

Program EVALPLOT
(Version 2018-1)

by

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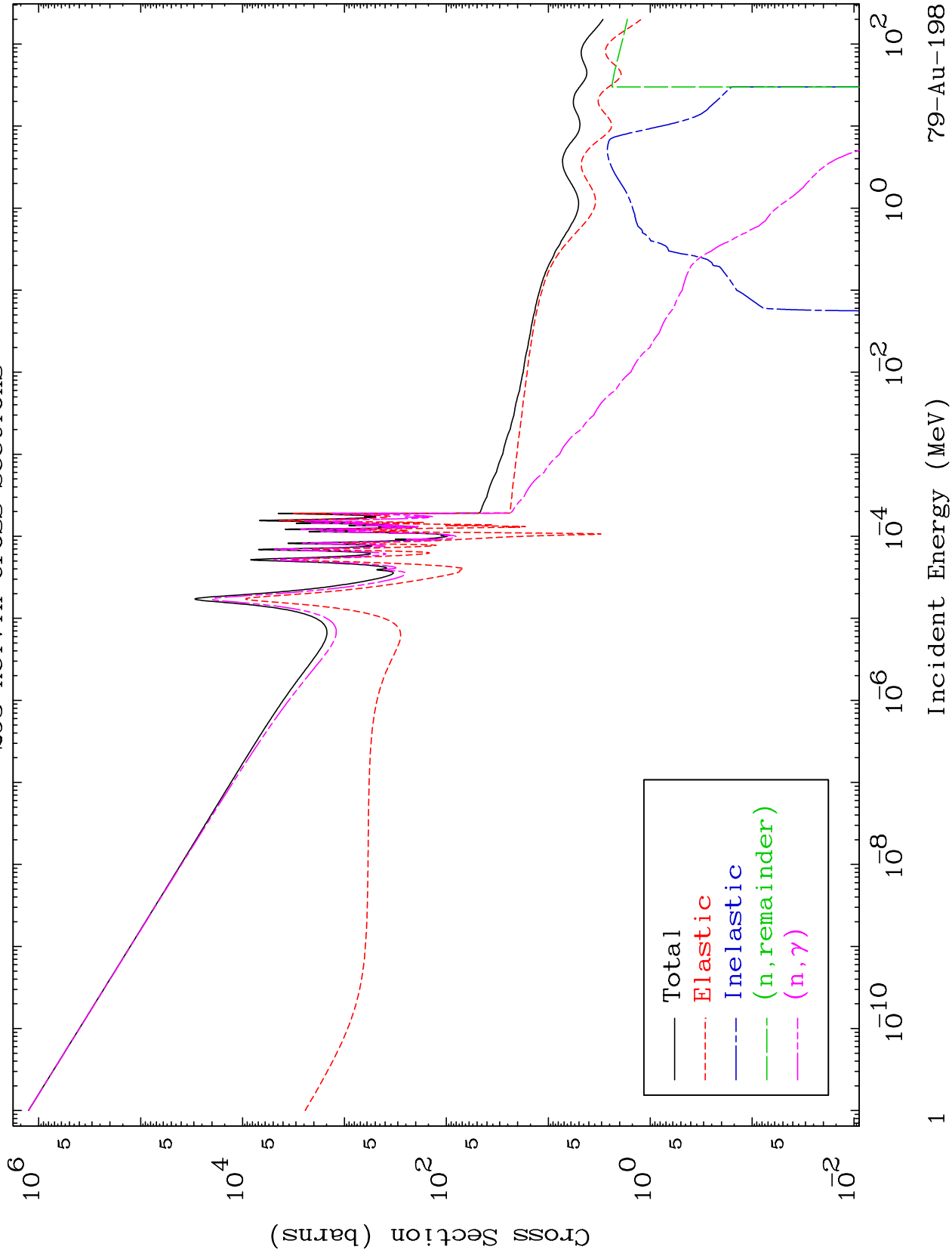
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7928

Major
293 Kelvin Cross Sections

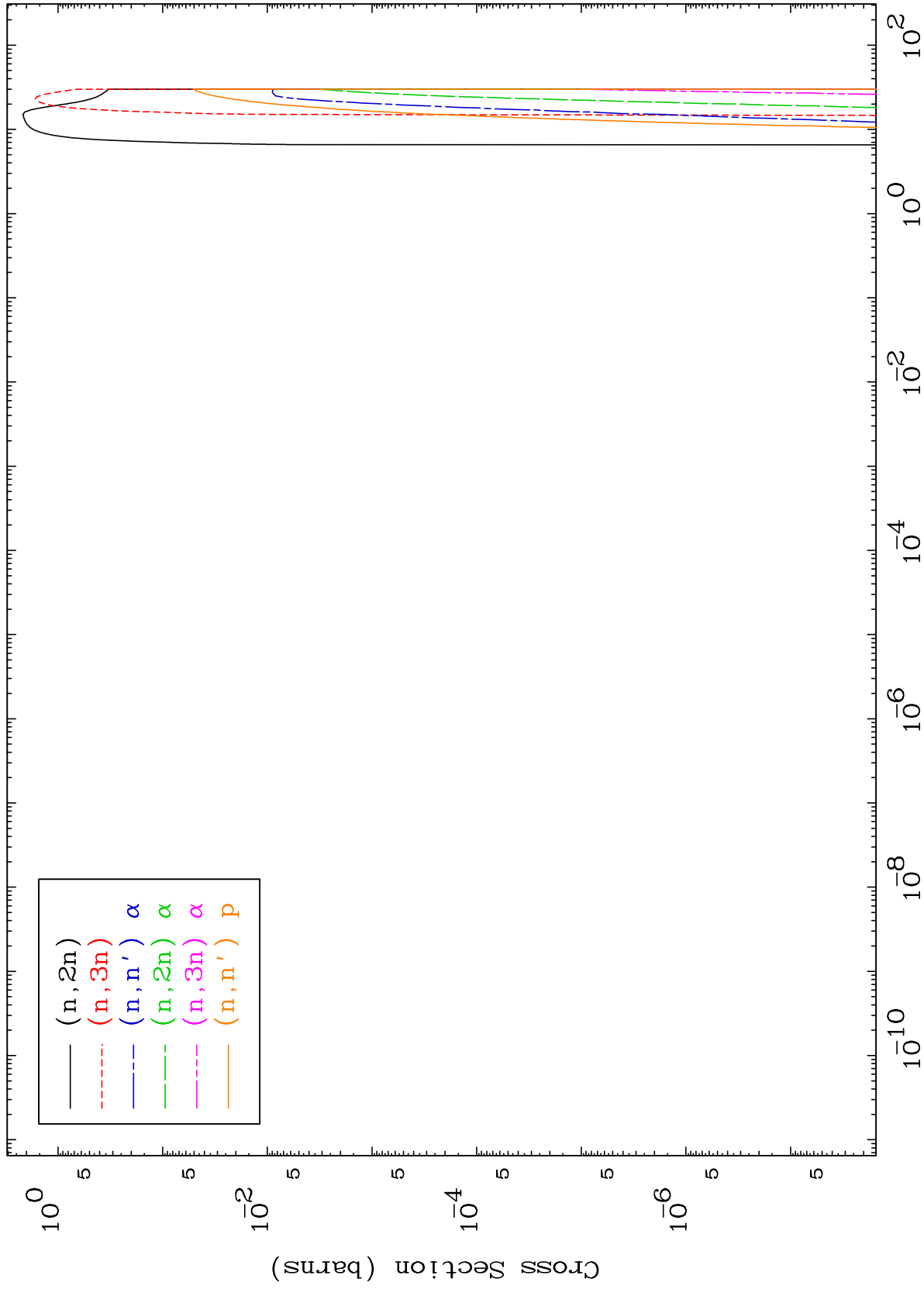
79-Au-198



MAT 7928

Neutron Production
293 Kelvin Cross Sections

79-Au-198



2

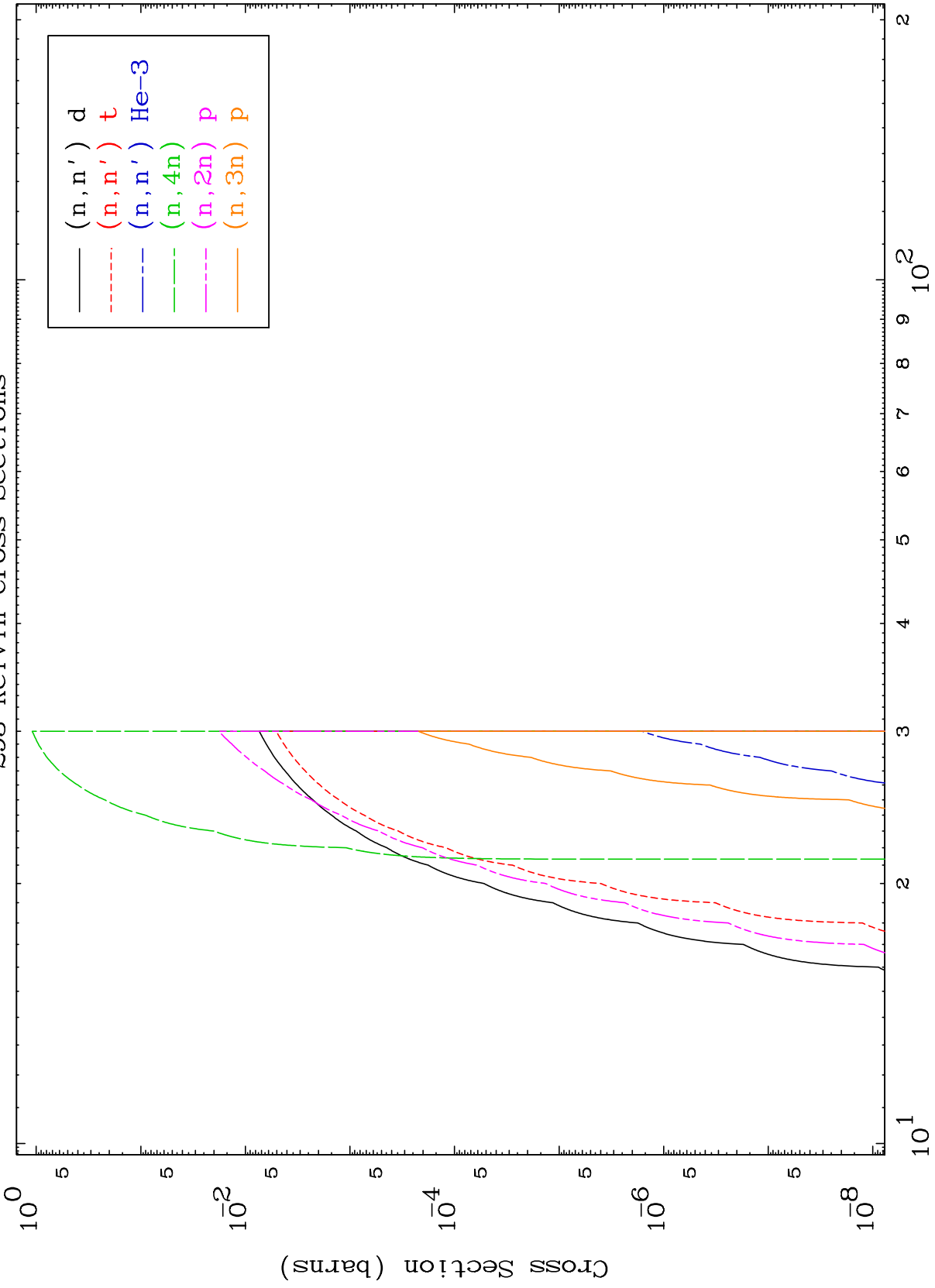
Incident Energy (MeV)

79-Au-198

MAT 7928

Neutron Production
293 Kelvin Cross Sections

79-Au-198



79-Au-198

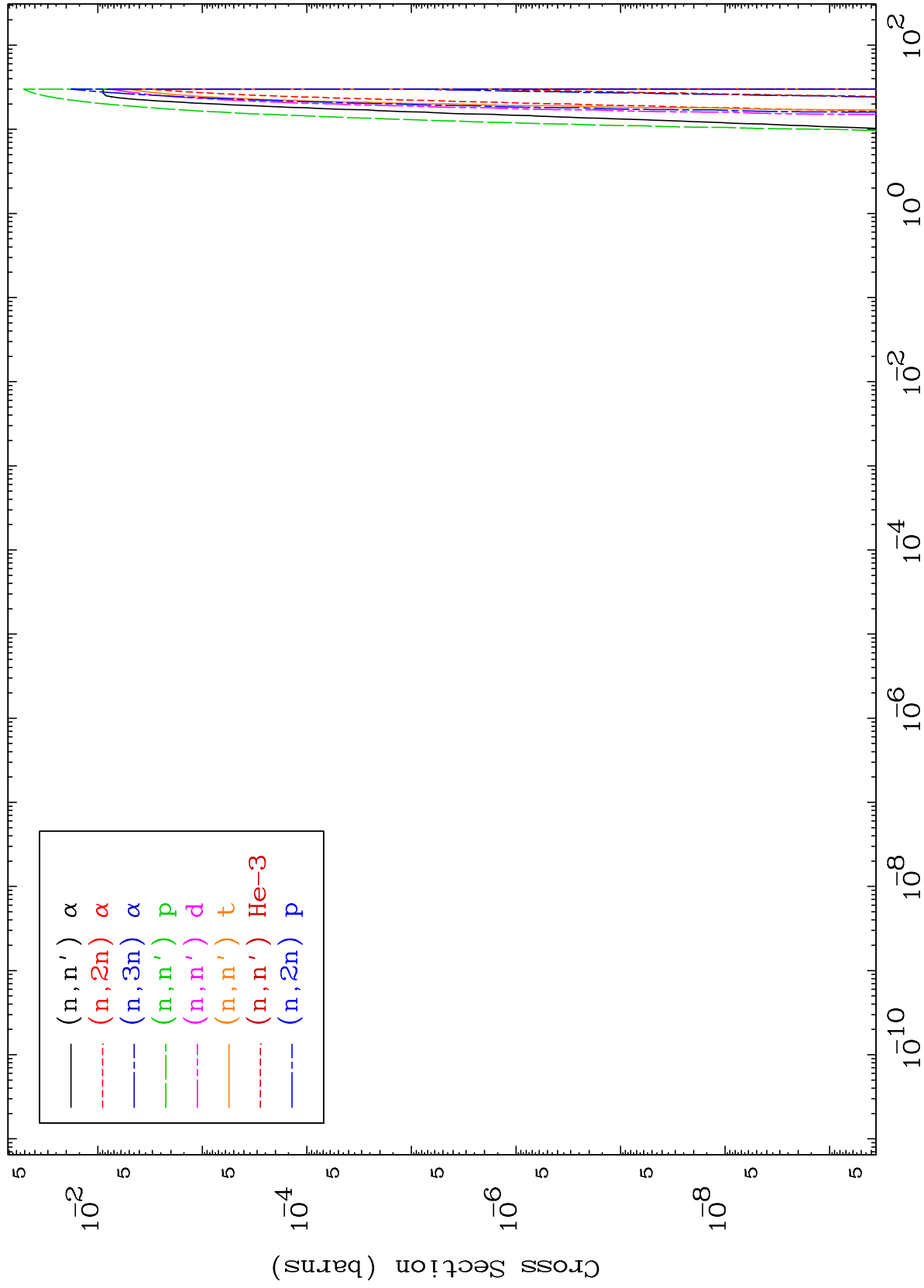
Incident Energy (MeV)

3

MAT 7928

293 Charged Particle
Kelvin Cross Sections

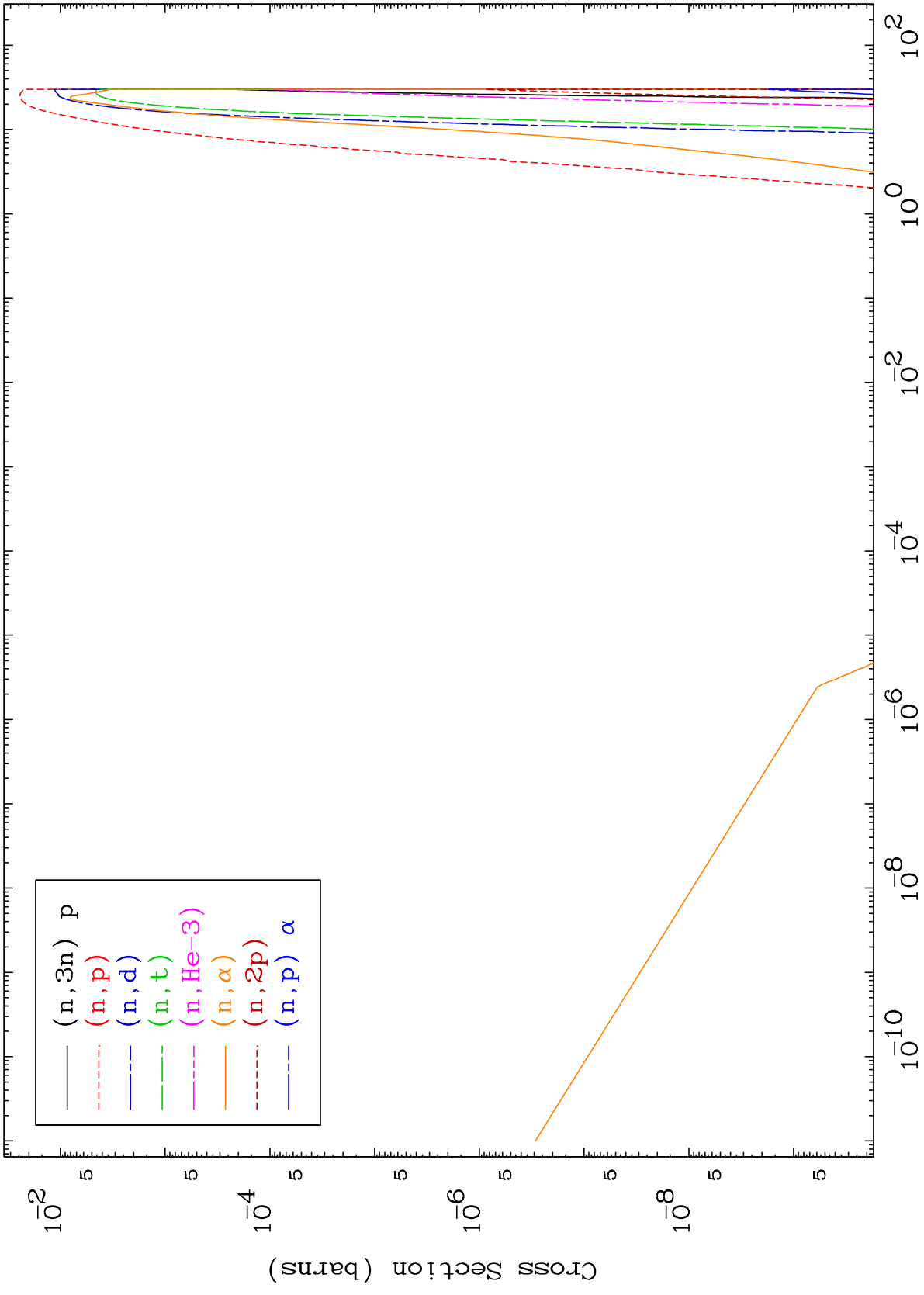
79-Au-198



MAT 7928

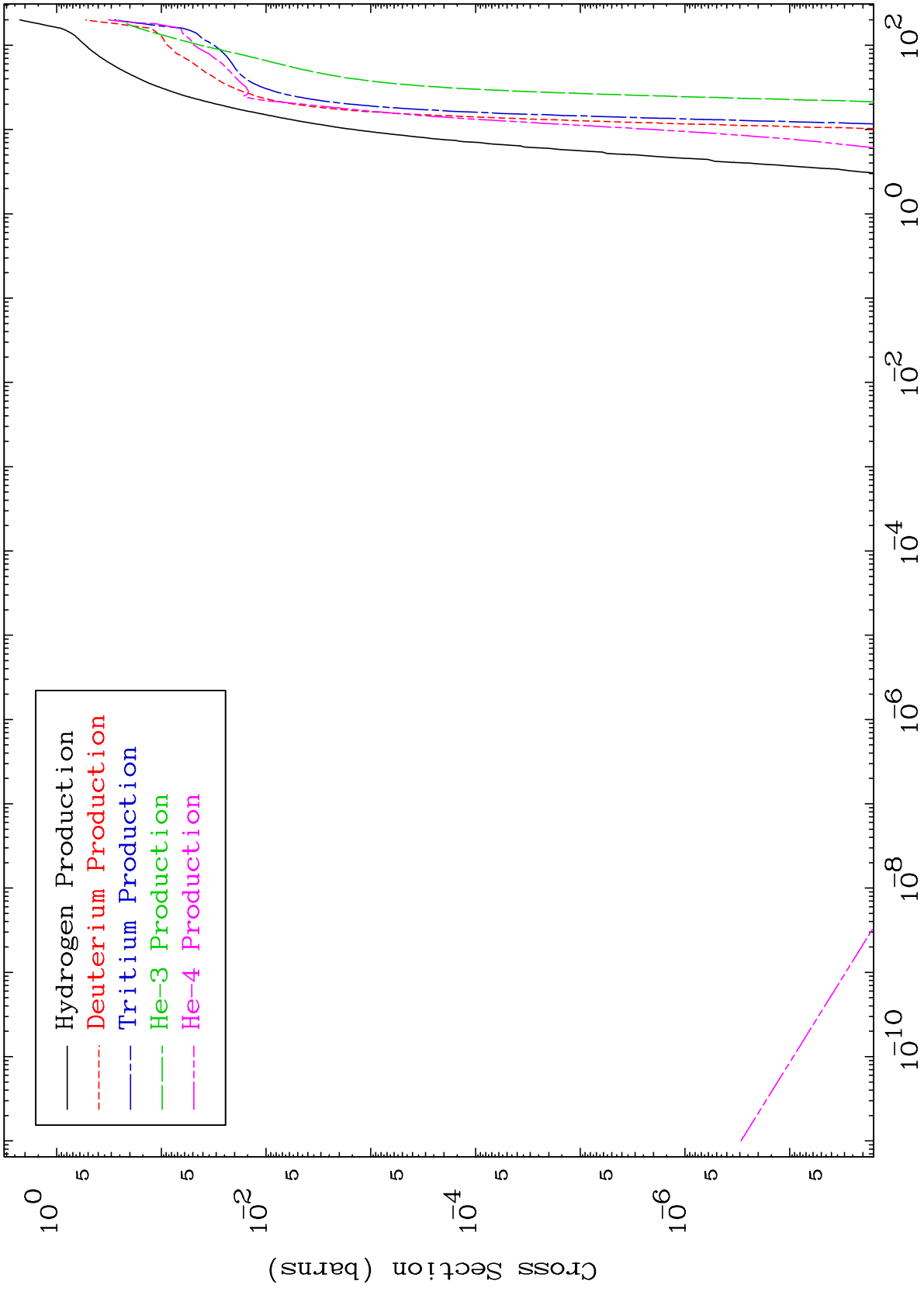
Charged Particle
293 Kelvin Cross Sections

79-Au-198



5

79-Au-198

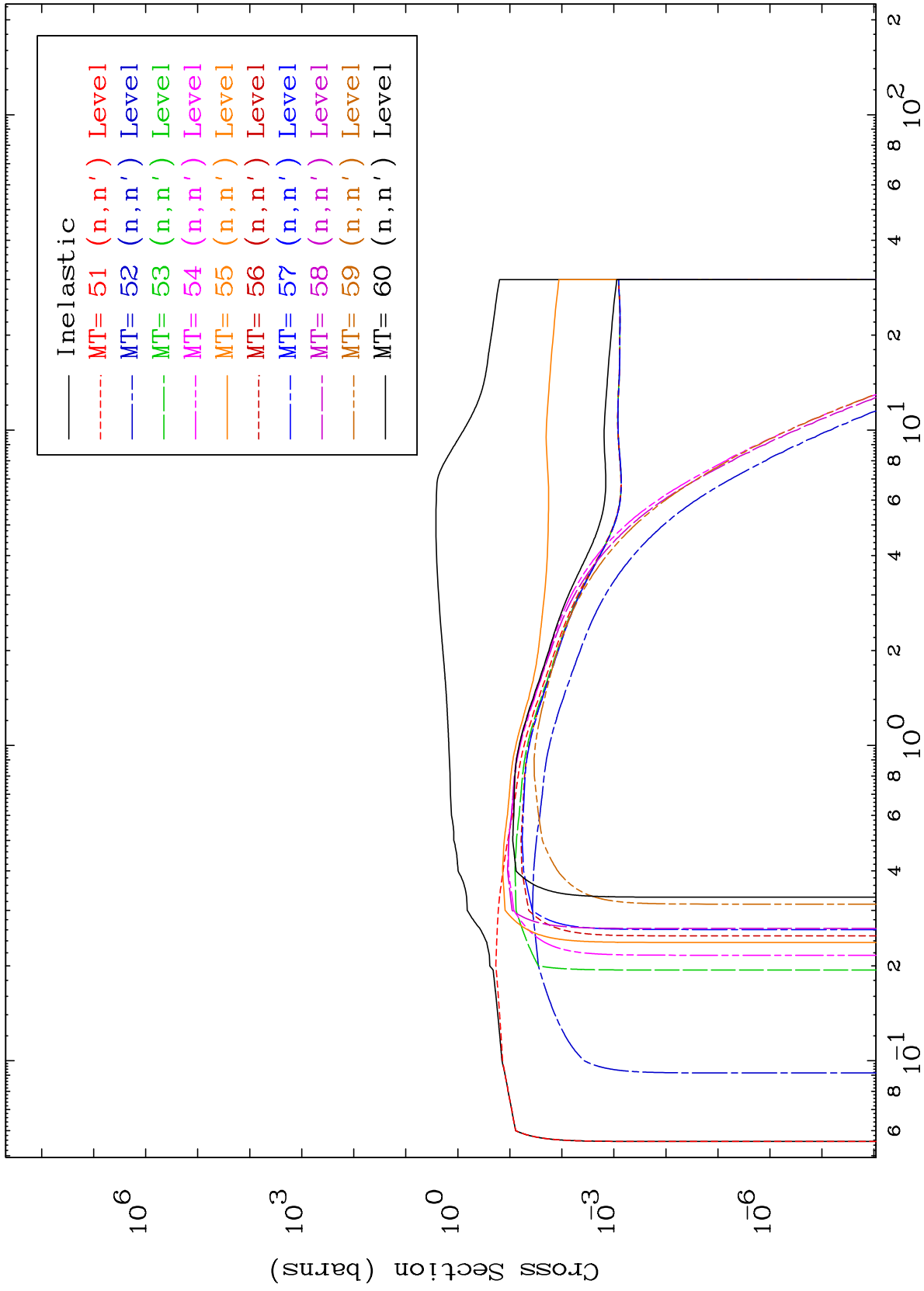


MAT 7928

(n,n') Level

79-Au-198

293 Kelvin Cross Sections



7

Incident Energy (MeV)

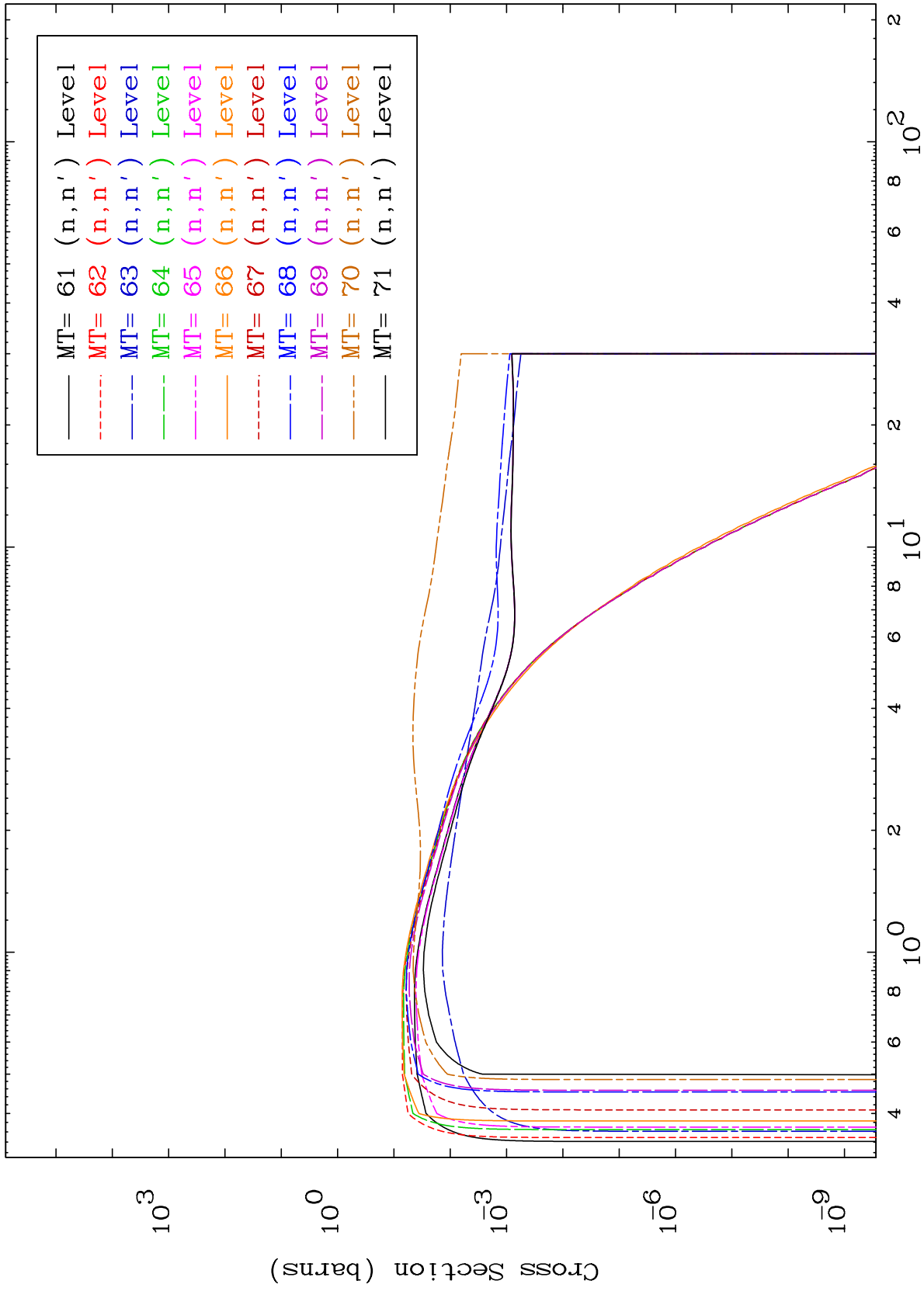
79-Au-198

MAT 7928

(n,n') Level

79-Au-198

293 Kelvin Cross Sections



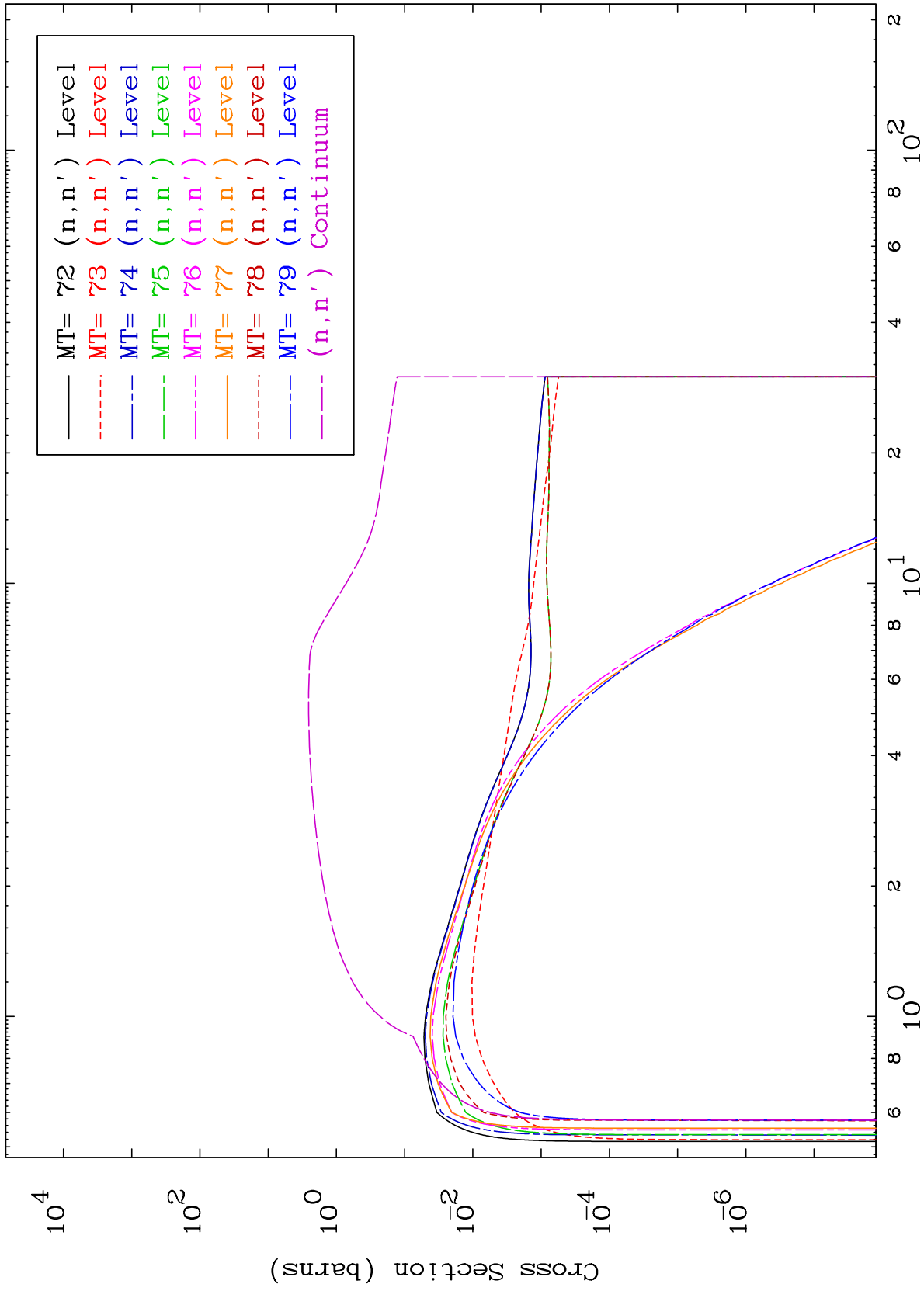
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MAT 7928

(n,n') Level

79-Au-198

293 Kelvin Cross Sections



9

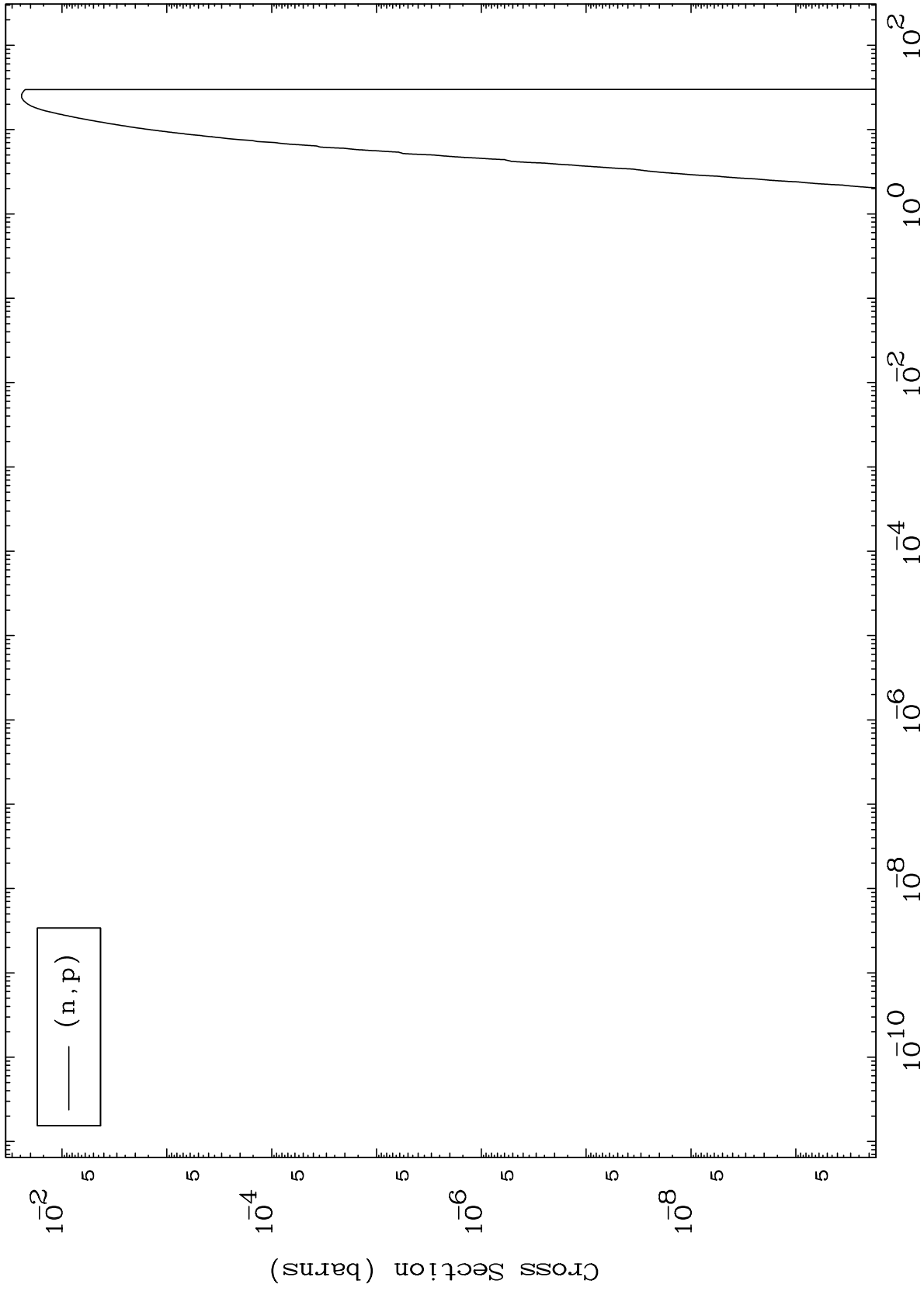
Incident Energy (MeV)

79-Au-198

MAT 7928

(n,p) Levels
293 Kelvin Cross Sections

79-Au-198



10

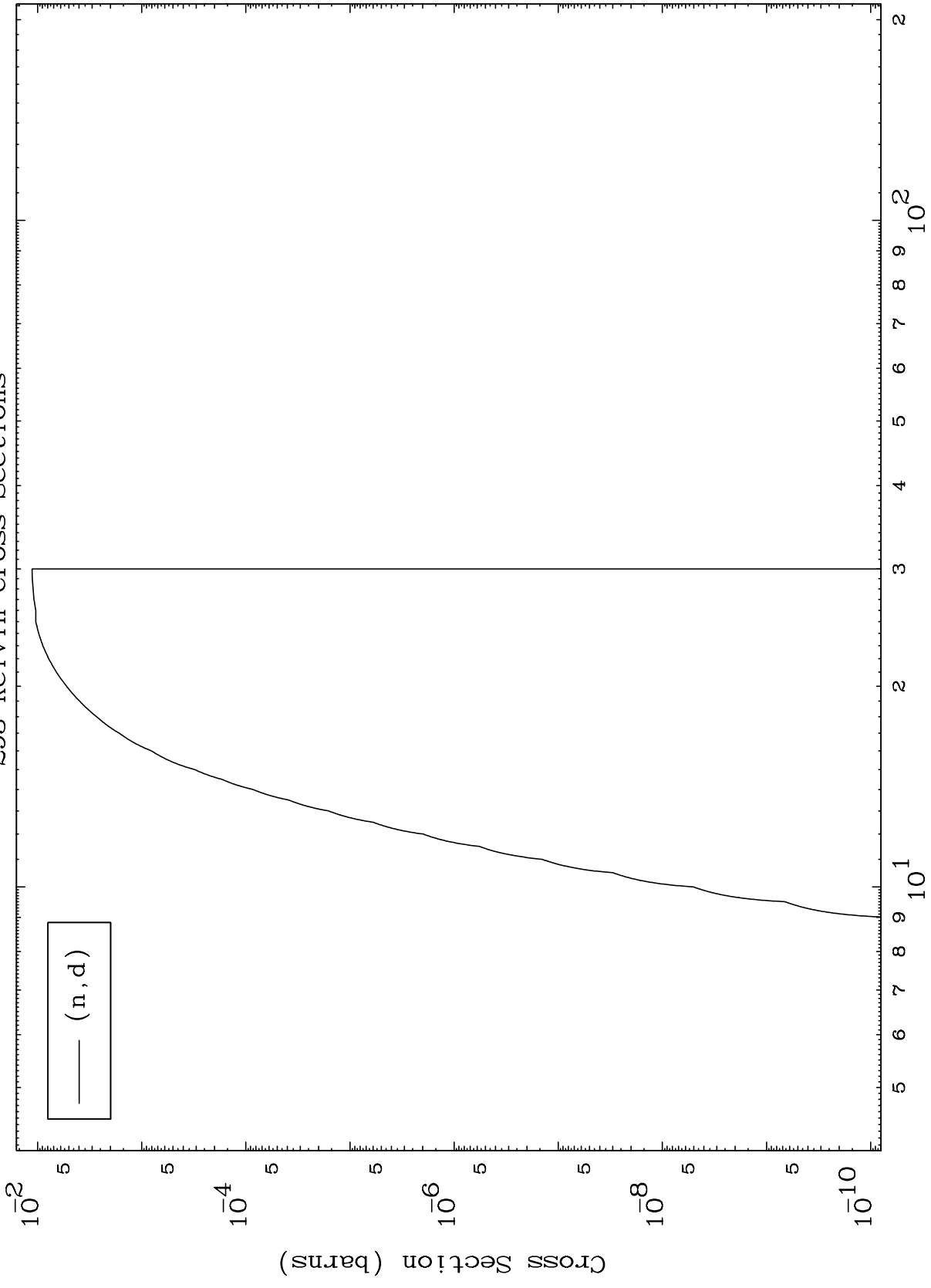
Incident Energy (MeV)

79-Au-198

MAT 7928

(n,d) Levels
293 Kelvin Cross Sections

79-Au-198



11

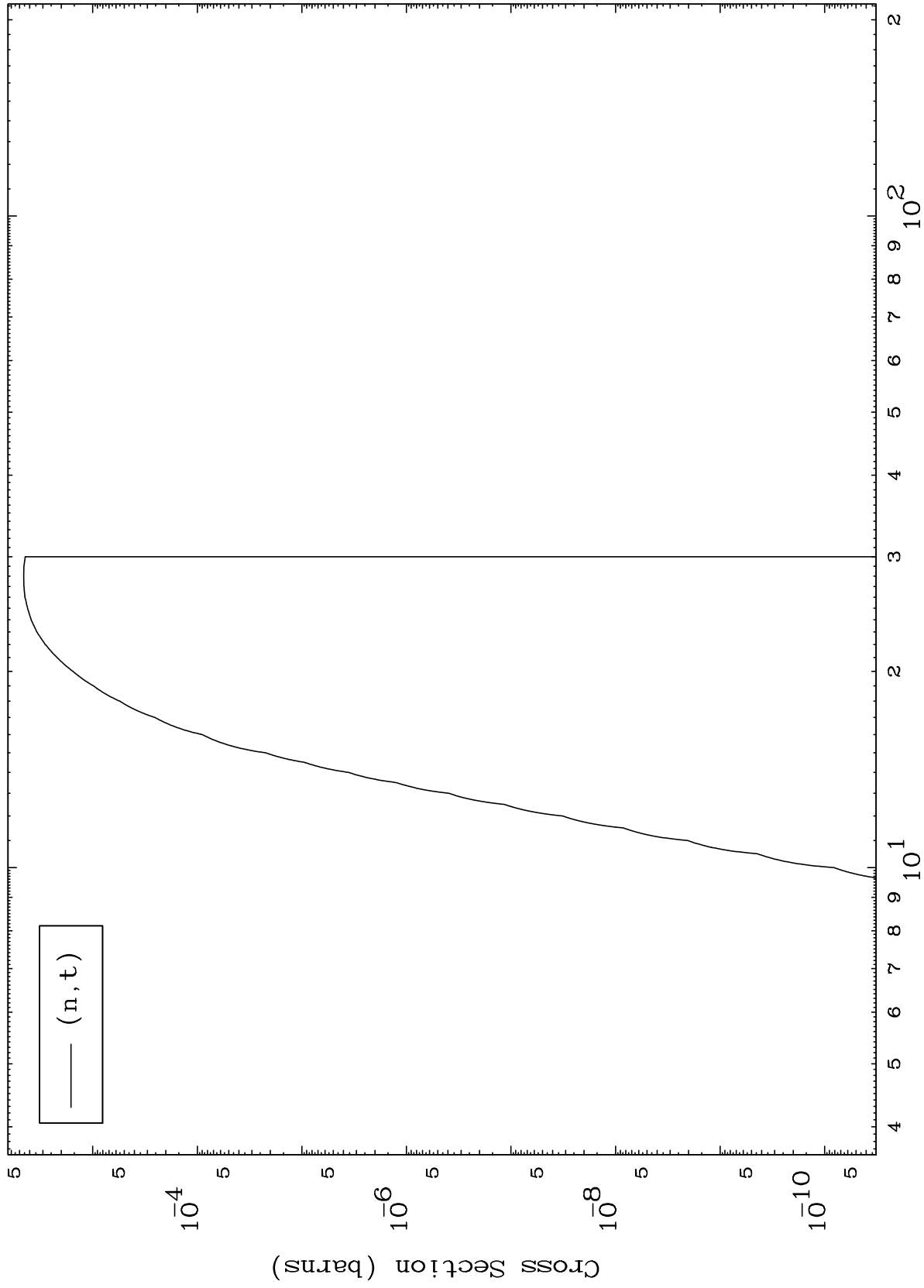
Incident Energy (MeV)

79-Au-198

MAT 7928

(n,t) Levels
293 Kelvin Cross Sections

79-Au-198



12

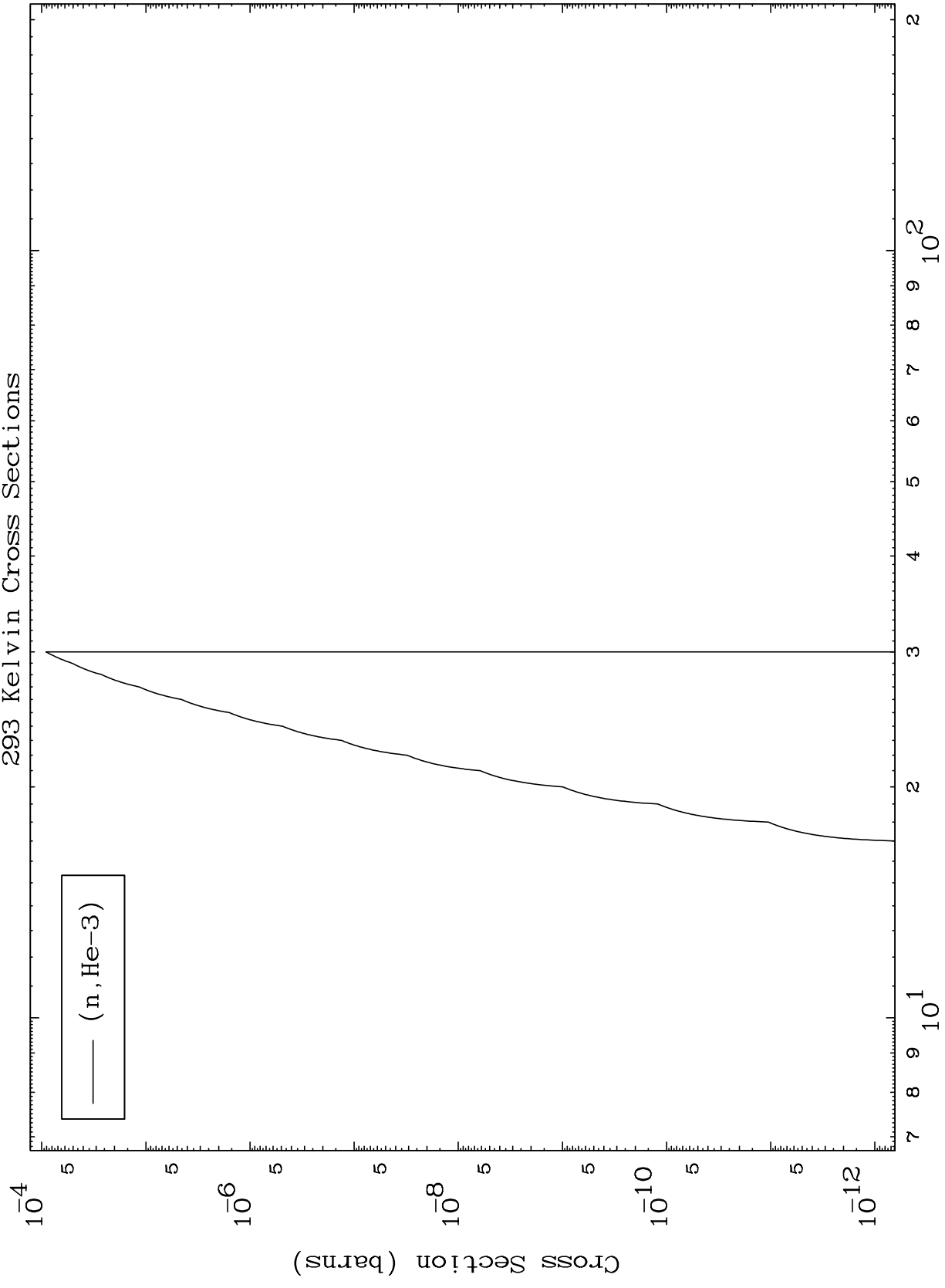
Incident Energy (MeV)

79-Au-198

MAT 7928

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-198



13

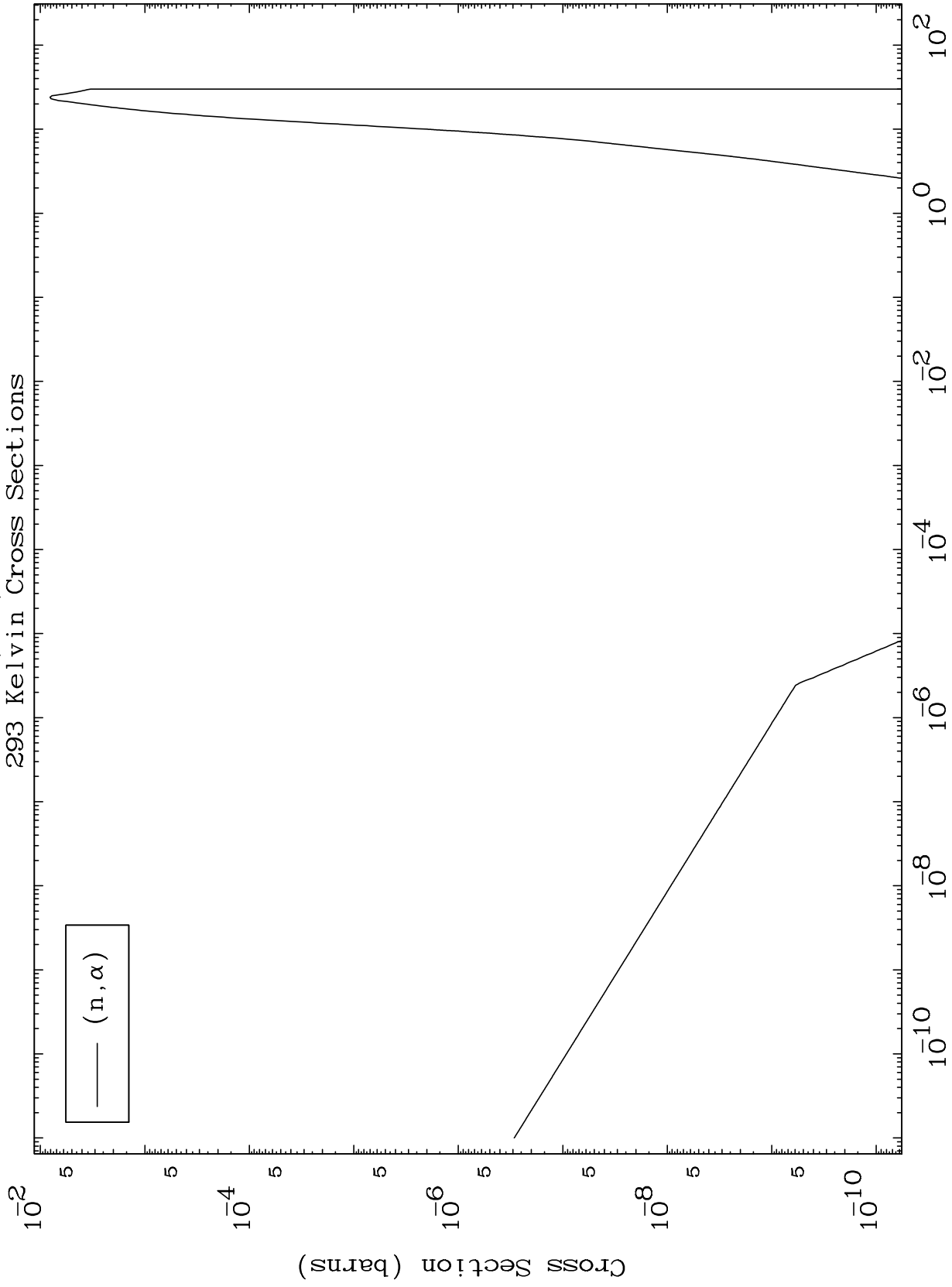
Incident Energy (MeV)

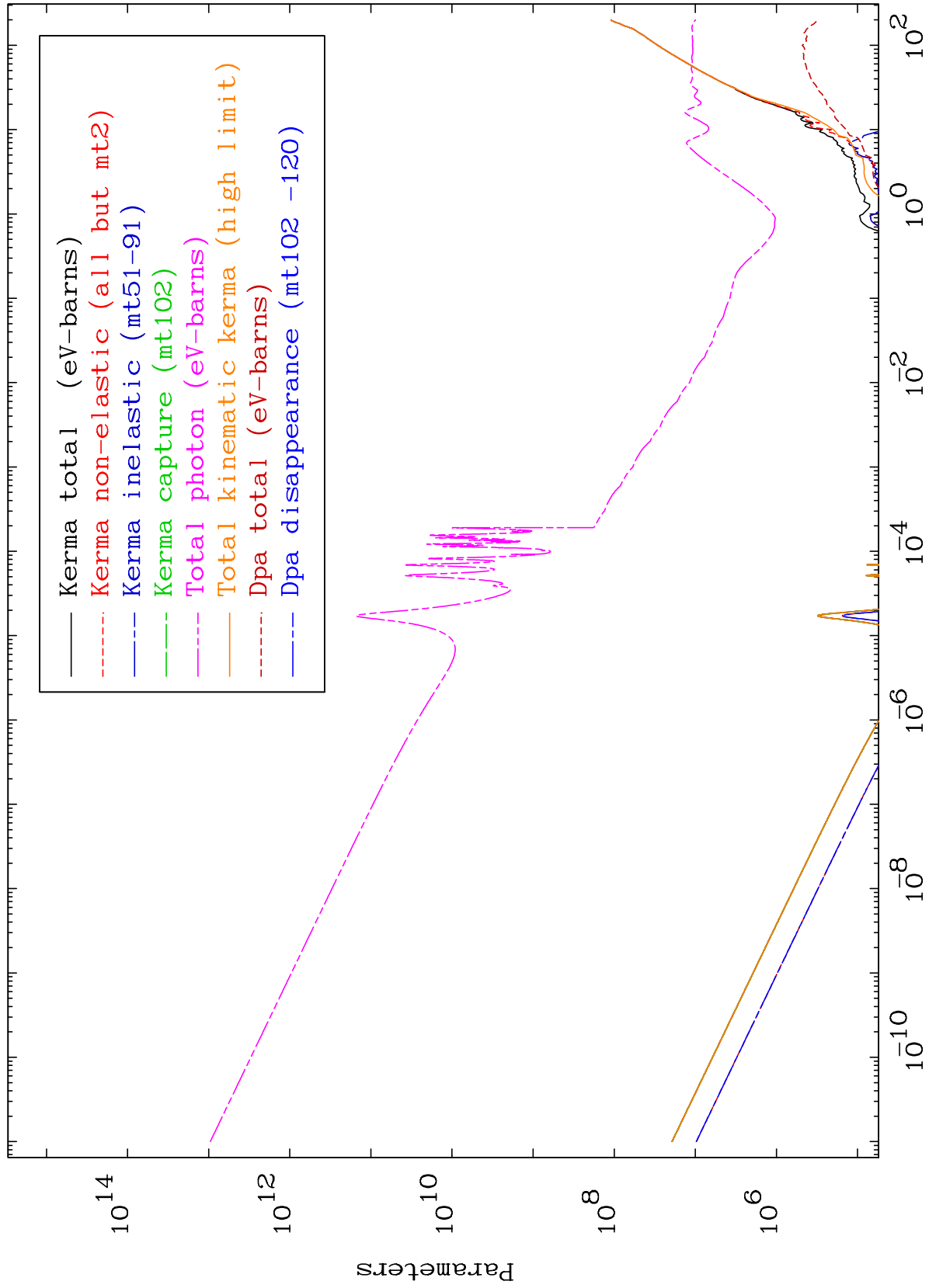
79-Au-198

MAT 7928

(n,α) Levels
293 Kelvin Cross Sections

79-Au-198

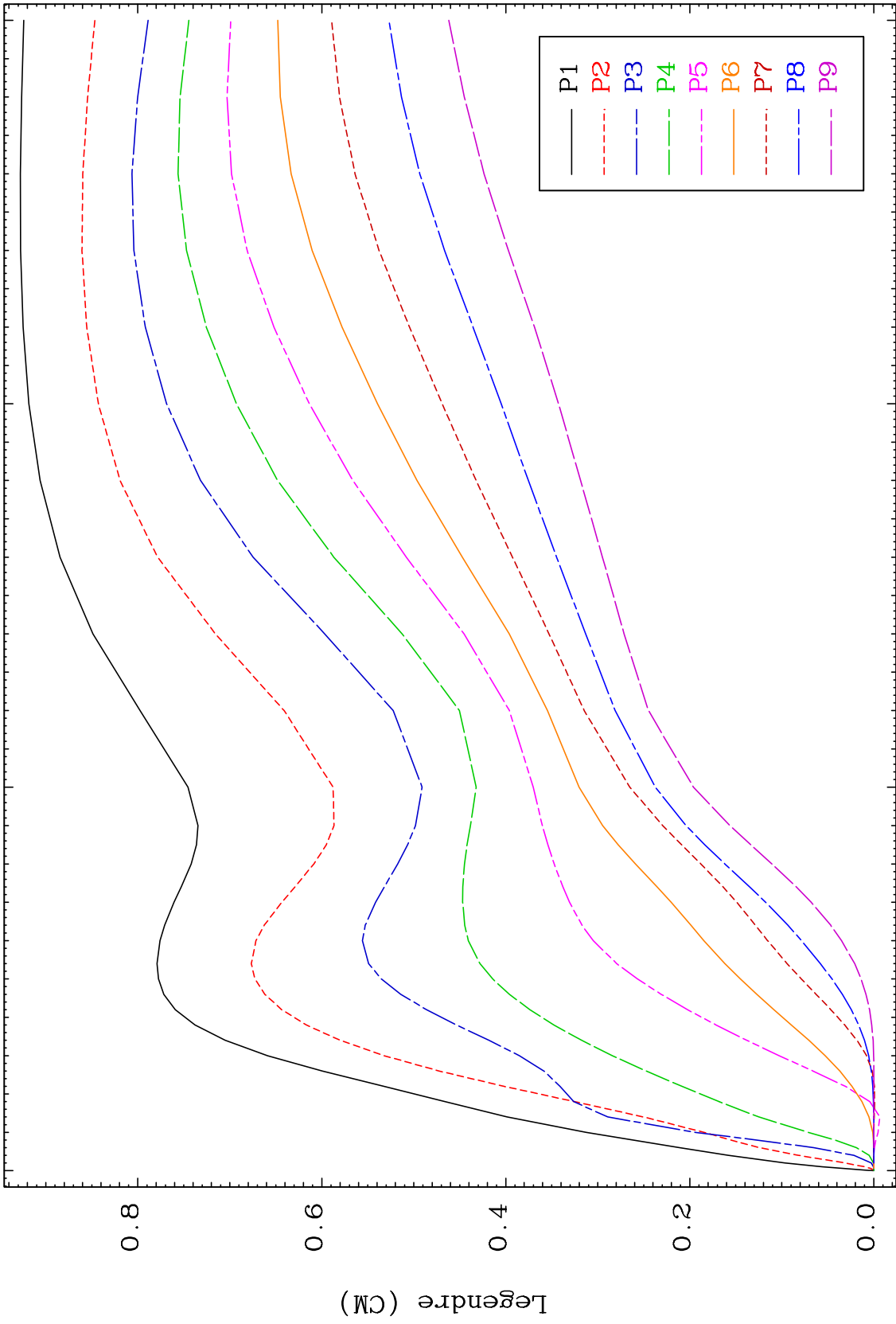




MAT 7928

Elastic Legendre Coefficients

⁷⁹Au-¹⁹⁸



0

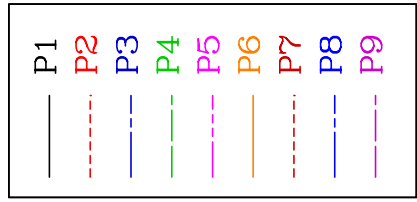
16

Incident Energy (MeV)

10

30

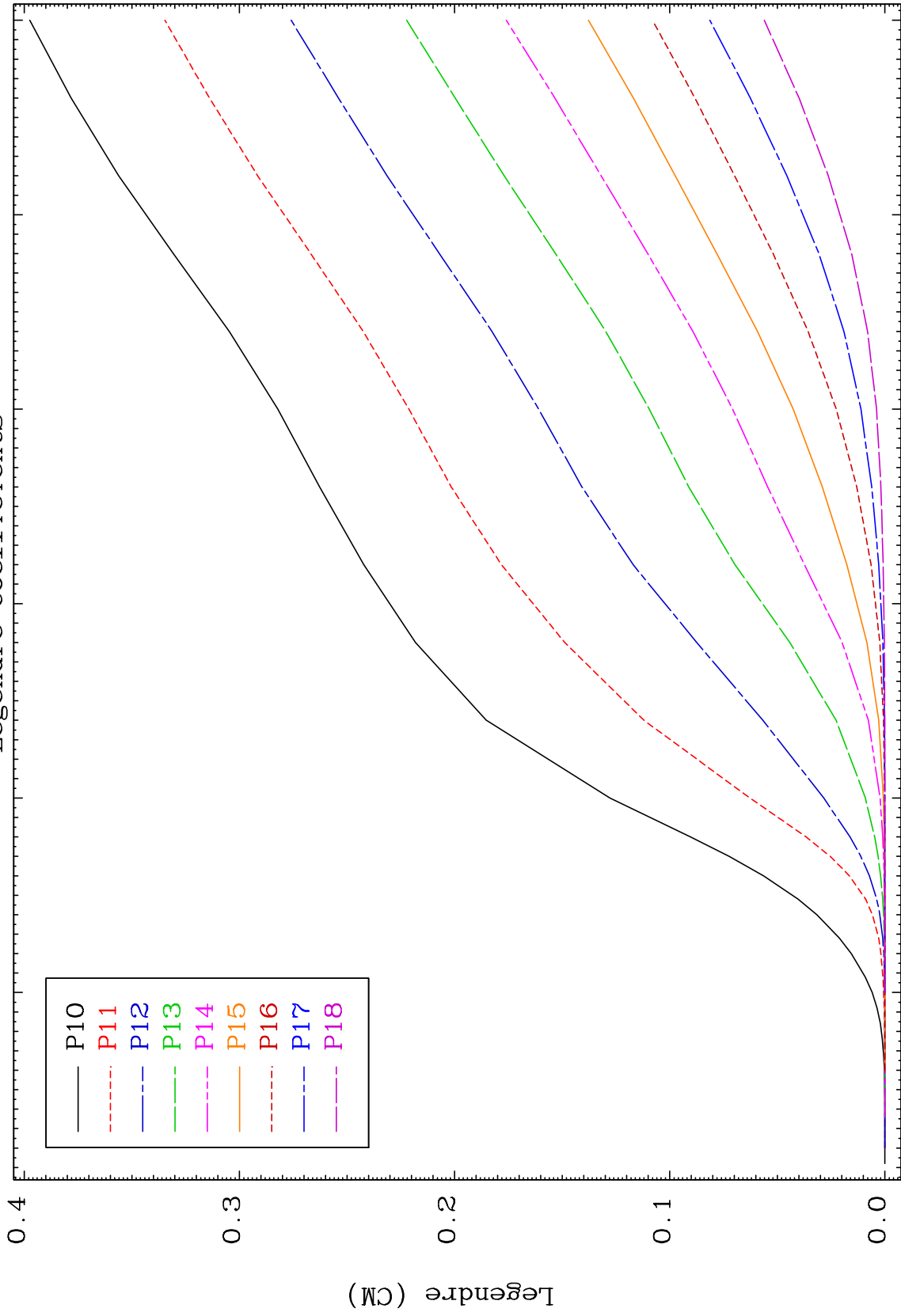
⁷⁹Au-¹⁹⁸



MAT 7928

Elastic Legendre Coefficients

⁷⁹Au-¹⁹⁸



17

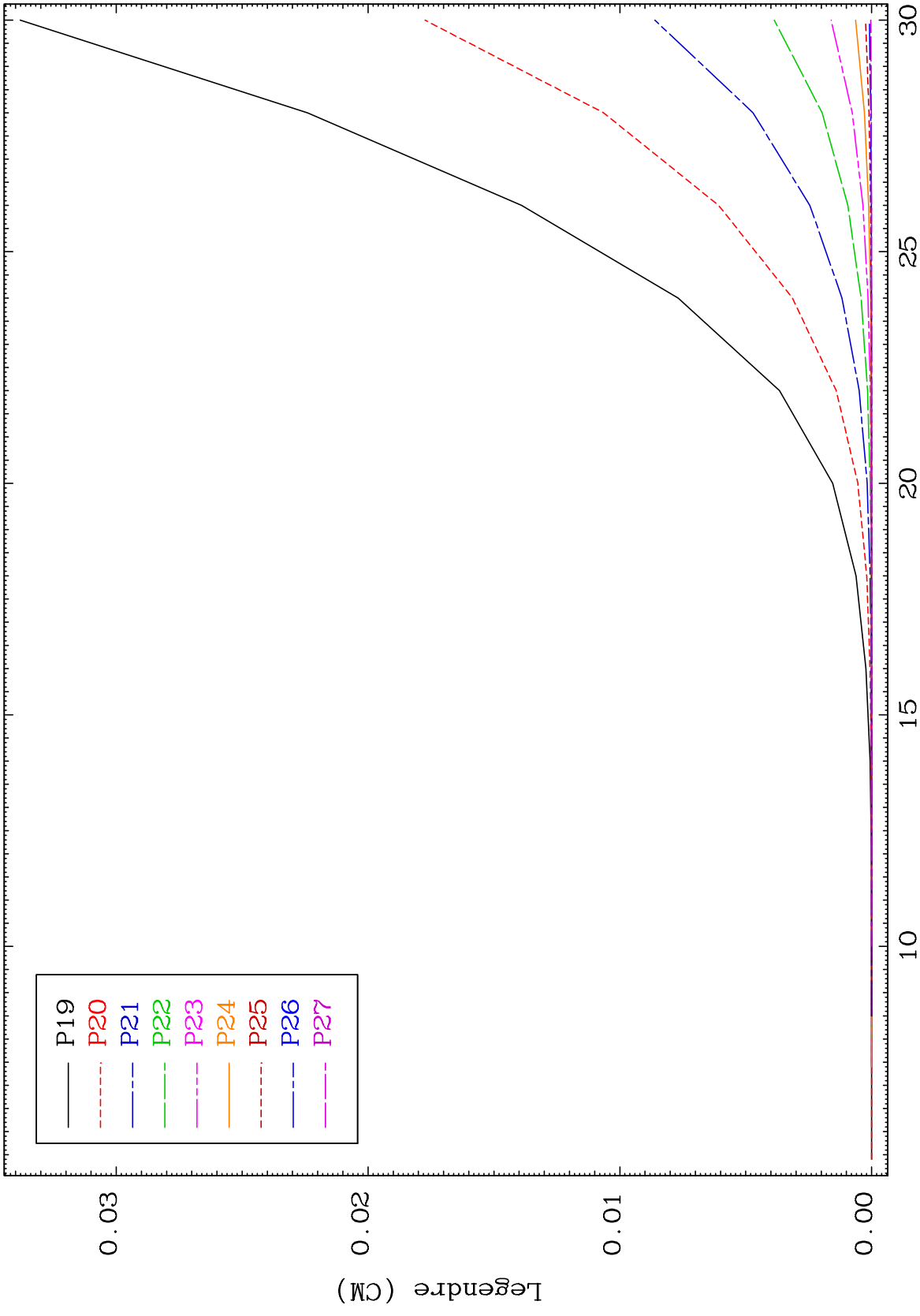
Incident Energy (MeV)

