

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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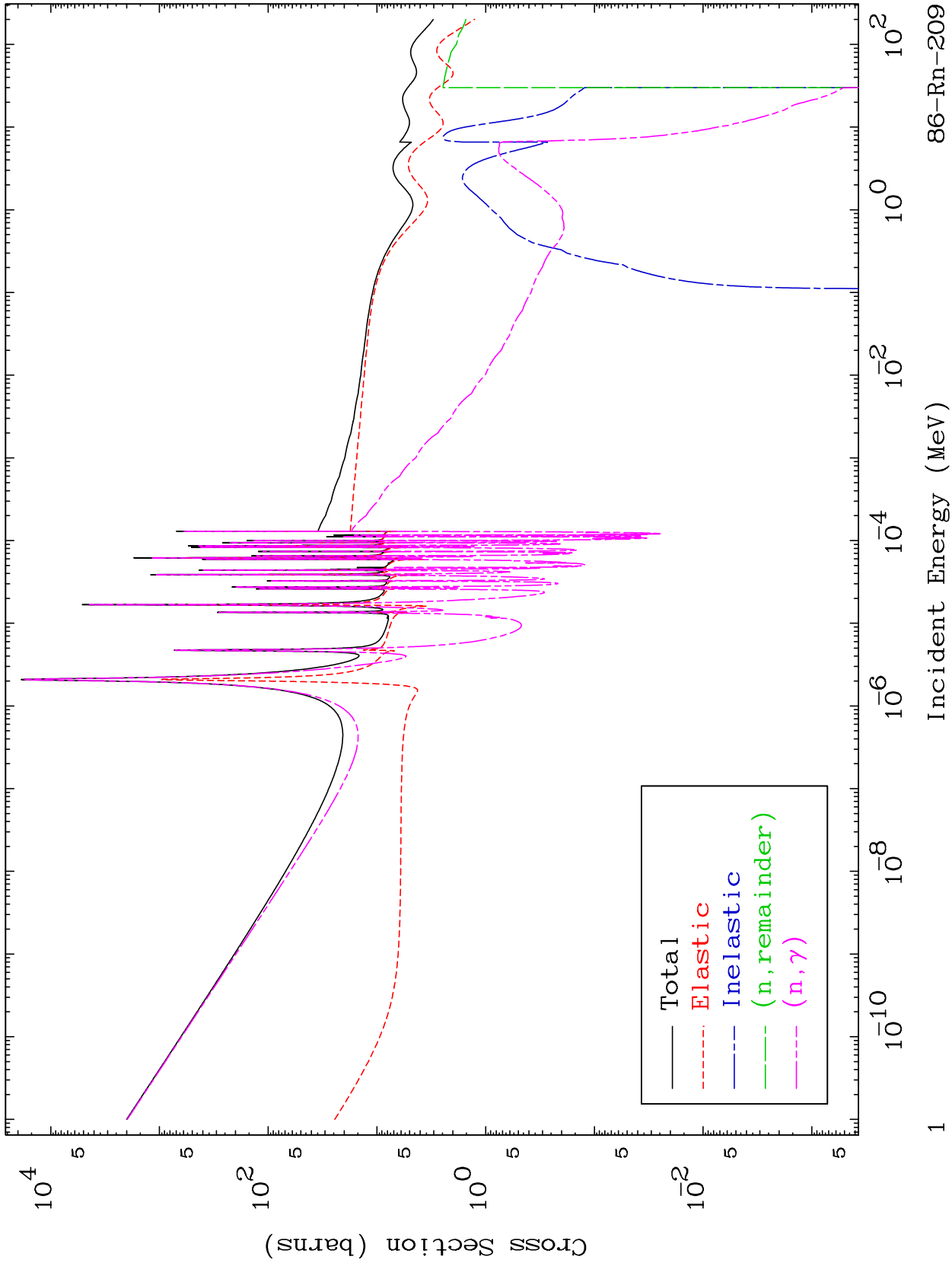
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8619

Major  
293 Kelvin Cross Sections

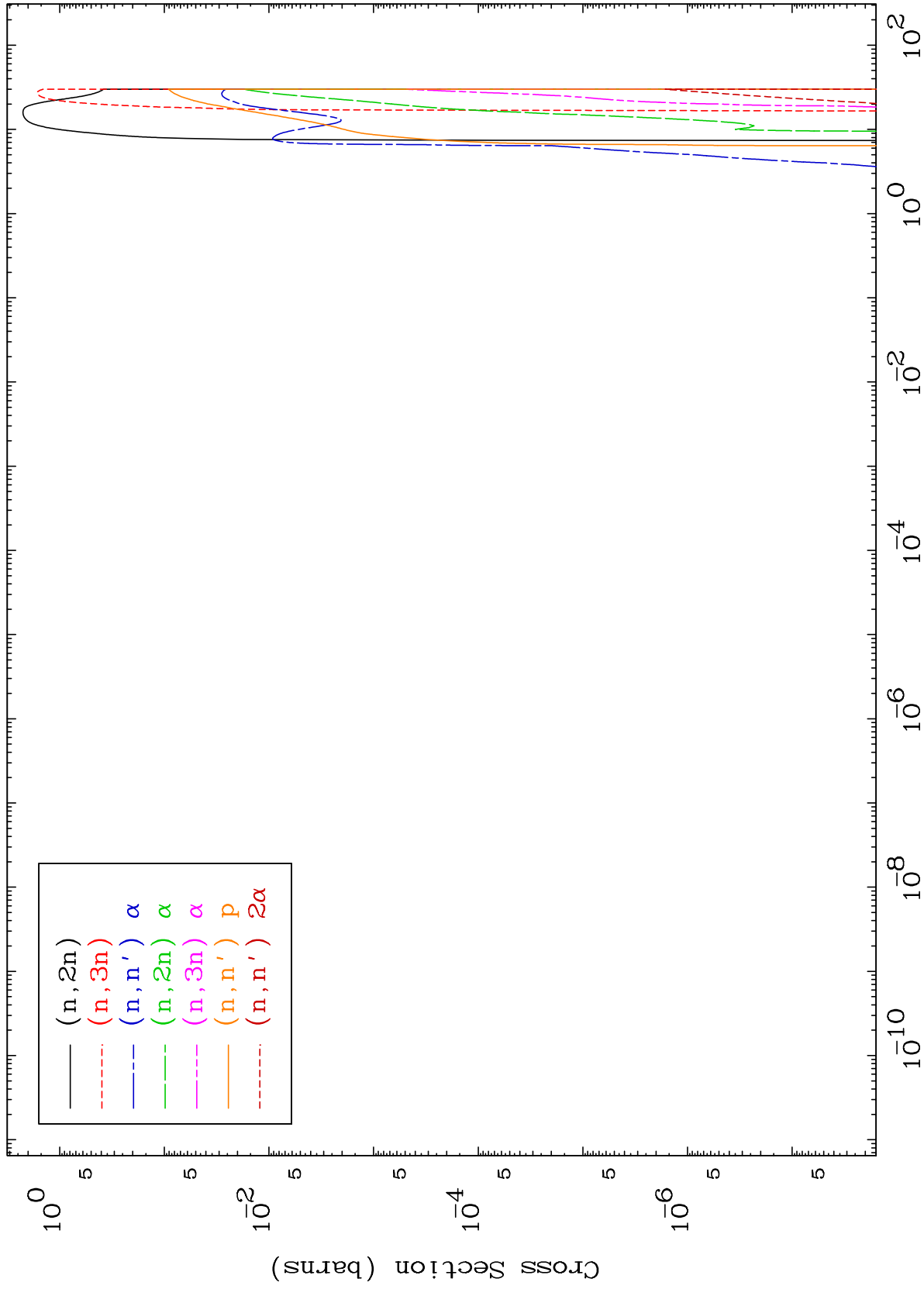
86-Rn-209



MAT 8619

Neutron Production  
293 Kelvin Cross Sections

86-Rn-209



2

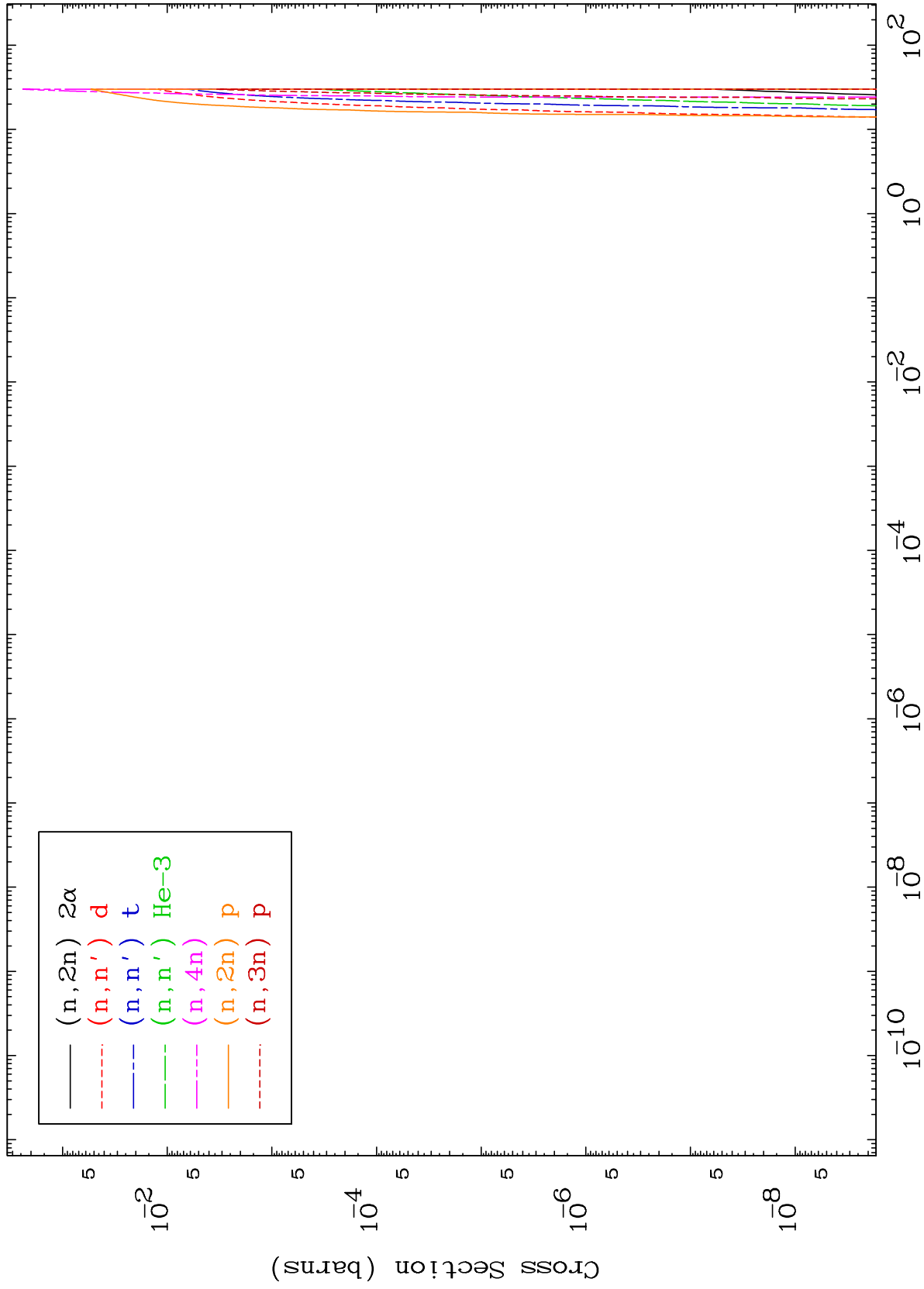
Incident Energy (MeV)

86-Rn-209

MAT 8619

Neutron Production  
293 Kelvin Cross Sections

86-Rn-209



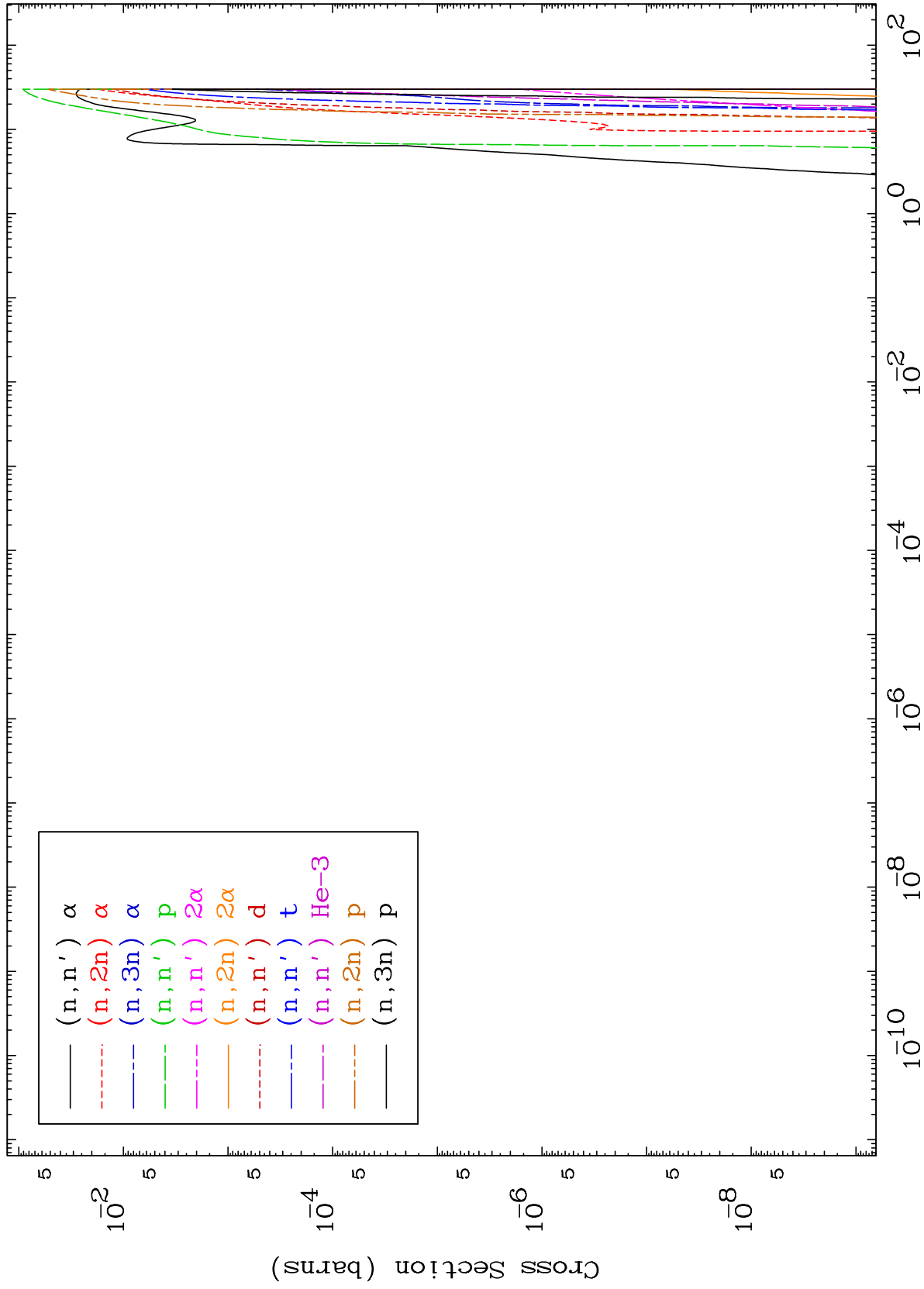
3

86-Rn-209

MAT 8619

293 Charged Particle  
Kelvin Cross Sections

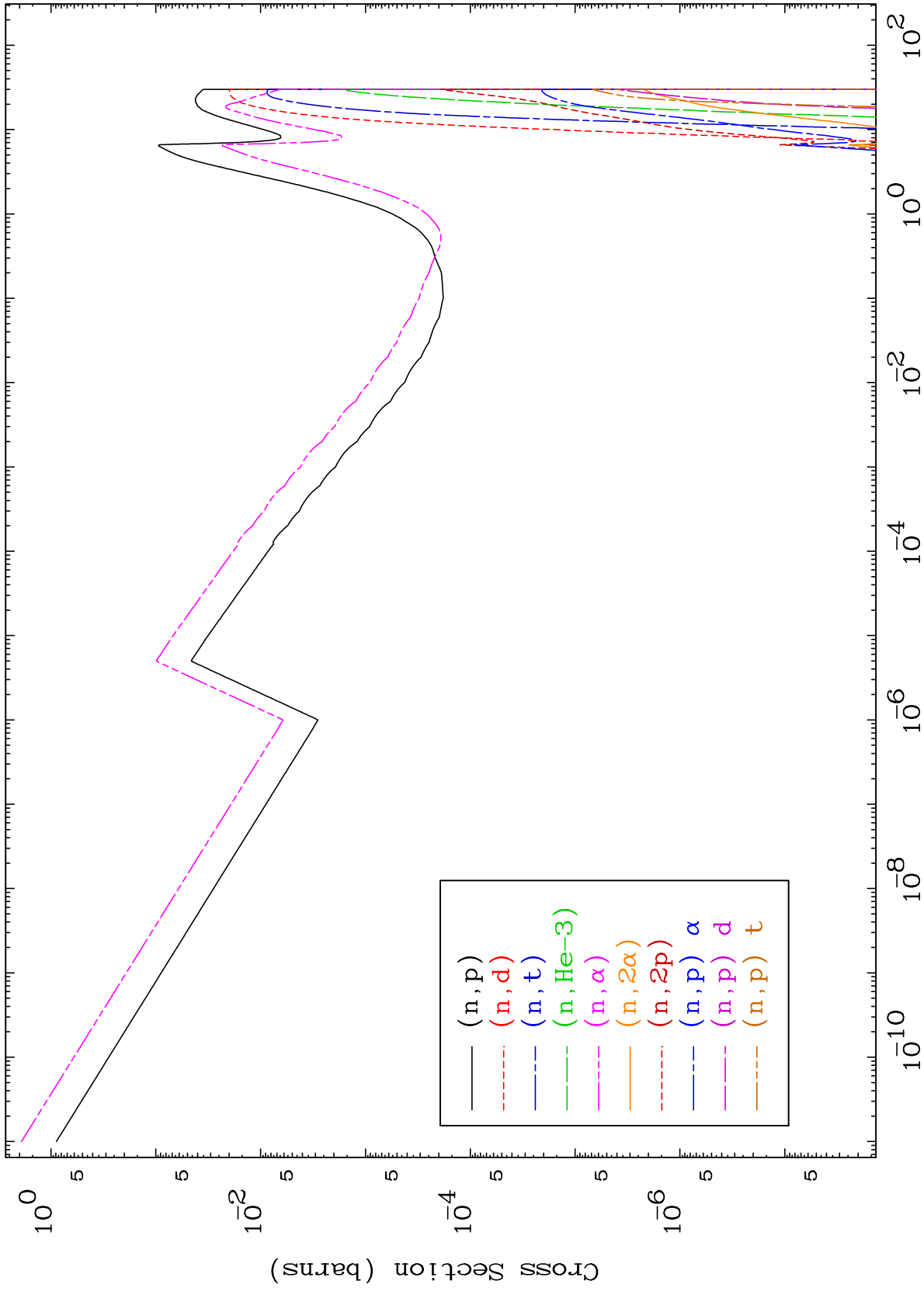
86-Rn-209



MAT 8619

Charged Particle  
293 Kelvin Cross Sections

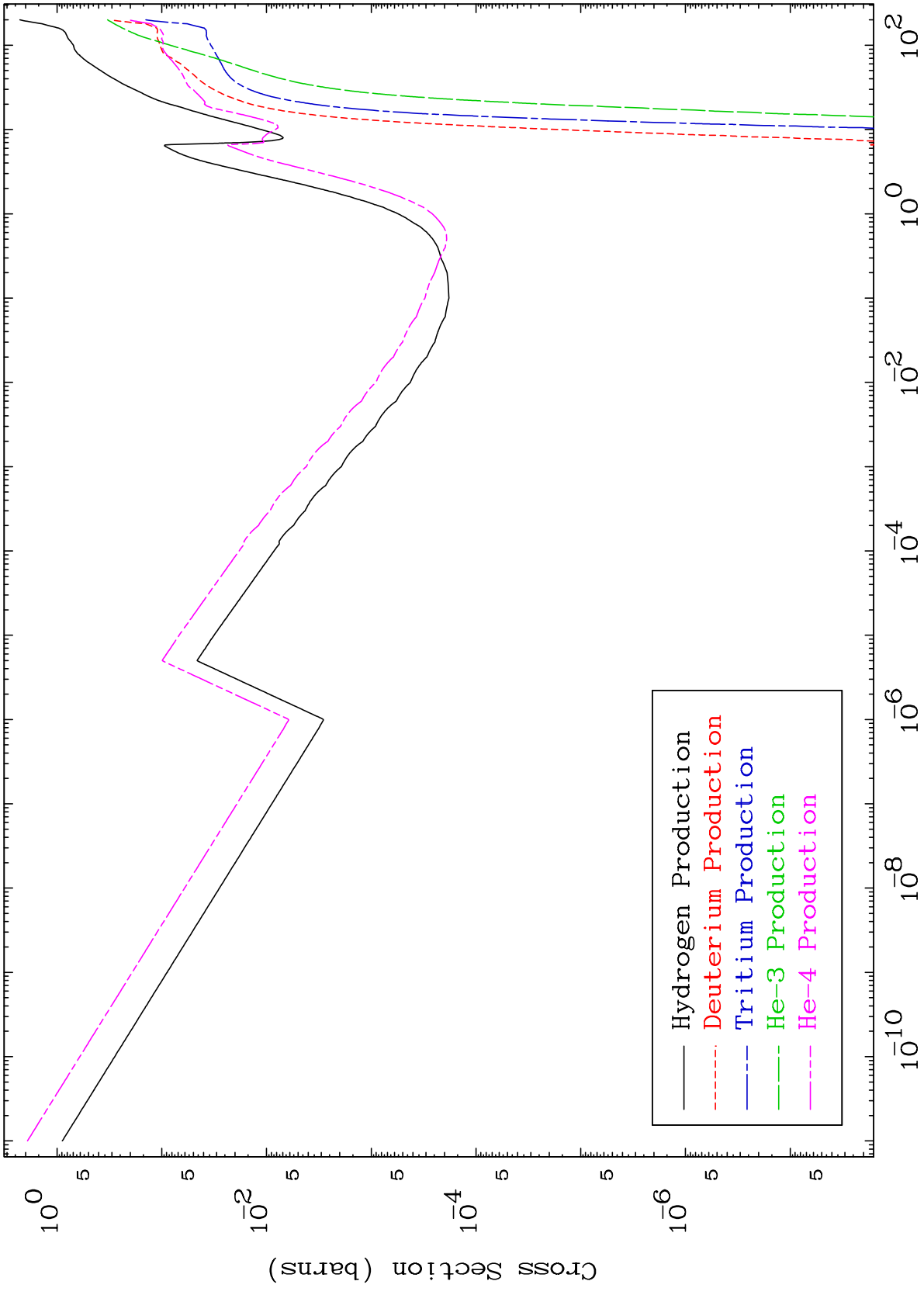
86-Rn-209



MAT 8619

Particle Production  
293 Kelvin Cross Sections

86-Rn-209



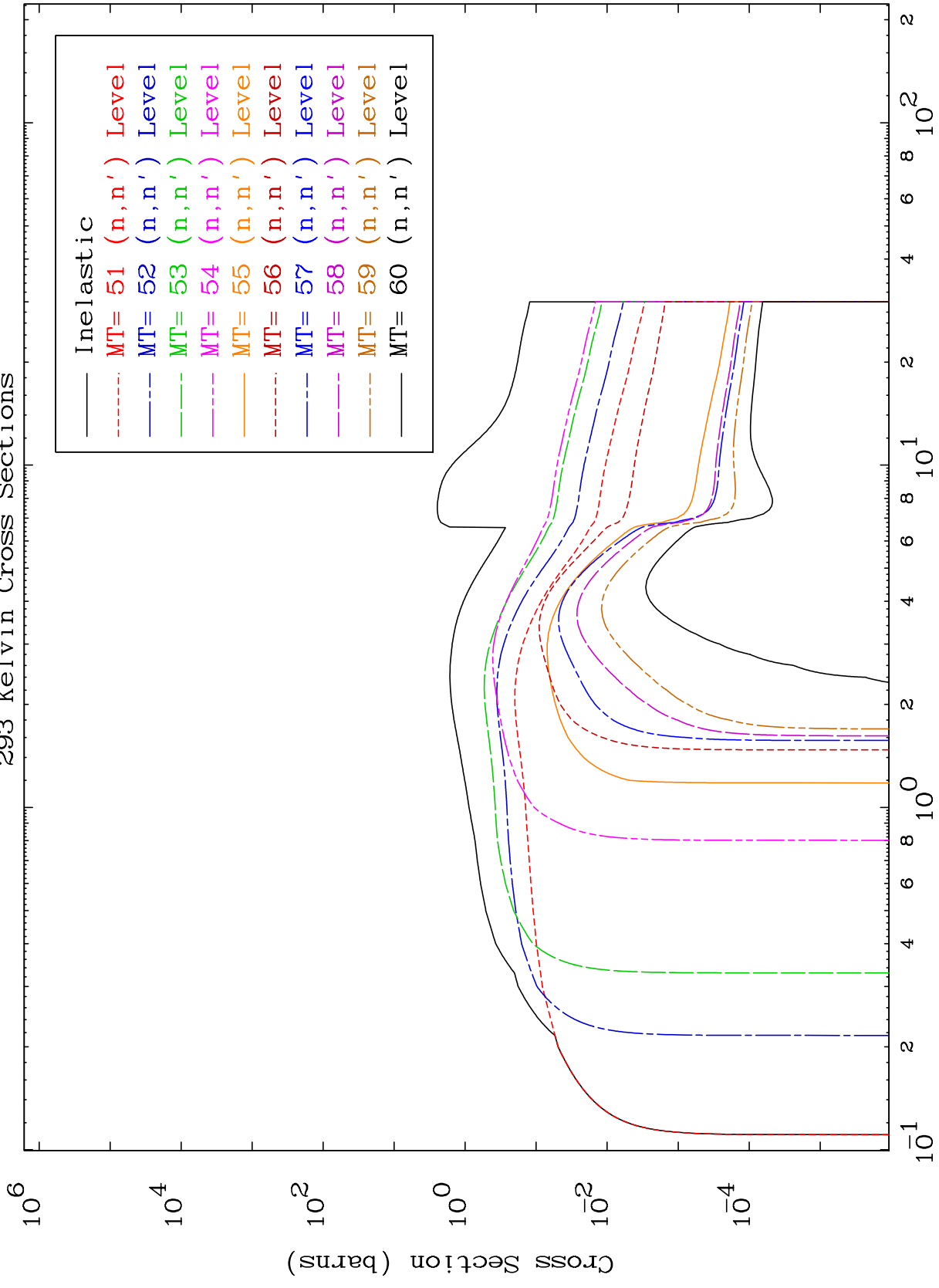
86-Rn-209

MAT 8619

(n,n') Level

86-Rn-209

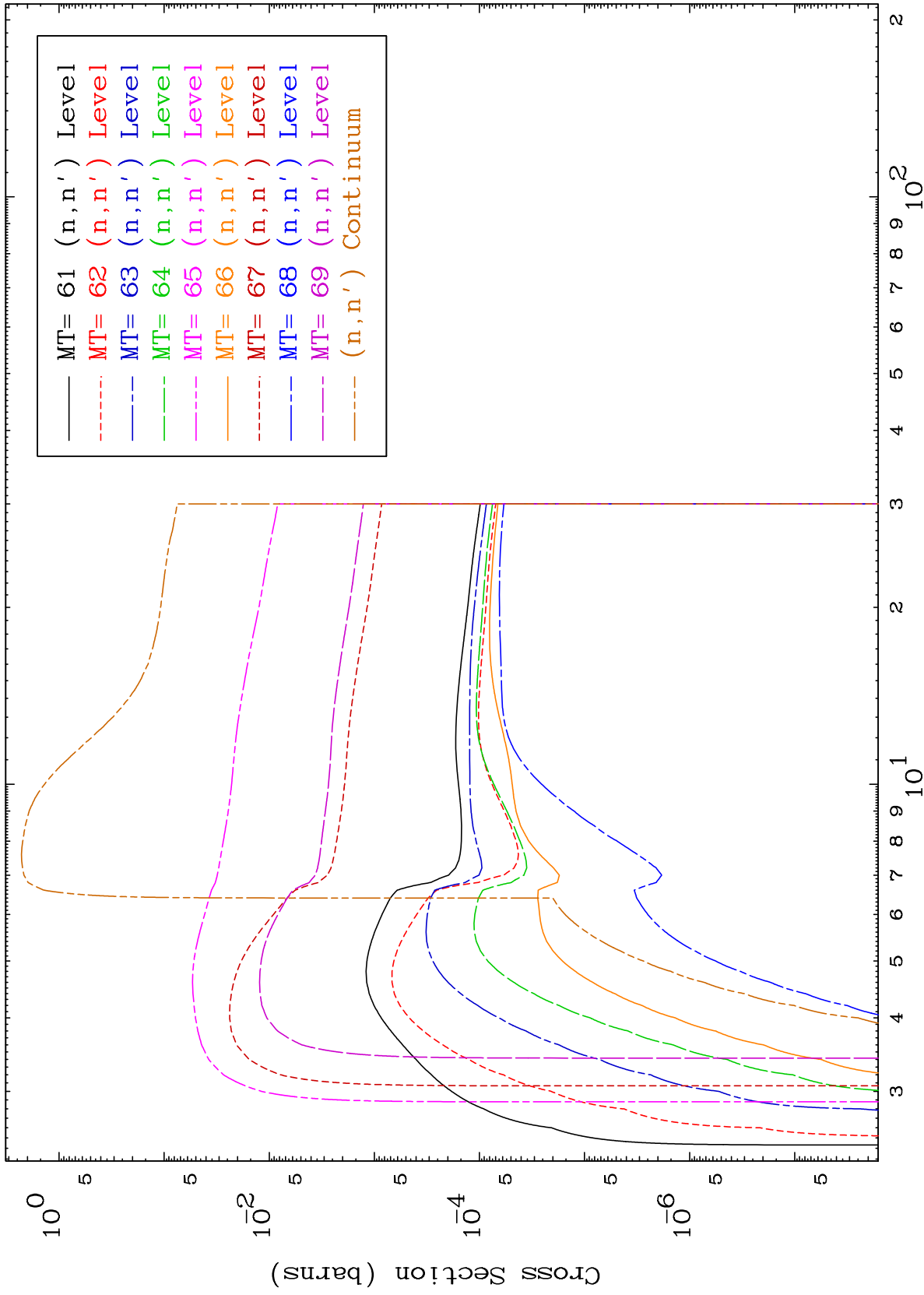
293 Kelvin Cross Sections

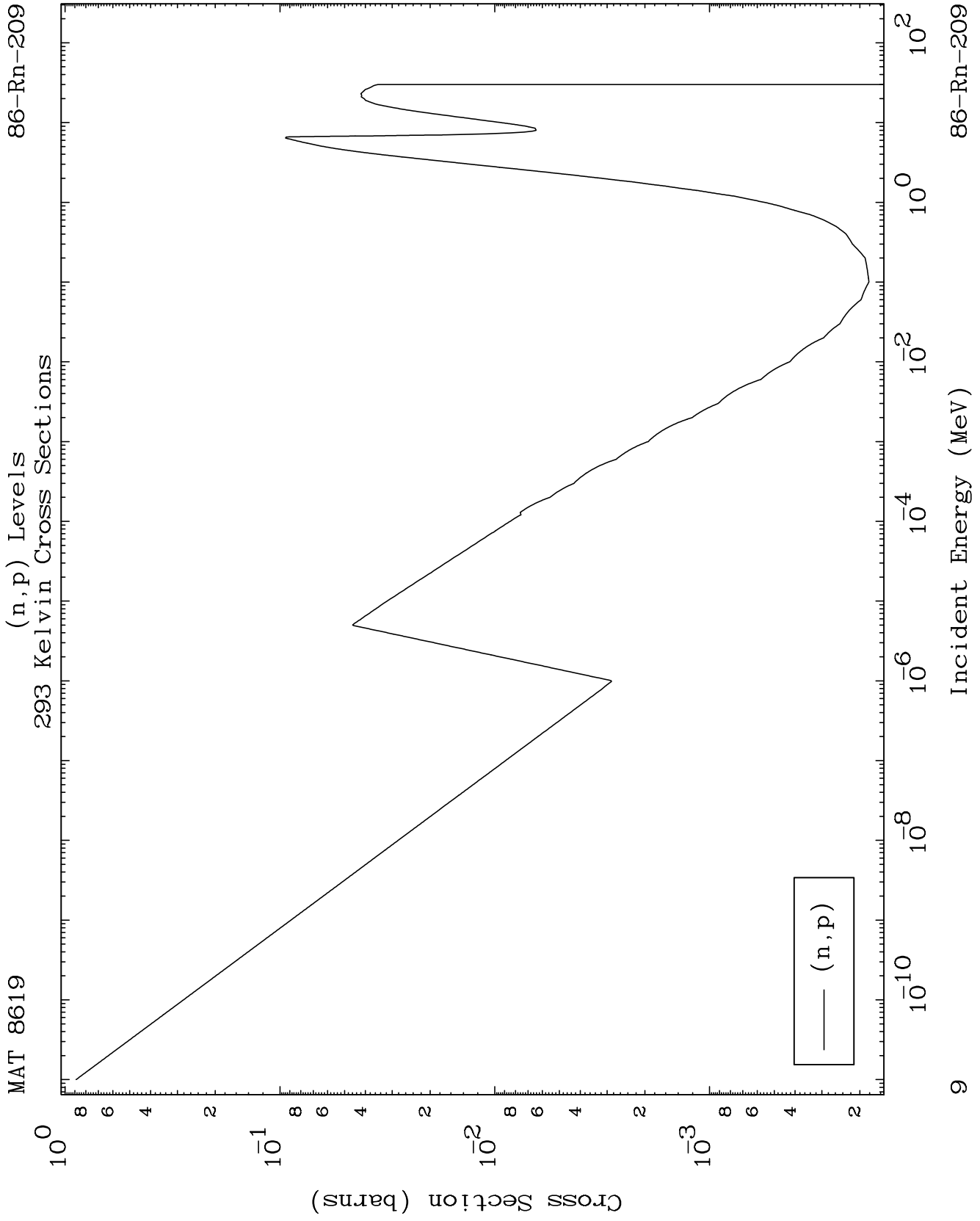


Incident Energy (MeV)

86-Rn-209



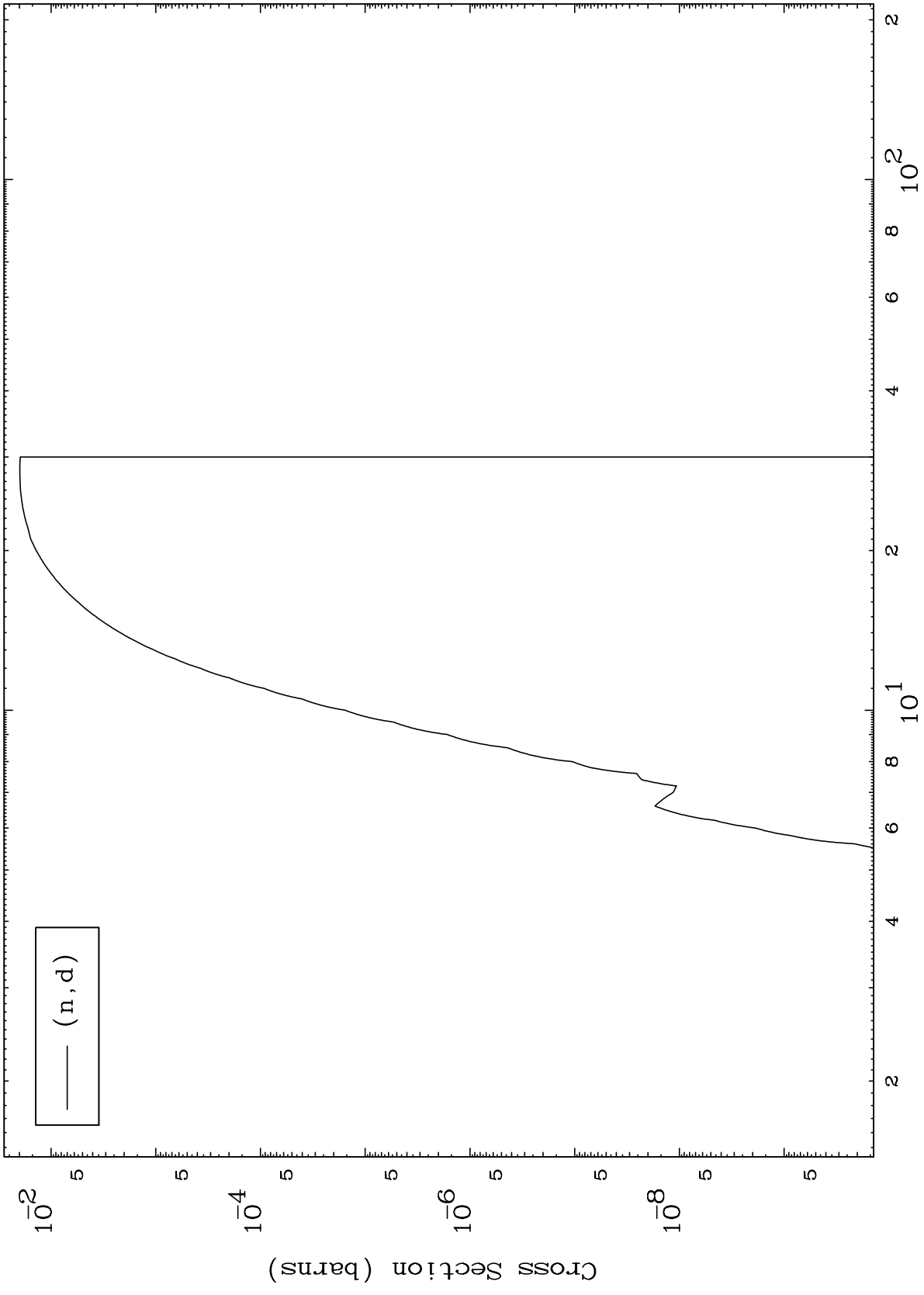




MAT 8619

(n,d) Levels  
293 Kelvin Cross Sections

86-Rn-209



10

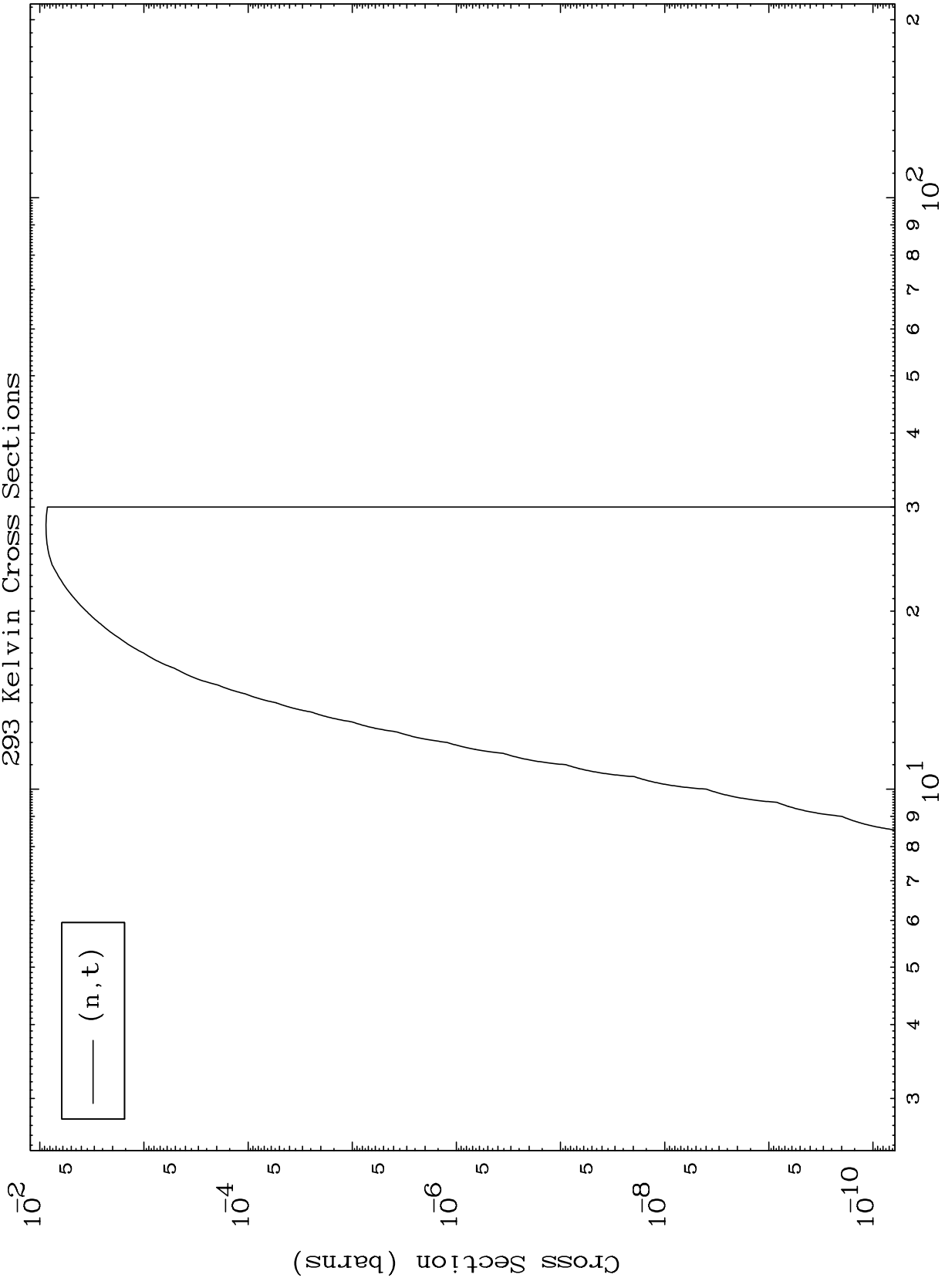
Incident Energy (MeV)

86-Rn-209

MAT 8619

86-Rn-209

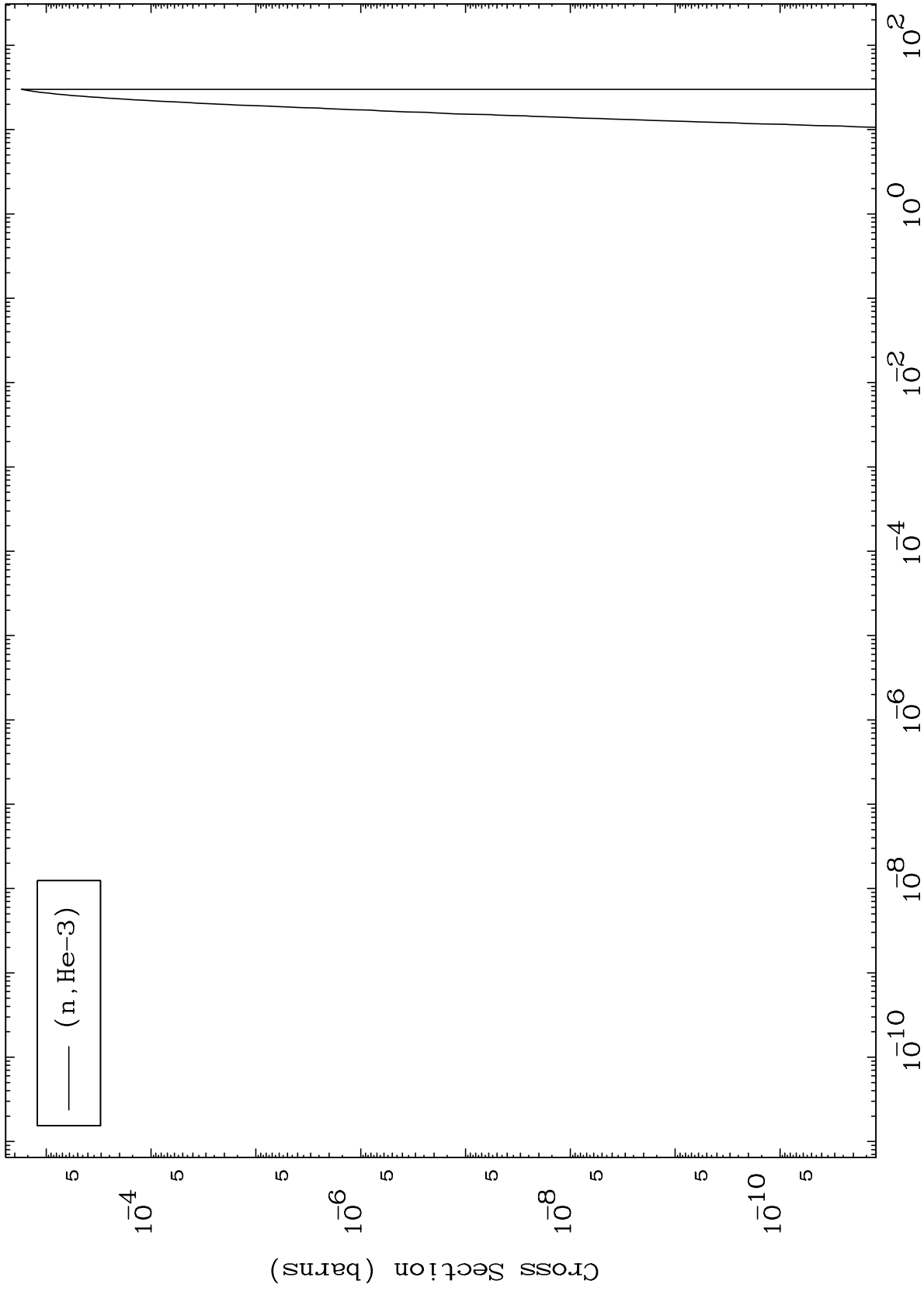
(n,t) Levels  
293 Kelvin Cross Sections



