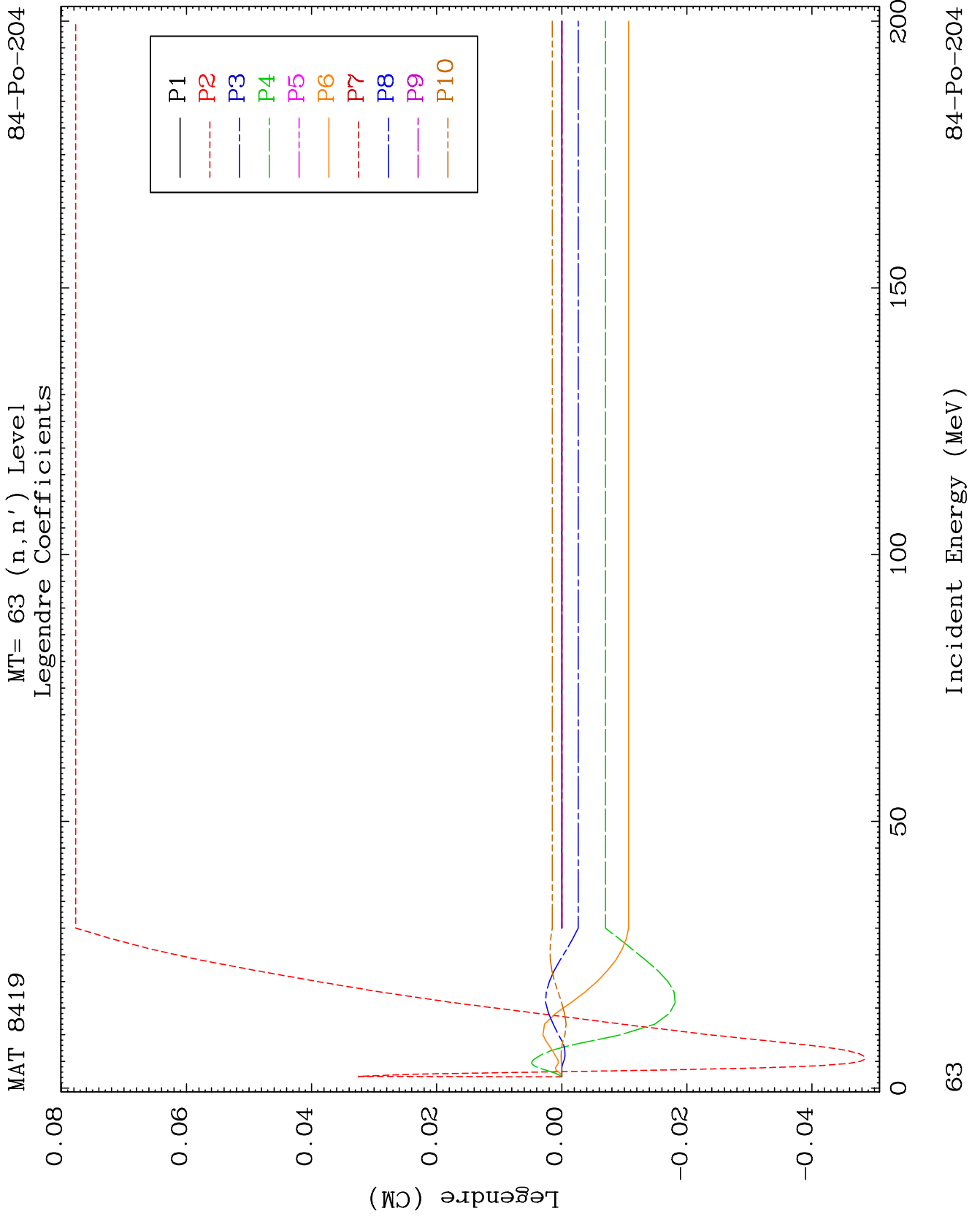
MAT 8419

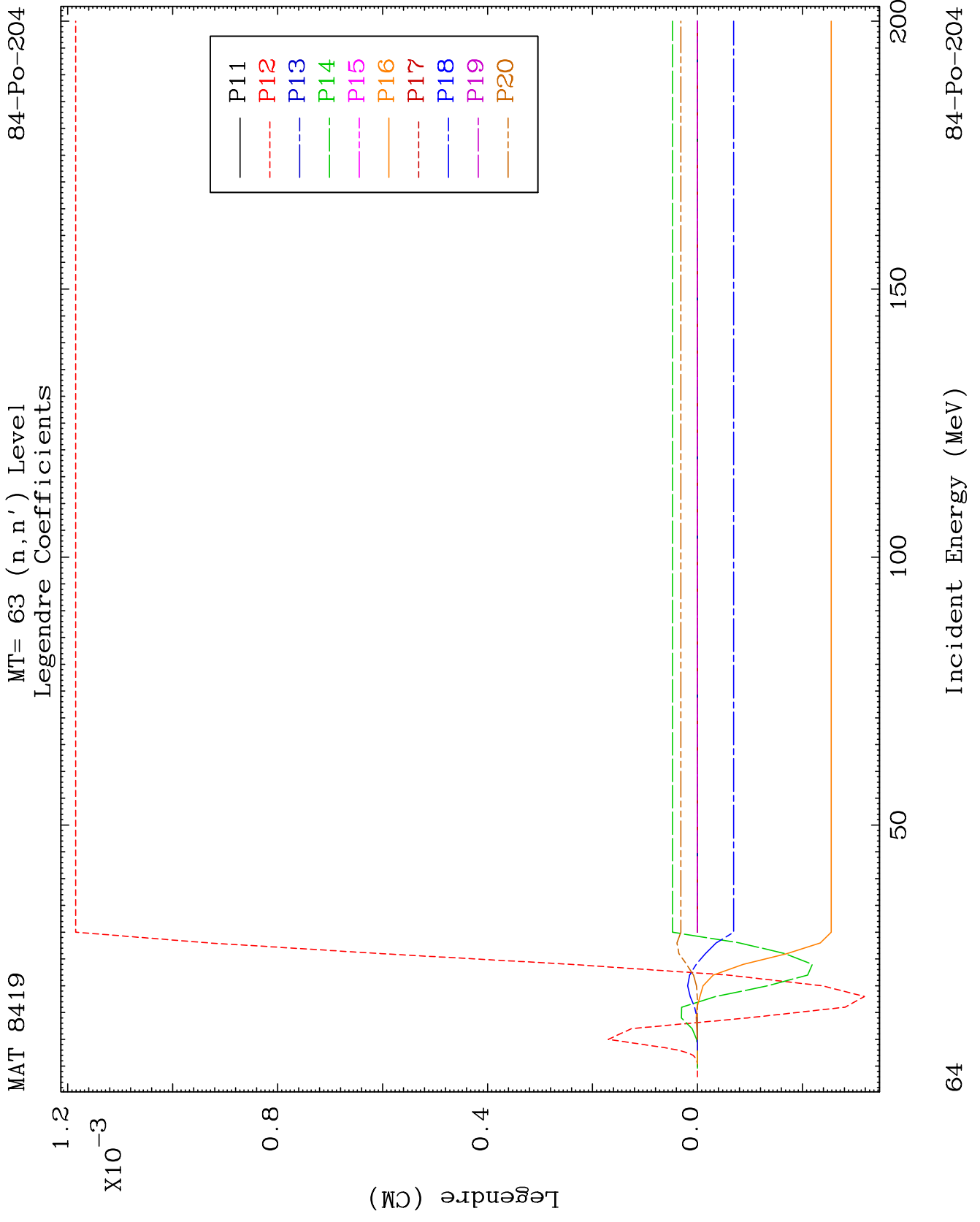
MT= 62 (n,n') Level
Legendre Coefficients

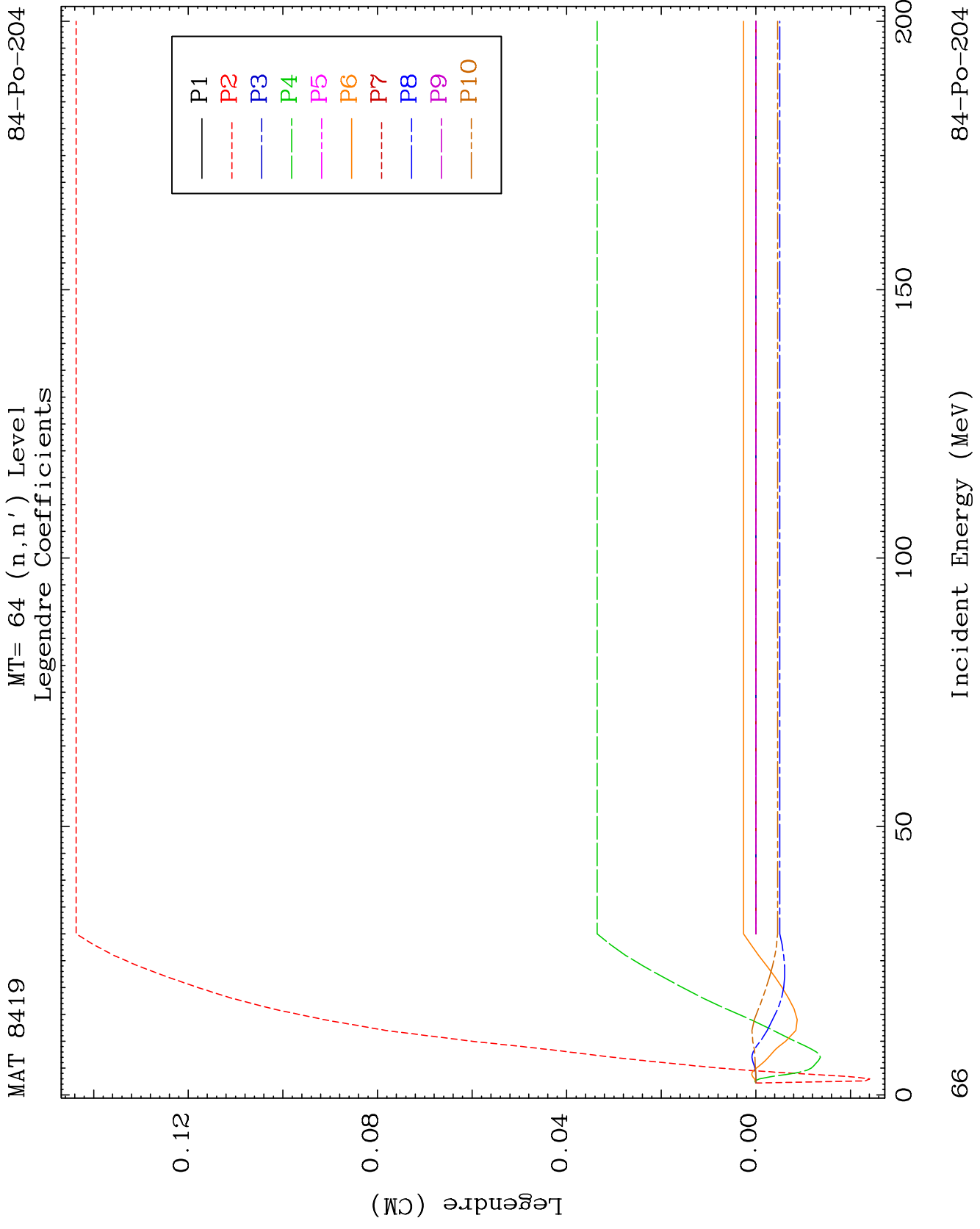
84-Po-204











84-Po-204

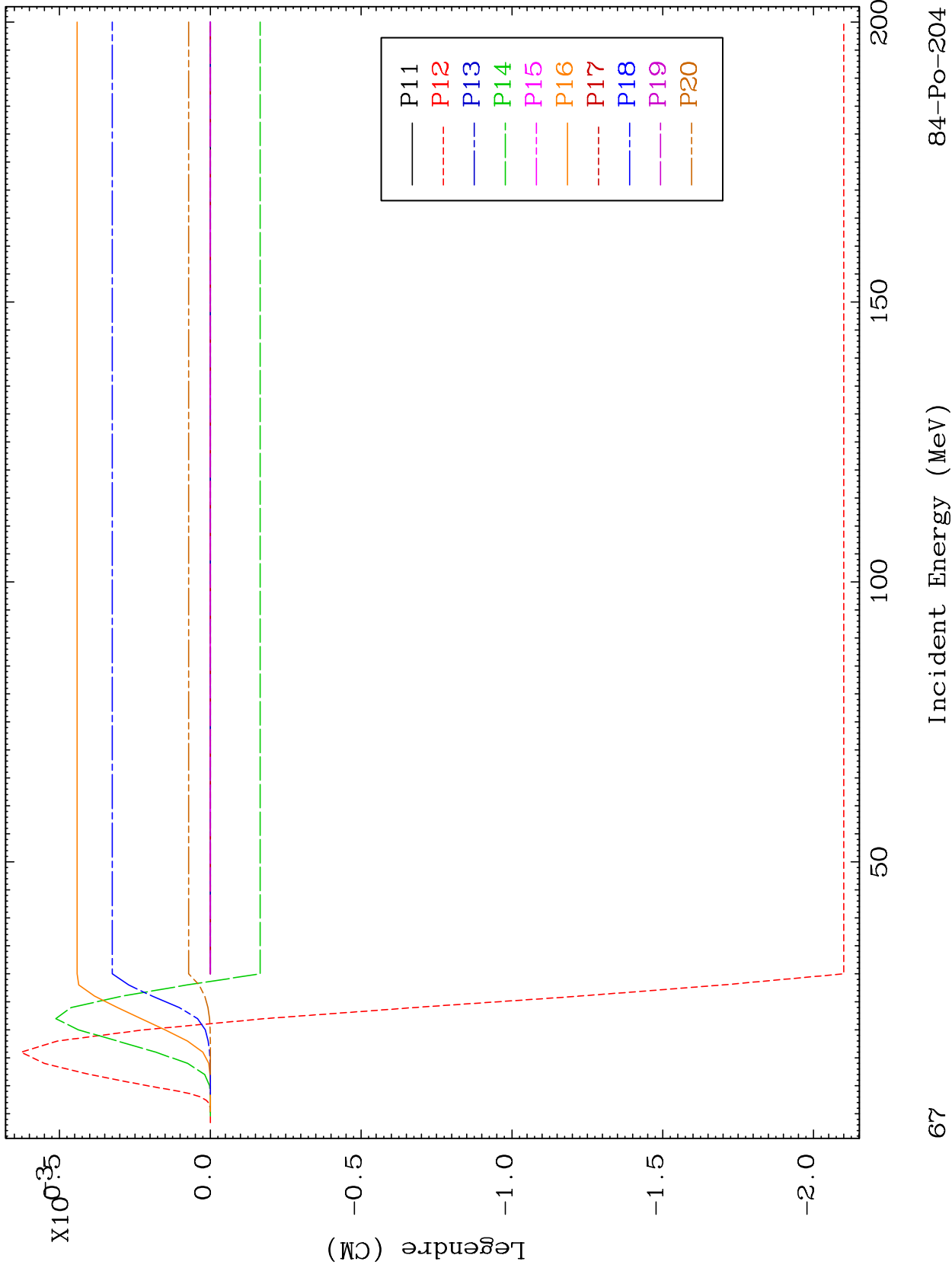
Incident Energy (MeV)

66

MAT 8419

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

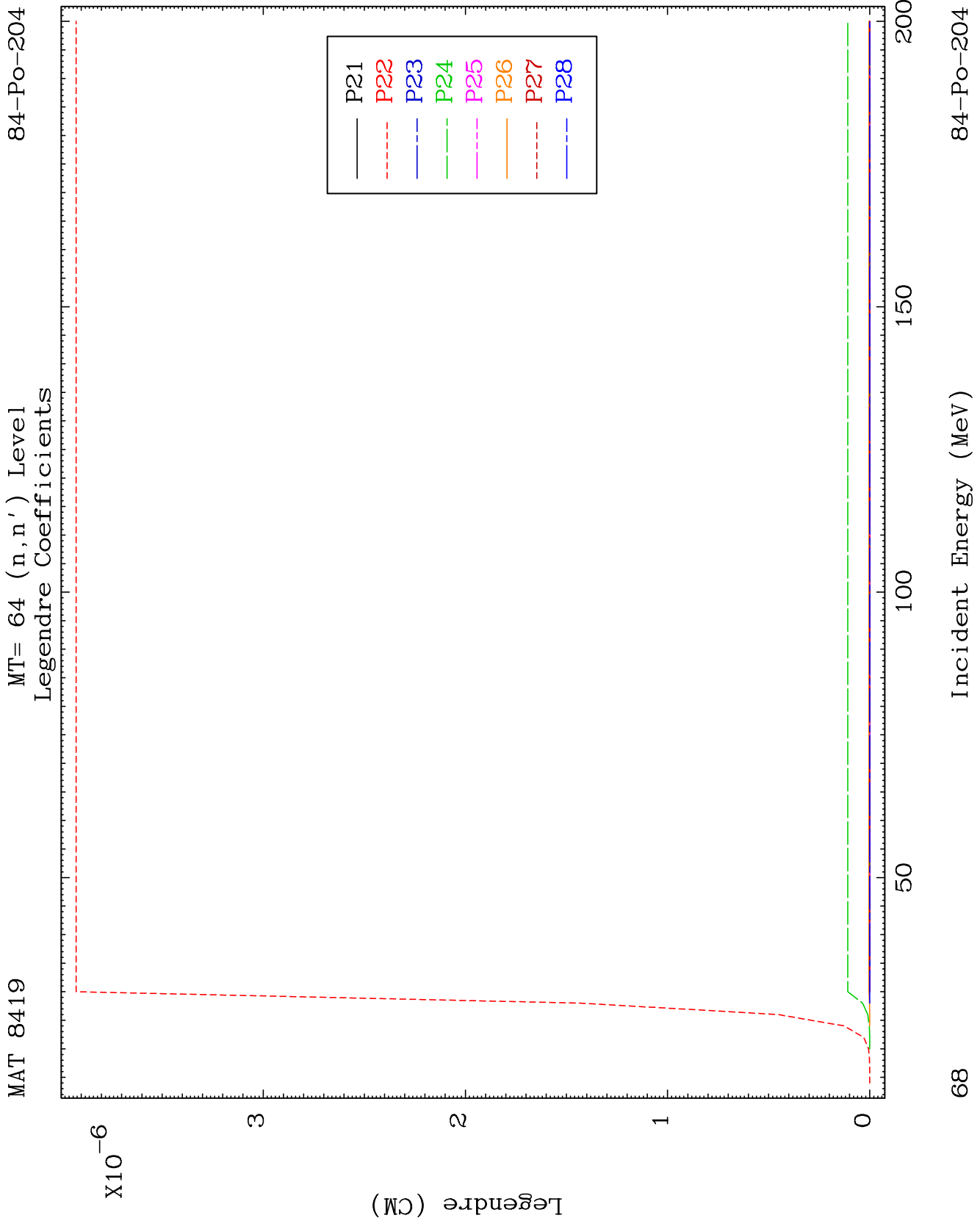
84-Po-204



67

Incident Energy (MeV)

