

Program EVALPLOT
(Version 2021-1)

by

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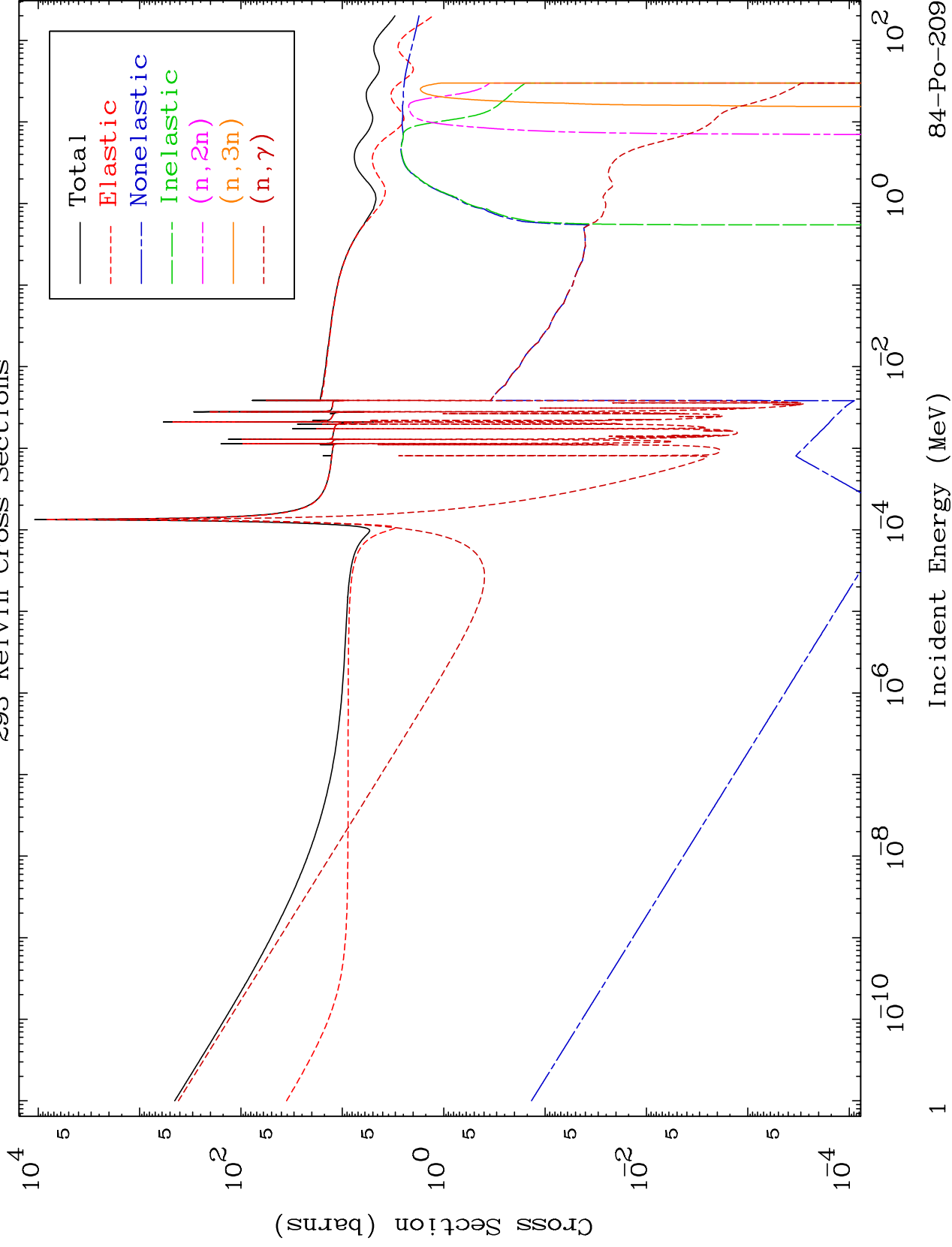
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8434

Neutron Major
293 Kelvin Cross Sections

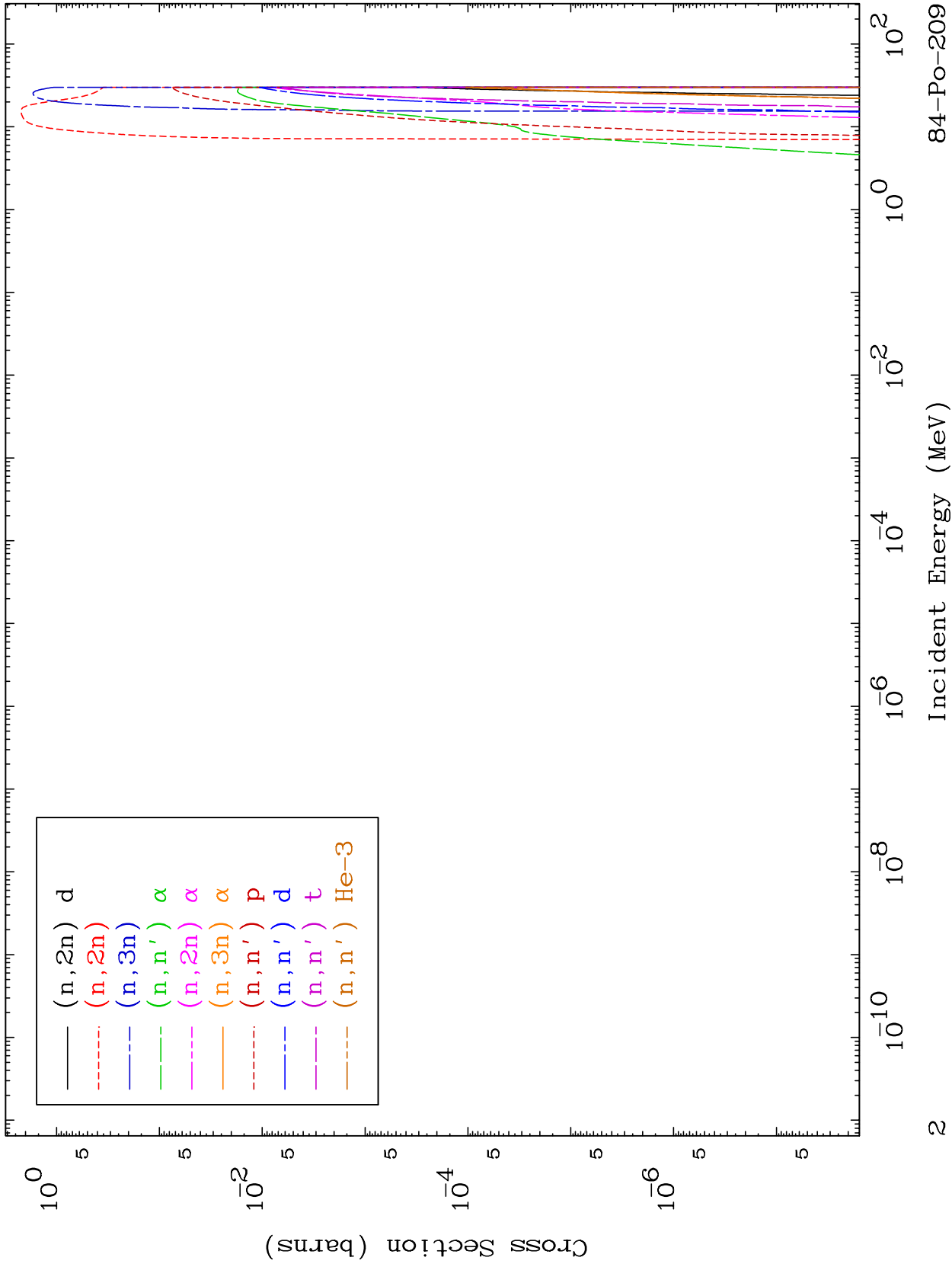
84-Po-209



MAT 8434

Neutron Absorption
293 Kelvin Cross Sections

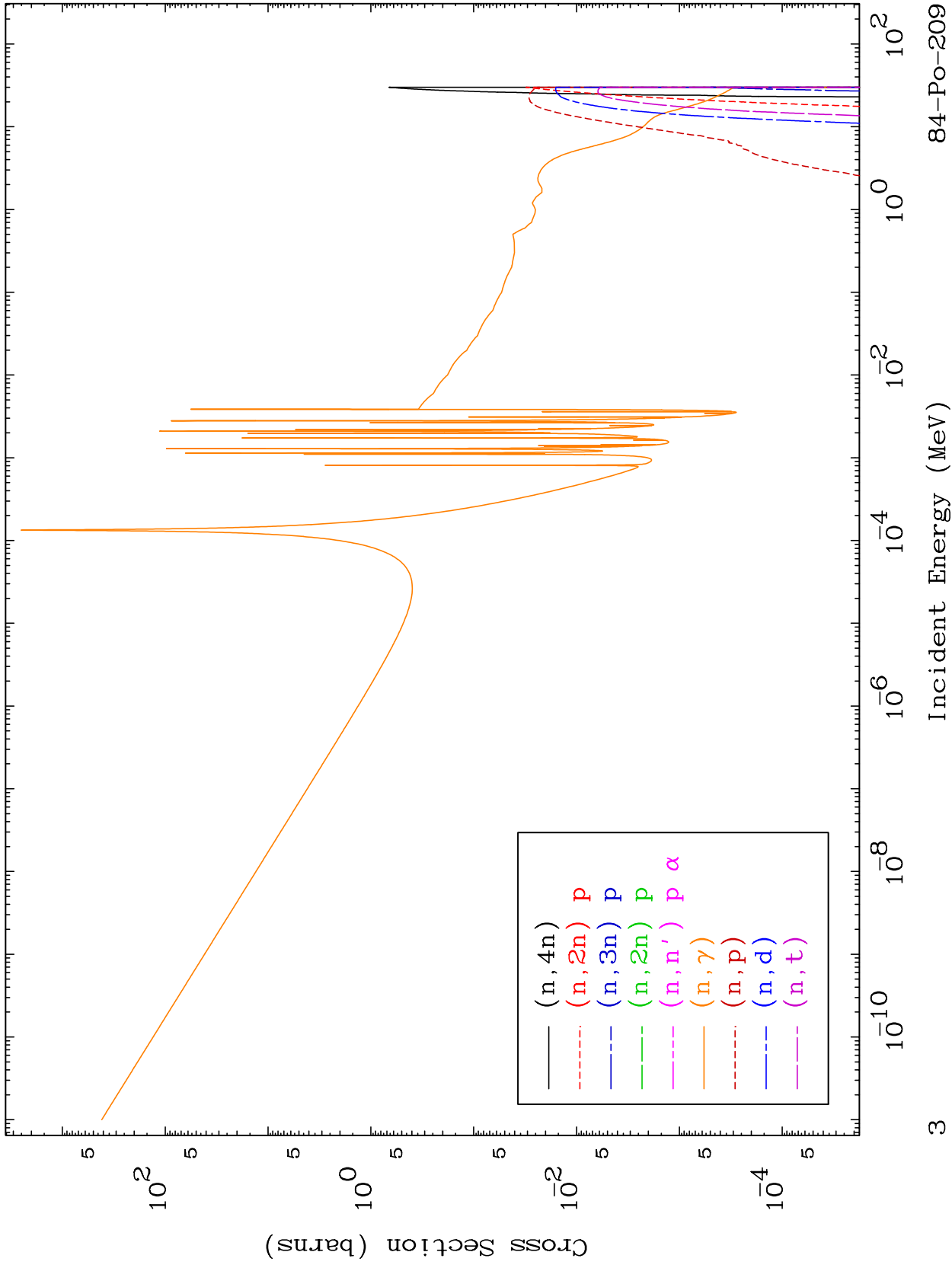
84-Po-209



MAT 8434

Neutron Absorption
293 Kelvin Cross Sections

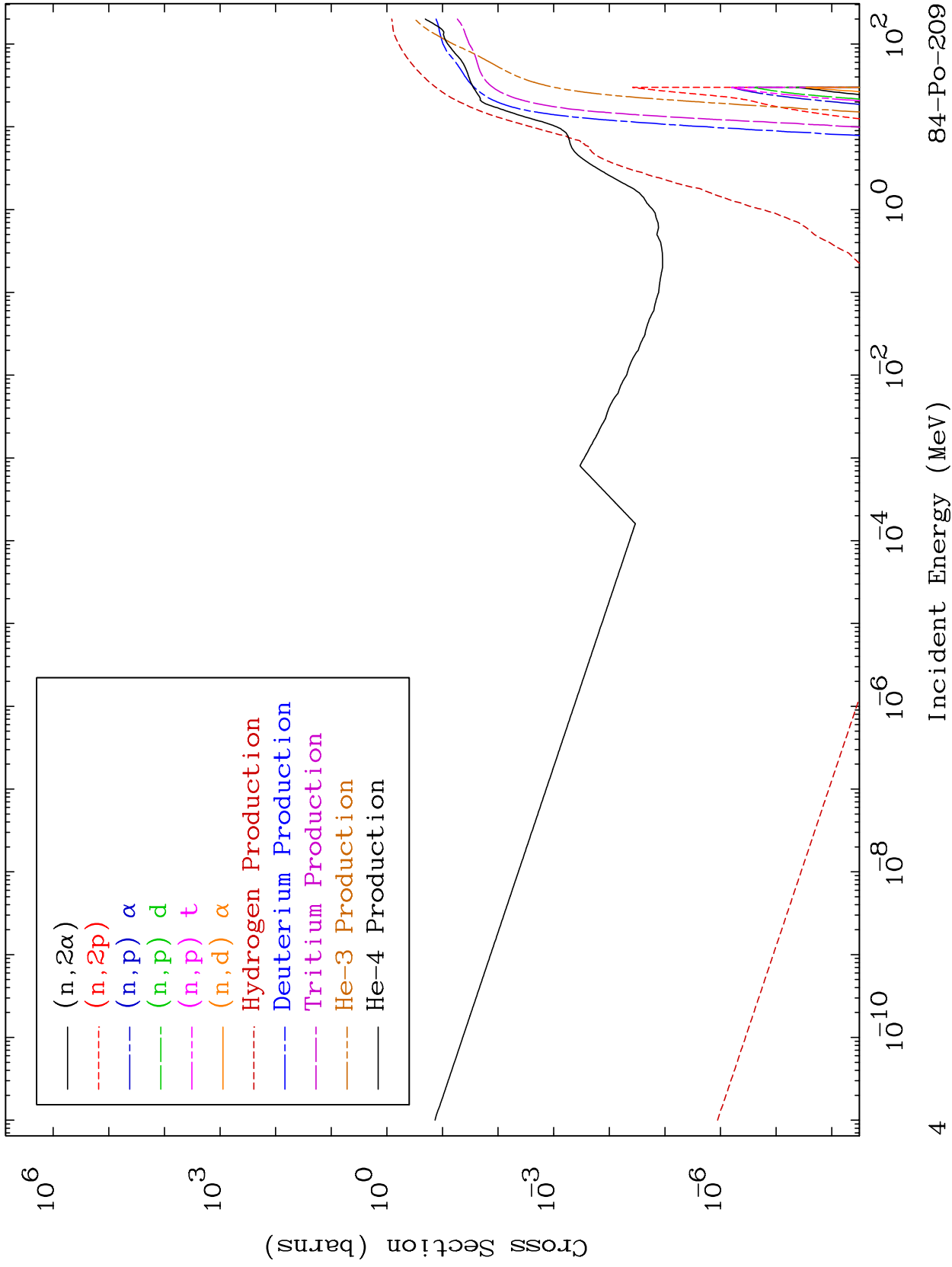
84-Po-209



MAT 8434

Neutron Absorption
293 Kelvin Cross Sections

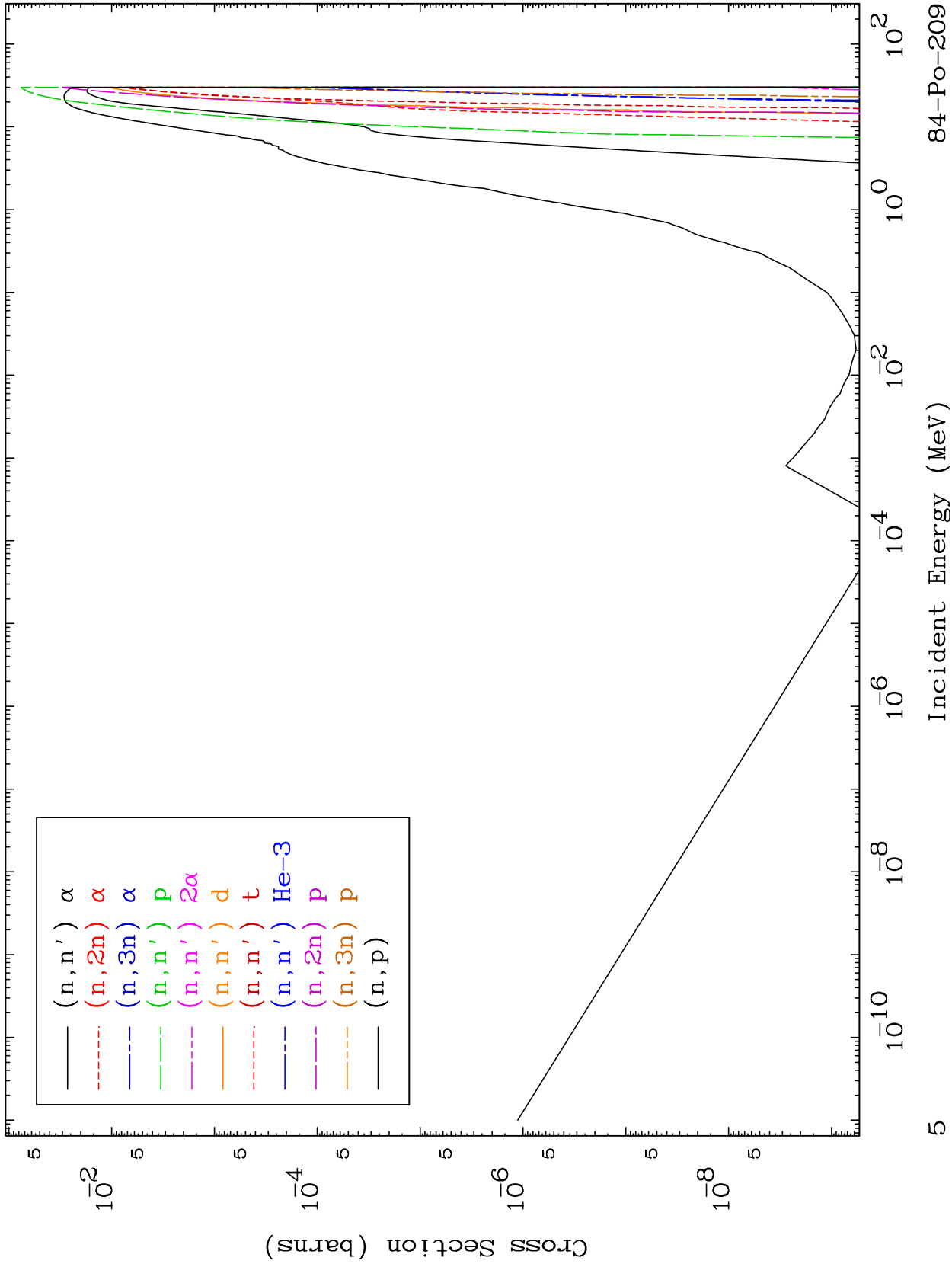
84-Po-209



MAT 8434

Charged Particle
293 Kelvin Cross Sections

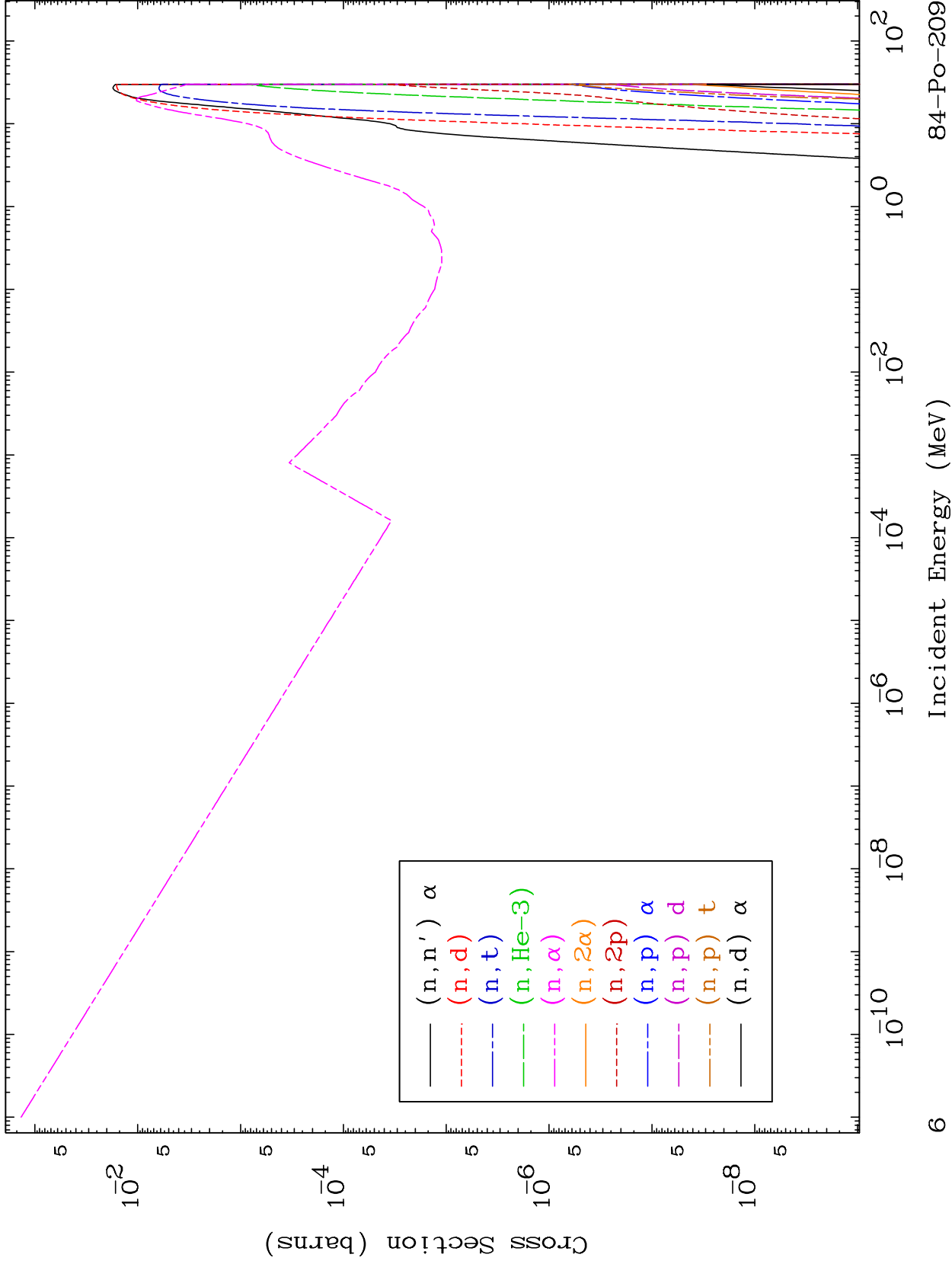
84-Po-209



MAT 8434

Charged Particle
293 Kelvin Cross Sections

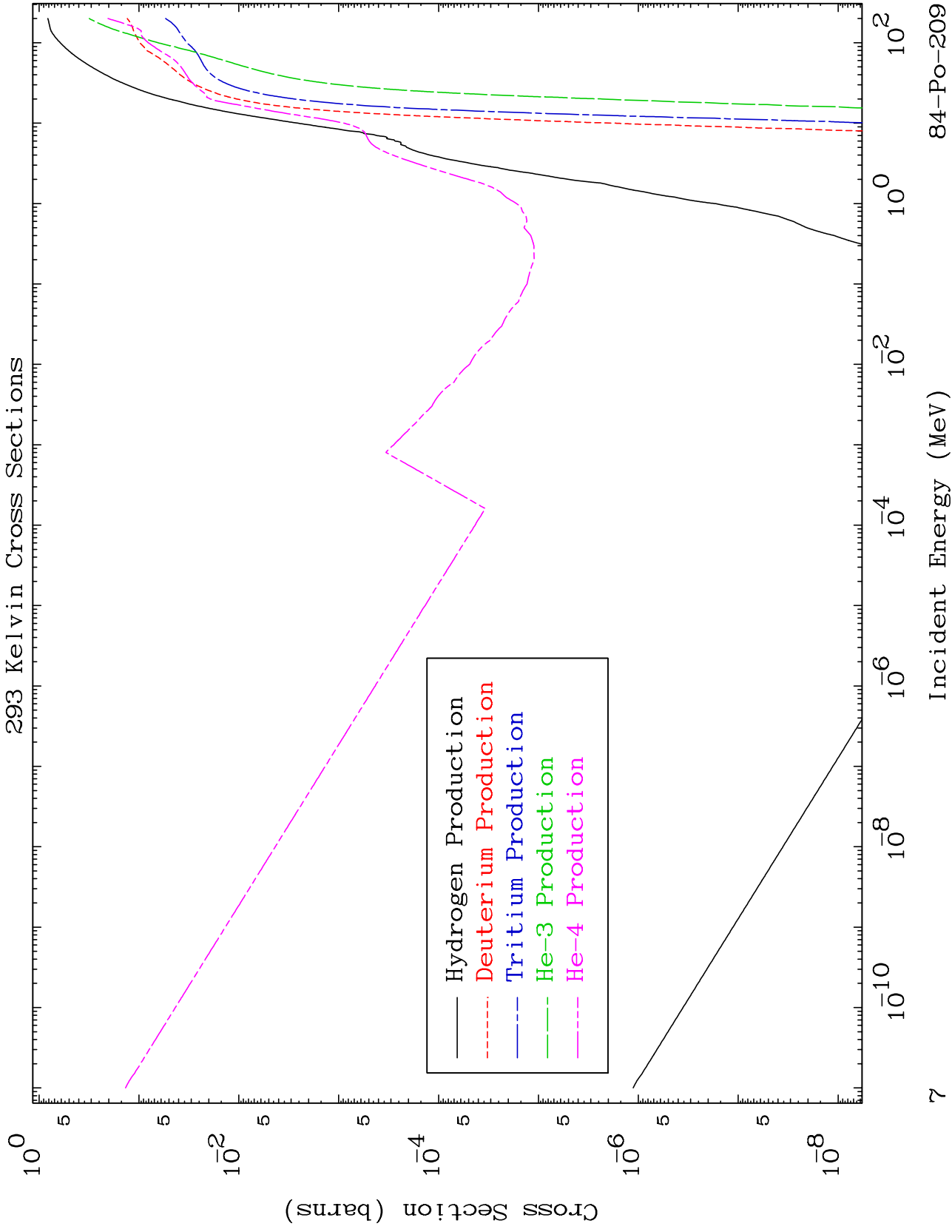
84-Po-209



MAT 8434

Particle Production
293 Kelvin Cross Sections

84-Po-209

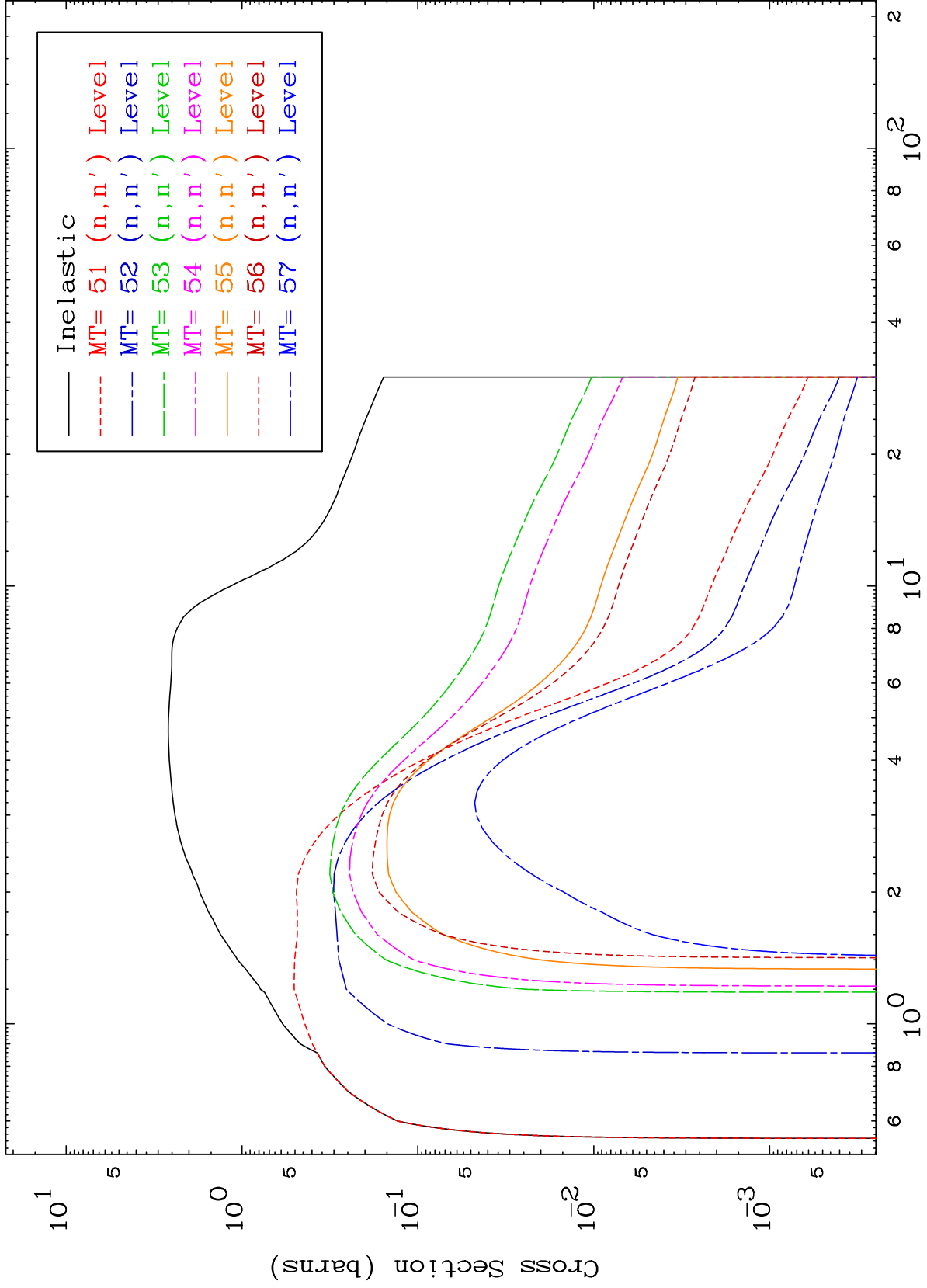


MAT 8434

(n,n') Levels

84-Po-209

293 Kelvin Cross Sections



8

Incident Energy (MeV)

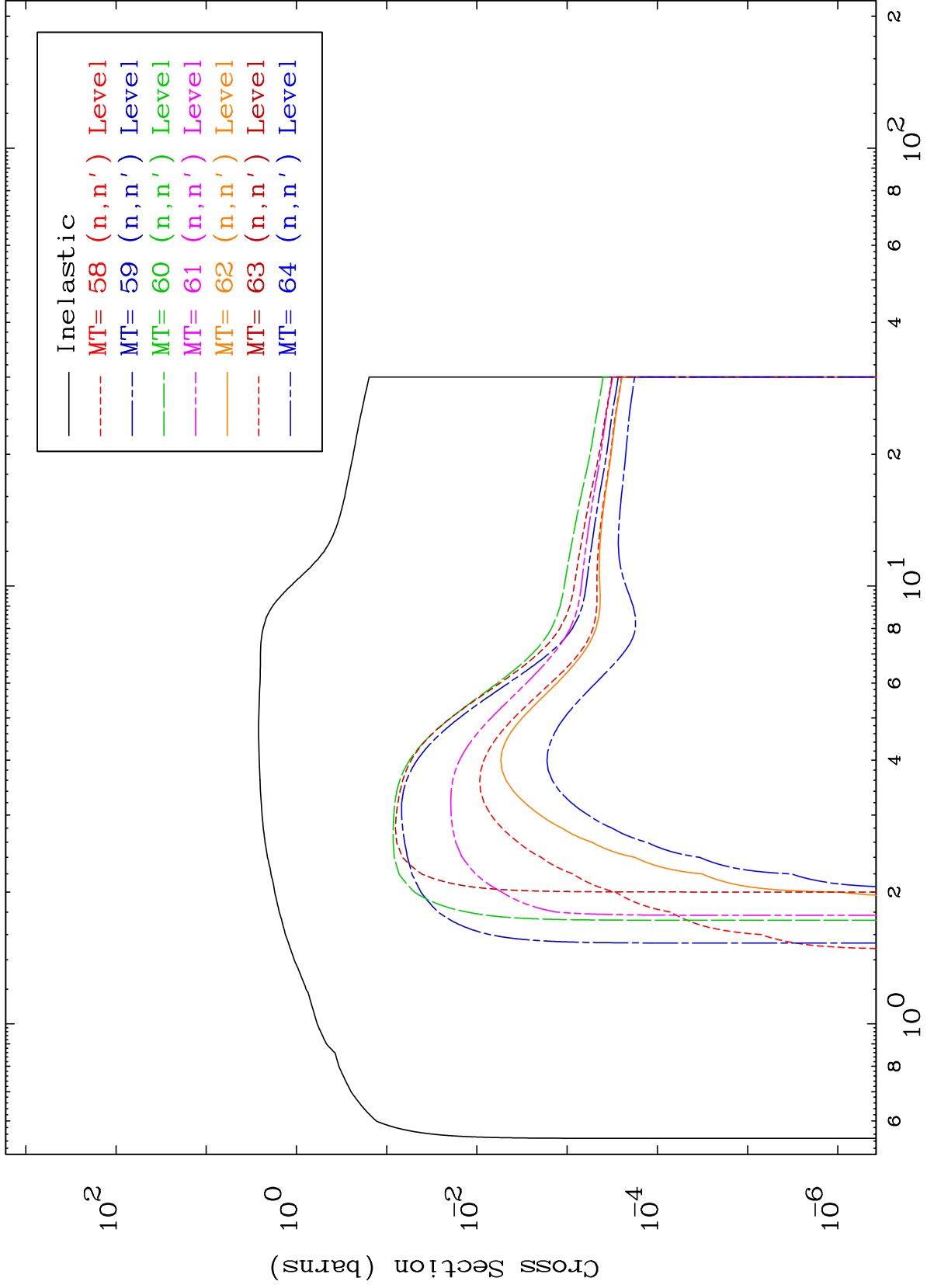
84-Po-209

MAT 8434

(n,n') Levels

84-Po-209

293 Kelvin Cross Sections



9

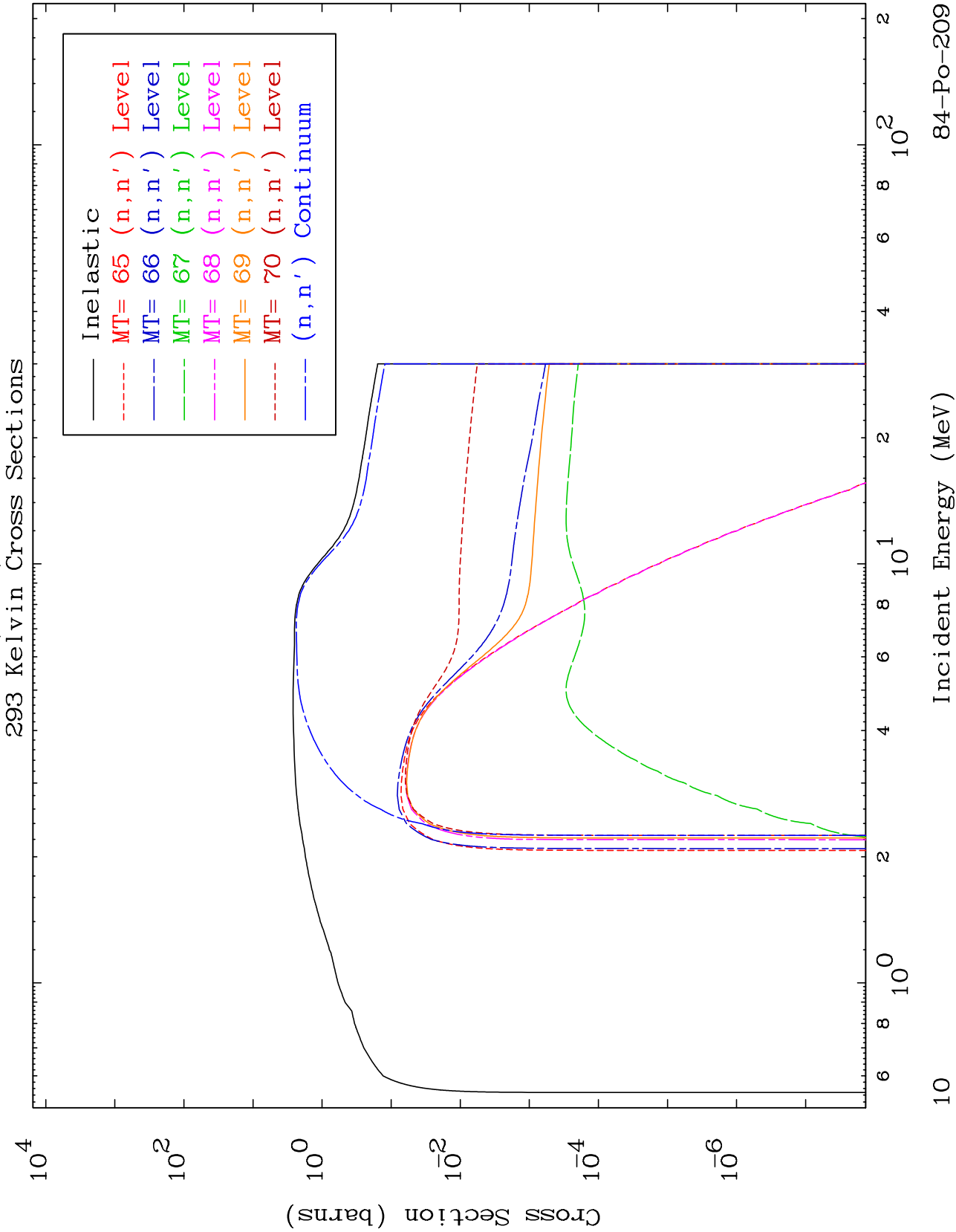
Incident Energy (MeV)

84-Po-209

MAT 8434

(n,n') Levels

84-Po-209



10

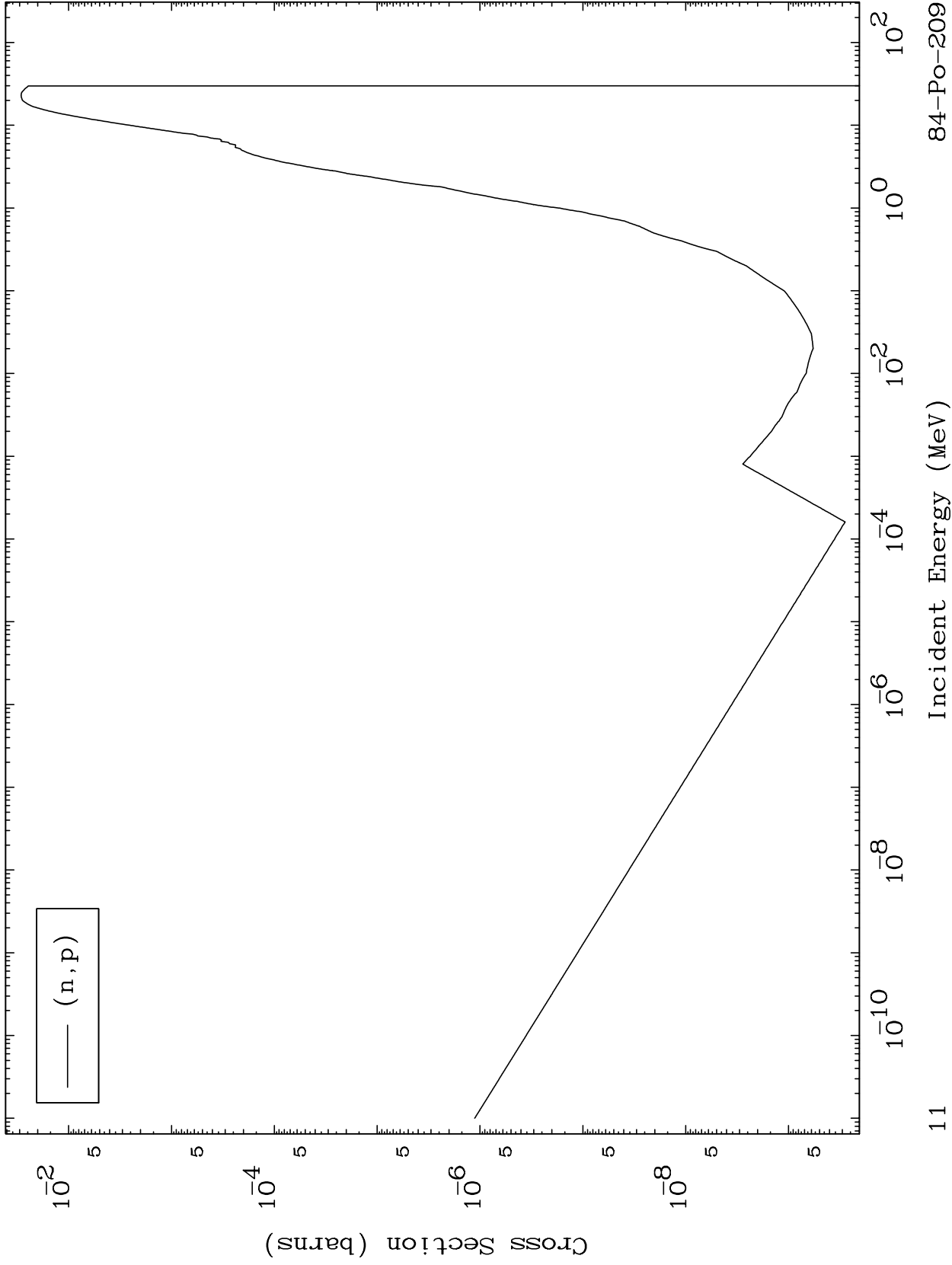
Incident Energy (MeV)

84-Po-209

MAT 8434

(n,p) Levels
293 Kelvin Cross Sections

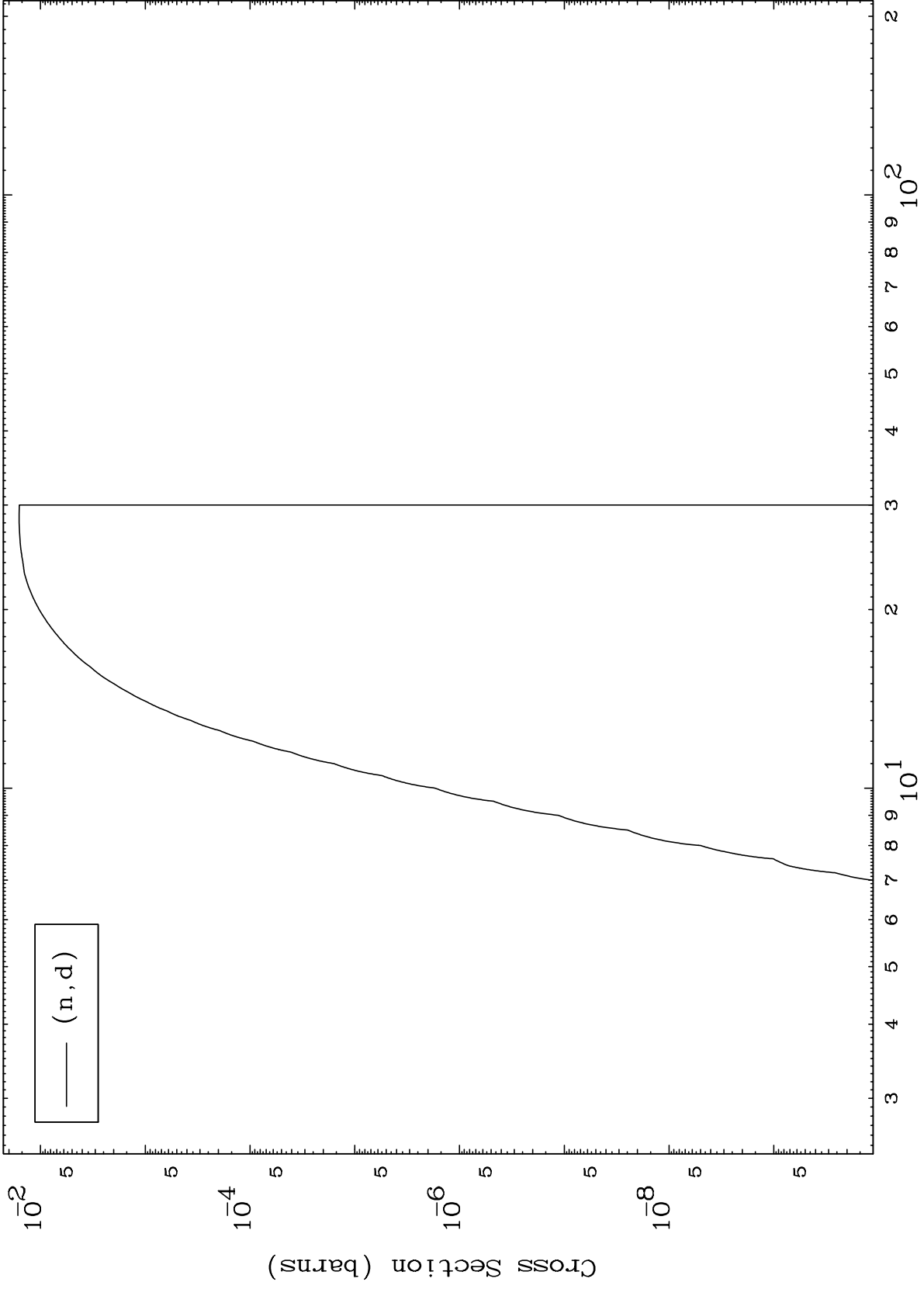
84-Po-209



MAT 8434

(n,d) Levels
293 Kelvin Cross Sections

84-Po-209



12

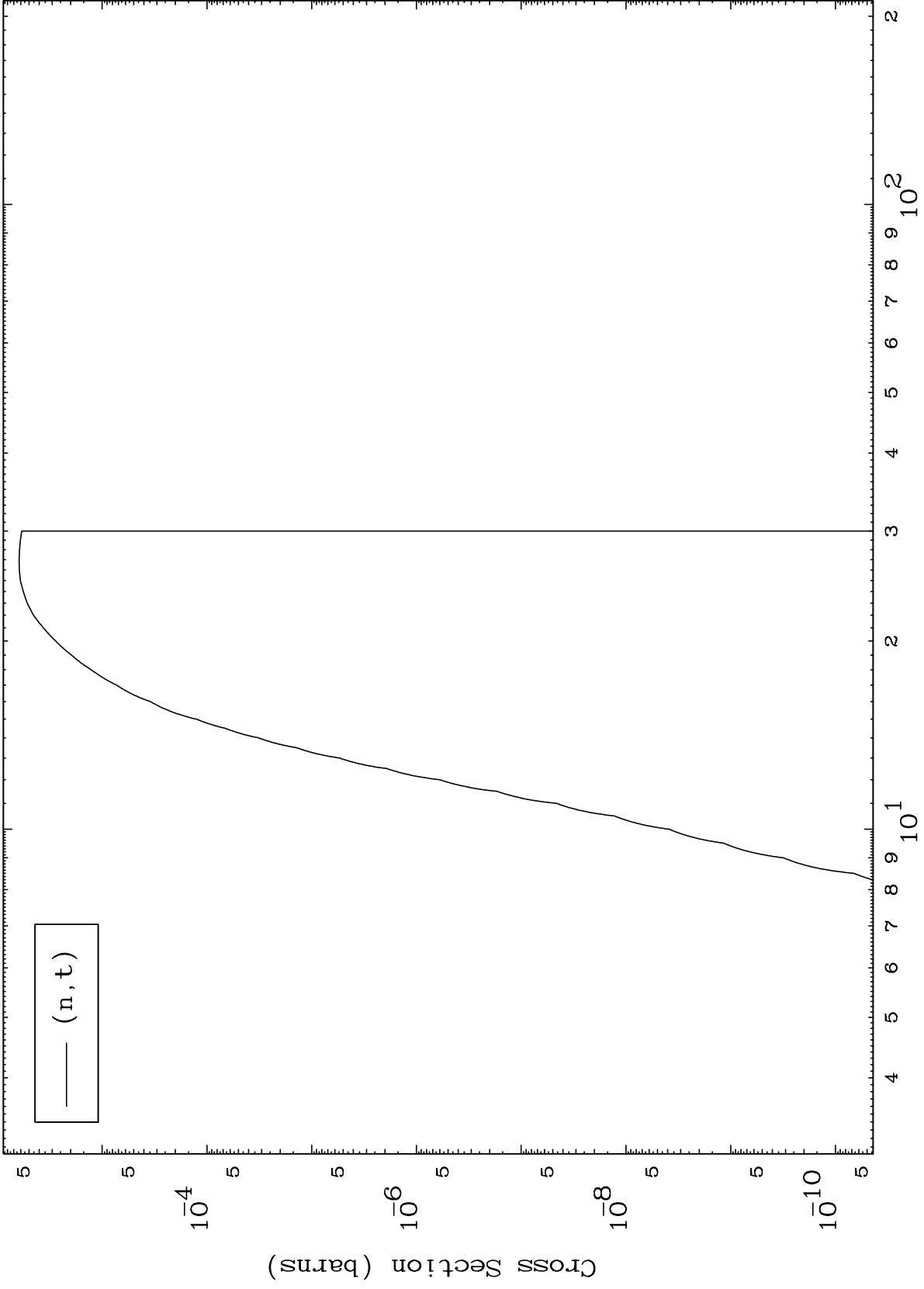
Incident Energy (MeV)

