

Program EVALPLOT
(Version 2018-1)

by

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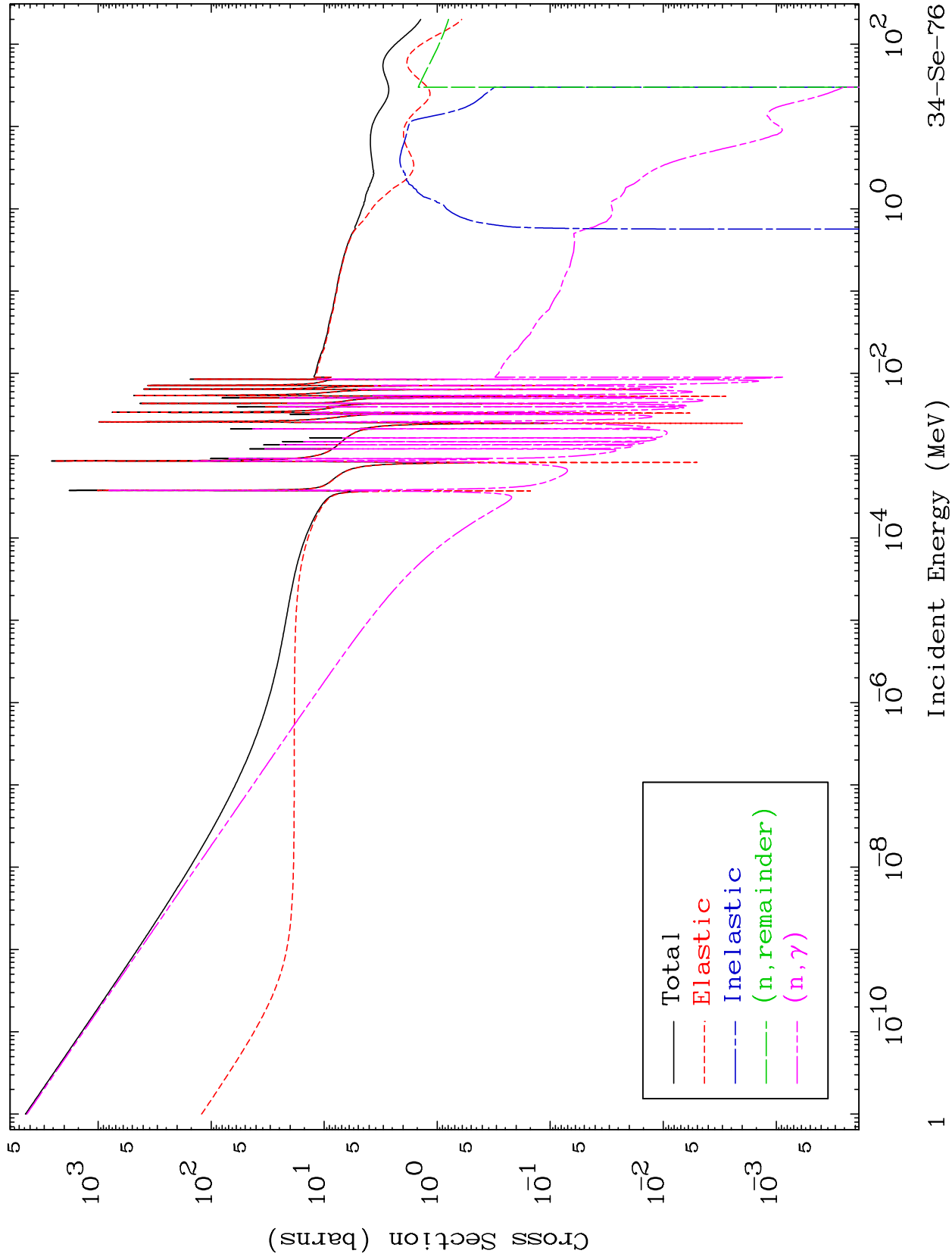
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3431

Major
293 Kelvin Cross Sections

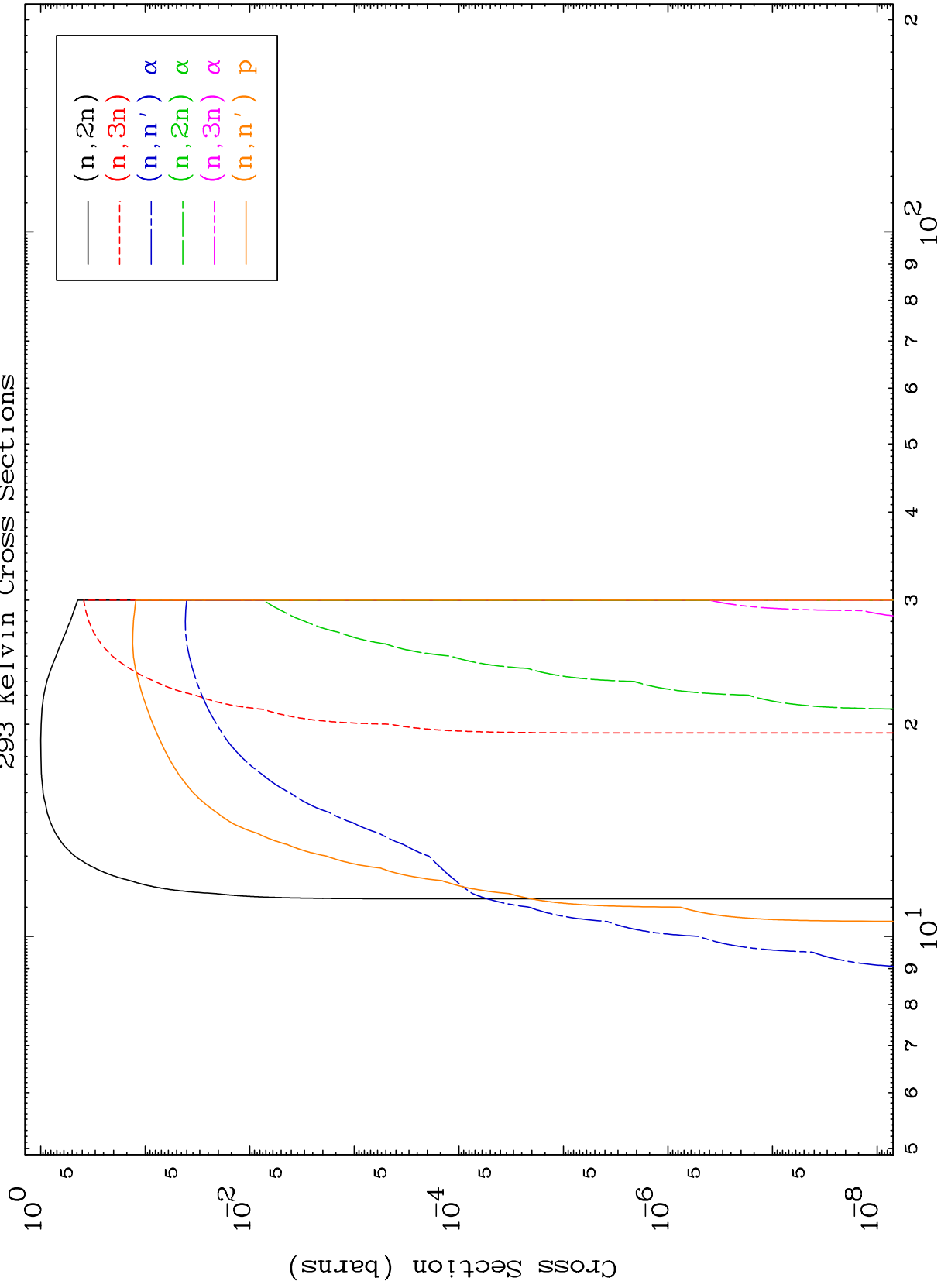
34-Se-76



MAT 3431

Neutron Production
293 Kelvin Cross Sections

34-Se-76



2

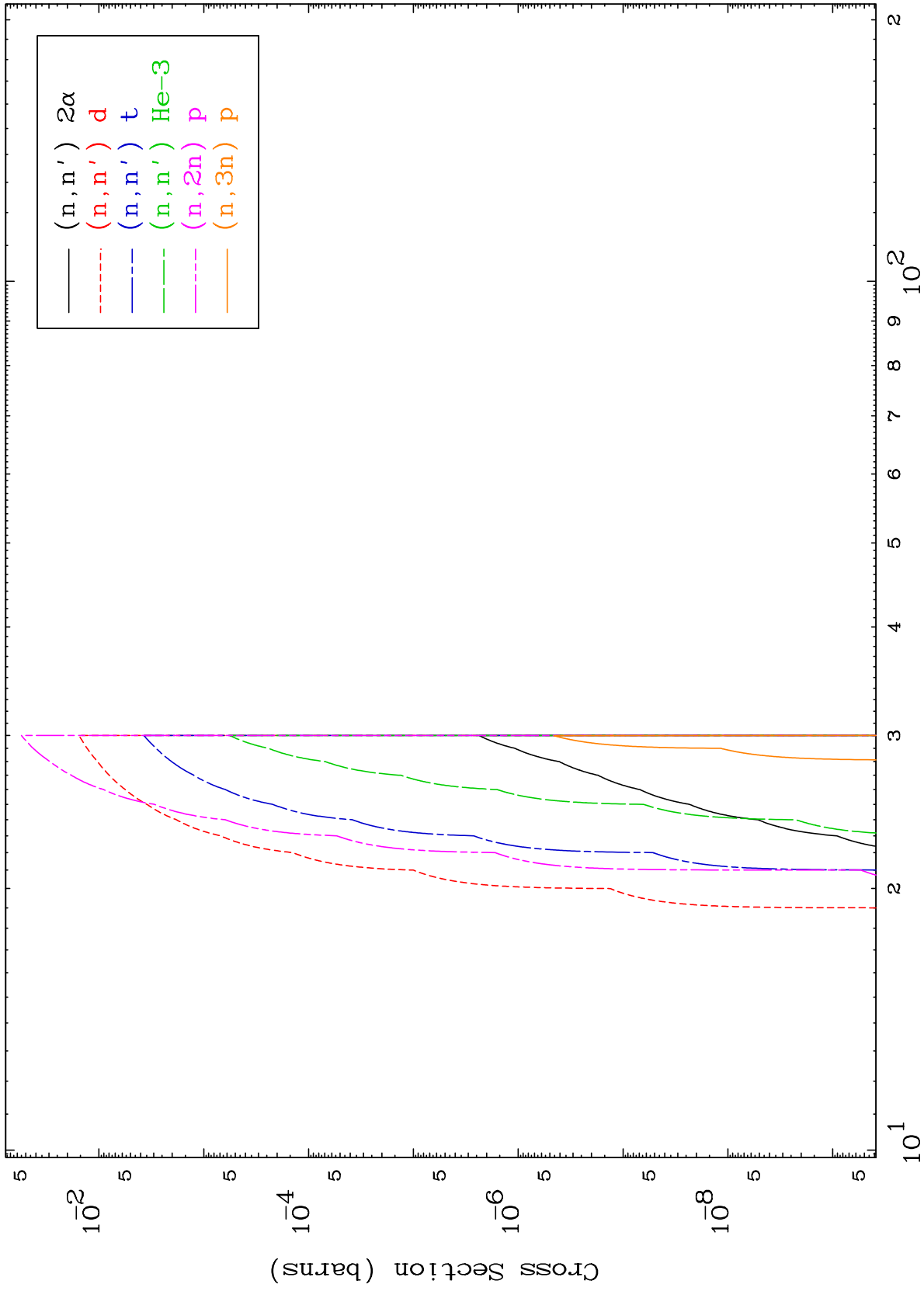
Incident Energy (MeV)

