

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

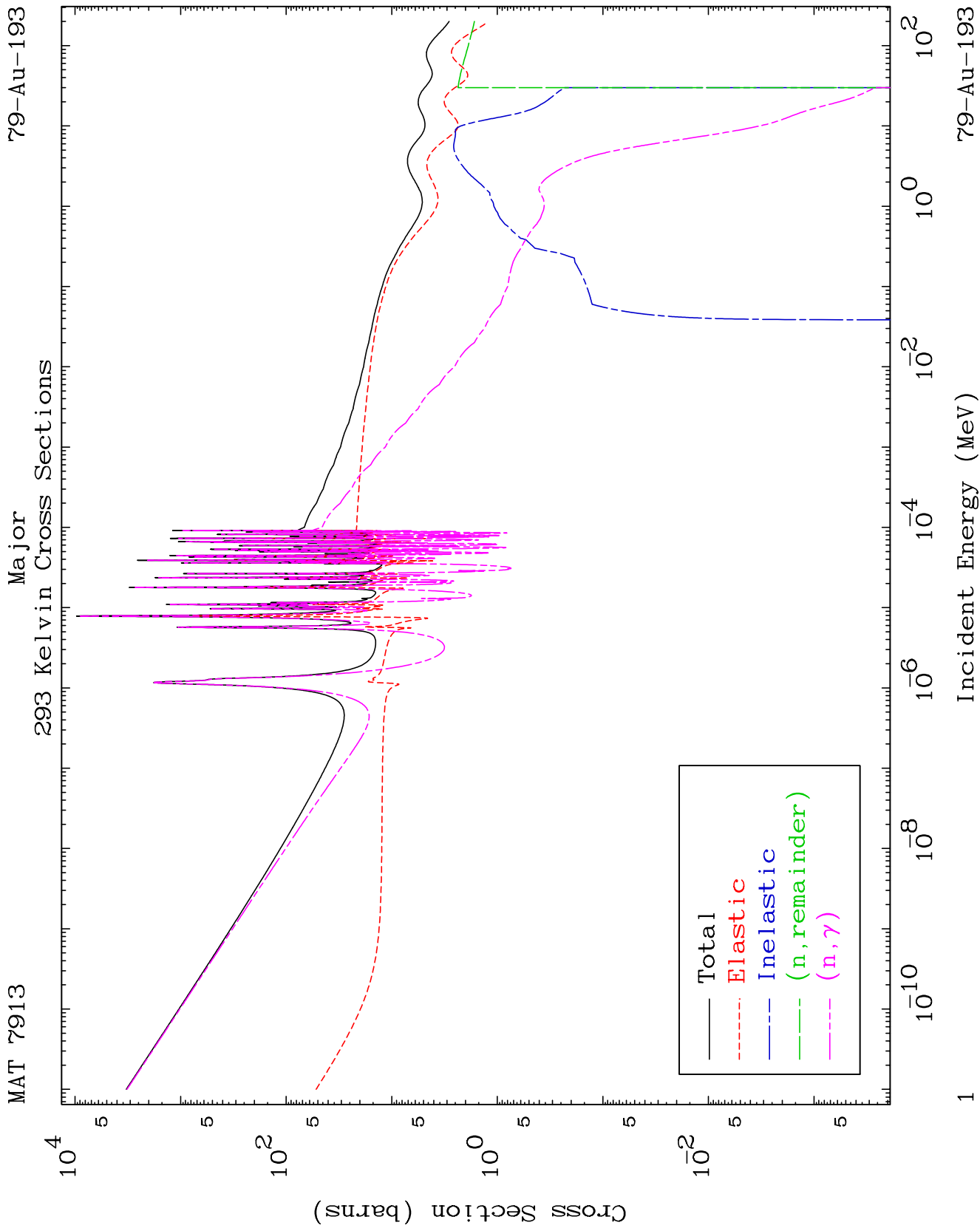
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

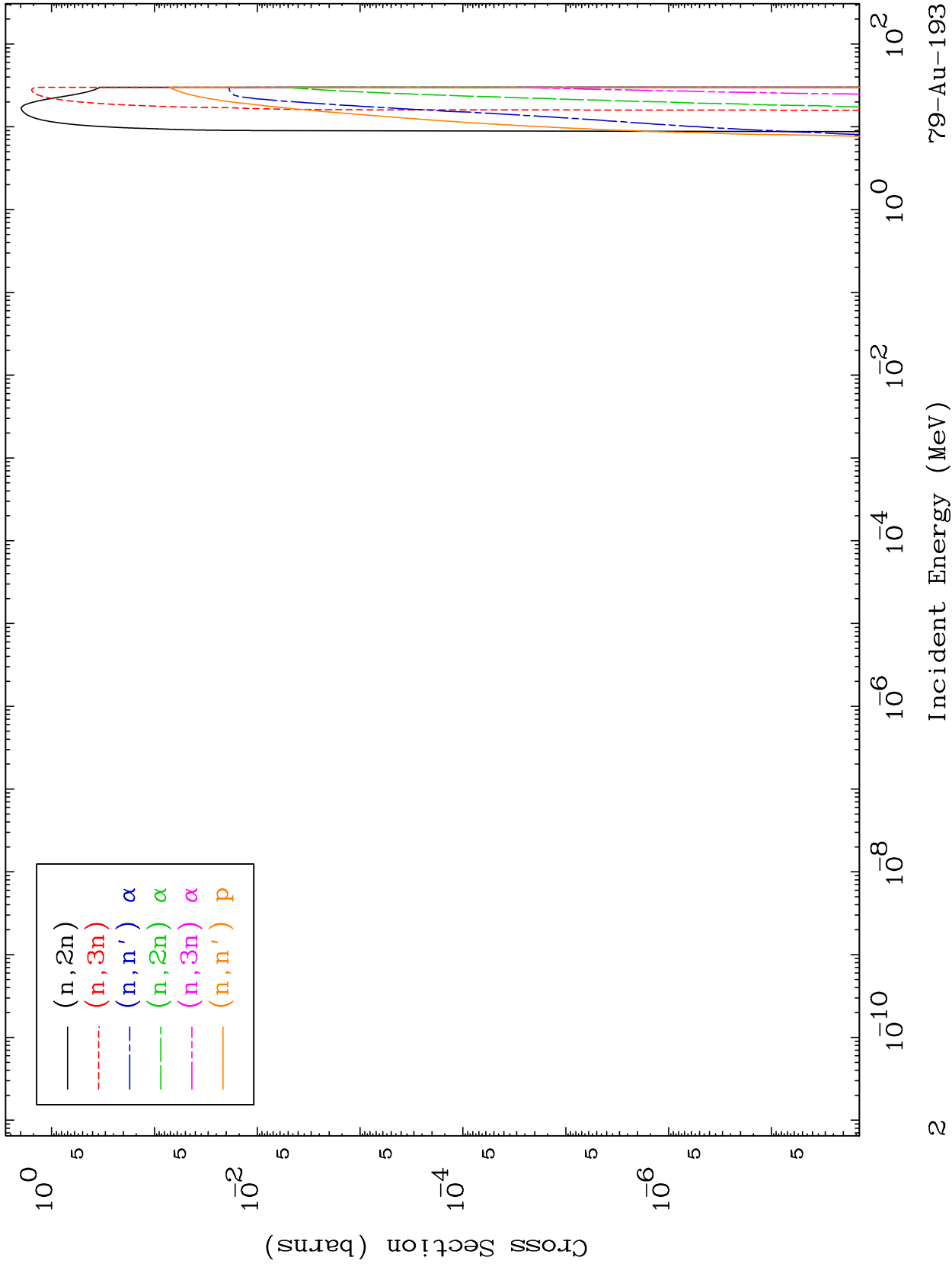
Press Mouse Button to Start

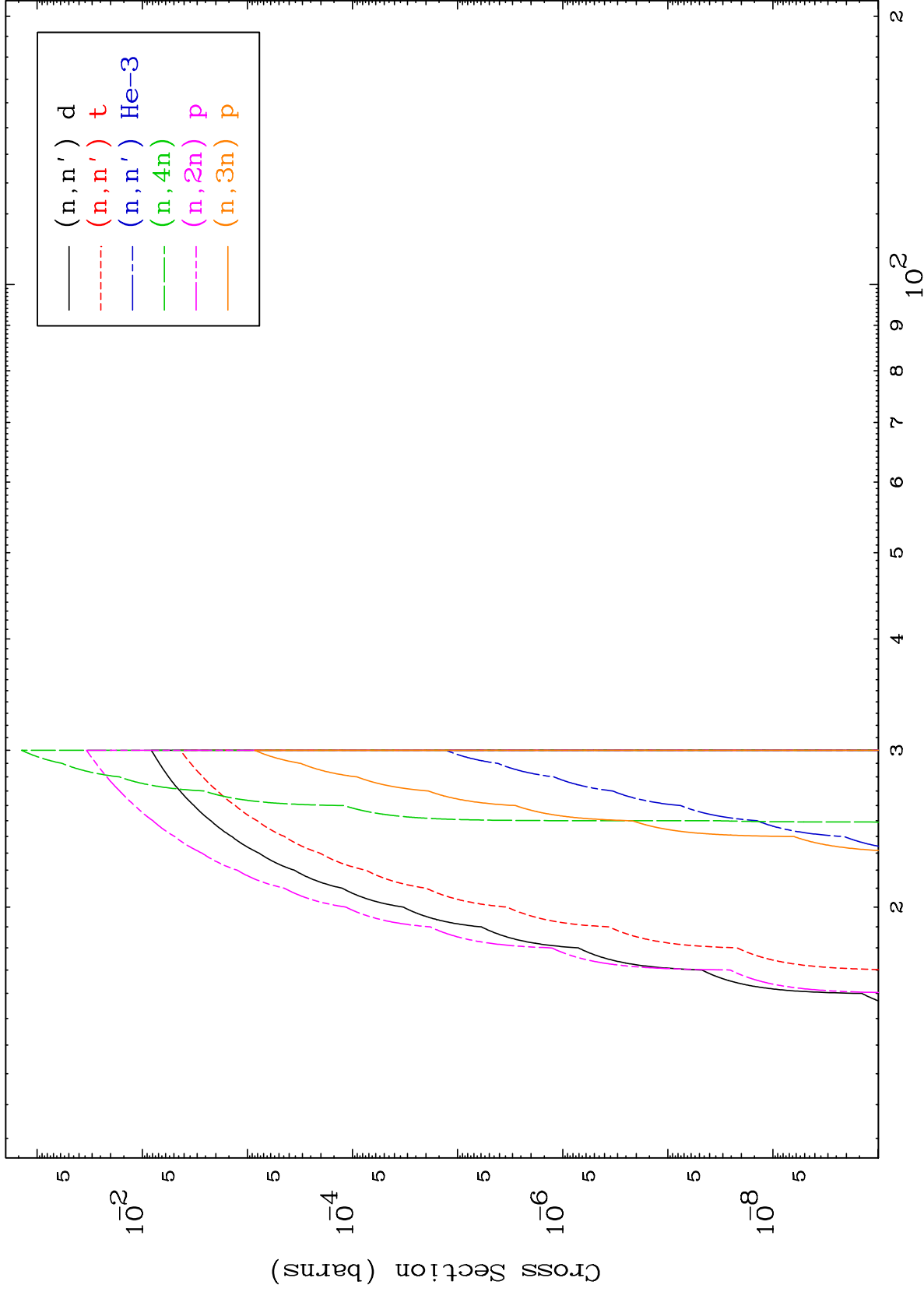


MAT 7913

Neutron Production
293 Kelvin Cross Sections

79-Au-193

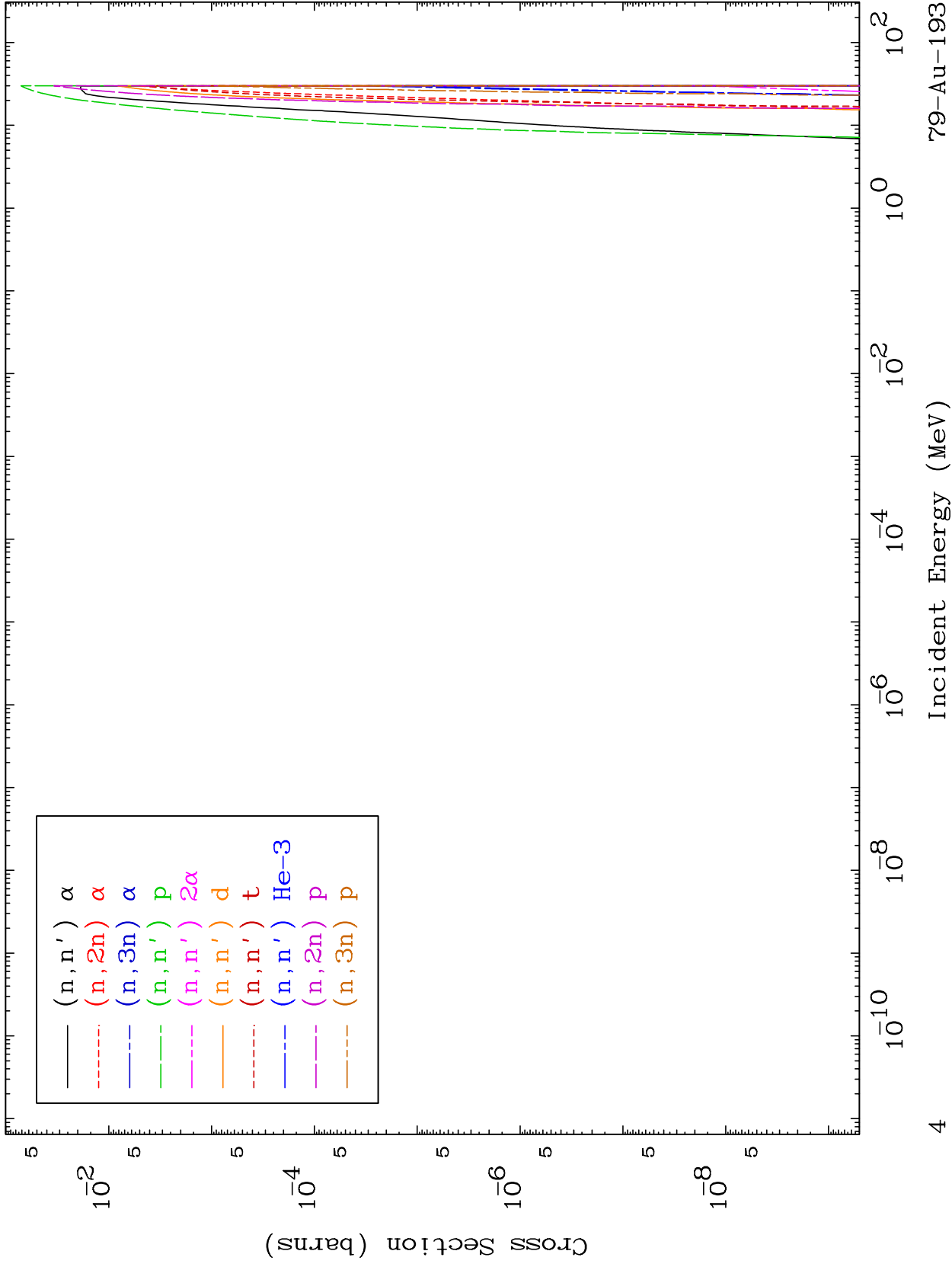


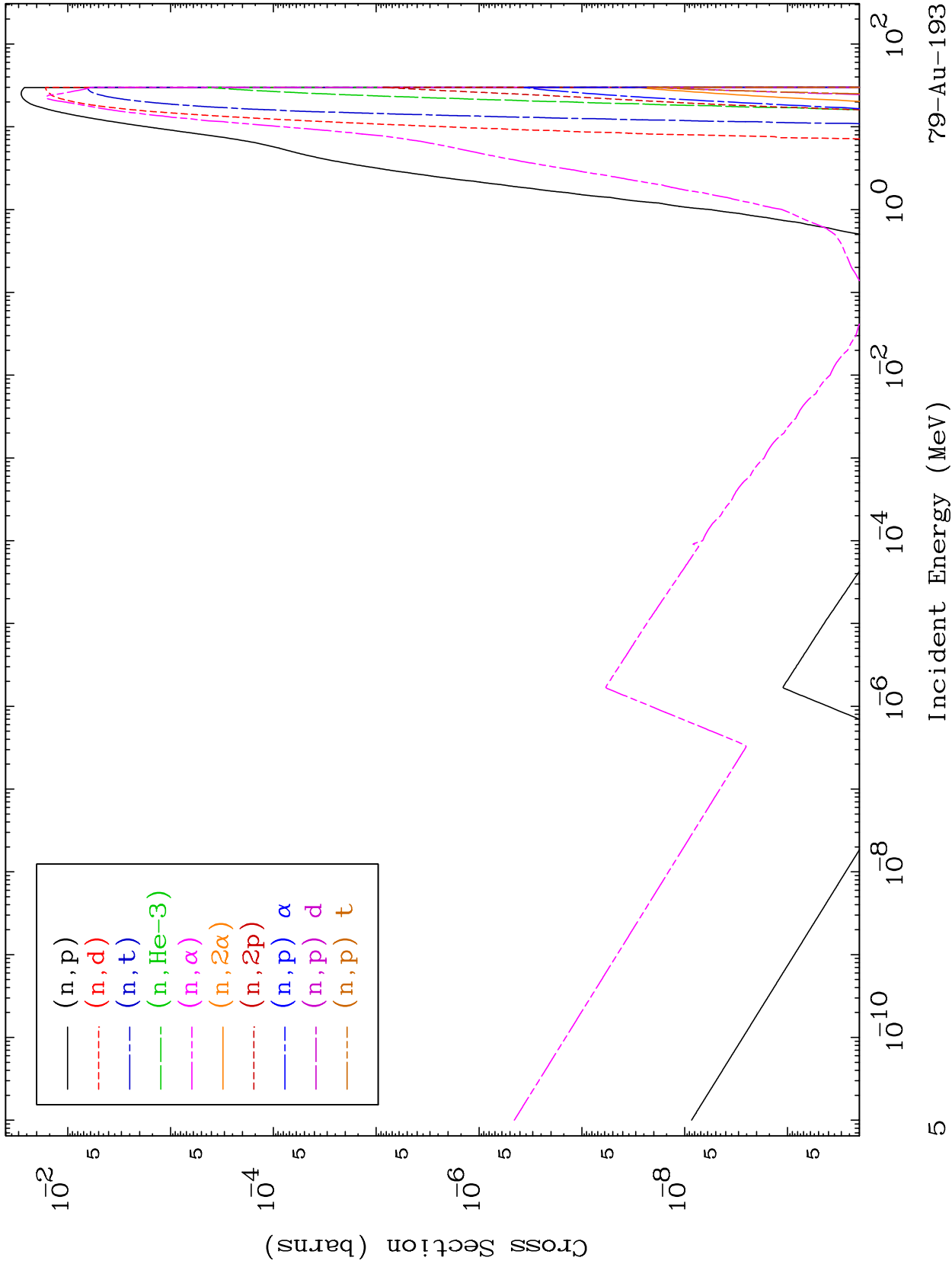


MAT 7913

Charged Particle
293 Kelvin Cross Sections

79-Au-193

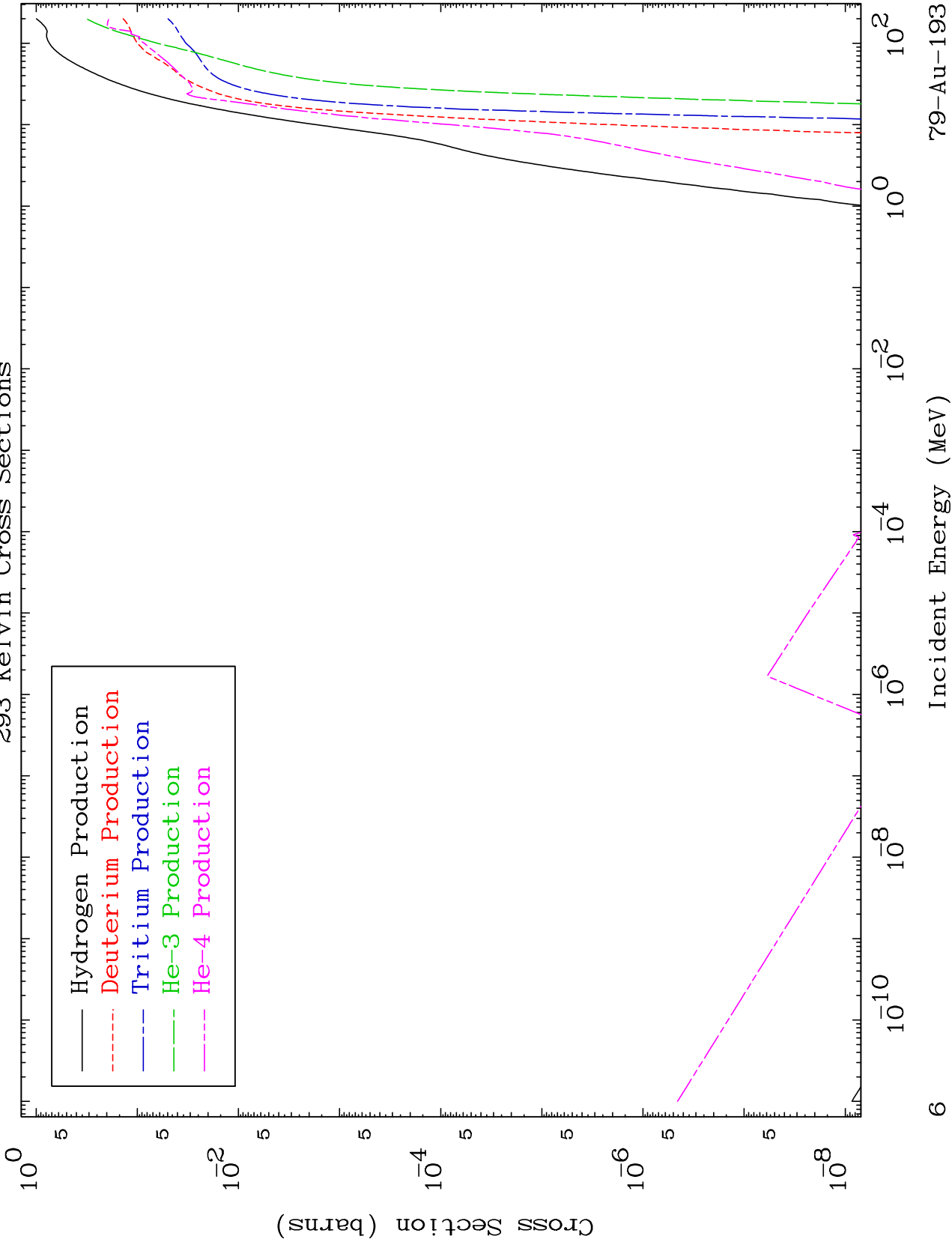




MAT 7913

Particle Production
293 Kelvin Cross Sections

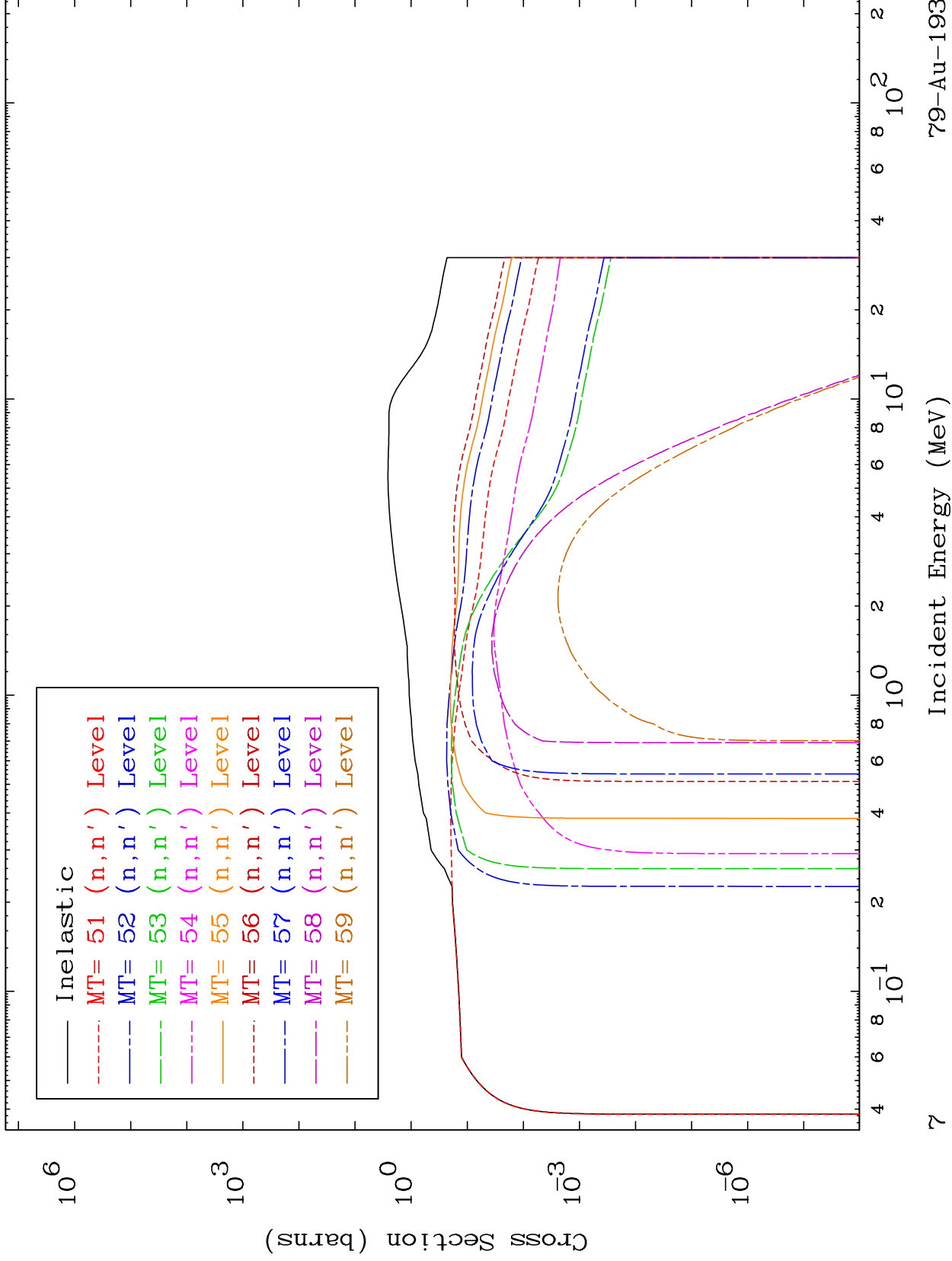
79-Au-193



MAT 7913

(n,n') Level
293 Kelvin Cross Sections

79-Au-193

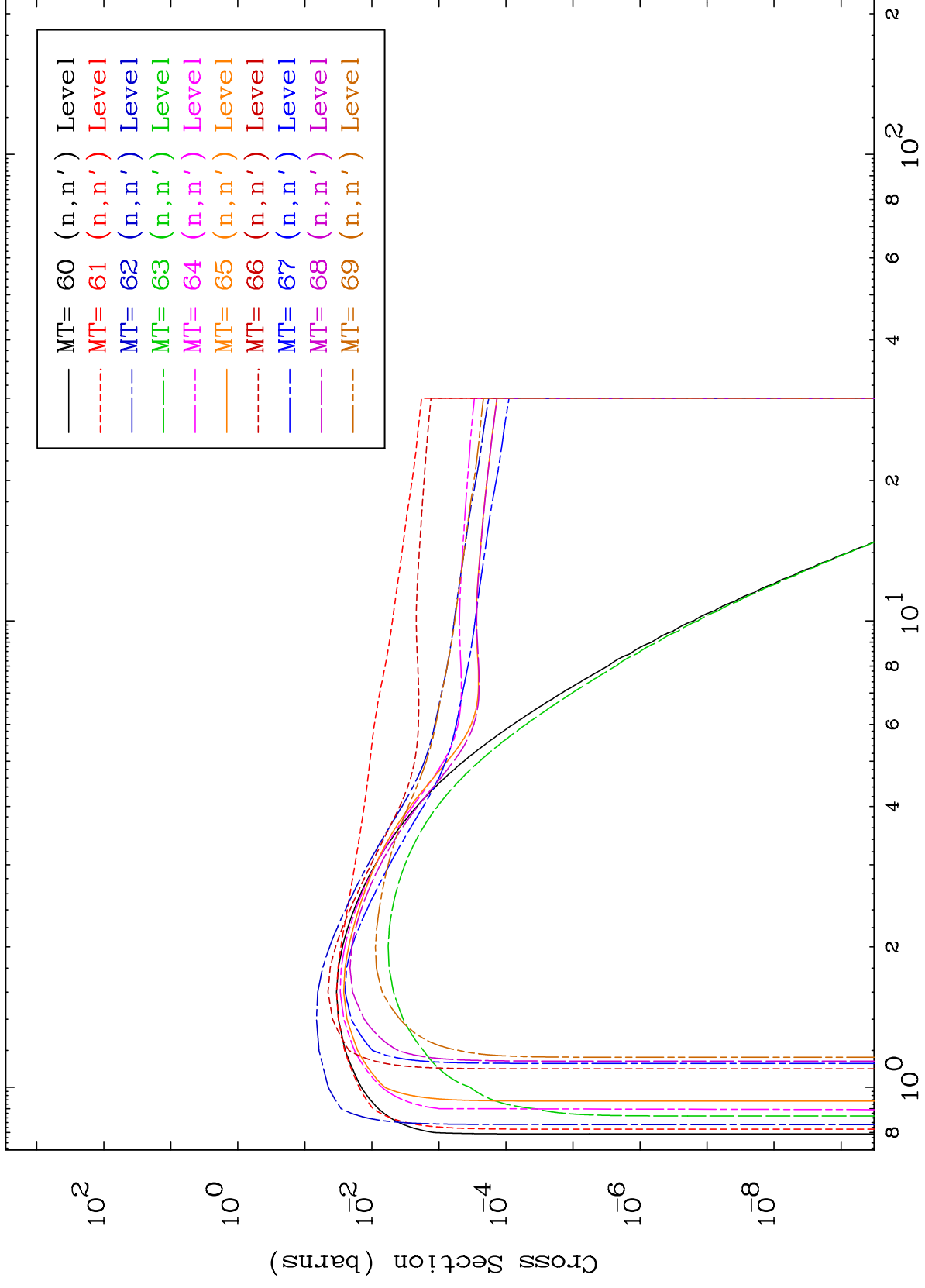


MAT 7913

(n,n') Level

79-Au-193

293 Kelvin Cross Sections

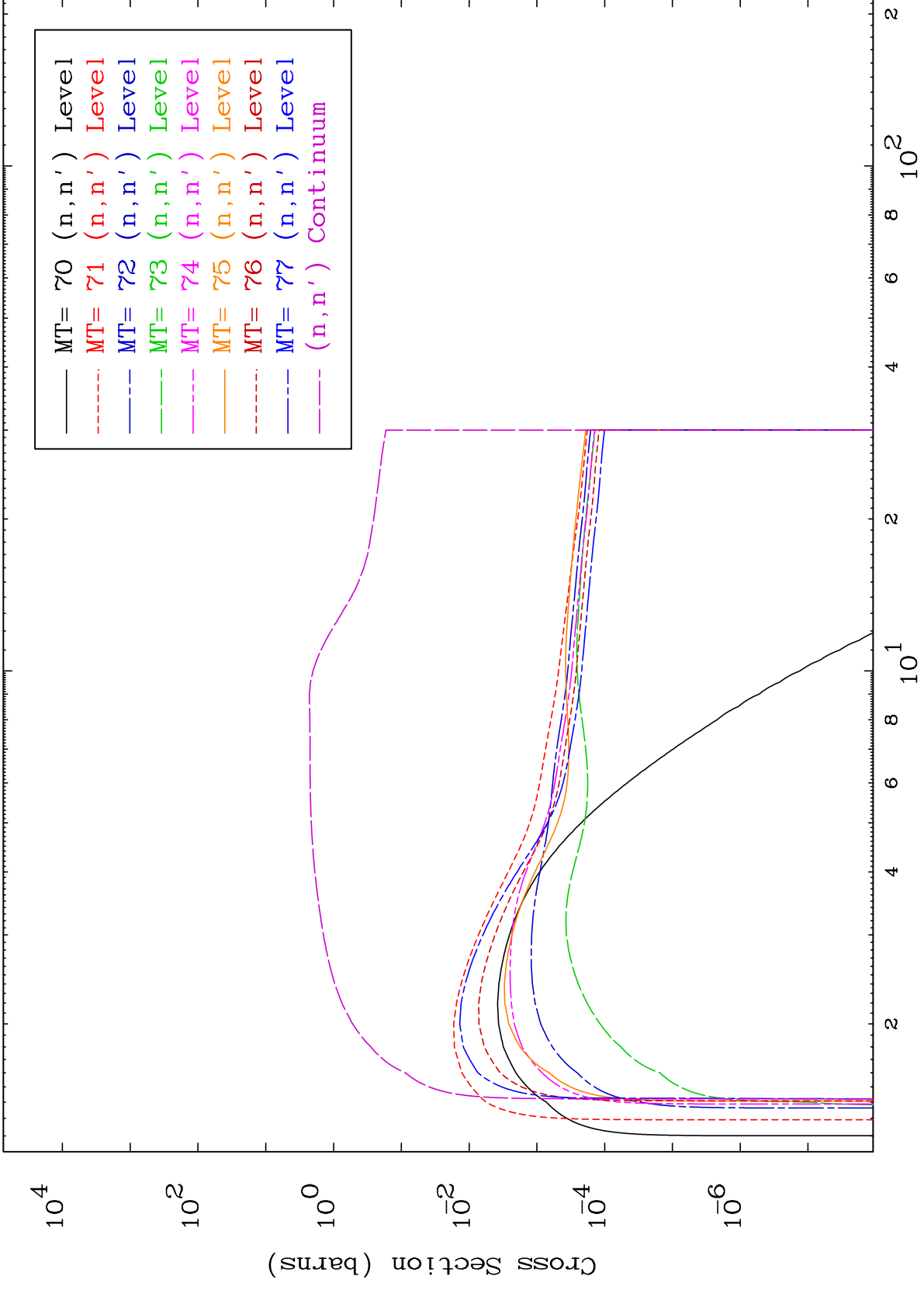


8

Incident Energy (MeV)

79-Au-193

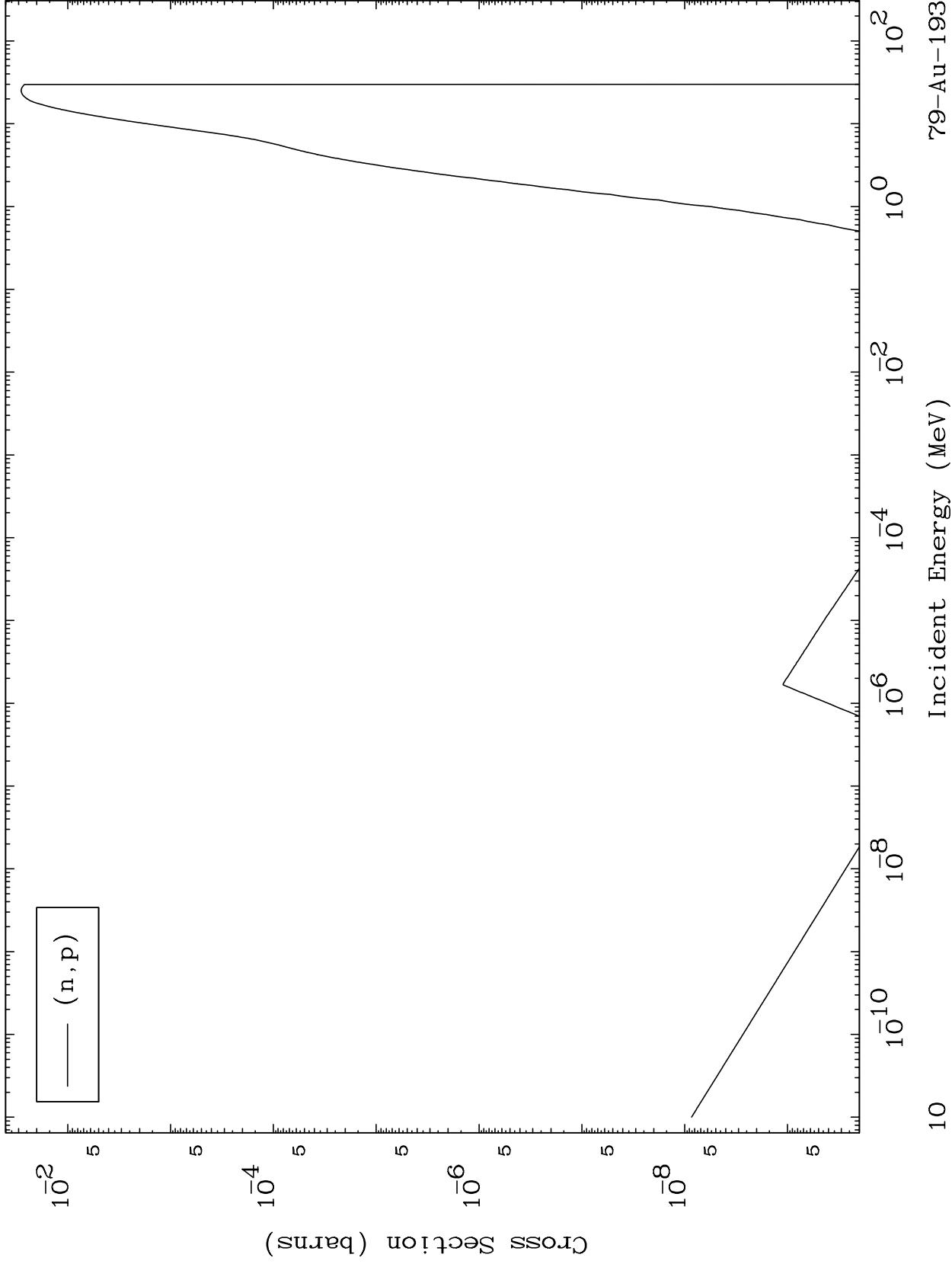
293 Kelvin Cross Sections



MAT 7913

(n,p) Levels
293 Kelvin Cross Sections

79-Au-193



79-Au-193

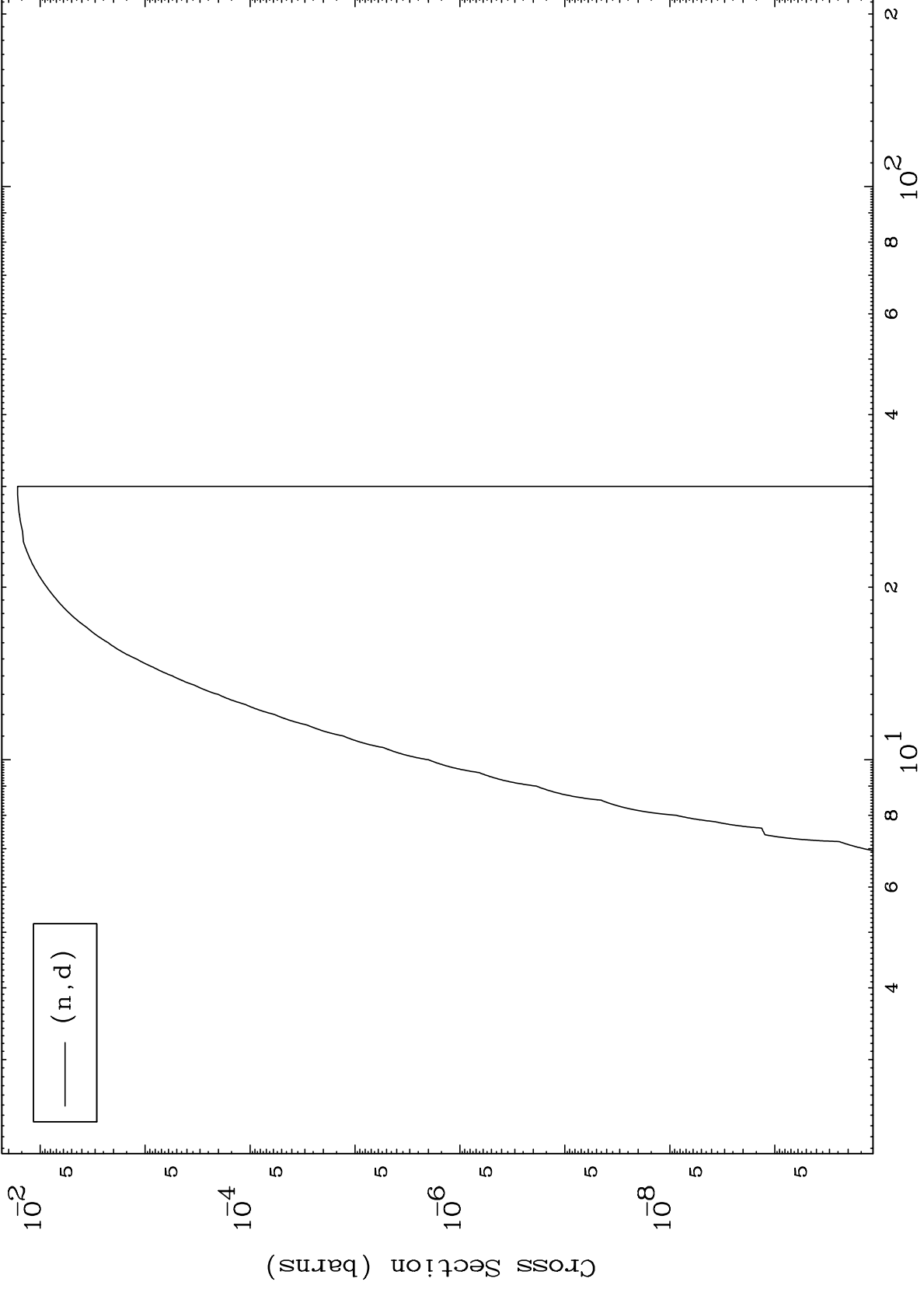
Incident Energy (MeV)

10

MAT 7913

(n,d) Levels
293 Kelvin Cross Sections

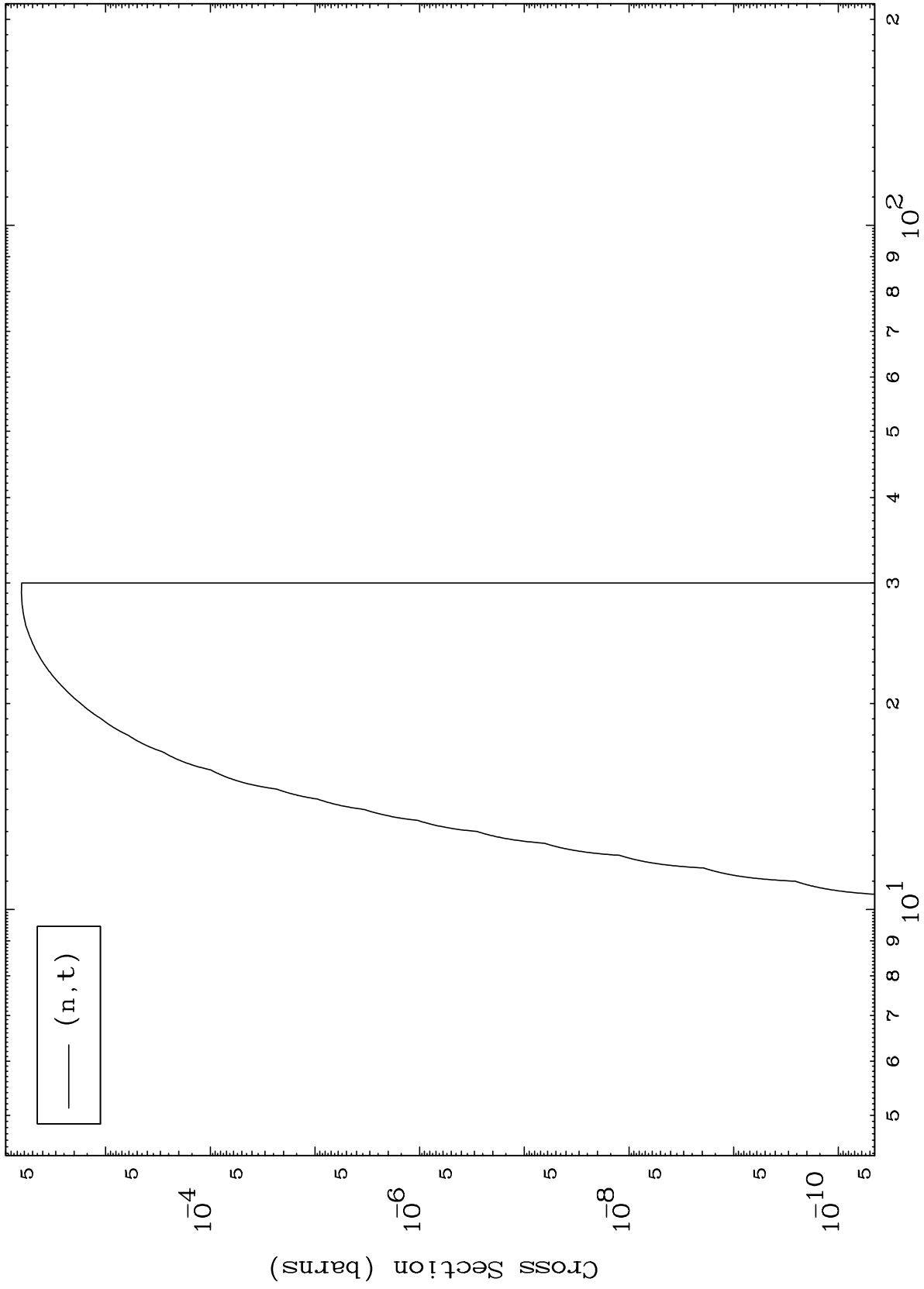
79-Au-193



MAT 7913

(n,t) Levels
293 Kelvin Cross Sections

79-Au-193



12

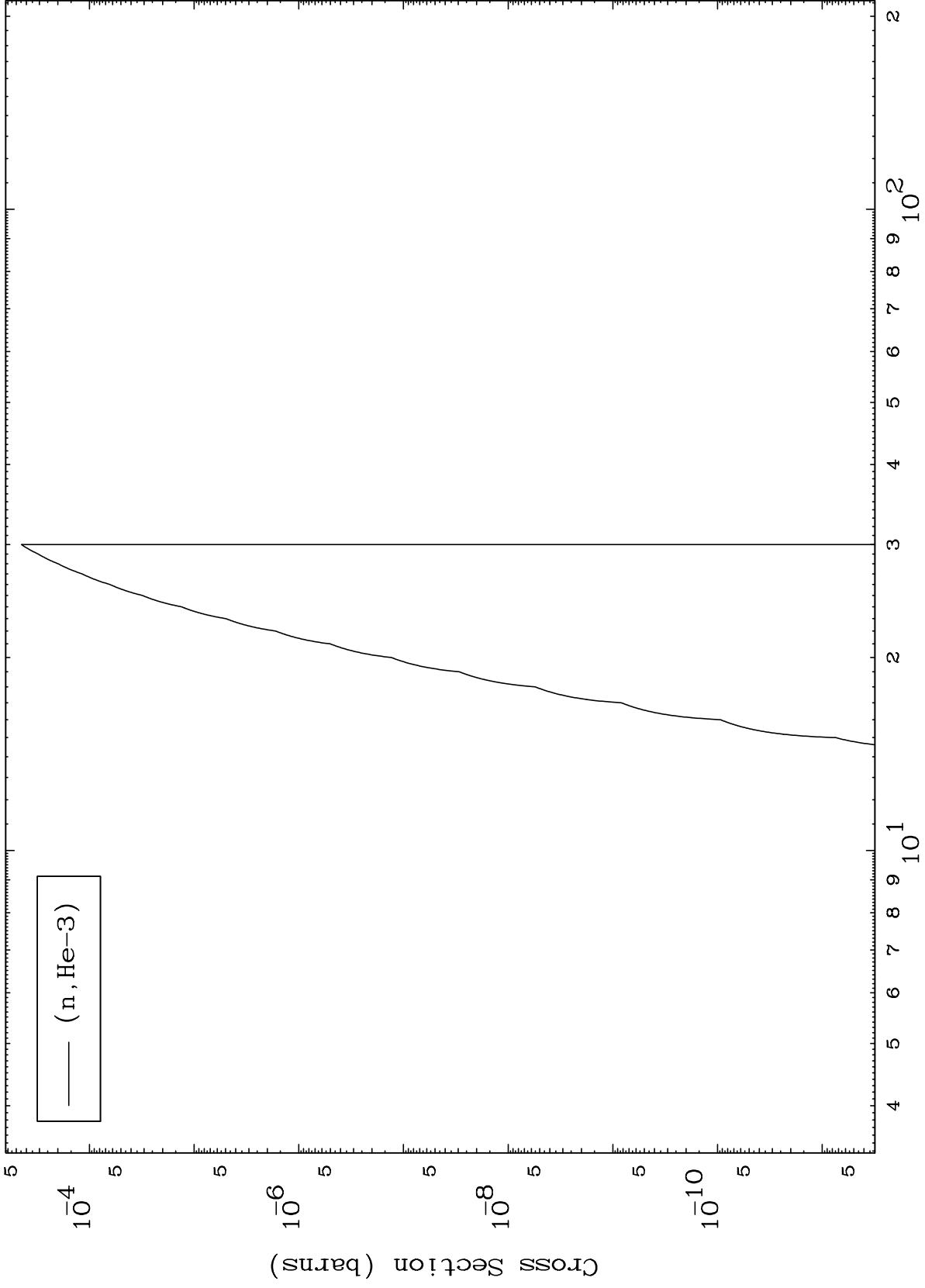
Incident Energy (MeV)

79-Au-193

MAT 7913

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-193



13

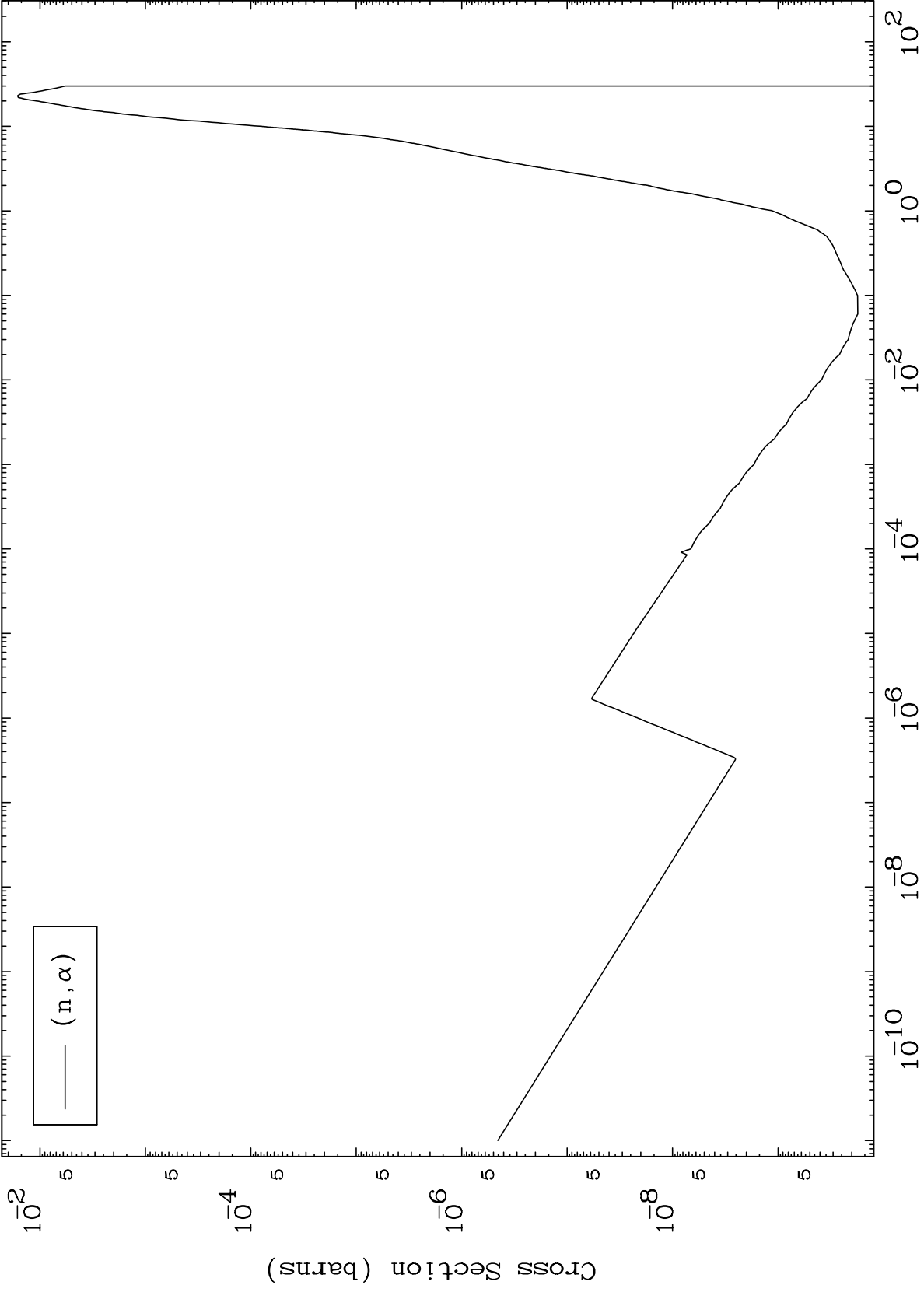
Incident Energy (MeV)

79-Au-193

MAT 7913

(n, α) Levels
293 Kelvin Cross Sections

79-Au-193

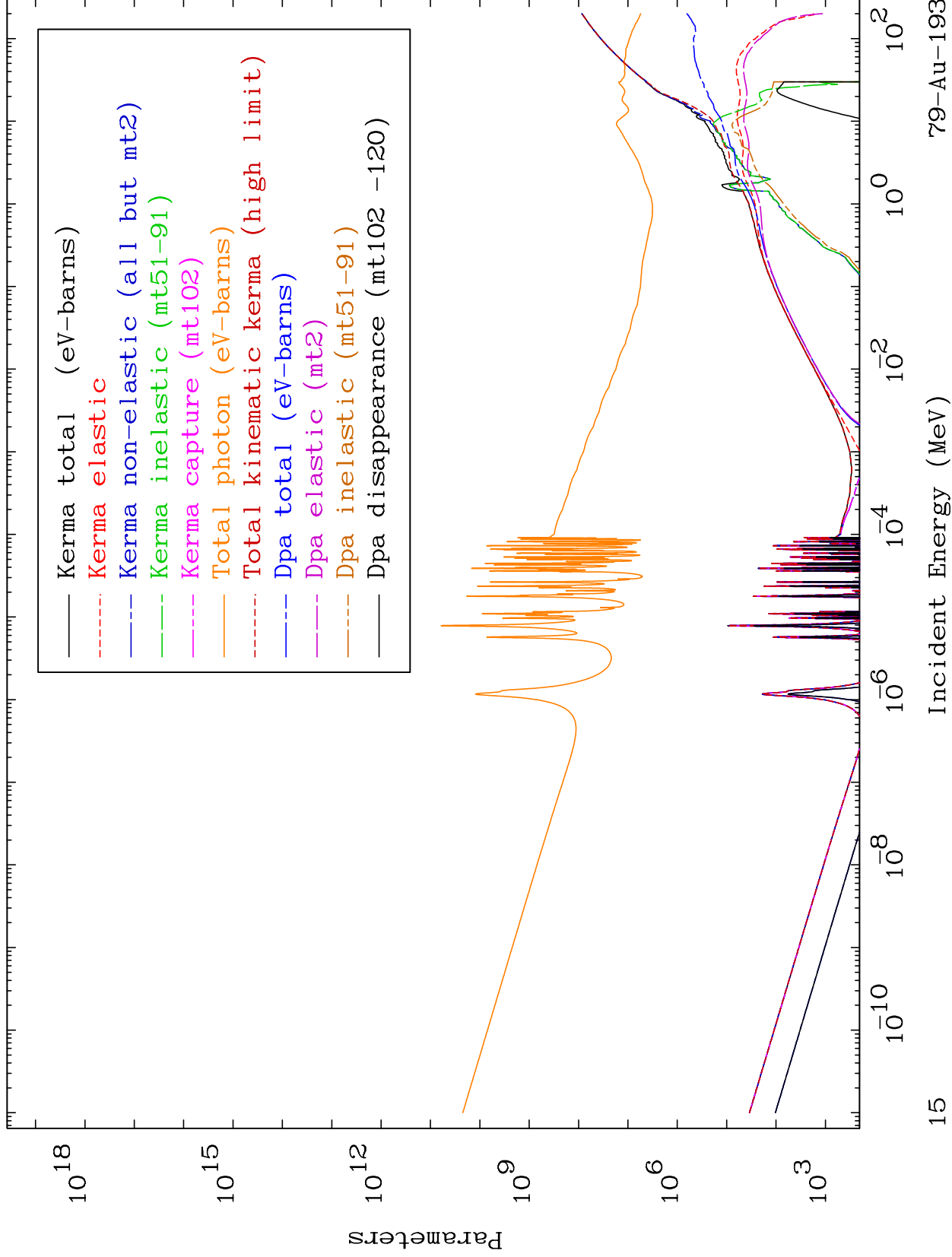


(n, α)

79-Au-193

Incident Energy (MeV)

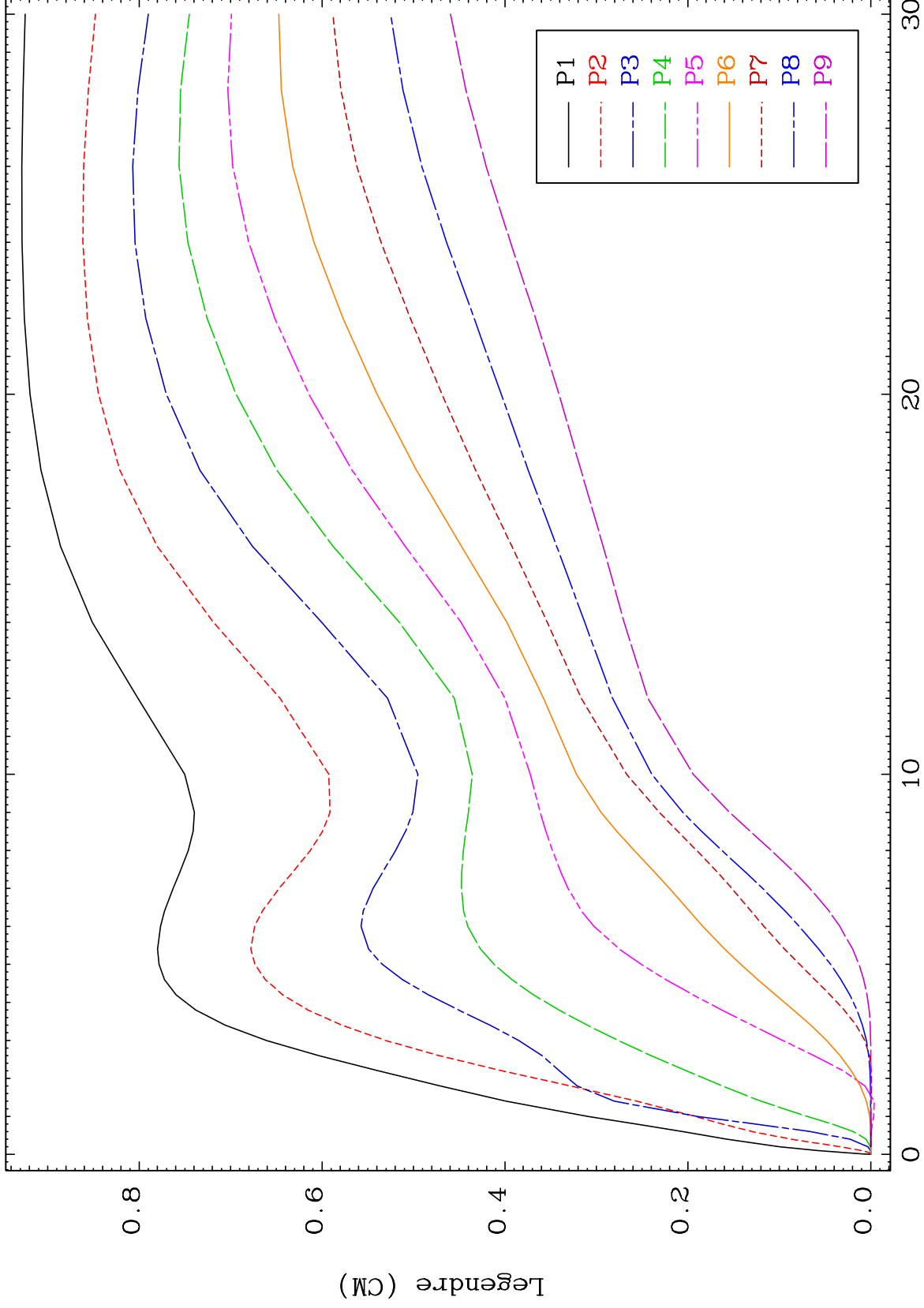
14



MAT 7913

79-Au-193

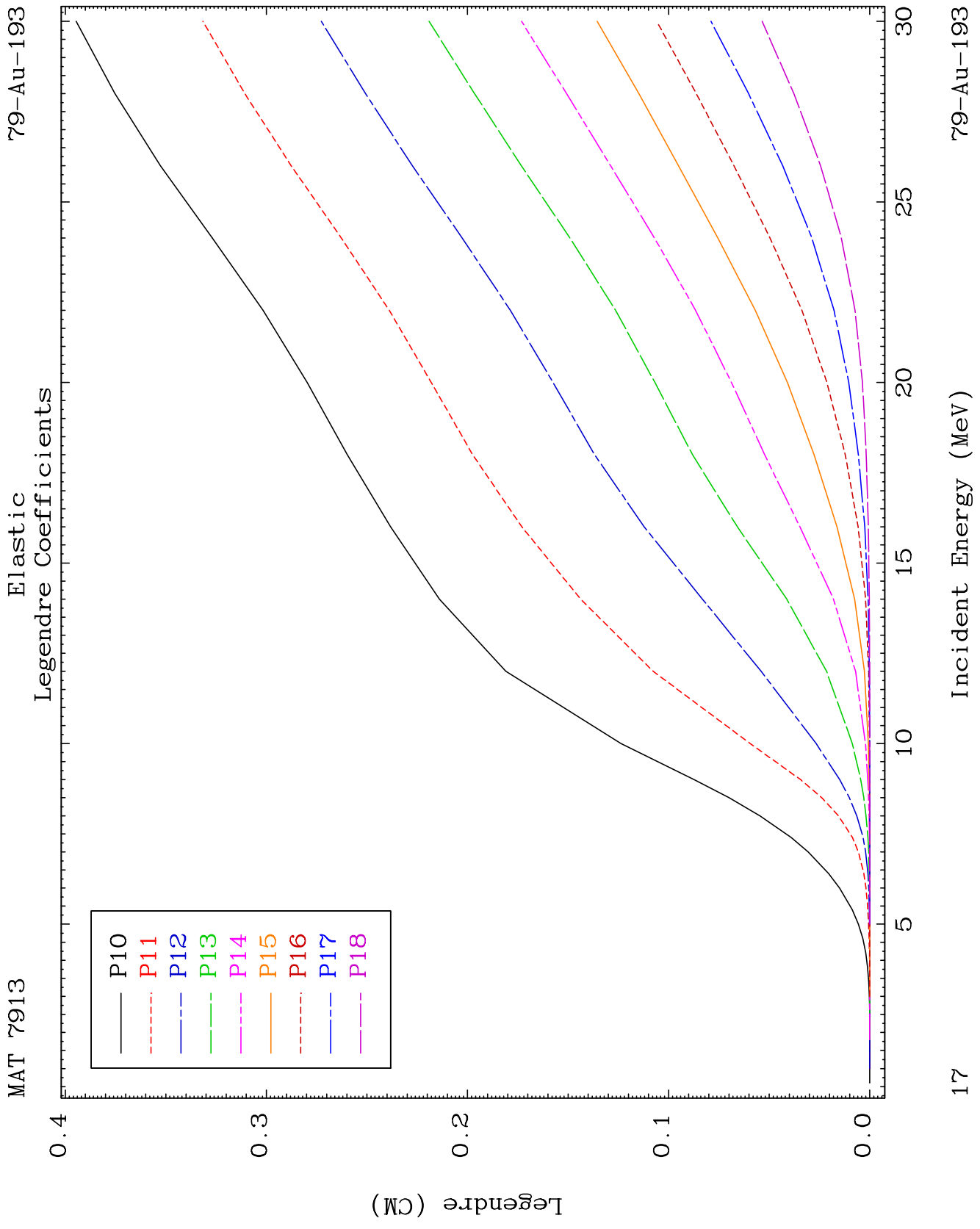
Elastic Legendre Coefficients



79-Au-193

Incident Energy (MeV)