⁷⁹Au-¹⁹⁸

MAT 7928

Elastic Legendre Coefficients

79-Au-198



18

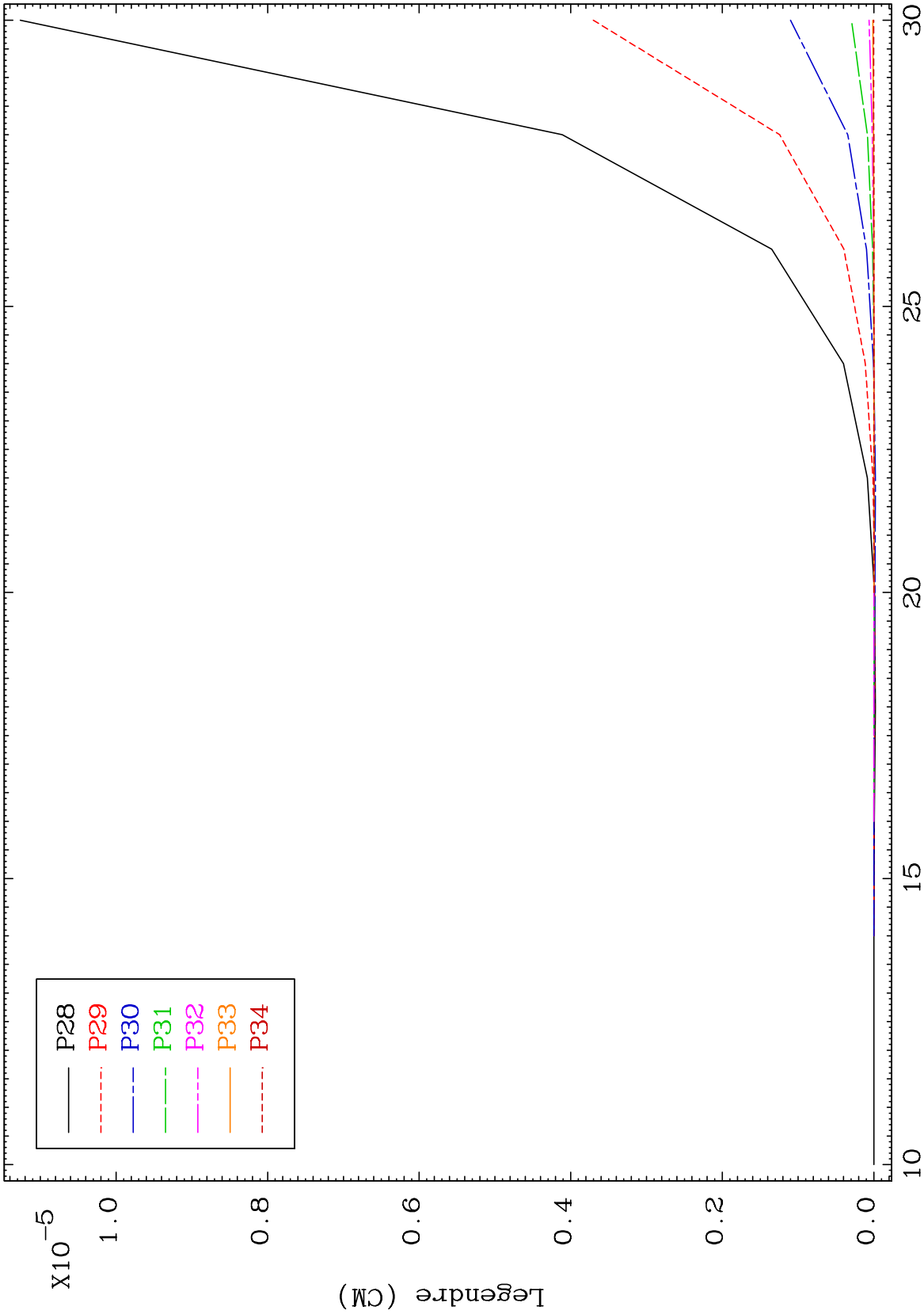
Incident Energy (MeV)

79-Au-198

MAT 7928

Elastic Legendre Coefficients

79-Au-198



19

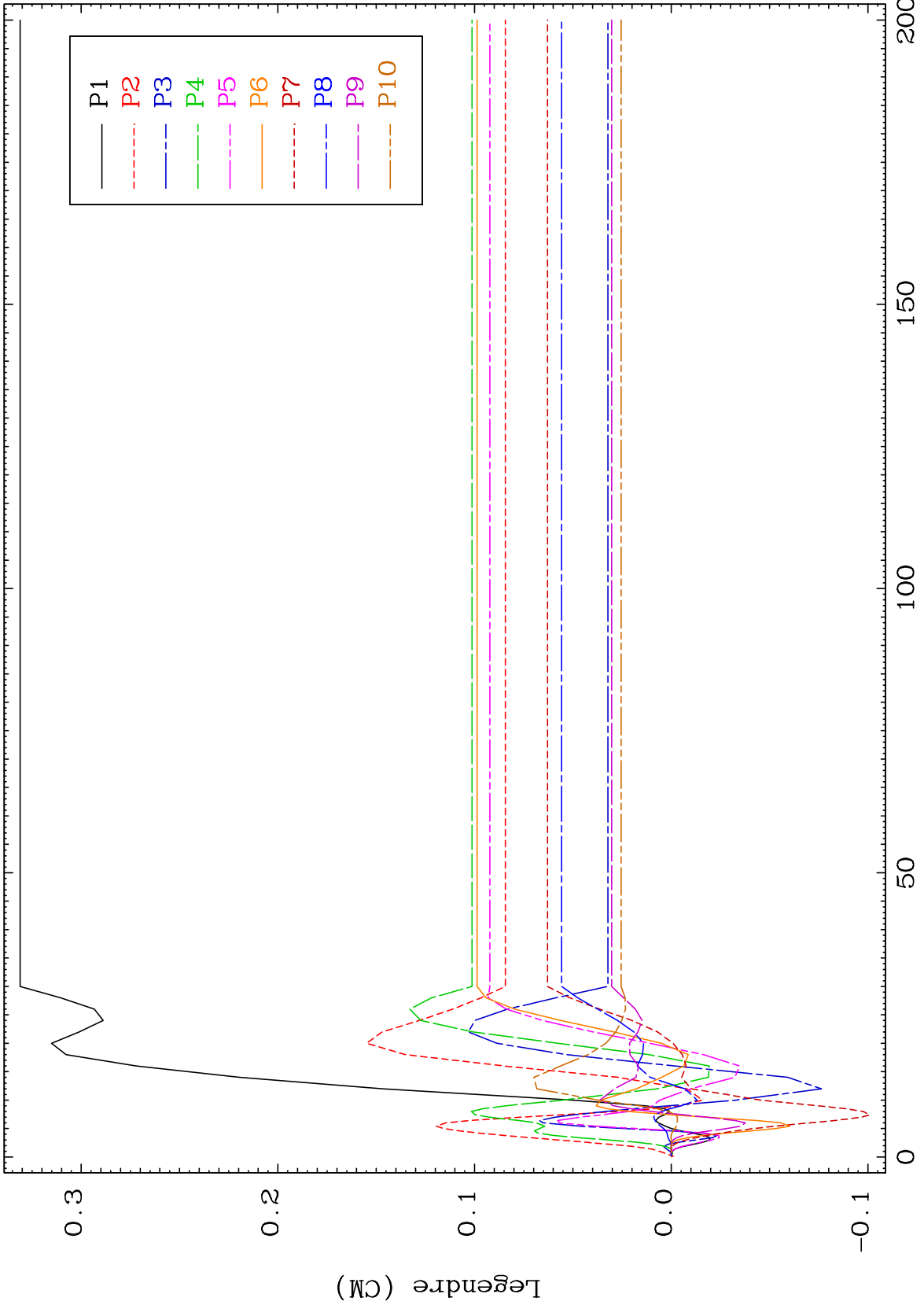
Incident Energy (MeV)

79-Au-198

MAT 7928

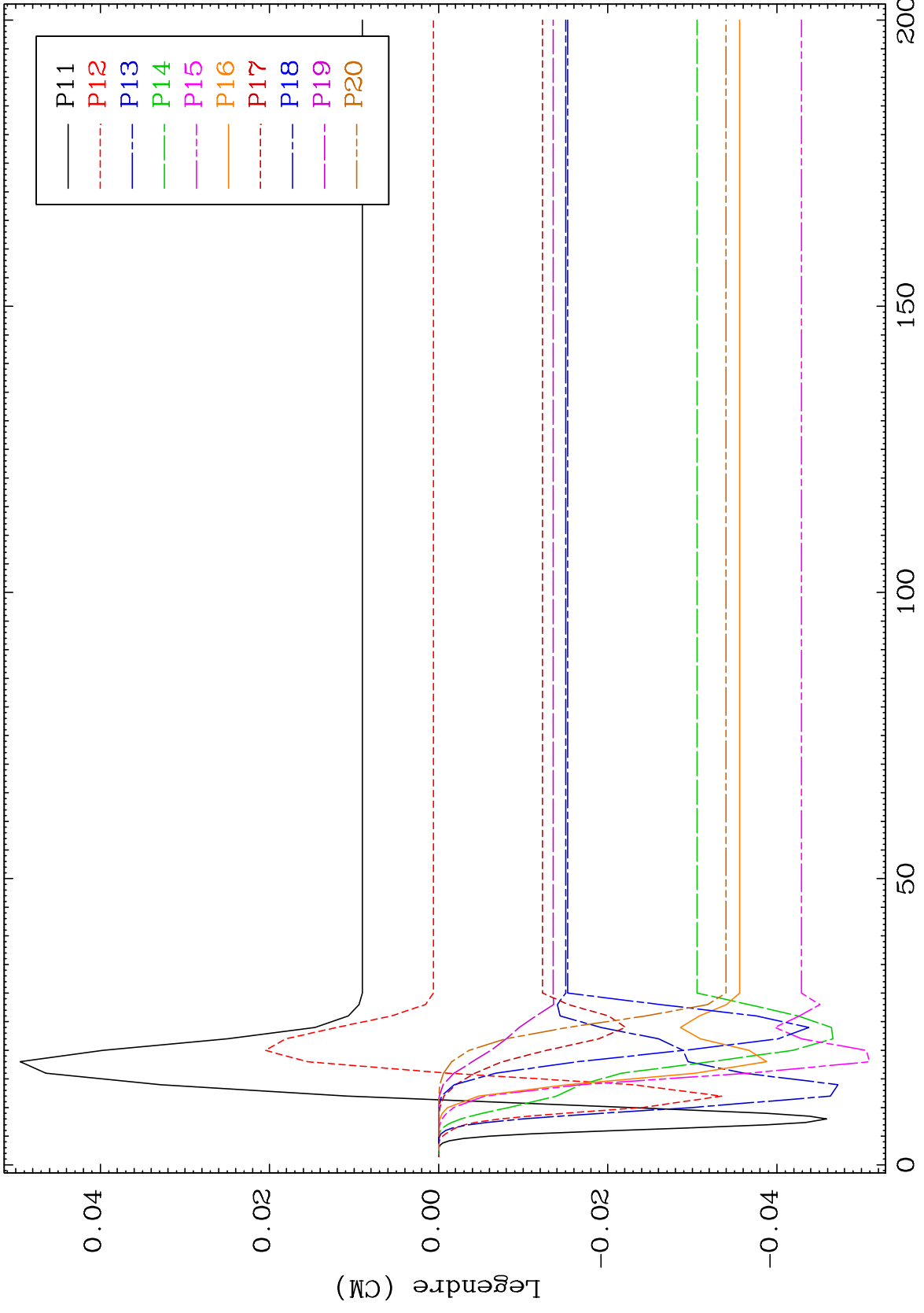
MT= 51 (n,n') Level
Legendre Coefficients

79-Au-198



79-Au-198

MAT 7928 MT= 51 (n,n') Level Legendre Coefficients 79-Au-198

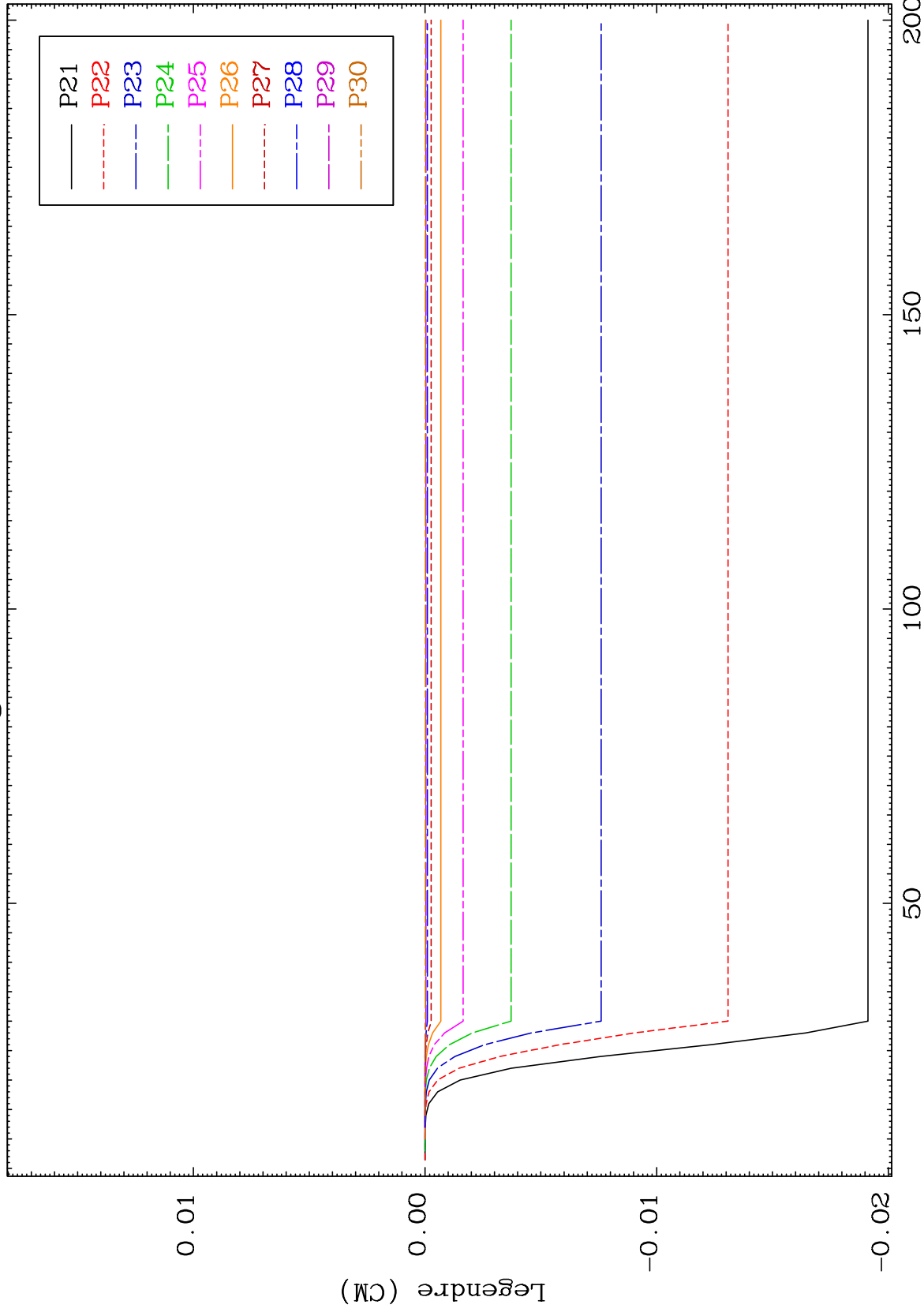


21 79-Au-198

MAT 7928

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

79-Au-198



22

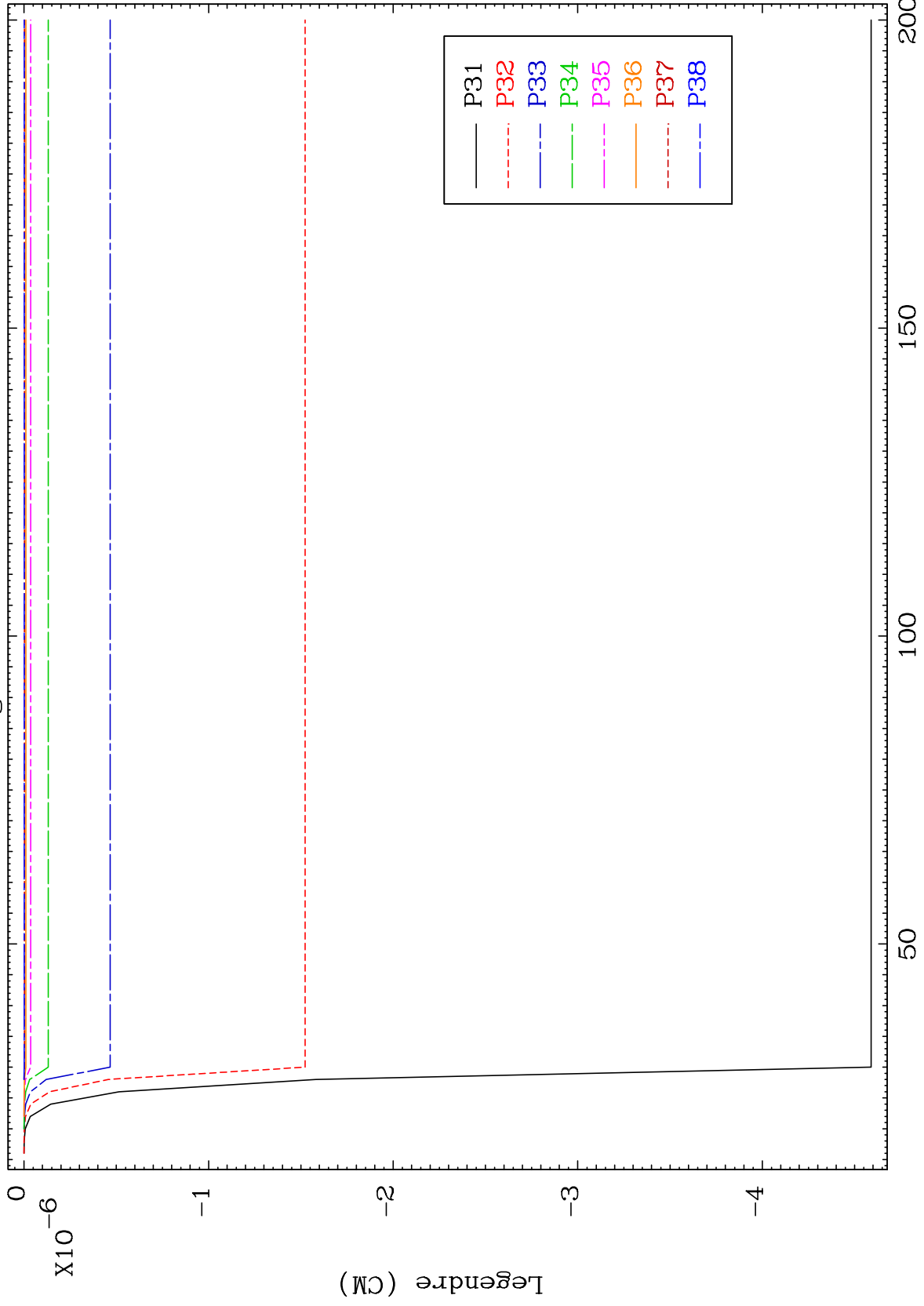
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



79-Au-198

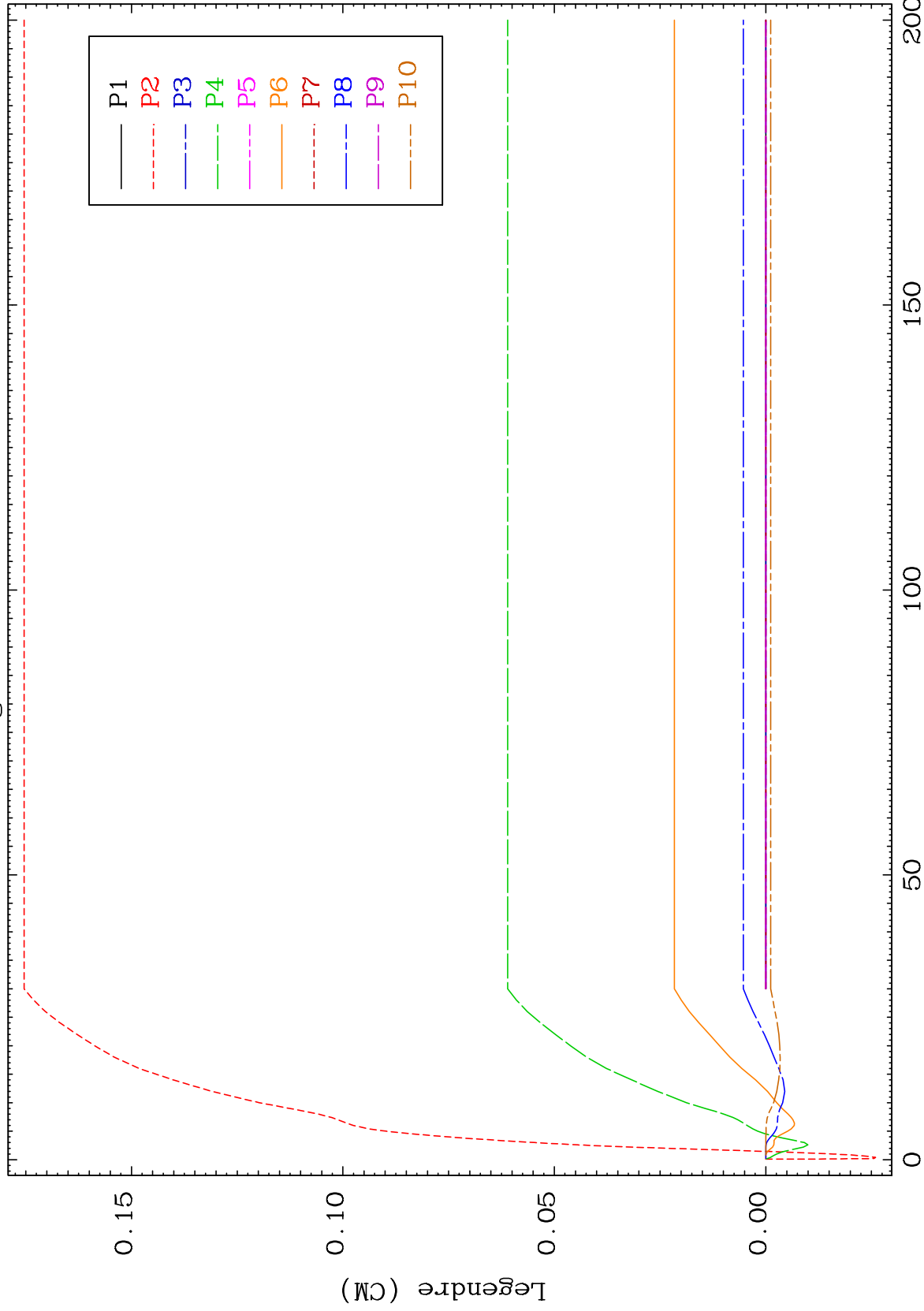
Incident Energy (MeV)

23

MAT 7928

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

79-Au-198



24

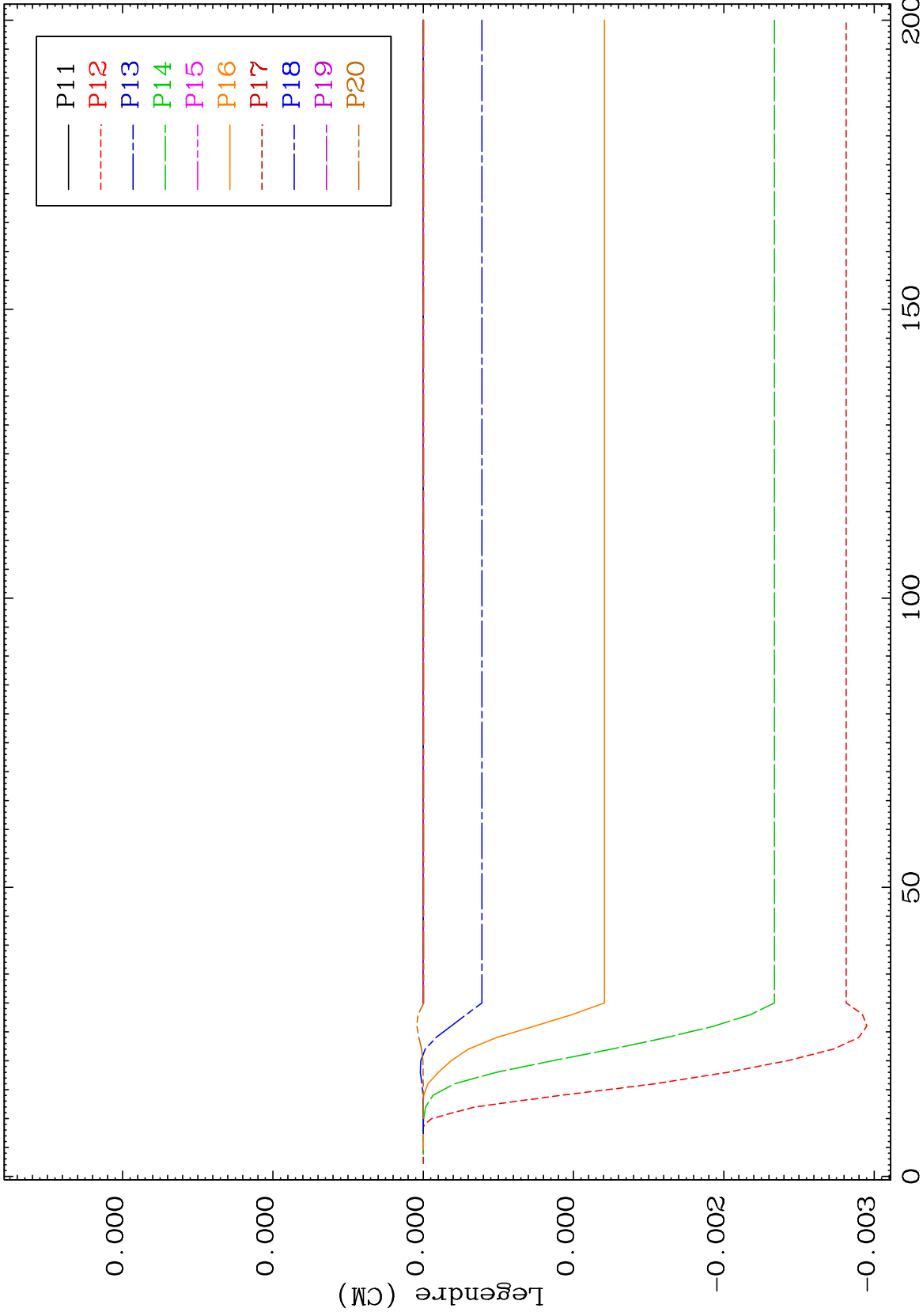
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



25

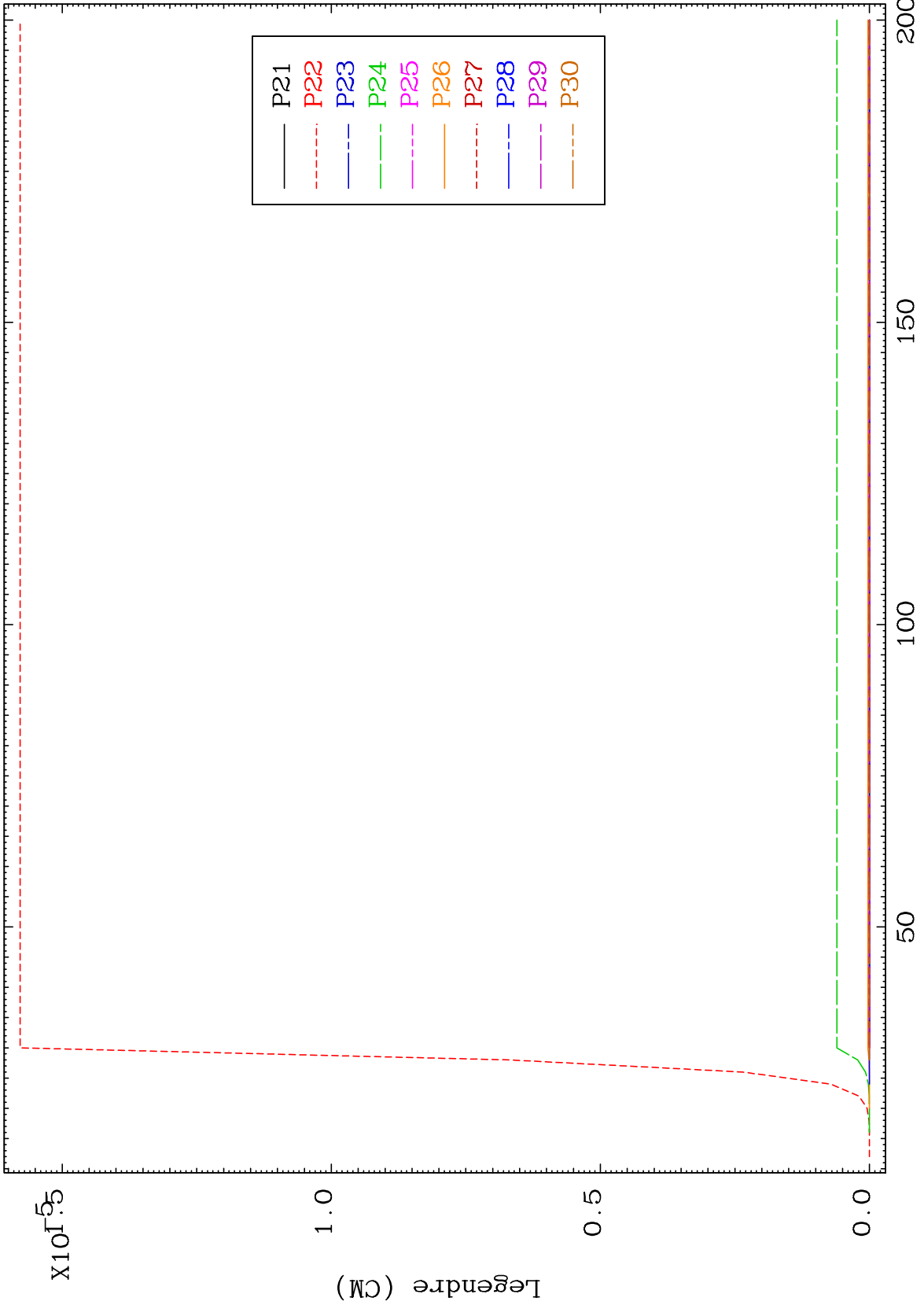
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



26

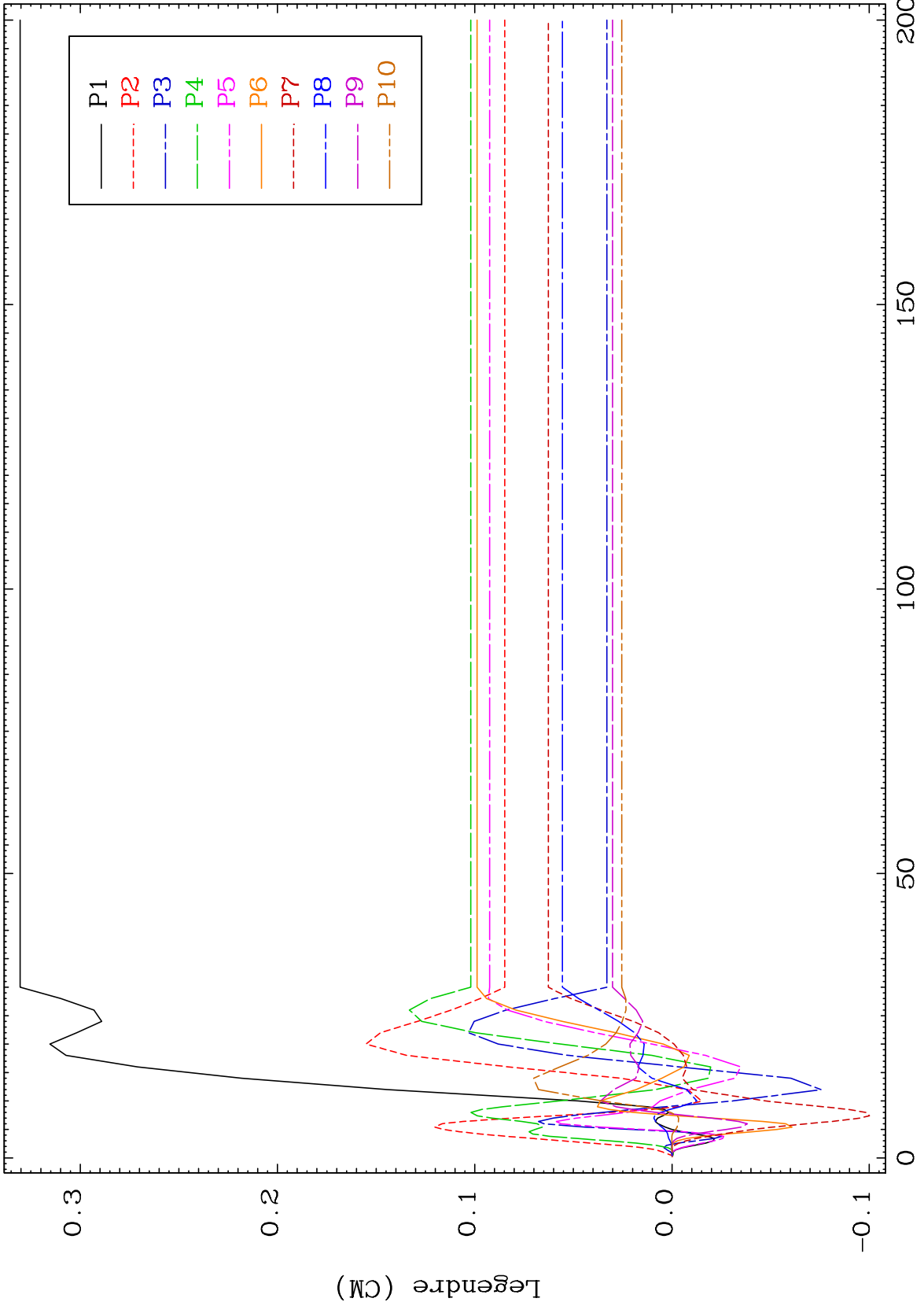
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



27

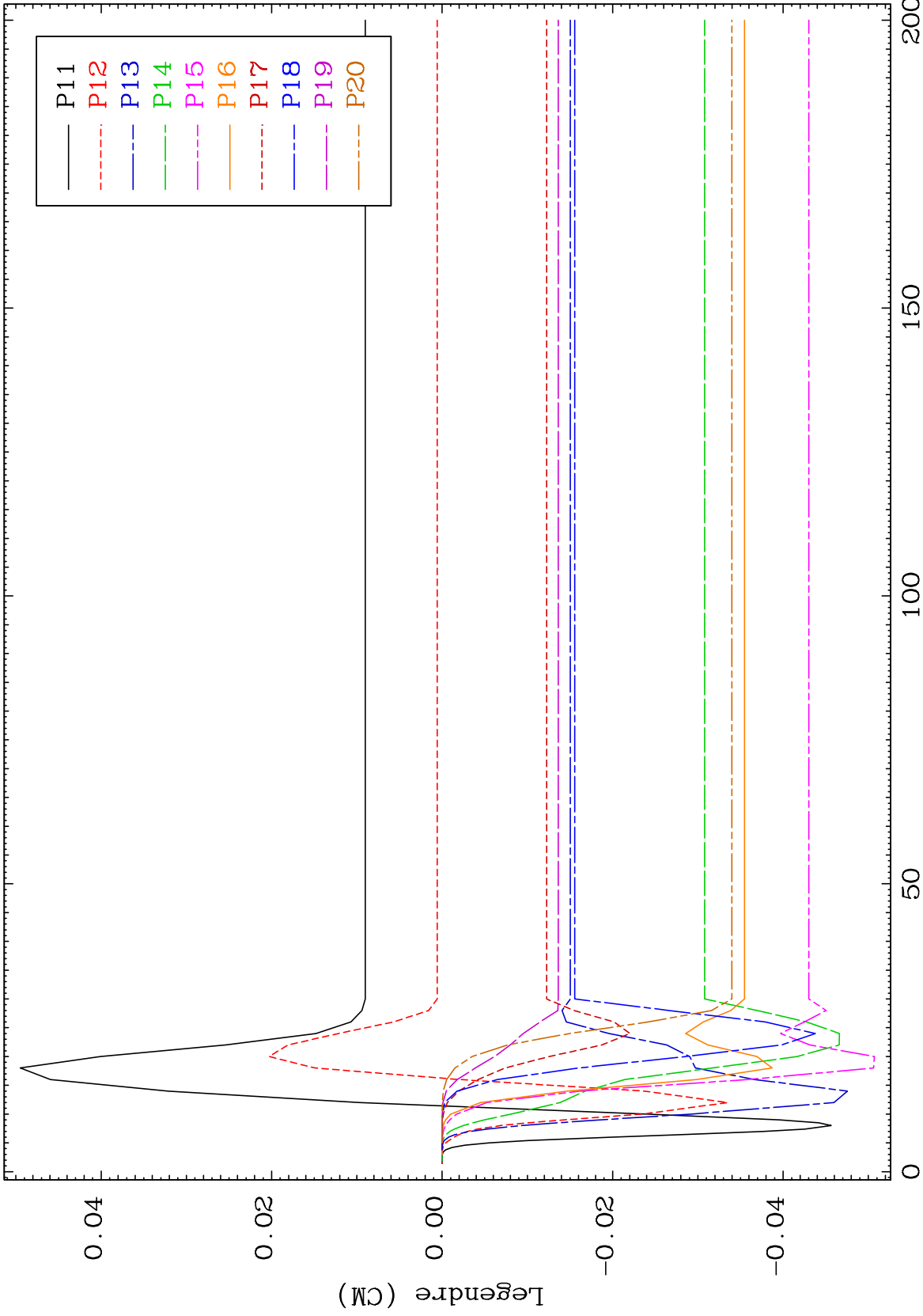
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



28

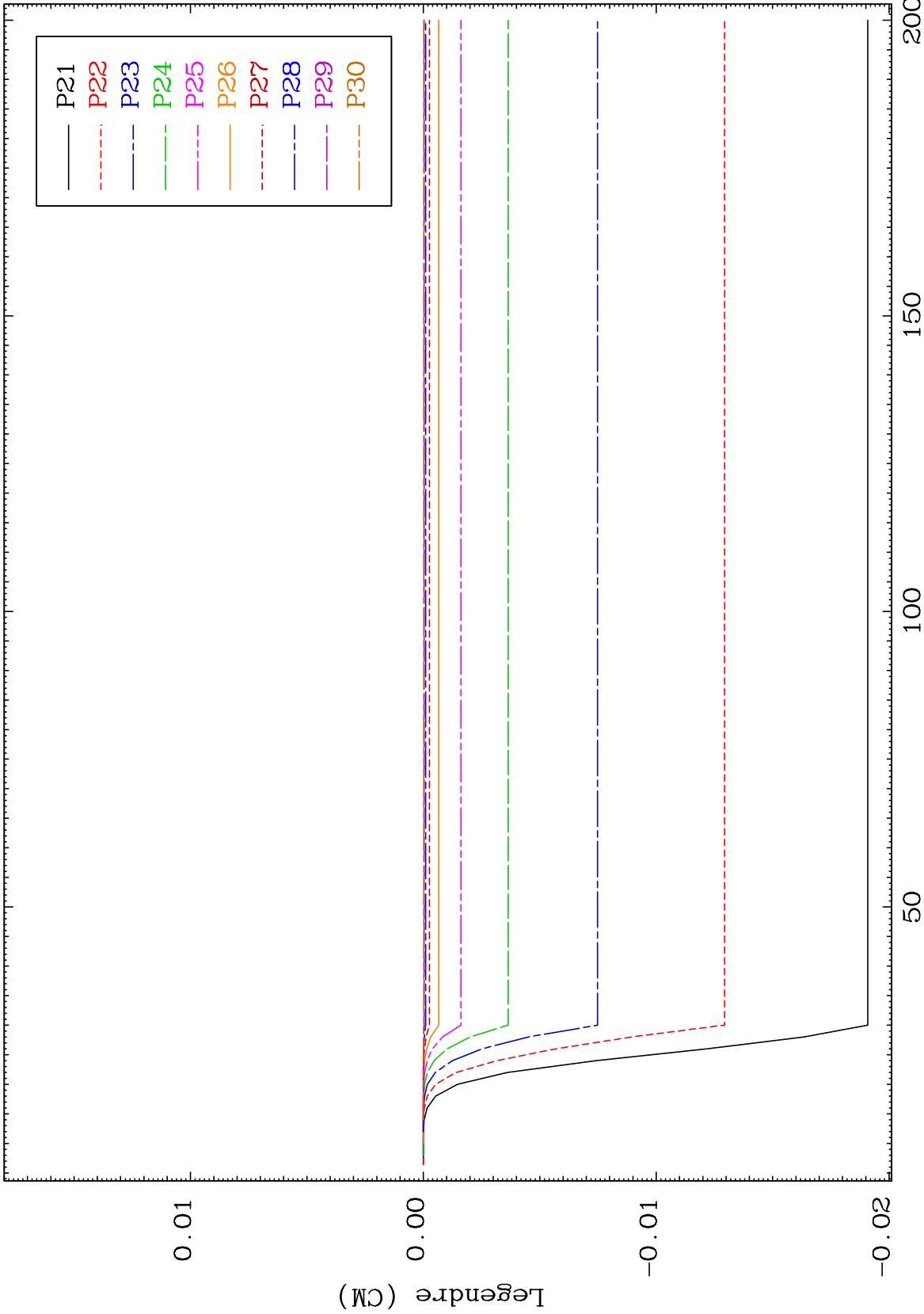
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



29

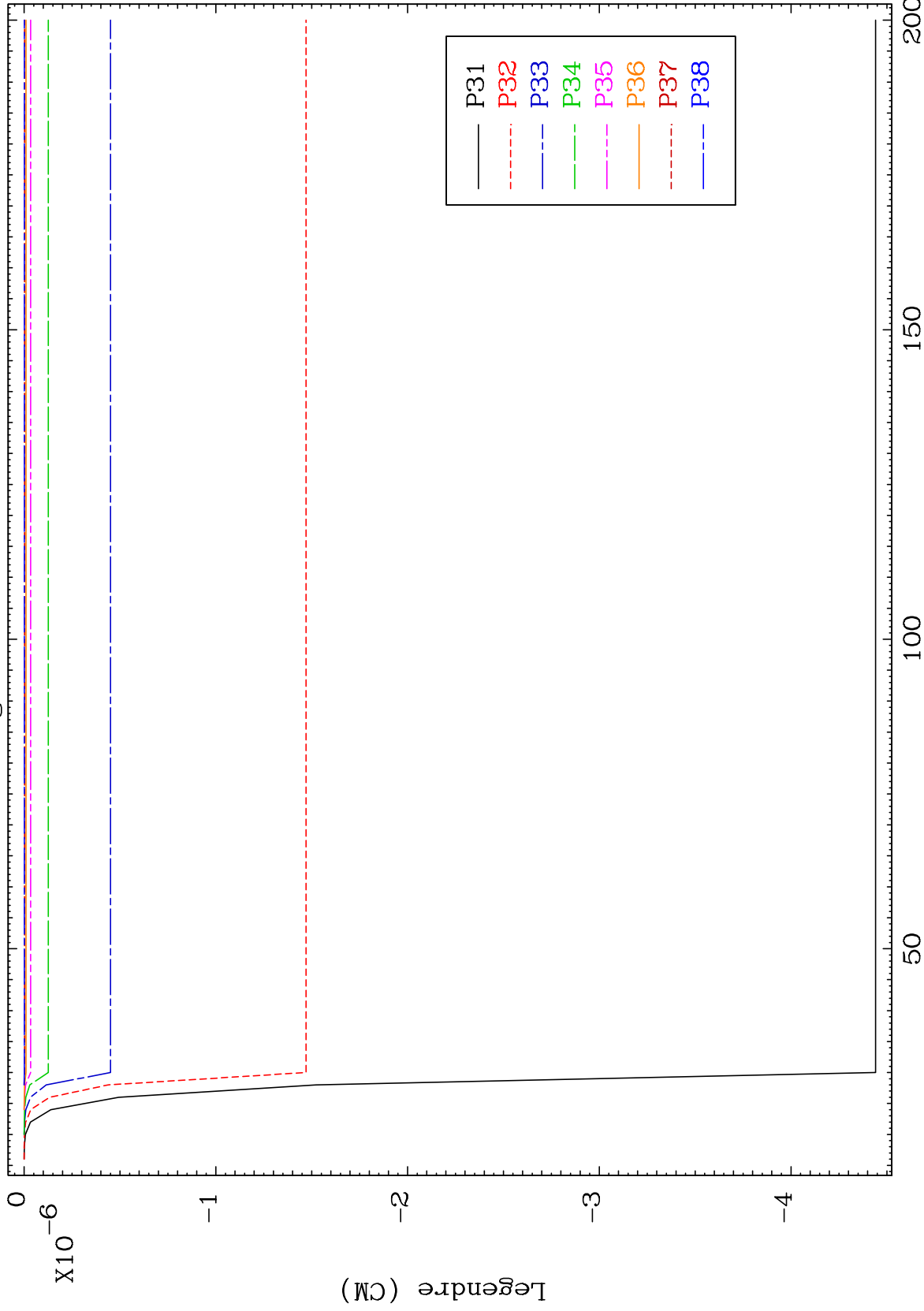
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



79-Au-198

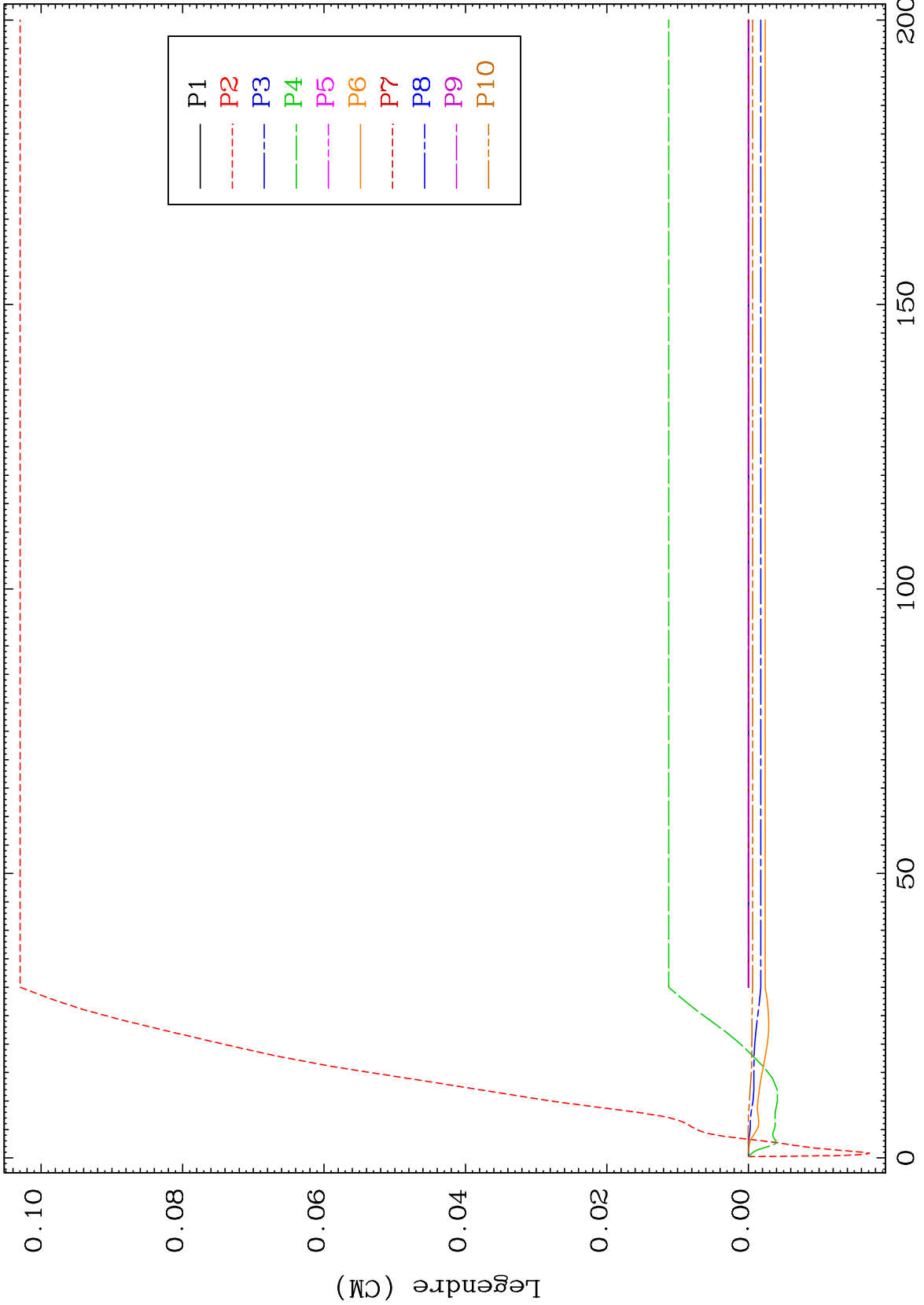
Incident Energy (MeV)

30

MAT 7928

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

79-Au-198



31

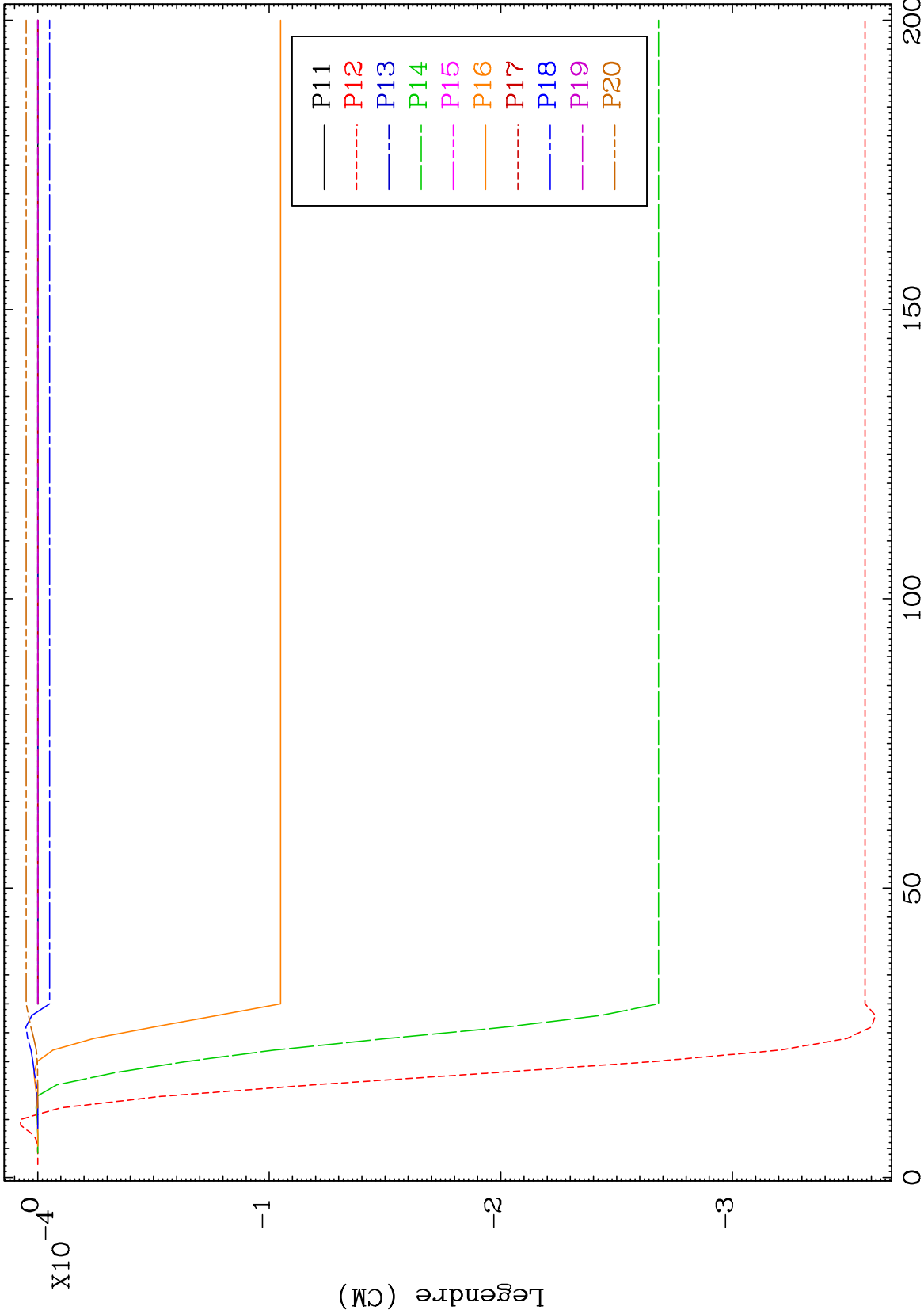
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



32

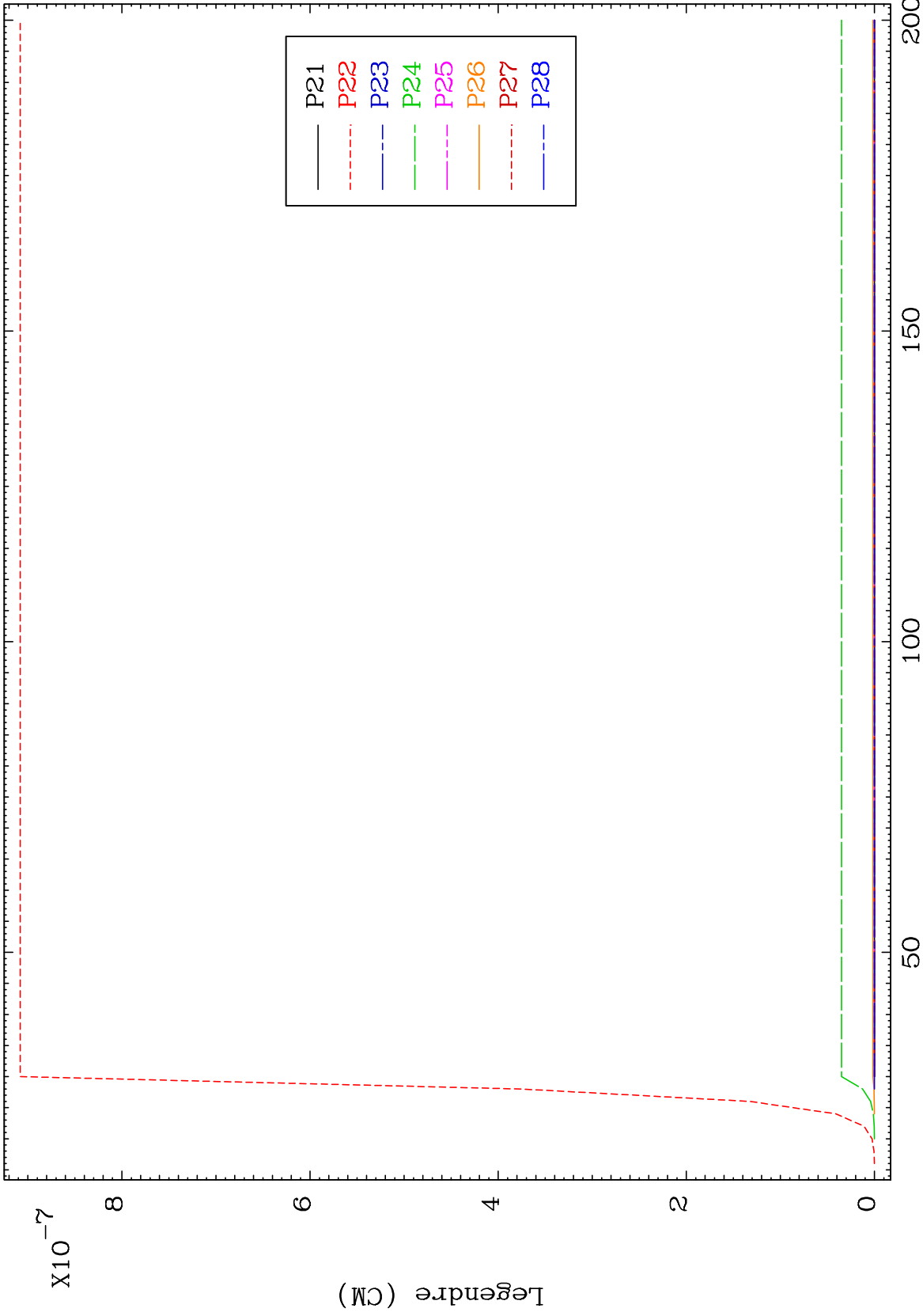
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



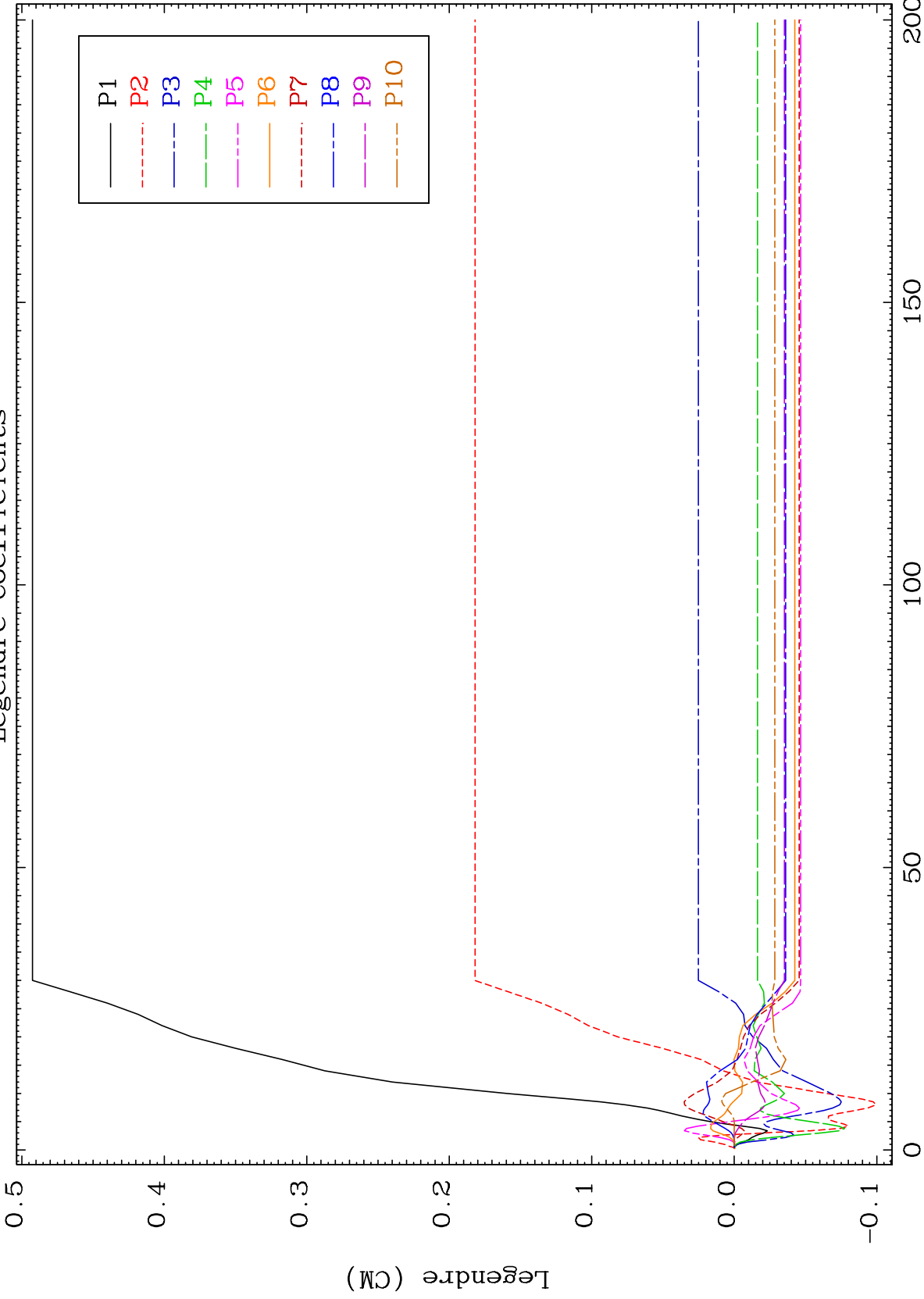
33

79-Au-198

MAT 7928

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

79-Au-198



34

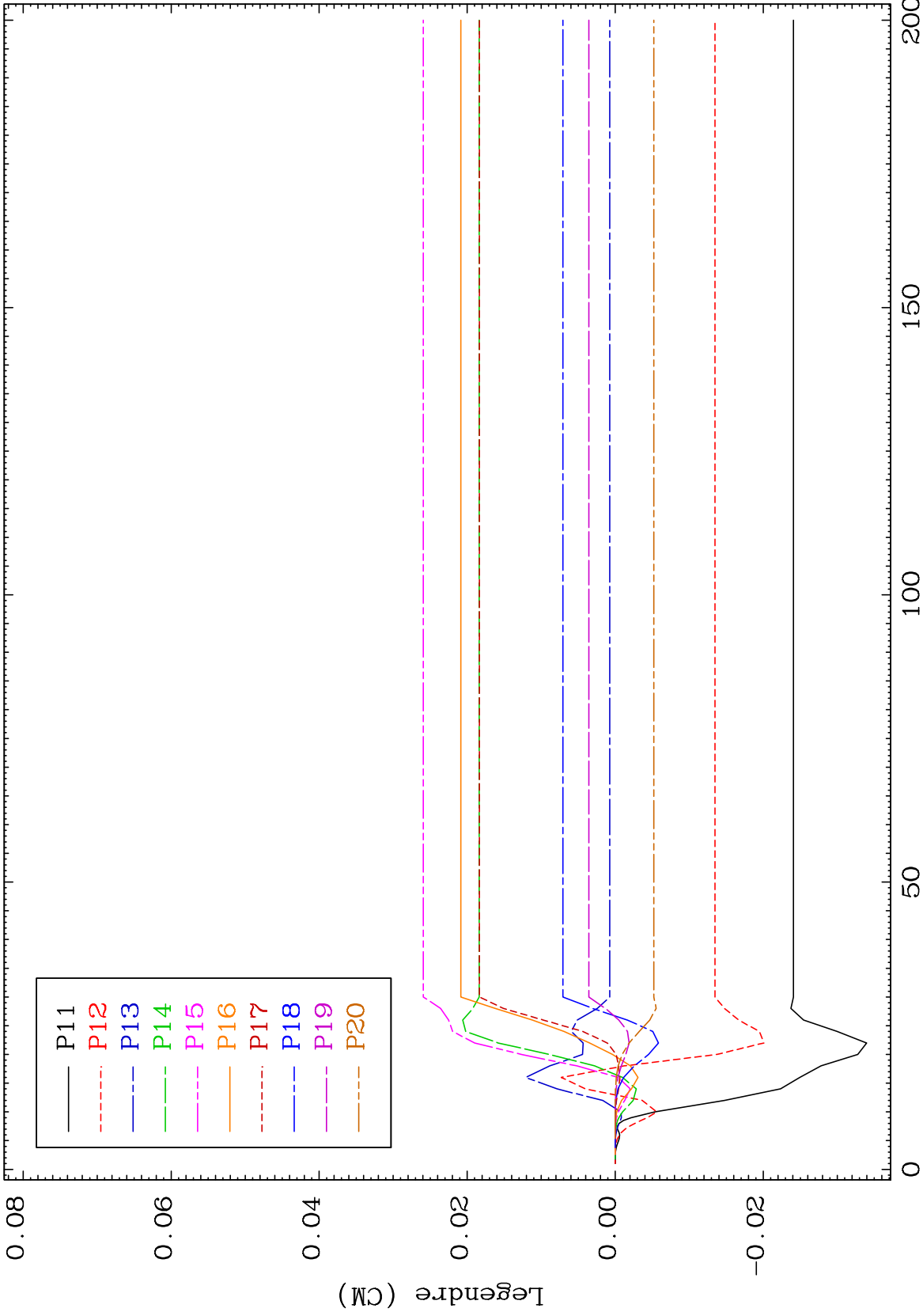
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