34-Se-76

MAT 3431

Neutron Production 293 Kelvin Cross Sections

34-Se-76



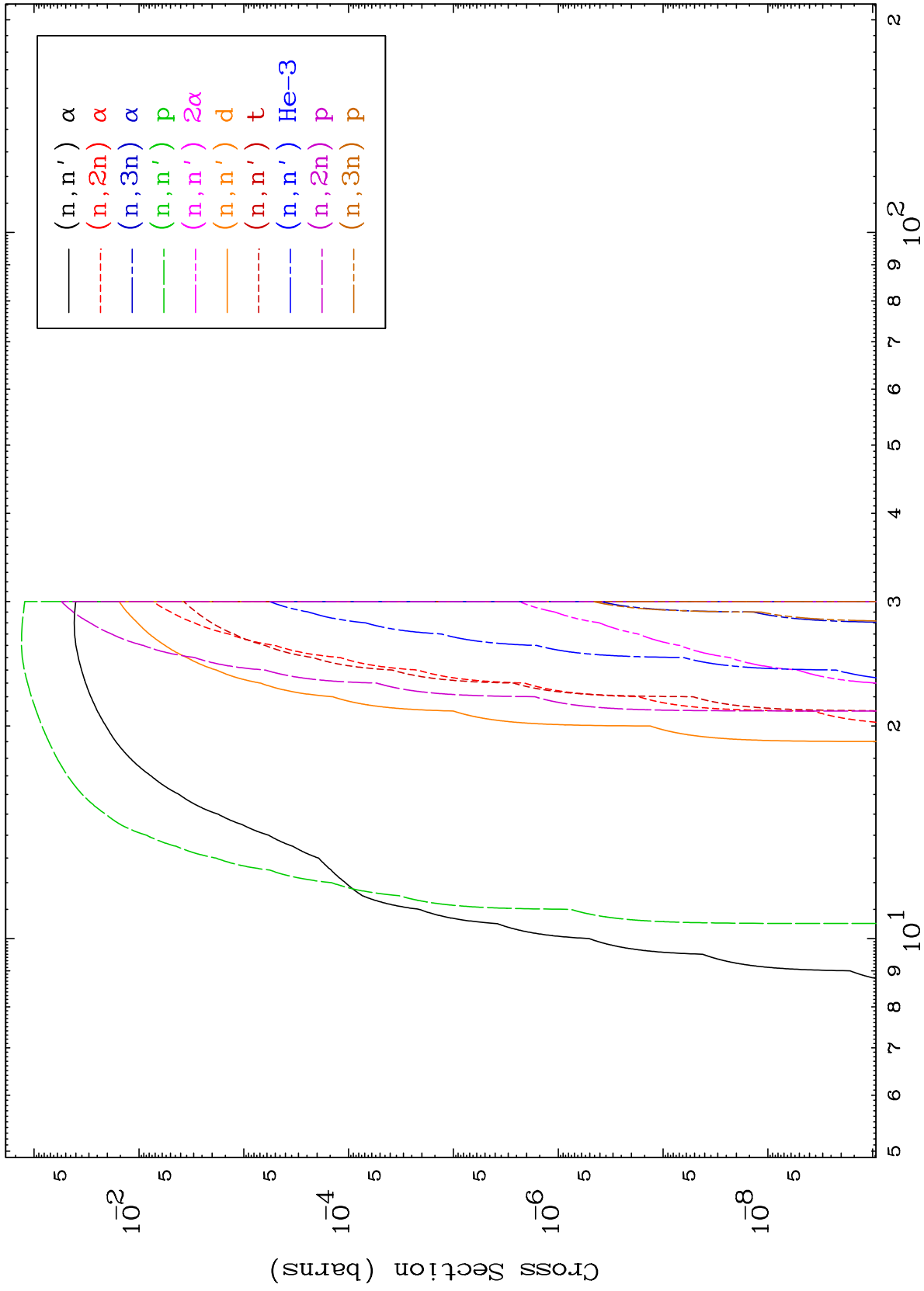
Incident Energy (MeV)

34-Se-76

MAT 3431

Charged Particle
293 Kelvin Cross Sections

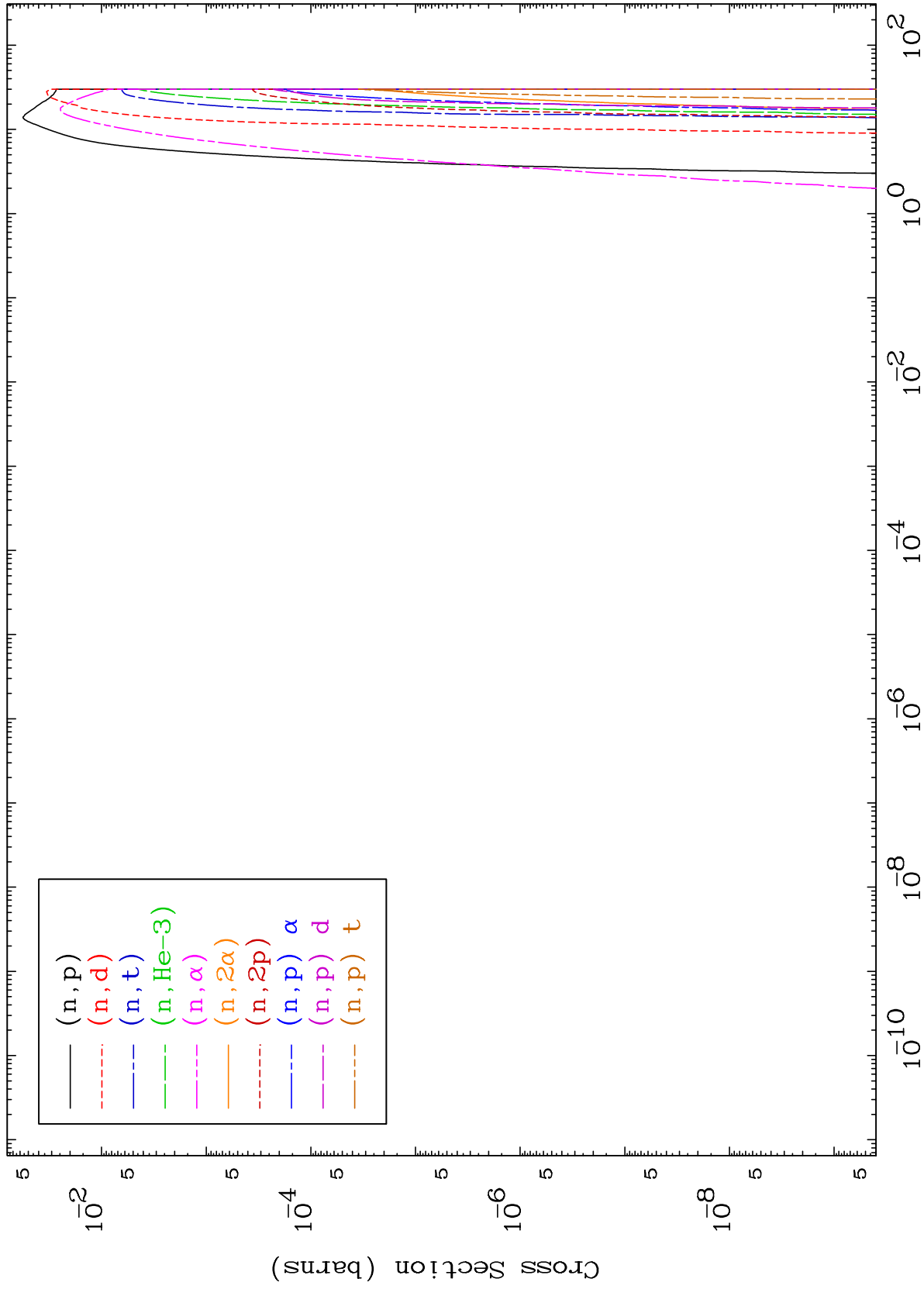
34-Se-76



MAT 3431

Charged Particle
293 Kelvin Cross Sections

34-Se-76



5

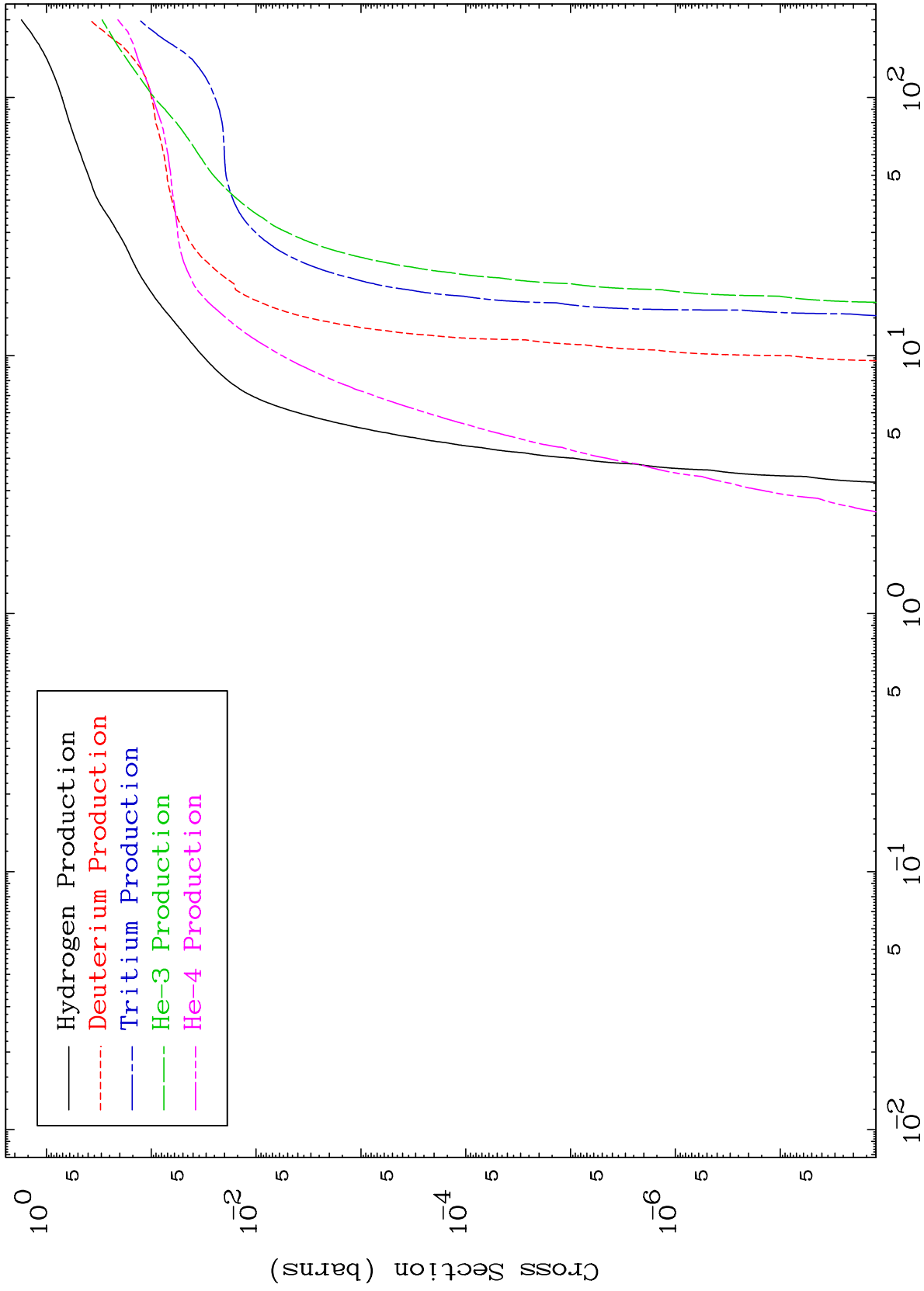
Incident Energy (MeV)

34-Se-76

MAT 3431

Particle Production
293 Kelvin Cross Sections

34-Se-76



34-Se-76

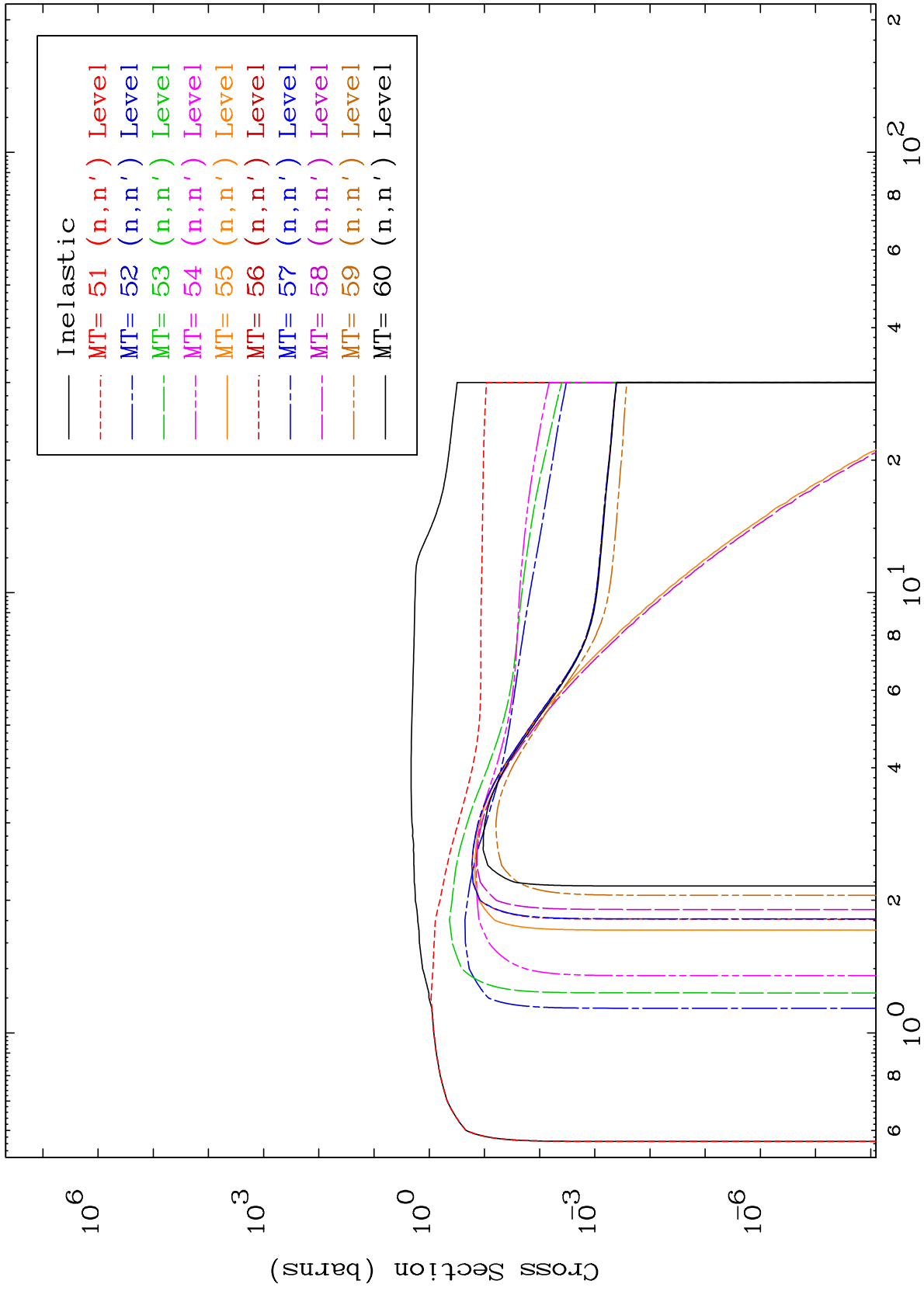
Incident Energy (MeV)

