

Program EVALPLOT
(Version 2021-1)

by

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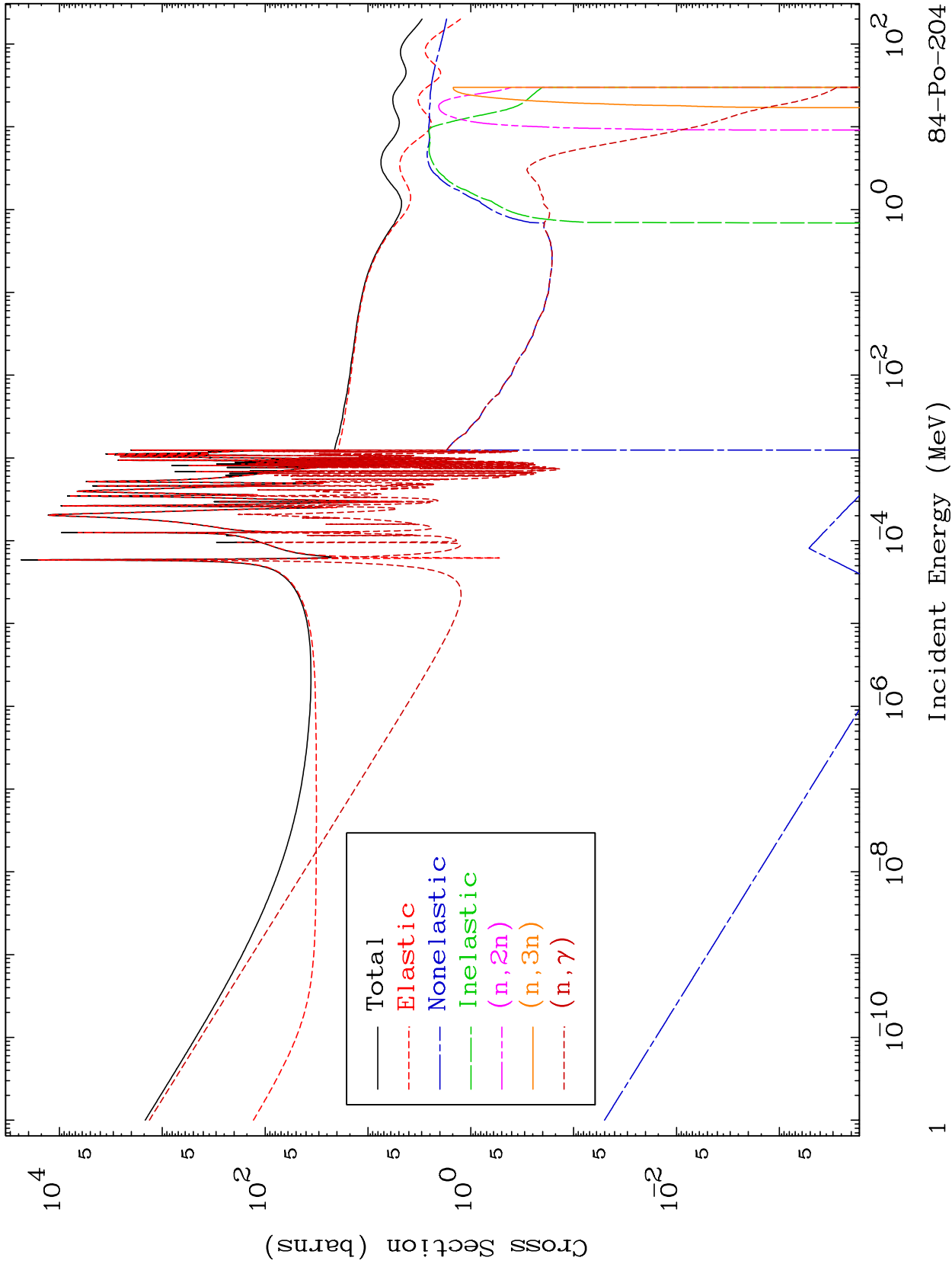
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8419

Neutron Major
293 Kelvin Cross Sections

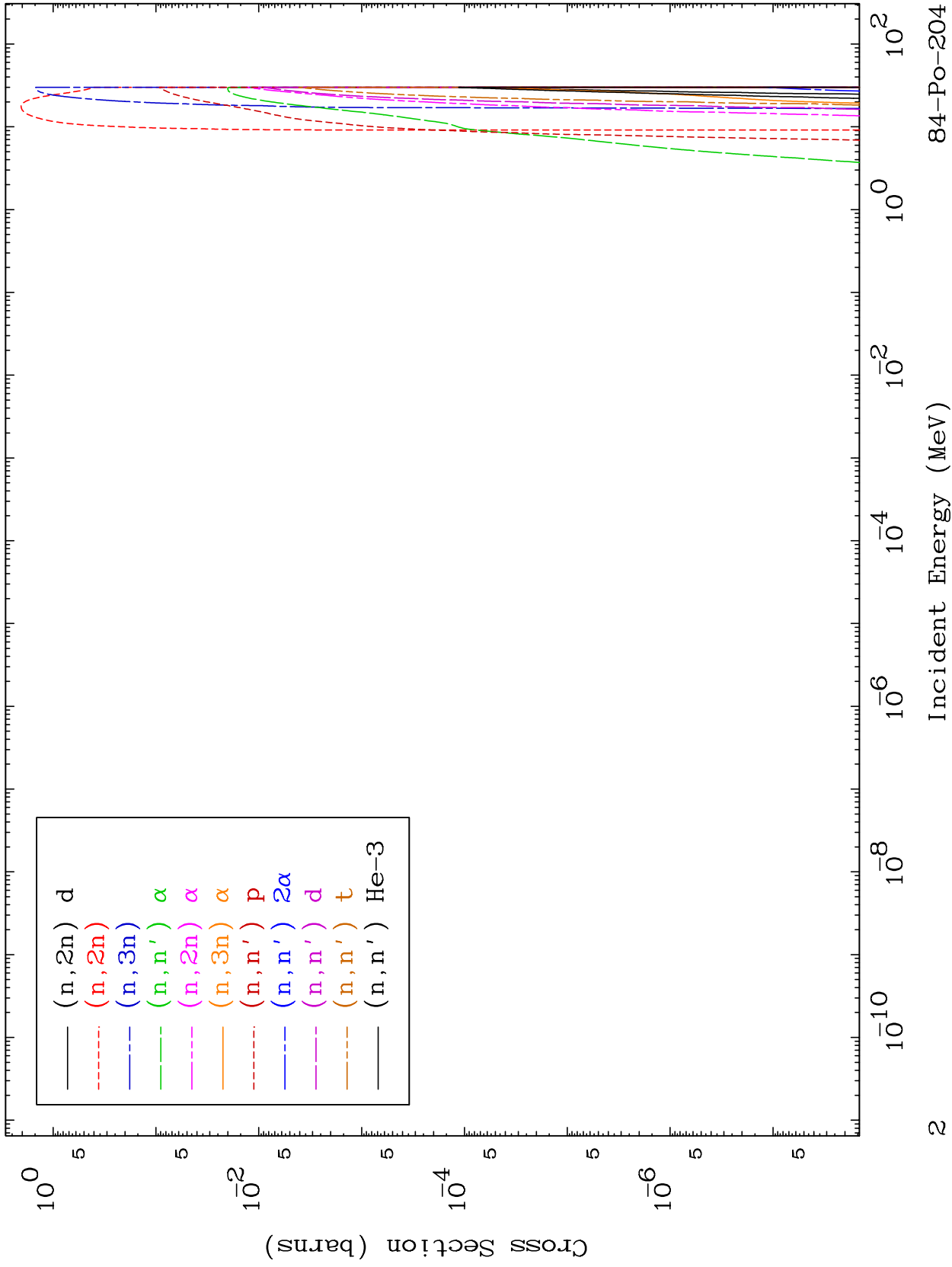
84-Po-204



MAT 8419

Neutron Absorption
293 Kelvin Cross Sections

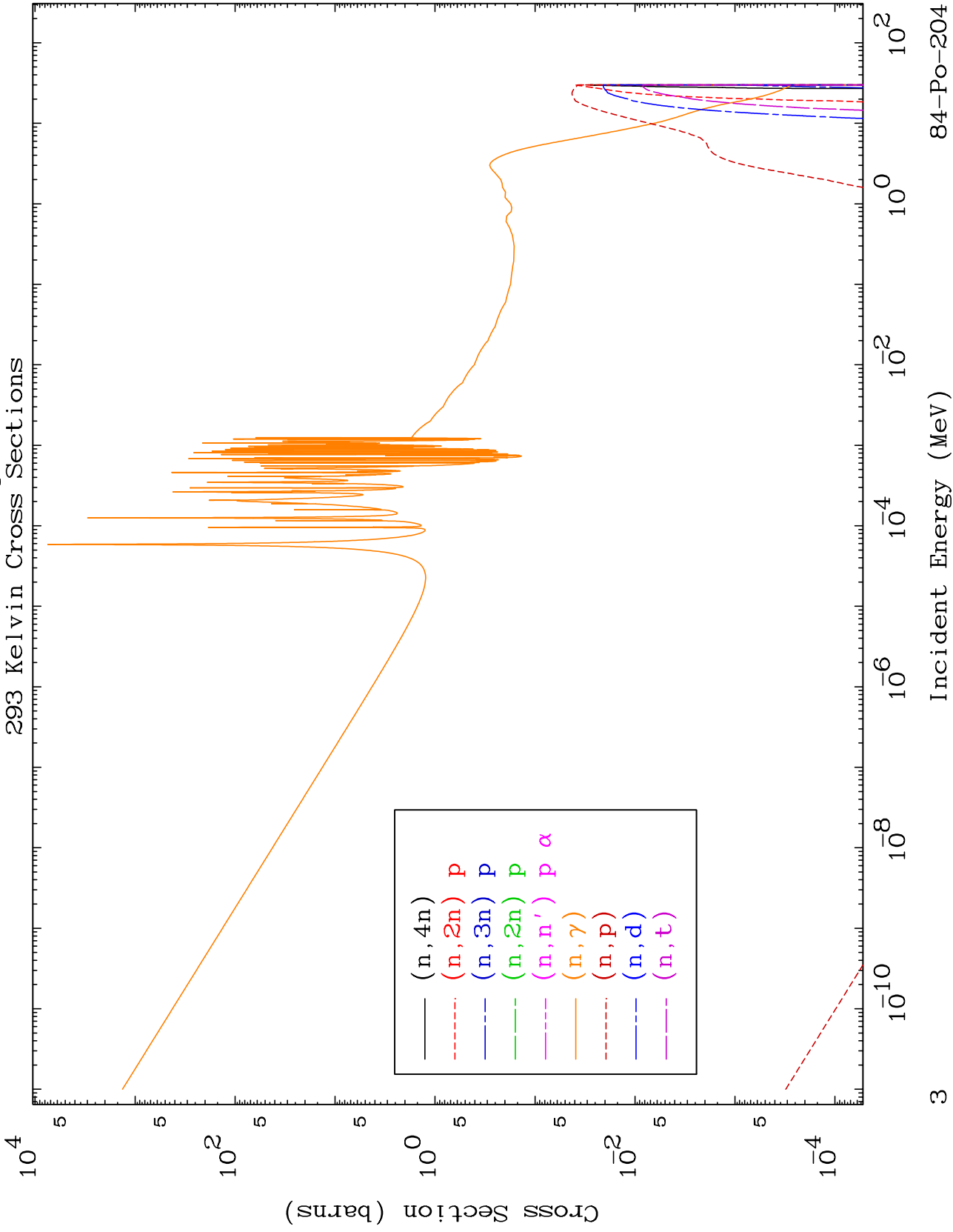
84-Po-204



MAT 8419

Neutron Absorption
293 Kelvin Cross Sections

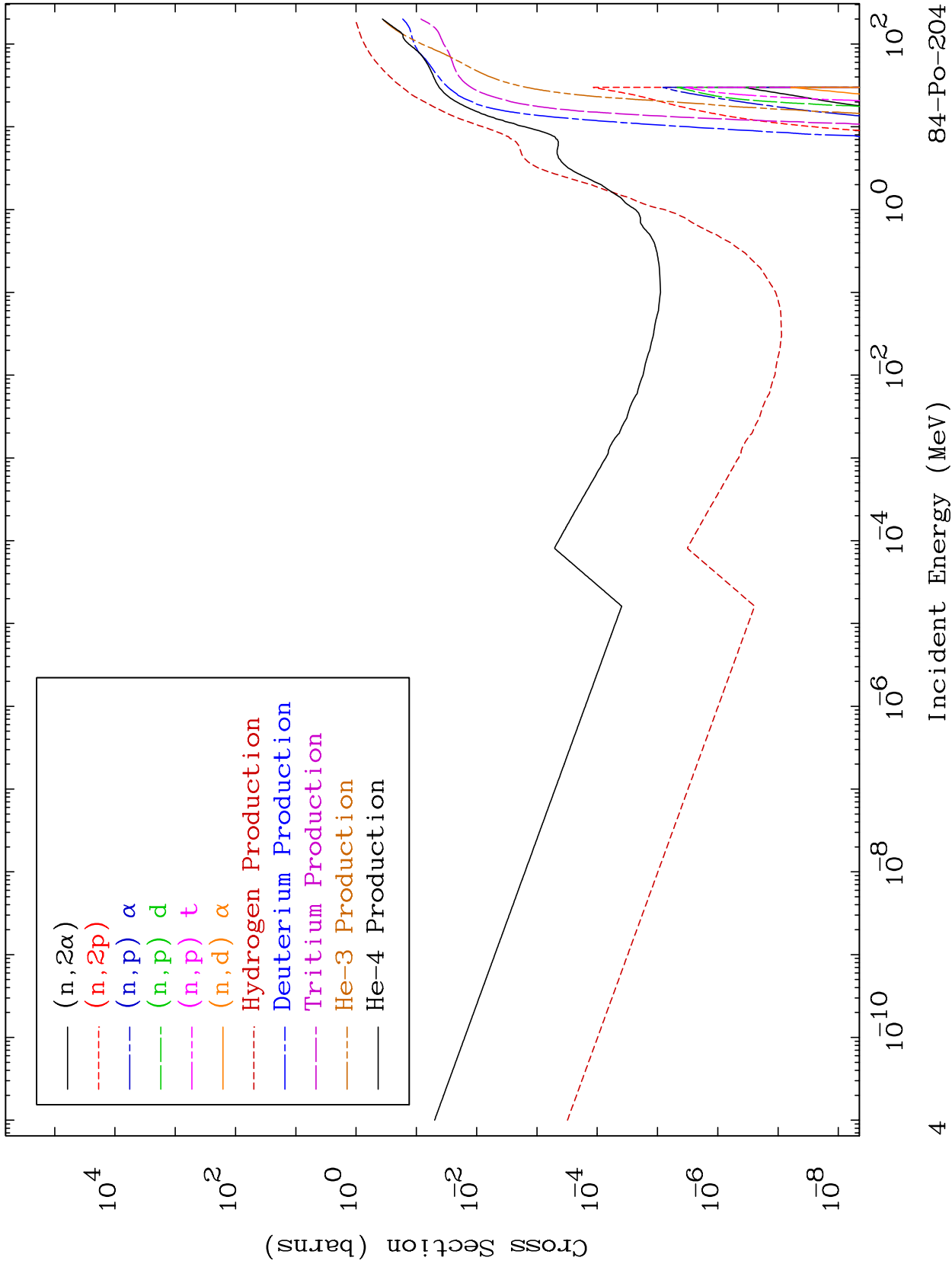
84-Po-204



MAT 8419

Neutron Absorption
293 Kelvin Cross Sections

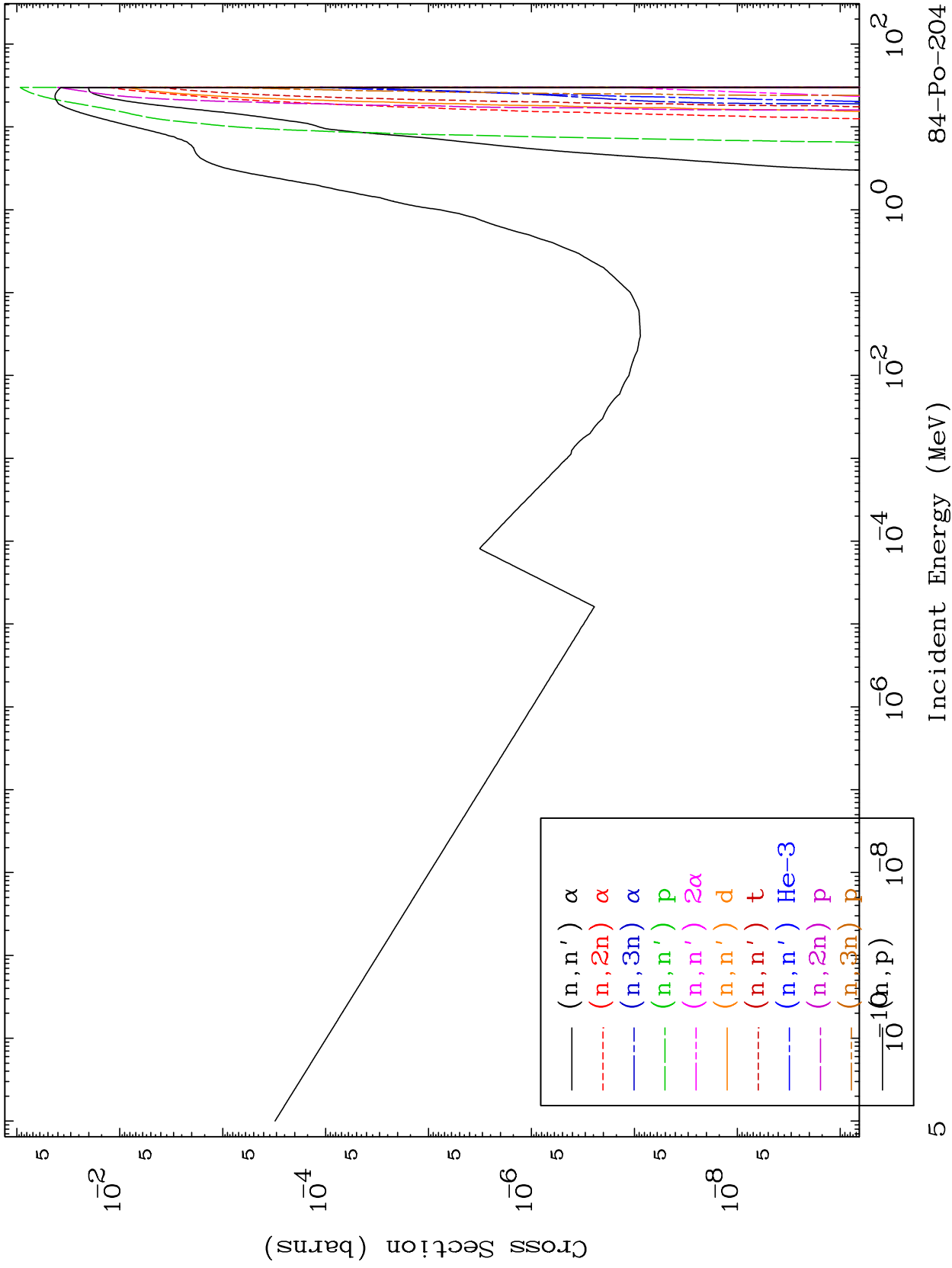
84-Po-204



MAT 8419

Charged Particle
293 Kelvin Cross Sections

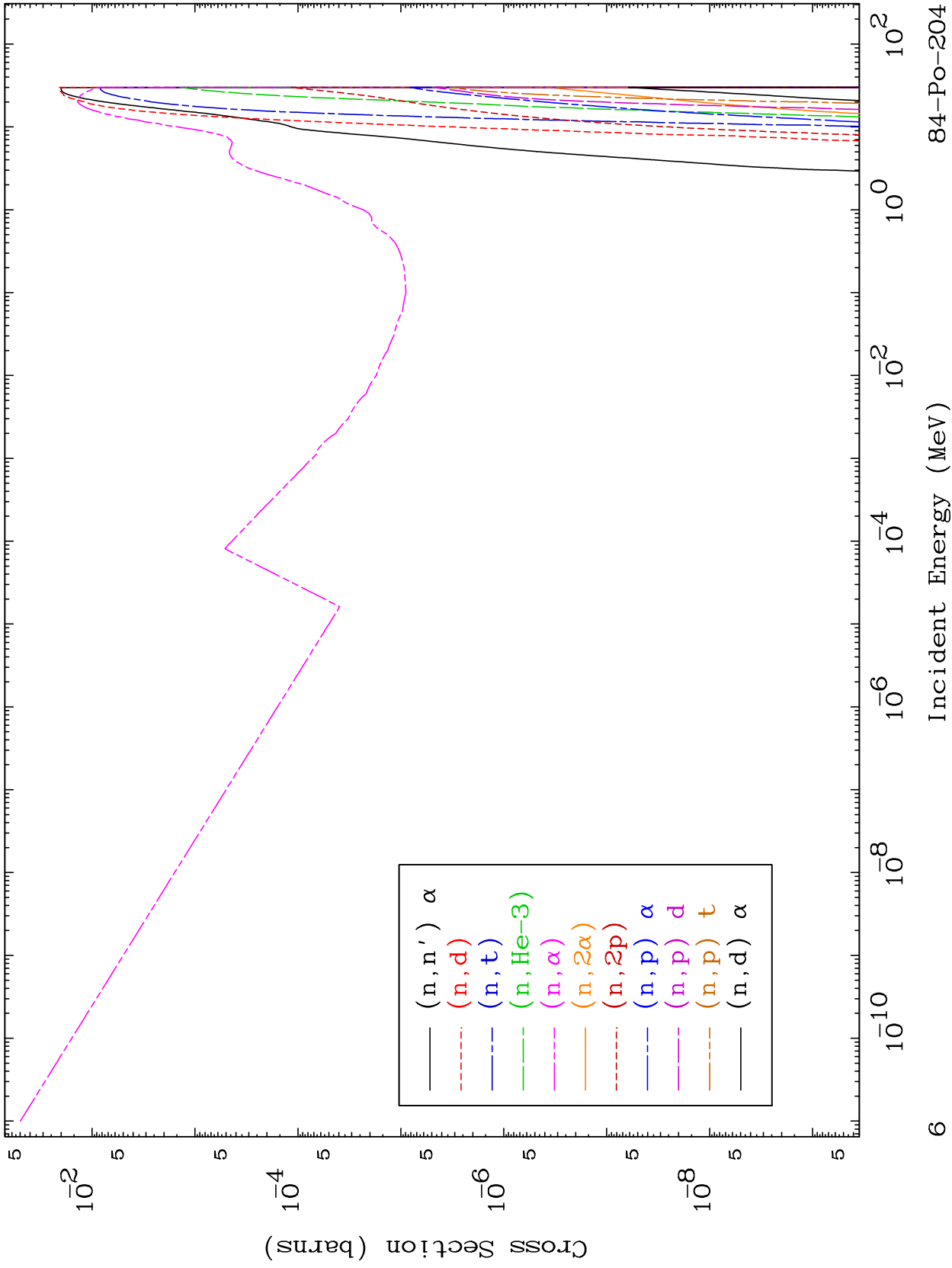
84-Po-204



MAT 8419

Charged Particle
293 Kelvin Cross Sections

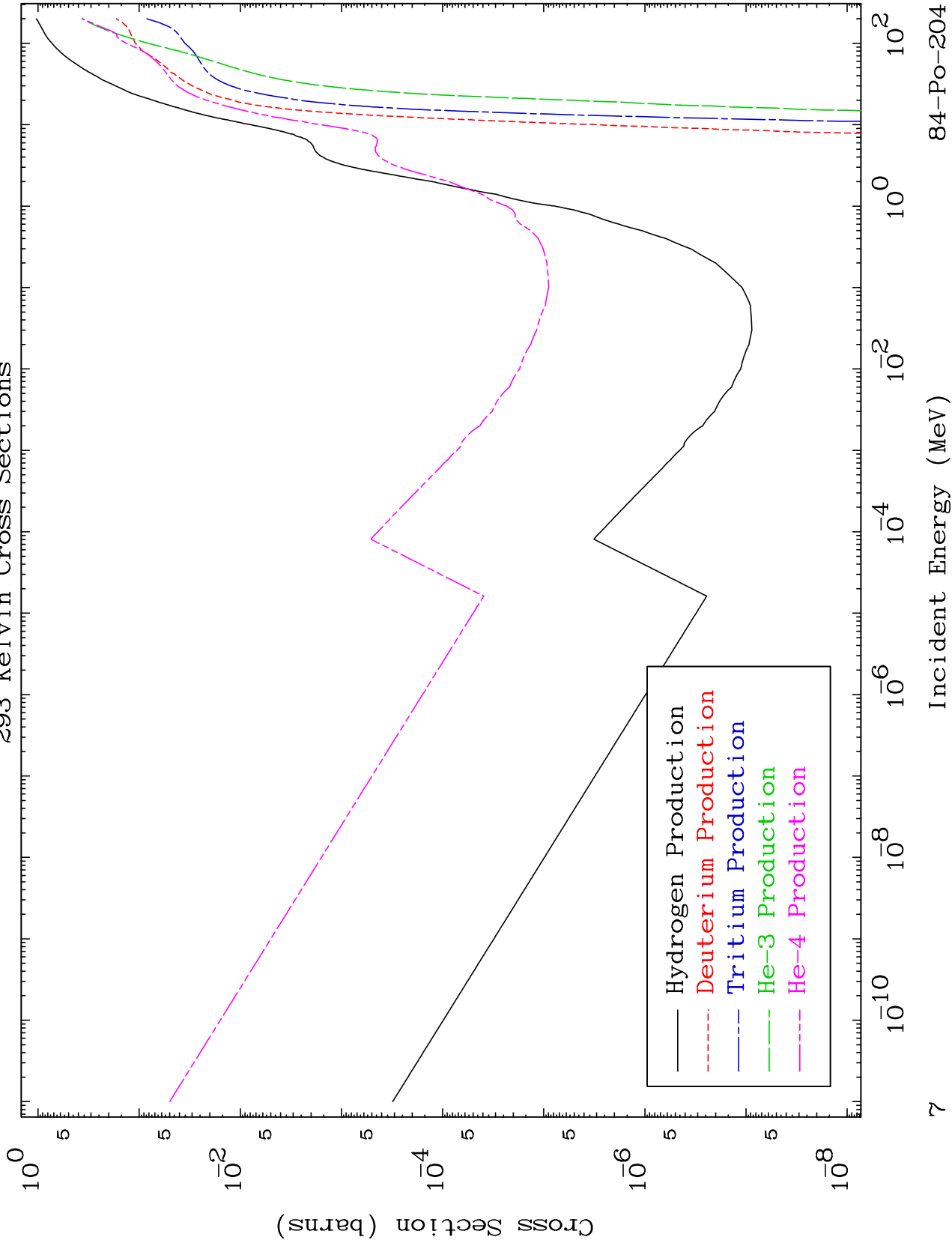
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MAT 8419

Particle Production
293 Kelvin Cross Sections

84-Po-204

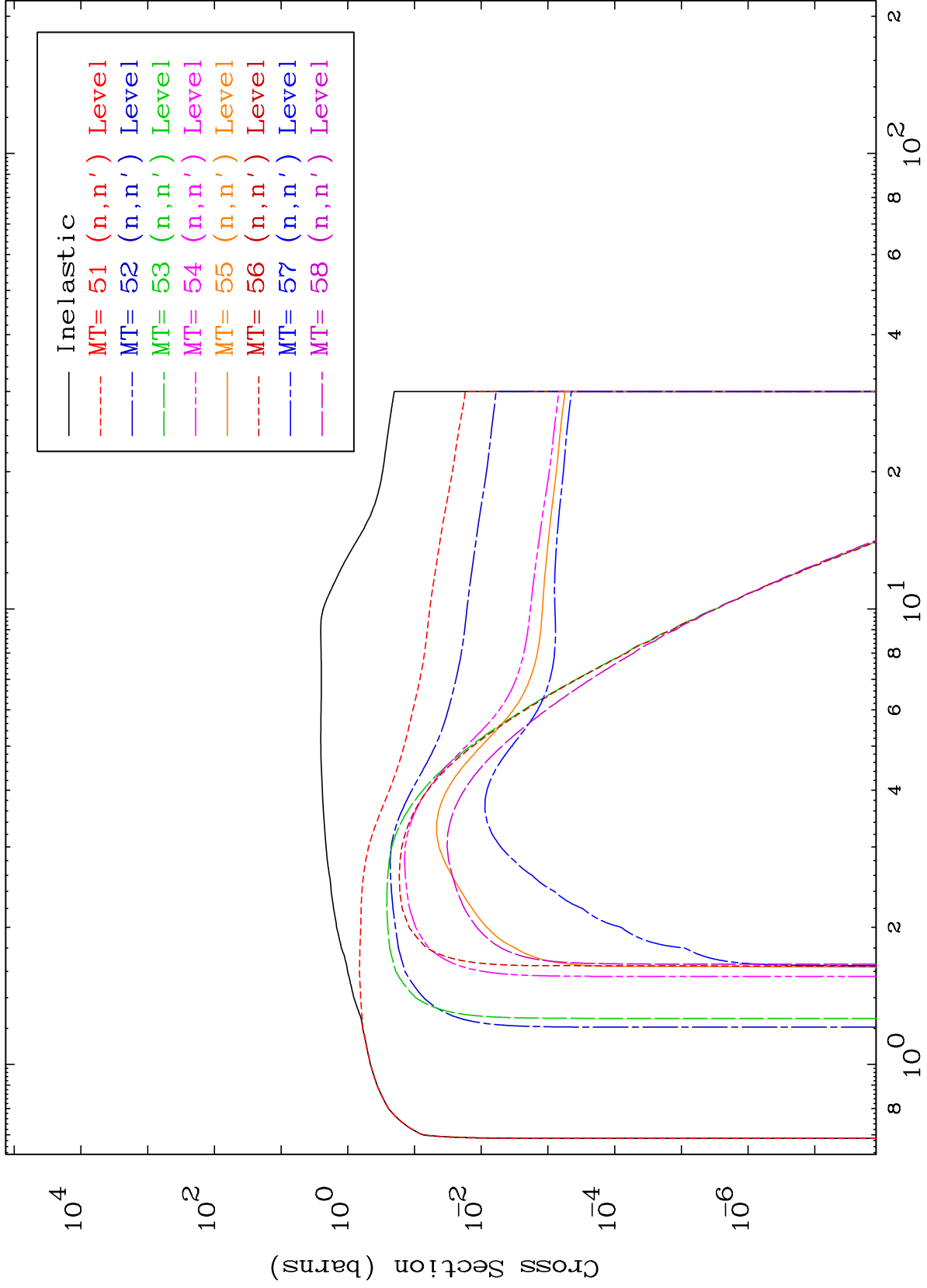


MAT 8419

(n,n') Levels

84-Po-204

293 Kelvin Cross Sections



8

Incident Energy (MeV)

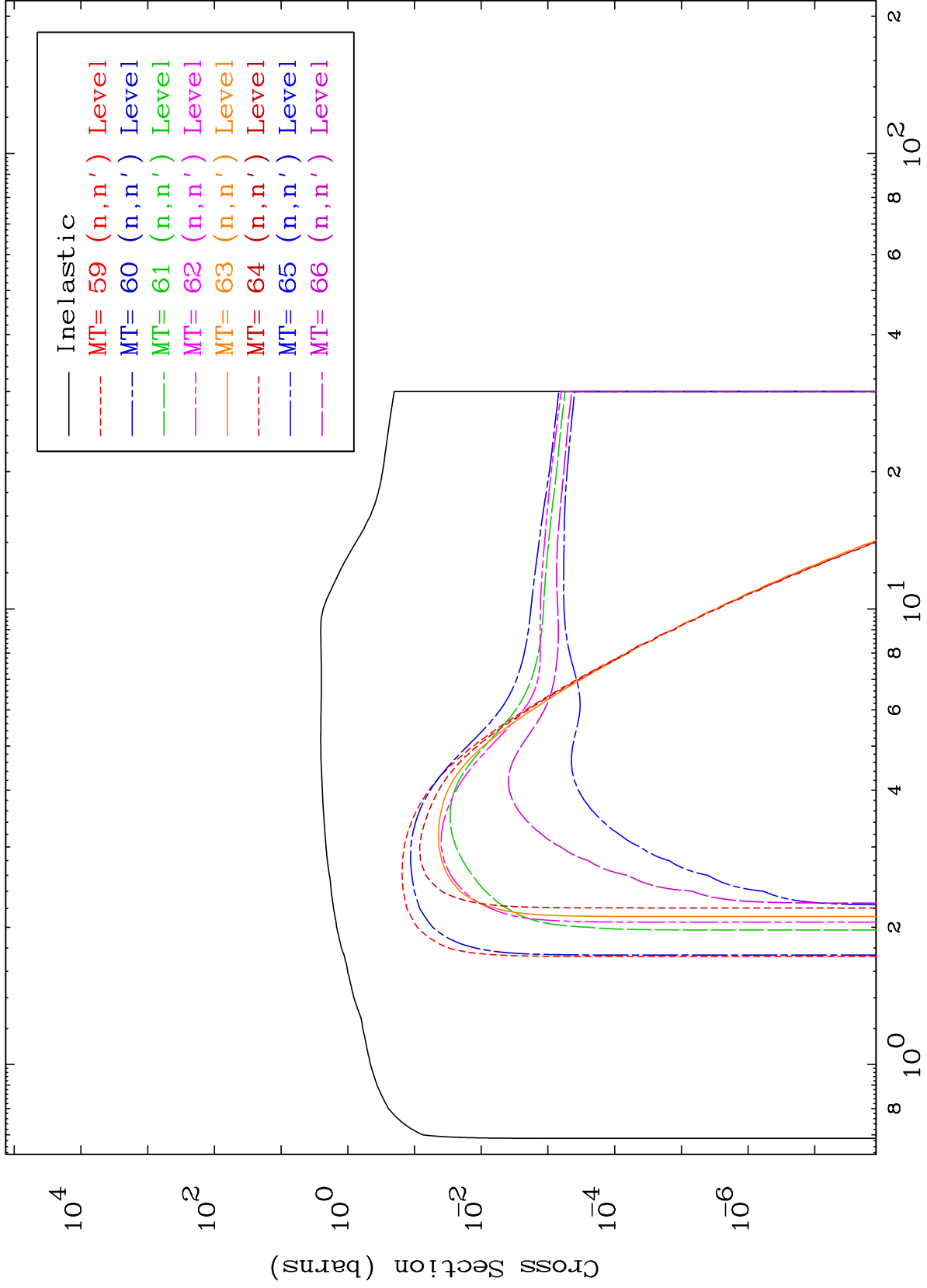
84-Po-204

MAT 8419

(n,n') Levels

84-Po-204

293 Kelvin Cross Sections



9

Incident Energy (MeV)

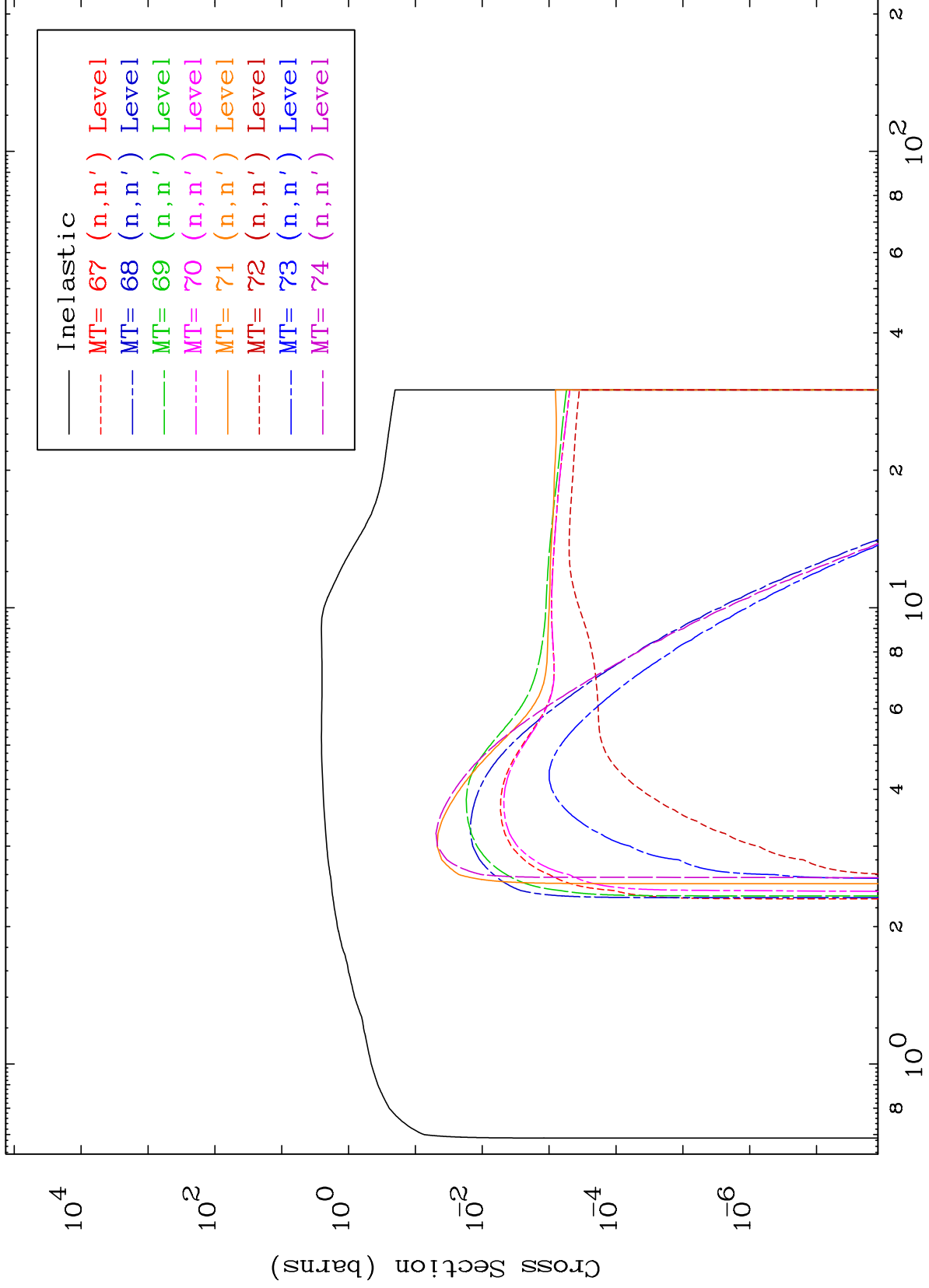
84-Po-204

MAT 8419

(n,n') Levels

84-Po-204

293 Kelvin Cross Sections



10

Incident Energy (MeV)

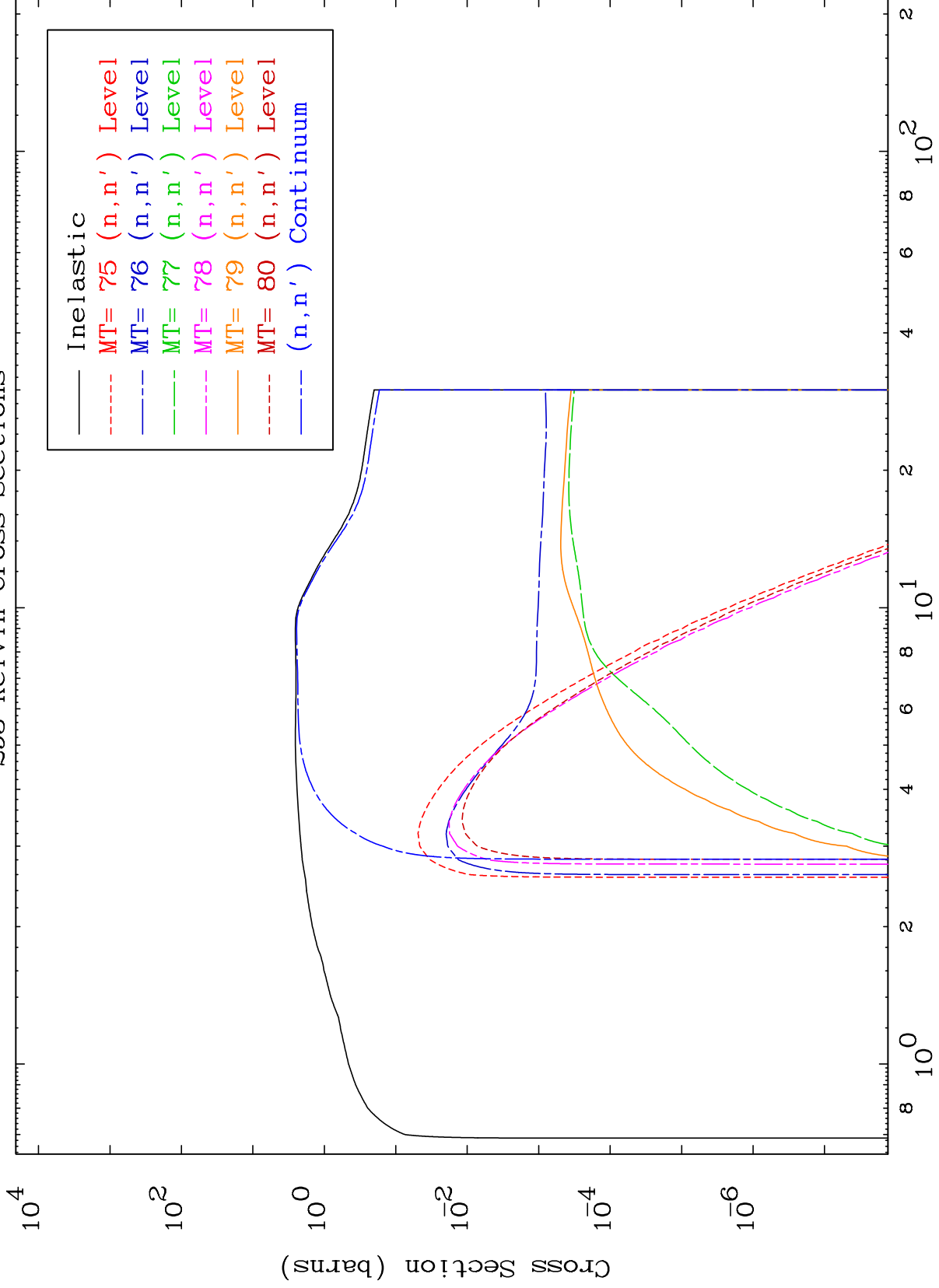
84-Po-204

MAT 8419

(n,n') Levels

84-Po-204

293 Kelvin Cross Sections



11

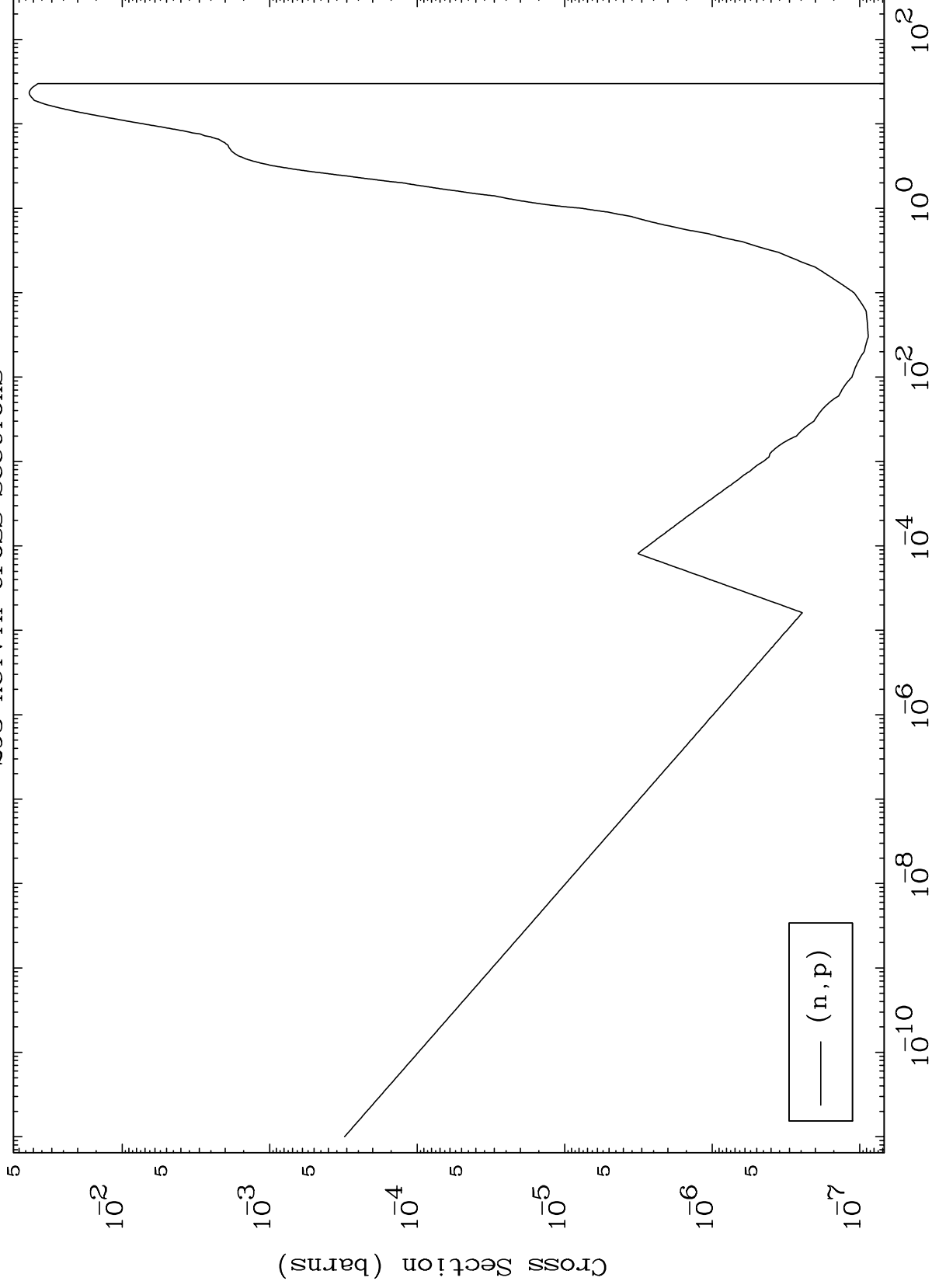
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,p) Levels
293 Kelvin Cross Sections

84-Po-204



12

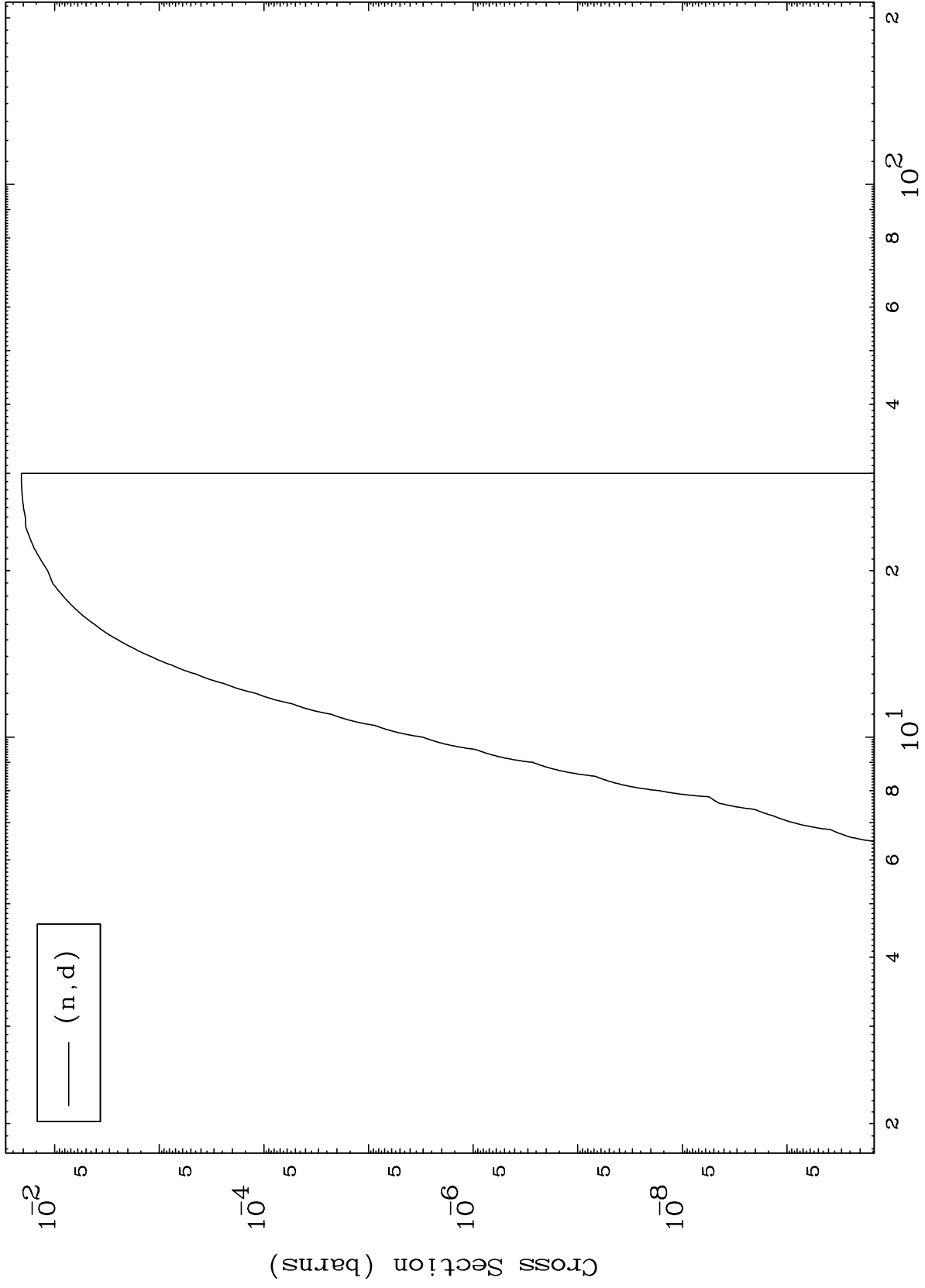
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,d) Levels
293 Kelvin Cross Sections

84-Po-204



13

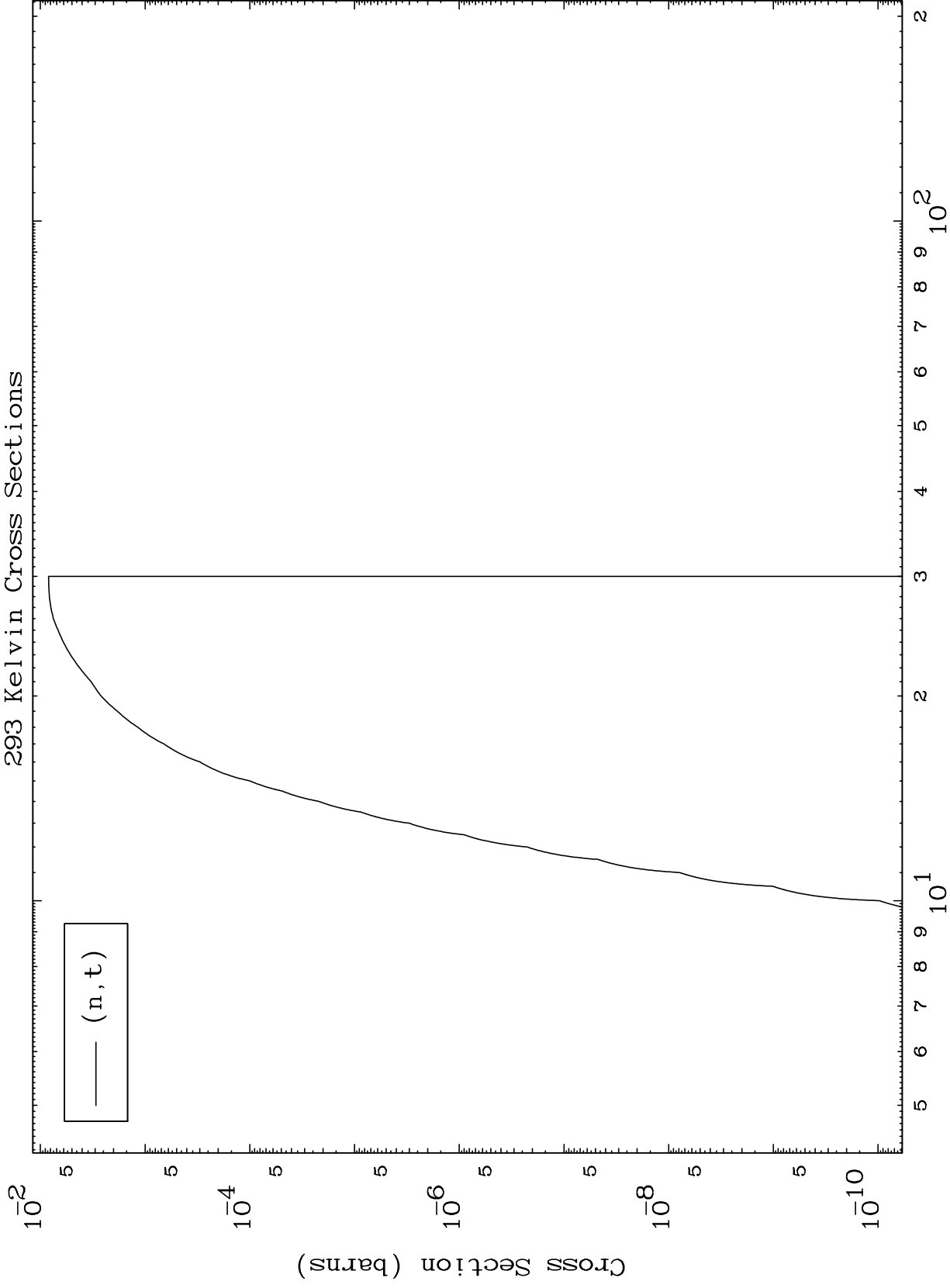
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,t) Levels
293 Kelvin Cross Sections

84-Po-204



14

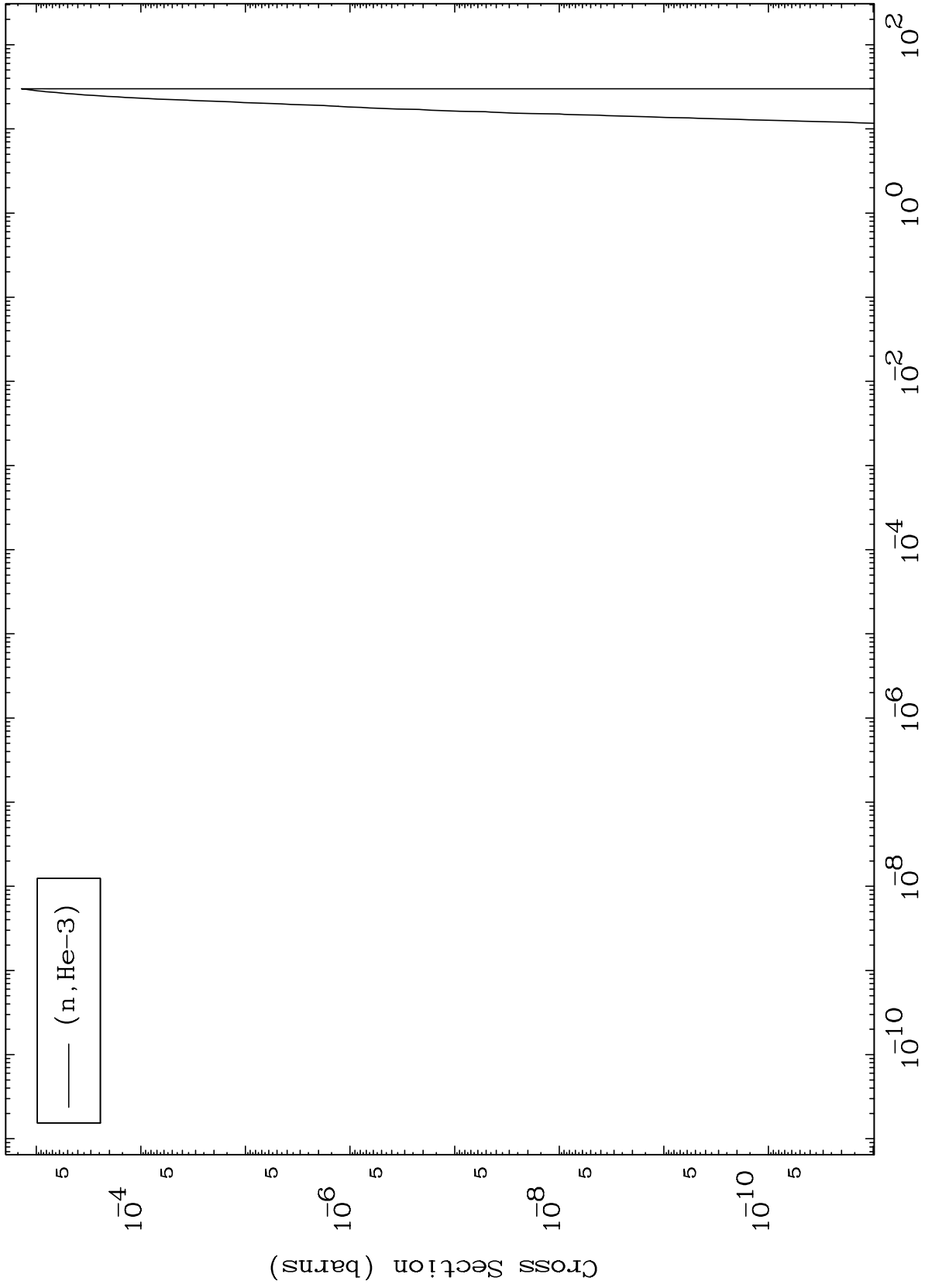
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,He3) Levels
293 Kelvin Cross Sections

84-Po-204



15

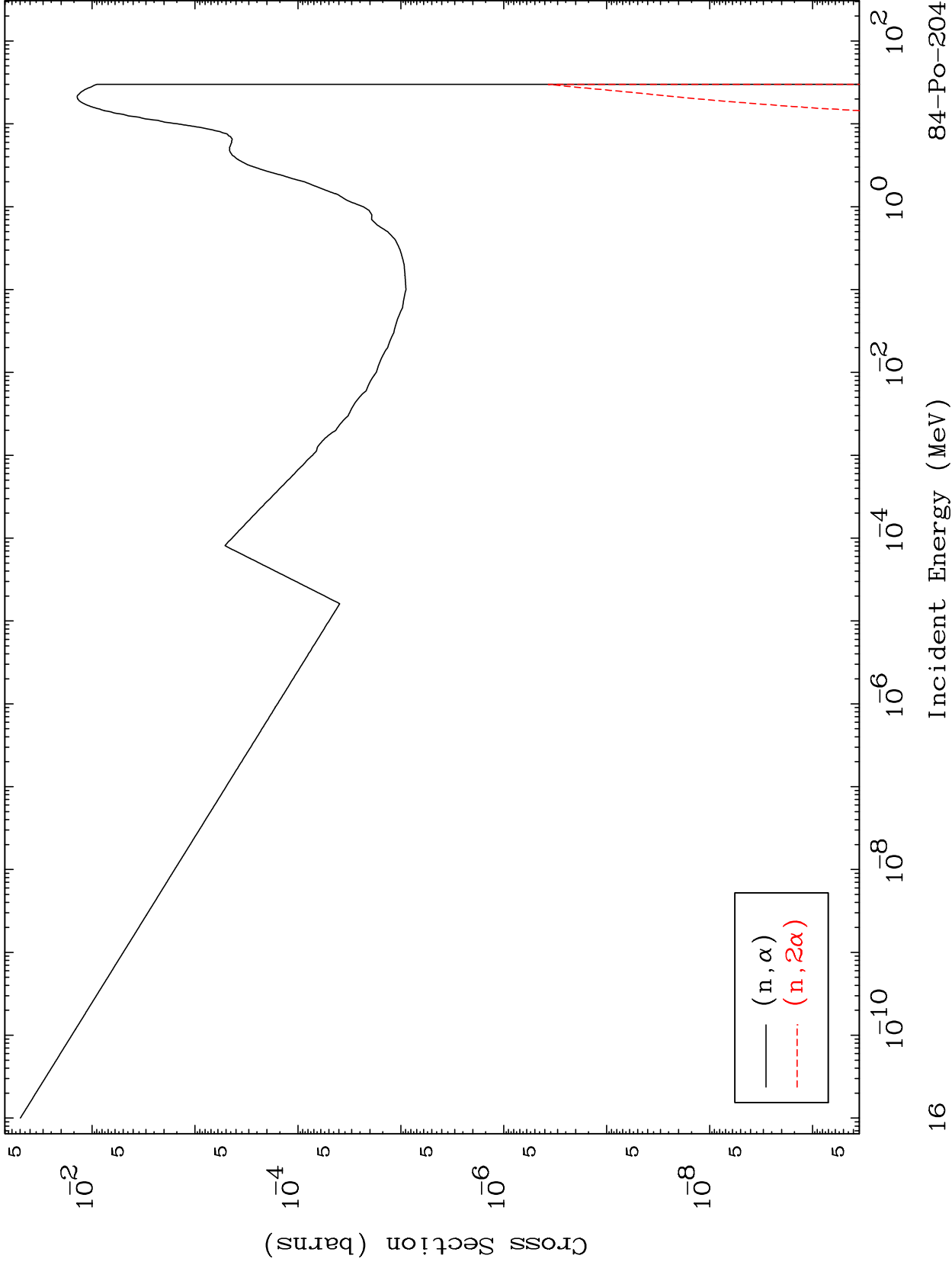
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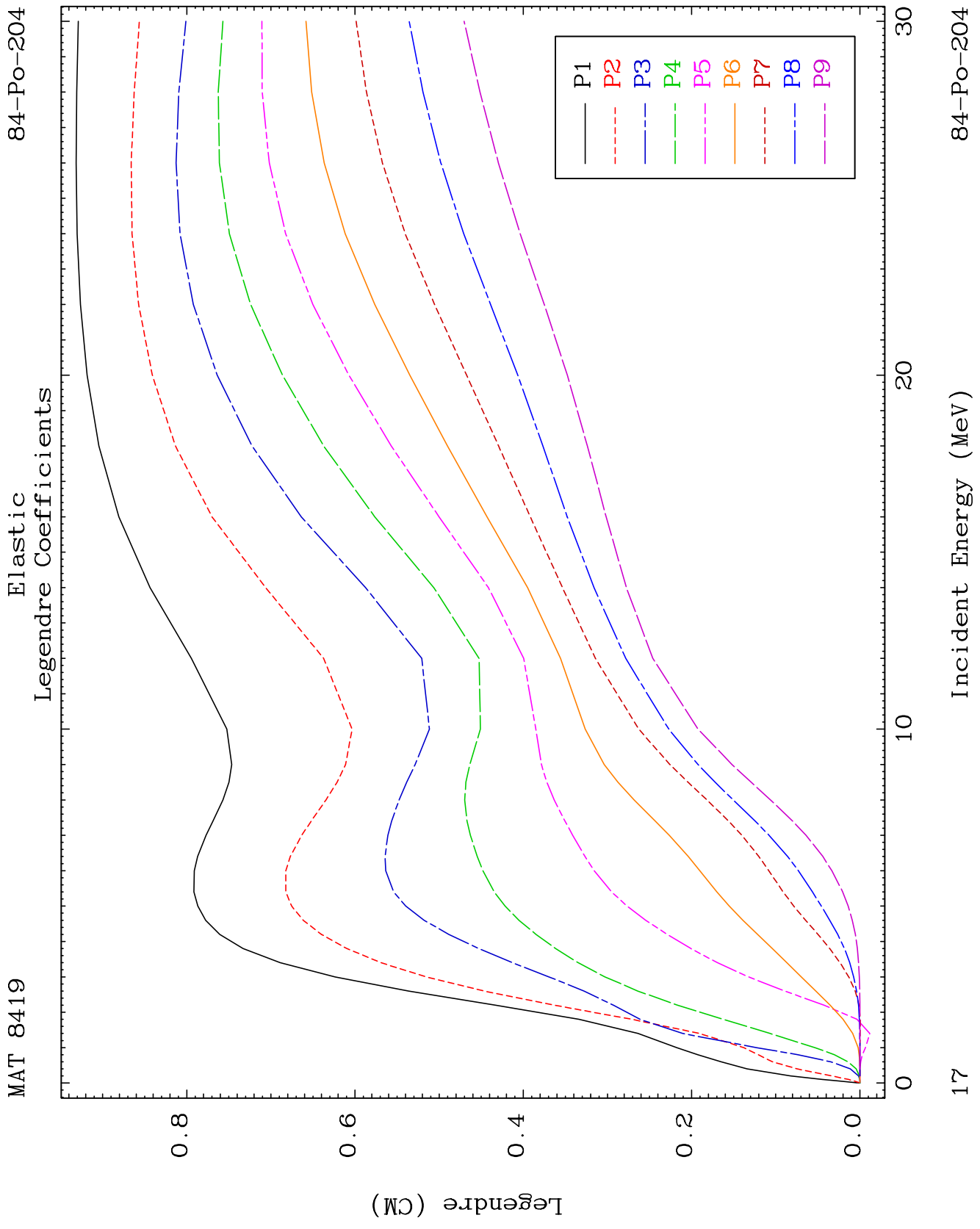
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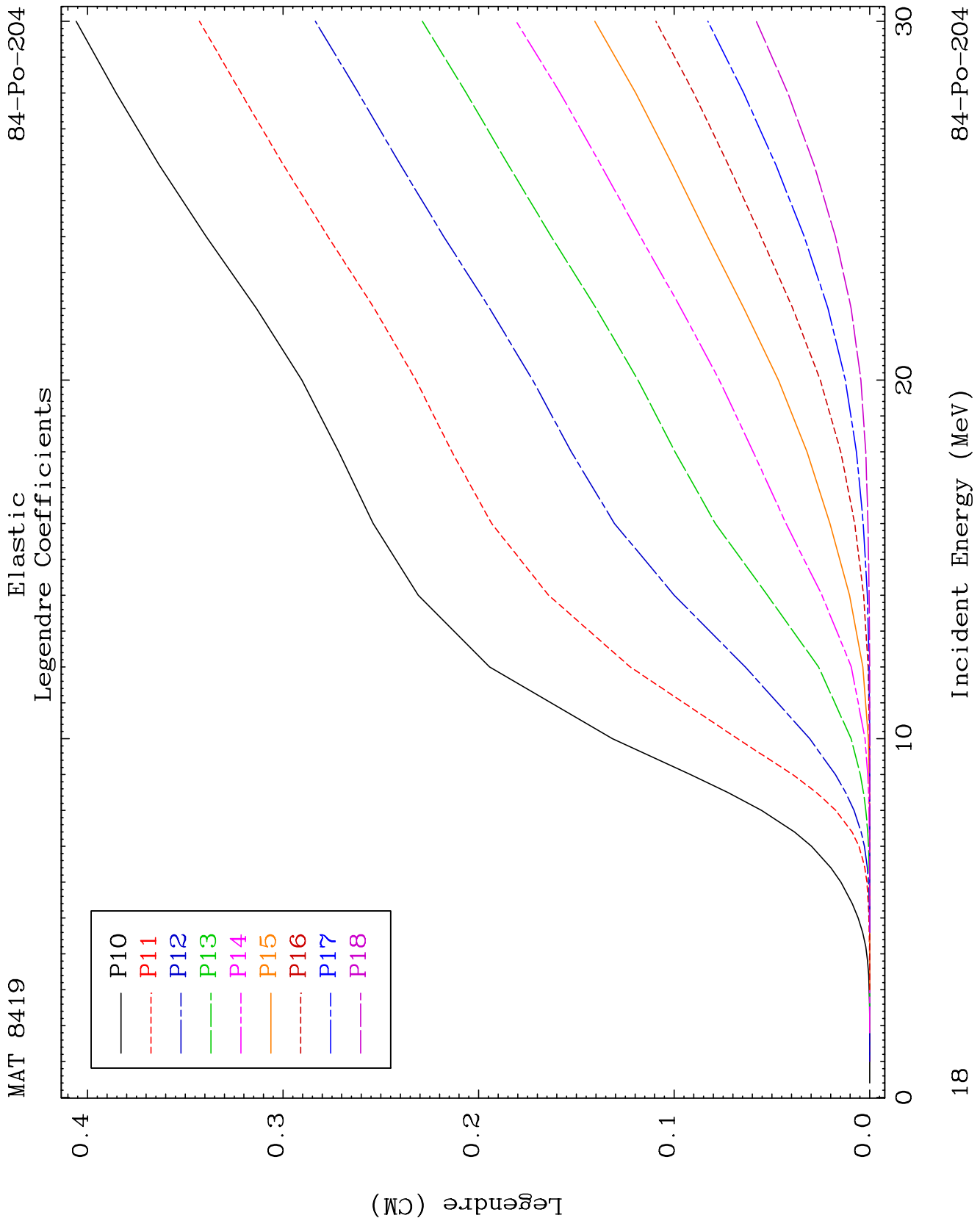
MAT 8419