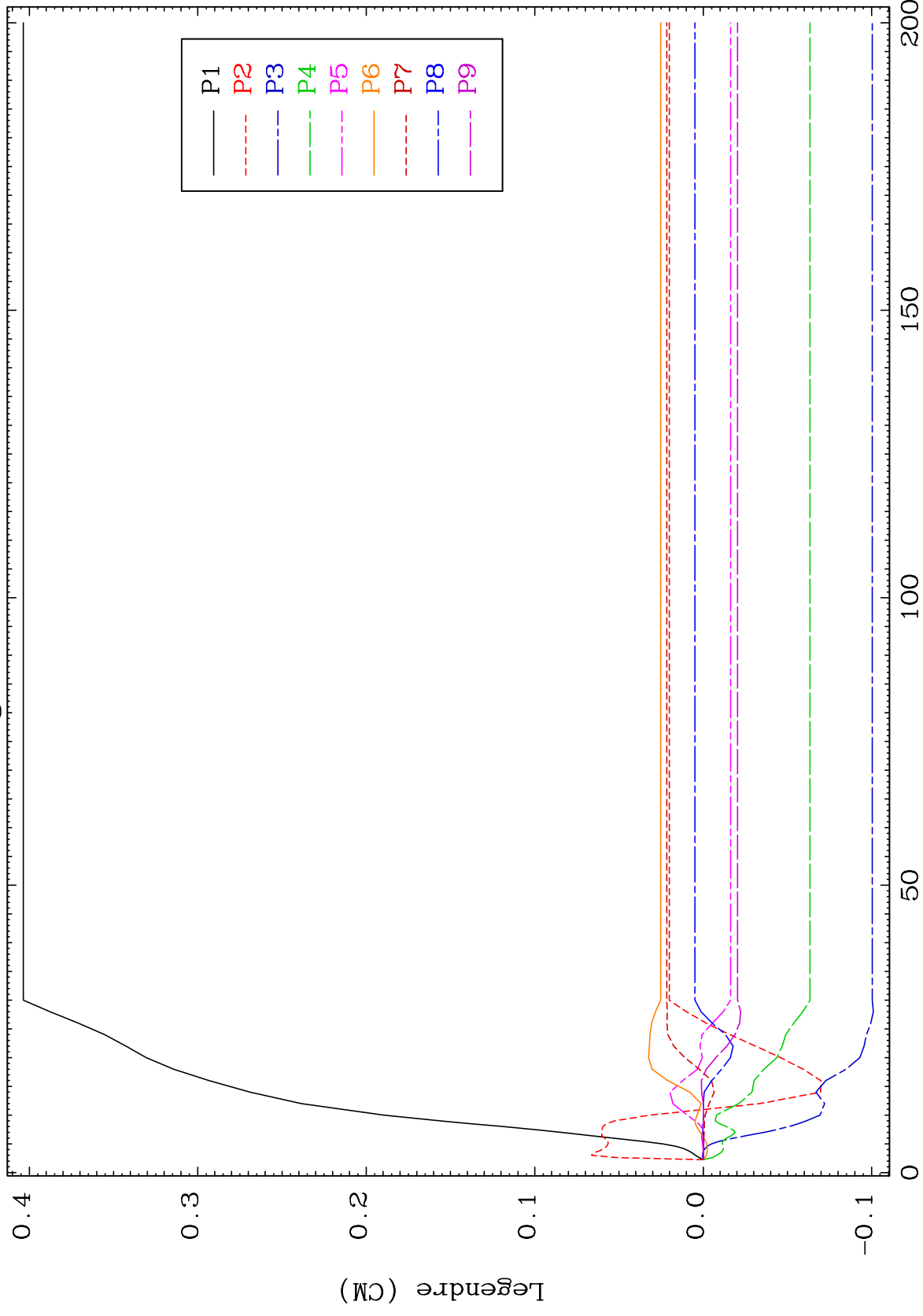
84-Po-204



MAT 8419

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

84-Po-204



69

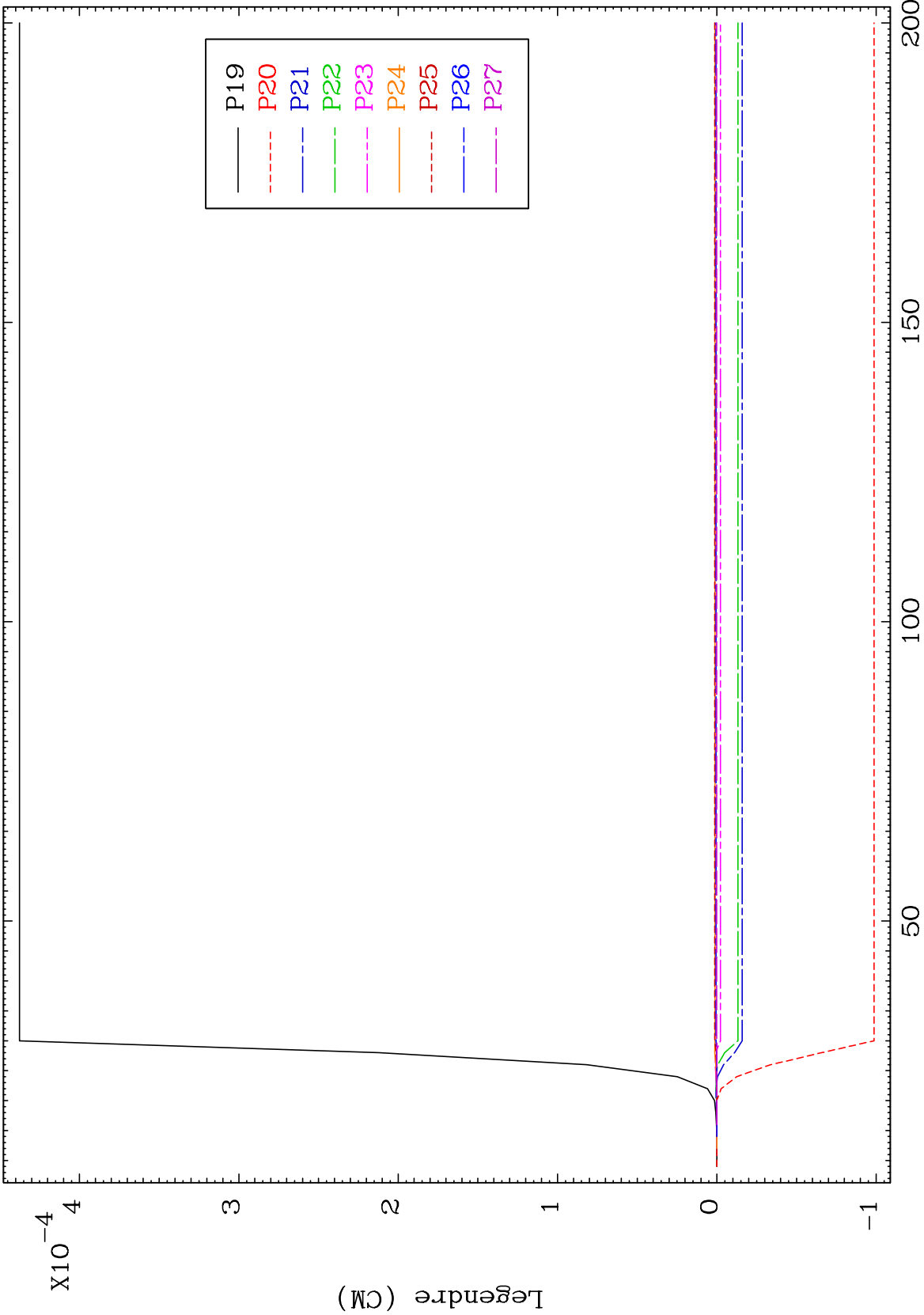
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



71

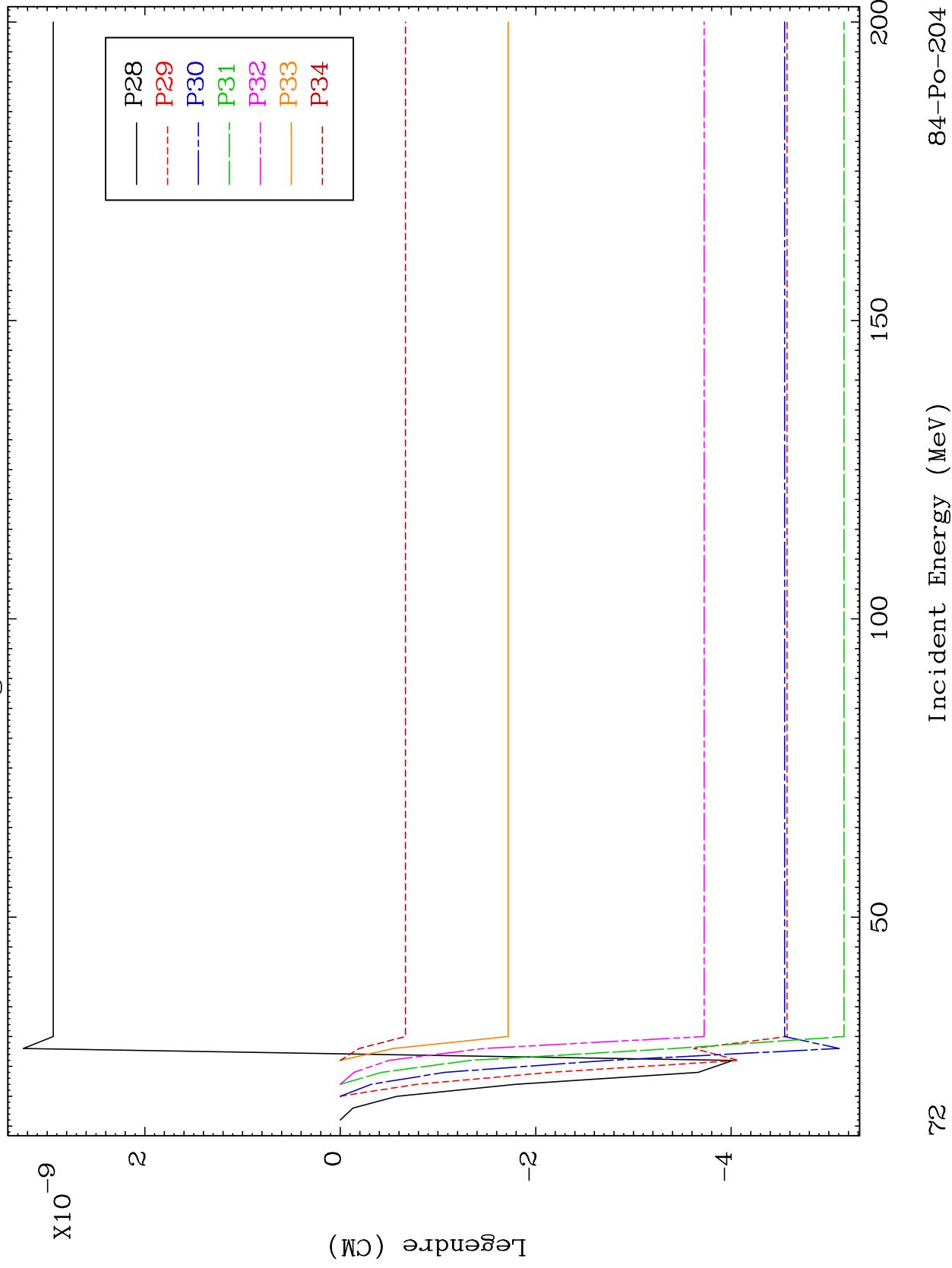
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



72

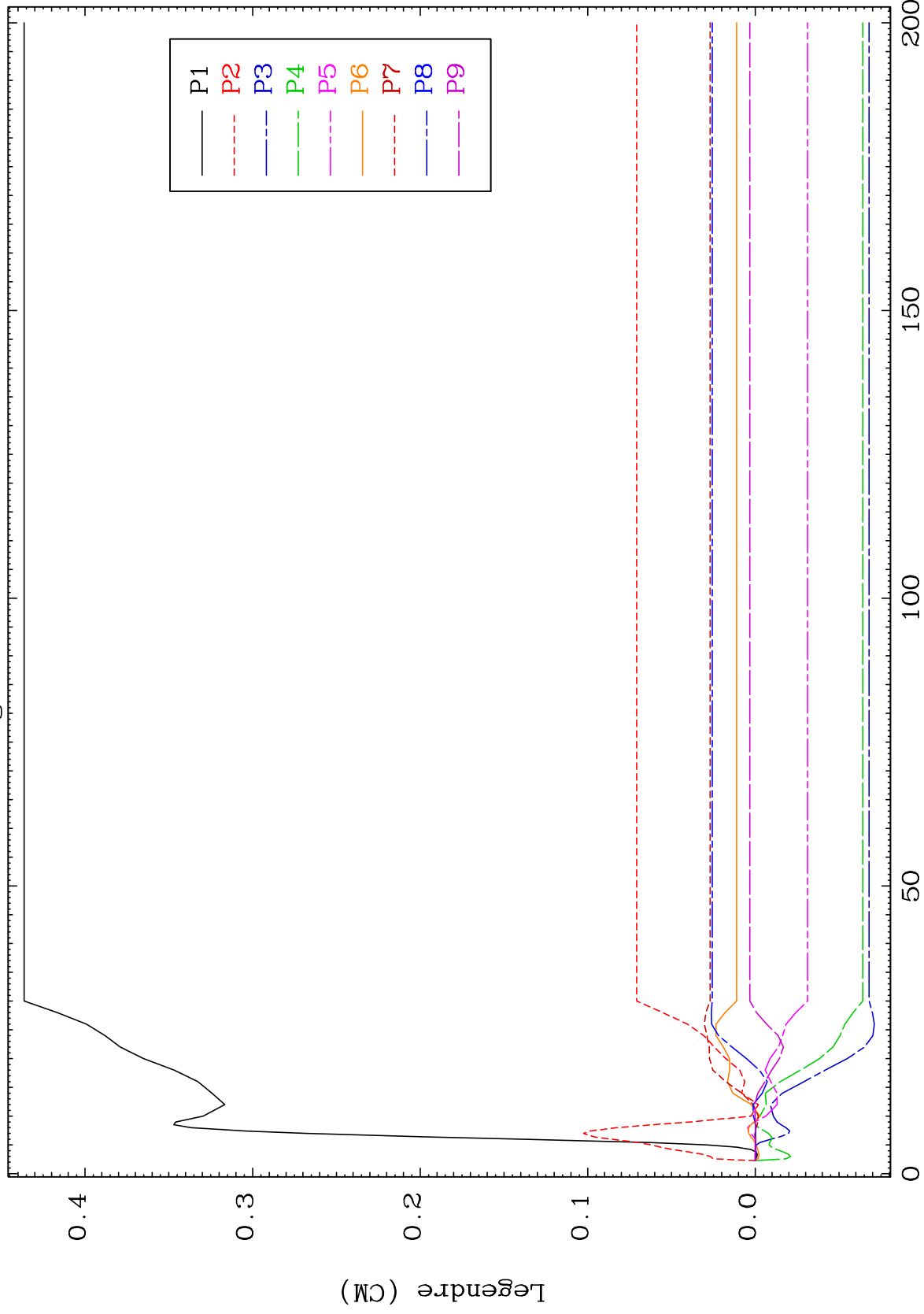
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



73

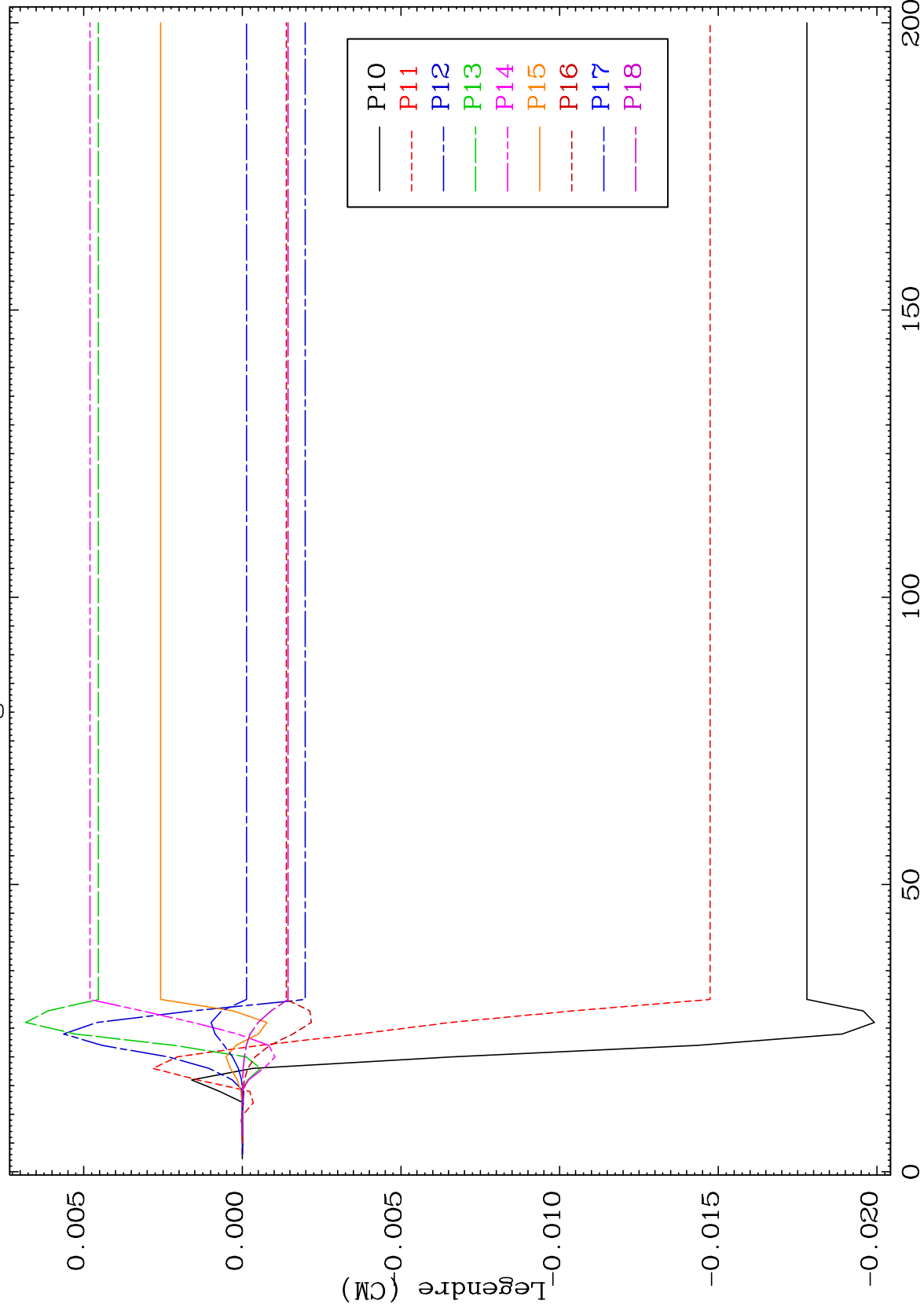
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