6

MAT 3431

(n,n') Level
293 Kelvin Cross Sections

34-Se-76



7

Incident Energy (MeV)

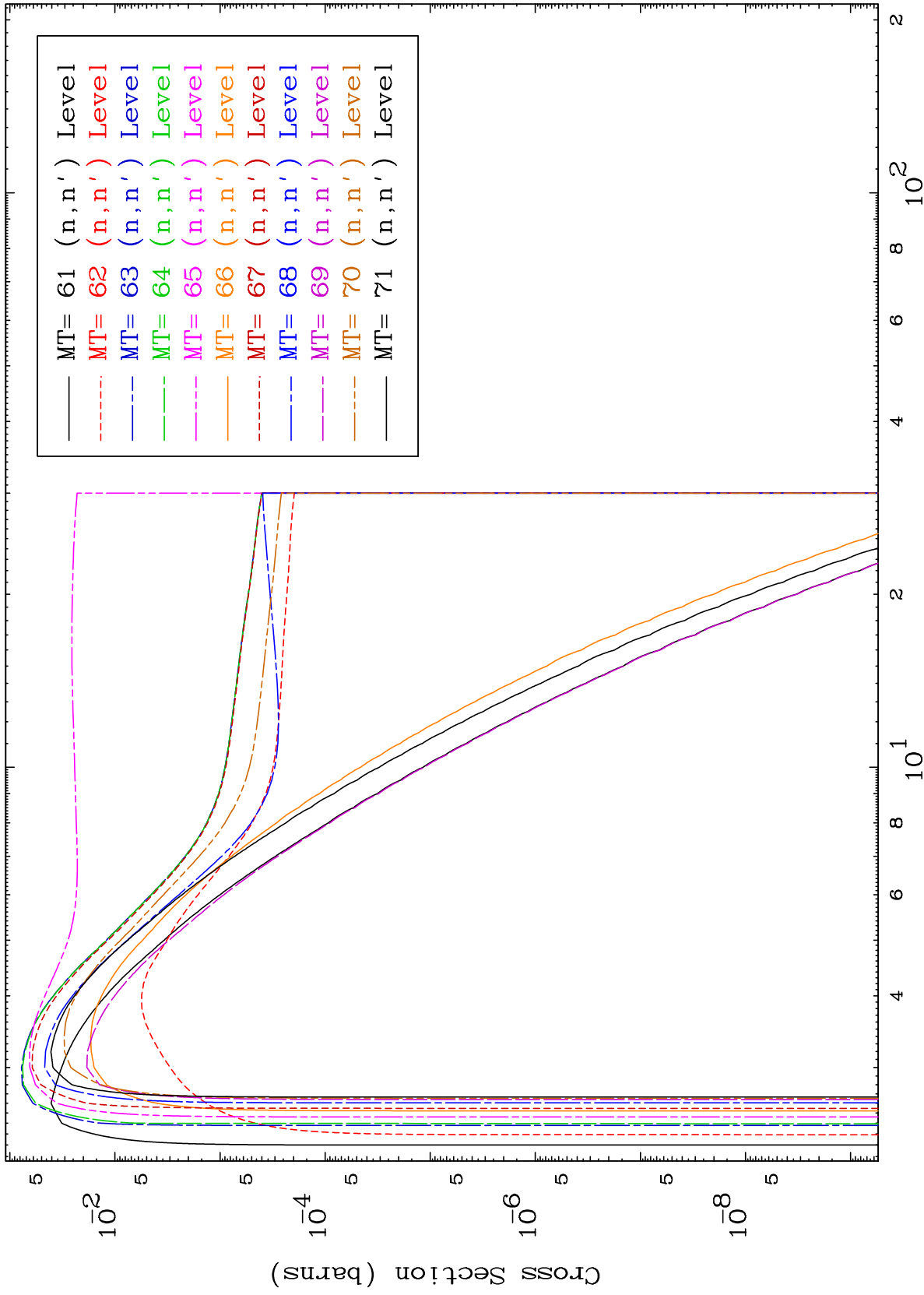
34-Se-76

MAT 3431

(n,n') Level

34-Se-76

293 Kelvin Cross Sections



8

Incident Energy (MeV)

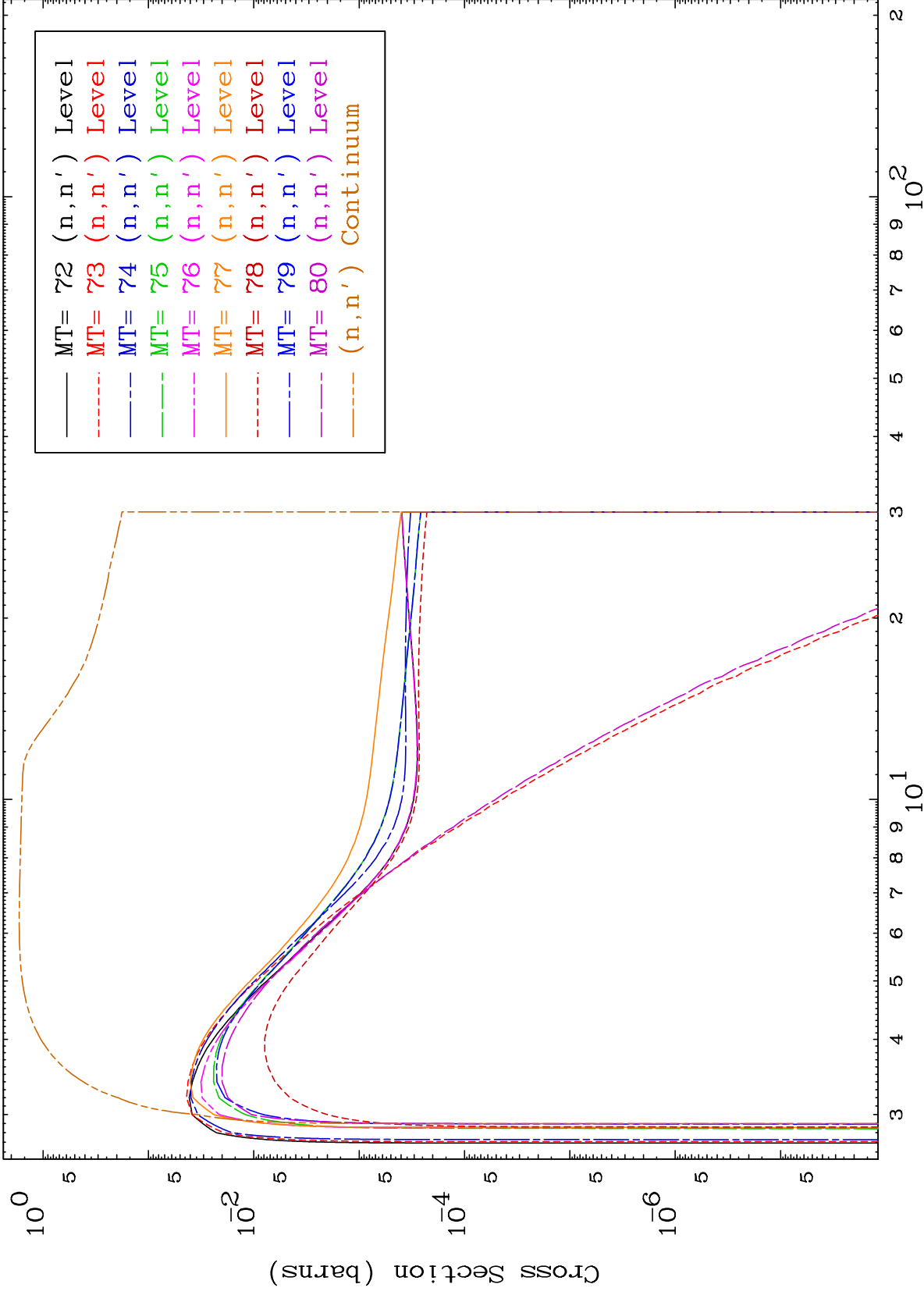
34-Se-76

MAT 3431

(n,n') Level

34-Se-76

293 Kelvin Cross Sections



9

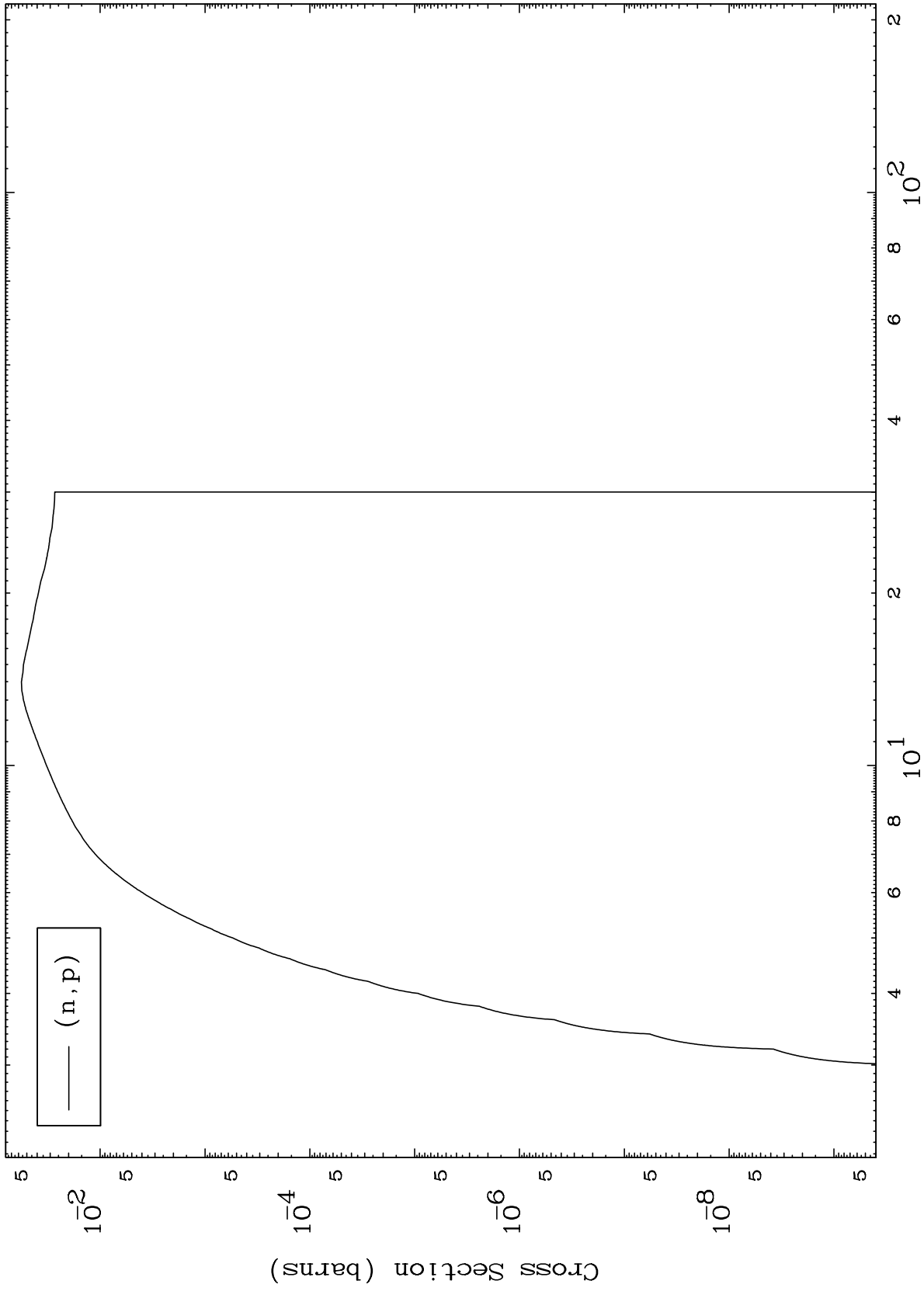
Incident Energy (MeV)