(n,α) Levels
293 Kelvin Cross Sections

84-Po-204



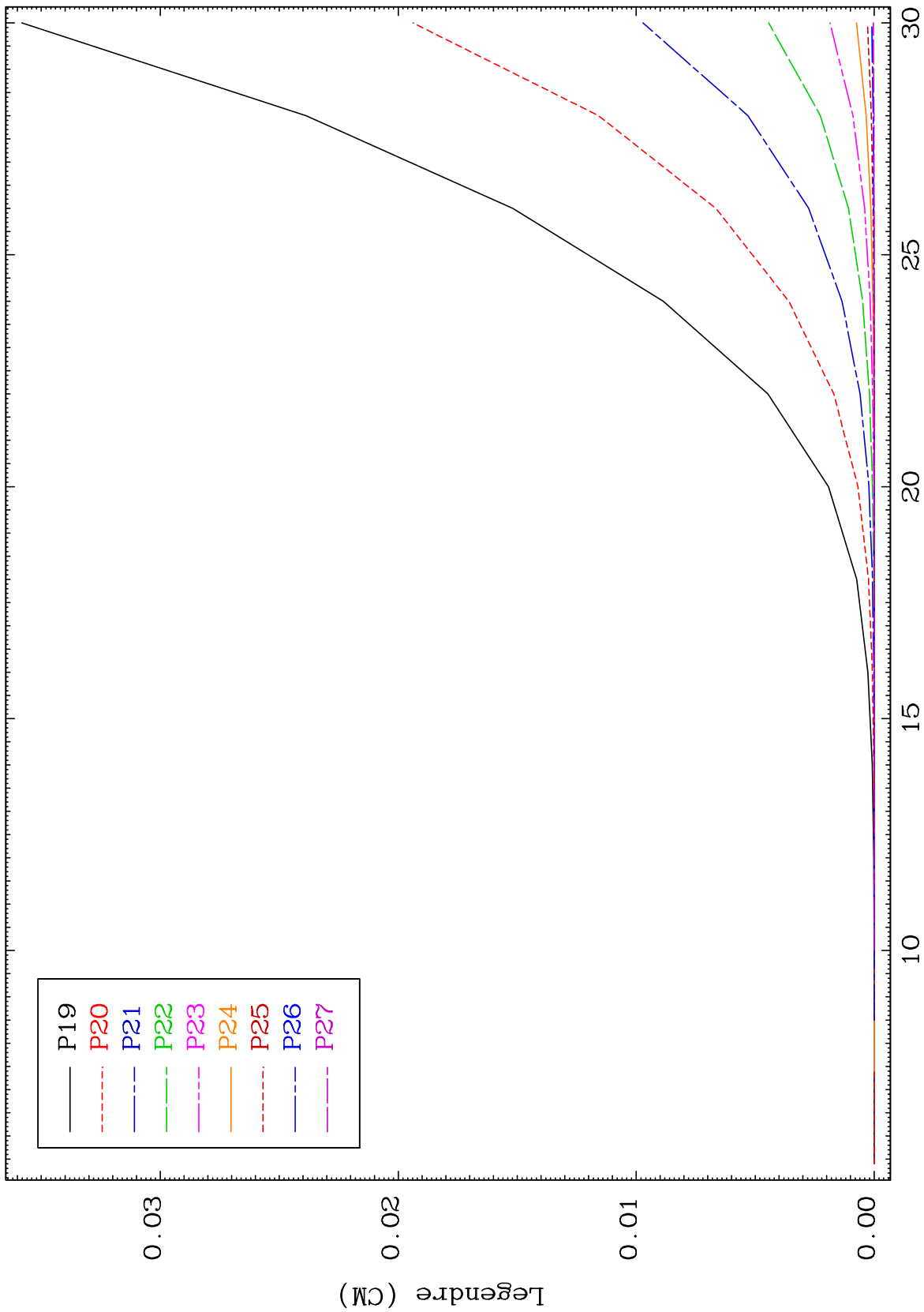




MAT 8419

Elastic Legendre Coefficients

84-Po-204



19

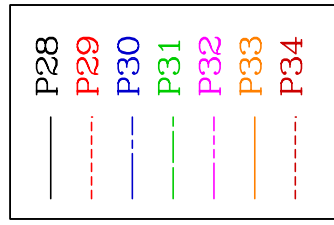
Incident Energy (MeV)

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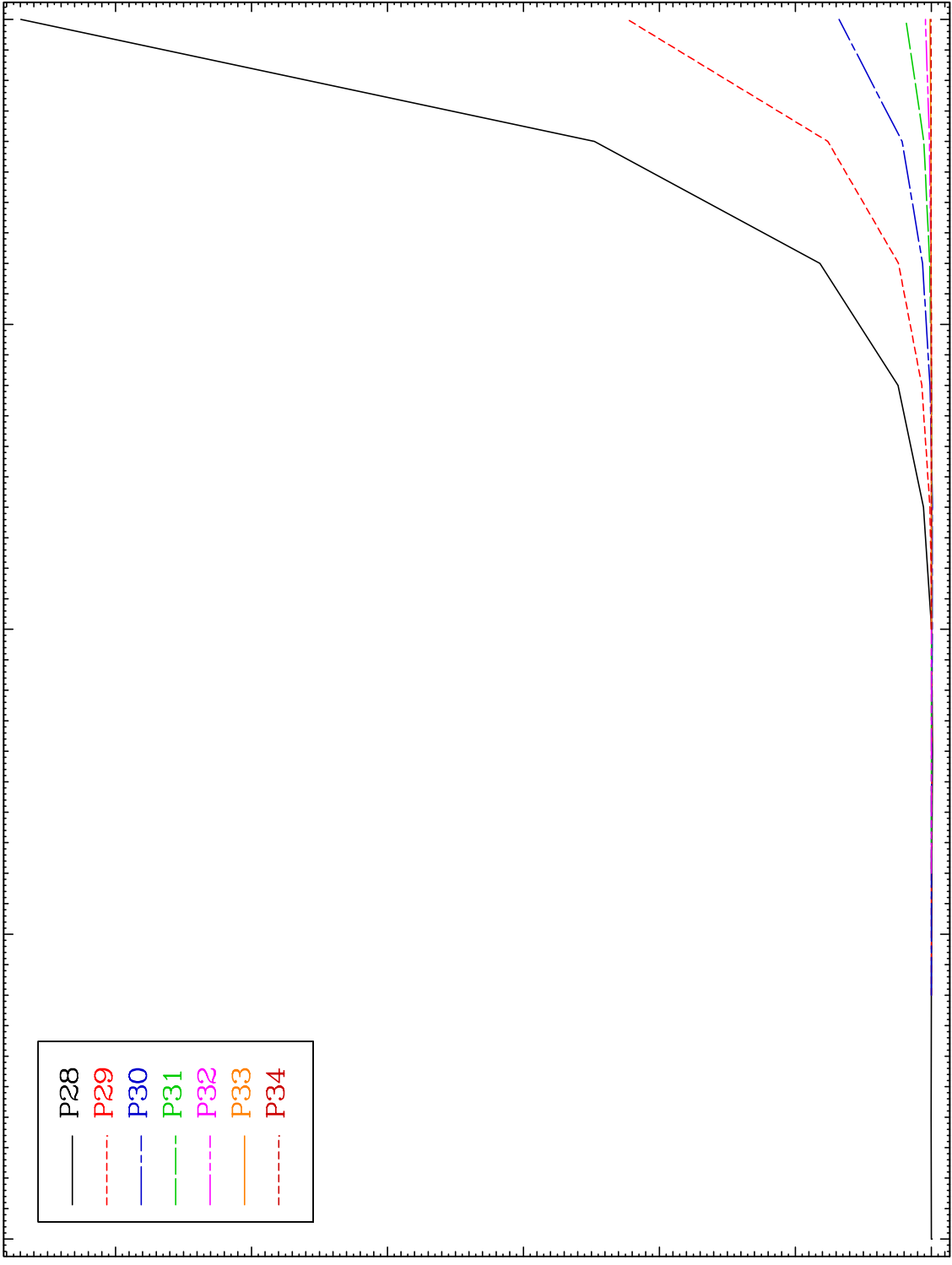
MAT 8419

Elastic Legendre Coefficients

84-Po-204



$\times 10^{-5}$
1.2
1.0
0.8
0.6
0.4
0.2
0.0

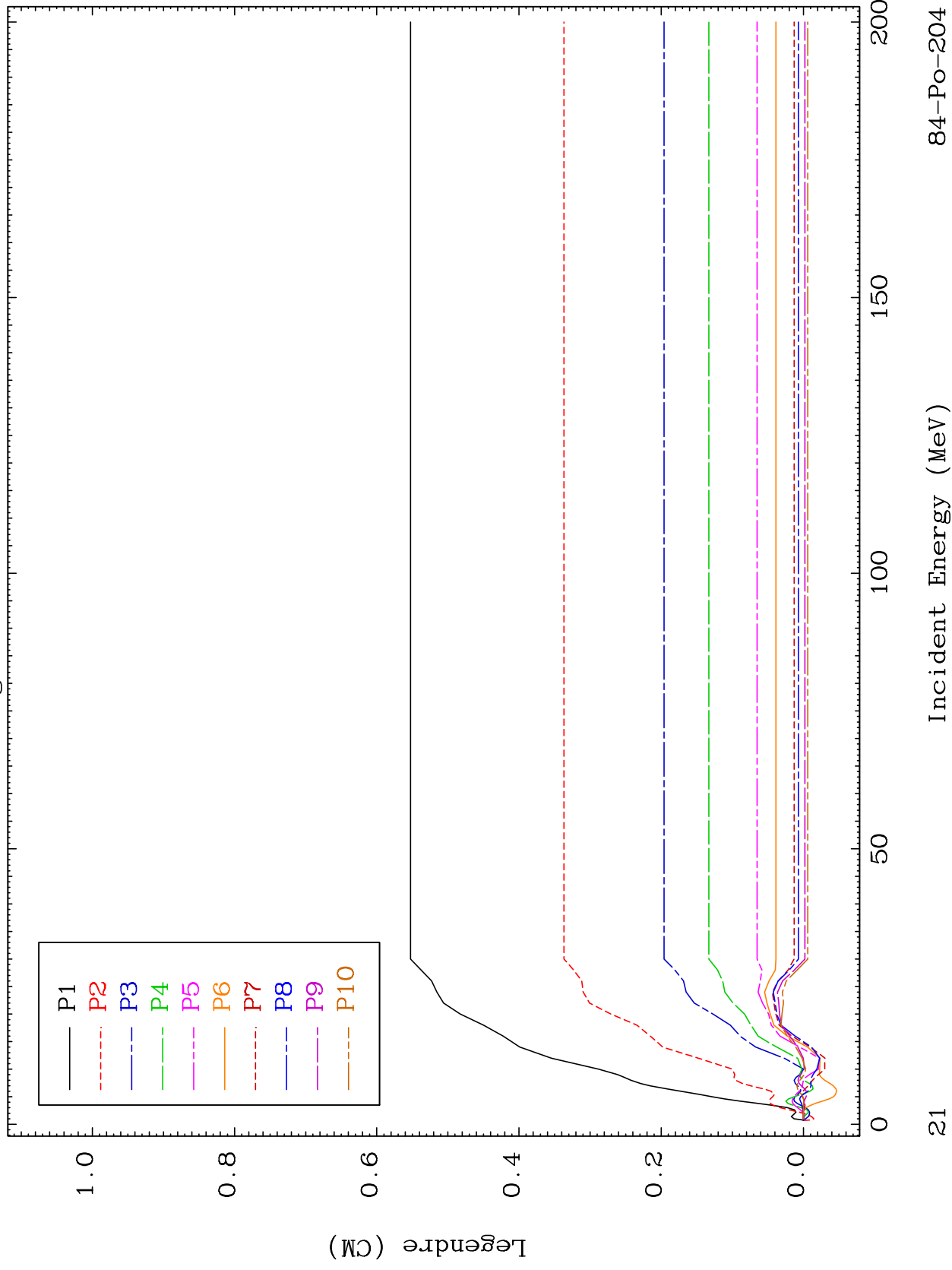


10 15 20 25 30
Incident Energy (MeV)
84-Po-204

MAT 8419

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

84-Po-204



21

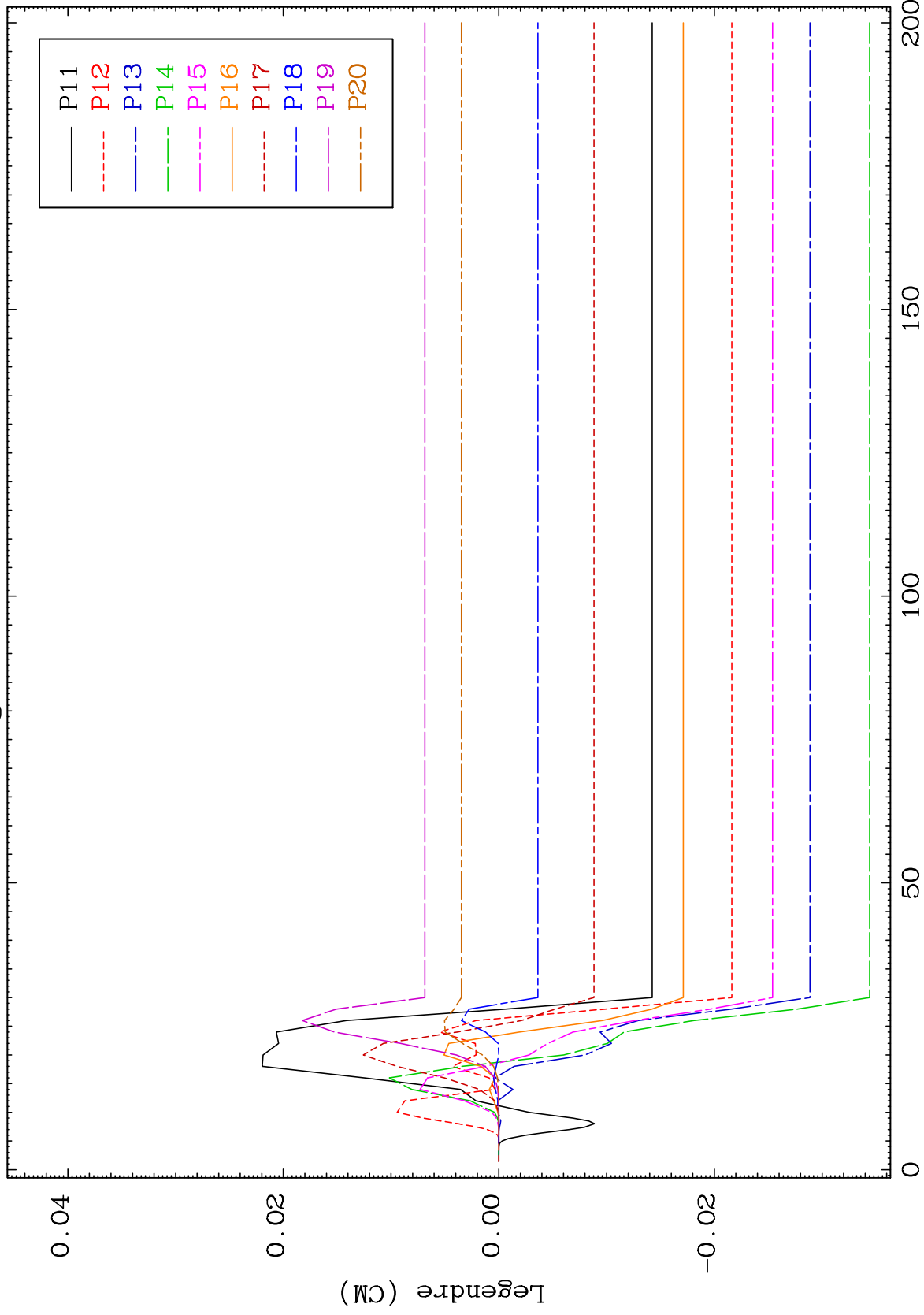
Incident Energy (MeV)

84-Po-204

MAT 8419

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

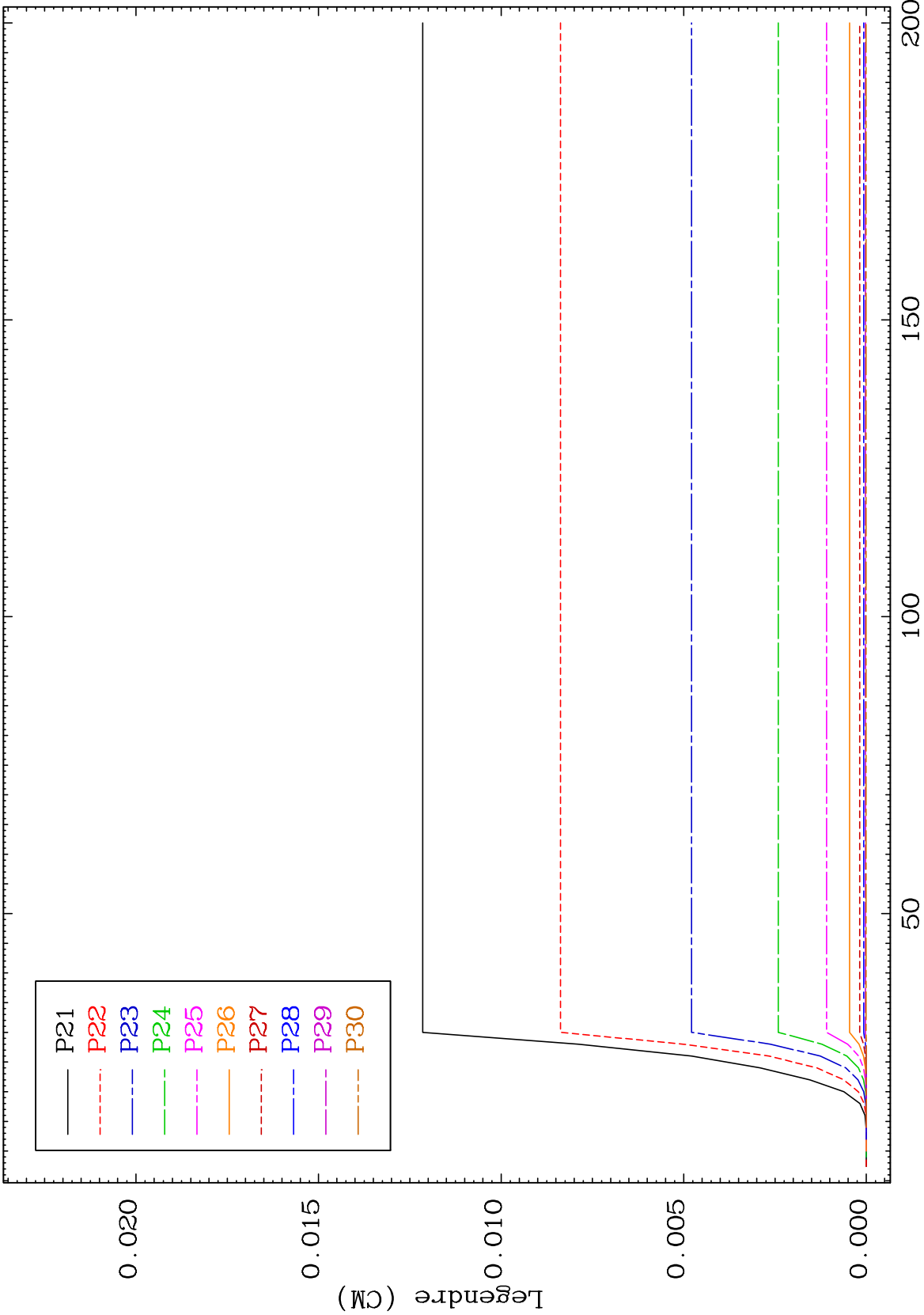
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22

Incident Energy (MeV)

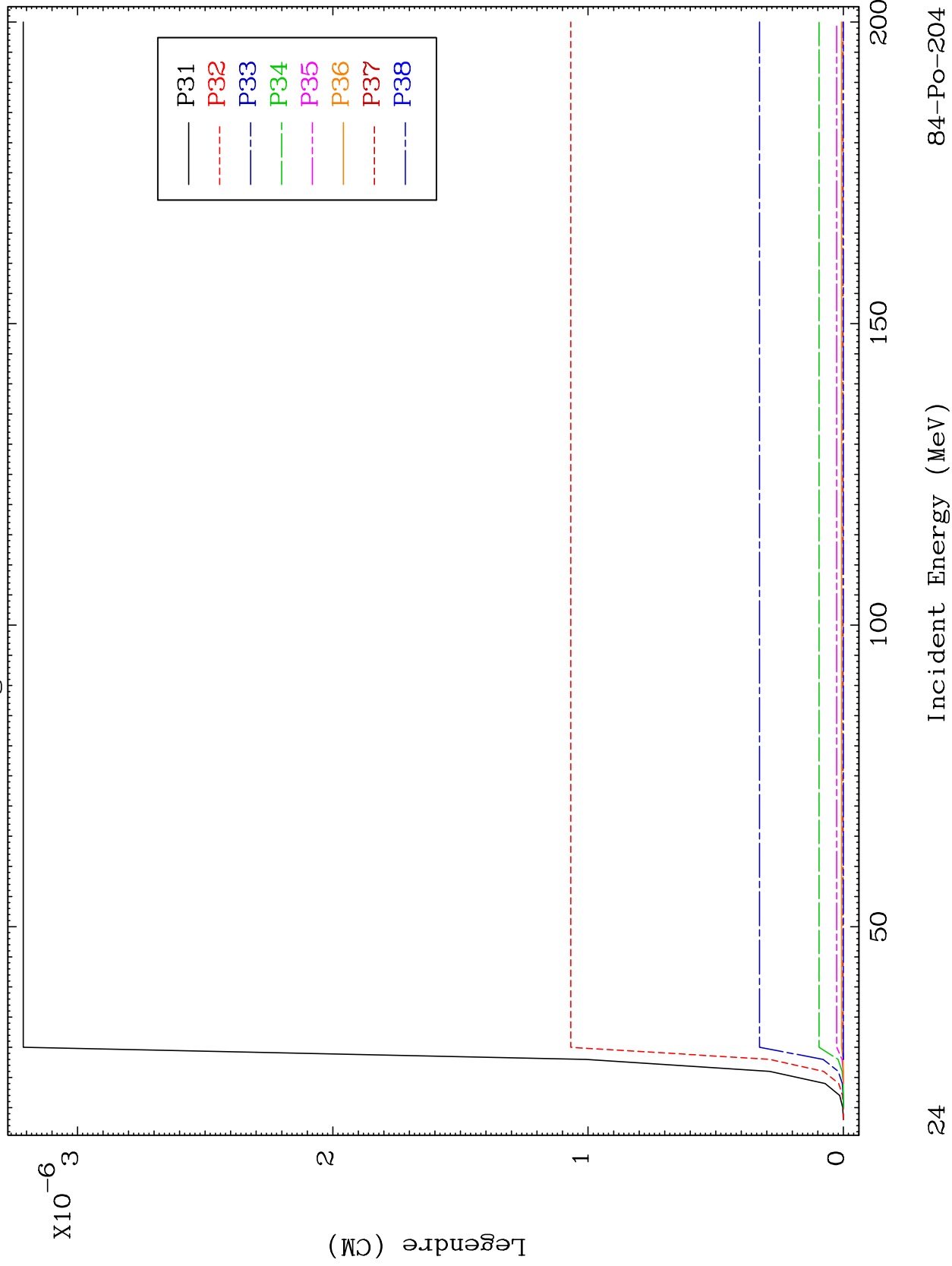
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MAT 8419

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

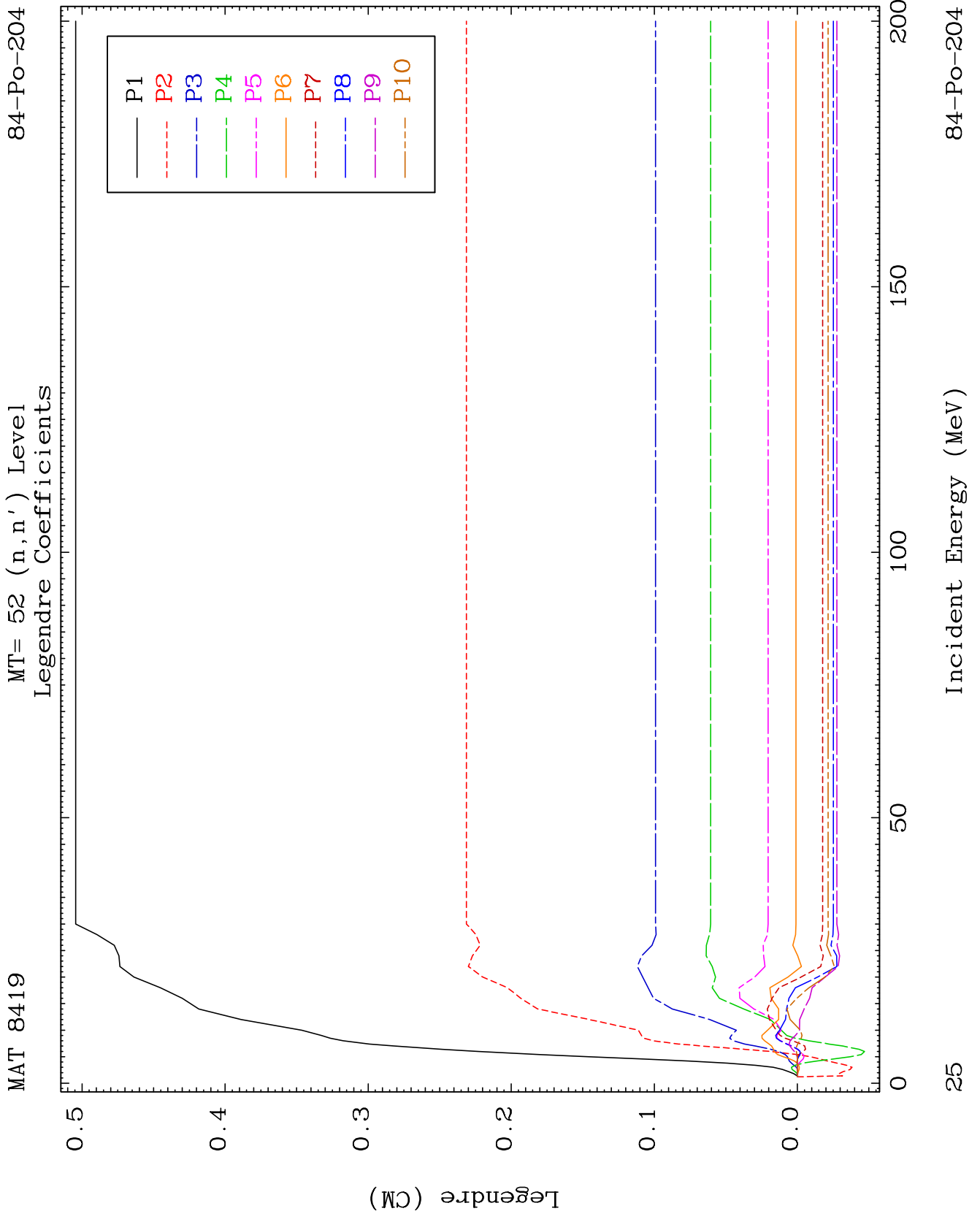
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24

Incident Energy (MeV)

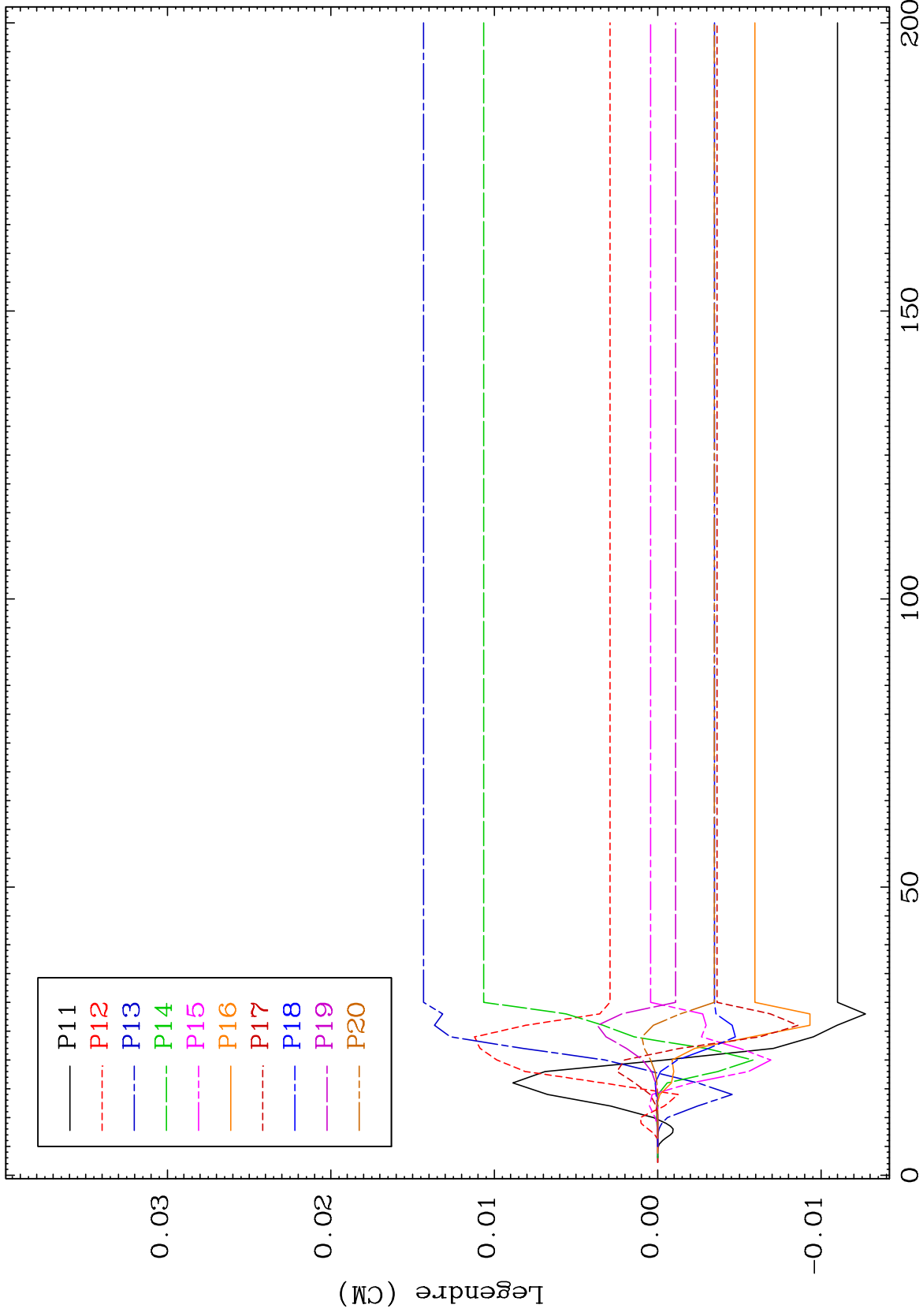
84-Po-204



MAT 8419

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

84-Po-204



26

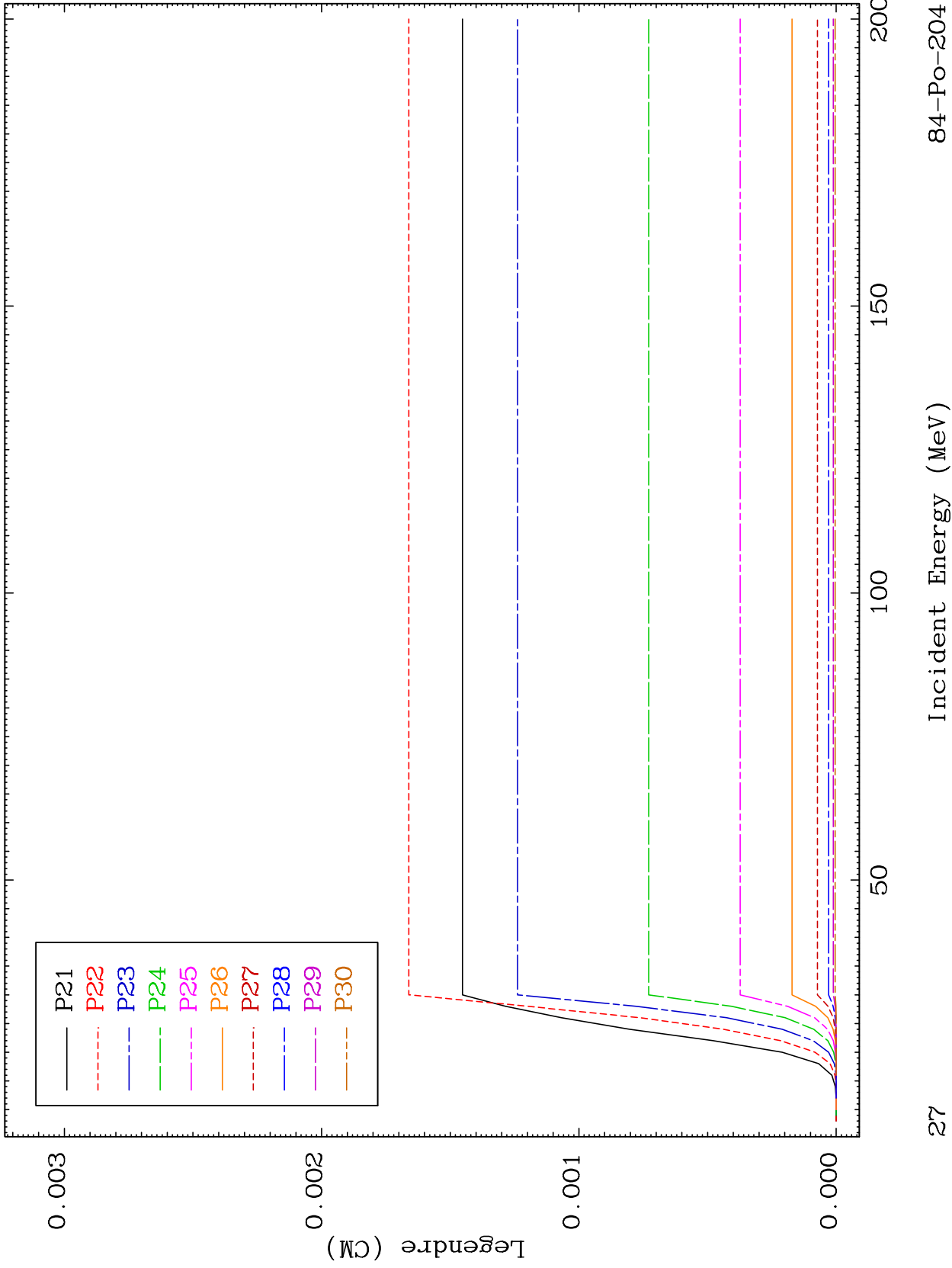
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



27

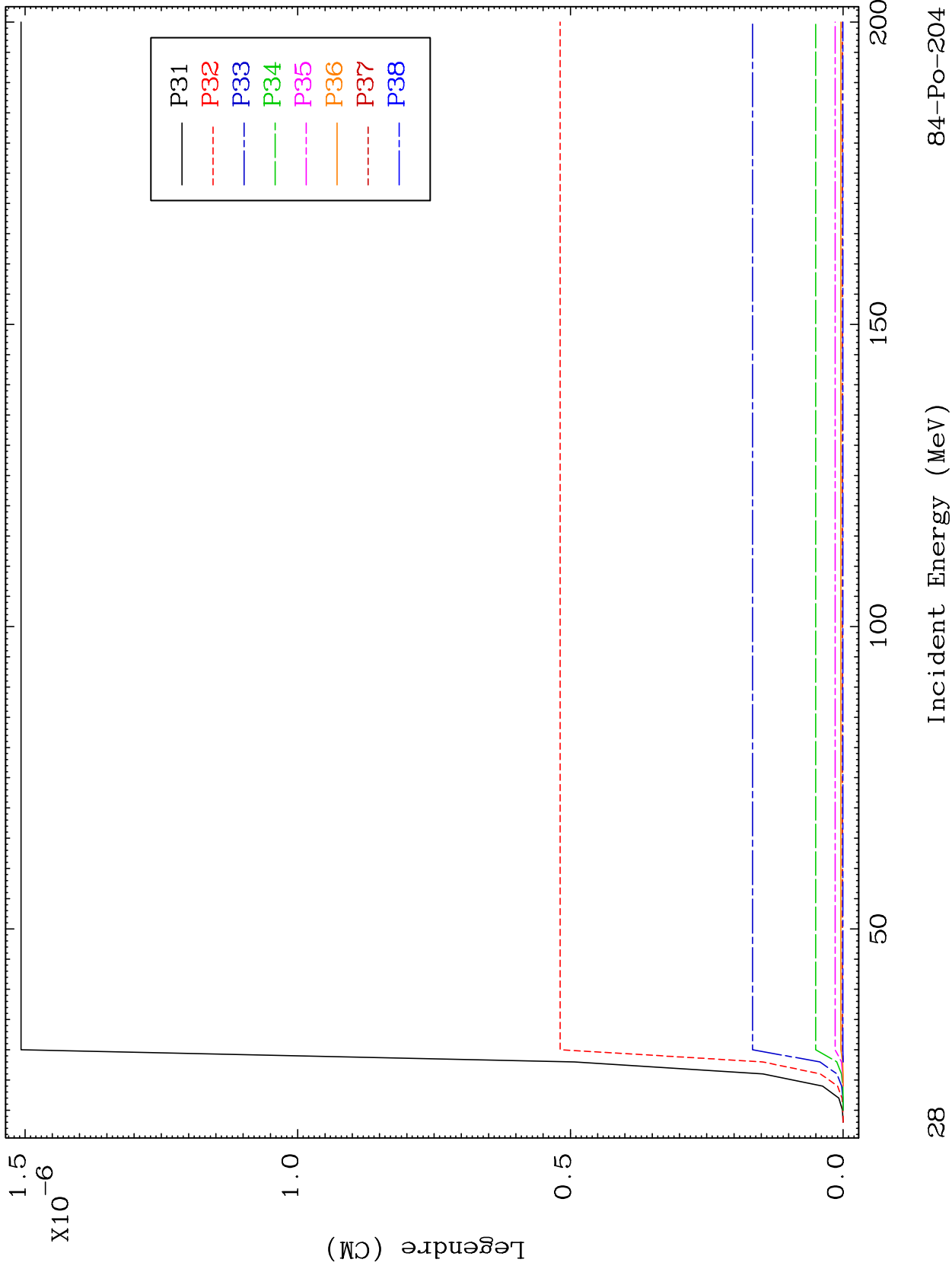
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



28

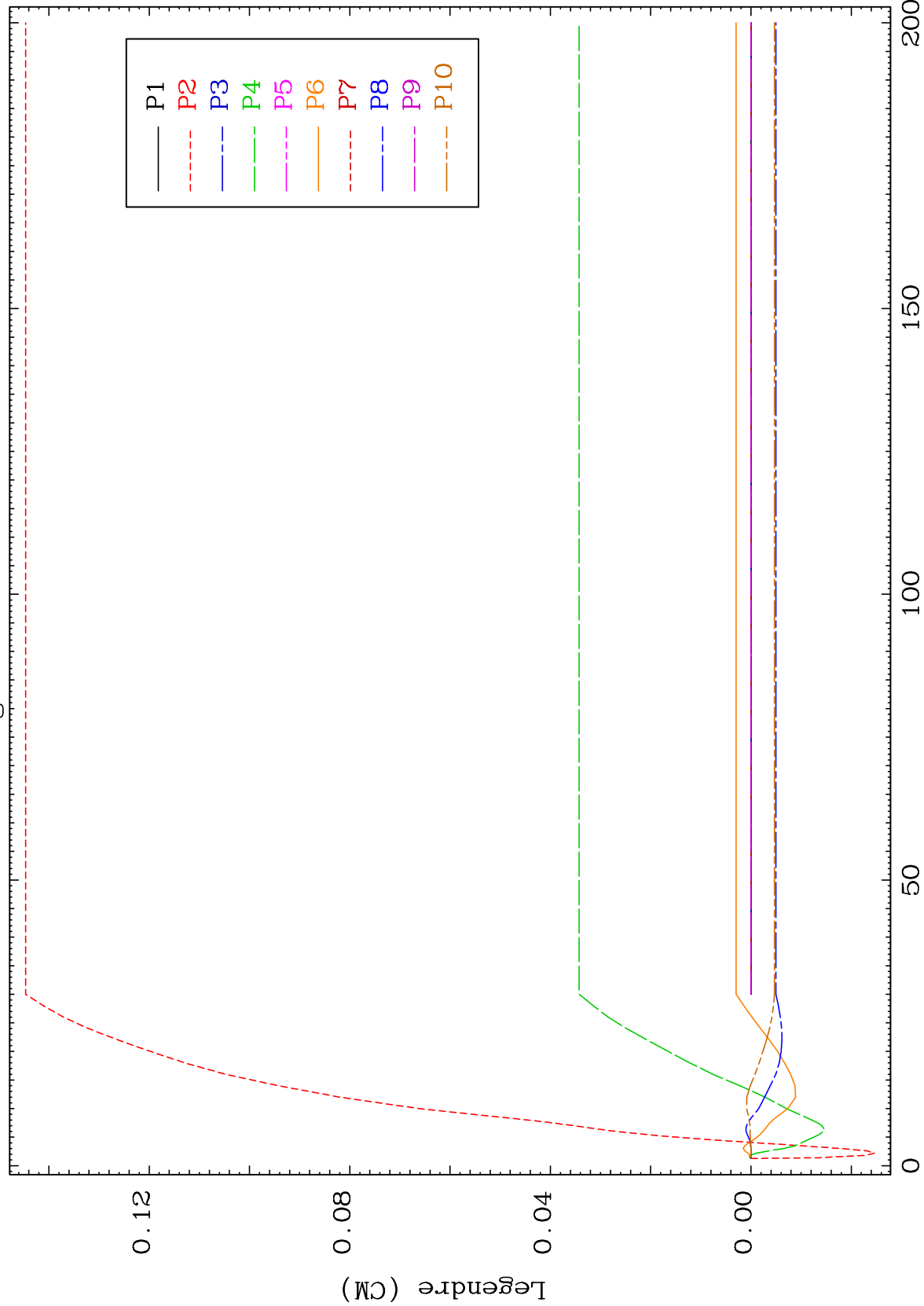
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



29

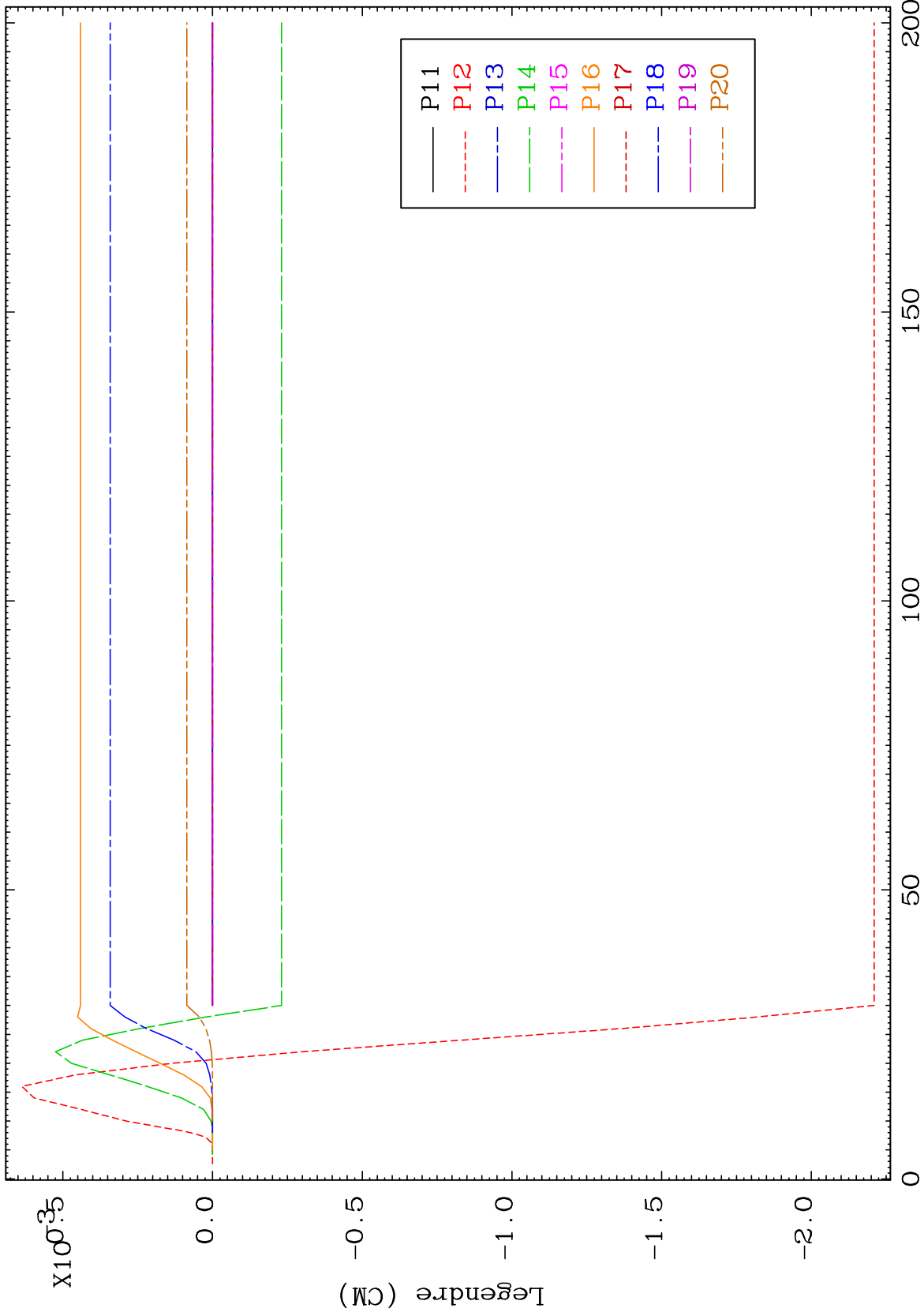
Incident Energy (MeV)

84-Po-204

MAT 8419

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

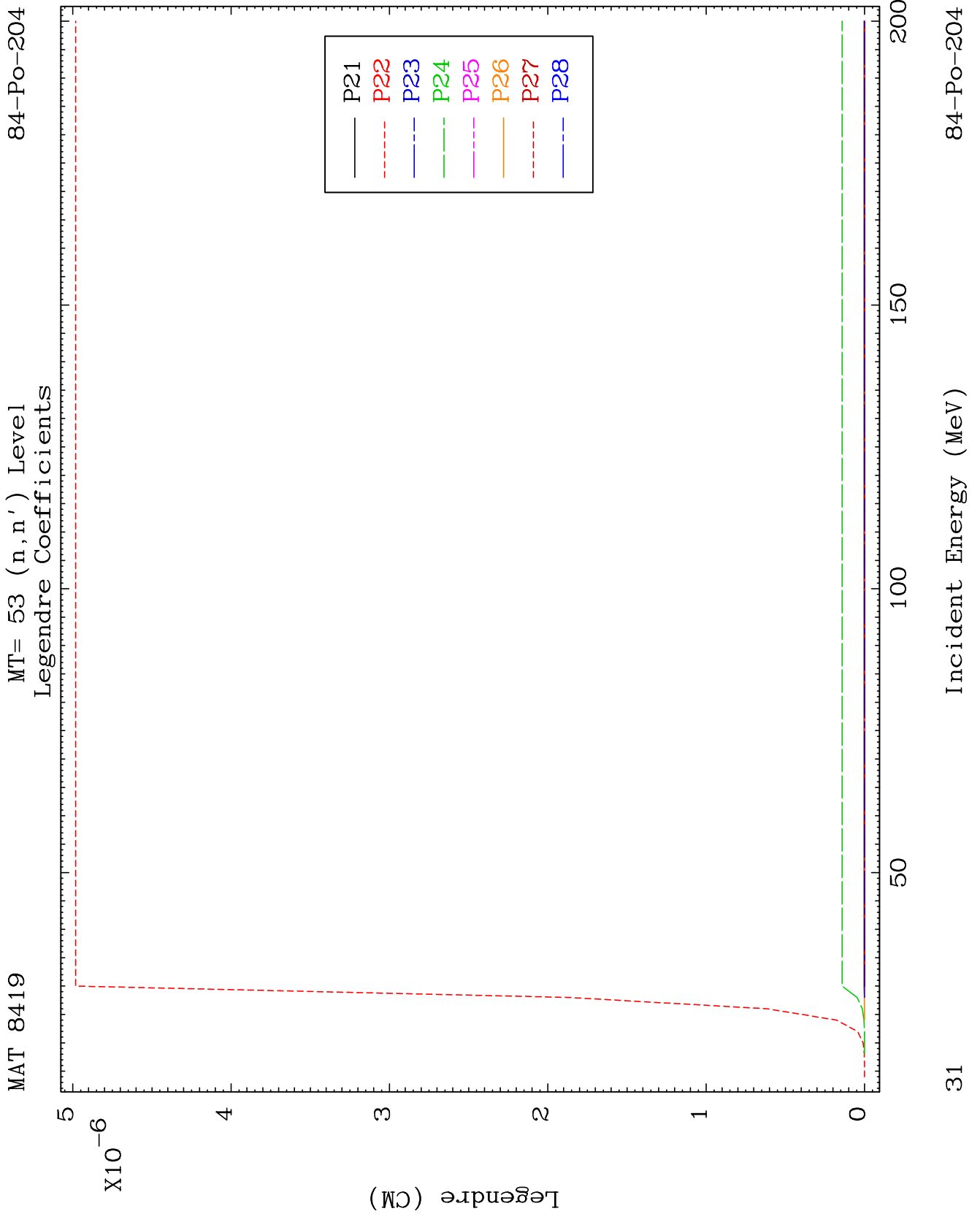
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30

Incident Energy (MeV)

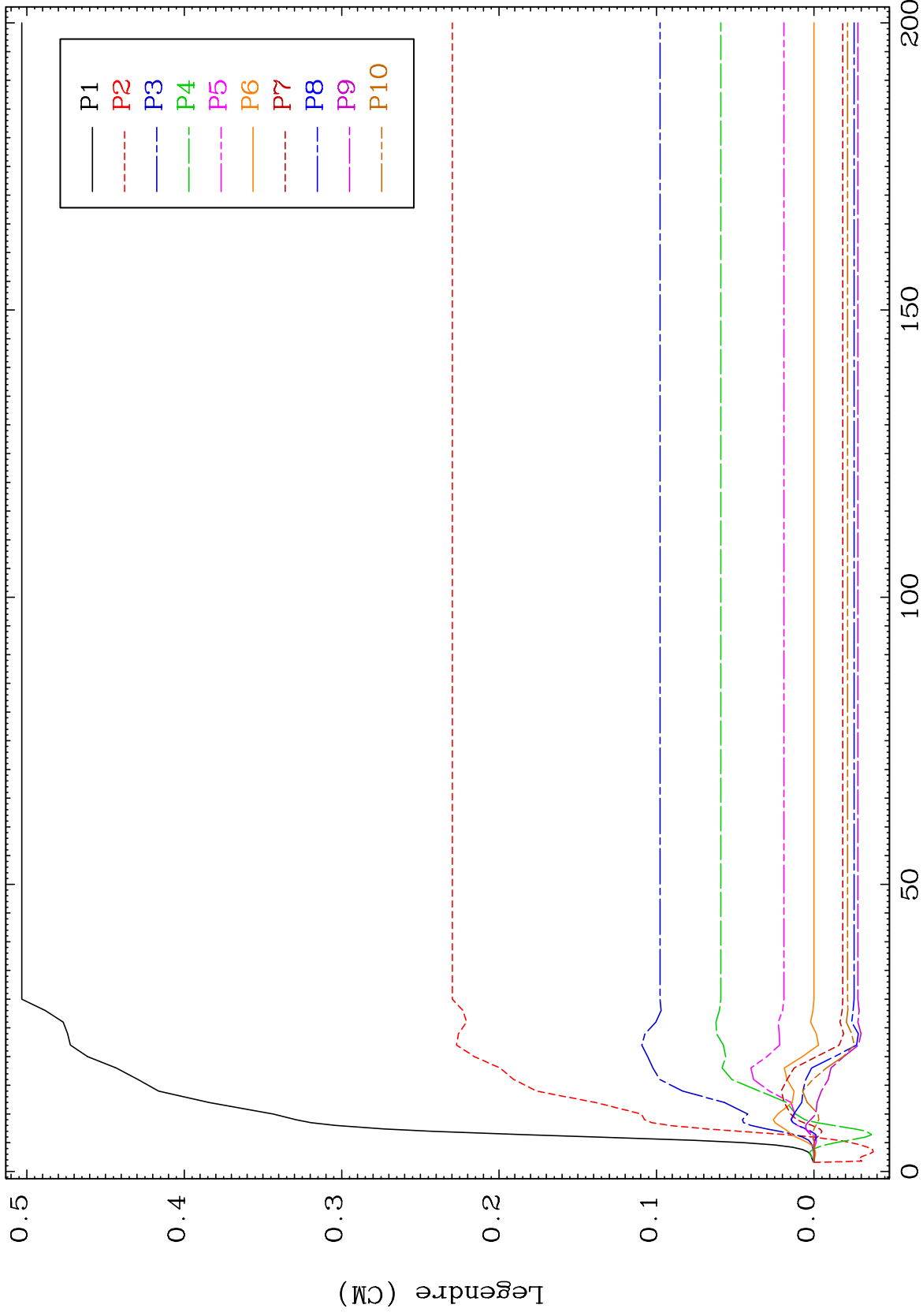
84-Po-204



MAT 8419

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

84-Po-204



32

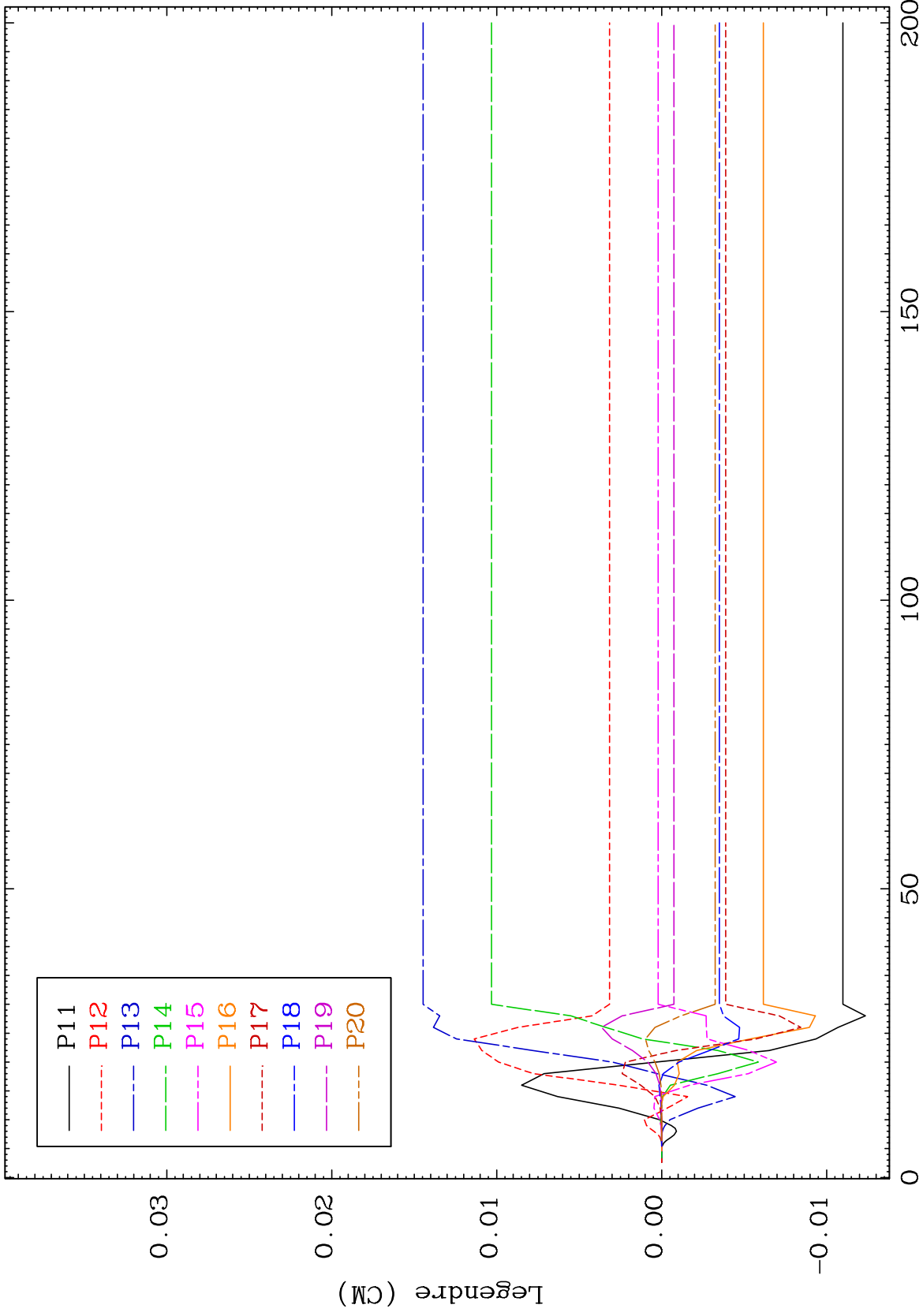
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



33

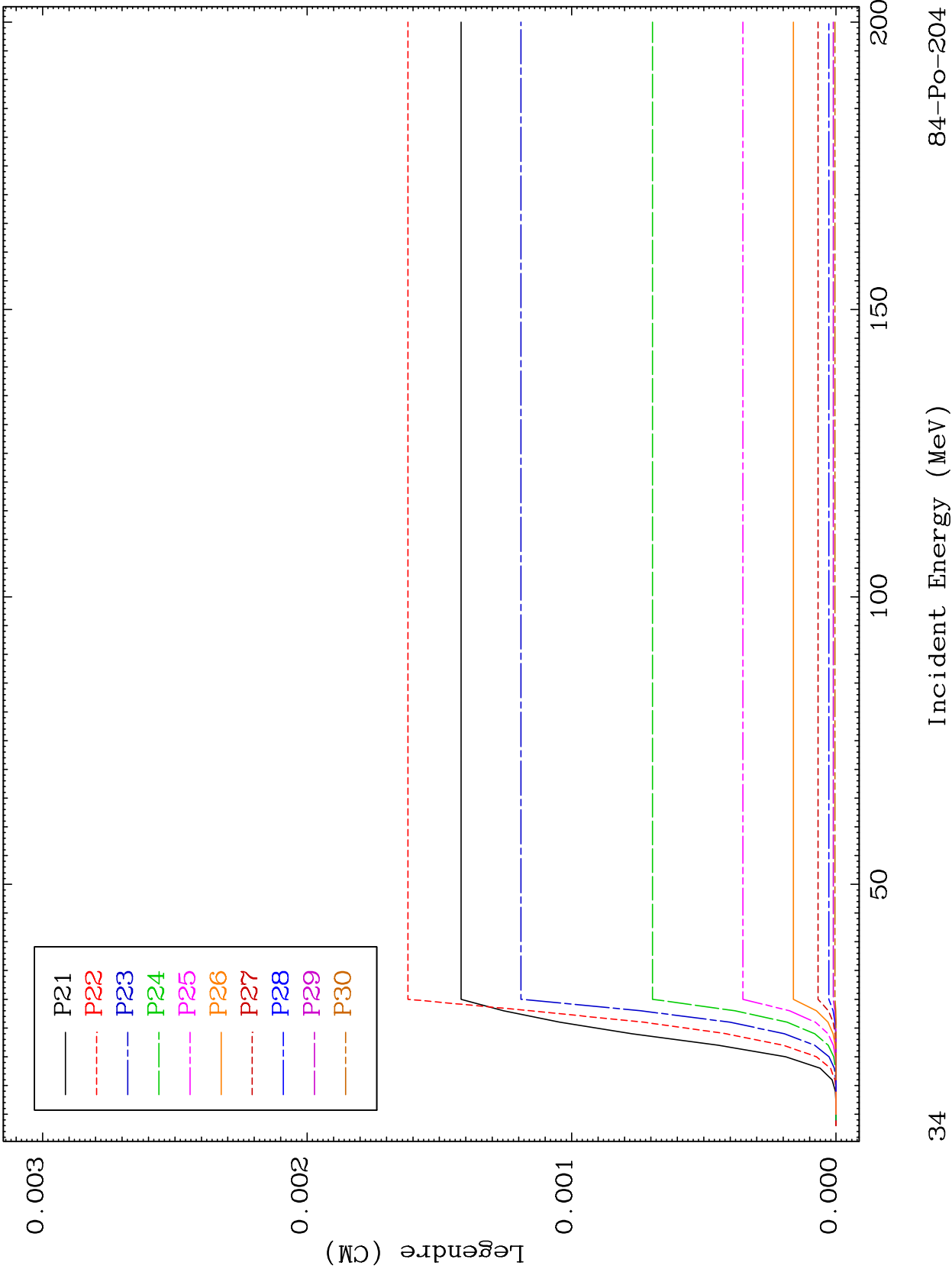
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



34

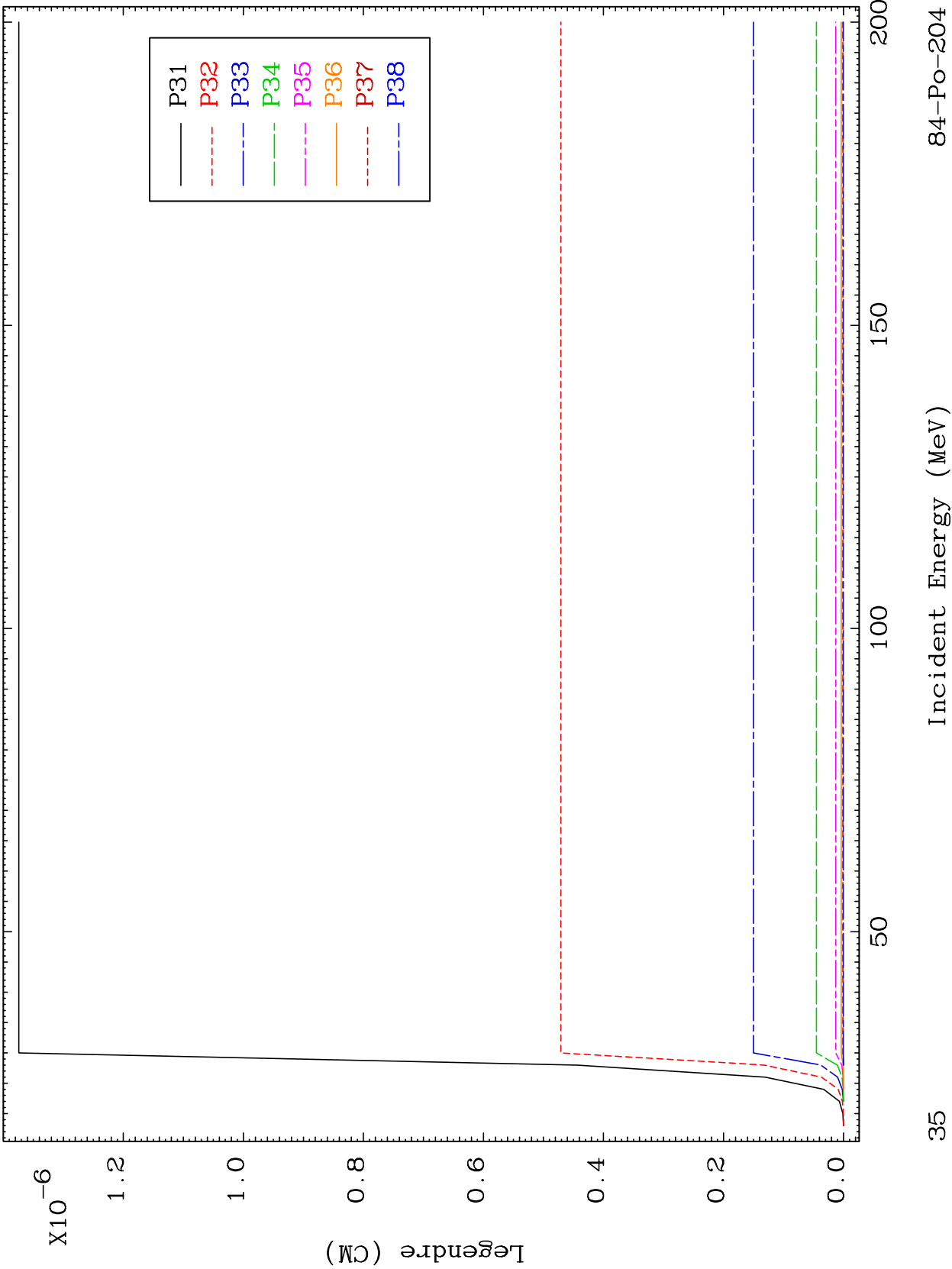
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



