

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

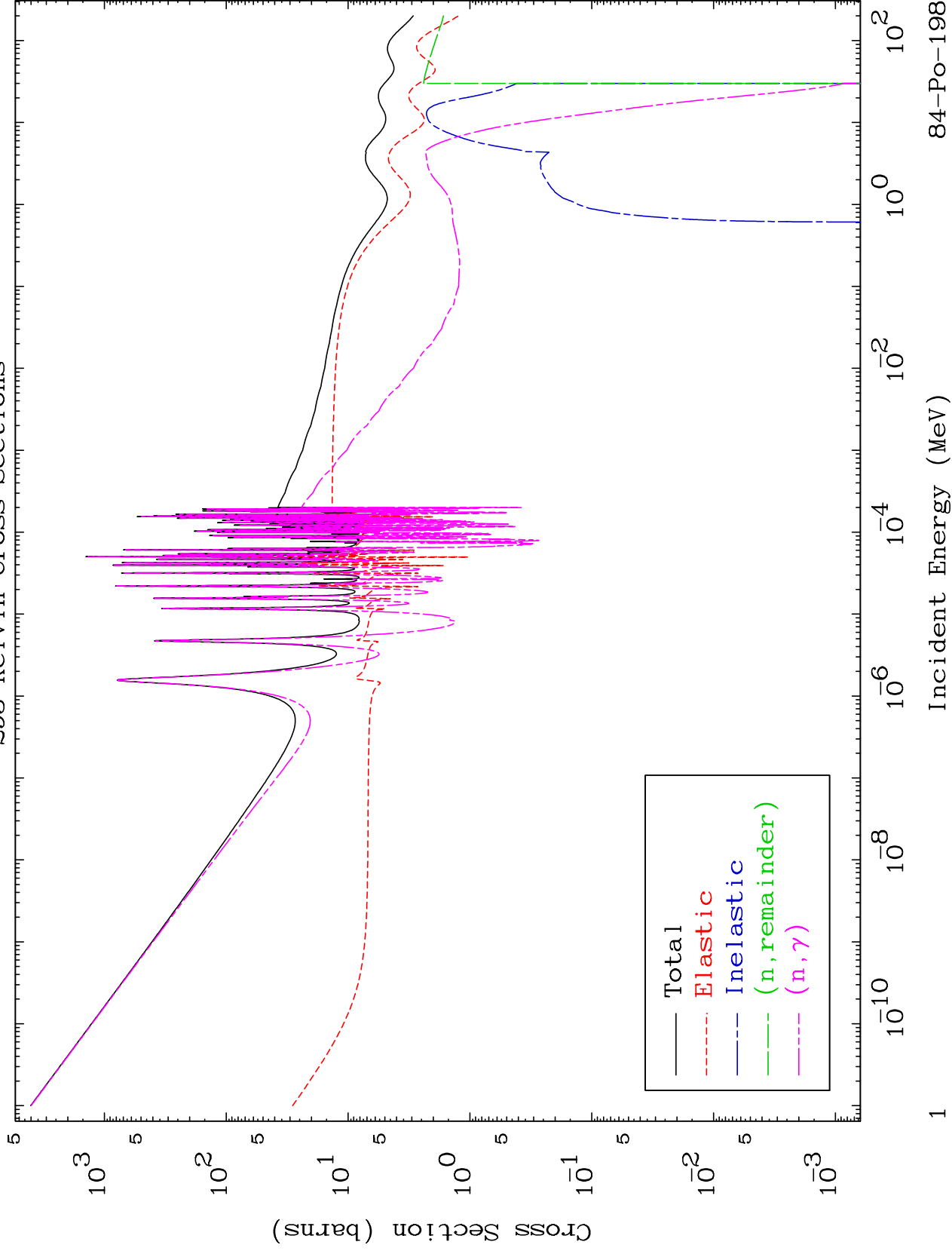
Press Mouse Button to Start

MAT 8401

Major

293 Kelvin Cross Sections

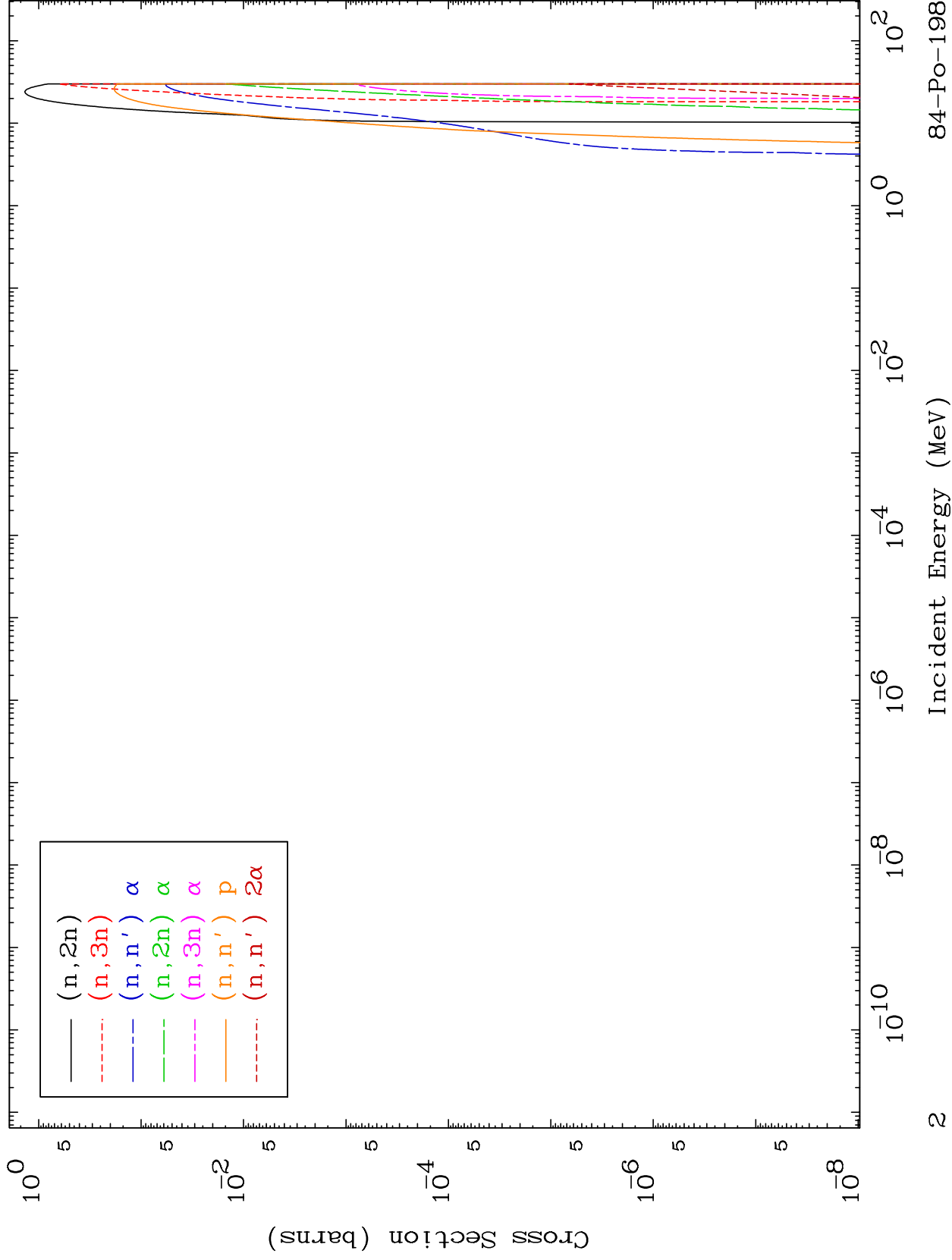
84-Po-198



MAT 8401

Neutron Production  
293 Kelvin Cross Sections

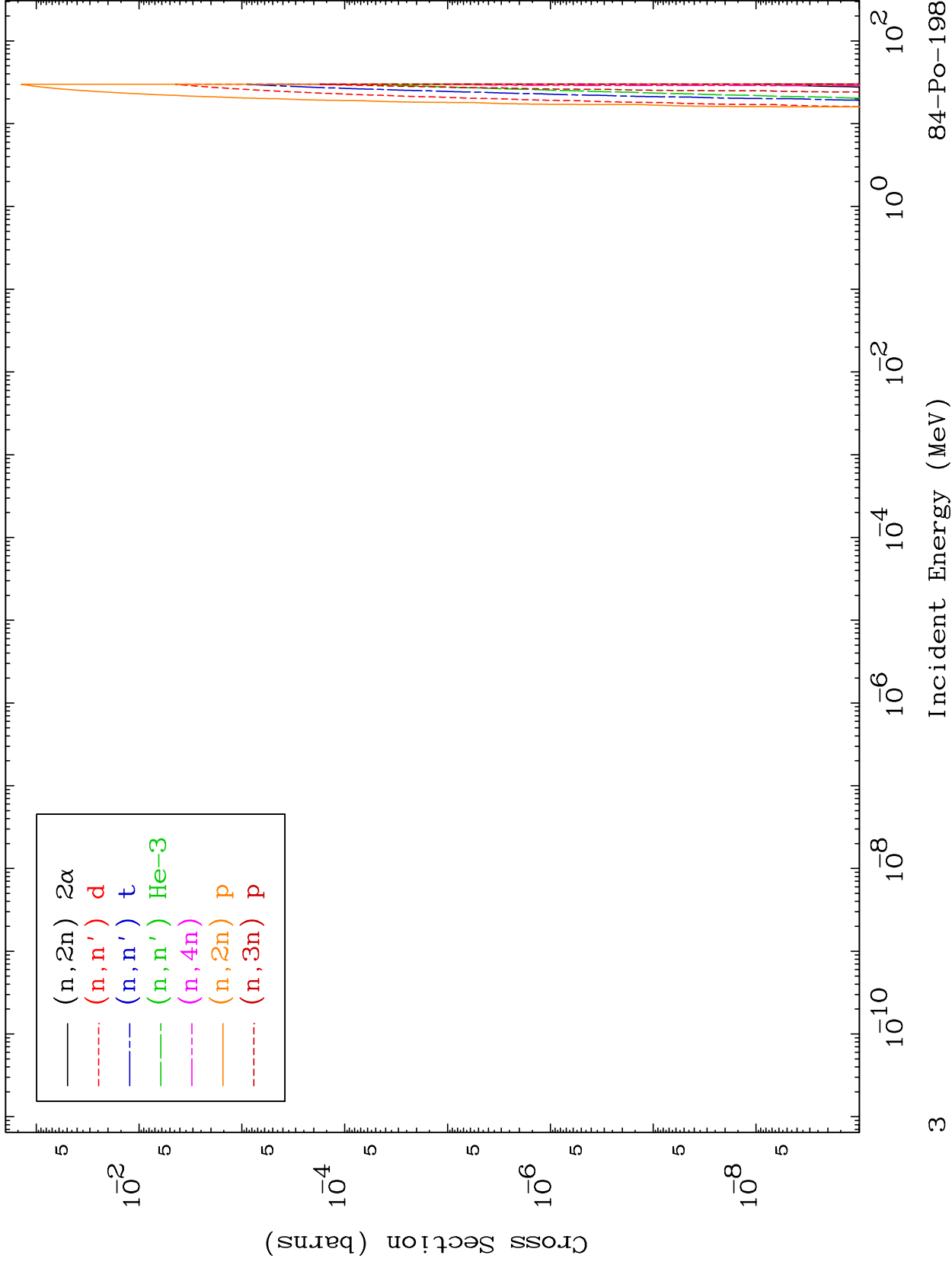
84-Po-198



MAT 8401

Neutron Production  
293 Kelvin Cross Sections

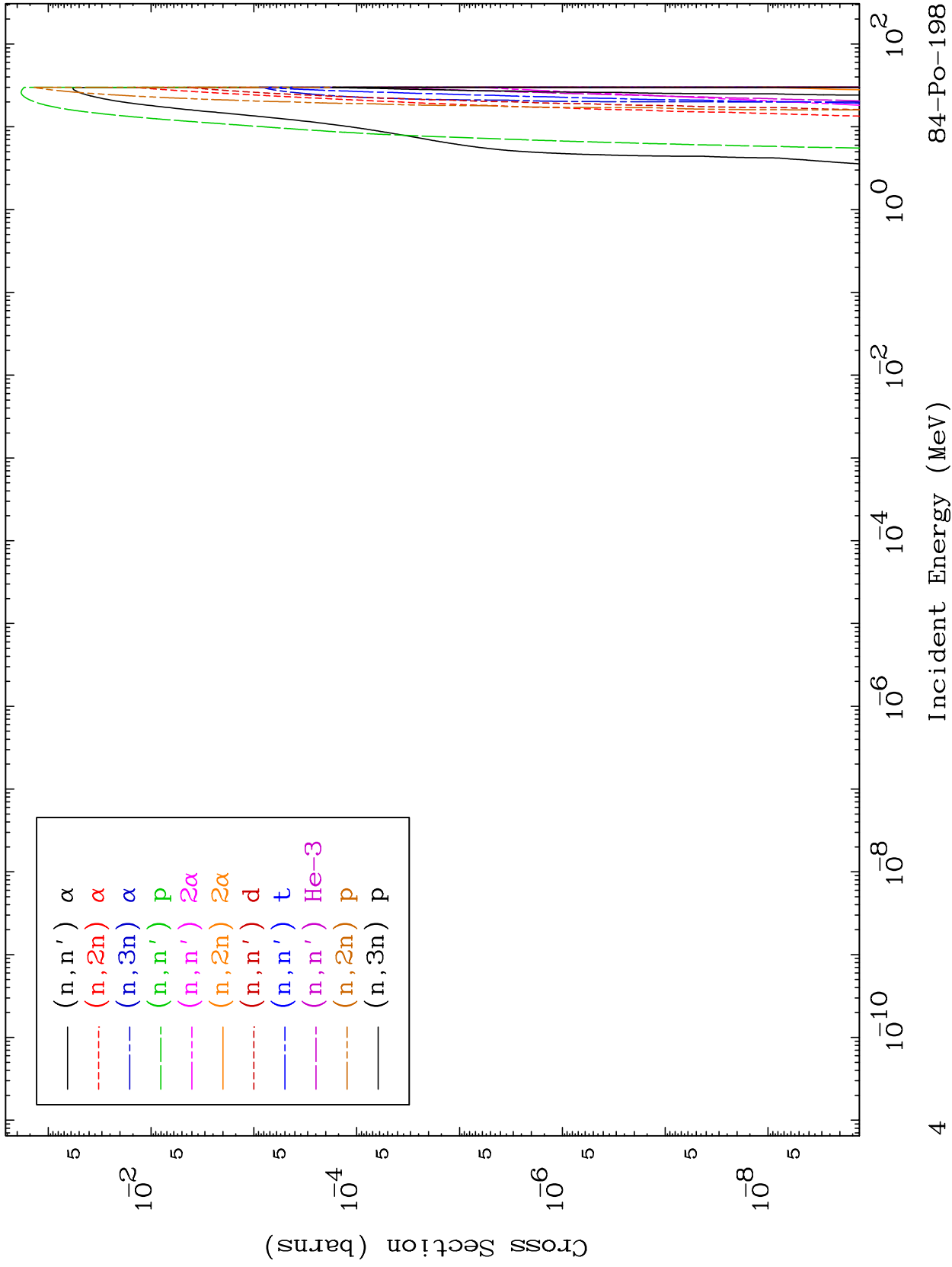
84-Po-198



MAT 8401

Charged Particle  
293 Kelvin Cross Sections

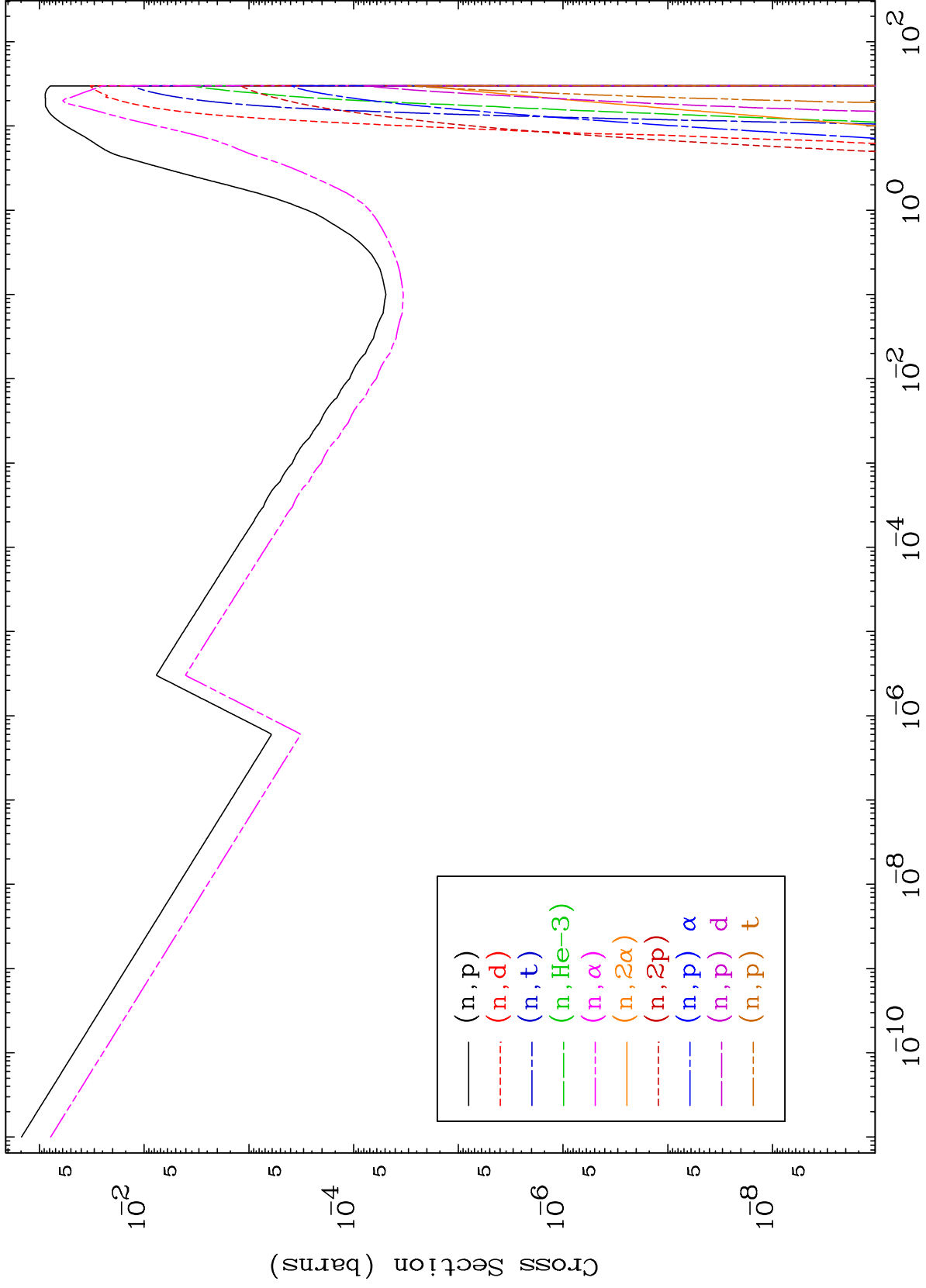
84-Po-198



MAT 8401

Charged Particle  
293 Kelvin Cross Sections

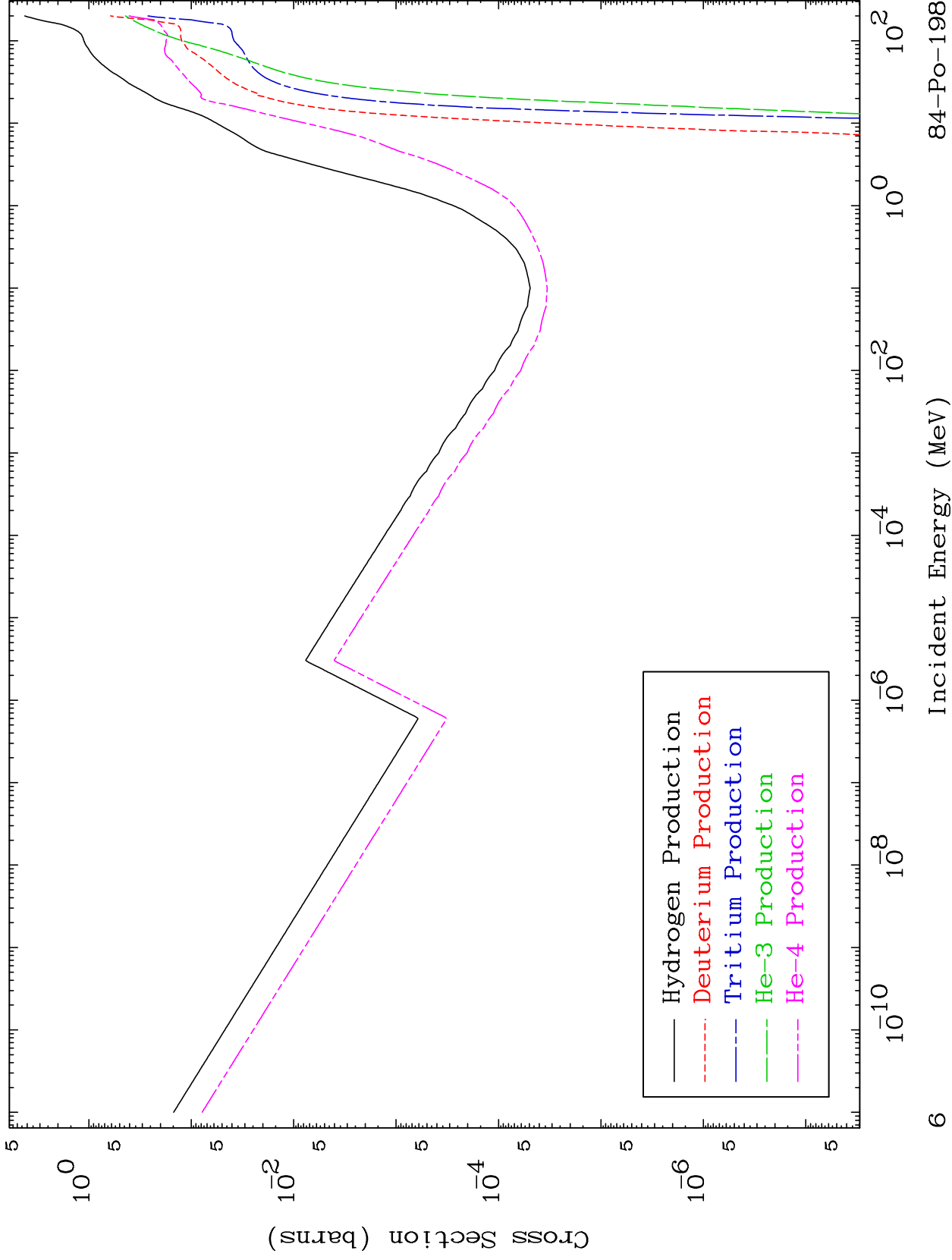
84-Po-198



MAT 8401

Particle Production  
293 Kelvin Cross Sections

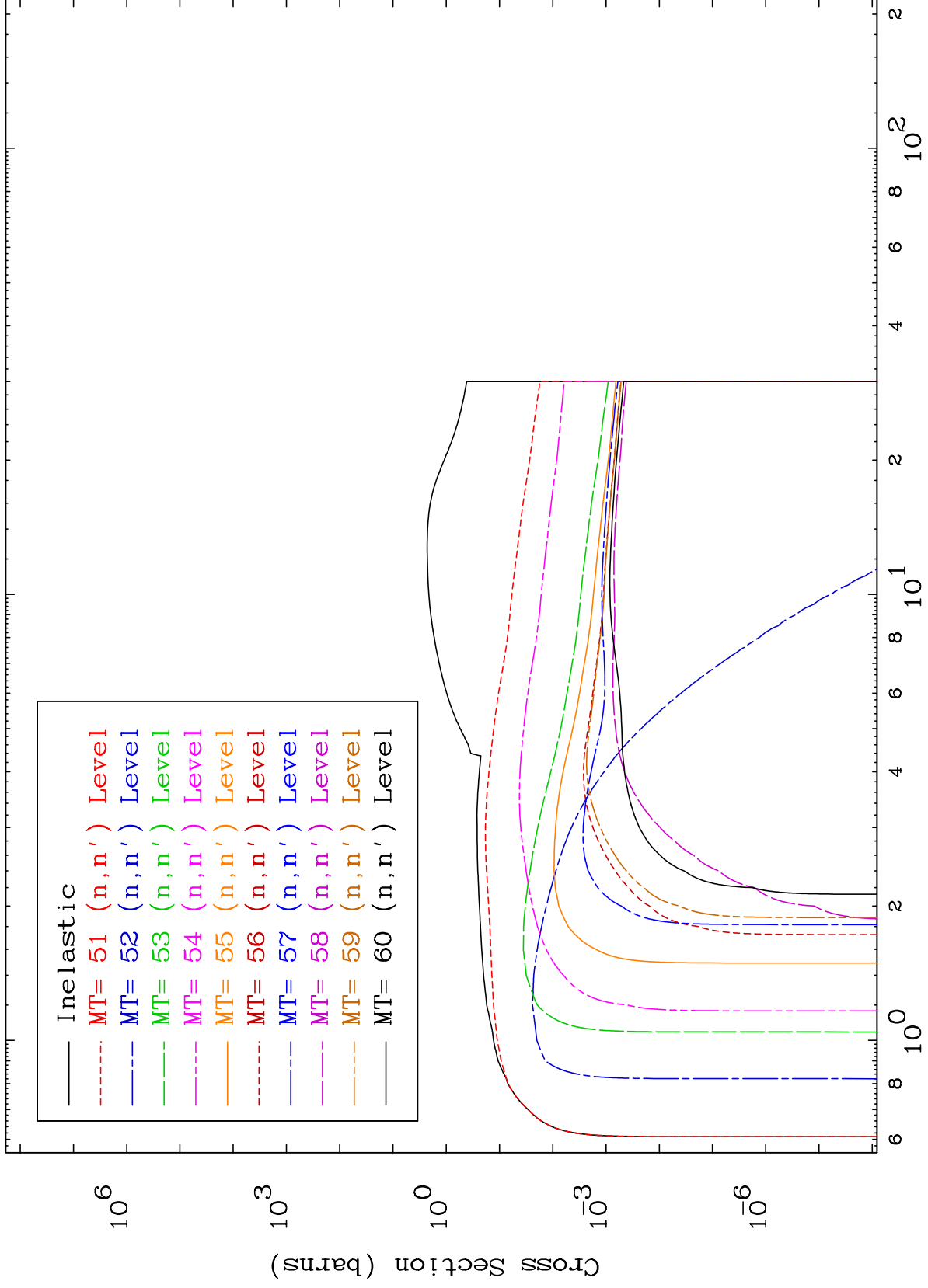
84-Po-198



MAT 8401

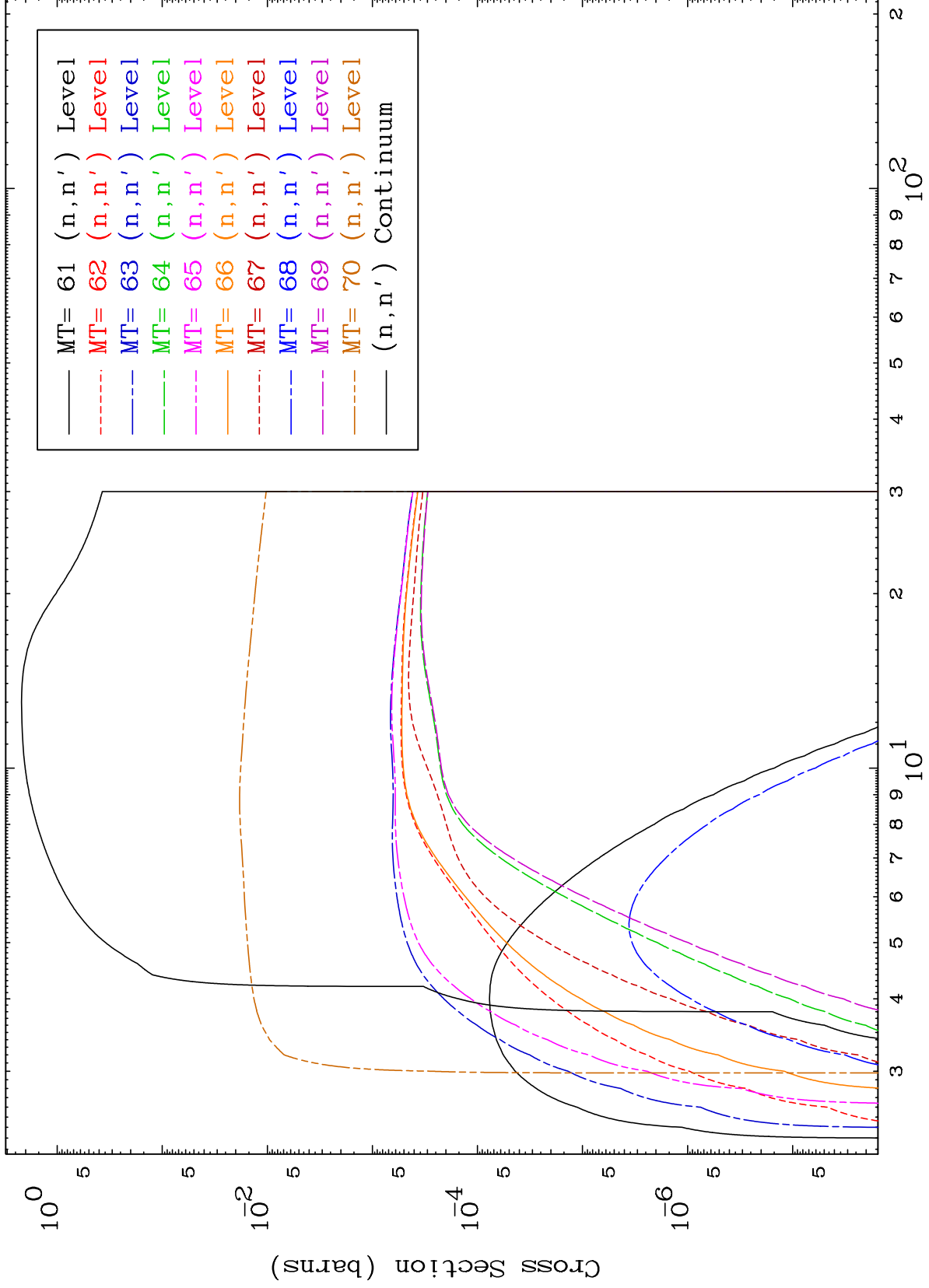
(n,n') Level  
293 Kelvin Cross Sections

84-Po-198





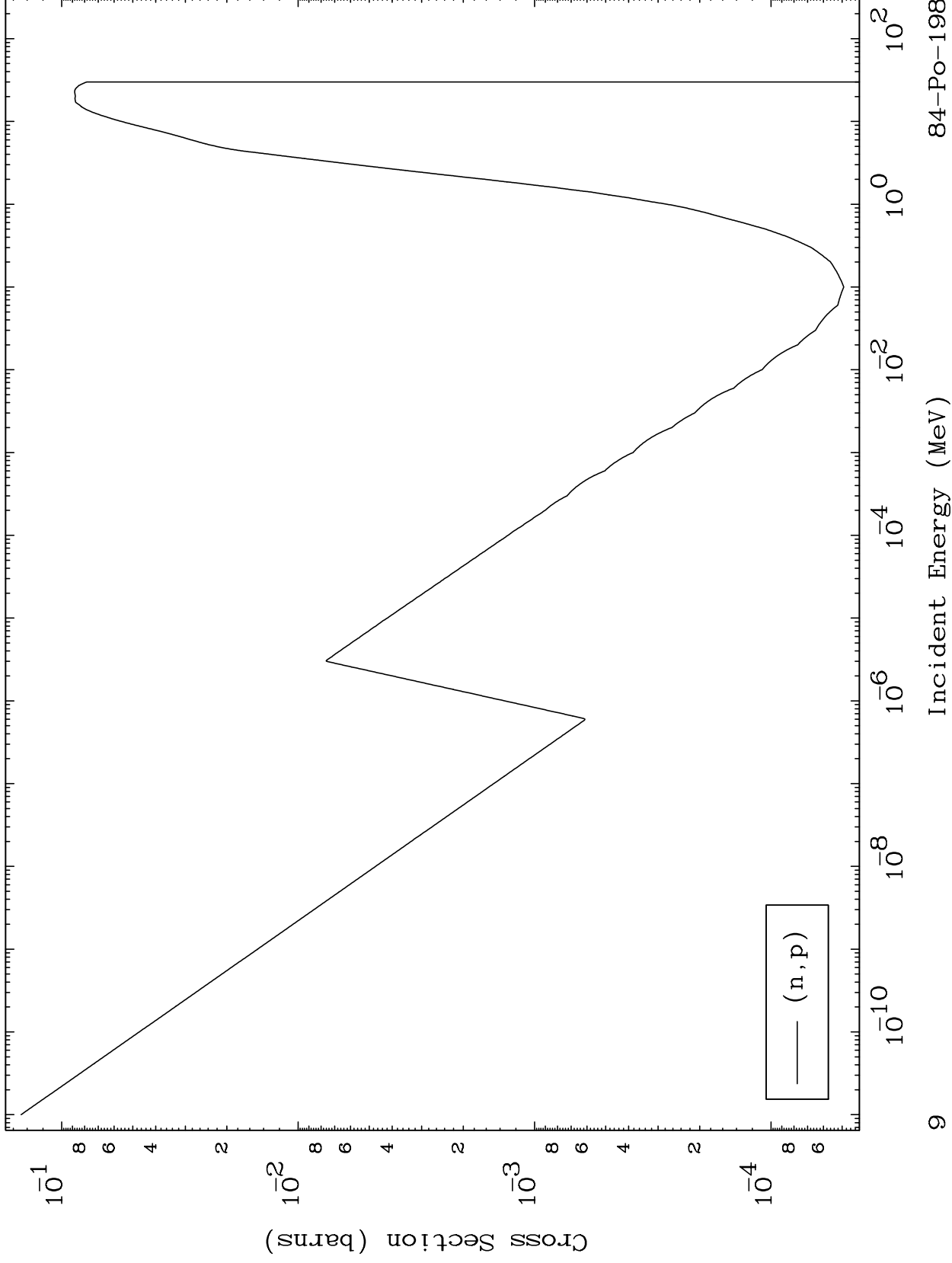
293 Kelvin Cross Sections



MAT 8401

(n,p) Levels  
293 Kelvin Cross Sections

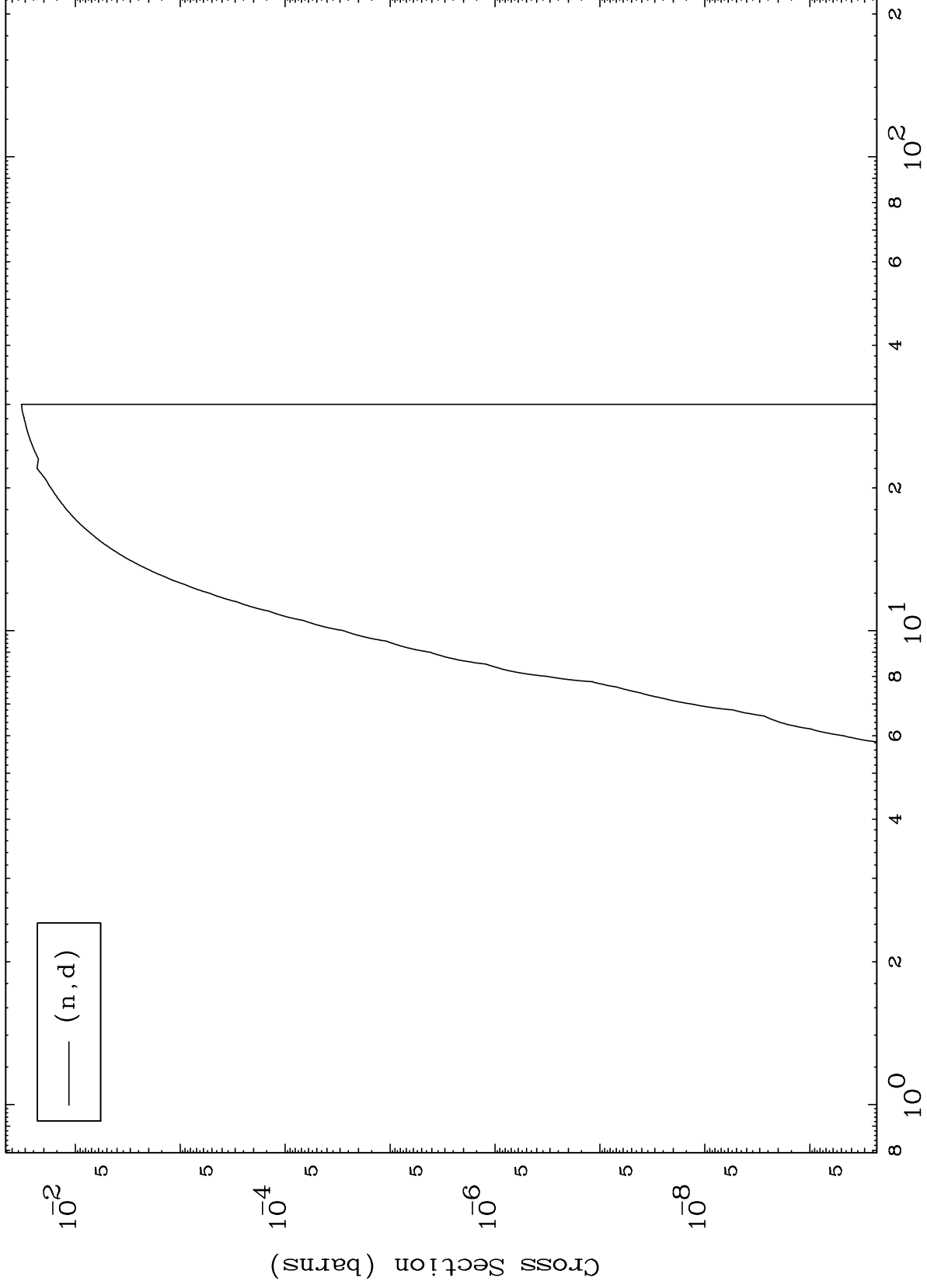
84-Po-198



MAT 8401

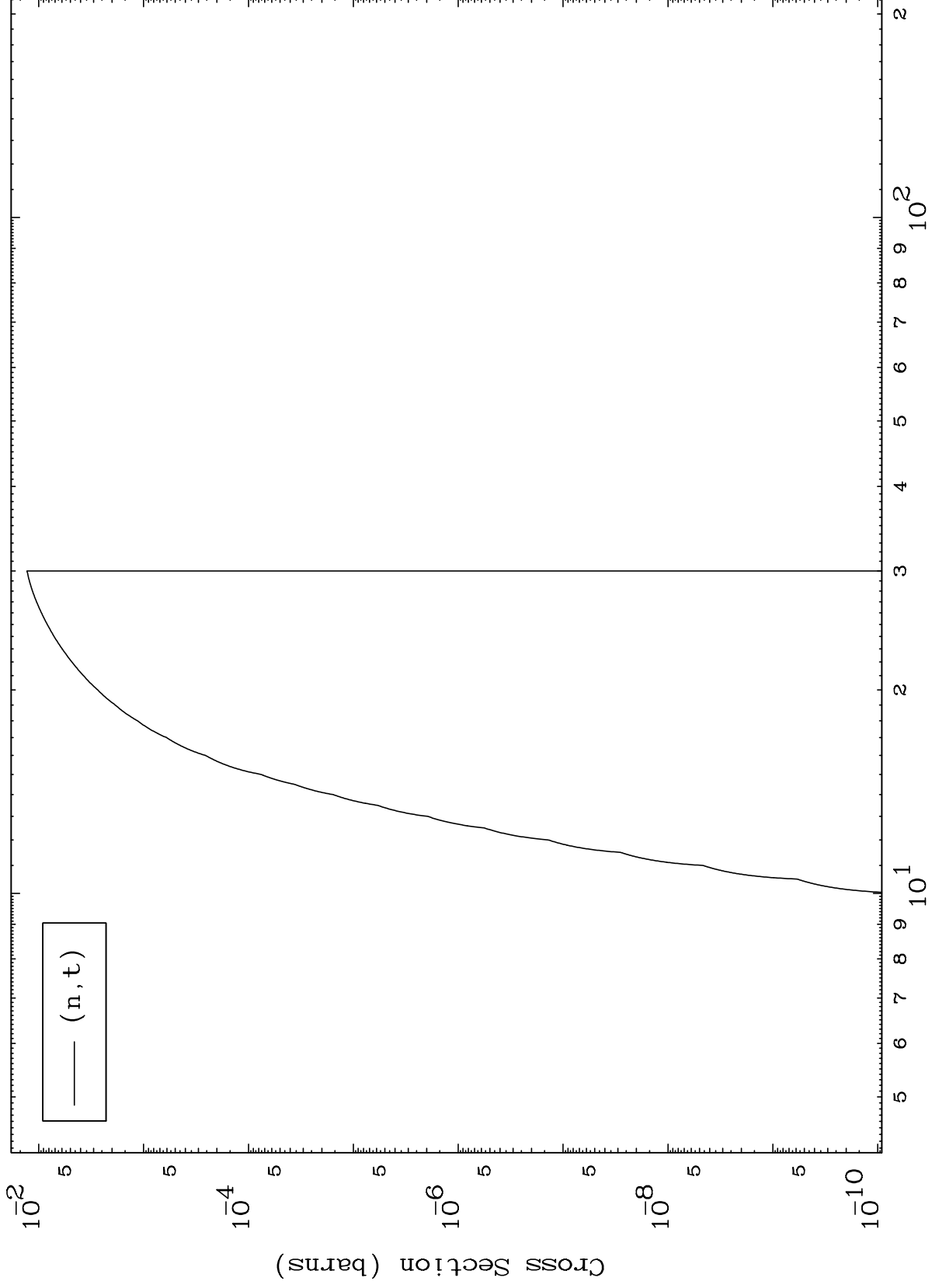
(n,d) Levels  
293 Kelvin Cross Sections

84-Po-198



Incident Energy (MeV)

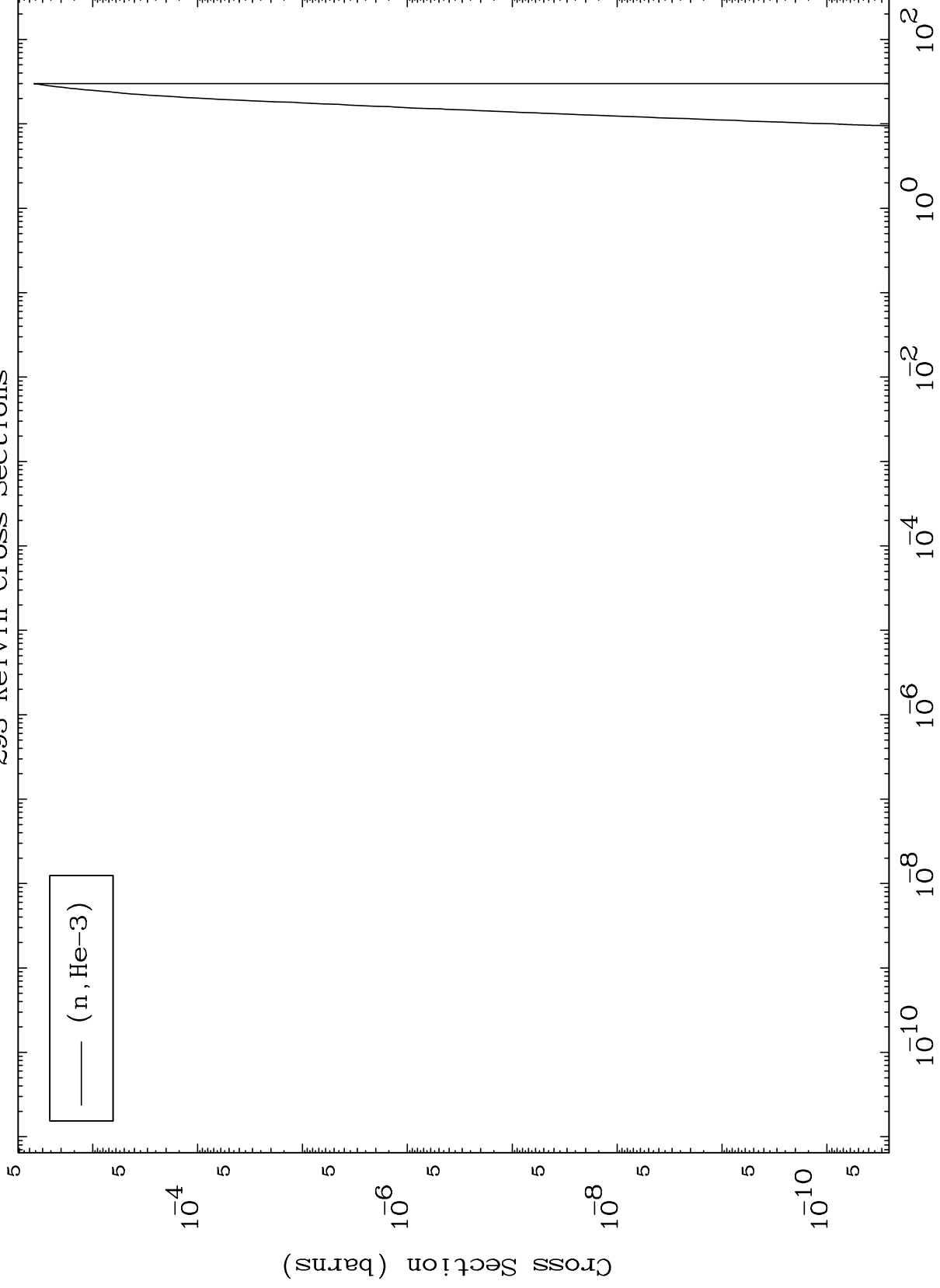
84-Po-198



MAT 8401

(n,He3) Levels  
293 Kelvin Cross Sections

84-Po-198



12

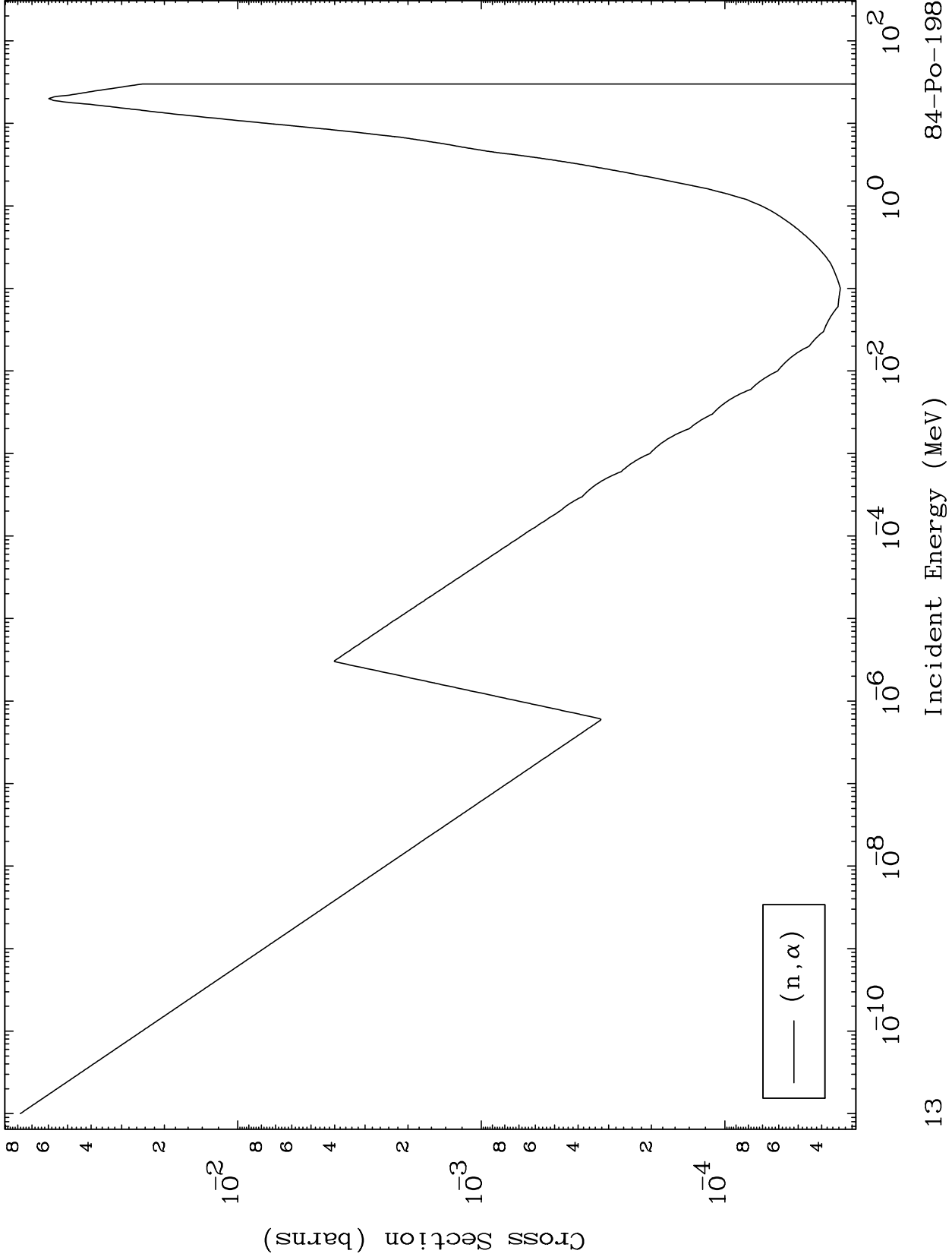
Incident Energy (MeV)