16



MAT 7913

Elastic Legendre Coefficients

79-Au-193

17

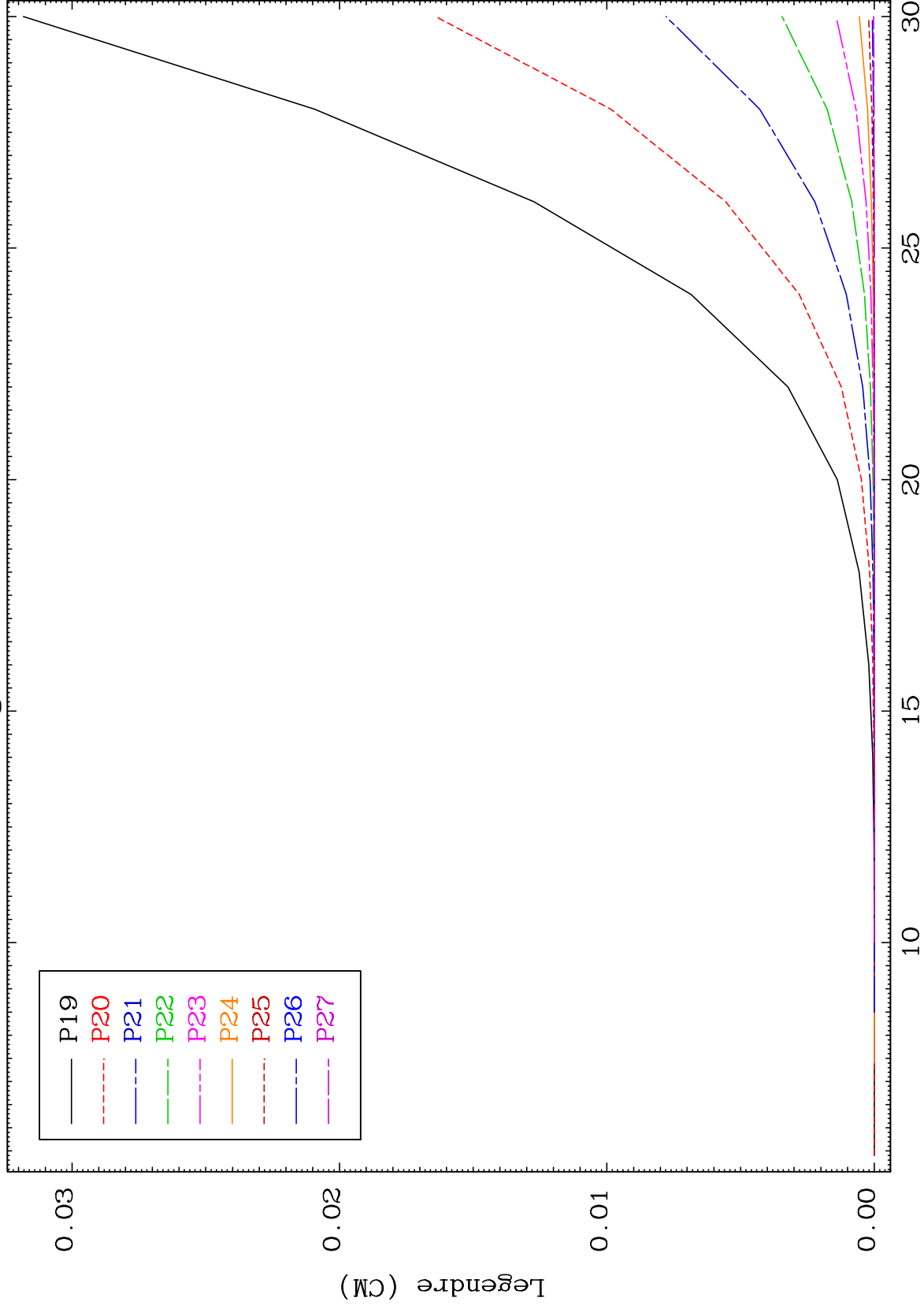
Incident Energy (MeV)

79-Au-193

MAT 7913

Elastic Legendre Coefficients

79-Au-193



18

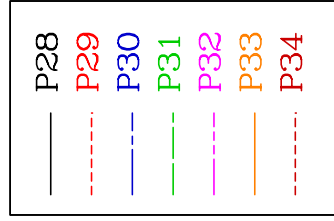
Incident Energy (MeV)

79-Au-193

MAT 7913

Elastic
Legendre Coefficients

79-Au-193



$\times 10^{-6}$

Legendre (CM)

8

6

4

2

0

15

20

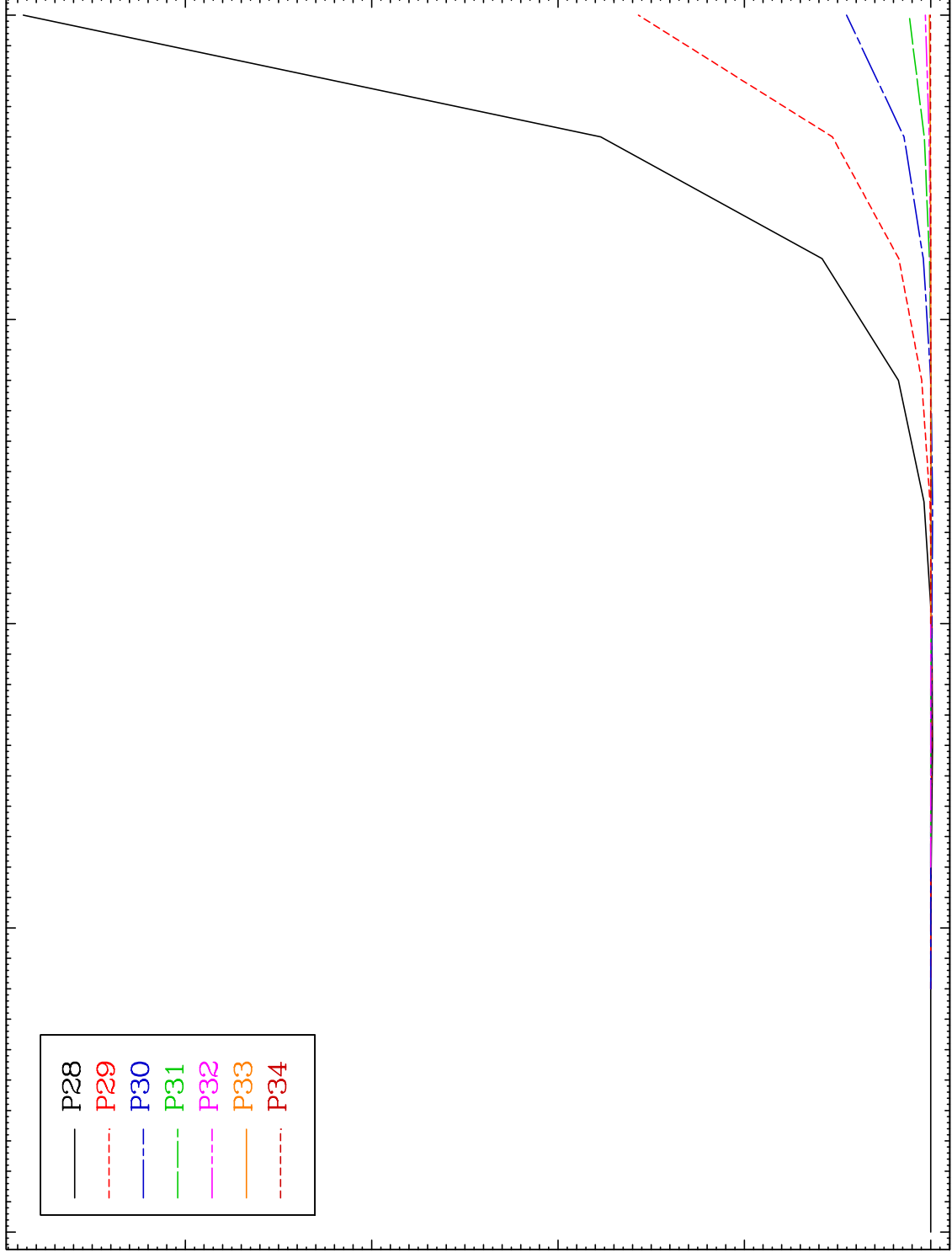
25

30

19

Incident Energy (MeV)

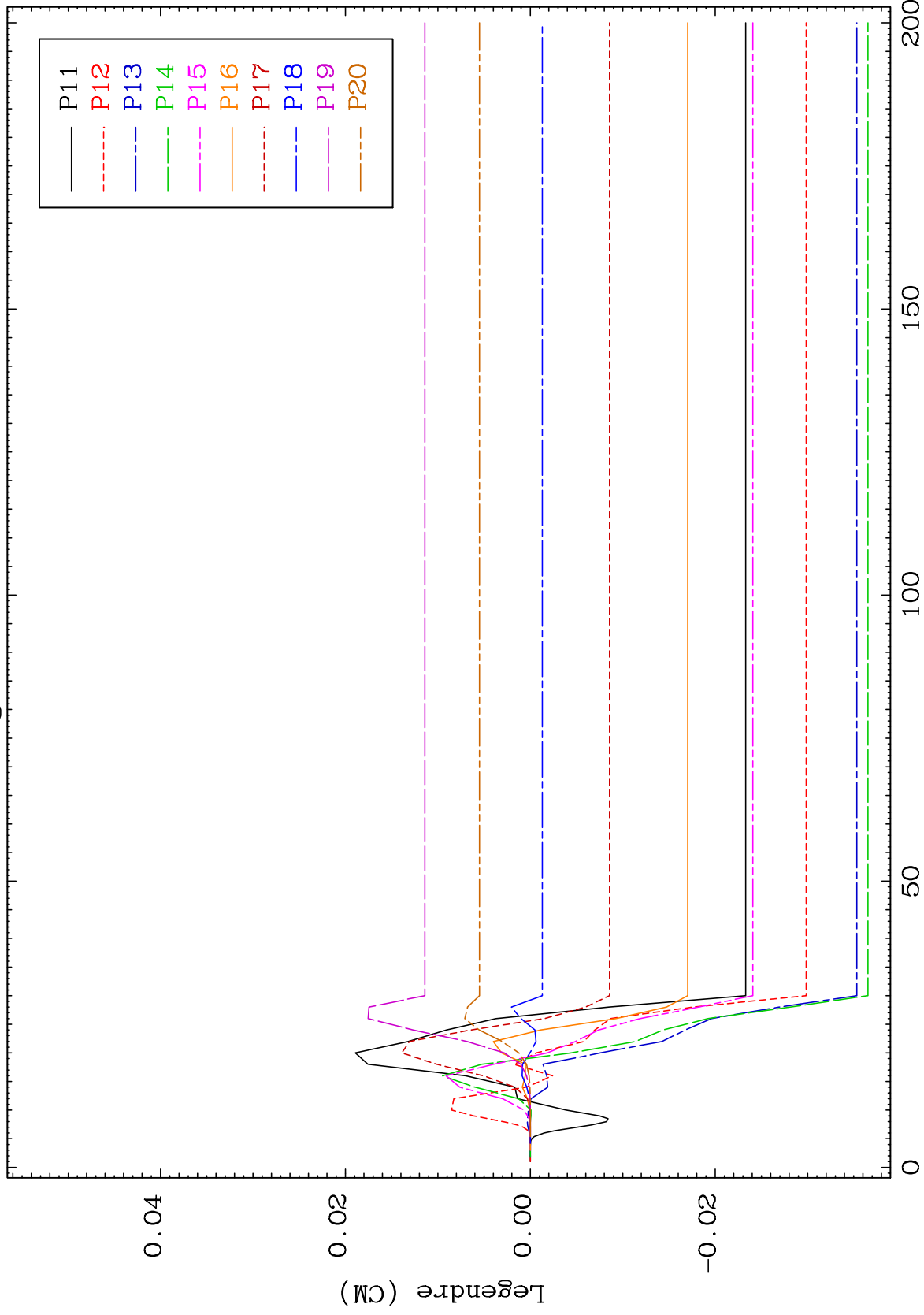
79-Au-193



MAT 7913

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

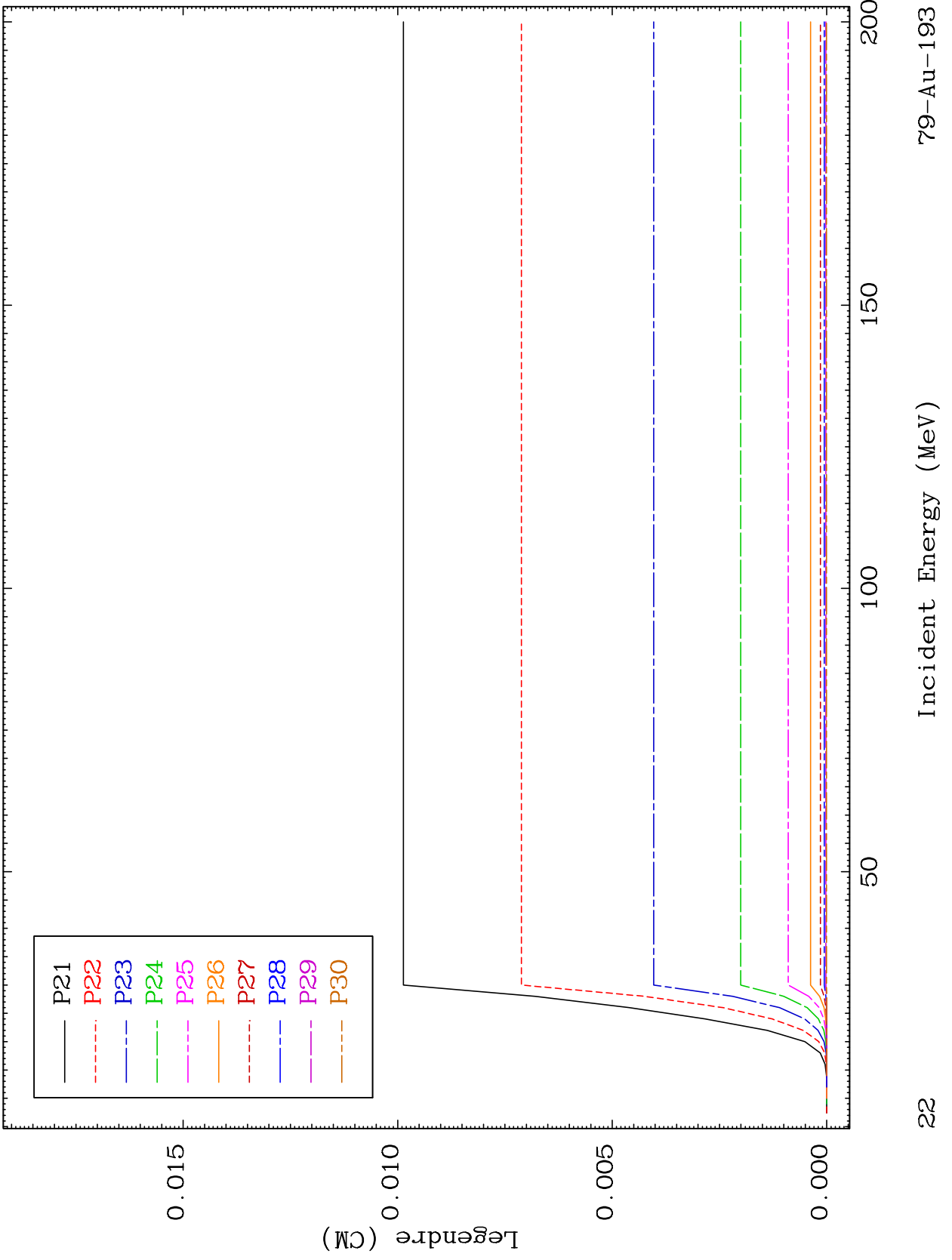
79-Au-193

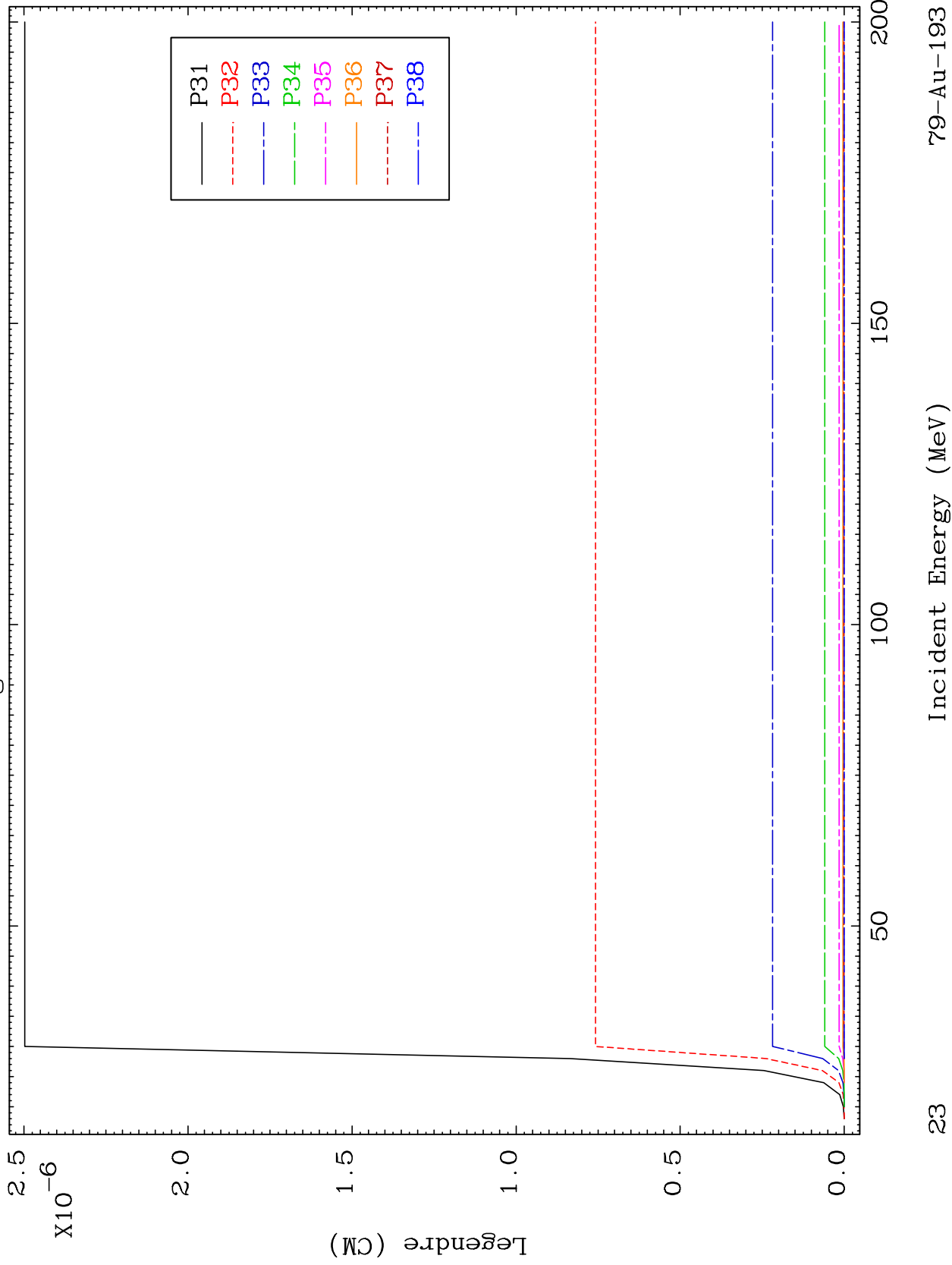


21

Incident Energy (MeV)

79-Au-193

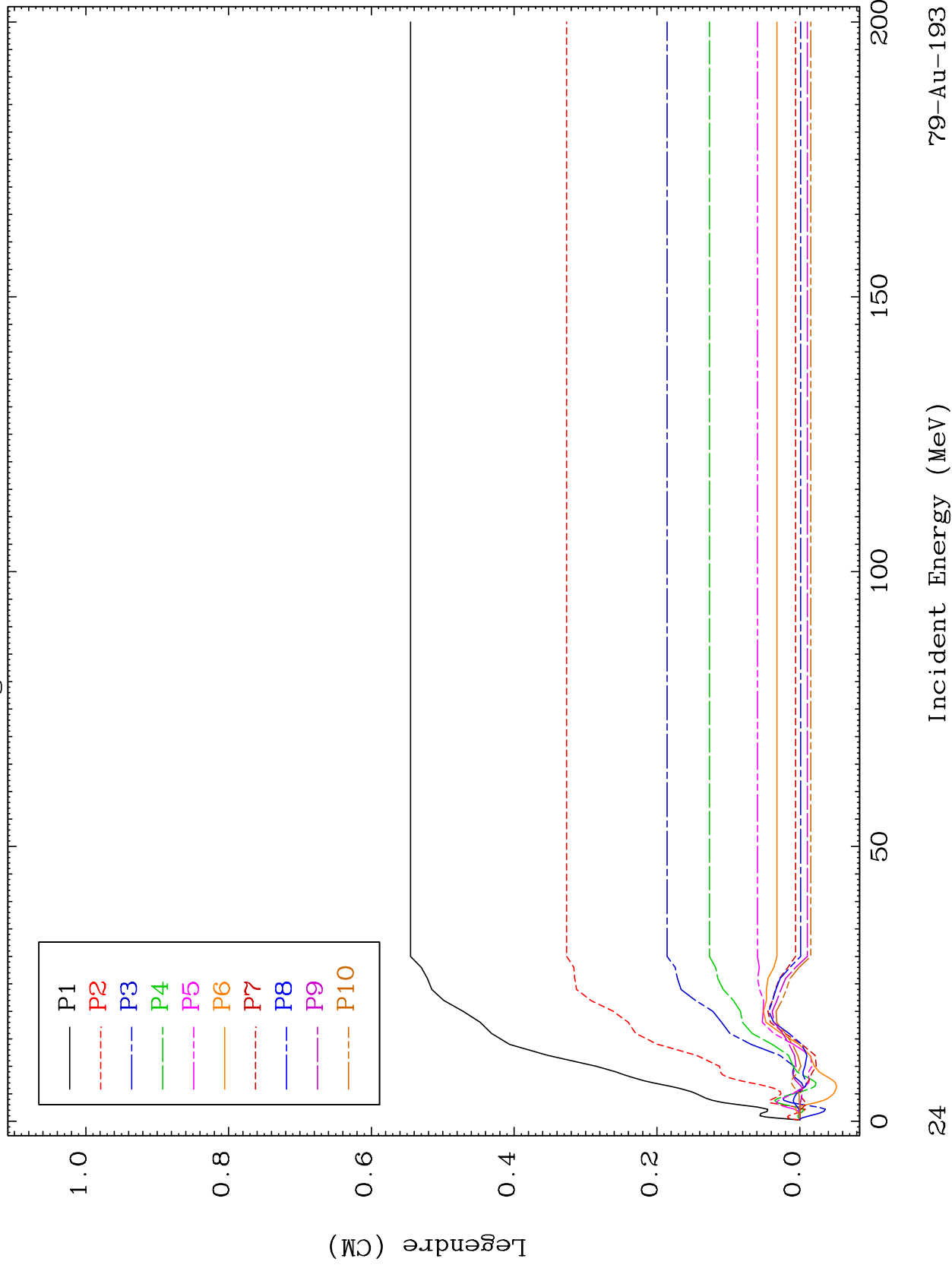




MAT 7913

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

79-Au-193

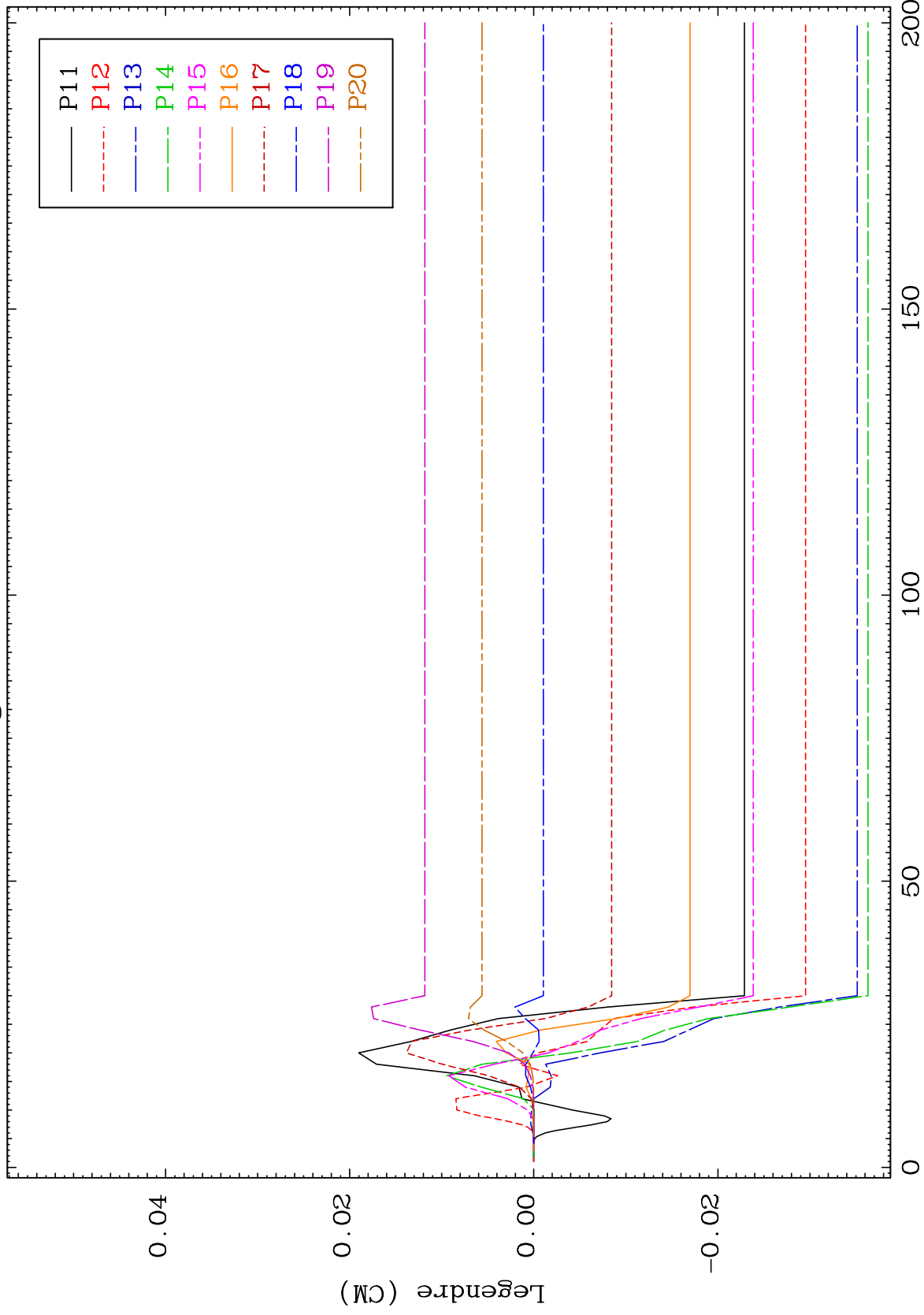


24

MAT 7913

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

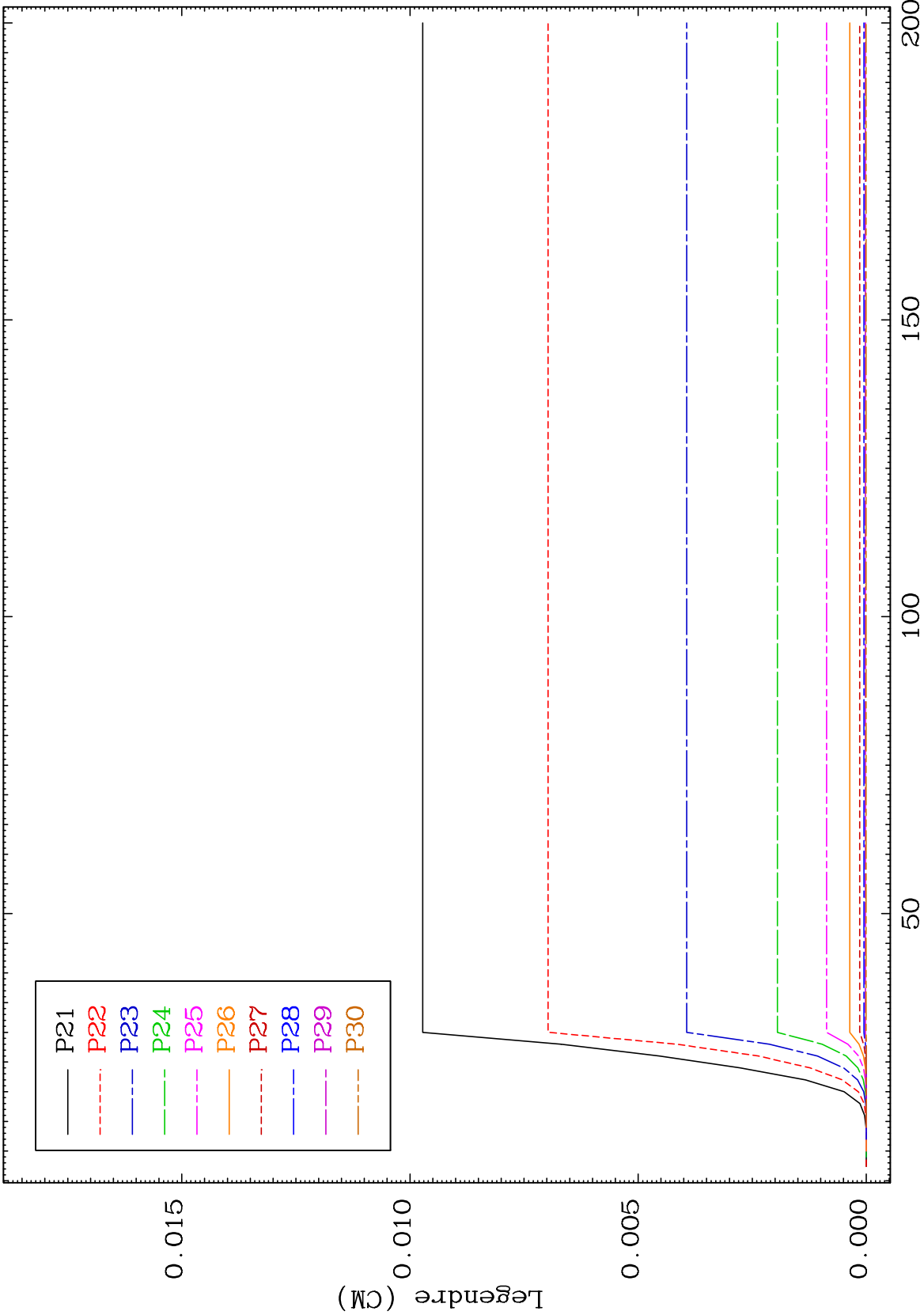
79-Au-193



25

Incident Energy (MeV)

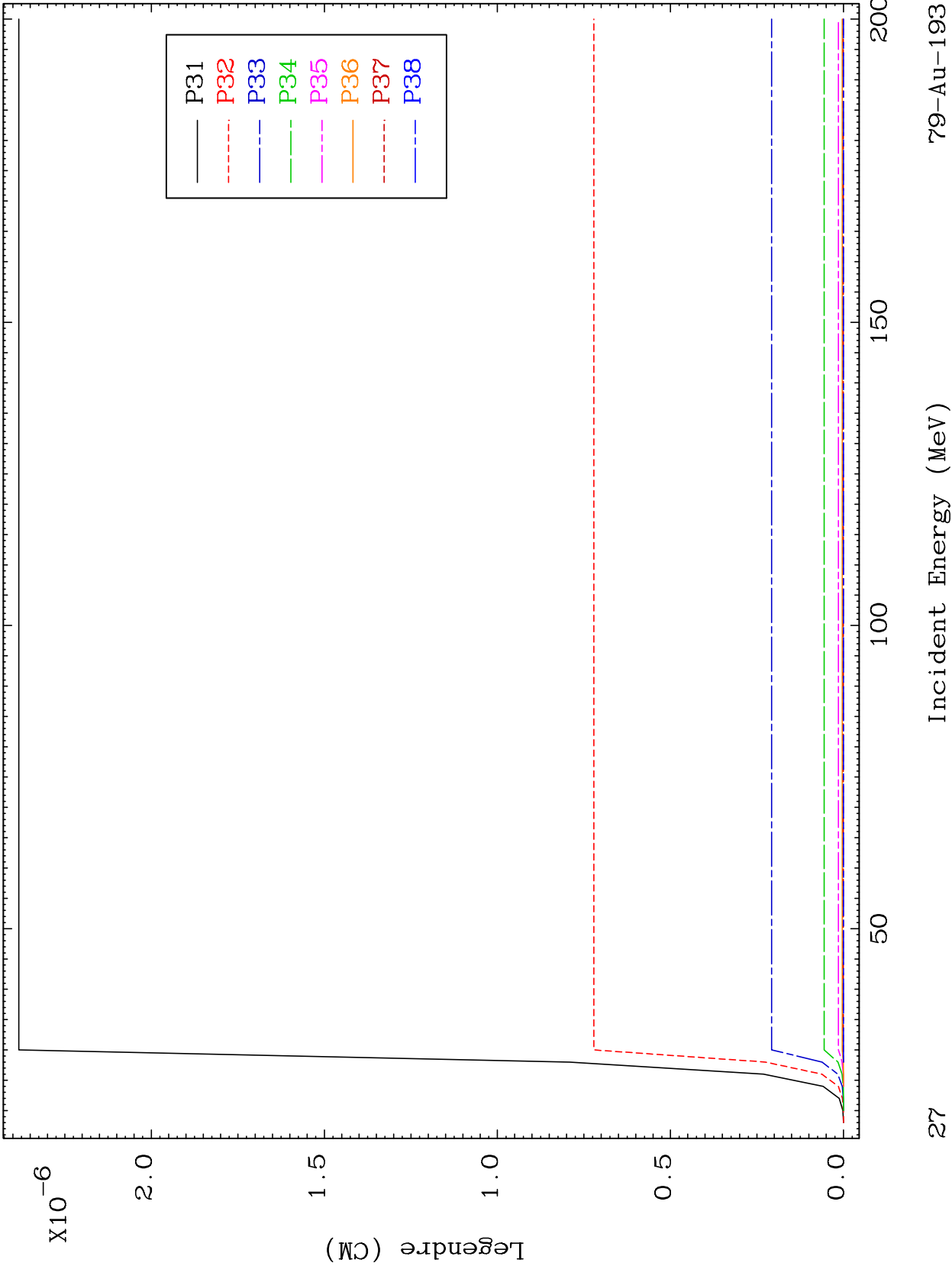
79-Au-193



MAT 7913

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

79-Au-193



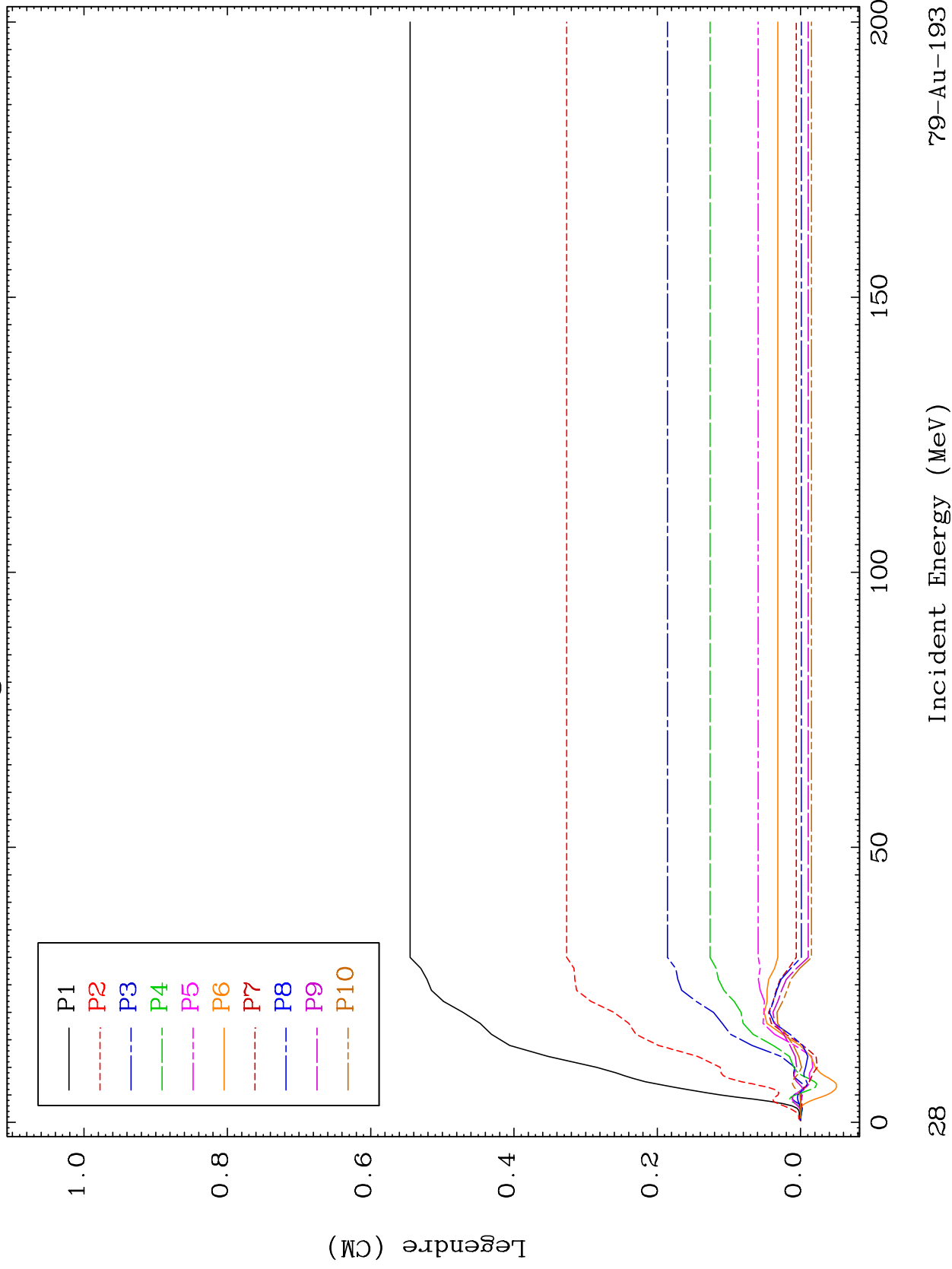
27

79-Au-193

MAT 7913

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

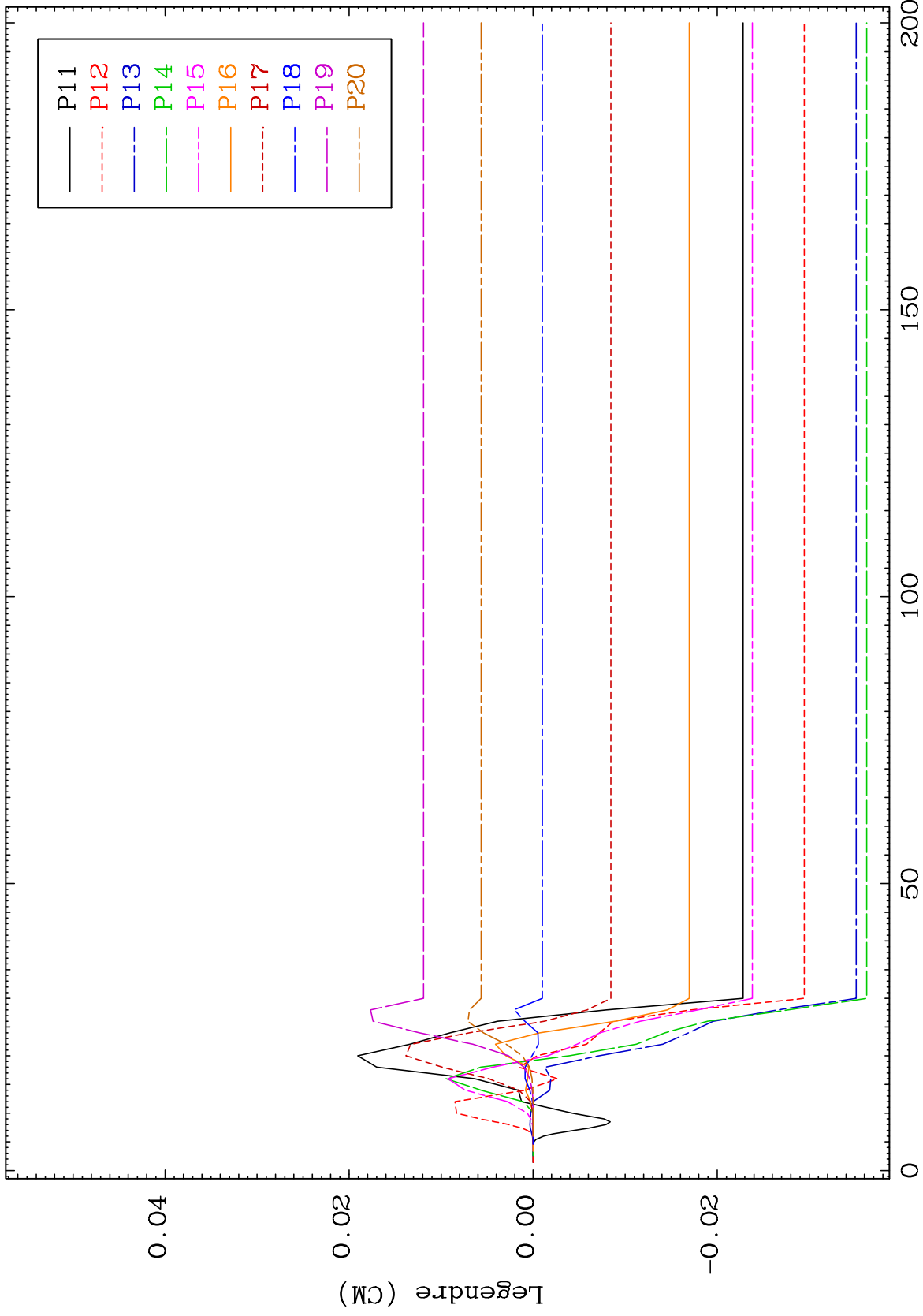
79-Au-193



MAT 7913

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

79-Au-193



29

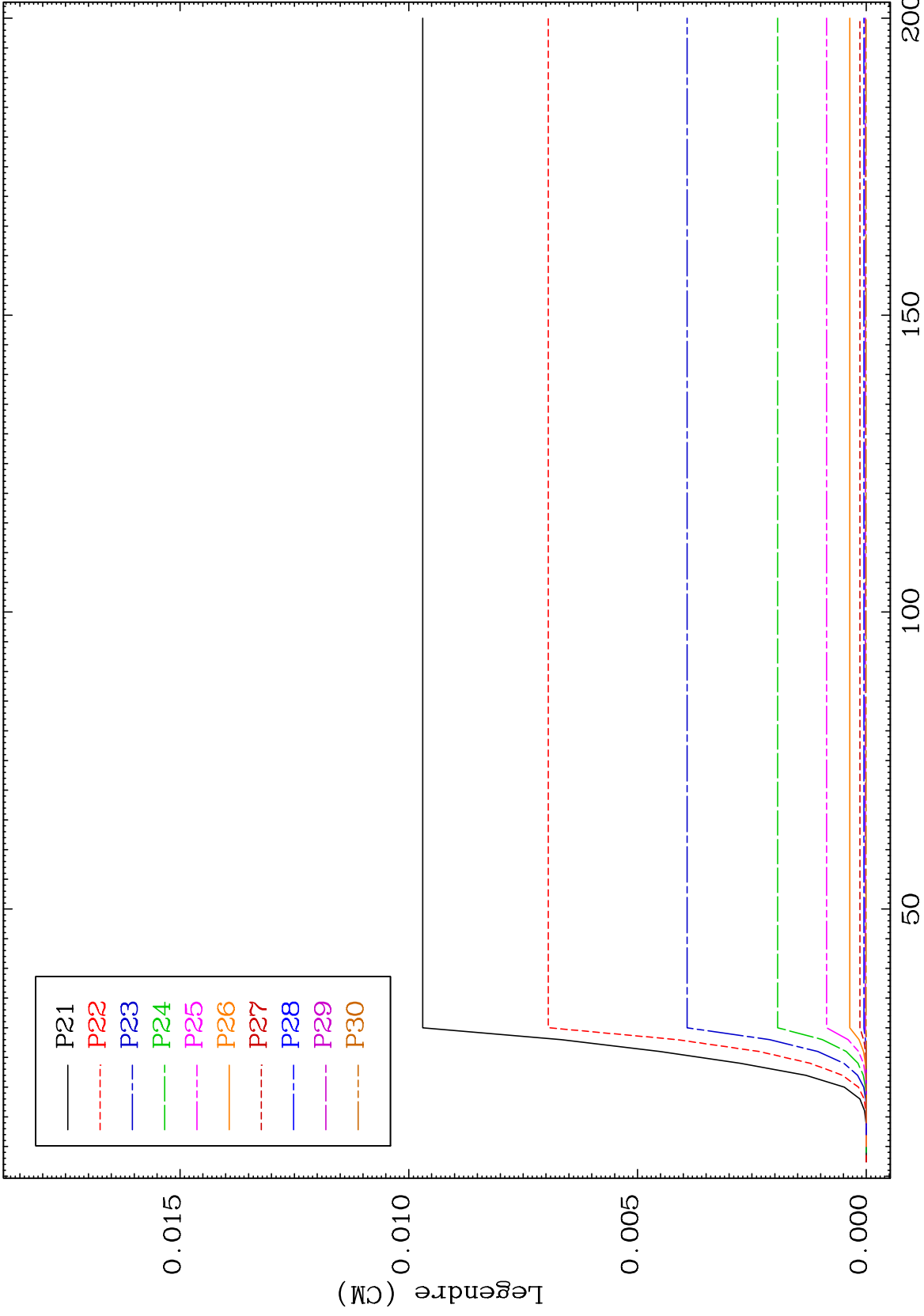
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



30

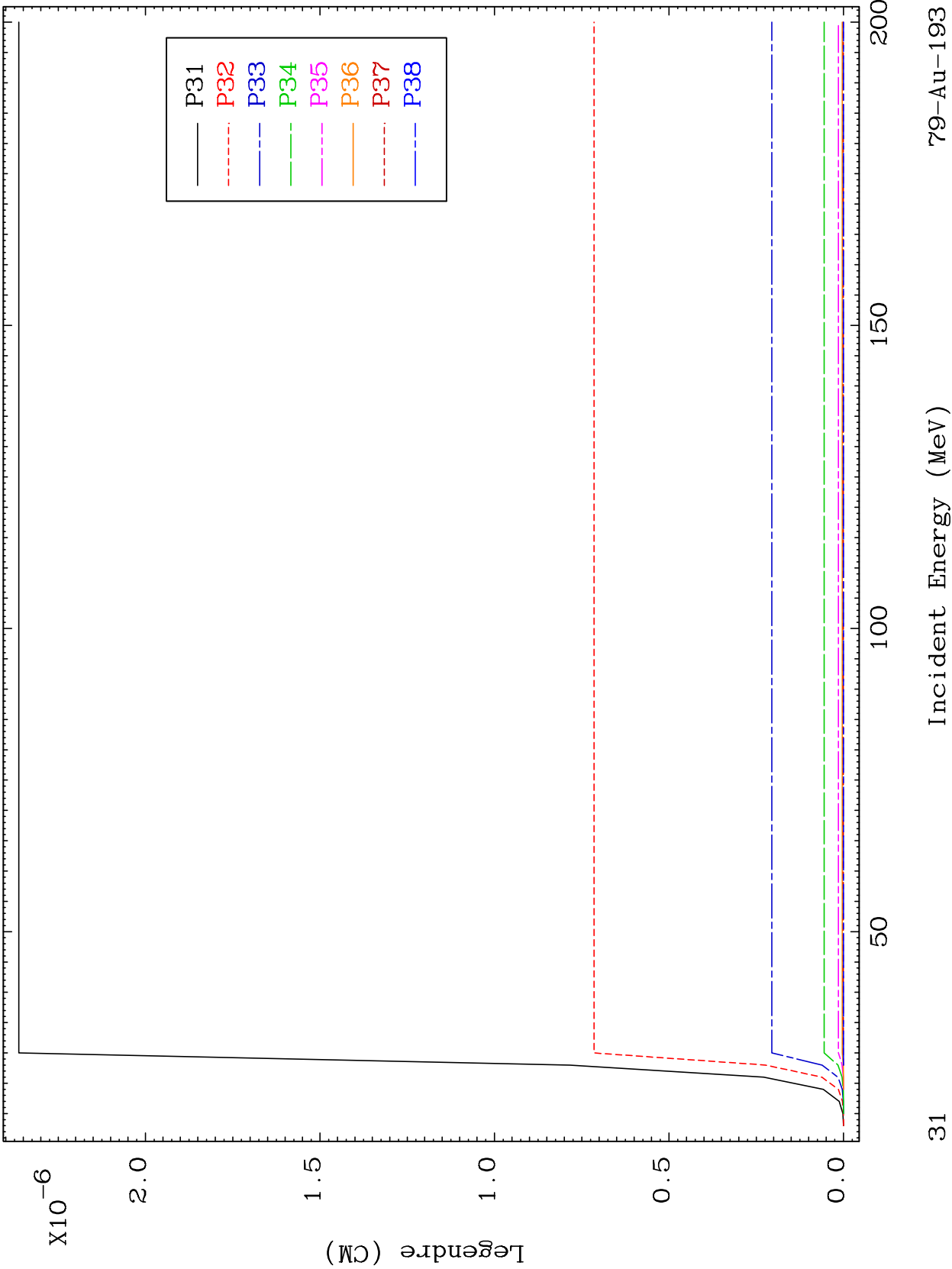
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



31

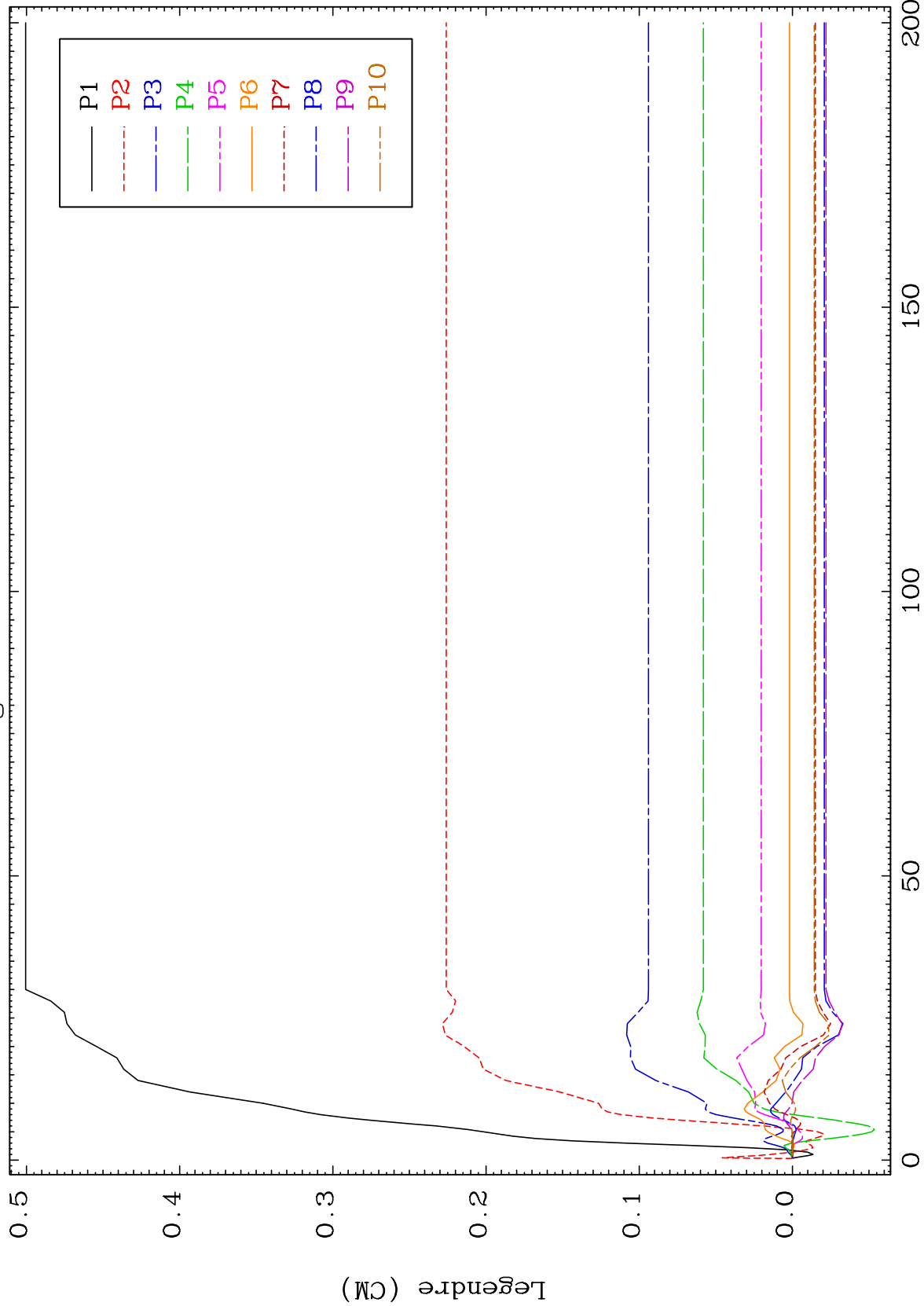
79-Au-193

MAT 7913

MT= 54 (n,n') Level

79-Au-193

Legendre Coefficients



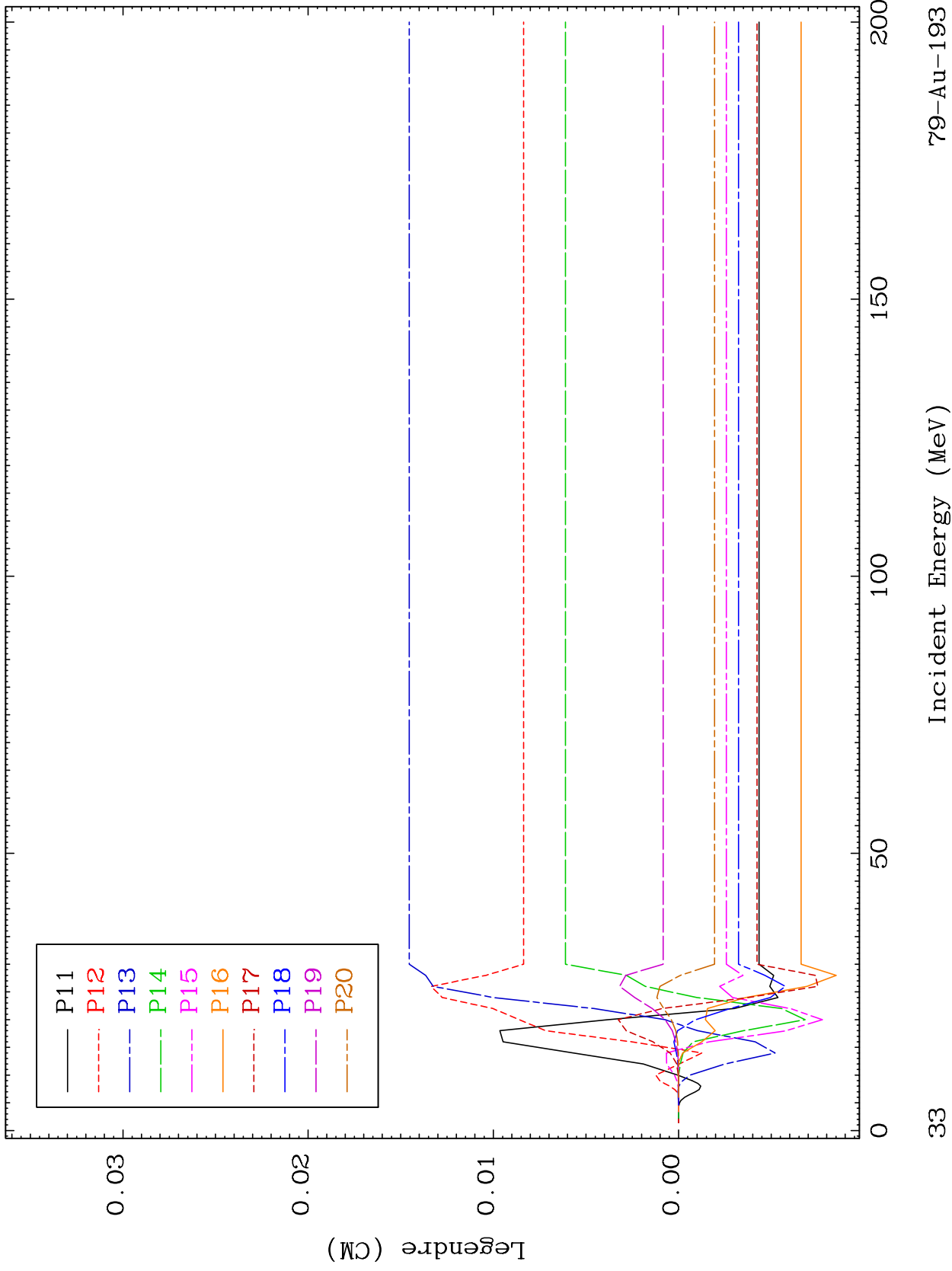
32

79-Au-193

MAT 7913

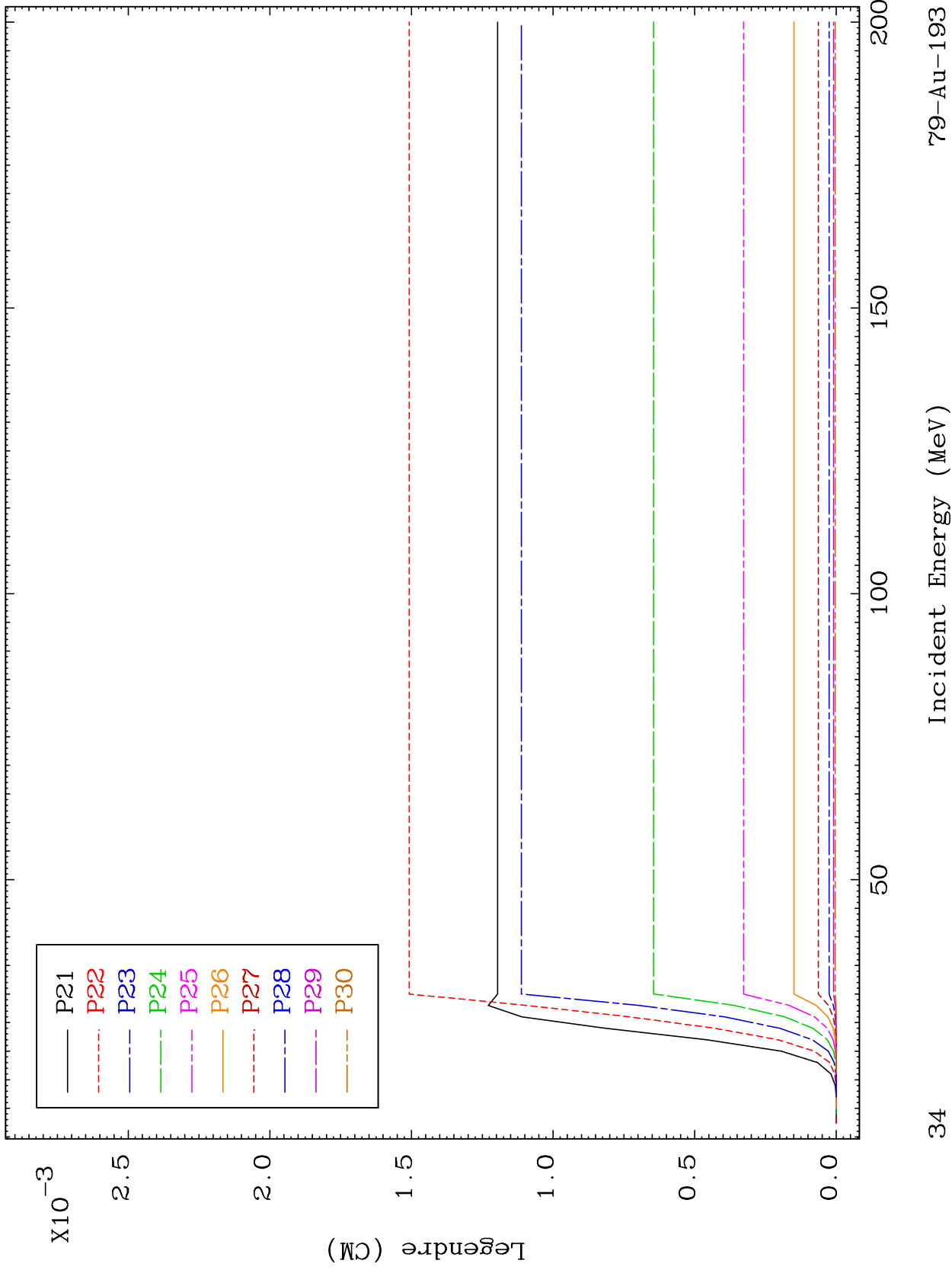
MT= 54 (n,n') Level
Legendre Coefficients