35

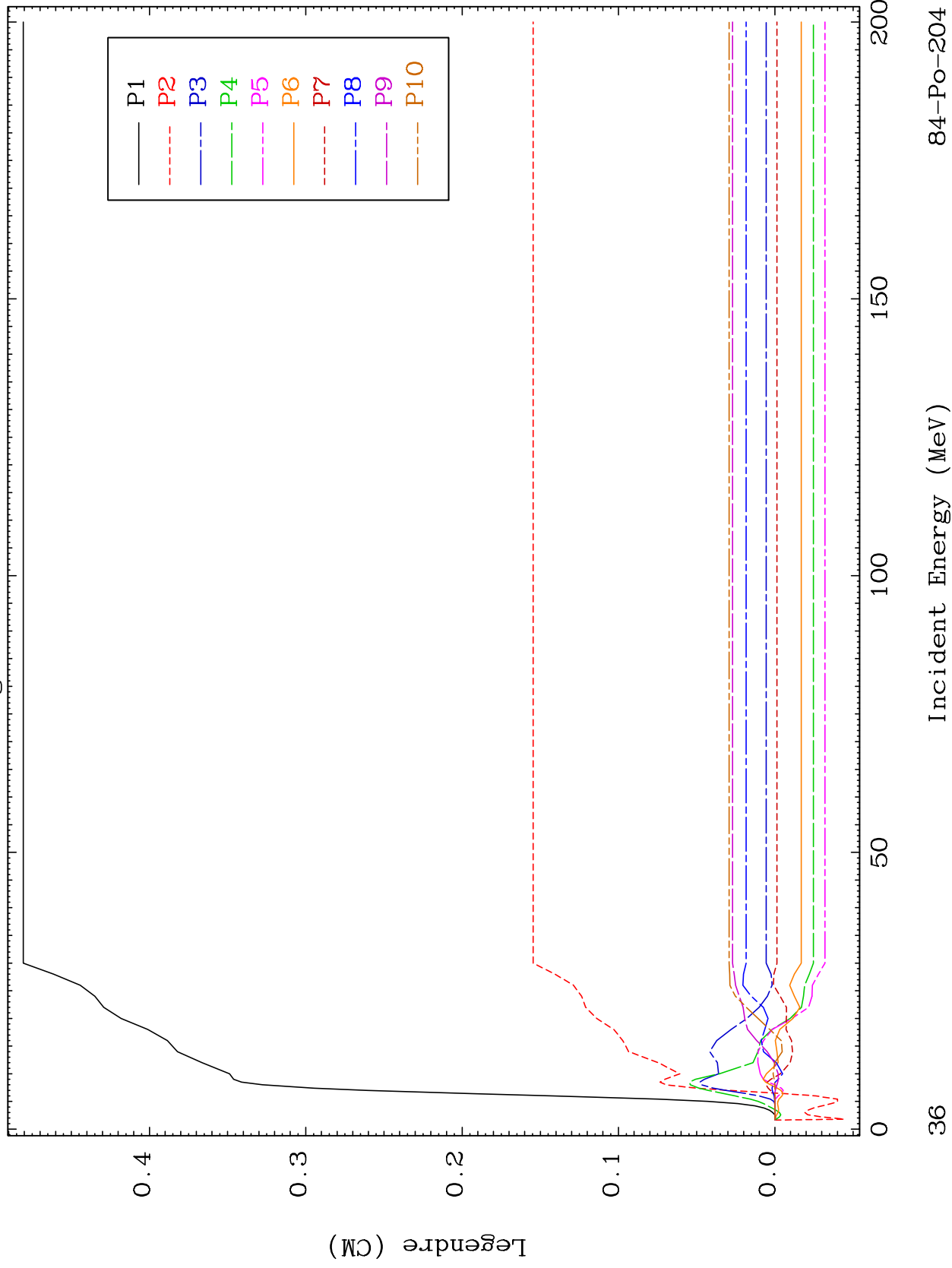
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



36

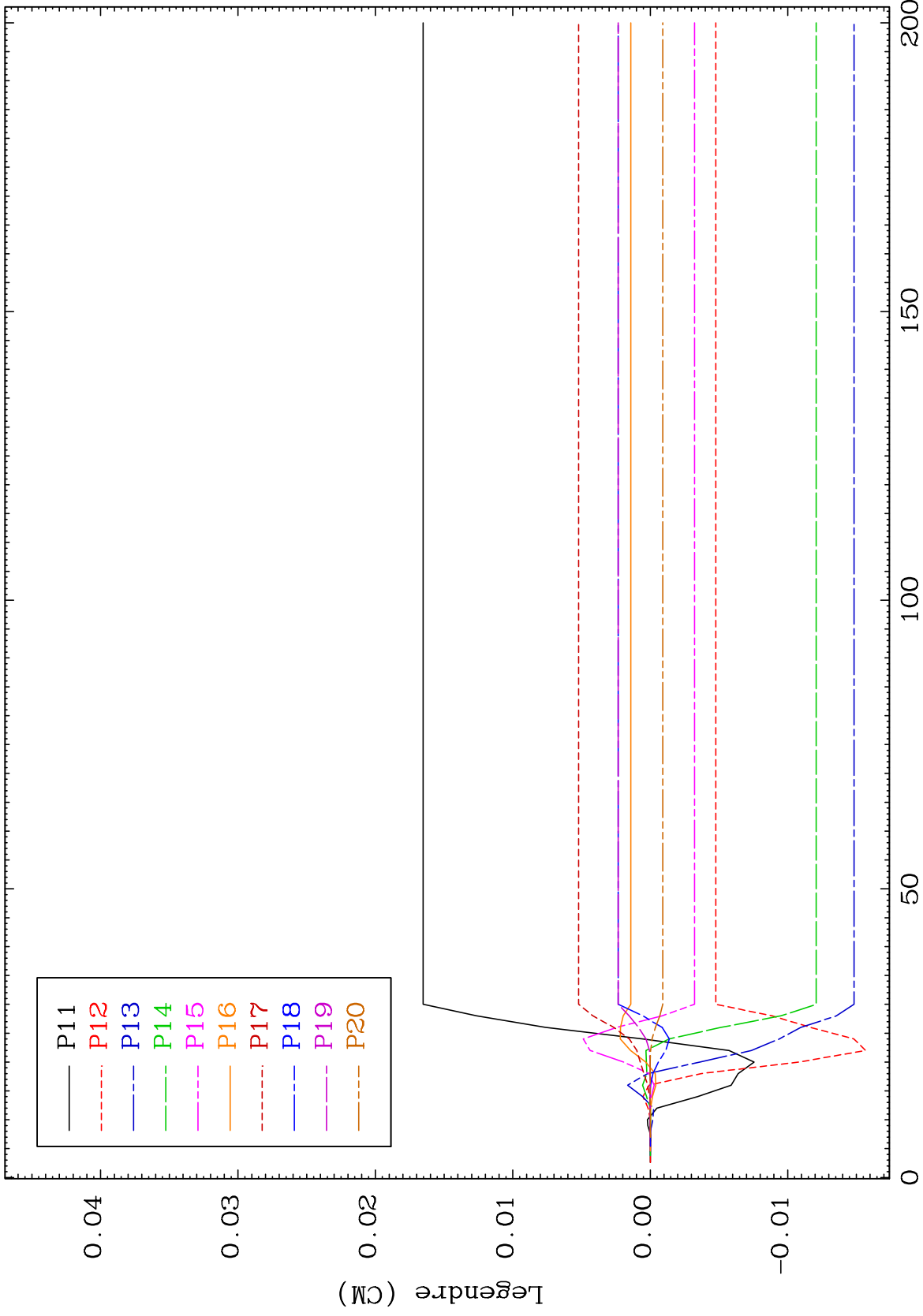
Incident Energy (MeV)

84-Po-204

MAT 8419

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

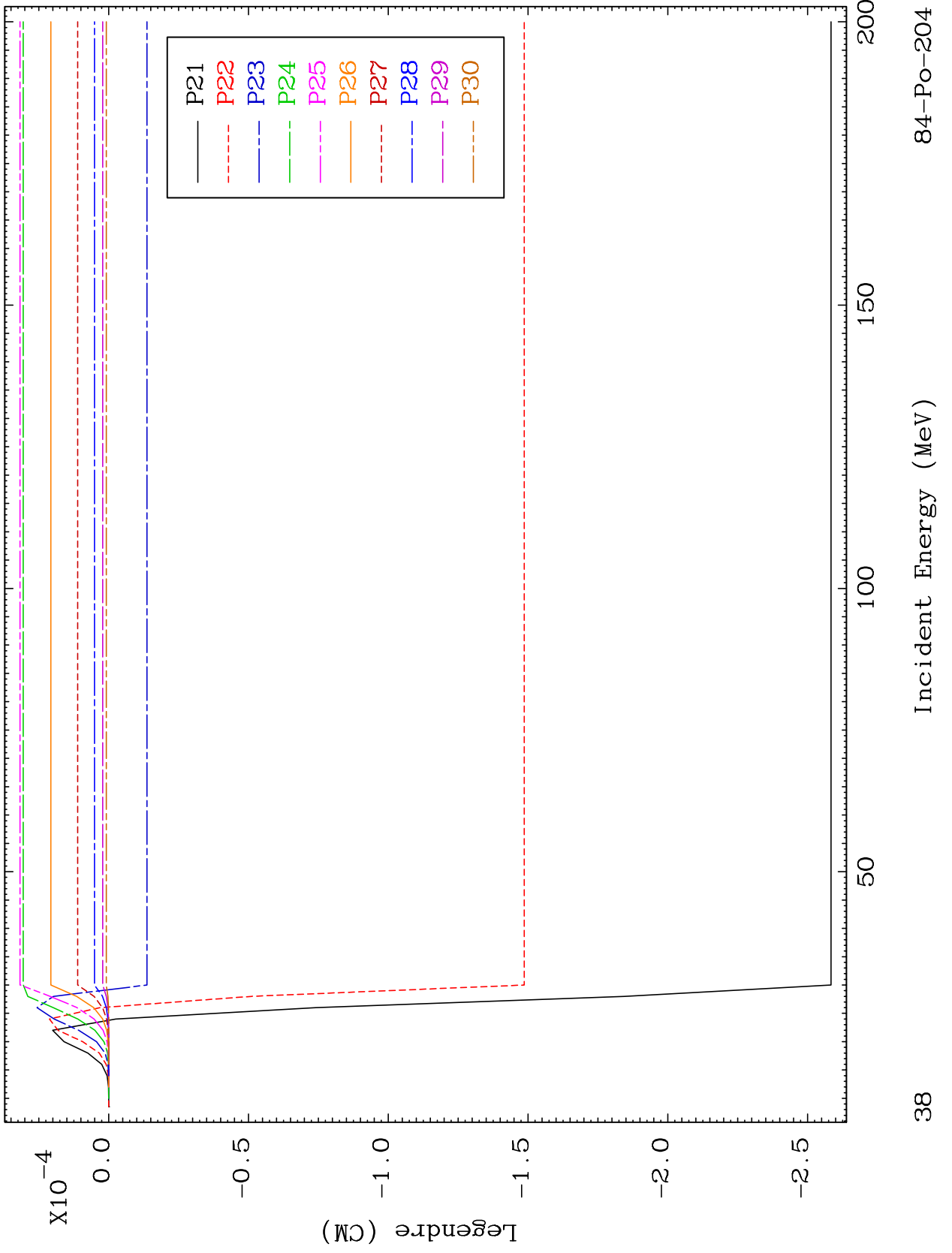
84-Po-204



37

Incident Energy (MeV)

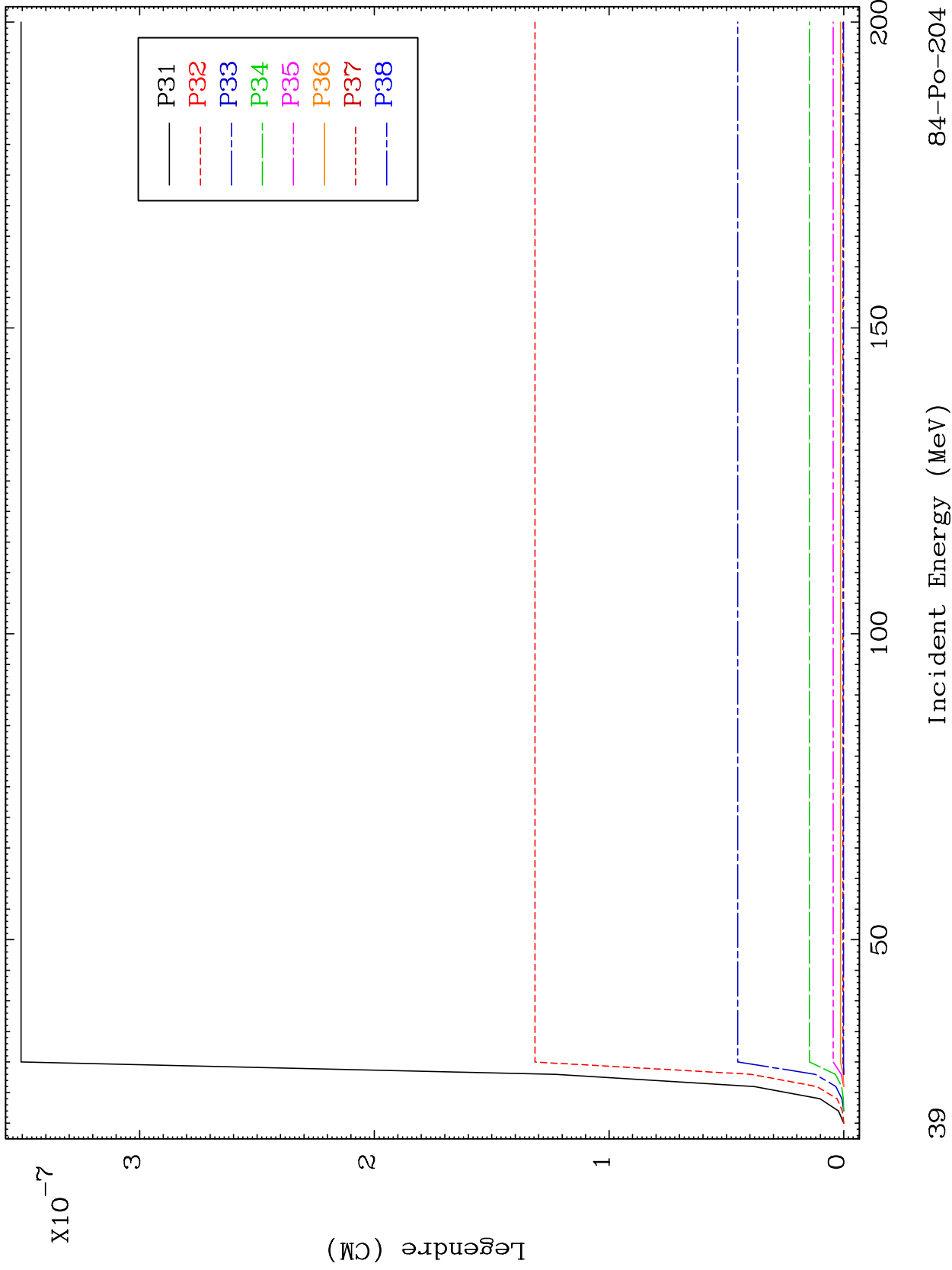
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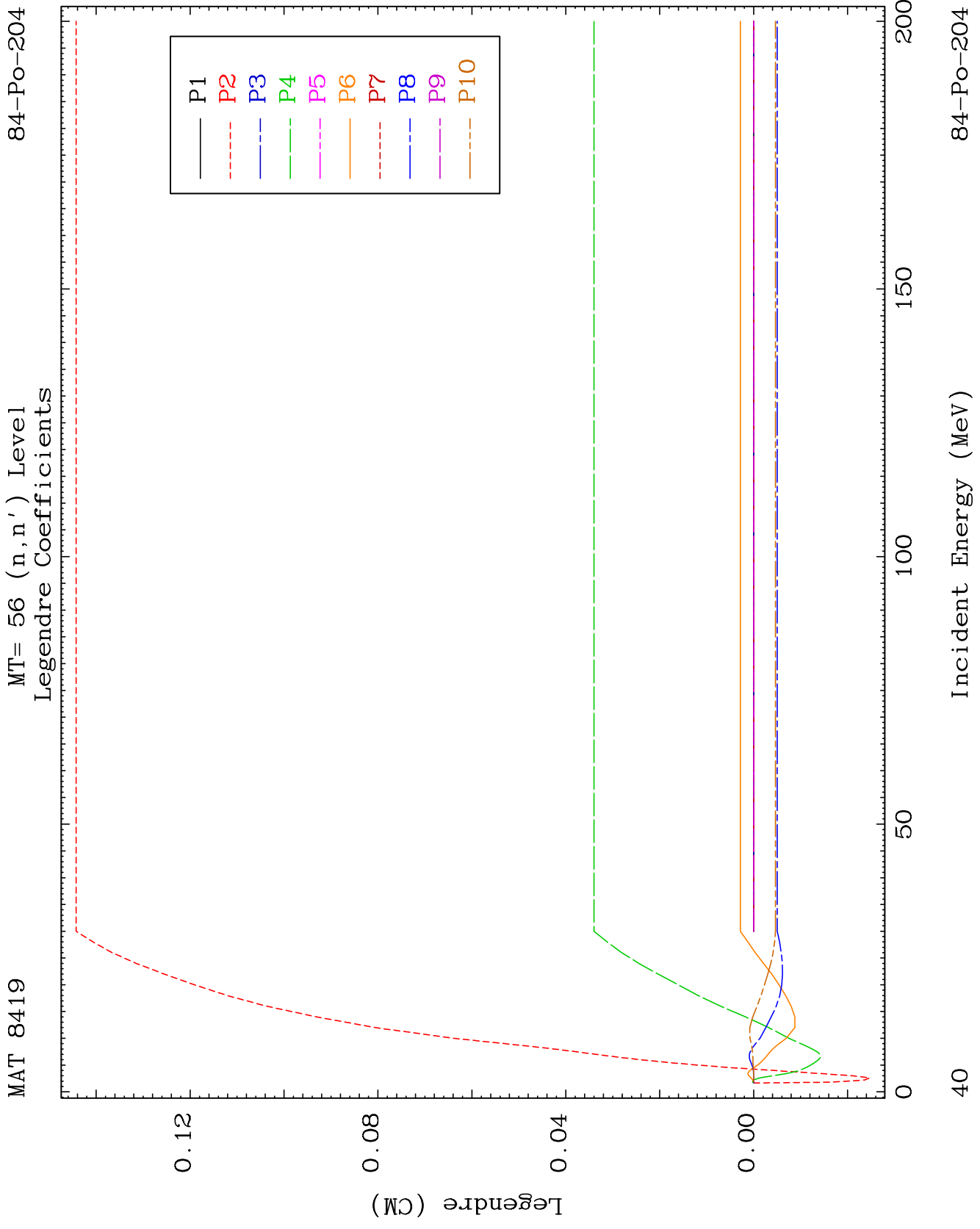


MAT 8419

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

84-Po-204

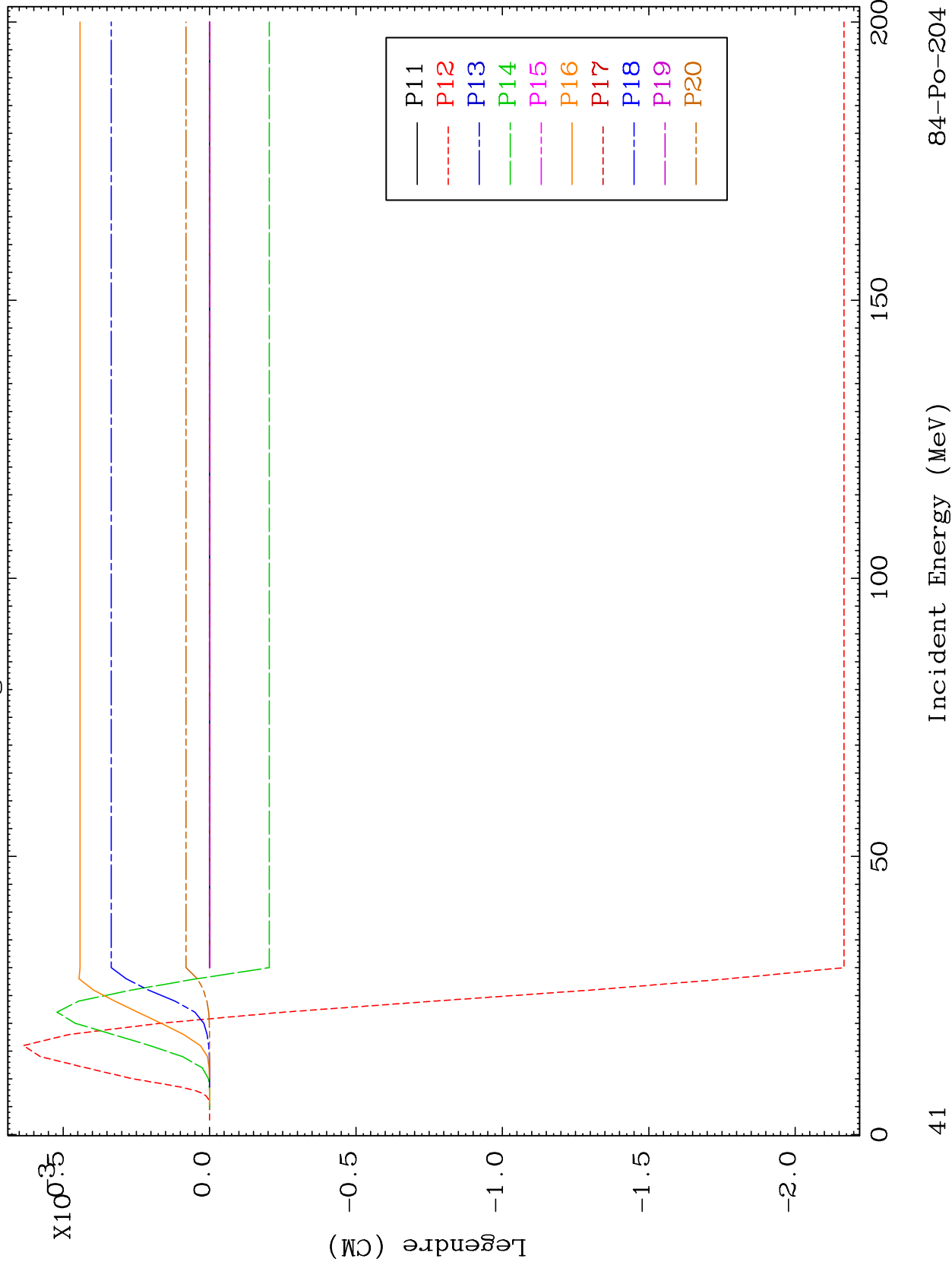




MAT 8419

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

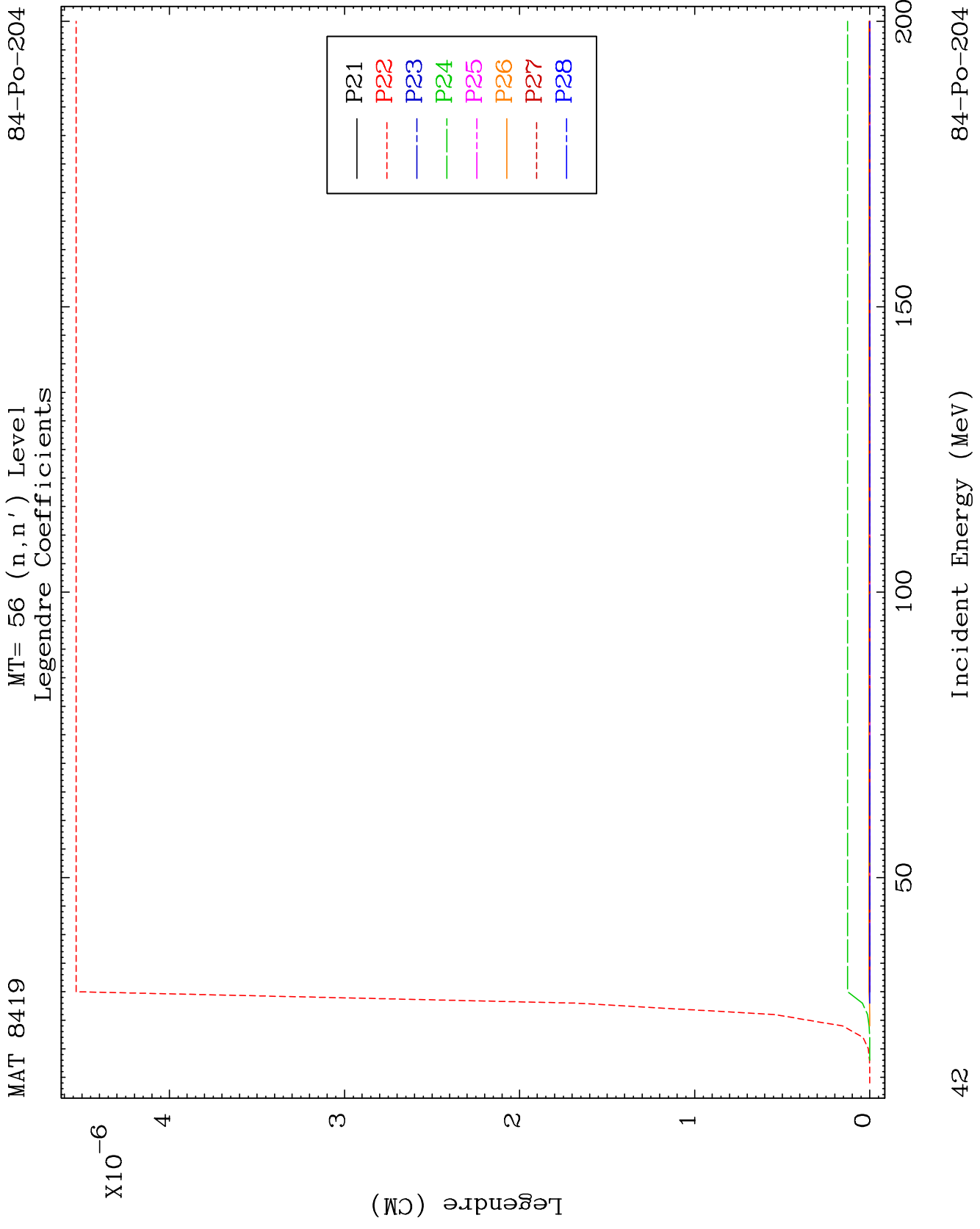
84-Po-204



41

Incident Energy (MeV)

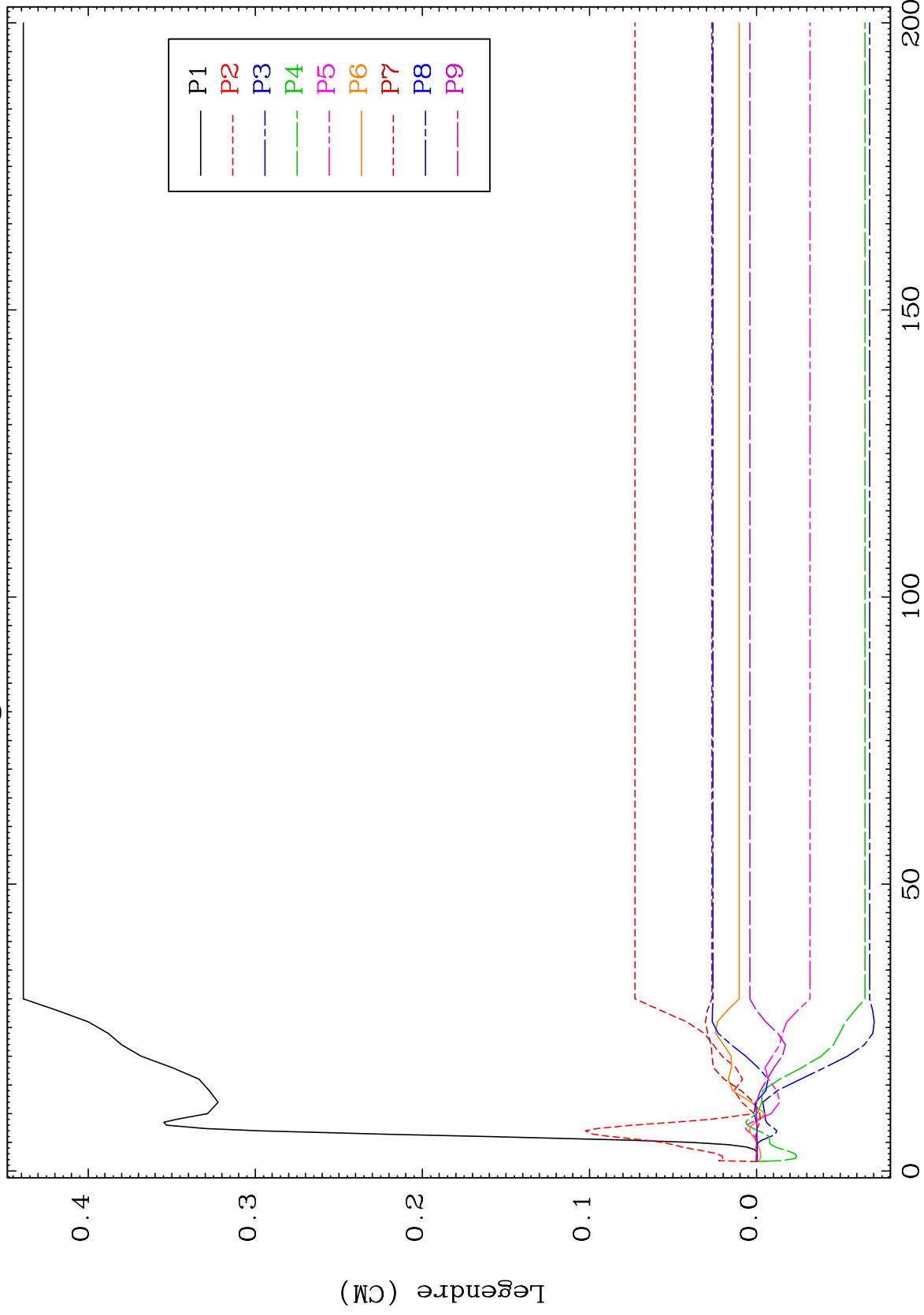
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MAT 8419

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

84-Po-204



43

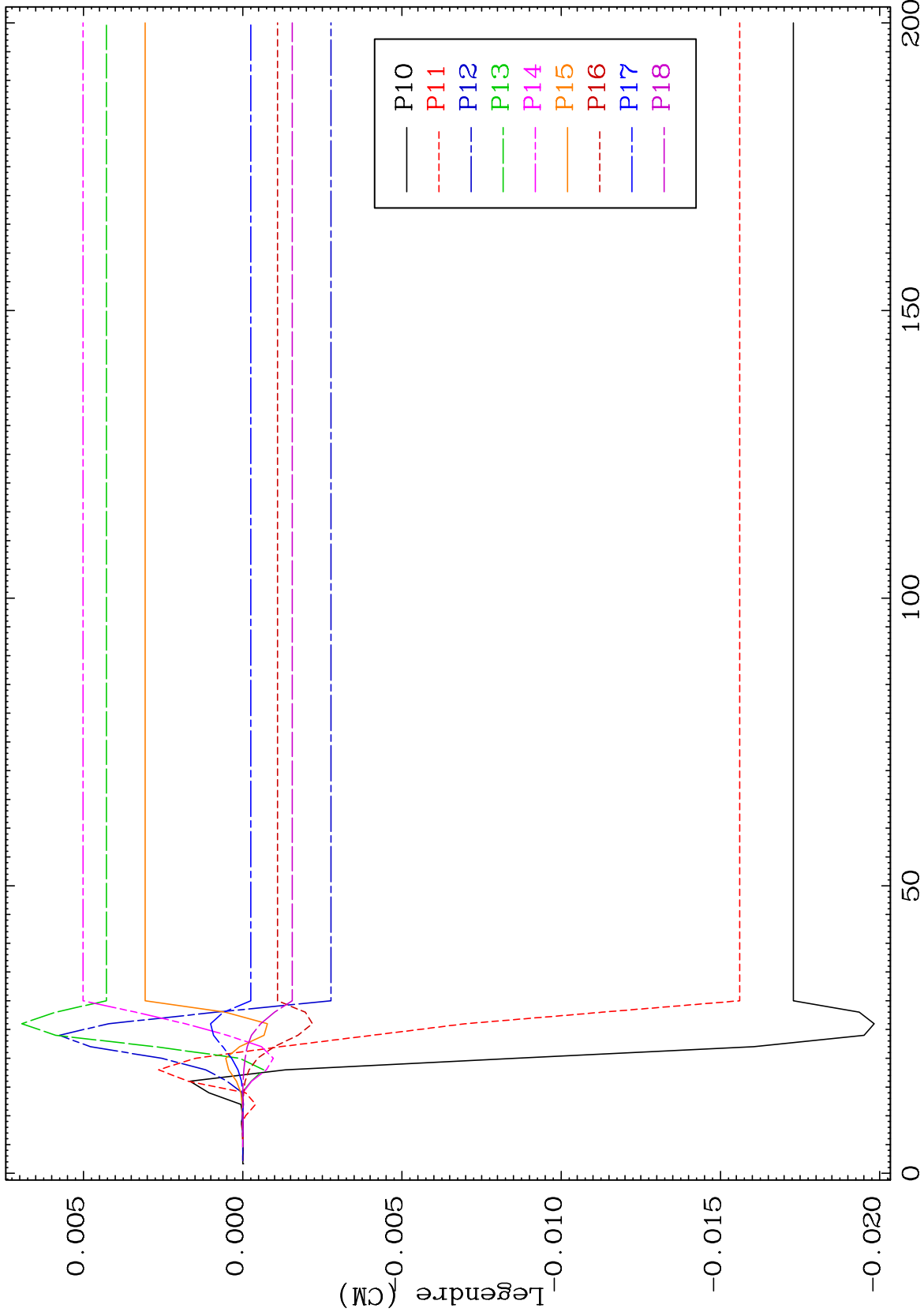
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



44

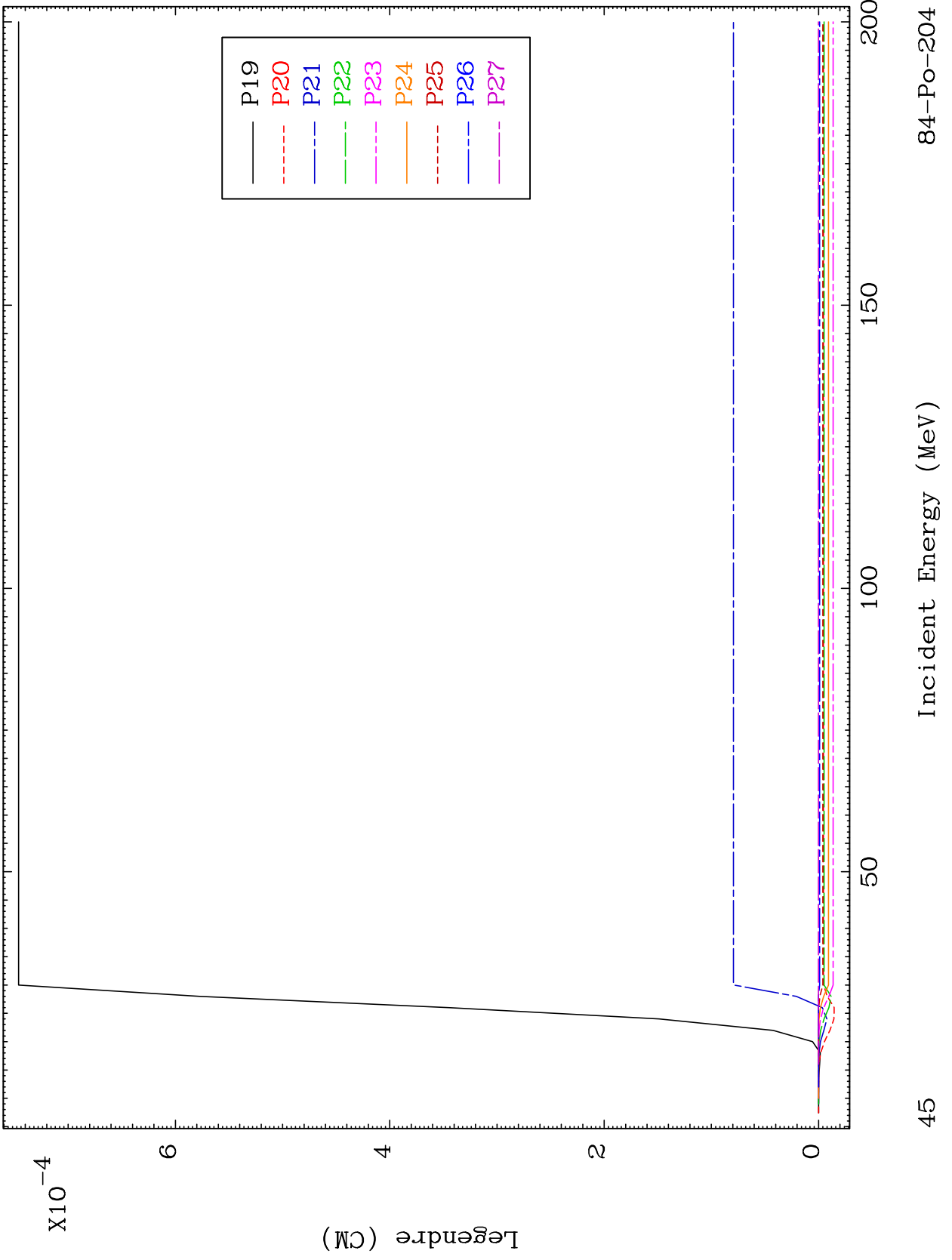
Incident Energy (MeV)

84-Po-204

MAT 8419

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

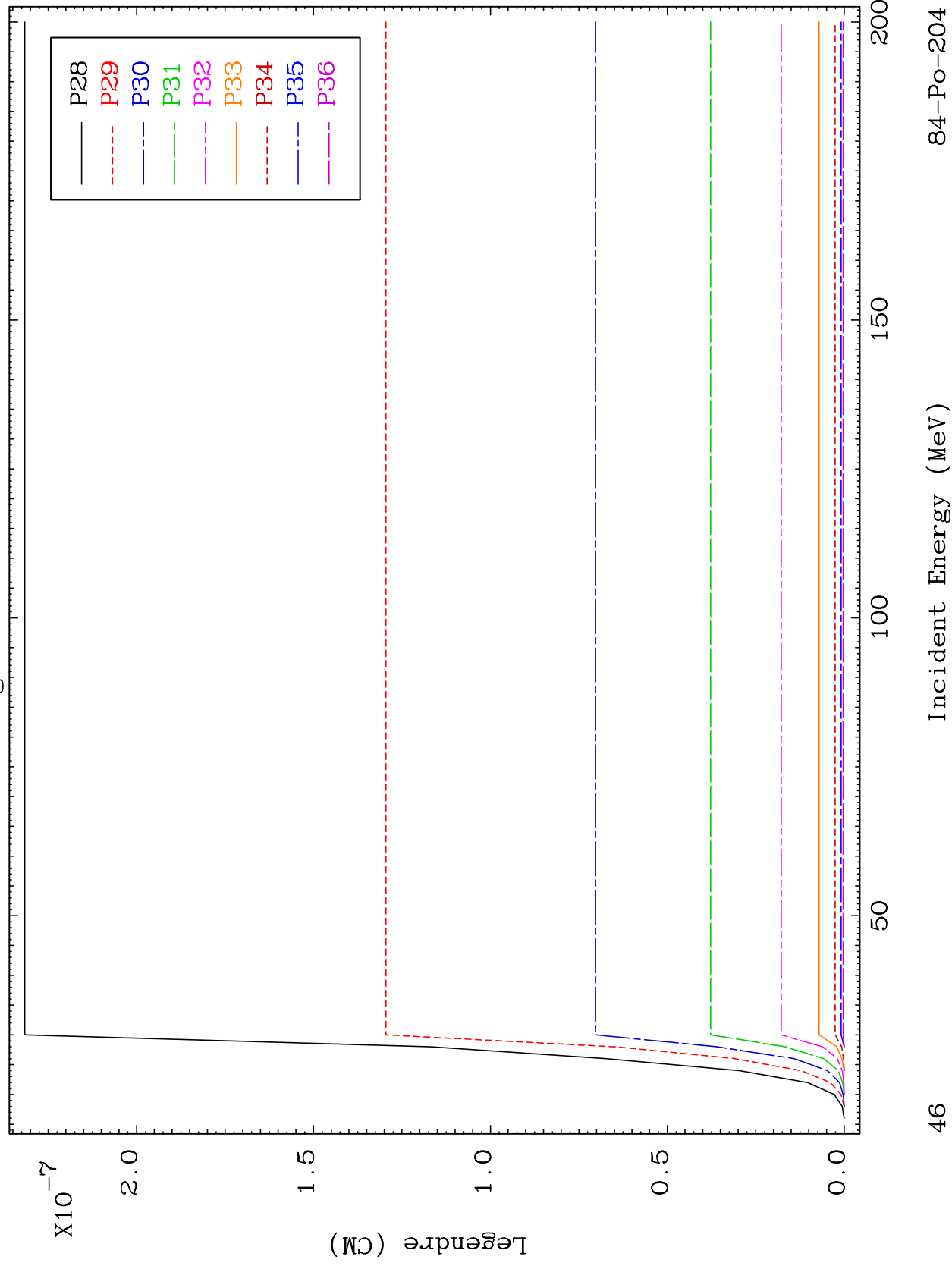
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MAT 8419

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

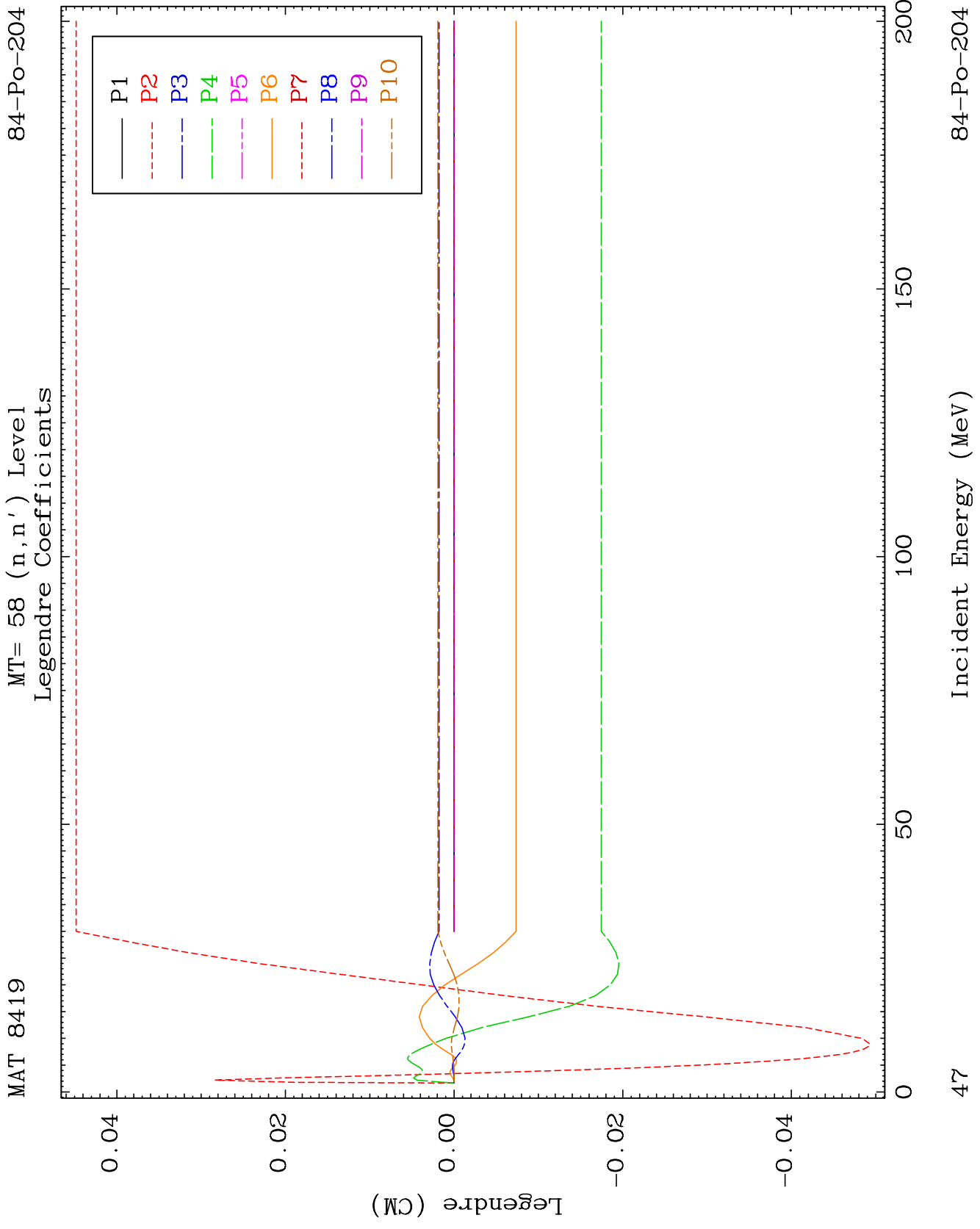
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46

Incident Energy (MeV)

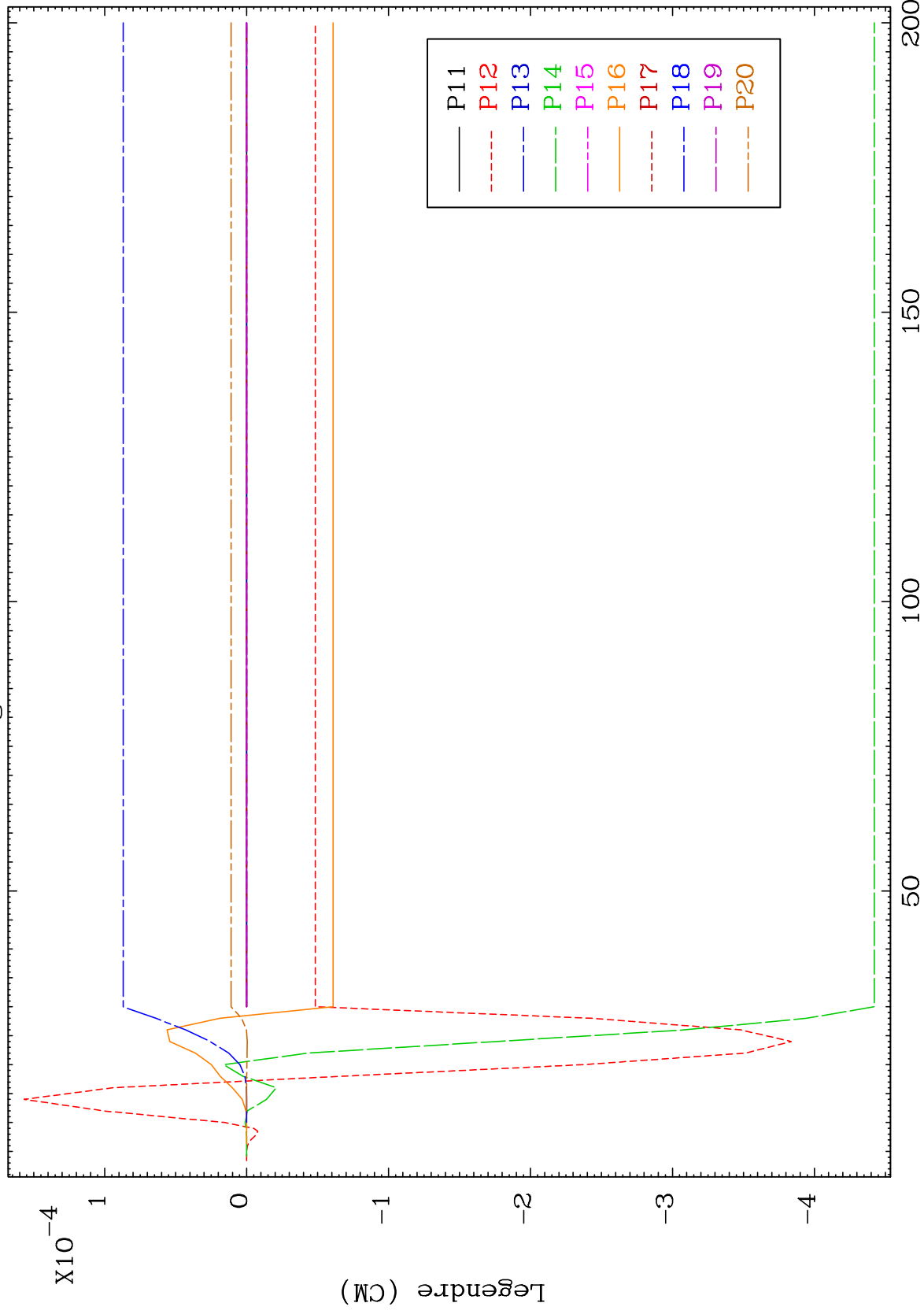
84-Po-204



MAT 8419

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

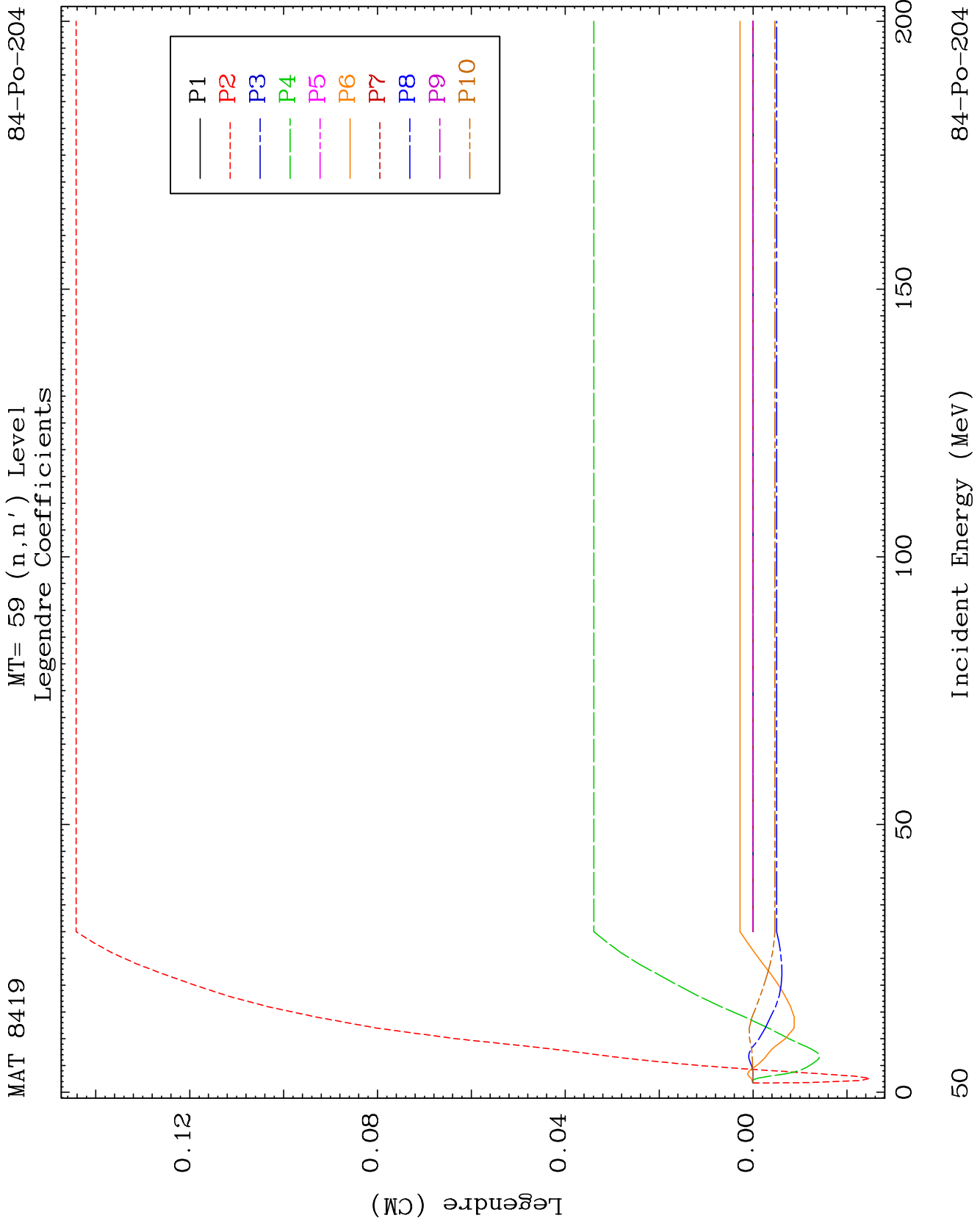
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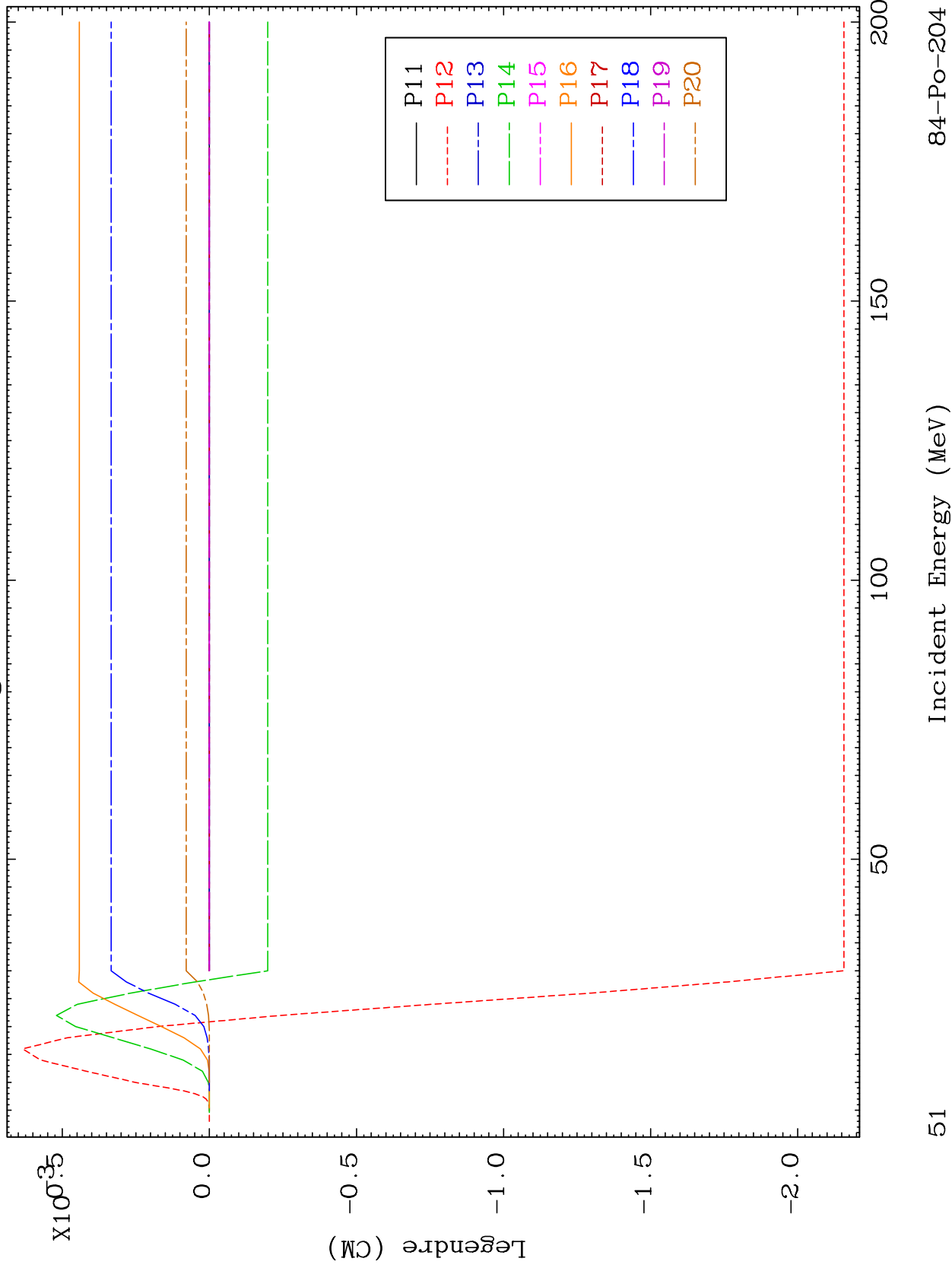


48

Incident Energy (MeV)

84-Po-204

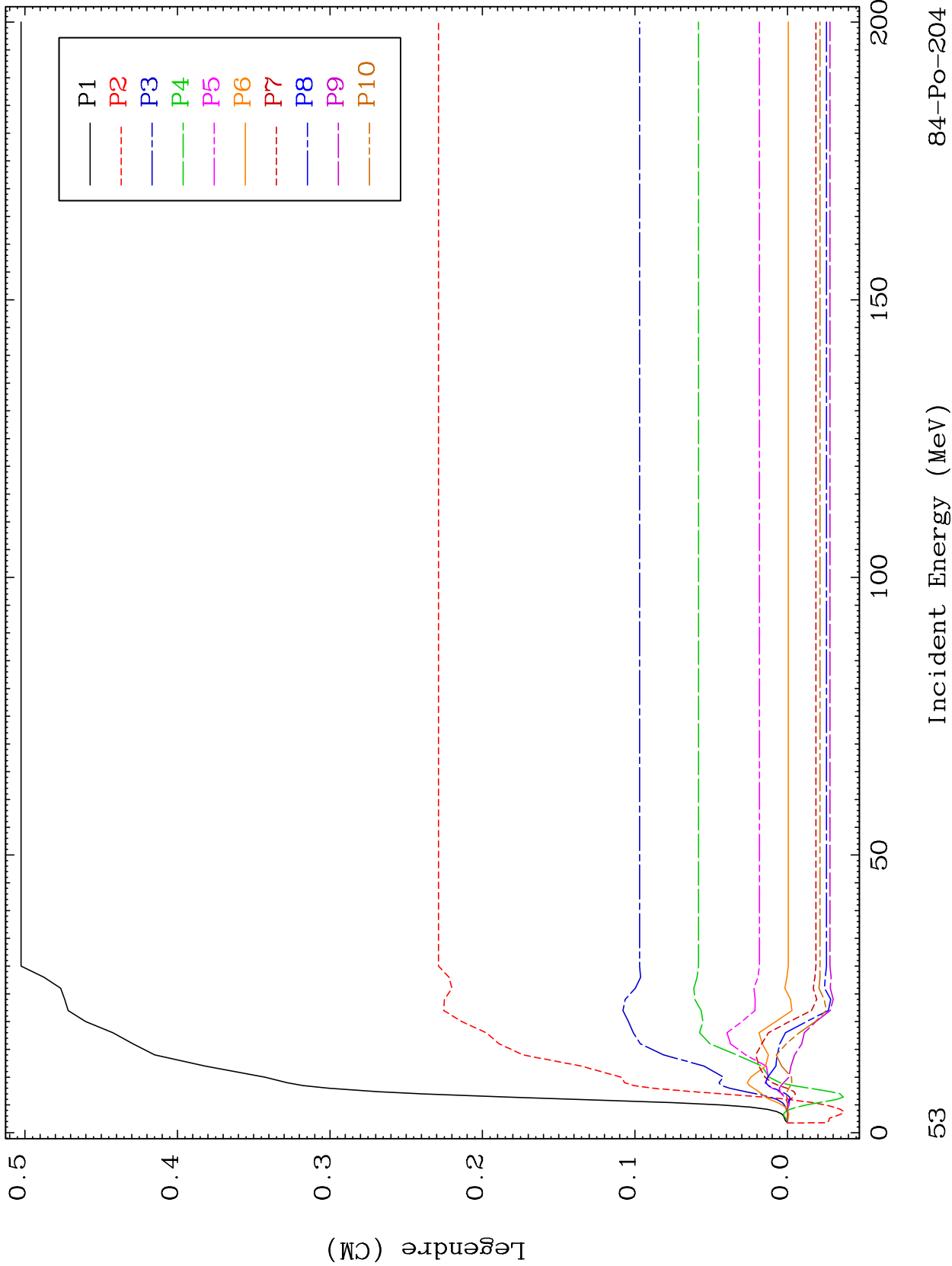




MAT 8419

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

84-Po-204



53

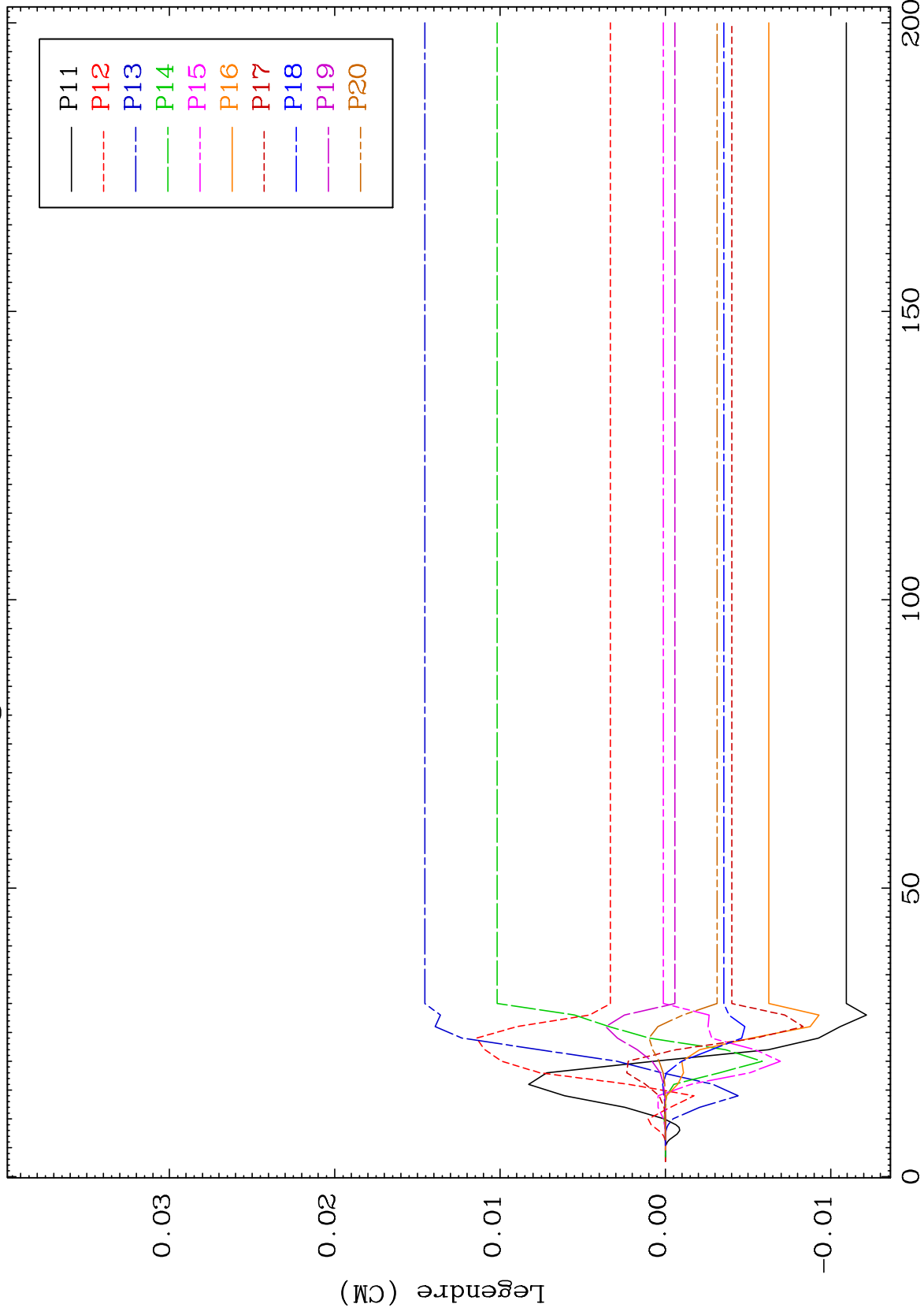
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