74

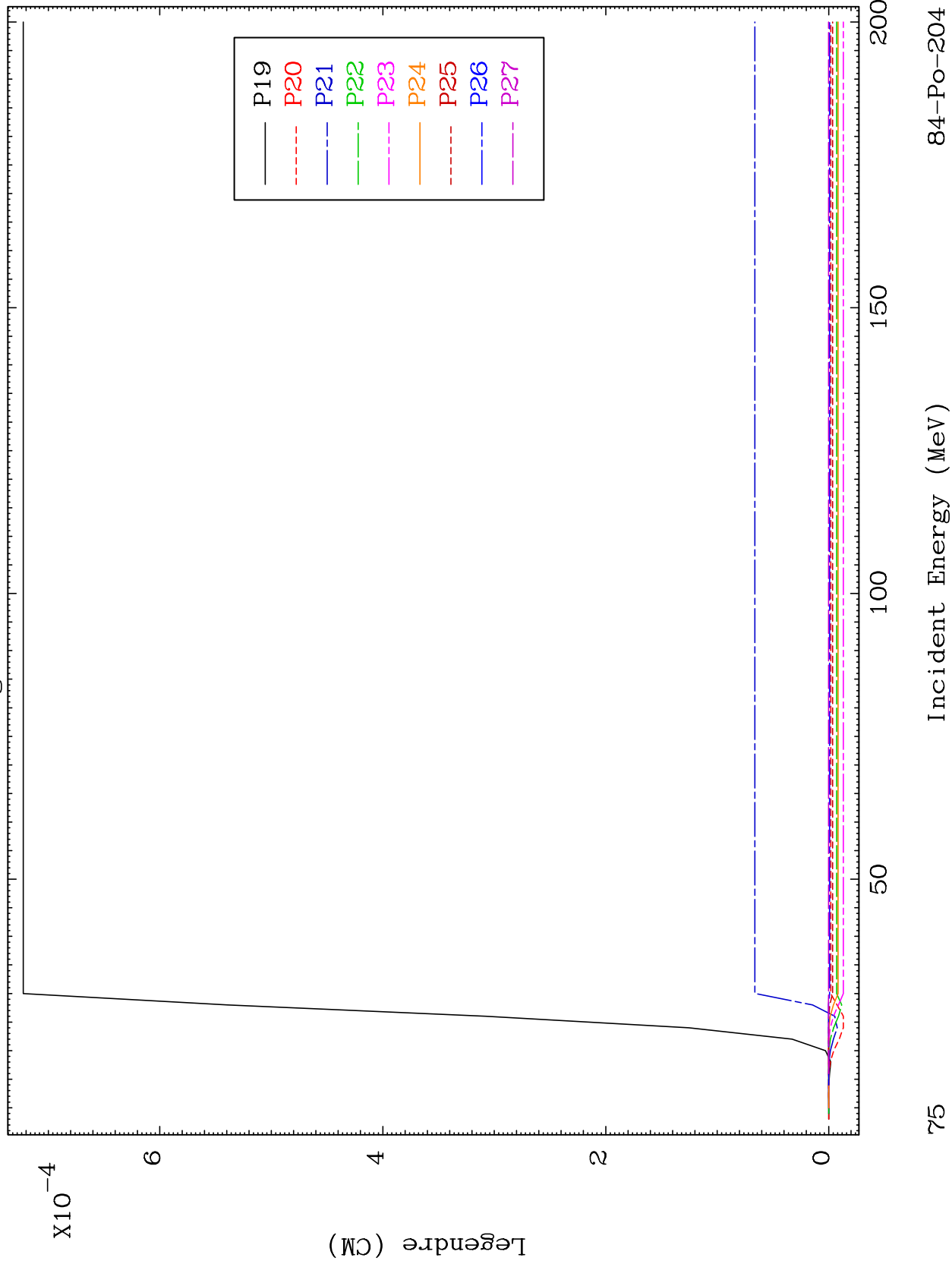
Incident Energy (MeV)

84-Po-204

MAT 8419

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

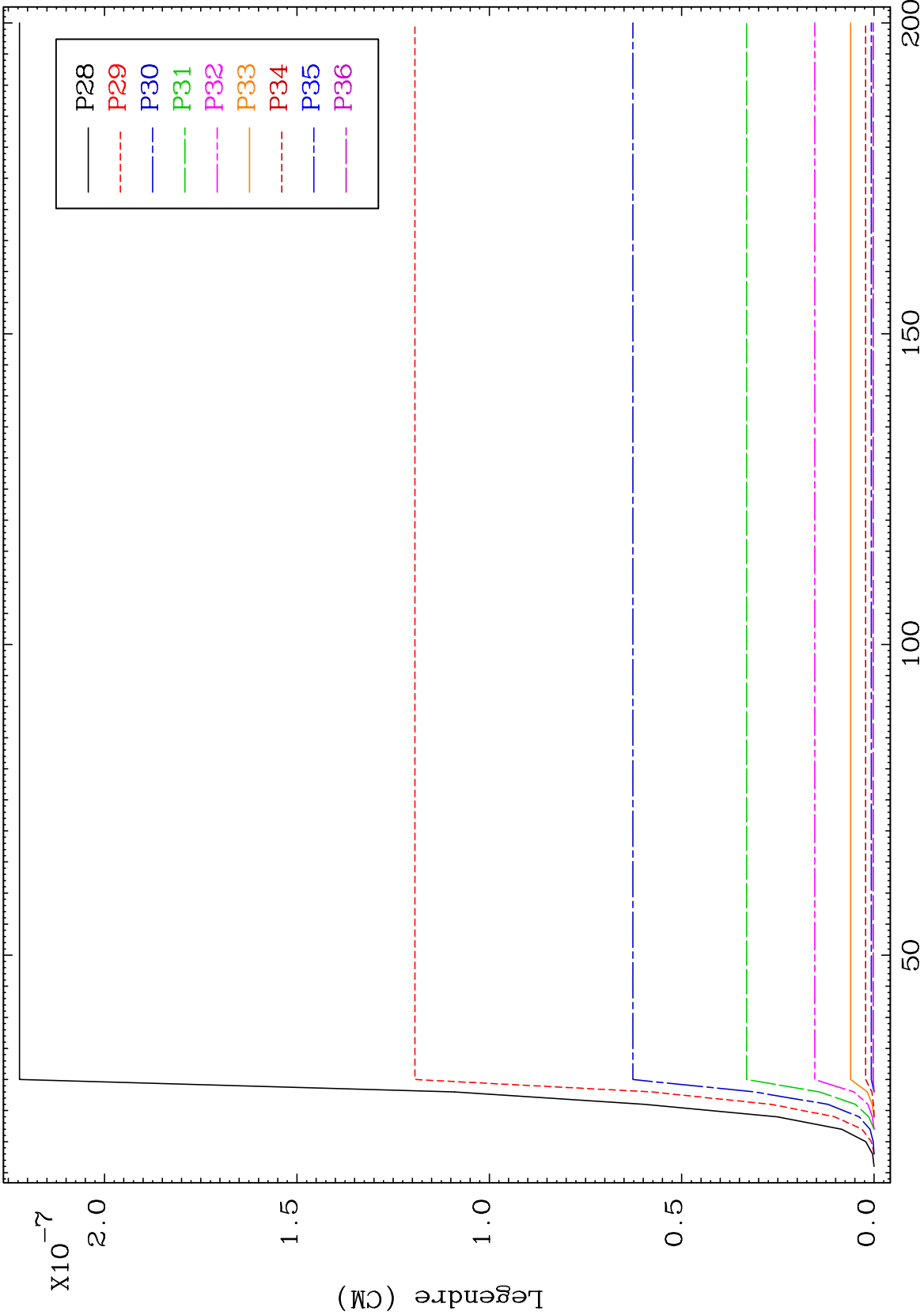
84-Po-204



MAT 8419

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

84-Po-204



76

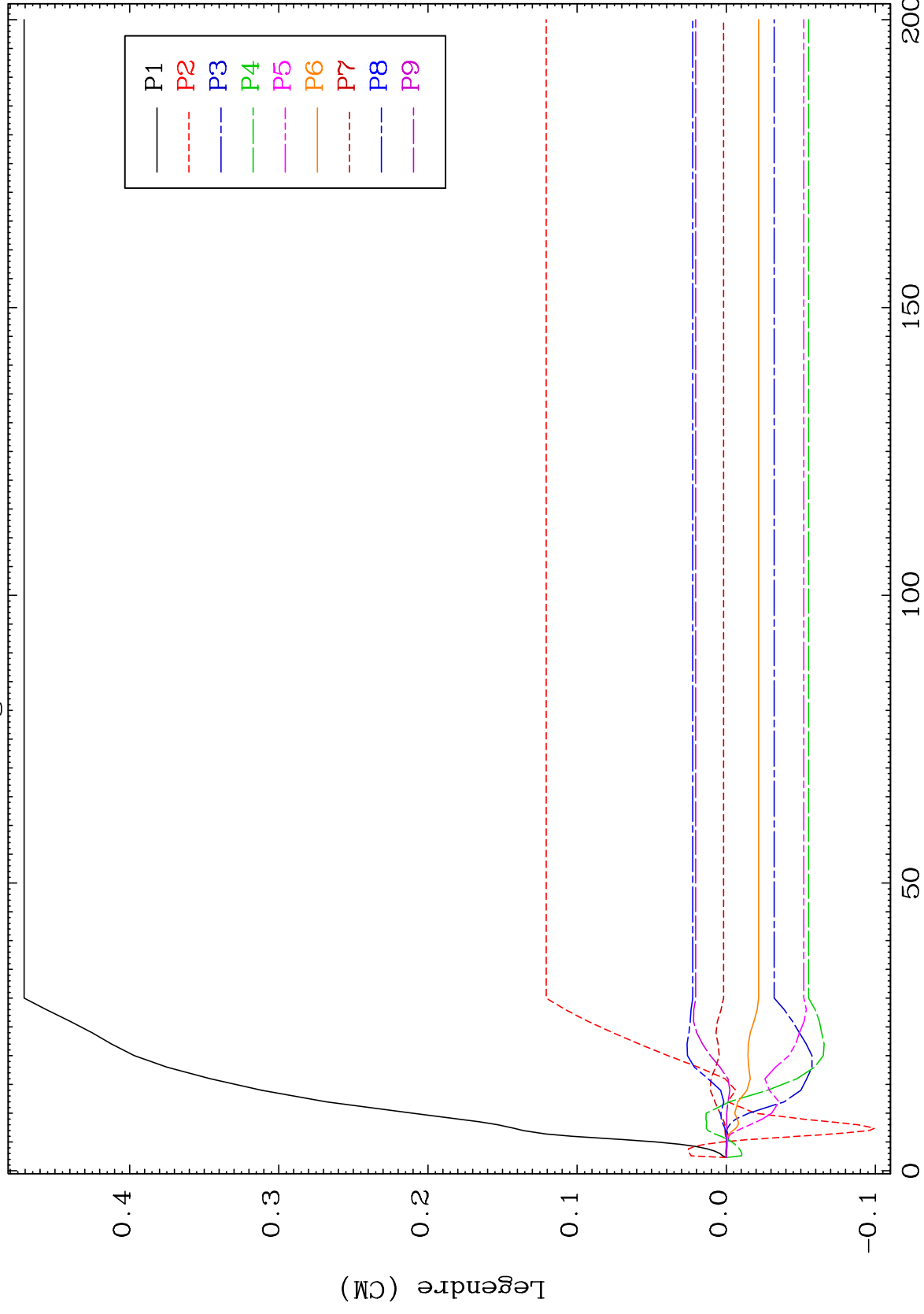
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



77

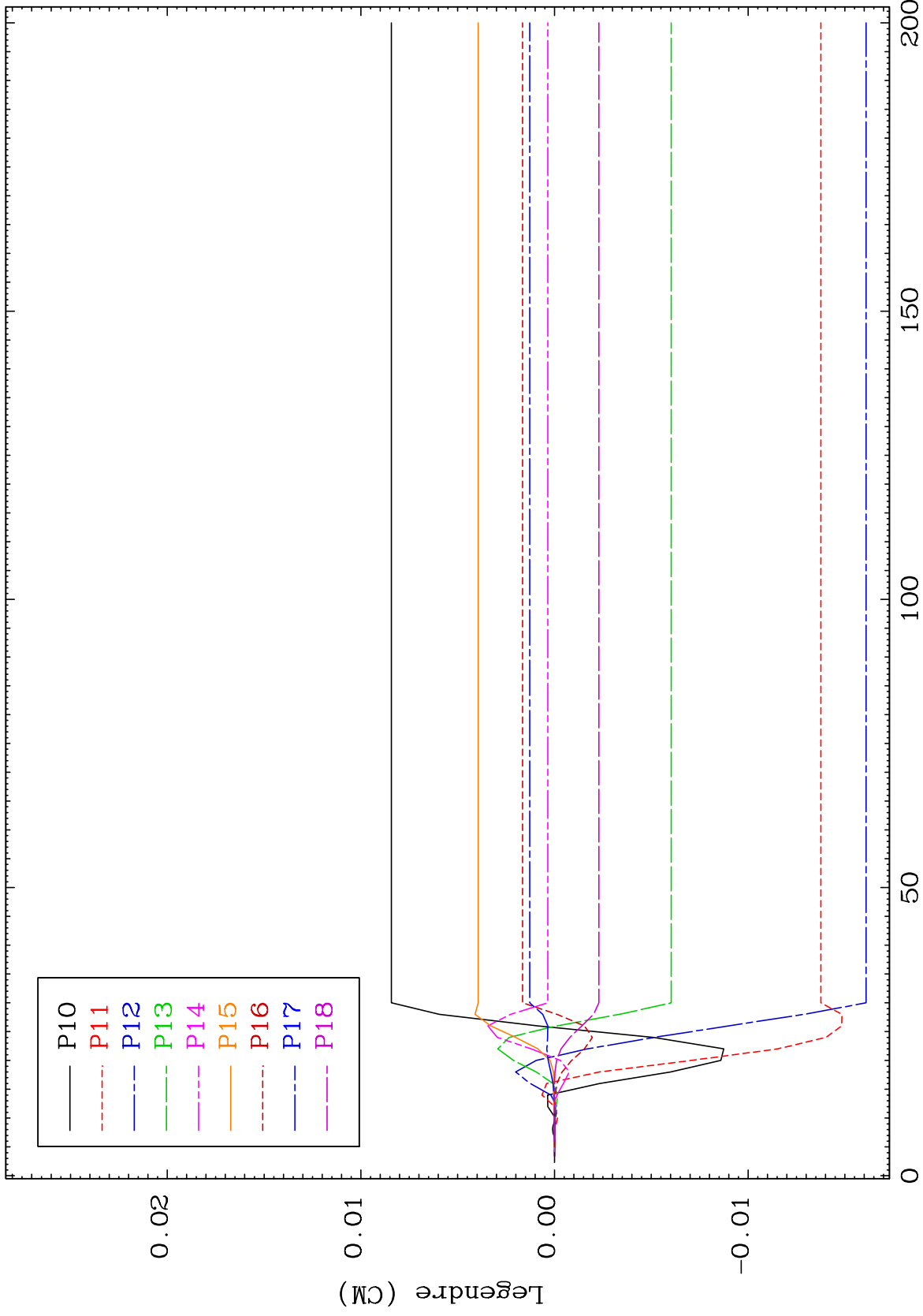
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



78

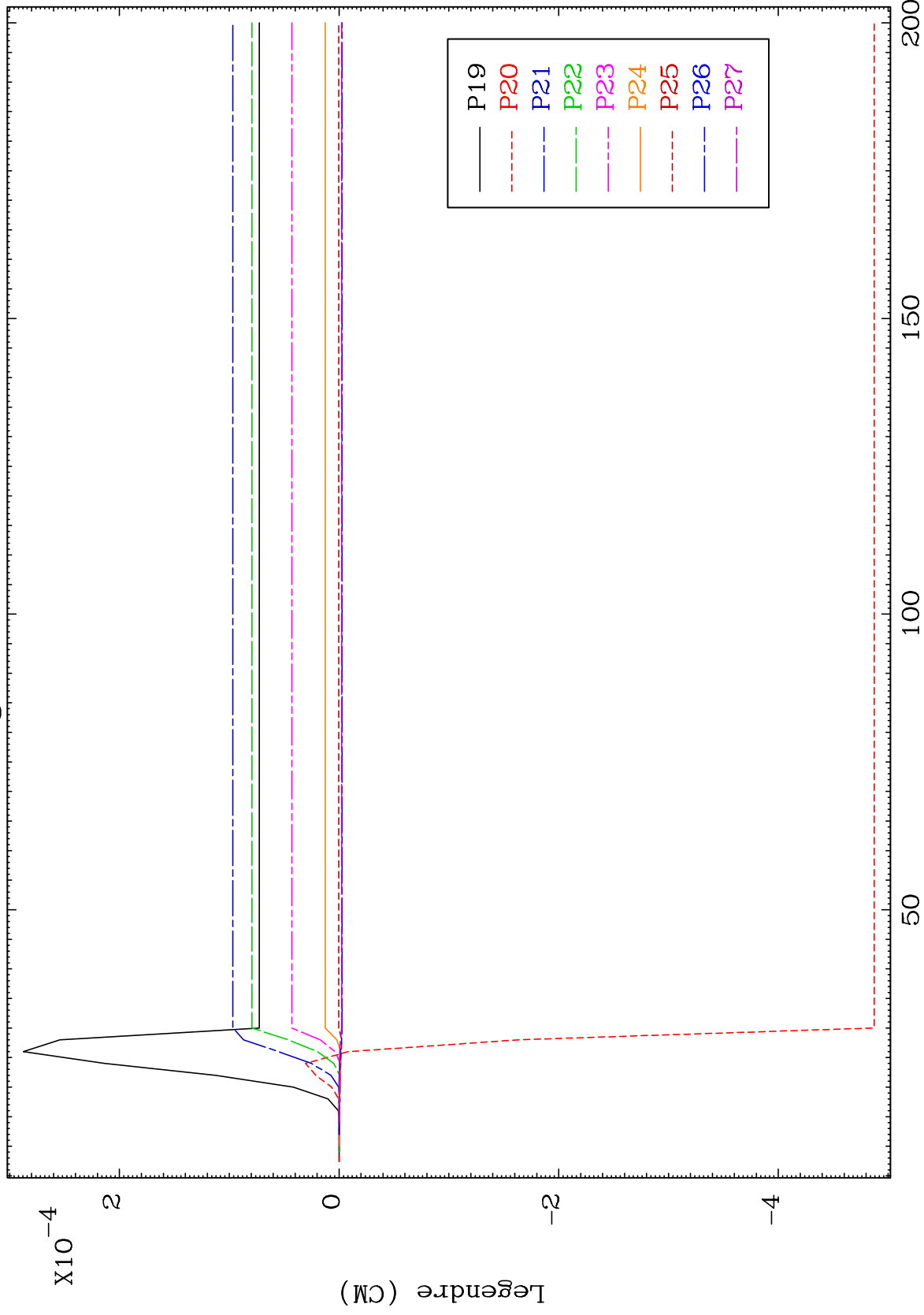
Incident Energy (MeV)

