

Program EVALPLOT
(Version 2018-1)

by

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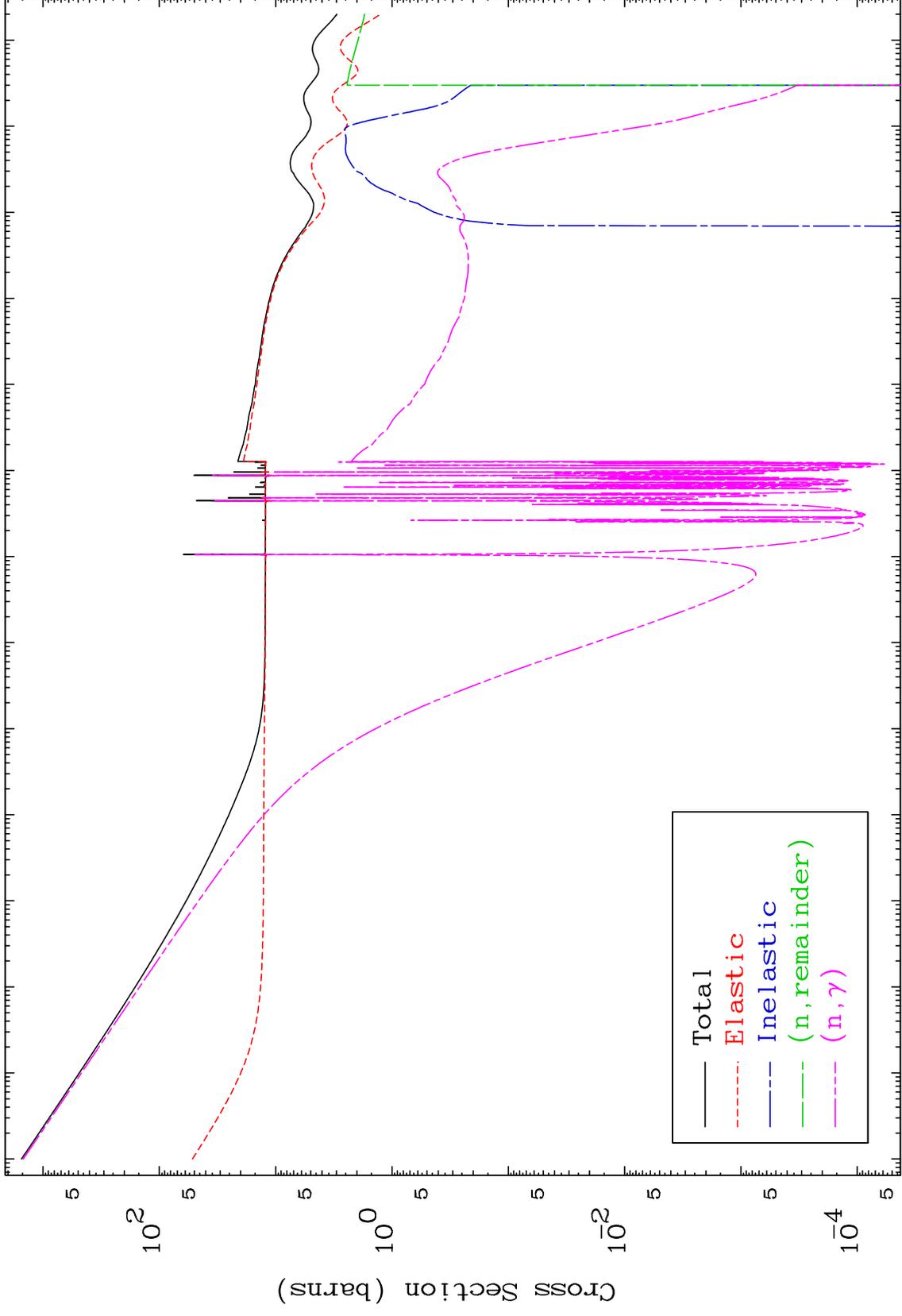
Press Mouse Button to Start

MAT 8419

Major

293 Kelvin Cross Sections

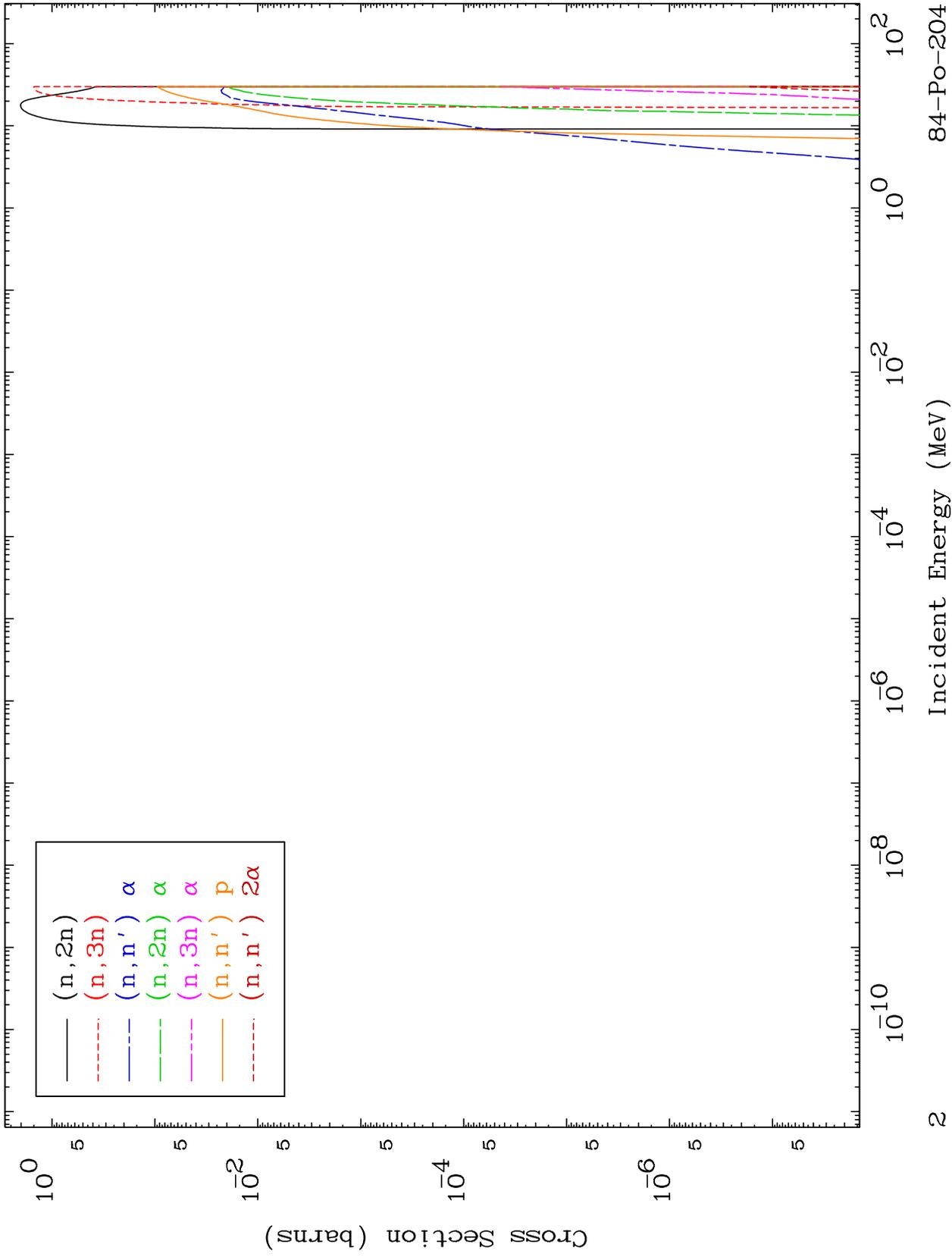
84-Po-204



MAT 8419

Neutron Production
293 Kelvin Cross Sections

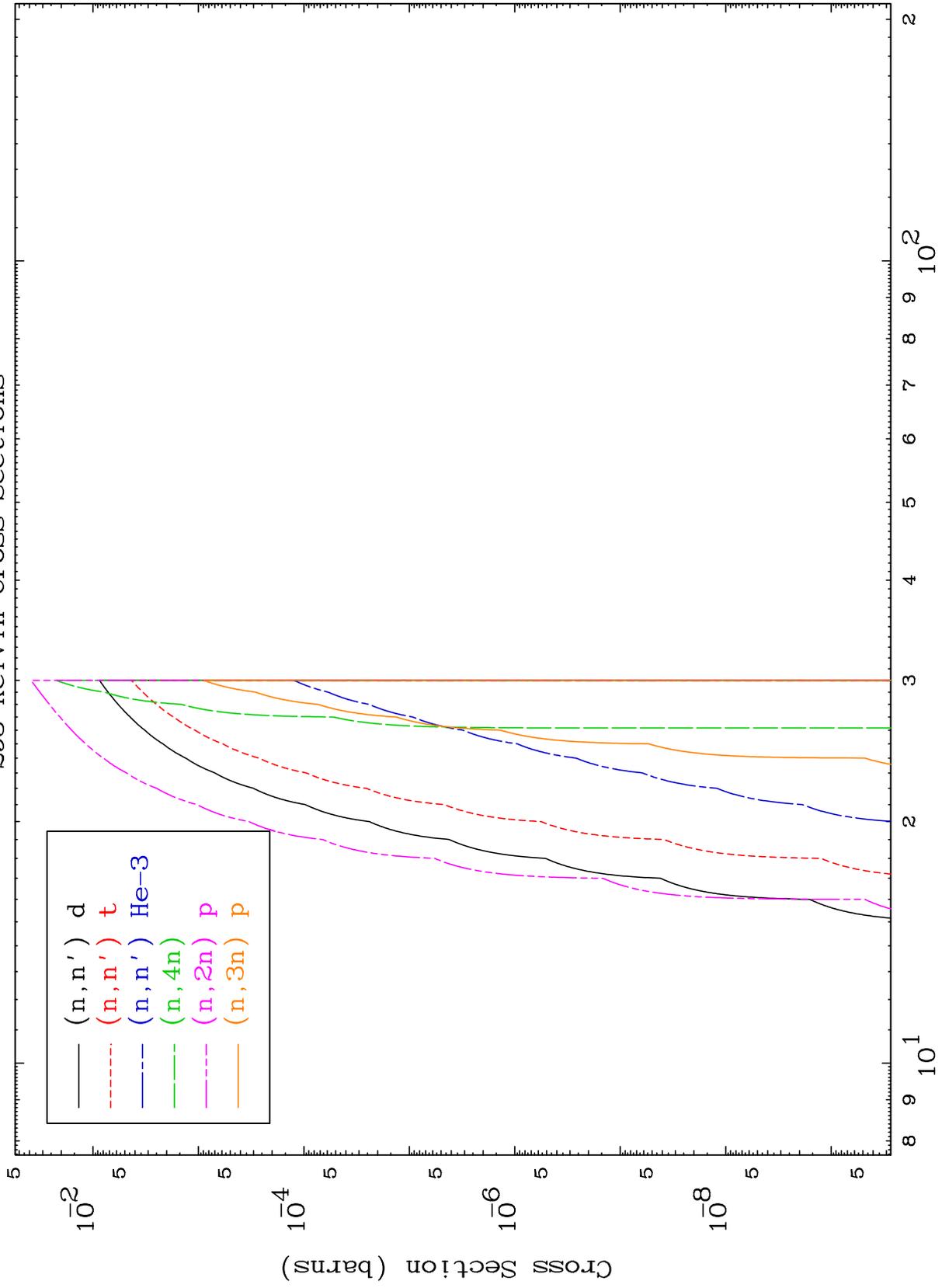
84-Po-204



MAT 8419

Neutron Production
293 Kelvin Cross Sections

84-Po-204



3

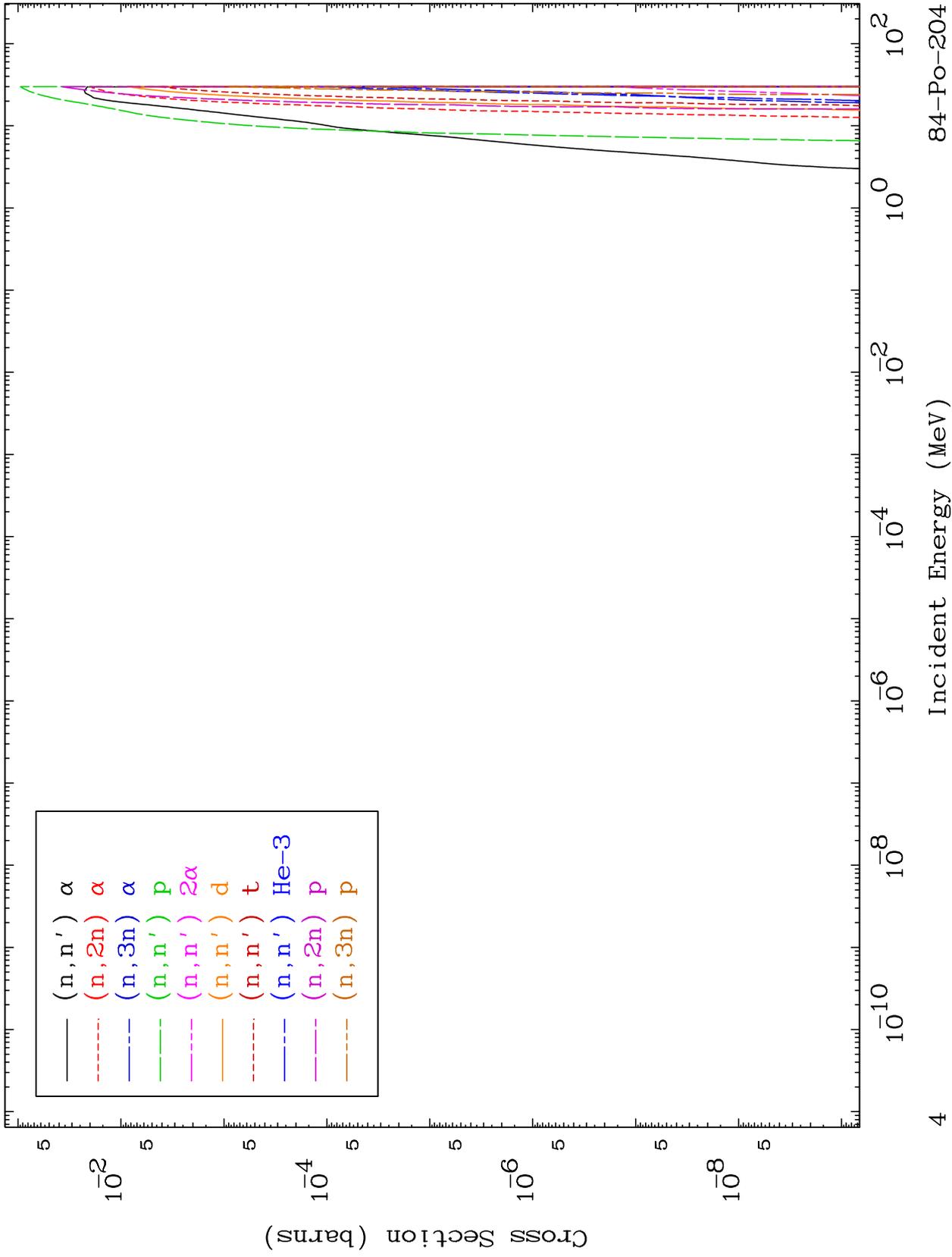
Incident Energy (MeV)

84-Po-204

MAT 8419

Charged Particle
293 Kelvin Cross Sections

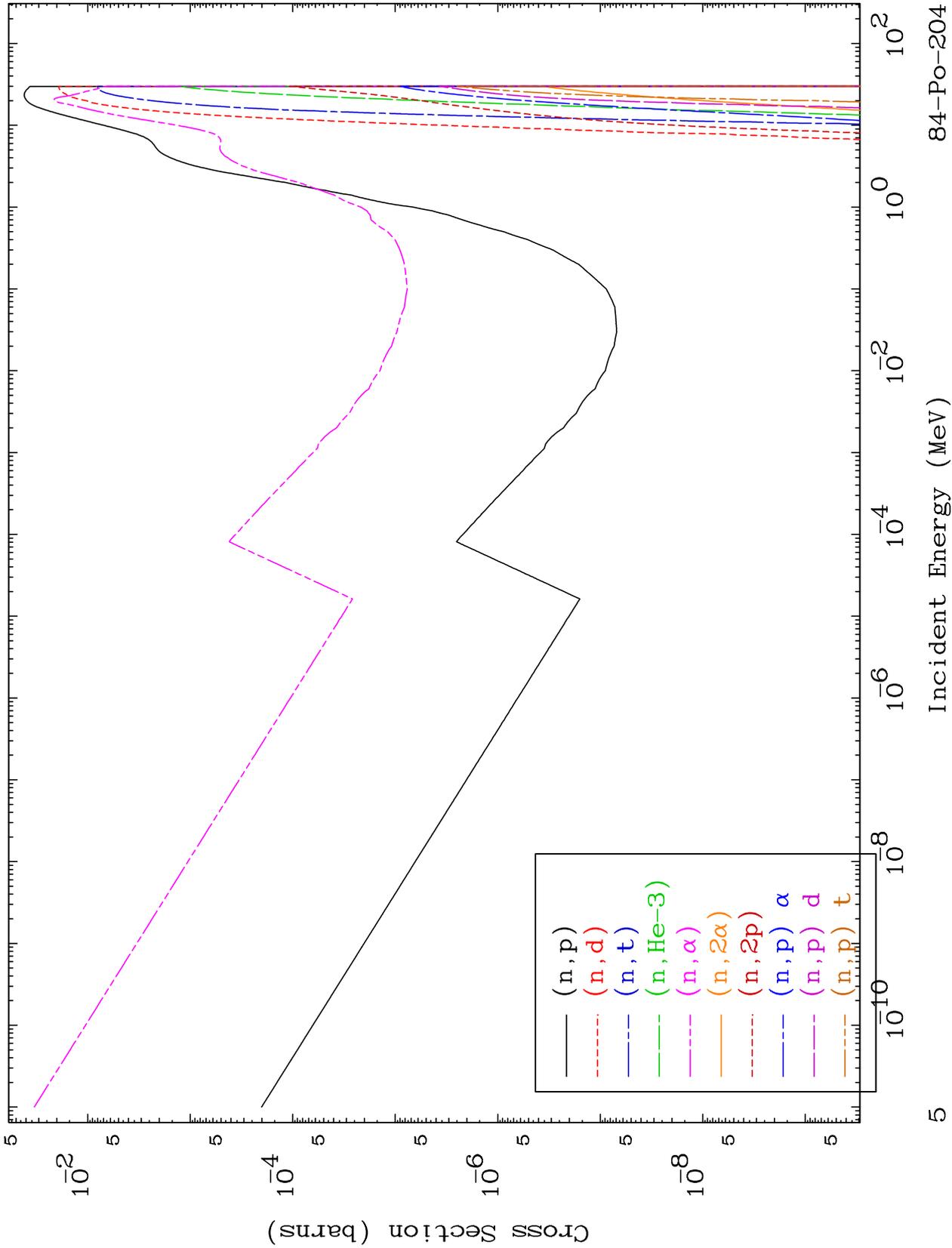
84-Po-204



MAT 8419

Charged Particle
293 Kelvin Cross Sections

84-Po-204

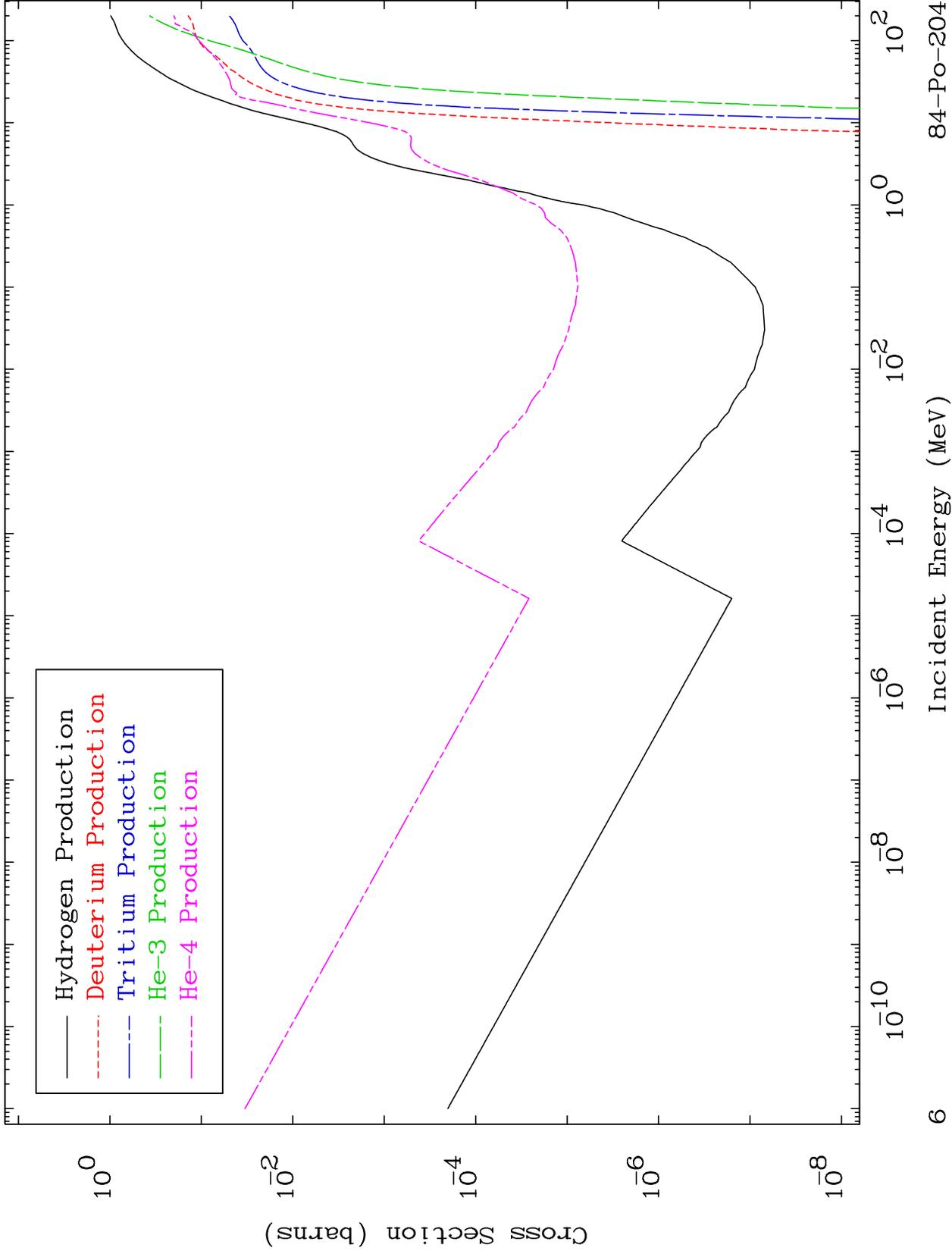


5

MAT 8419

Particle Production
293 Kelvin Cross Sections

84-Po-204

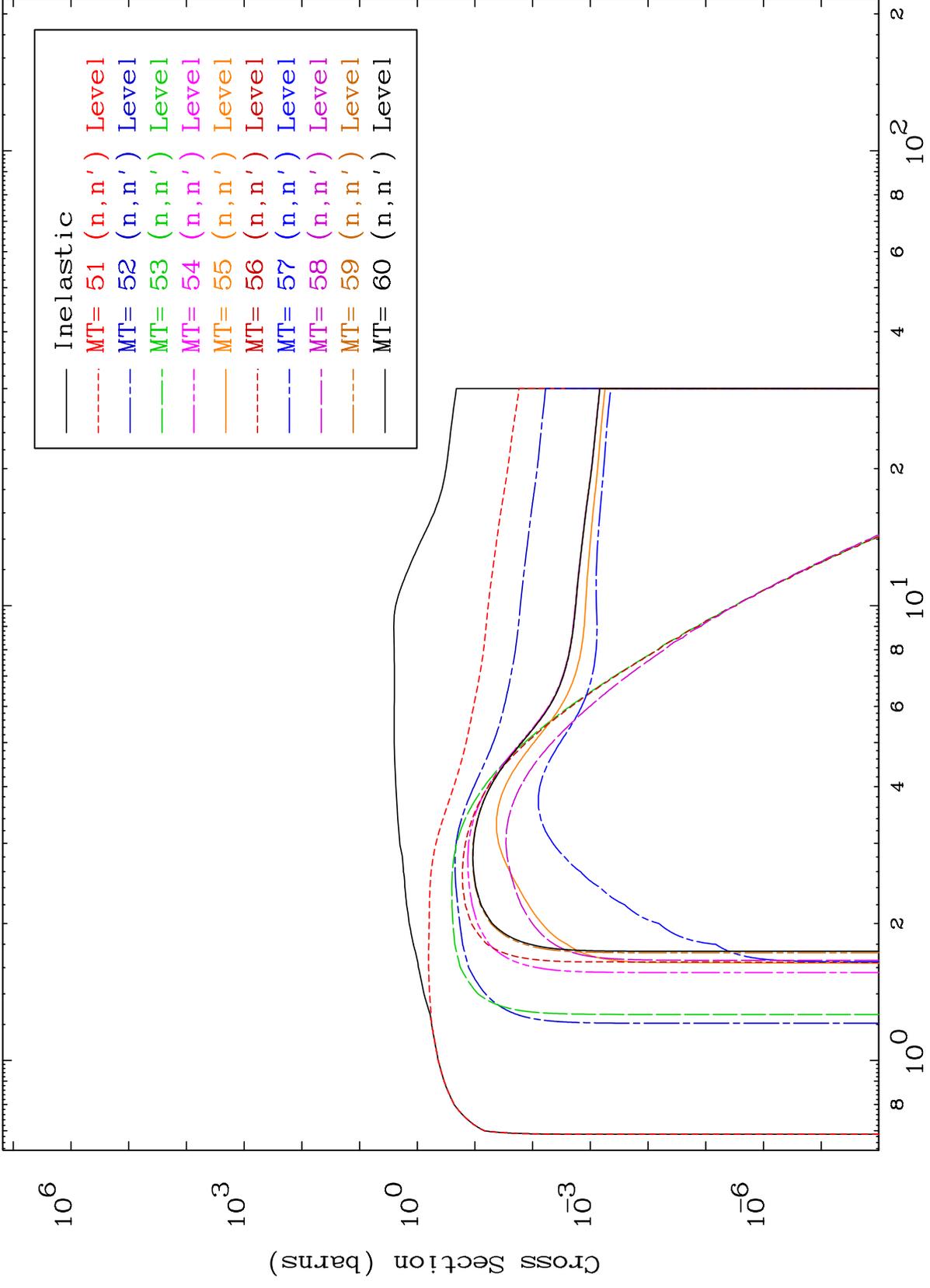


MAT 8419

(n,n') Level

84-Po-204

293 Kelvin Cross Sections



7

Incident Energy (MeV)

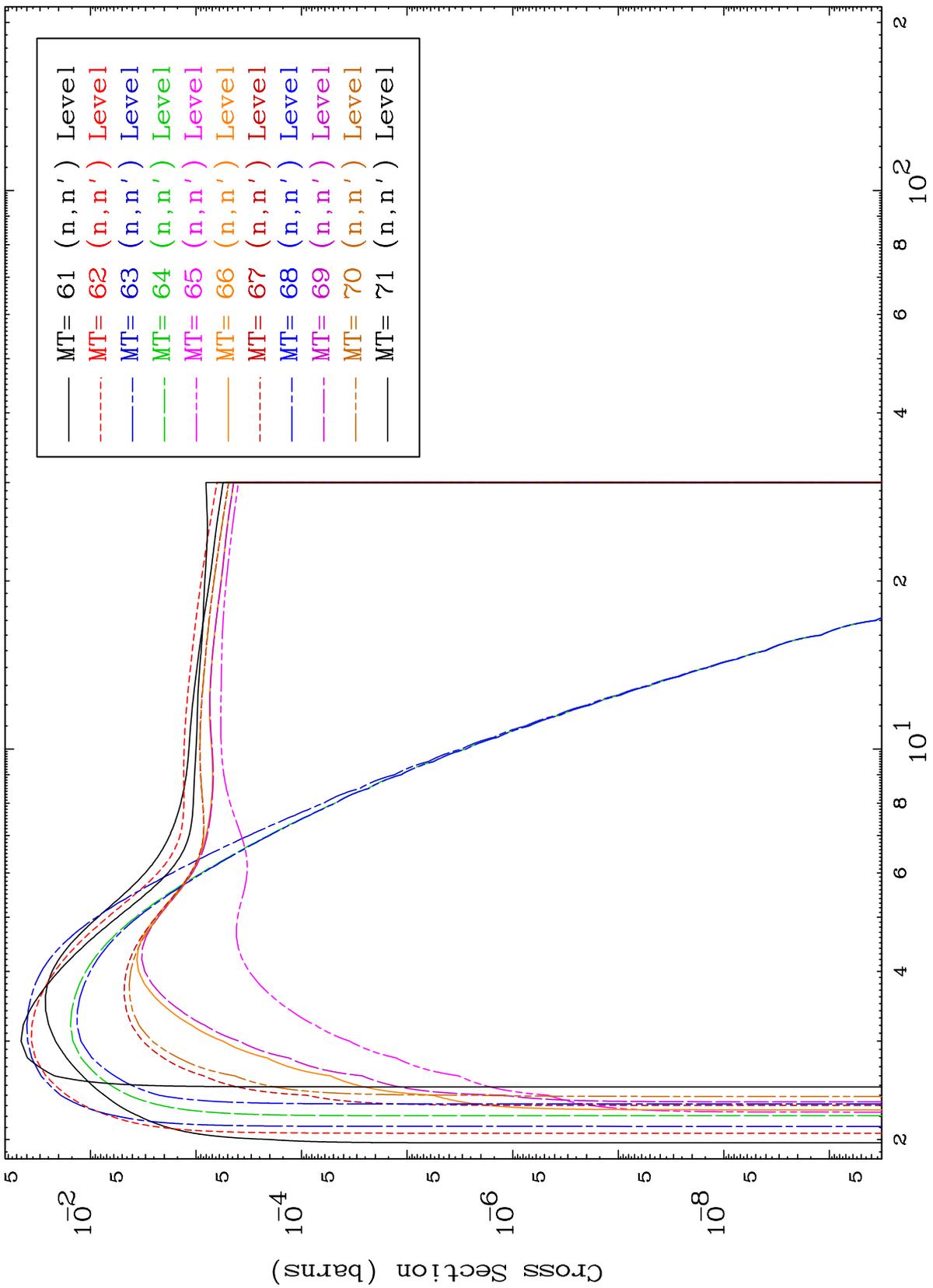
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MAT 8419

(n,n') Level

84-Po-204

293 Kelvin Cross Sections



8

Incident Energy (MeV)

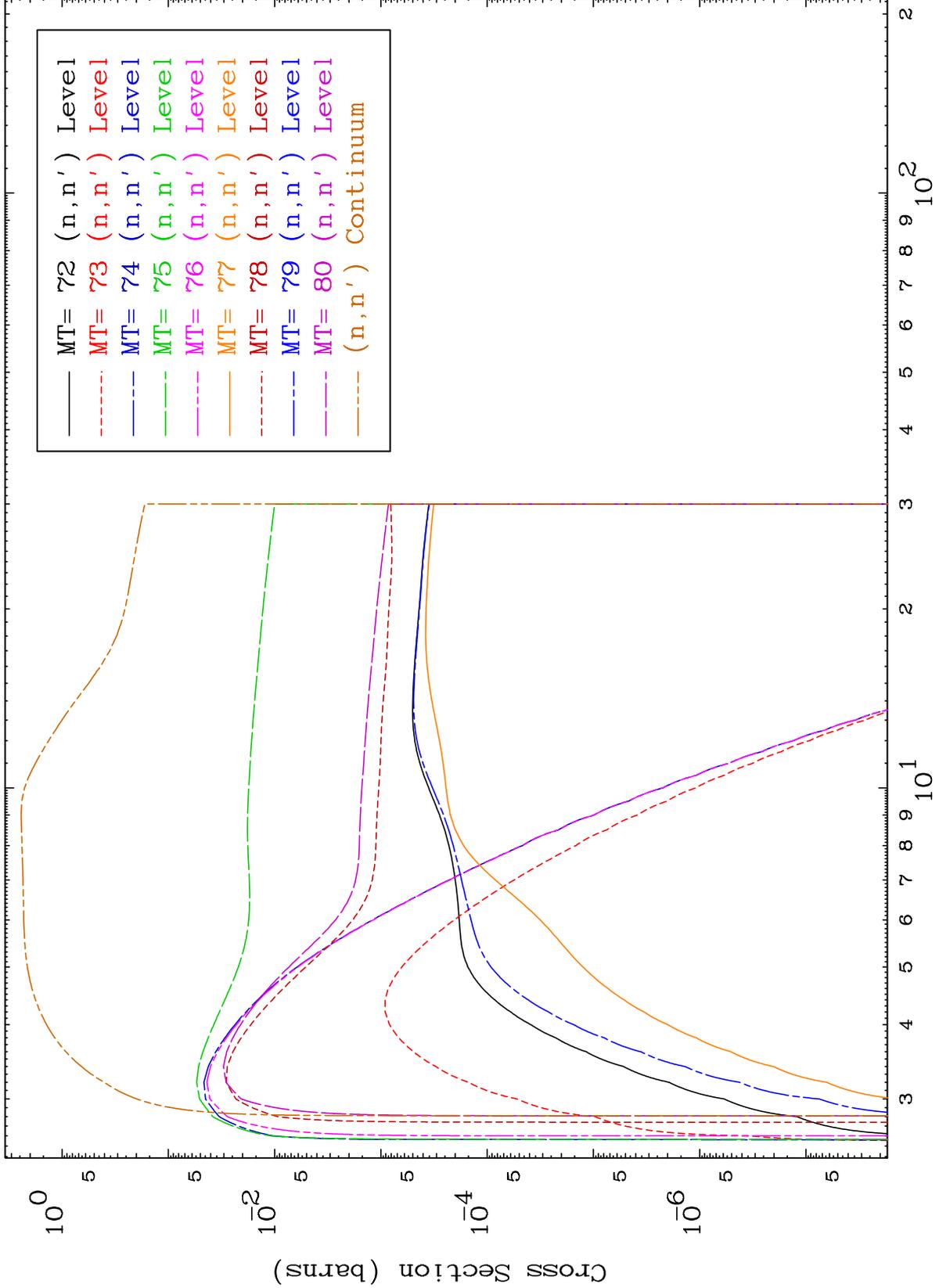
84-Po-204

MAT 8419

(n,n') Level

84-Po-204

293 Kelvin Cross Sections



9

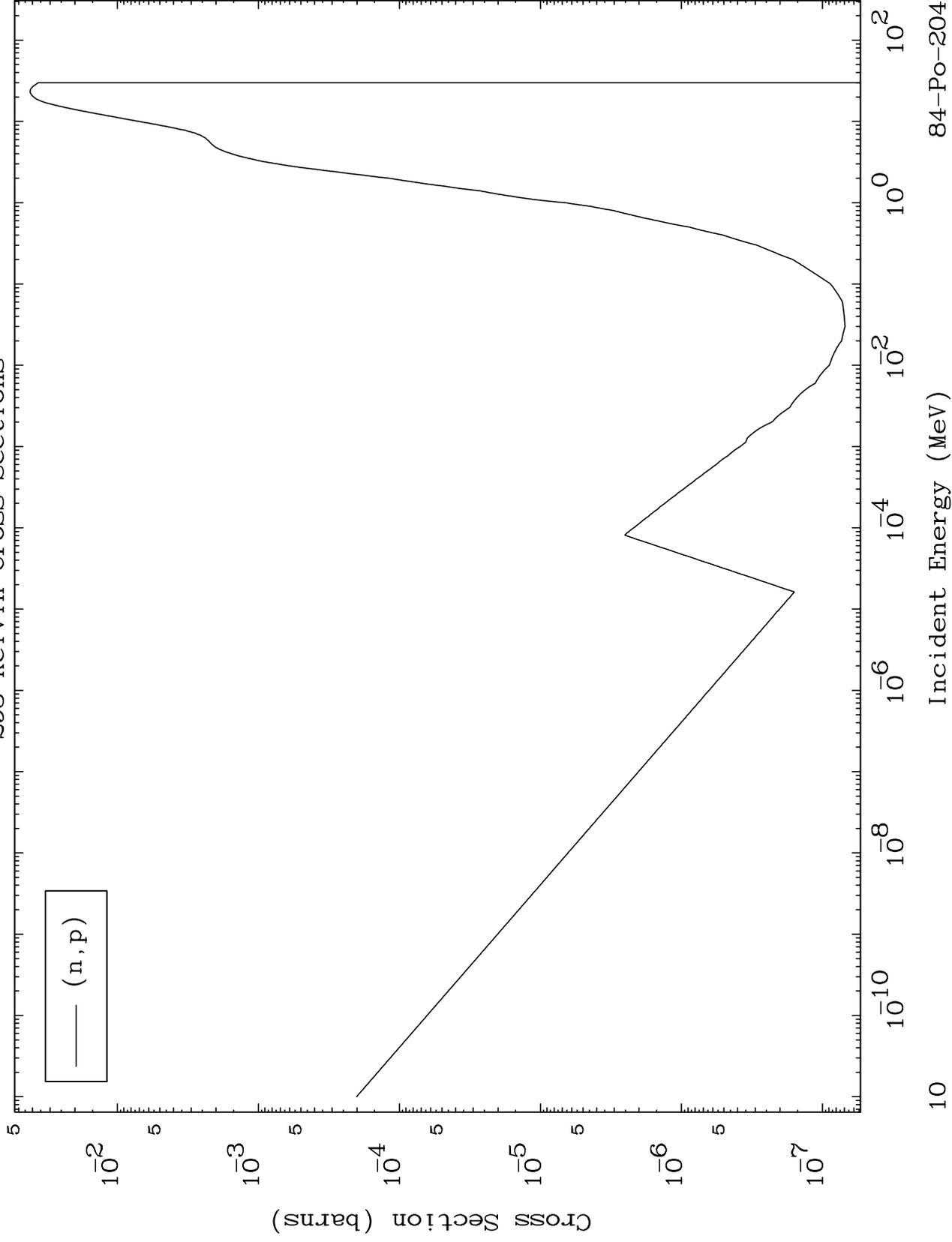
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,p) Levels
293 Kelvin Cross Sections

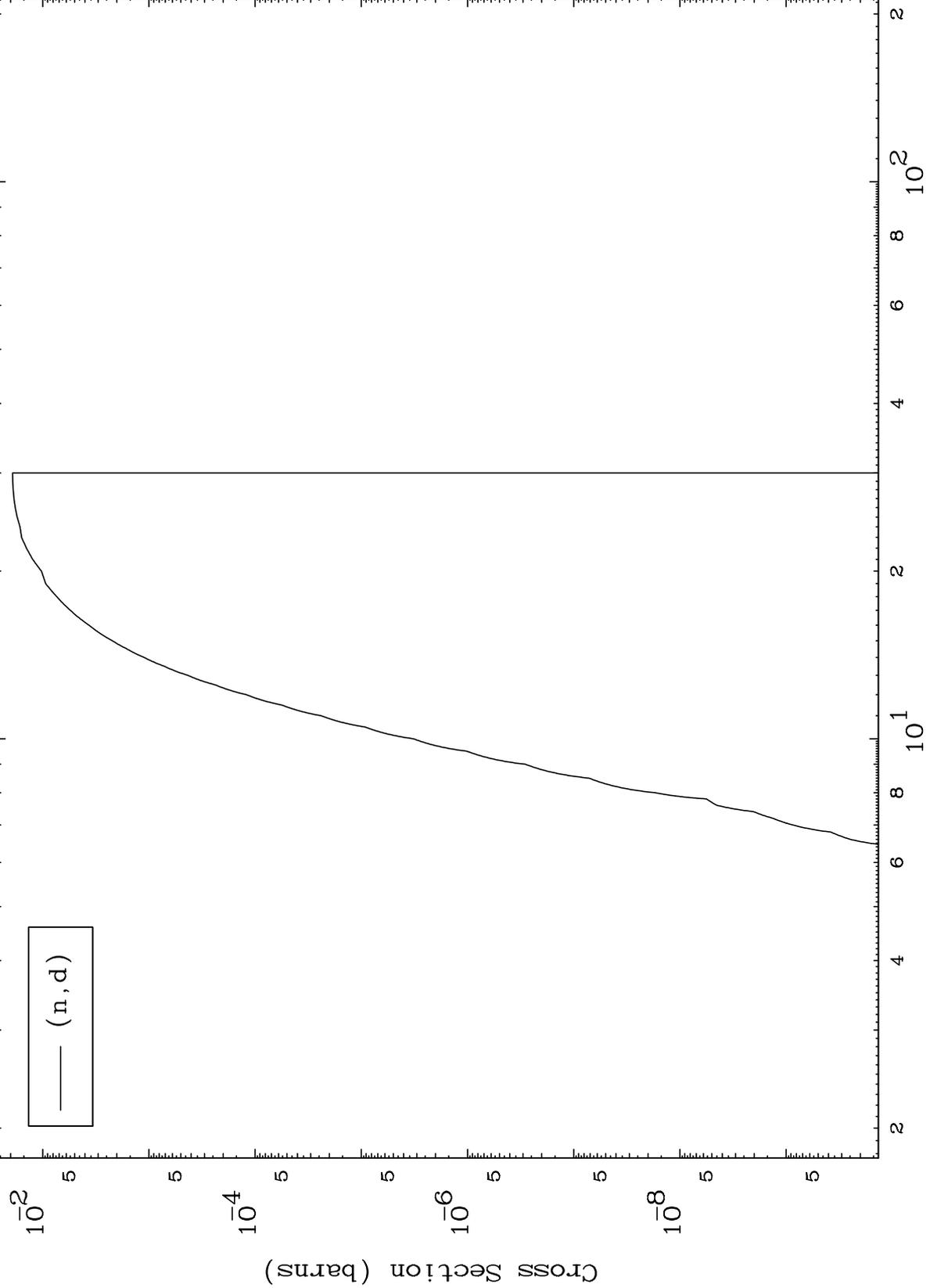
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(n,d) Levels
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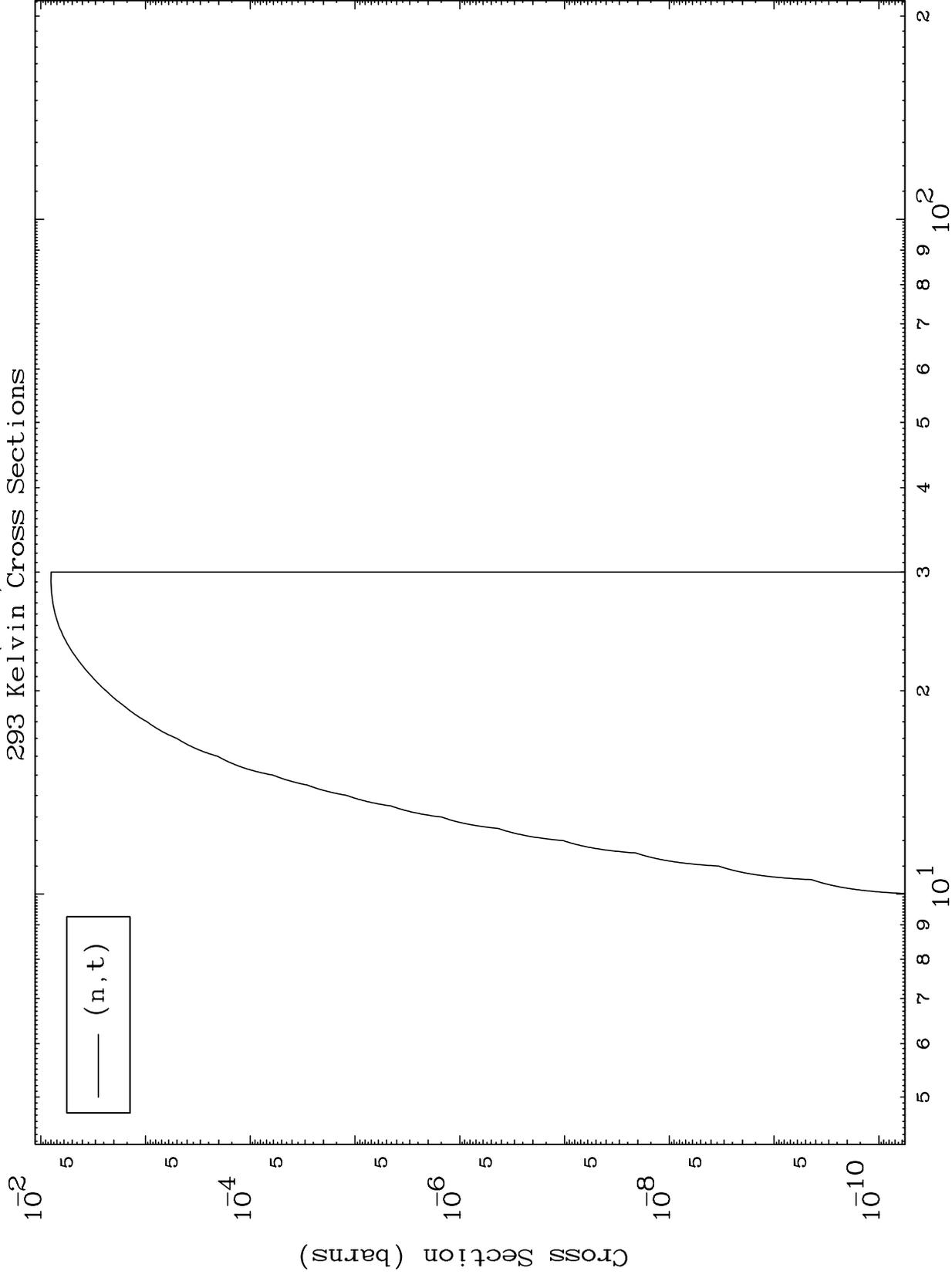
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MAT 8419

(n,t) Levels
293 Kelvin Cross Sections

84-Po-204



12

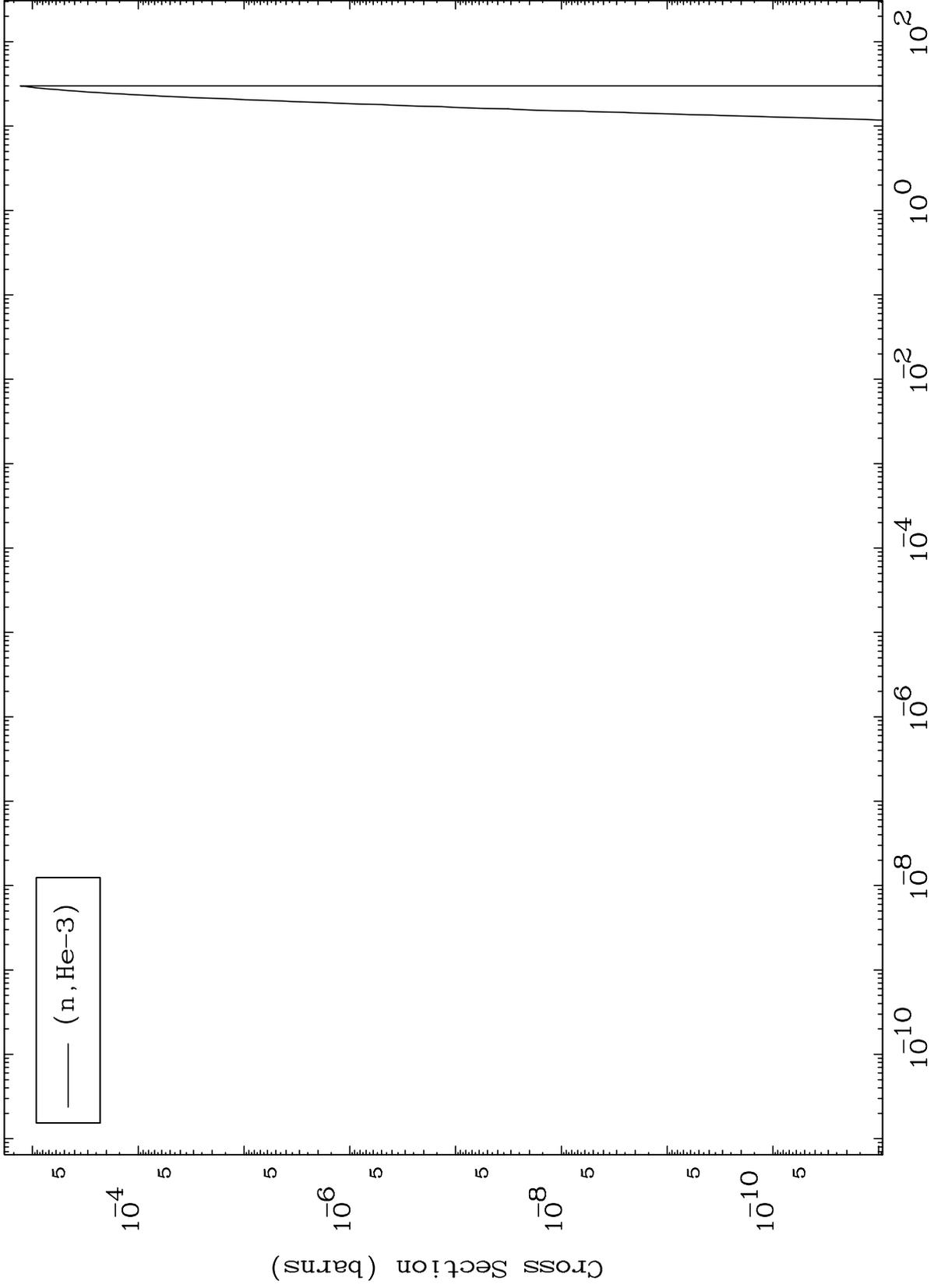
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,He3) Levels
293 Kelvin Cross Sections

84-Po-204



13

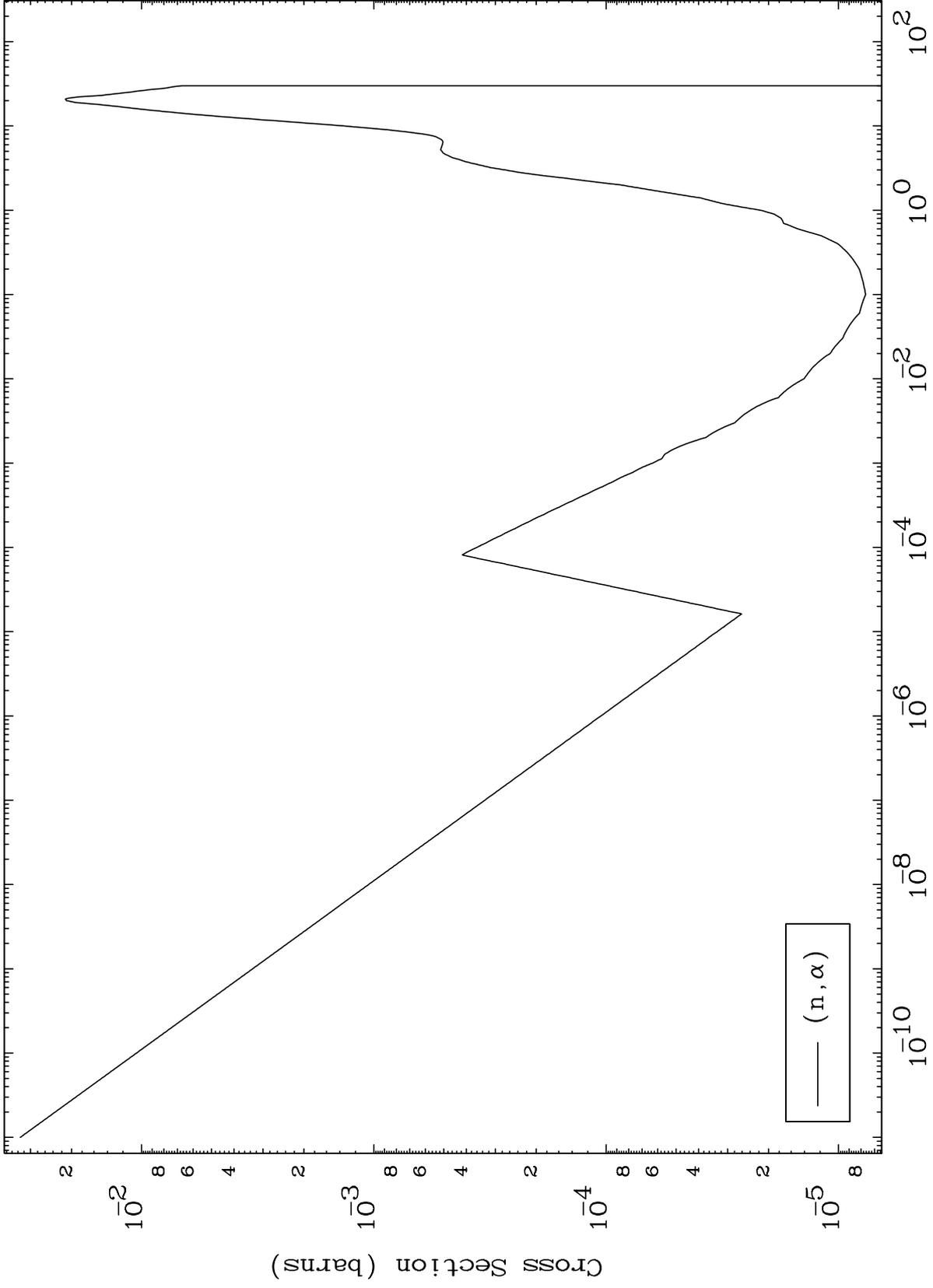
Incident Energy (MeV)

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(n, α) Levels
293 Kelvin Cross Sections

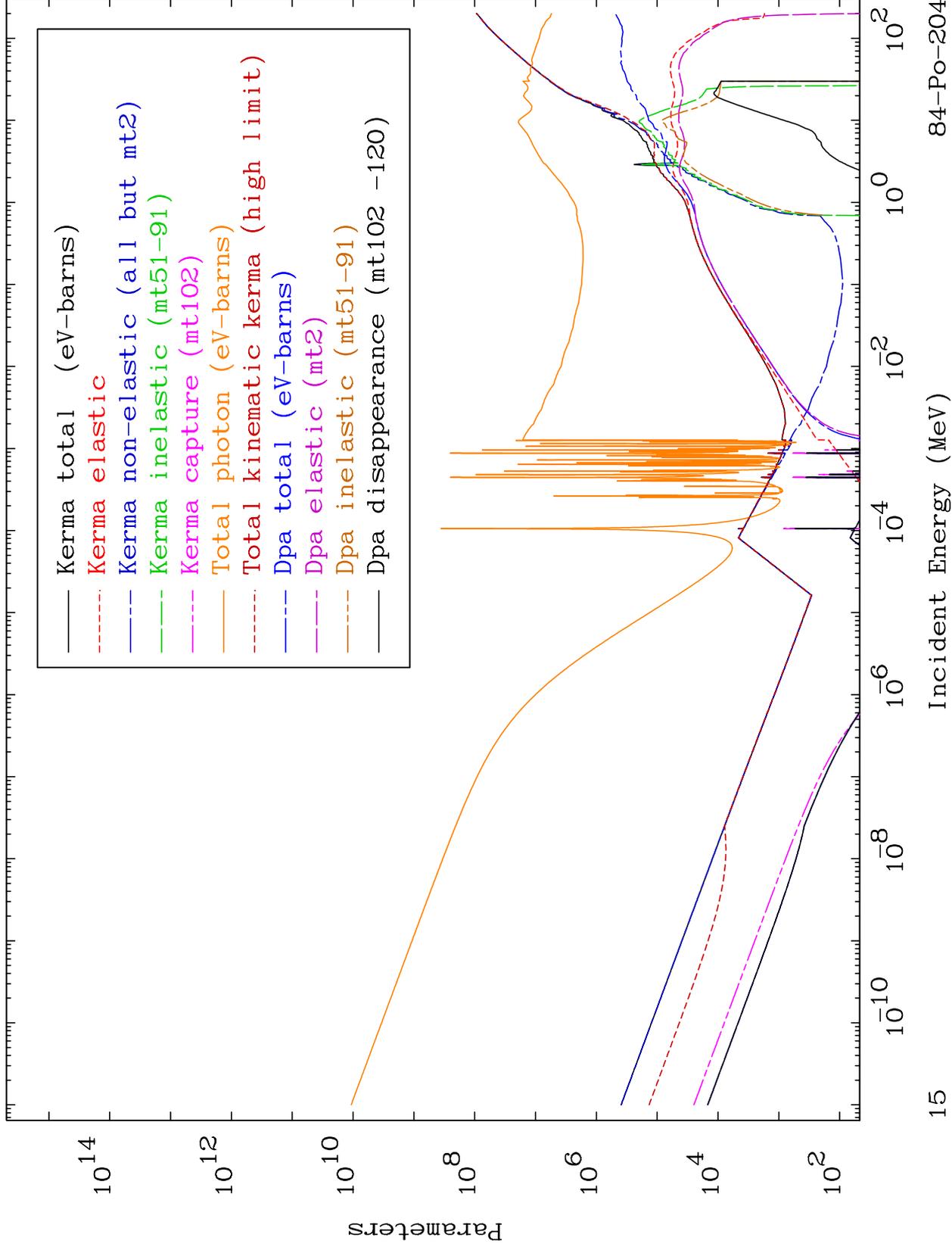
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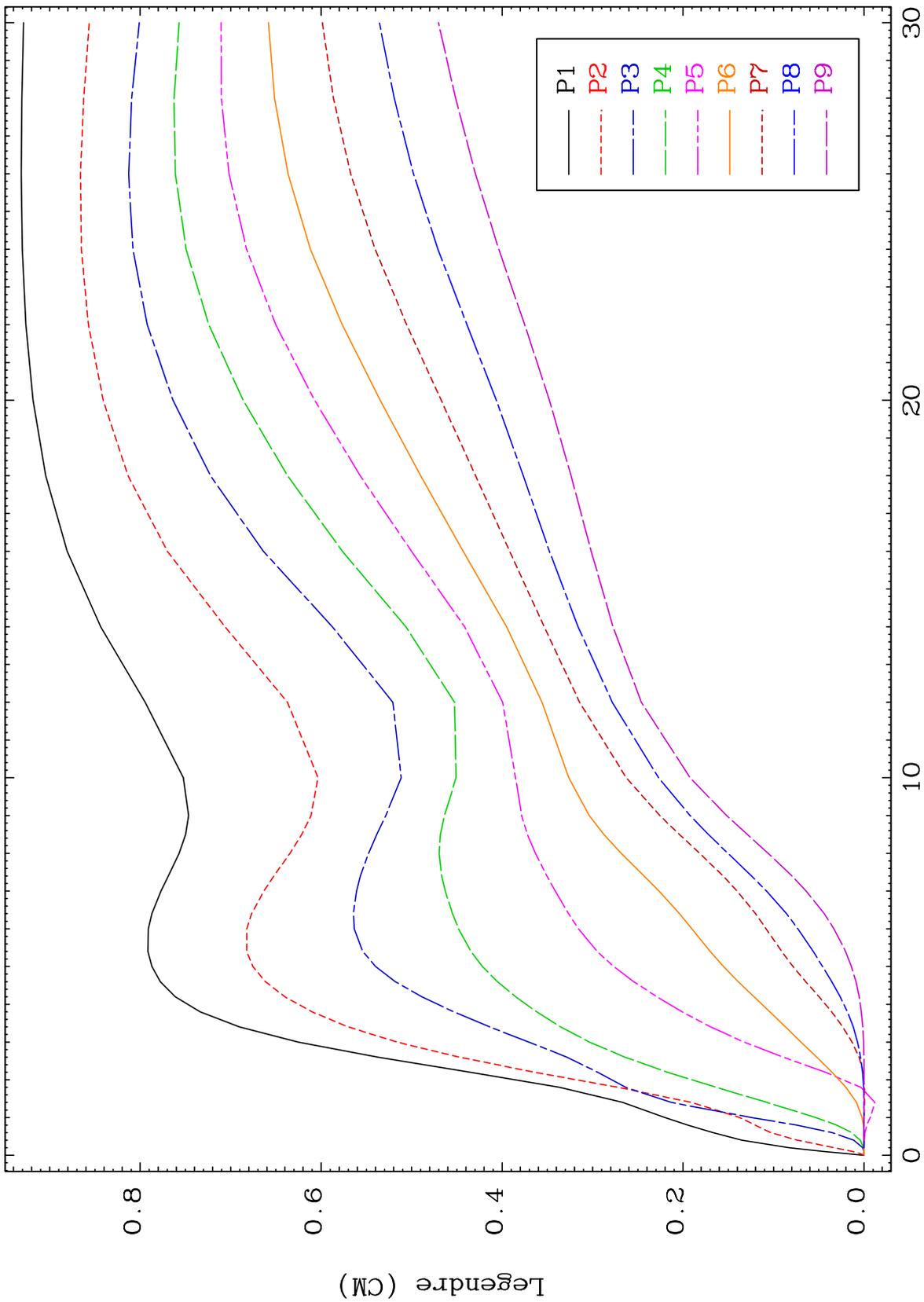
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MAT 8419

84-Po-204

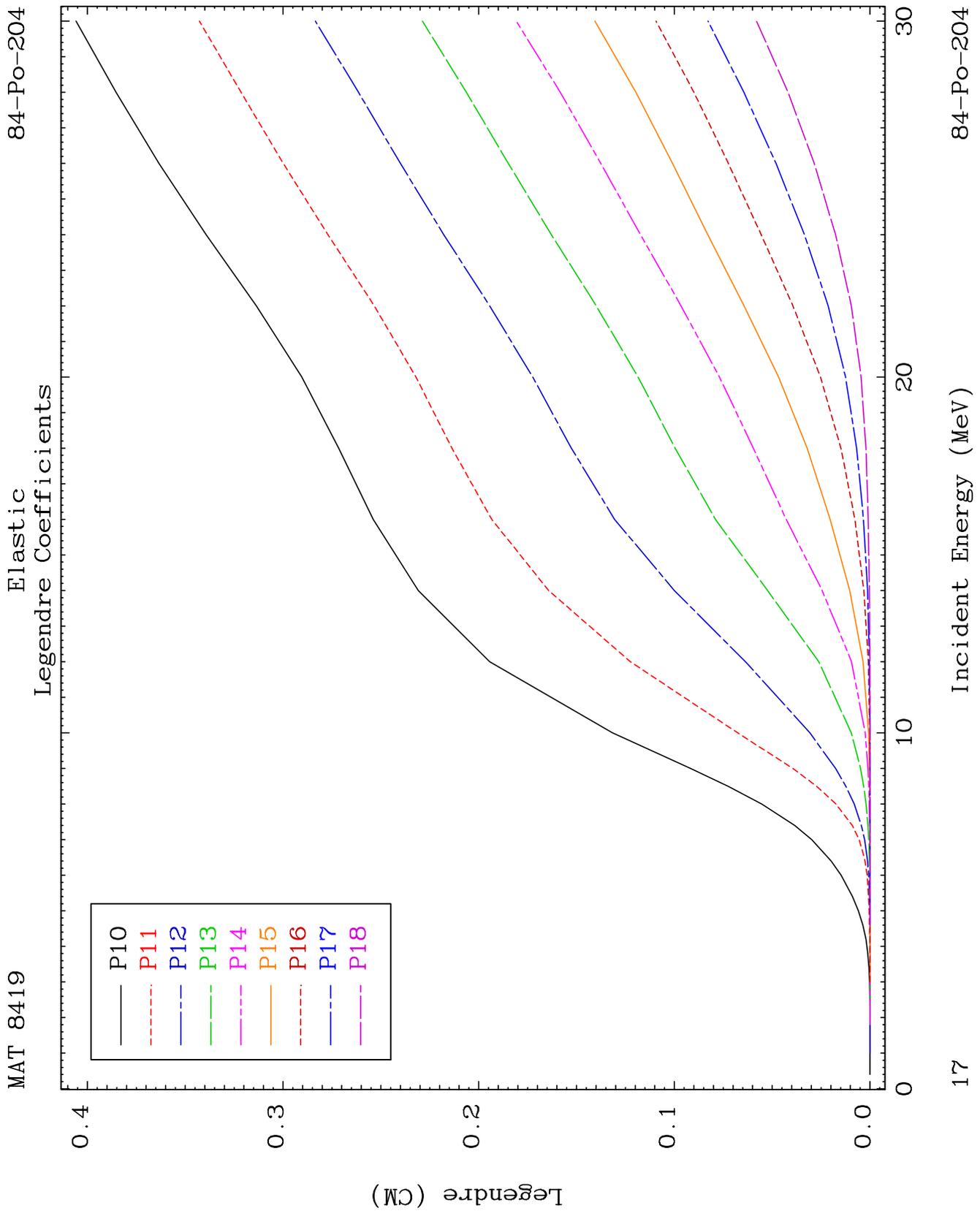
Elastic Legendre Coefficients



84-Po-204

Incident Energy (MeV)

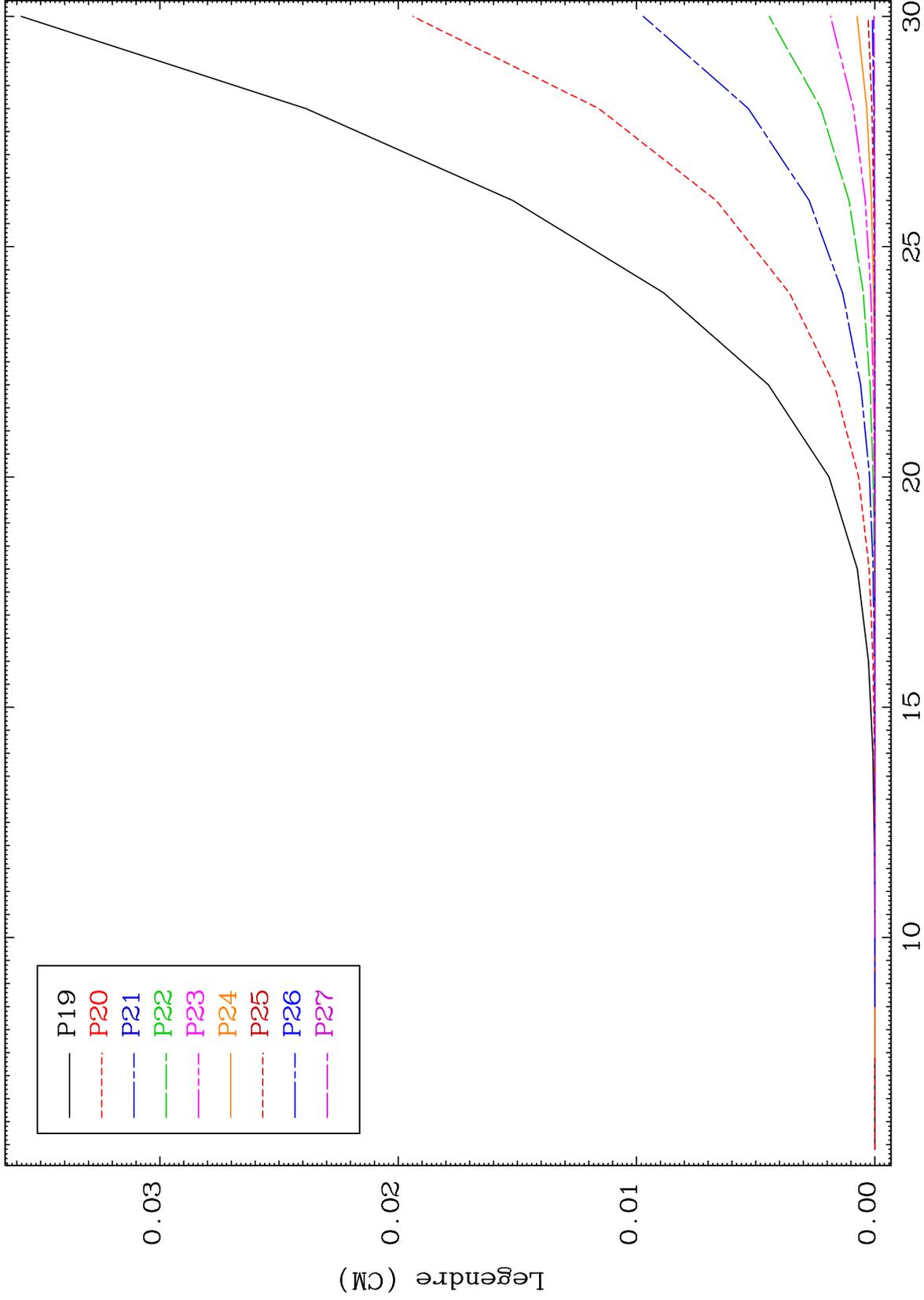
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MAT 8419