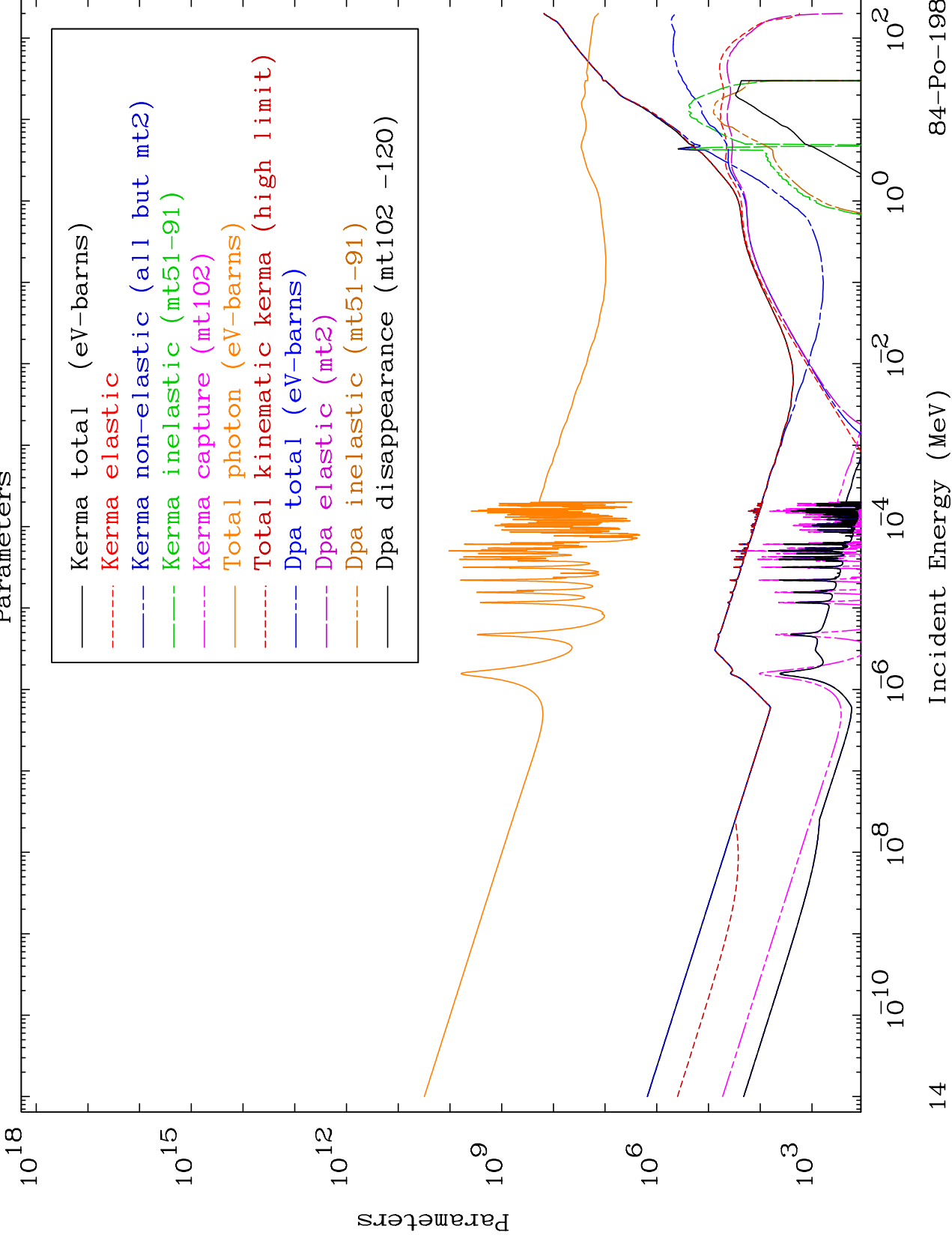
84-Po-198

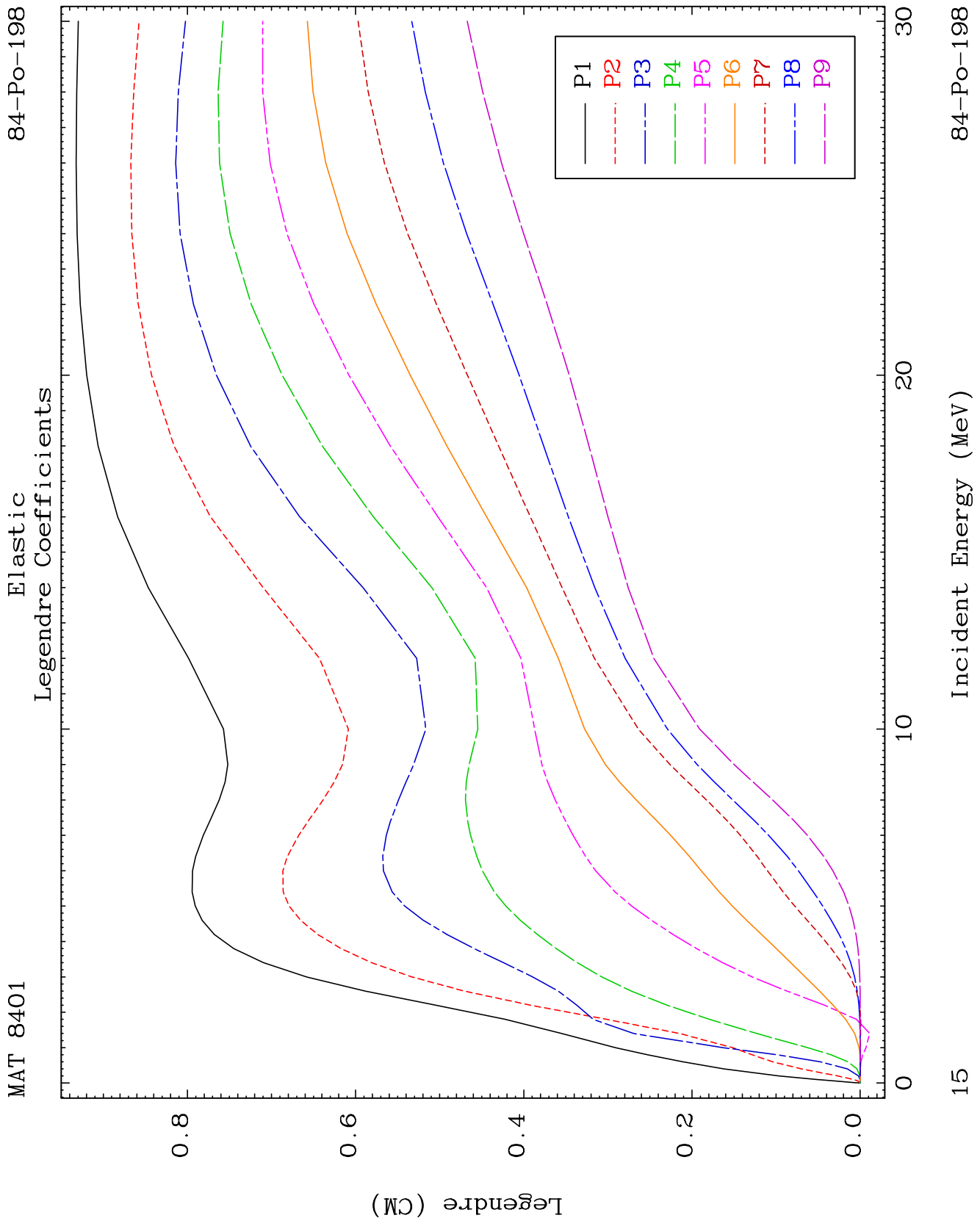
MAT 8401

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

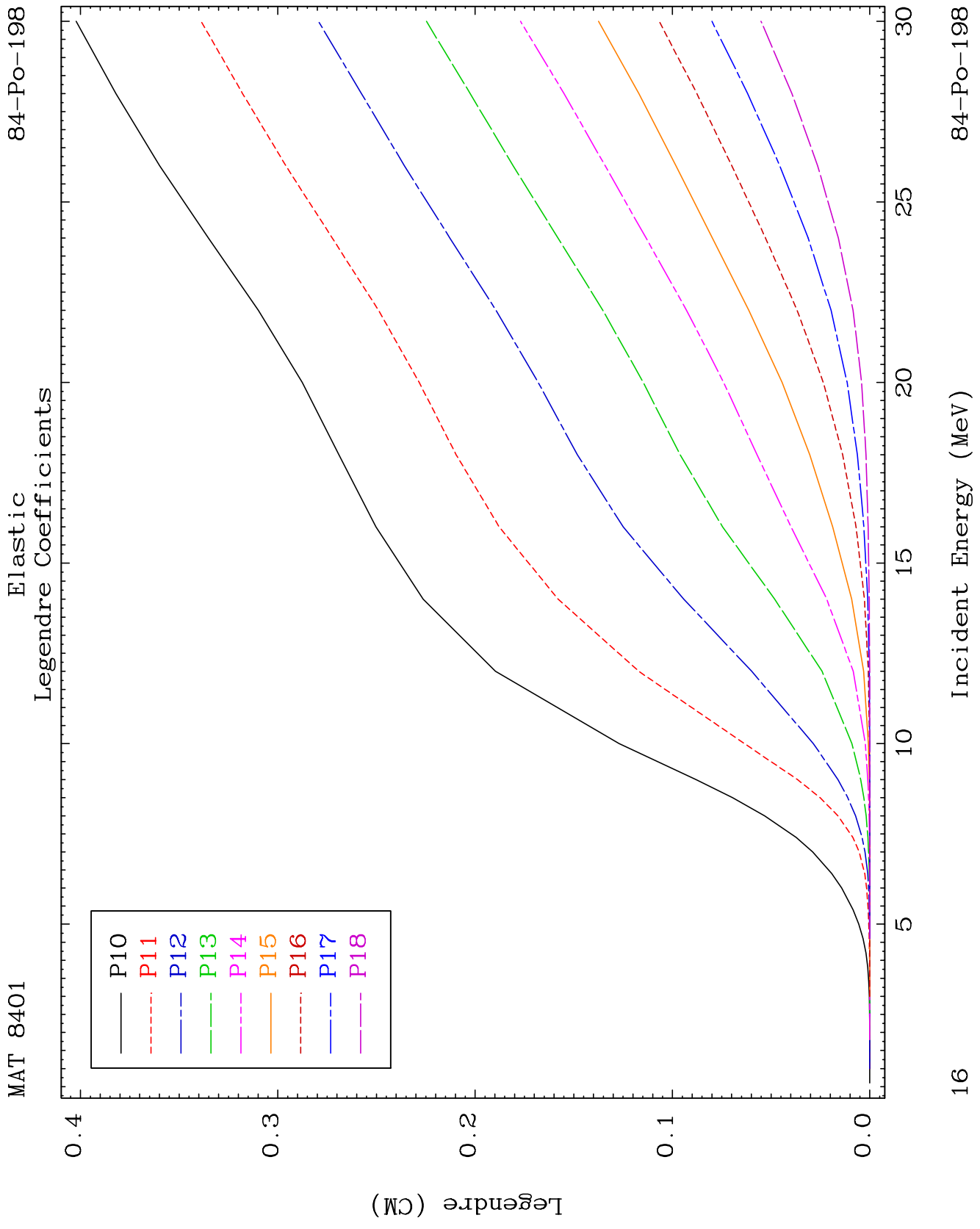
84-Po-198







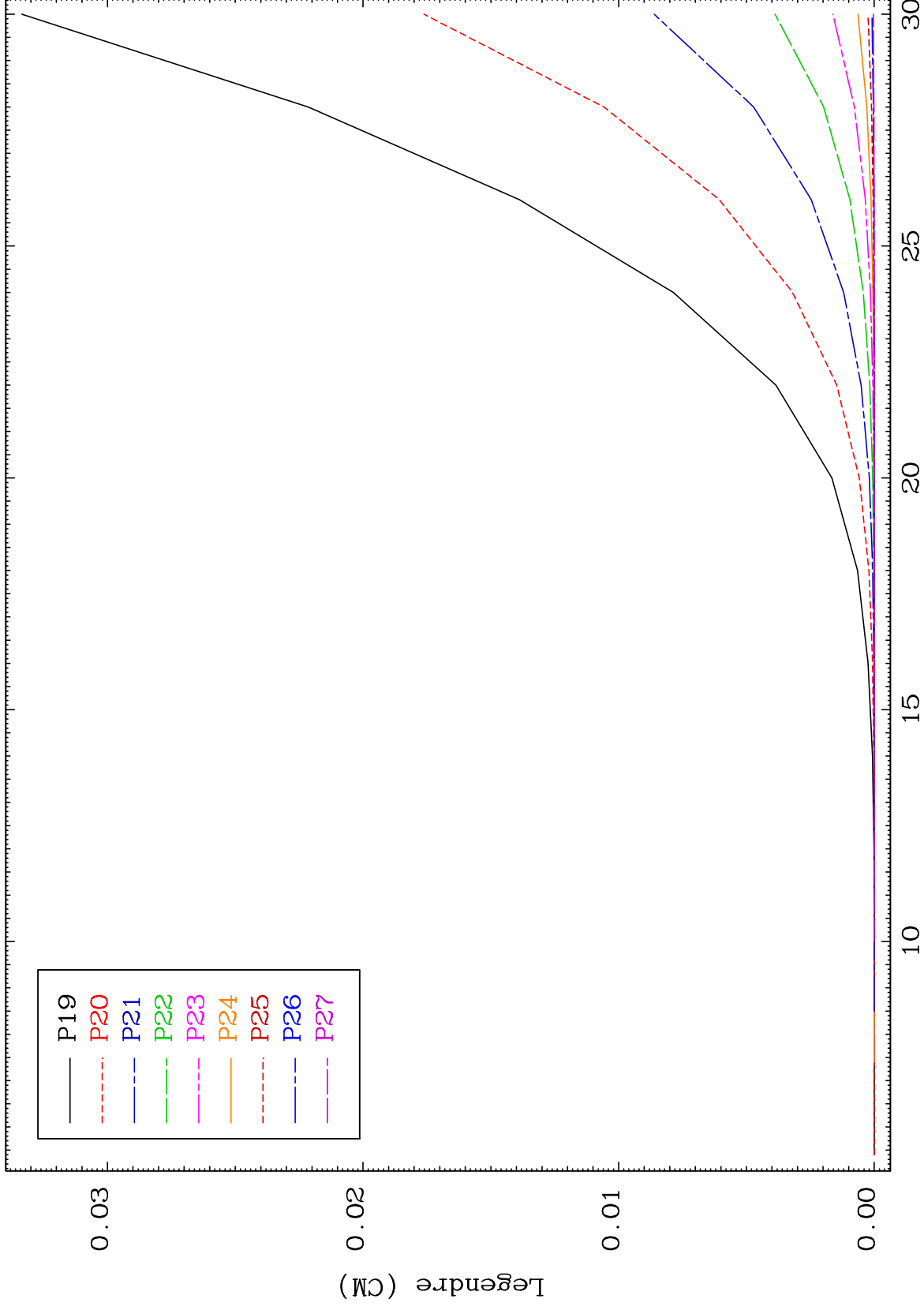




MAT 8401

Elastic  
Legendre Coefficients

84-Po-198



17

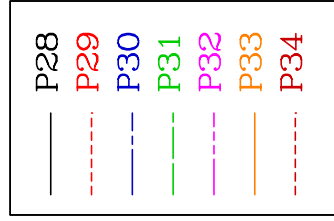
Incident Energy (MeV)

84-Po-198

MAT 8401

Elastic  
Legendre Coefficients

84-Po-198



$\times 10^{-5}$

1.0

0.8

Legendre (CM)

0.6

0.4

0.2

0.0

15

20

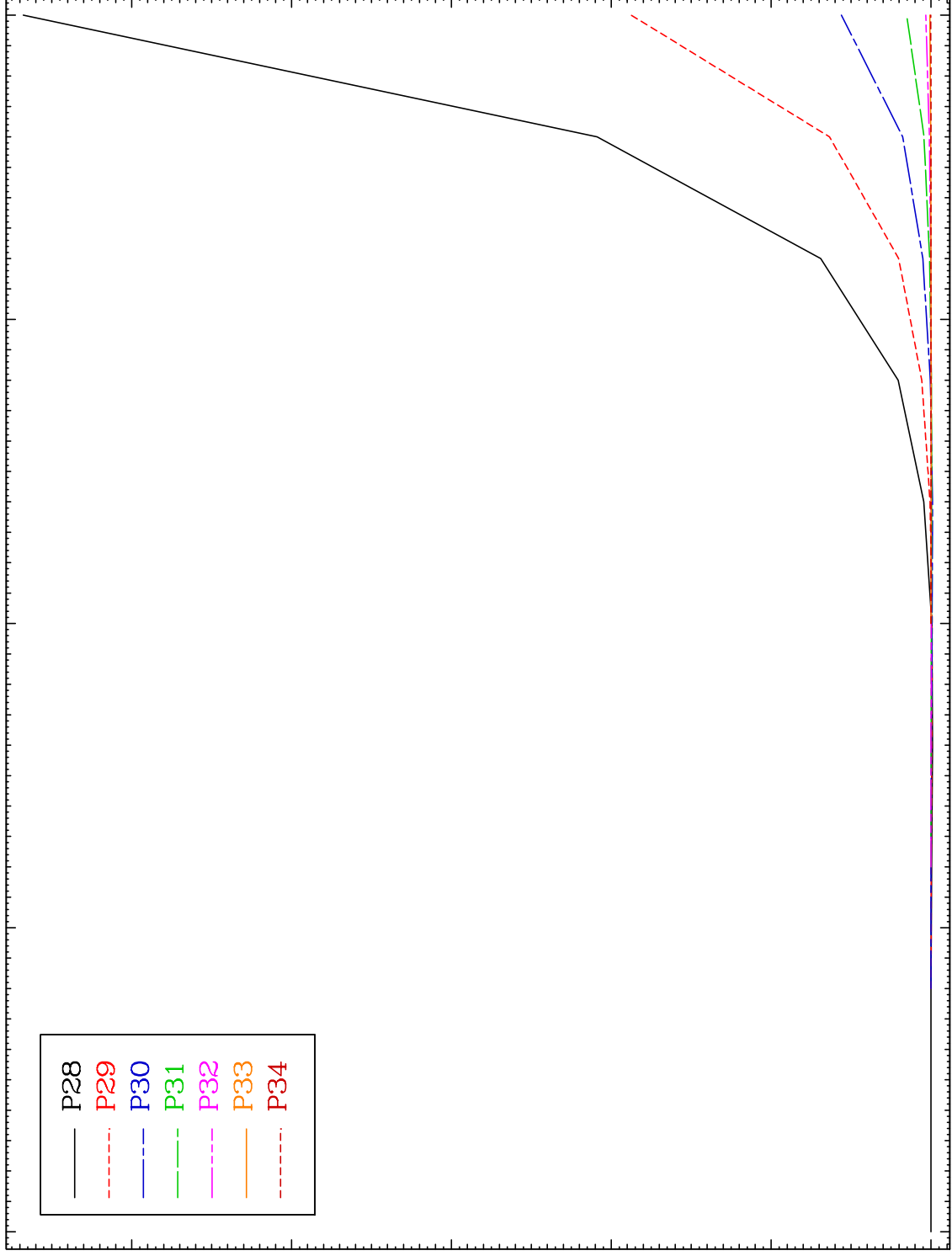
25

30

18

Incident Energy (MeV)

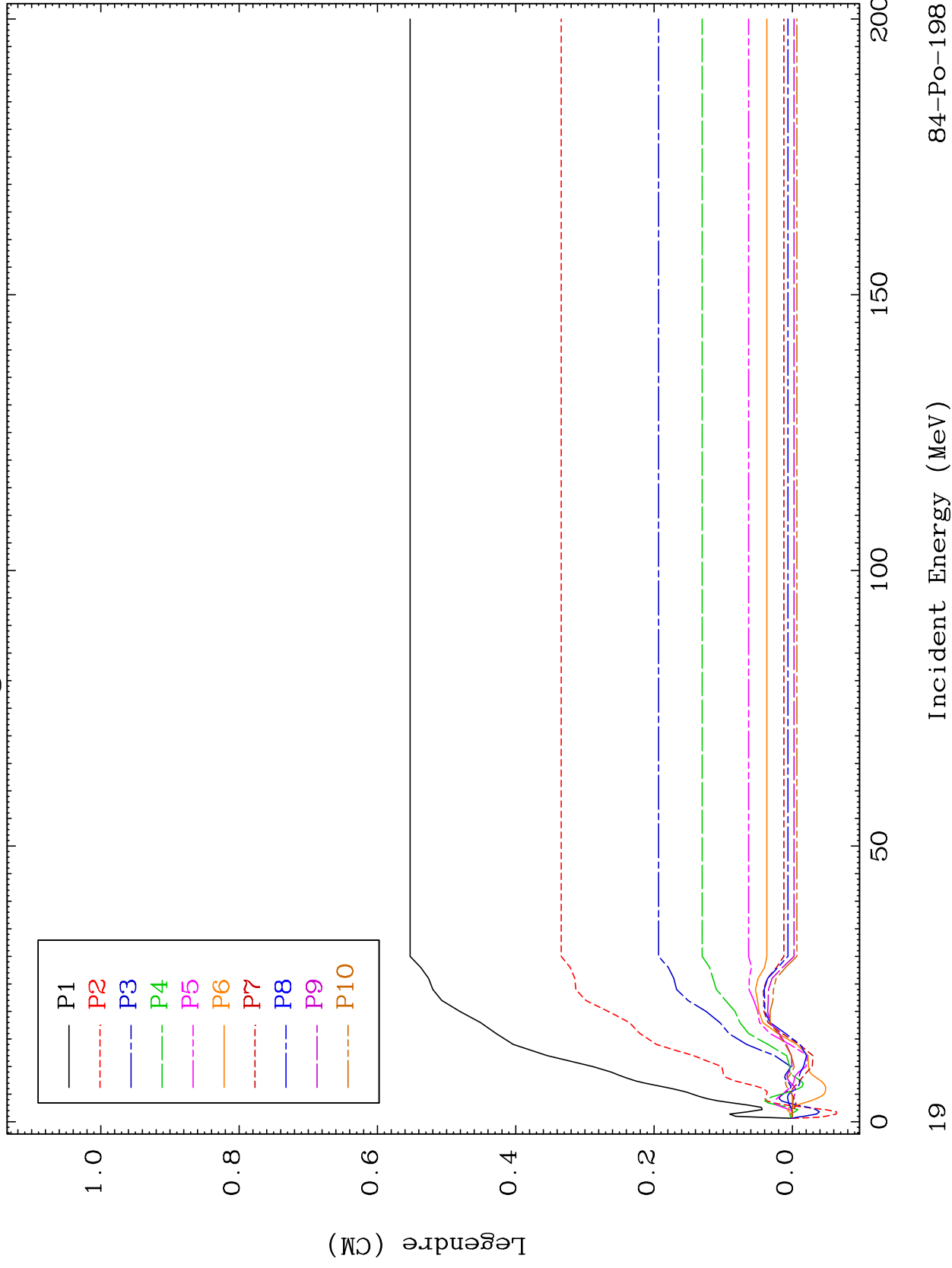
84-Po-198



MAT 8401

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

84-Po-198



19

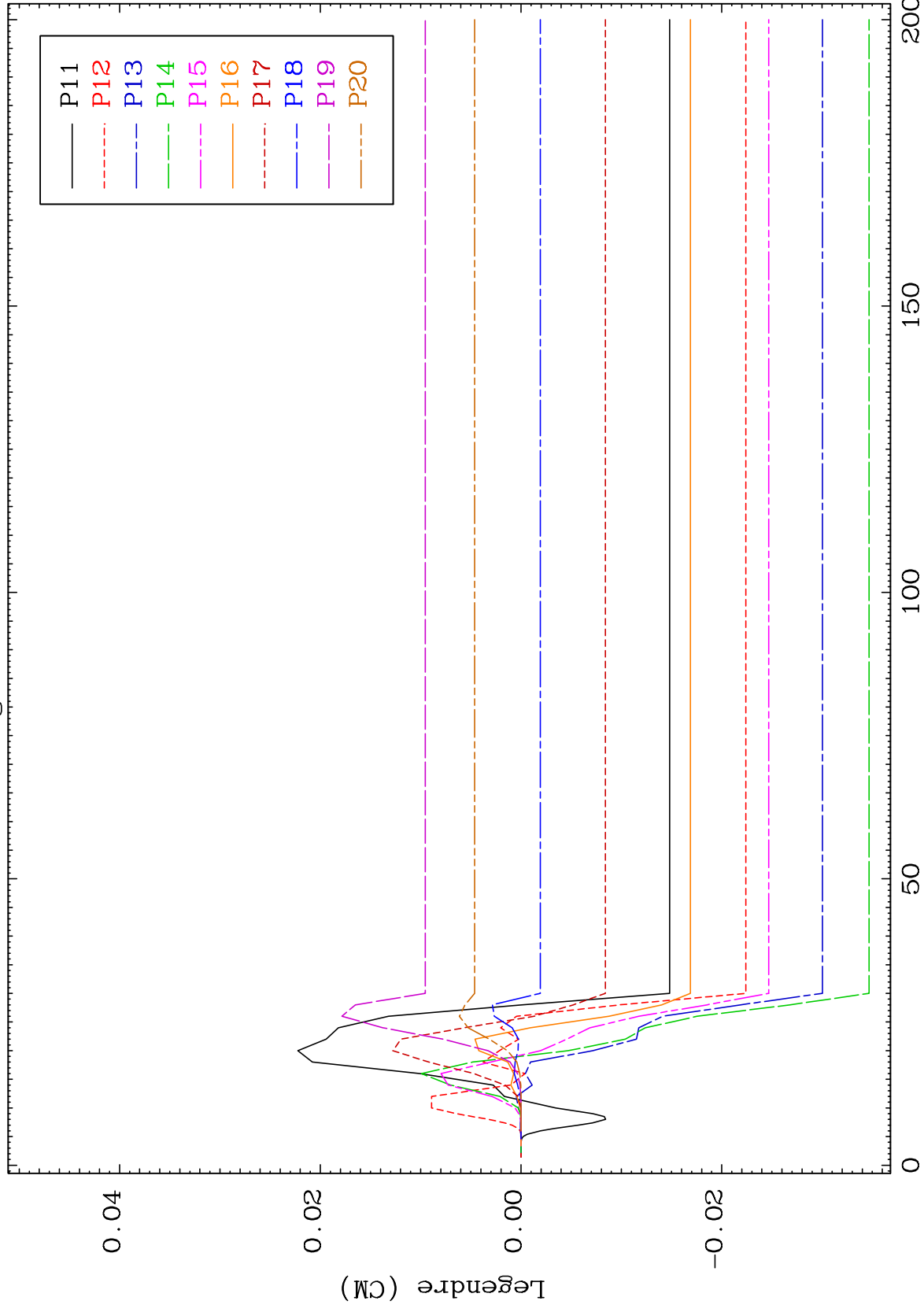
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



84-Po-198

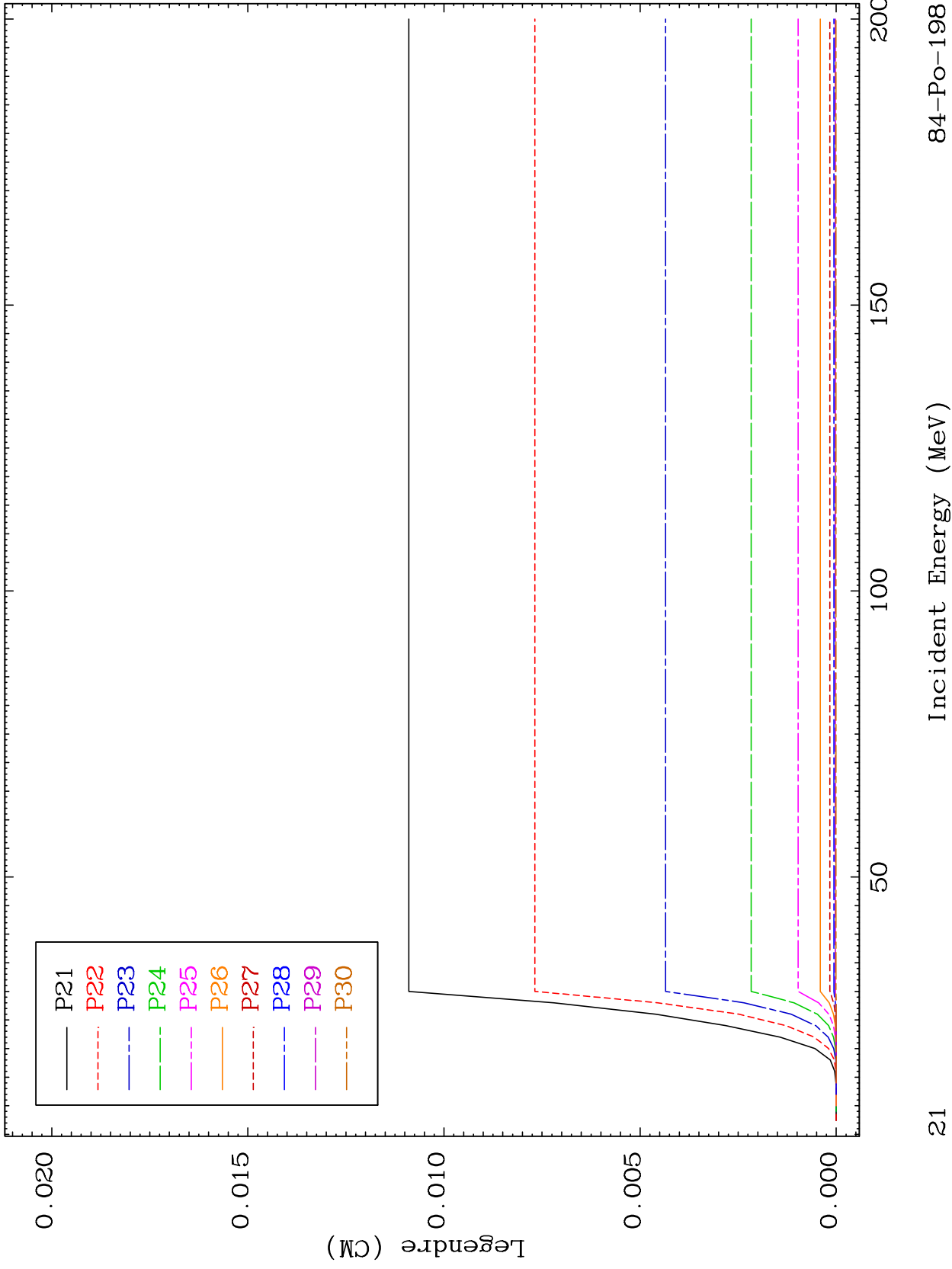
Incident Energy (MeV)

20

MAT 8401

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

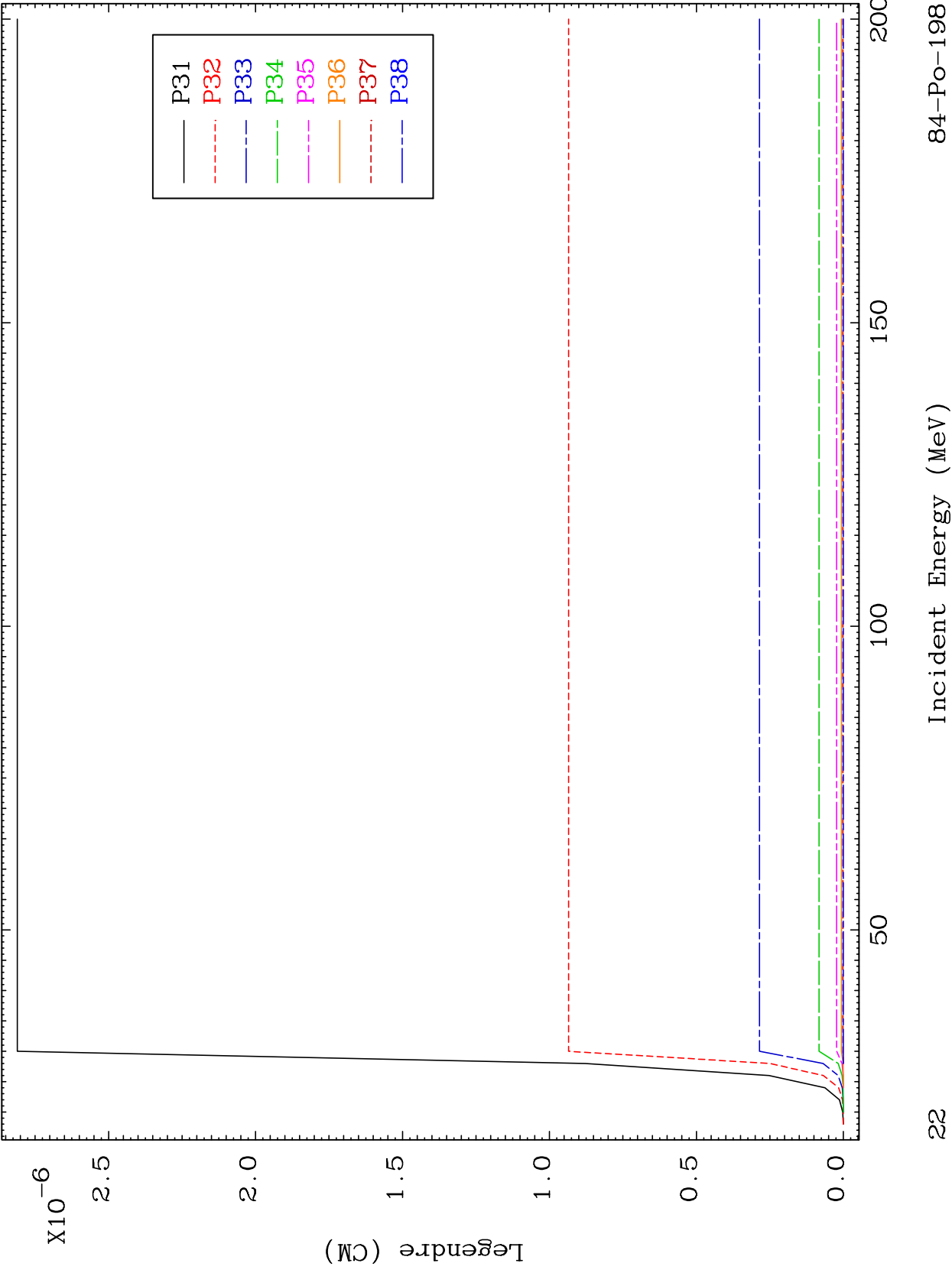
84-Po-198

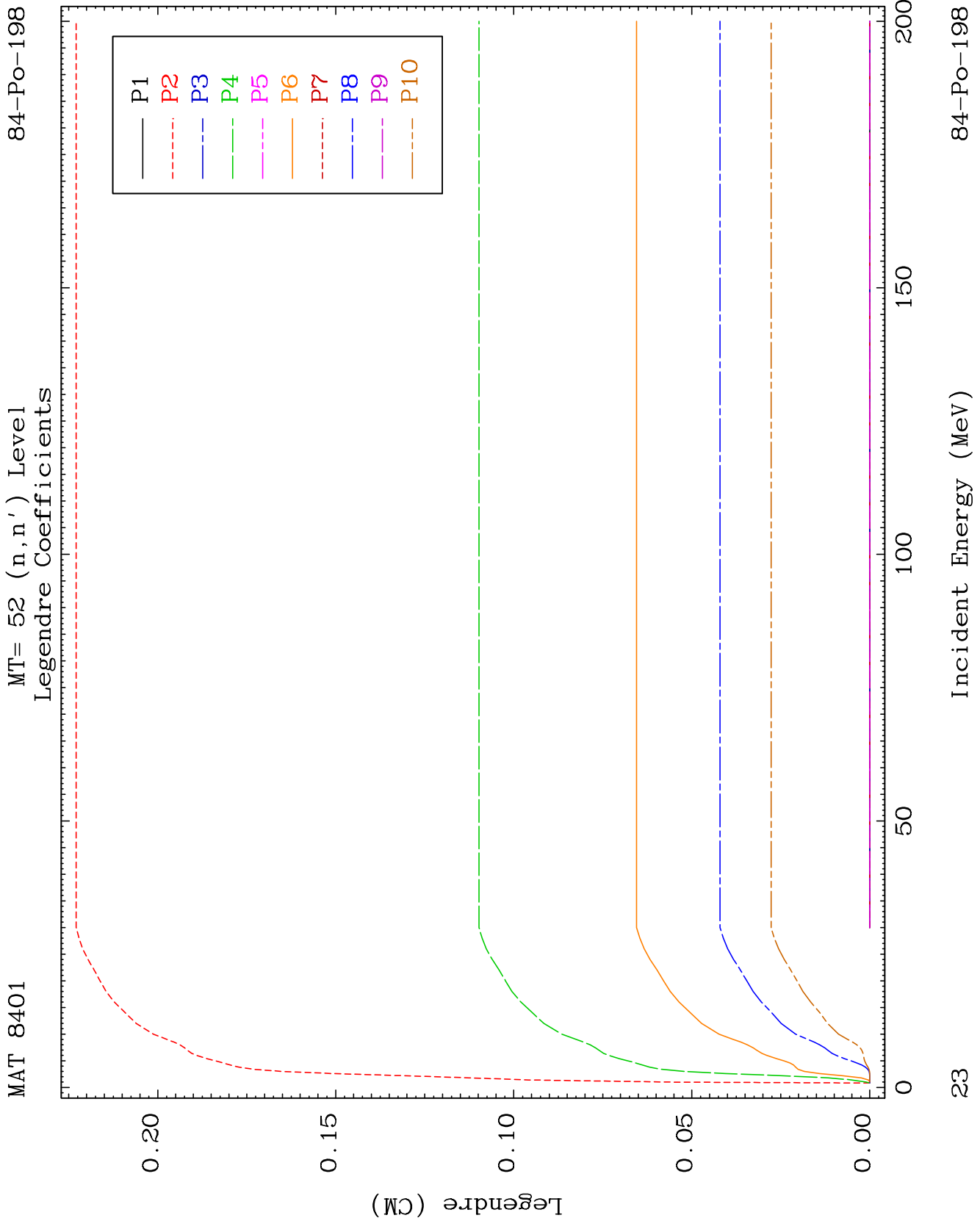


21

Incident Energy (MeV)

84-Po-198



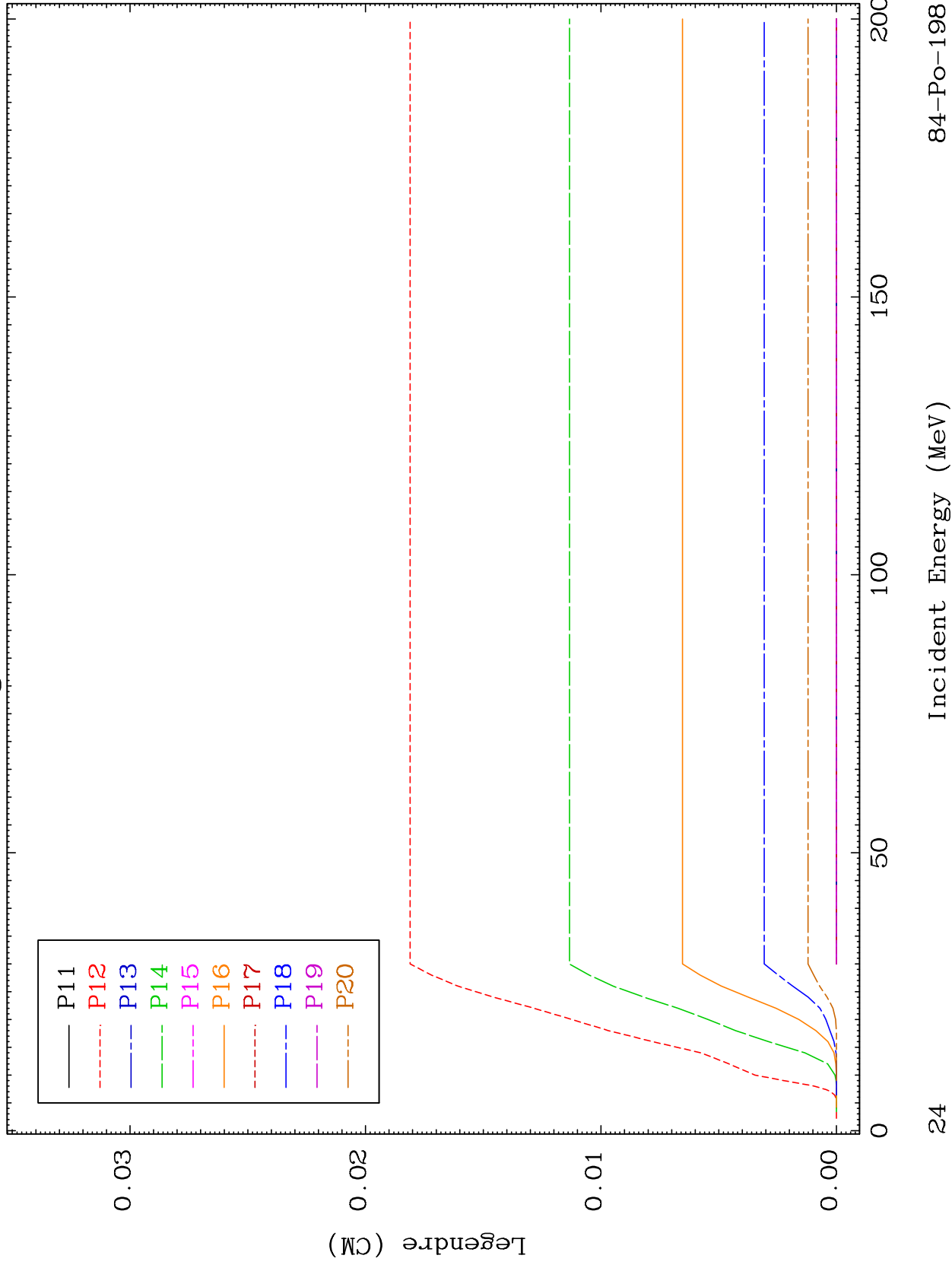




MAT 8401

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

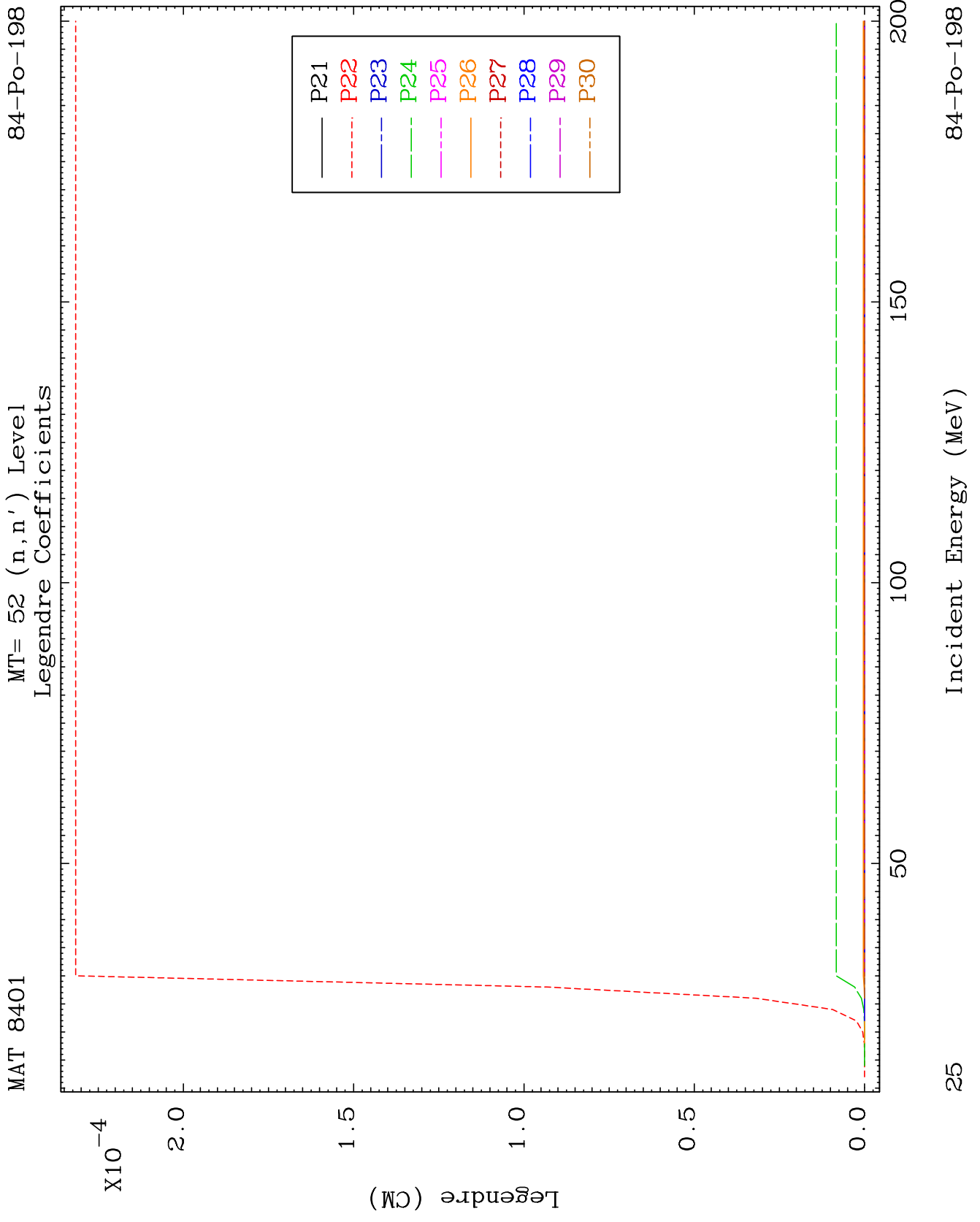
84-Po-198



24

Incident Energy (MeV)

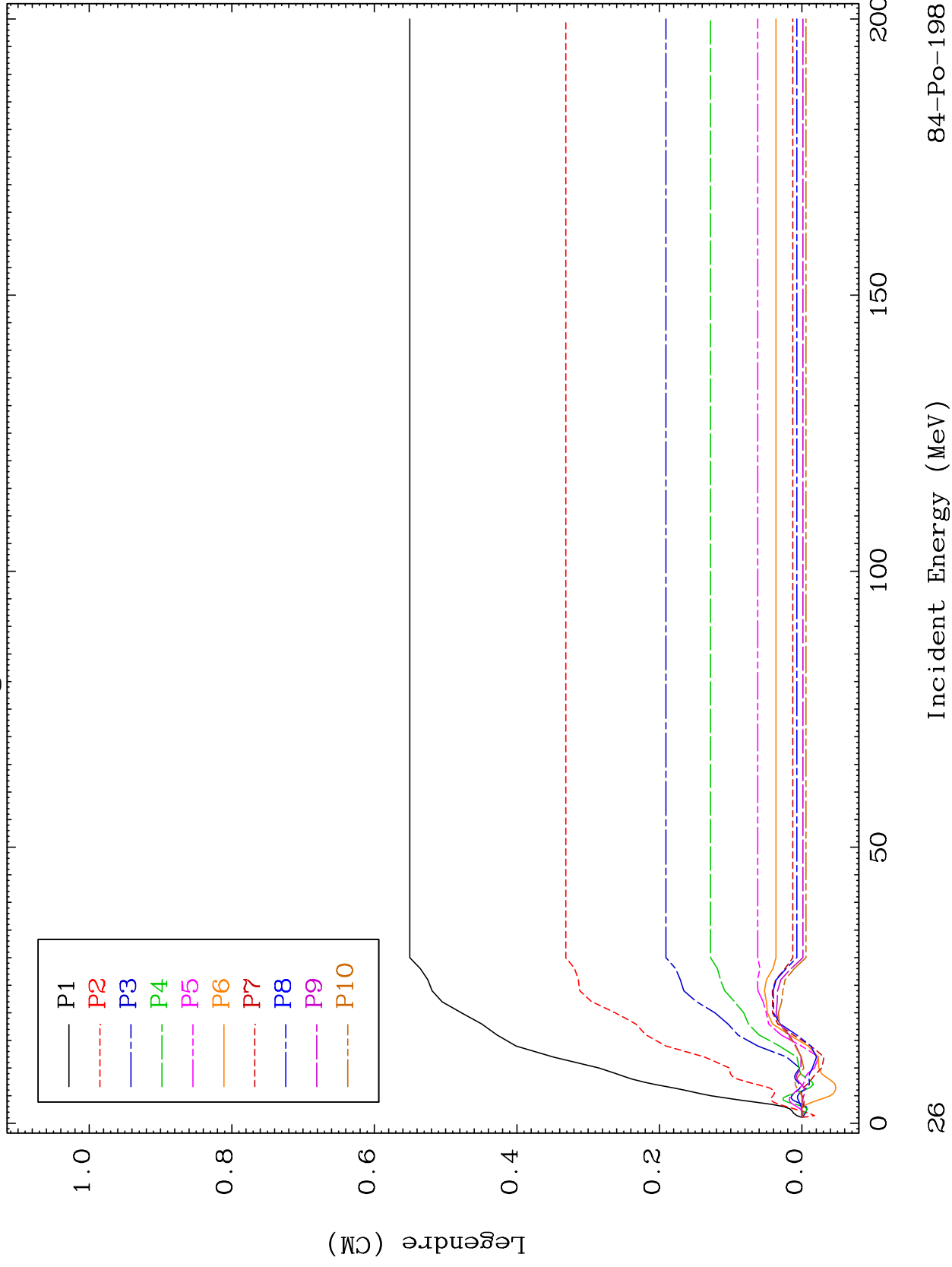
84-Po-198



MAT 8401

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

84-Po-198



26

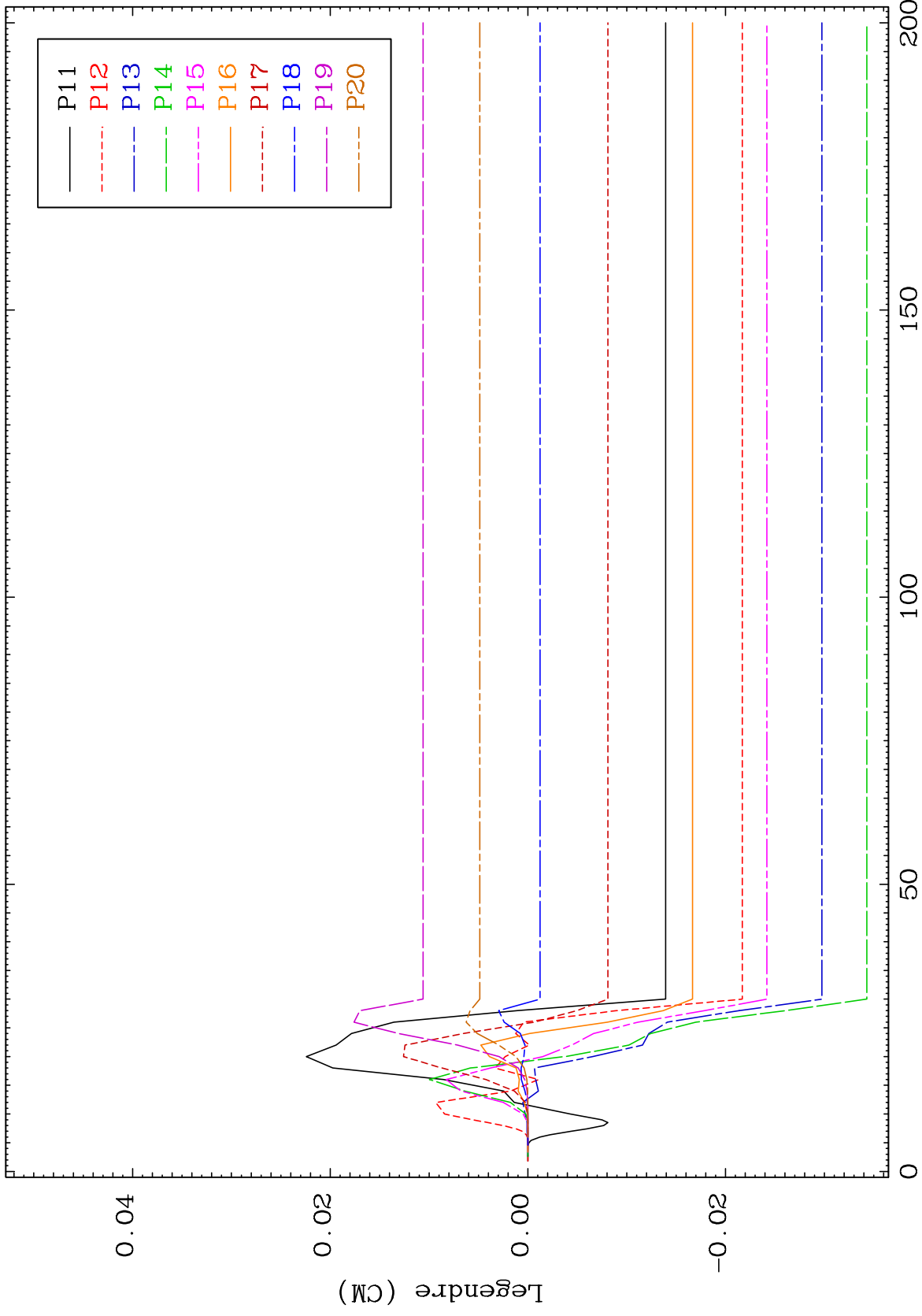
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



27

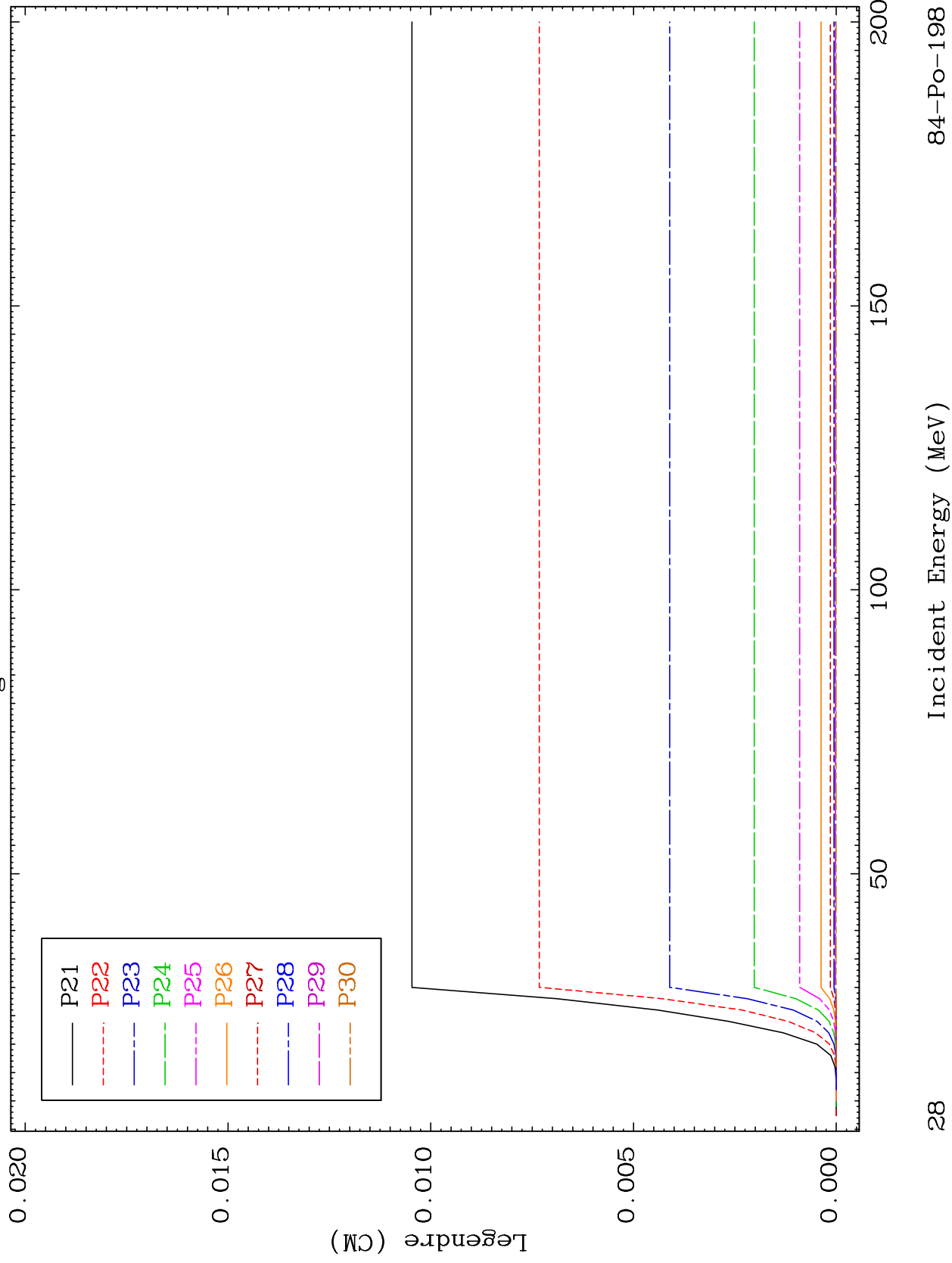
Incident Energy (MeV)