MAT 8619

(n,He3) Levels  
293 Kelvin Cross Sections

86-Rn-209



12

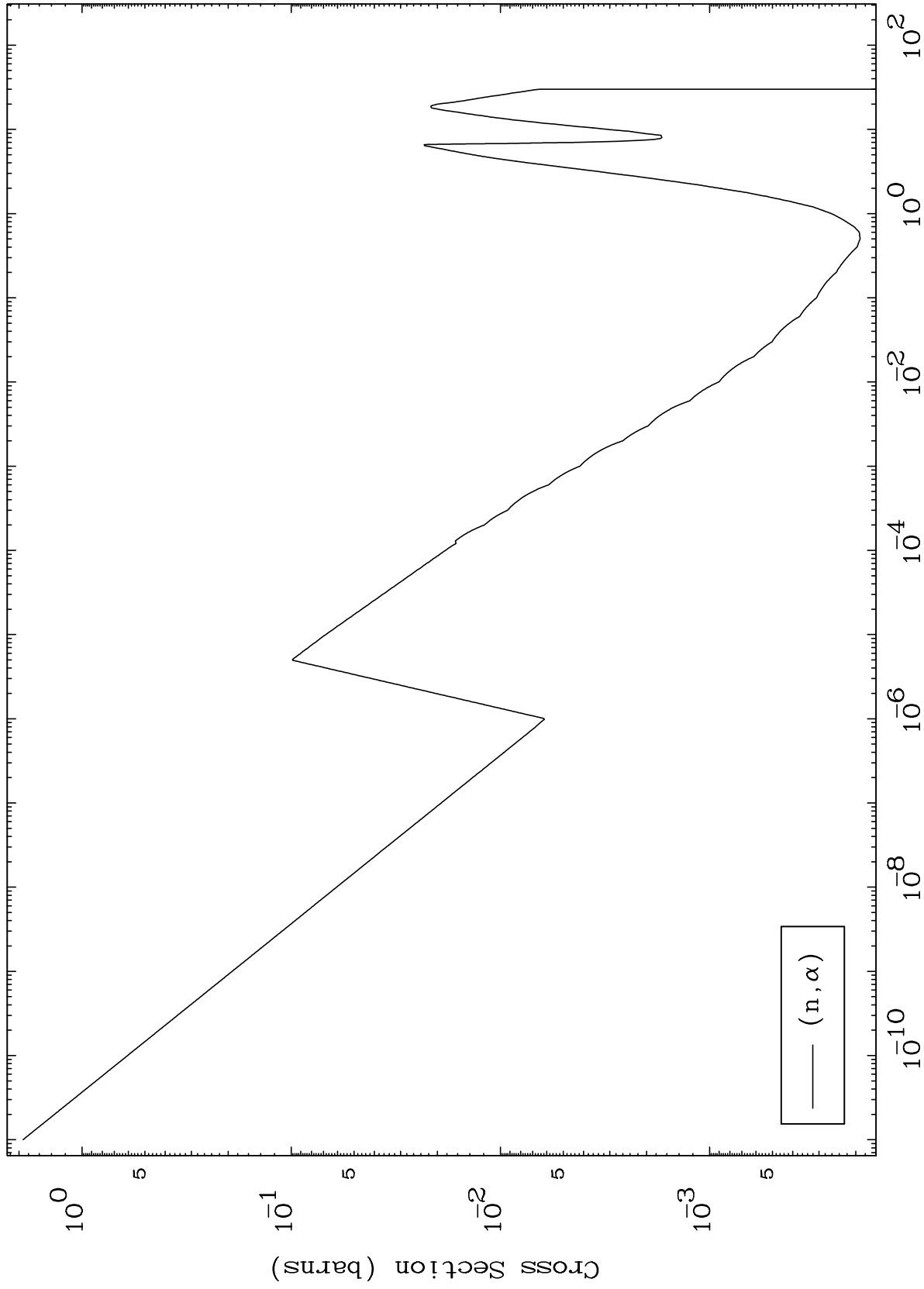
Incident Energy (MeV)

86-Rn-209

MAT 8619

(n,α) Levels  
293 Kelvin Cross Sections

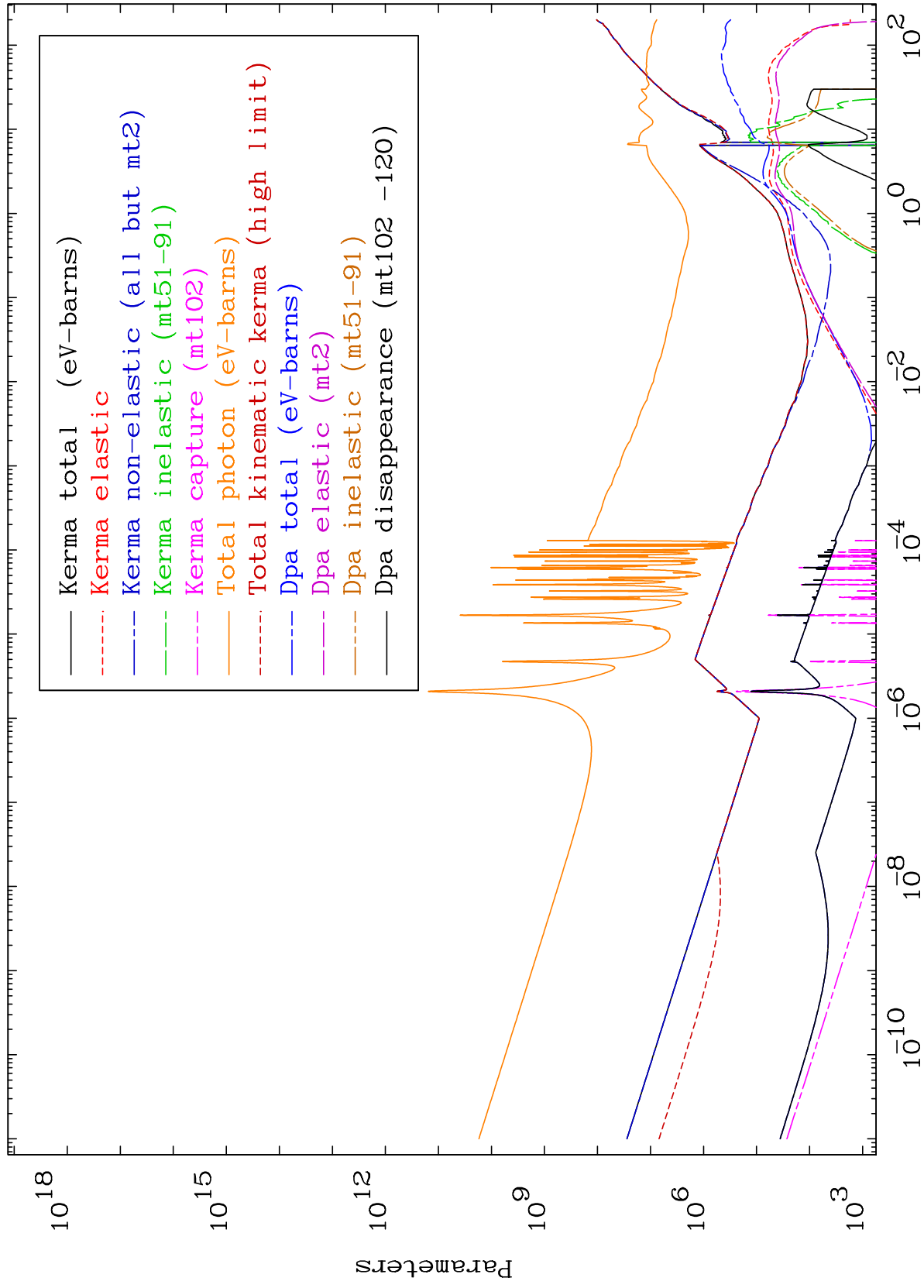
86-Rn-209



13

Incident Energy (MeV)

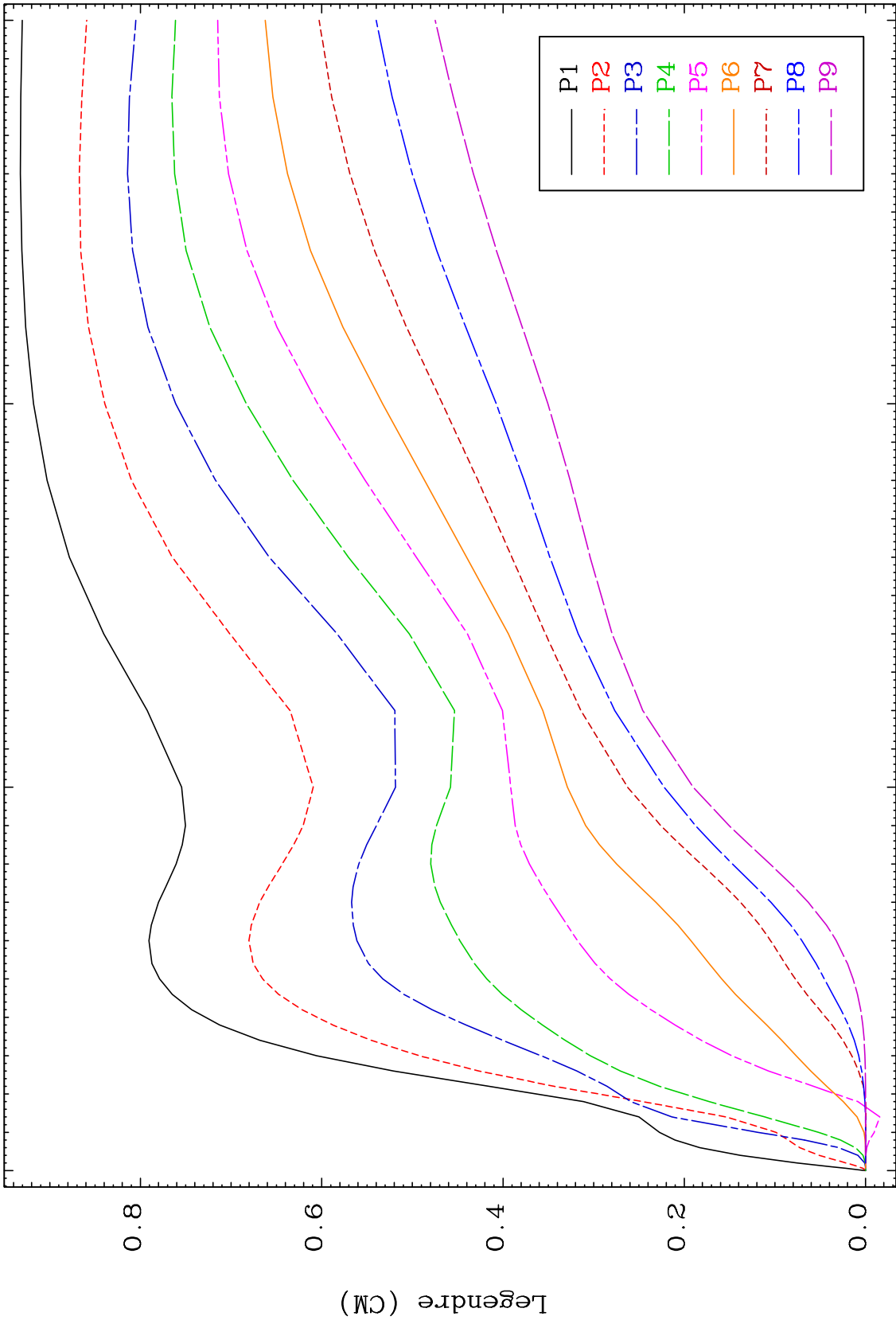
86-Rn-209



MAT 8619

86-Rn-209

Elastic Legendre Coefficients



0

15

10

20

30

Incident Energy (MeV)

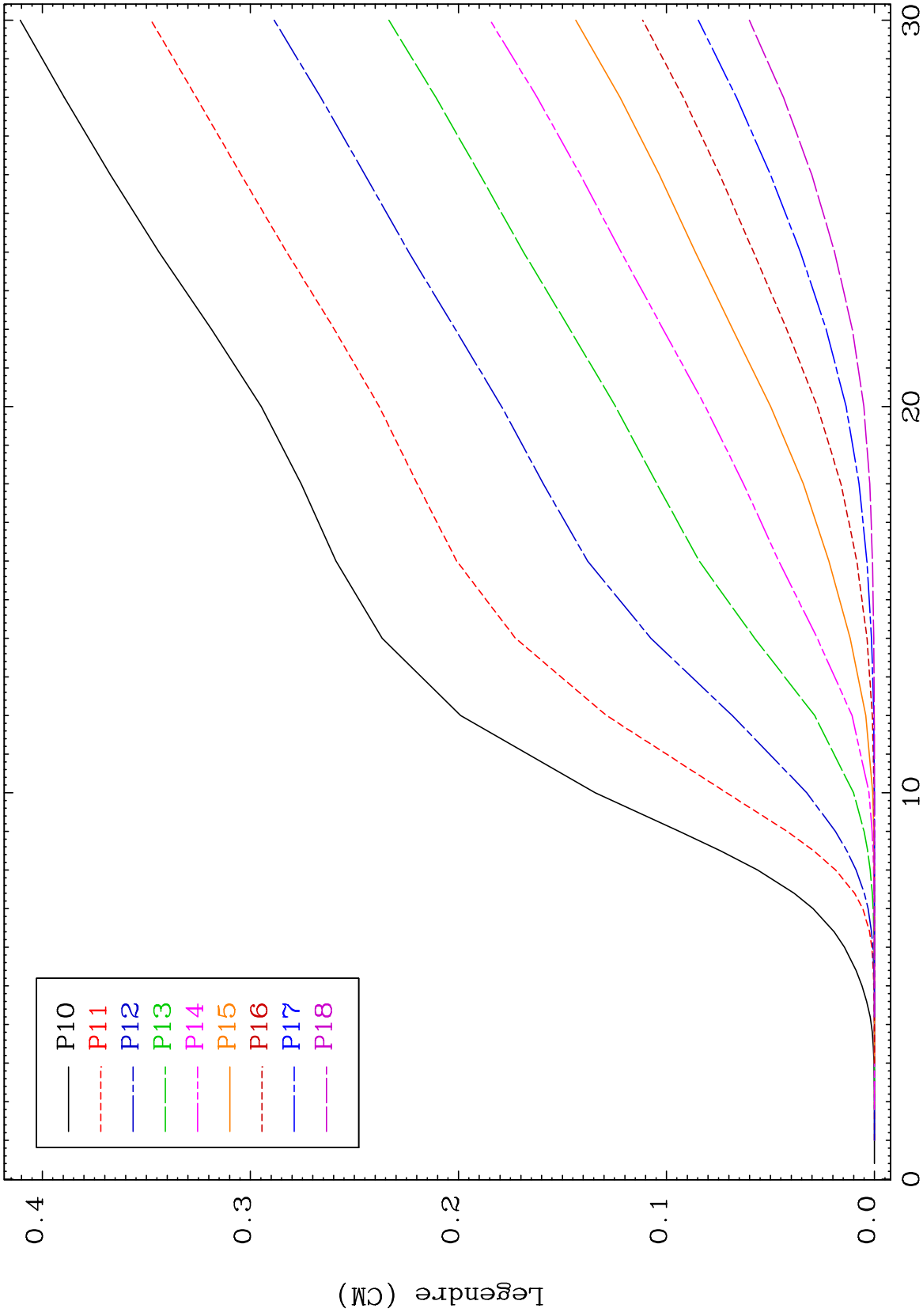
86-Rn-209



MAT 8619

Elastic Legendre Coefficients

86-Rn-209



16

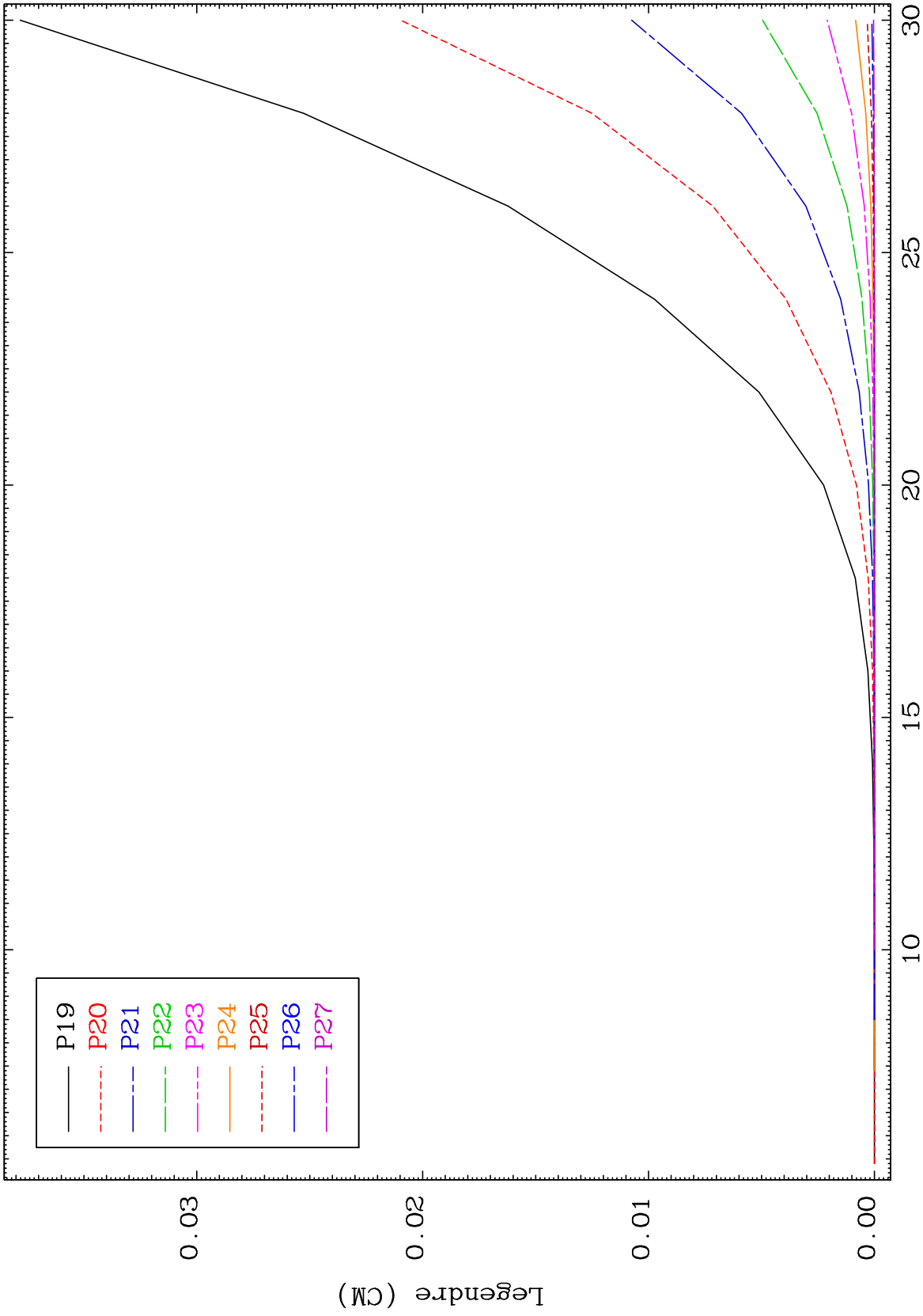
Incident Energy (MeV)

86-Rn-209

MAT 8619

### Elastic Legendre Coefficients

86-Rn-209



17

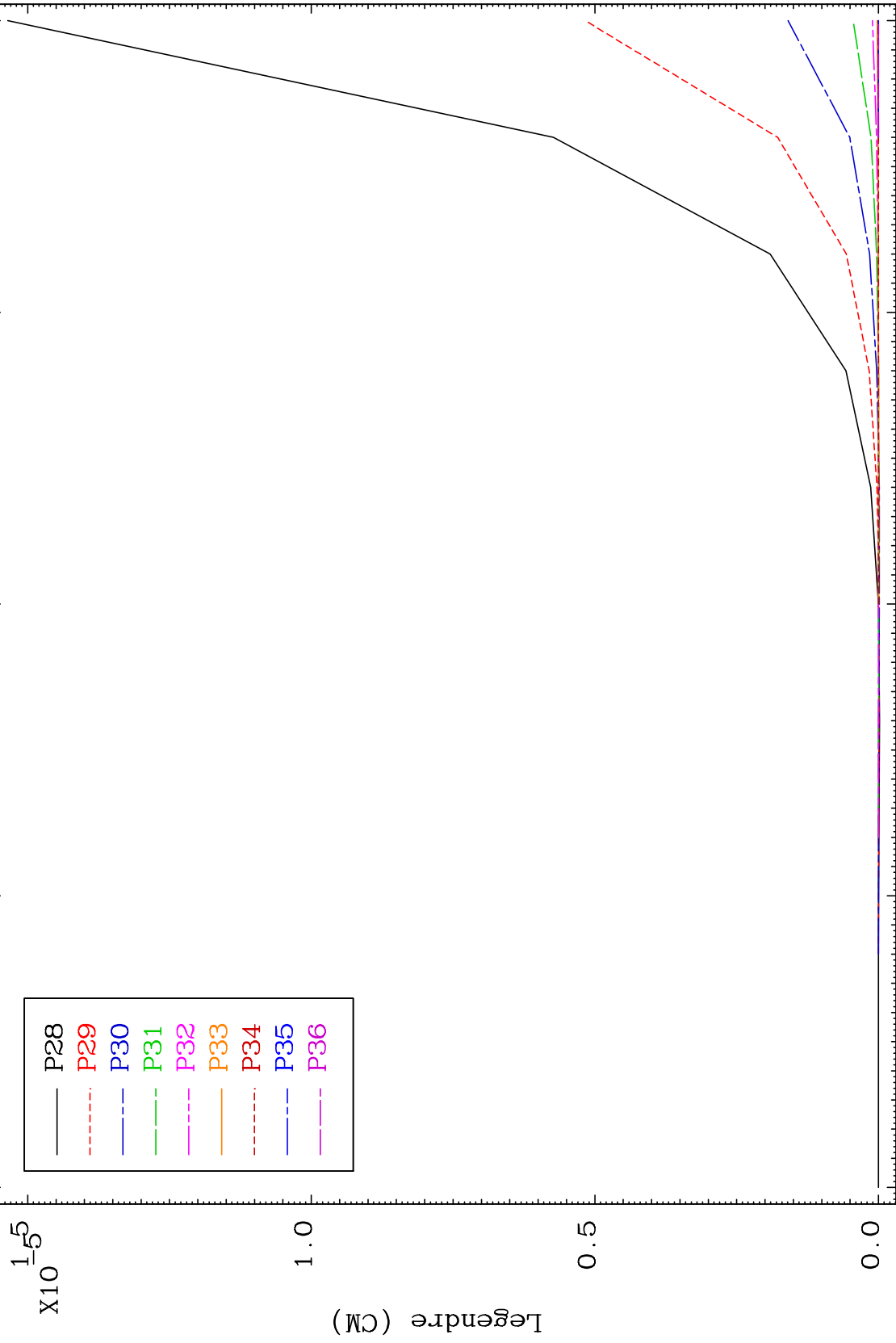
Incident Energy (MeV)

86-Rn-209

MAT 8619

Elastic Legendre Coefficients

86-Rn-209



18

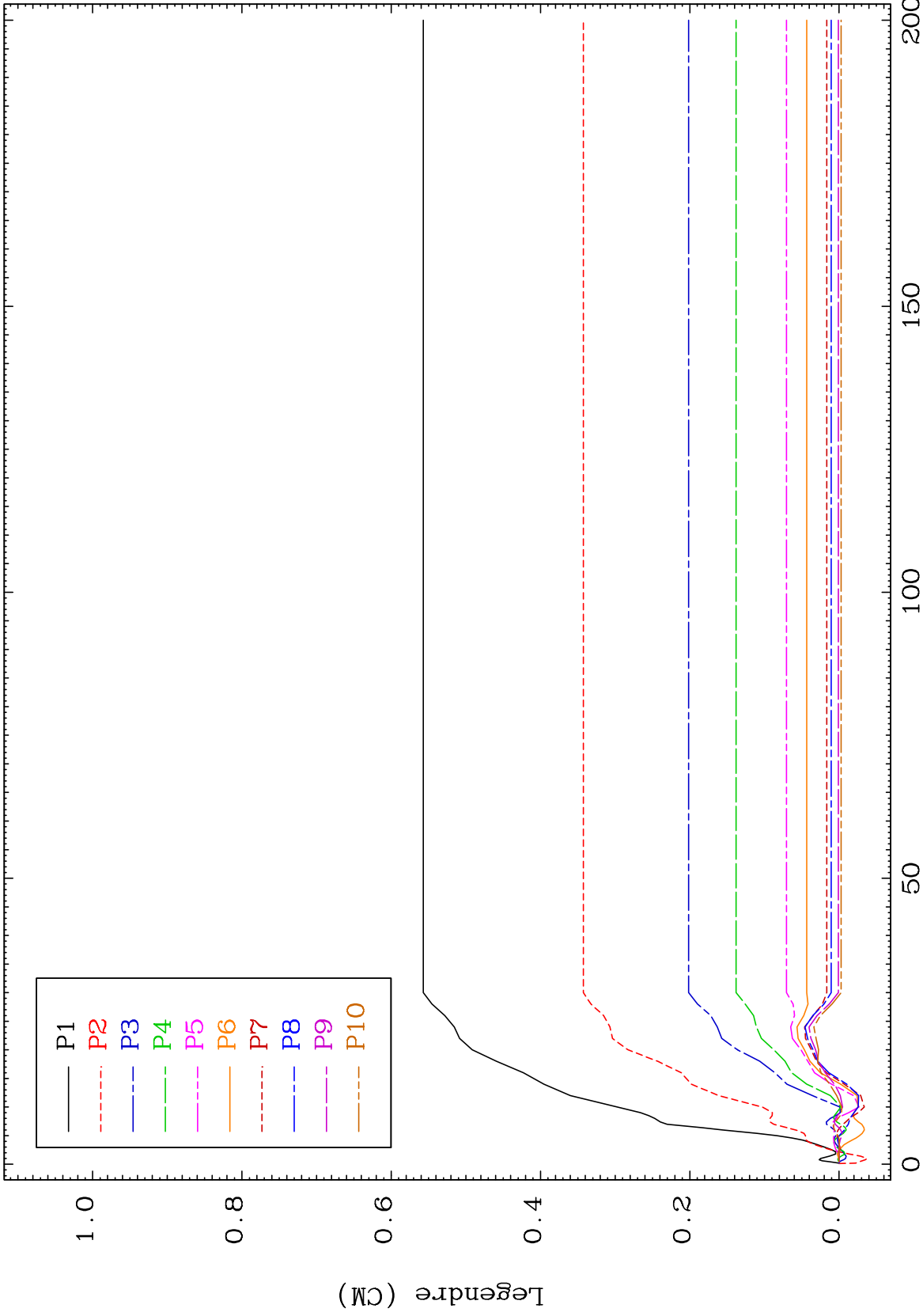
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



19

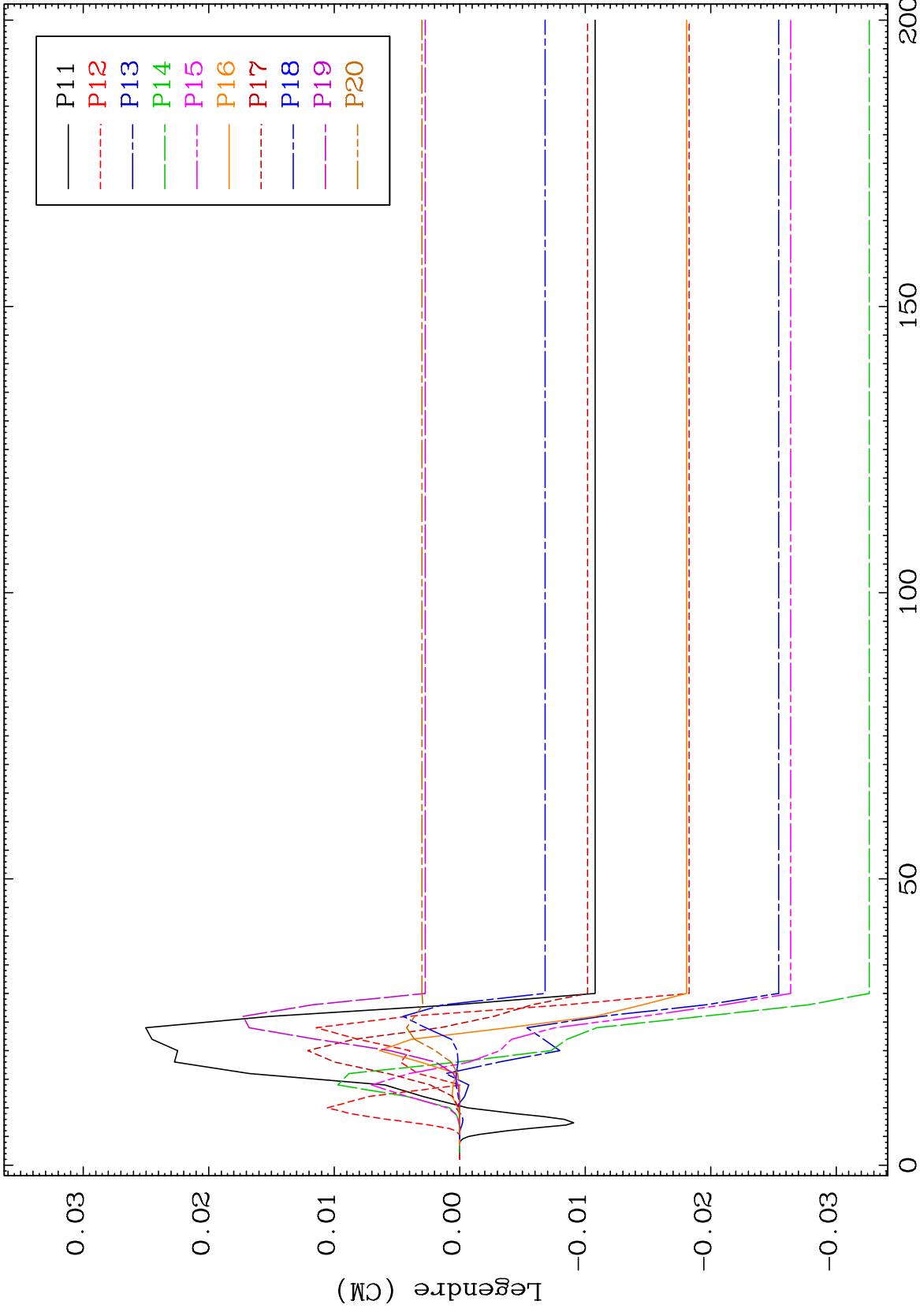
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



20

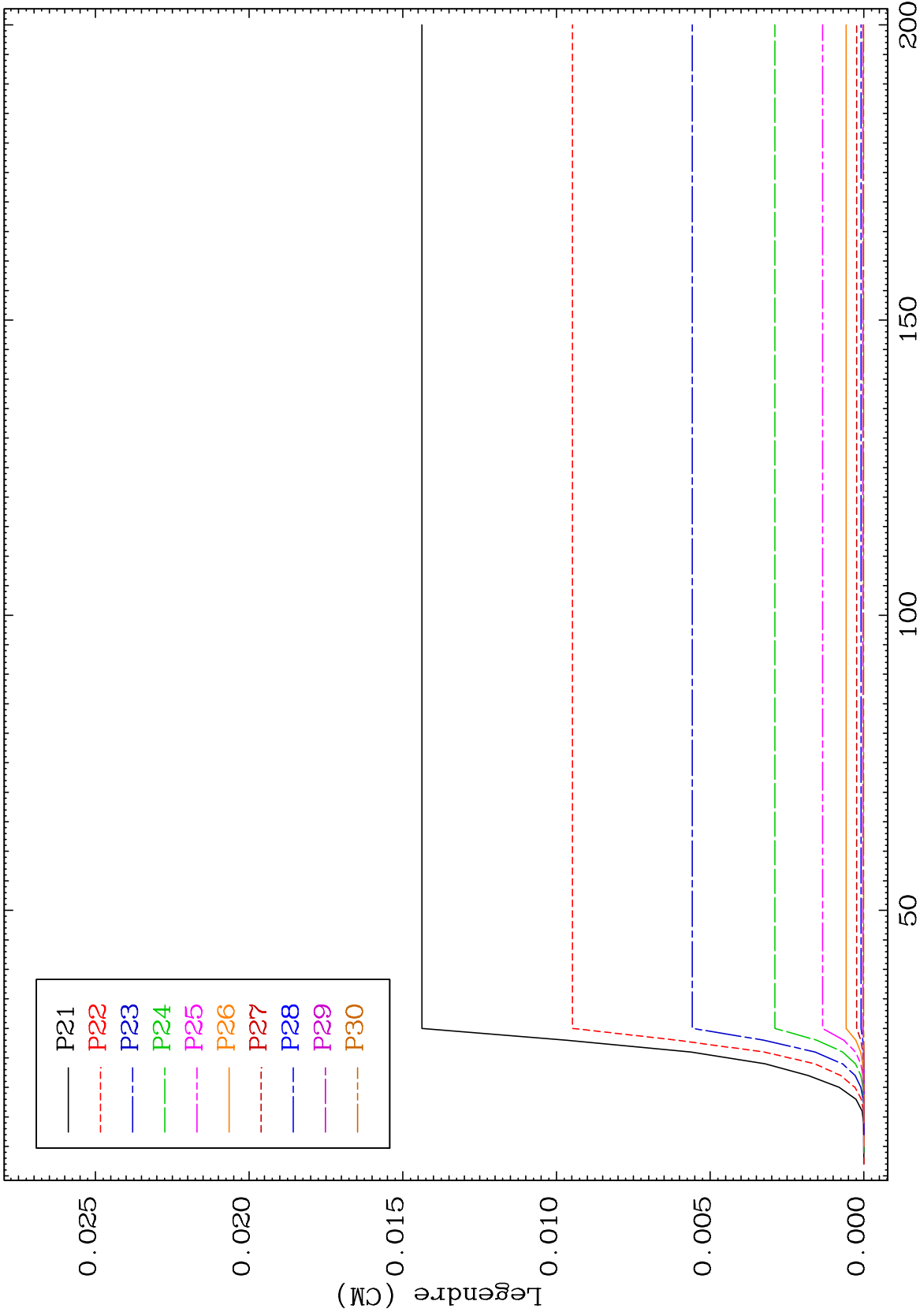
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



21

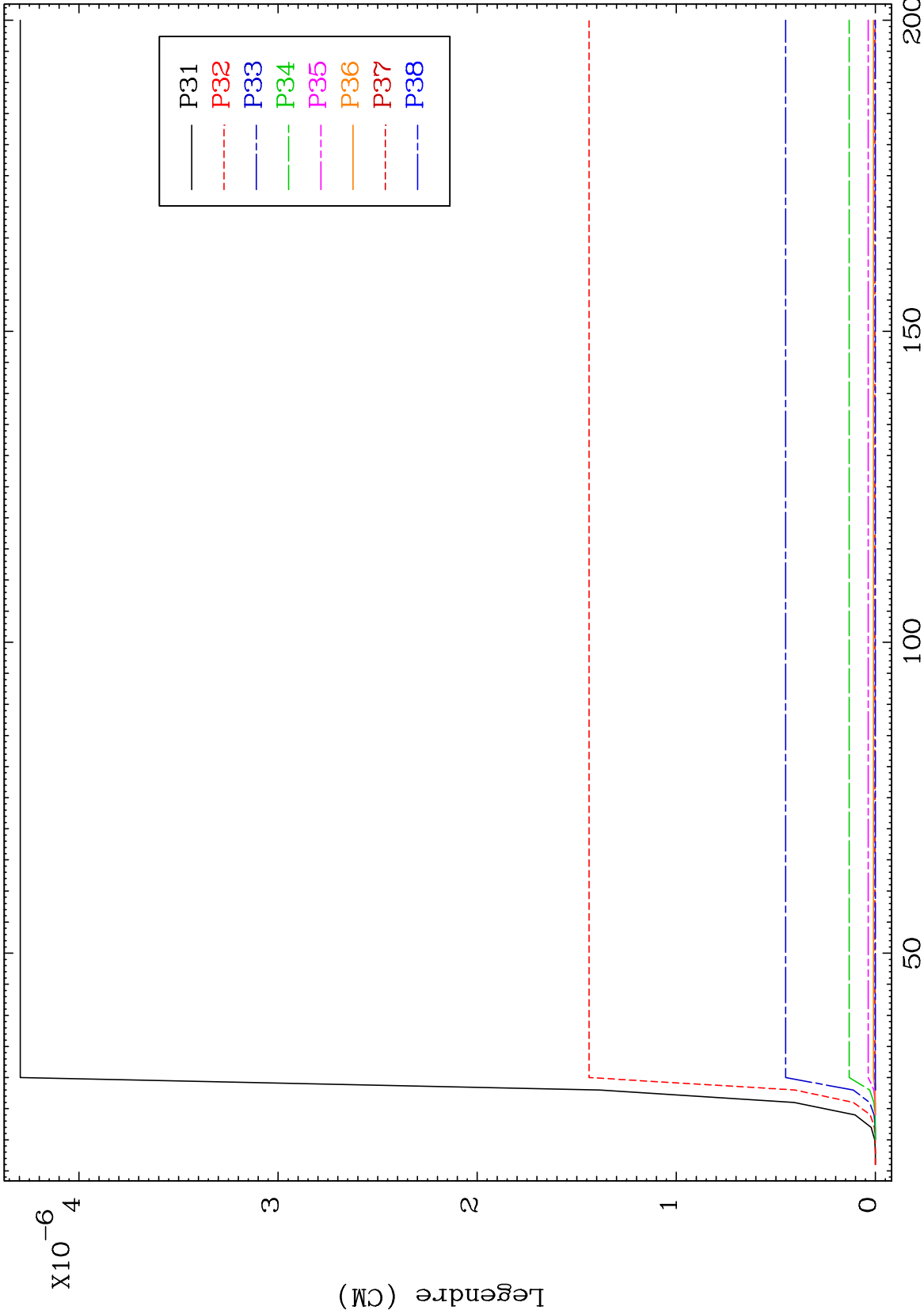
86-Rn-209

86-Rn-209

MAT 8619

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

86-Rn-209



22

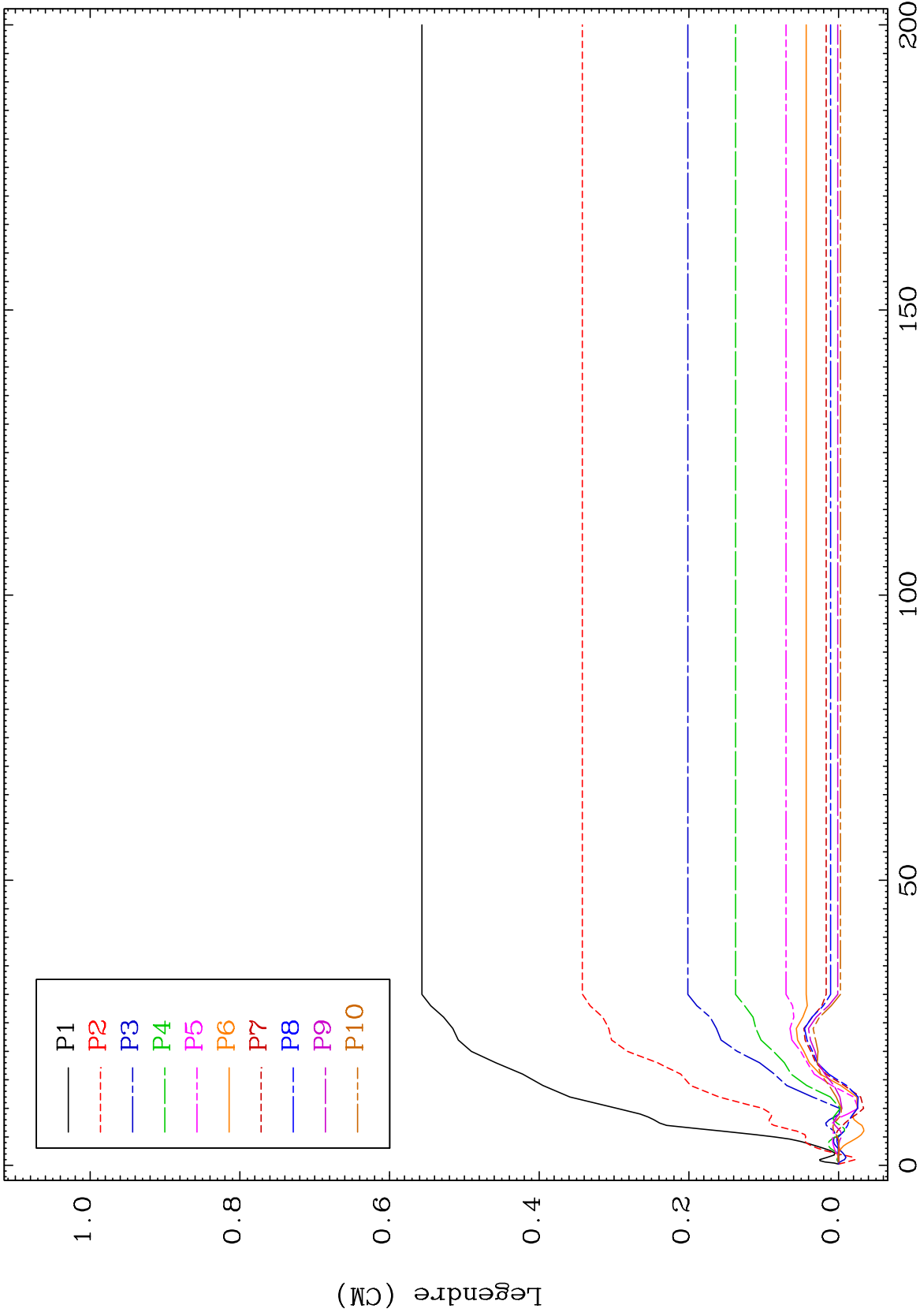
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



23

Incident Energy (MeV)

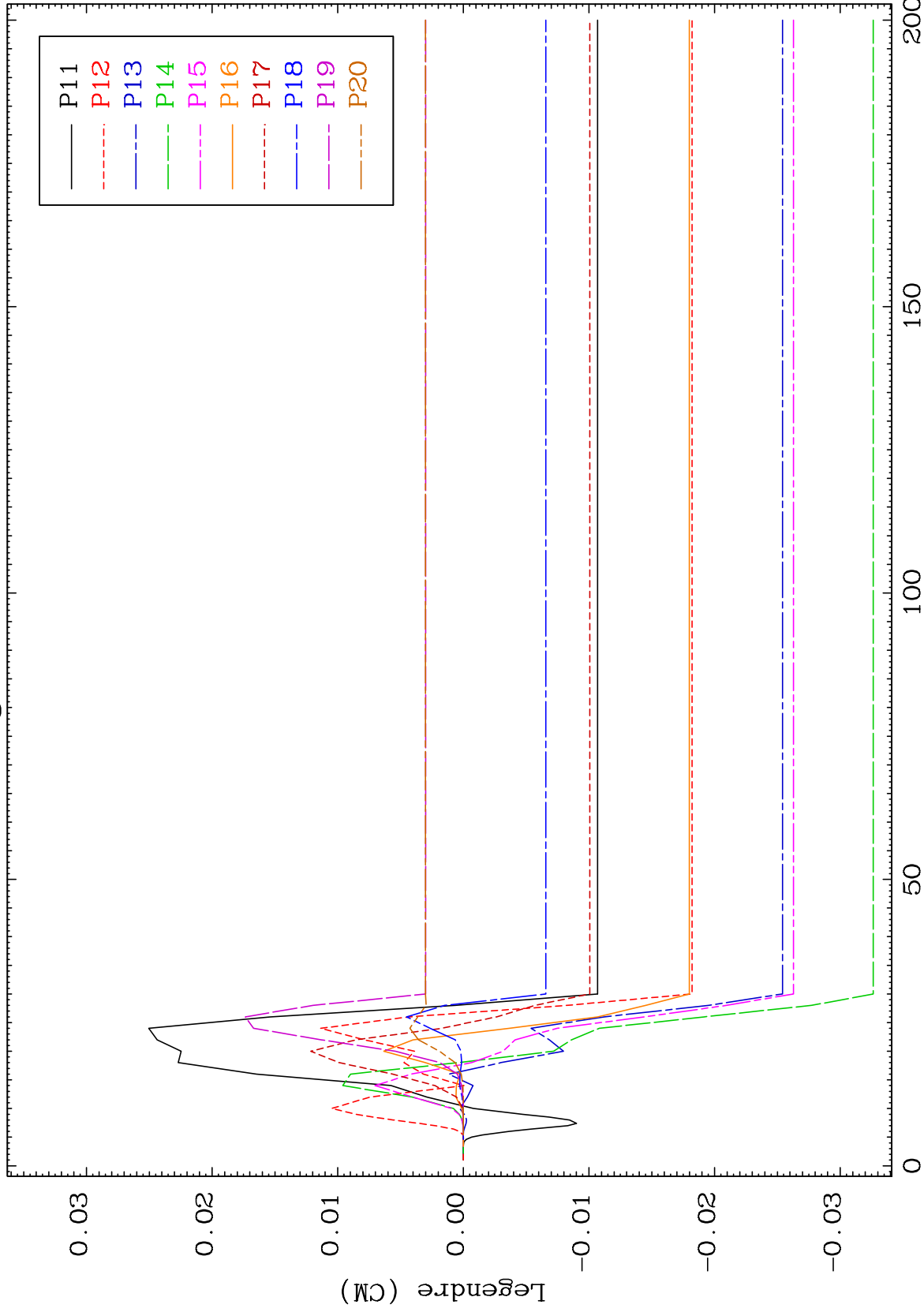
86-Rn-209



MAT 8619

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

86-Rn-209



24

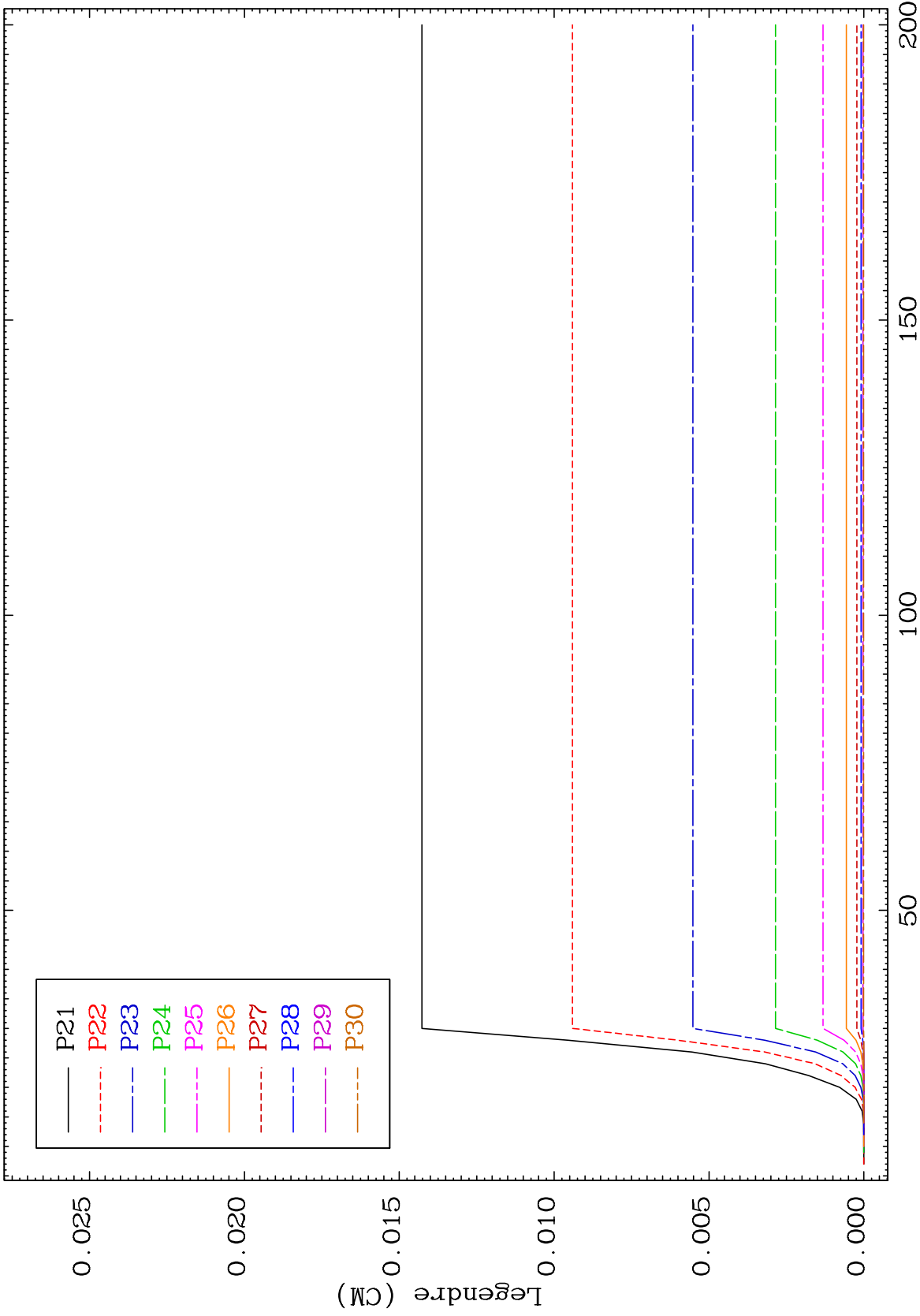
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