Elastic
Legendre Coefficients

84-Po-204



18

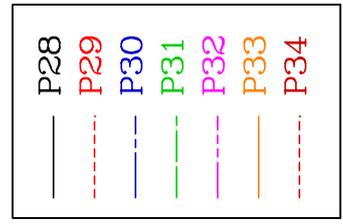
Incident Energy (MeV)

84-Po-204

MAT 8419

Elastic Legendre Coefficients

84-Po-204



$\times 10^{-5}$

Legendre (CM)

10

15

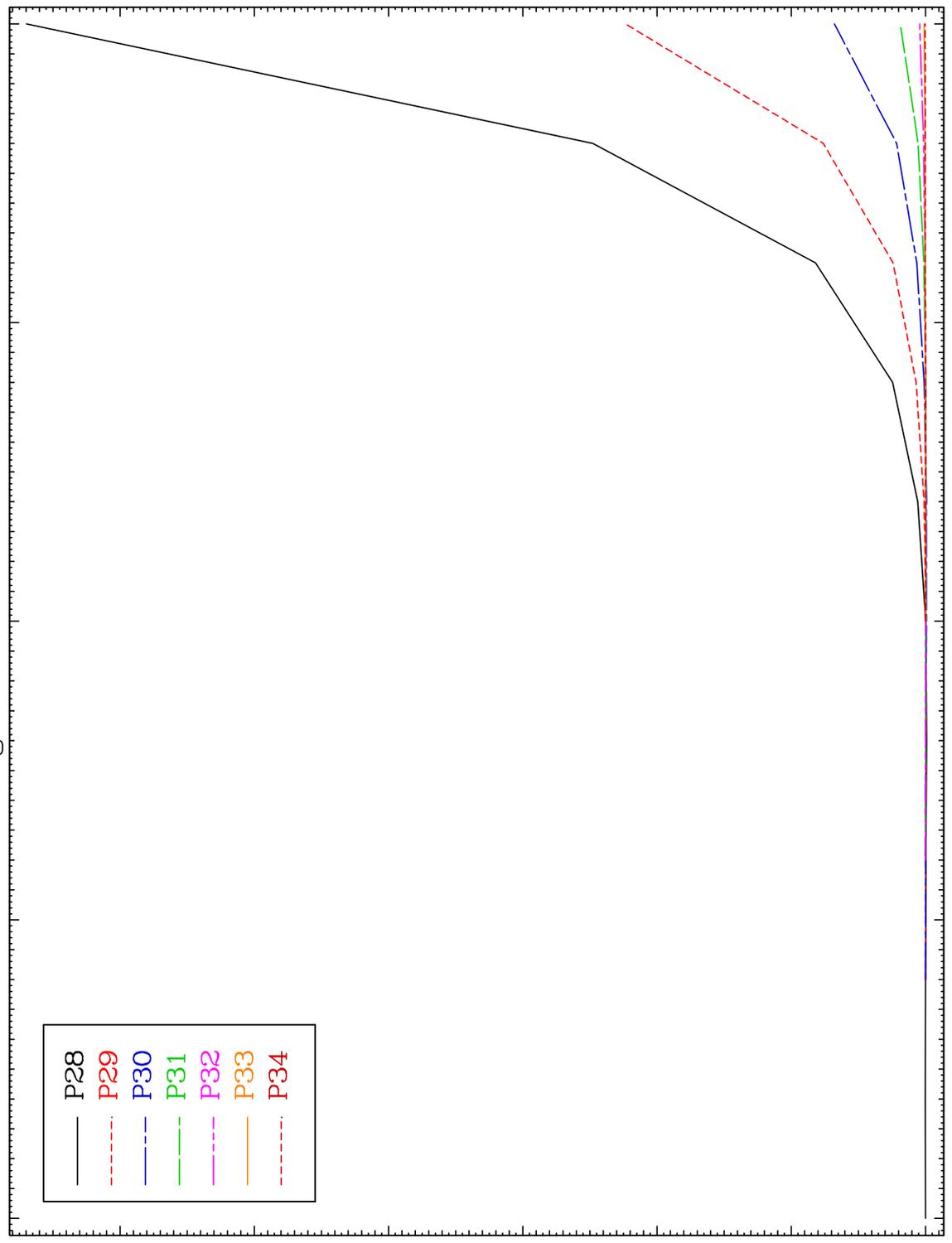
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25

30

Incident Energy (MeV)

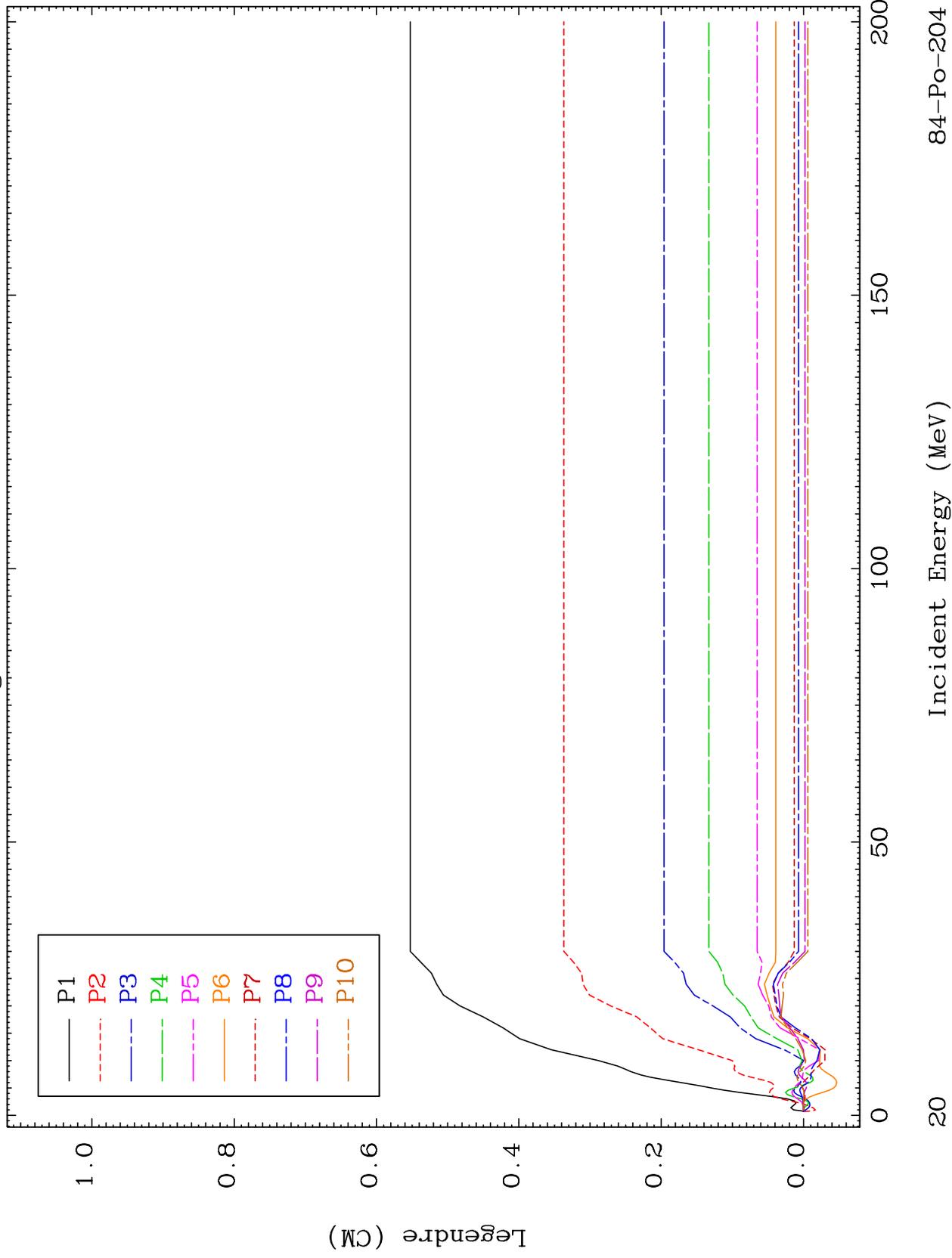
84-Po-204



MAT 8419

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

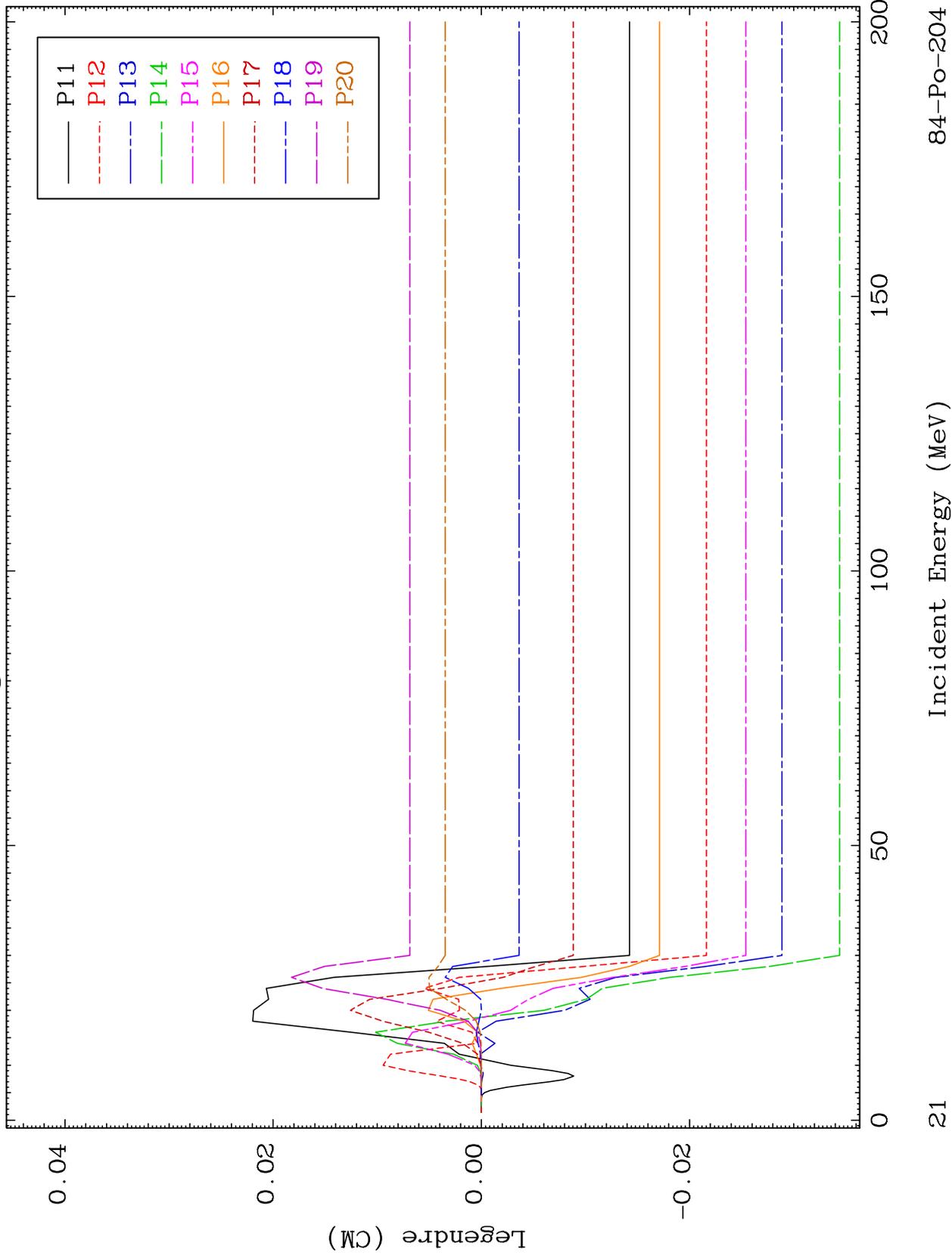
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MAT 8419

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

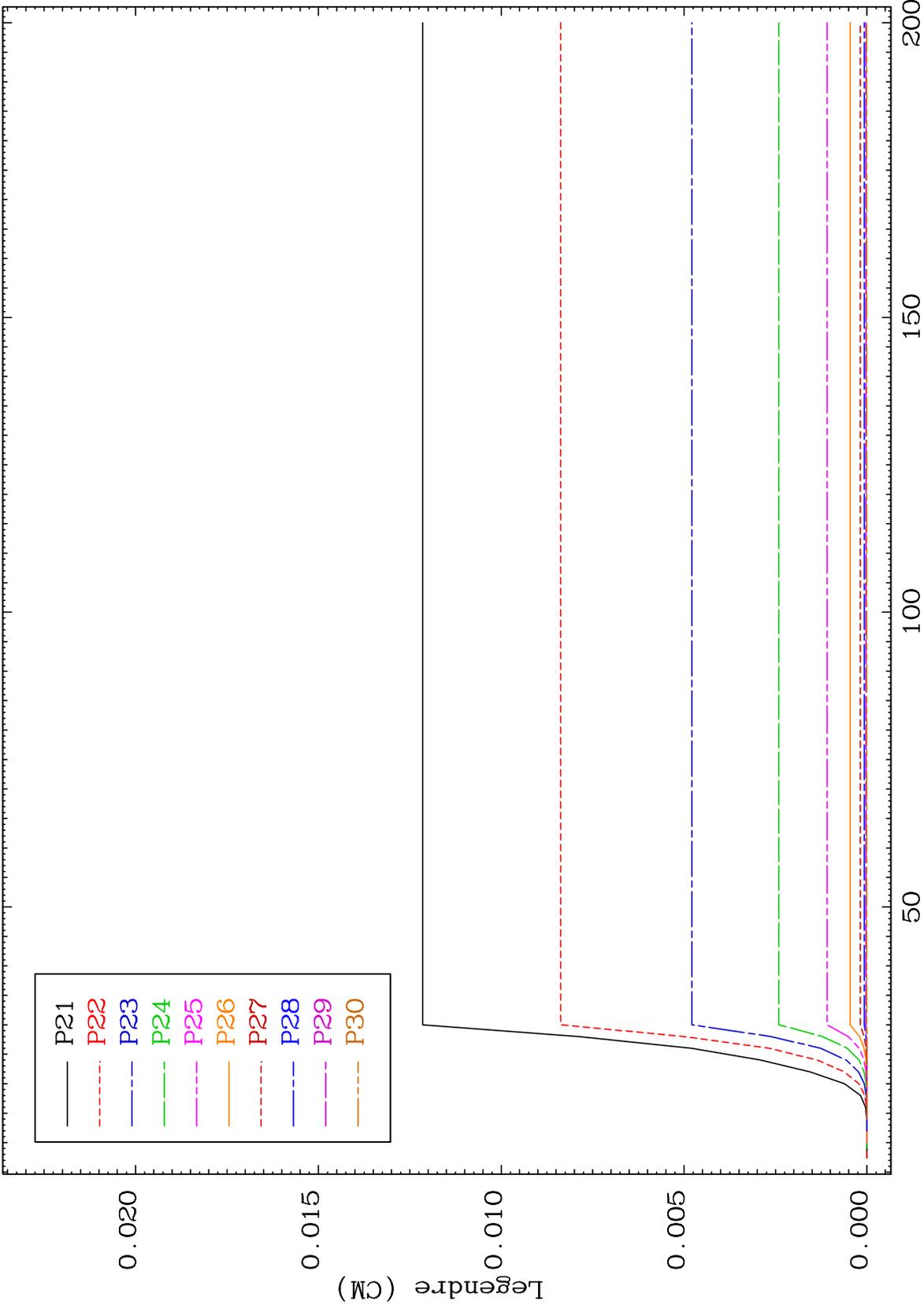
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21

Incident Energy (MeV)

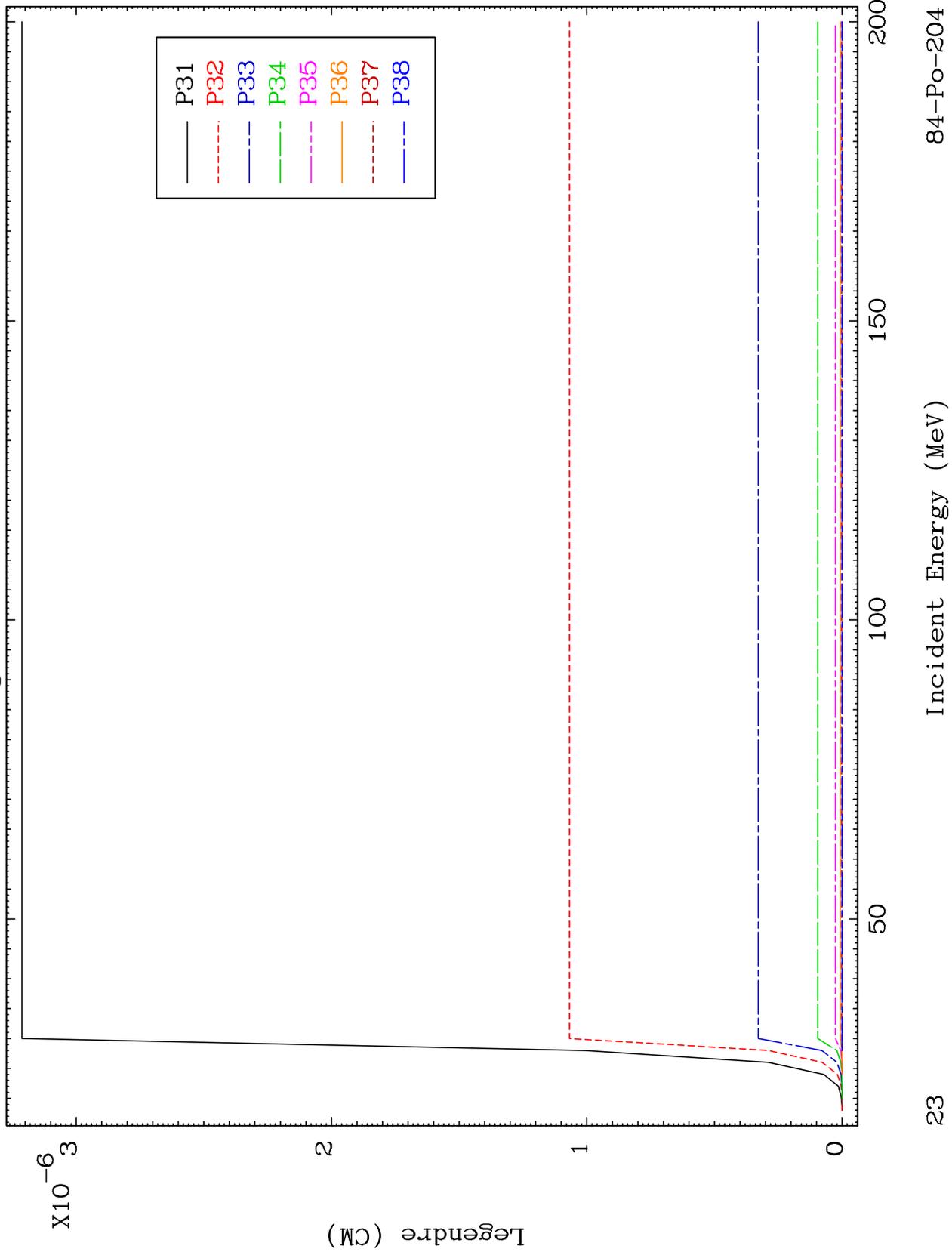
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MAT 8419

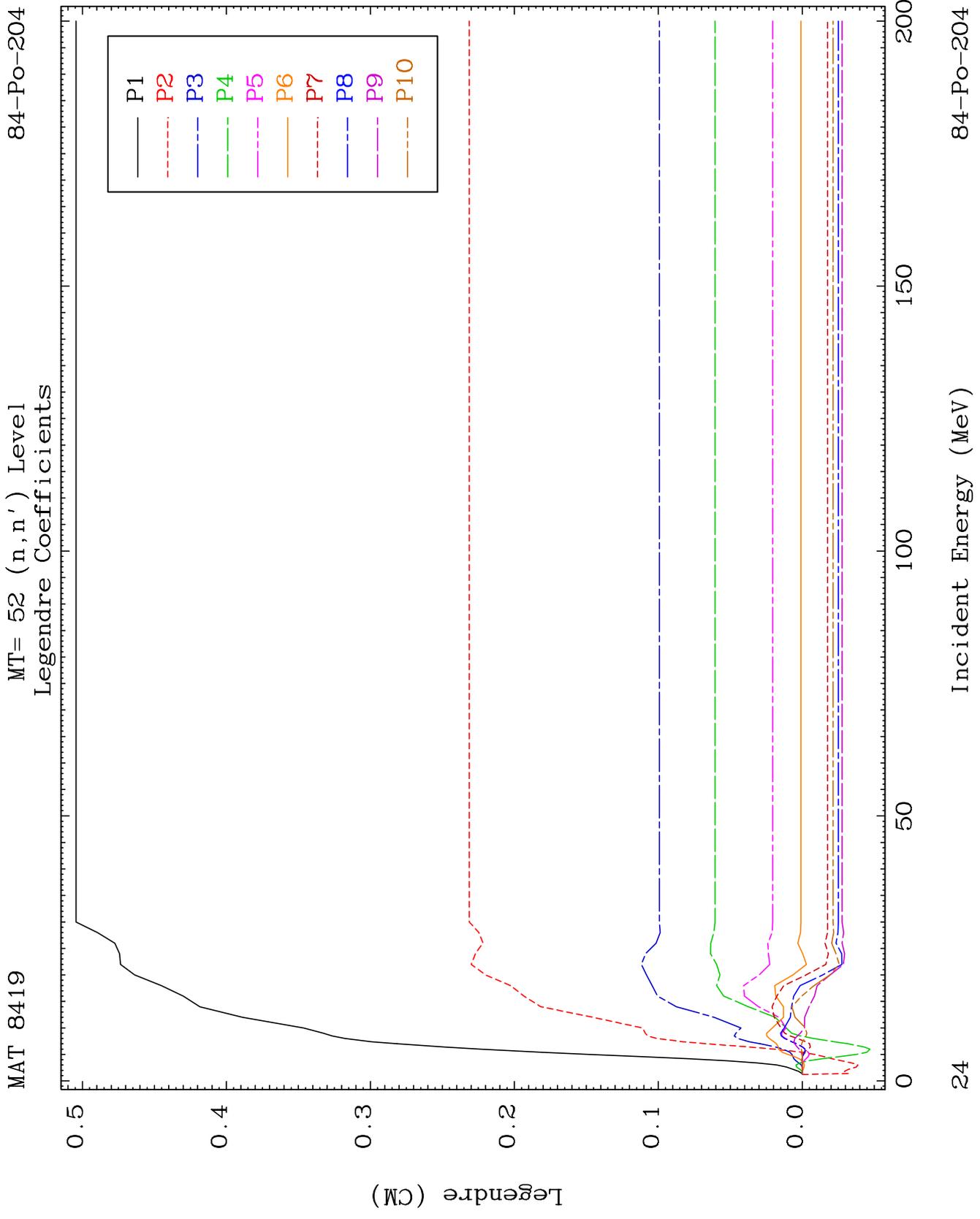
MT= 51 (n,n') Level
Legendre Coefficients

84-Po-204



23

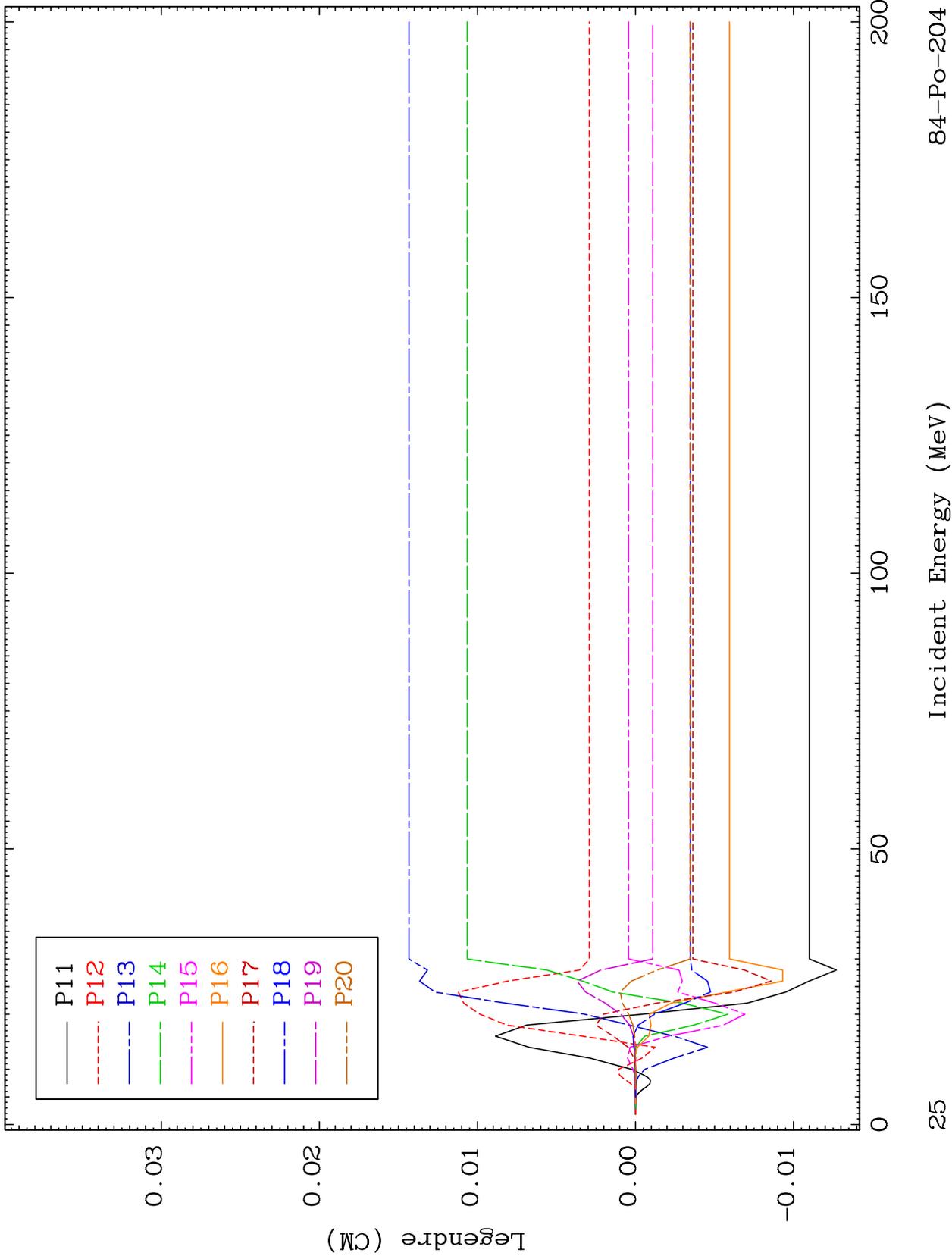
84-Po-204



MAT 8419

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

84-Po-204



84-Po-204

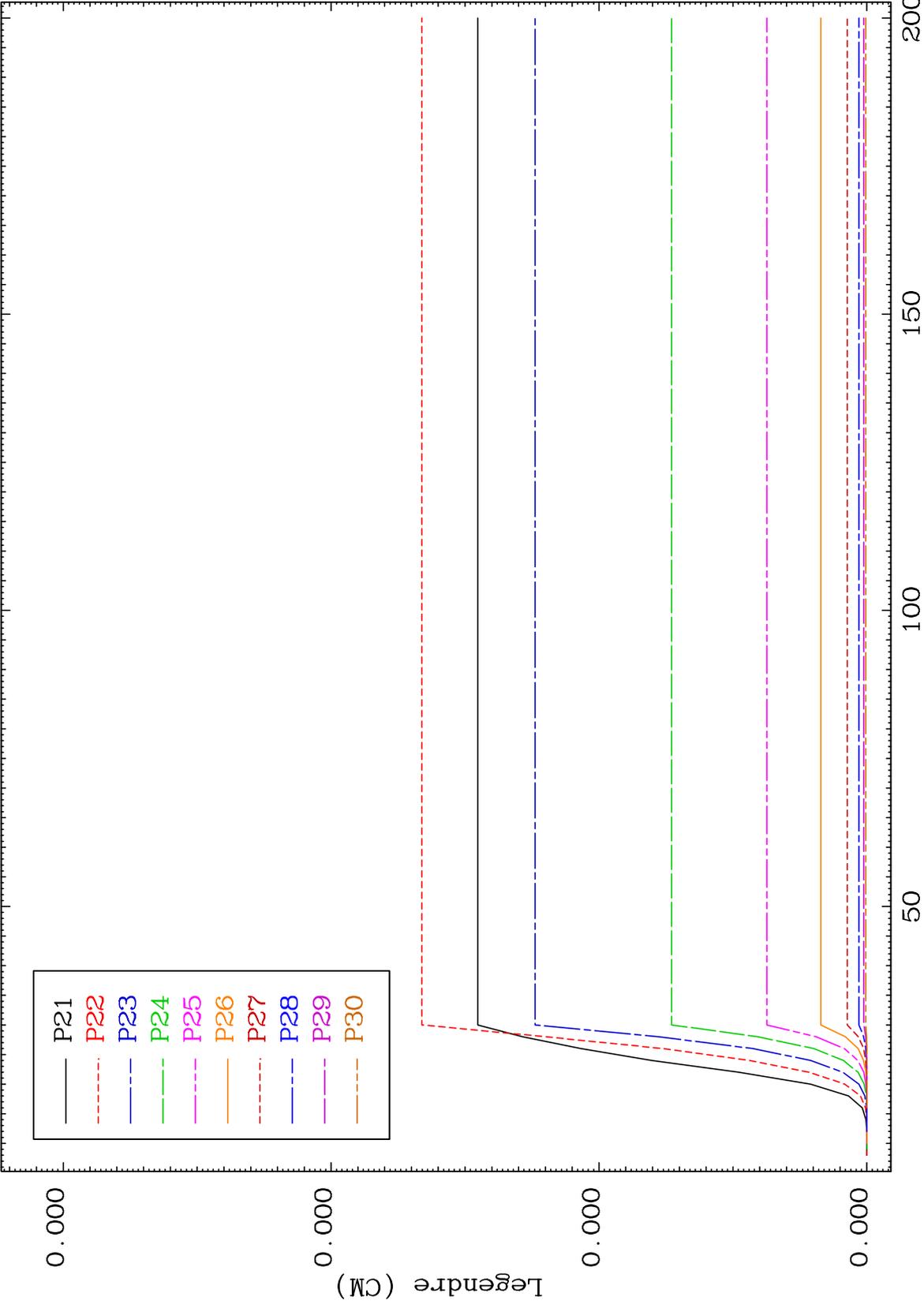
Incident Energy (MeV)

25

MAT 8419

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

84-Po-204



26

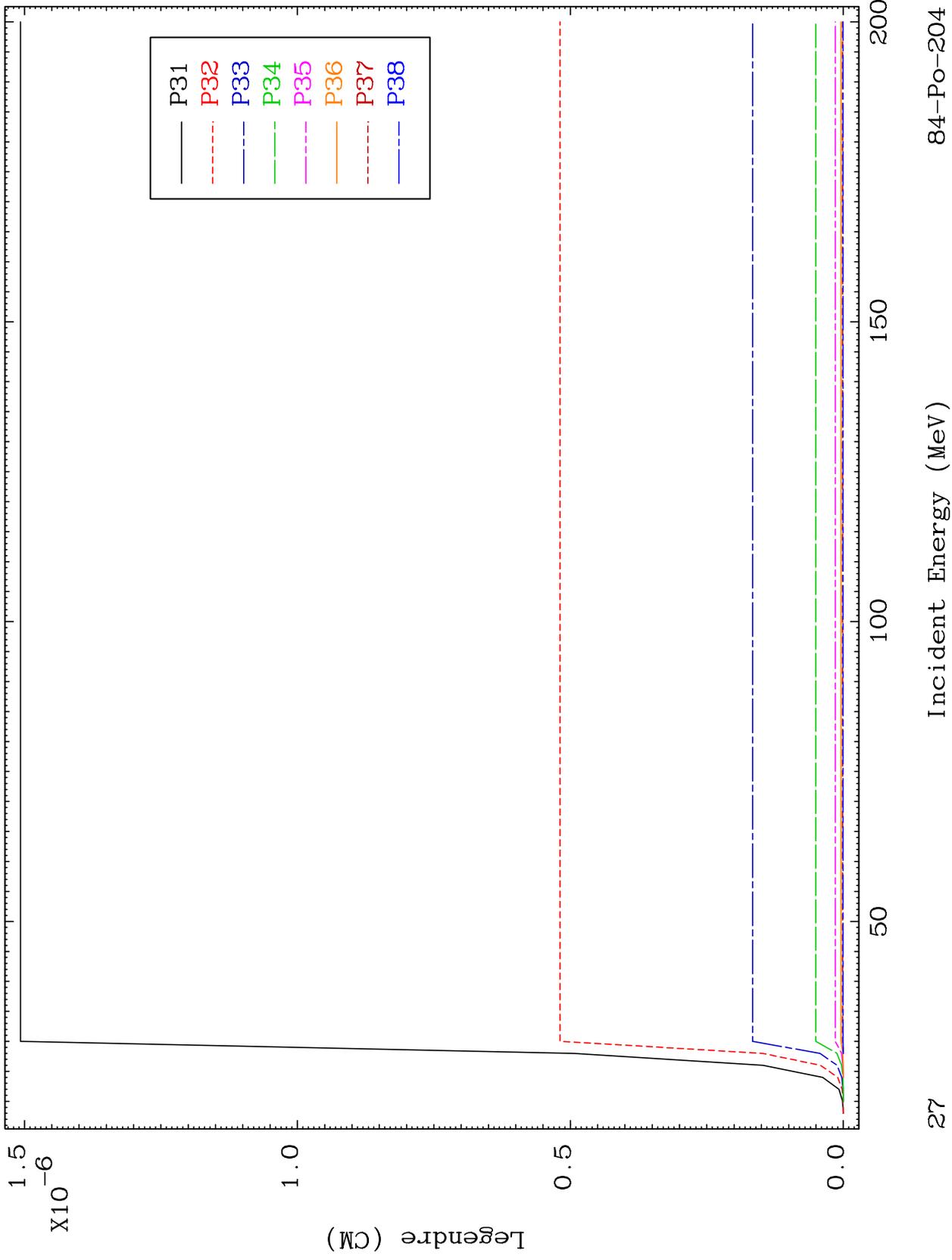
Incident Energy (MeV)

84-Po-204

MAT 8419

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

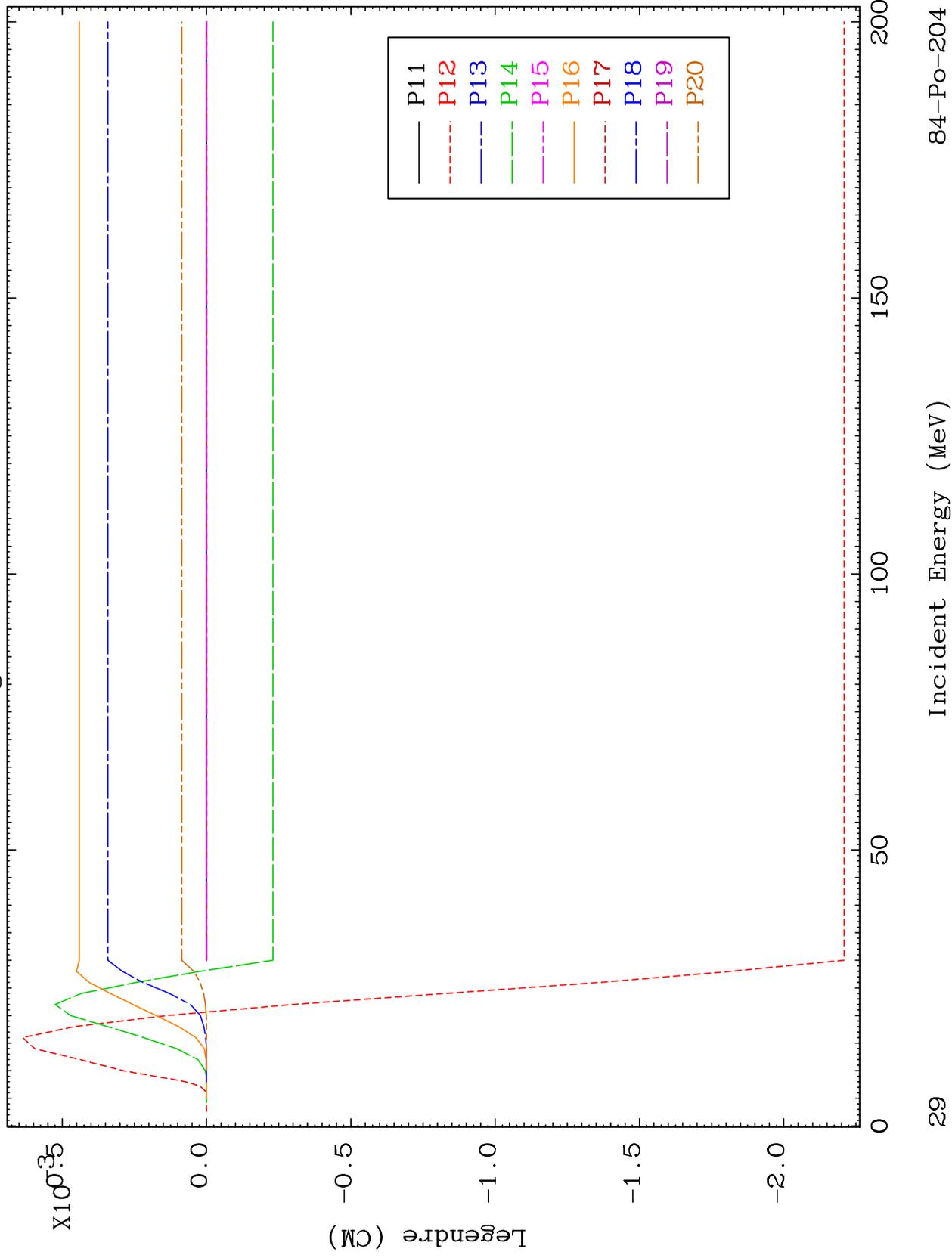
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MAT 8419

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

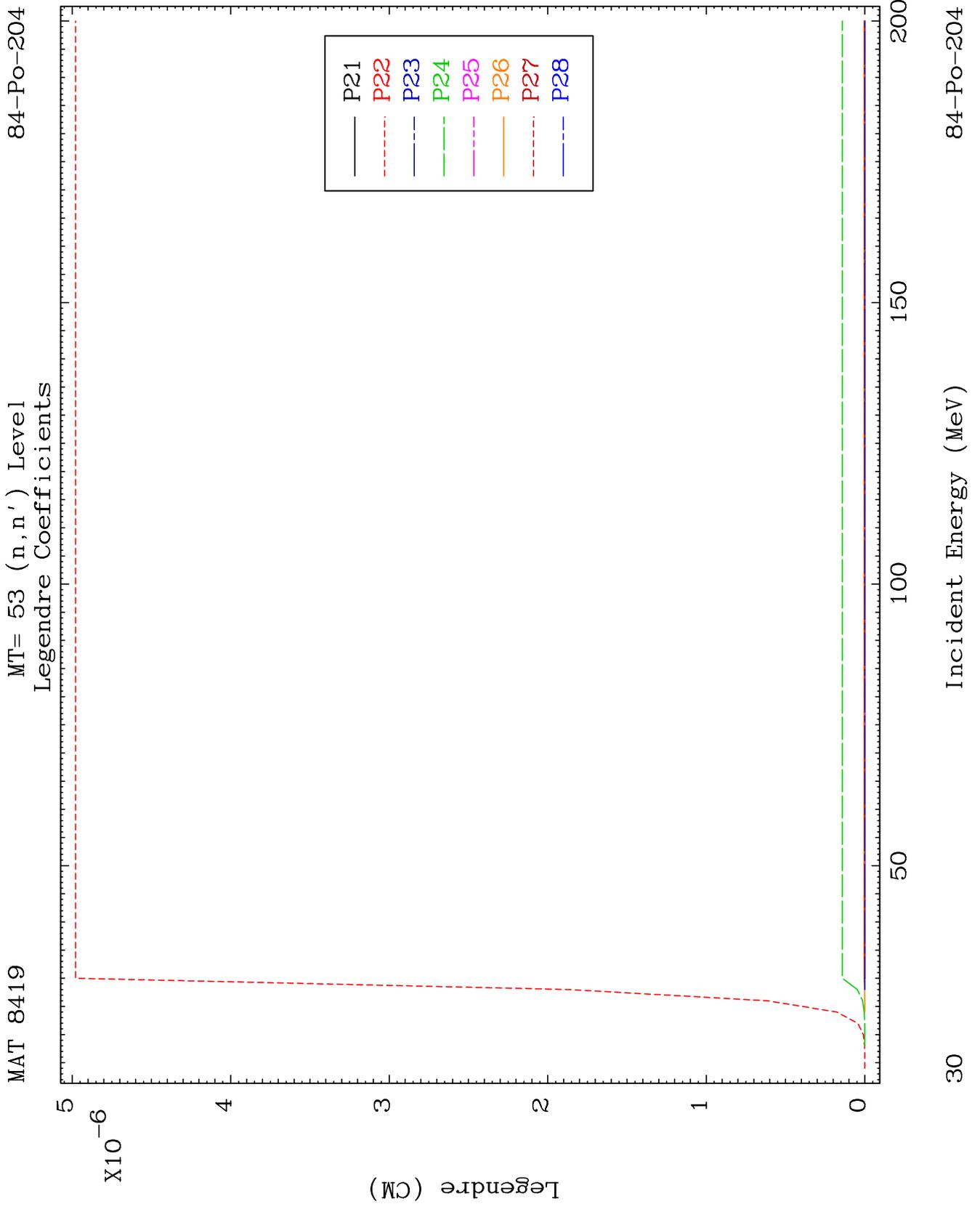
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29

Incident Energy (MeV)

84-Po-204

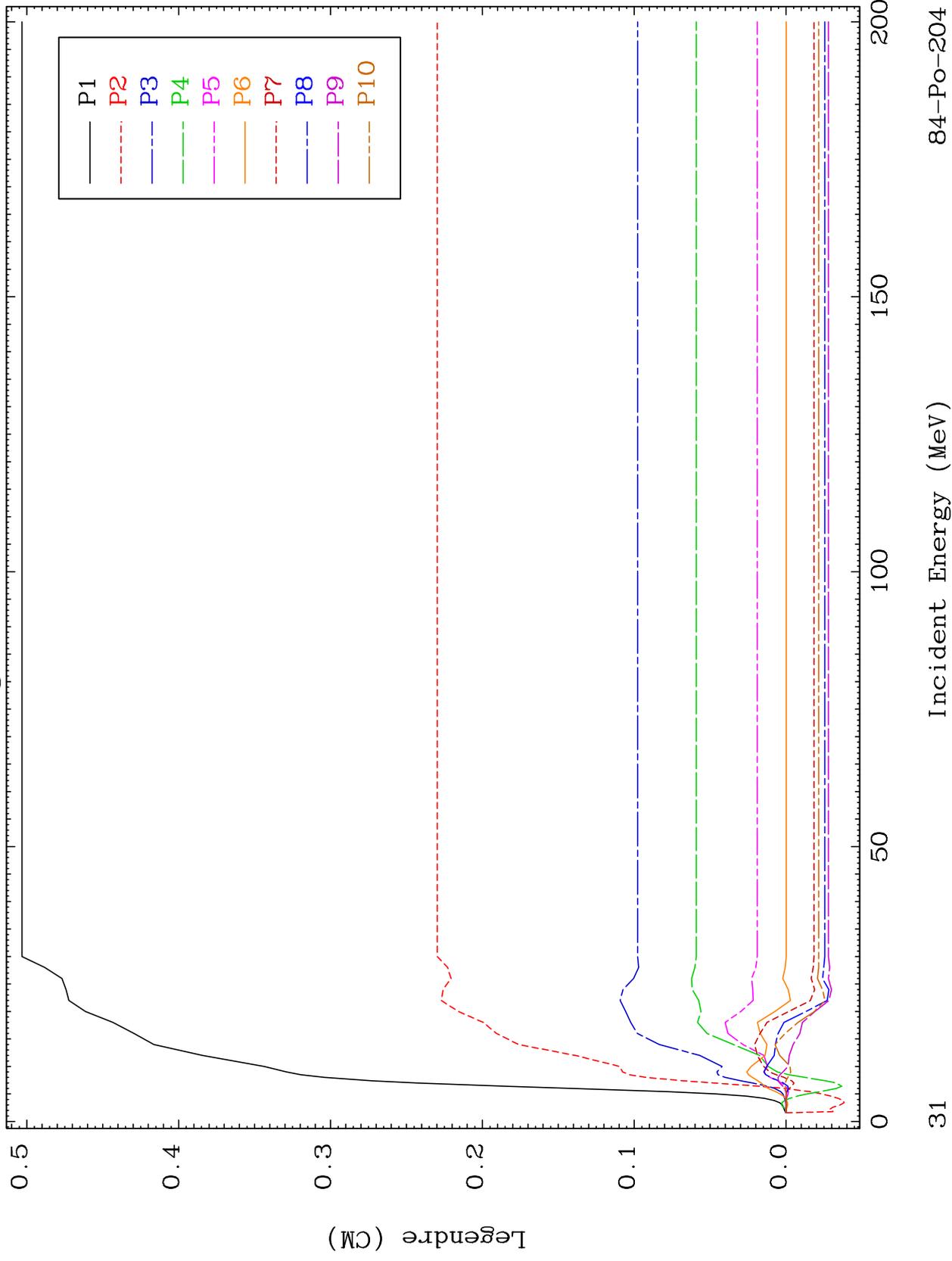


MAT 8419

MT= 54 (n,n') Level

84-Po-204

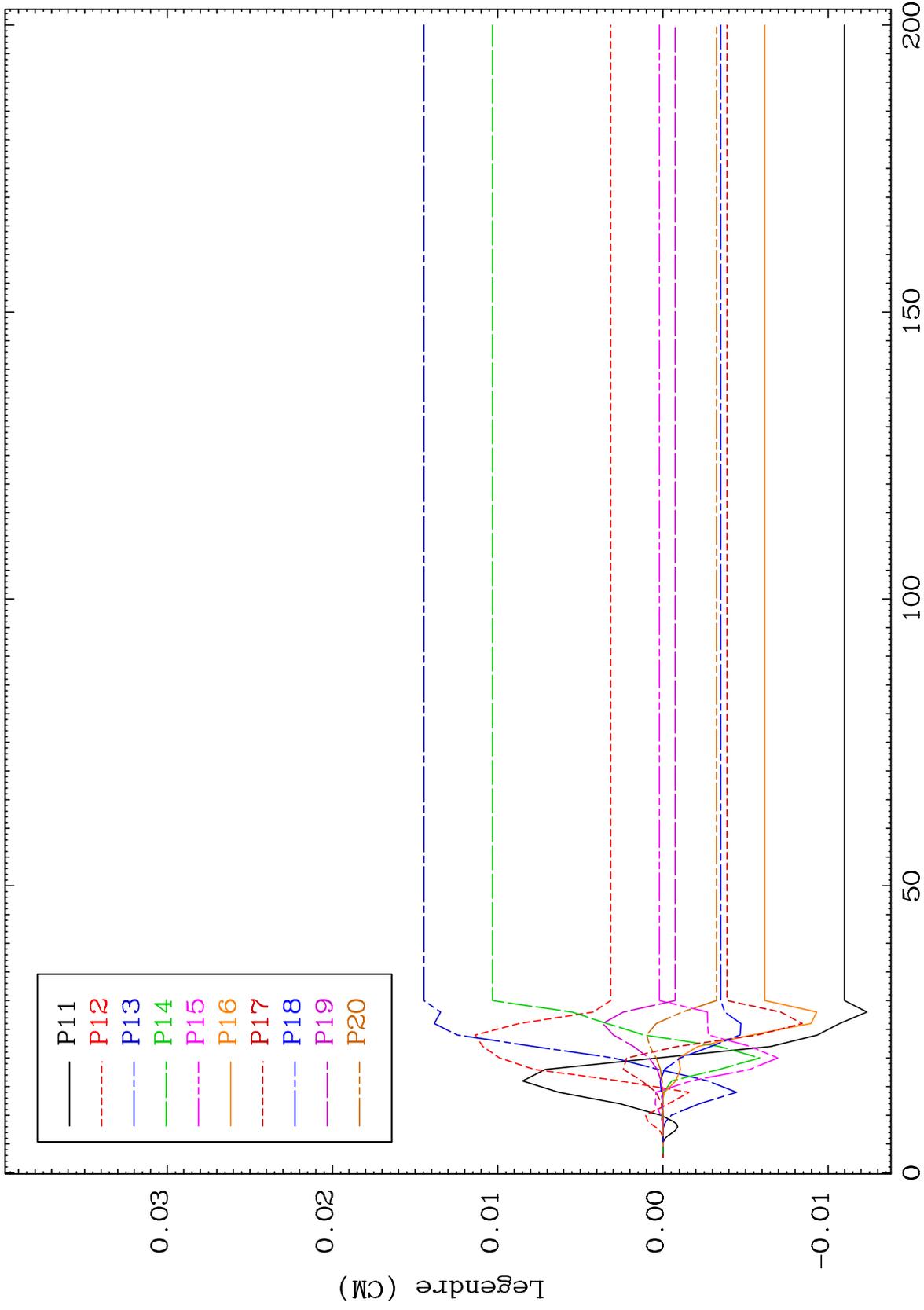
Legendre Coefficients



MAT 8419

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

84-Po-204



32

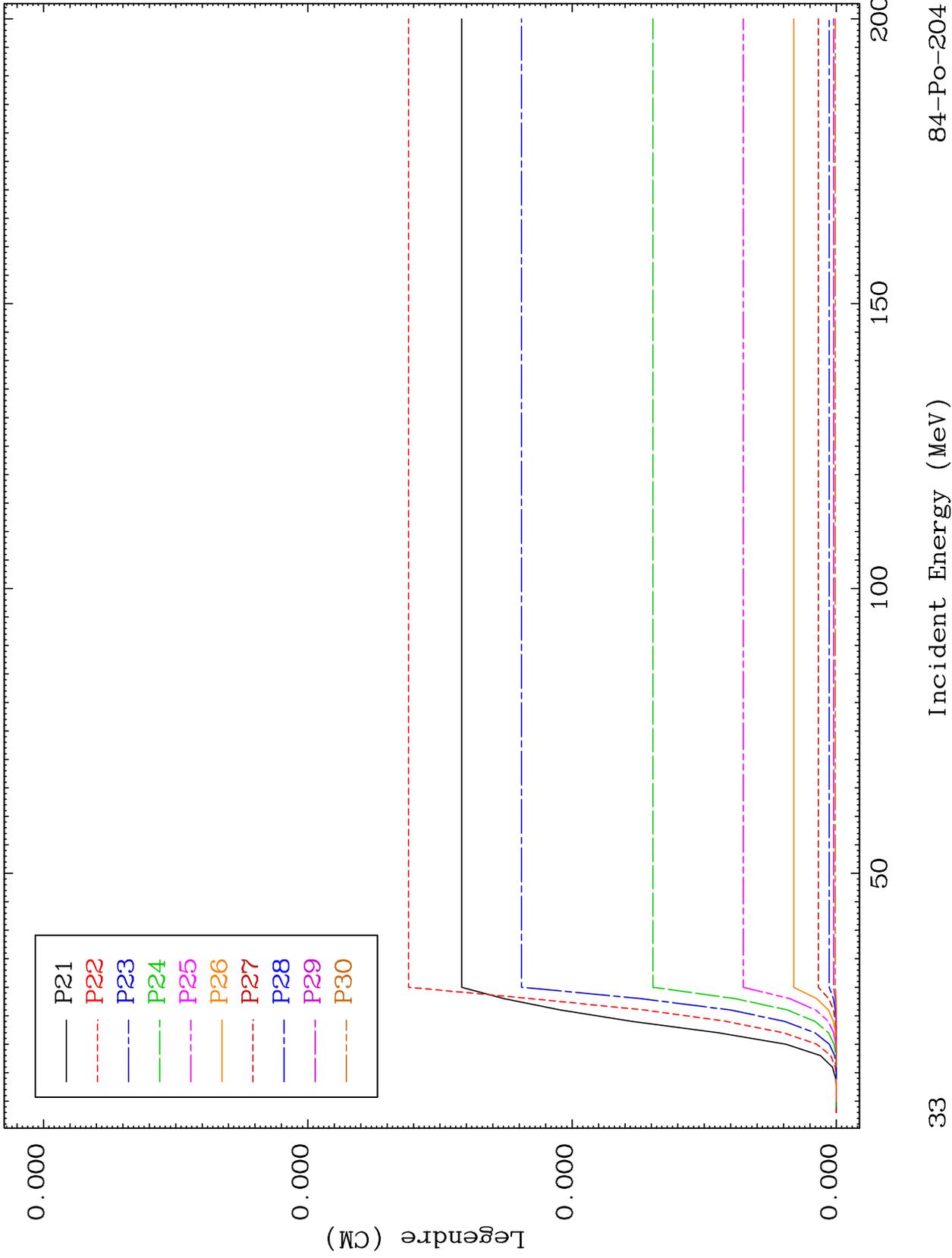
Incident Energy (MeV)

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MAT 8419

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

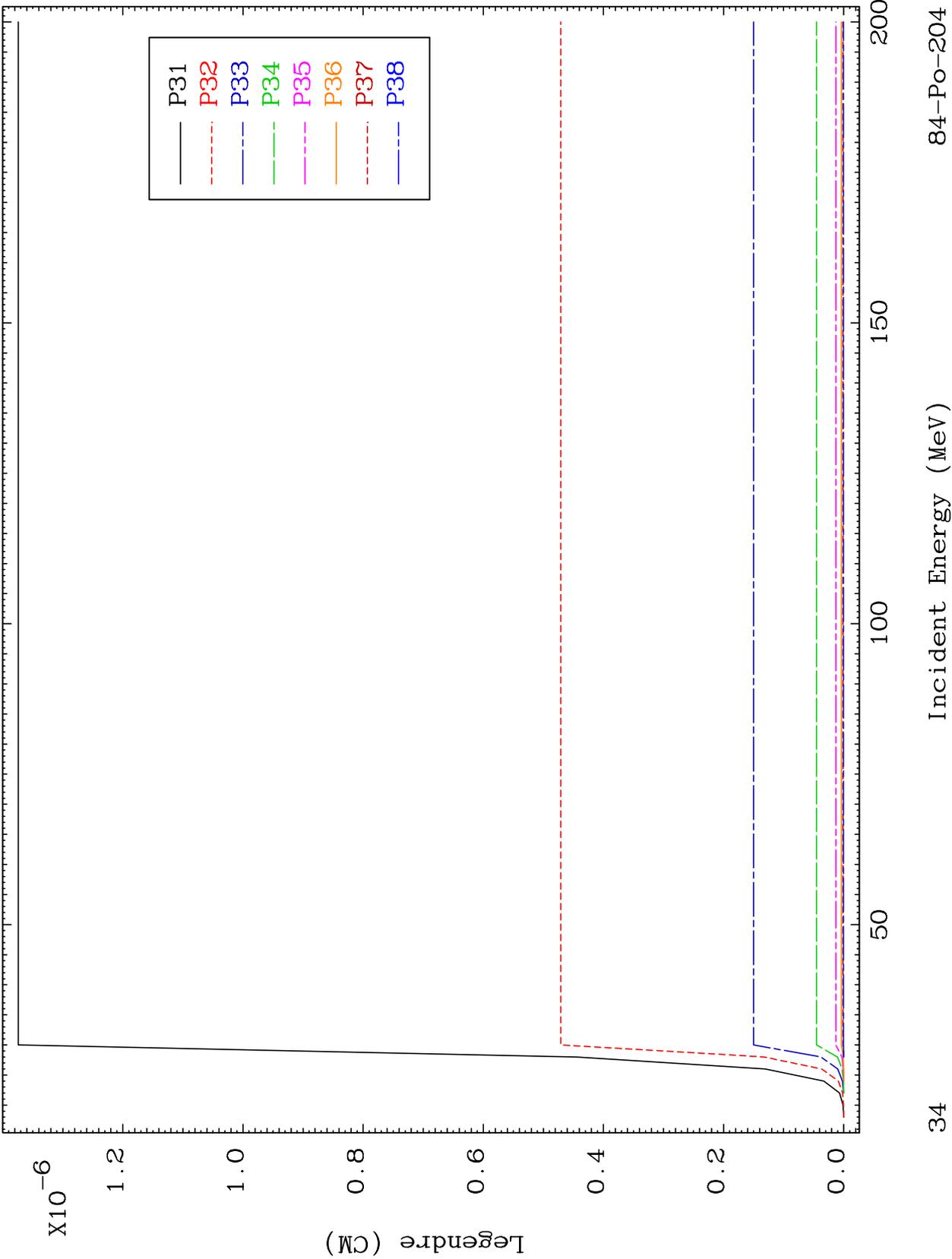
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MAT 8419

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

84-Po-204



34

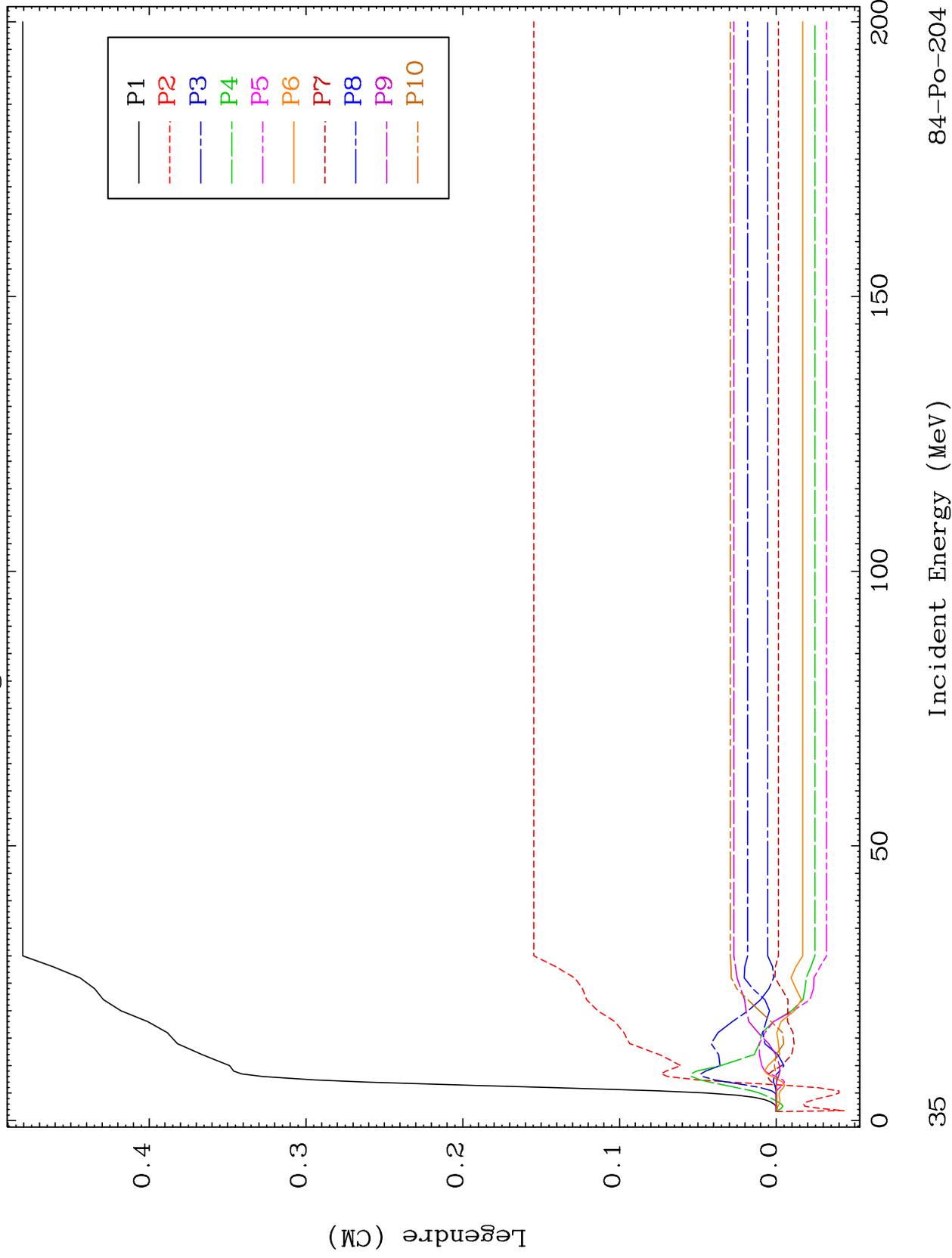
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

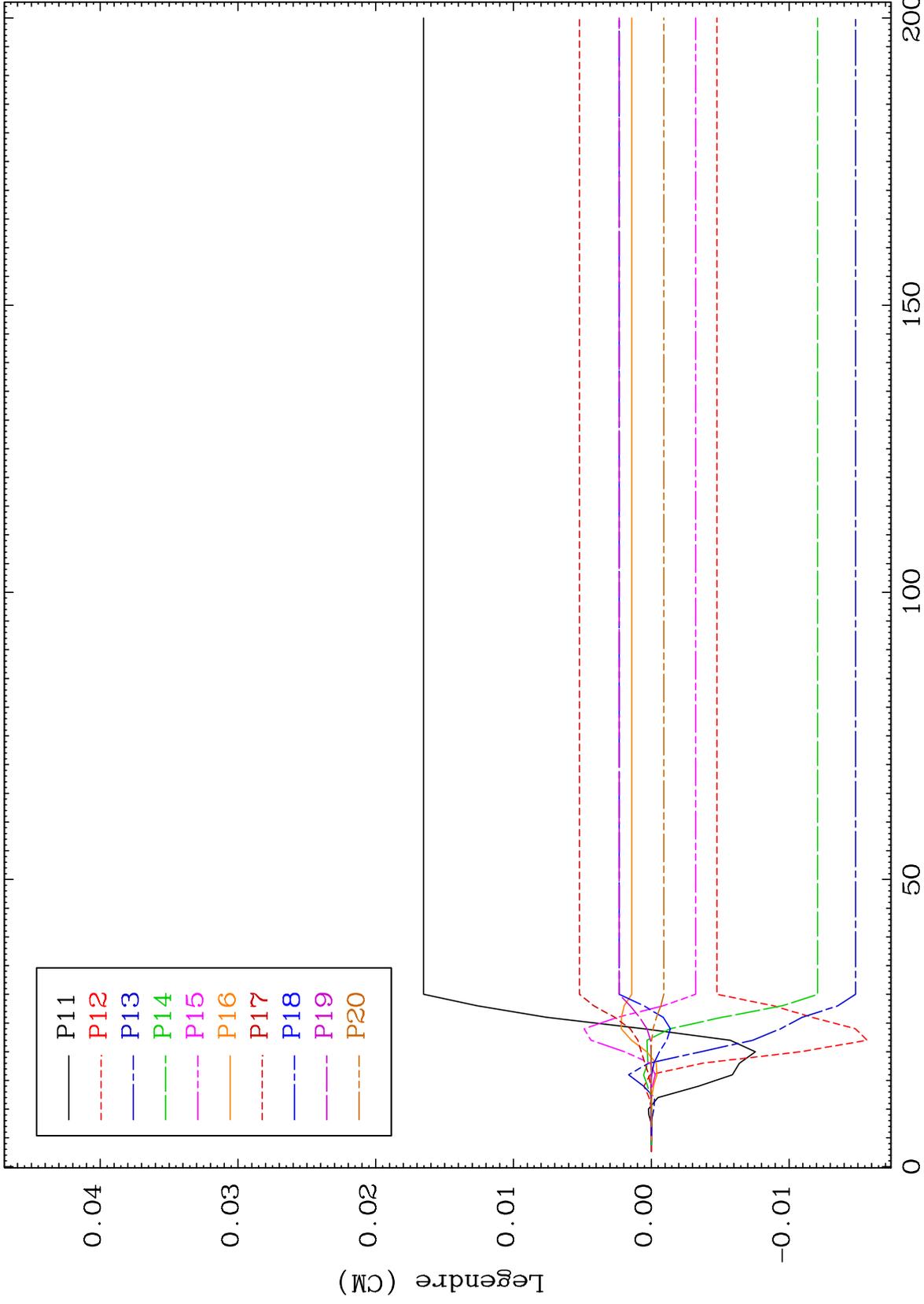
Incident Energy (MeV)