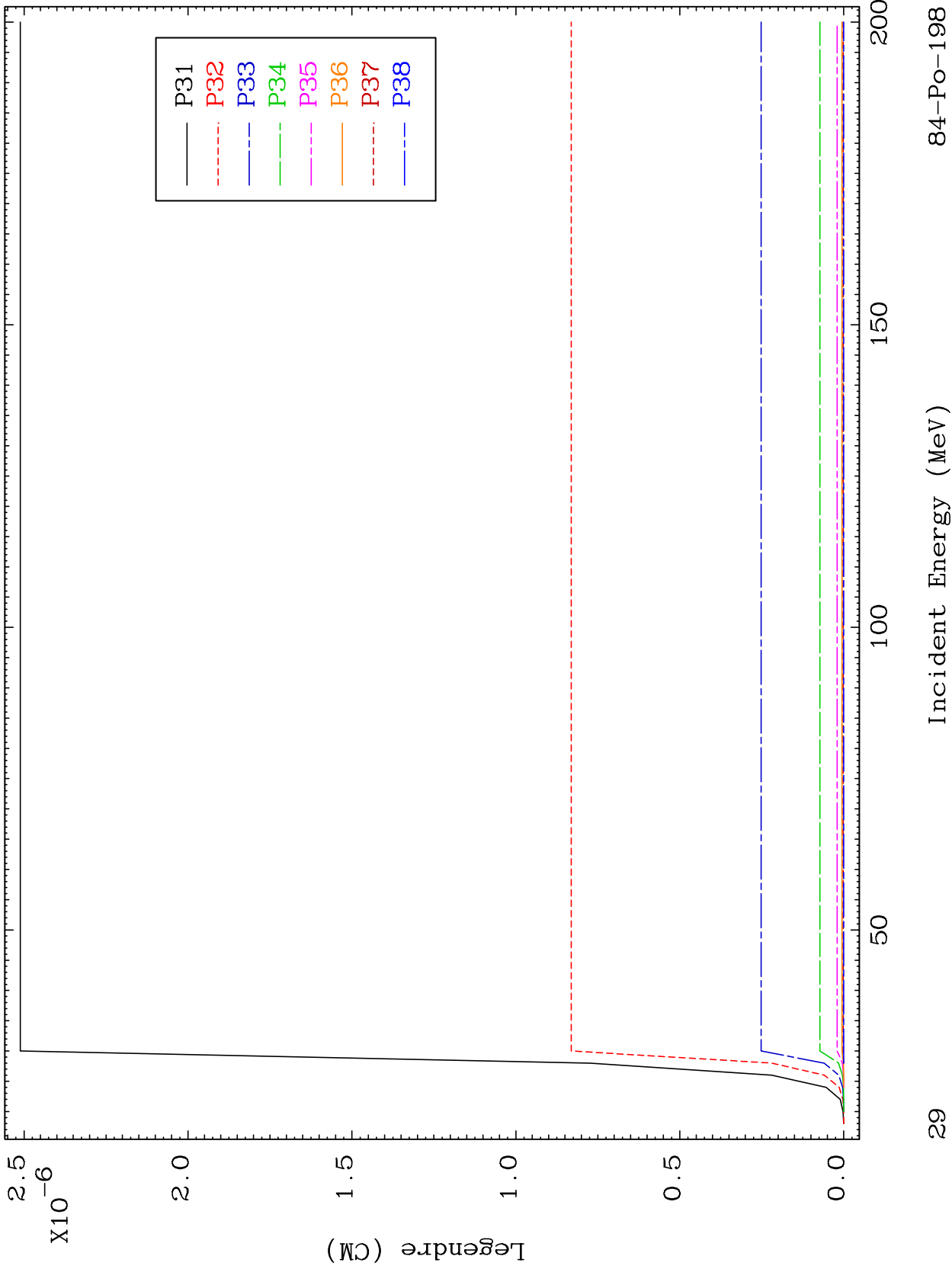
84-Po-198

MAT 8401

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

84-Po-198

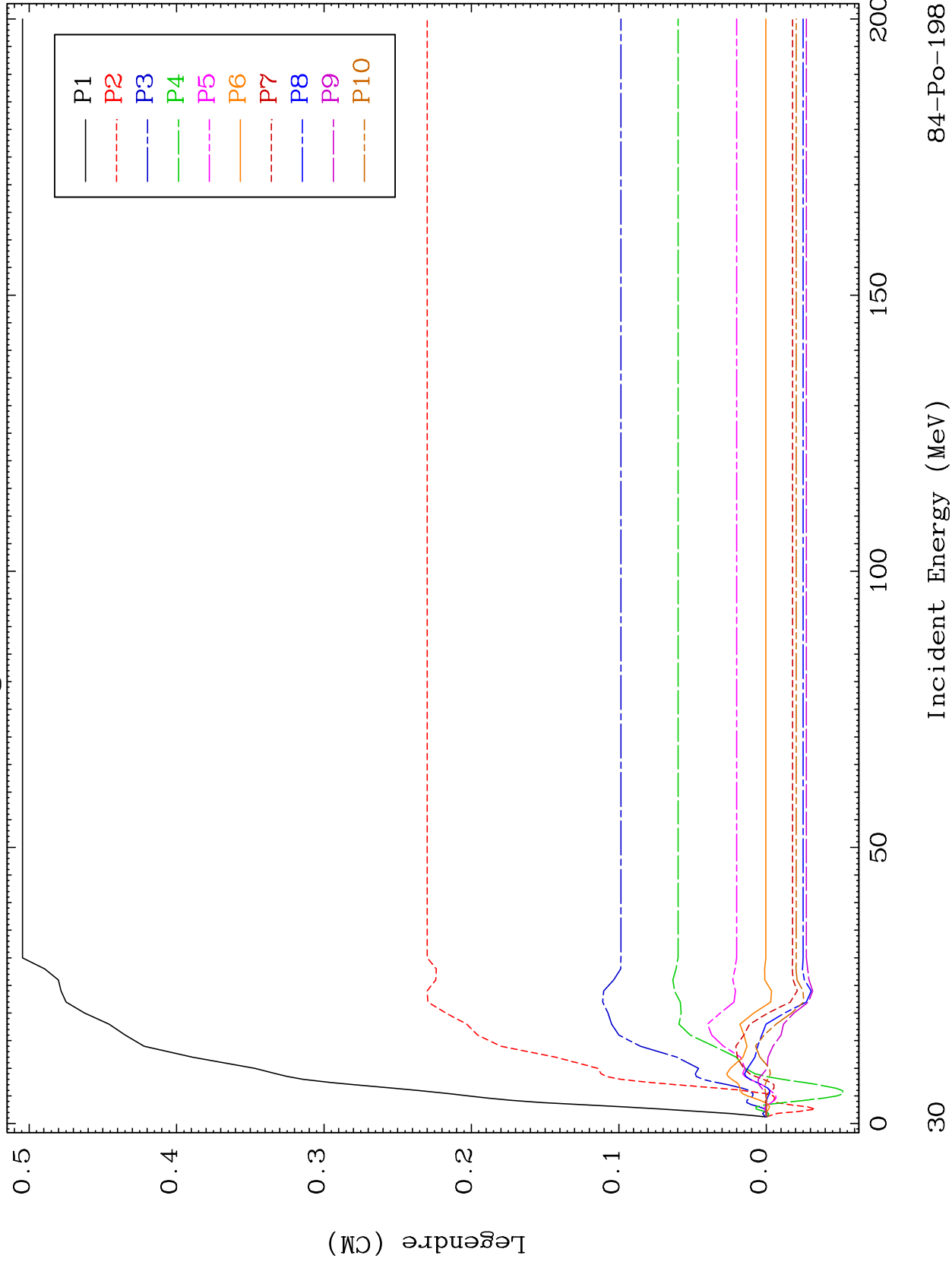




MAT 8401

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

84-Po-198



84-Po-198

Incident Energy (MeV)

30

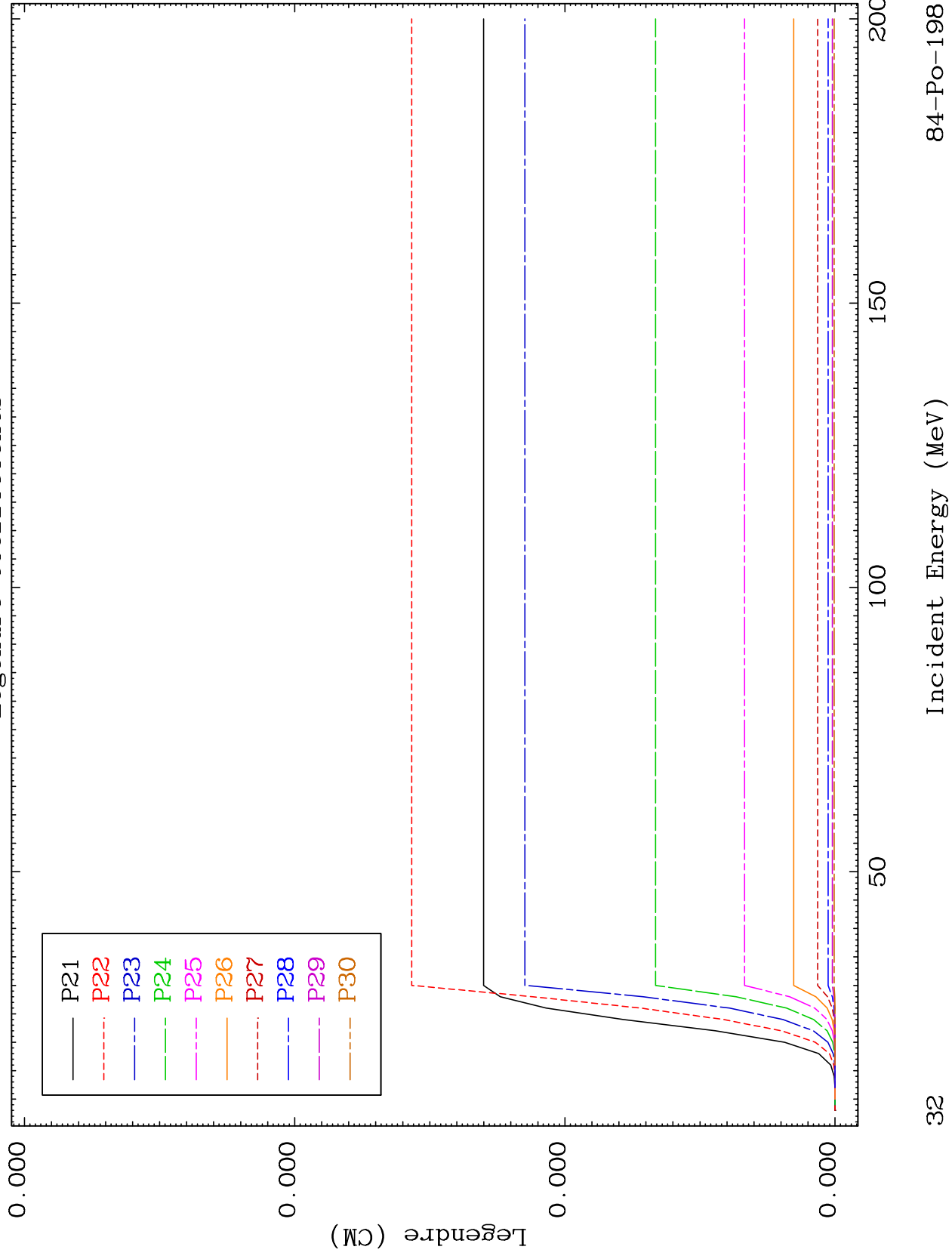


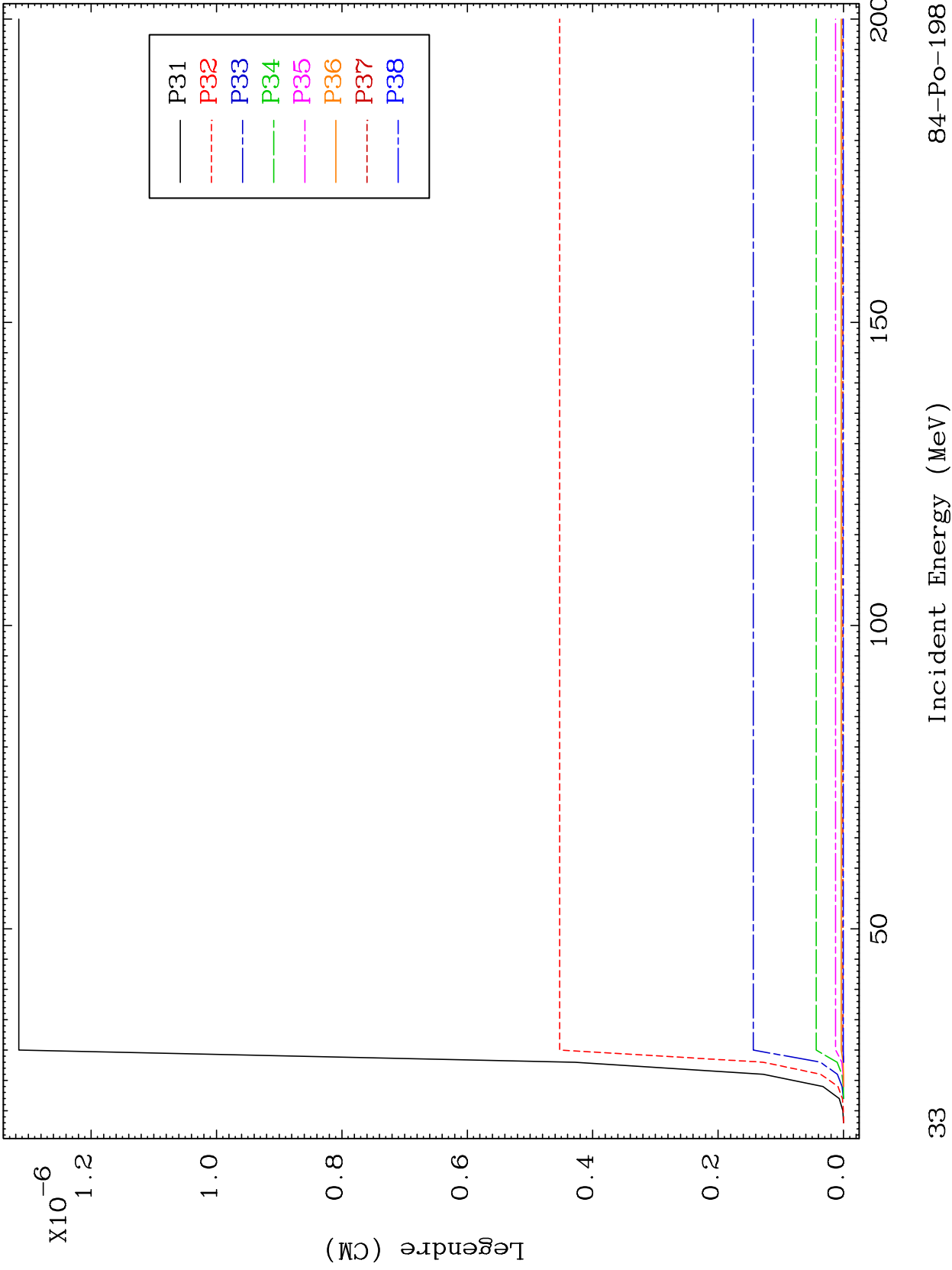


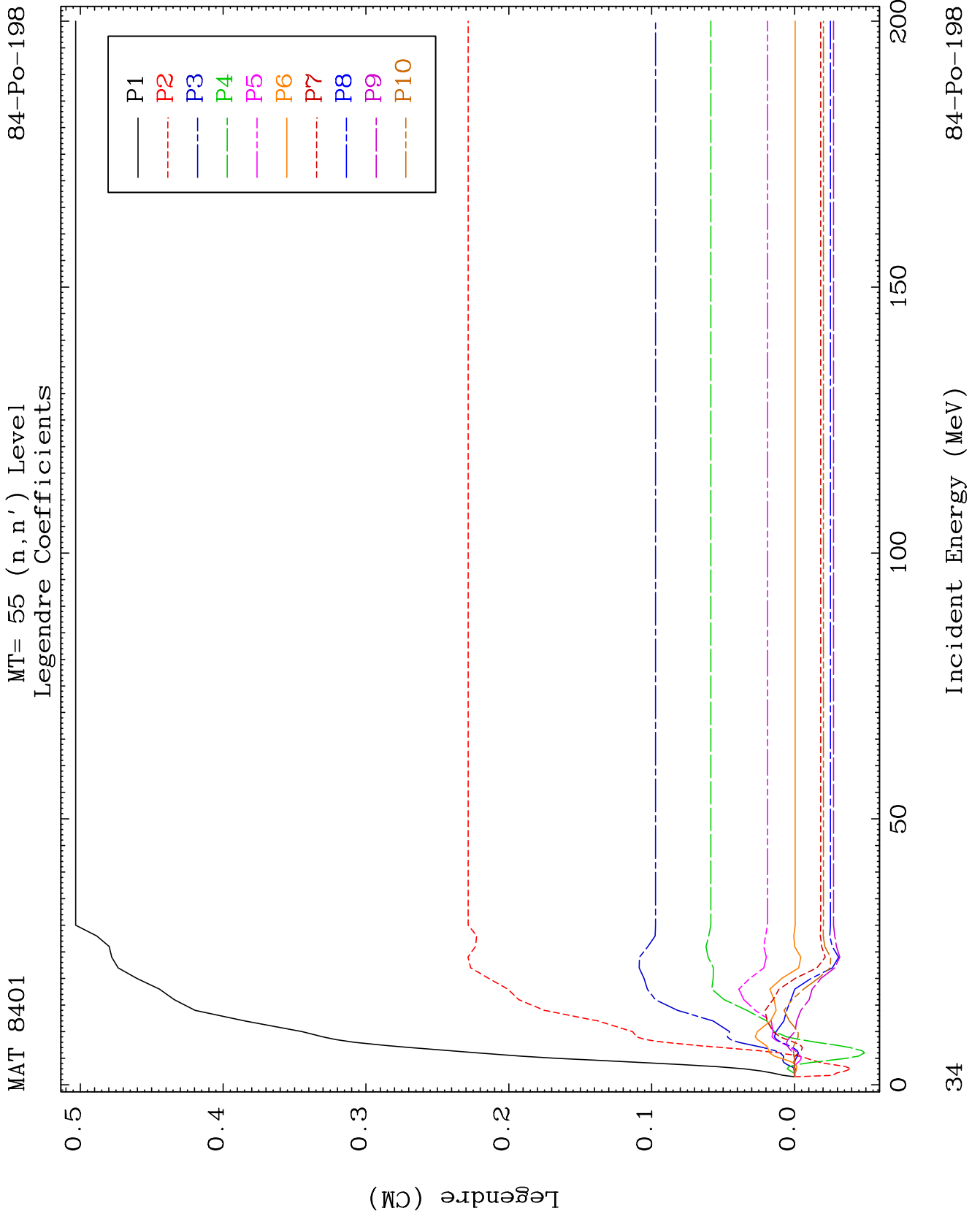
MAT 8401

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

84-Po-198



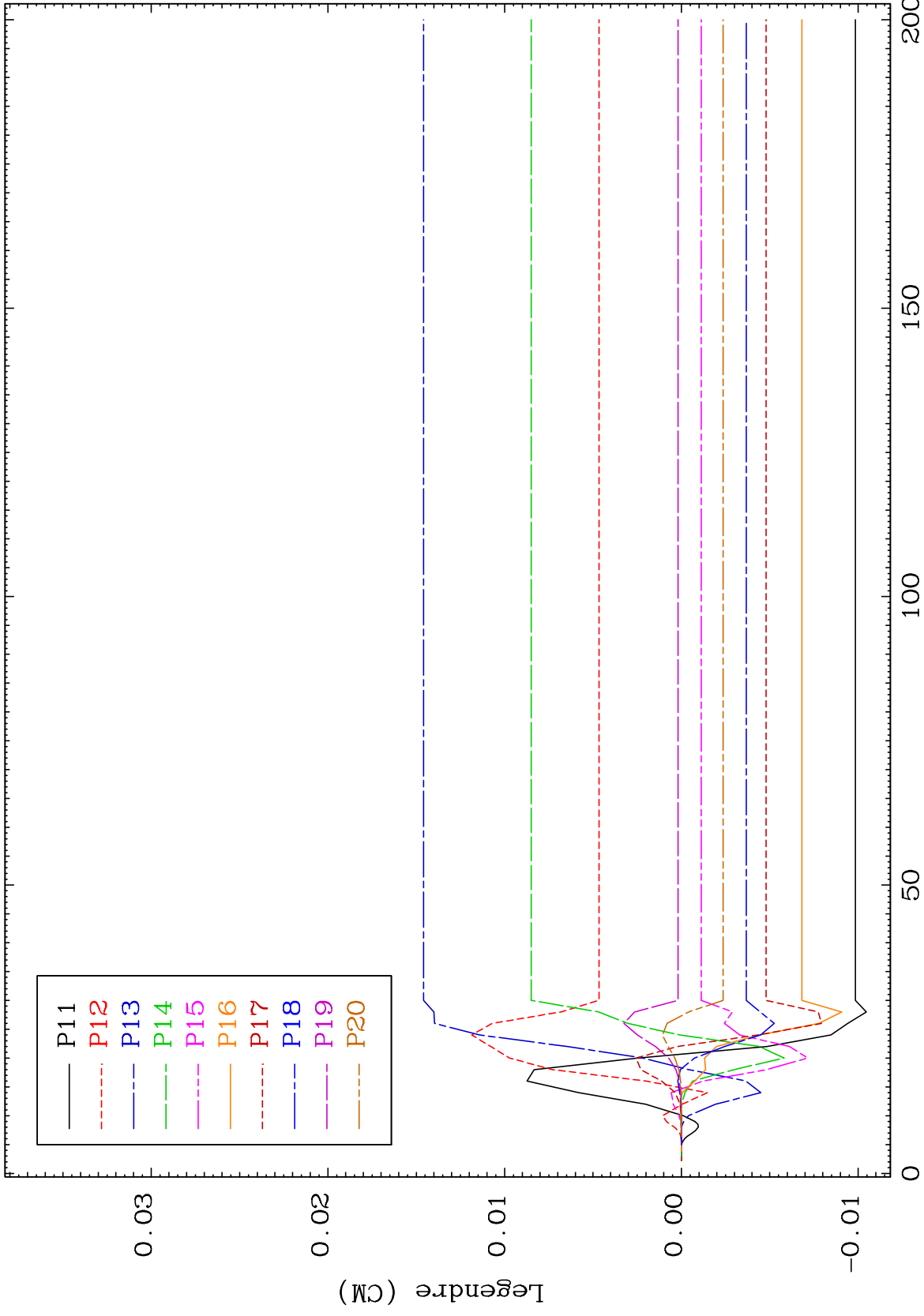




MAT 8401

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

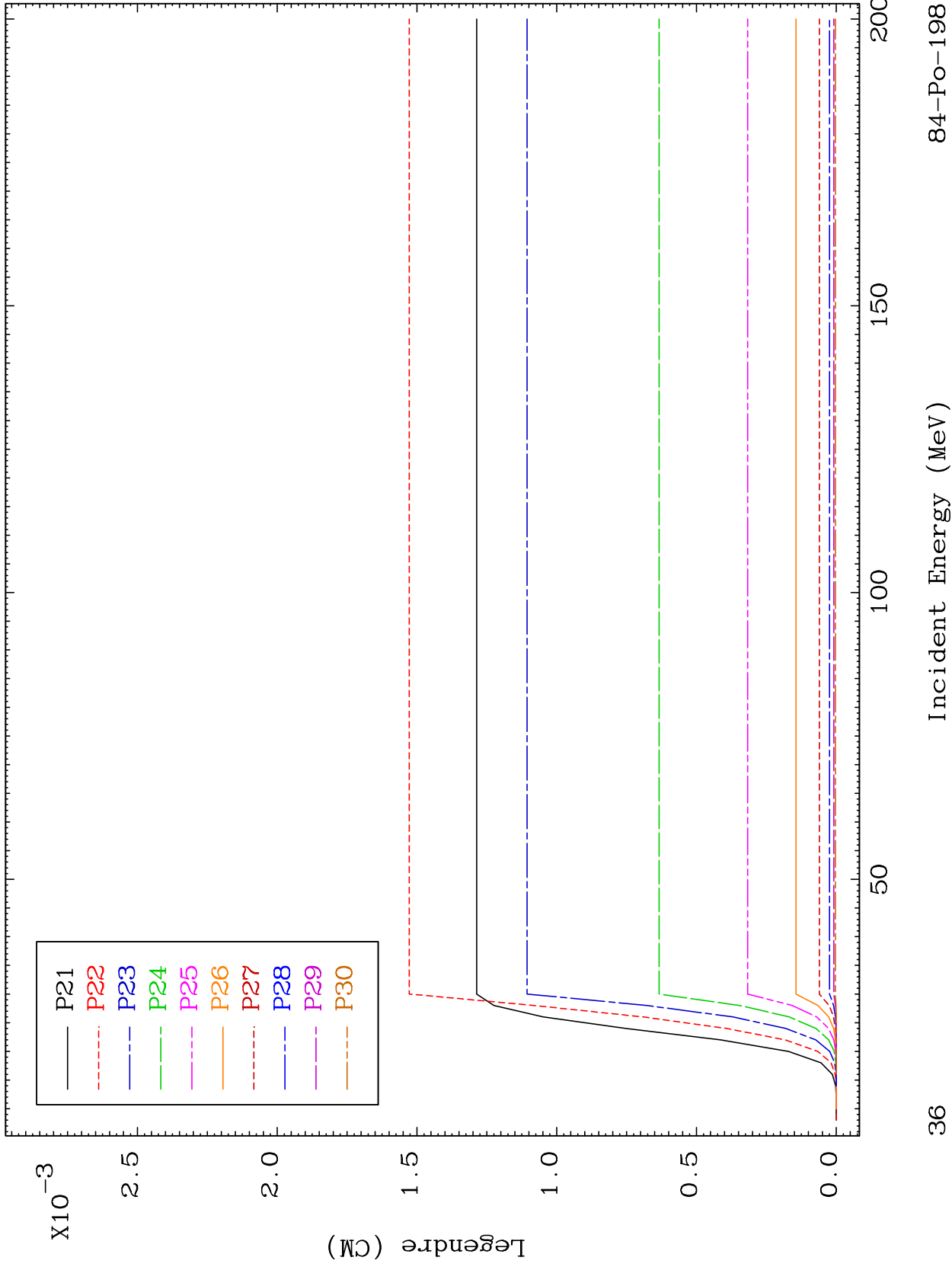
84-Po-198



35

84-Po-198

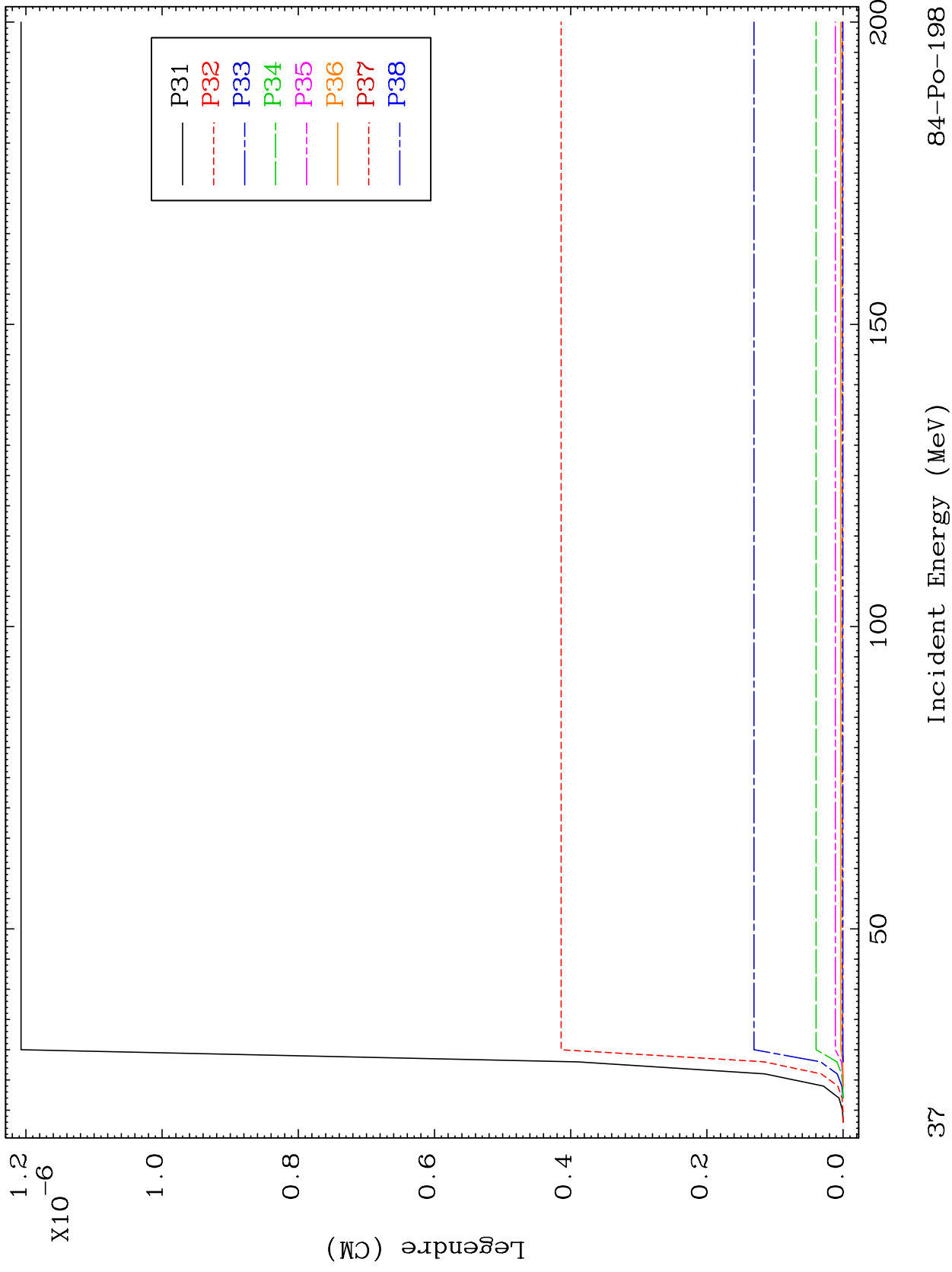
84-Po-198



MAT 8401

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

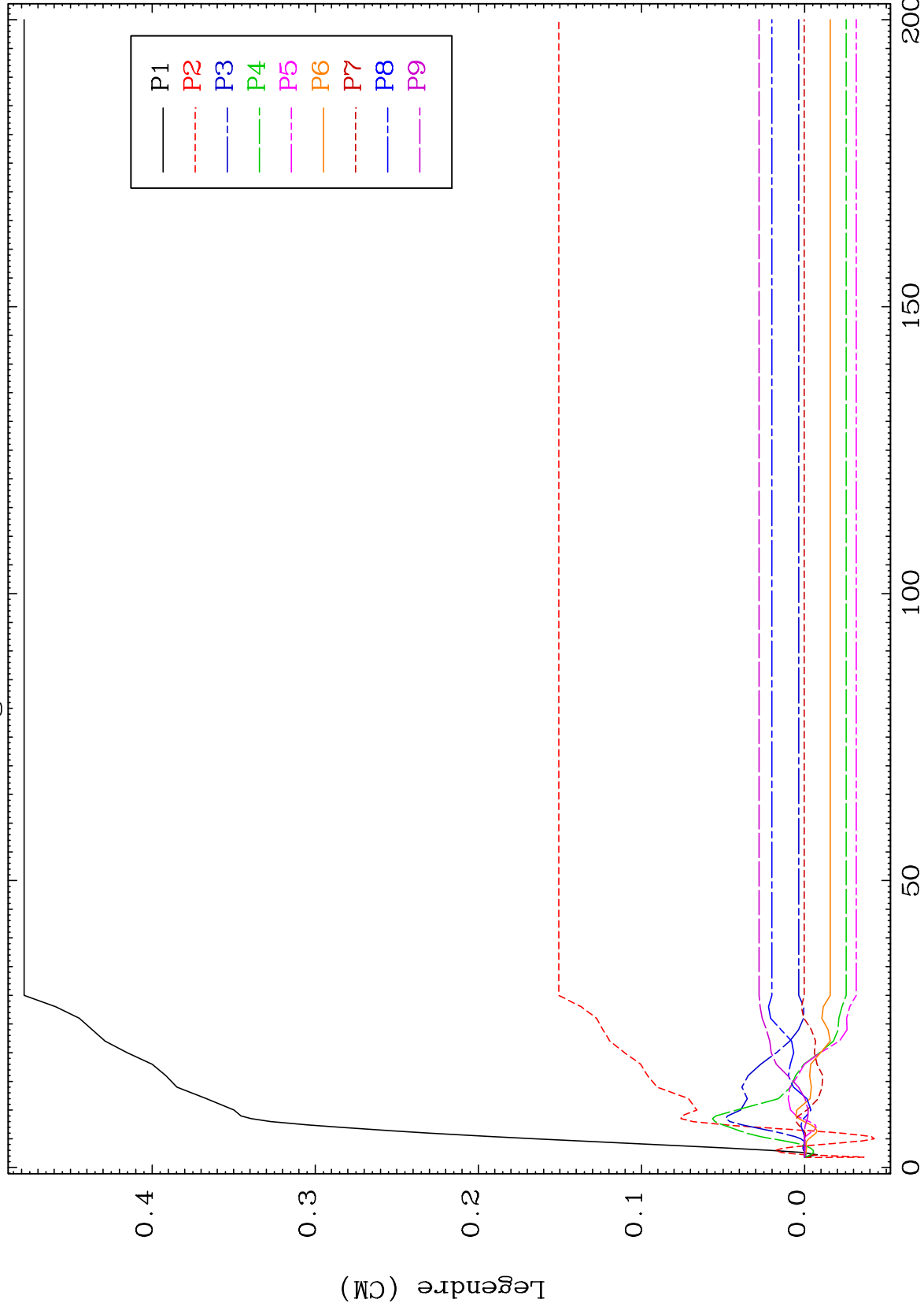
84-Po-198



MAT 8401

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

84-Po-198



84-Po-198

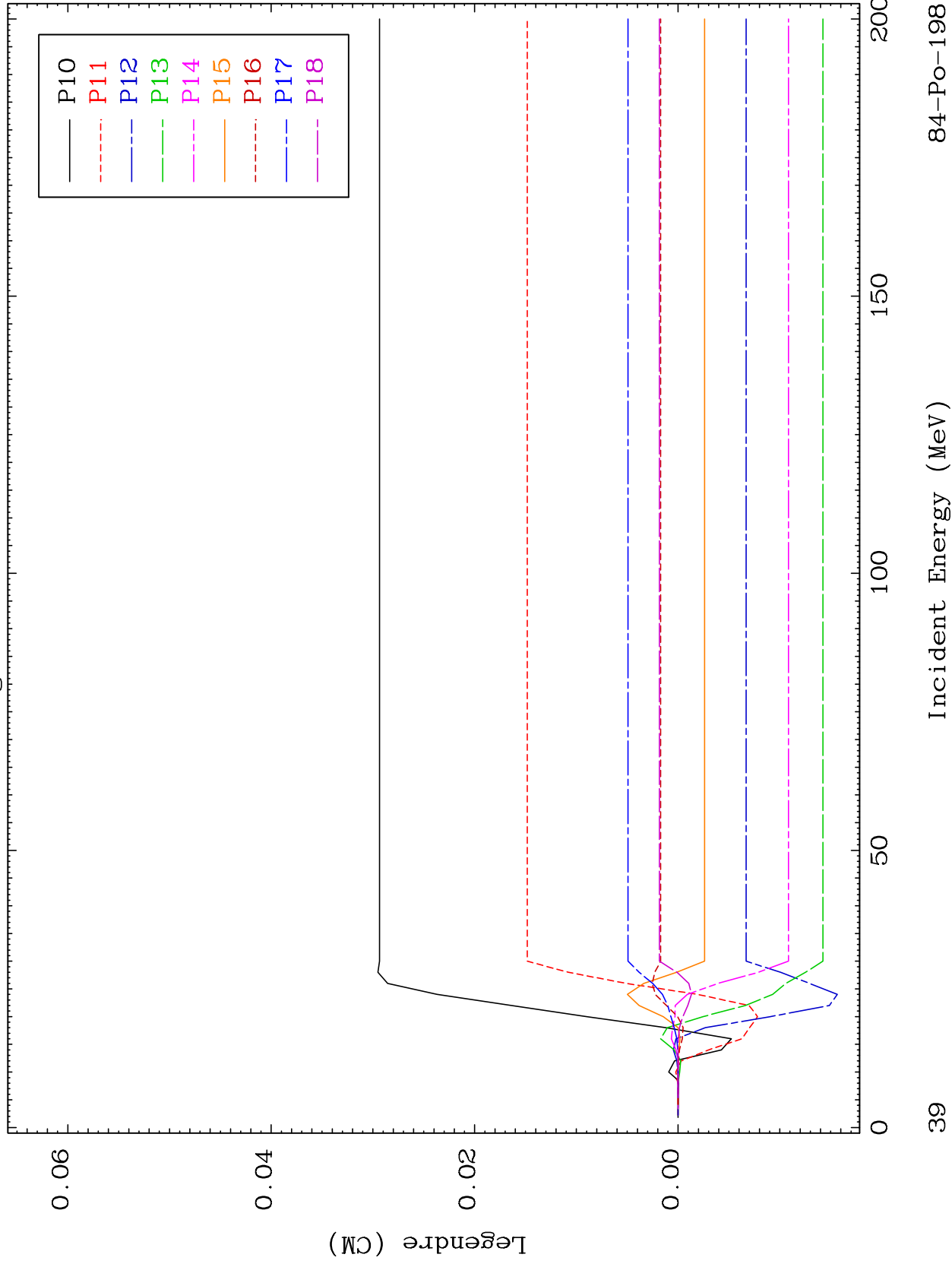
Incident Energy (MeV)

38

MAT 8401

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

84-Po-198



39

Incident Energy (MeV)

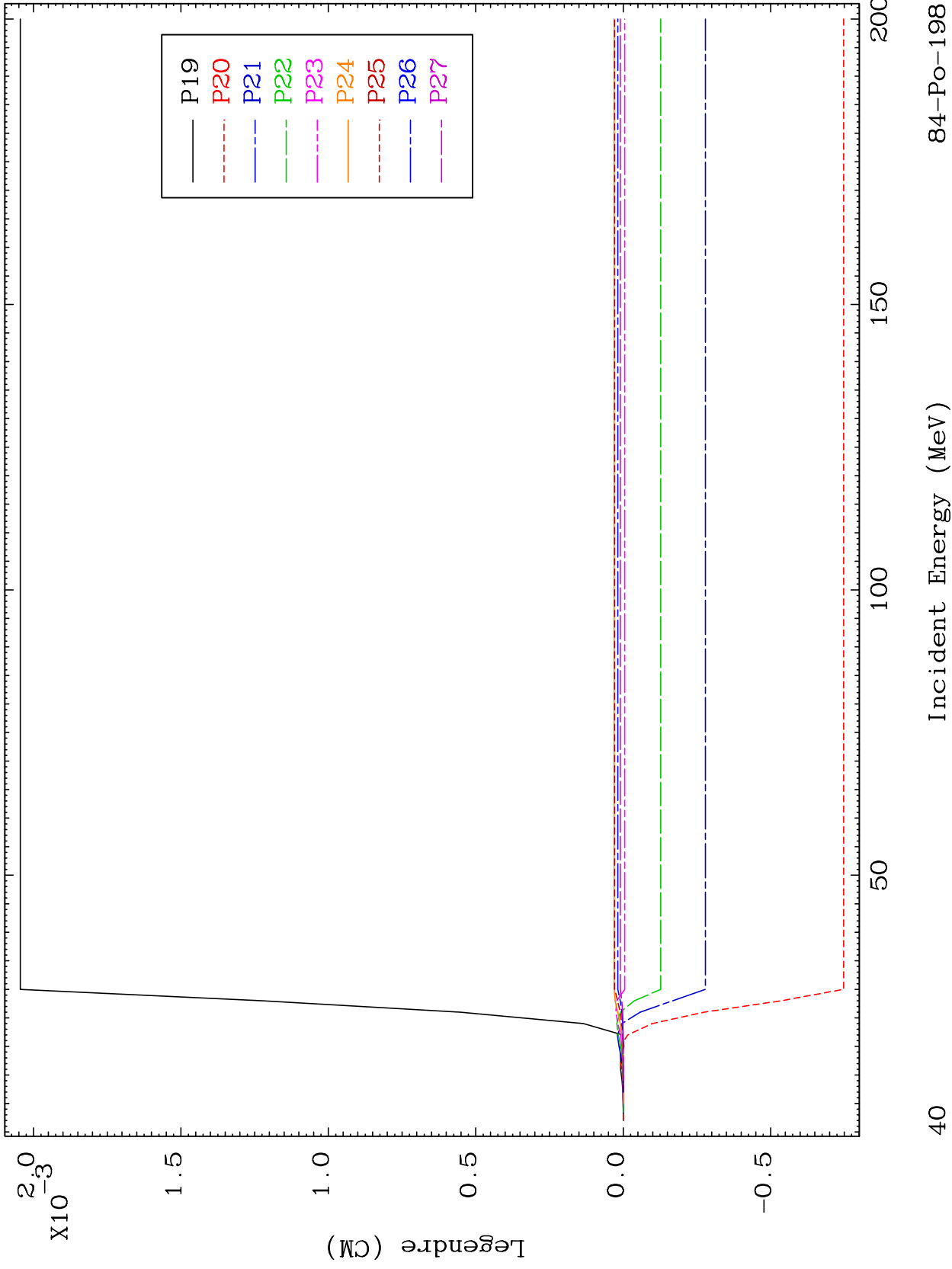
84-Po-198



MAT 8401

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

84-Po-198



40

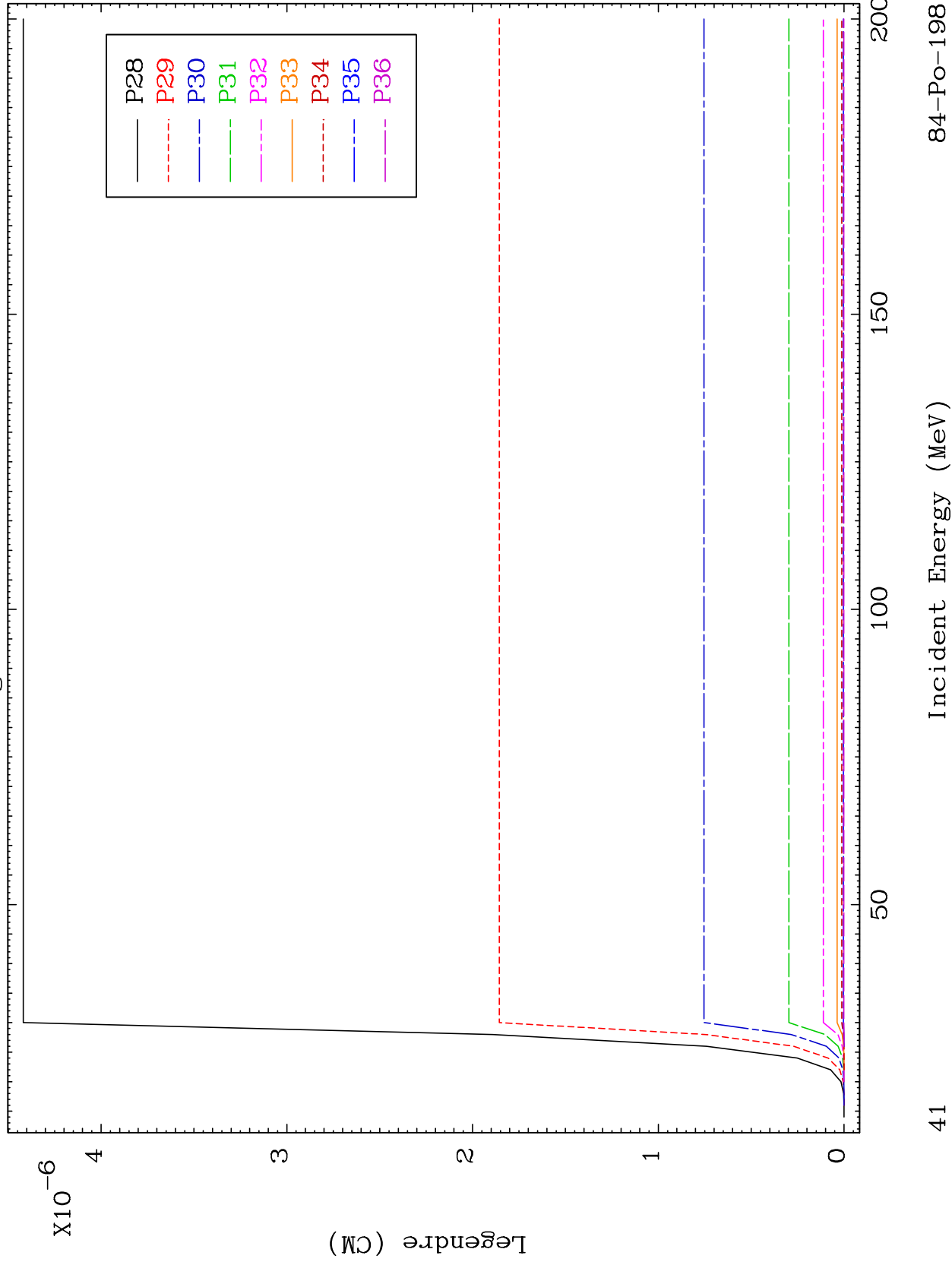
Incident Energy (MeV)

84-Po-198

MAT 8401

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

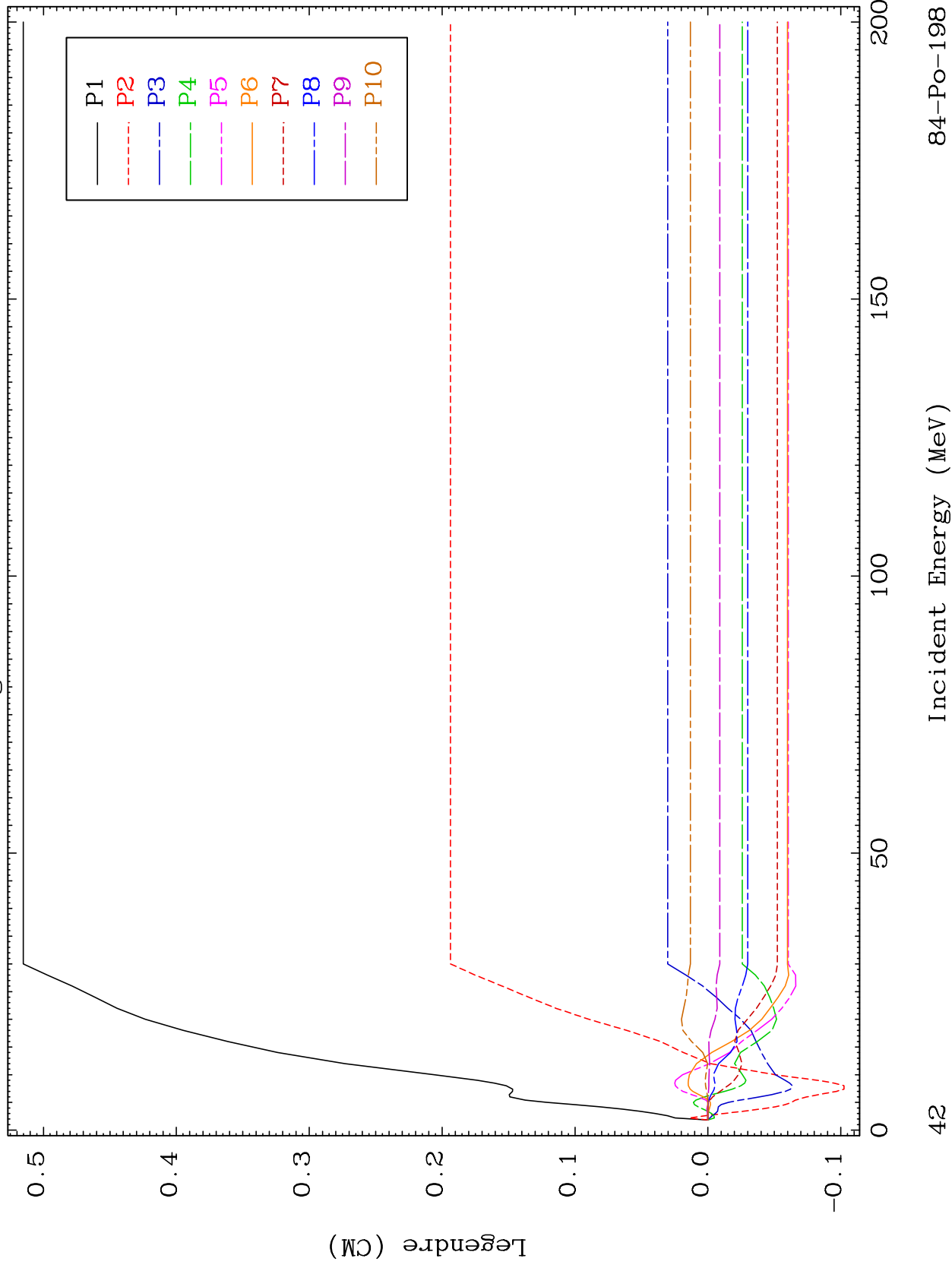
84-Po-198



MAT 8401

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

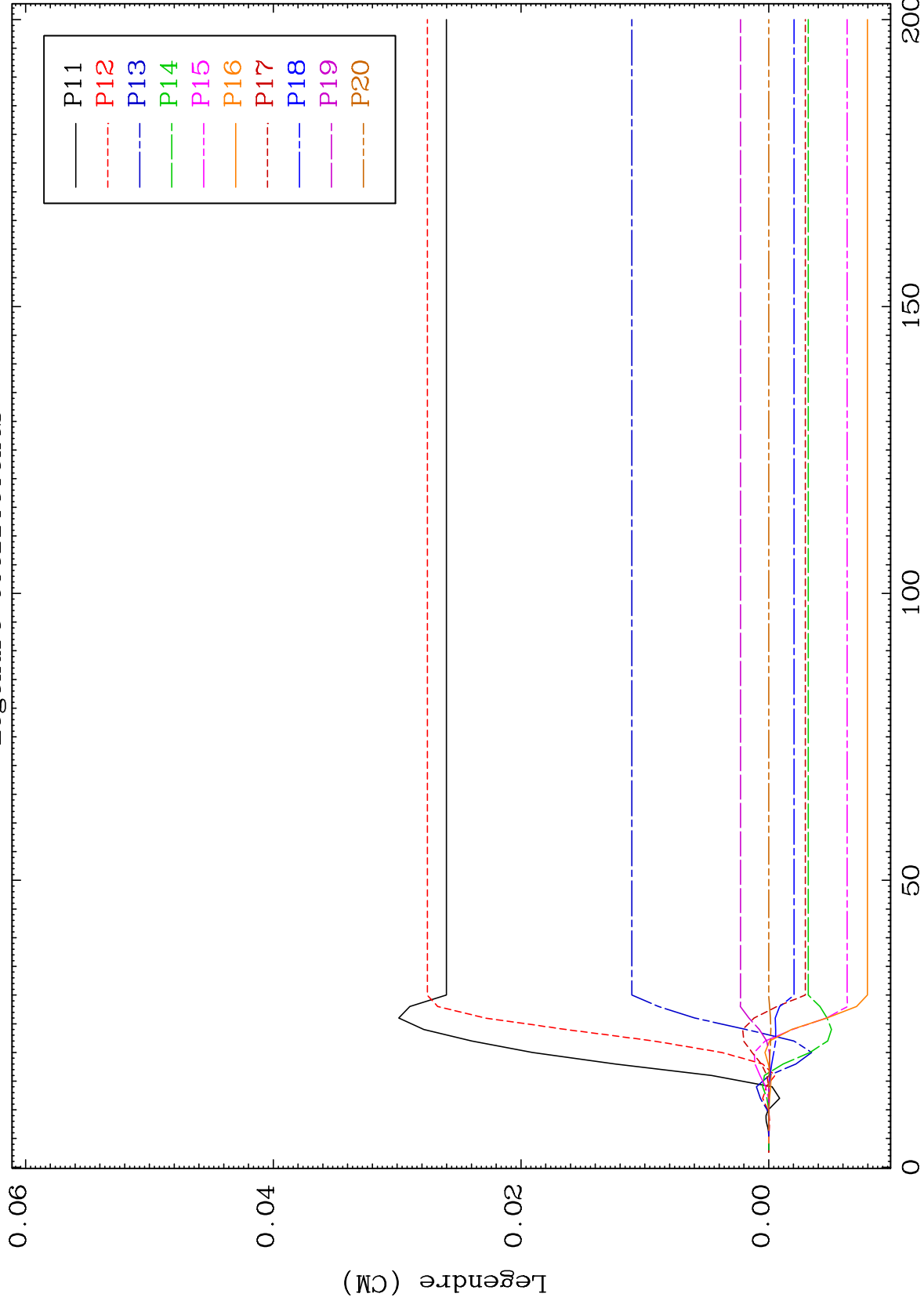
84-Po-198



MAT 8401

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

84-Po-198



43

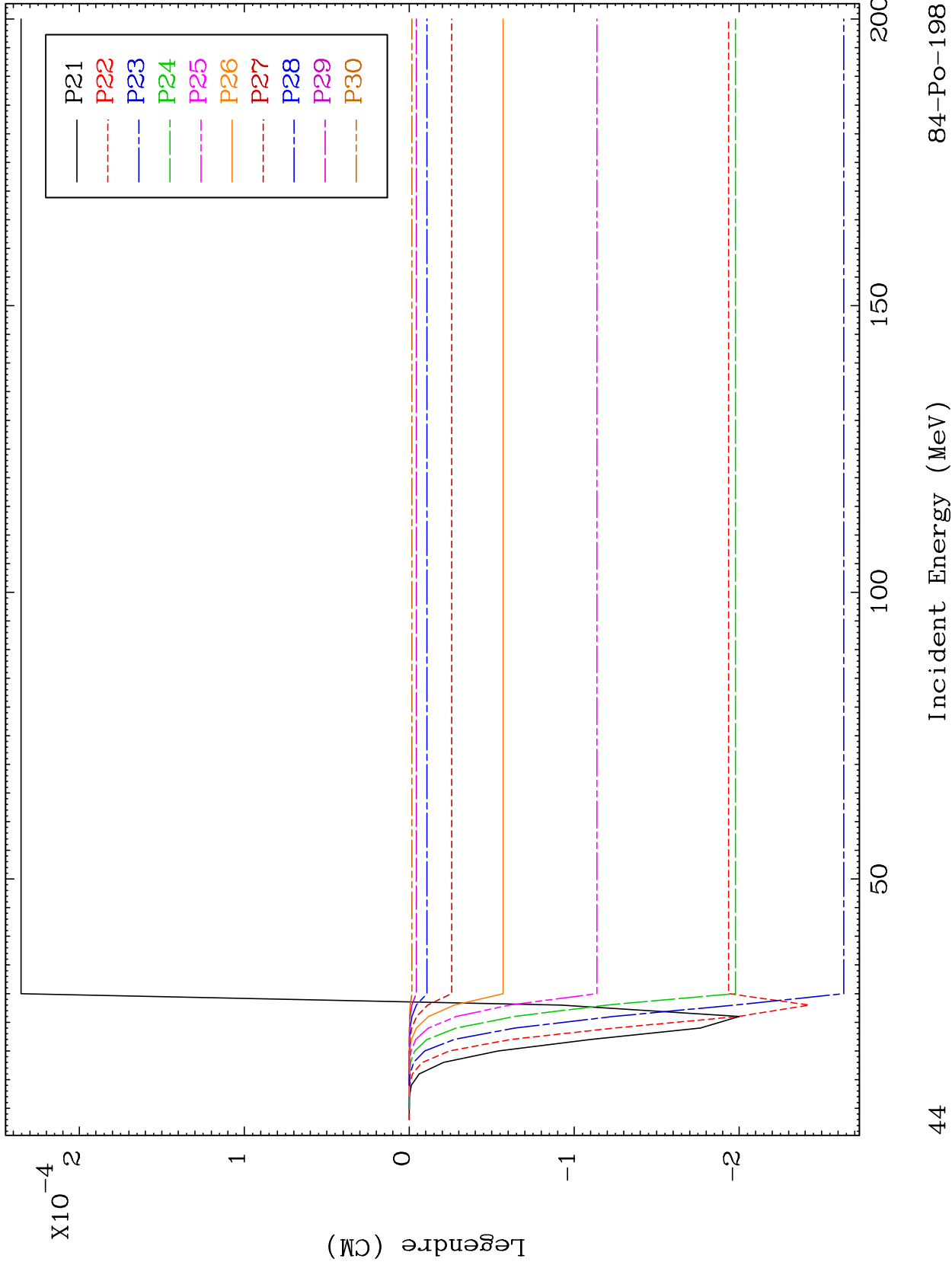
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