25

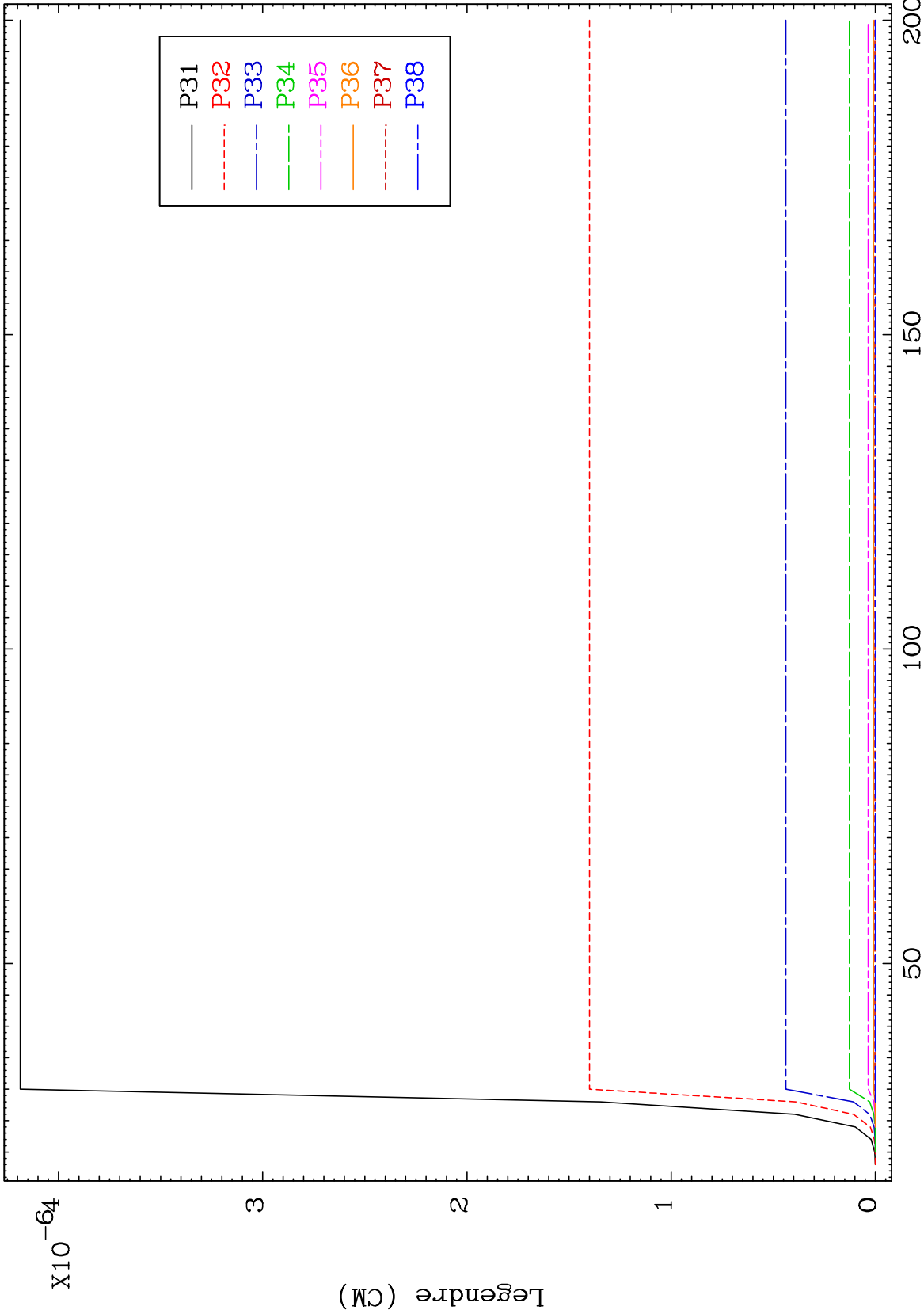
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



26

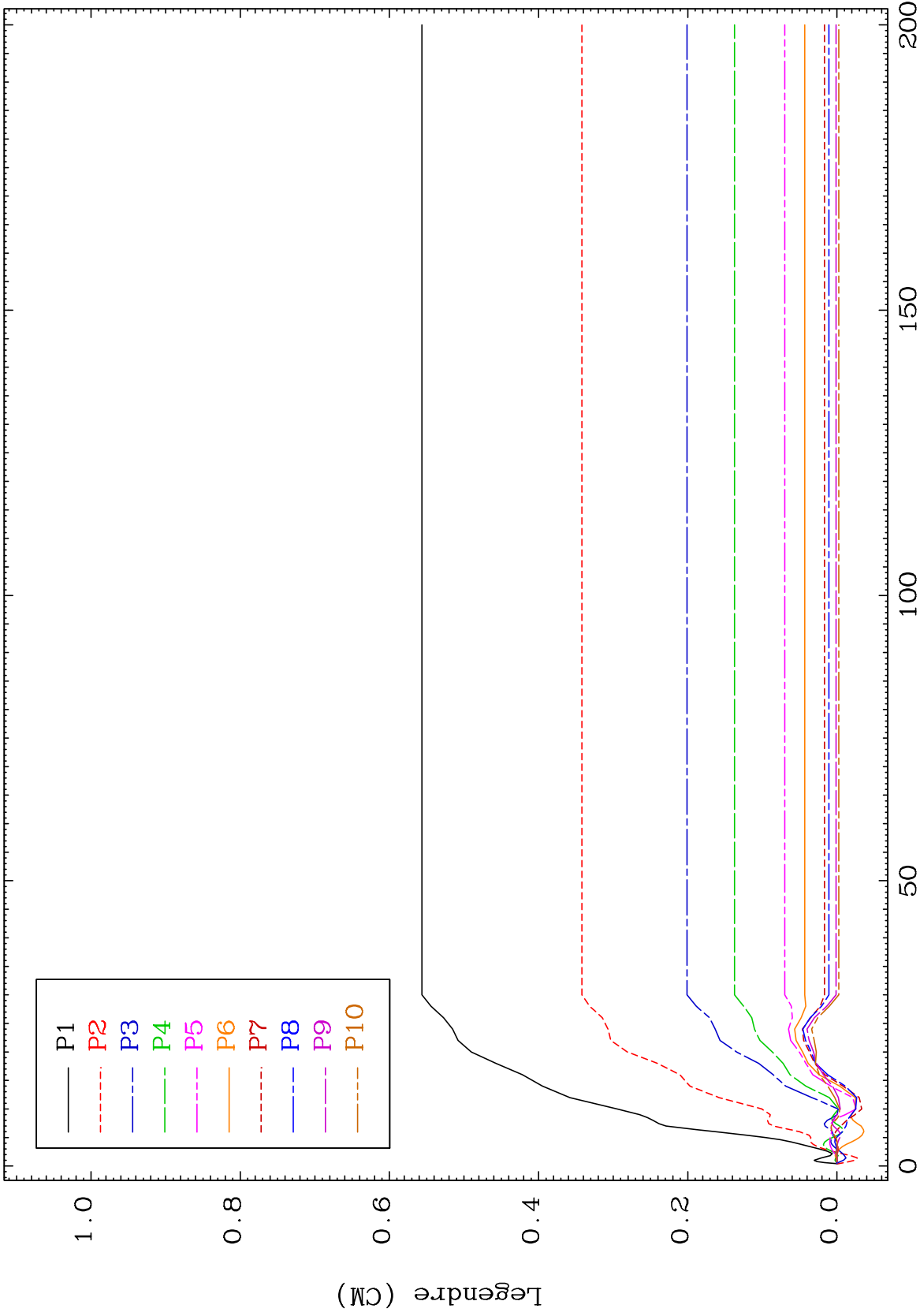
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



27

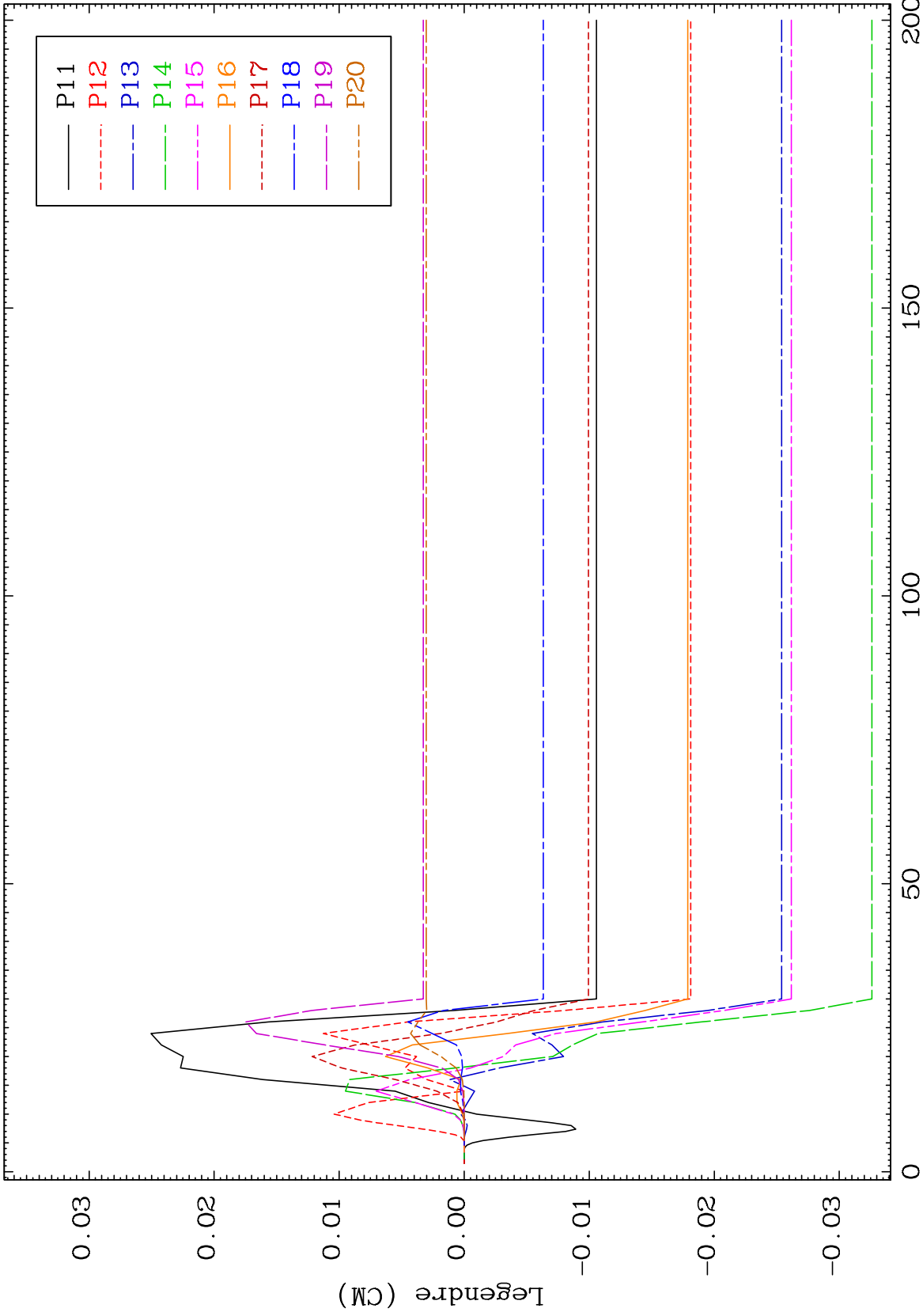
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

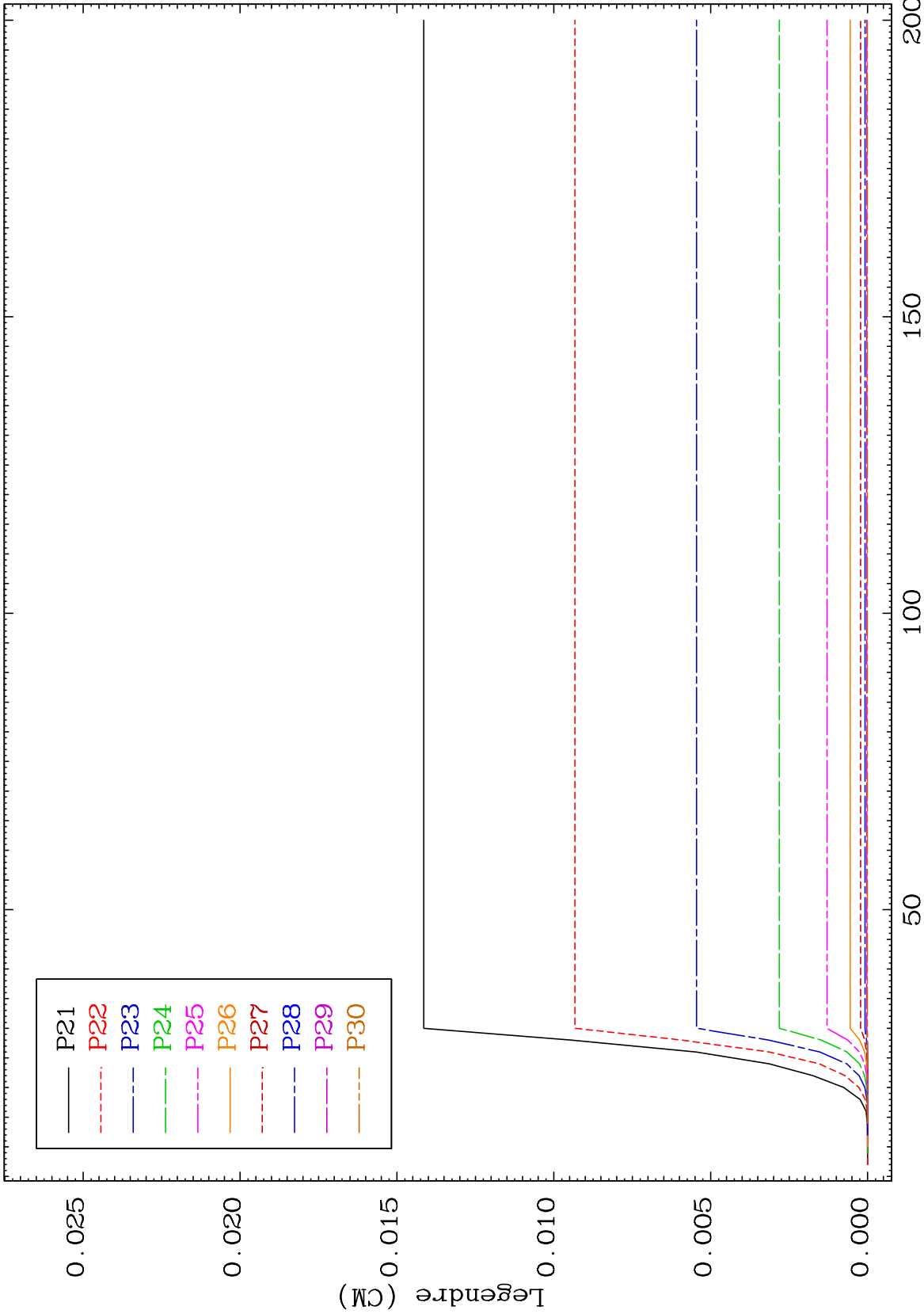
86-Rn-209



28

Incident Energy (MeV)

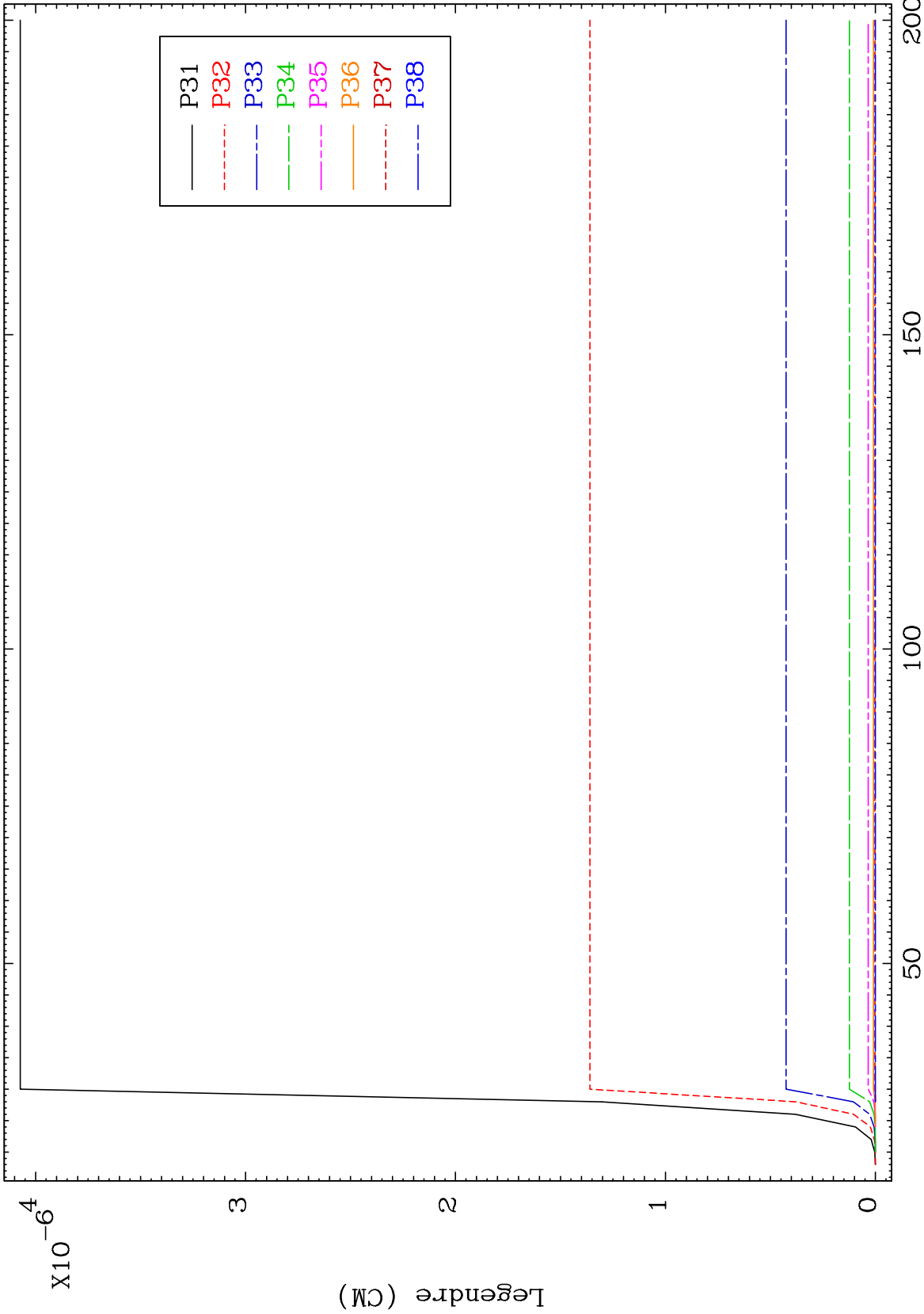
86-Rn-209



MAT 8619

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

86-Rn-209



30

Incident Energy (MeV)

150

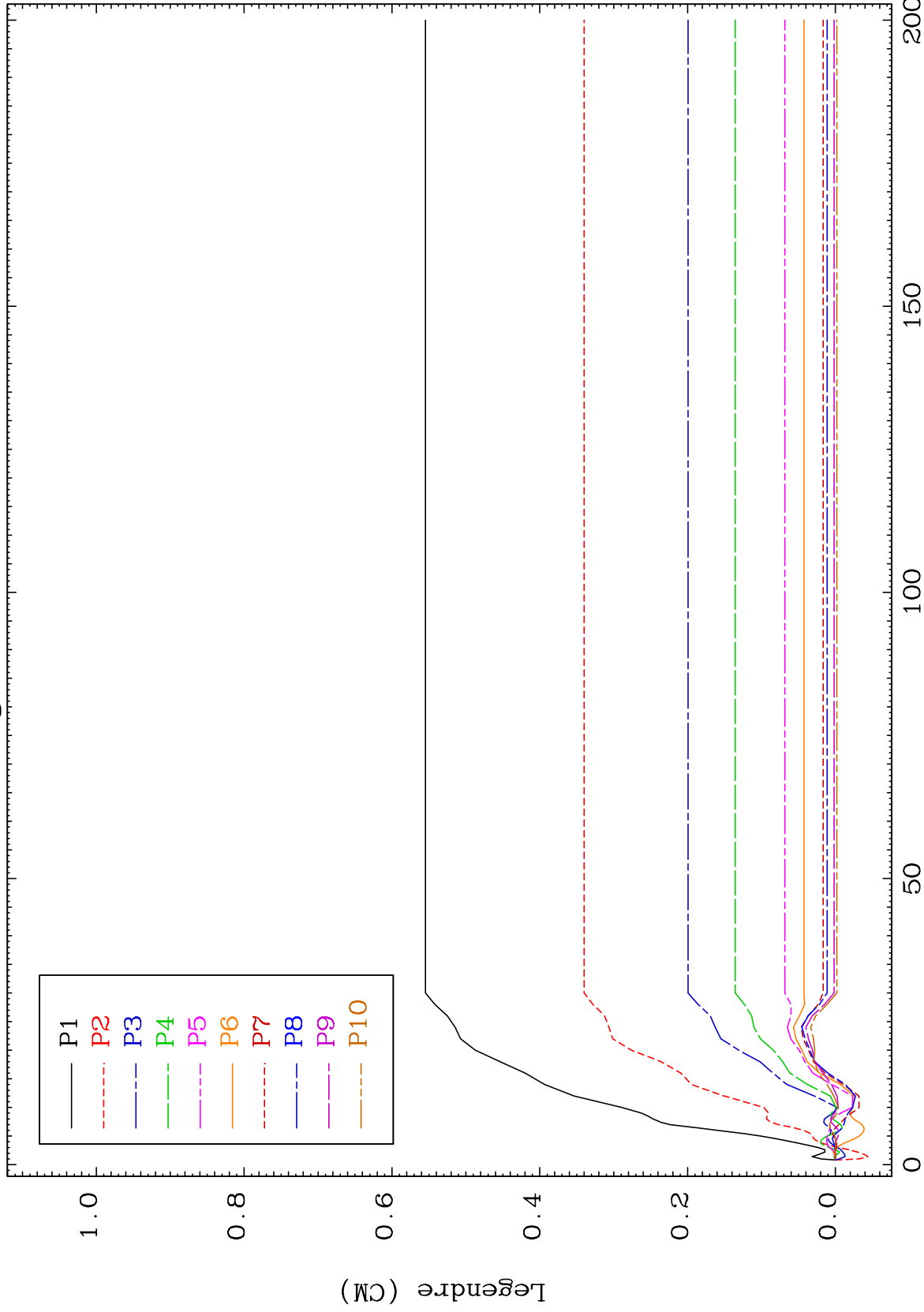
200

86-Rn-209

MAT 8619

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

86-Rn-209



31

Incident Energy (MeV)

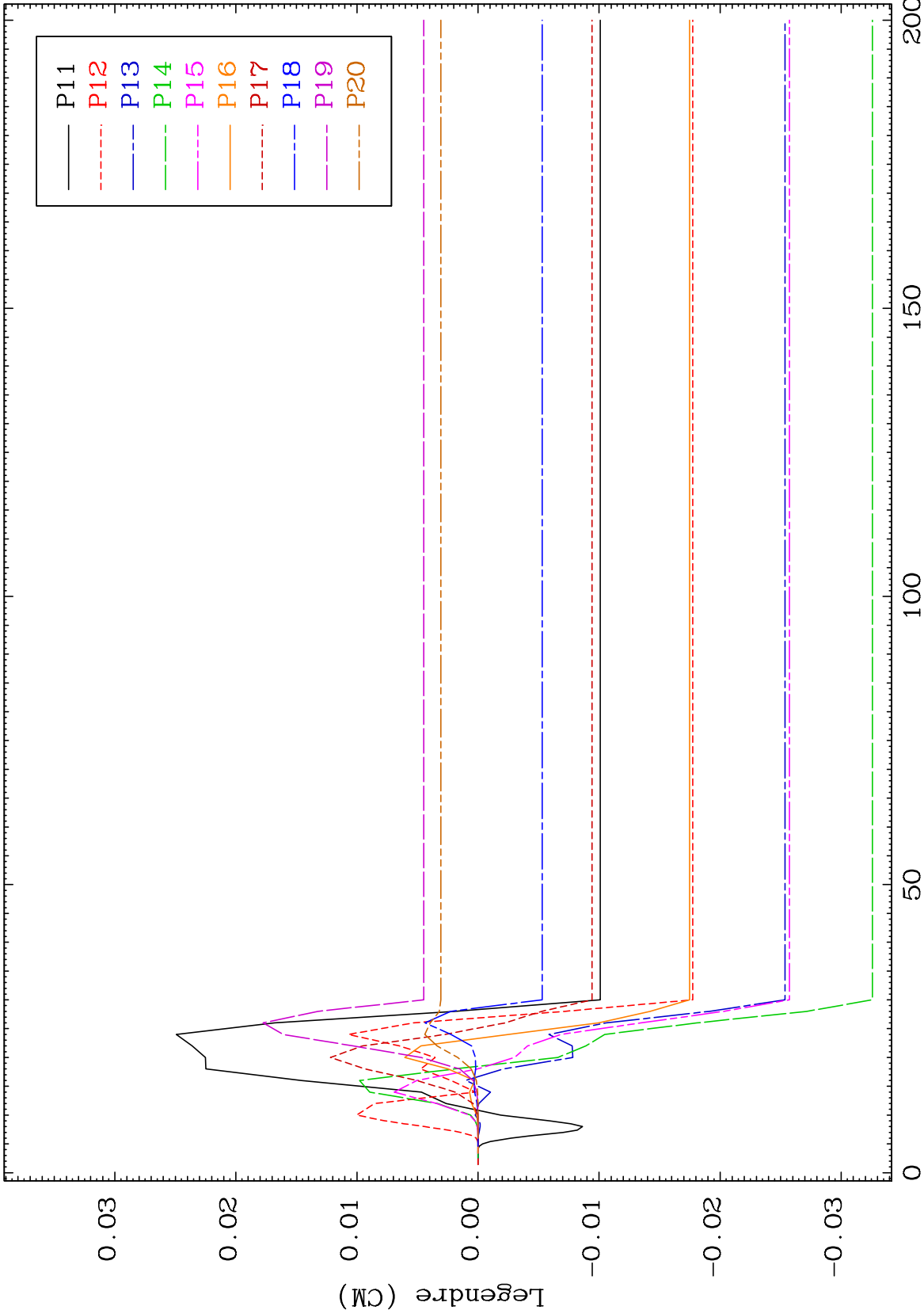
86-Rn-209



MAT 8619

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

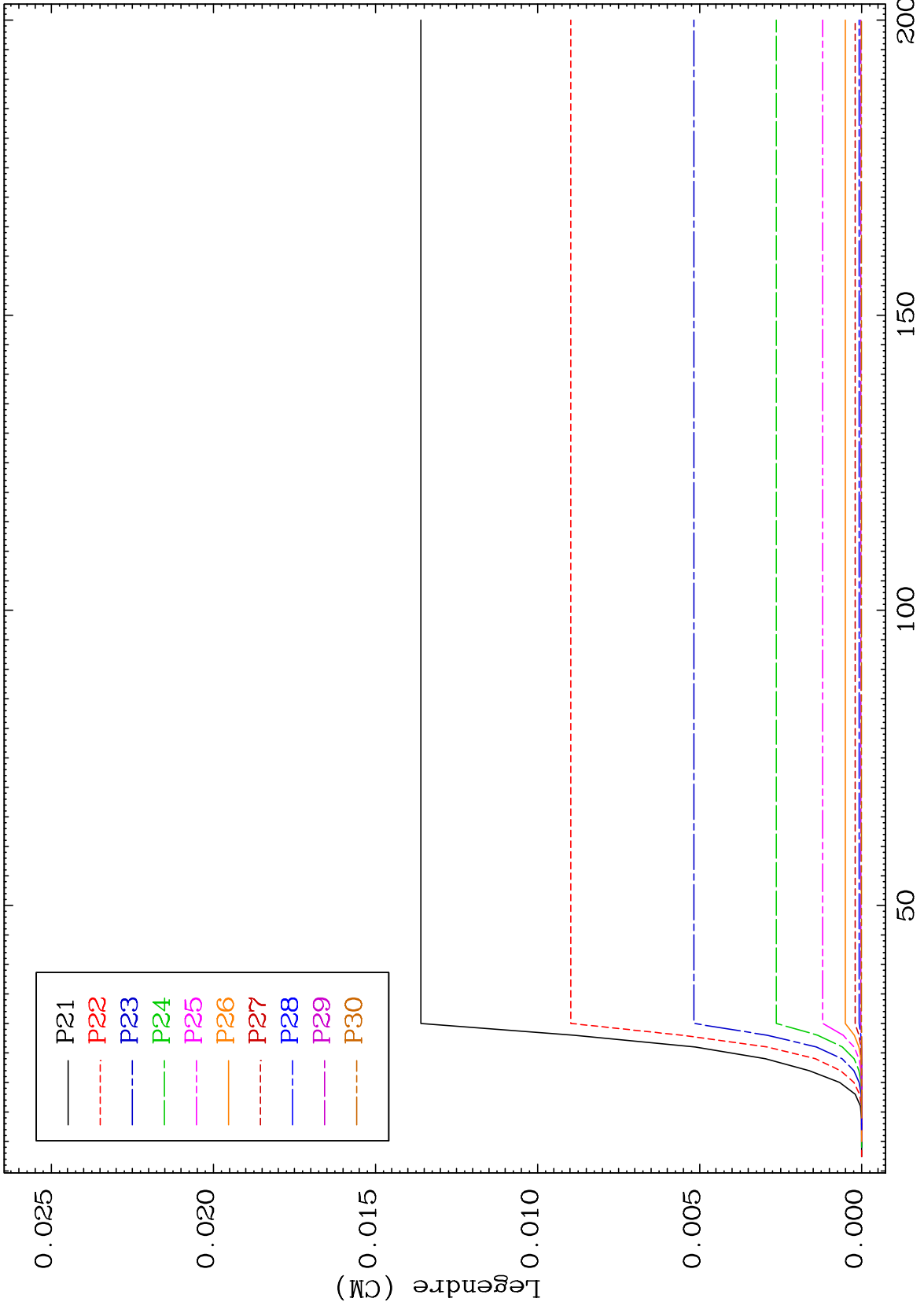
86-Rn-209



32

Incident Energy (MeV)

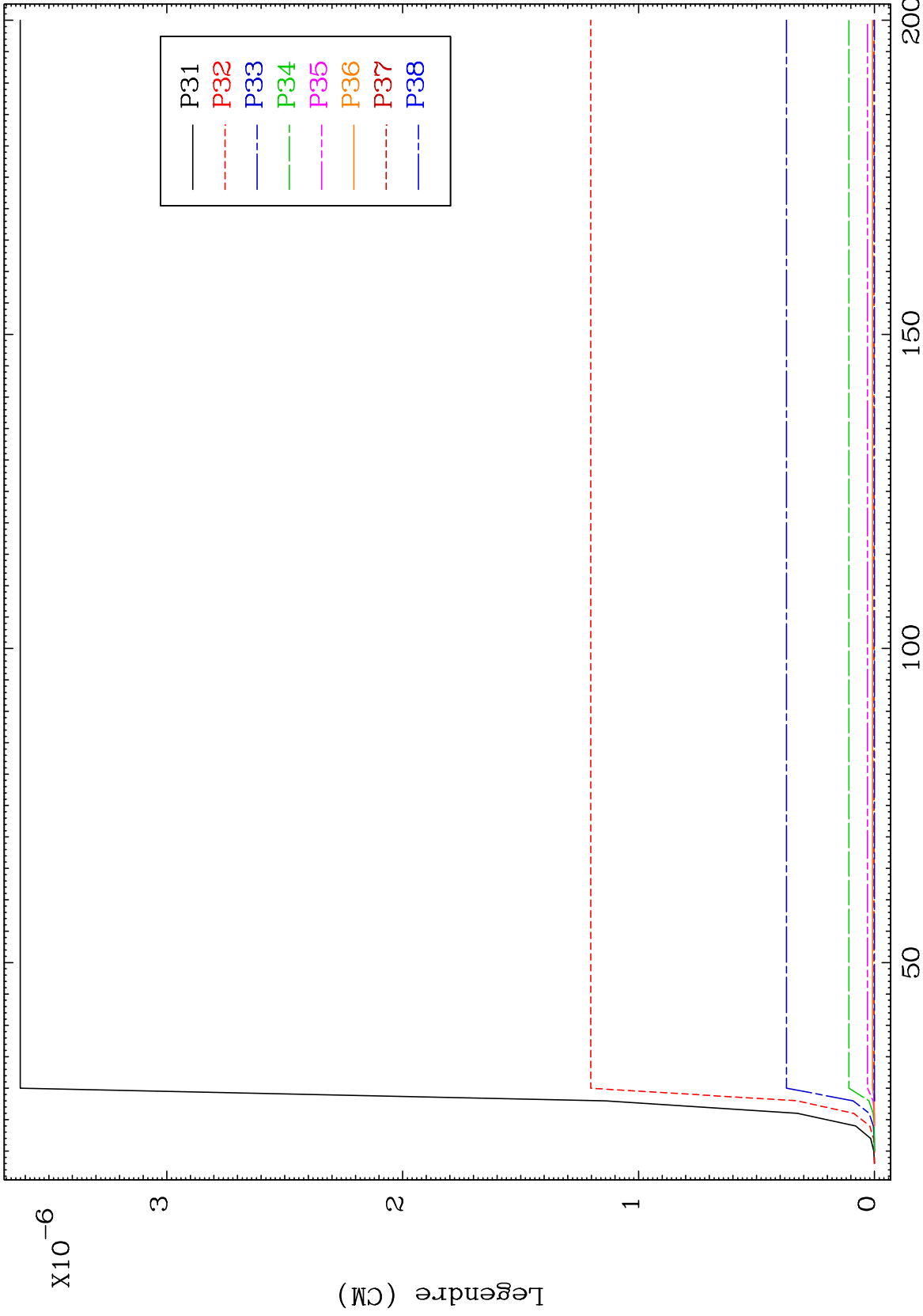
86-Rn-209



MAT 8619

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

86-Rn-209

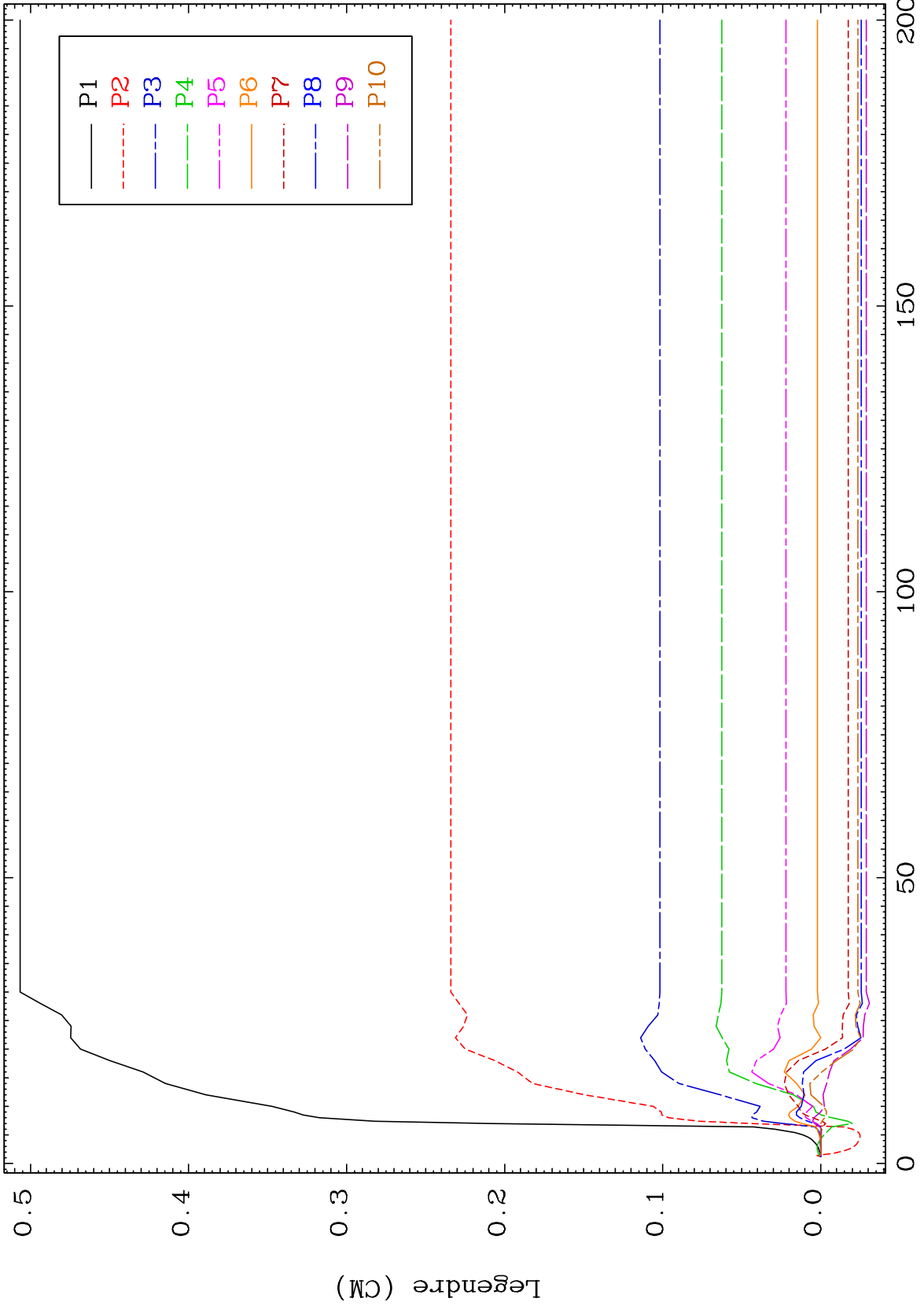


34

Incident Energy (MeV)

86-Rn-209

MAT 8619 MT= 55 (n,n') Level Legendre Coefficients 86-Rn-209

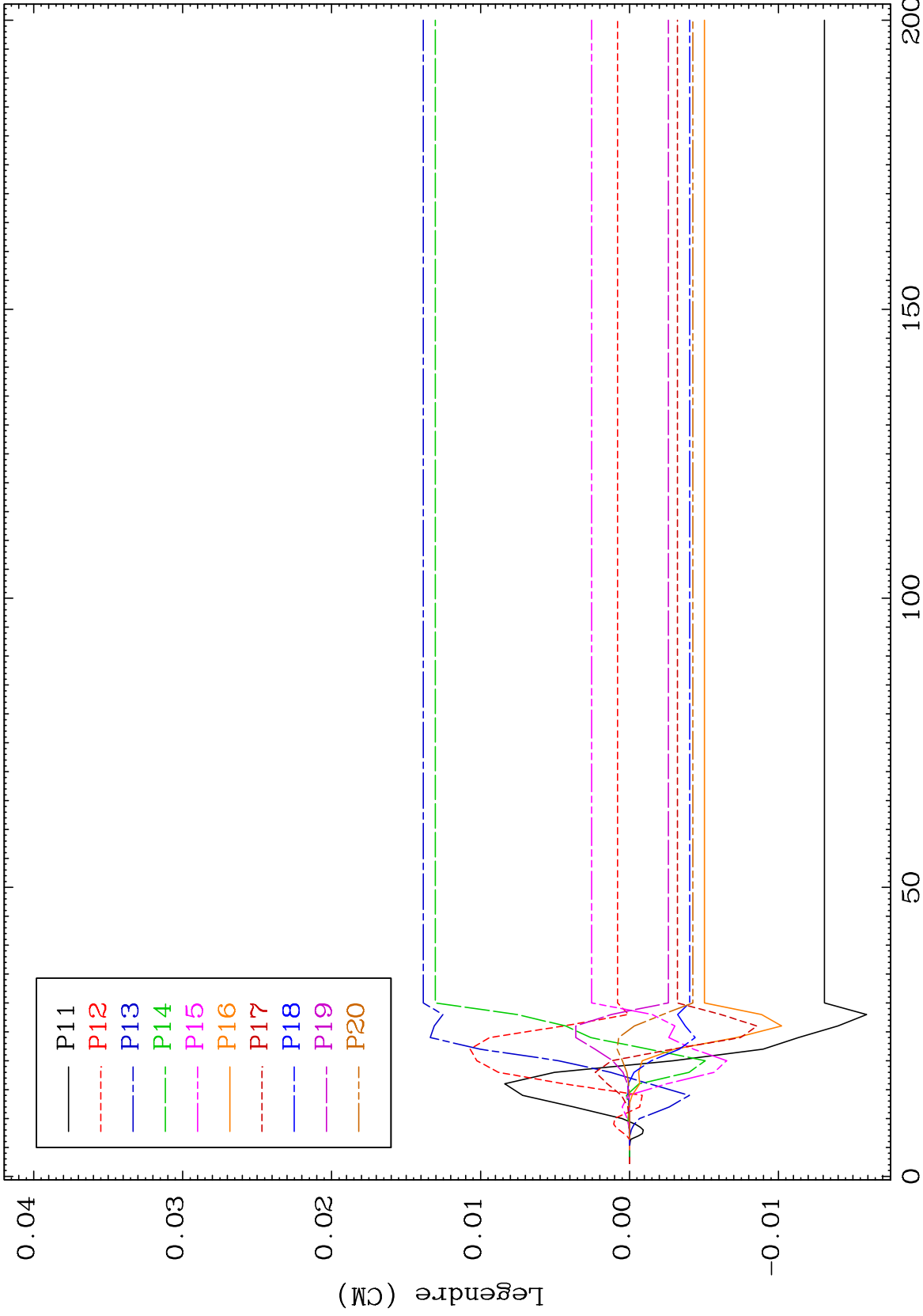


35 Incident Energy (MeV) 86-Rn-209

MAT 8619

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

86-Rn-209



36

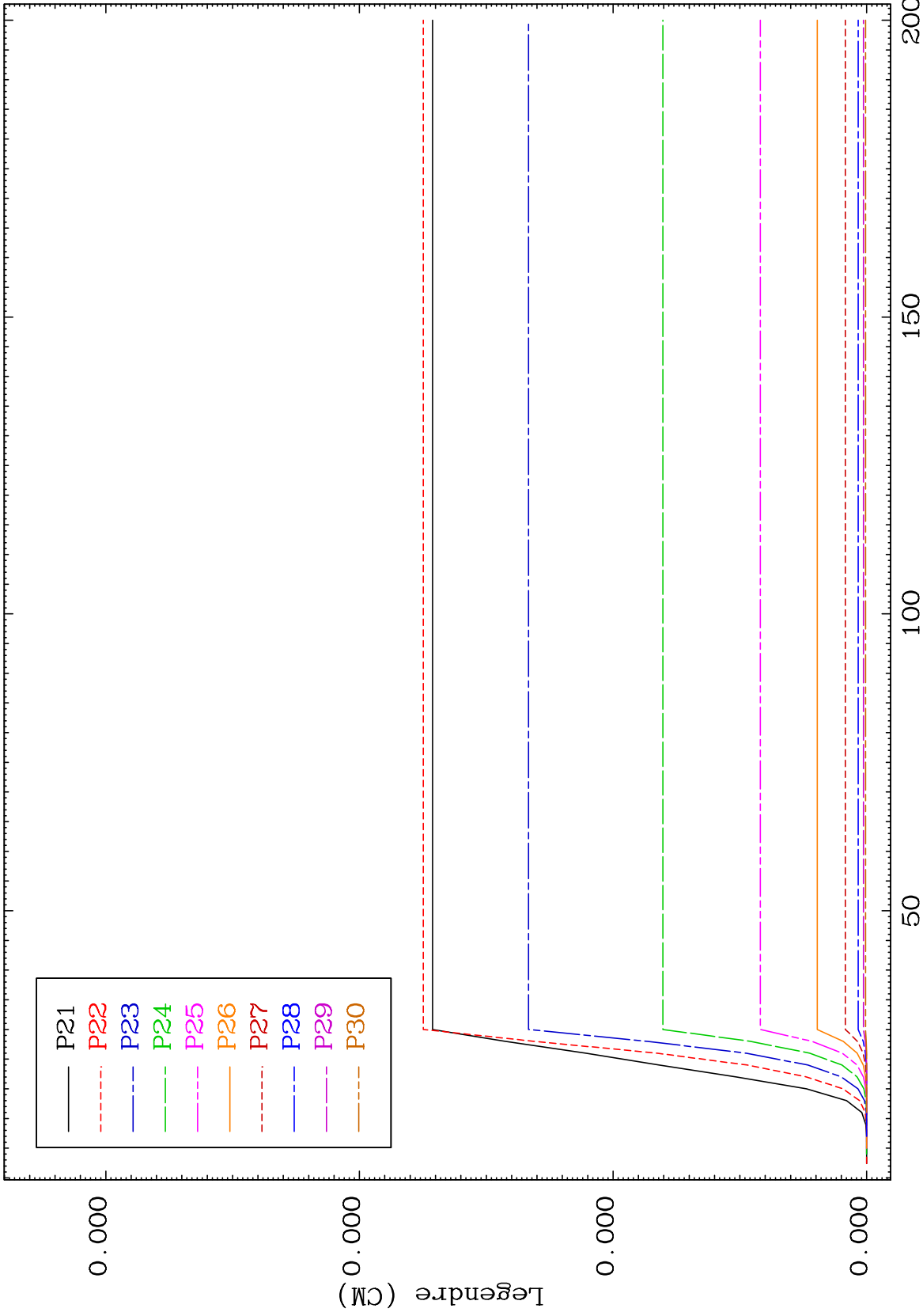
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