54

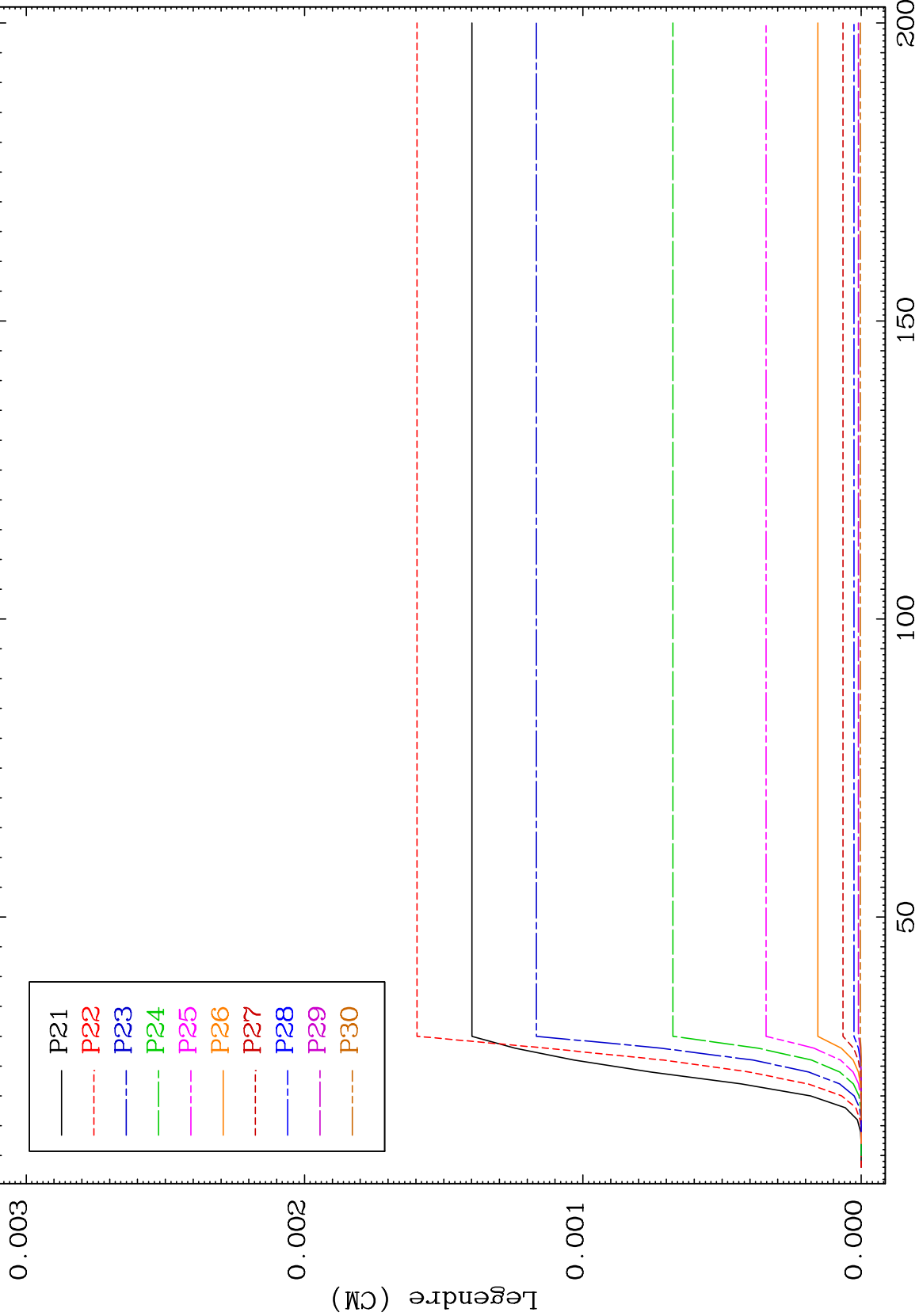
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



55

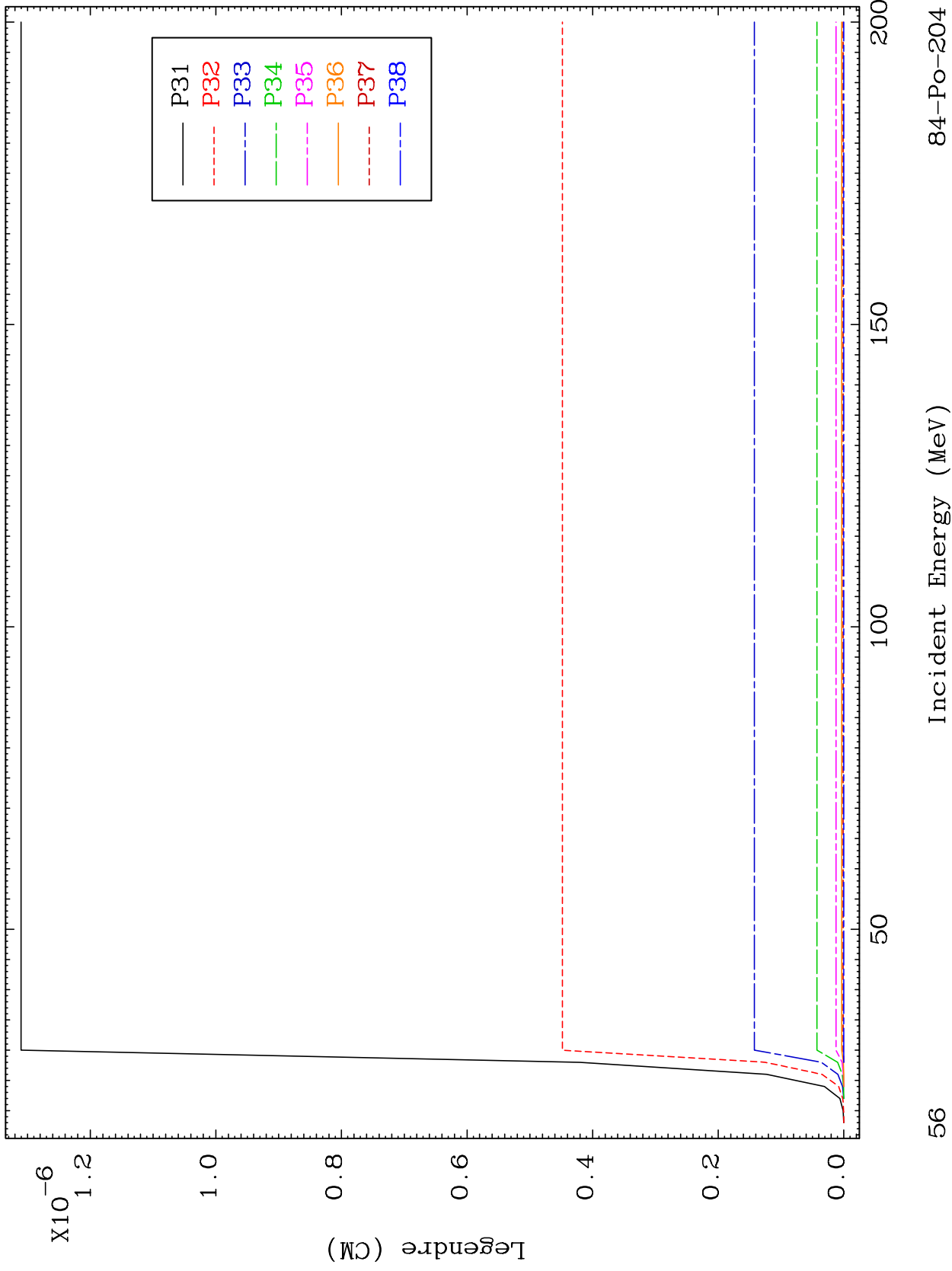
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



56

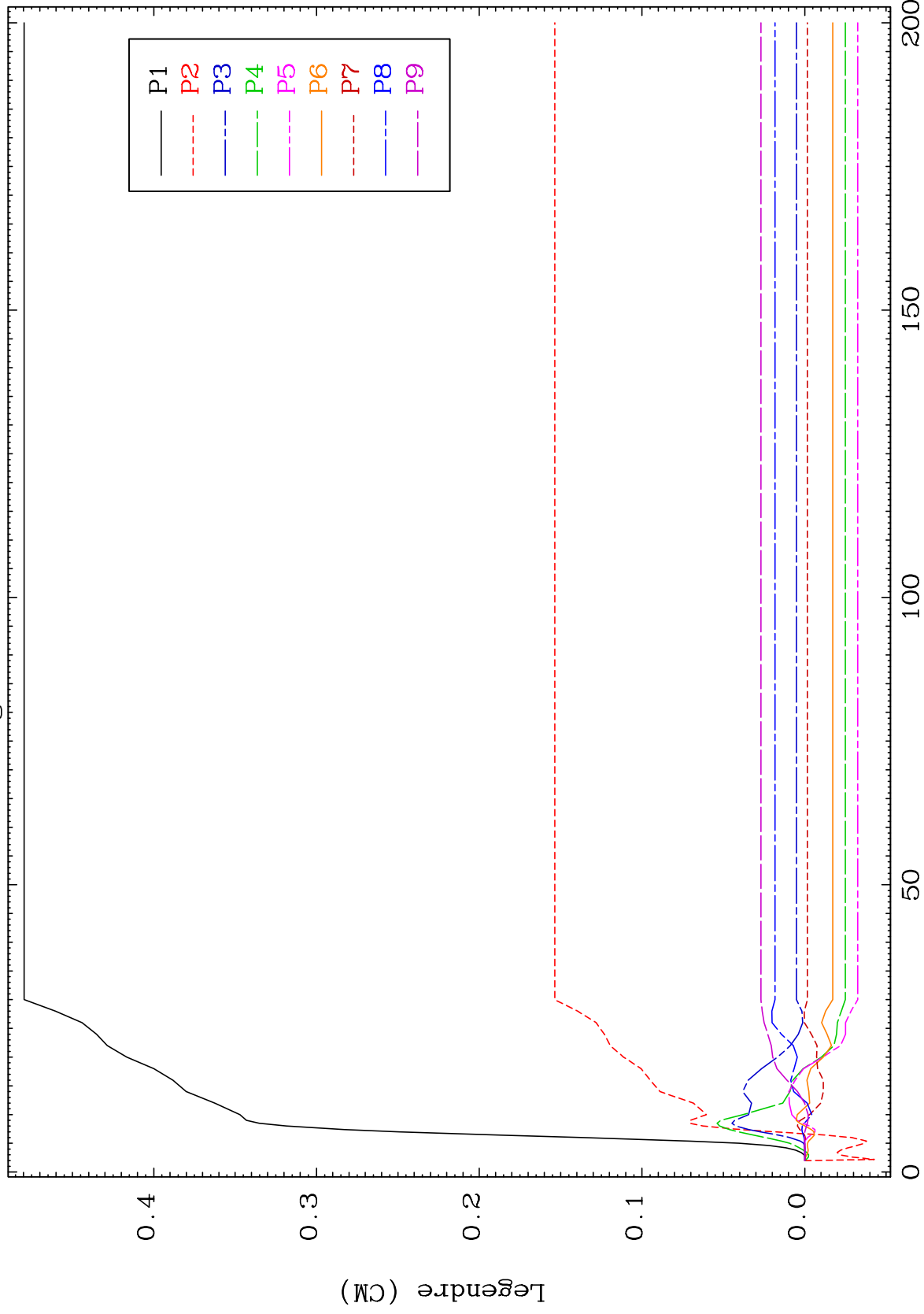
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



57

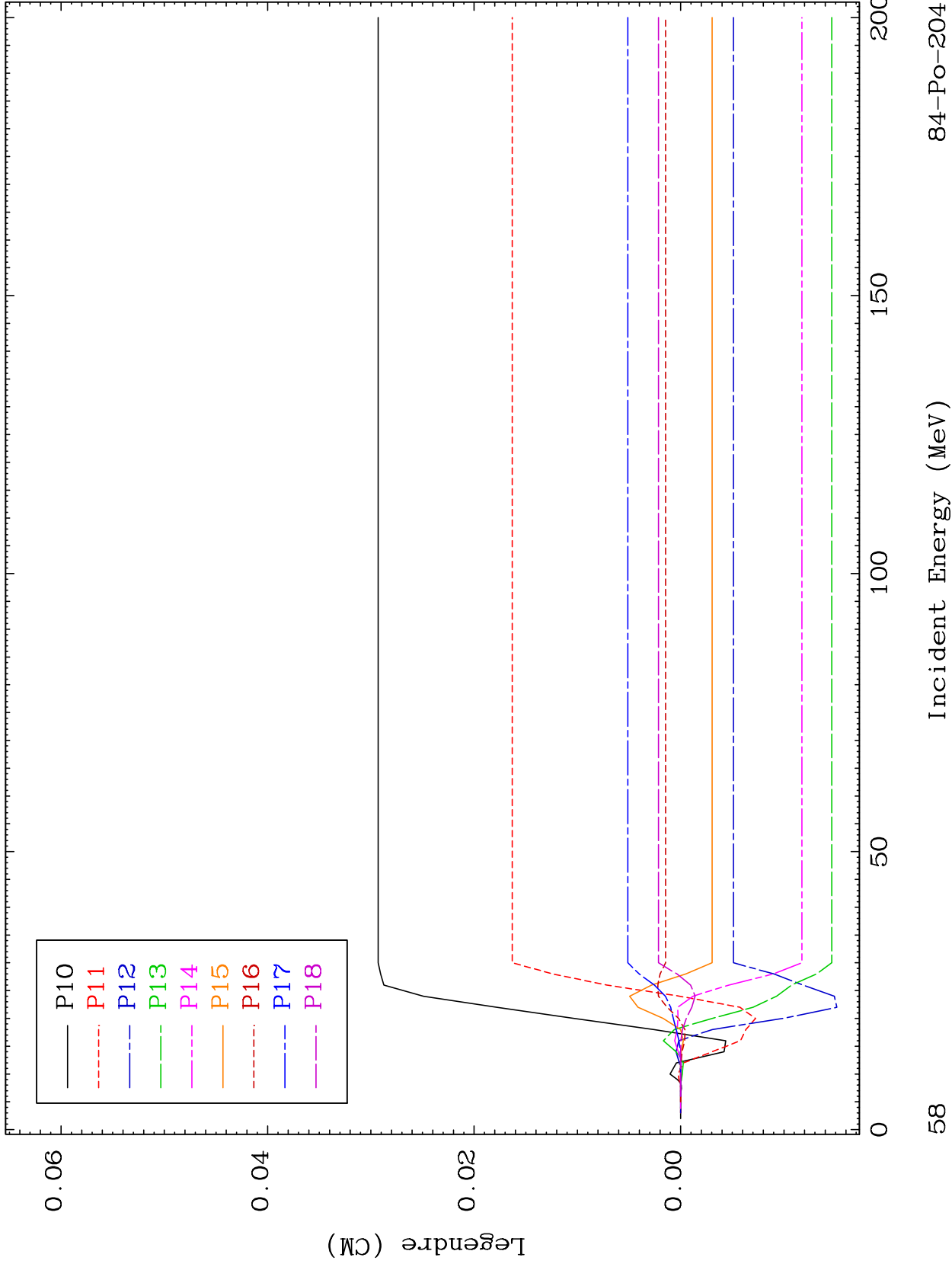
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204

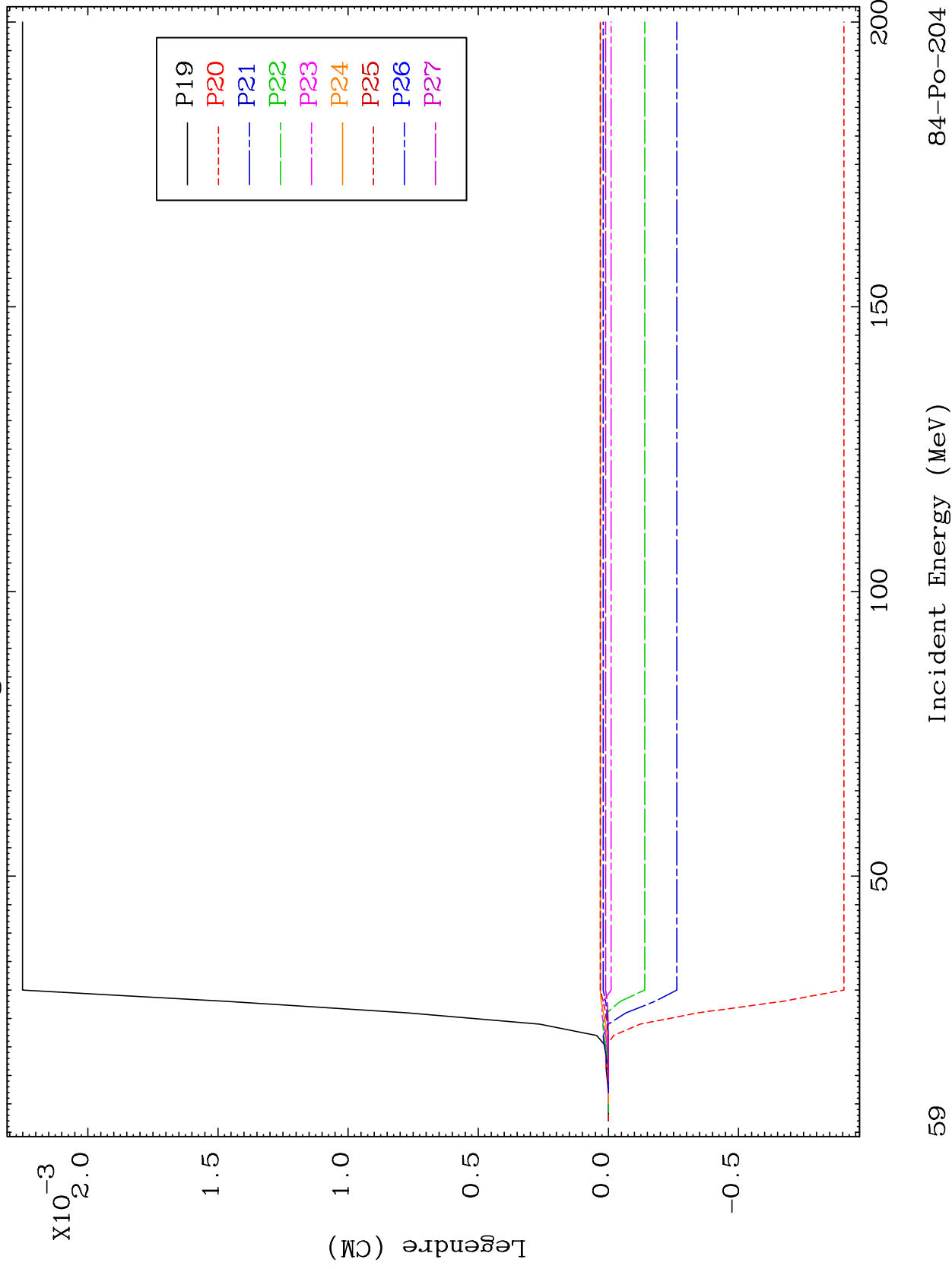


58

MAT 8419

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

84-Po-204



59

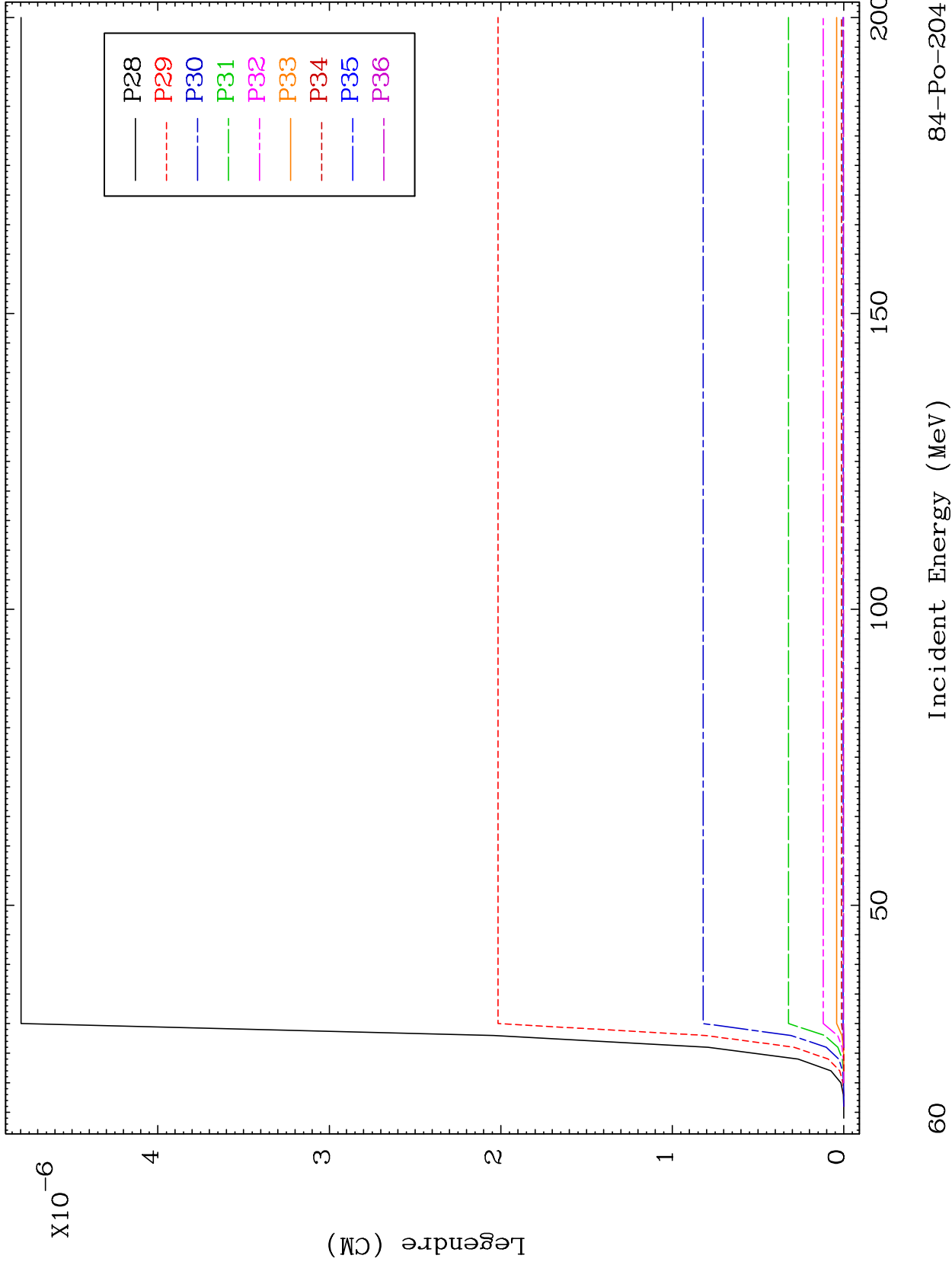
Incident Energy (MeV)

84-Po-204

MAT 8419

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

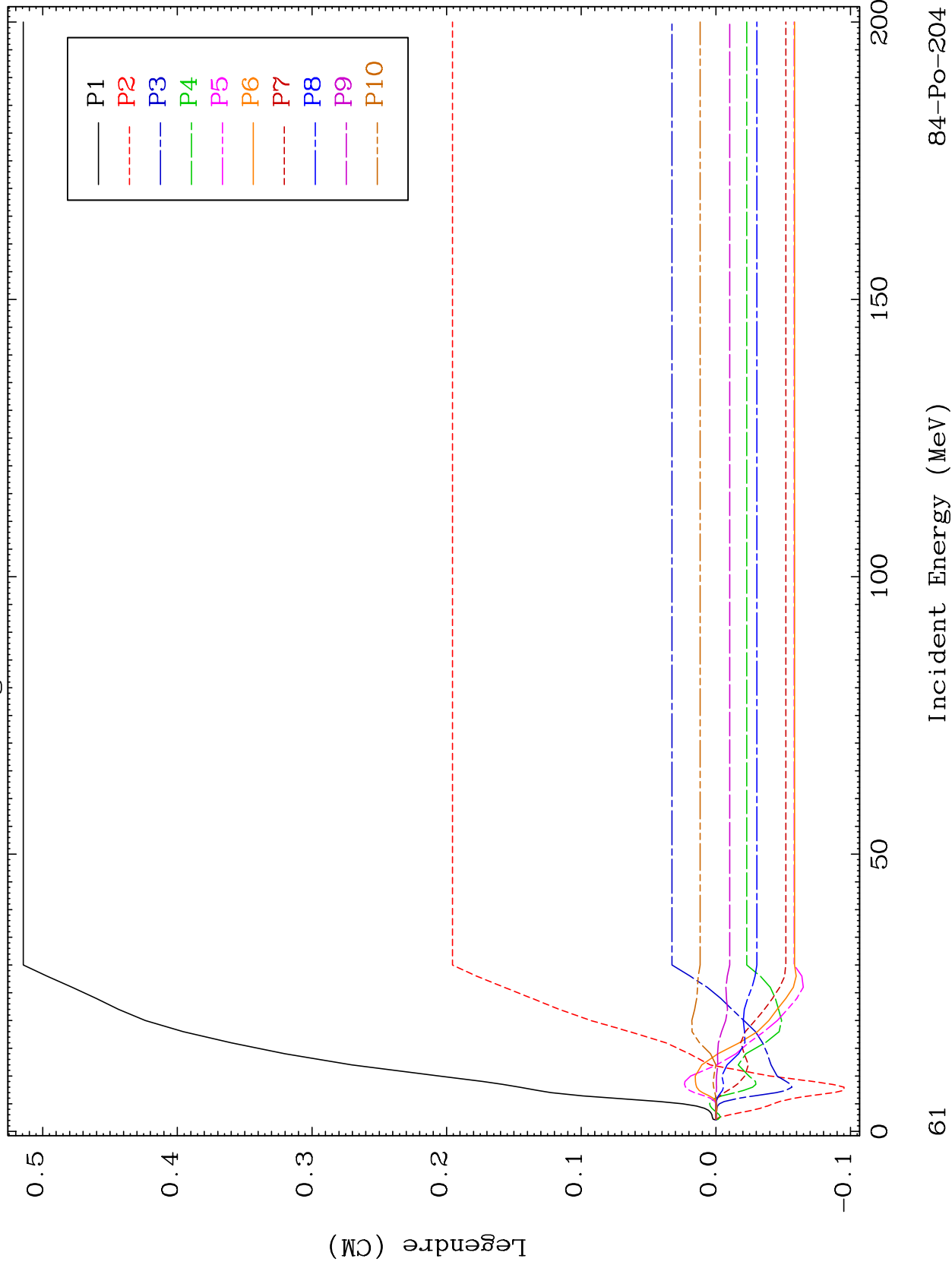
84-Po-204



MAT 8419

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

84-Po-204



84-Po-204

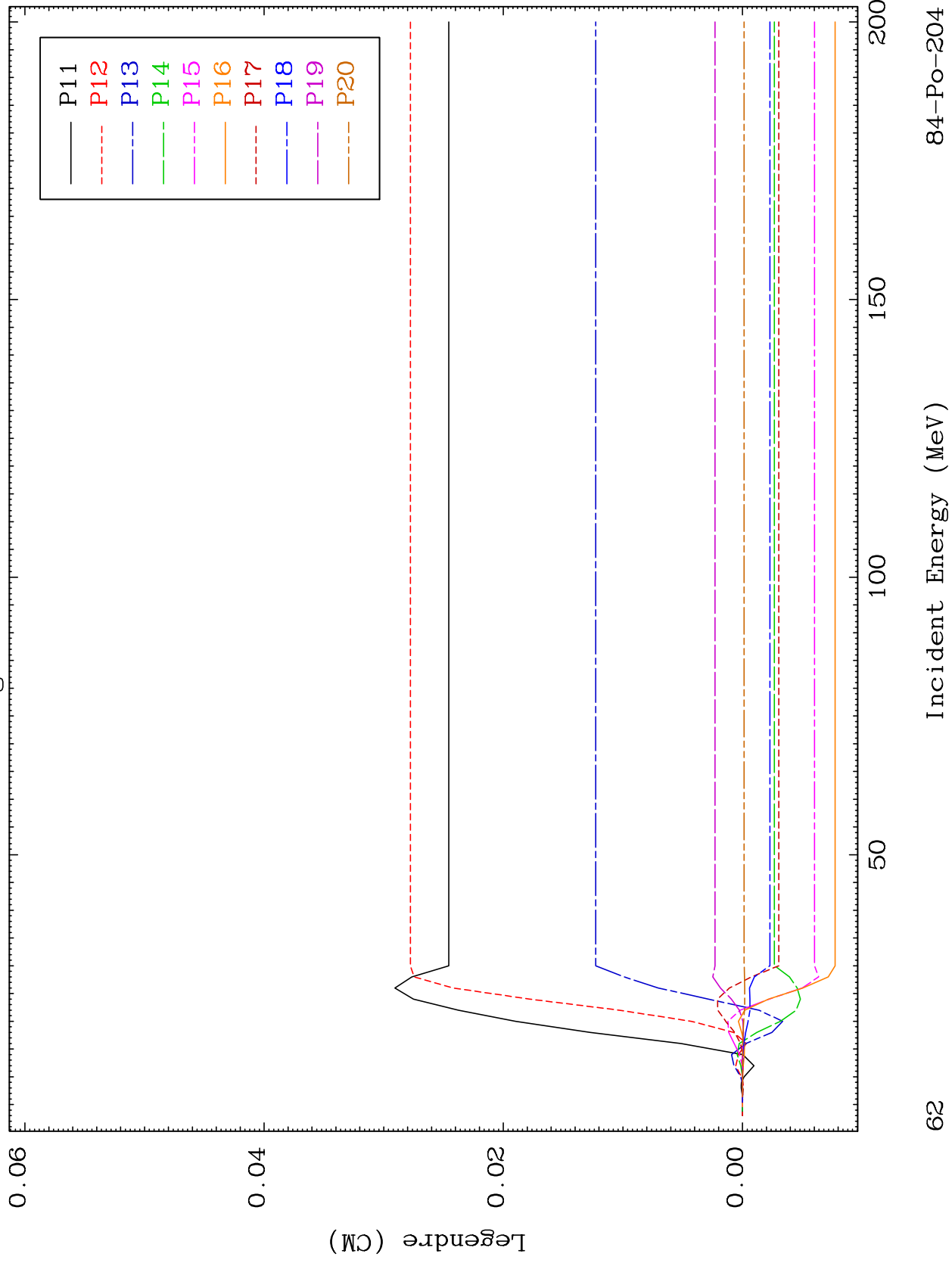
Incident Energy (MeV)

61

MAT 8419

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

84-Po-204



62

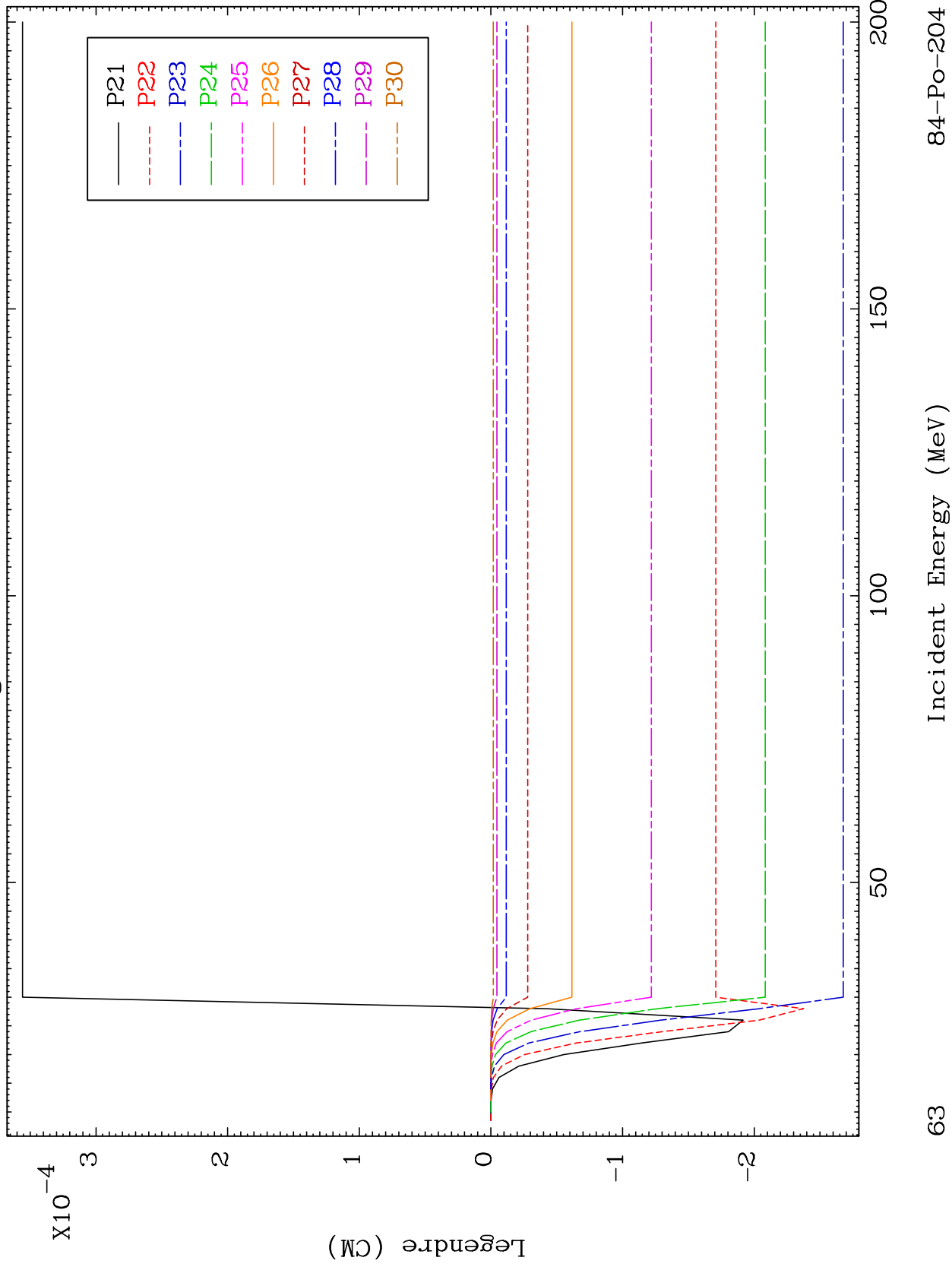
Incident Energy (MeV)

84-Po-204

MAT 8419

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

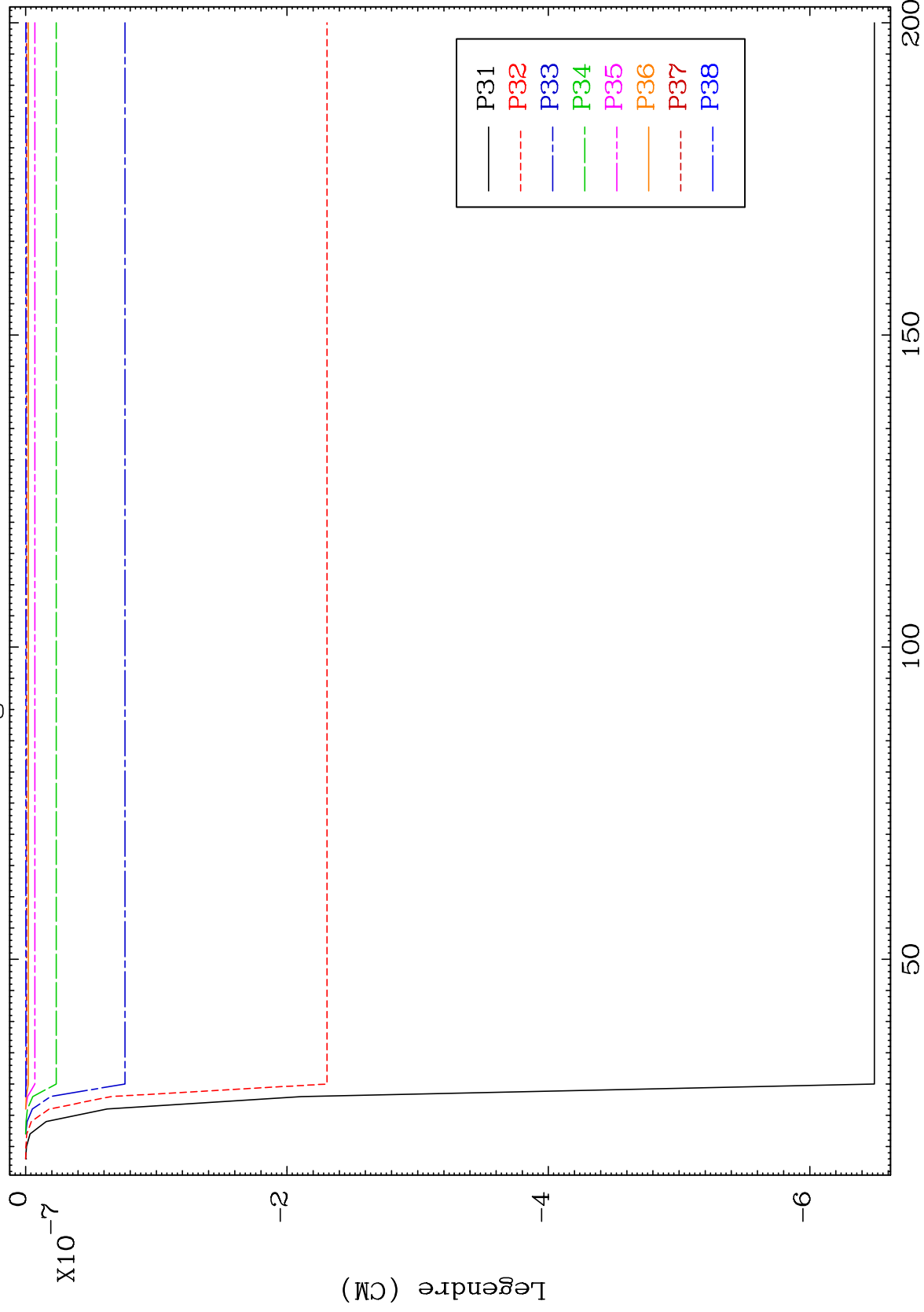
84-Po-204



MAT 8419

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

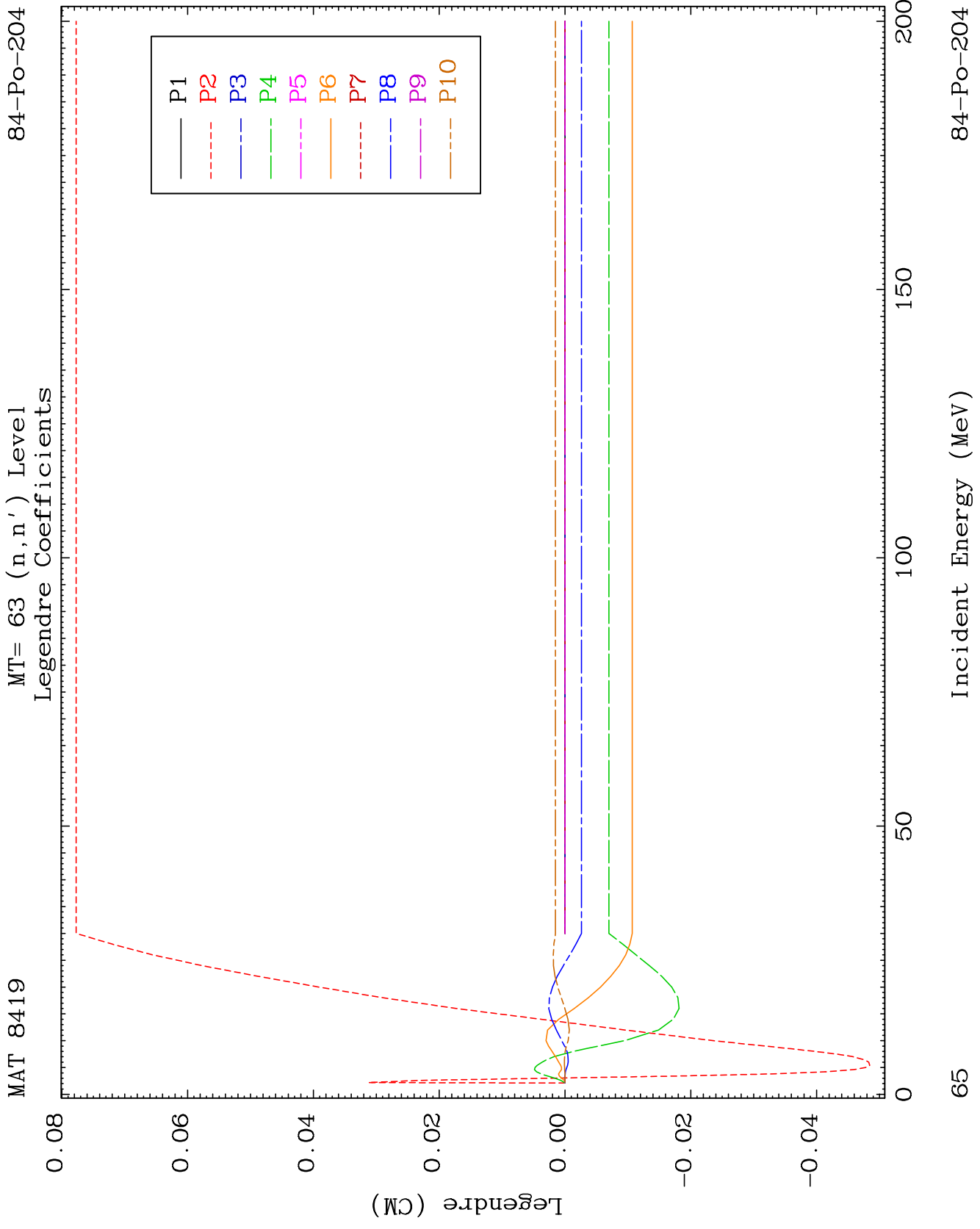
84-Po-204



64

Incident Energy (MeV)

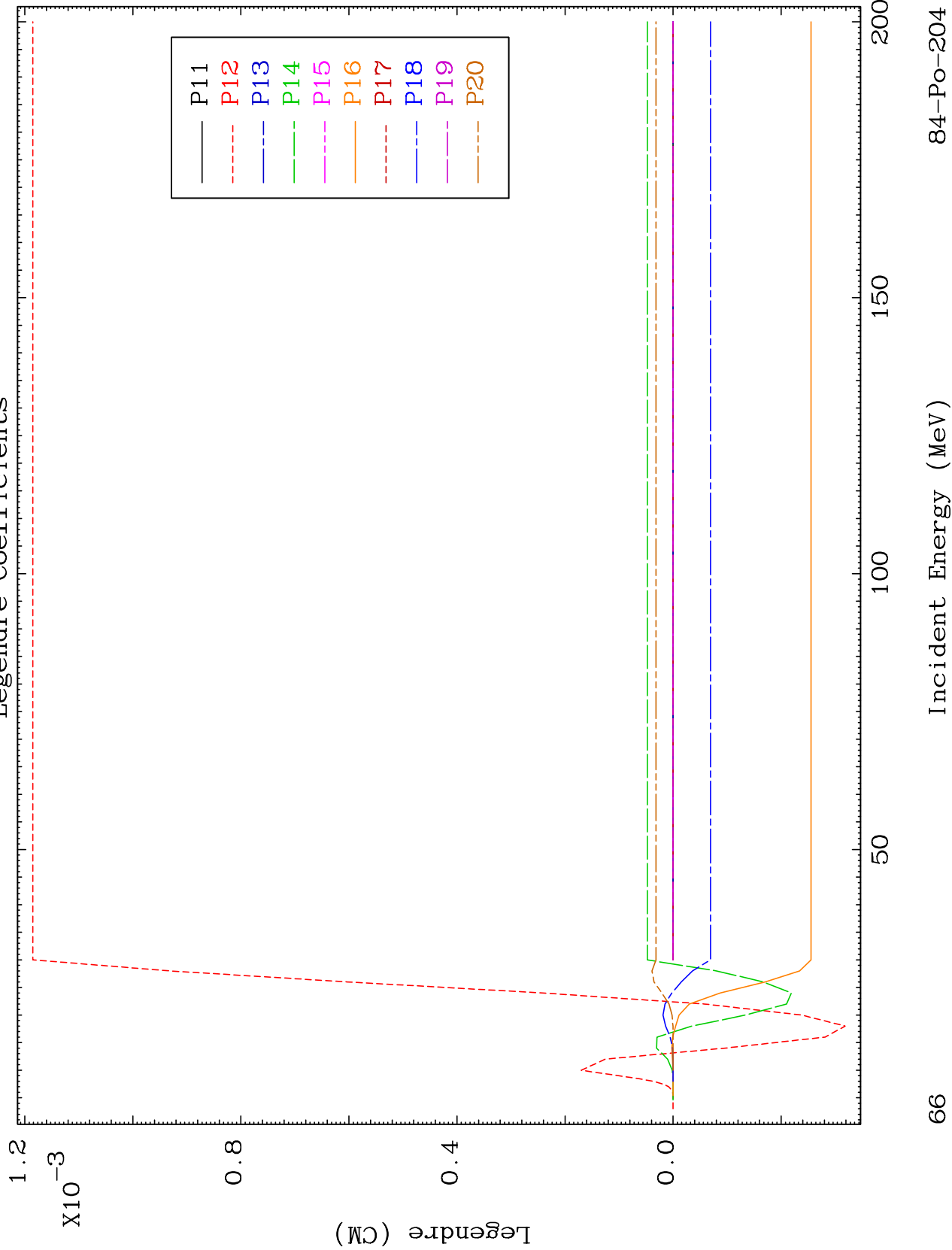
84-Po-204



MAT 8419

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

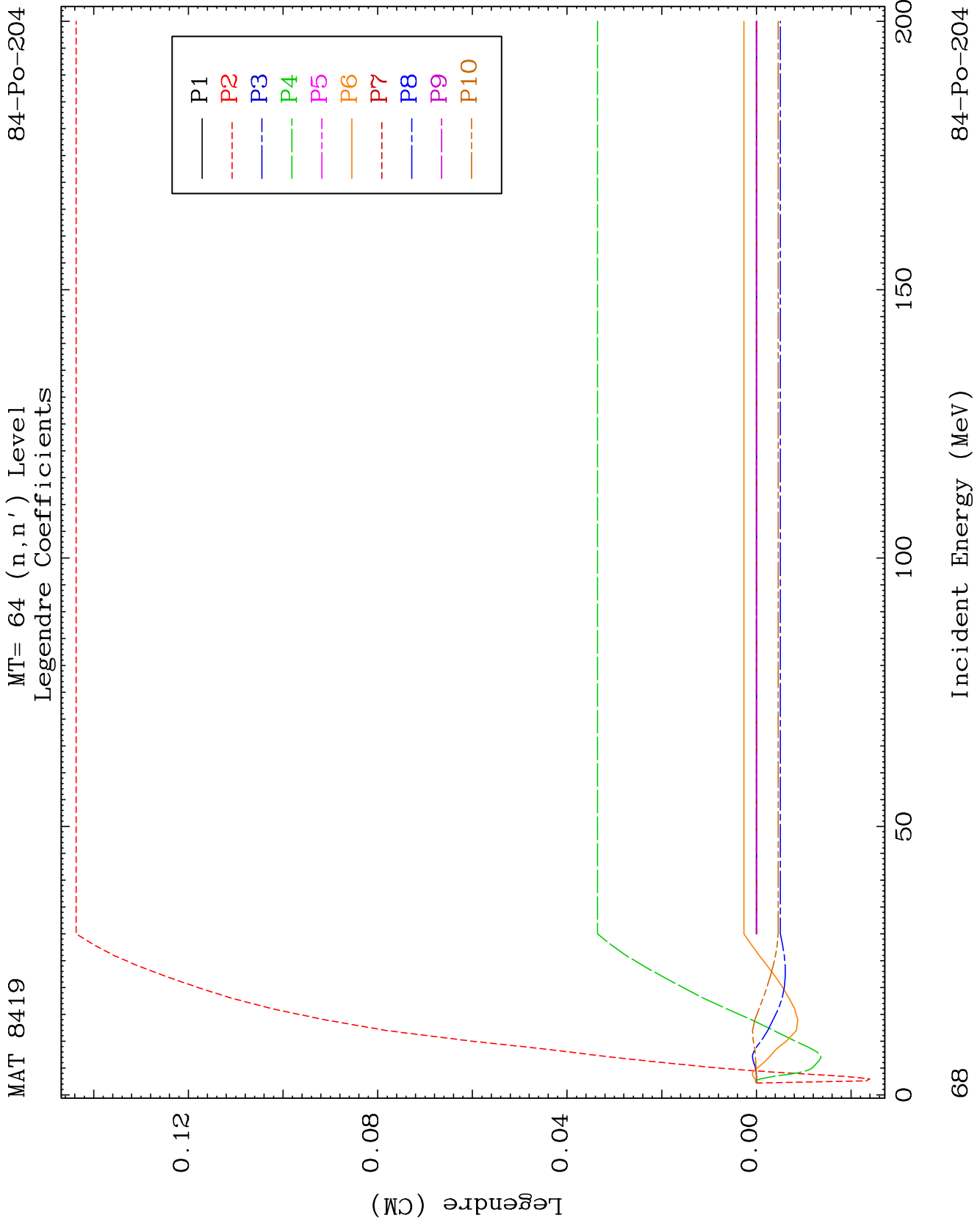
84-Po-204

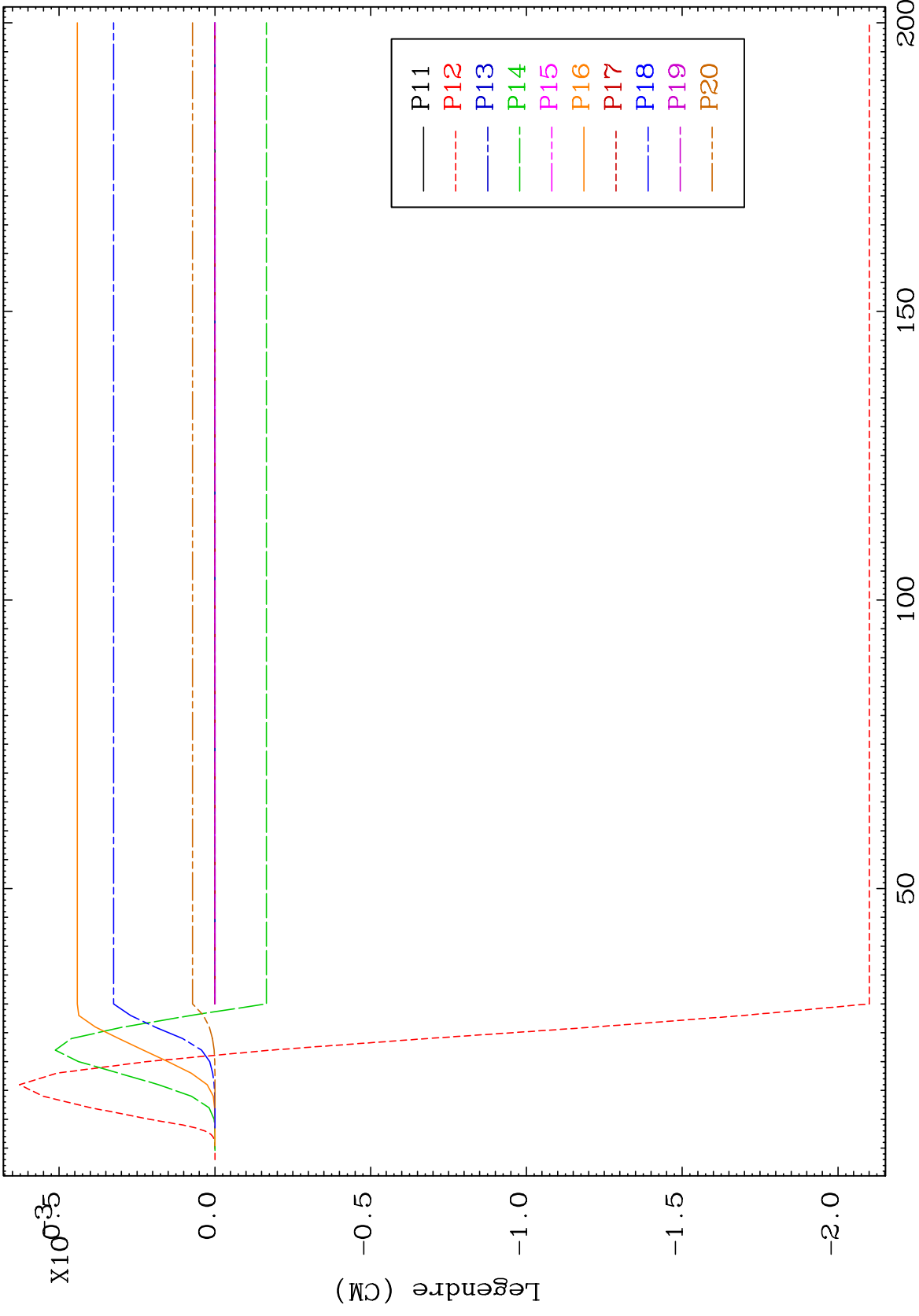


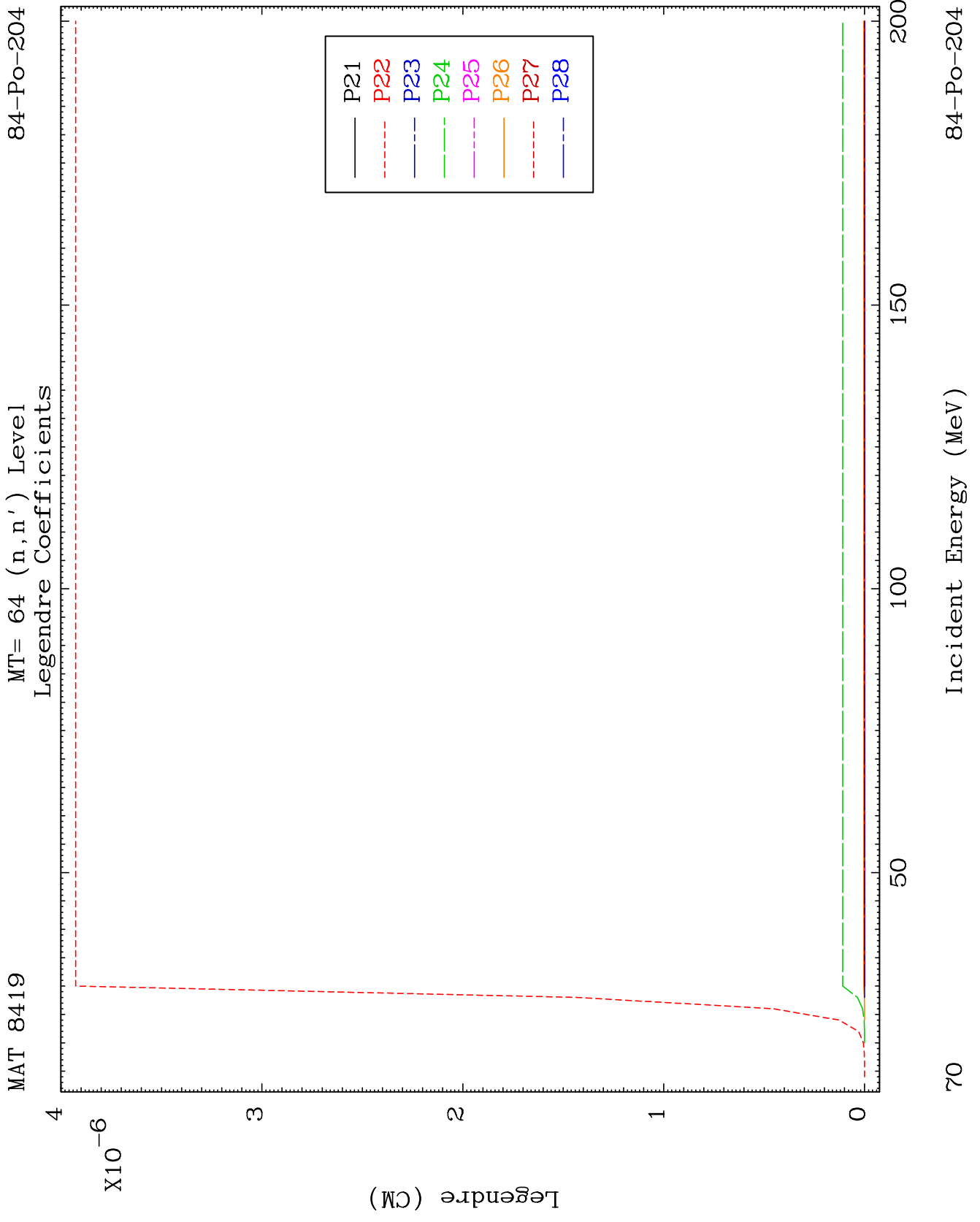
66

Incident Energy (MeV)

84-Po-204



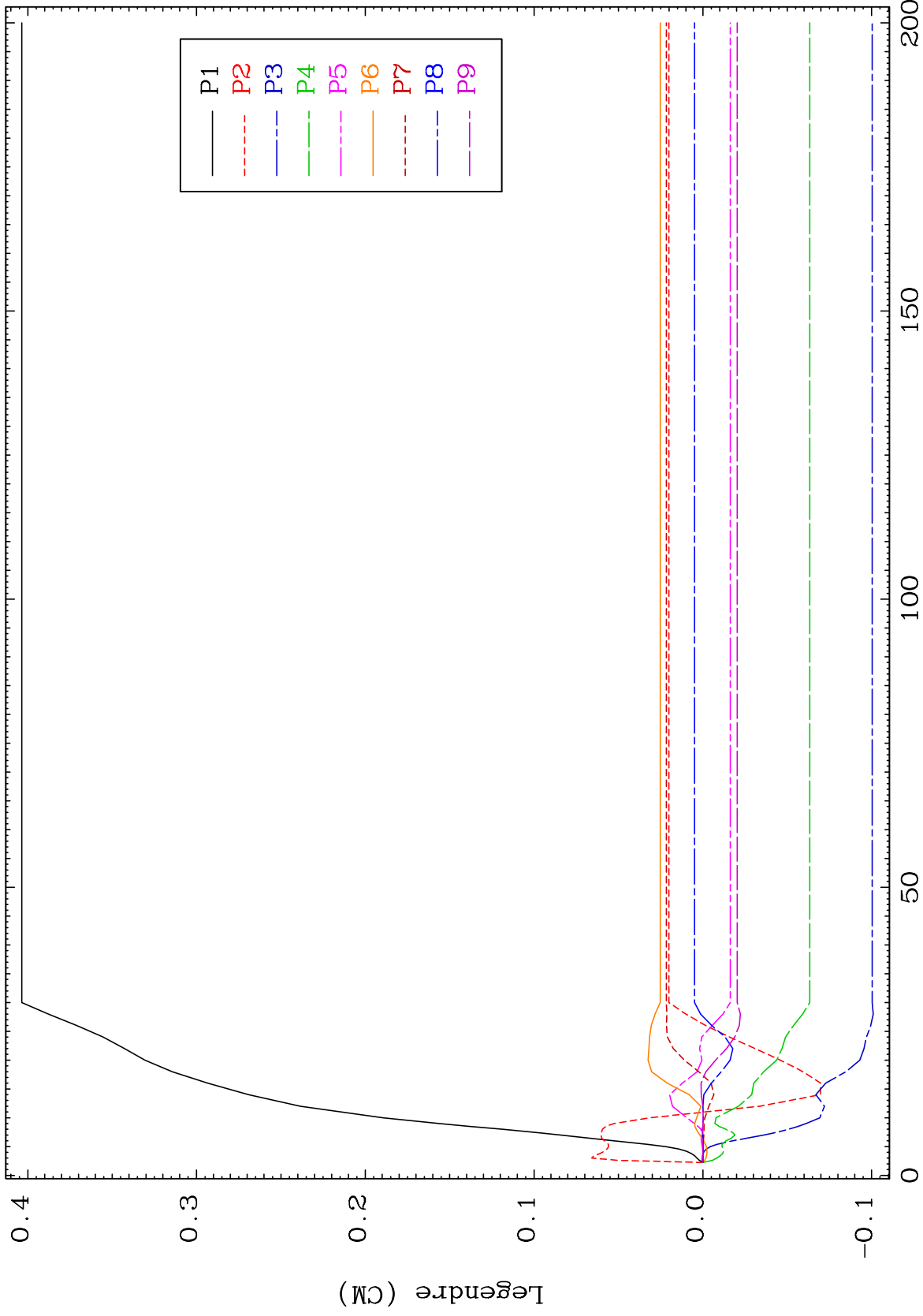




MAT 8419

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

84-Po-204



71

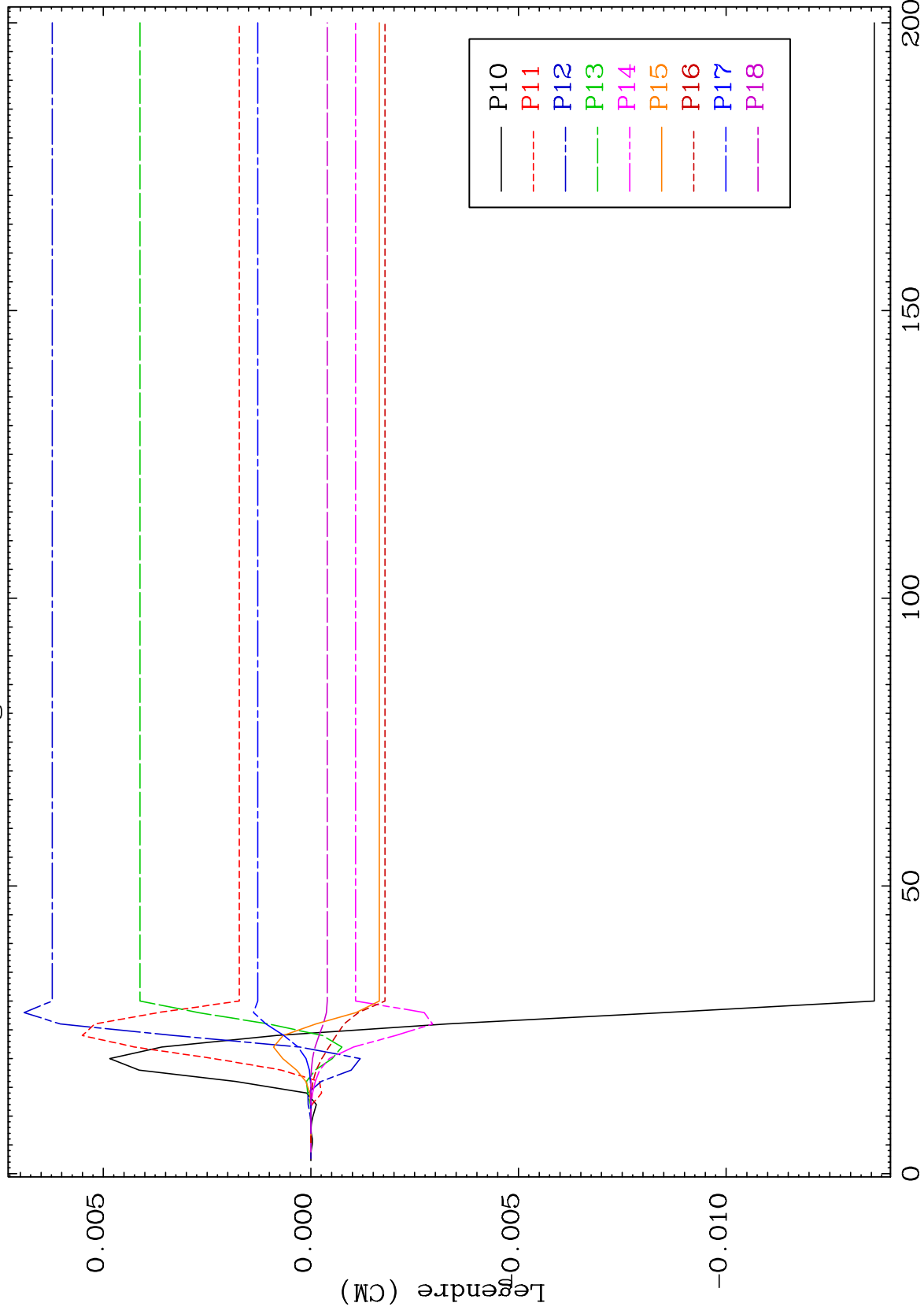
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

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



72

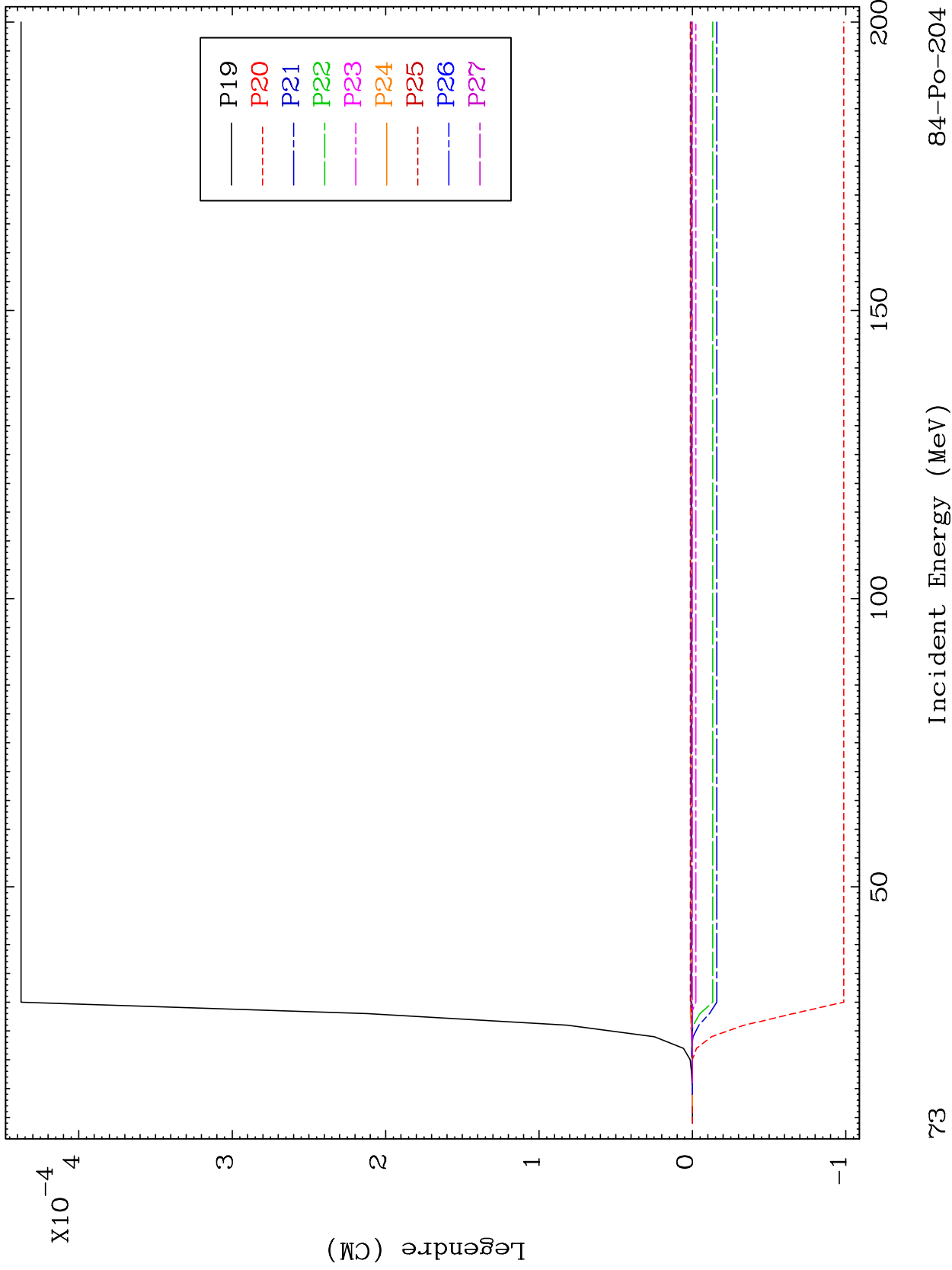
Incident Energy (MeV)