35

MAT 8419

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

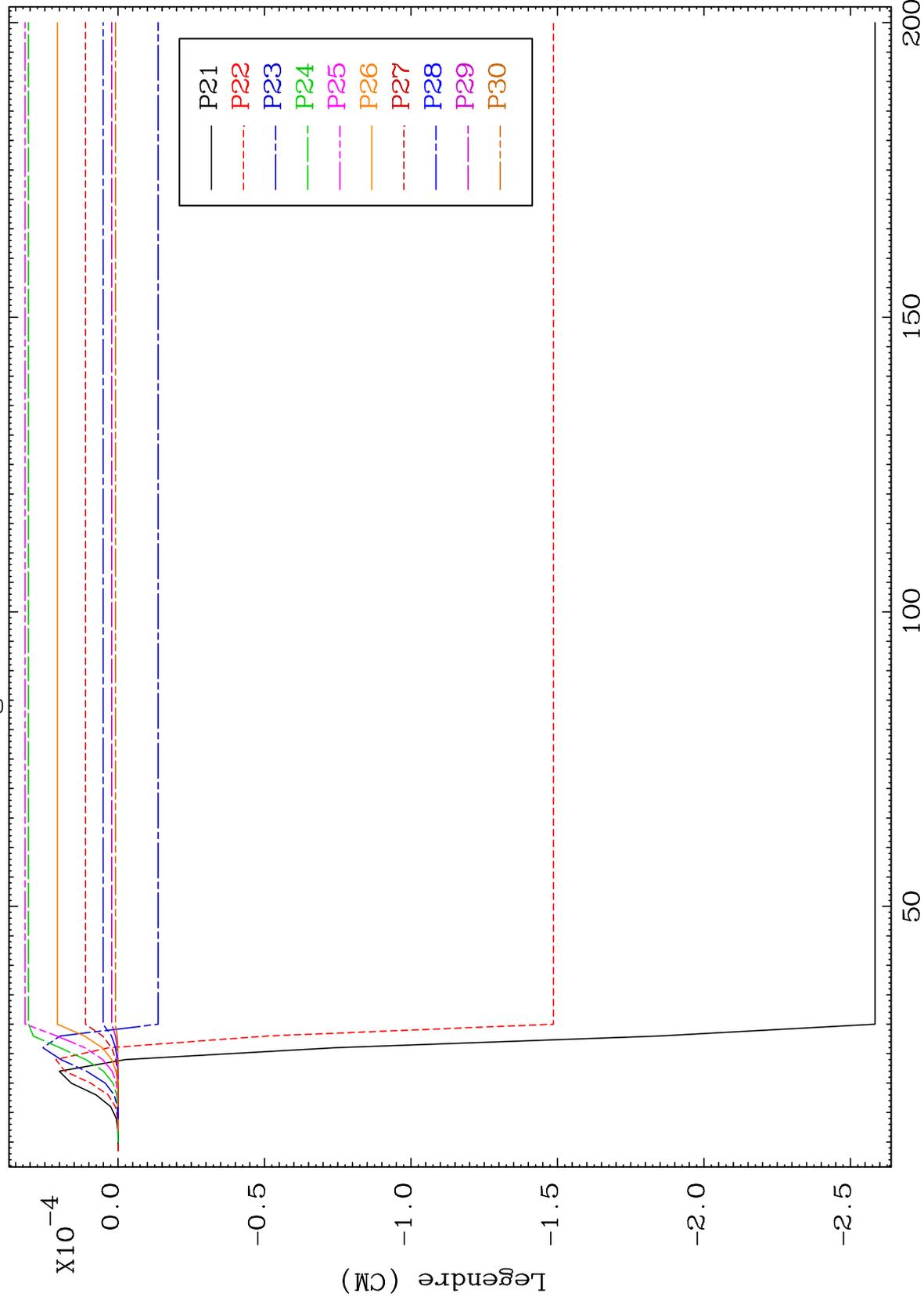
84-Po-204



36

Incident Energy (MeV)

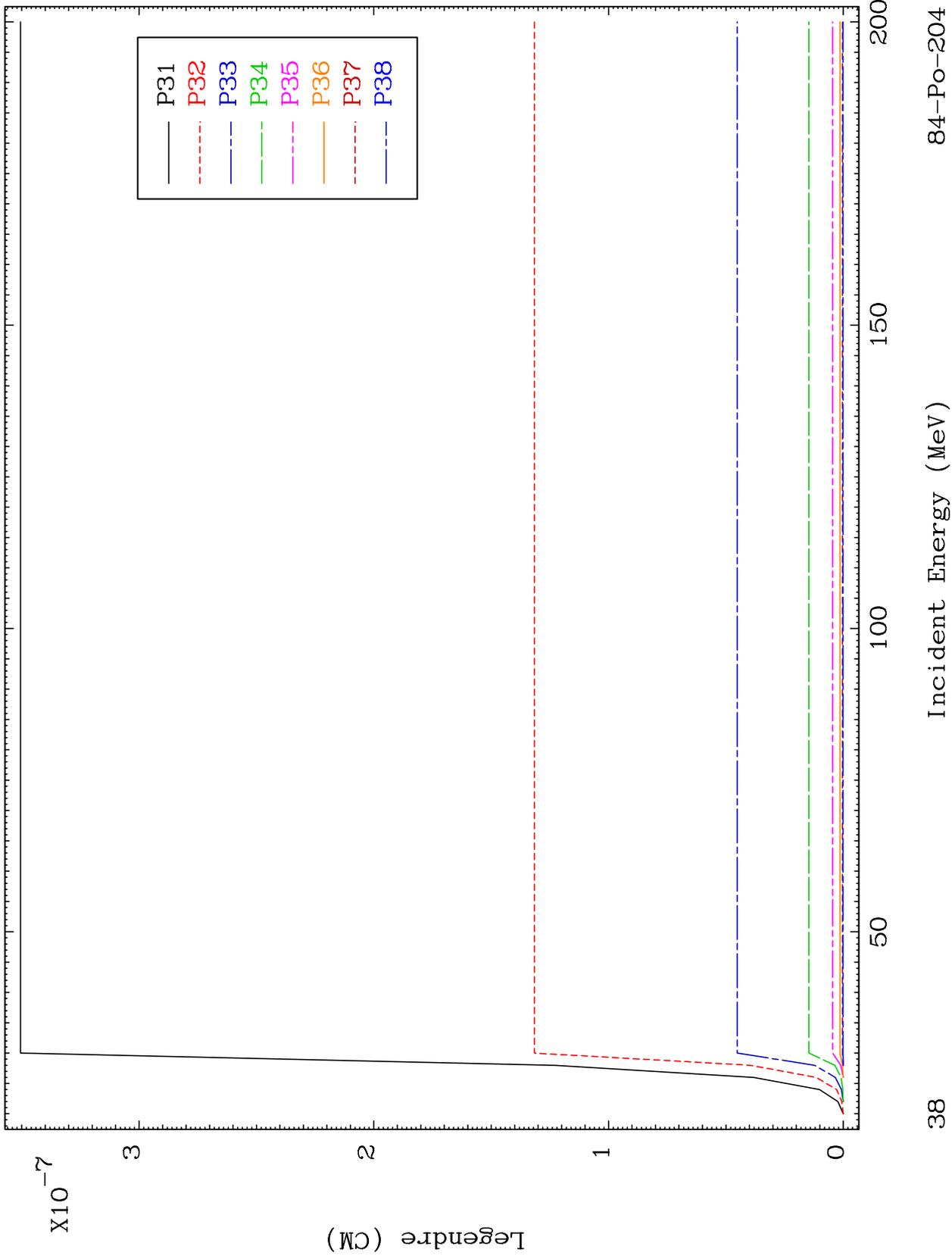
84-Po-204



MAT 8419

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

84-Po-204



38

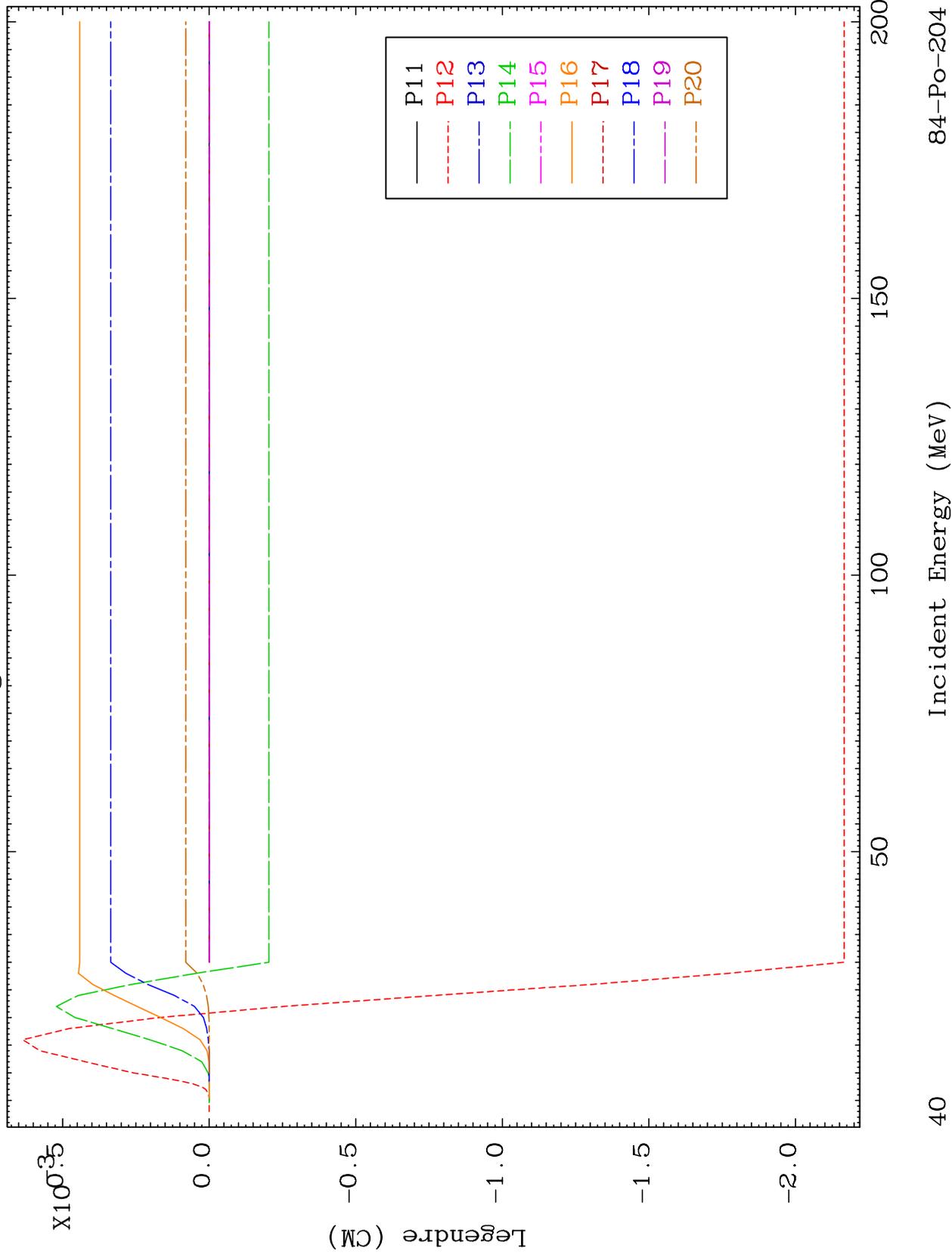
Incident Energy (MeV)

84-Po-204

MAT 8419

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

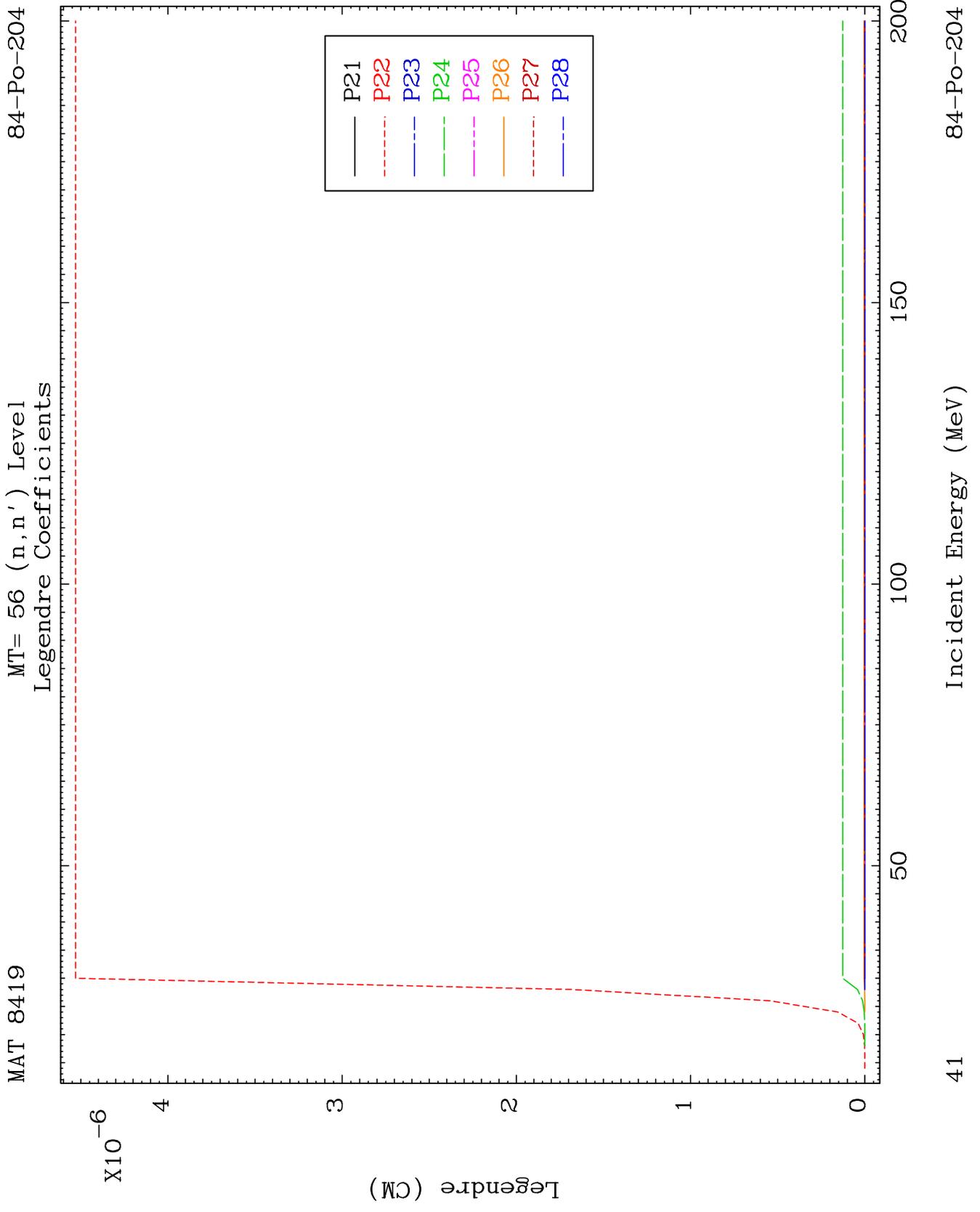
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84-Po-204

Incident Energy (MeV)

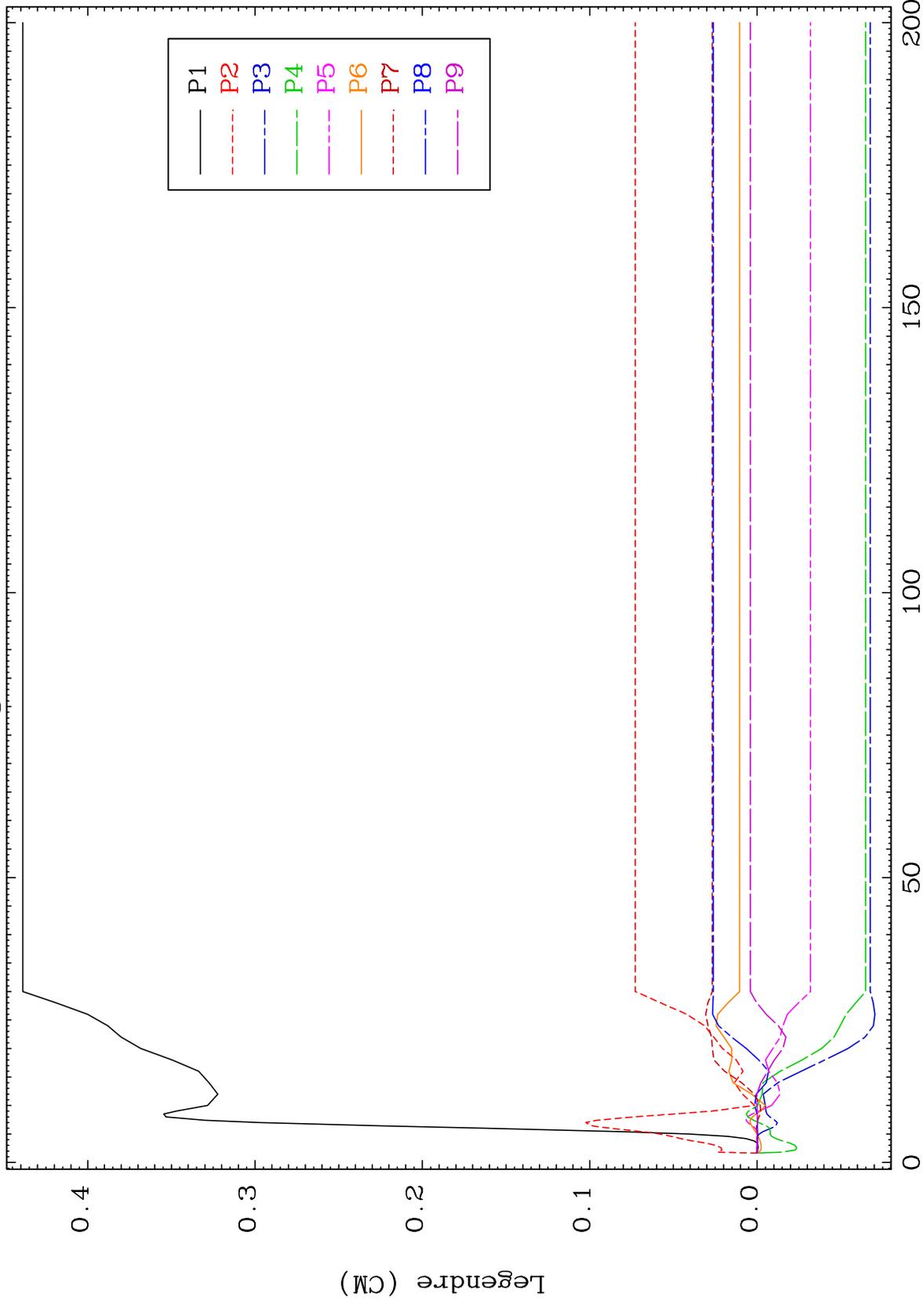
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MAT 8419

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

84-Po-204



84-Po-204

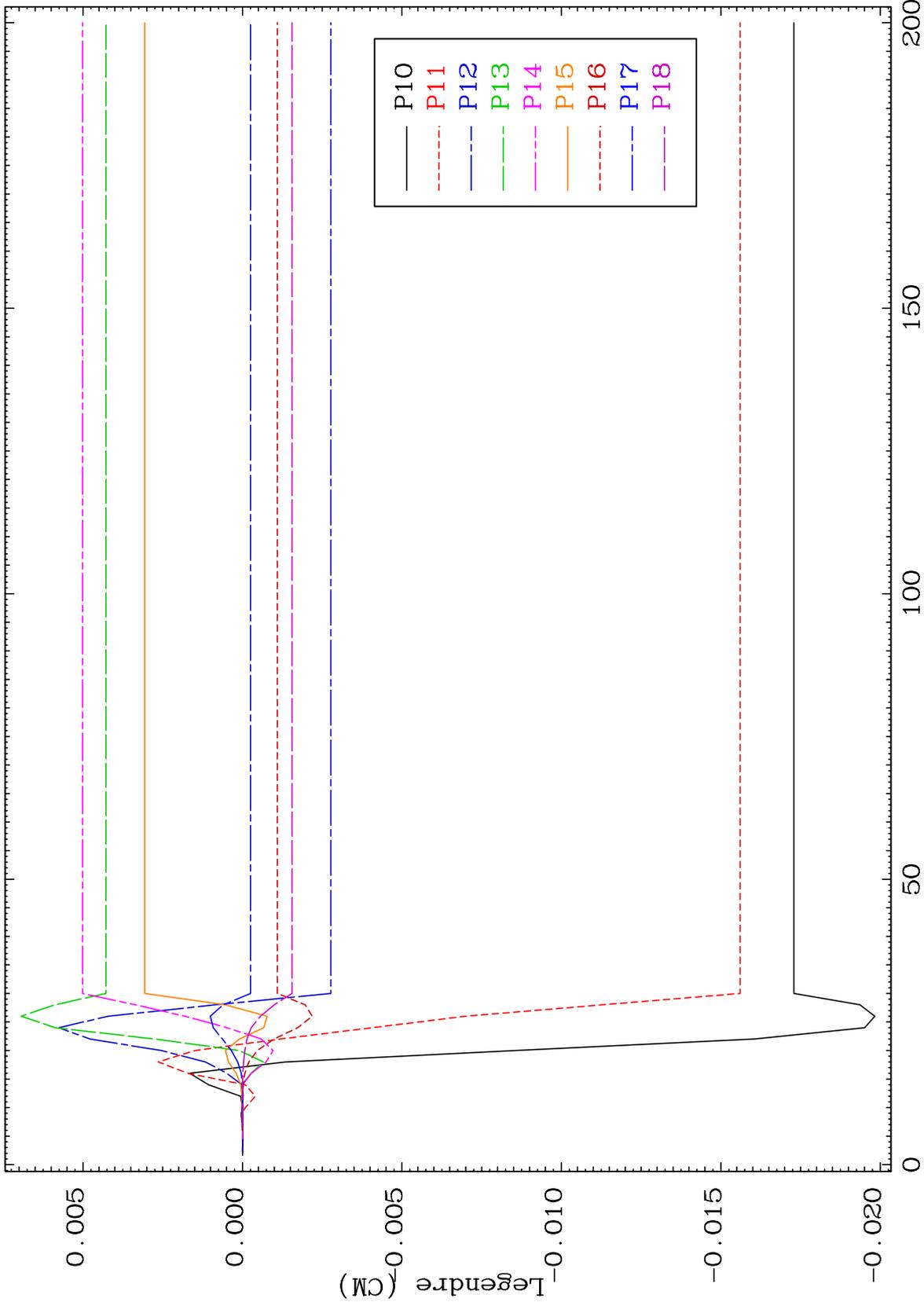
Incident Energy (MeV)

42

MAT 8419

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

84-Po-204



43

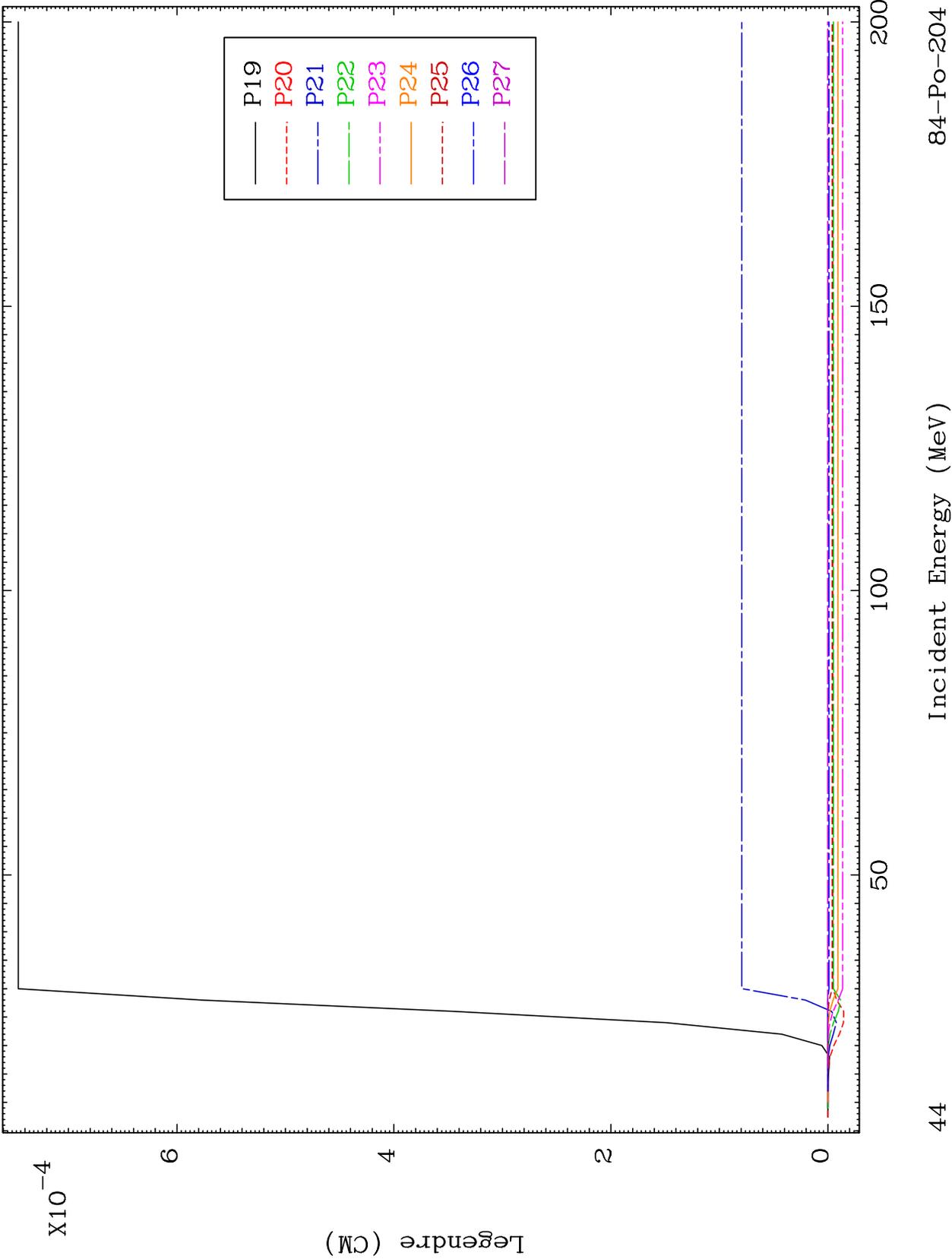
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



44

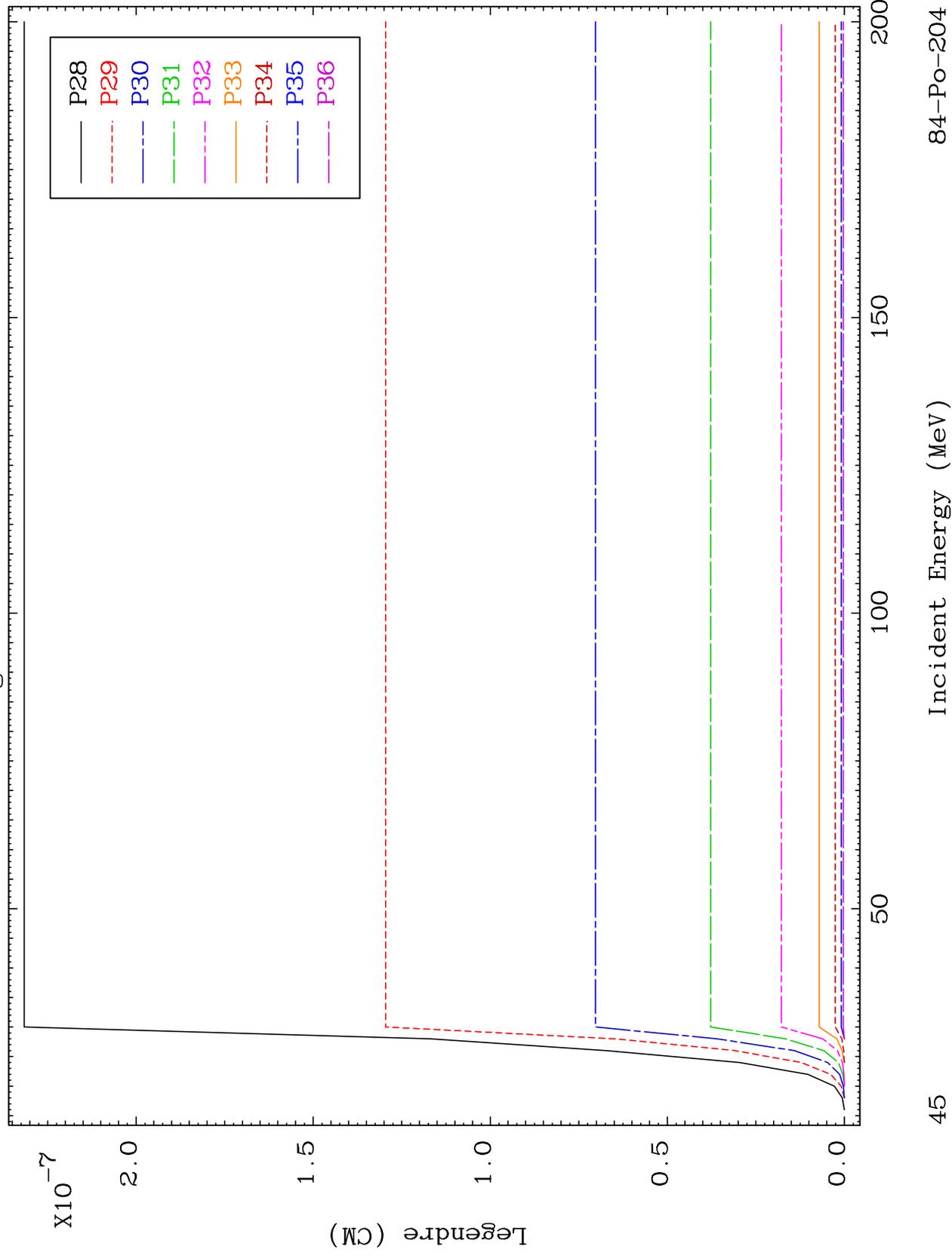
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



45

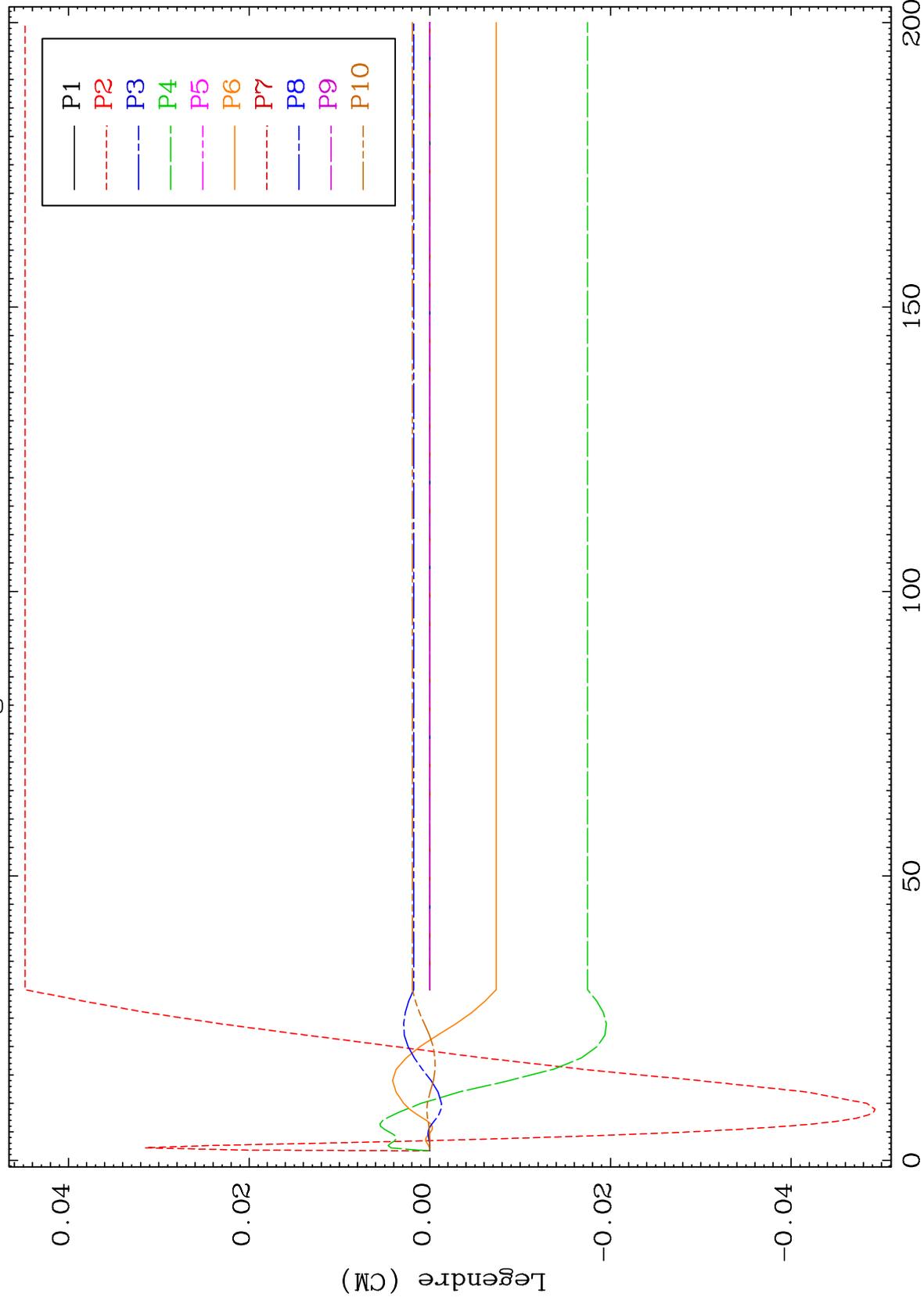
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

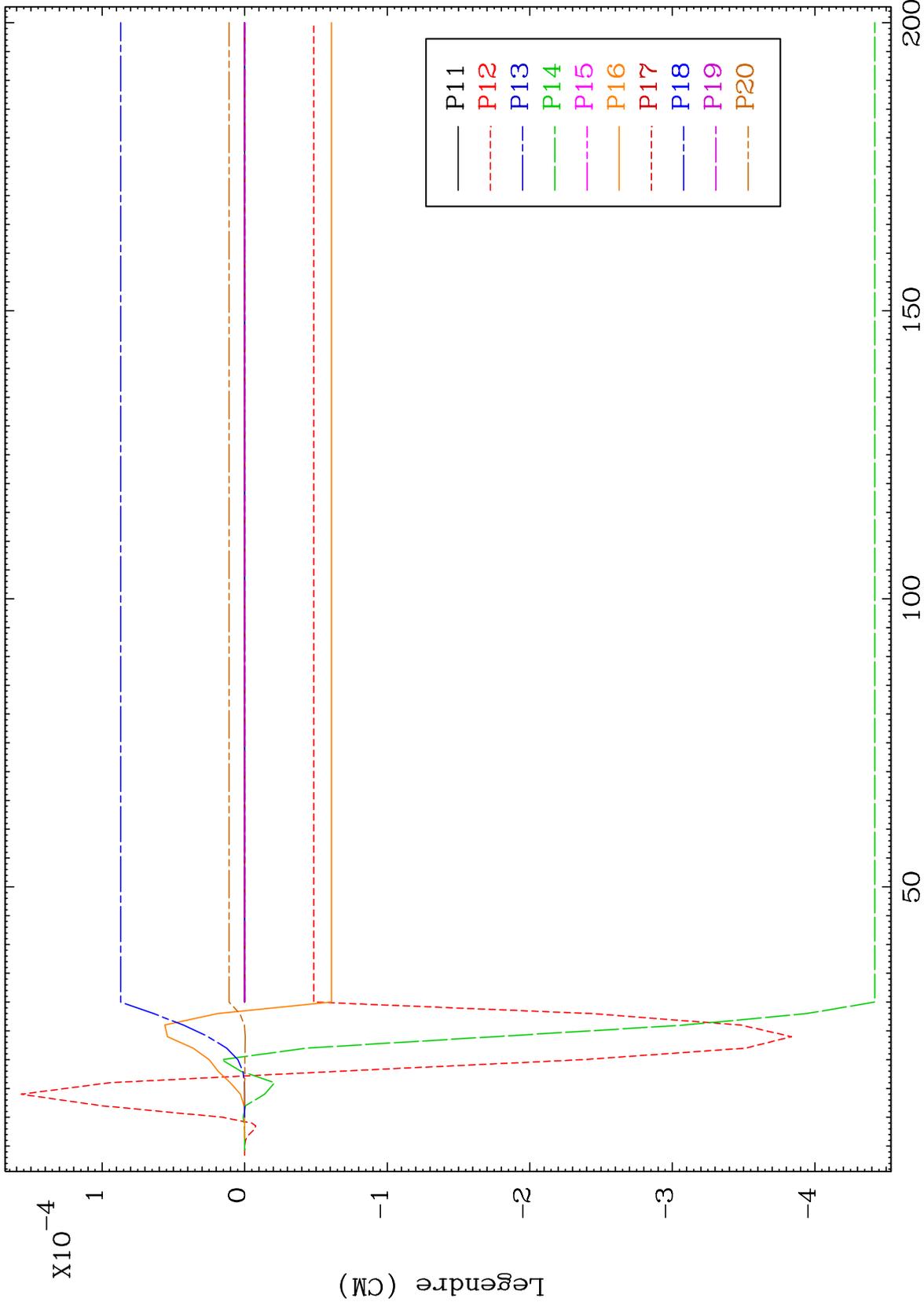
Incident Energy (MeV)

46

MAT 8419

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

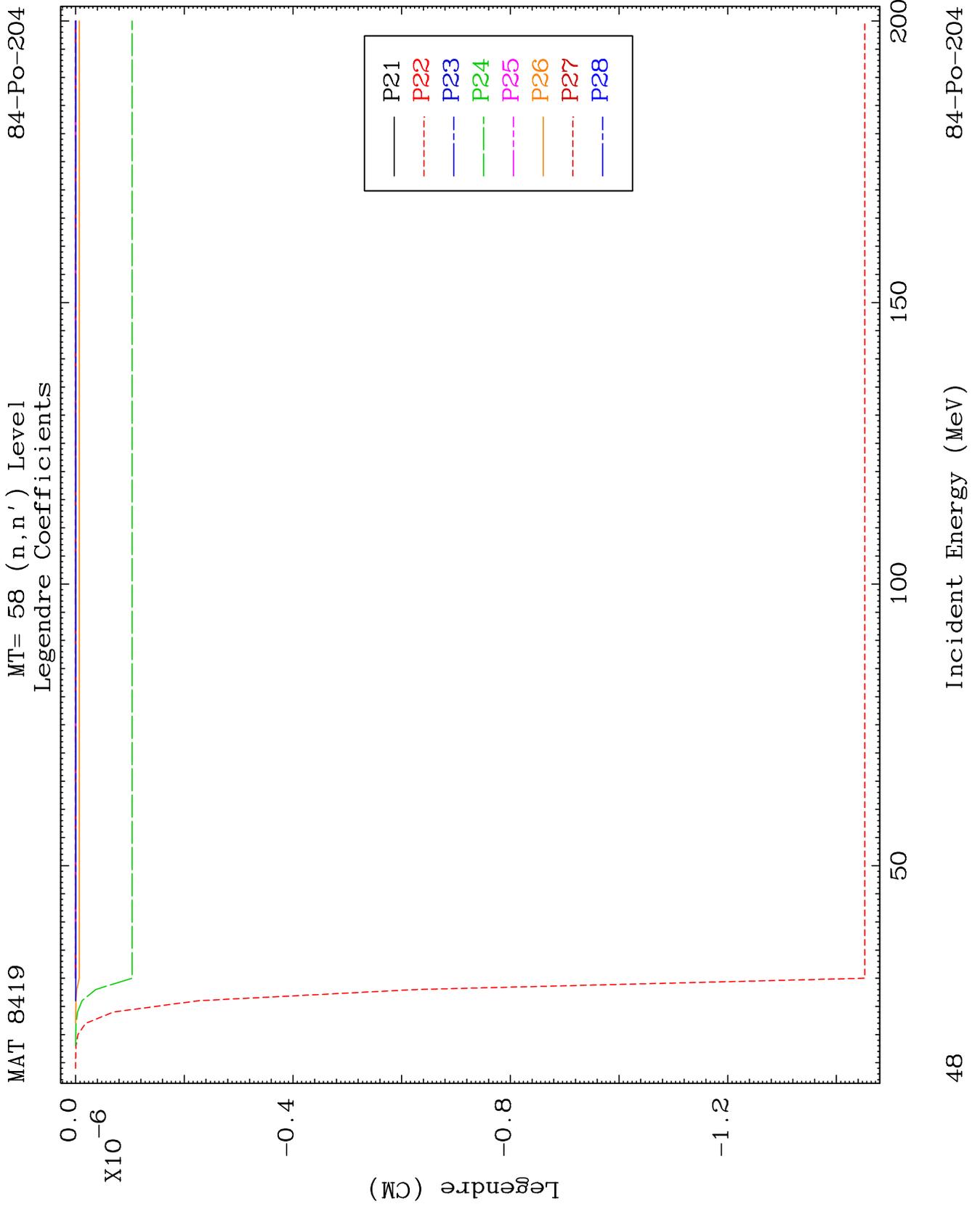
84-Po-204



47

Incident Energy (MeV)

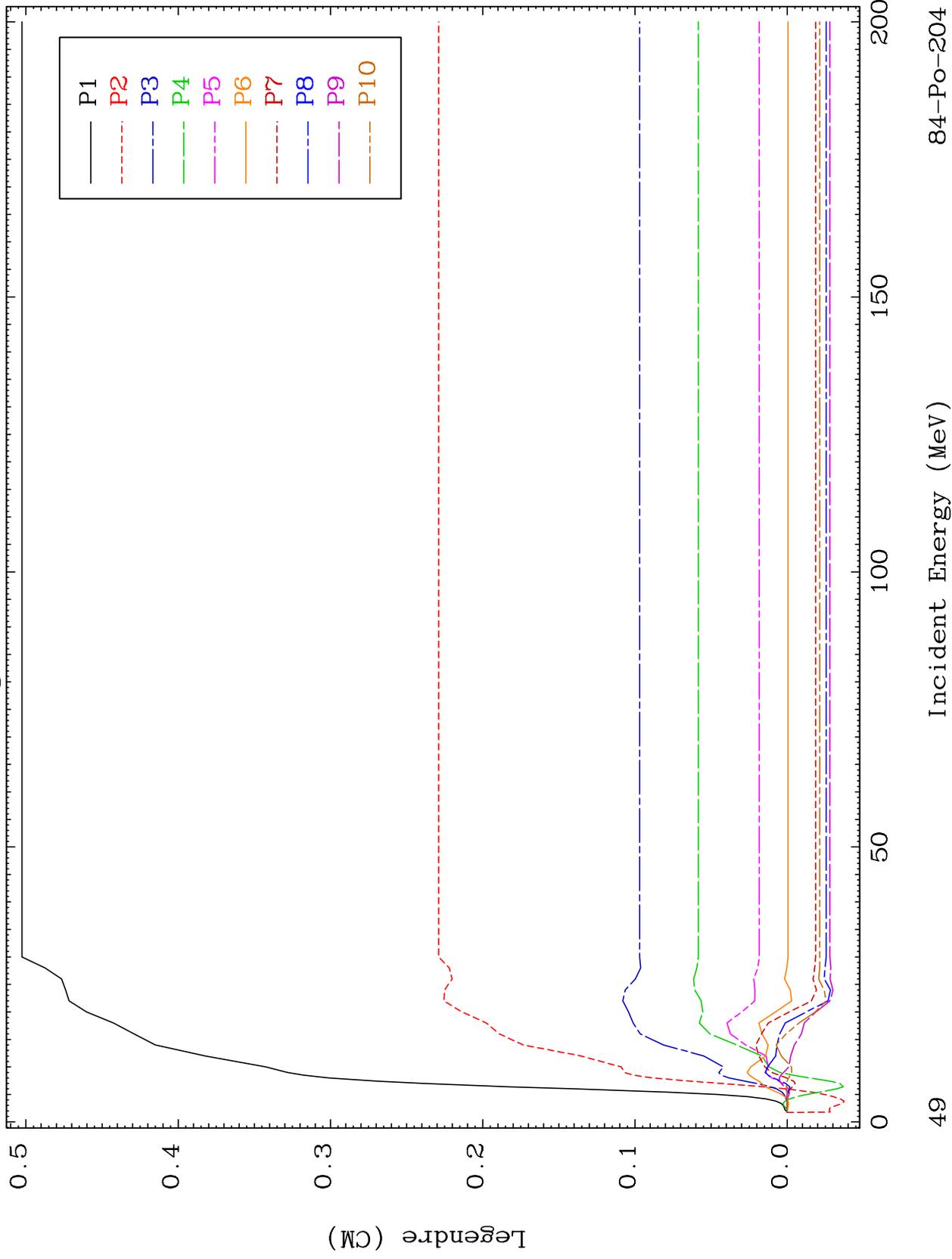
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MAT 8419

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

84-Po-204



84-Po-204

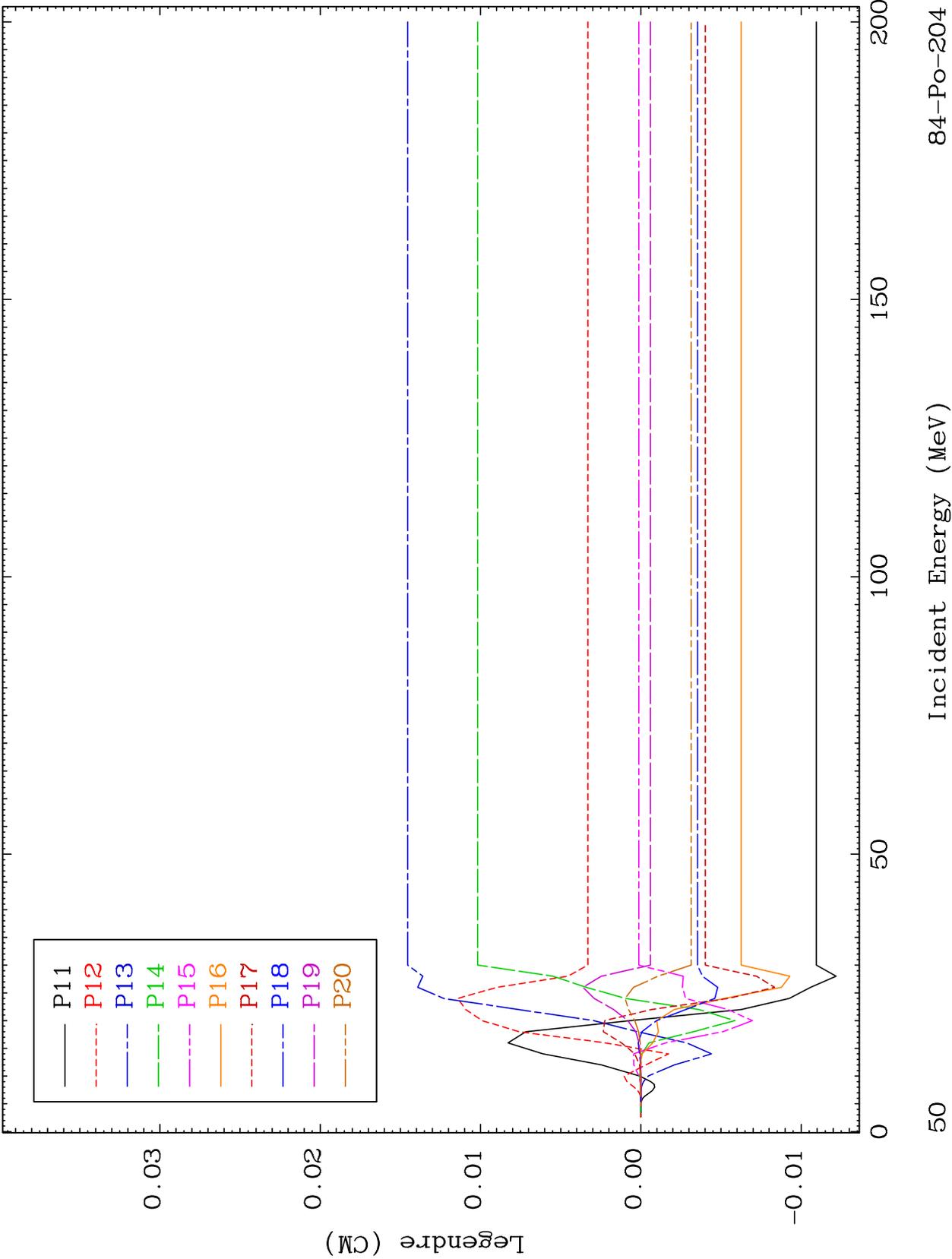
Incident Energy (MeV)

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MAT 8419

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

84-Po-204



84-Po-204

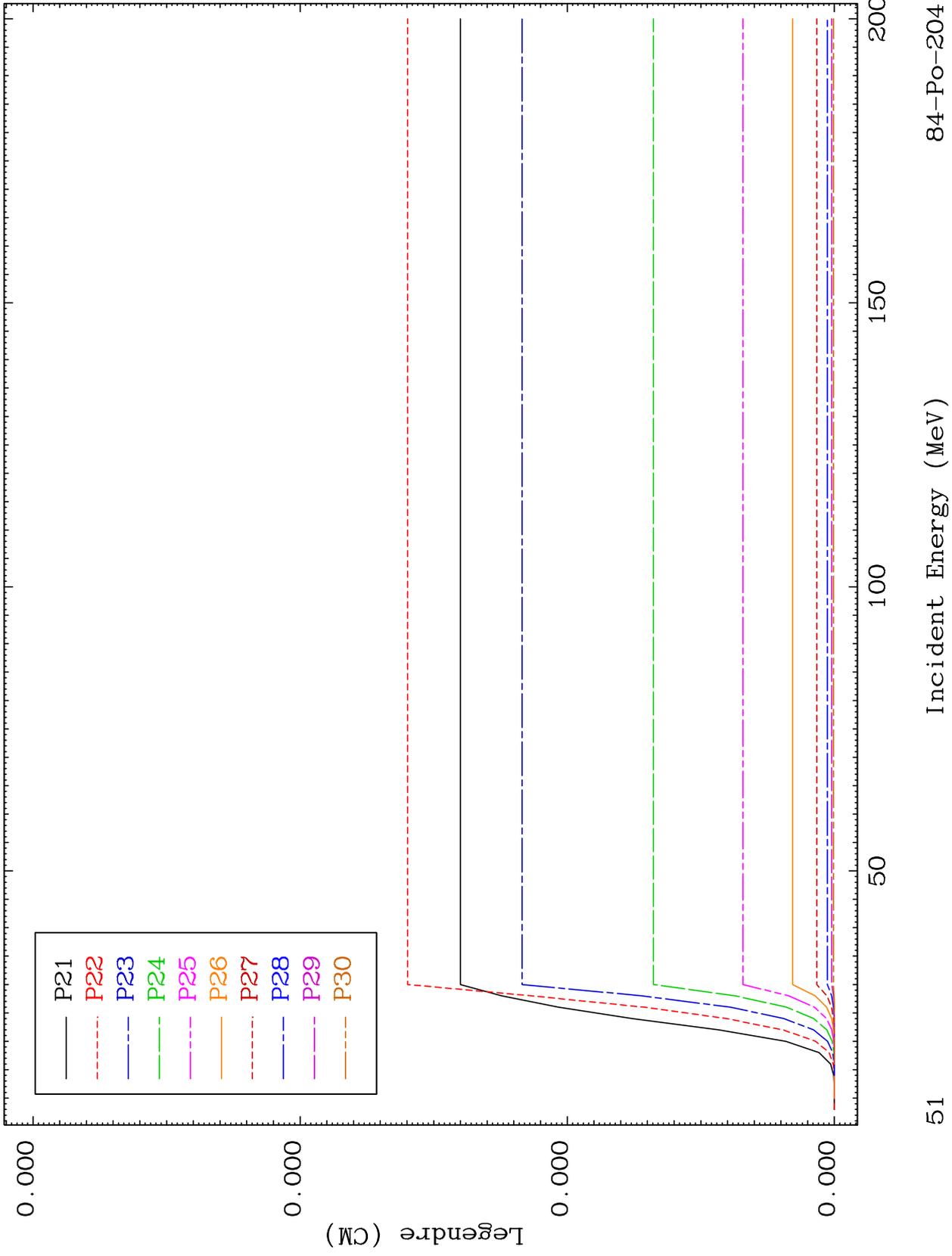
Incident Energy (MeV)

50

MAT 8419

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

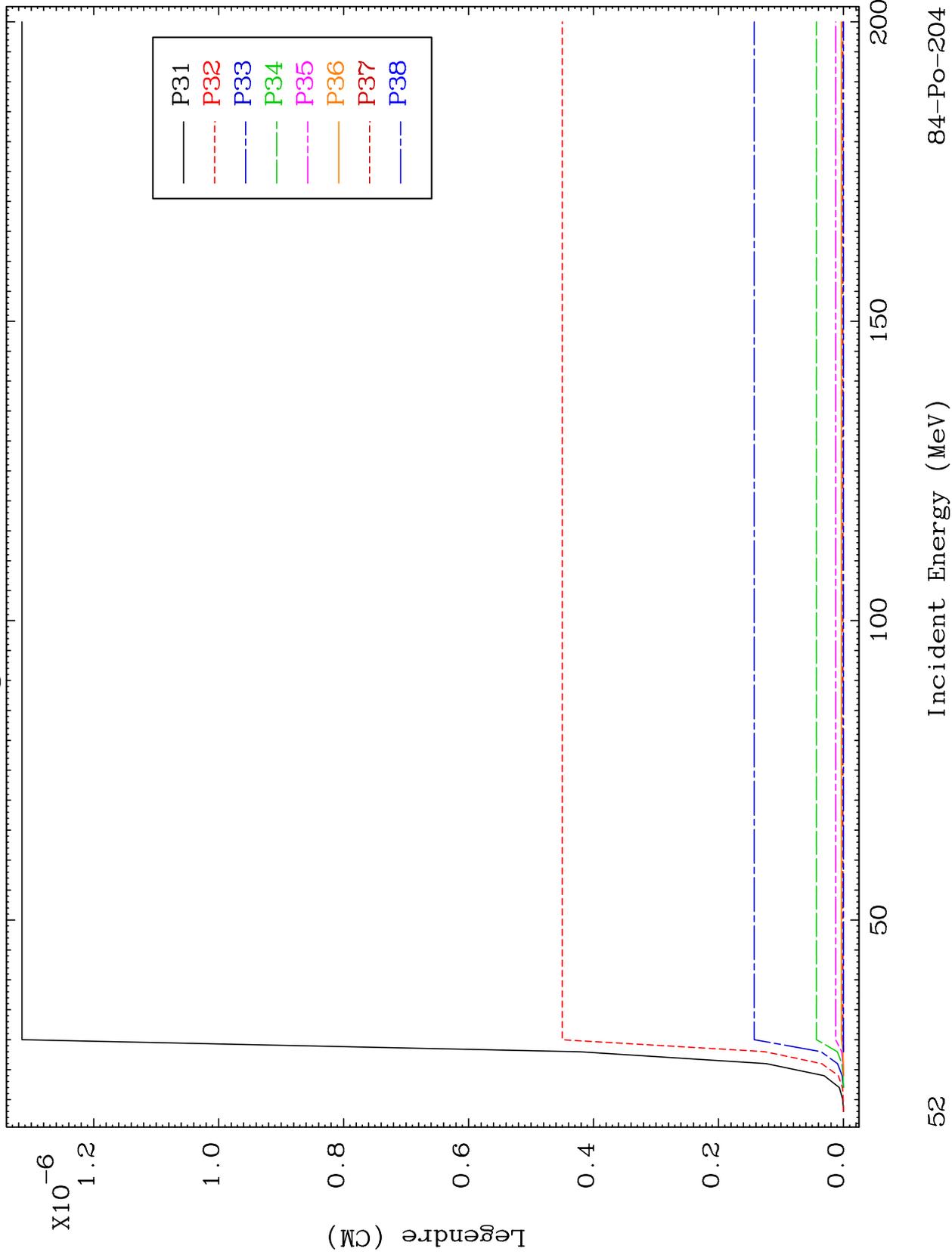
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MAT 8419

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

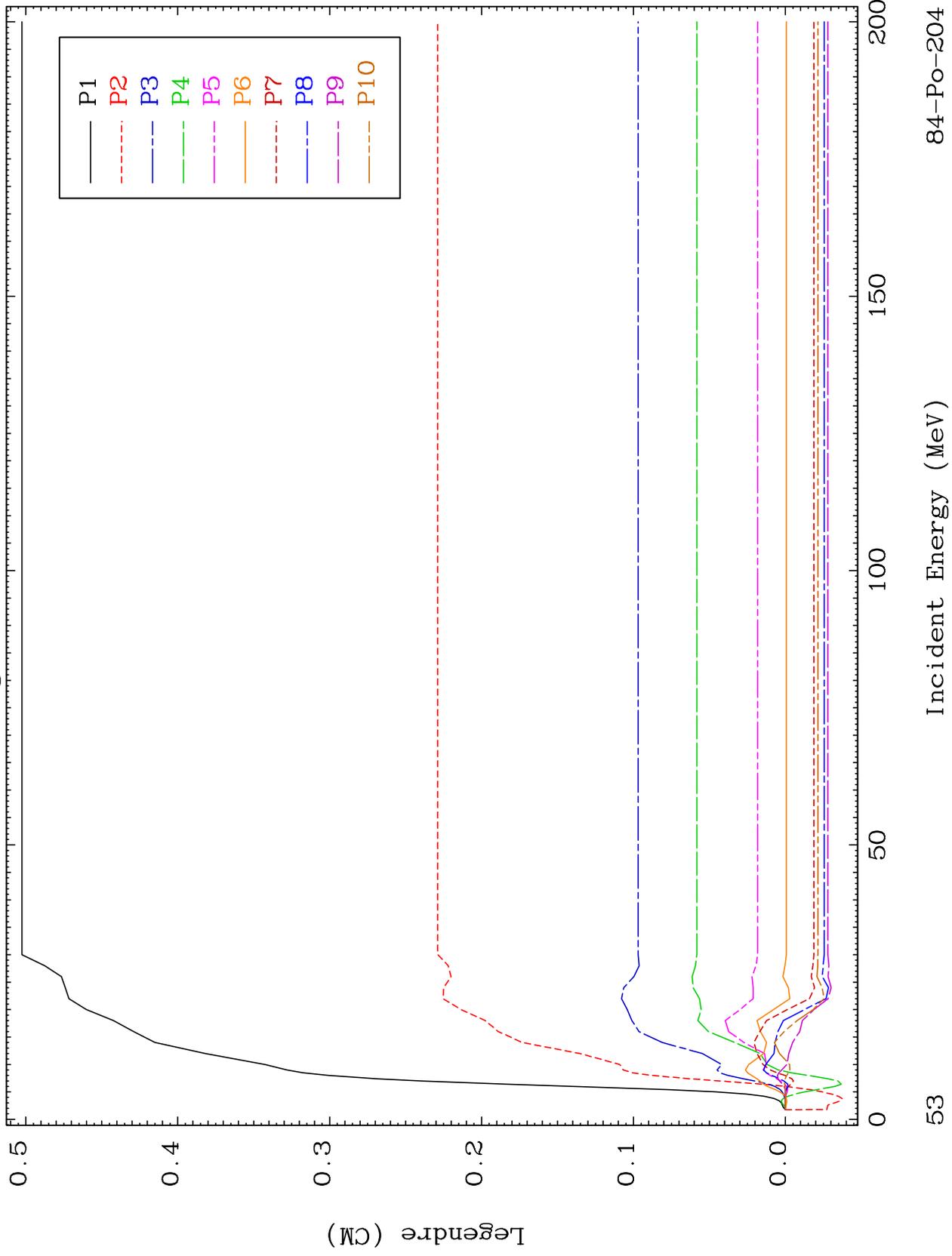
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MAT 8419

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

84-Po-204



84-Po-204

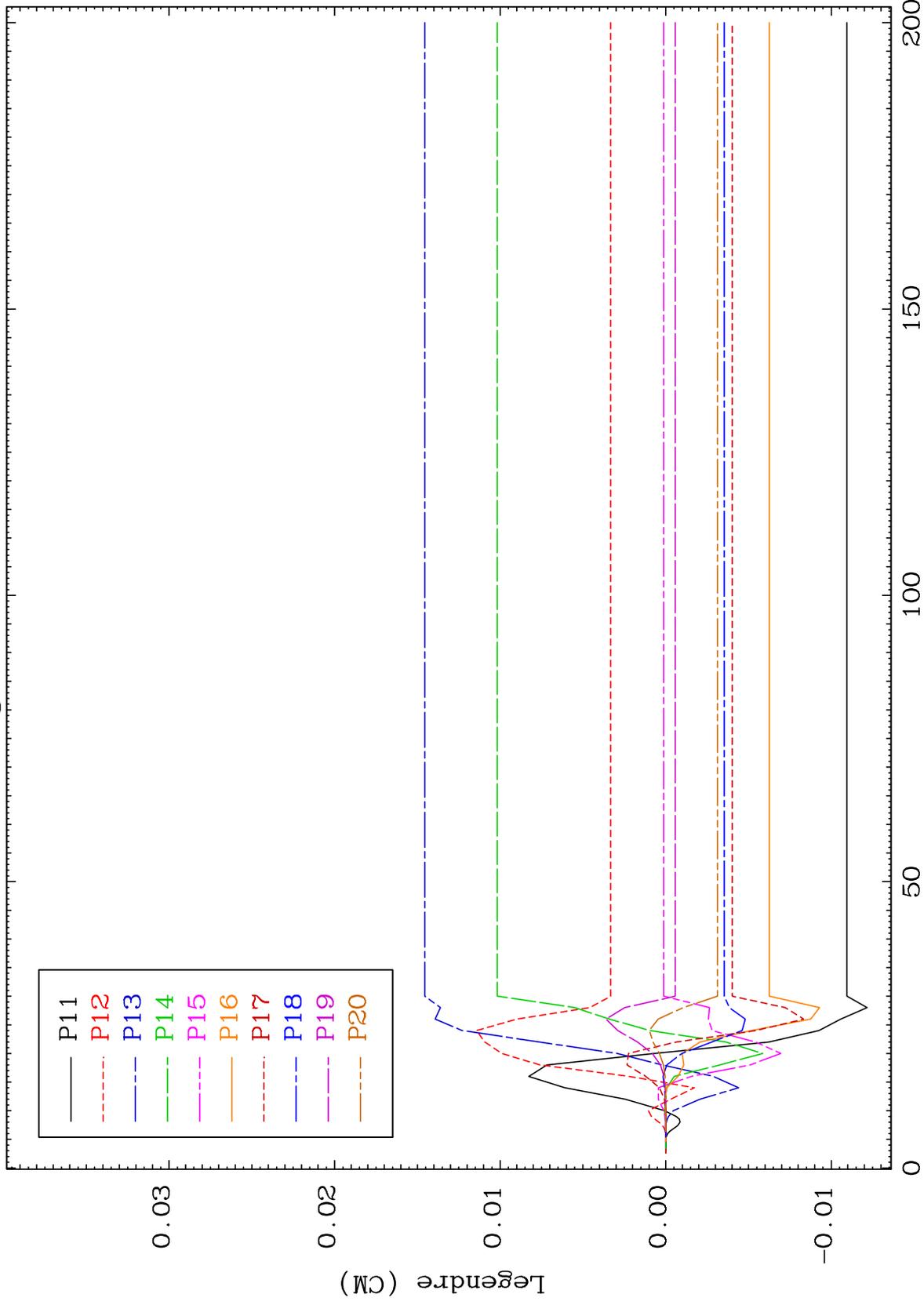
Incident Energy (MeV)

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MAT 8419

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

84-Po-204



54

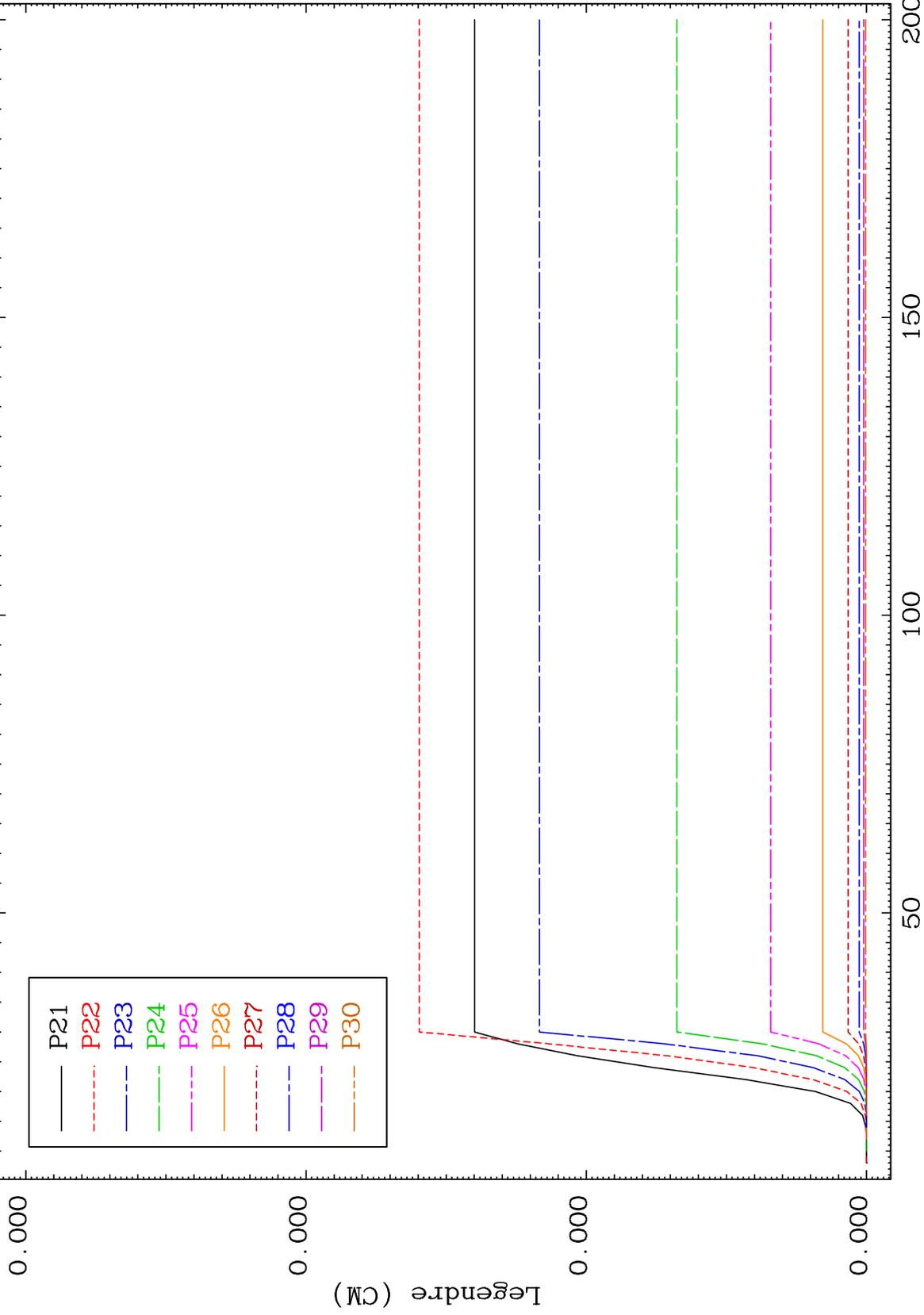
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