37

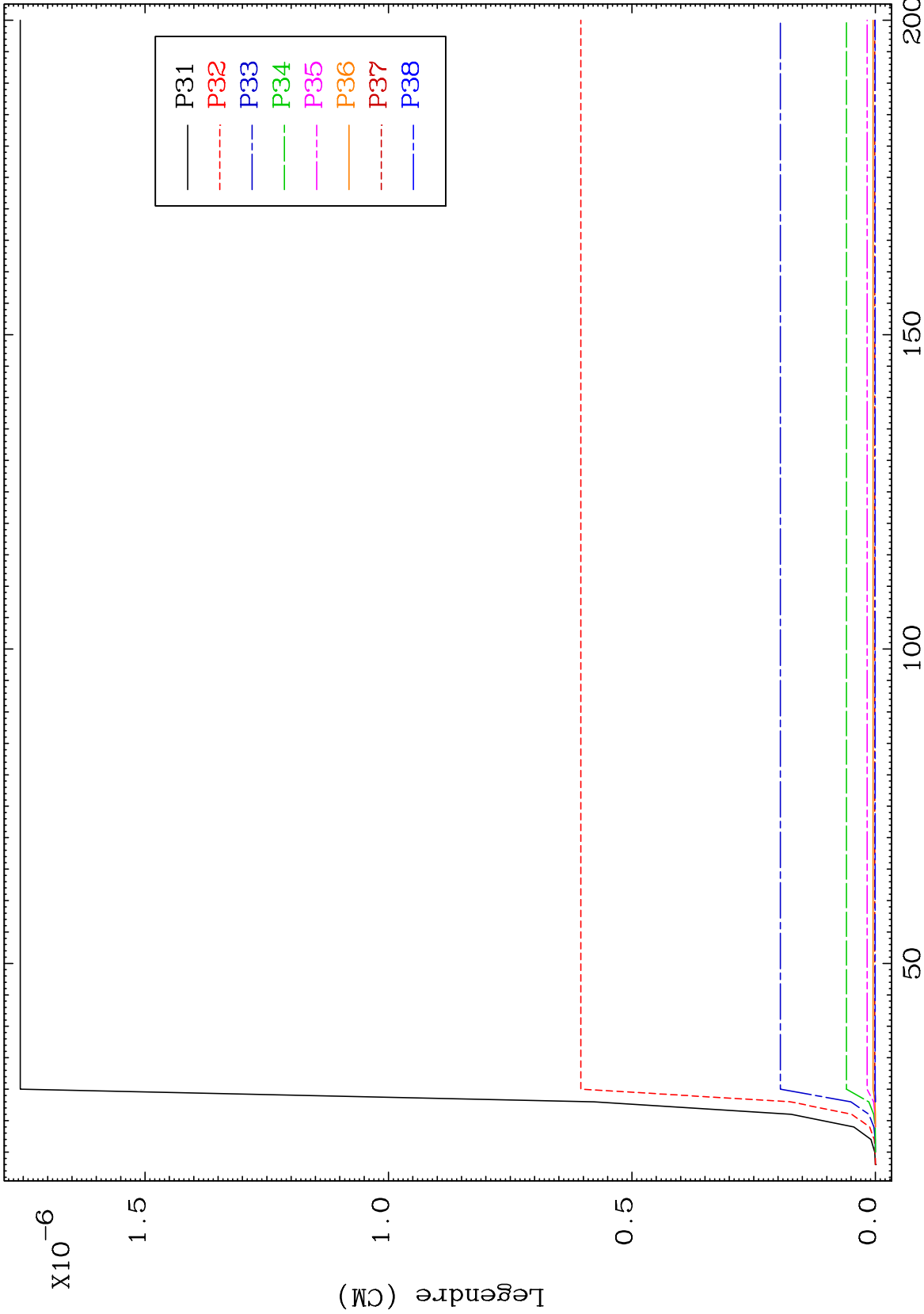
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



38

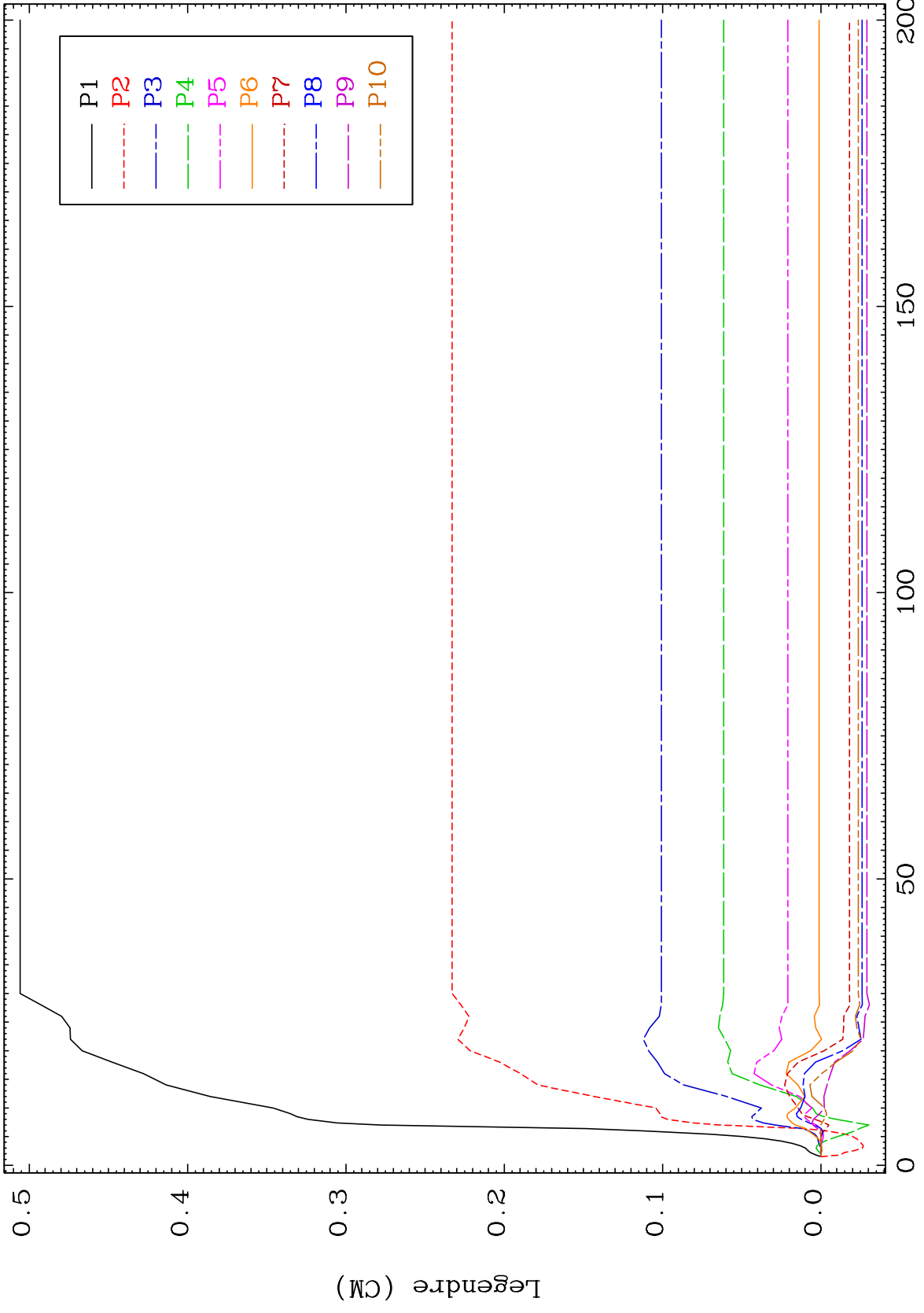
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



39

Incident Energy (MeV)

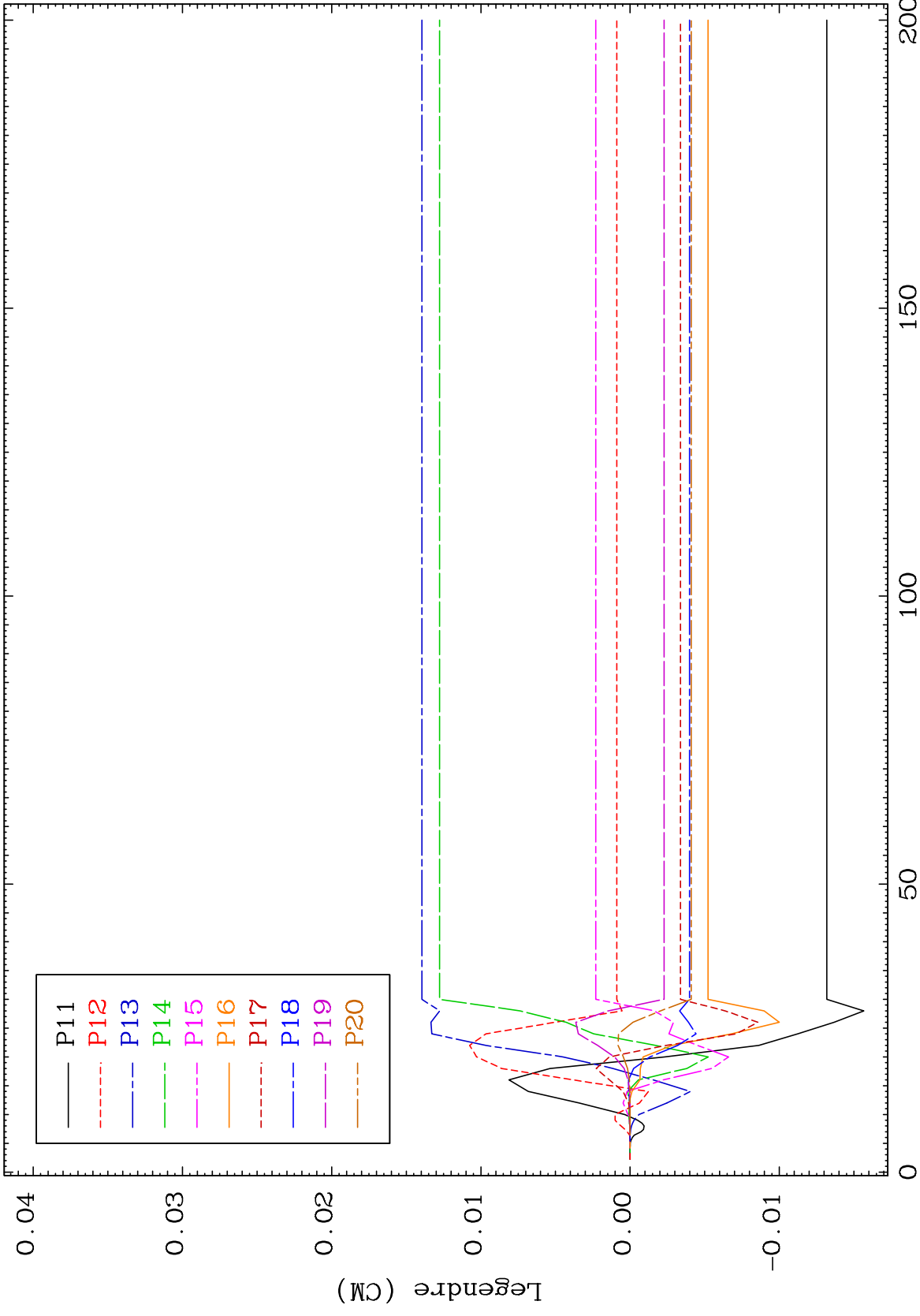
86-Rn-209



MAT 8619

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

86-Rn-209



40

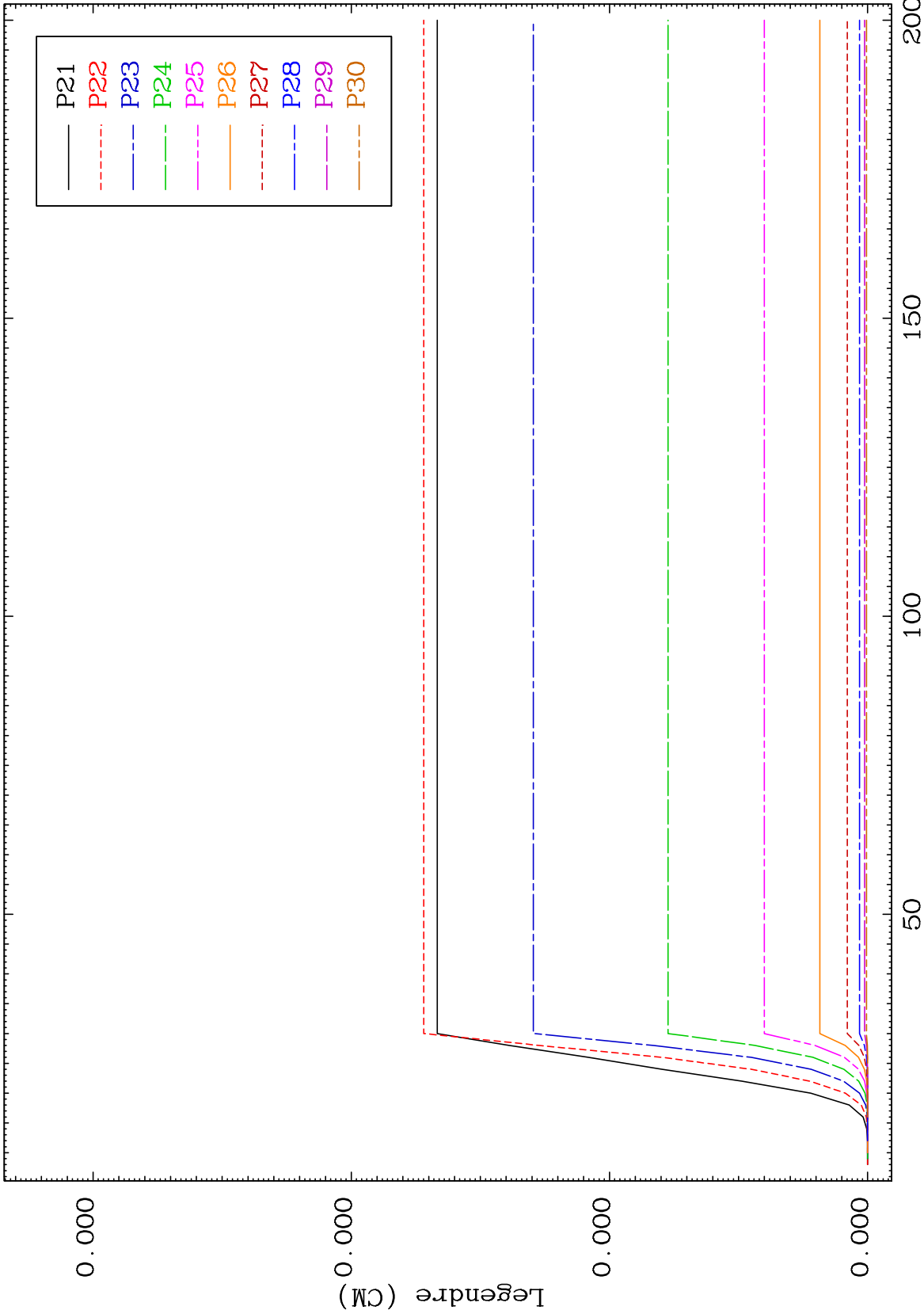
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

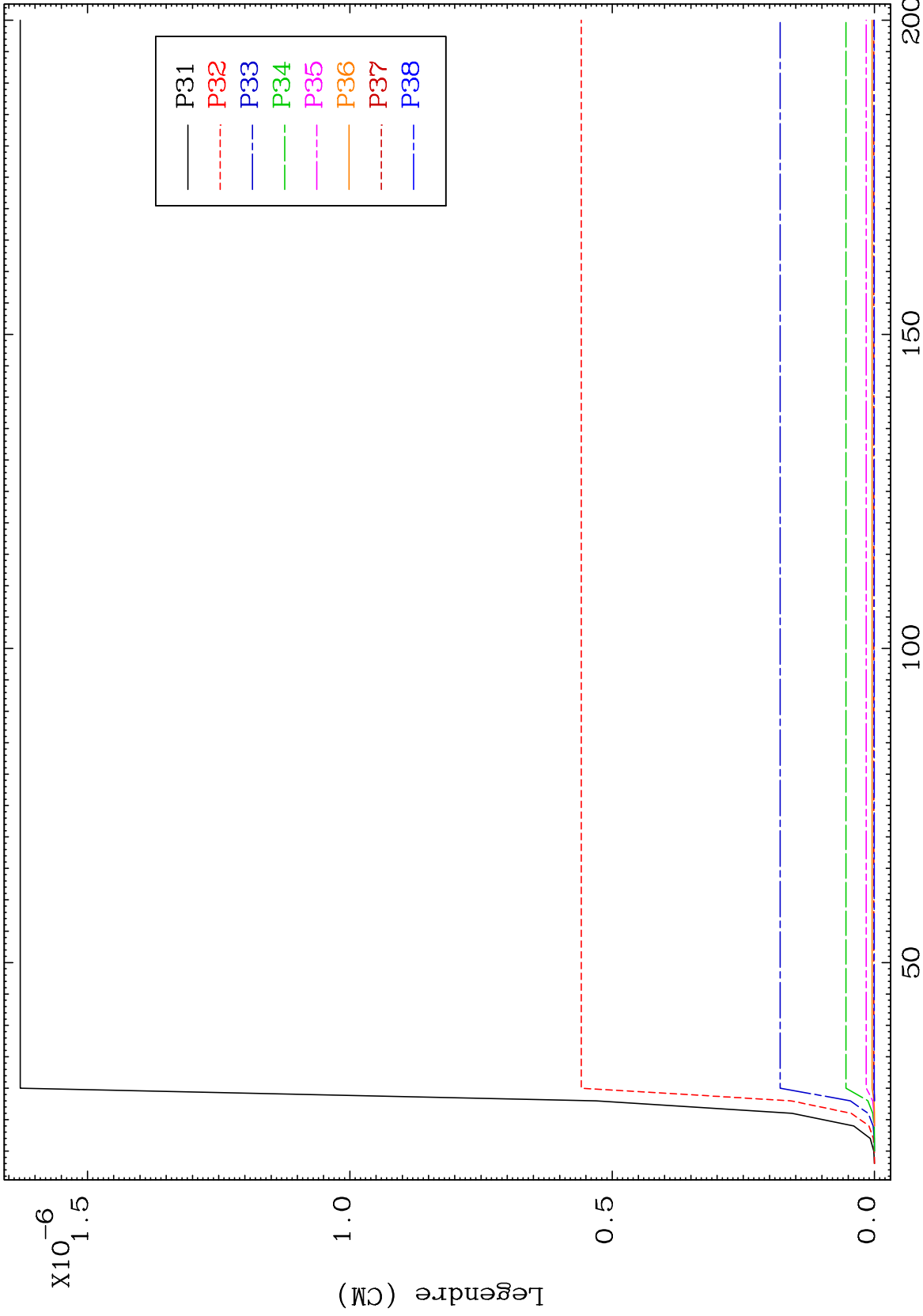
86-Rn-209



MAT 8619

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

86-Rn-209



42

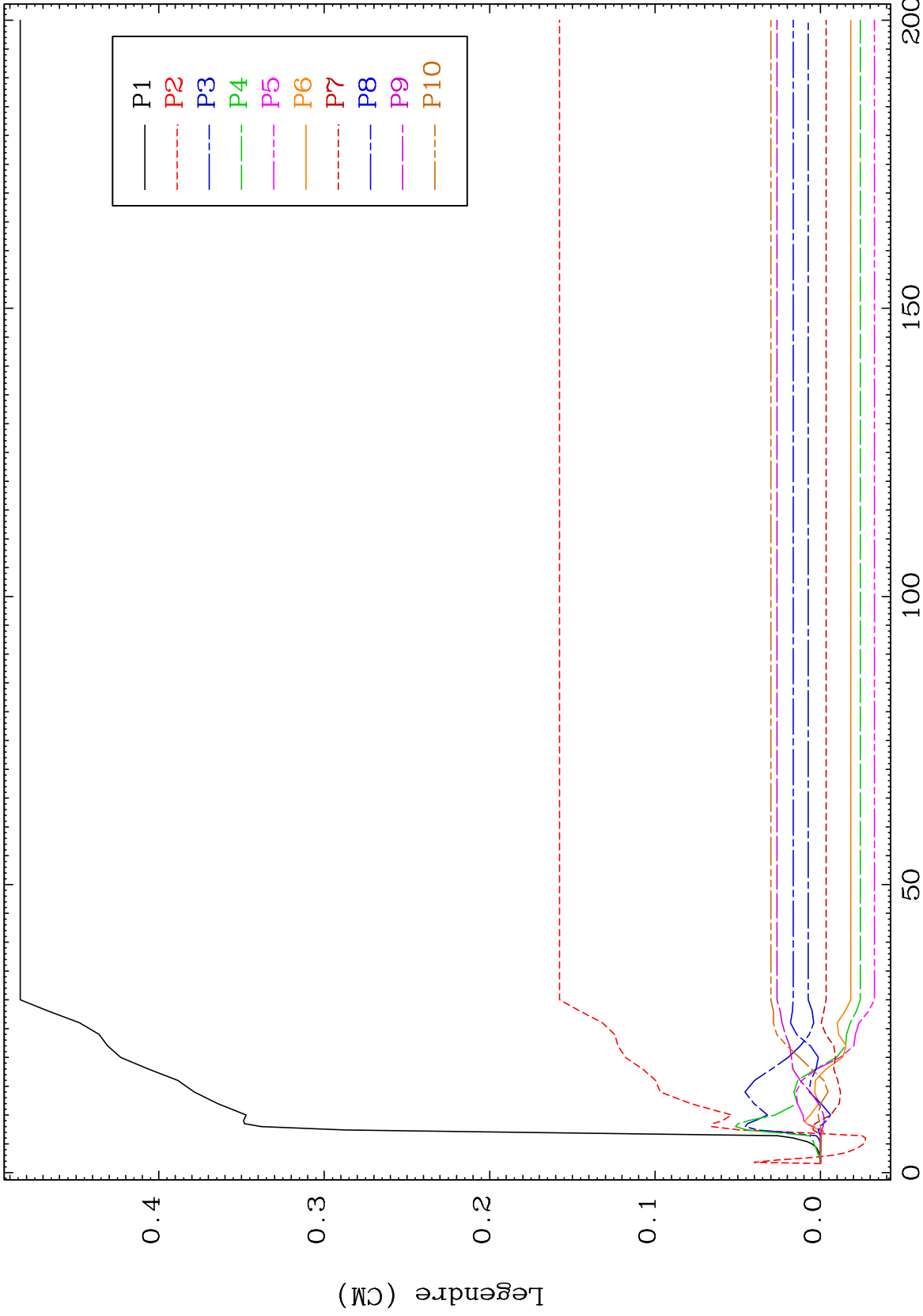
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



43

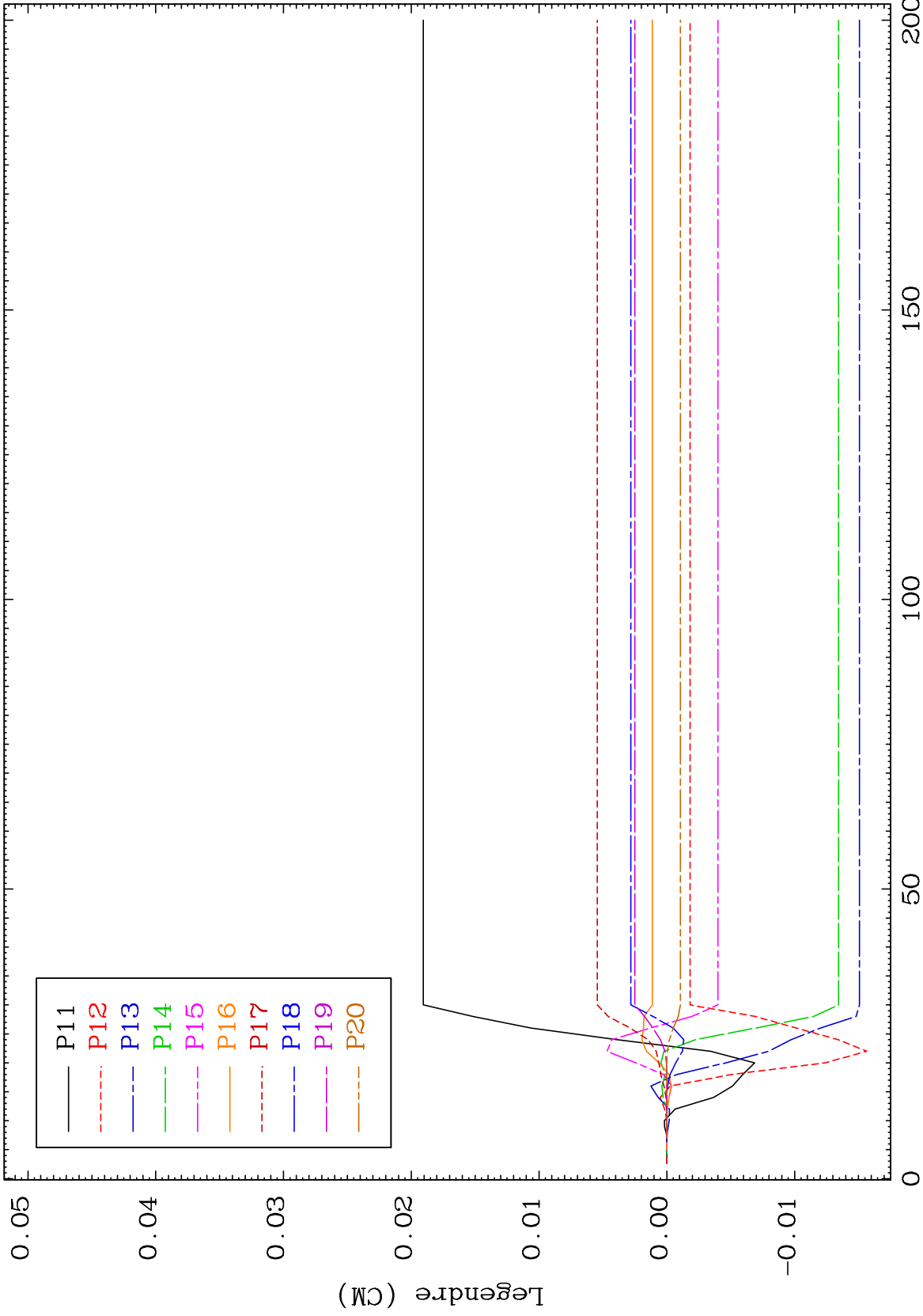
86-Rn-209

86-Rn-209

MAT 8619

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

86-Rn-209



44

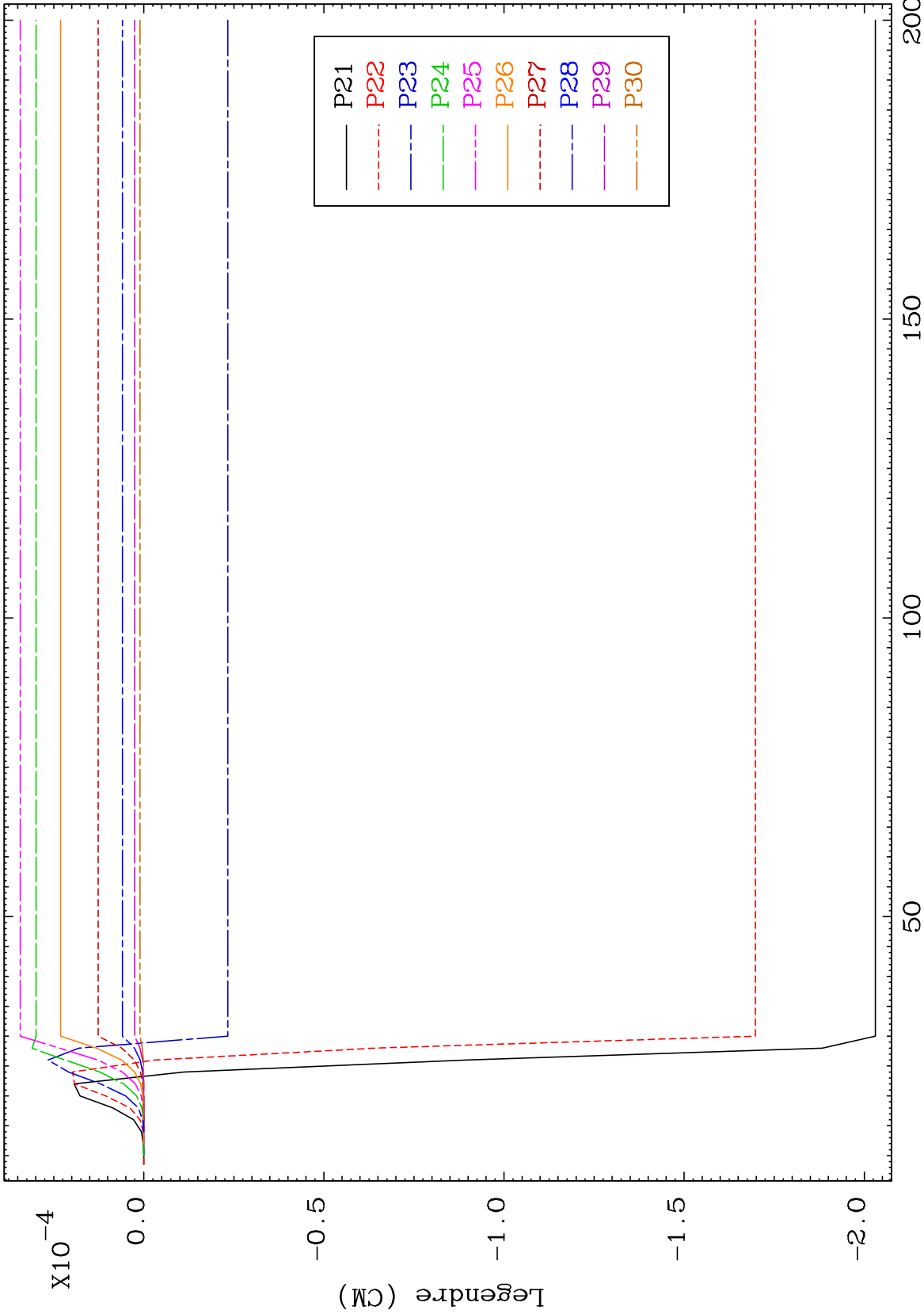
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



45

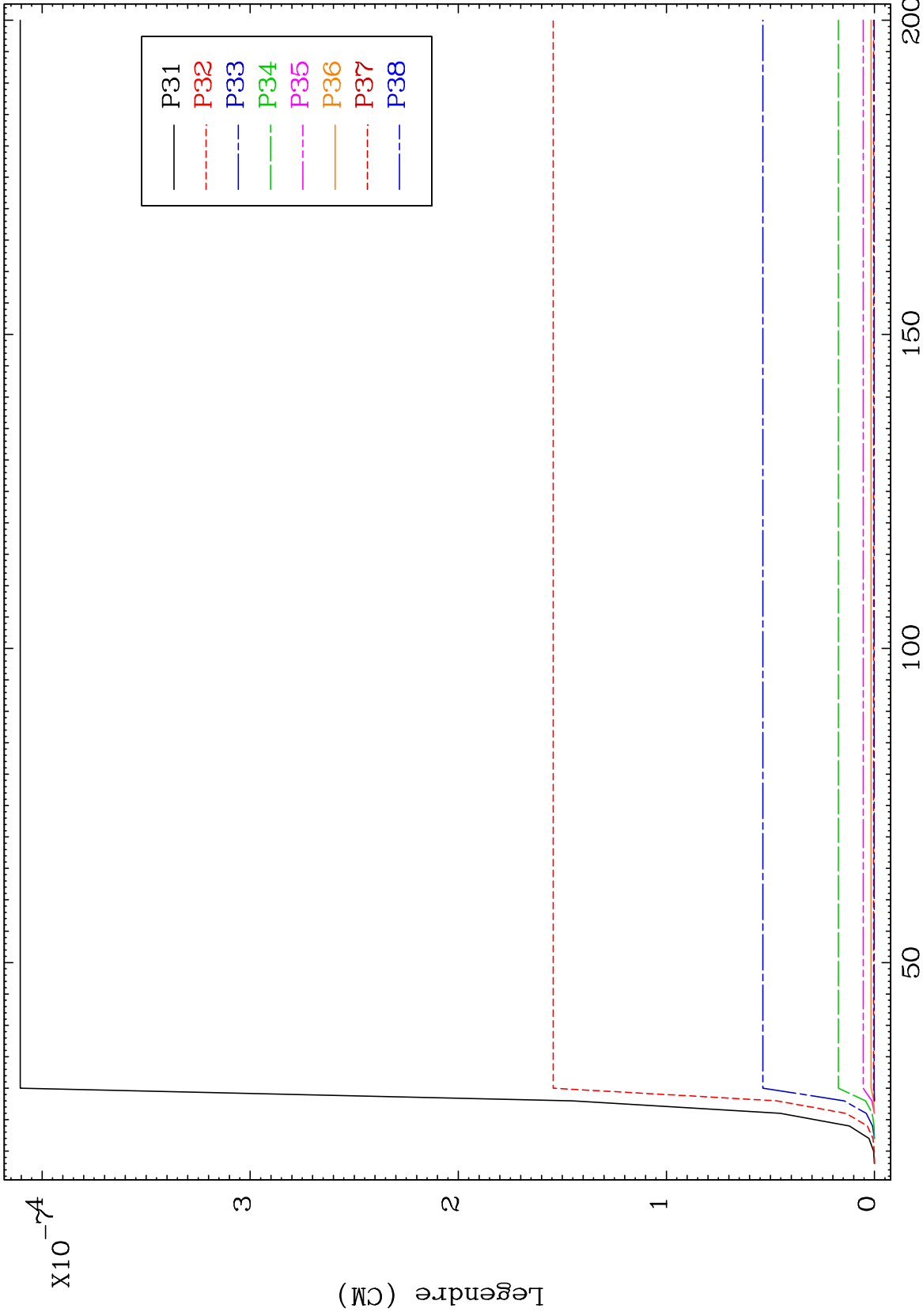
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



46

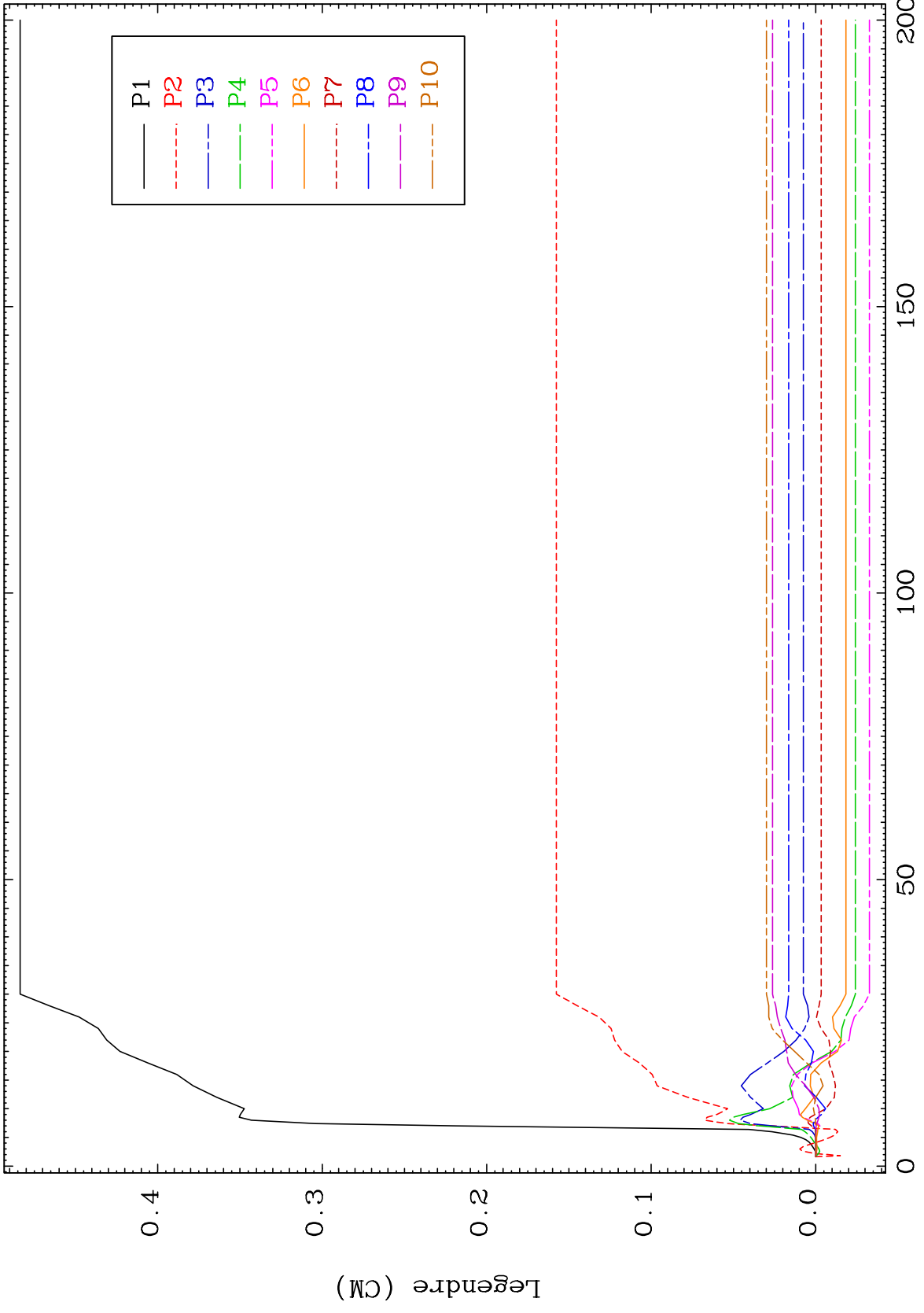
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



47

Incident Energy (MeV)

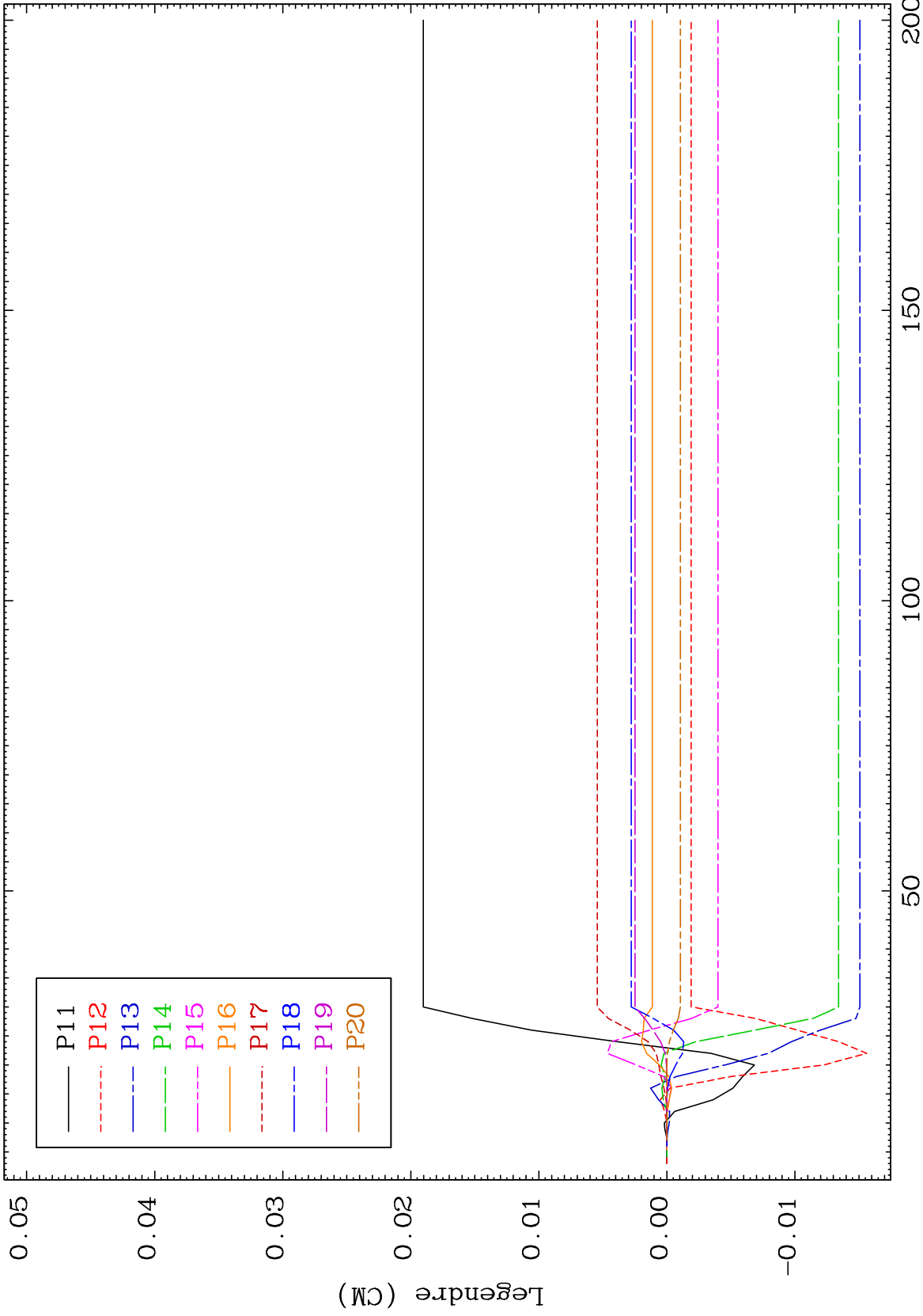
86-Rn-209



MAT 8619

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

86-Rn-209



48

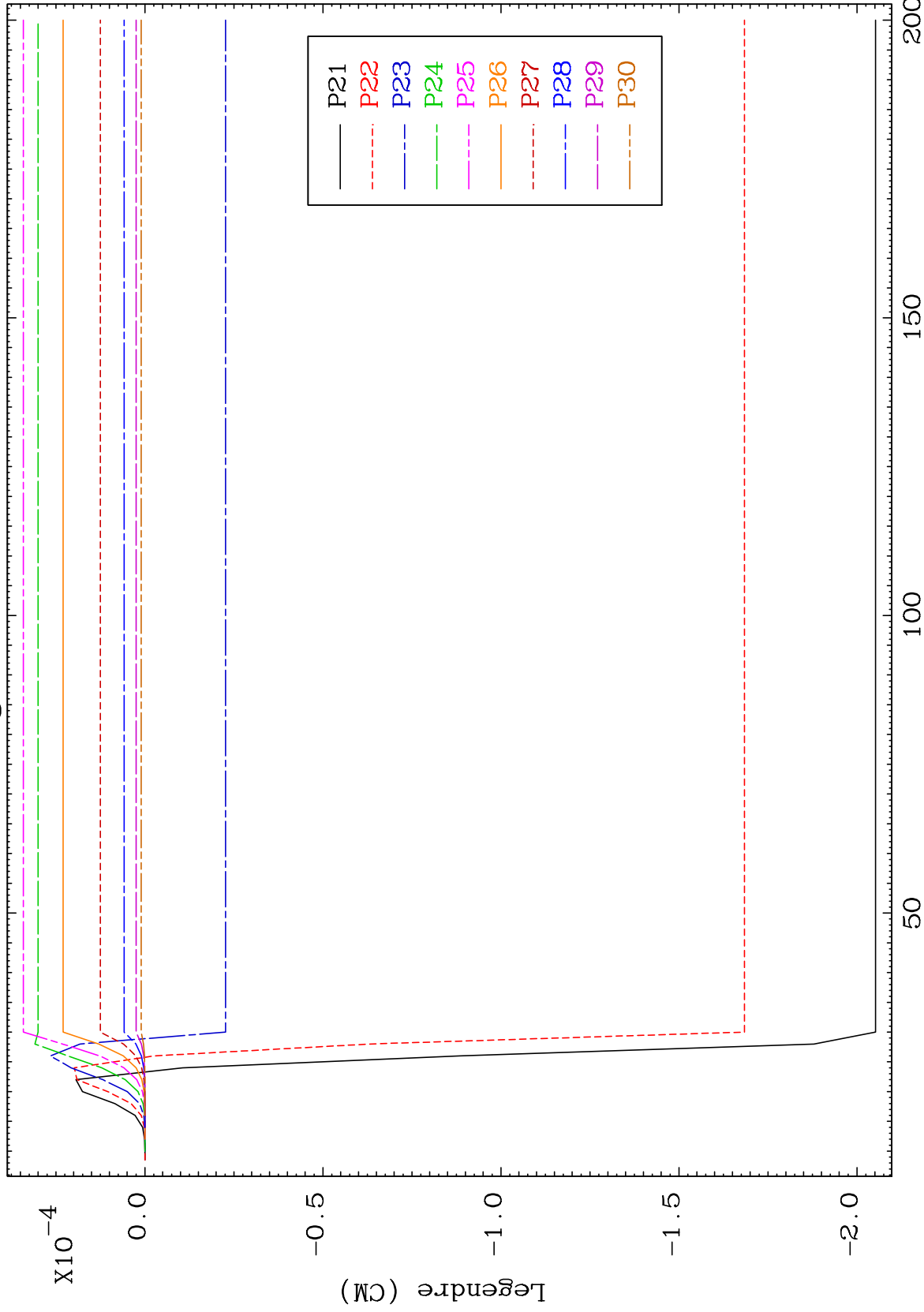
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