84-Po-204

MAT 8419

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

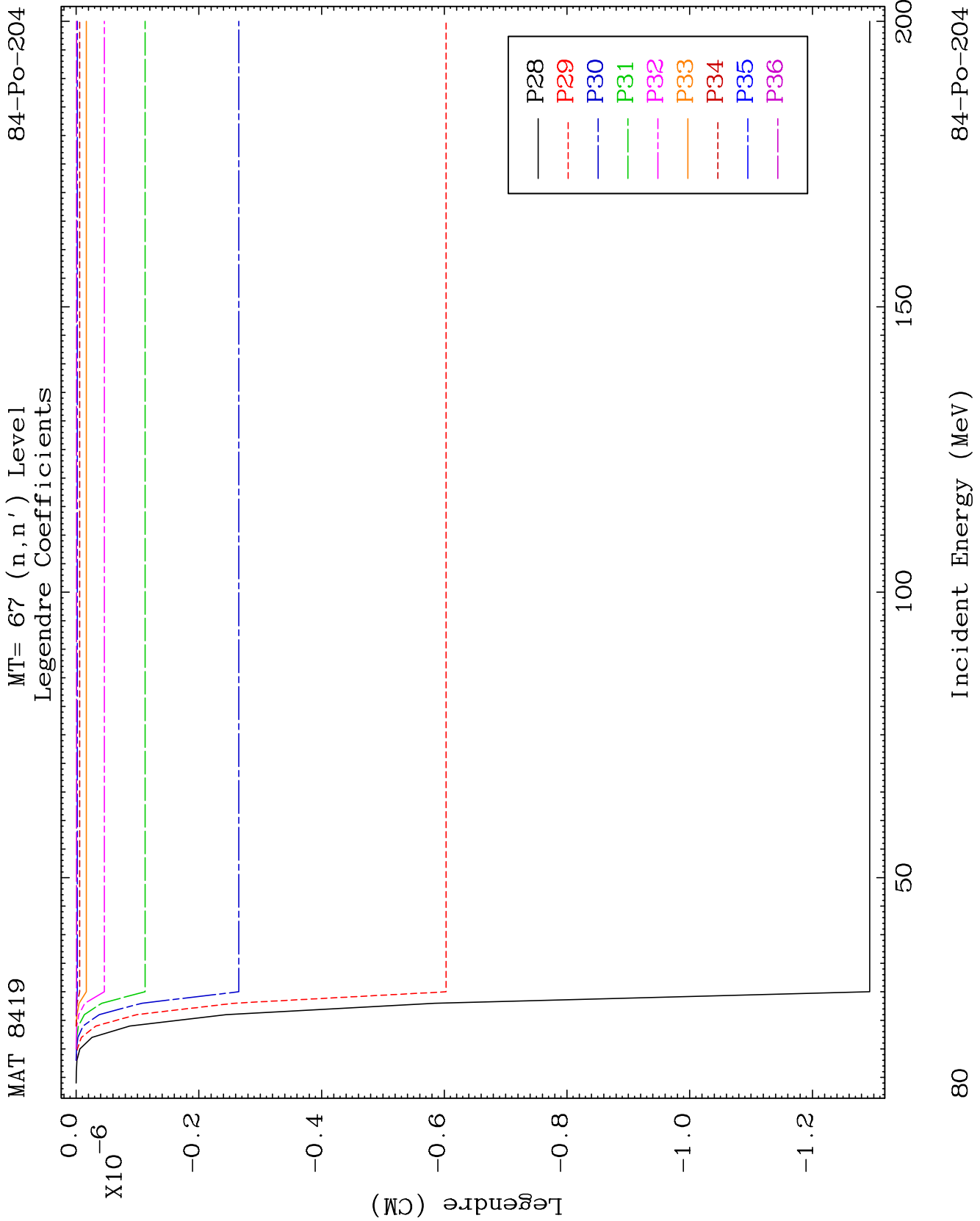
84-Po-204



79

Incident Energy (MeV)

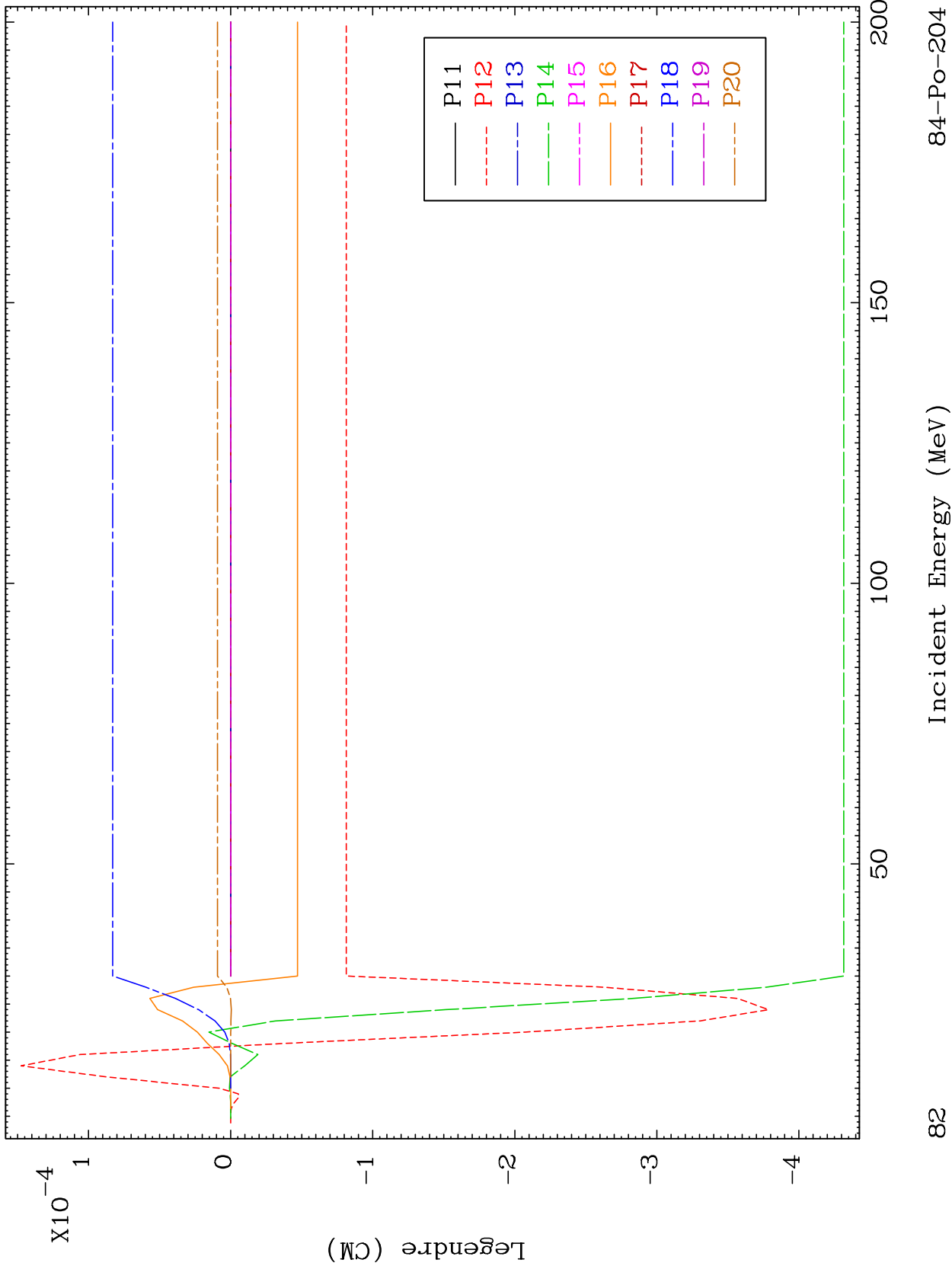
84-Po-204



MAT 8419

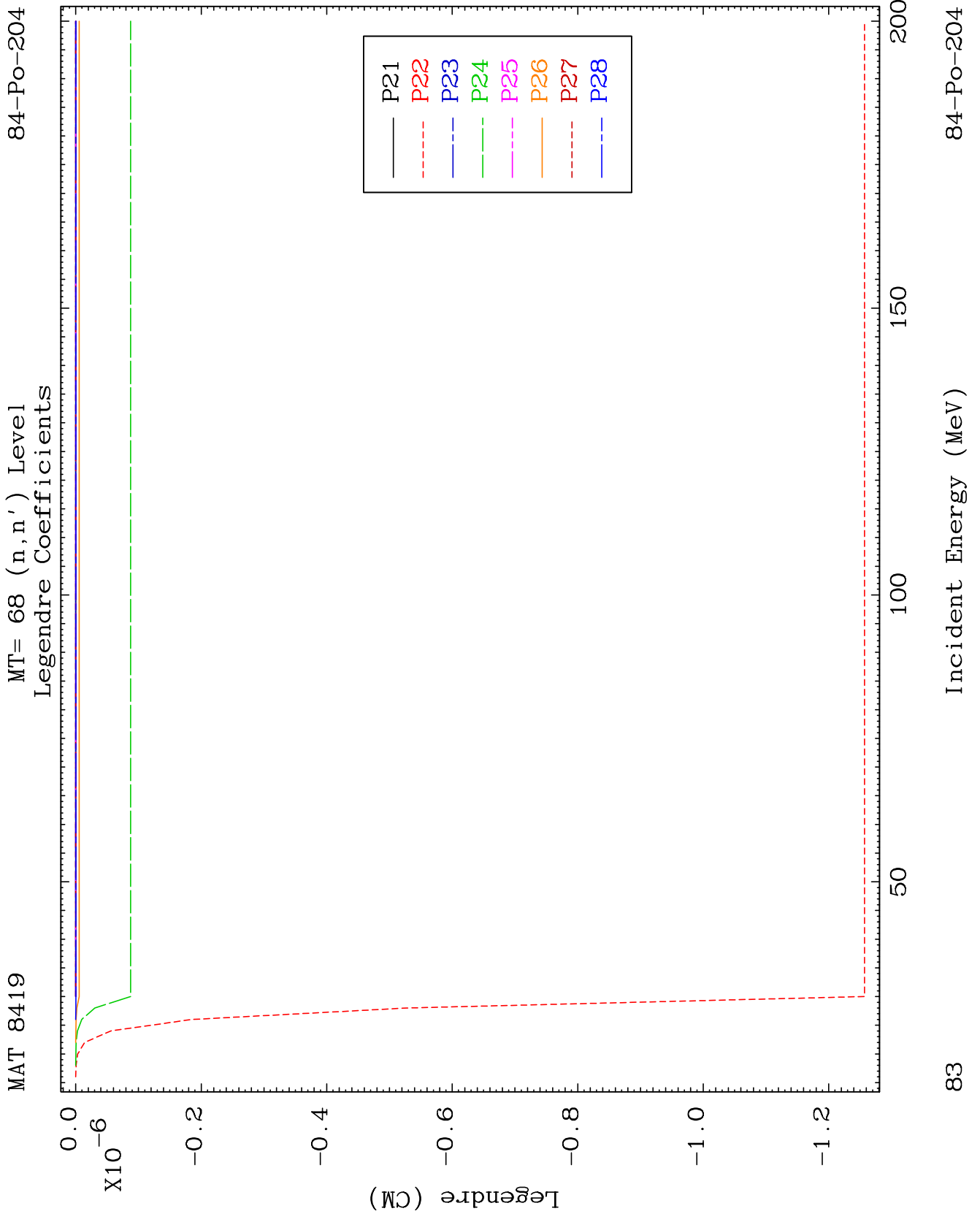
MT= 68 (n,n') Level
Legendre Coefficients

84-Po-204



82

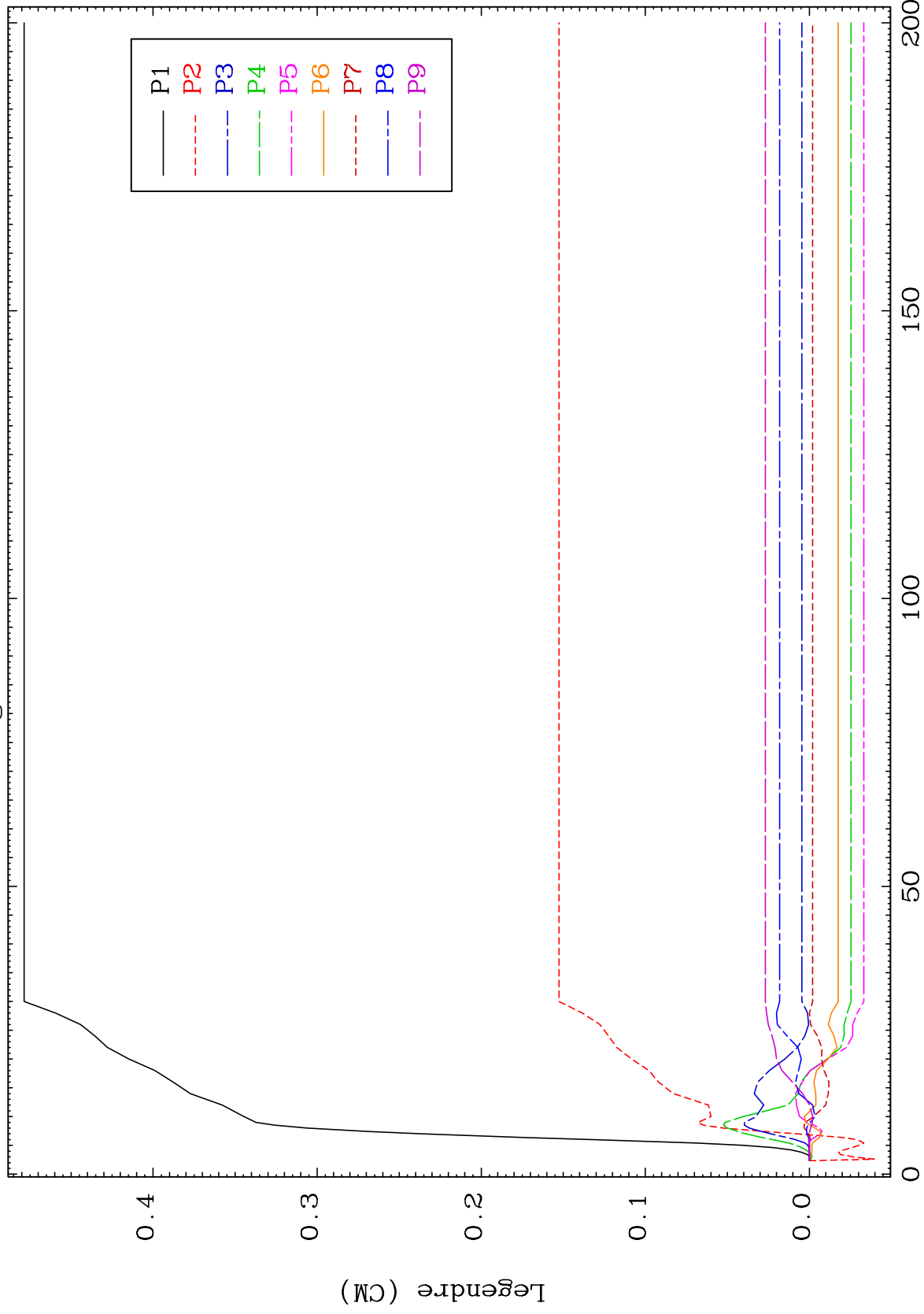
84-Po-204



MAT 8419

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

84-Po-204



84

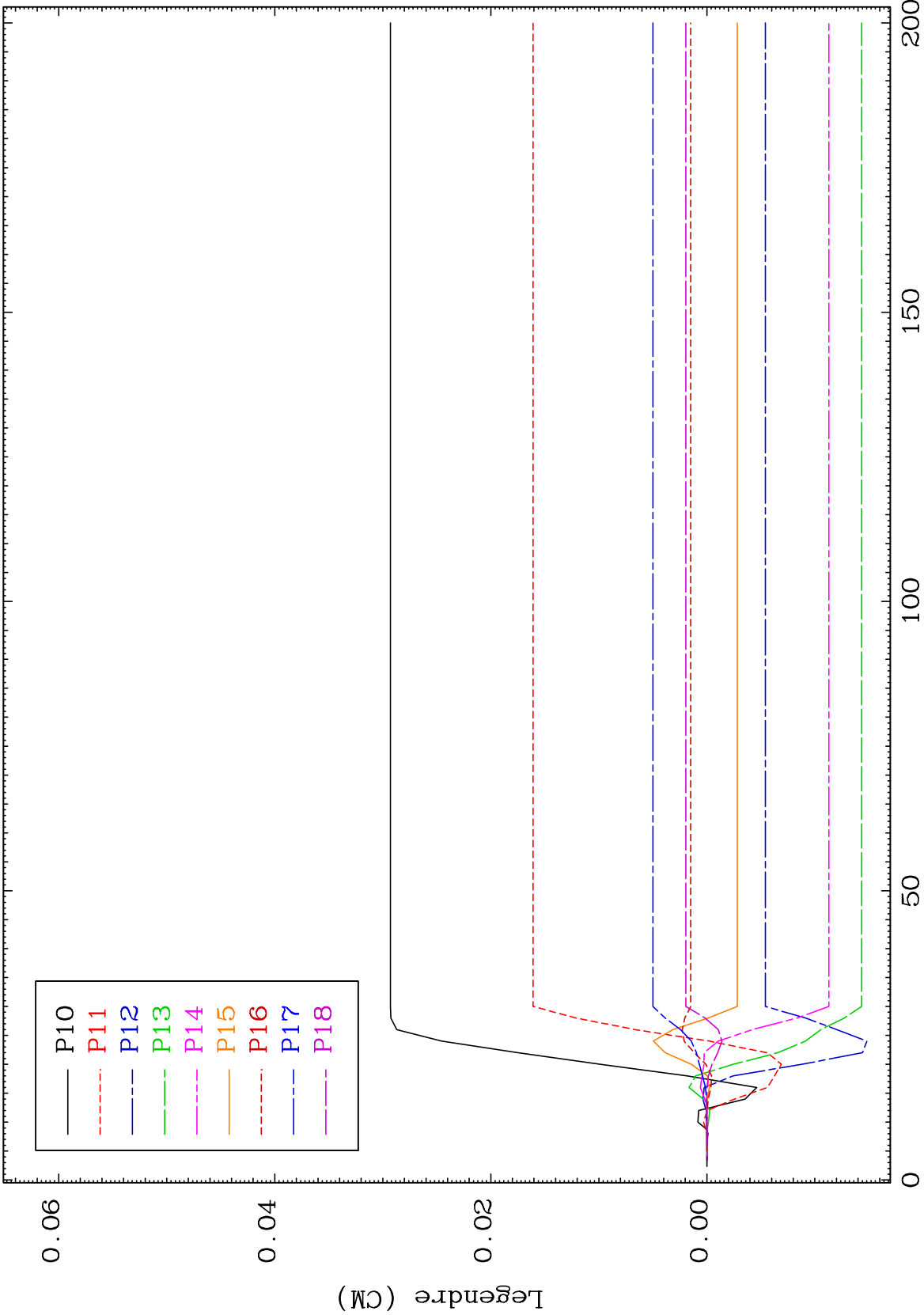
Incident Energy (MeV)