44

Incident Energy (MeV)

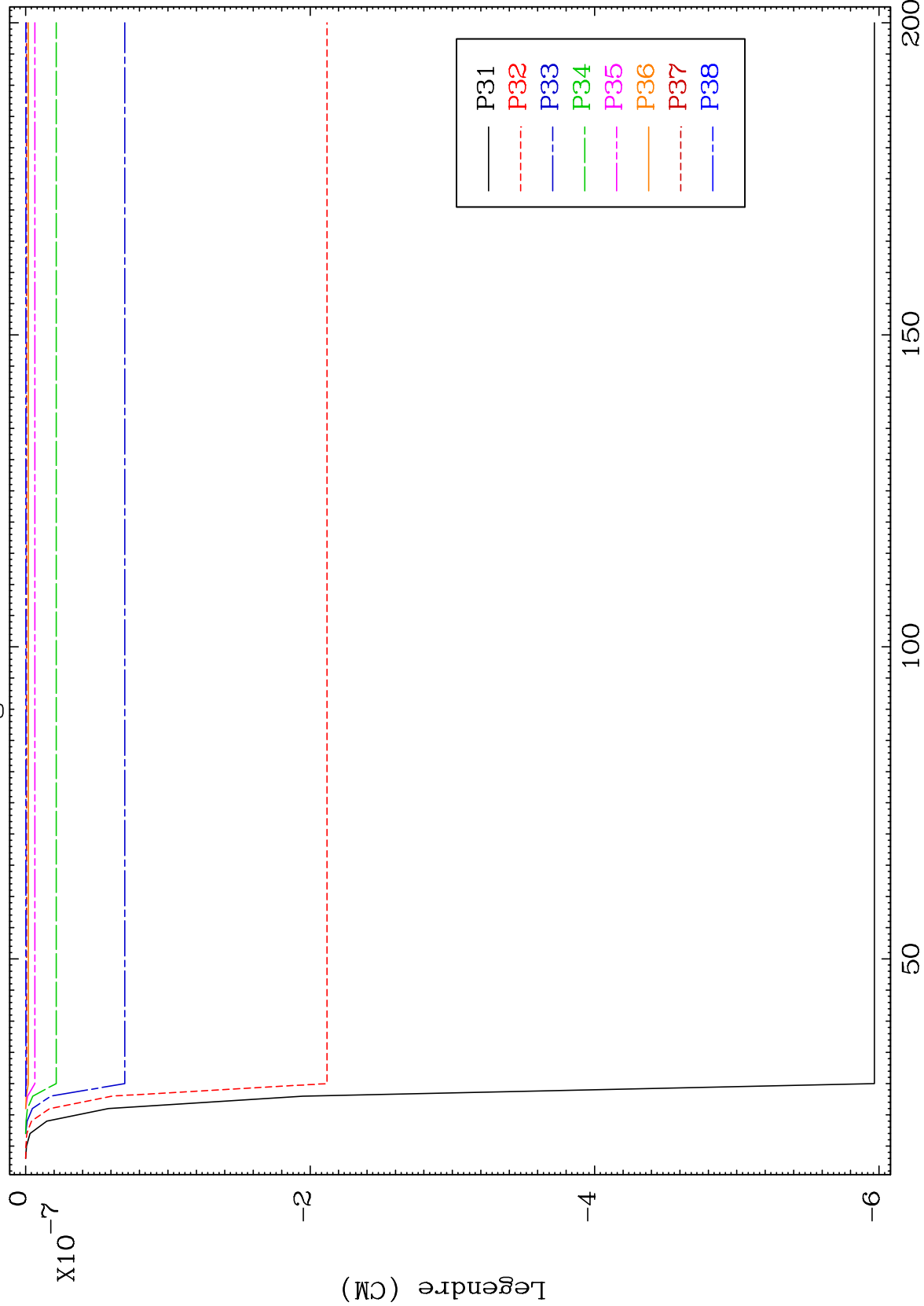
84-Po-198

MAT 8401

MT= 57 (n,n') Level

84-Po-198

Legendre Coefficients



84-Po-198

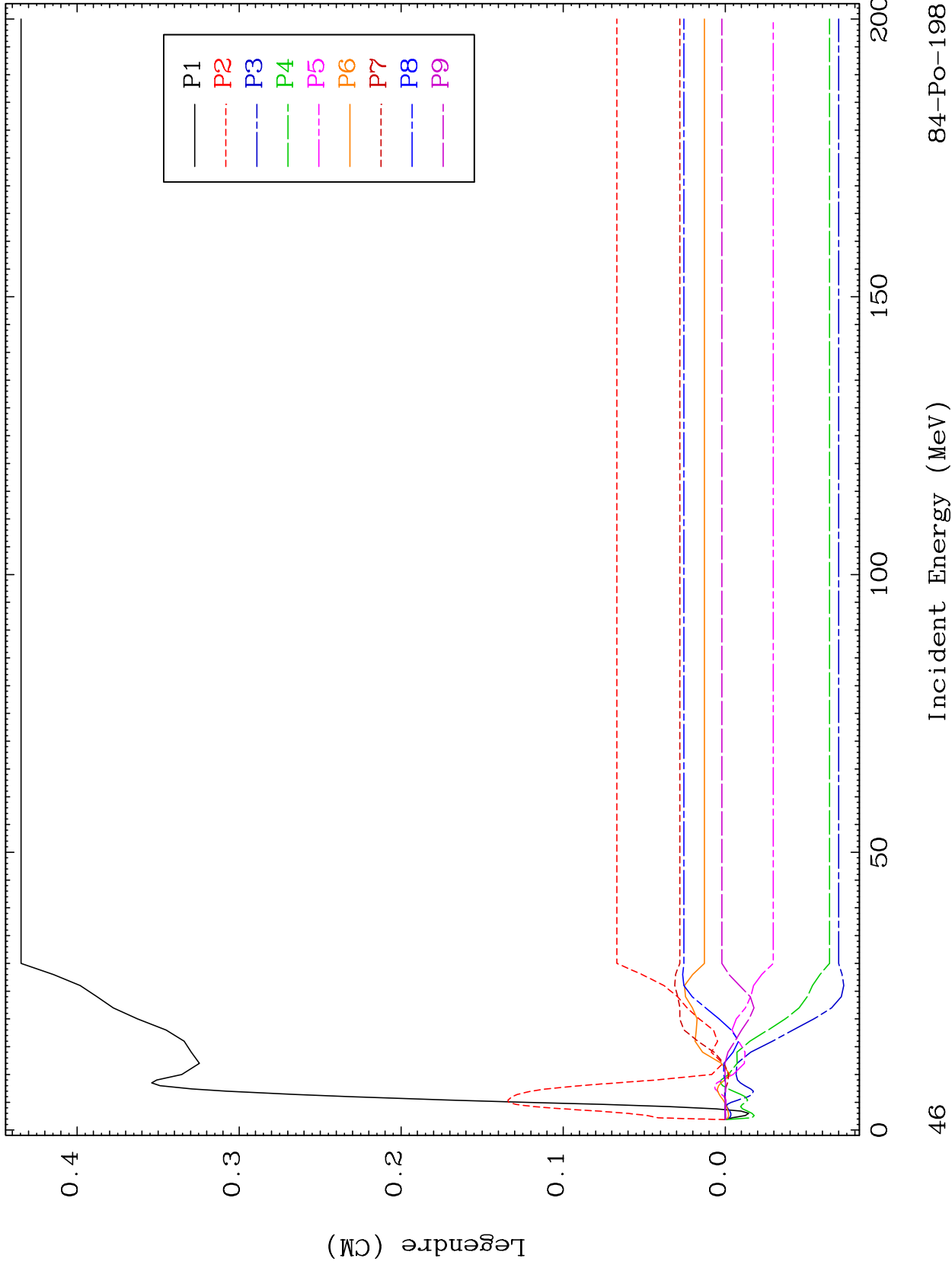
Incident Energy (MeV)

45

MAT 8401

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

84-Po-198



46

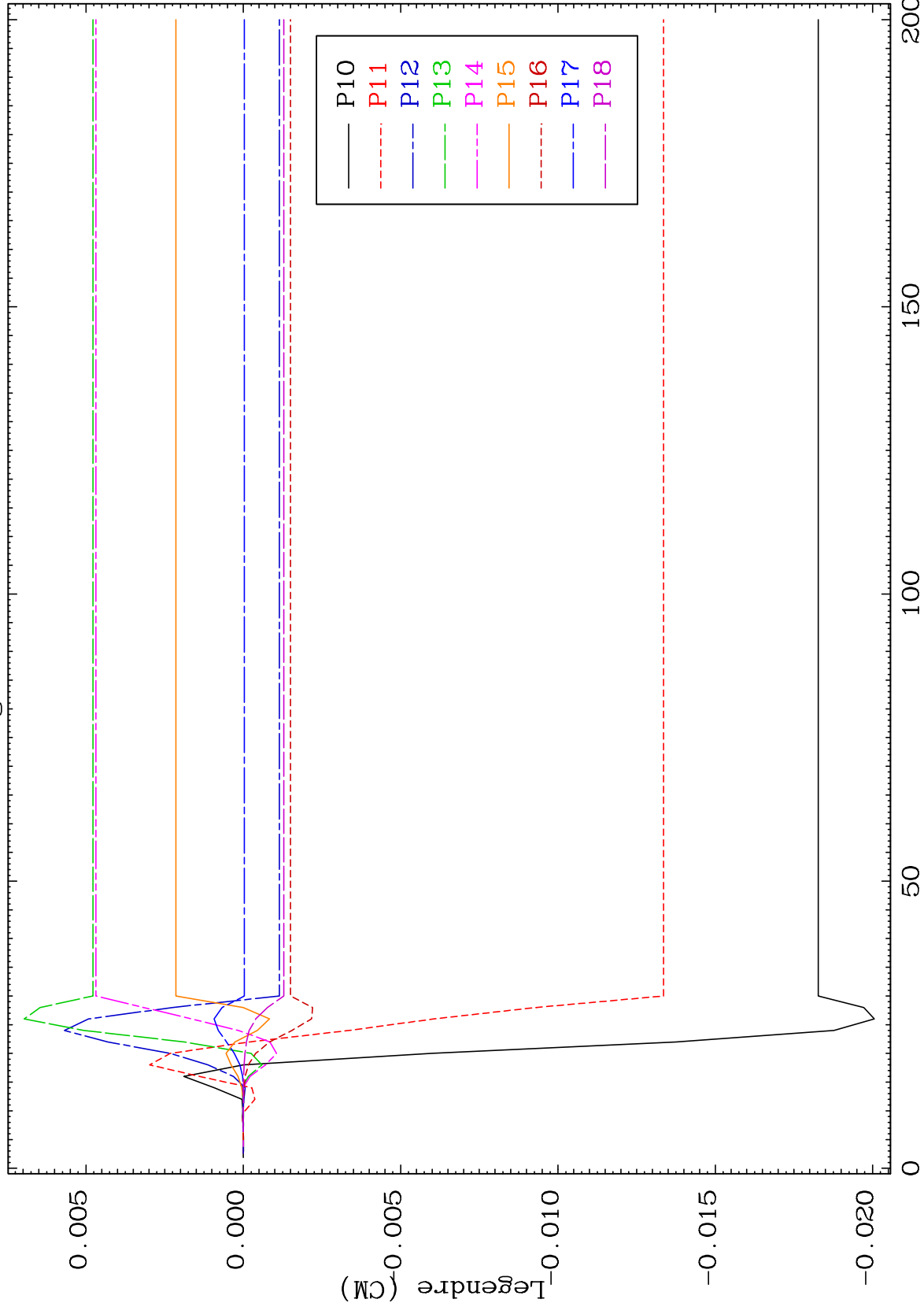
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



47

Incident Energy (MeV)

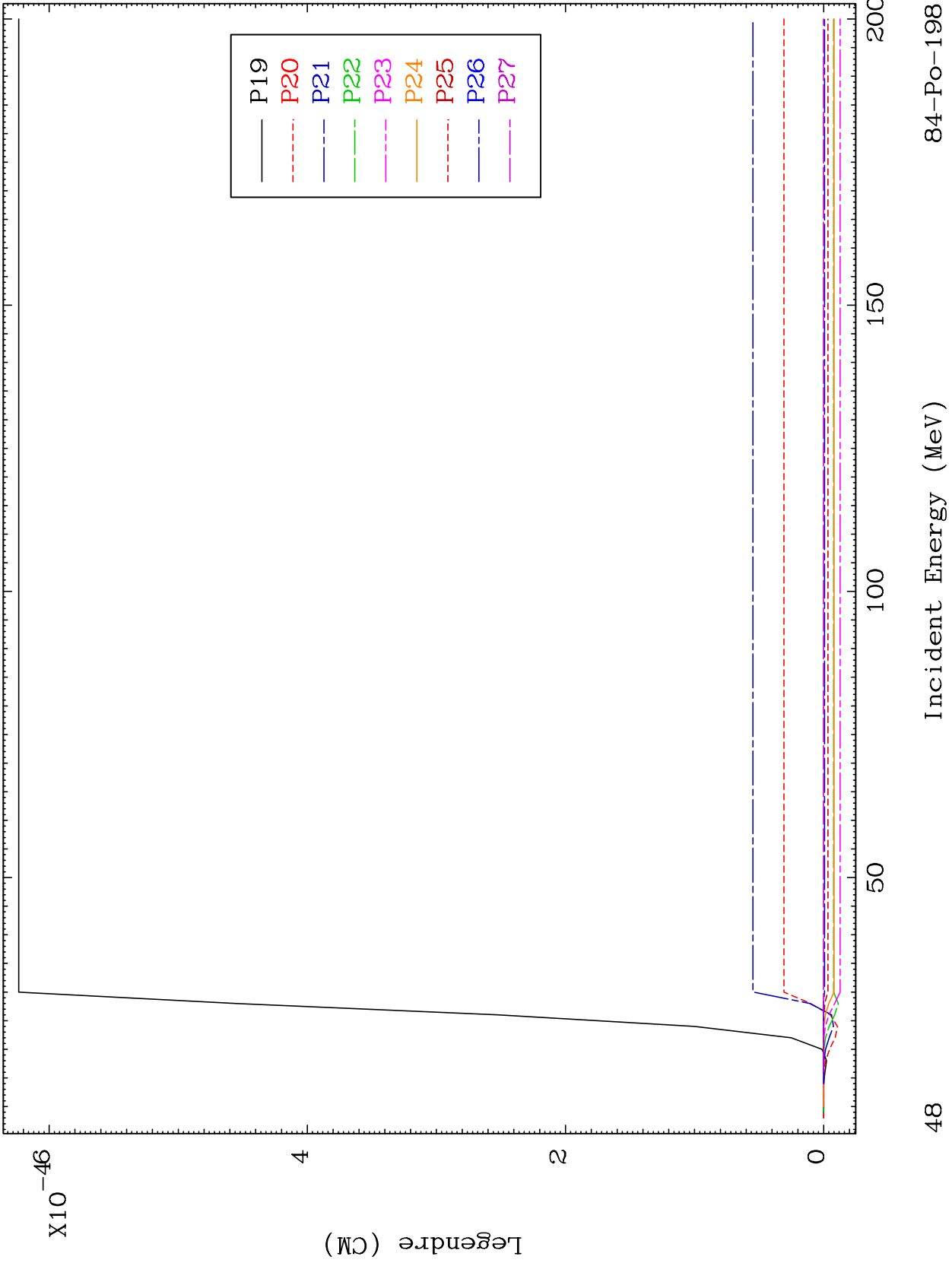
84-Po-198



MAT 8401

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

84-Po-198



48

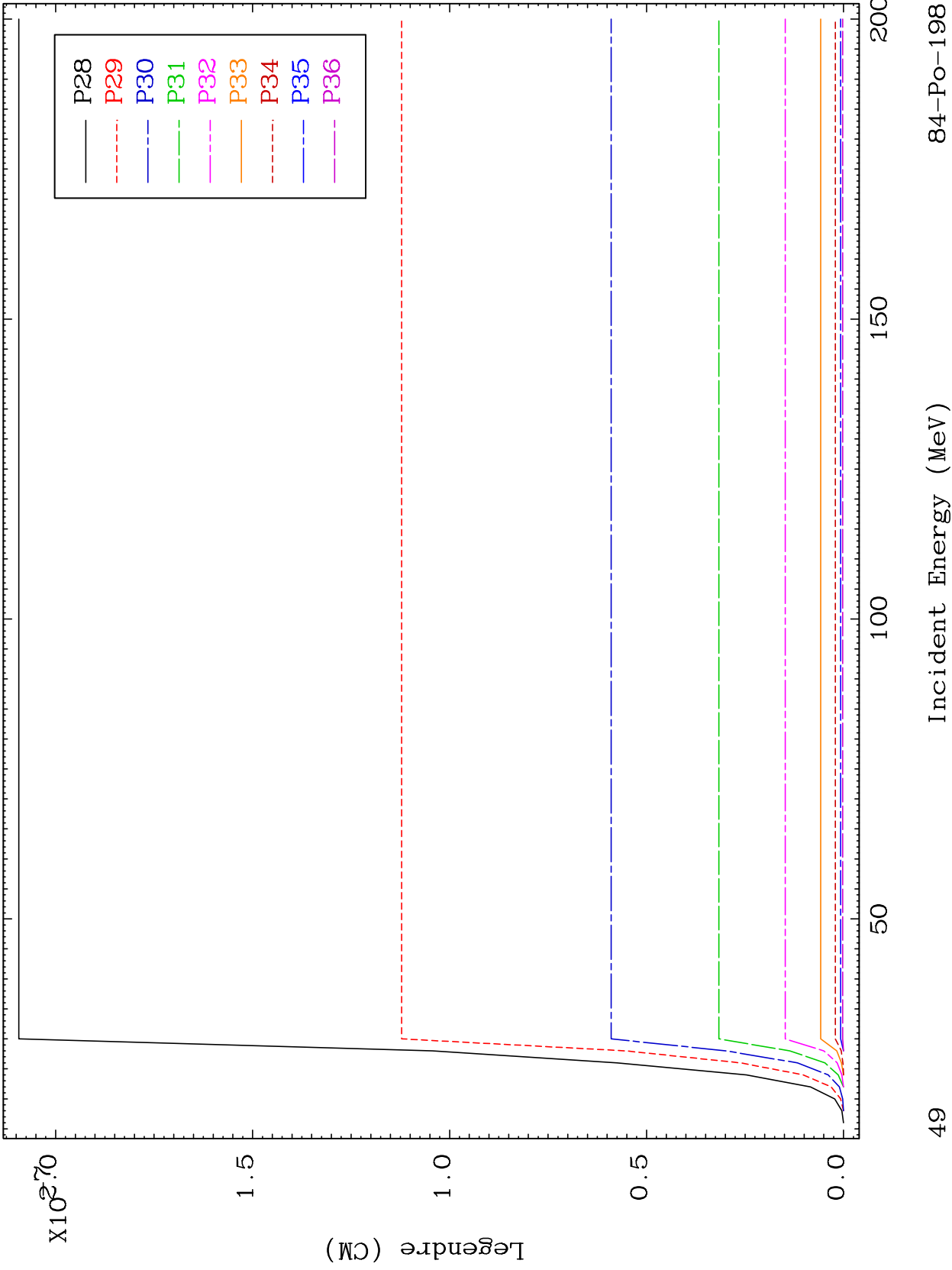
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



49

Incident Energy (MeV)

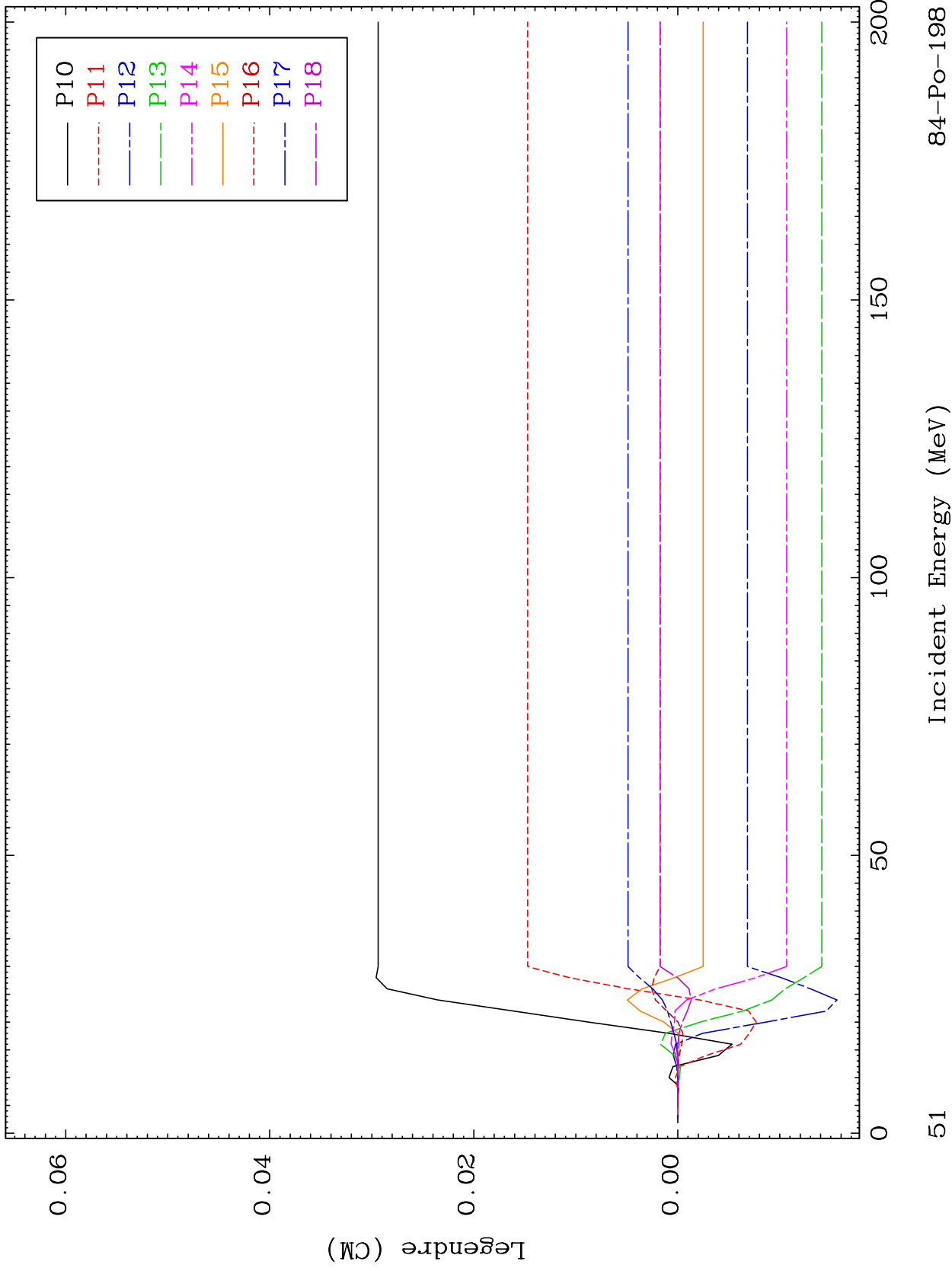
84-Po-198



MAT 8401

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

84-Po-198



51

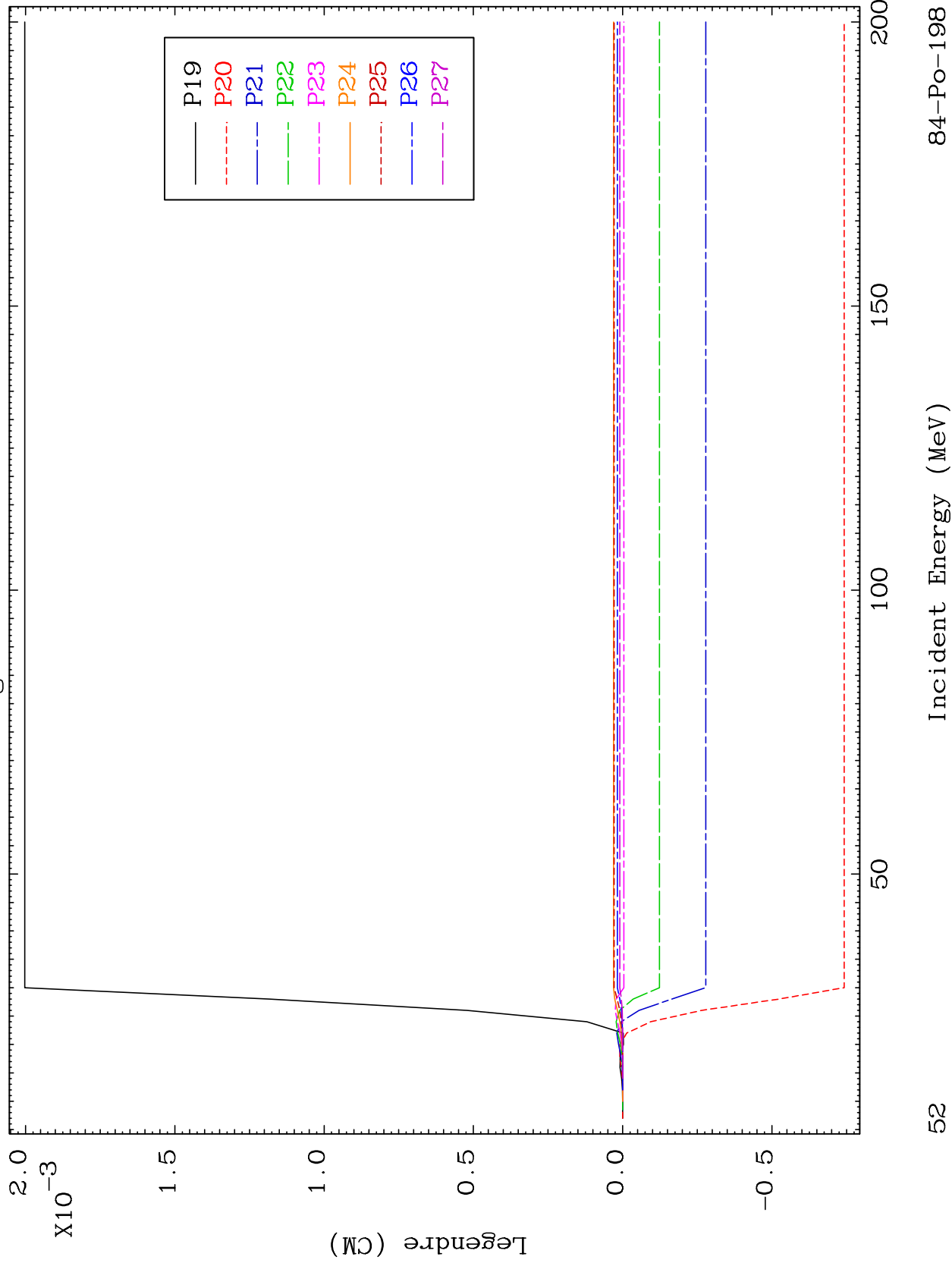
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



52

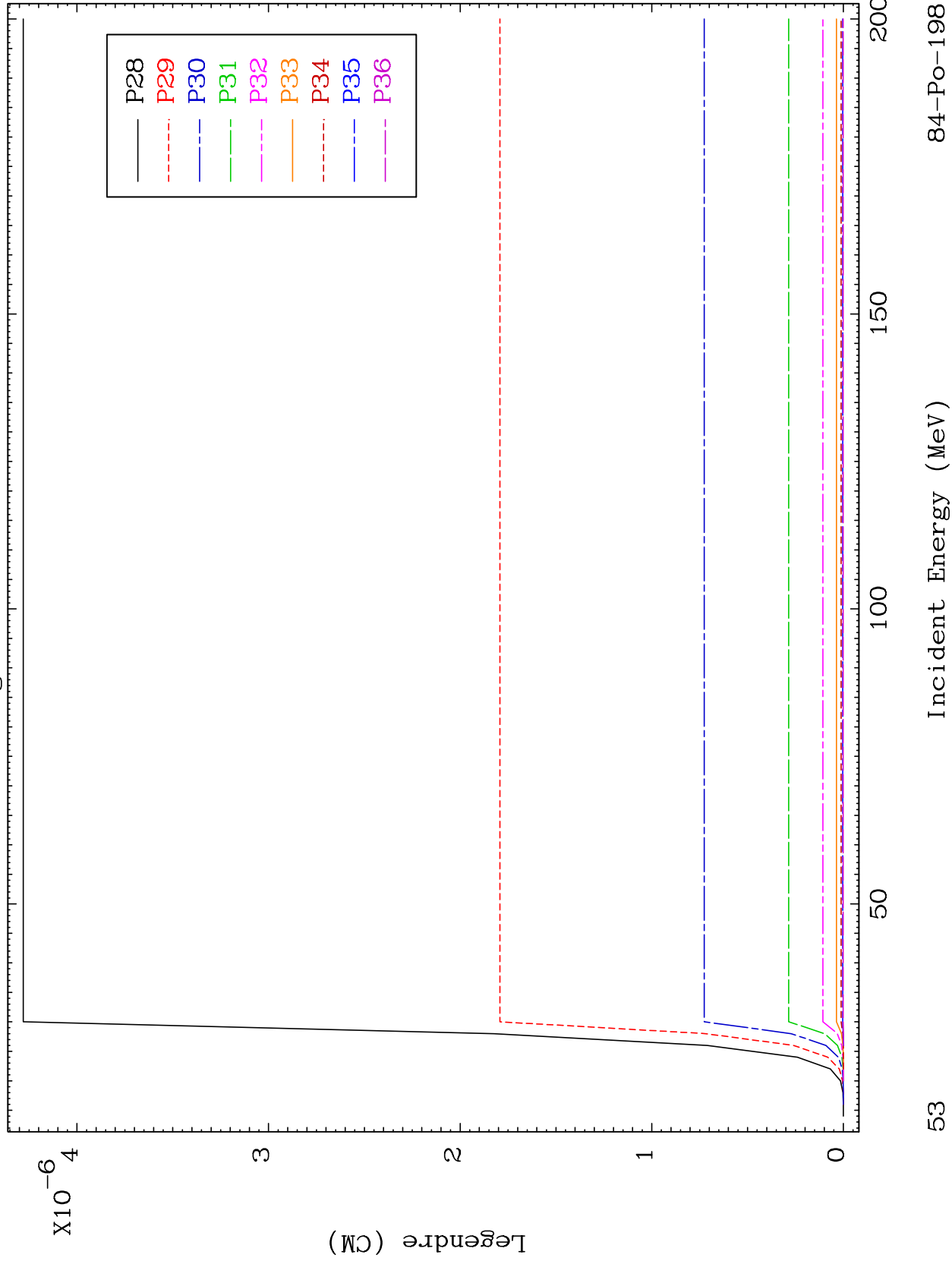
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



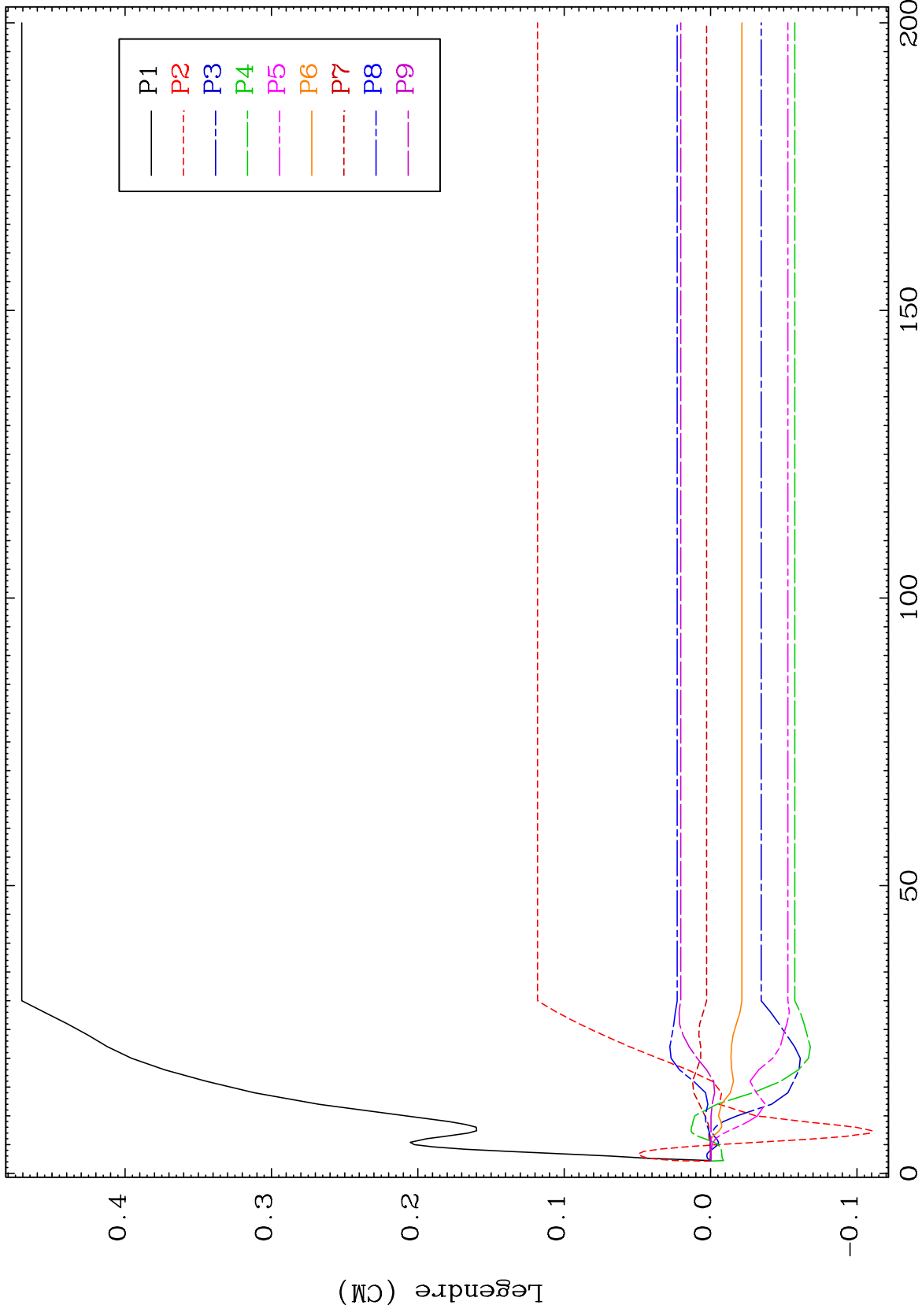
53

84-Po-198

MAT 8401

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

84-Po-198



54

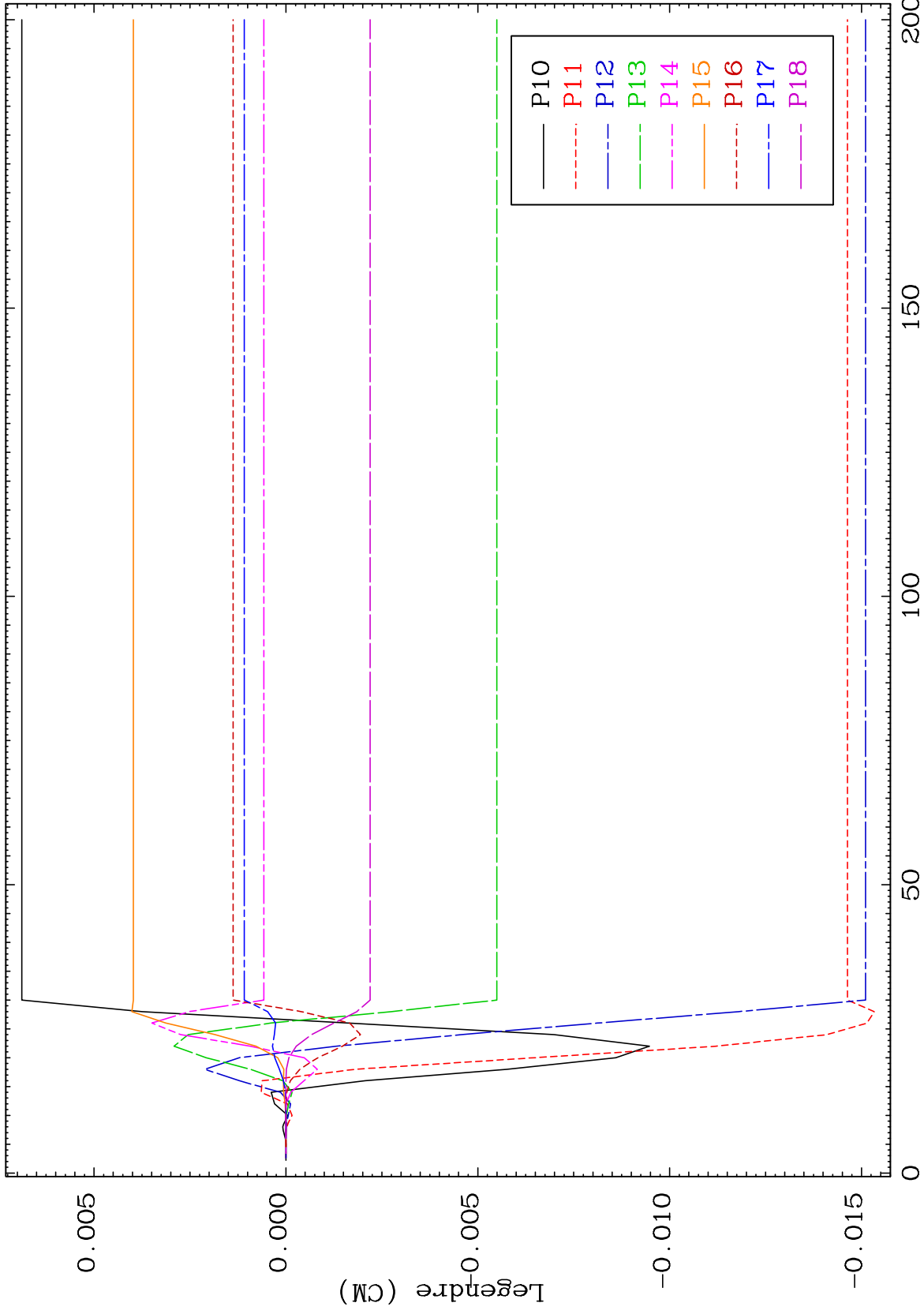
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198

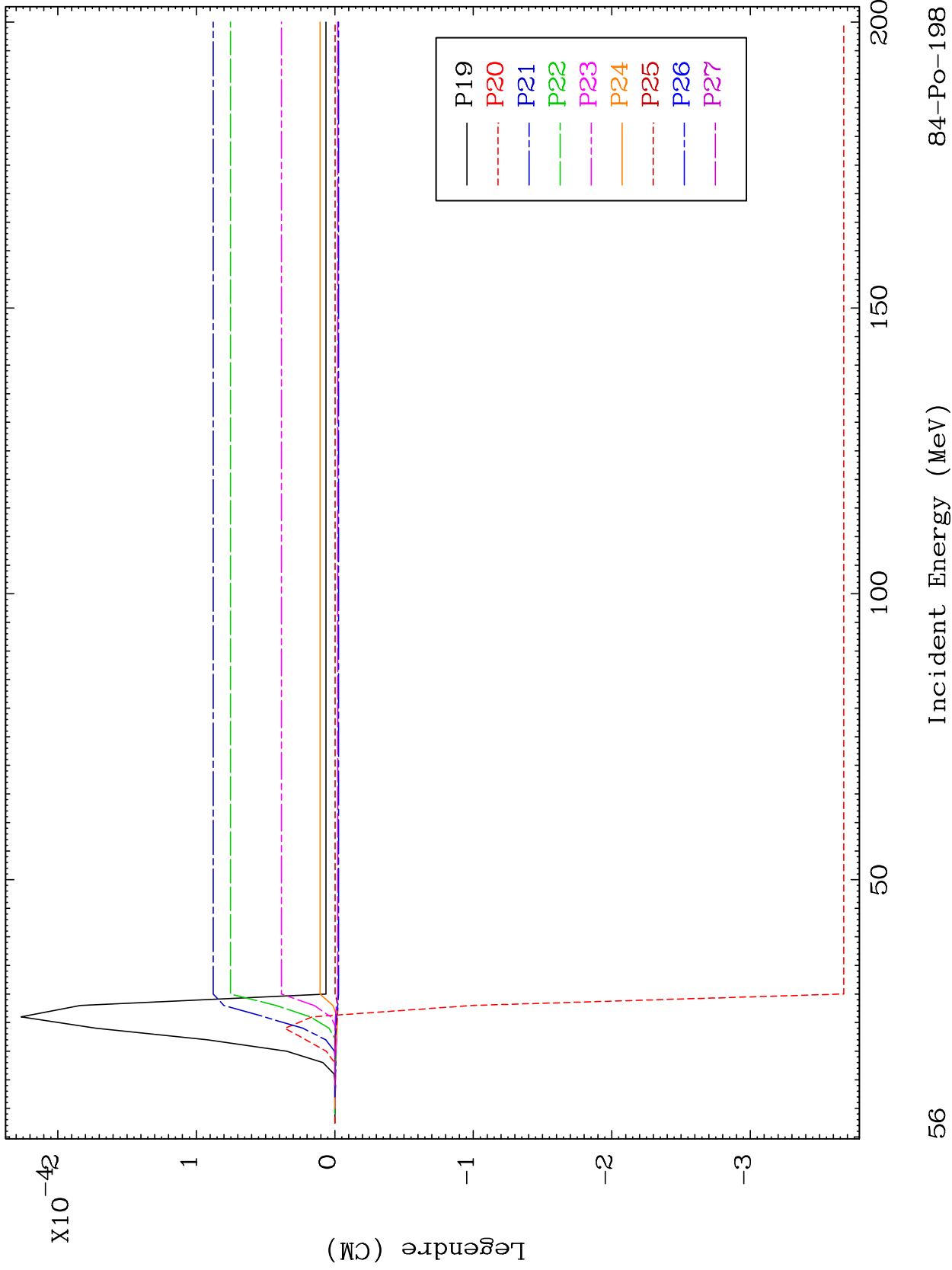


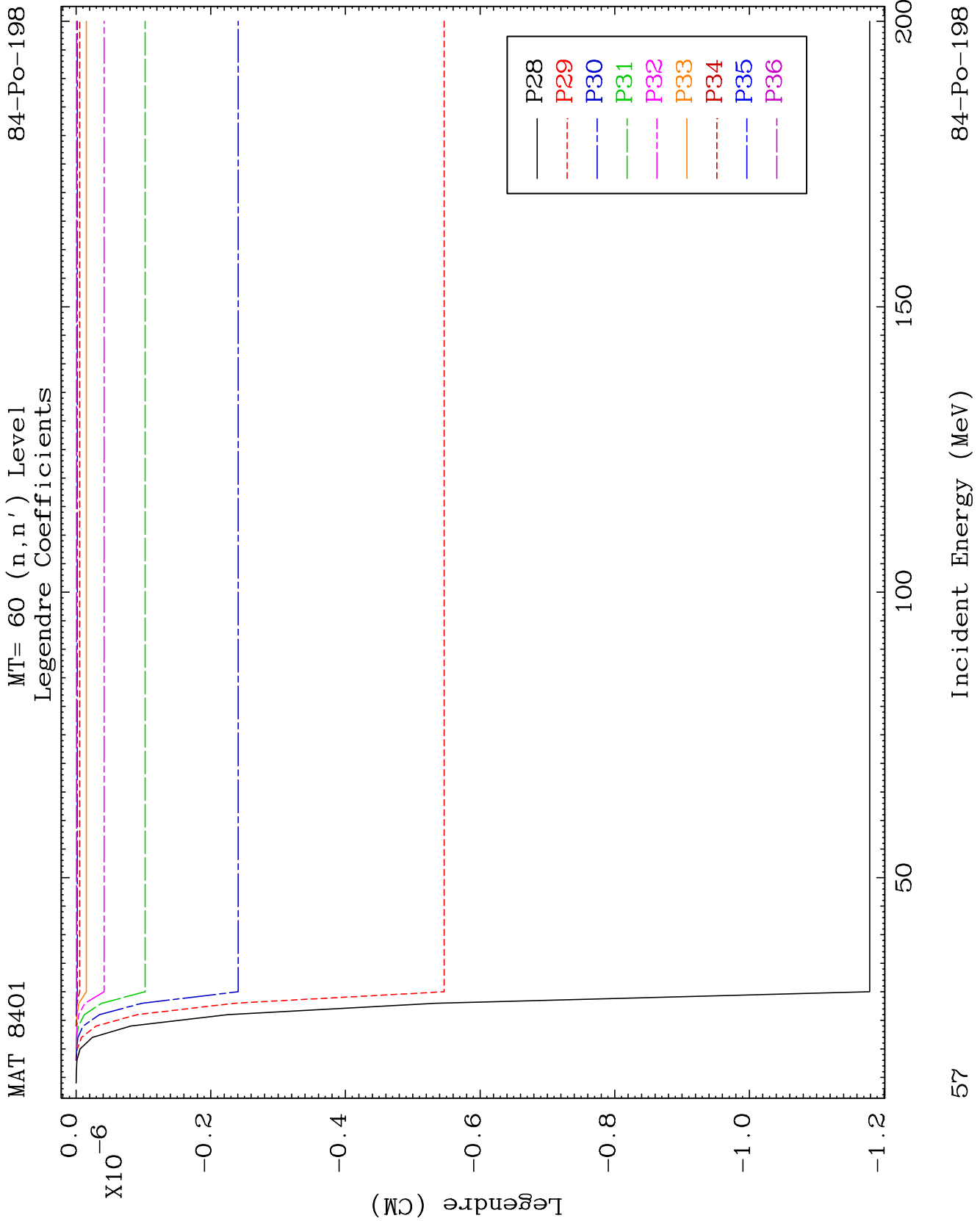
55

Incident Energy (MeV)