84-Po-209

MAT 8434

(n,t) Levels
293 Kelvin Cross Sections

84-Po-209



13

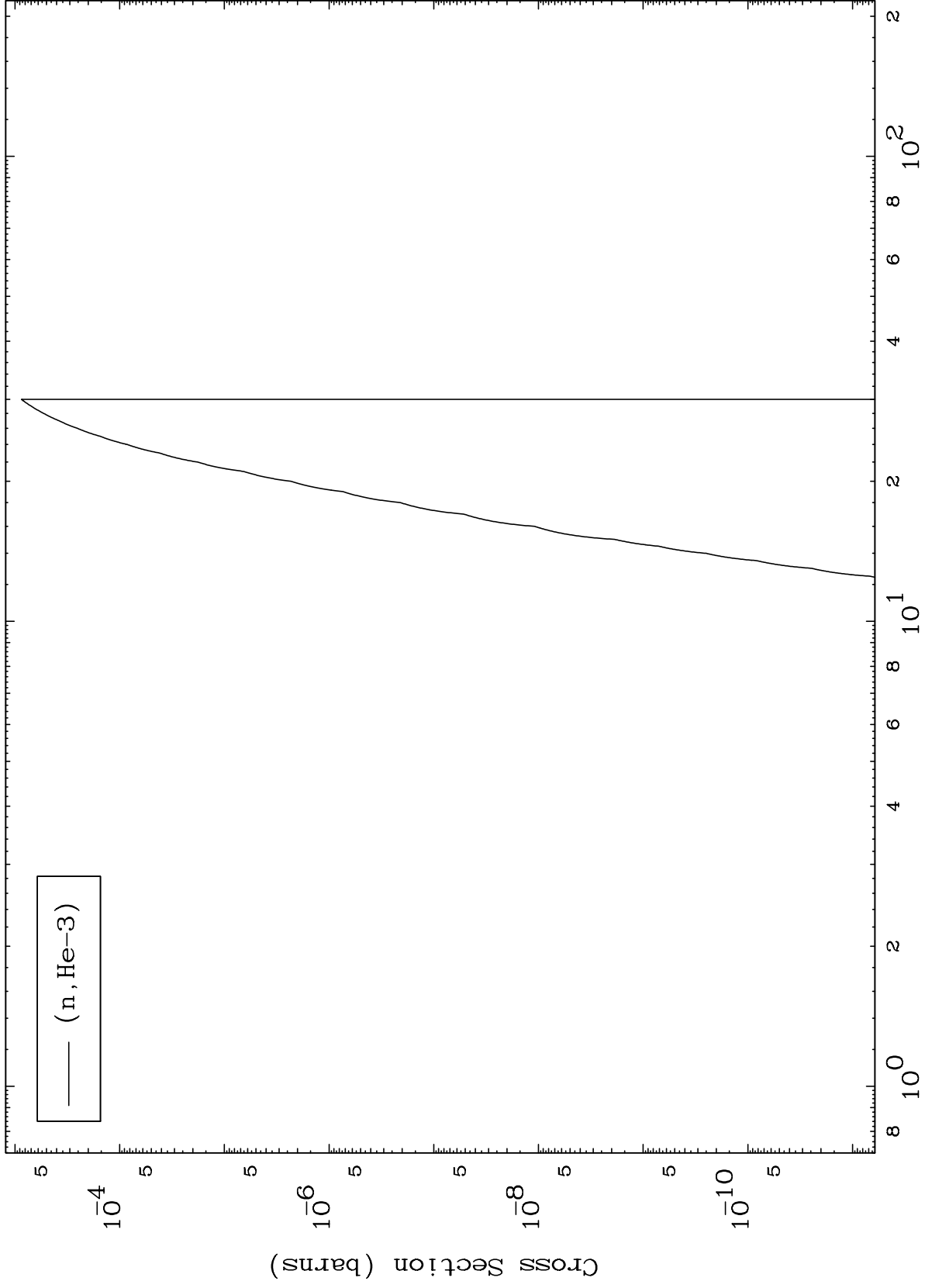
Incident Energy (MeV)

84-Po-209

MAT 8434

(n,He3) Levels
293 Kelvin Cross Sections

84-Po-209



14

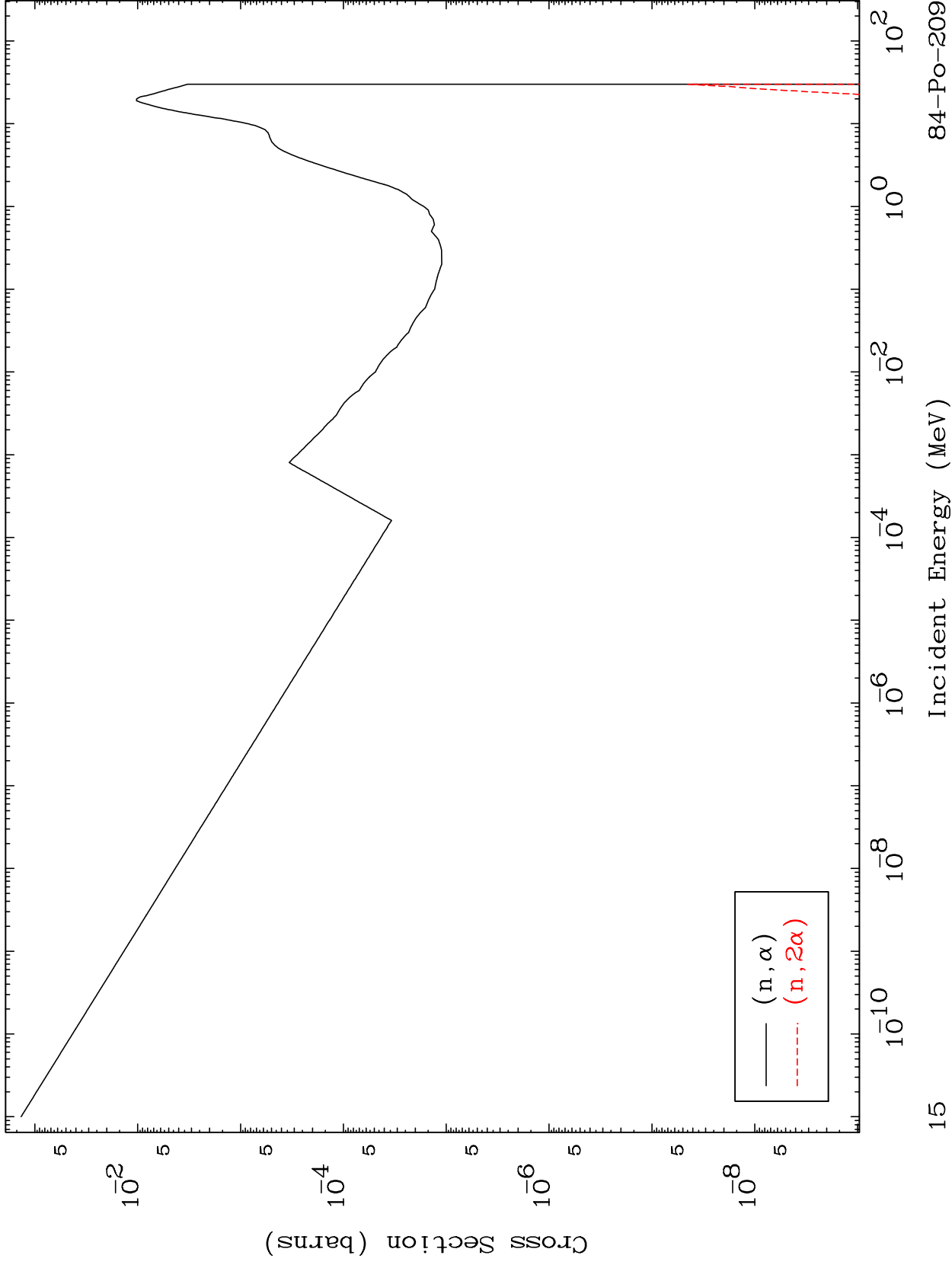
Incident Energy (MeV)

84-Po-209

MAT 8434

(n,α) Levels
293 Kelvin Cross Sections

84-Po-209

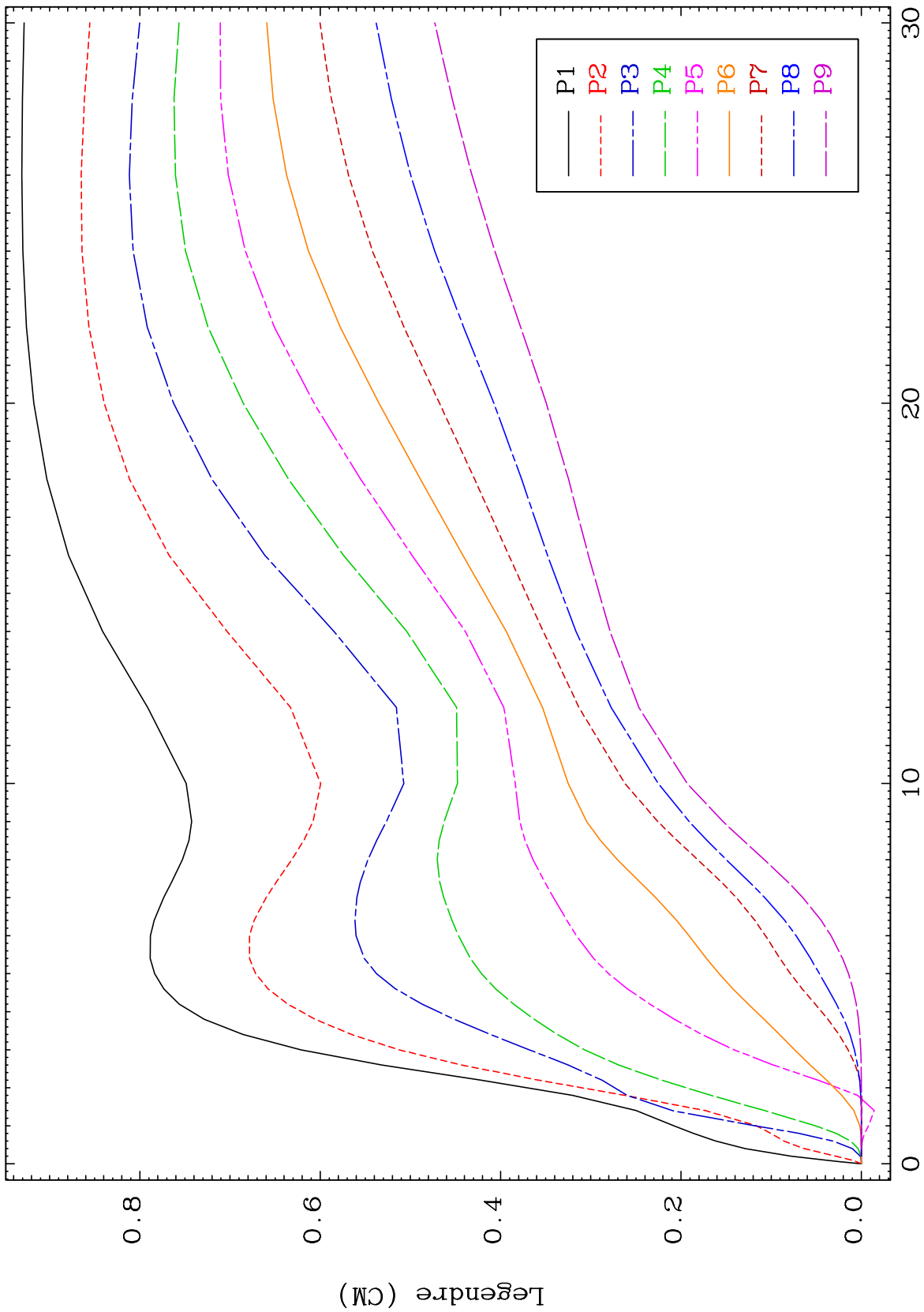


15

MAT 8434

84-Po-209

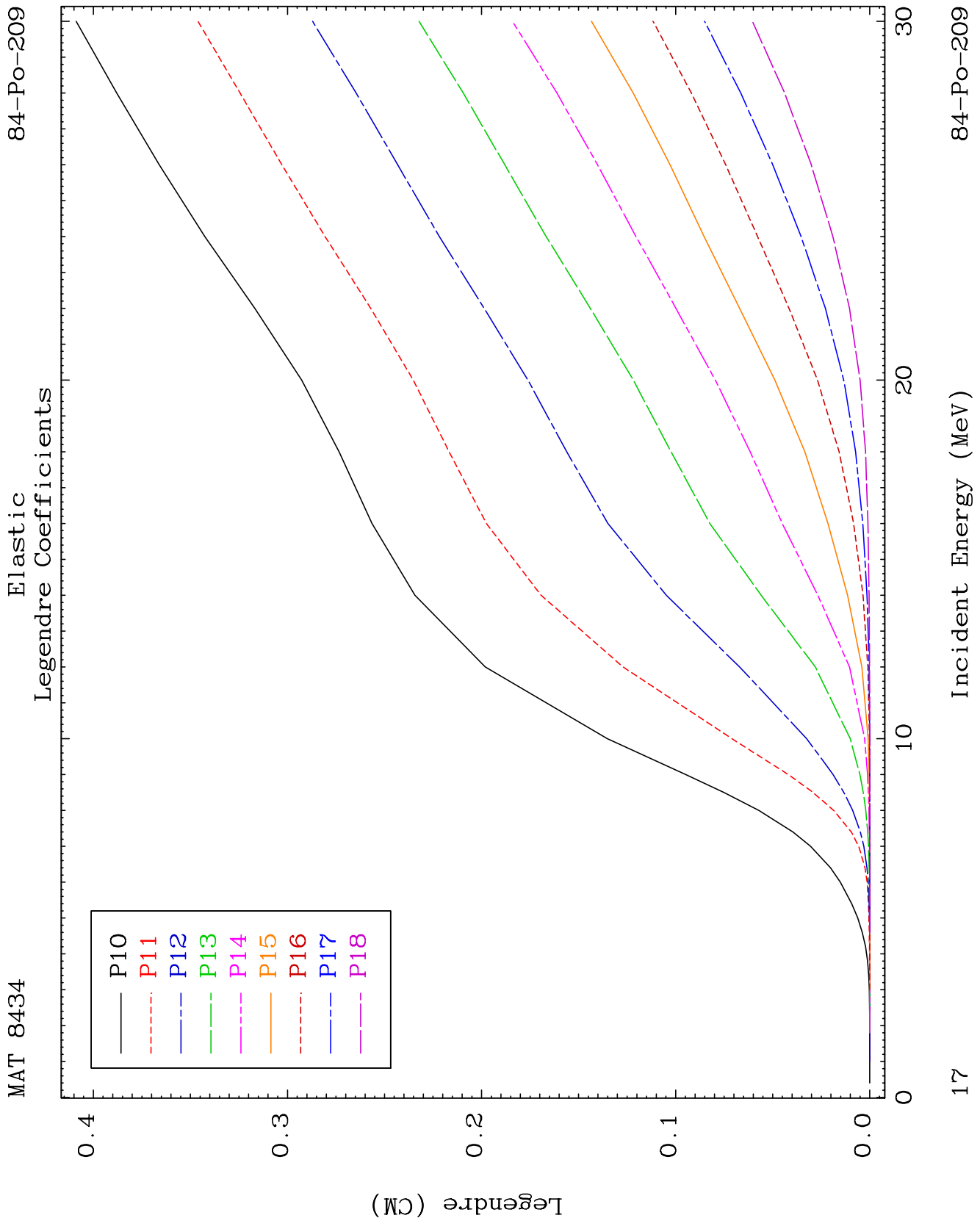
Elastic Legendre Coefficients



84-Po-209

Incident Energy (MeV)

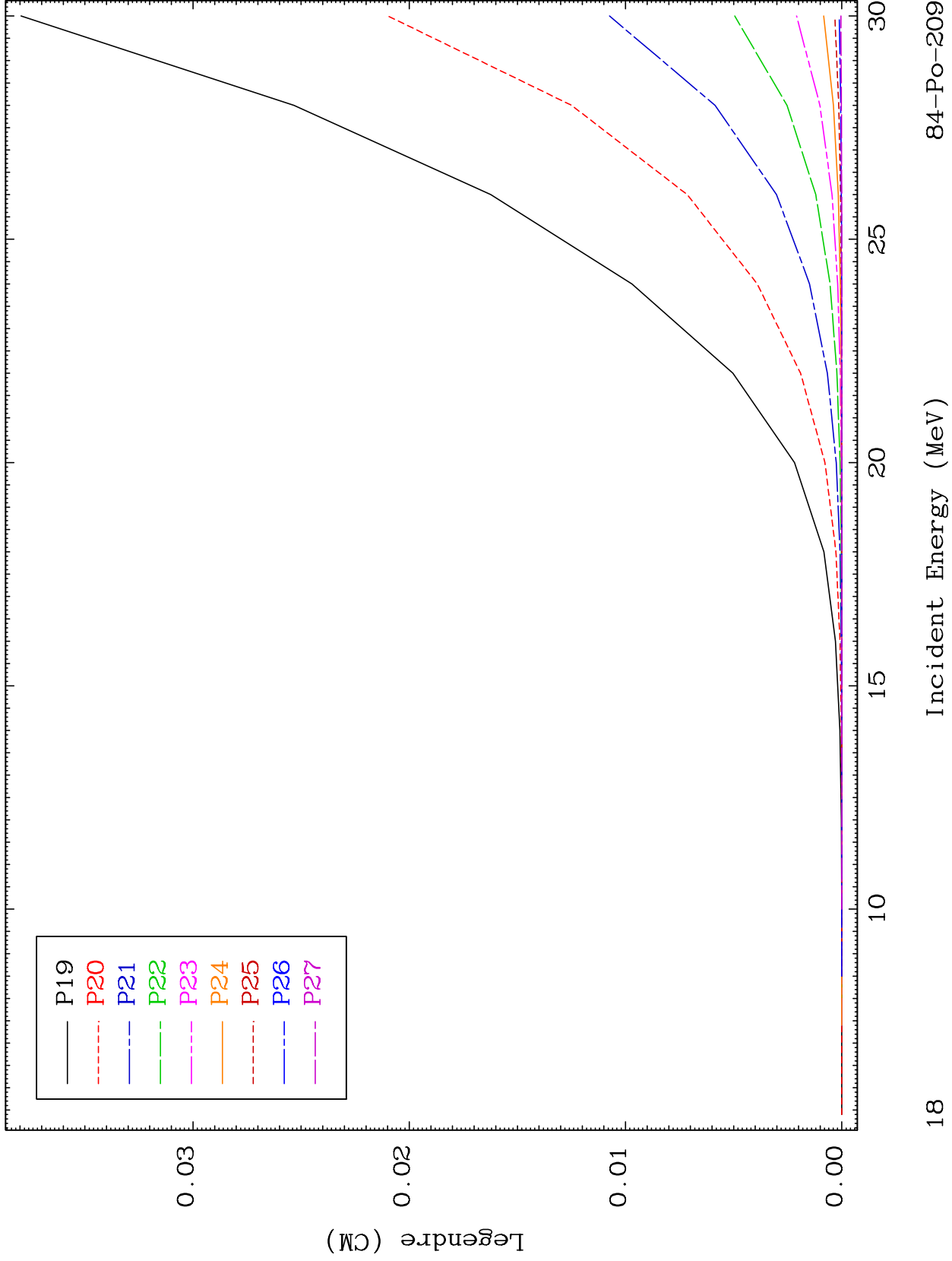
16



MAT 8434

Elastic Legendre Coefficients

84-Po-209



18

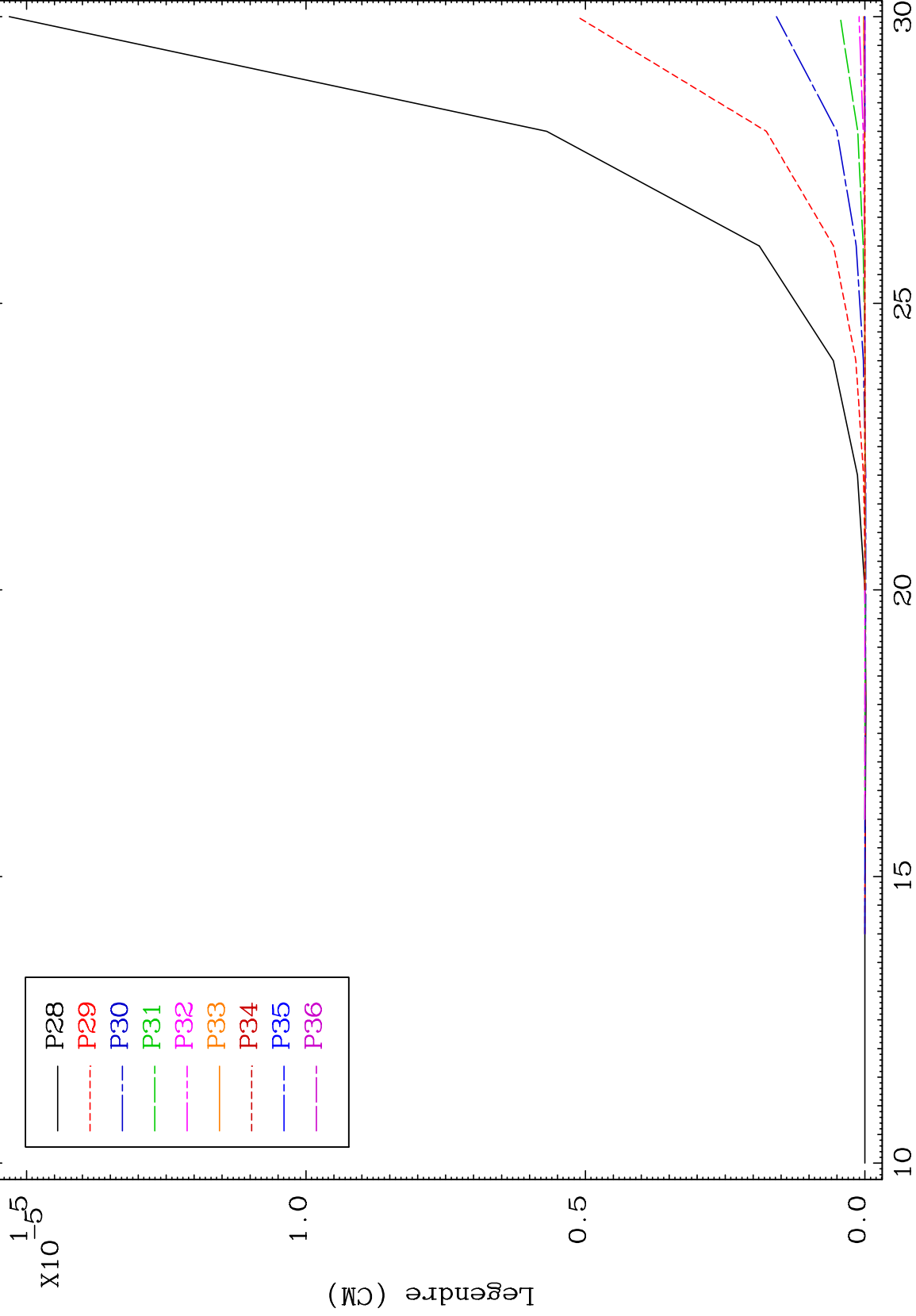
Incident Energy (MeV)

84-Po-209

MAT 8434

Elastic
Legendre Coefficients

84-Po-209



19

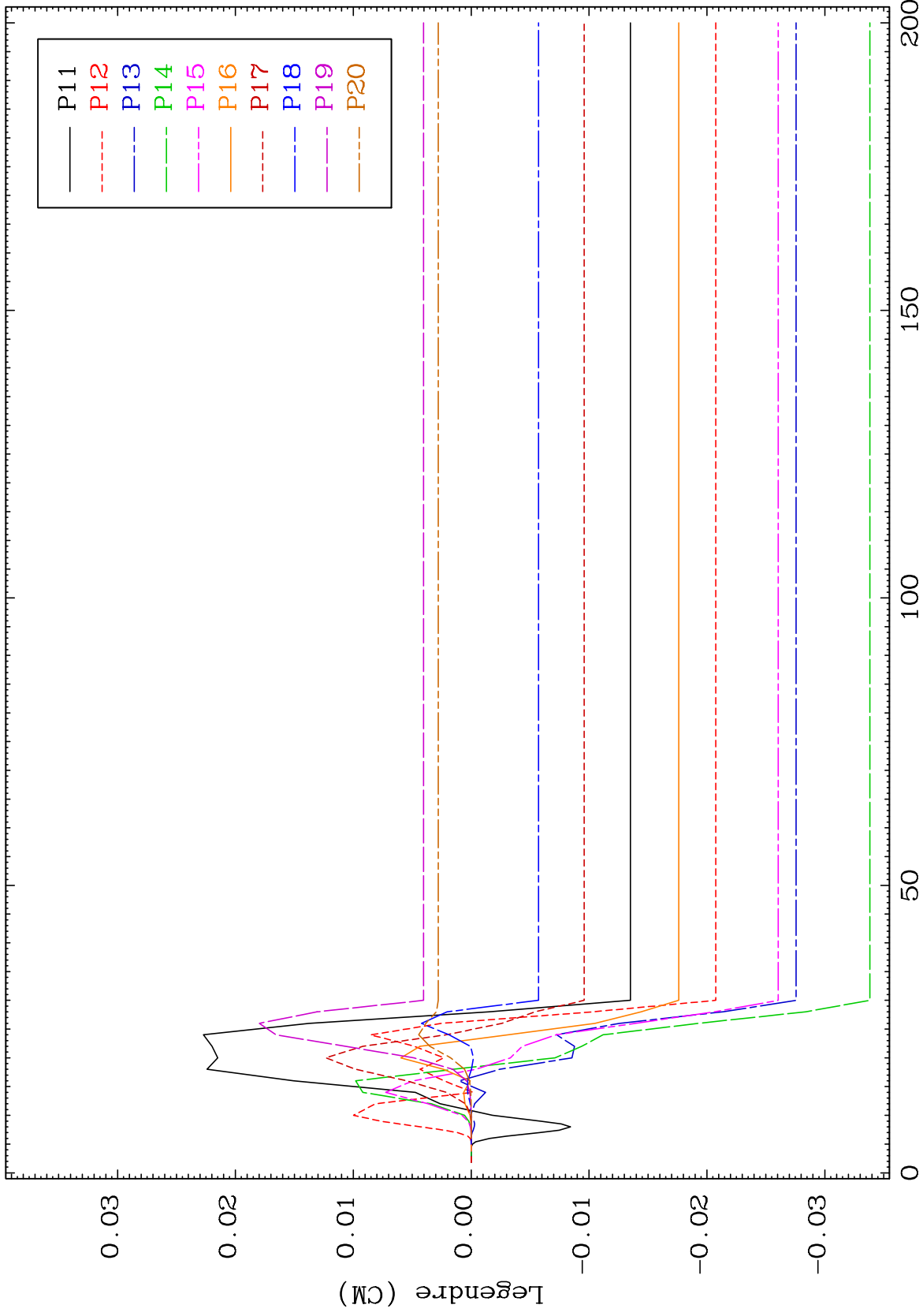
Incident Energy (MeV)

84-Po-209

MAT 8434

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

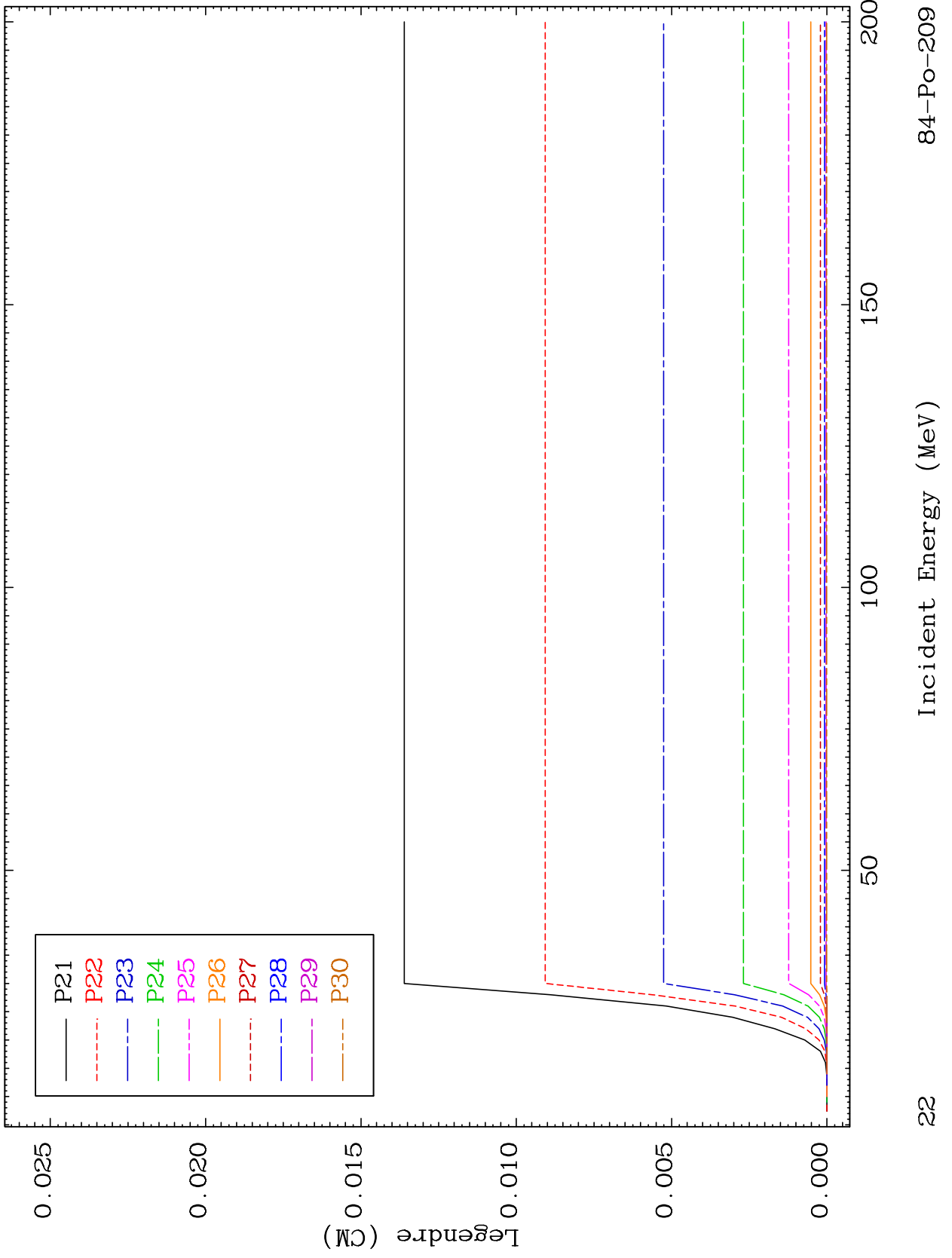
84-Po-209



21

Incident Energy (MeV)

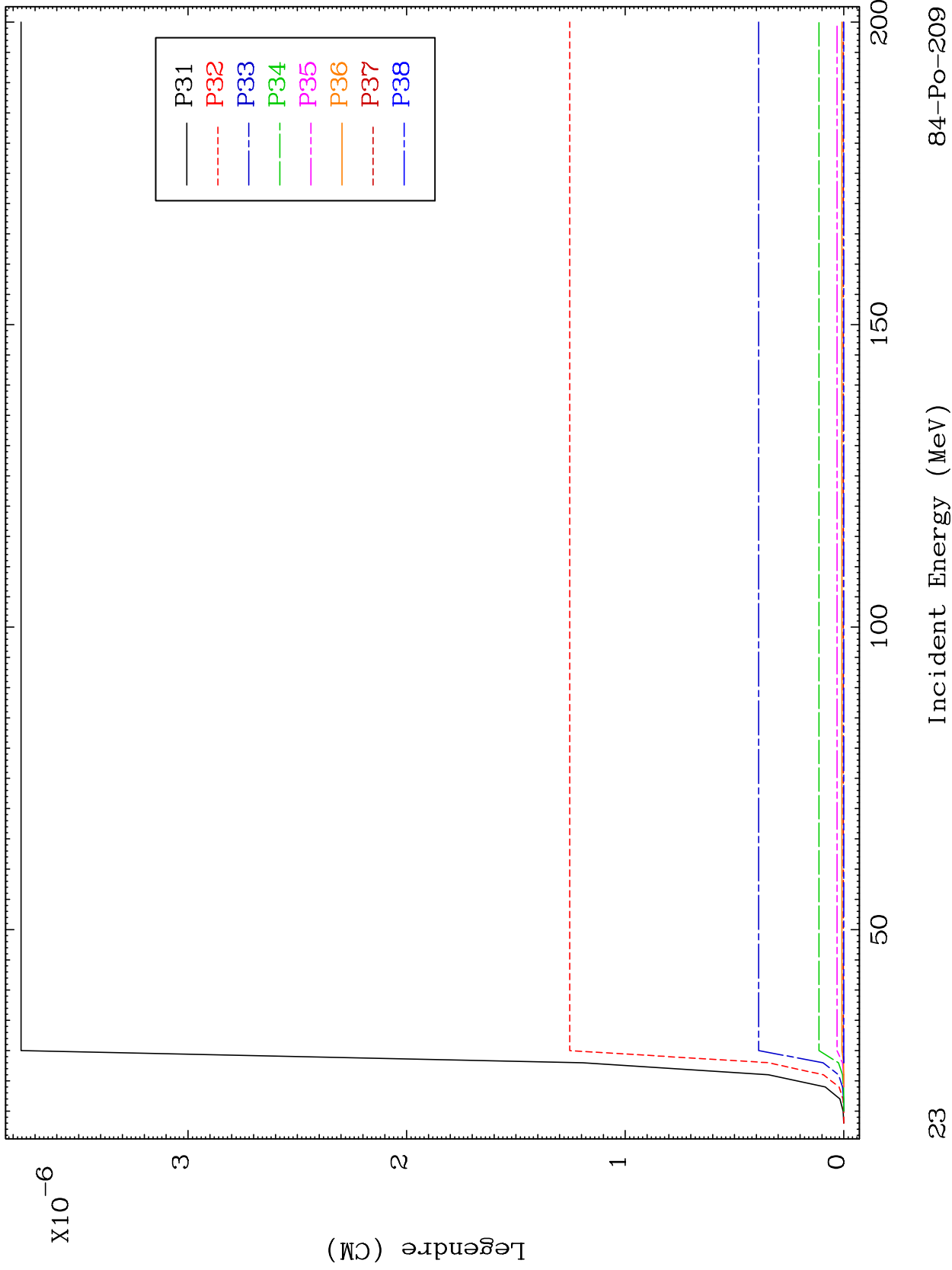
84-Po-209



MAT 8434

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

84-Po-209



23

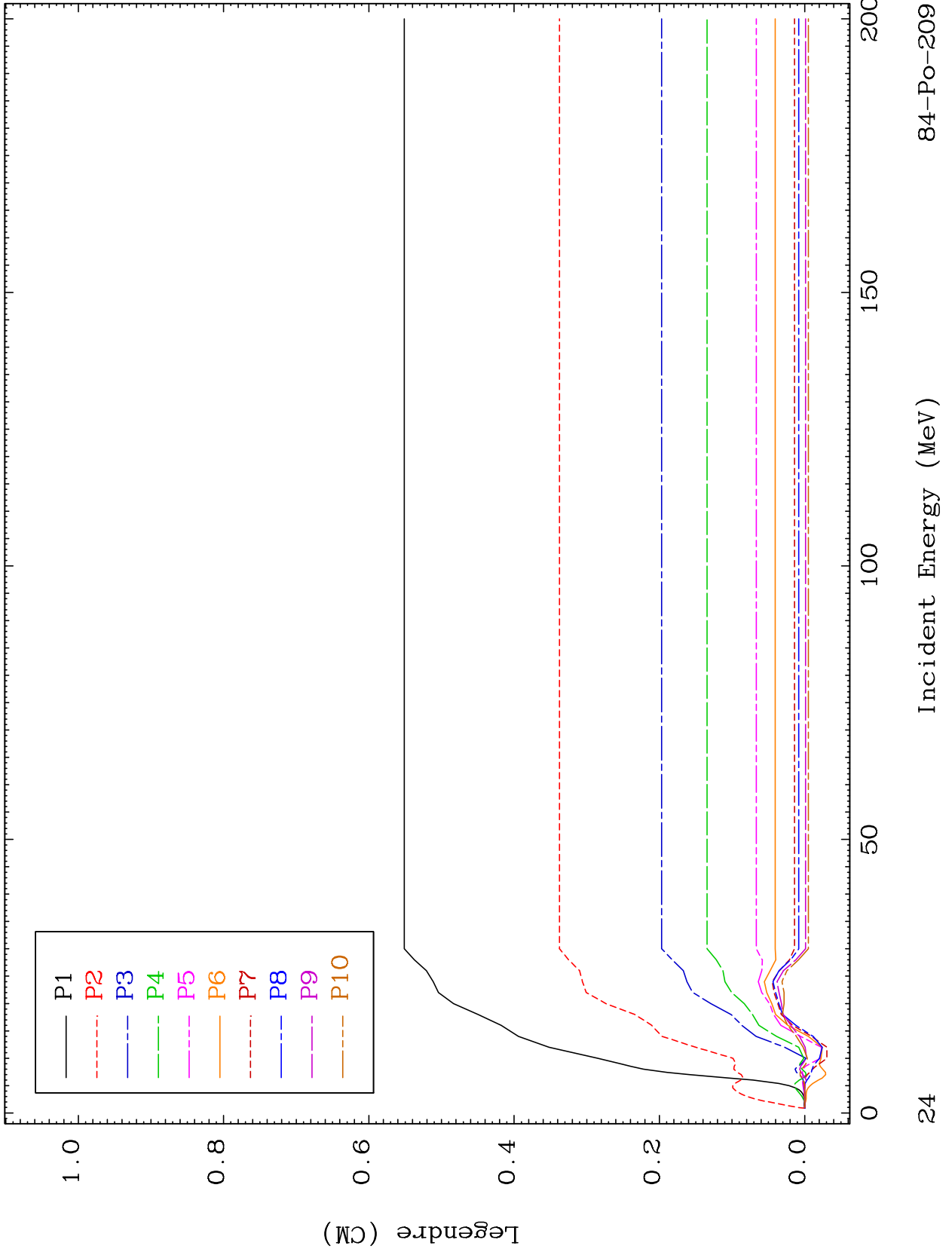
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209

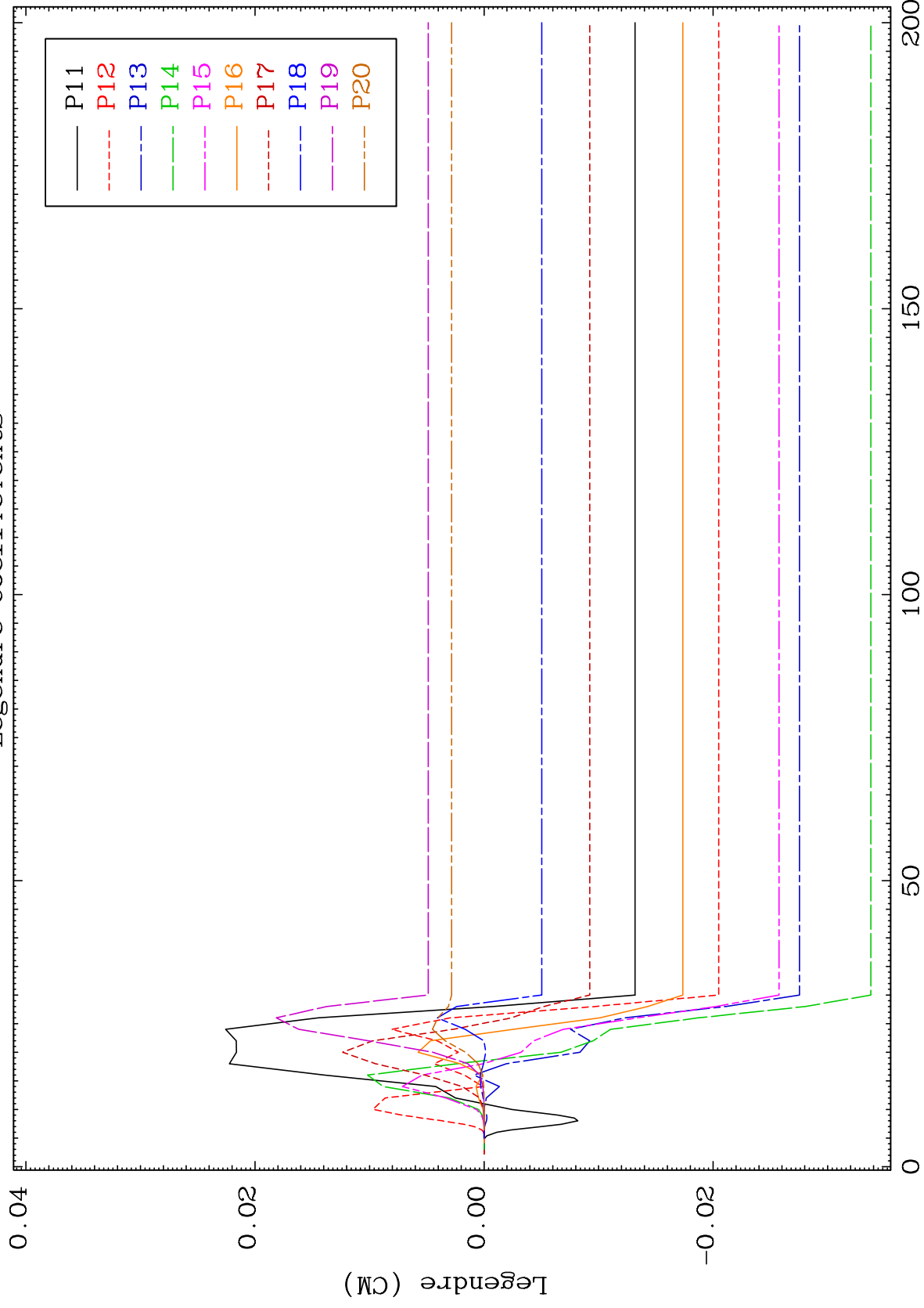


24

MAT 8434

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

84-Po-209



25

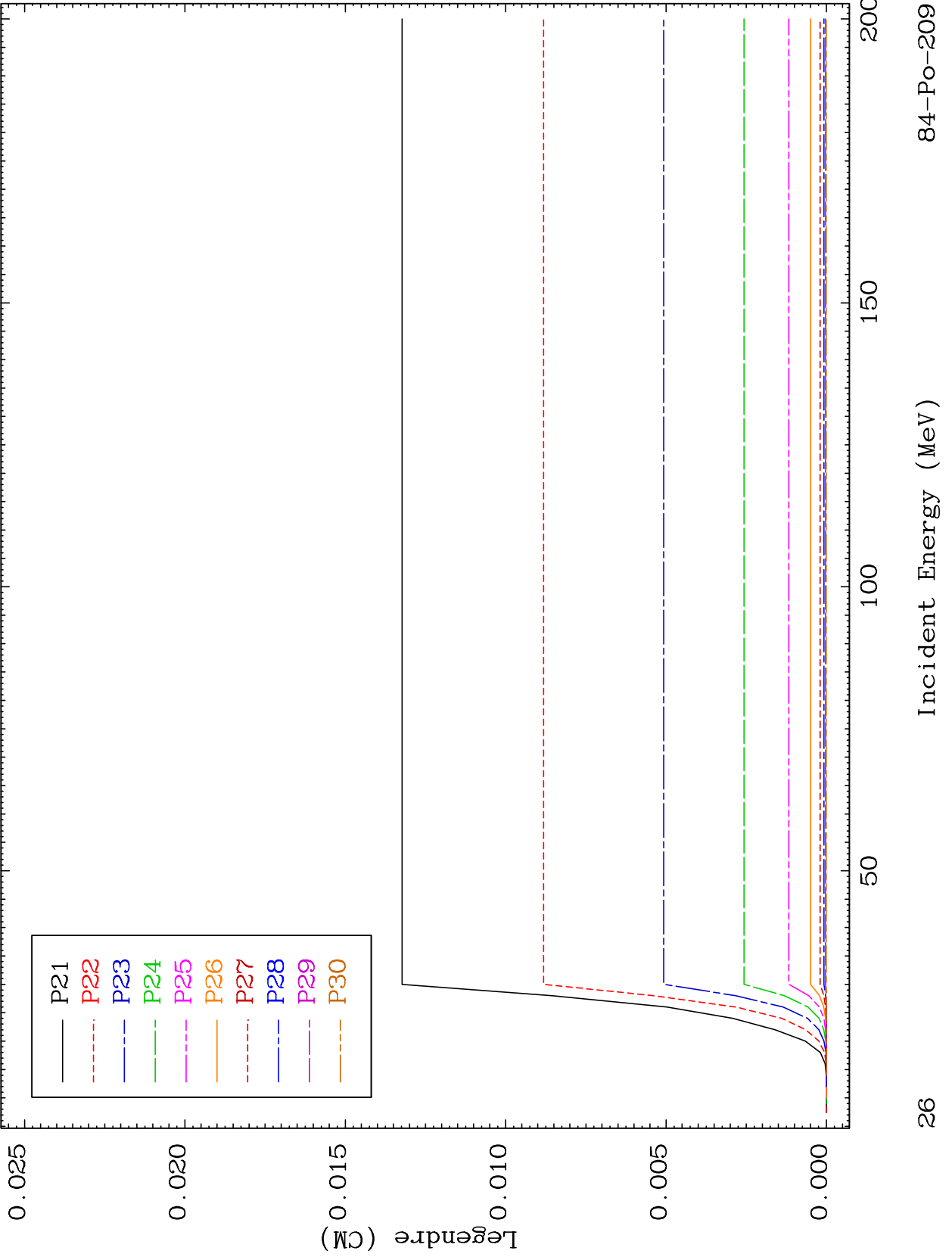
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