79-Au-193



33

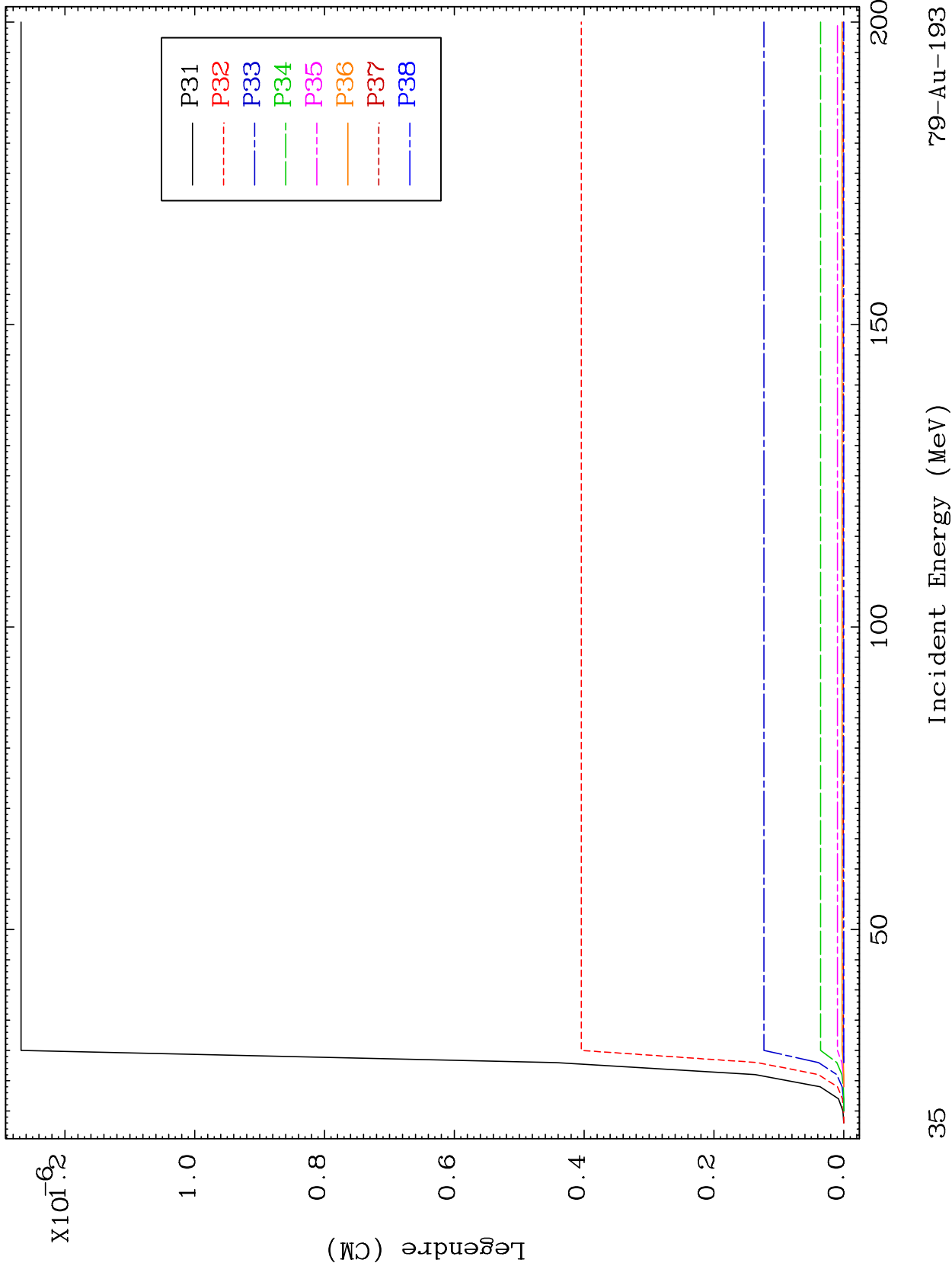
79-Au-193



MAT 7913

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

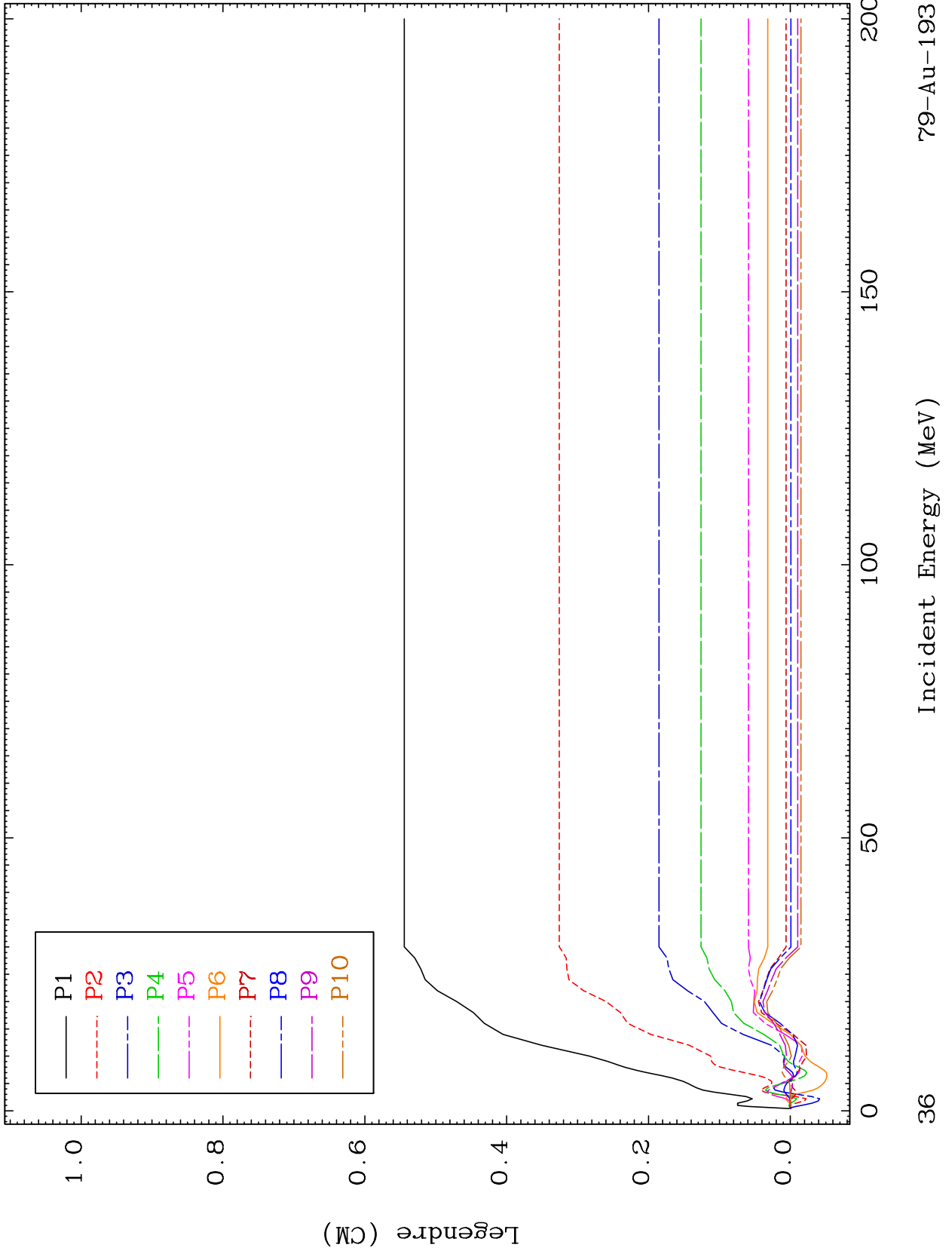
79-Au-193



35

Incident Energy (MeV)

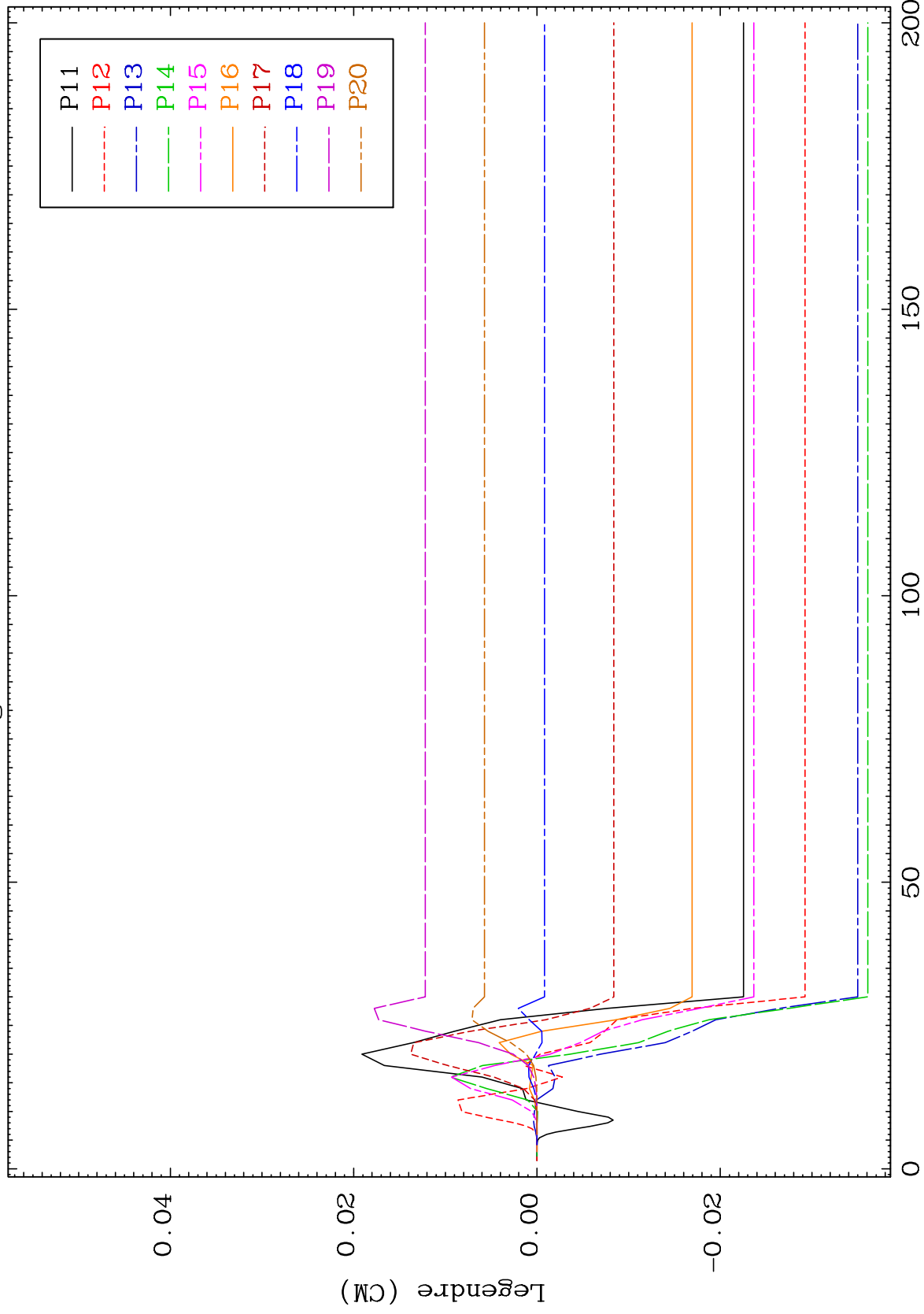
79-Au-193



MAT 7913

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

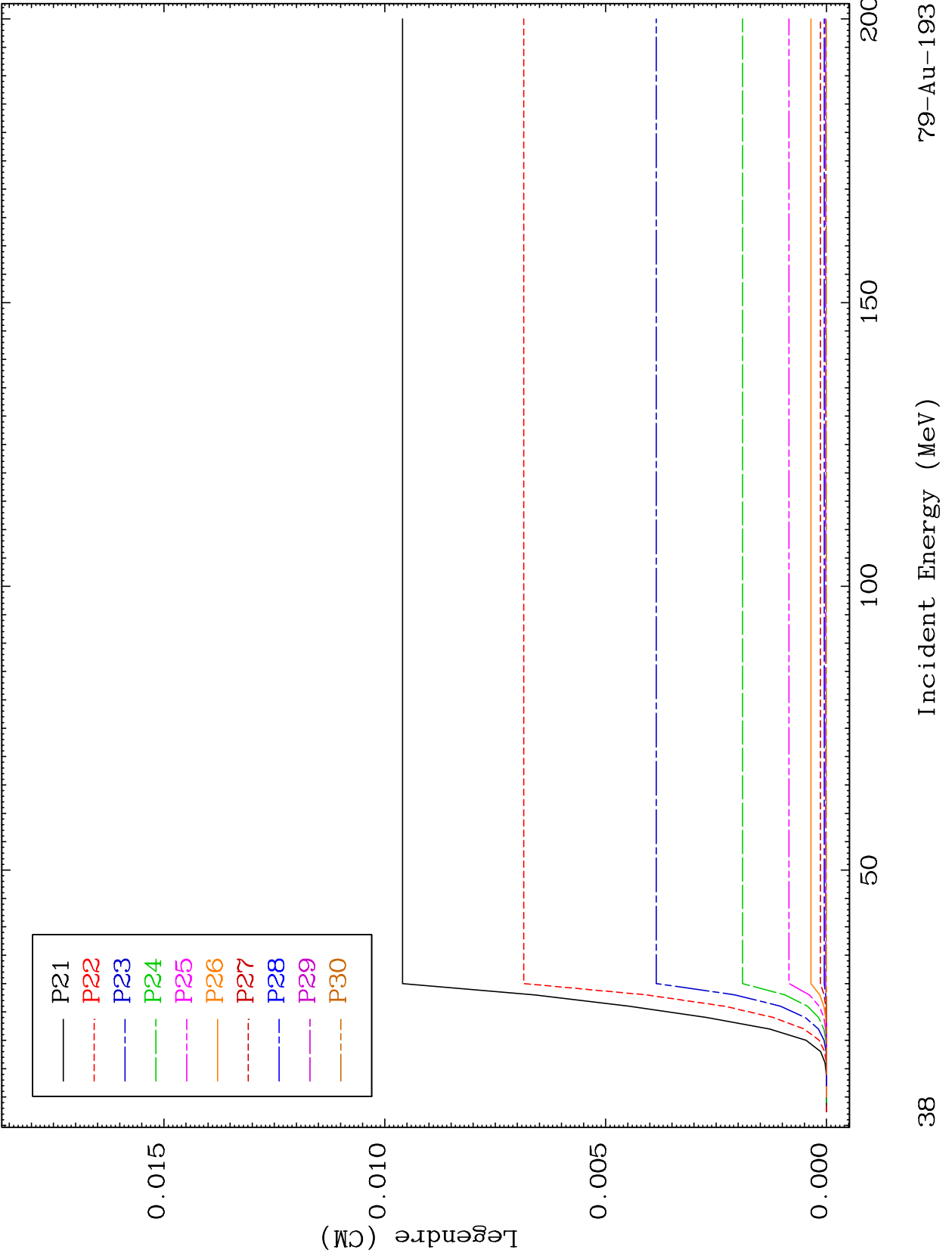
79-Au-193



37

Incident Energy (MeV)

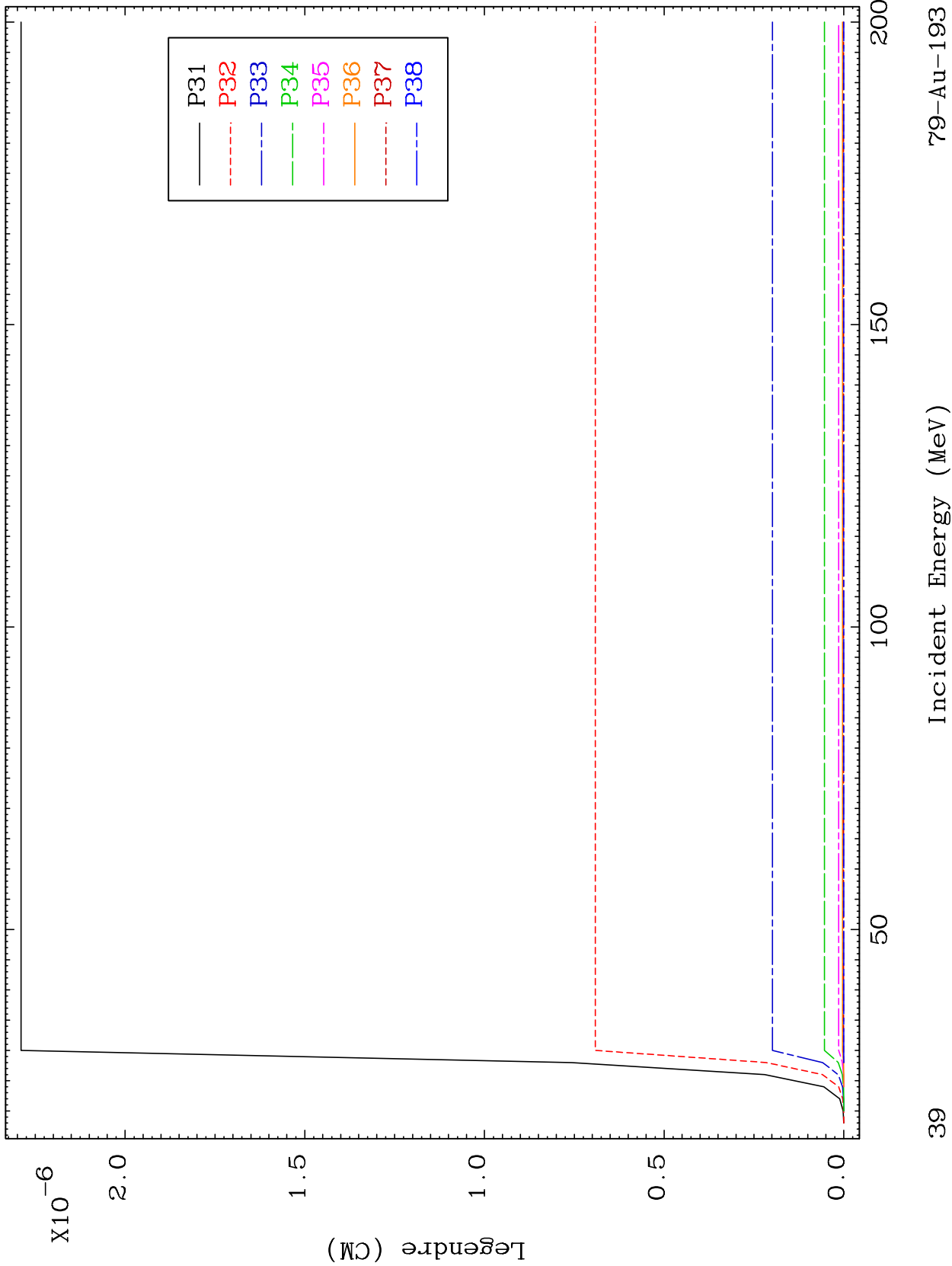
79-Au-193



MAT 7913

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

79-Au-193



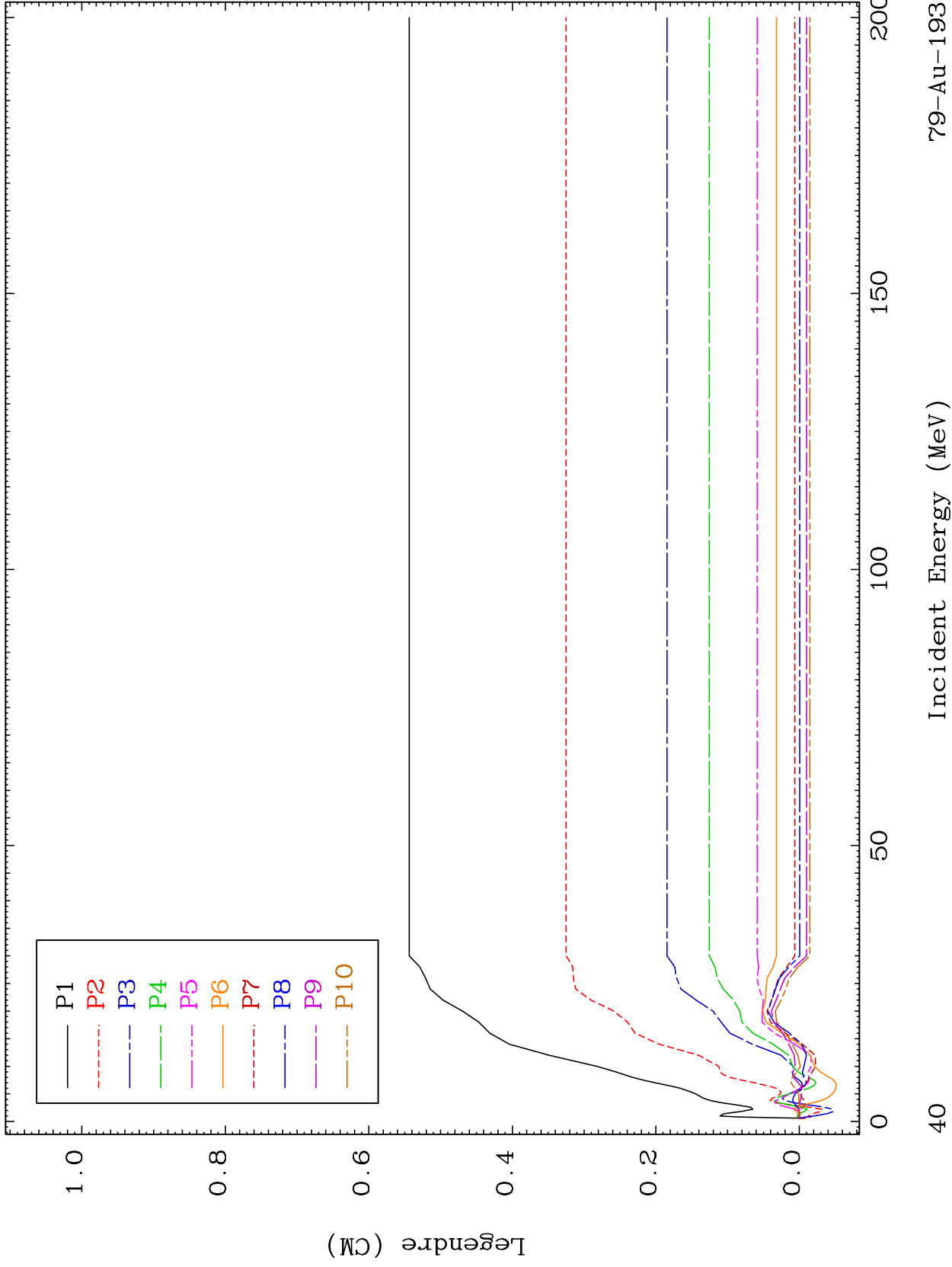
39

79-Au-193

MAT 7913

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

79-Au-193

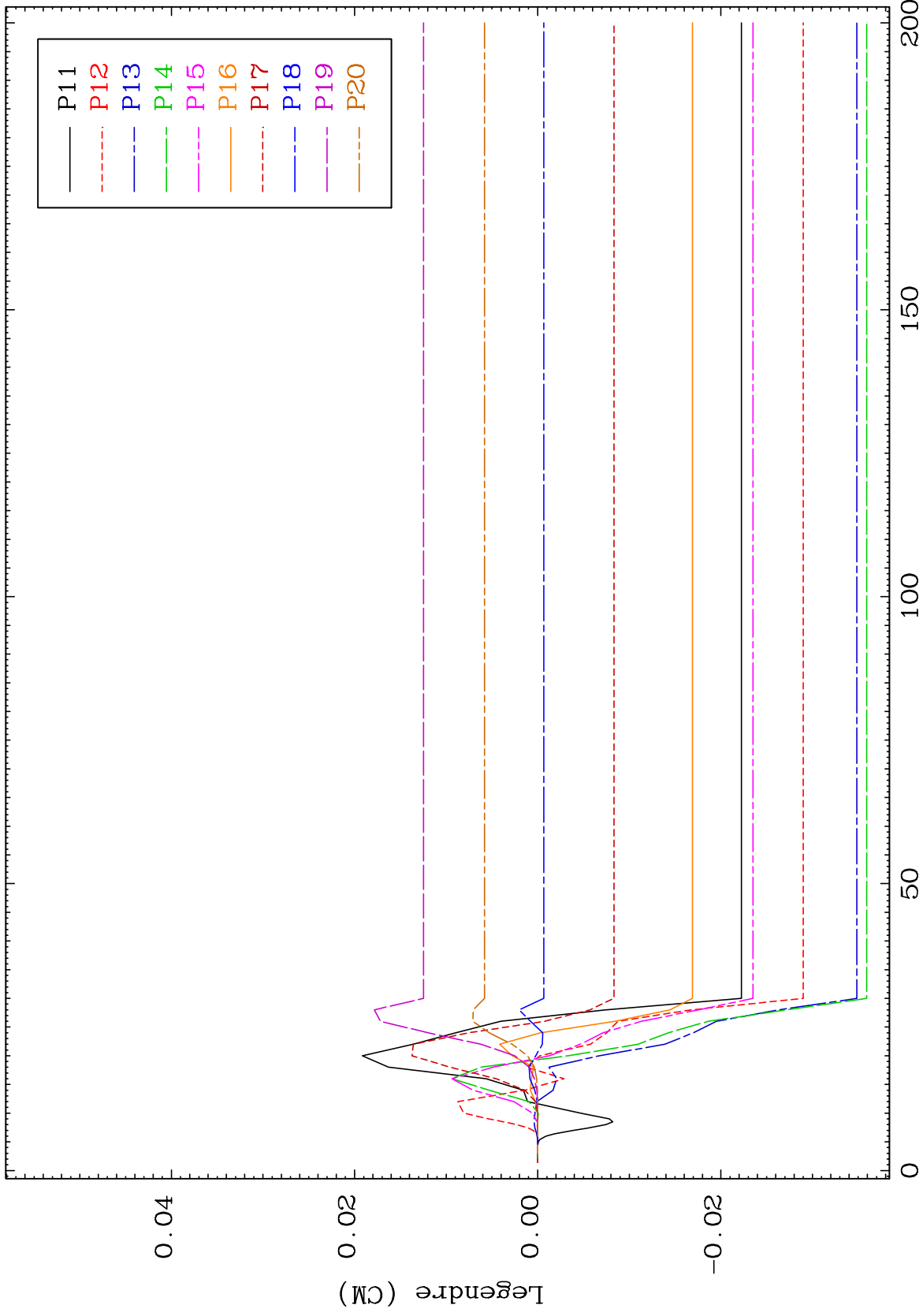


79-Au-193

MAT 7913

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

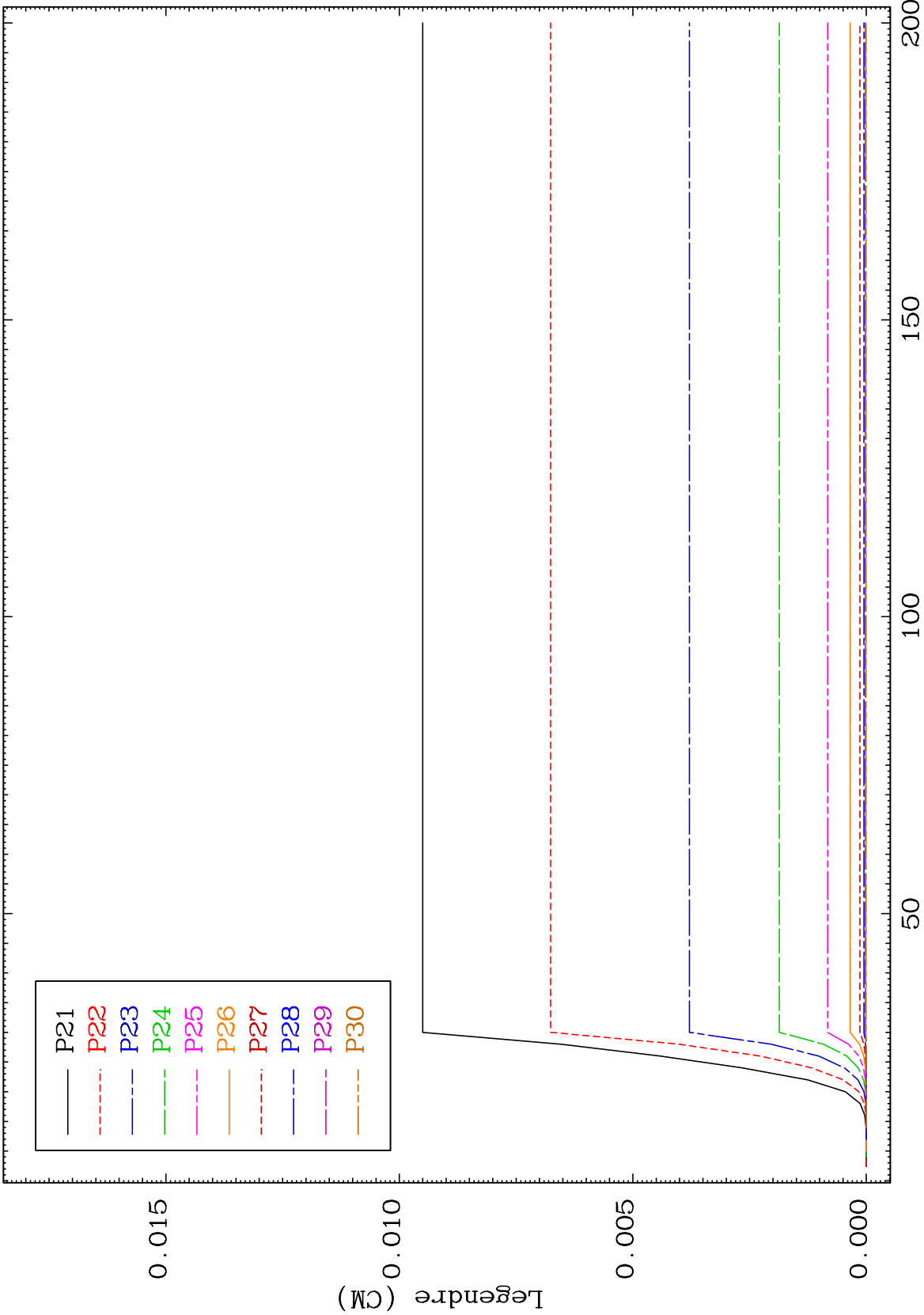
79-Au-193



MAT 7913

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

79-Au-193



42

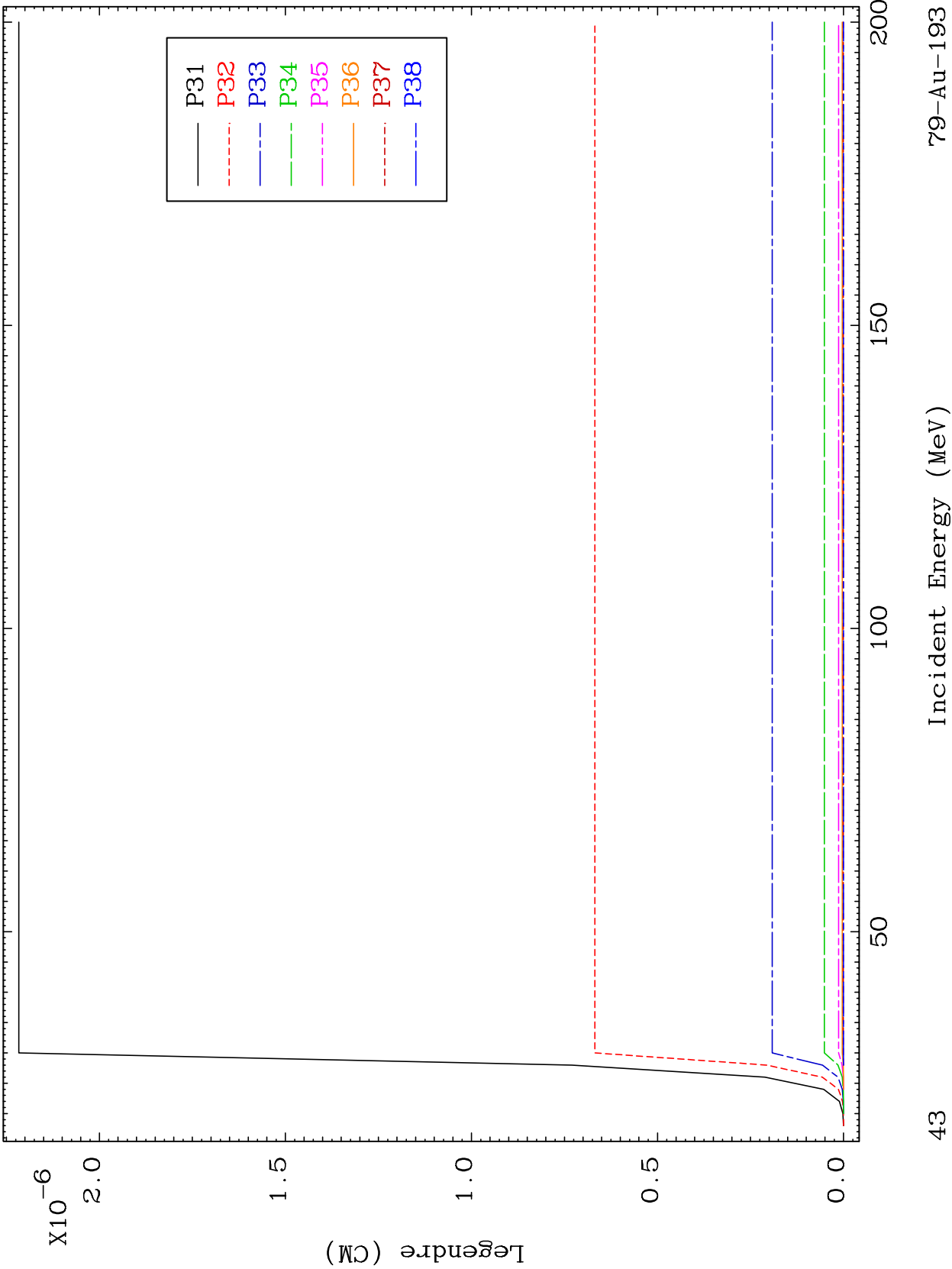
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



43

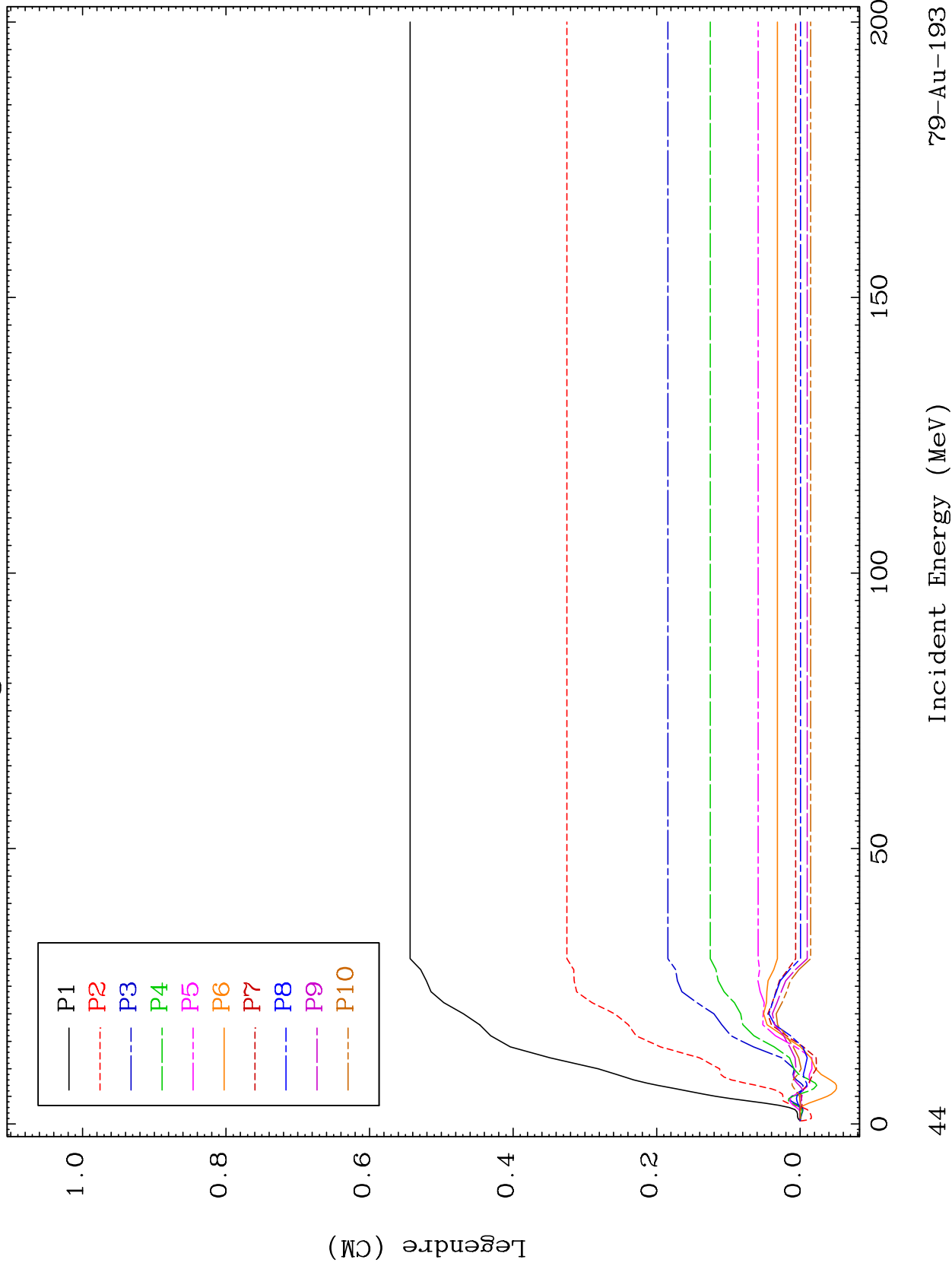
Incident Energy (MeV)

79-Au-193

MAT 7913

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

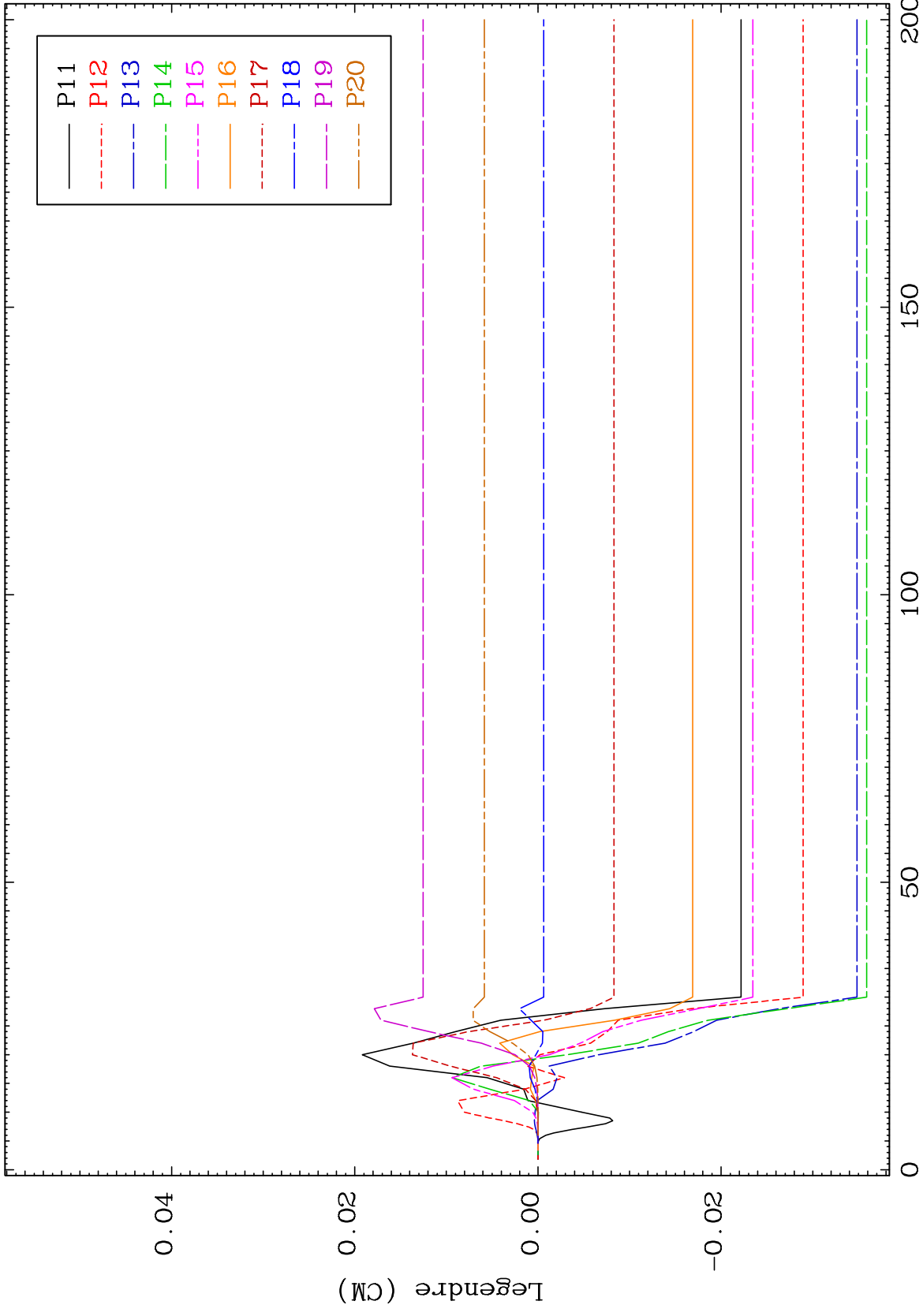
79-Au-193



MAT 7913

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

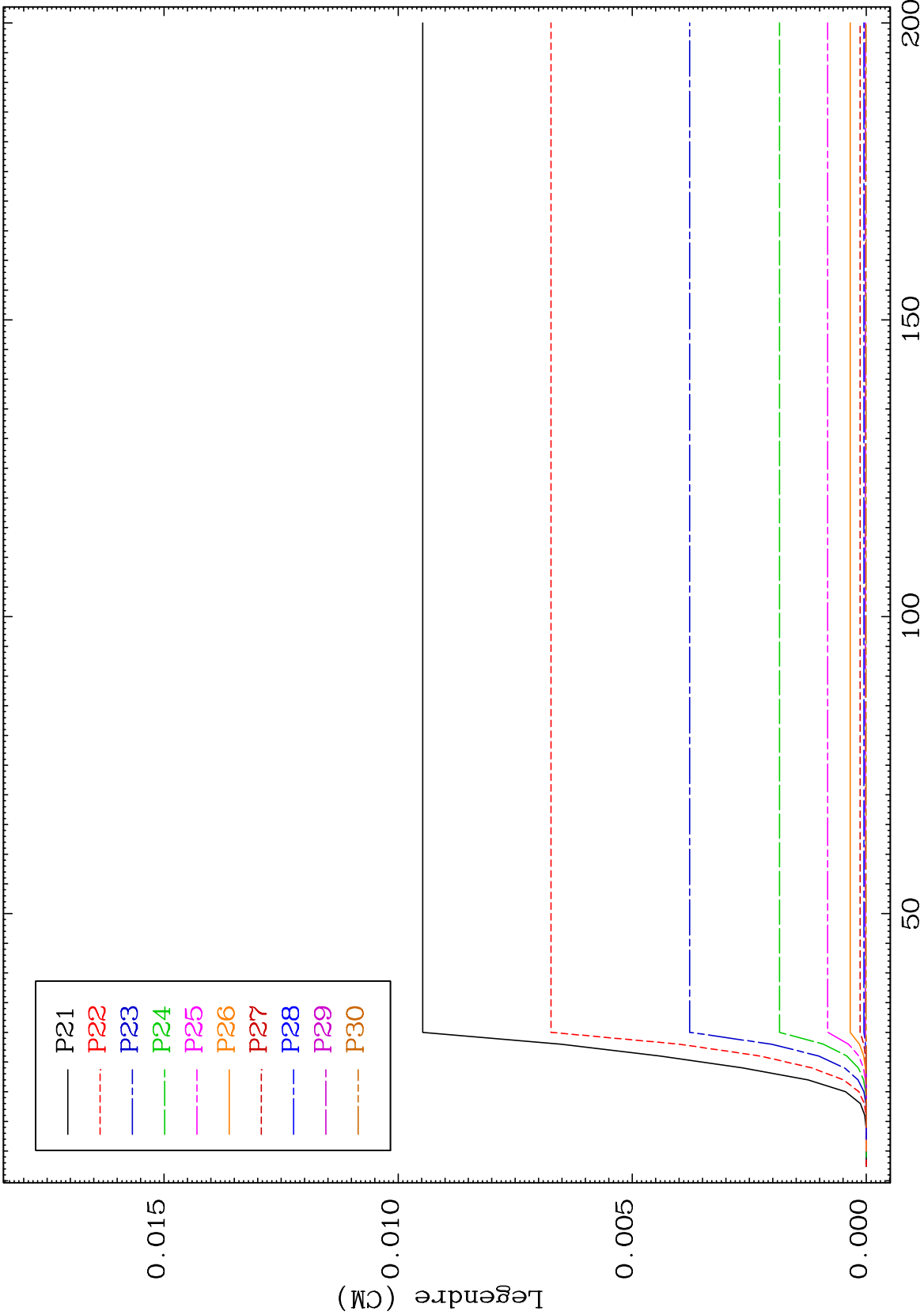
79-Au-193



45

Incident Energy (MeV)

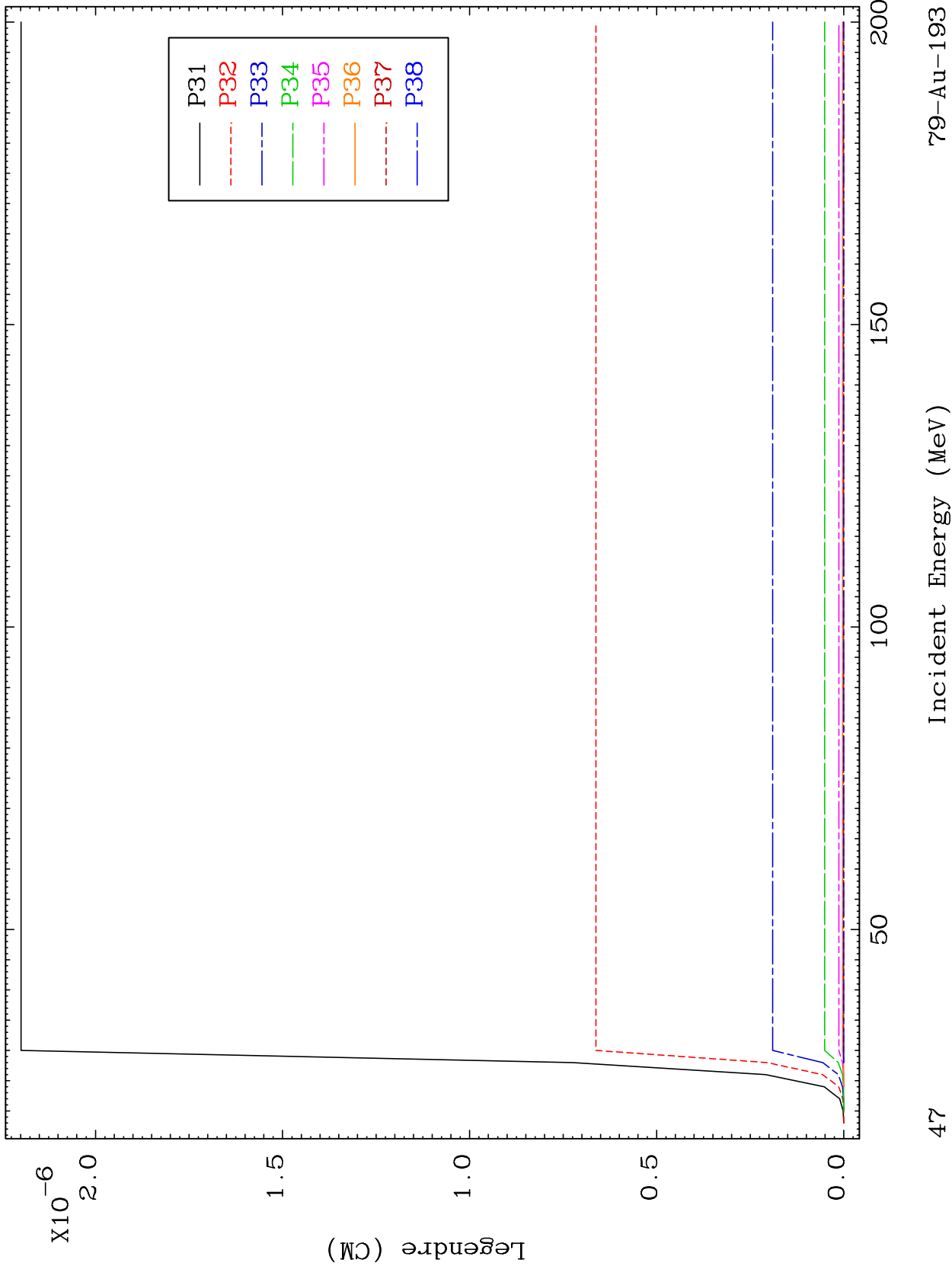
79-Au-193



MAT 7913

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

79-Au-193



47

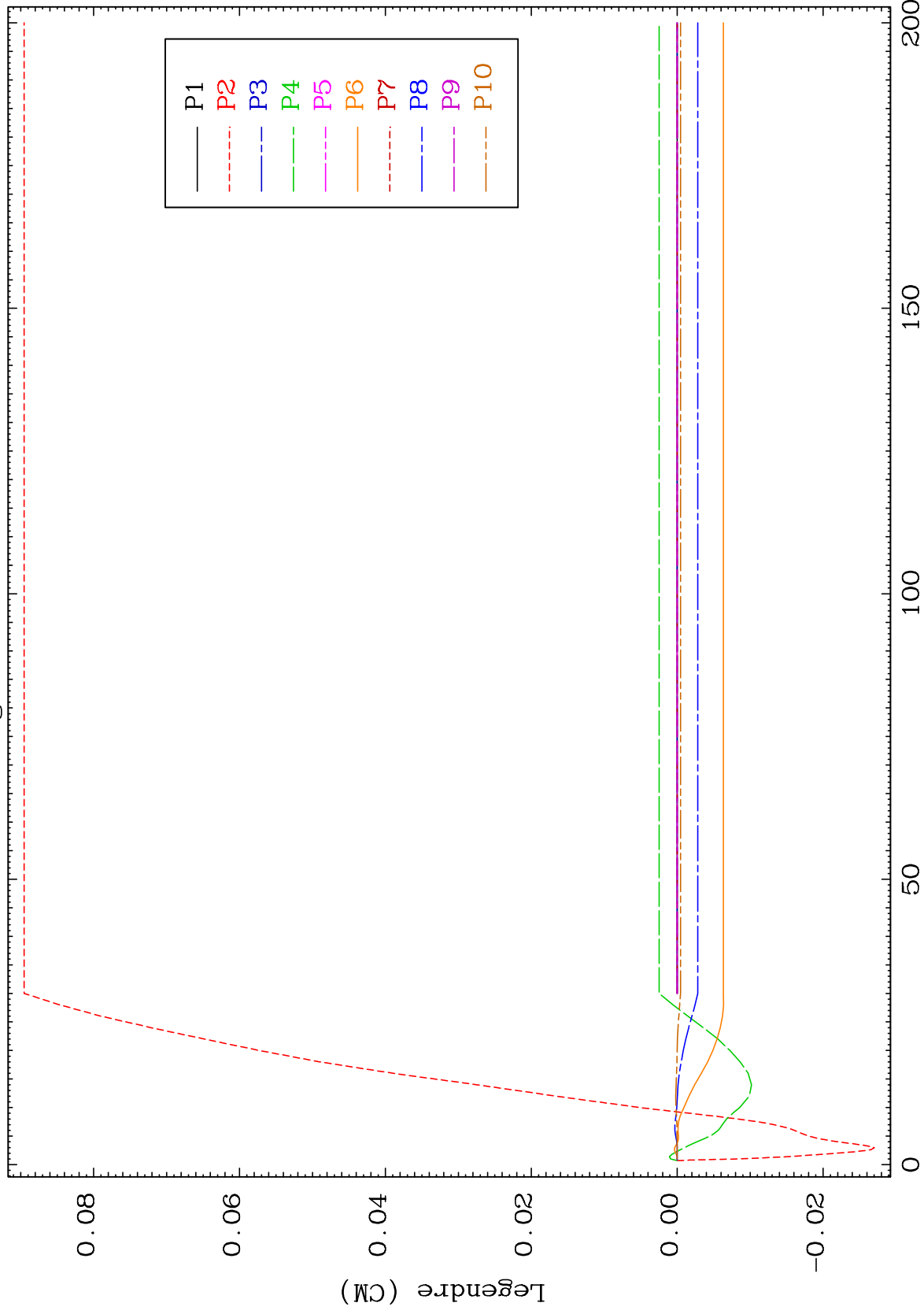
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



48

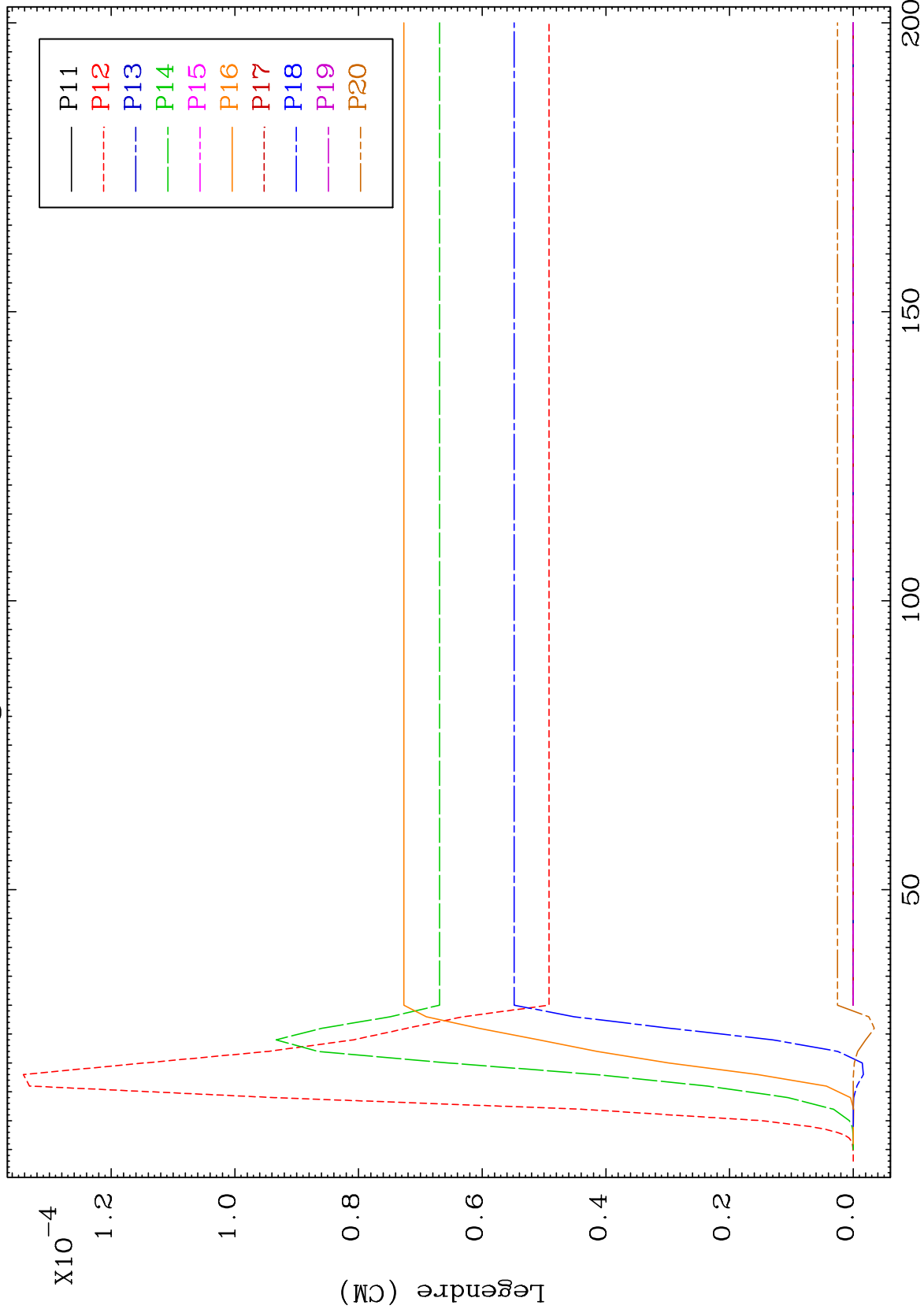
Incident Energy (MeV)

79-Au-193

MAT 7913

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

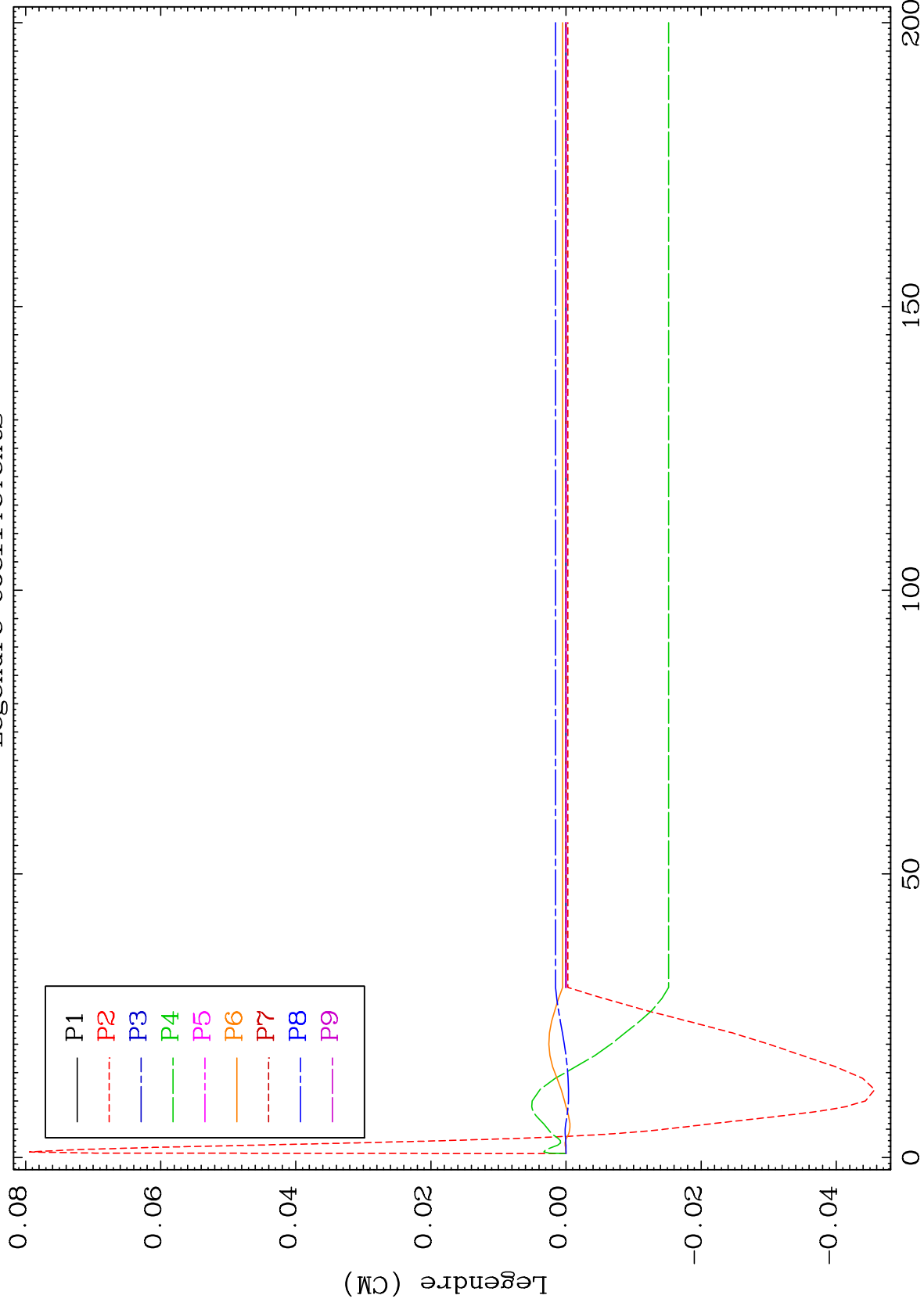
79-Au-193



49

Incident Energy (MeV)

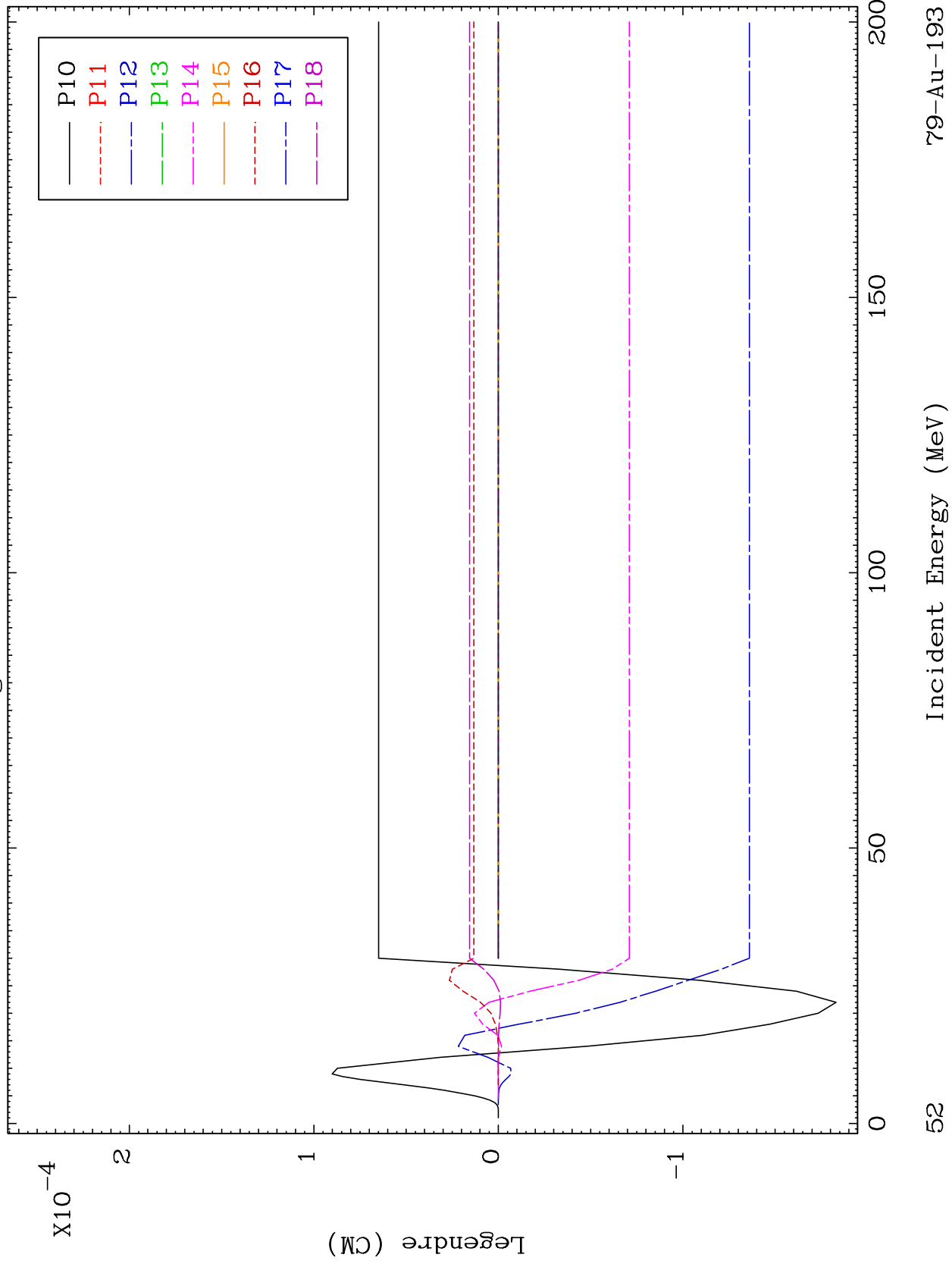
79-Au-193



MAT 7913

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

79-Au-193



52

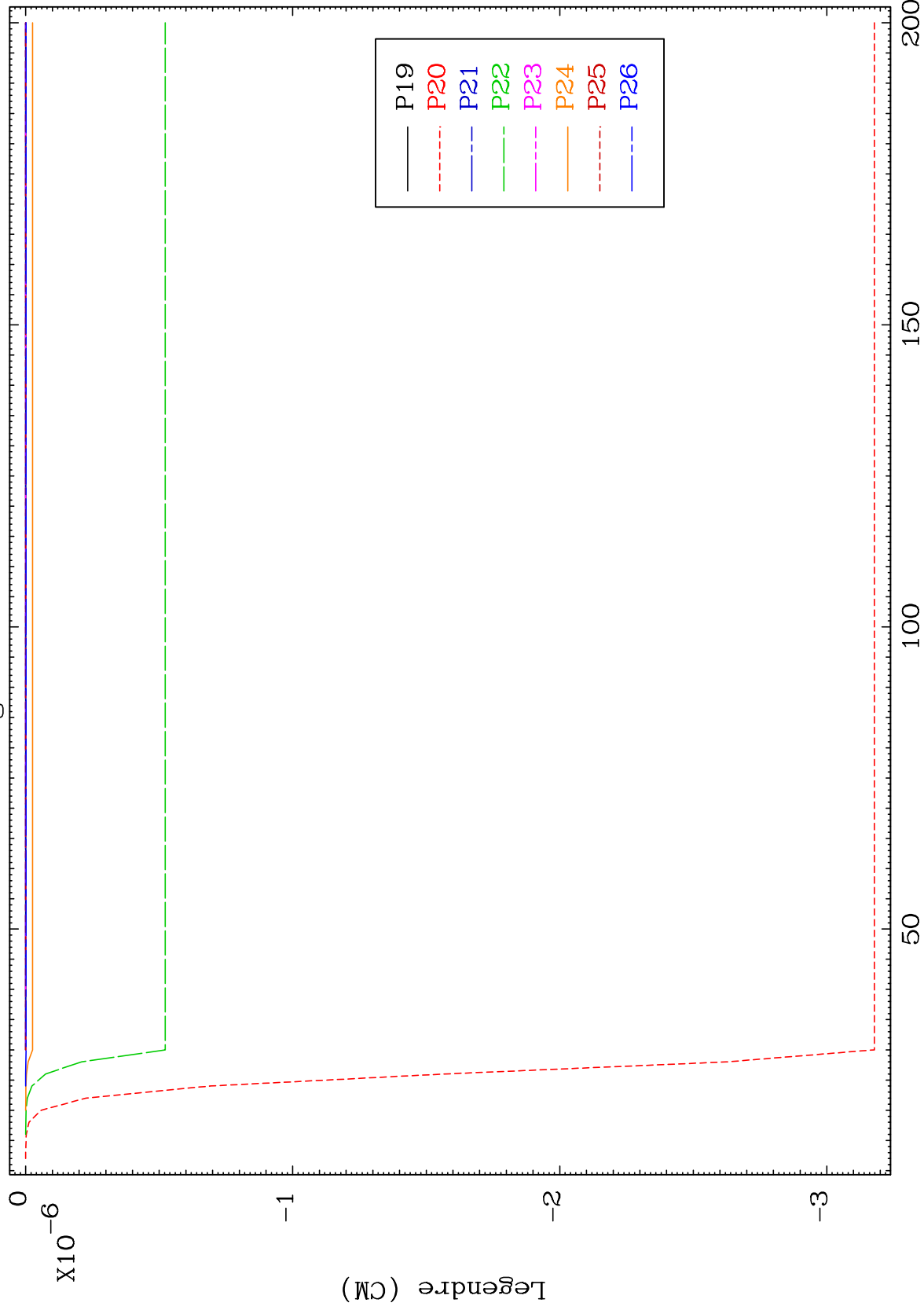
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