84-Po-204

MAT 8419

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

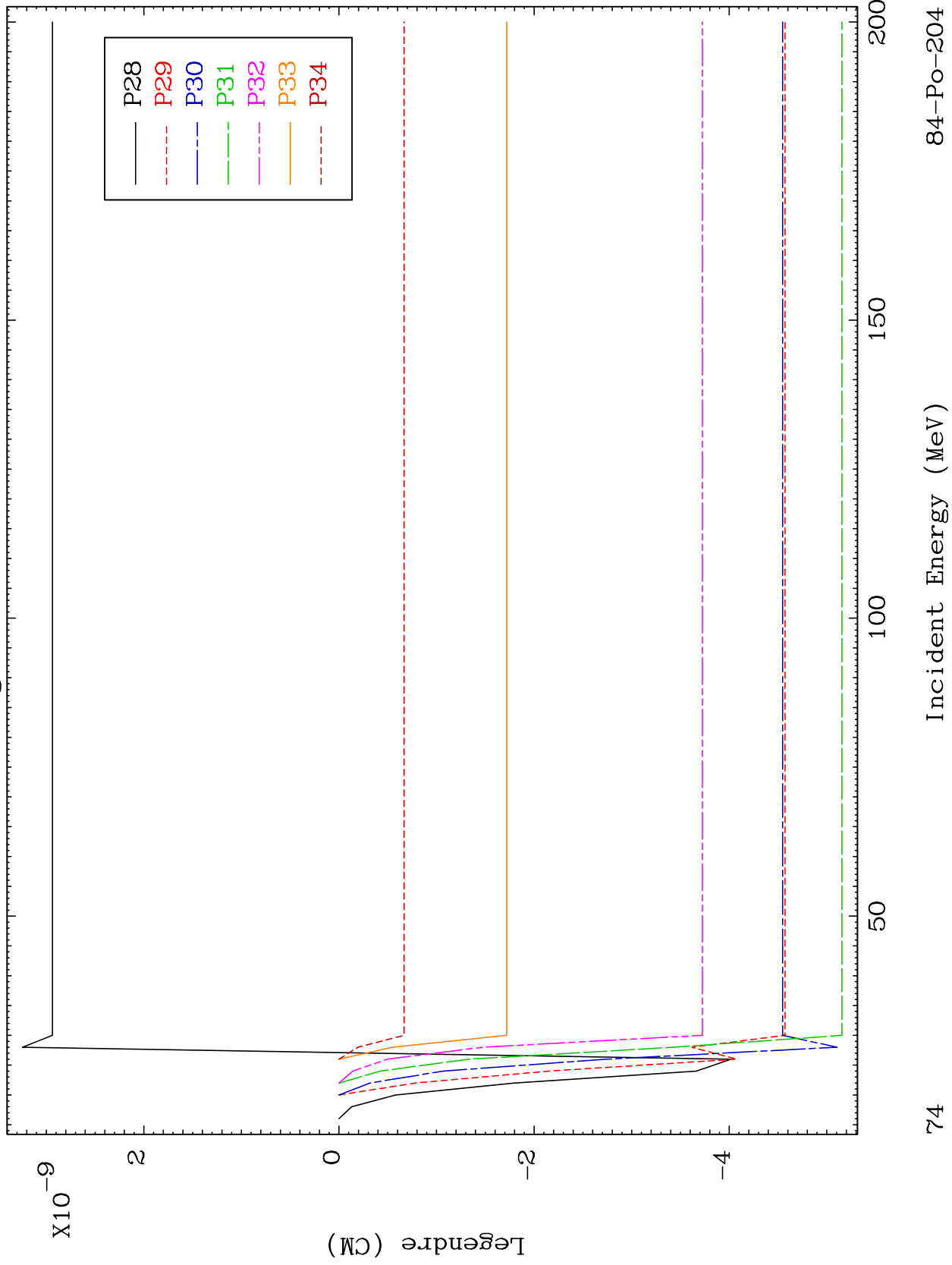
84-Po-204



MAT 8419

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

84-Po-204



74

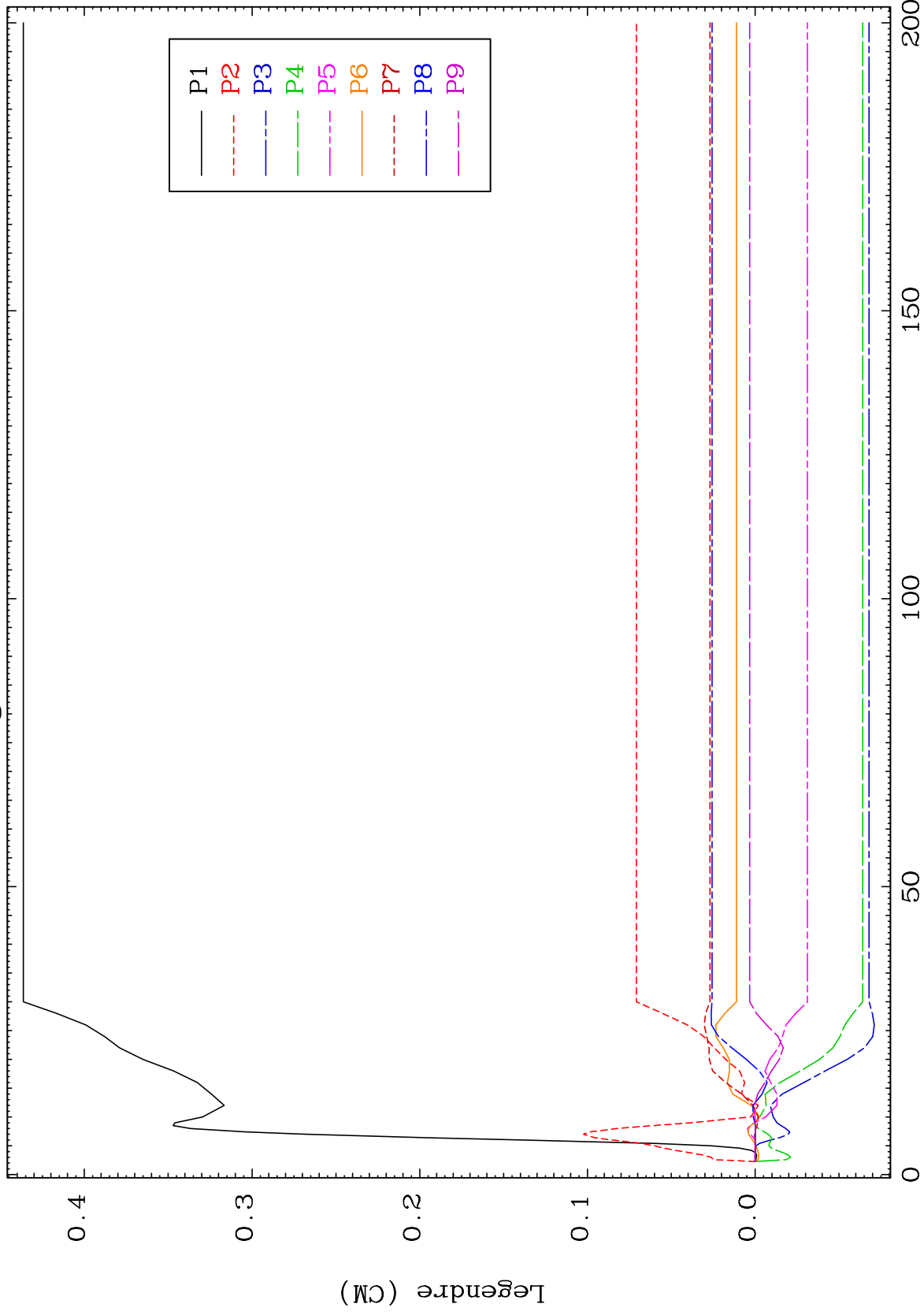
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



75

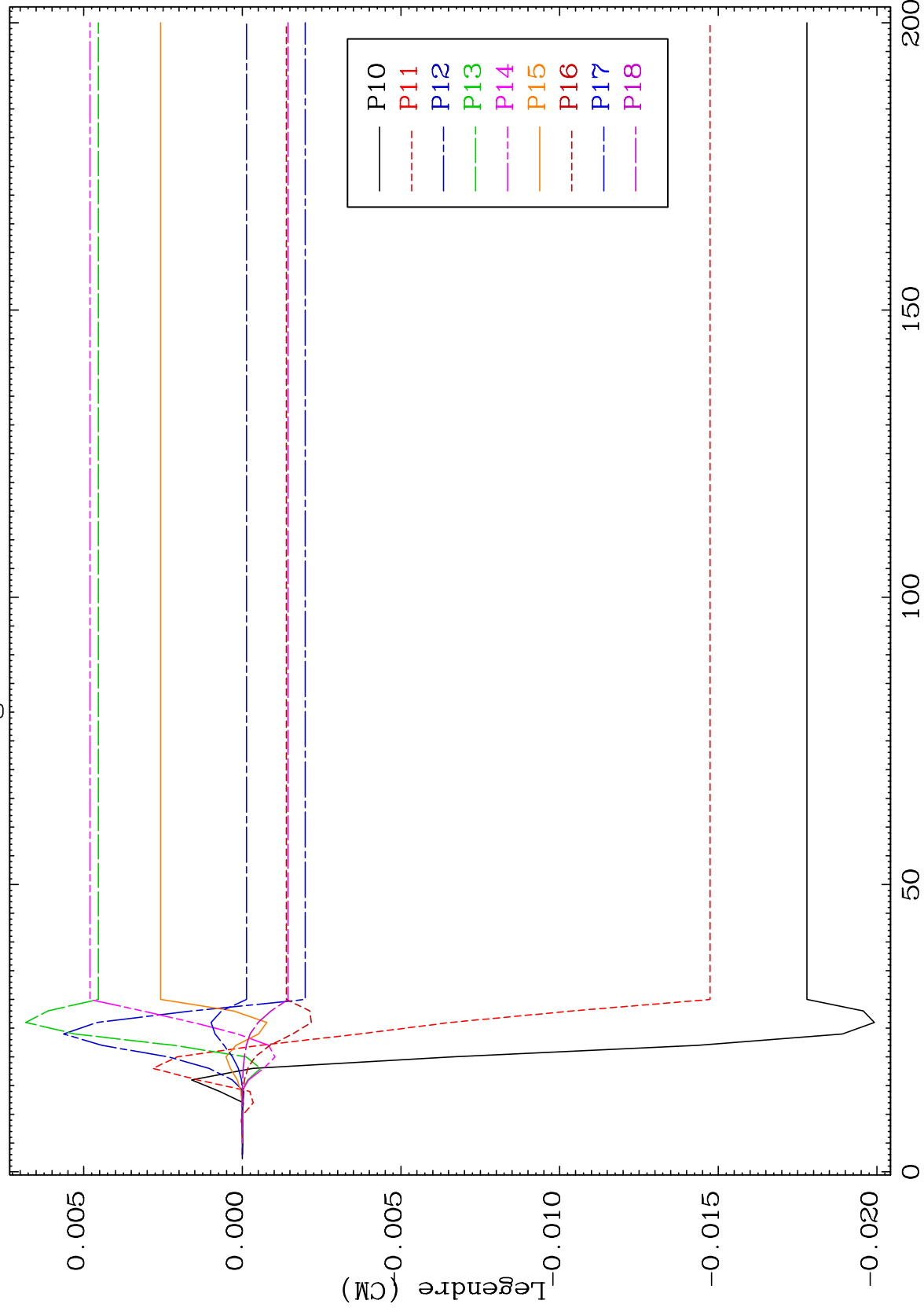
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



76

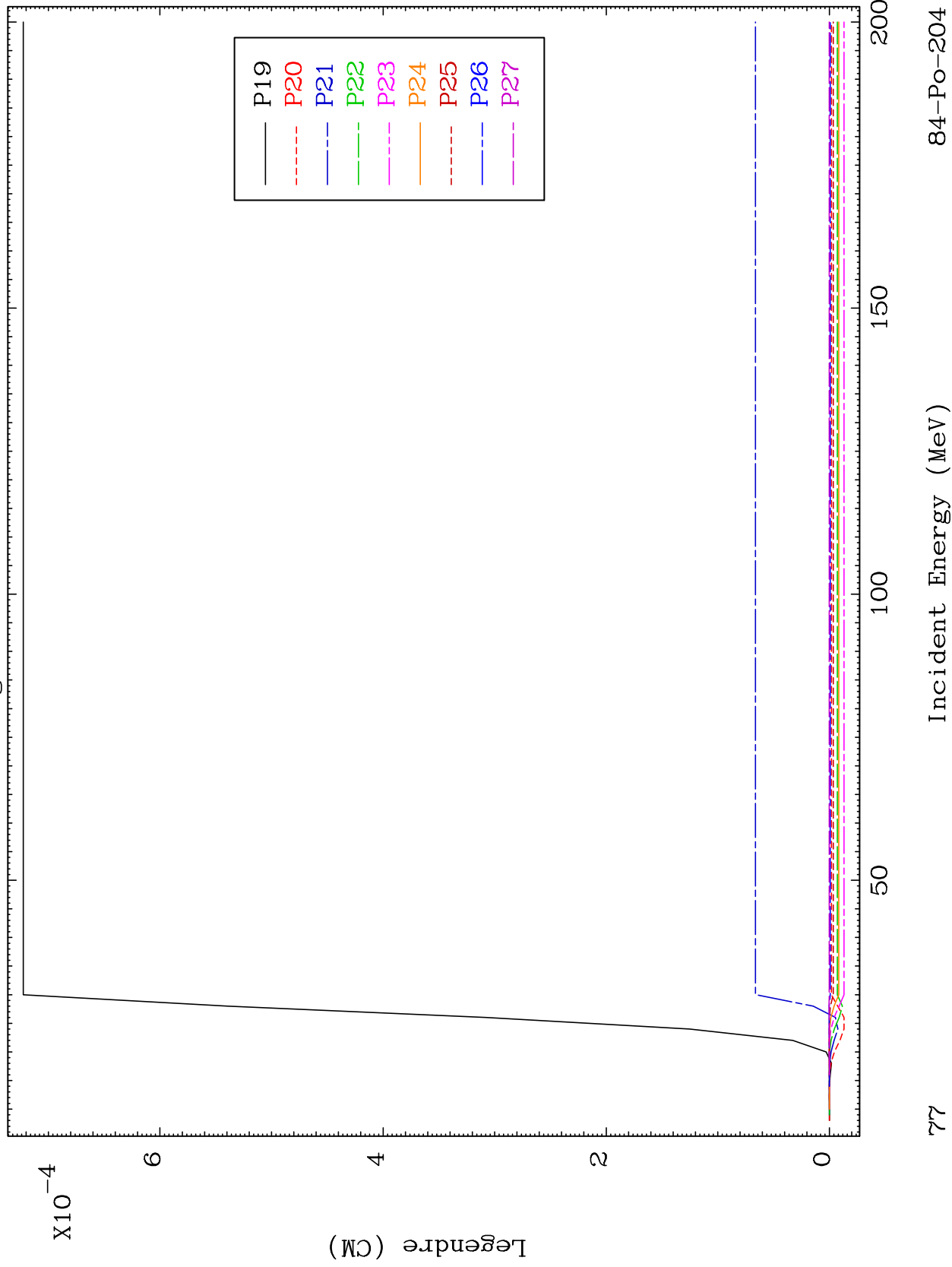
Incident Energy (MeV)

84-Po-204

MAT 8419

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

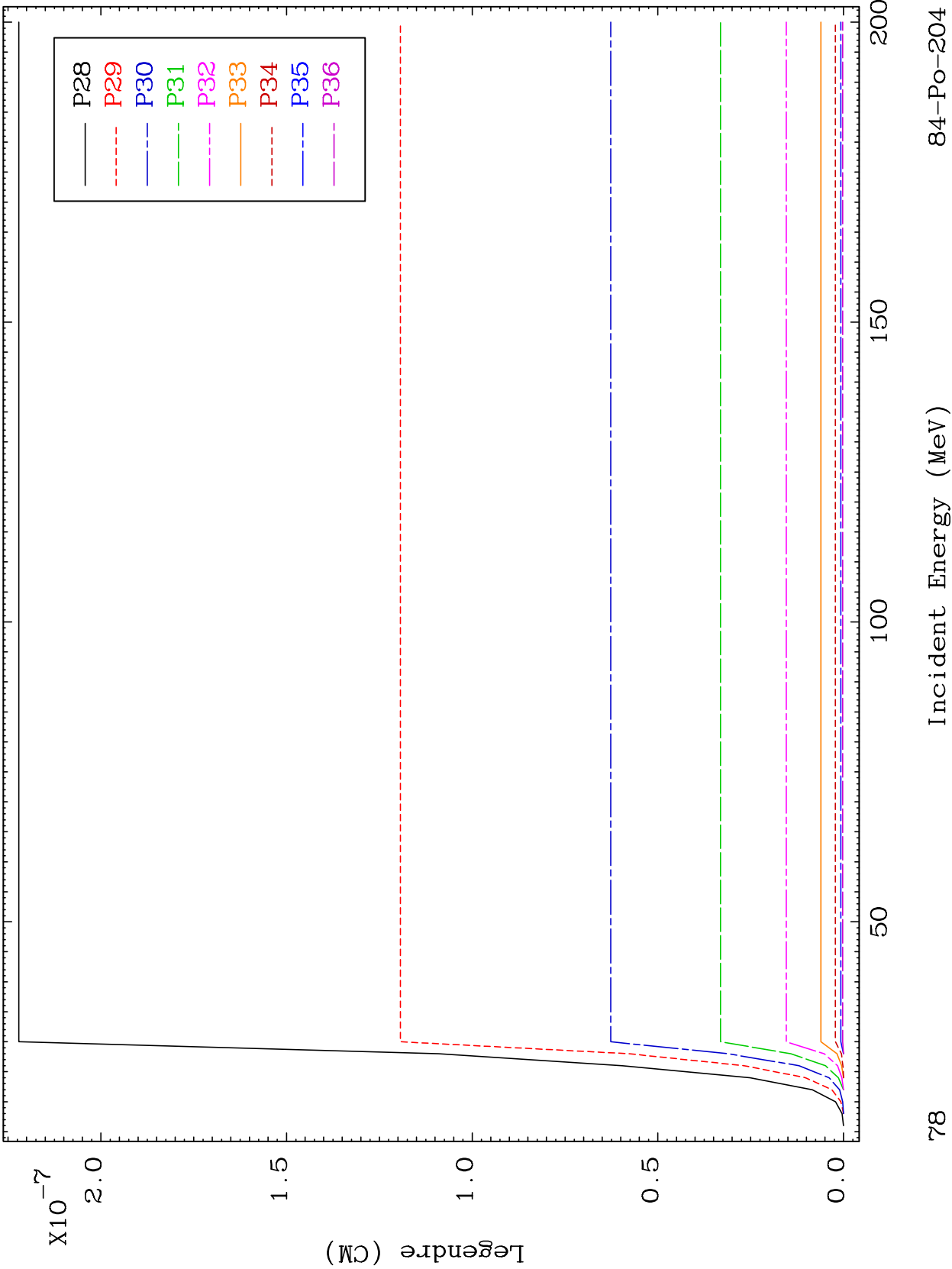
84-Po-204



MAT 8419

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

84-Po-204



78

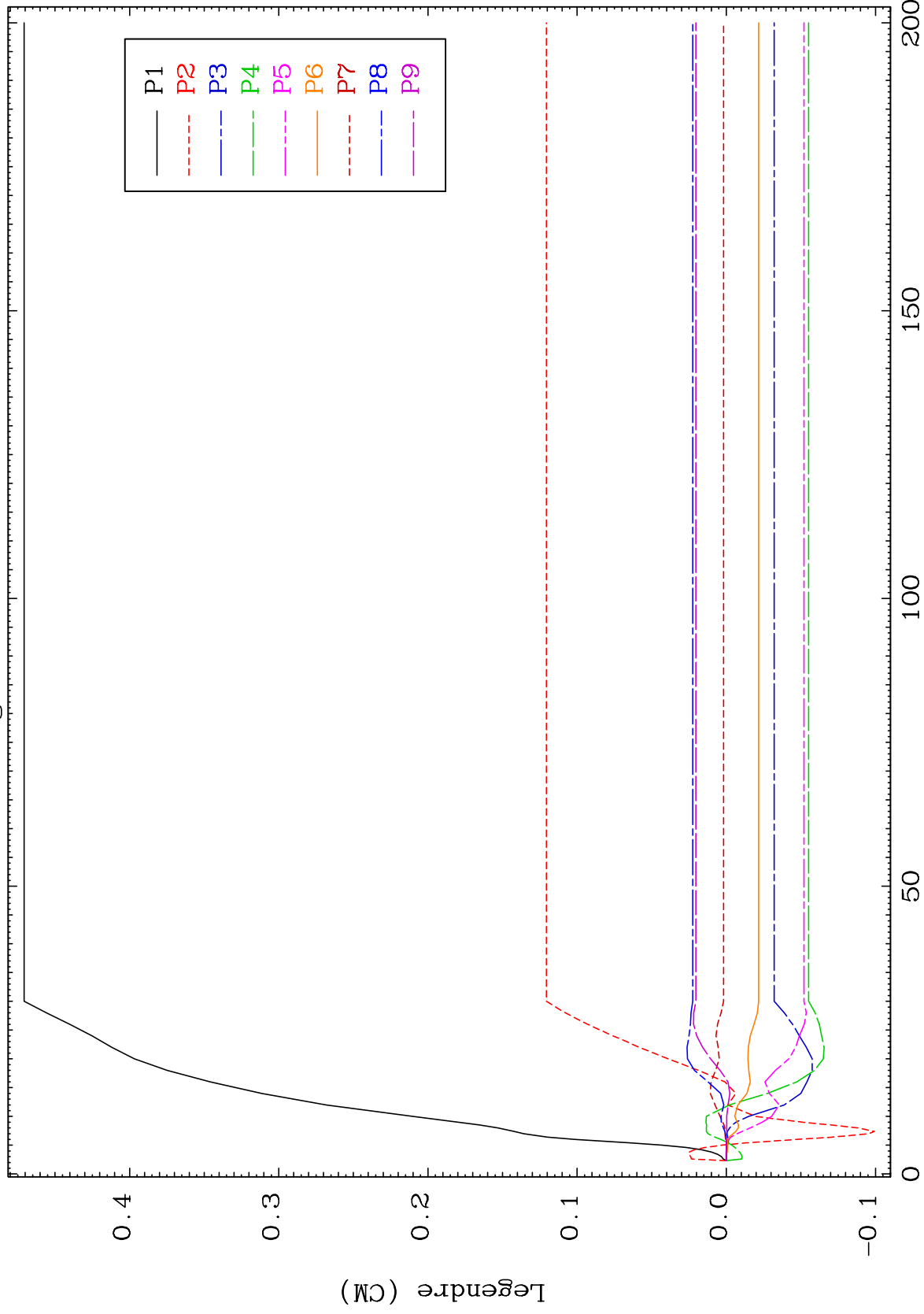
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



79

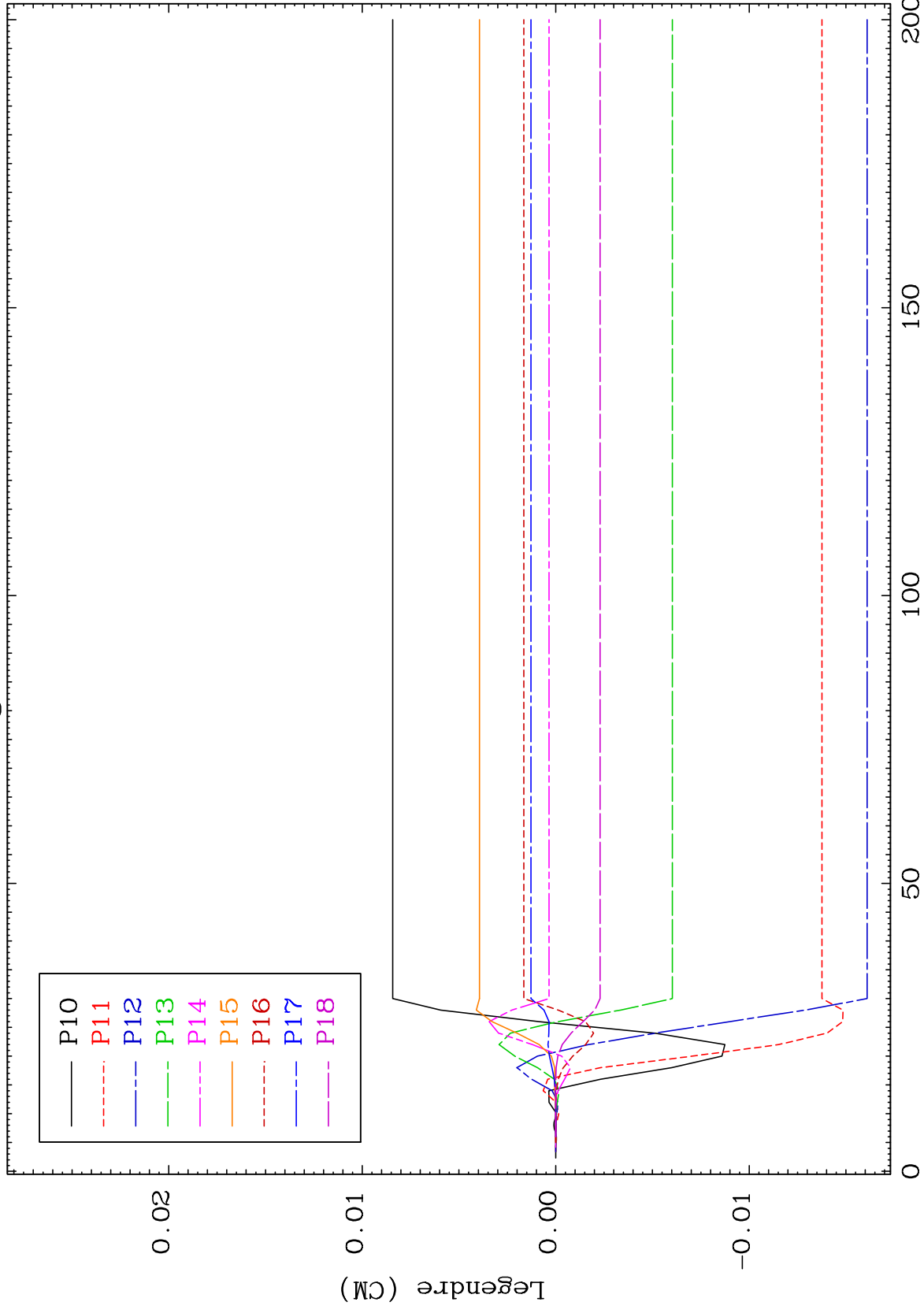
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

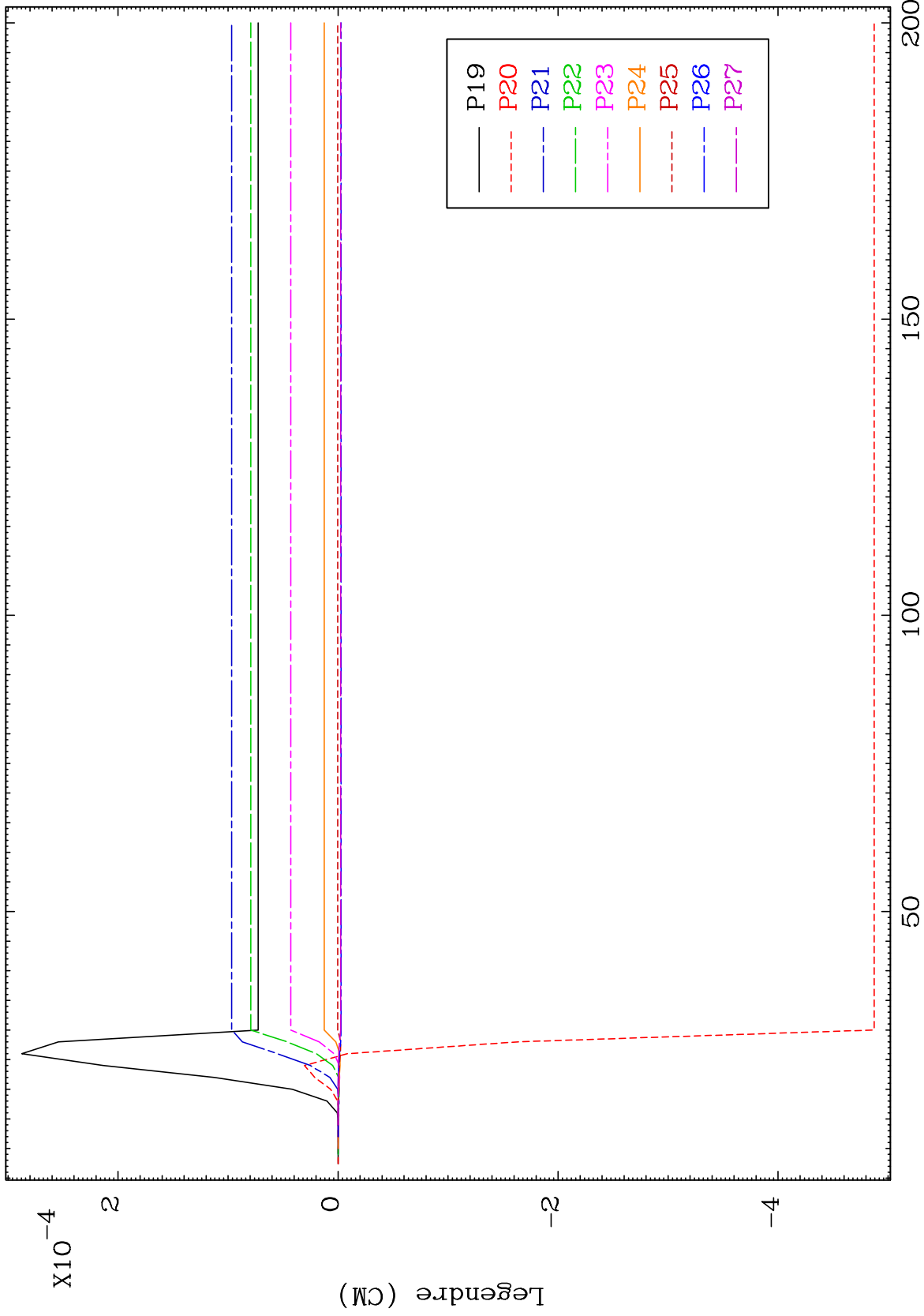
Incident Energy (MeV)

80

MAT 8419

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

84-Po-204



81

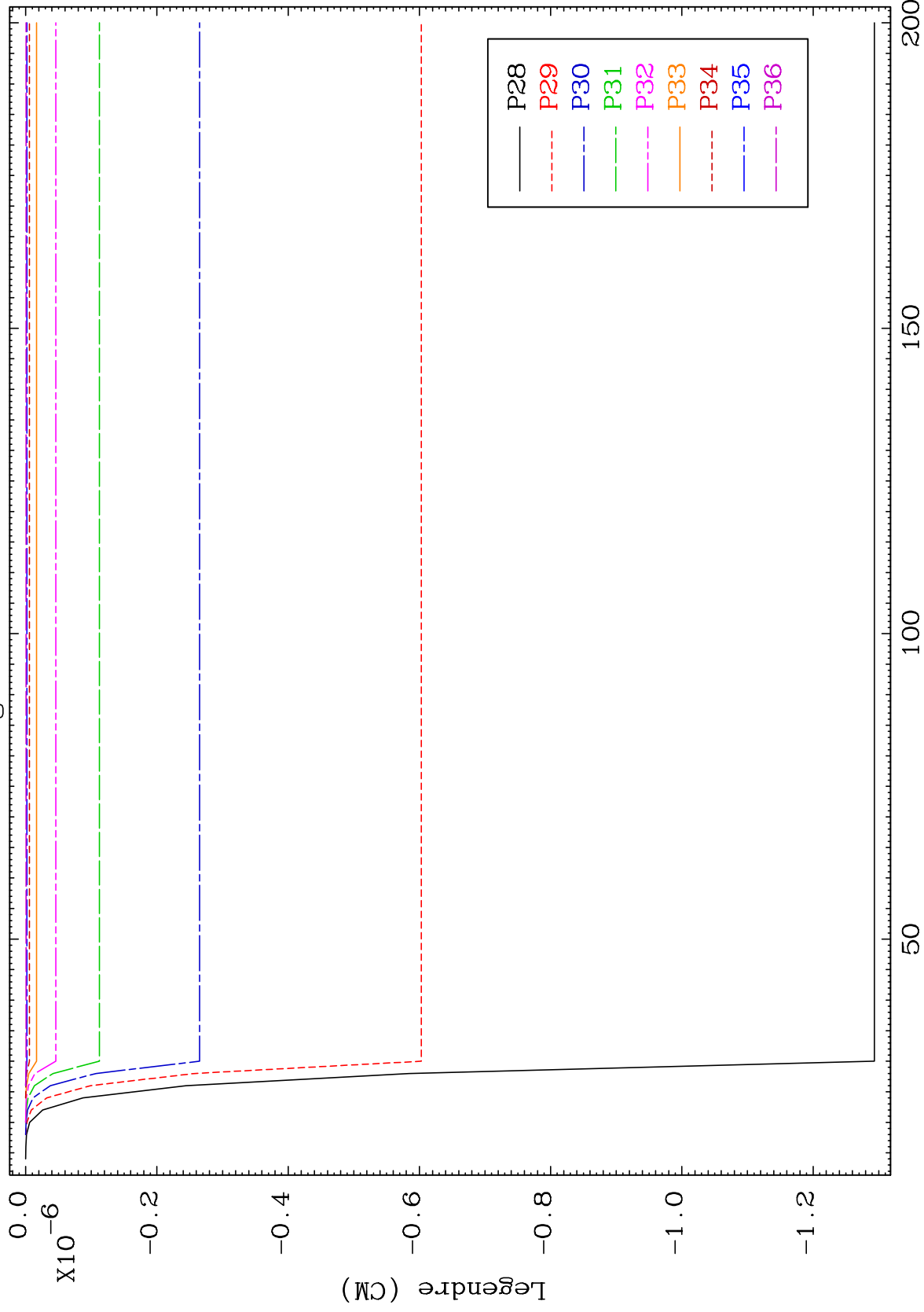
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



82

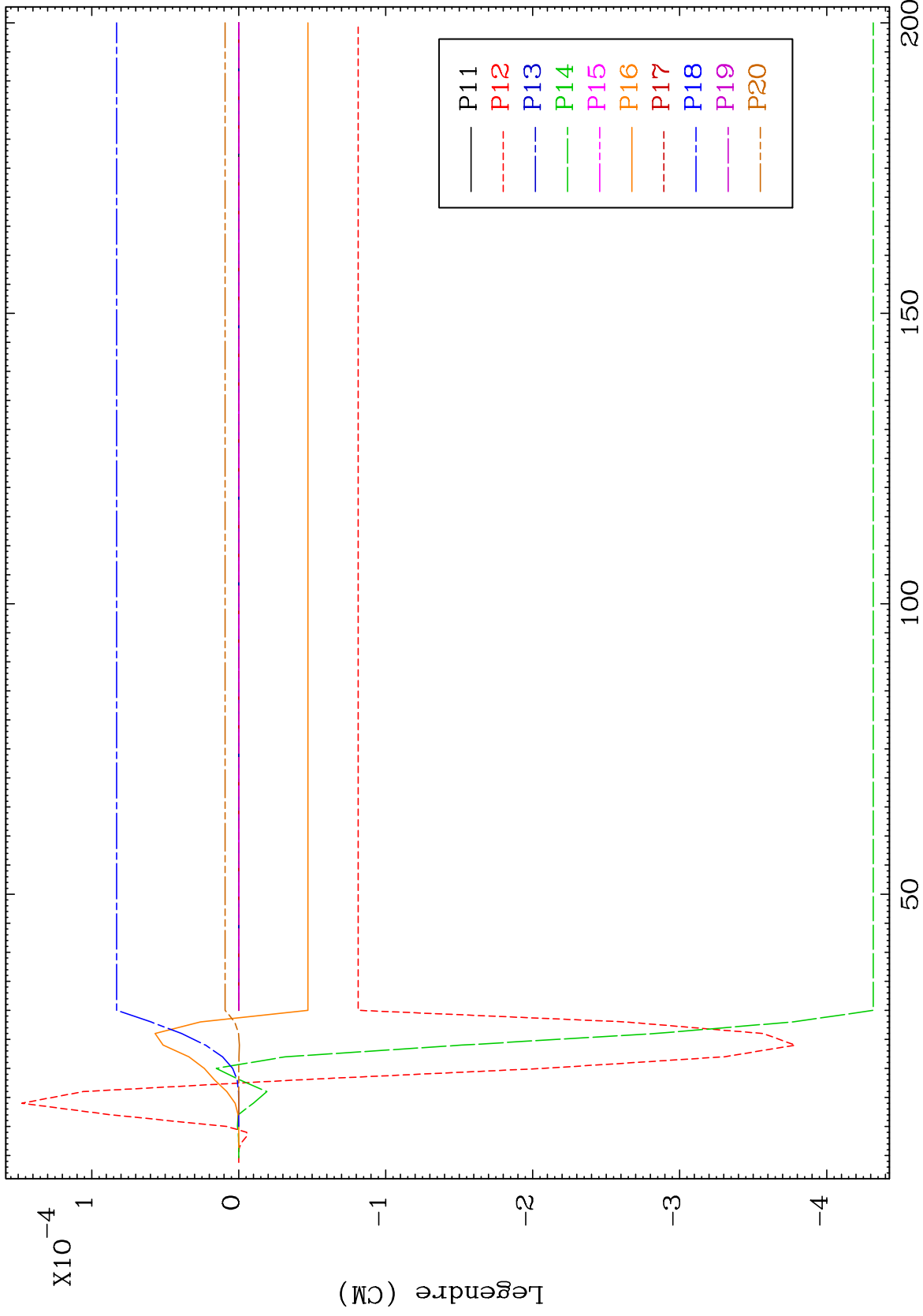
Incident Energy (MeV)

84-Po-204

MAT 8419

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

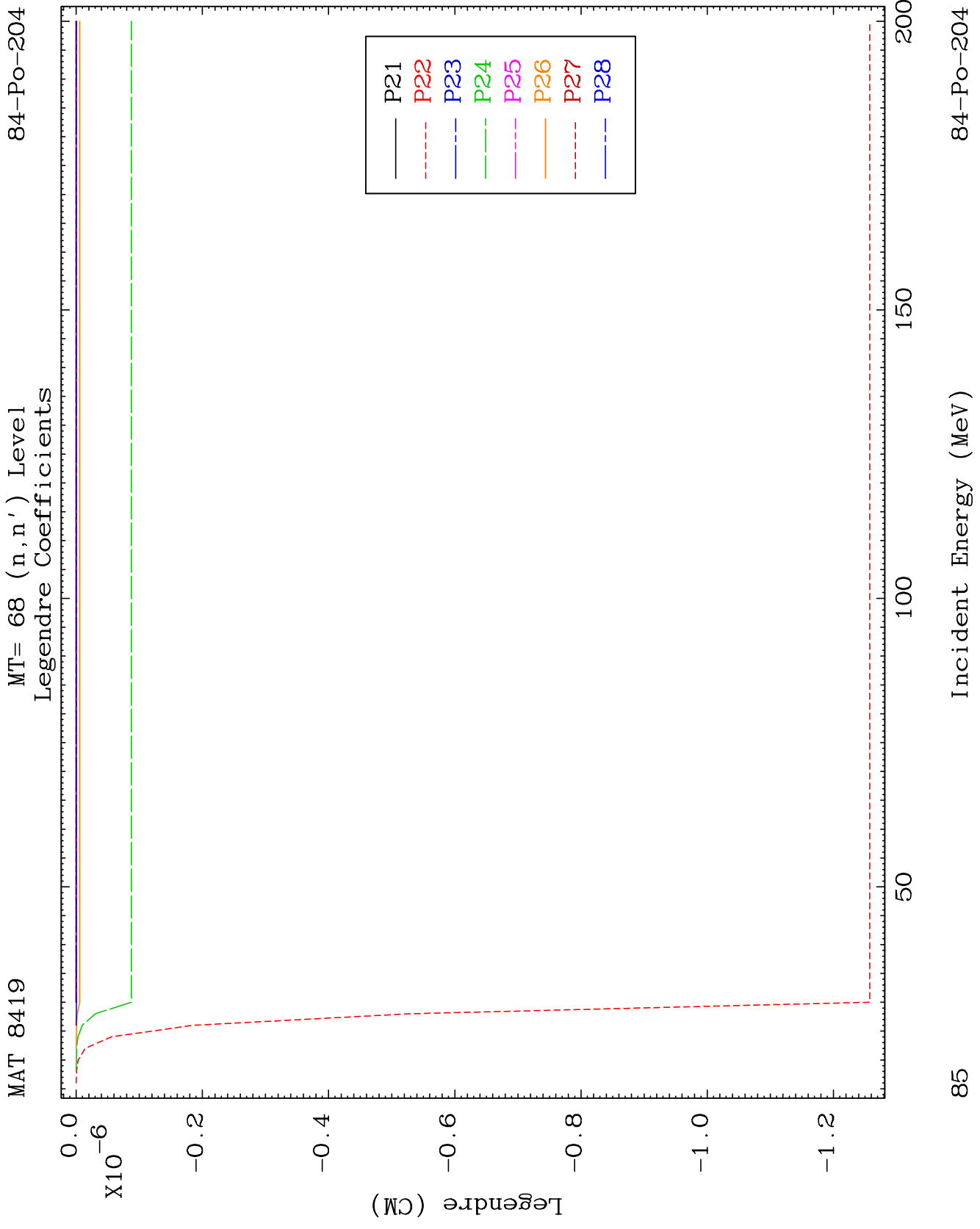
84-Po-204



84

Incident Energy (MeV)

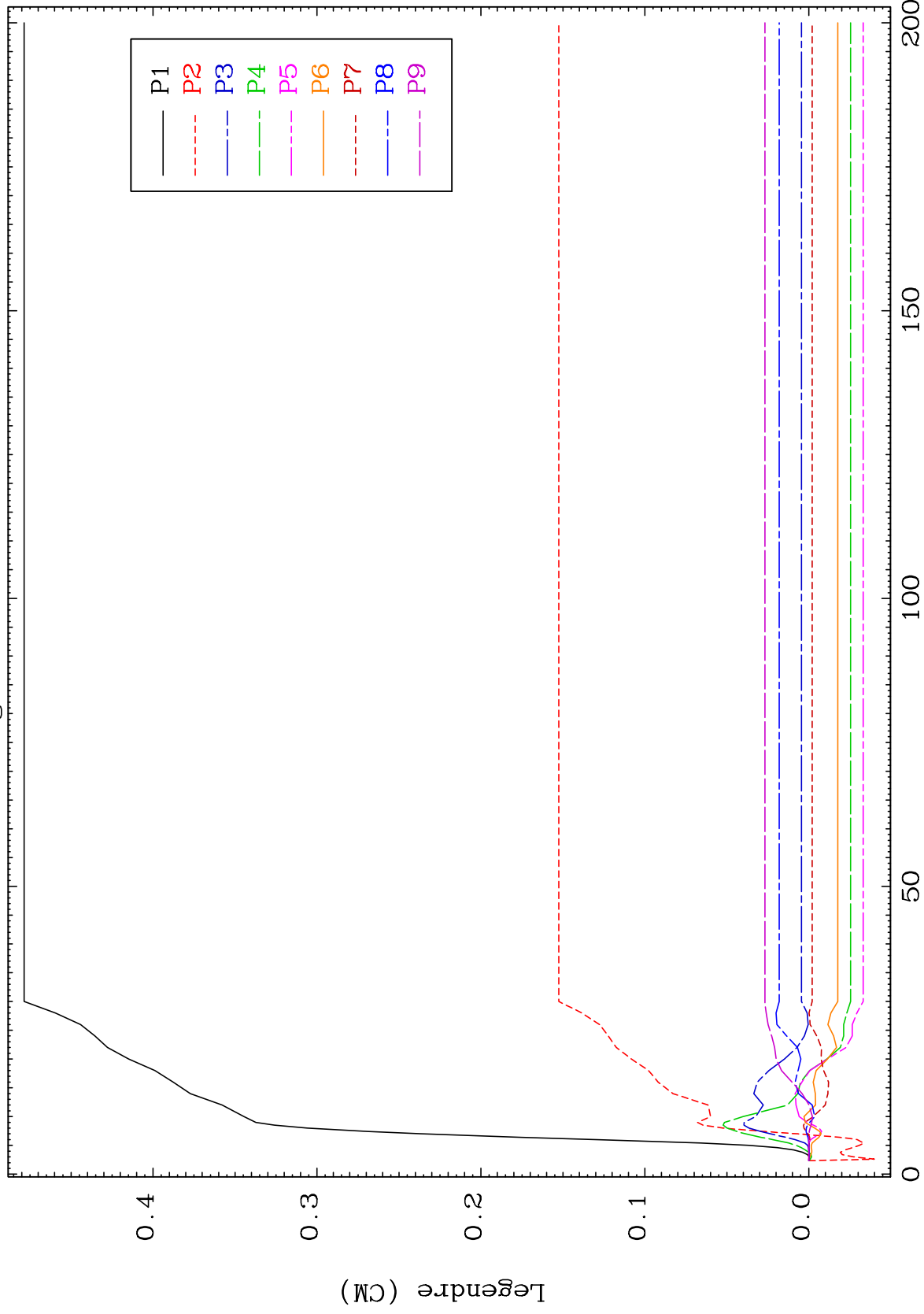
84-Po-204



MAT 8419

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

84-Po-204



86

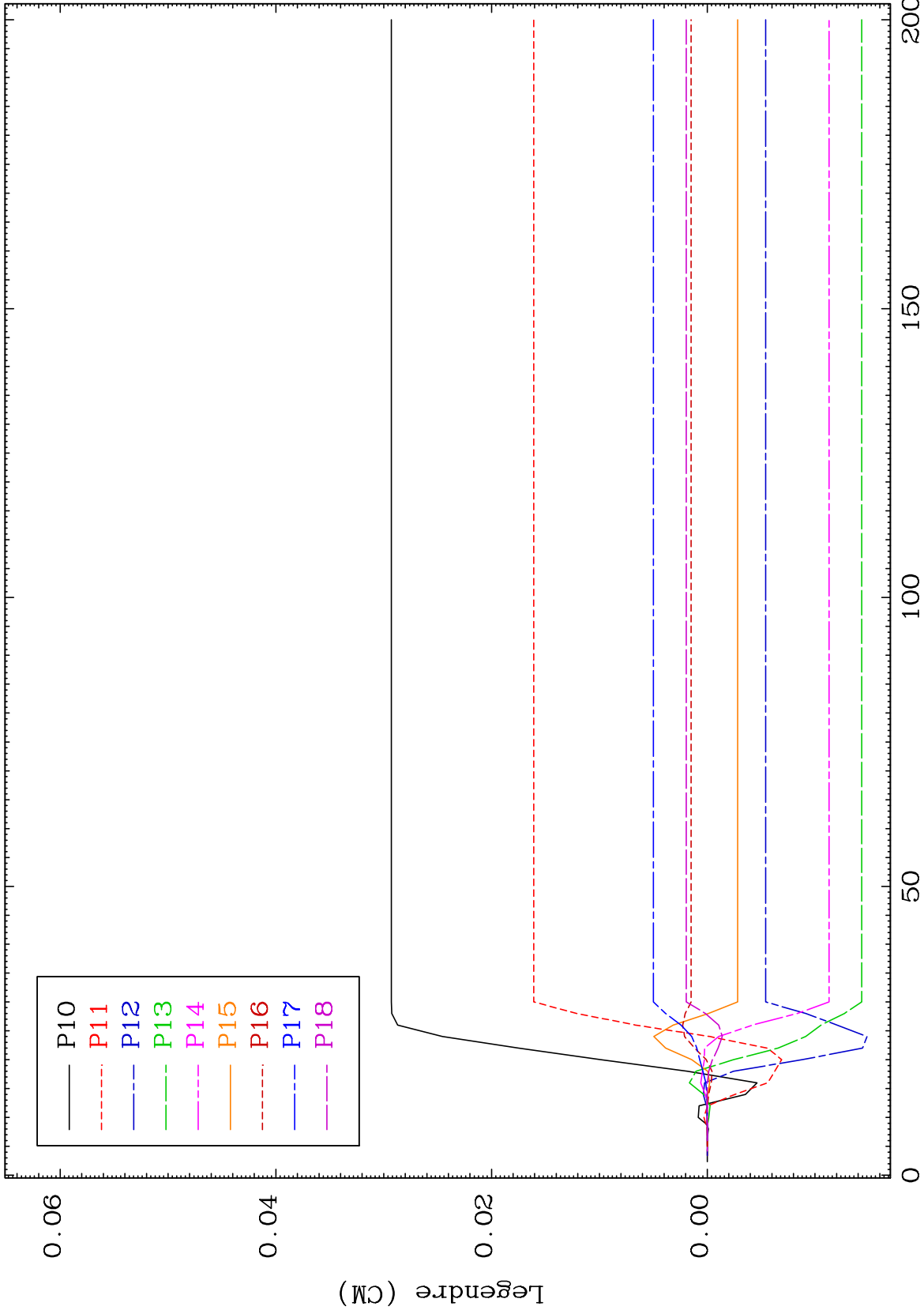
Incident Energy (MeV)

84-Po-204

MAT 8419

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

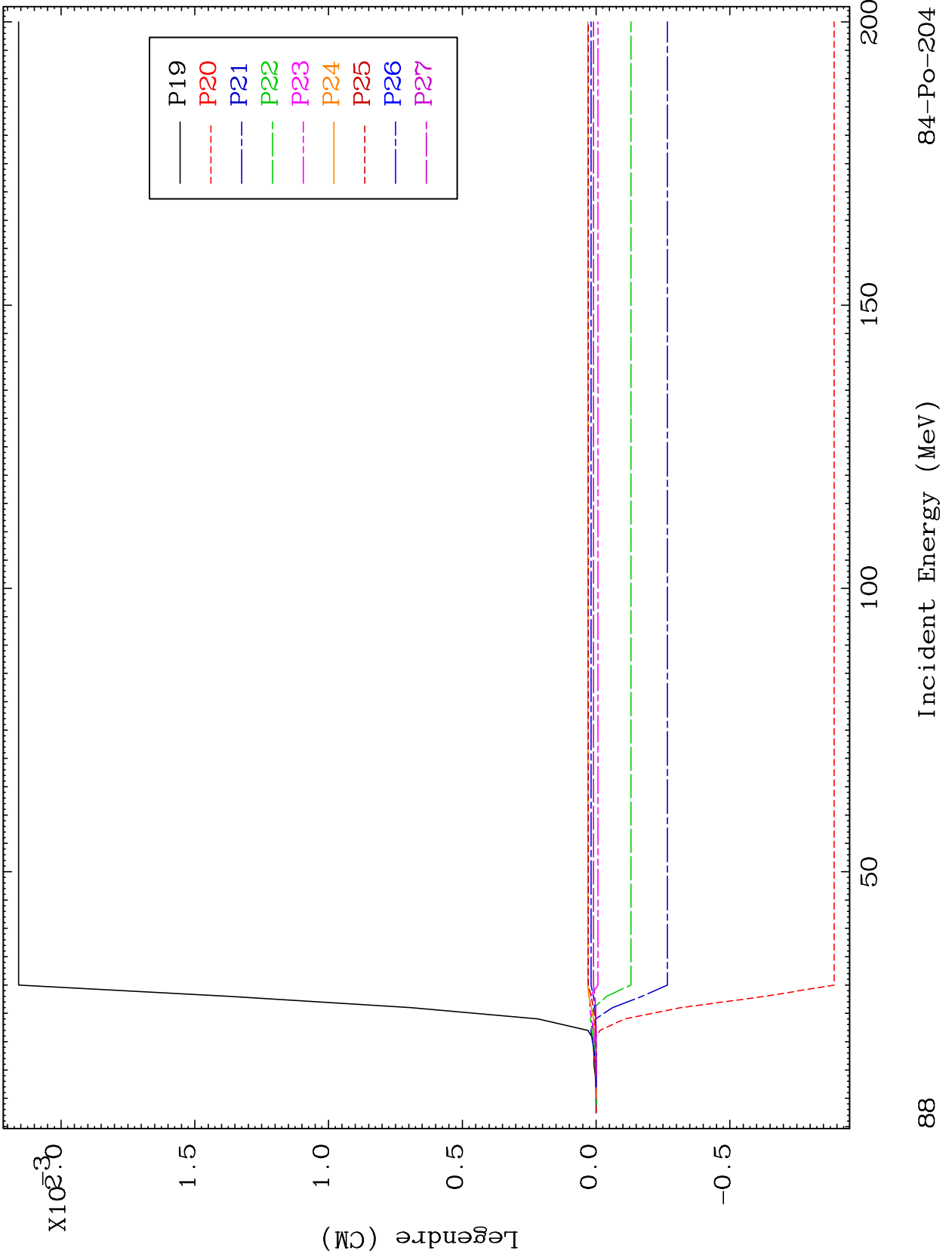
84-Po-204



87

Incident Energy (MeV)

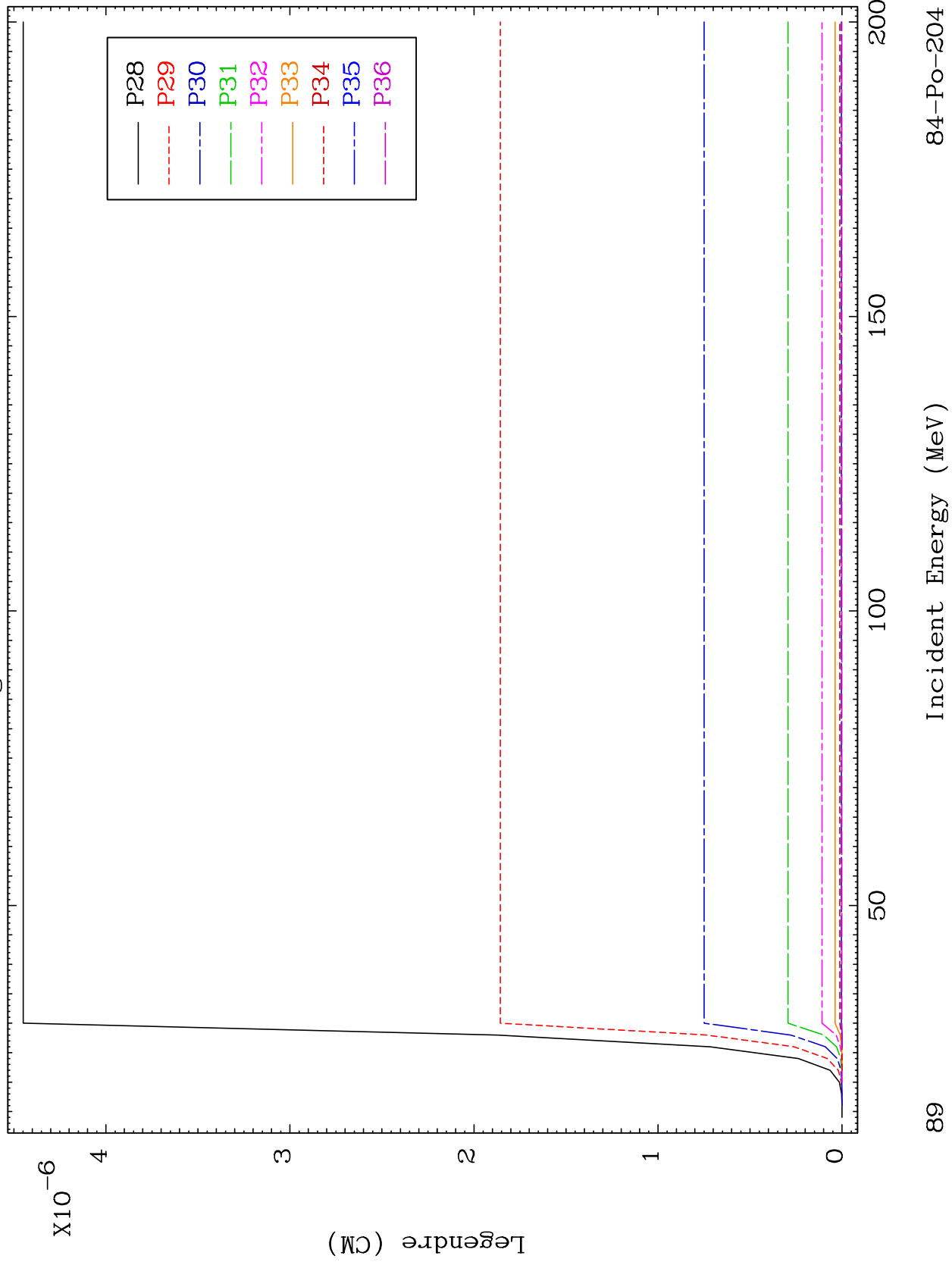
84-Po-204



MAT 8419

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

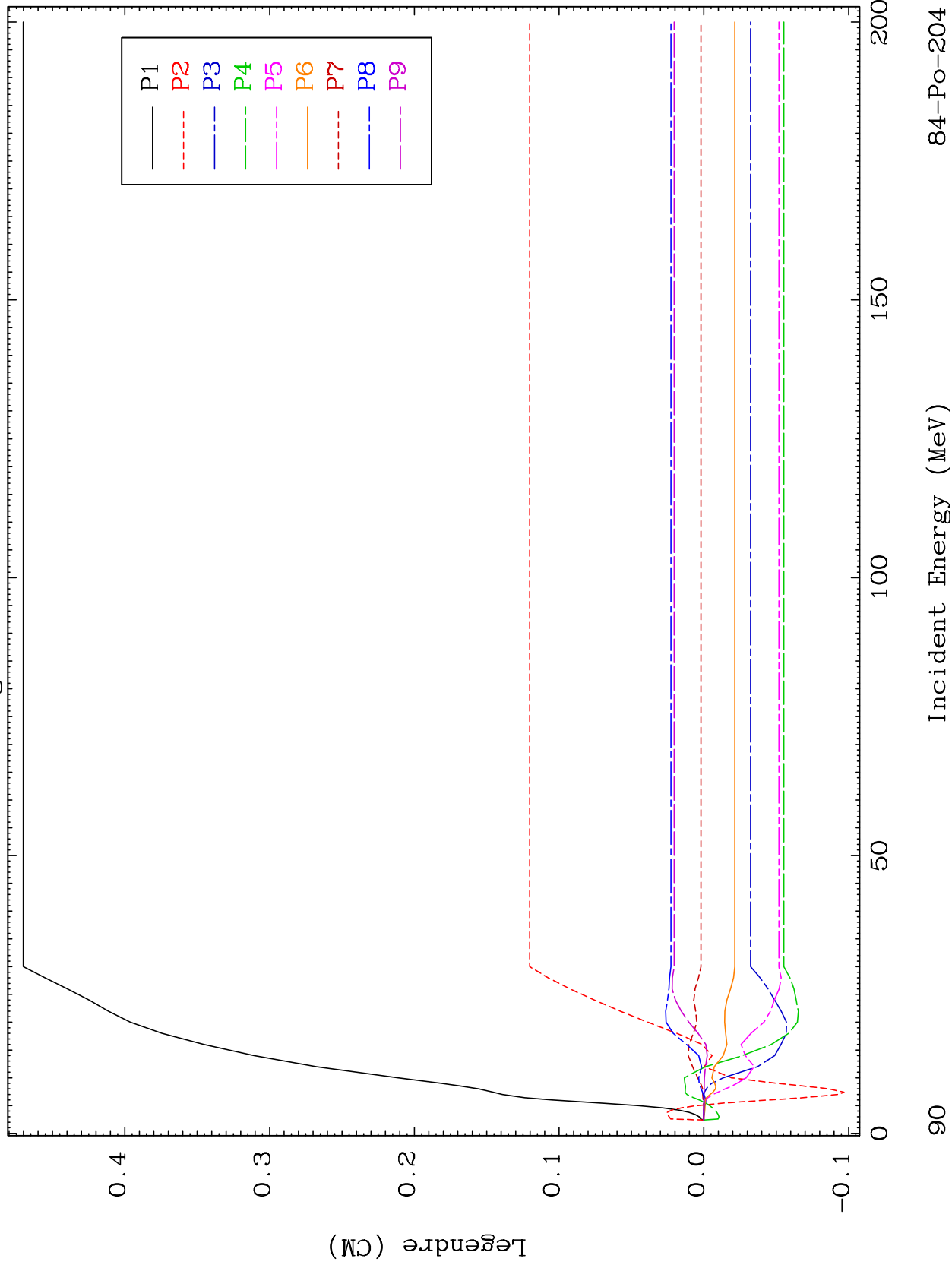
84-Po-204



MAT 8419

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

84-Po-204

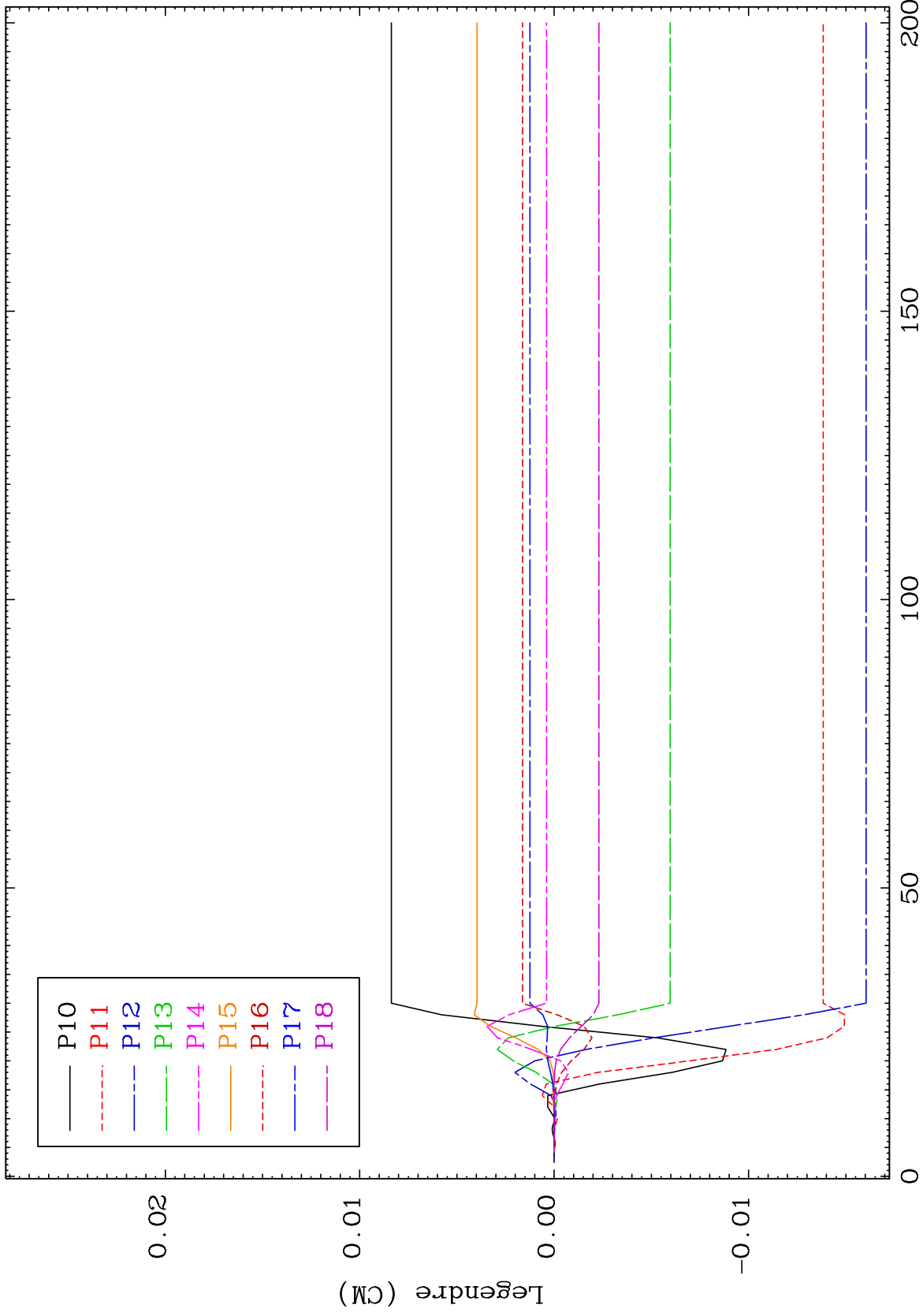


84-Po-204

MAT 8419

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

84-Po-204



91

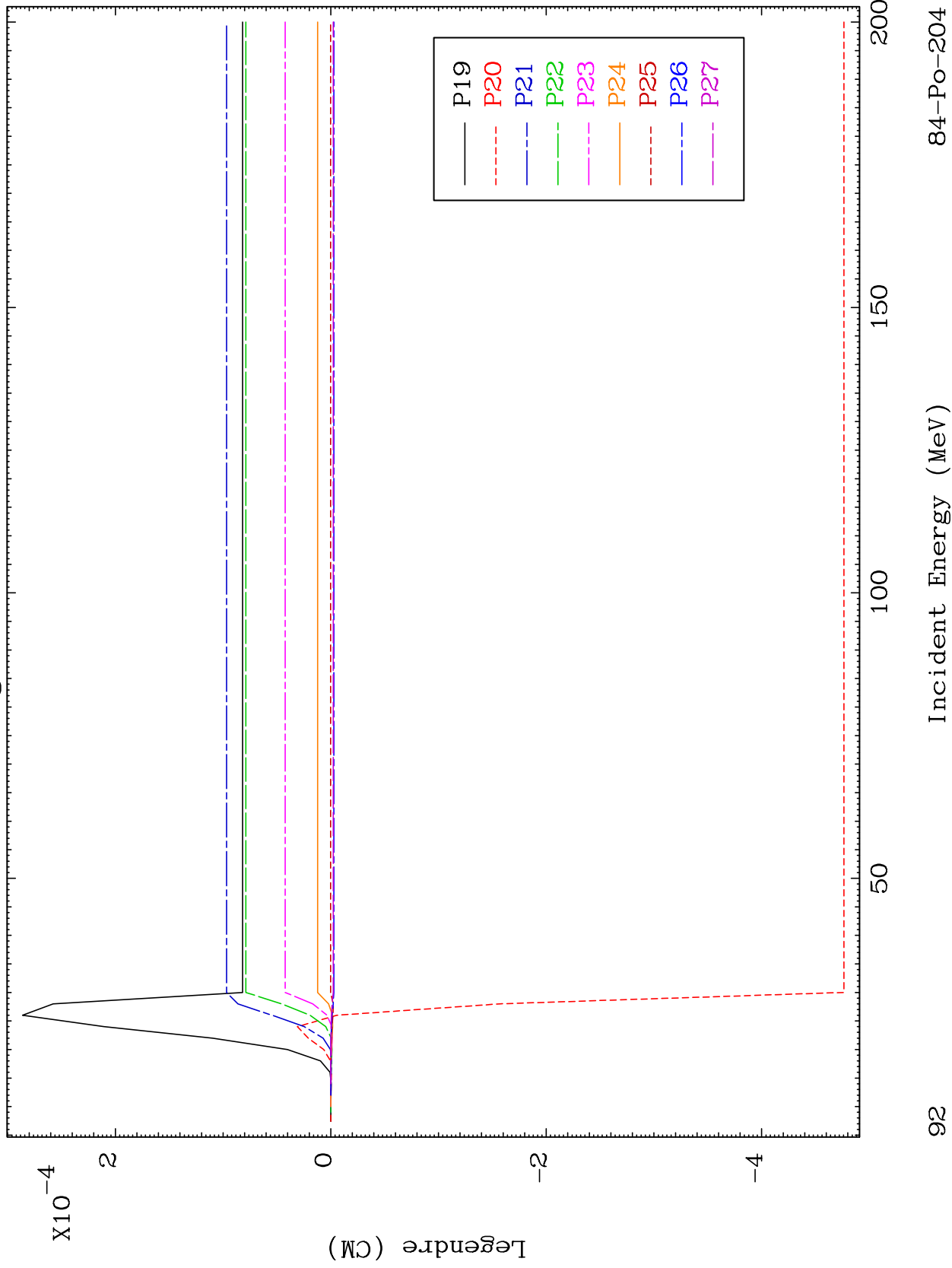
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