35

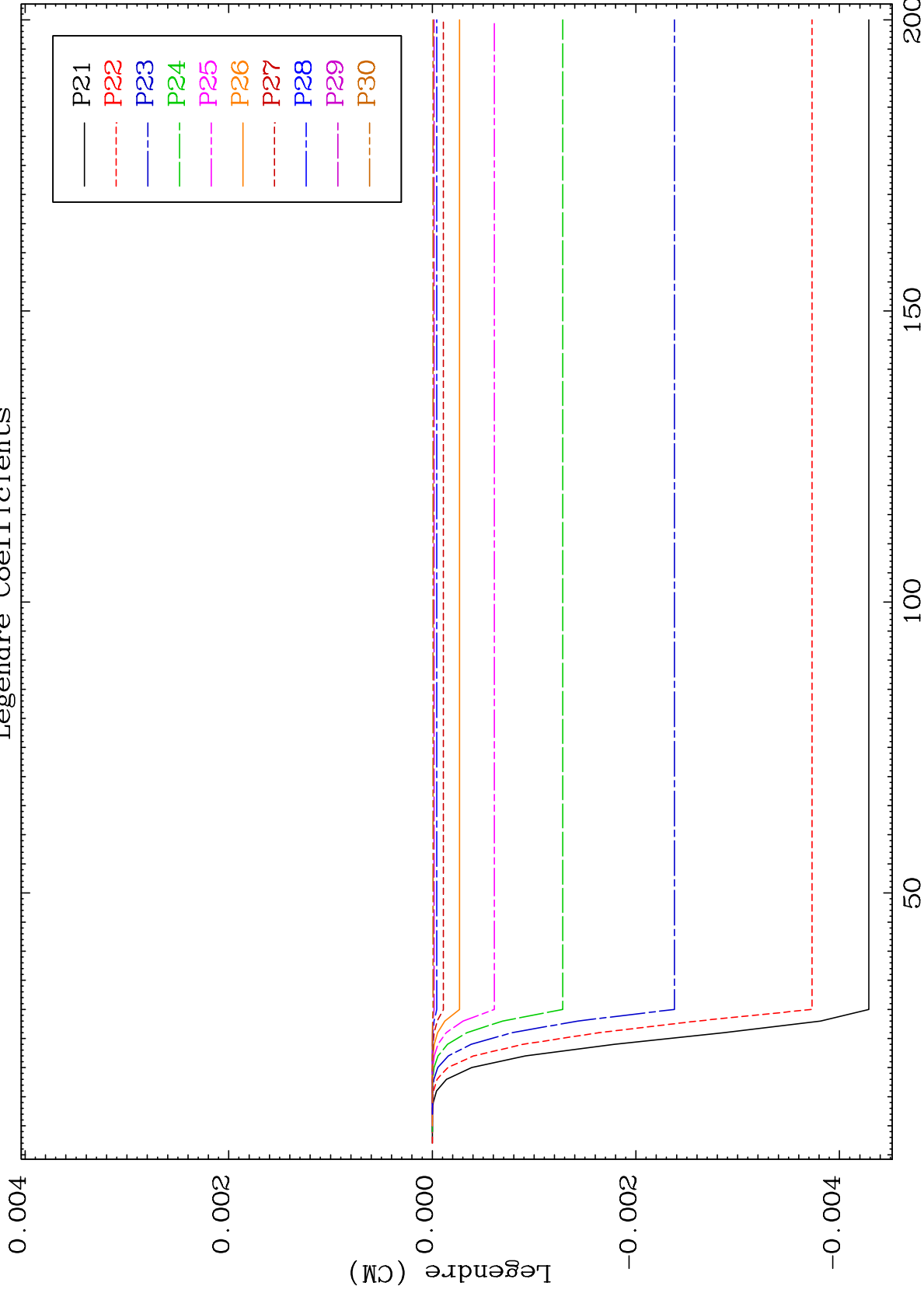
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



36

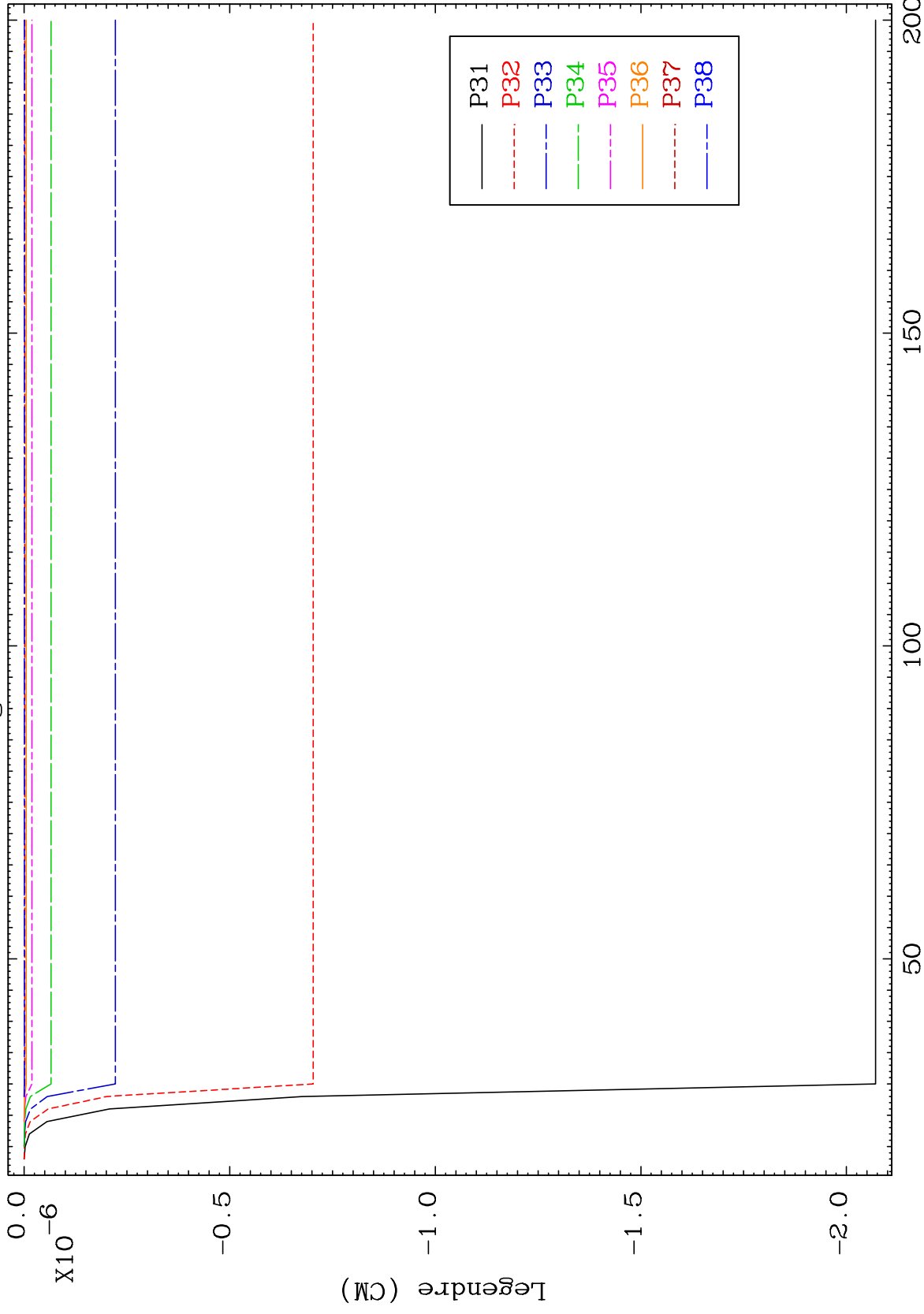
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



79-Au-198

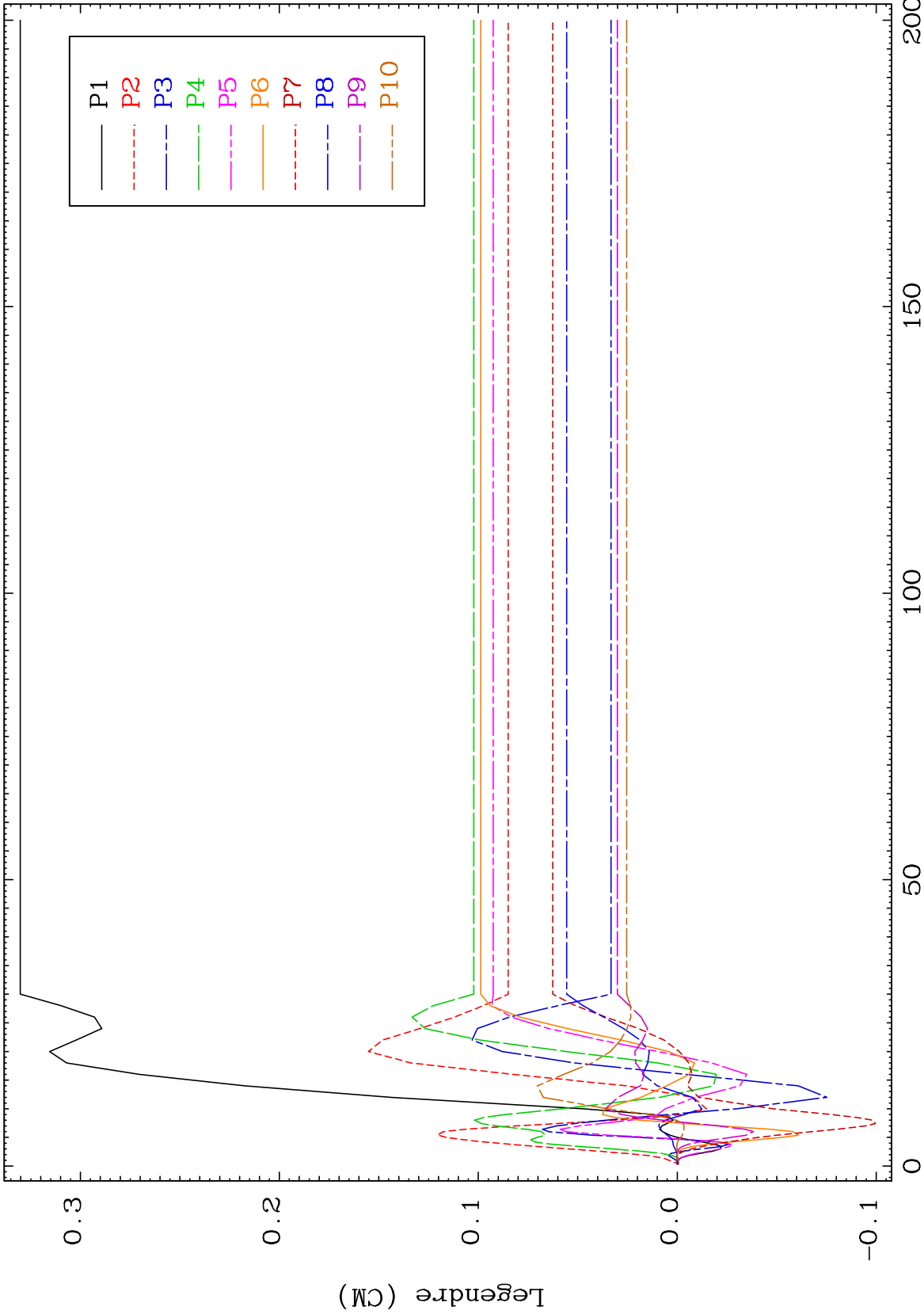
Incident Energy (MeV)

37

MAT 7928

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

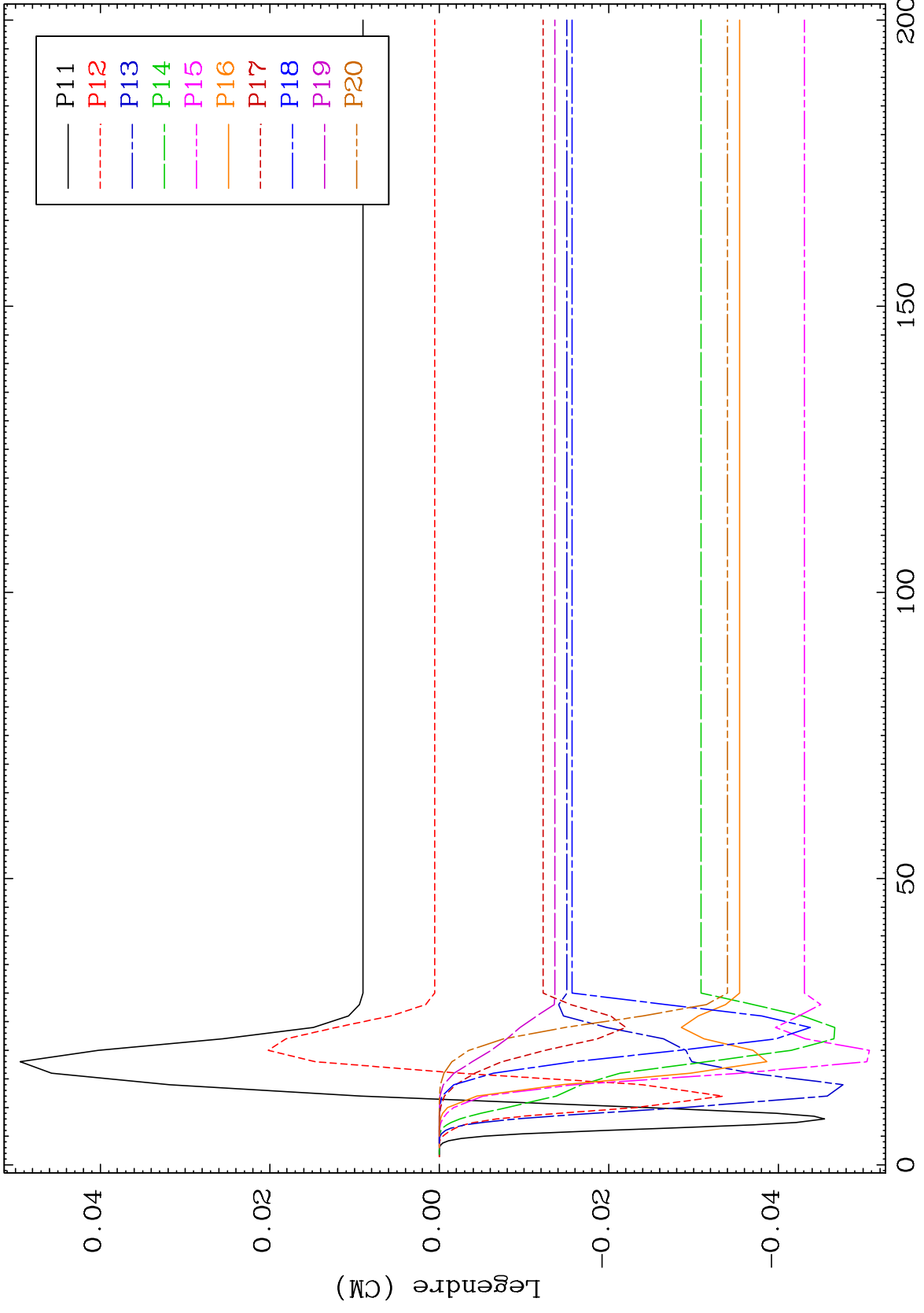
79-Au-198



38

79-Au-198

MAT 7928 MT= 56 (n,n') Level Legendre Coefficients 79-Au-198

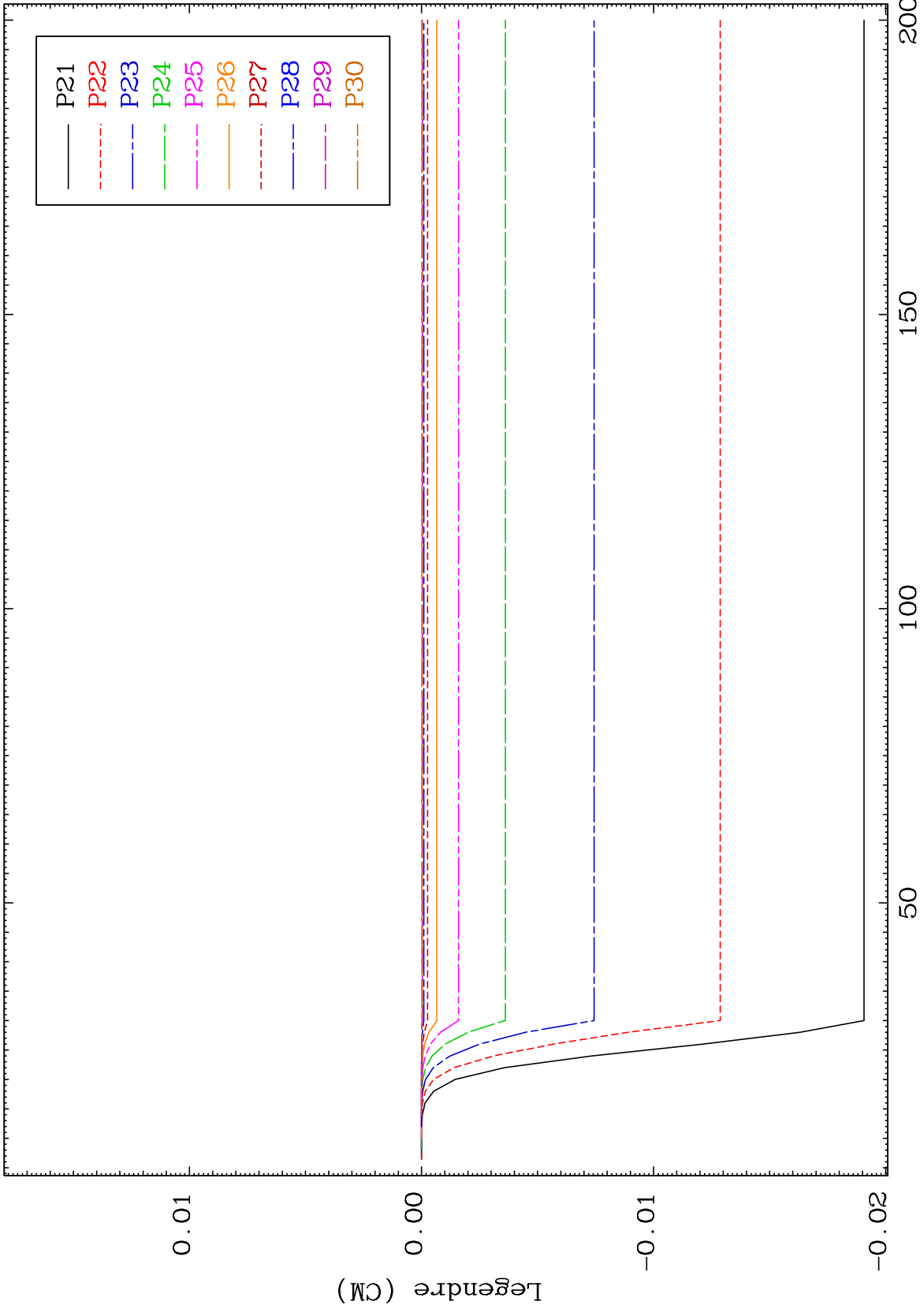


39 79-Au-198

MAT 7928

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

79-Au-198



40

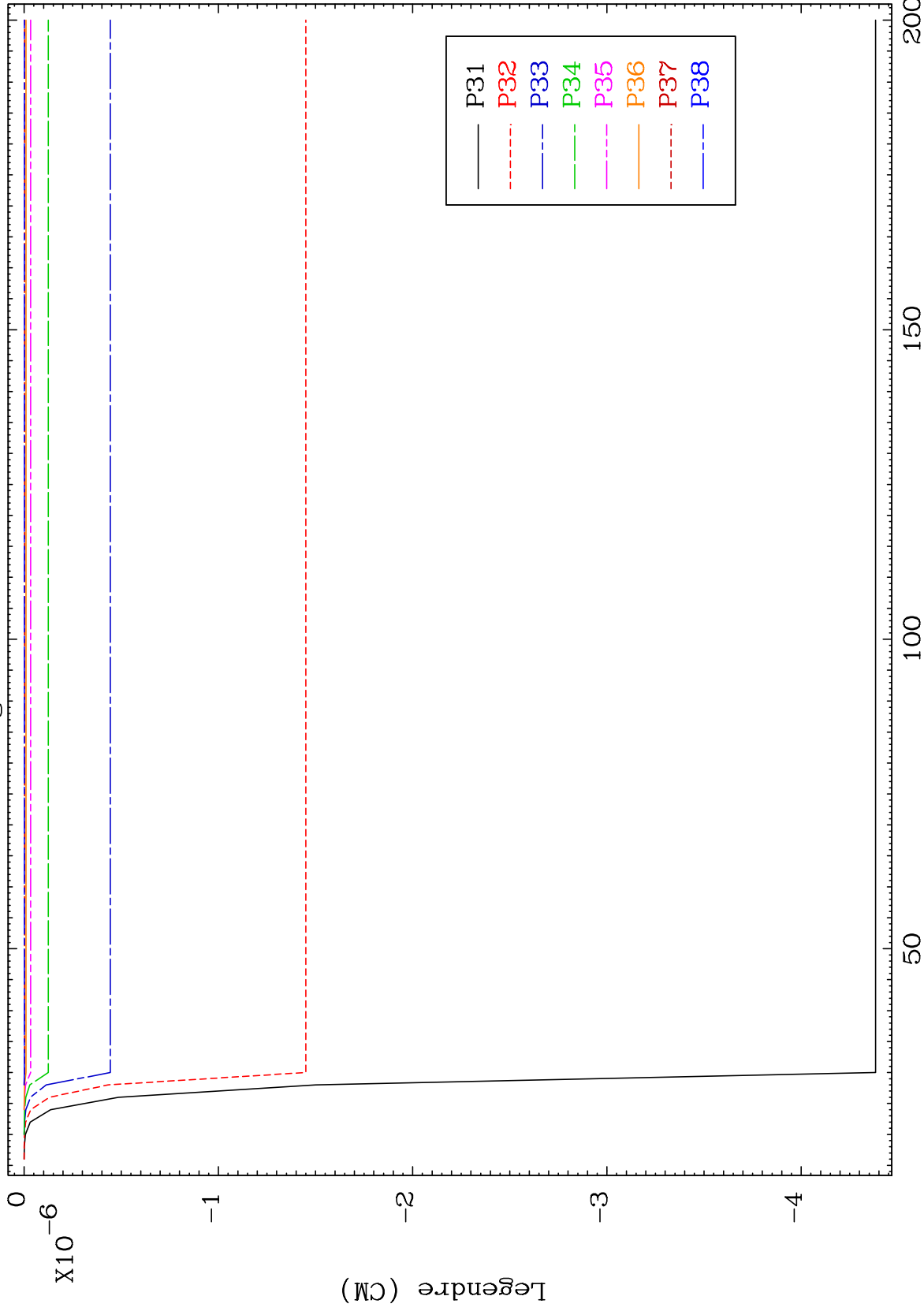
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



41

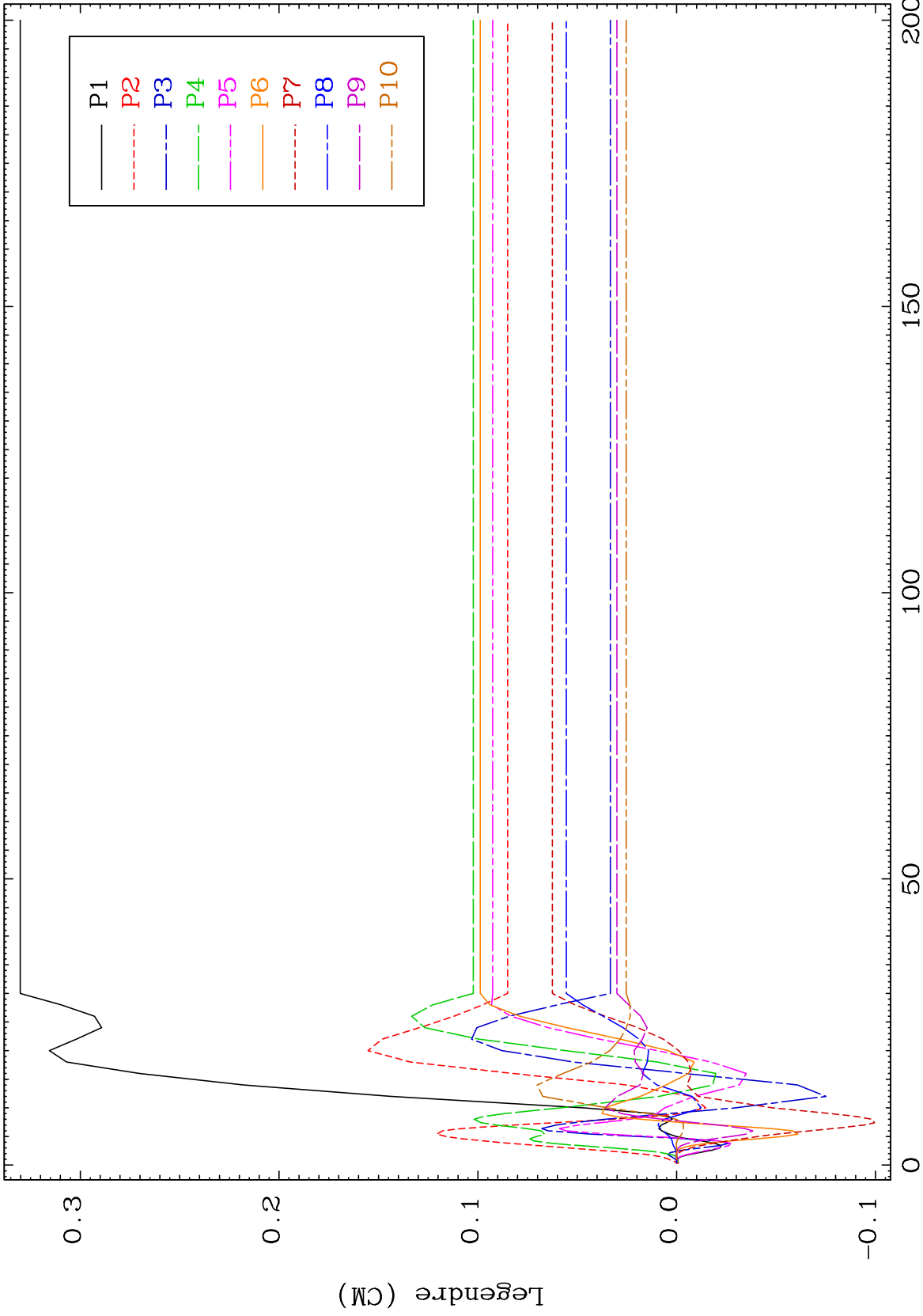
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198

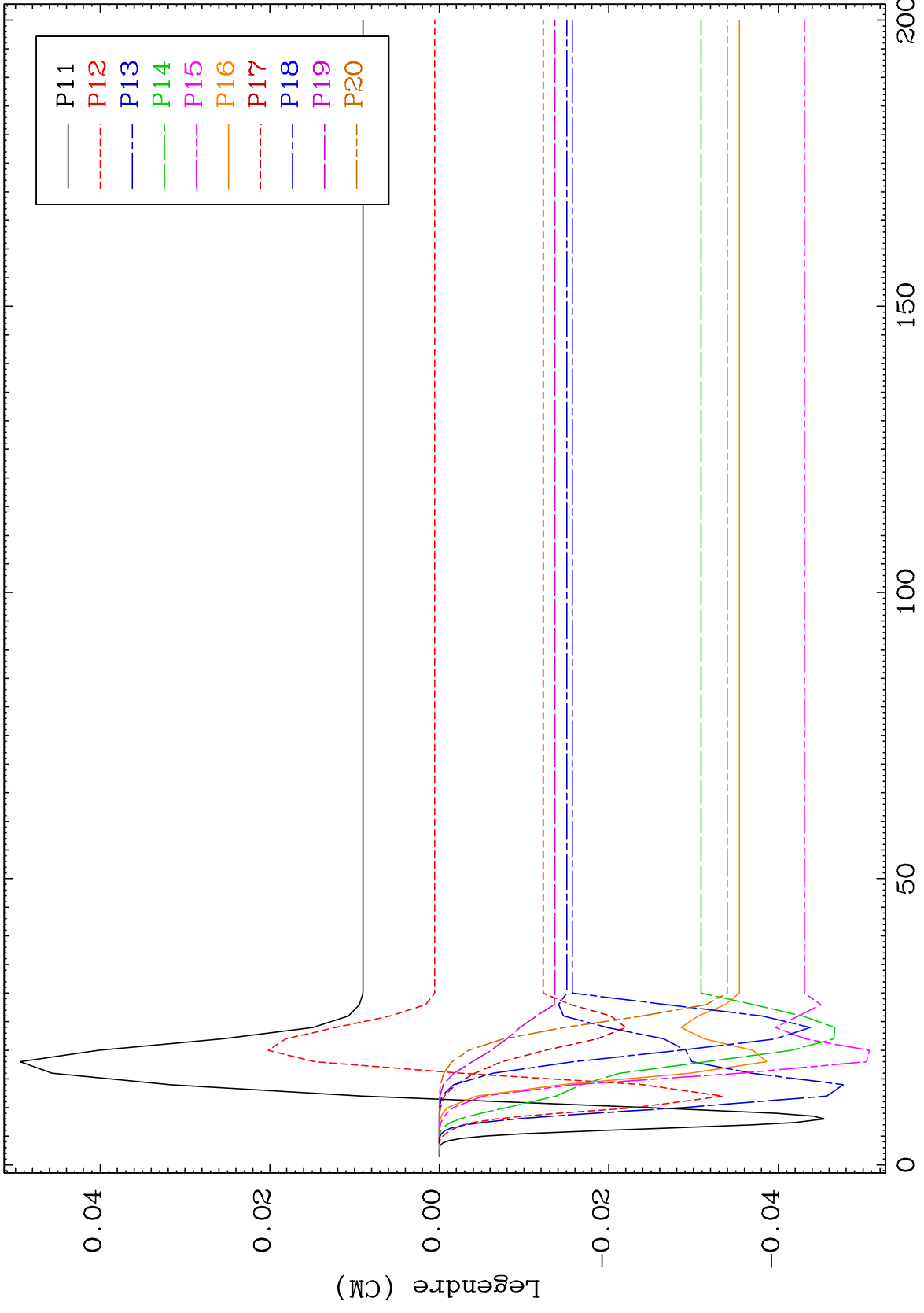


42

Incident Energy (MeV)

79-Au-198

MAT 7928 MT= 57 (n,n') Level Legendre Coefficients 79-Au-198

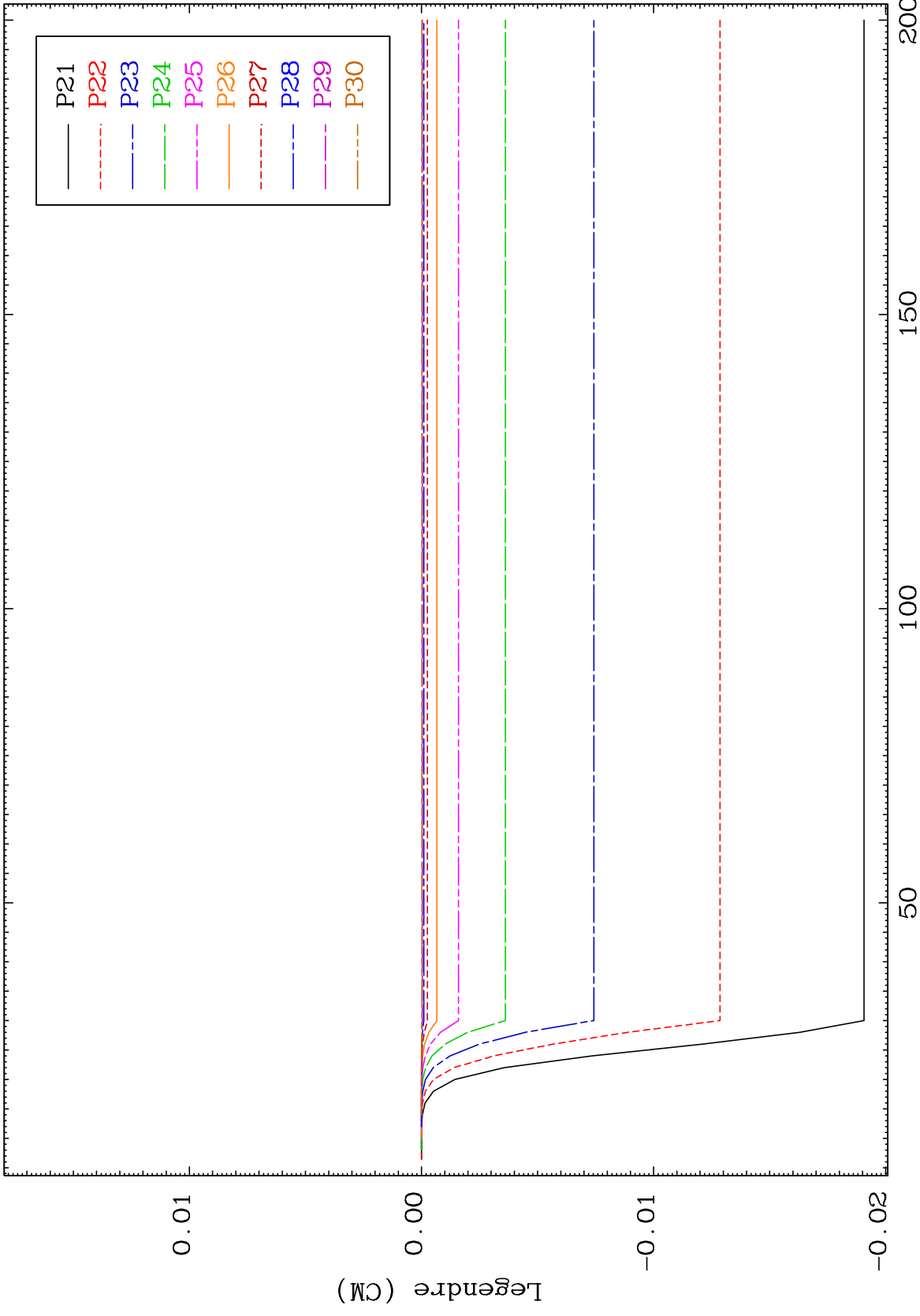


43 79-Au-198

MAT 7928

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

79-Au-198



44

Incident Energy (MeV)

79-Au-198

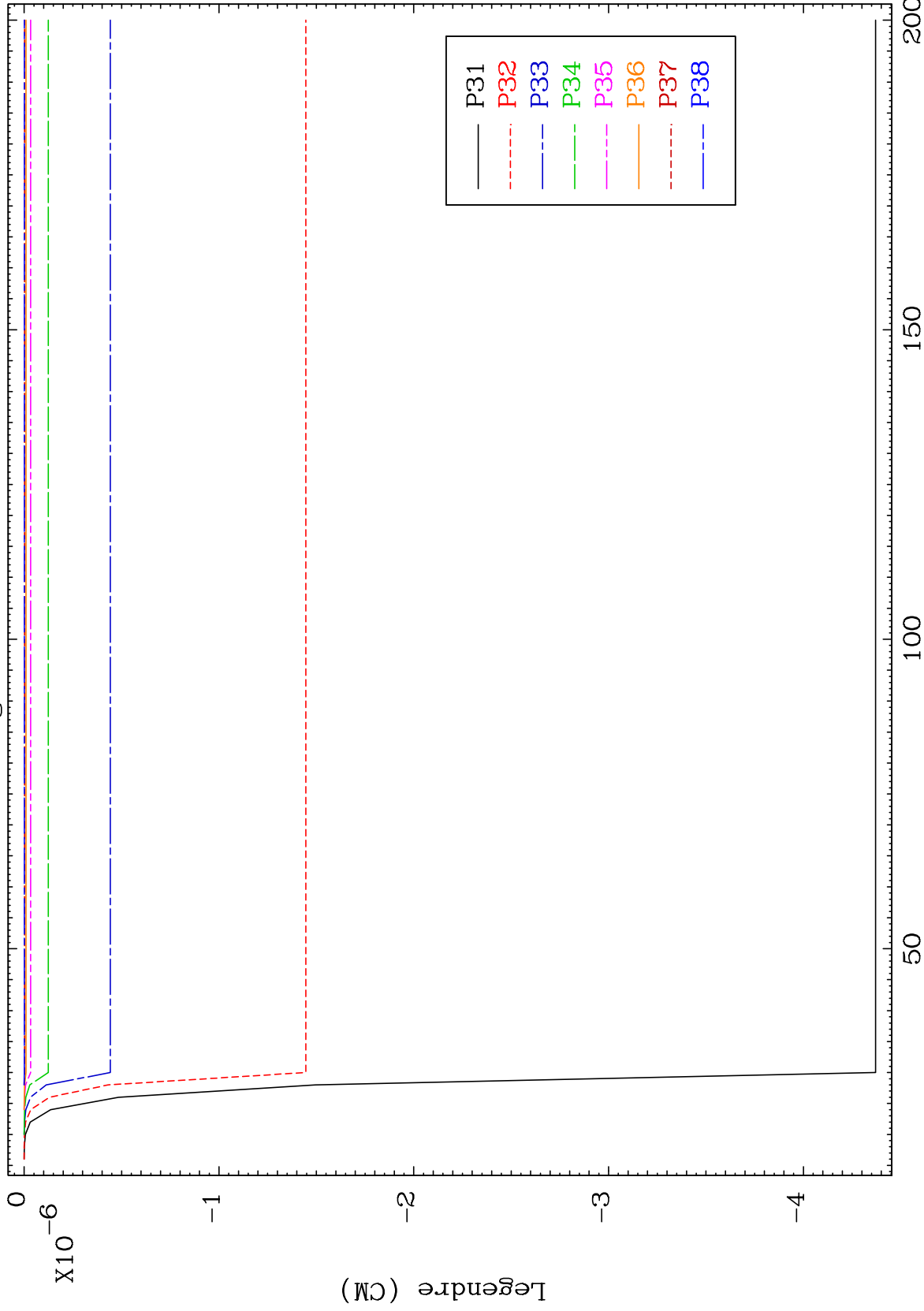
MAT 7928

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

79-Au-198

Incident Energy (MeV)

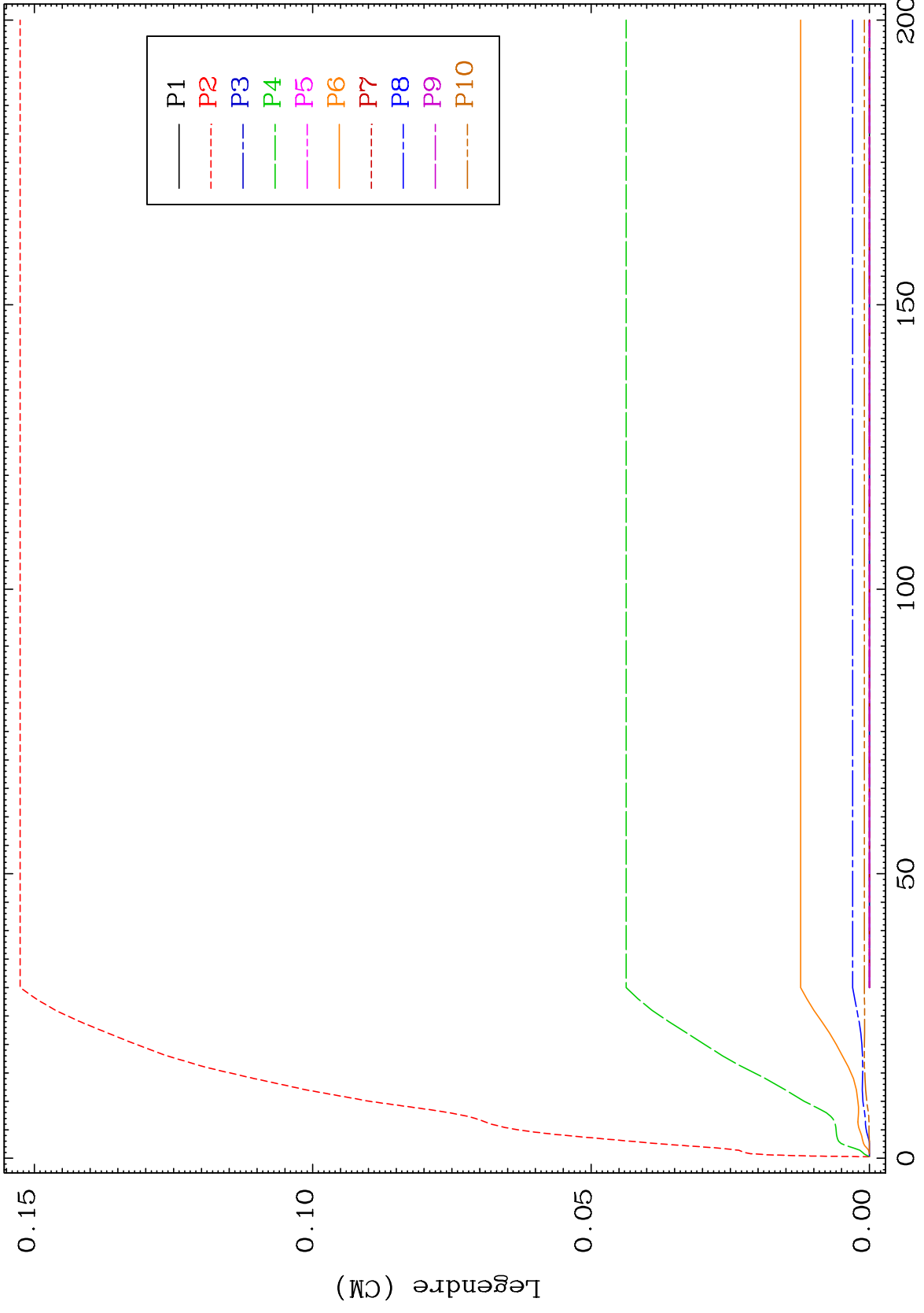
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MAT 7928

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

79-Au-198



46

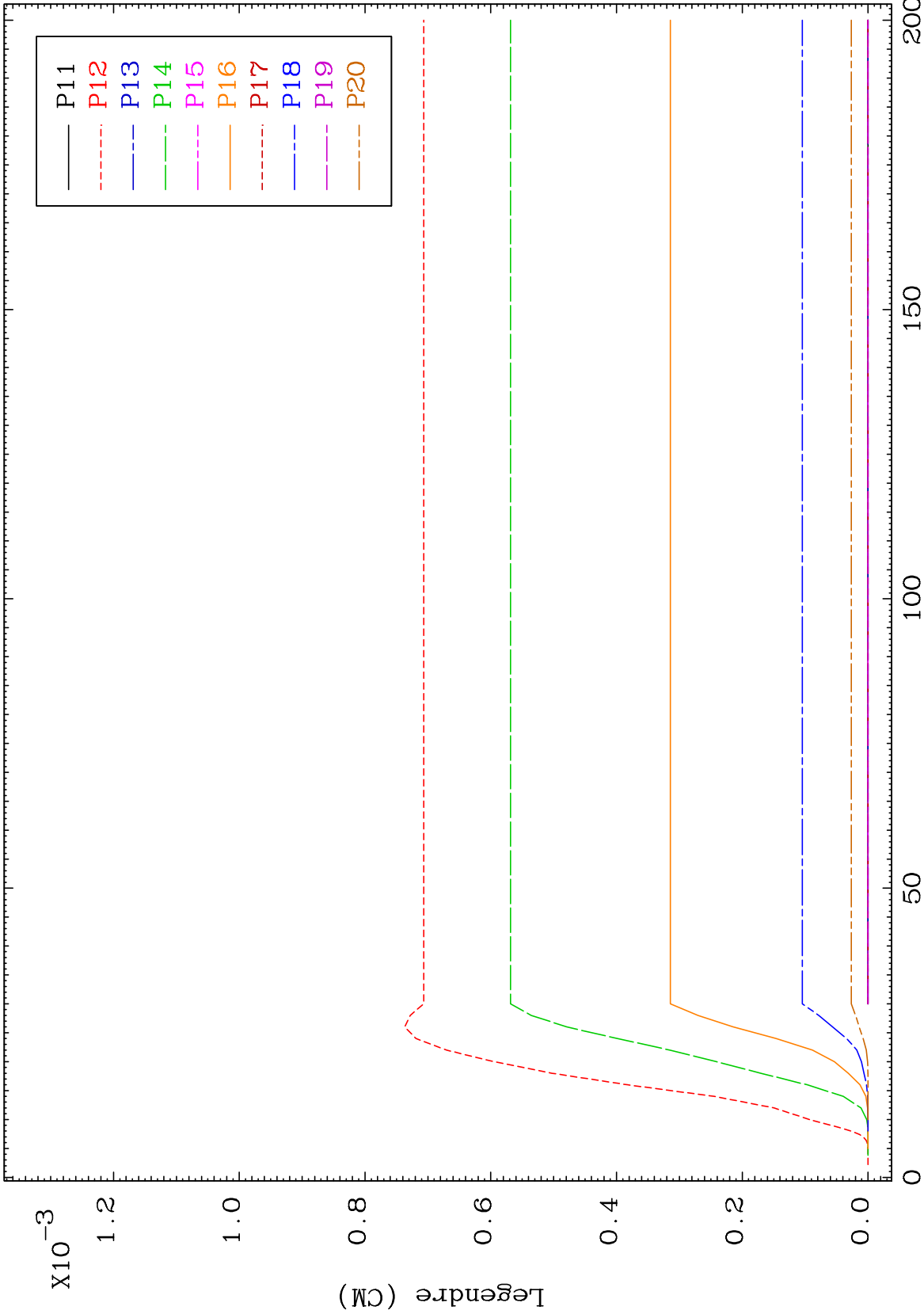
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



47

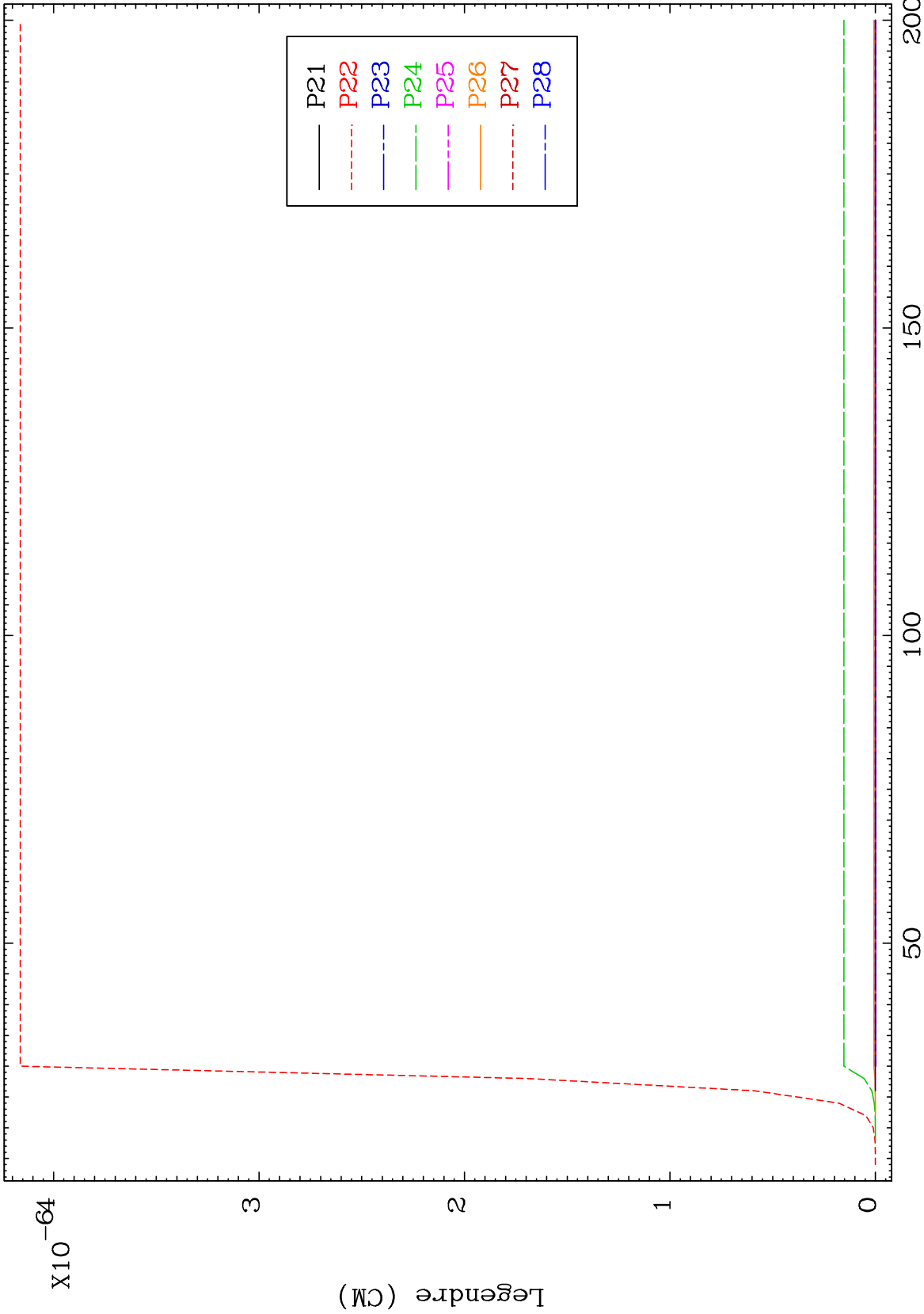
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



48

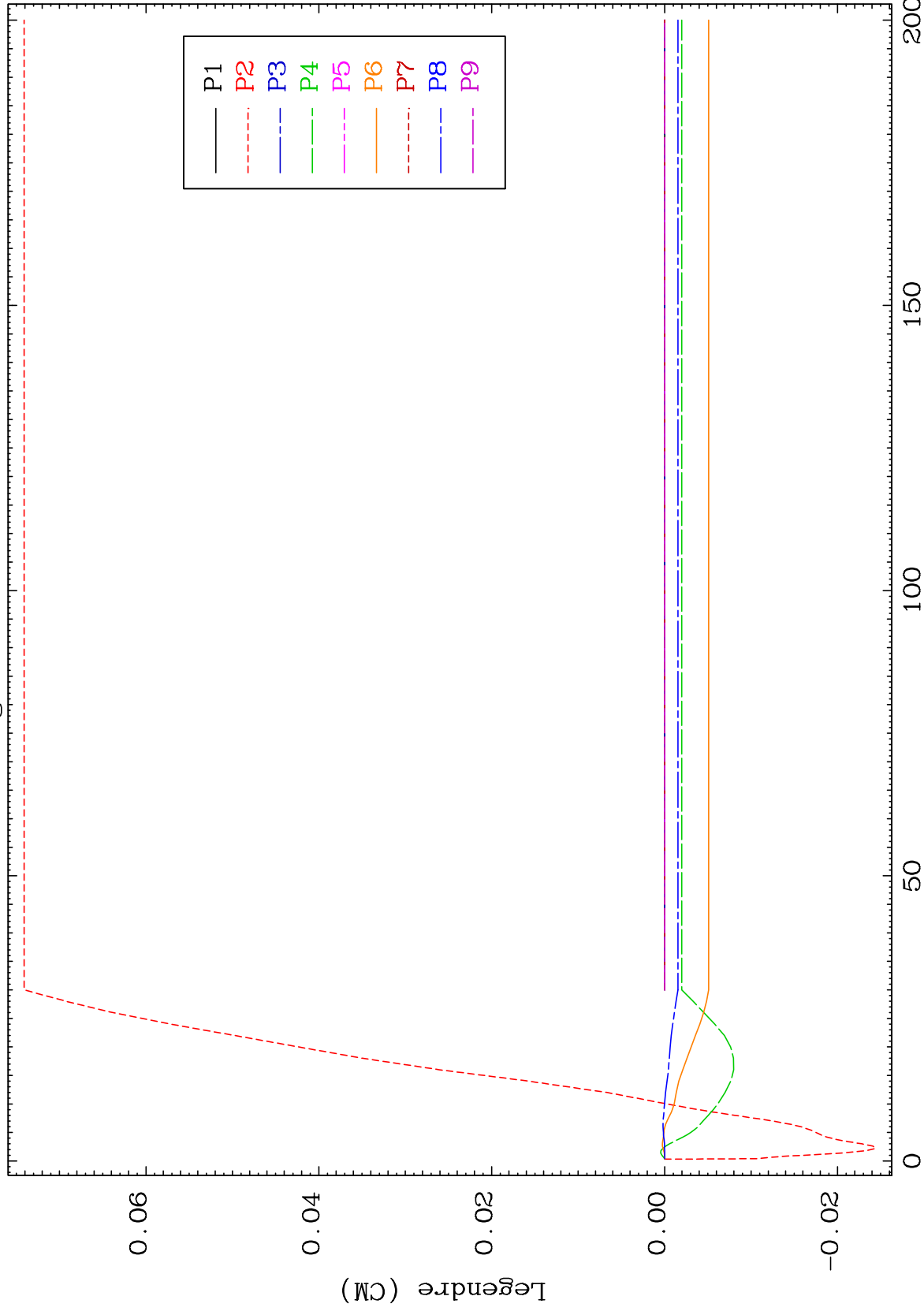
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



49

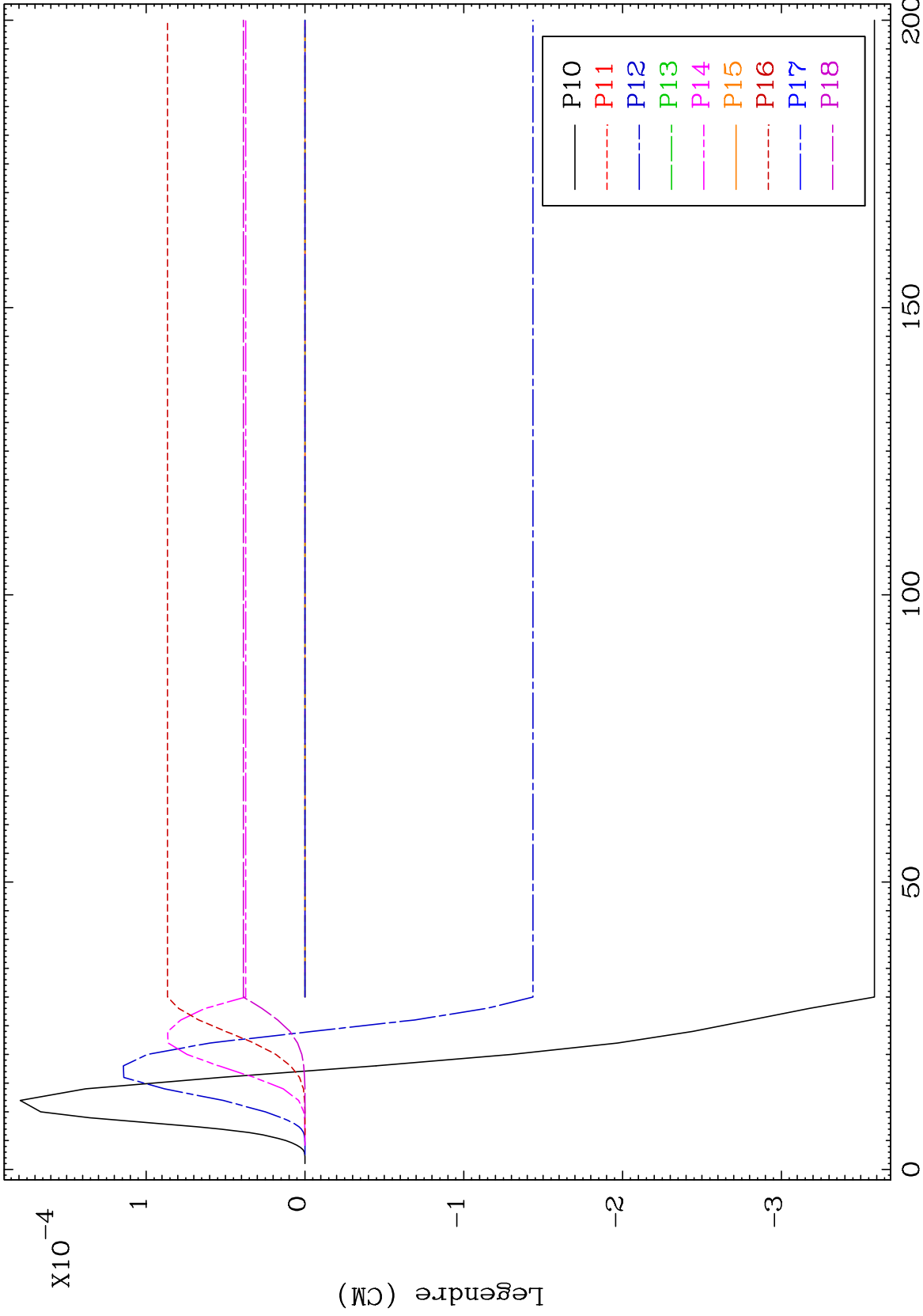
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



50

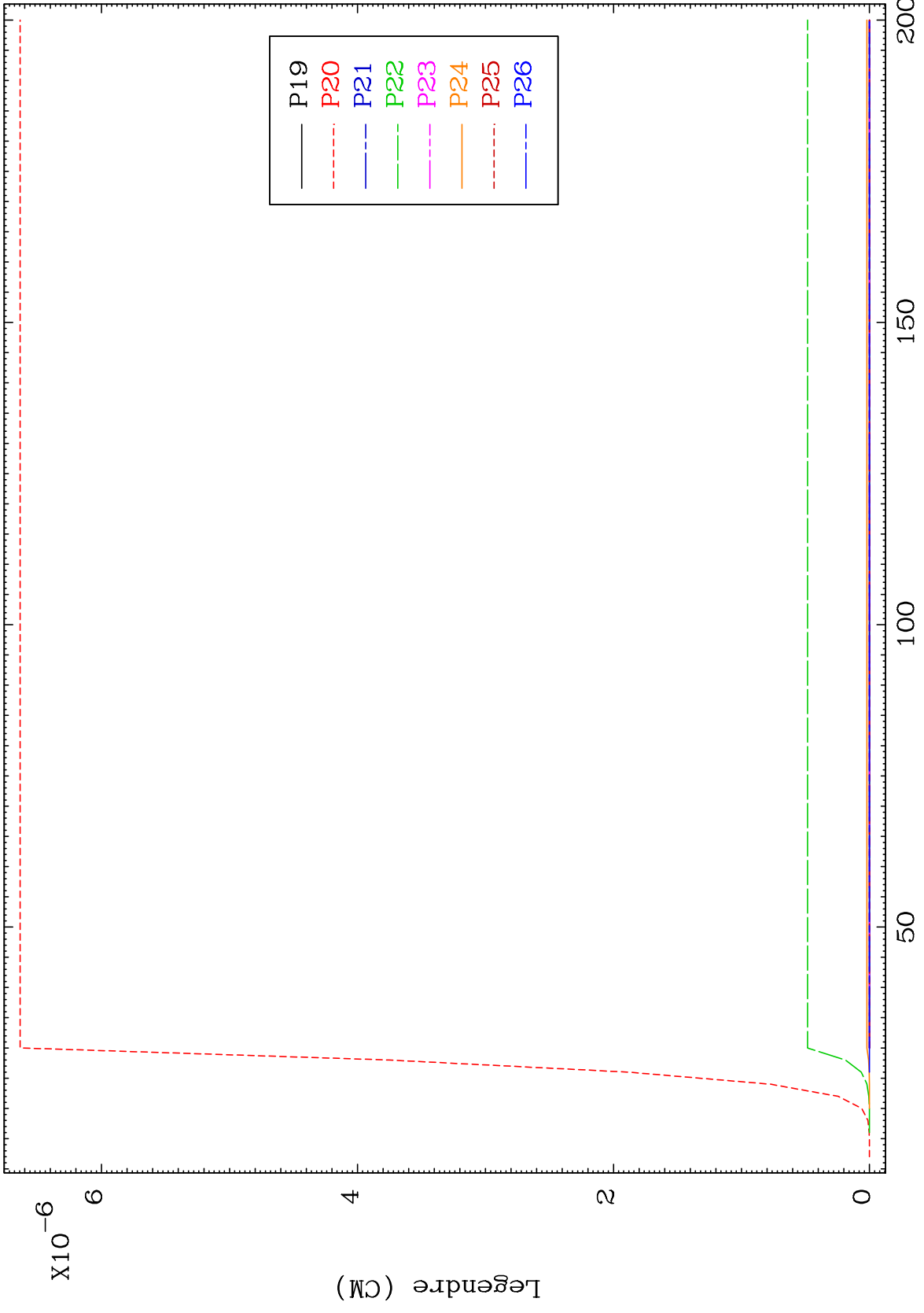
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



51

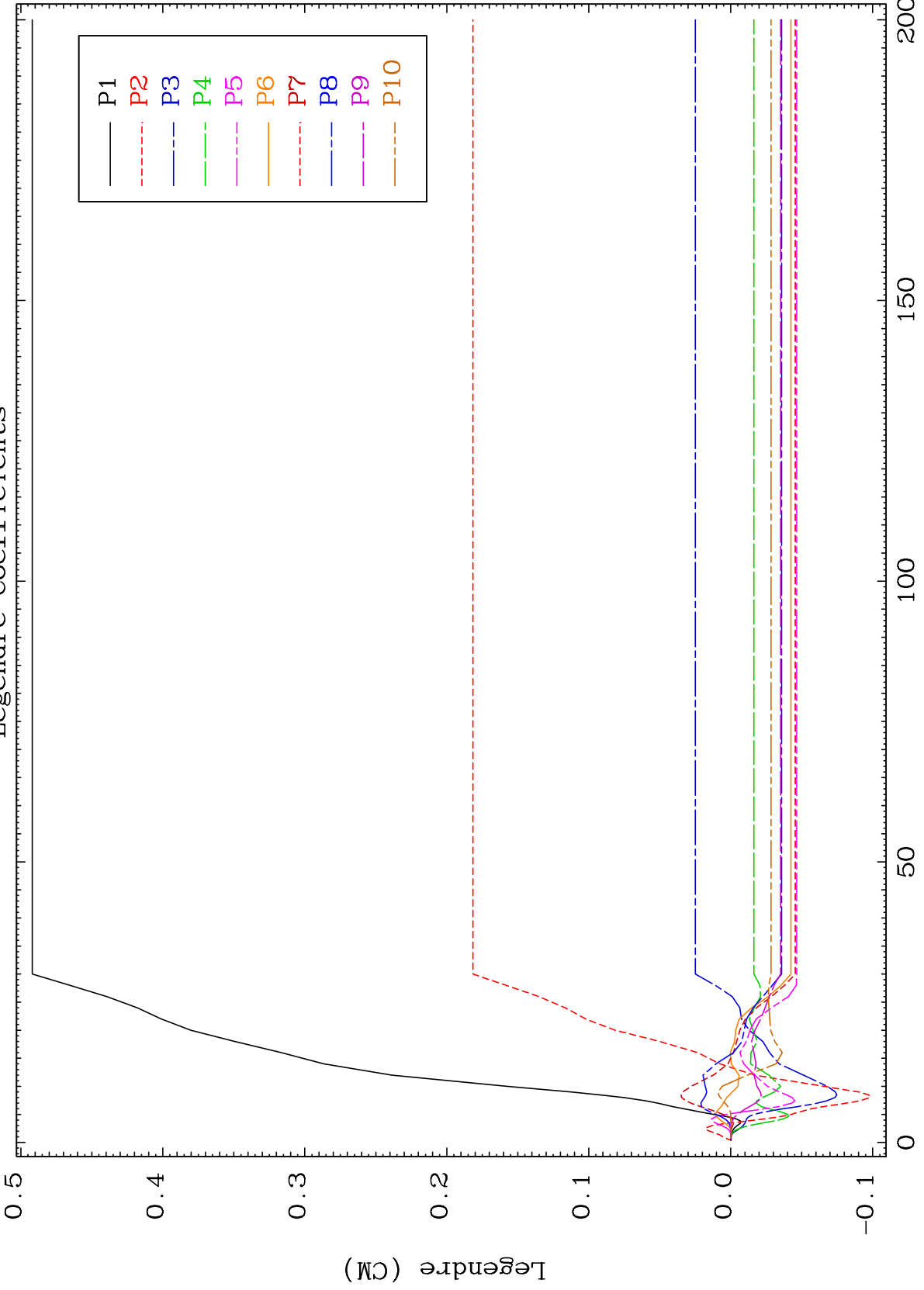
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



52

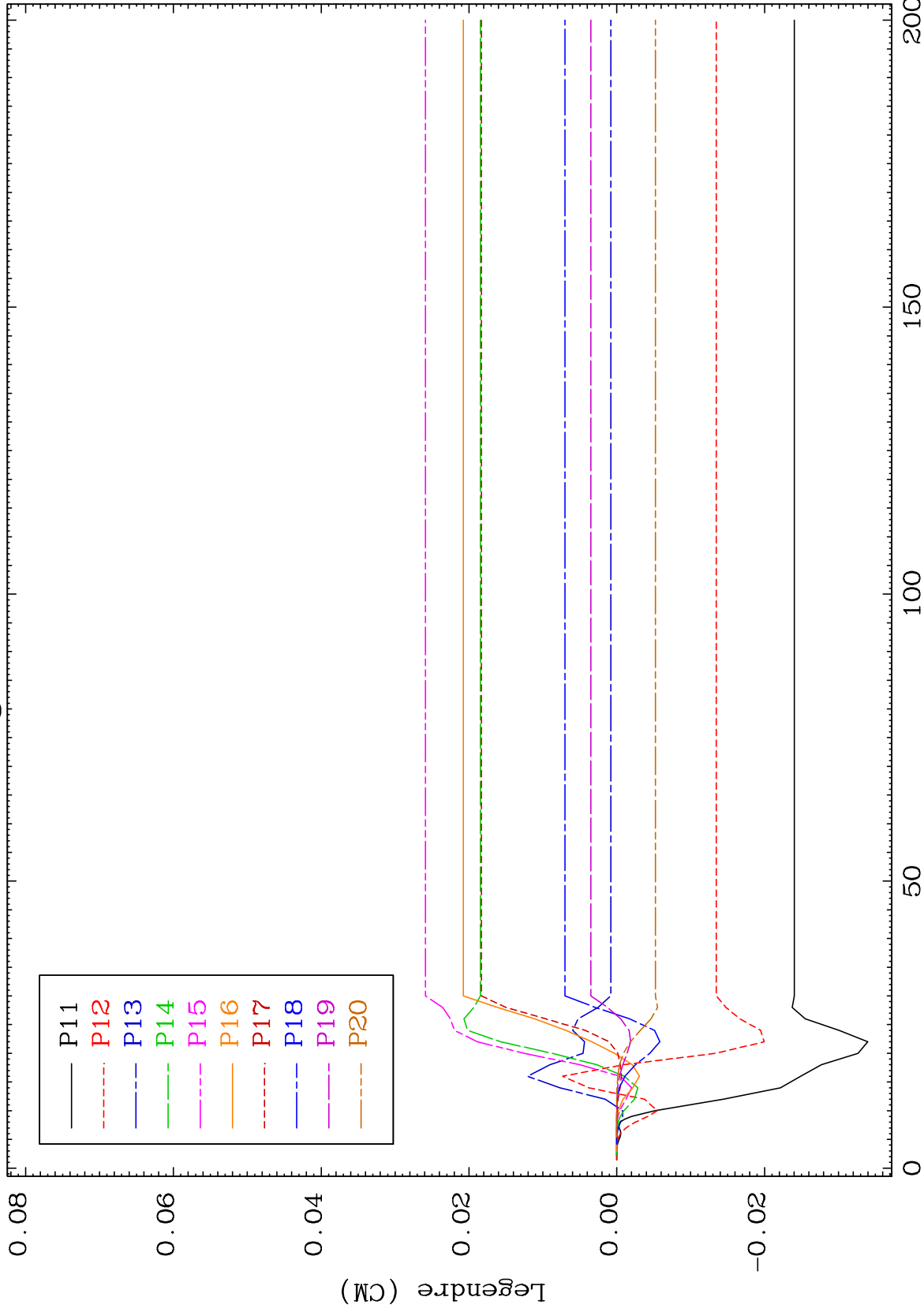
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198