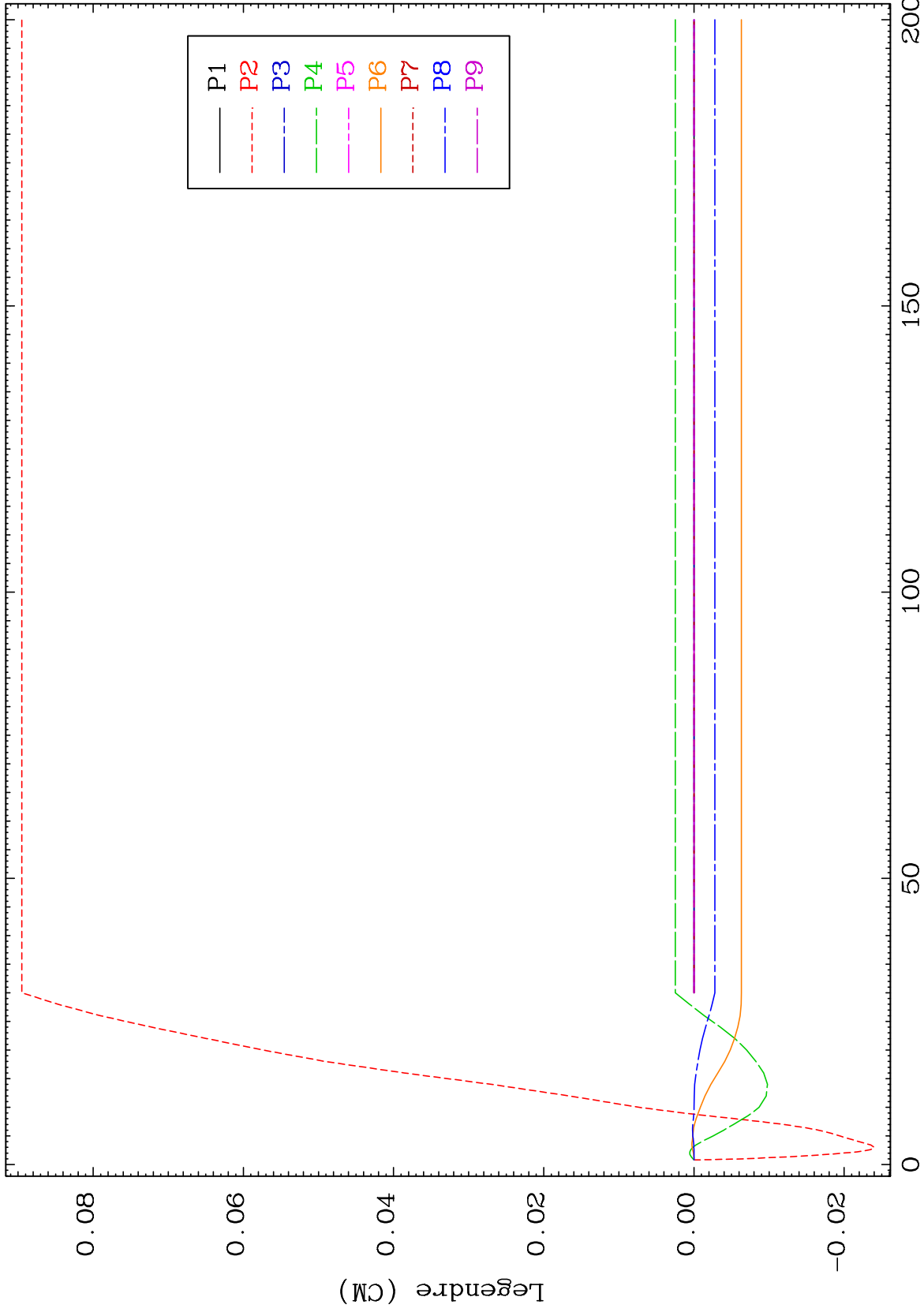
53

79-Au-193

MAT 7913

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

79-Au-193



54

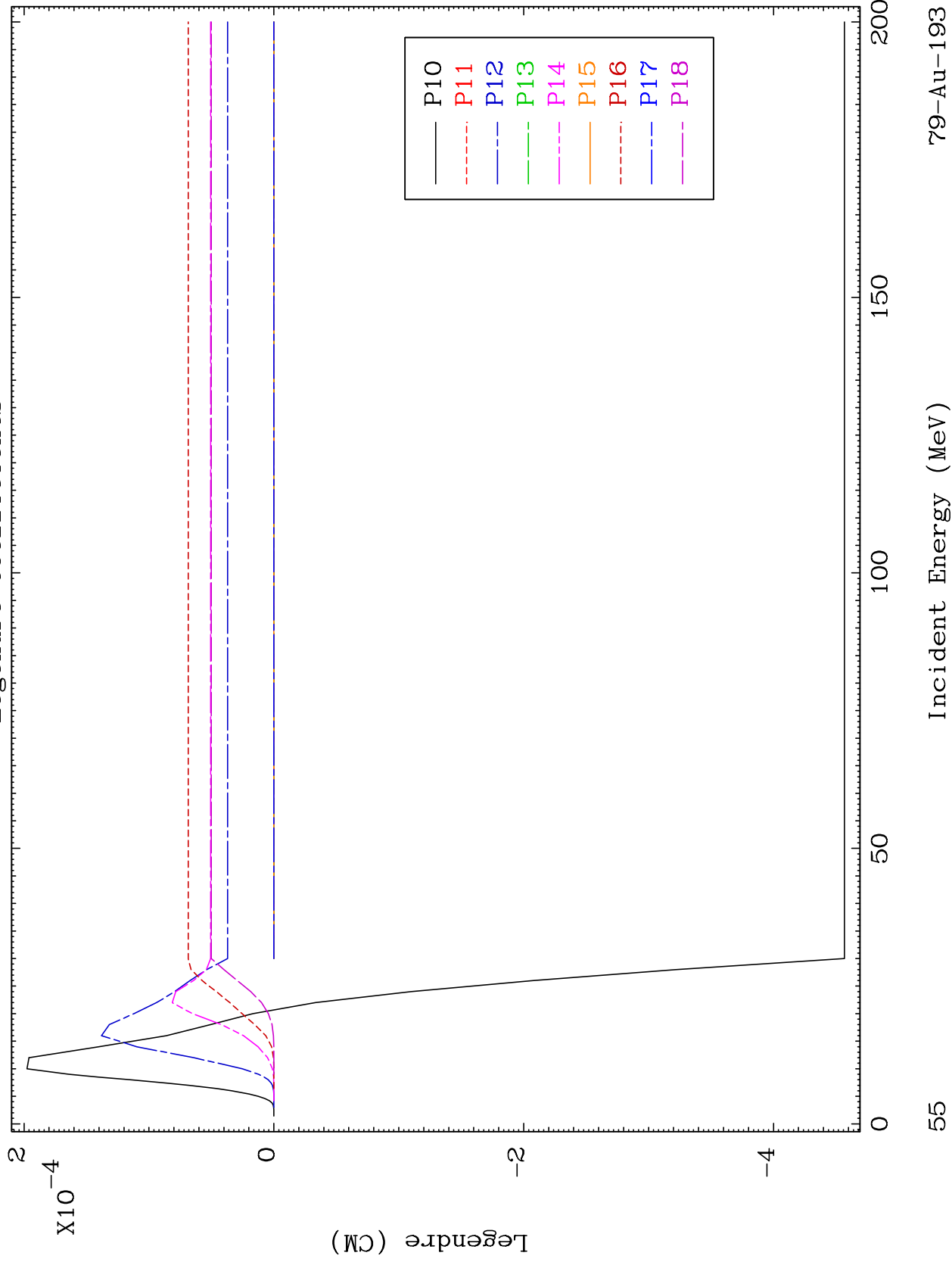
Incident Energy (MeV)

79-Au-193

MAT 7913

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

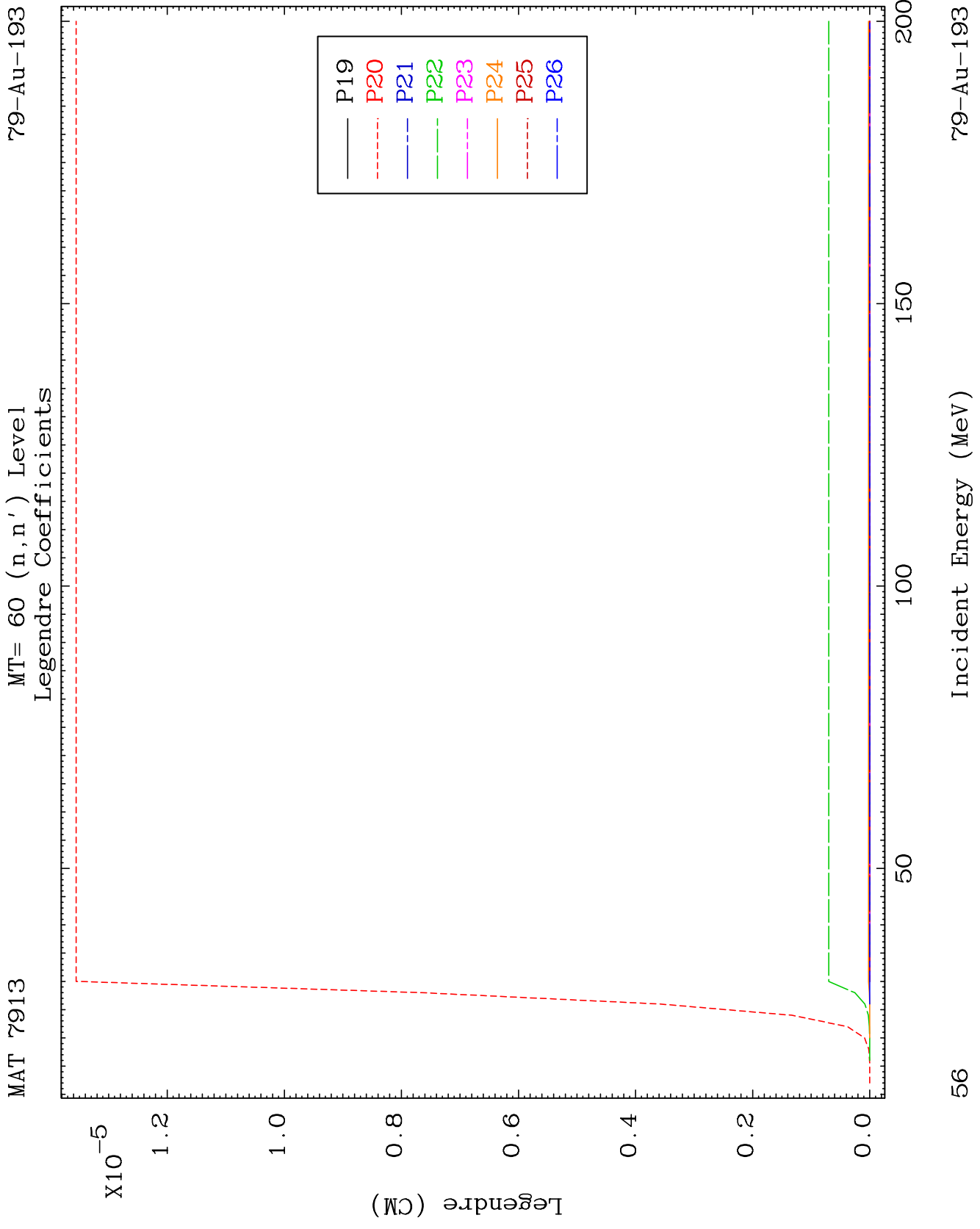
79-Au-193

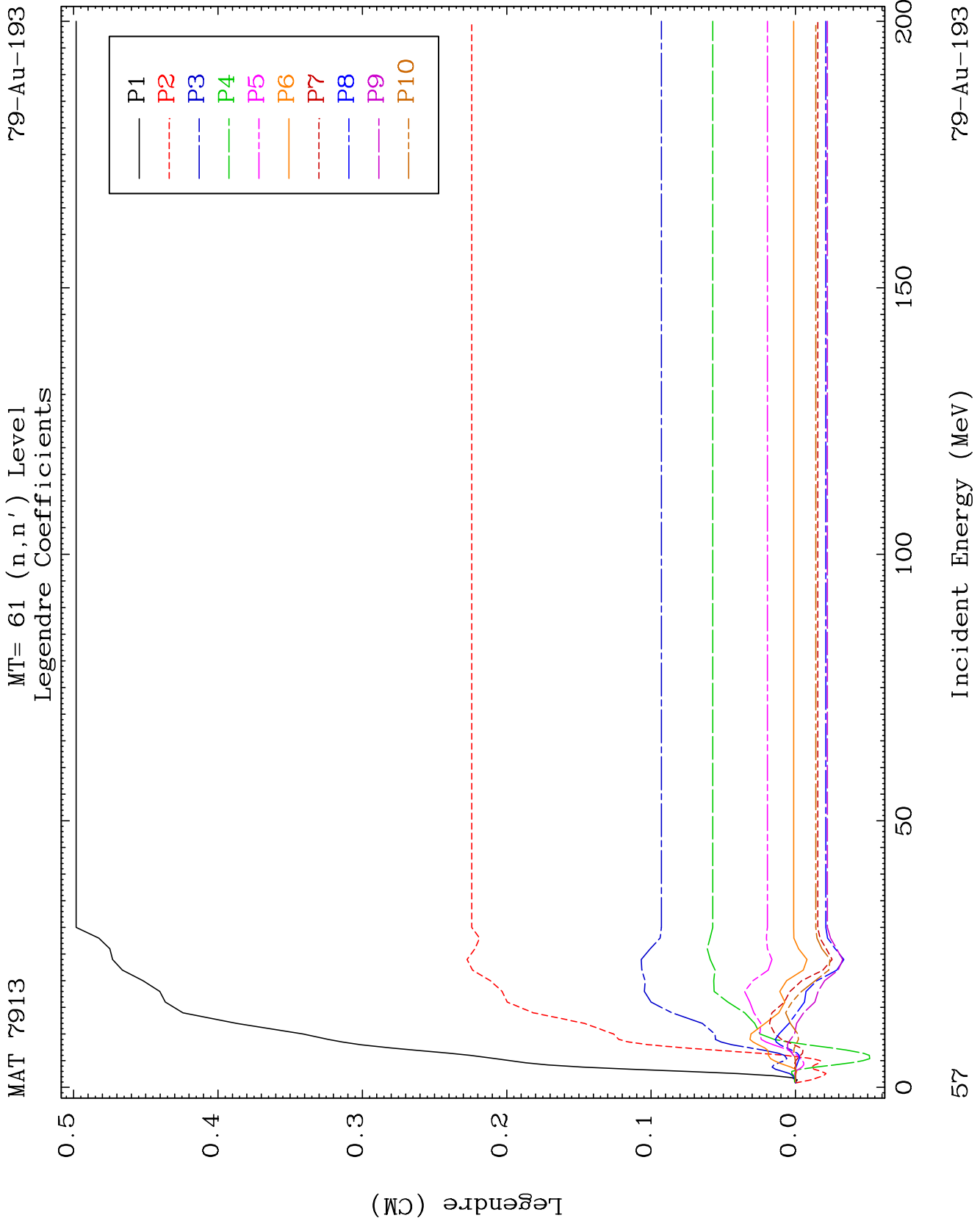


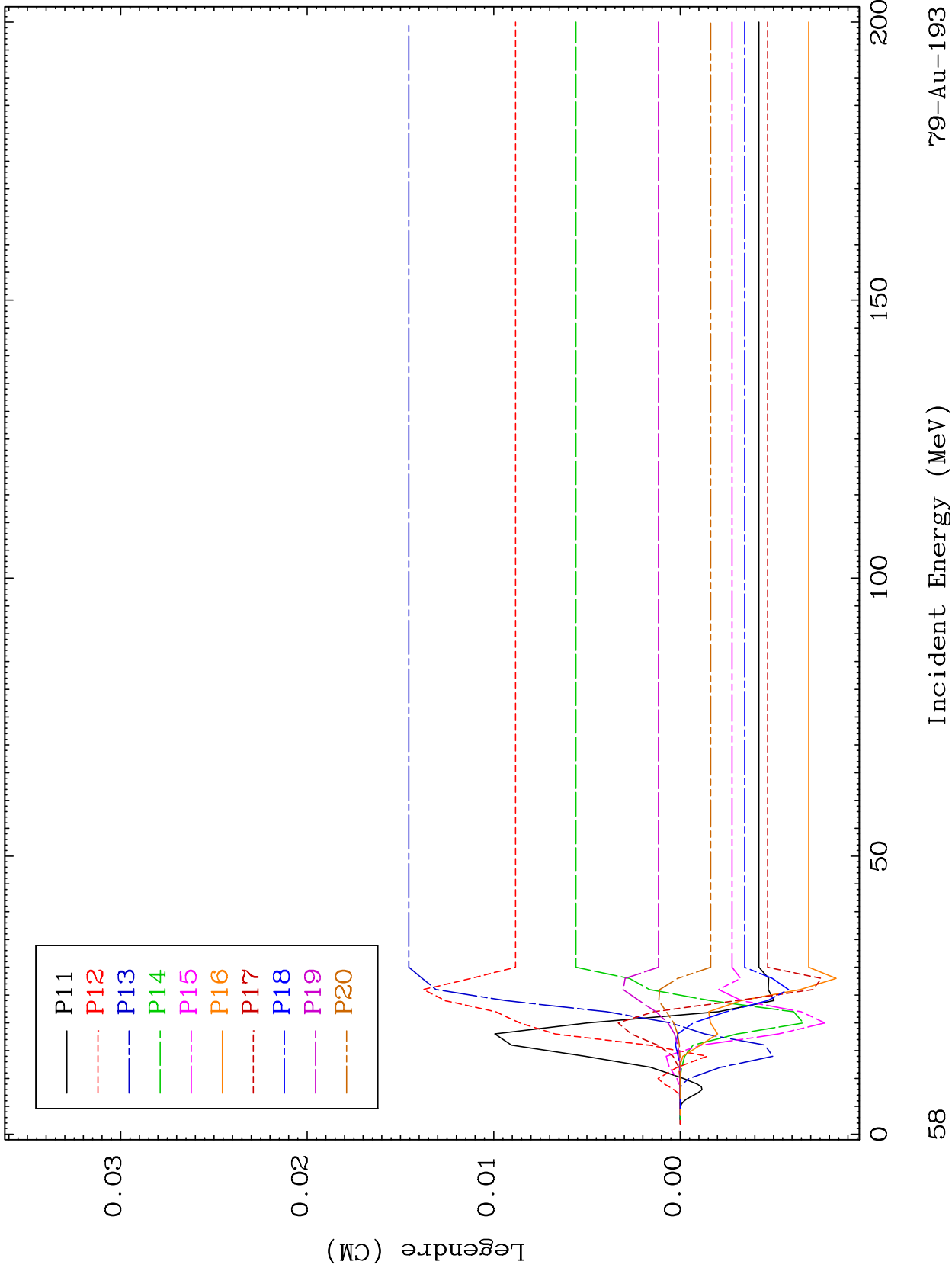
55

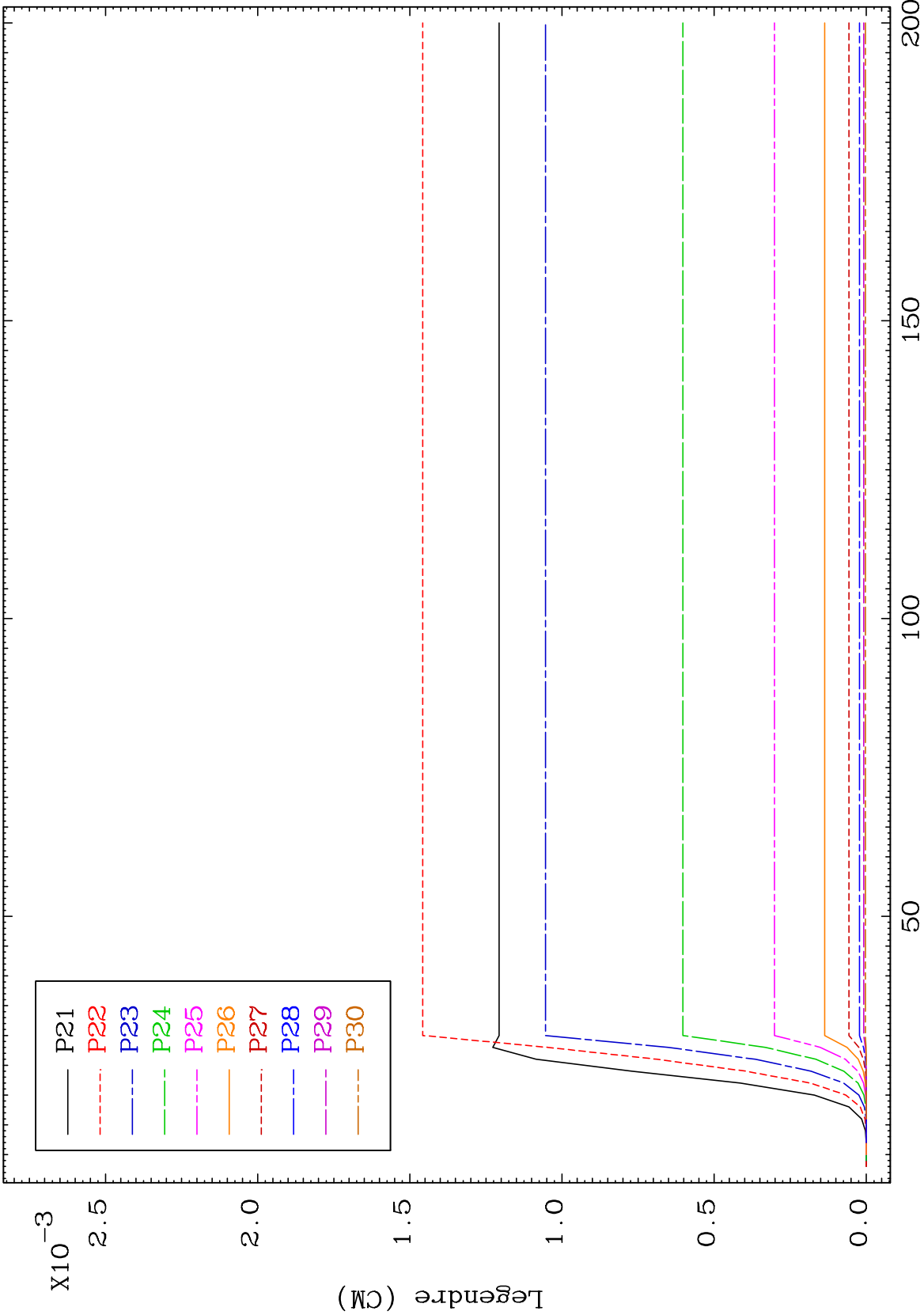
Incident Energy (MeV)

79-Au-193





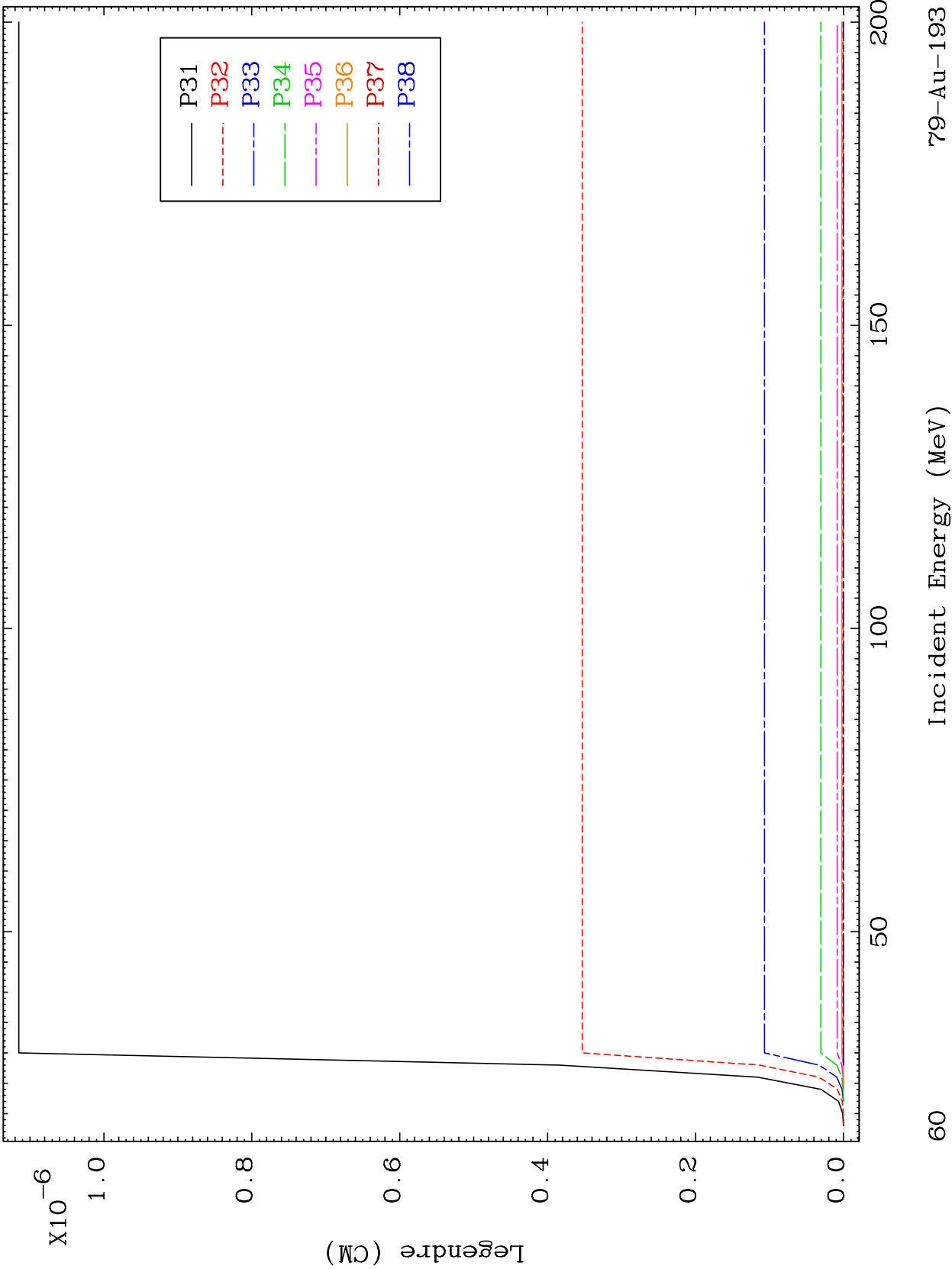




MAT 7913

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

79-Au-193



79-Au-193

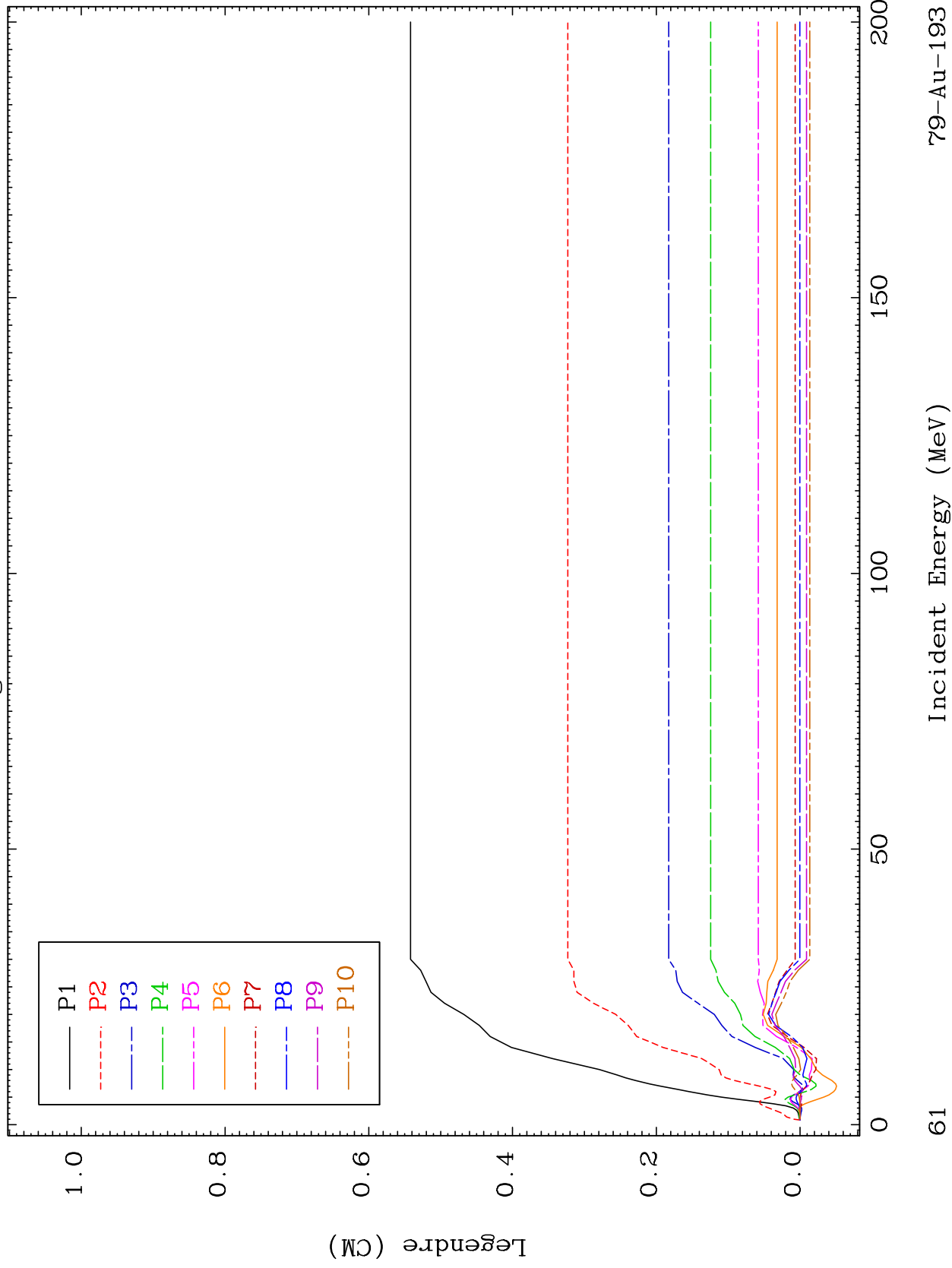
Incident Energy (MeV)

60

MAT 7913

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

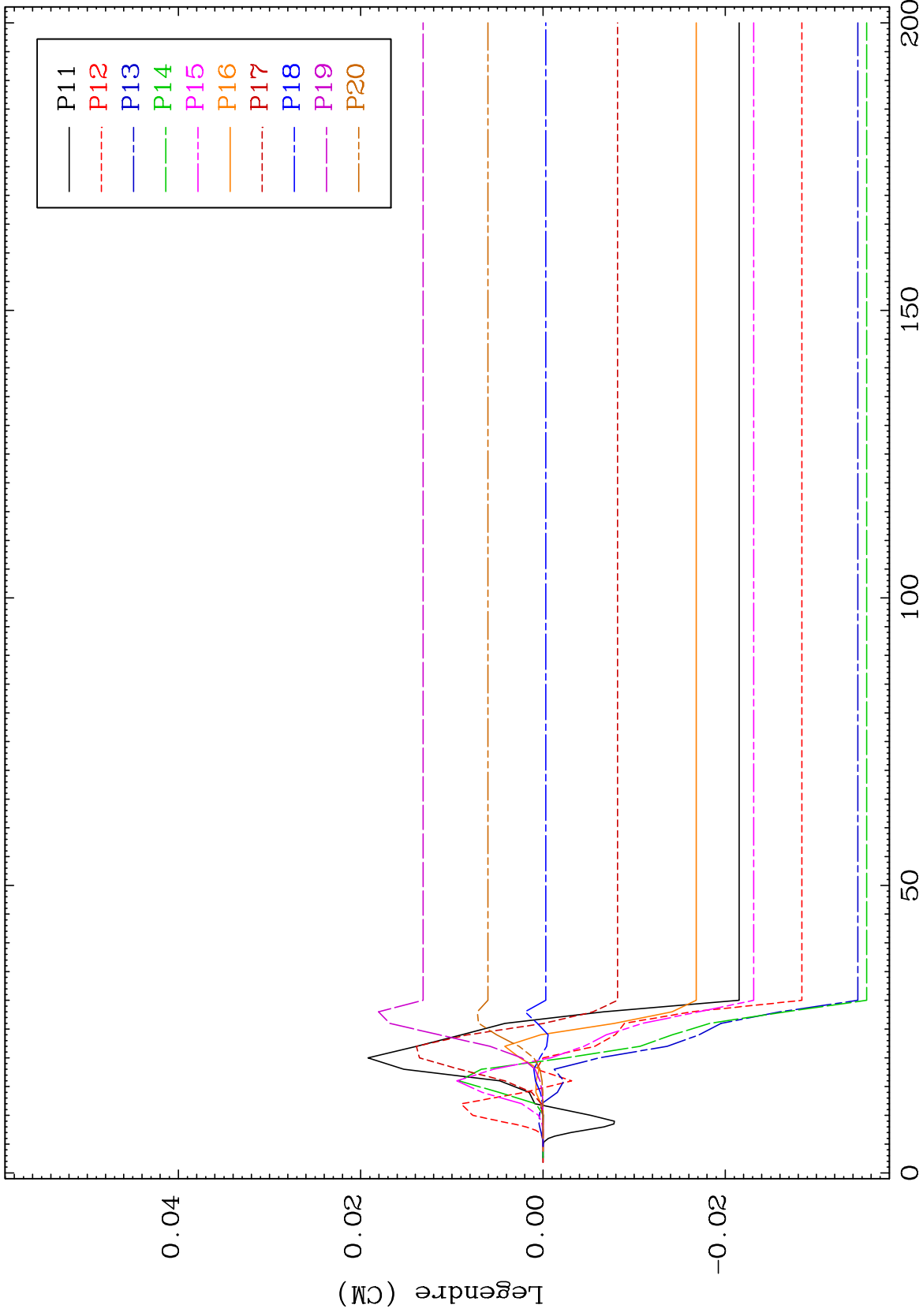
79-Au-193



MAT 7913

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

79-Au-193



62

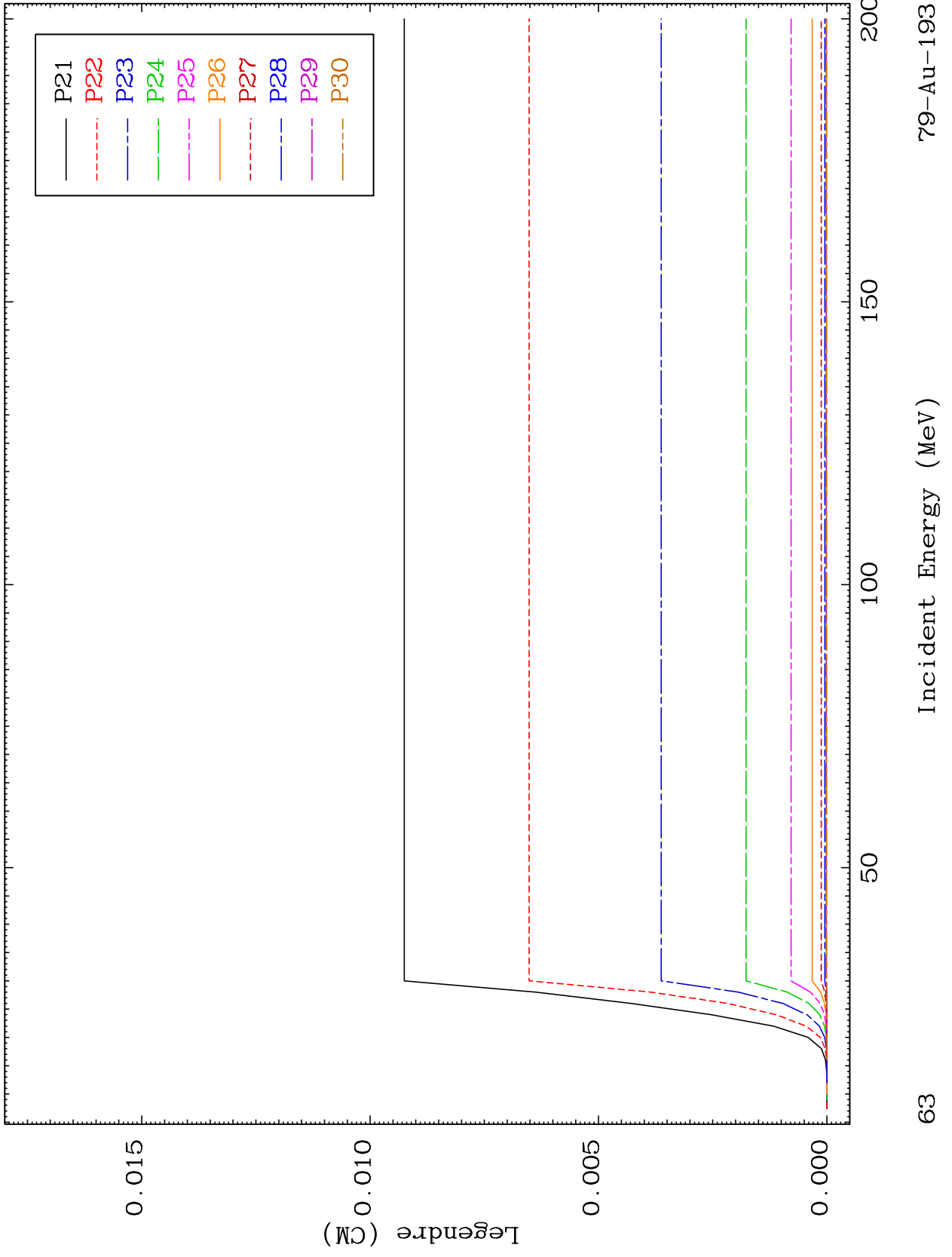
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



63

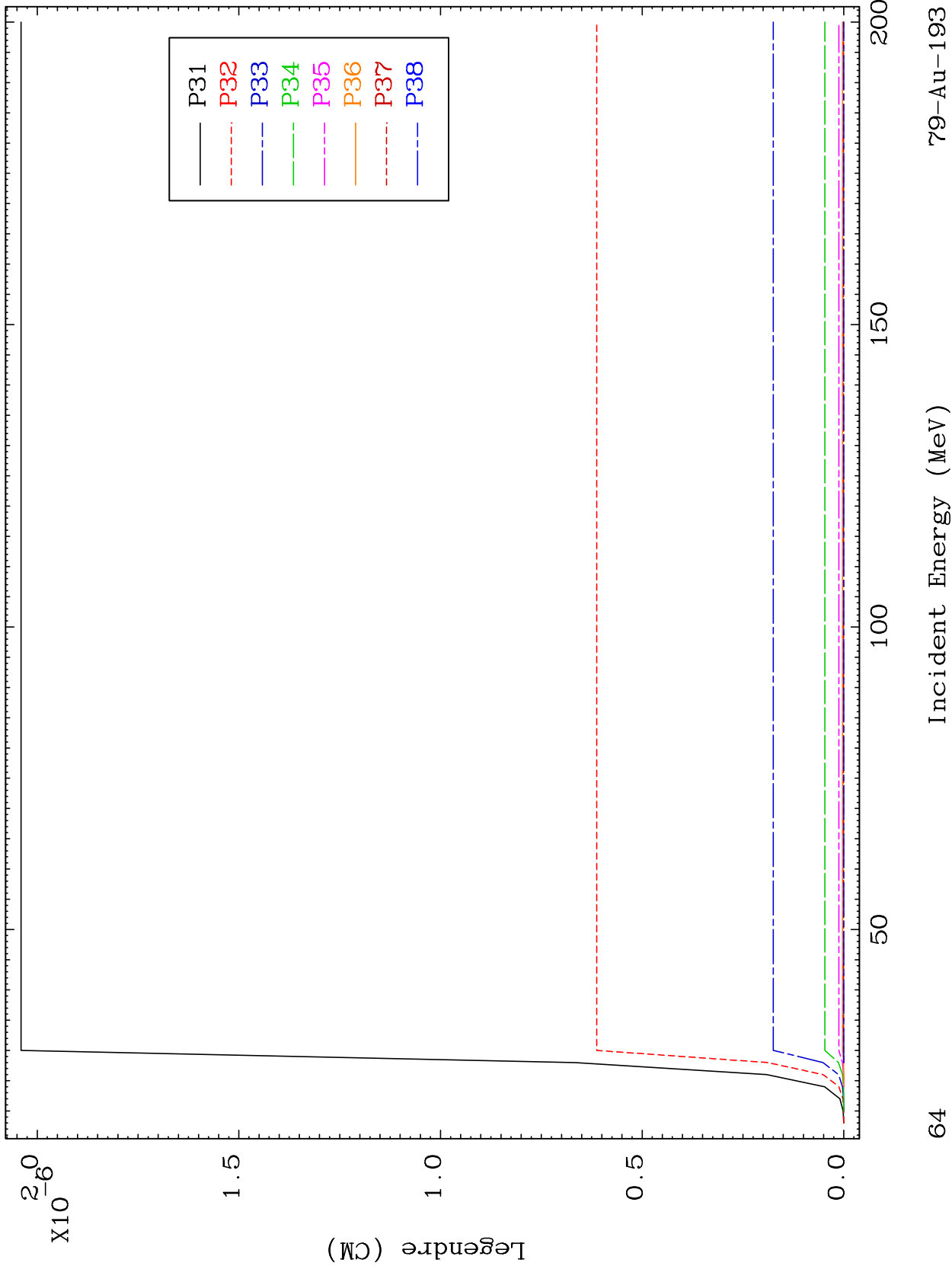
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



64

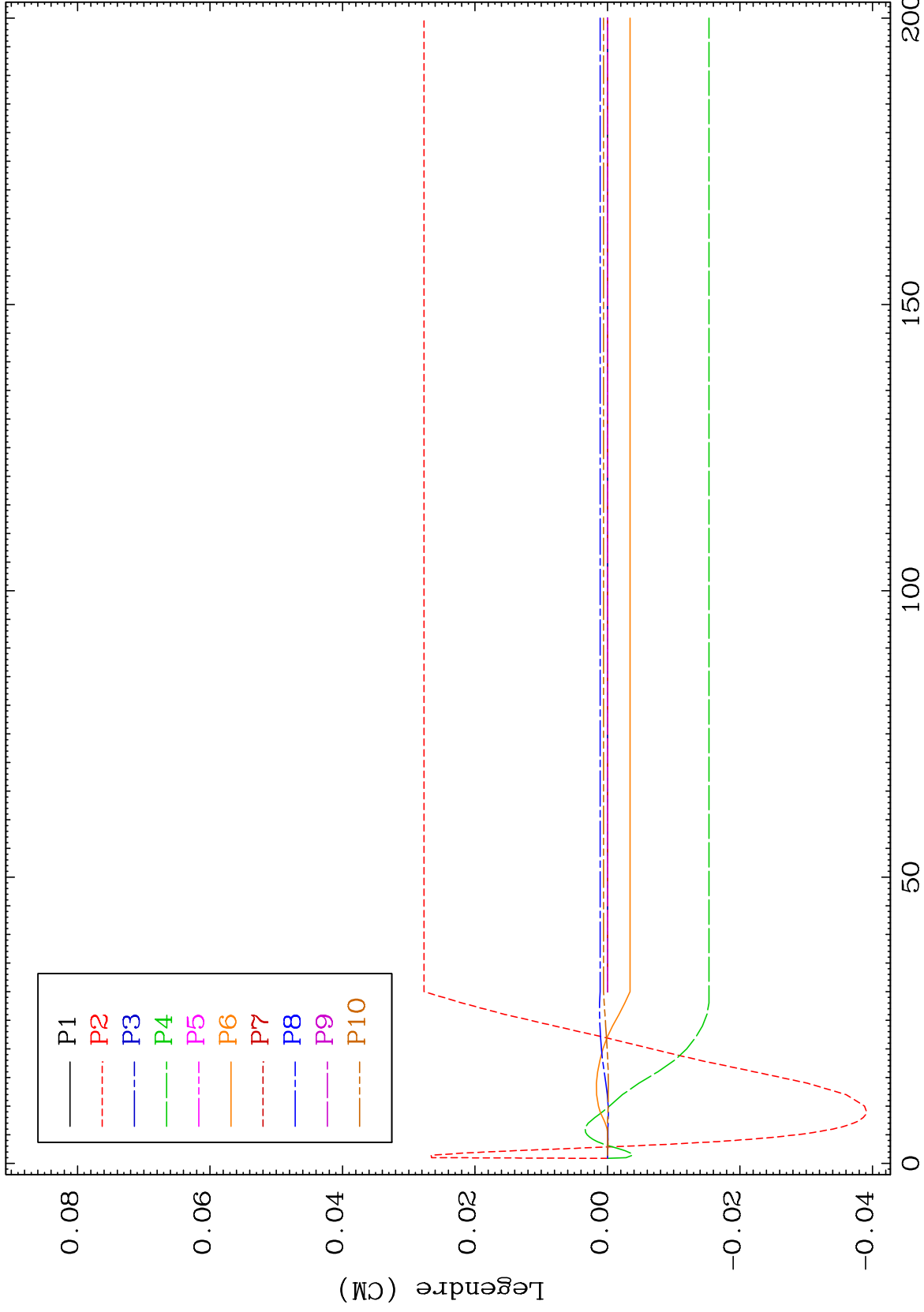
Incident Energy (MeV)

79-Au-193

MAT 7913

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

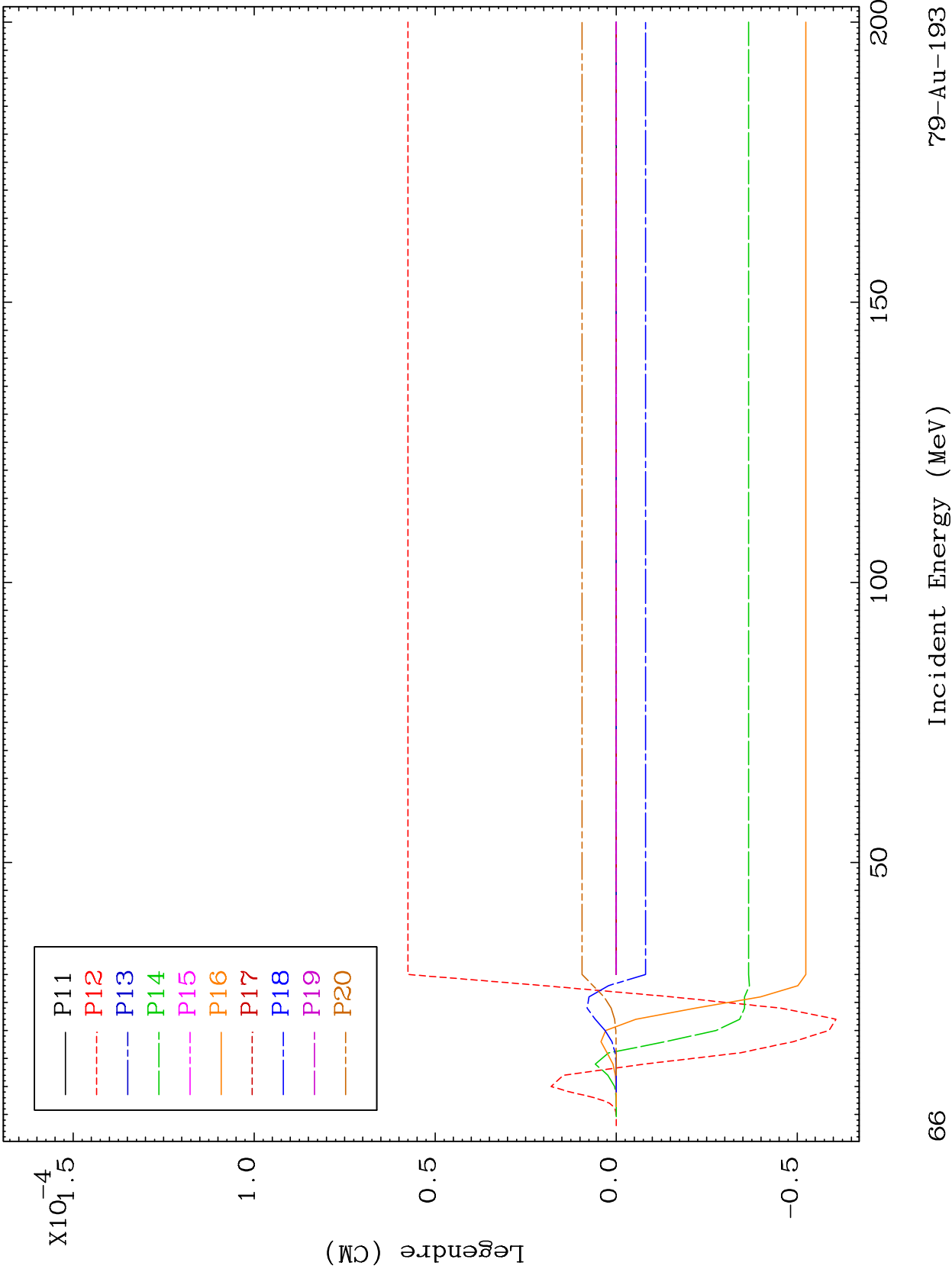
79-Au-193



65

79-Au-193

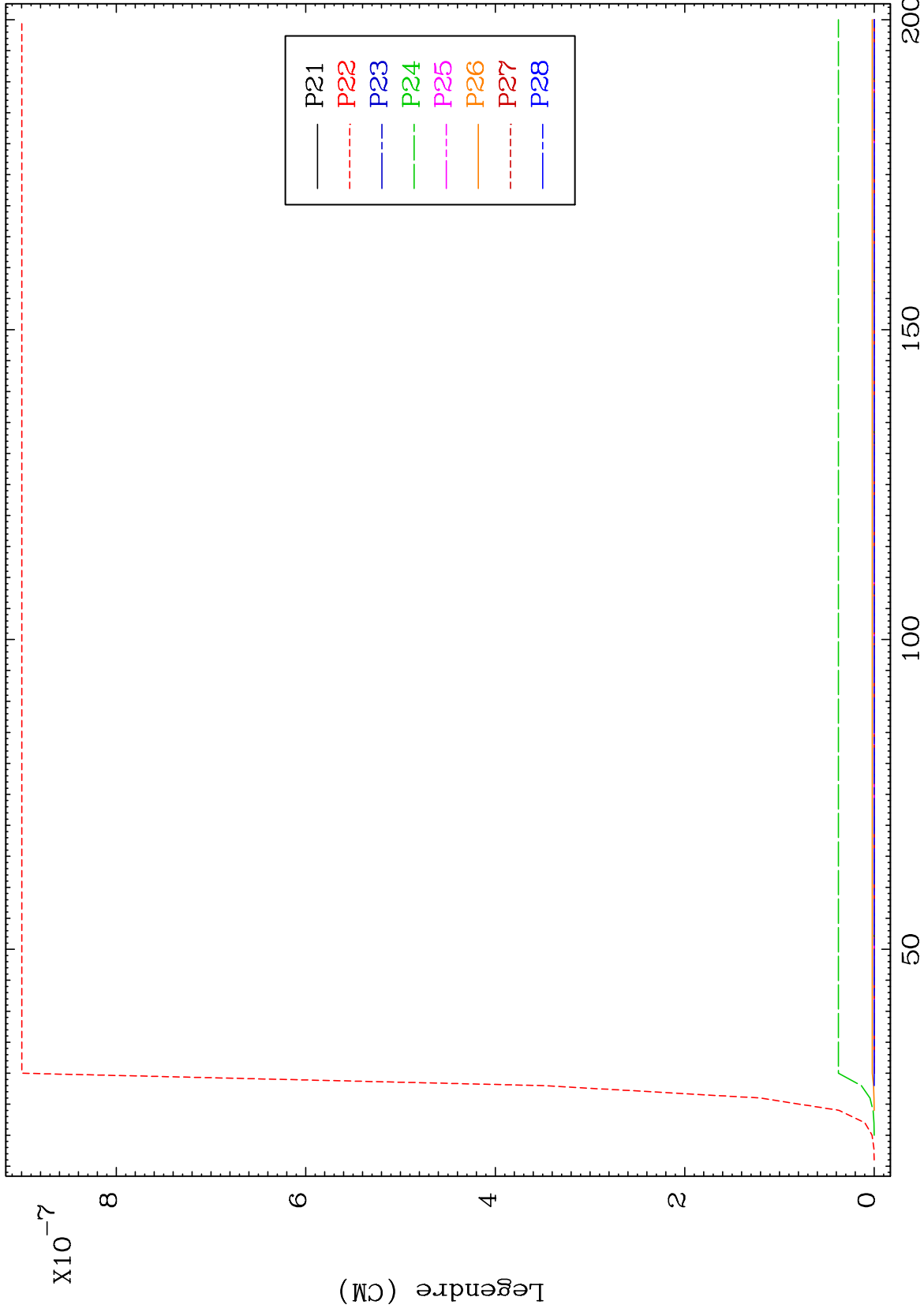
79-Au-193



MAT 7913

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

79-Au-193



67

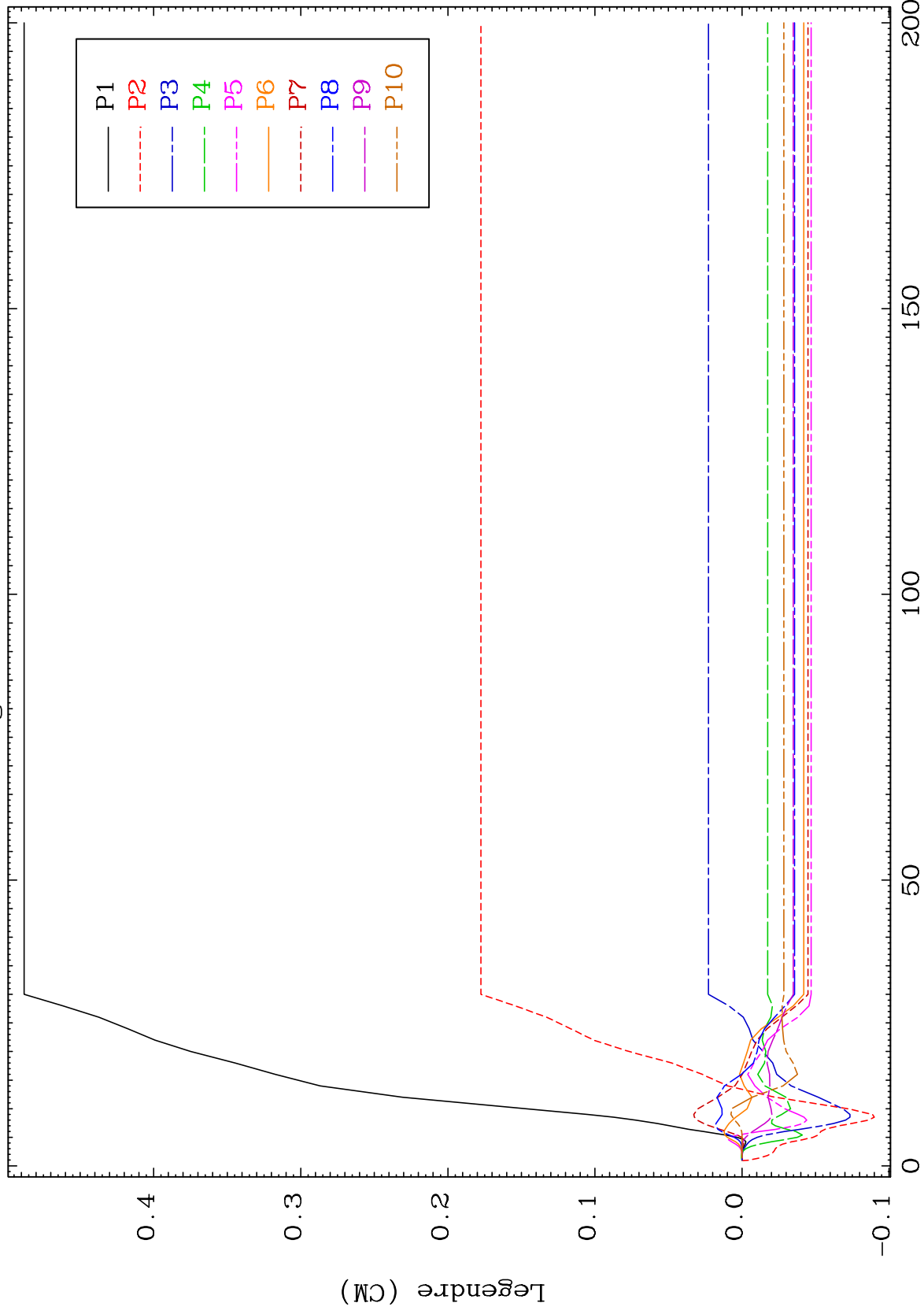
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



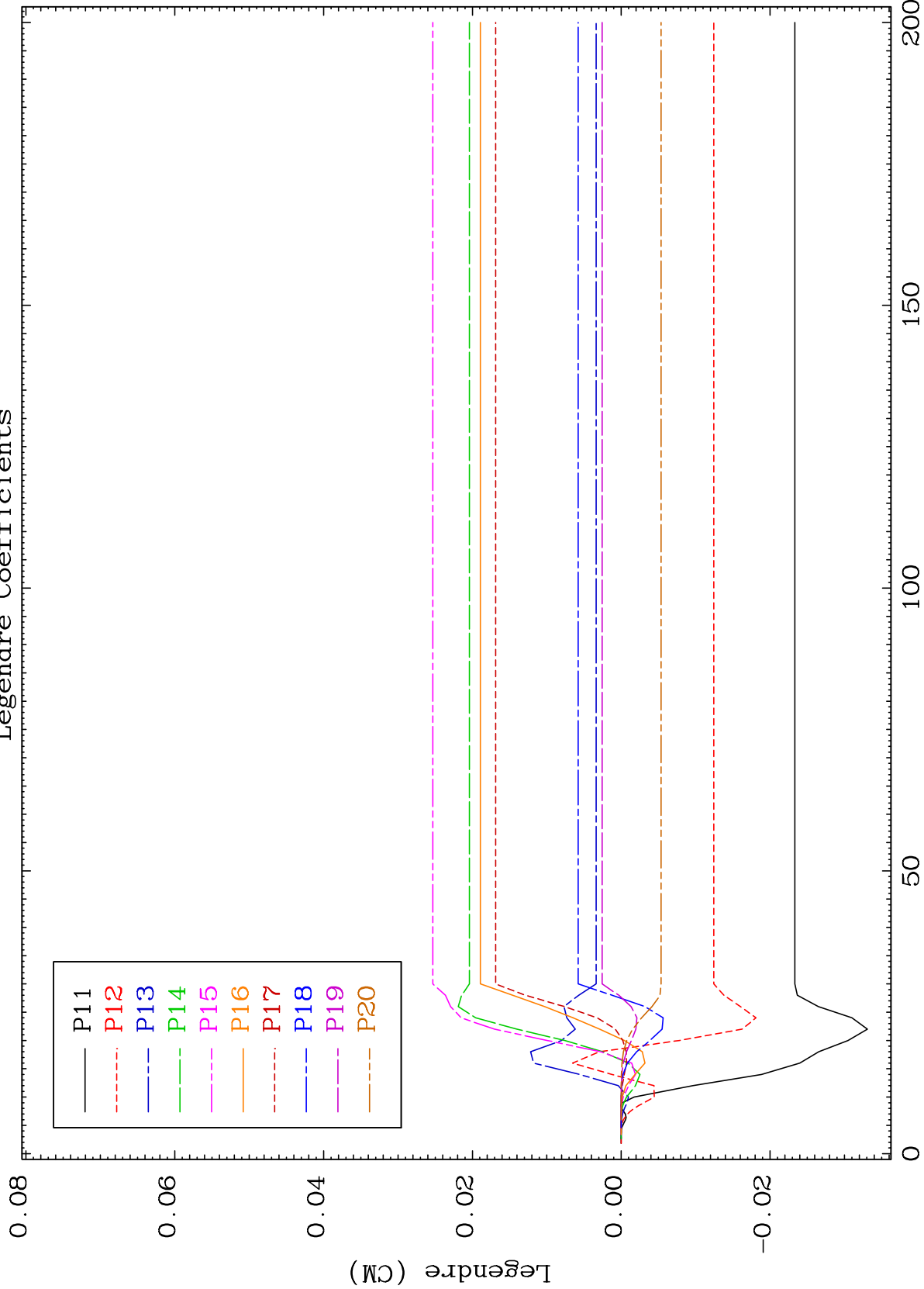
68

79-Au-193

MAT 7913

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

79-Au-193



69

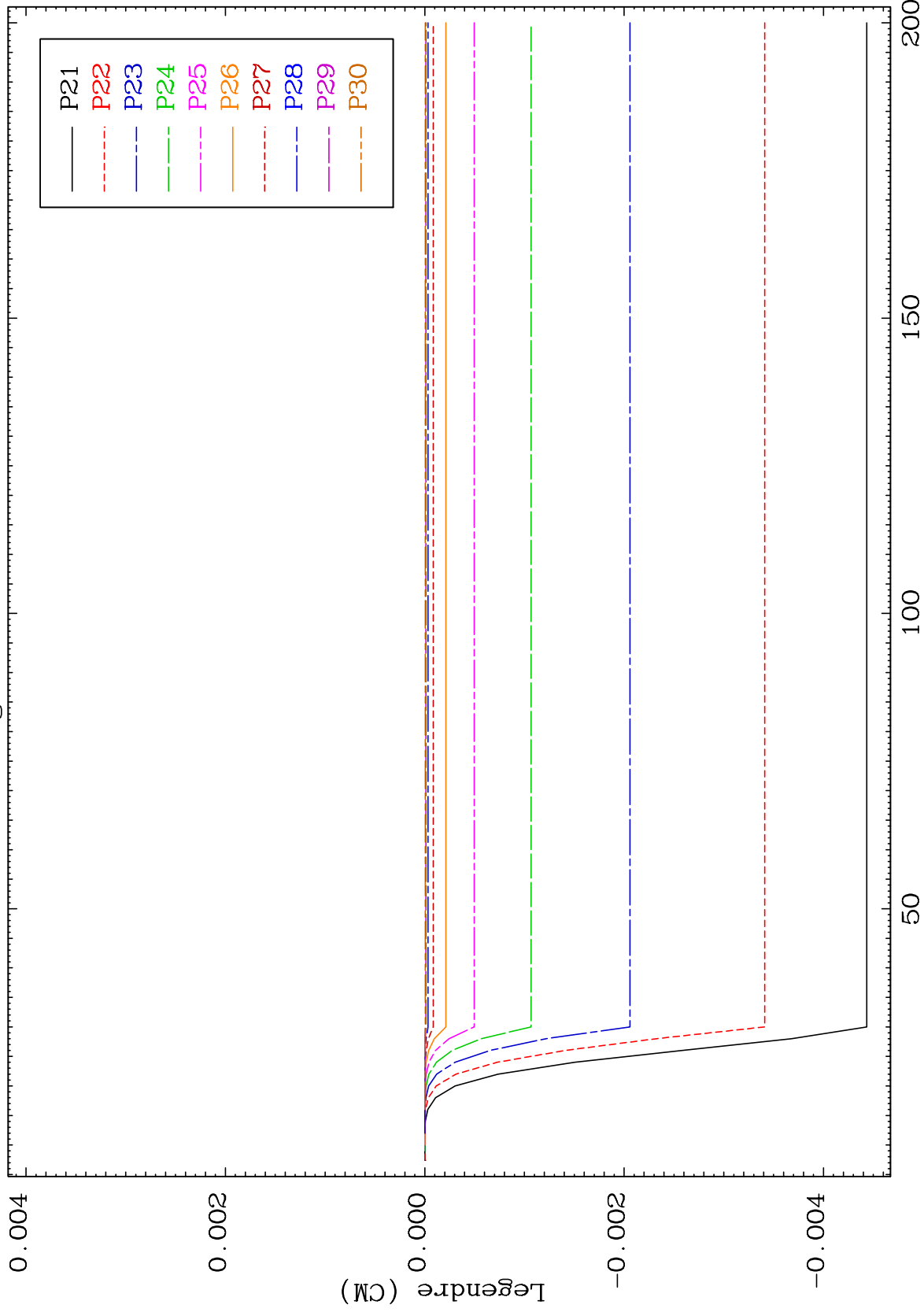
Incident Energy (MeV)