84-Po-204

MAT 8419

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

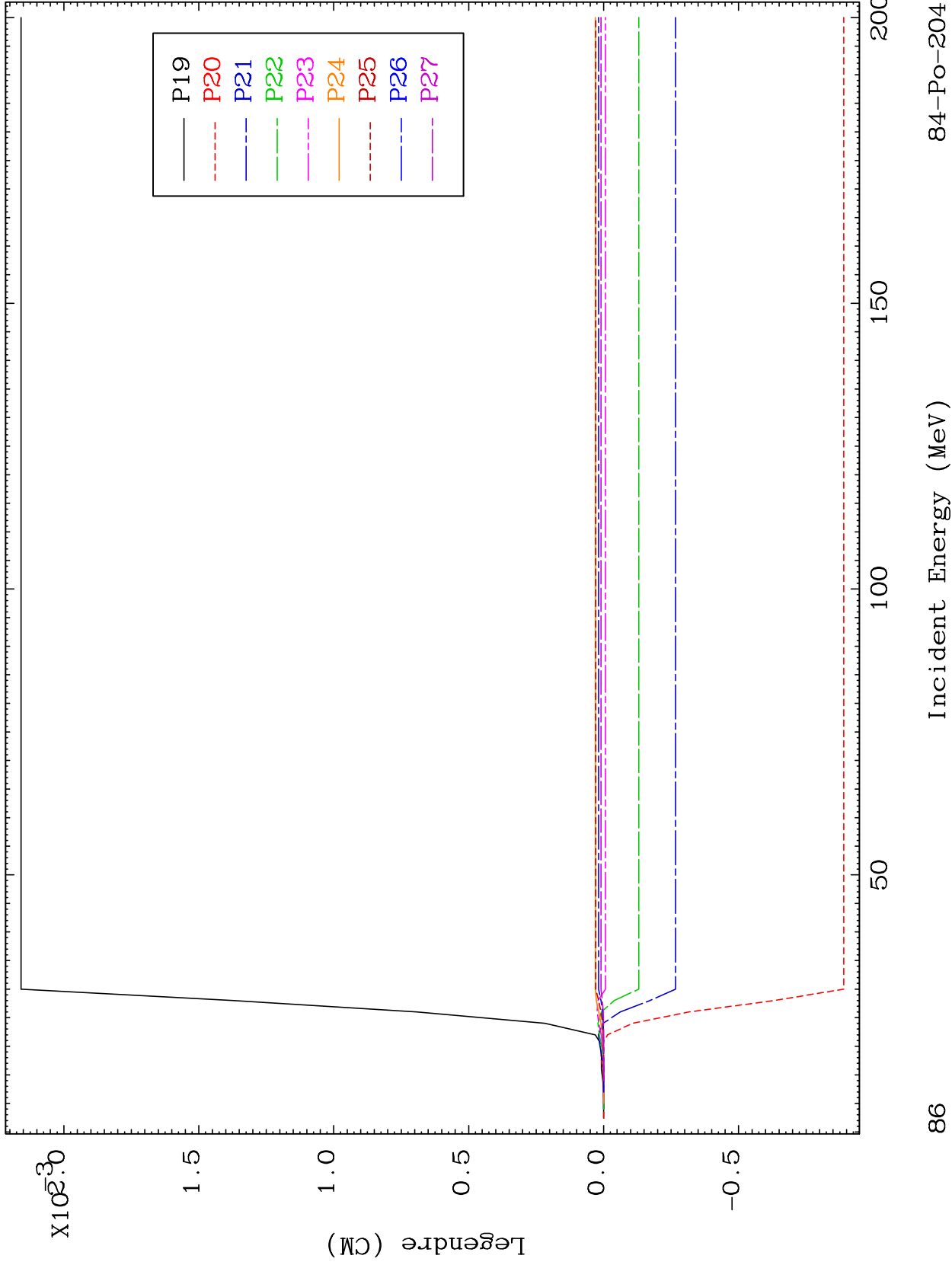
84-Po-204



85

Incident Energy (MeV)

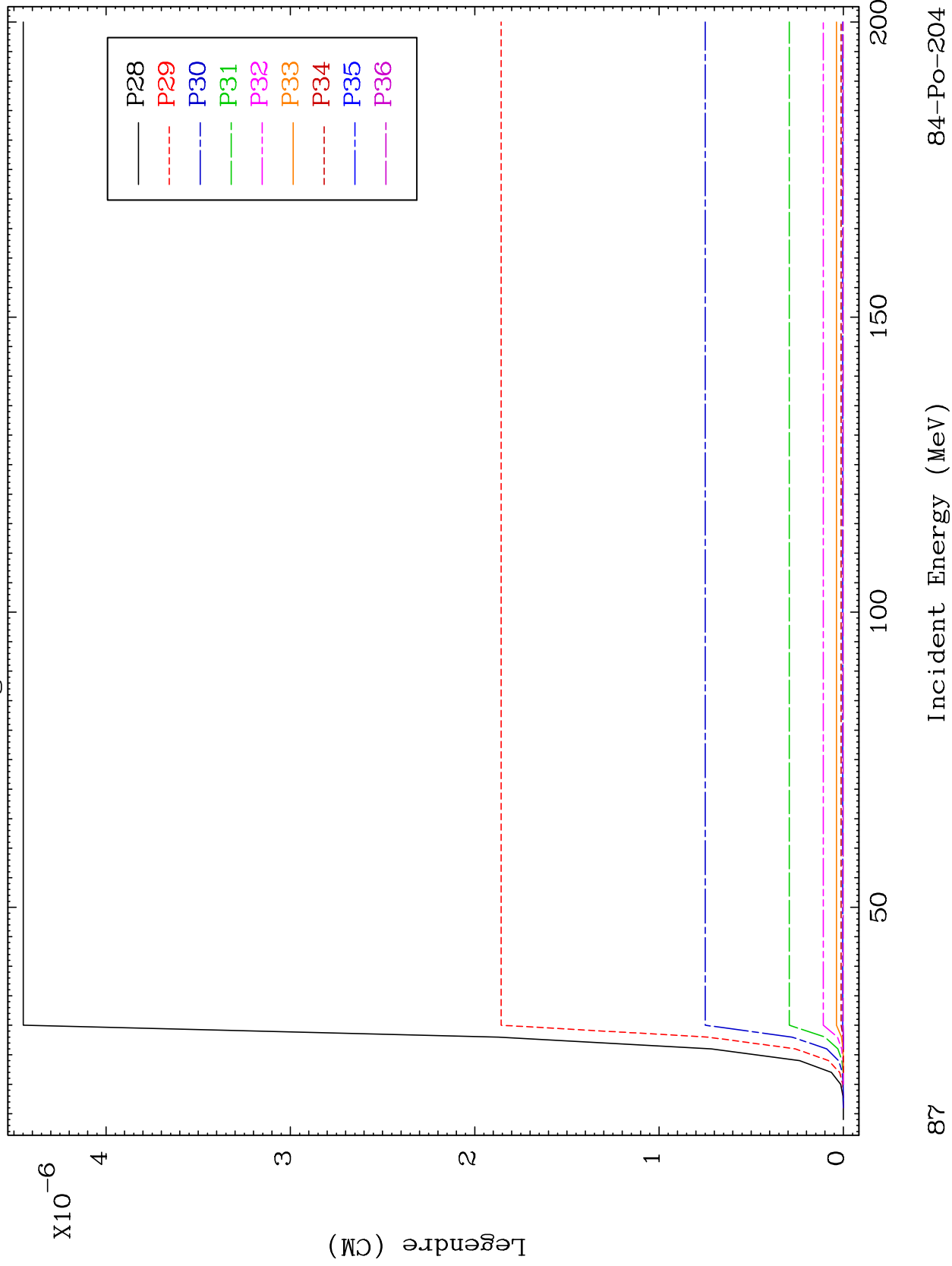
84-Po-204



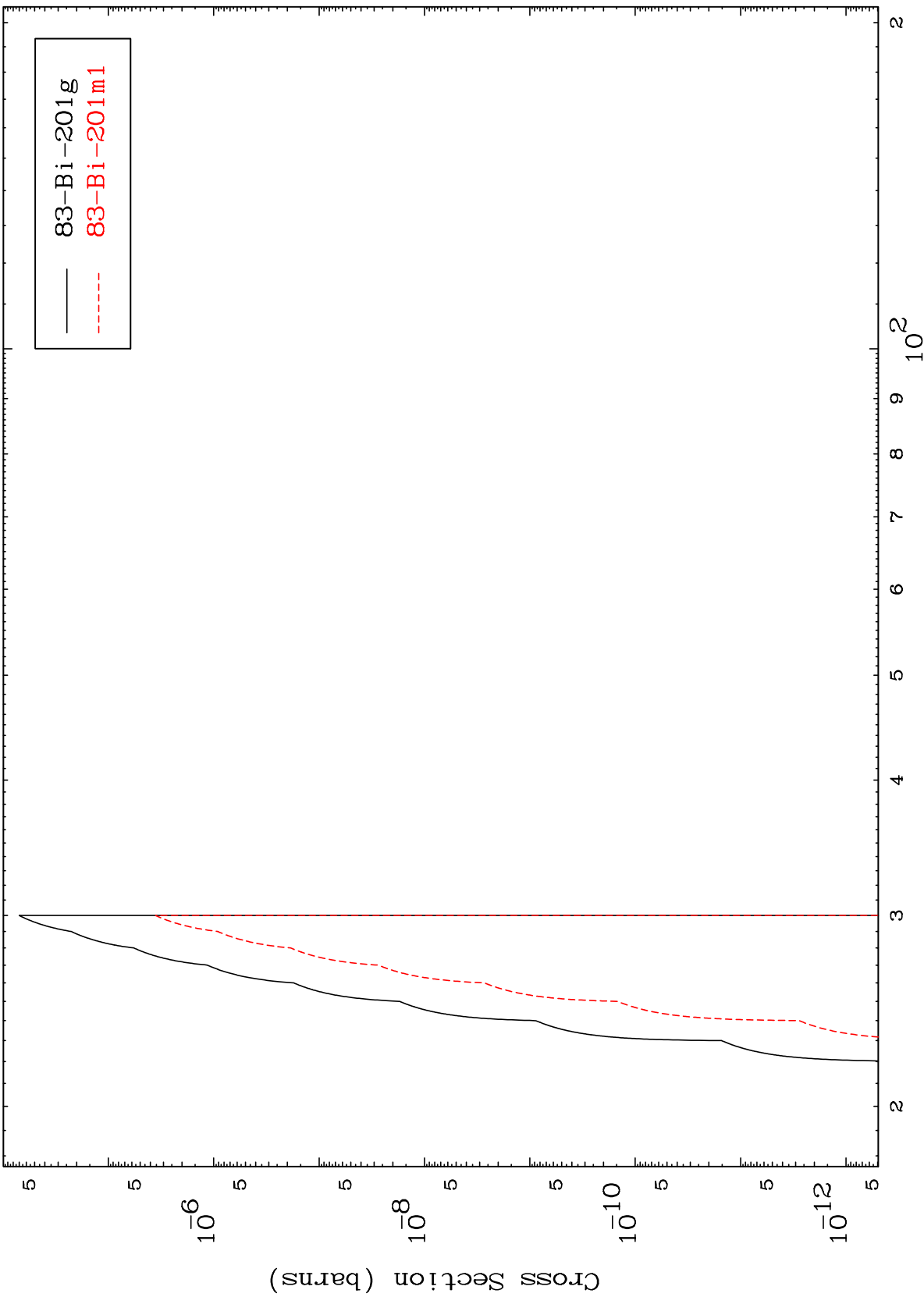
MAT 8419

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

84-Po-204



Radionuclide Production Cross Section

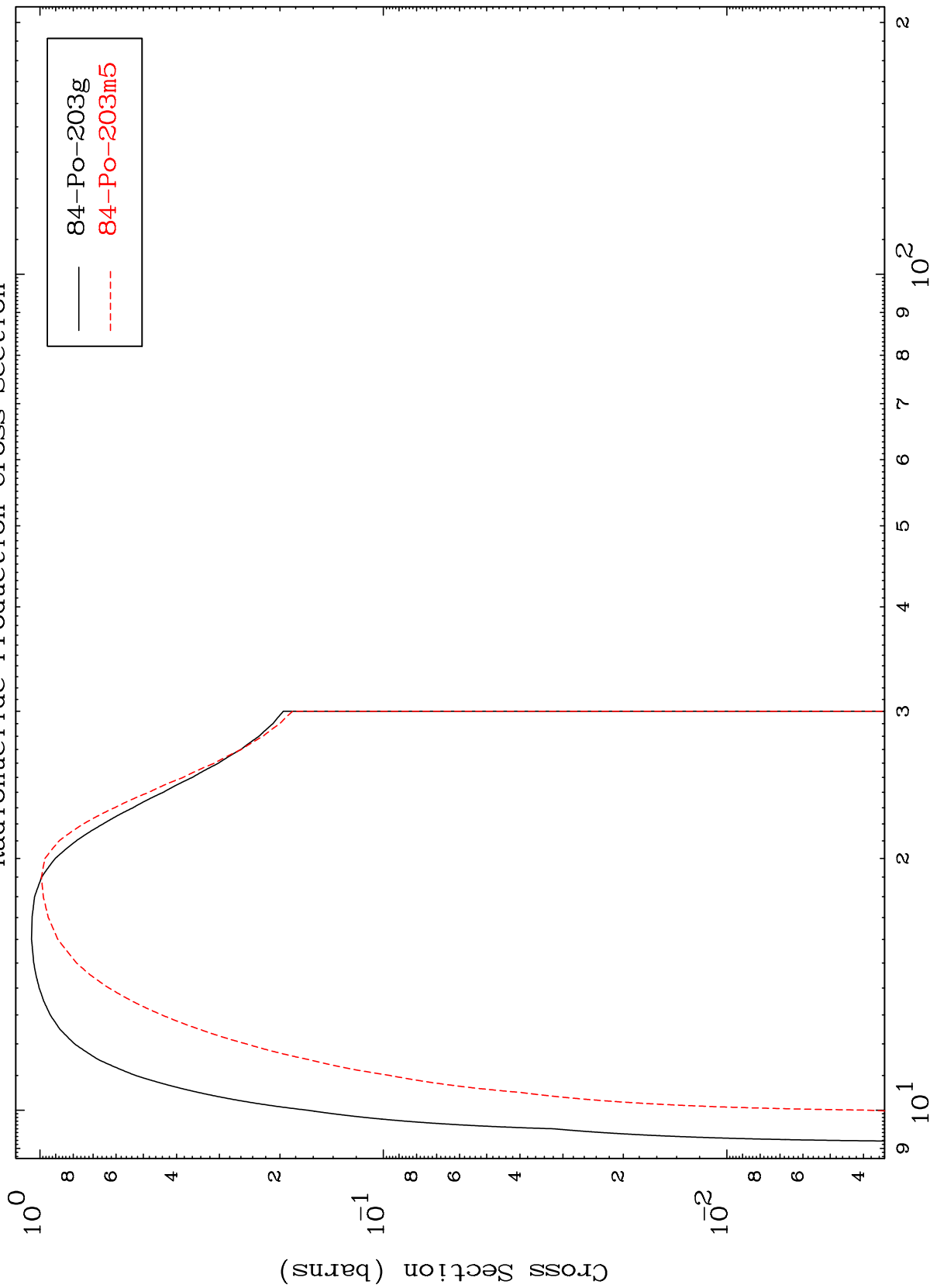


MAT 8419

84-Po-204

(n,2n)

Radionuclide Production Cross Section



84-Po-203g
84-Po-203m5

89

Incident Energy (MeV)

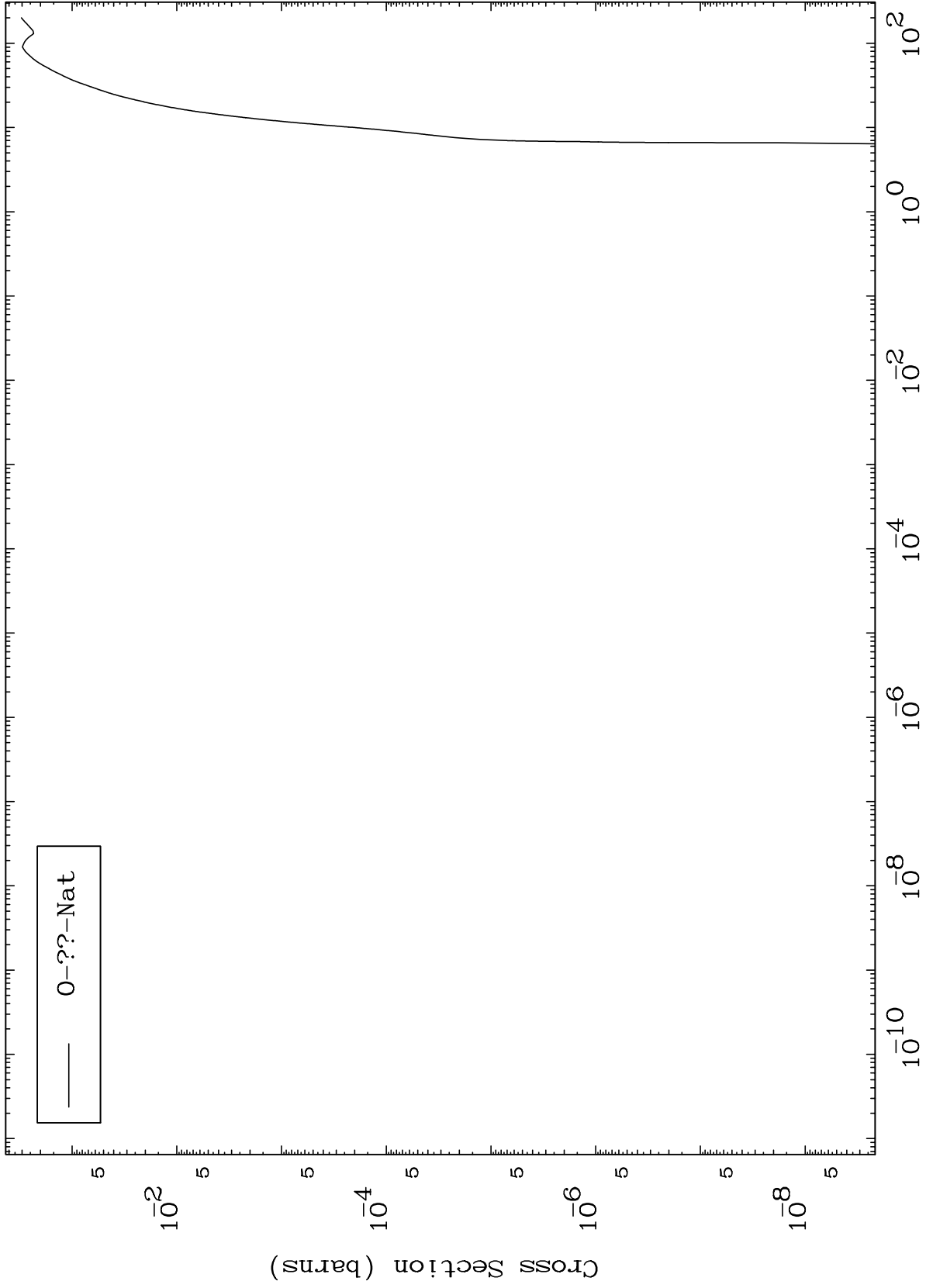
84-Po-204

MAT 8419

Fission

84-Po-204

Radionuclide Production Cross Section



90

Incident Energy (MeV)