84-Po-198



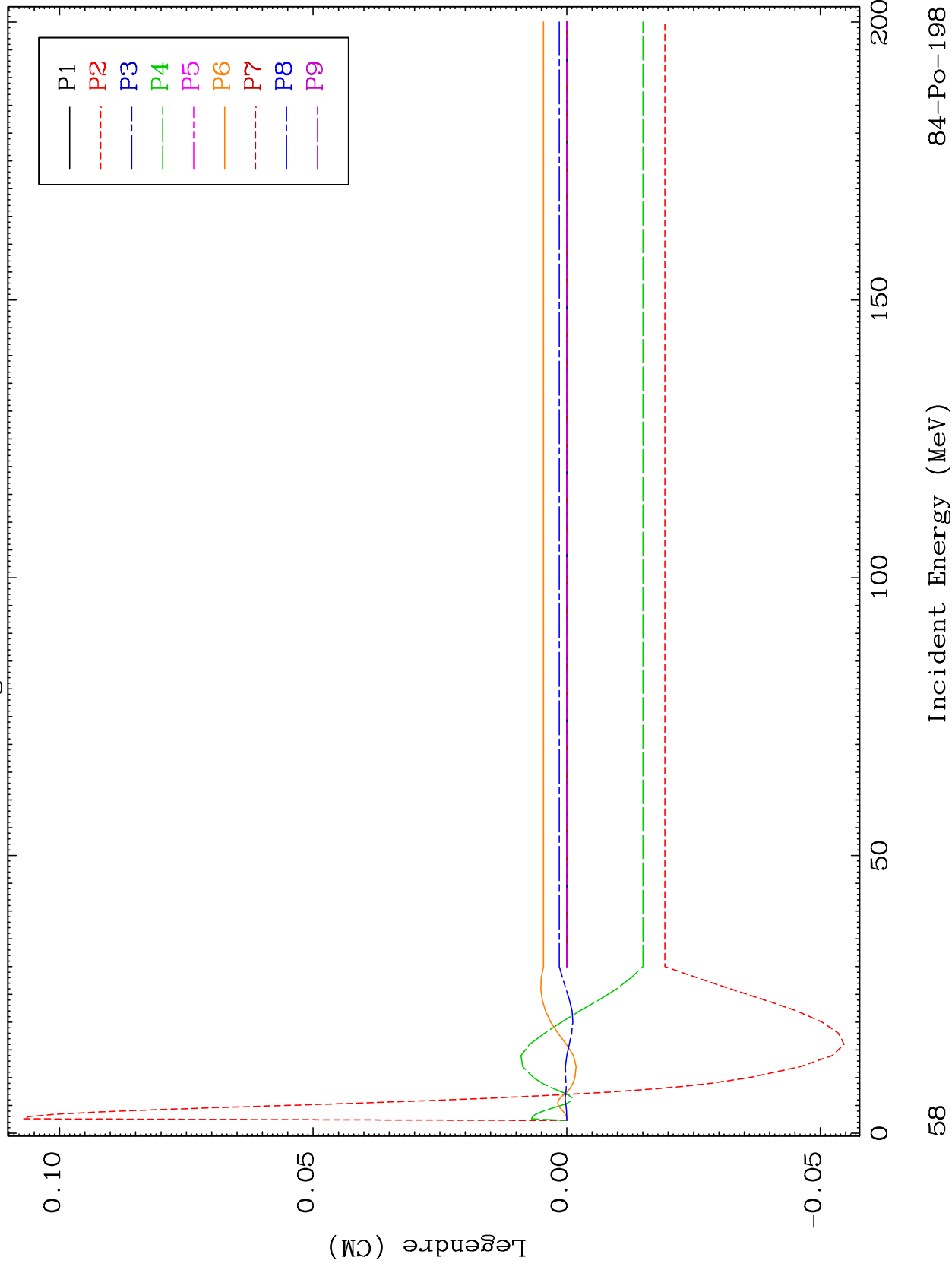




MAT 8401

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

84-Po-198



84-Po-198

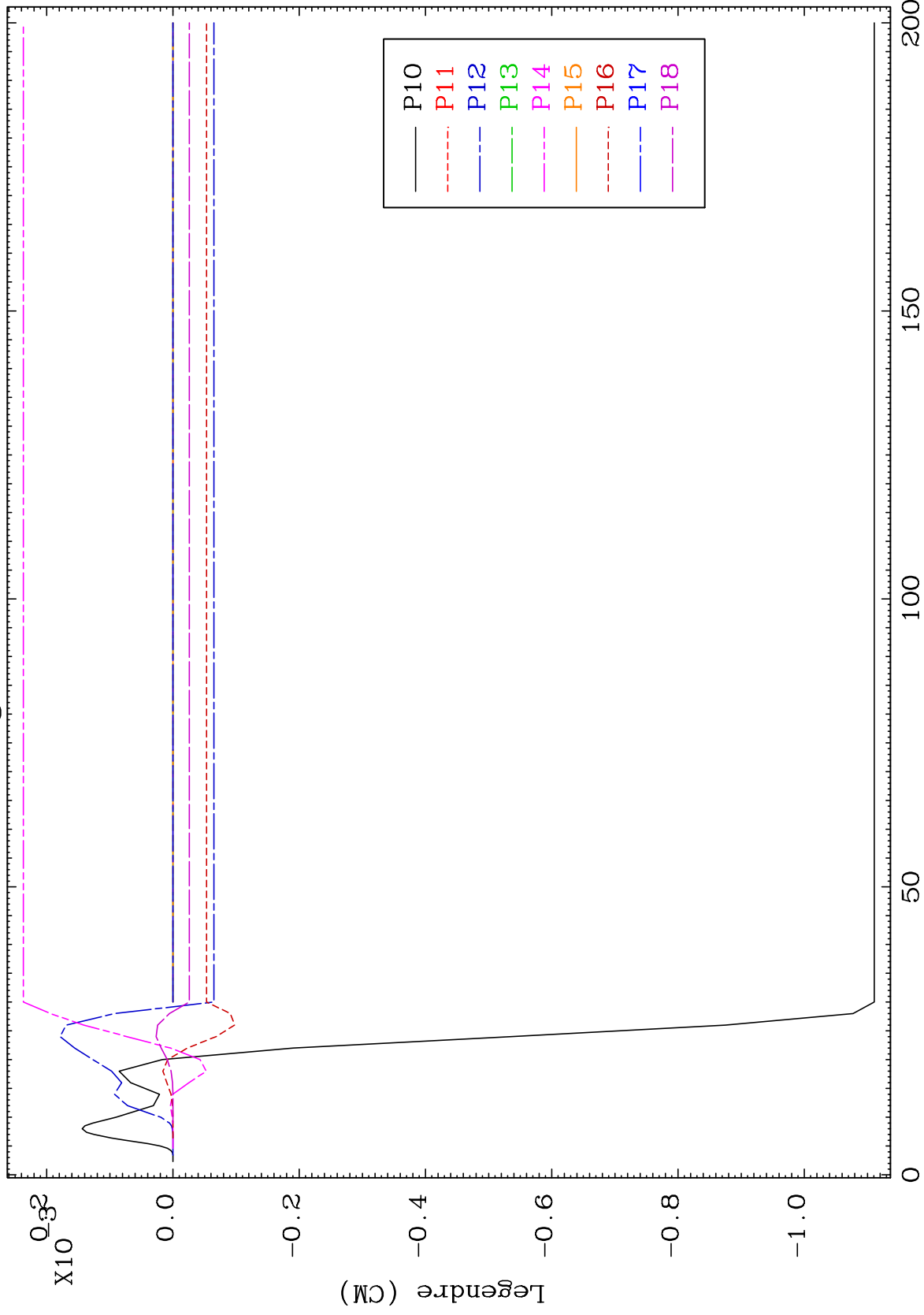
Incident Energy (MeV)

58

MAT 8401

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

84-Po-198



59

Incident Energy (MeV)

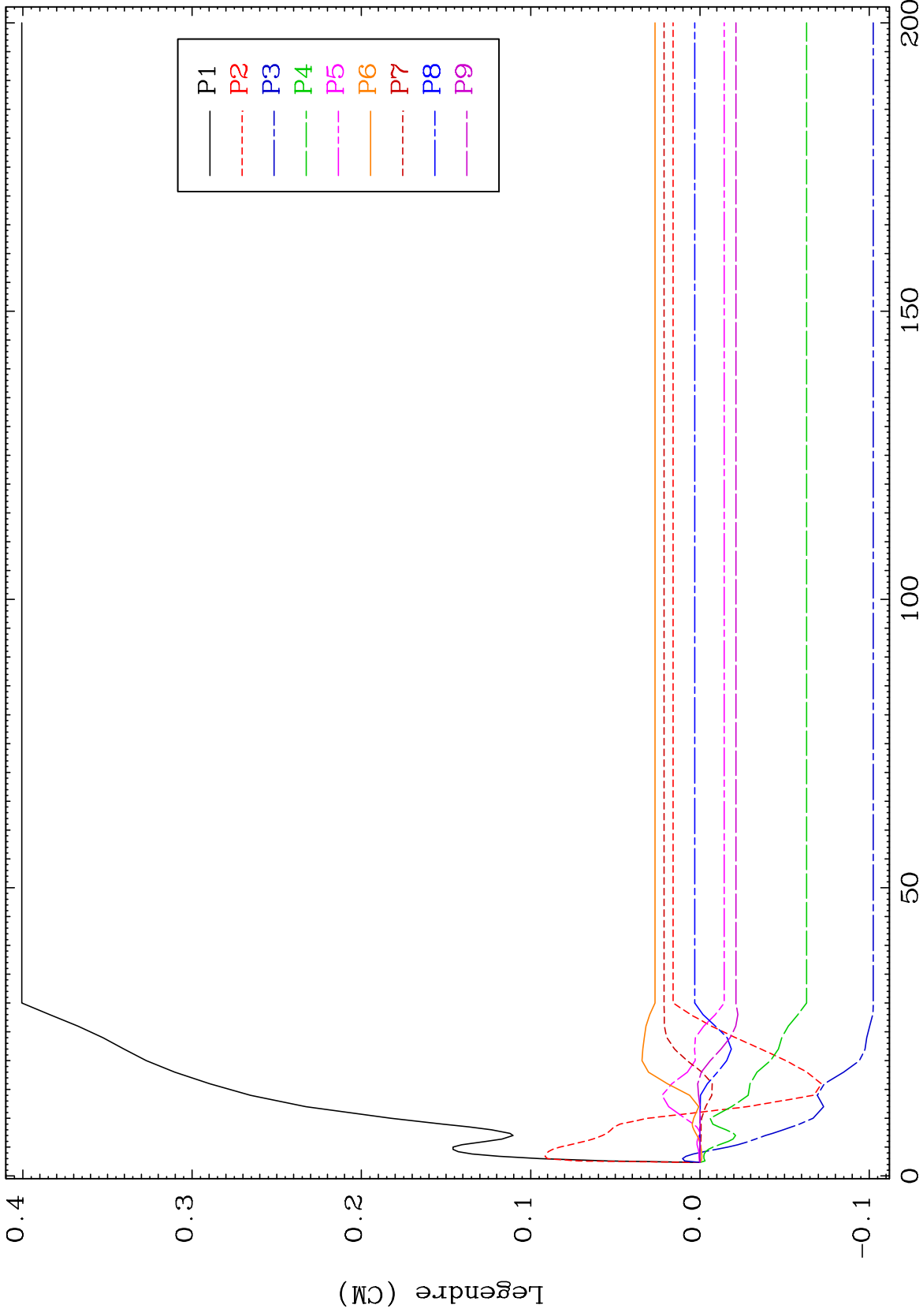
84-Po-198



MAT 8401

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

84-Po-198



61

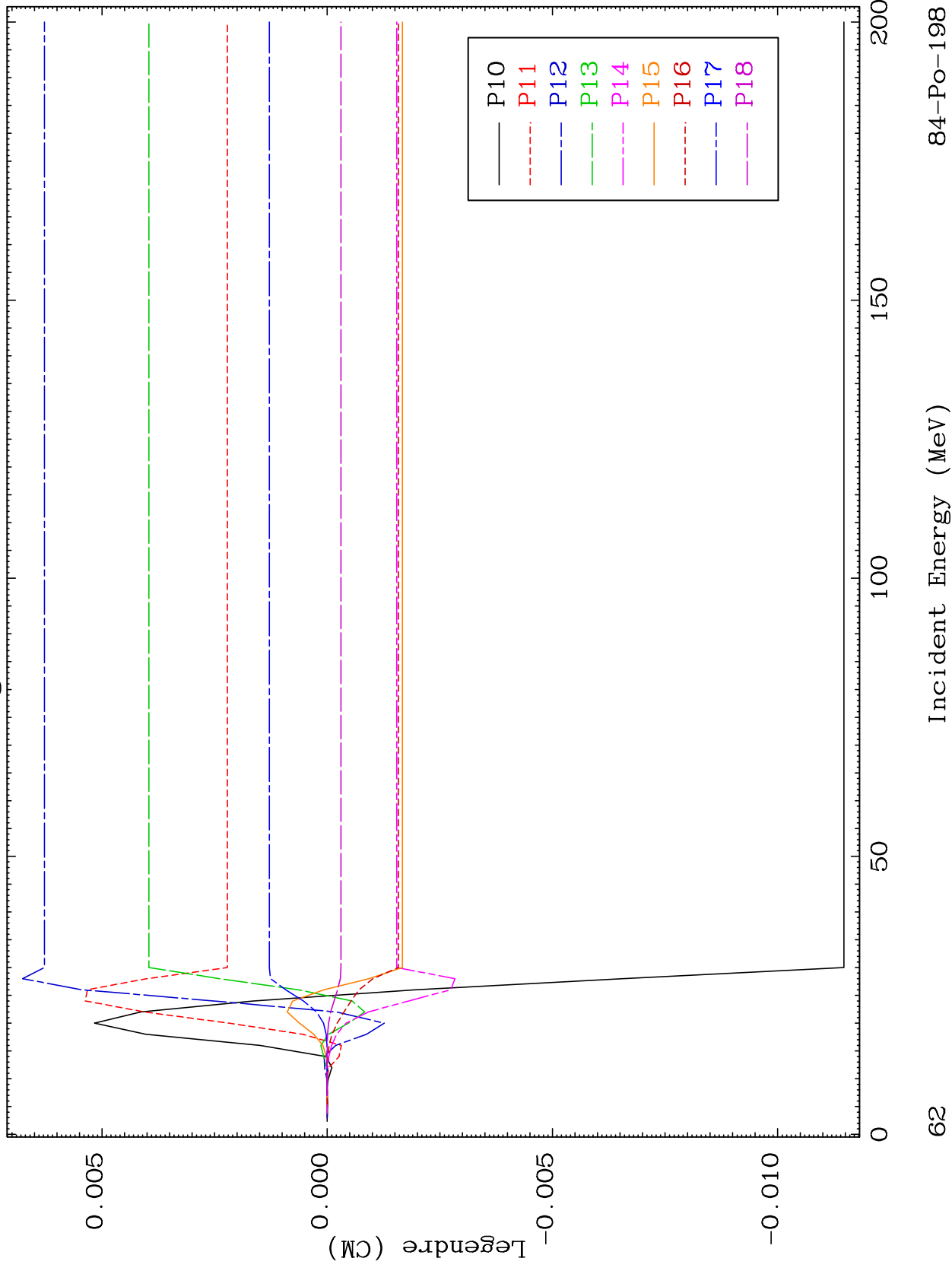
Incident Energy (MeV)

84-Po-198

MAT 8401

84-Po-198

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



84-Po-198

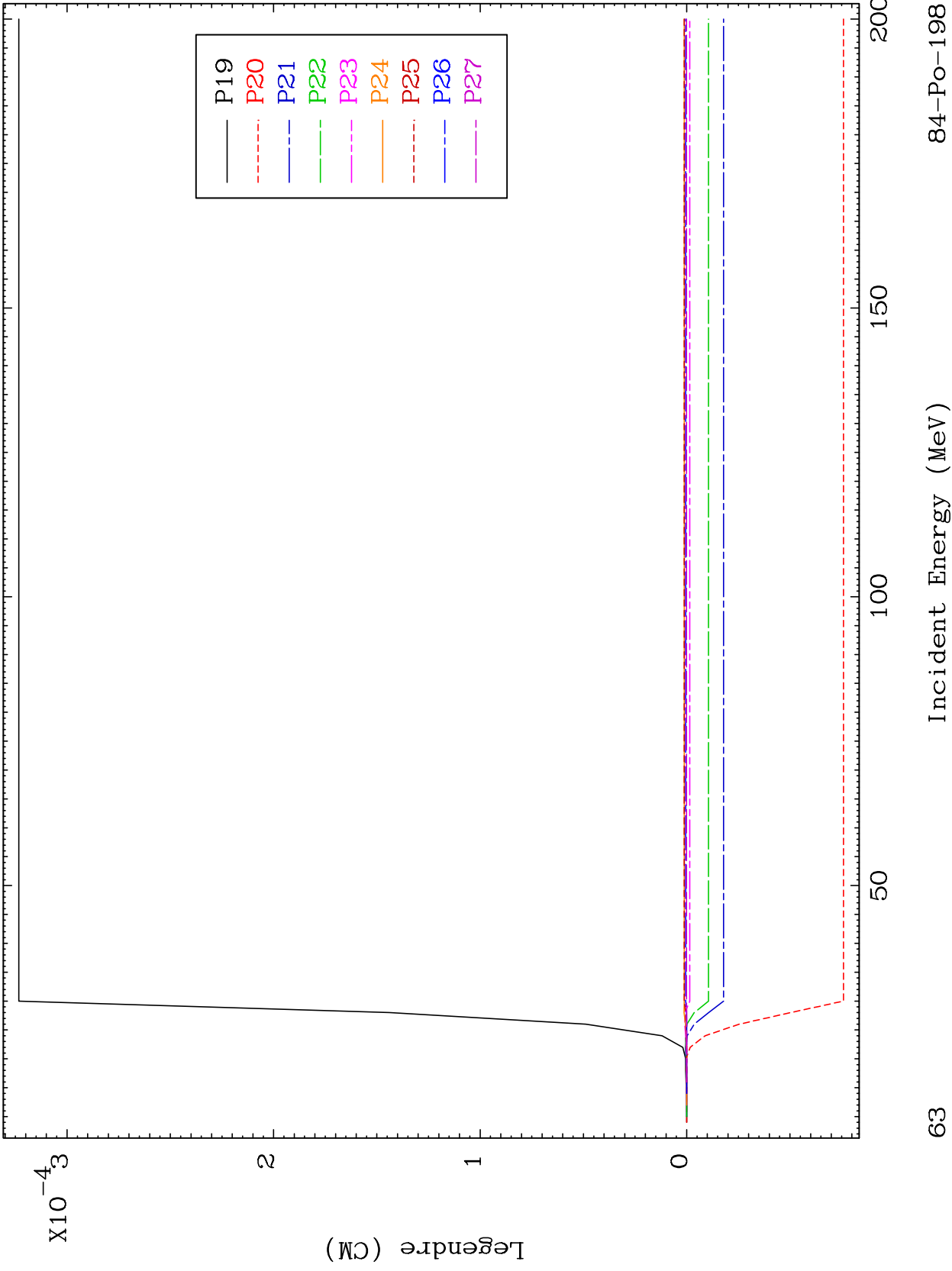
Incident Energy (MeV)

62

MAT 8401

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

84-Po-198

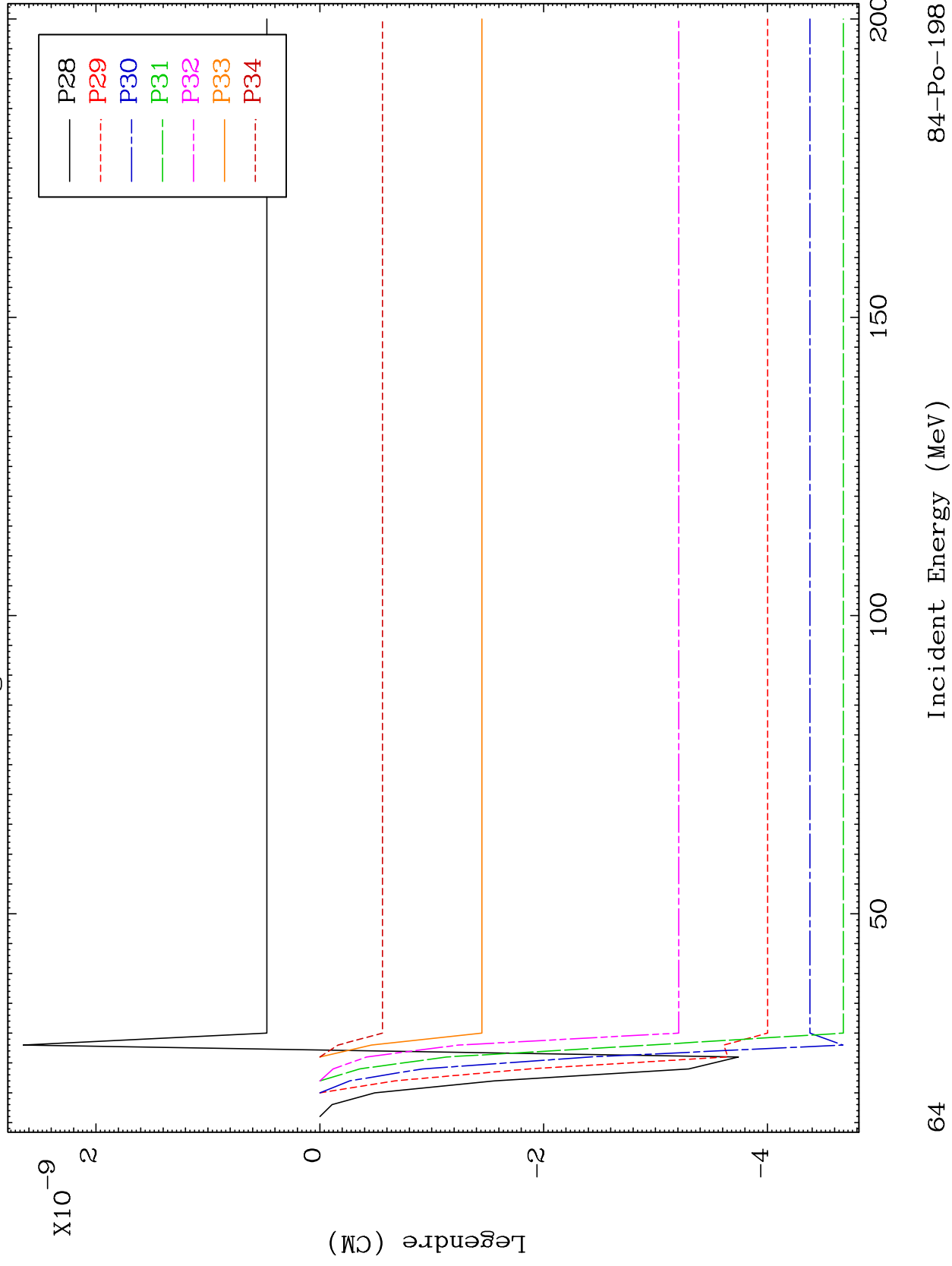




MAT 8401

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

84-Po-198



64

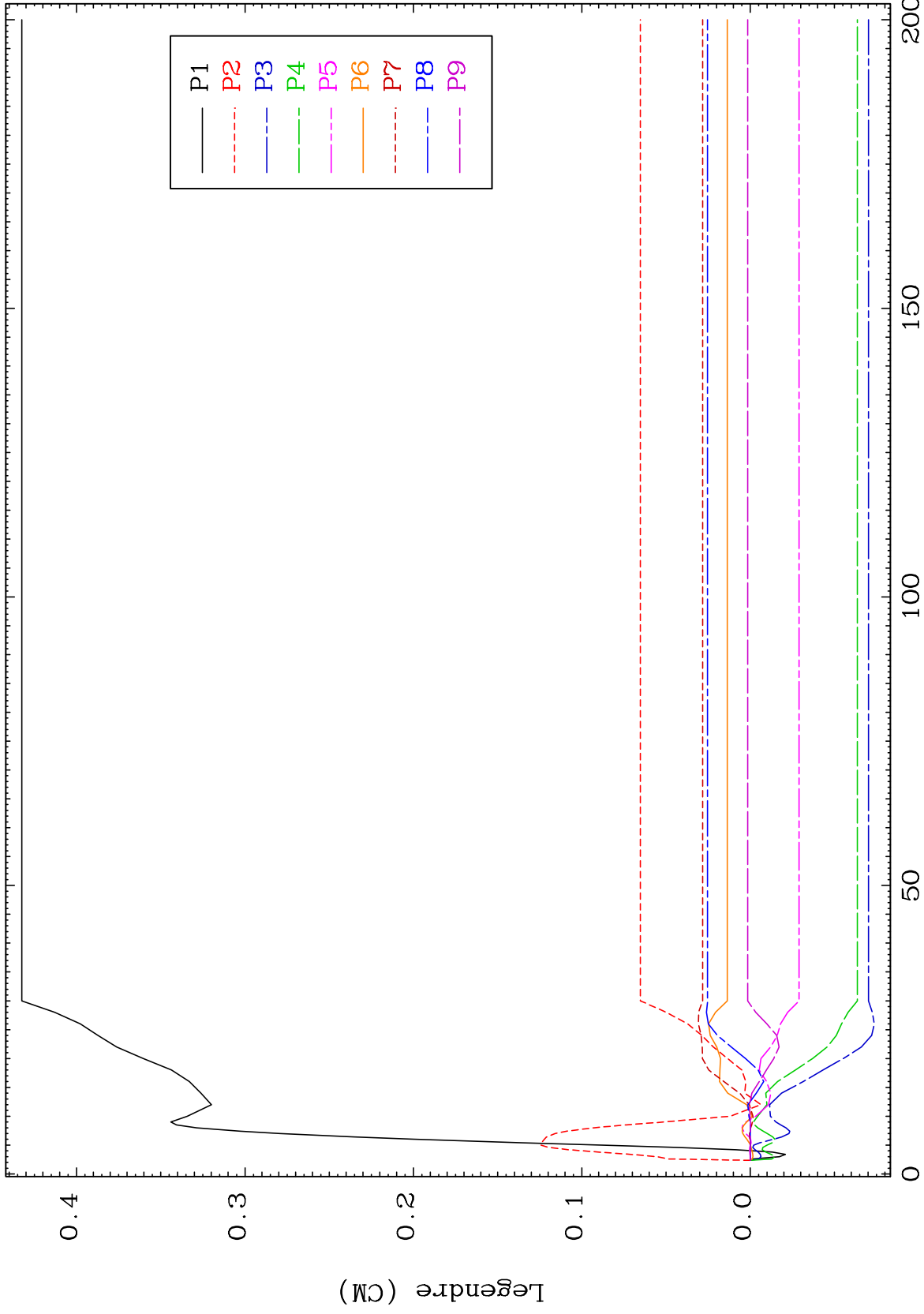
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



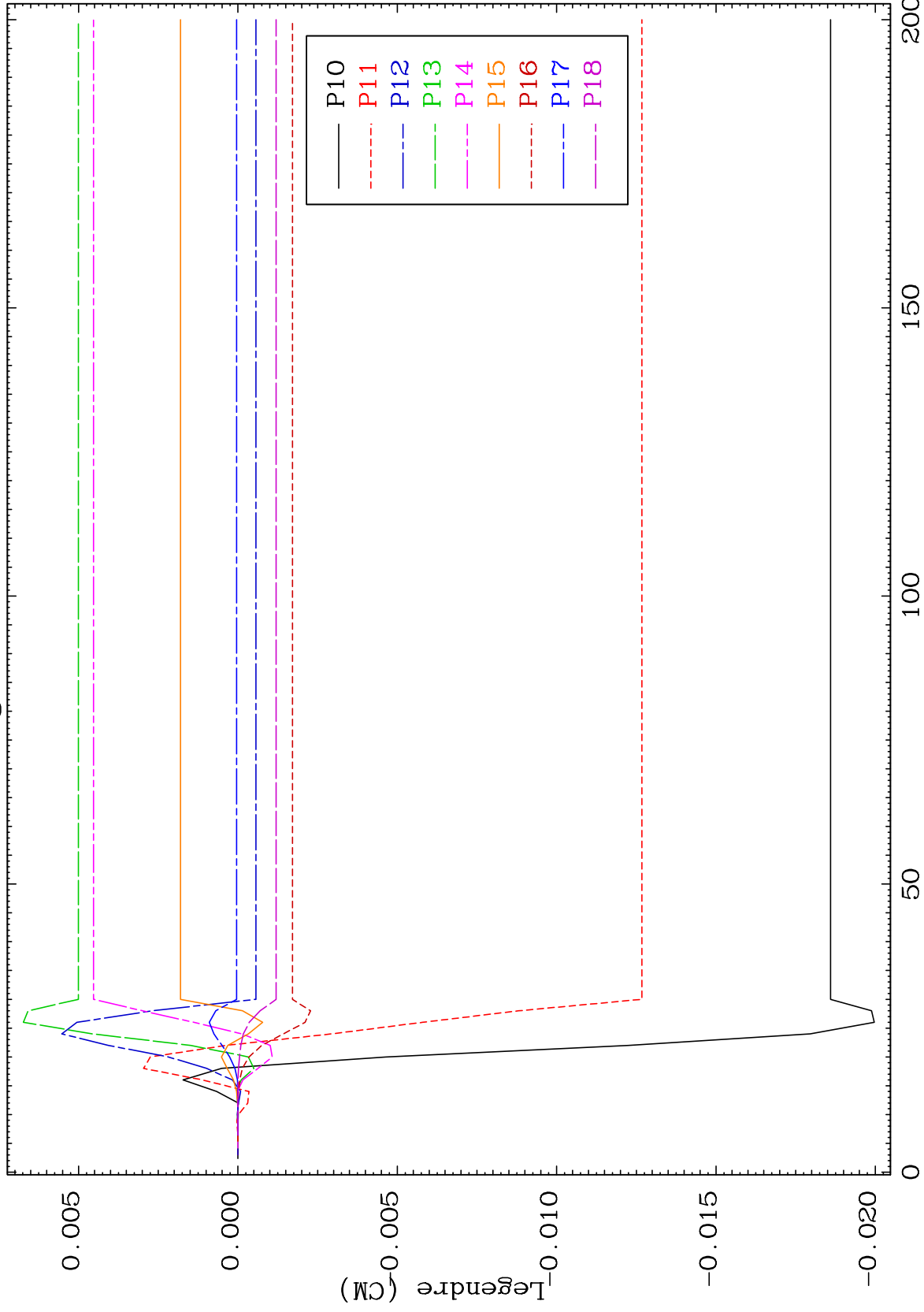
65

84-Po-198

MAT 8401

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

84-Po-198



66

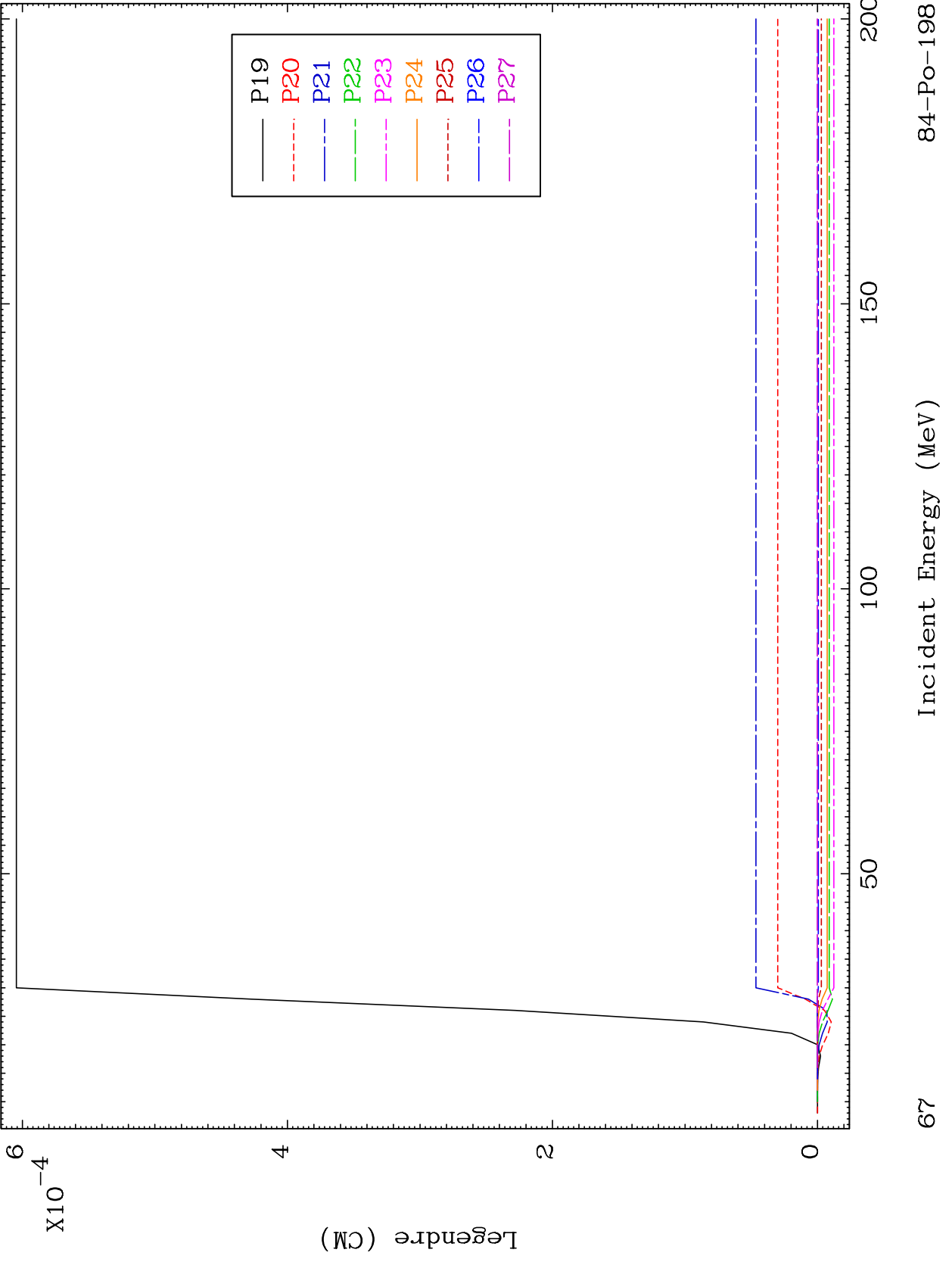
Incident Energy (MeV)

84-Po-198

MAT 8401

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

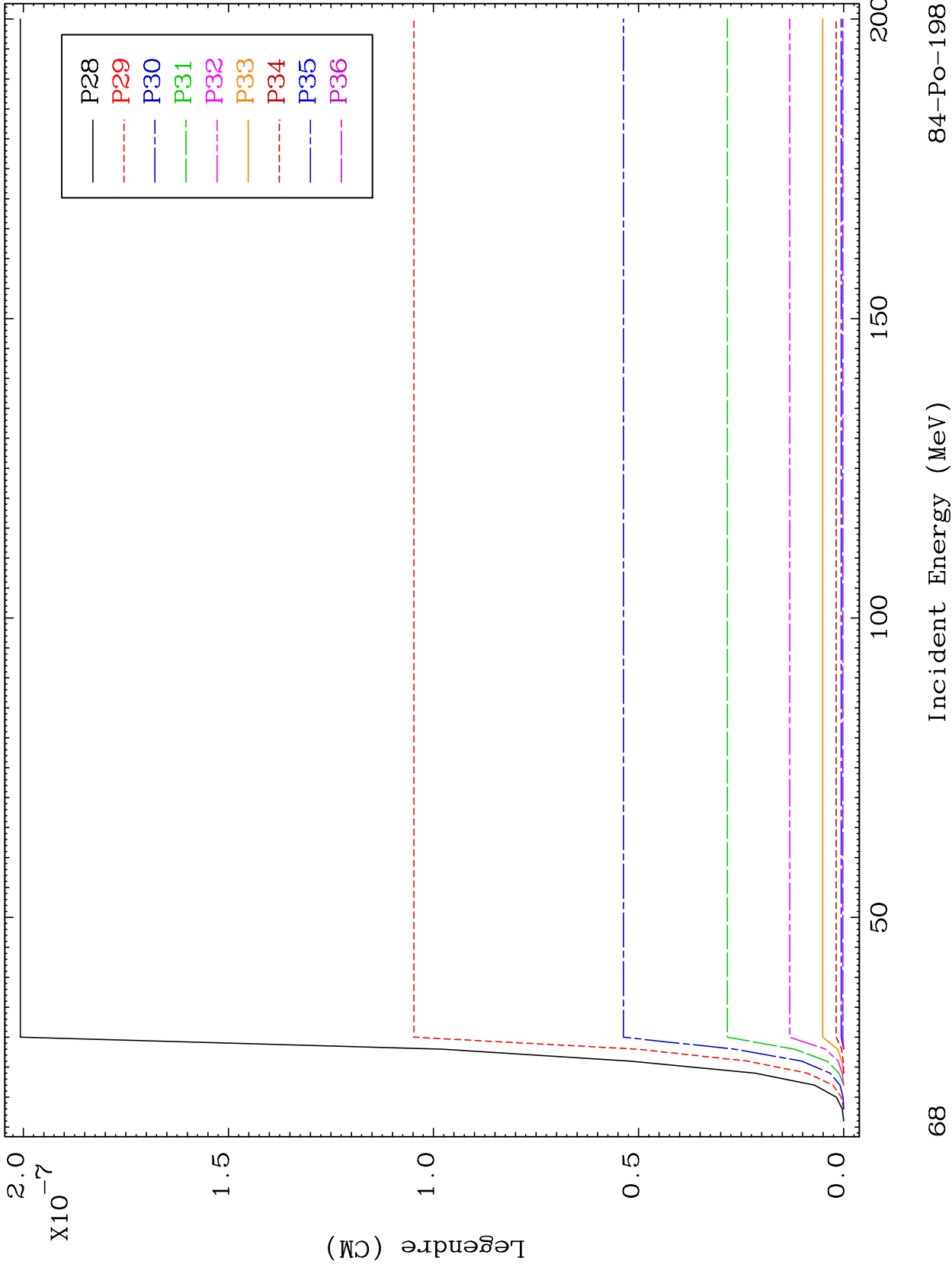
84-Po-198



MAT 8401

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

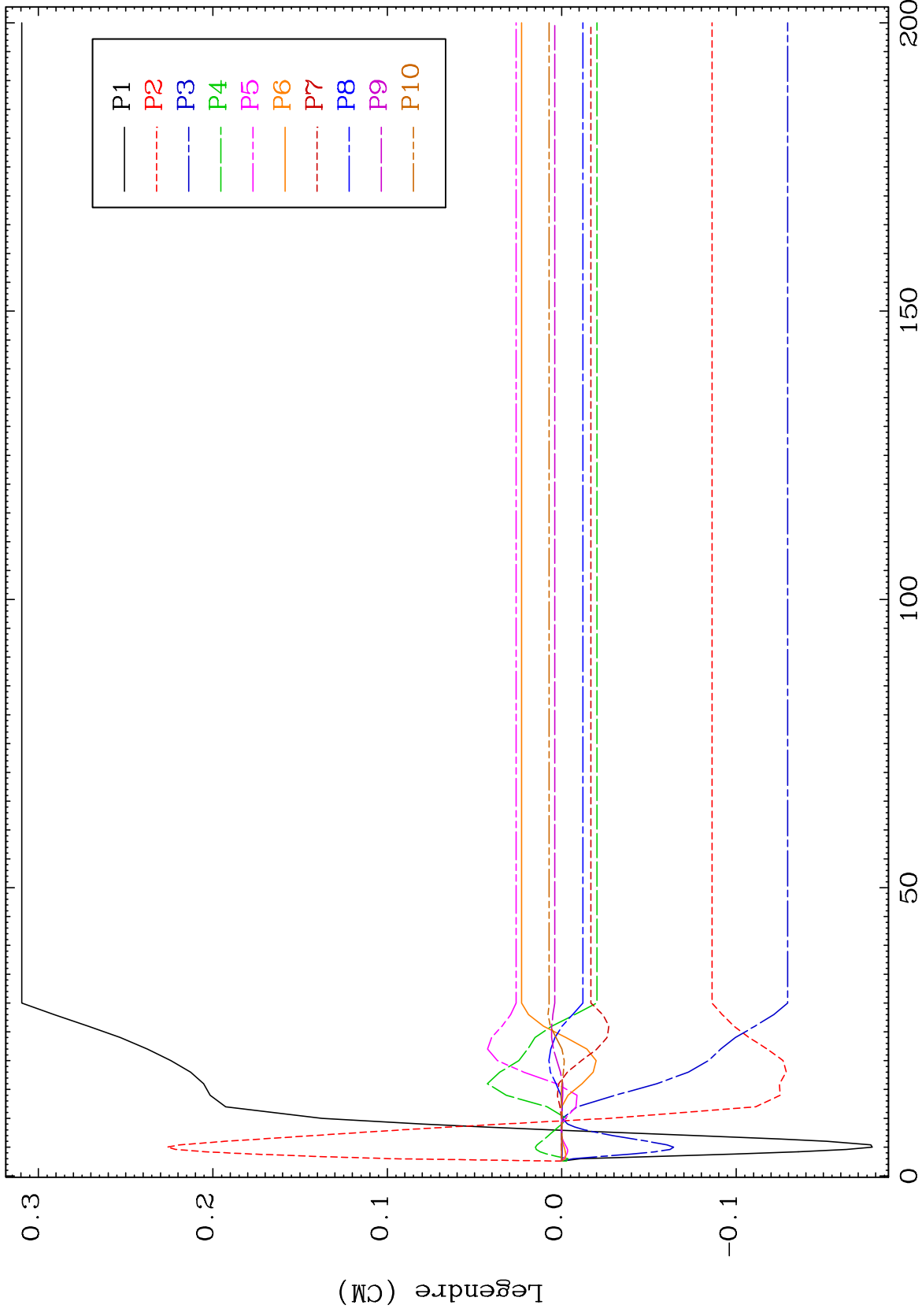
84-Po-198



MAT 8401

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

84-Po-198



69

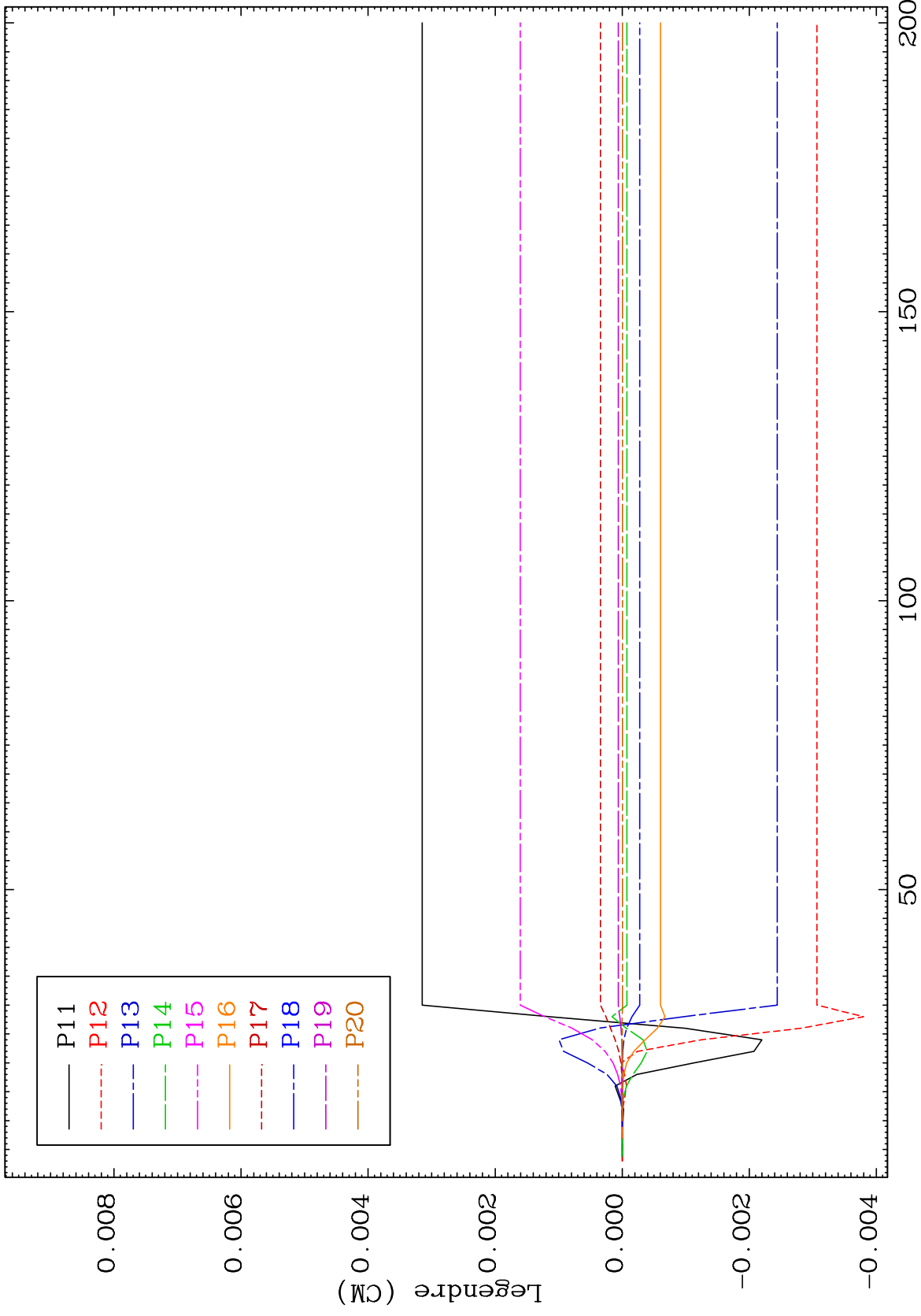
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



70

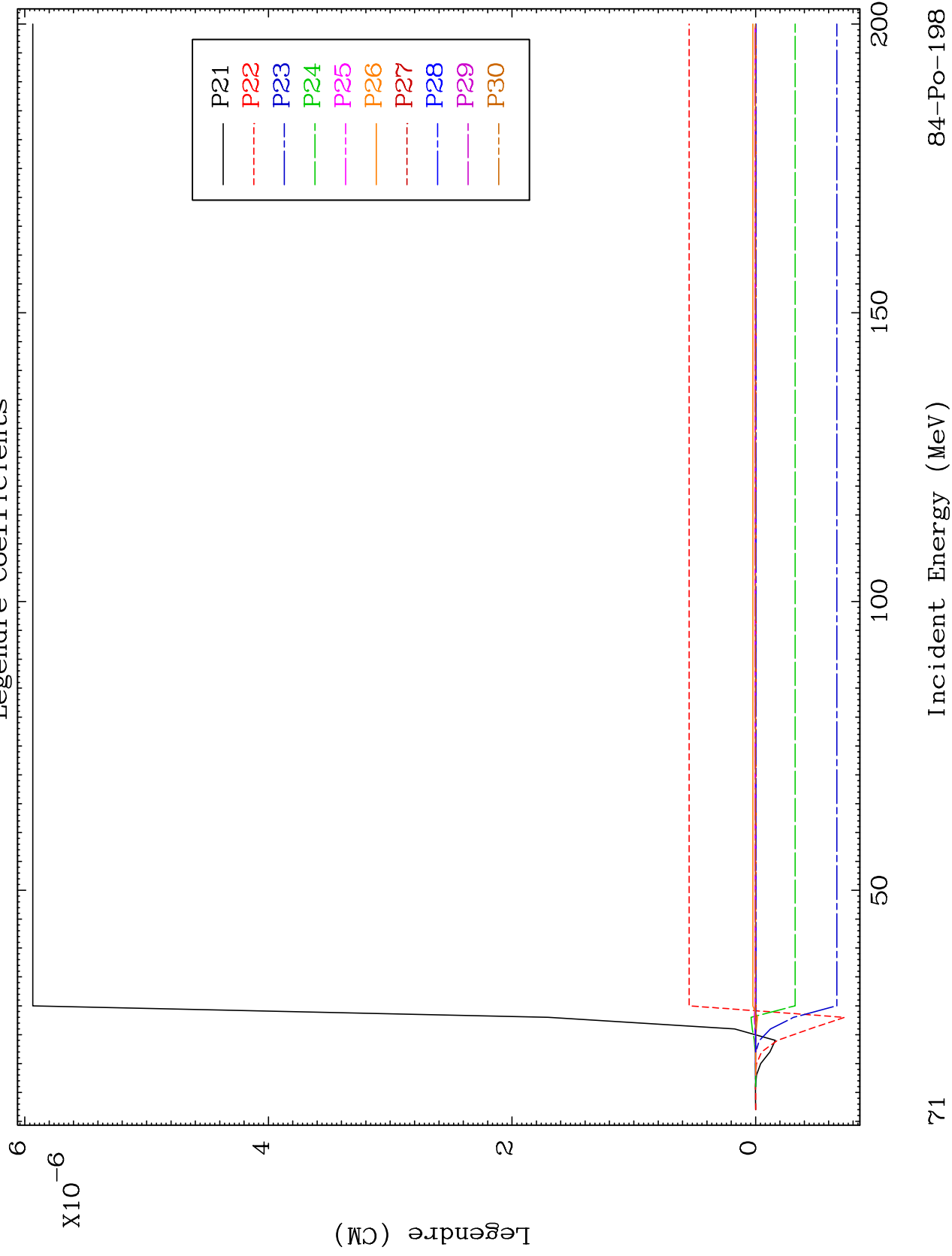
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198

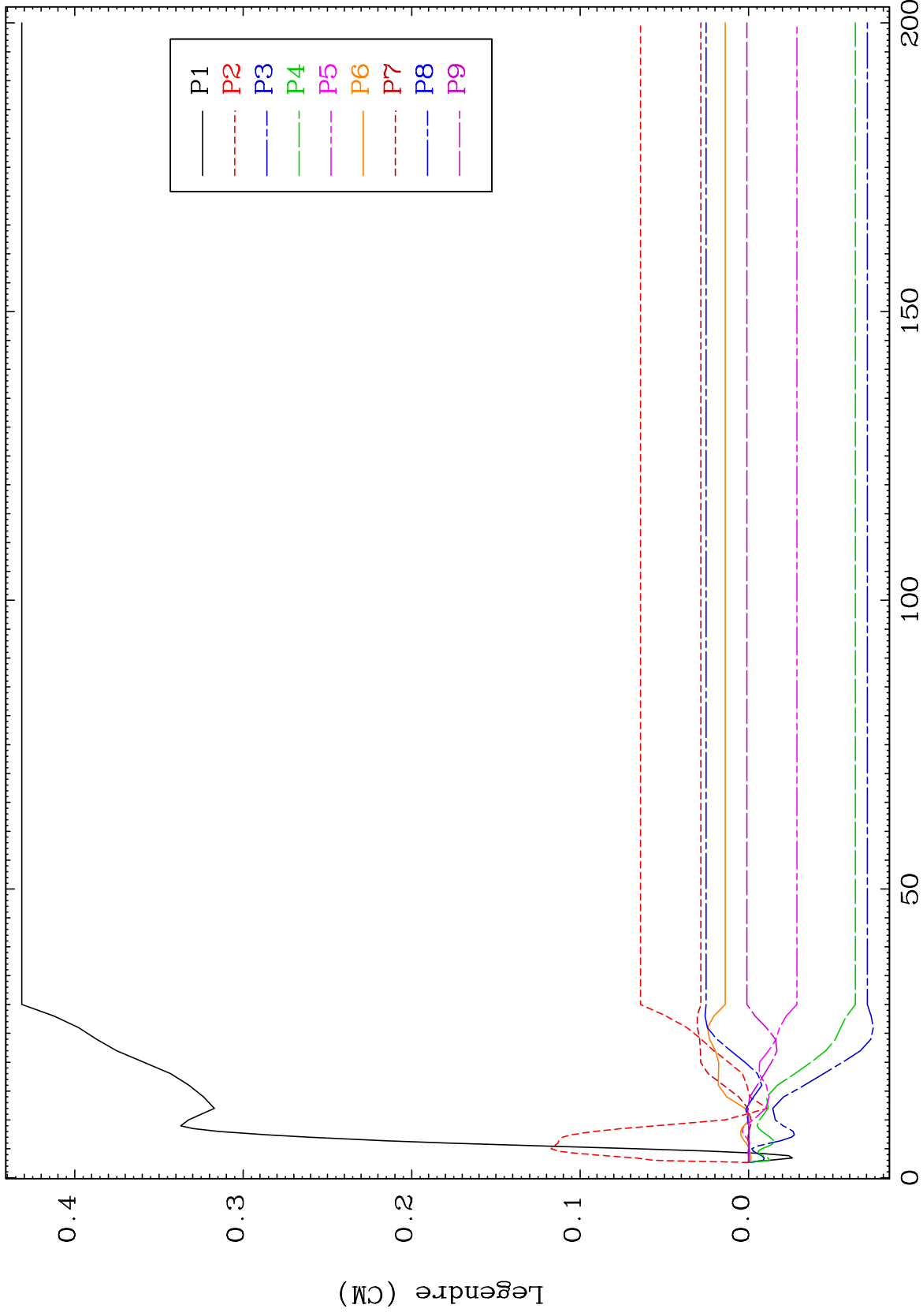




MAT 8401

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

84-Po-198



72

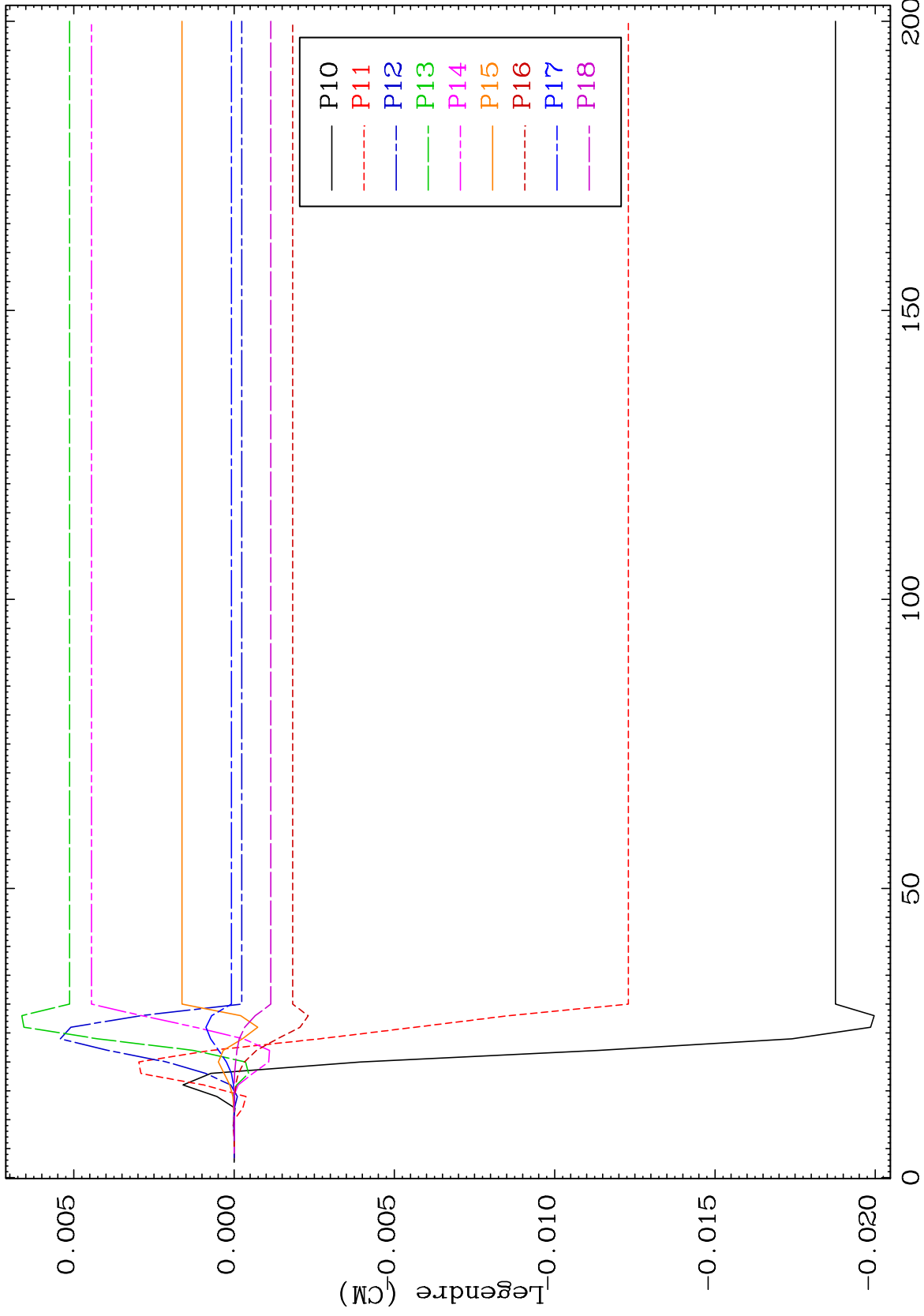
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