79-Au-193

MAT 7913

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

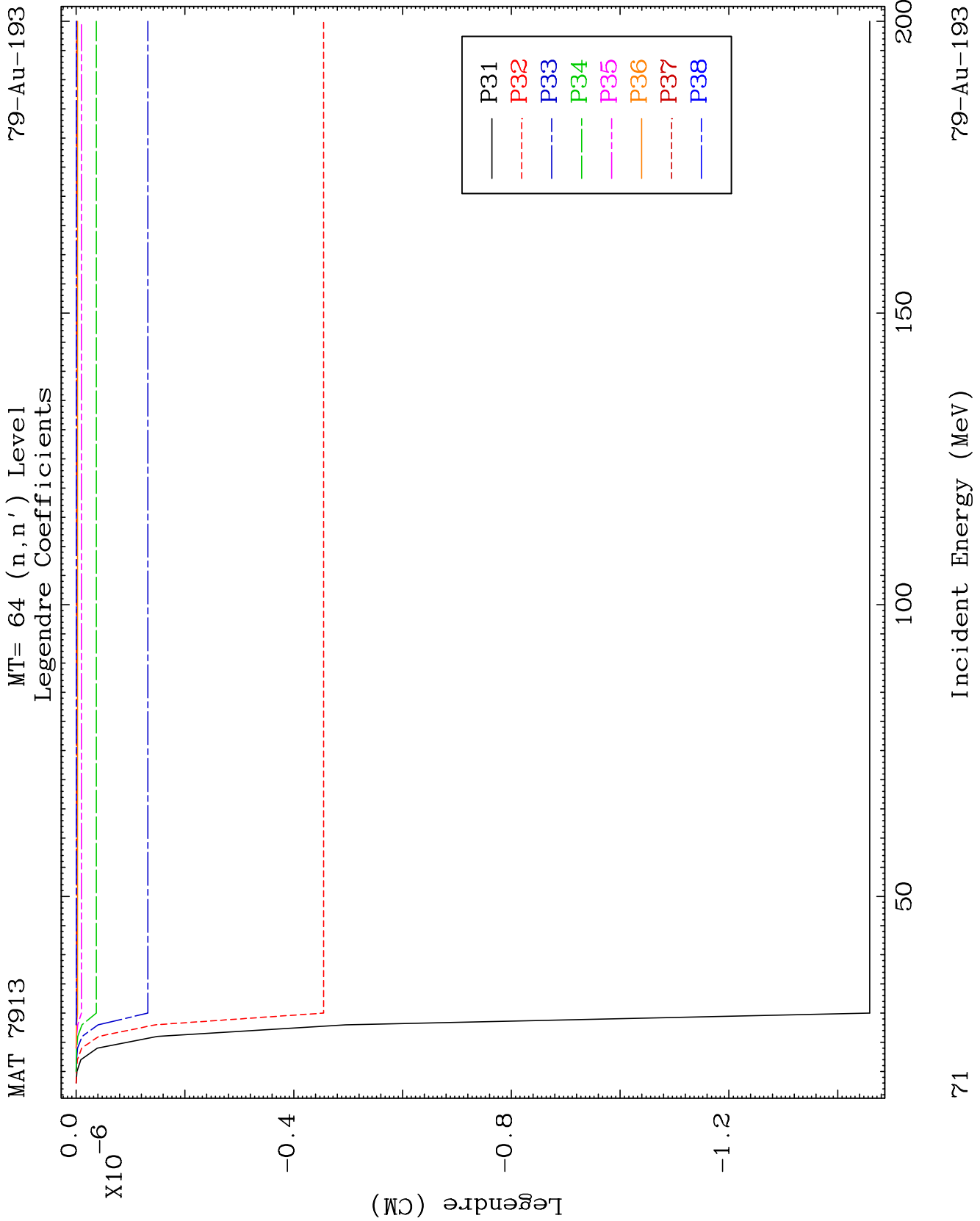
79-Au-193



70

Incident Energy (MeV)

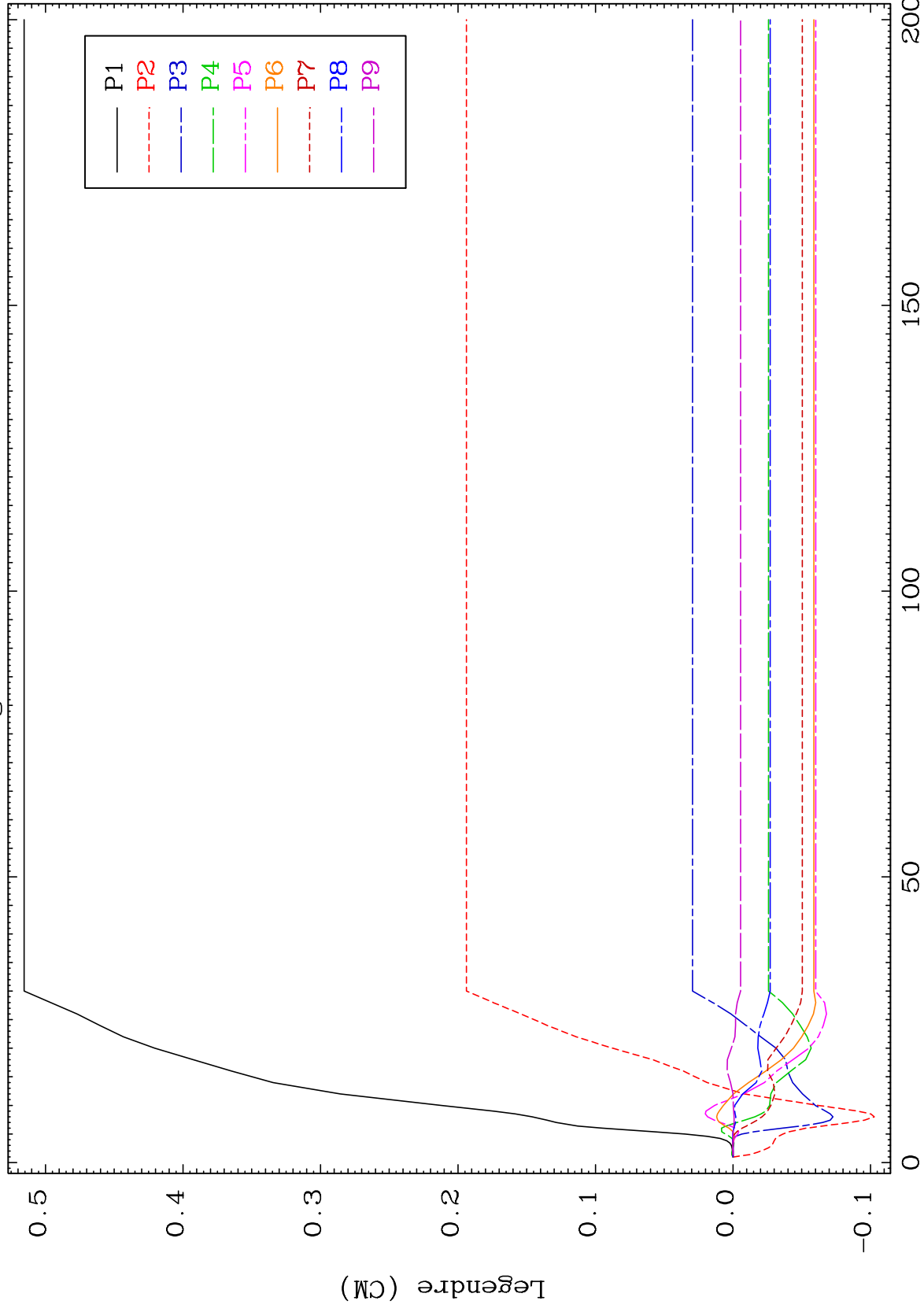
79-Au-193



MAT 7913

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

79-Au-193



72

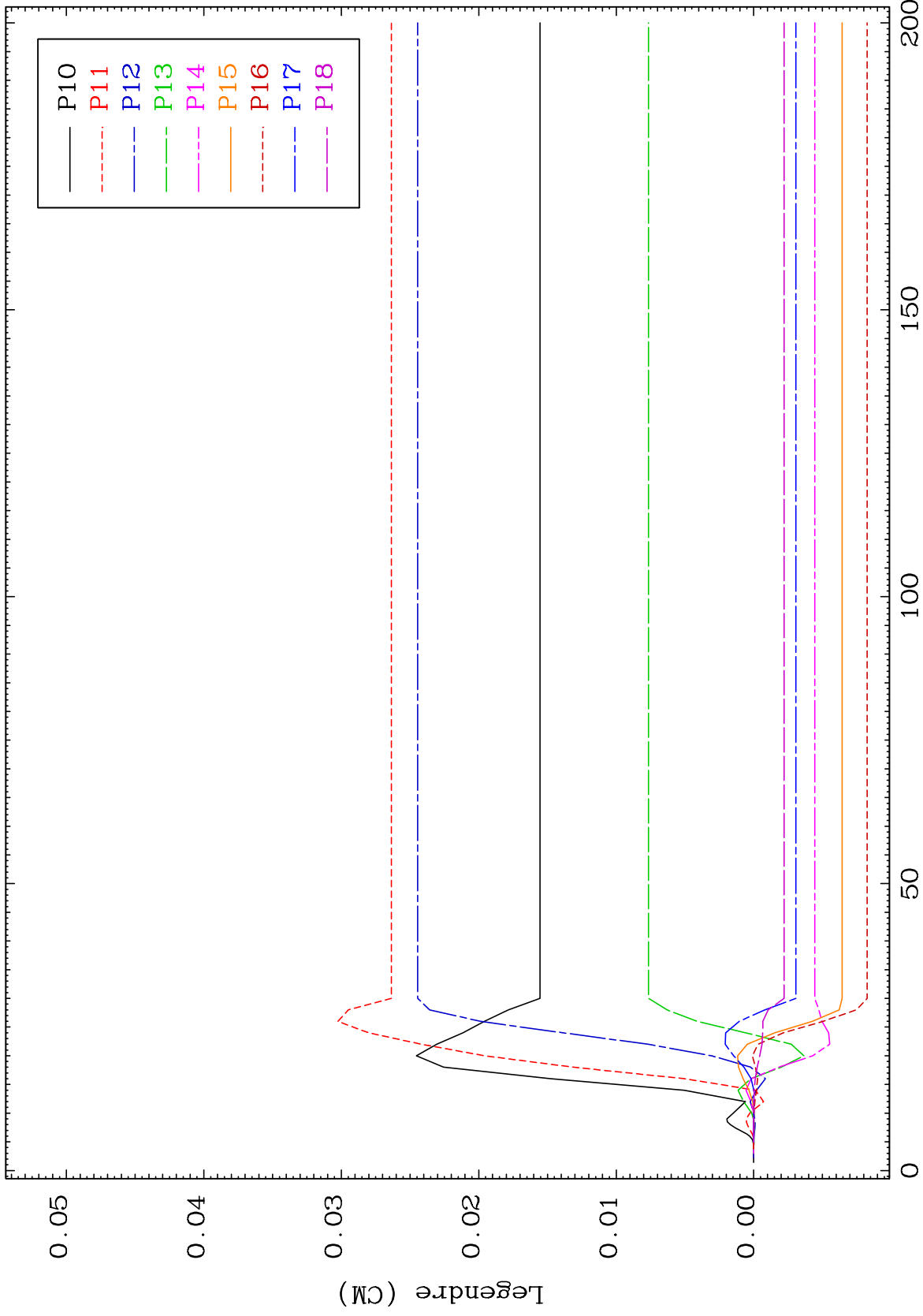
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



73

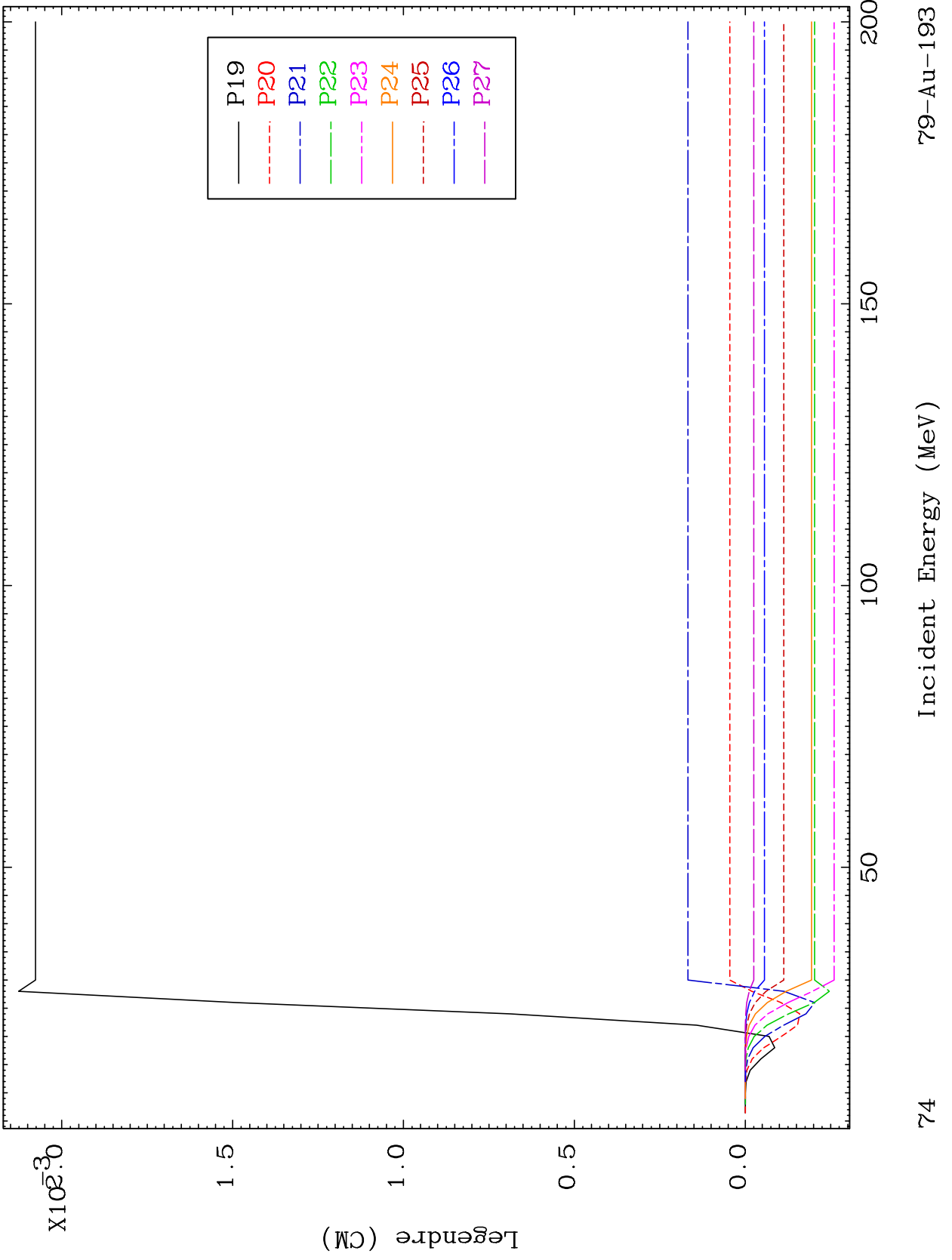
Incident Energy (MeV)

79-Au-193

MAT 7913

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

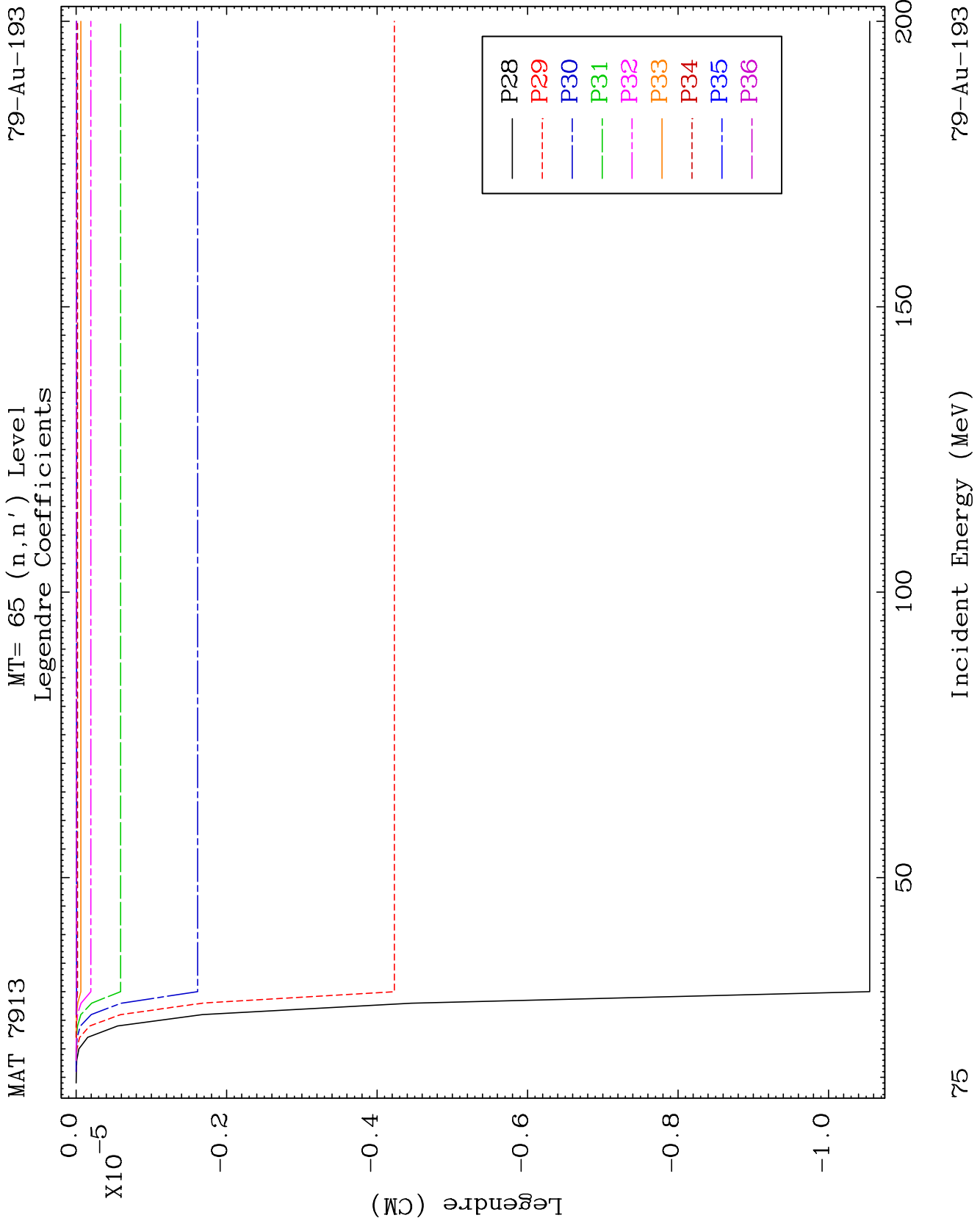
79-Au-193



74

Incident Energy (MeV)

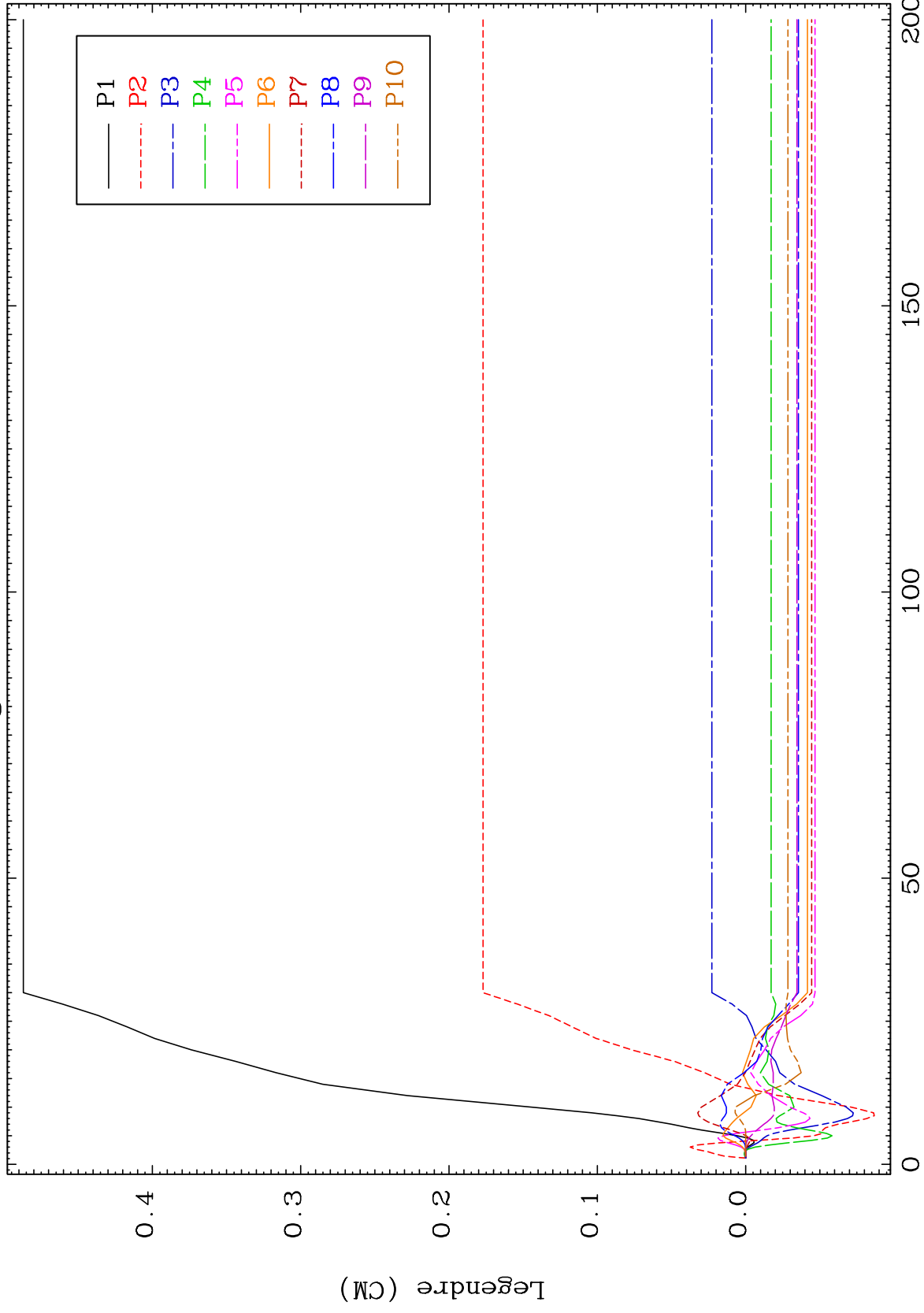
79-Au-193



MAT 7913

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

79-Au-193



76

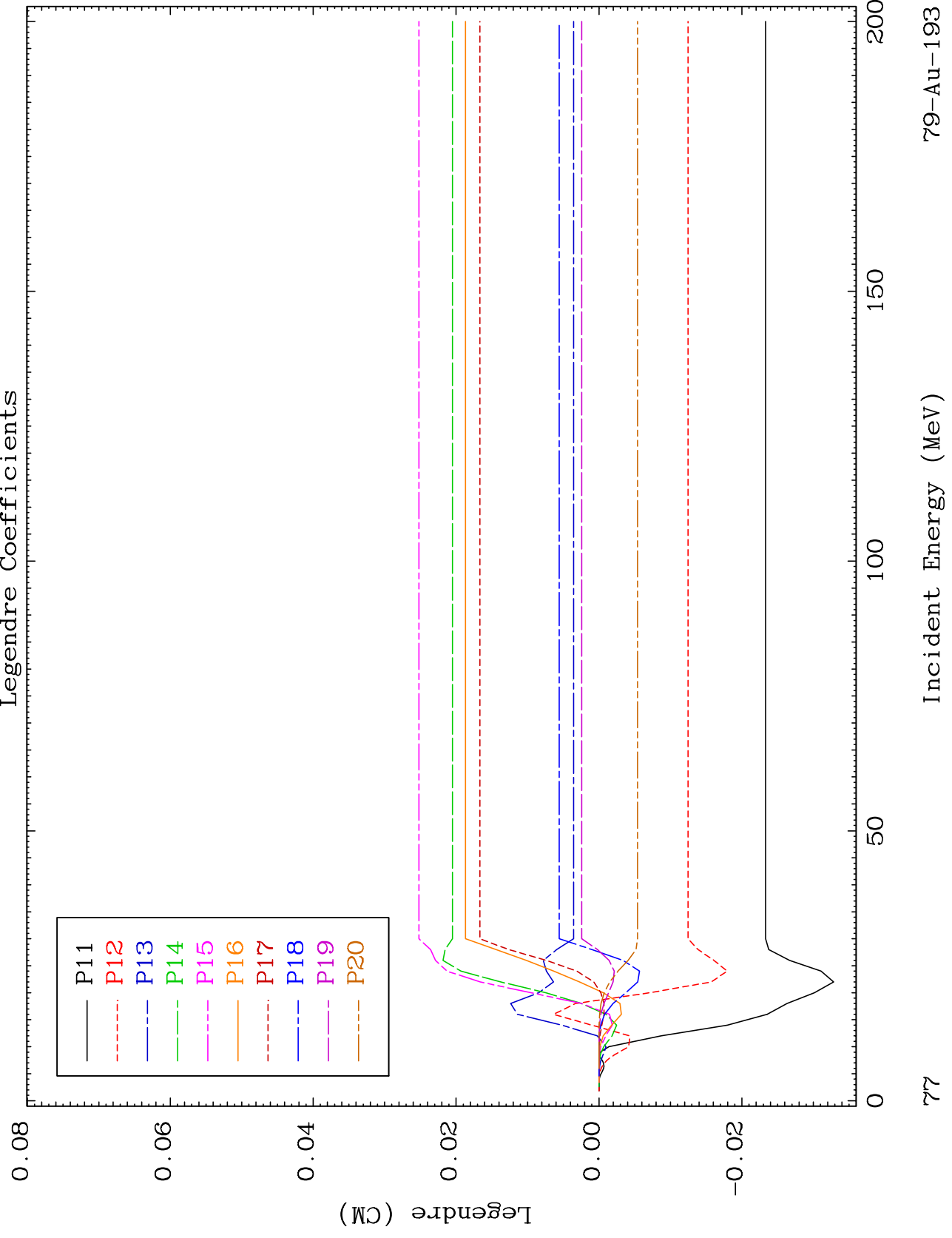
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



77

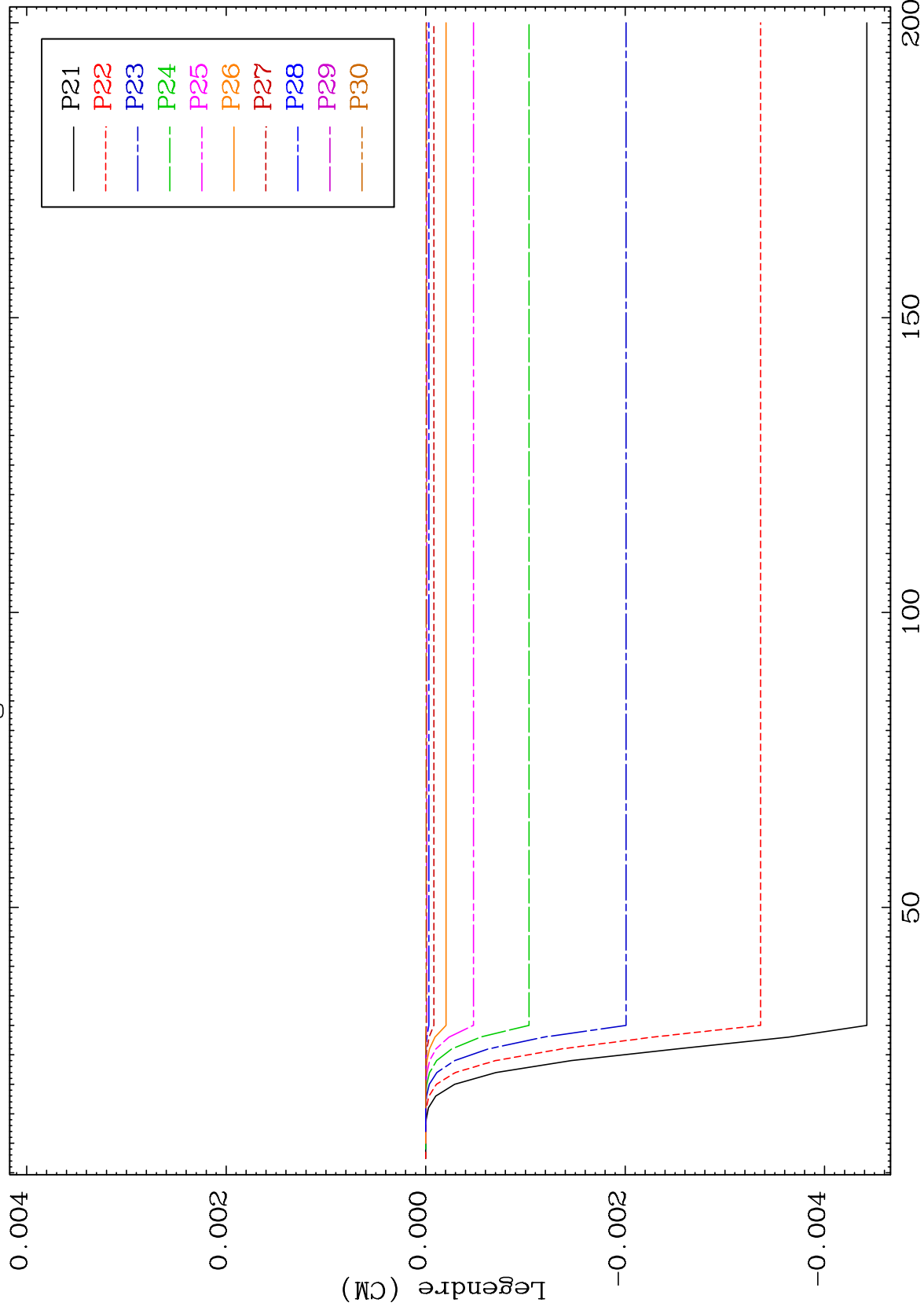
Incident Energy (MeV)

79-Au-193

MAT 7913

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

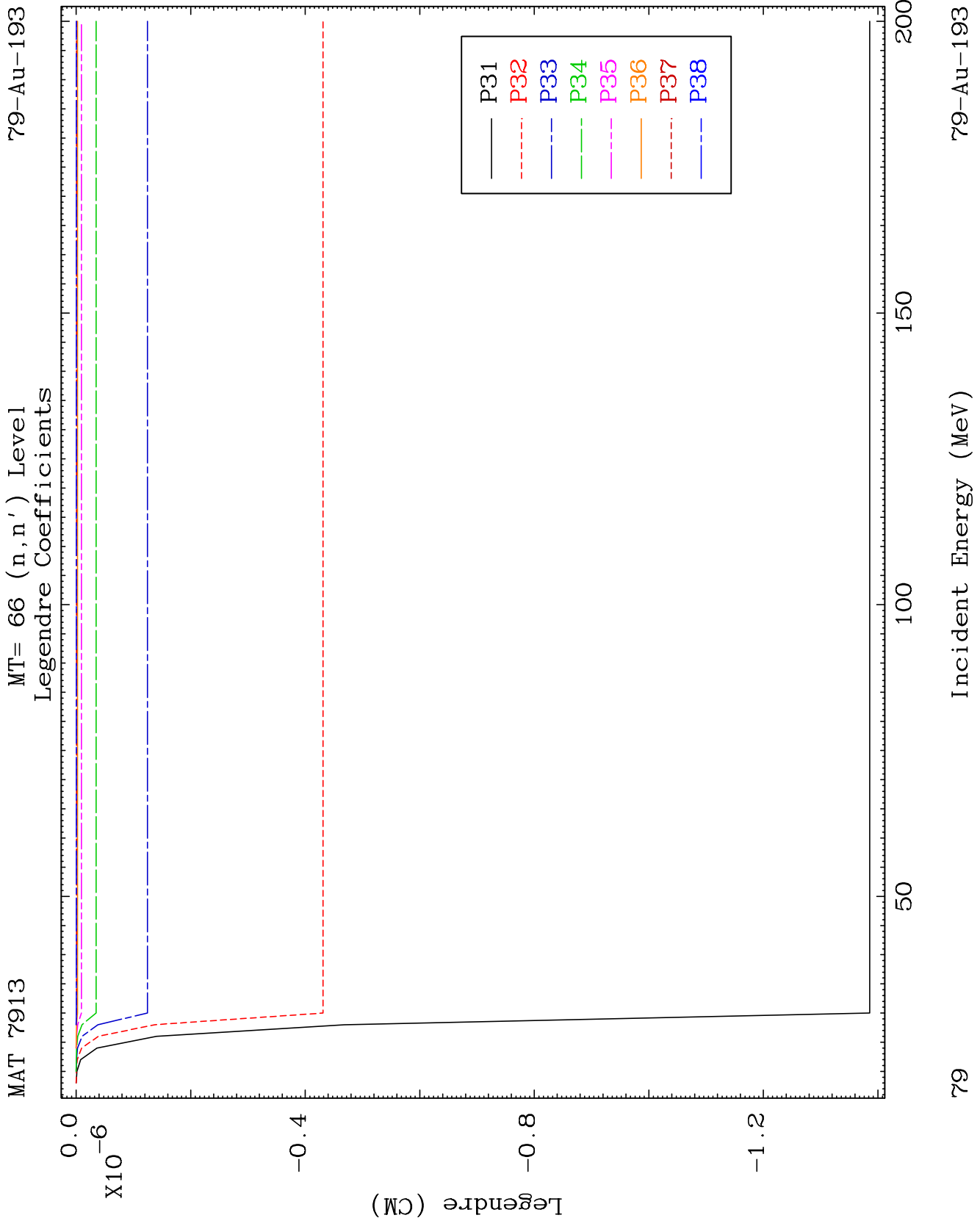
79-Au-193



78

Incident Energy (MeV)

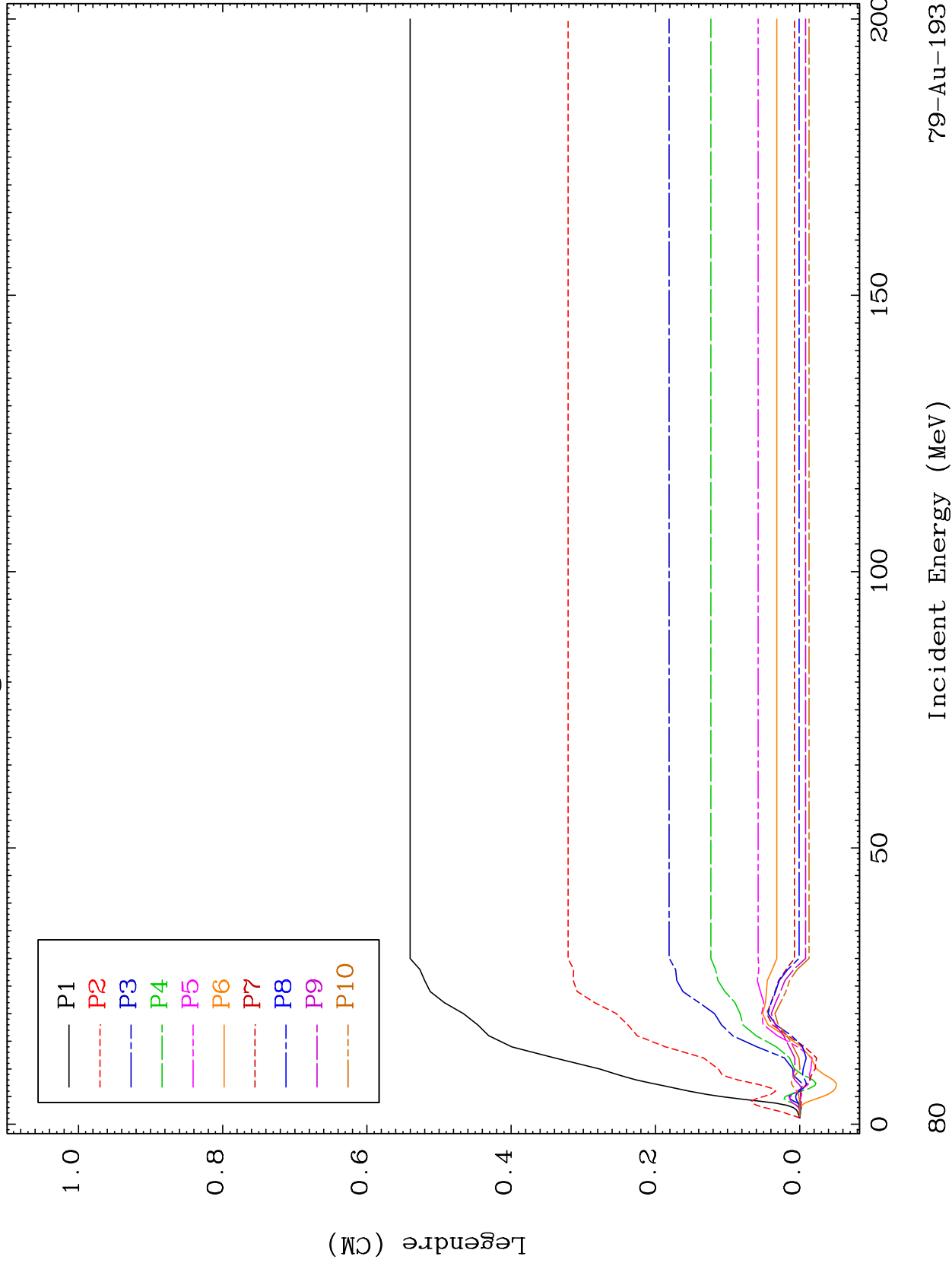
79-Au-193



MAT 7913

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

79-Au-193



79-Au-193

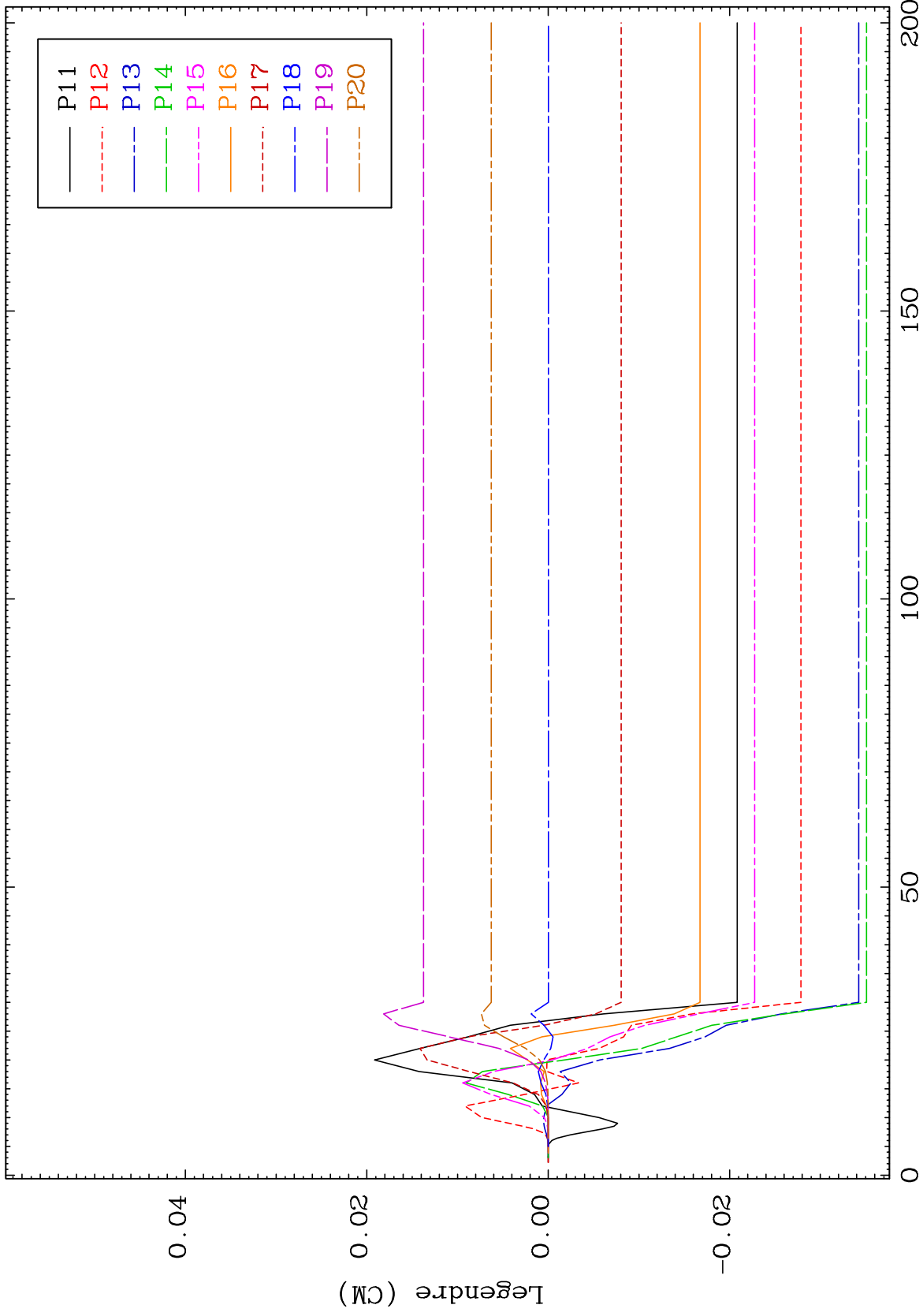
Incident Energy (MeV)

80

MAT 7913

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

79-Au-193



81

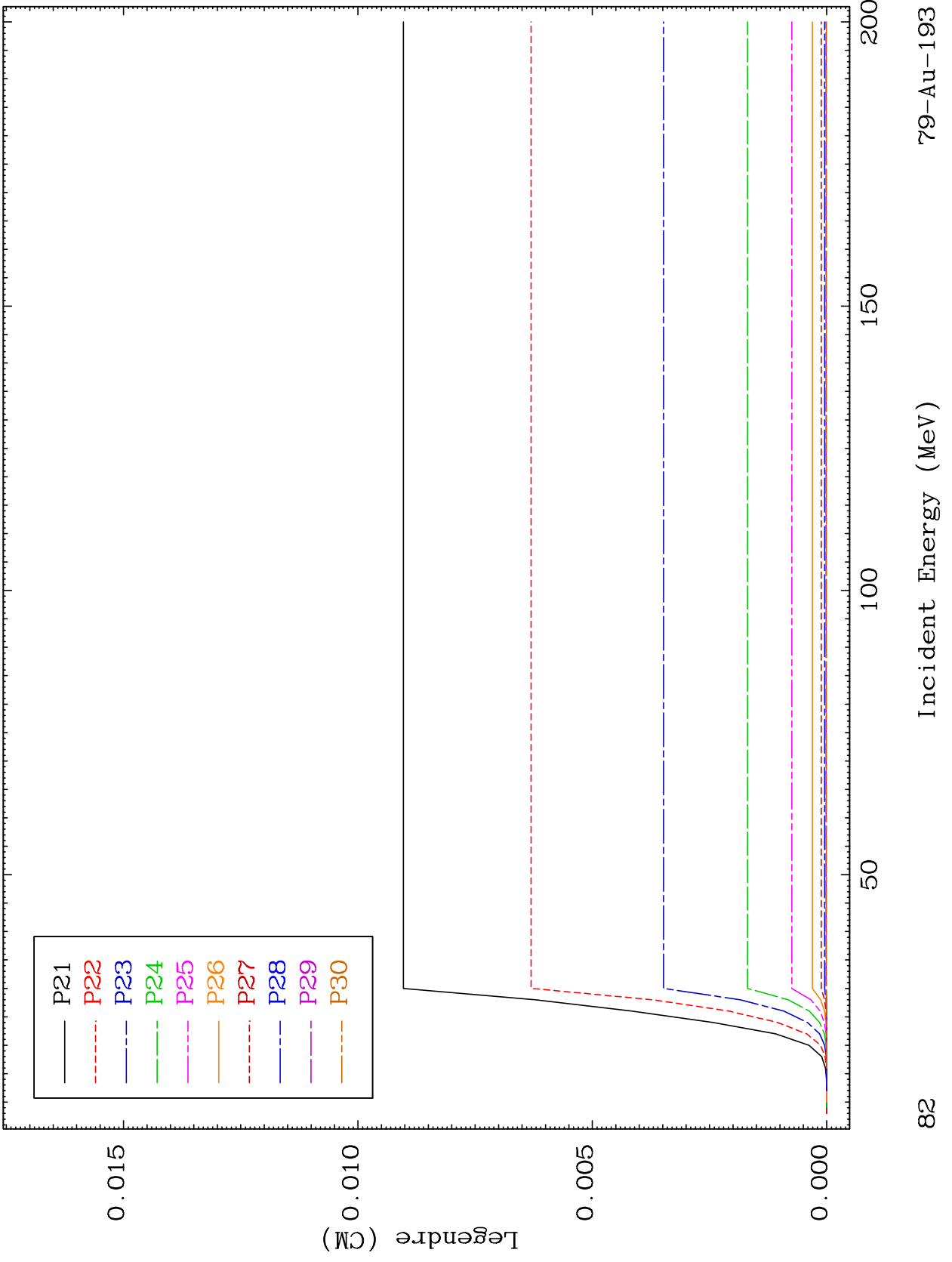
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



82

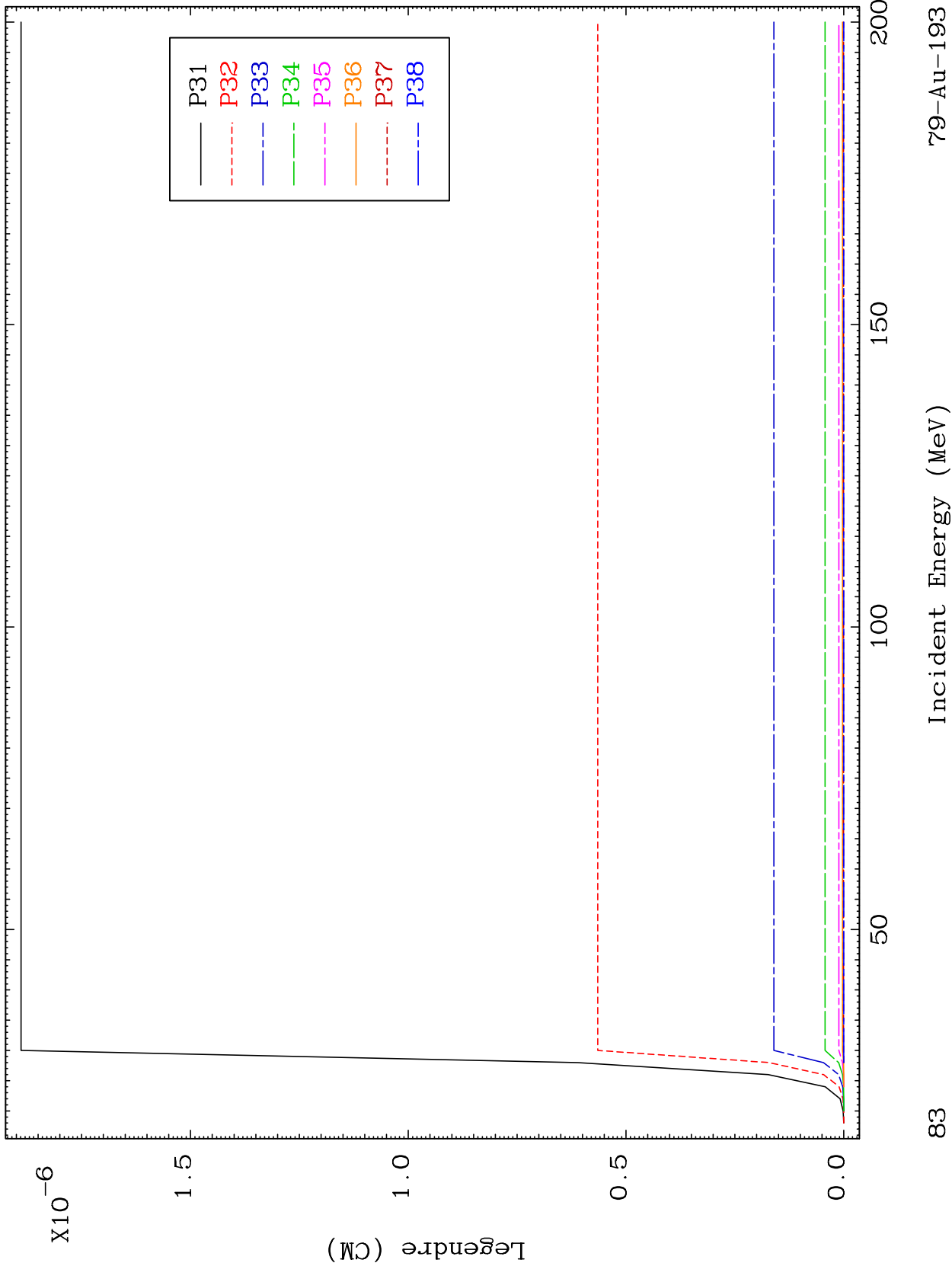
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



83

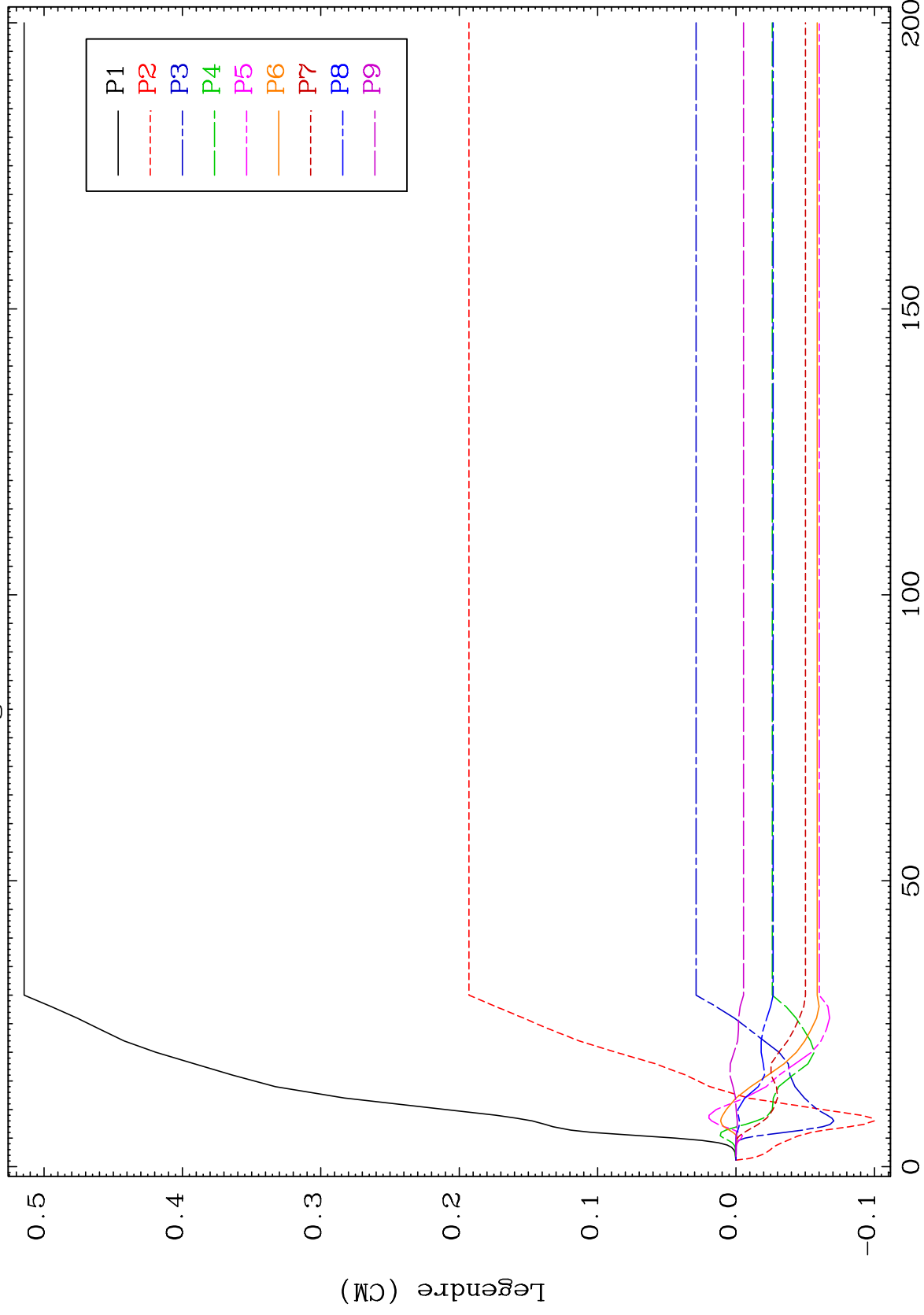
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



84

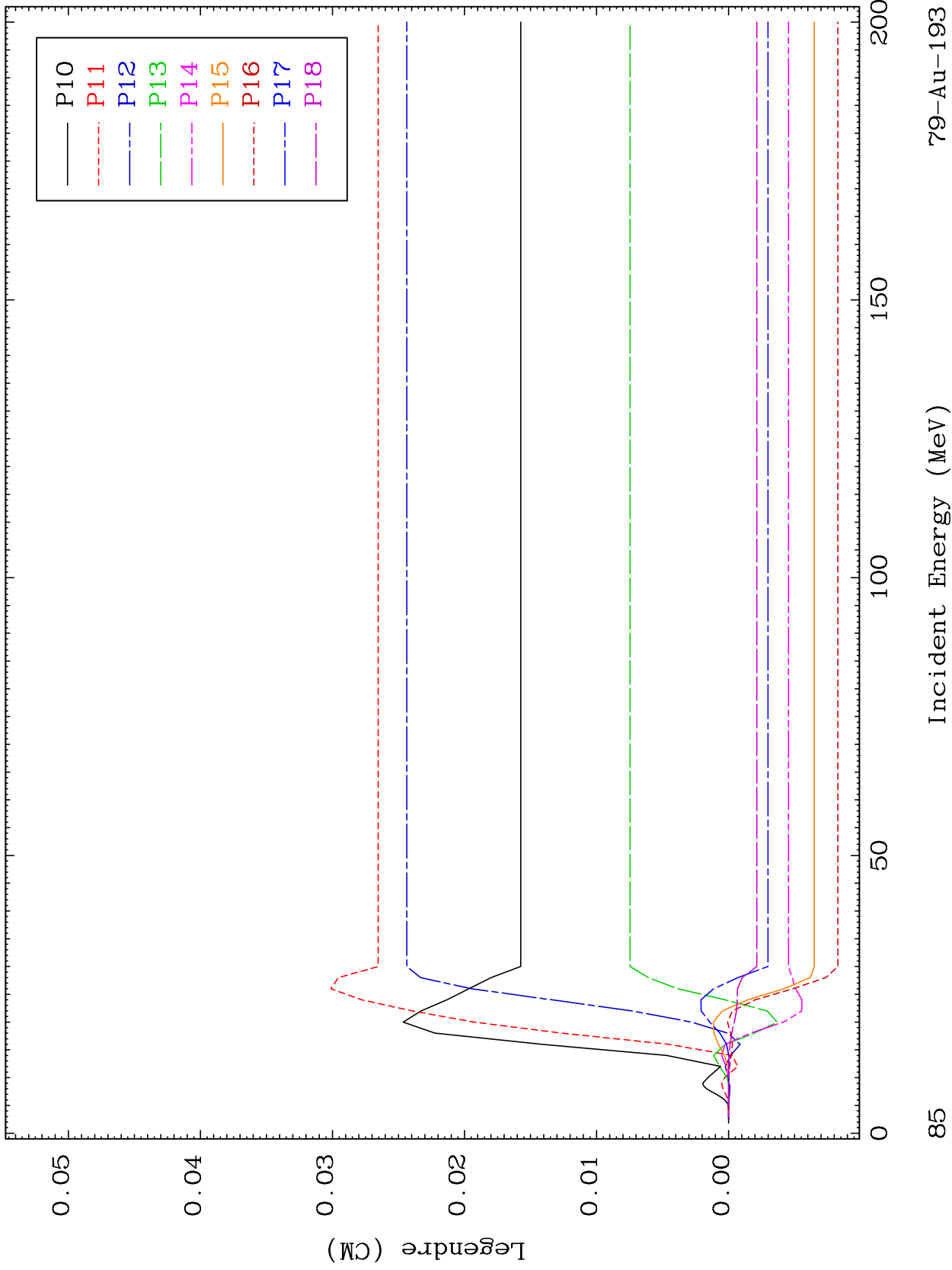
Incident Energy (MeV)

79-Au-193

MAT 7913

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

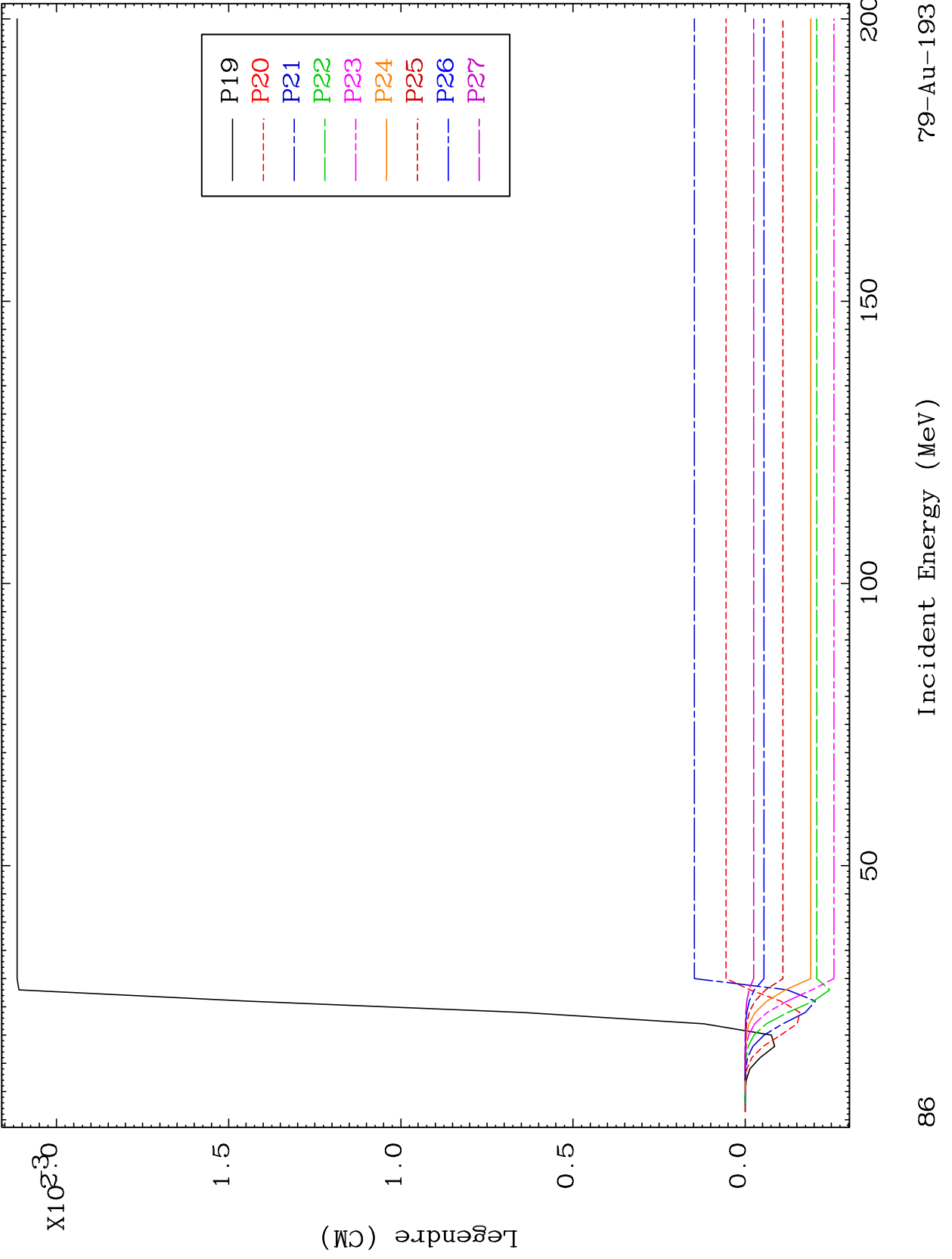
79-Au-193



79-Au-193

Incident Energy (MeV)