26

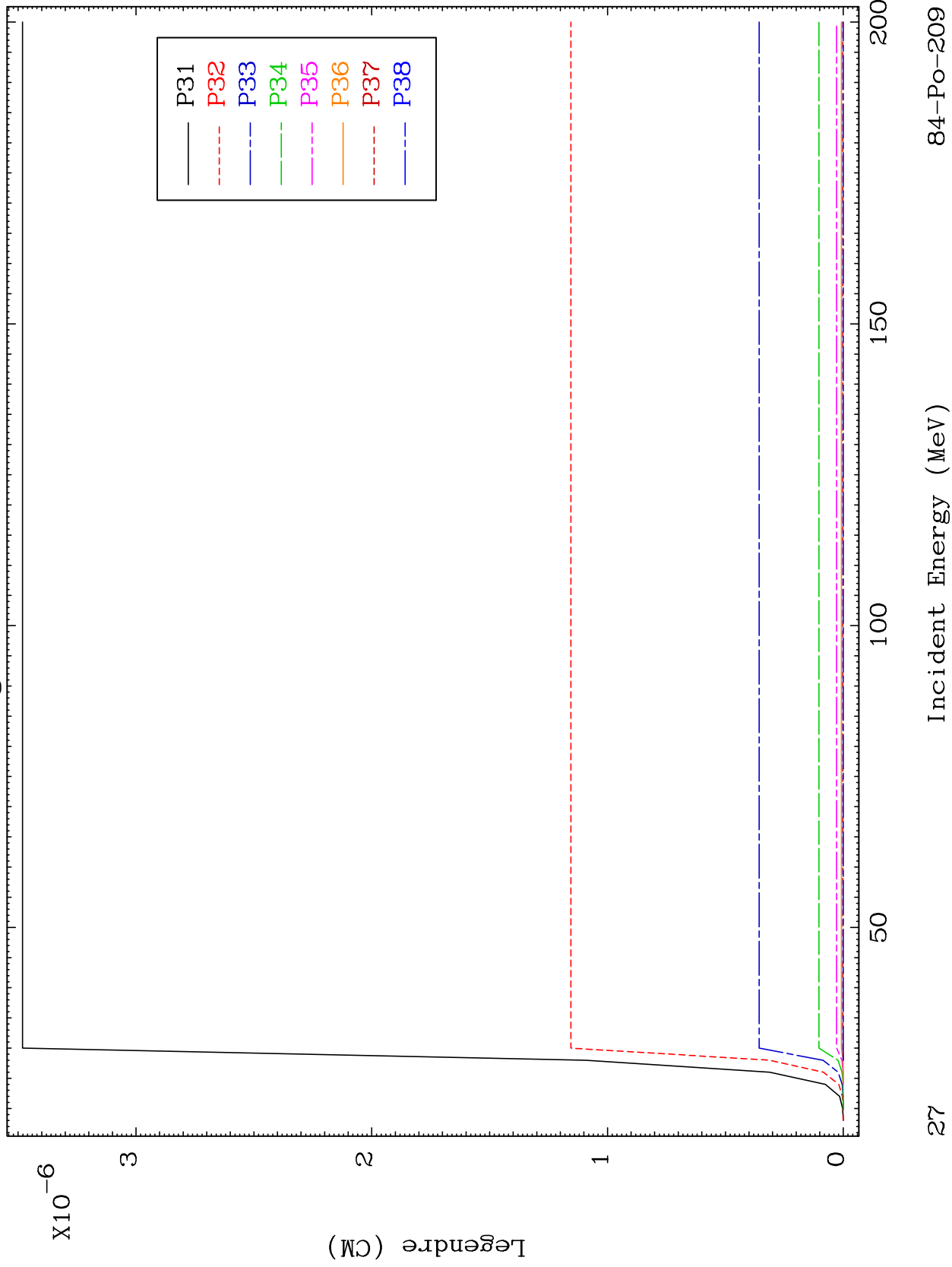
Incident Energy (MeV)

84-Po-209

MAT 8434

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

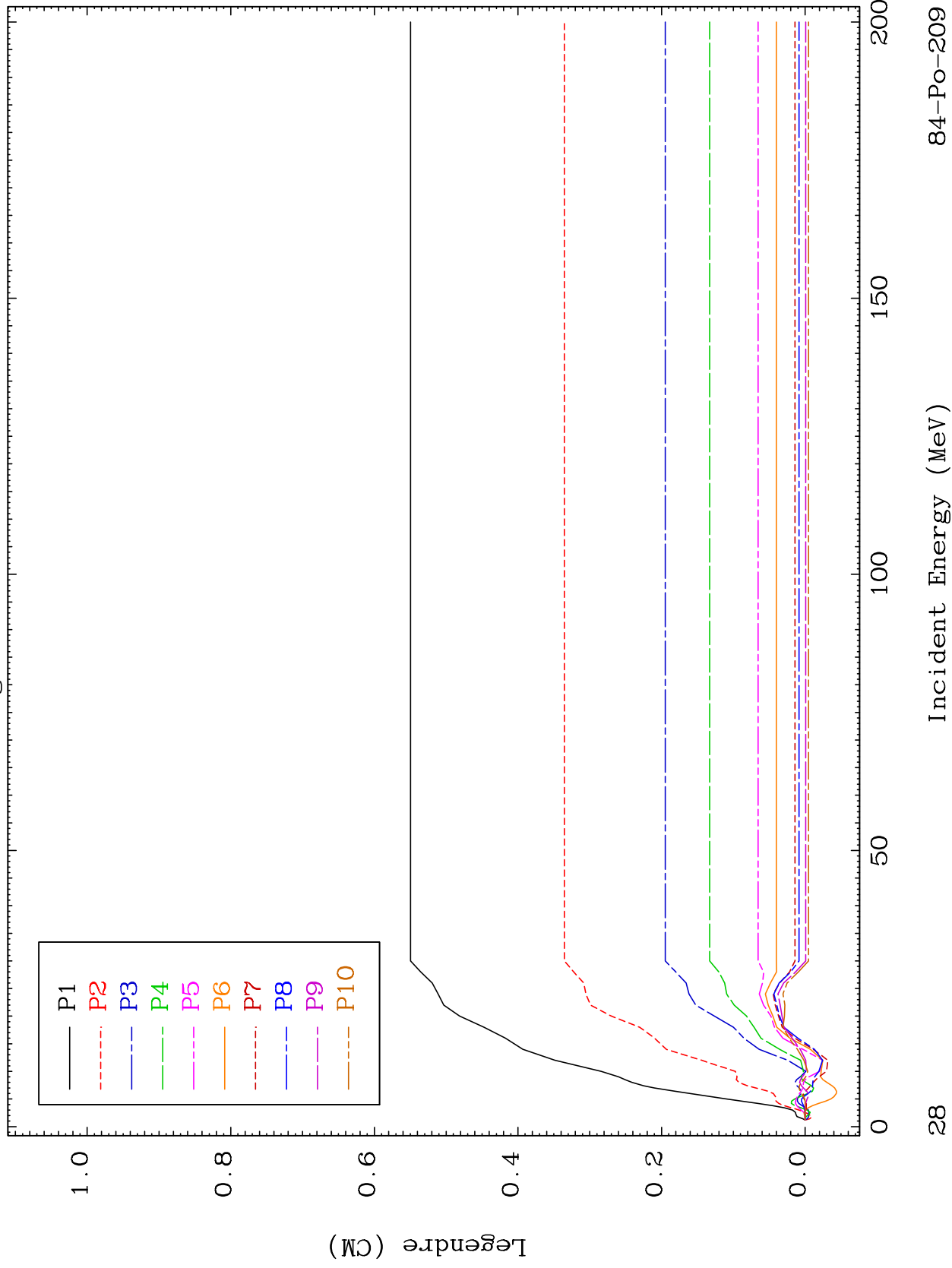
84-Po-209



MAT 8434

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

84-Po-209

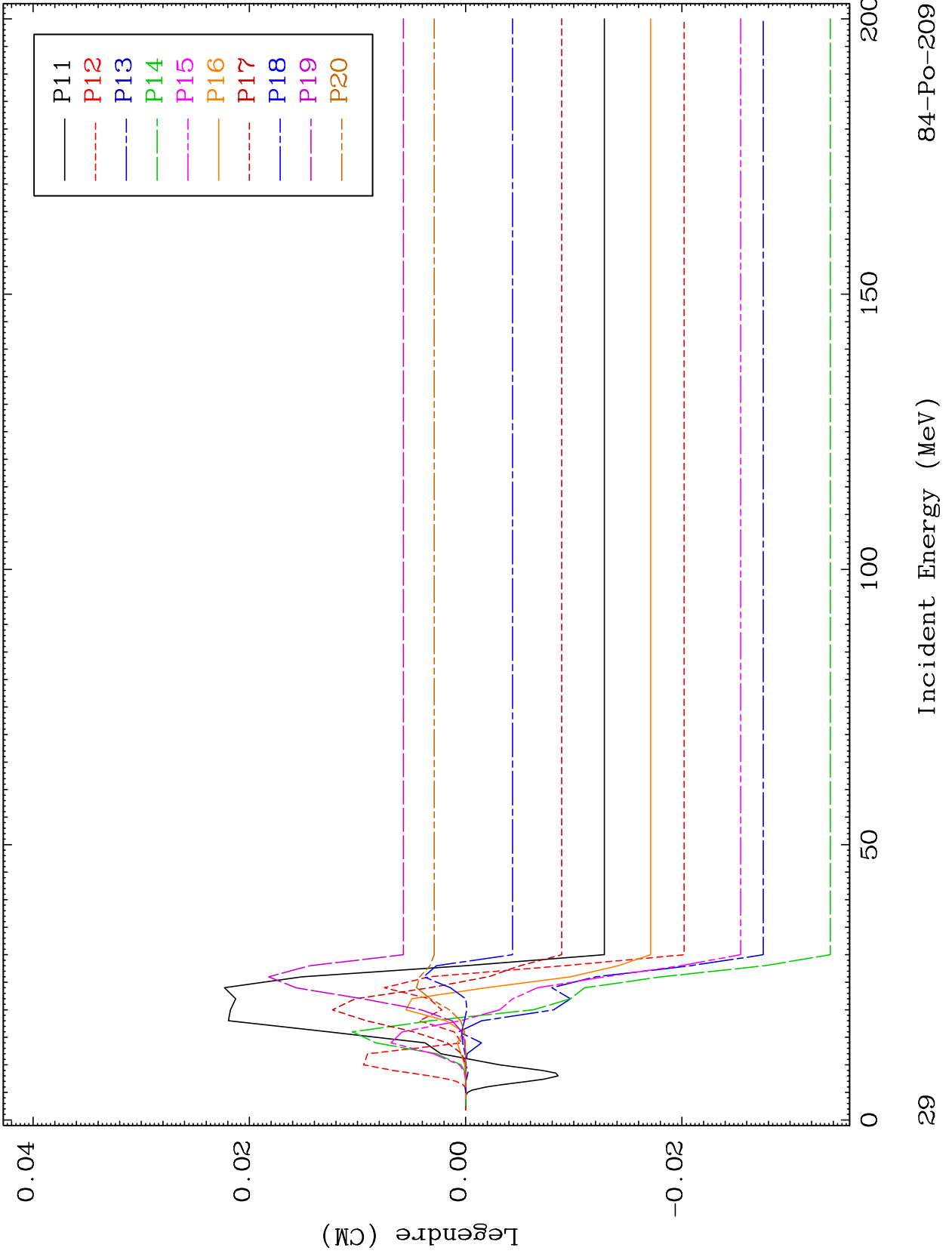


28

MAT 8434

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

84-Po-209



29

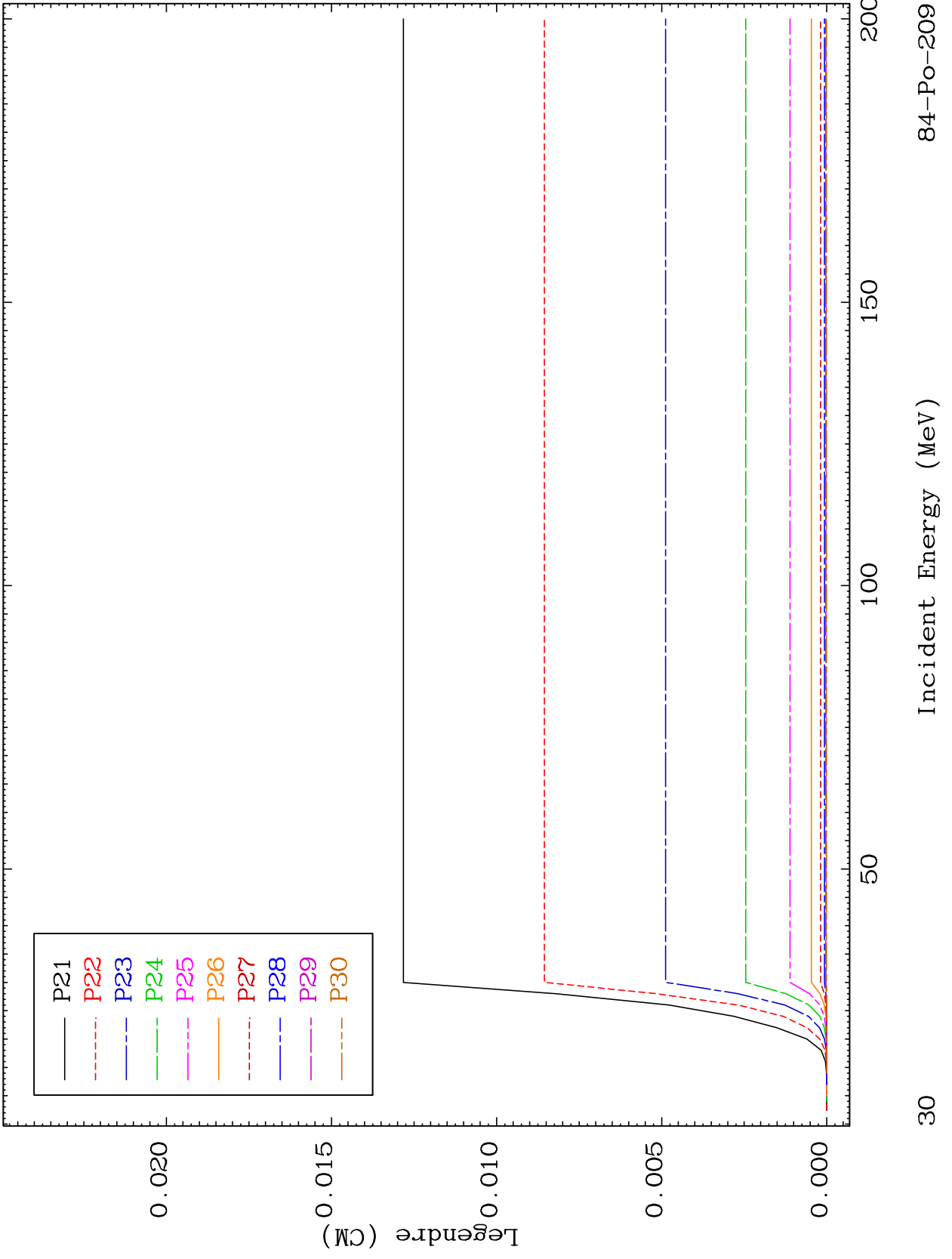
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



30

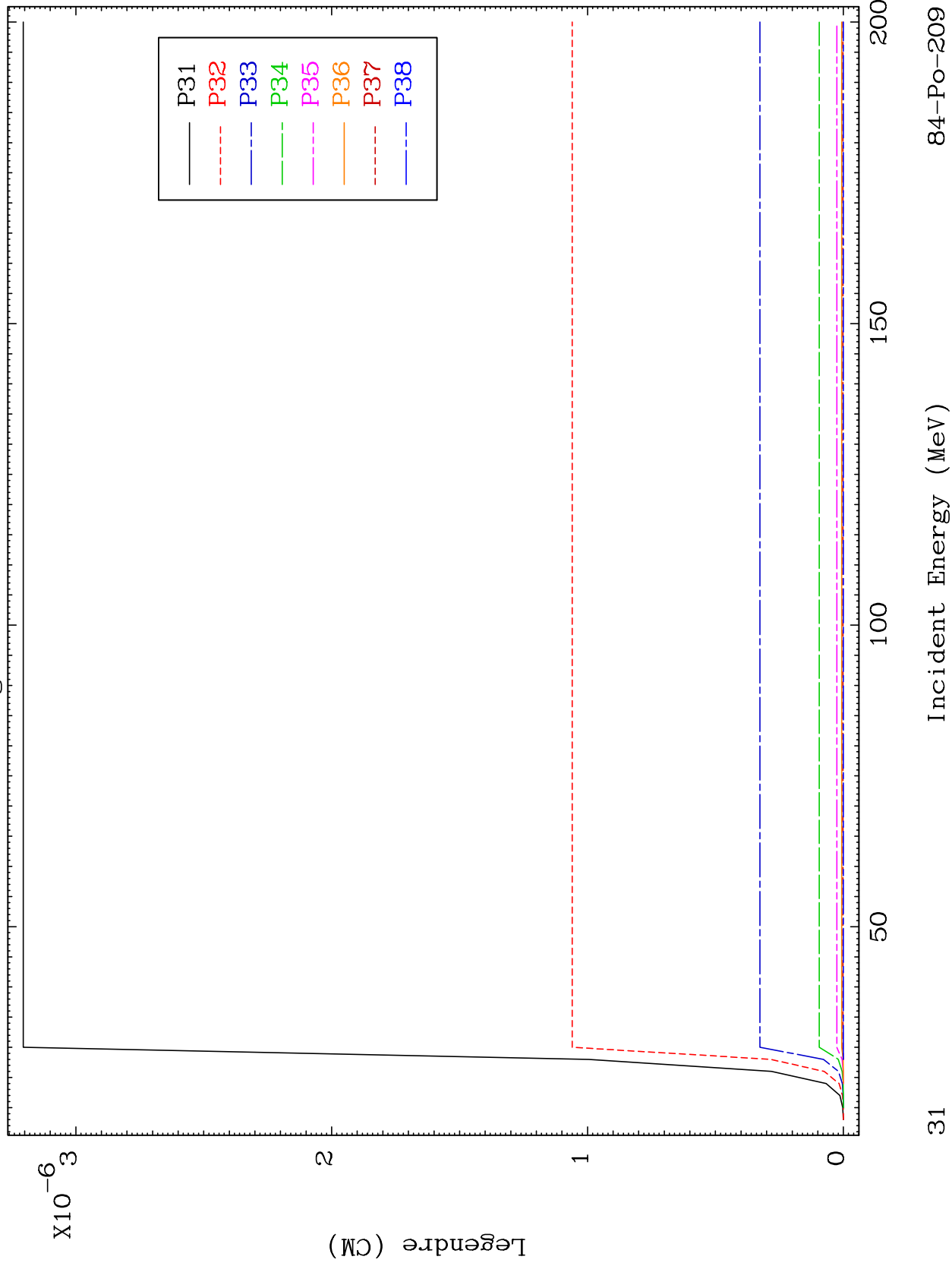
Incident Energy (MeV)

84-Po-209

MAT 8434

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

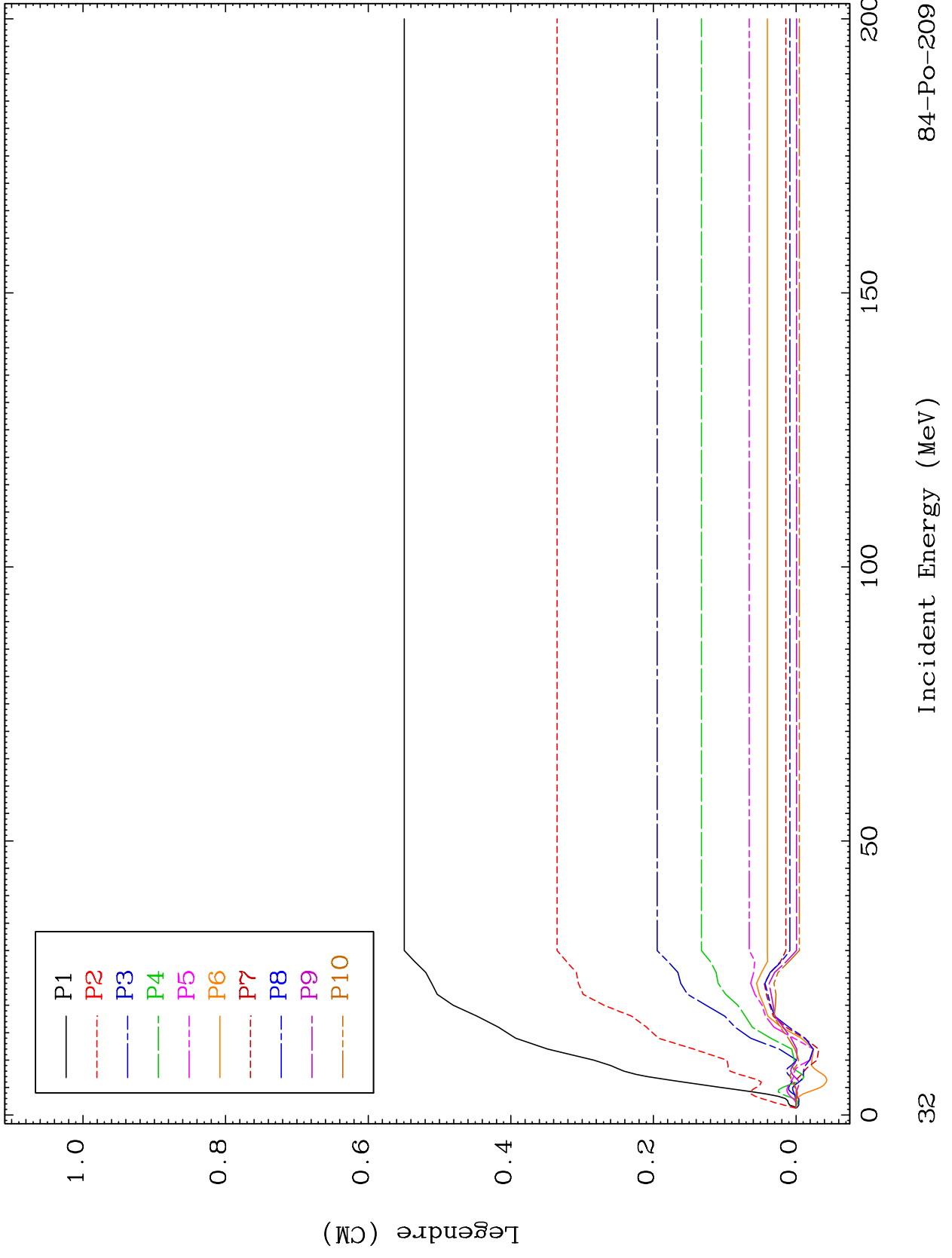
84-Po-209



MAT 8434

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

84-Po-209



32

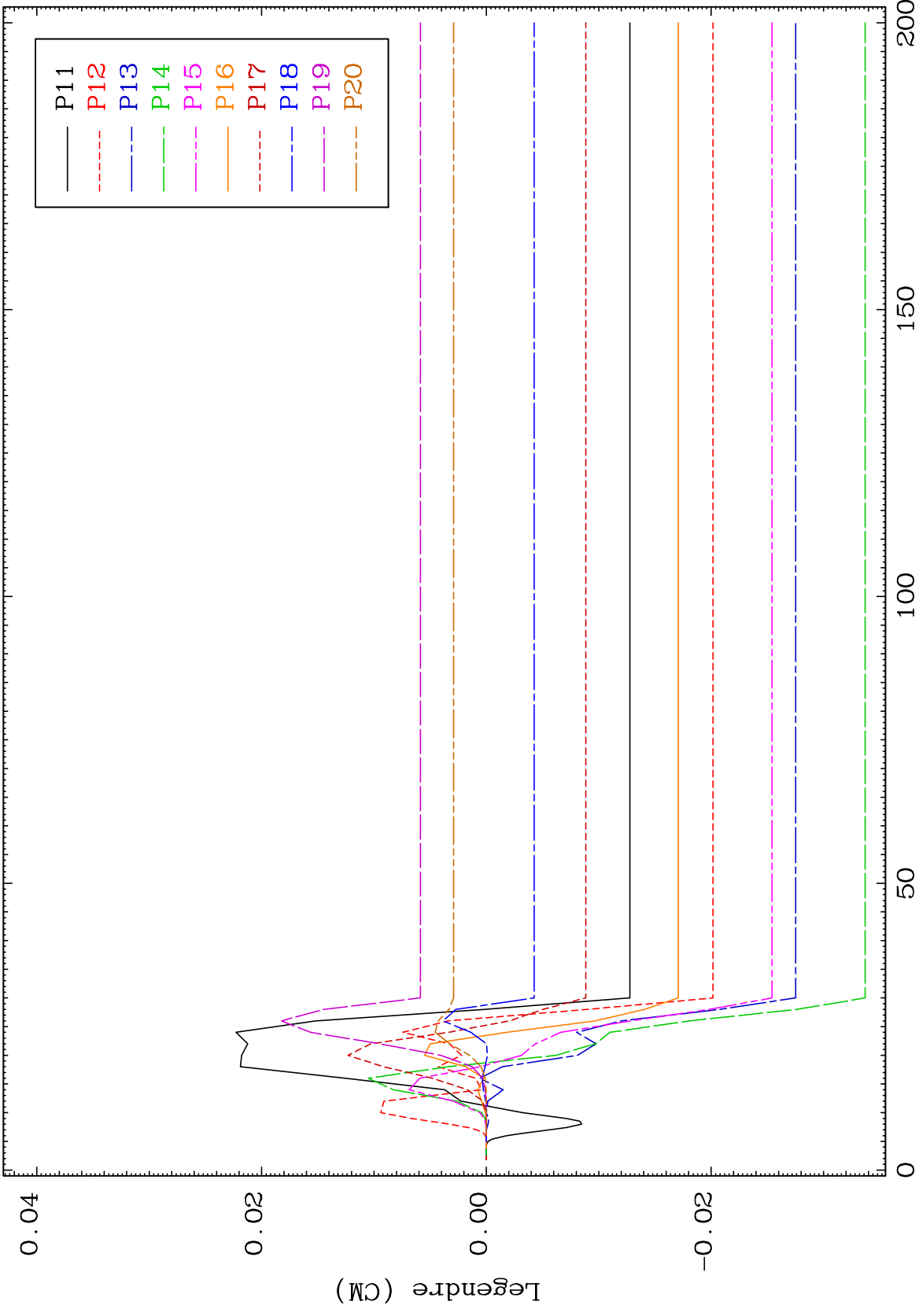
Incident Energy (MeV)

84-Po-209

MAT 8434

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

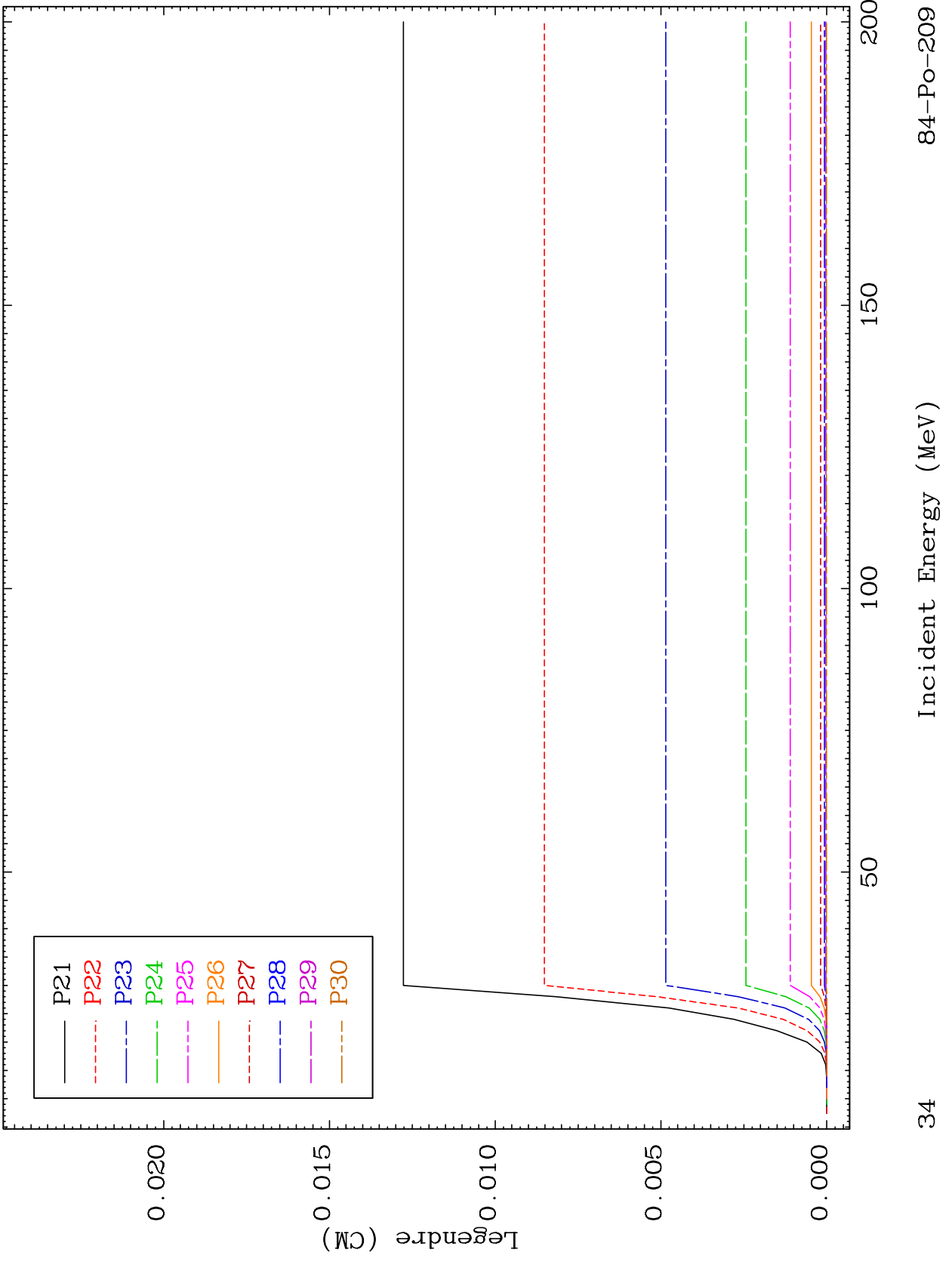
84-Po-209



33

Incident Energy (MeV)

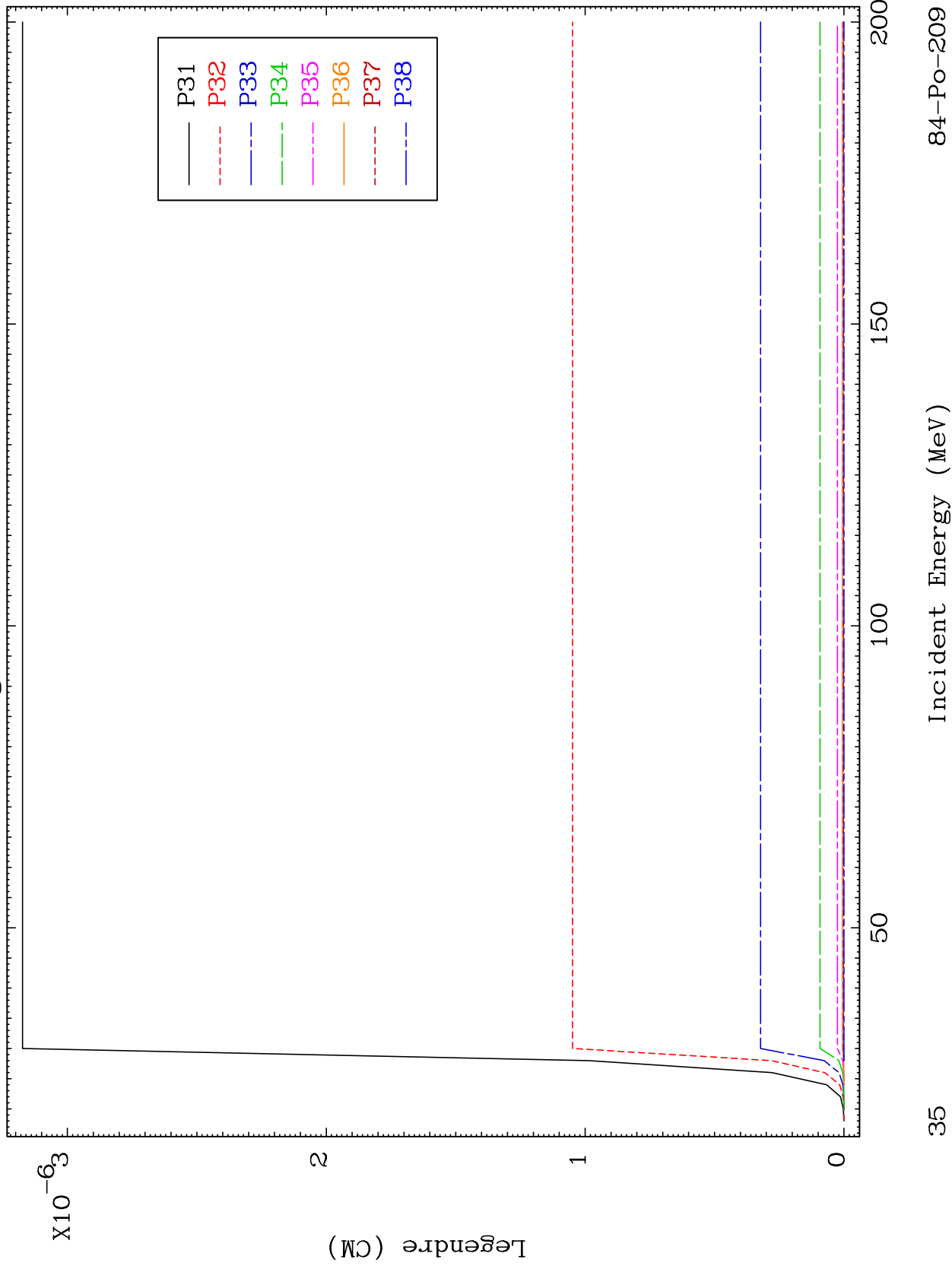
84-Po-209



MAT 8434

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

84-Po-209



35

Incident Energy (MeV)

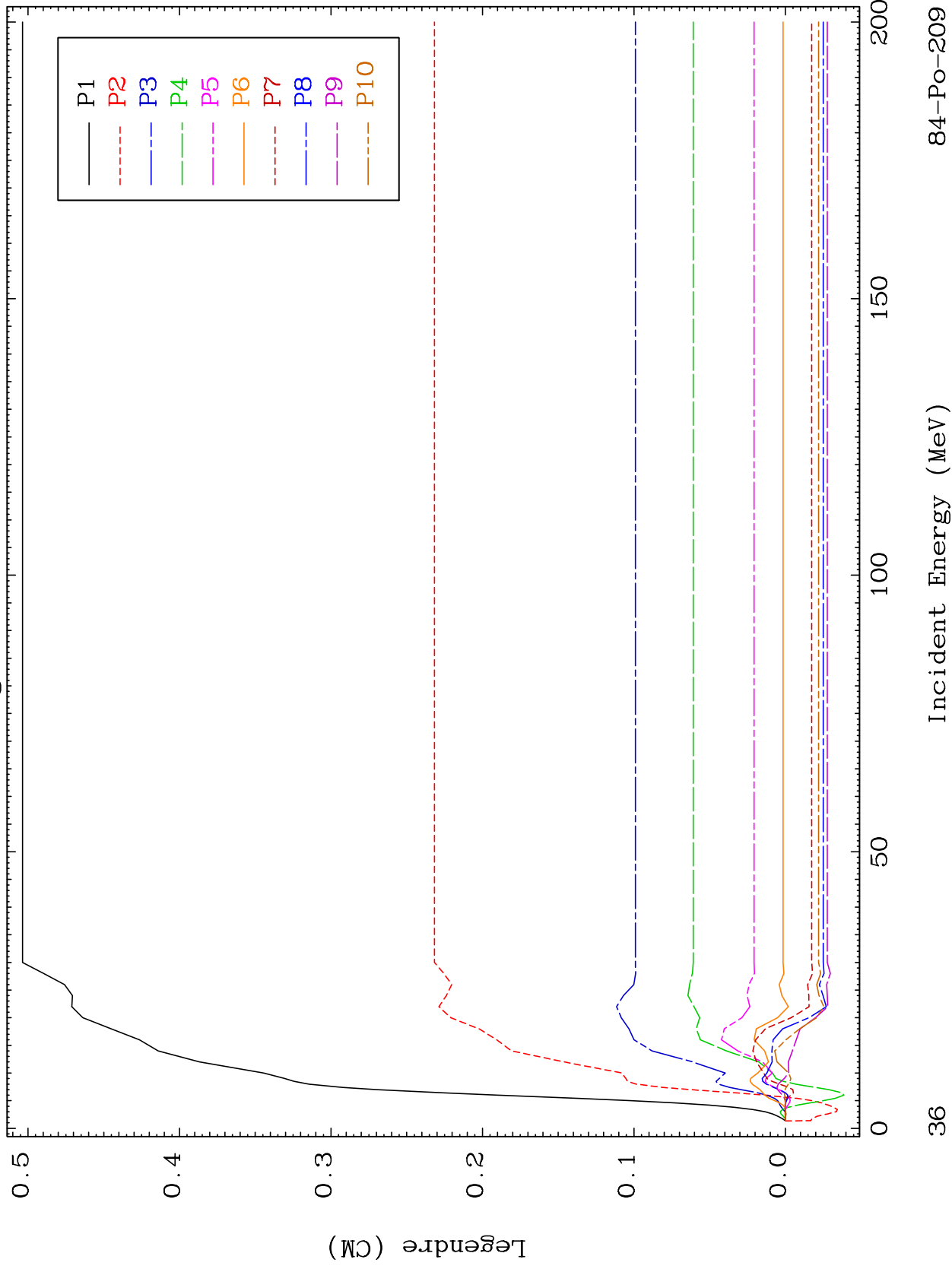
84-Po-209

MAT 8434

MT= 55 (n,n') Level

84-Po-209

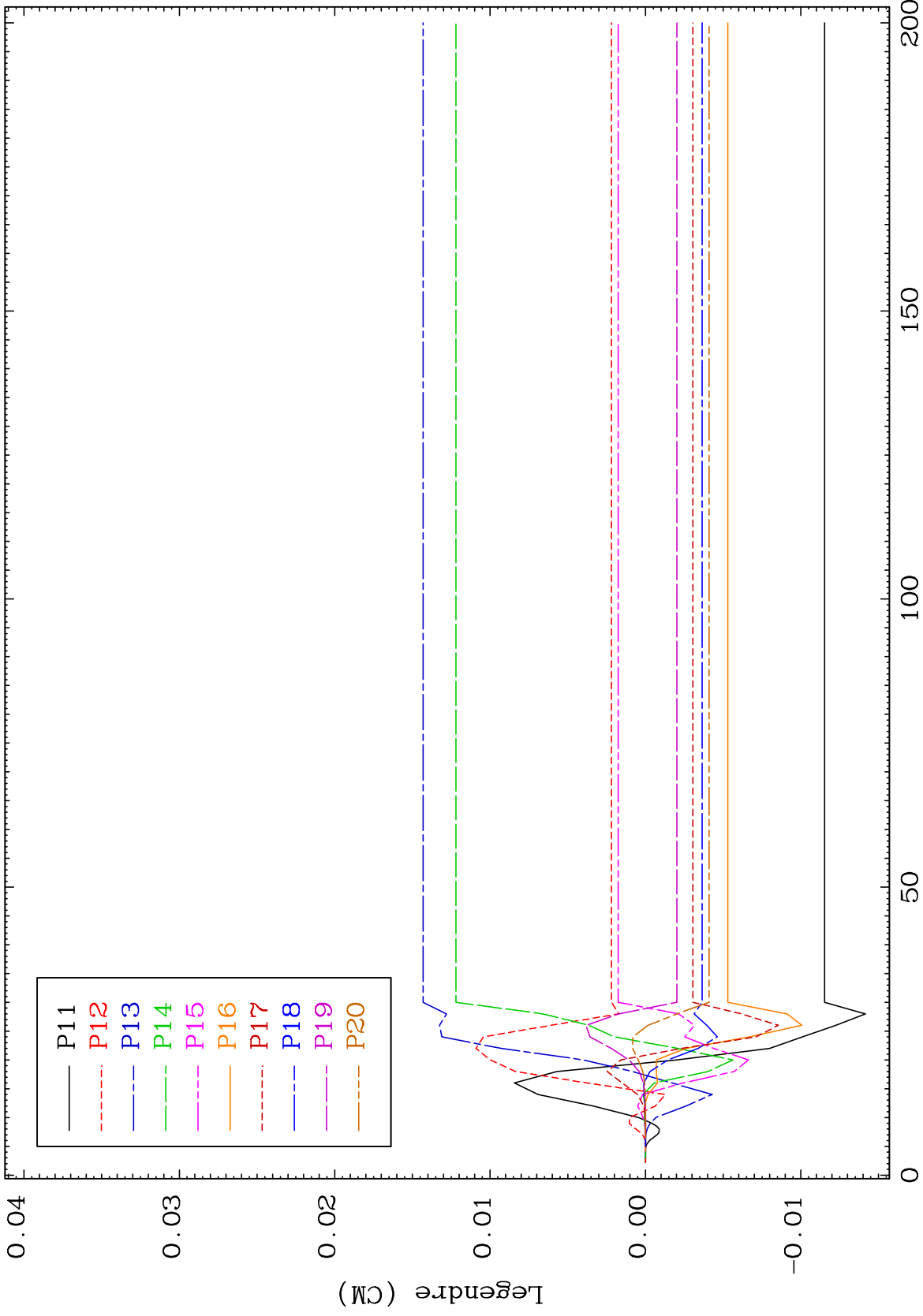
Legendre Coefficients



MAT 8434

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

84-Po-209



37

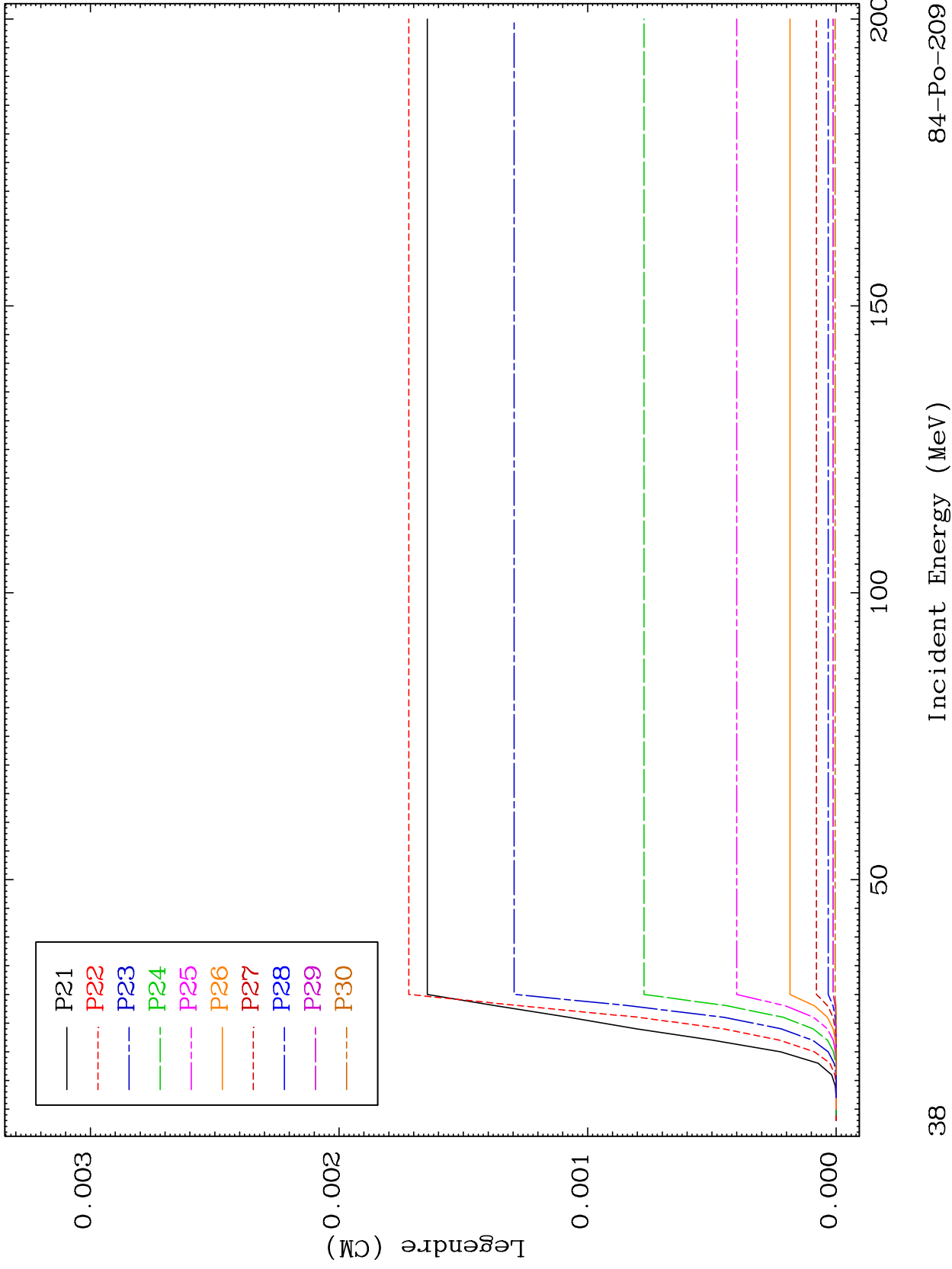
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



38

Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209

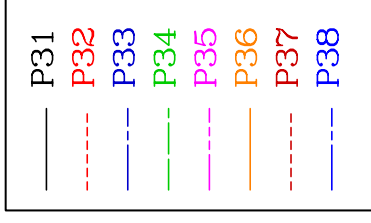
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Legendre (CM)