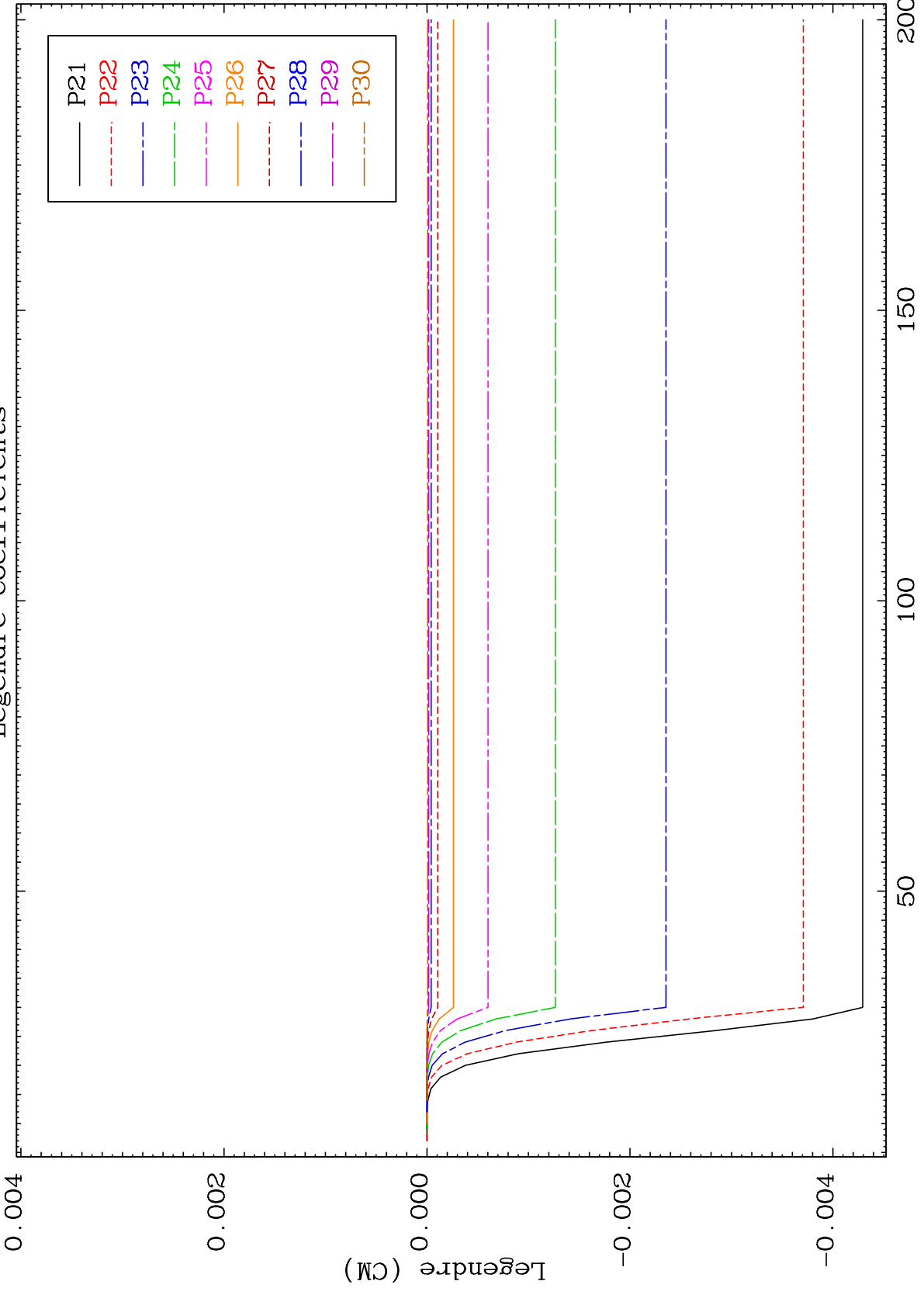


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Incident Energy (MeV)

79-Au-198

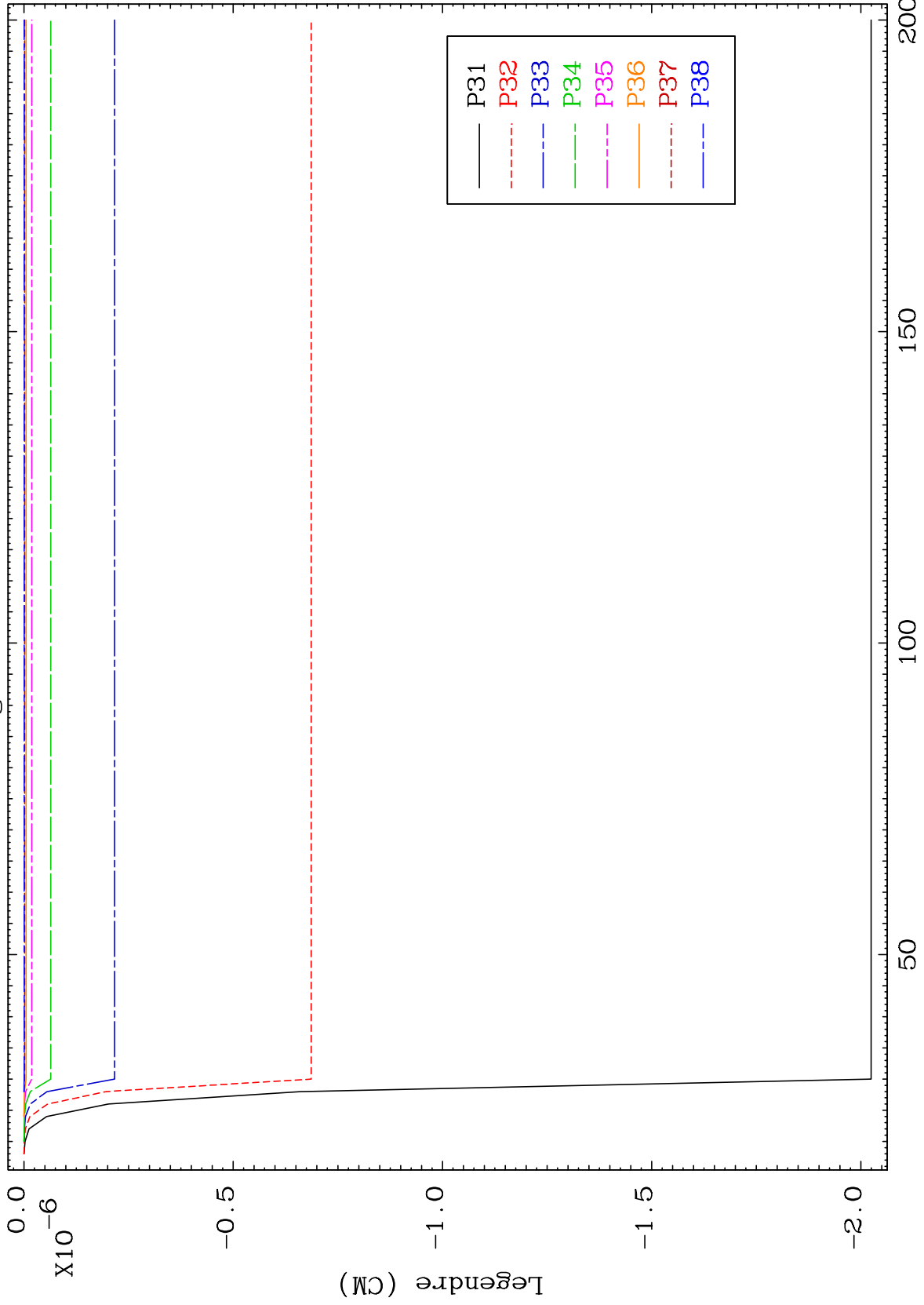
MAT 7928 MT= 60 (n,n') Level Legendre Coefficients 79-Au-198



MAT 7928

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

79-Au-198



79-Au-198

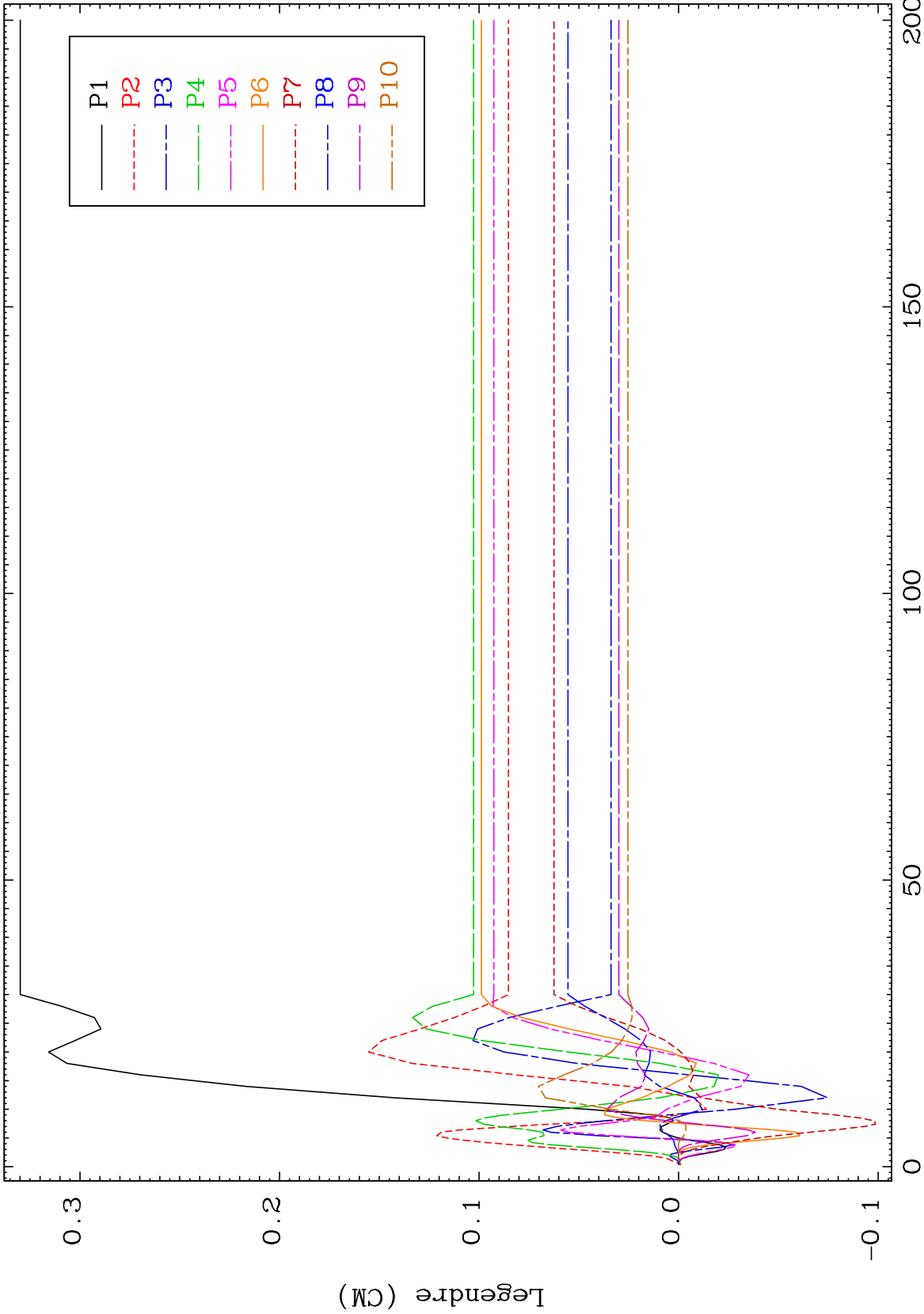
Incident Energy (MeV)

55

MAT 7928

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

79-Au-198

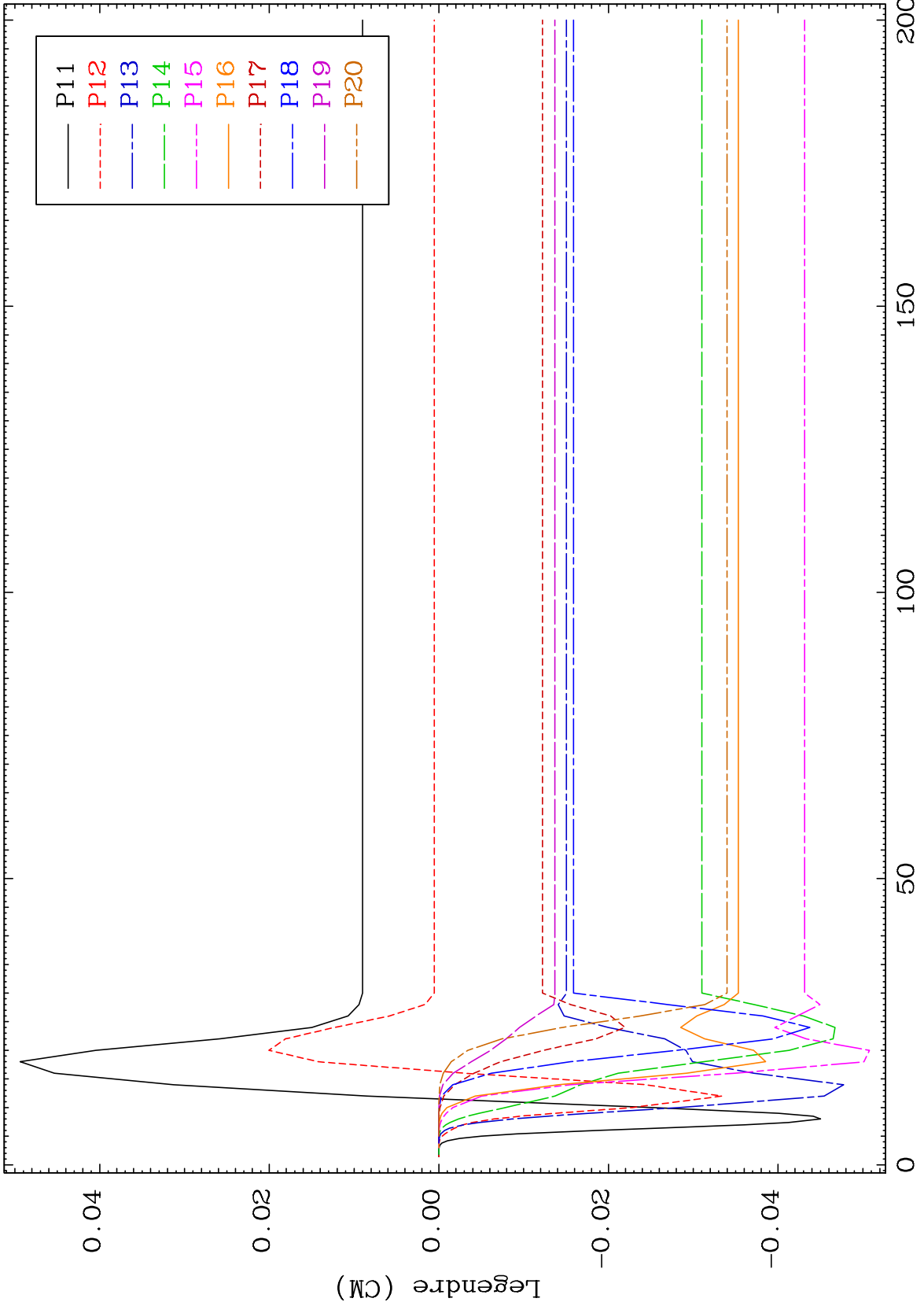


56

Incident Energy (MeV)

79-Au-198

MAT 7928 MT= 61 (n,n') Level Legendre Coefficients 79-Au-198

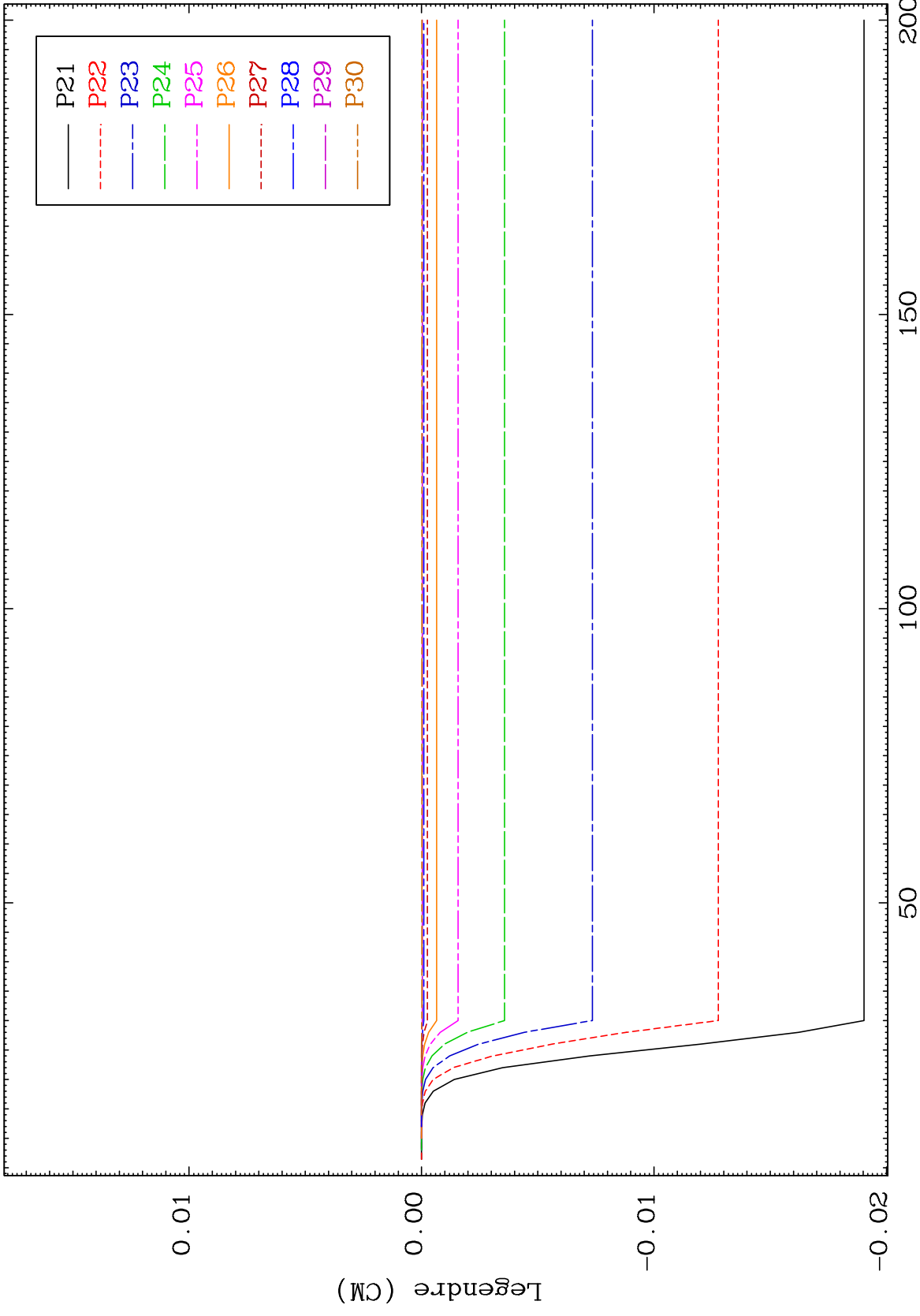


57 79-Au-198

MAT 7928

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

79-Au-198



58

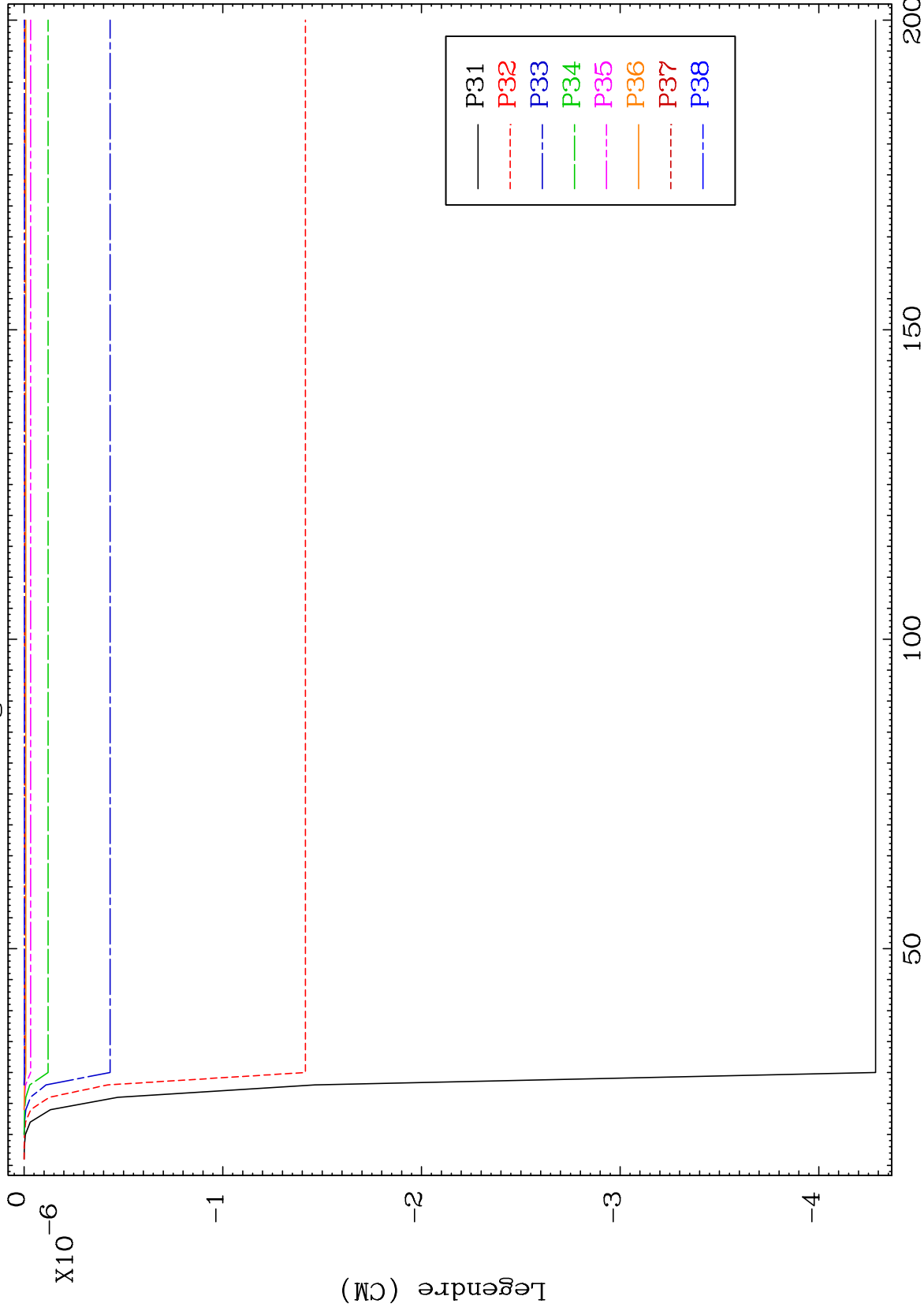
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



79-Au-198

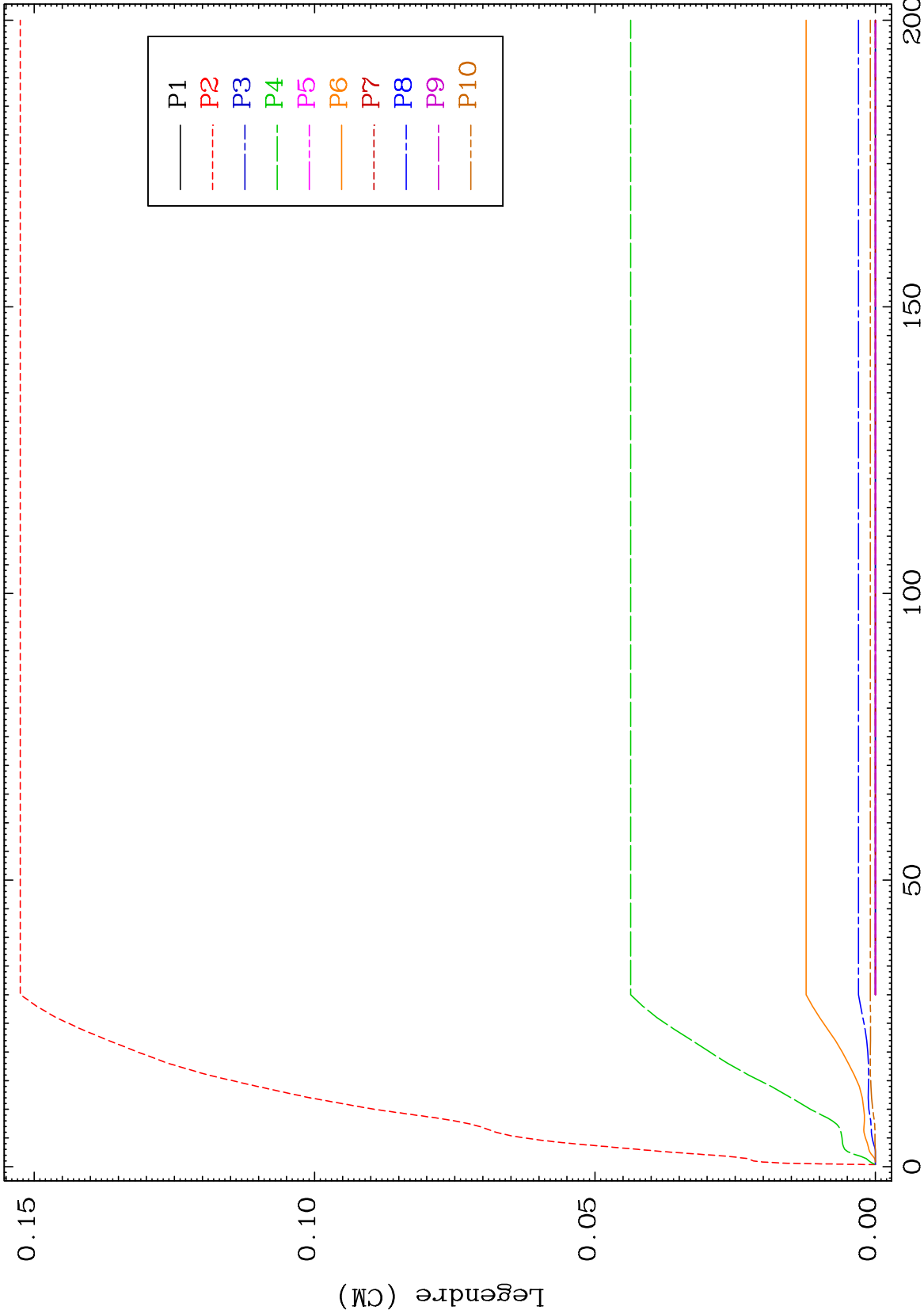
Incident Energy (MeV)

59

MAT 7928

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

79-Au-198



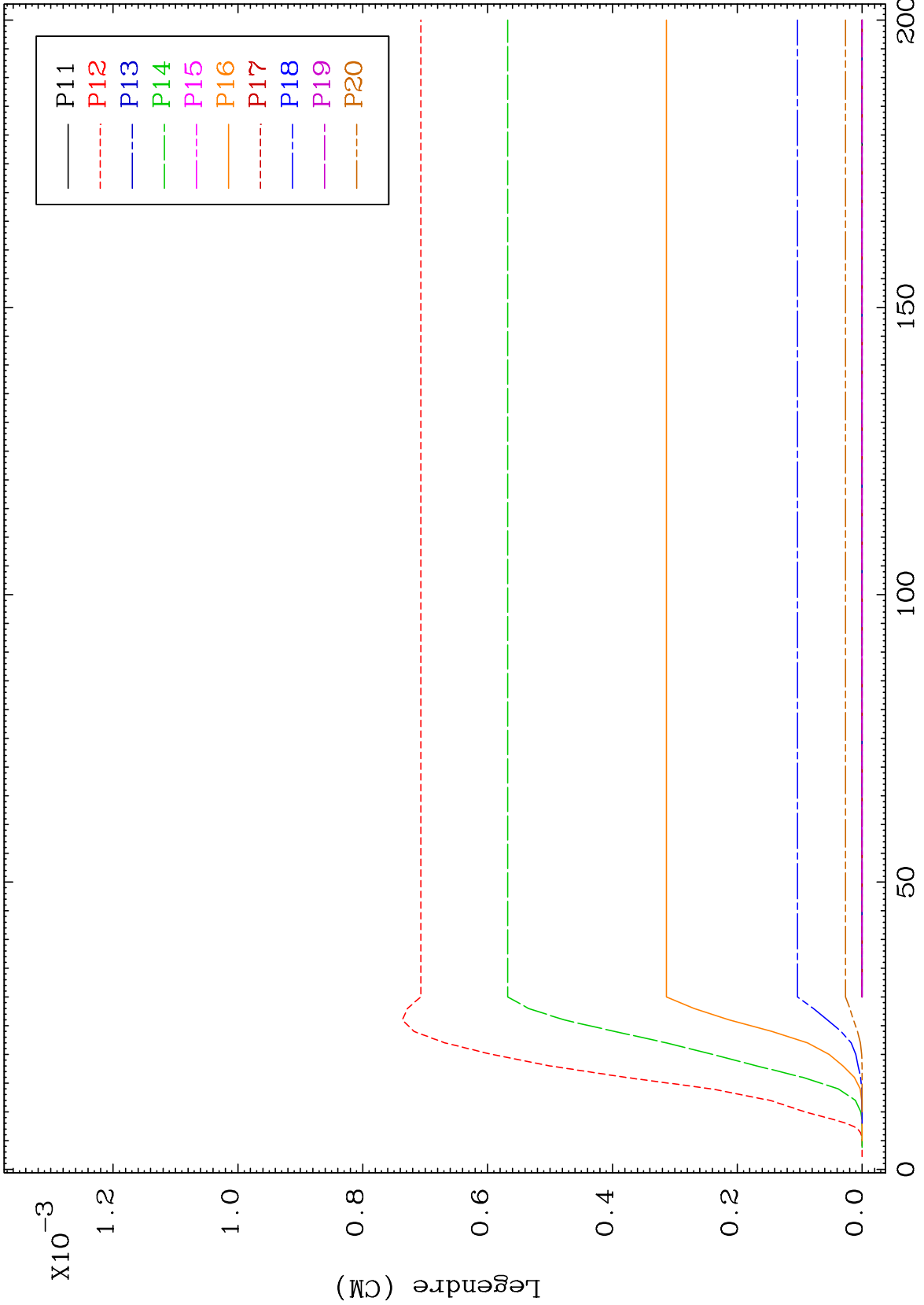
79-Au-198

Incident Energy (MeV)

MAT 7928

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

79-Au-198



61

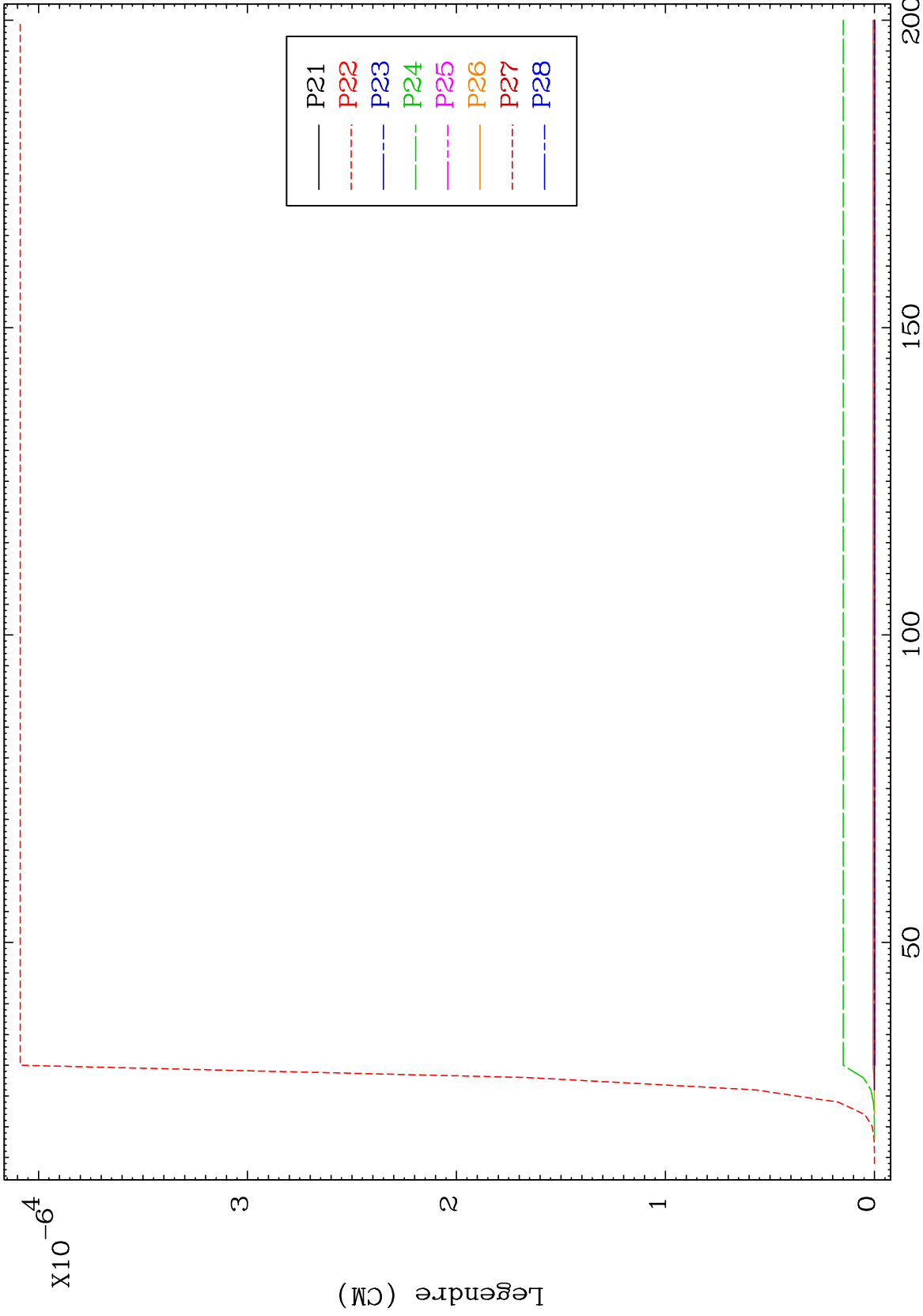
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



62

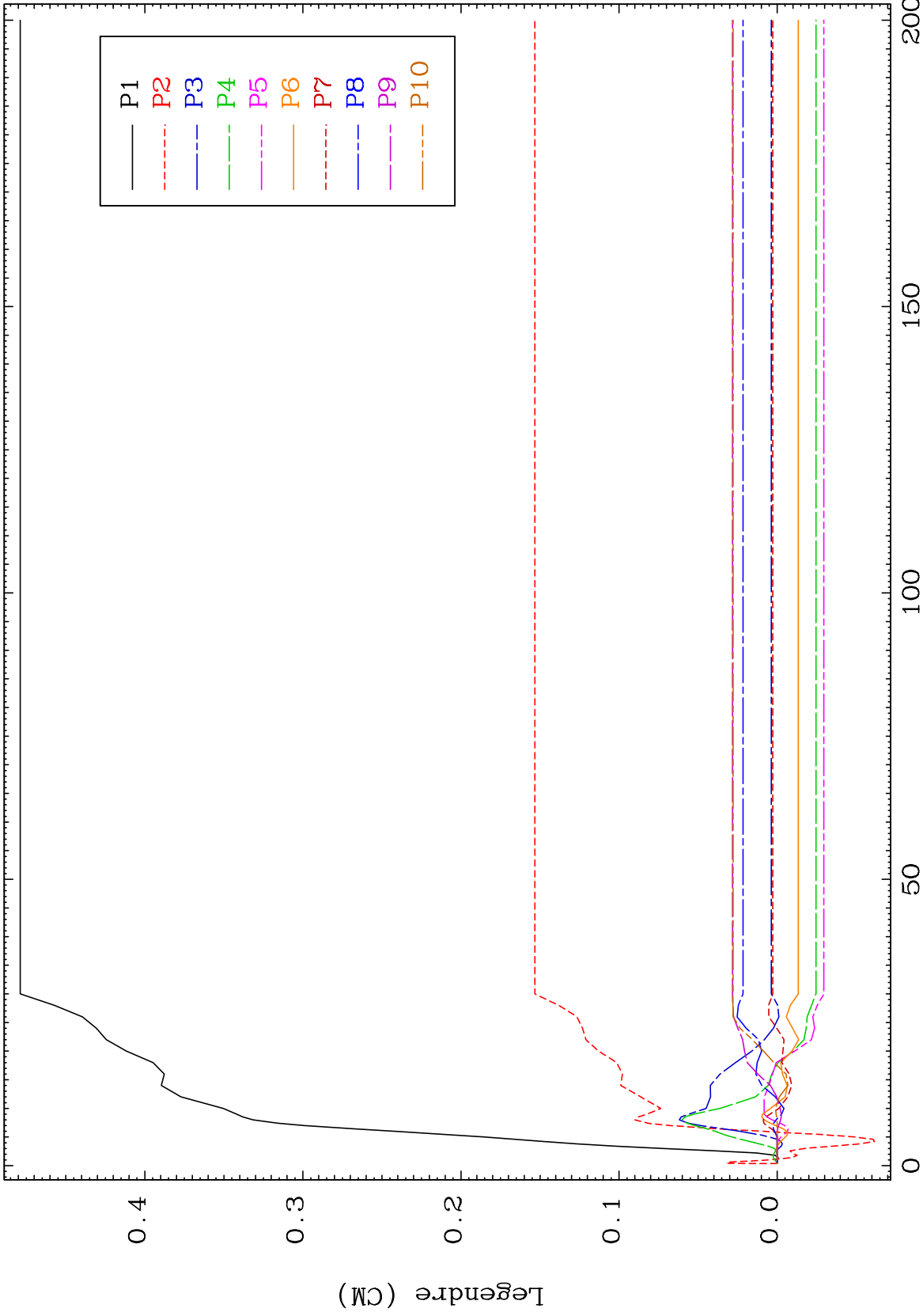
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



63

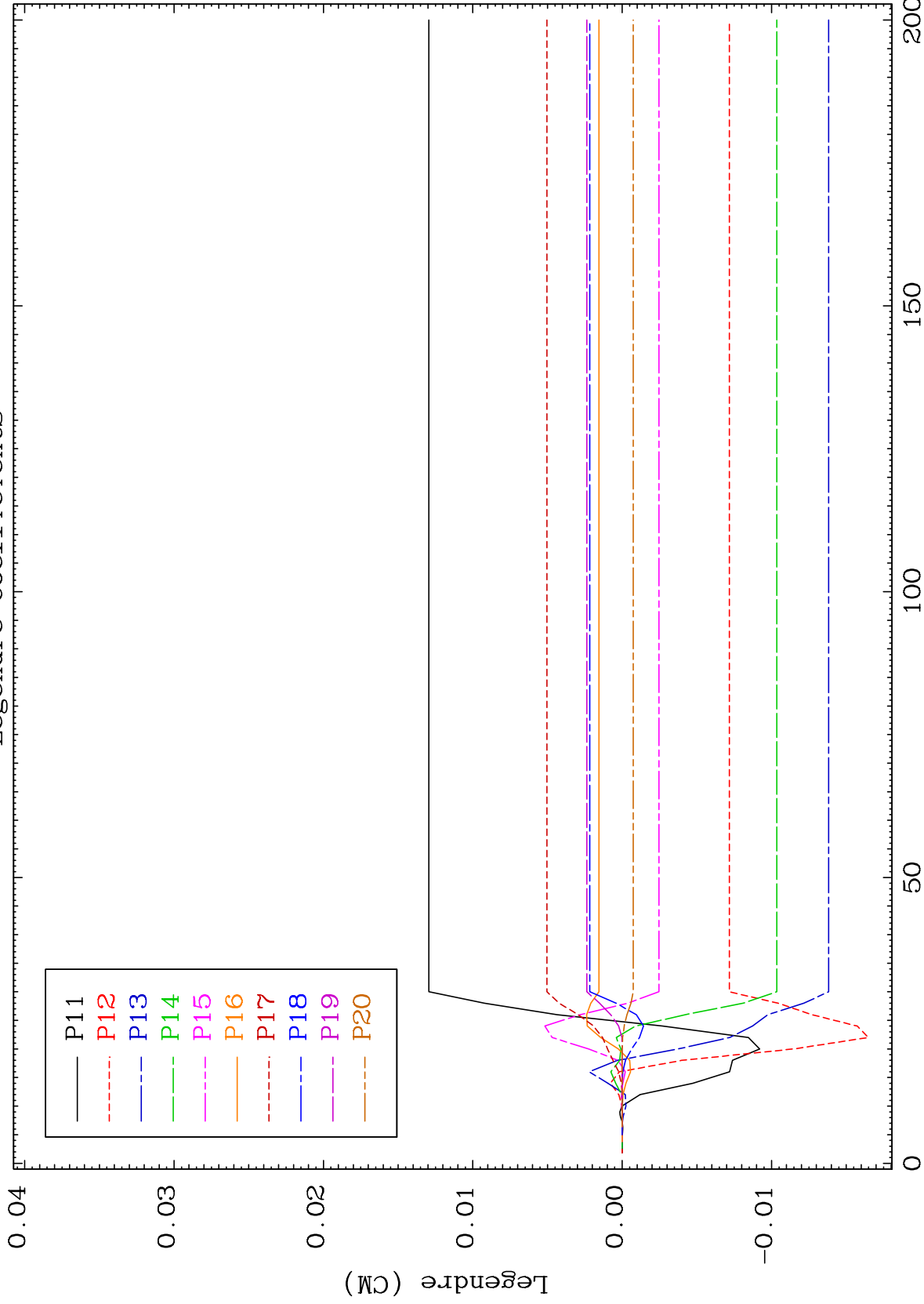
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



64

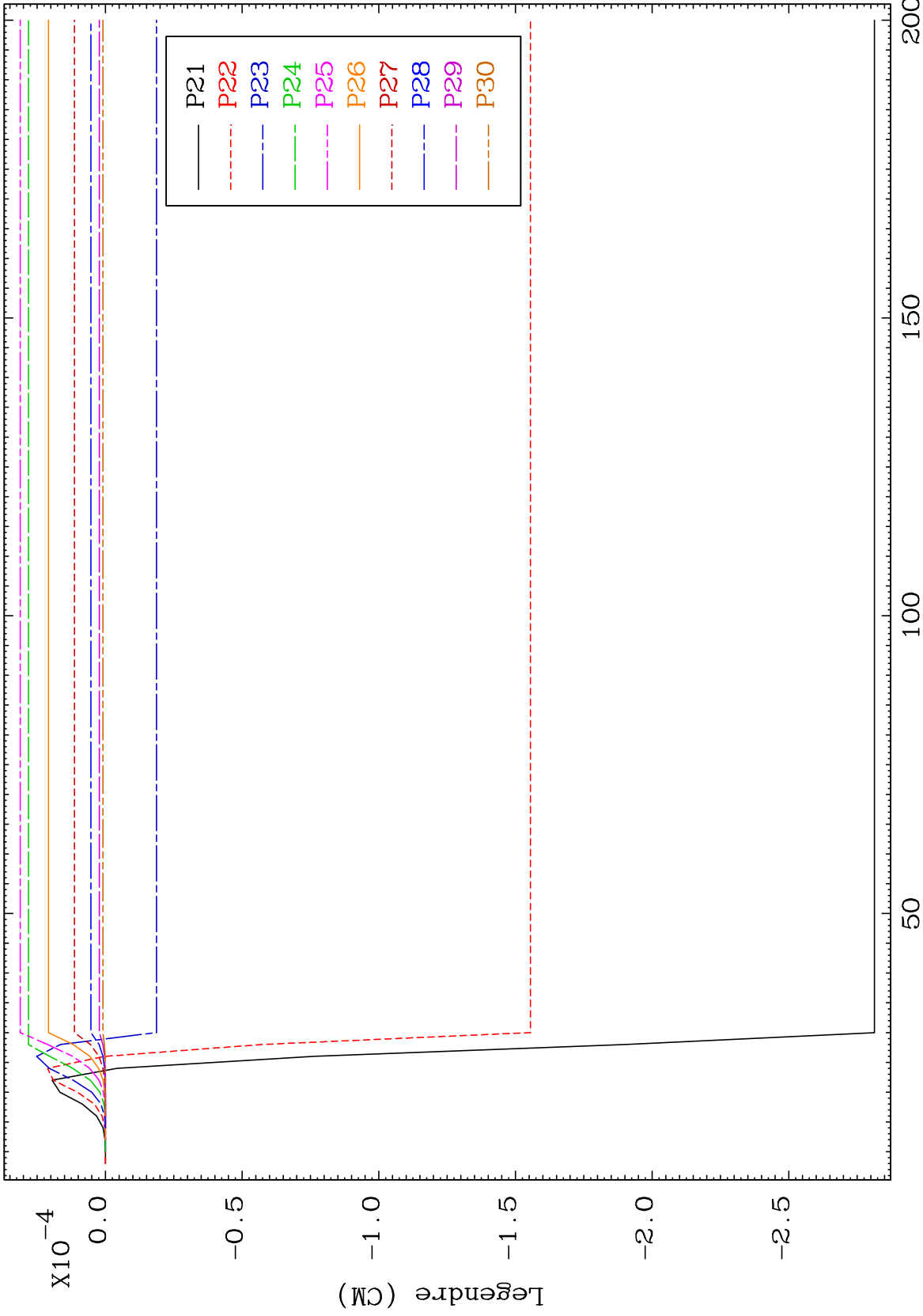
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



65

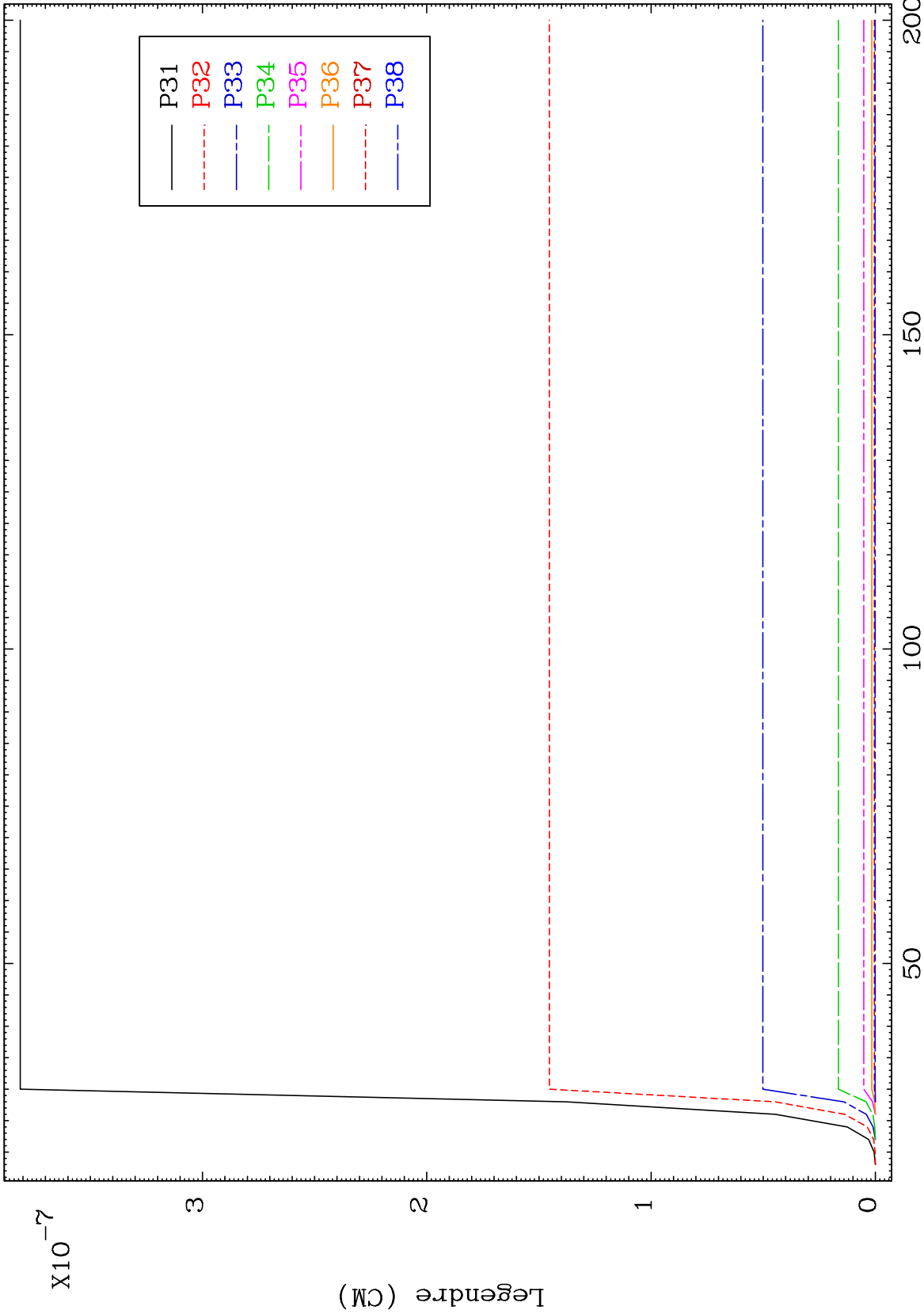
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



66

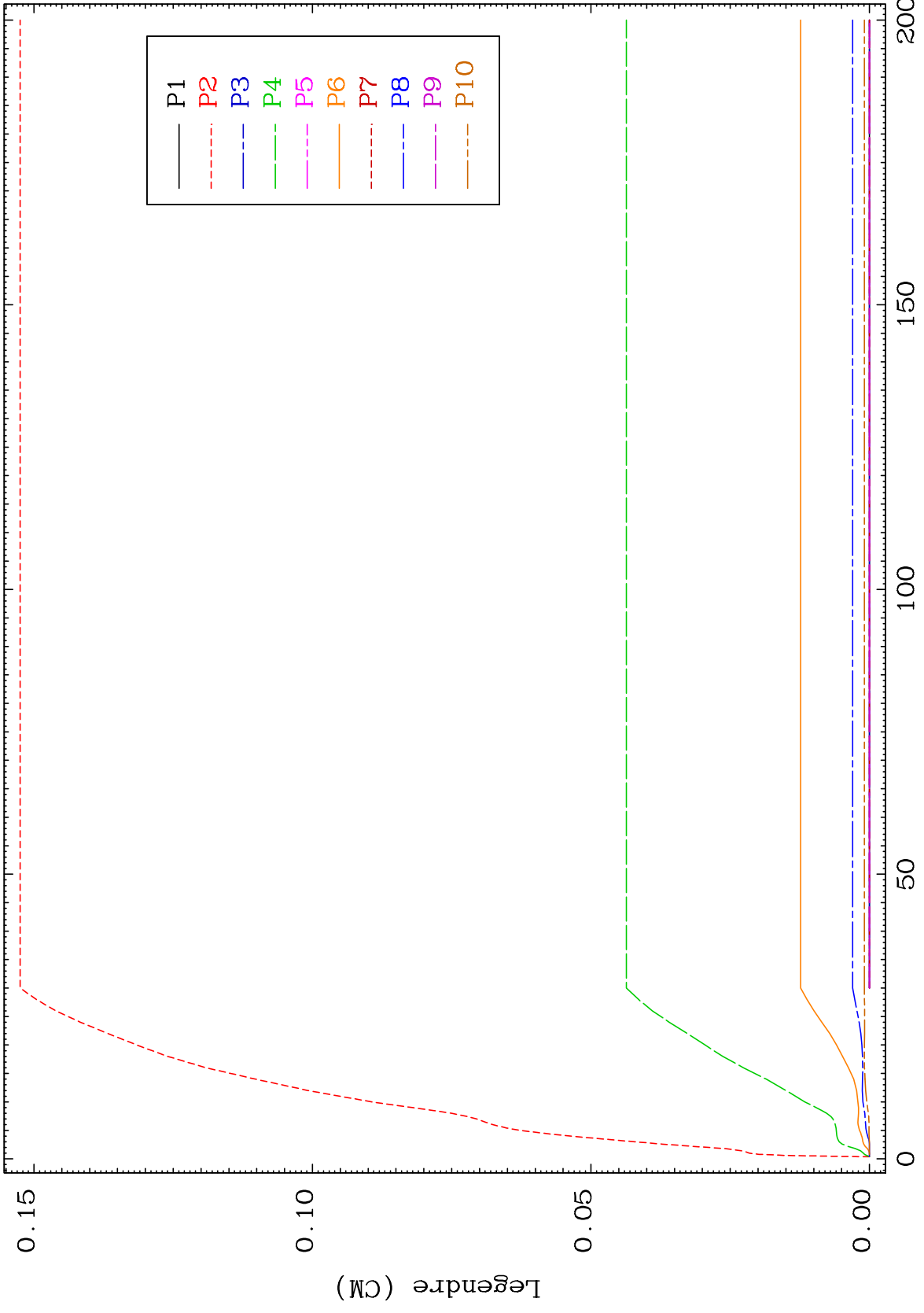
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



67

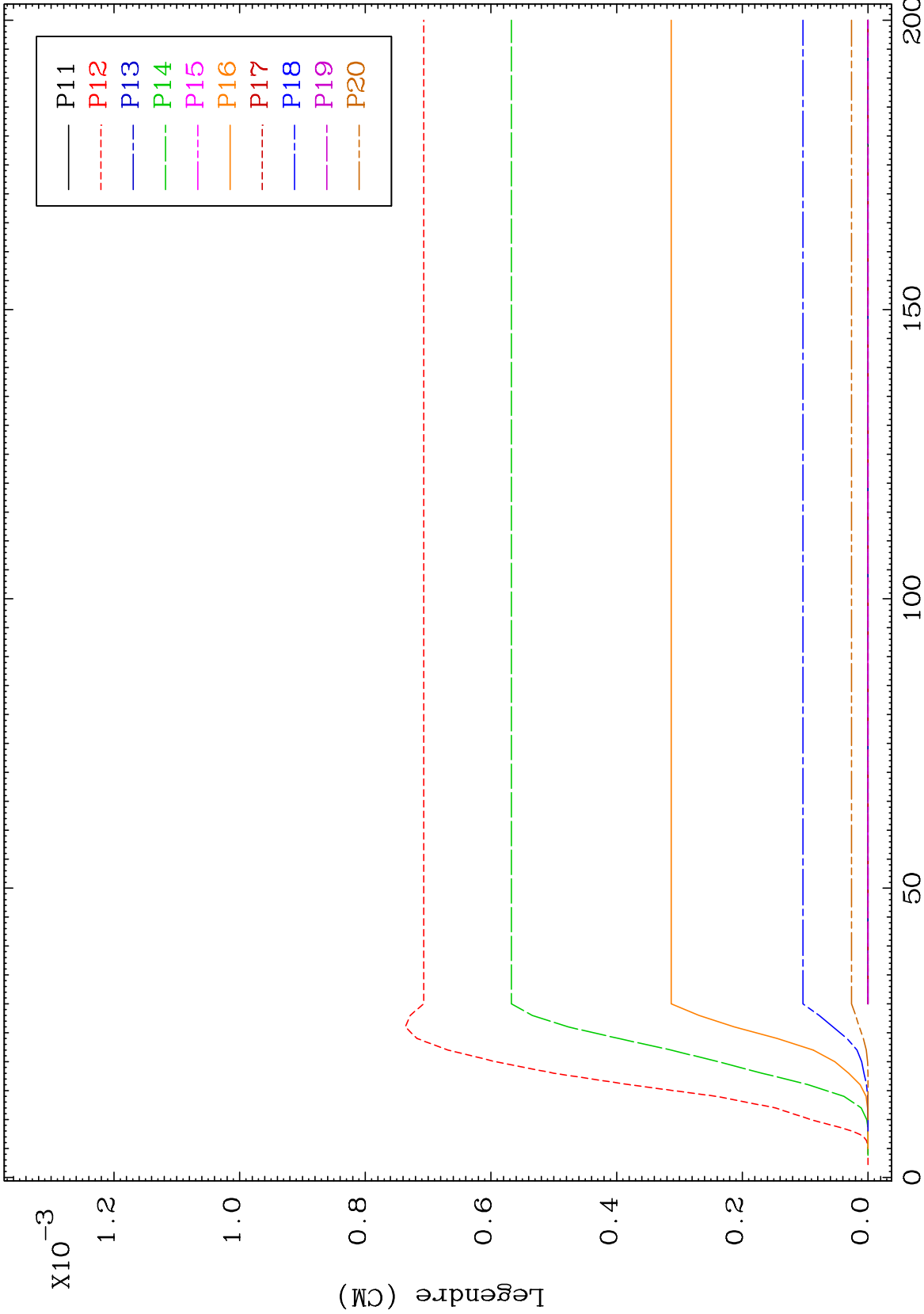
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



68

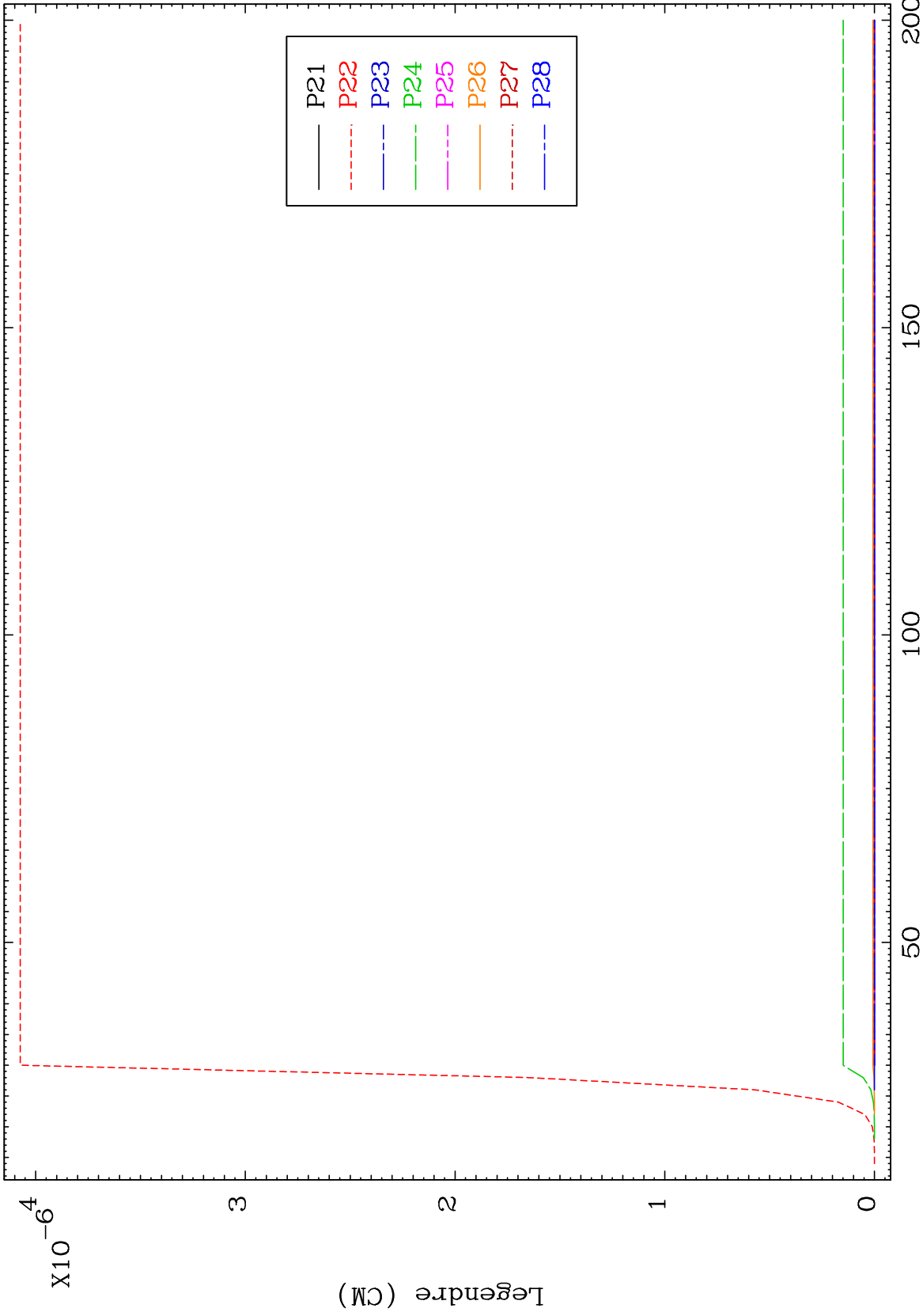
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



69

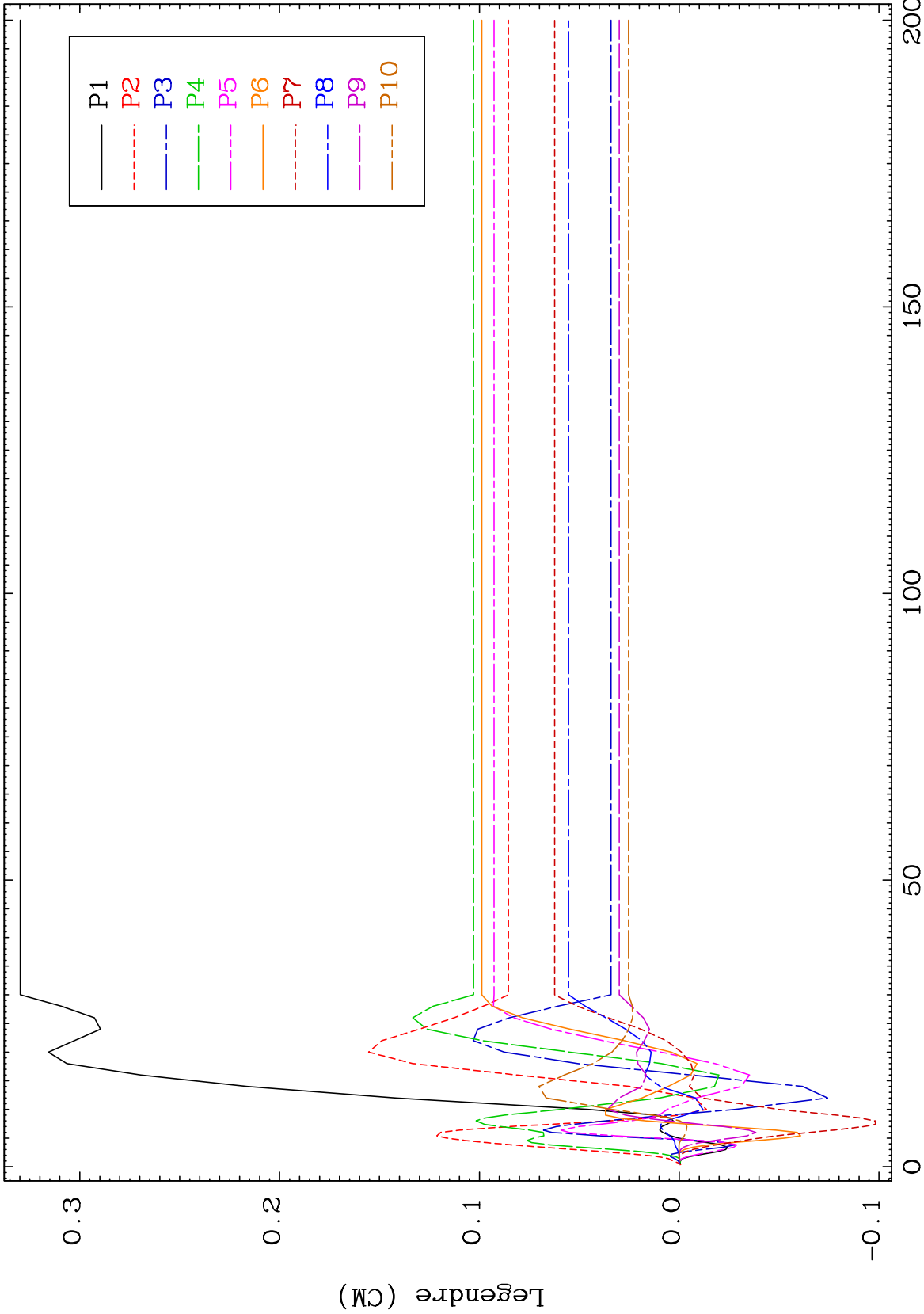
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198