34-Se-76

MAT 3431

(n,p) Levels
293 Kelvin Cross Sections

34-Se-76



10

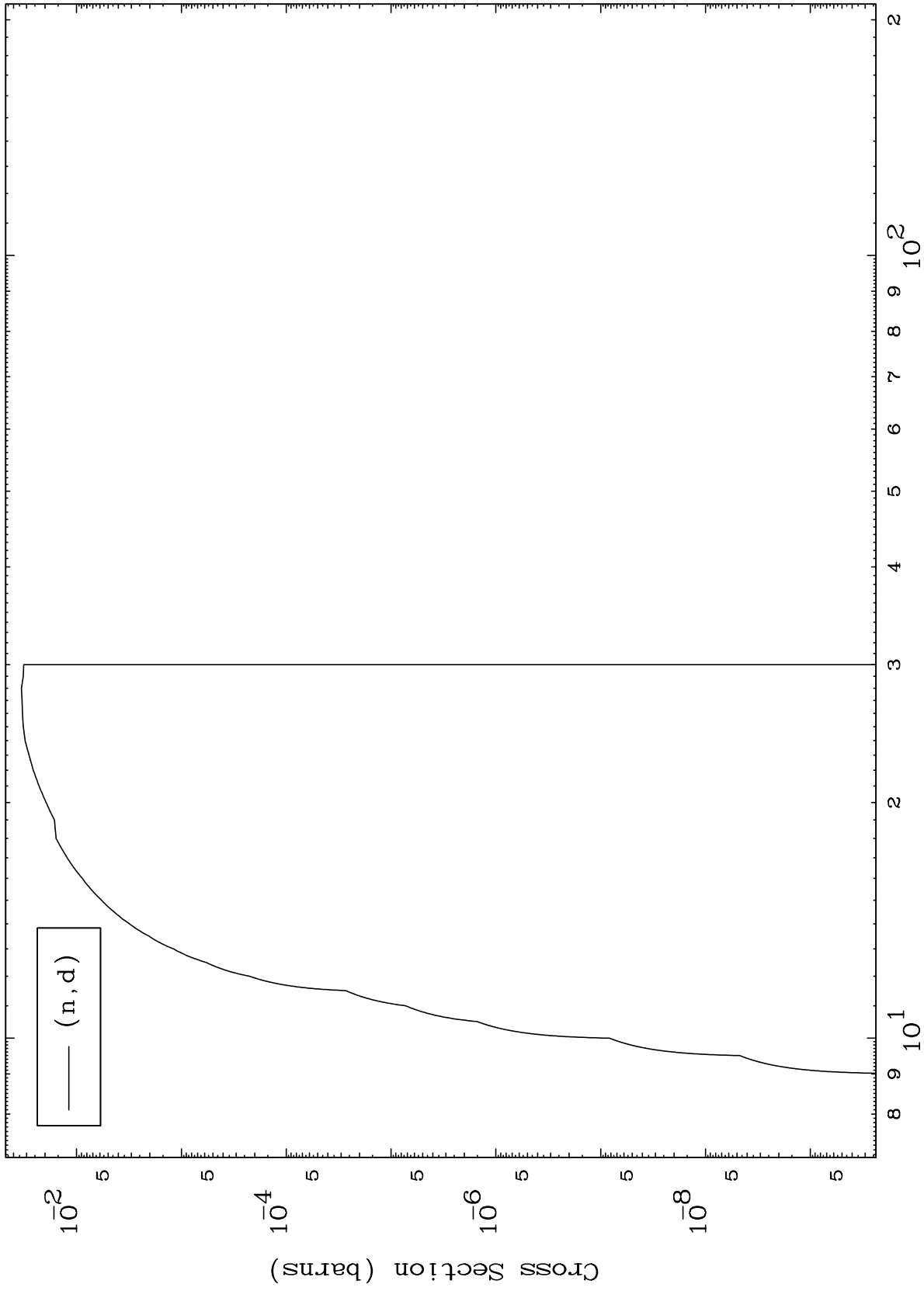
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34-Se-76

MAT 3431

(n,d) Levels
293 Kelvin Cross Sections

34-Se-76



11

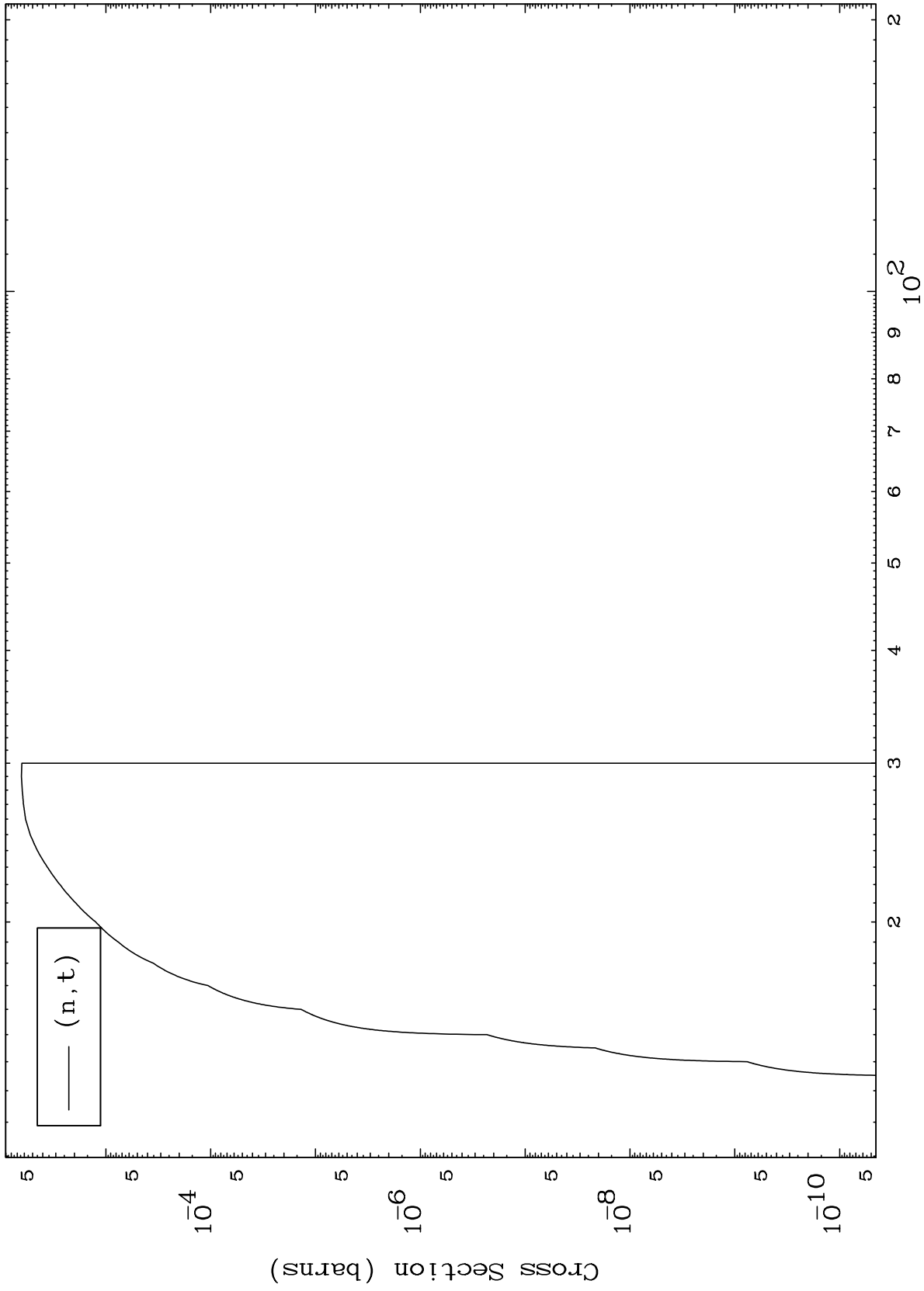
Incident Energy (MeV)

34-Se-76

MAT 3431

(n,t) Levels
293 Kelvin Cross Sections

34-Se-76



12

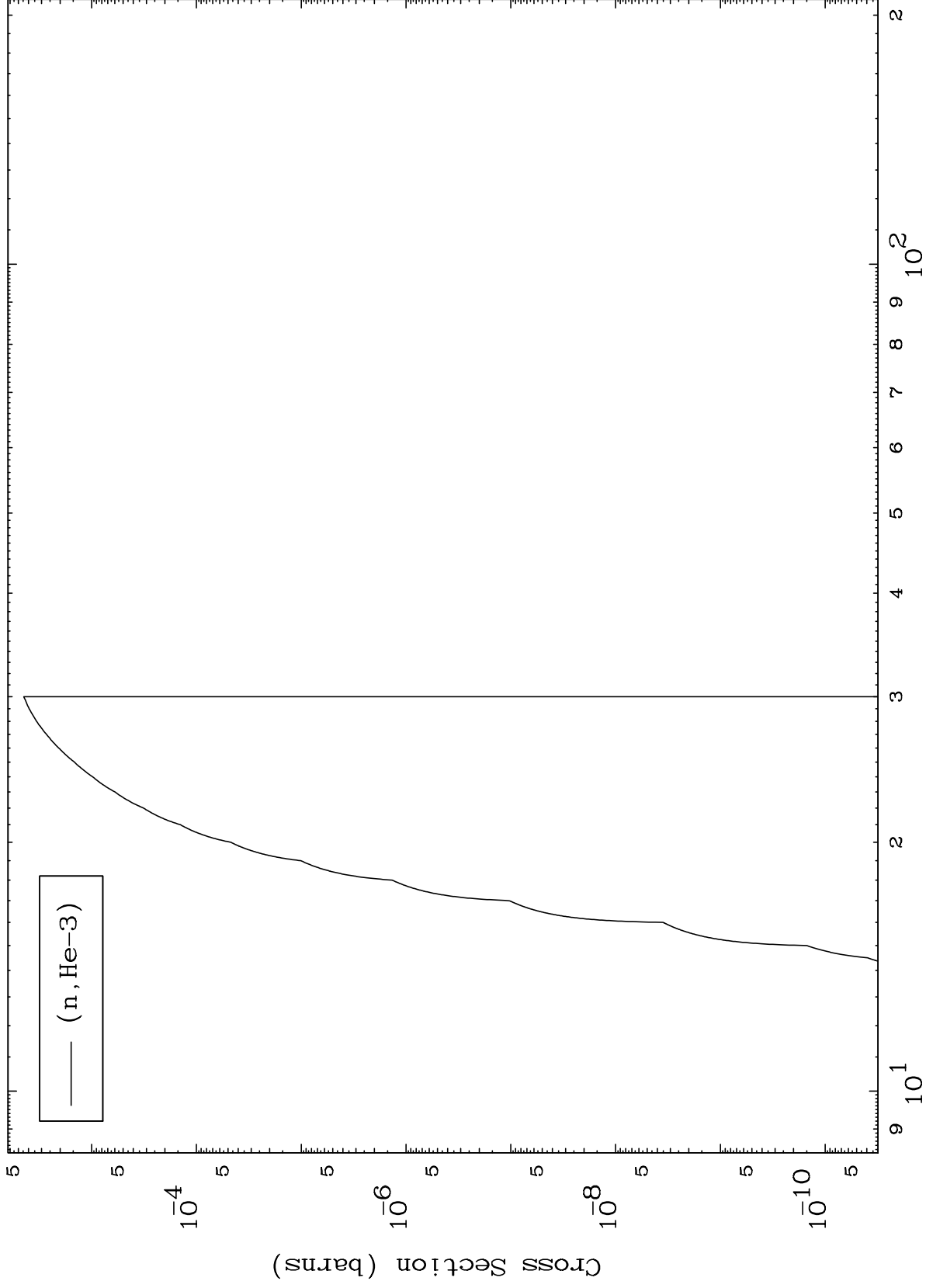
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34-Se-76