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0.5

0.0



200

150

100

50

39

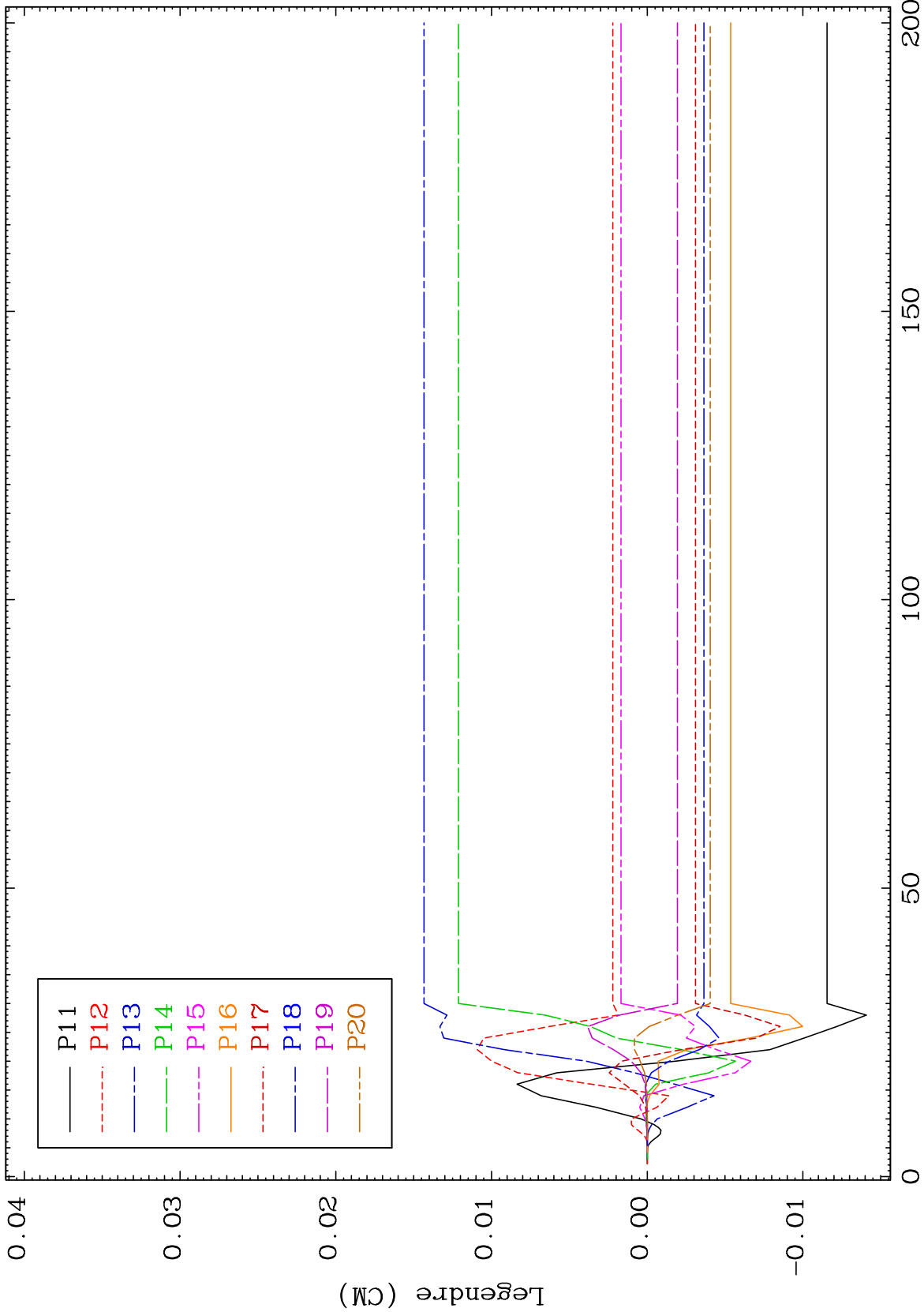
Incident Energy (MeV)

84-Po-209

MAT 8434

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

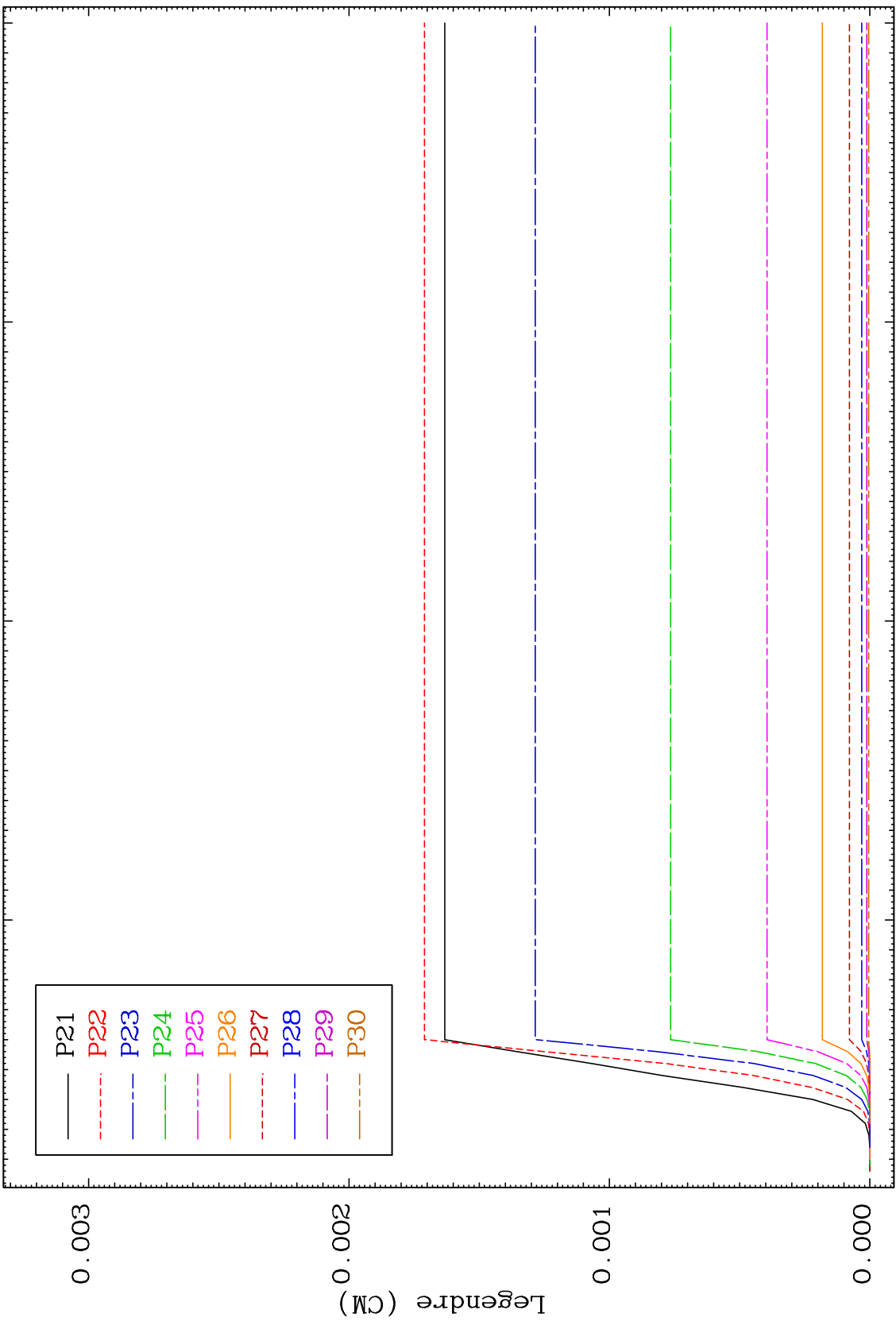
84-Po-209



MAT 8434

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

84-Po-209



42

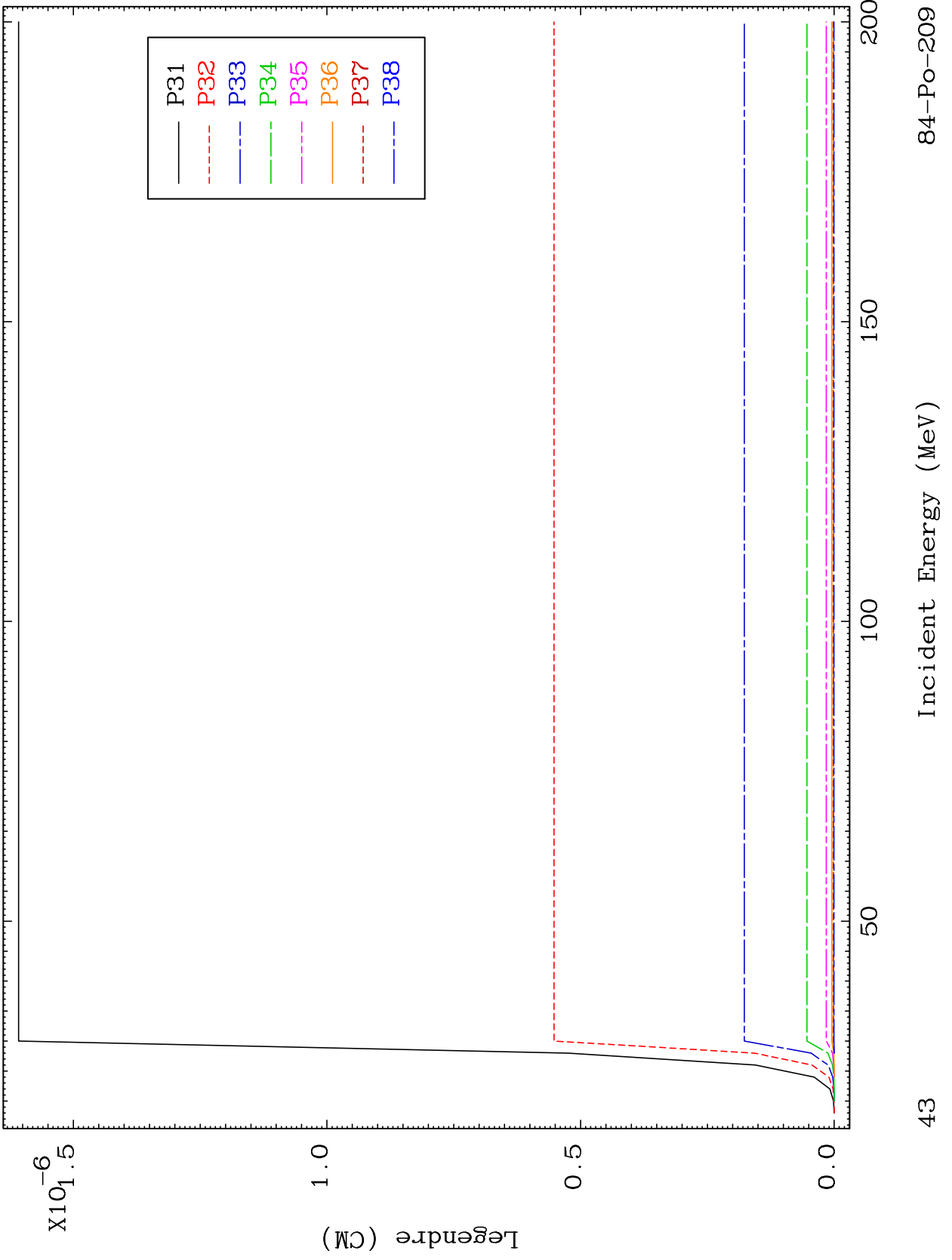
Incident Energy (MeV)

84-Po-209

MAT 8434

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

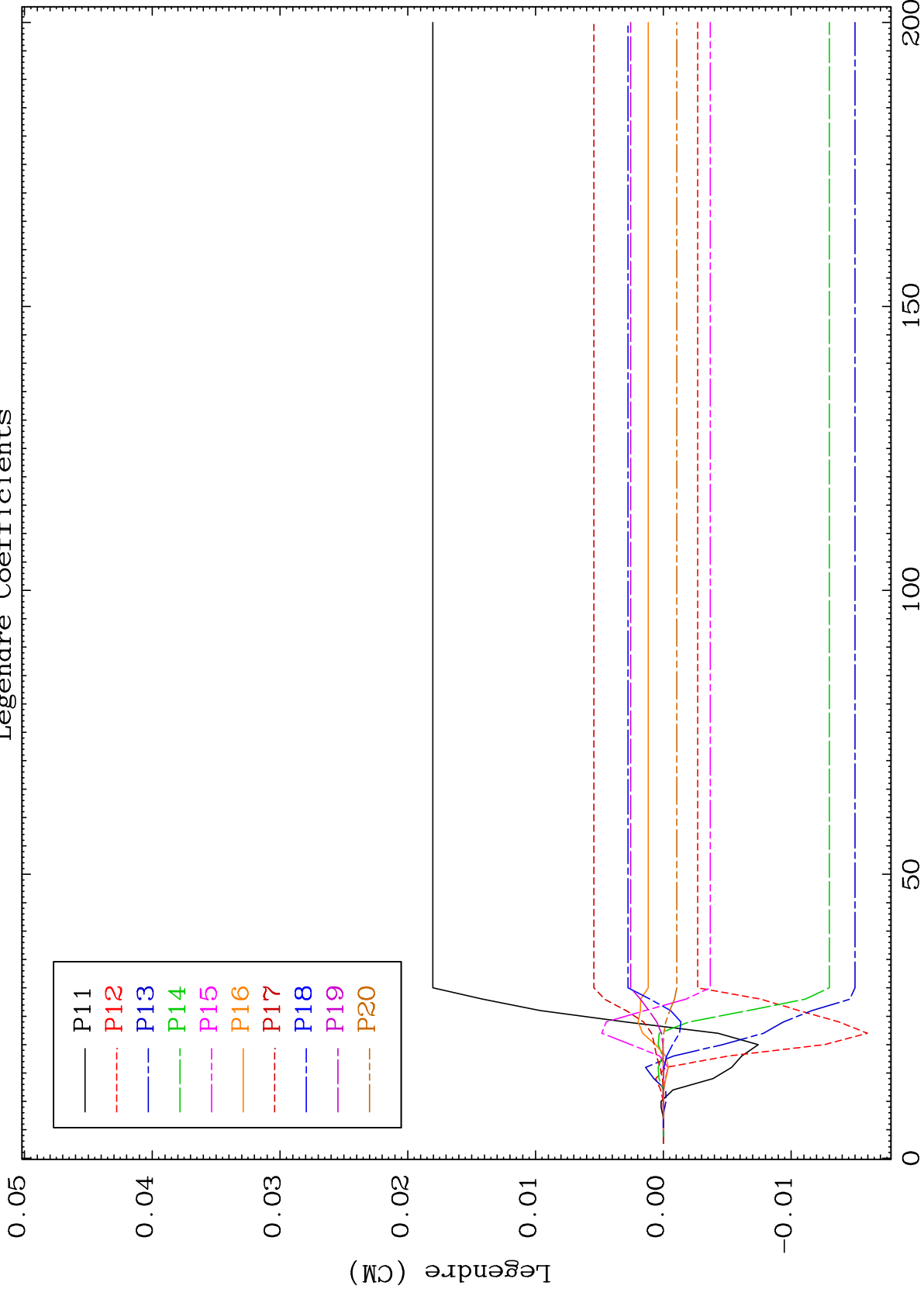
84-Po-209



MAT 8434

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

84-Po-209



45

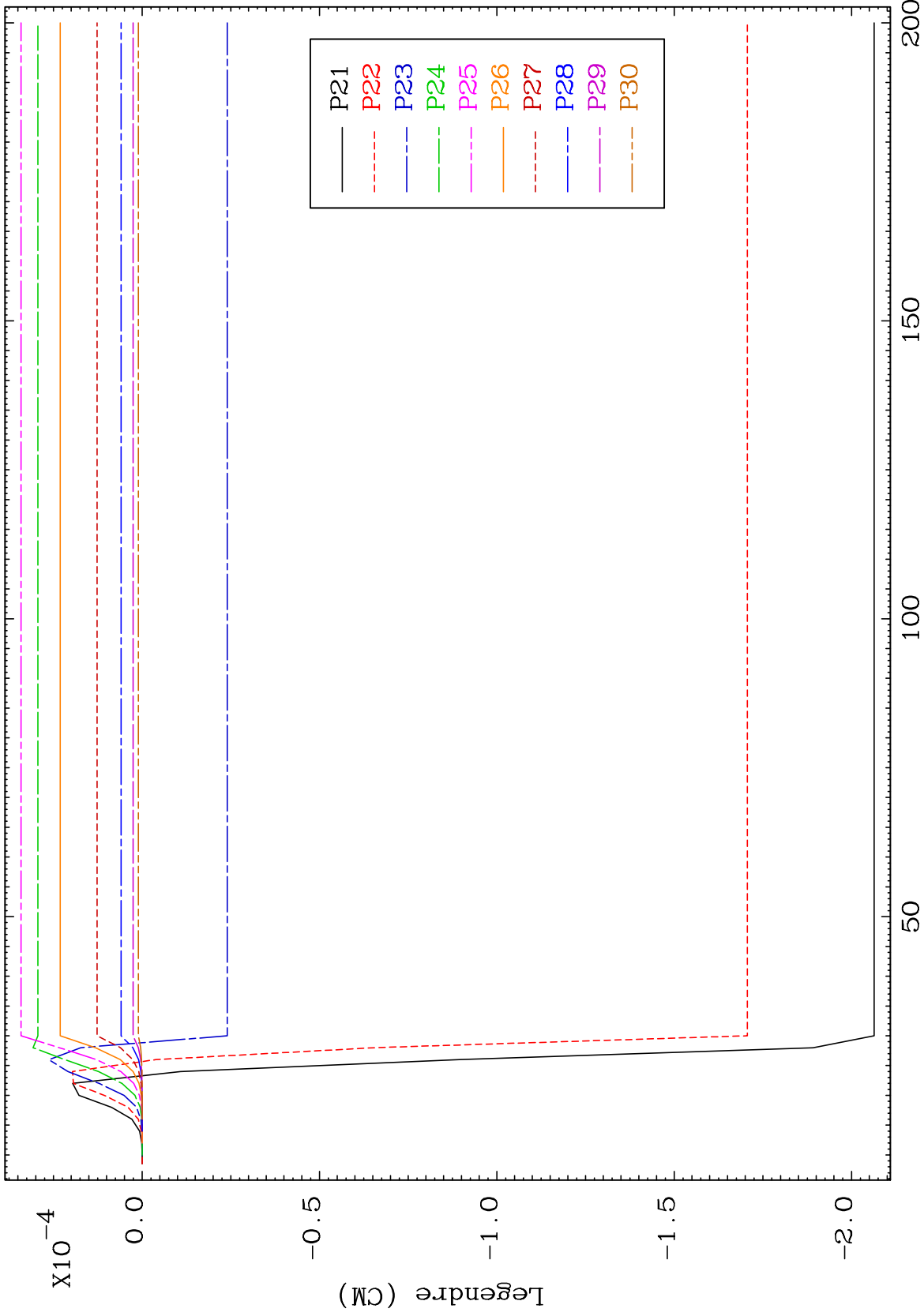
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



46

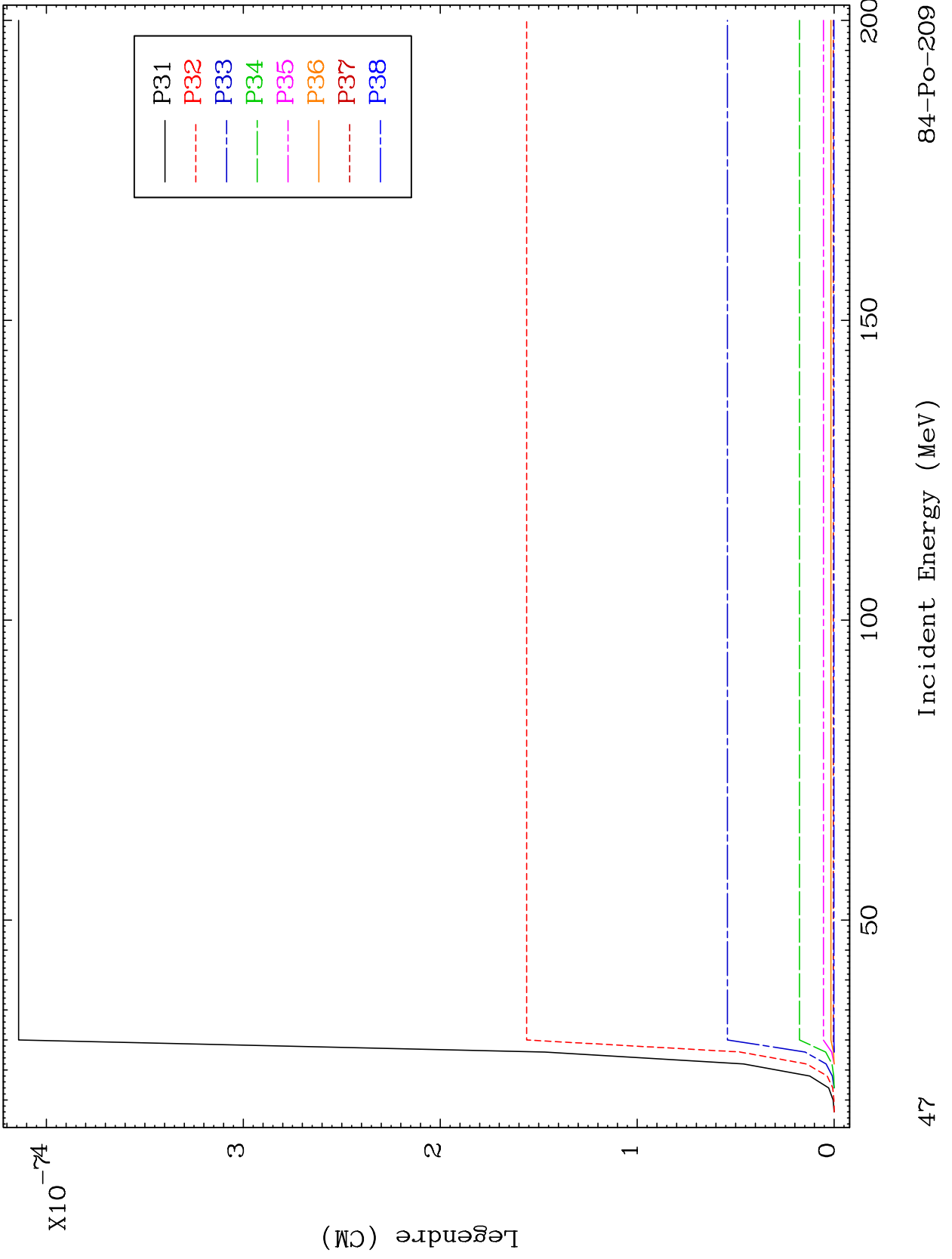
Incident Energy (MeV)

84-Po-209

MAT 8434

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

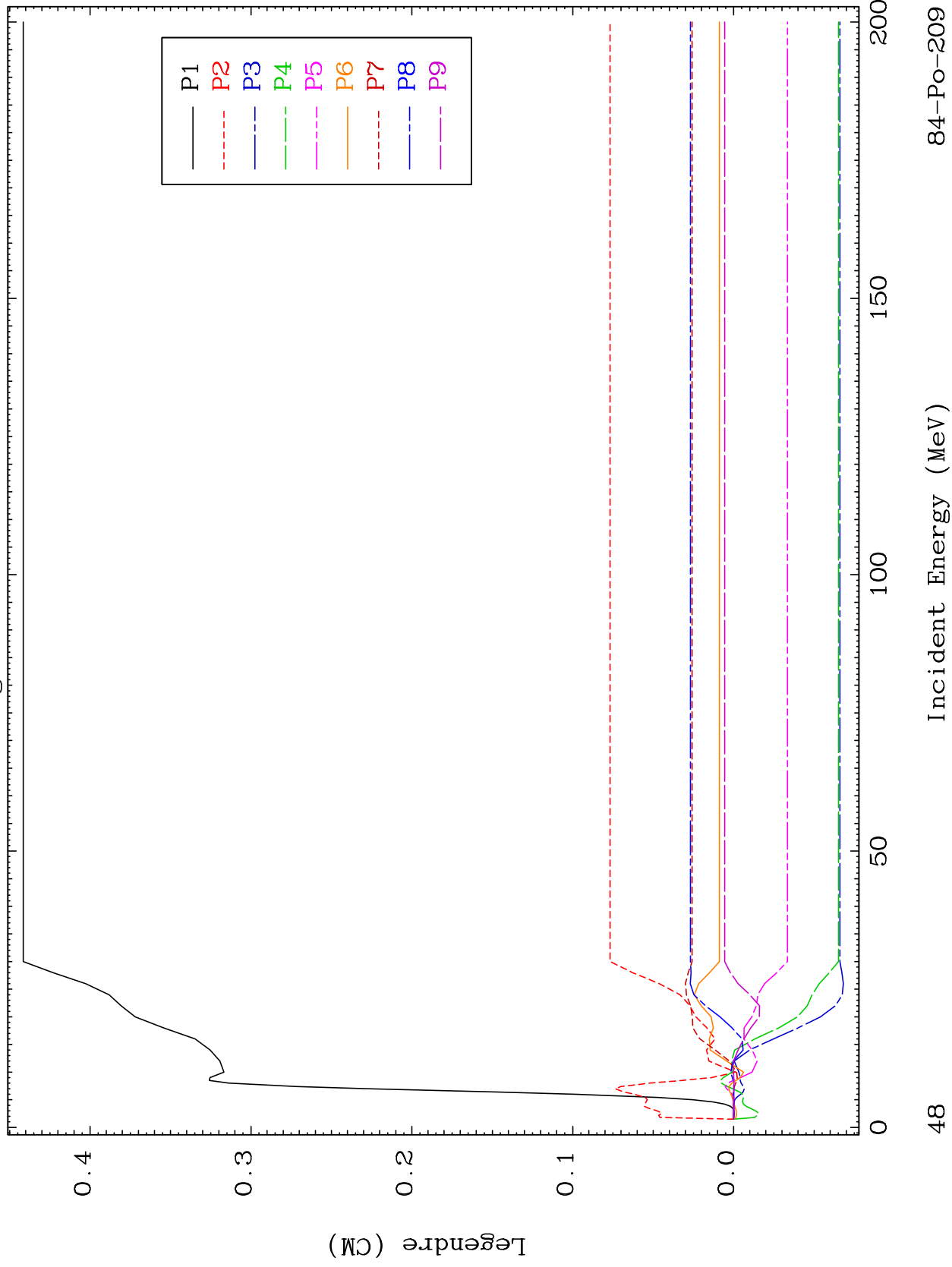
84-Po-209



MAT 8434

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

84-Po-209



84-Po-209

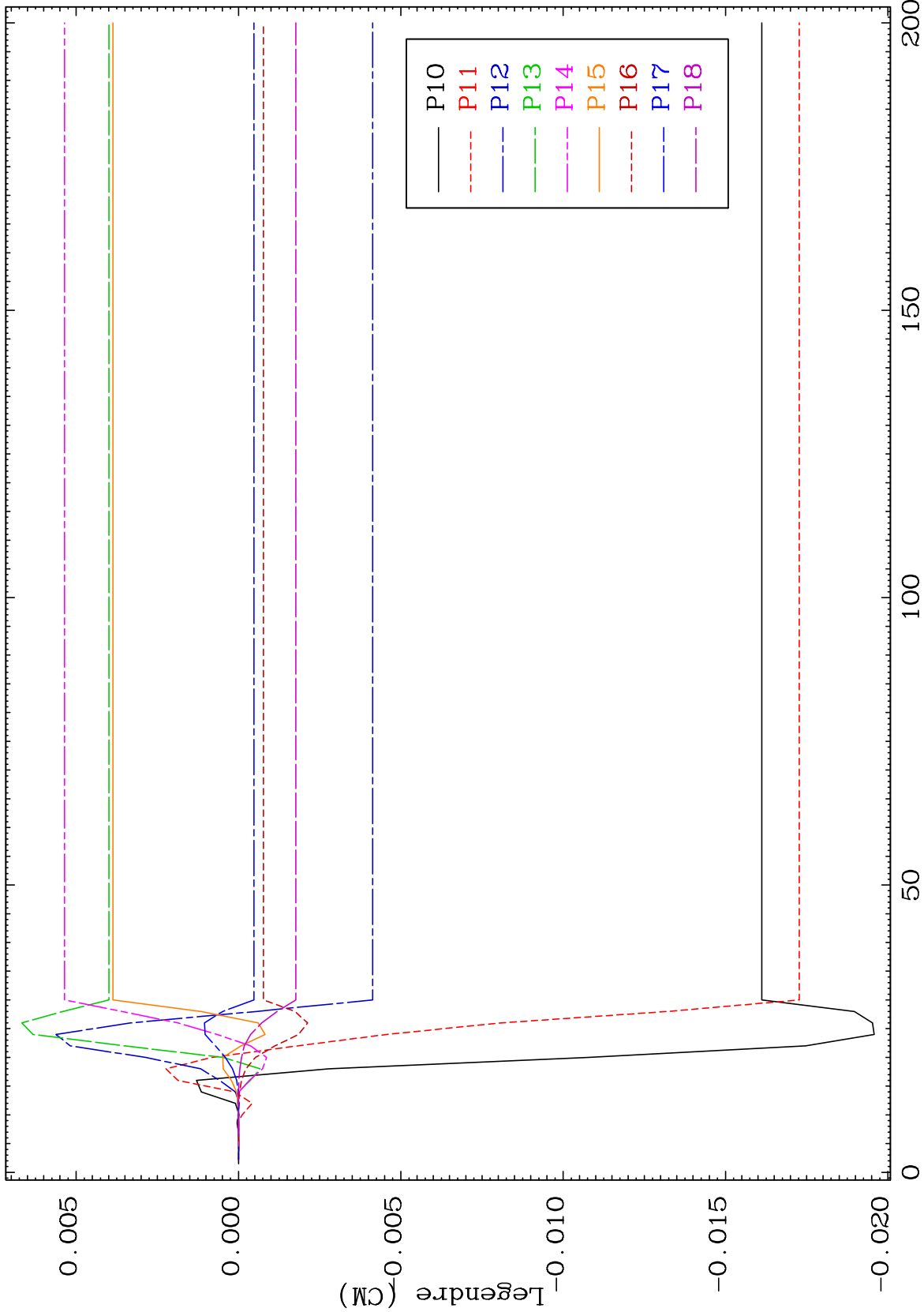
Incident Energy (MeV)

48

MAT 8434

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

84-Po-209



49

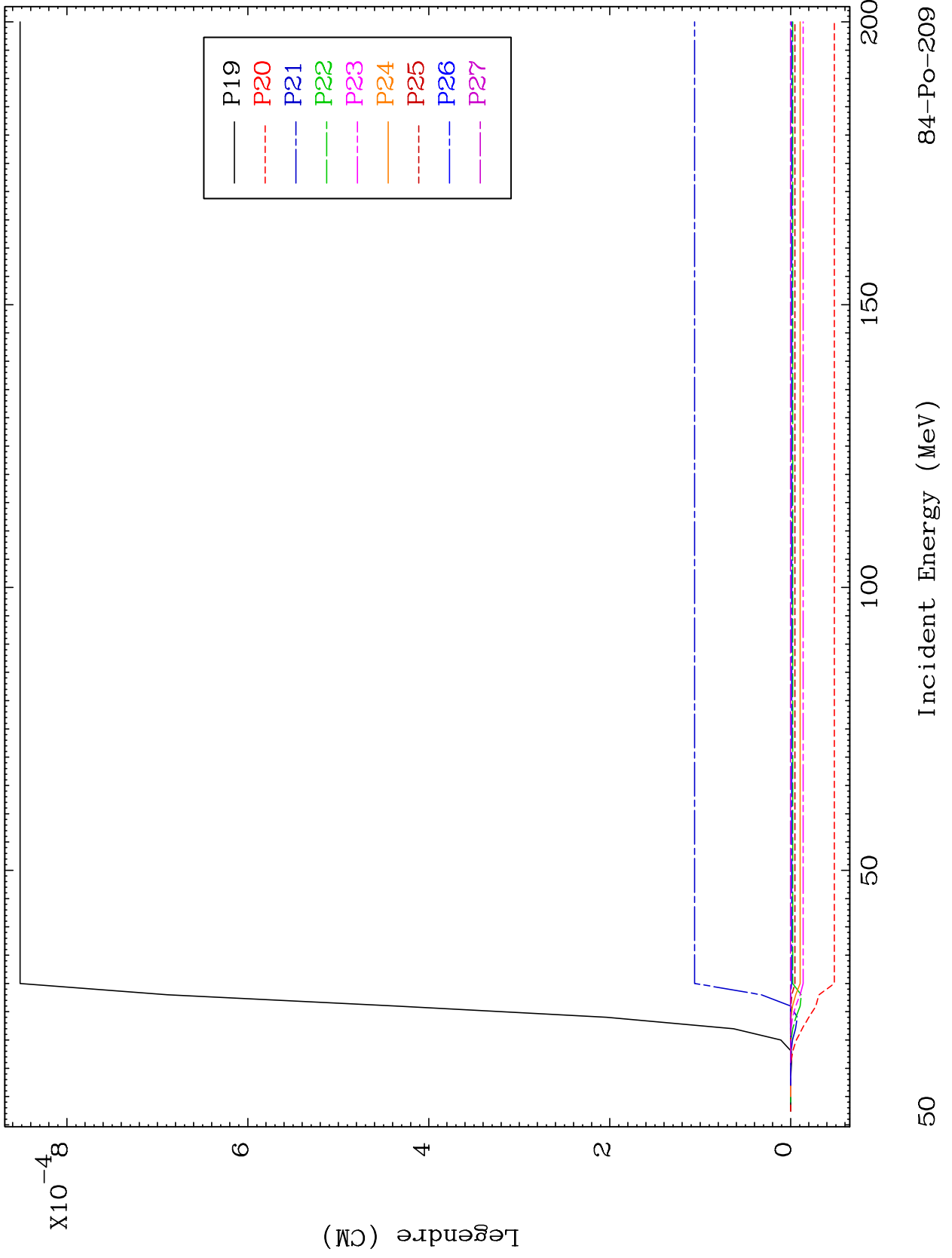
Incident Energy (MeV)

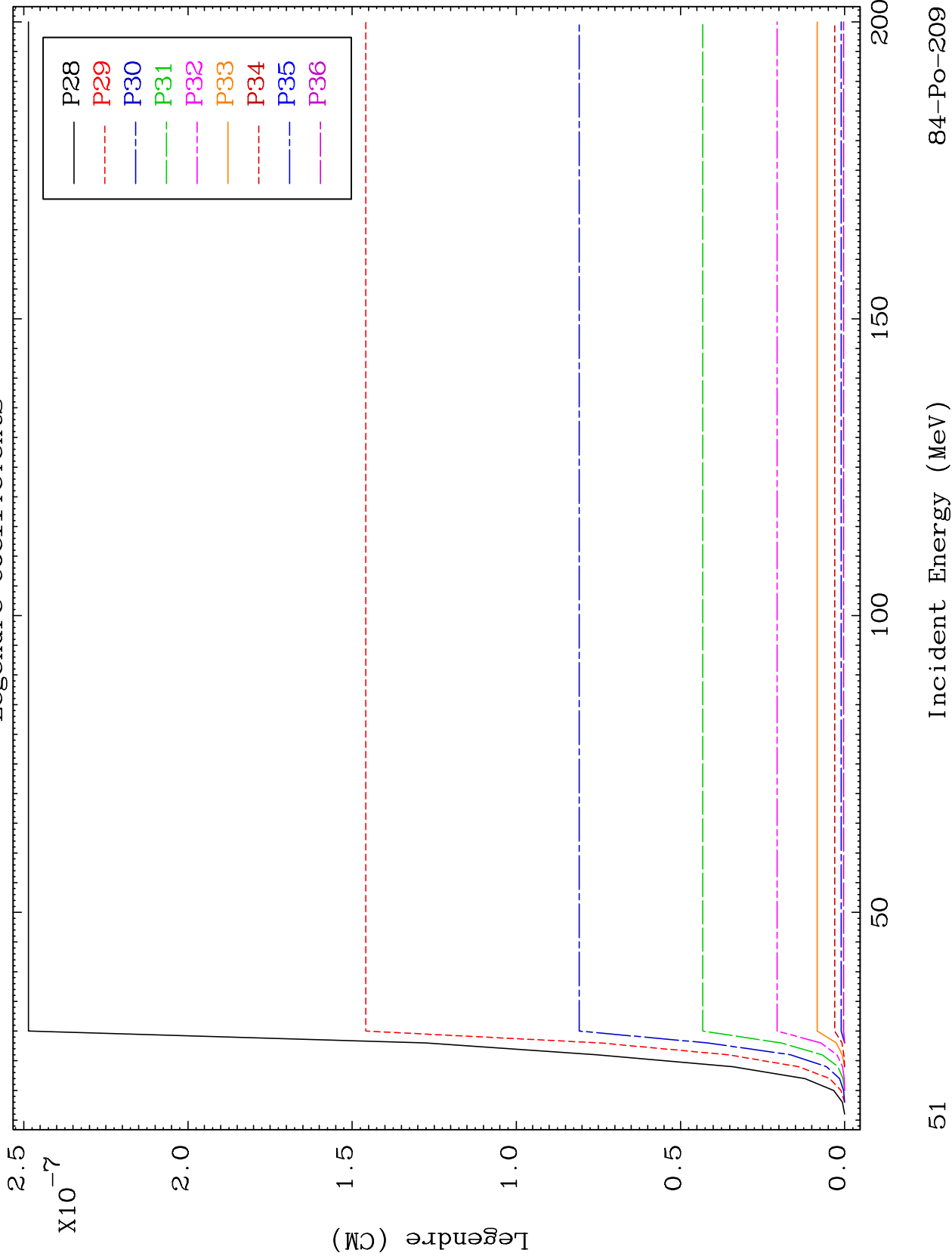
84-Po-209

MAT 8434

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

84-Po-209

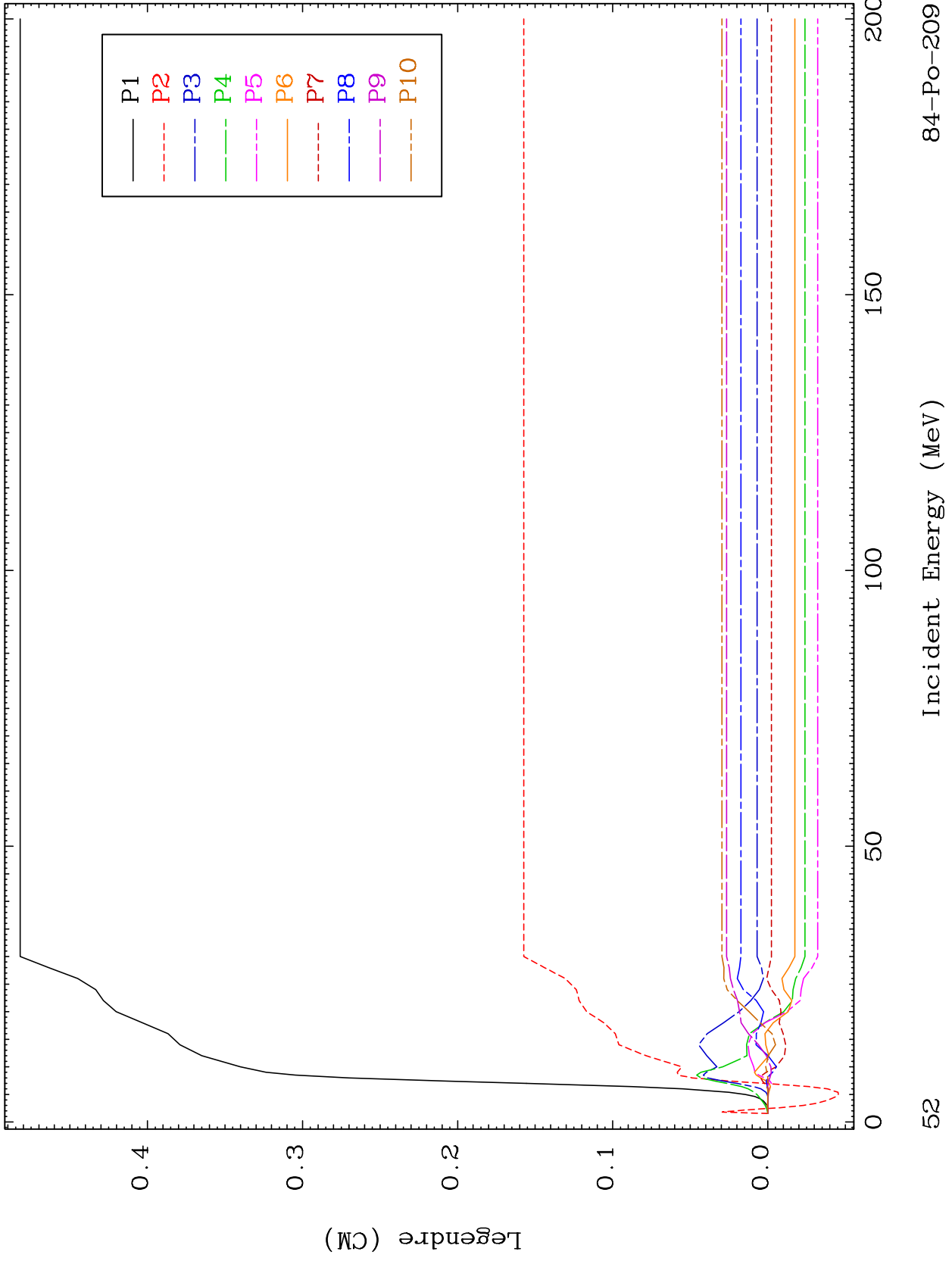




MAT 8434

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

84-Po-209



84-Po-209

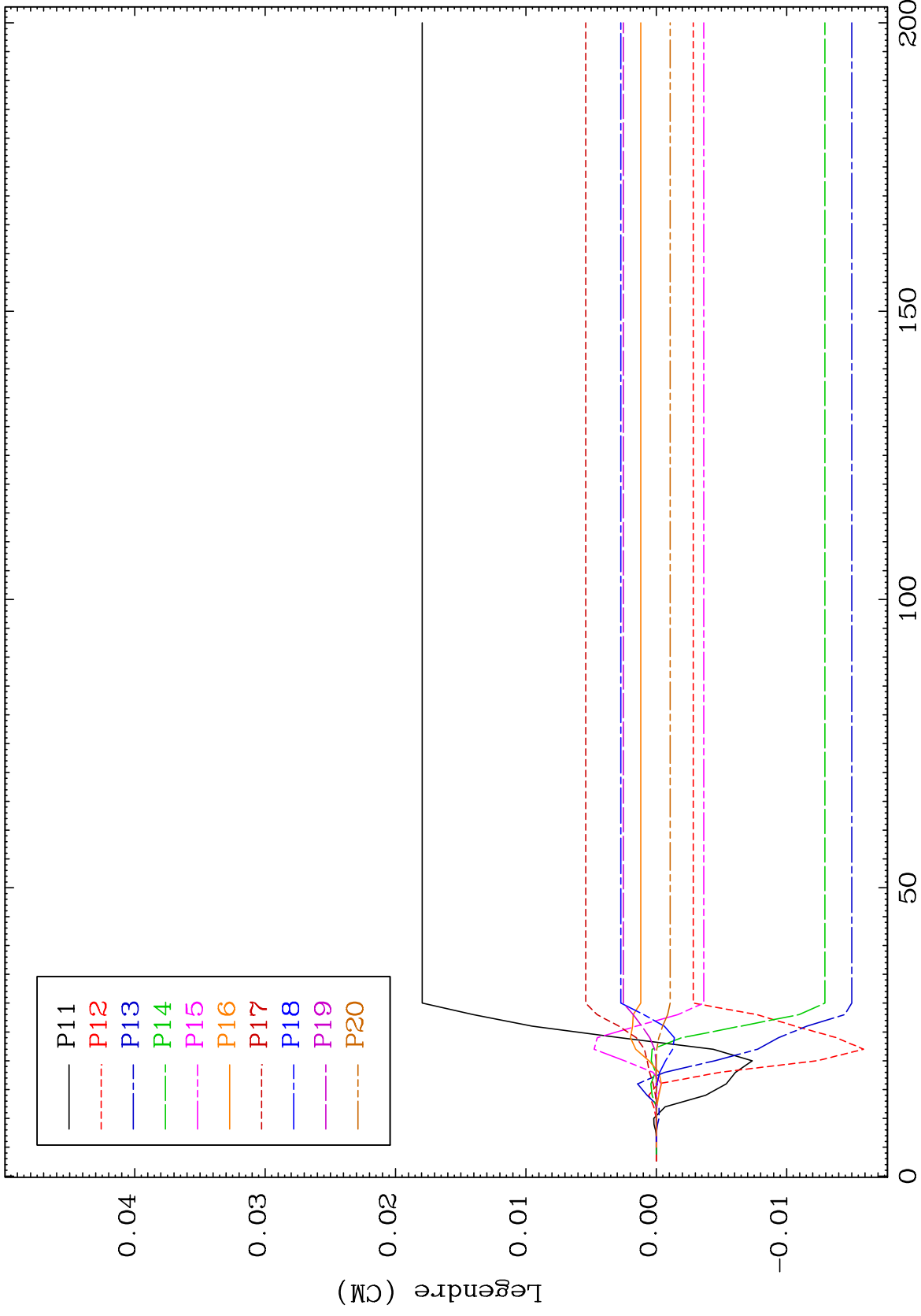
Incident Energy (MeV)

52

MAT 8434

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

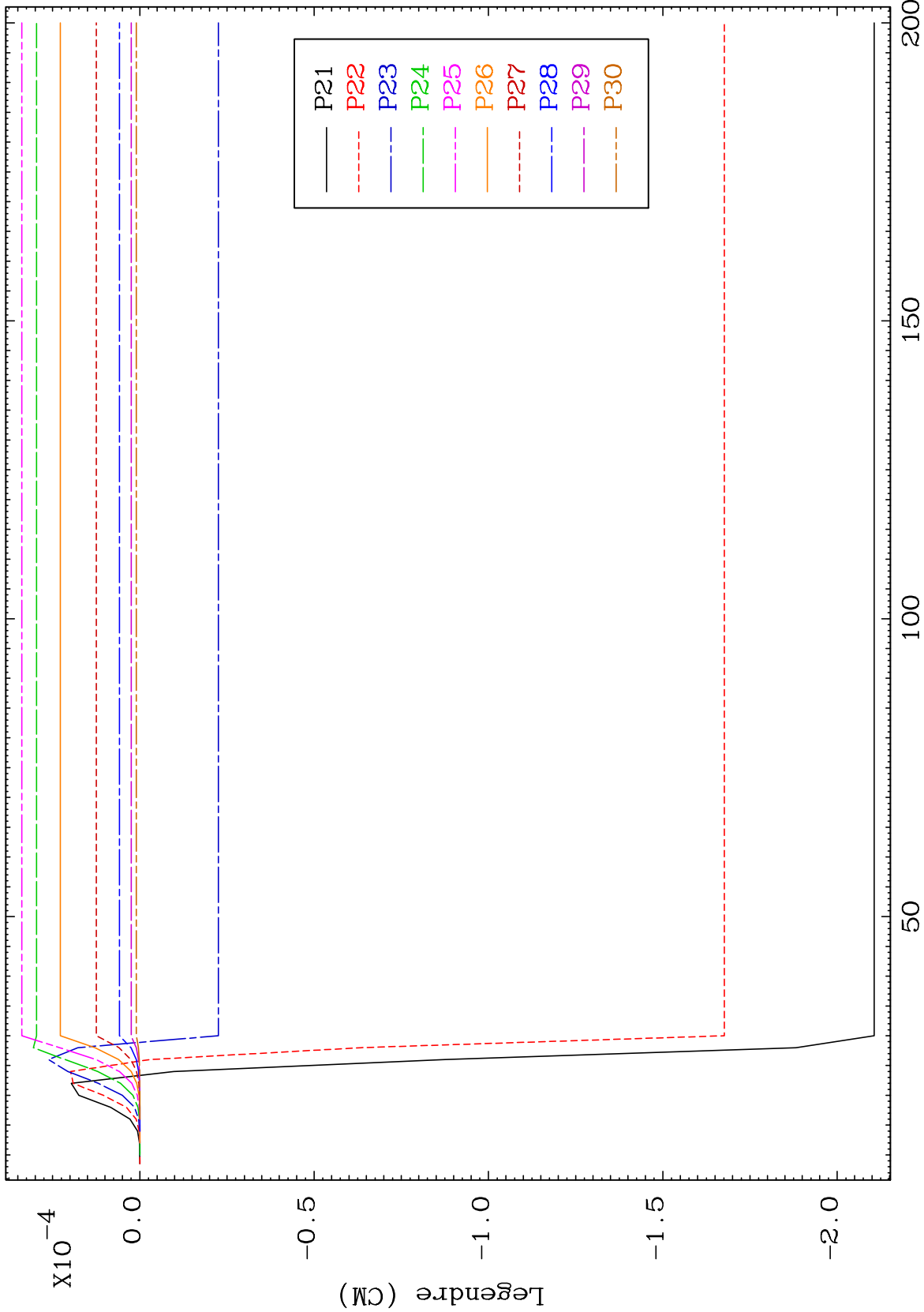
84-Po-209



53

Incident Energy (MeV)