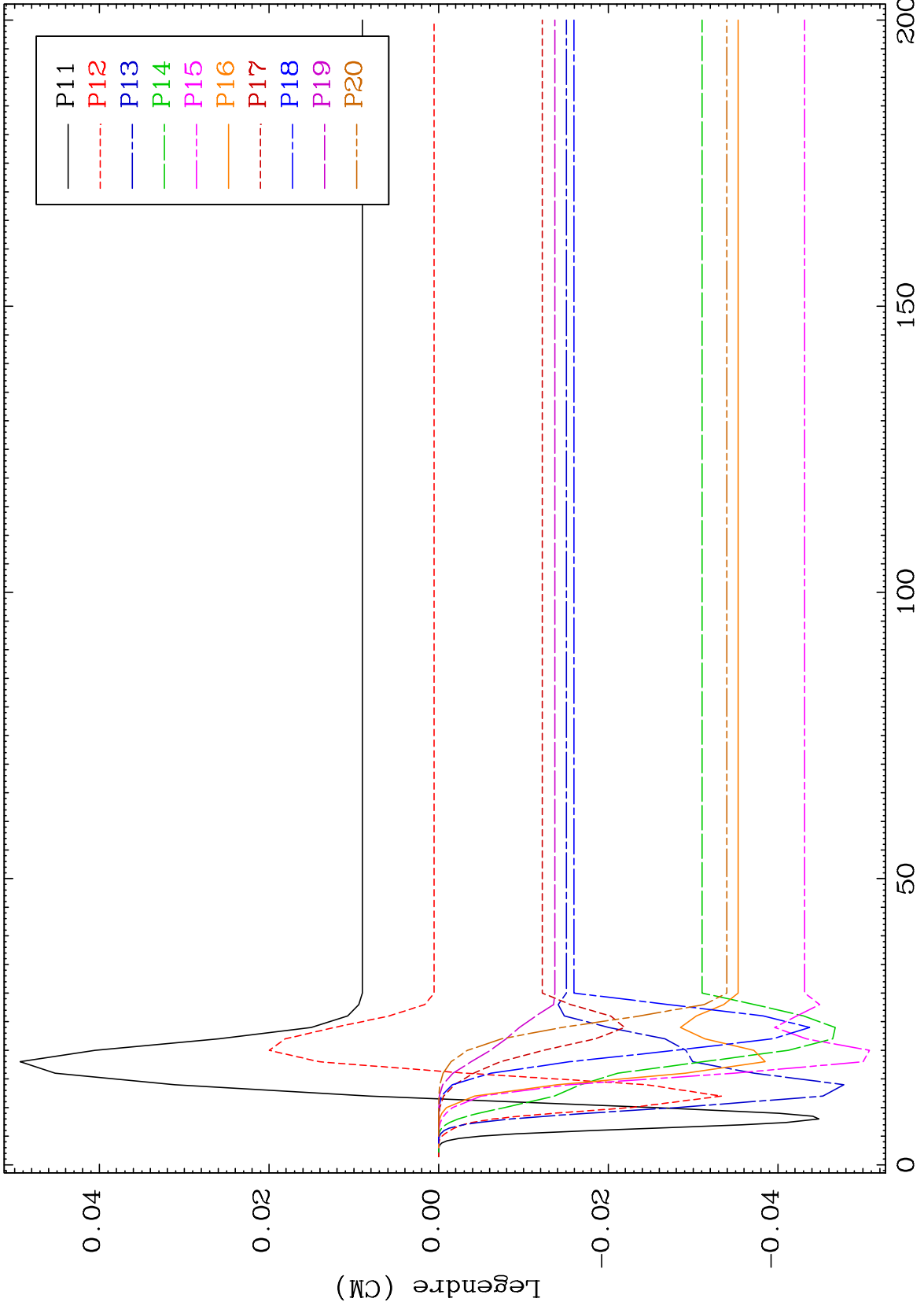


79-Au-198

Incident Energy (MeV)

70

MAT 7928 MT= 65 (n,n') Level Legendre Coefficients 79-Au-198

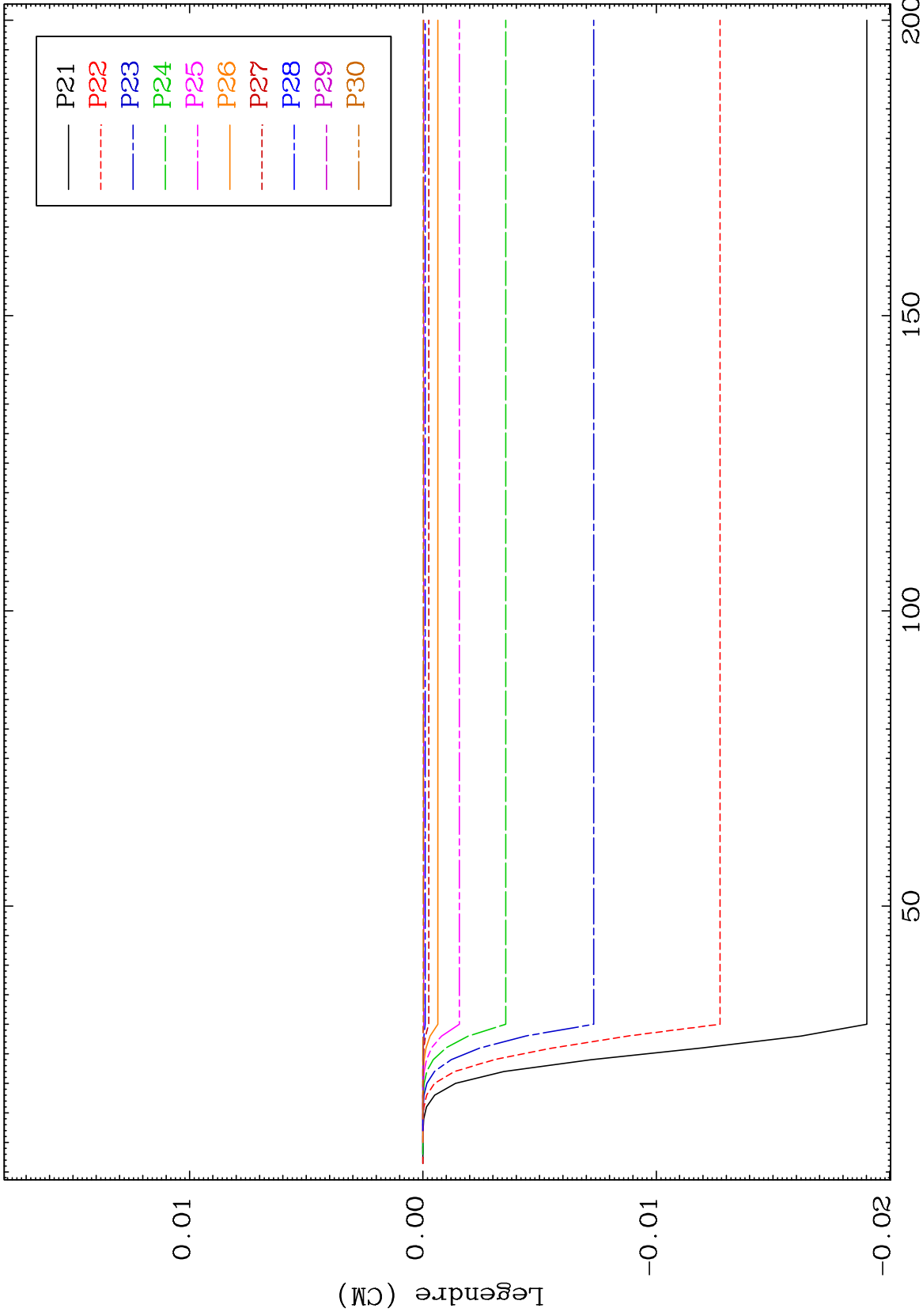


71 79-Au-198

MAT 7928

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

79-Au-198



72

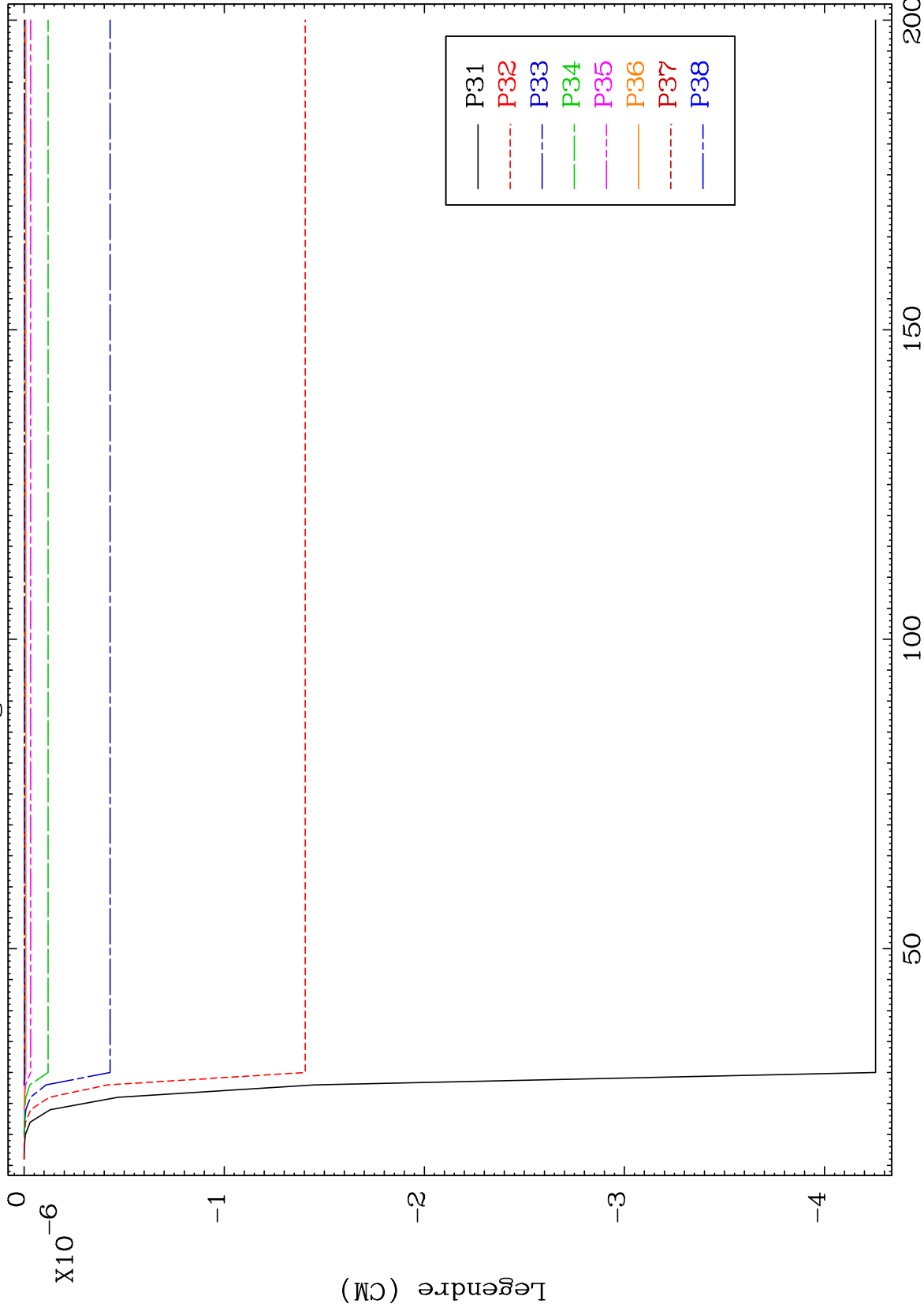
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



79-Au-198

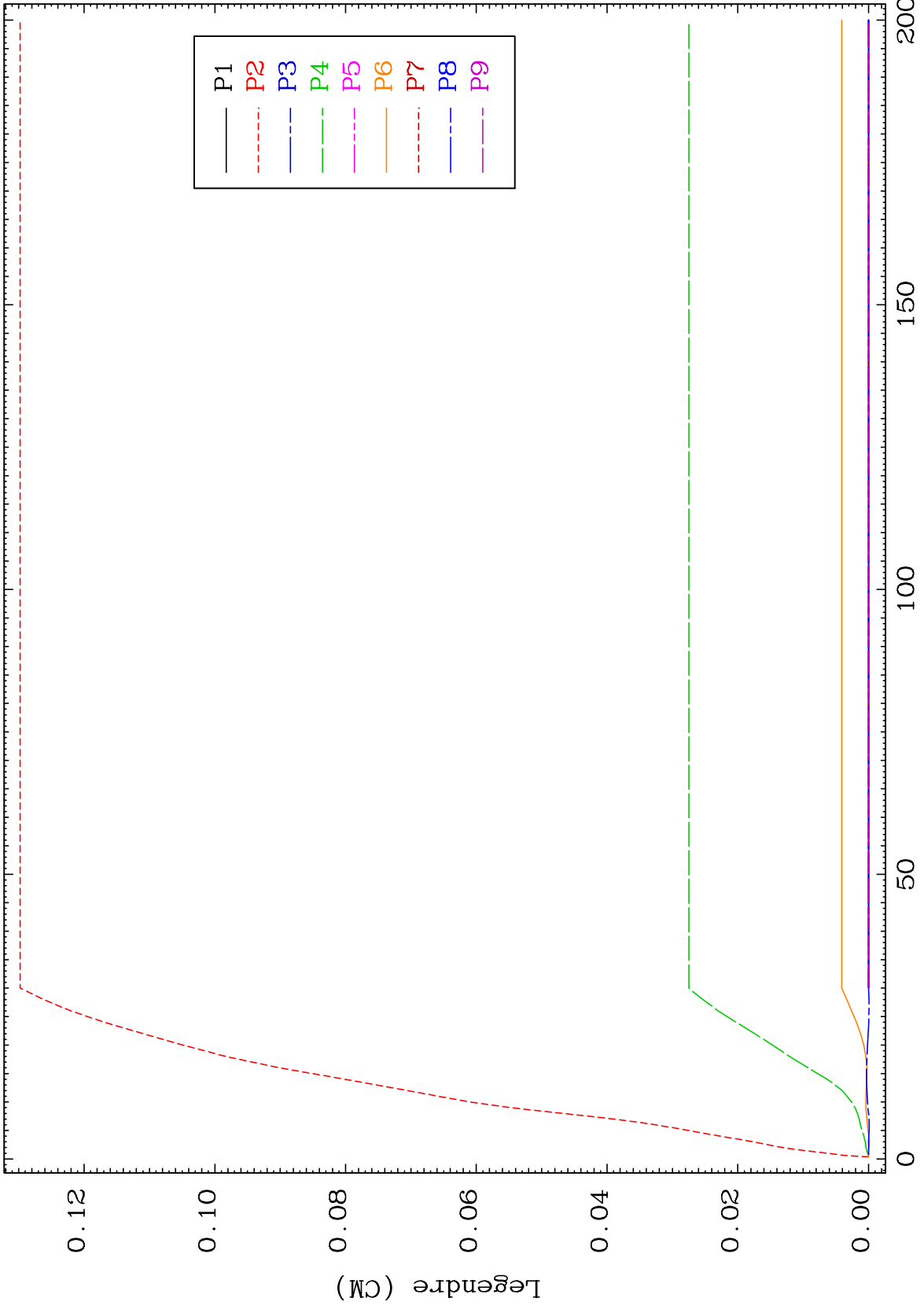
Incident Energy (MeV)

73

MAT 7928

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

79-Au-198



74

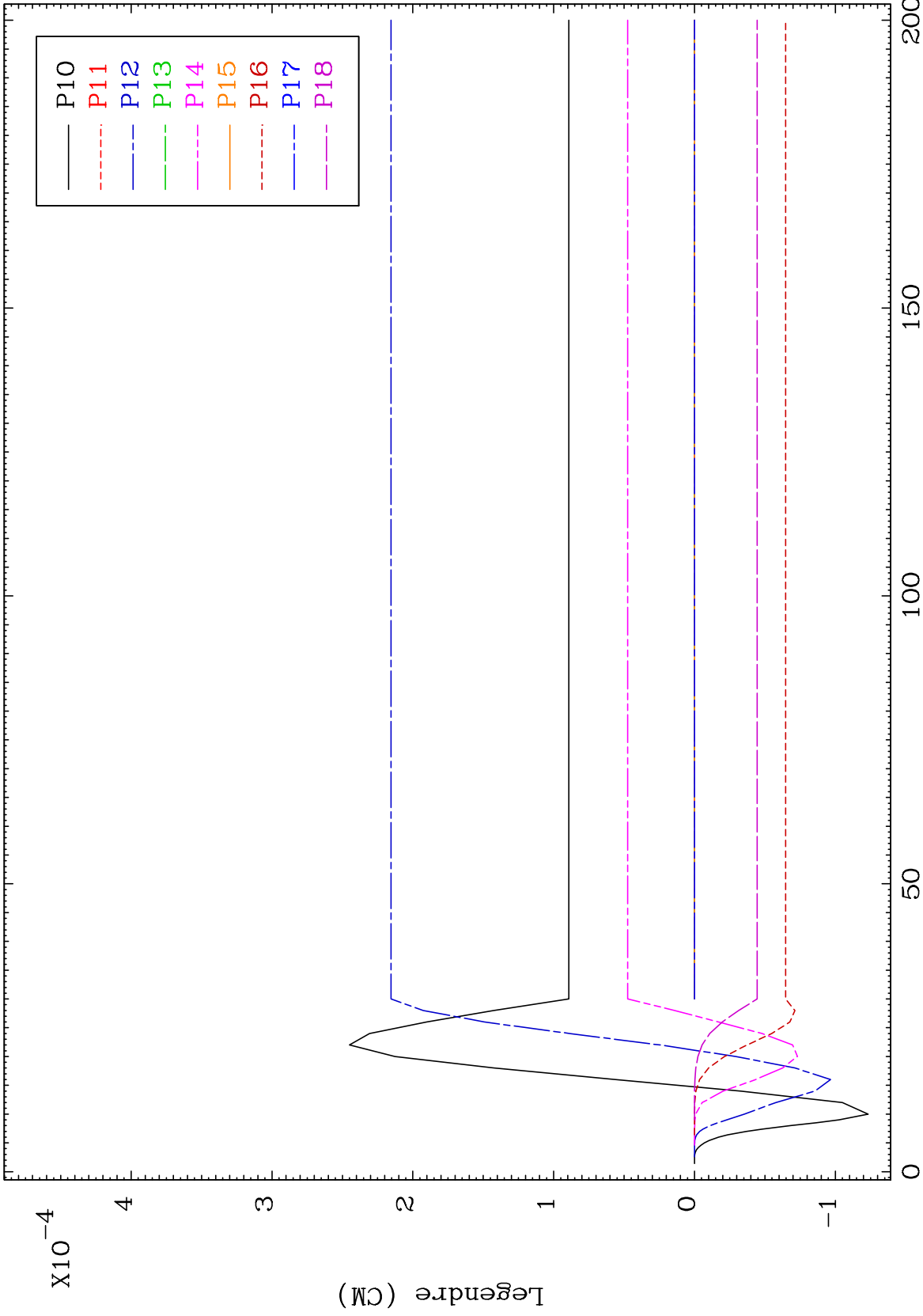
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



75

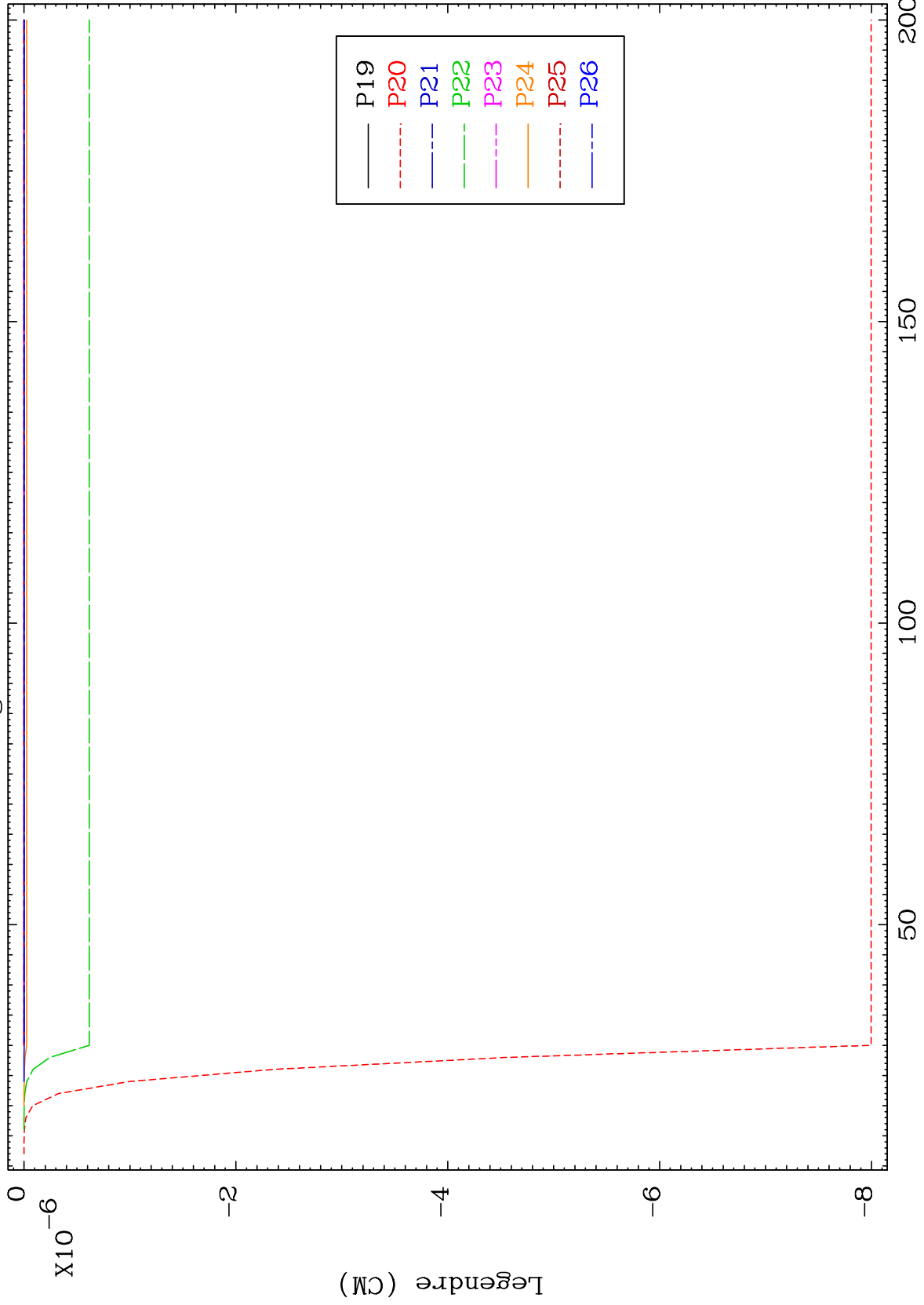
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198

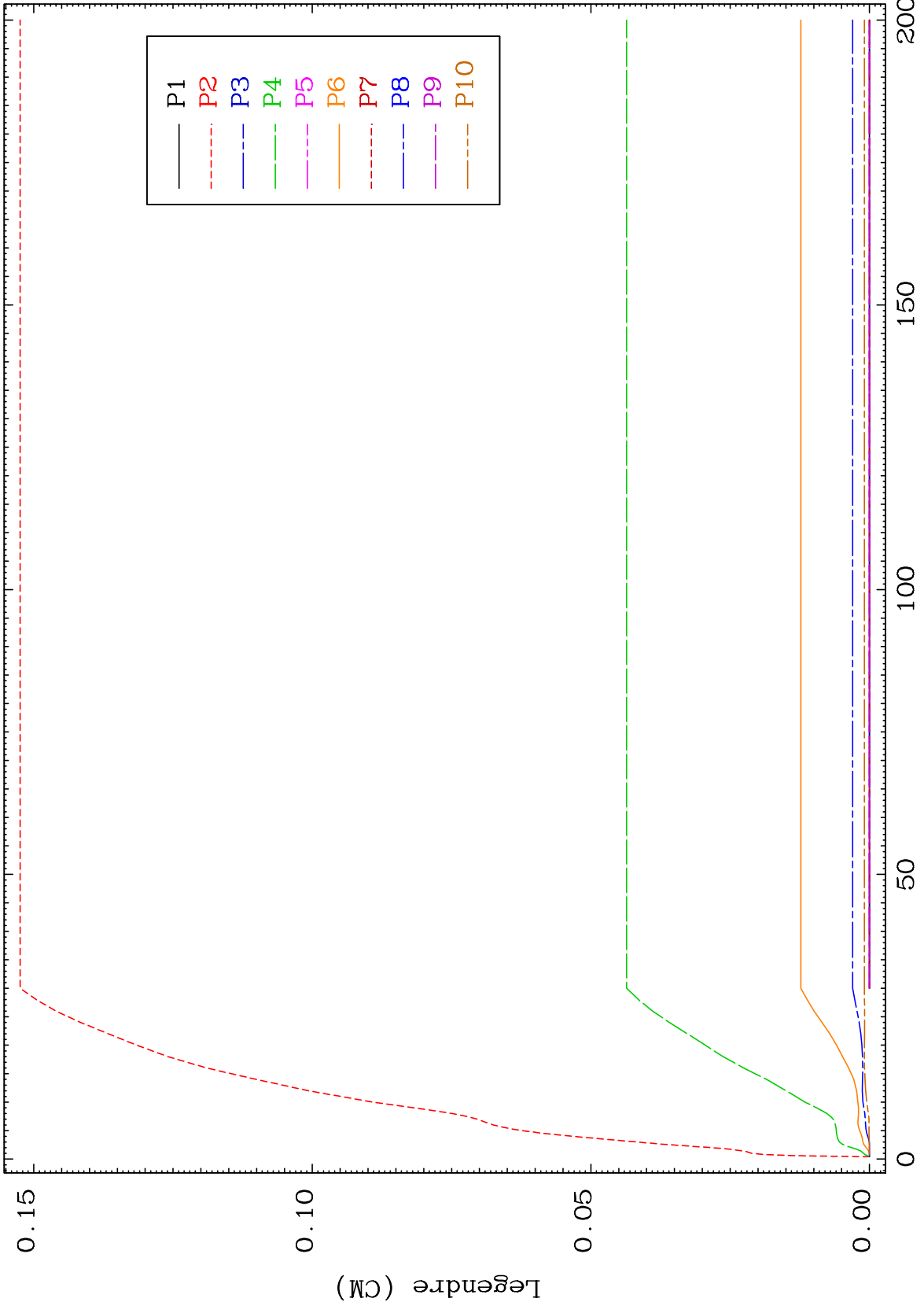


79-Au-198

Incident Energy (MeV)

76

MAT 7928 MT= 67 (n,n') Level Legendre Coefficients 79-Au-198

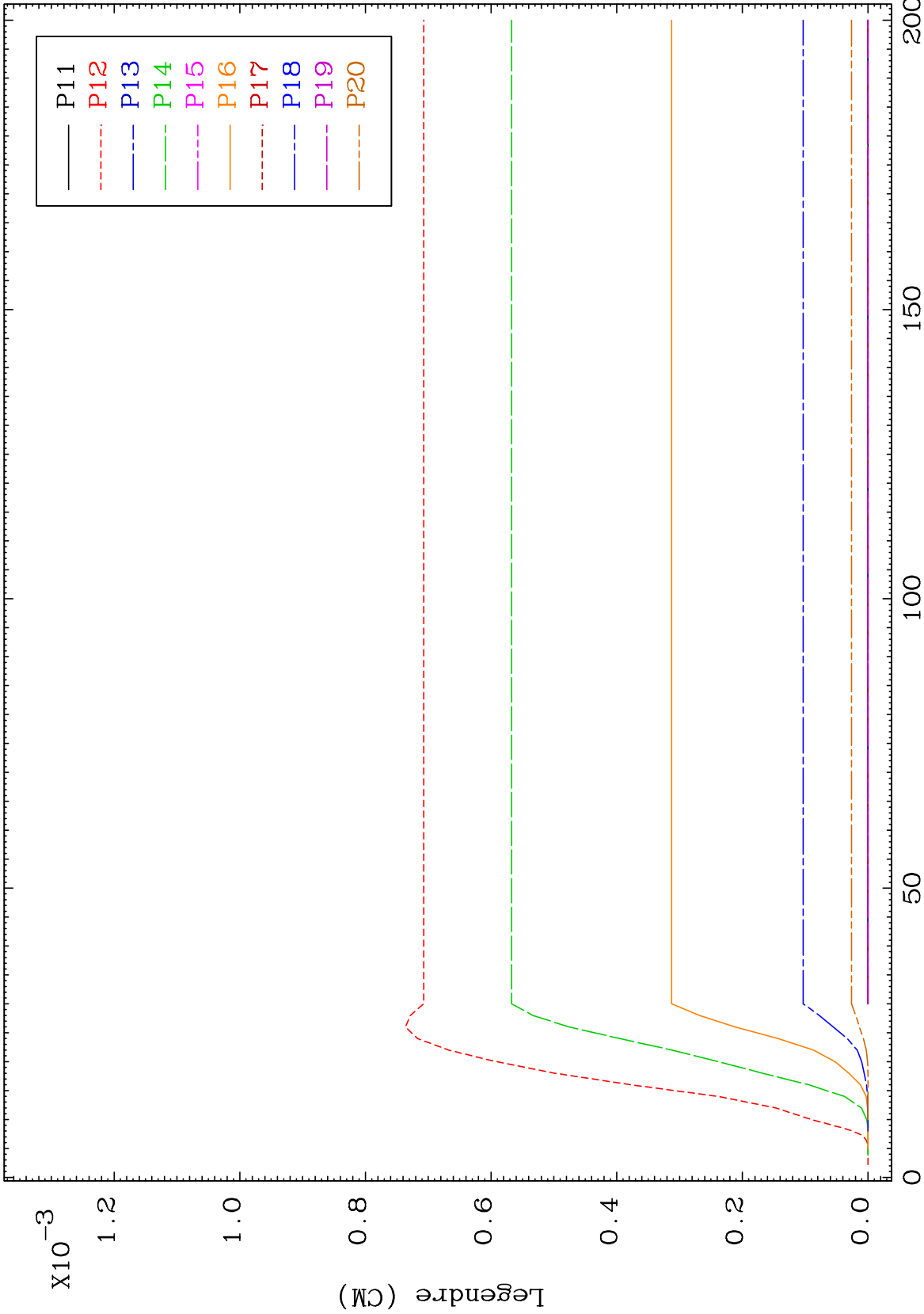


77 79-Au-198

MAT 7928

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

79-Au-198



78

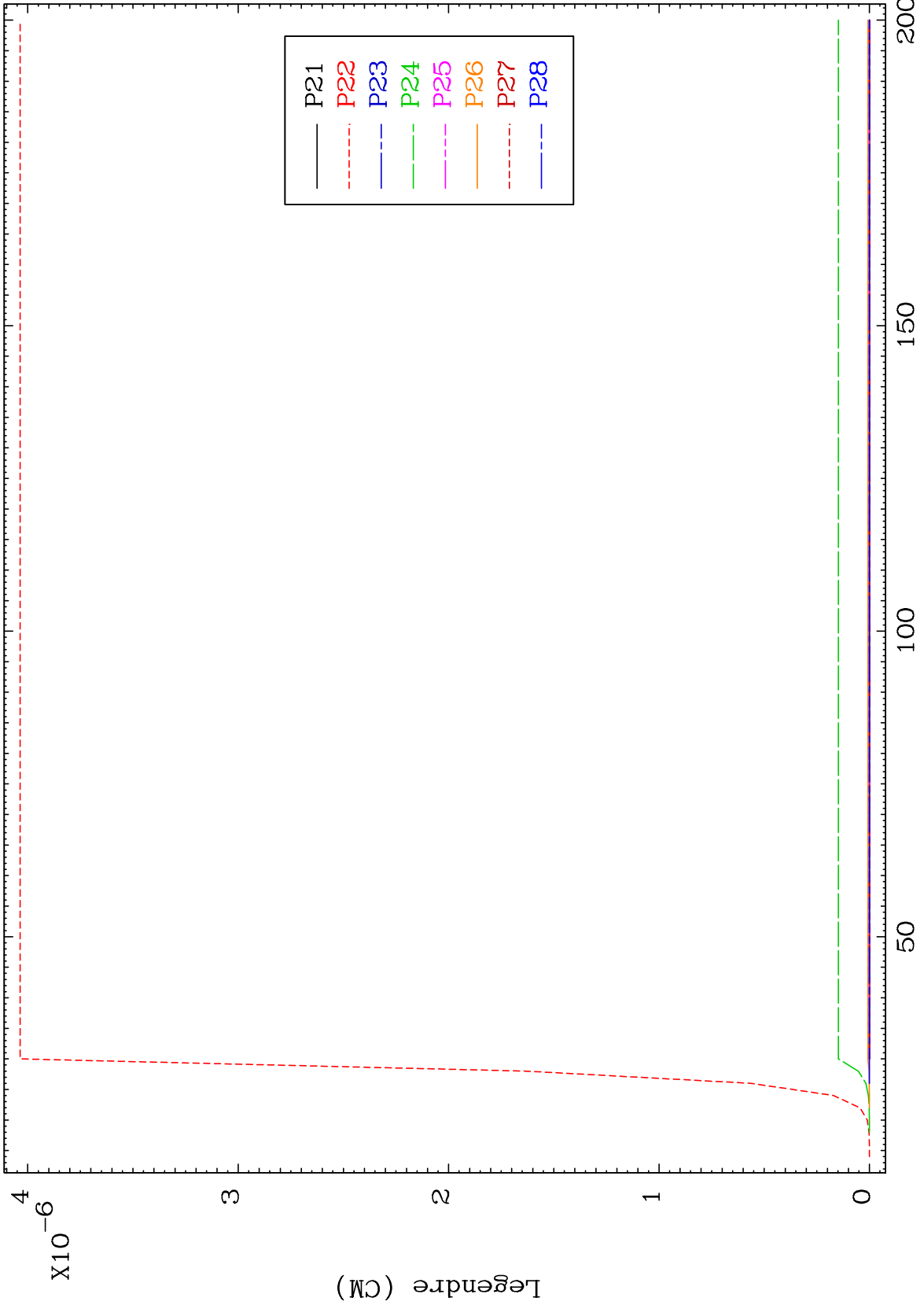
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198

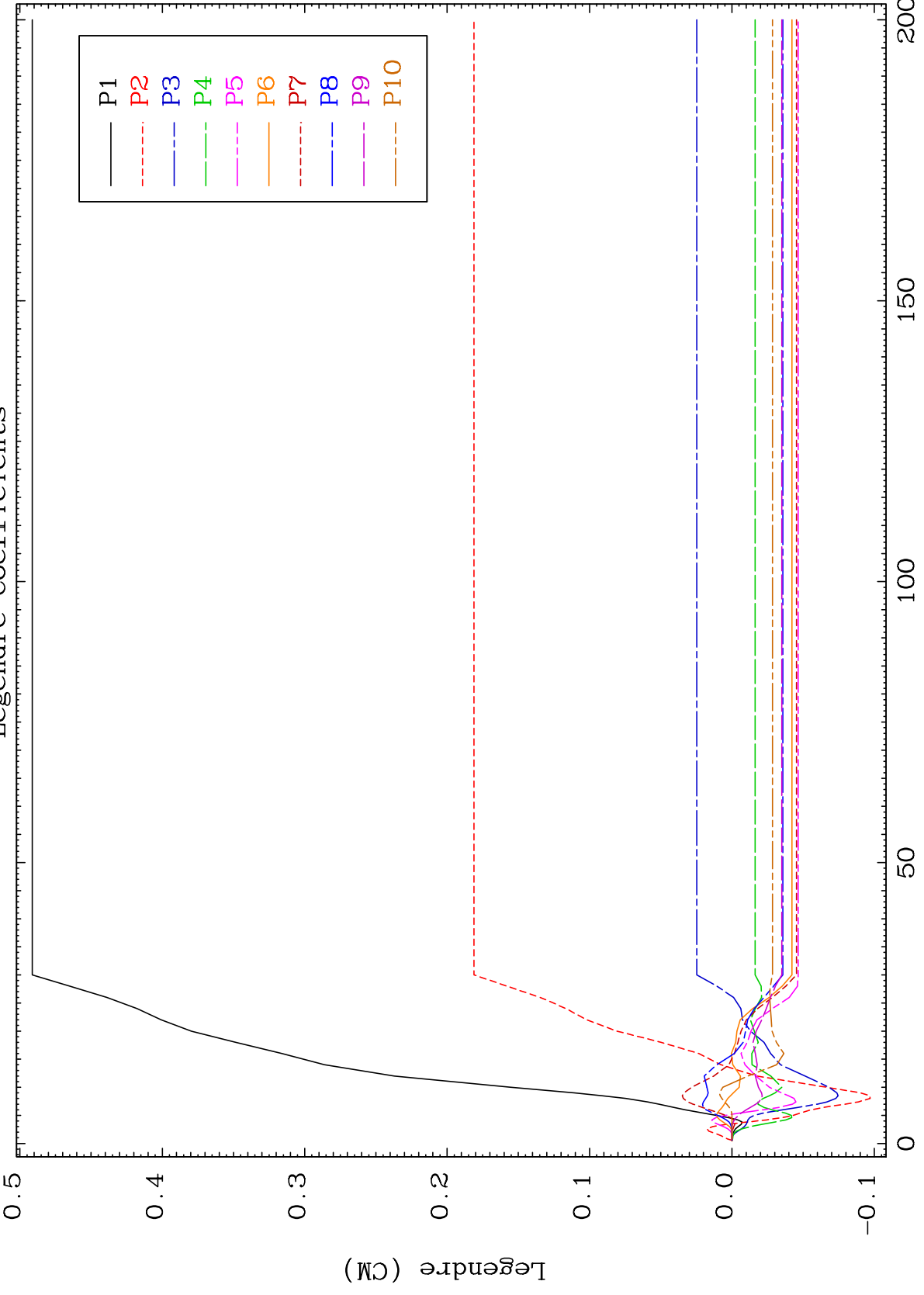


79

Incident Energy (MeV)

79-Au-198

MAT 7928 MT= 68 (n,n') Level Legendre Coefficients 79-Au-198

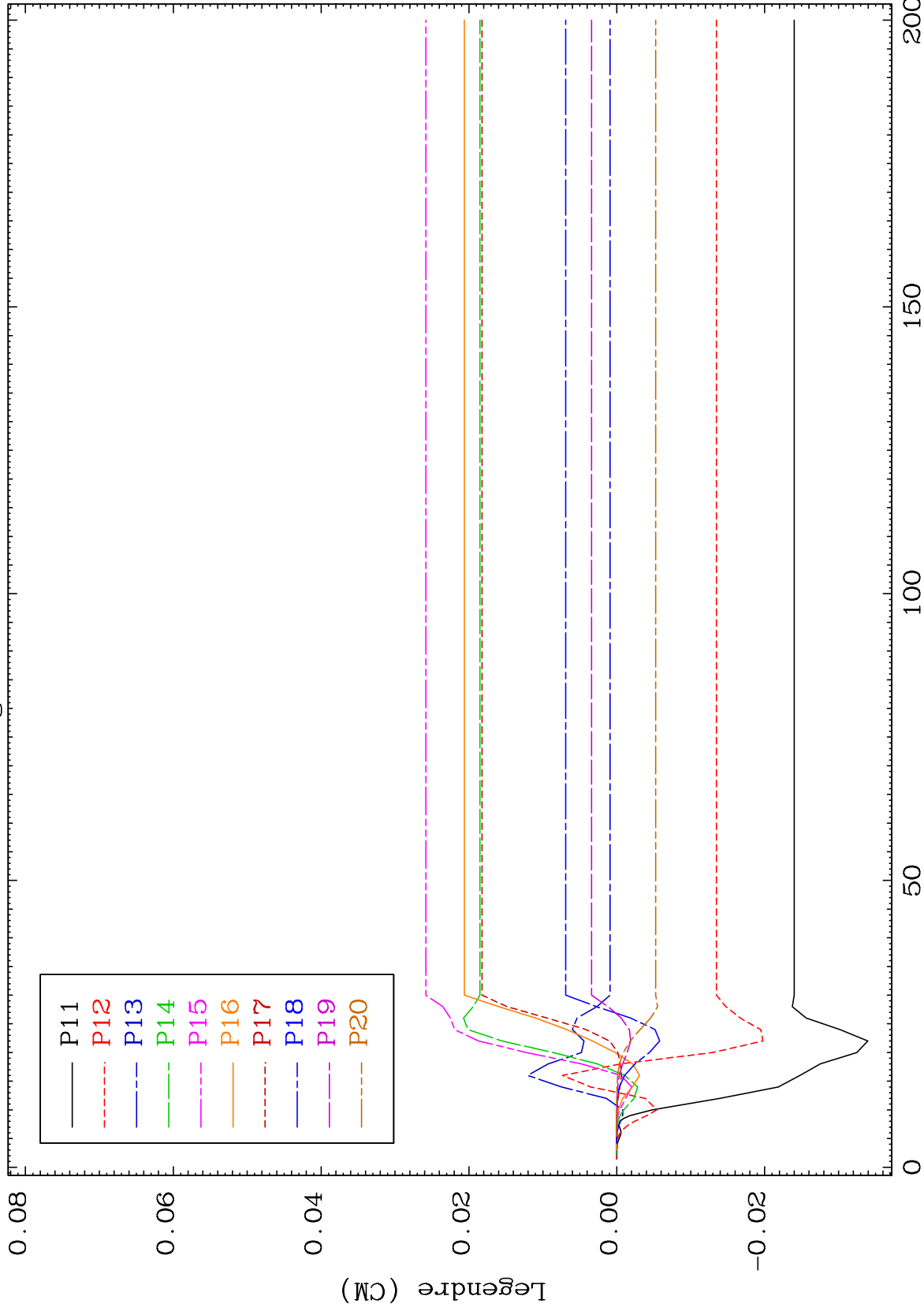


80 100 150 200 79-Au-198

MAT 7928

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

79-Au-198

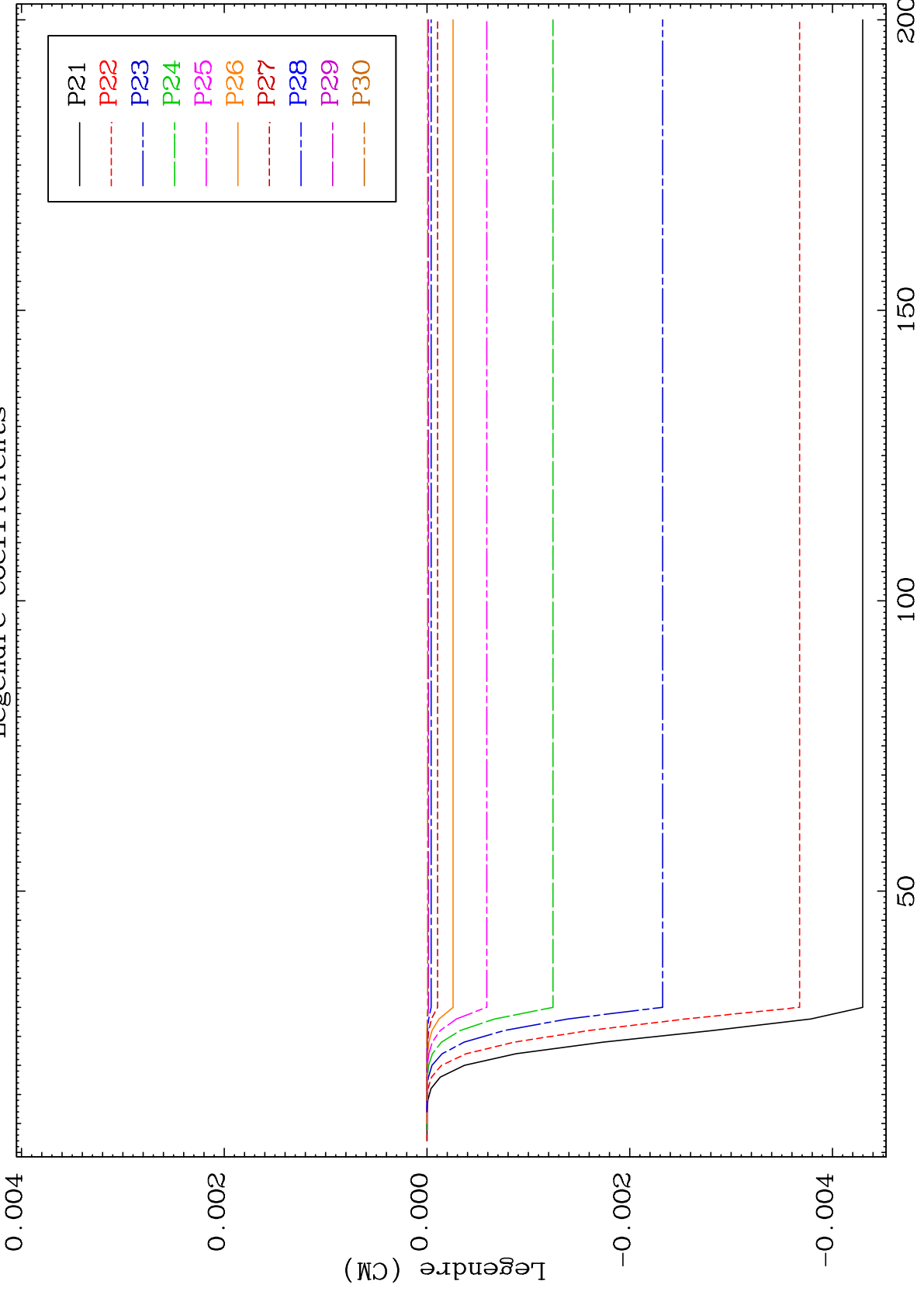


81

Incident Energy (MeV)

79-Au-198

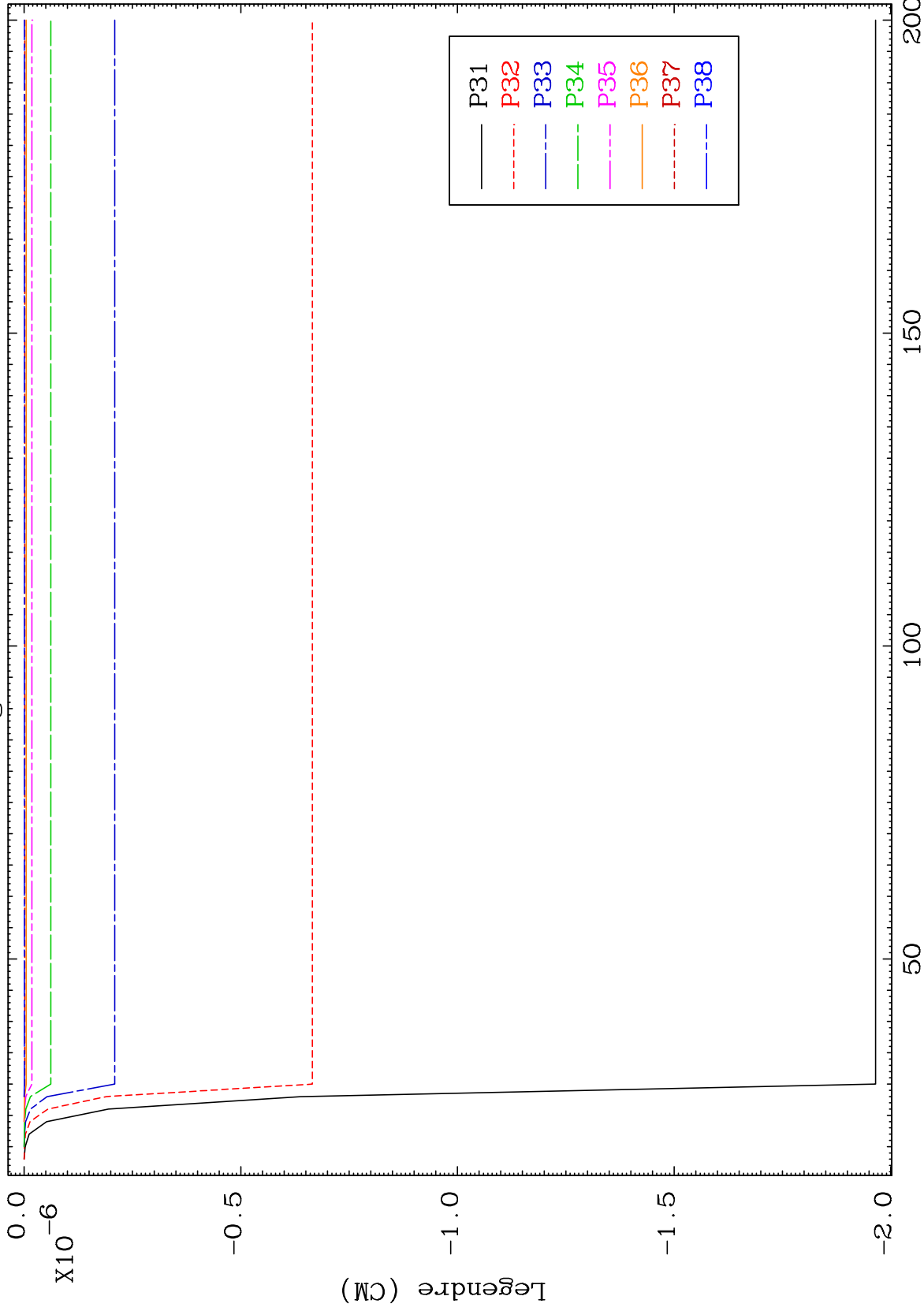
MAT 7928 MT= 68 (n,n') Level Legendre Coefficients 79-Au-198



MAT 7928

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

79-Au-198



83

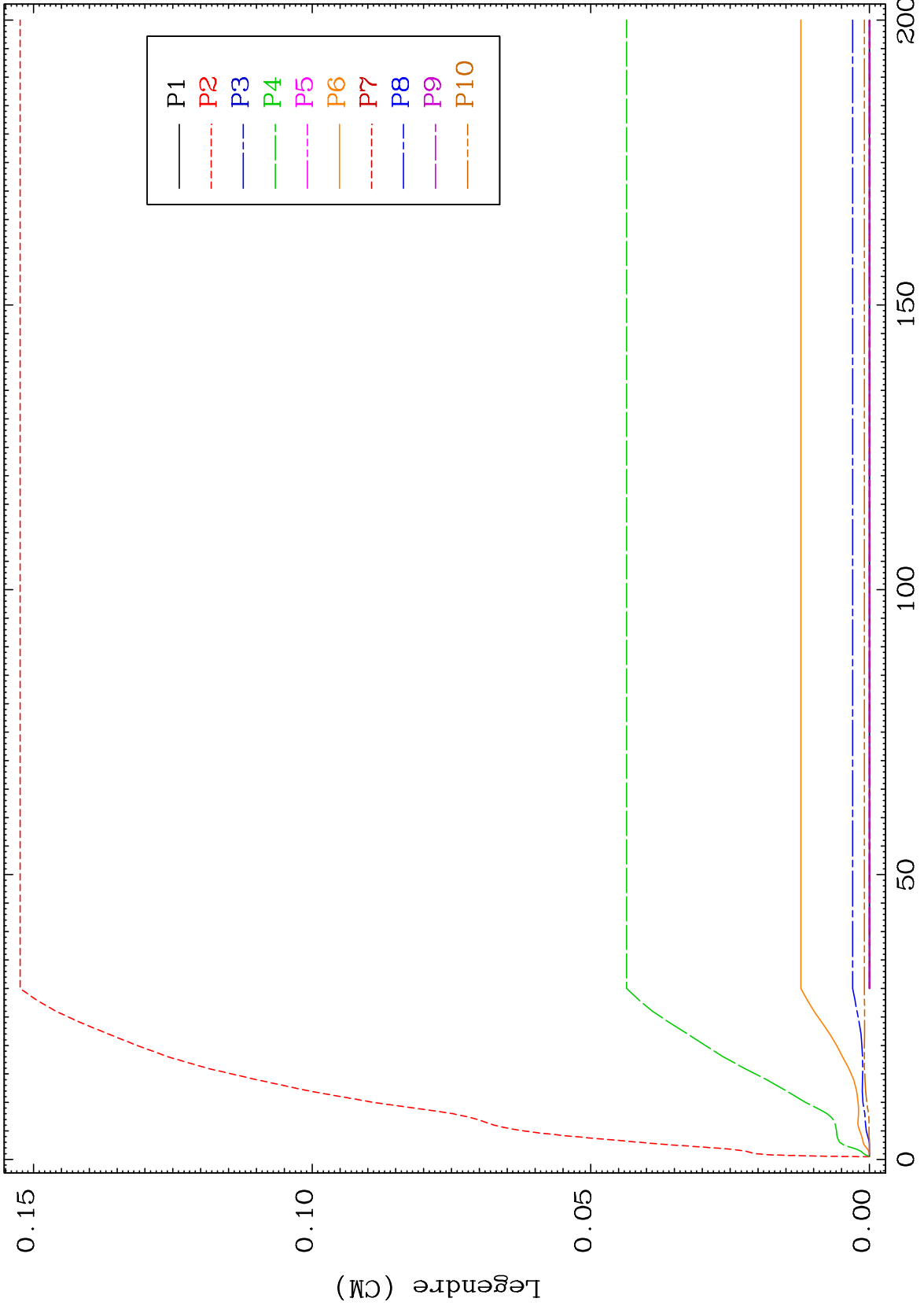
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



84

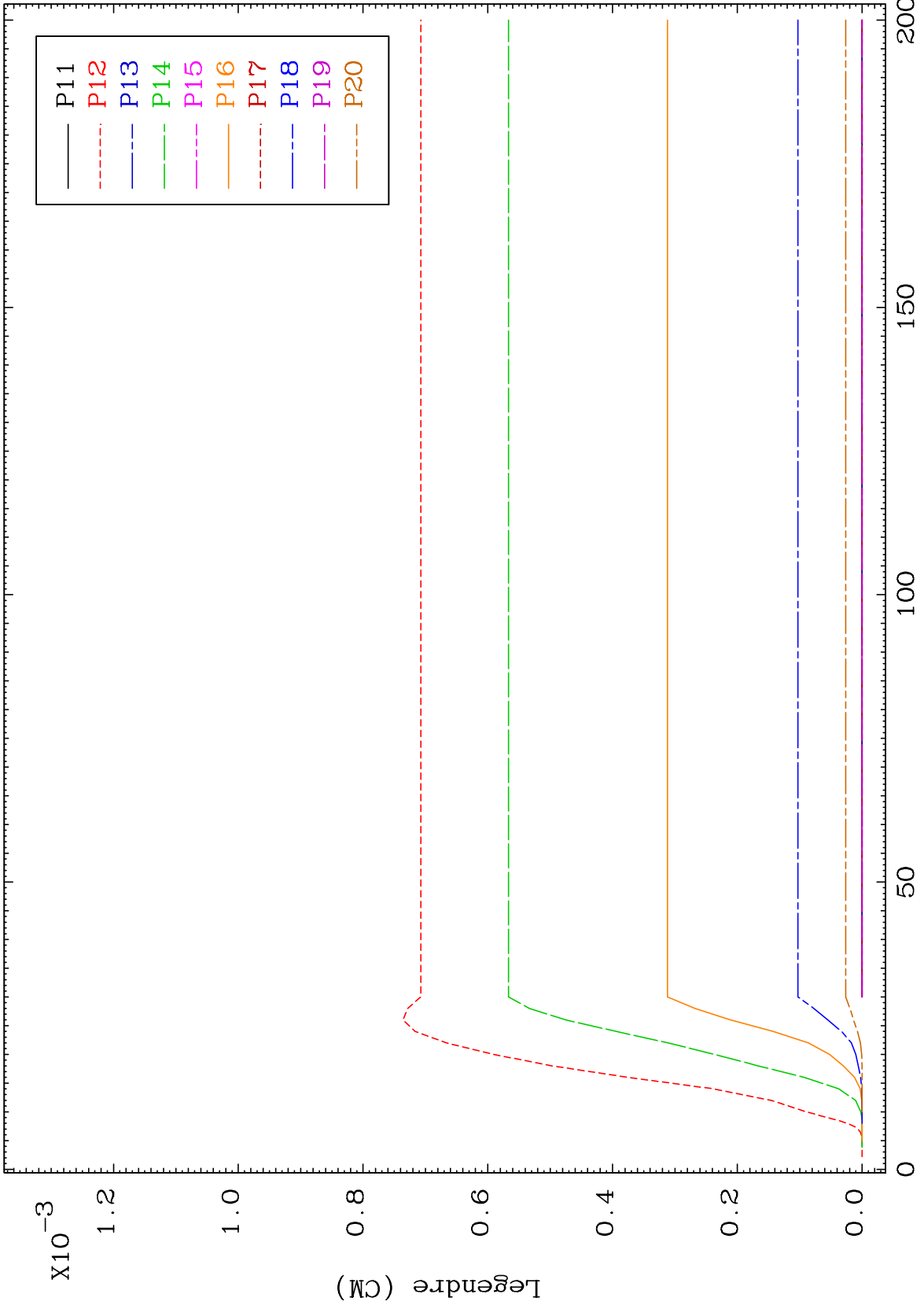
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



85

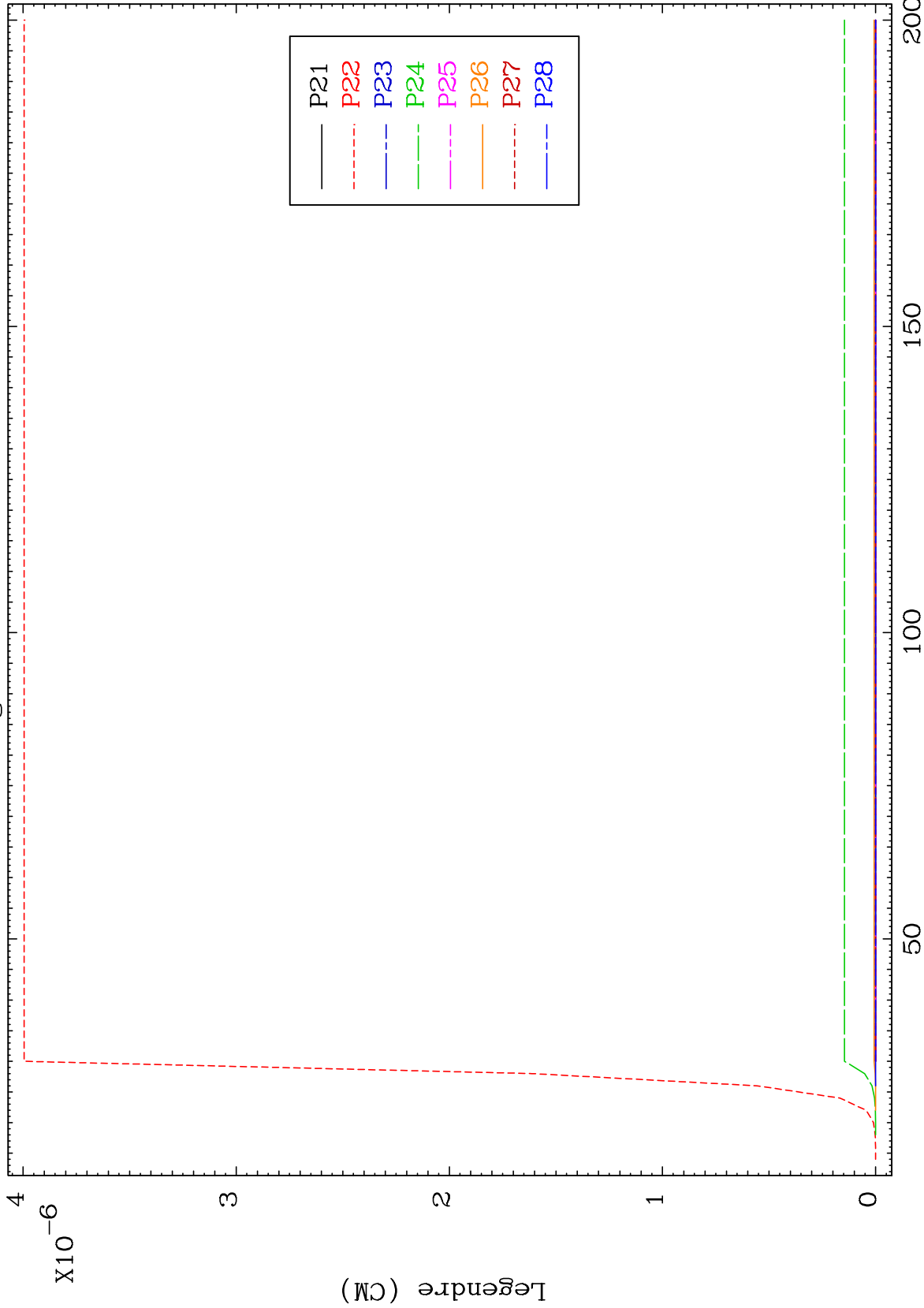
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



86

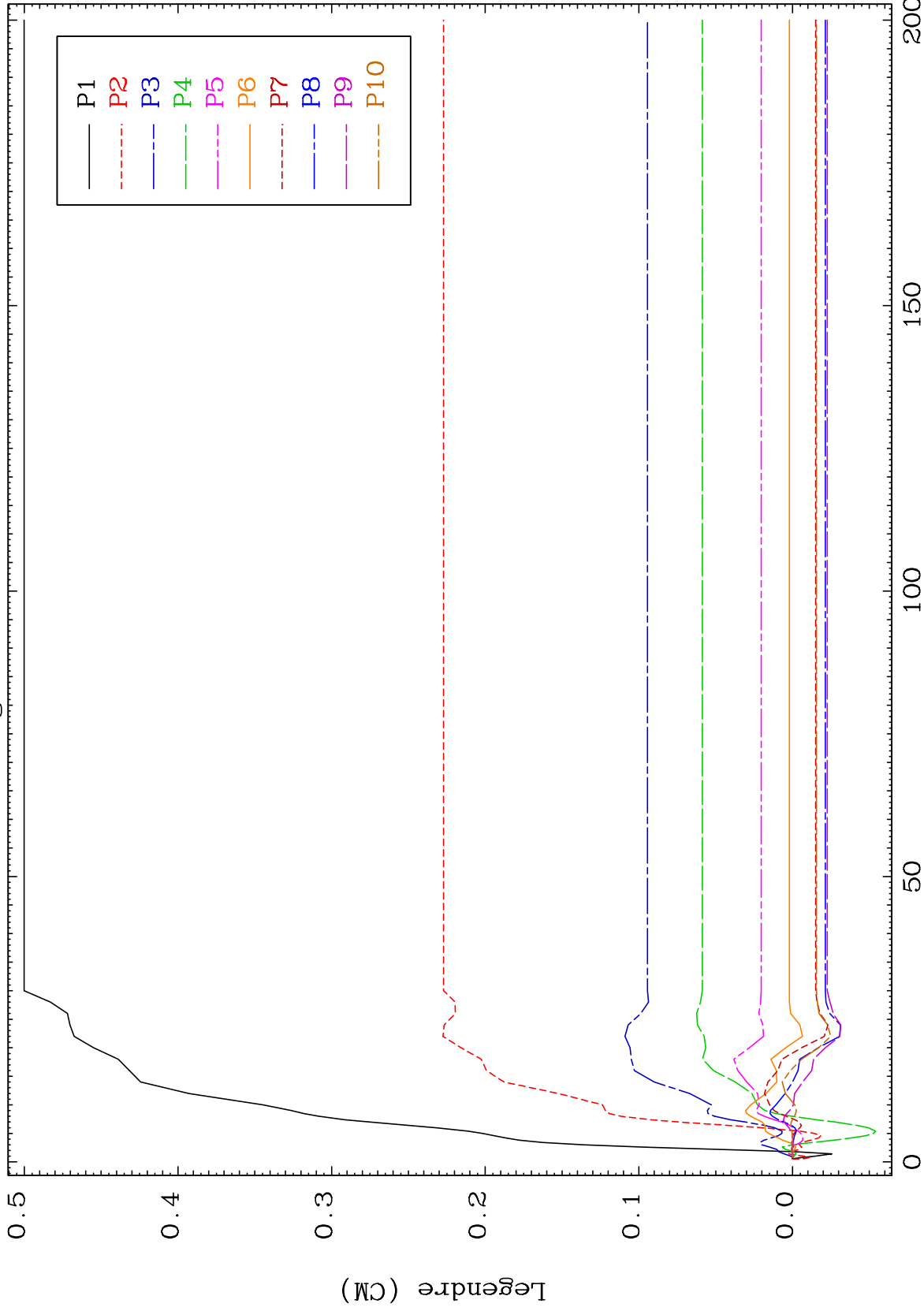
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



87

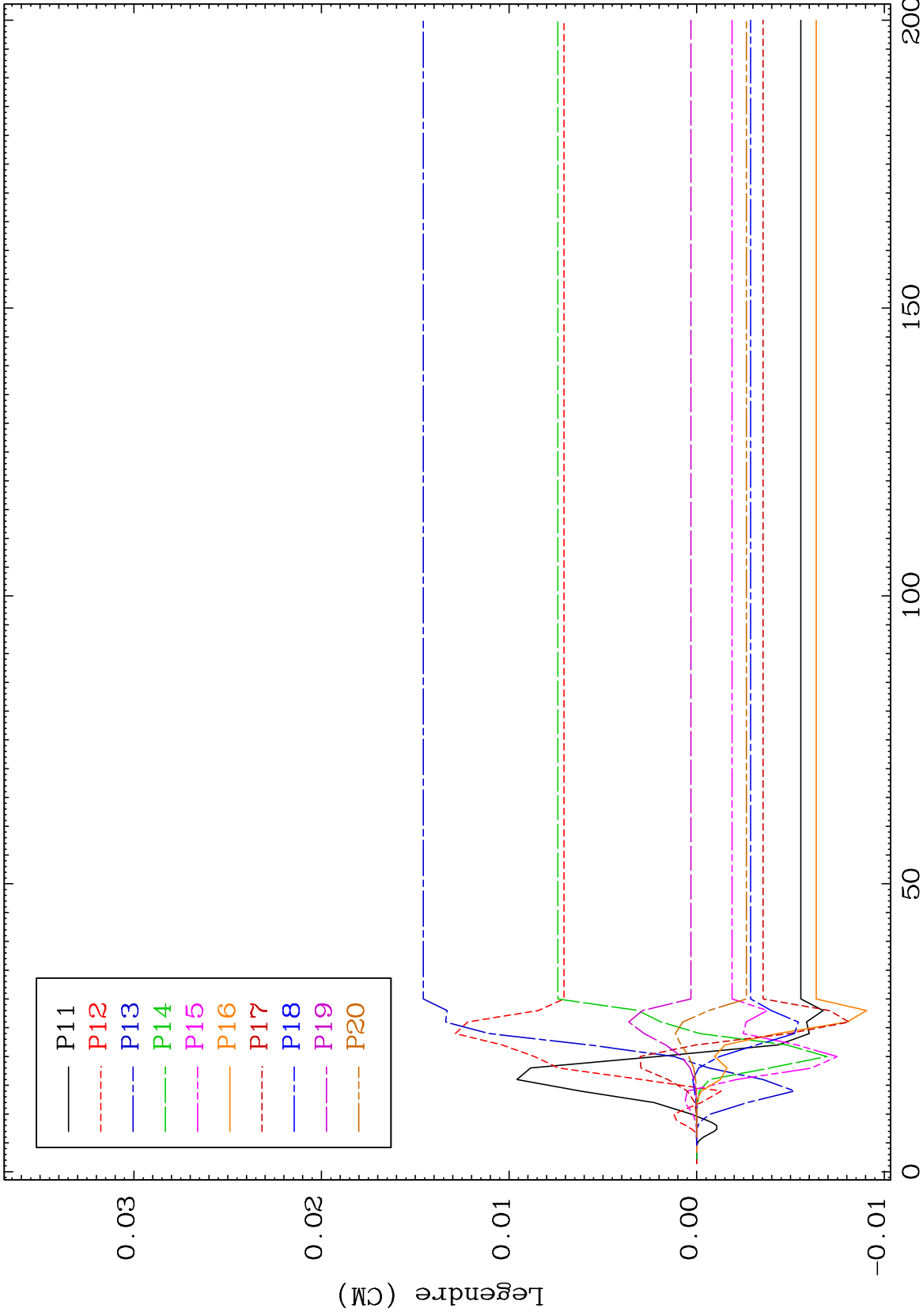
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