73

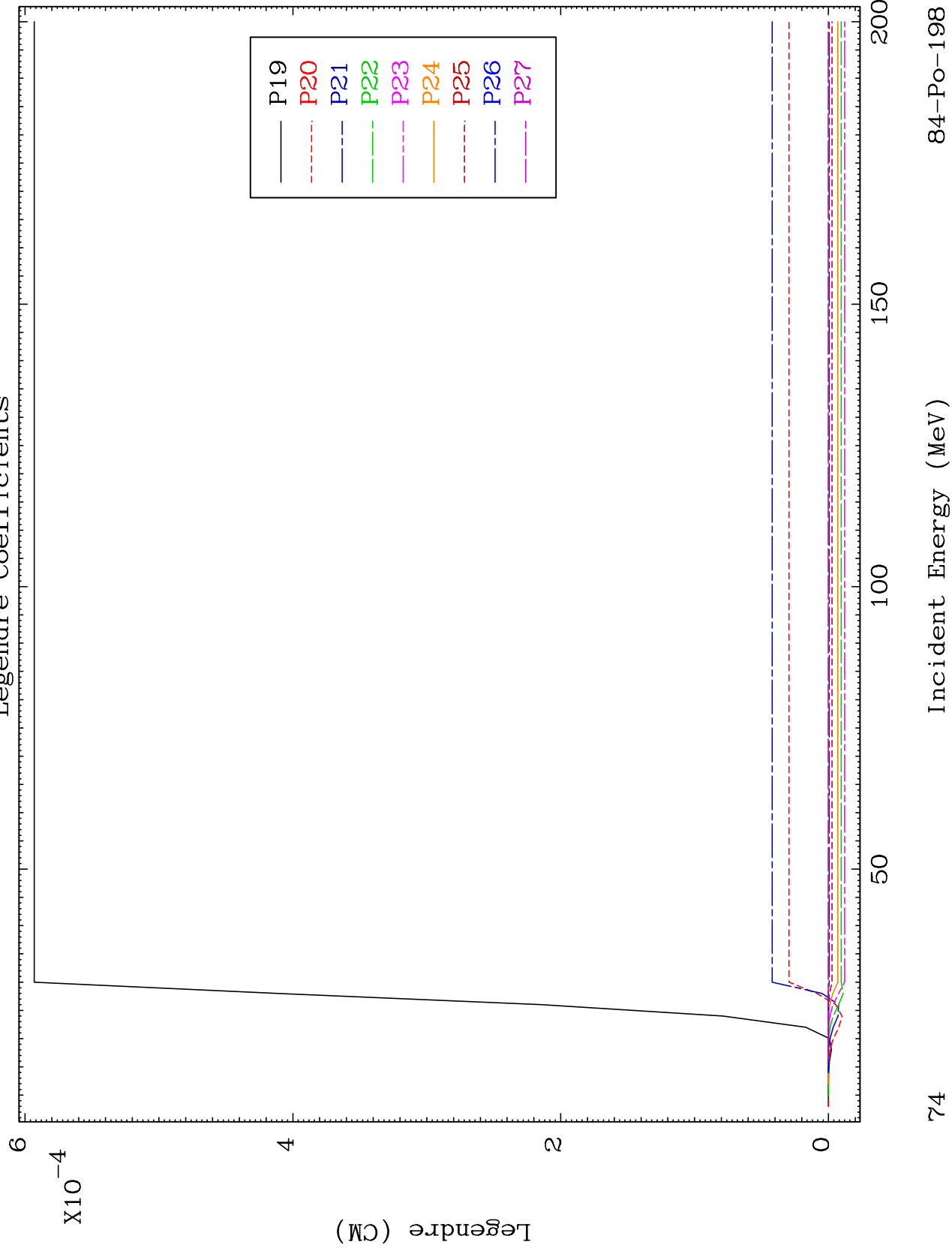
Incident Energy (MeV)

84-Po-198

MAT 8401

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

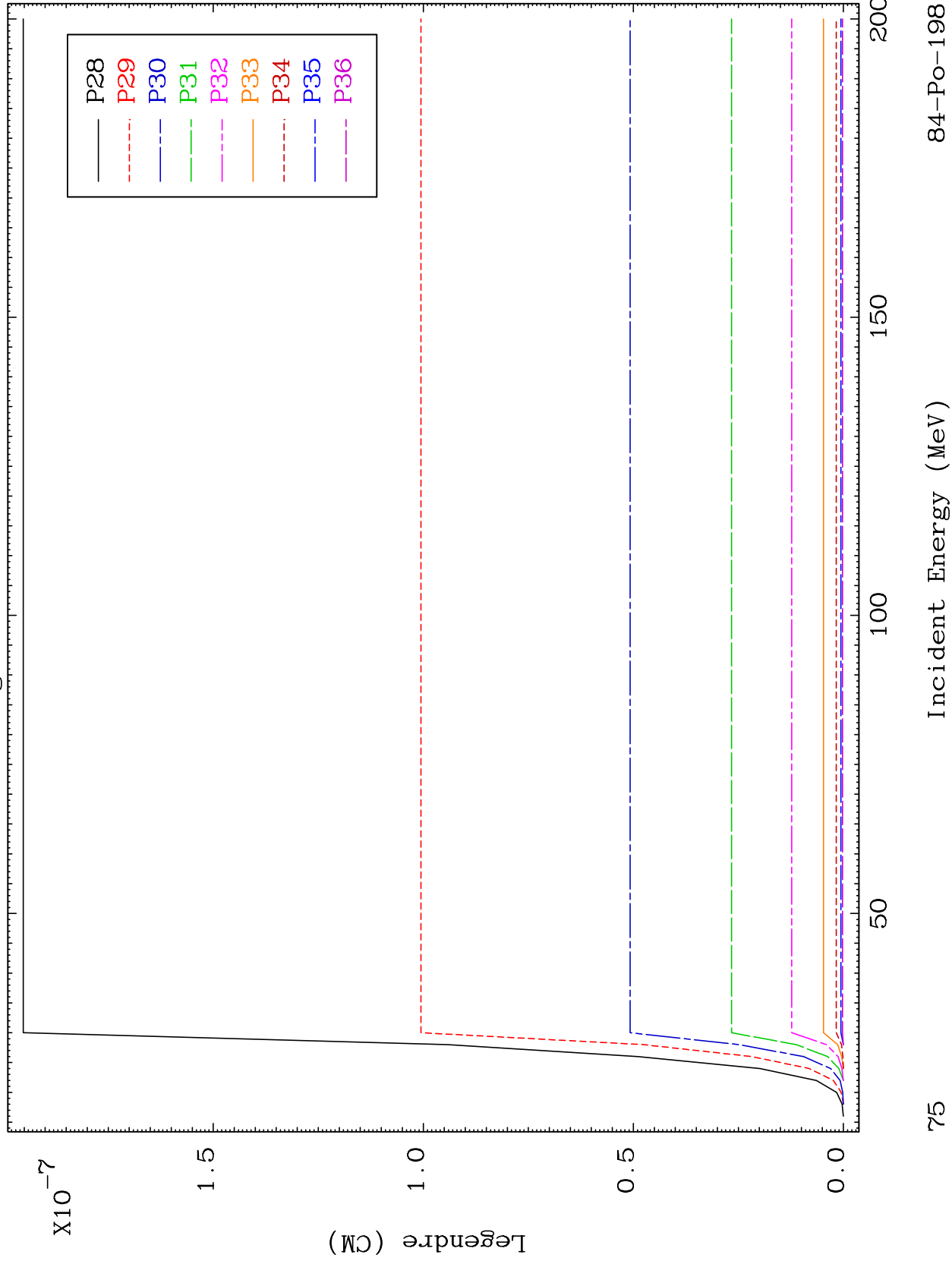
84-Po-198



MAT 8401

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

84-Po-198



75

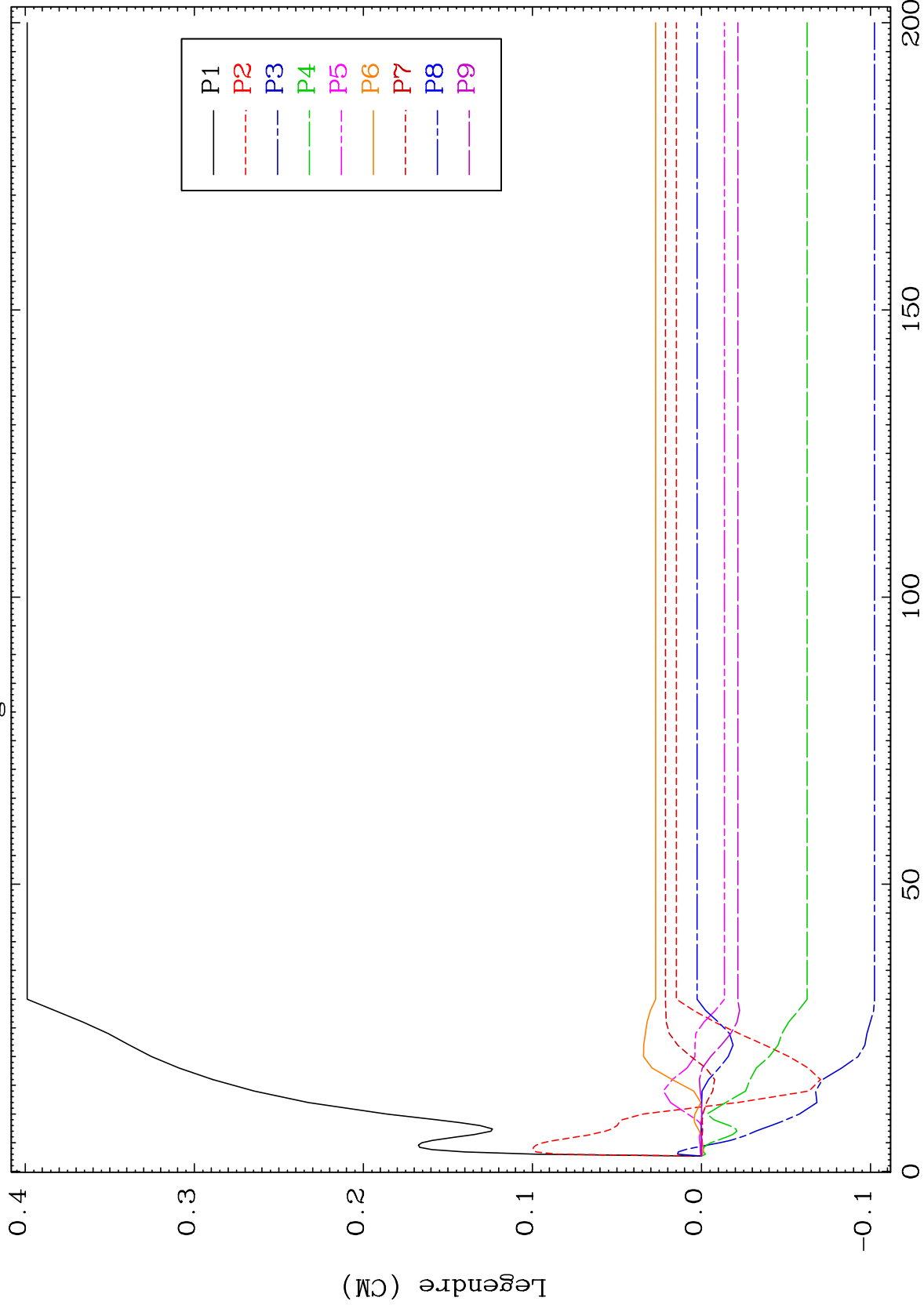
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



76

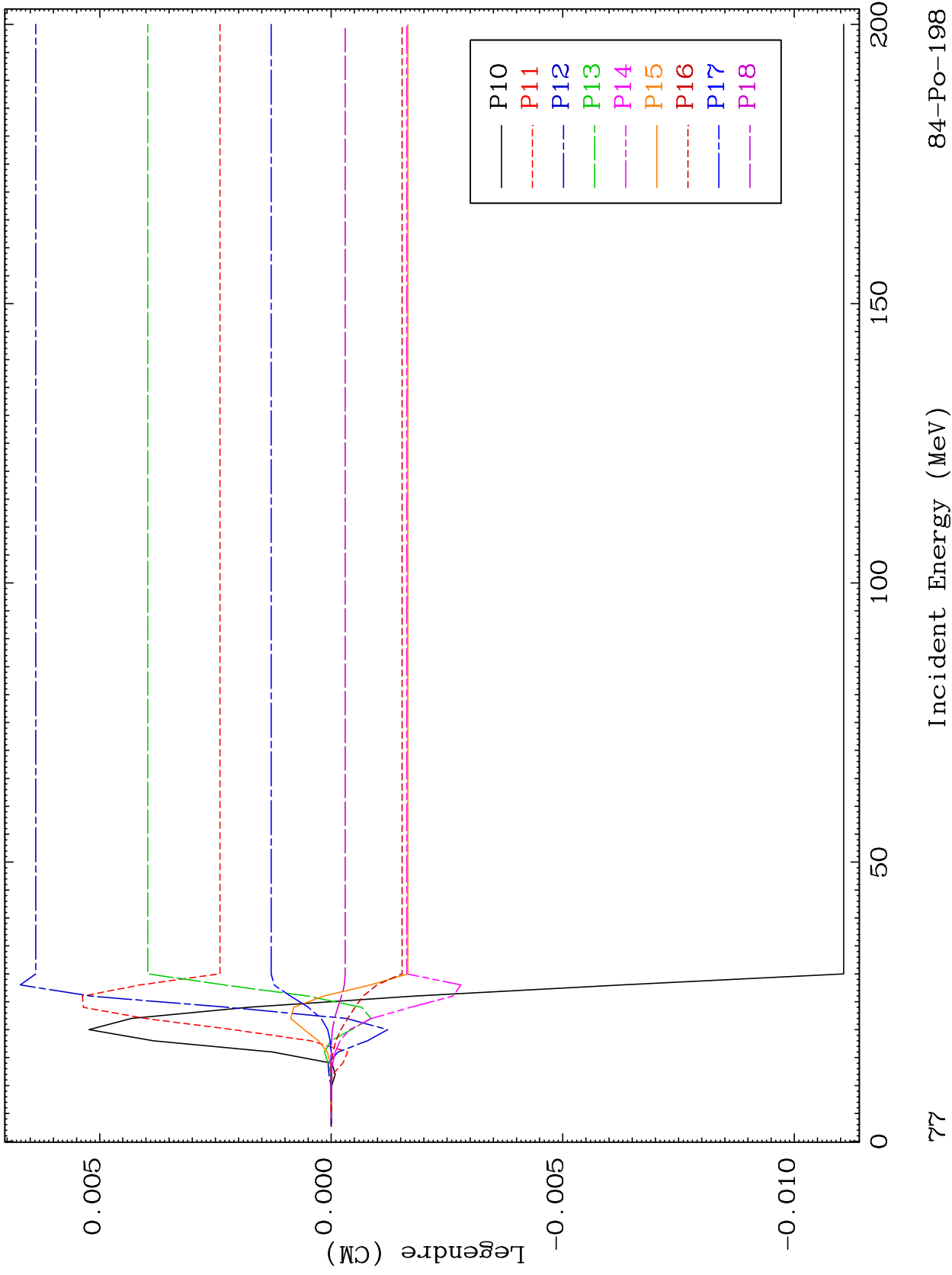
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



77

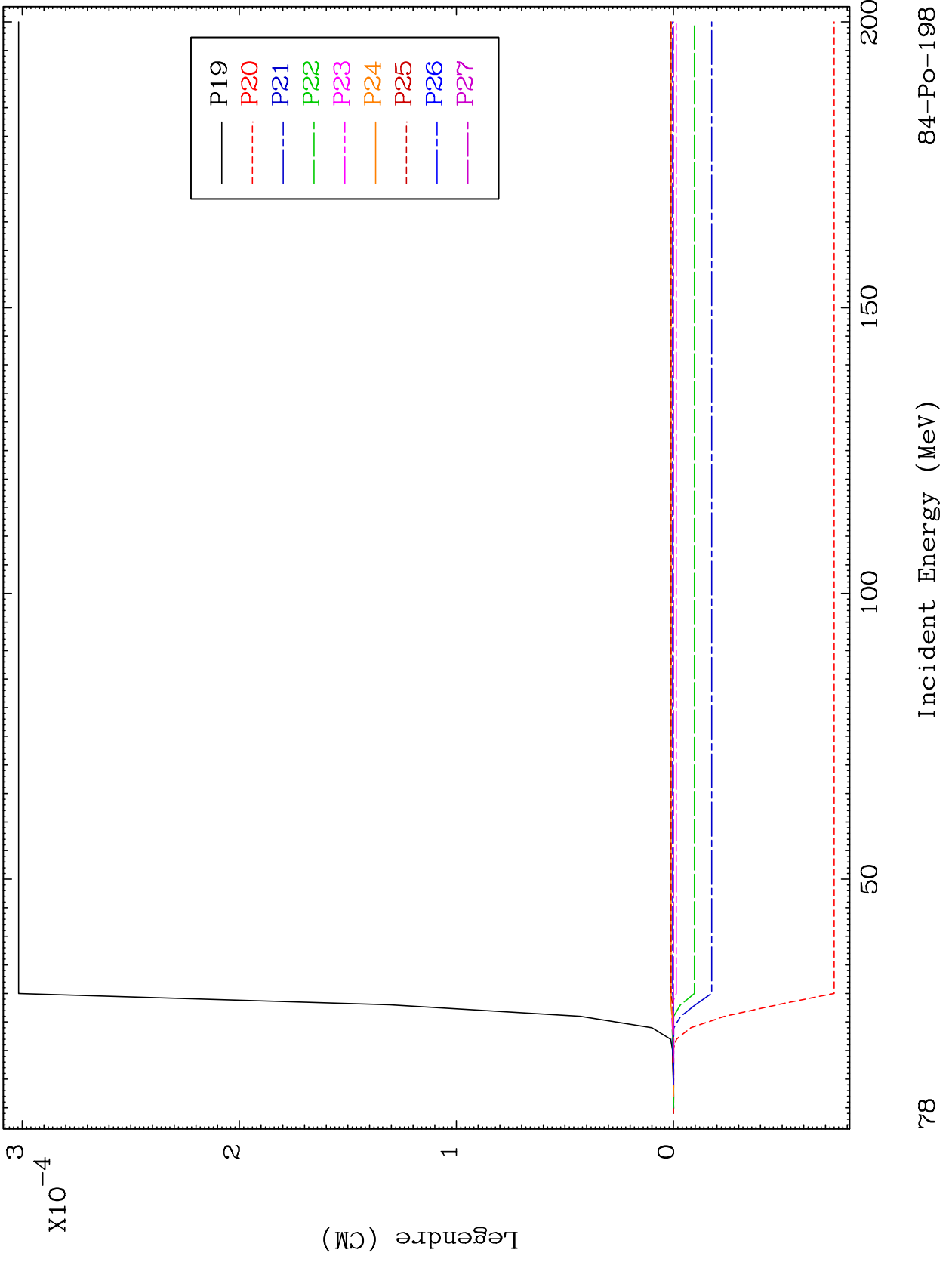
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



78

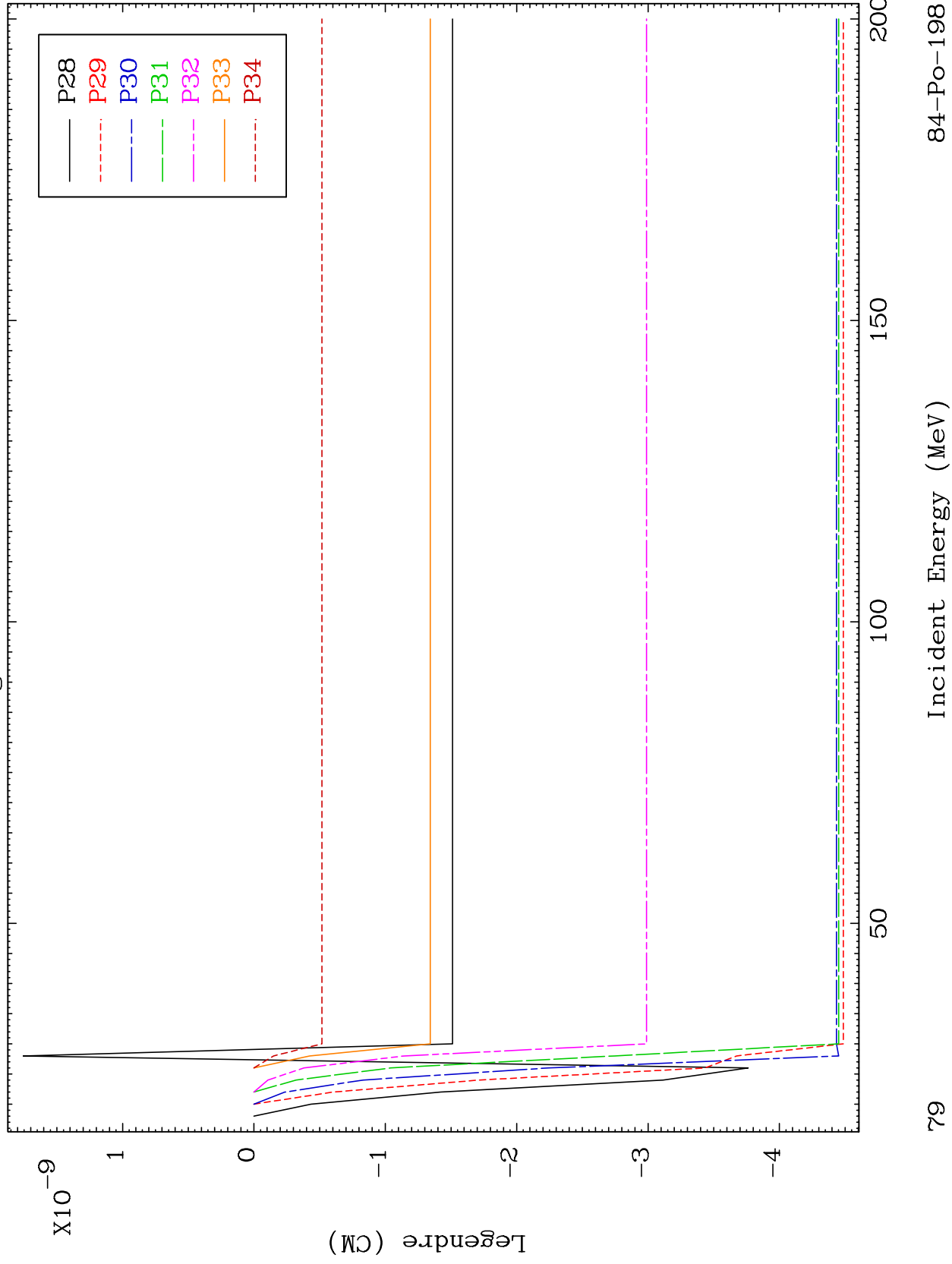
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198

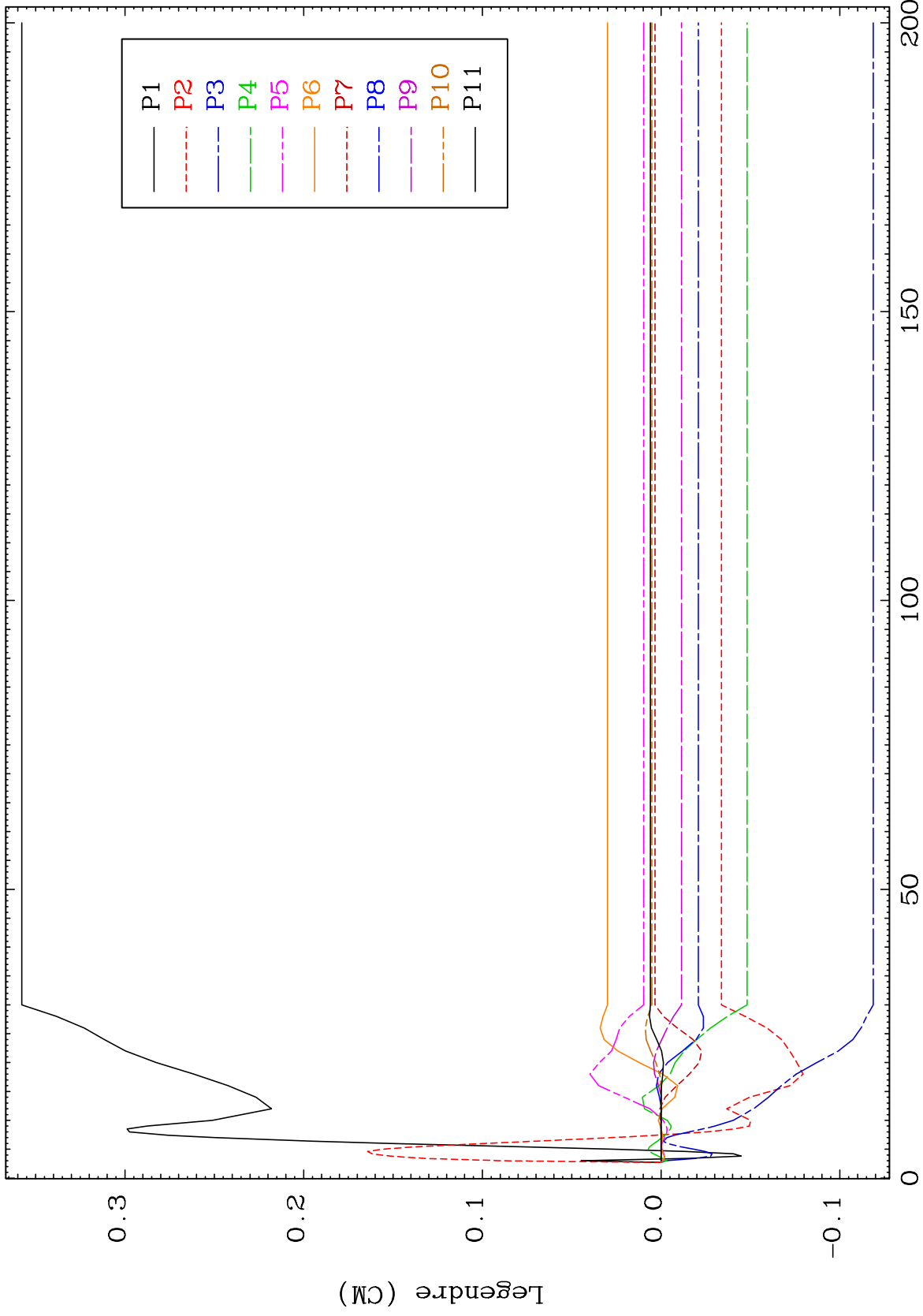




MAT 8401

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

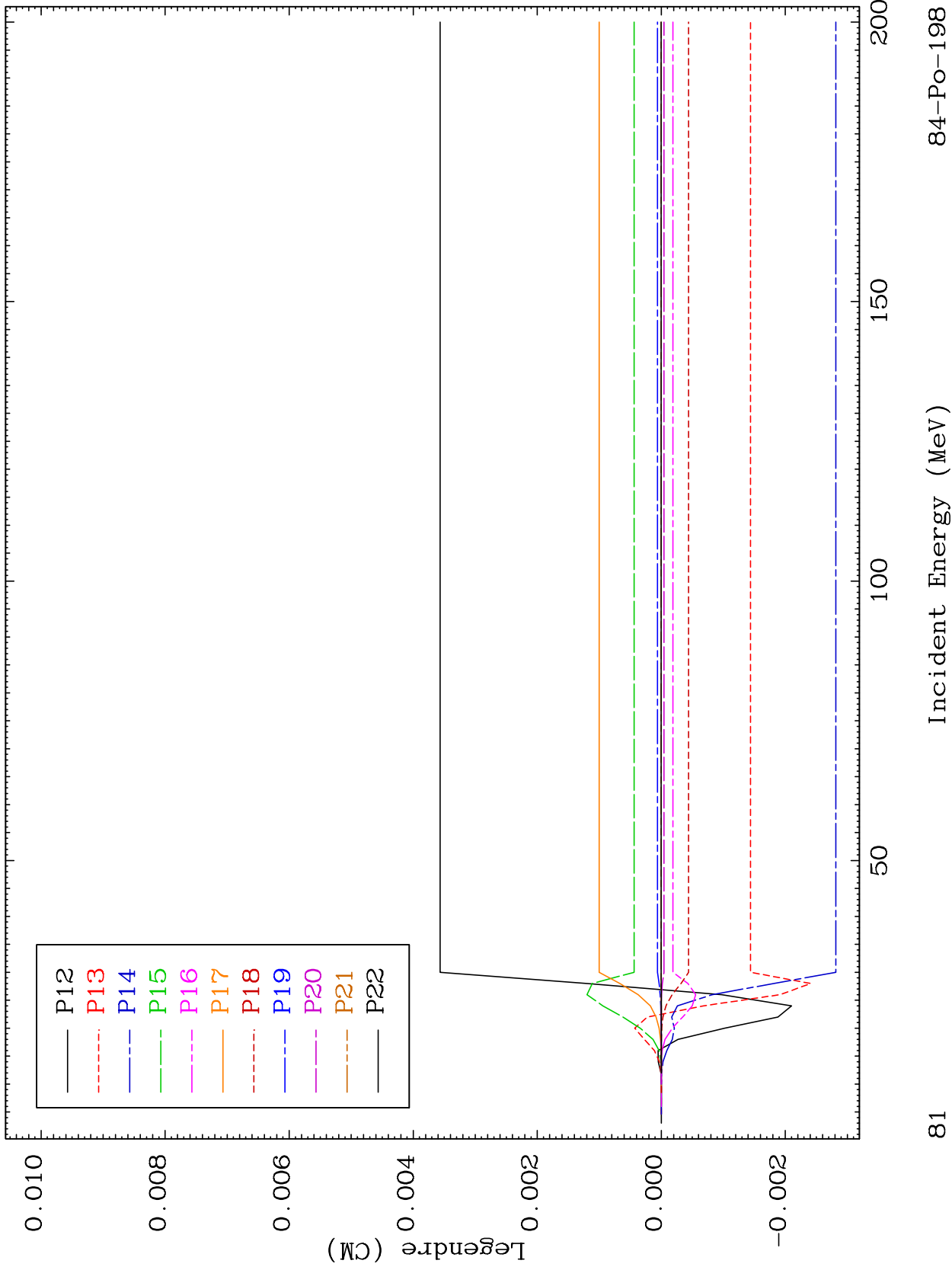
84-Po-198



84-Po-198

Incident Energy (MeV)

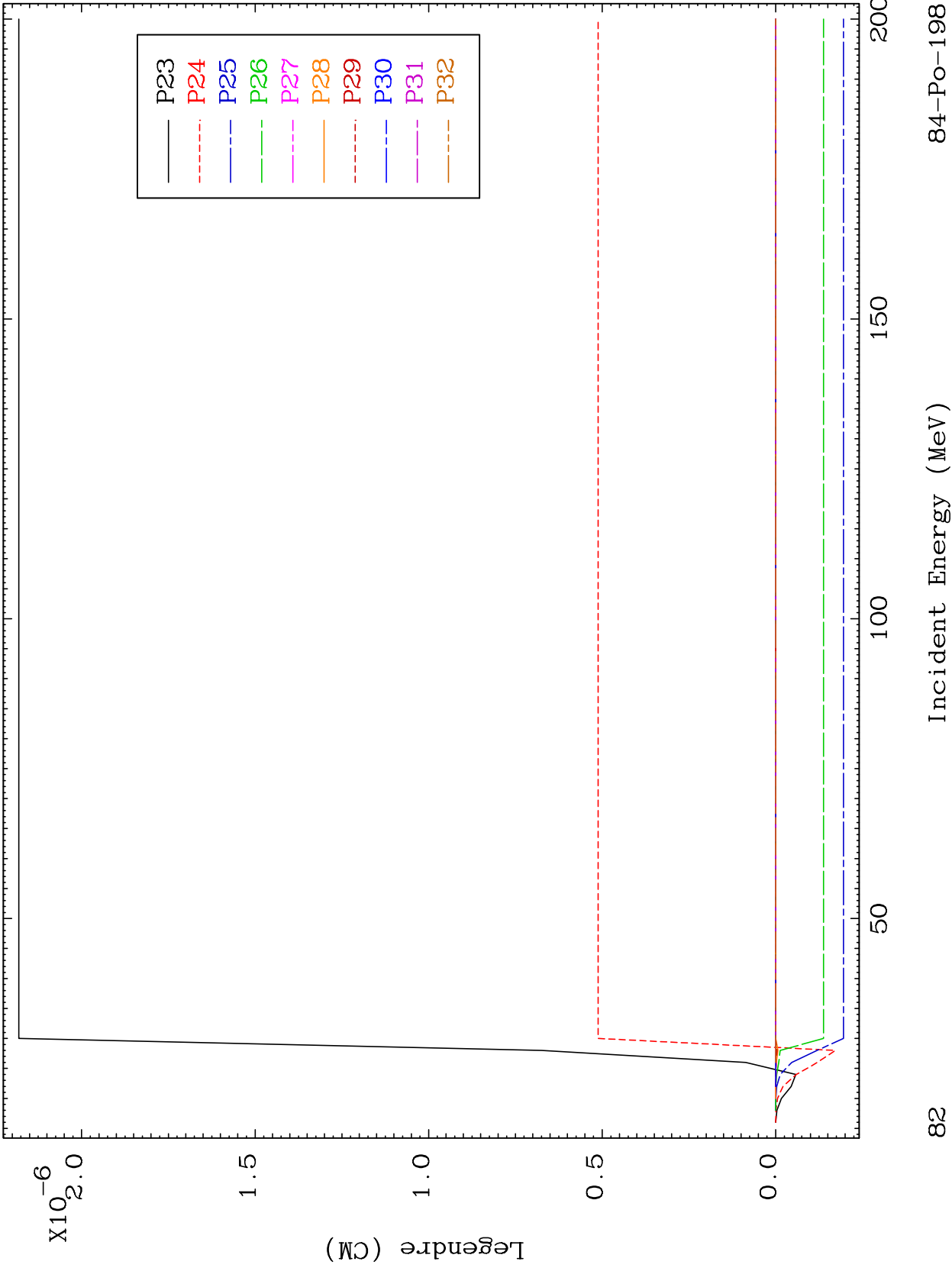
80



MAT 8401

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

84-Po-198



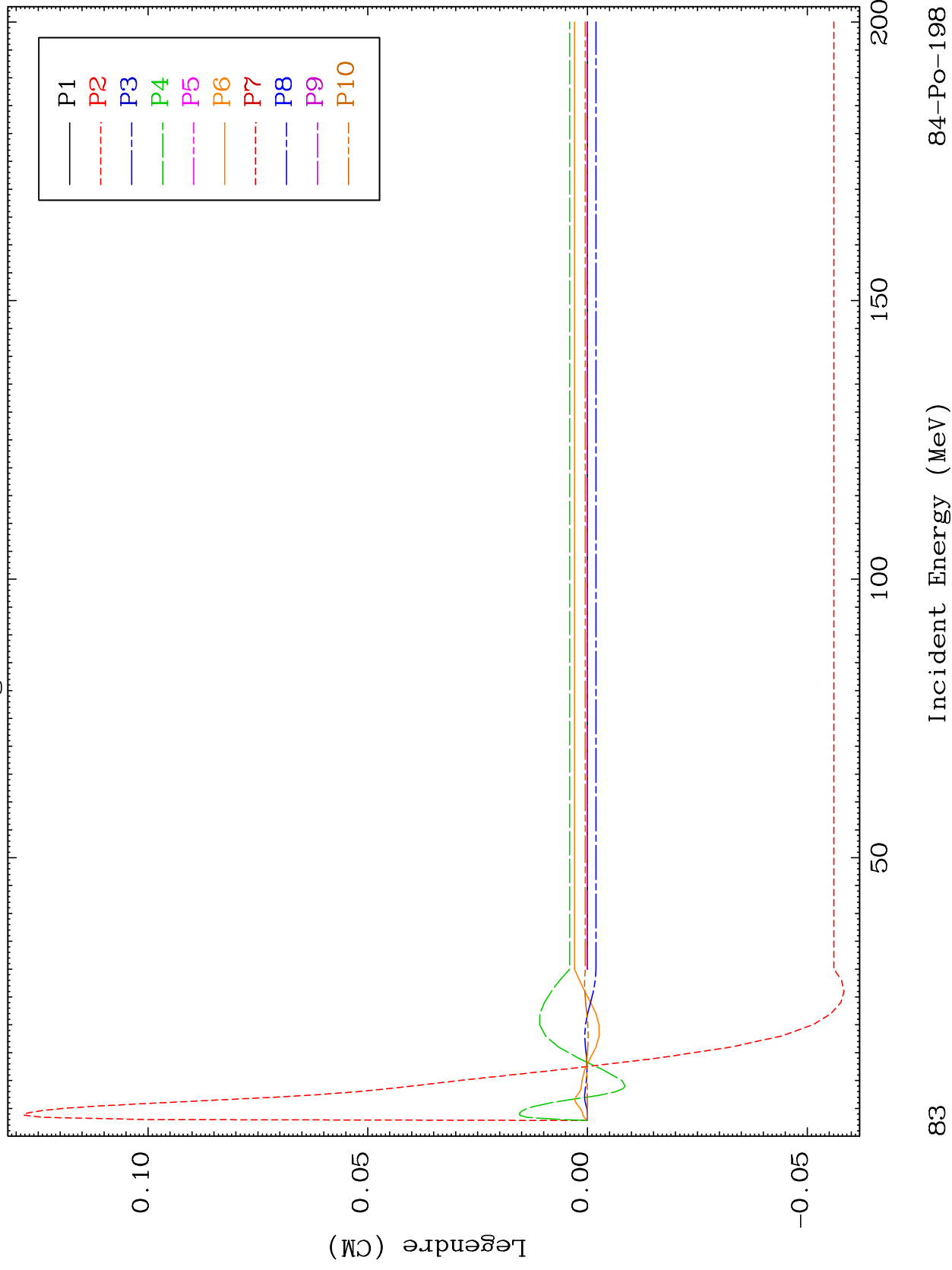
82

84-Po-198

MAT 8401

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

84-Po-198



83

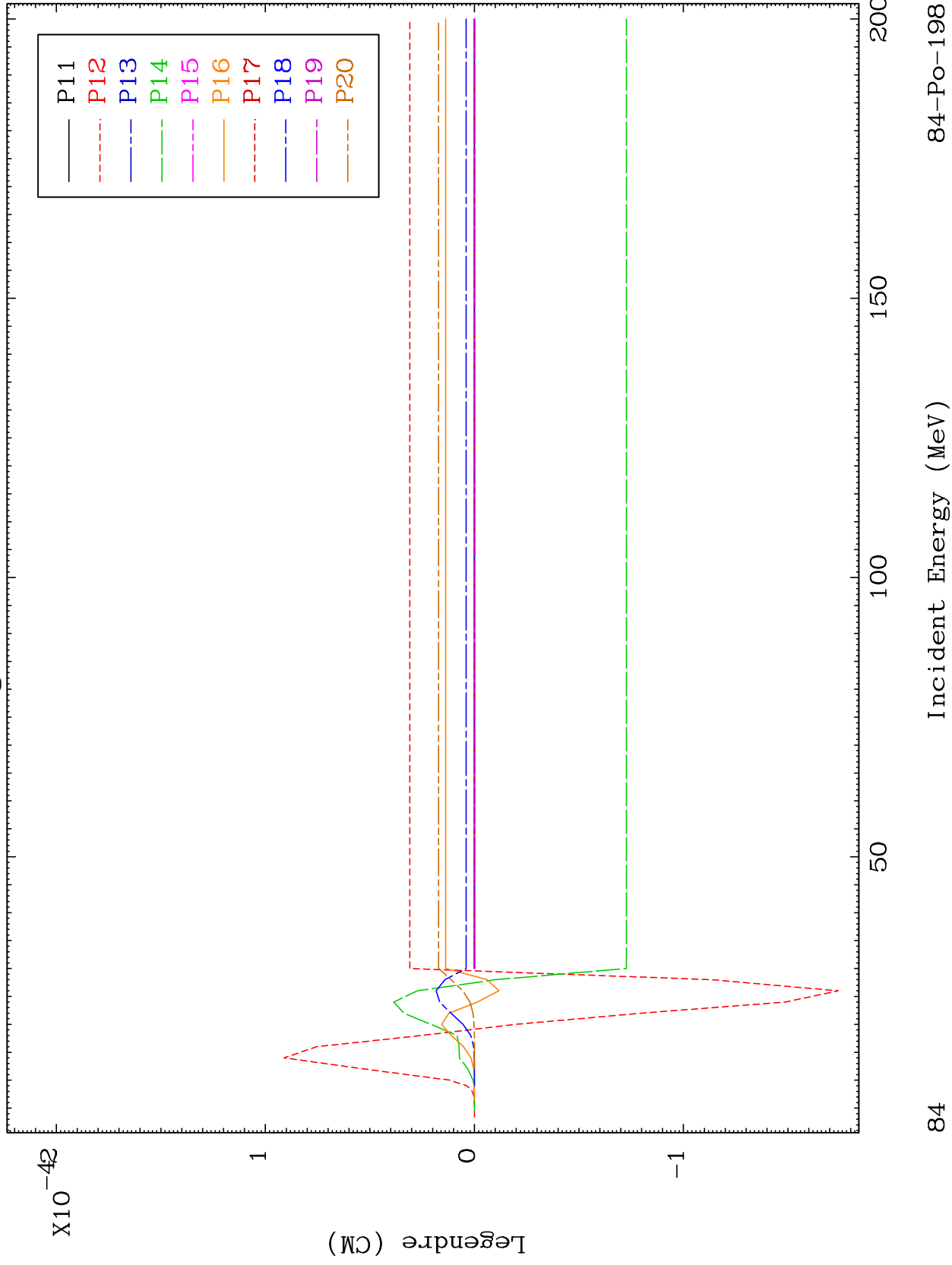
Incident Energy (MeV)

84-Po-198

MAT 8401

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

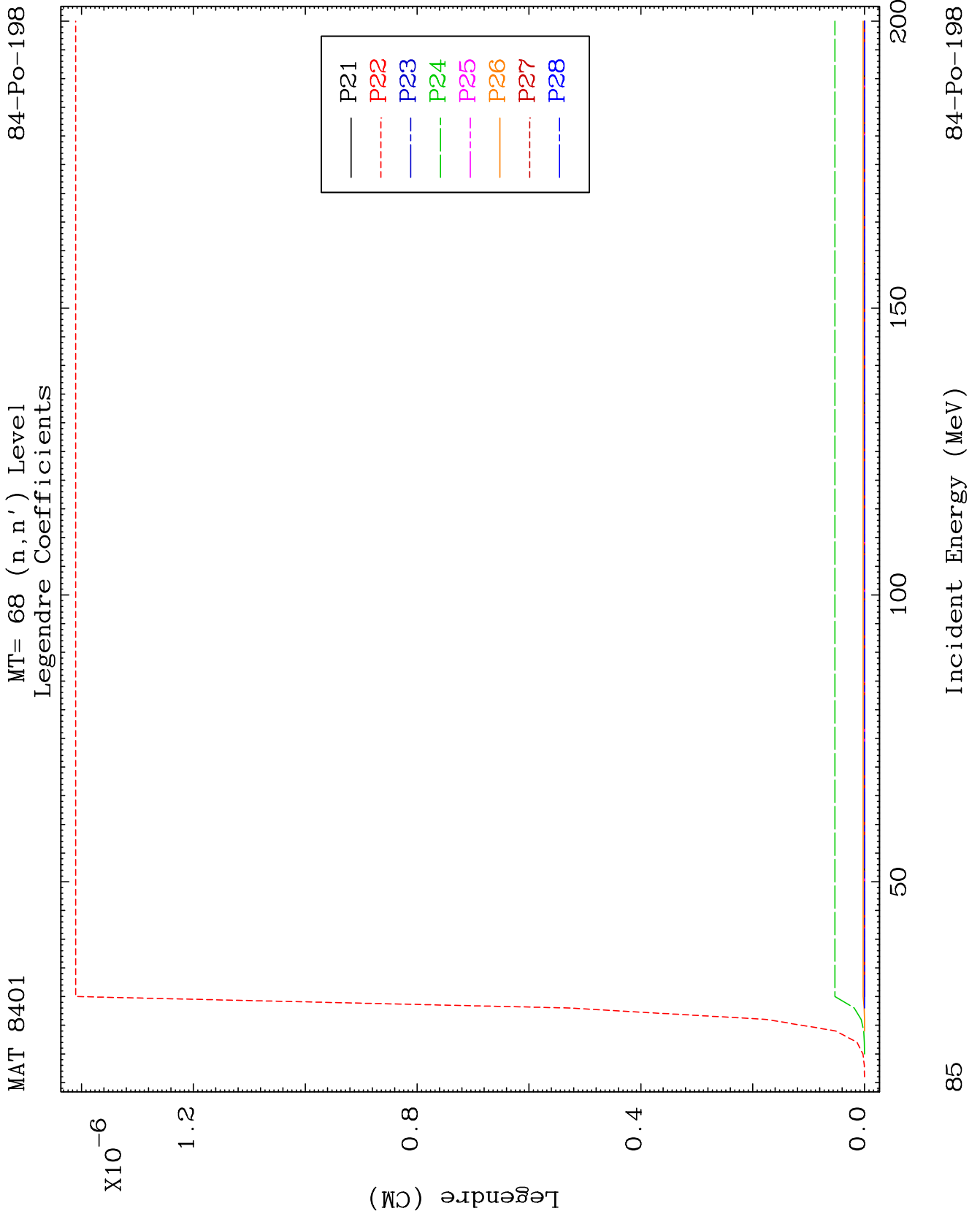
84-Po-198

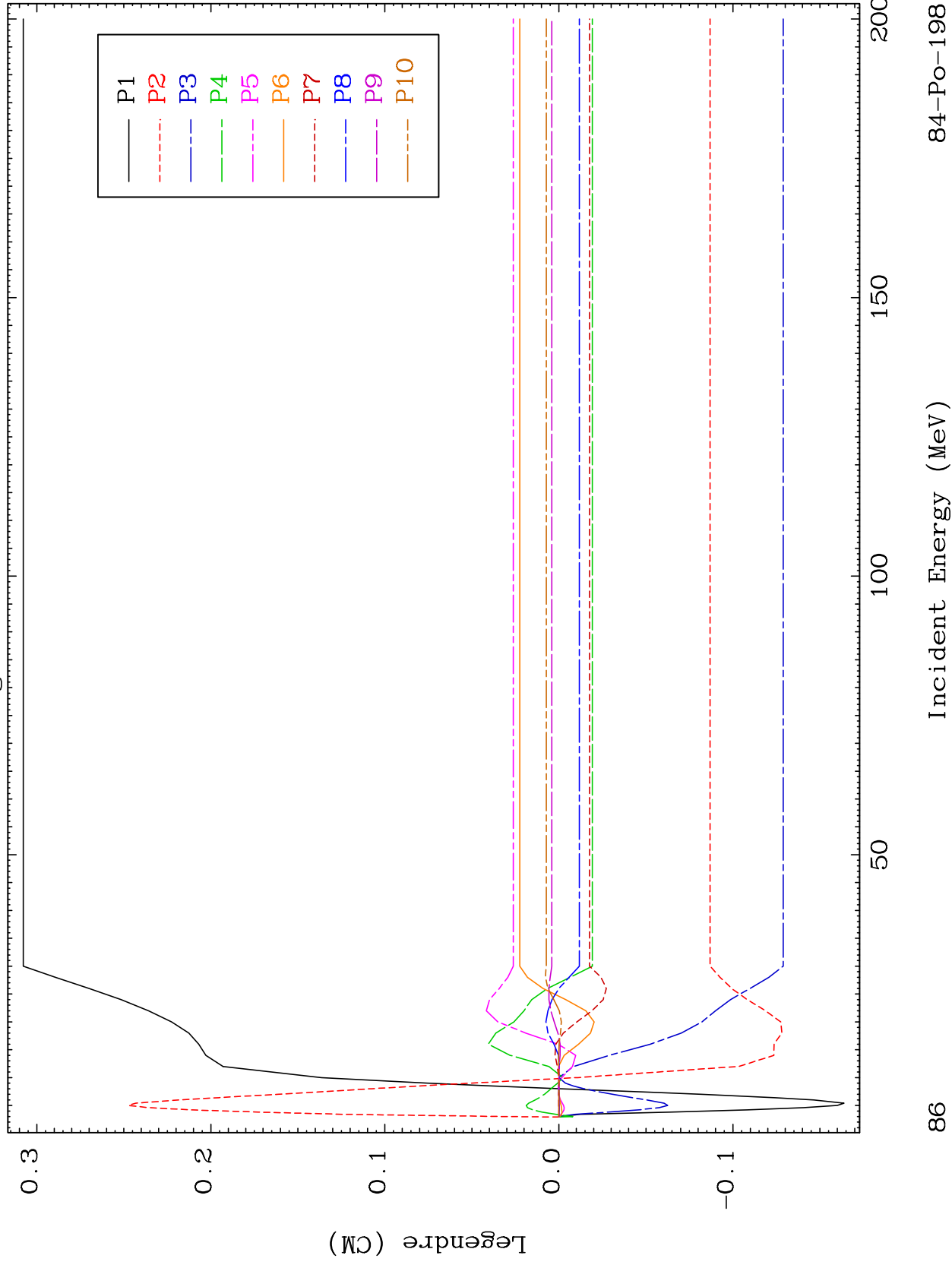


84

Incident Energy (MeV)

84-Po-198

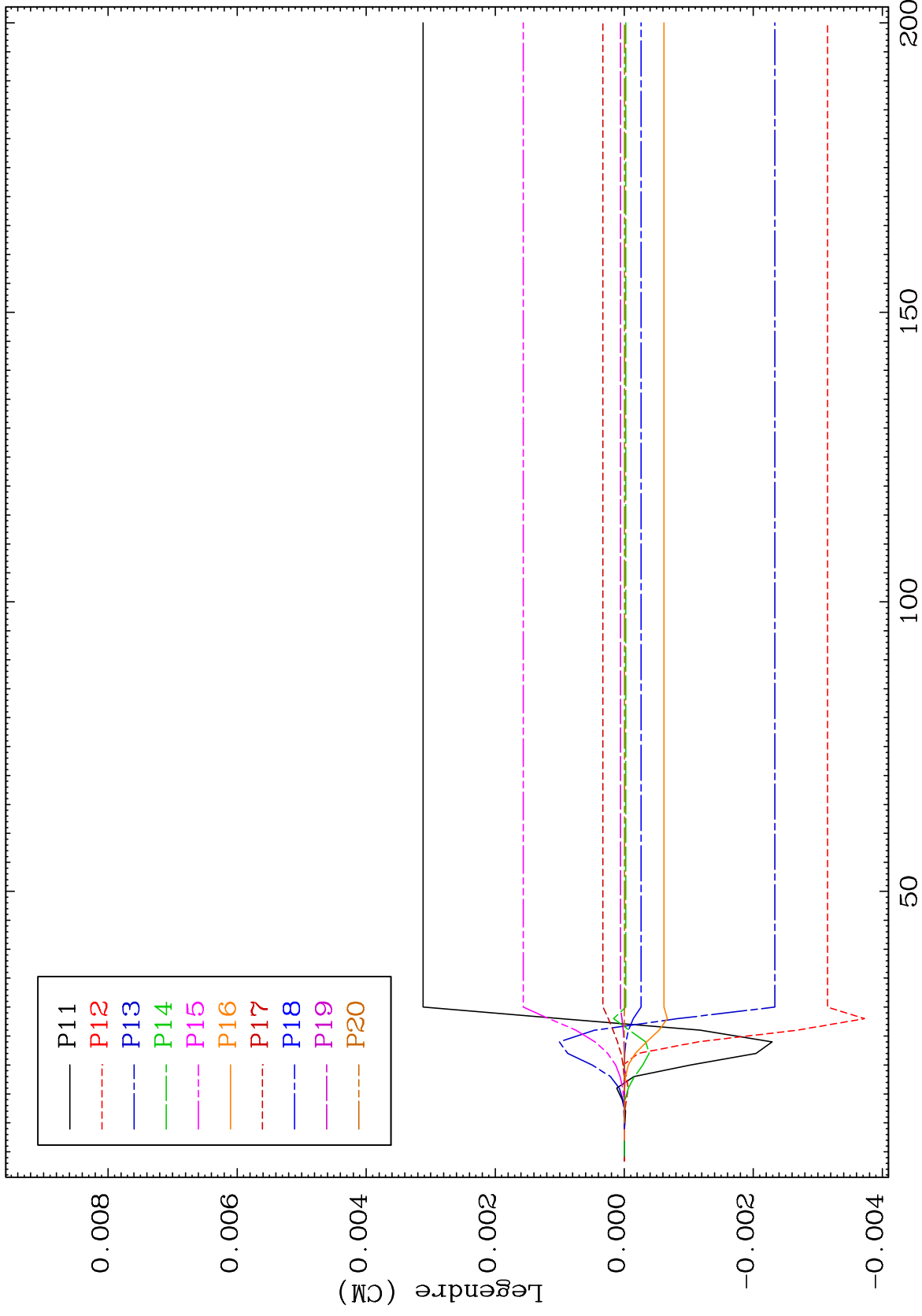




MAT 8401

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

84-Po-198



87

Incident Energy (MeV)