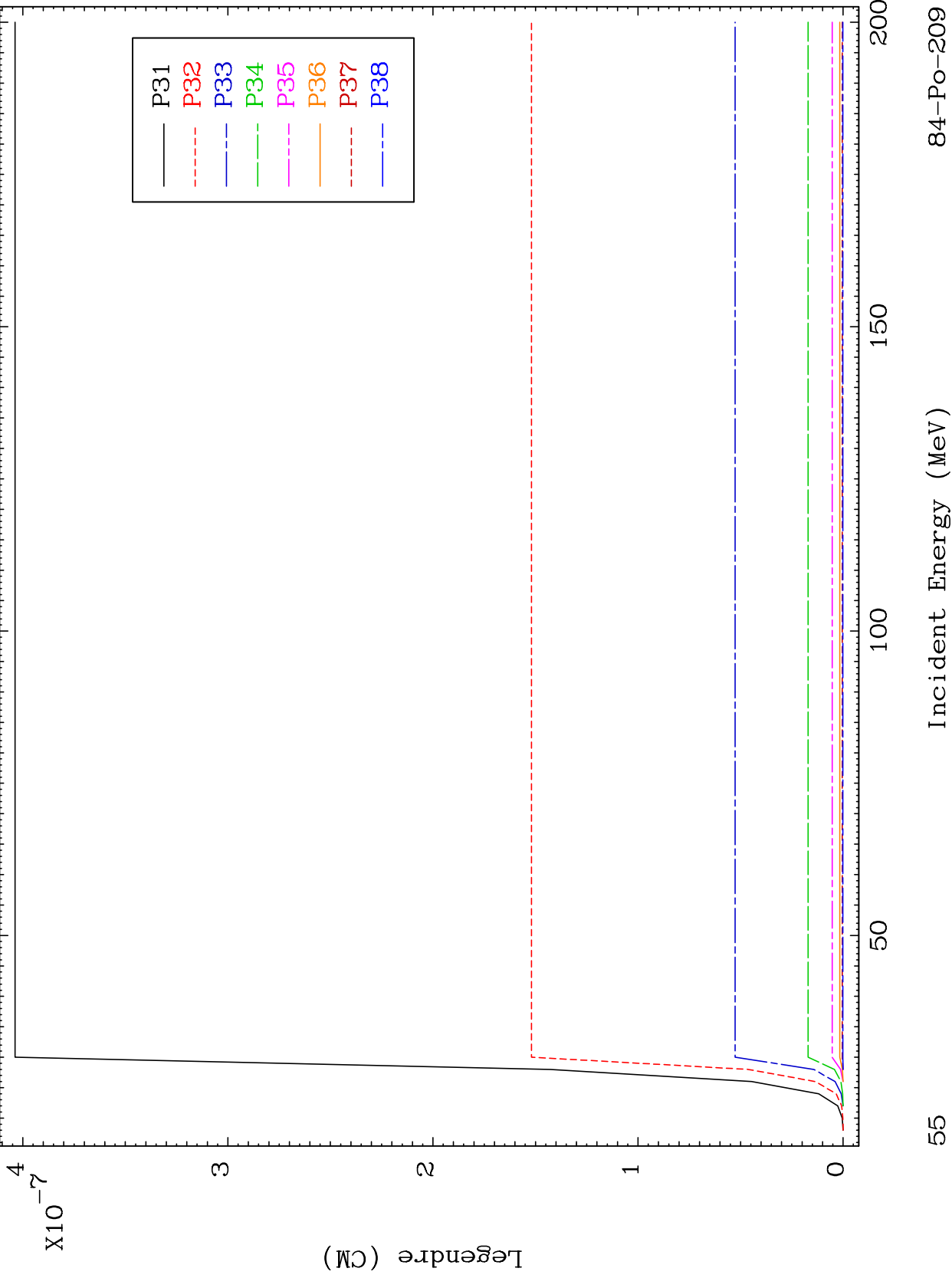
84-Po-209



MAT 8434

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

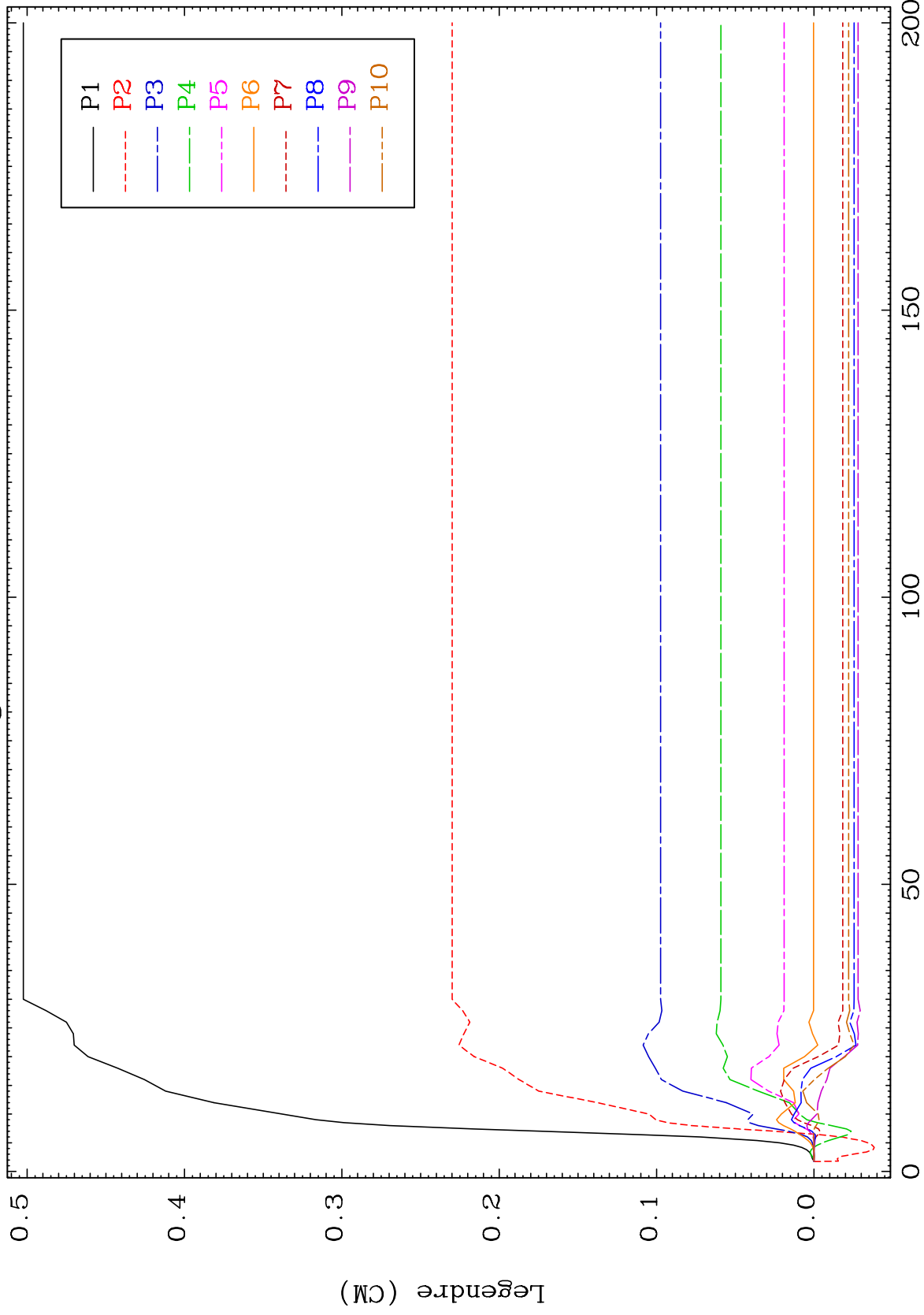
84-Po-209



MAT 8434

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

84-Po-209



84-Po-209

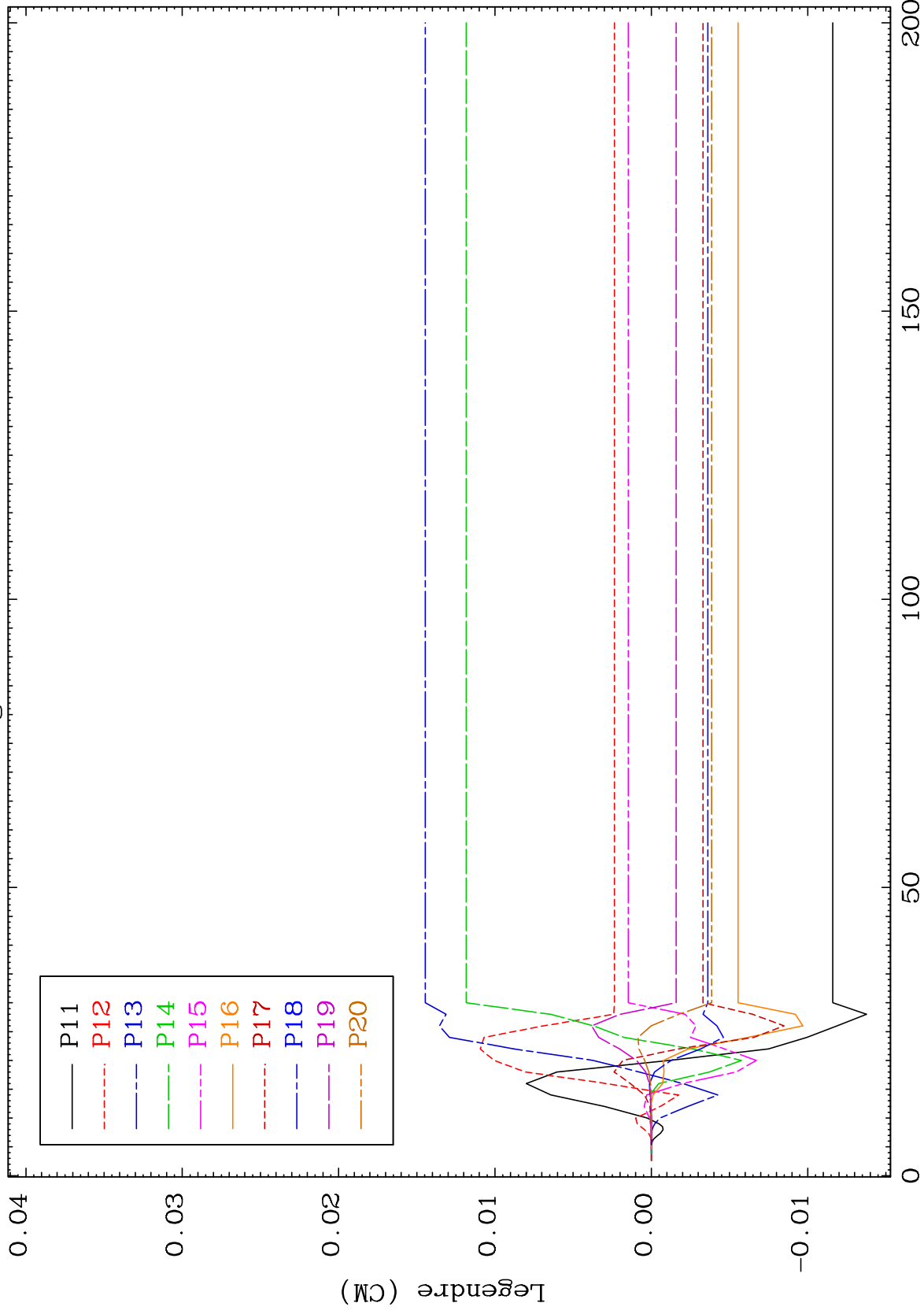
Incident Energy (MeV)

56

MAT 8434

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

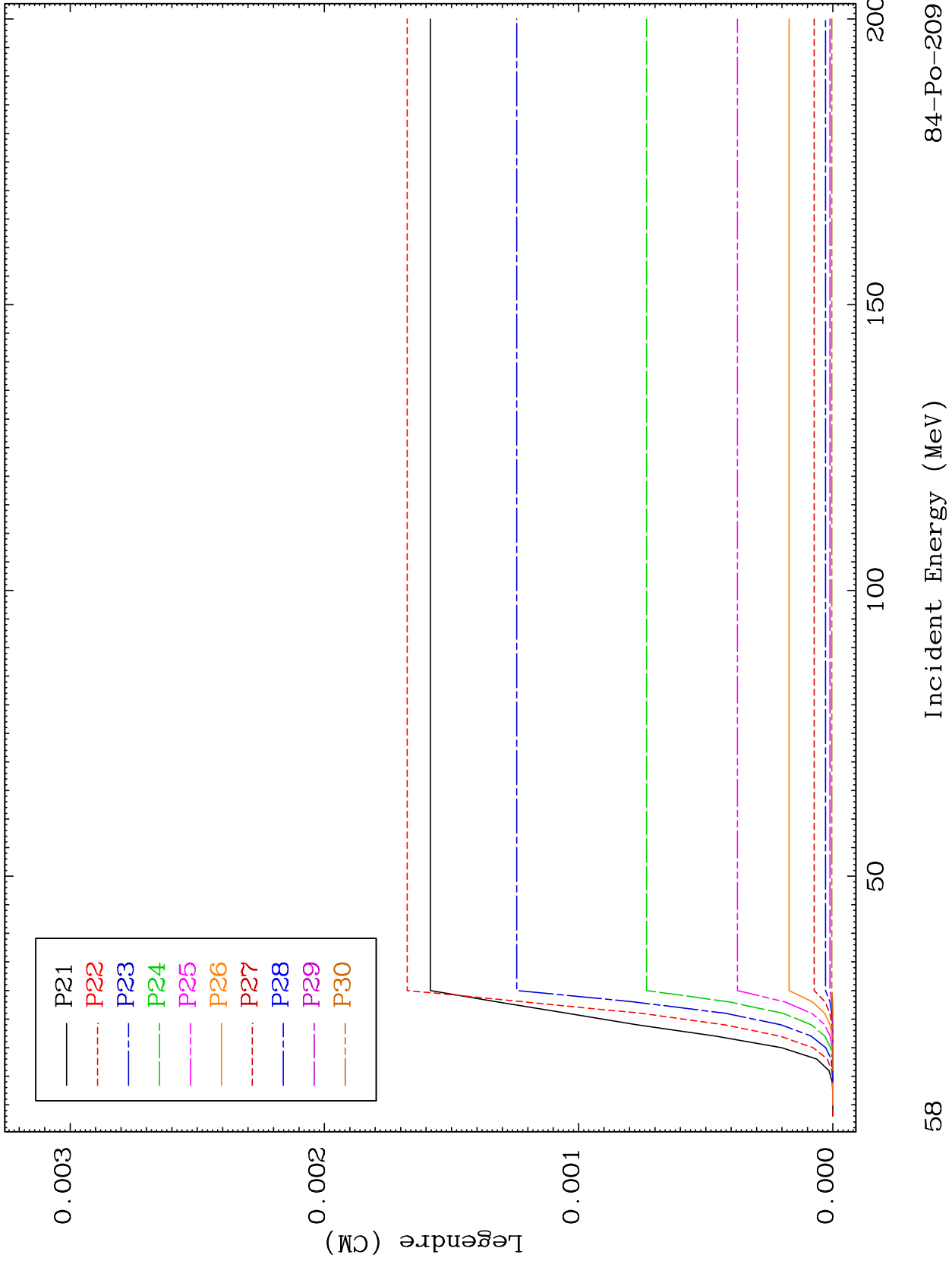
84-Po-209



MAT 8434

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

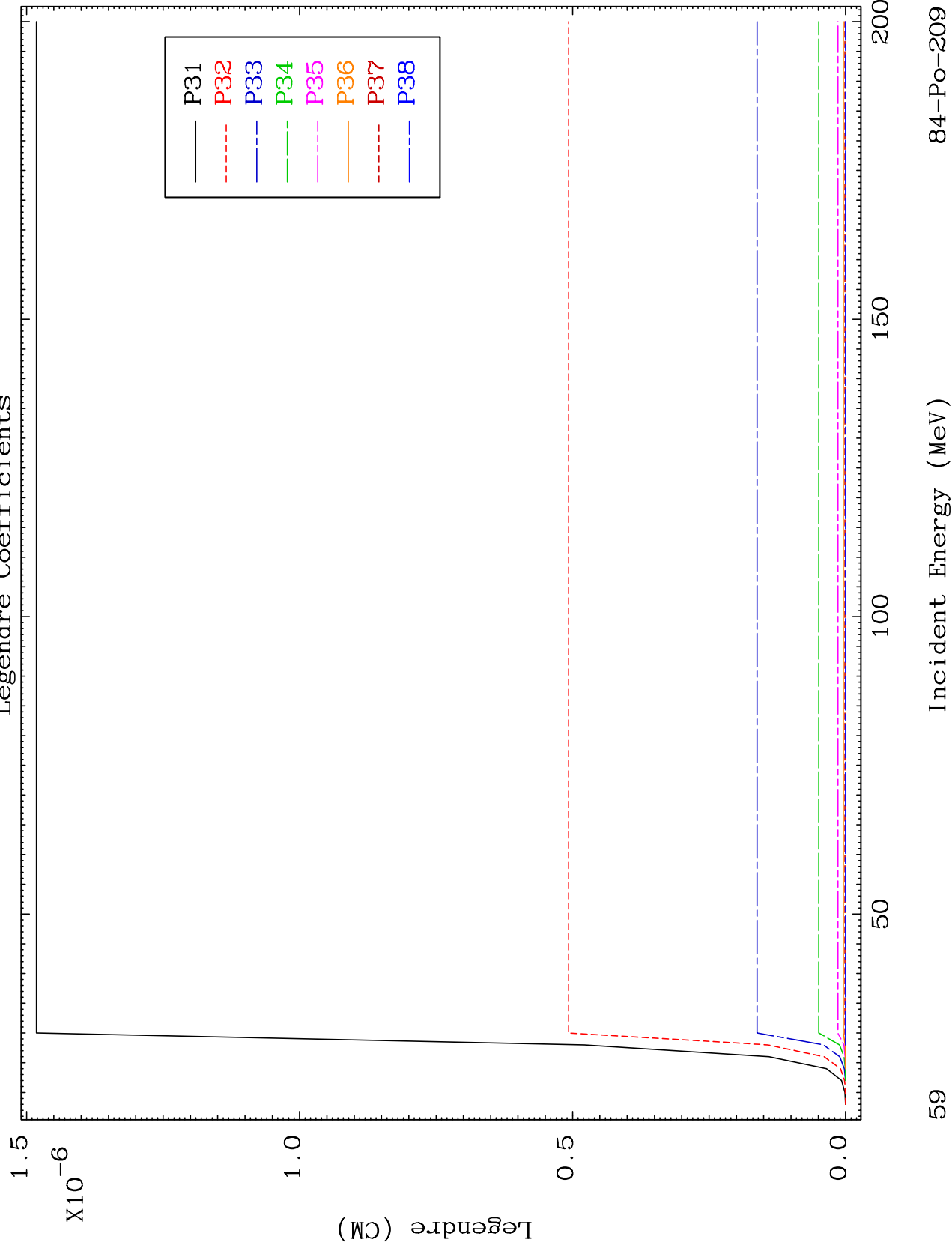
84-Po-209



58

Incident Energy (MeV)

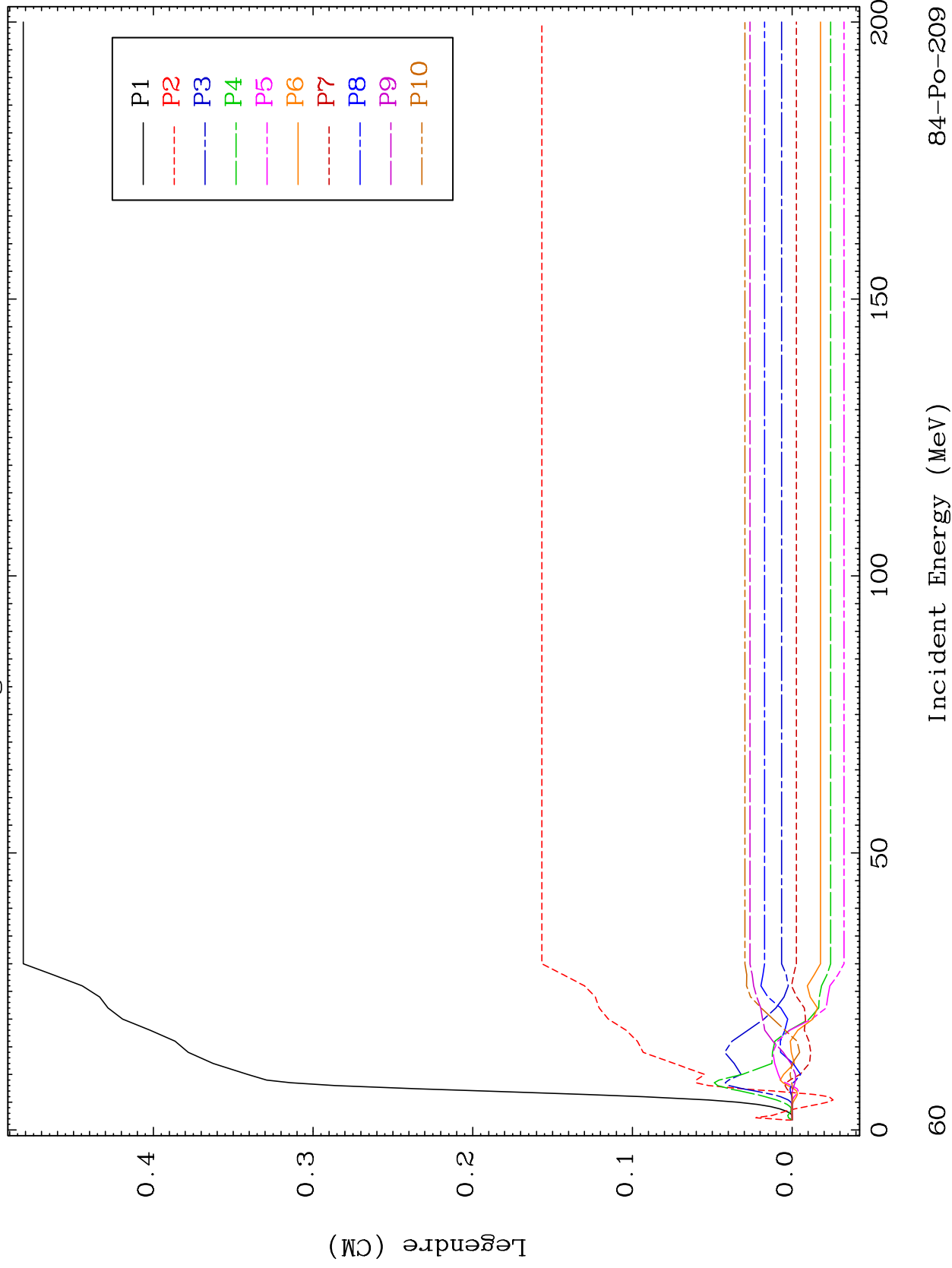
84-Po-209



MAT 8434

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

84-Po-209



84-Po-209

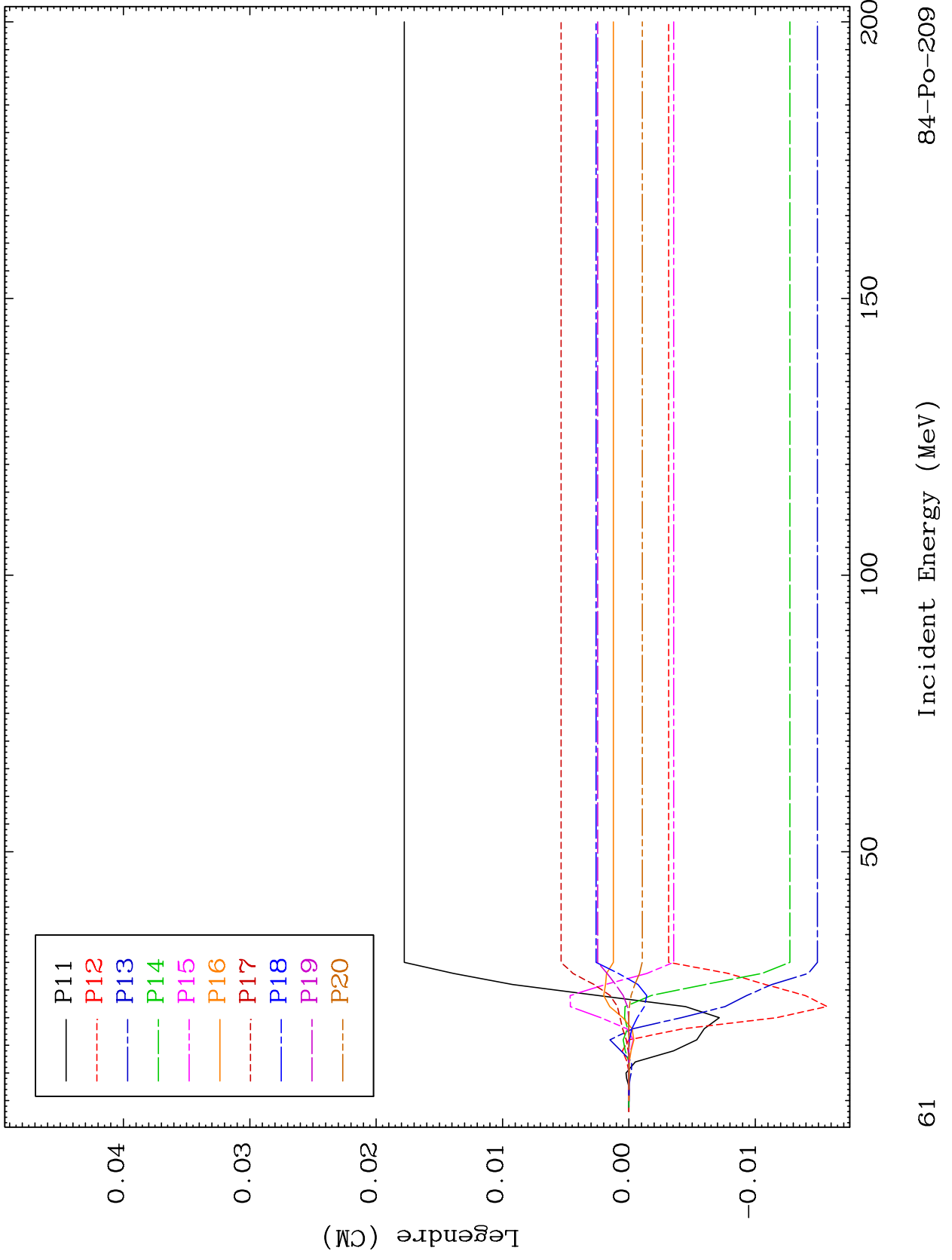
Incident Energy (MeV)

60

MAT 8434

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

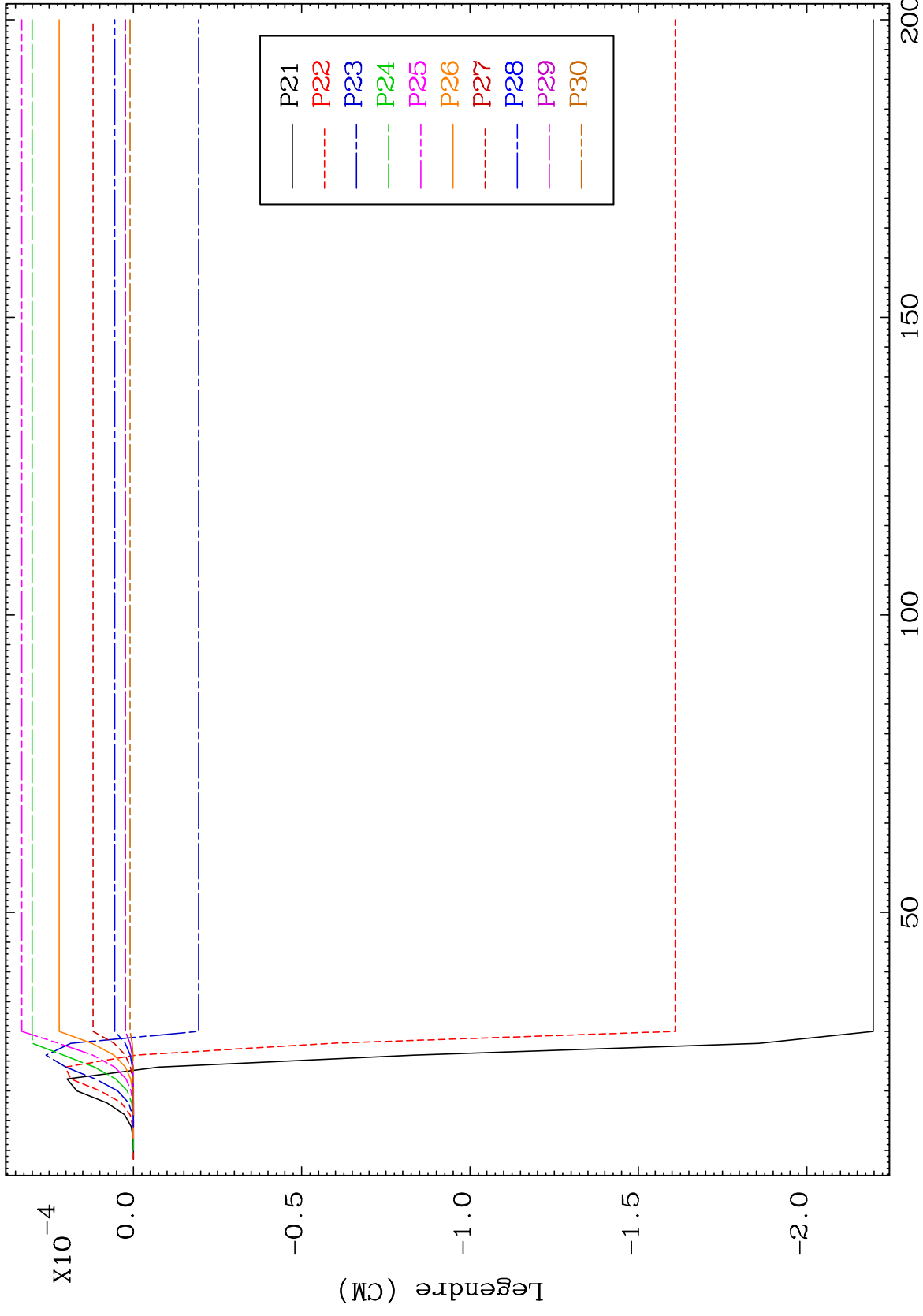
84-Po-209



MAT 8434

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

84-Po-209



62

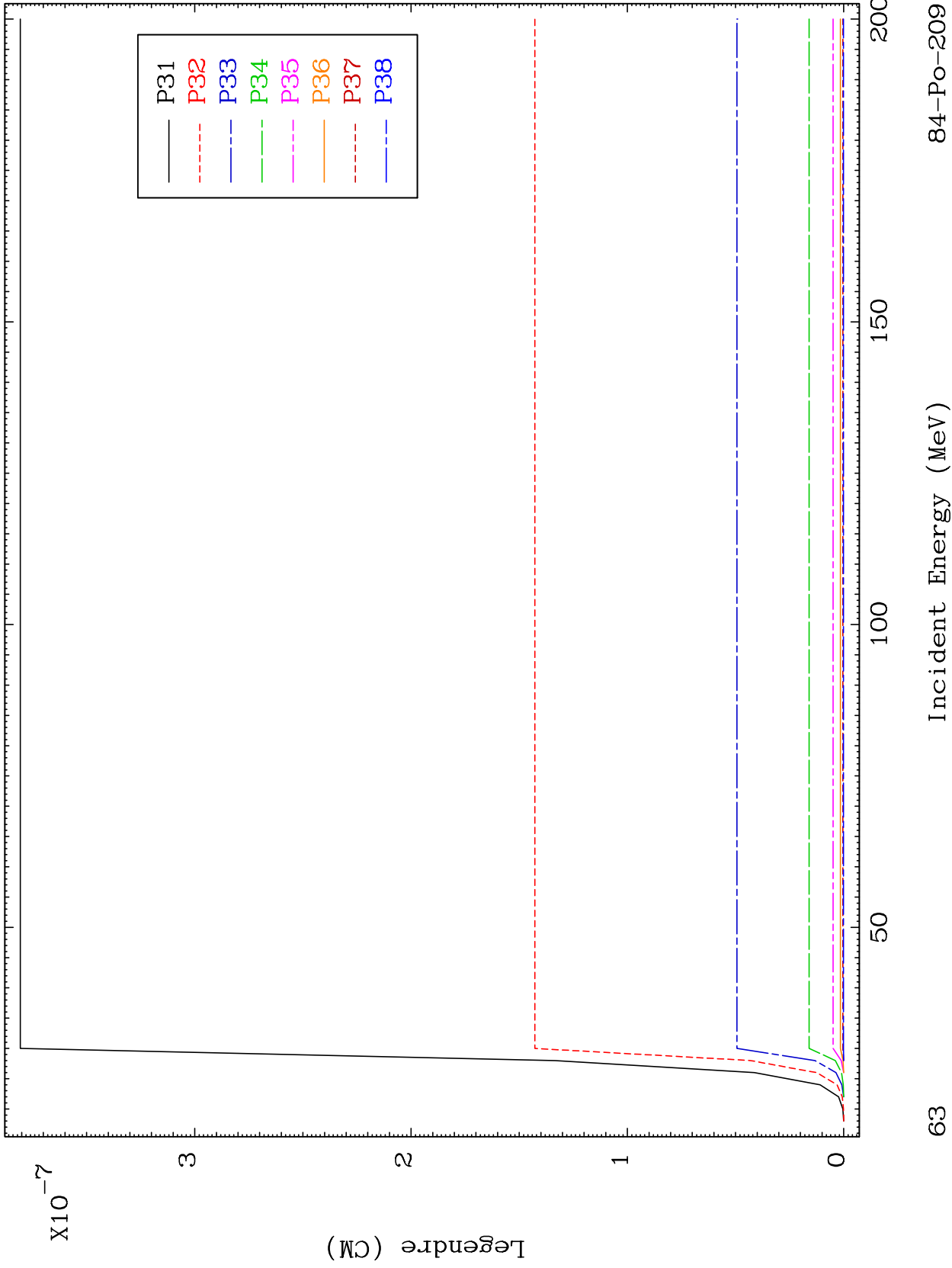
Incident Energy (MeV)

84-Po-209

MAT 8434

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

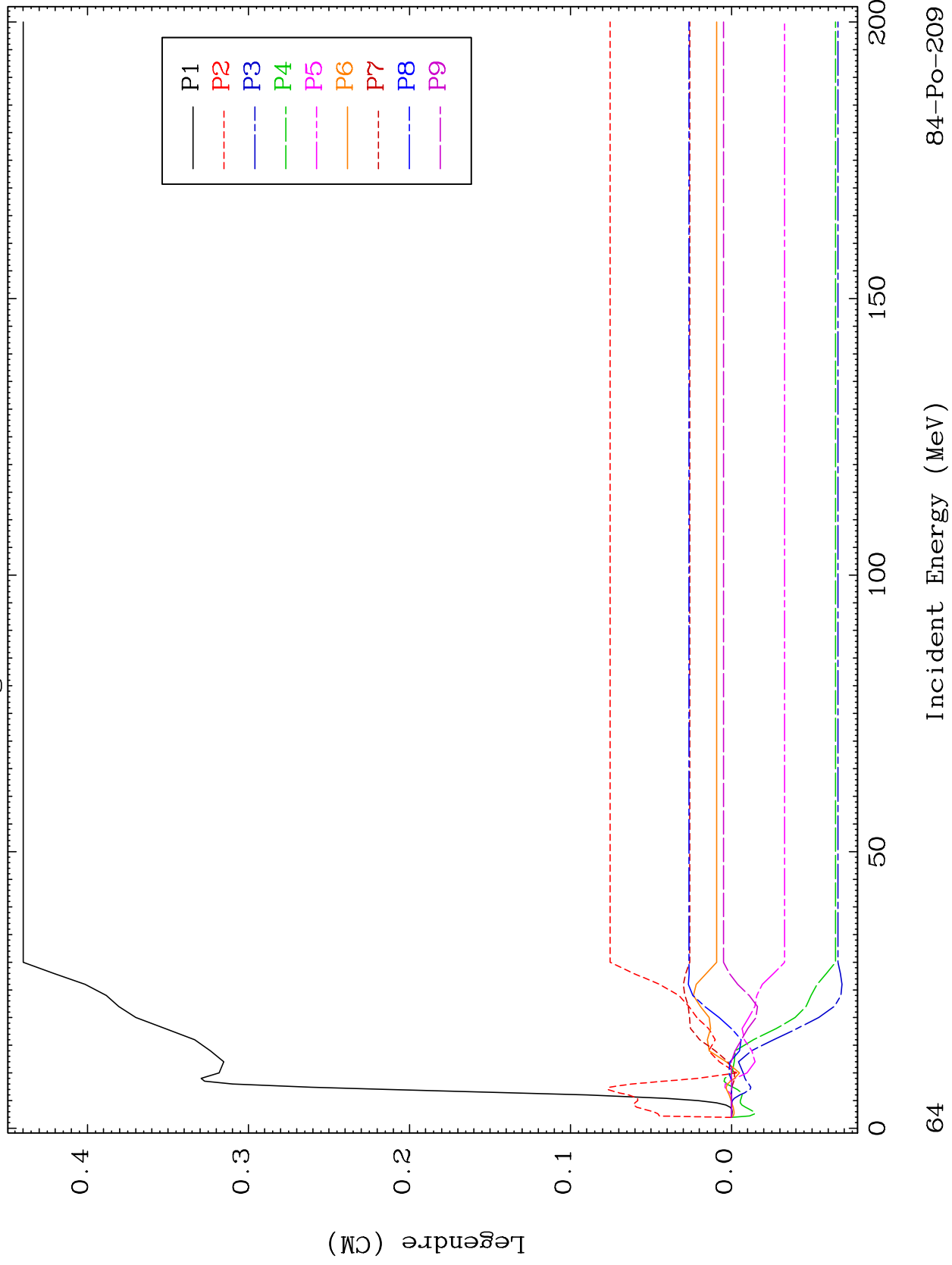
84-Po-209



MAT 8434

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

84-Po-209



64

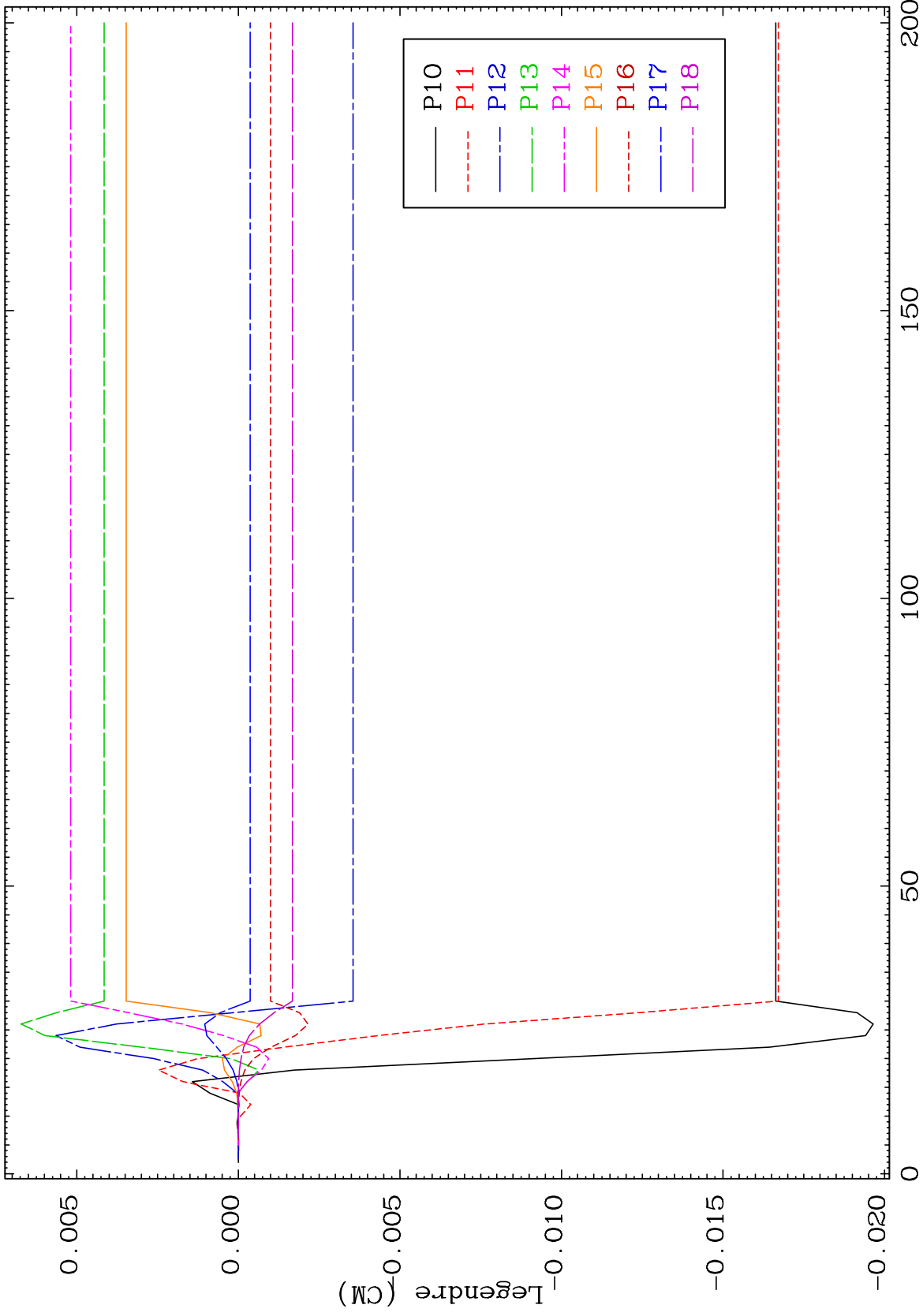
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



65

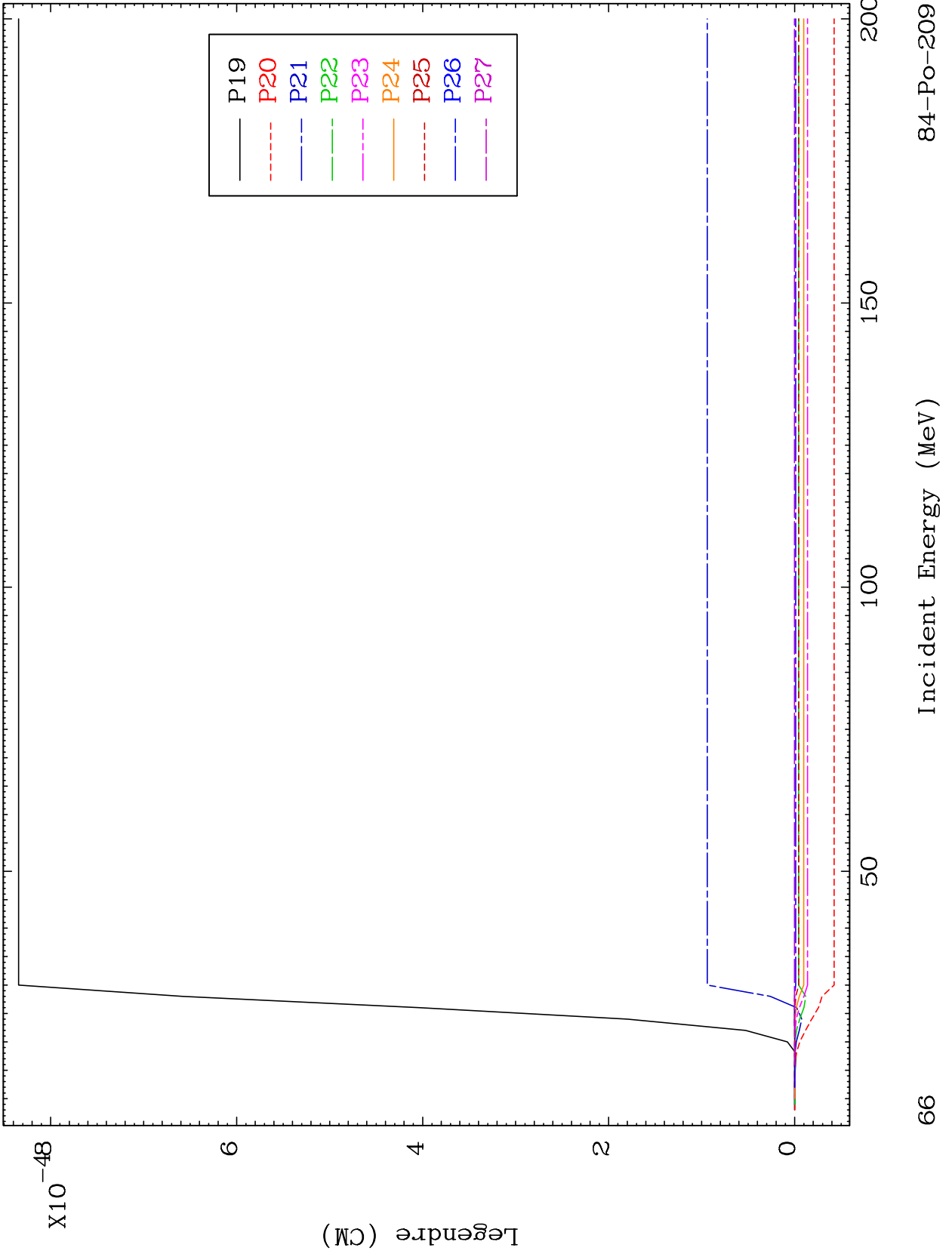
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