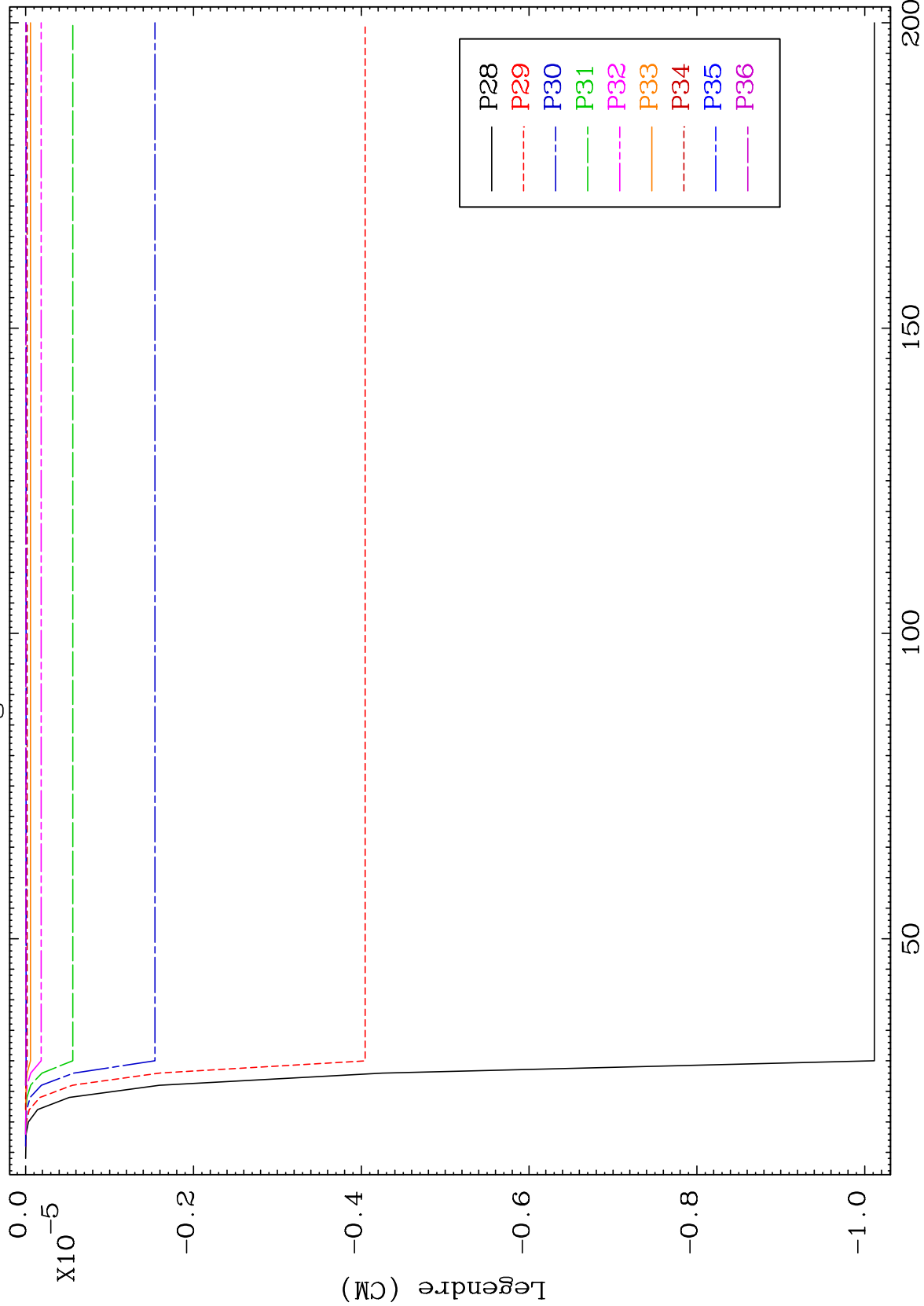
85



MAT 7913

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

79-Au-193



87

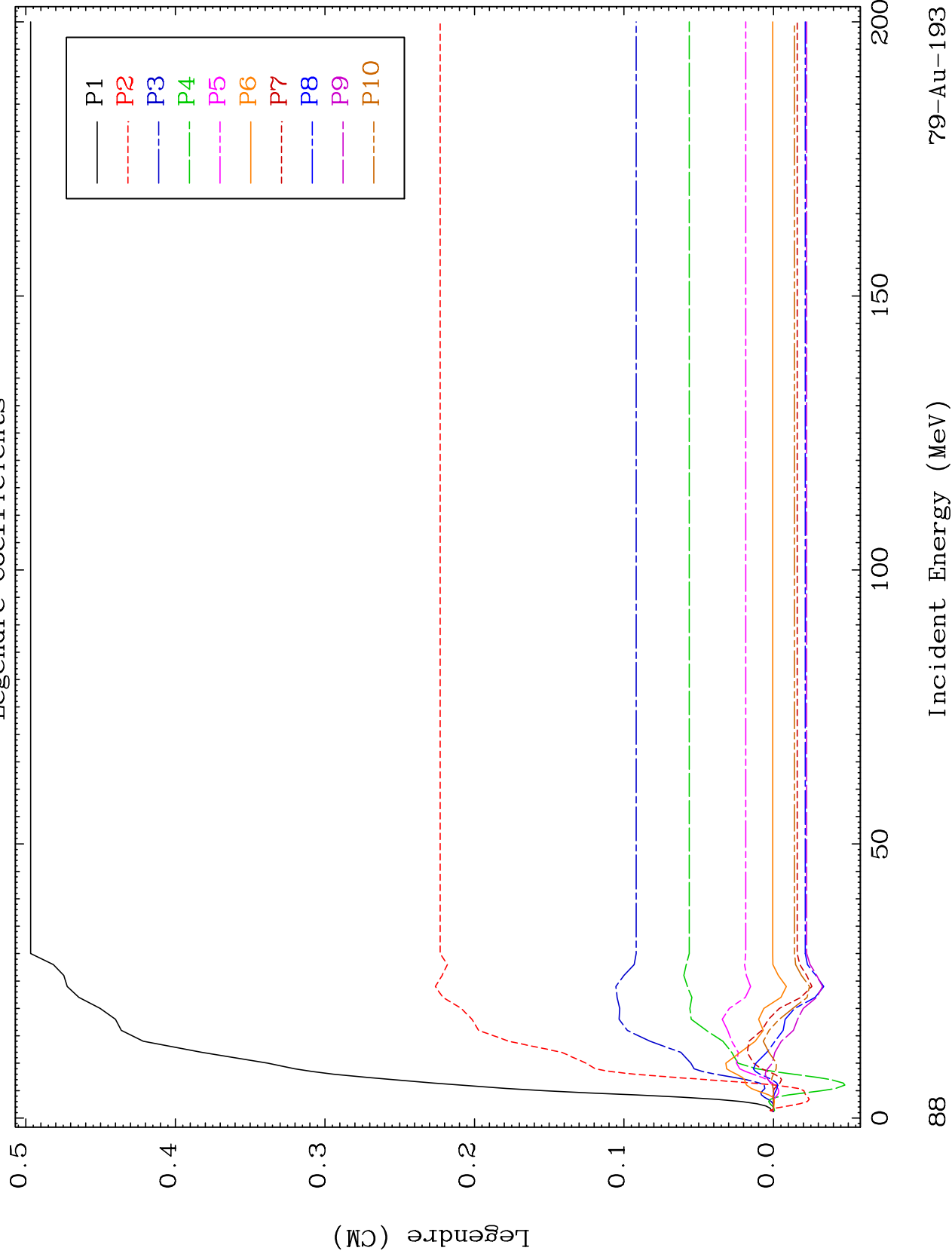
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



79-Au-193

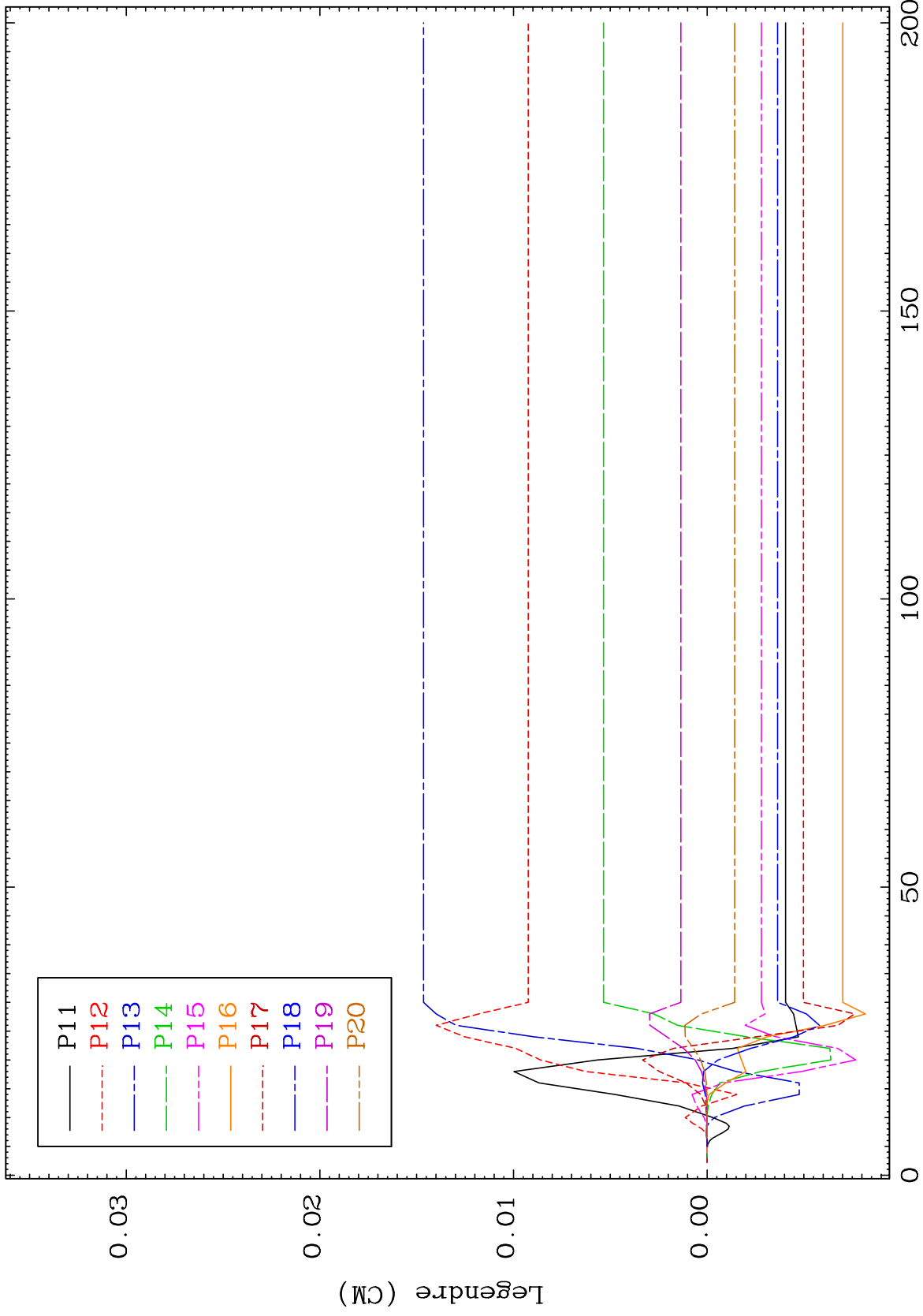
Incident Energy (MeV)

88

MAT 7913

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

79-Au-193



89

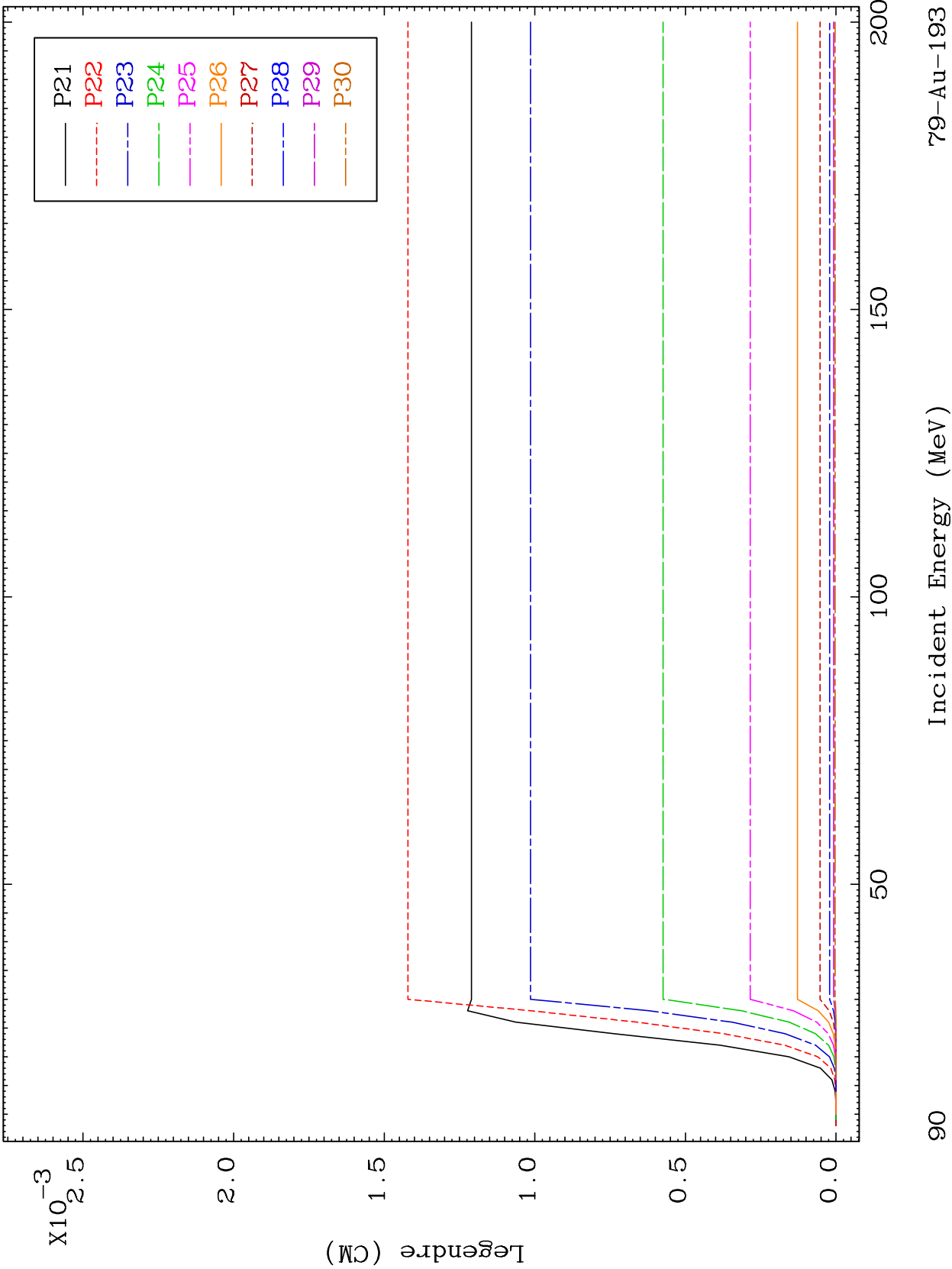
Incident Energy (MeV)

79-Au-193

MAT 7913

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

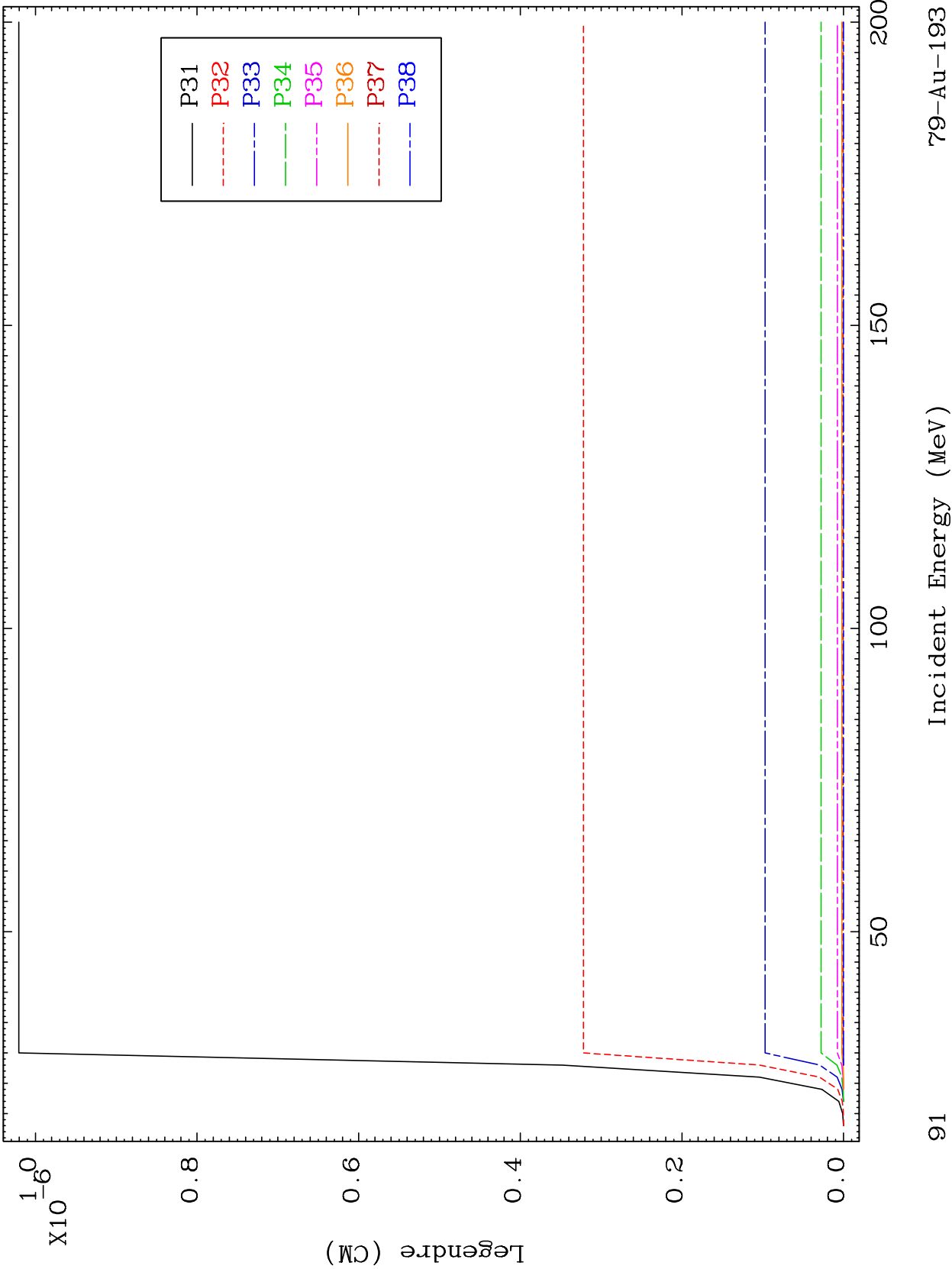
79-Au-193



90

Incident Energy (MeV)

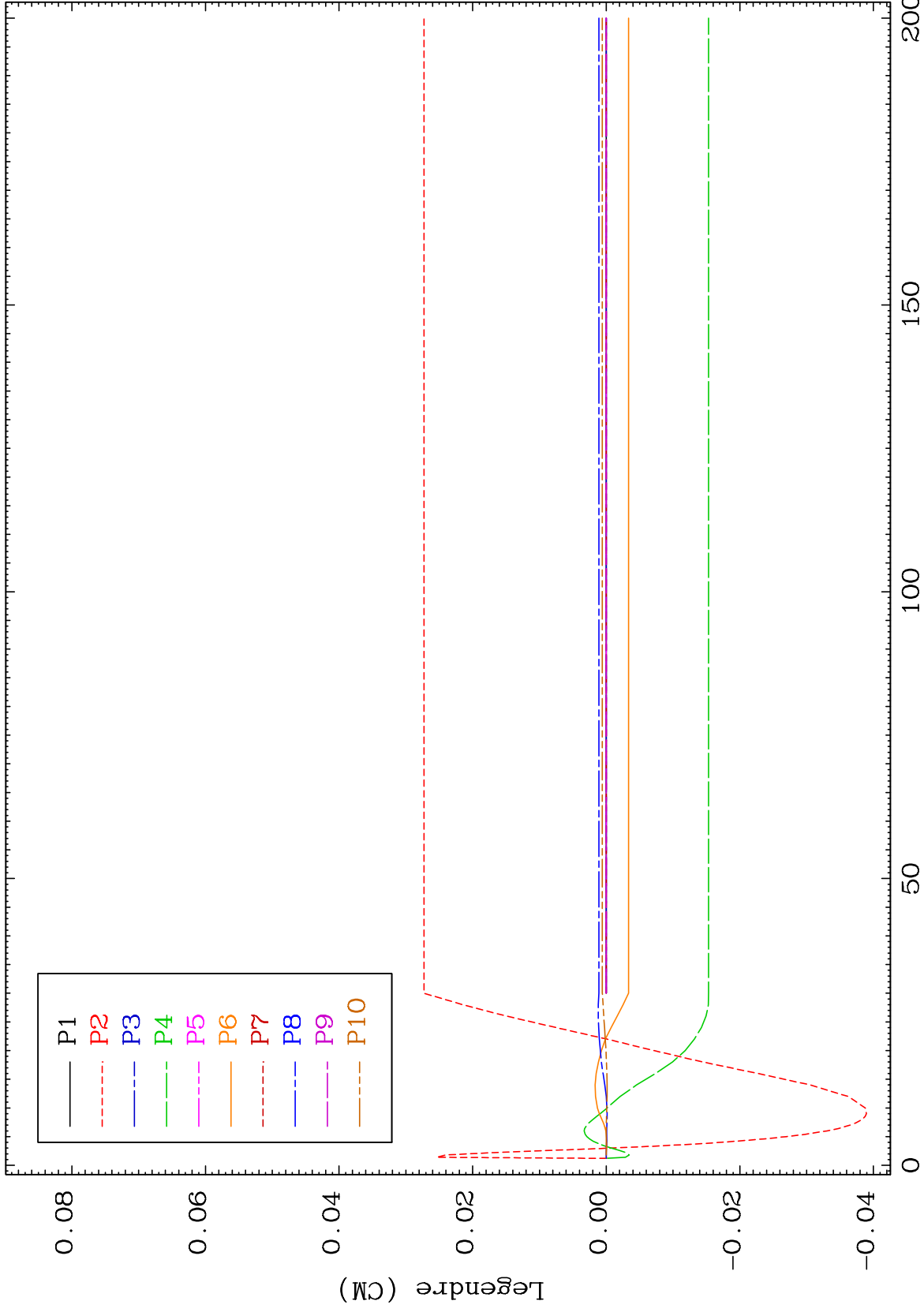
79-Au-193



MAT 7913

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

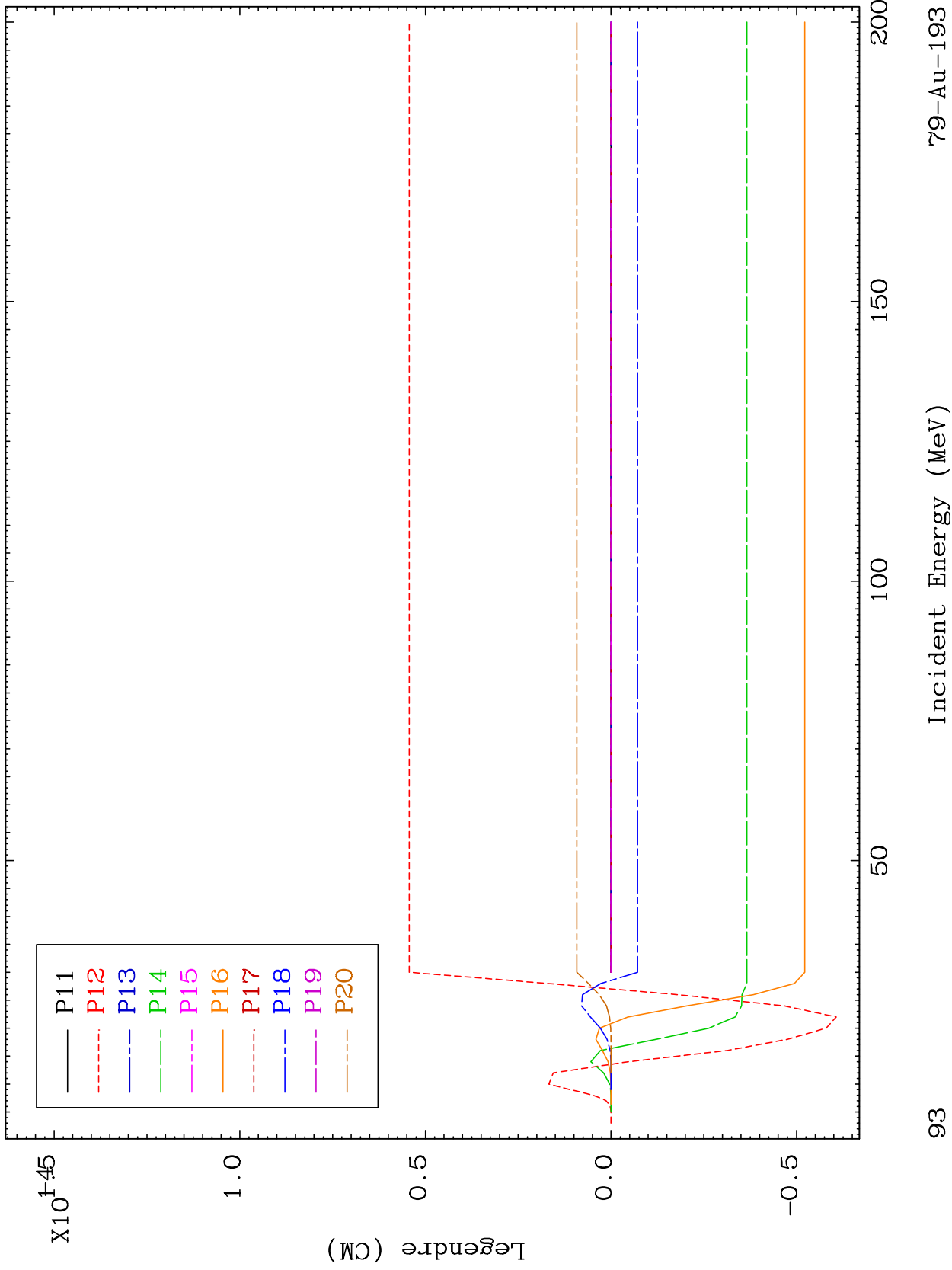
79-Au-193



92

Incident Energy (MeV)

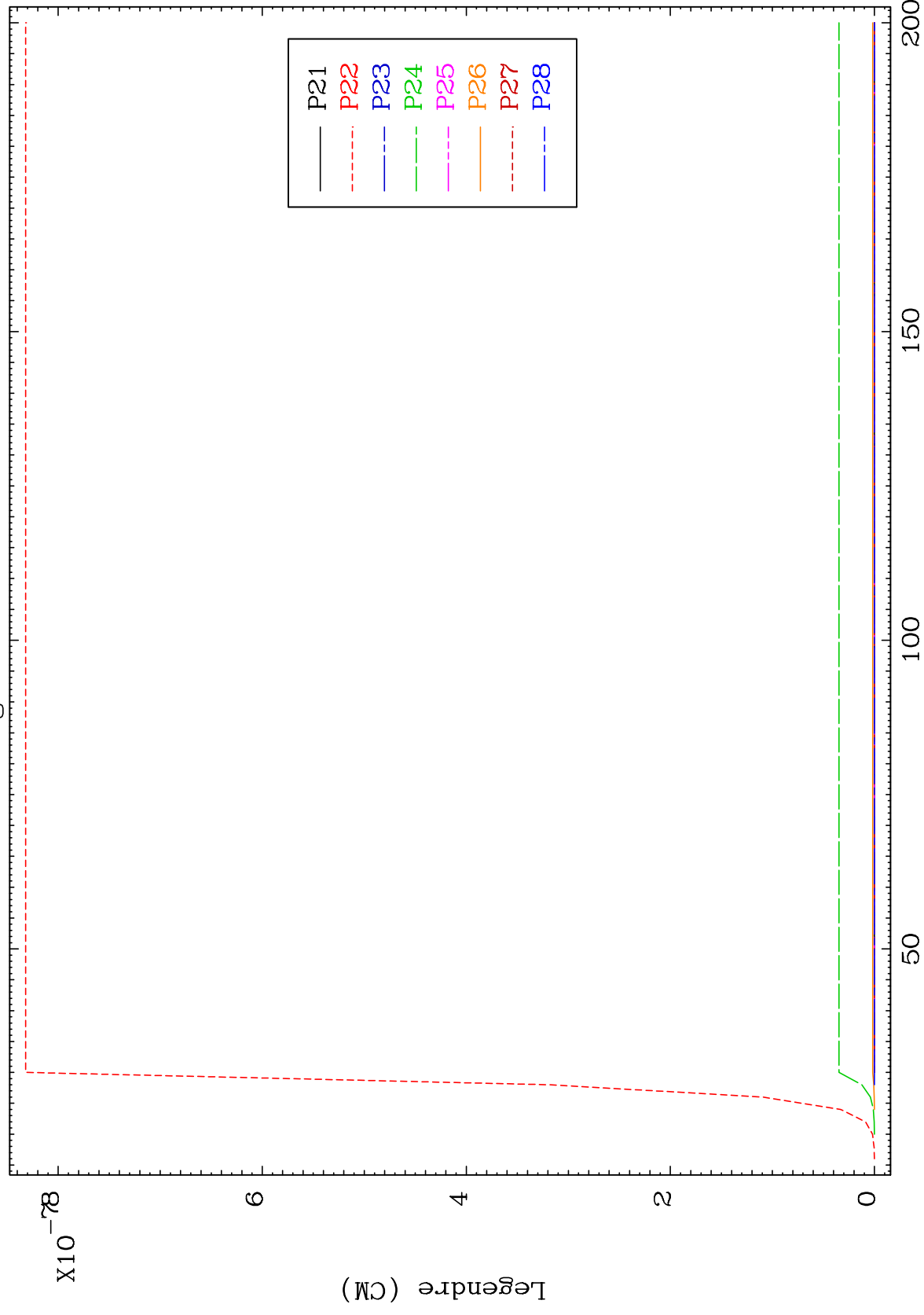
79-Au-193



MAT 7913

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

79-Au-193



94

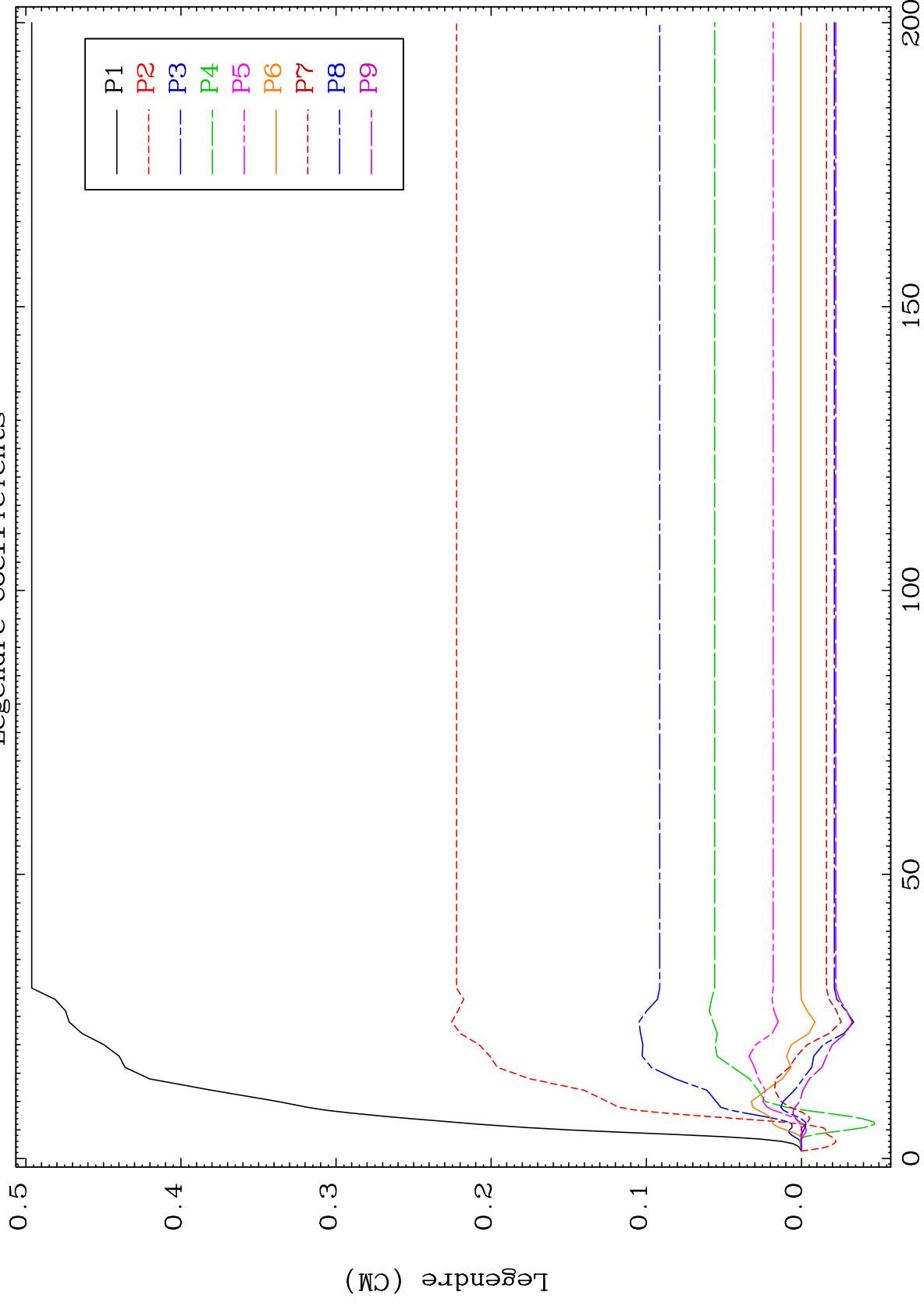
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



95

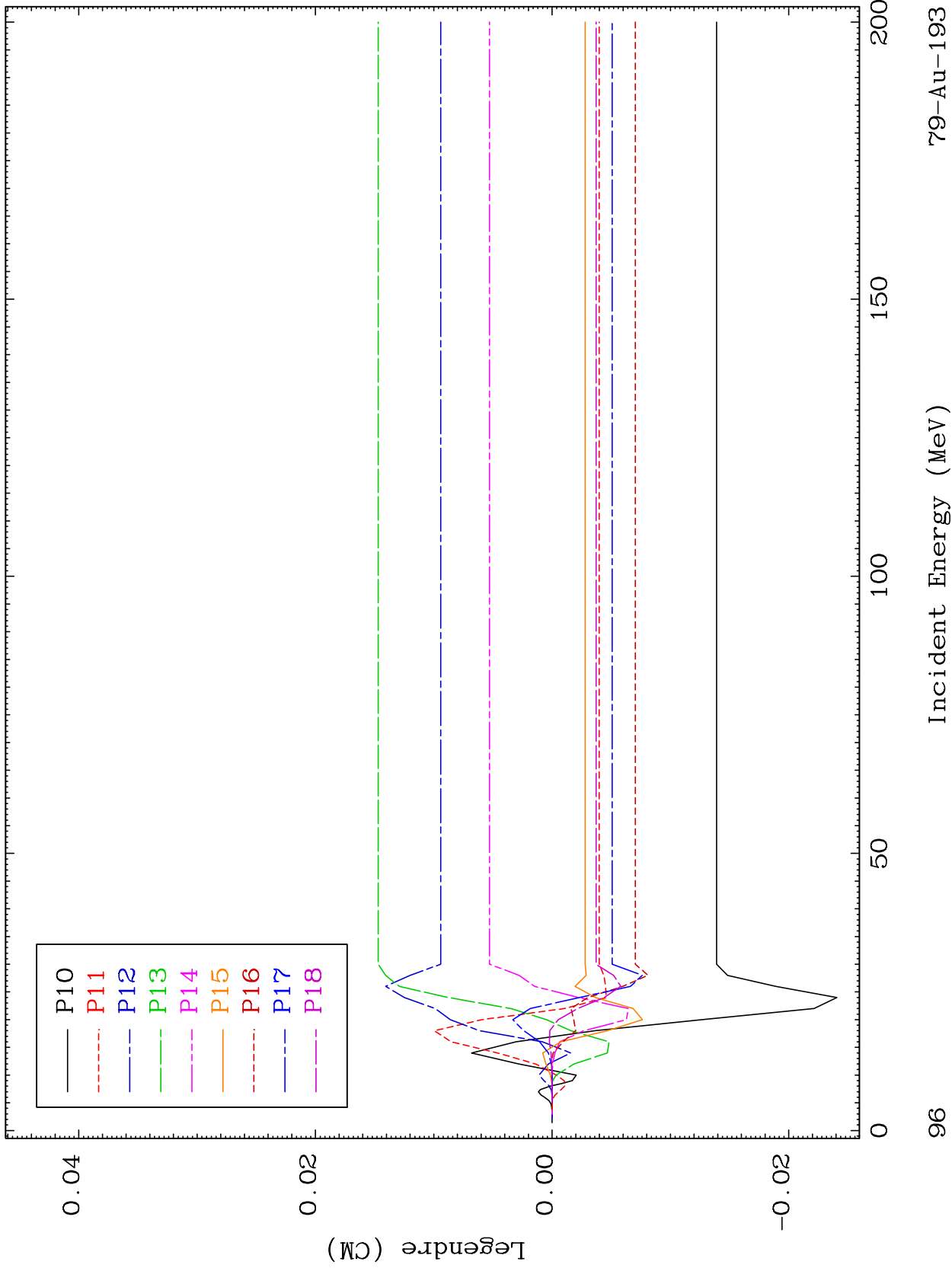
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



96

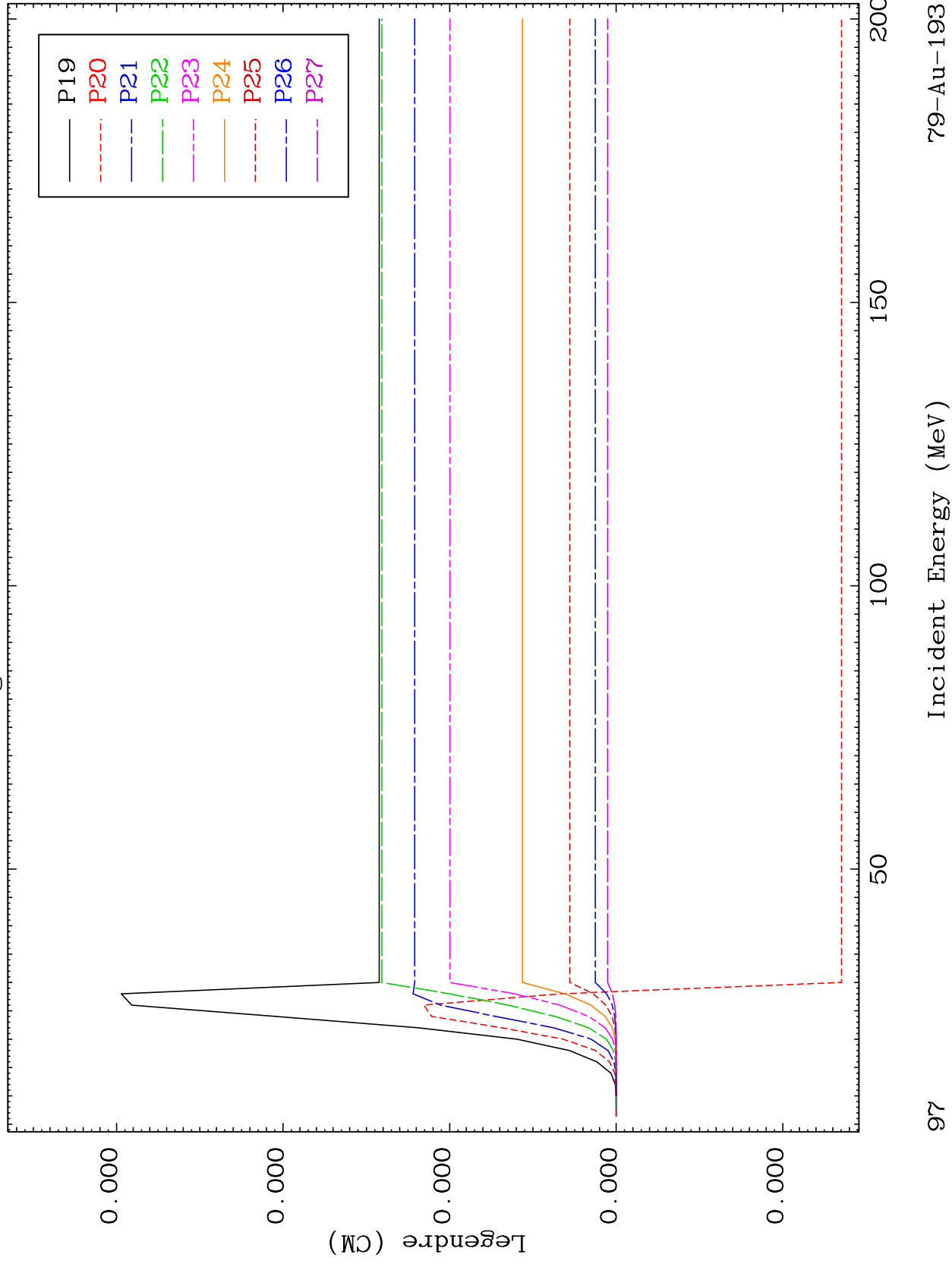
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



97

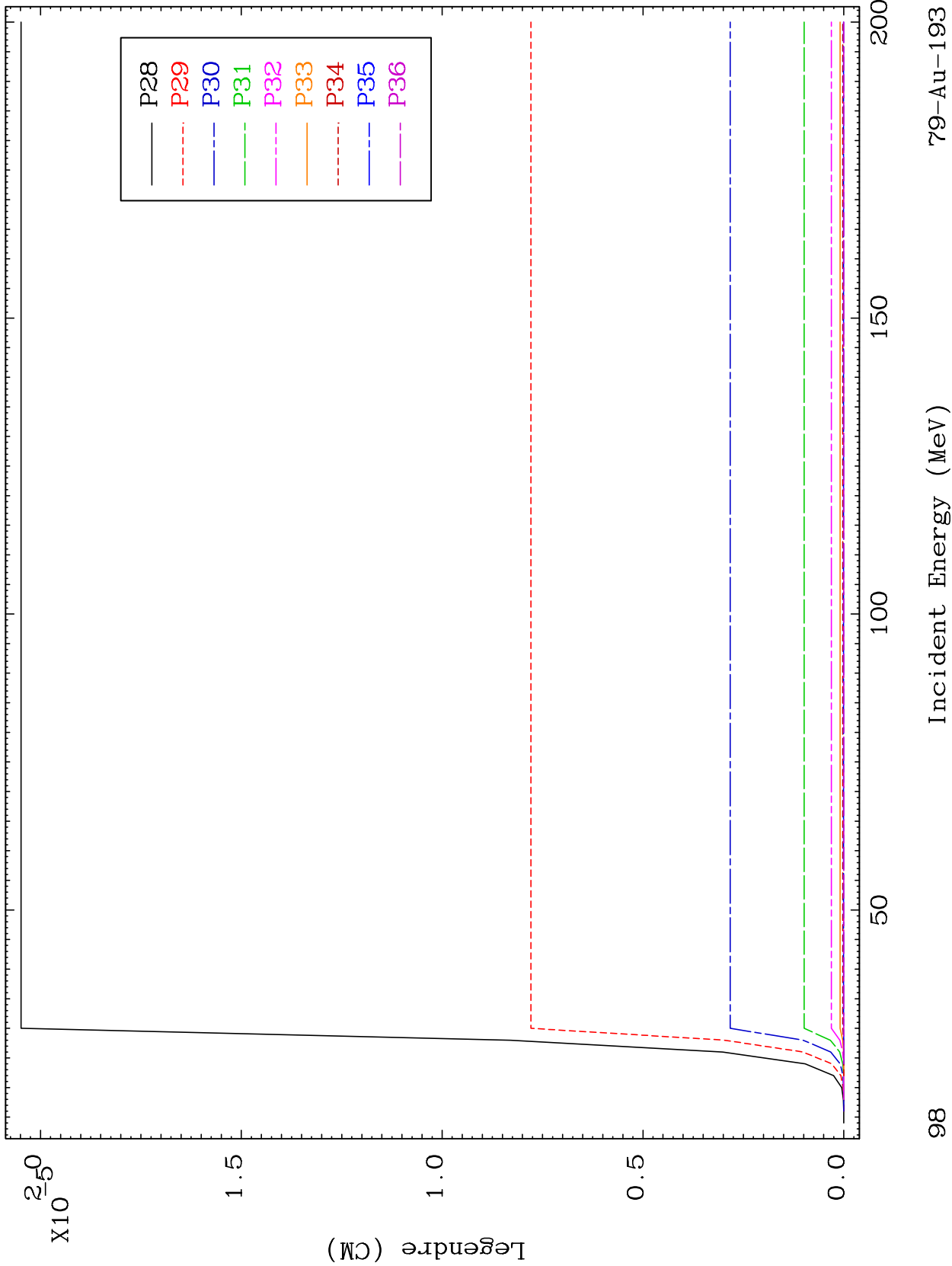
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



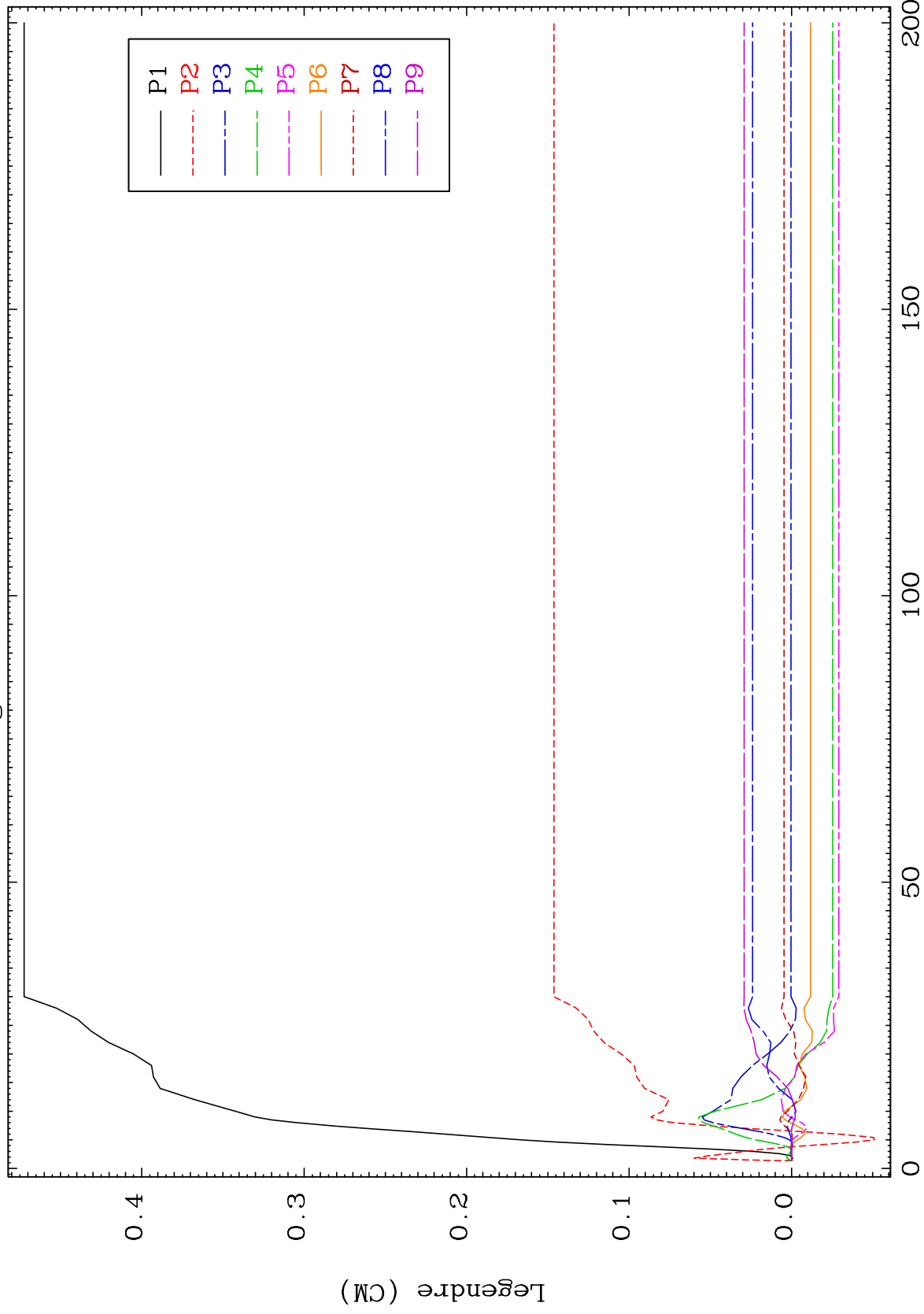
98

79-Au-193

MAT 7913

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

79-Au-193



99

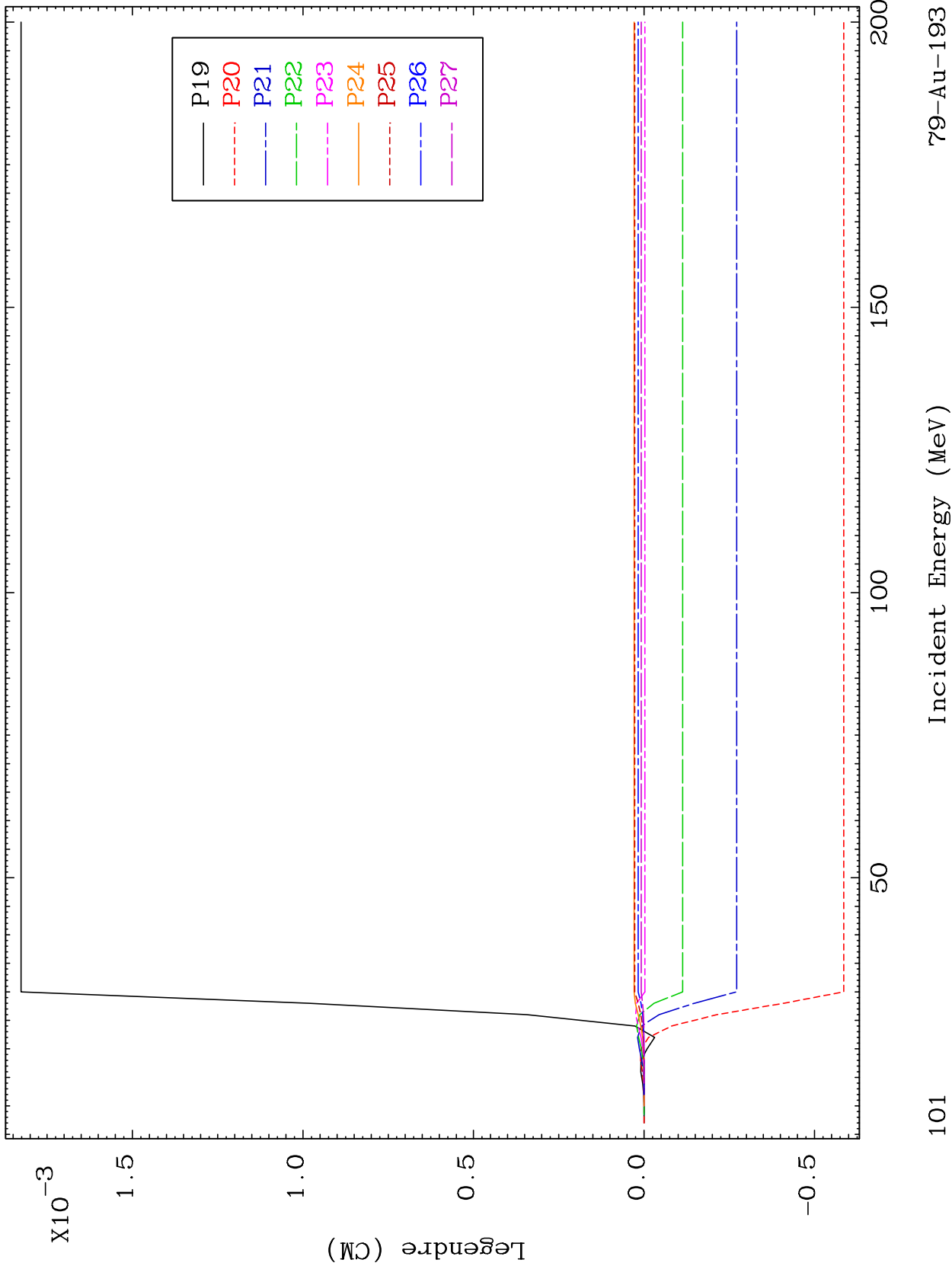
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



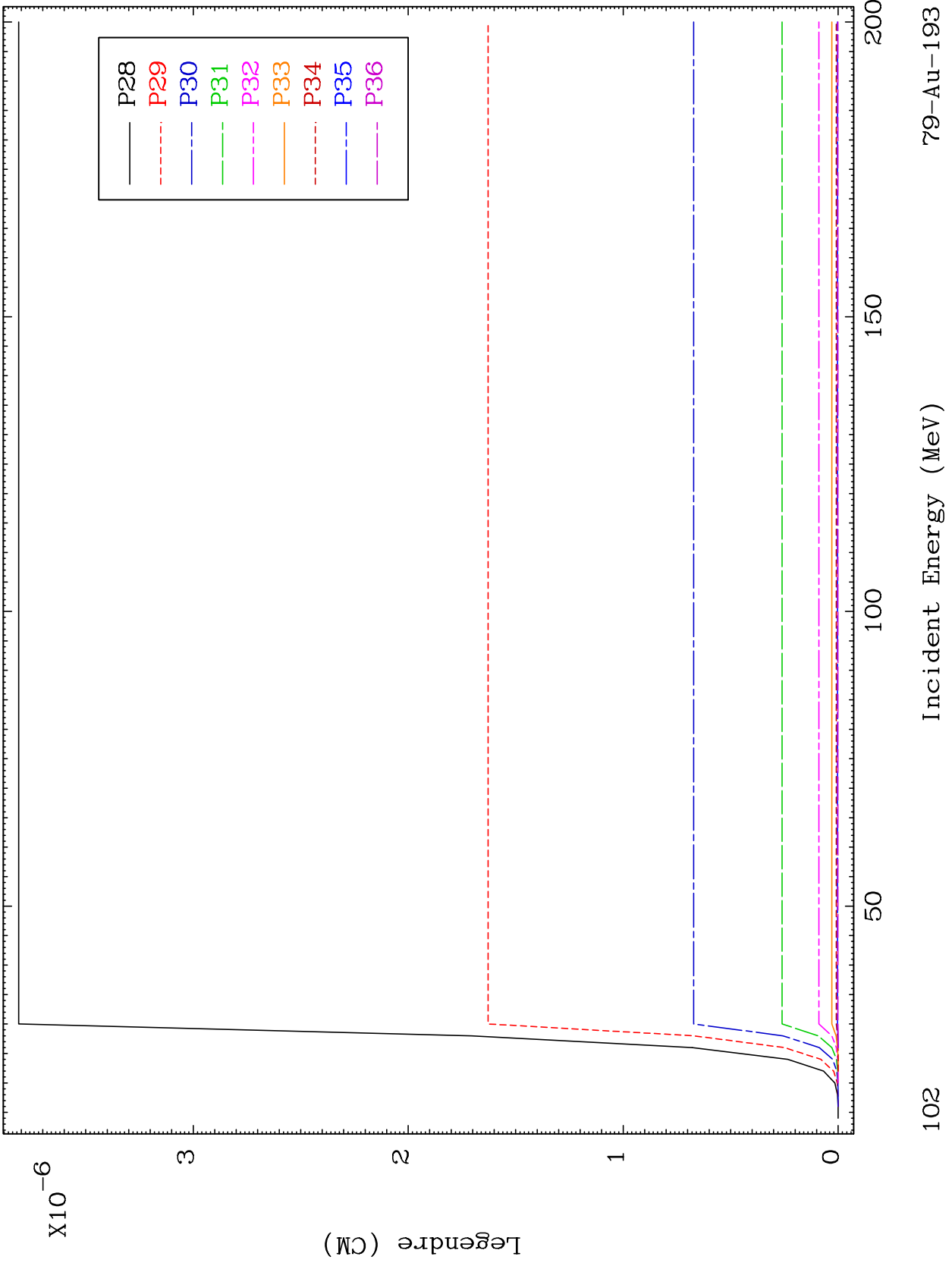
101

79-Au-193

MAT 7913

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

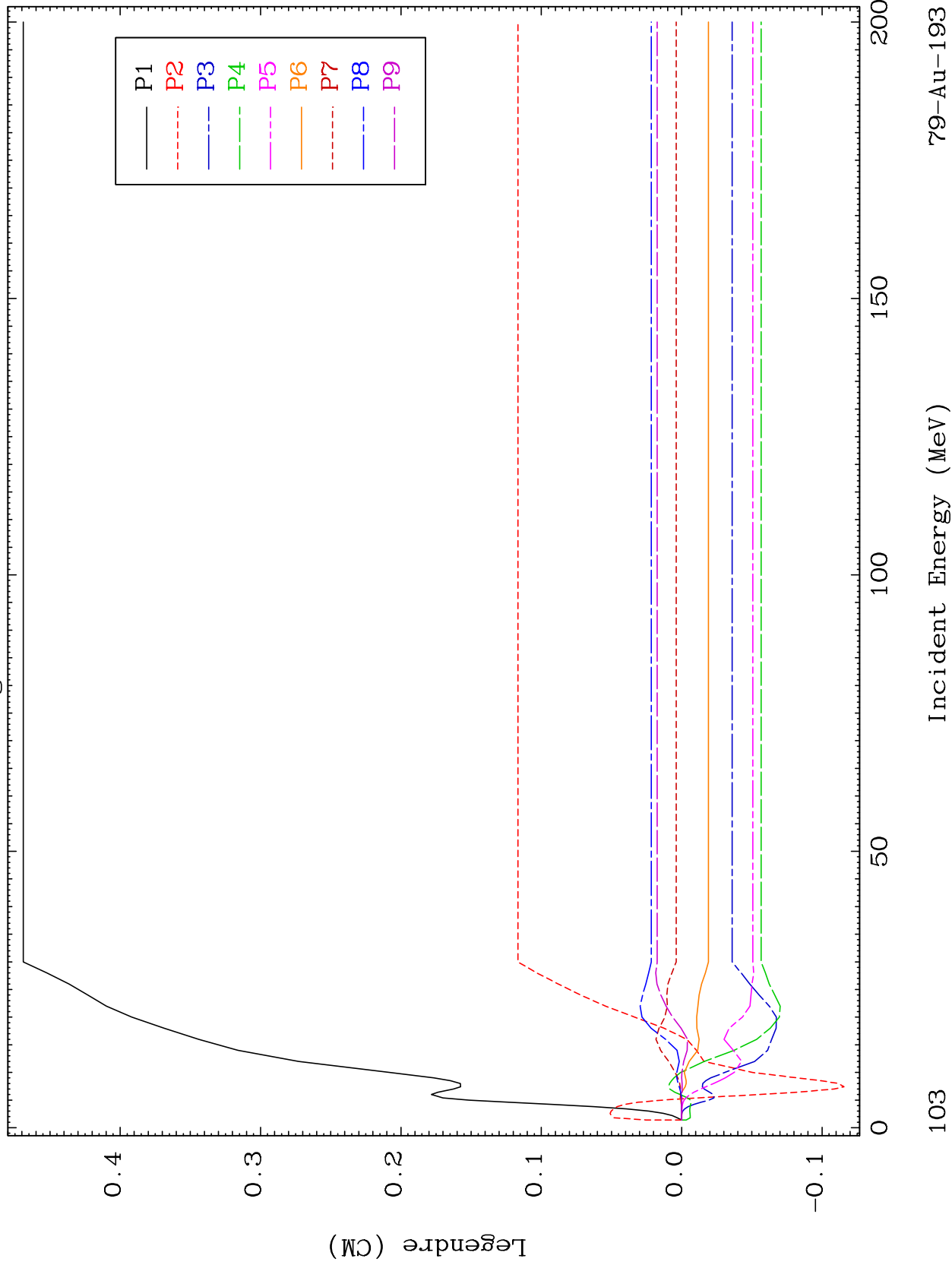
79-Au-193



MAT 7913

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

79-Au-193



79-Au-193

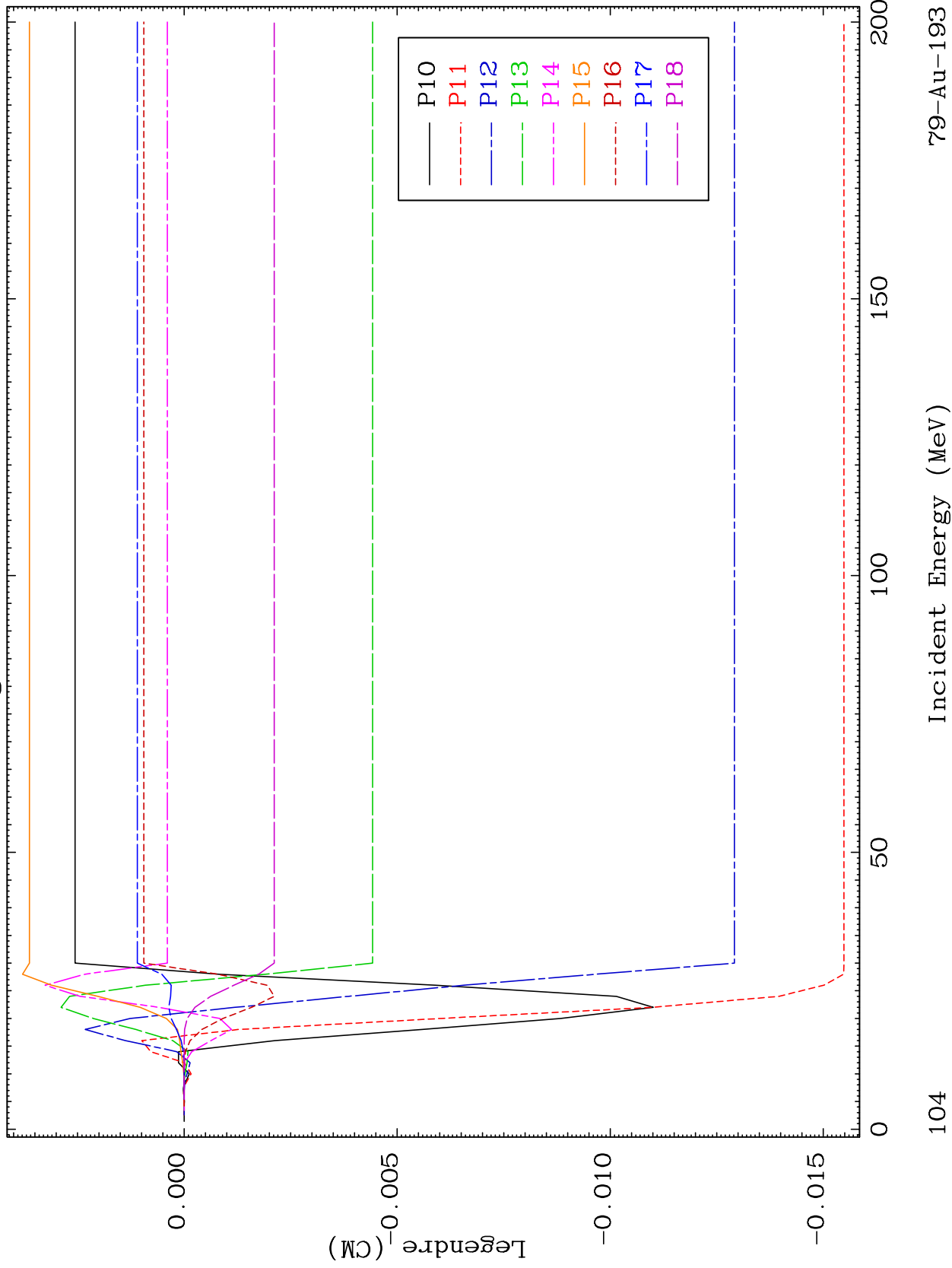
Incident Energy (MeV)