55

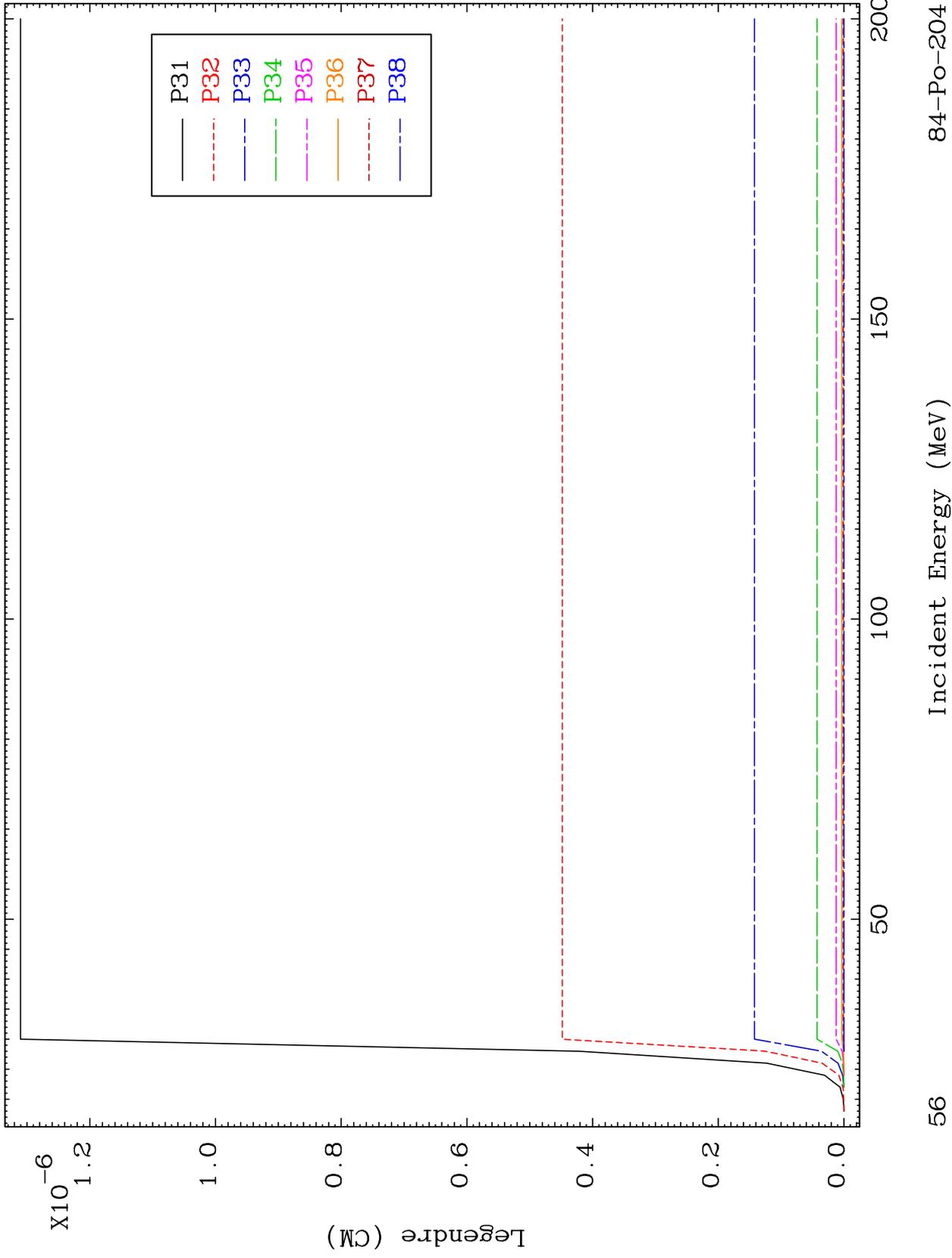
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



56

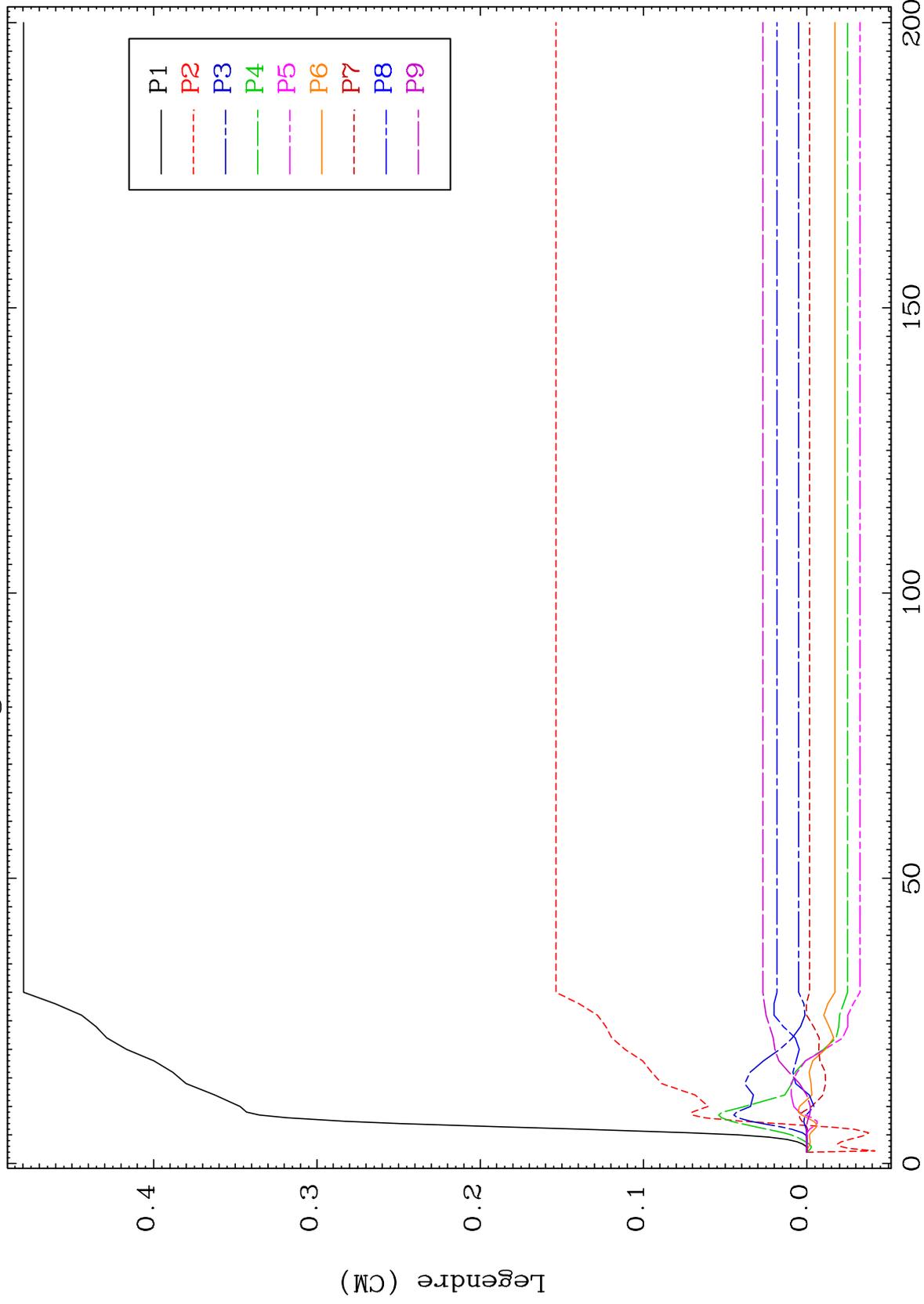
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



57

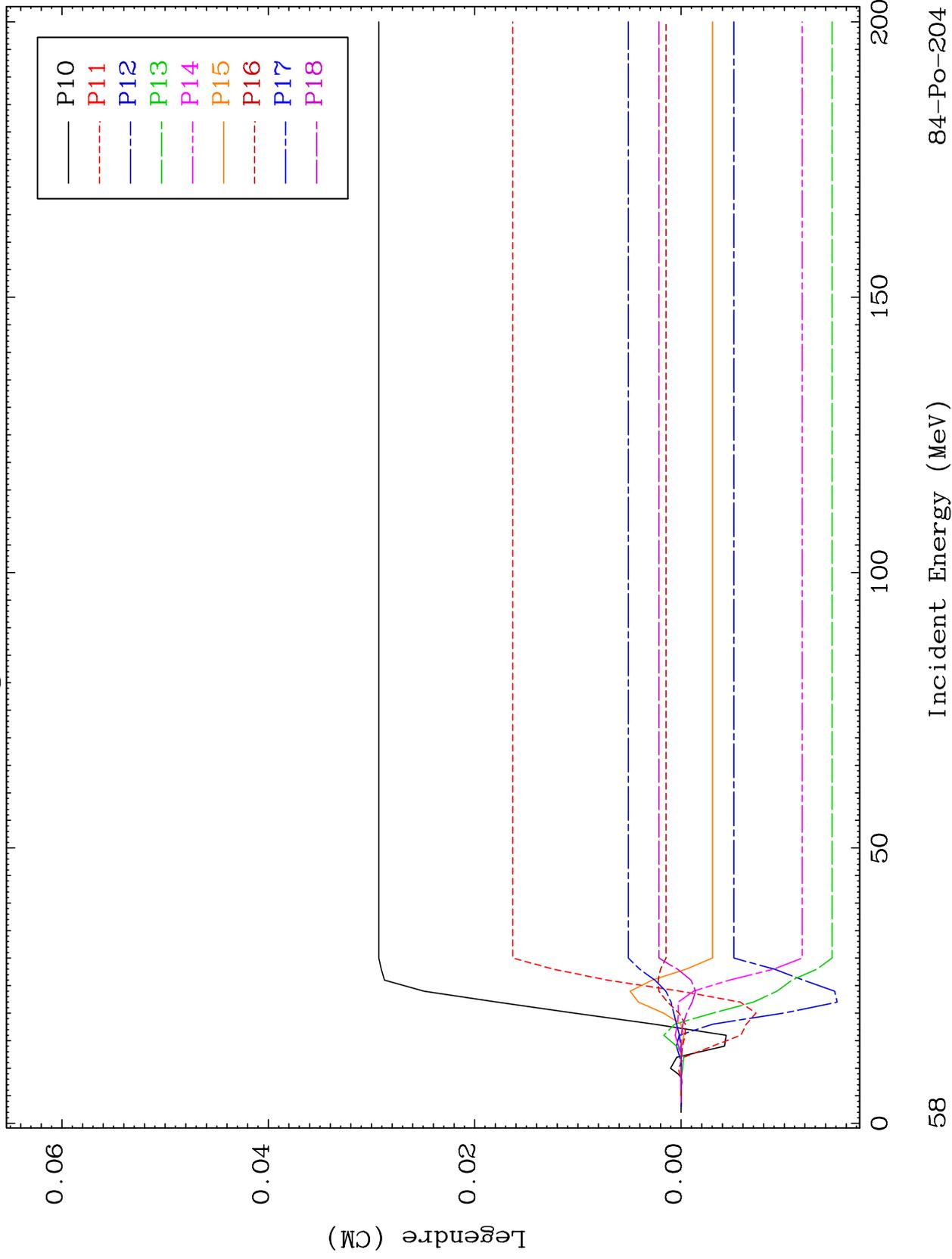
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

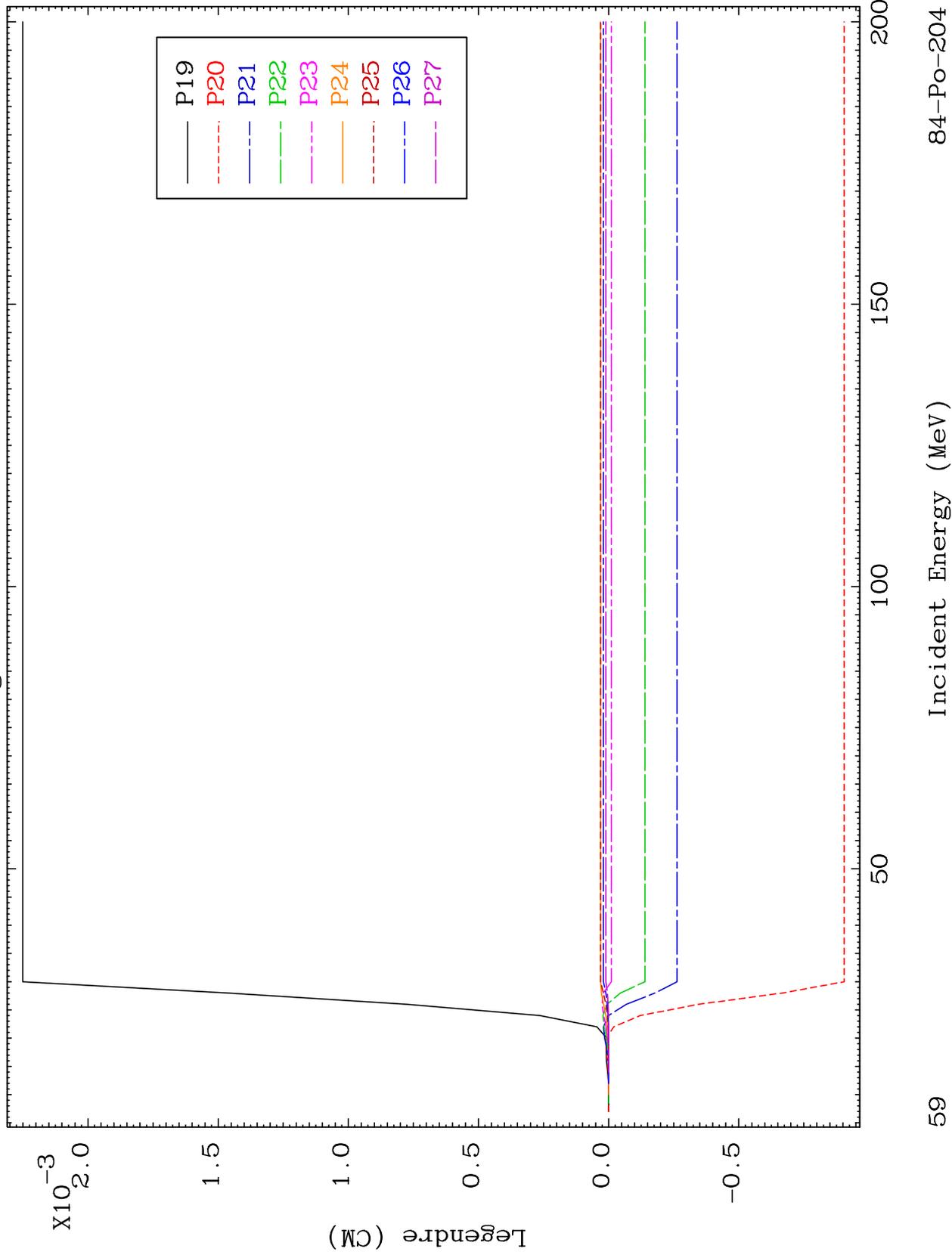
Incident Energy (MeV)

58

MAT 8419

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

84-Po-204



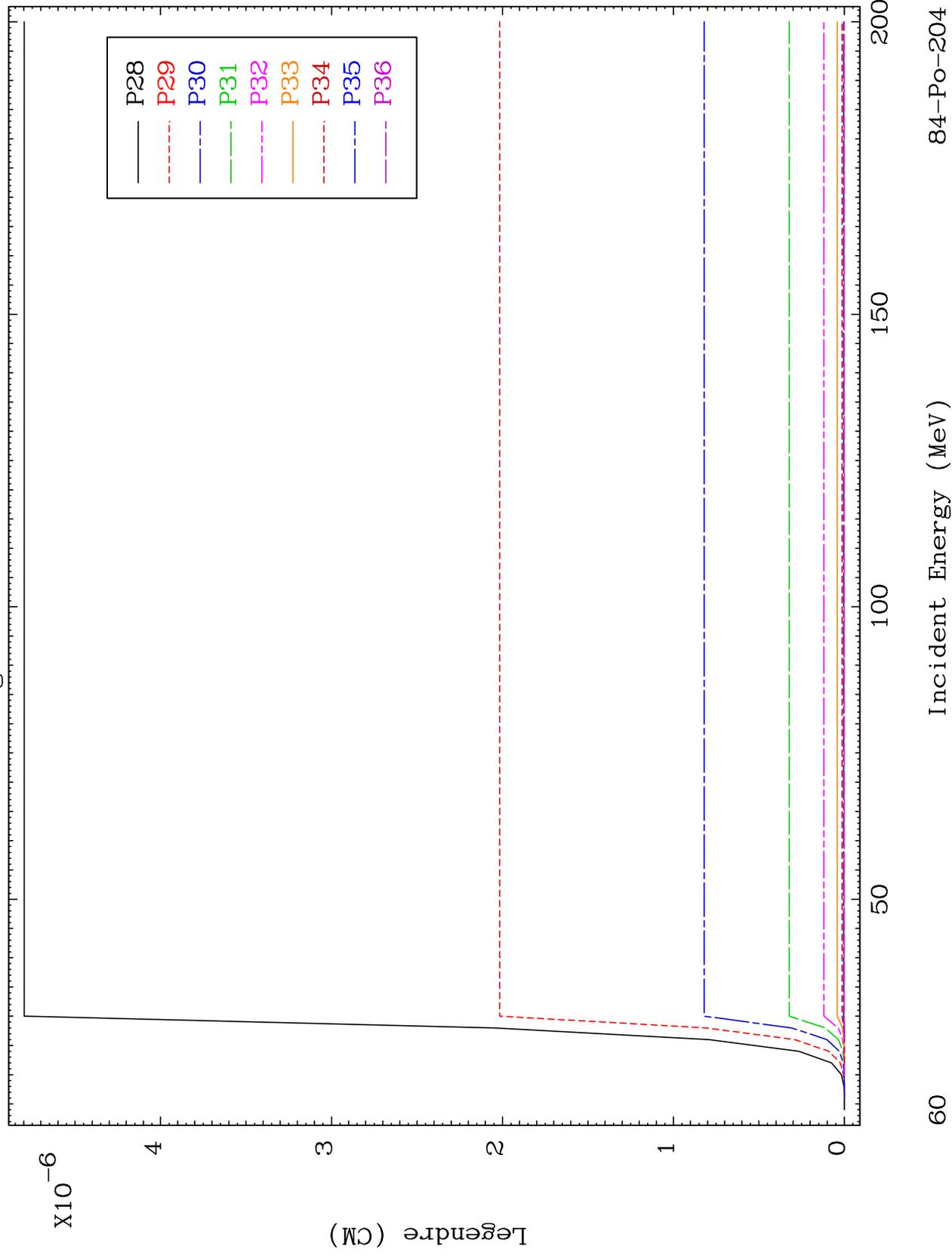
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84-Po-204

MAT 8419

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

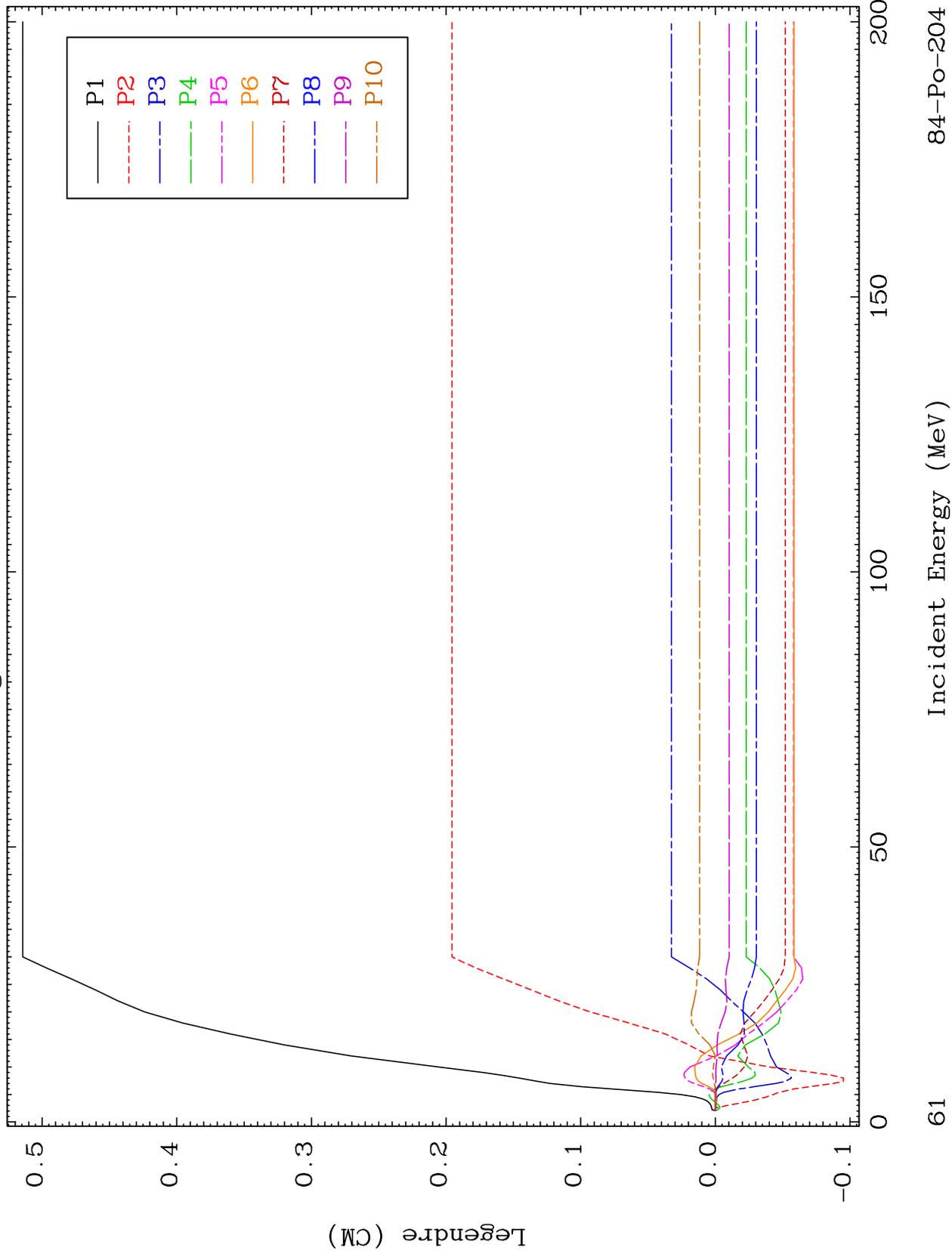
84-Po-204



MAT 8419

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

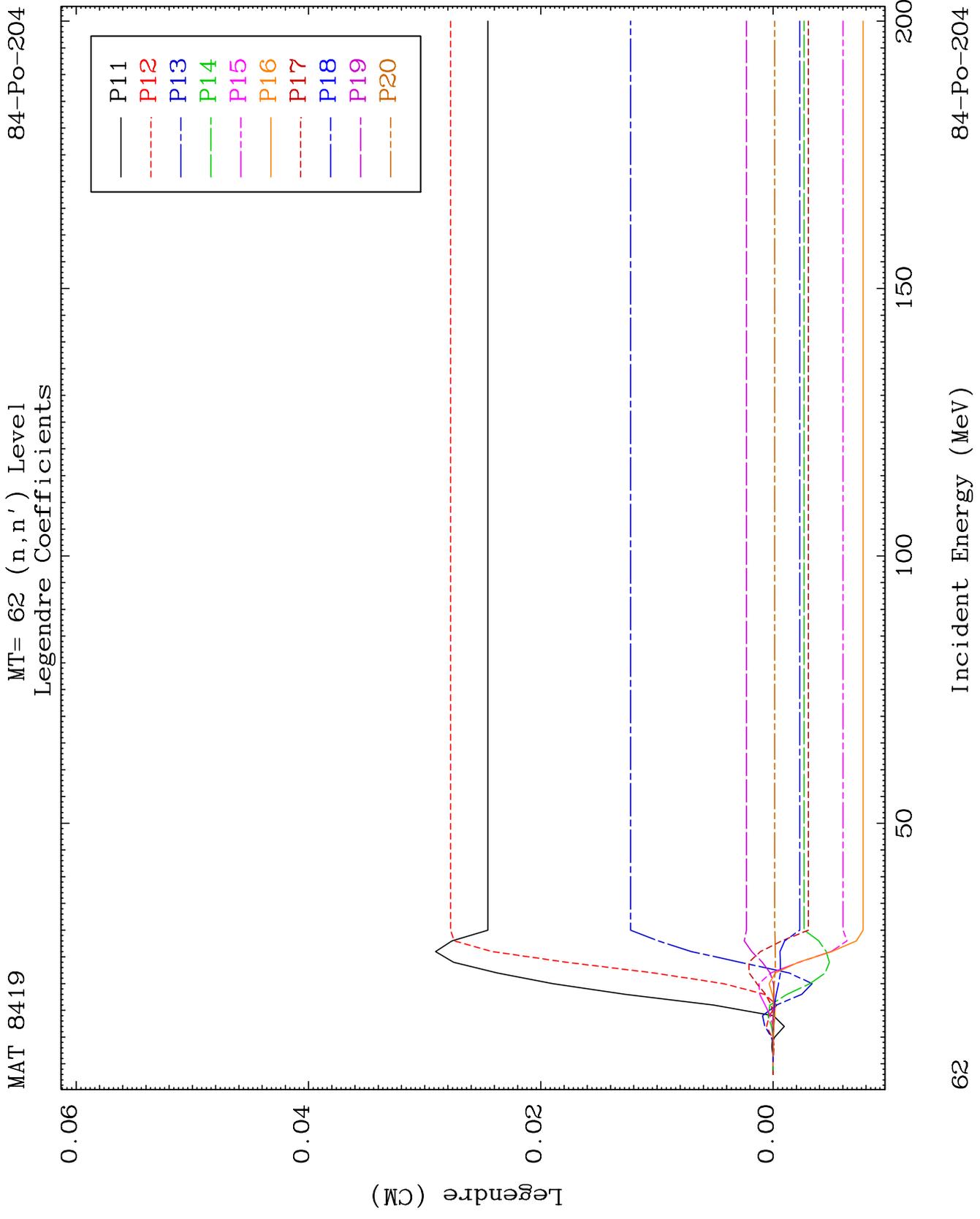
84-Po-204



84-Po-204

Incident Energy (MeV)

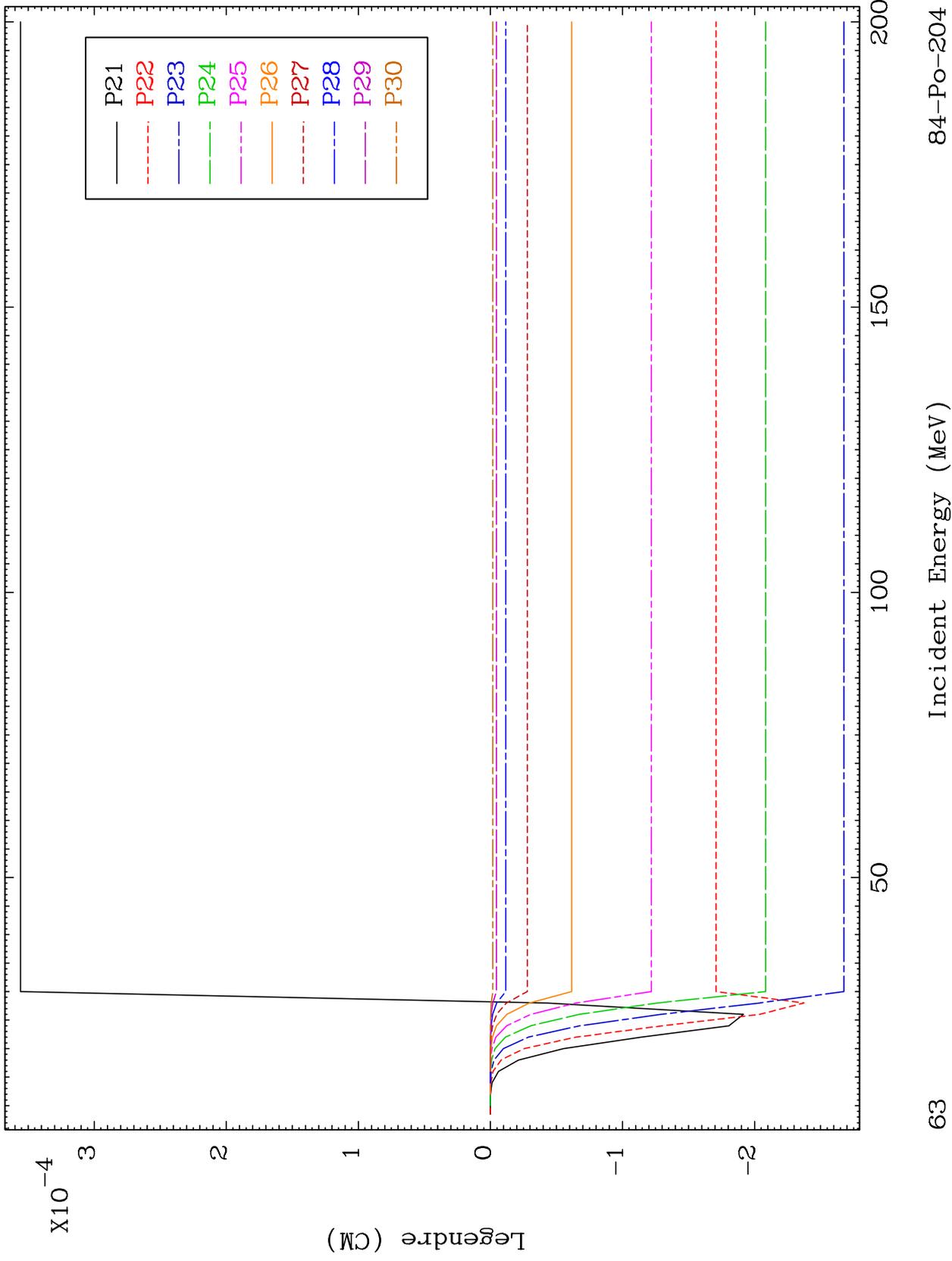
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MAT 8419

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

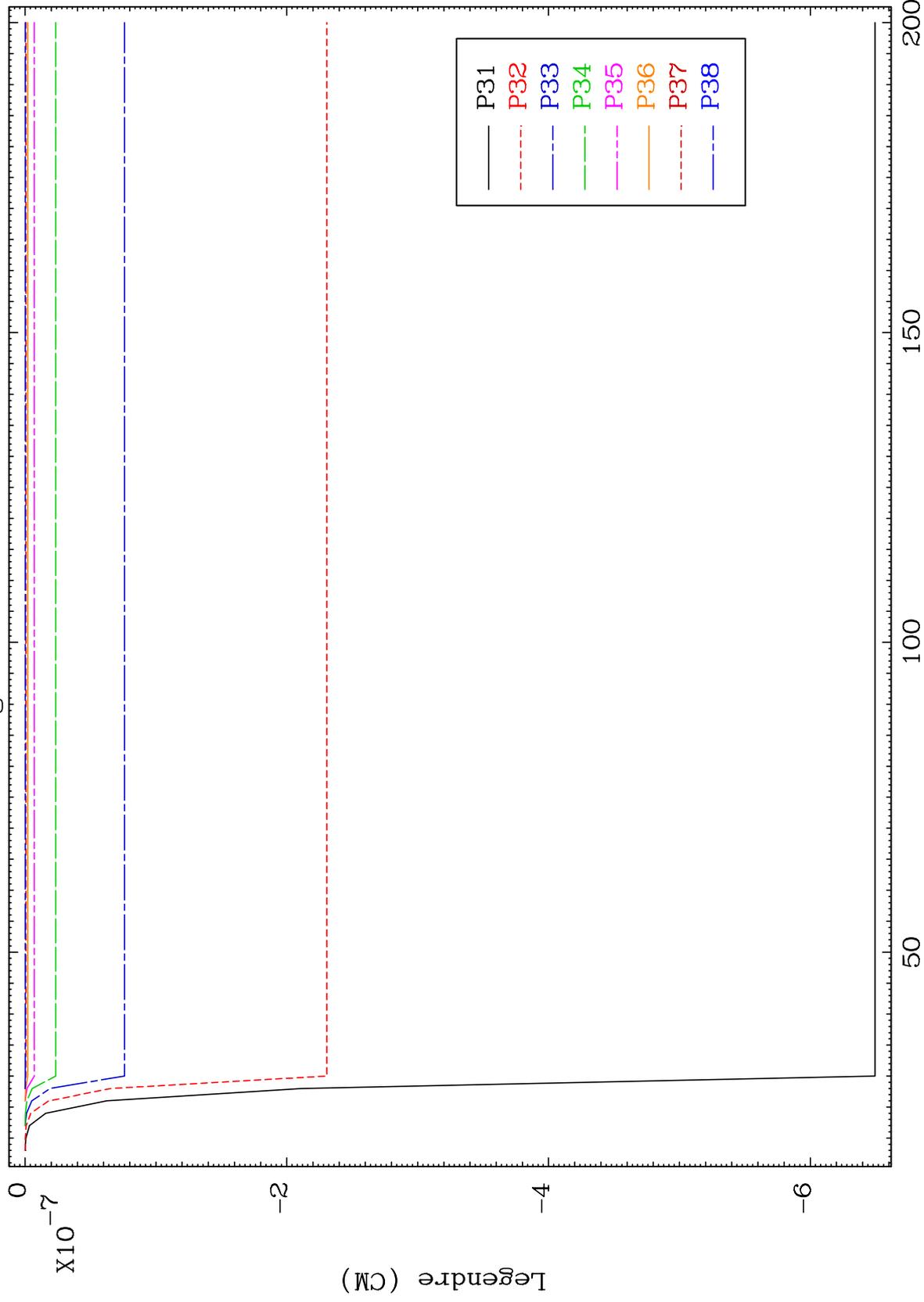
84-Po-204



MAT 8419

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

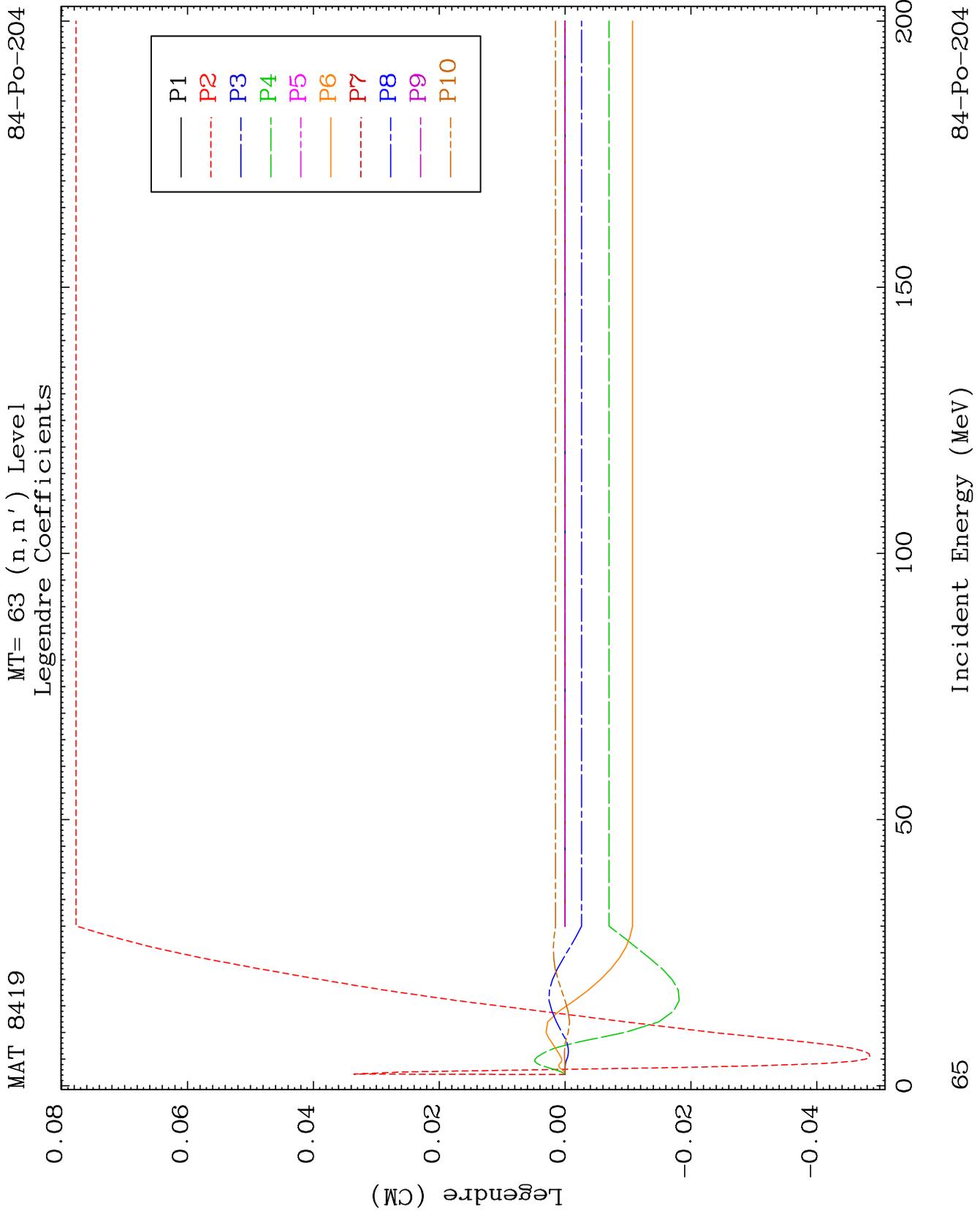
84-Po-204

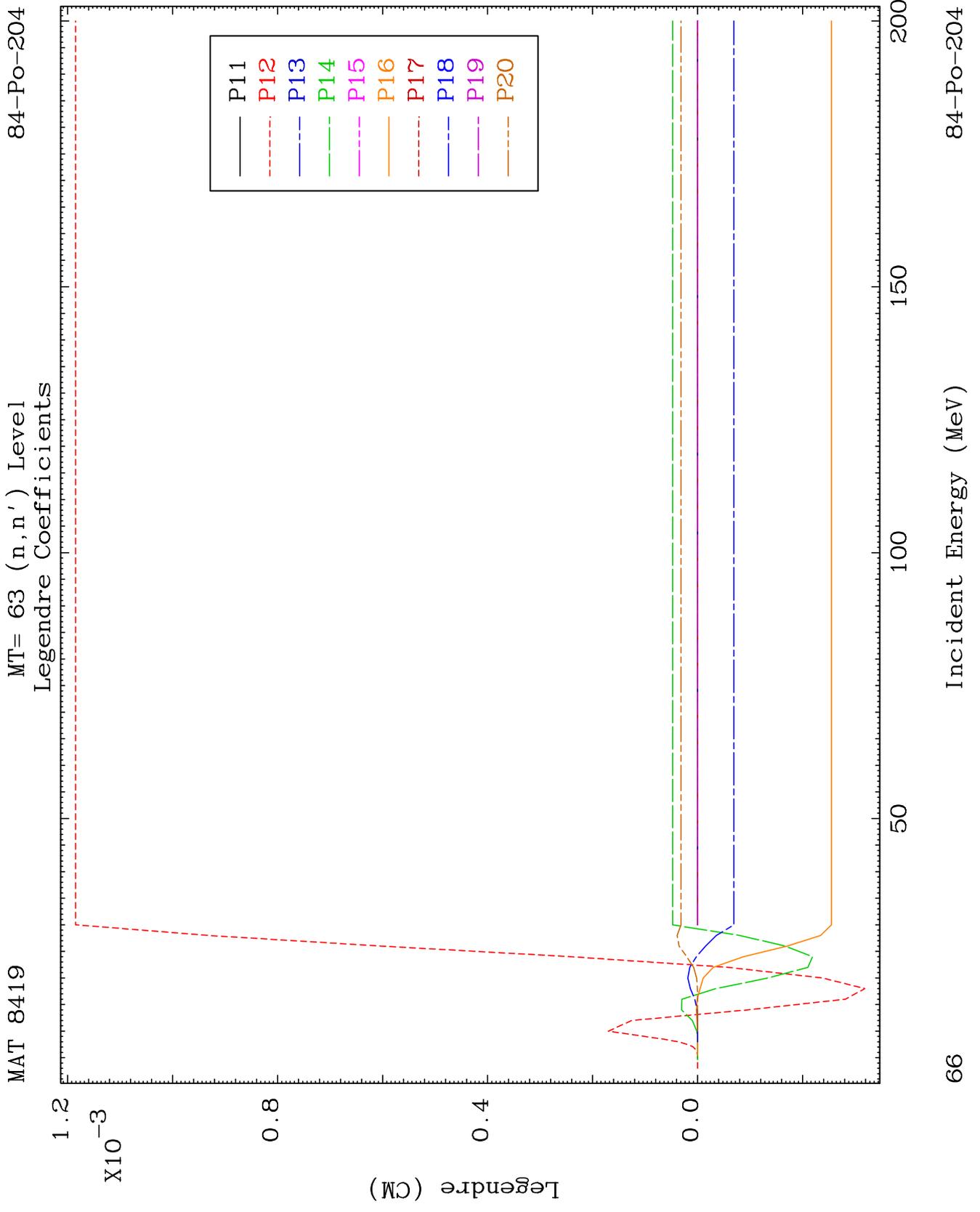


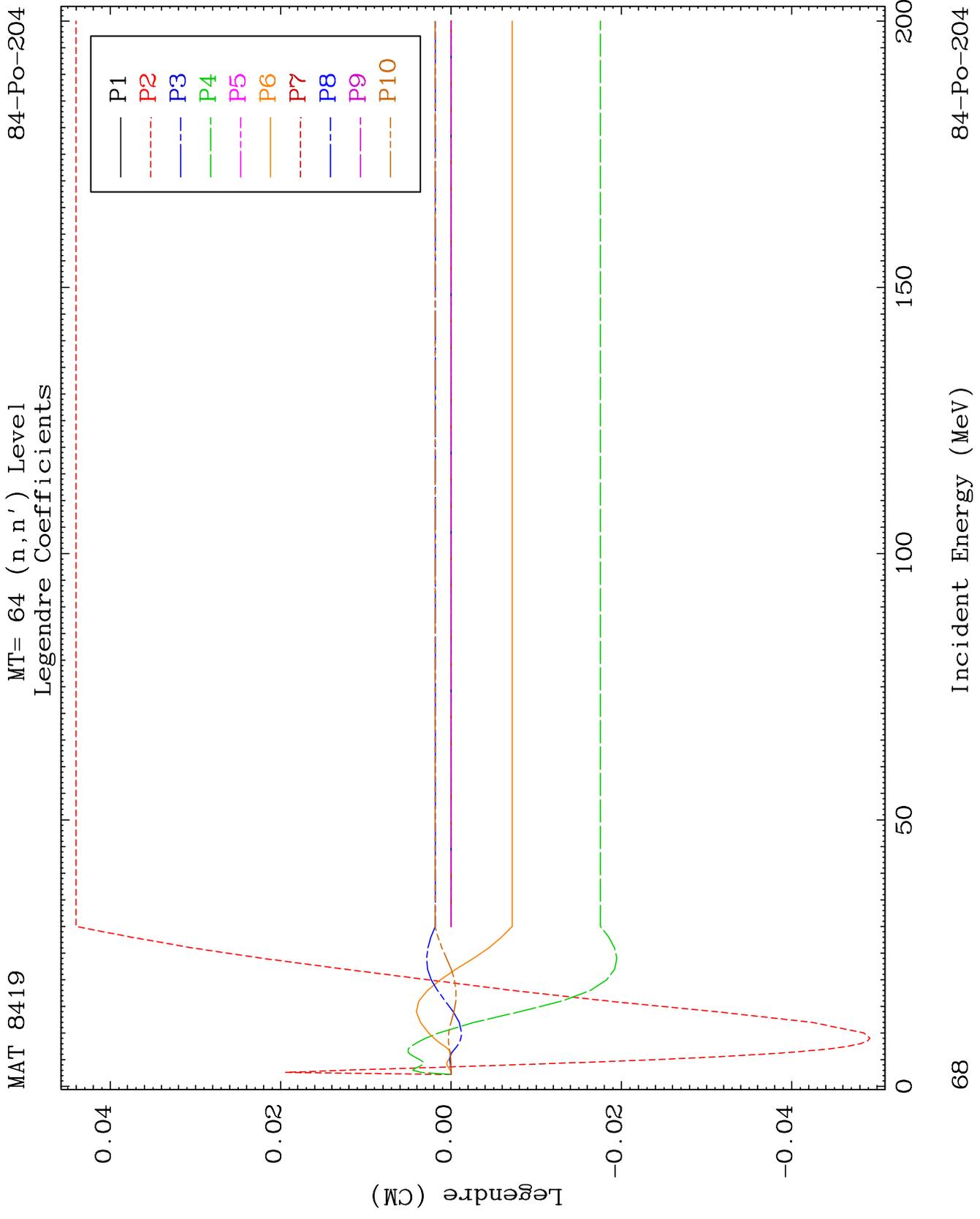
64

Incident Energy (MeV)

84-Po-204



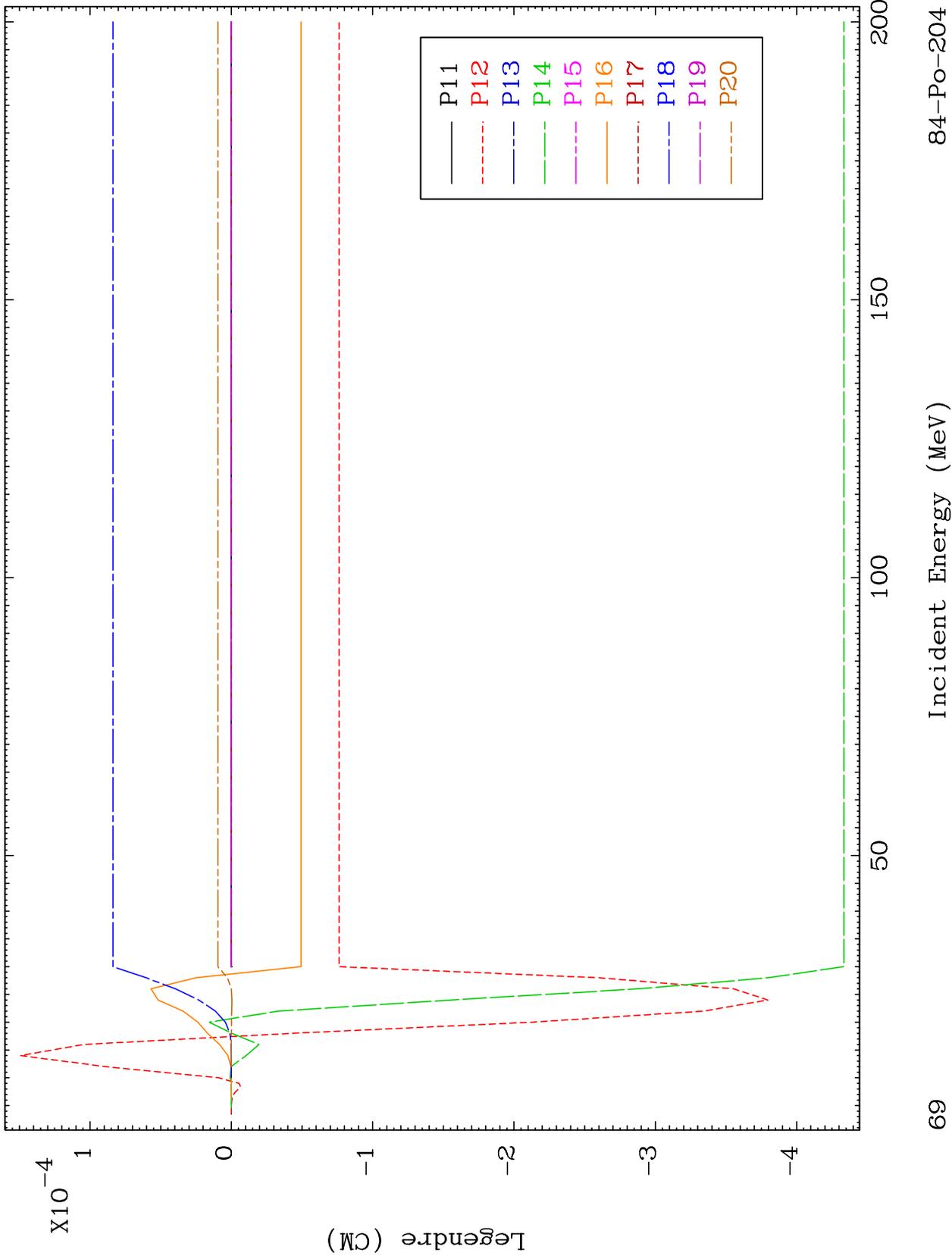




MAT 8419

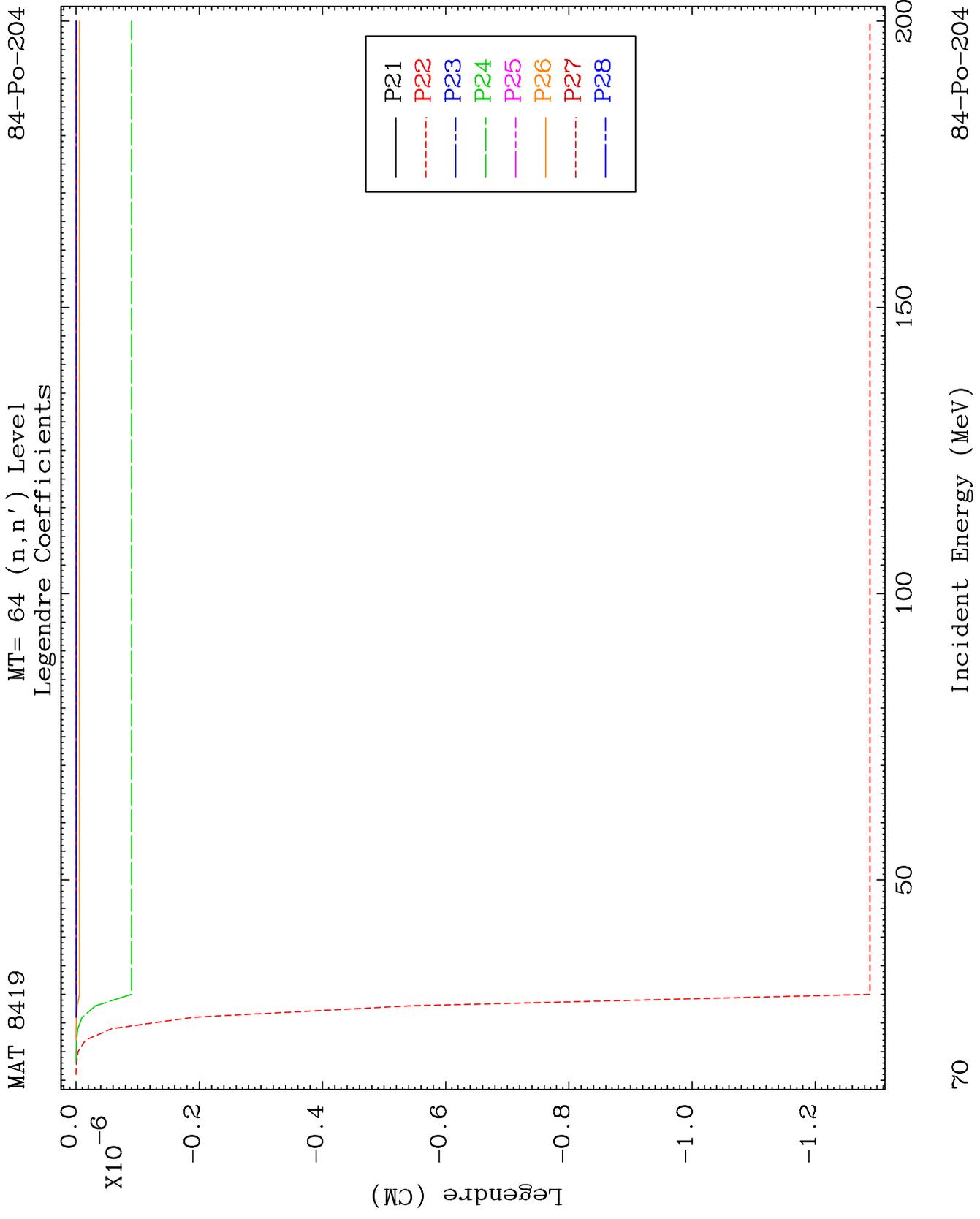
MT= 64 (n,n') Level
Legendre Coefficients

84-Po-204



69

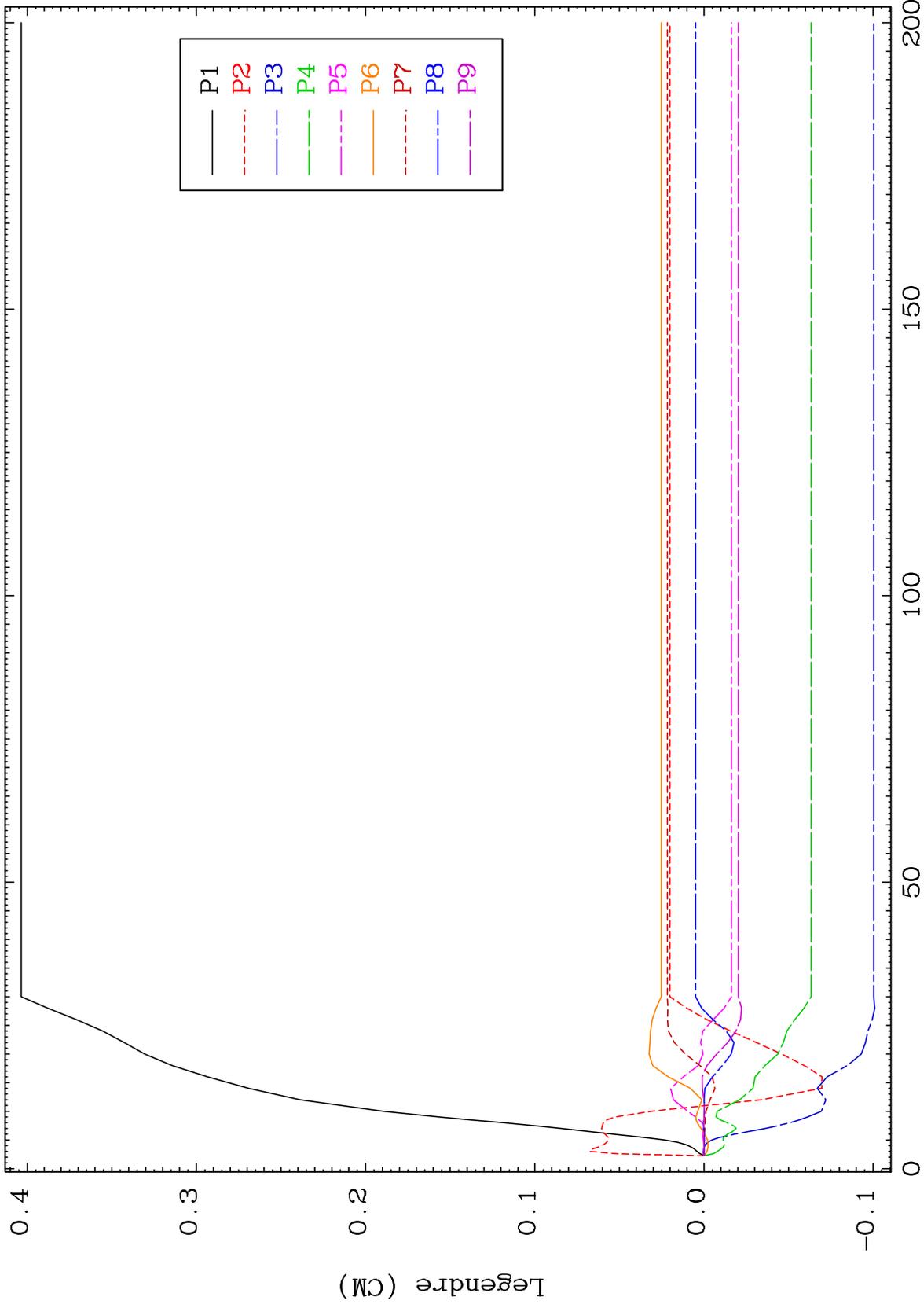
84-Po-204



MAT 8419

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

84-Po-204



71

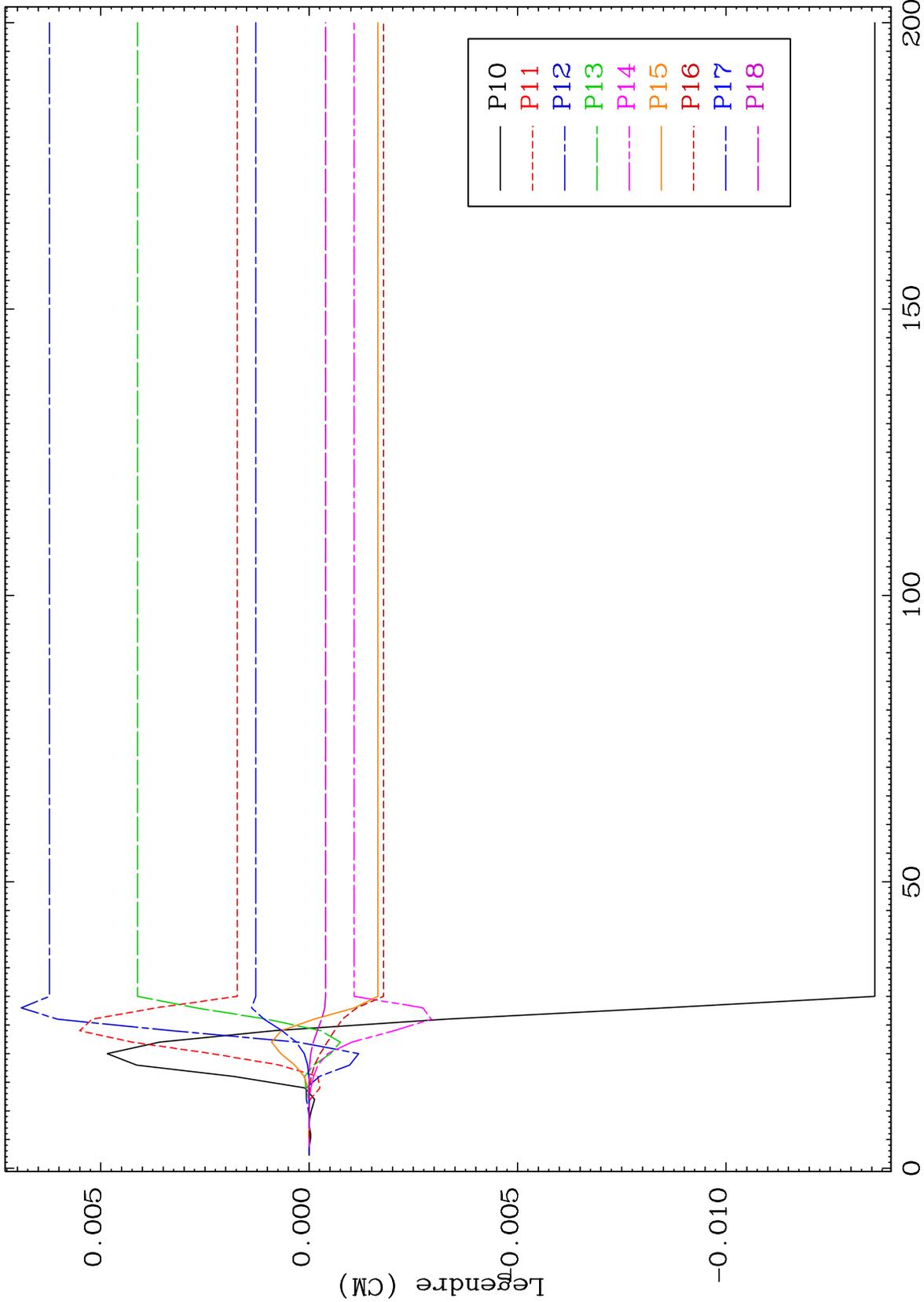
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



72

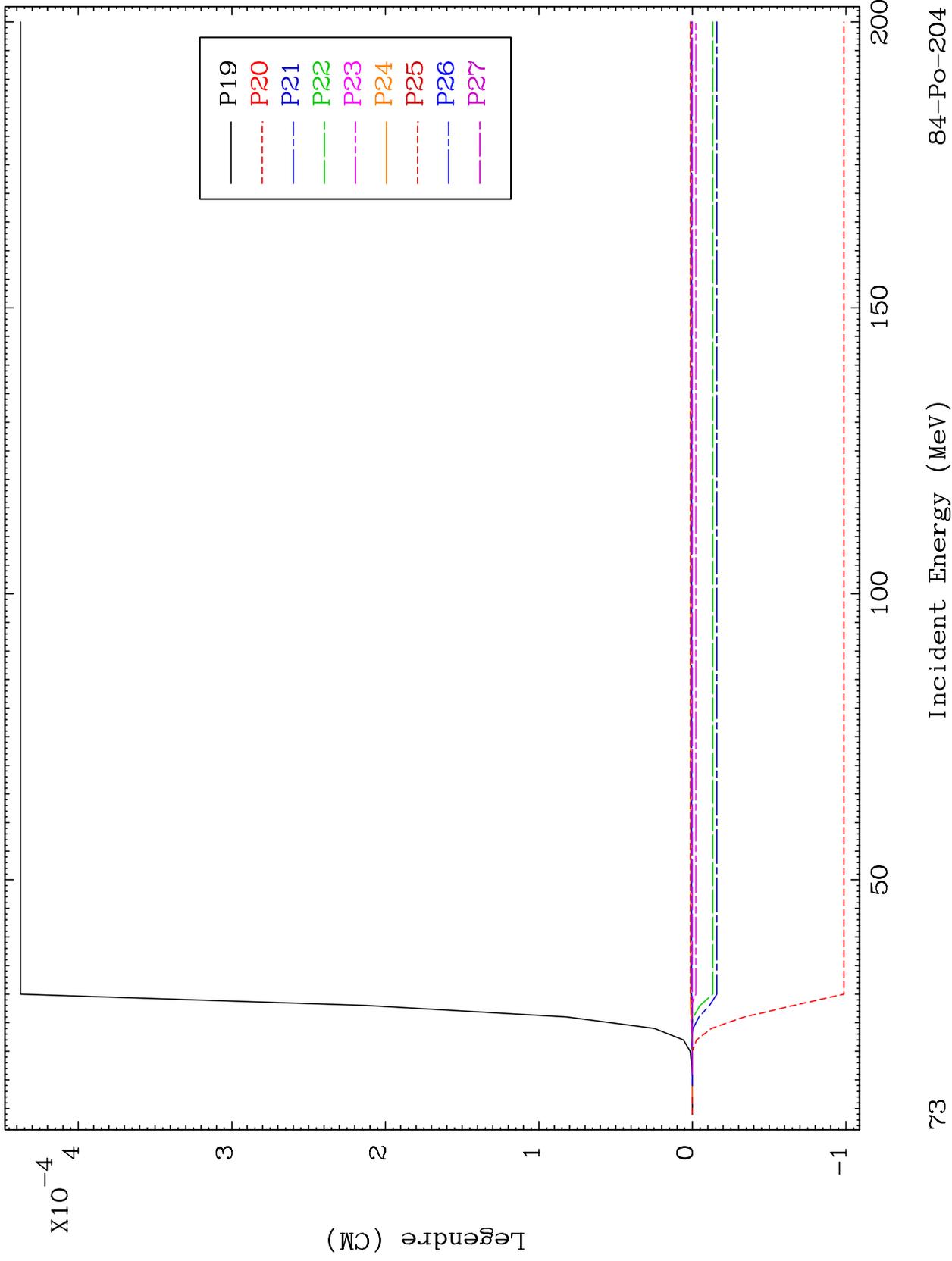
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



73

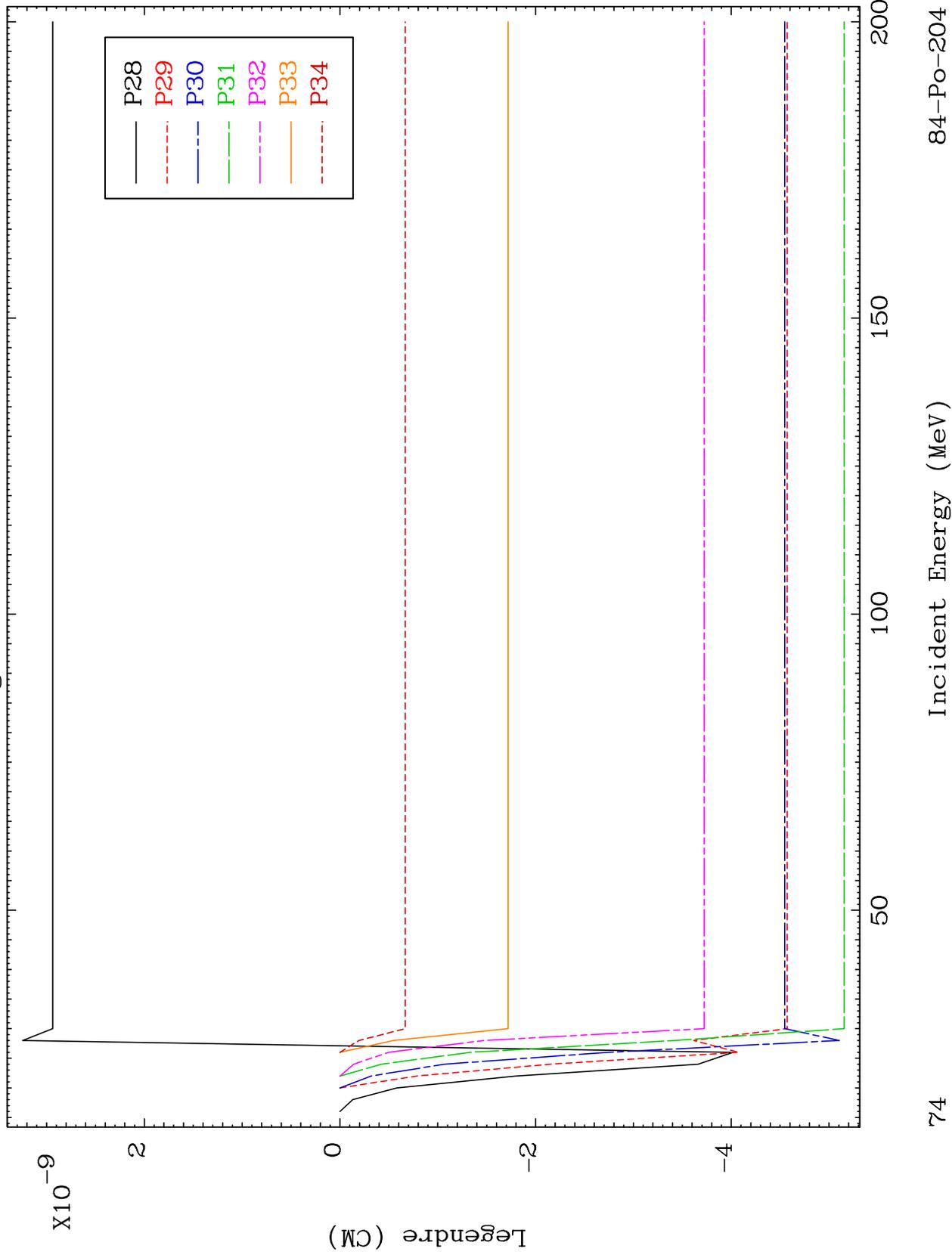
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