88

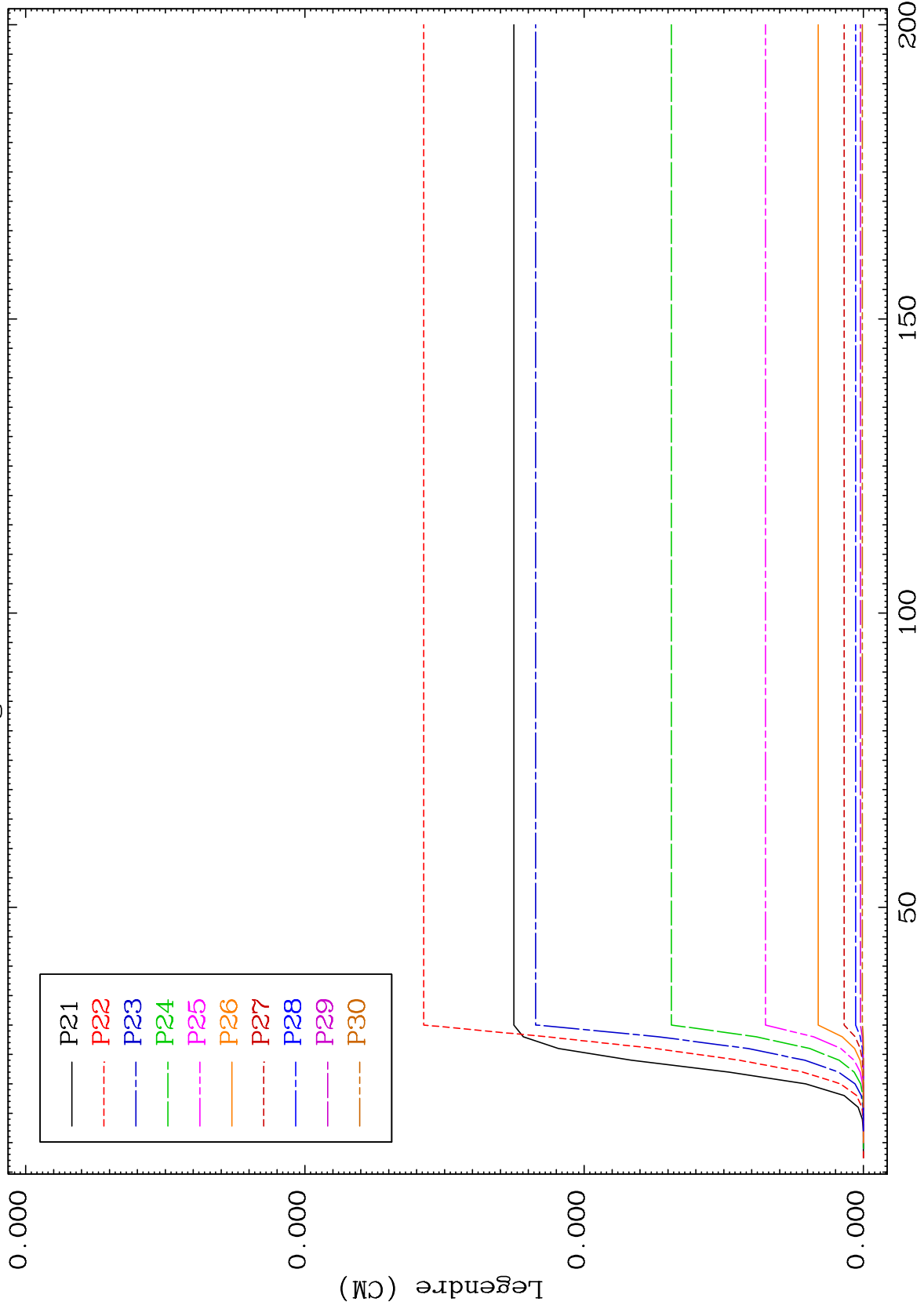
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



89

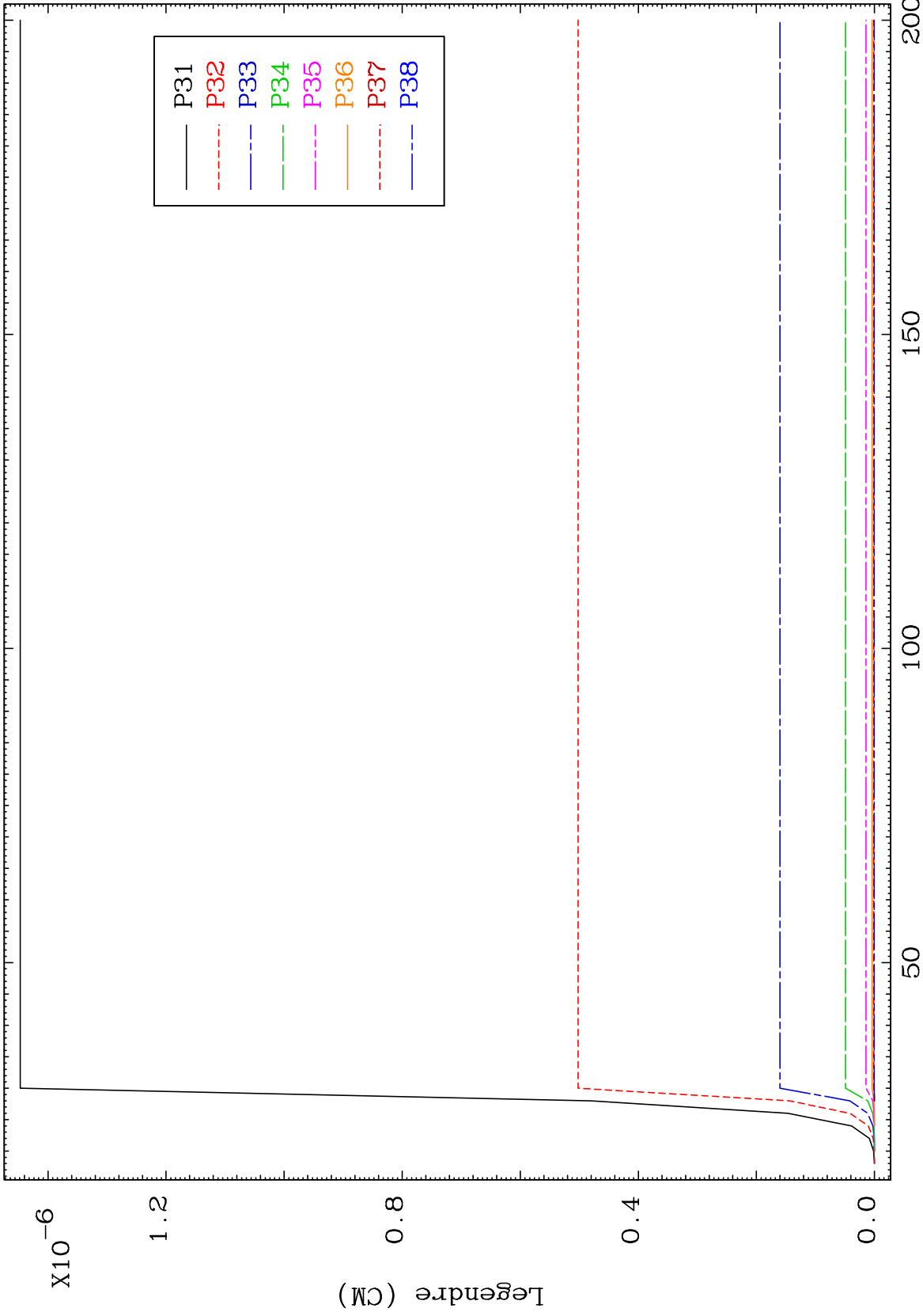
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



90

Incident Energy (MeV)

150

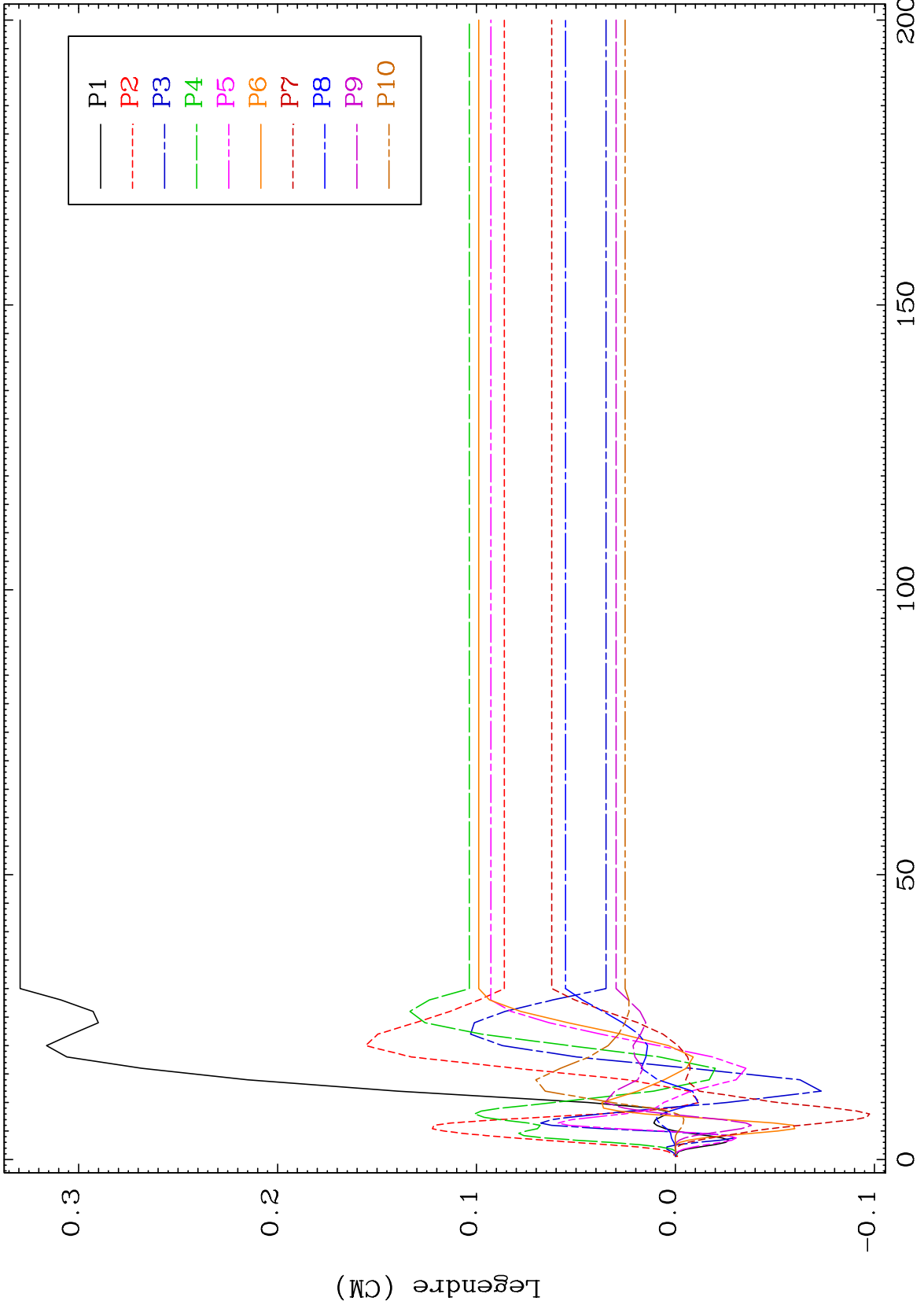
79-Au-198

200

MAT 7928

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

79-Au-198

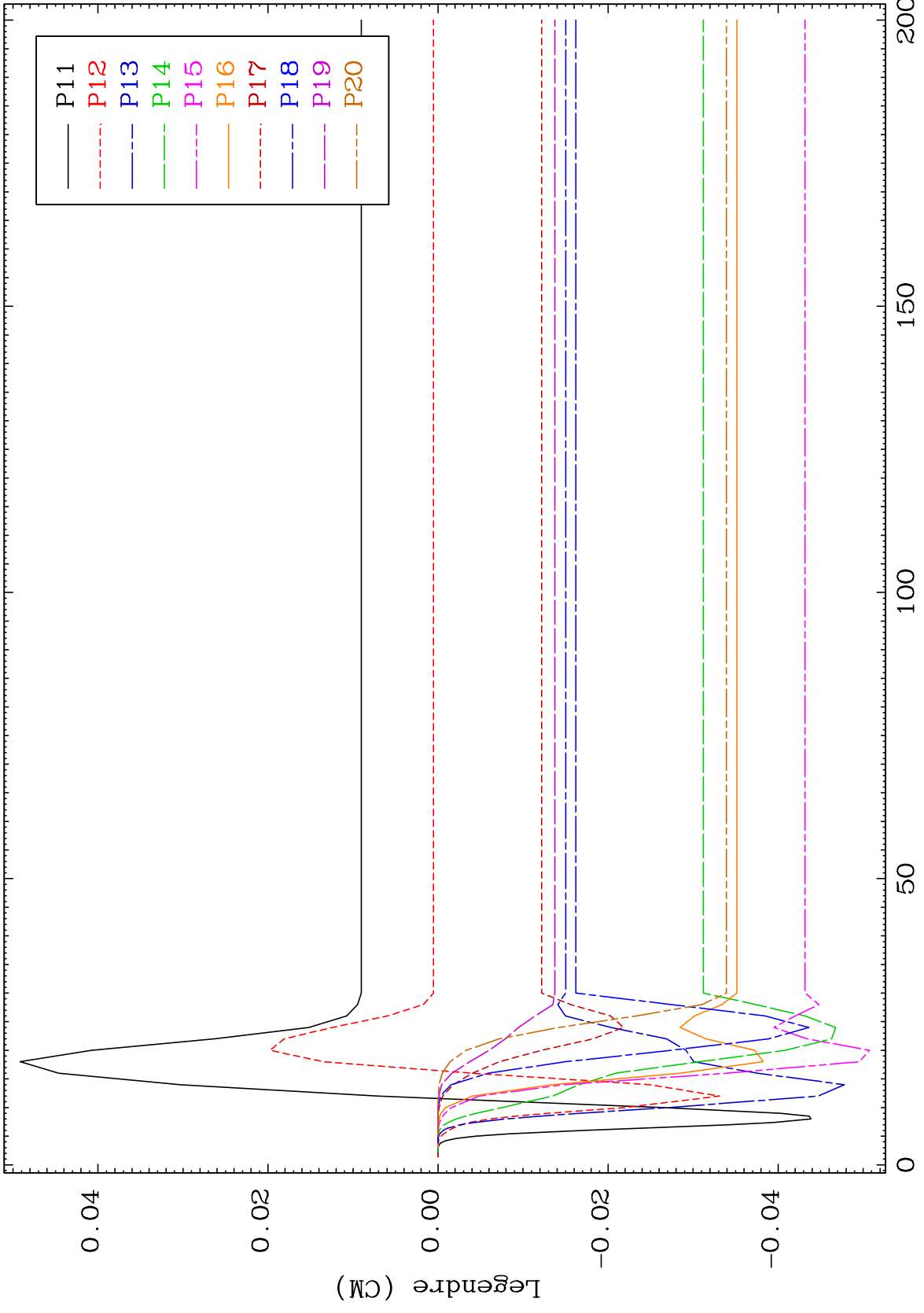


91

Incident Energy (MeV)

79-Au-198

MAT 7928 MT= 71 (n,n') Level Legendre Coefficients 79-Au-198

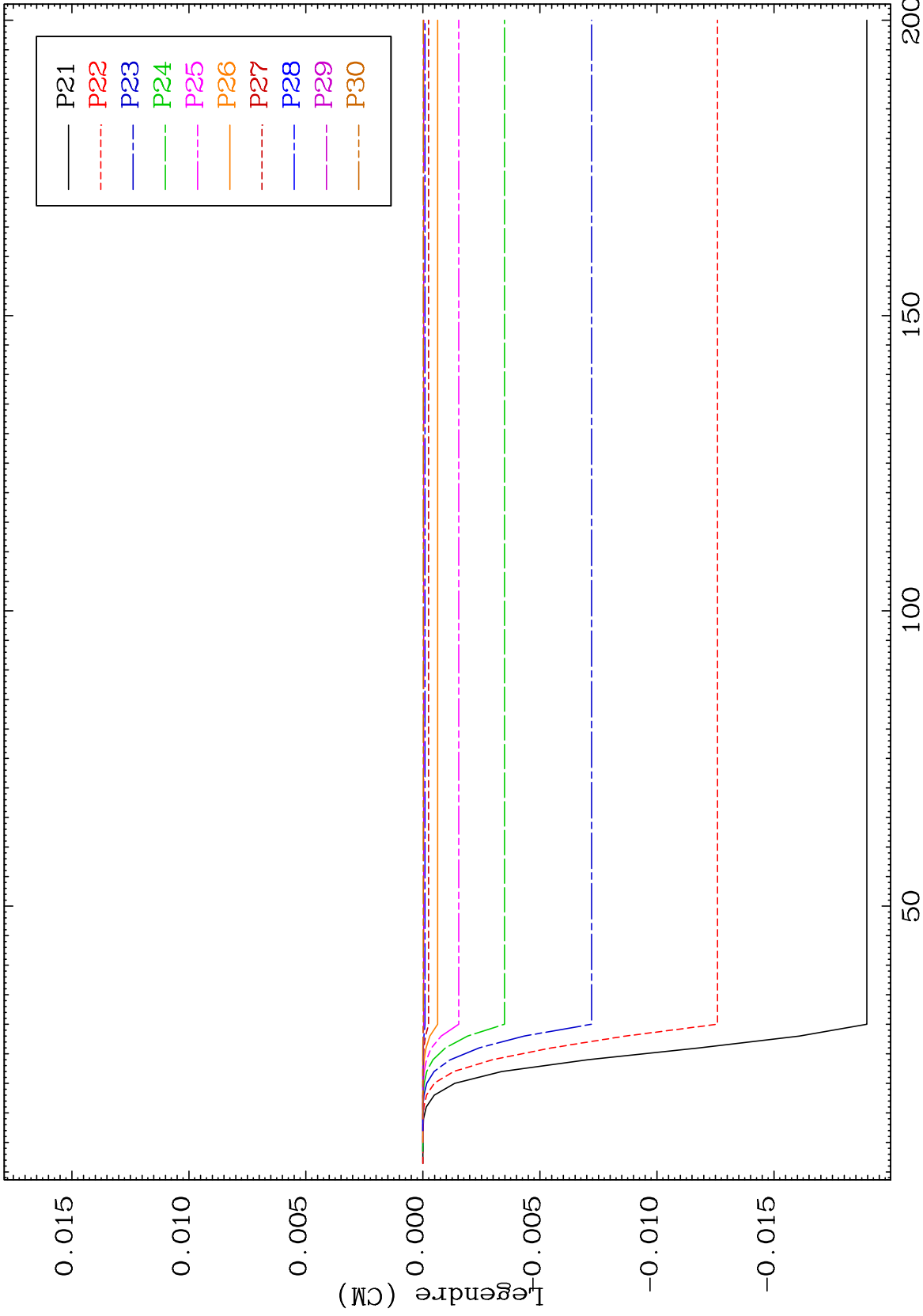


92 79-Au-198

MAT 7928

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

79-Au-198



93

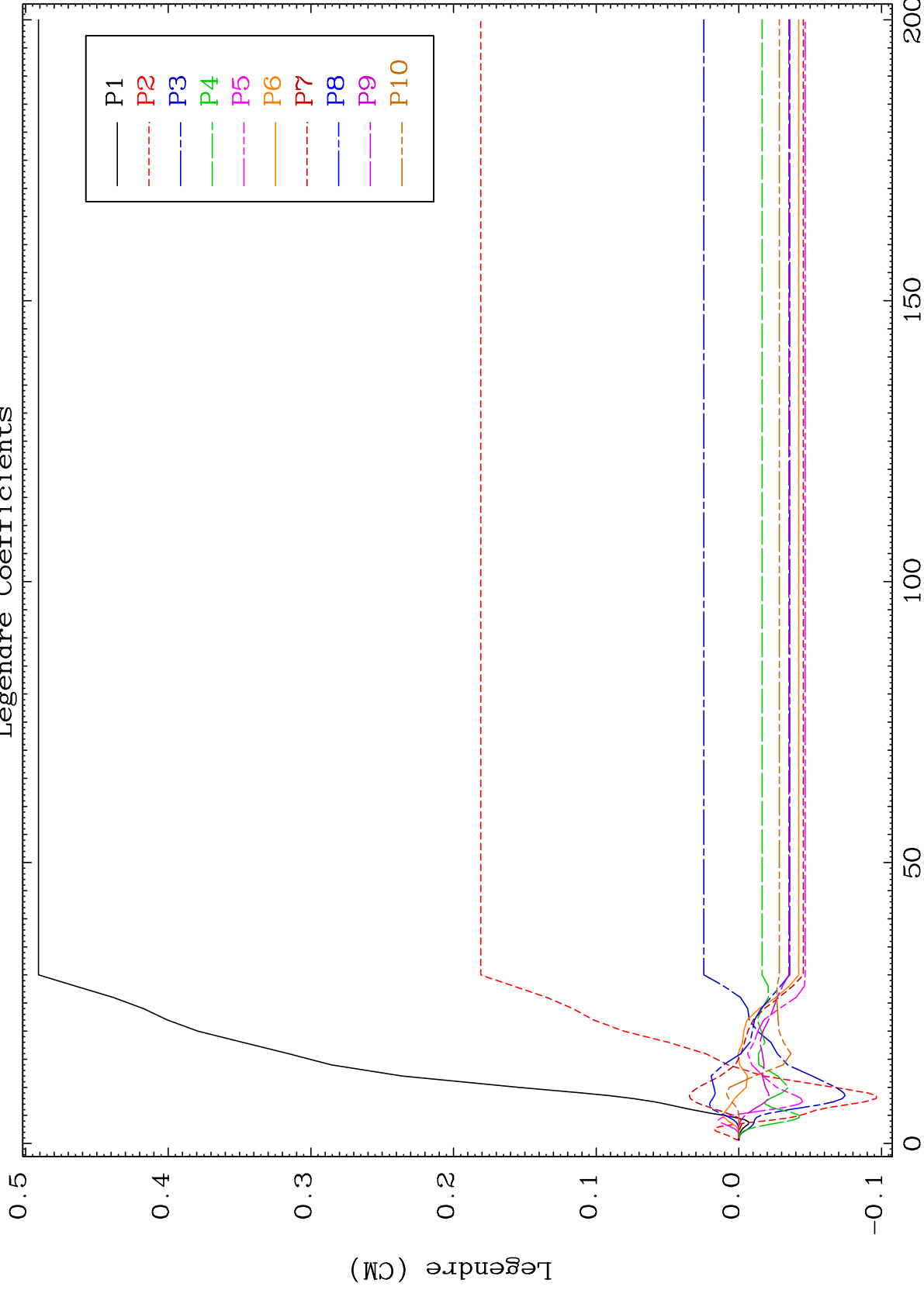
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



79-Au-198

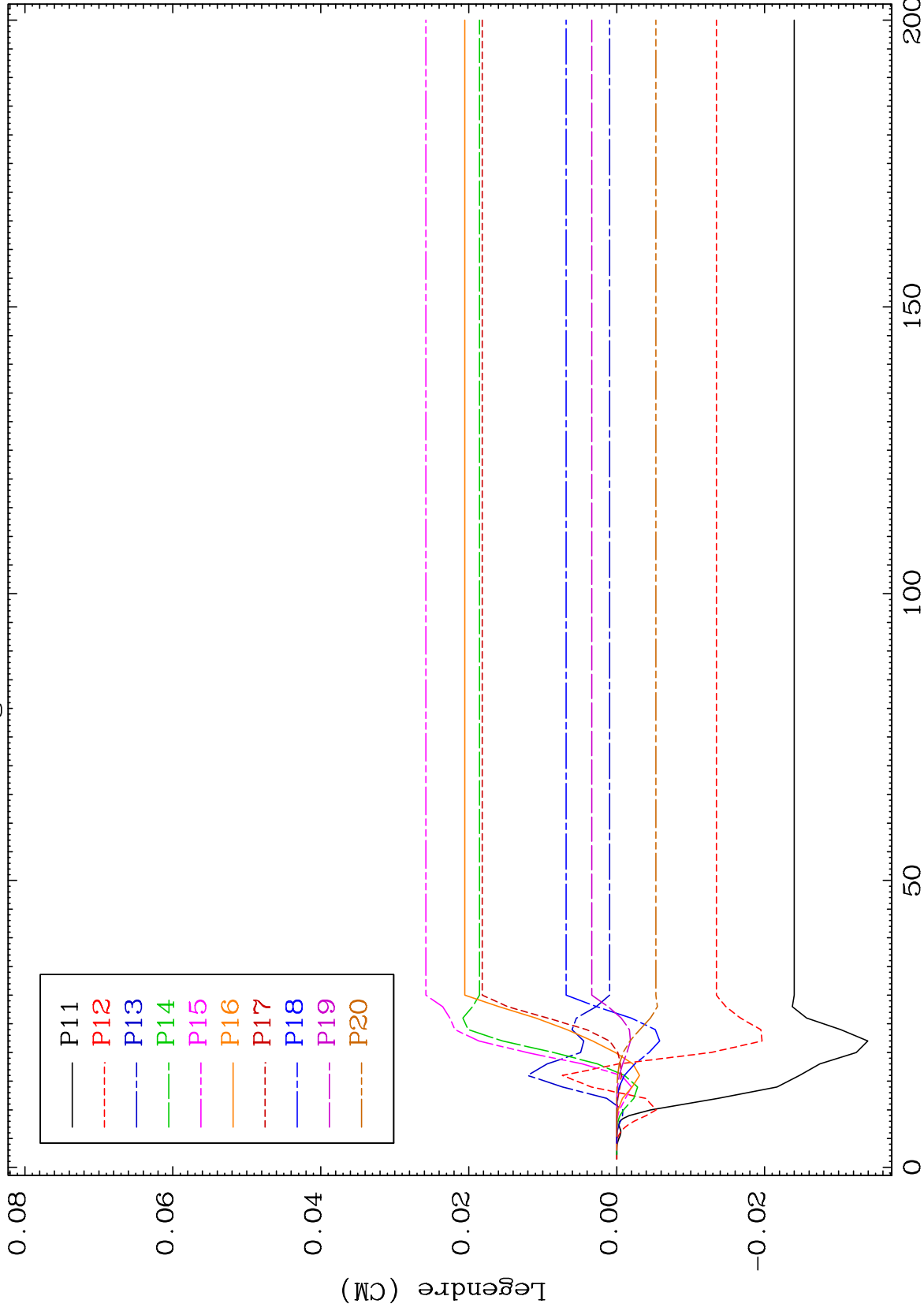
Incident Energy (MeV)

95

MAT 7928

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

79-Au-198



96

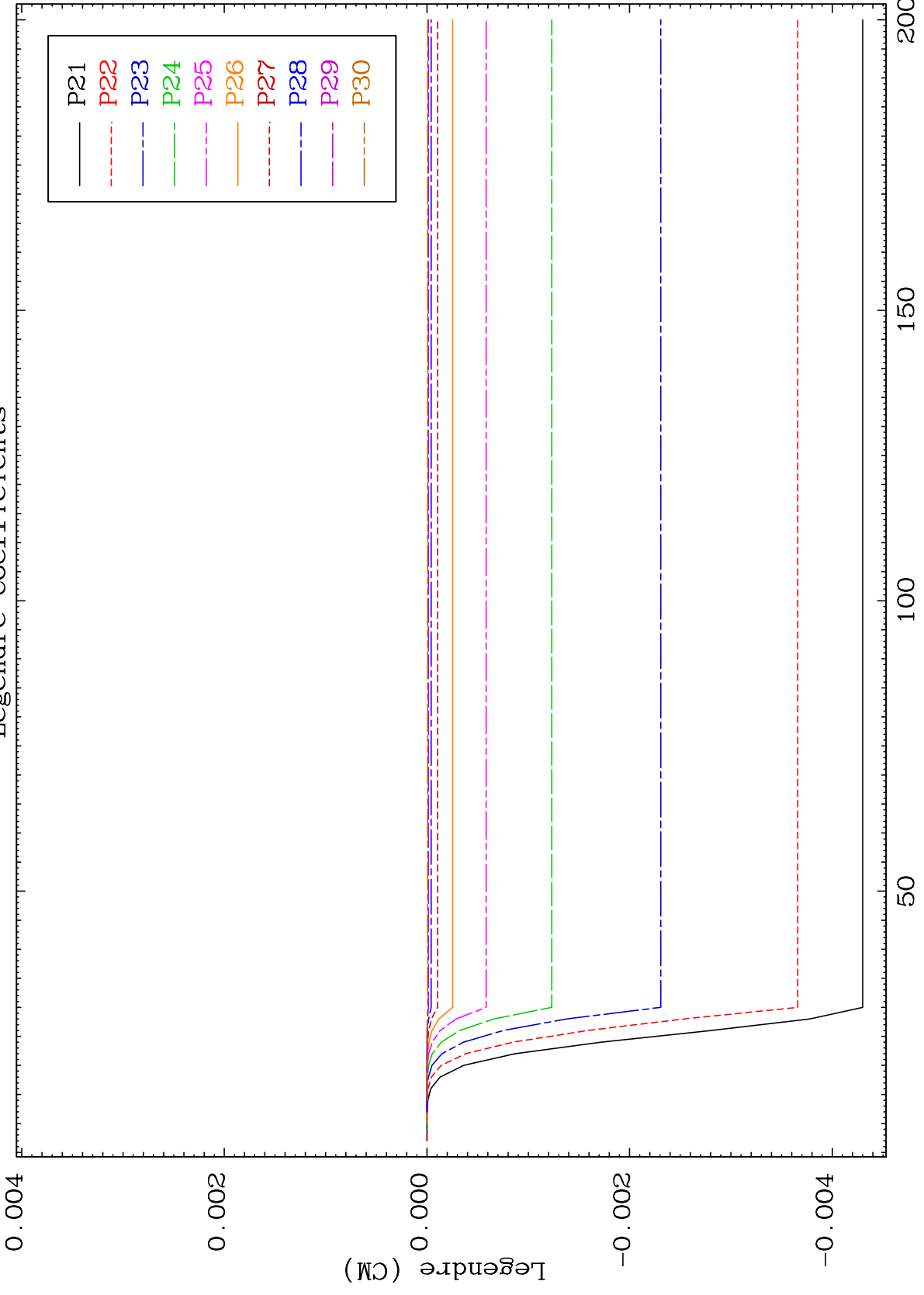
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



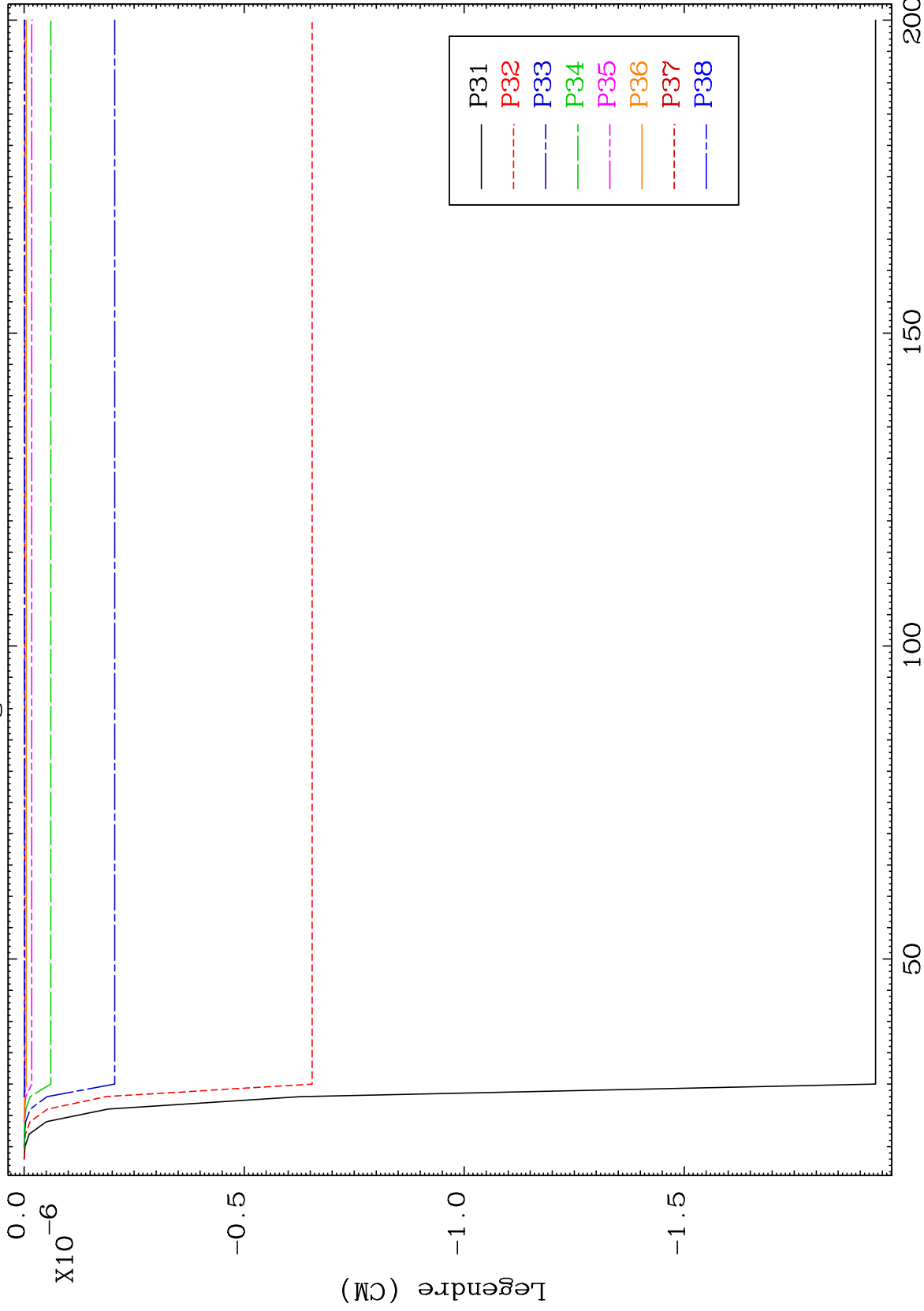
97

79-Au-198

MAT 7928

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

79-Au-198



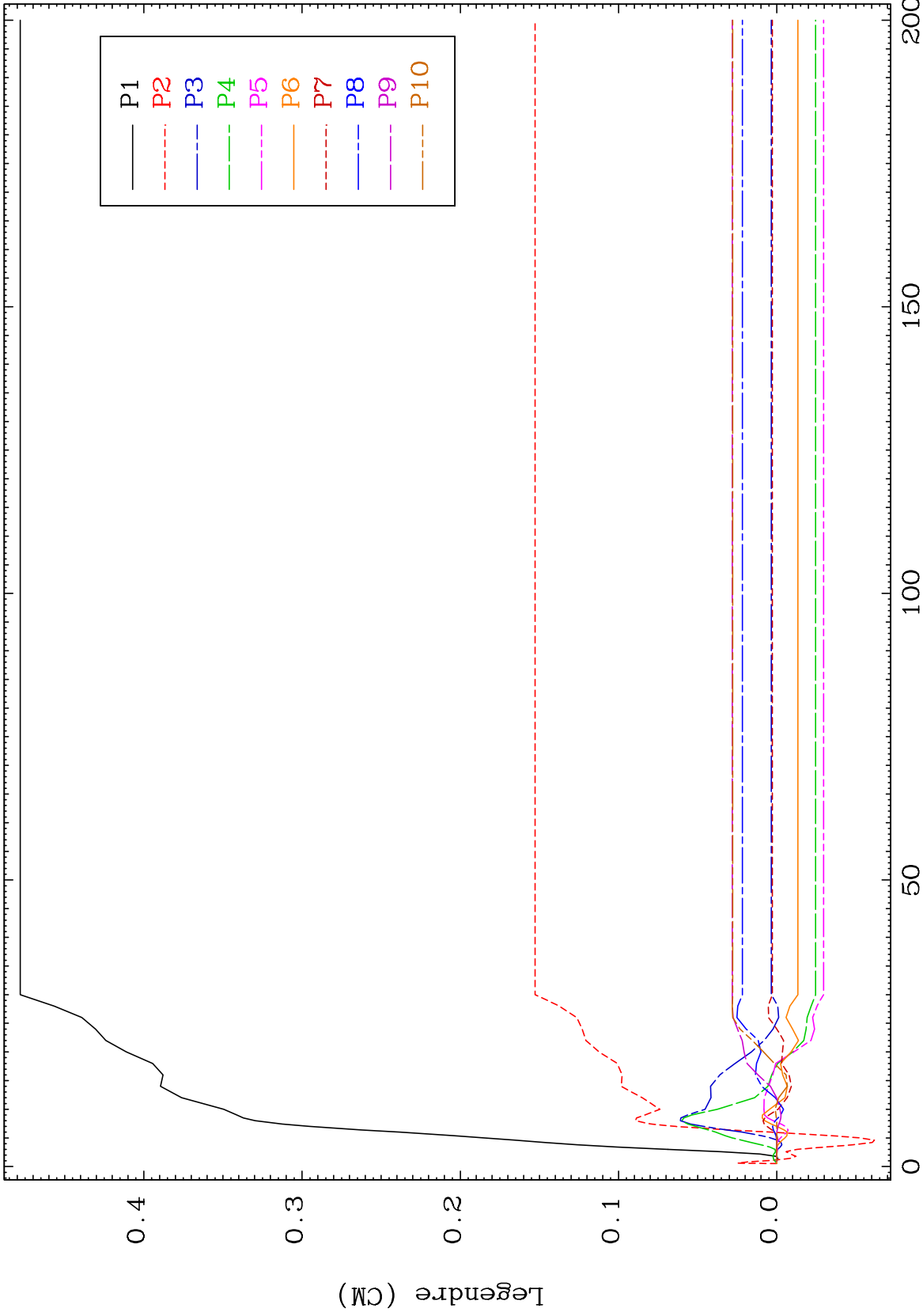
98

79-Au-198

MAT 7928

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

79-Au-198



99

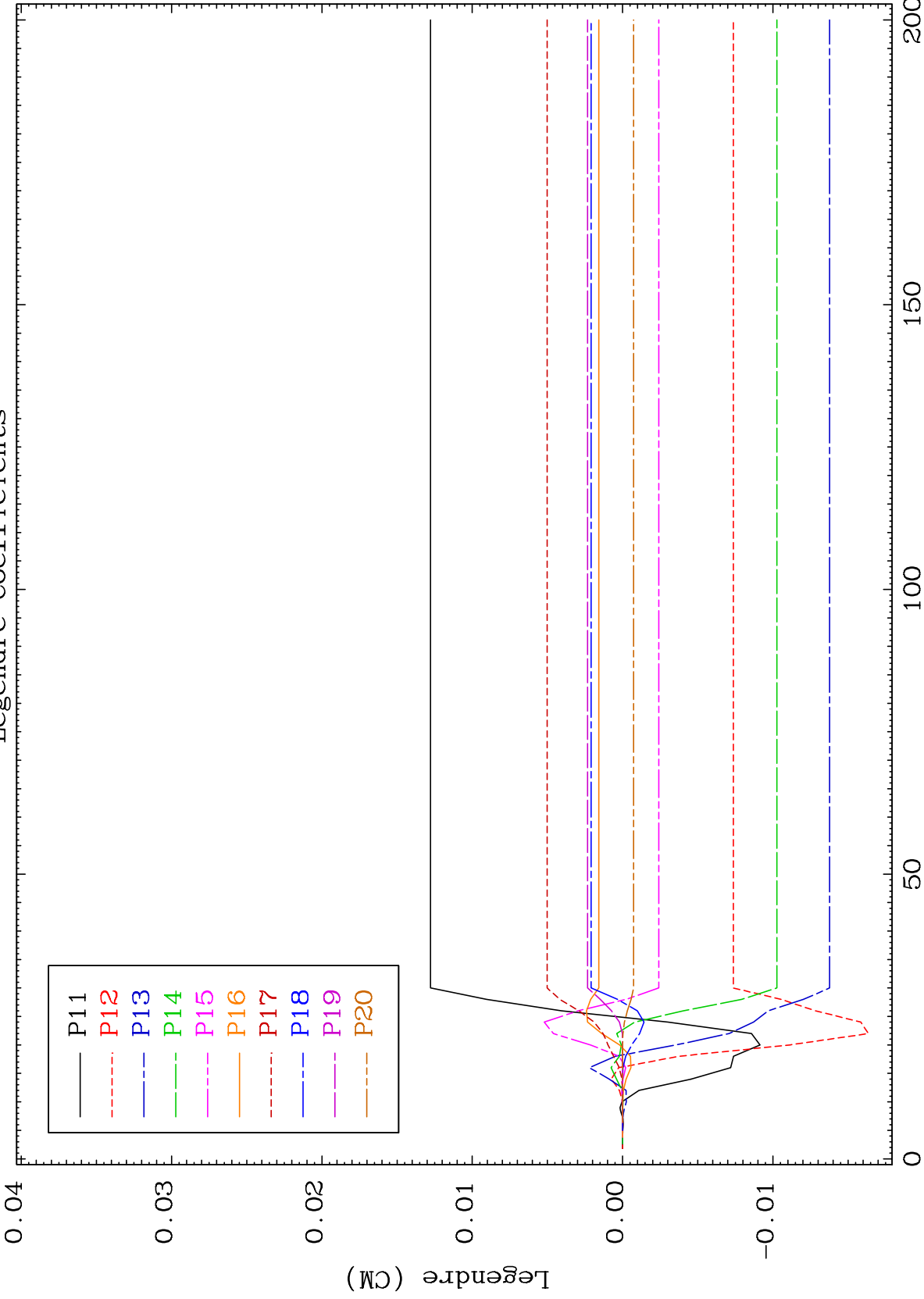
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



100

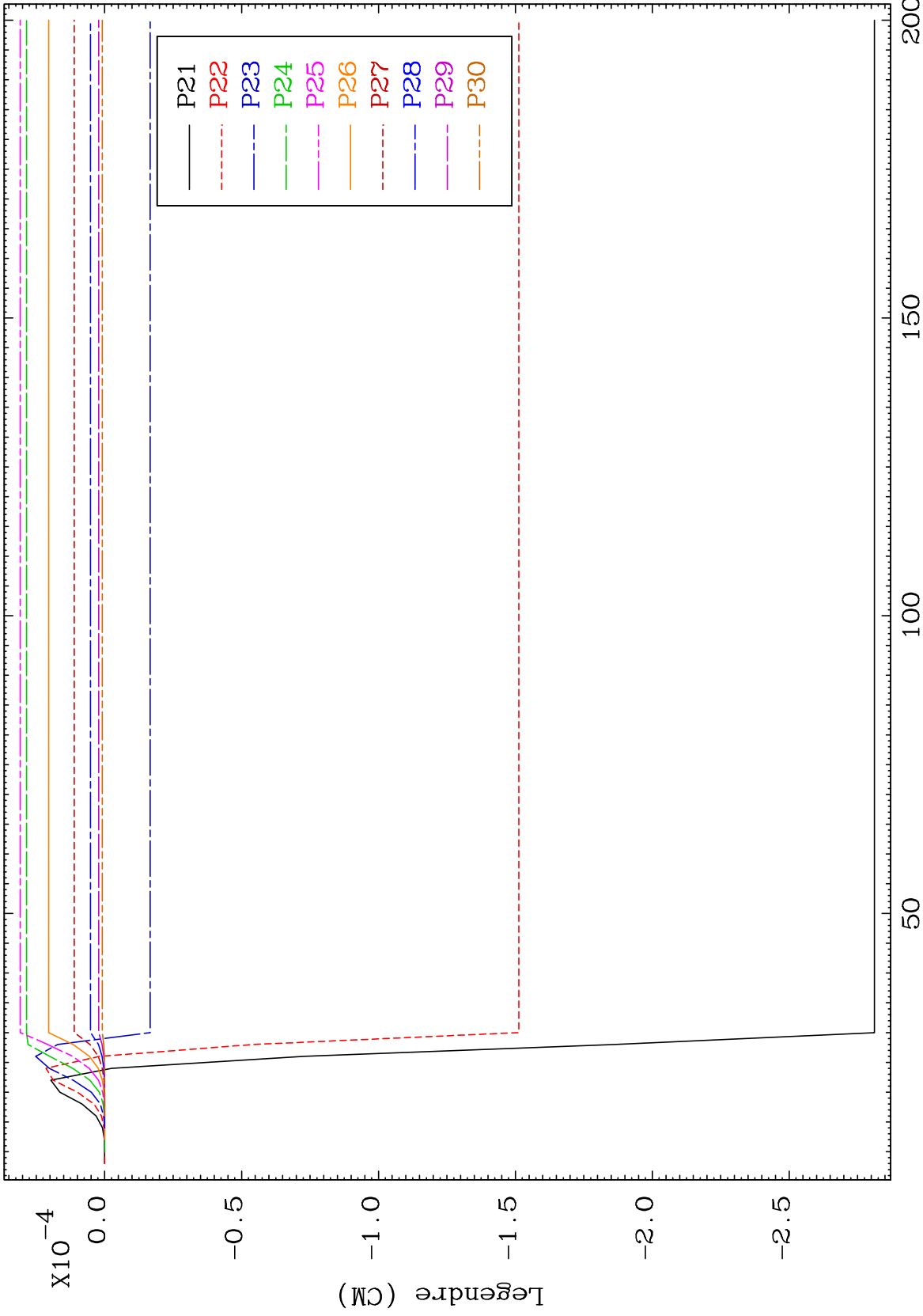
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



101

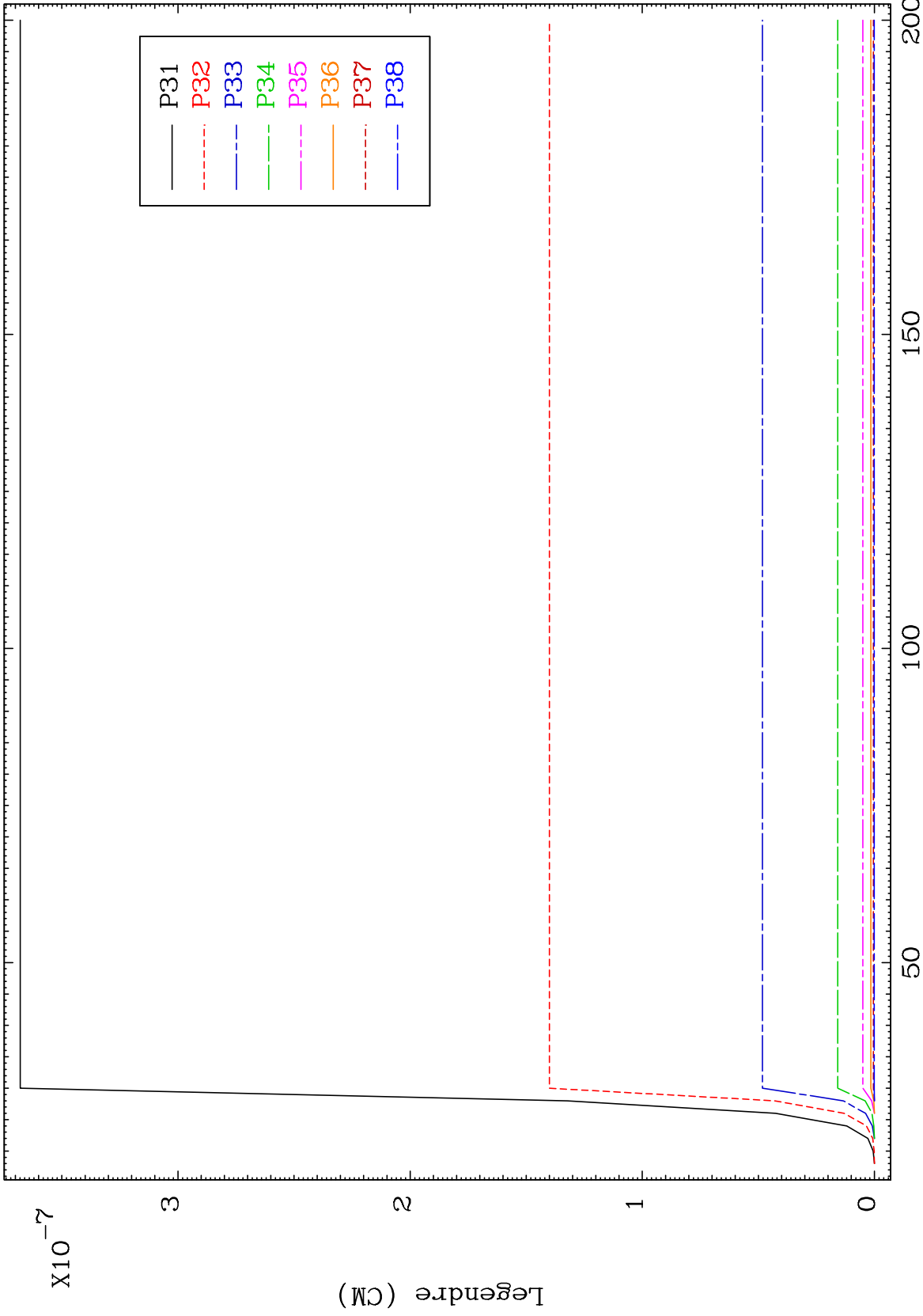
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



102

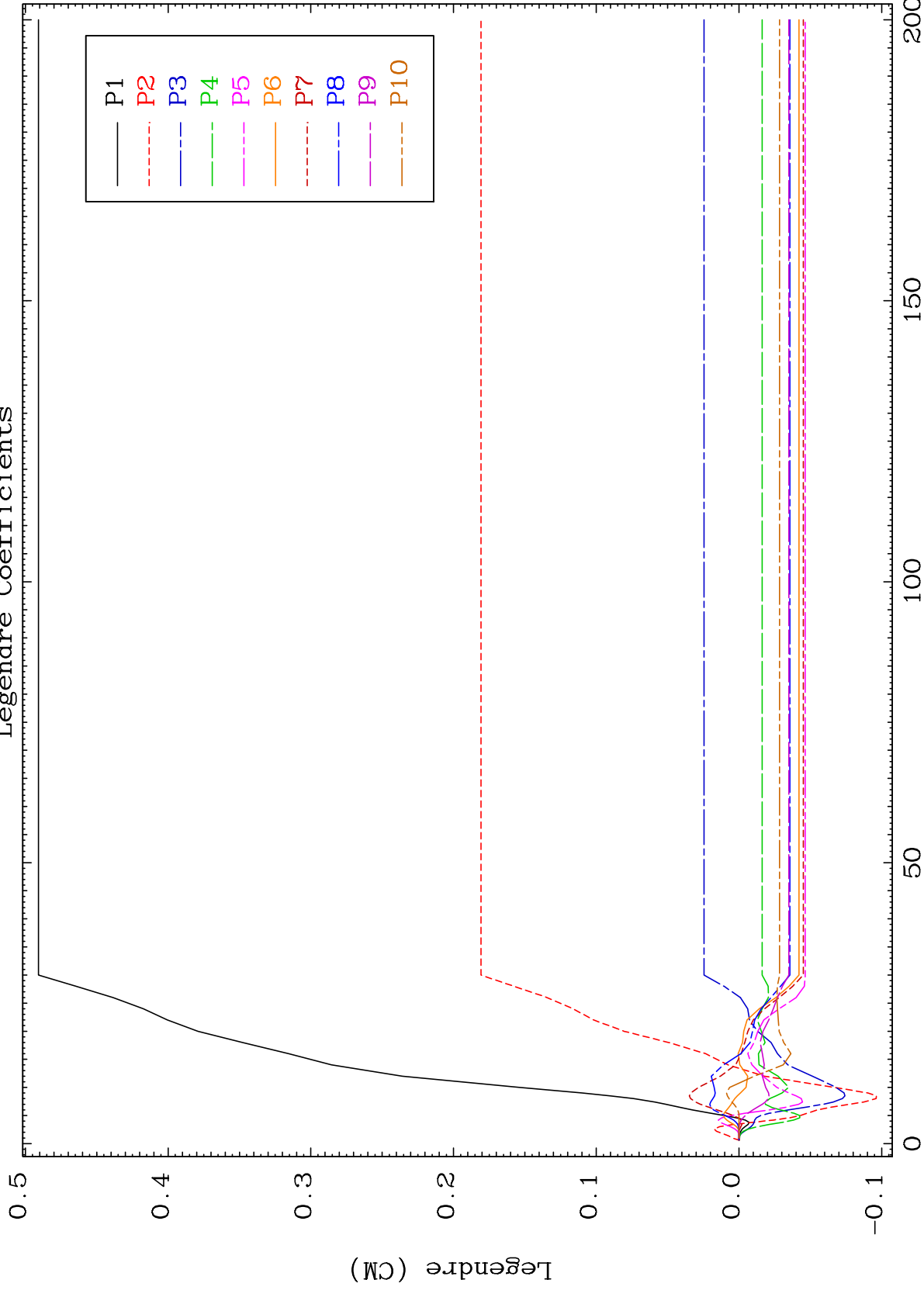
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



79-Au-198

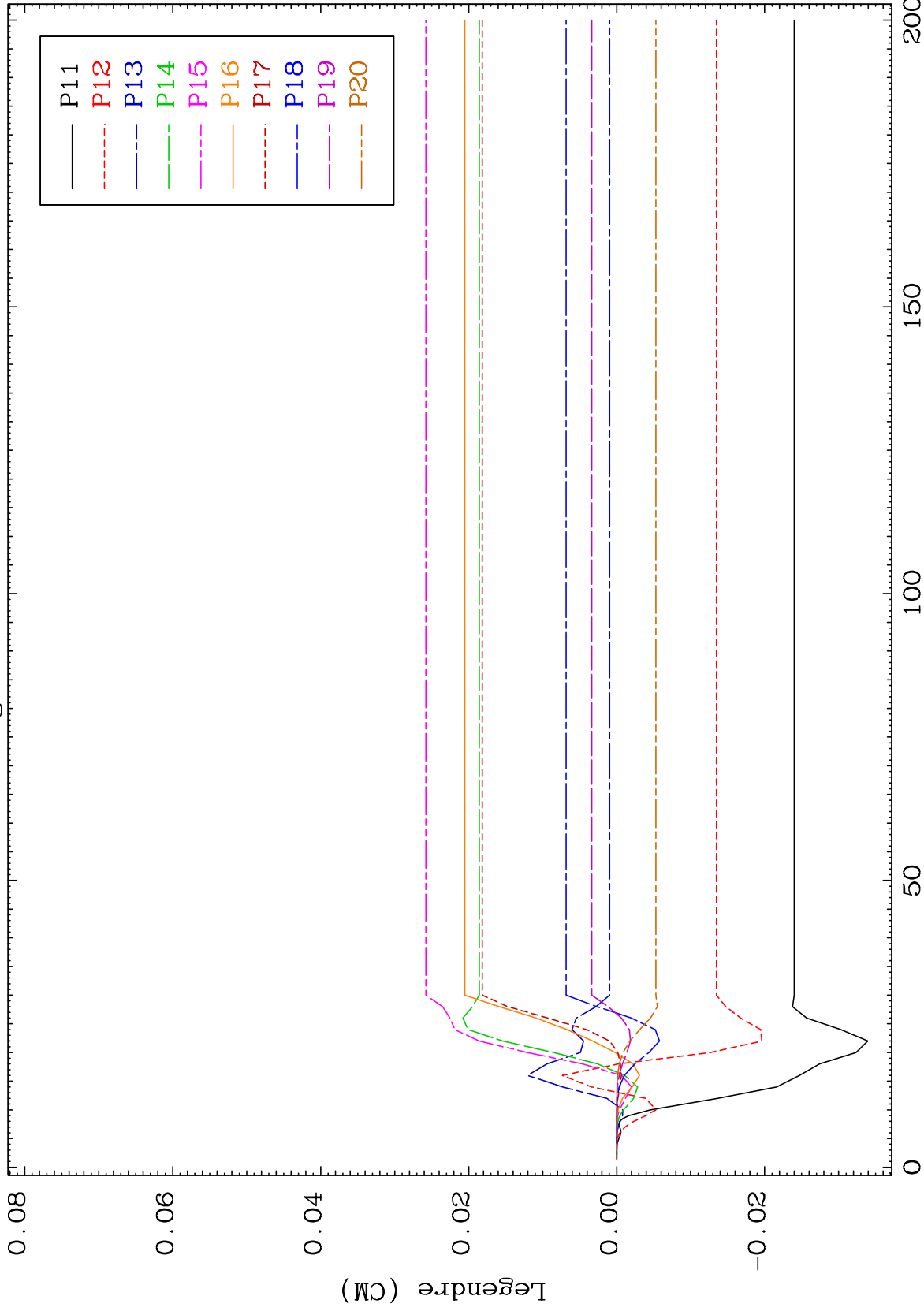
Incident Energy (MeV)

103

MAT 7928

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

79-Au-198

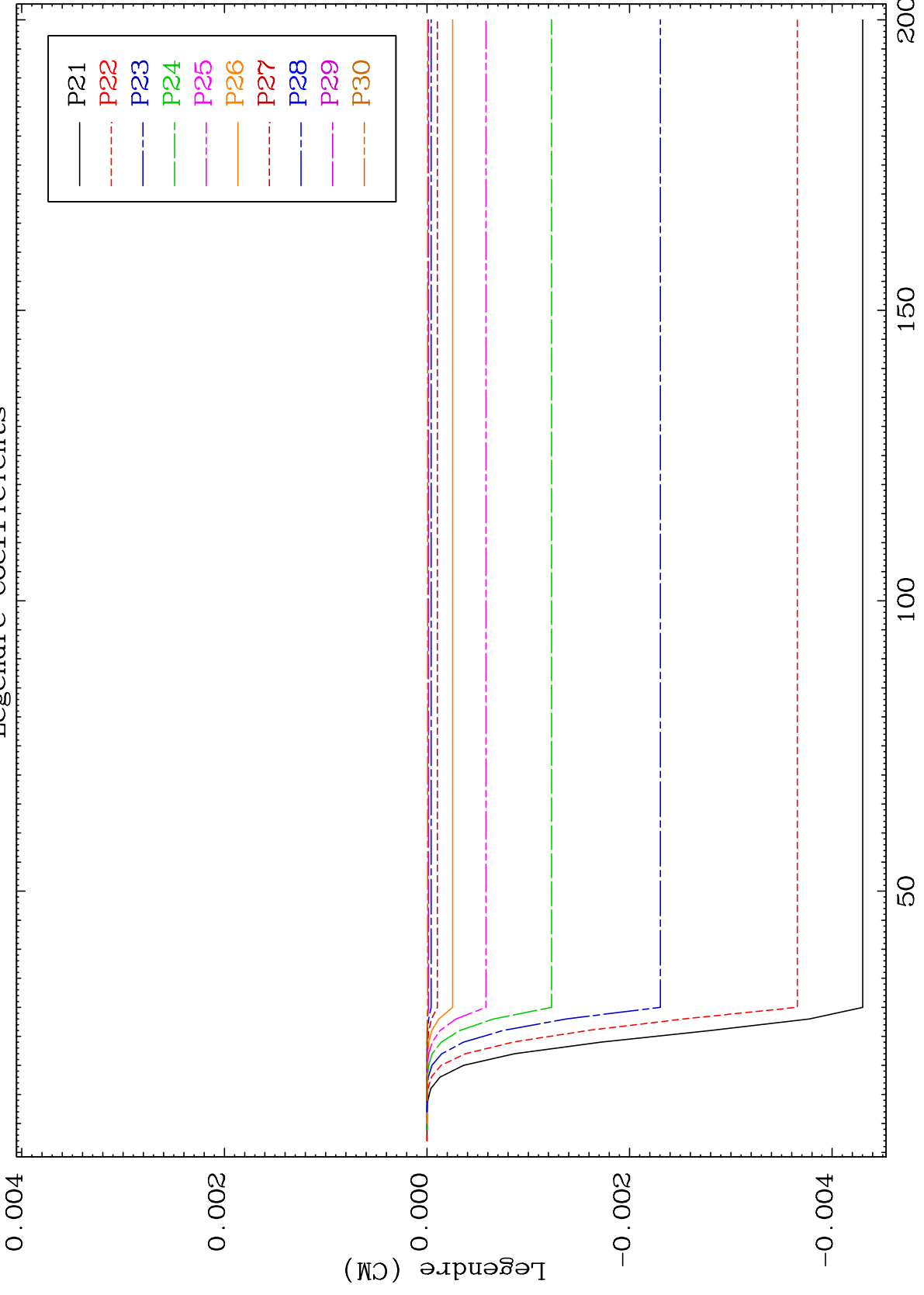


104

Incident Energy (MeV)

79-Au-198

MAT 7928 MT= 74 (n,n') Level Legendre Coefficients 79-Au-198

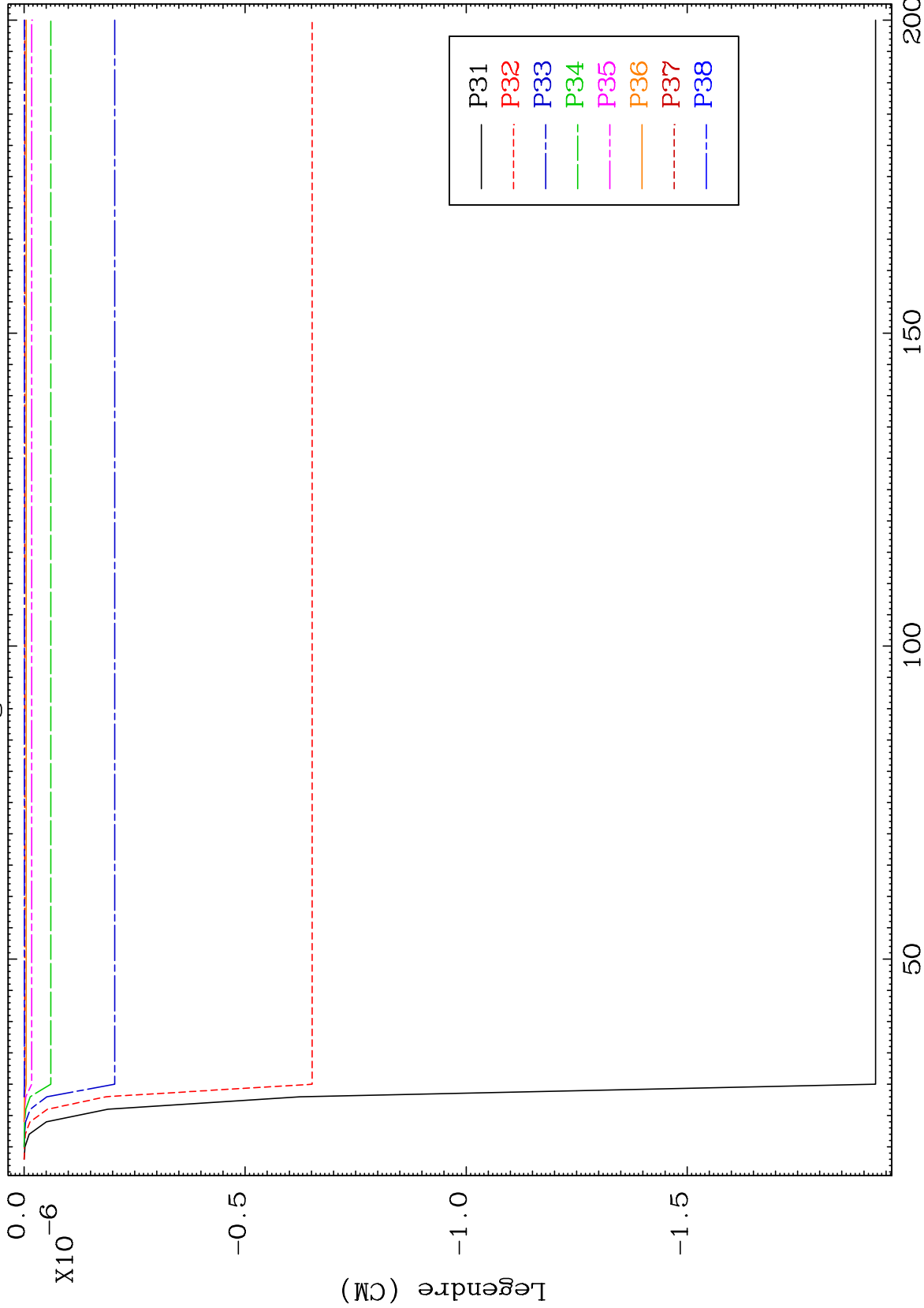


105 Incident Energy (MeV) 79-Au-198

MAT 7928

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

79-Au-198



106

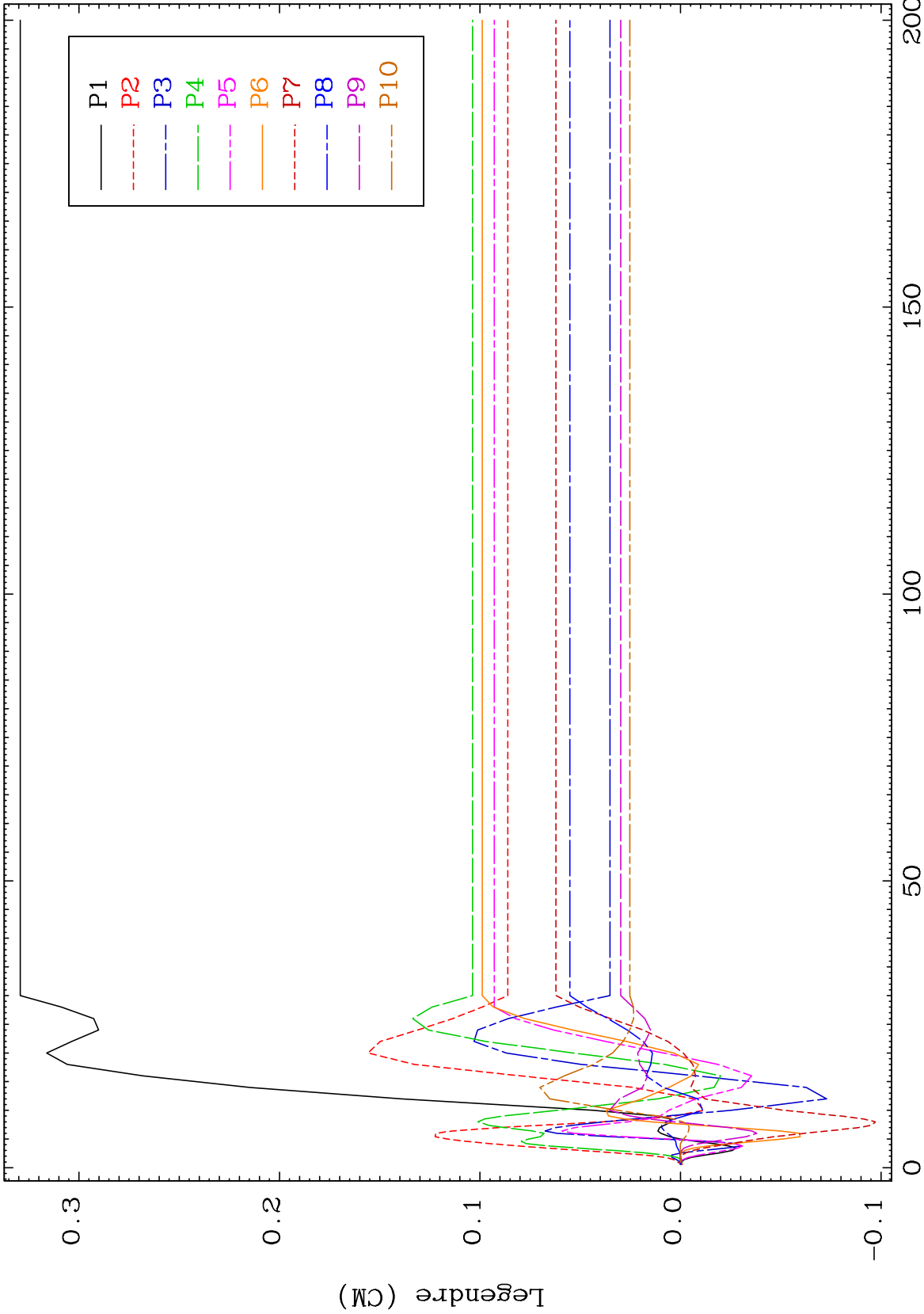
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198