103

MAT 7913

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

79-Au-193



79-Au-193

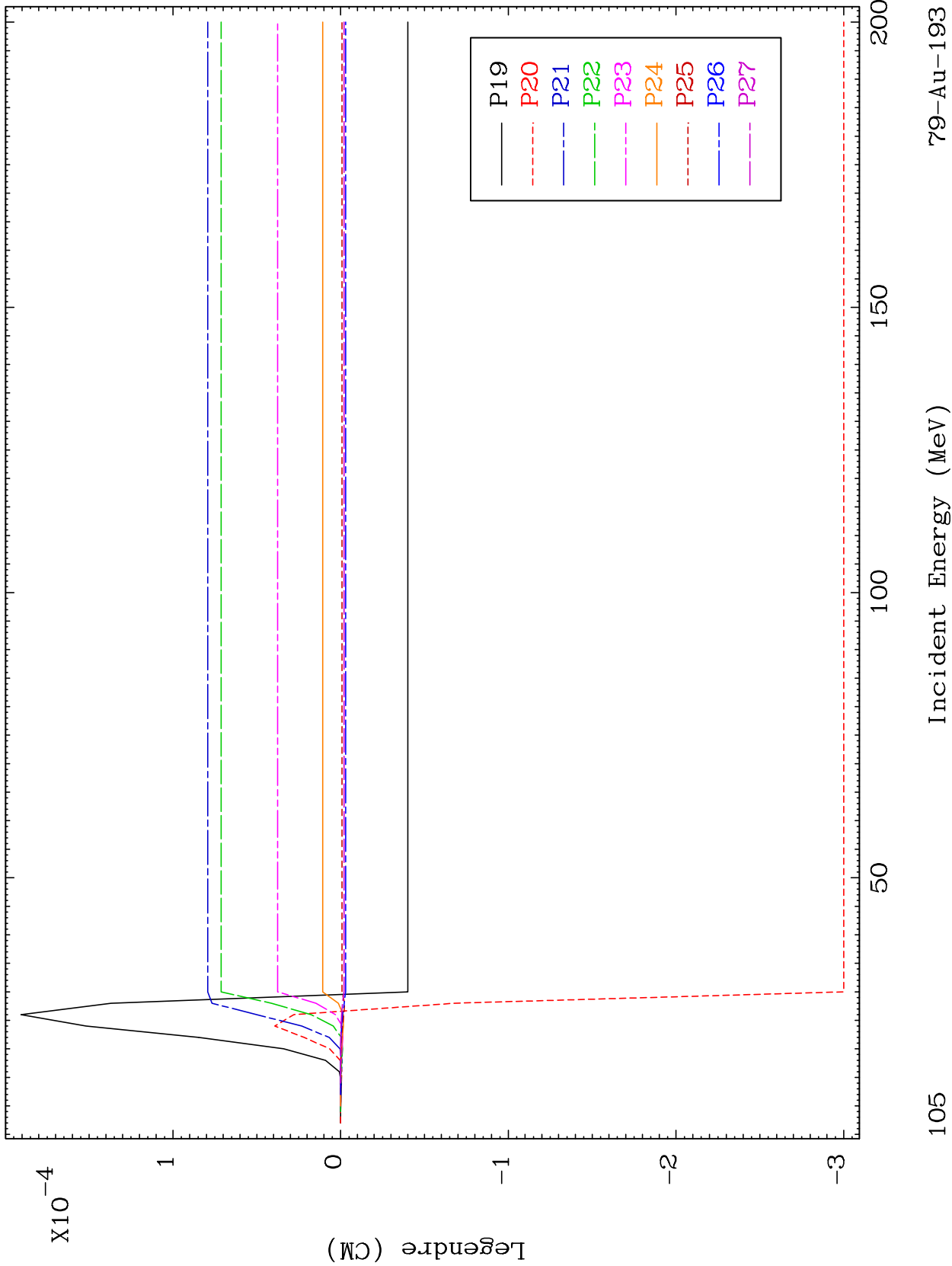
Incident Energy (MeV)

104

MAT 7913

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

79-Au-193



105

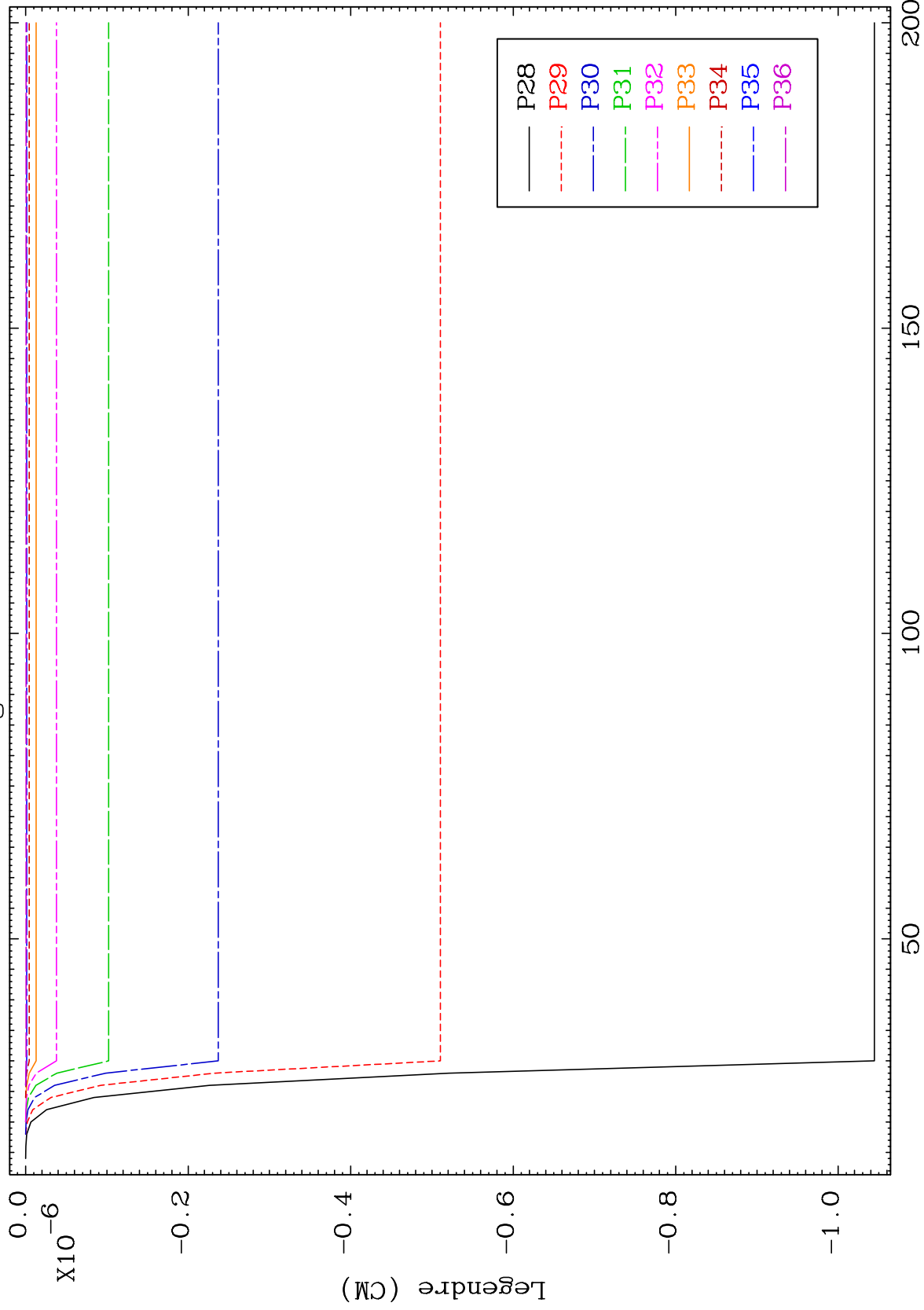
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



106

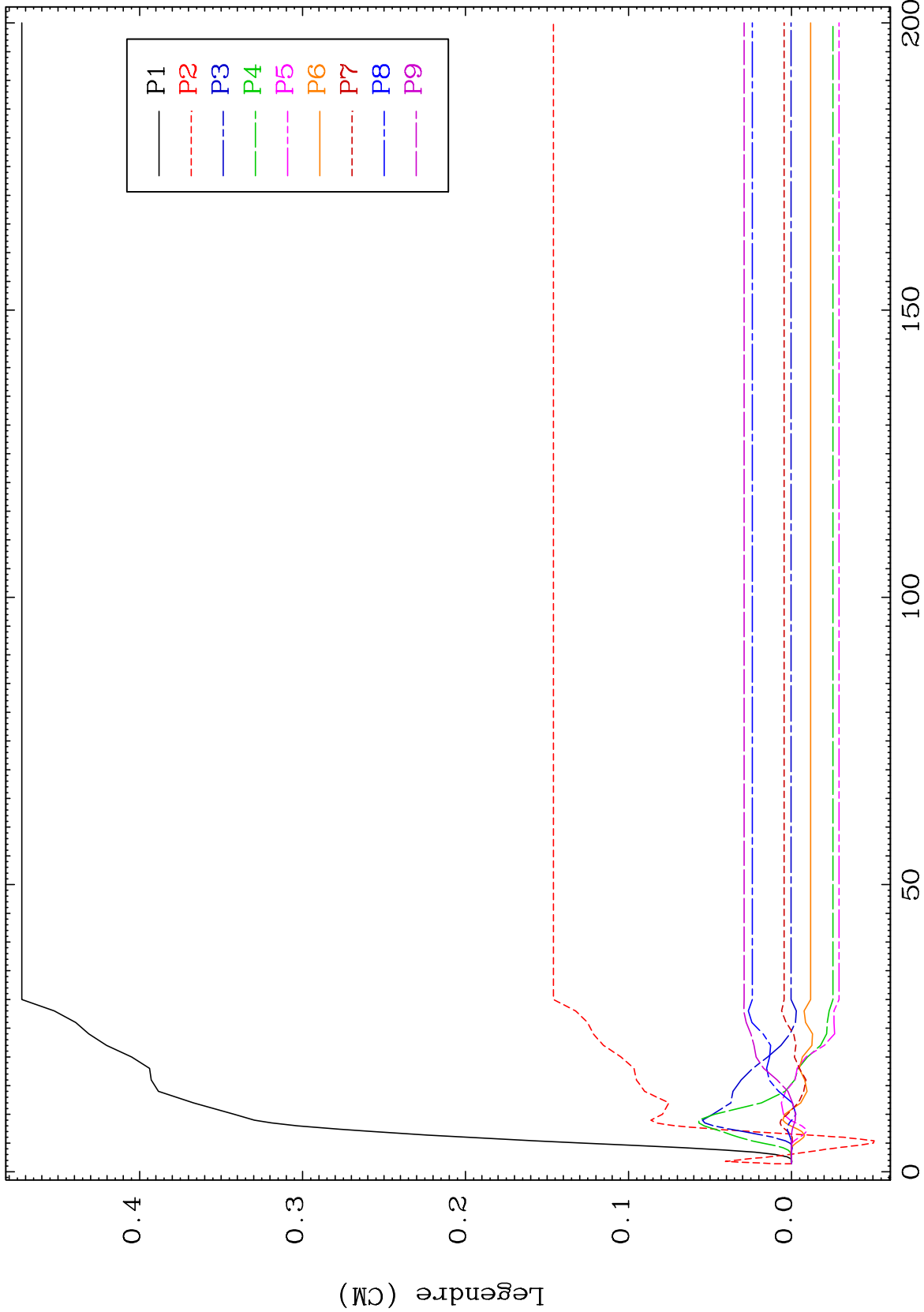
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



107

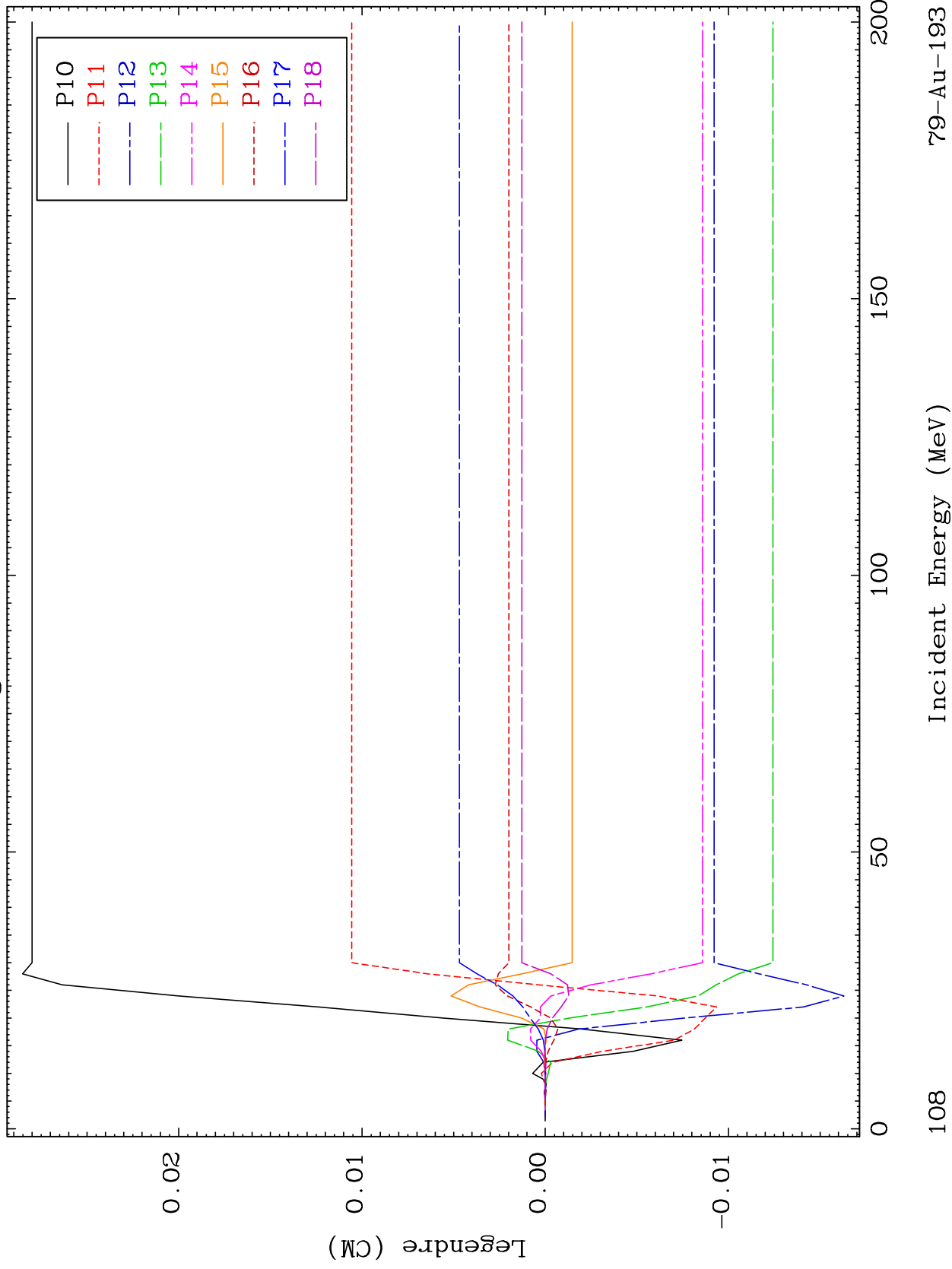
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



79-Au-193

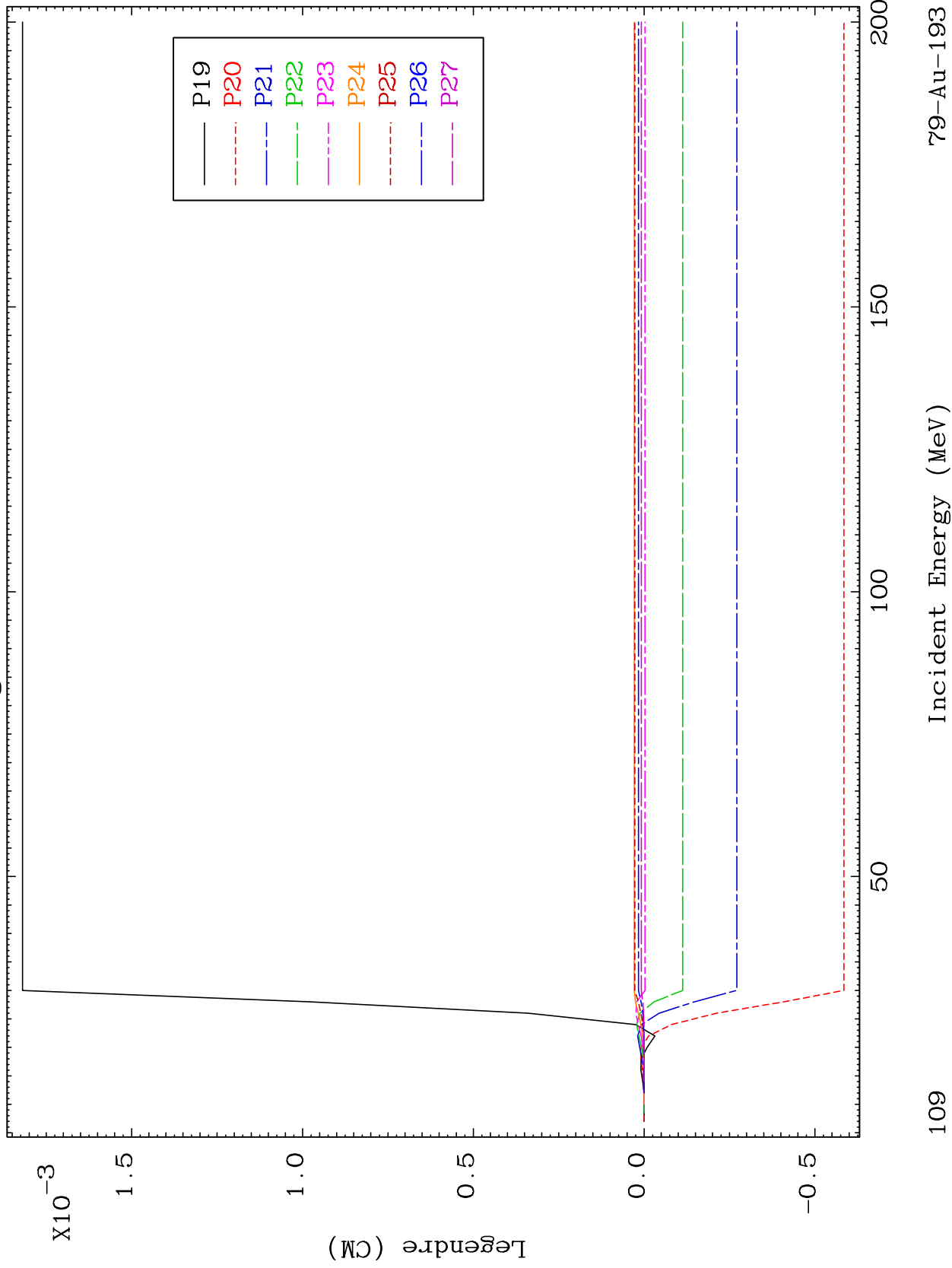
Incident Energy (MeV)

108

MAT 7913

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

79-Au-193



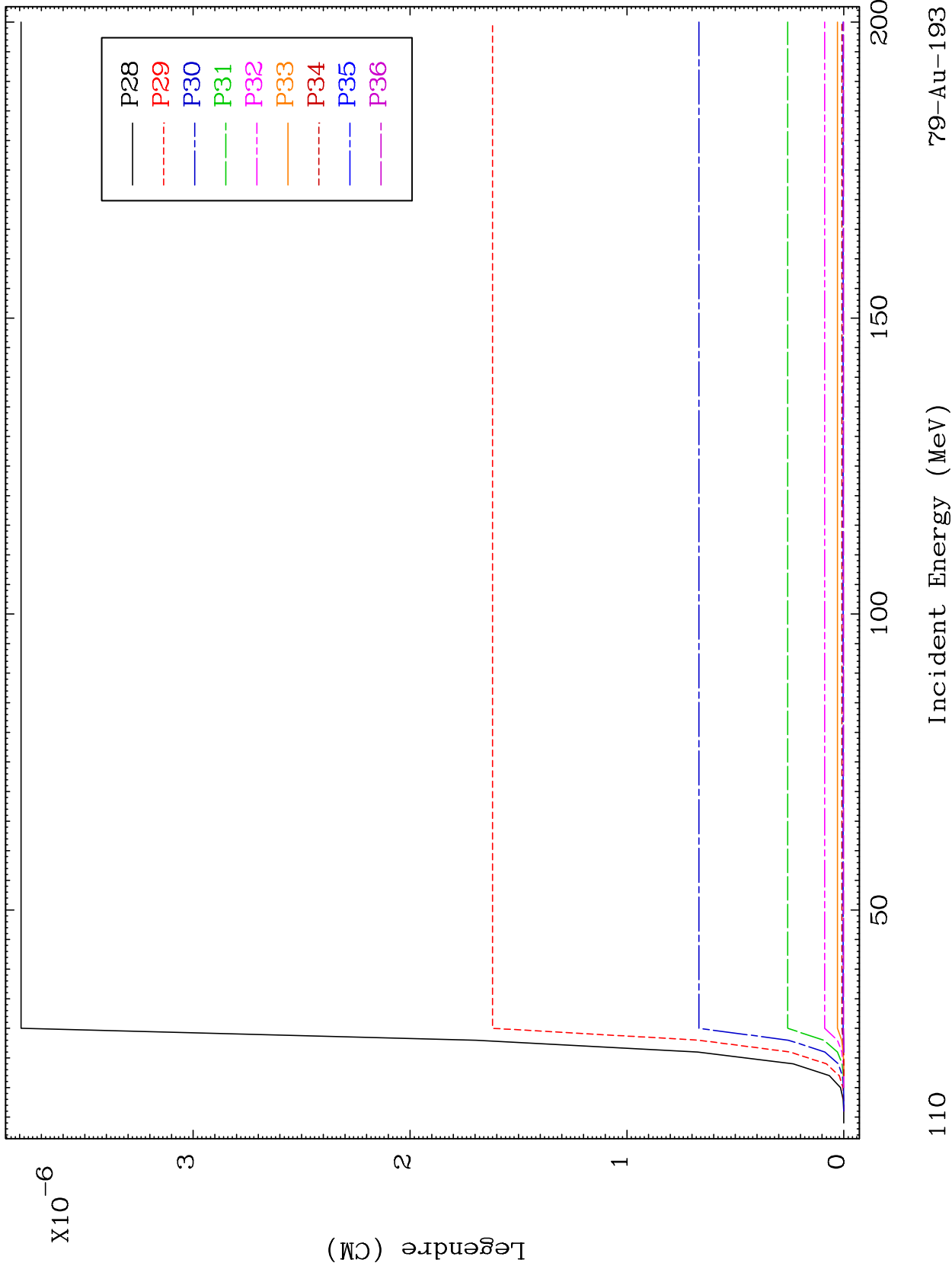
109

79-Au-193

MAT 7913

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

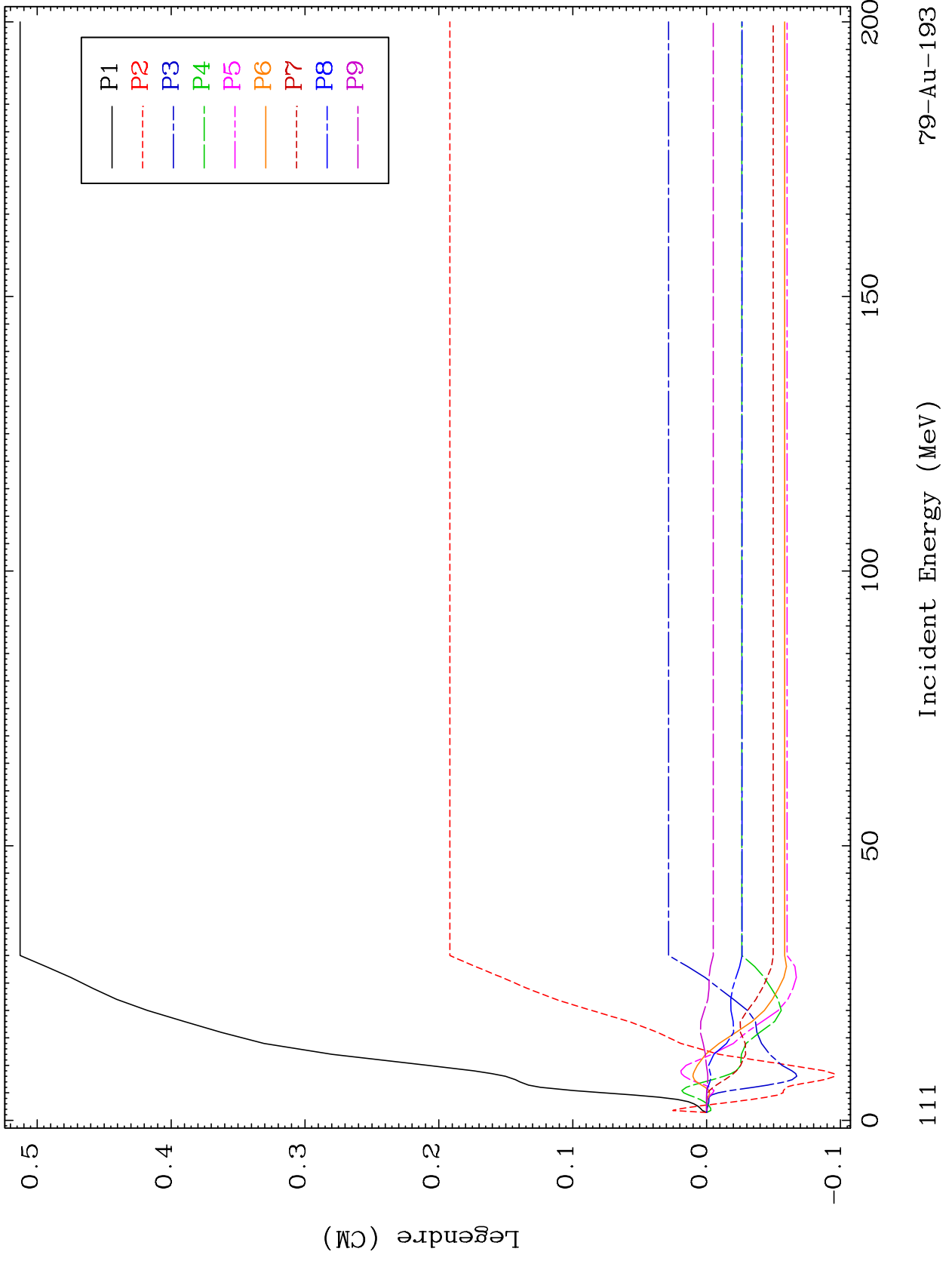
79-Au-193



MAT 7913

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

79-Au-193



111

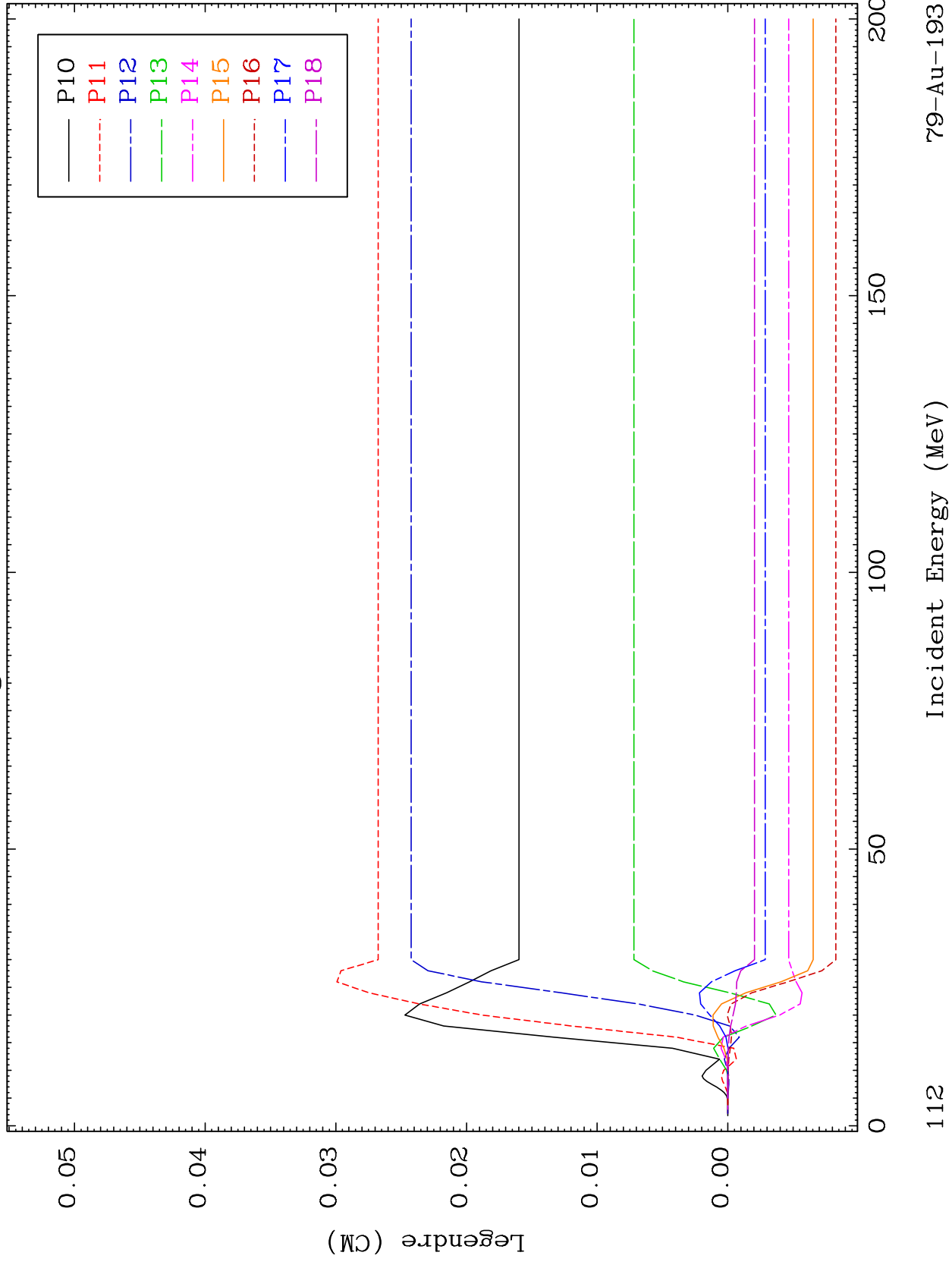
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



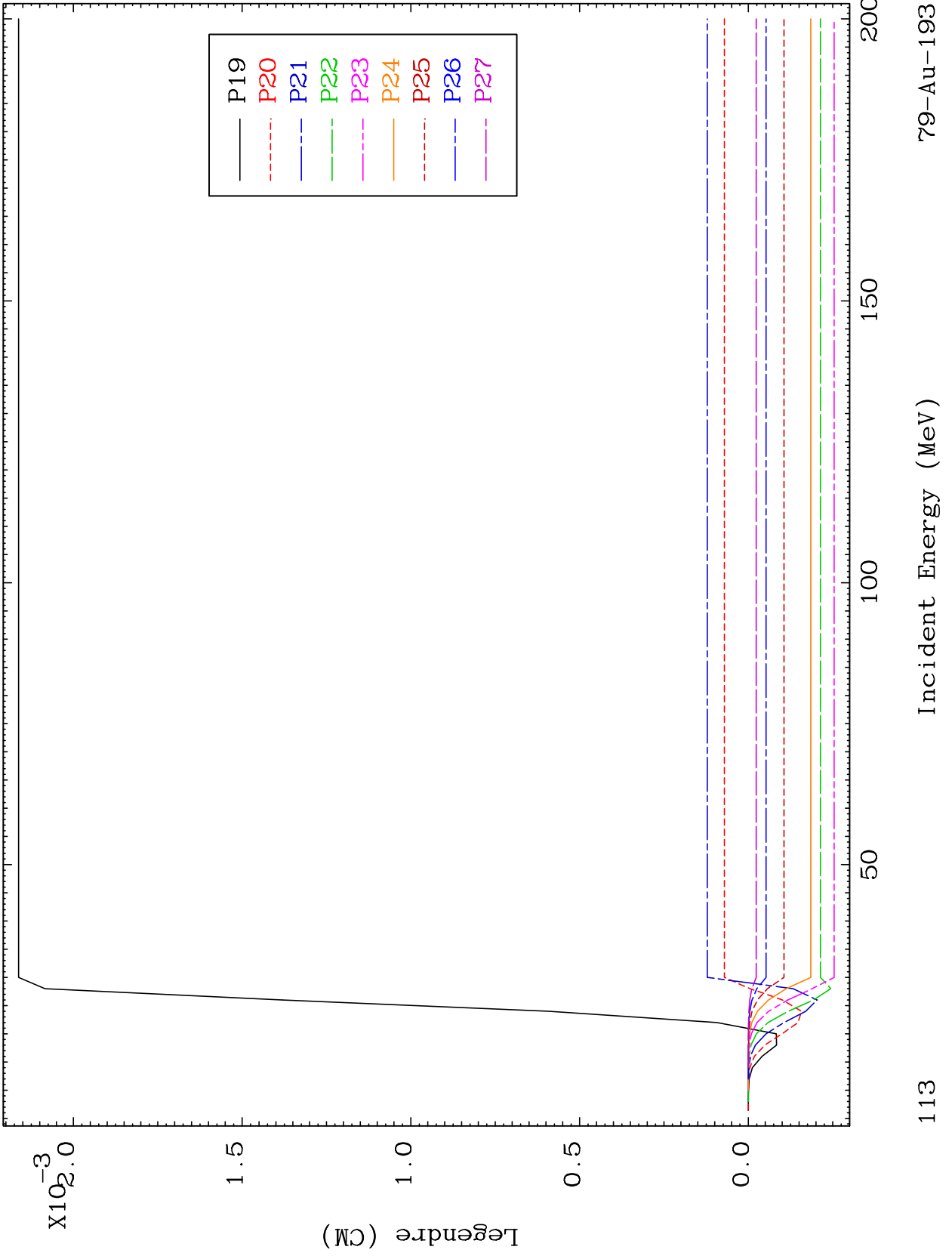
112

79-Au-193

MAT 7913

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

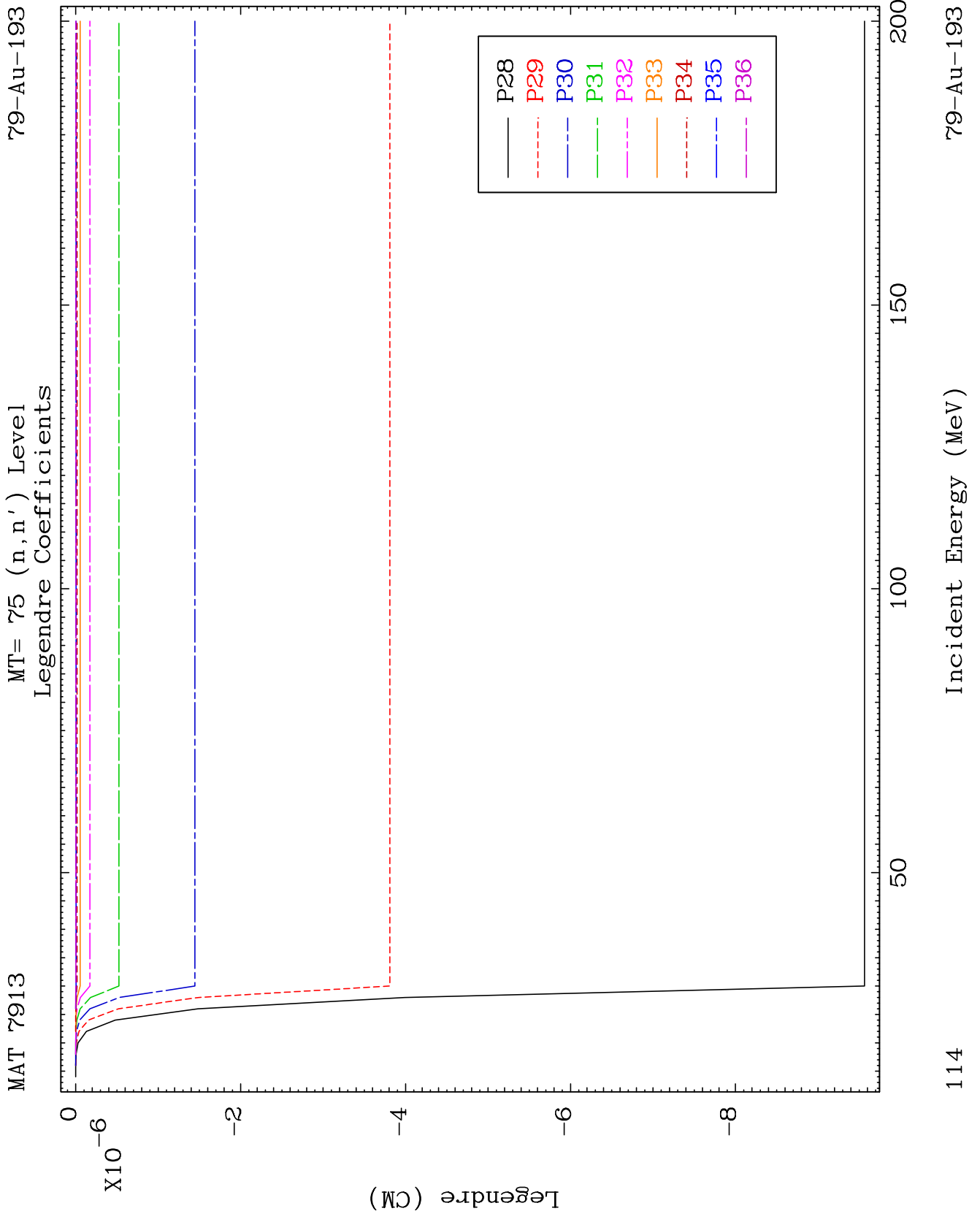
79-Au-193



113

Incident Energy (MeV)

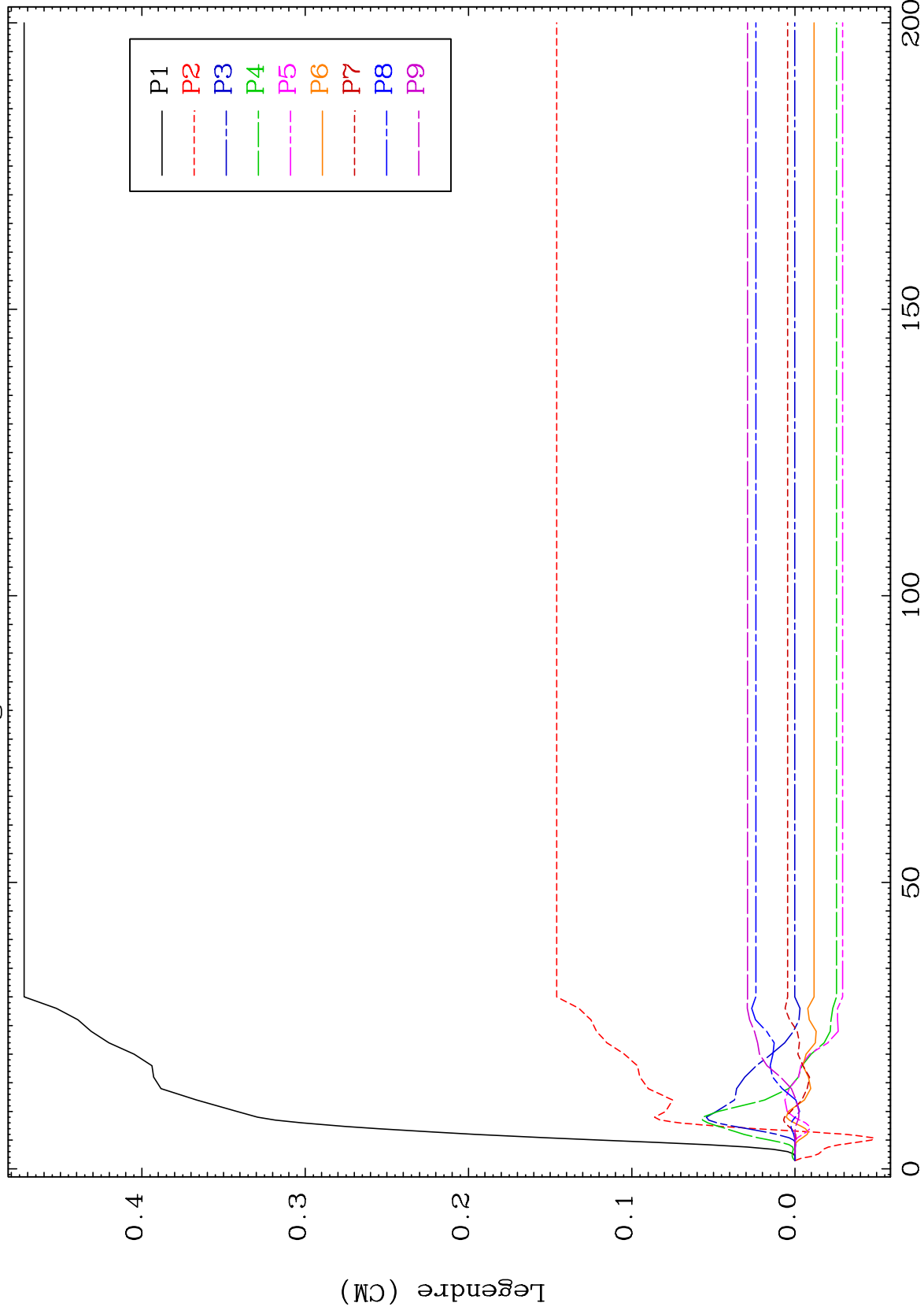
79-Au-193



MAT 7913

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

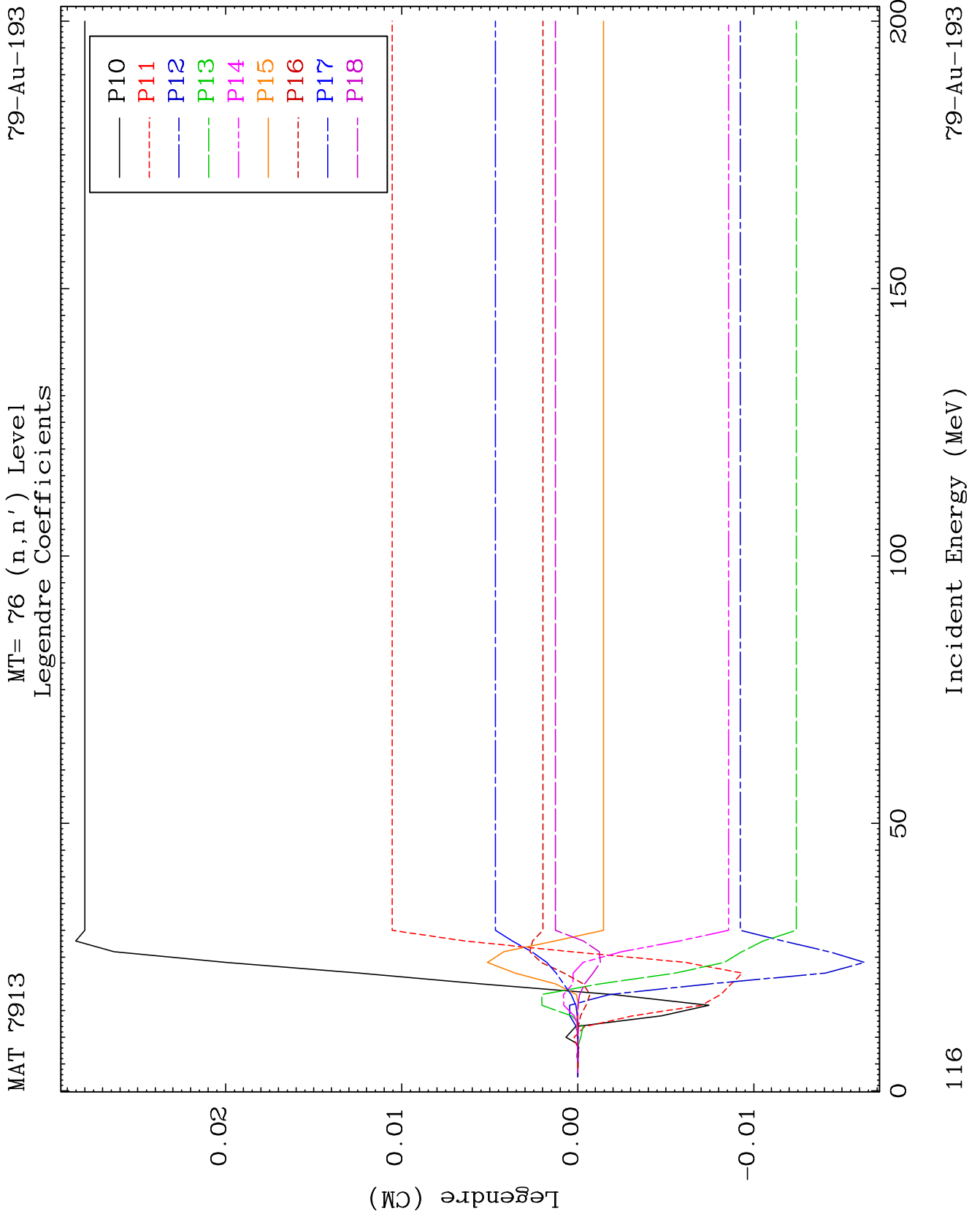
79-Au-193



79-Au-193

Incident Energy (MeV)

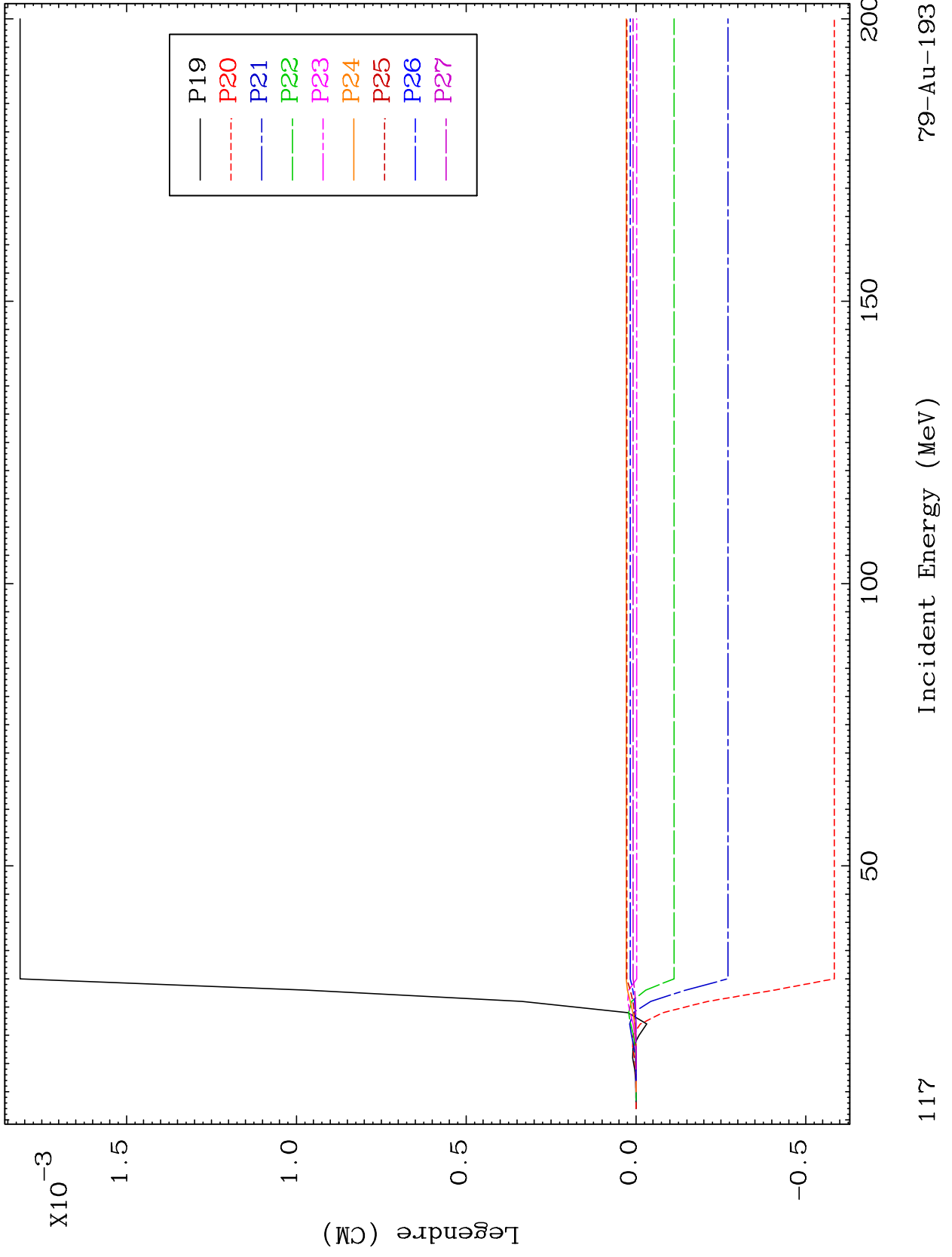
115



MAT 7913

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

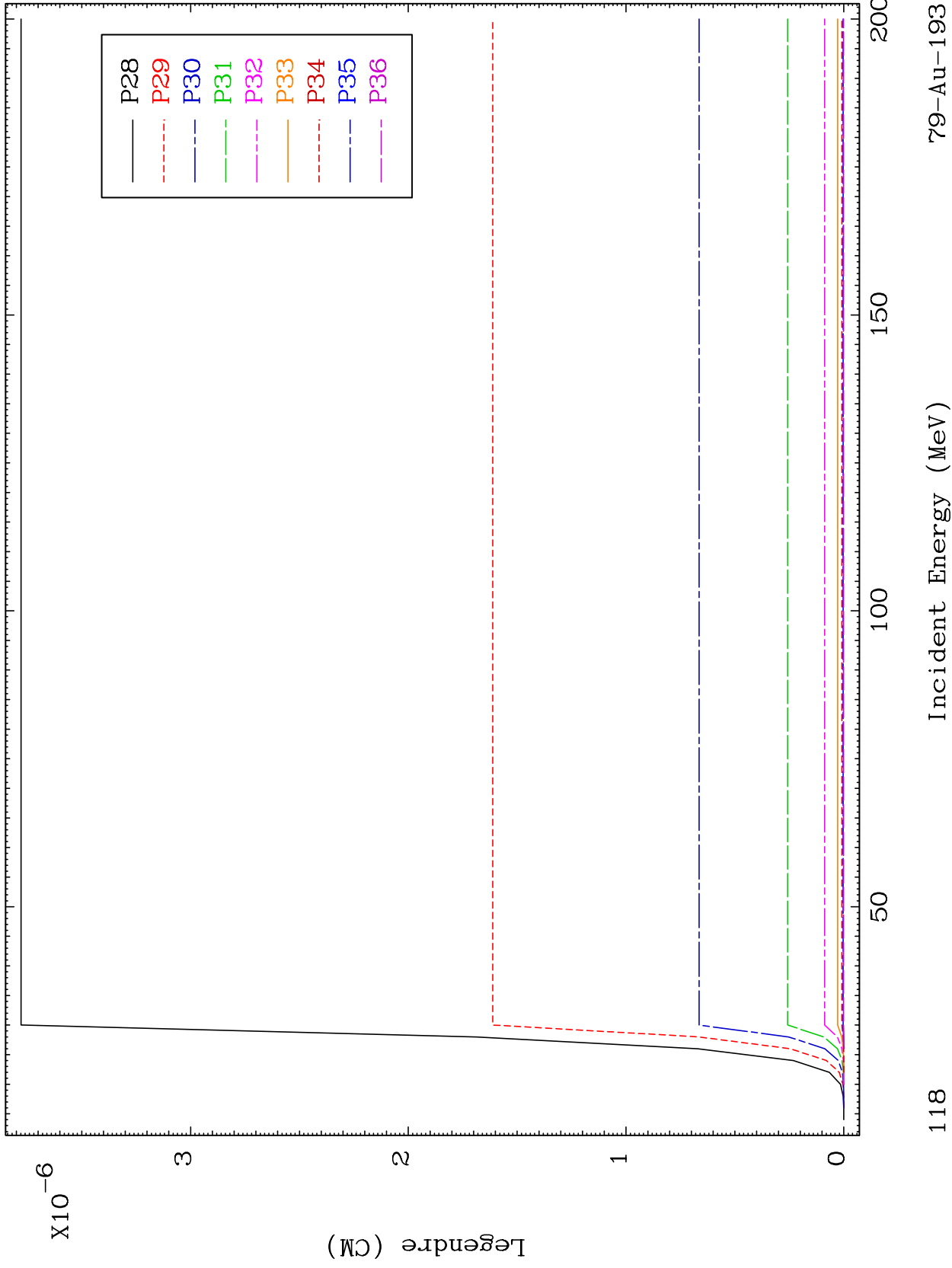
79-Au-193



MAT 7913

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

79-Au-193



118

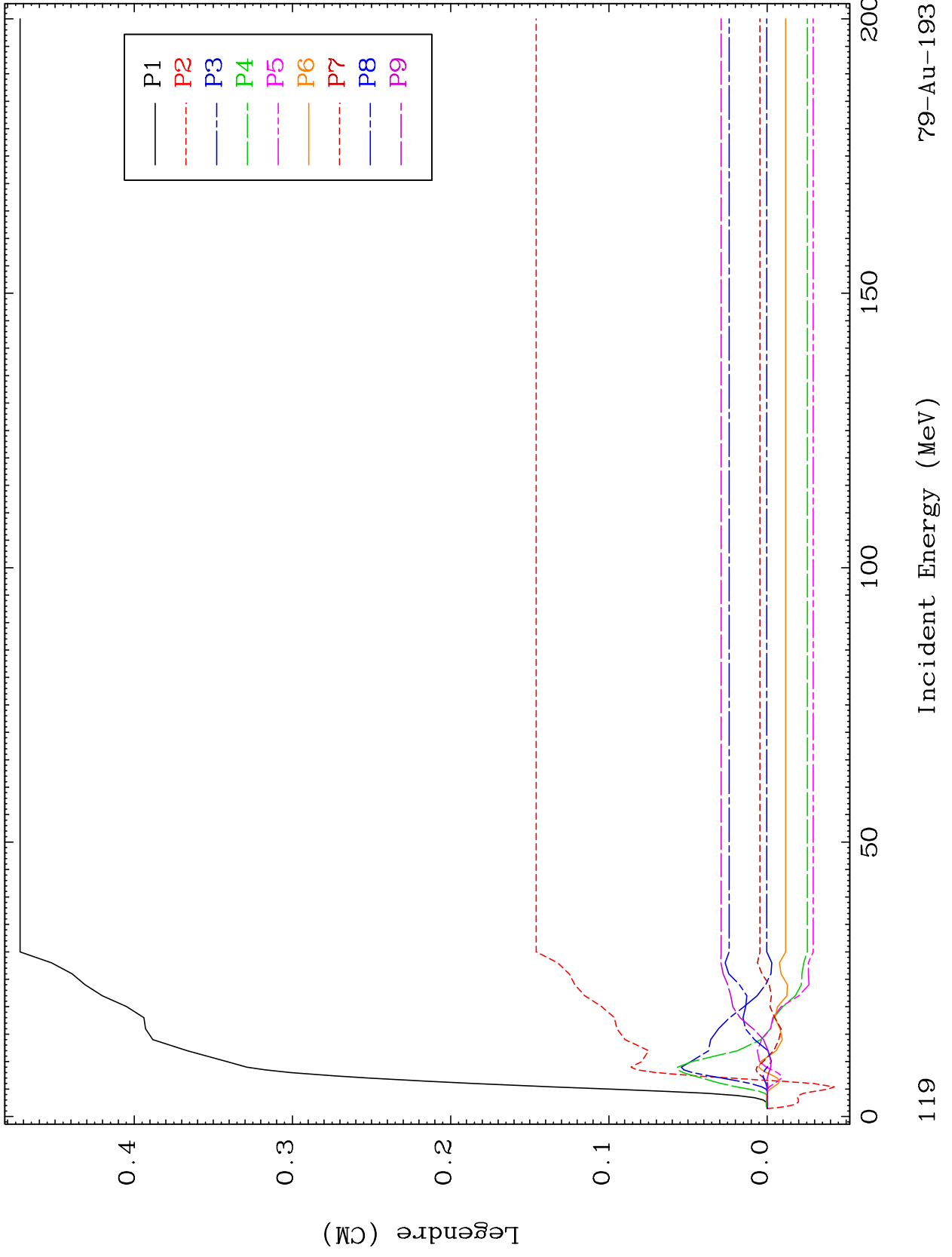
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



79-Au-193

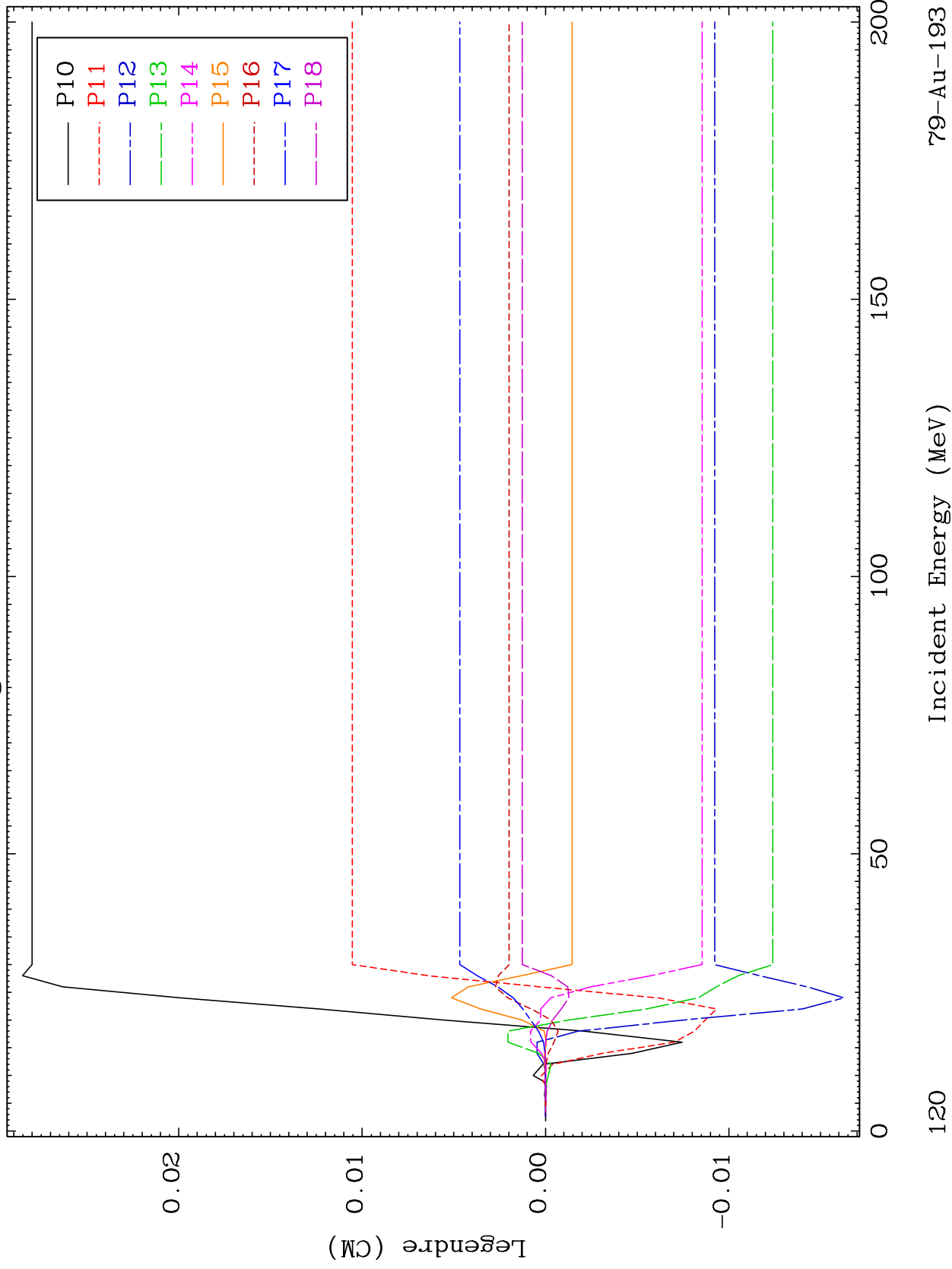
Incident Energy (MeV)

119

MAT 7913

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

79-Au-193



79-Au-193

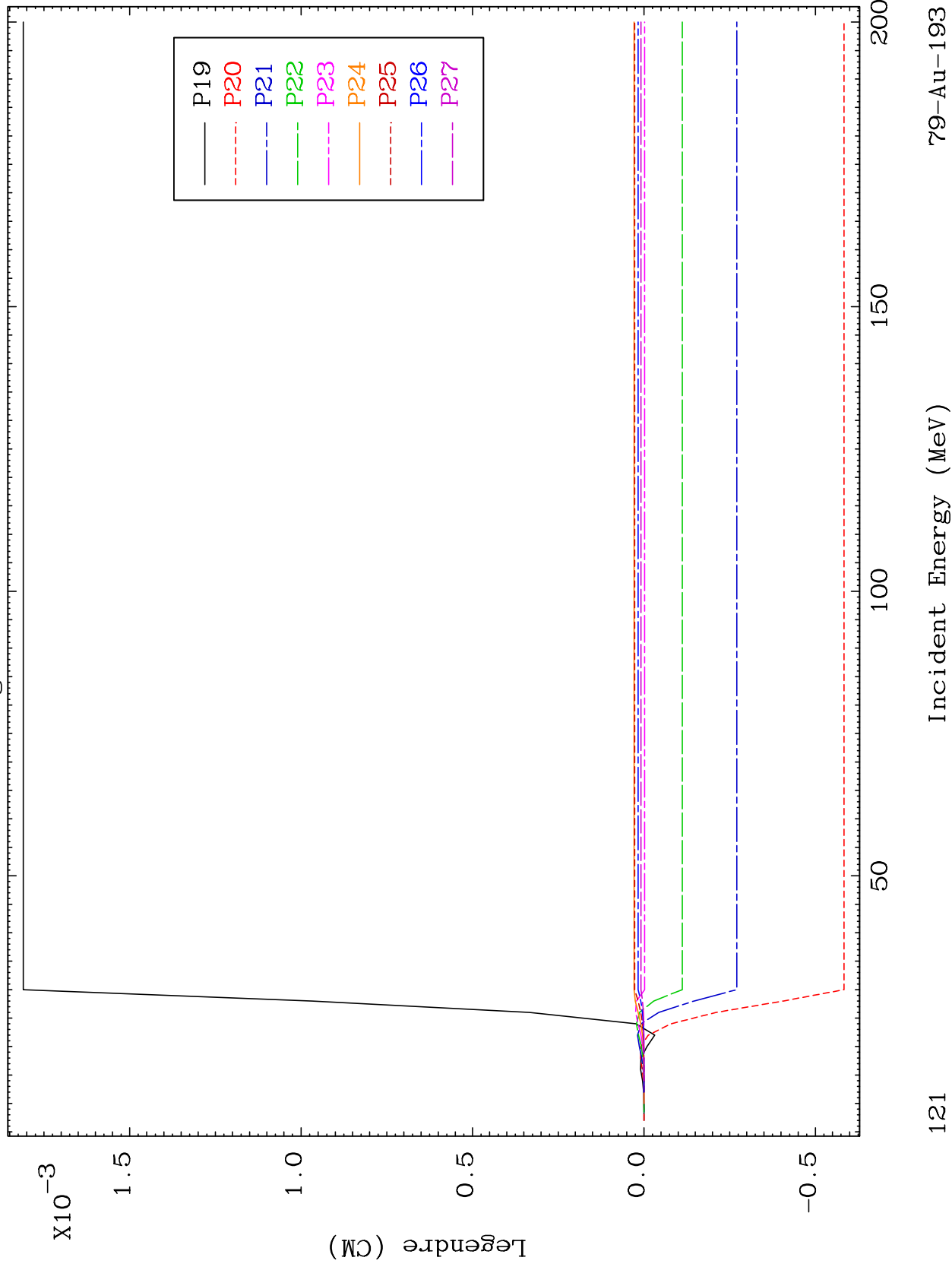
Incident Energy (MeV)