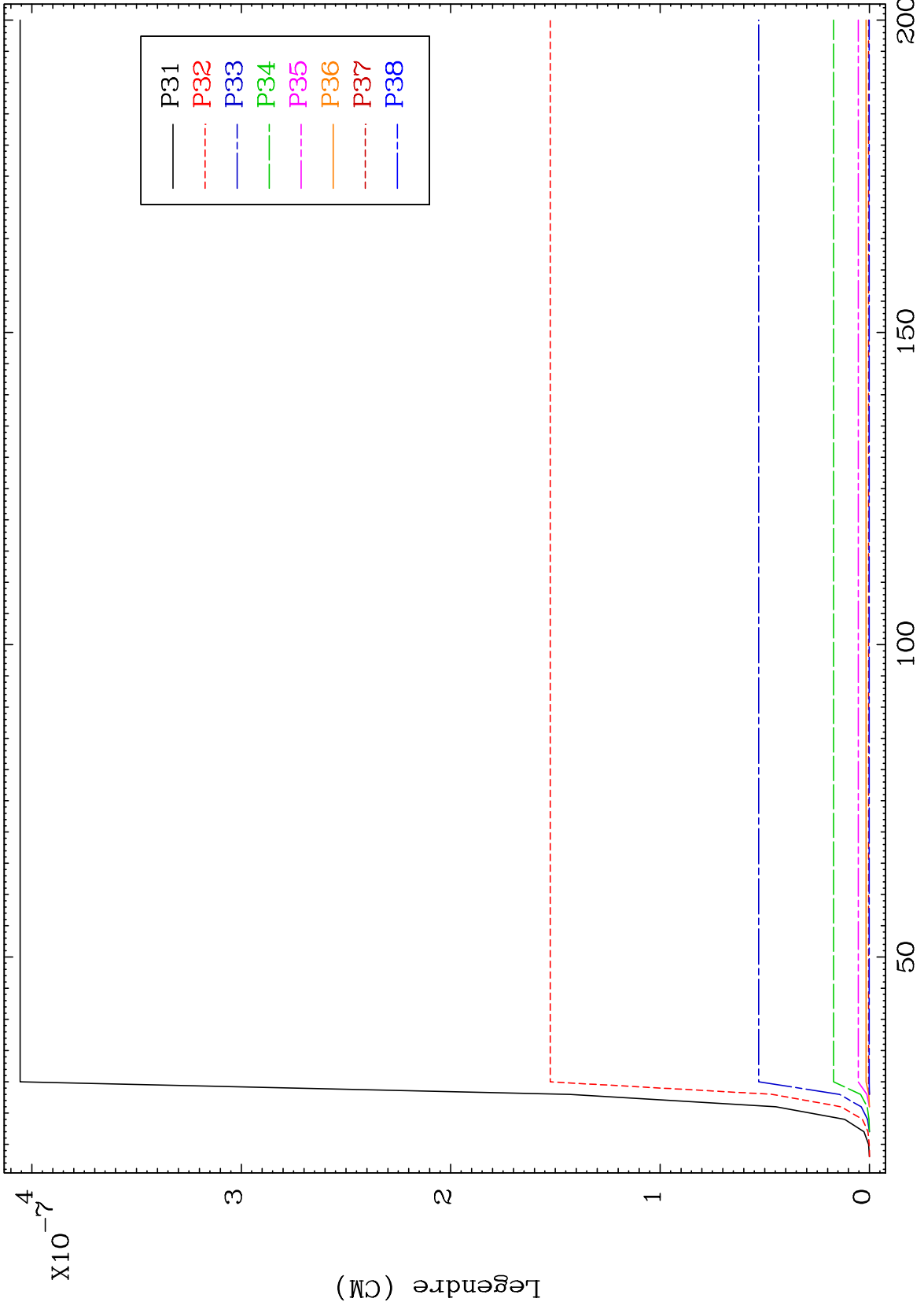
49

86-Rn-209

MAT 8619

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

86-Rn-209



50

50

100

150

200

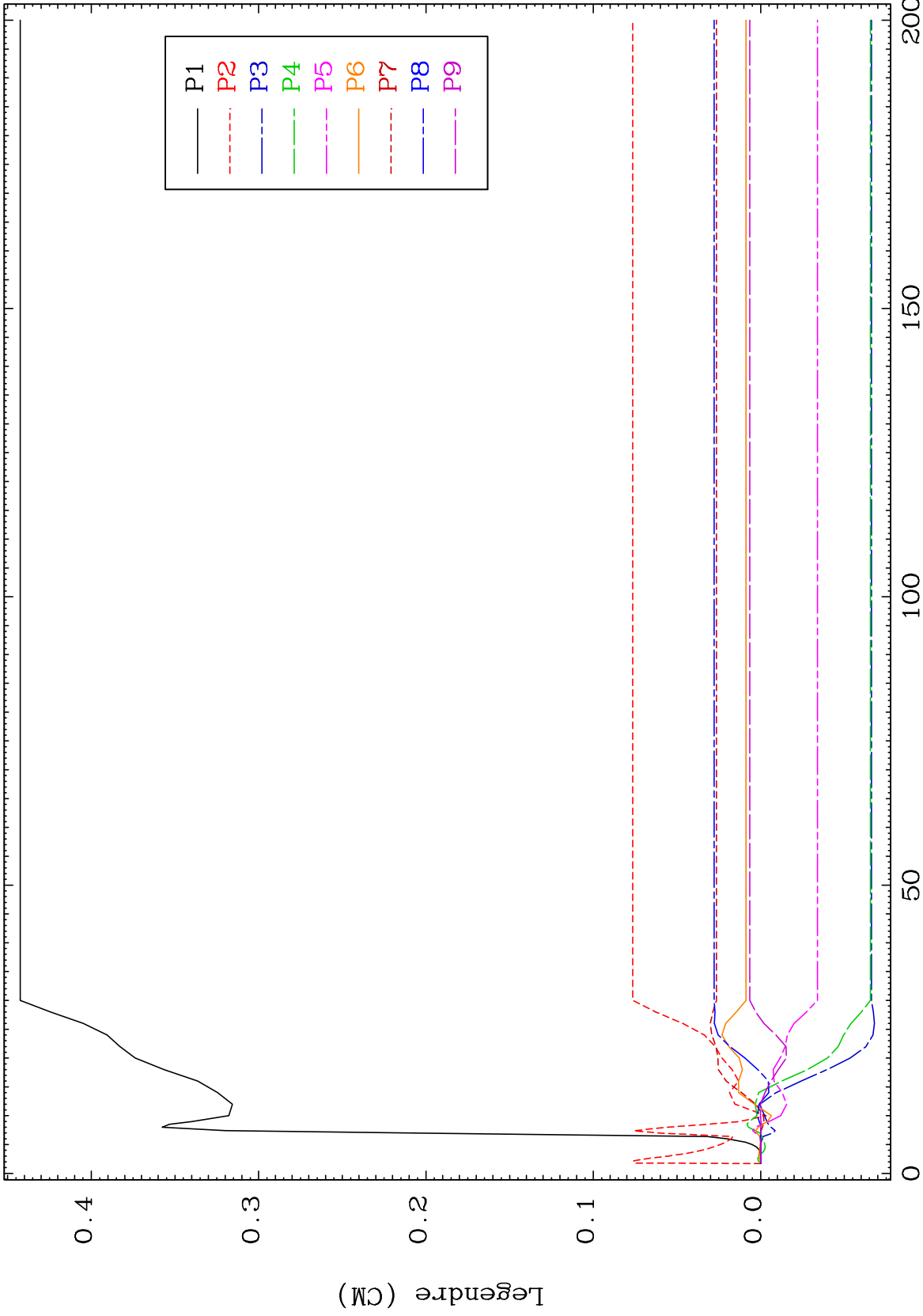
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



51

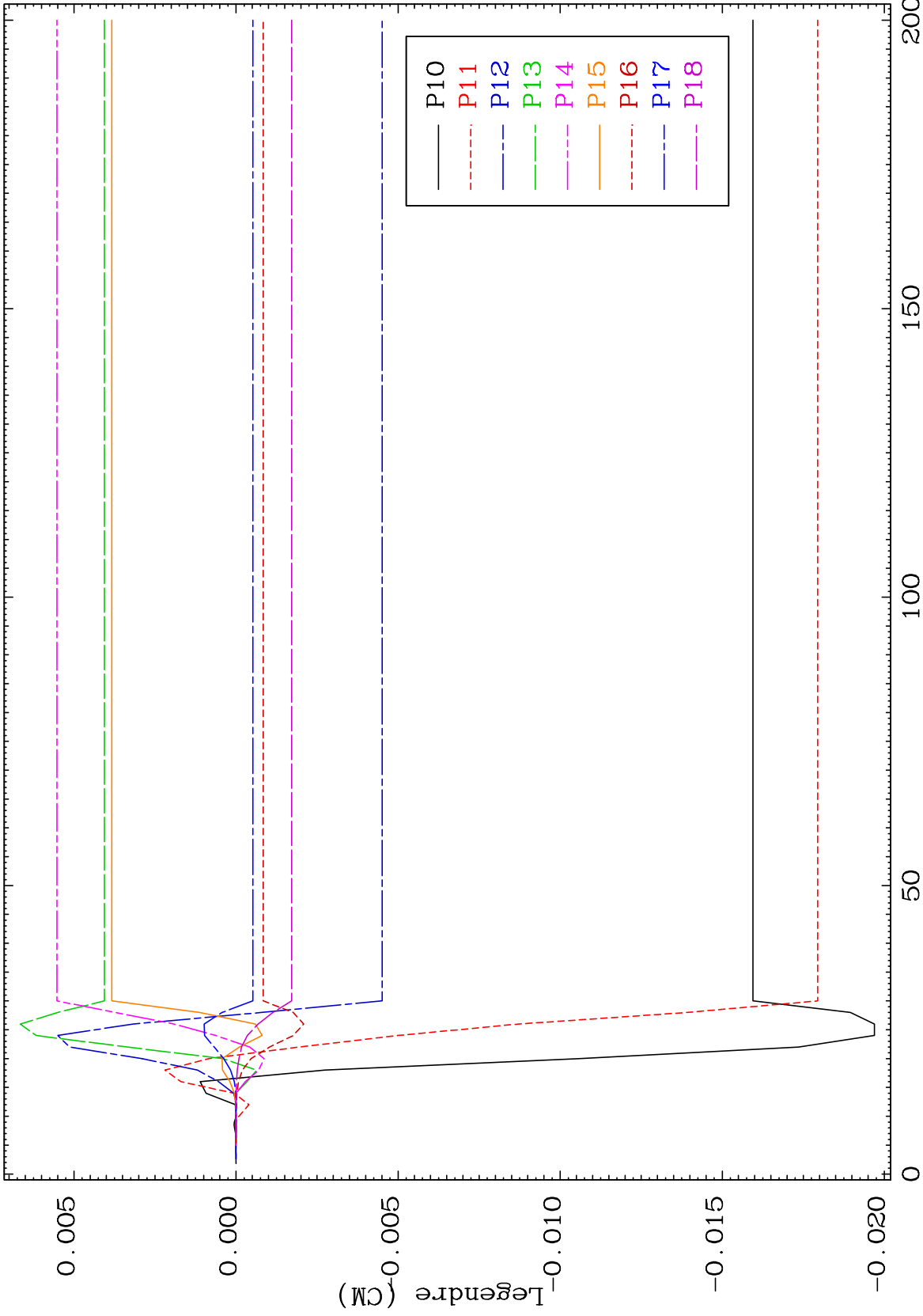
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



52

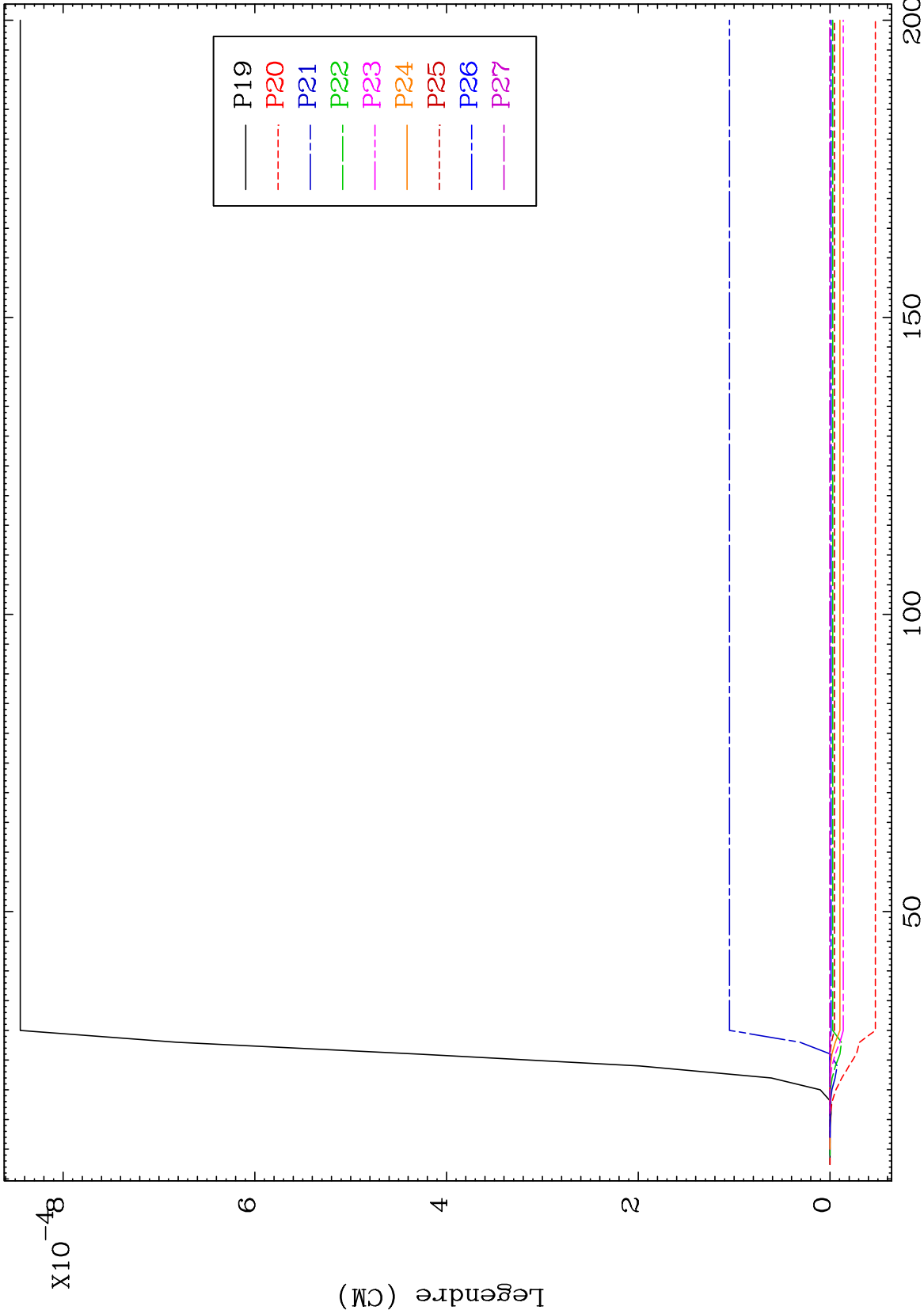
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



53

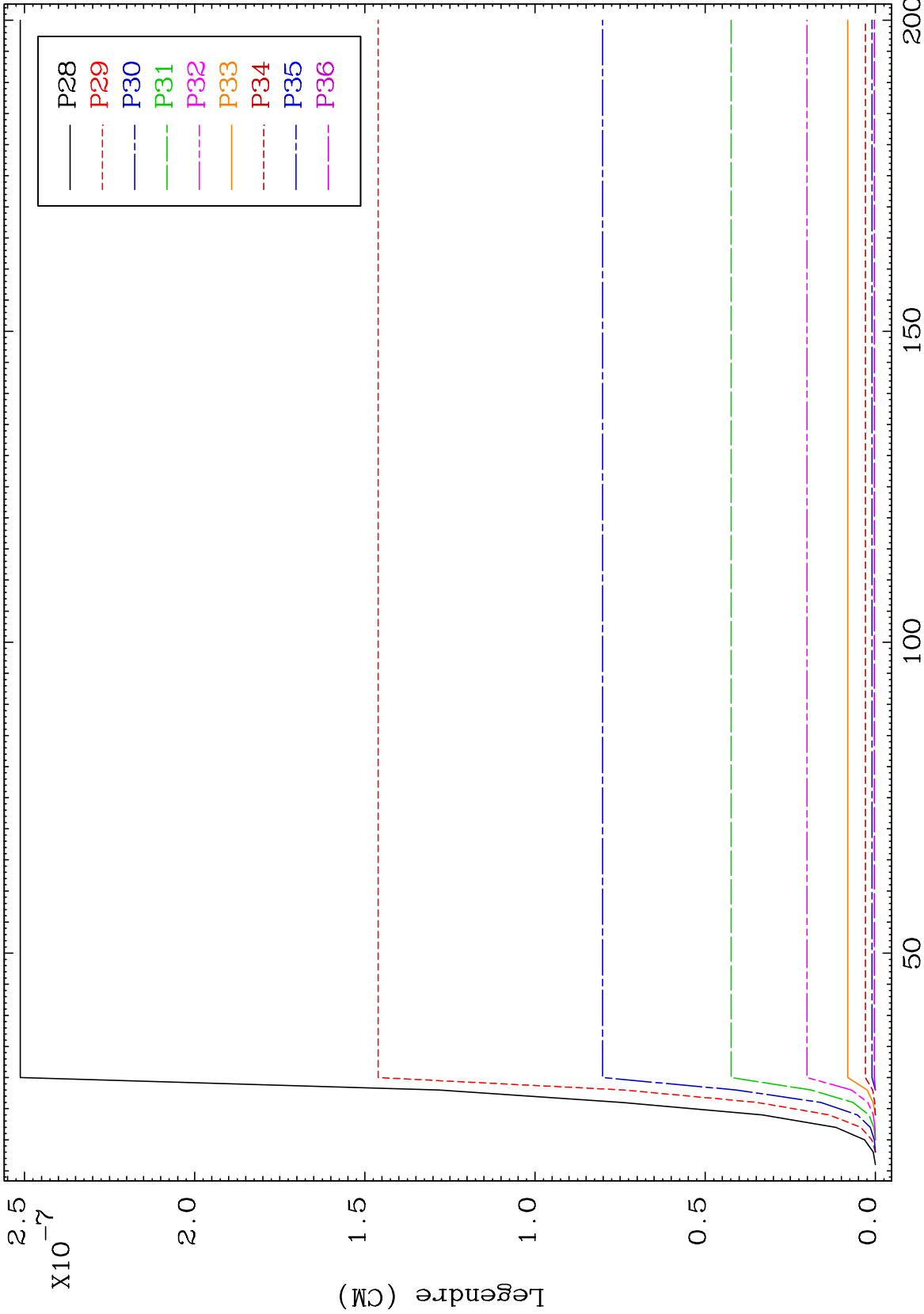
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



54

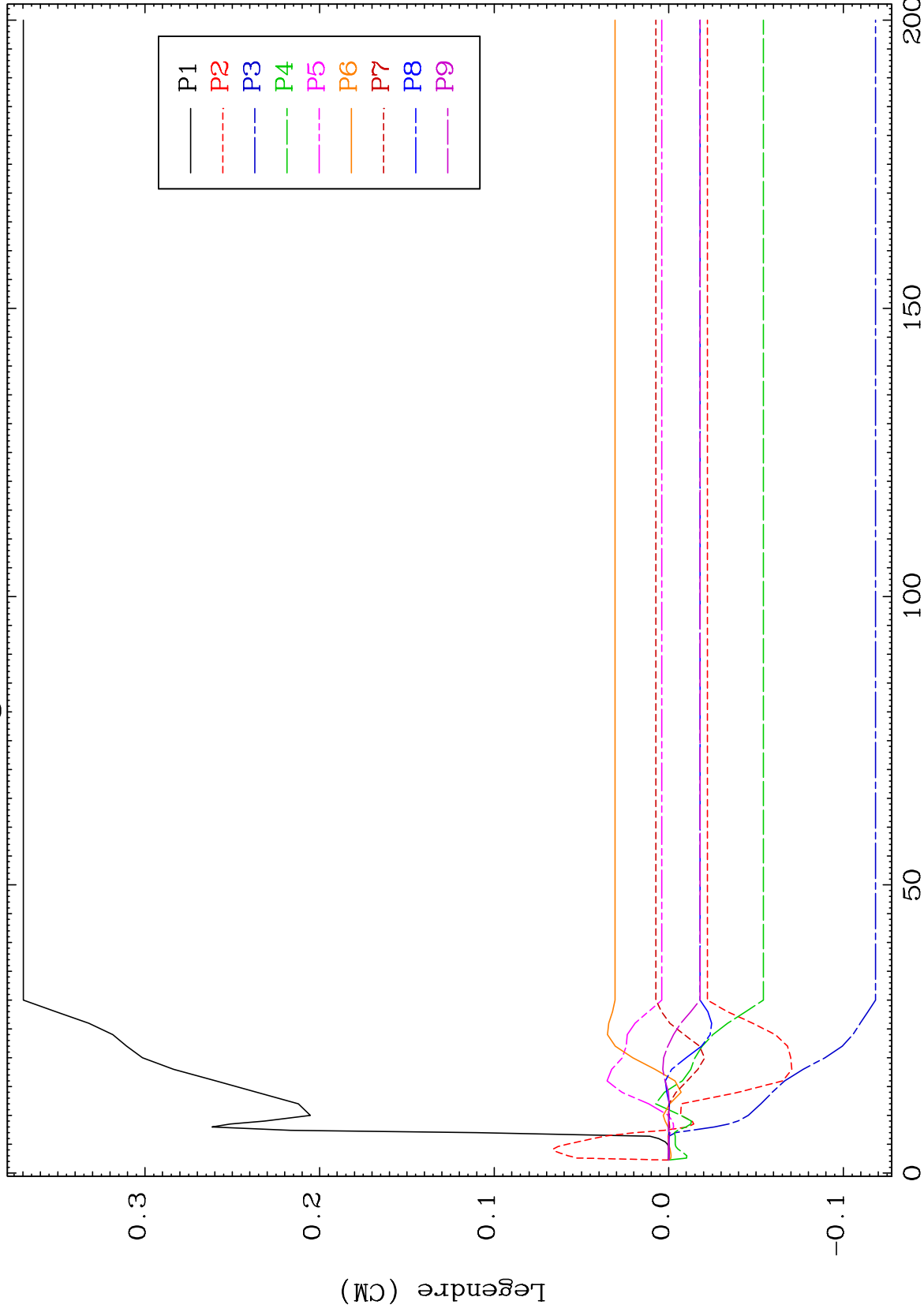
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



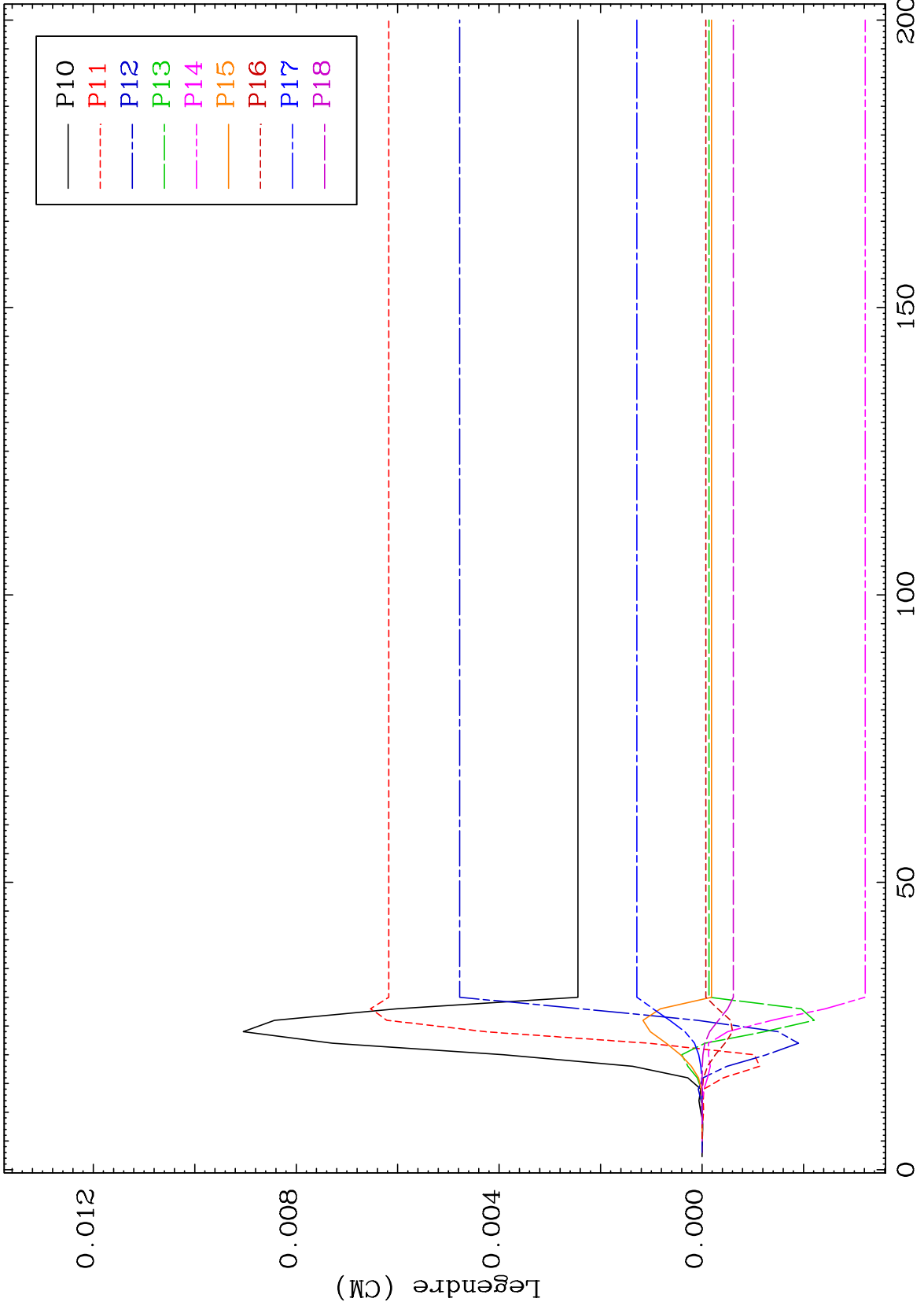
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Incident Energy (MeV)

86-Rn-209



MAT 8619 MT= 60 (n,n') Level Legendre Coefficients 86-Rn-209

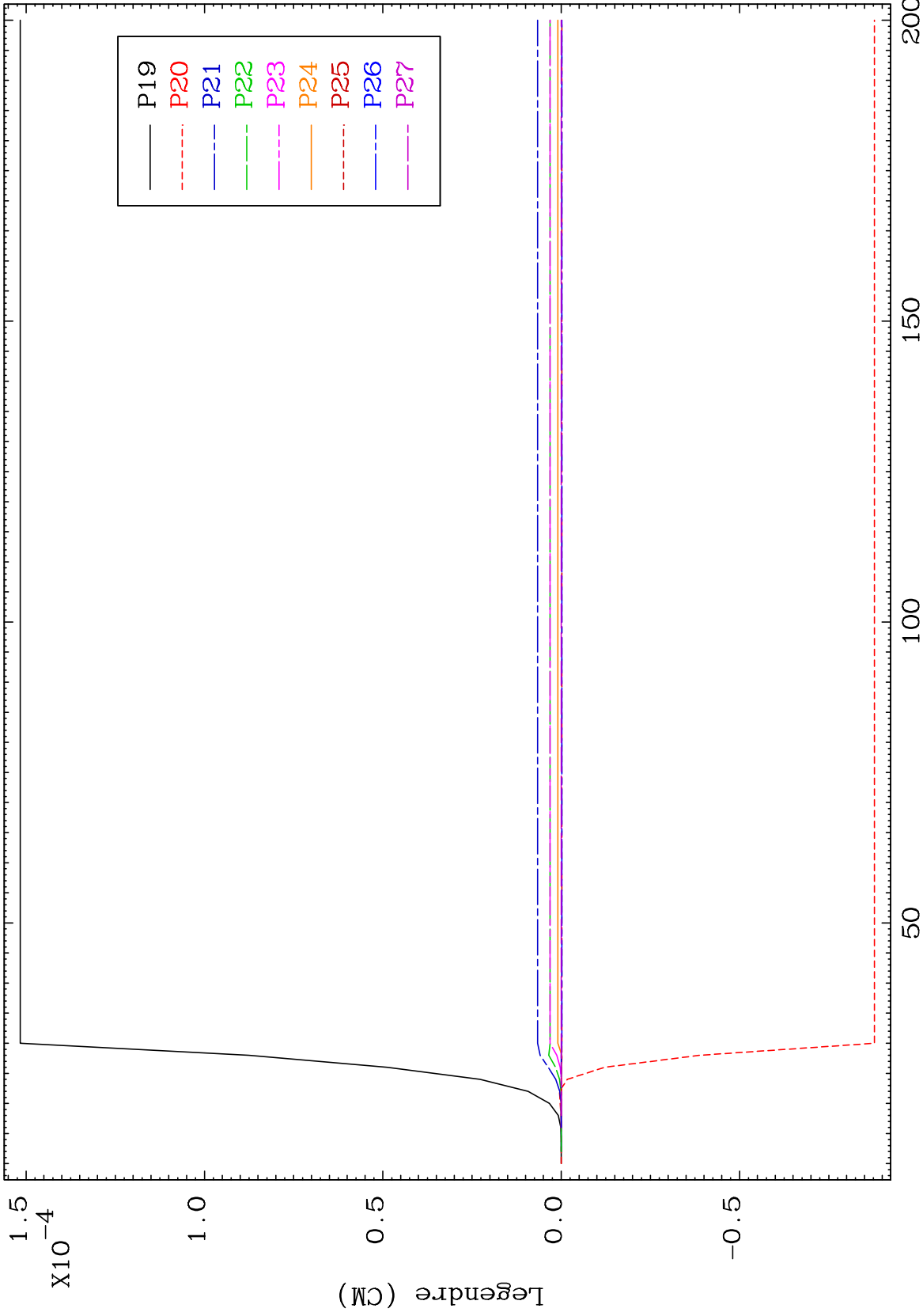


56 86-Rn-209

MAT 8619

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

86-Rn-209

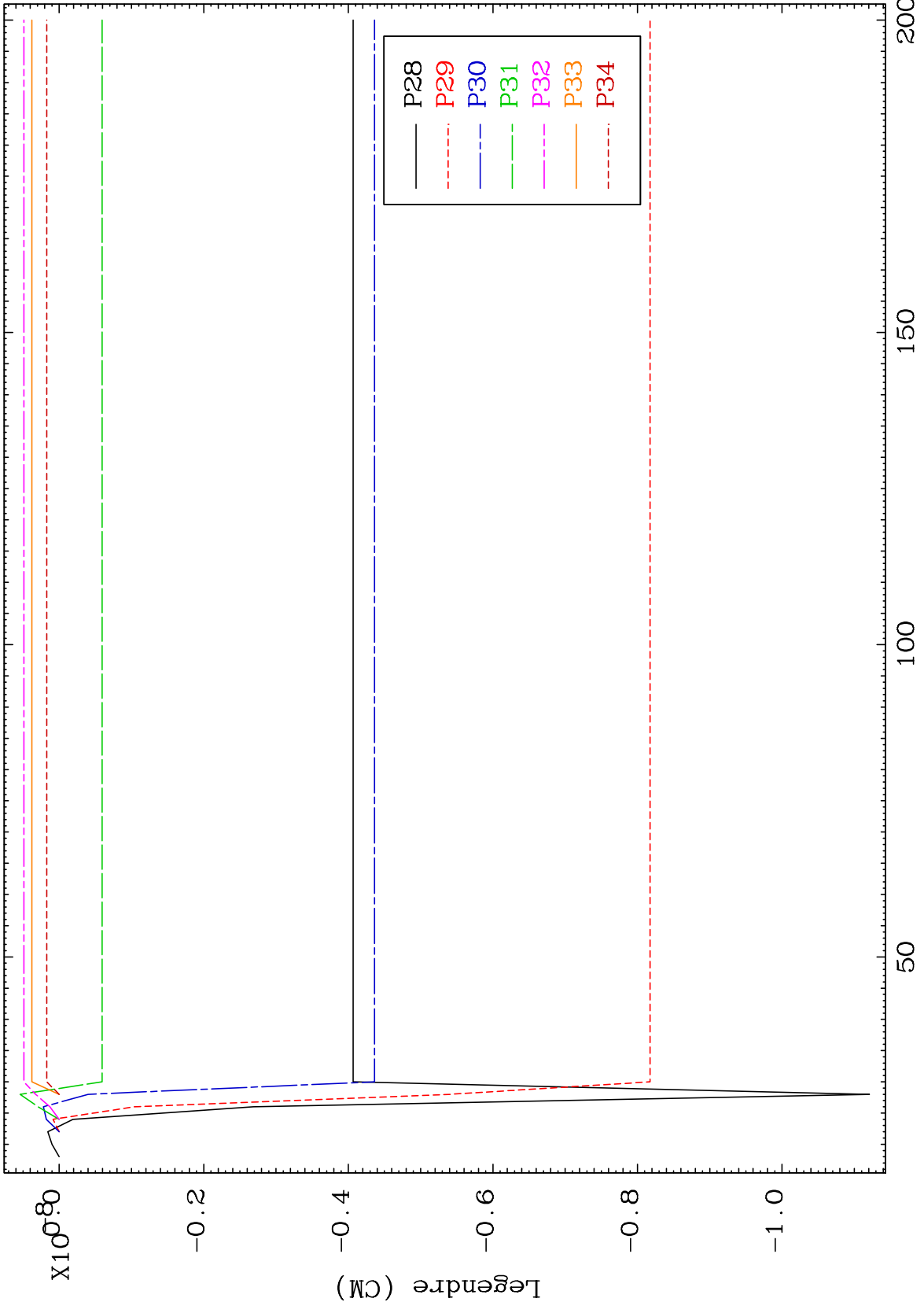


57

Incident Energy (MeV)

86-Rn-209

MAT 8619 MT= 60 (n,n') Level Legendre Coefficients 86-Rn-209

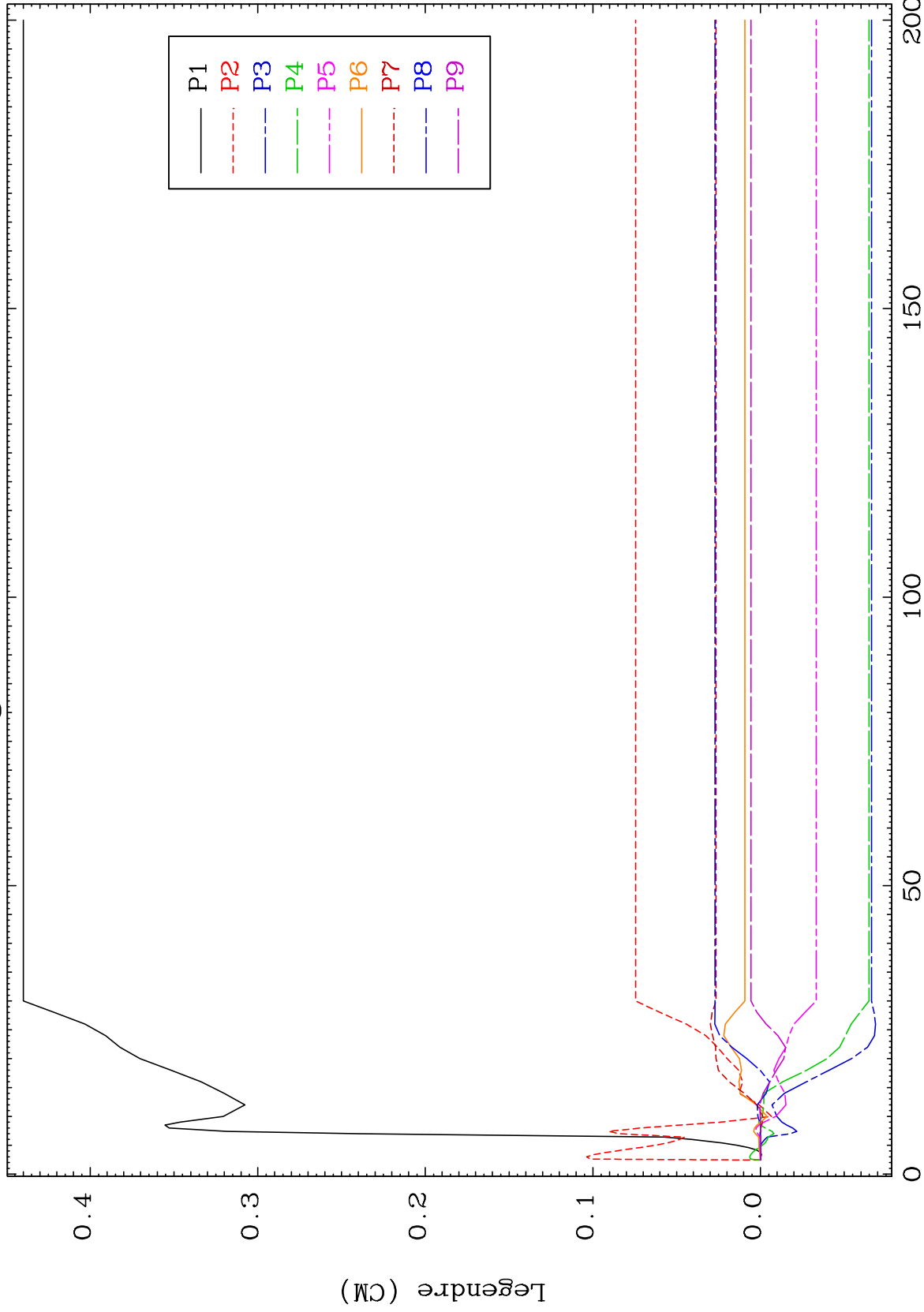


58 86-Rn-209

MAT 8619

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

86-Rn-209

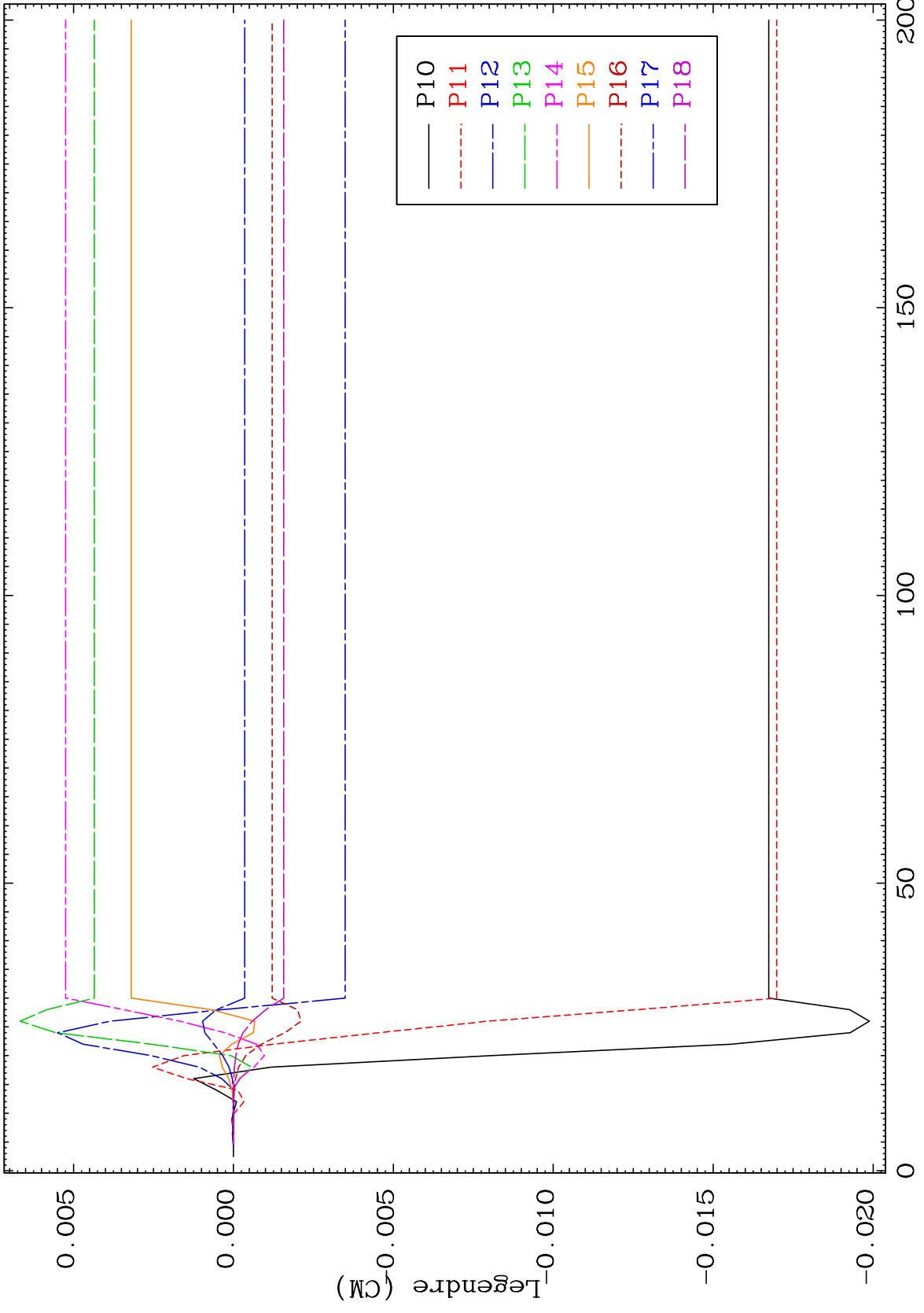


59

Incident Energy (MeV)

86-Rn-209

MAT 8619 MT= 61 (n,n') Level Legendre Coefficients 86-Rn-209

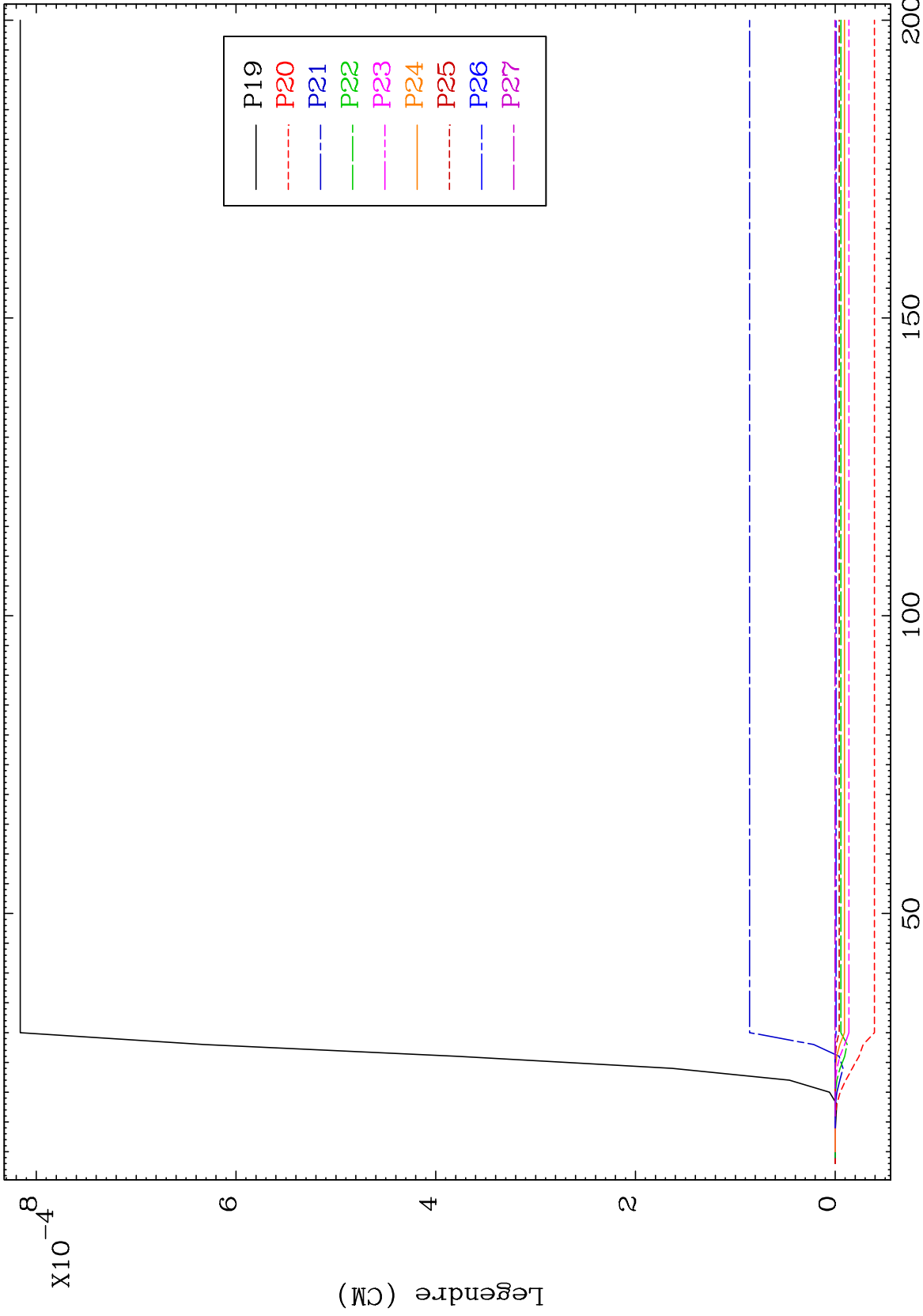


86-Rn-209

MAT 8619

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

86-Rn-209



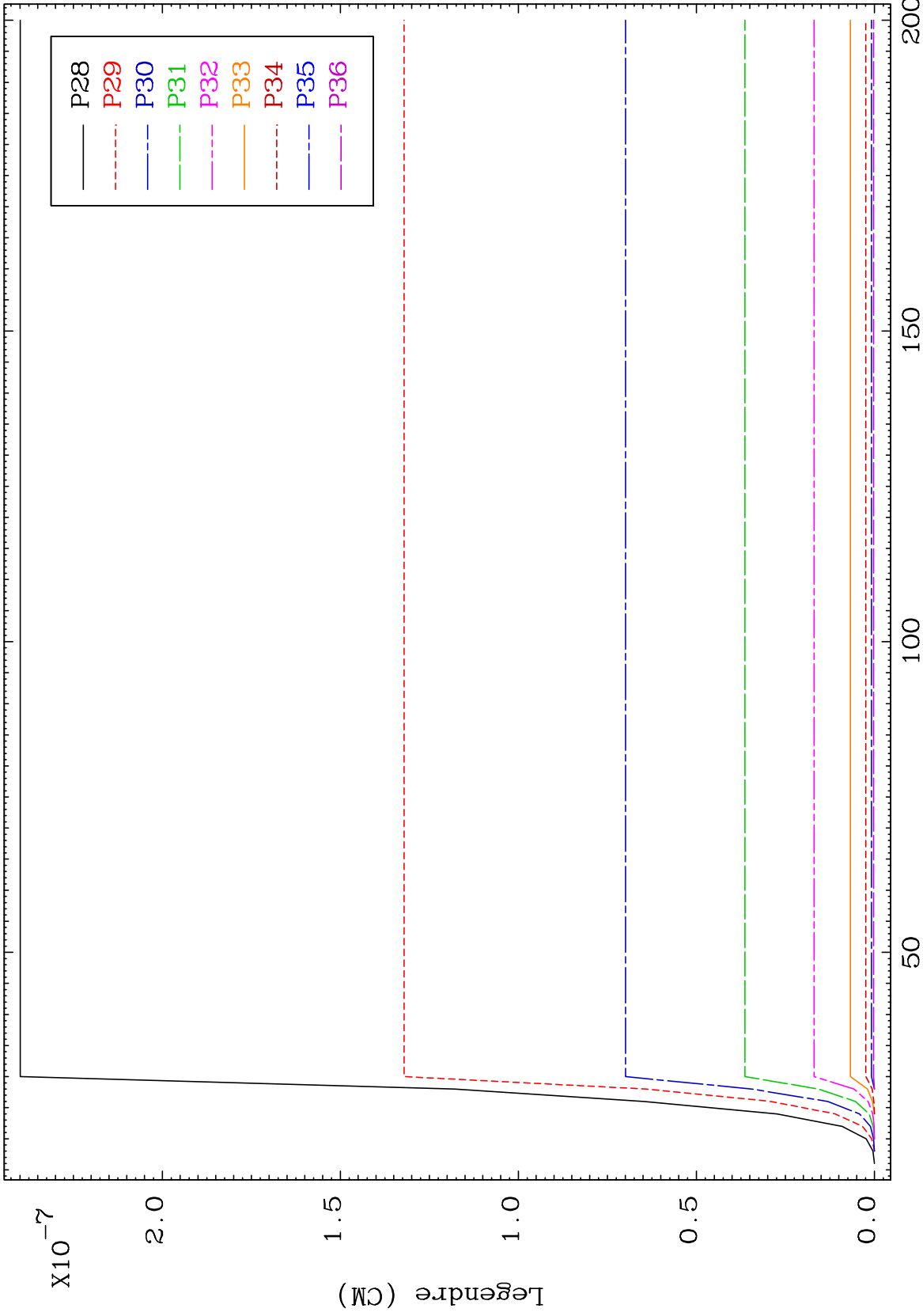
61

86-Rn-209

MAT 8619

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

86-Rn-209



62

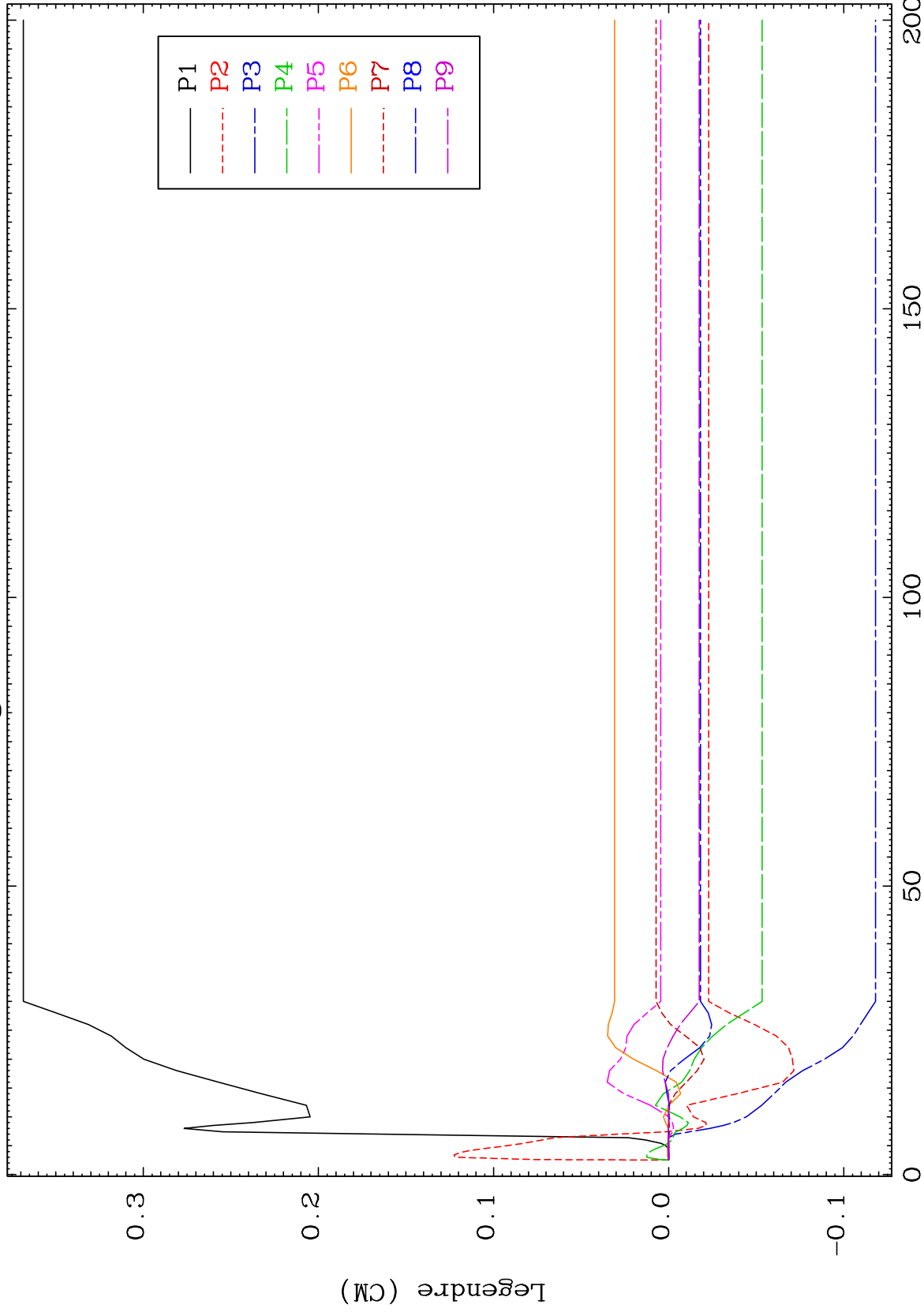
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