66

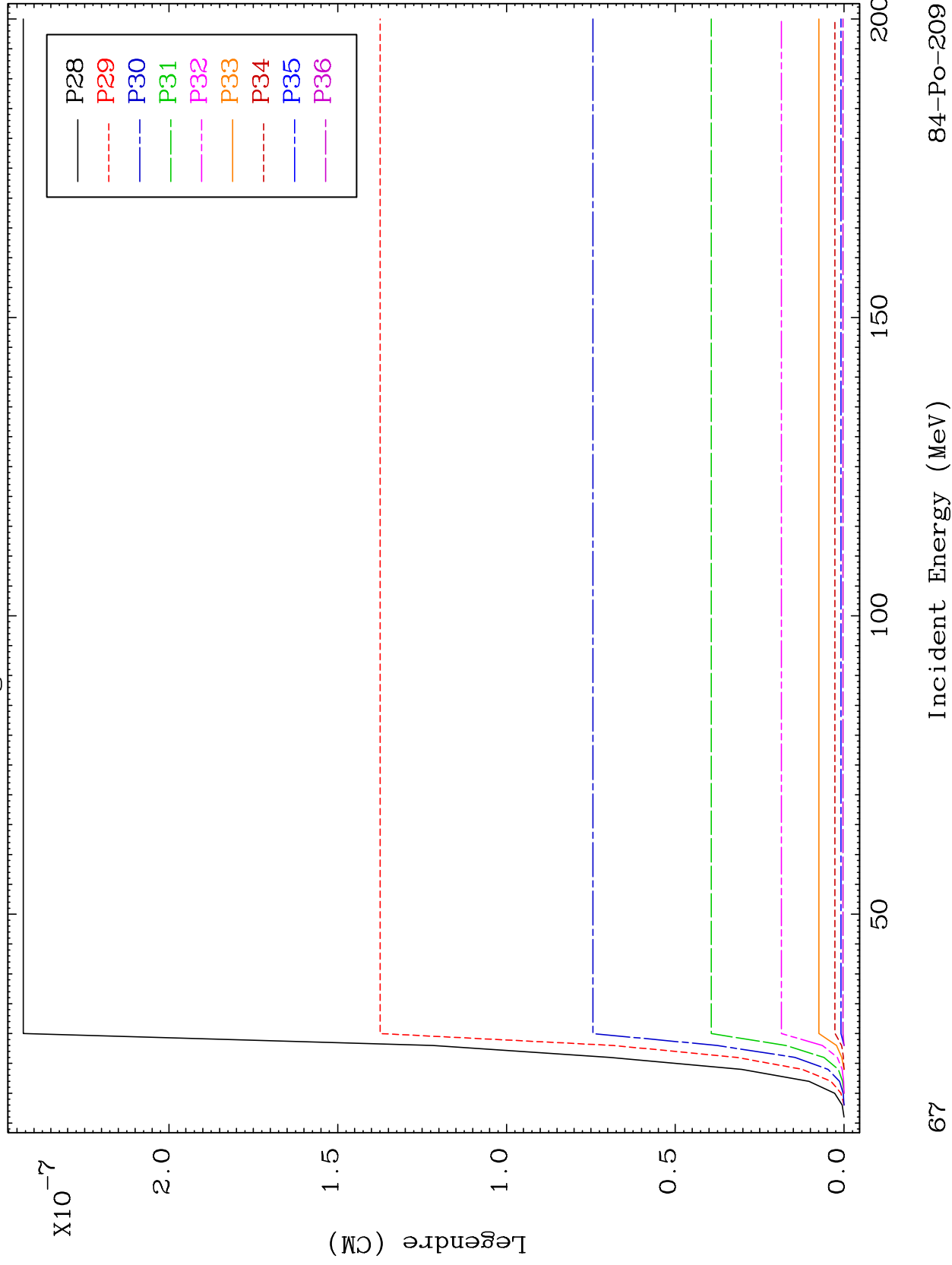
Incident Energy (MeV)

84-Po-209

MAT 8434

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

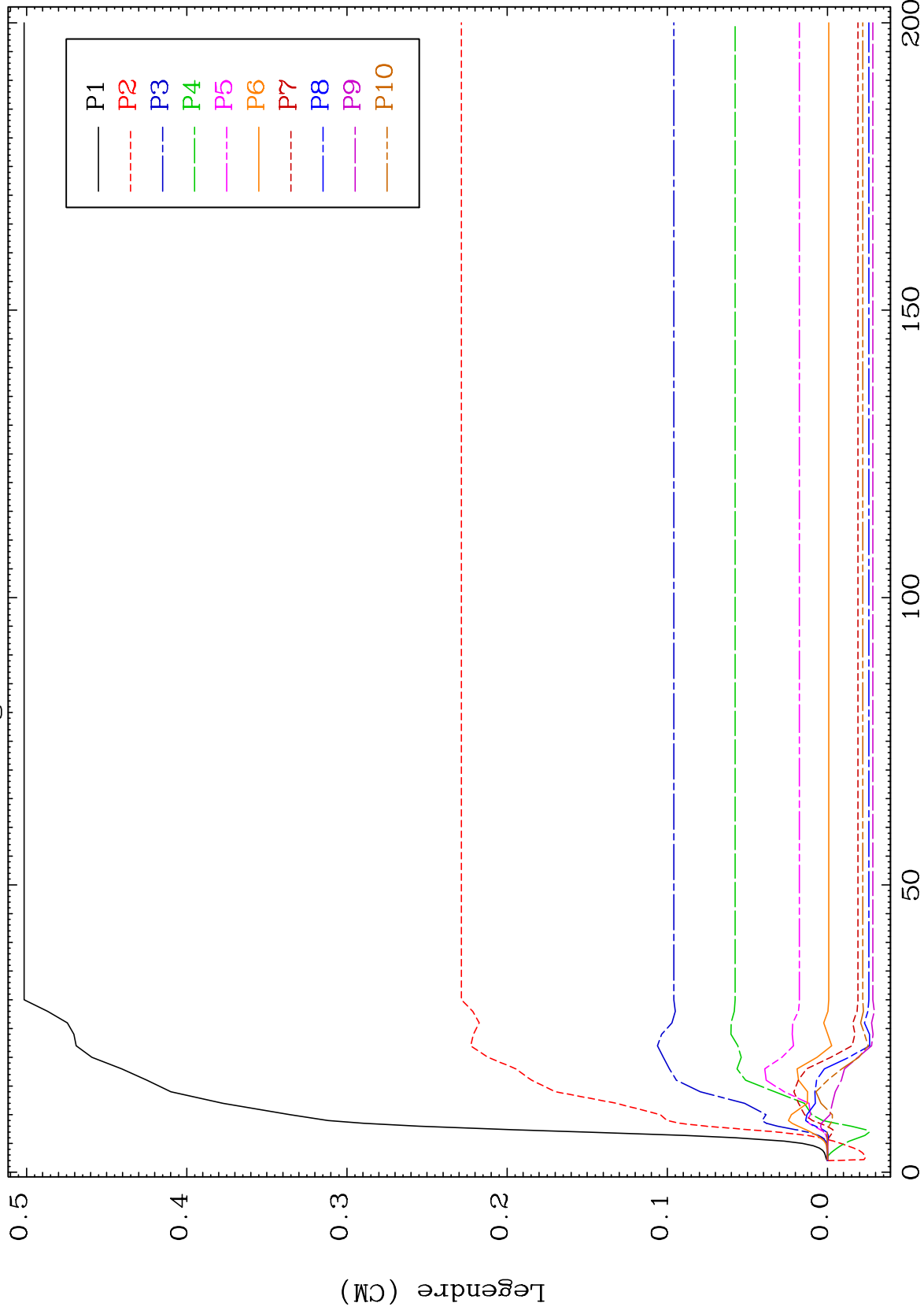
84-Po-209



MAT 8434

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

84-Po-209



68

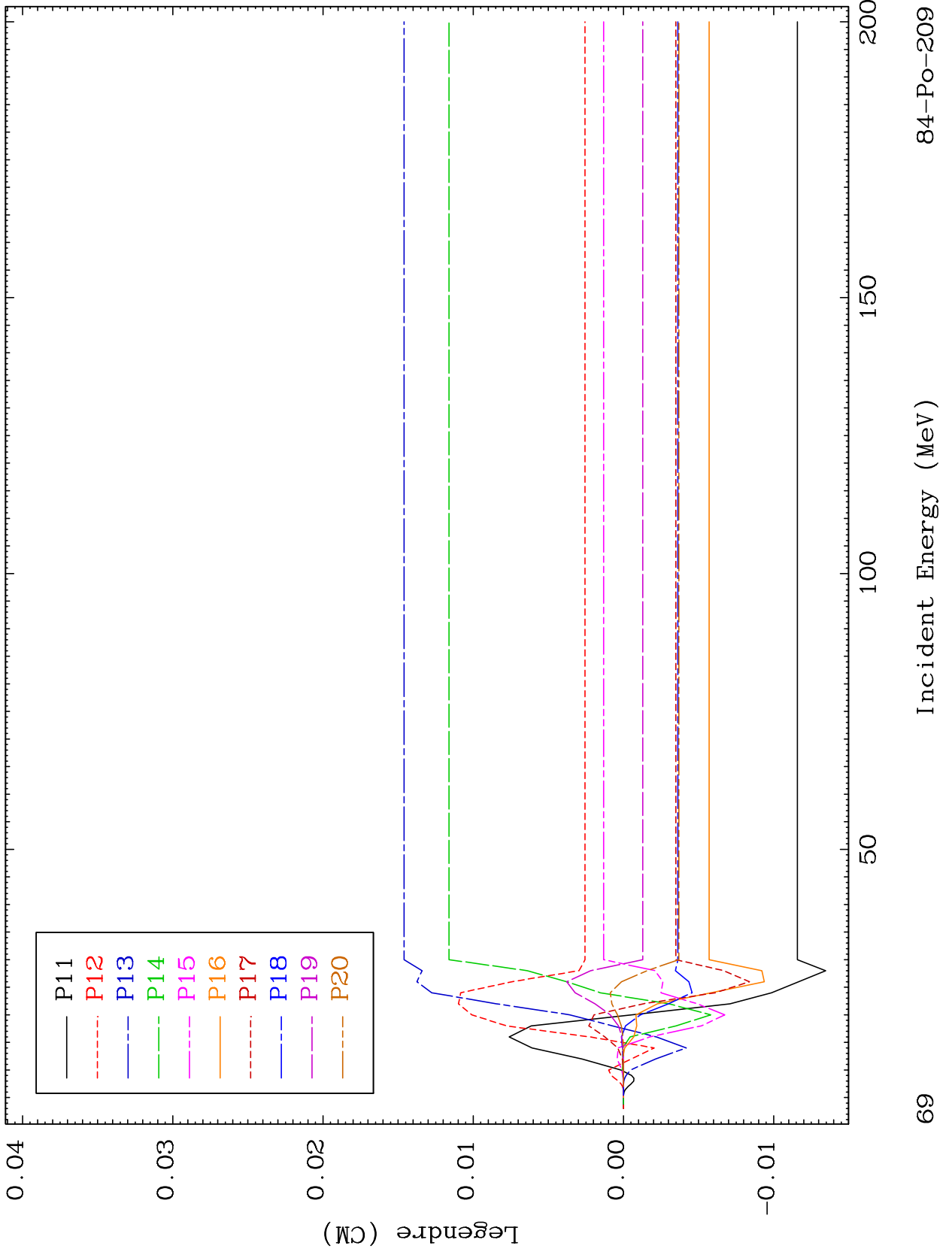
Incident Energy (MeV)

84-Po-209

MAT 8434

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

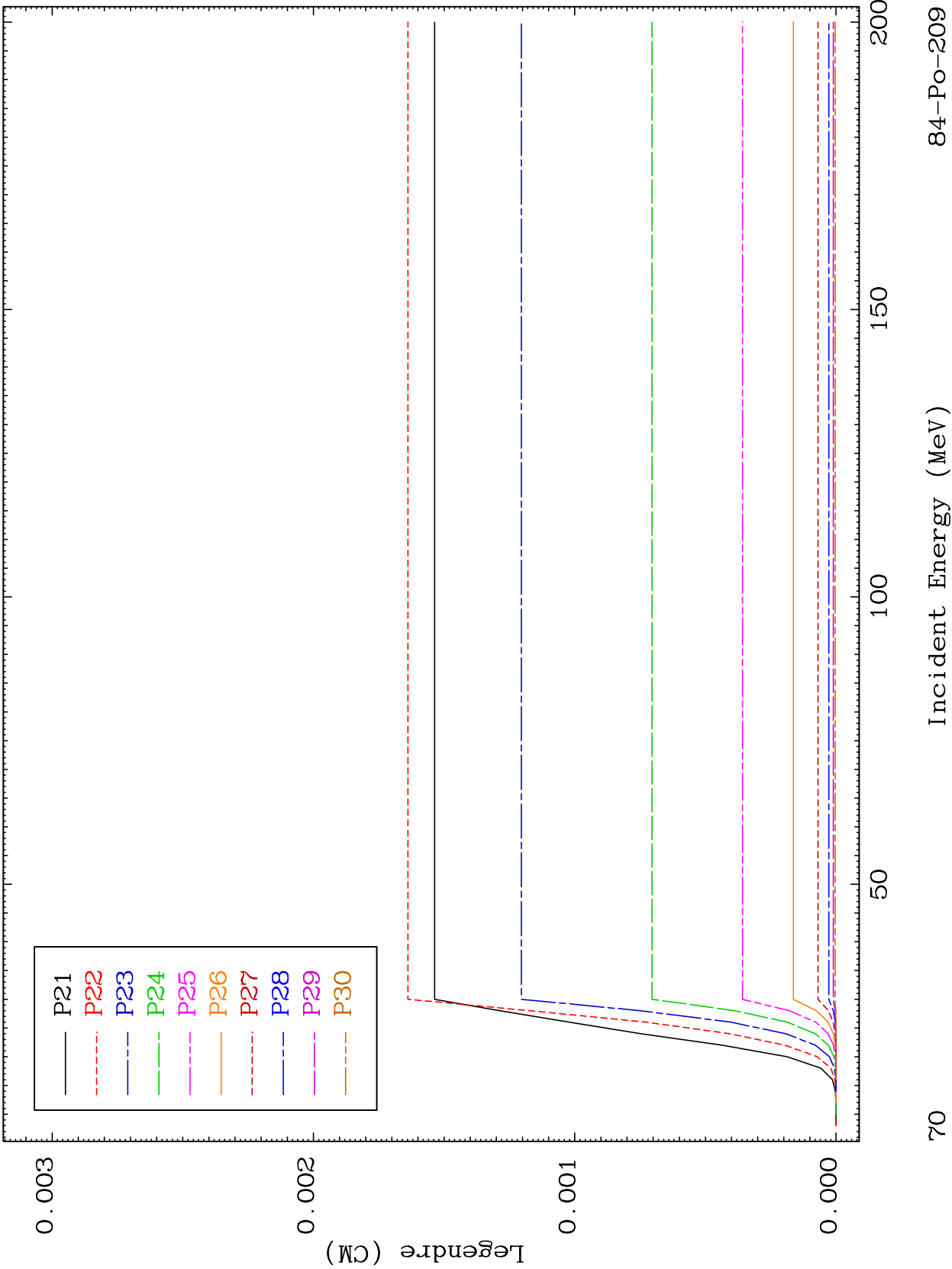
84-Po-209



MAT 8434

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

84-Po-209



70

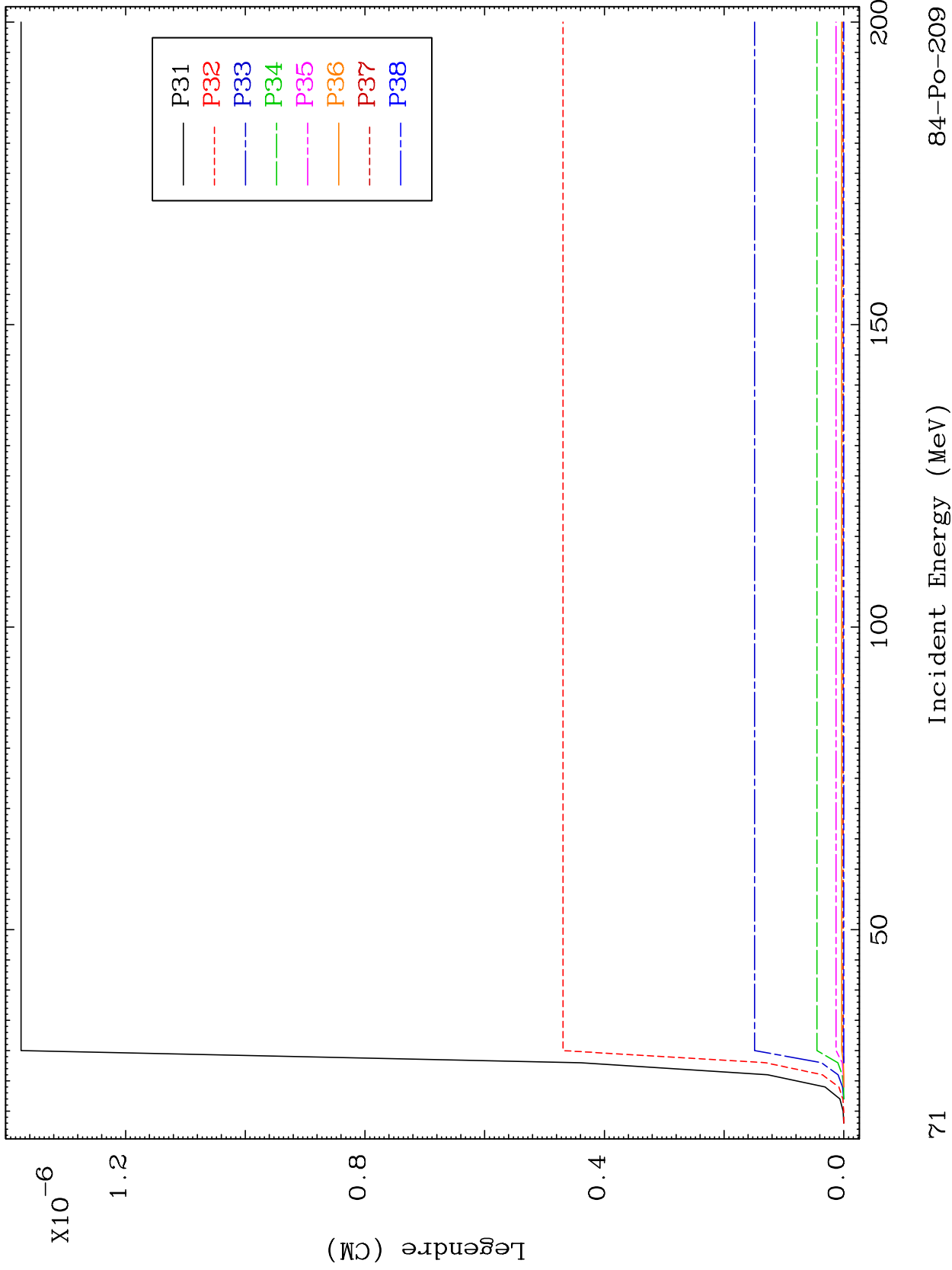
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



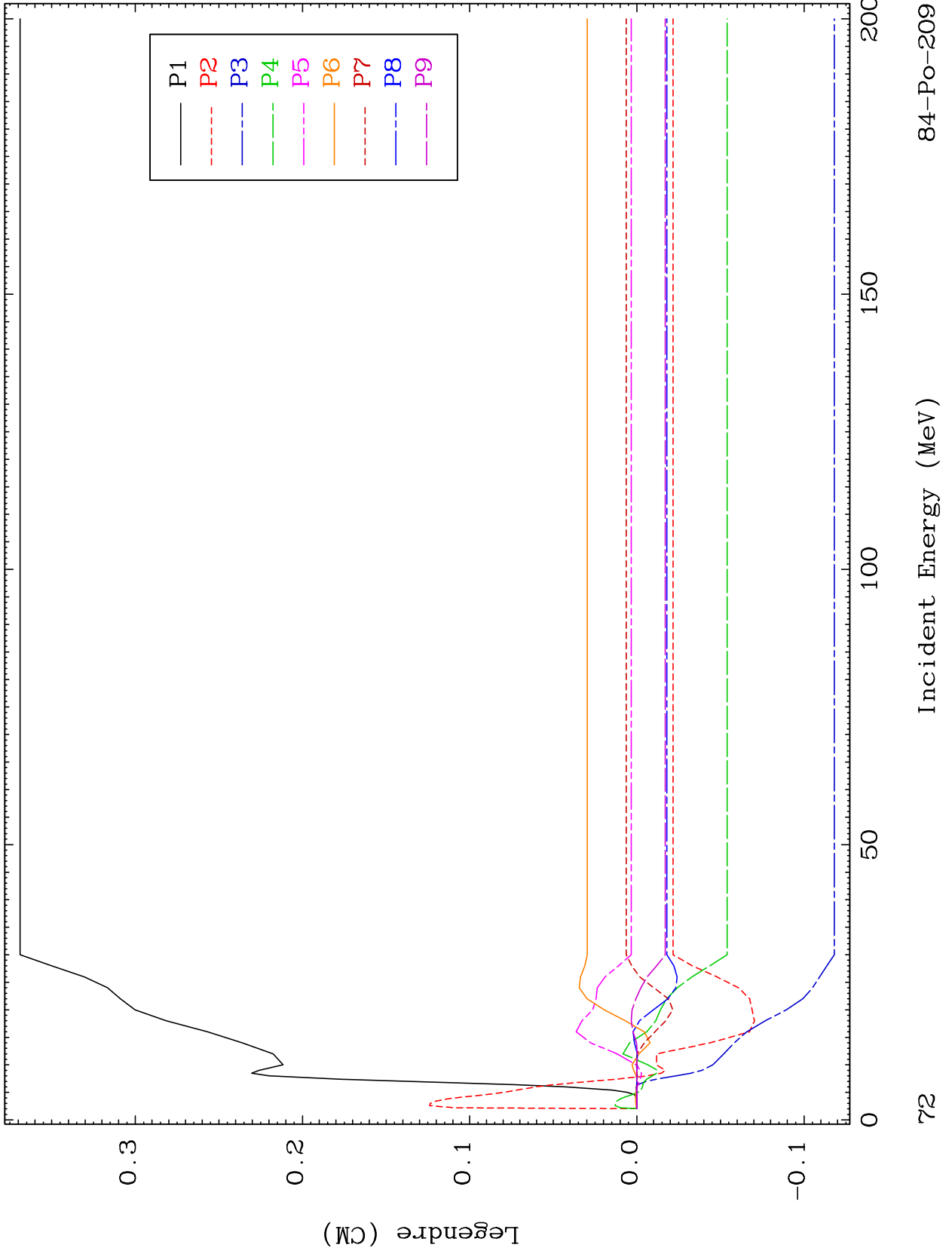
71

84-Po-209

MAT 8434

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

84-Po-209



72

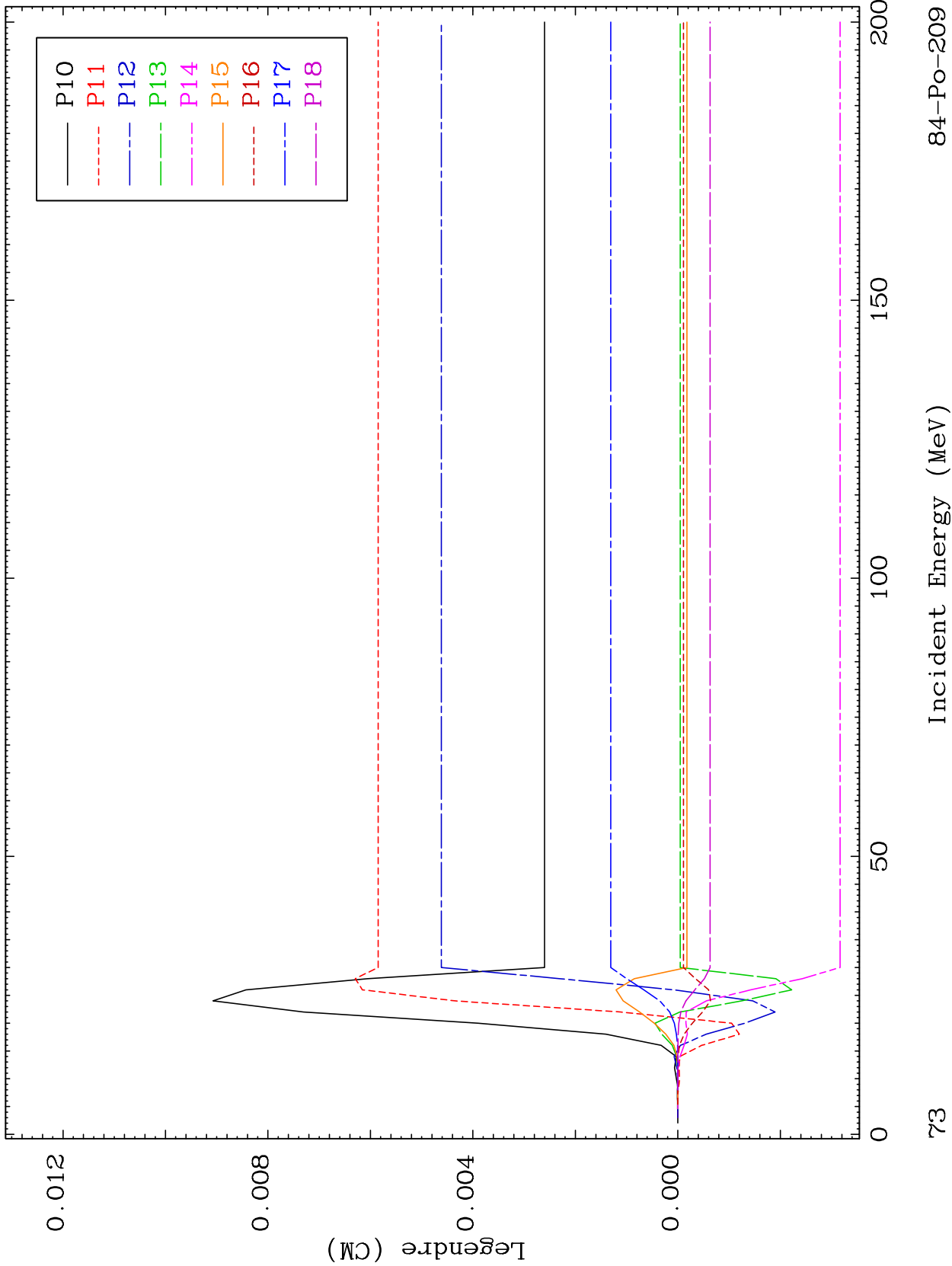
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



73

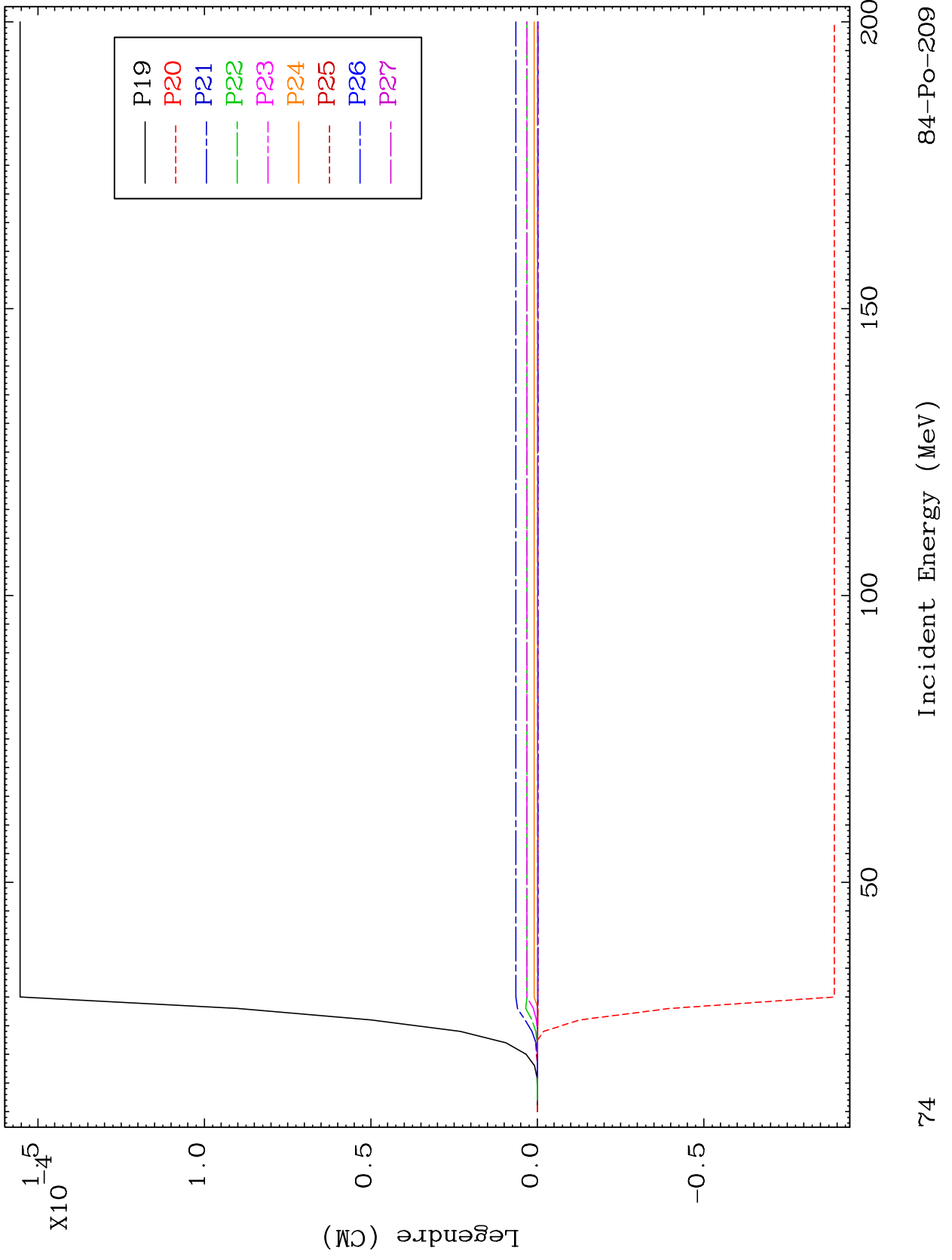
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



74

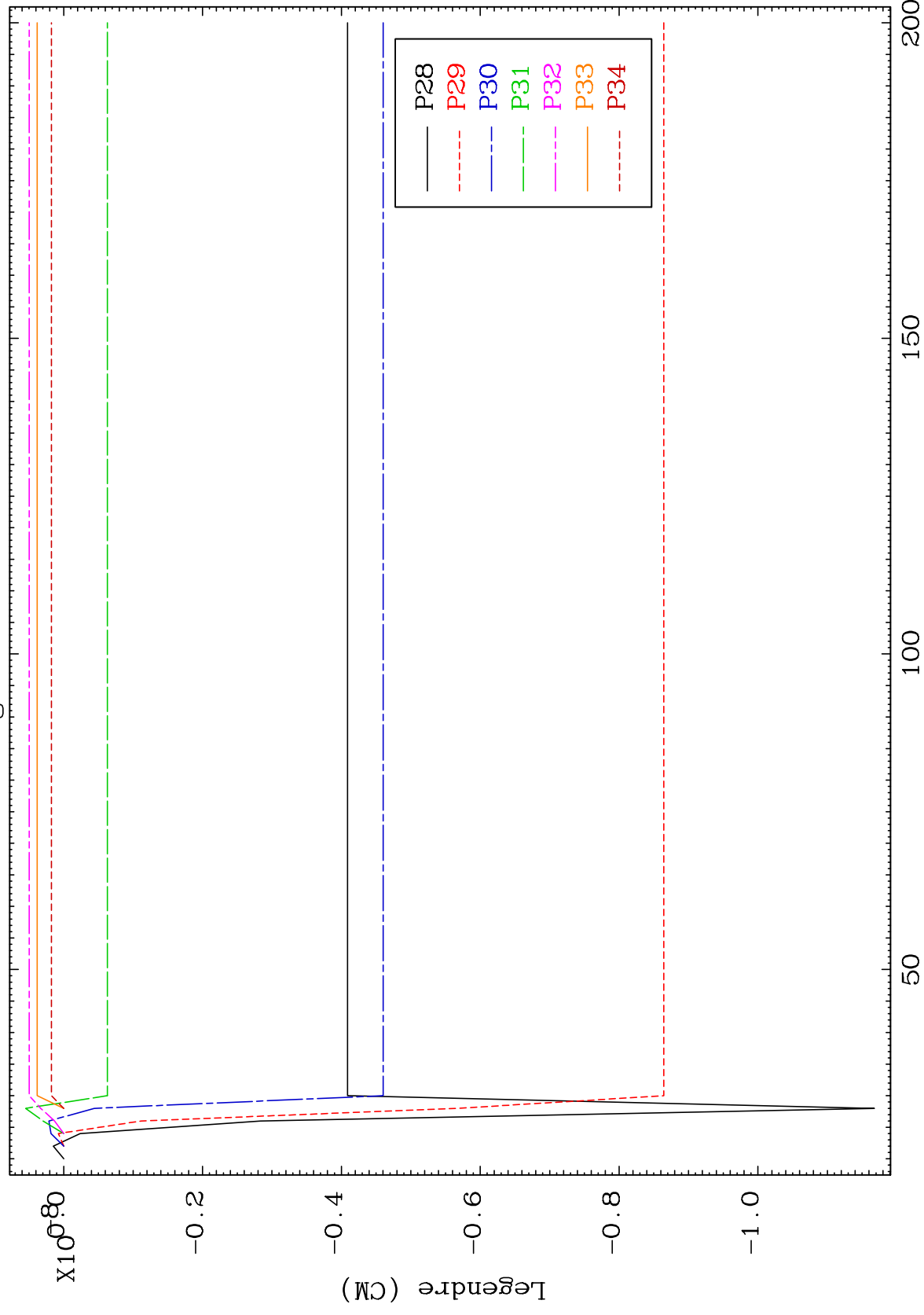
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



75

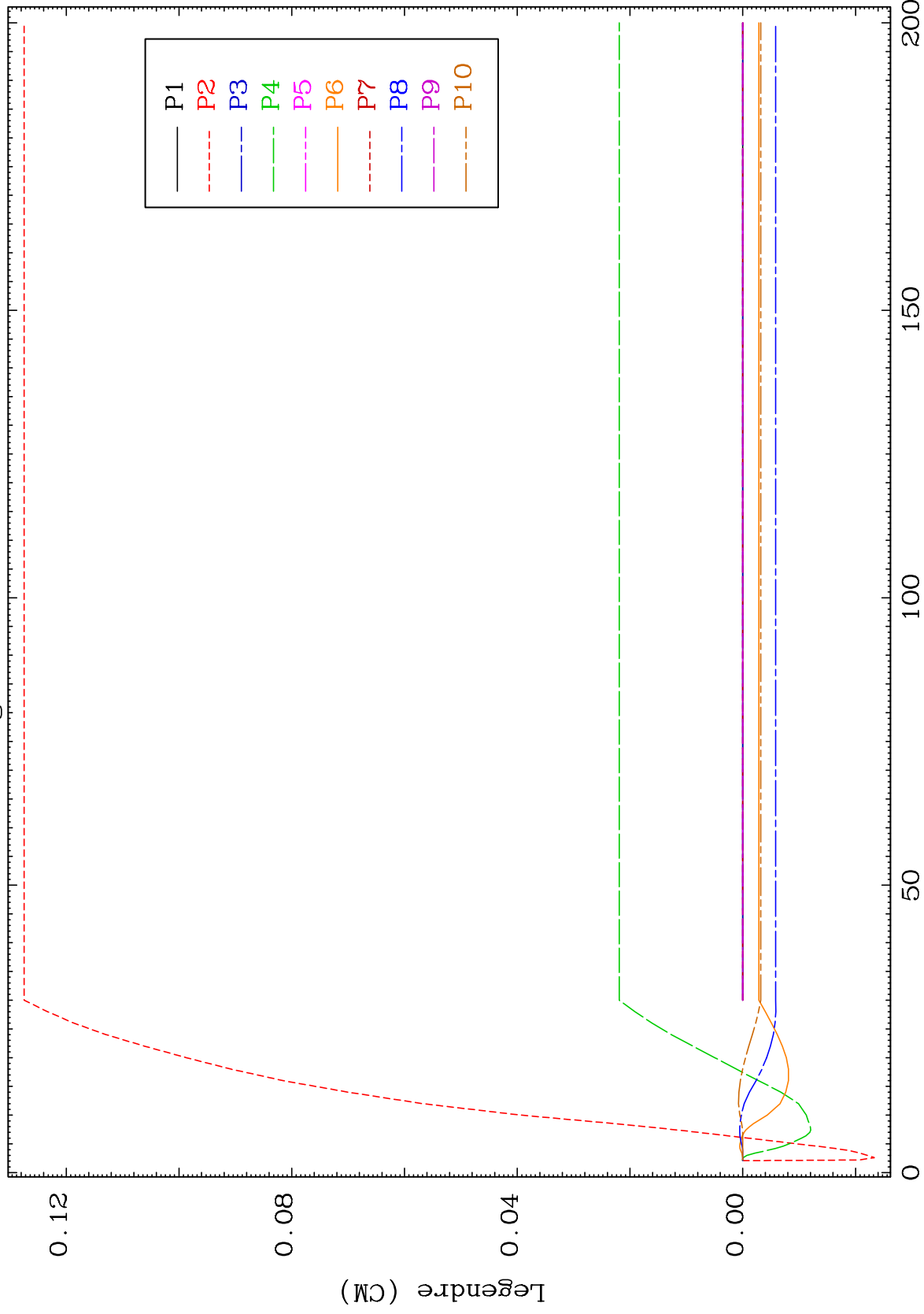
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



76

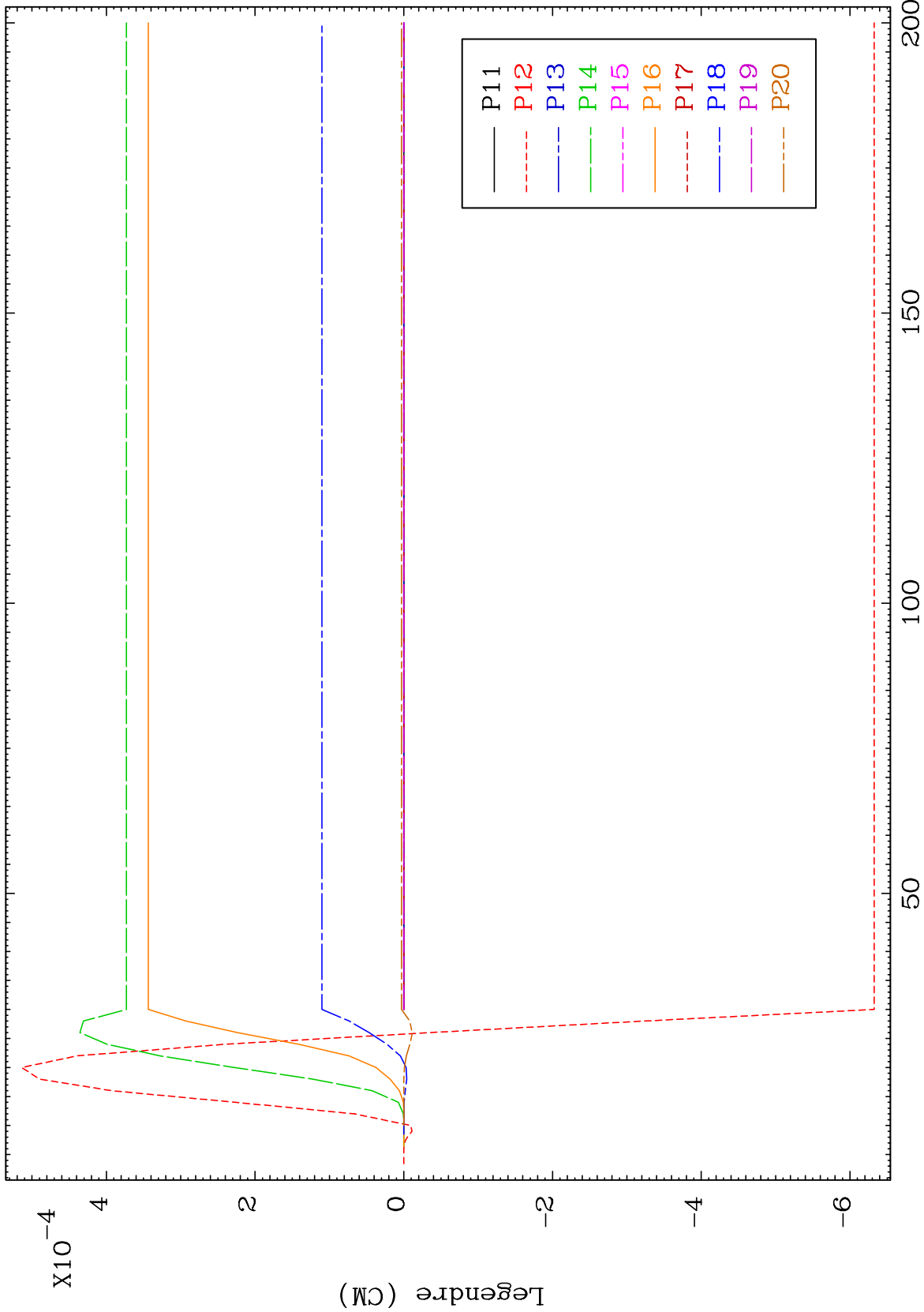
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



77

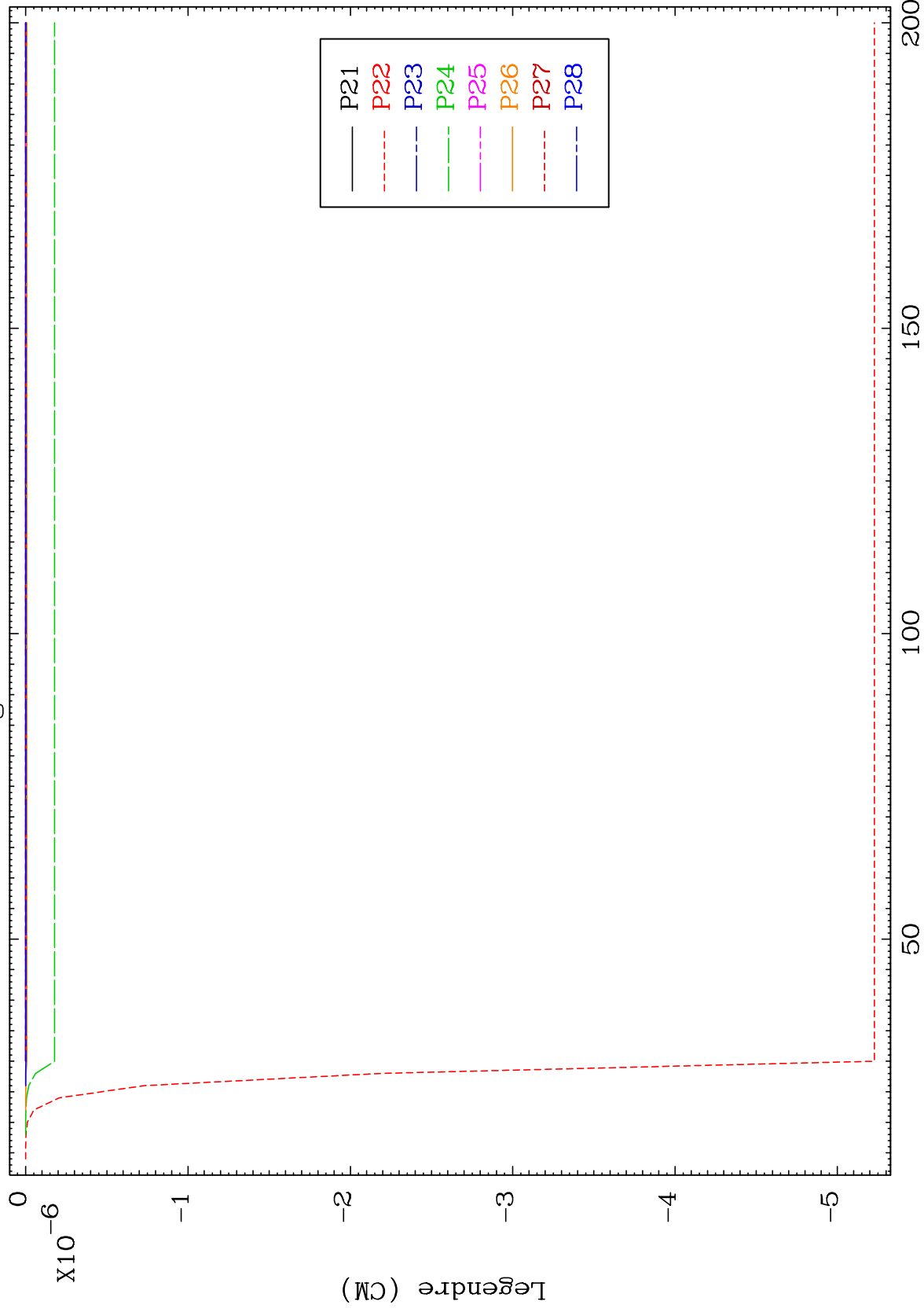
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



78

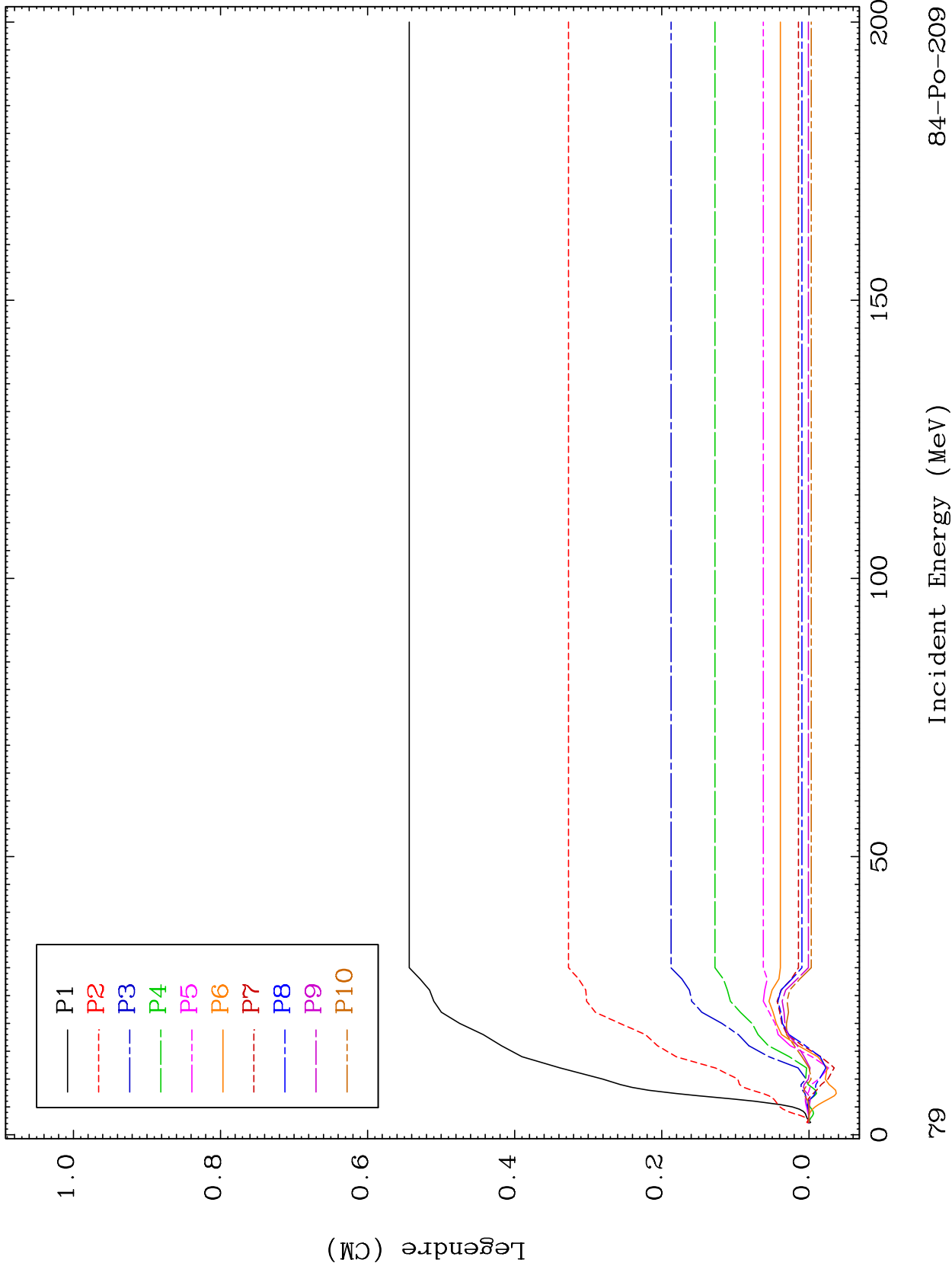
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