MAT 3431

(n,He3) Levels
293 Kelvin Cross Sections

34-Se-76



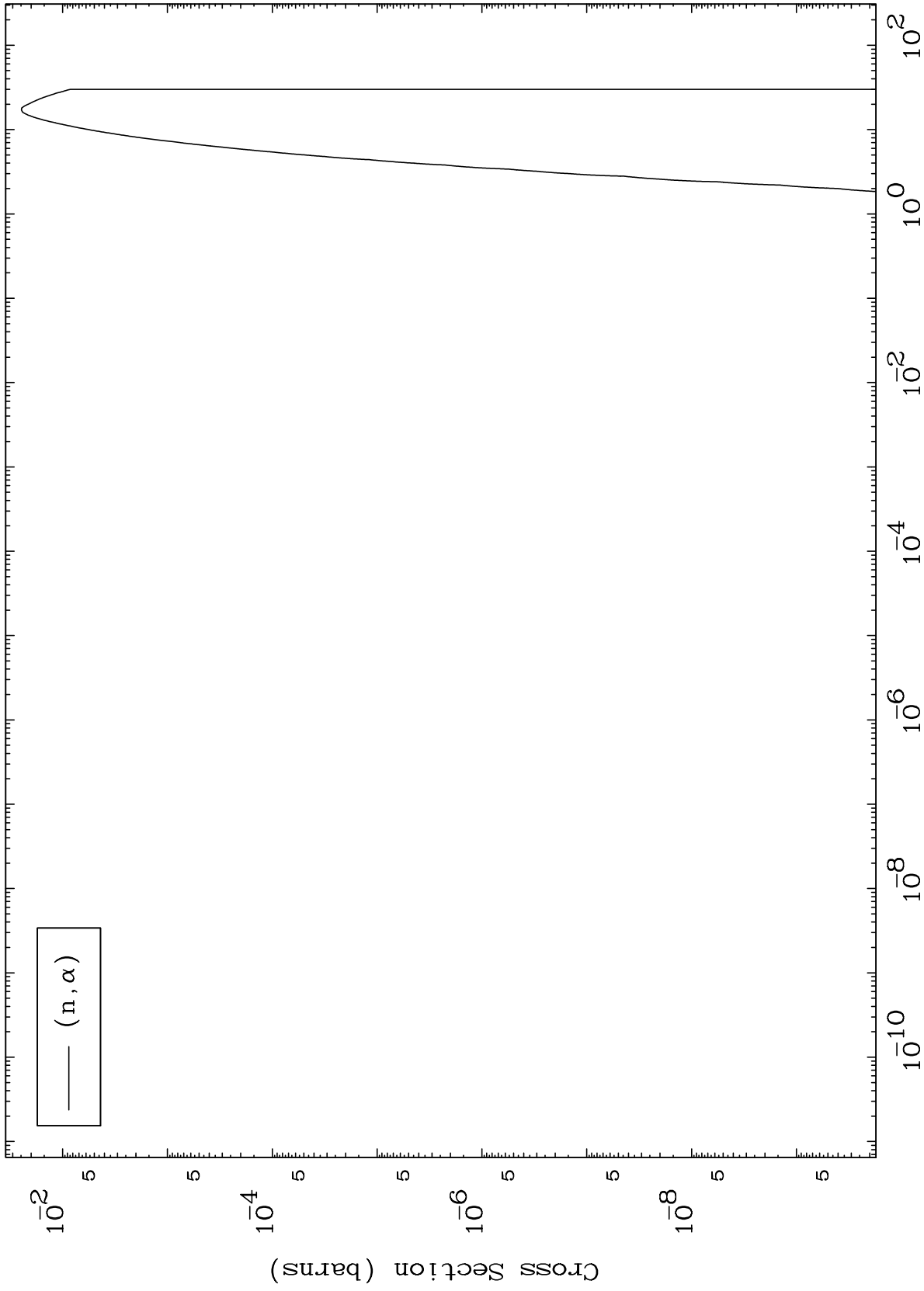
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34-Se-76

MAT 3431

(n,α) Levels
293 Kelvin Cross Sections

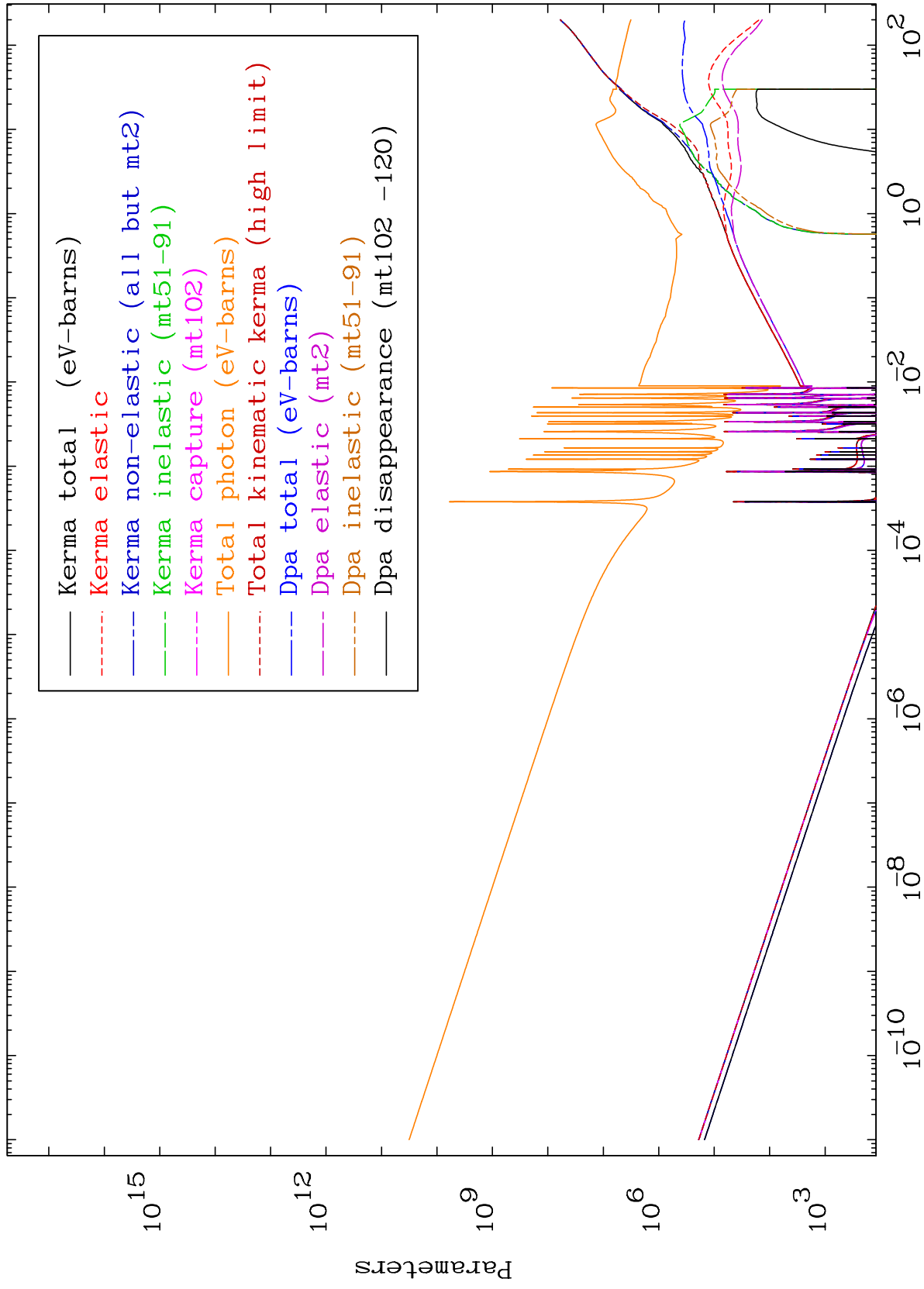
34-Se-76



14

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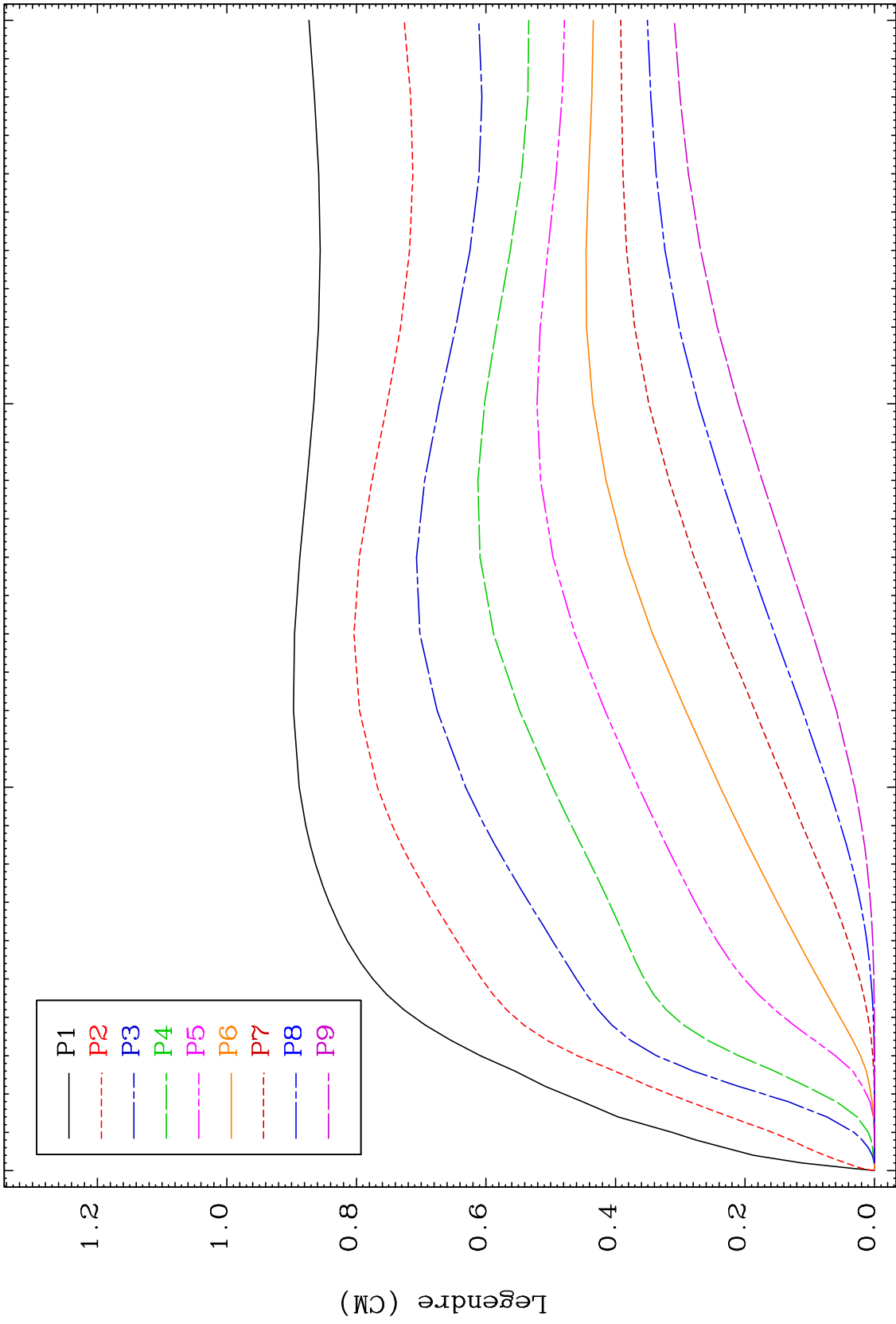
34-Se-76



MAT 3431

Elastic Legendre Coefficients

³⁴Se-76



0

16

Incident Energy (MeV)

10

20

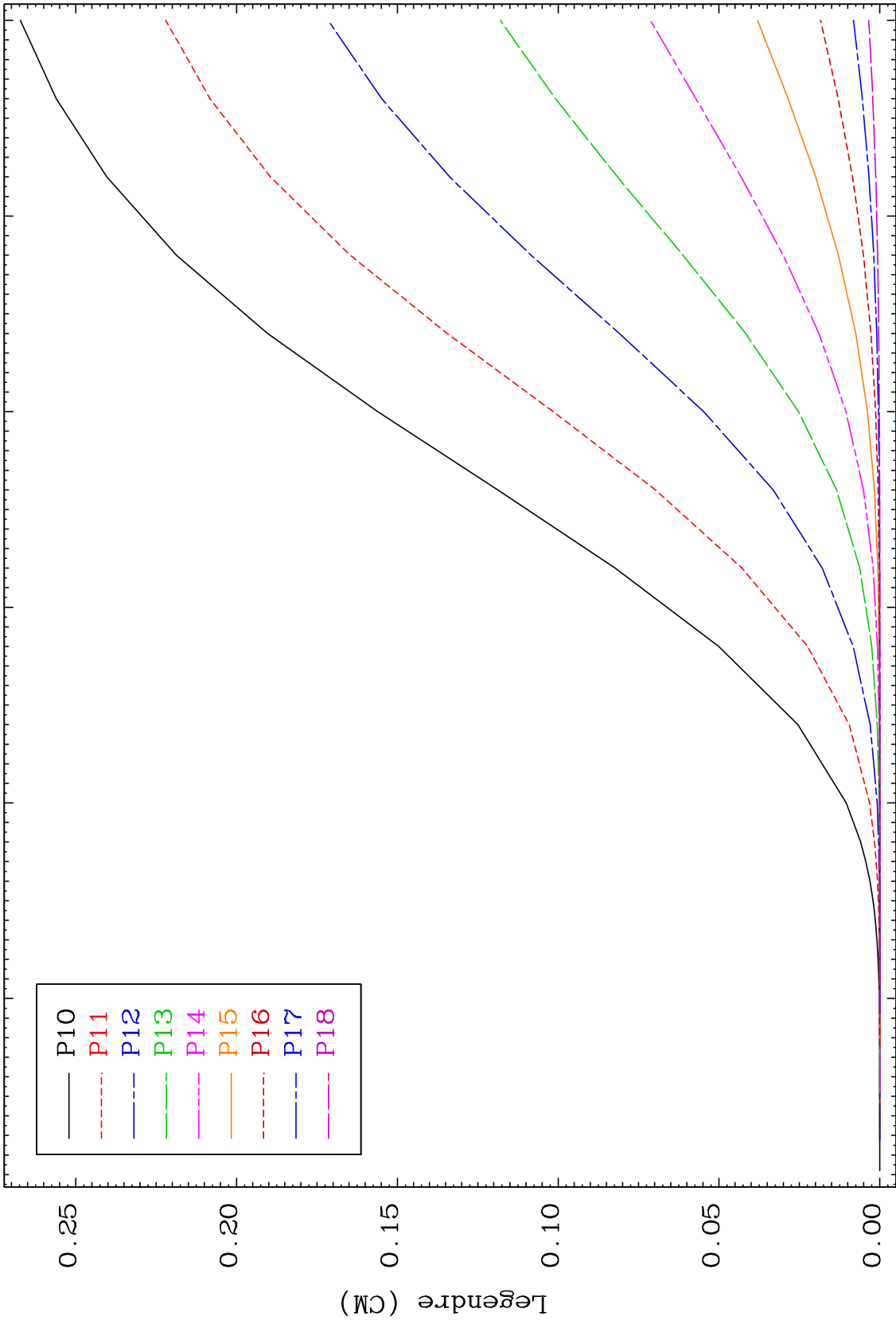
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³⁴Se-76