63

Incident Energy (MeV)

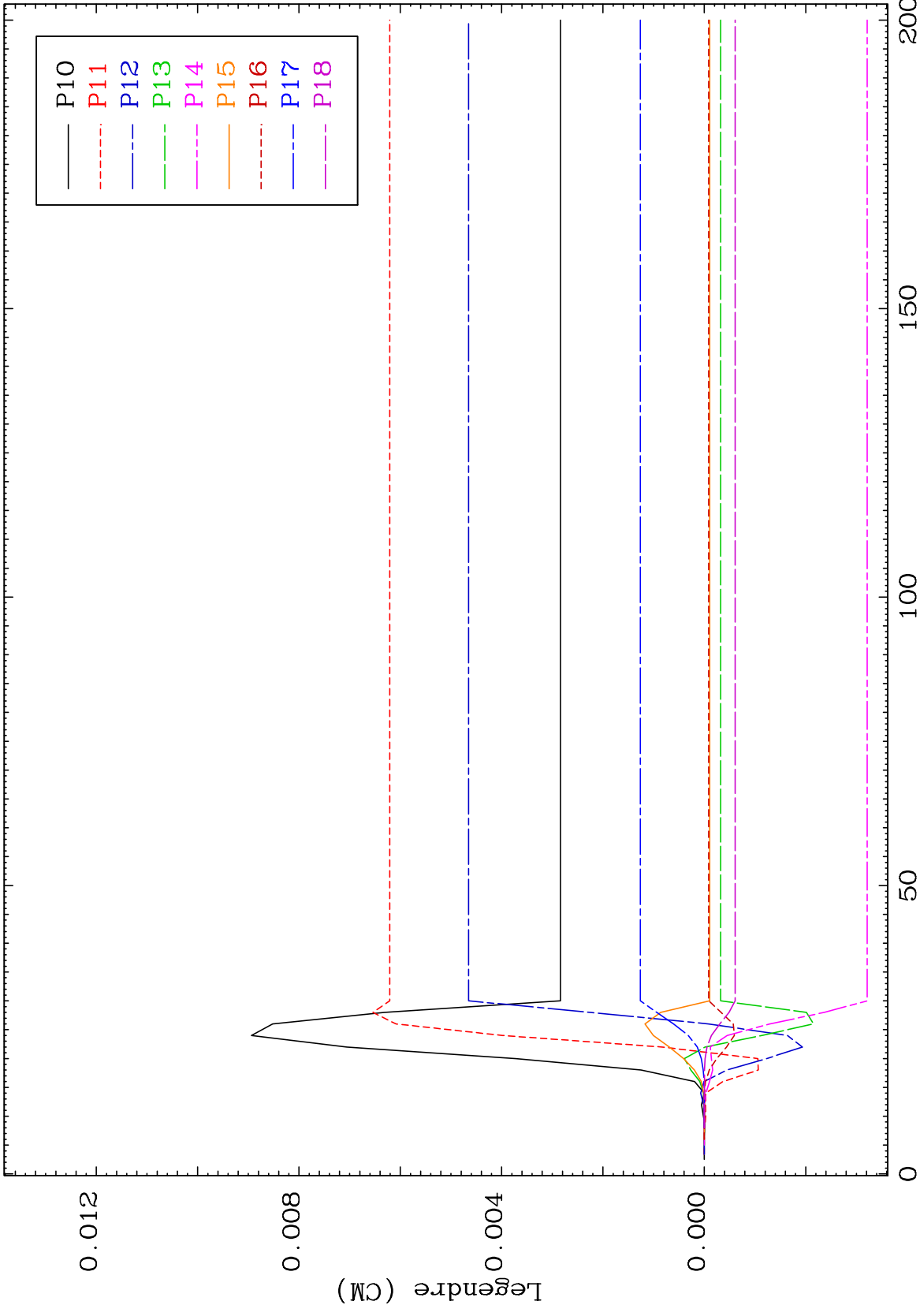
86-Rn-209



MAT 8619

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

86-Rn-209



64

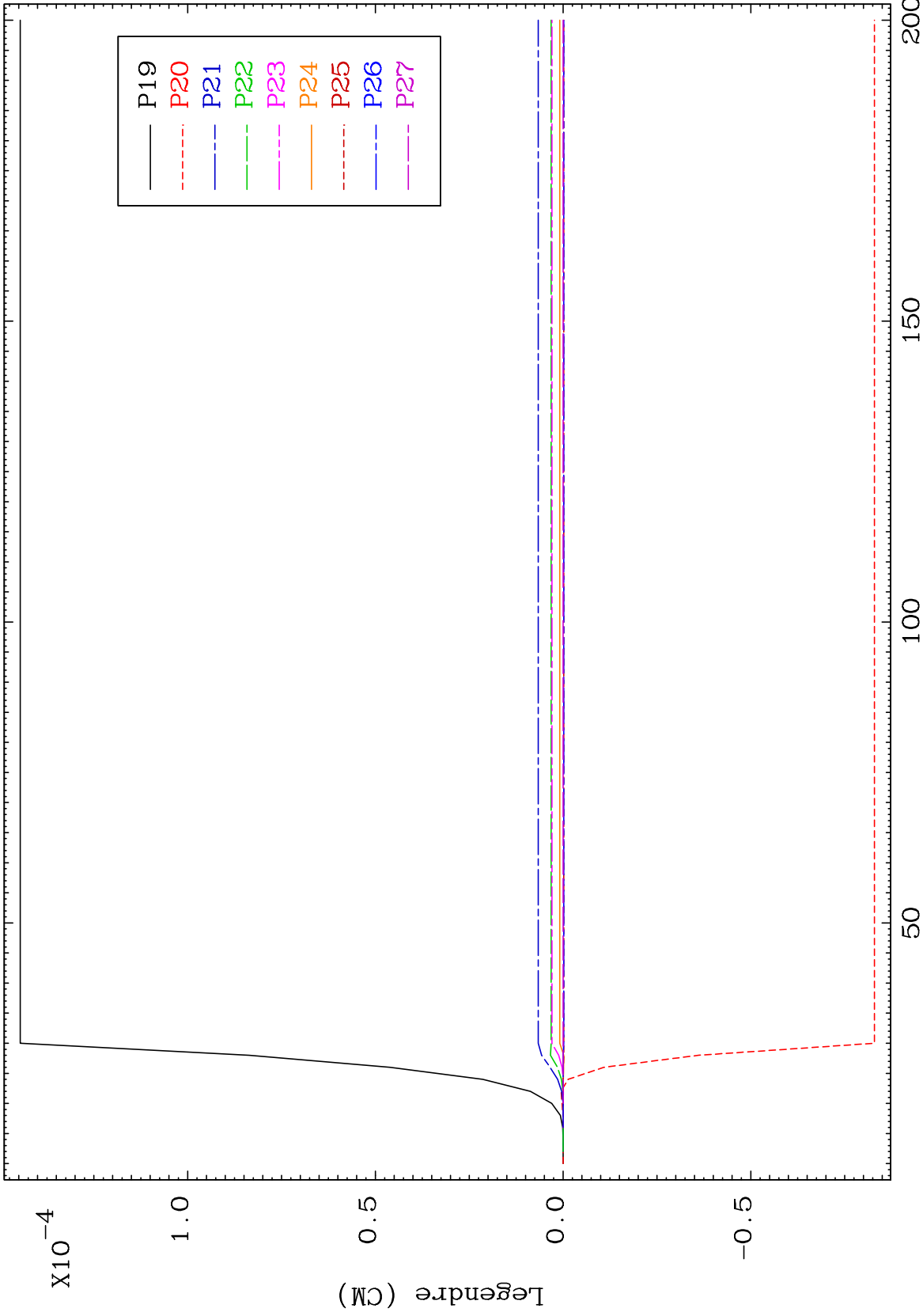
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209

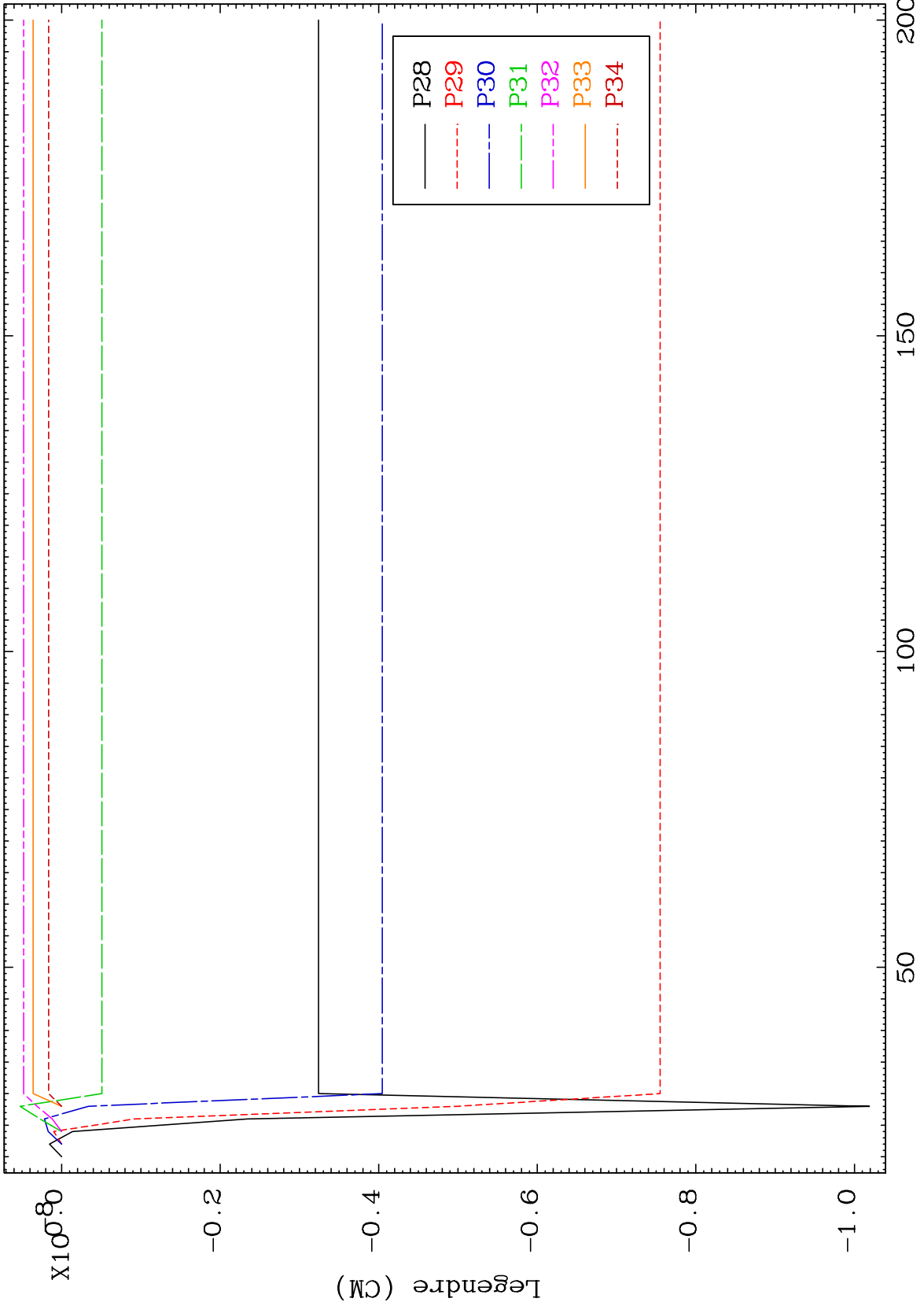


65

Incident Energy (MeV)

86-Rn-209

MAT 8619 MT= 62 (n,n') Level Legendre Coefficients 86-Rn-209

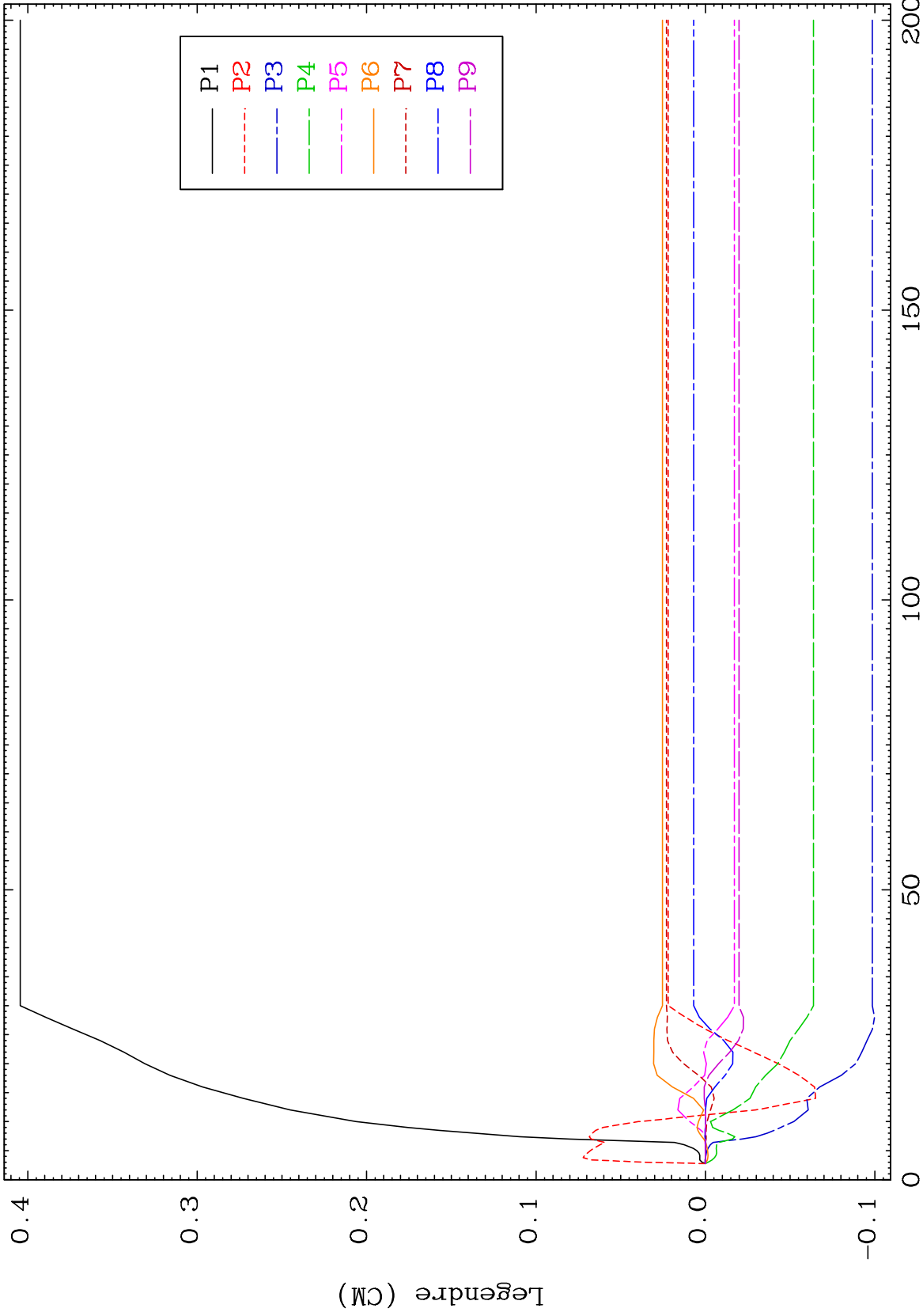


66 86-Rn-209

MAT 8619

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

86-Rn-209



67

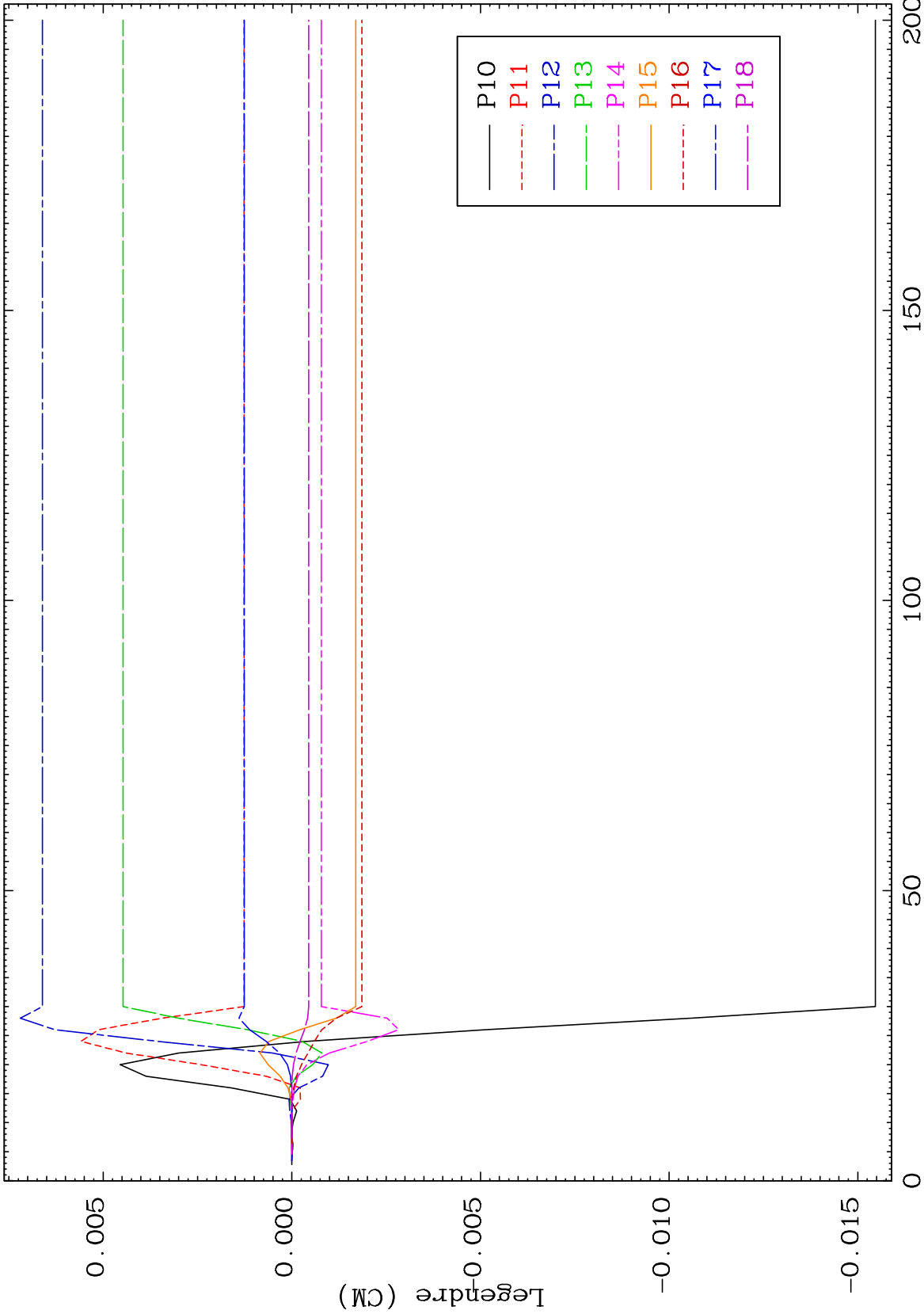
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



68

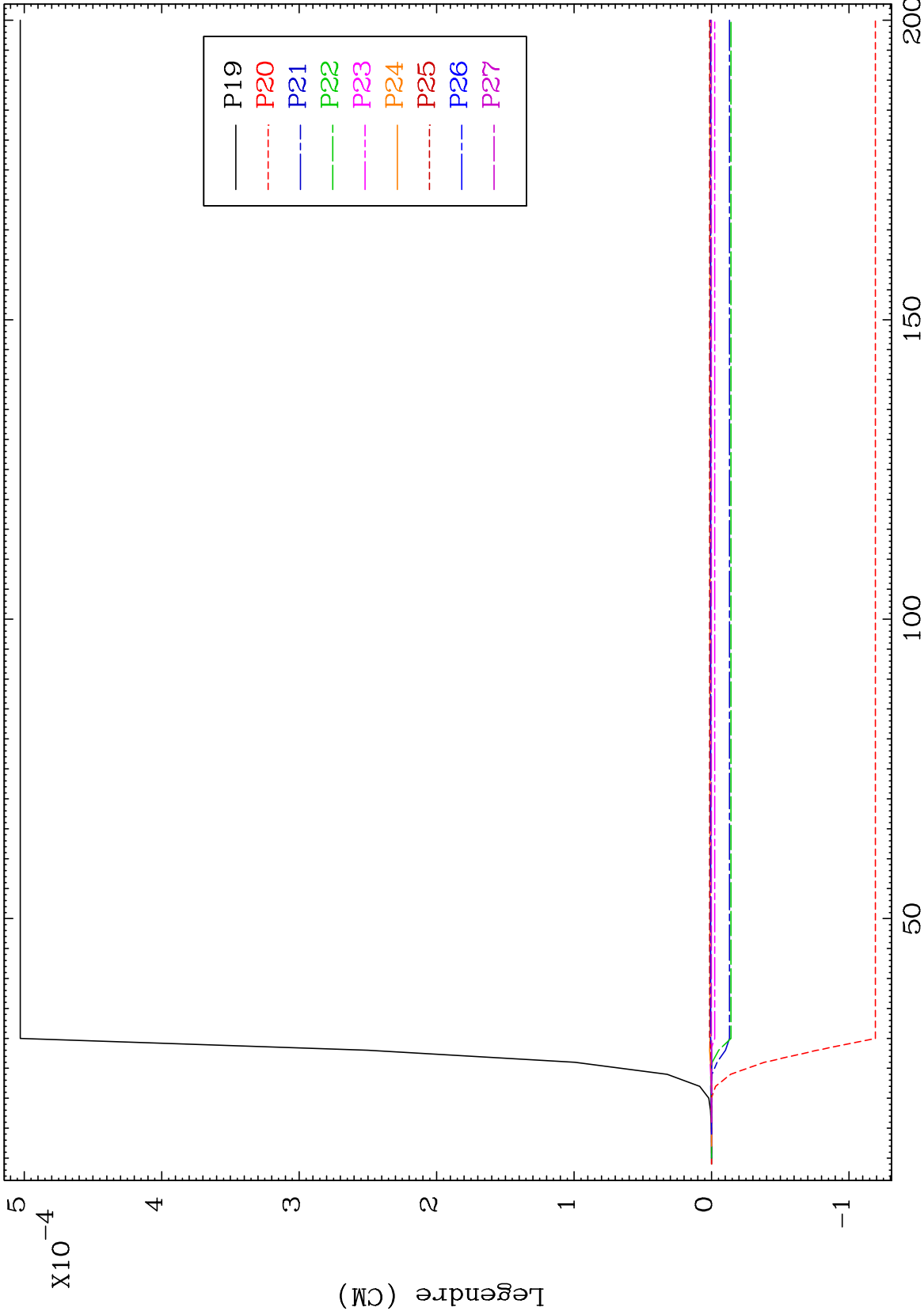
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



69

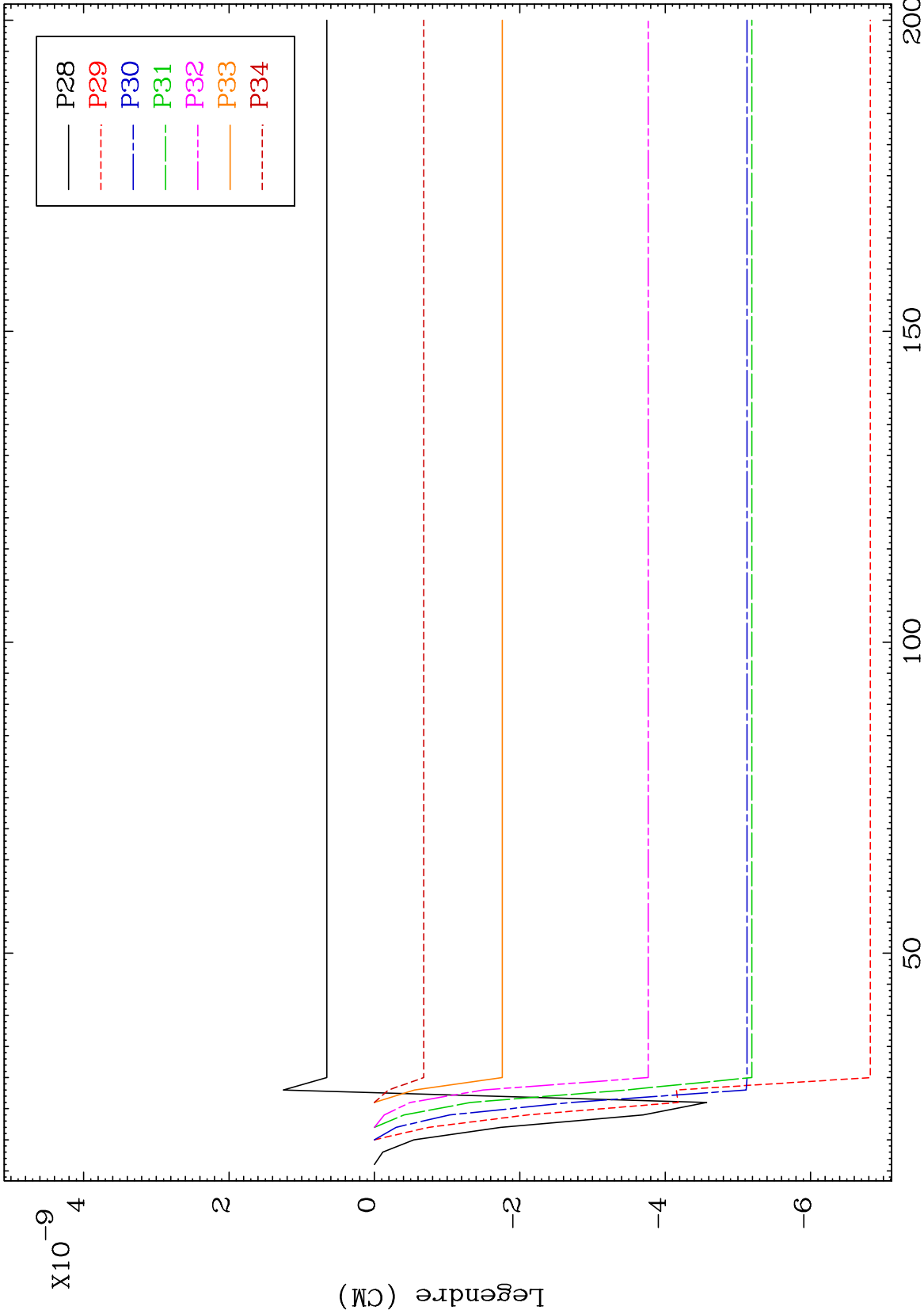
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



70

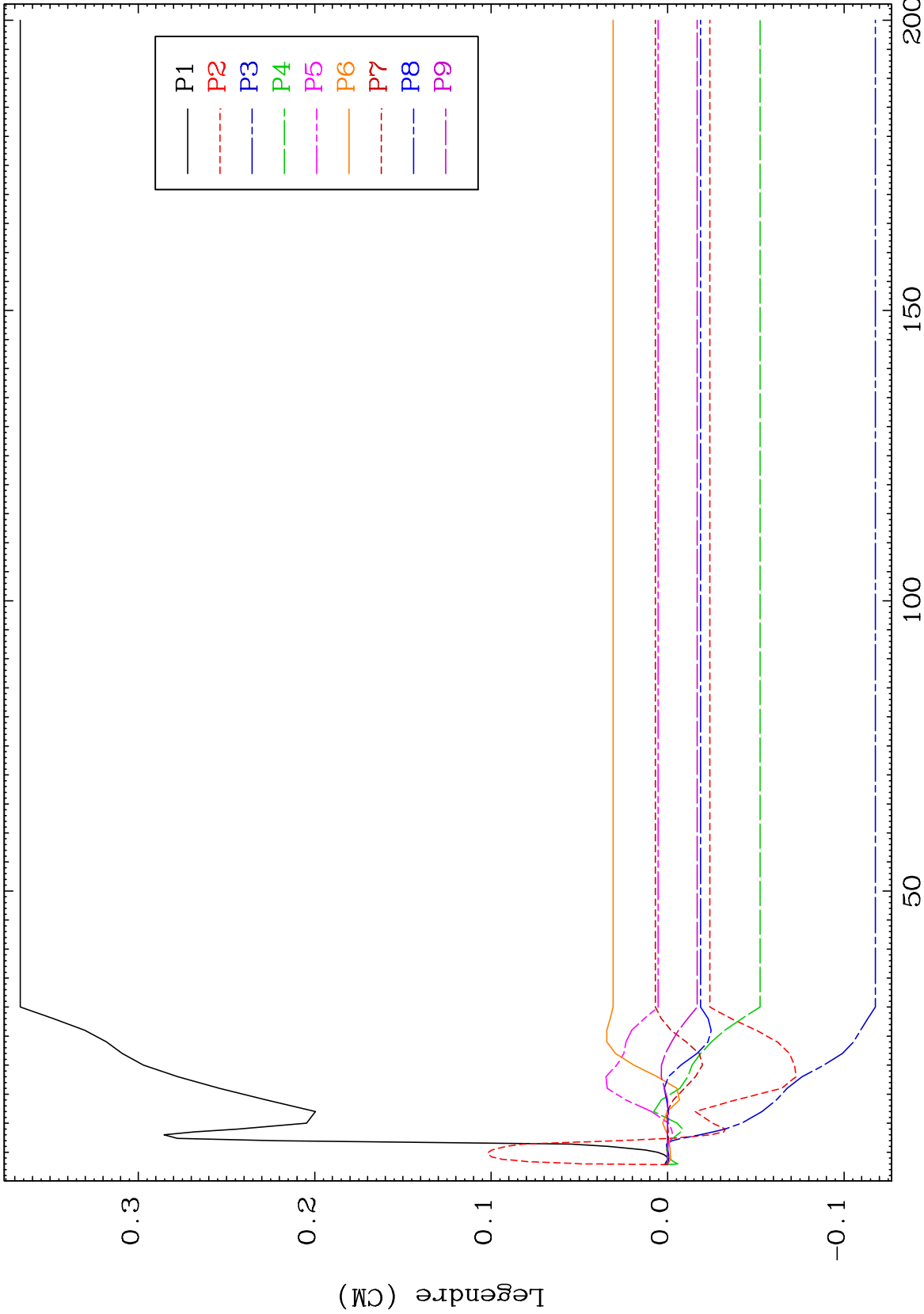
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



71

Incident Energy (MeV)

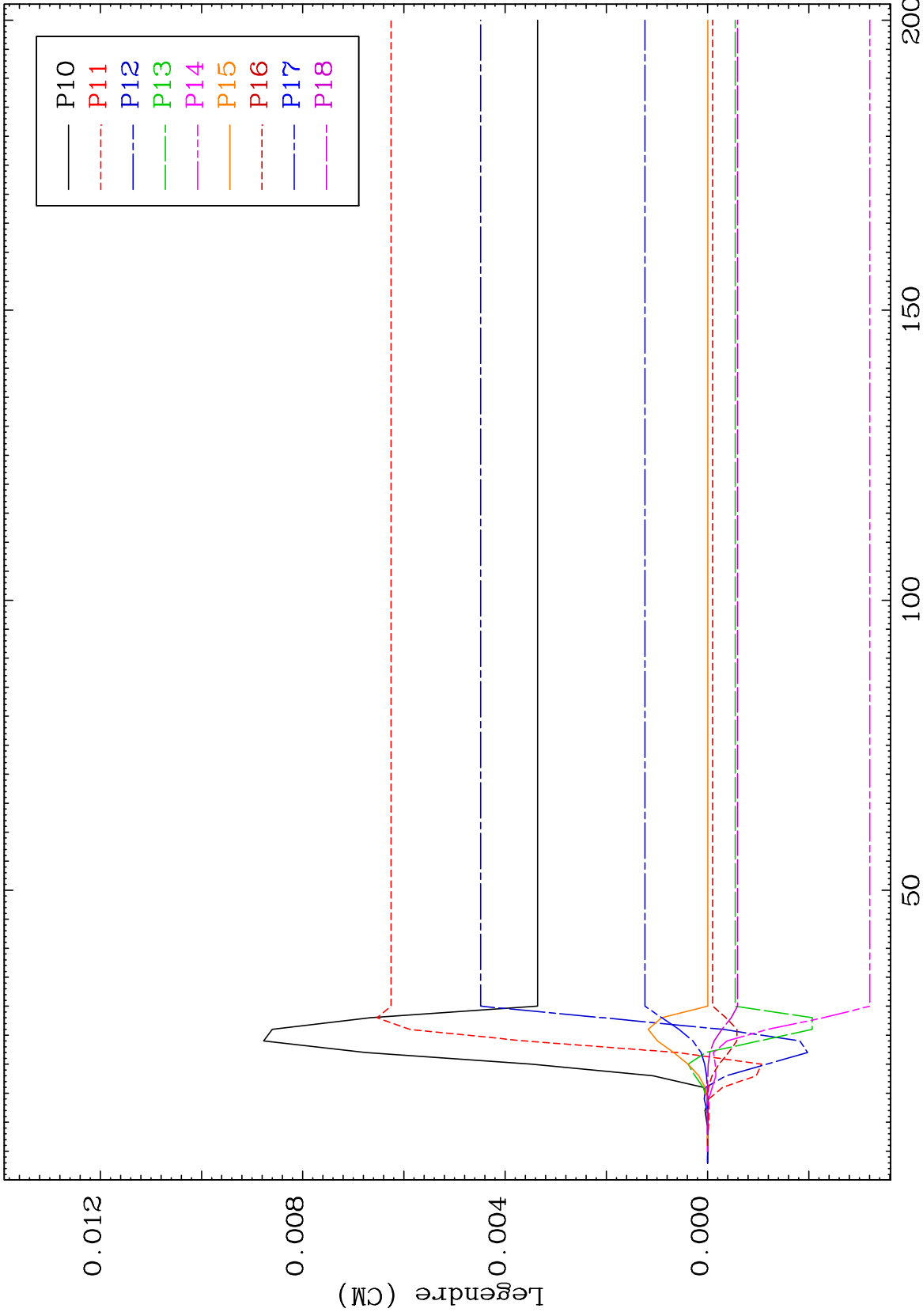
86-Rn-209



MAT 8619

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

86-Rn-209



72

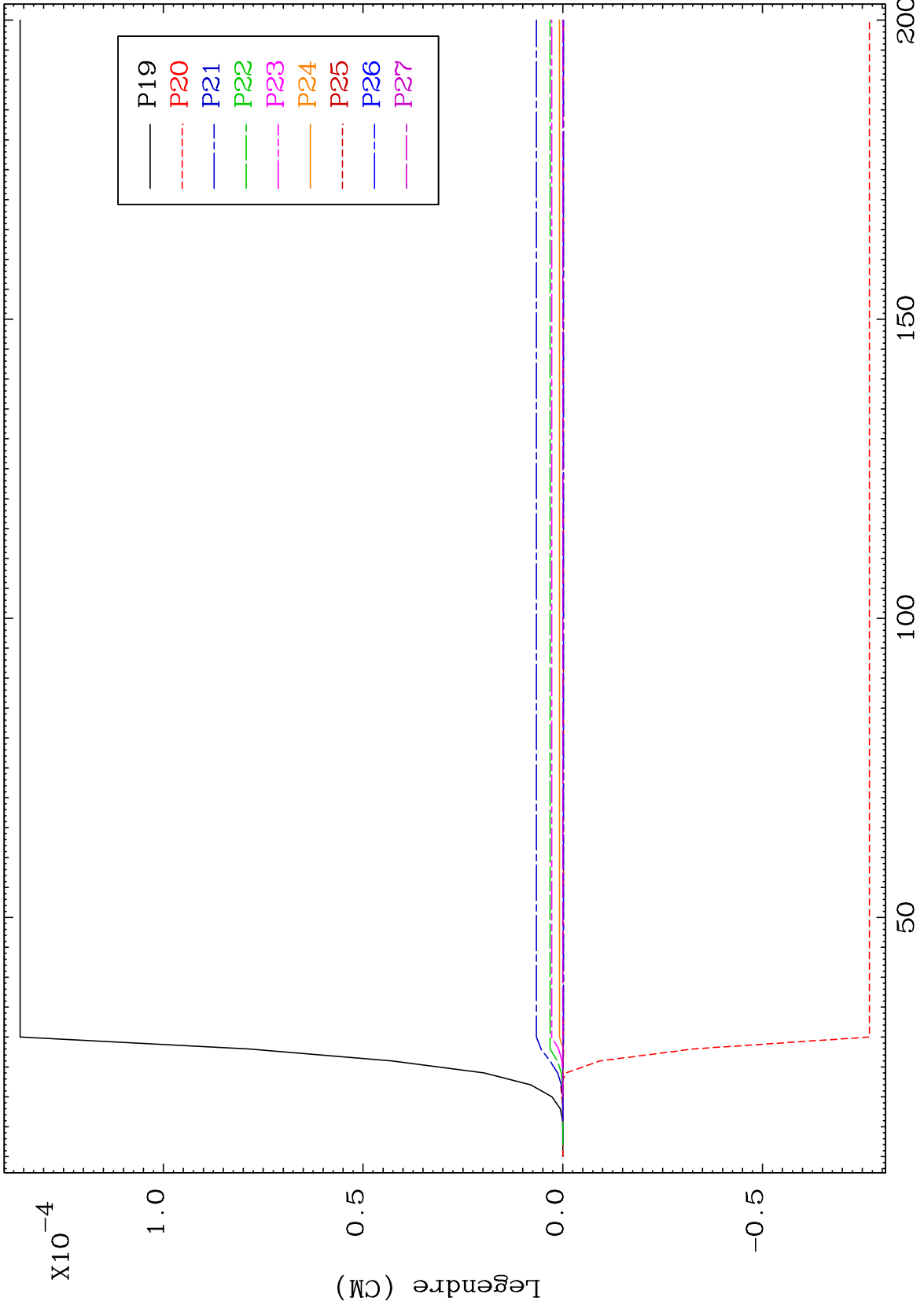
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