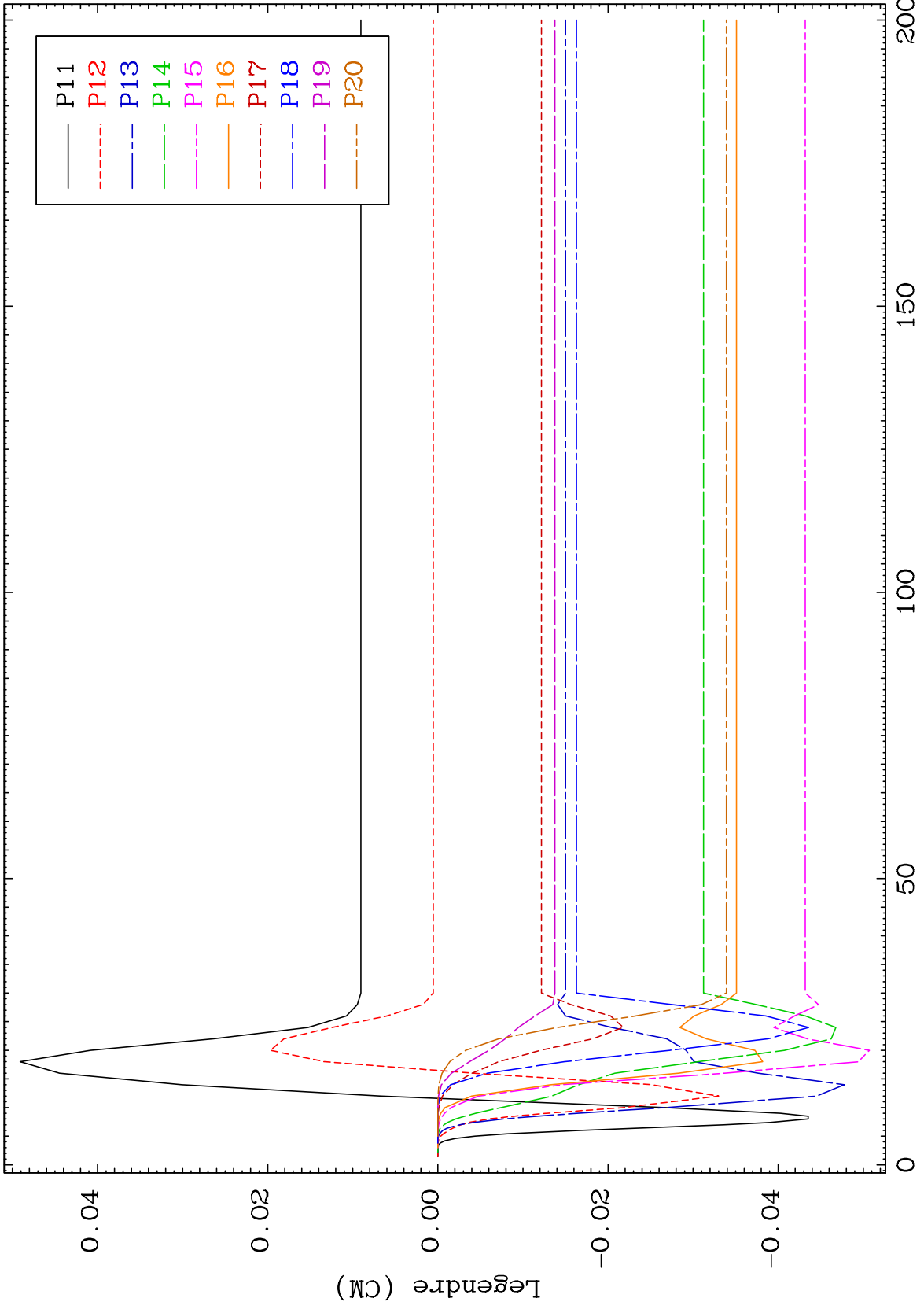


79-Au-198

Incident Energy (MeV)

107

MAT 7928 MT= 75 (n,n') Level Legendre Coefficients 79-Au-198

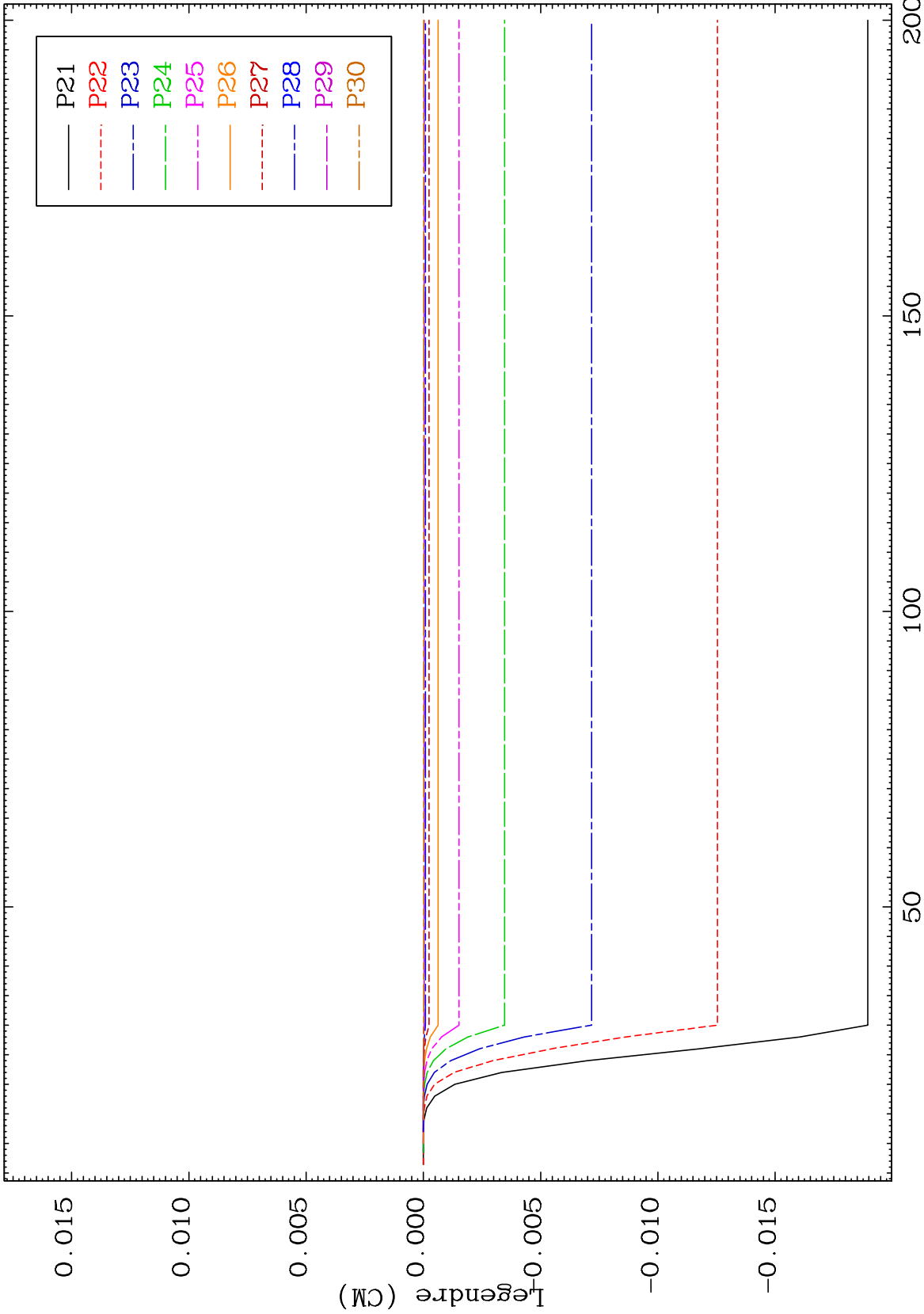


108 79-Au-198

MAT 7928

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

79-Au-198



109

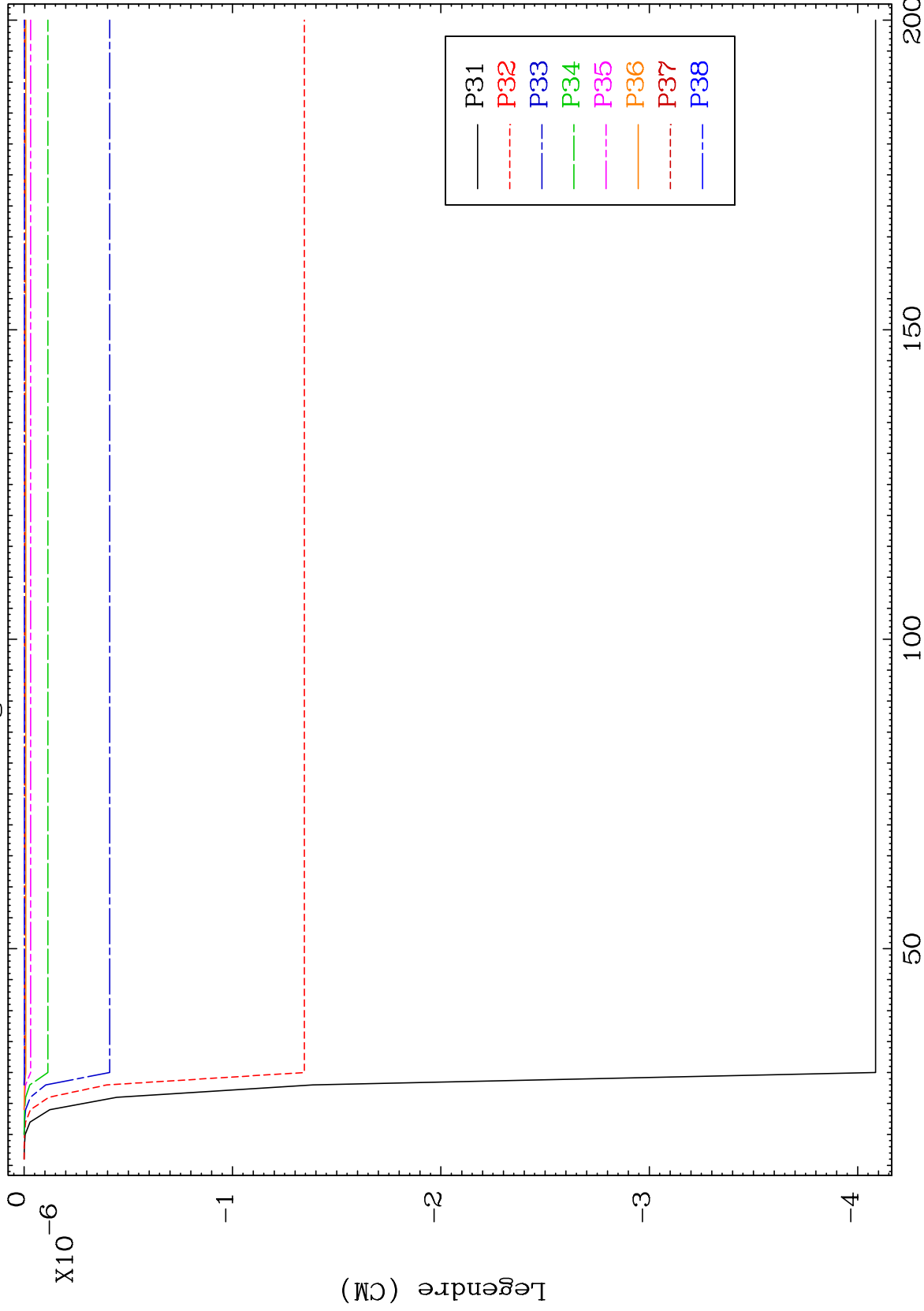
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



79-Au-198

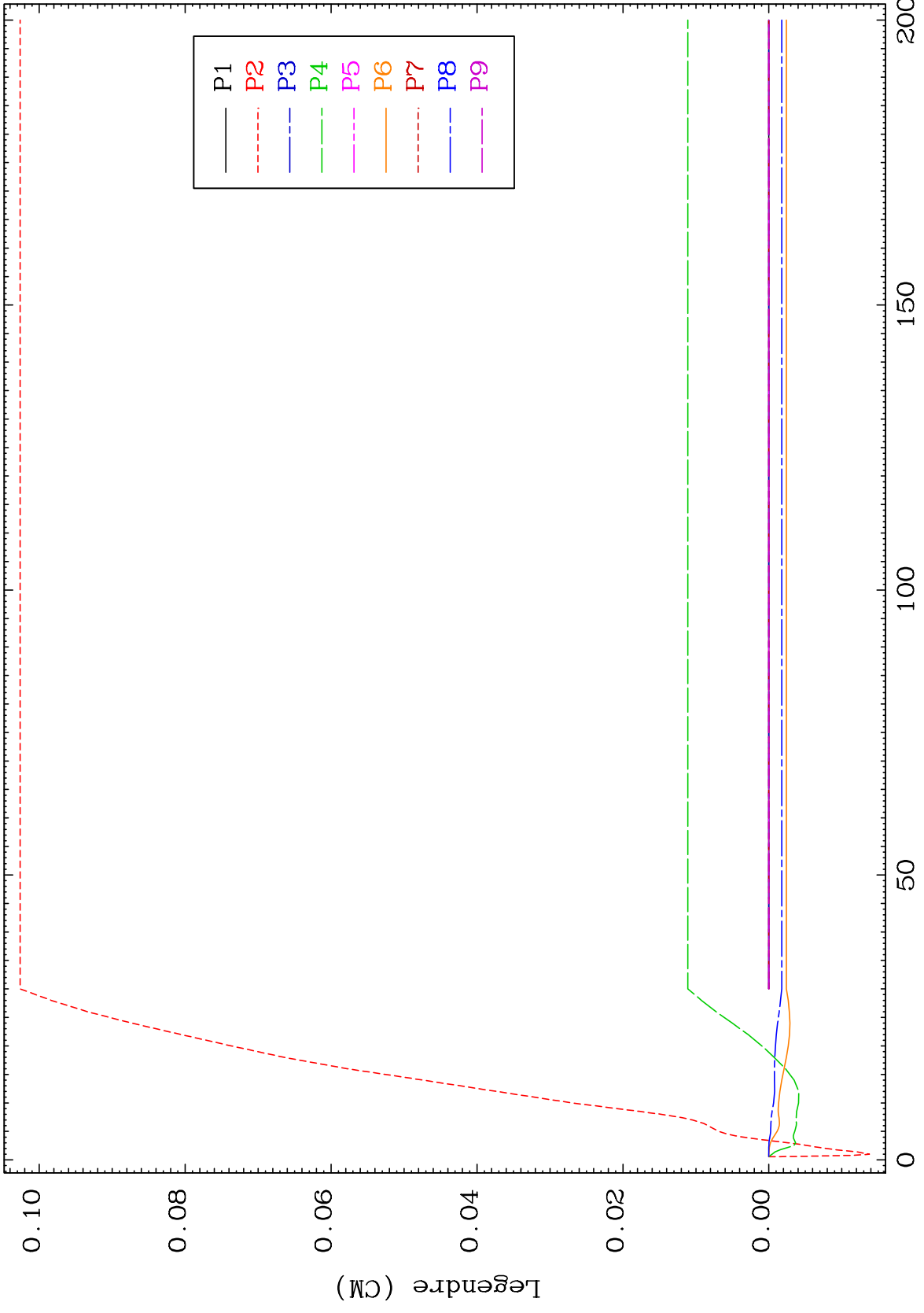
Incident Energy (MeV)

110

MAT 7928

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

79-Au-198



111

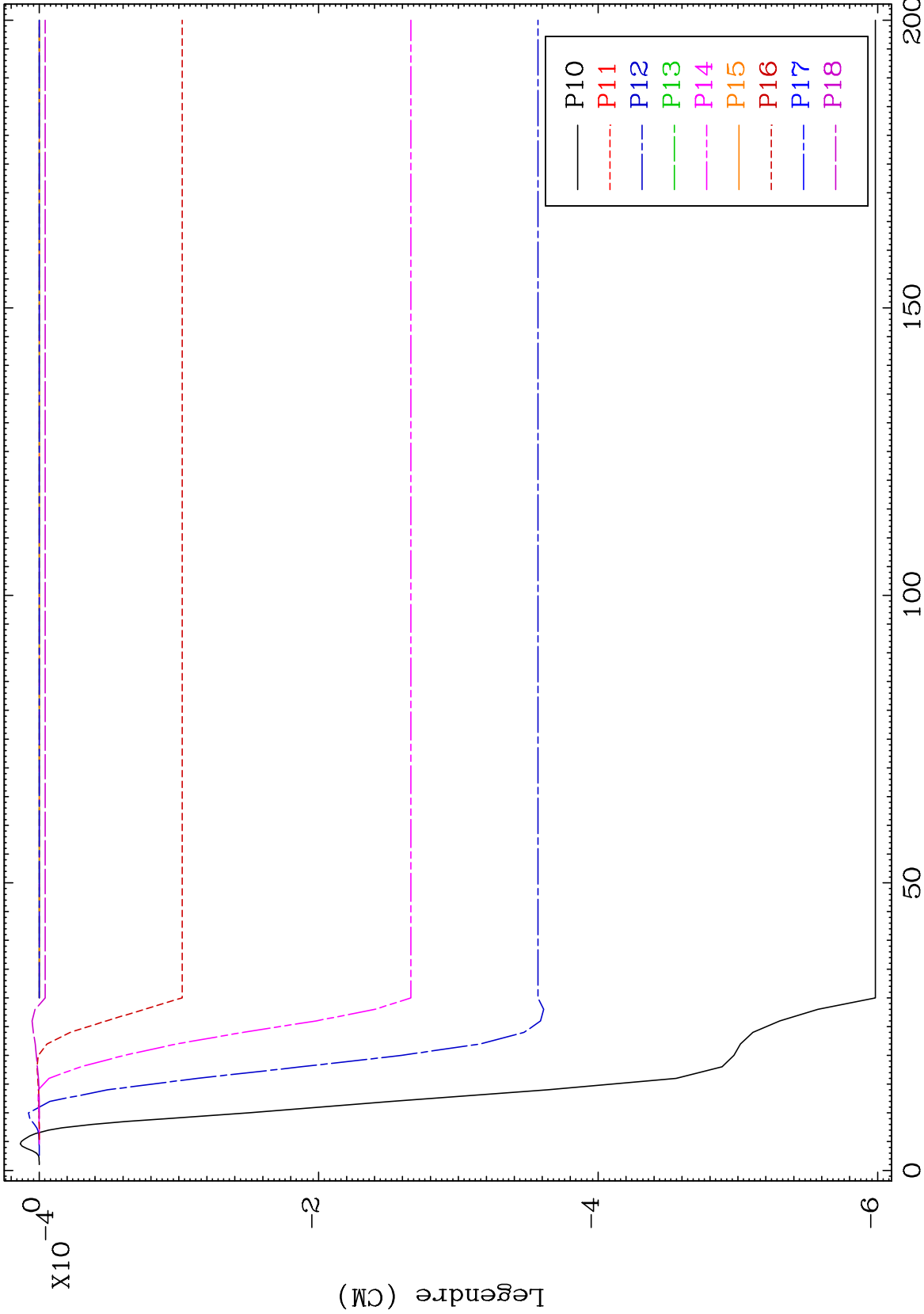
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198

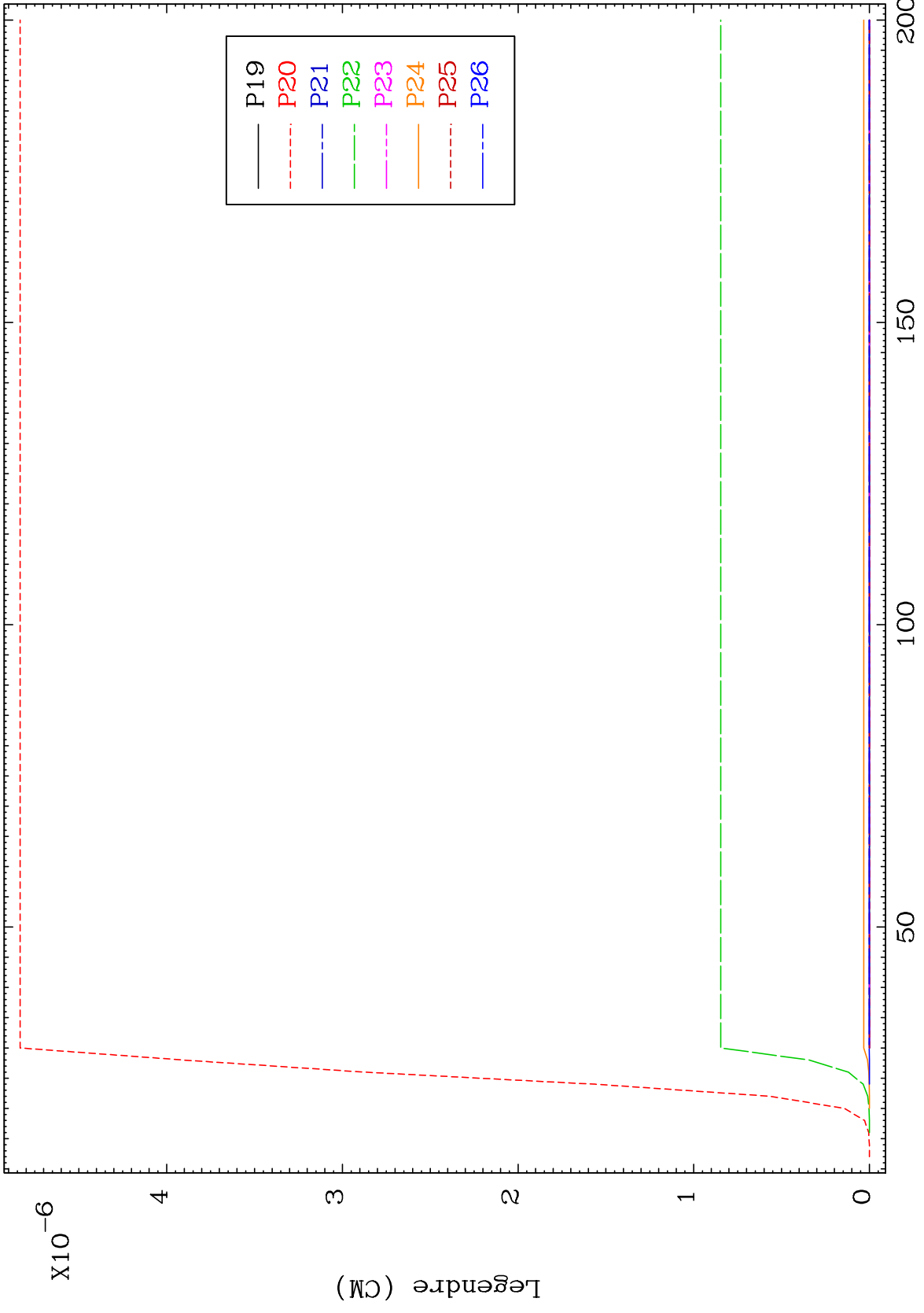


112

Incident Energy (MeV)

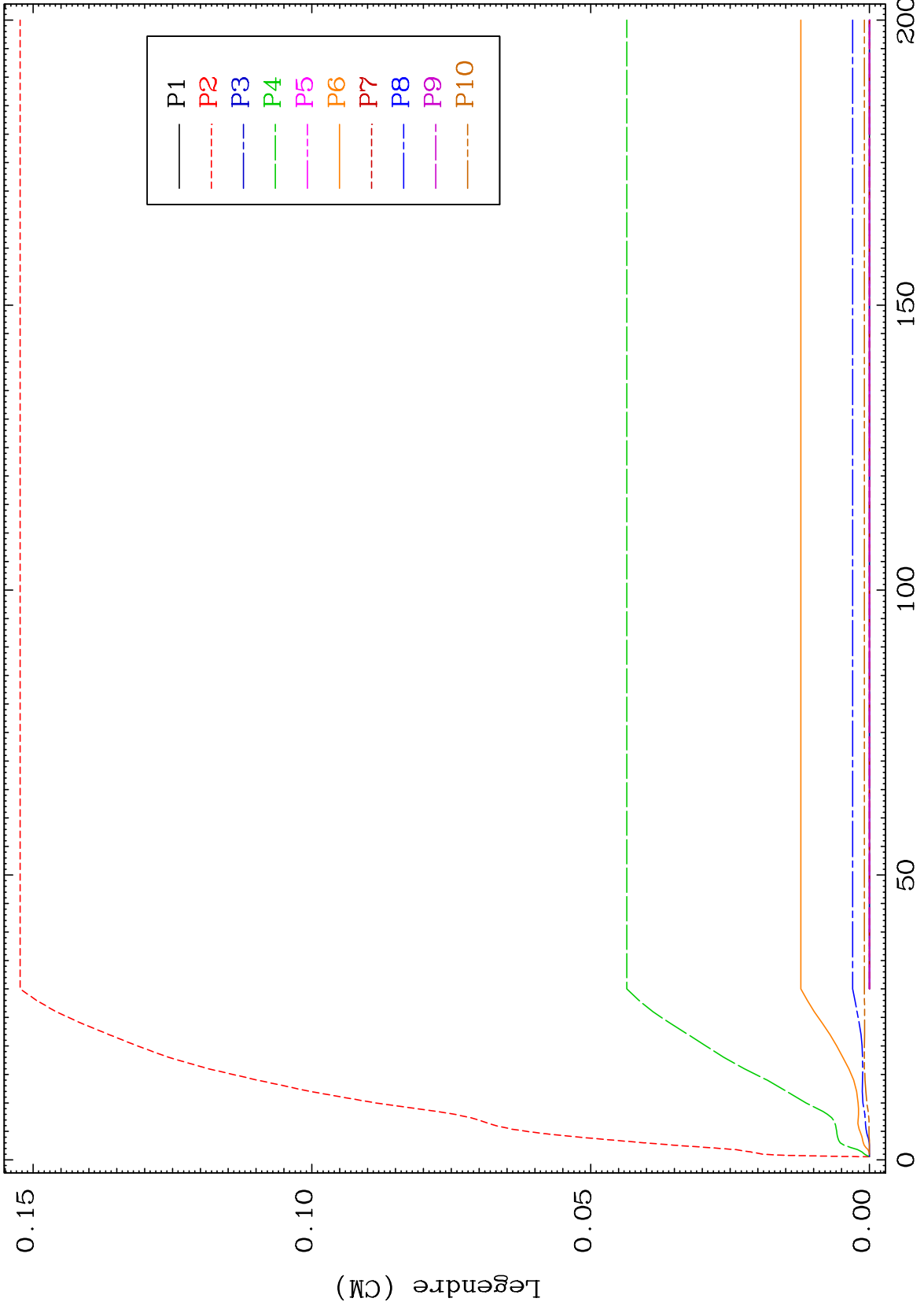
79-Au-198

MAT 7928 MT= 76 (n,n') Level Legendre Coefficients 79-Au-198



113 79-Au-198

MAT 7928 MT= 77 (n,n') Level Legendre Coefficients 79-Au-198

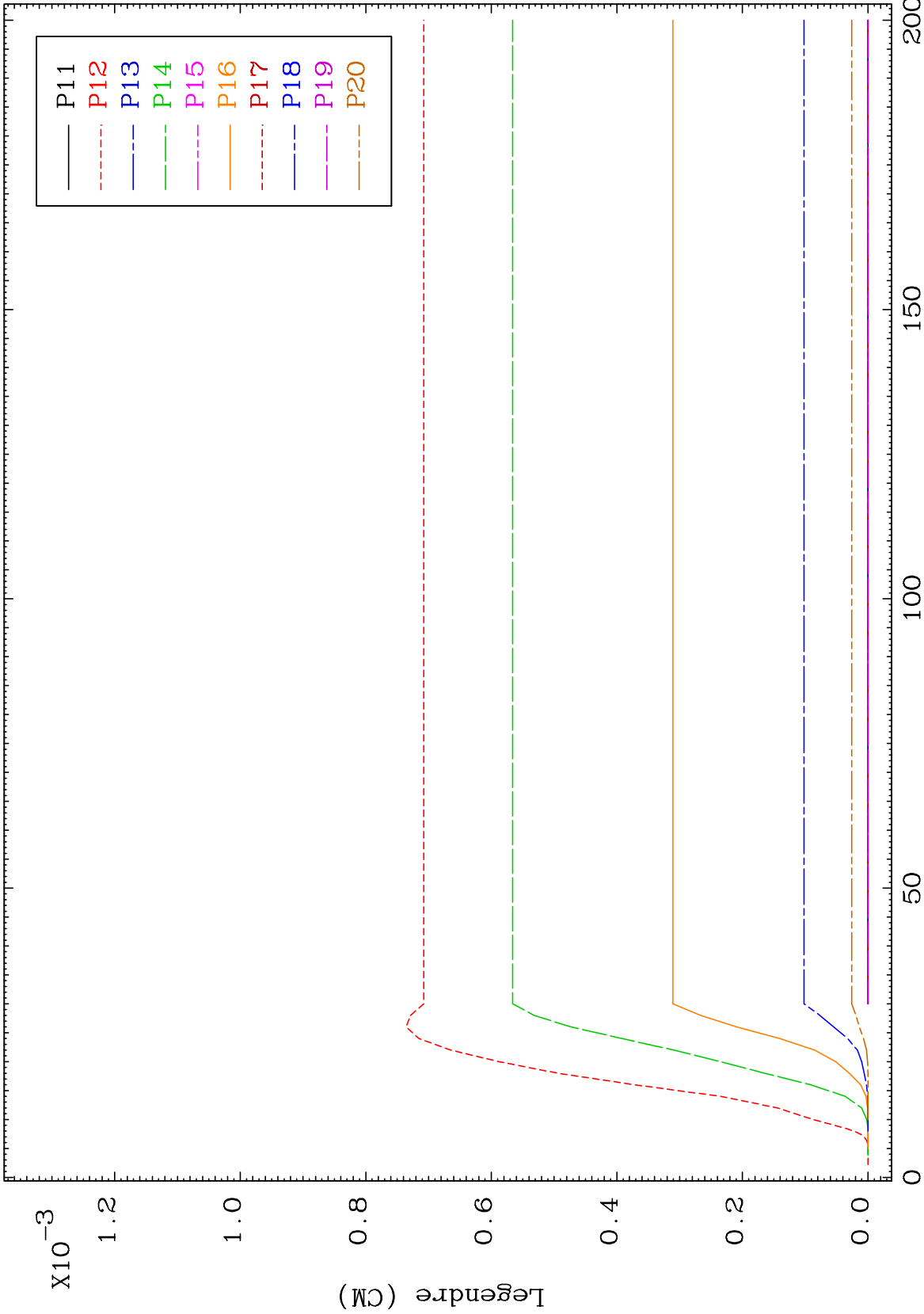


114 79-Au-198

MAT 7928

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

79-Au-198



115

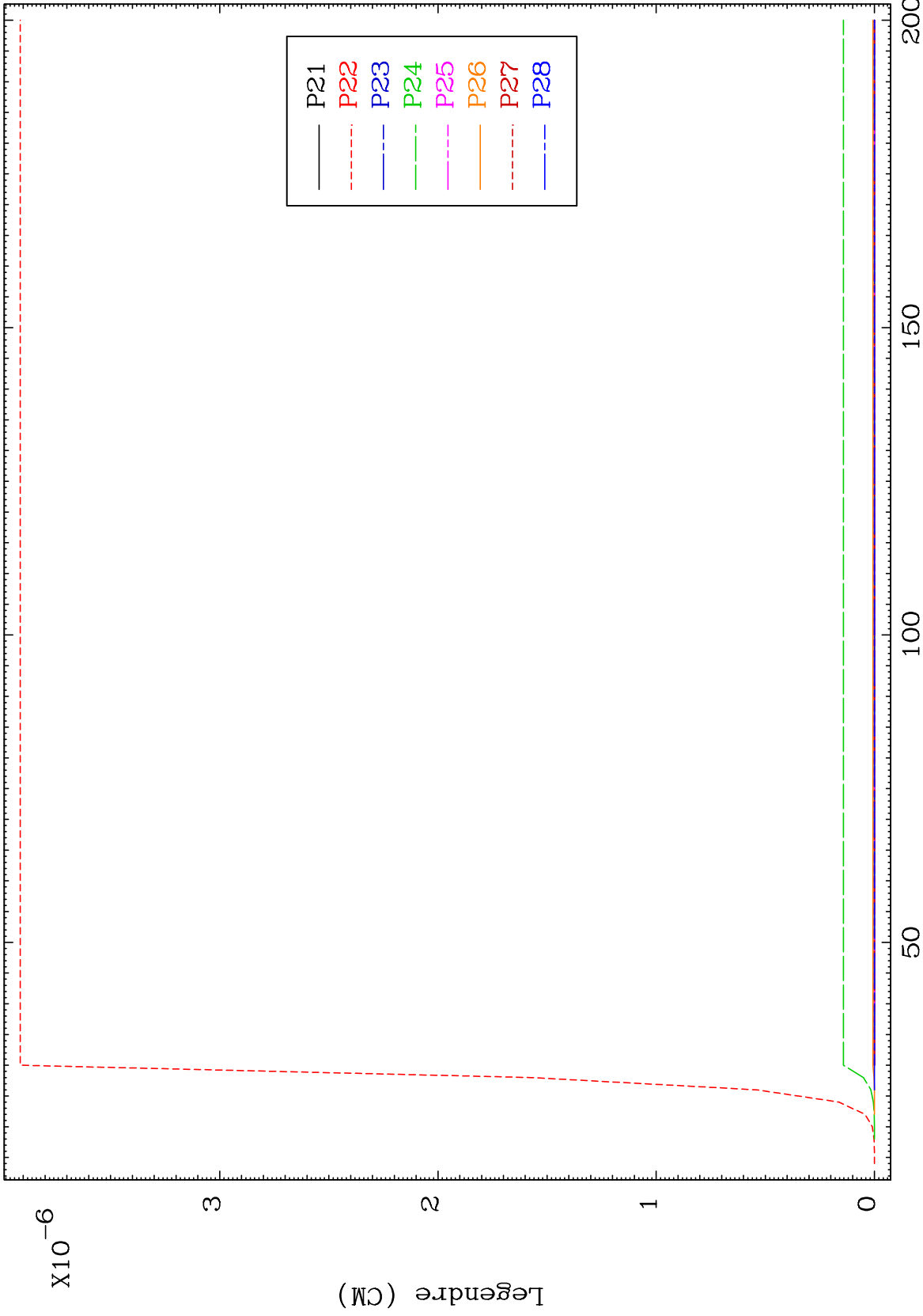
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



116

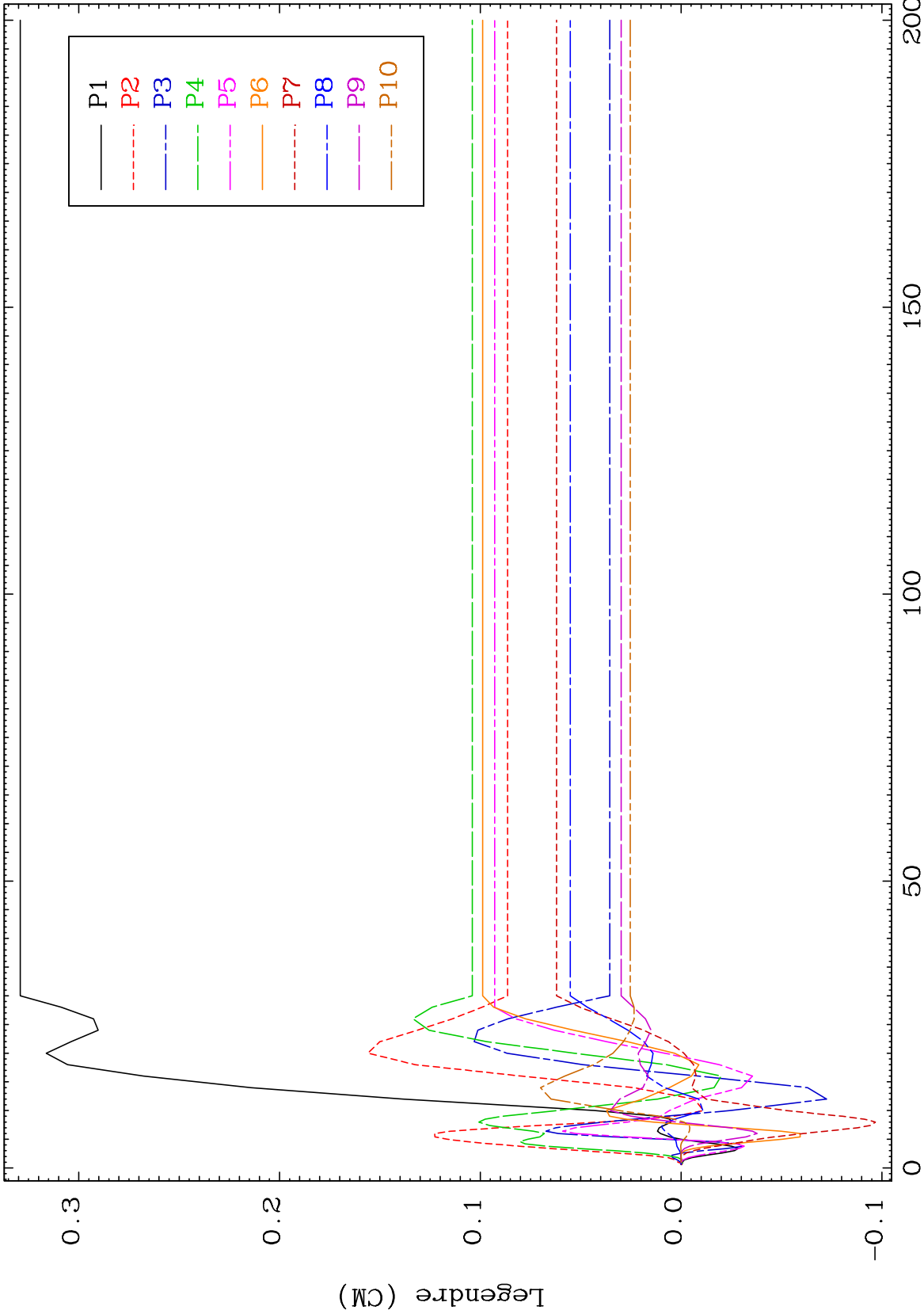
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198

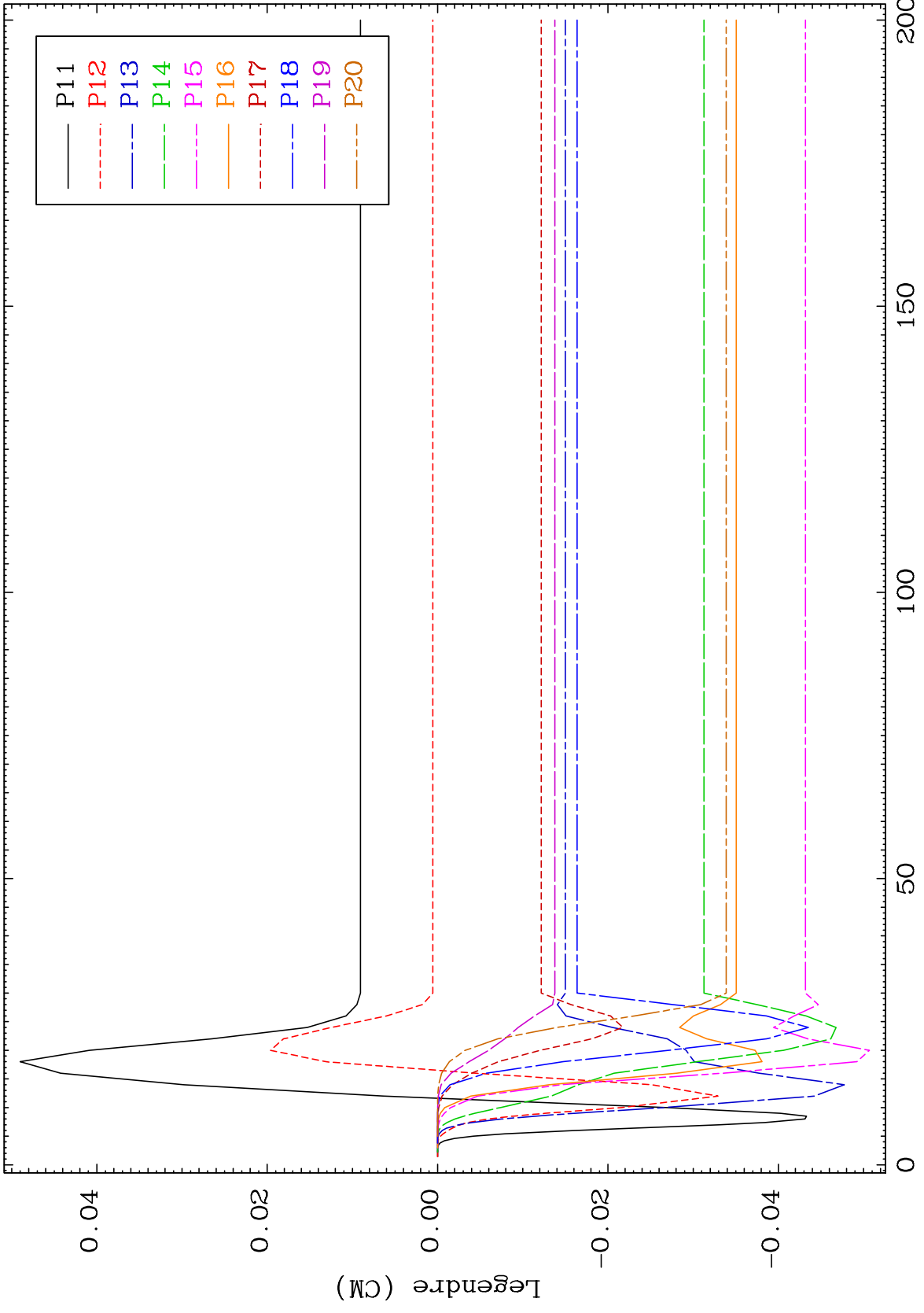


117

Incident Energy (MeV)

79-Au-198

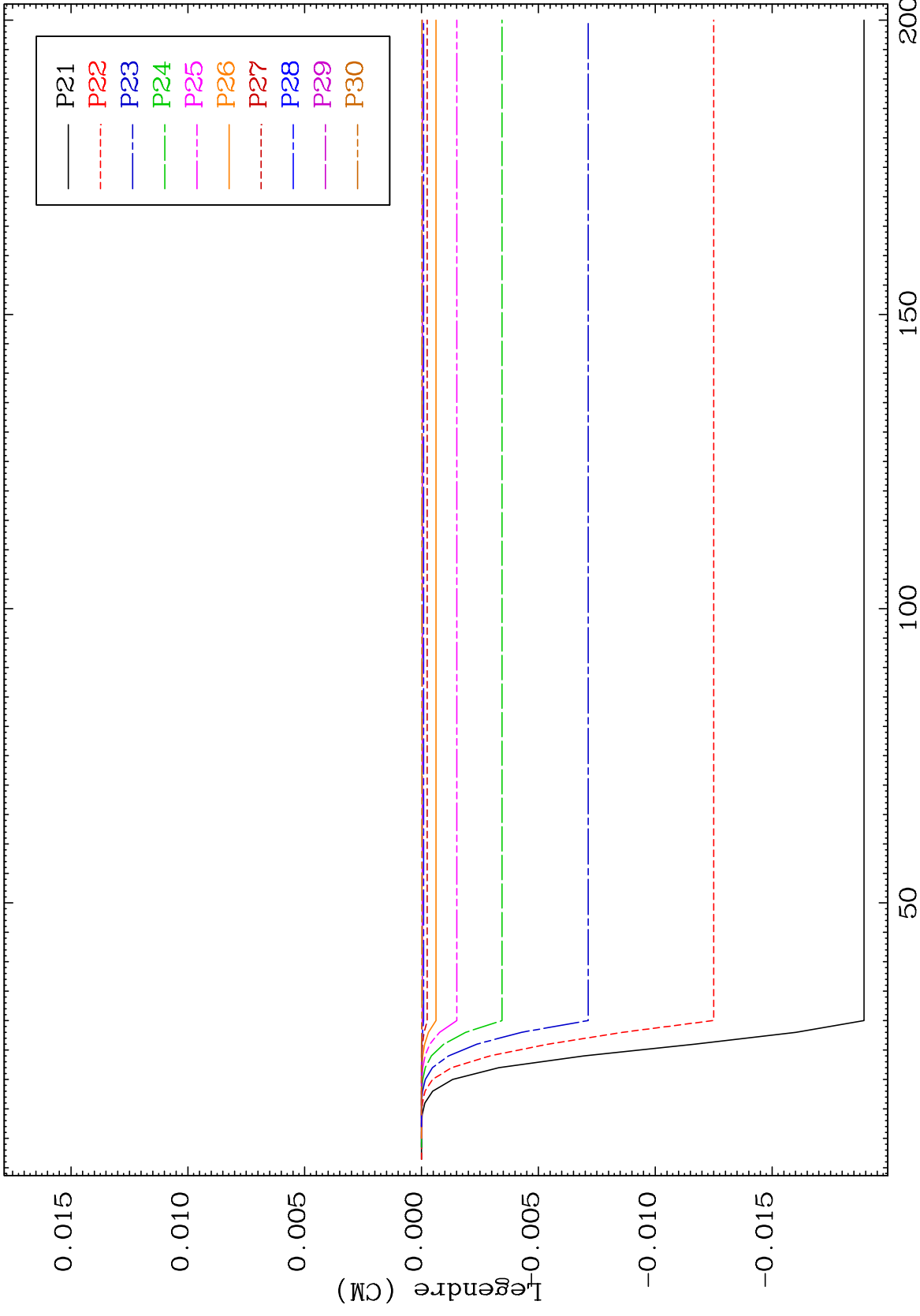
MAT 7928 MT= 78 (n,n') Level Legendre Coefficients 79-Au-198



MAT 7928

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

79-Au-198

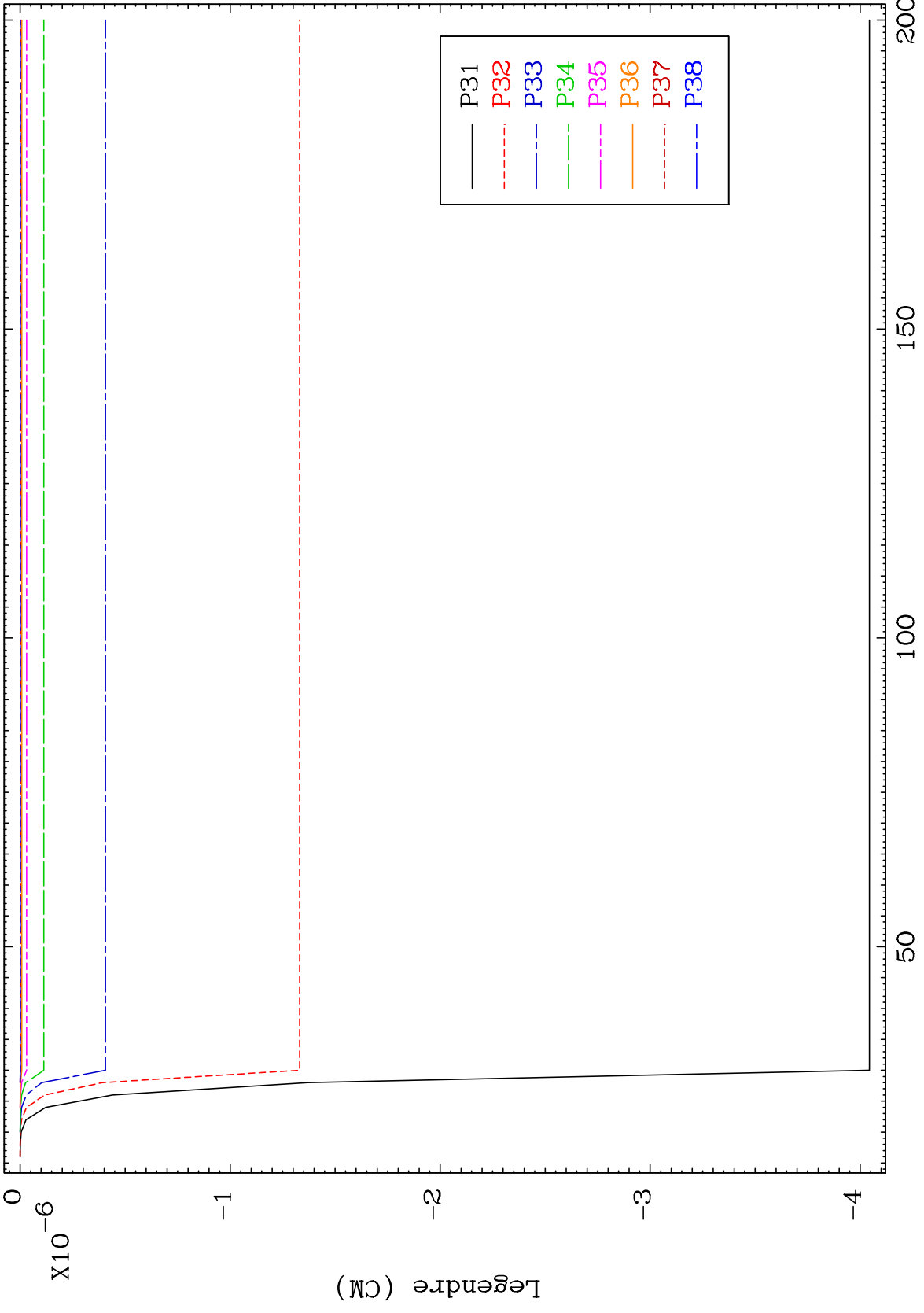


119

Incident Energy (MeV)

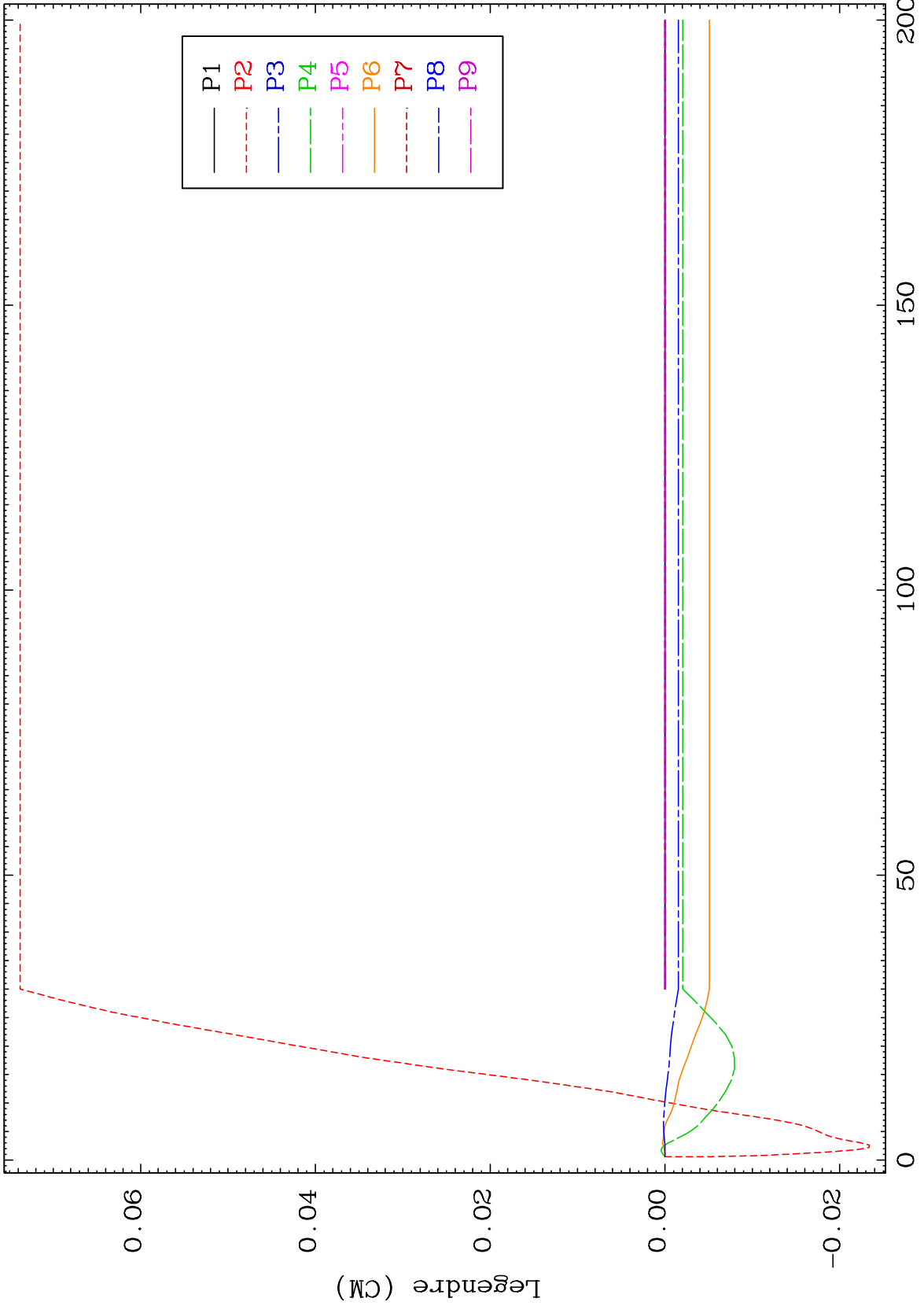
79-Au-198

MAT 7928 MT= 78 (n,n') Level Legendre Coefficients 79-Au-198



120 Incident Energy (MeV) 79-Au-198

MAT 7928 MT= 79 (n,n') Level Legendre Coefficients 79-Au-198

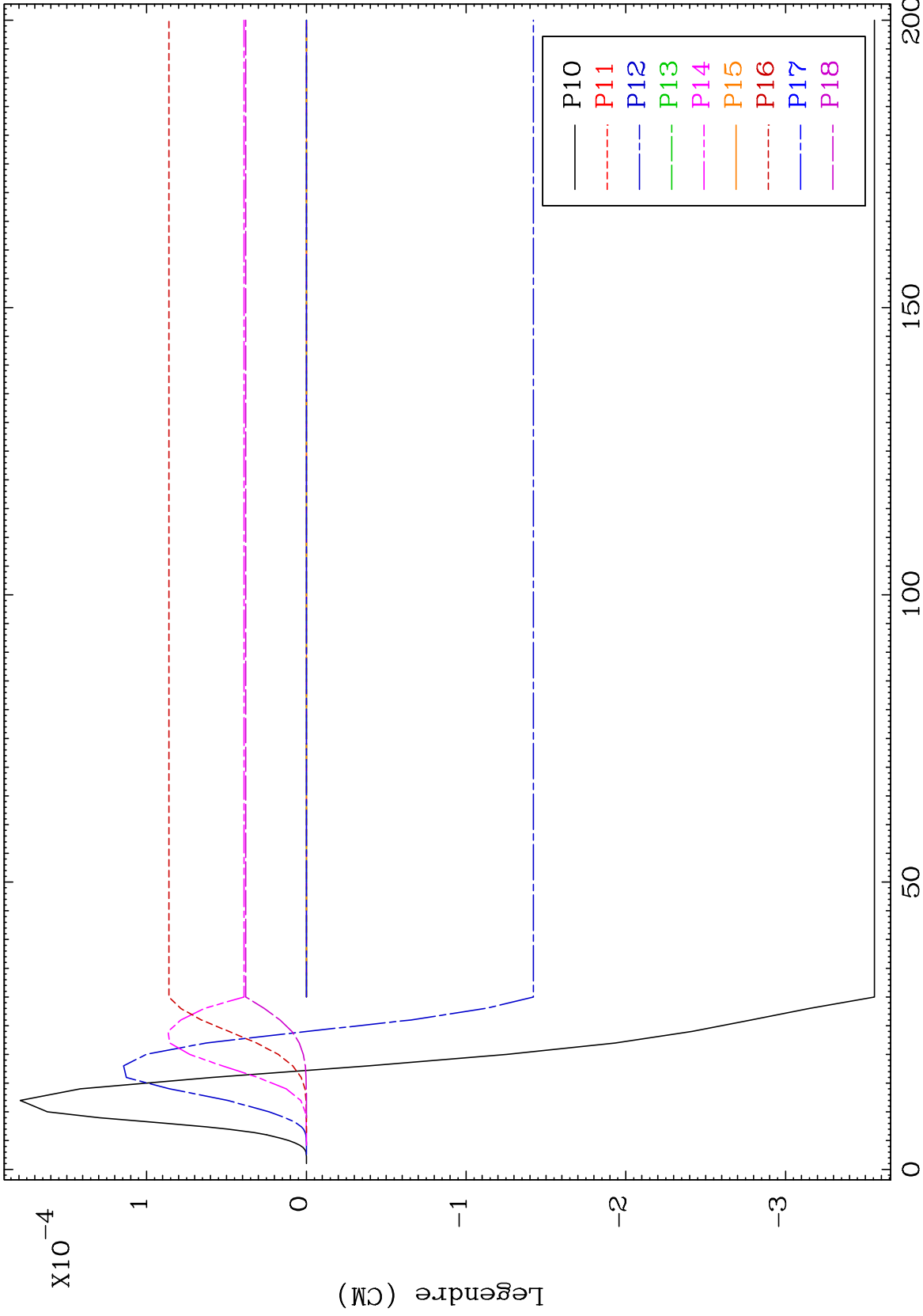


121 79-Au-198

MAT 7928

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

79-Au-198



122

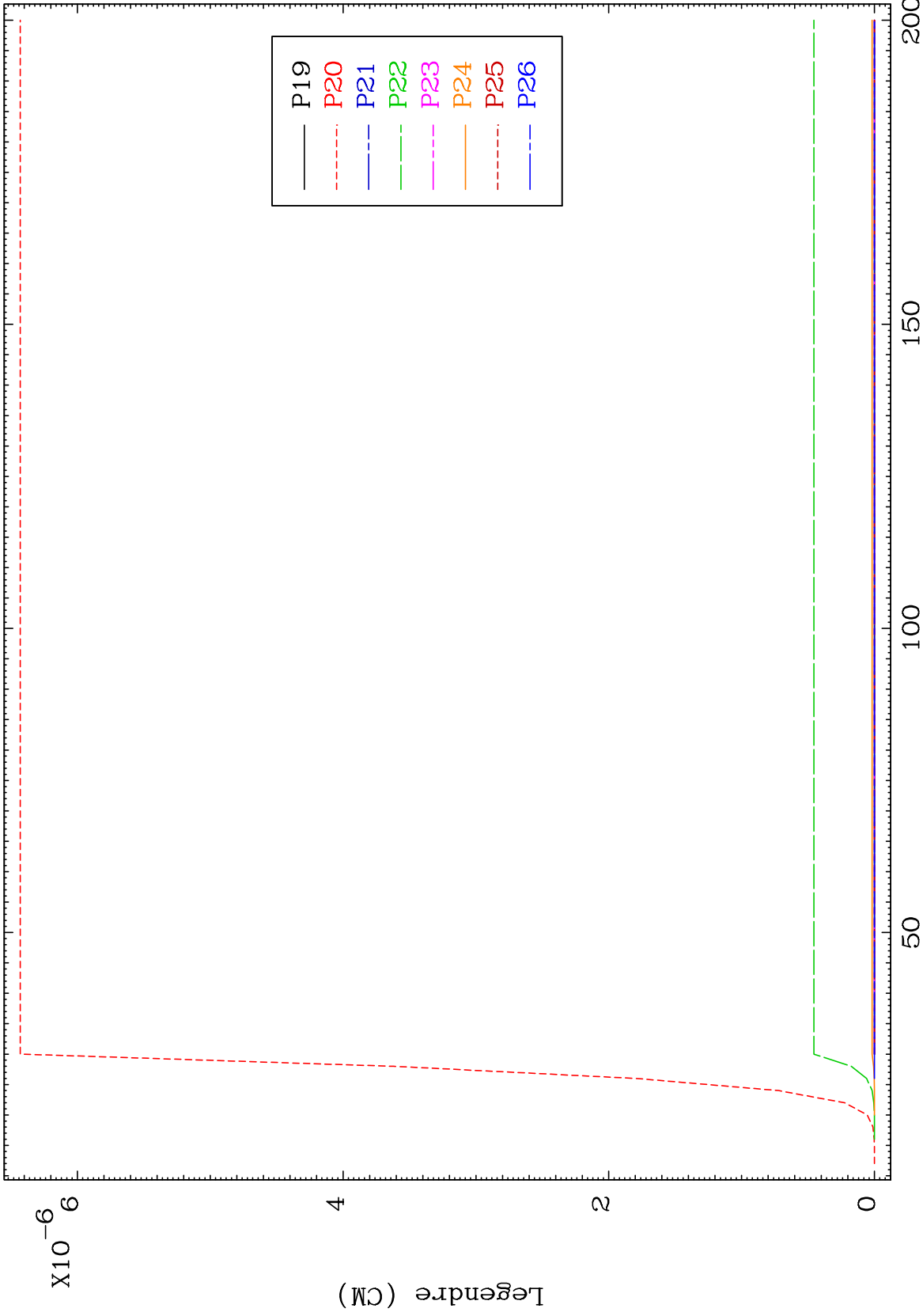
Incident Energy (MeV)

79-Au-198

MAT 7928

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

79-Au-198



123

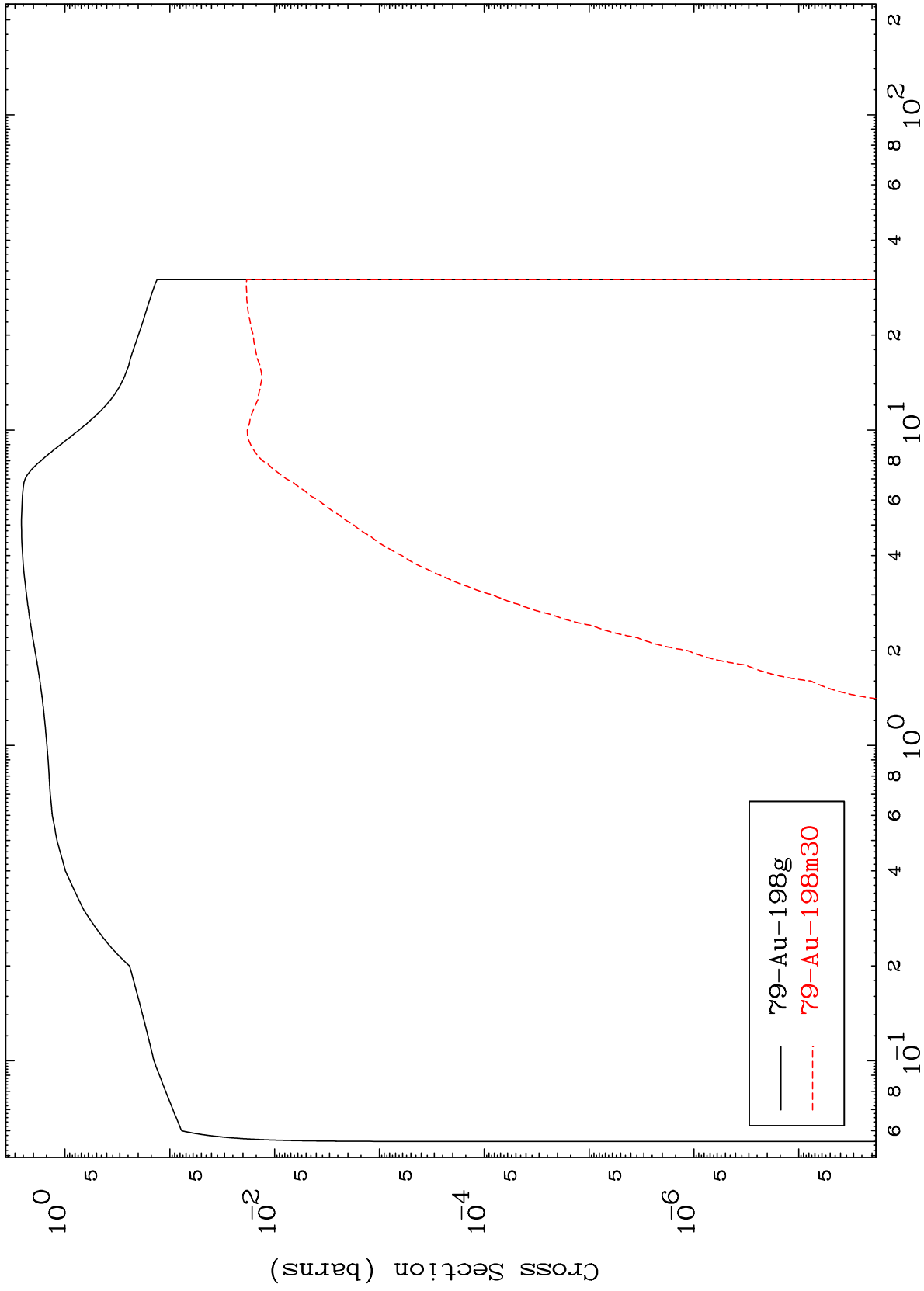
Incident Energy (MeV)