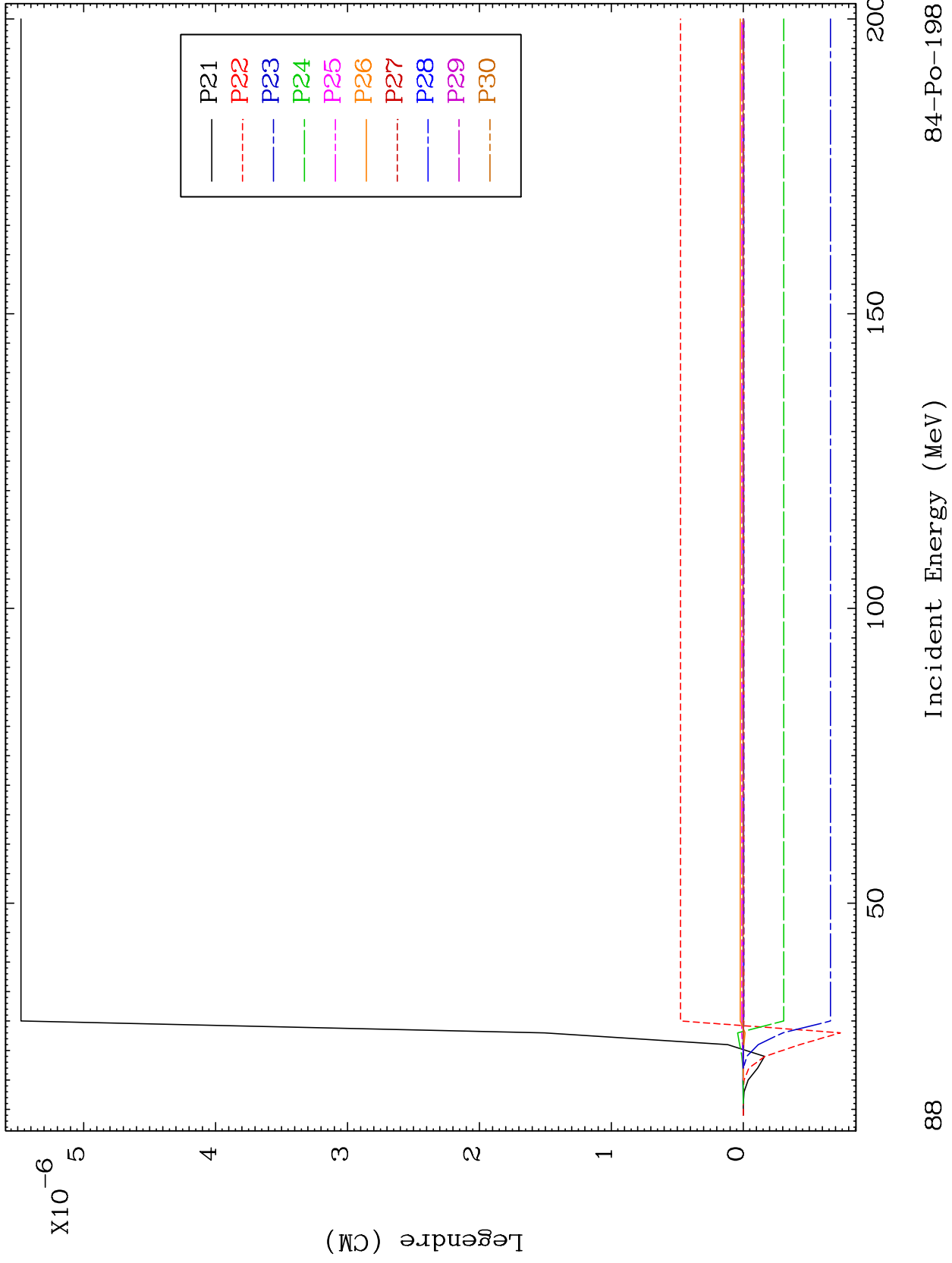
84-Po-198



MAT 8401

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

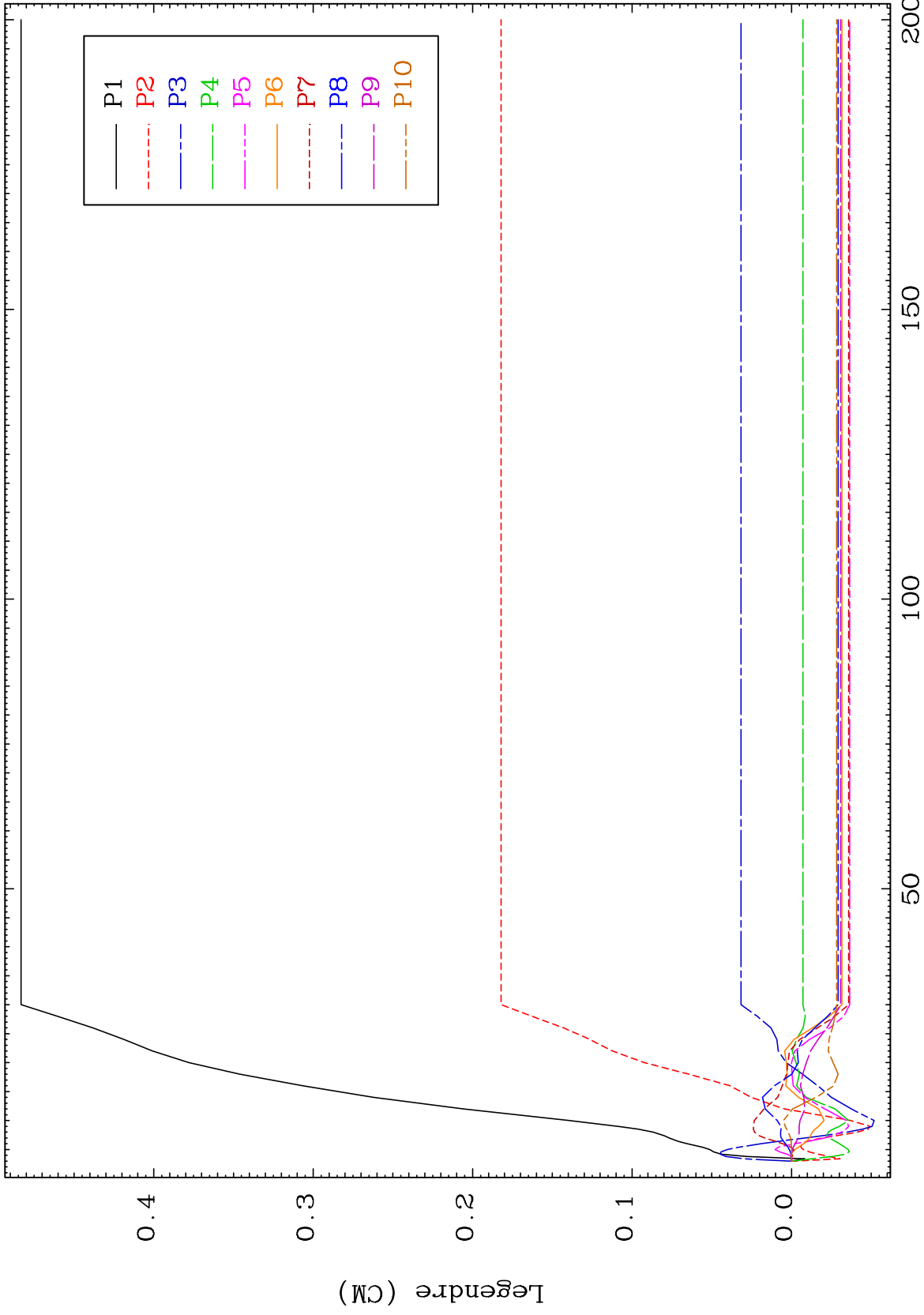
84-Po-198



MAT 8401

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

84-Po-198



89

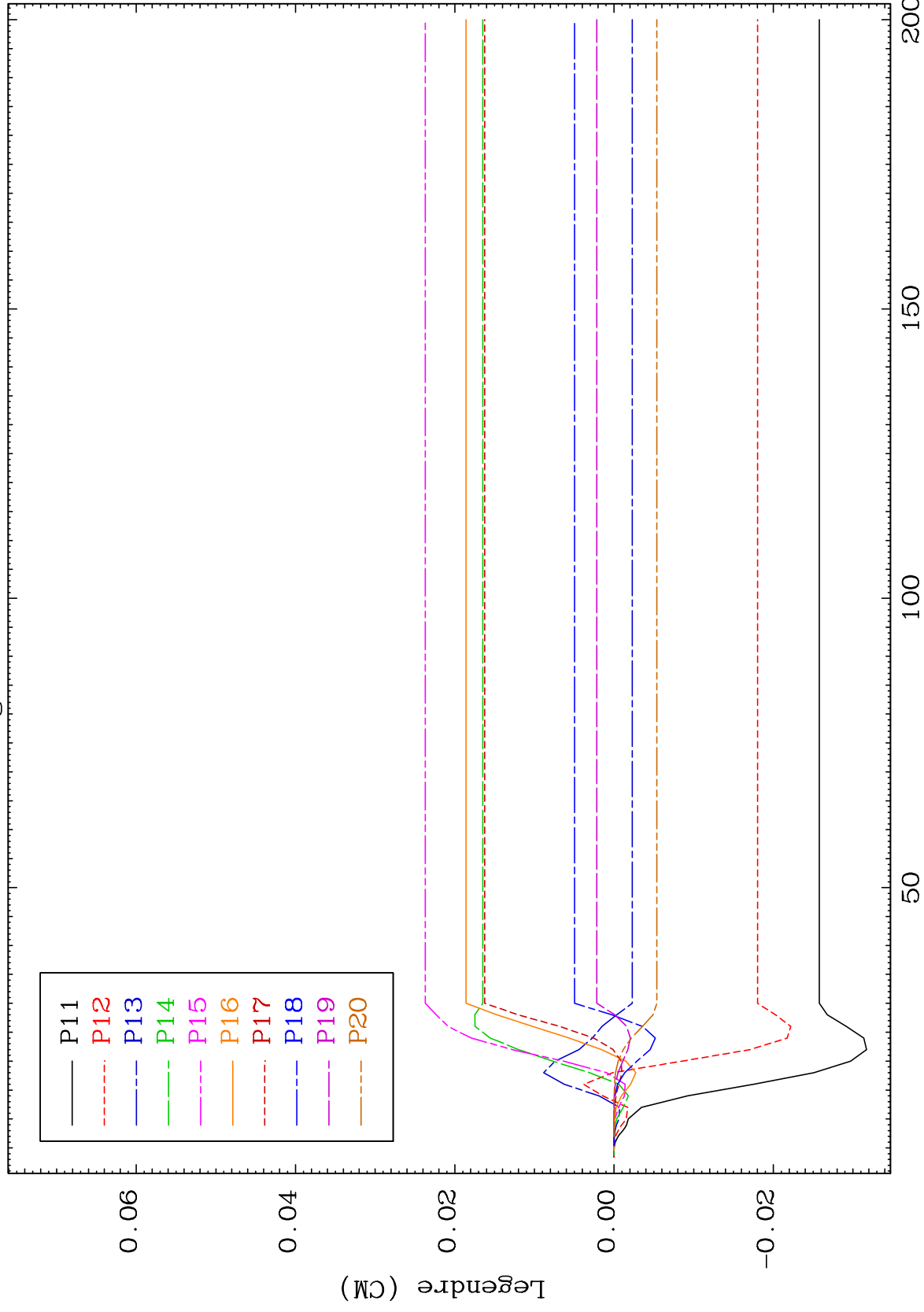
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



90

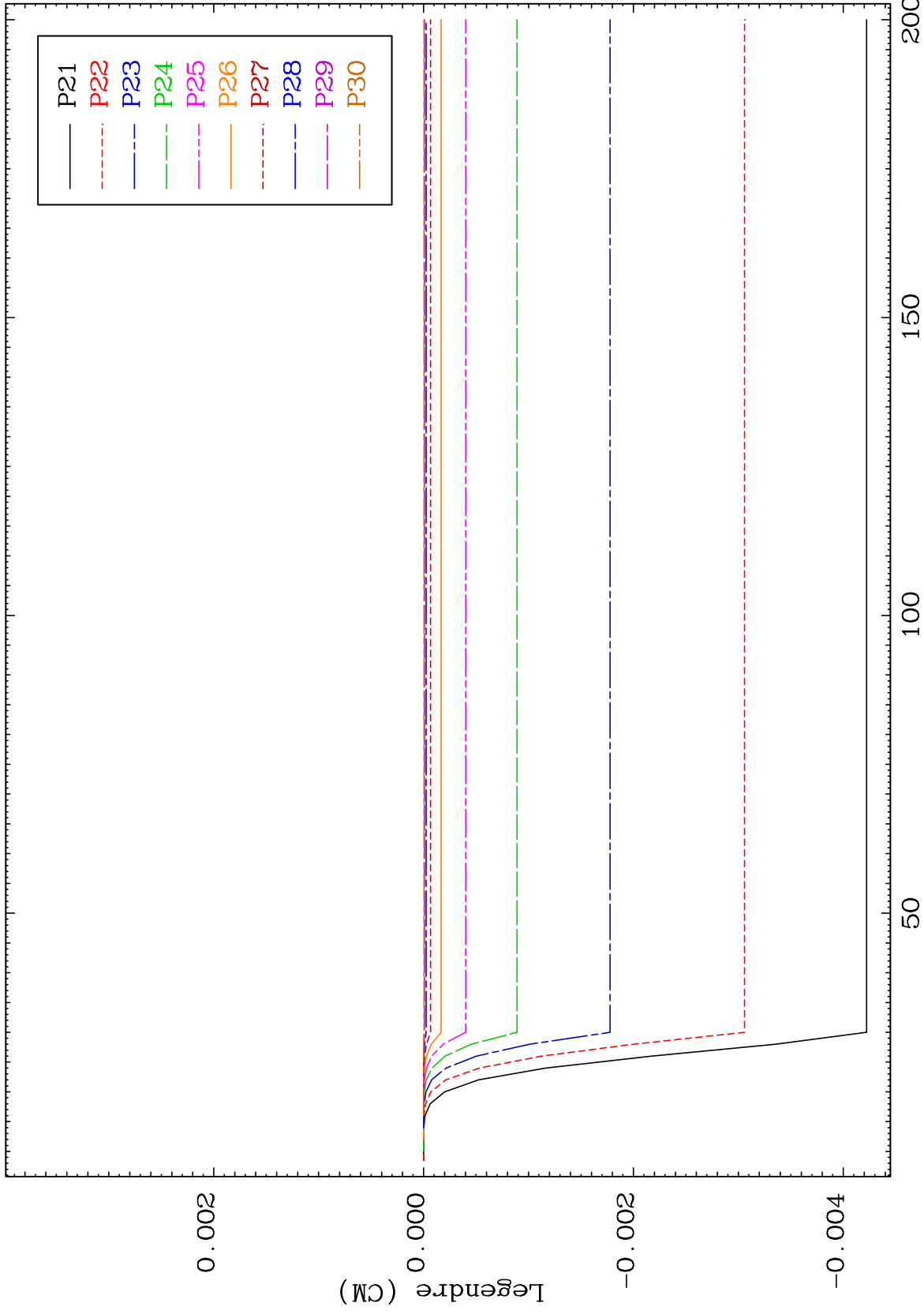
Incident Energy (MeV)

84-Po-198

MAT 8401

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

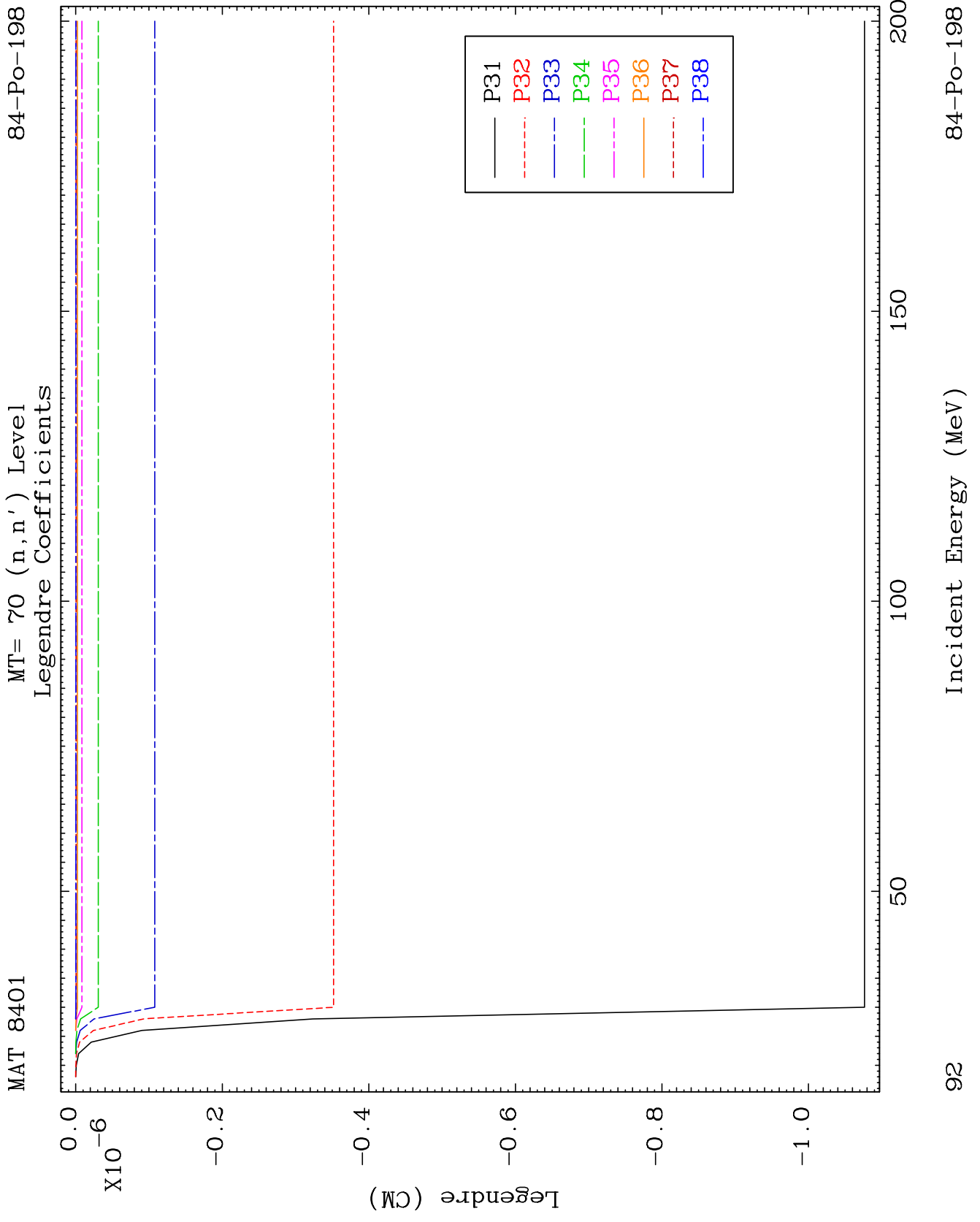
84-Po-198



91

Incident Energy (MeV)

84-Po-198

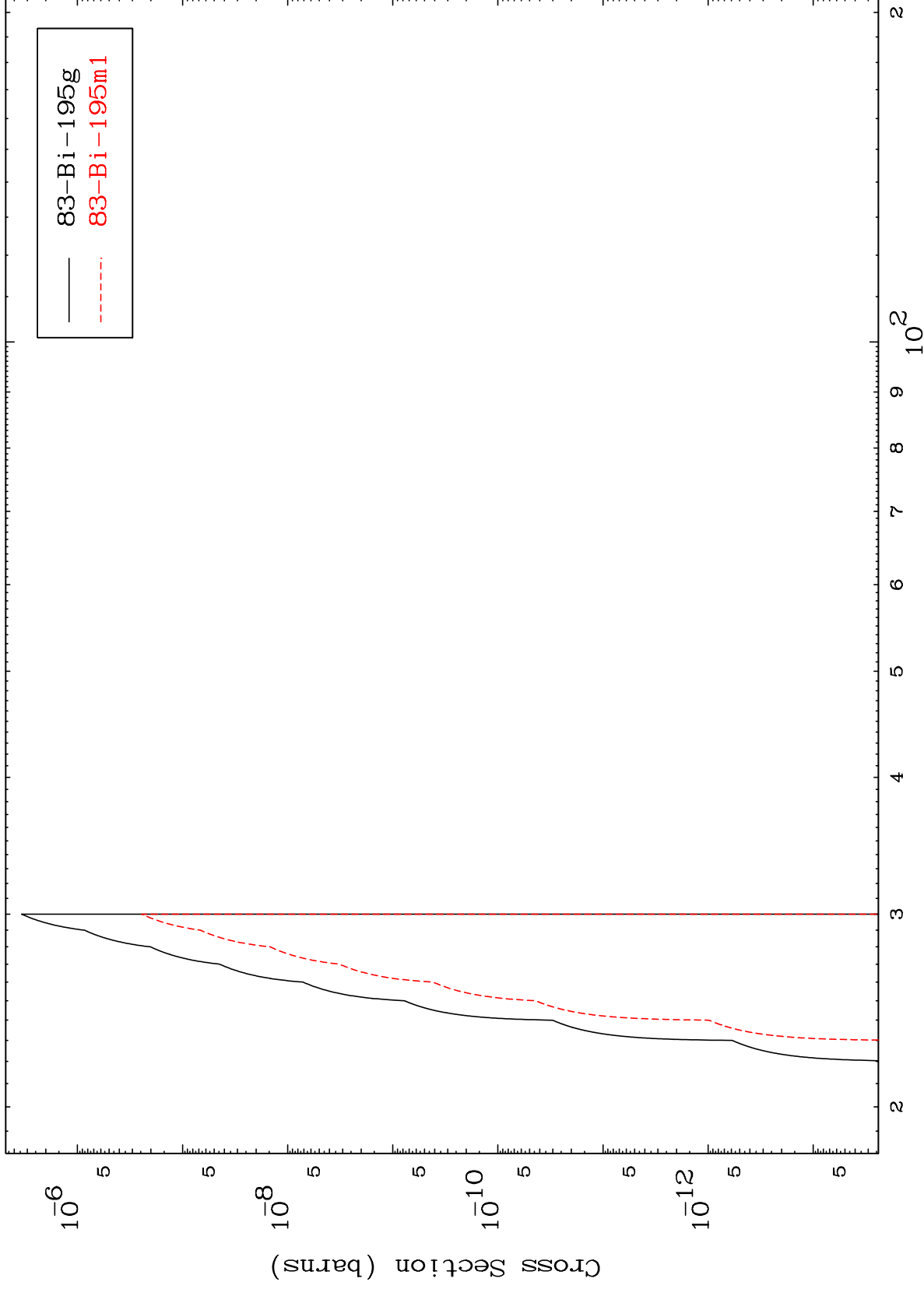


MAT 8401

(n,2n) d

84-Po-198

Radionuclide Production Cross Section



93

Incident Energy (MeV)

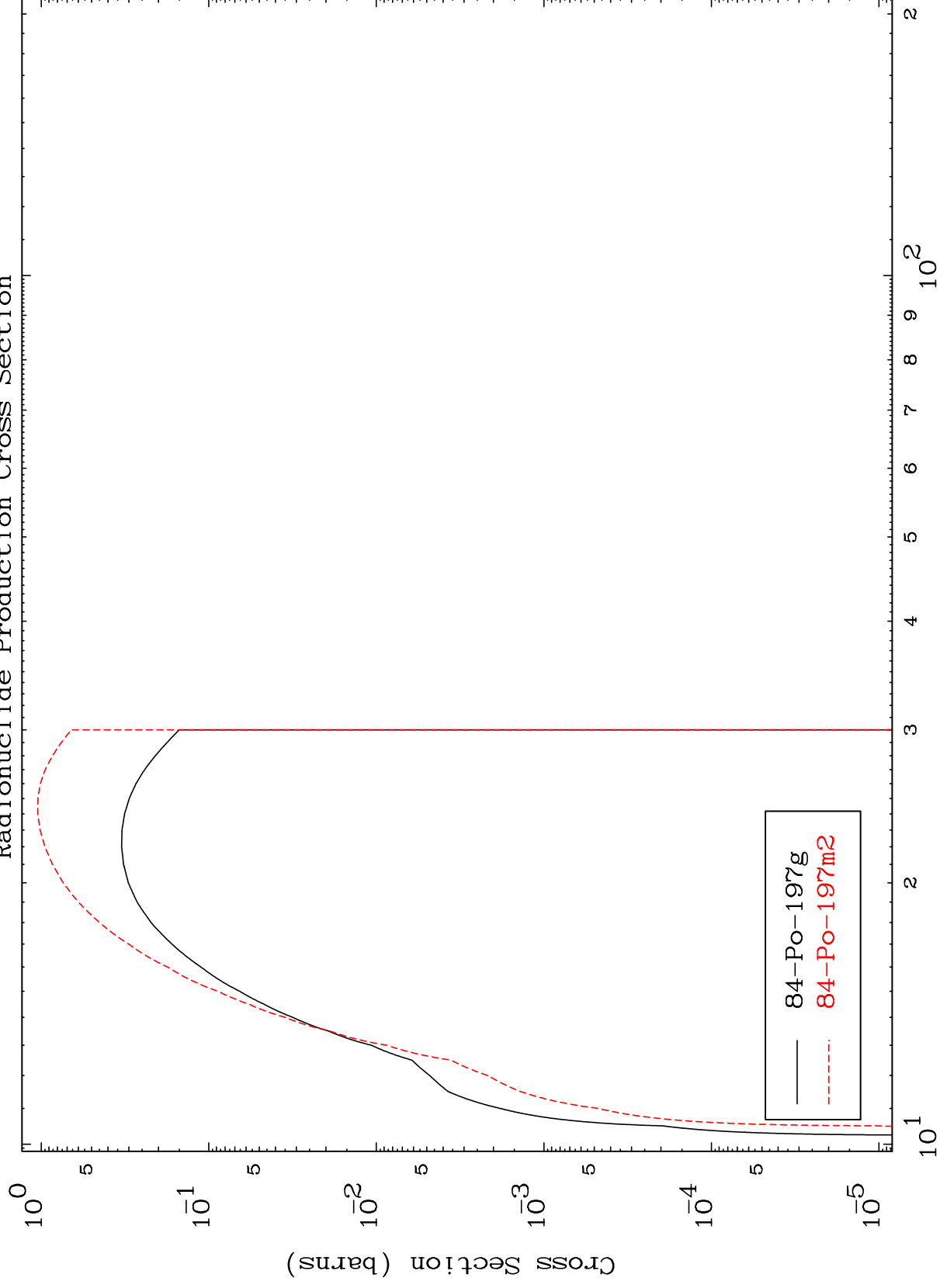
84-Po-198

MAT 8401

(n,2n)

84-Po-198

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-198

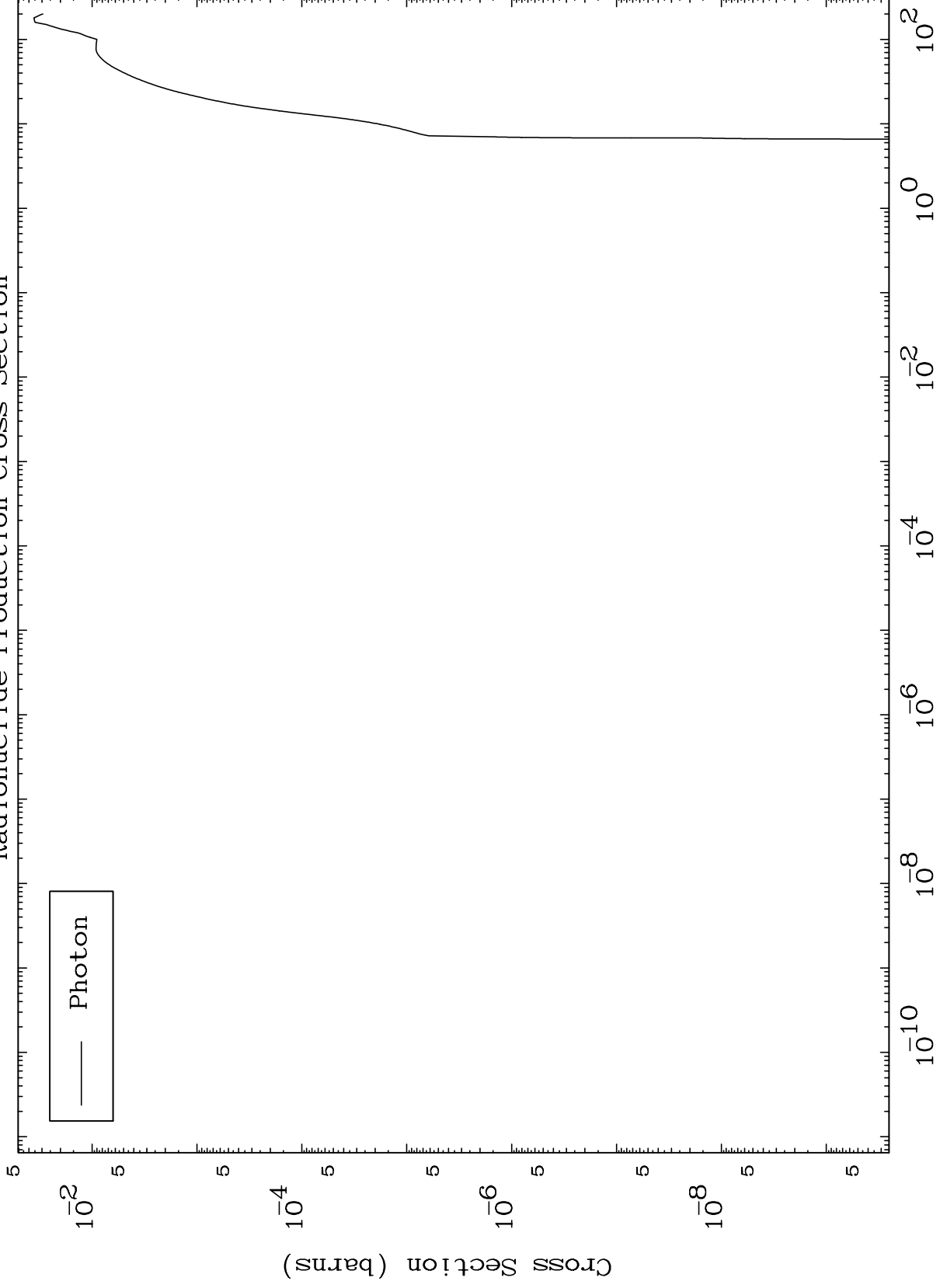
94

MAT 8401

Fission

84-Po-198

Radionuclide Production Cross Section



95

Incident Energy (MeV)

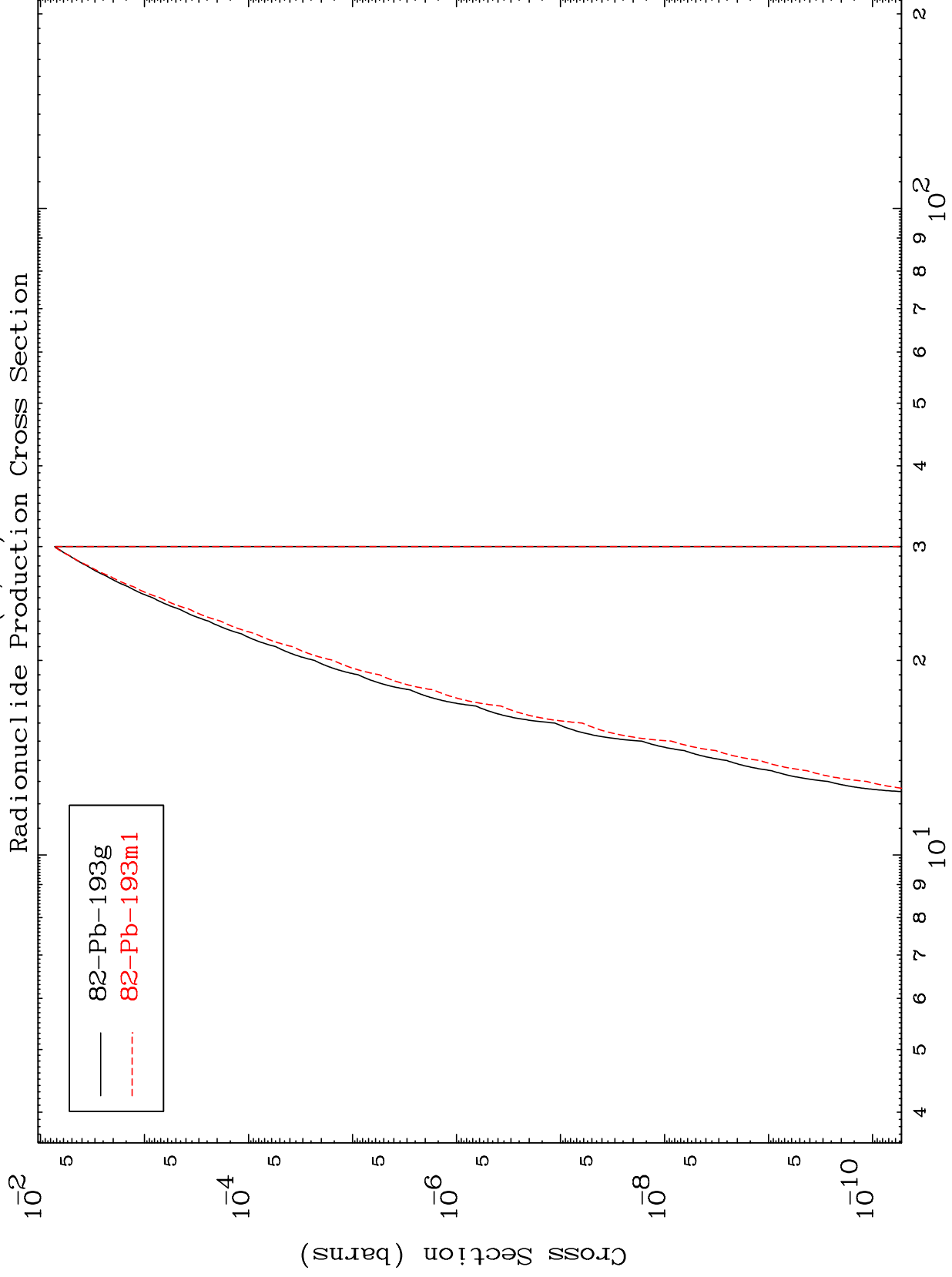
84-Po-198



MAT 8401

$(n,2n) \alpha$

84-Po-198



96

Incident Energy (MeV)

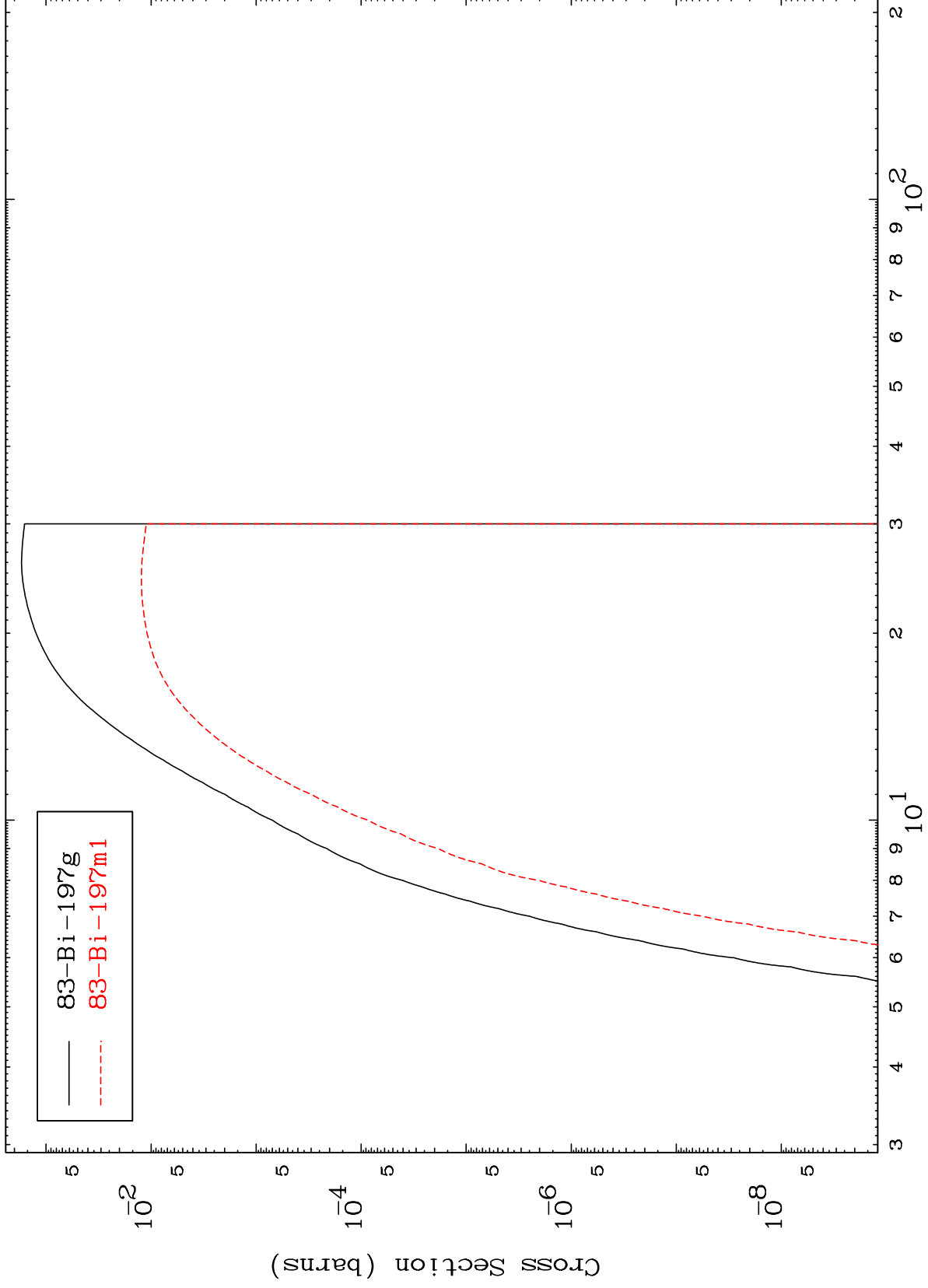
84-Po-198

MAT 8401

(n,n') p

84-Po-198

Radionuclide Production Cross Section



97

Incident Energy (MeV)

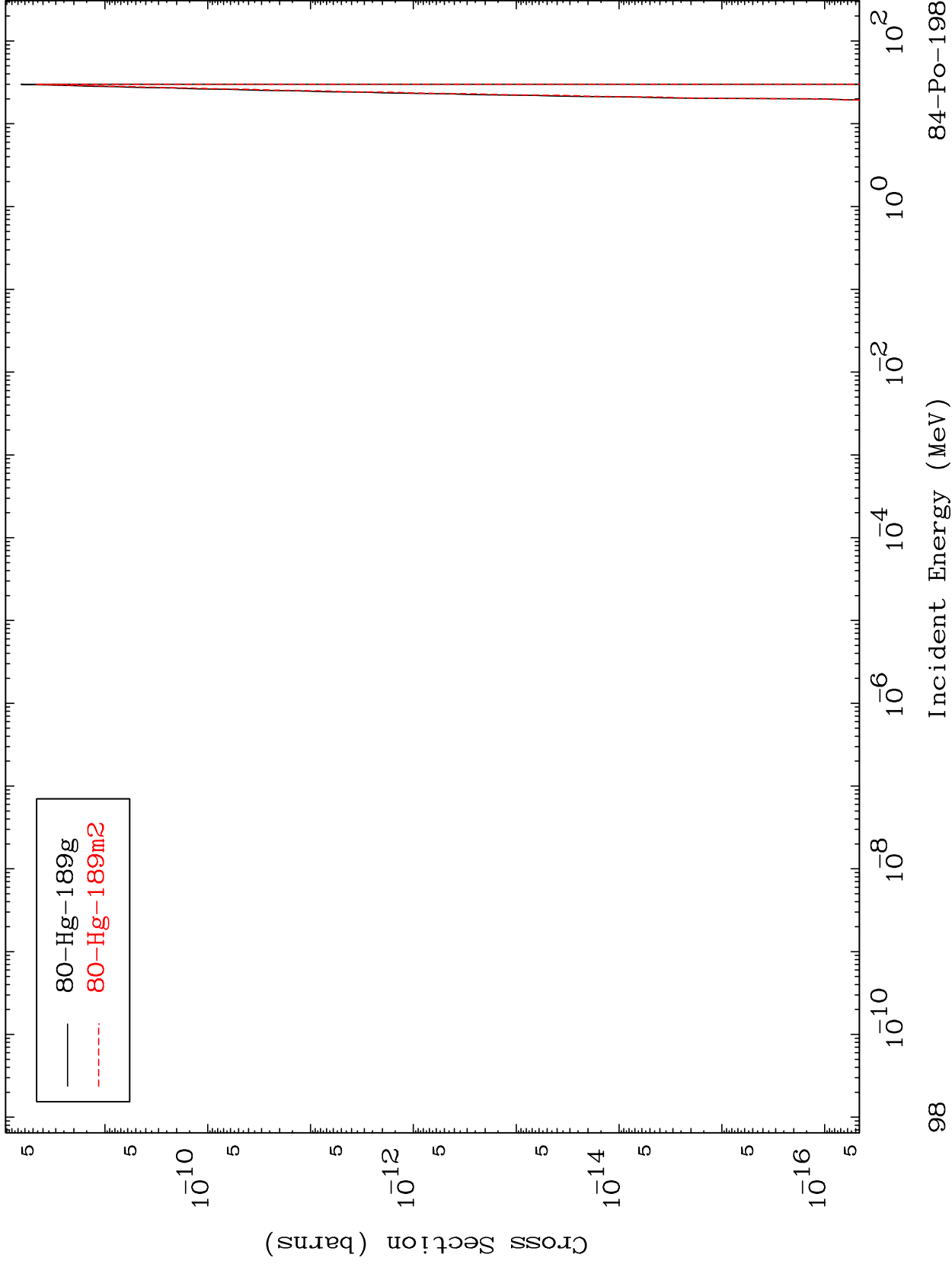
84-Po-198

MAT 8401

(n,2n) 2 $\alpha$

84-Po-198

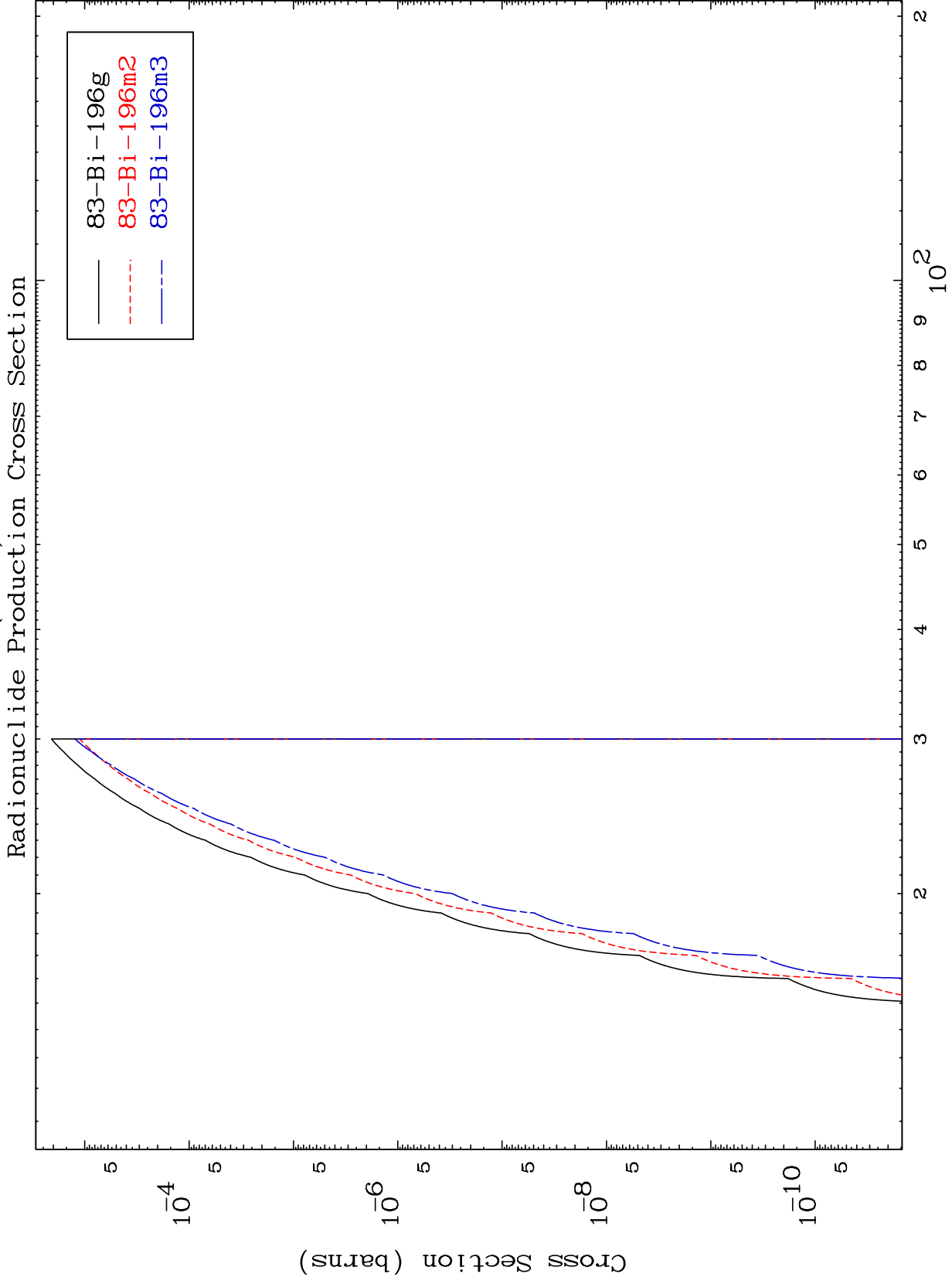
Radionuclide Production Cross Section



98

Incident Energy (MeV)

84-Po-198

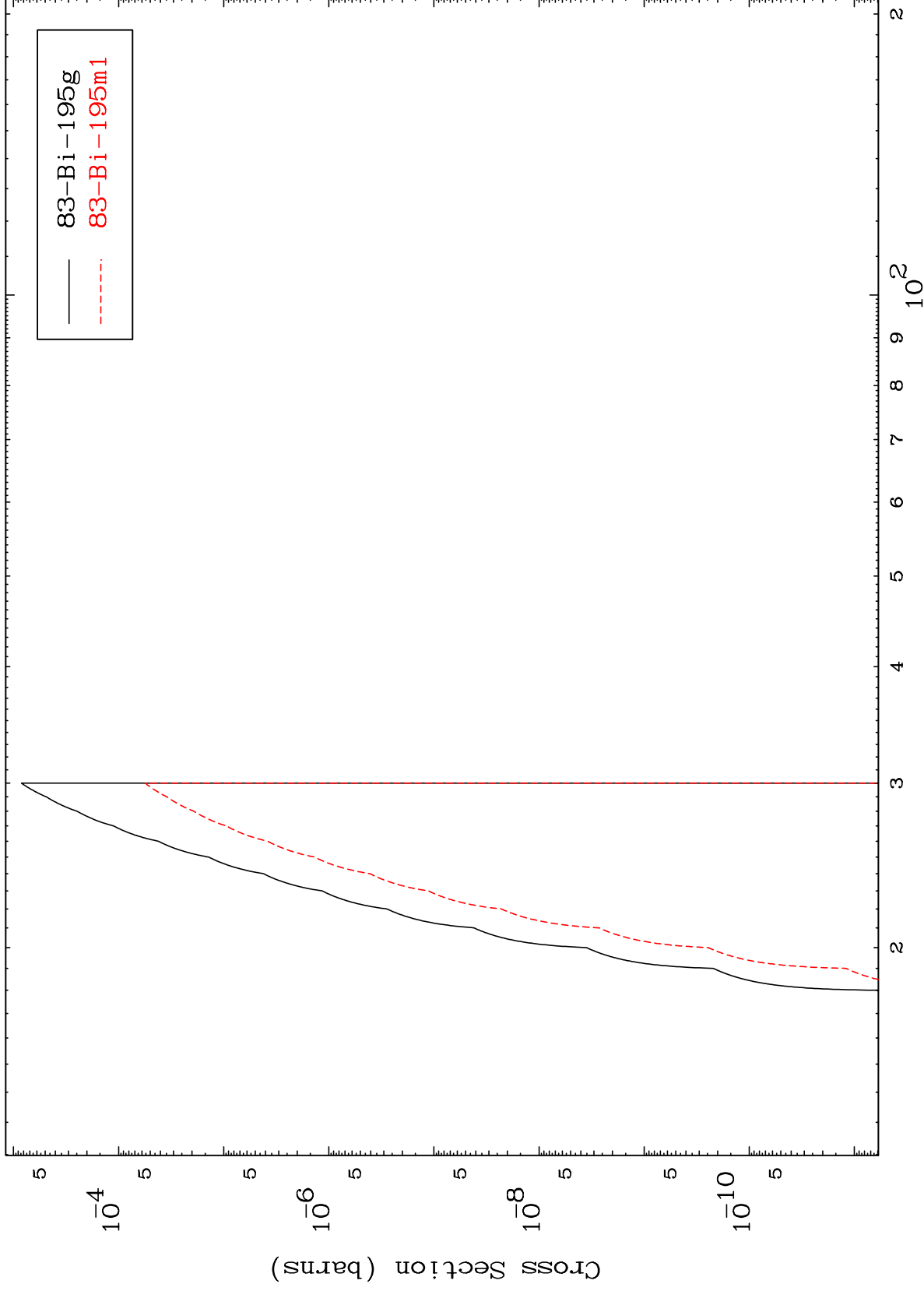


MAT 8401

(n,n') t

84-Po-198

Radionuclide Production Cross Section



100

Incident Energy (MeV)