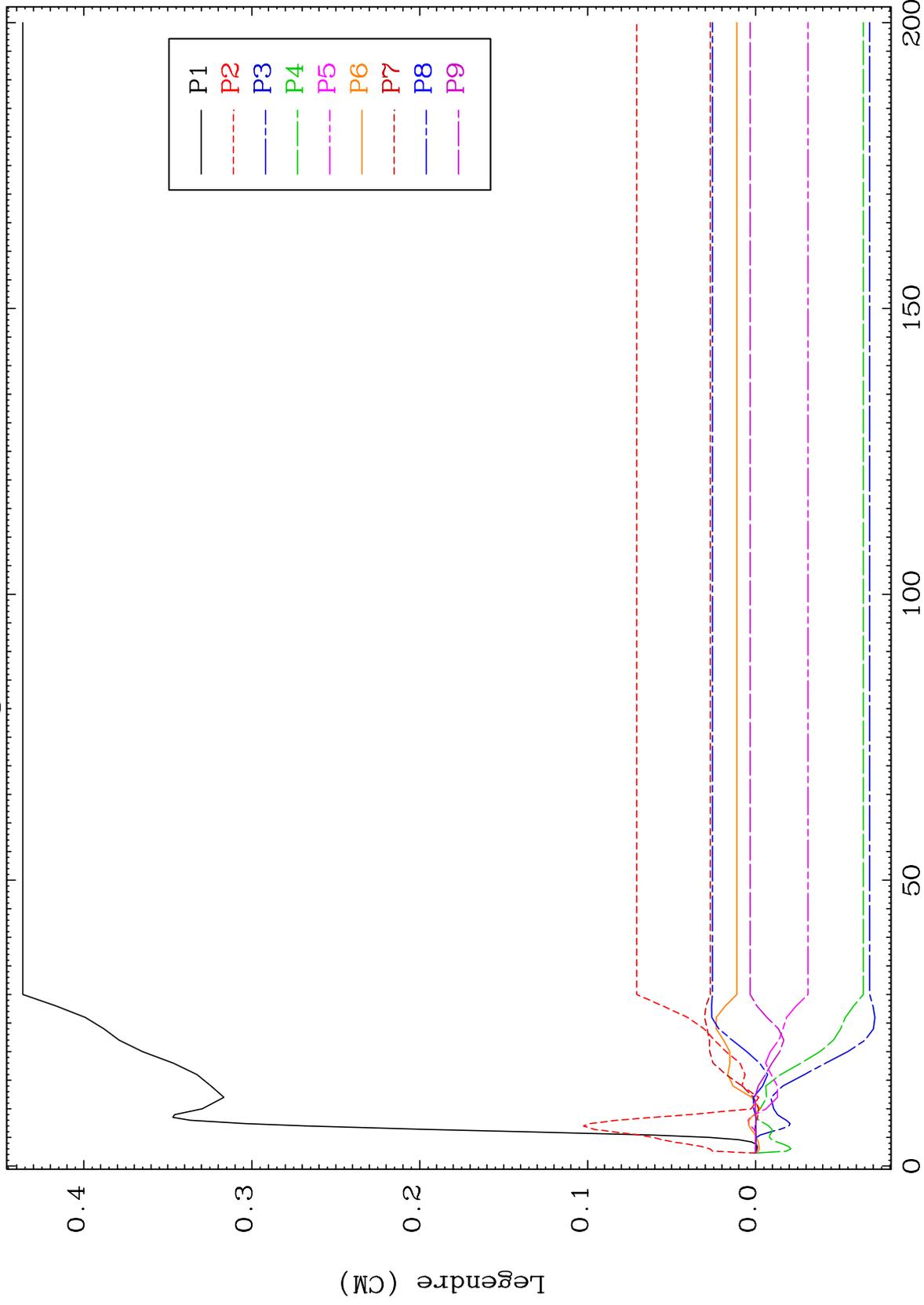
MT= 65 (n,n') Level
Legendre Coefficients



MAT 8419

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

84-Po-204



75

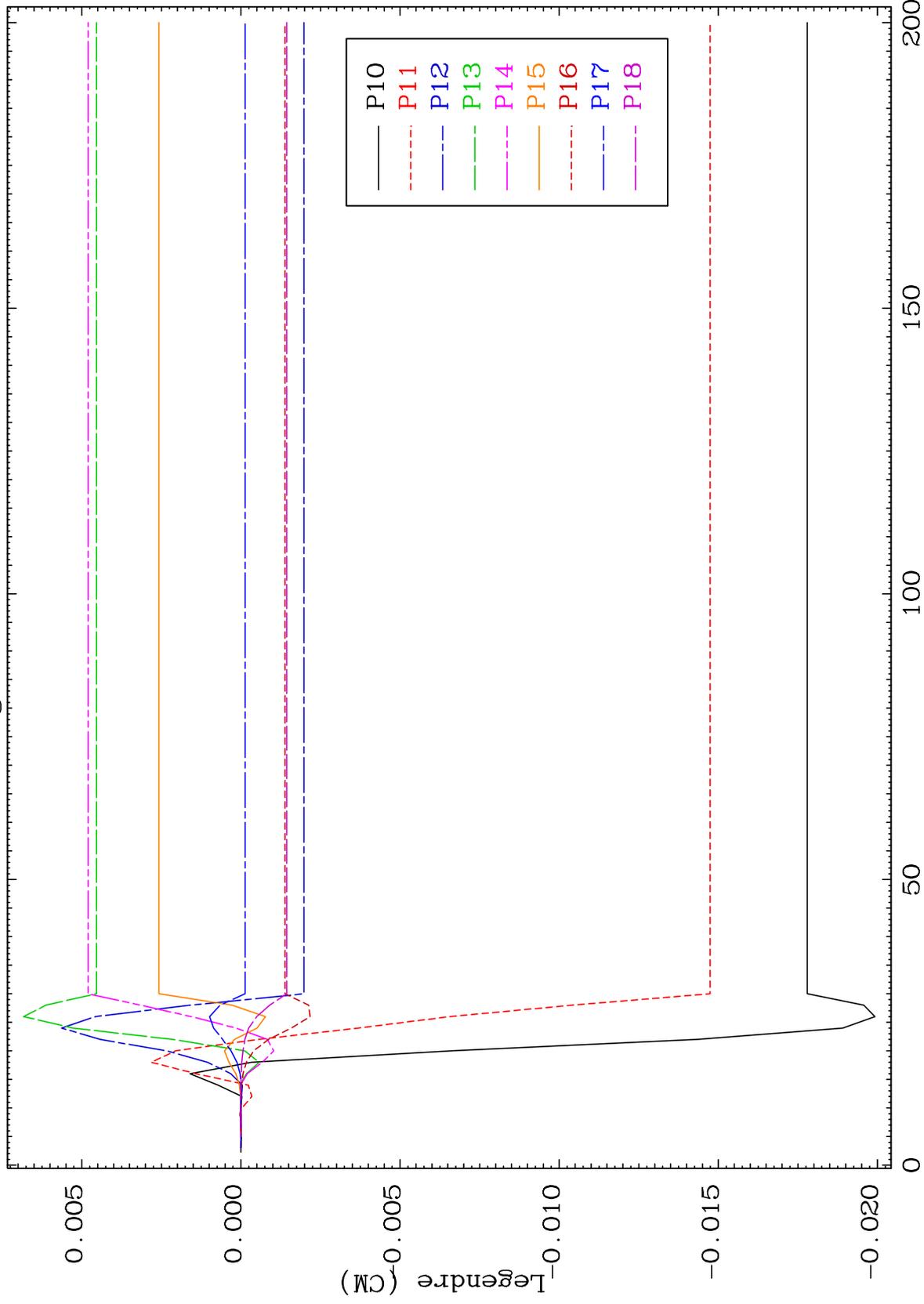
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



76

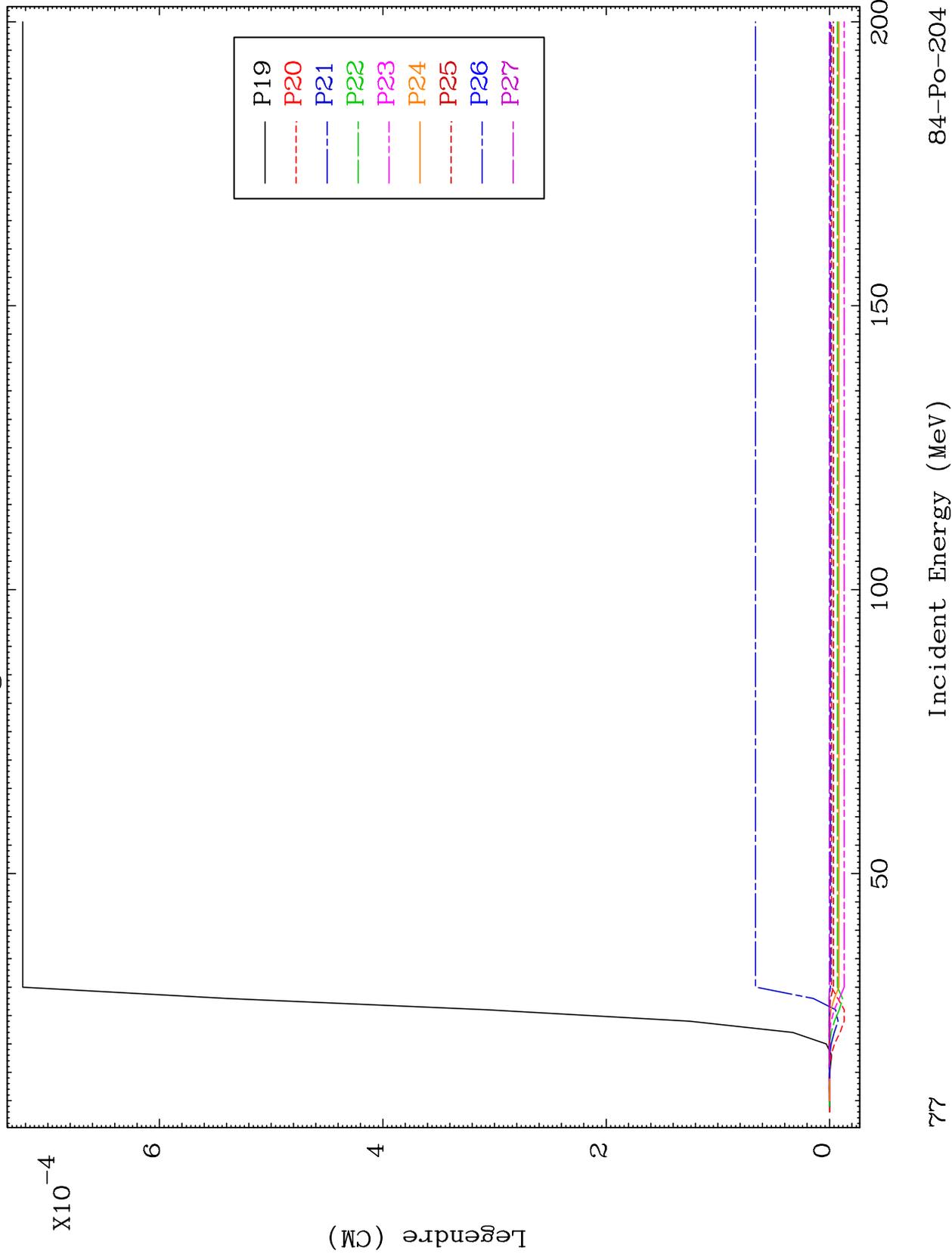
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



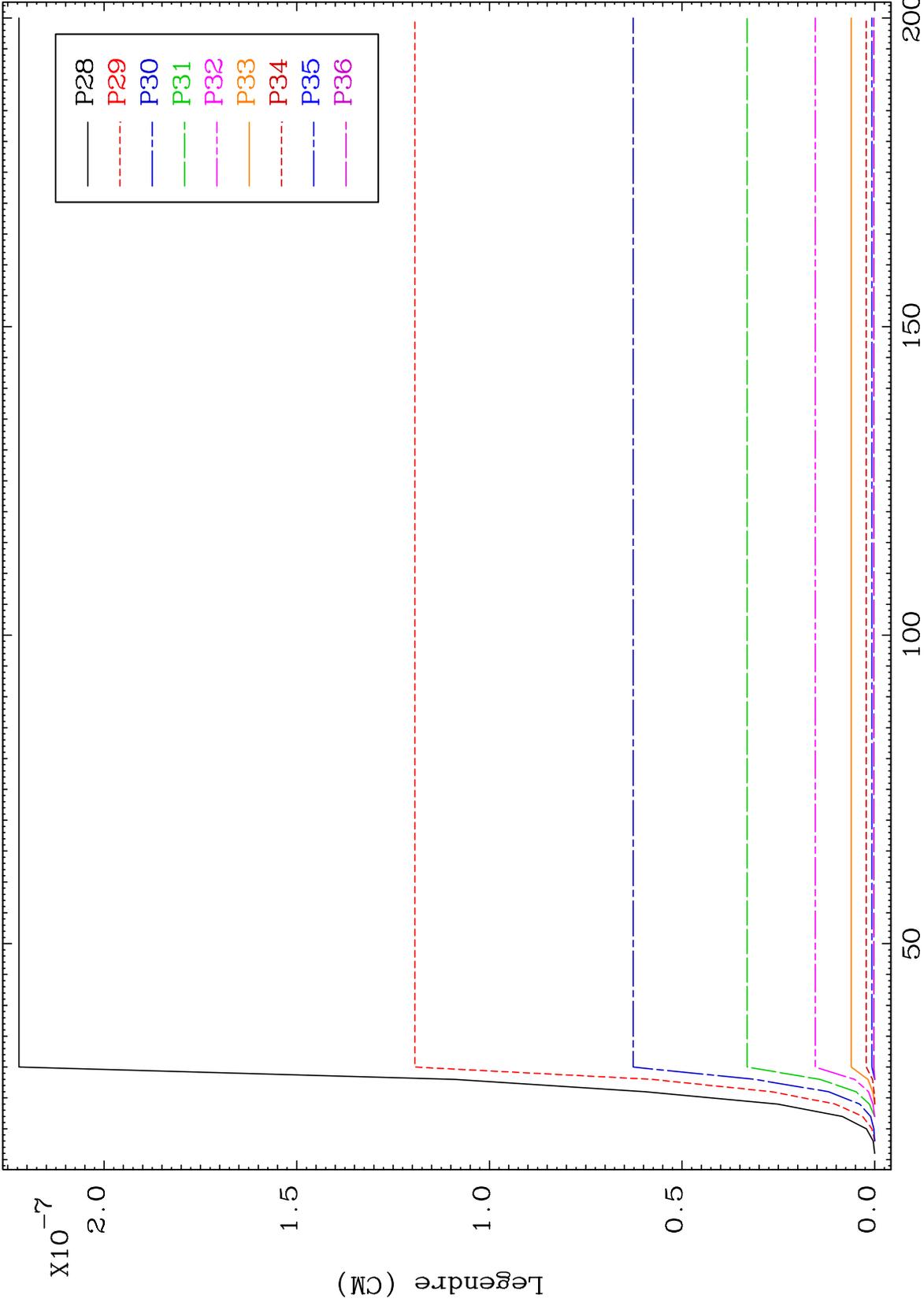
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84-Po-204

MAT 8419

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

84-Po-204



78

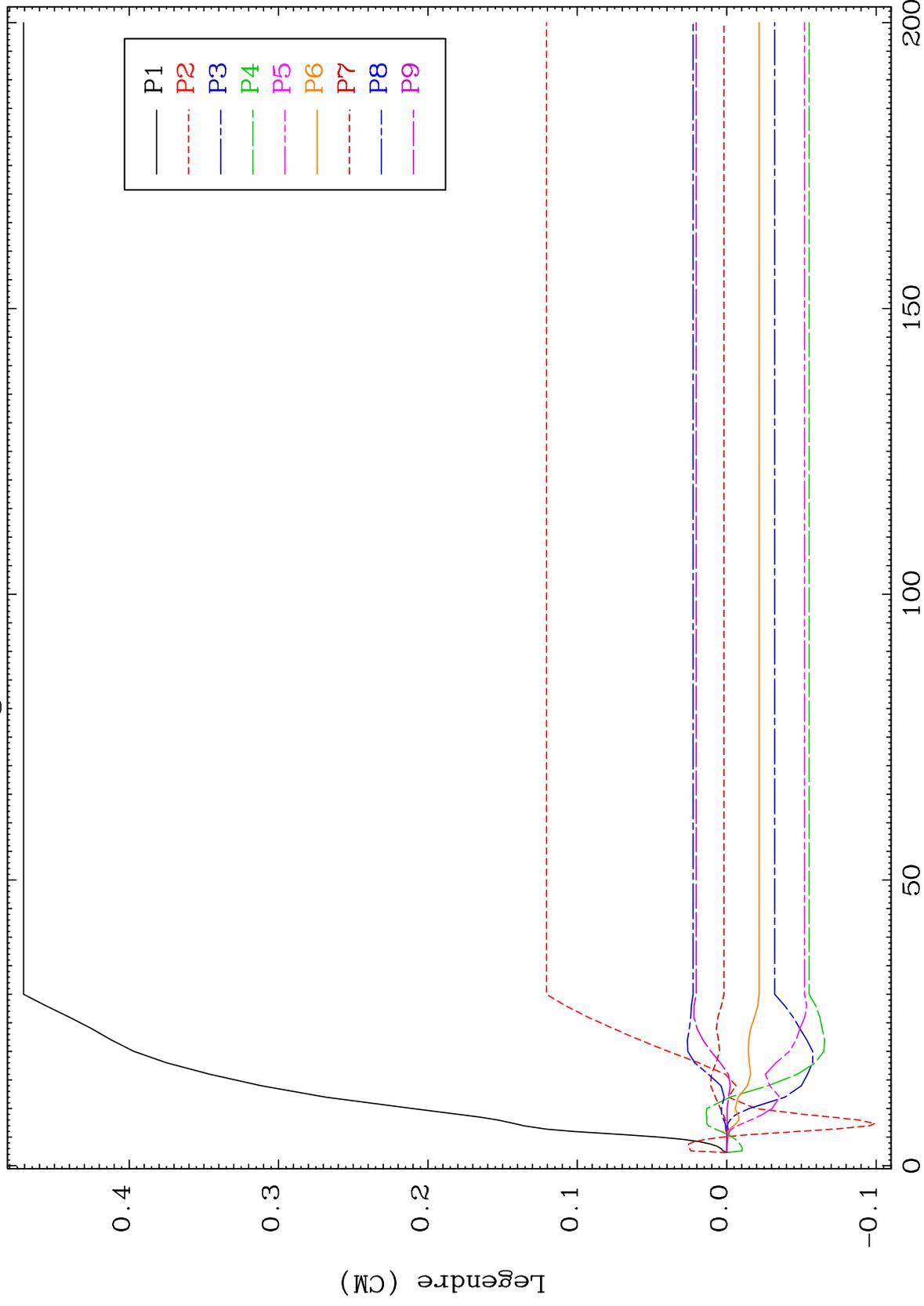
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



79

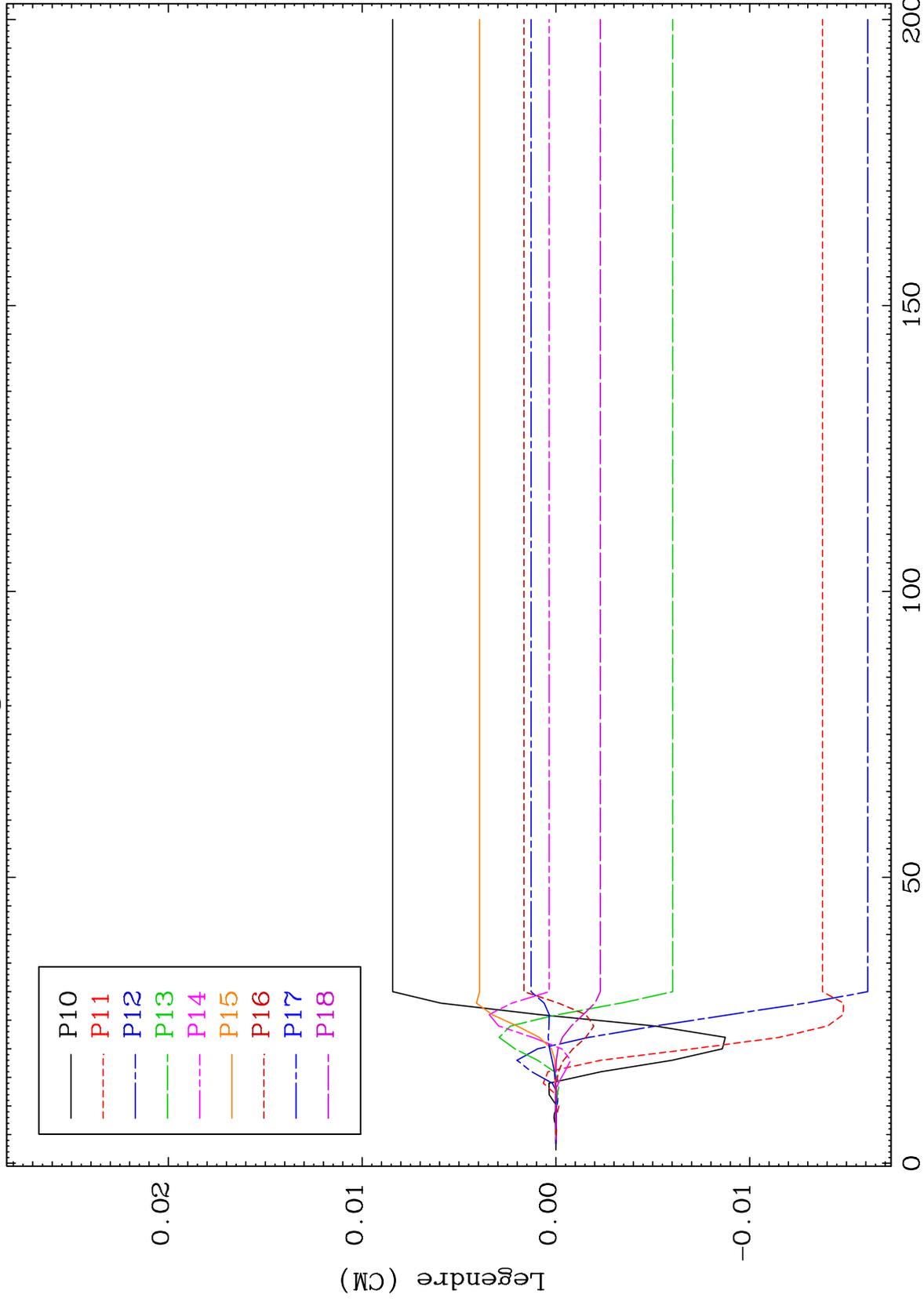
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



80

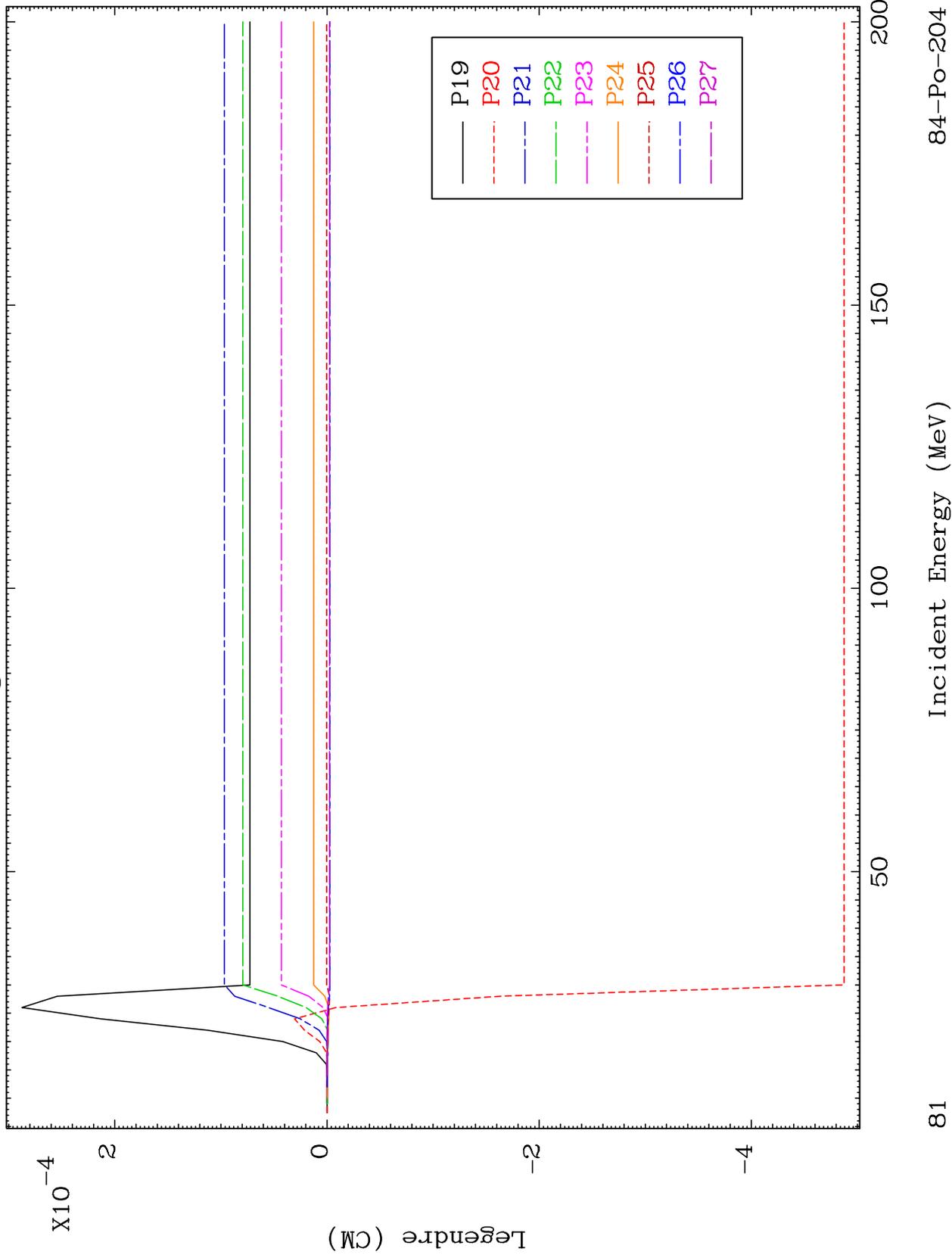
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

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



81

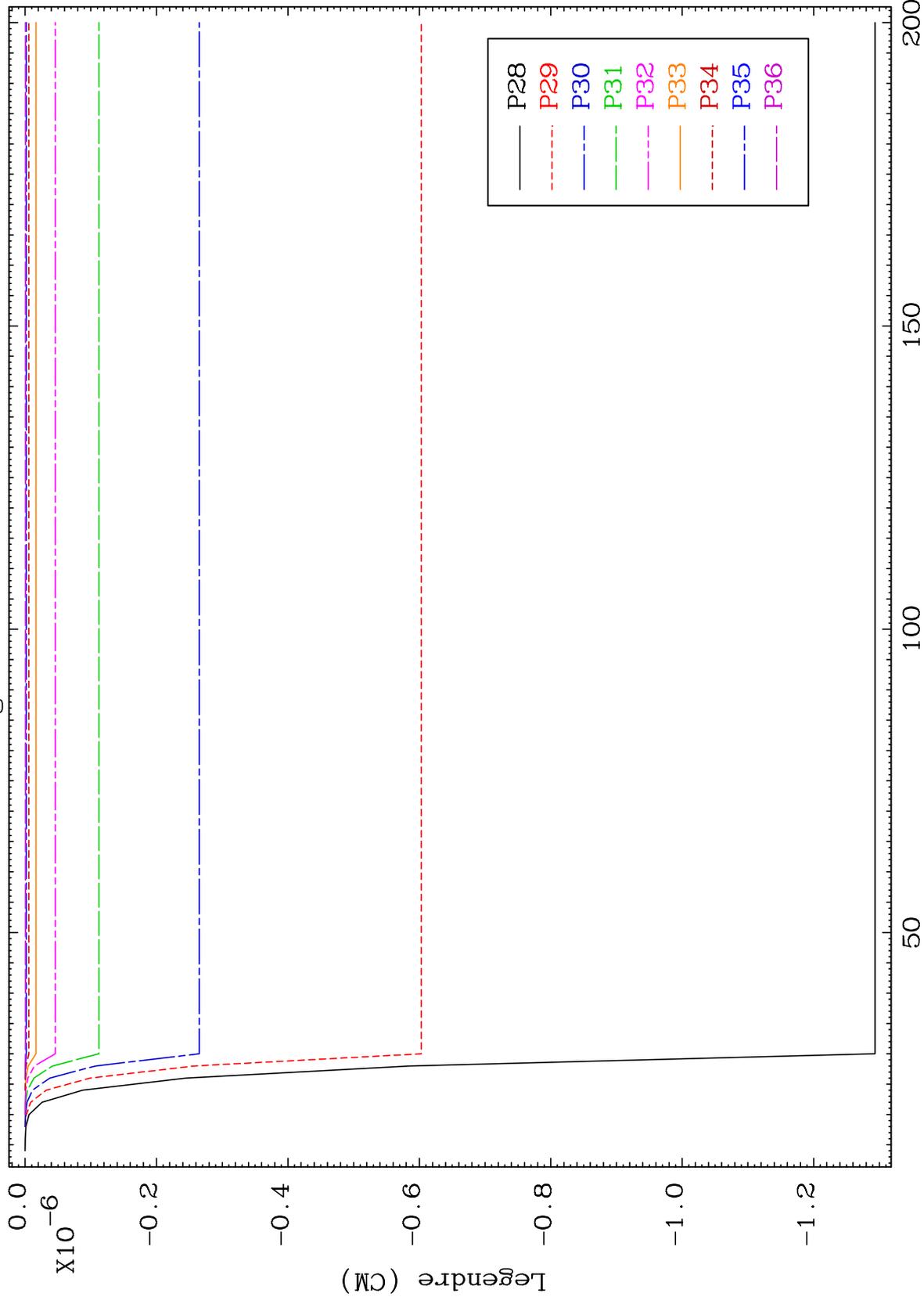
Incident Energy (MeV)

84-Po-204

MAT 8419

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

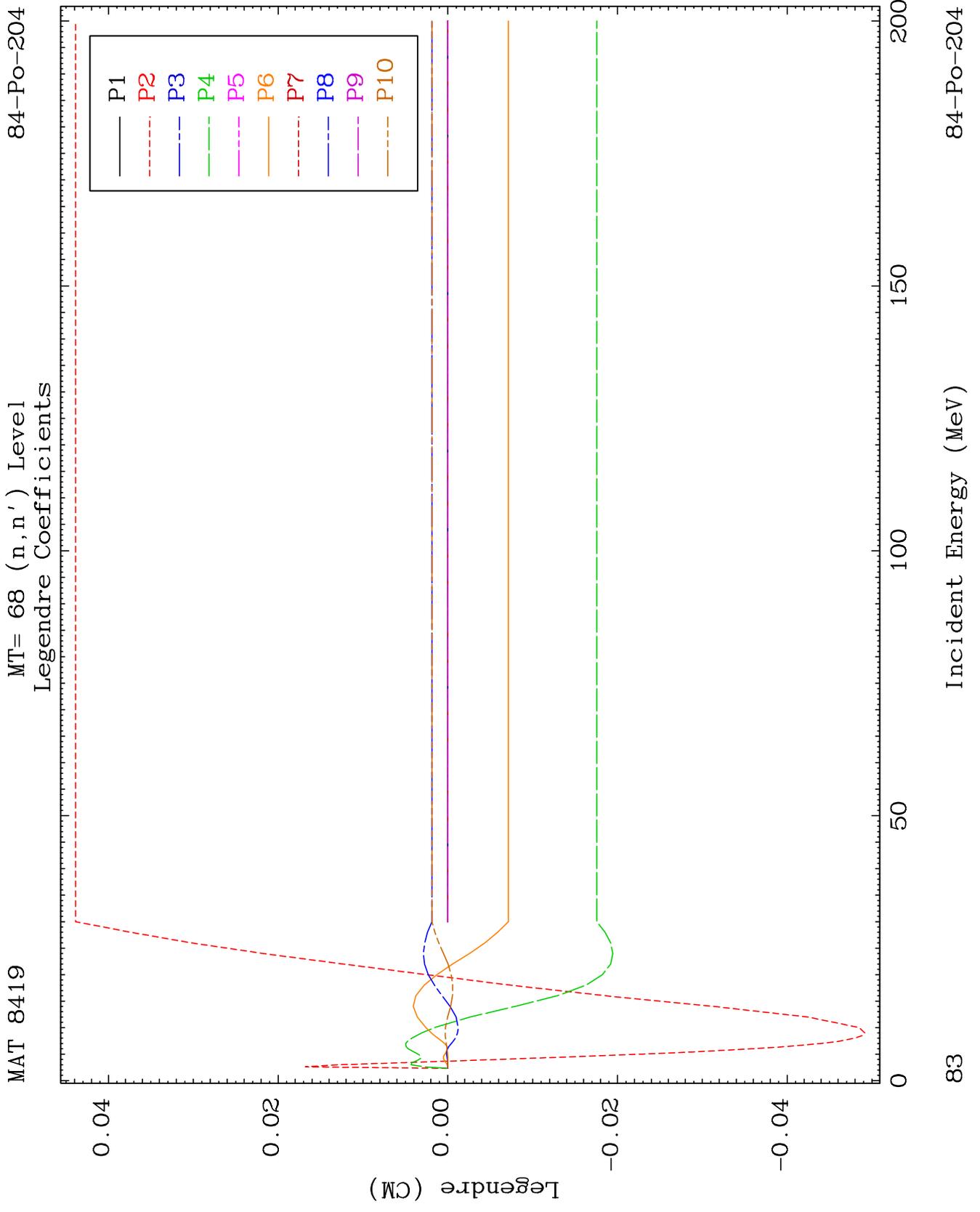
84-Po-204



82

Incident Energy (MeV)

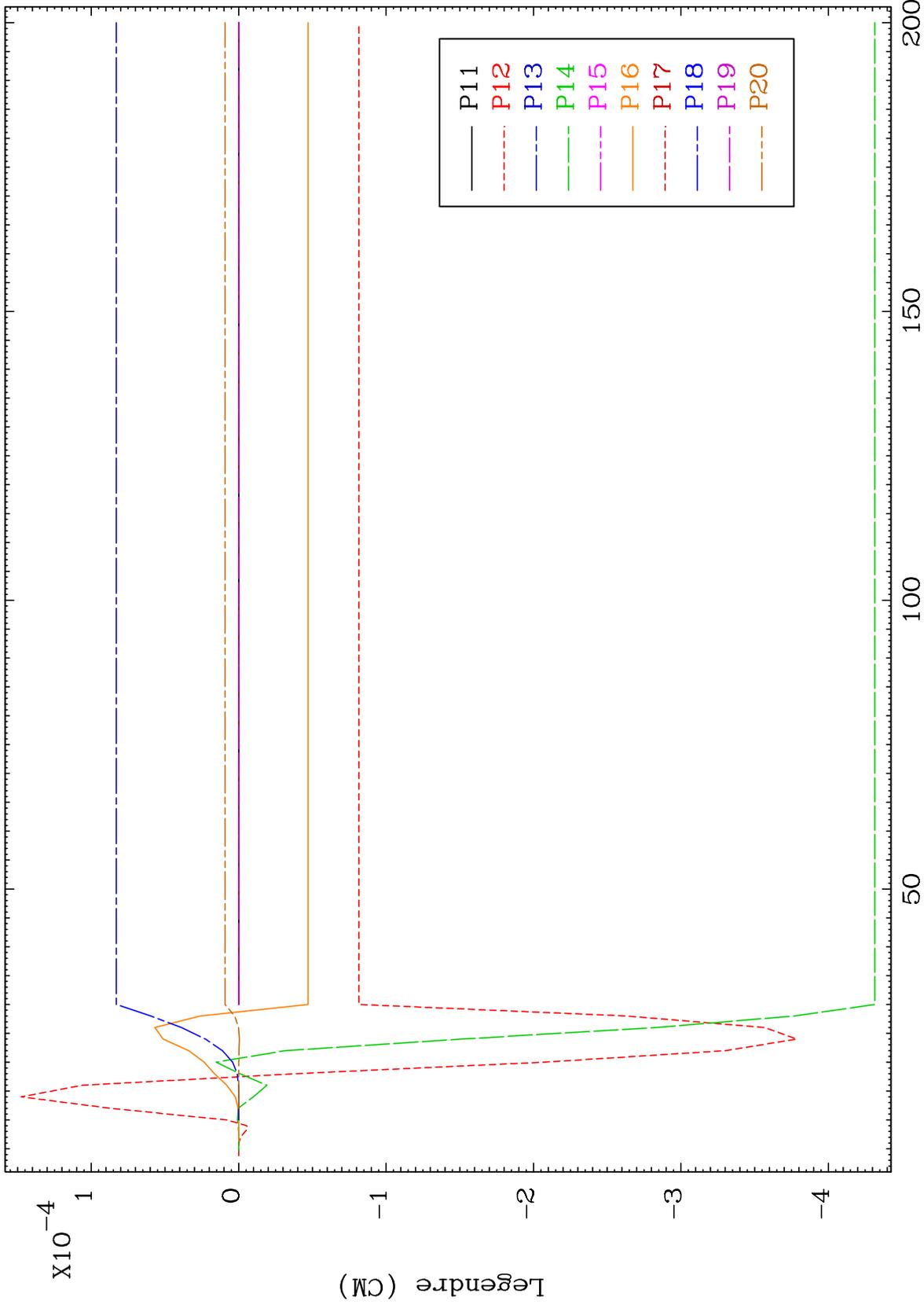
84-Po-204



MAT 8419

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

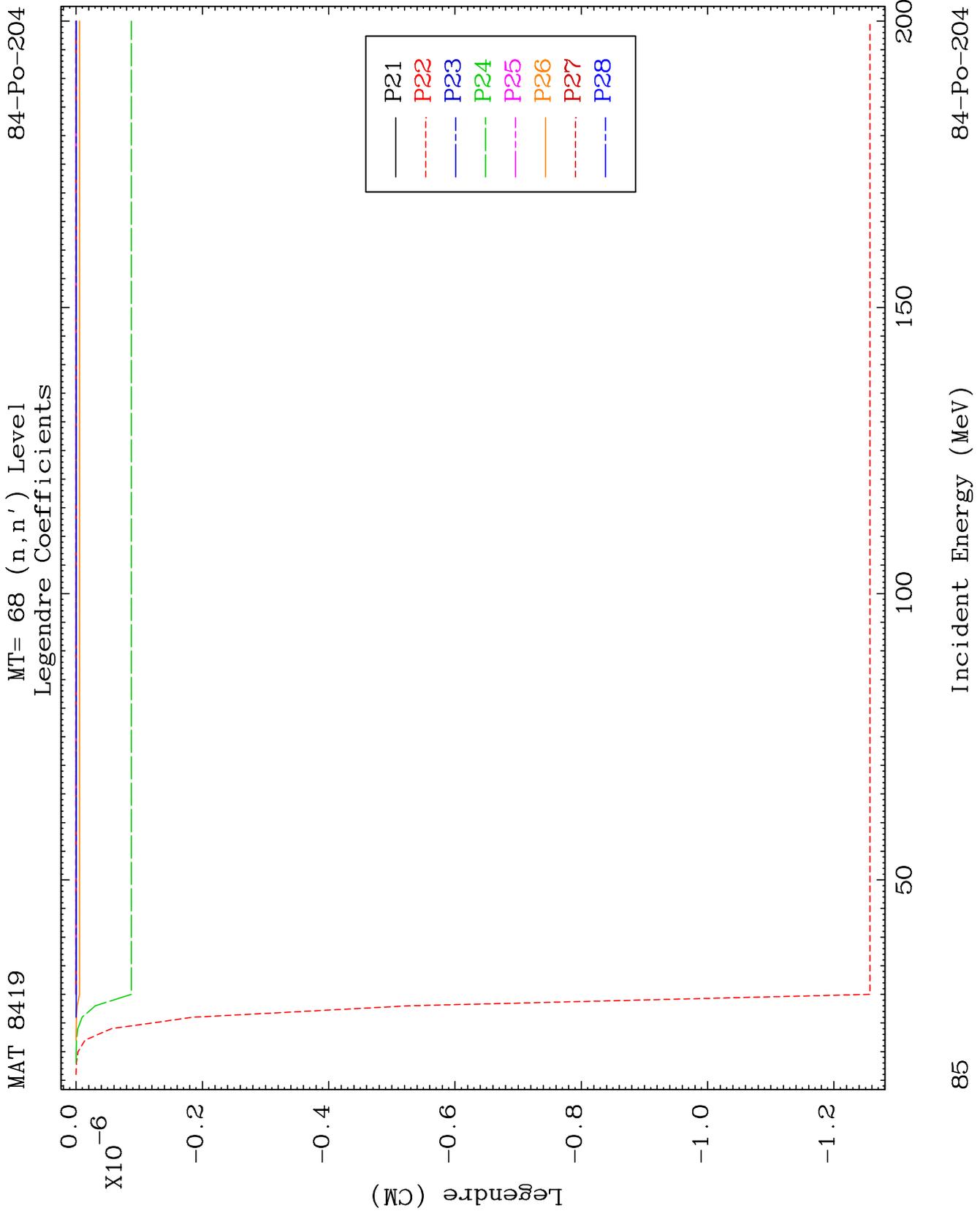
84-Po-204



84

Incident Energy (MeV)

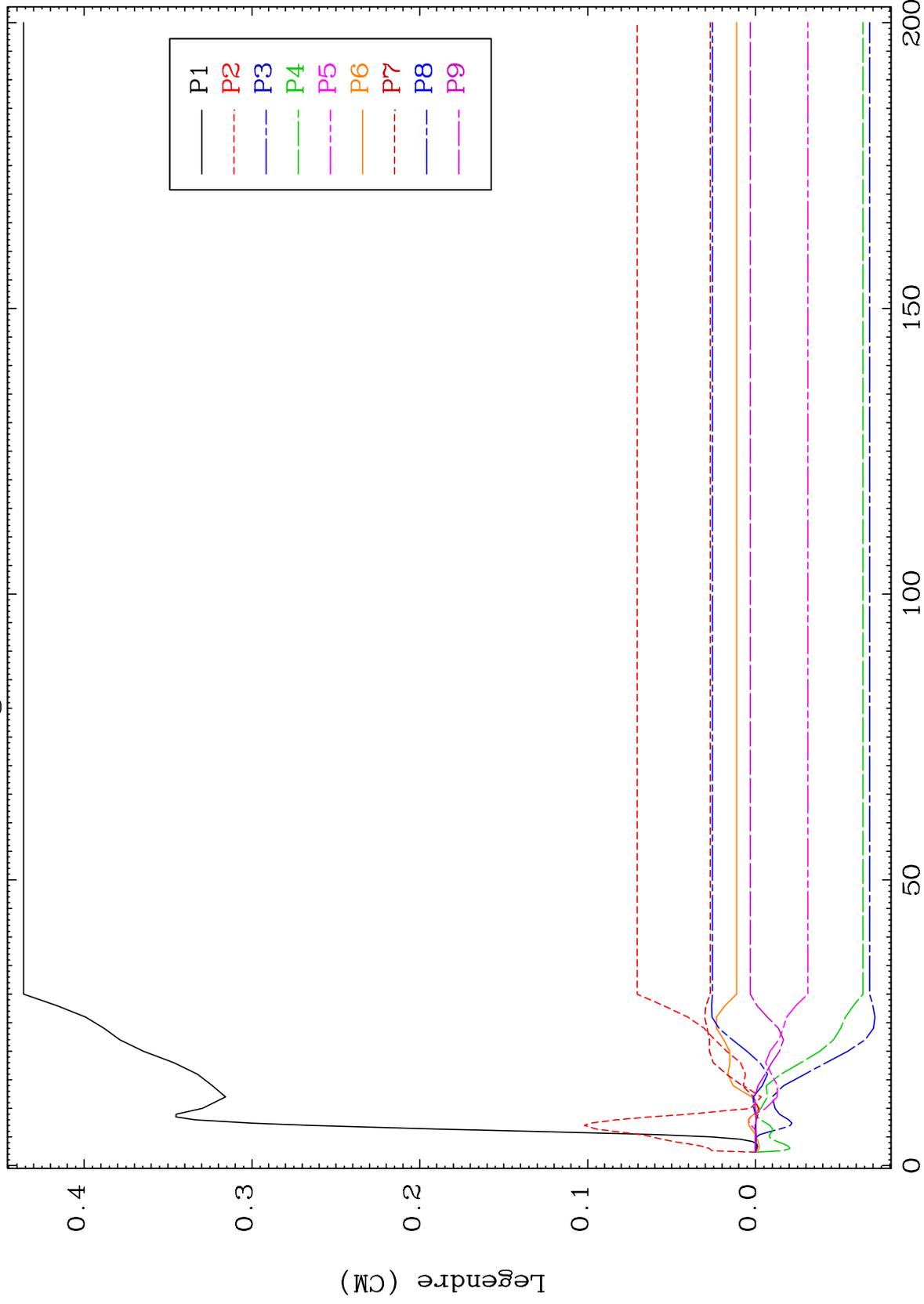
84-Po-204



MAT 8419

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

84-Po-204



86

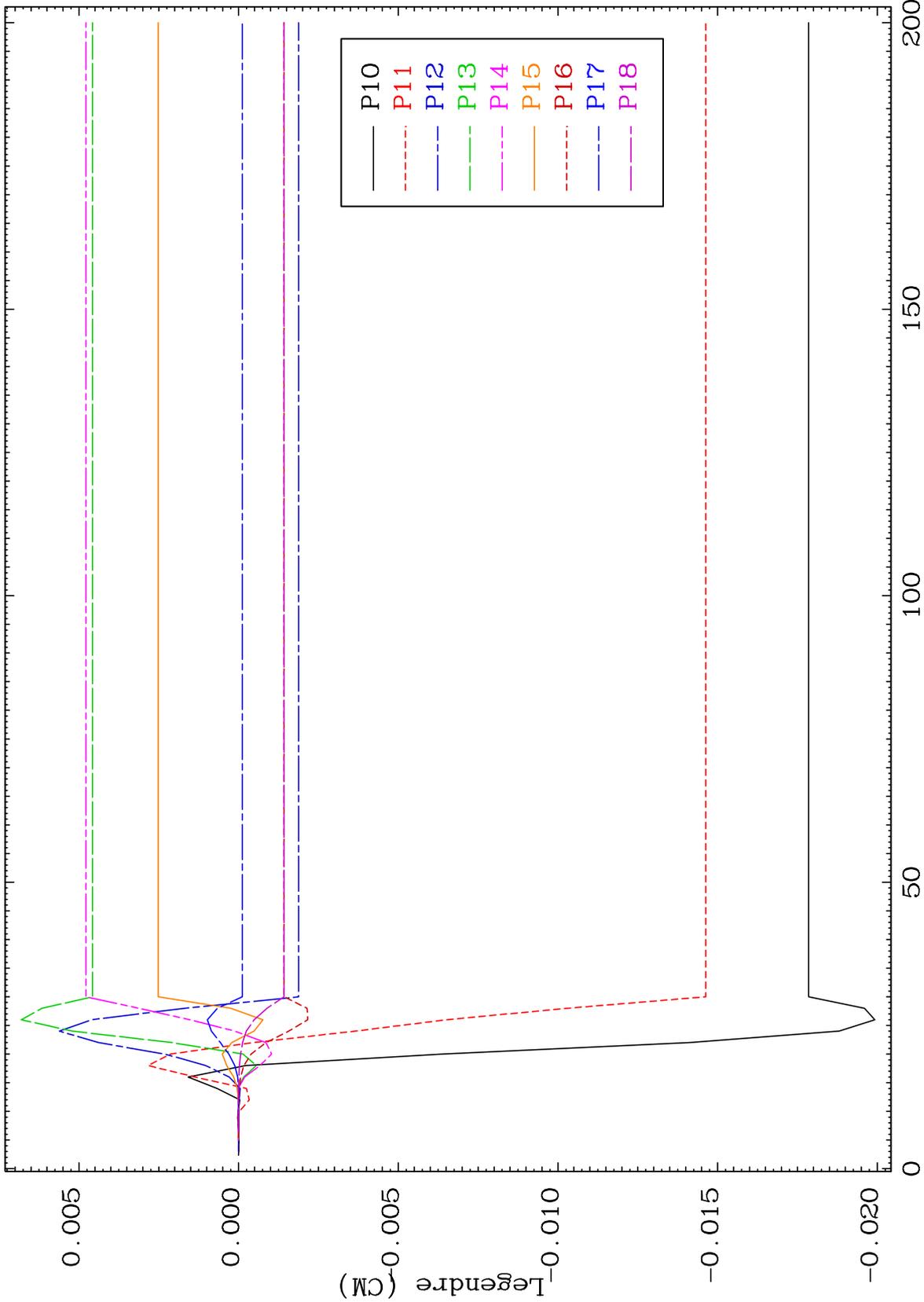
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



87

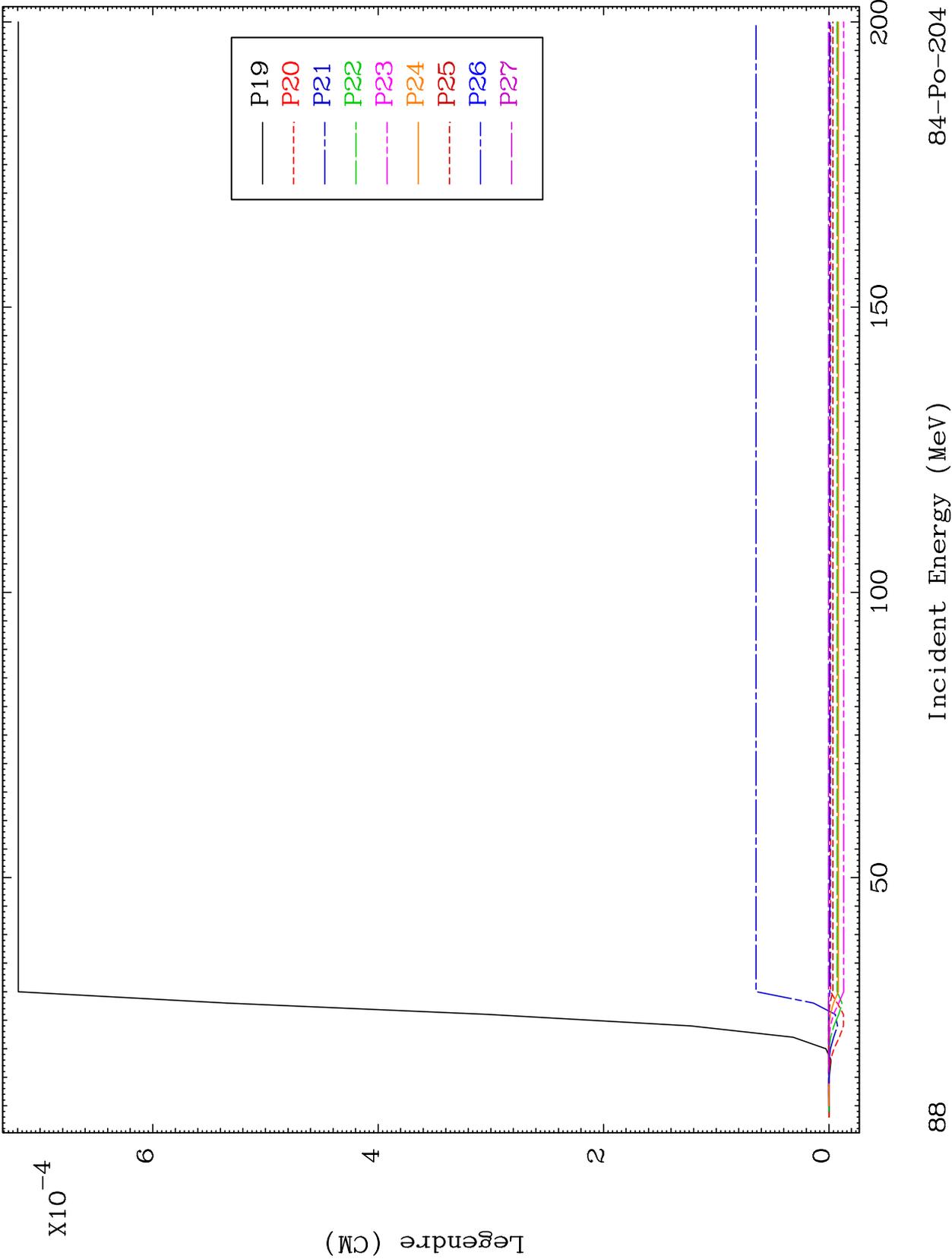
Incident Energy (MeV)

84-Po-204

MAT 8419

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

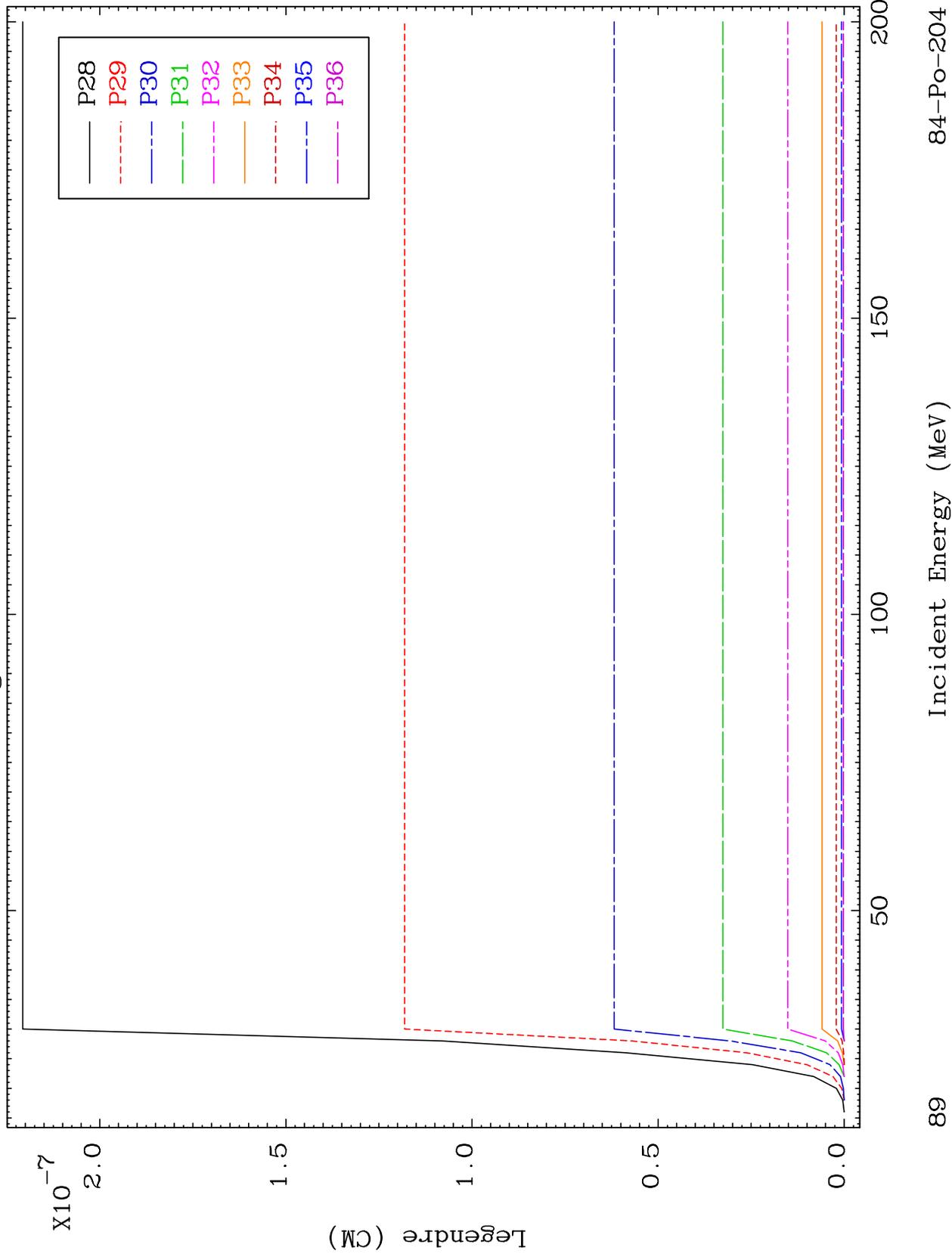
84-Po-204



MAT 8419

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

84-Po-204



89

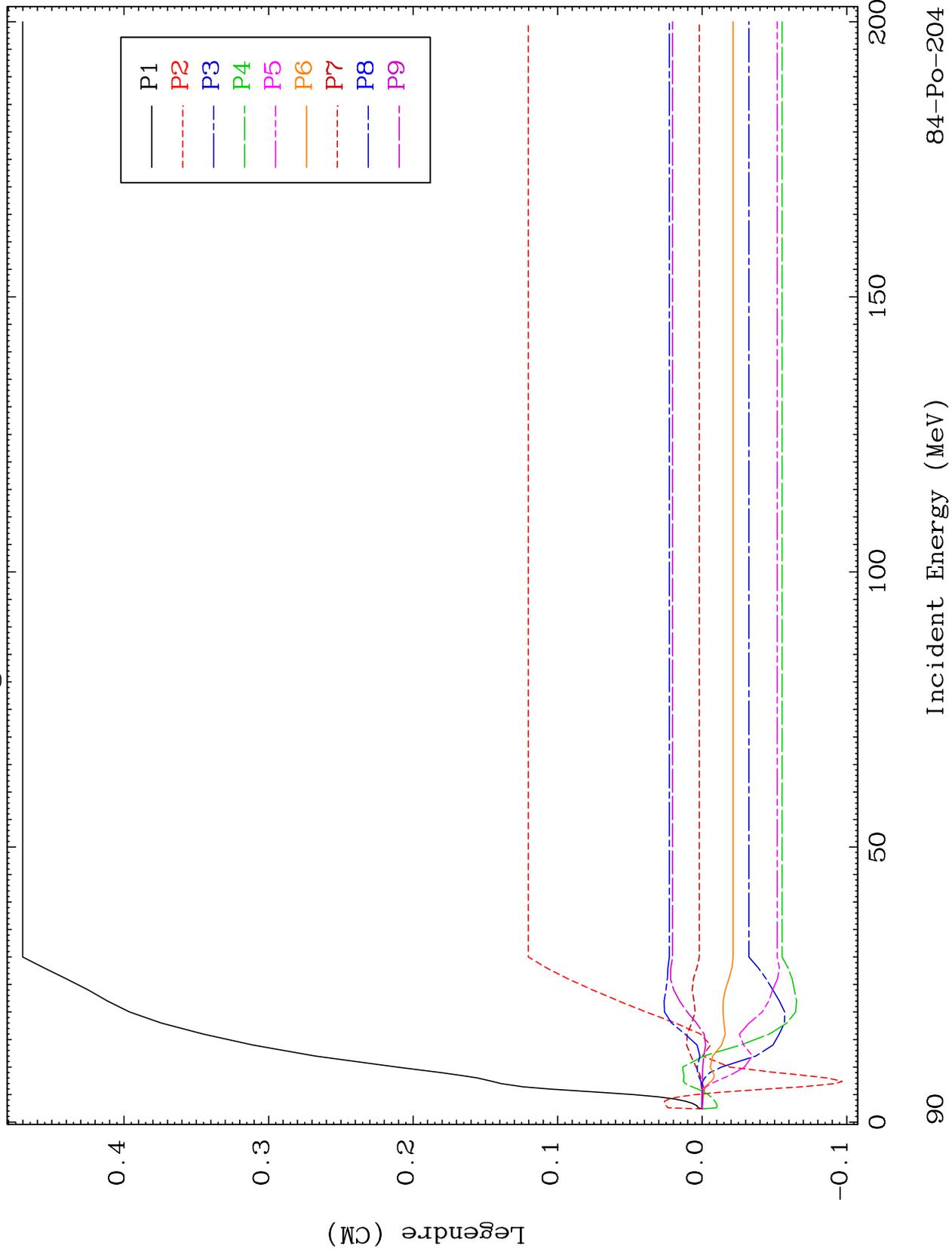
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204

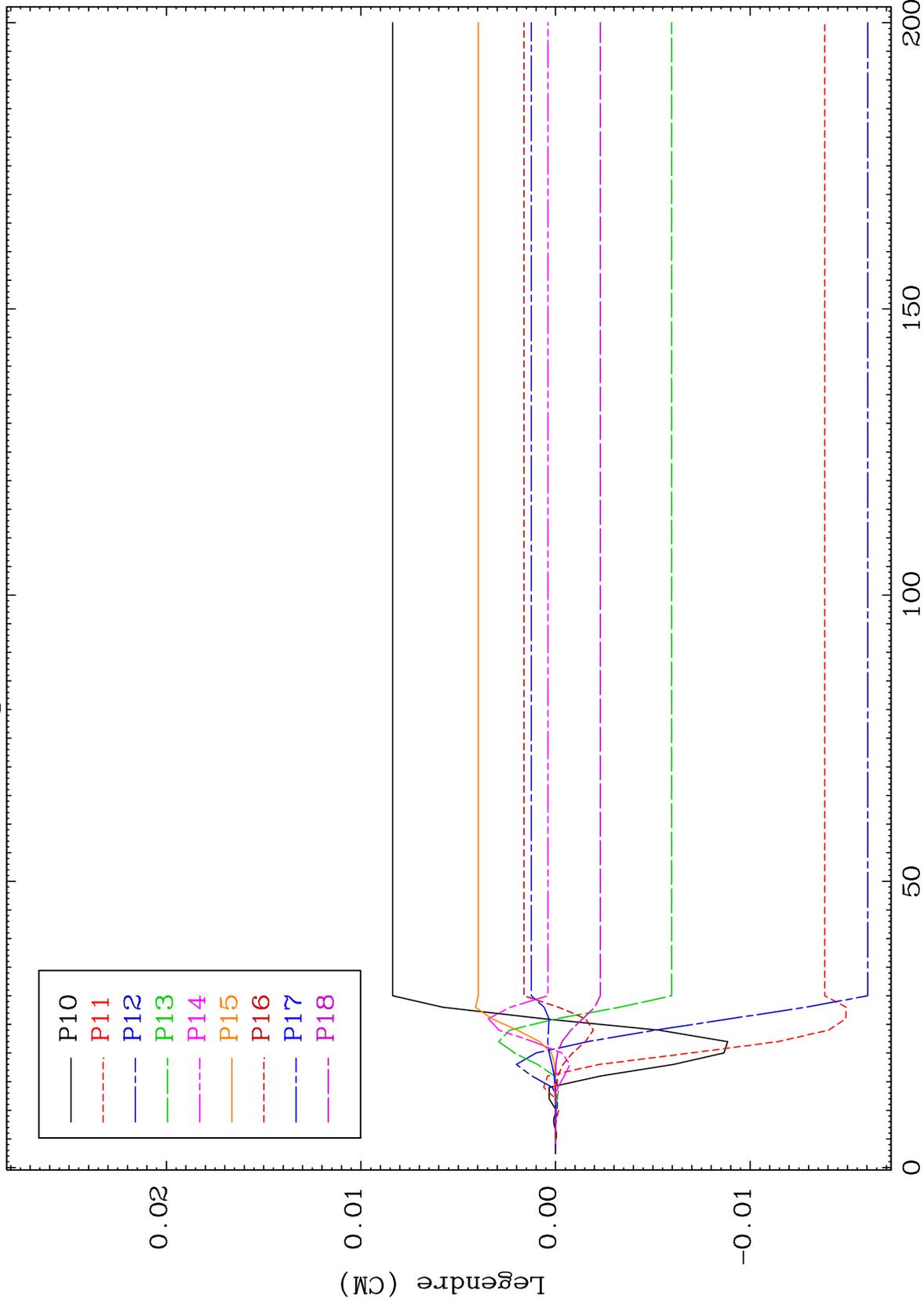


84-Po-204

MAT 8419

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

84-Po-204



91

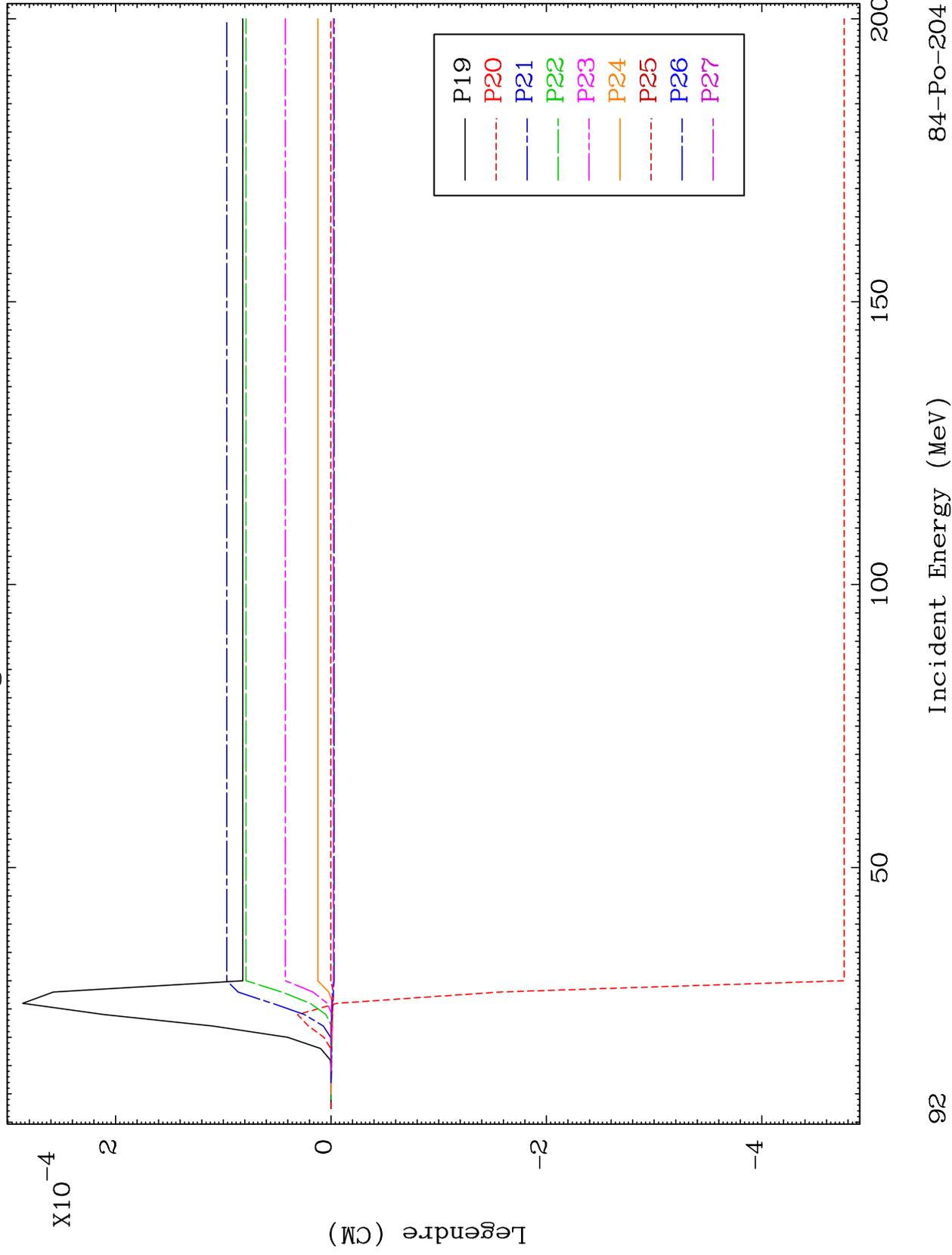
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