92

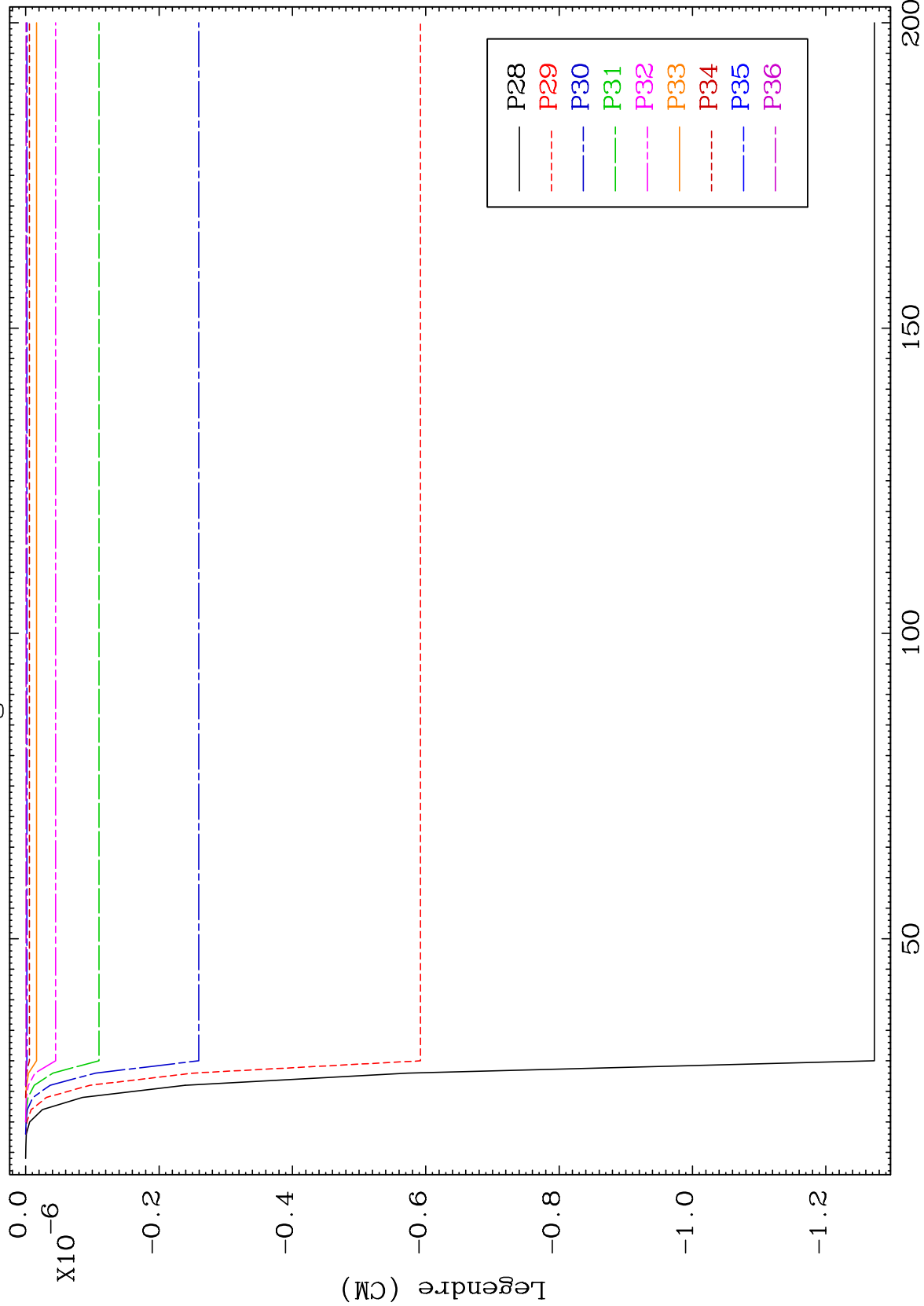
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



93

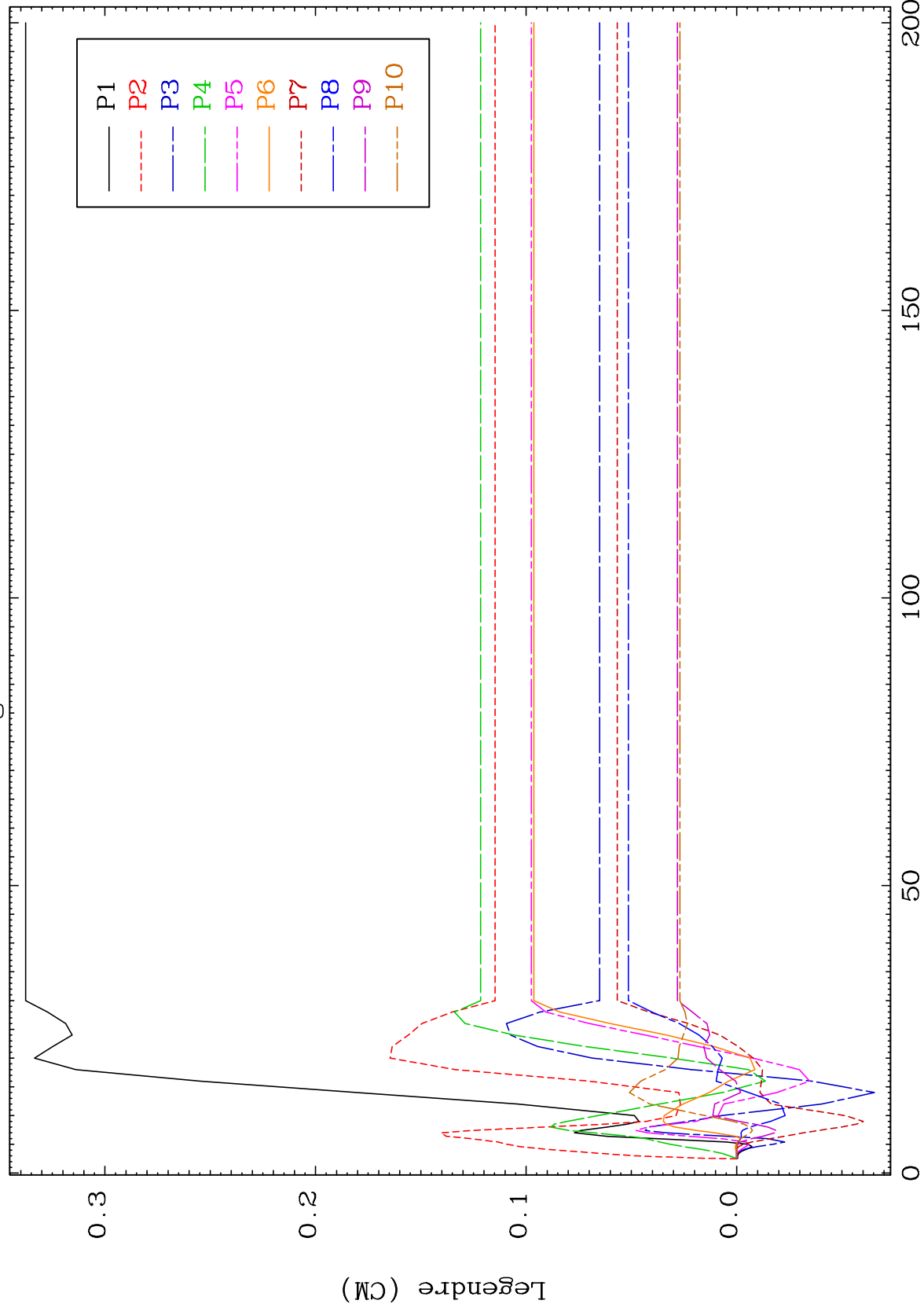
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



94

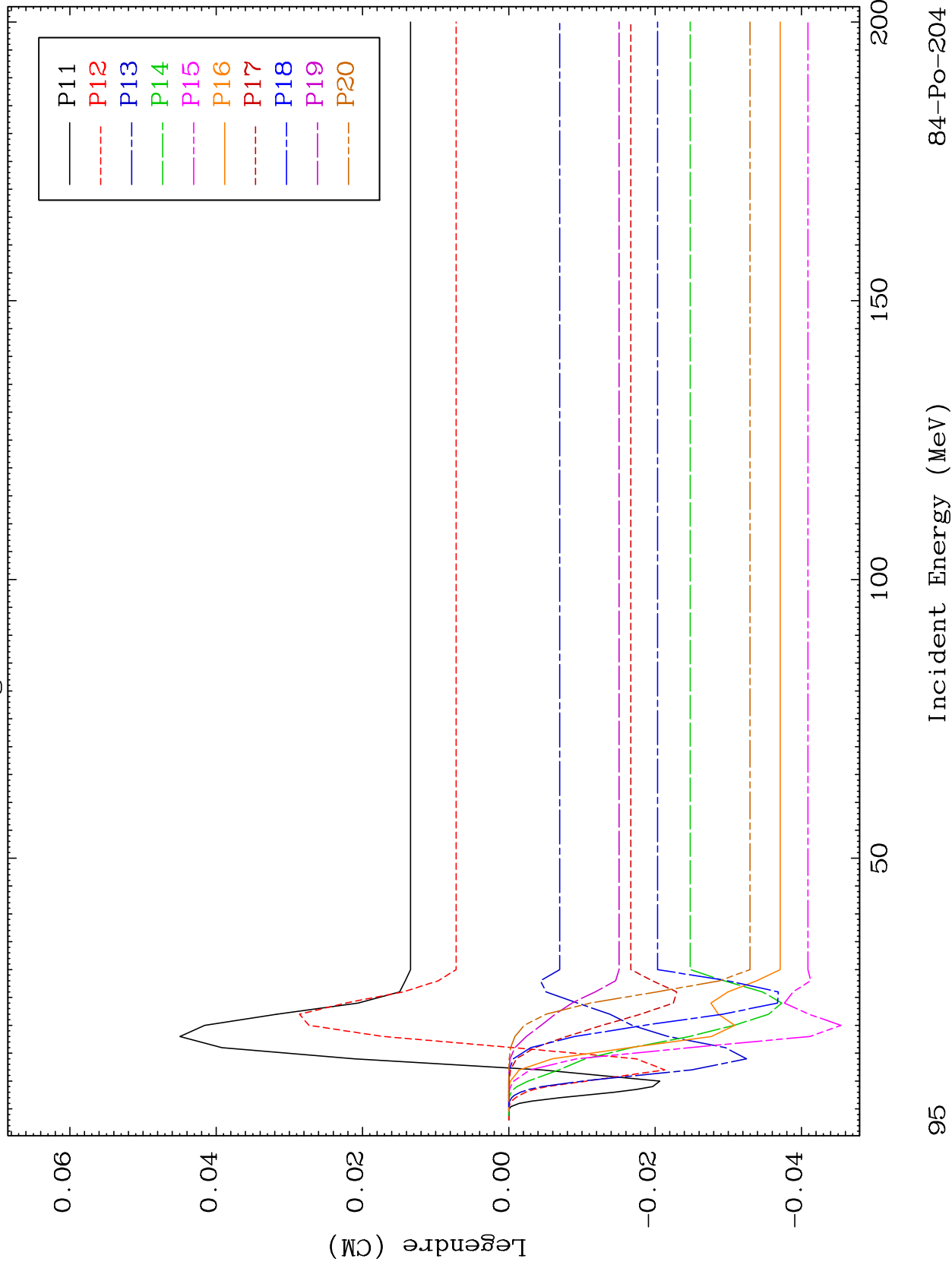
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



95

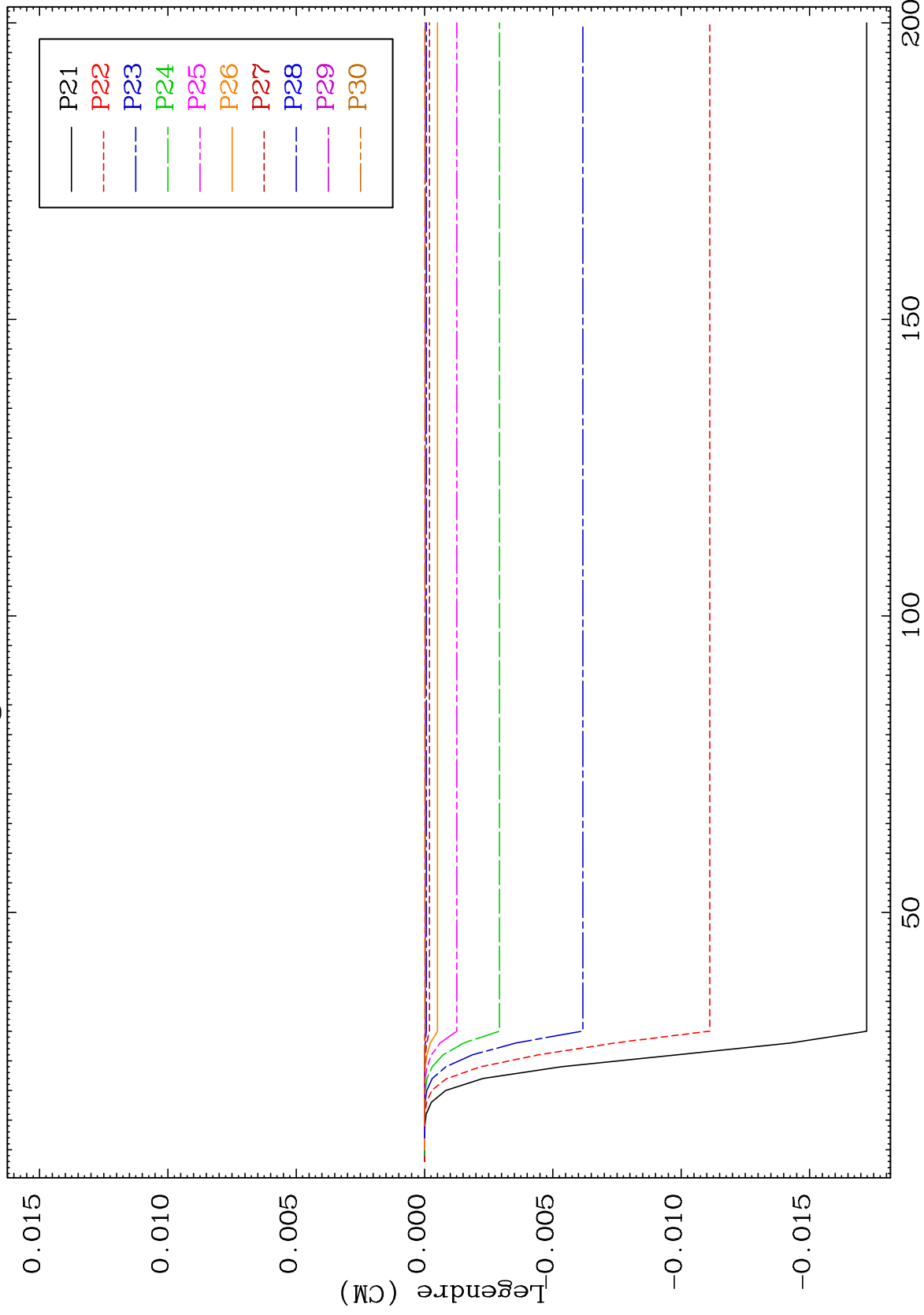
Incident Energy (MeV)

84-Po-204

MAT 8419

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

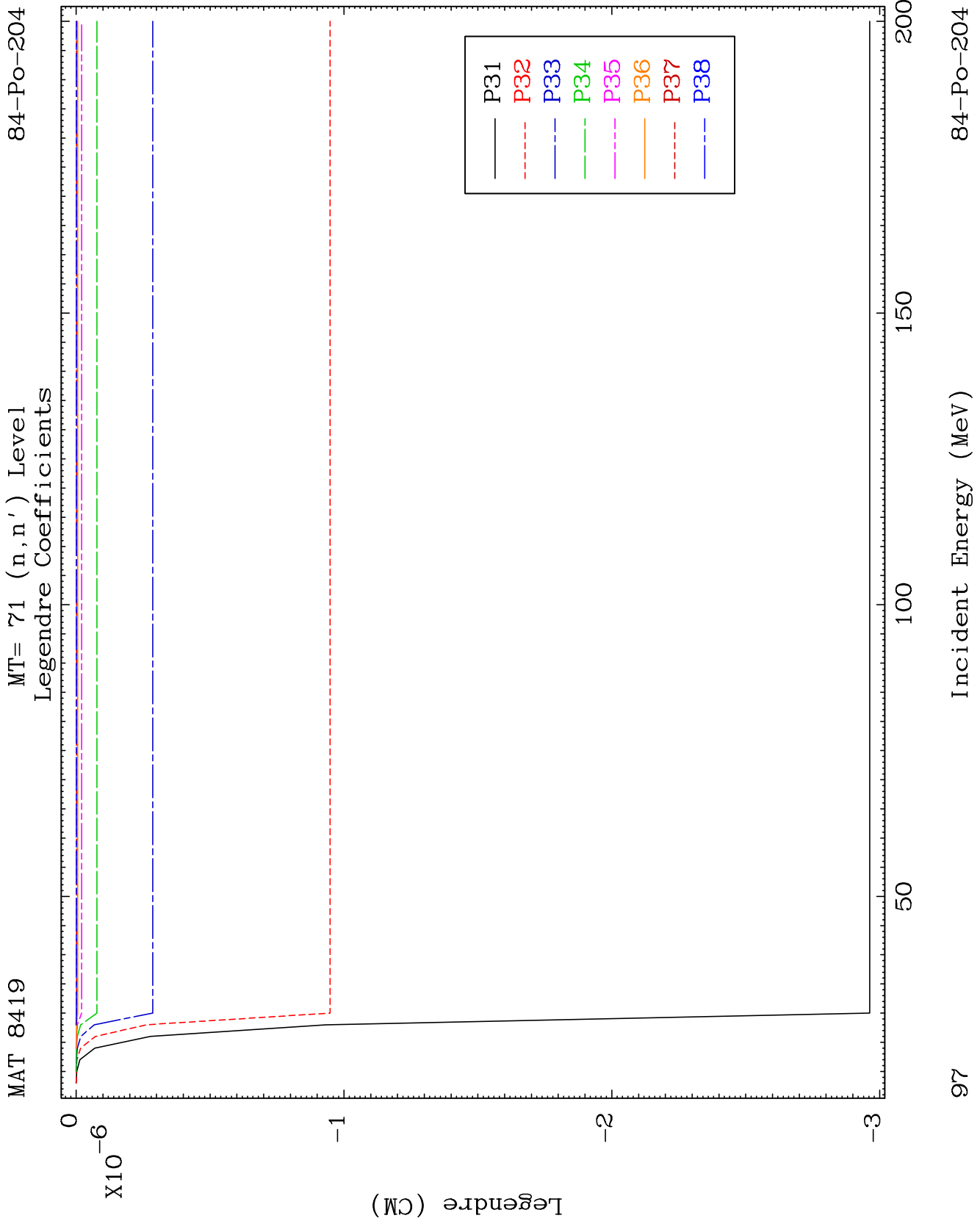
84-Po-204



96

Incident Energy (MeV)

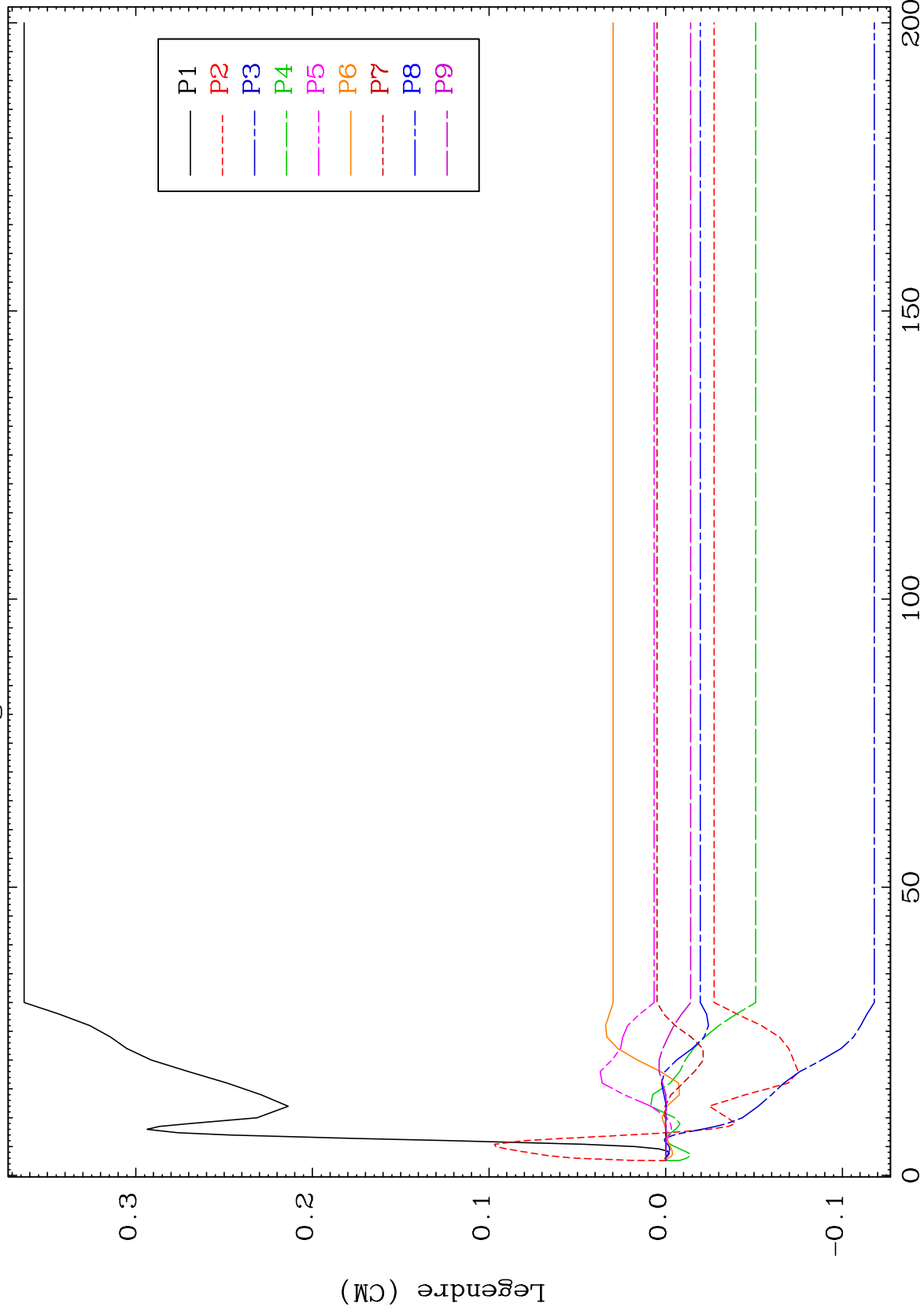
84-Po-204



MAT 8419

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

84-Po-204



98

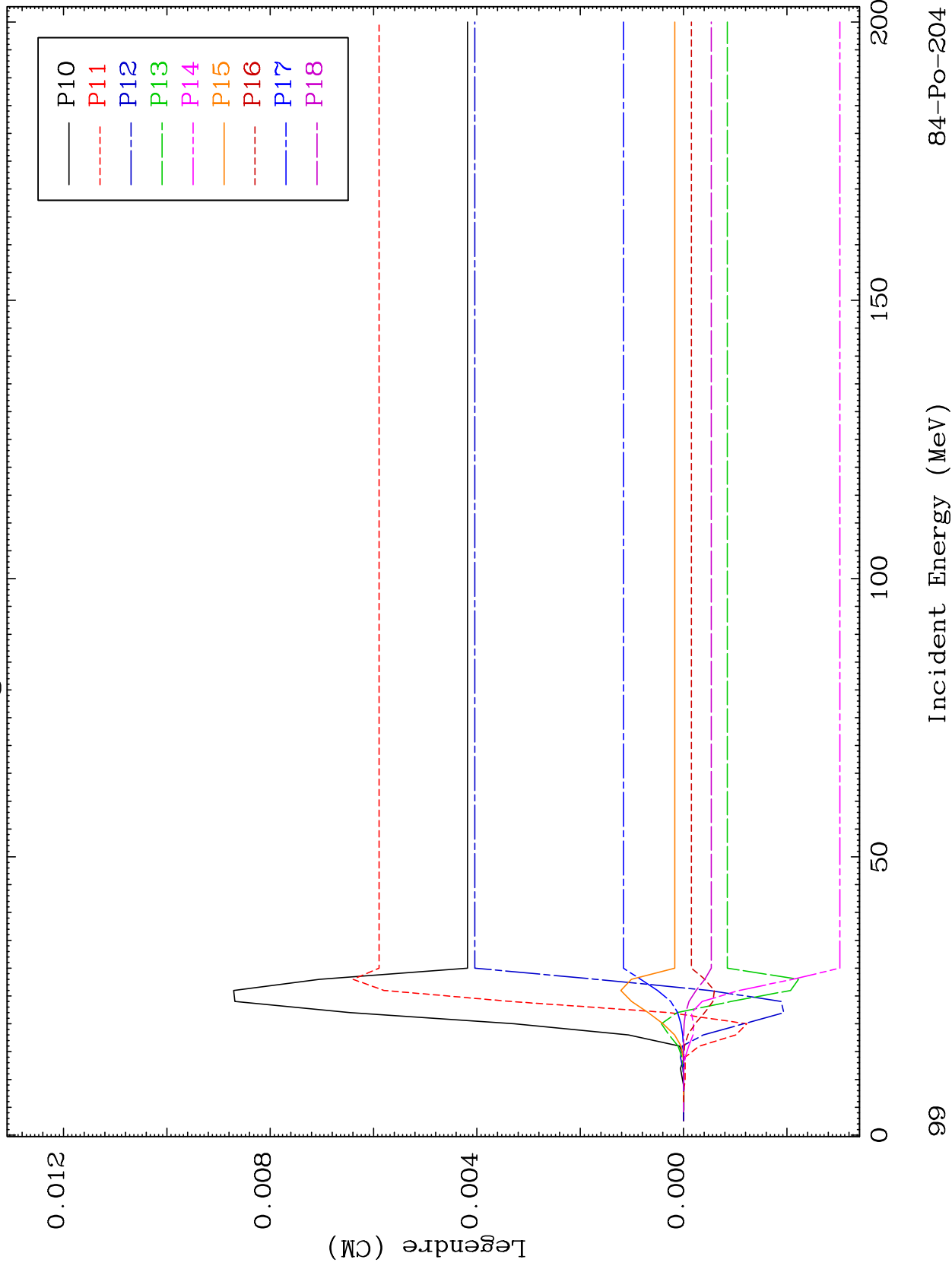
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



99

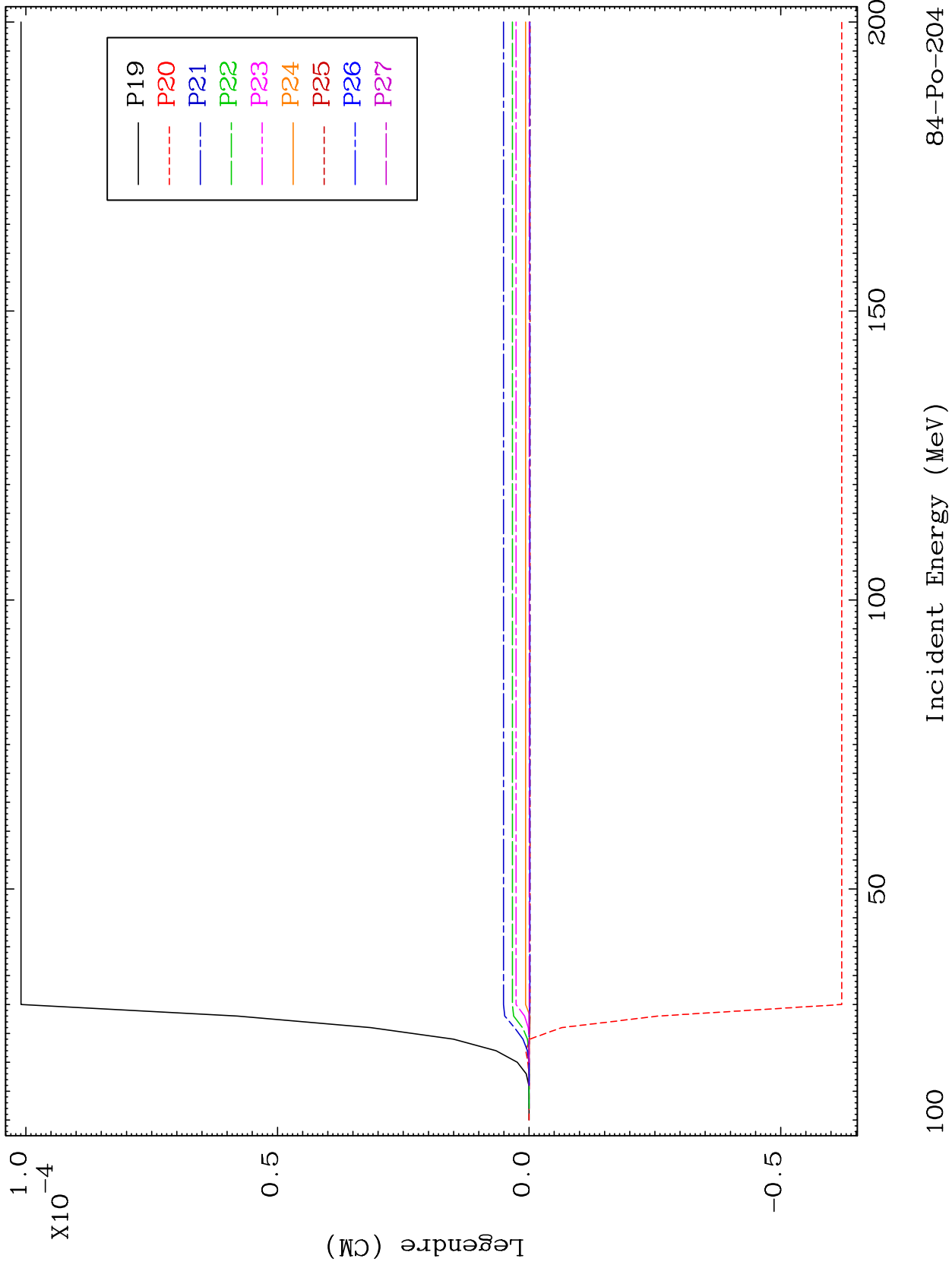
Incident Energy (MeV)

84-Po-204

MAT 8419

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

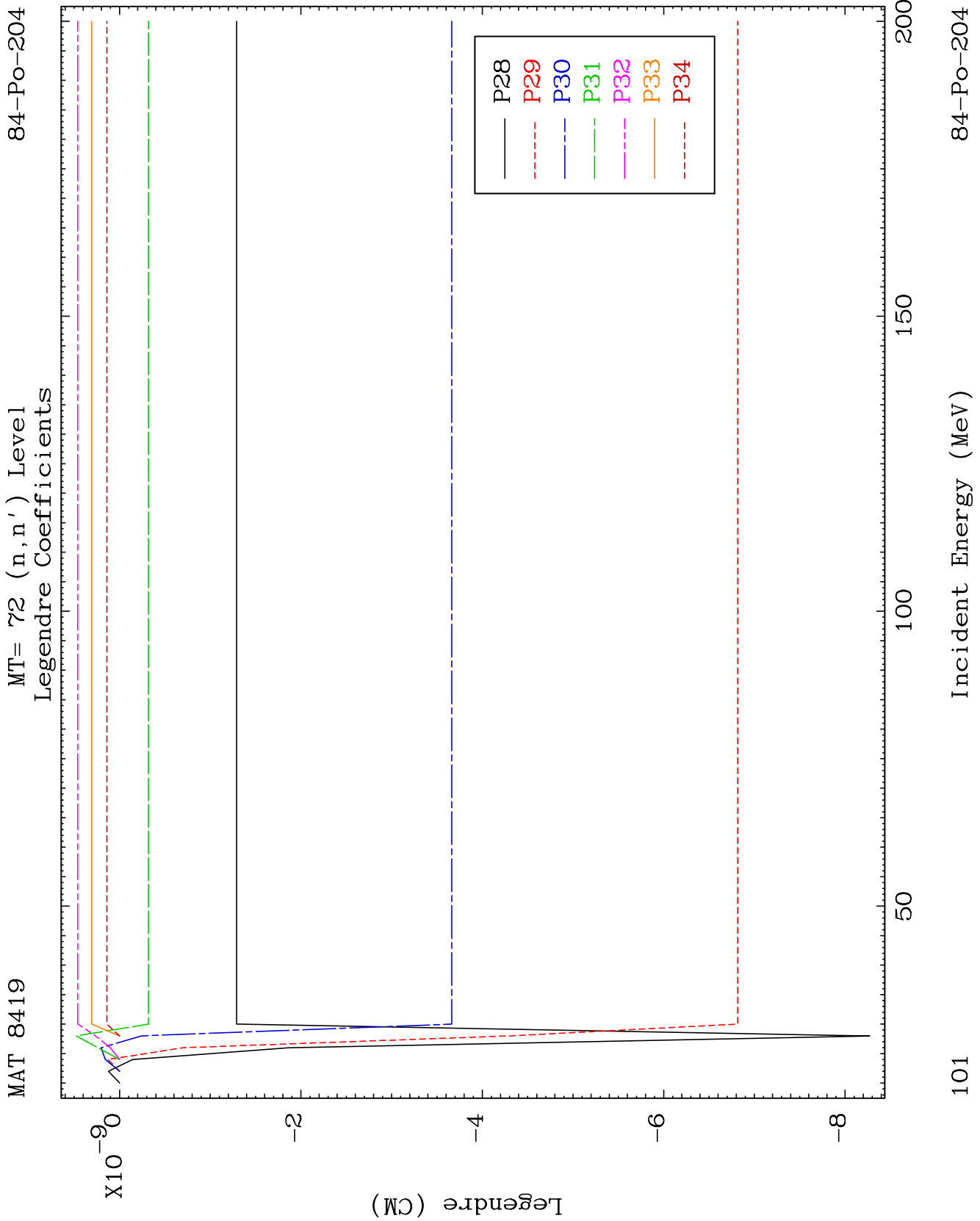
84-Po-204



100

Incident Energy (MeV)

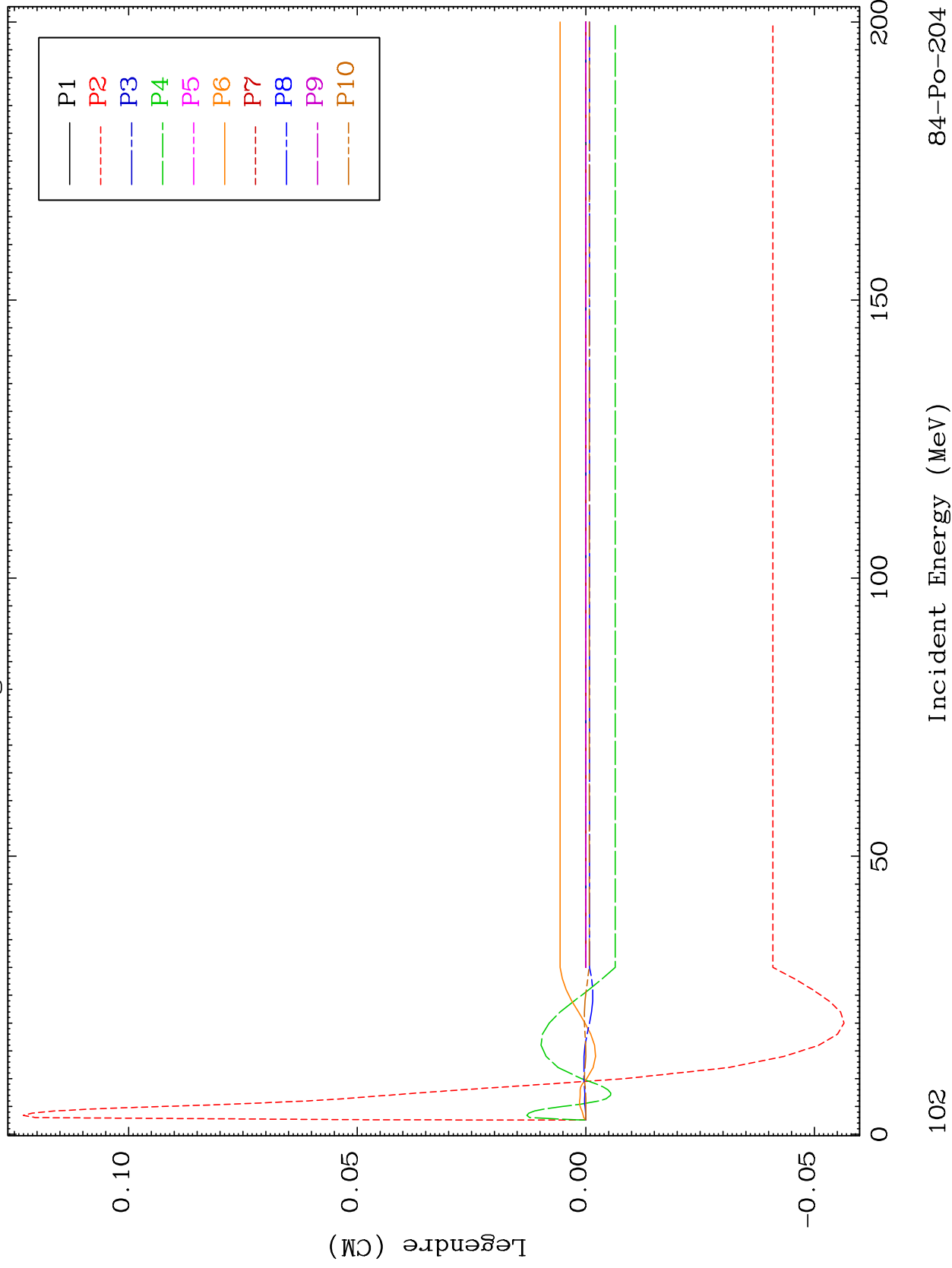
84-Po-204



MAT 8419

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

84-Po-204



84-Po-204

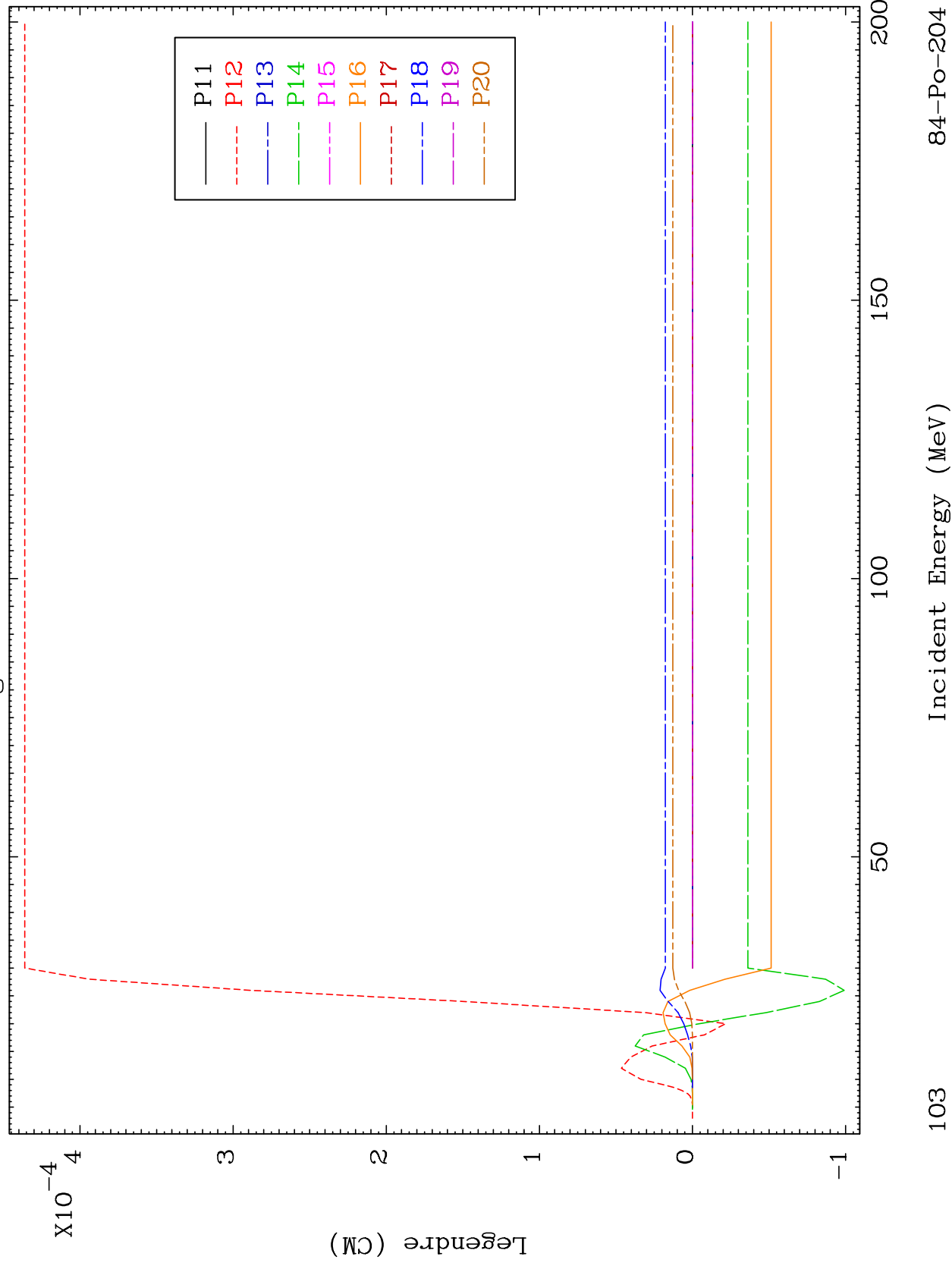
Incident Energy (MeV)

102

MAT 8419

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

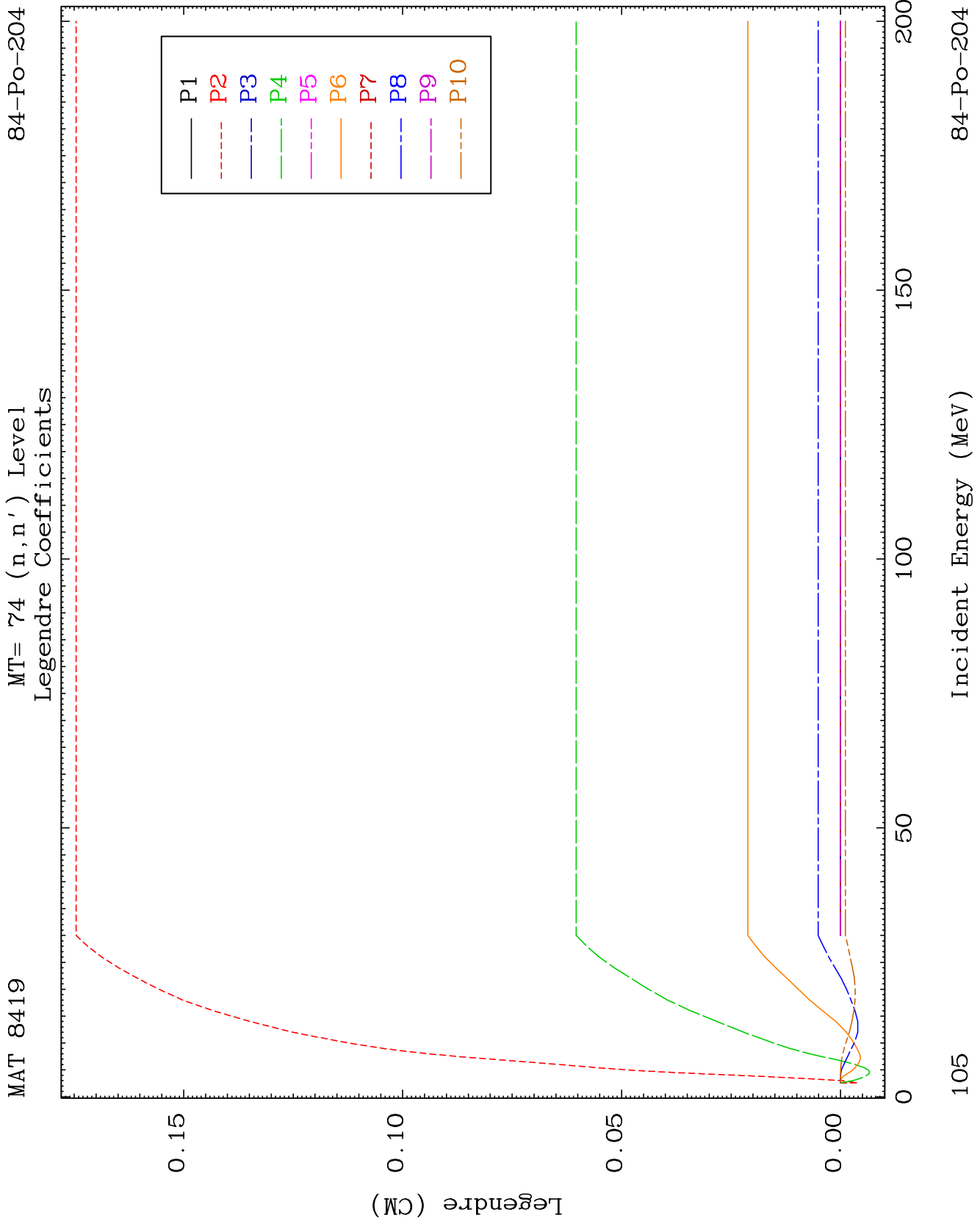
84-Po-204

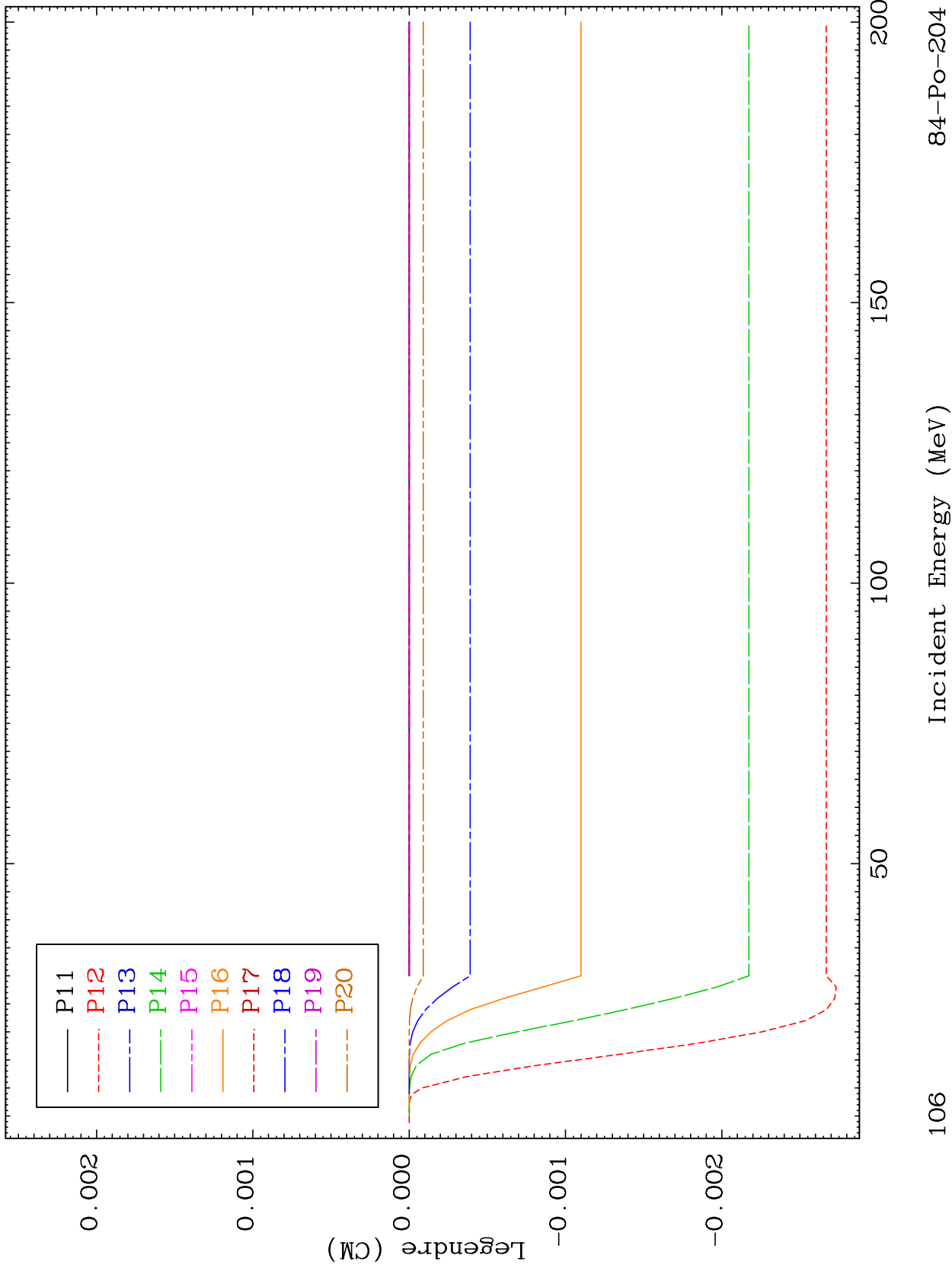


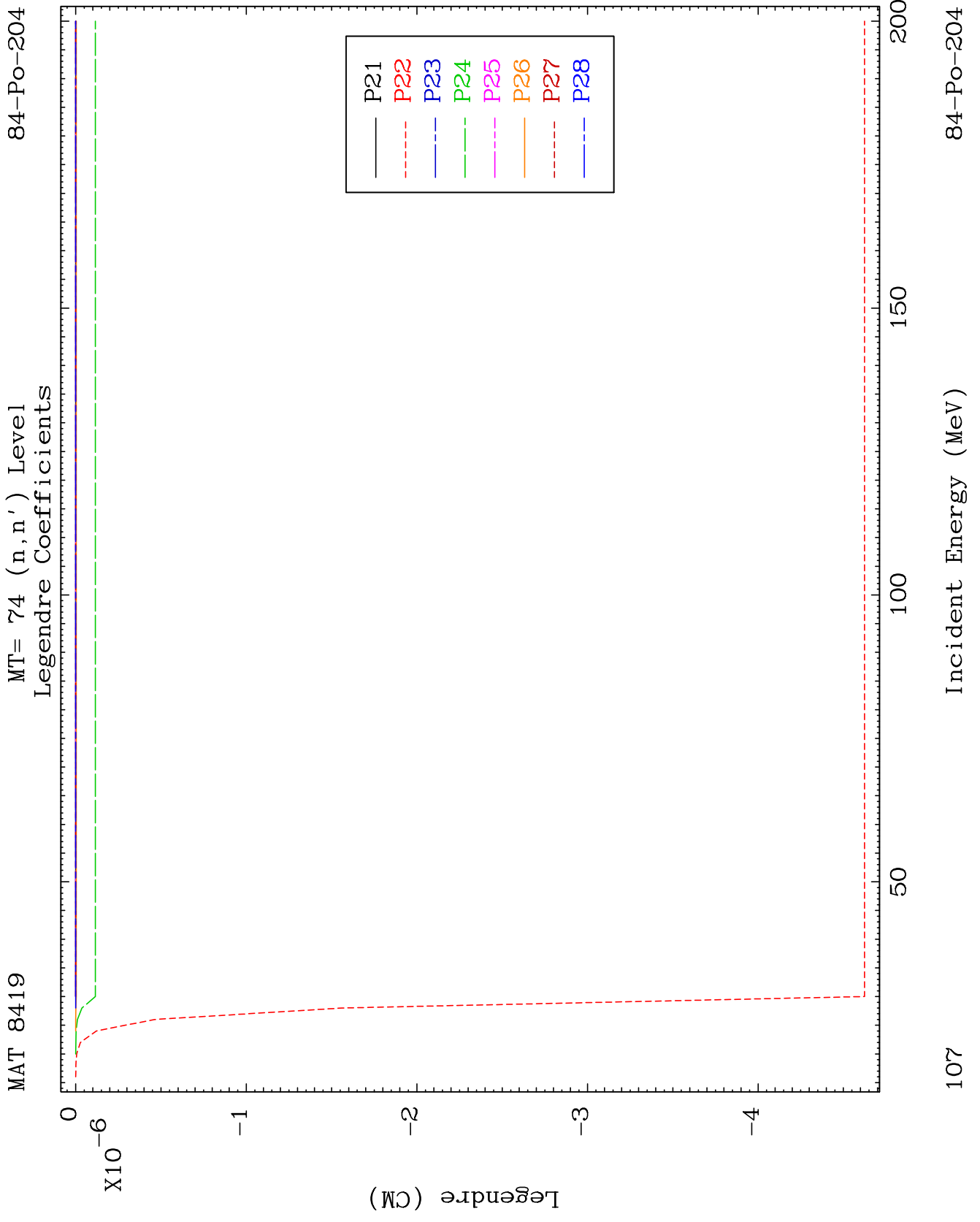
103

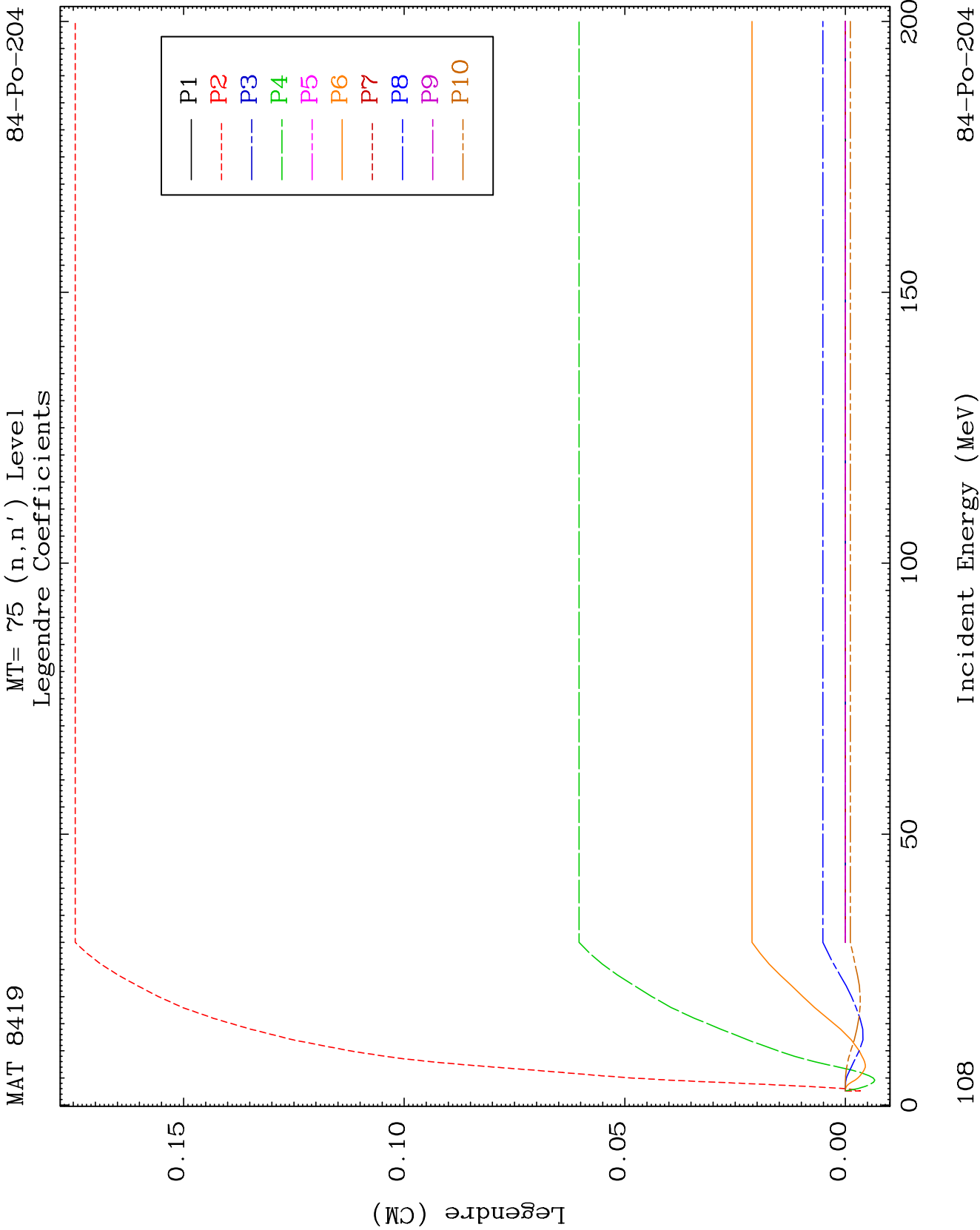
Incident Energy (MeV)

84-Po-204





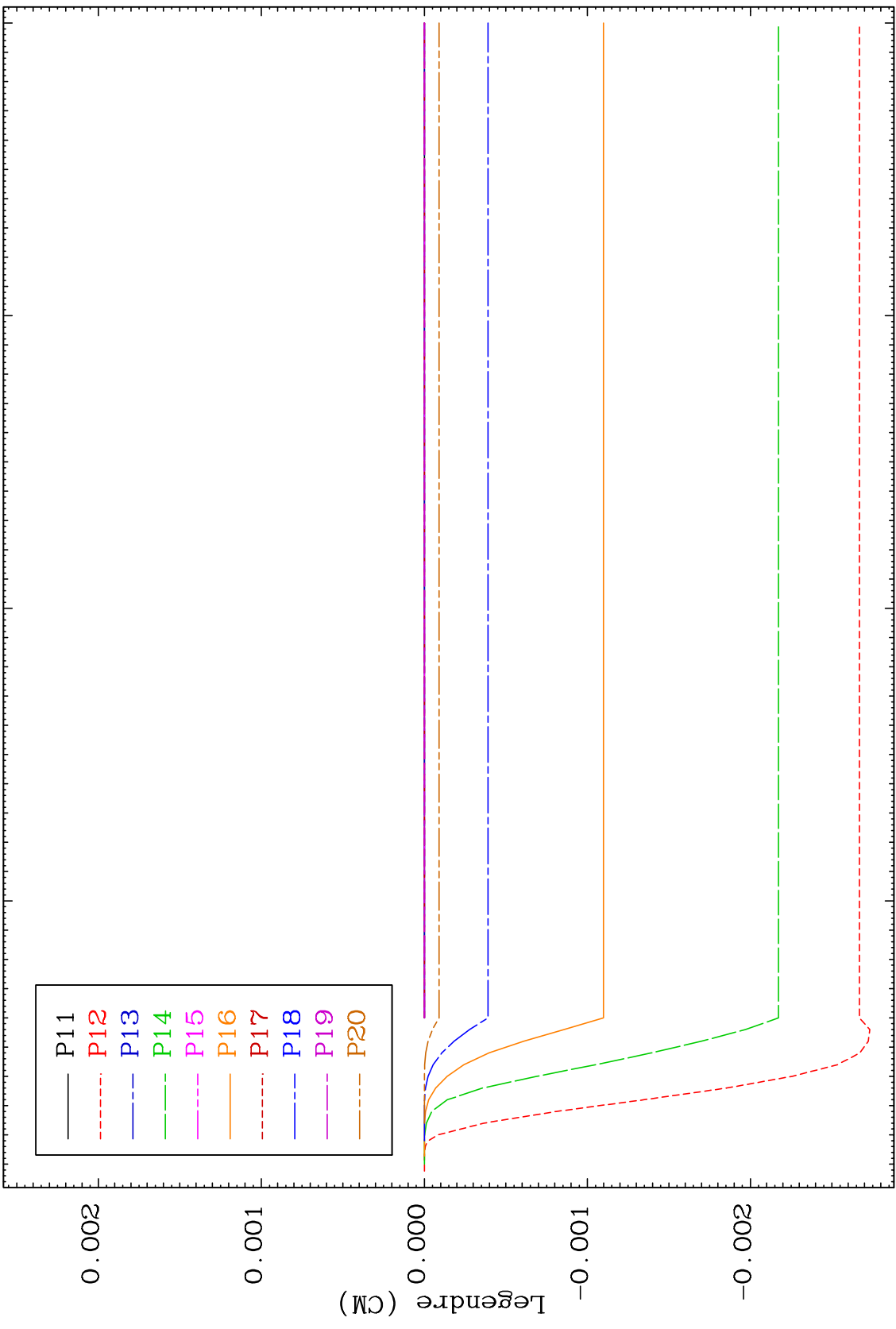


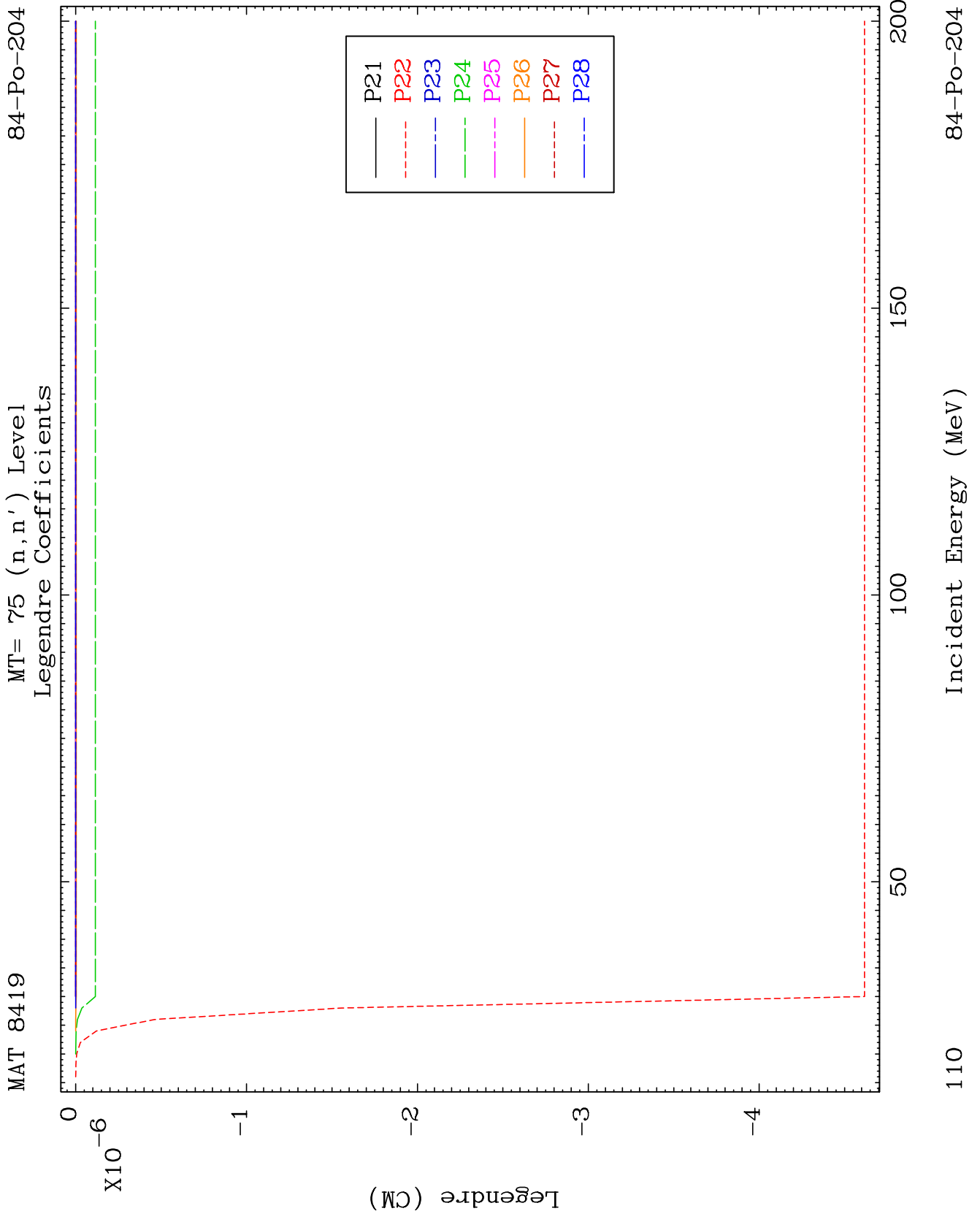


84-Po-204

Incident Energy (MeV)