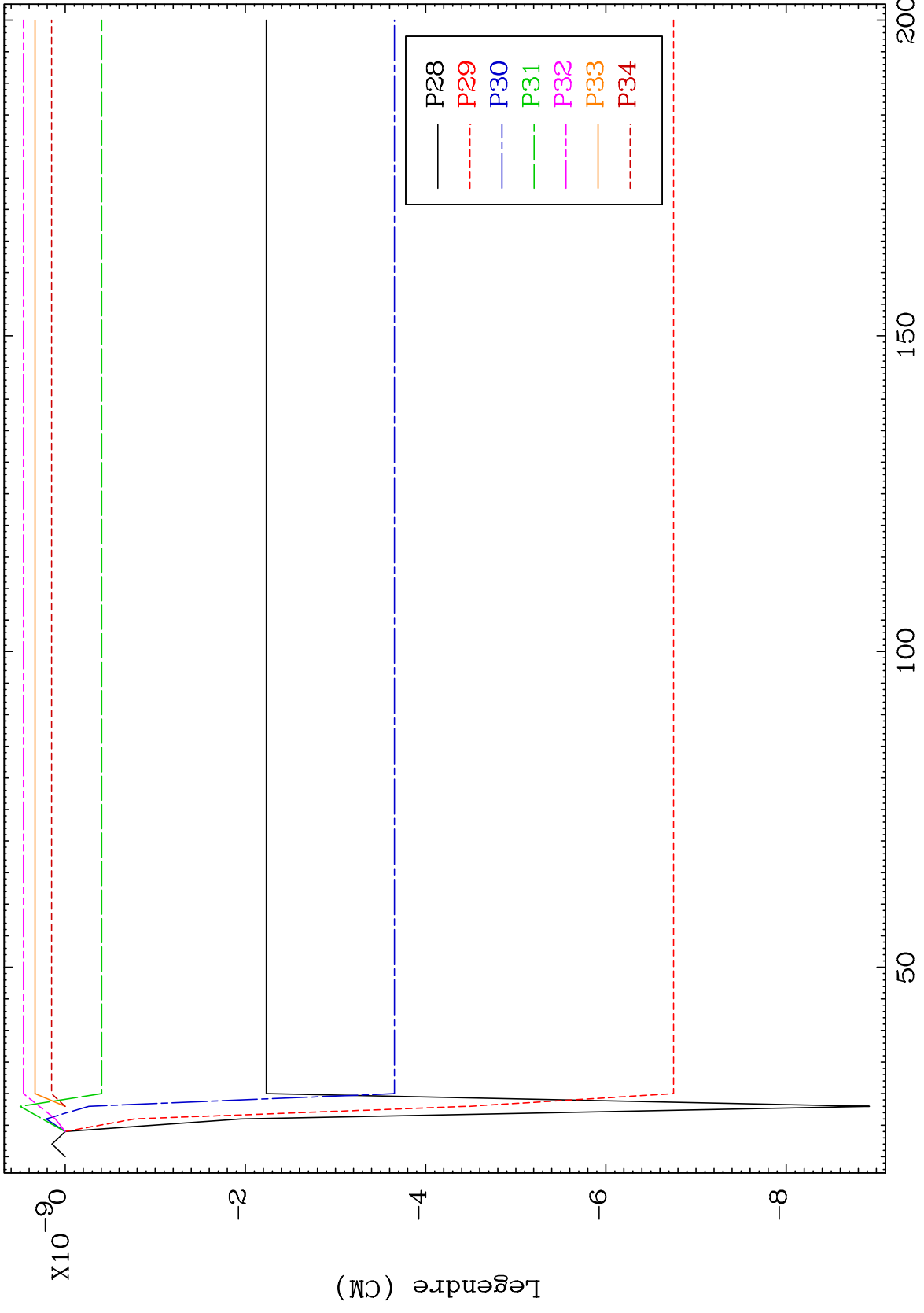
86-Rn-209



73

86-Rn-209

MAT 8619 MT= 64 (n,n') Level Legendre Coefficients 86-Rn-209

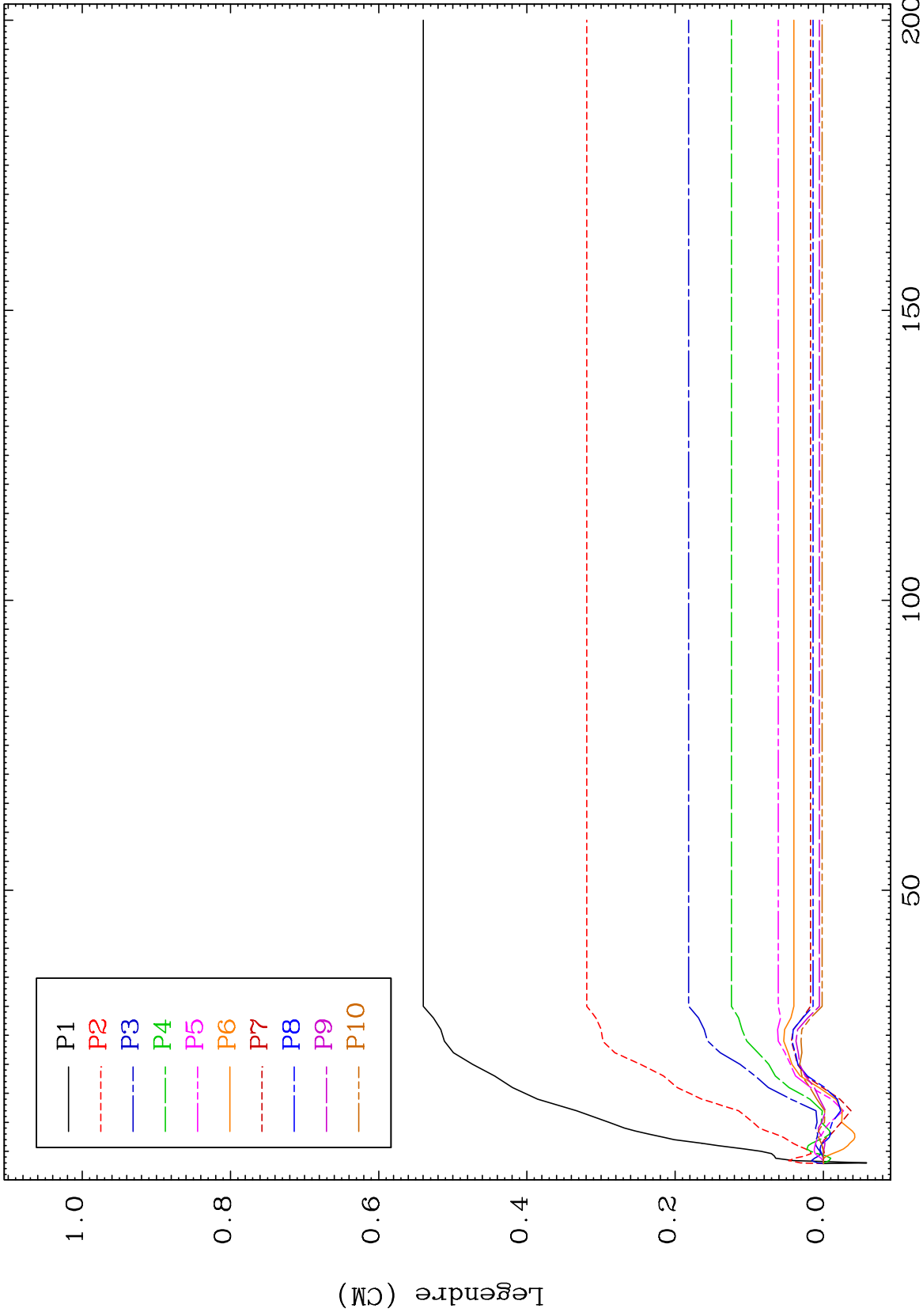


74 86-Rn-209

MAT 8619

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

86-Rn-209



75

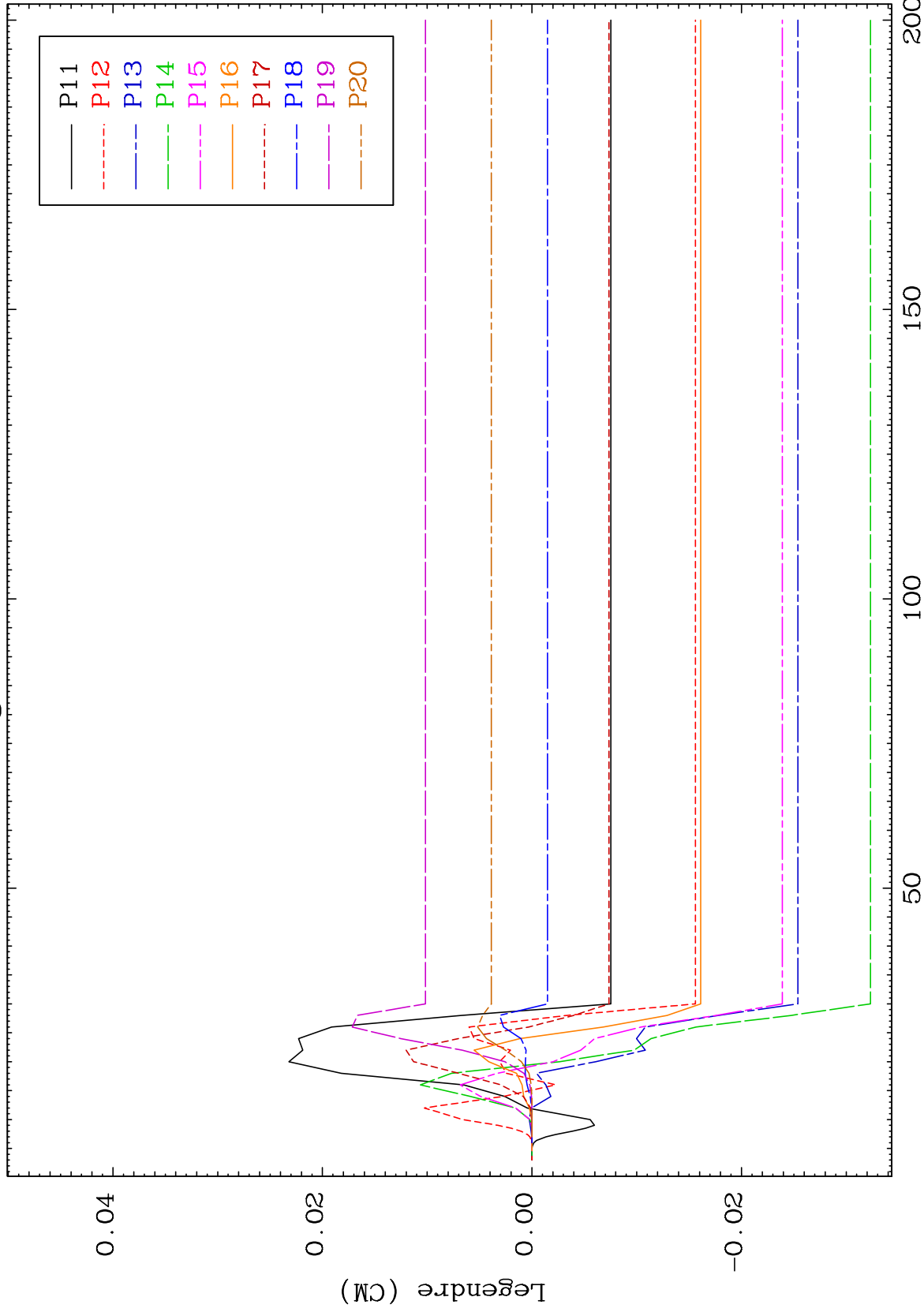
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



76

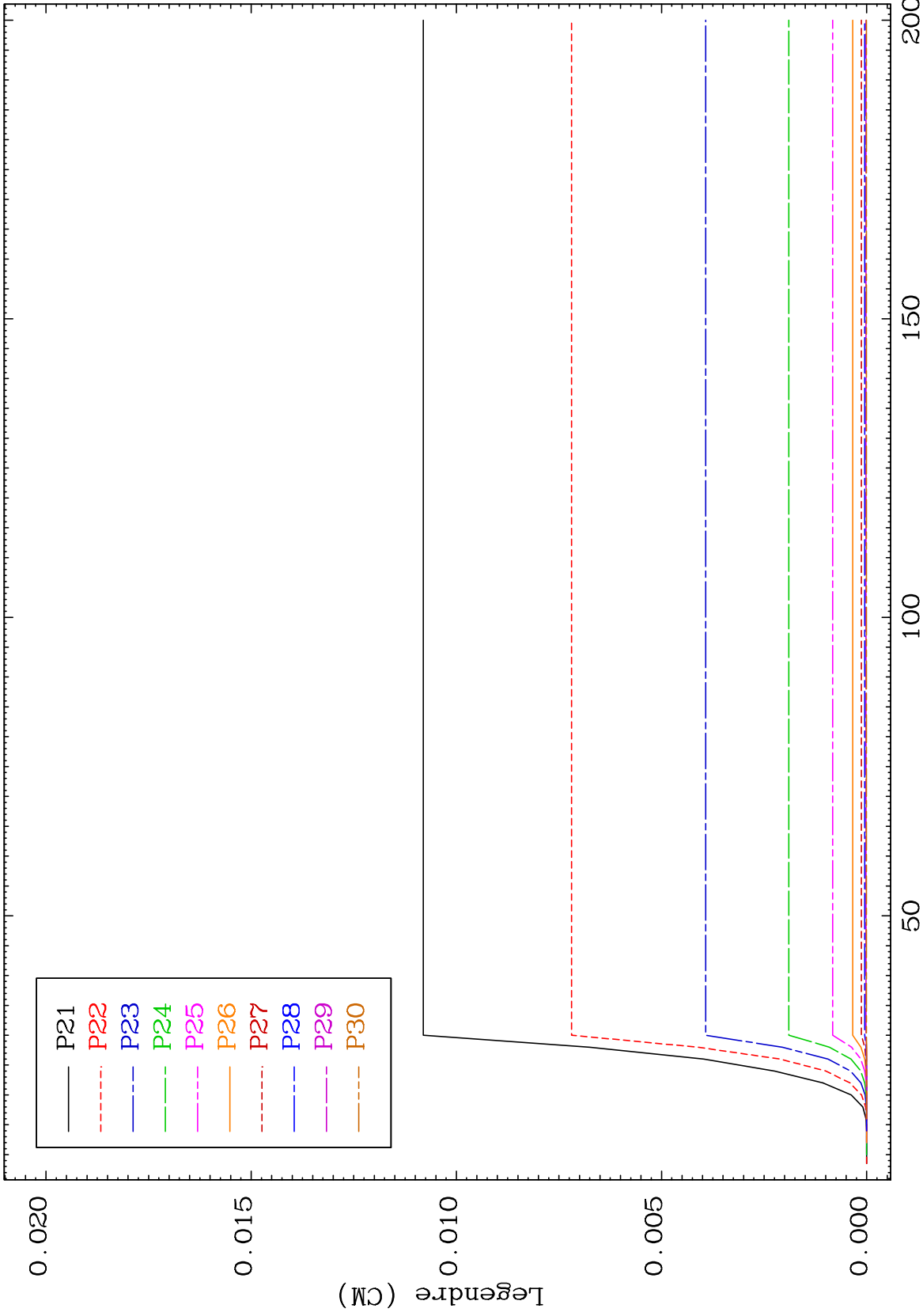
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

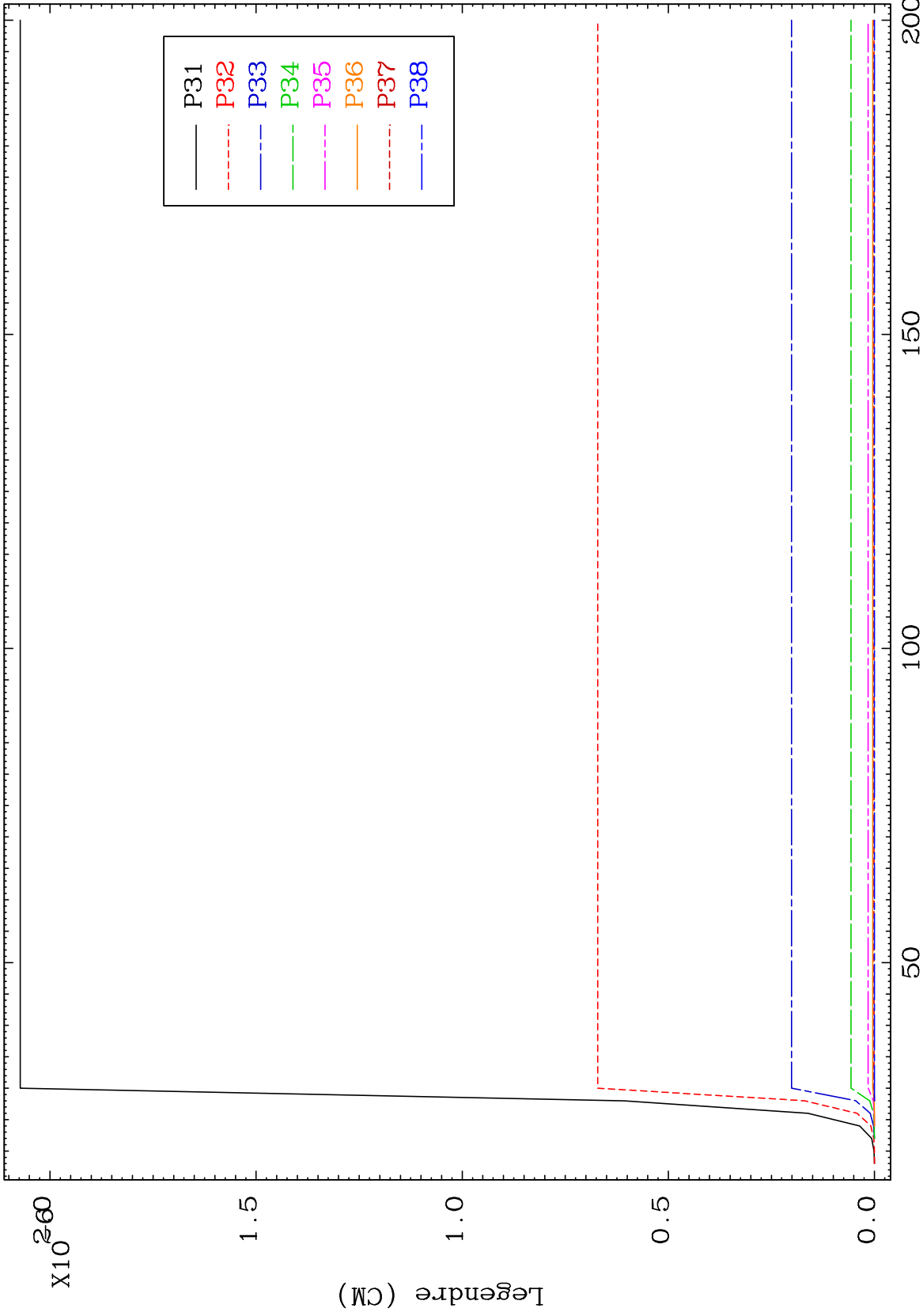
86-Rn-209



MAT 8619

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

86-Rn-209



78

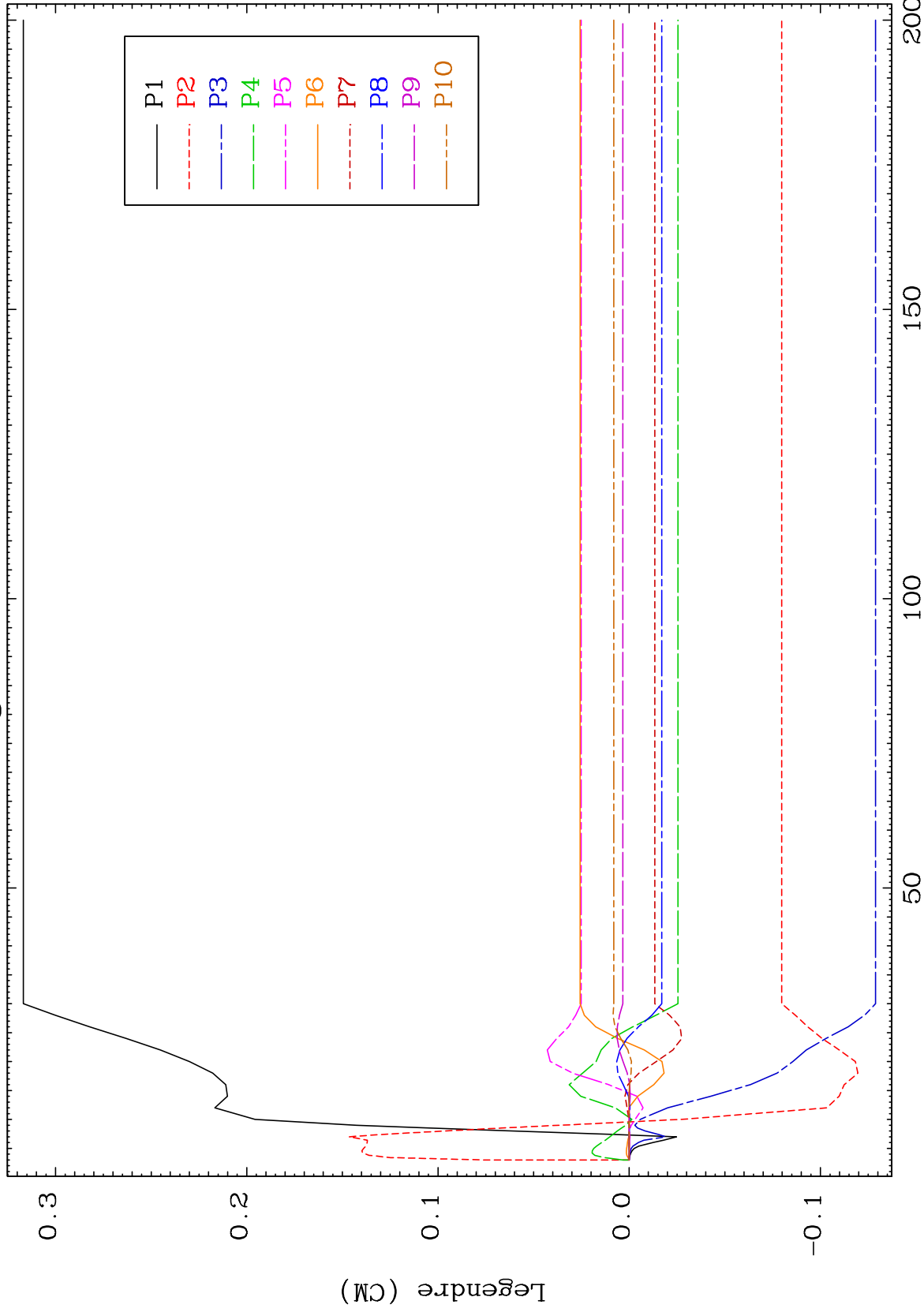
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



79

Incident Energy (MeV)

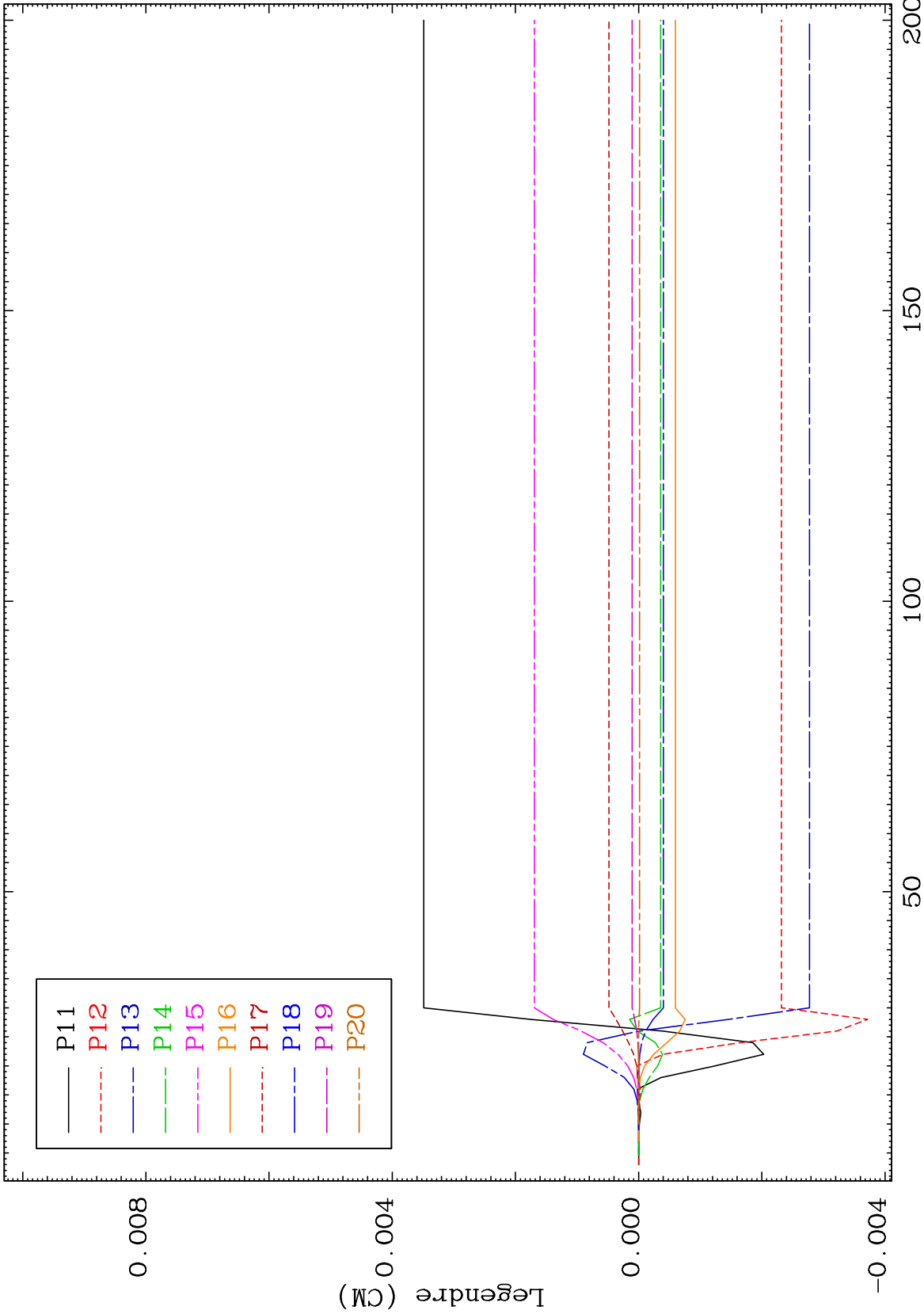
86-Rn-209



MAT 8619

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

86-Rn-209



80

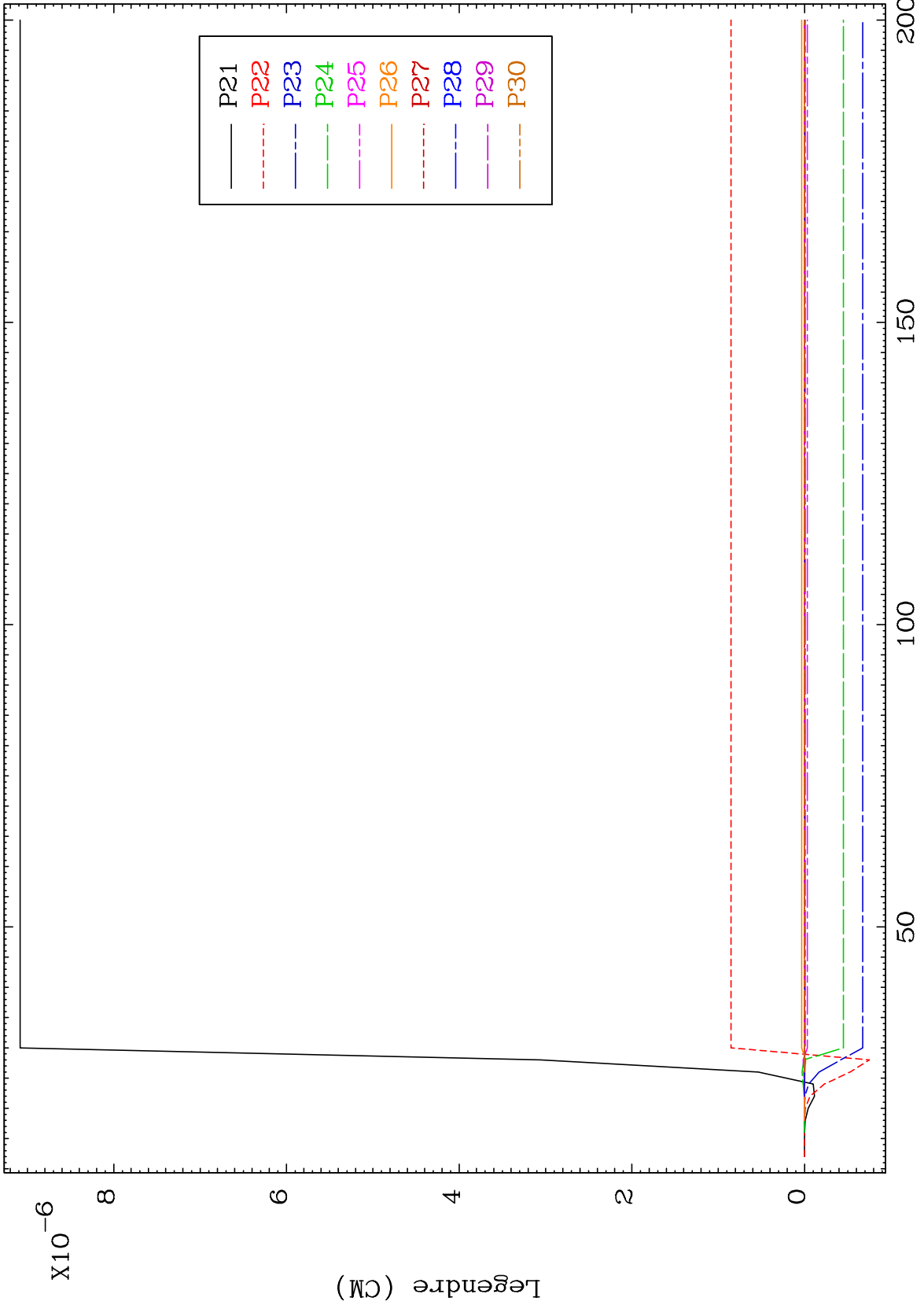
Incident Energy (MeV)

86-Rn-209

MAT 8619

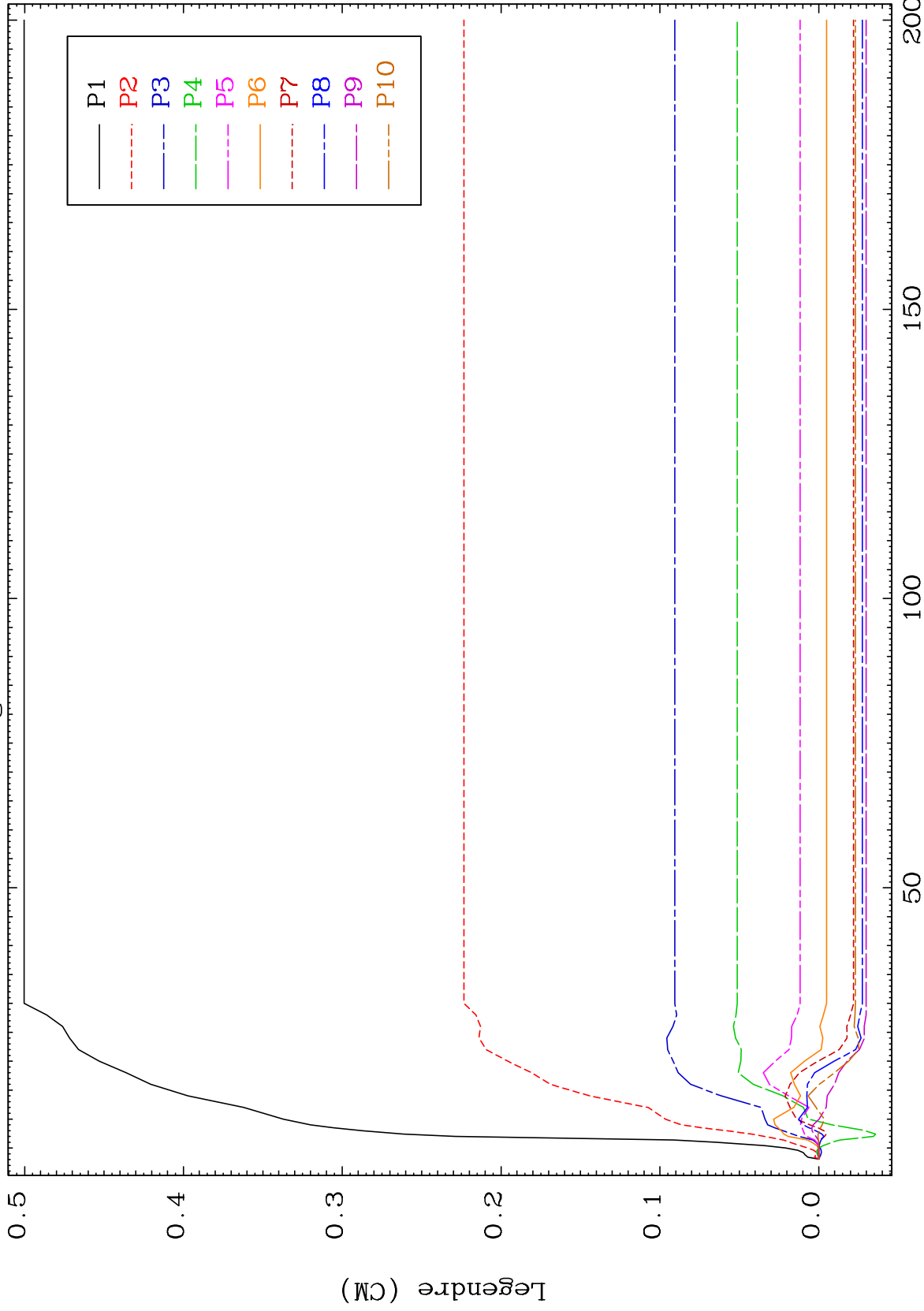
MT= 66 (n,n') Level  
Legendre Coefficients

86-Rn-209



81

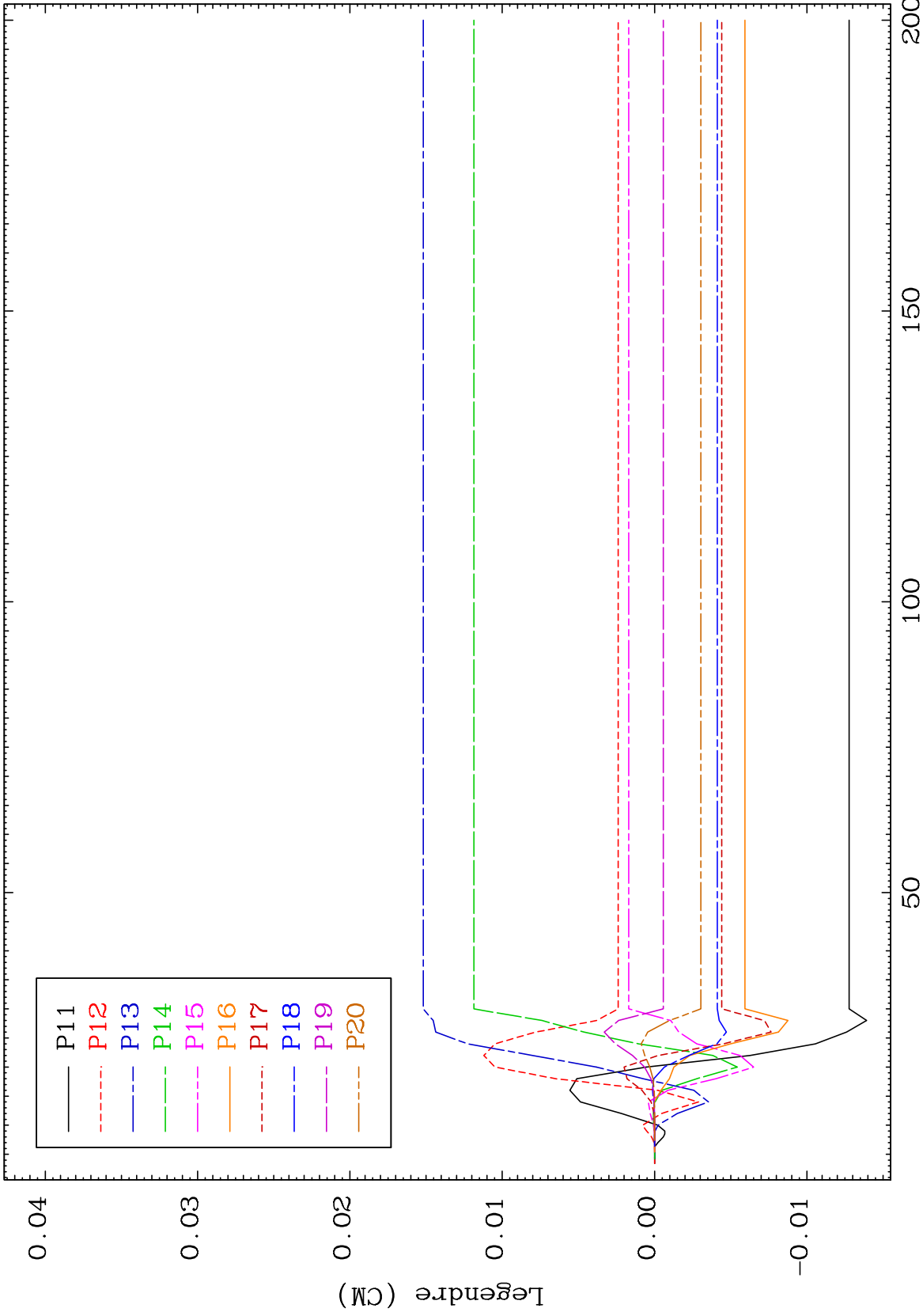
86-Rn-209



MAT 8619

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

86-Rn-209



83

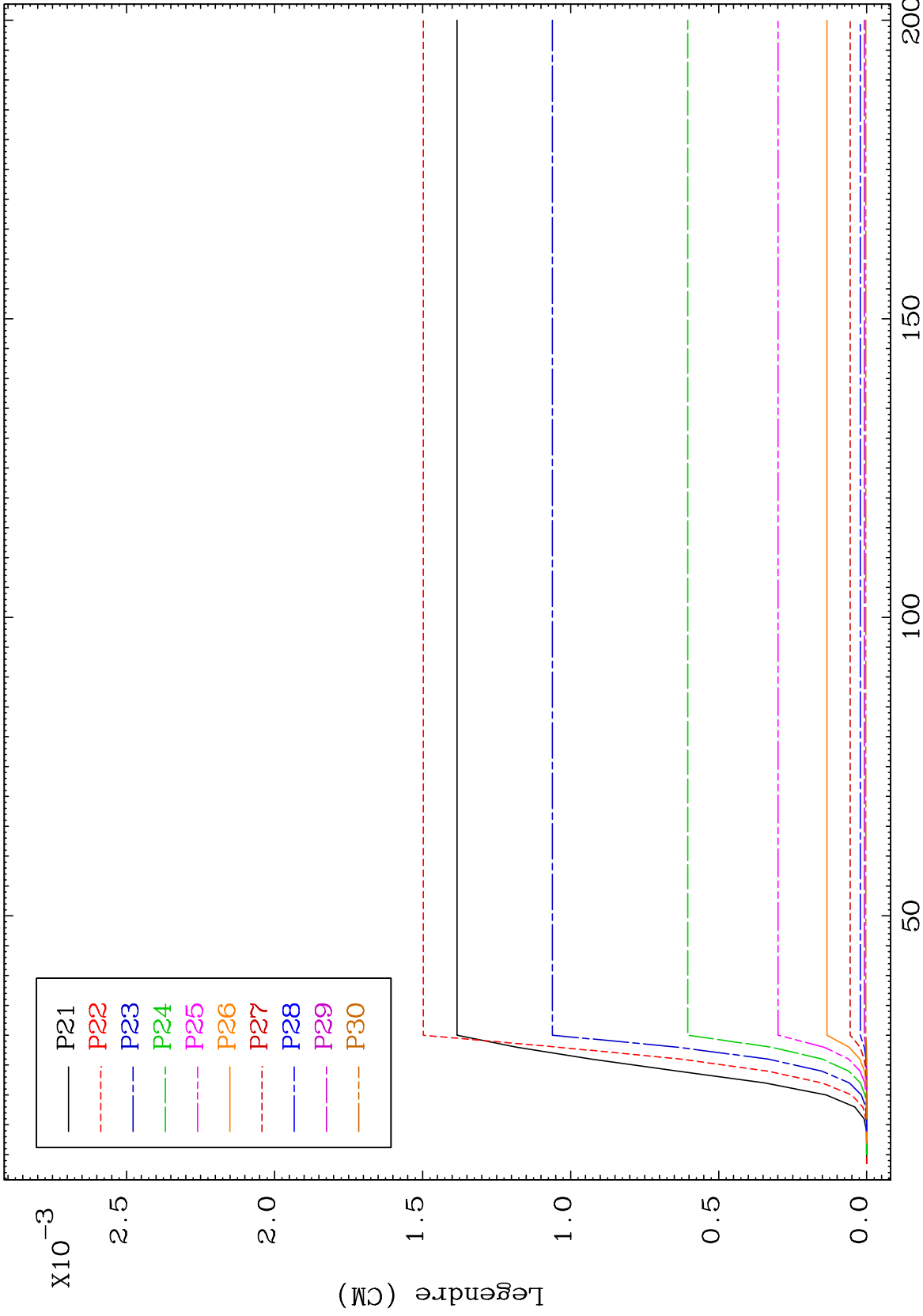
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



84

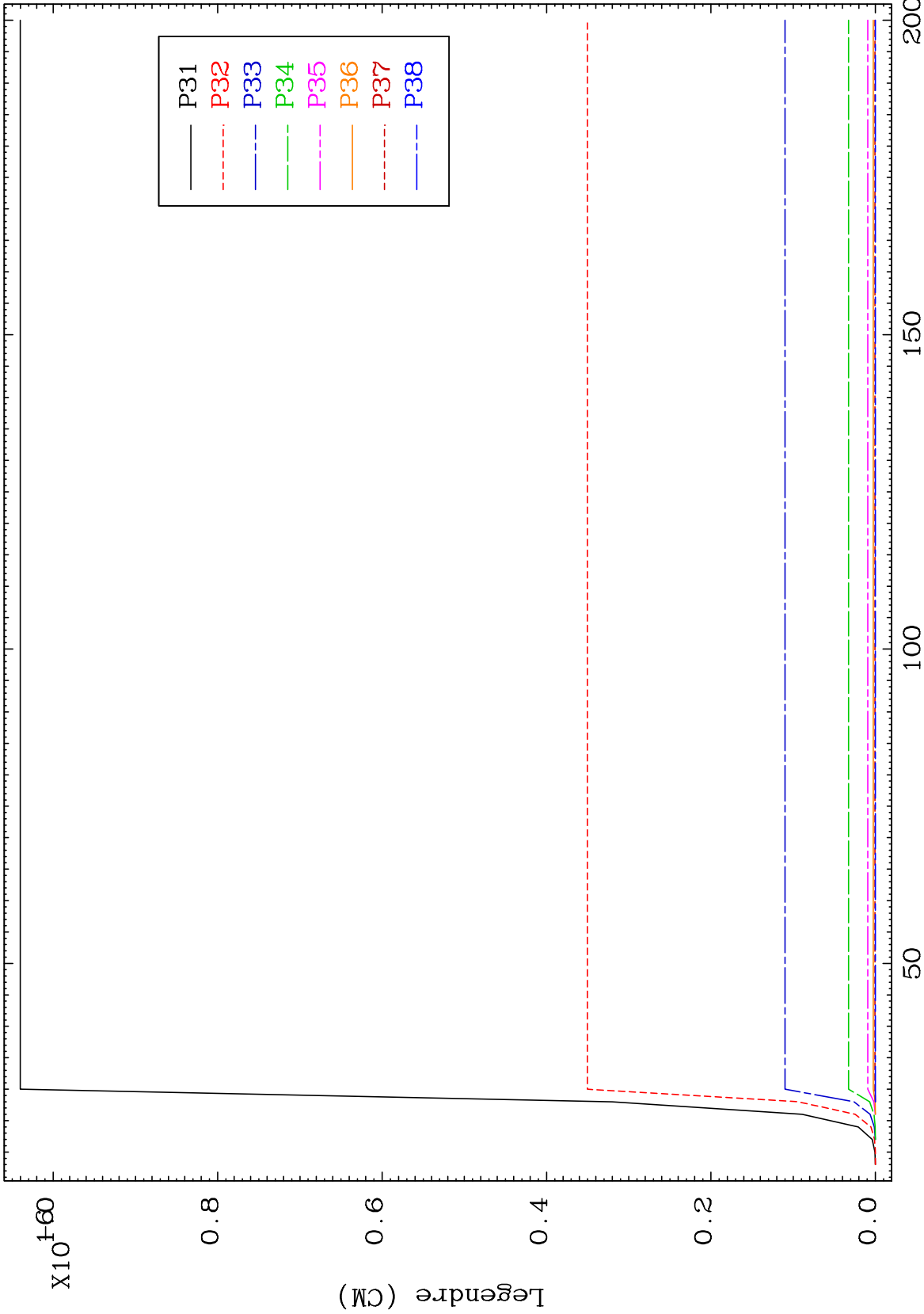
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



85

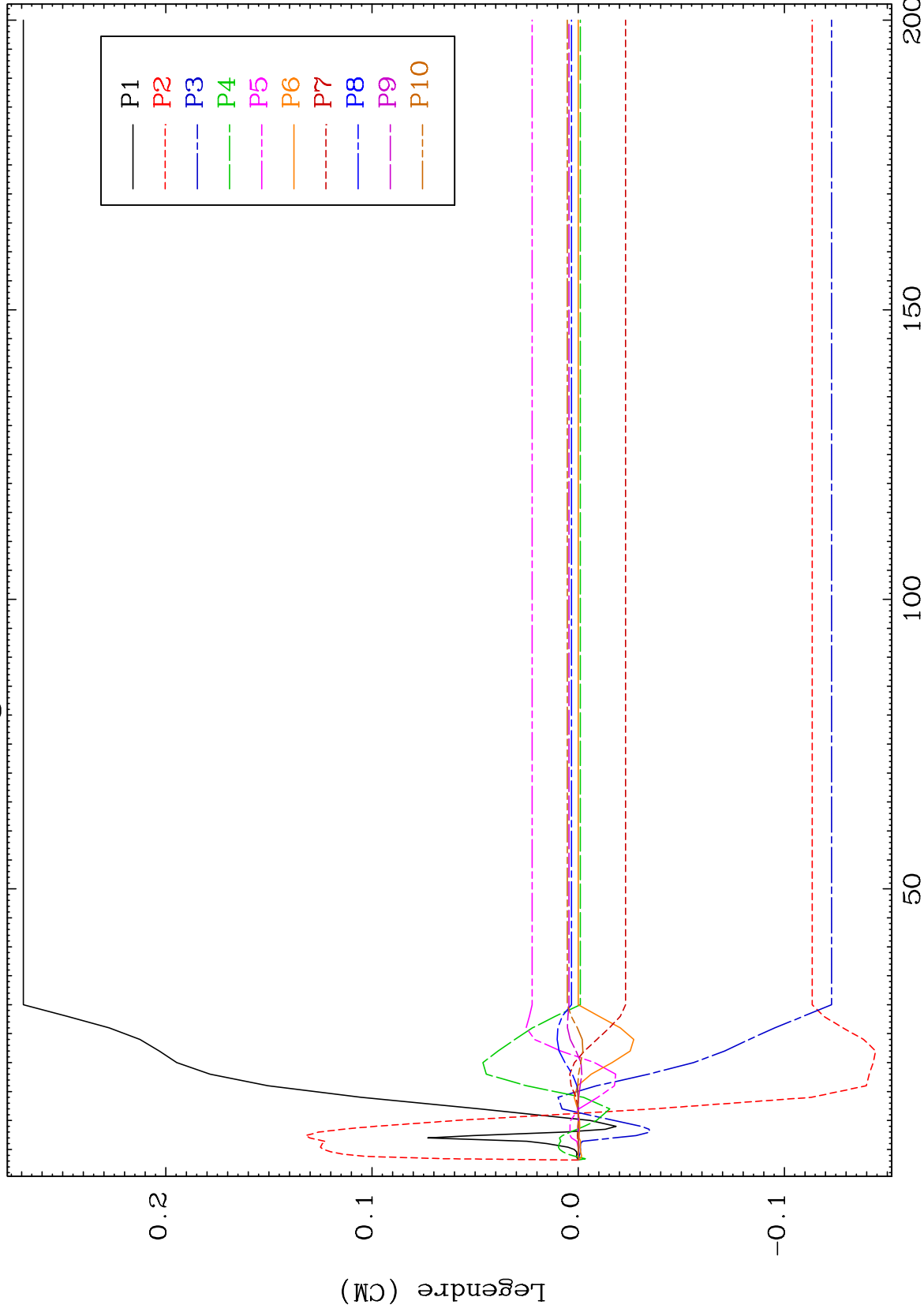
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



86

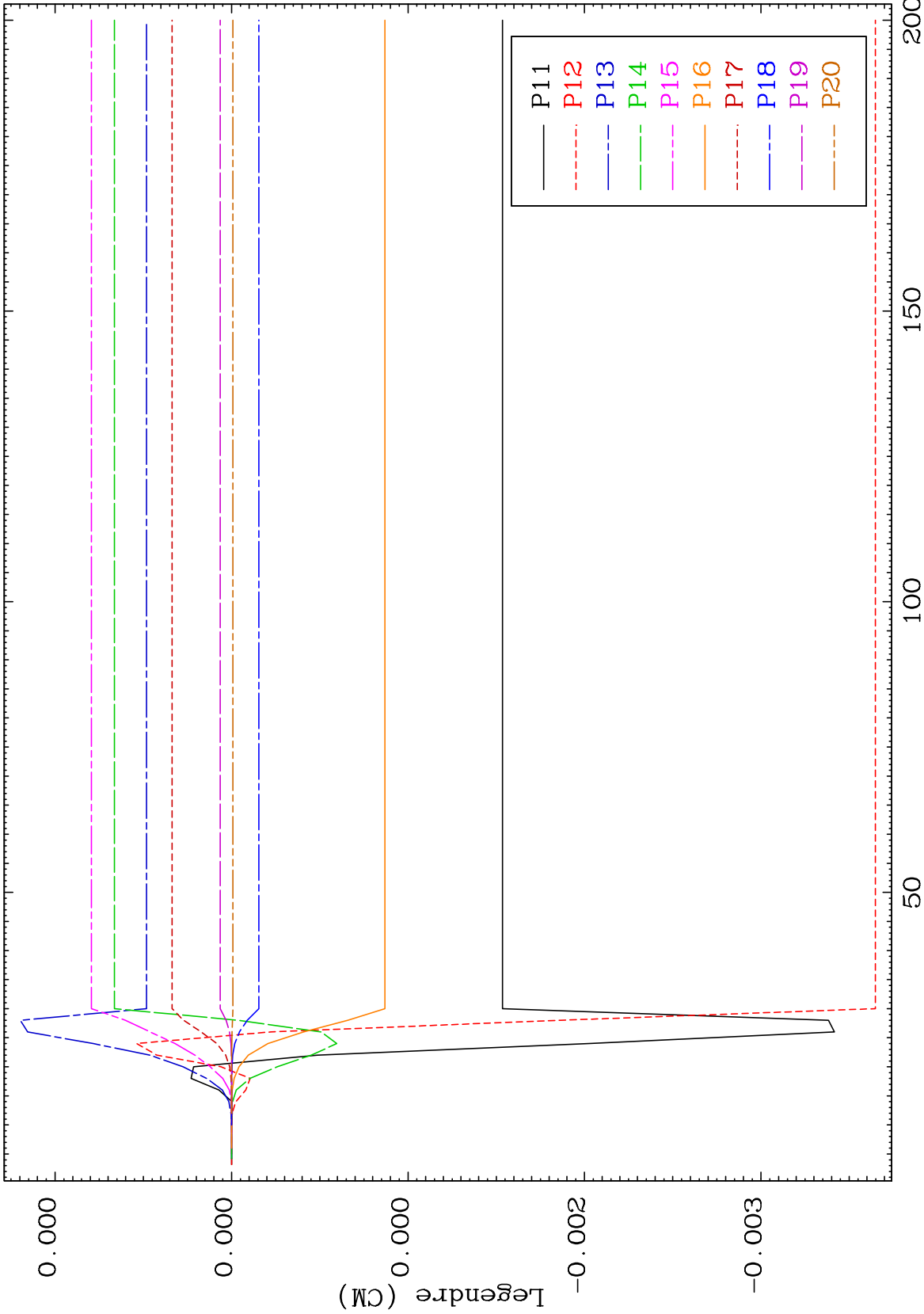
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