92

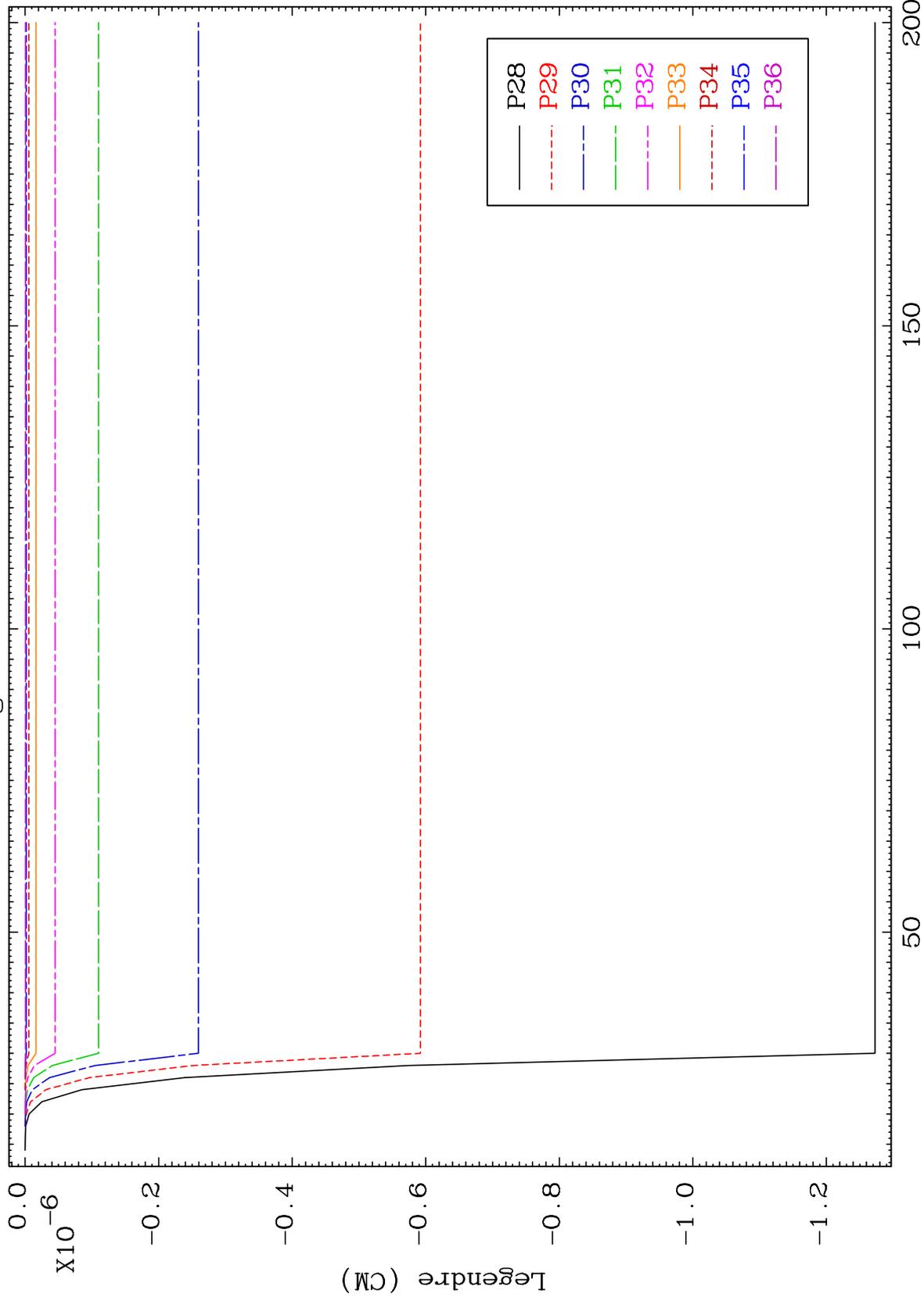
Incident Energy (MeV)

84-Po-204

MAT 8419

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

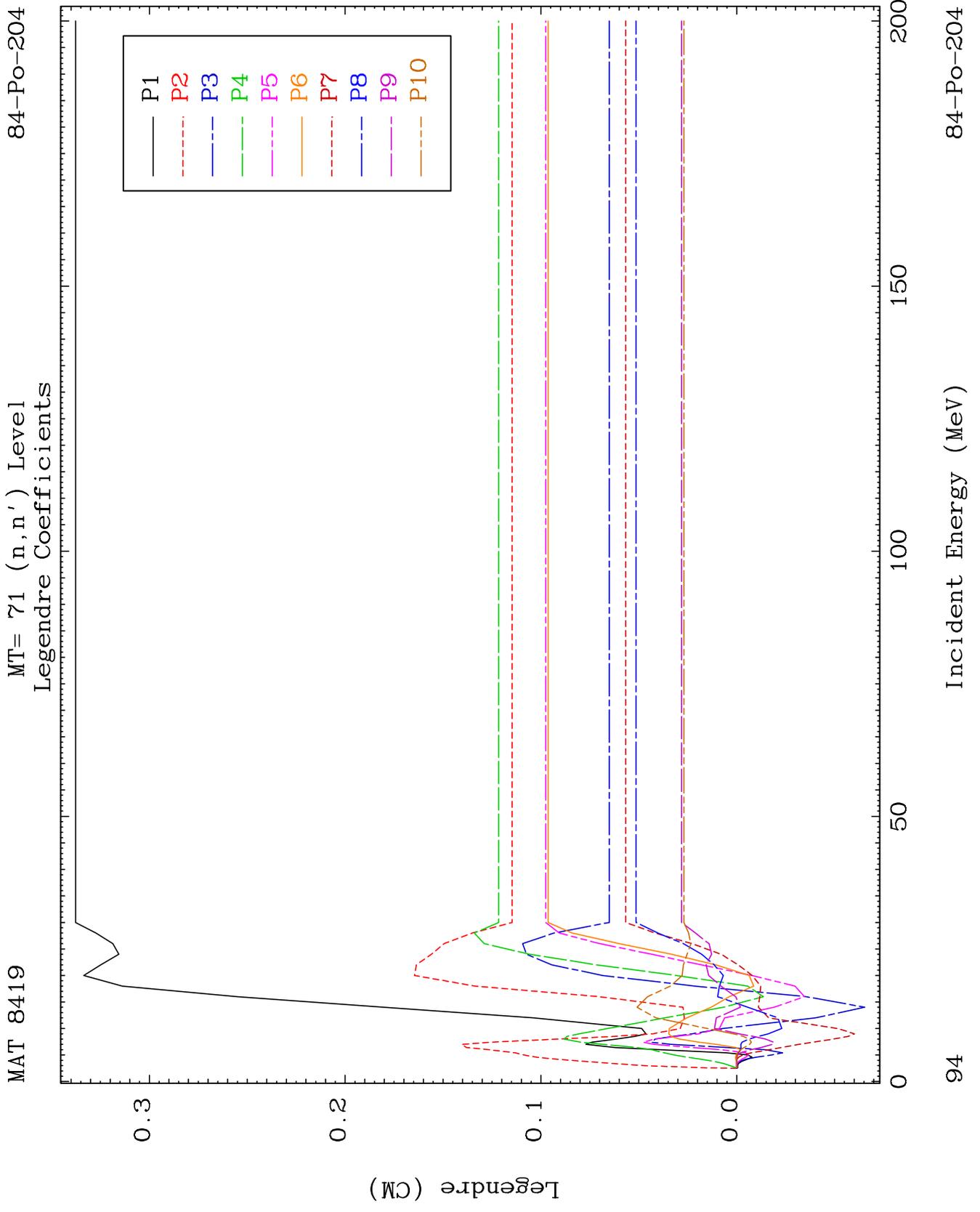
84-Po-204



93

Incident Energy (MeV)

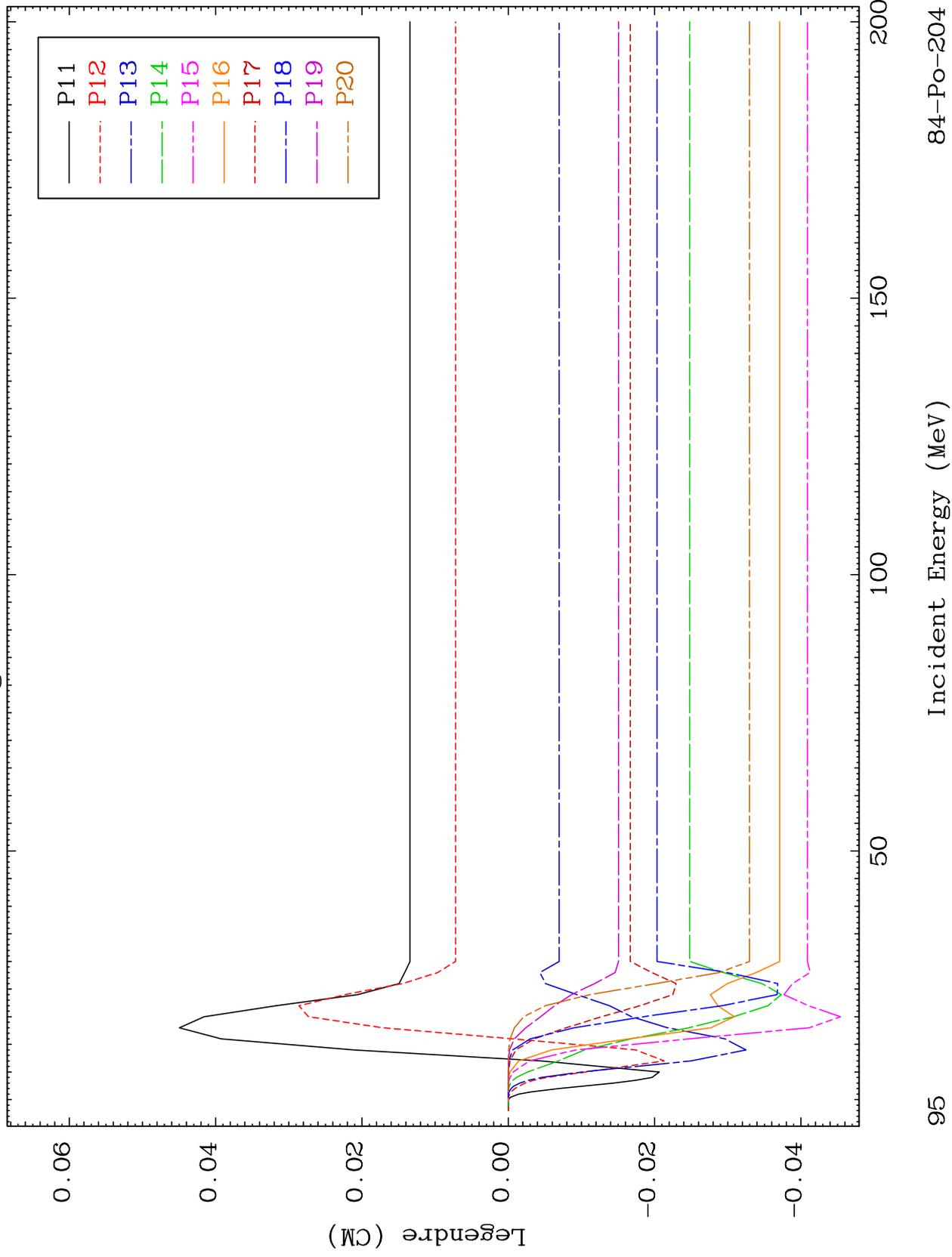
84-Po-204



MAT 8419

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

84-Po-204



95

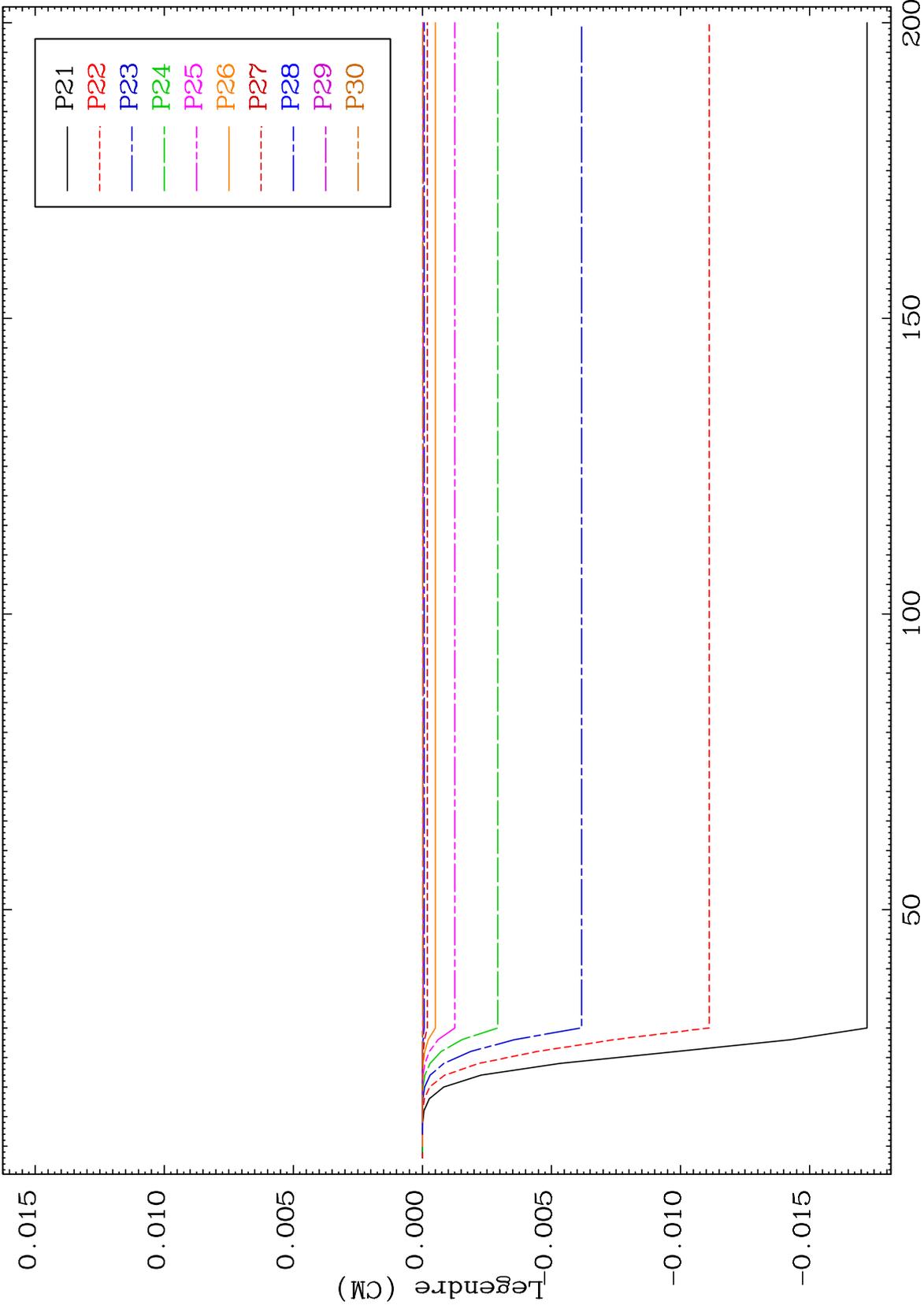
Incident Energy (MeV)

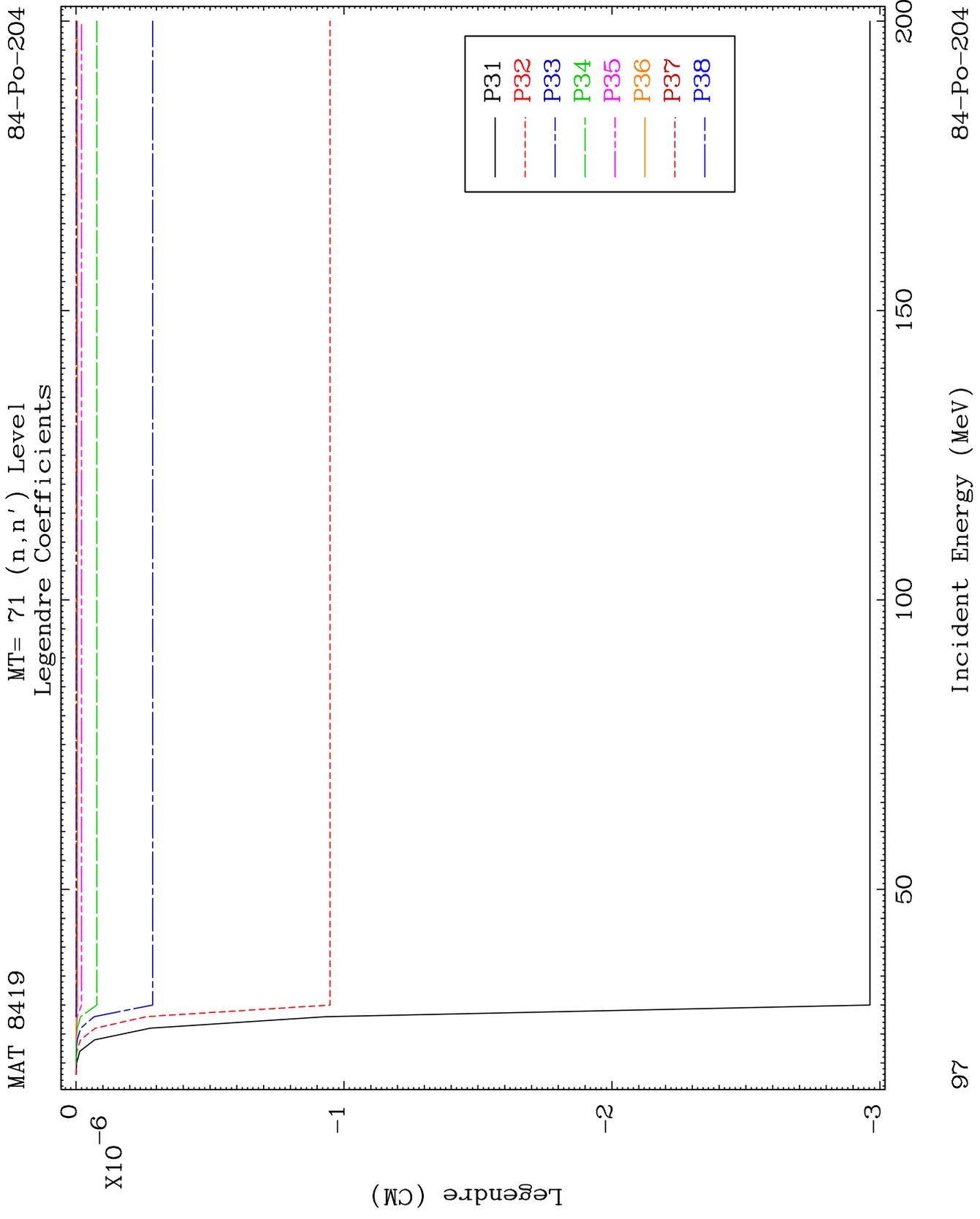
84-Po-204

MAT 8419

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

84-Po-204

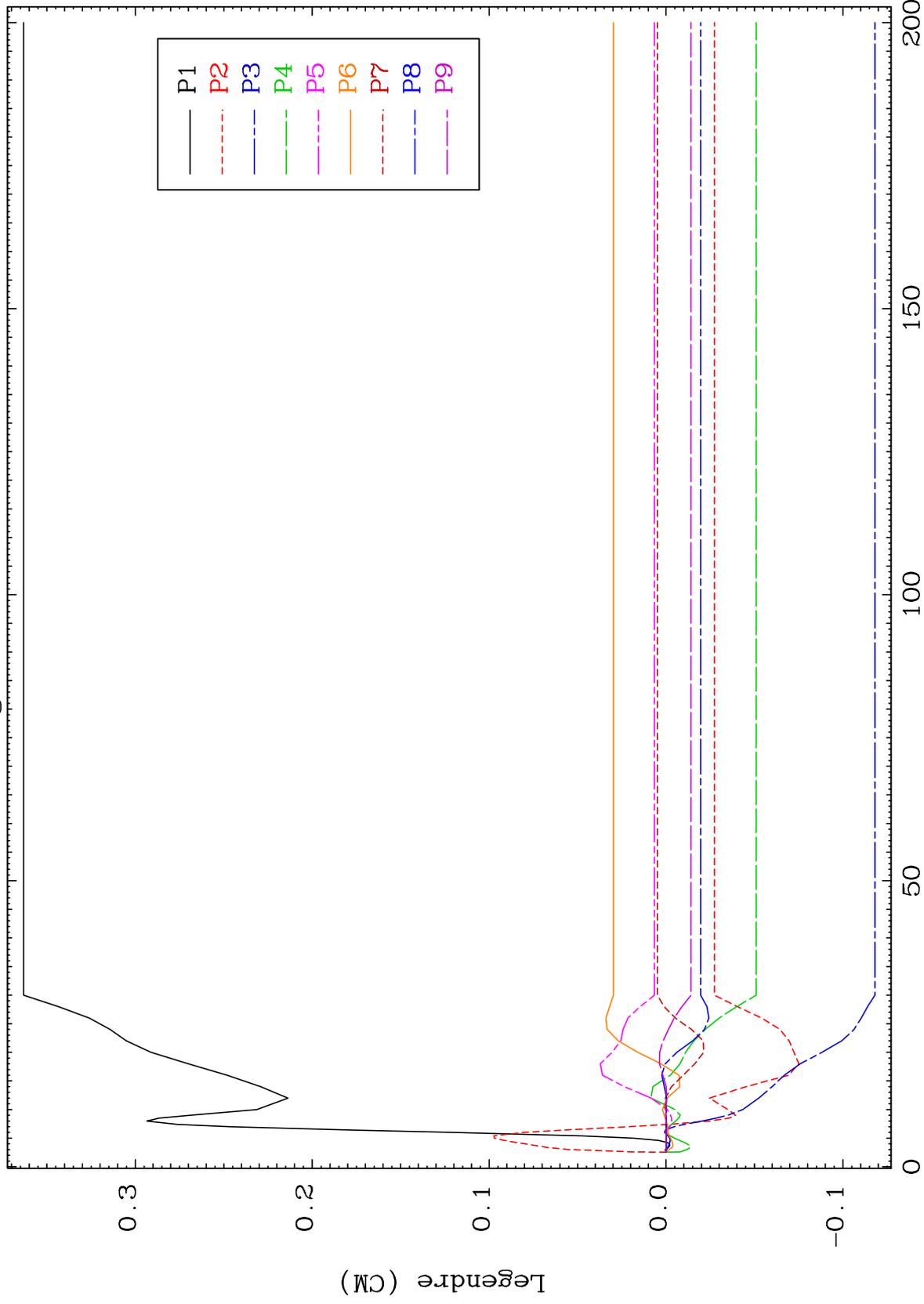




MAT 8419

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

84-Po-204



98

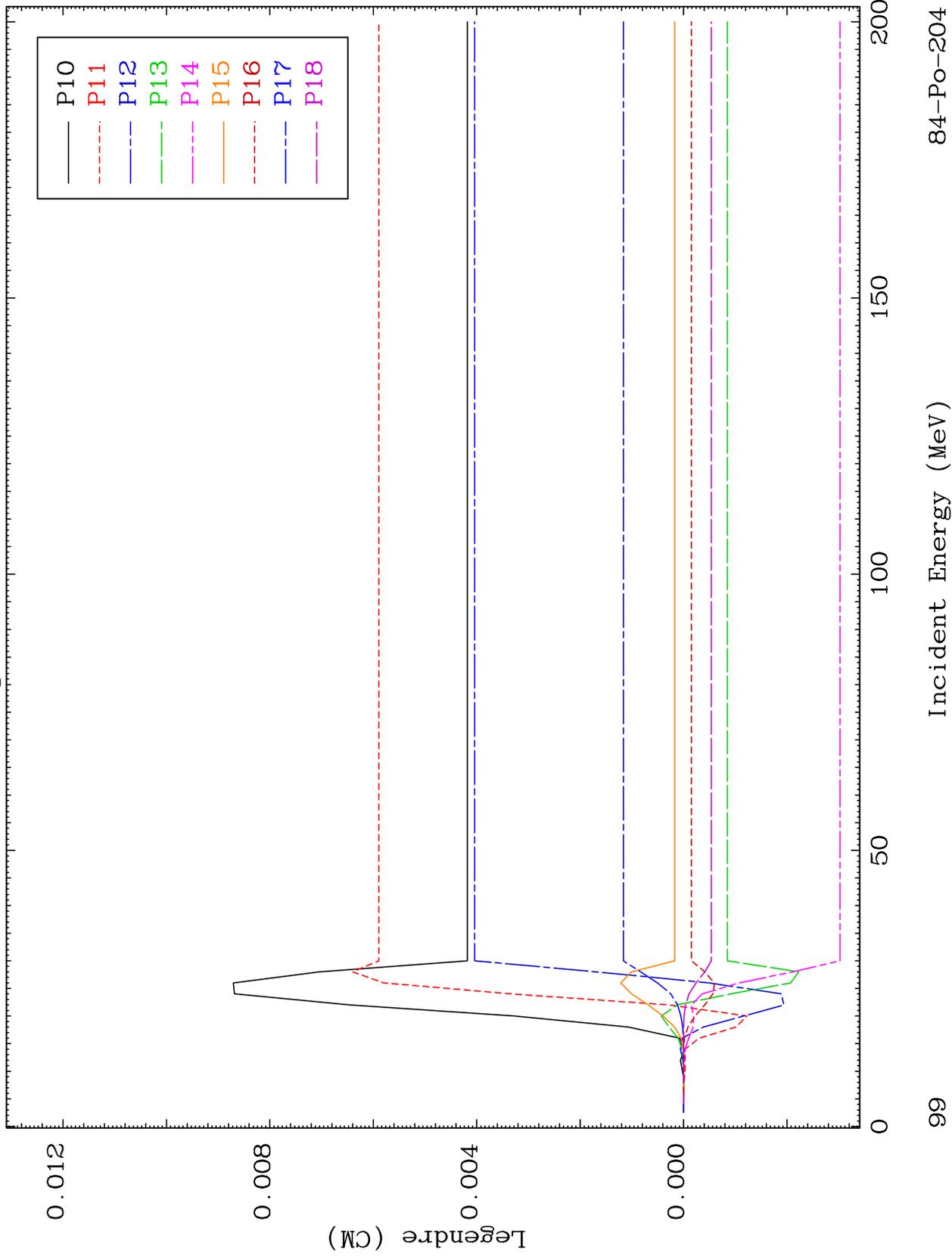
Incident Energy (MeV)

84-Po-204

MAT 8419

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

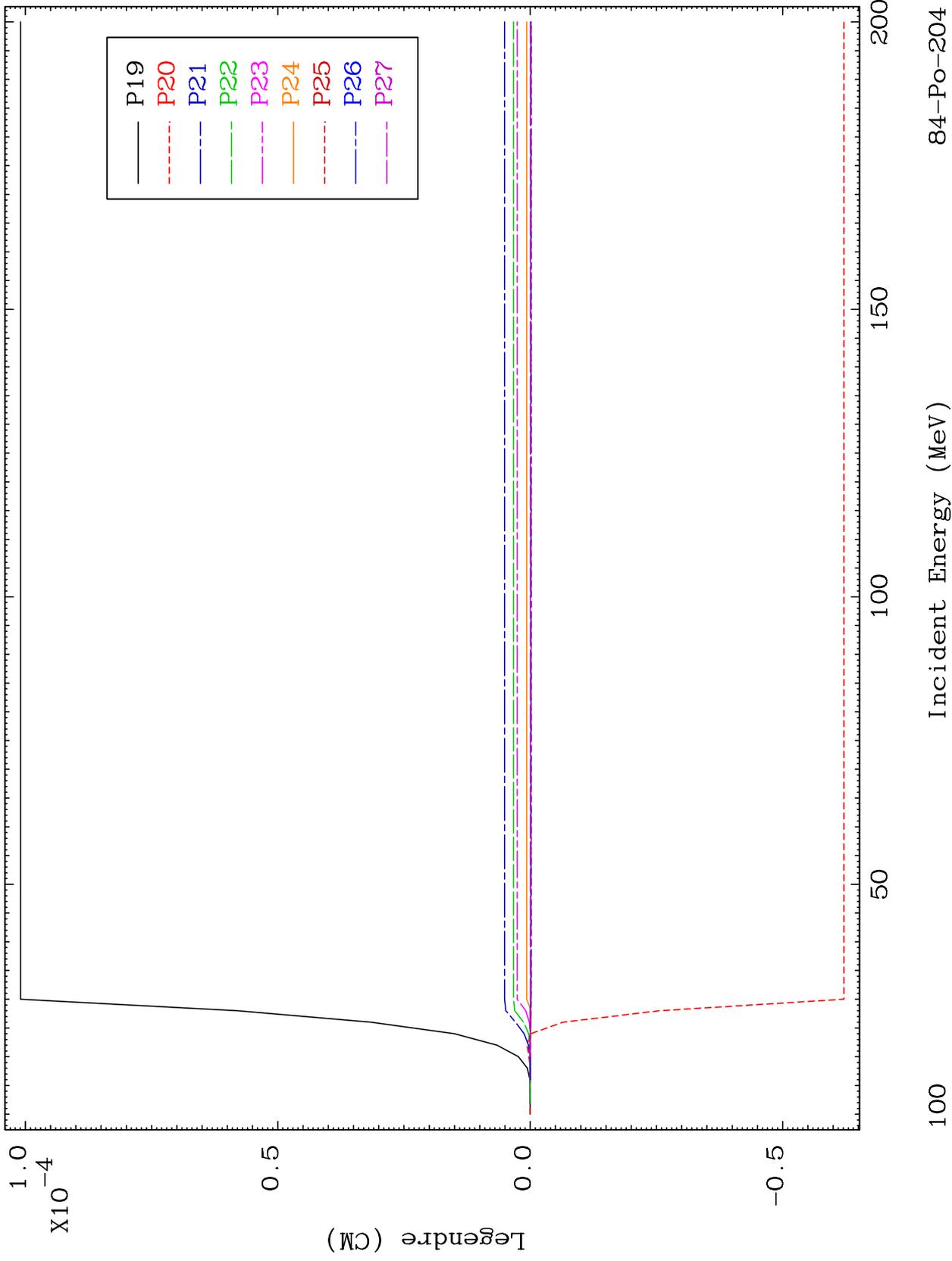
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MAT 8419

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

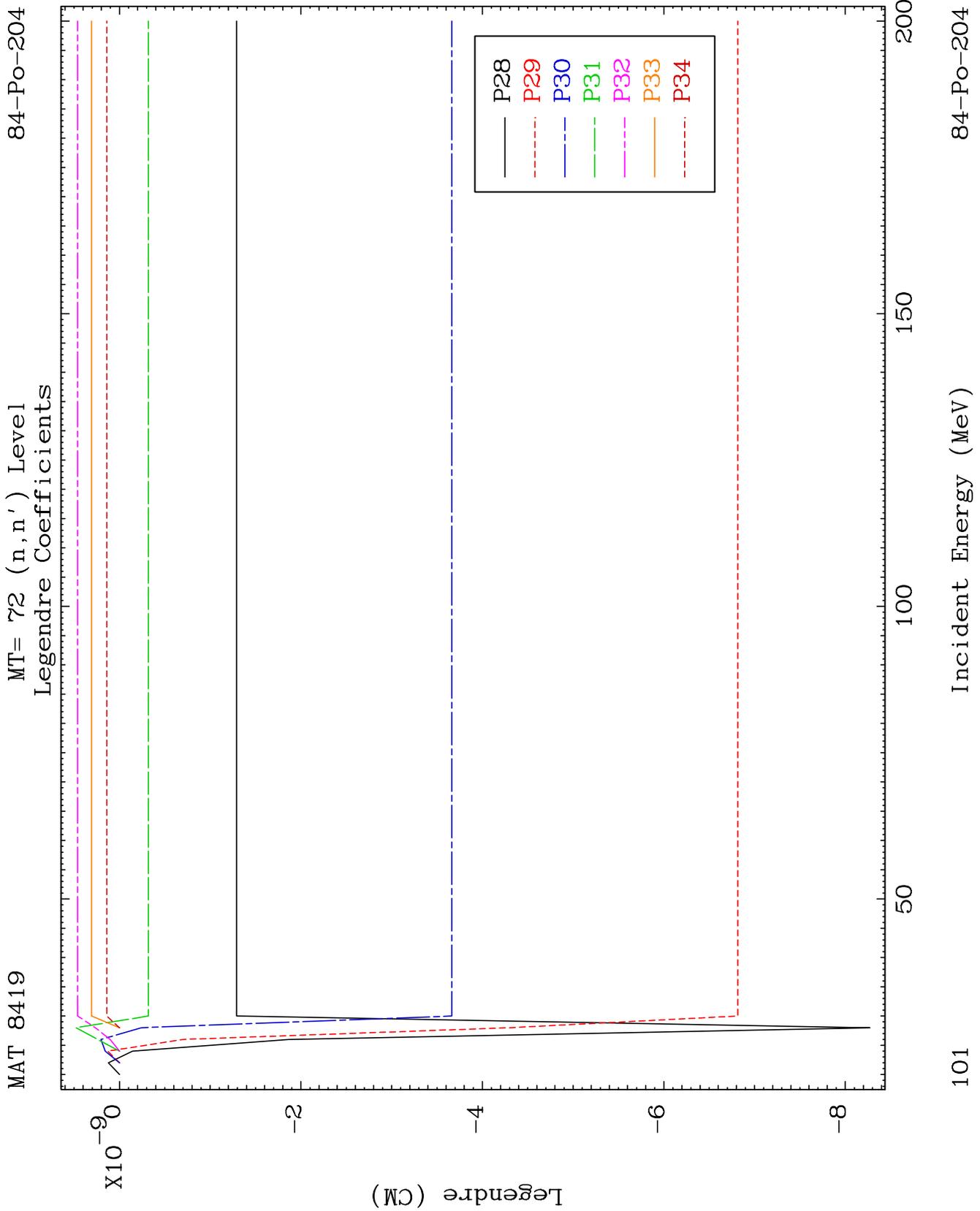
84-Po-204



100

Incident Energy (MeV)

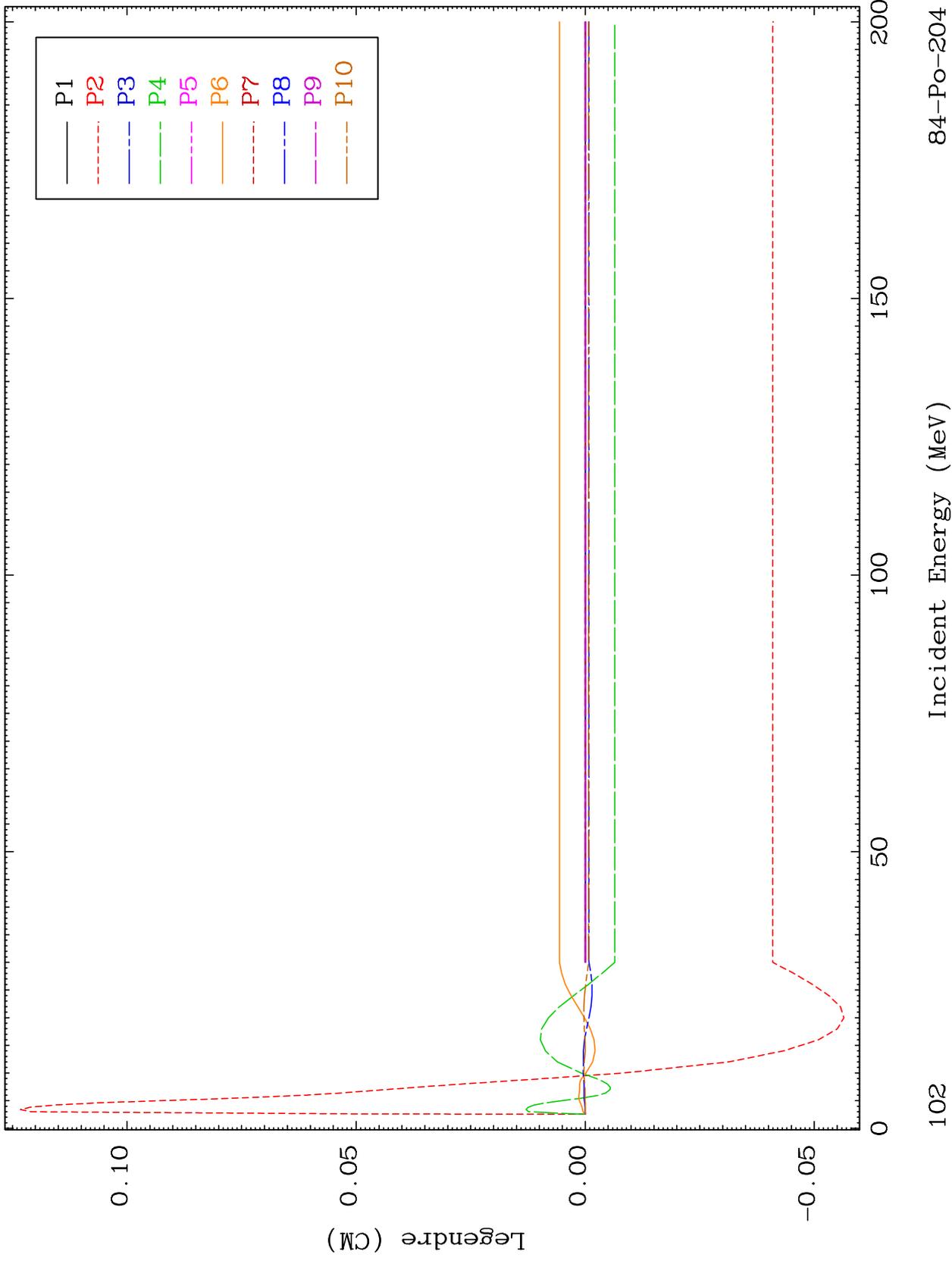
84-Po-204



MAT 8419

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

84-Po-204



84-Po-204

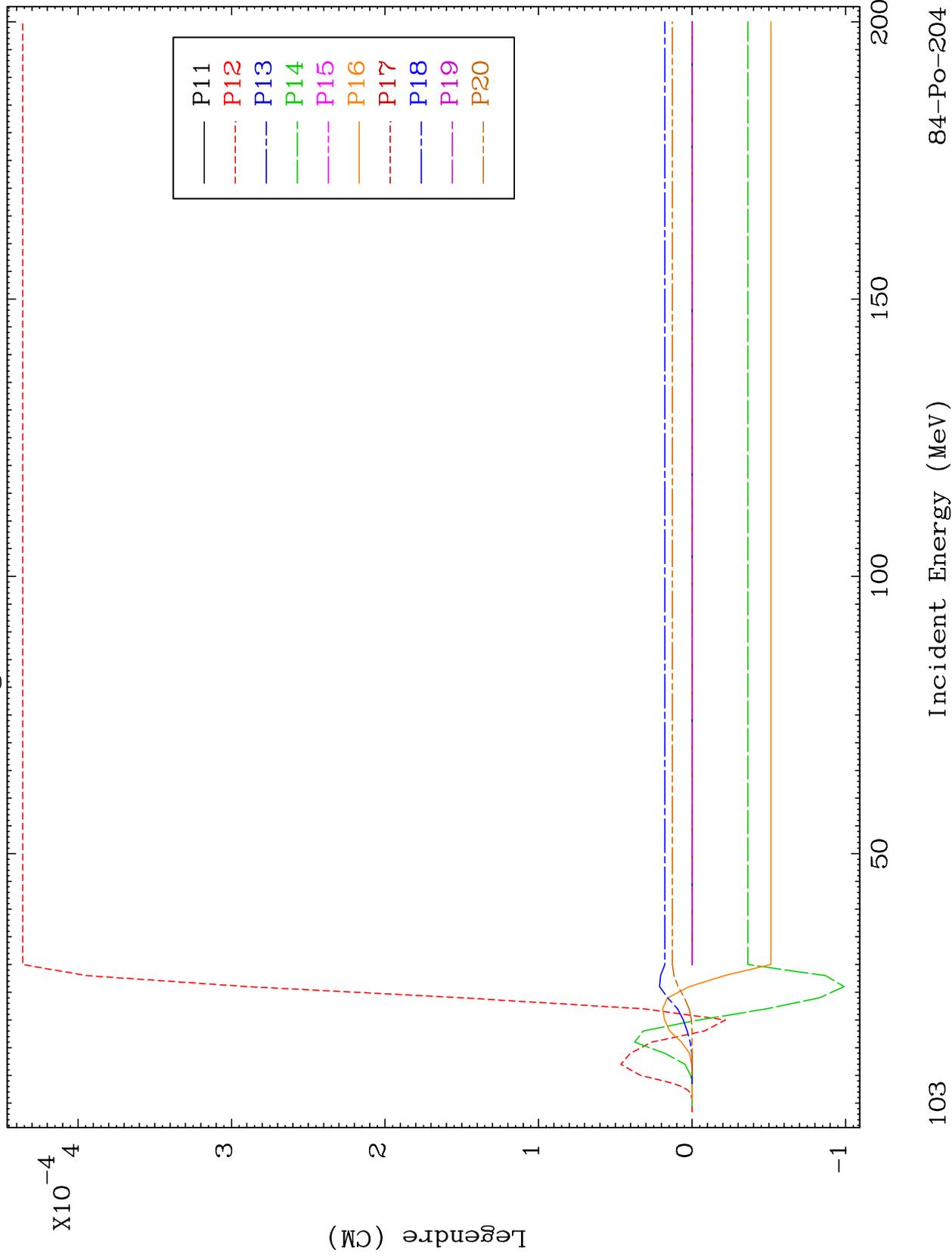
Incident Energy (MeV)

102

MAT 8419

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

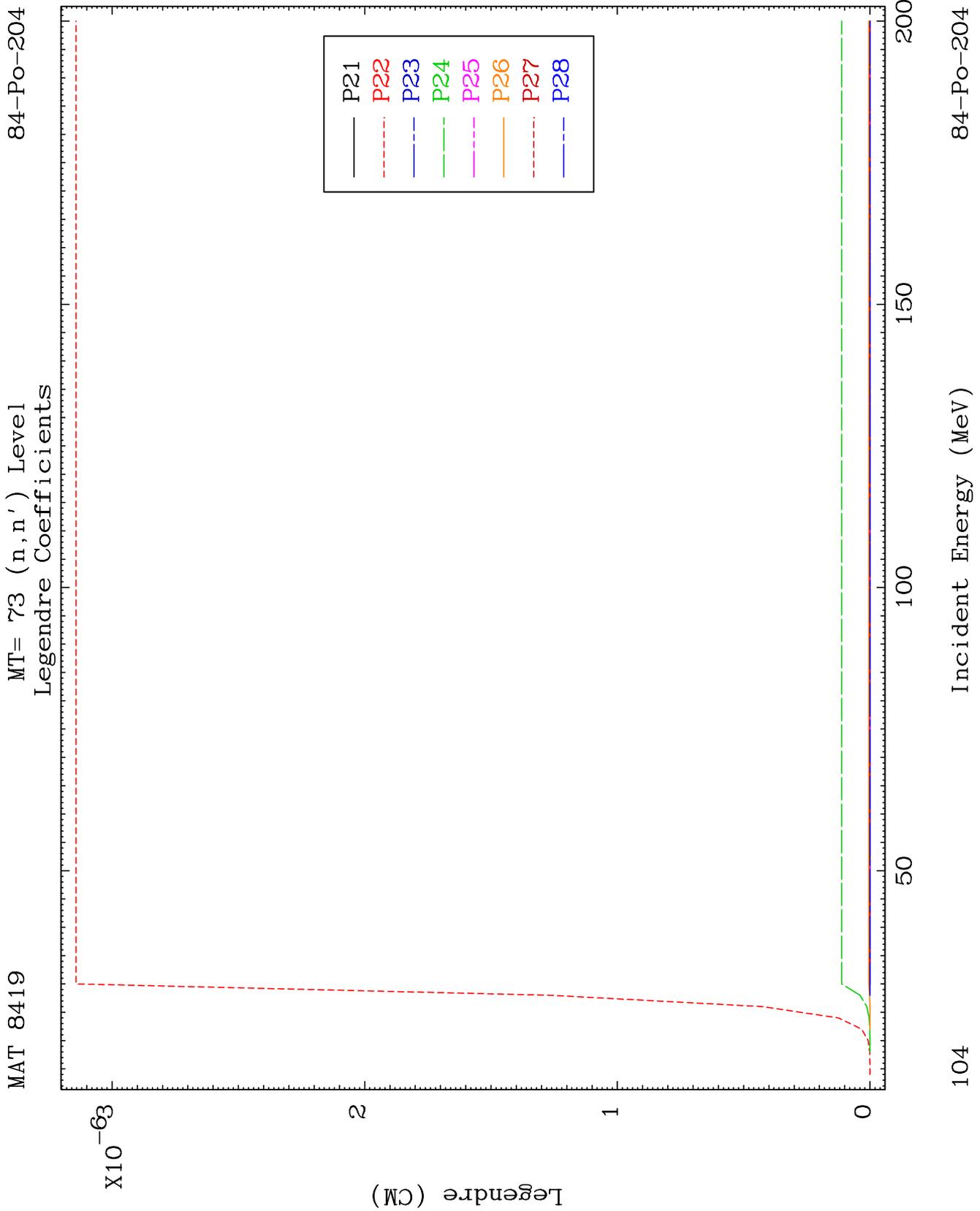
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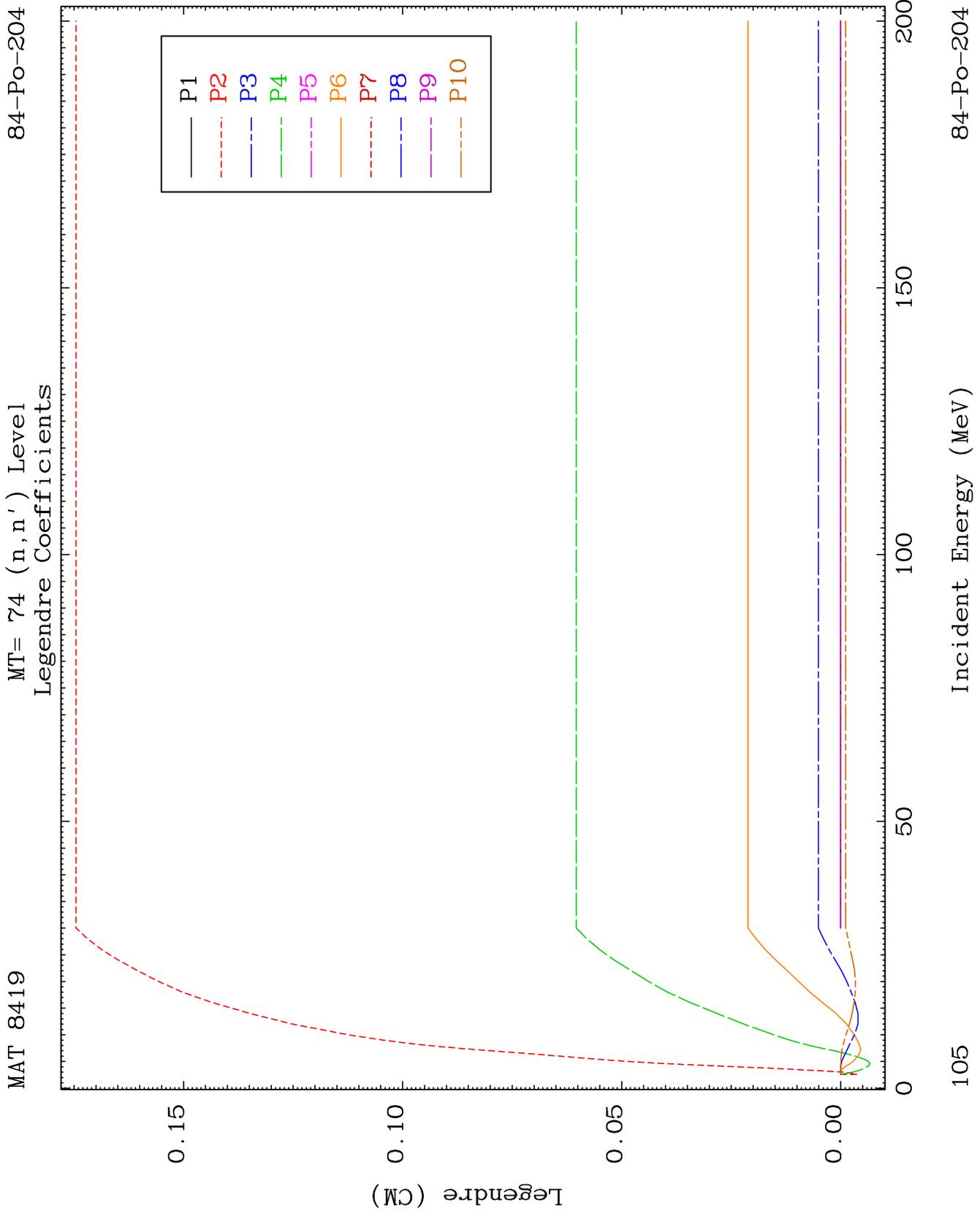


103

Incident Energy (MeV)

84-Po-204

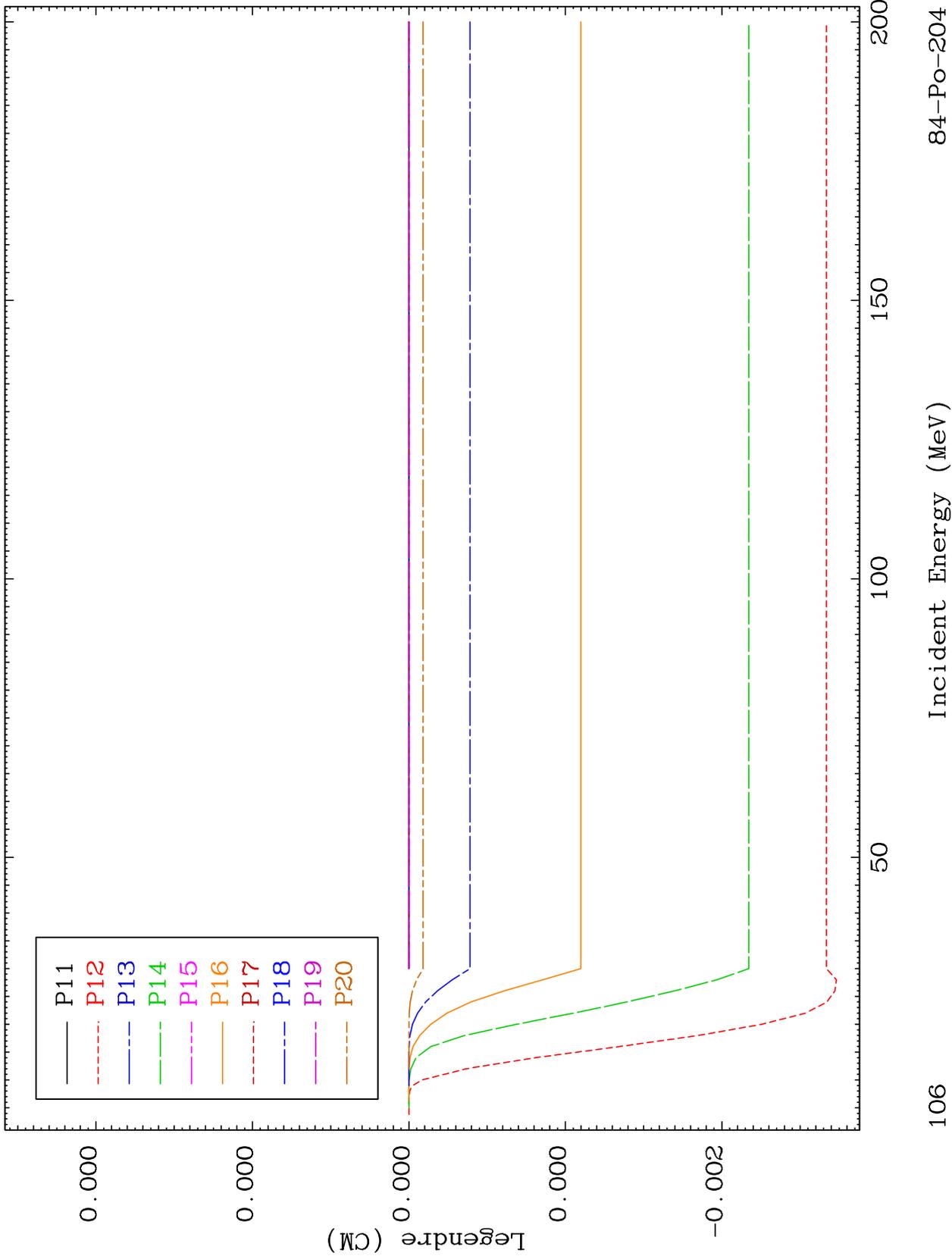




MAT 8419

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

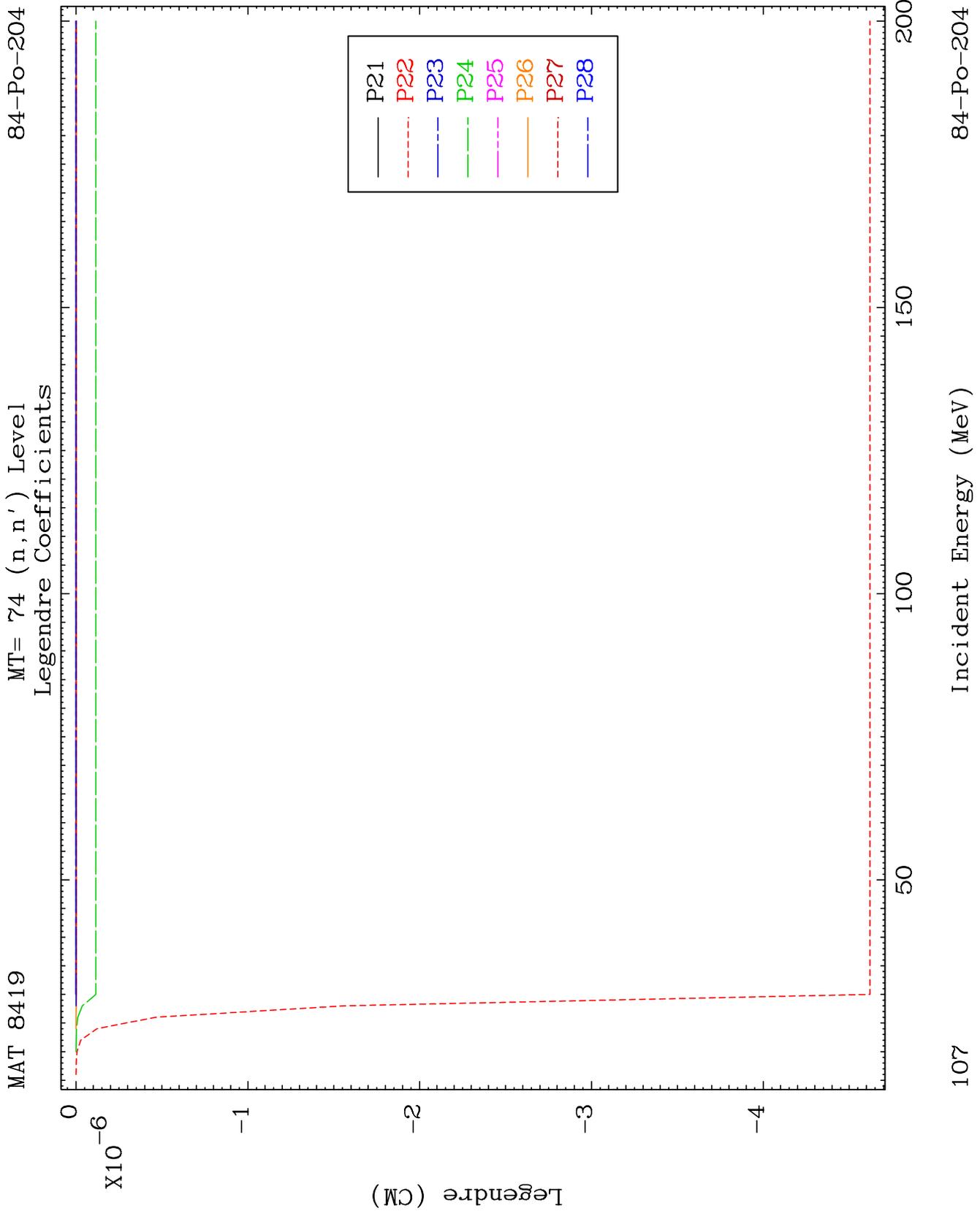
84-Po-204



106

Incident Energy (MeV)

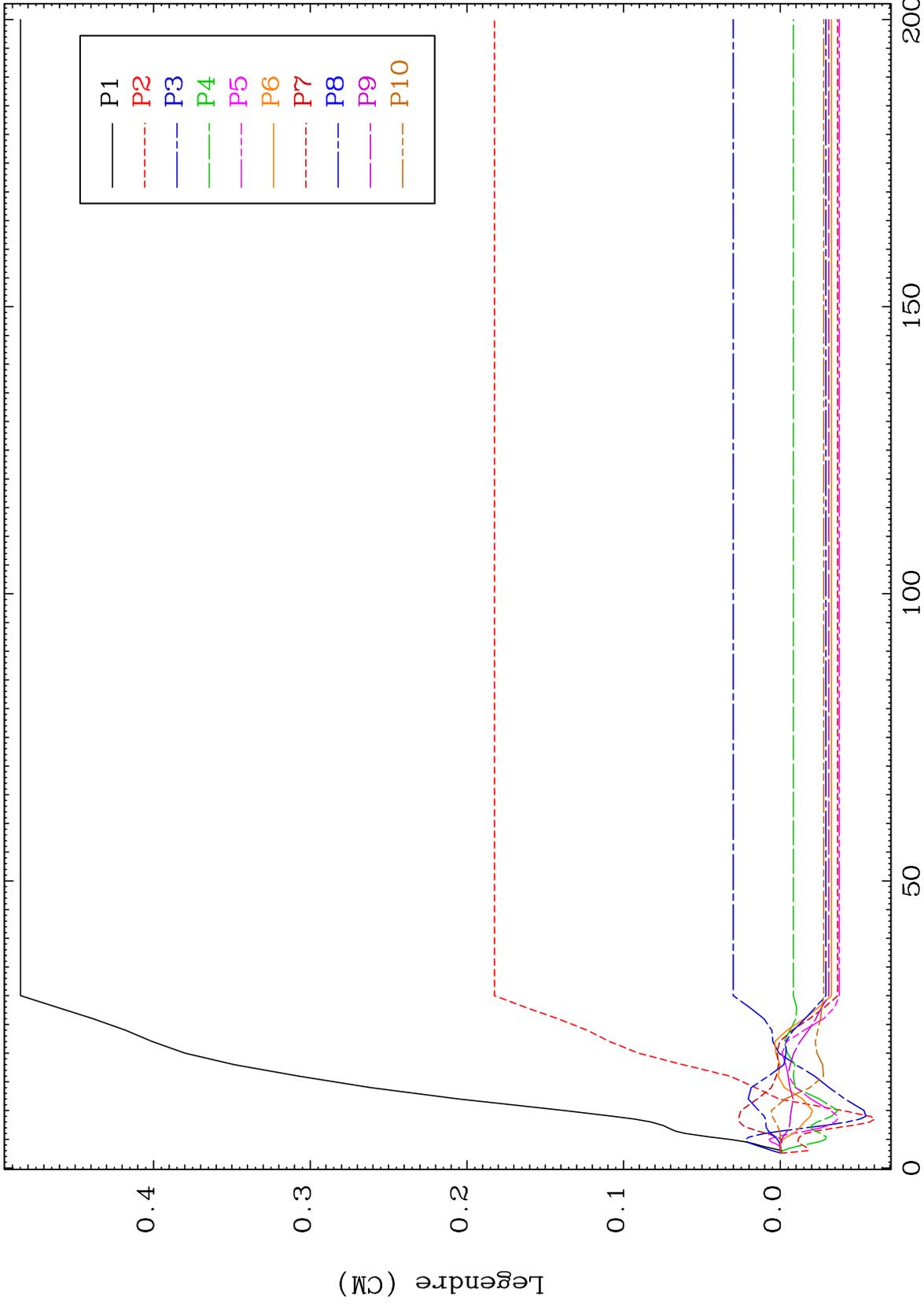
84-Po-204



MAT 8419

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

84-Po-204



108

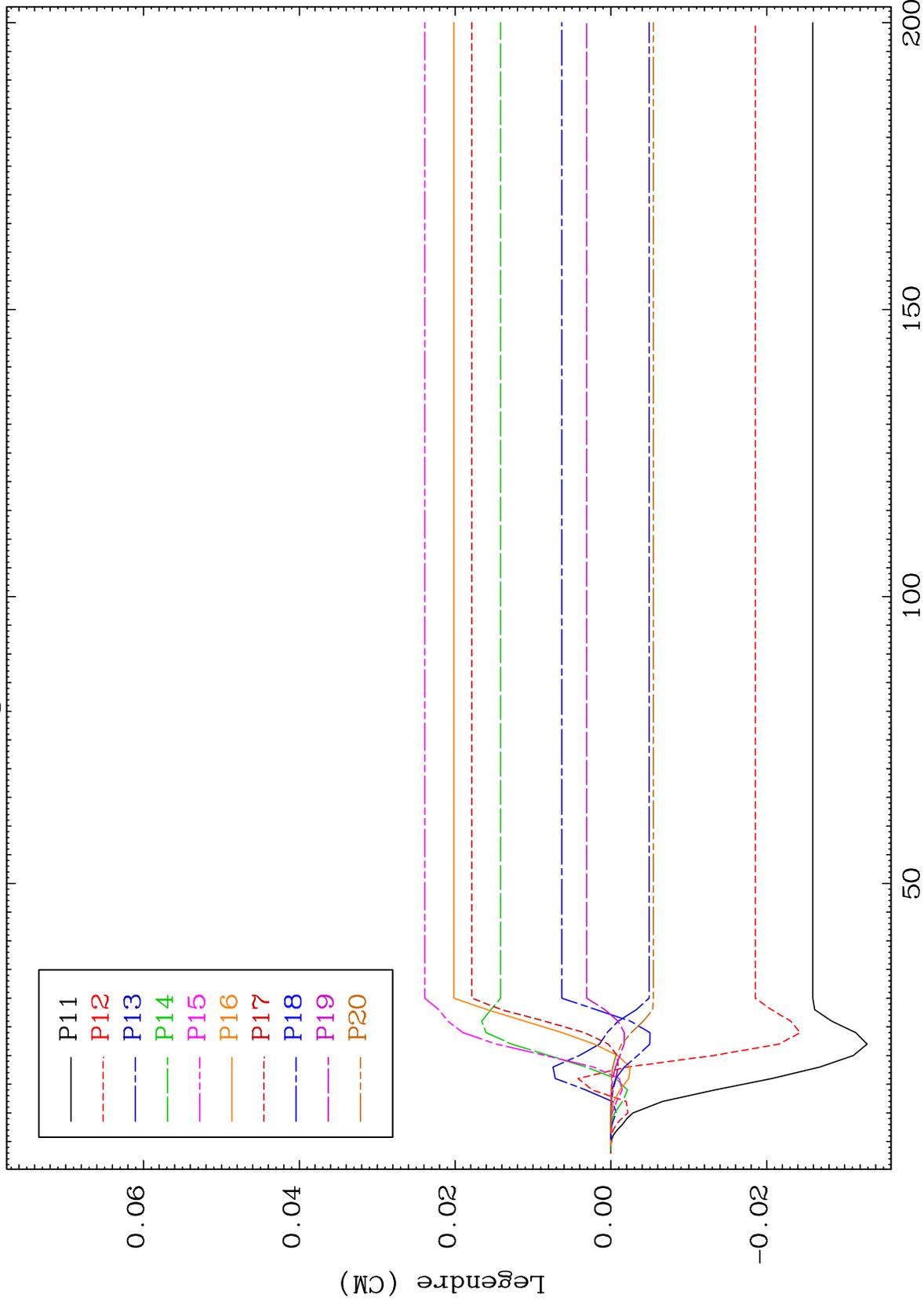
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

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



109

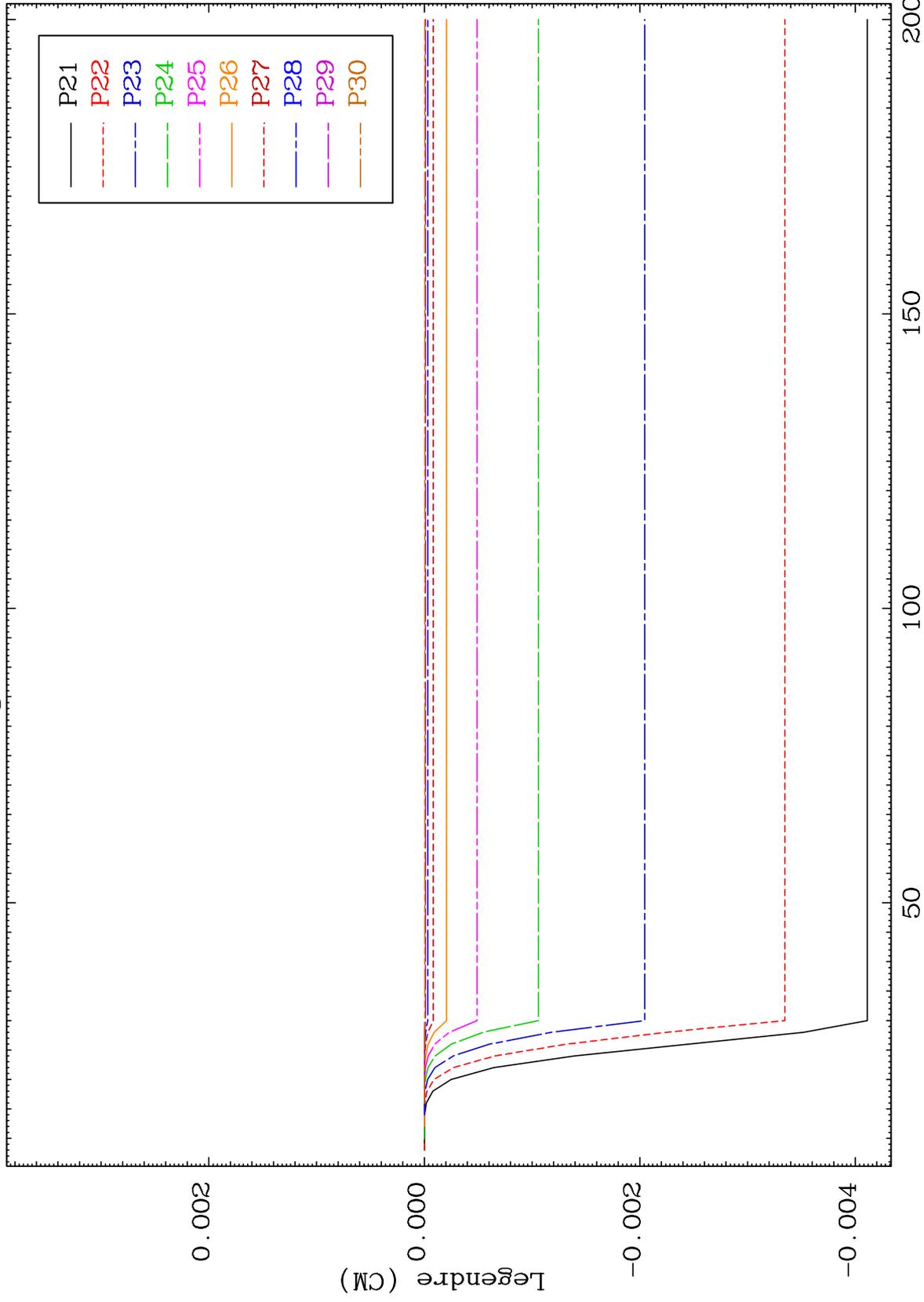
Incident Energy (MeV)