MAT 3431

Elastic Legendre Coefficients

³⁴Se-76



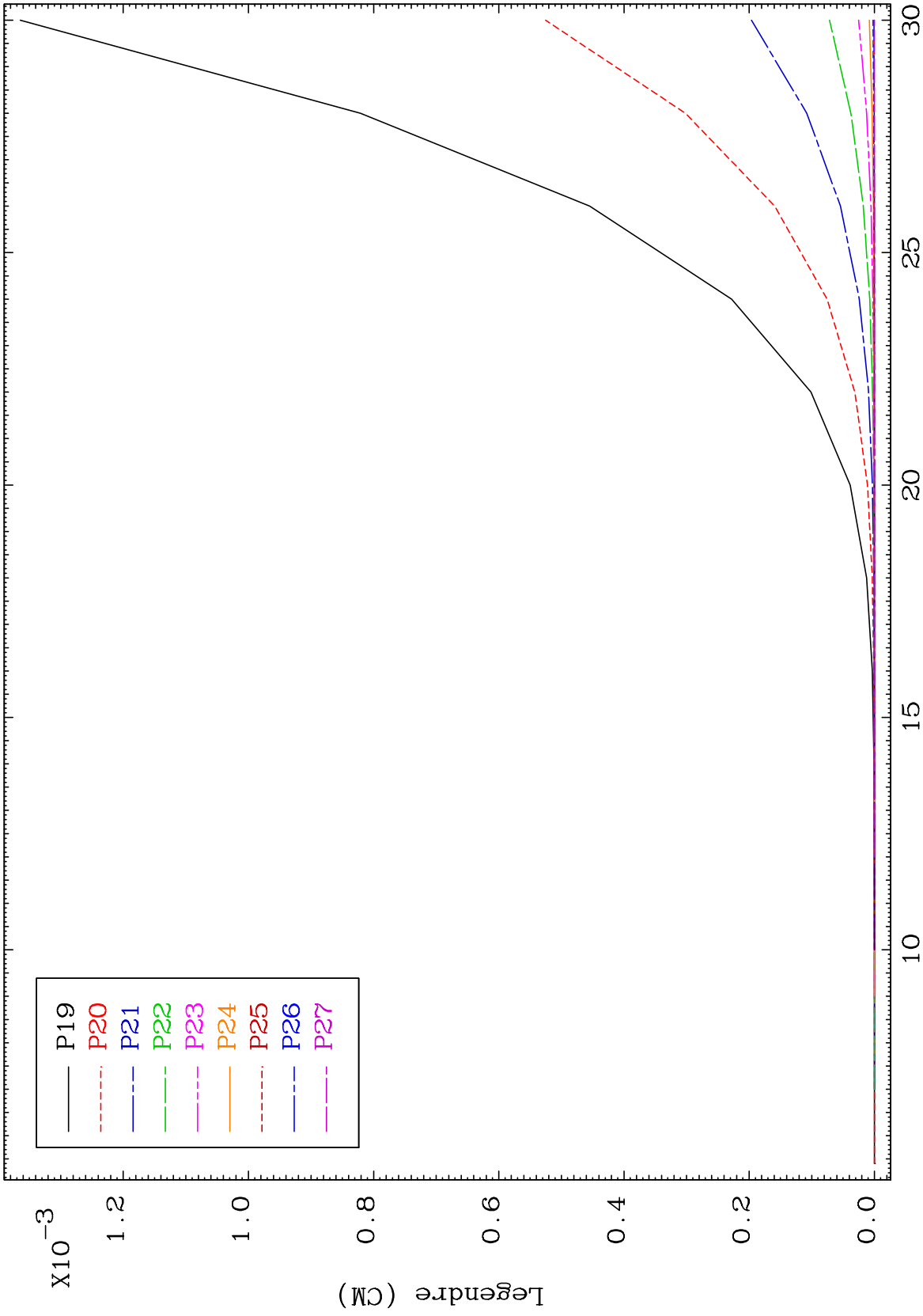
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³⁴Se-76

MAT 3431

Elastic Legendre Coefficients

³⁴Se-76



18

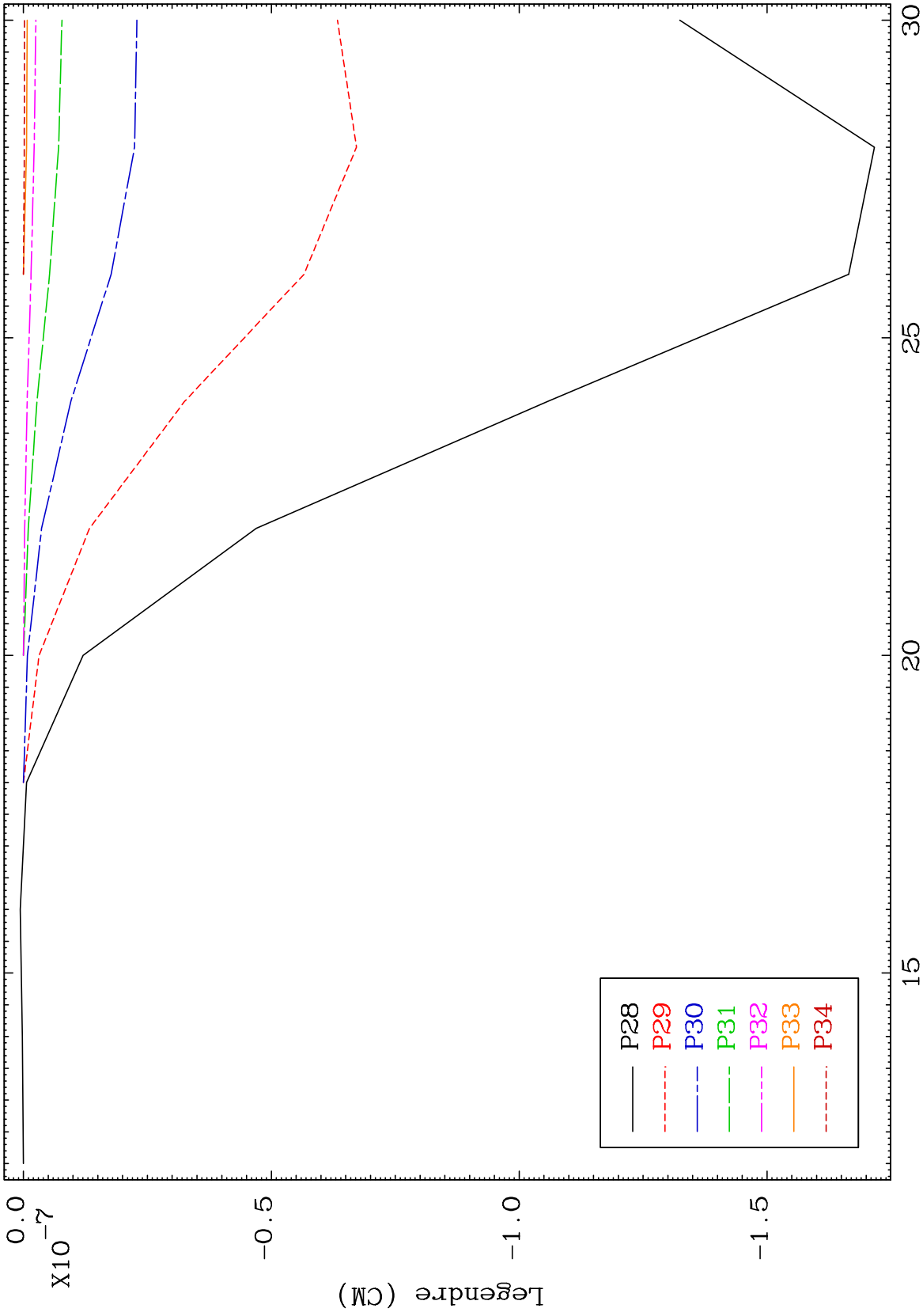
Incident Energy (MeV)

³⁴Se-76

MAT 3431

³⁴Se-76

Elastic Legendre Coefficients



19

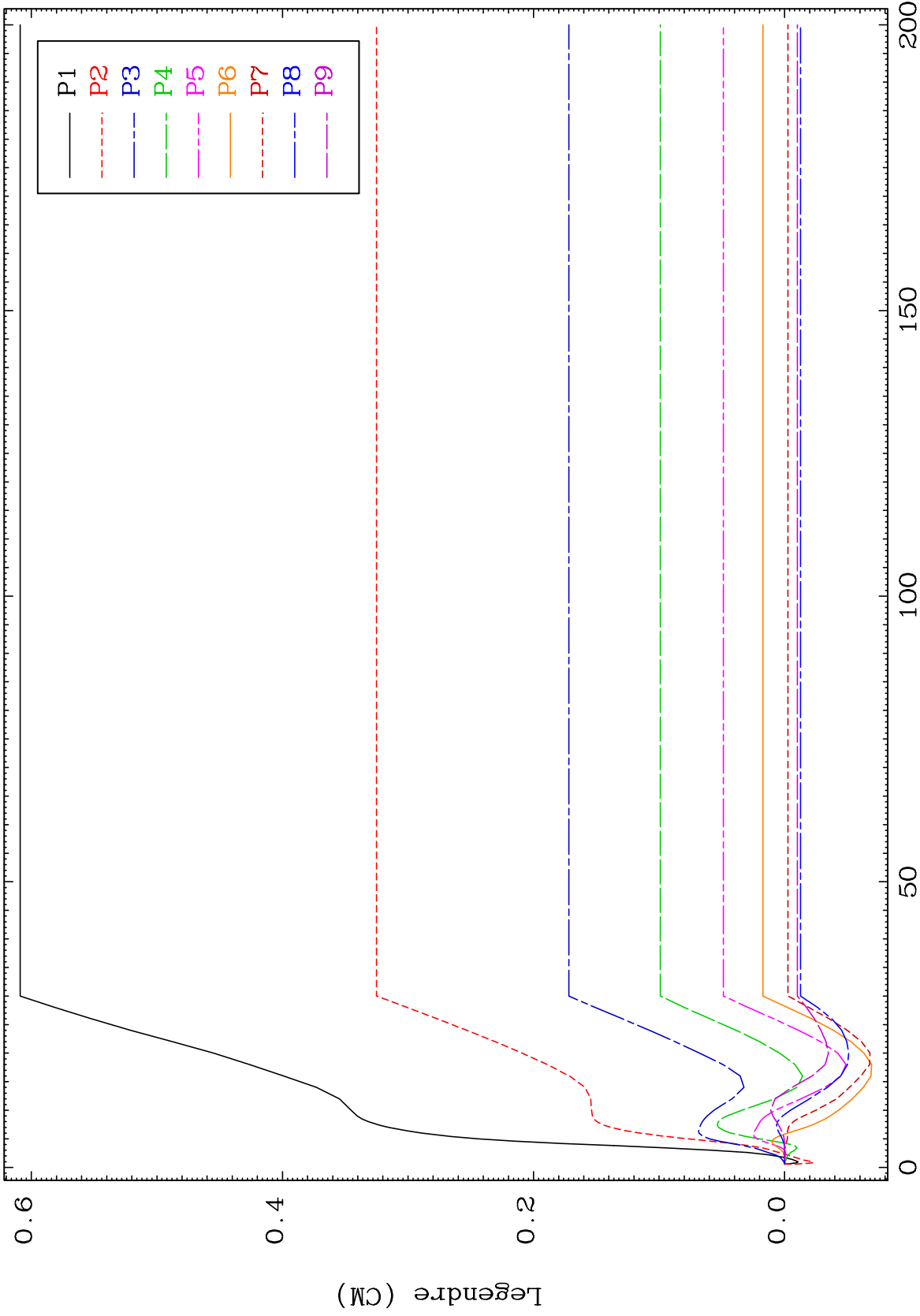
Incident Energy (MeV)