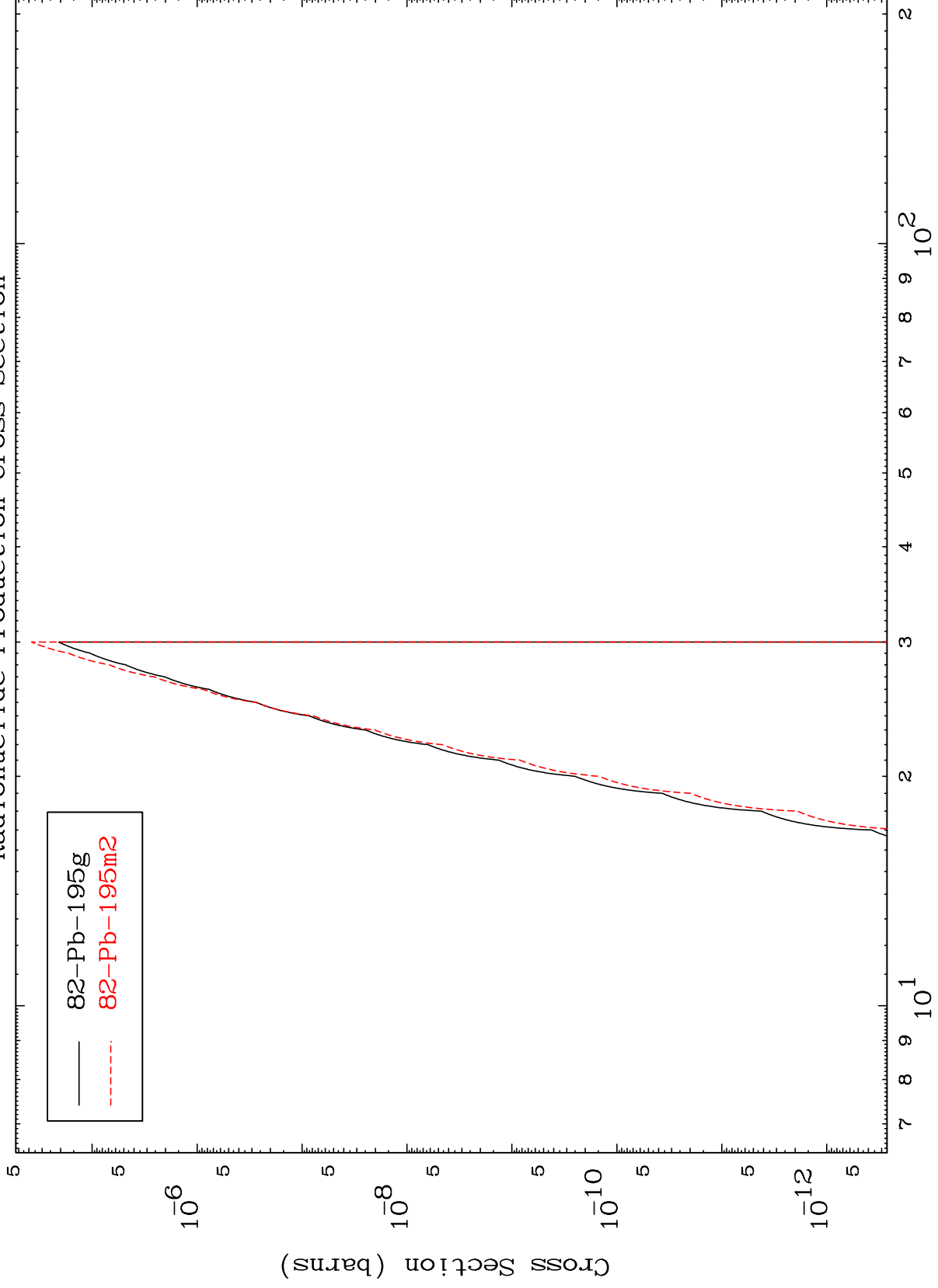
84-Po-198

MAT 8401

(n,n') He-3

84-Po-198

Radionuclide Production Cross Section



101

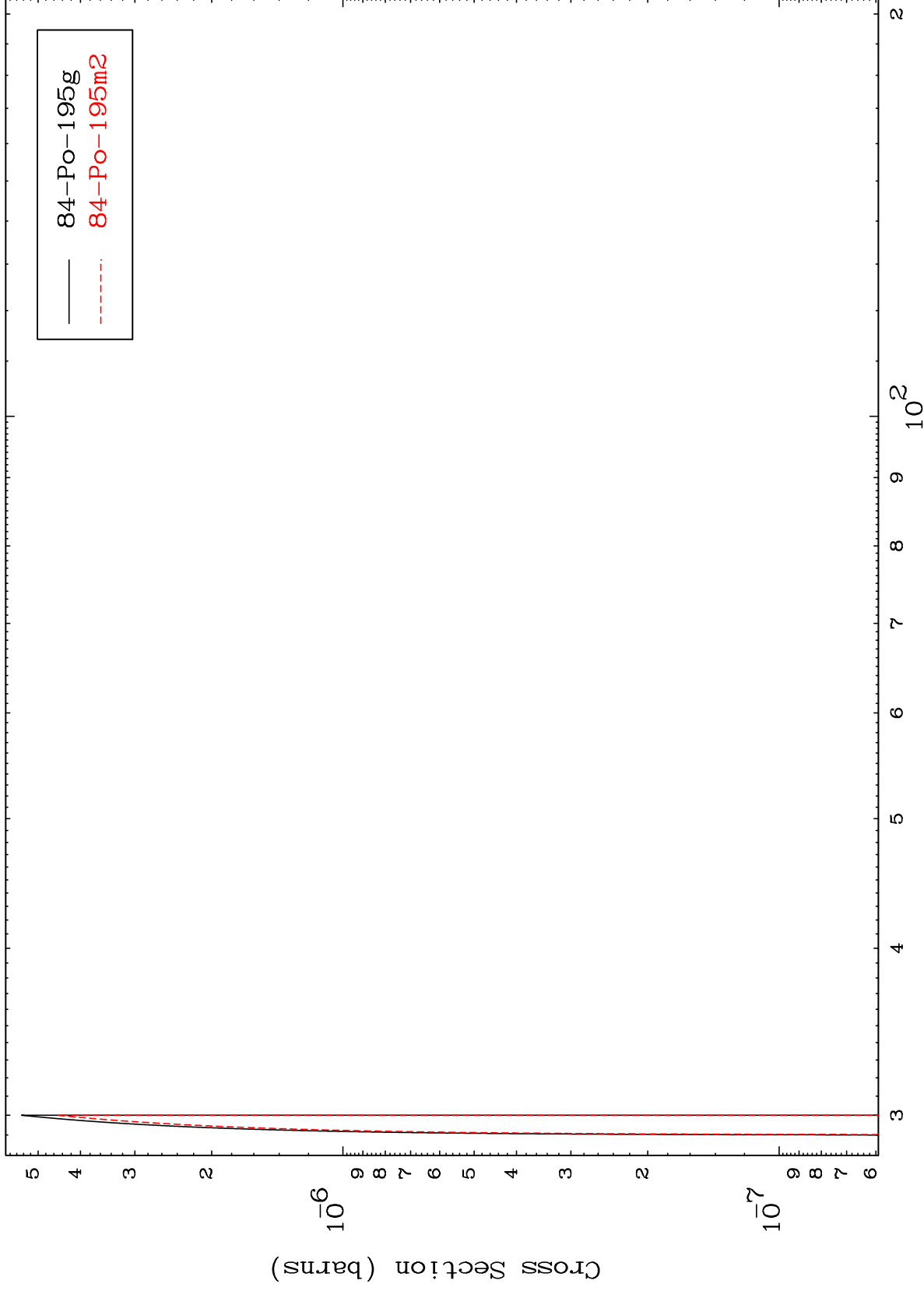
Incident Energy (MeV)

84-Po-198

MAT 8401

84-Po-198

(n,4n)  
Radionuclide Production Cross Section

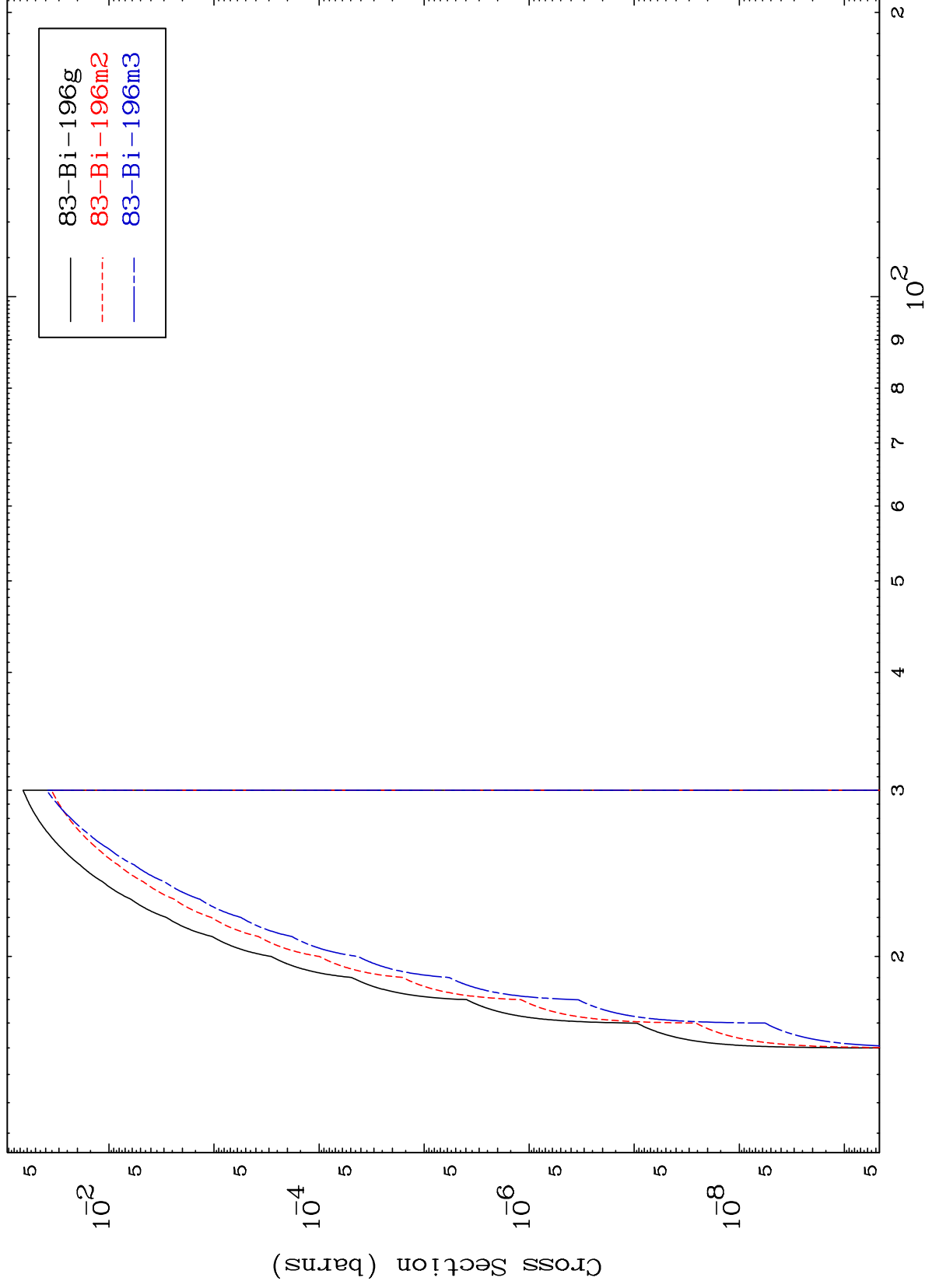


102

Incident Energy (MeV)

84-Po-198

Radionuclide Production Cross Section



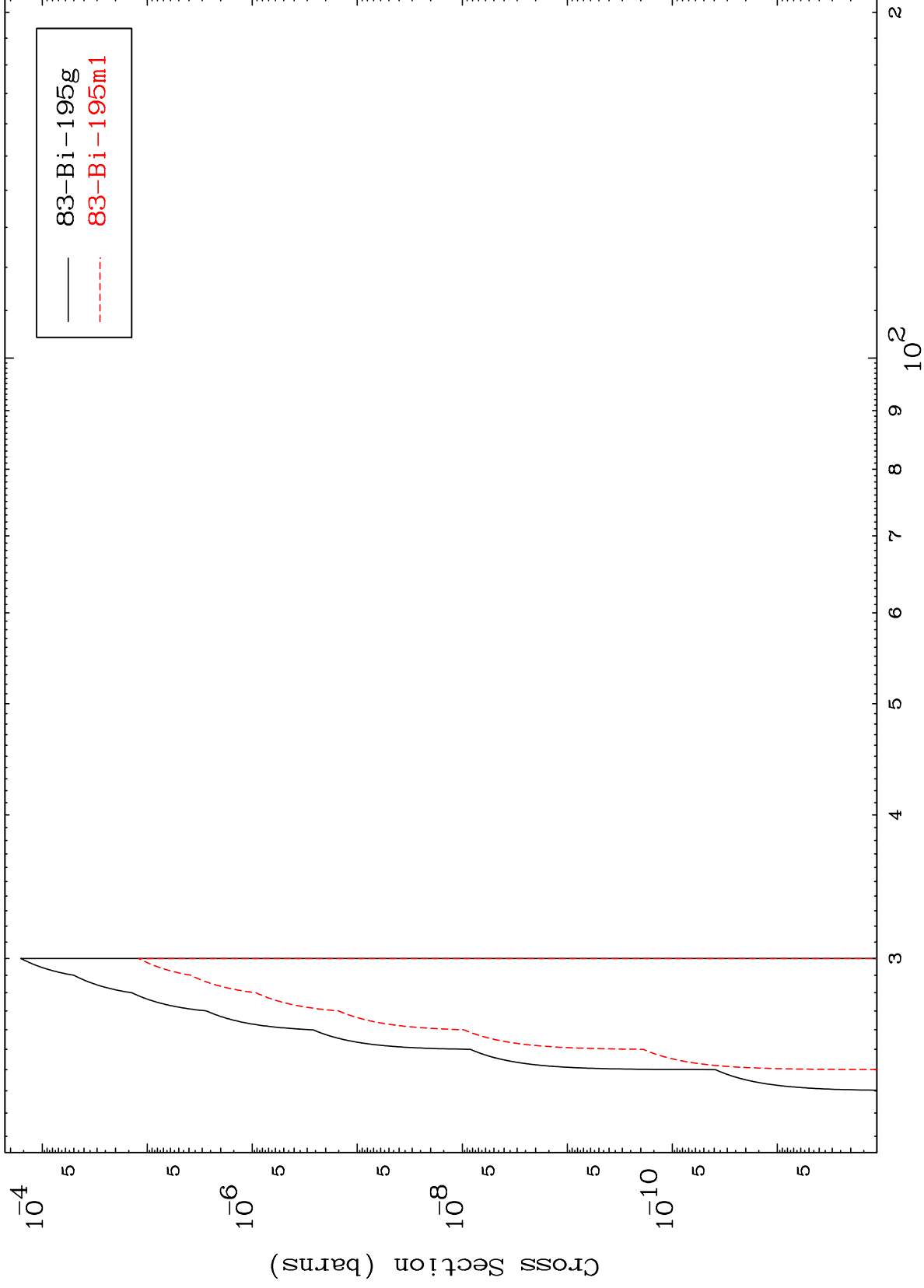


MAT 8401

(n,3n) p

84-Po-198

Radionuclide Production Cross Section



104

Incident Energy (MeV)

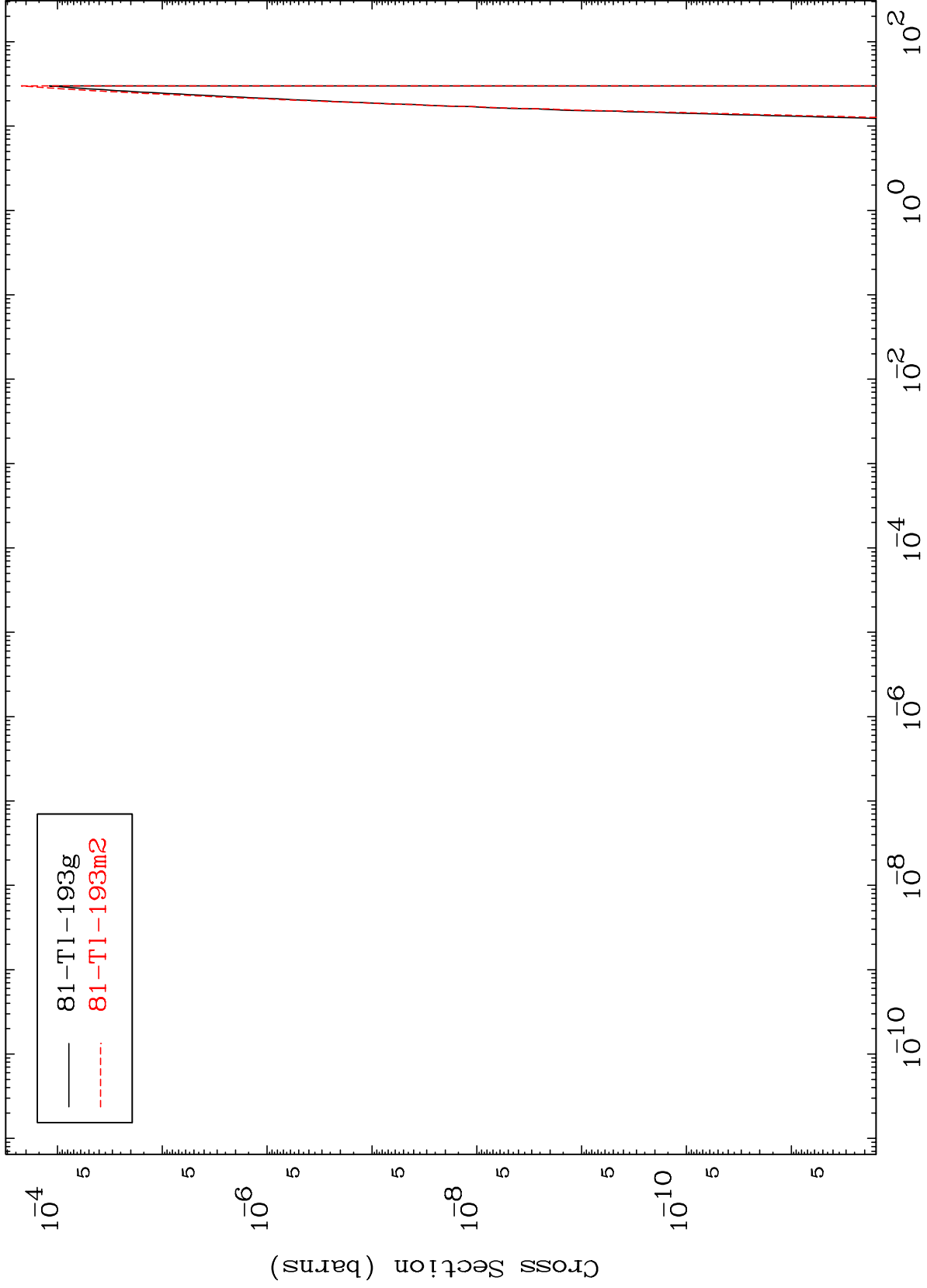
84-Po-198

MAT 8401

(n,n') p  $\alpha$

84-Po-198

Radionuclide Production Cross Section



105

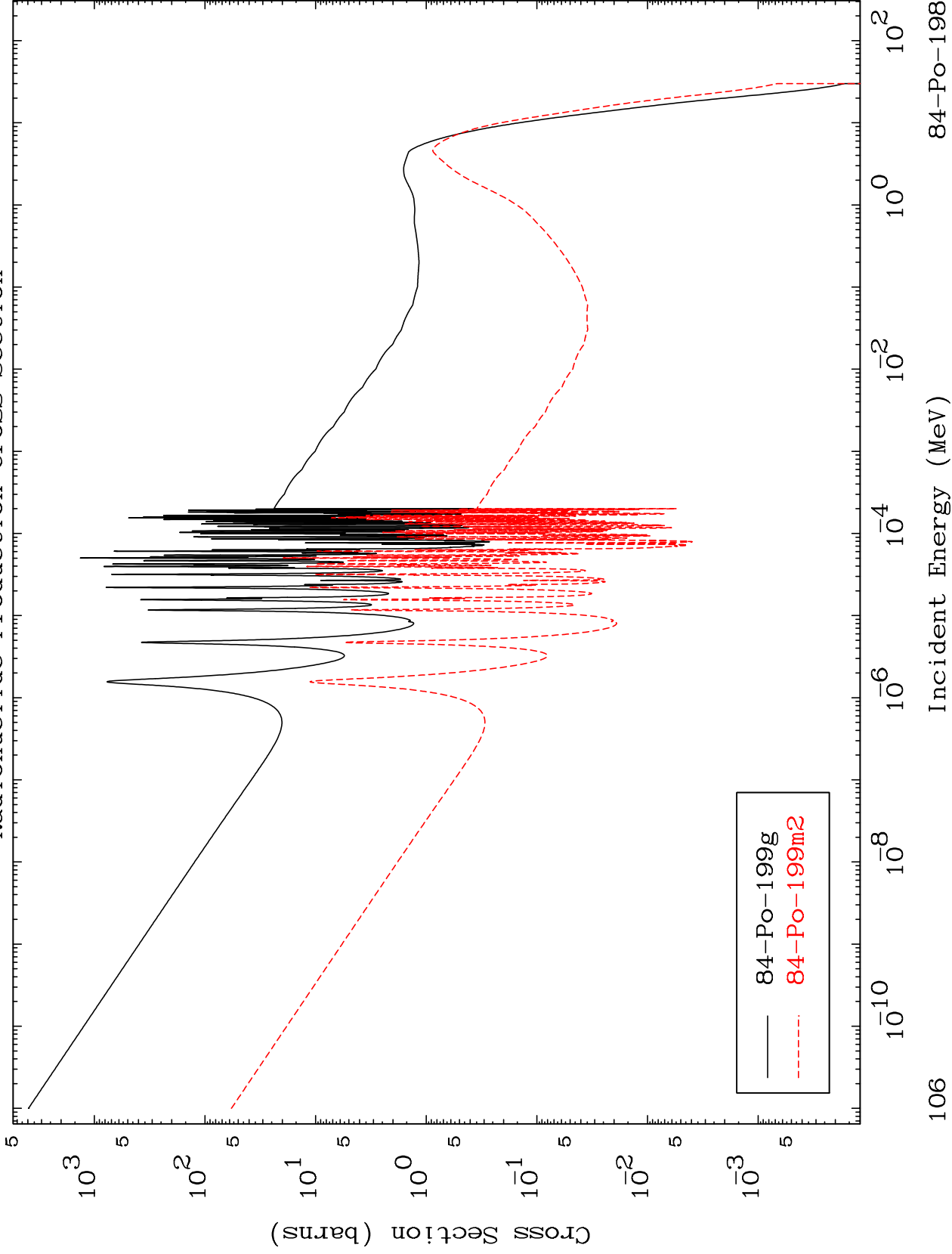
Incident Energy (MeV)

84-Po-198

MAT 8401

84-Po-198

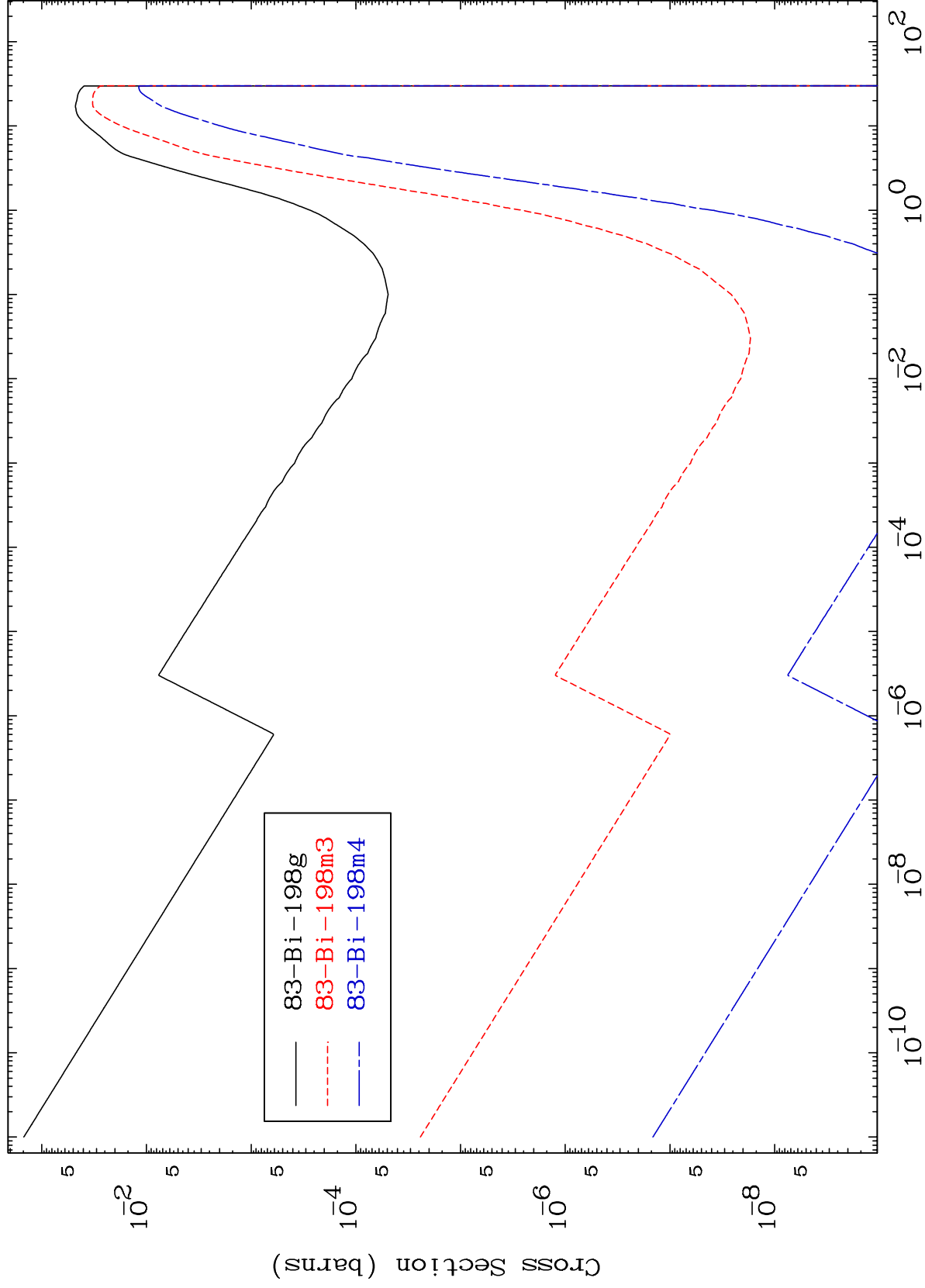
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 8401

84-Po-198

(n,p)  
Radionuclide Production Cross Section



107

Incident Energy (MeV)

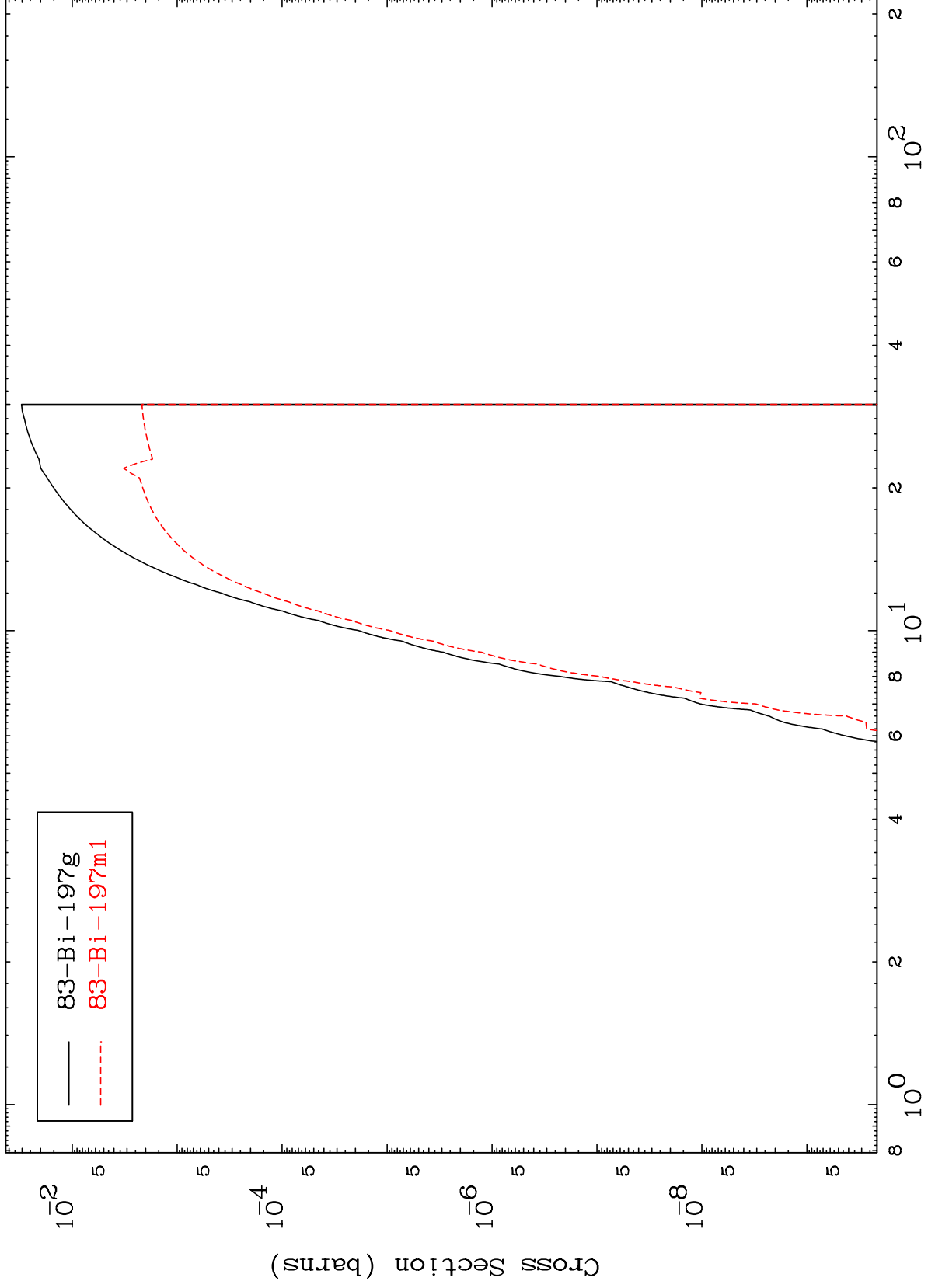
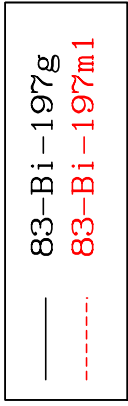
84-Po-198

MAT 8401

(n,d)

84-Po-198

Radionuclide Production Cross Section



Incident Energy (MeV)

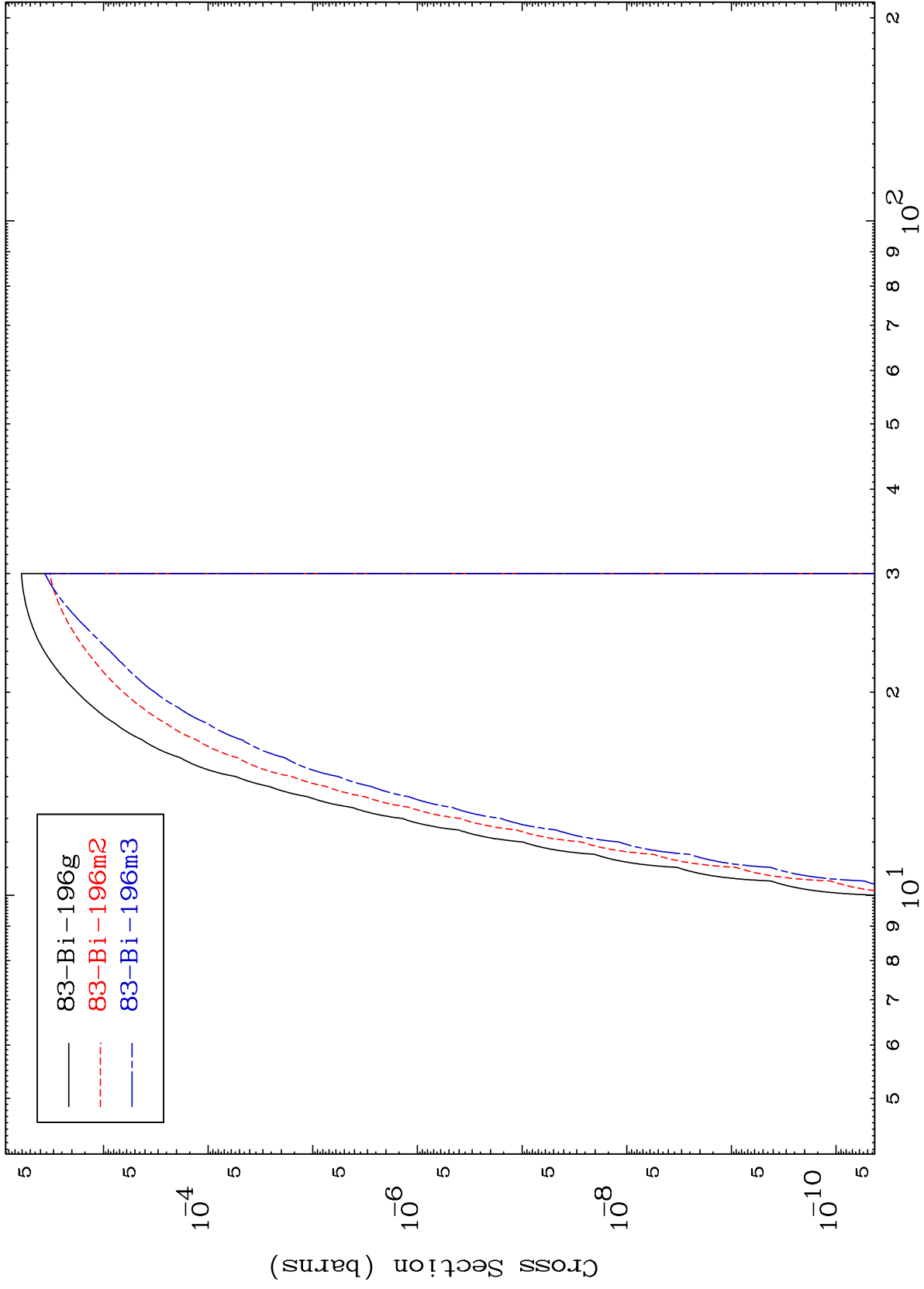
84-Po-198

108

MAT 8401

84-Po-198

(n, t)  
Radionuclide Production Cross Section



109

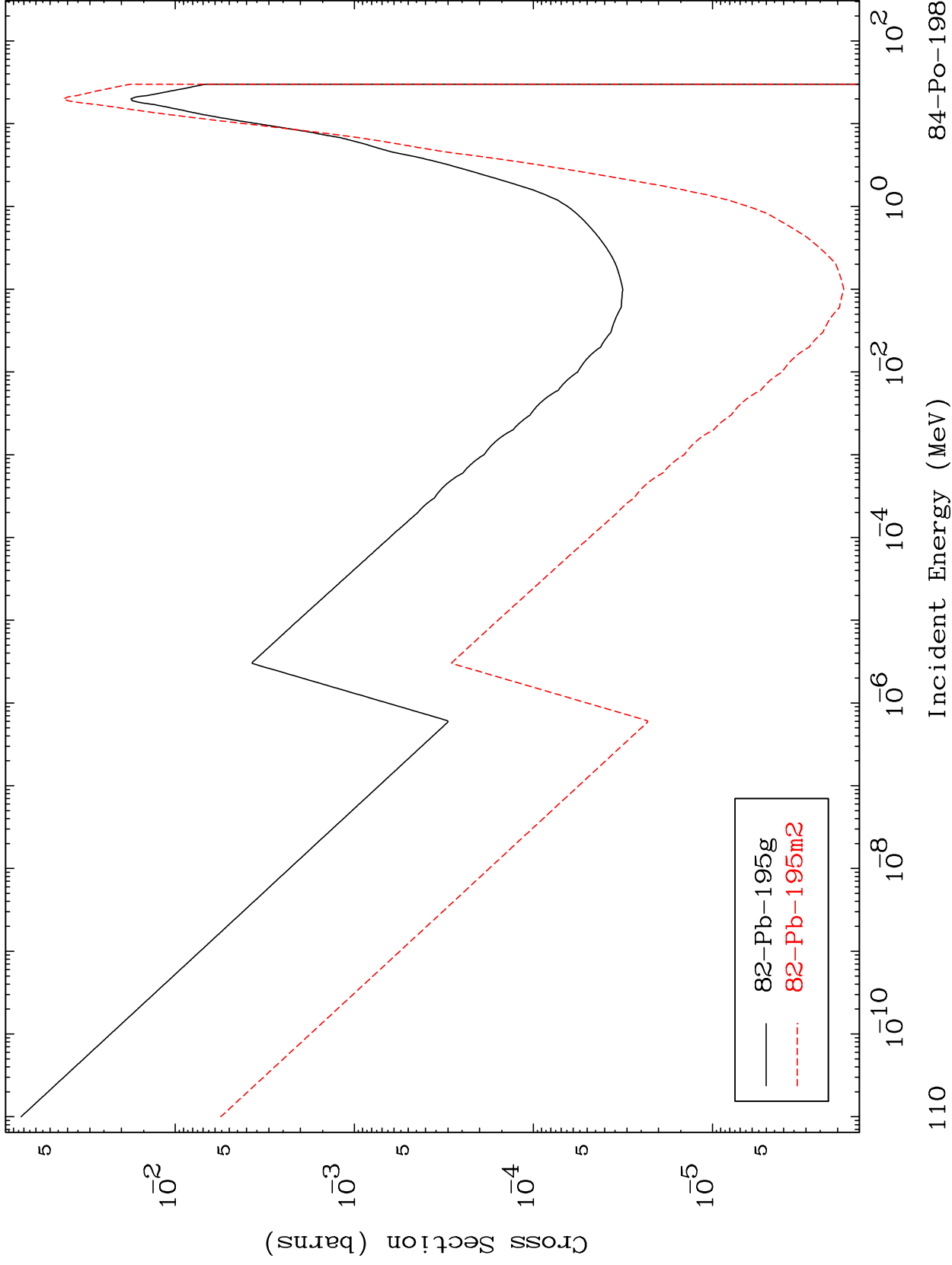
Incident Energy (MeV)

84-Po-198

MAT 8401

84-Po-198

Radionuclide Production Cross Section  
(n,  $\alpha$ )

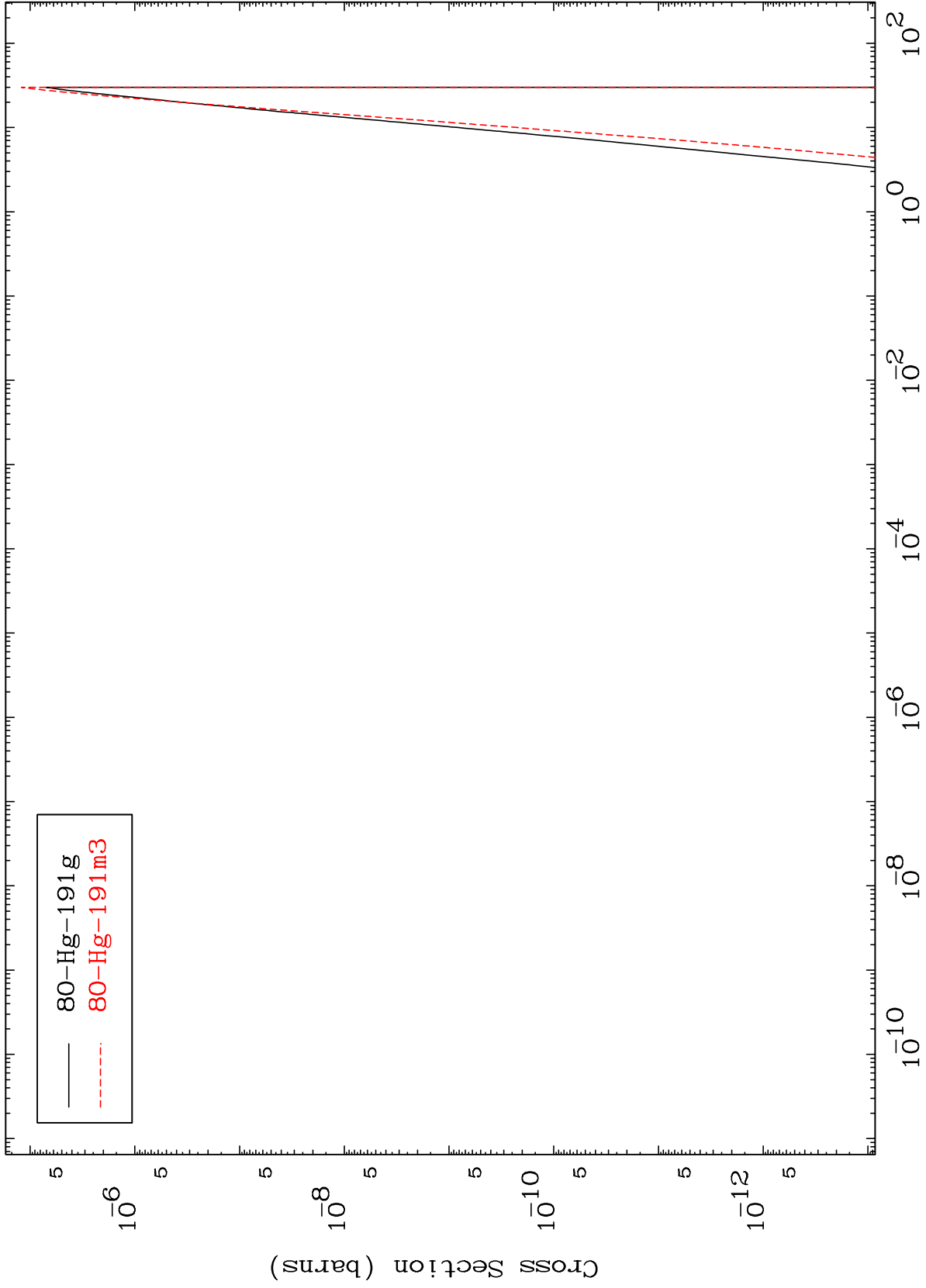


MAT 8401

(n,2α)

84-Po-198

Radionuclide Production Cross Section



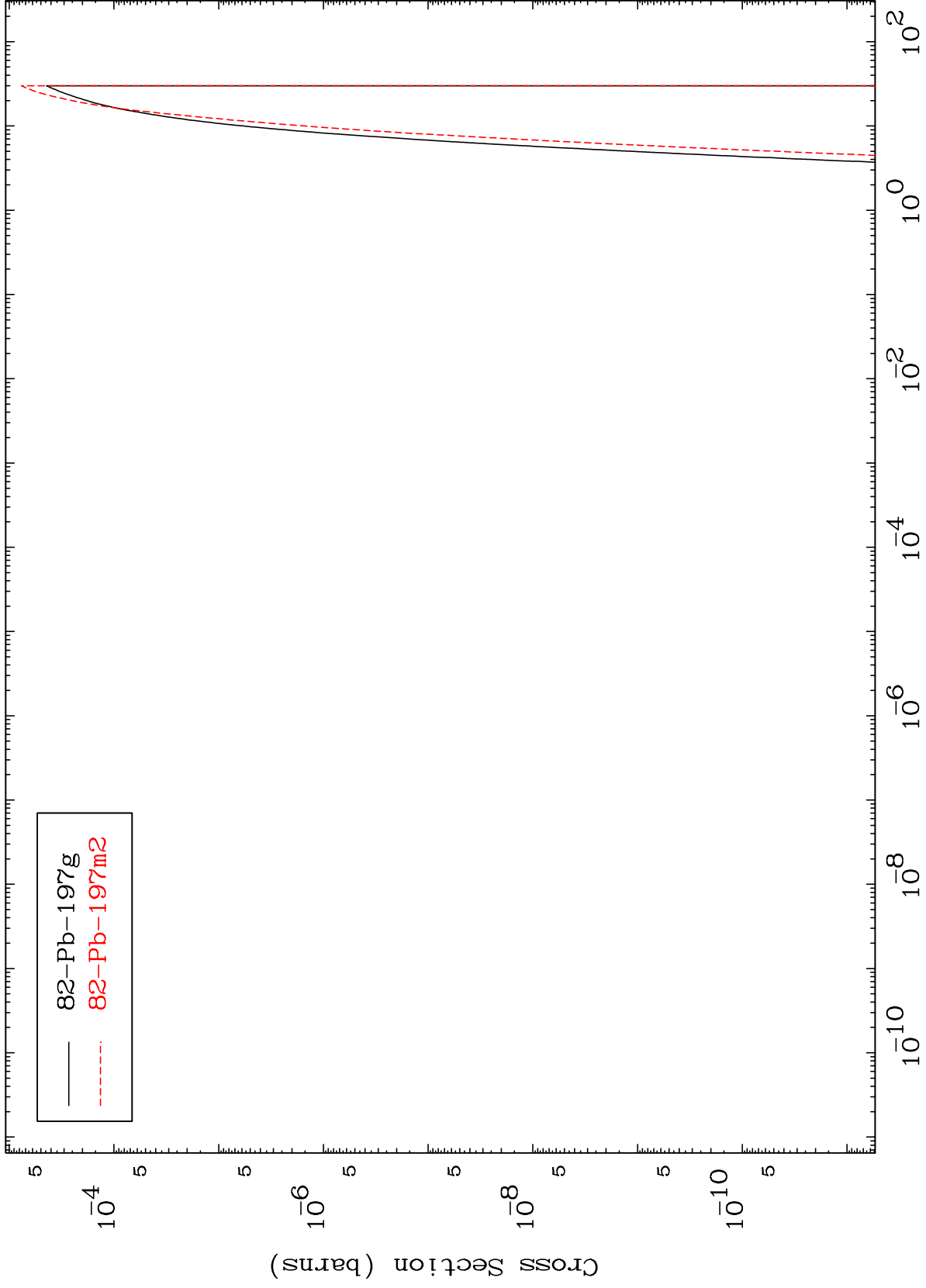


MAT 8401

(n,2p)

84-Po-198

Radionuclide Production Cross Section



112

Incident Energy (MeV)

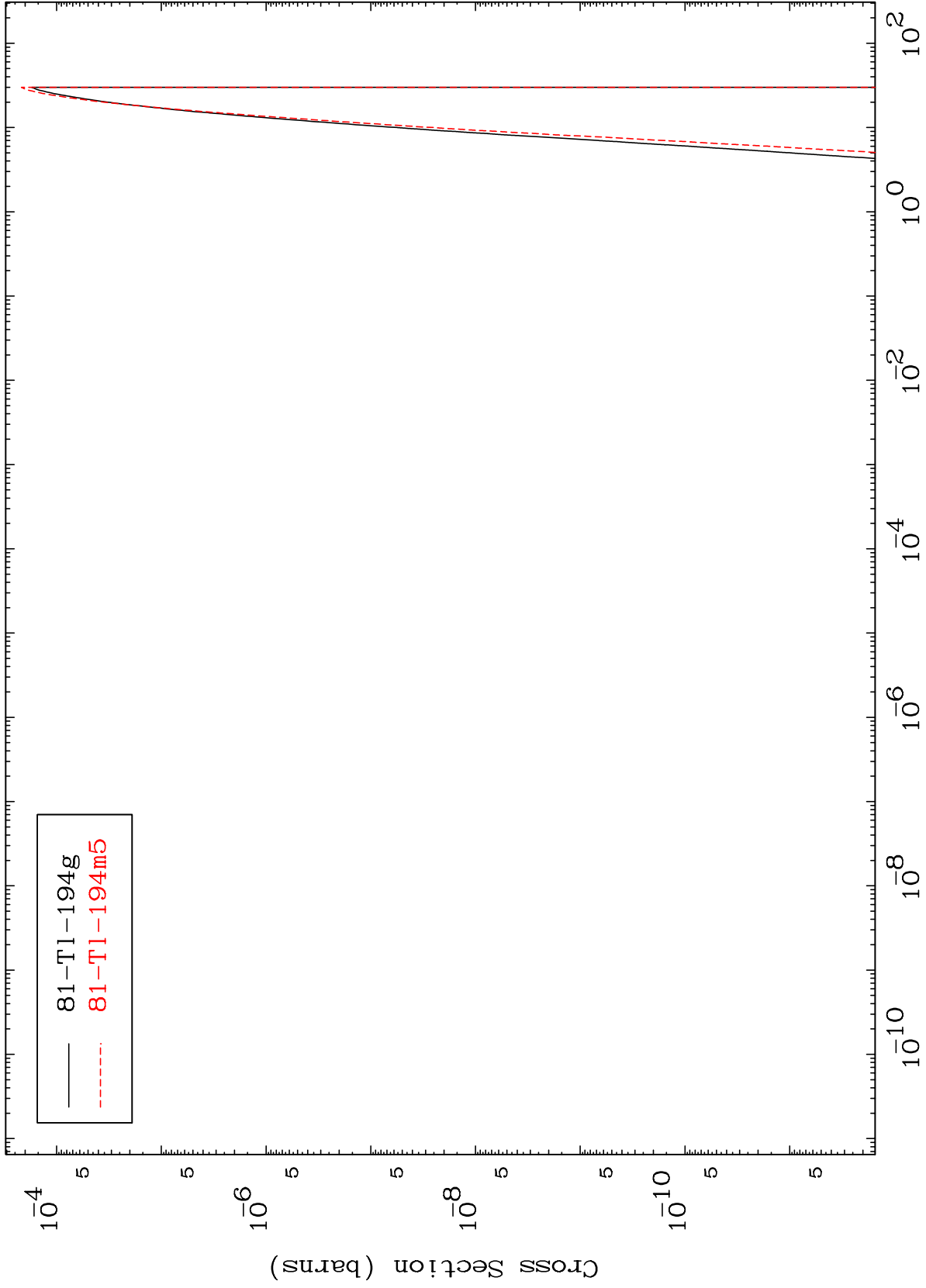
84-Po-198

MAT 8401

(n,p)  $\alpha$

84-Po-198

Radionuclide Production Cross Section

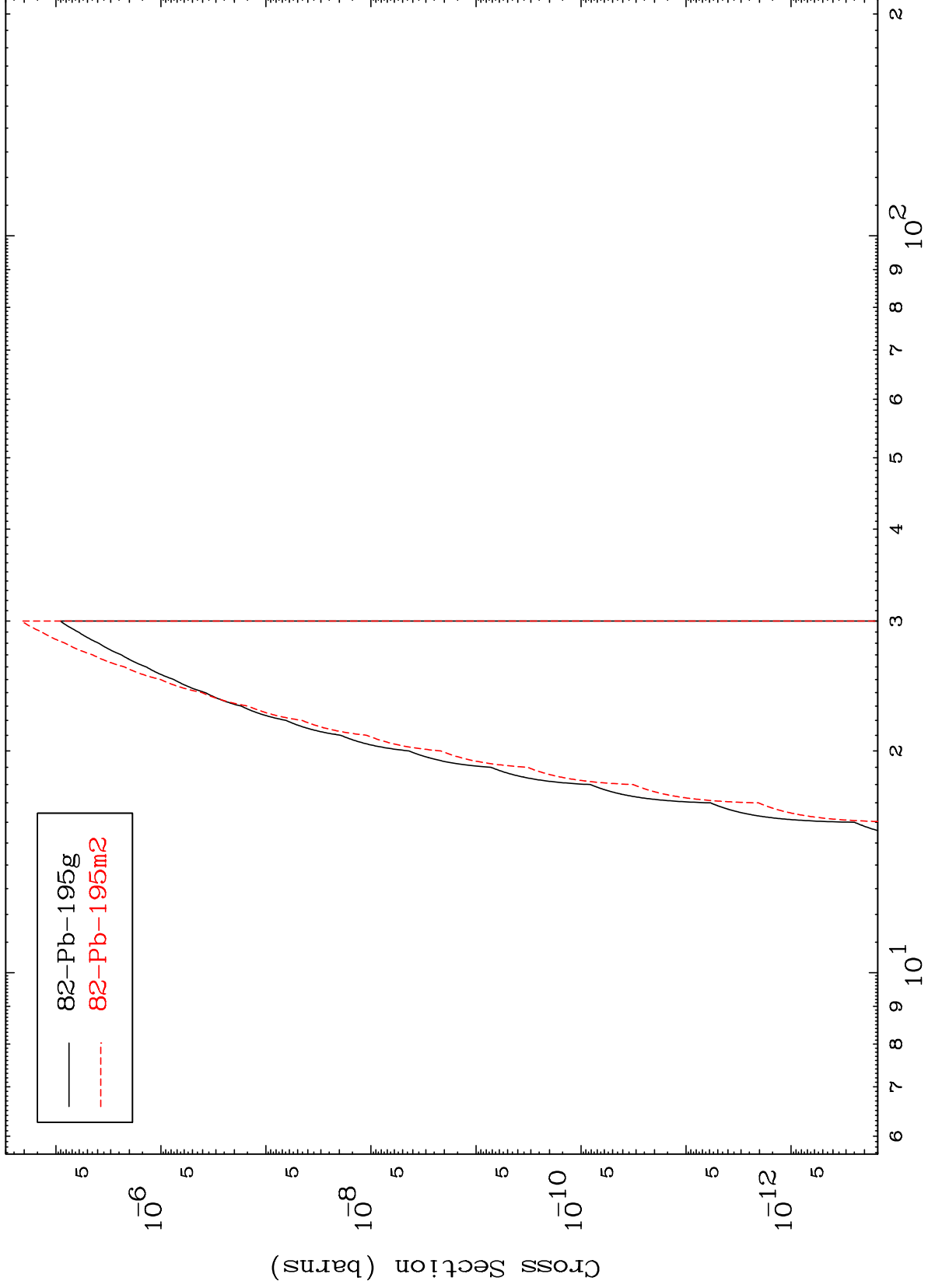


MAT 8401

(n,p) t

84-Po-198

Radionuclide Production Cross Section



114

Incident Energy (MeV)

84-Po-198

MAT 8401

(n,d)  $\alpha$

84-Po-198

Radionuclide Production Cross Section