108

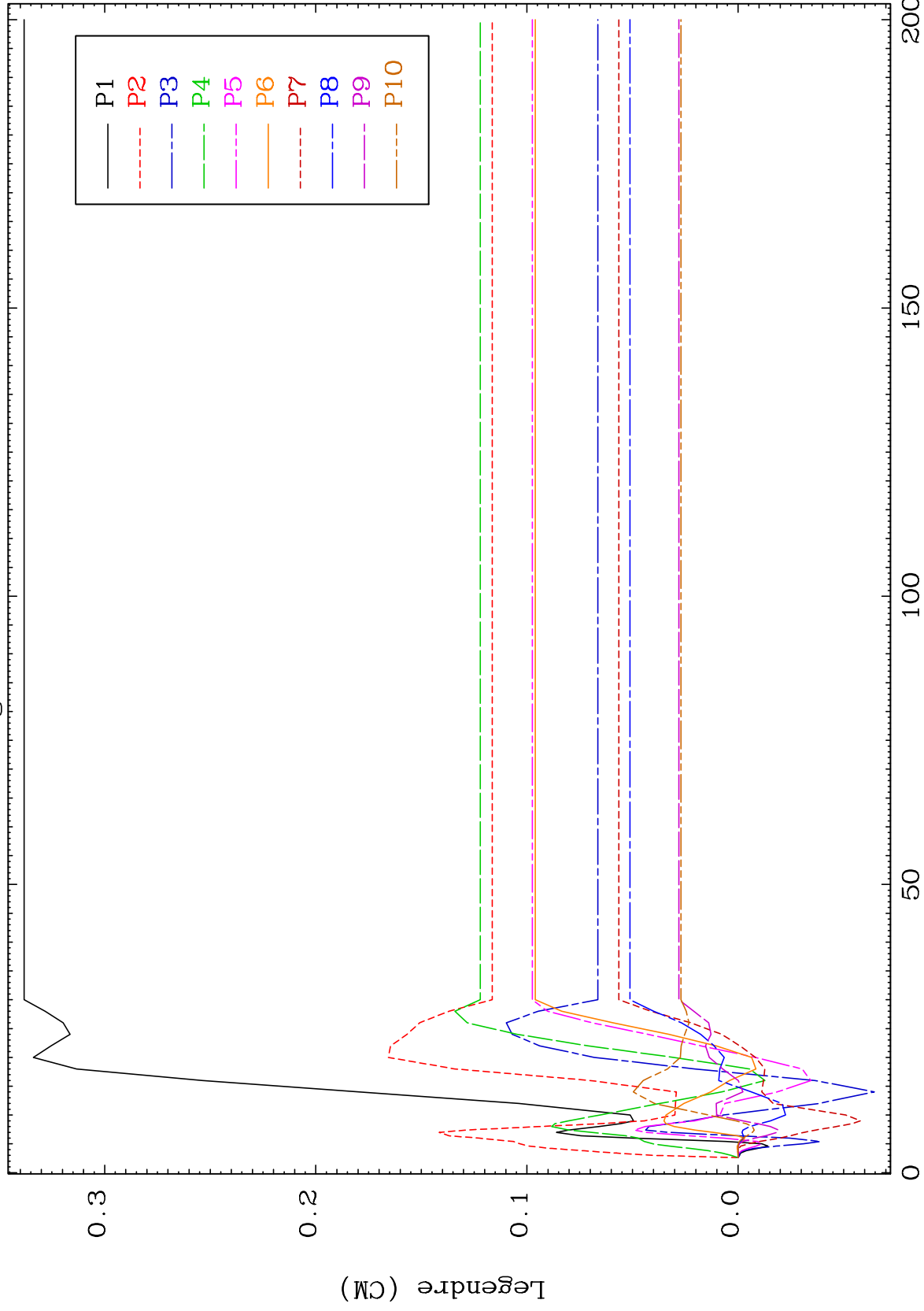




MAT 8419

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

84-Po-204



111

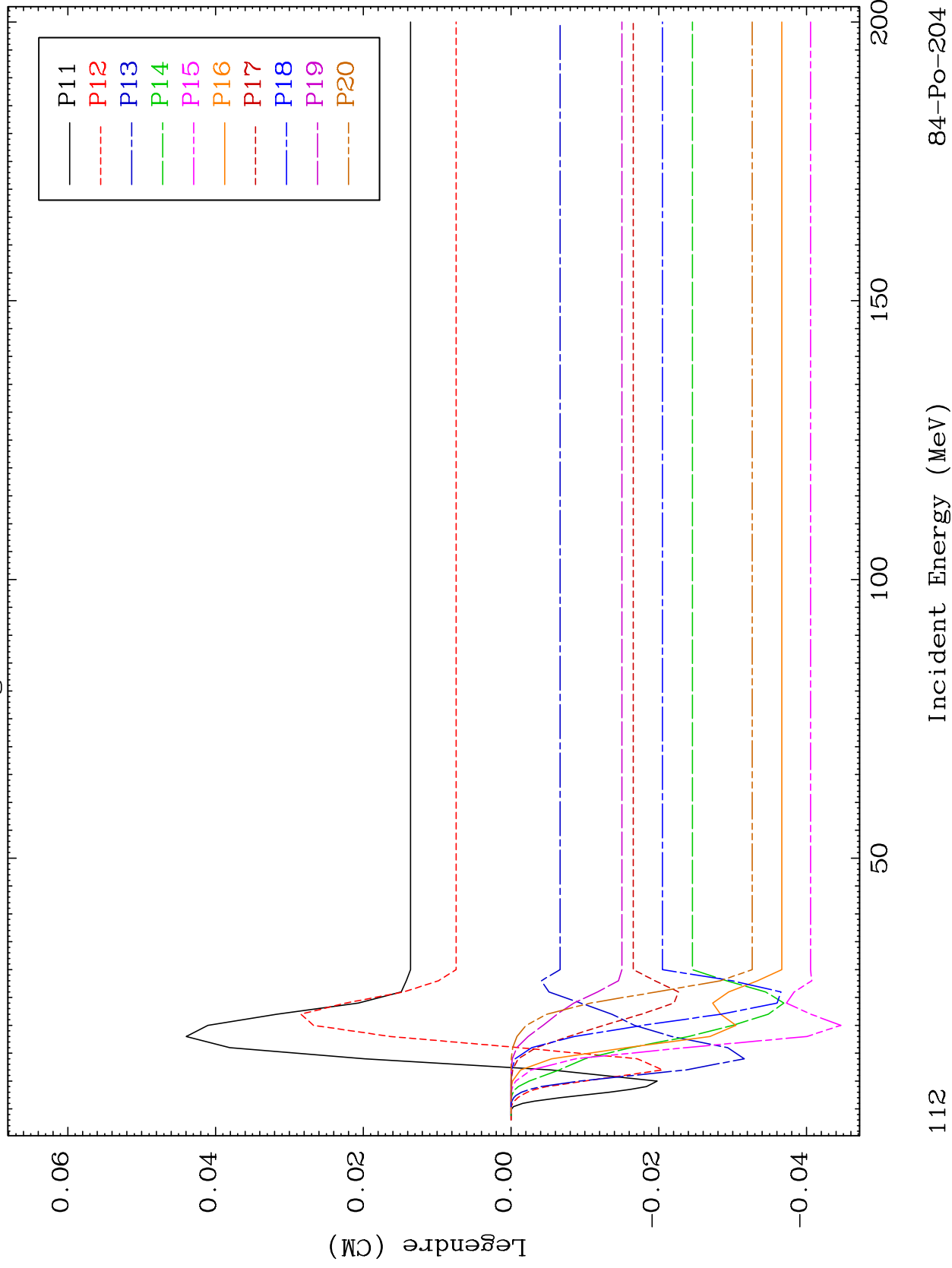
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



112

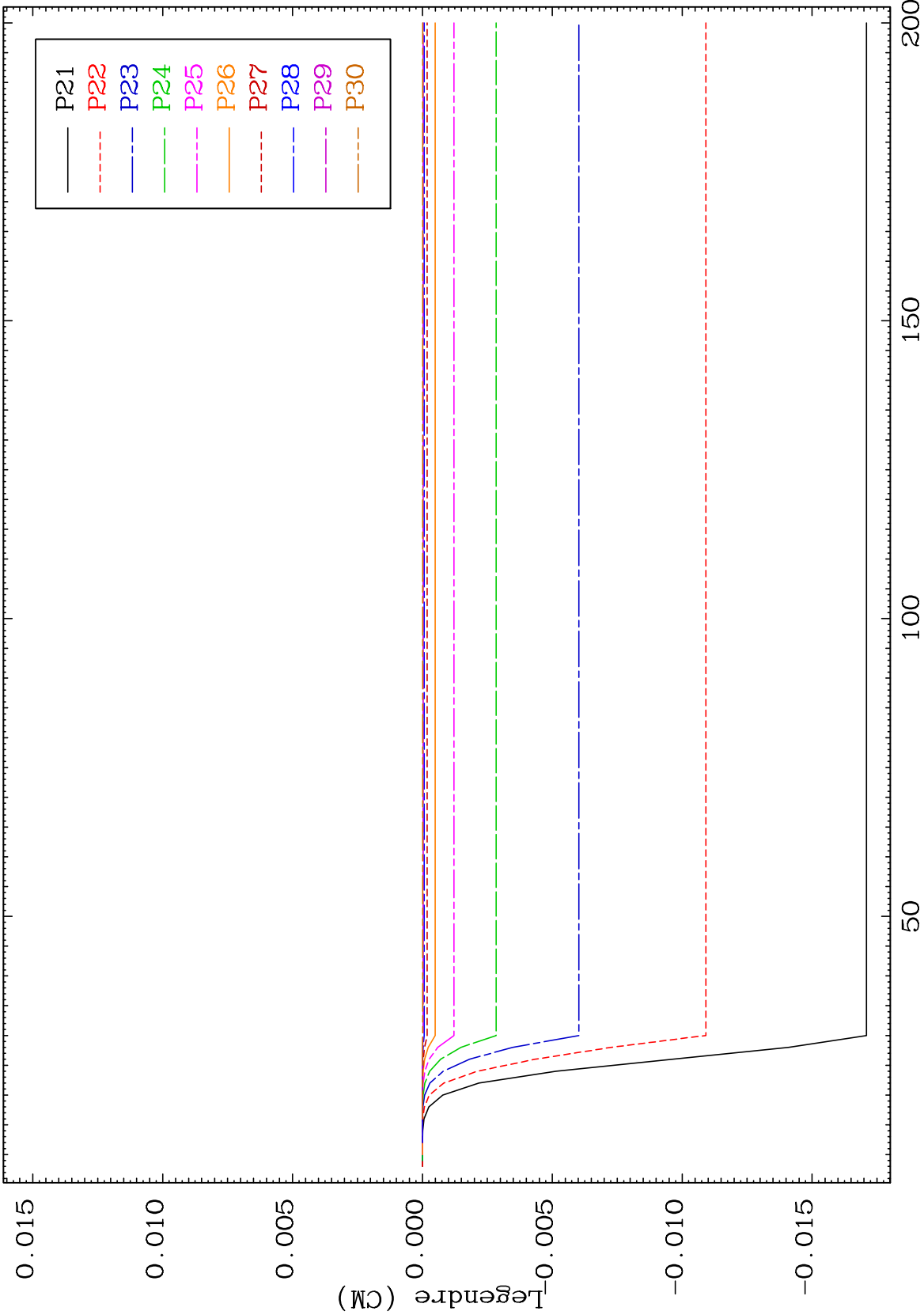
Incident Energy (MeV)

84-Po-204

MAT 8419

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

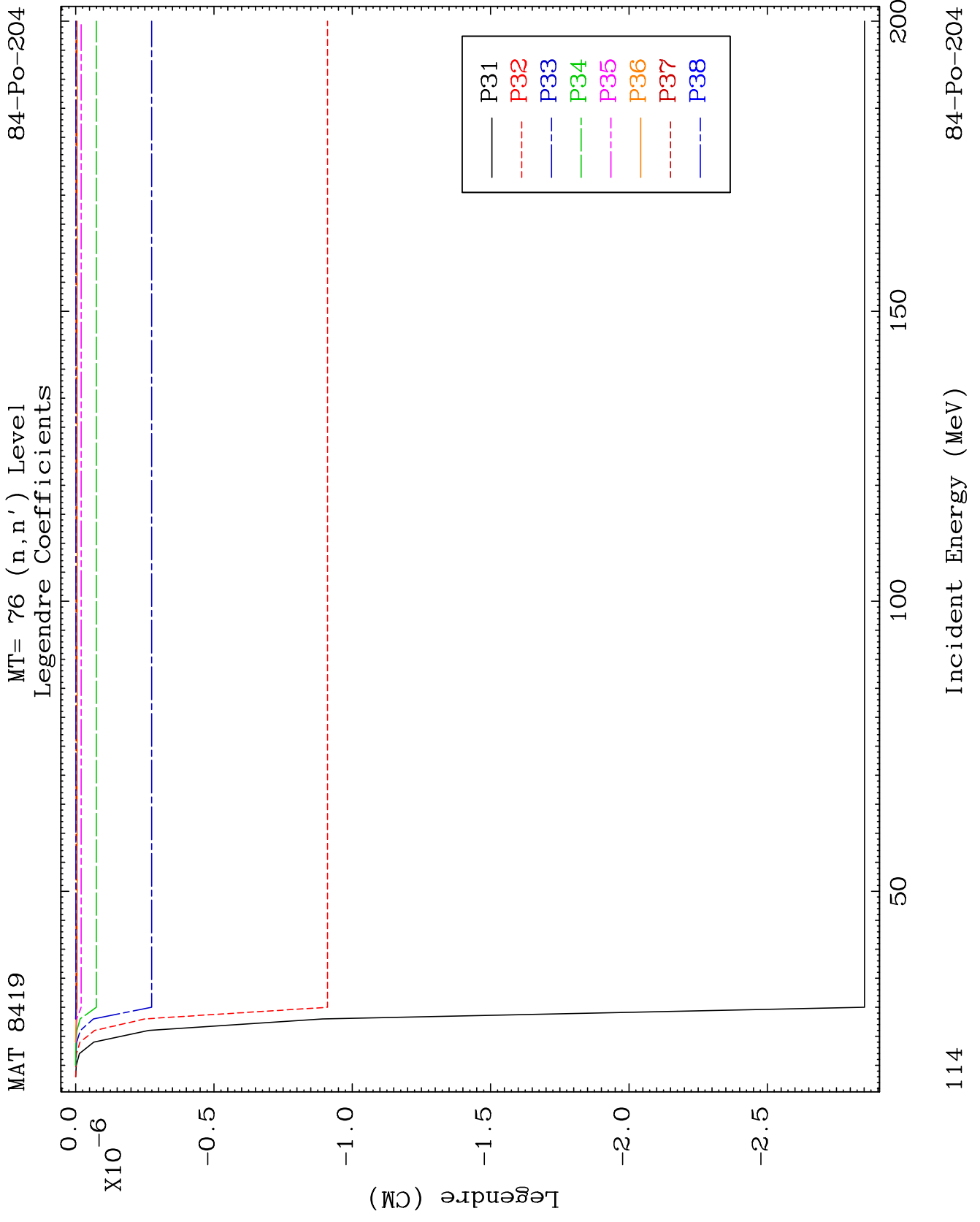
84-Po-204



113

Incident Energy (MeV)

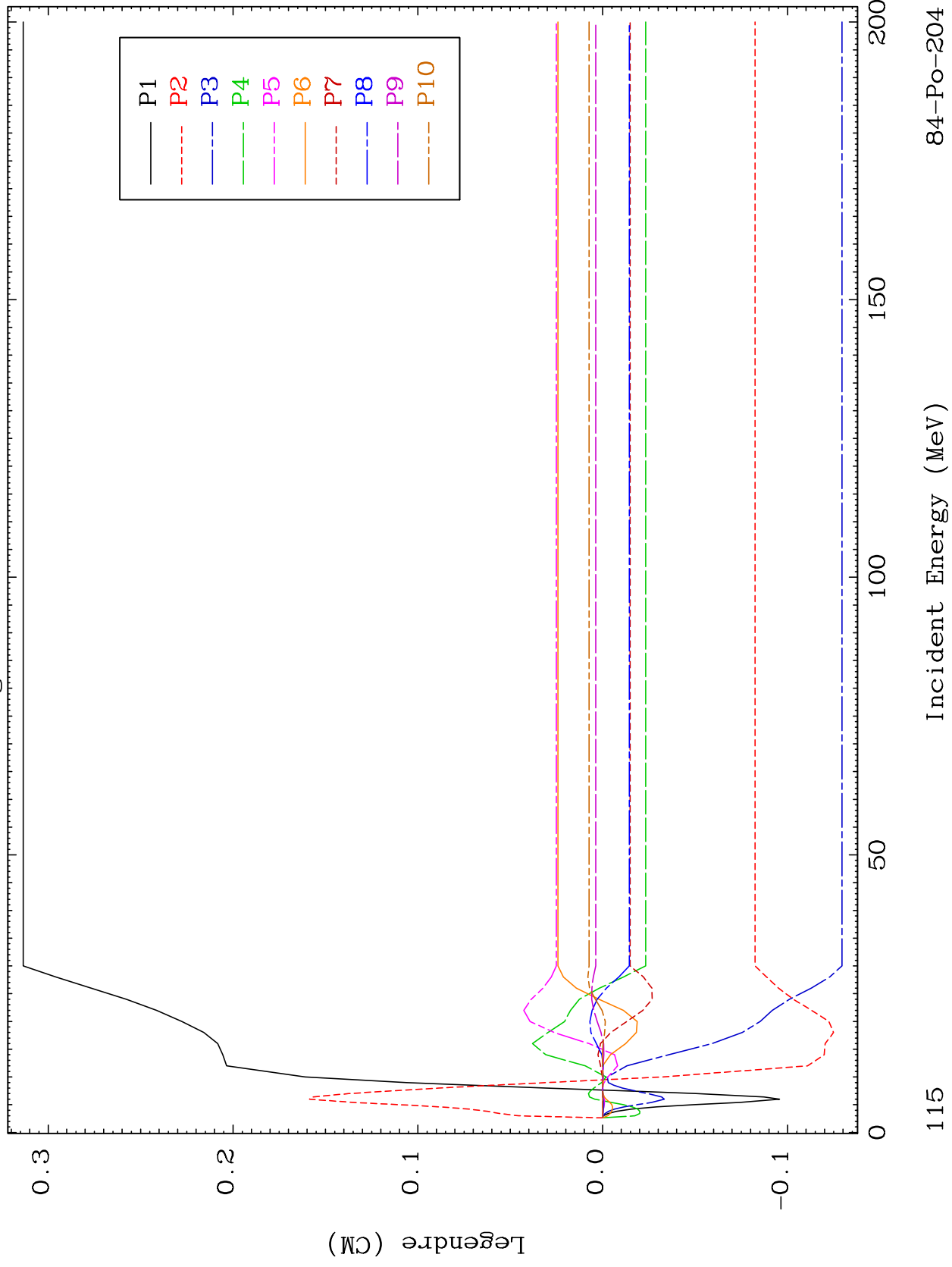
84-Po-204



MAT 8419

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

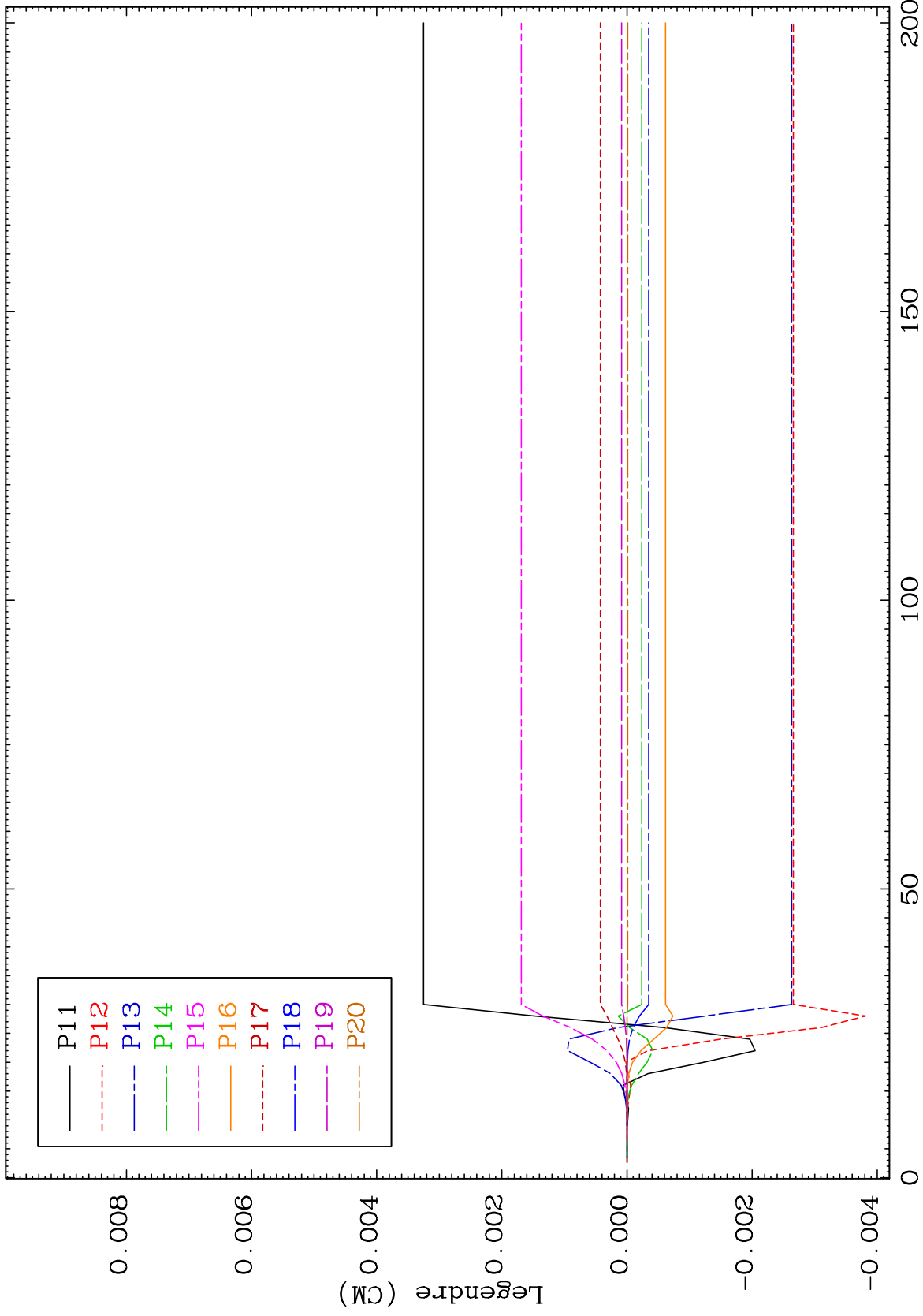
84-Po-204



MAT 8419

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

84-Po-204



116

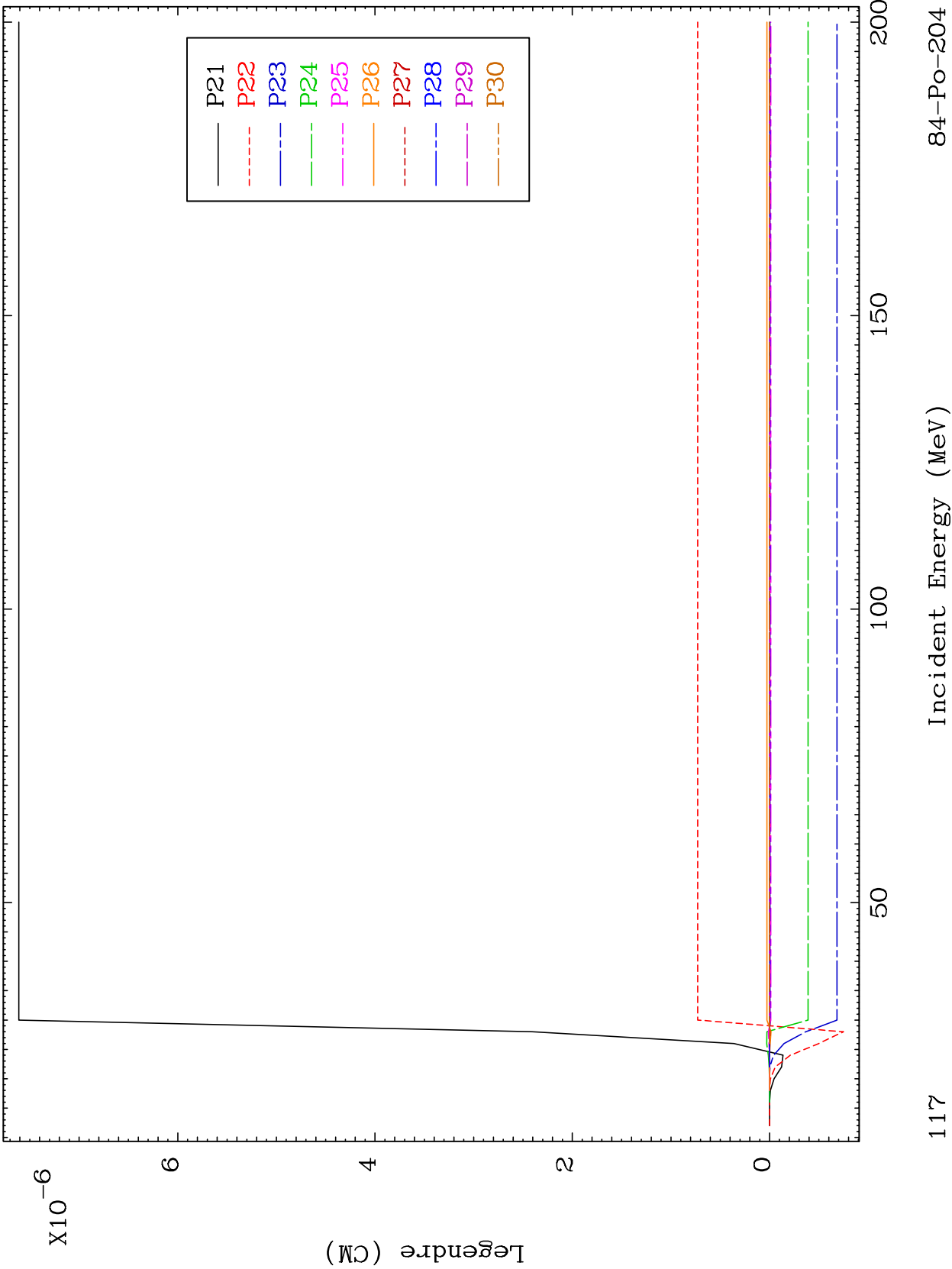
Incident Energy (MeV)

84-Po-204

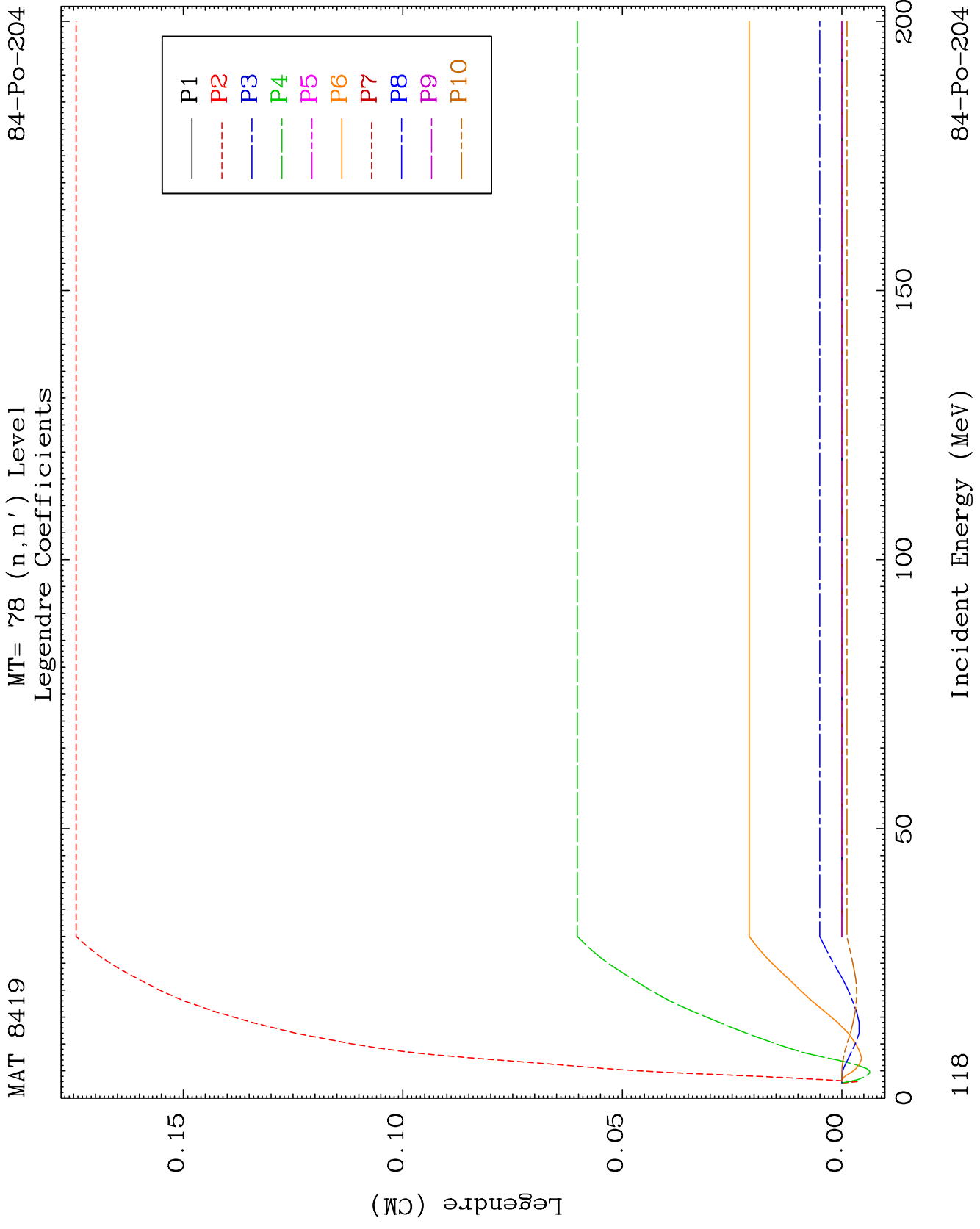
MAT 8419

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

84-Po-204



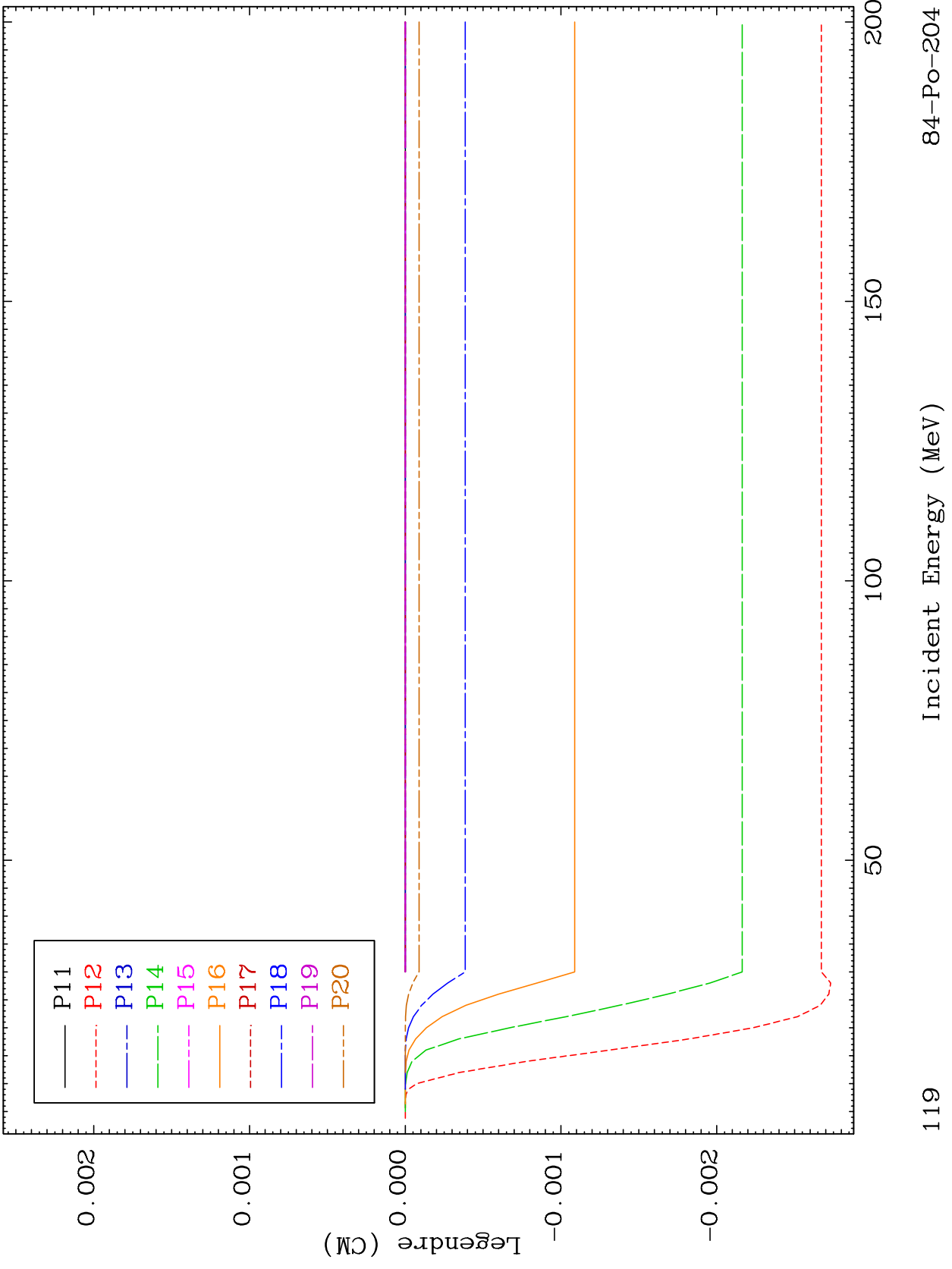
117



MAT 8419

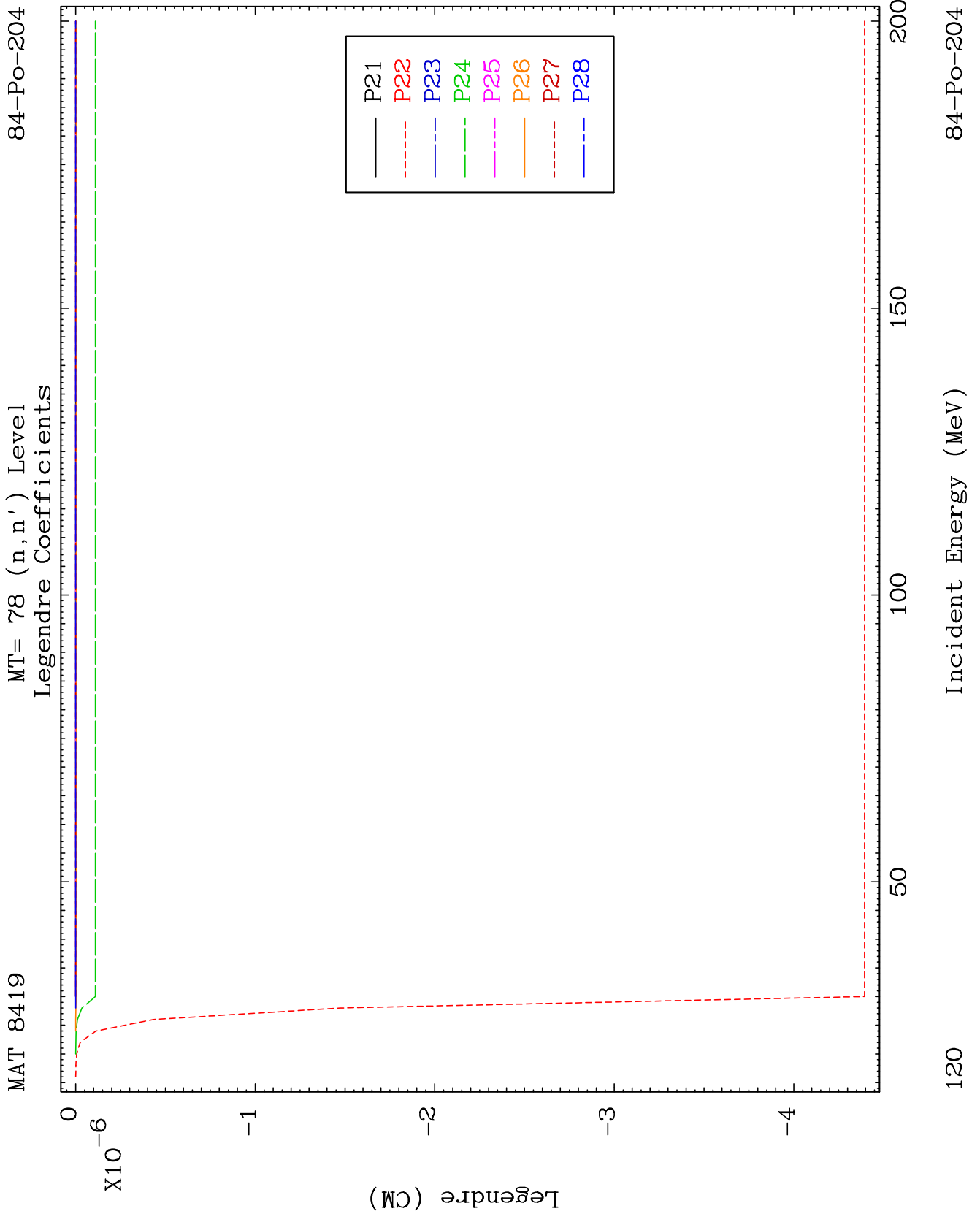
MT= 78 (n,n') Level Legendre Coefficients

84-Po-204



119

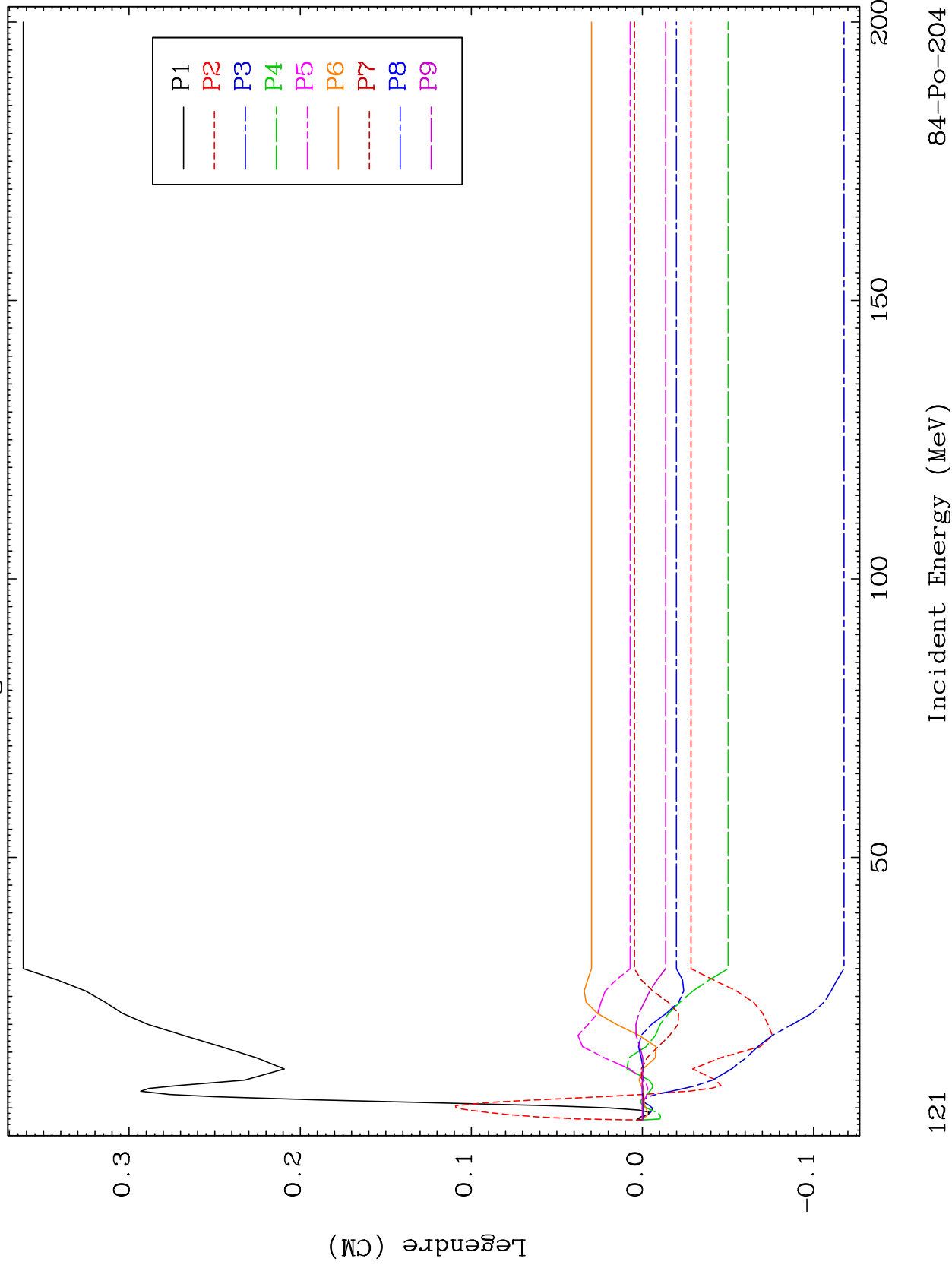
84-Po-204



MAT 8419

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

84-Po-204



121

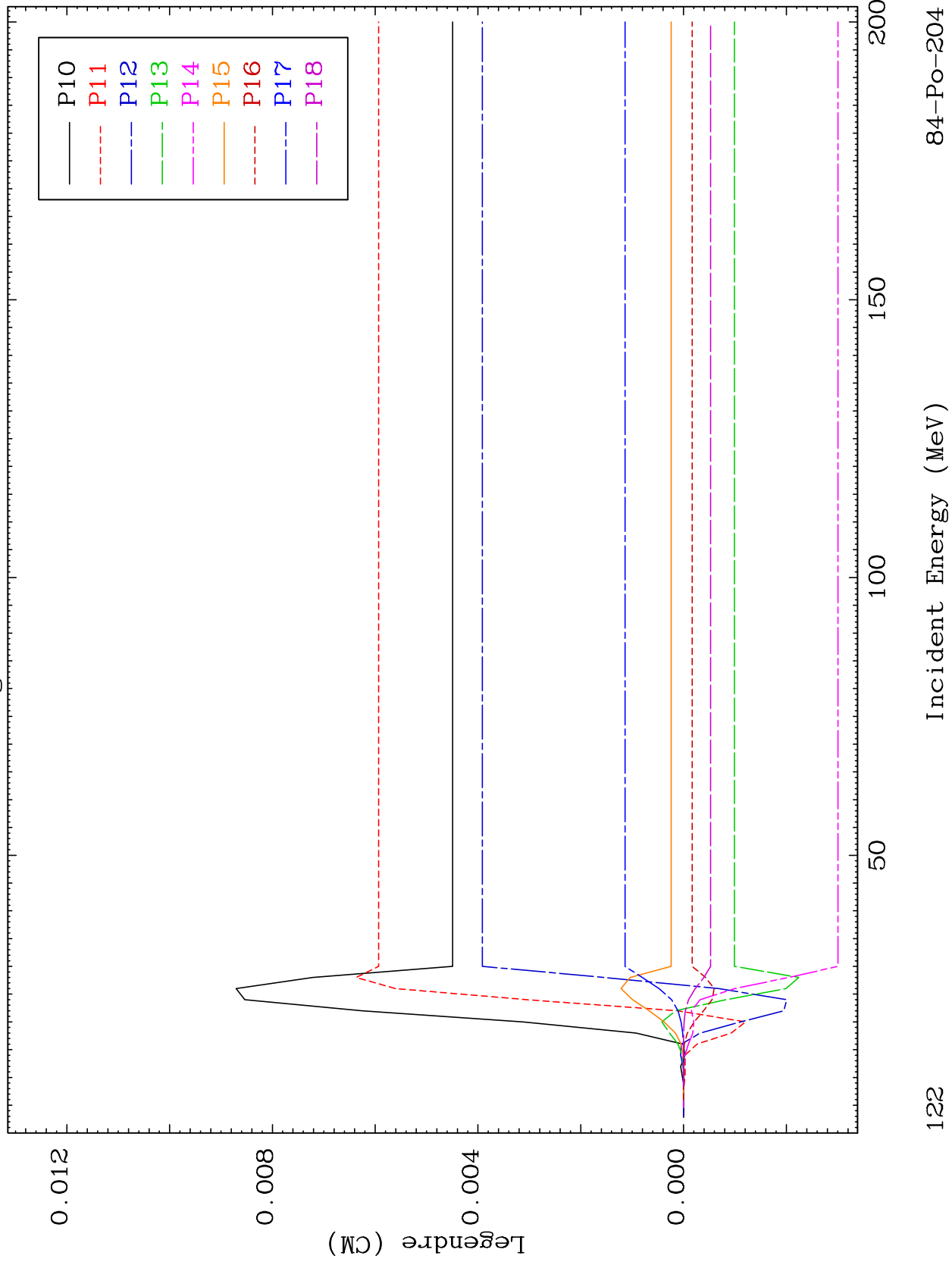
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



122

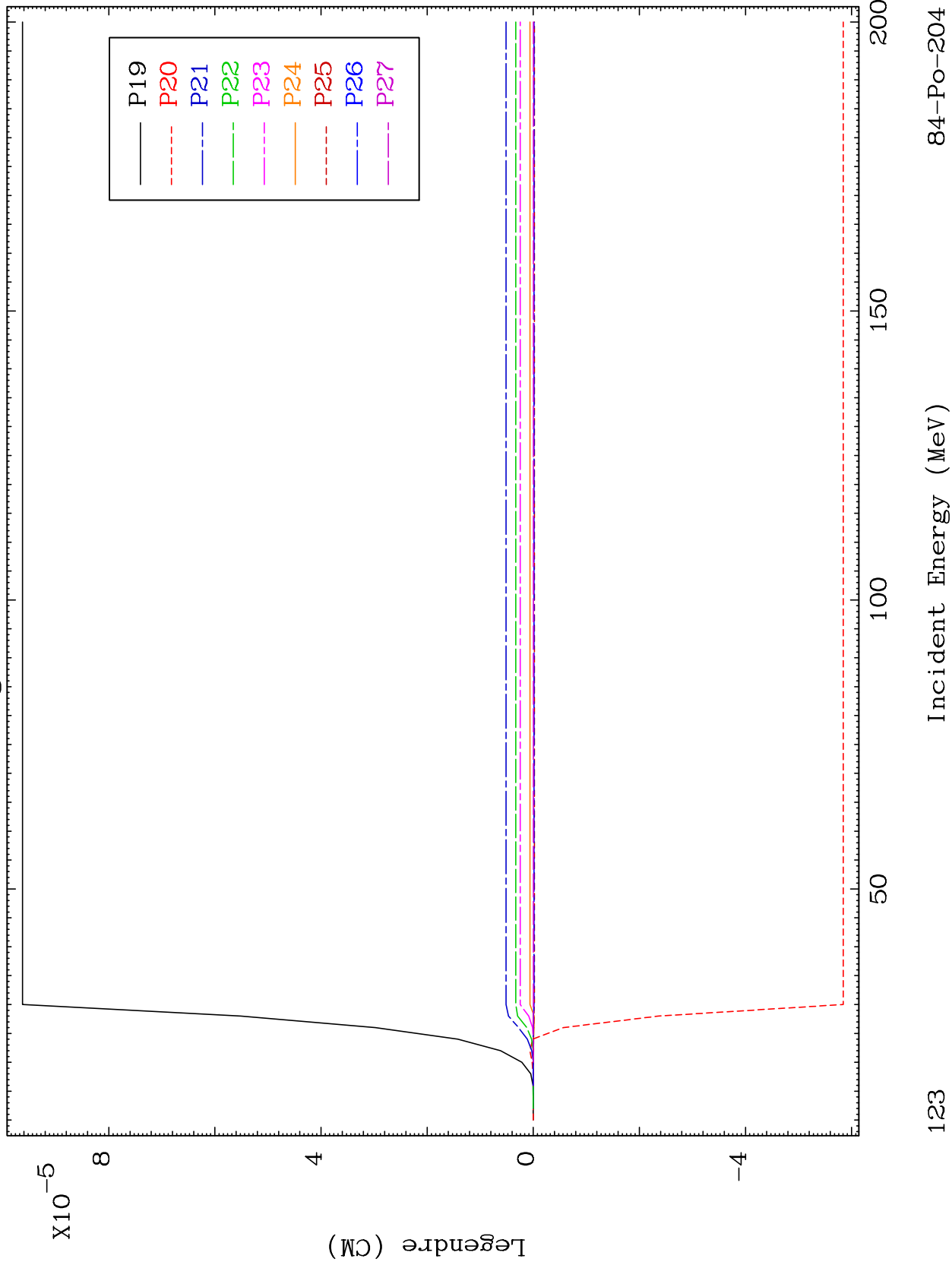
Incident Energy (MeV)

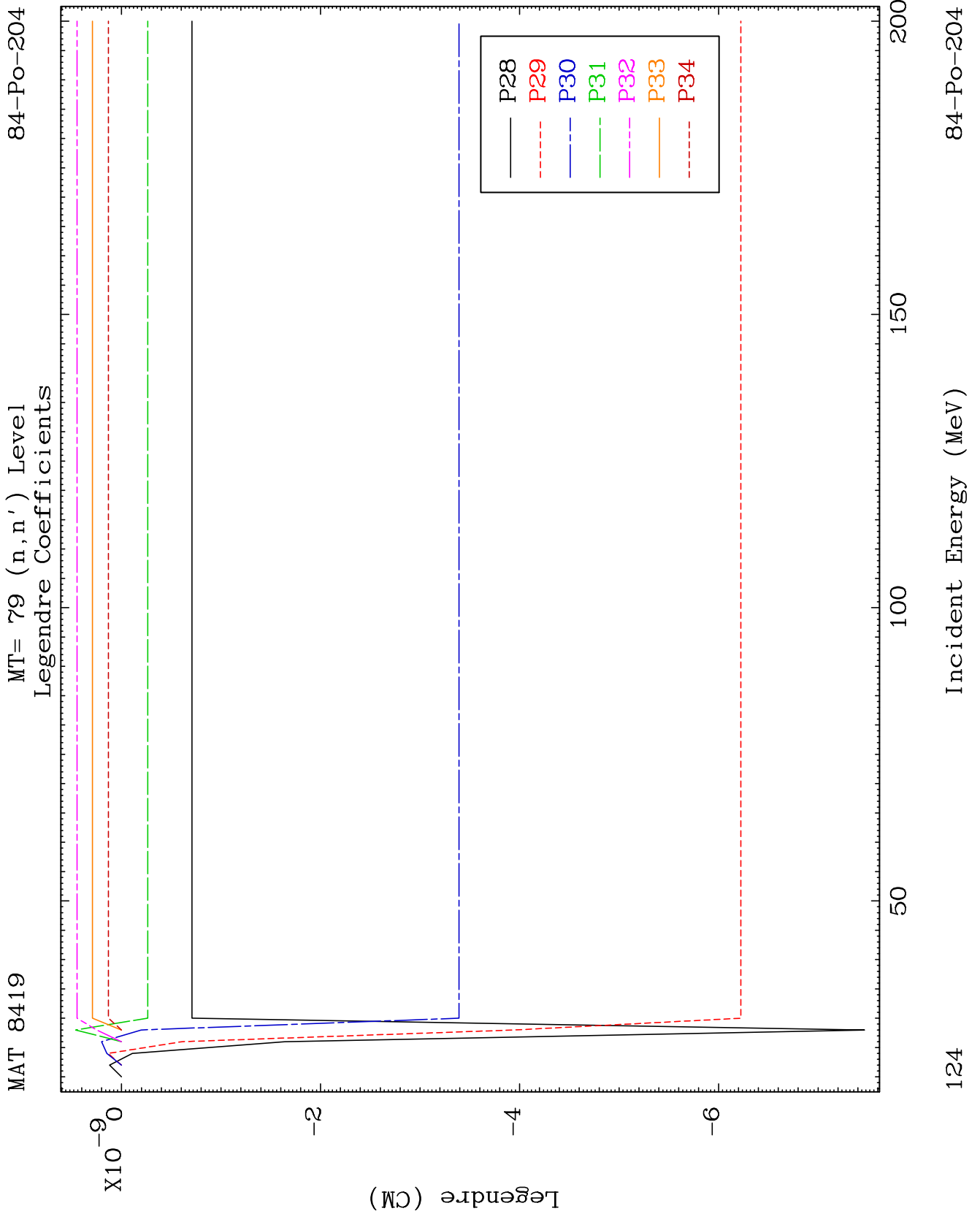
84-Po-204

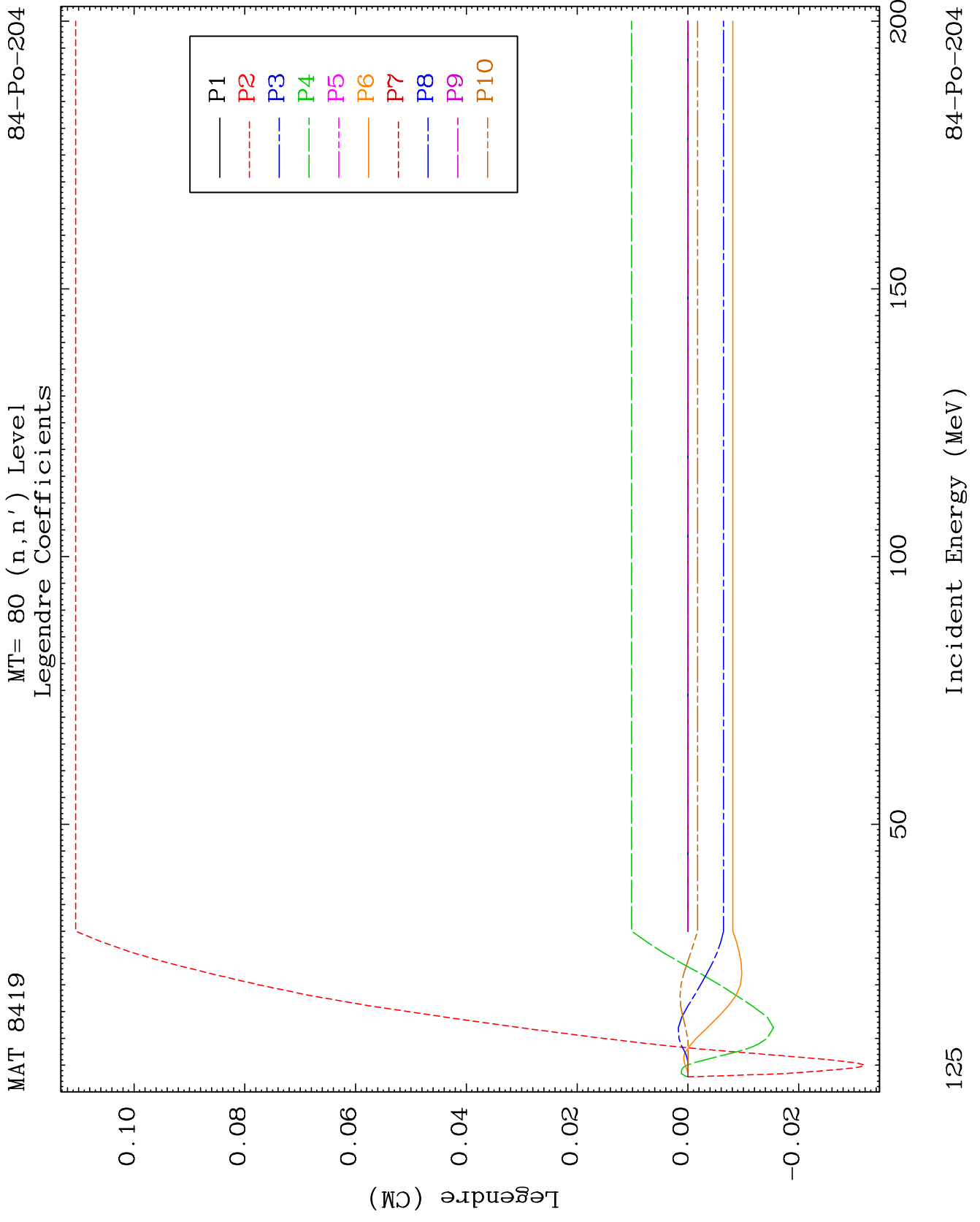
MAT 8419

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

84-Po-204



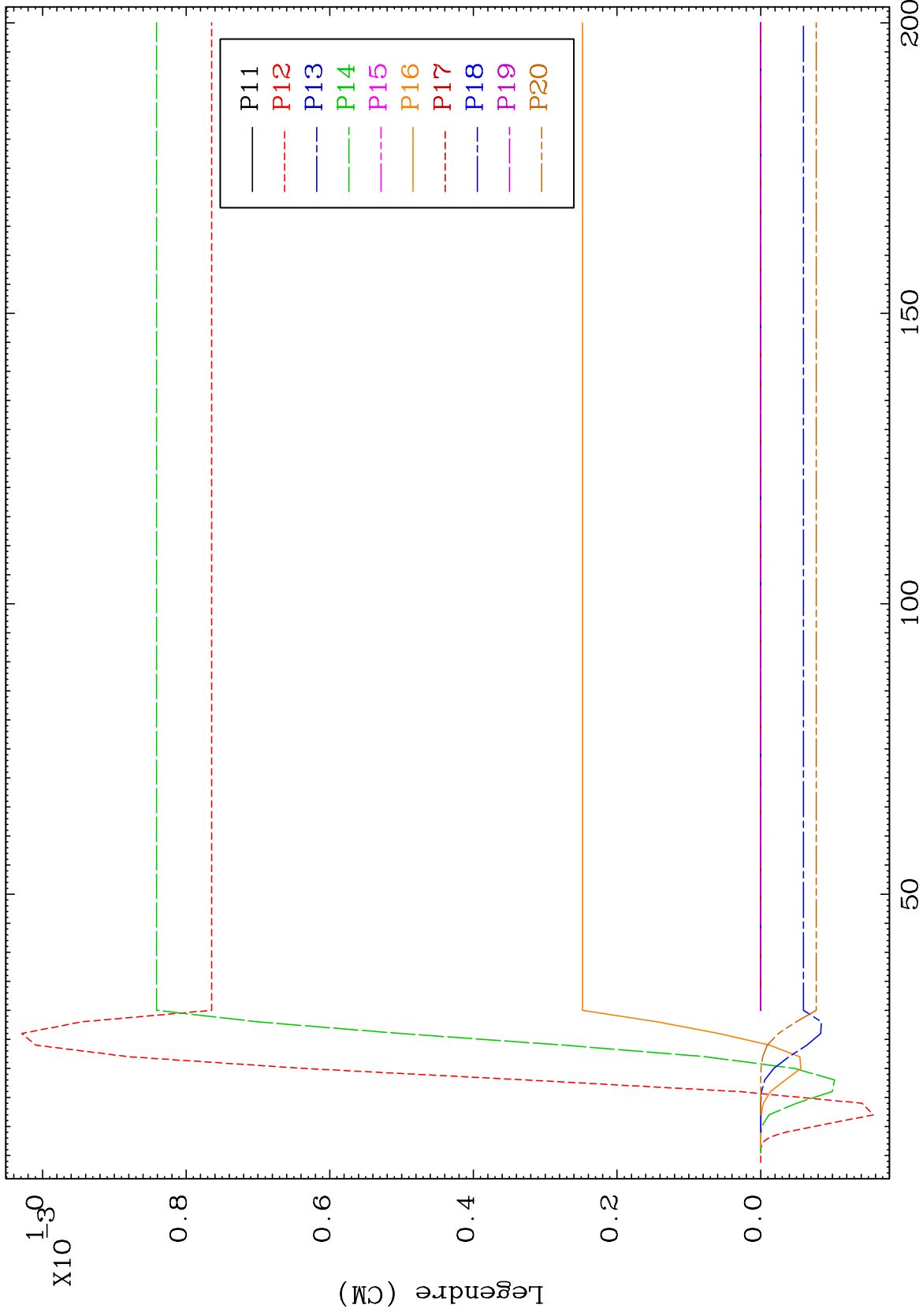




MAT 8419

MT= 80 (n,n') Level
Legendre Coefficients

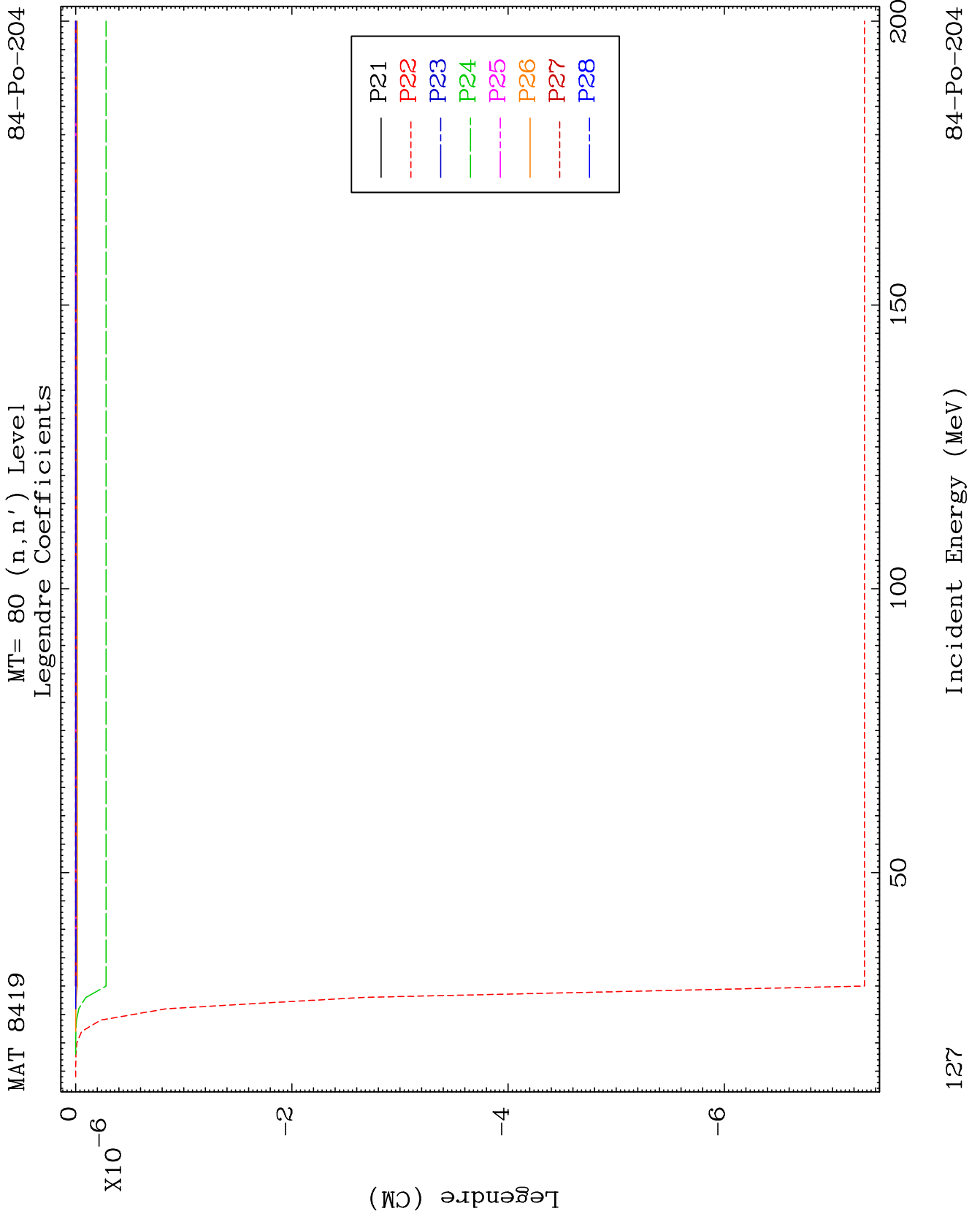
84-Po-204



126

Incident Energy (MeV)