87

Incident Energy (MeV)

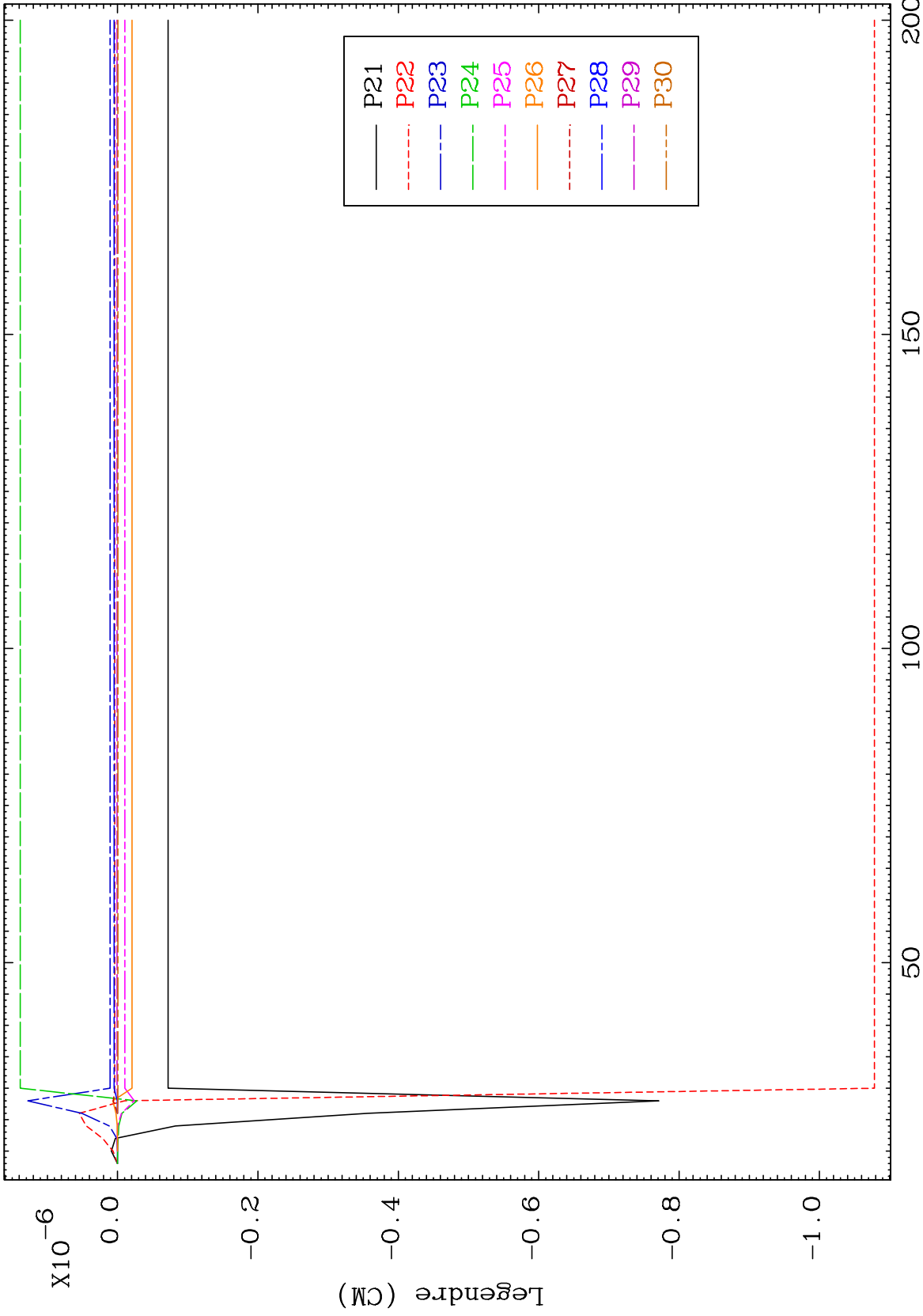
86-Rn-209



MAT 8619

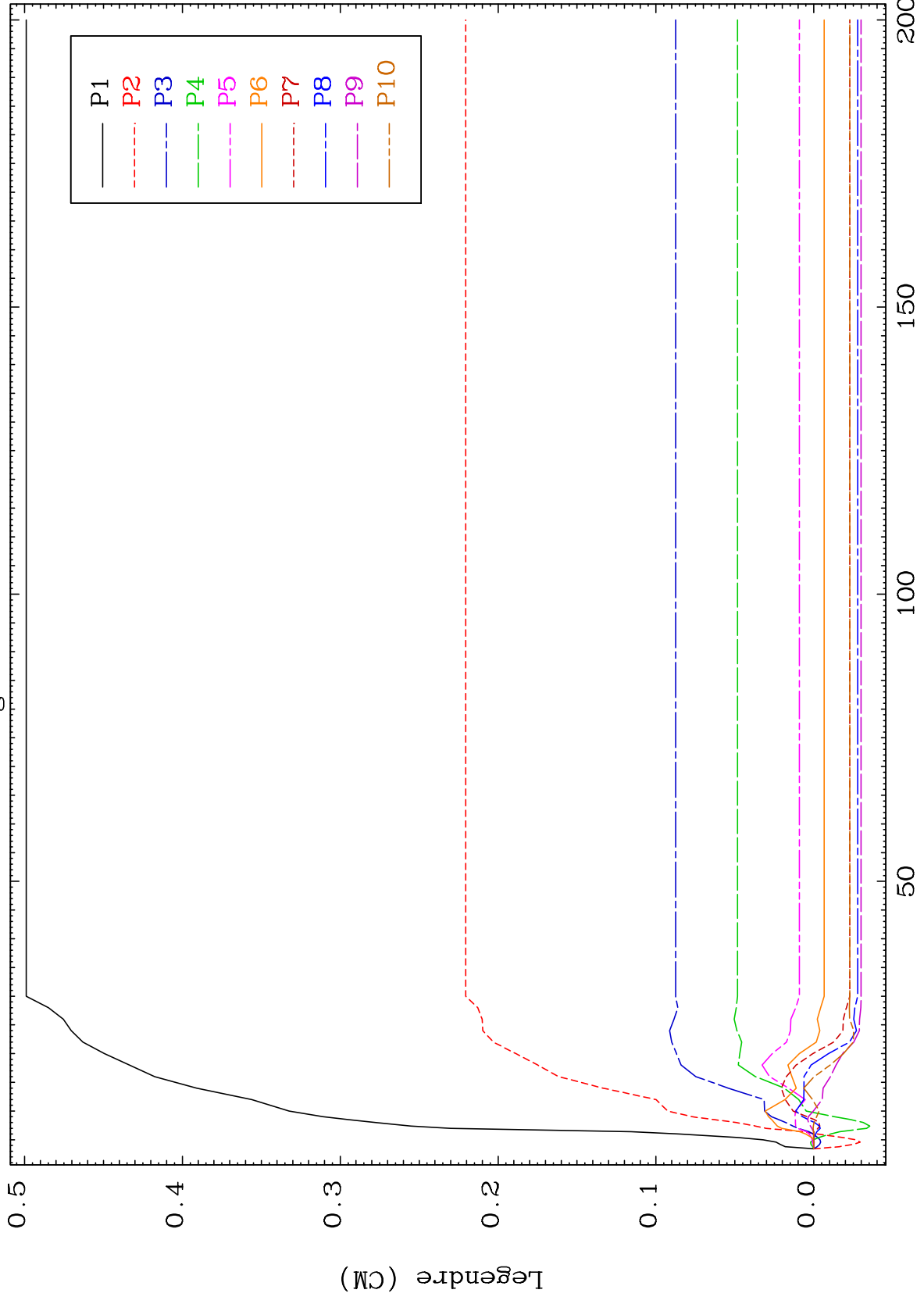
MT= 68 (n,n') Level  
Legendre Coefficients

86-Rn-209



88

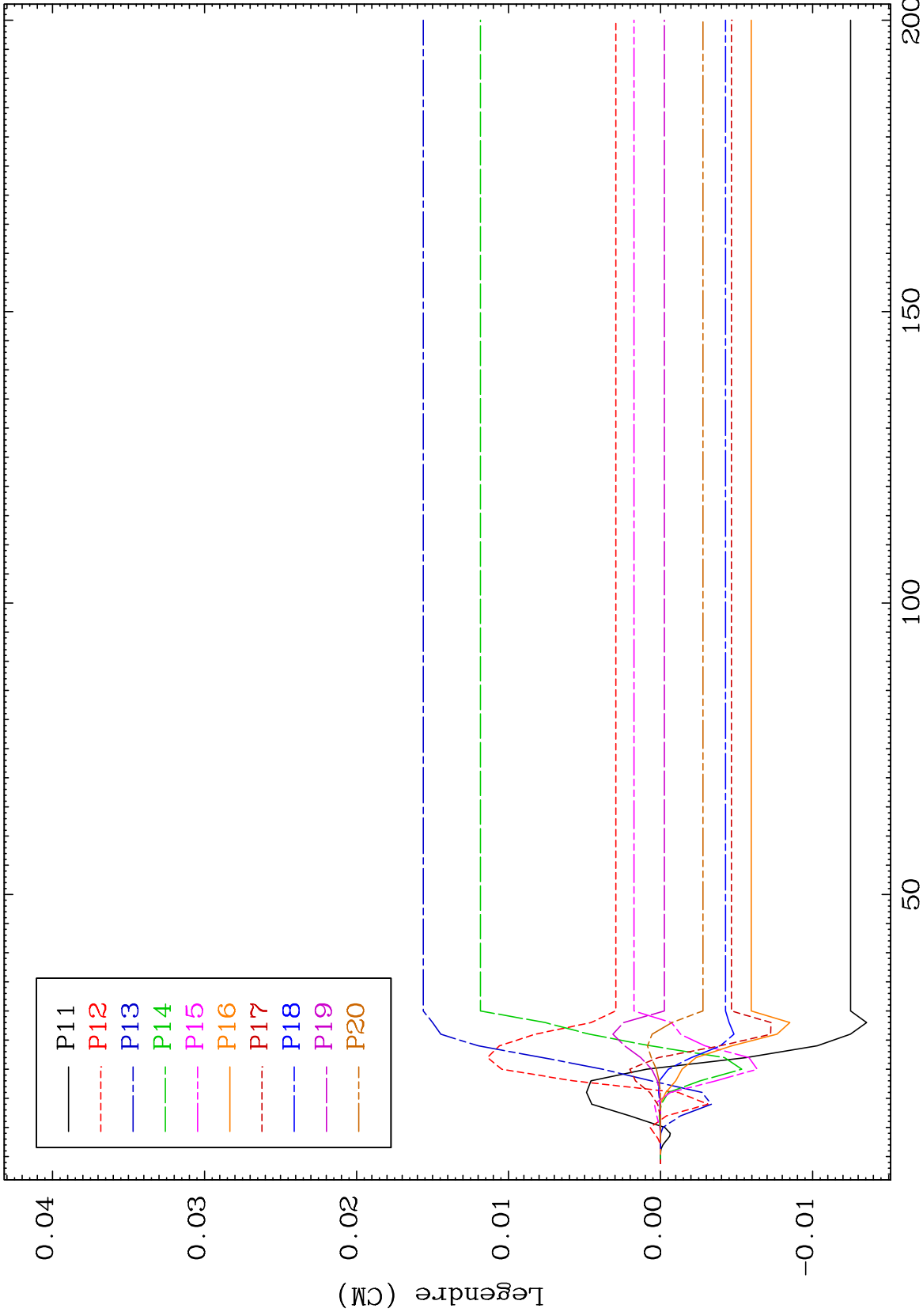
86-Rn-209



MAT 8619

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

86-Rn-209



90

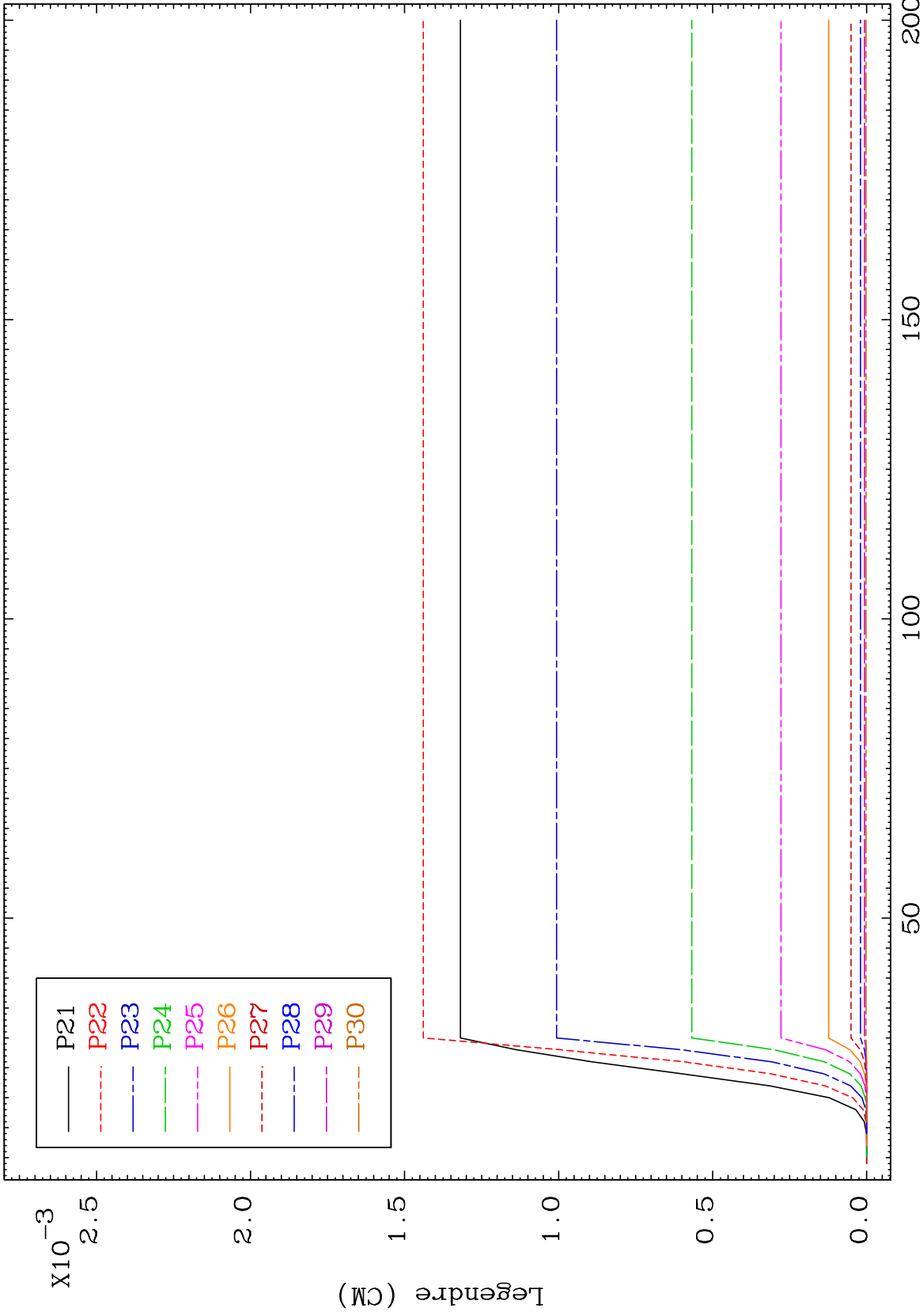
Incident Energy (MeV)

86-Rn-209

MAT 8619

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

86-Rn-209



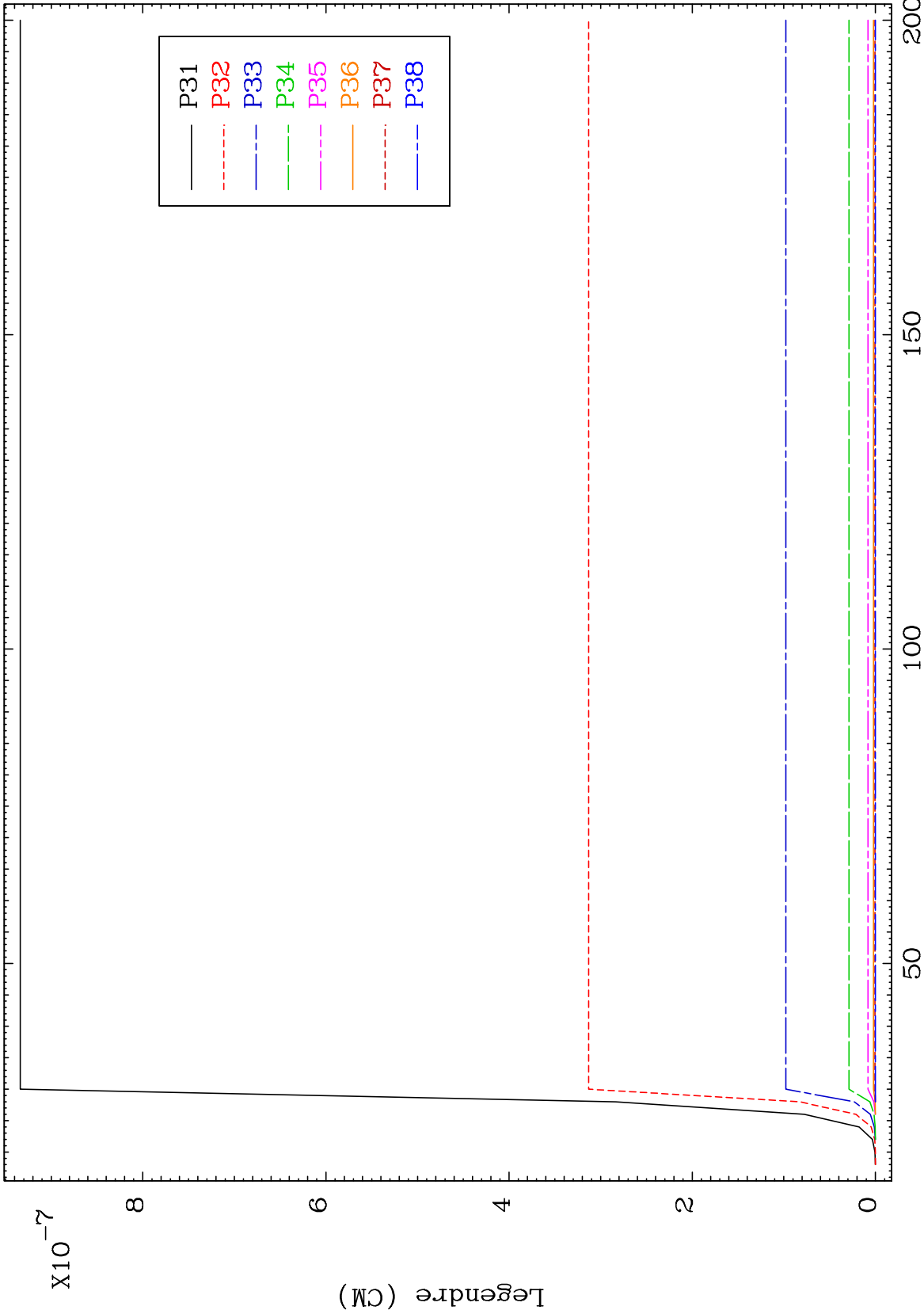
91

86-Rn-209

MAT 8619

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

86-Rn-209



92

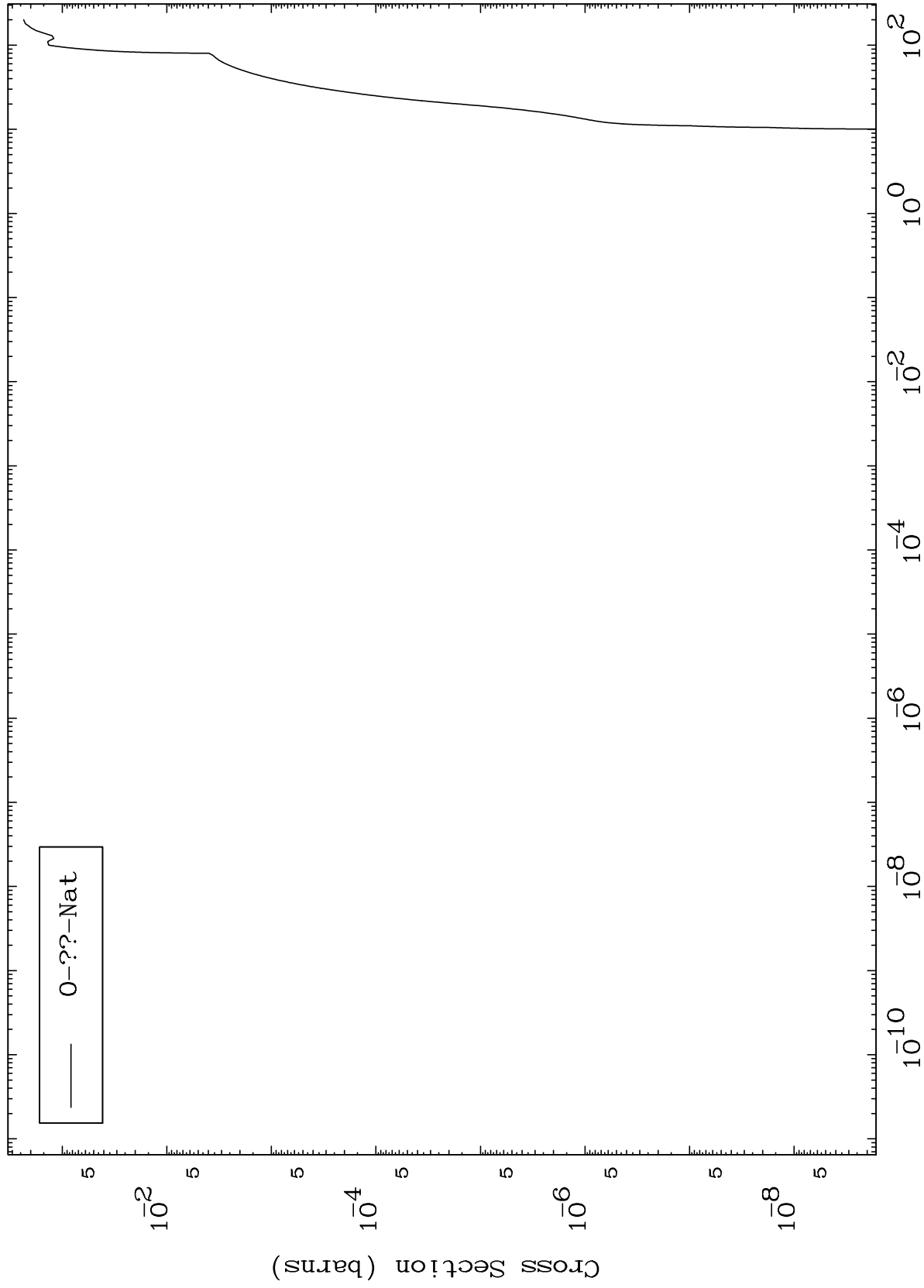
Incident Energy (MeV)

86-Rn-209

MAT 8619

Fission  
Radionuclide Production Cross Section

86-Rn-209



93

Incident Energy (MeV)

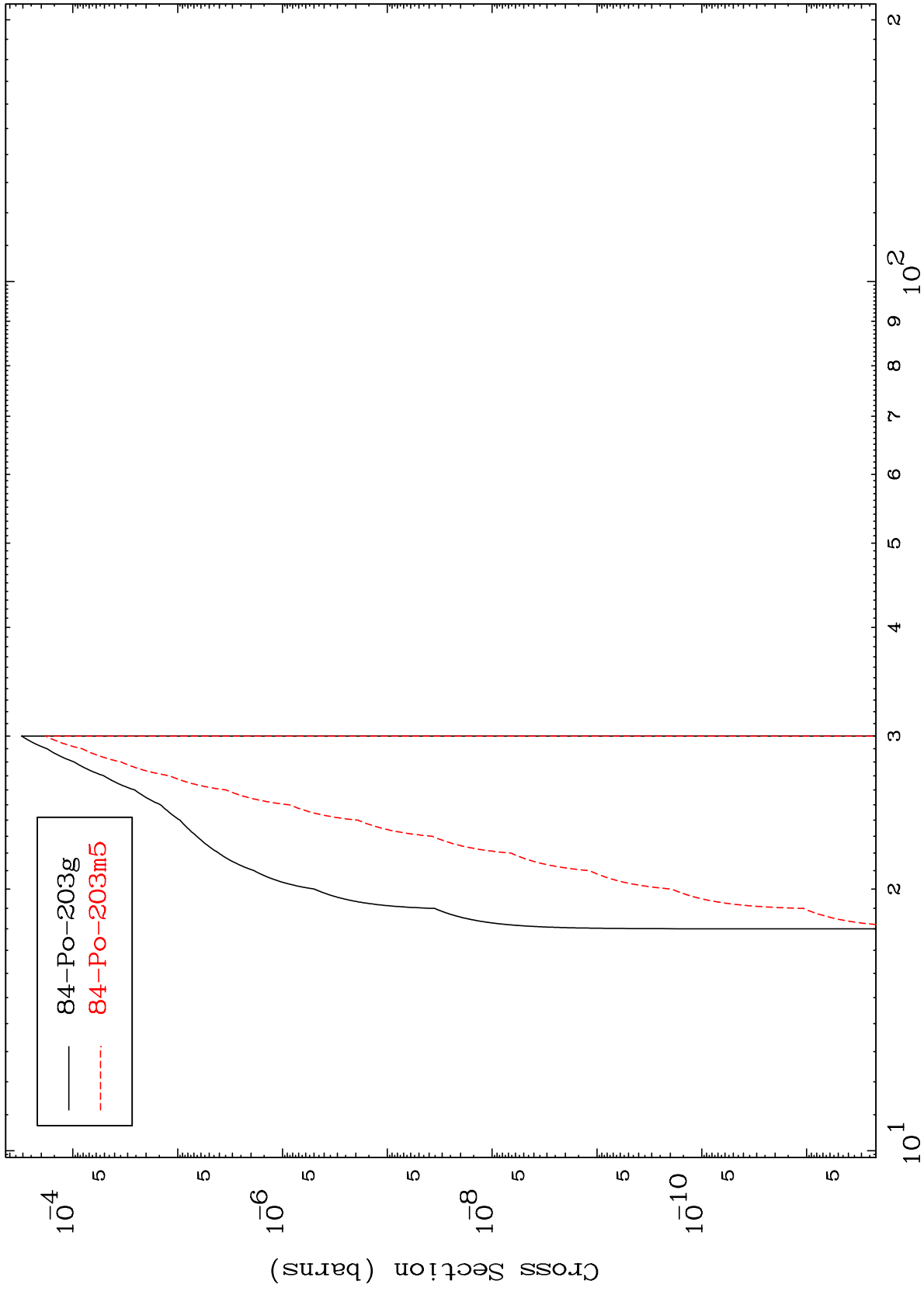
86-Rn-209

MAT 8619

(n,3n)  $\alpha$

86-Rn-209

Radionuclide Production Cross Section



94

Incident Energy (MeV)

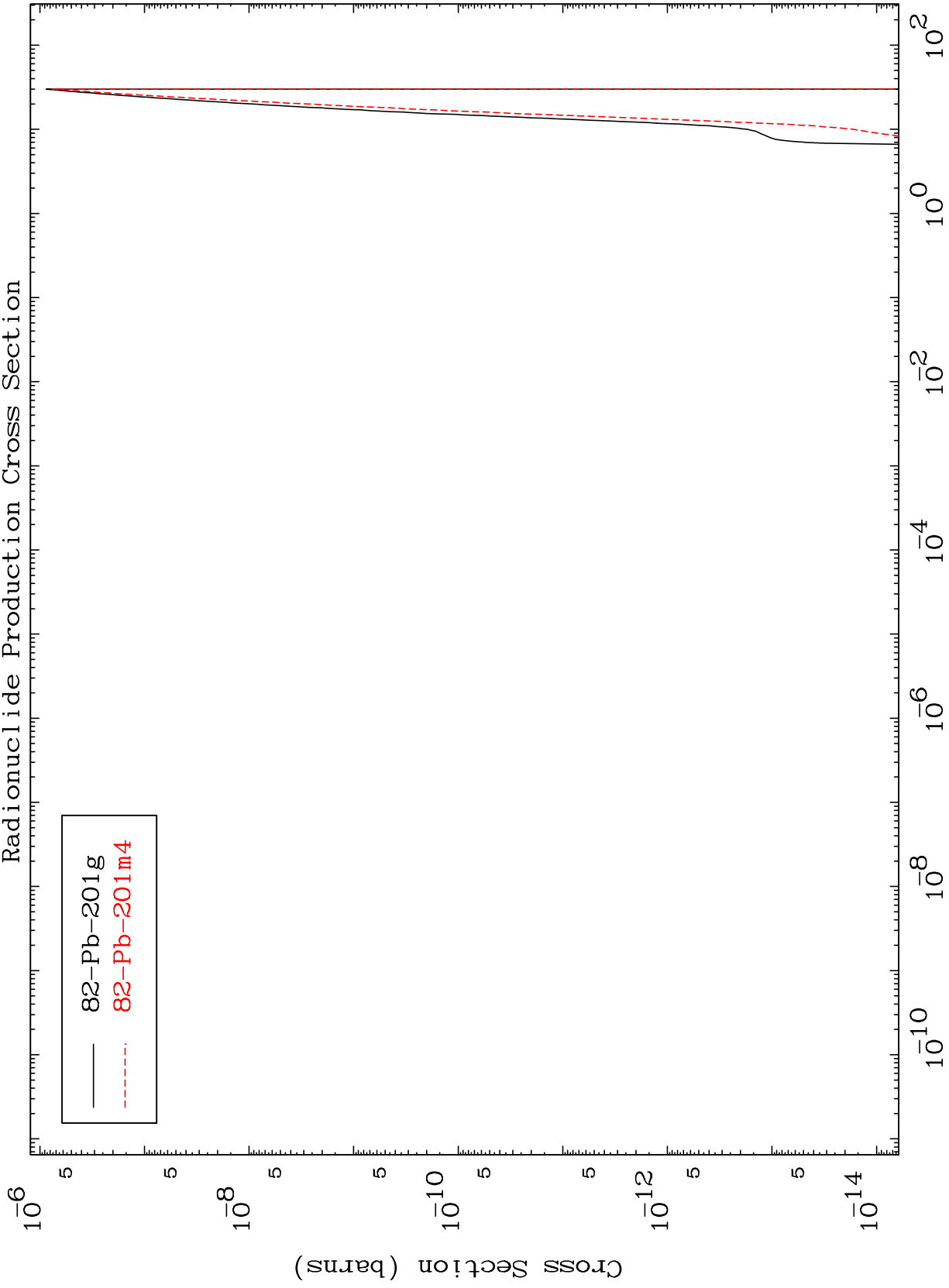
86-Rn-209

MAT 8619

(n,n') 2 $\alpha$

86-Rn-209

Radionuclide Production Cross Section



95

Incident Energy (MeV)

86-Rn-209

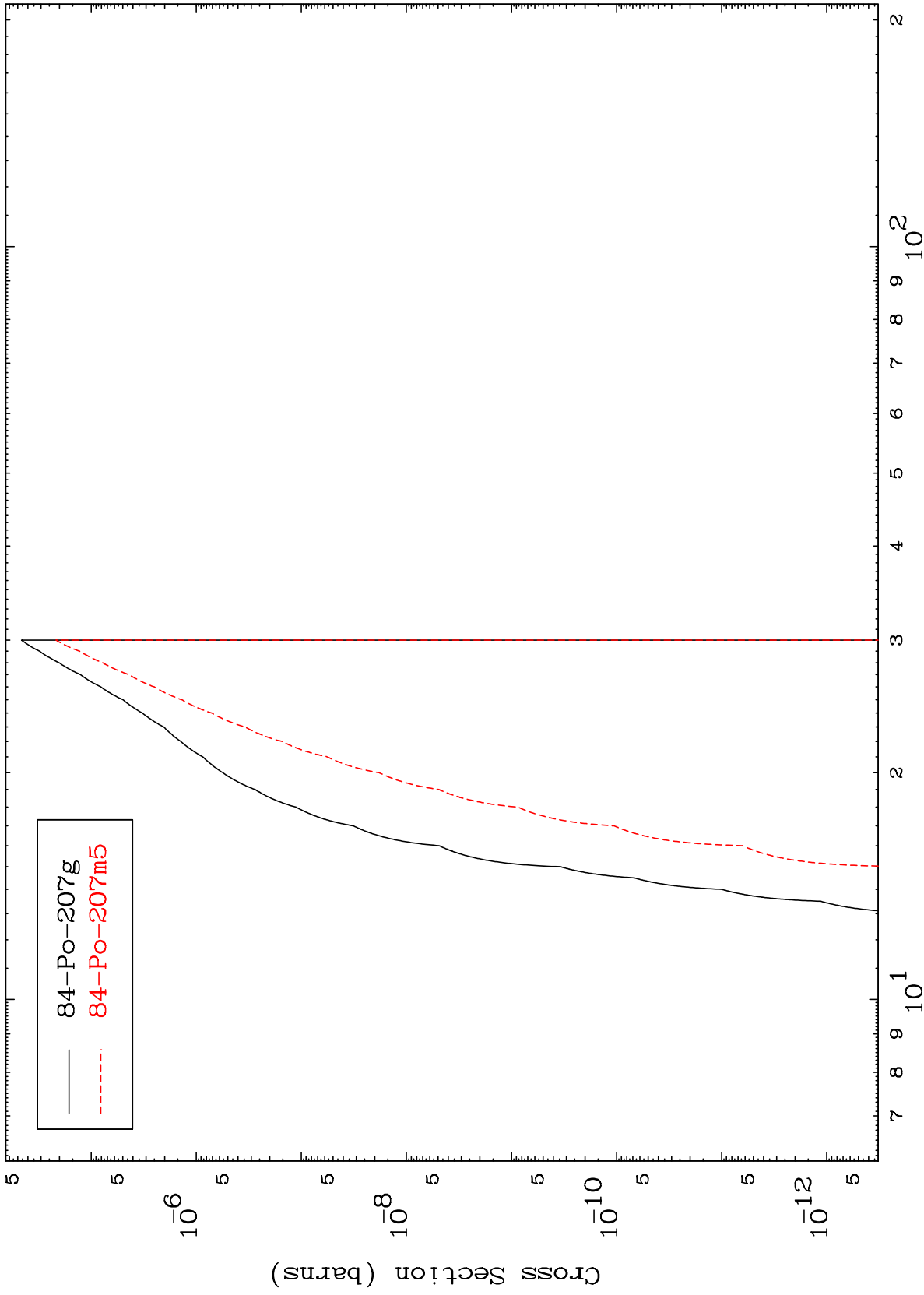


MAT 8619

(n,2n) p

86-Rn-209

Radionuclide Production Cross Section



96

Incident Energy (MeV)

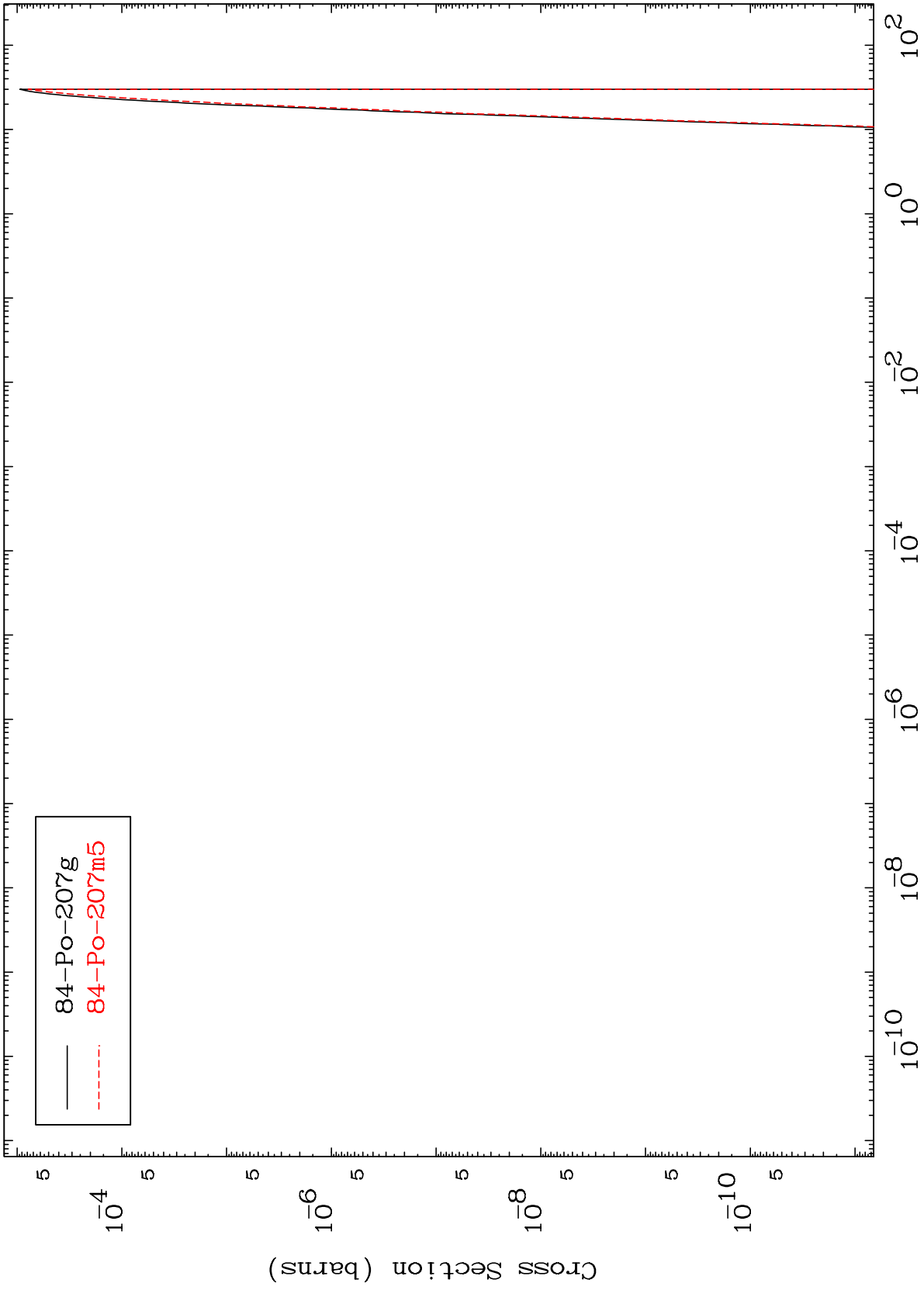
86-Rn-209

MAT 8619

(n, He-3)

86-Rn-209

Radionuclide Production Cross Section



84-Po-207g  
84-Po-207m5

97

Incident Energy (MeV)

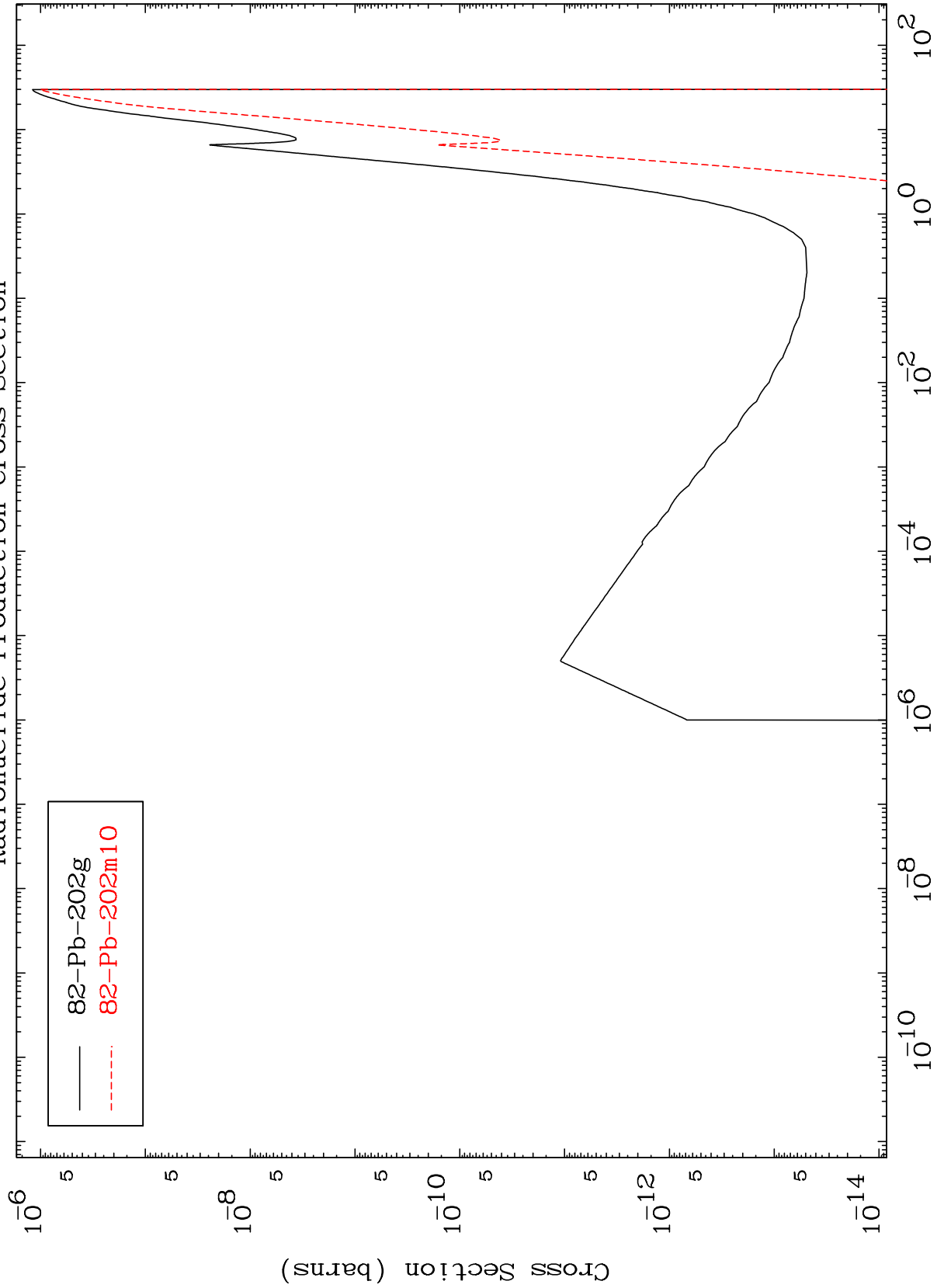
86-Rn-209

MAT 8619

(n,2α)

86-Rn-209

Radionuclide Production Cross Section



98

Incident Energy (MeV)

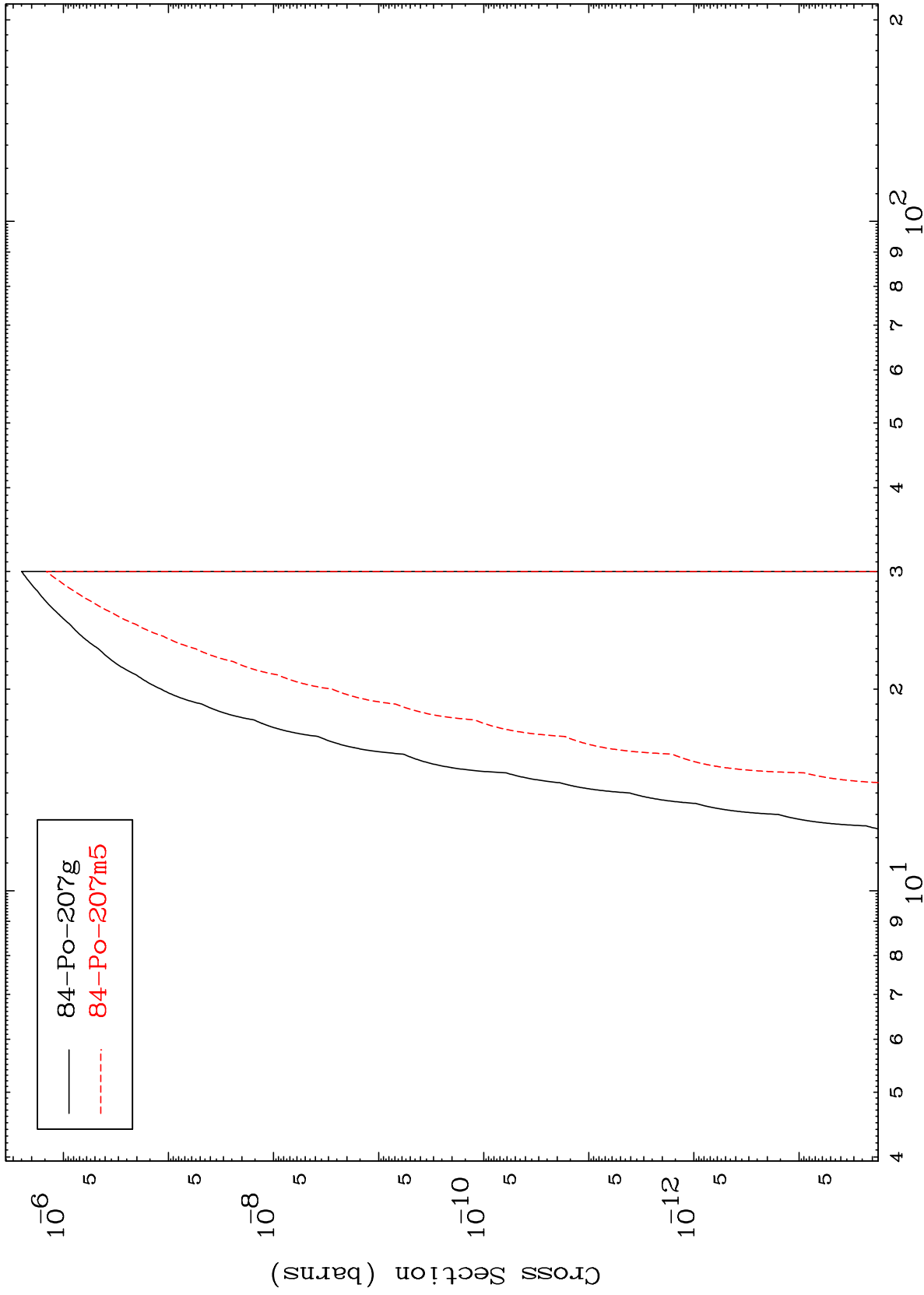
86-Rn-209

MAT 8619

(n,p) d

86-Rn-209

Radionuclide Production Cross Section



99

86-Rn-209