79-Au-198

MAT 7928

79-Au-198

Inelastic
Radionuclide Production Cross Section

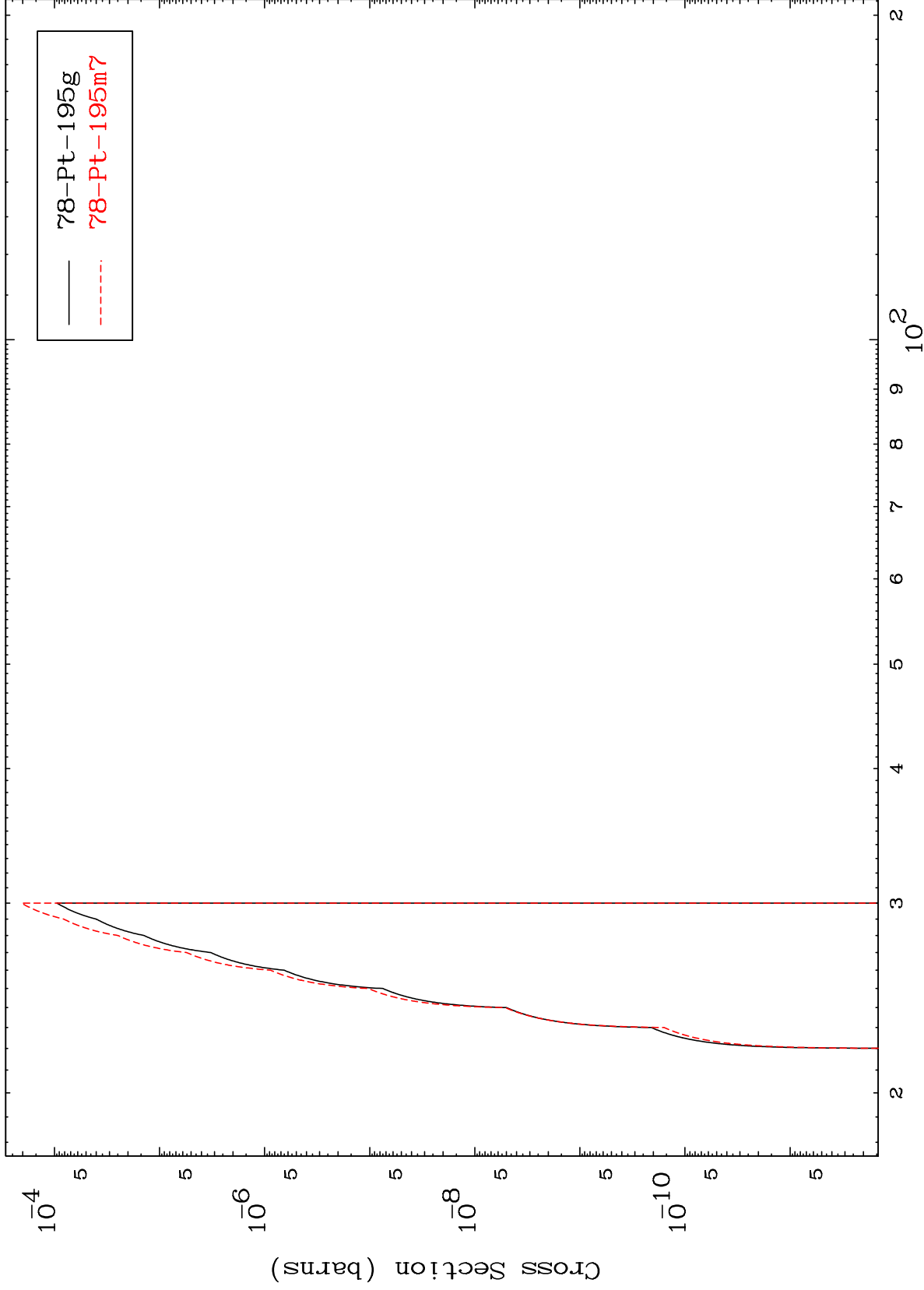


MAT 7928

(n,2n) d

79-Au-198

Radionuclide Production Cross Section



125

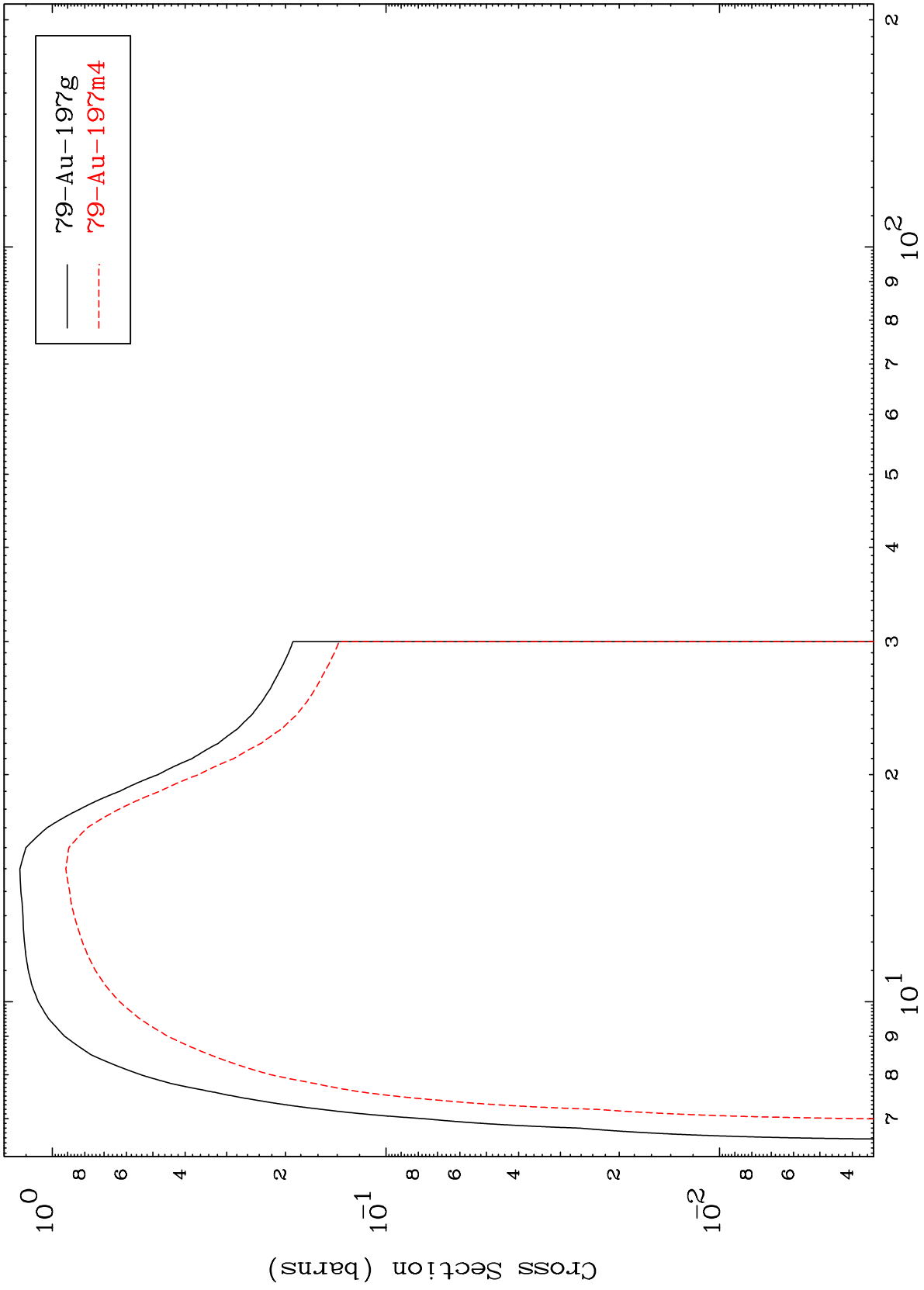
Incident Energy (MeV)

79-Au-198

MAT 7928

79-Au-198

(n,2n)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

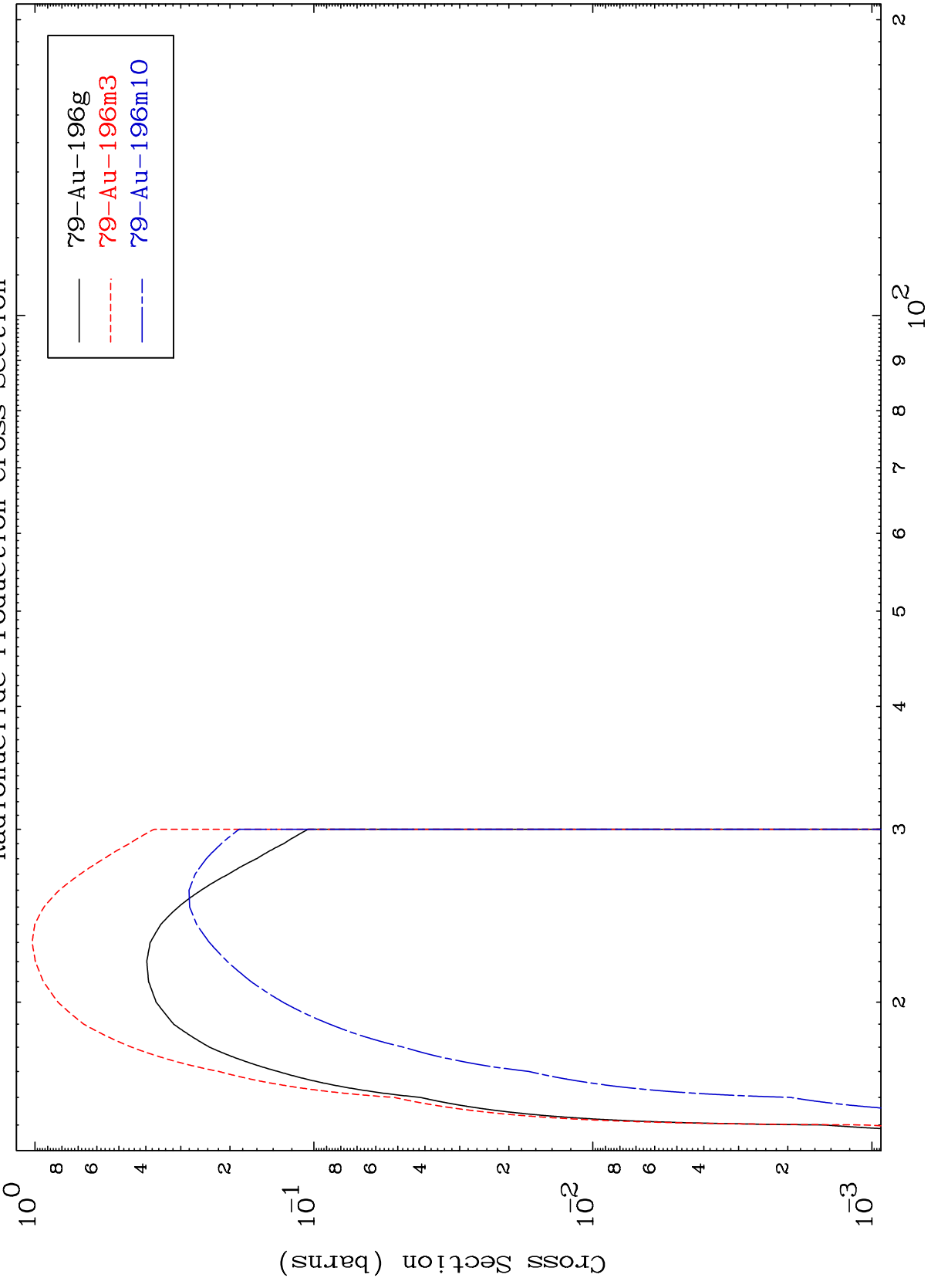
79-Au-198

MAT 7928

(n,3n)

⁷⁹Au-198

Radionuclide Production Cross Section



79-Au-196g
79-Au-196m3
79-Au-196m10

127

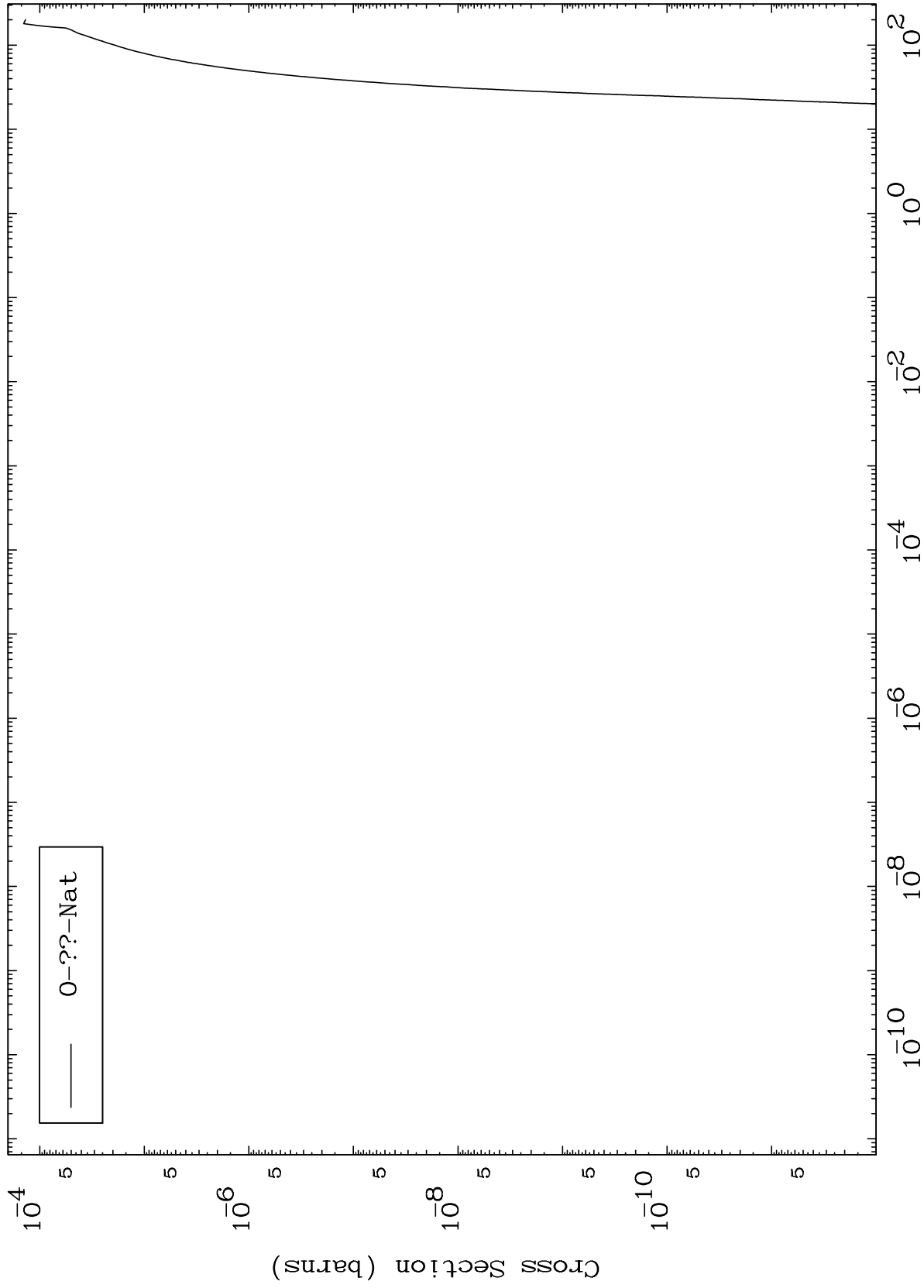
Incident Energy (MeV)

⁷⁹Au-198

MAT 7928

Fission
Radionuclide Production Cross Section

79-Au-198



128

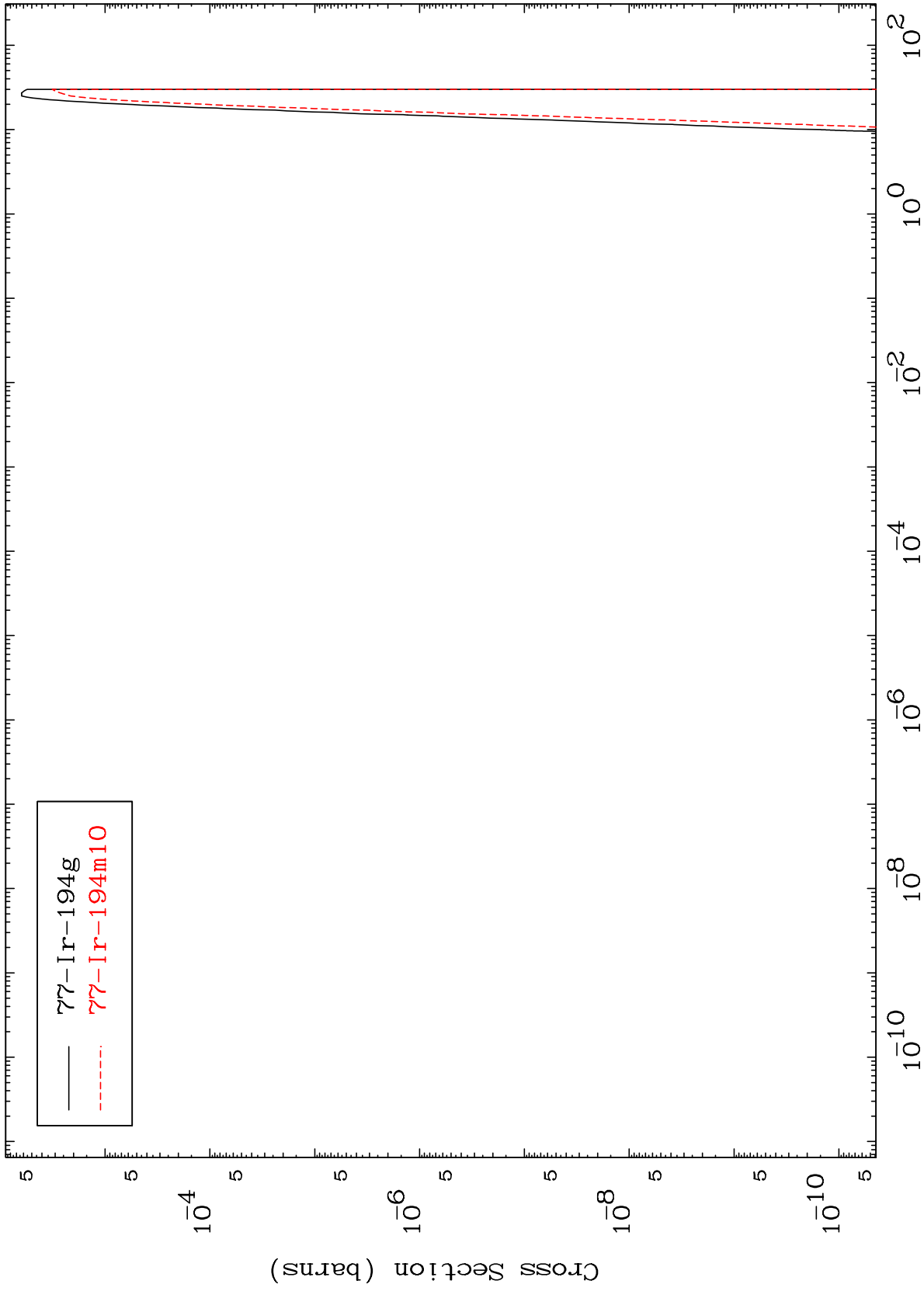
79-Au-198

MAT 7928

(n,n') α

⁷⁹Au-198

Radionuclide Production Cross Section



129

Incident Energy (MeV)

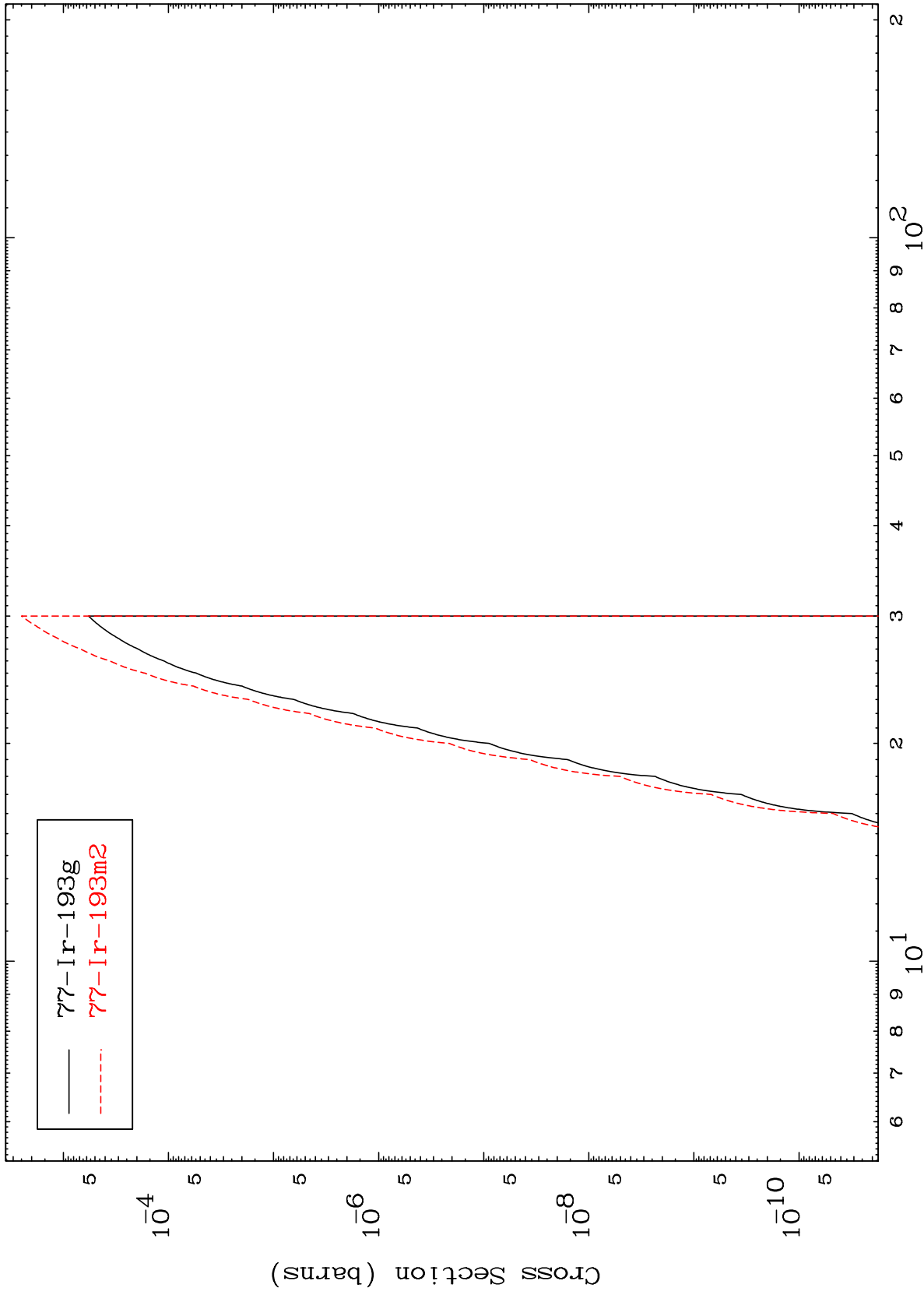
⁷⁹Au-198

MAT 7928

$(n, 2n) \alpha$

⁷⁹Au-198

Radionuclide Production Cross Section



130

Incident Energy (MeV)

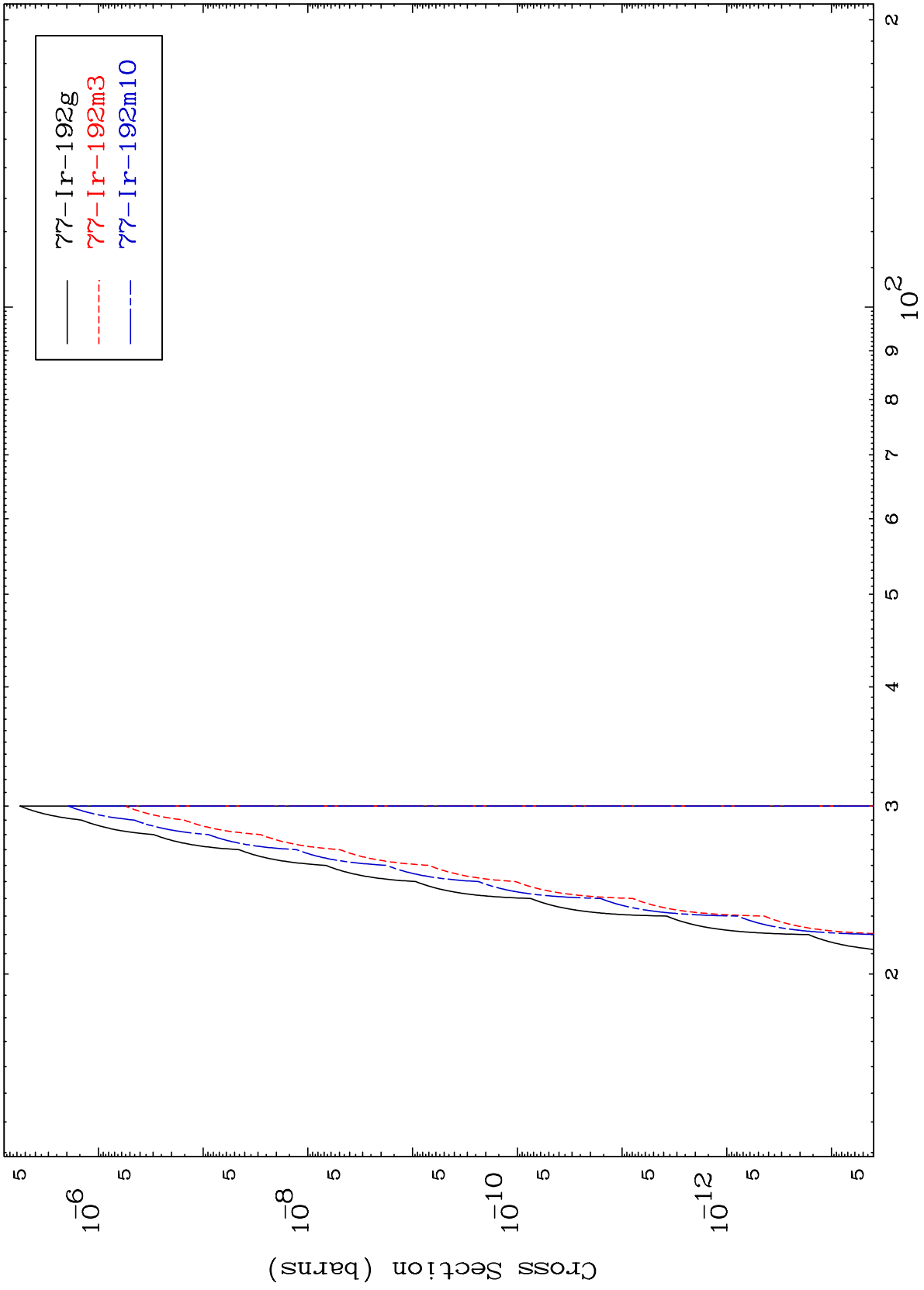
⁷⁹Au-198

MAT 7928

(n,3n) α

79-Au-198

Radionuclide Production Cross Section



131

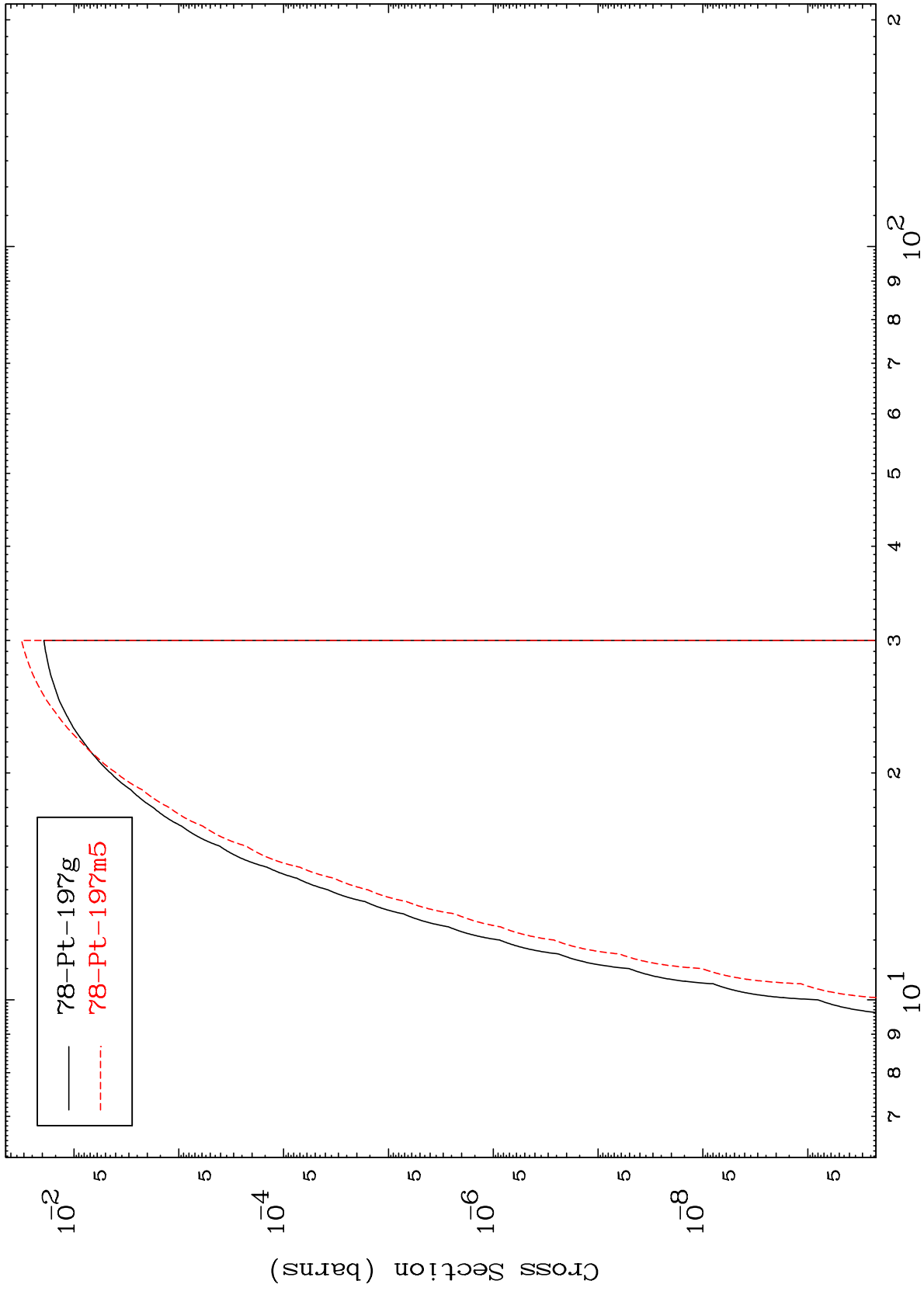
Incident Energy (MeV)

79-Au-198

MAT 7928

79-Au-198

(n,n') p
Radionuclide Production Cross Section



132

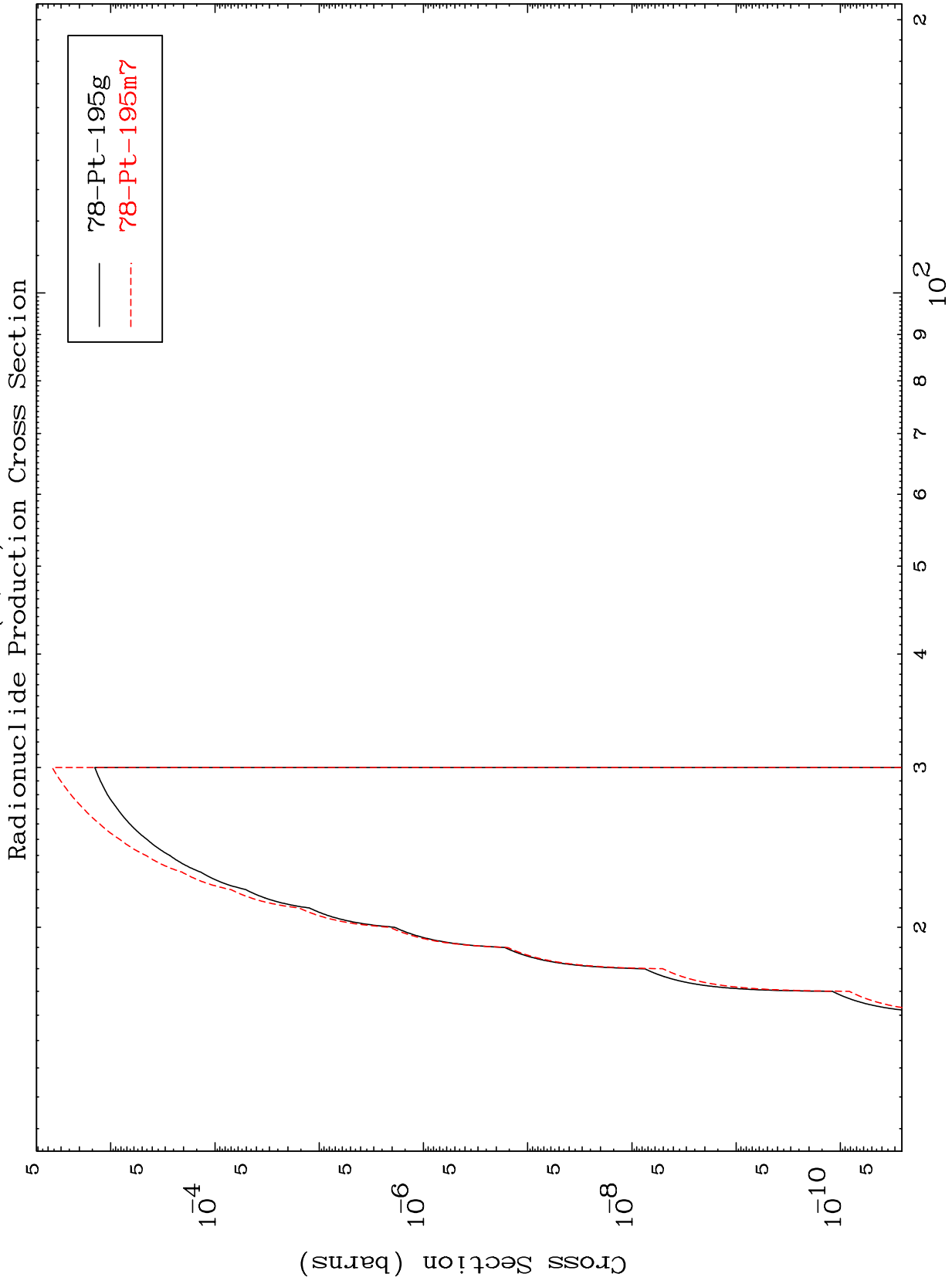
Incident Energy (MeV)

79-Au-198

MAT 7928

(n,n') t

79-Au-198



133

Incident Energy (MeV)

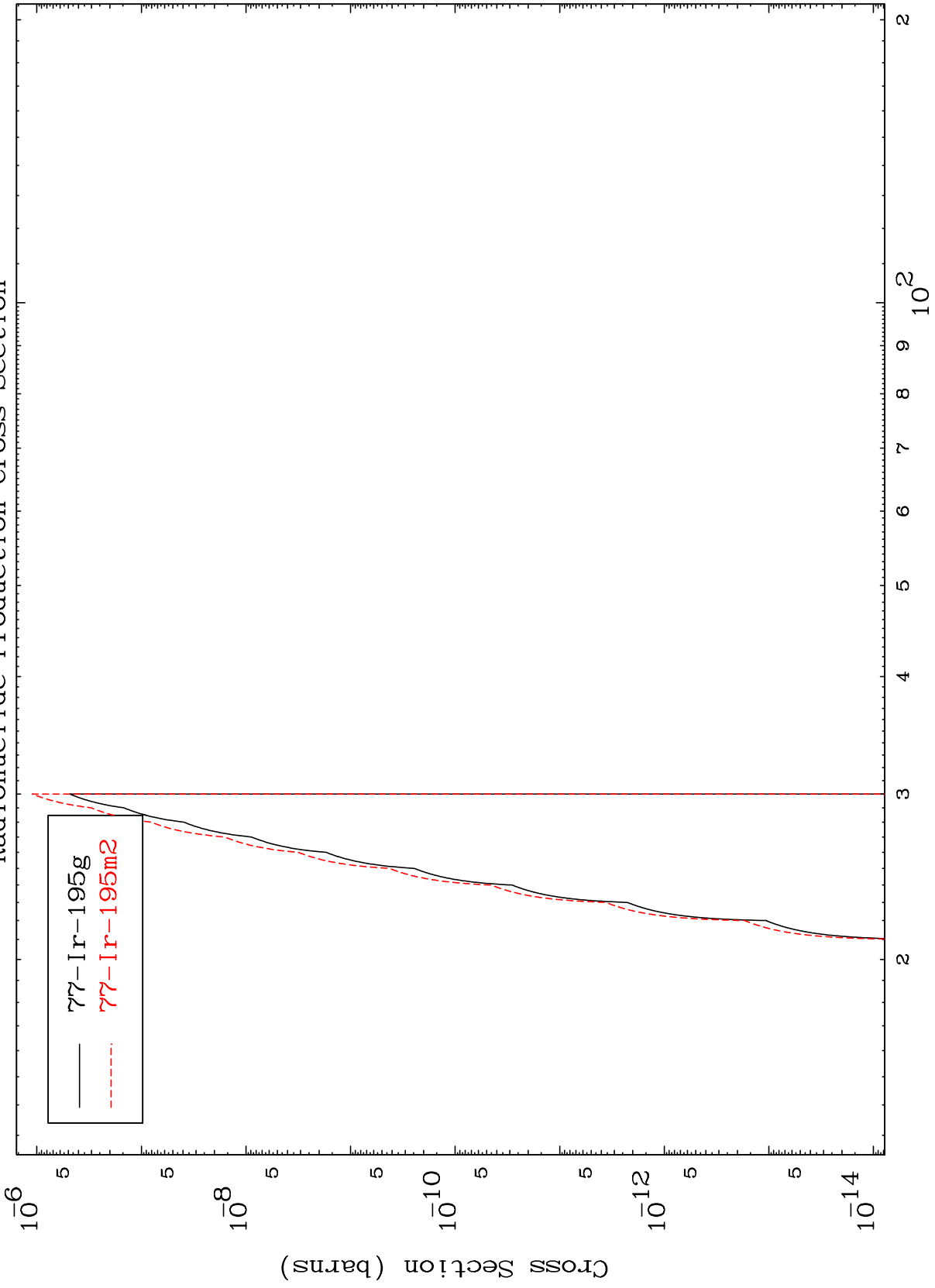
79-Au-198

MAT 7928

(n, n') He-3

79-Au-198

Radionuclide Production Cross Section



134

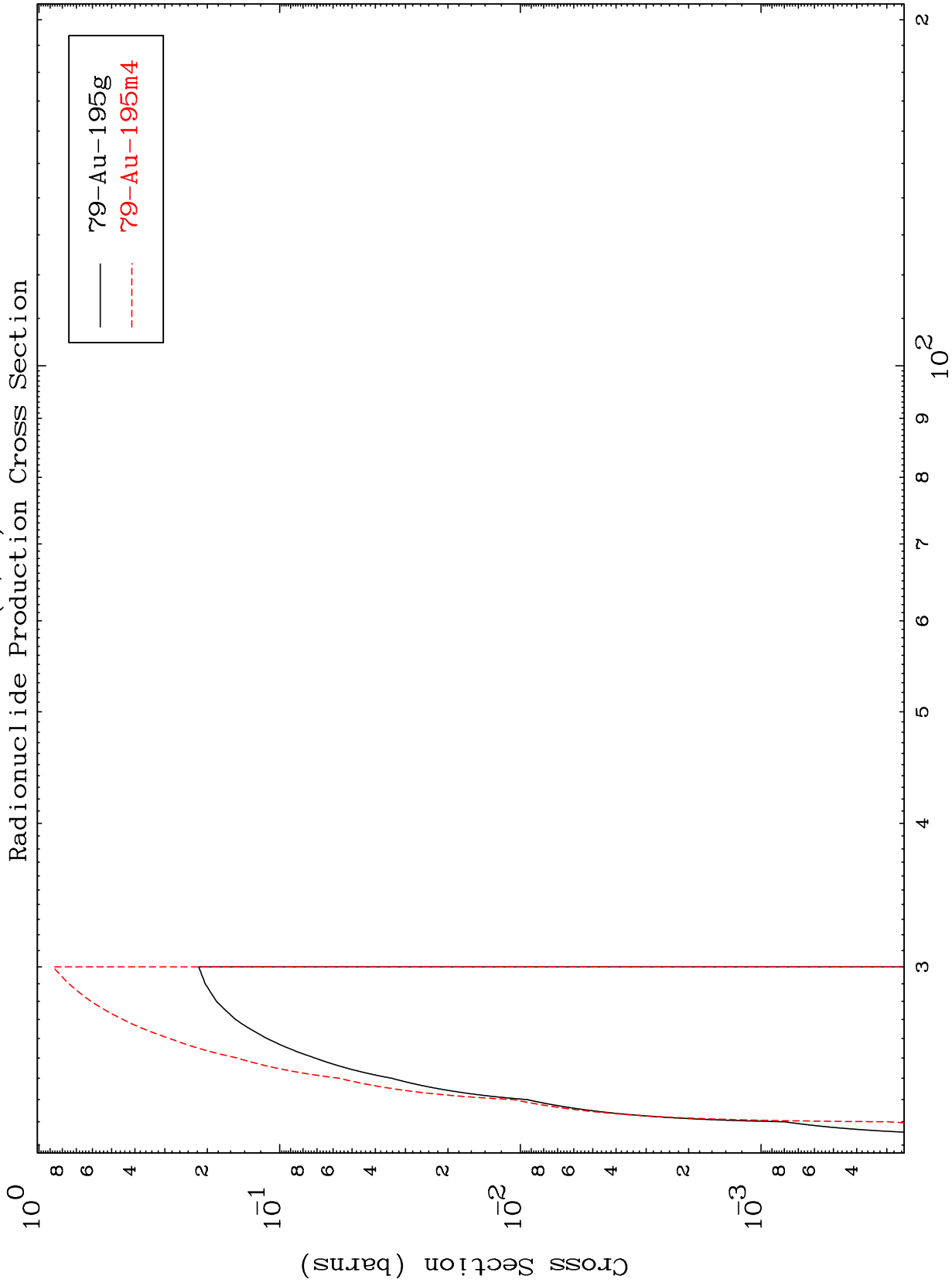
Incident Energy (MeV)

79-Au-198

MAT 7928

(n,4n)

79-Au-198



135

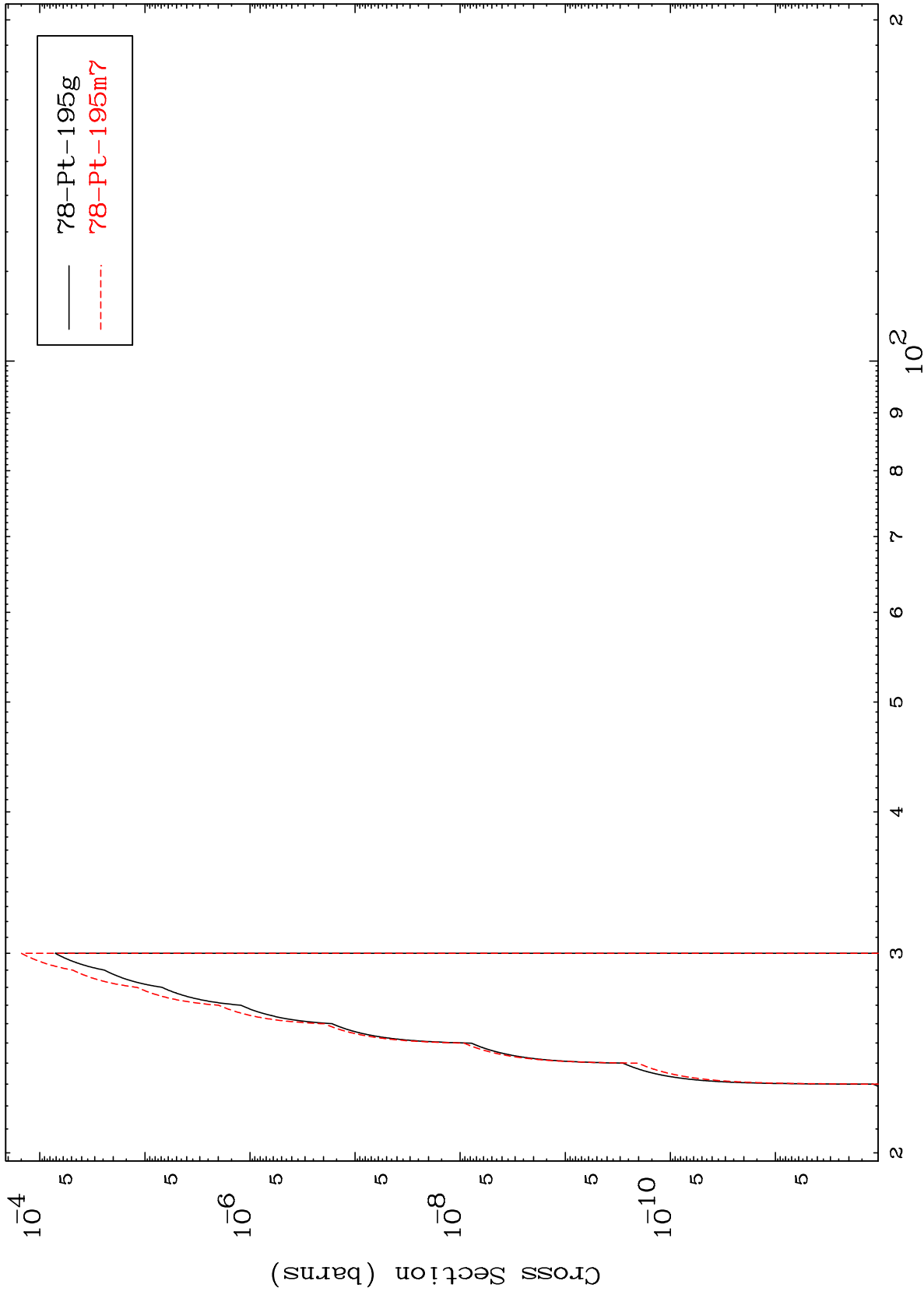
79-Au-198

MAT 7928

(n,3n) p

79-Au-198

Radionuclide Production Cross Section



136

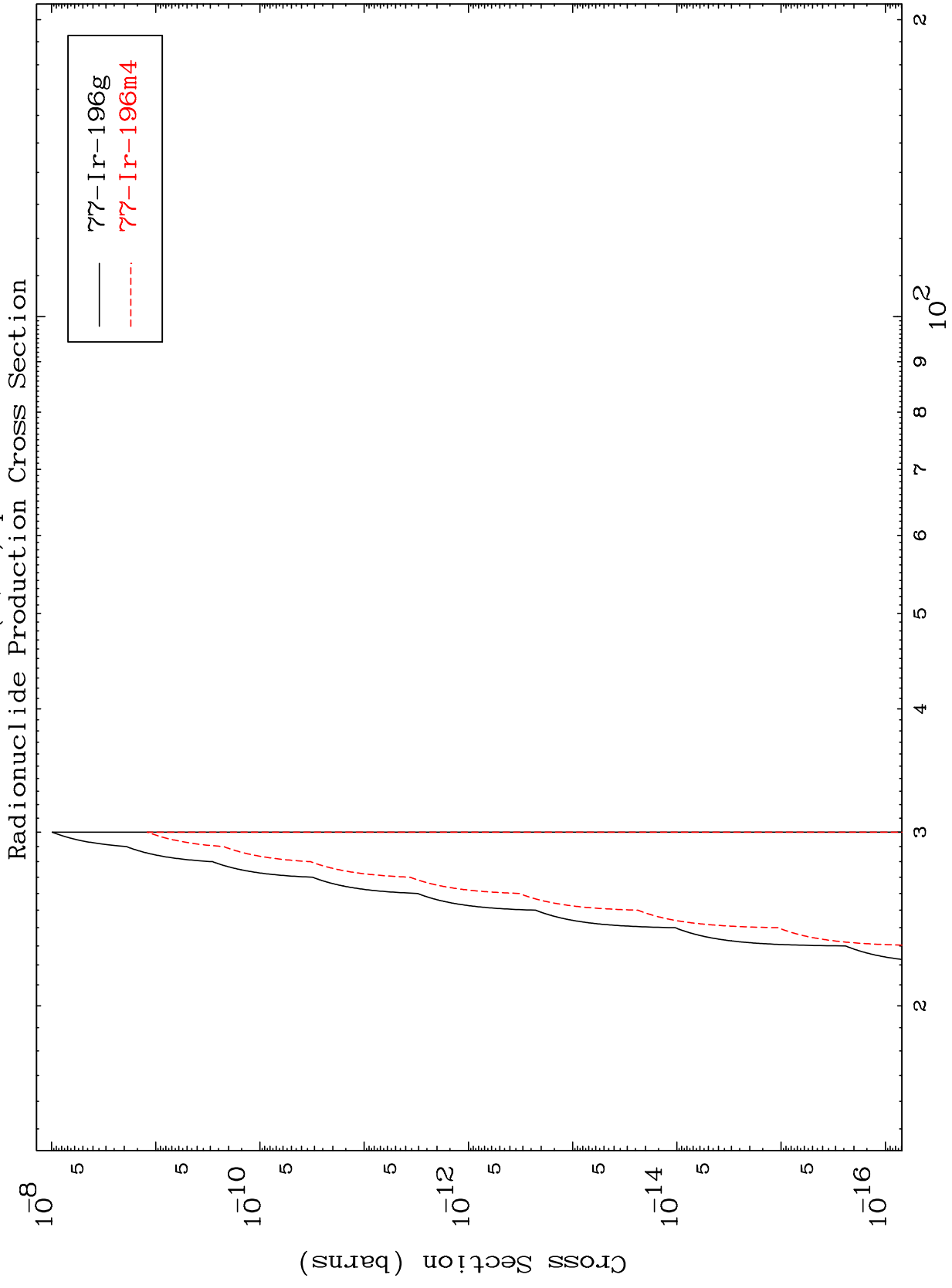
Incident Energy (MeV)

79-Au-198

MAT 7928

(n,2n) p

79-Au-198



137

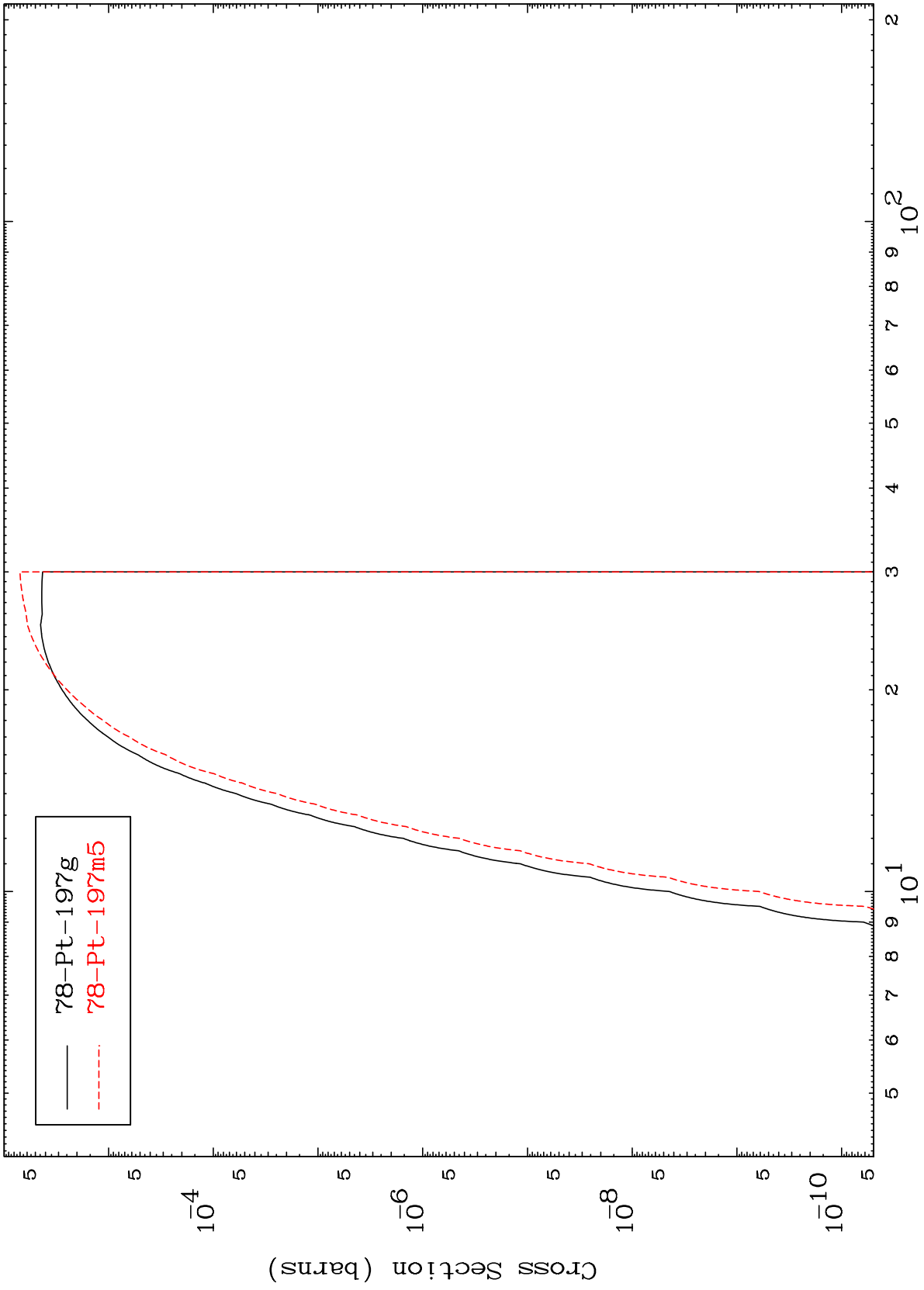
Incident Energy (MeV)

79-Au-198

MAT 7928

79-Au-198

(n,d)
Radionuclide Production Cross Section



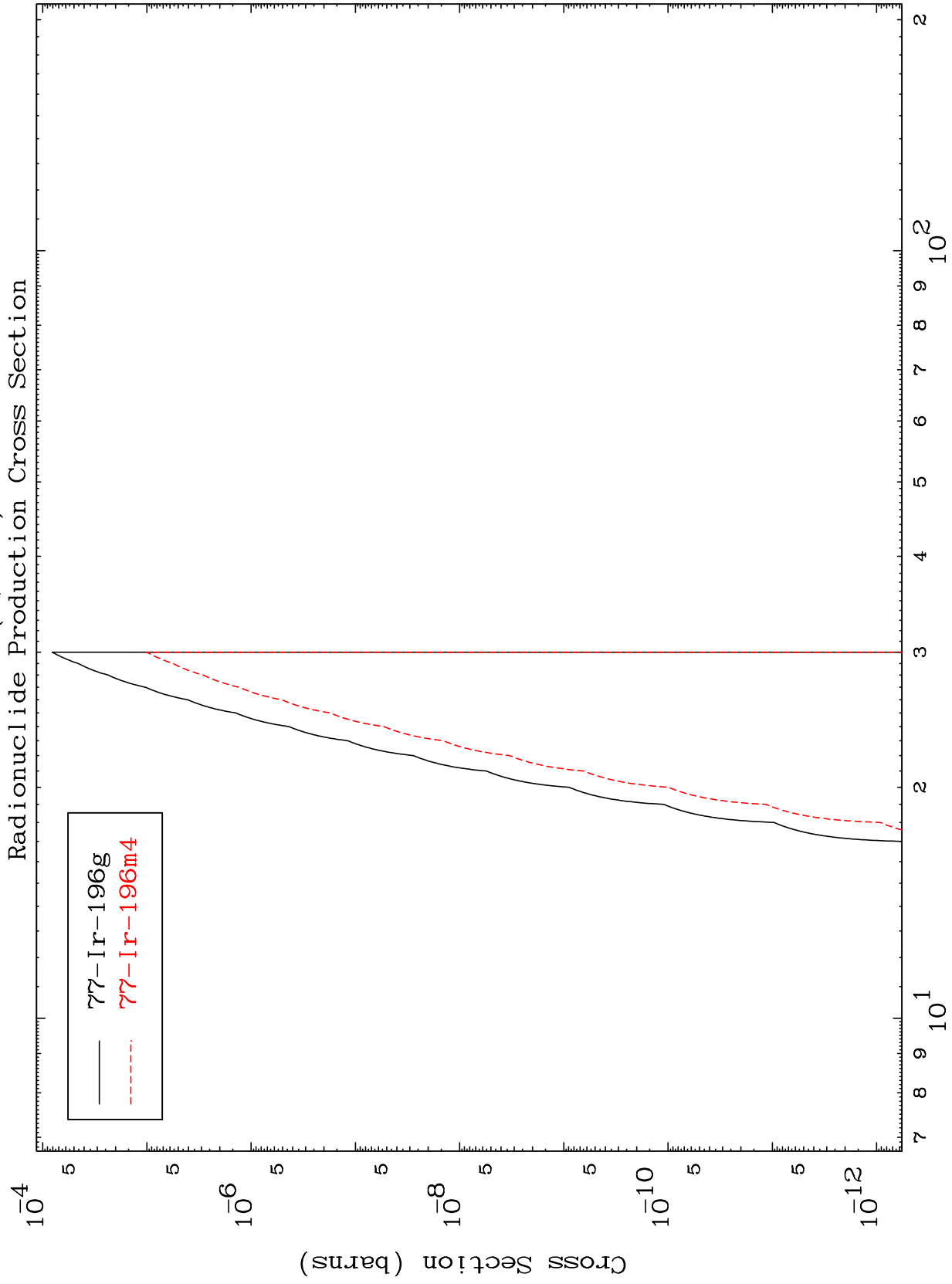
138

79-Au-198

MAT 7928

(n, He-3)

79-Au-198



— $^{77}\text{Ir-196g}$
- - - $^{77}\text{Ir-196m4}$

139

Incident Energy (MeV)

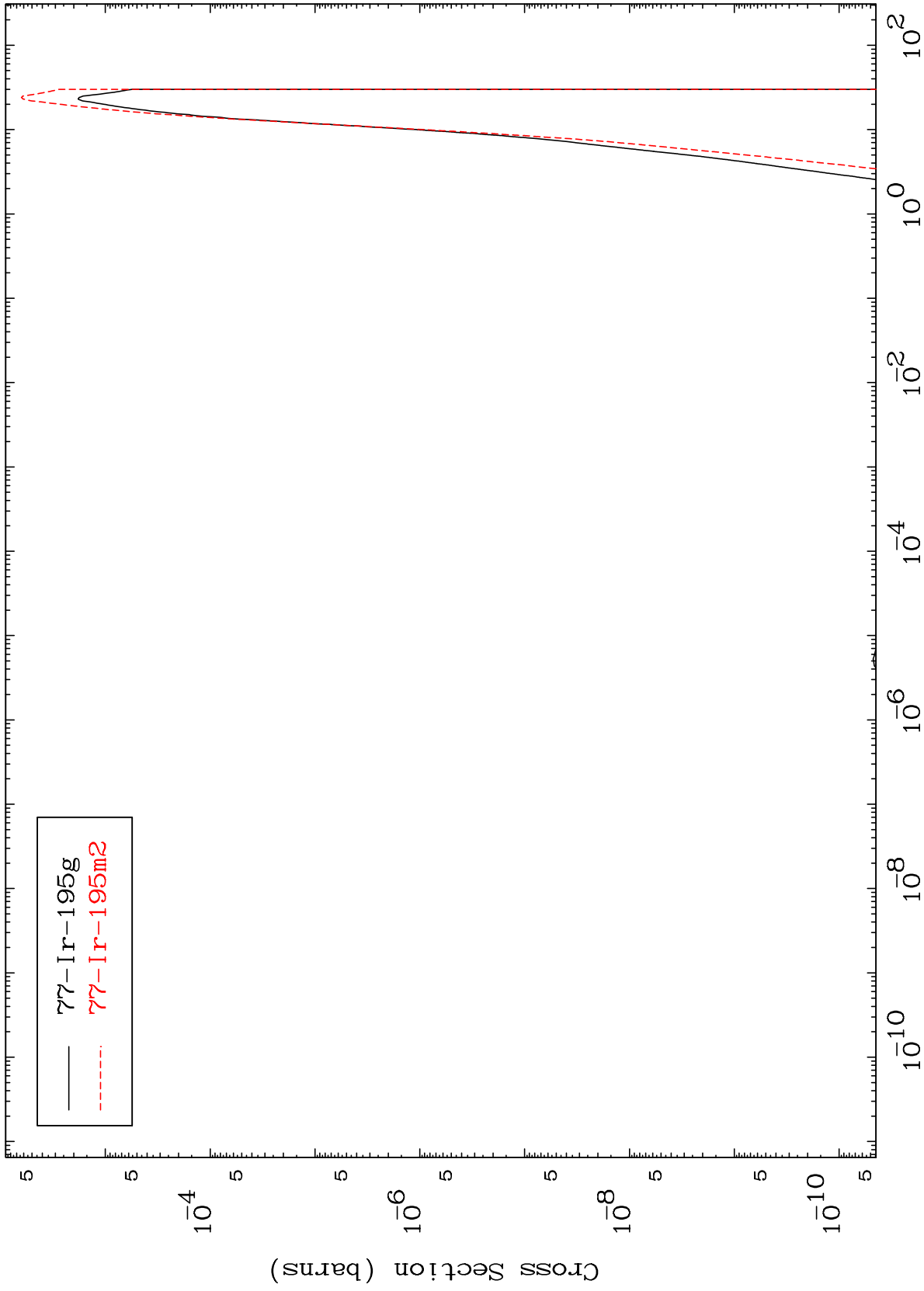
79-Au-198

MAT 7928

(n, α)

79-Au-198

Radionuclide Production Cross Section



140

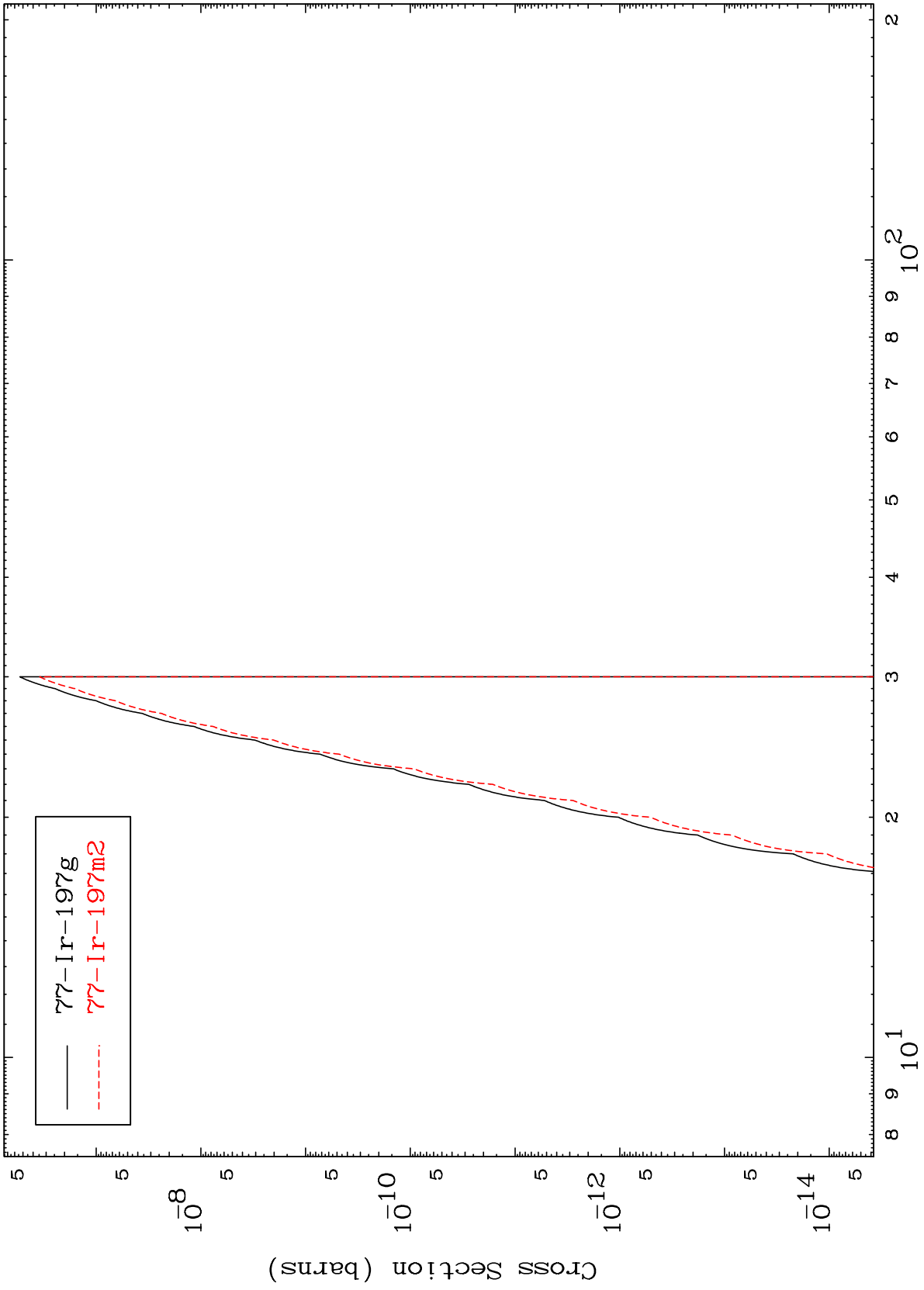
Incident Energy (MeV)

79-Au-198

MAT 7928

79-Au-198

Radionuclide Production Cross Section
(n,2p)



141

79-Au-198