³⁴Se-76

MAT 3431

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

34-Se-76



34-Se-76

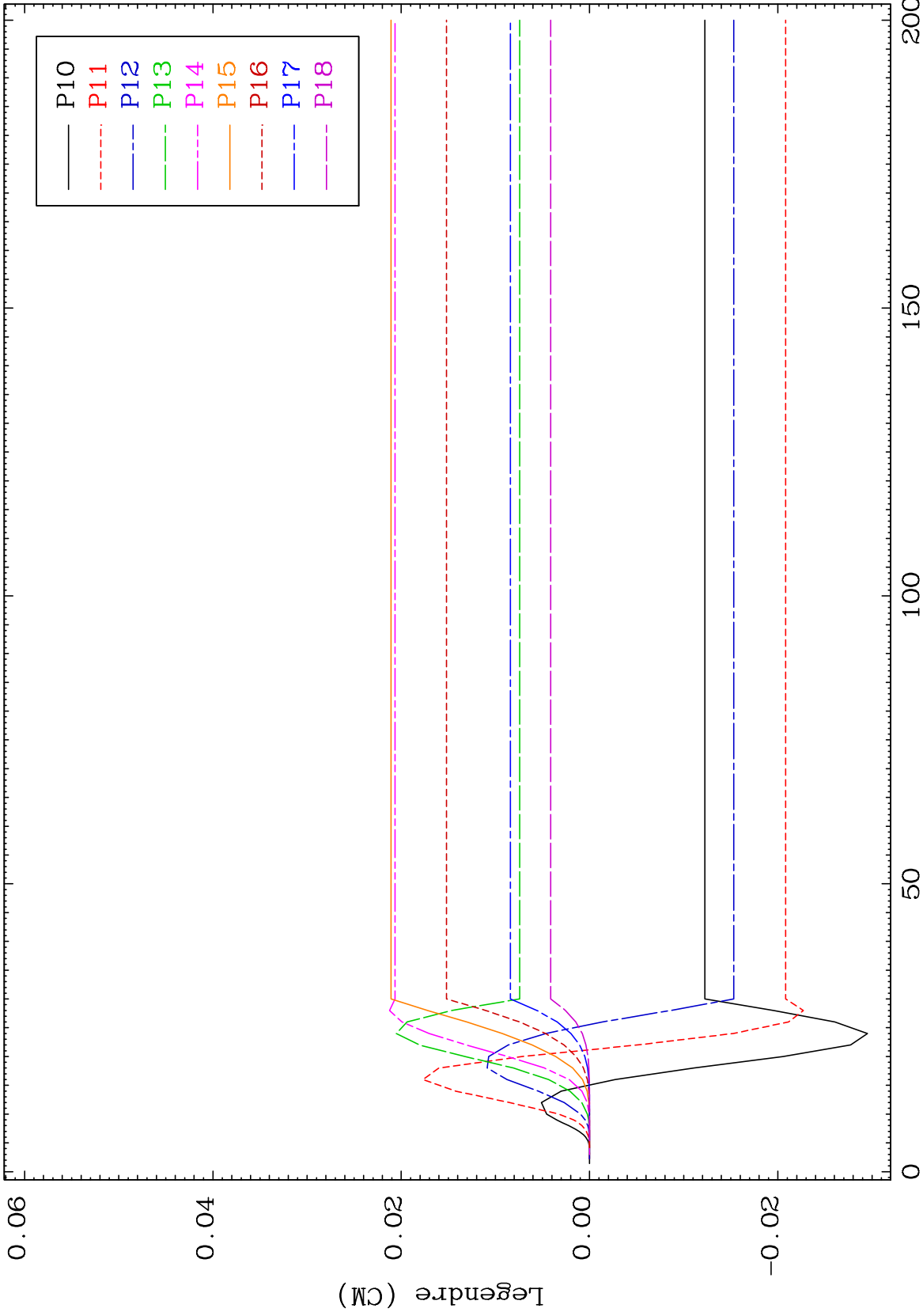
Incident Energy (MeV)

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MAT 3431

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

34-Se-76



21

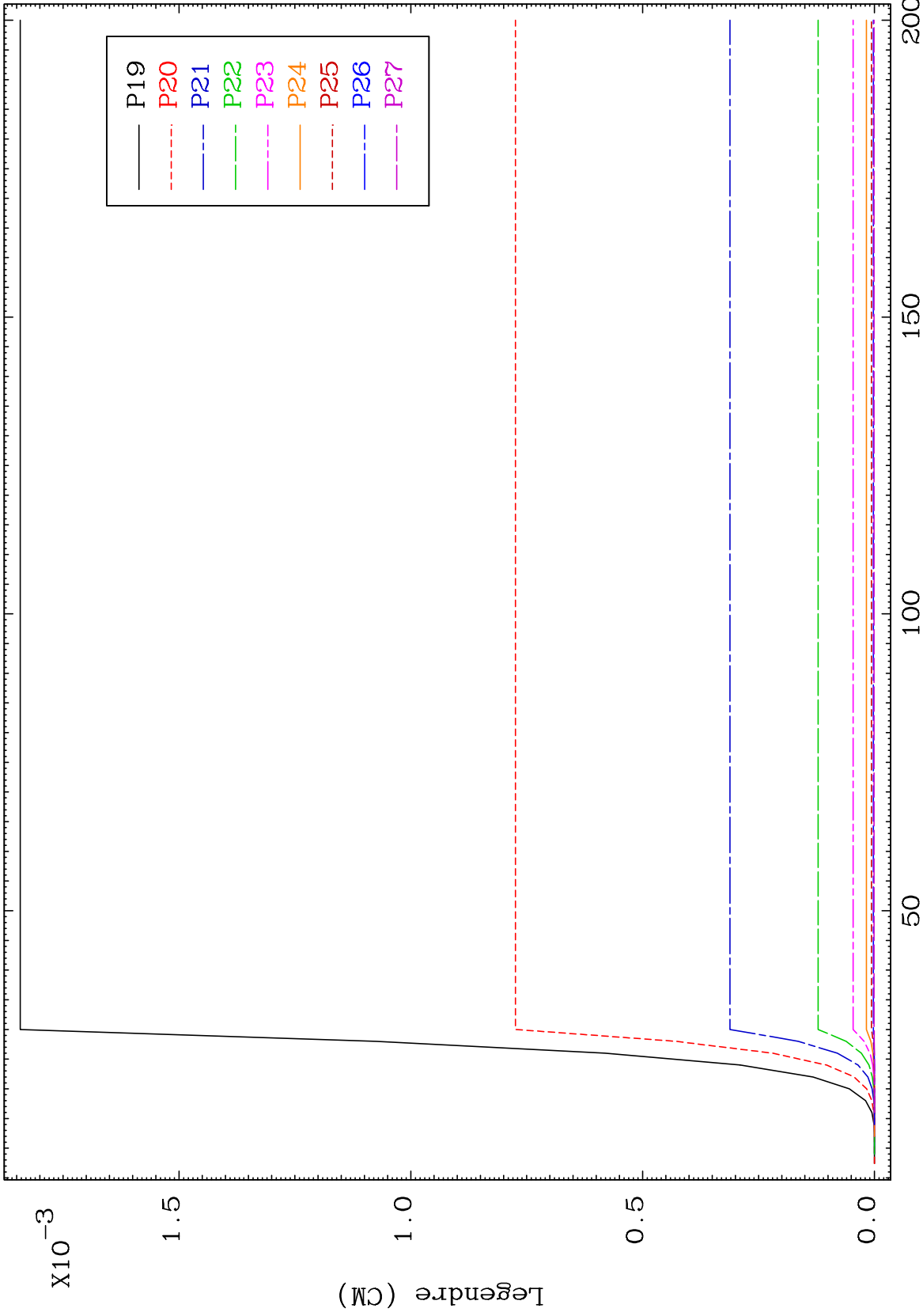
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



22

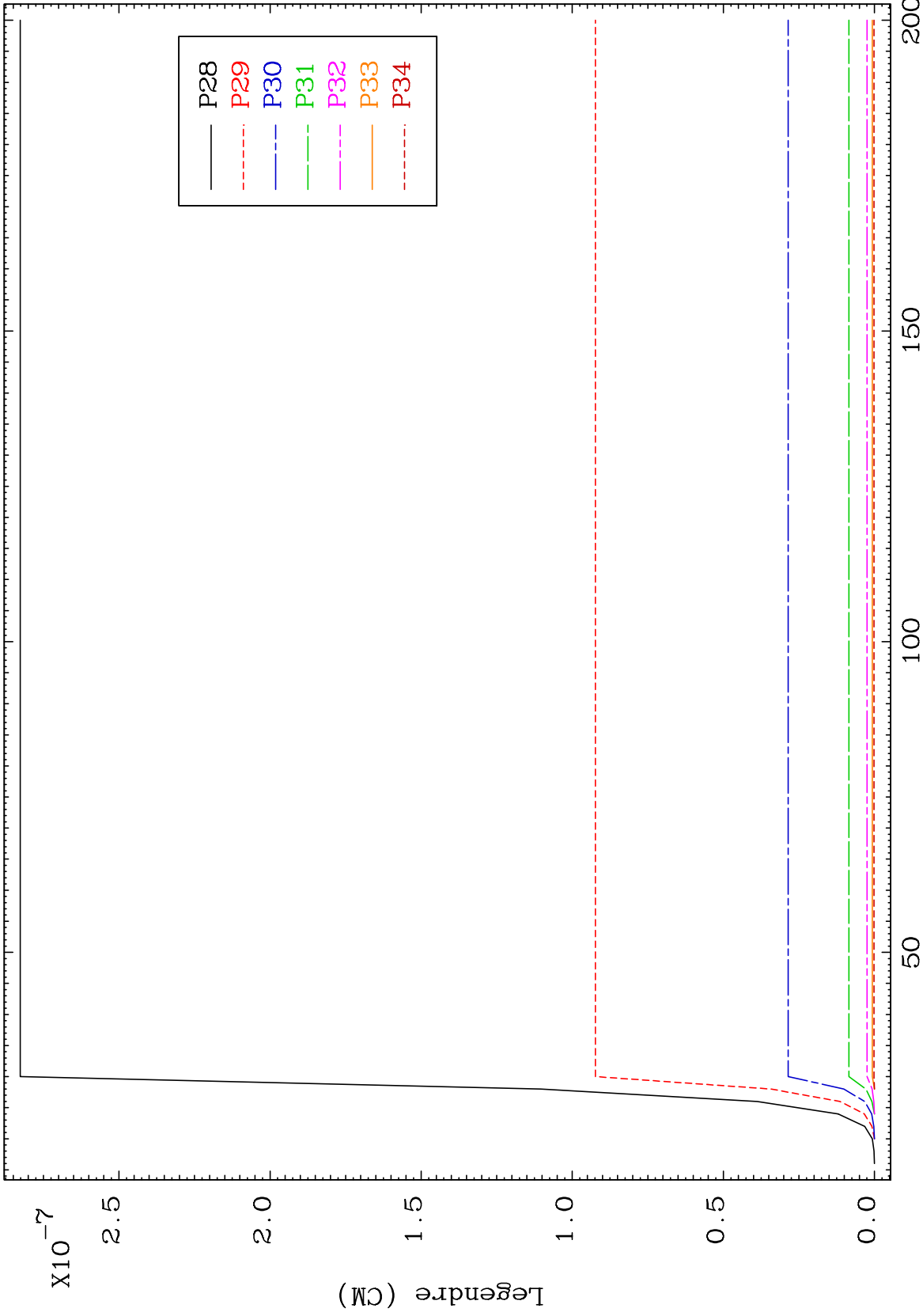
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