79

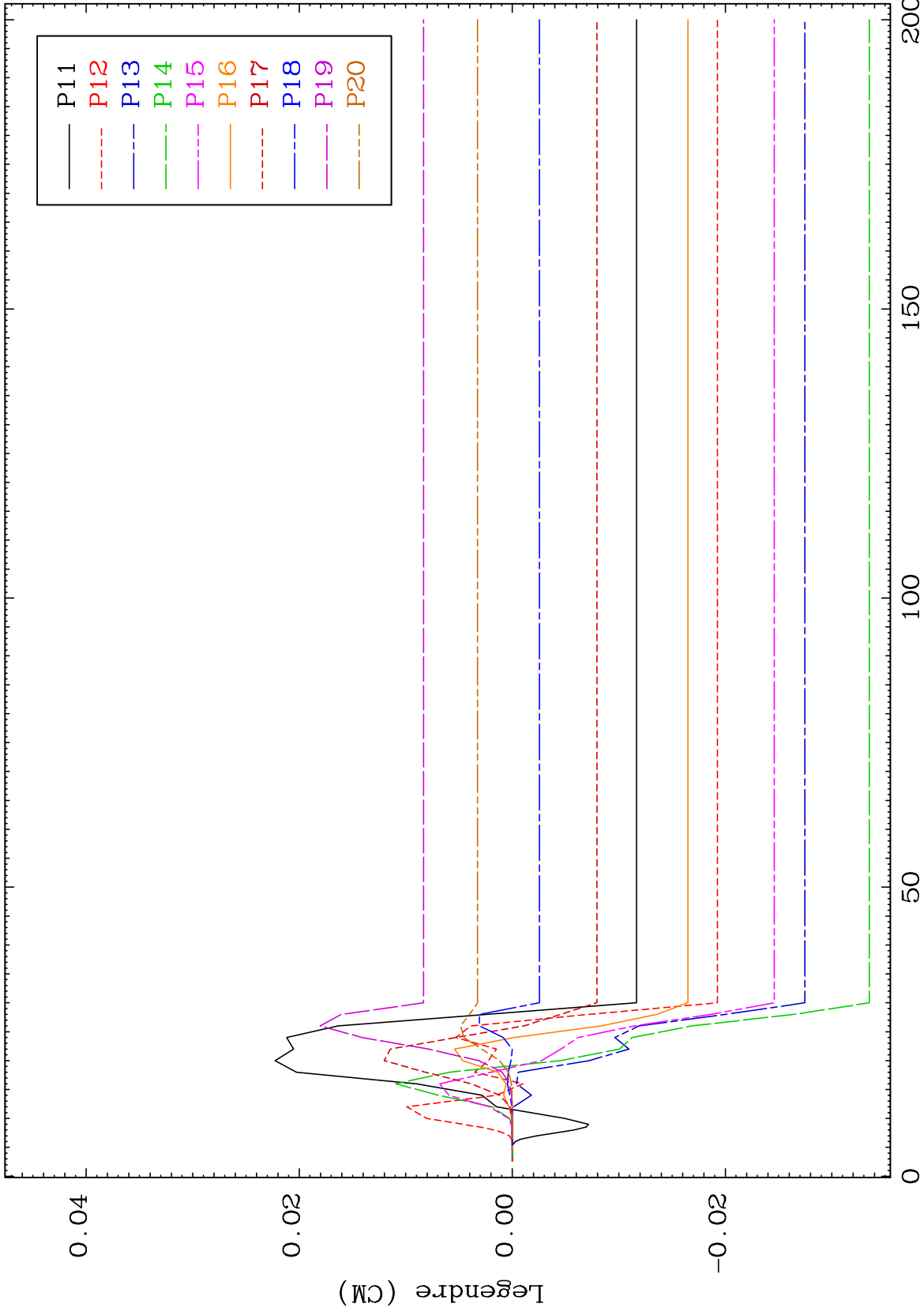
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



84-Po-209

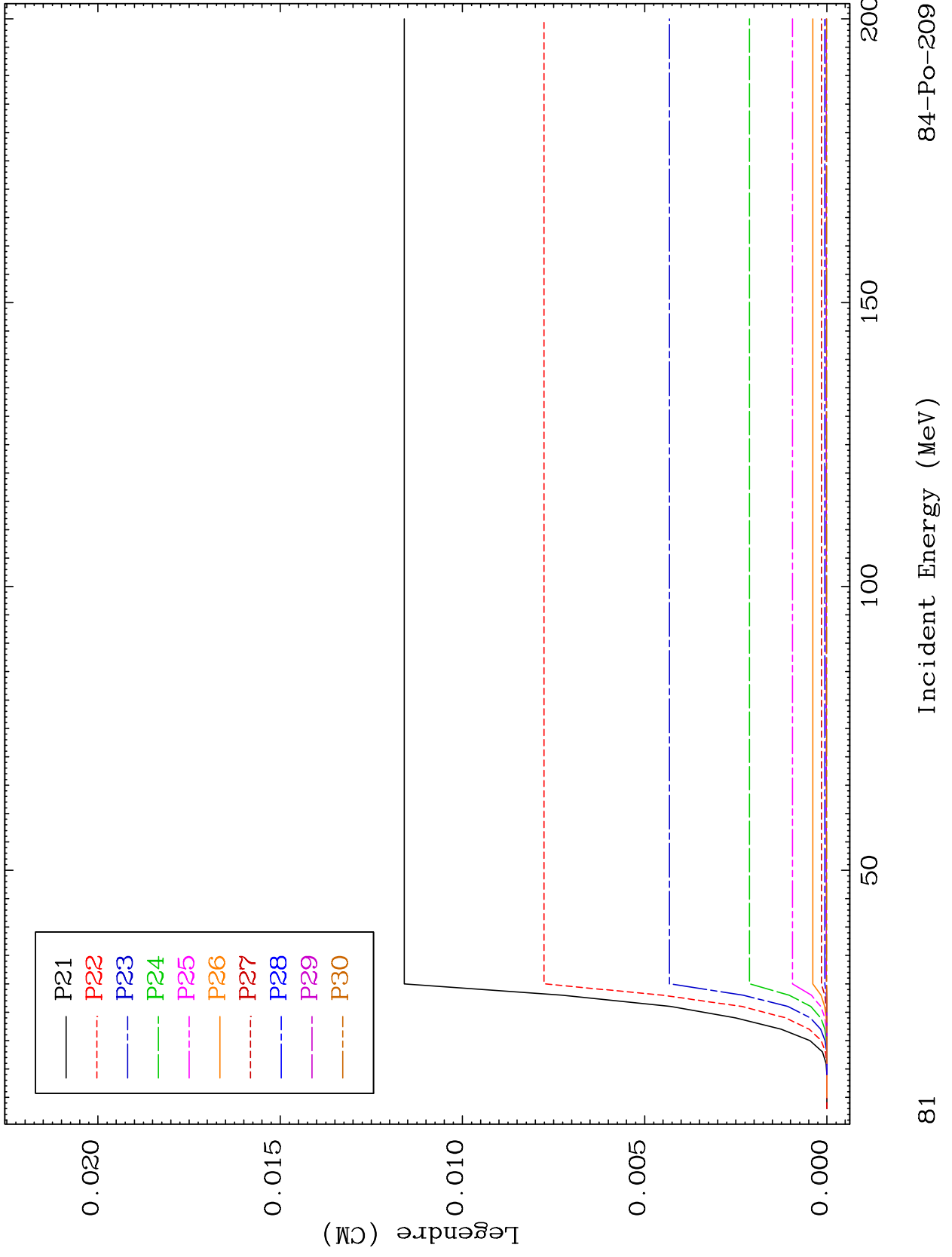
Incident Energy (MeV)

80

MAT 8434

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

84-Po-209



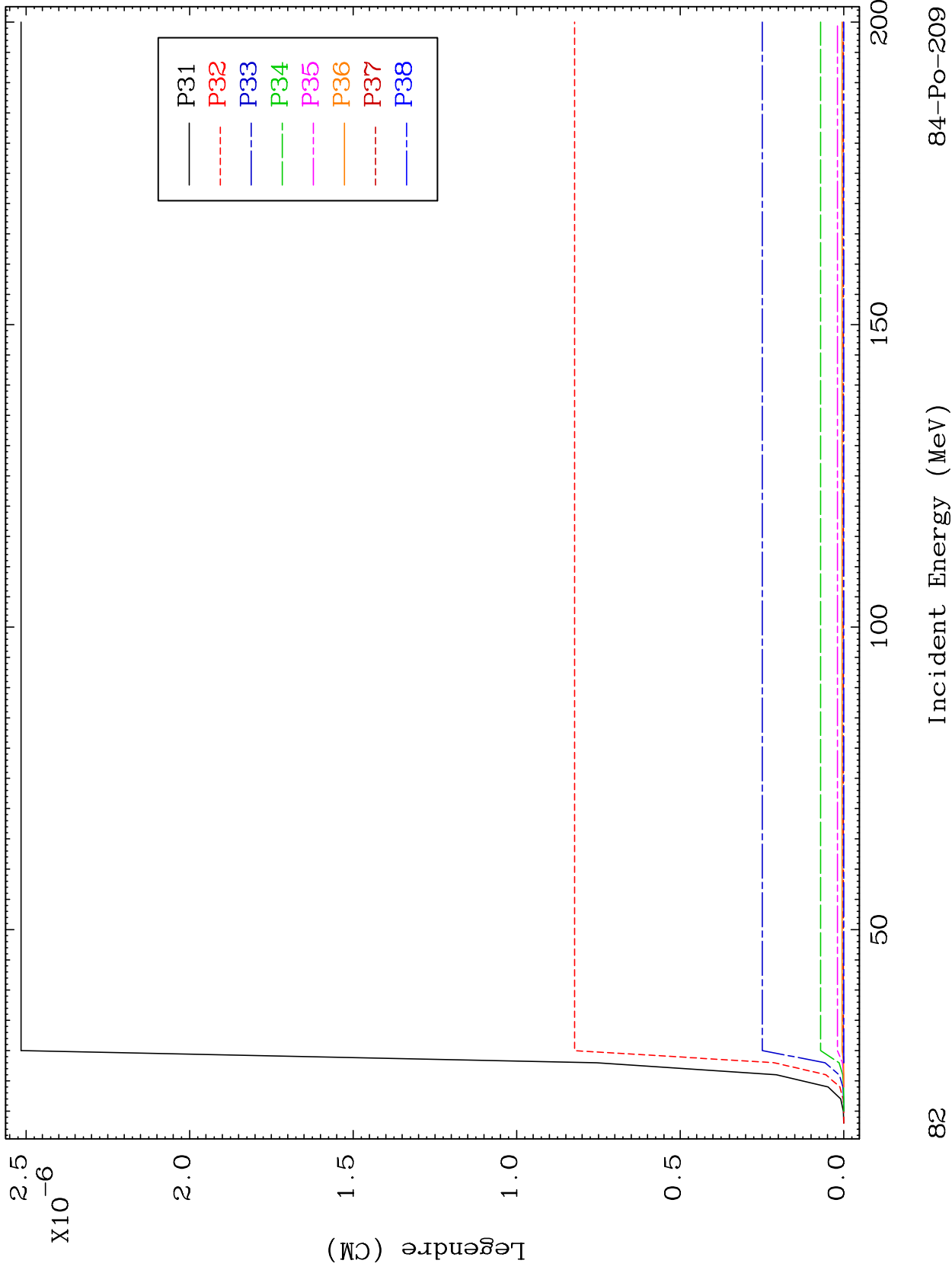
81

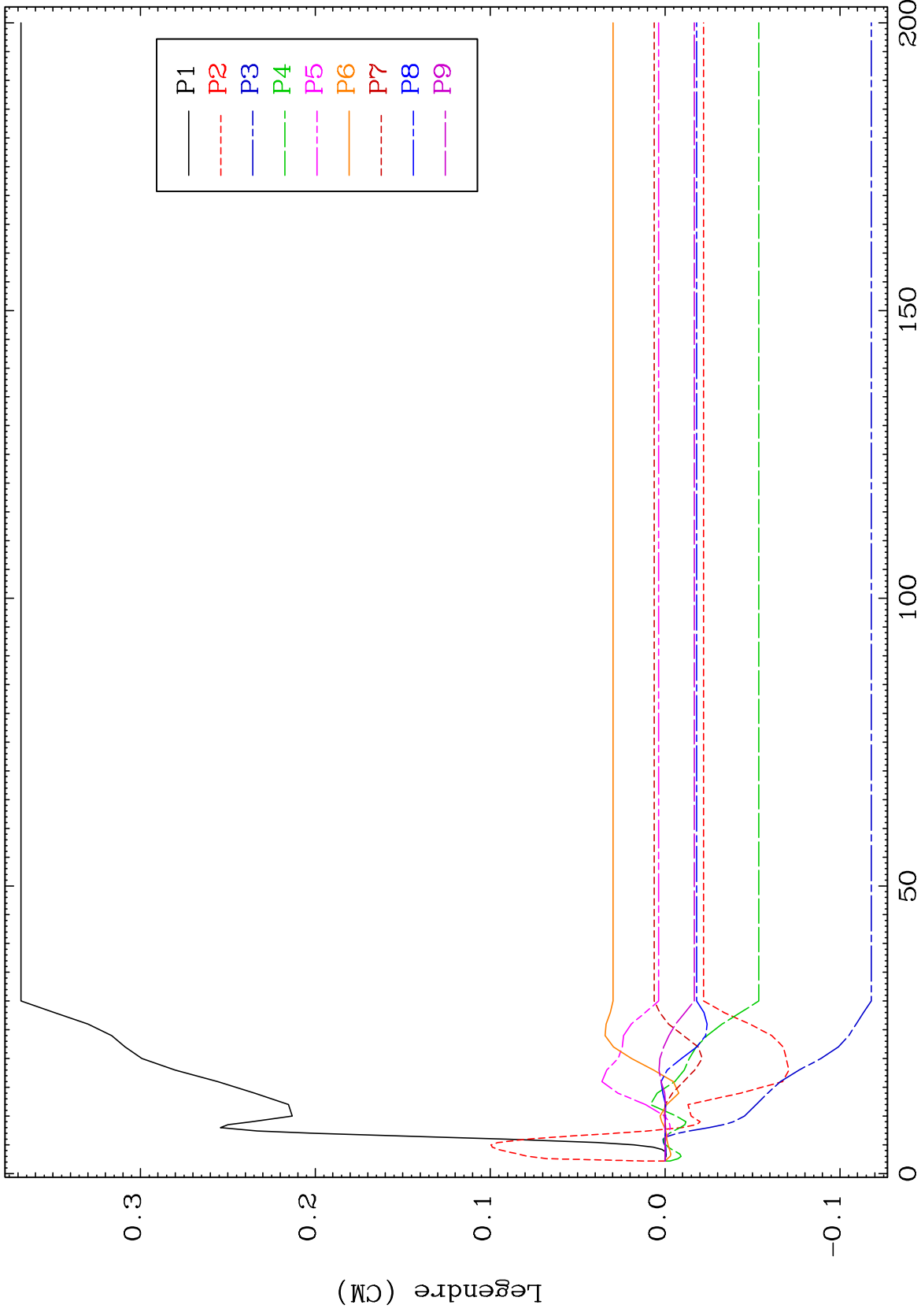
84-Po-209

MAT 8434

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

84-Po-209

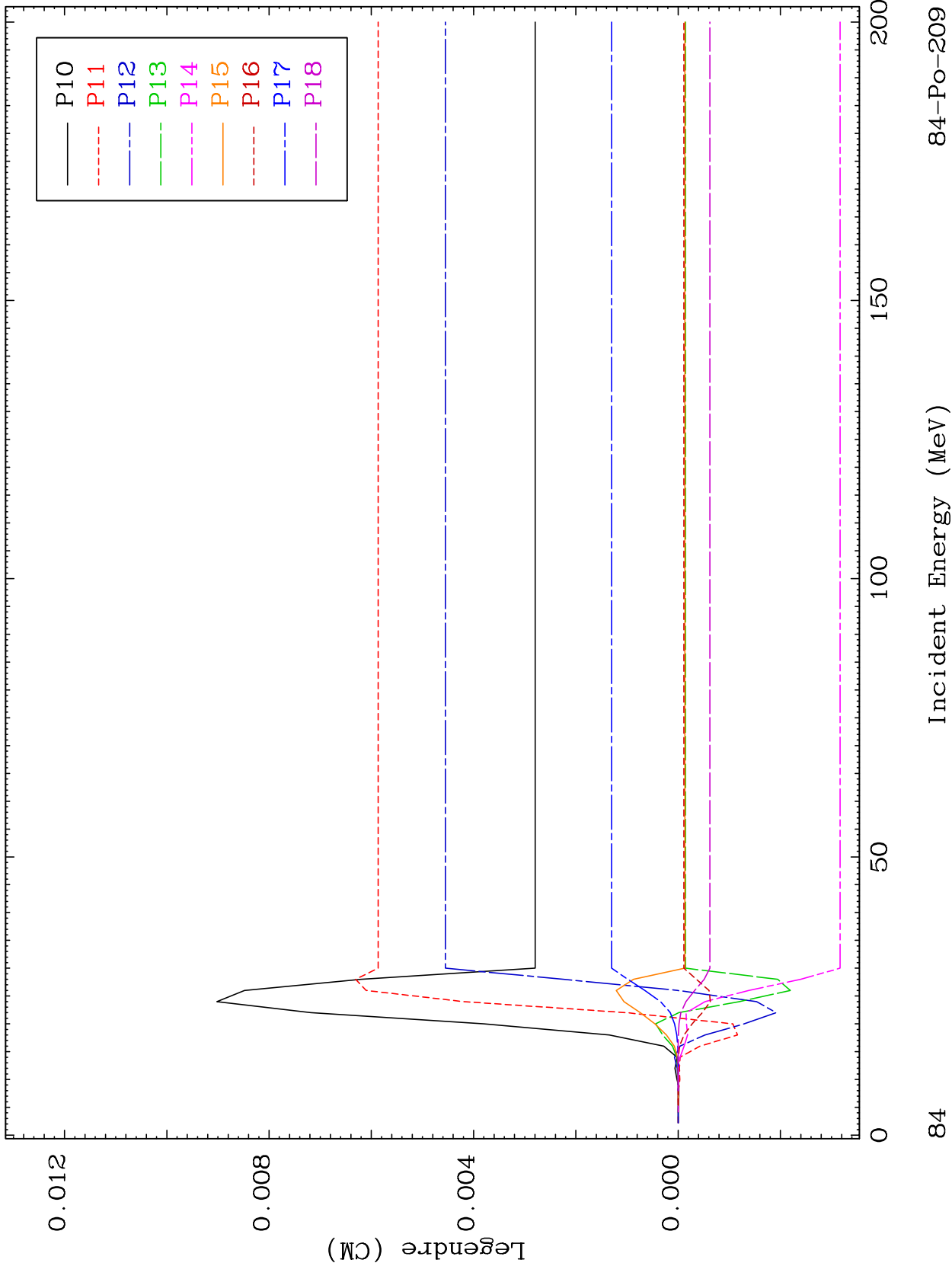




MAT 8434

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

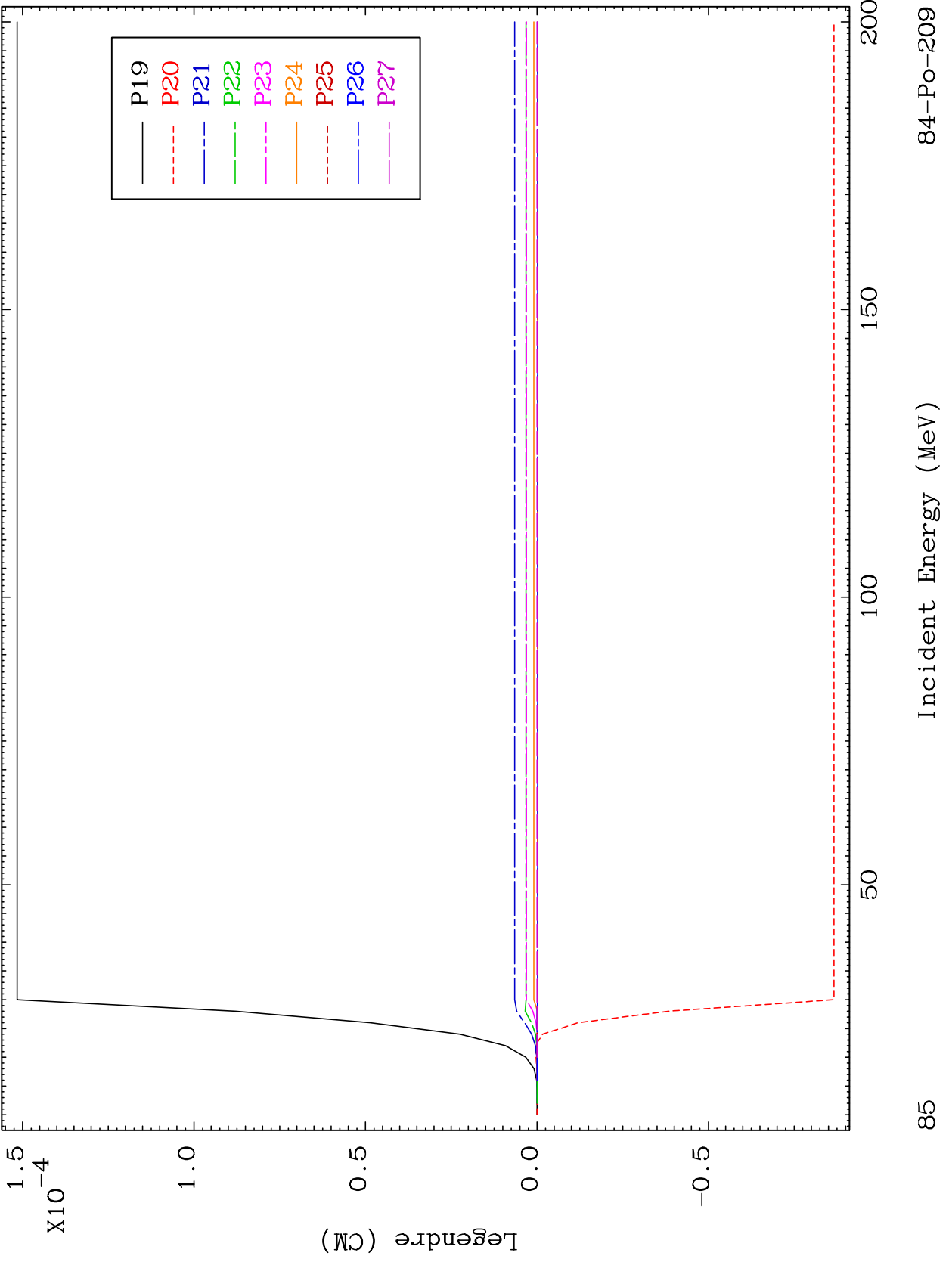
84-Po-209



84

Incident Energy (MeV)

84-Po-209

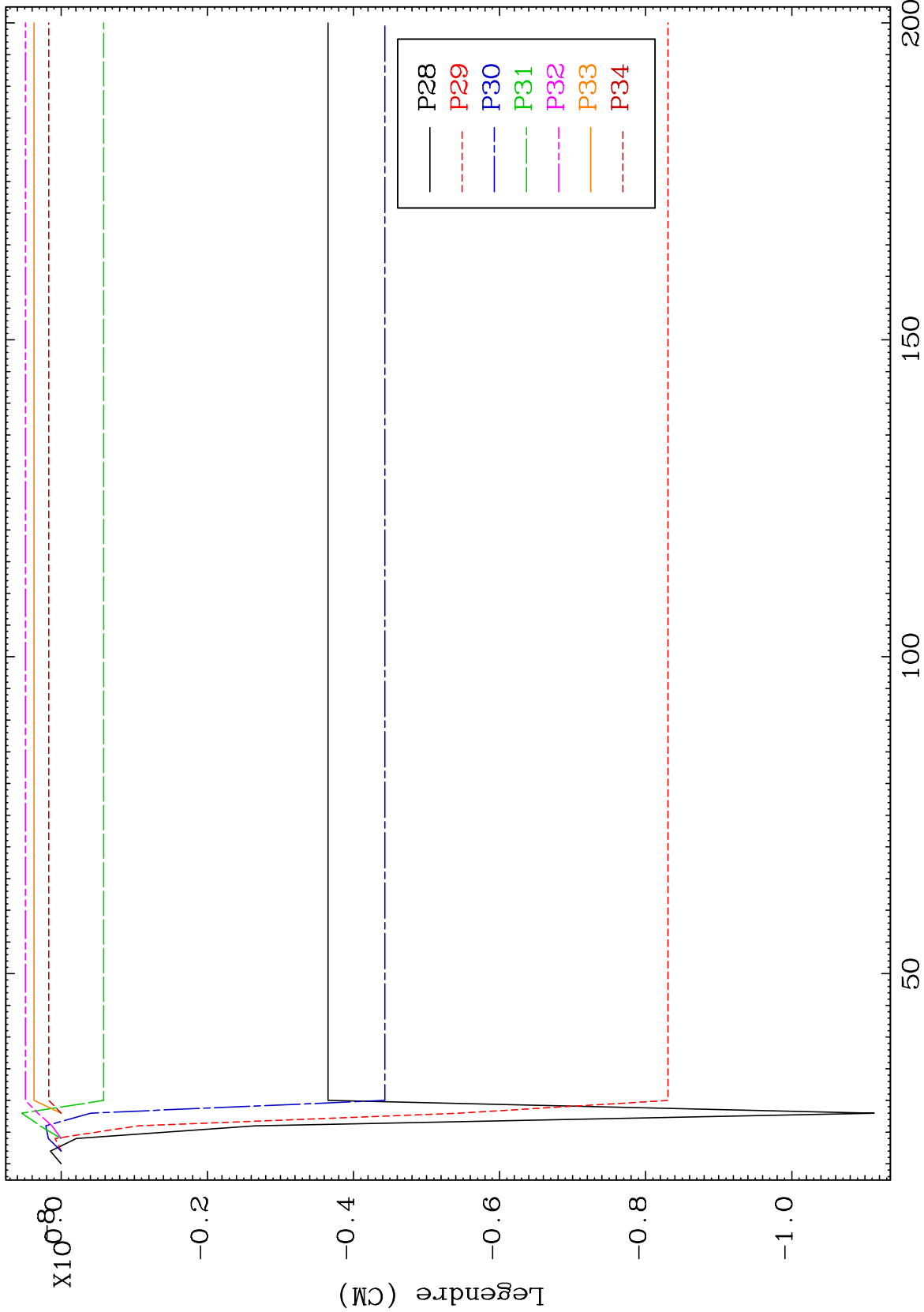


MAT 8434

MT= 67 (n,n') Level

84-Po-209

Legendre Coefficients



86

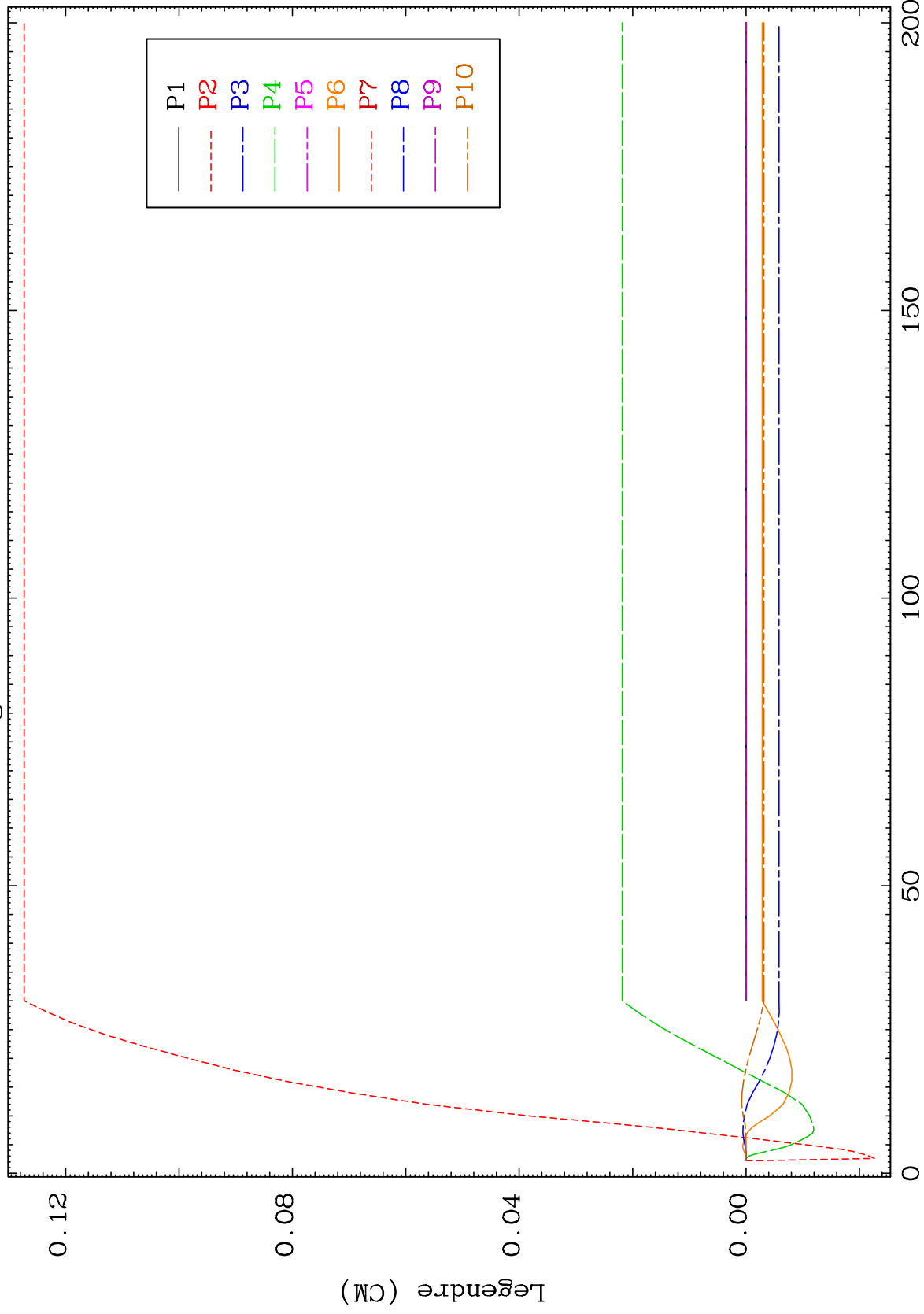
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



87

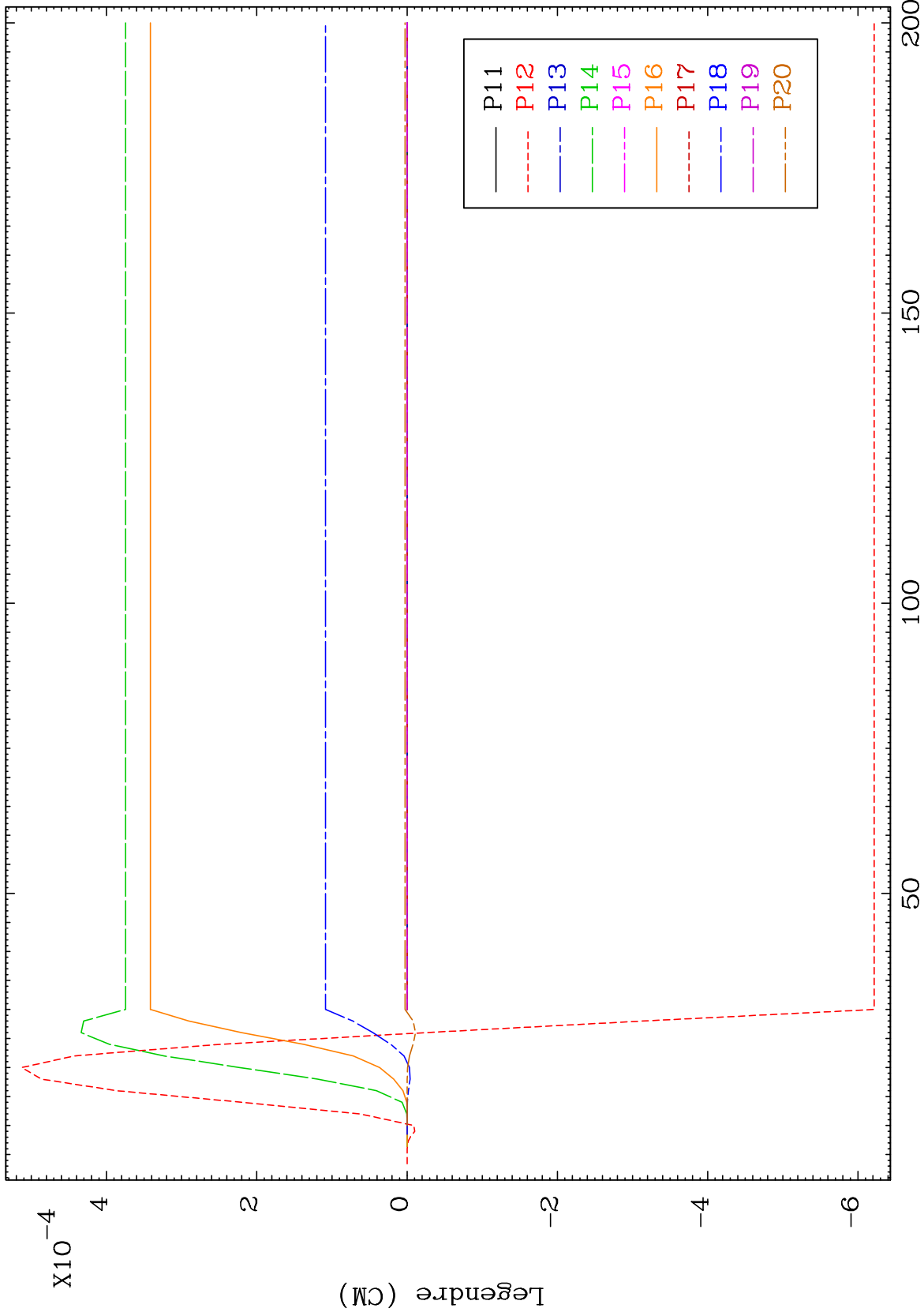
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



88

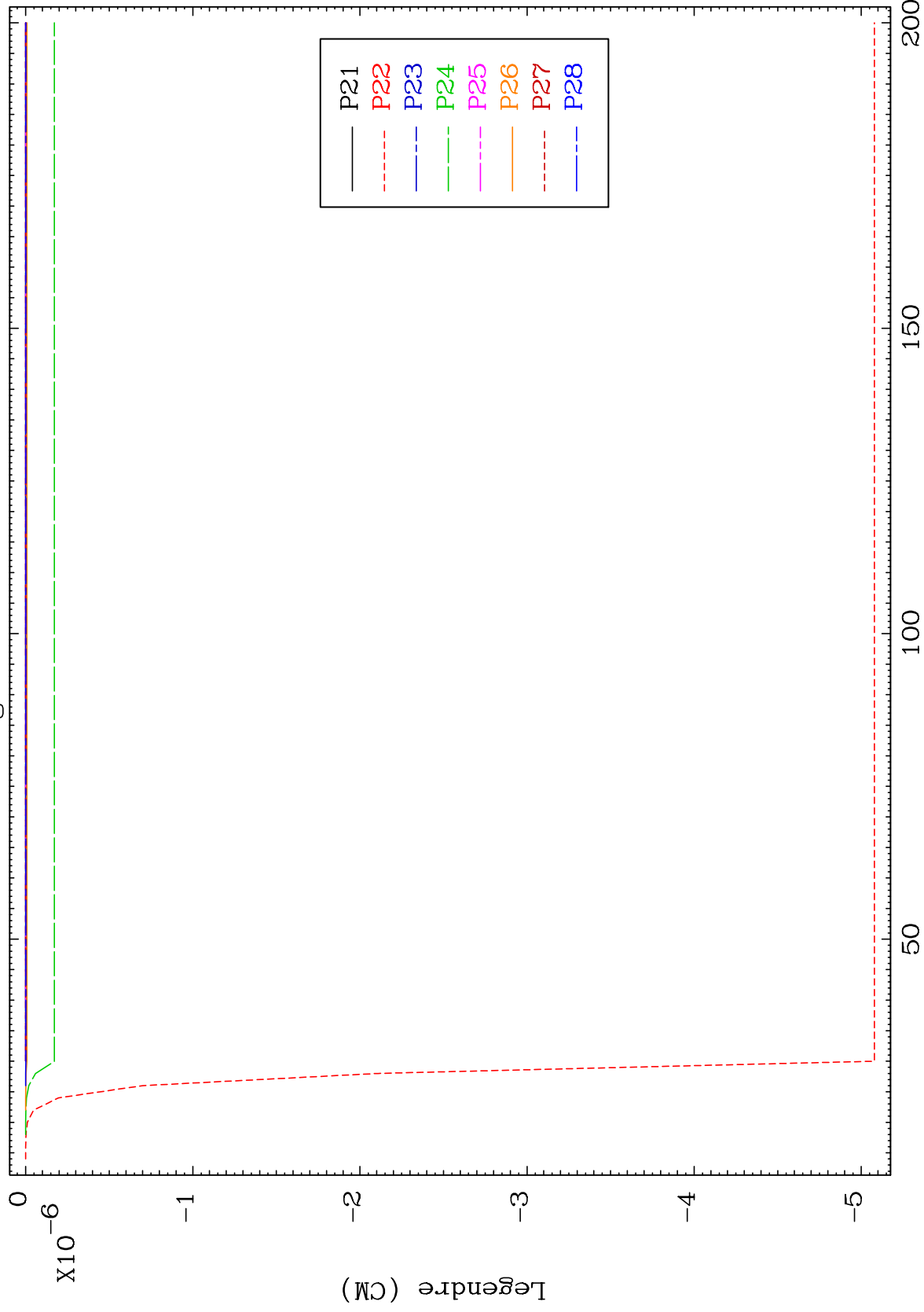
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



89

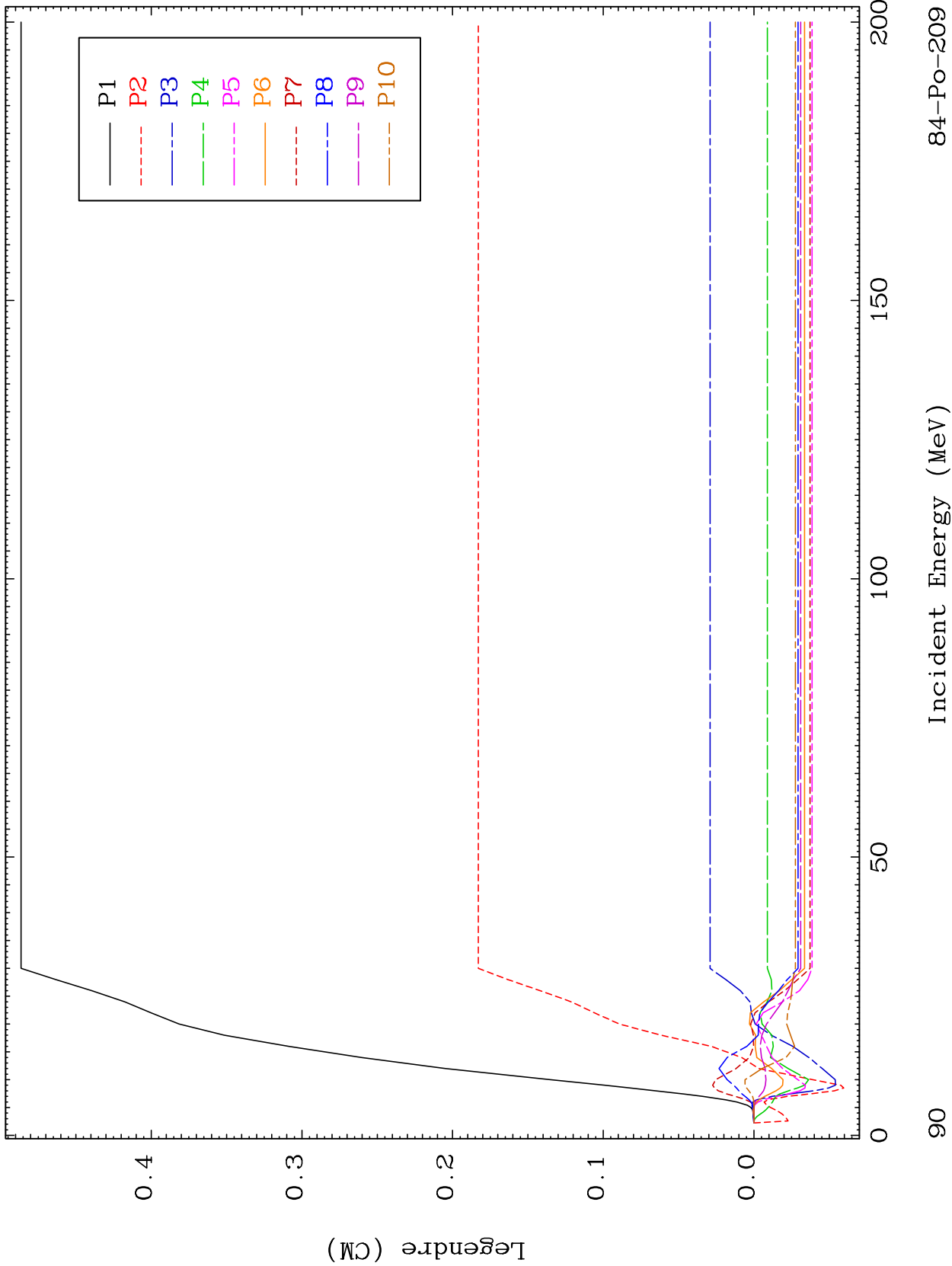
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209

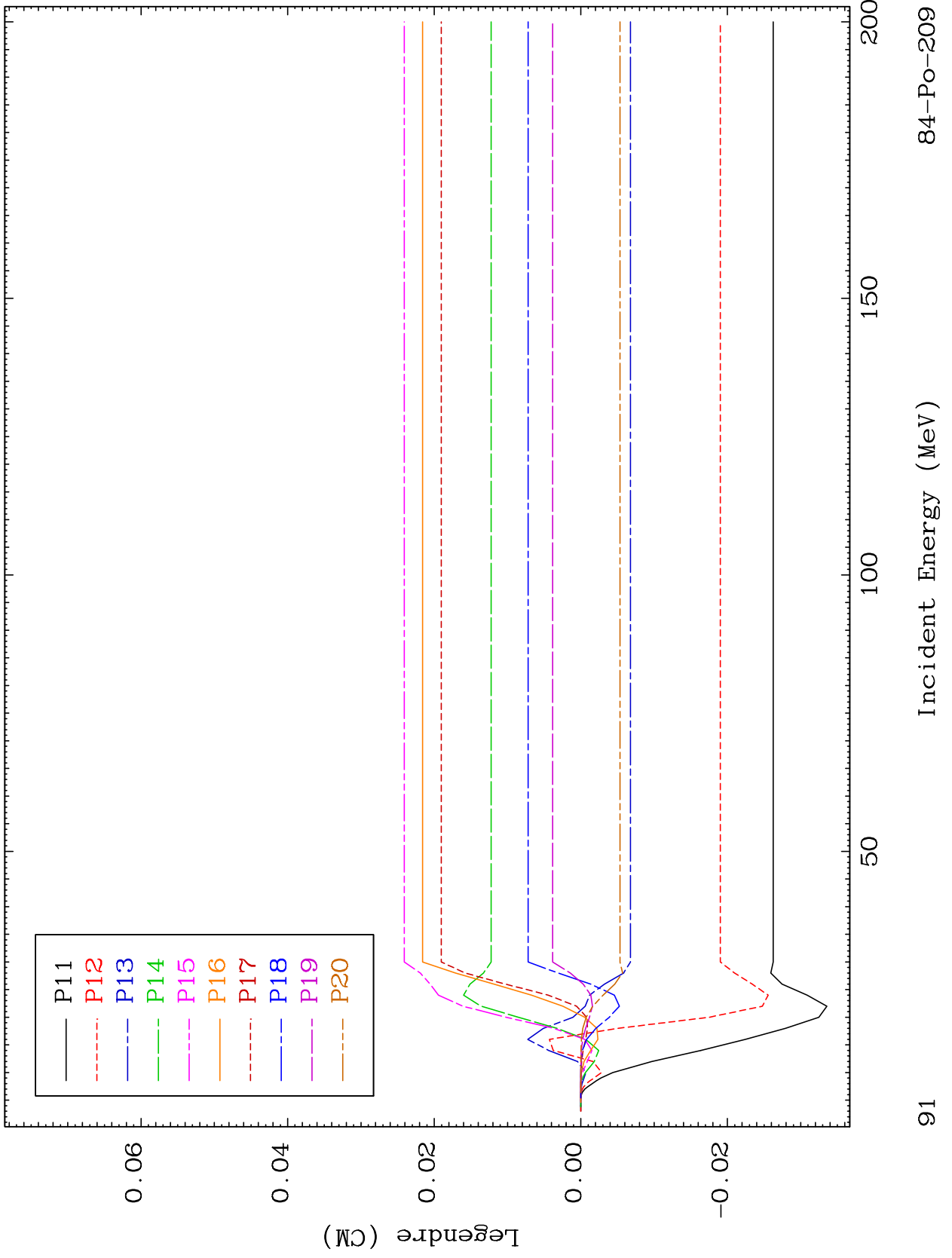


84-Po-209

MAT 8434

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

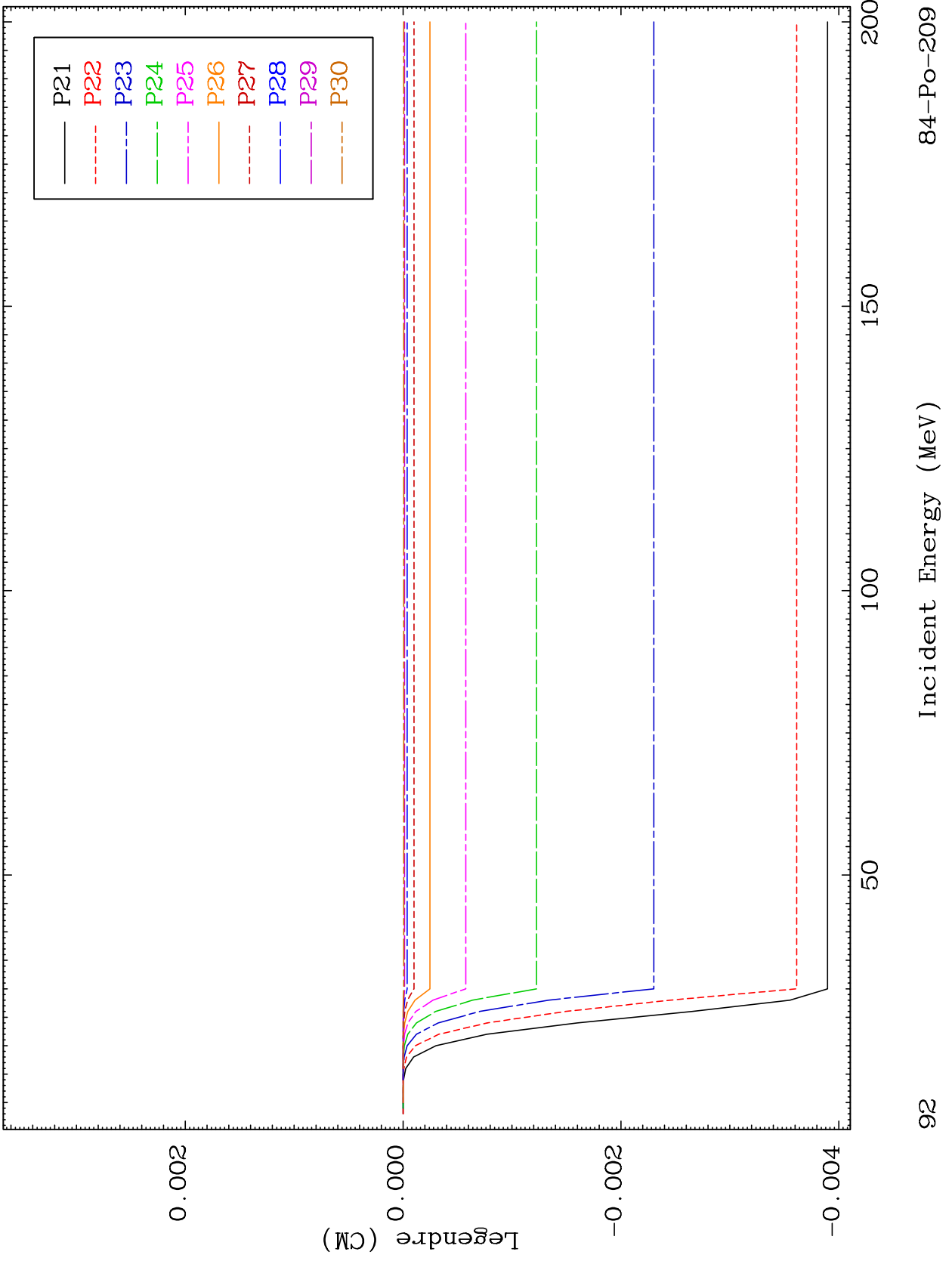
84-Po-209



MAT 8434

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

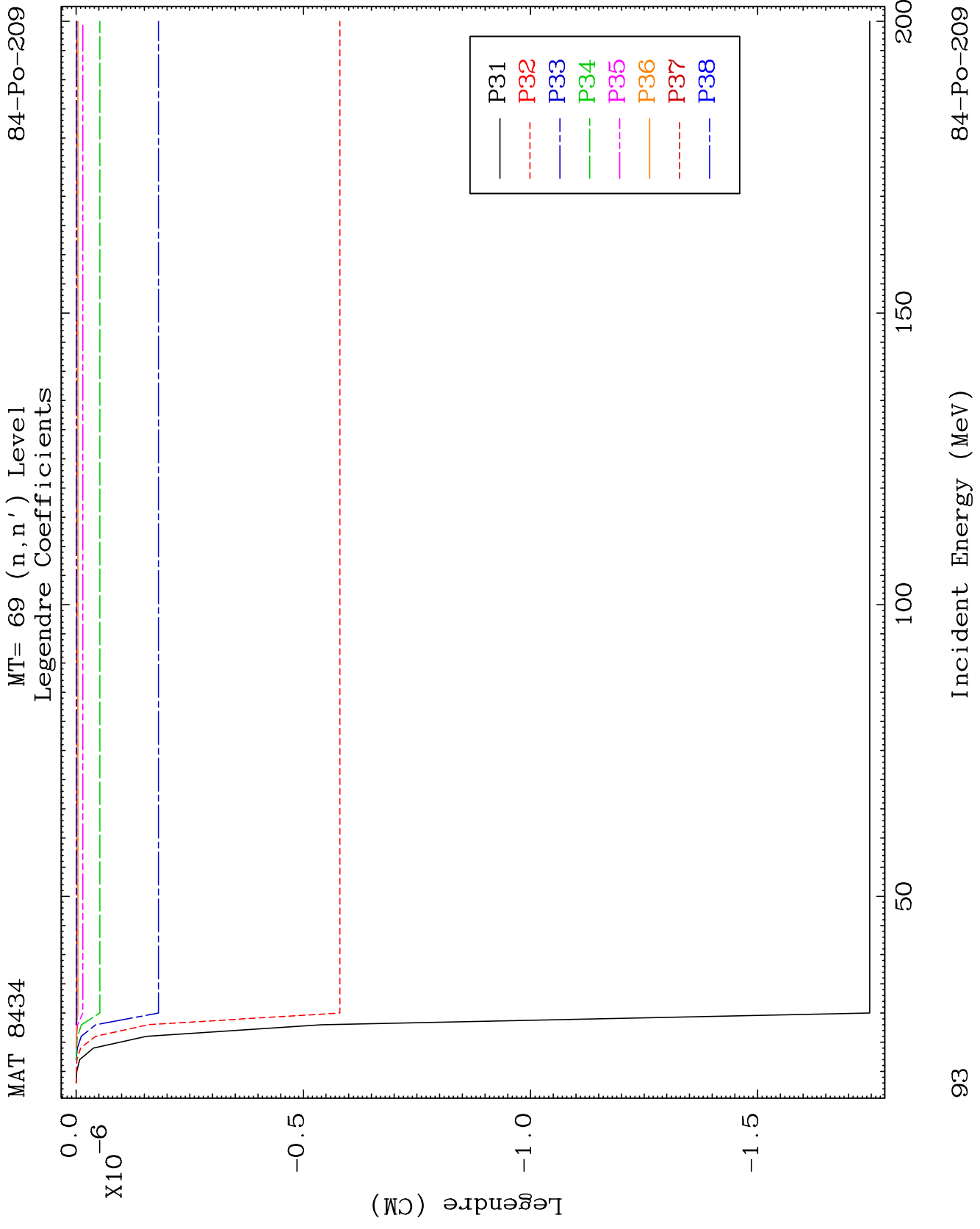
84-Po-209



92

Incident Energy (MeV)