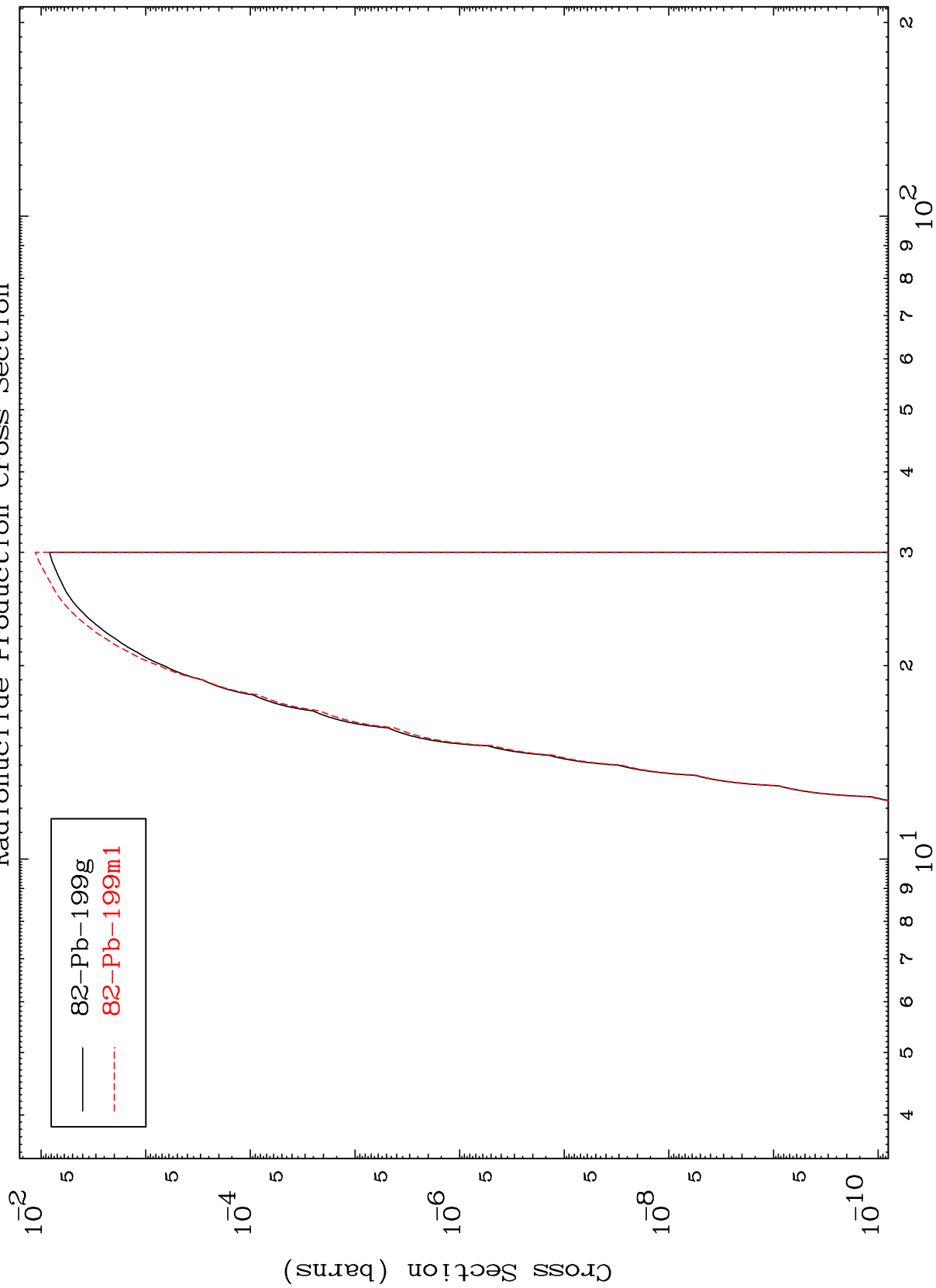
84-Po-204

MAT 8419

(n,2n) α

84-Po-204

Radionuclide Production Cross Section



91

Incident Energy (MeV)

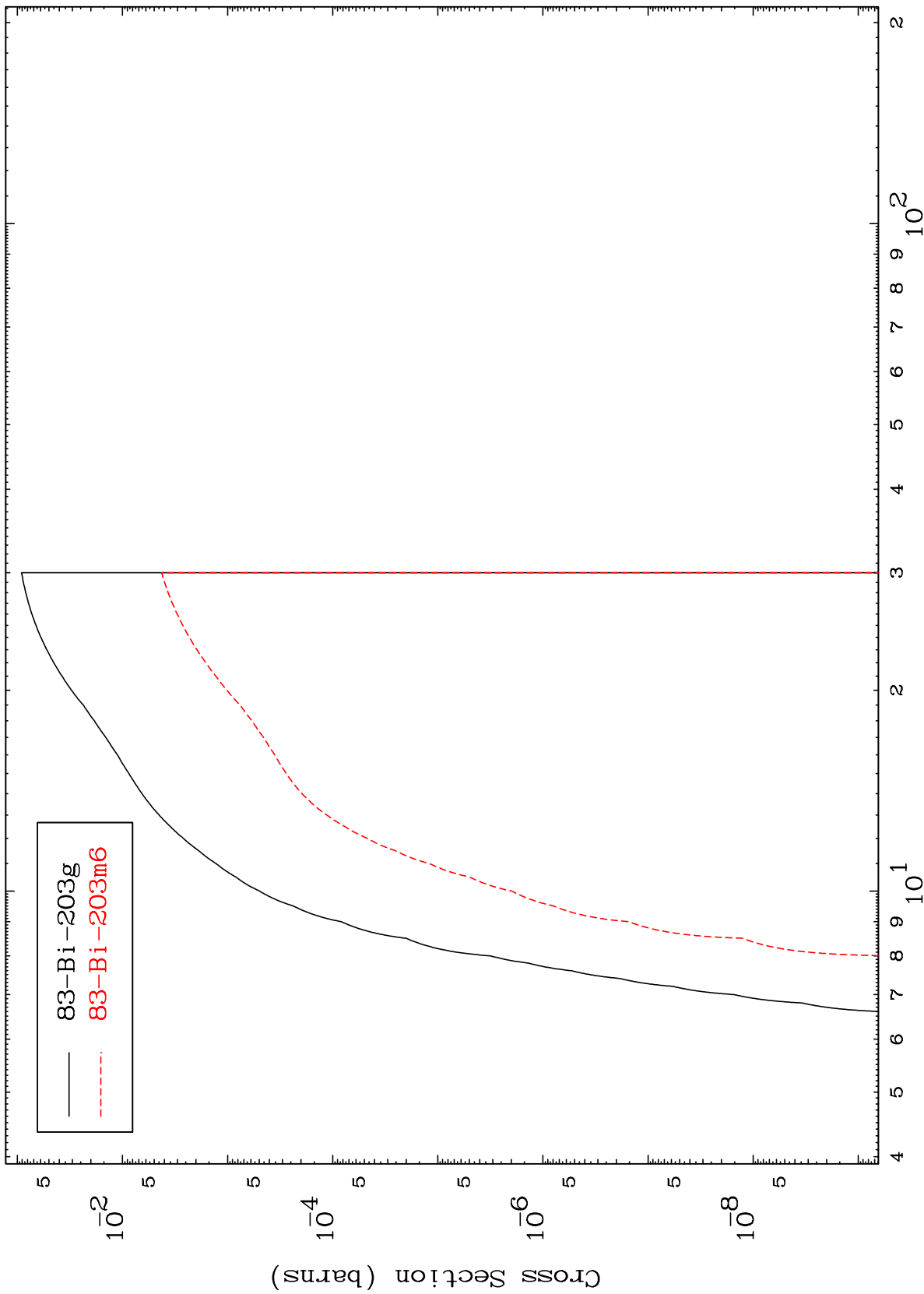
84-Po-204

MAT 8419

(n,n') p

84-Po-204

Radionuclide Production Cross Section

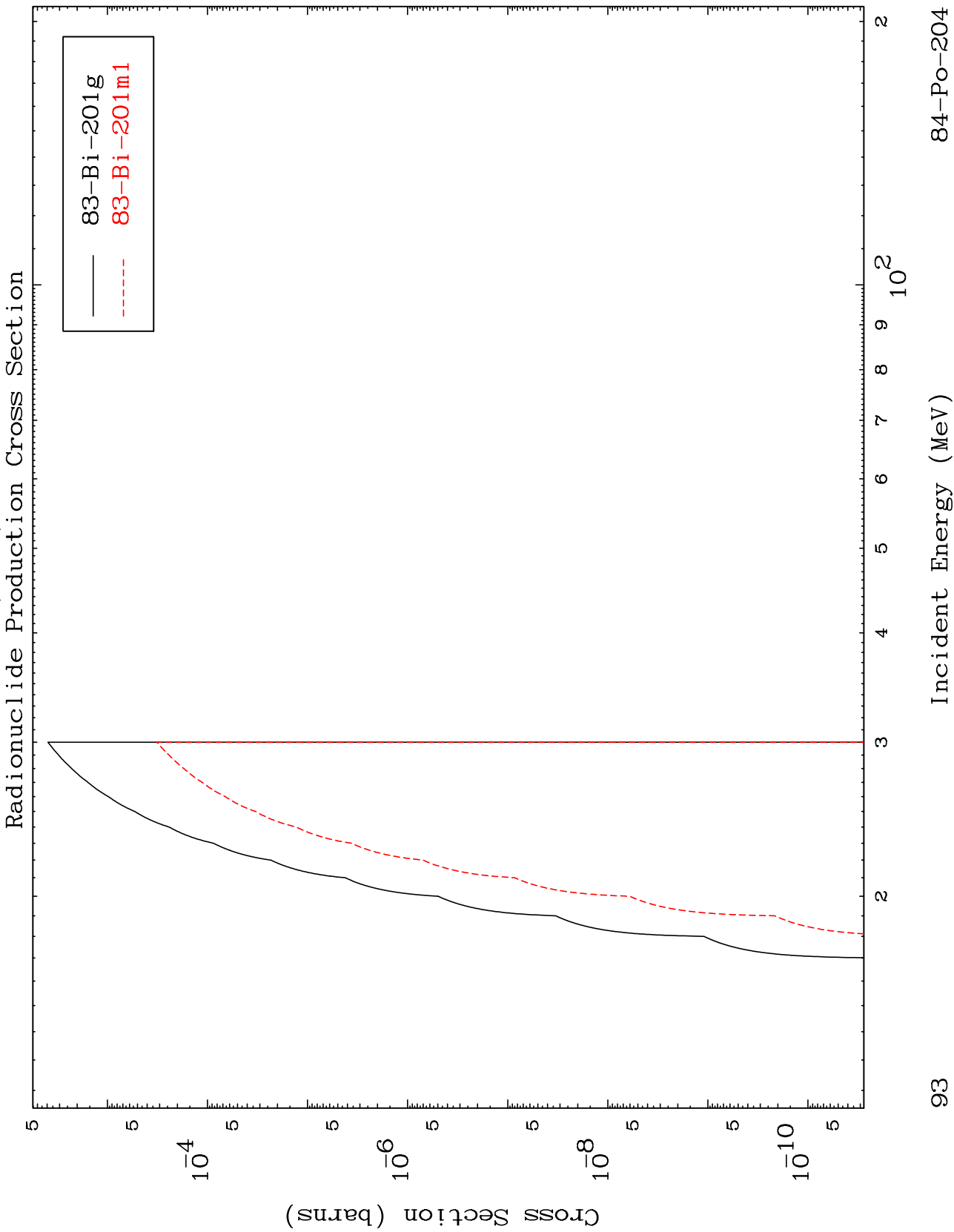


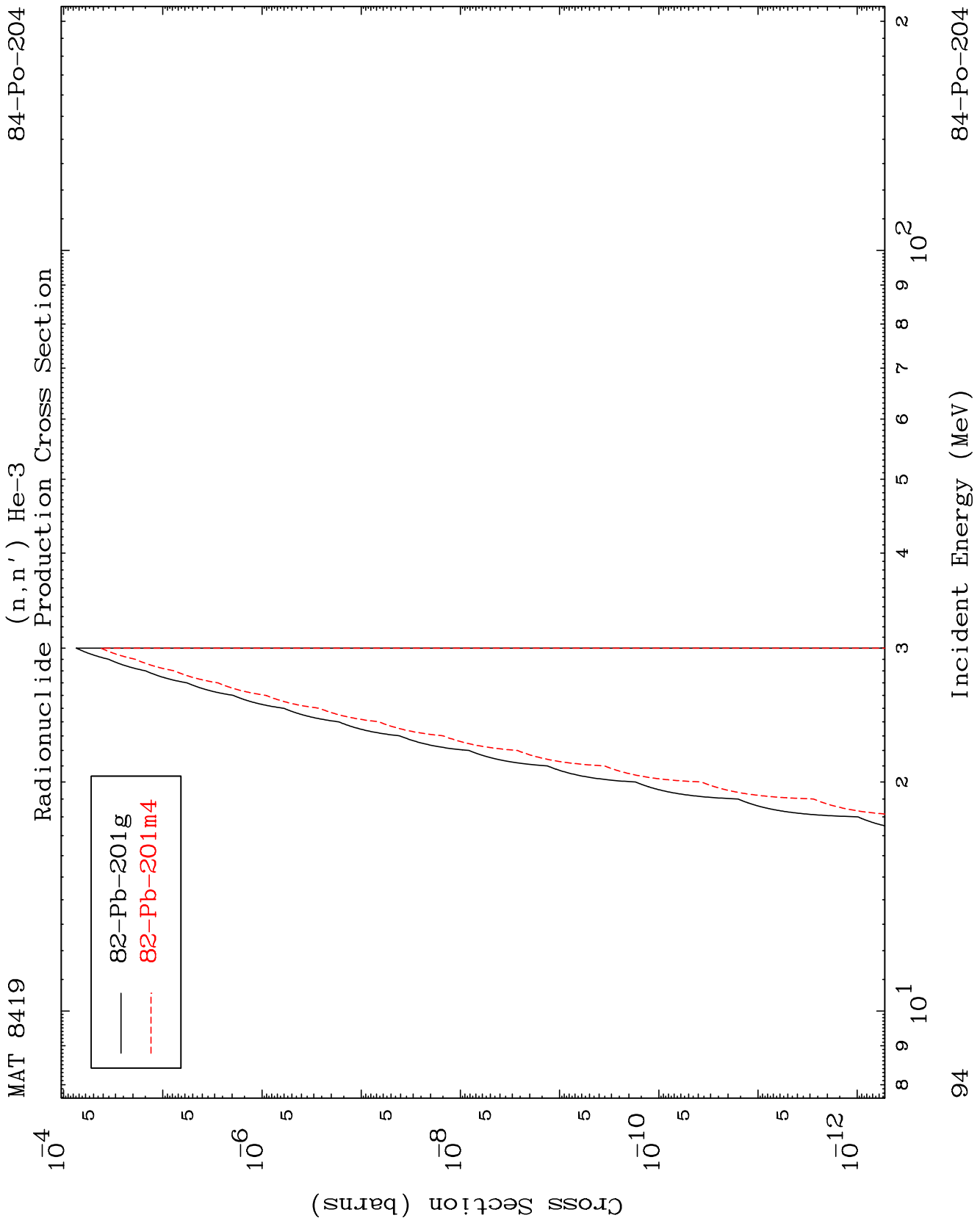
83-Bi-203g
83-Bi-203m6

Incident Energy (MeV)