84-Po-204

MAT 8419

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

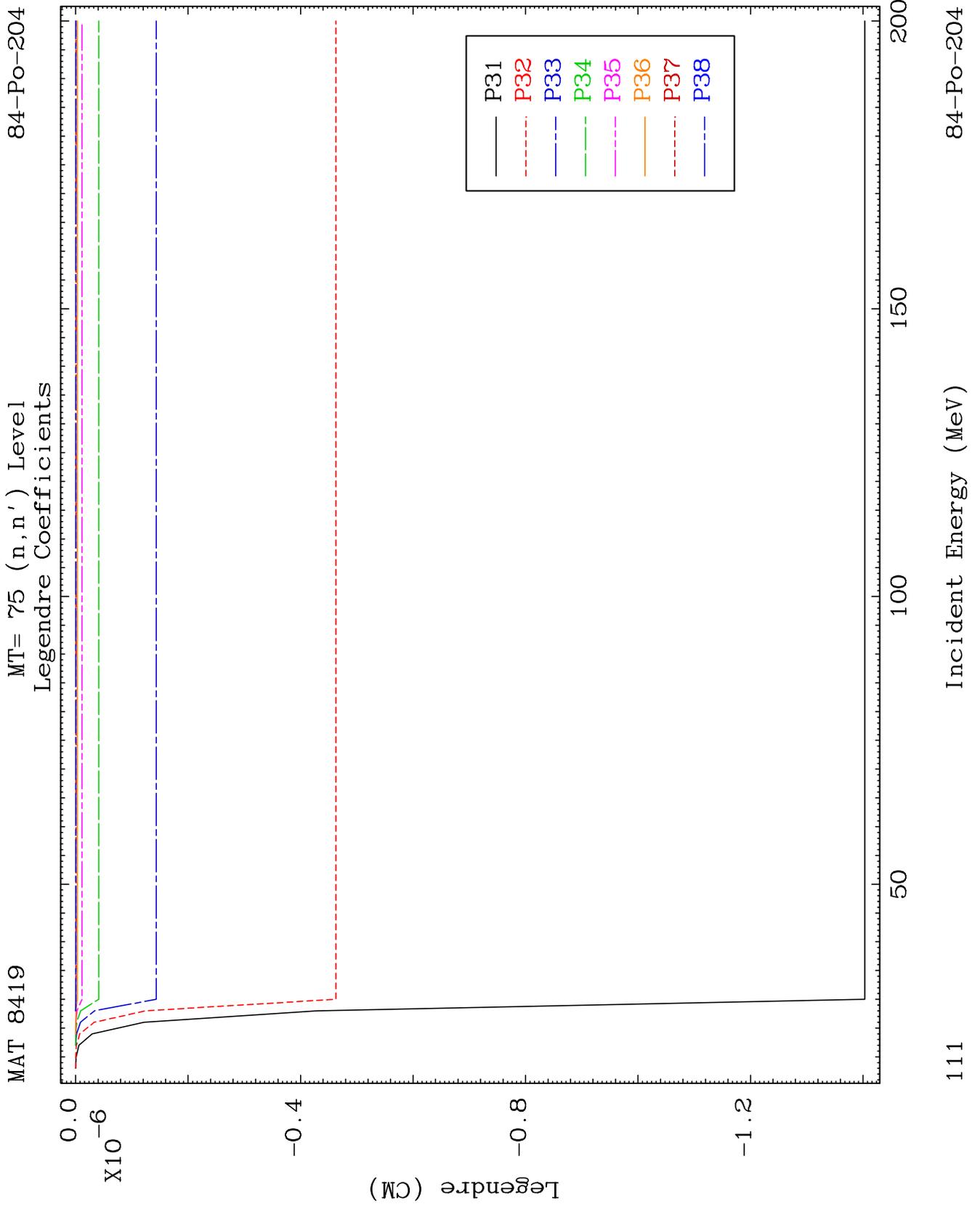
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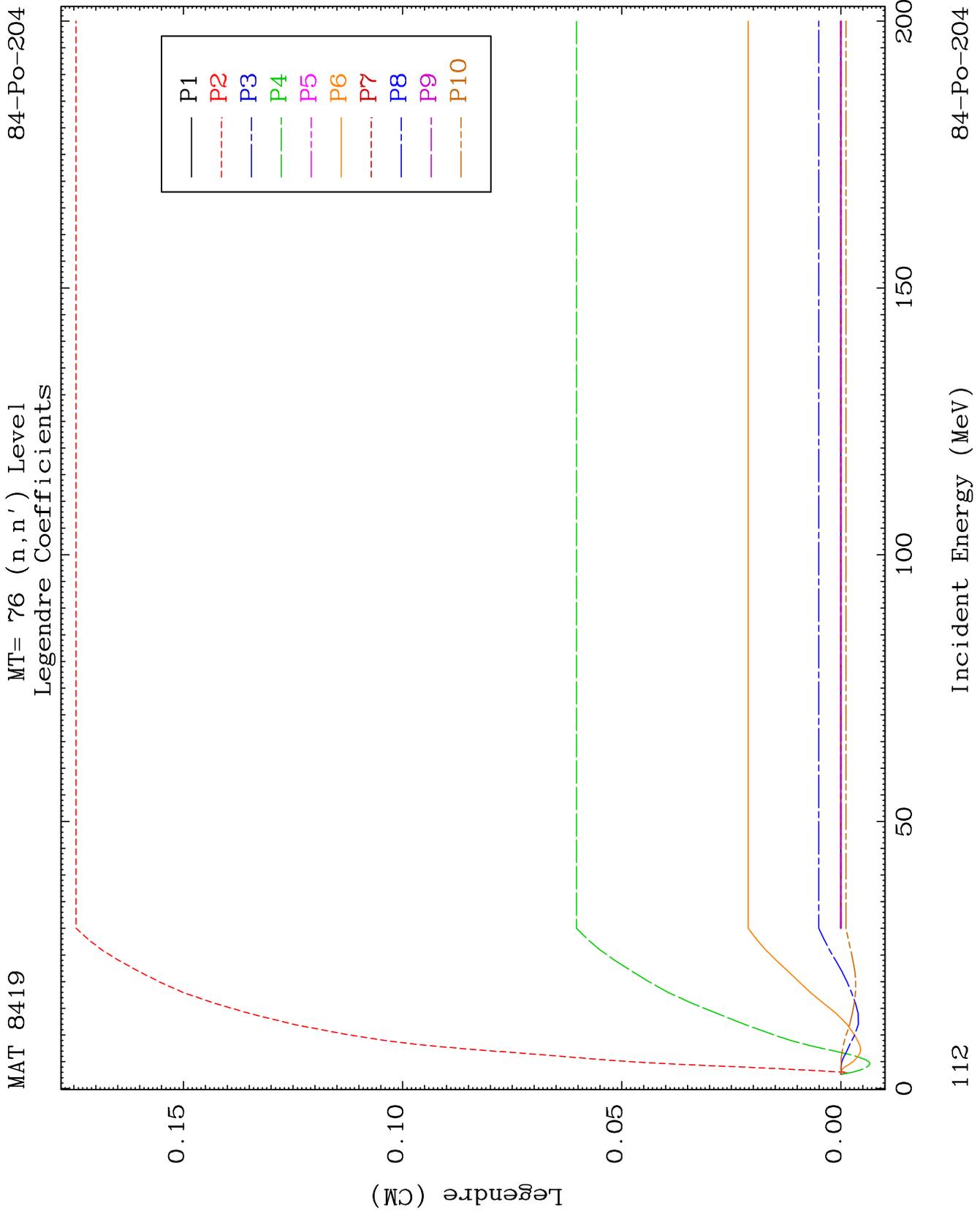


110

Incident Energy (MeV)

84-Po-204





84-Po-204

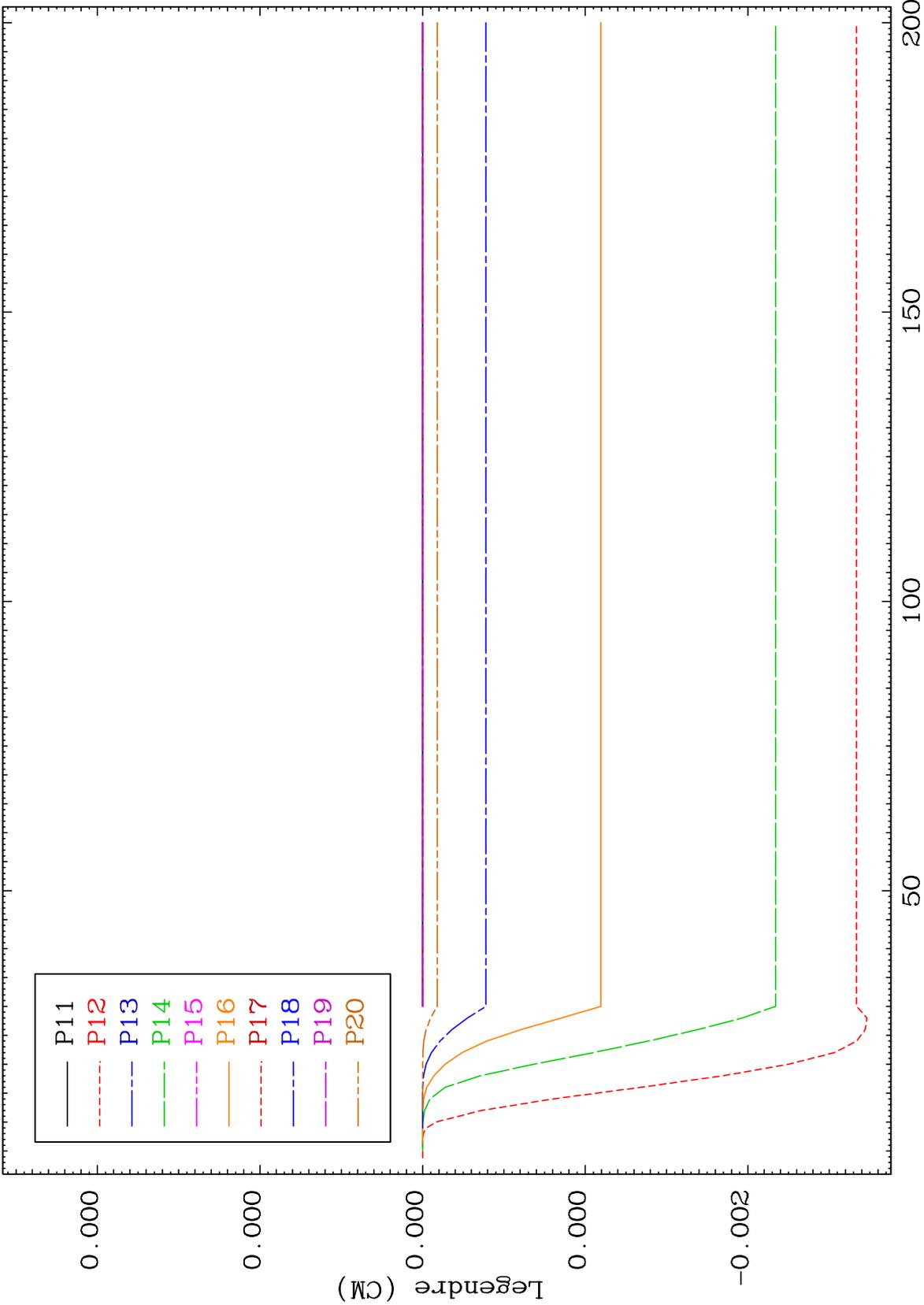
Incident Energy (MeV)

112

MAT 8419

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

84-Po-204



113

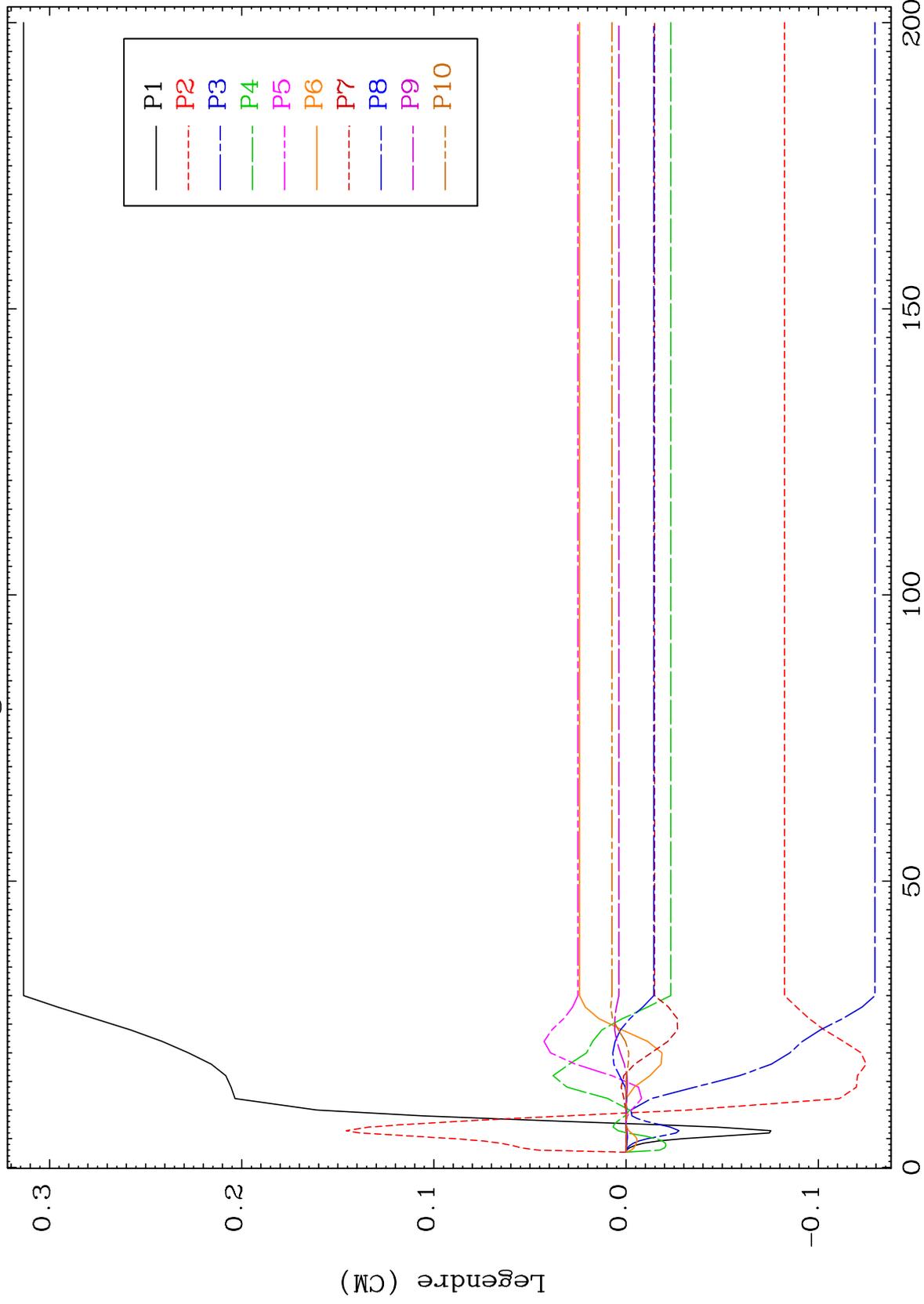
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

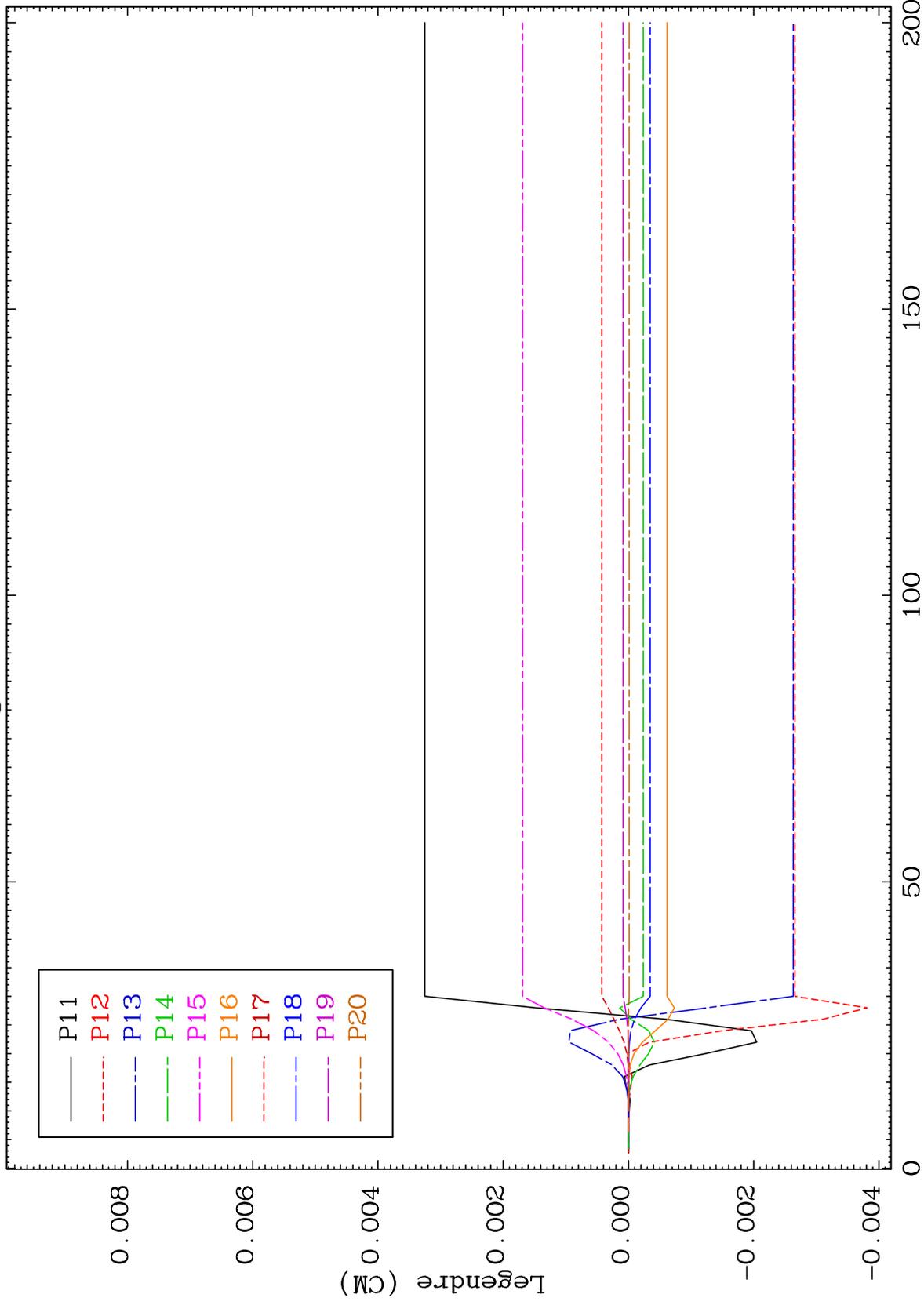
Incident Energy (MeV)

115

MAT 8419

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

84-Po-204



116

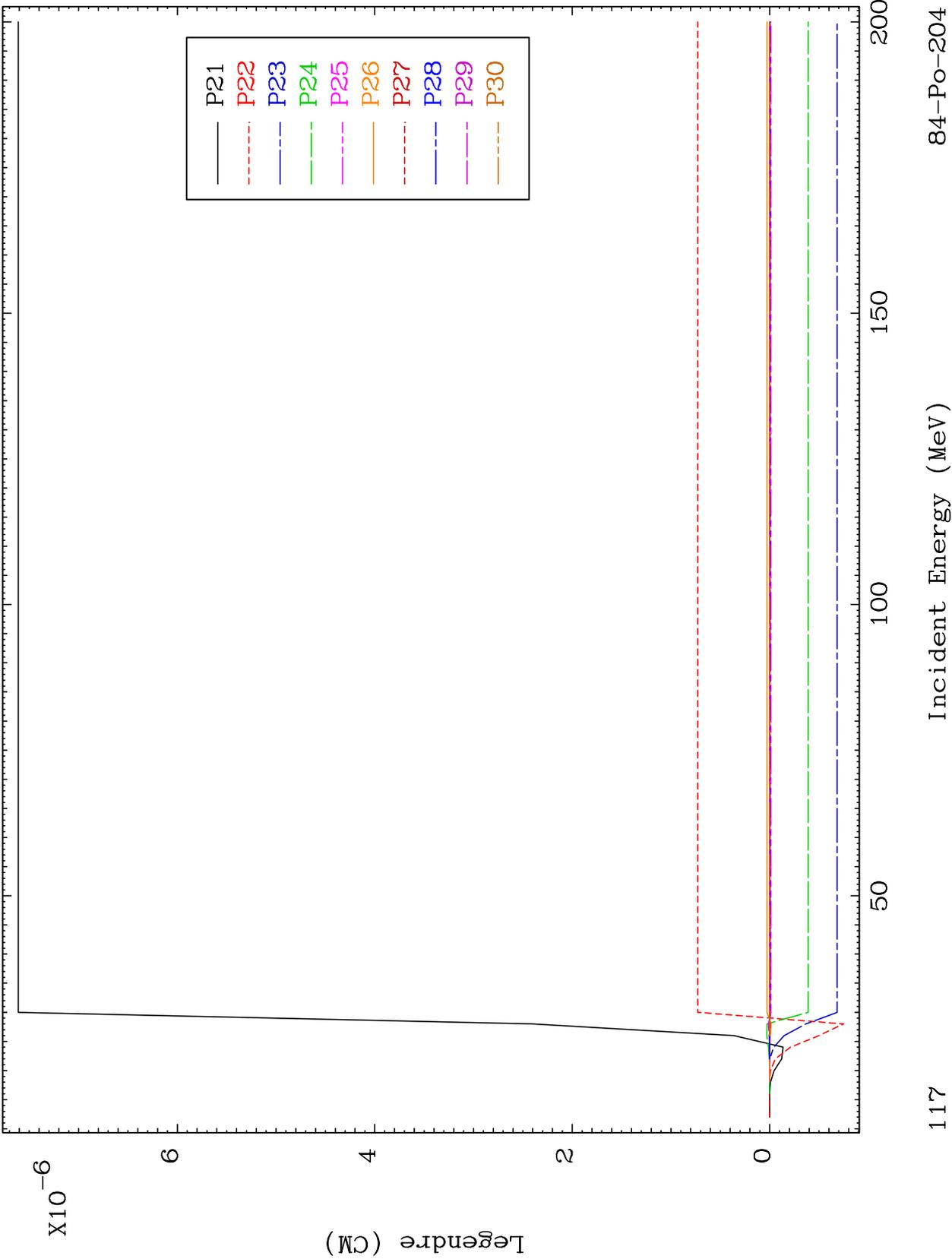
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



117

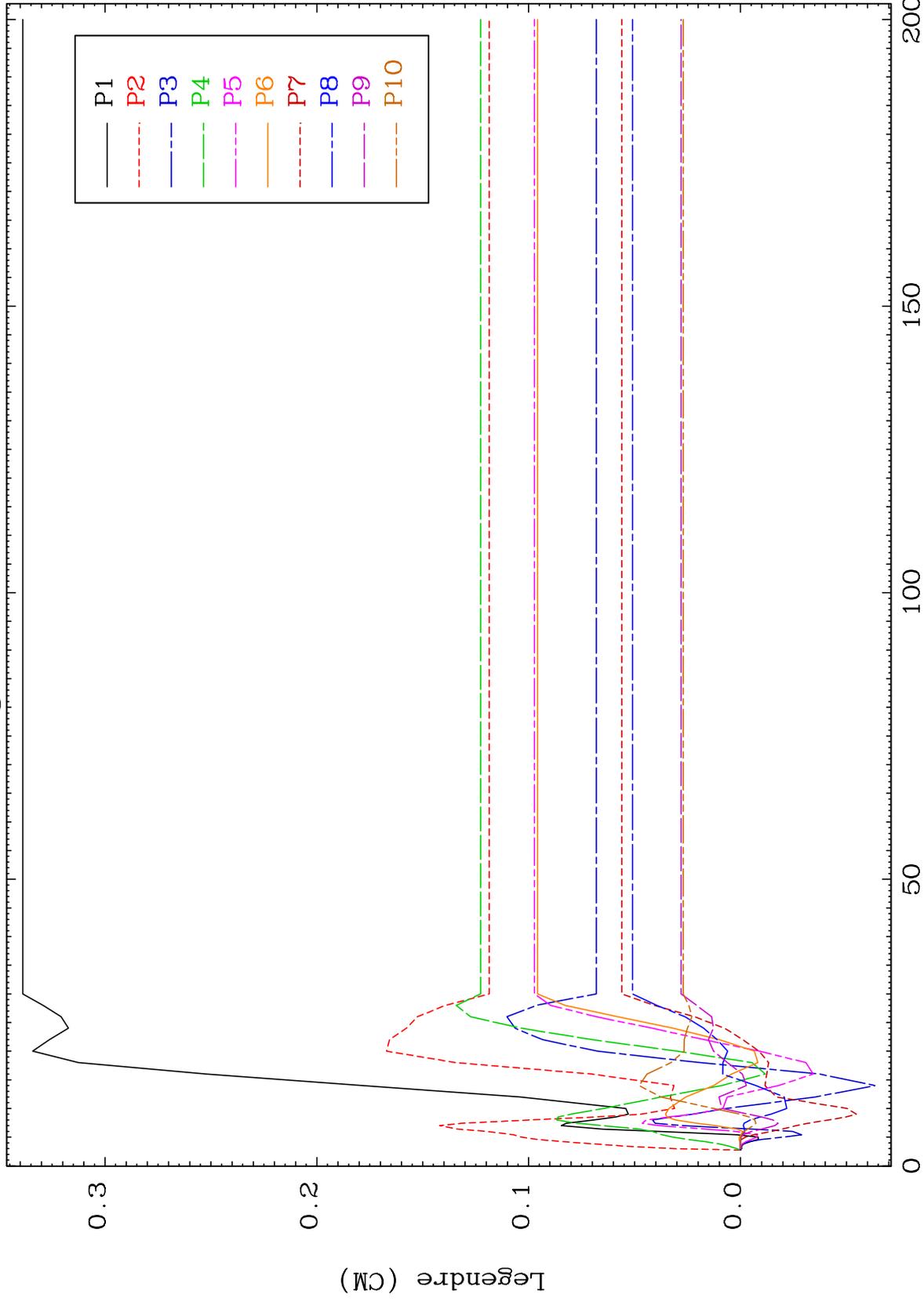
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



118

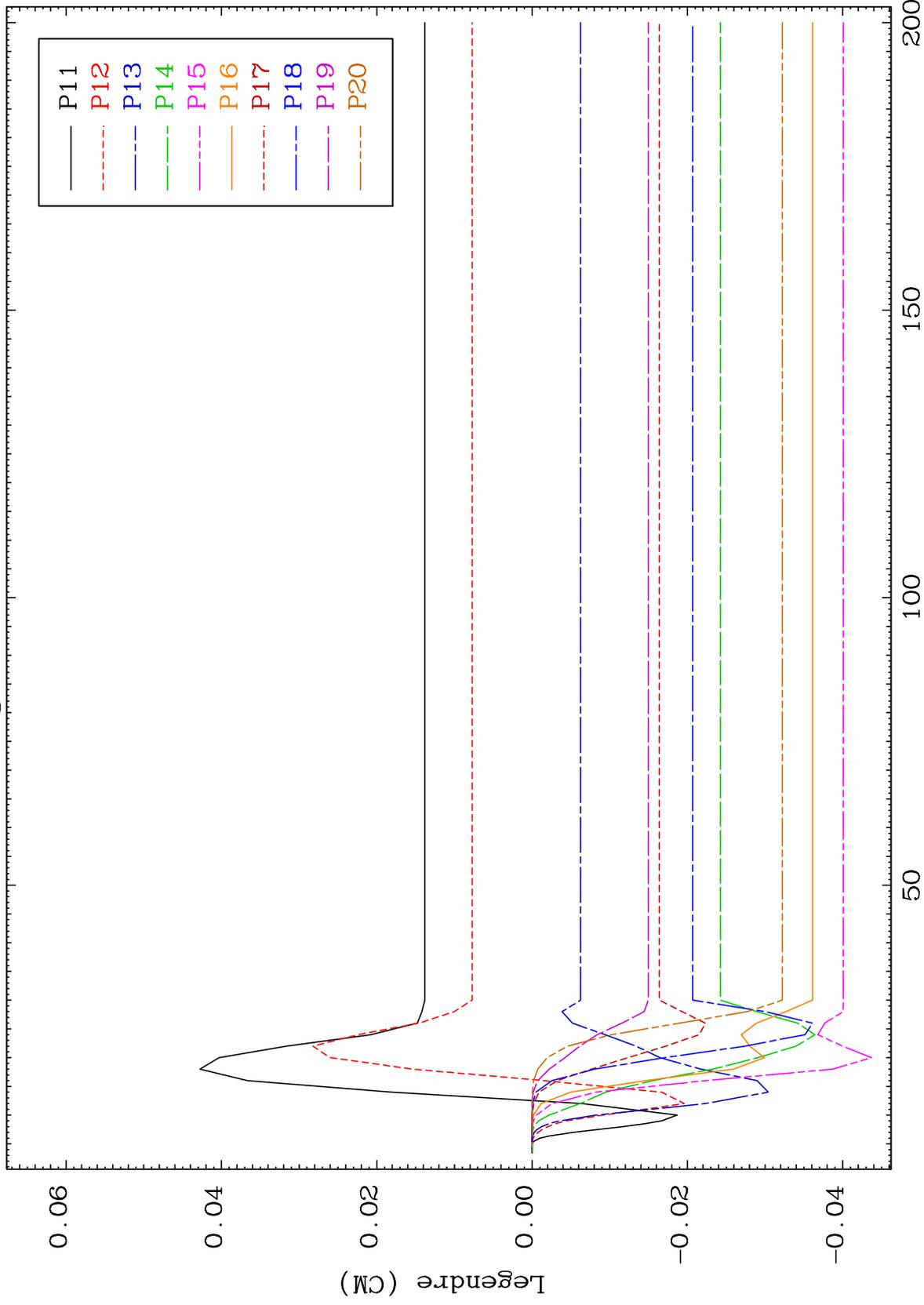
Incident Energy (MeV)

84-Po-204

MAT 8419

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

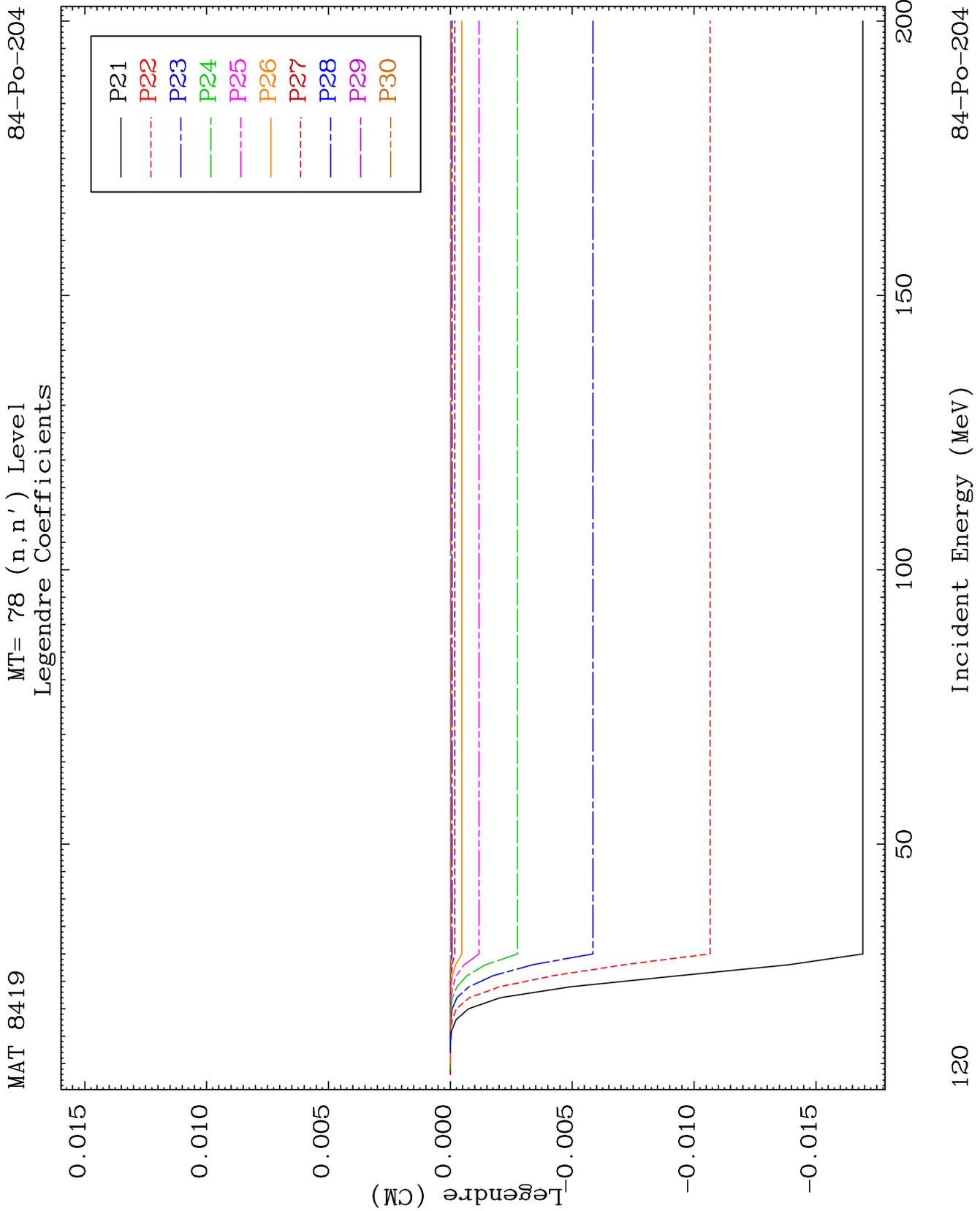
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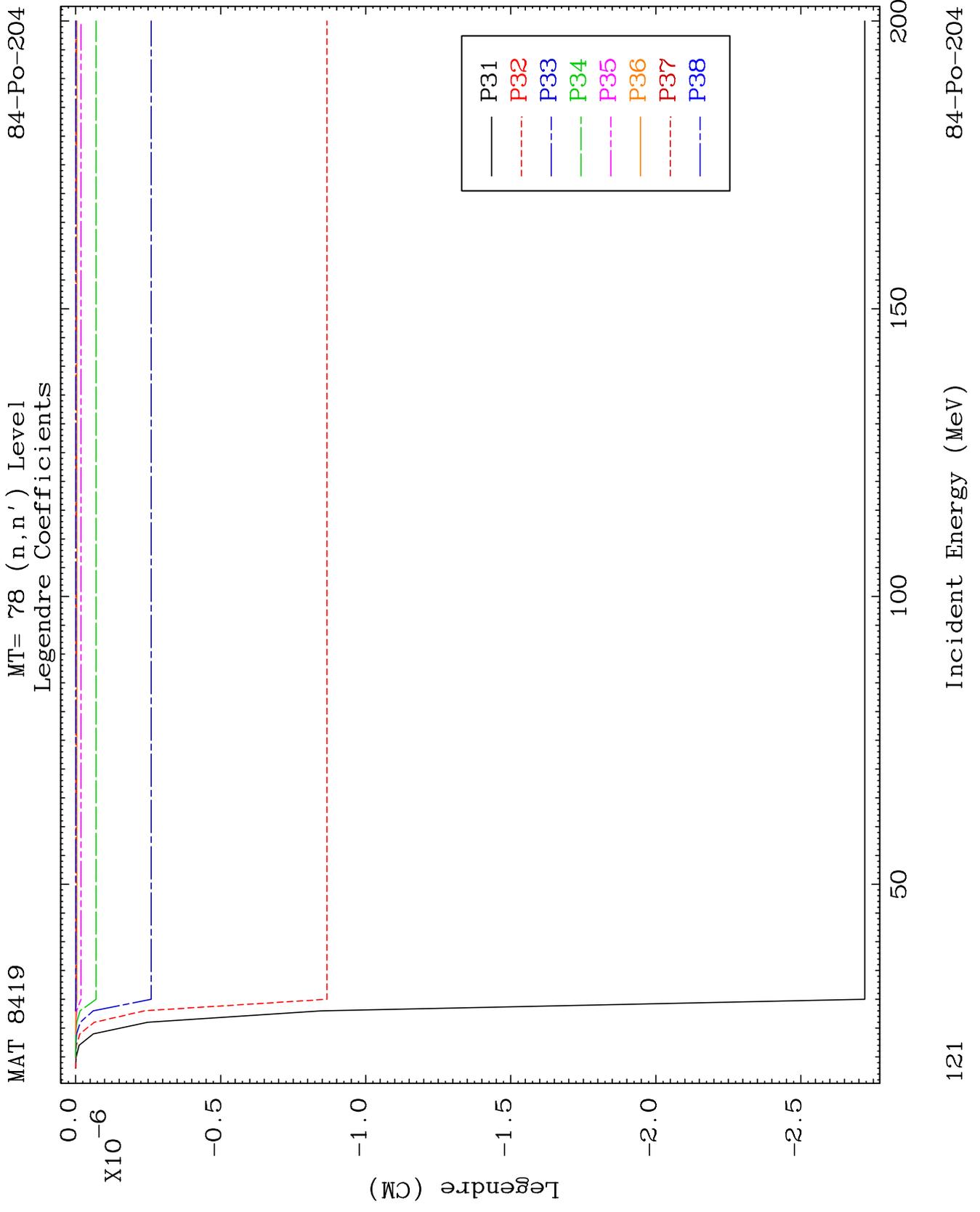


119

Incident Energy (MeV)

84-Po-204

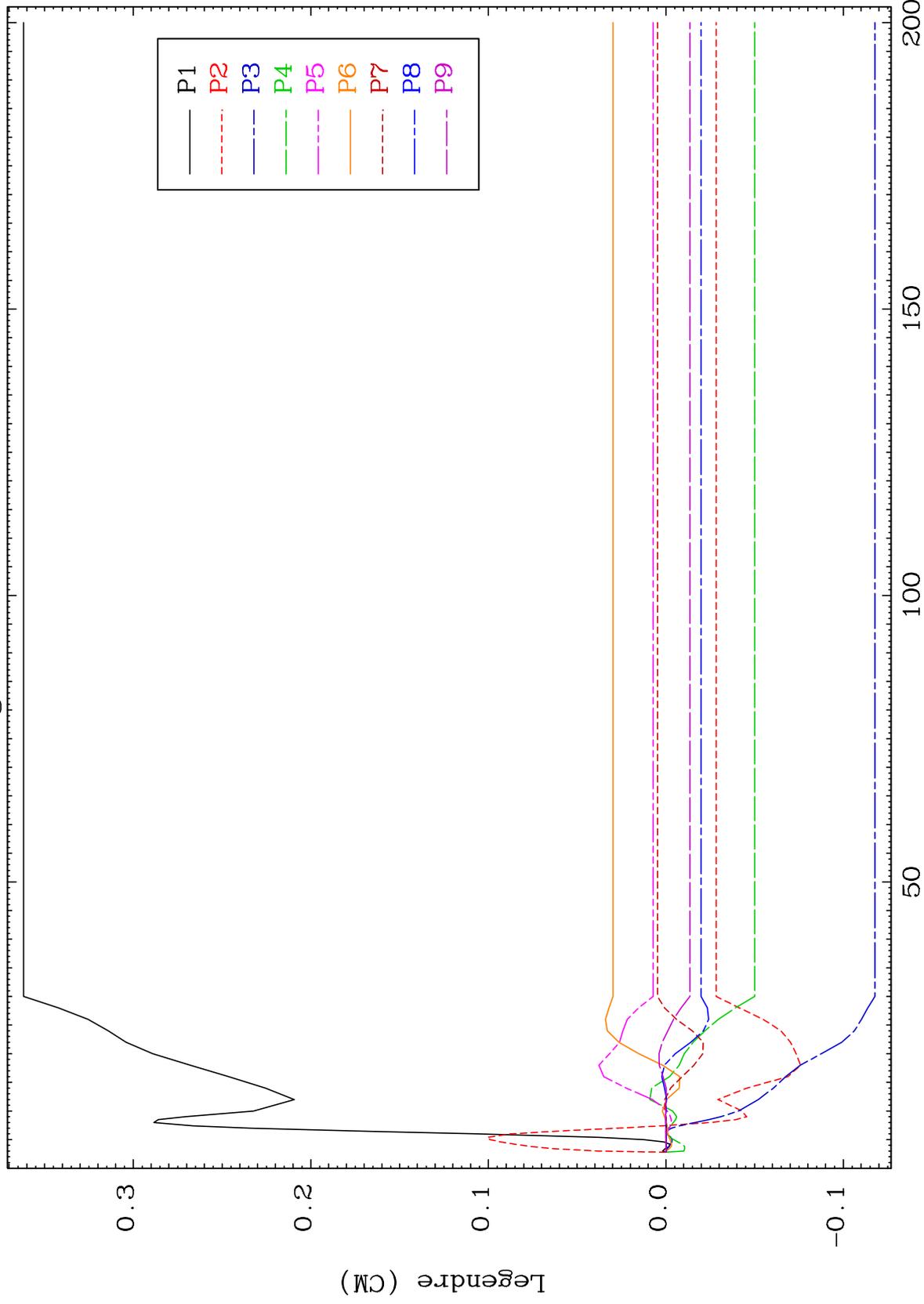




MAT 8419

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

84-Po-204



122

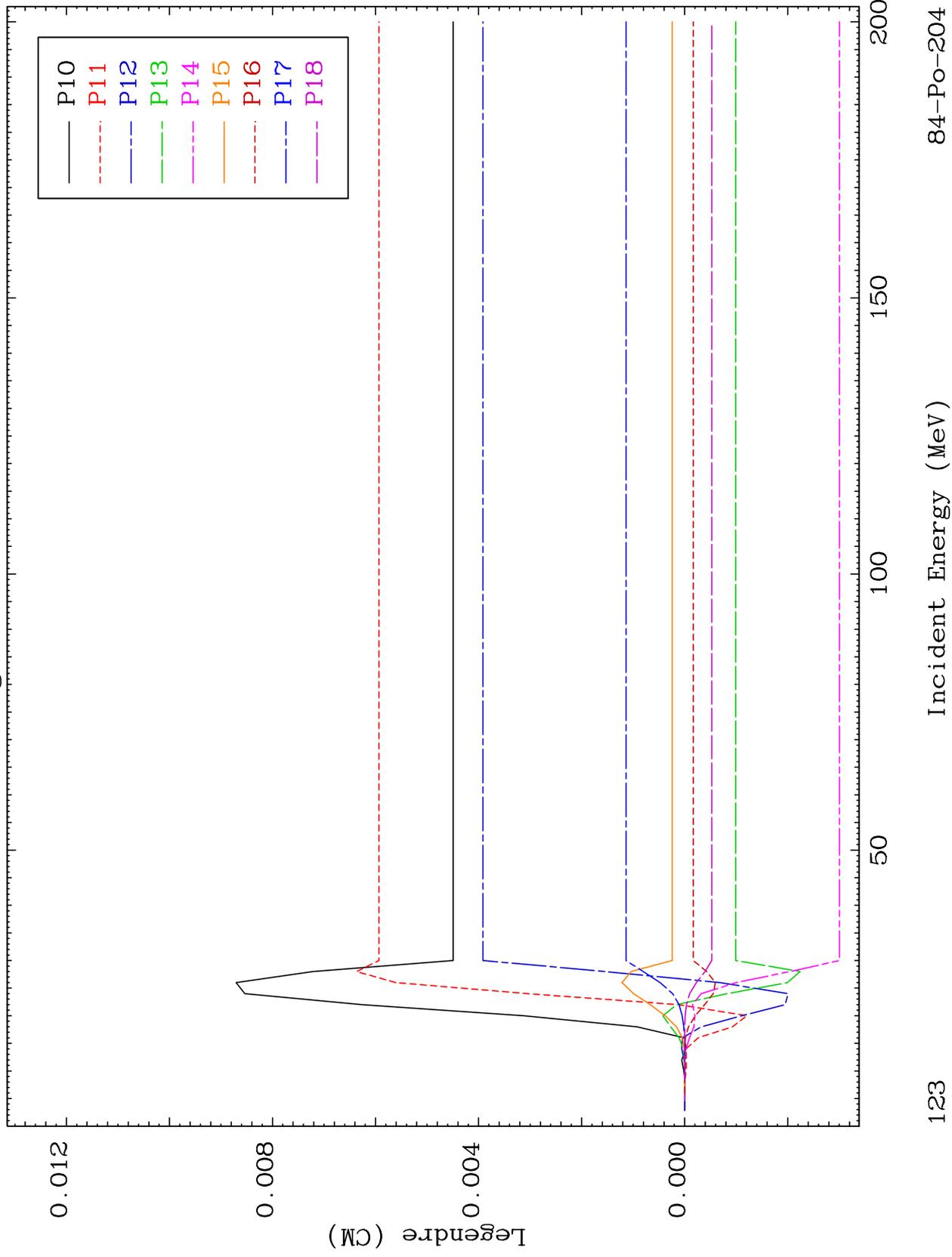
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



123

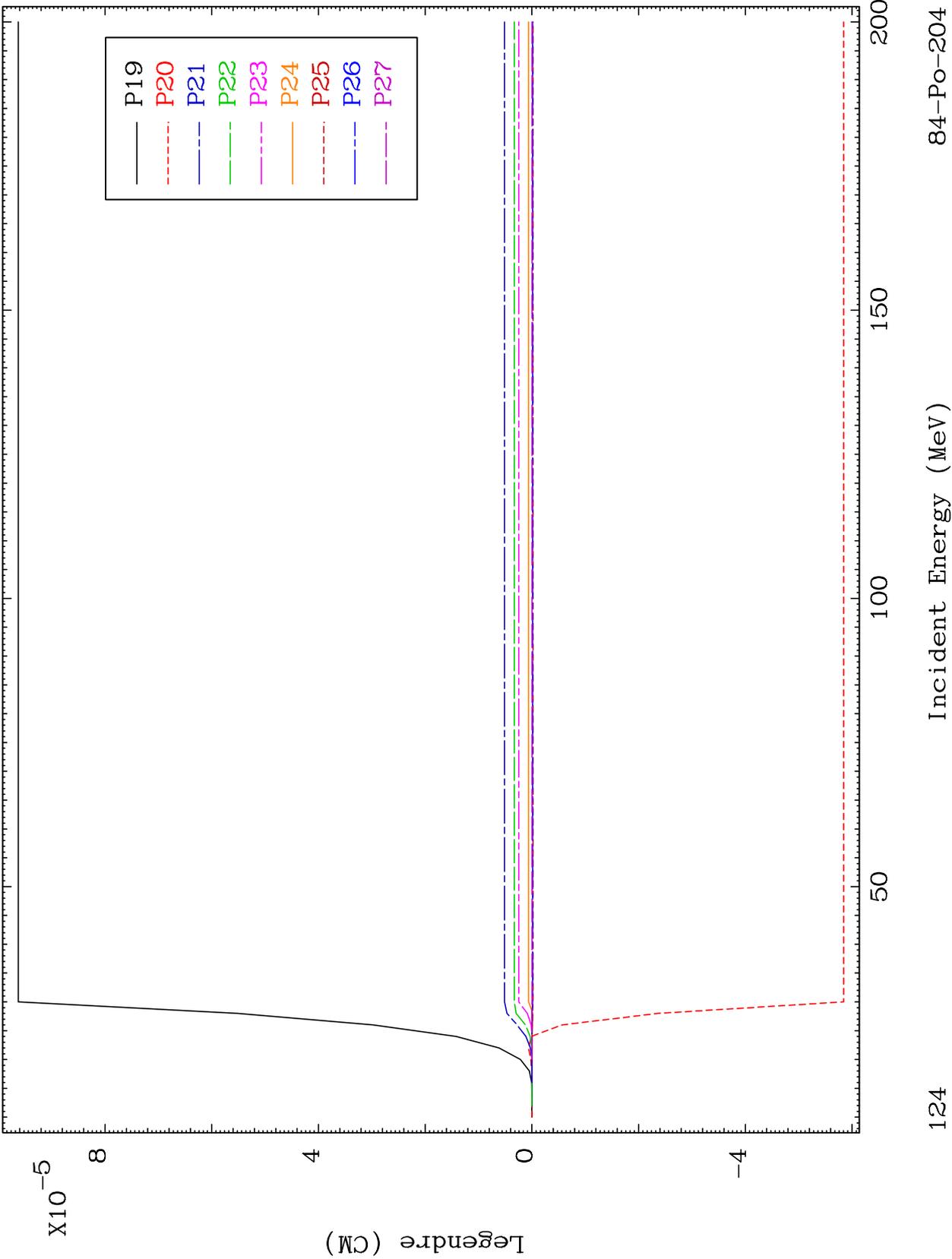
Incident Energy (MeV)

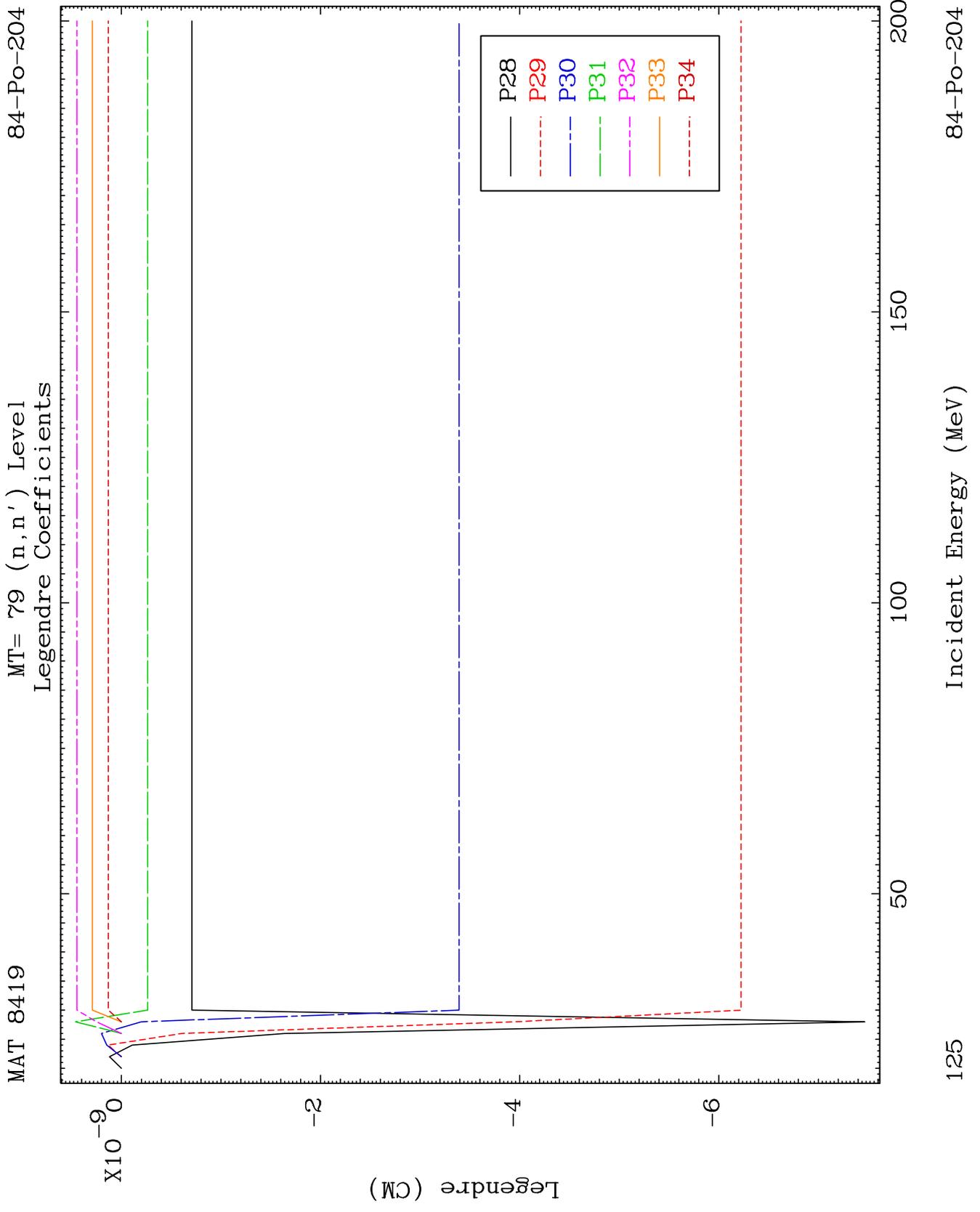
84-Po-204

MAT 8419

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

84-Po-204

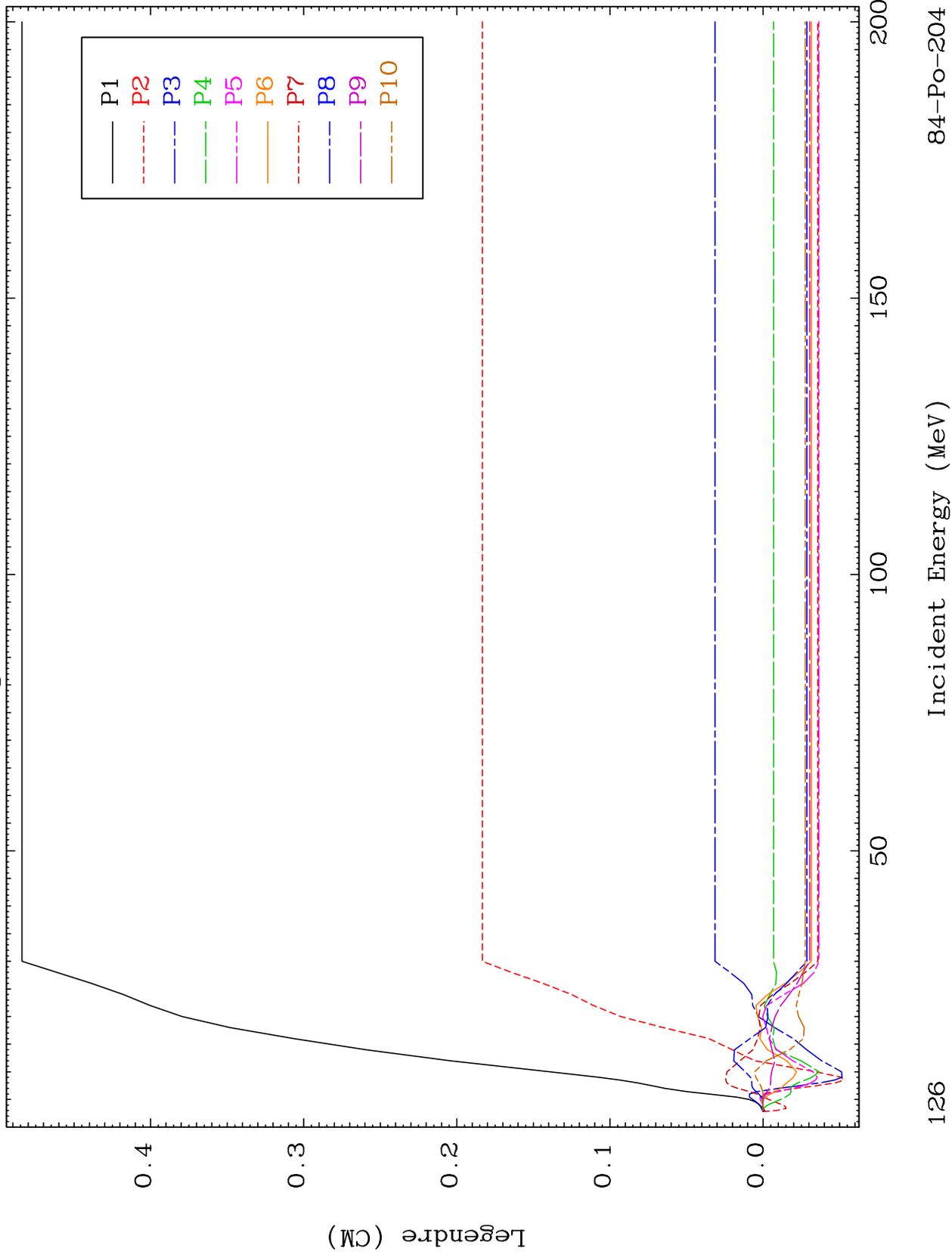




MAT 8419

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

84-Po-204



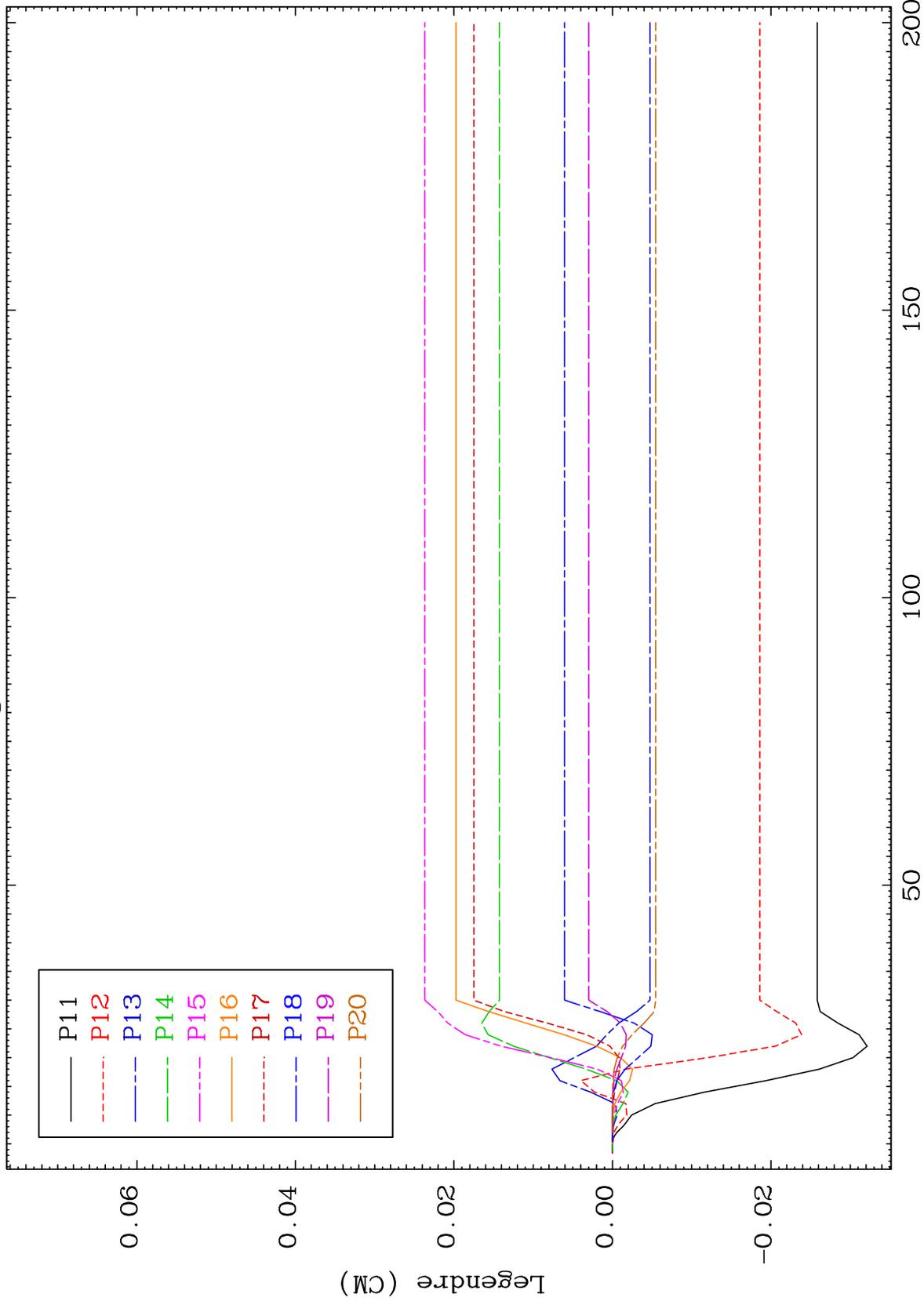
126

84-Po-204

MAT 8419

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

84-Po-204



127

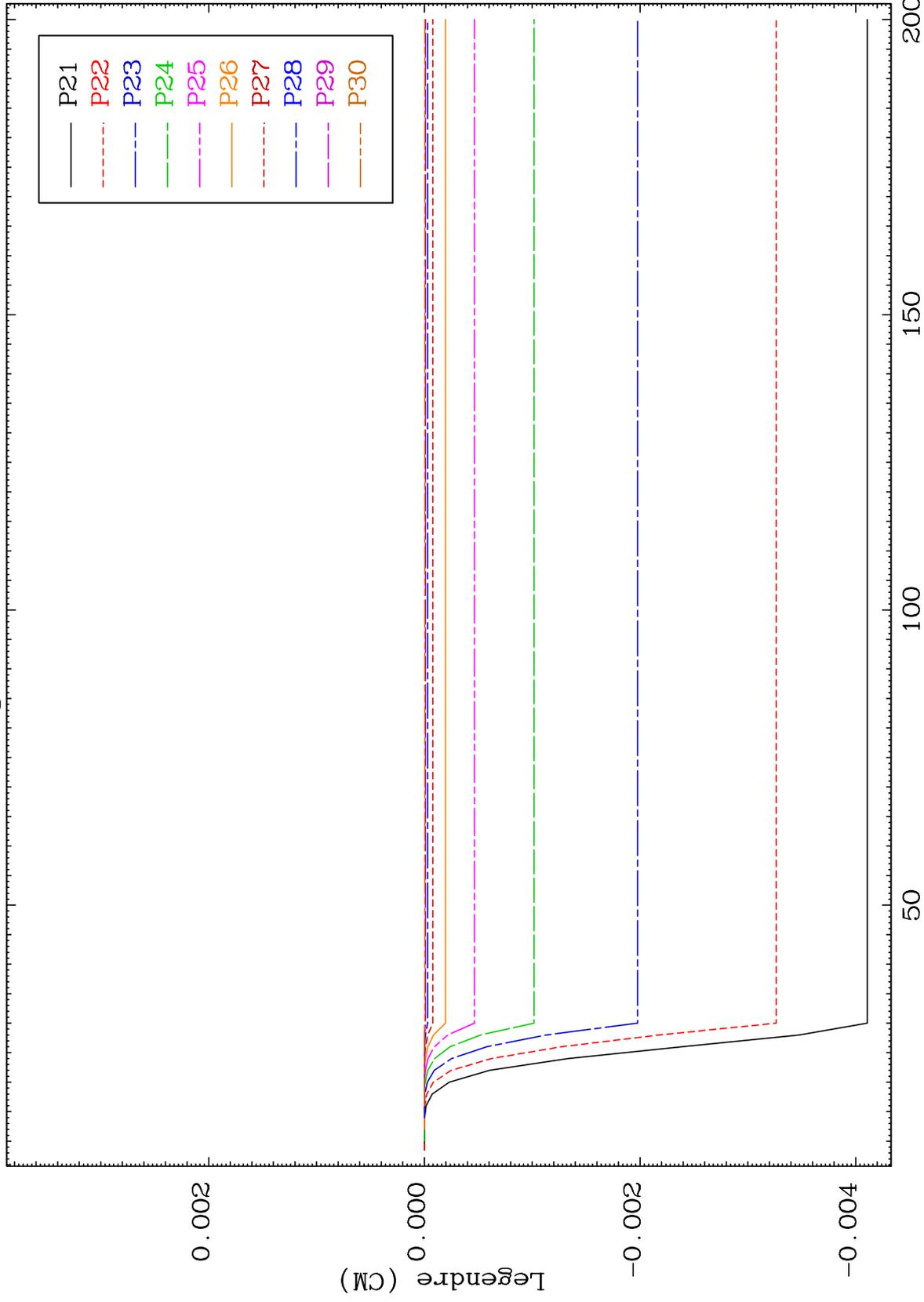
Incident Energy (MeV)

84-Po-204

MAT 8419

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

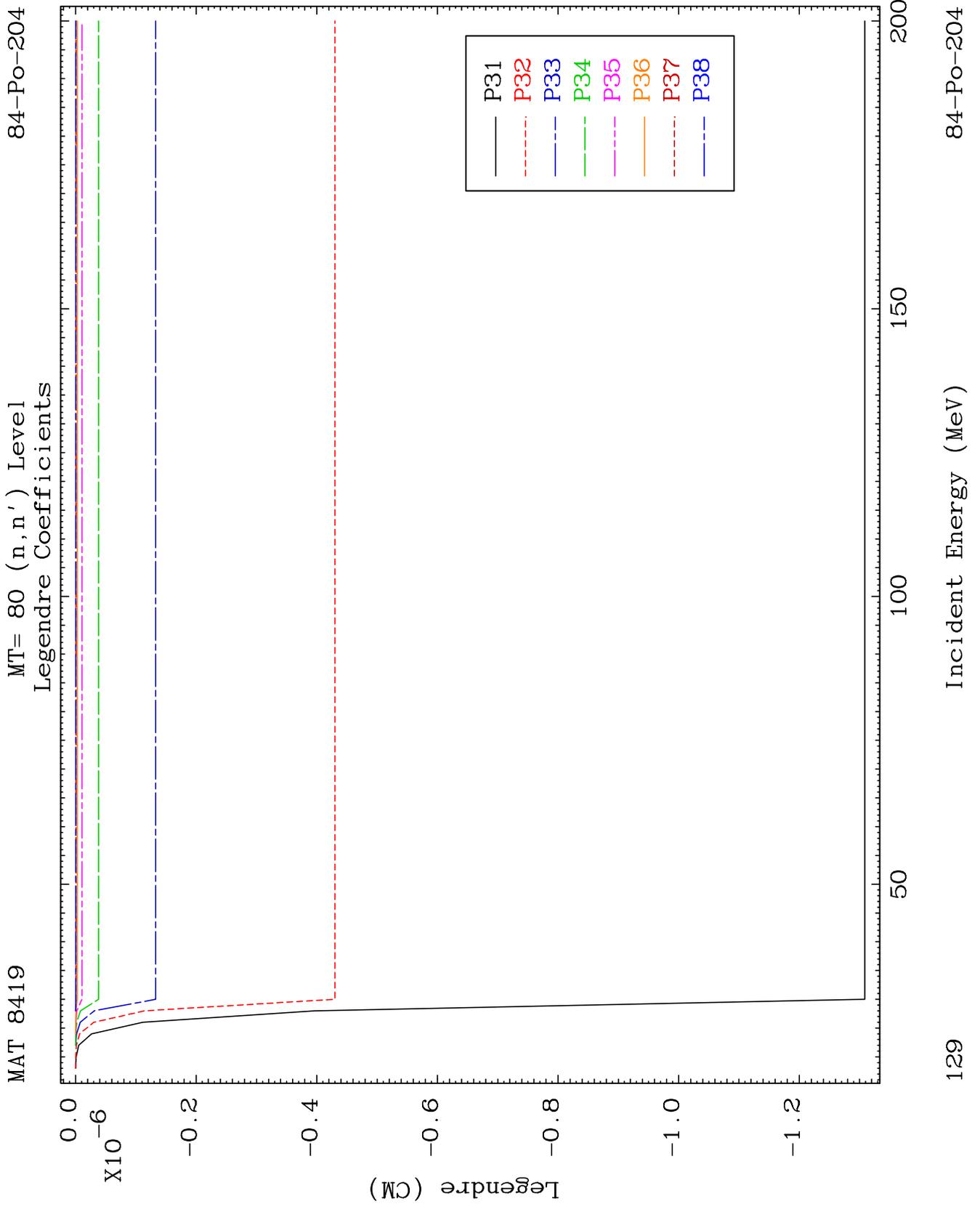
84-Po-204



128

Incident Energy (MeV)