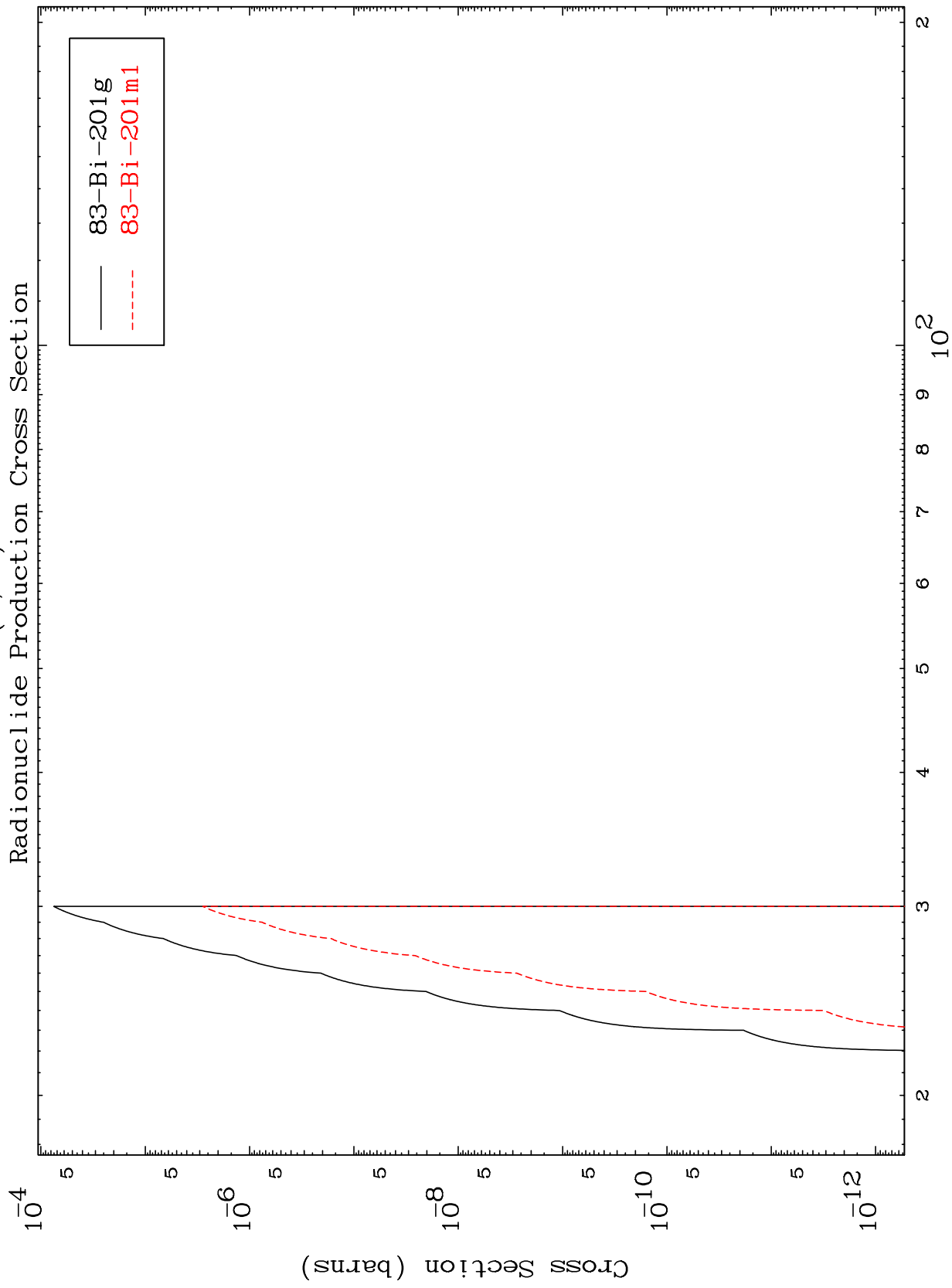
84-Po-204



MAT 8419

84-Po-204

(n,2n) d
Radionuclide Production Cross Section



128

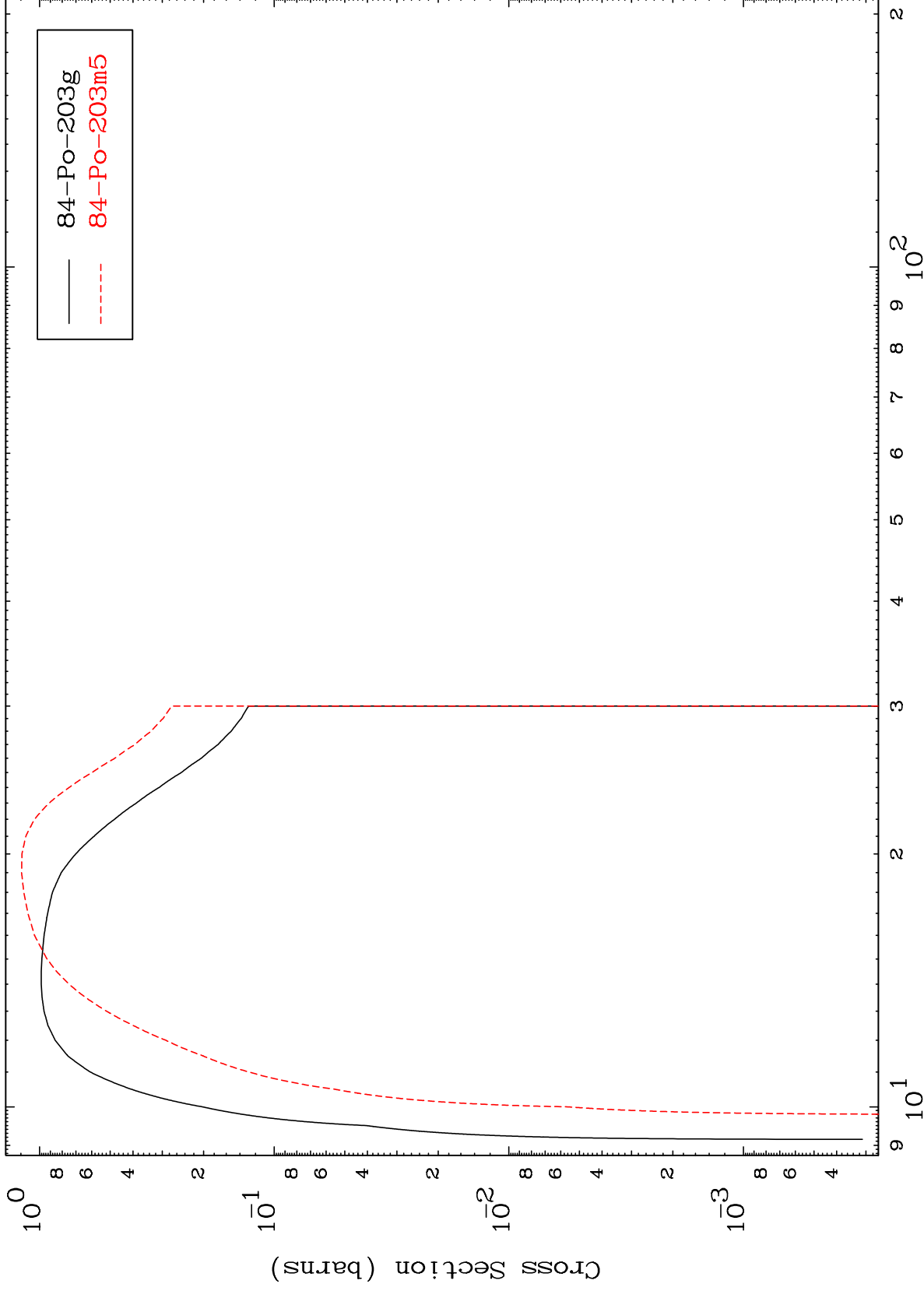
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

(n,2n)
Radionuclide Production Cross Section



129

Incident Energy (MeV)

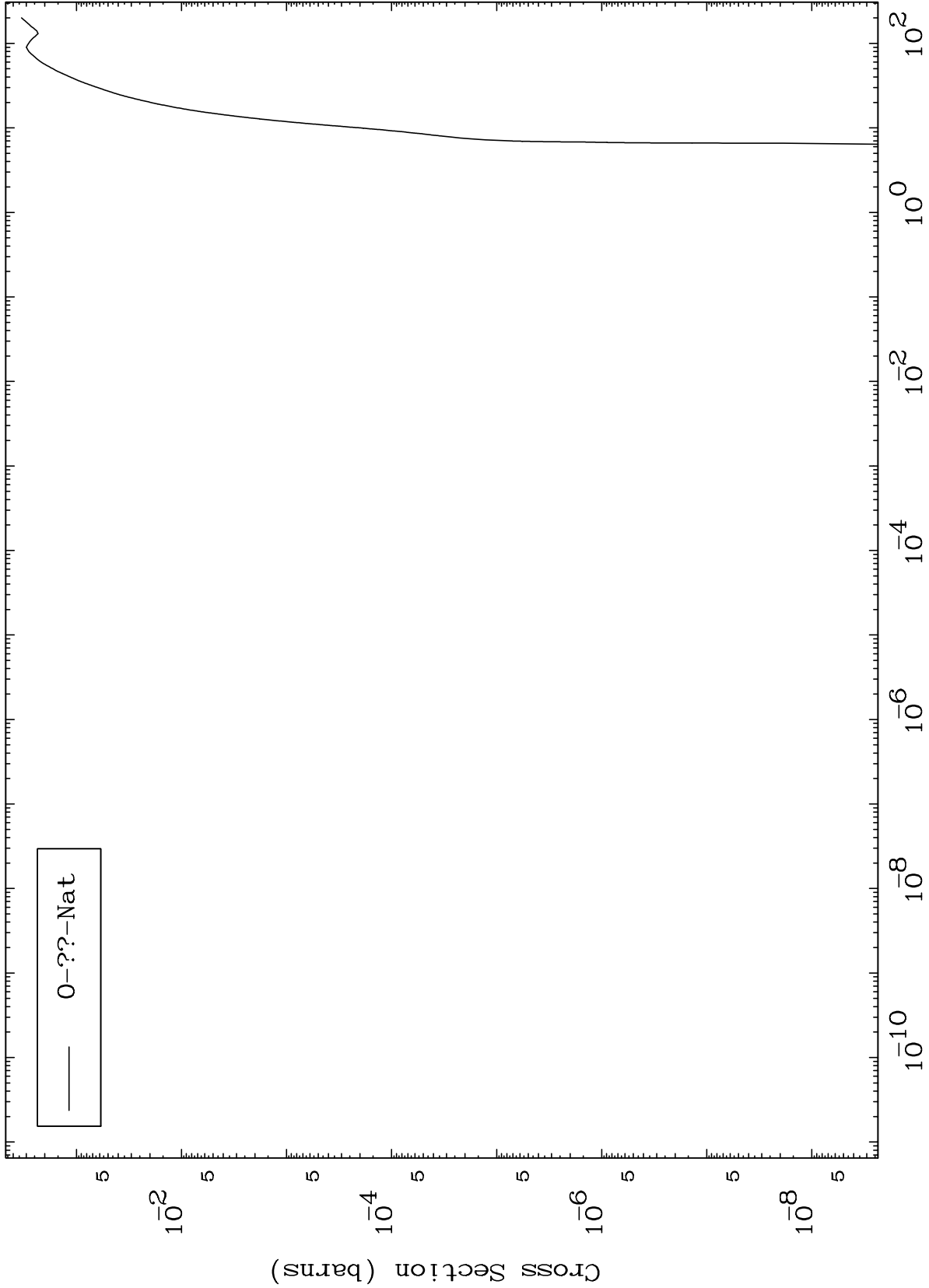
84-Po-204

MAT 8419

Fission

84-Po-204

Radionuclide Production Cross Section



130

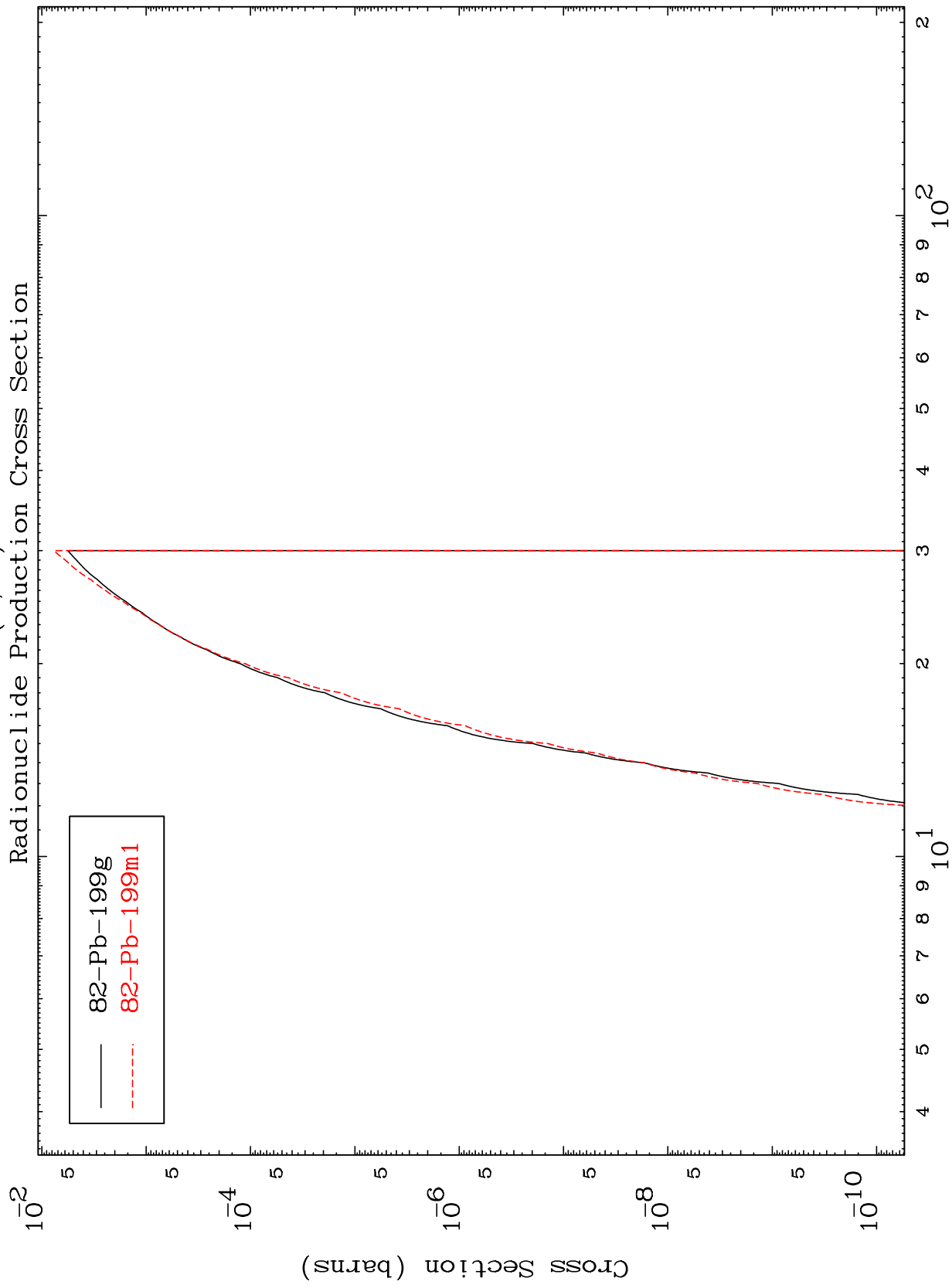
Incident Energy (MeV)

84-Po-204

MAT 8419

$(n,2n) \alpha$

84-Po-204



131

Incident Energy (MeV)

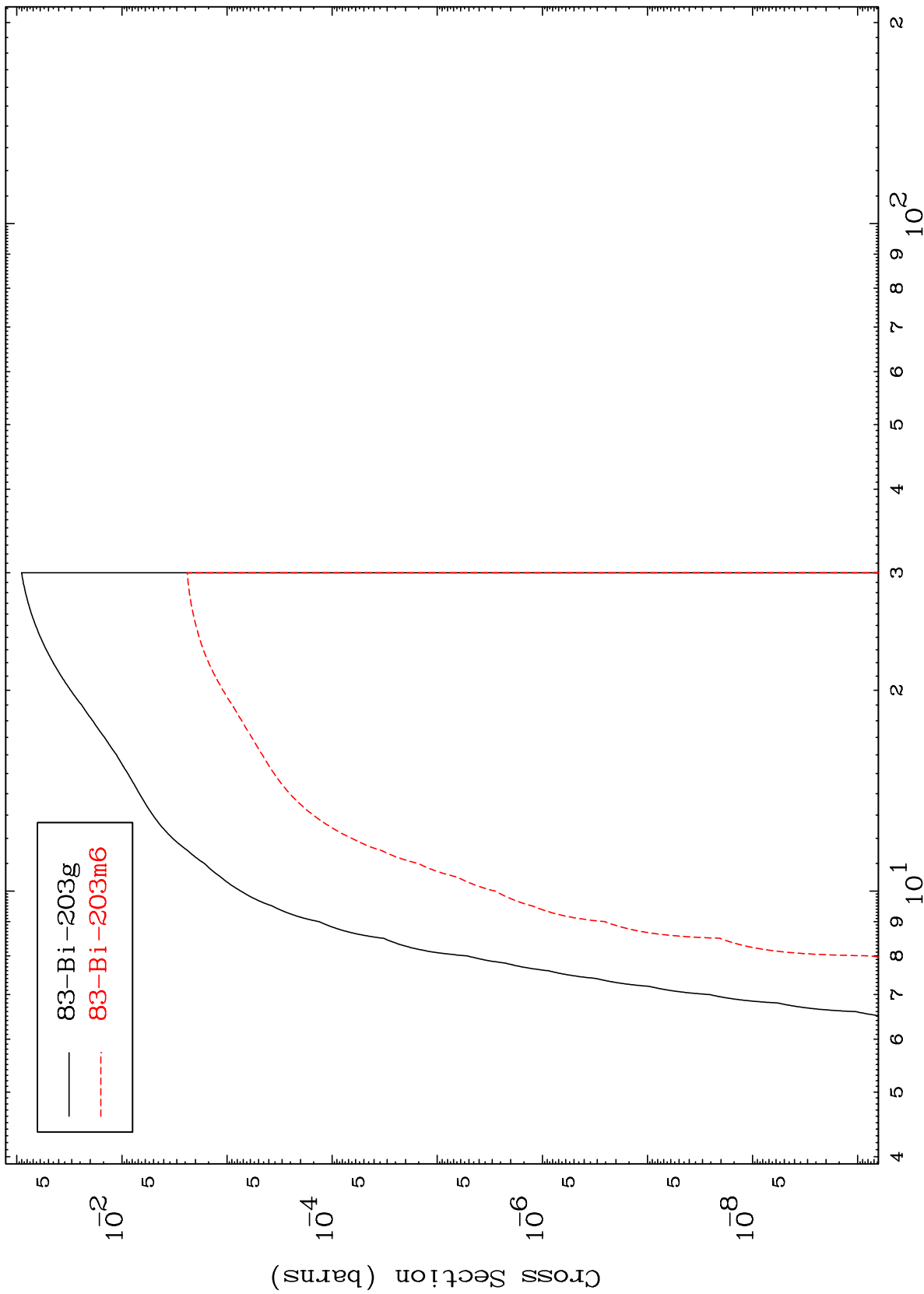
84-Po-204

MAT 8419

(n,n') p

84-Po-204

Radionuclide Production Cross Section



132

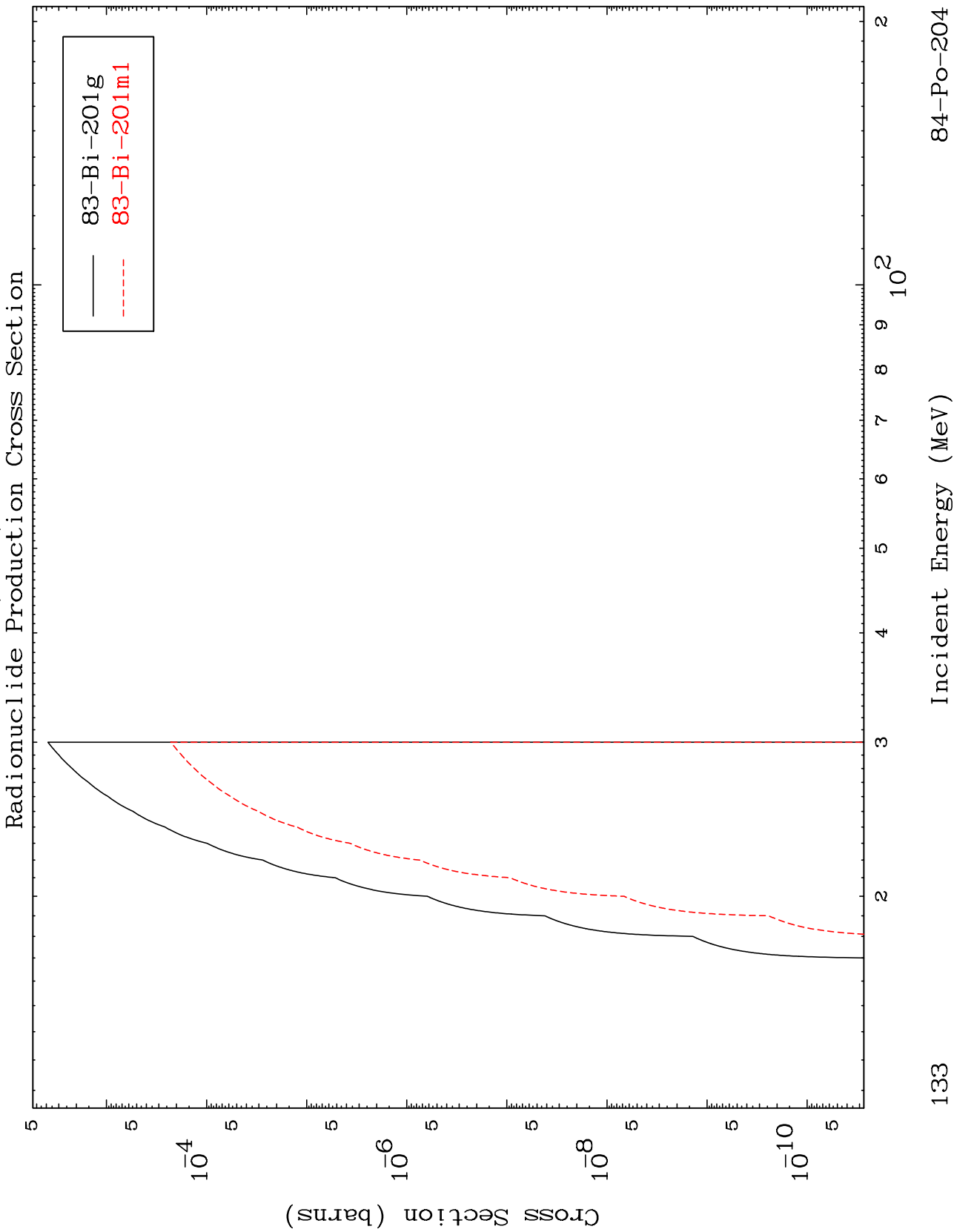
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,n') t

84-Po-204



133

Incident Energy (MeV)

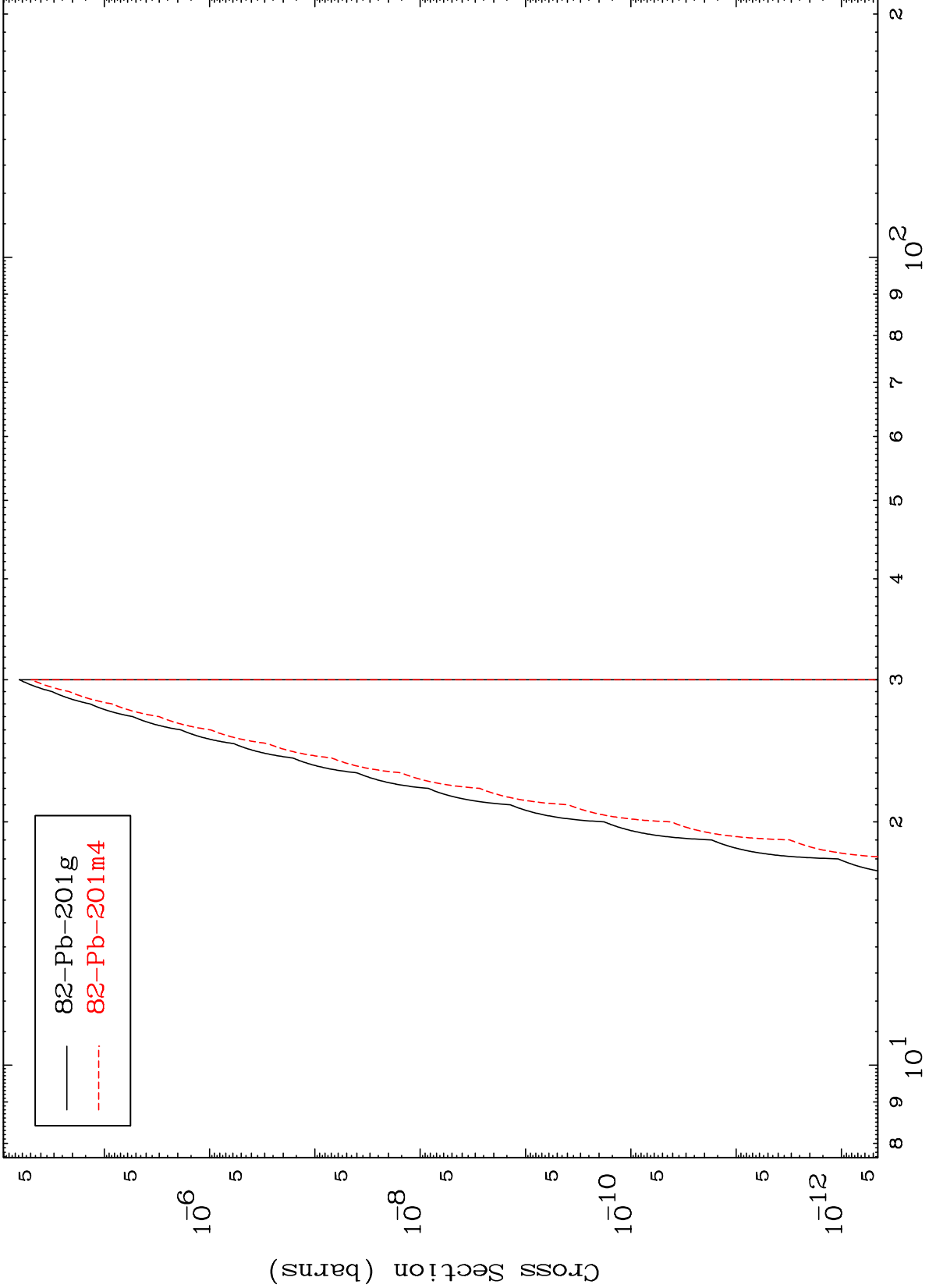
84-Po-204

MAT 8419

(n,n') He-3

84-Po-204

Radionuclide Production Cross Section



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

134

Incident Energy (MeV)

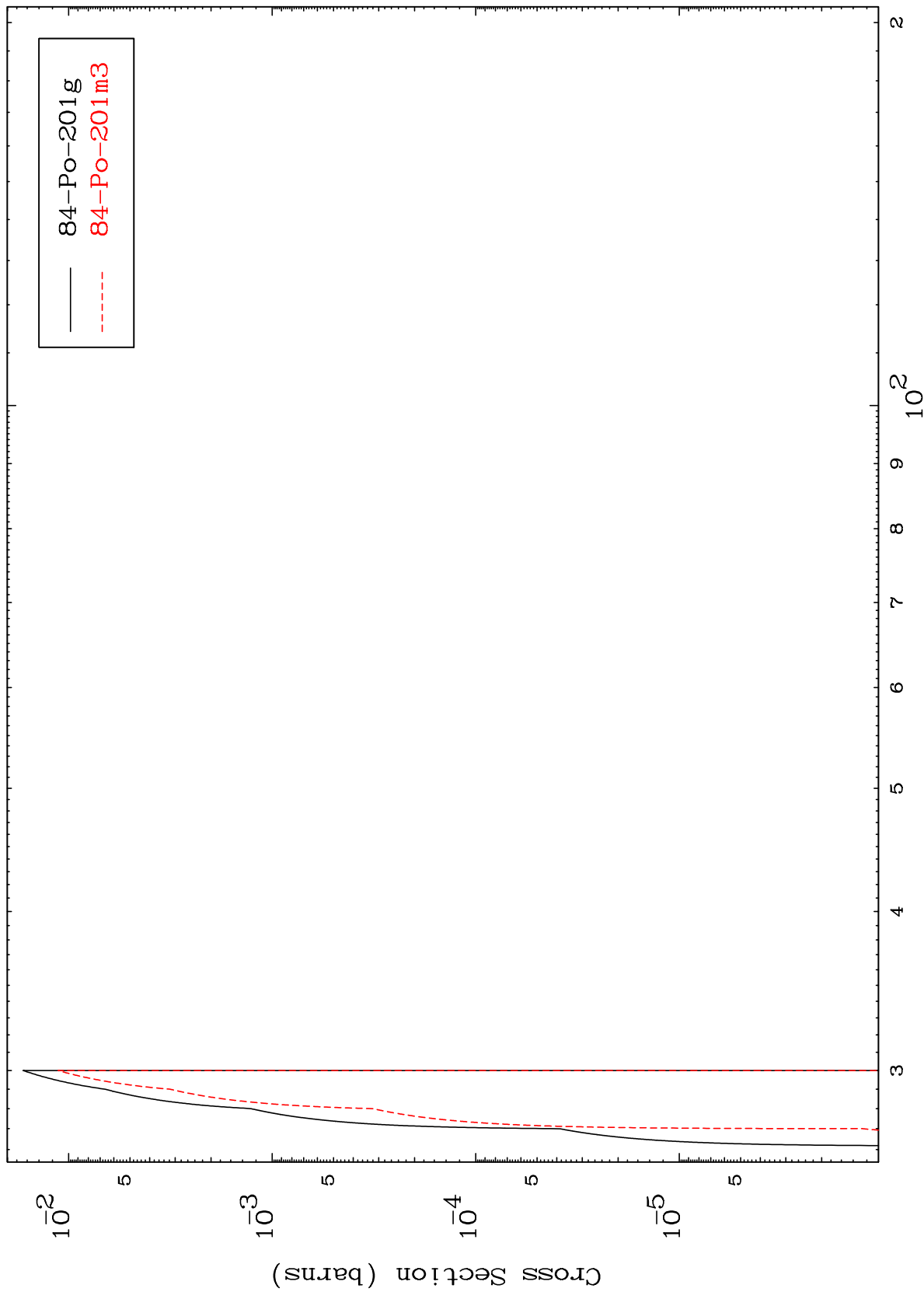
84-Po-204

MAT 8419

84-Po-204

(n,4n)

Radionuclide Production Cross Section



135

Incident Energy (MeV)

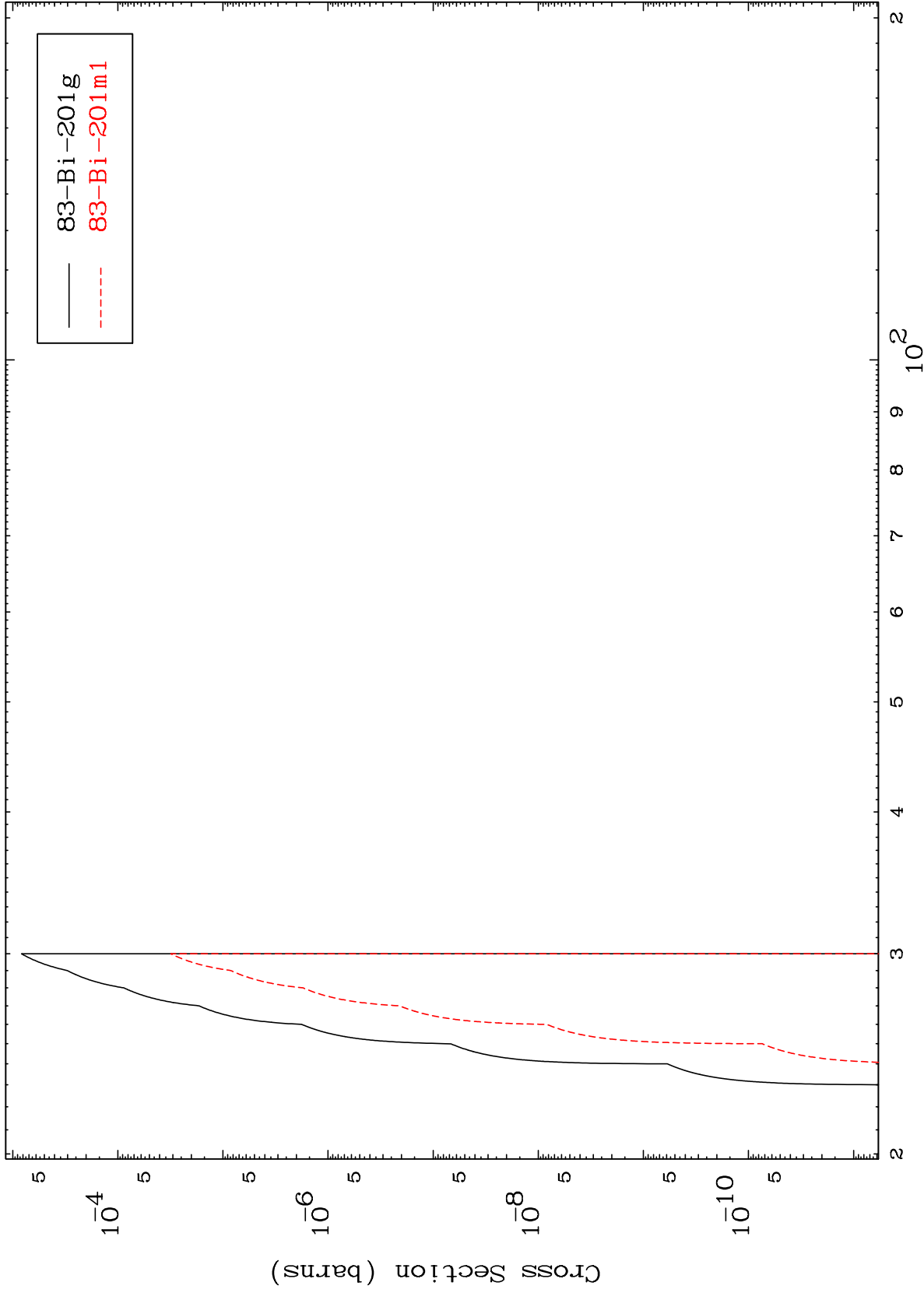
84-Po-204

MAT 8419

(n,3n) p

84-Po-204

Radionuclide Production Cross Section



136

Incident Energy (MeV)

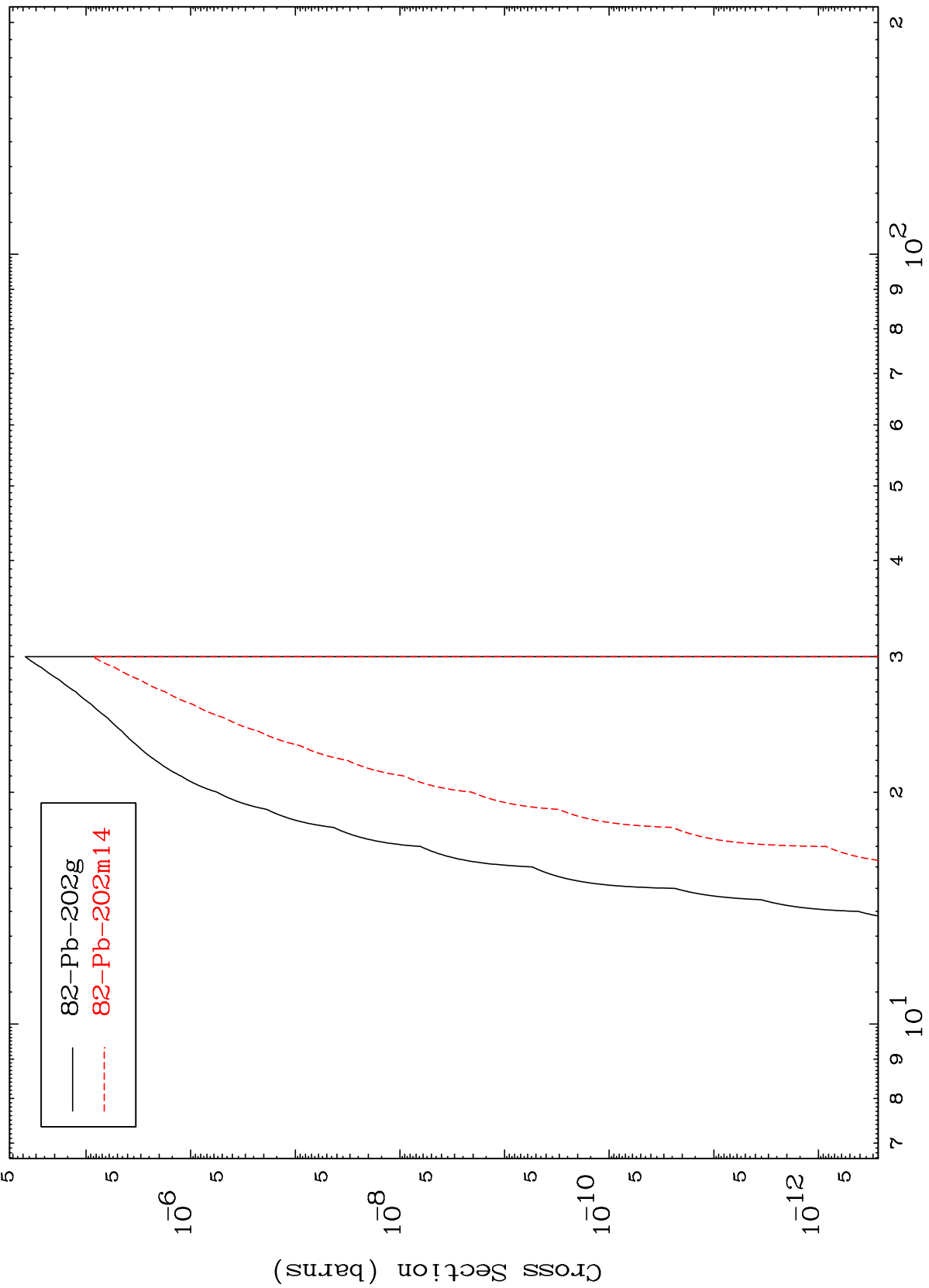
84-Po-204

MAT 8419

(n,2n) p

84-Po-204

Radionuclide Production Cross Section



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

137

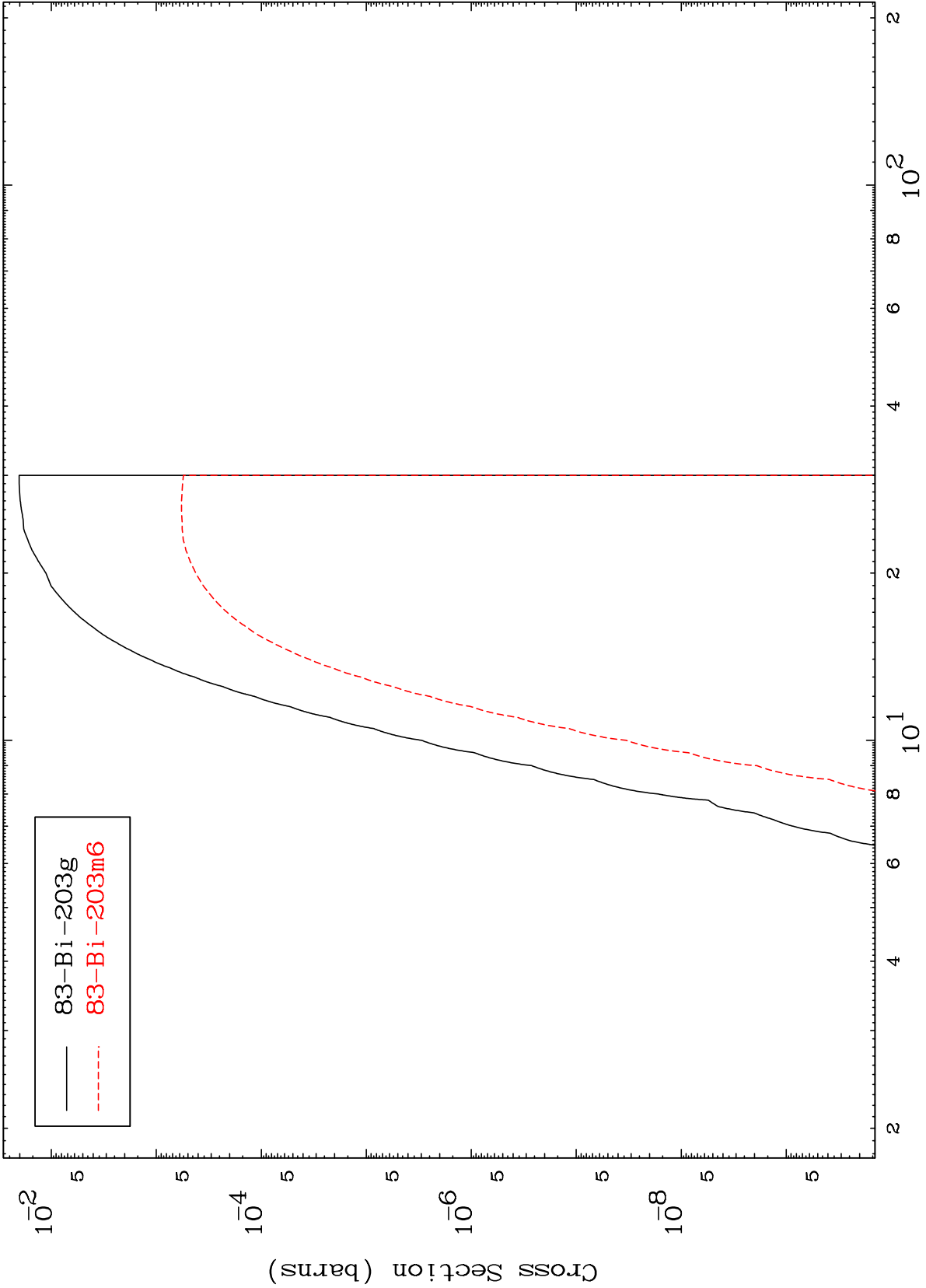
Incident Energy (MeV)

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)

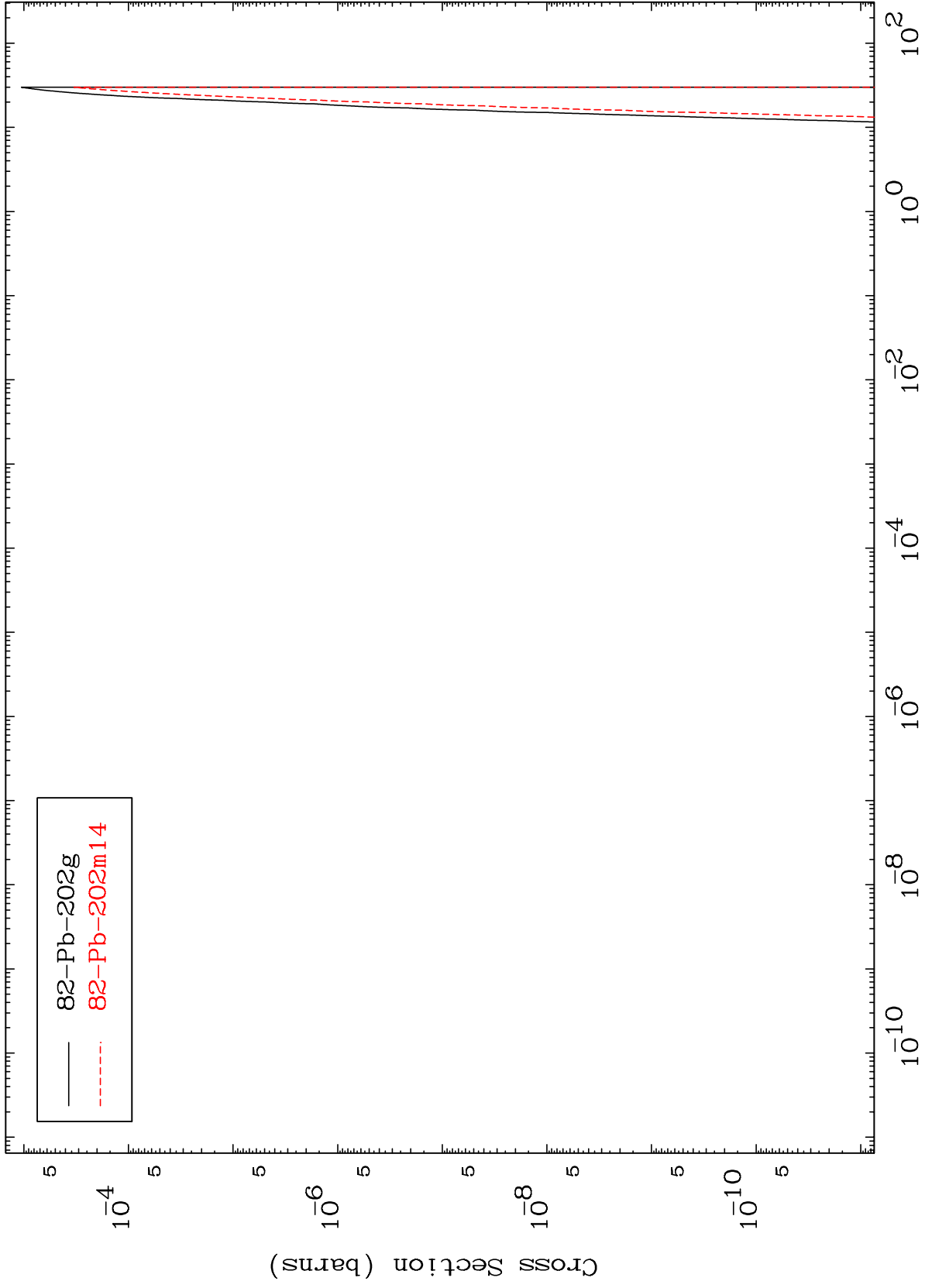
138

MAT 8419

(n,He-3)

84-Po-204

Radionuclide Production Cross Section



139

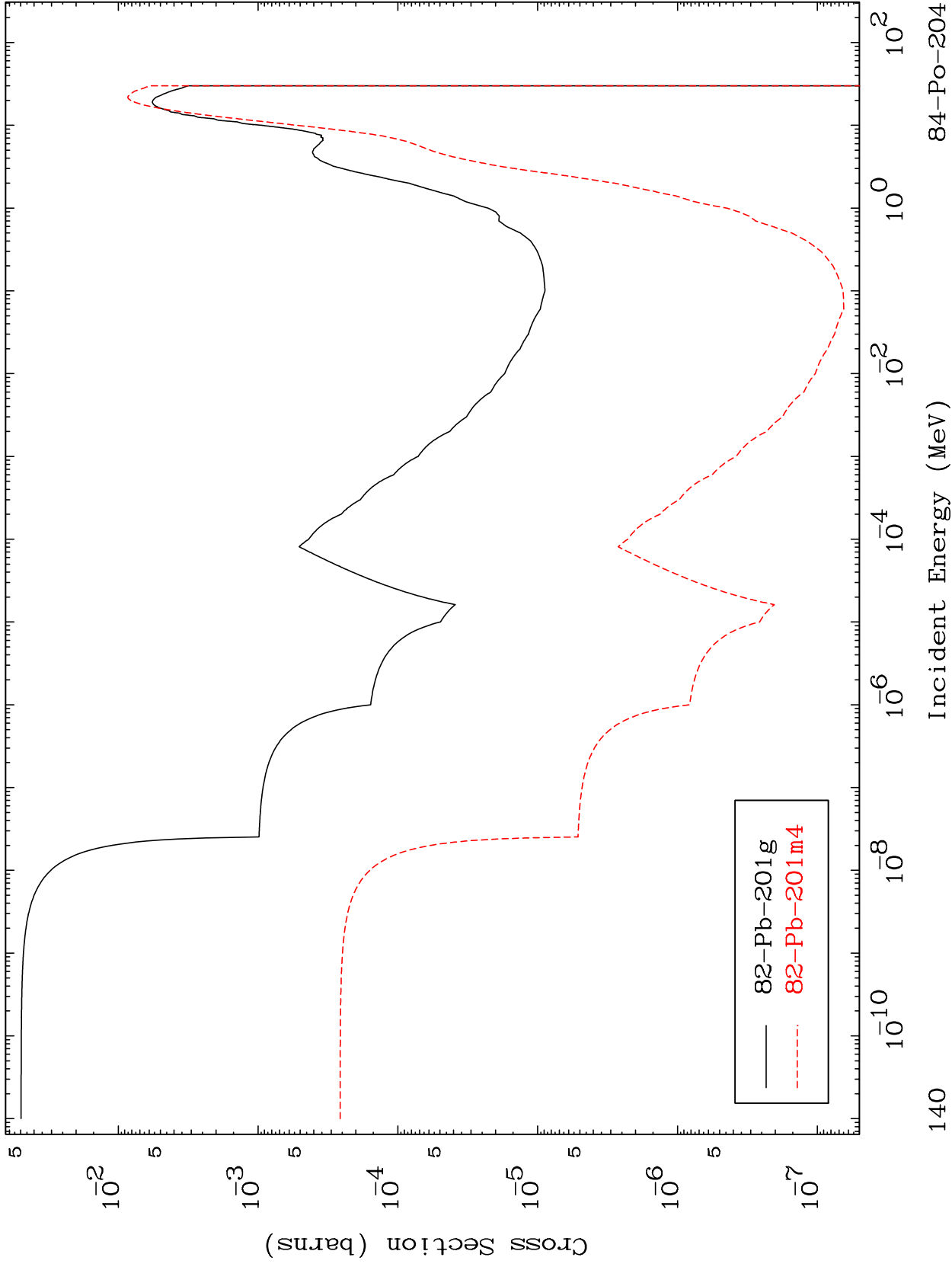
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

Radionuclide Production Cross Section
(n, α)



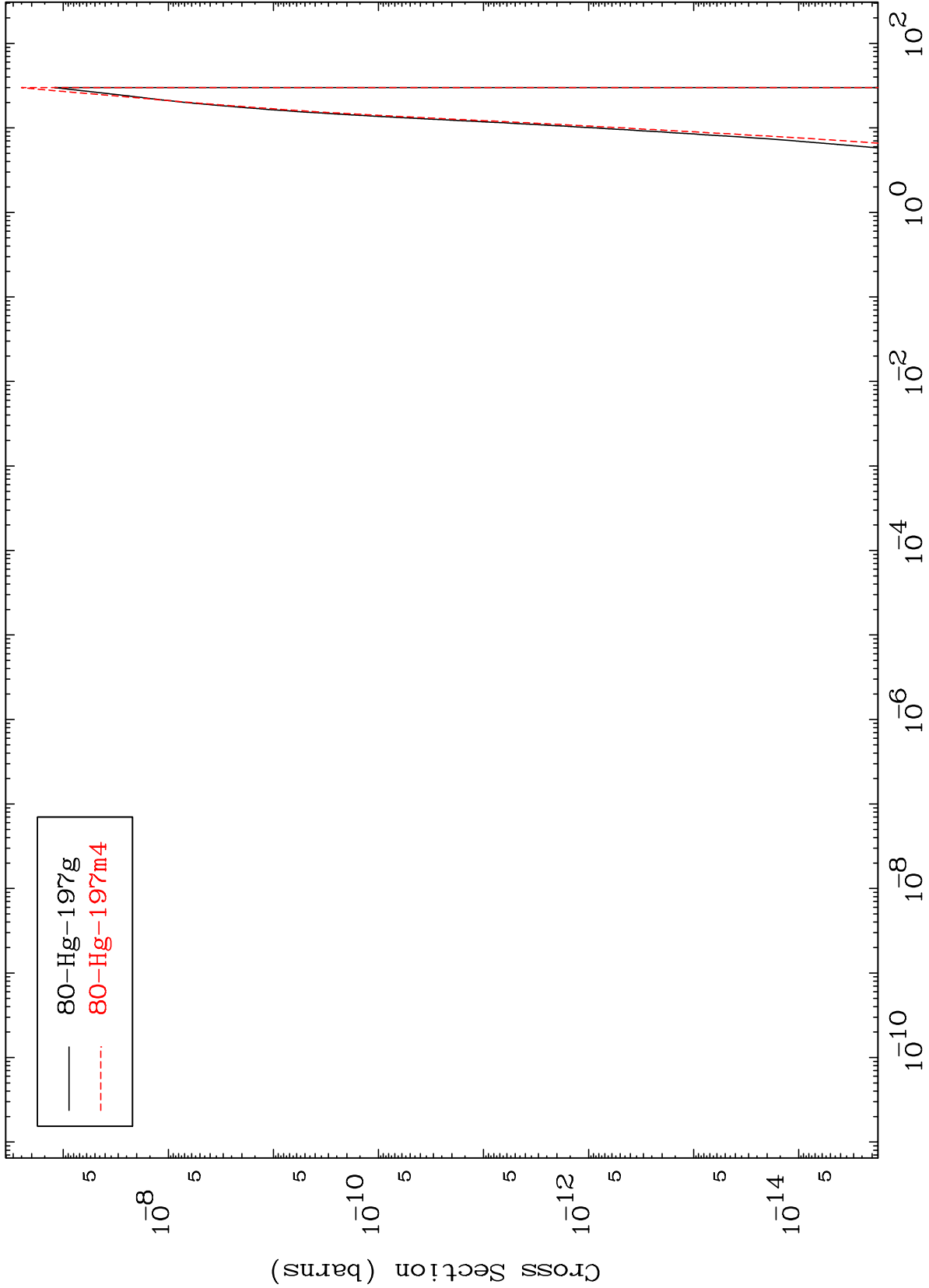
140

MAT 8419

(n,2α)

84-Po-204

Radionuclide Production Cross Section



141

Incident Energy (MeV)

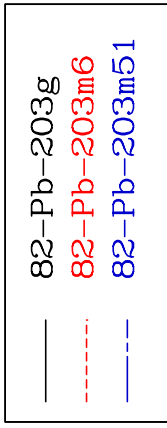
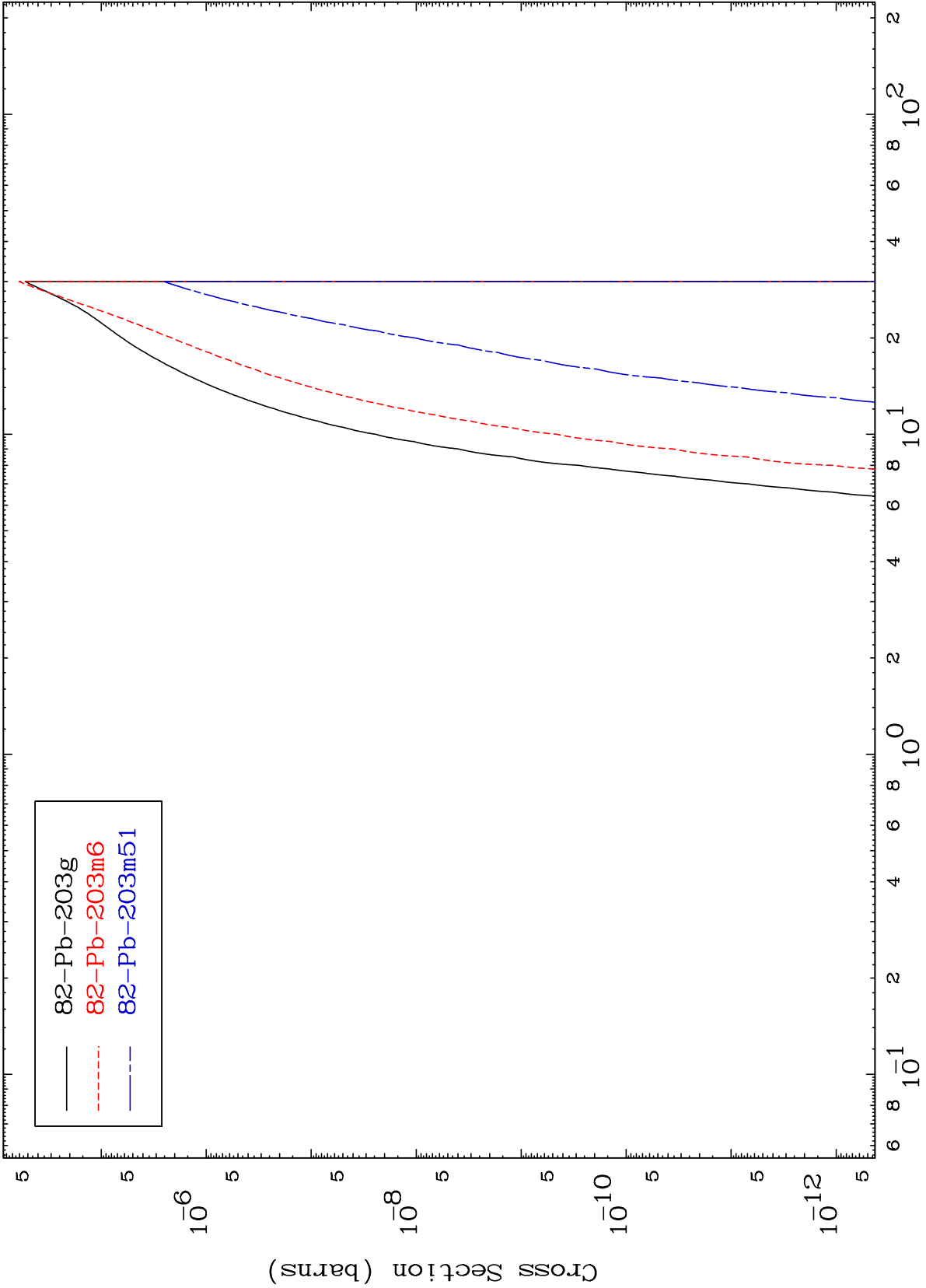
84-Po-204

MAT 8419

(n,2p)

84-Po-204

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-204

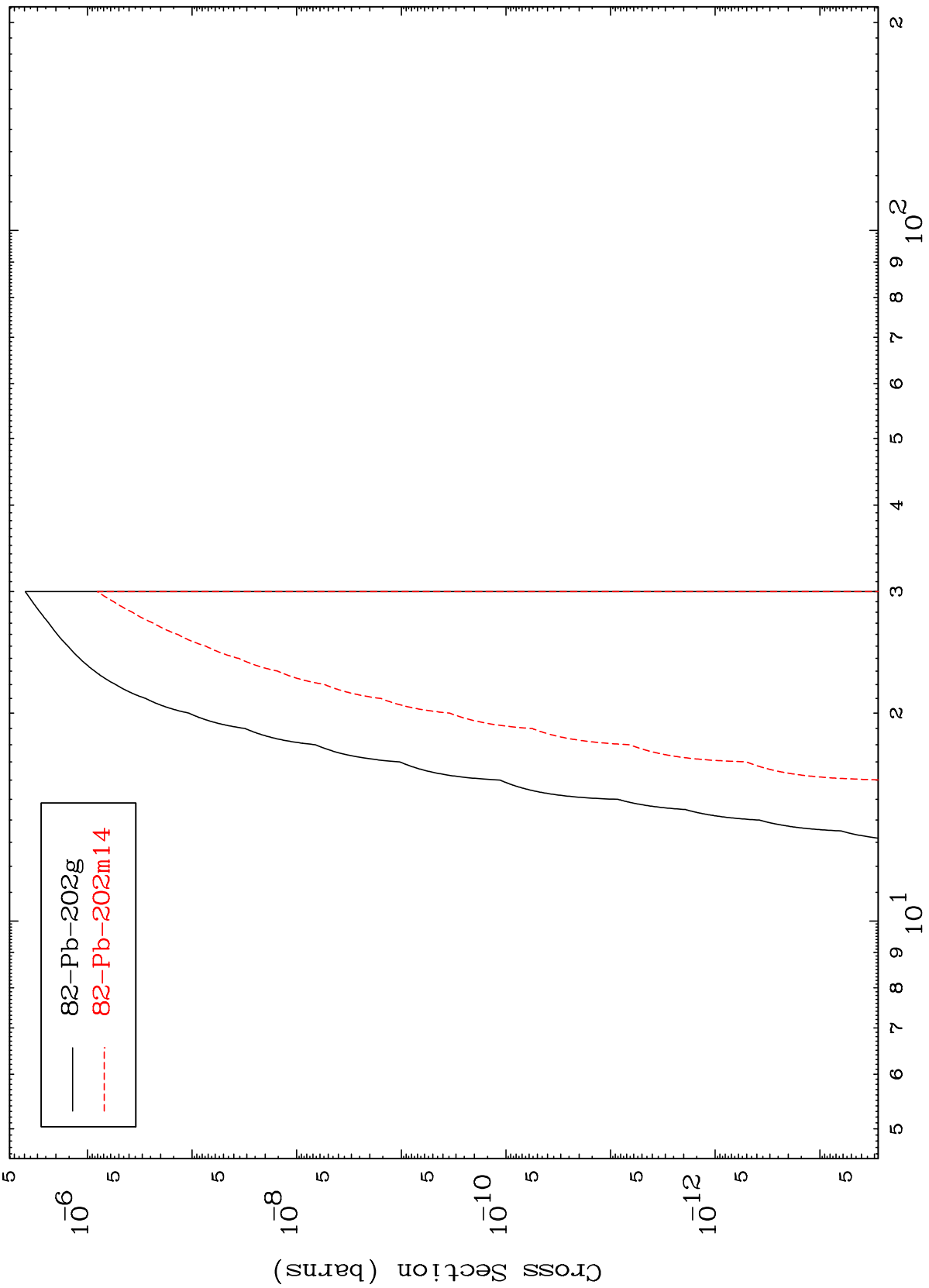
142

MAT 8419

(n,p) d

84-Po-204

Radionuclide Production Cross Section



143

Incident Energy (MeV)

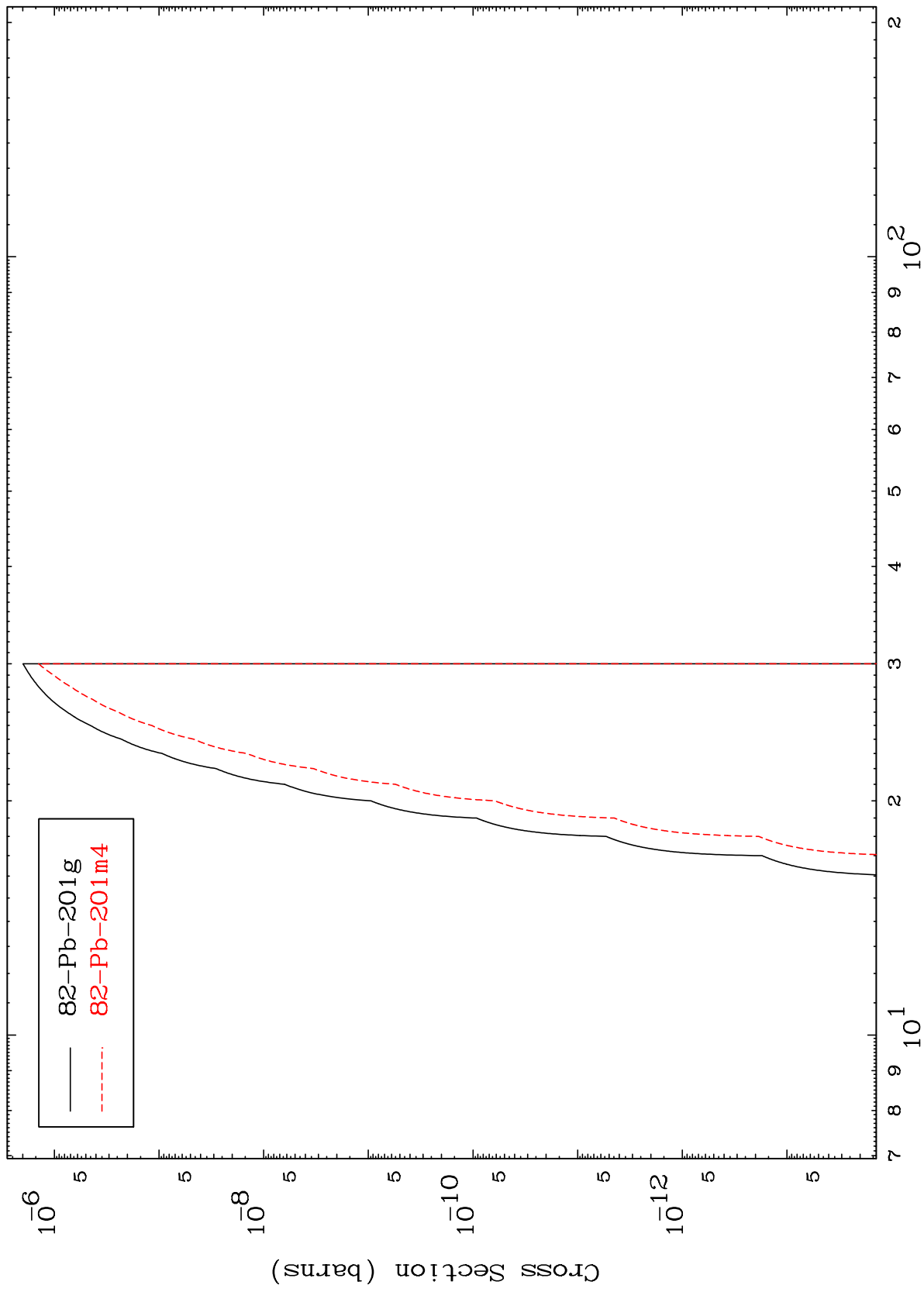
84-Po-204

MAT 8419

(n,p) t

84-Po-204

Radionuclide Production Cross Section



144

Incident Energy (MeV)

84-Po-204