84-Po-204

92

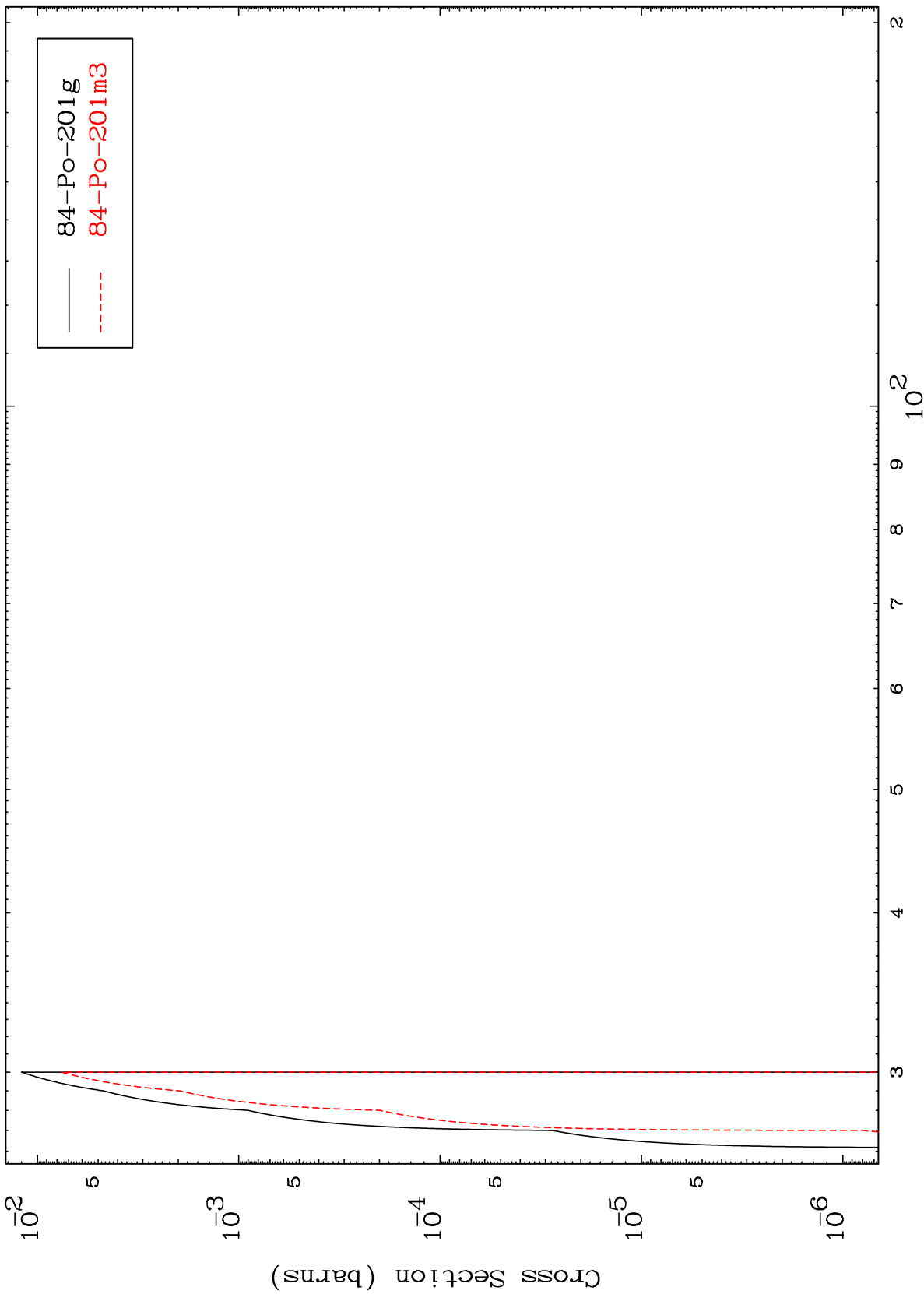




MAT 8419

84-Po-204

(n,4n)
Radionuclide Production Cross Section



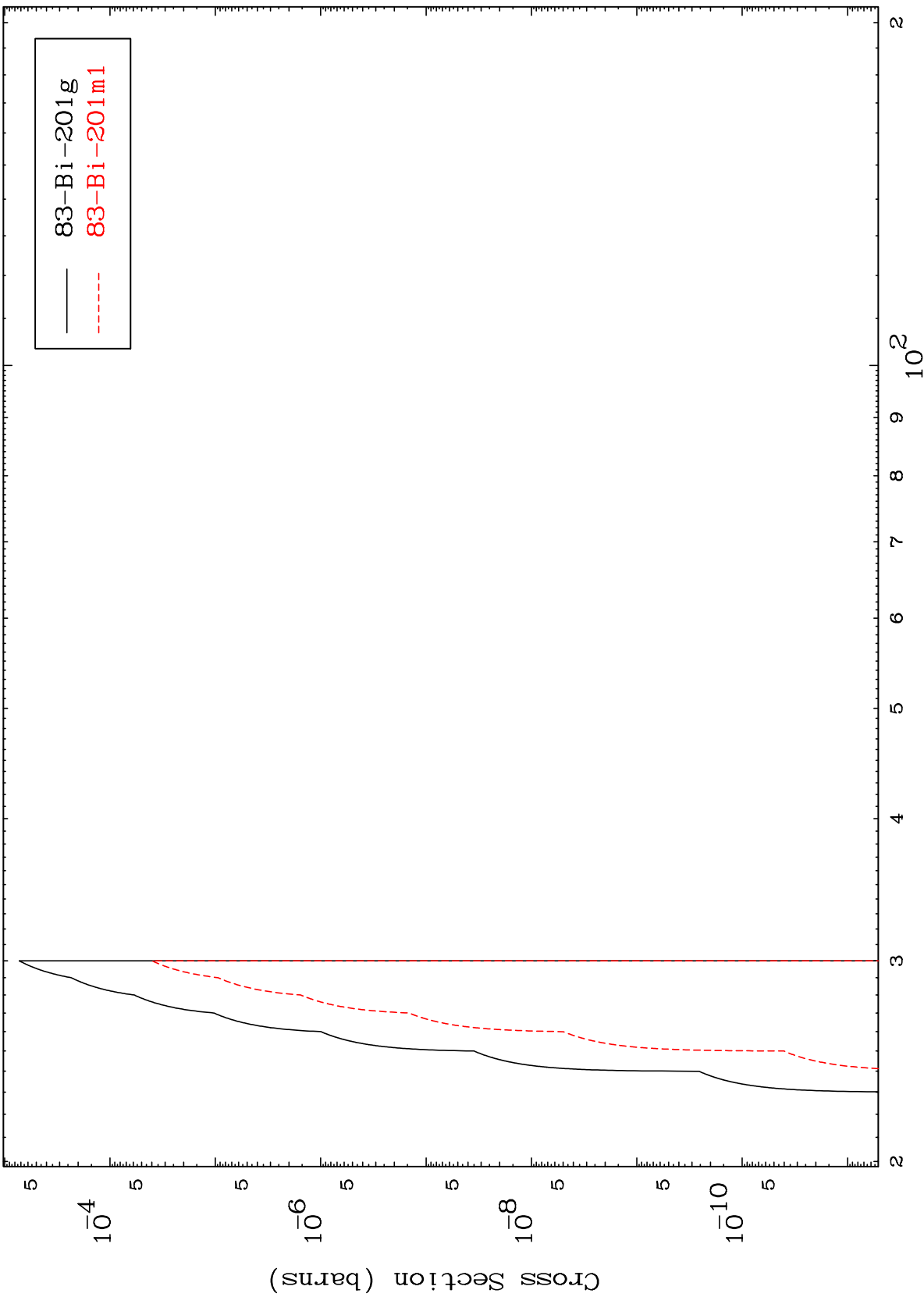
84-Po-201 g
84-Po-201 m3

95

84-Po-204

Incident Energy (MeV)

Radionuclide Production Cross Section

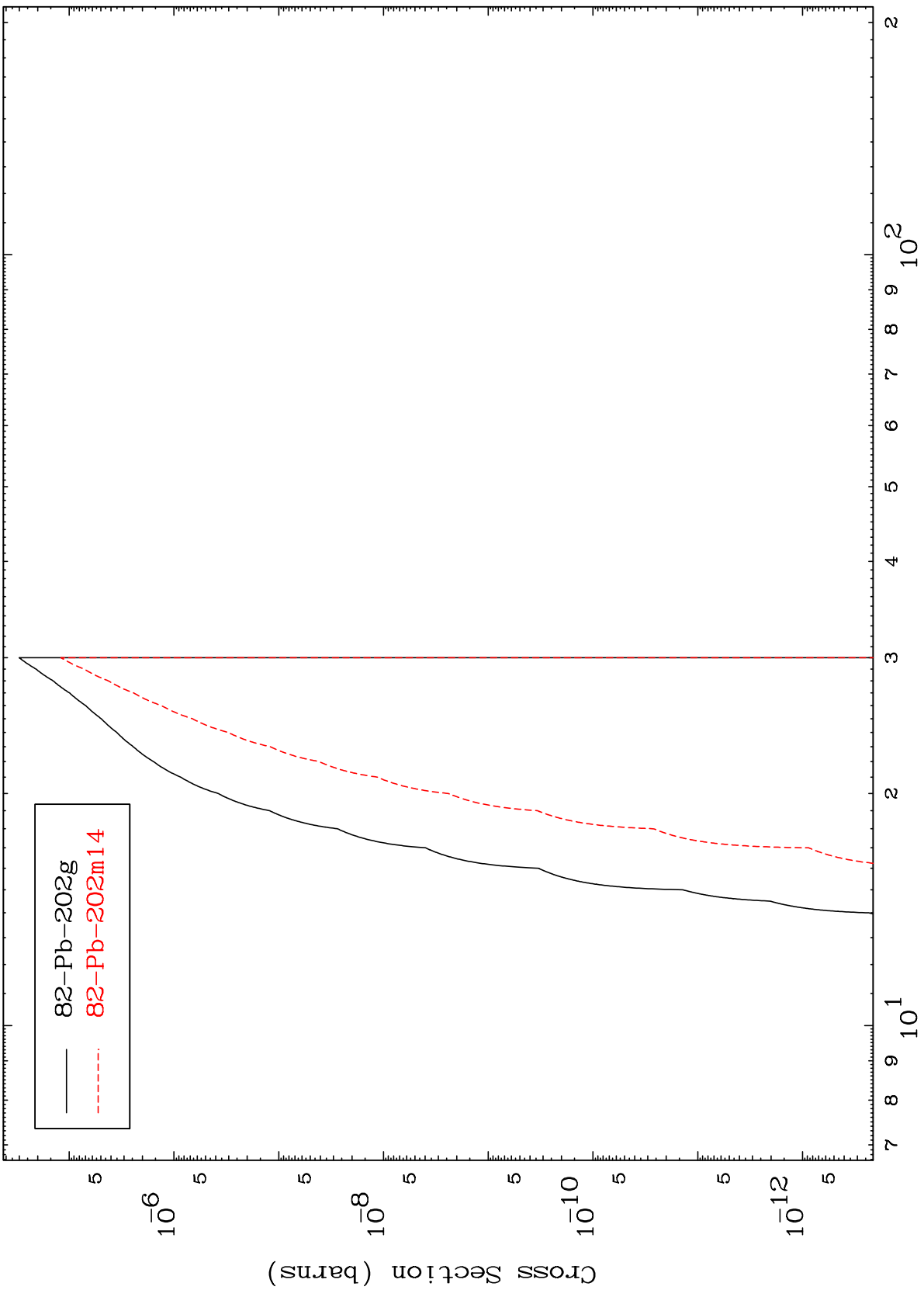


MAT 8419

(n,2n) p

84-Po-204

Radionuclide Production Cross Section



82-Pb-202g
82-Pb-202m14

97

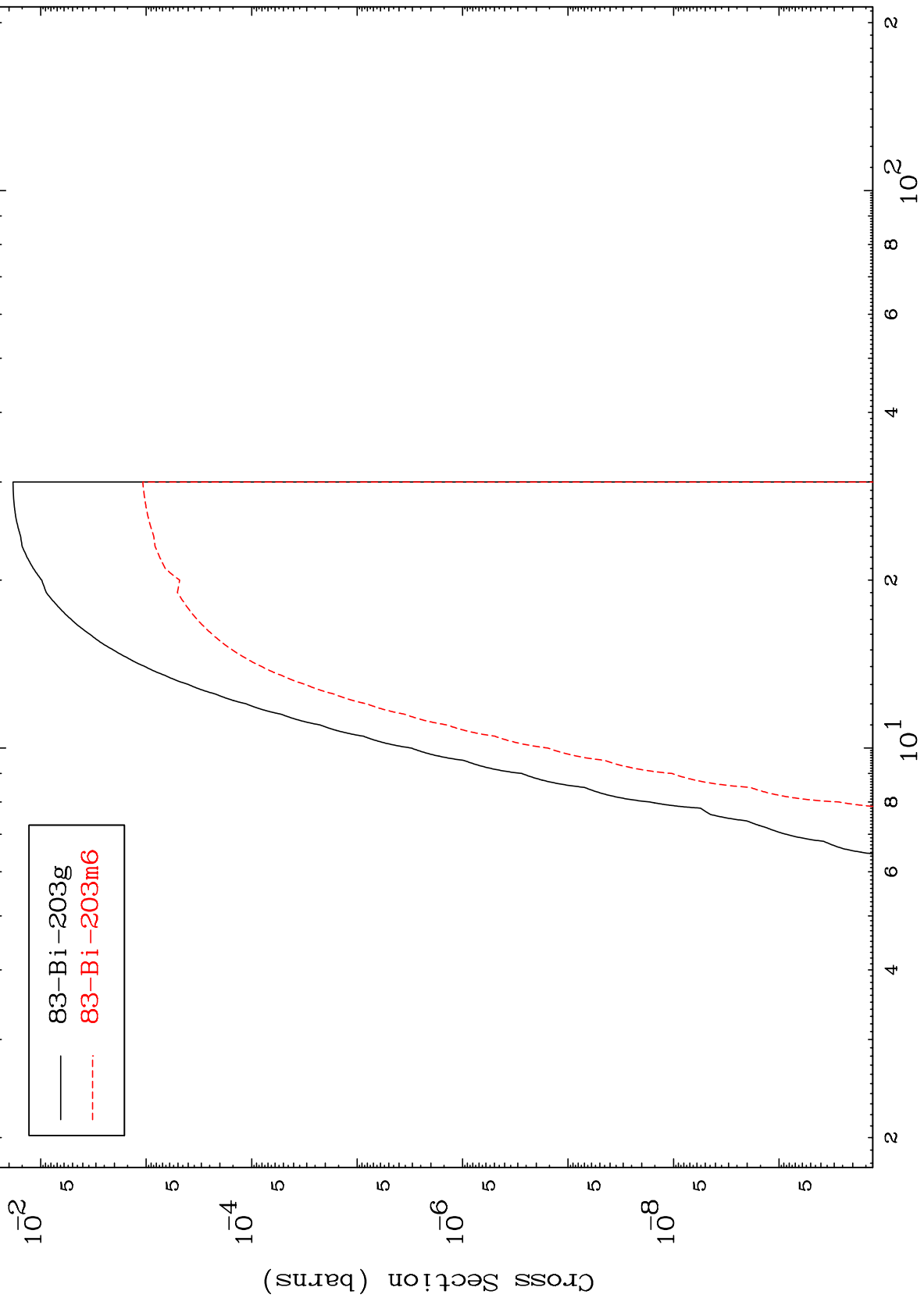
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

(n,d)
Radionuclide Production Cross Section



83-Bi-203g
83-Bi-203m6

84-Po-204

Incident Energy (MeV)

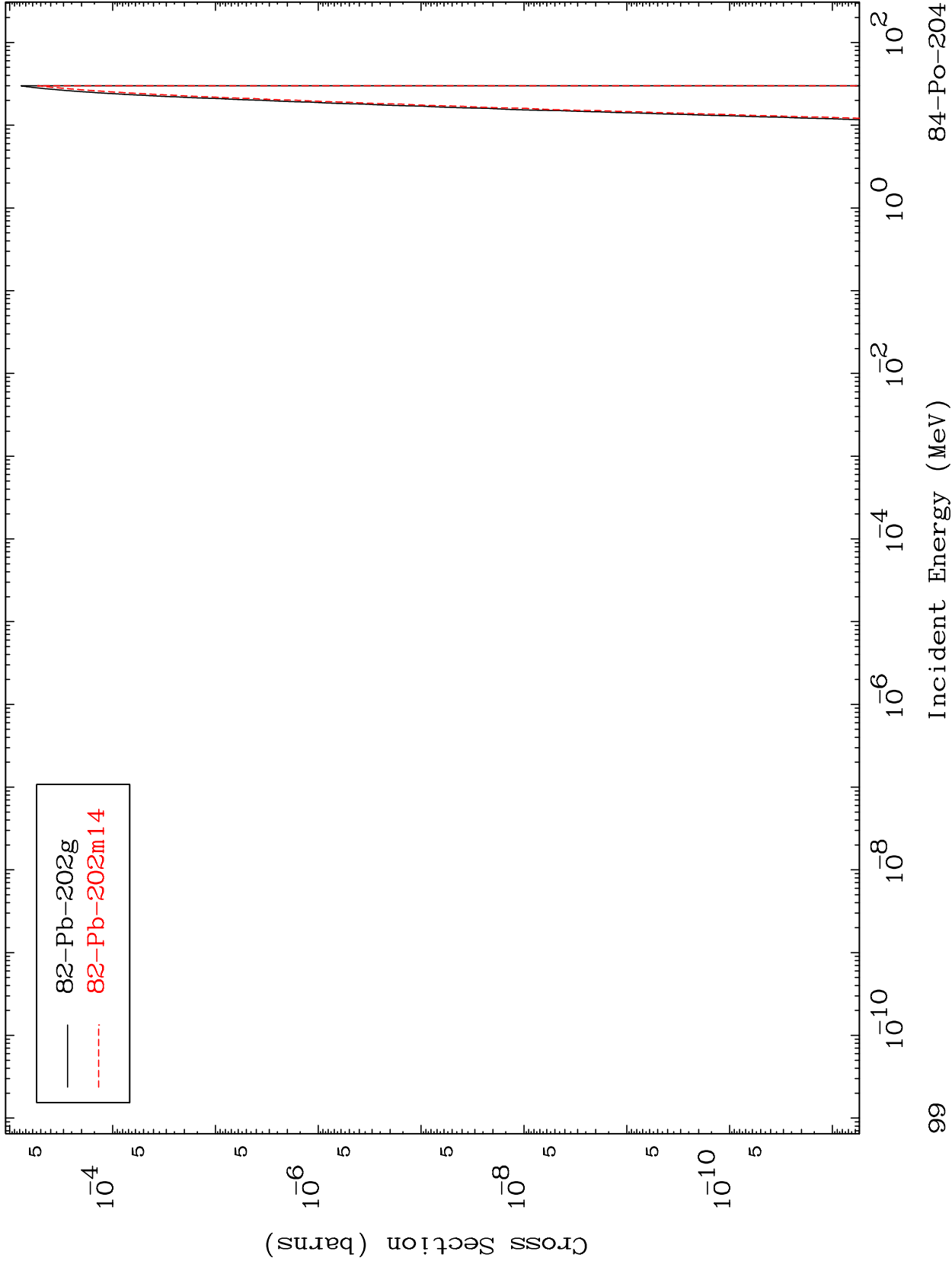
98

MAT 8419

(n,He-3)