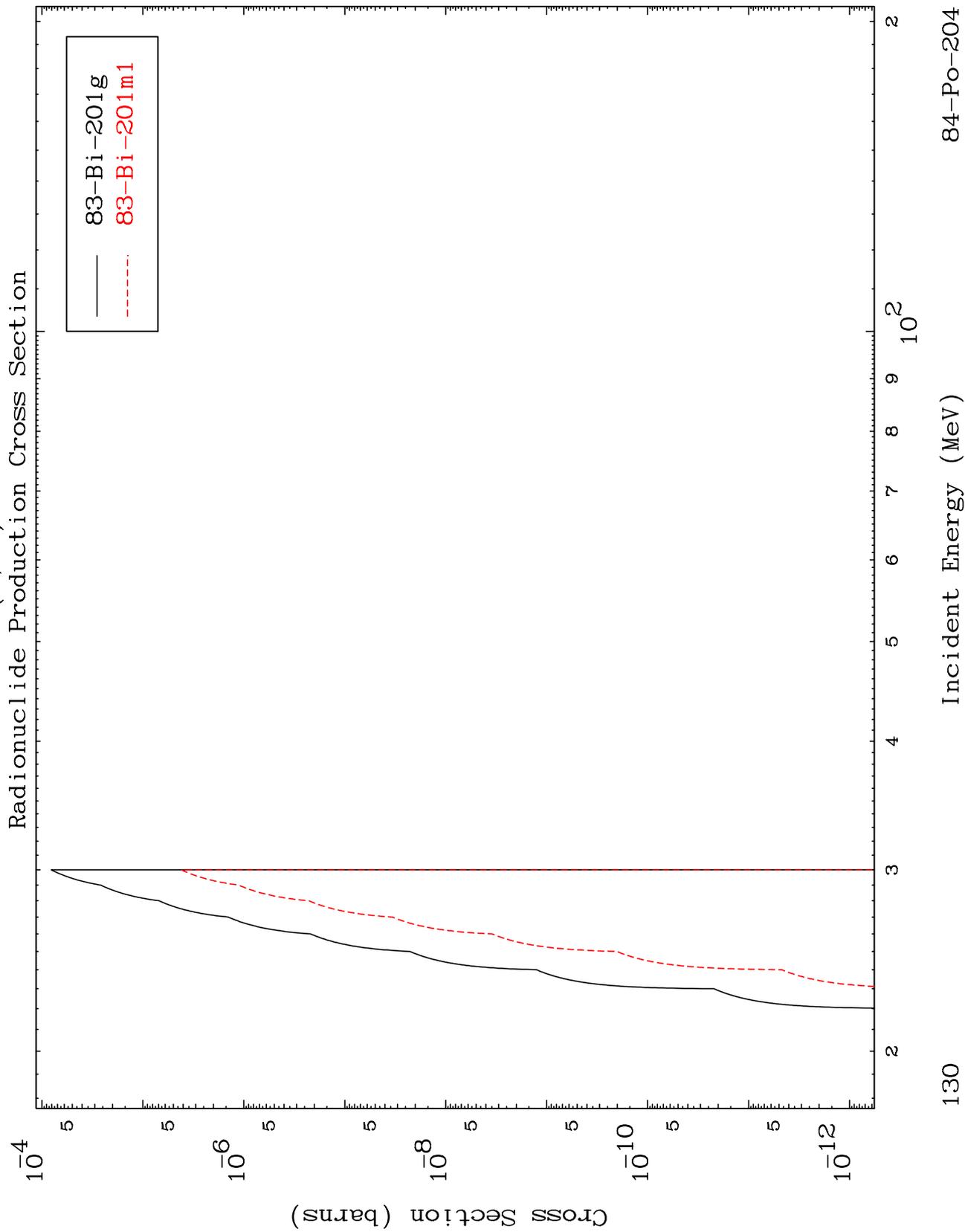
84-Po-204



MAT 8419

(n,2n) d

84-Po-204



130

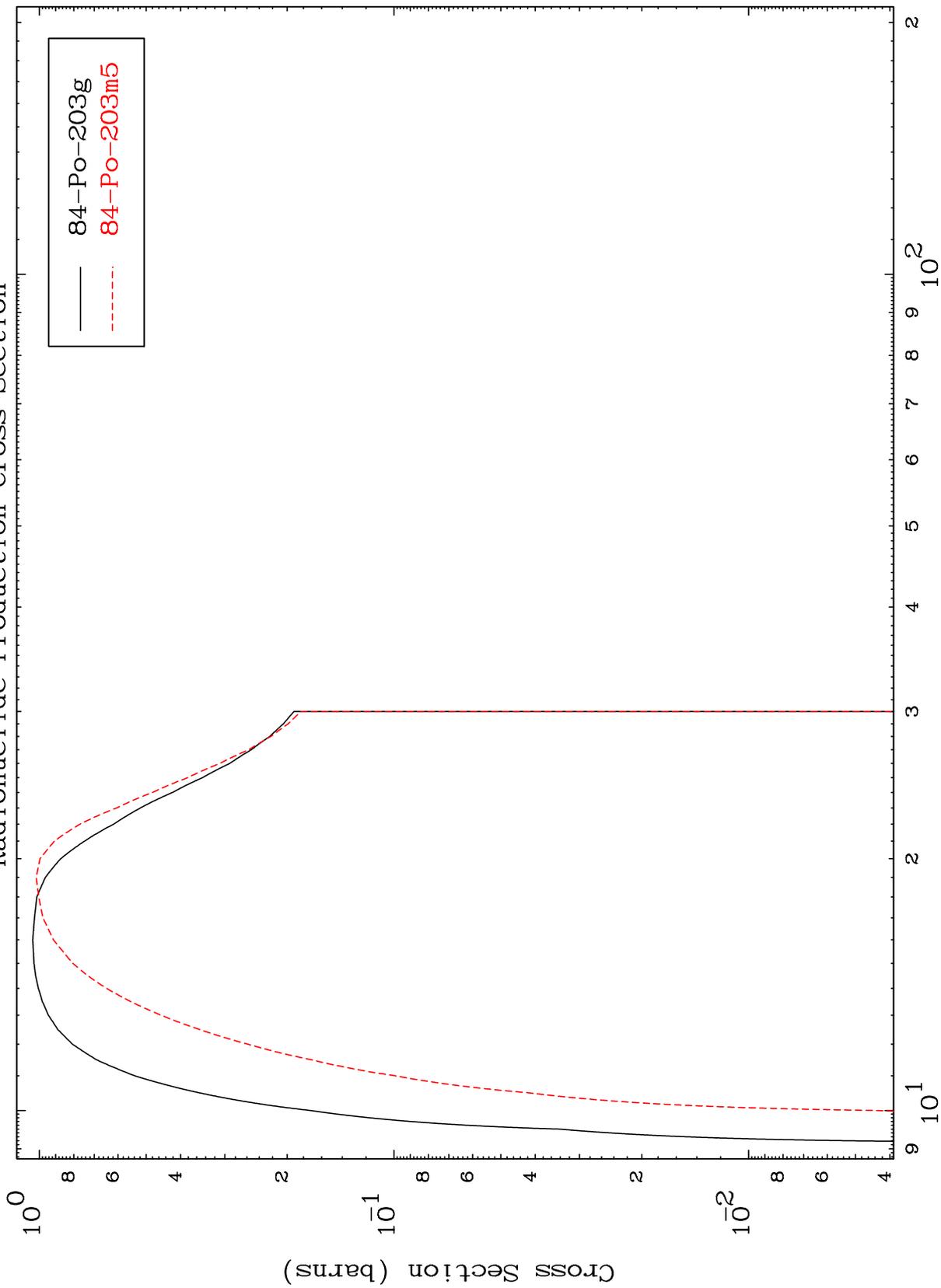
84-Po-204

MAT 8419

84-Po-204

(n,2n)

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-204

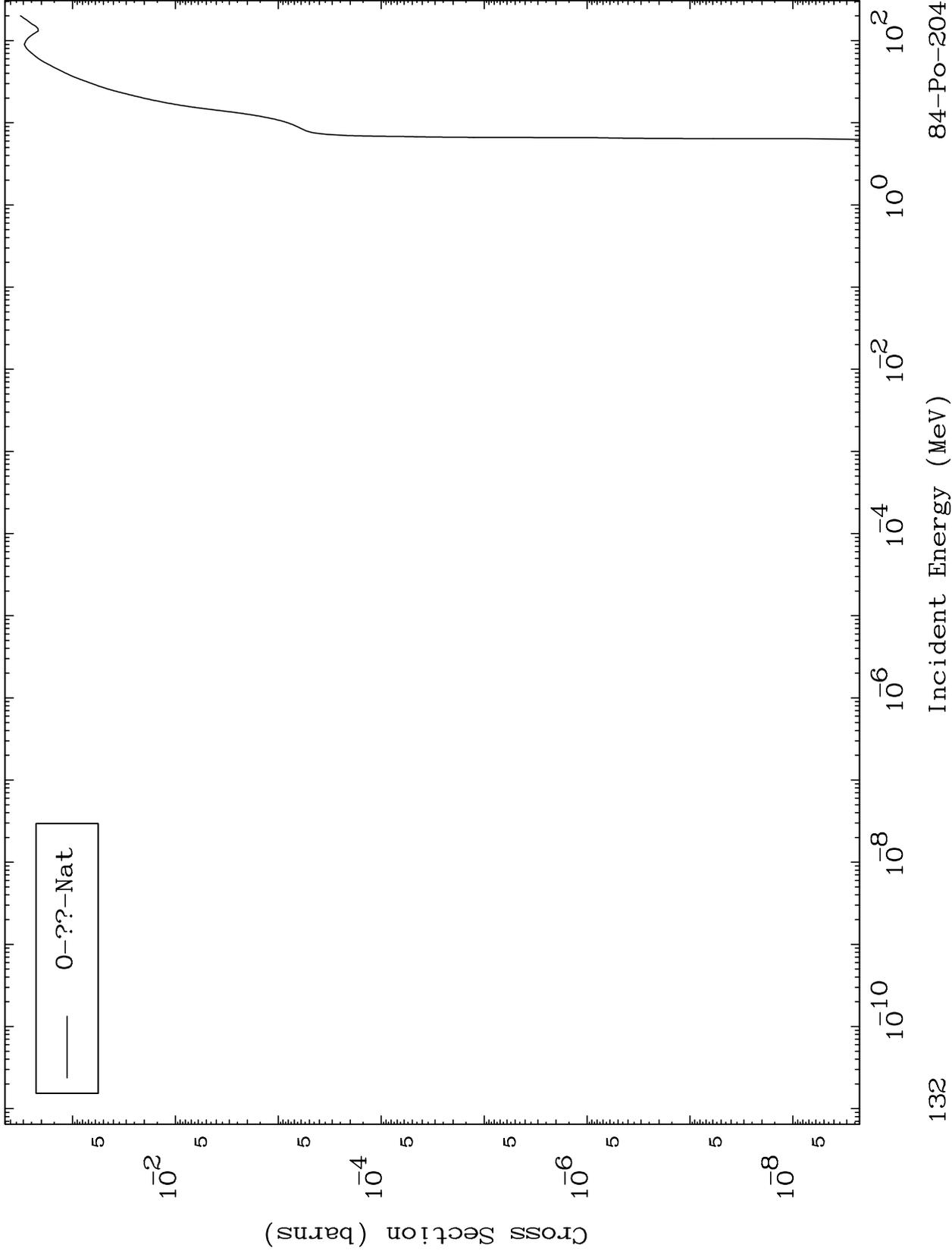
131

MAT 8419

Fission

84-Po-204

Radionuclide Production Cross Section

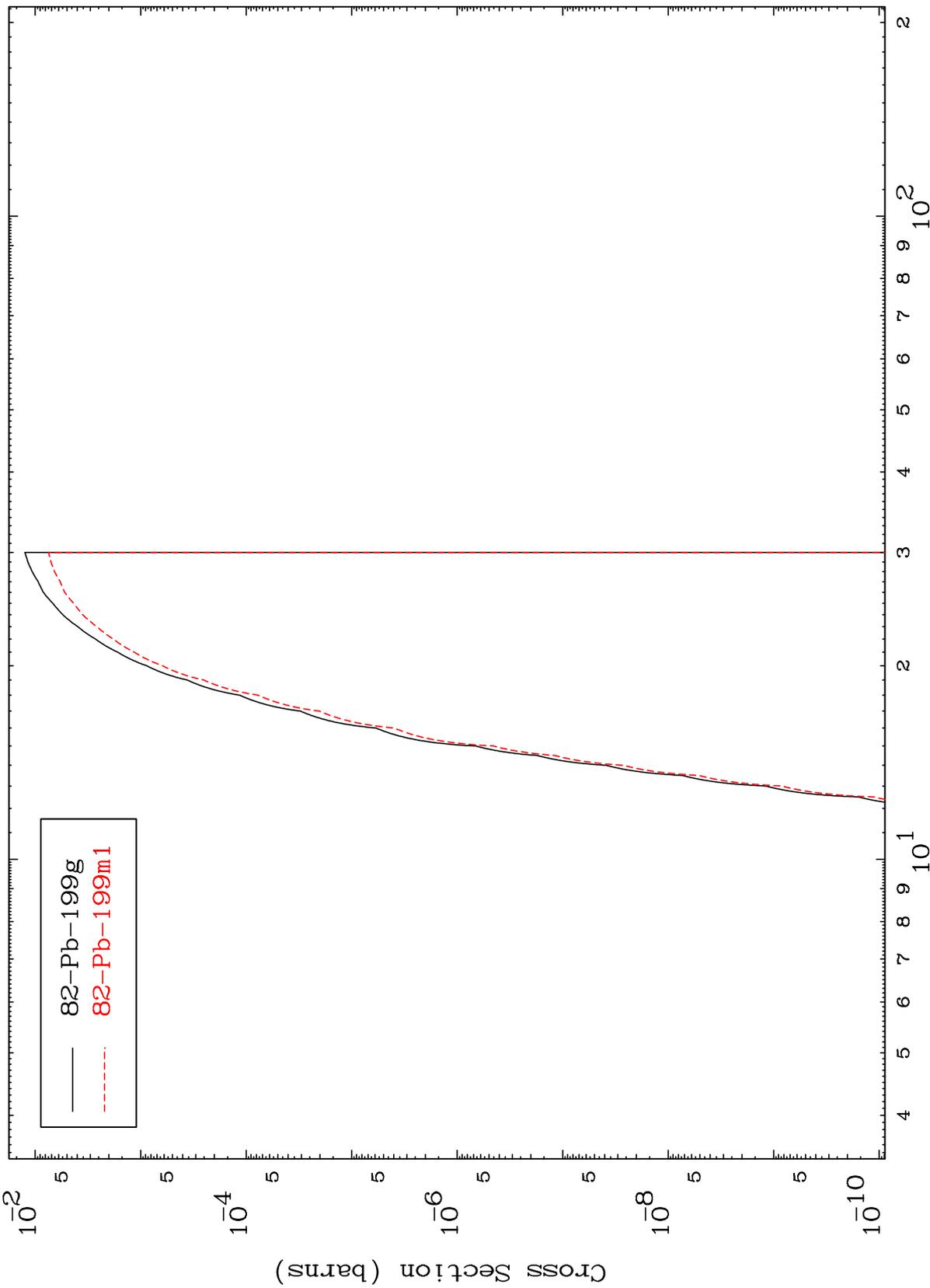


MAT 8419

(n,2n) α

84-Po-204

Radionuclide Production Cross Section



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

133

Incident Energy (MeV)

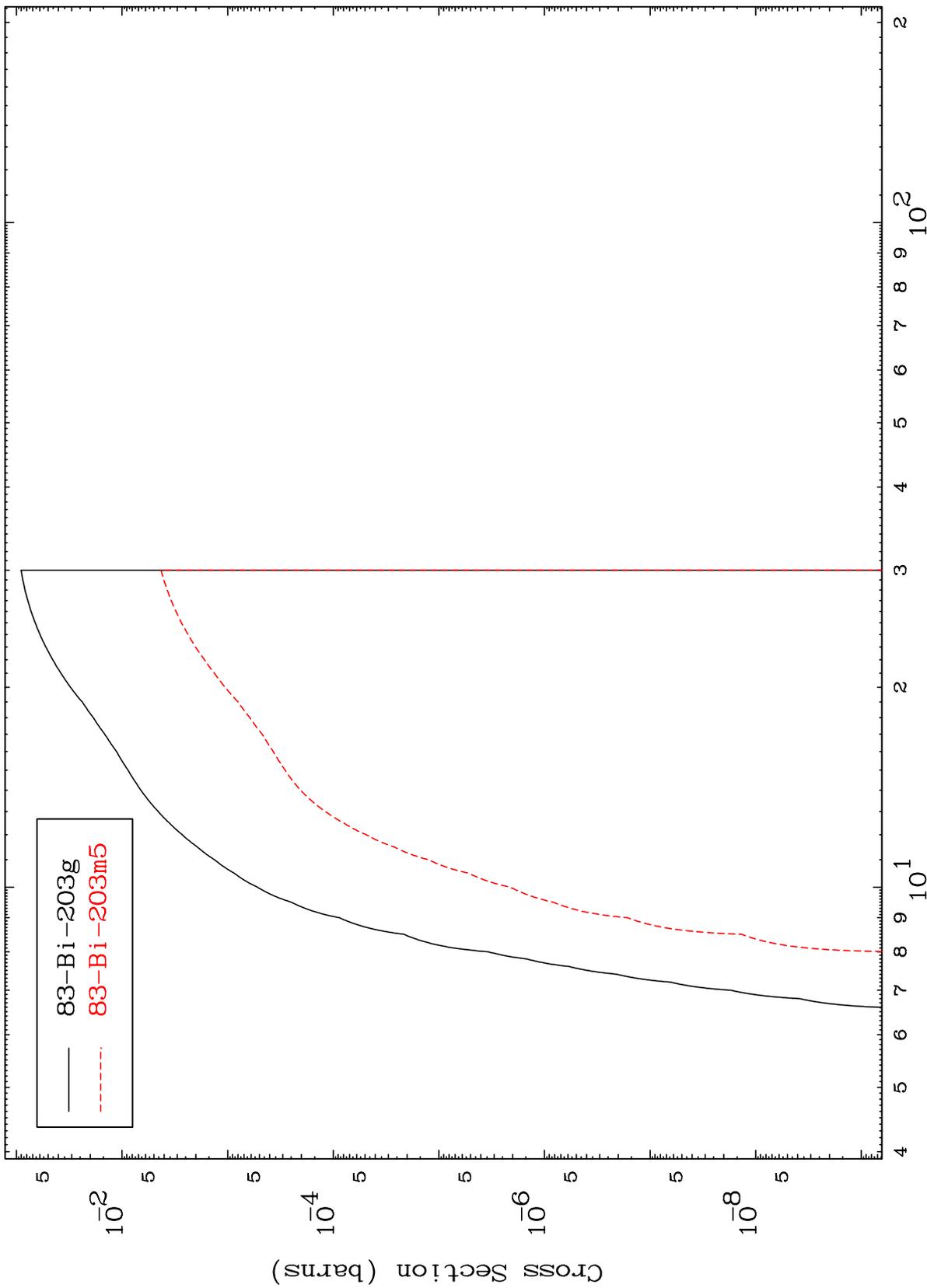
84-Po-204

MAT 8419

(n,n') p

84-Po-204

Radionuclide Production Cross Section



83-Bi-203g
83-Bi-203m5

134

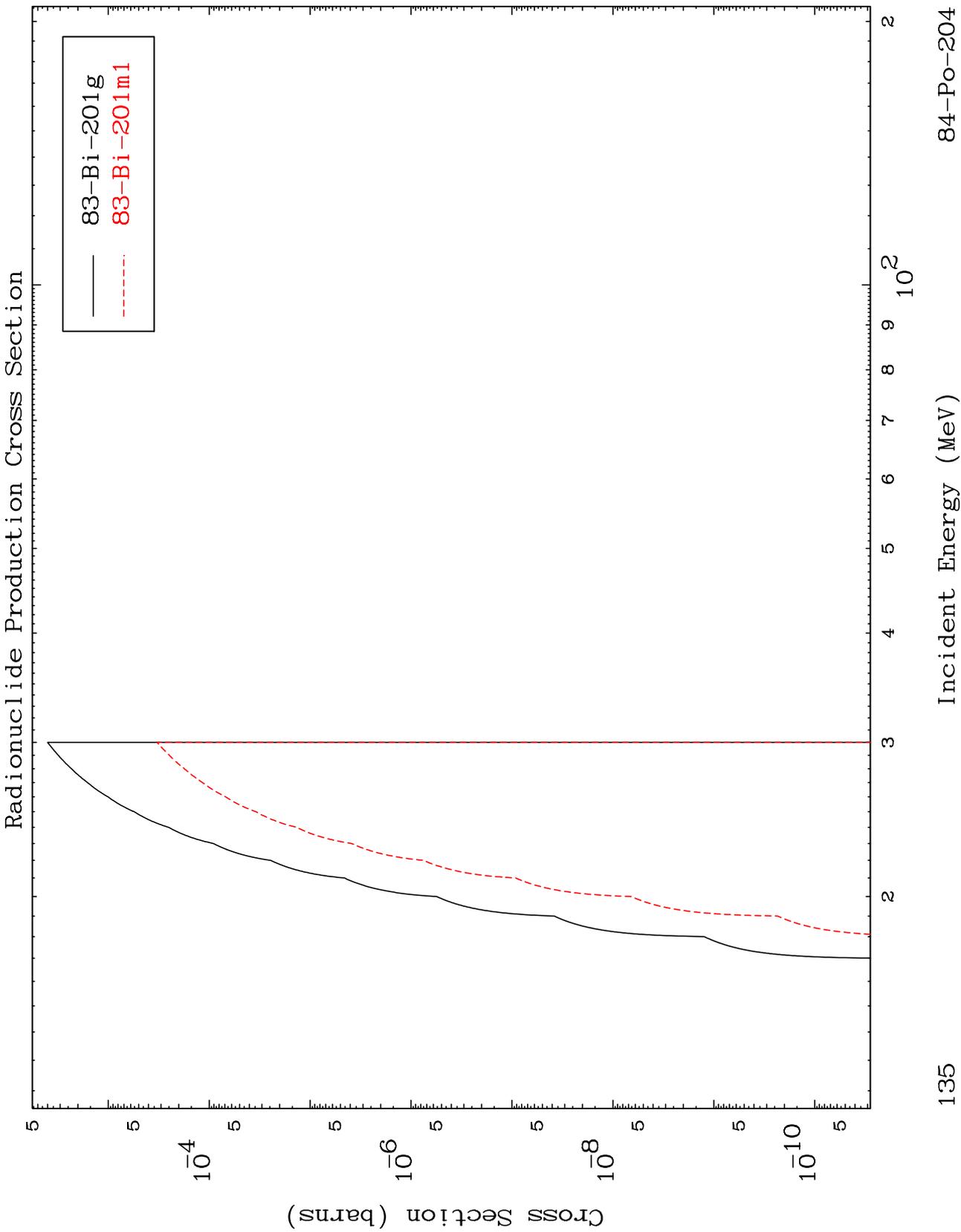
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,n') t

84-Po-204



135

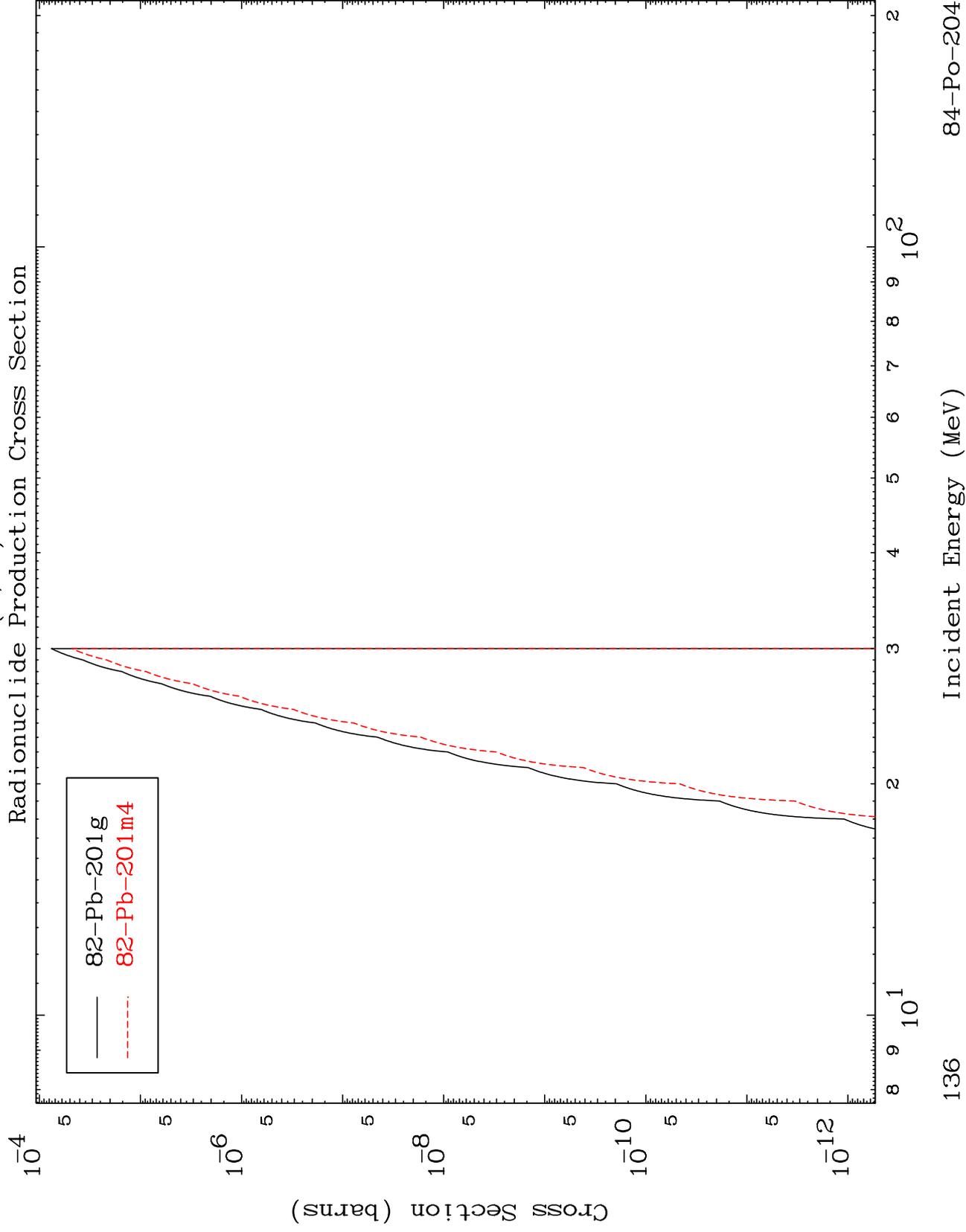
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,n') He-3

84-Po-204



136

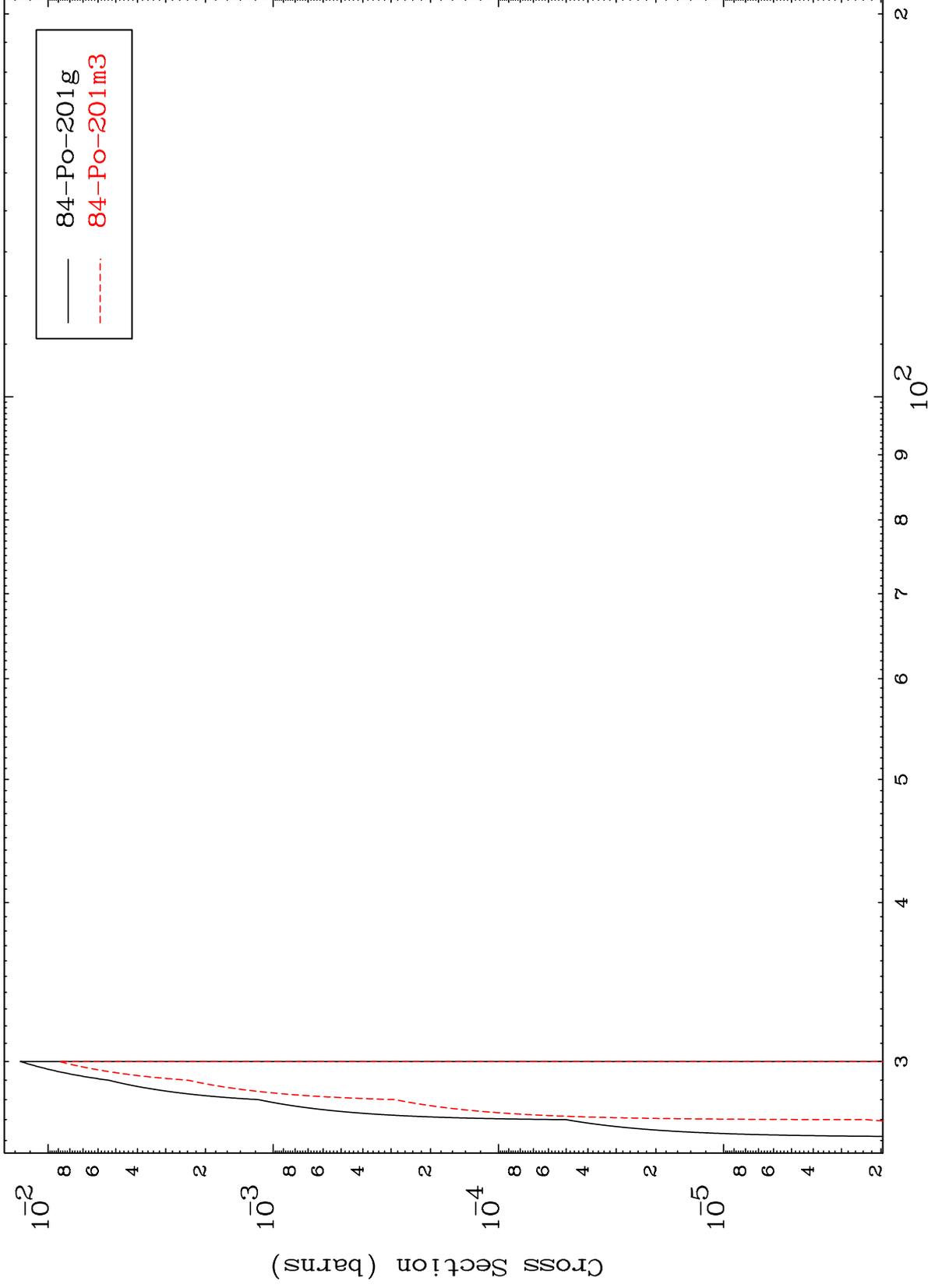
84-Po-204

MAT 8419

(n,4n)

84-Po-204

Radionuclide Production Cross Section



137

Incident Energy (MeV)

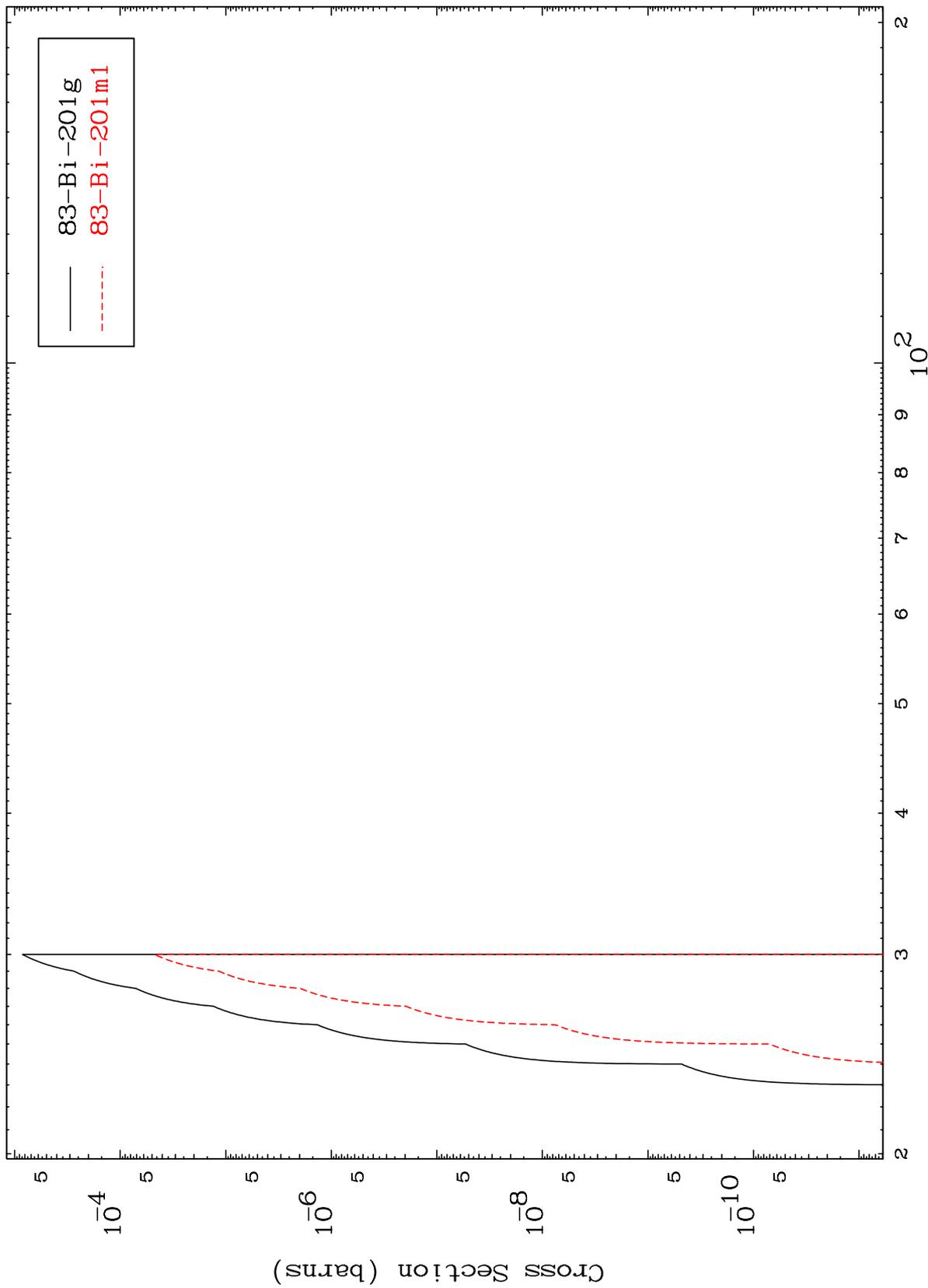
84-Po-204

MAT 8419

(n,3n) p

84-Po-204

Radionuclide Production Cross Section



138

Incident Energy (MeV)

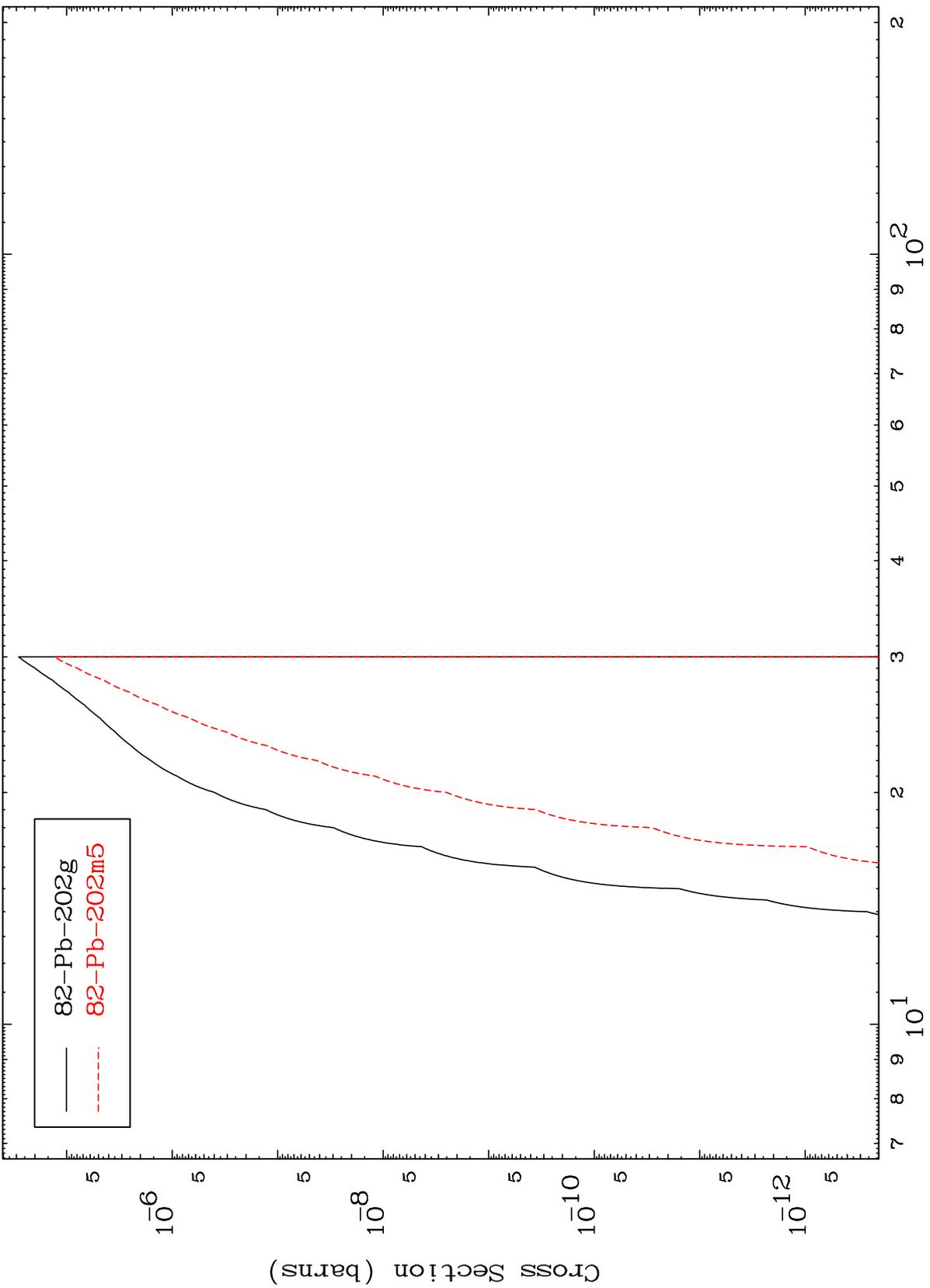
84-Po-204

MAT 8419

(n,2n) p

84-Po-204

Radionuclide Production Cross Section



82-Pb-202g
82-Pb-202m5

139

Incident Energy (MeV)

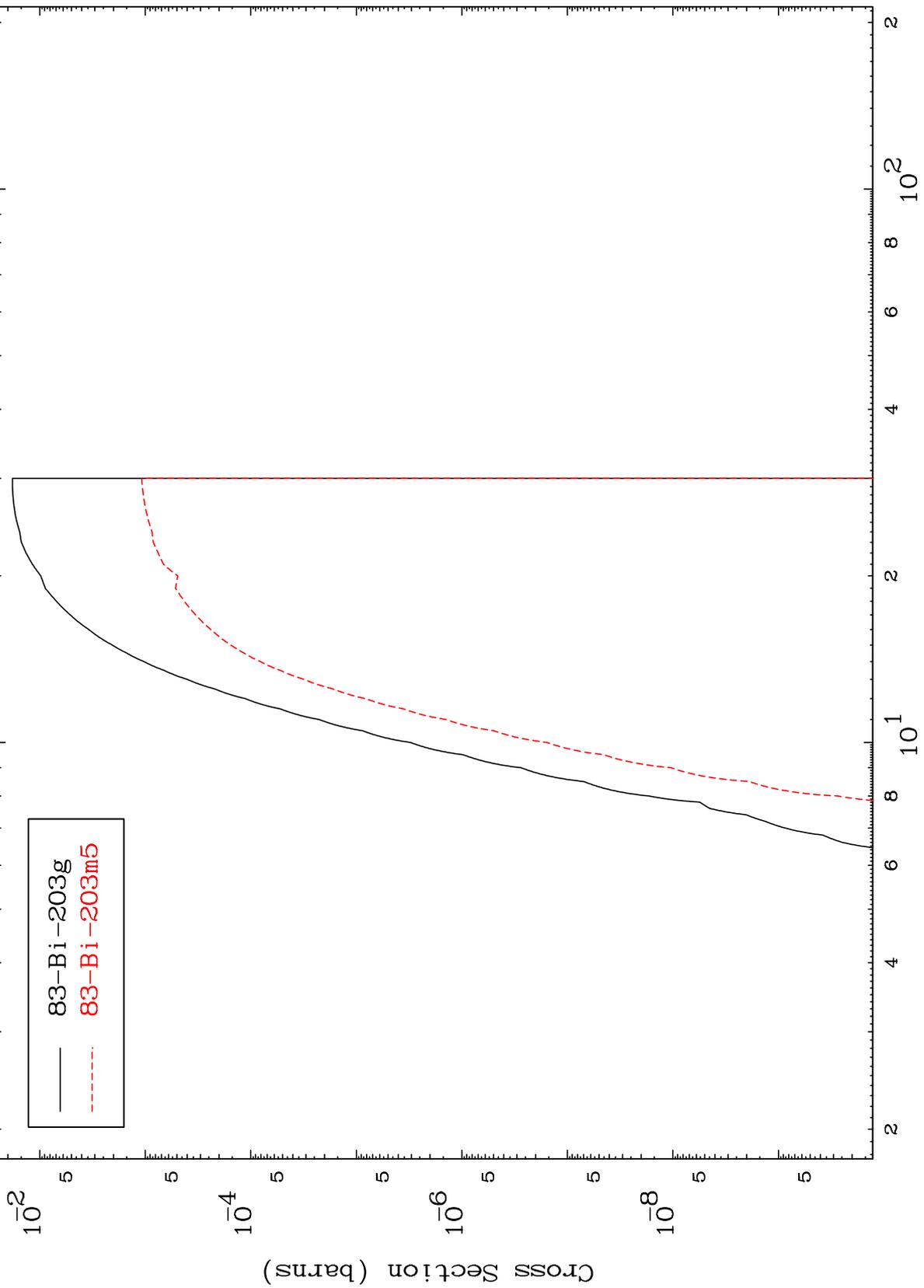
84-Po-204

MAT 8419

(n,d)

84-Po-204

Radionuclide Production Cross Section



83-Bi-203g
83-Bi-203m5

140

Incident Energy (MeV)

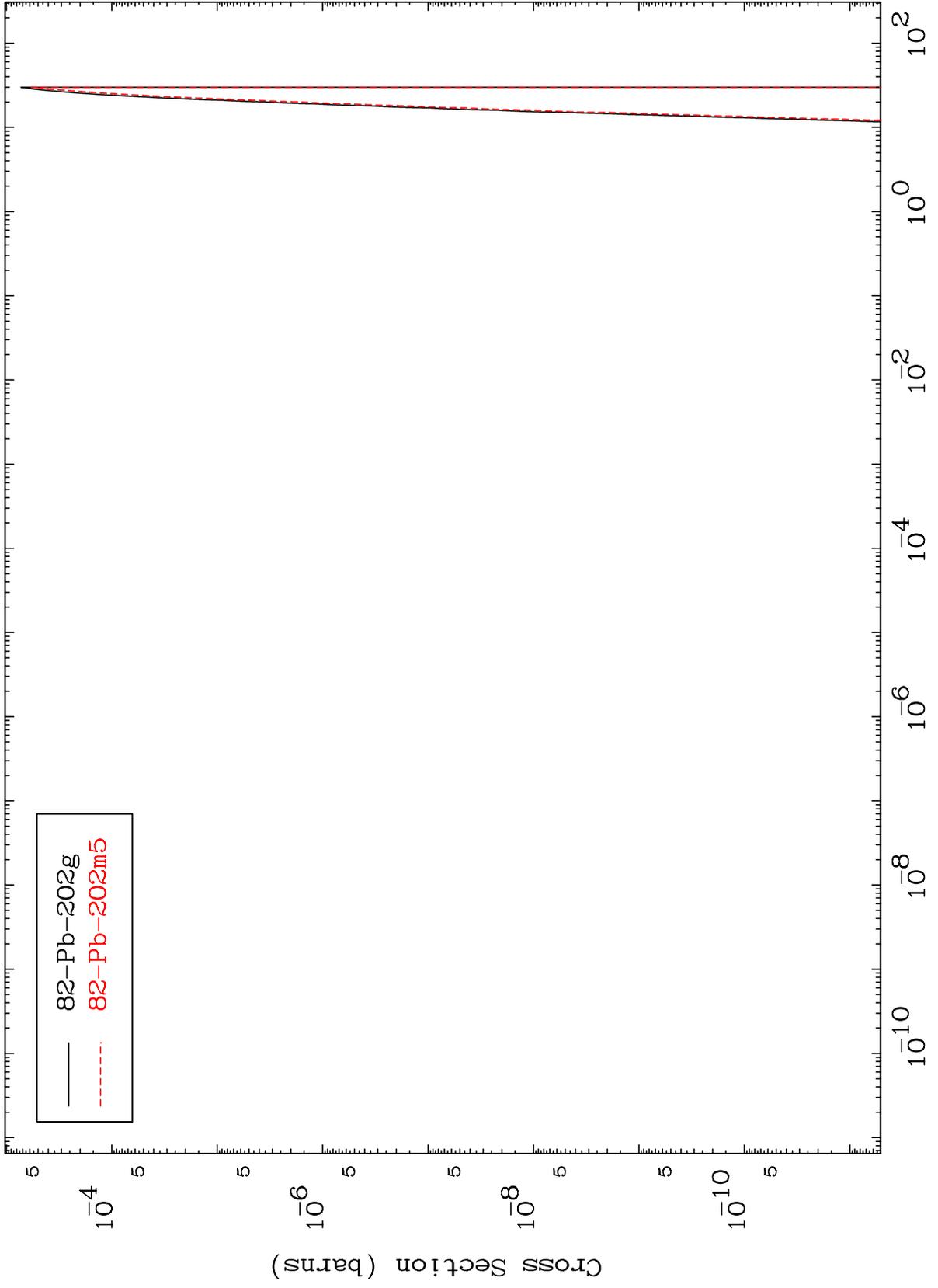
84-Po-204

MAT 8419

(n,He-3)

84-Po-204

Radionuclide Production Cross Section



82-Pb-202g
82-Pb-202m5

141

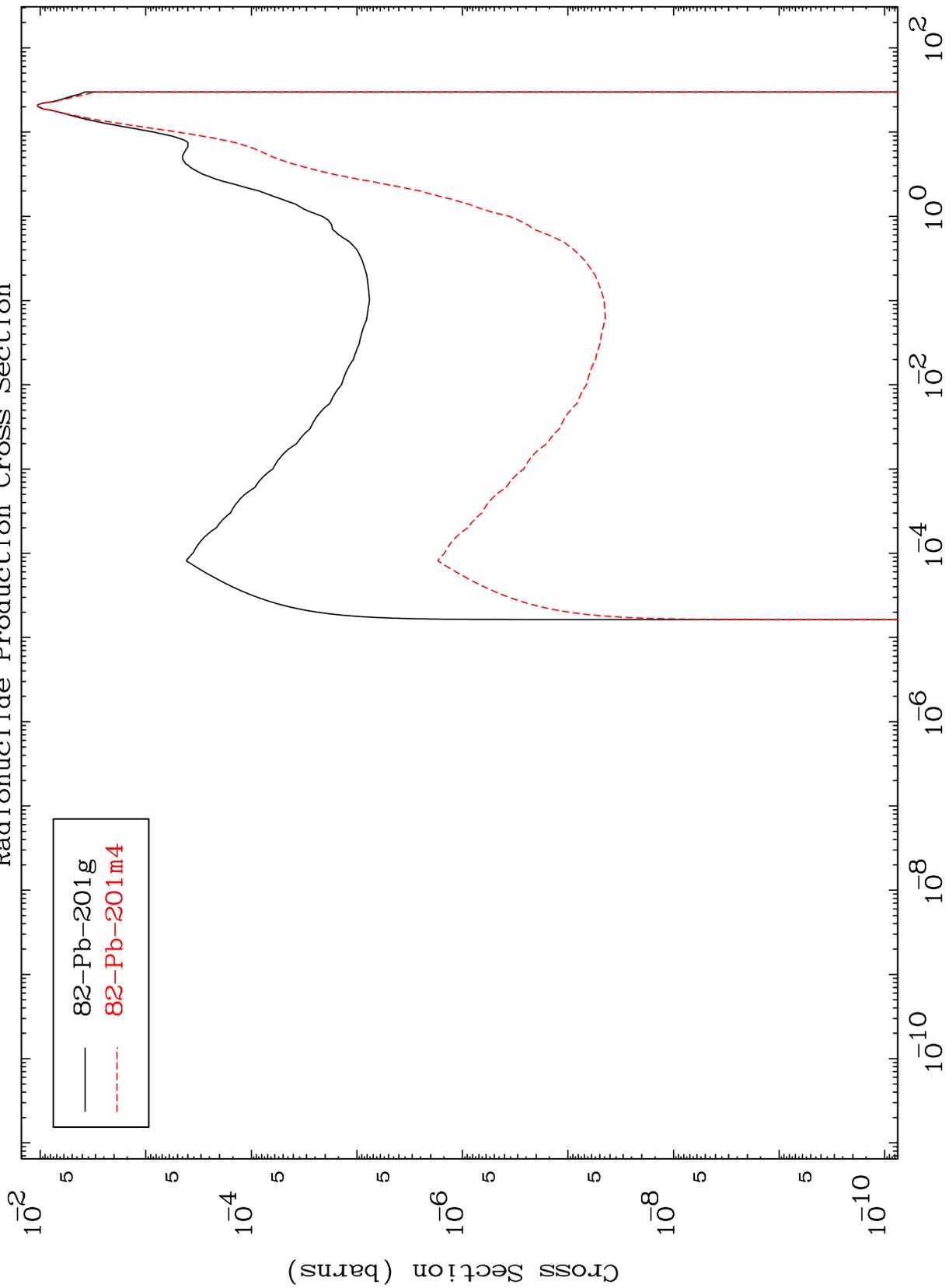
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

(n, α)
Radionuclide Production Cross Section



— 82-Pb-201g
- - - 82-Pb-201m4

84-Po-204

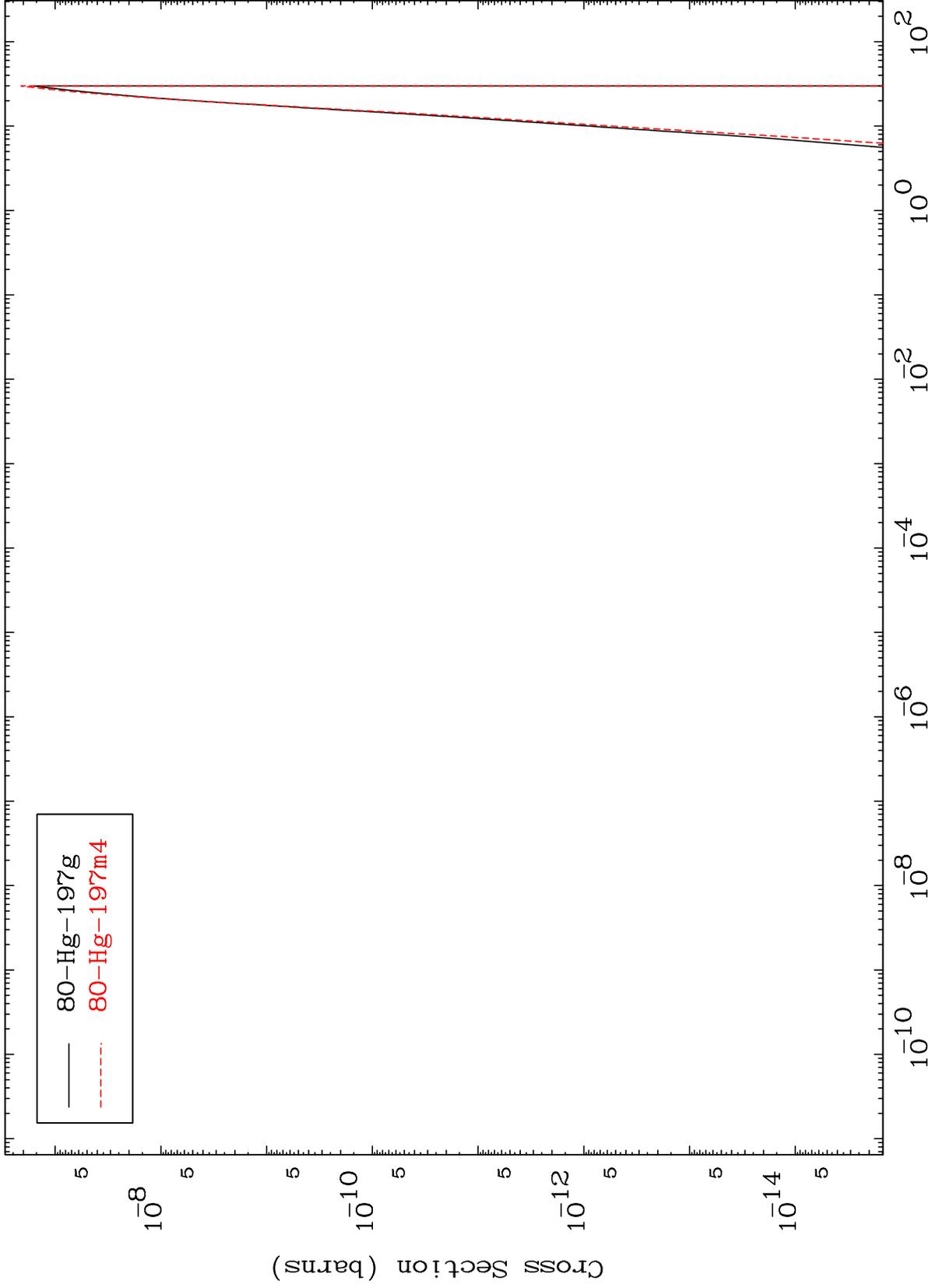
Incident Energy (MeV)

142

MAT 8419

84-Po-204

Radionuclide Production Cross Section
(n,2α)



143

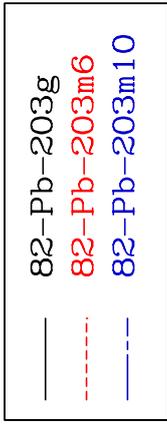
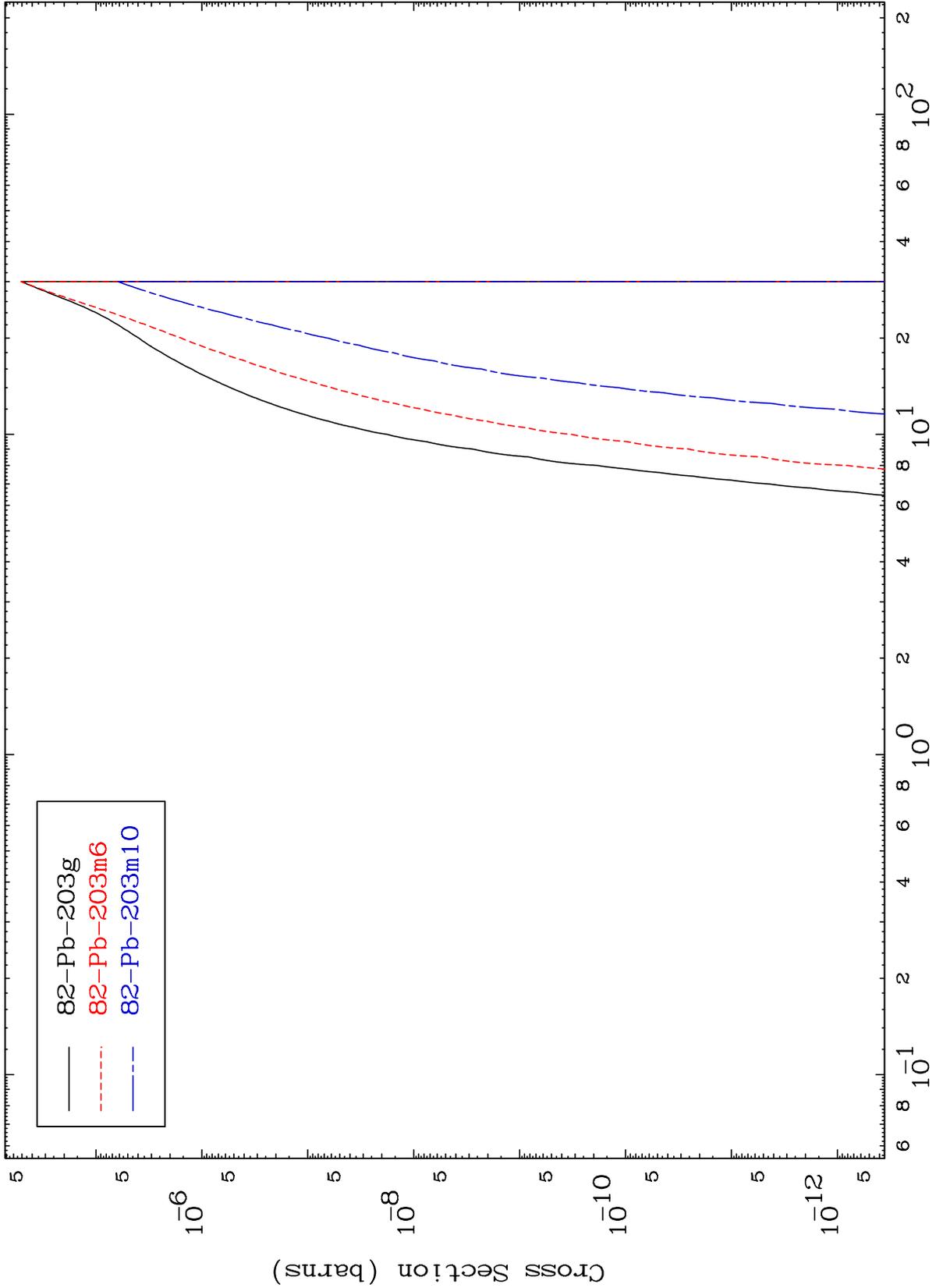
84-Po-204

MAT 8419

(n,2p)

84-Po-204

Radionuclide Production Cross Section



144

Incident Energy (MeV)

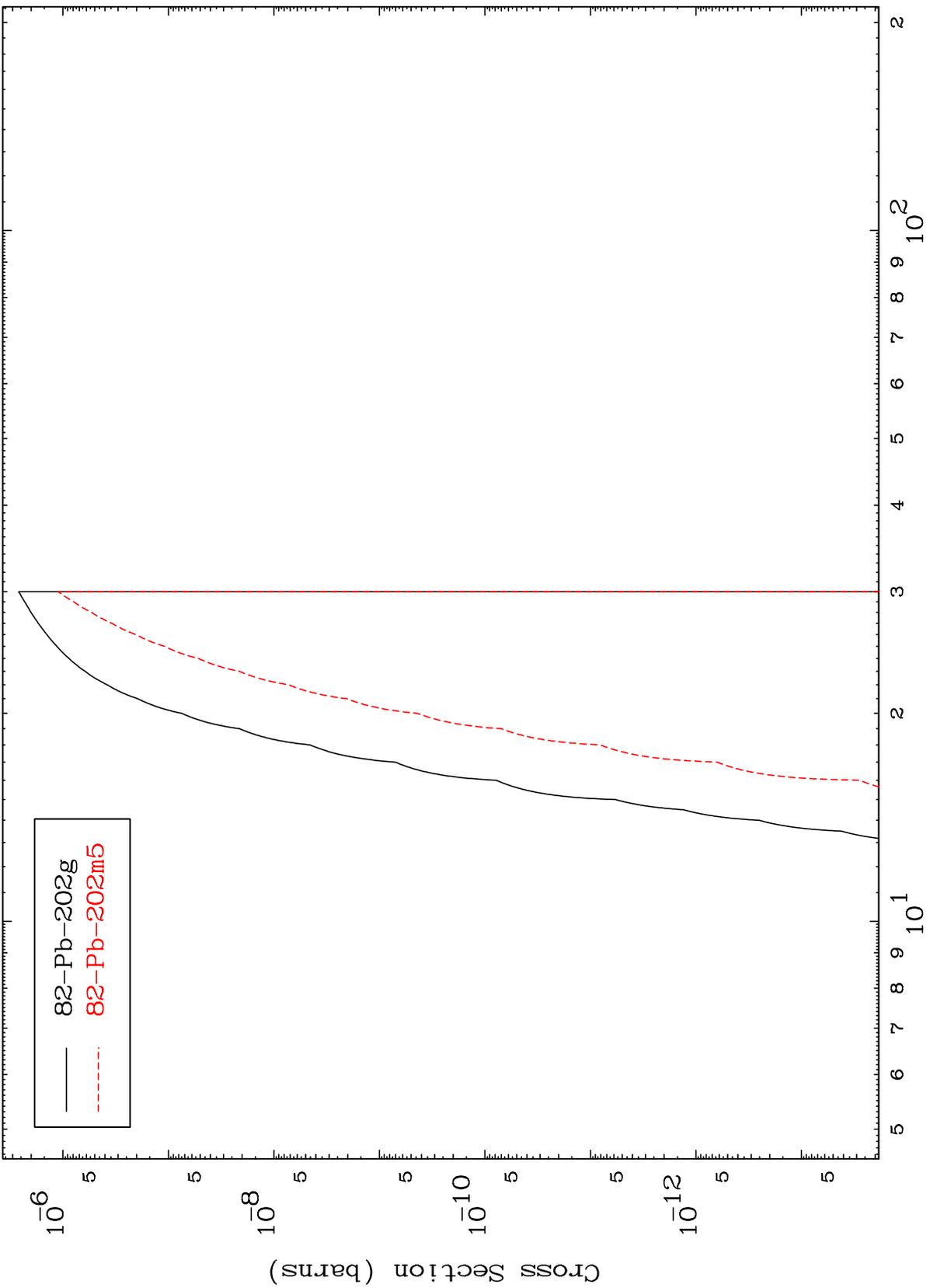
84-Po-204

MAT 8419

(n,p) d

84-Po-204

Radionuclide Production Cross Section



82-Pb-202g
82-Pb-202m5

145

Incident Energy (MeV)

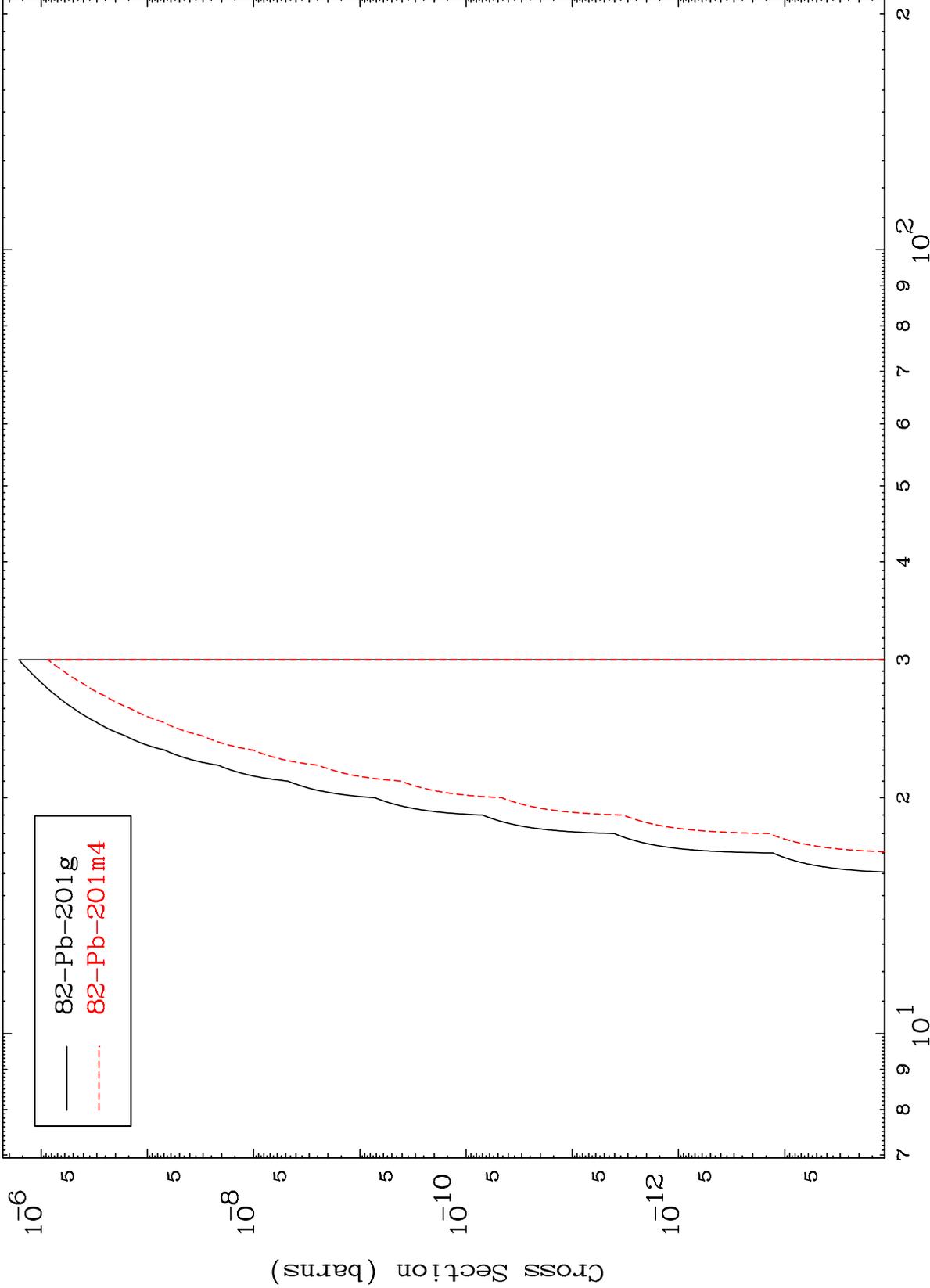
84-Po-204

MAT 8419

(n,p) t

84-Po-204

Radionuclide Production Cross Section



146

Incident Energy (MeV)

84-Po-204