120

MAT 7913

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

79-Au-193



121

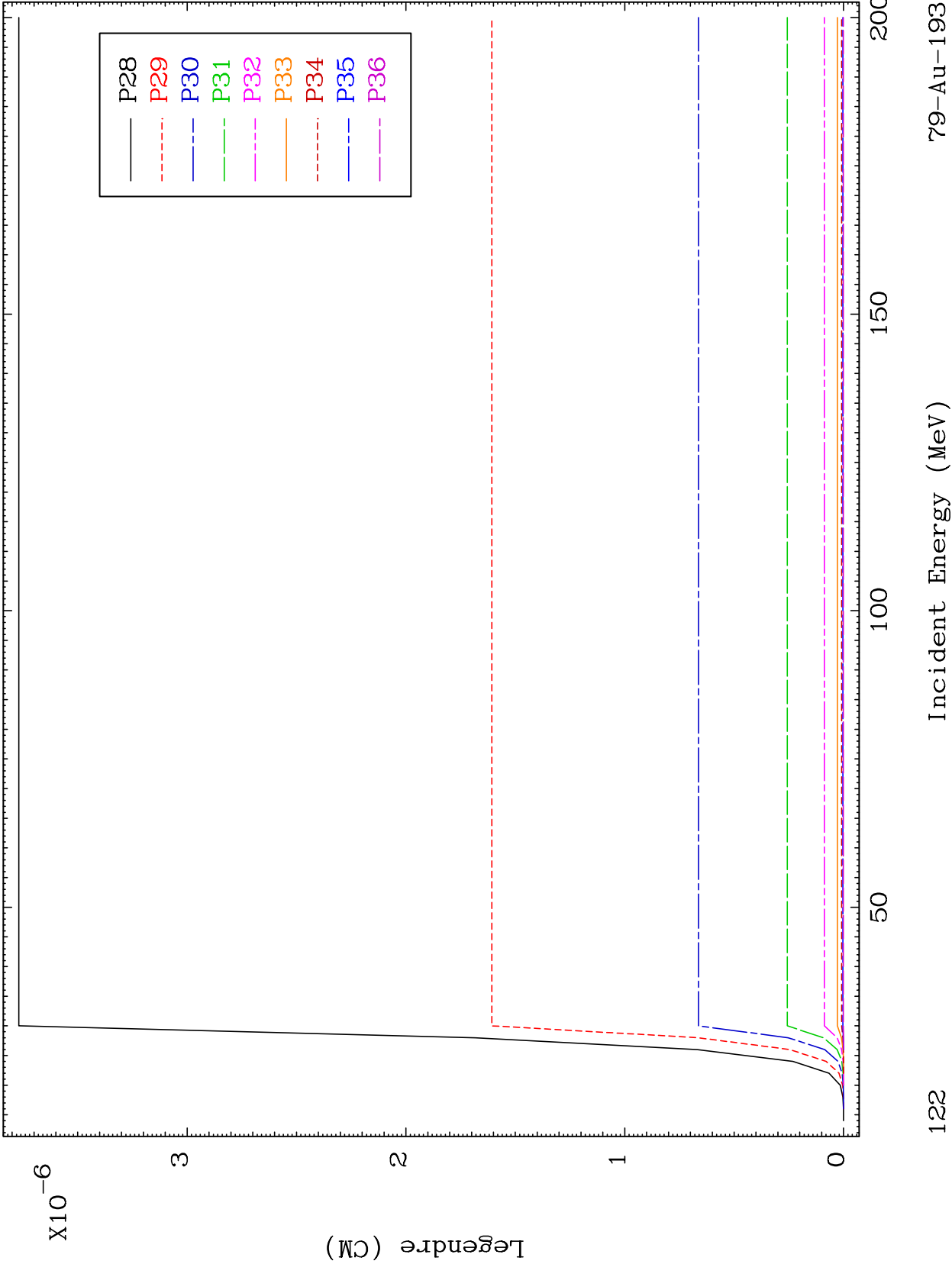
Incident Energy (MeV)

79-Au-193

MAT 7913

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

79-Au-193



122

Incident Energy (MeV)

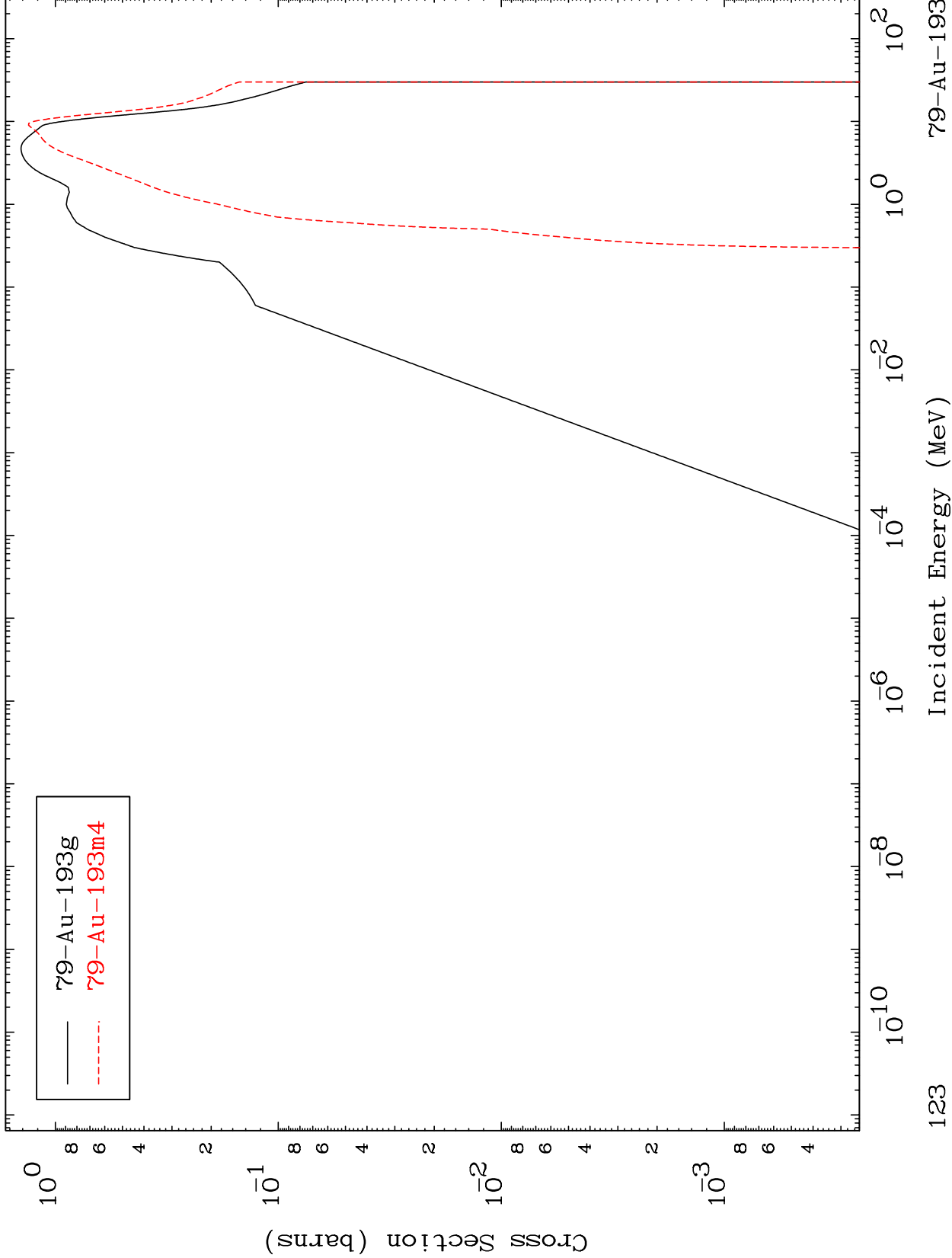
79-Au-193

MAT 7913

Inelastic

79-Au-193

Radionuclide Production Cross Section



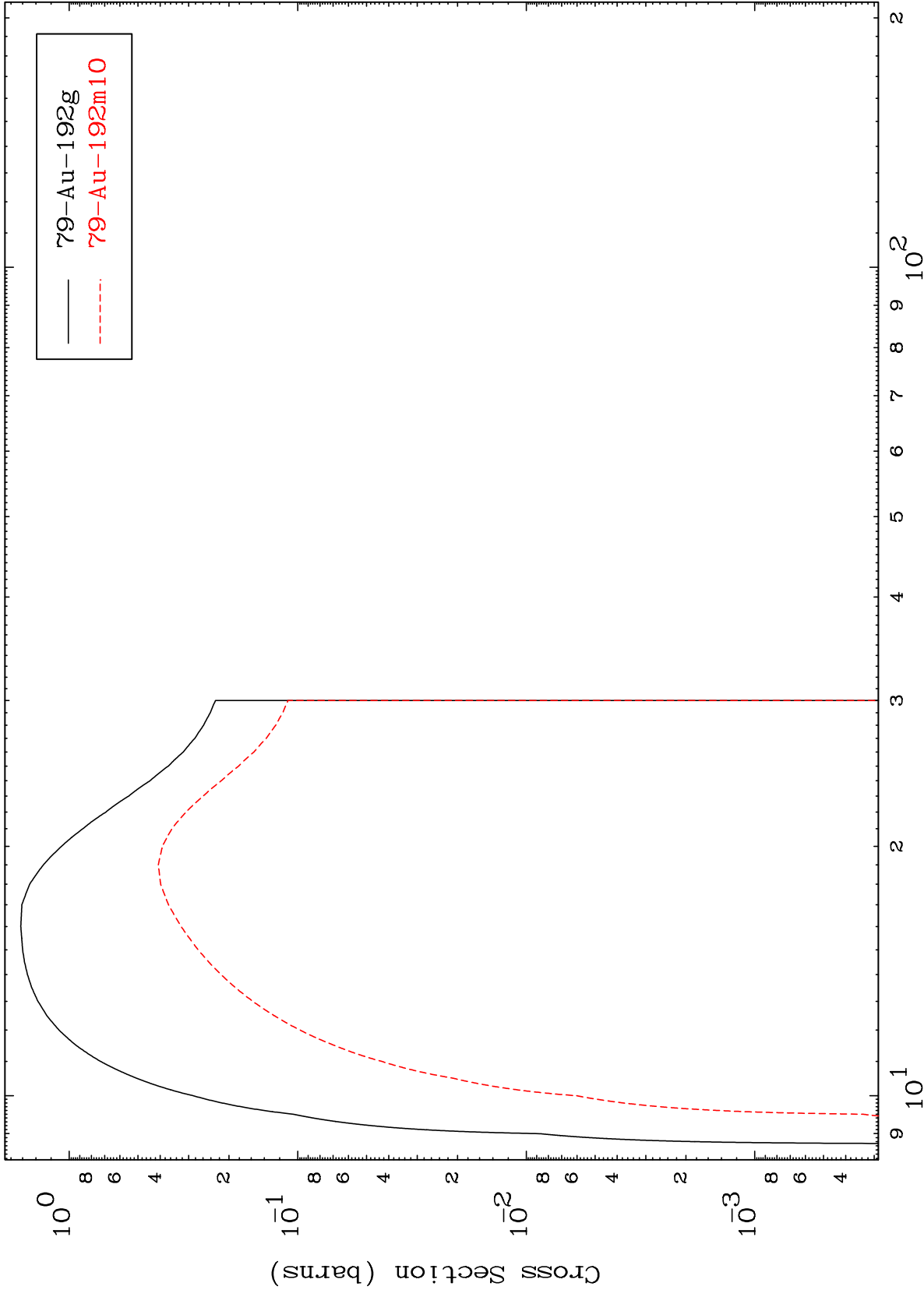
79-Au-193g
79-Au-193m4

MAT 7913

(n,2n)

79-Au-193

Radionuclide Production Cross Section



124

Incident Energy (MeV)

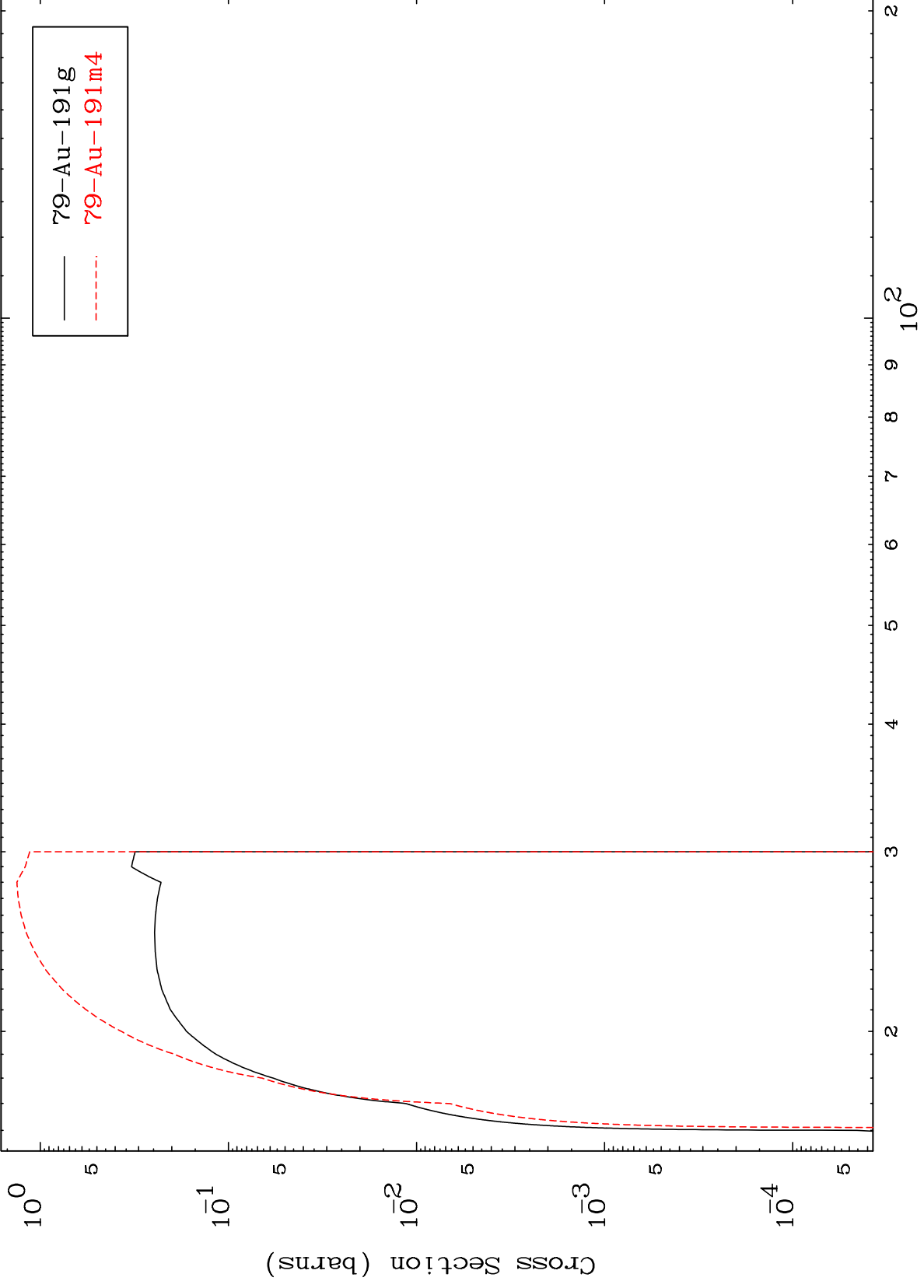
79-Au-193

MAT 7913

(n,3n)

79-Au-193

Radionuclide Production Cross Section



125

Incident Energy (MeV)

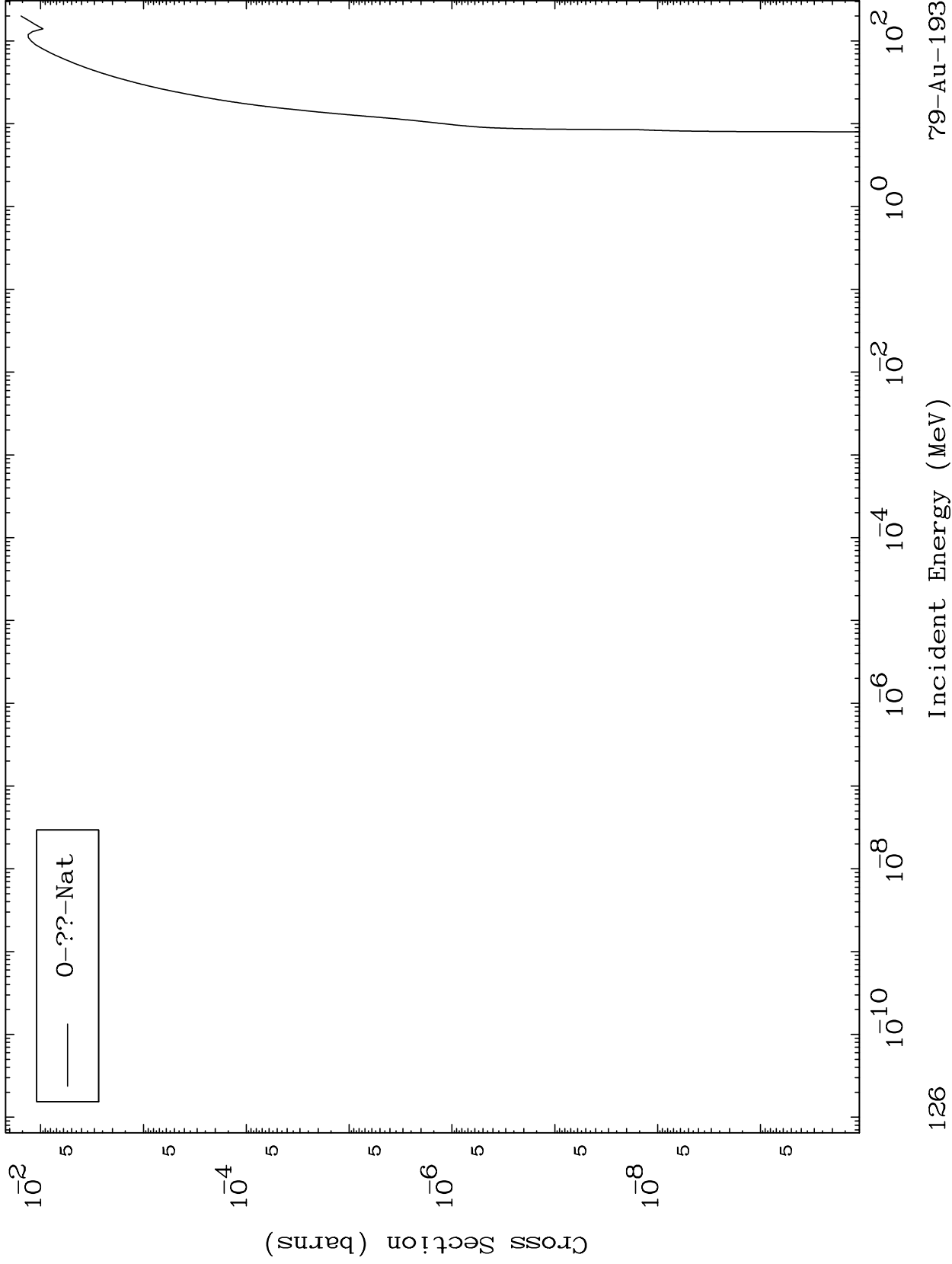
79-Au-193

MAT 7913

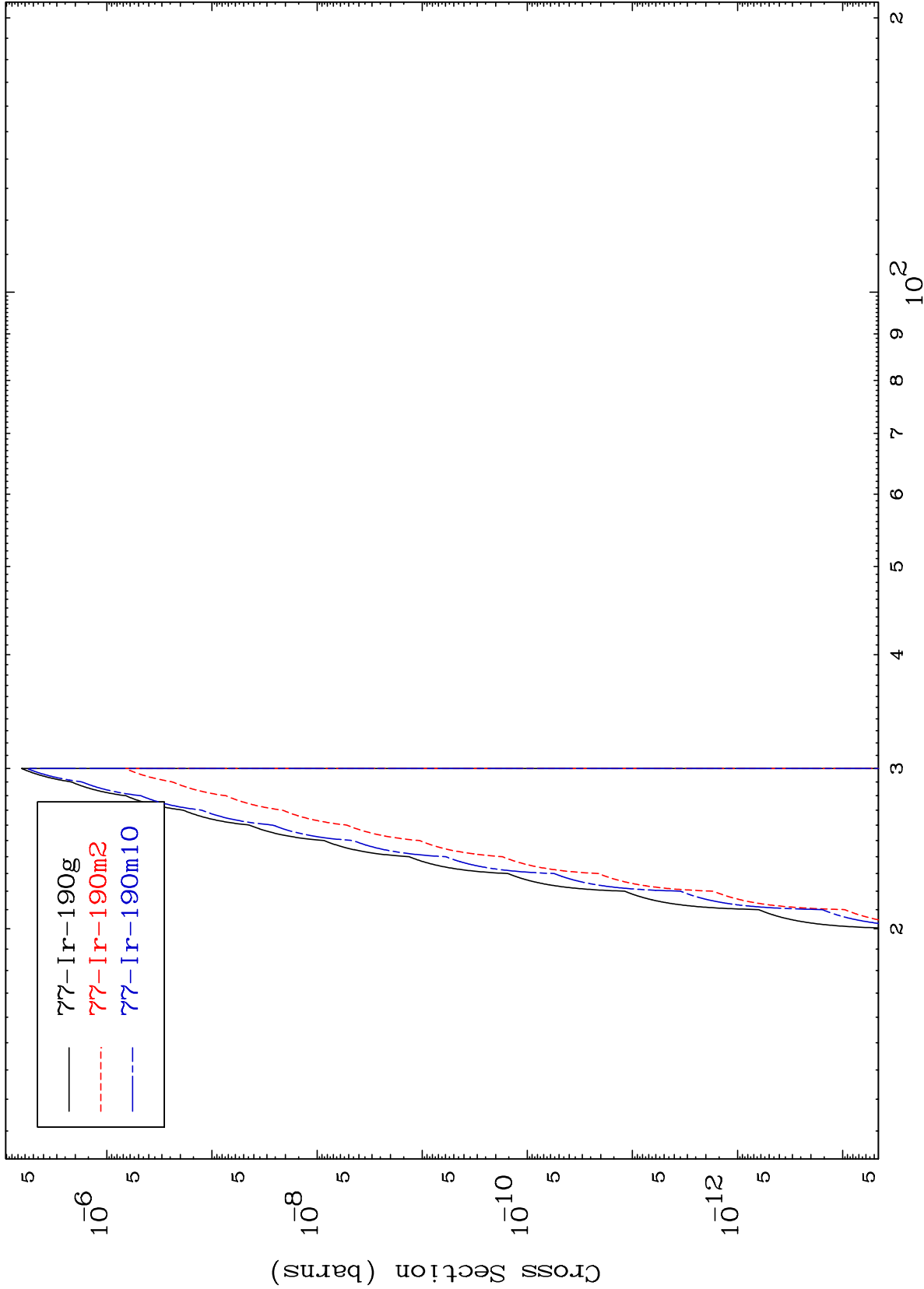
Fission

⁷⁹Au-193

Radionuclide Production Cross Section



Radionuclide Production Cross Section

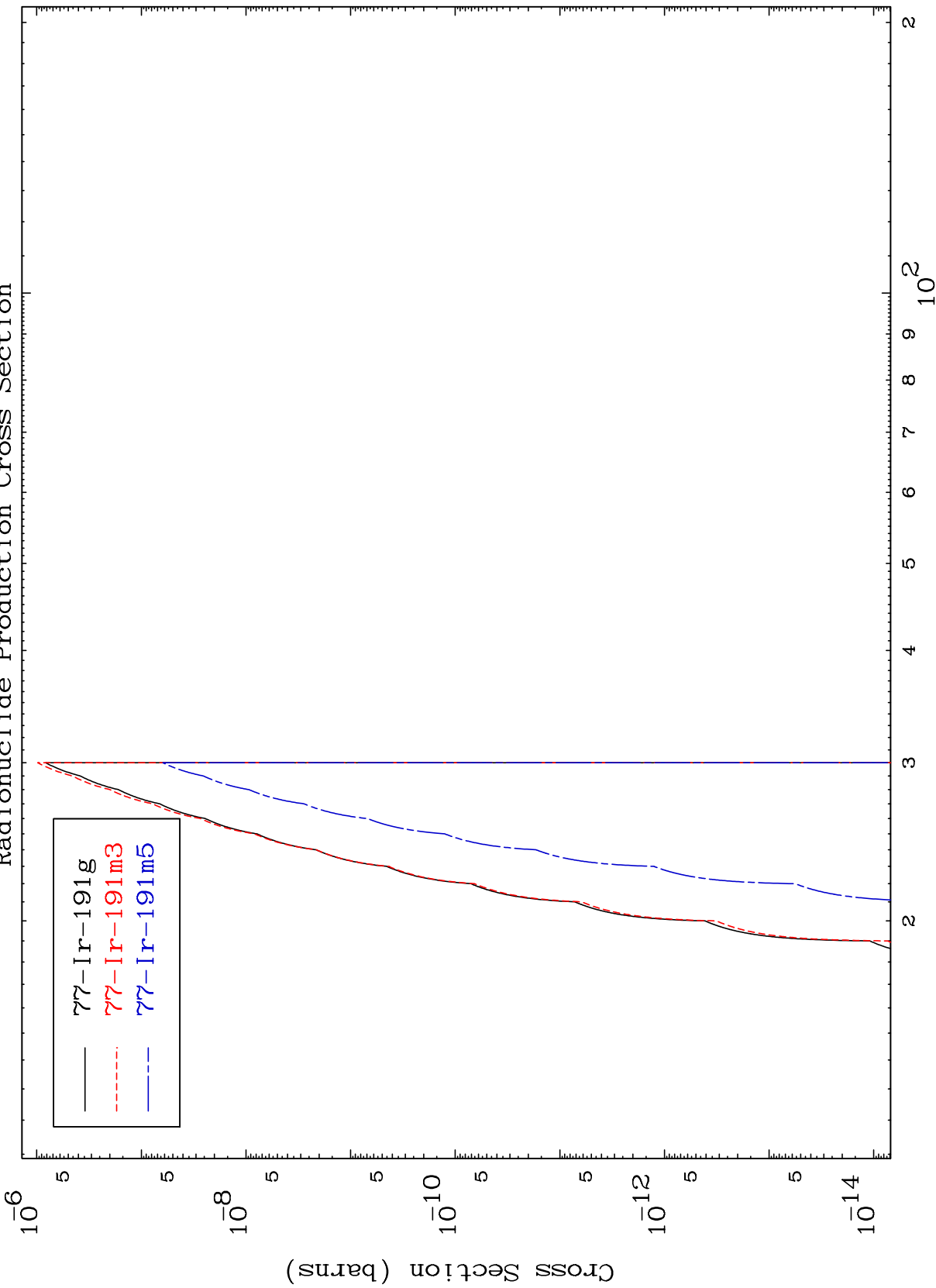


MAT 7913

(n,2n) p

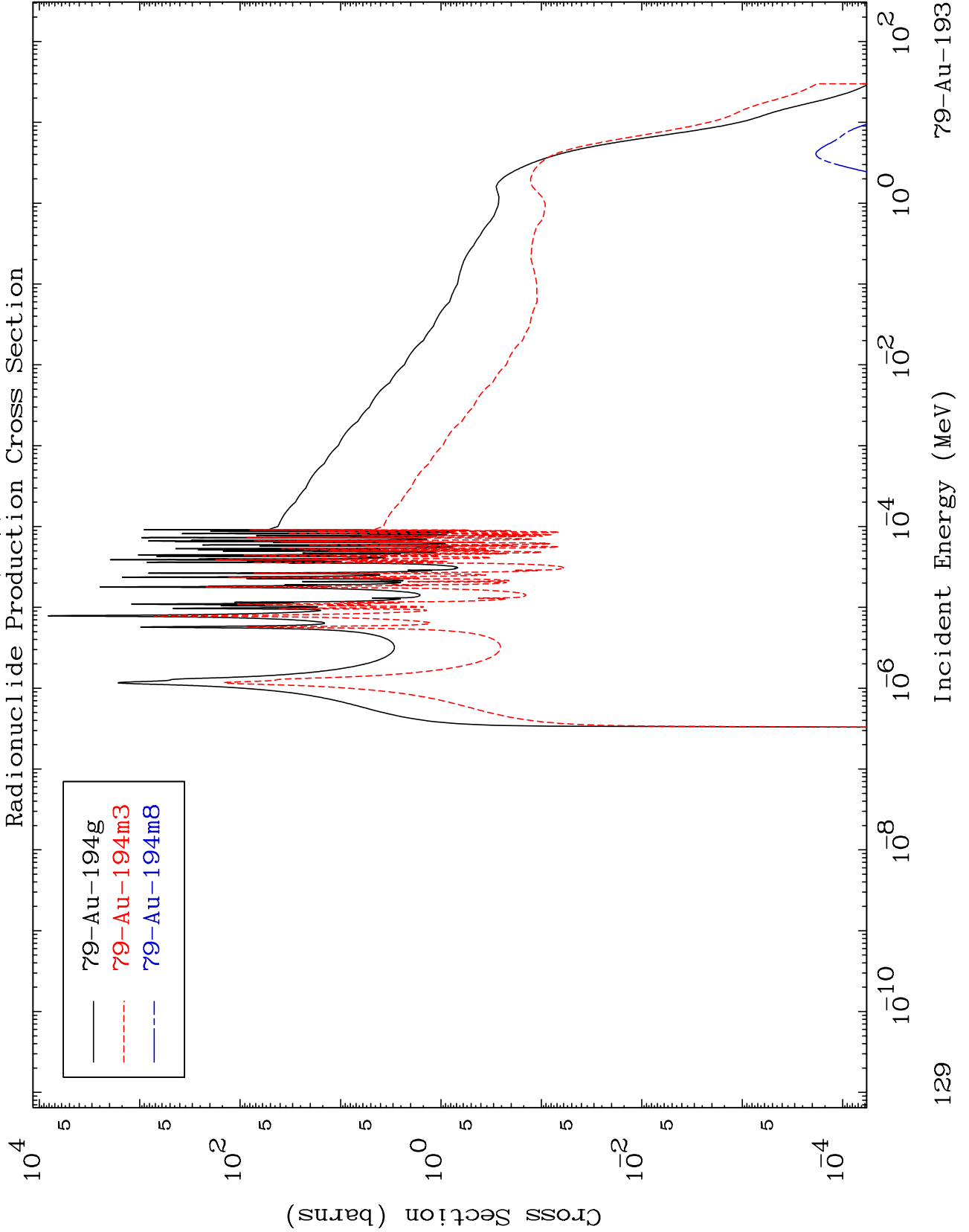
79-Au-193

Radionuclide Production Cross Section



MAT 7913

⁷⁹Au-193

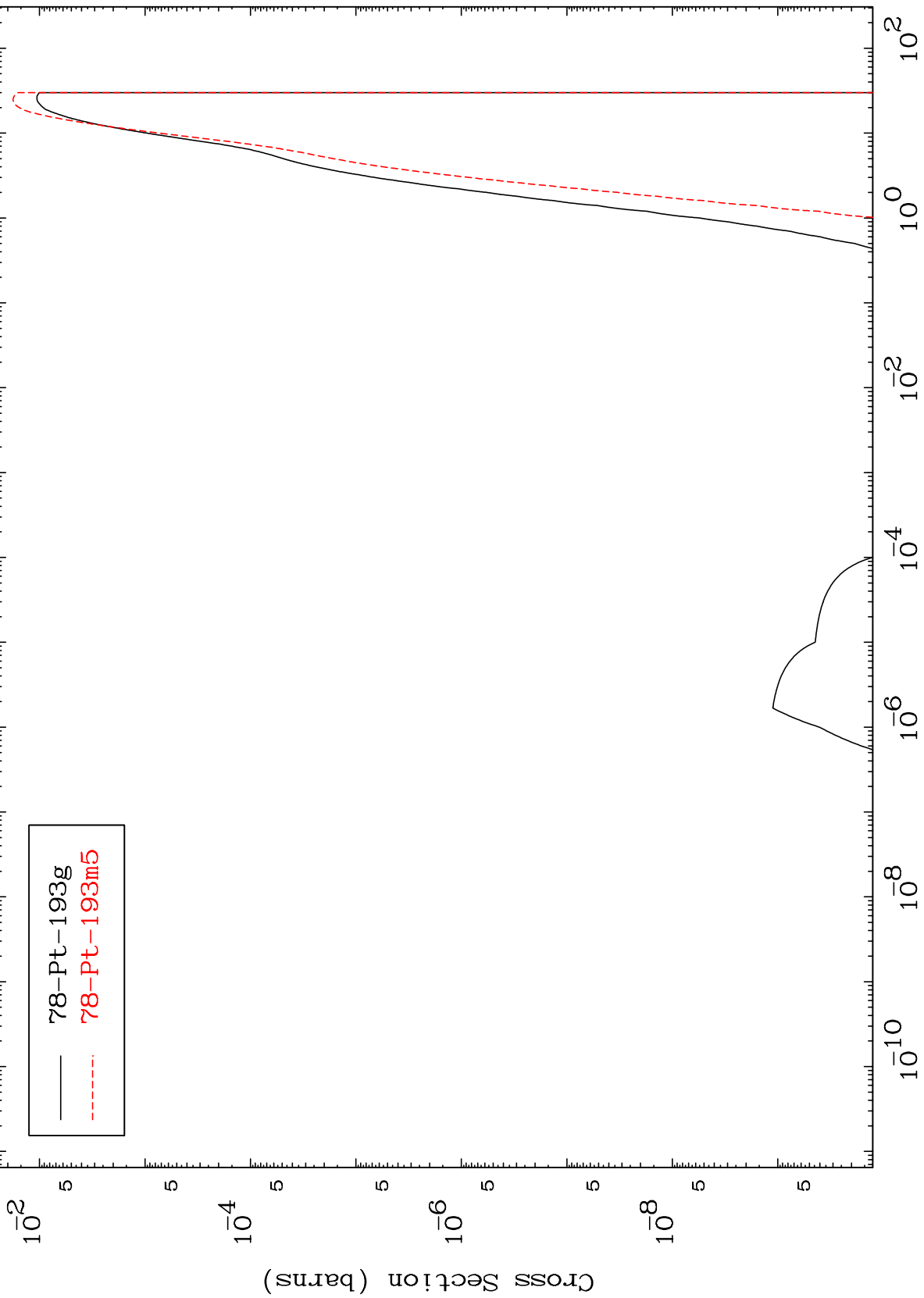


MAT 7913

(n,p)

79-Au-193

Radionuclide Production Cross Section



130

Incident Energy (MeV)

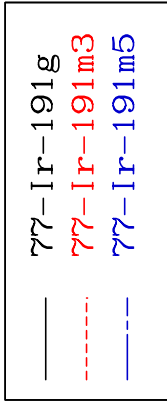
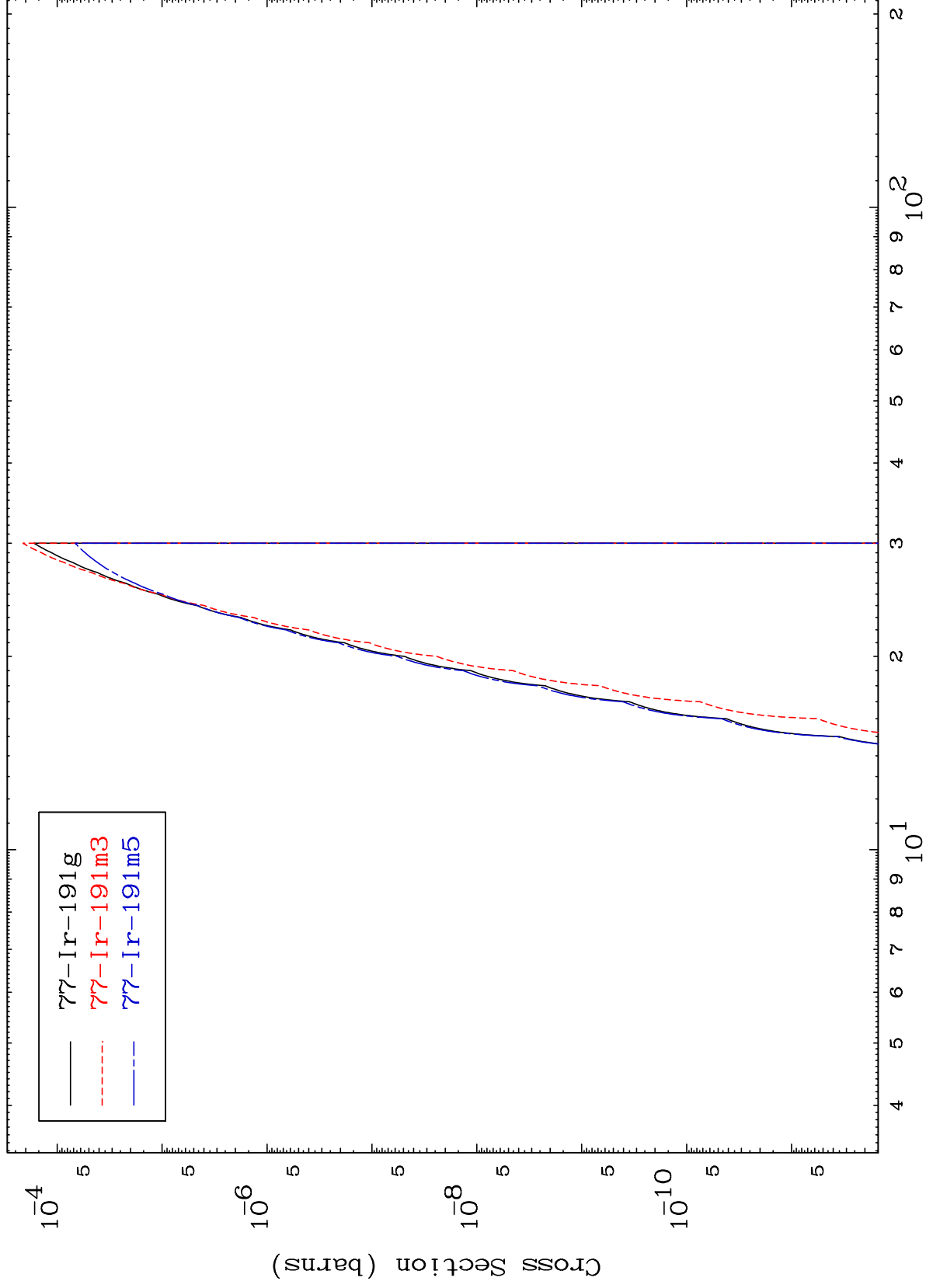
79-Au-193

MAT 7913

(n,He-3)

79-Au-193

Radionuclide Production Cross Section



131

Incident Energy (MeV)

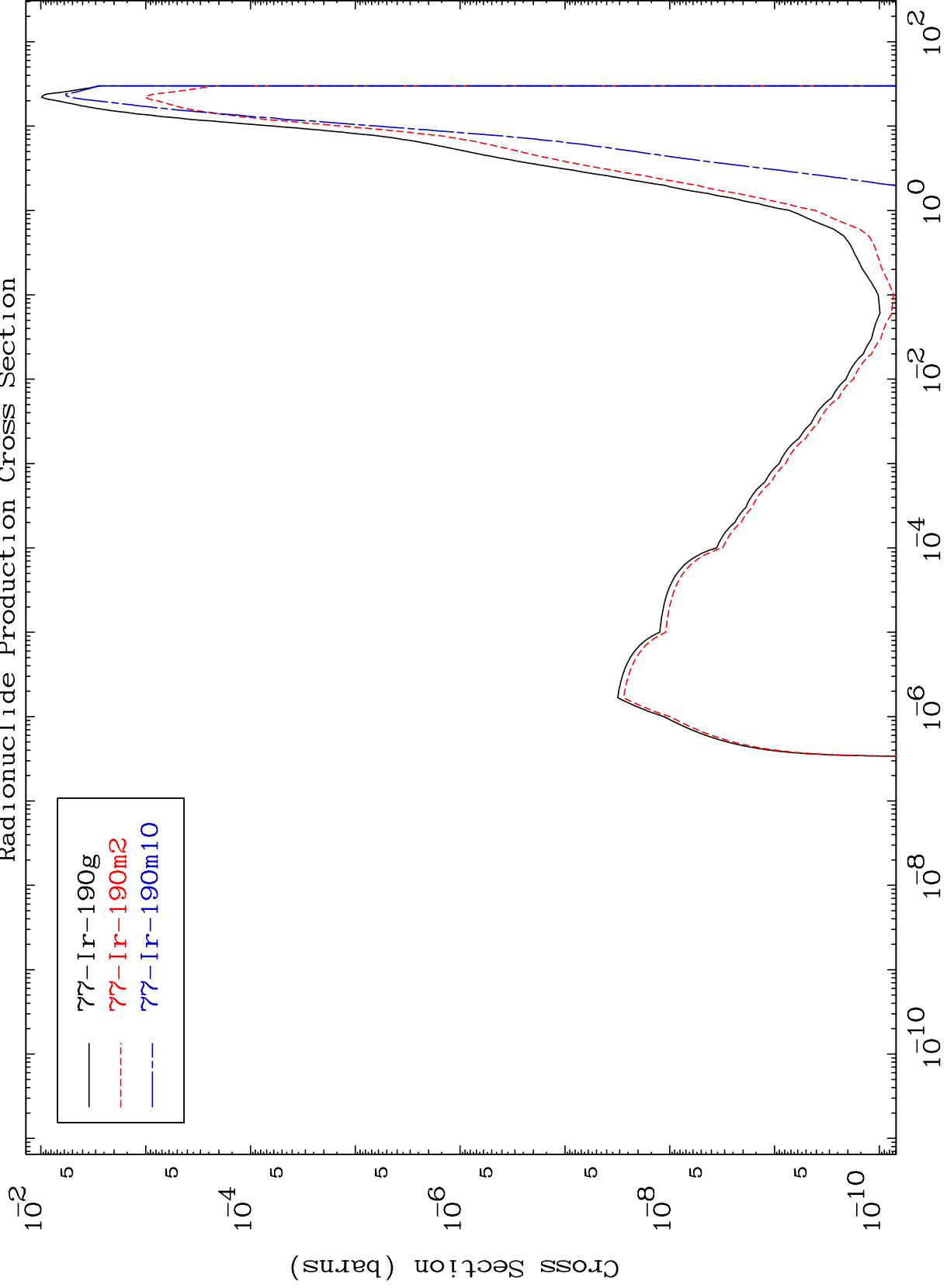
79-Au-193

MAT 7913

(n, α)

79-Au-193

Radionuclide Production Cross Section



132

Incident Energy (MeV)

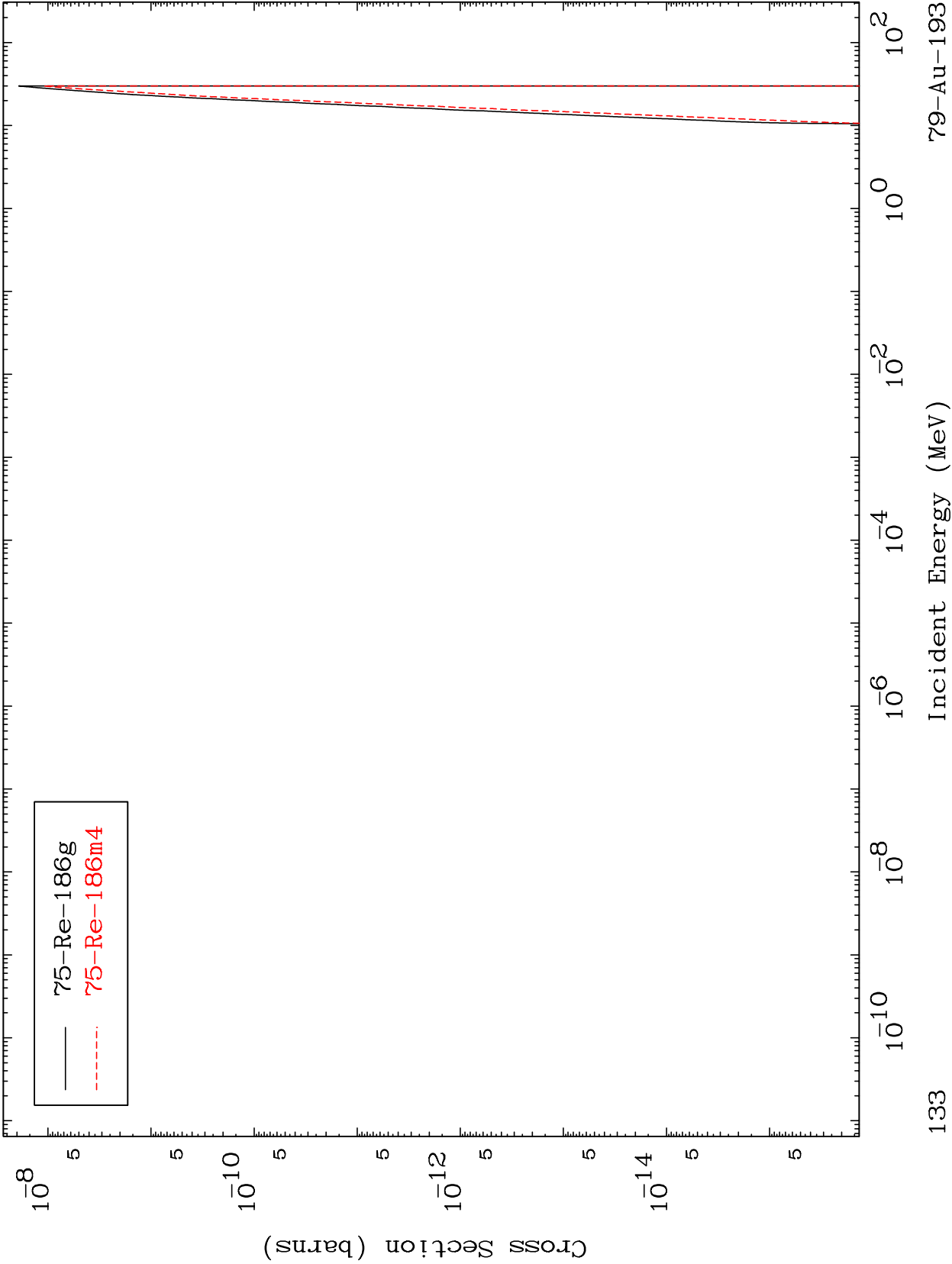
79-Au-193

MAT 7913

(n,2α)

79-Au-193

Radionuclide Production Cross Section

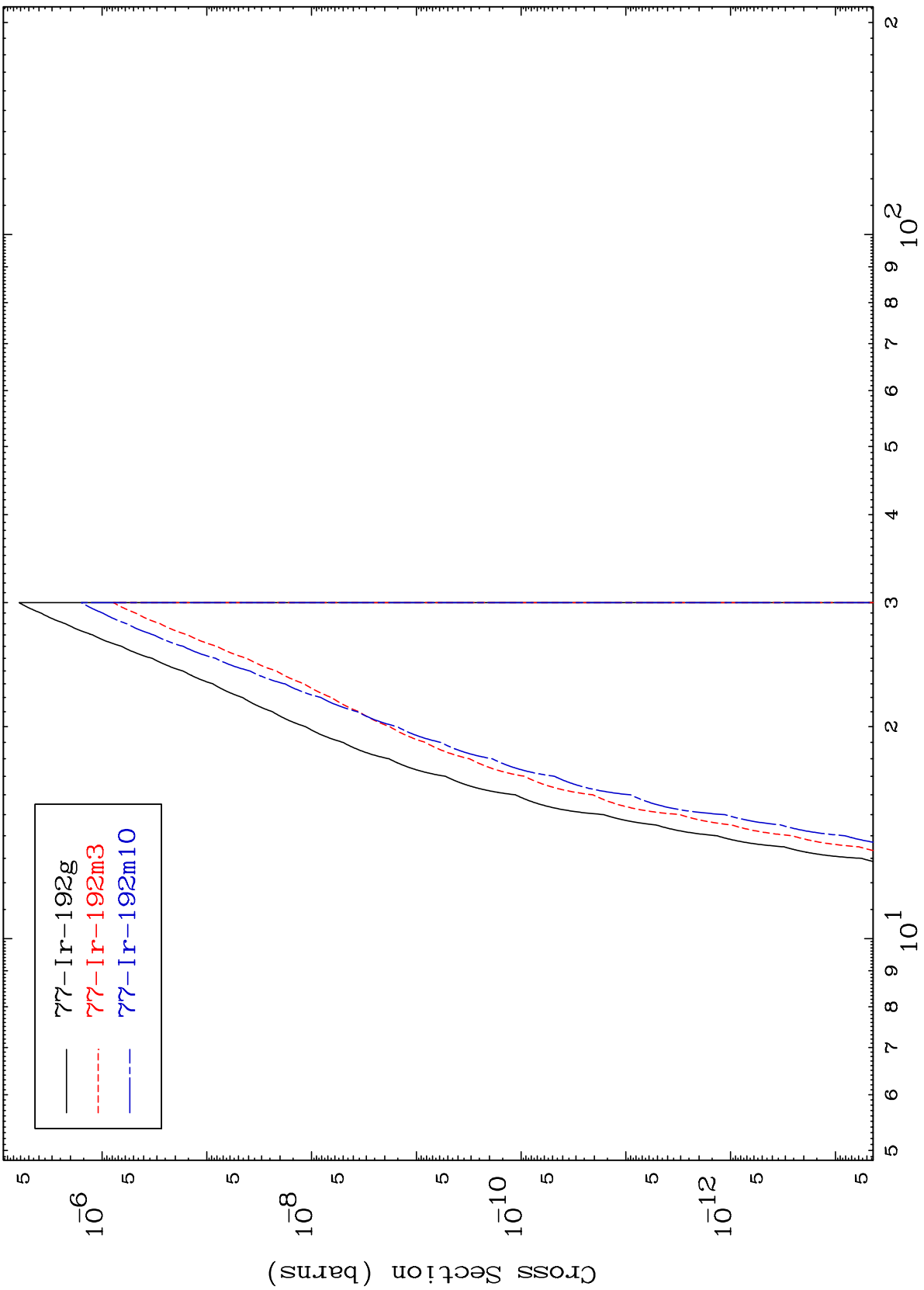


75-Re-186g
75-Re-186m4

MAT 7913

79-Au-193

(n,2p)
Radionuclide Production Cross Section



134

Incident Energy (MeV)

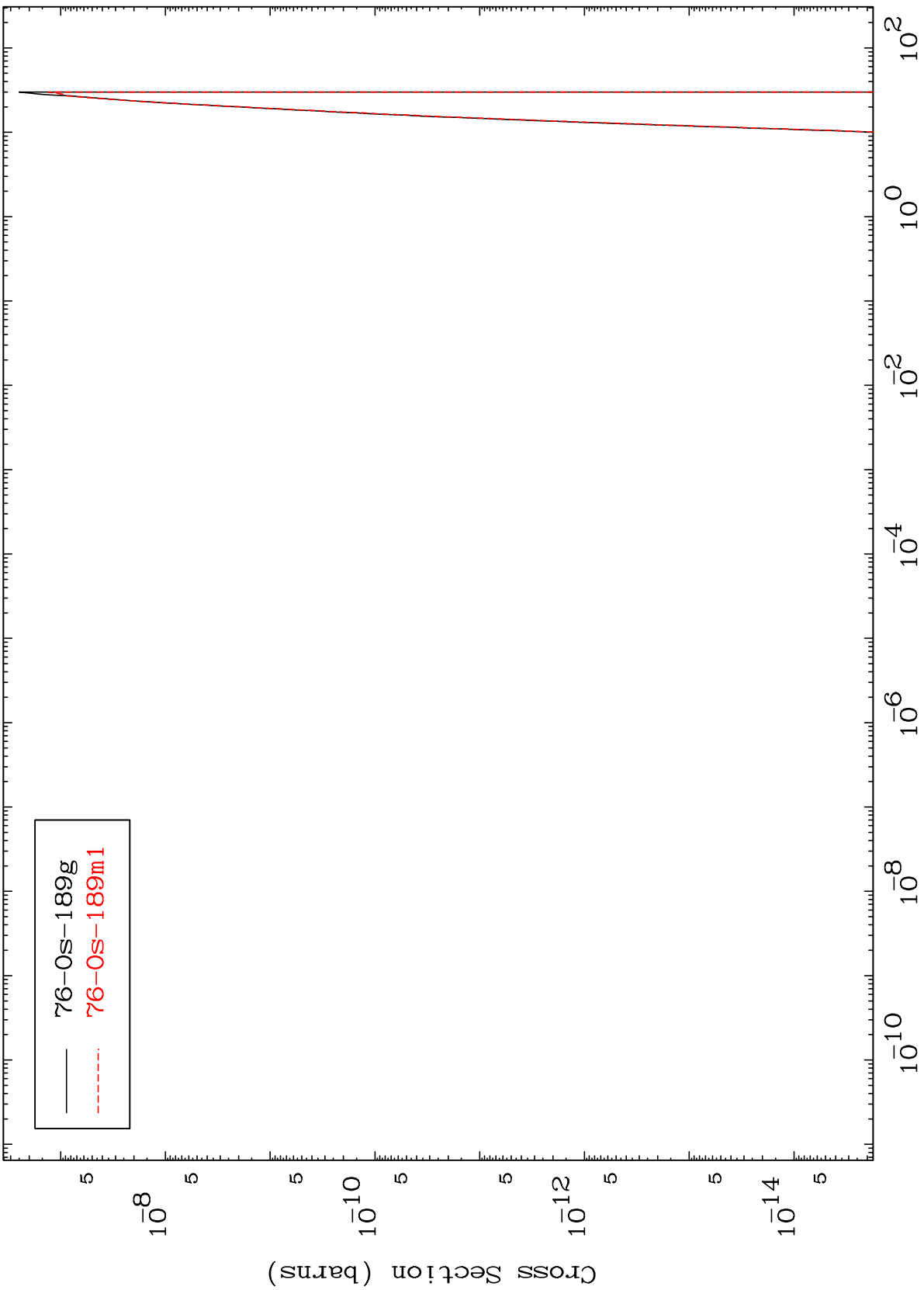
79-Au-193

MAT 7913

(n,p) α

⁷⁹Au-193

Radionuclide Production Cross Section



76-0s-189g
76-0s-189m1

135

Incident Energy (MeV)

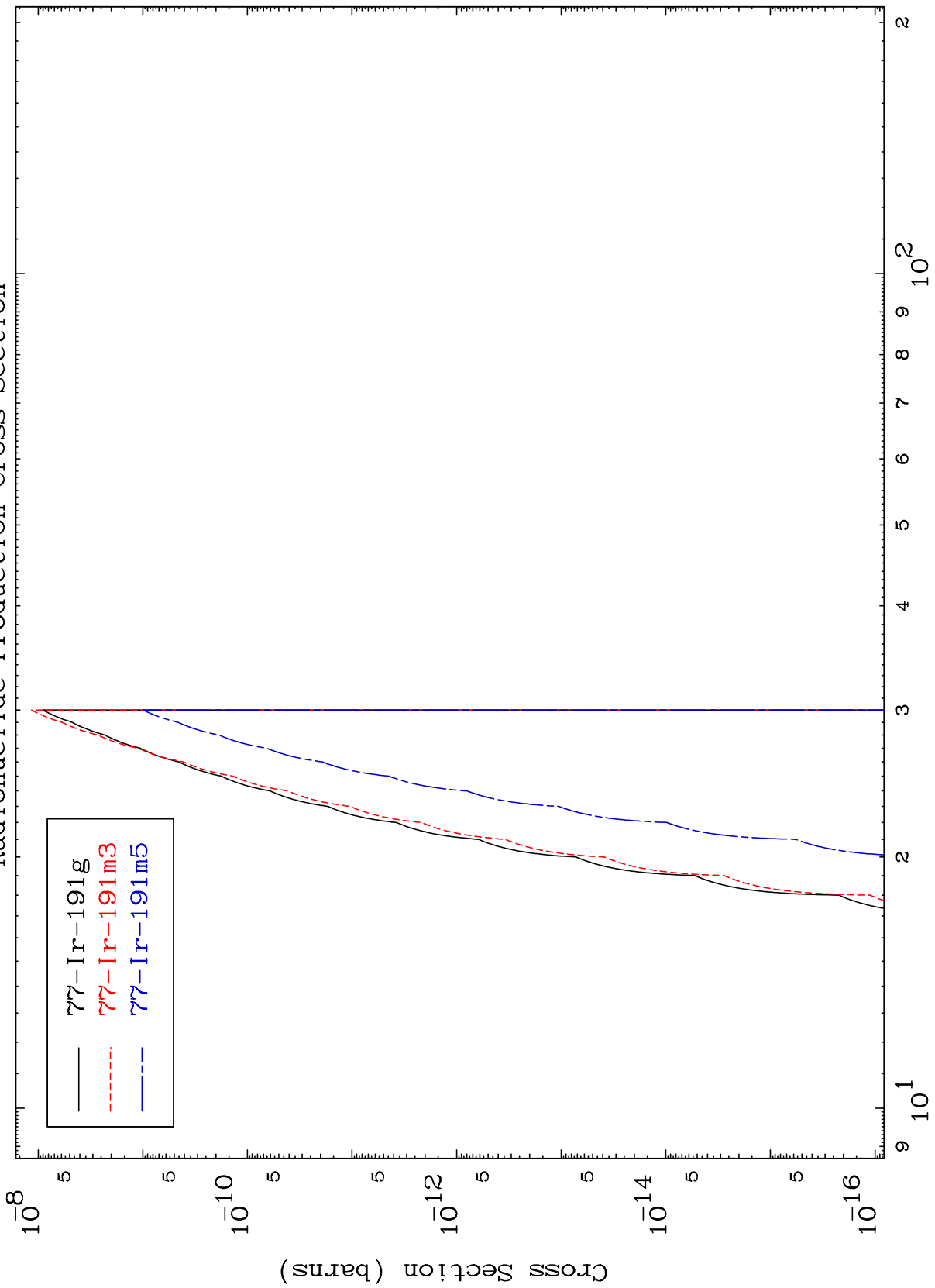
⁷⁹Au-193

MAT 7913

(n,p) d

79-Au-193

Radionuclide Production Cross Section



136

Incident Energy (MeV)

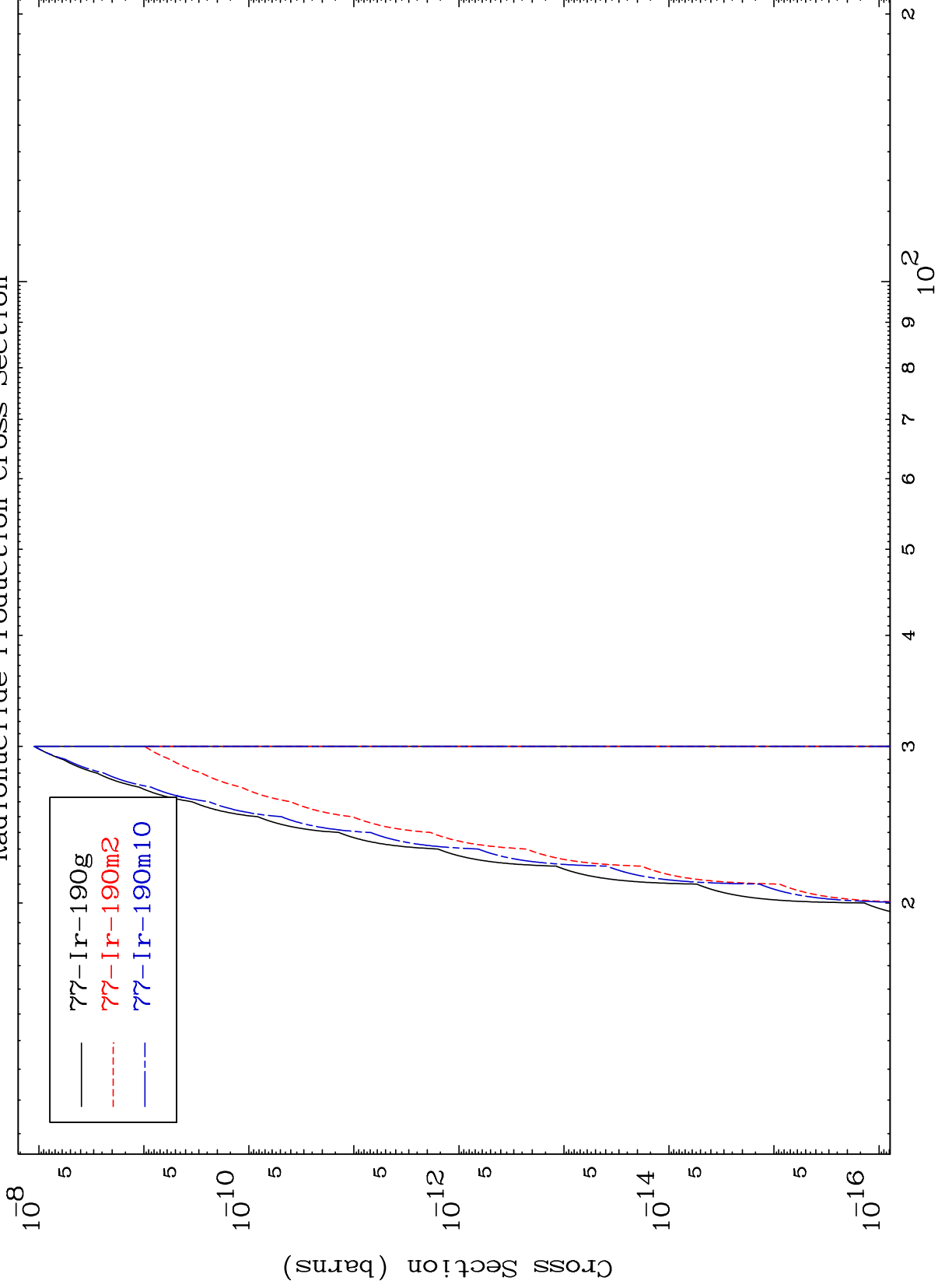
79-Au-193

MAT 7913

(n,p) t

79-Au-193

Radionuclide Production Cross Section



137

Incident Energy (MeV)

79-Au-193