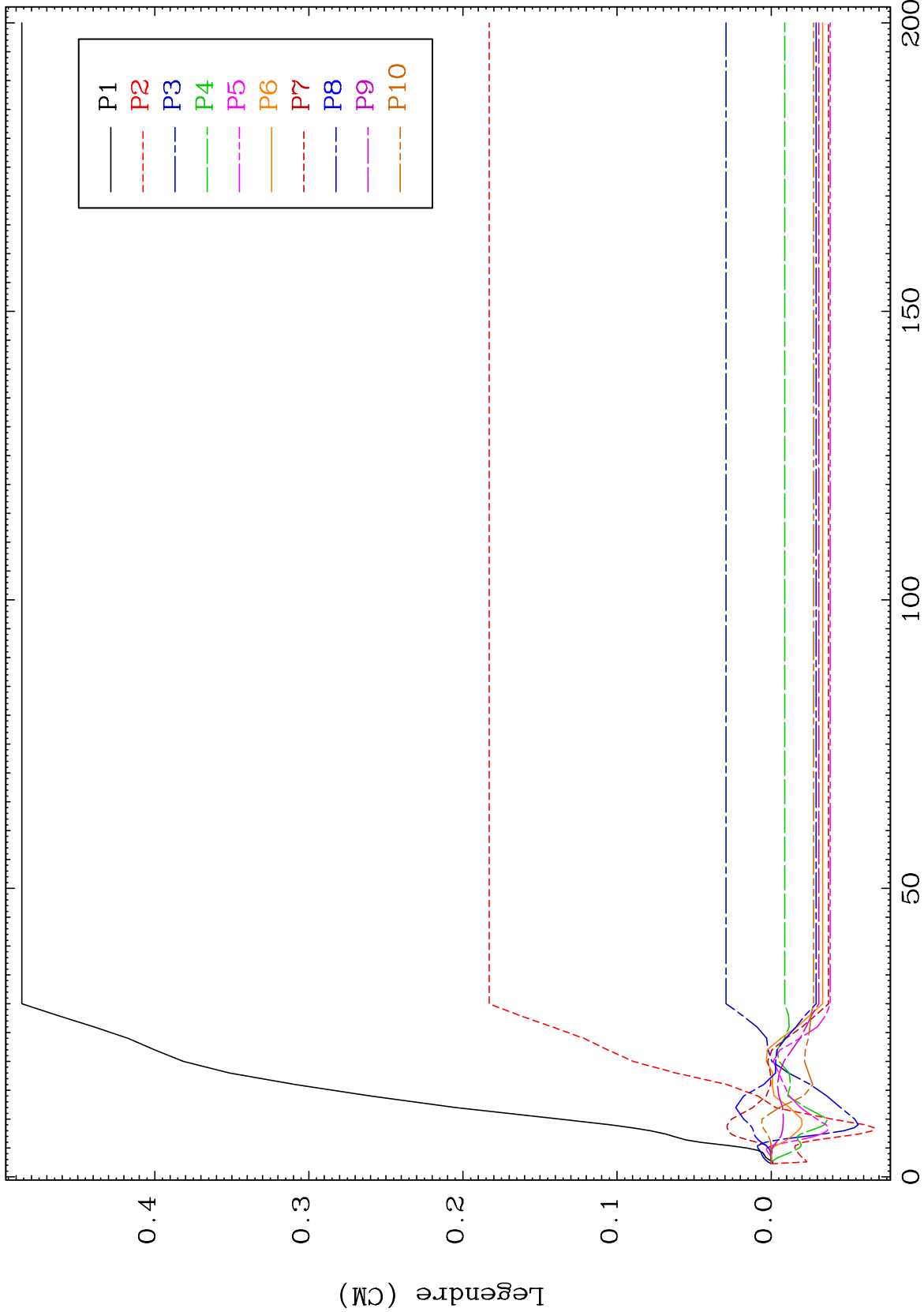
84-Po-209



MAT 8434

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

84-Po-209



94

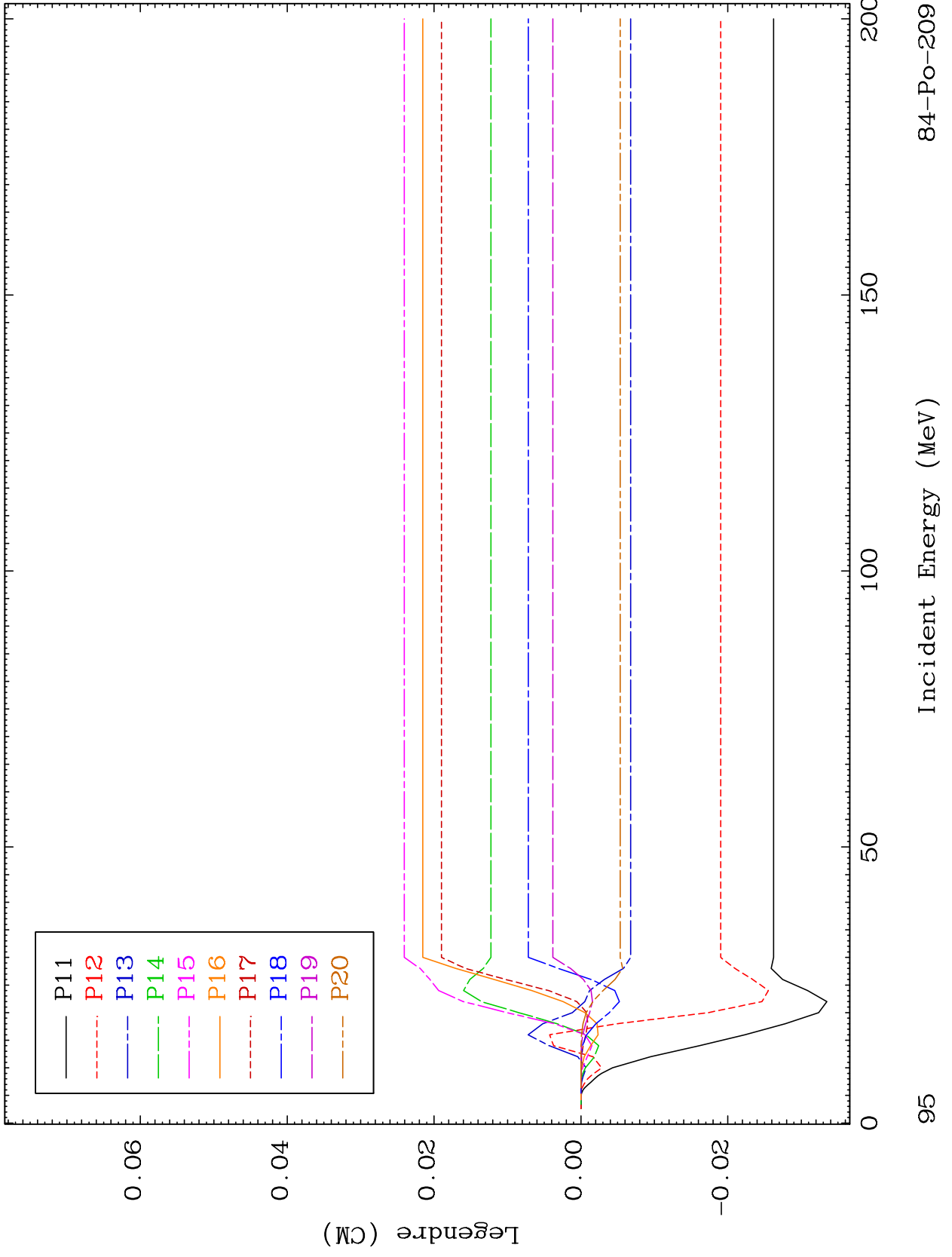
Incident Energy (MeV)

84-Po-209

MAT 8434

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

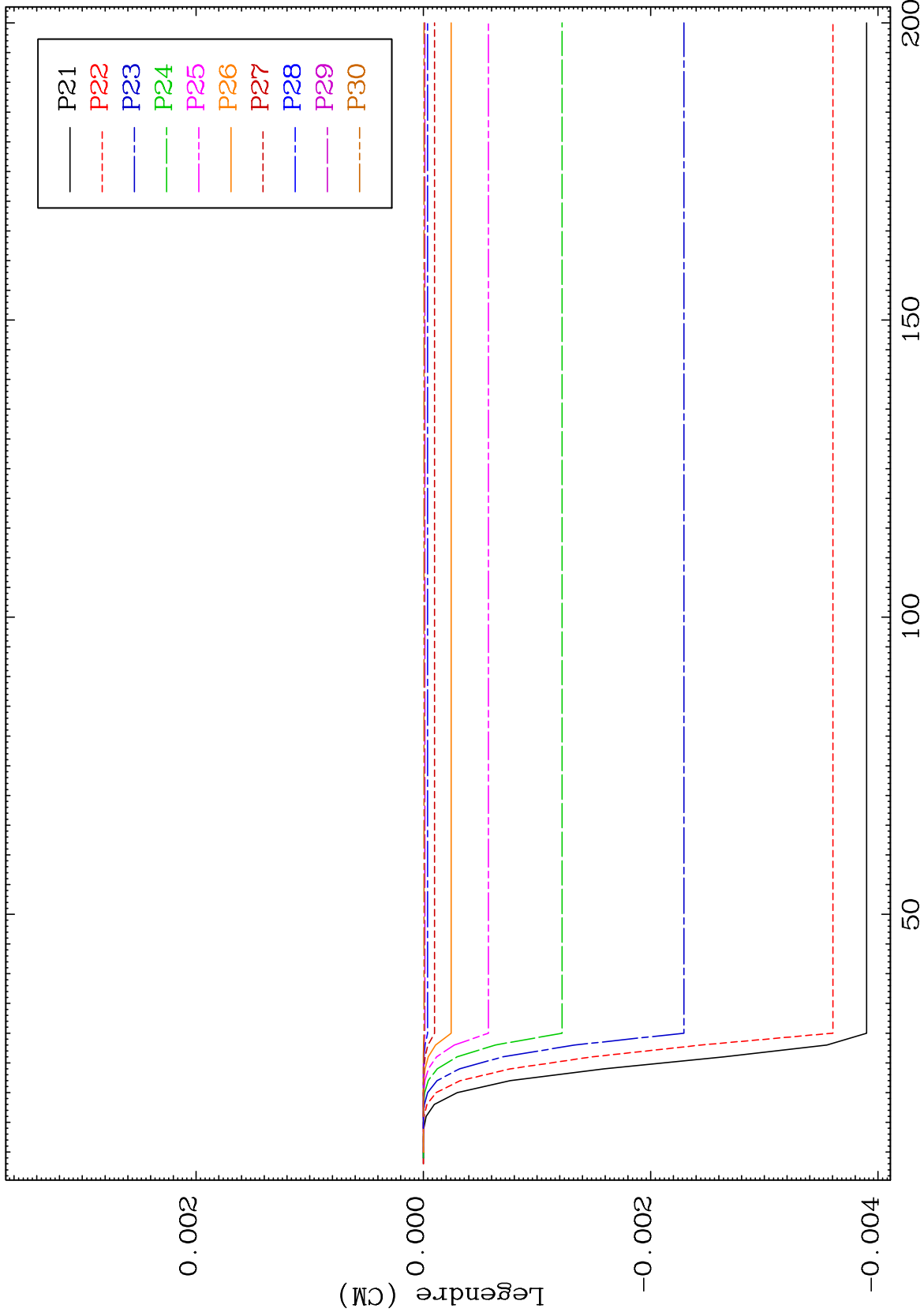
84-Po-209

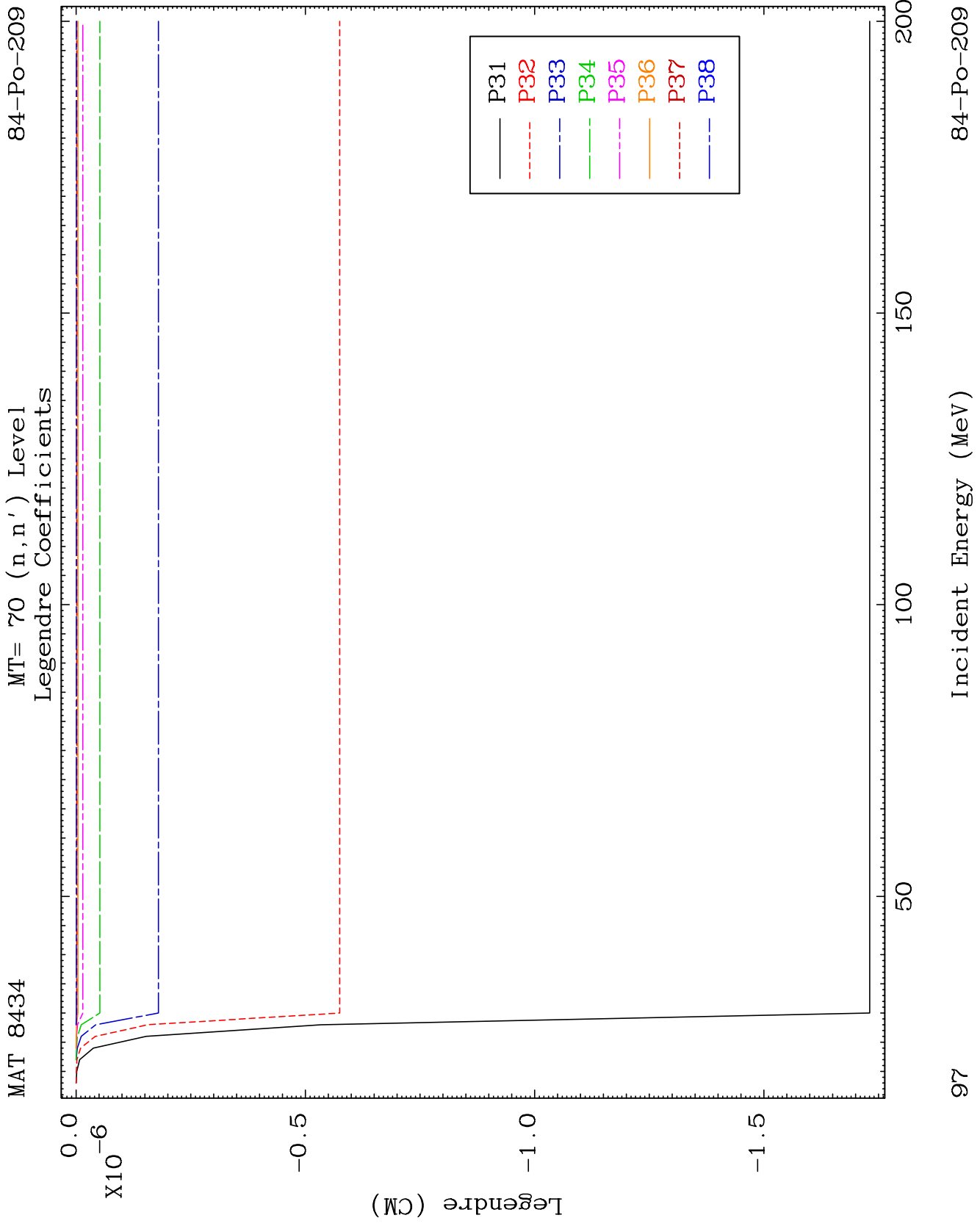


84-Po-209

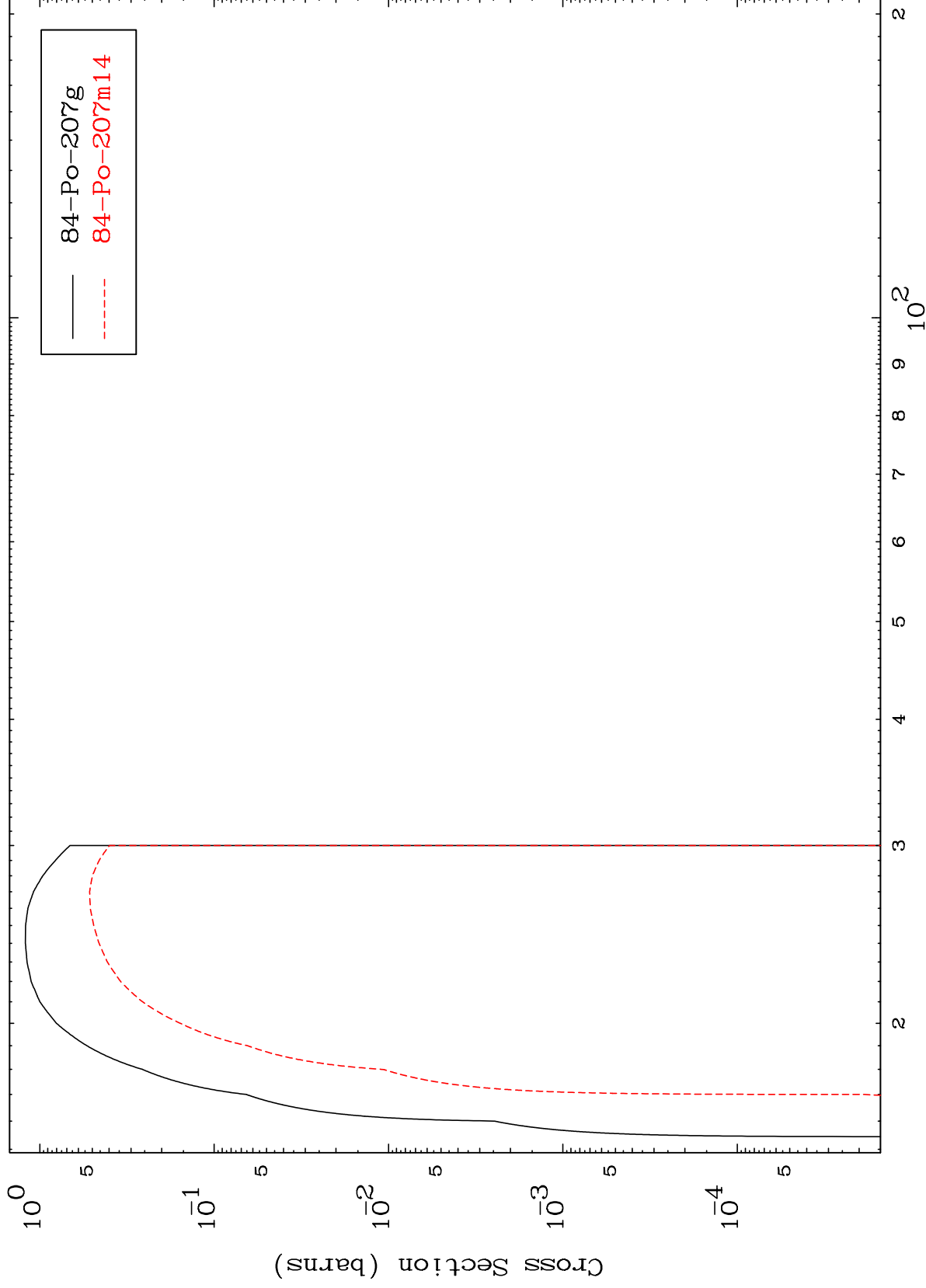
Incident Energy (MeV)

95





Radionuclide Production Cross Section

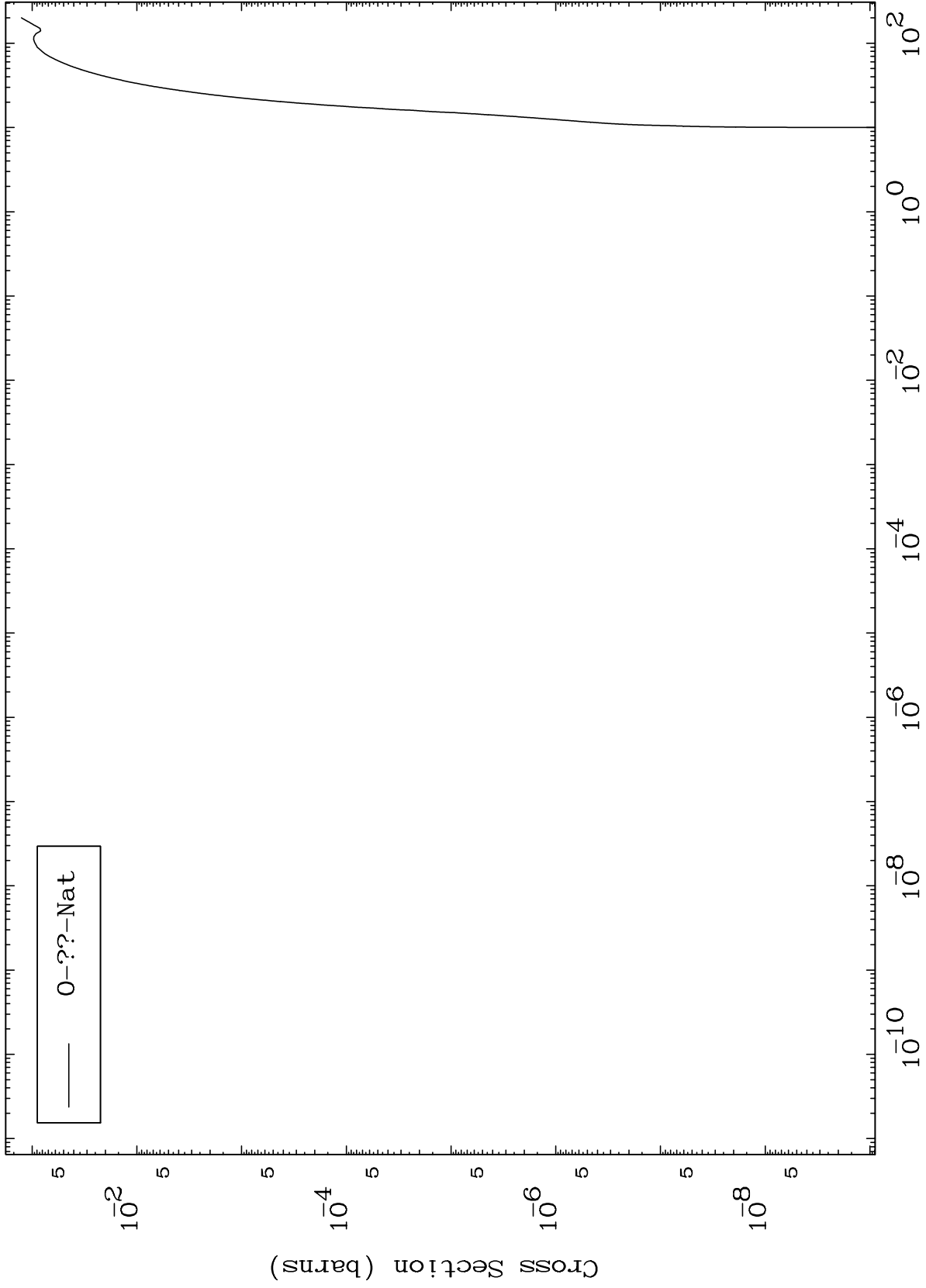


MAT 8434

Fission

84-Po-209

Radionuclide Production Cross Section



99

Incident Energy (MeV)

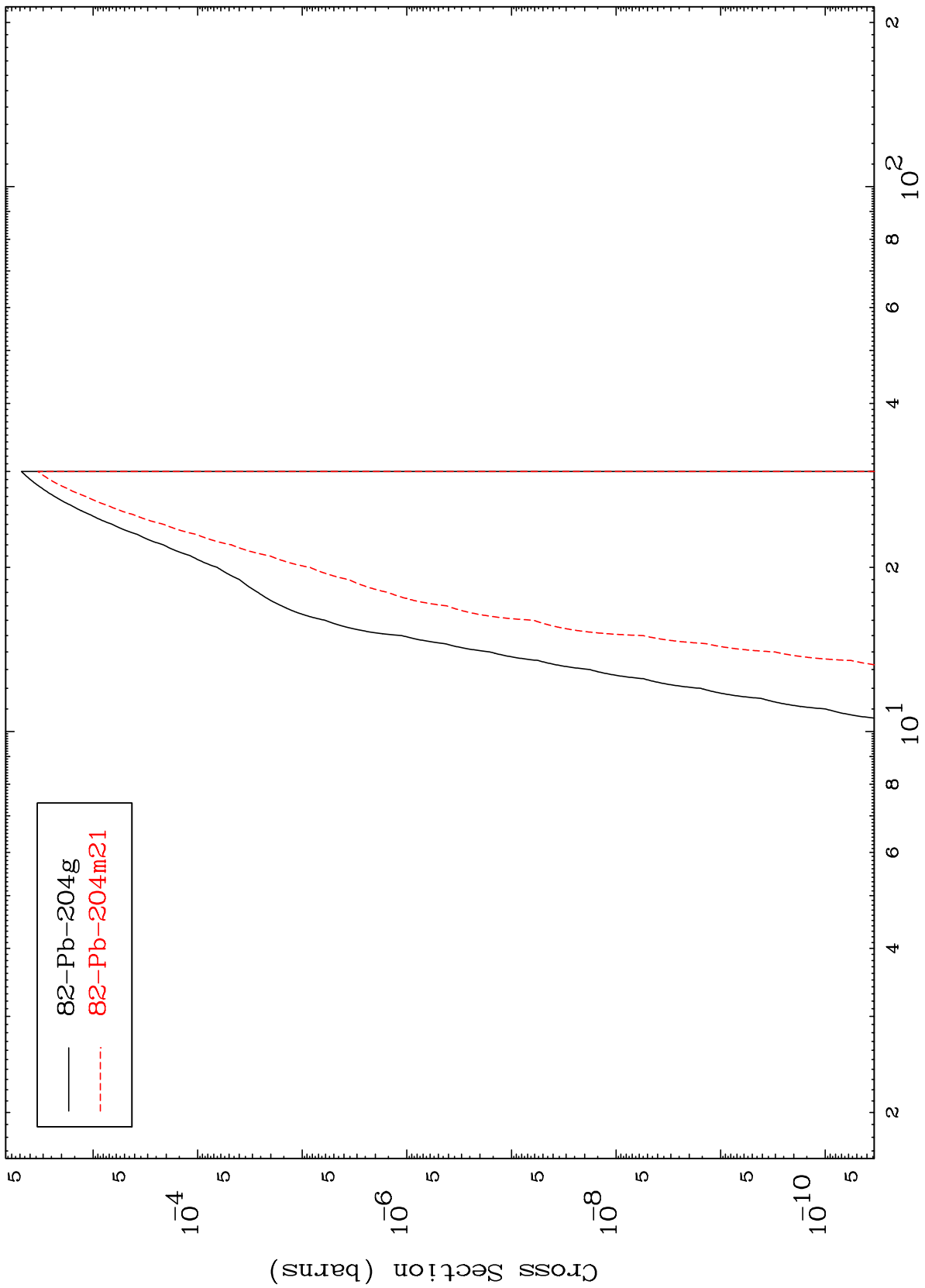
84-Po-209

MAT 8434

(n,2n) α

84-Po-209

Radionuclide Production Cross Section



82-Pb-204g
82-Pb-204m21

100

Incident Energy (MeV)

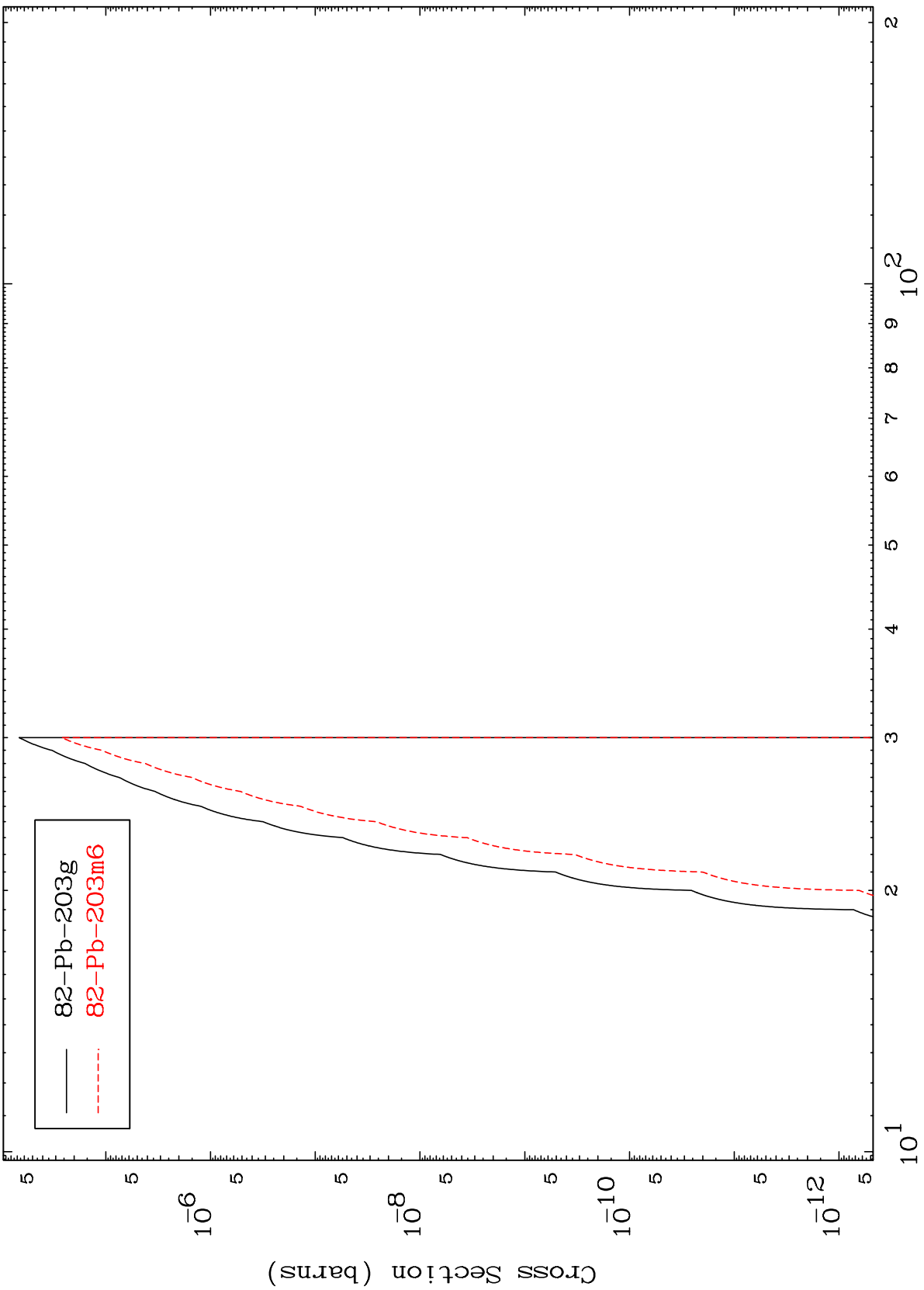
84-Po-209

MAT 8434

(n,3n) α

84-Po-209

Radionuclide Production Cross Section



101

Incident Energy (MeV)

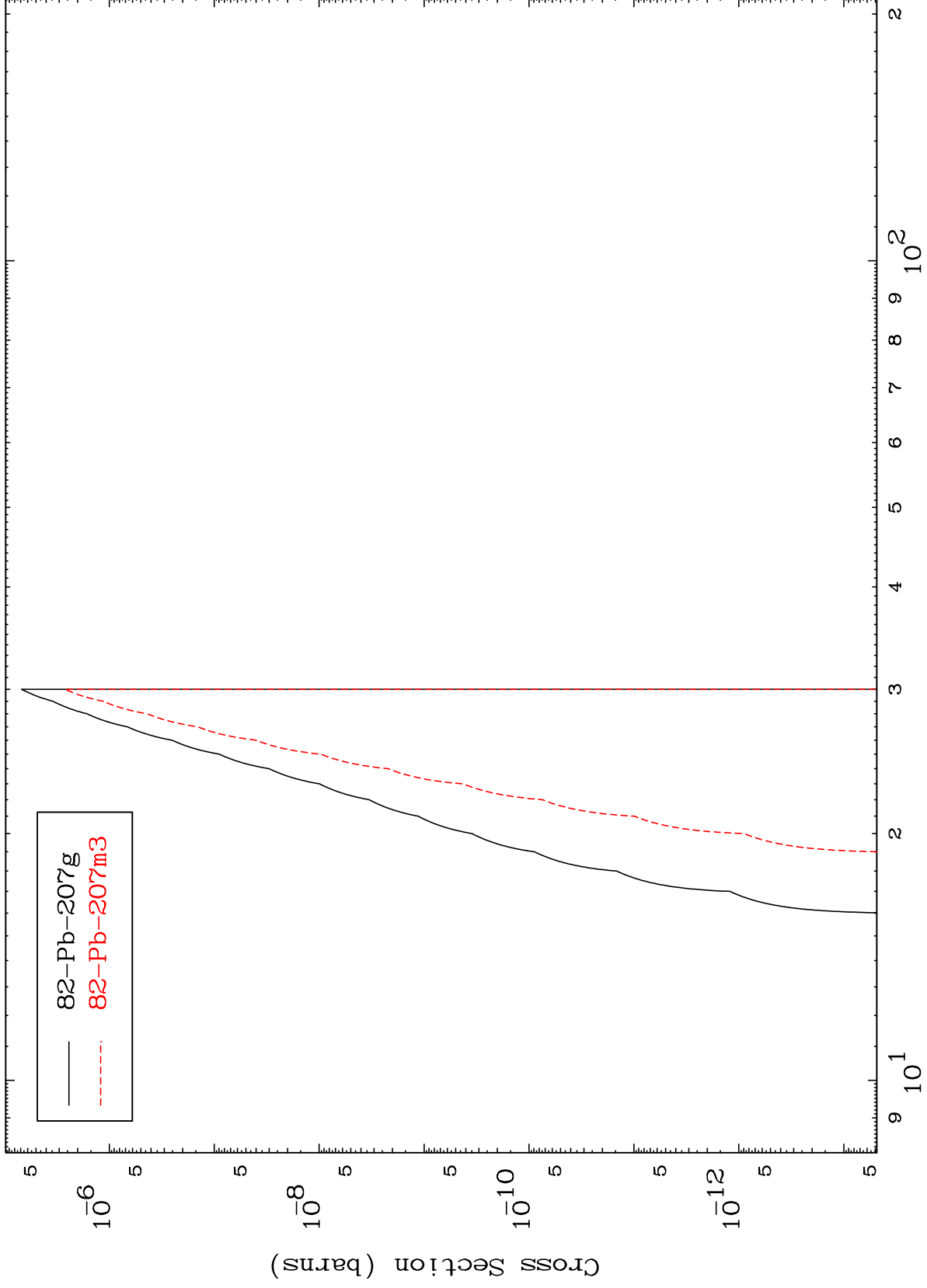
84-Po-209

MAT 8434

(n,2n) p

84-Po-209

Radionuclide Production Cross Section



102

Incident Energy (MeV)

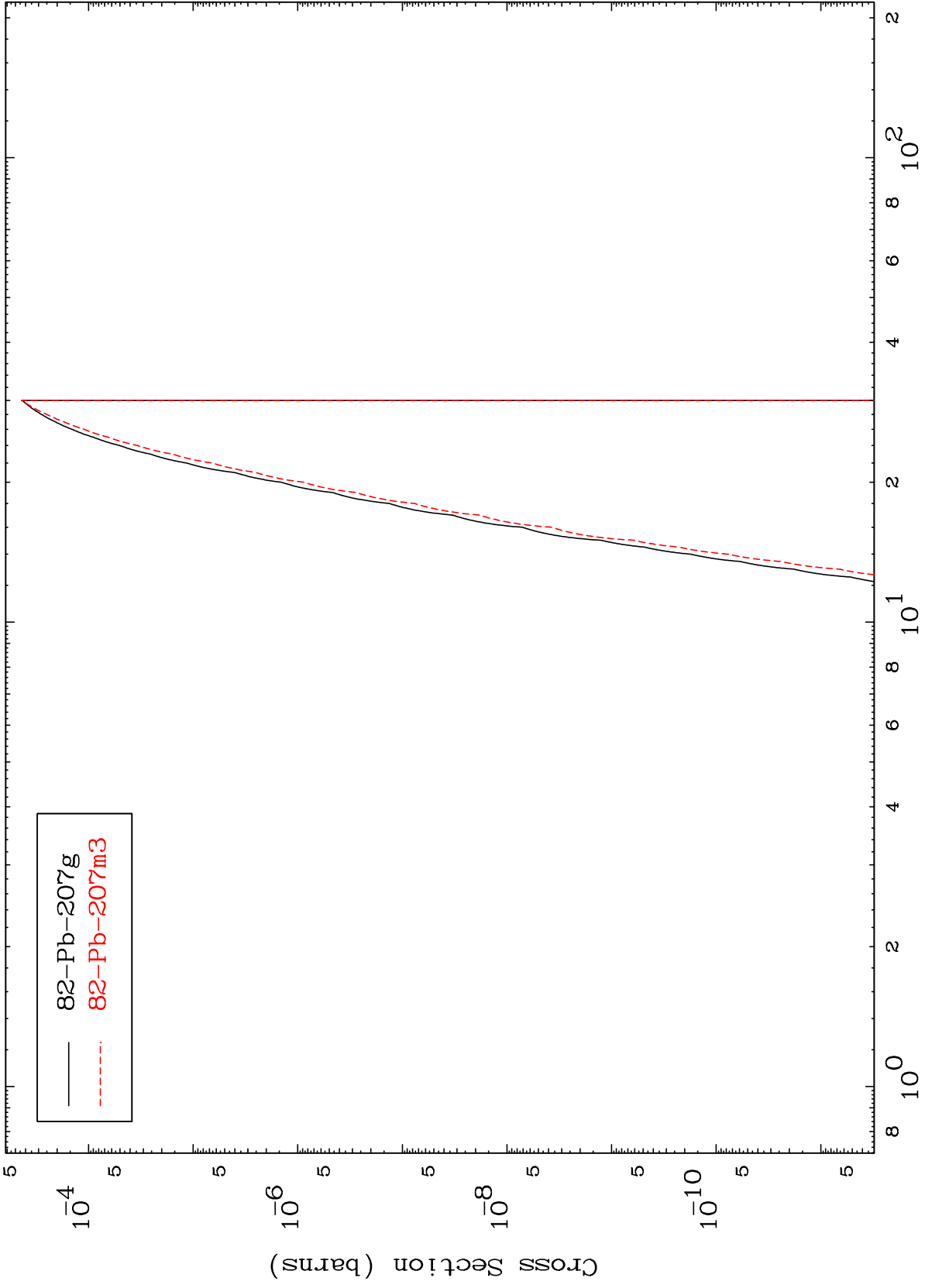
84-Po-209

MAT 8434

(n,He-3)

84-Po-209

Radionuclide Production Cross Section



103

Incident Energy (MeV)

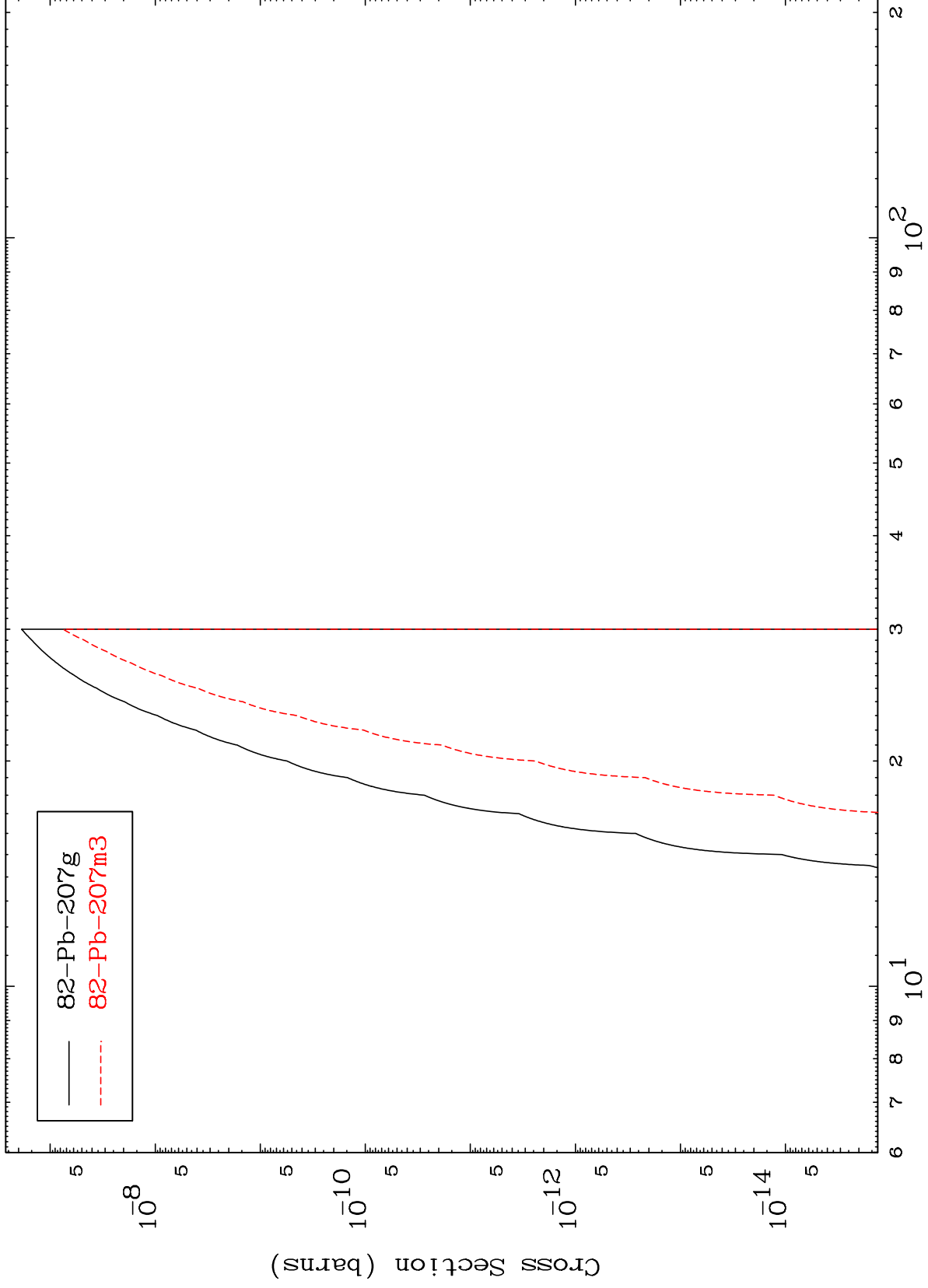
84-Po-209

MAT 8434

(n,p) d

84-Po-209

Radionuclide Production Cross Section



104

Incident Energy (MeV)

84-Po-209