84-Po-204

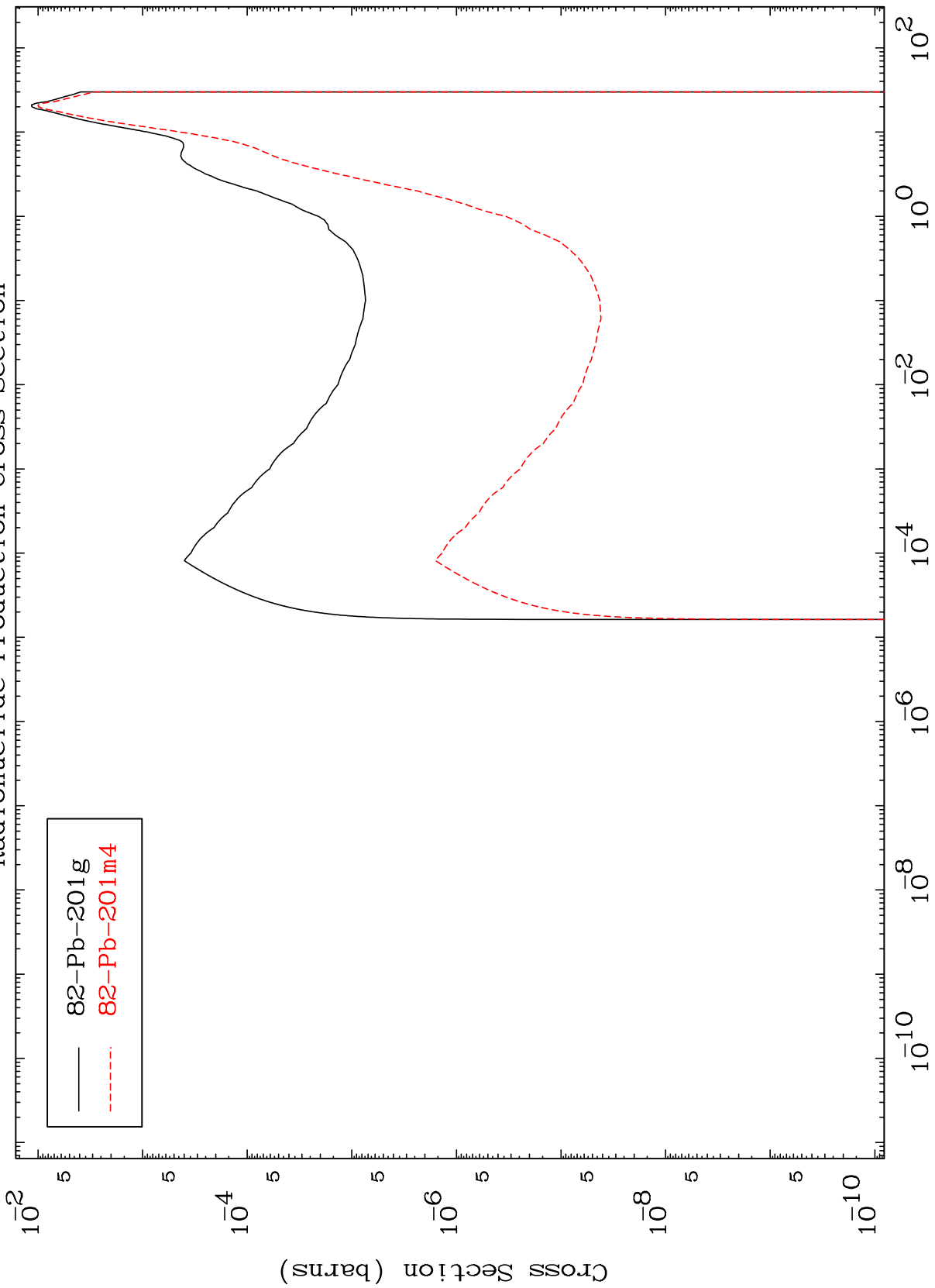
Radionuclide Production Cross Section



MAT 8419

84-Po-204

(n, α)
Radionuclide Production Cross Section



100

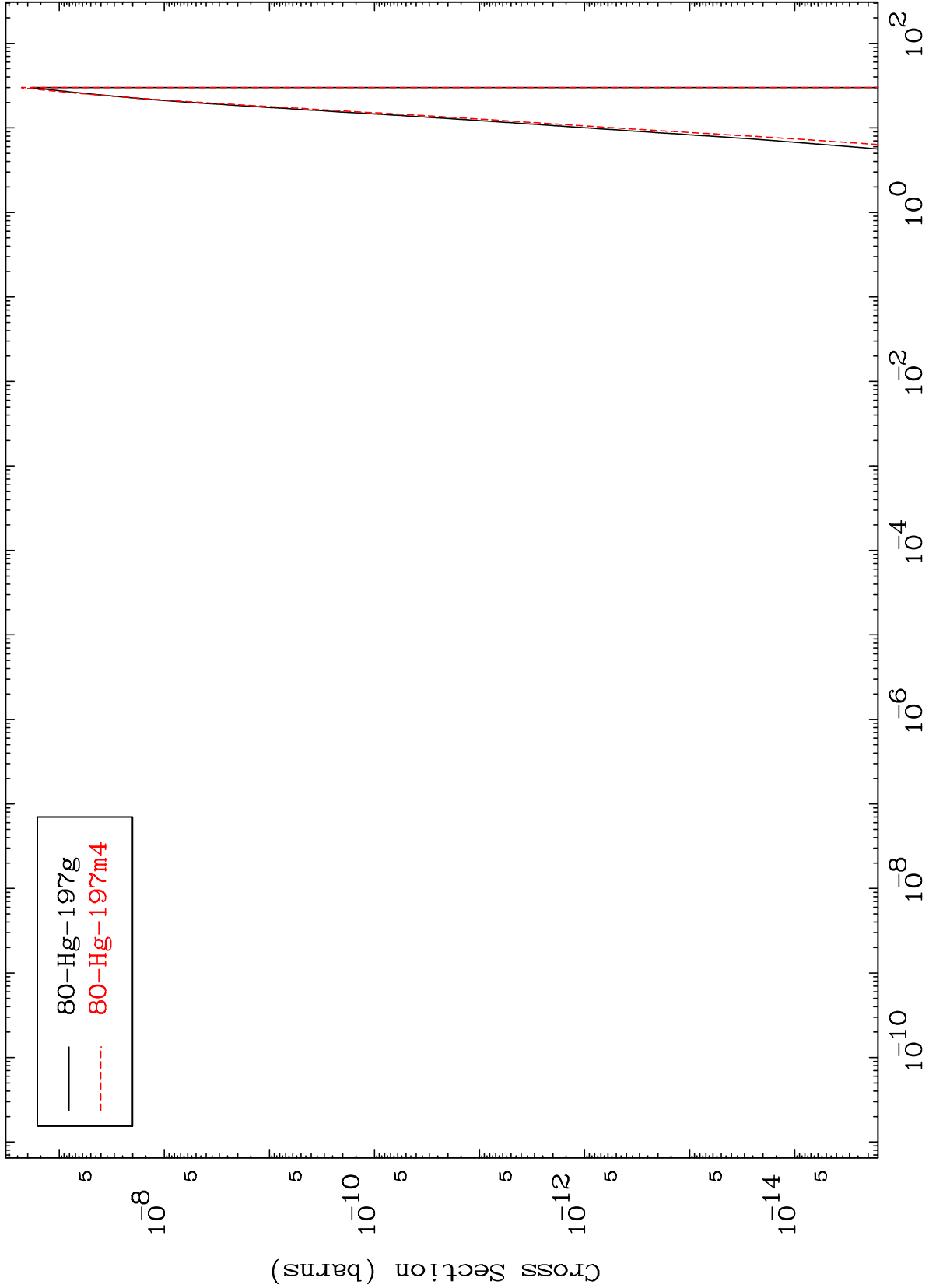
84-Po-204

MAT 8419

(n,2α)

84-Po-204

Radionuclide Production Cross Section



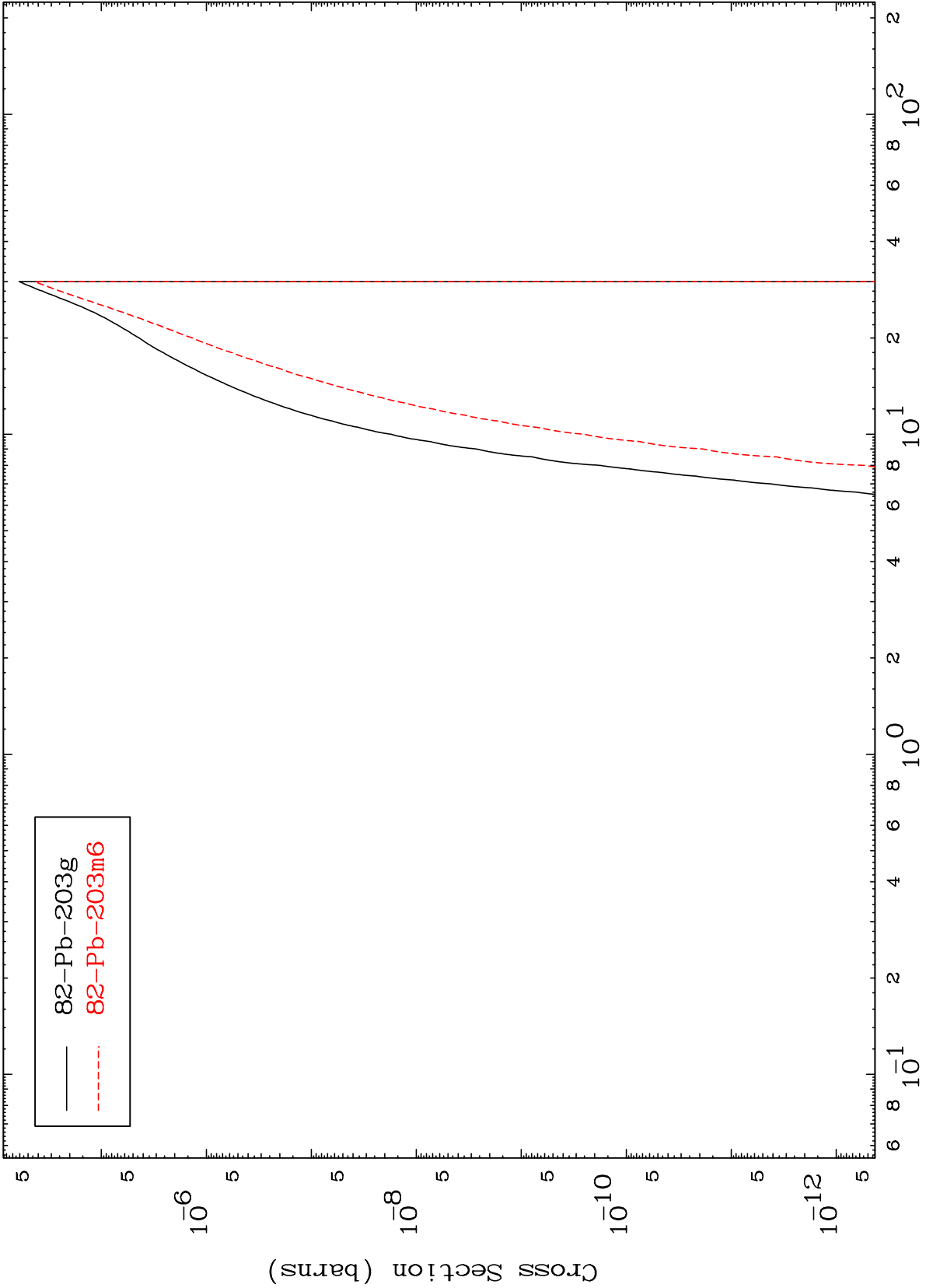
80-Hg-197g
80-Hg-197m4

MAT 8419

(n,2p)

84-Po-204

Radionuclide Production Cross Section



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

102

Incident Energy (MeV)

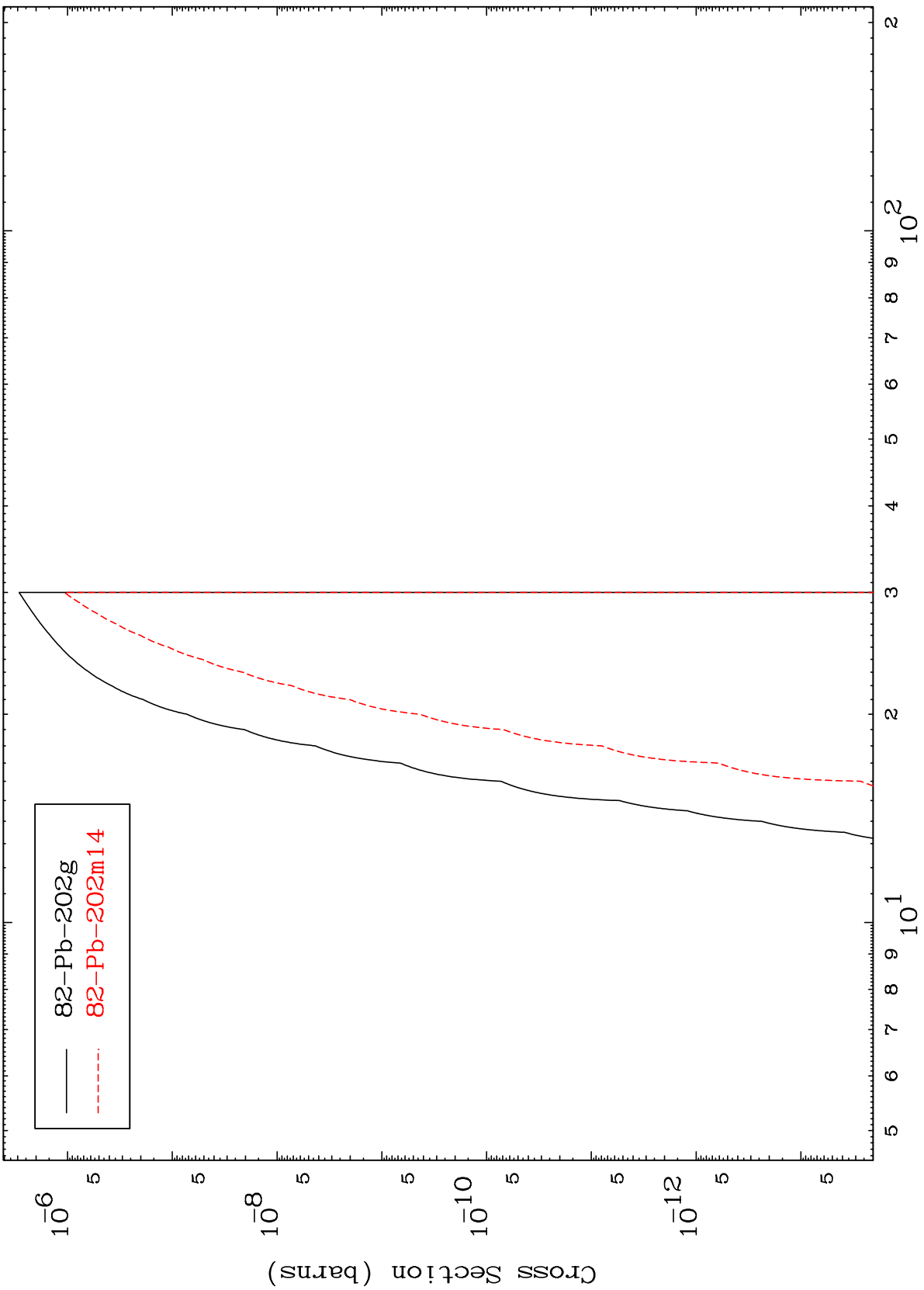
84-Po-204

MAT 8419

(n,p) d

84-Po-204

Radionuclide Production Cross Section



— 82-Pb-202g
- - - 82-Pb-202m14

103

Incident Energy (MeV)

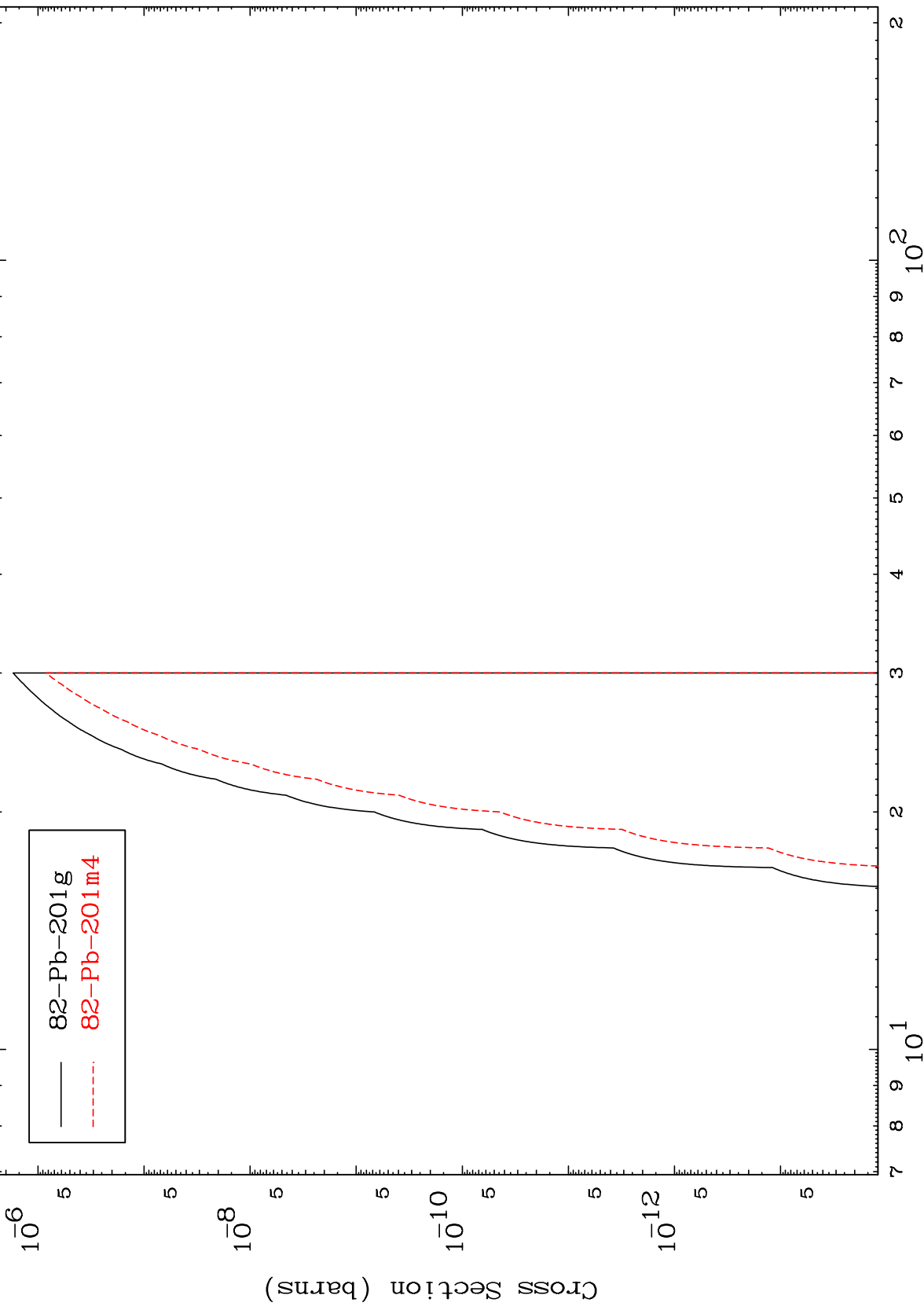
84-Po-204

MAT 8419

(n,p) t

84-Po-204

Radionuclide Production Cross Section



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

104

Incident Energy (MeV)

84-Po-204