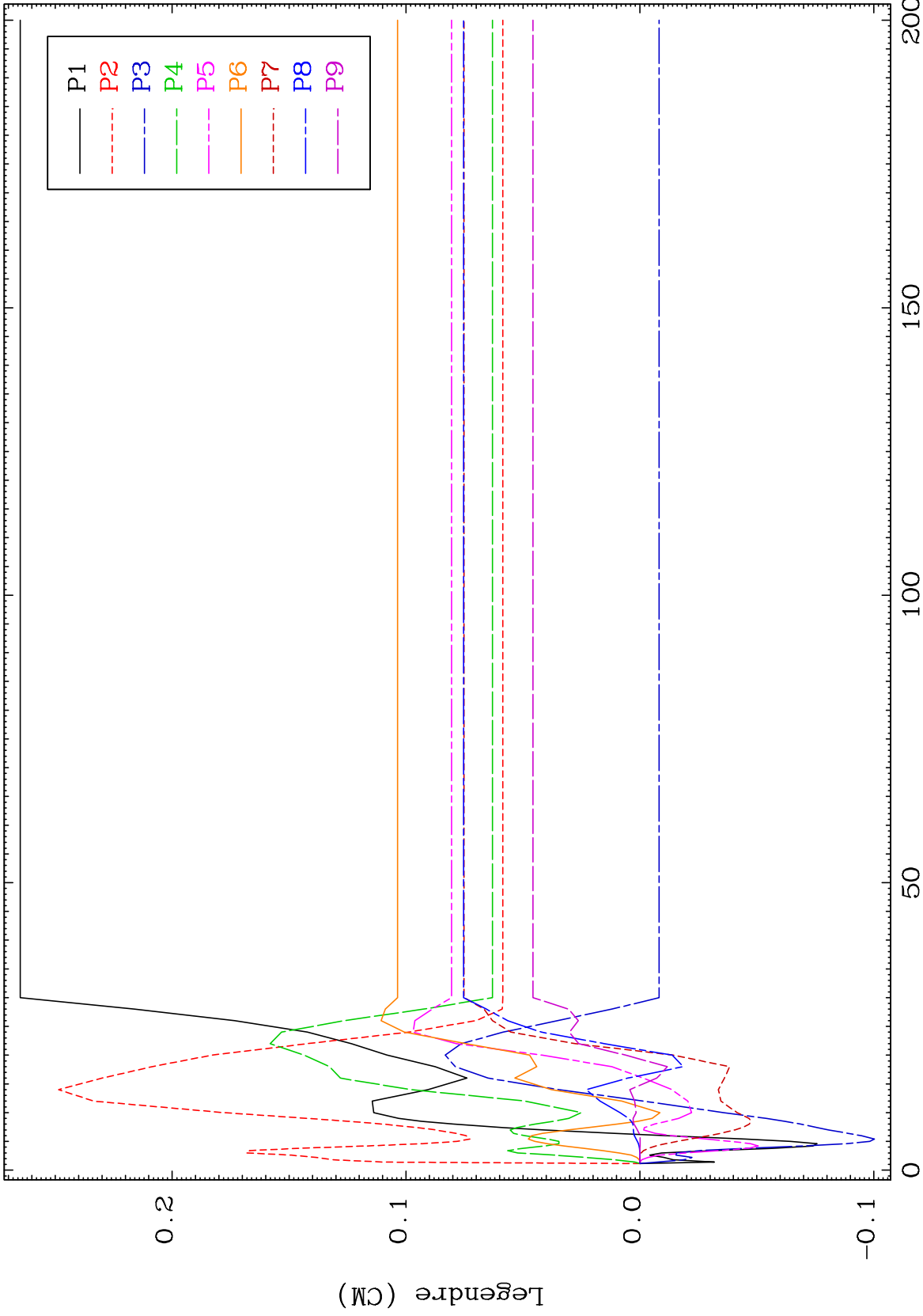
23

34-Se-76

MAT 3431

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

34-Se-76



24

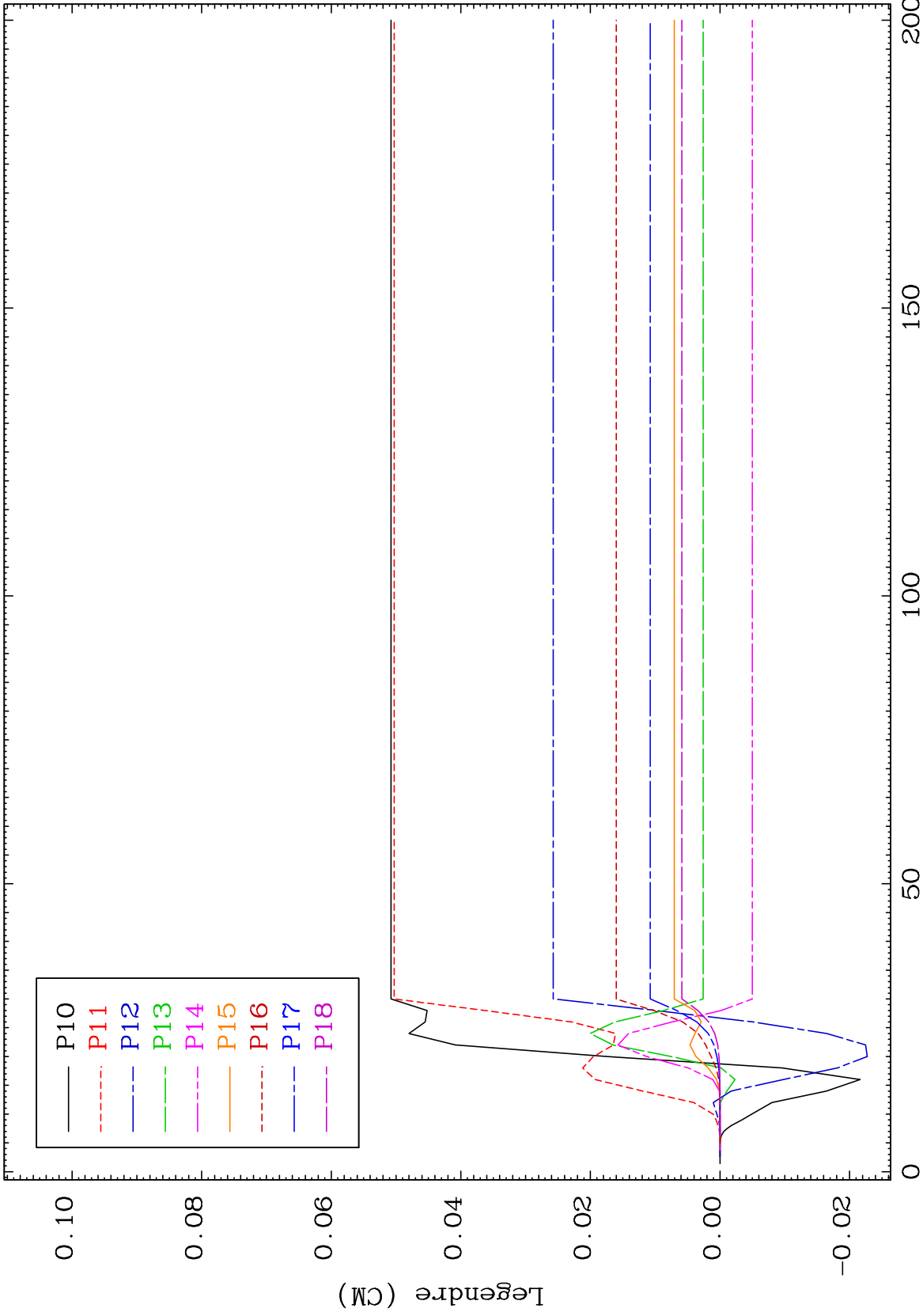
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



25

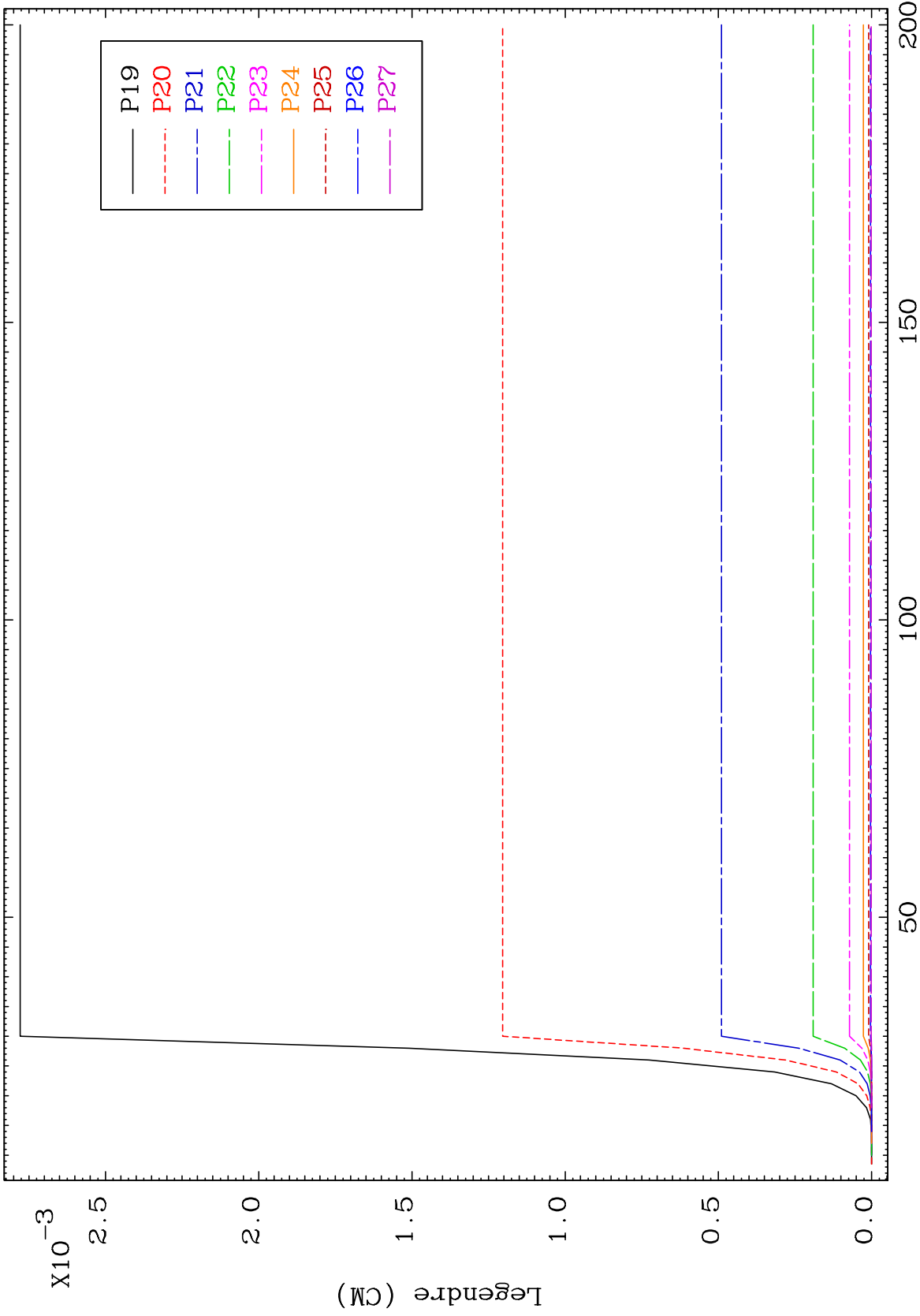
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



26

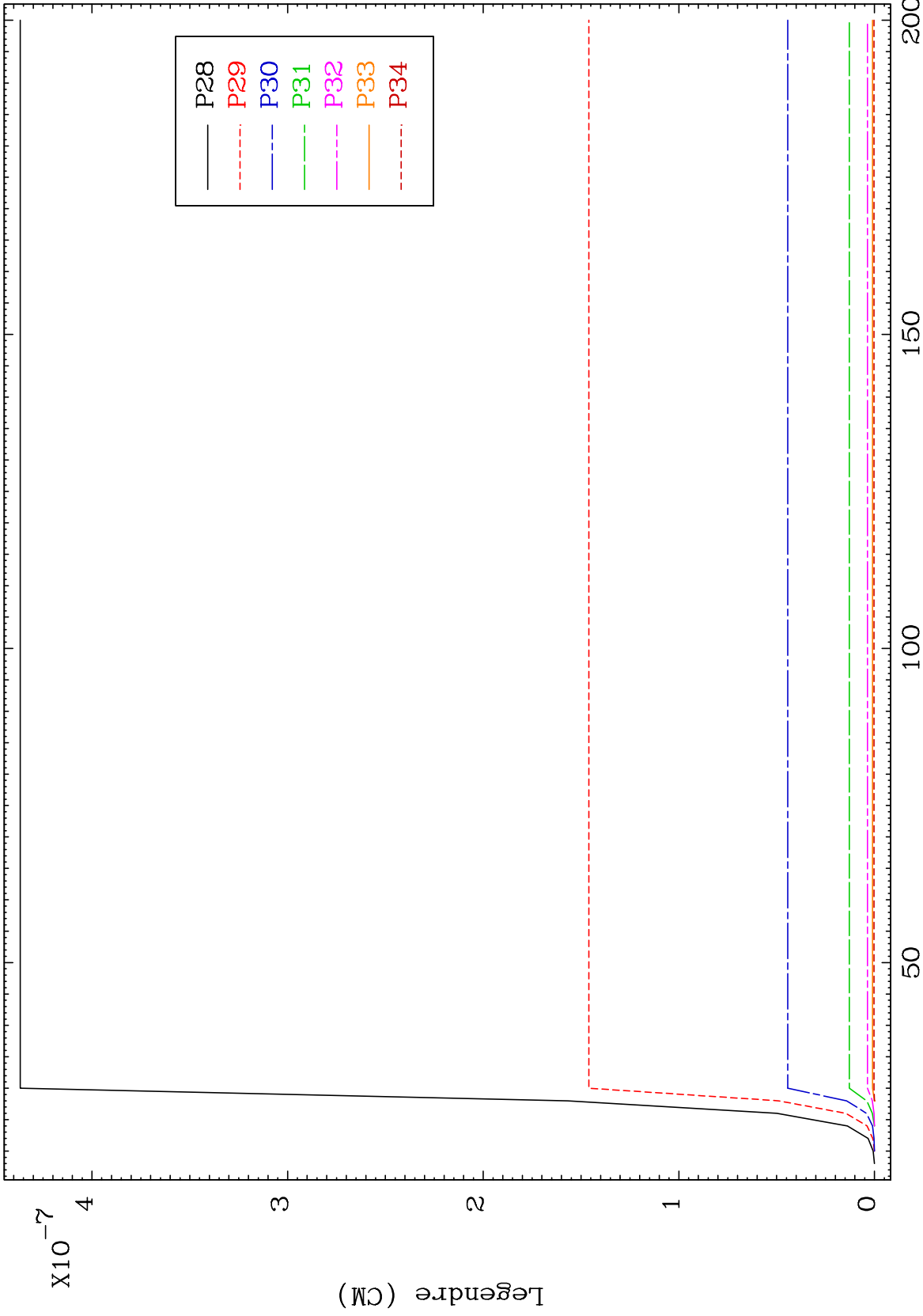
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



27

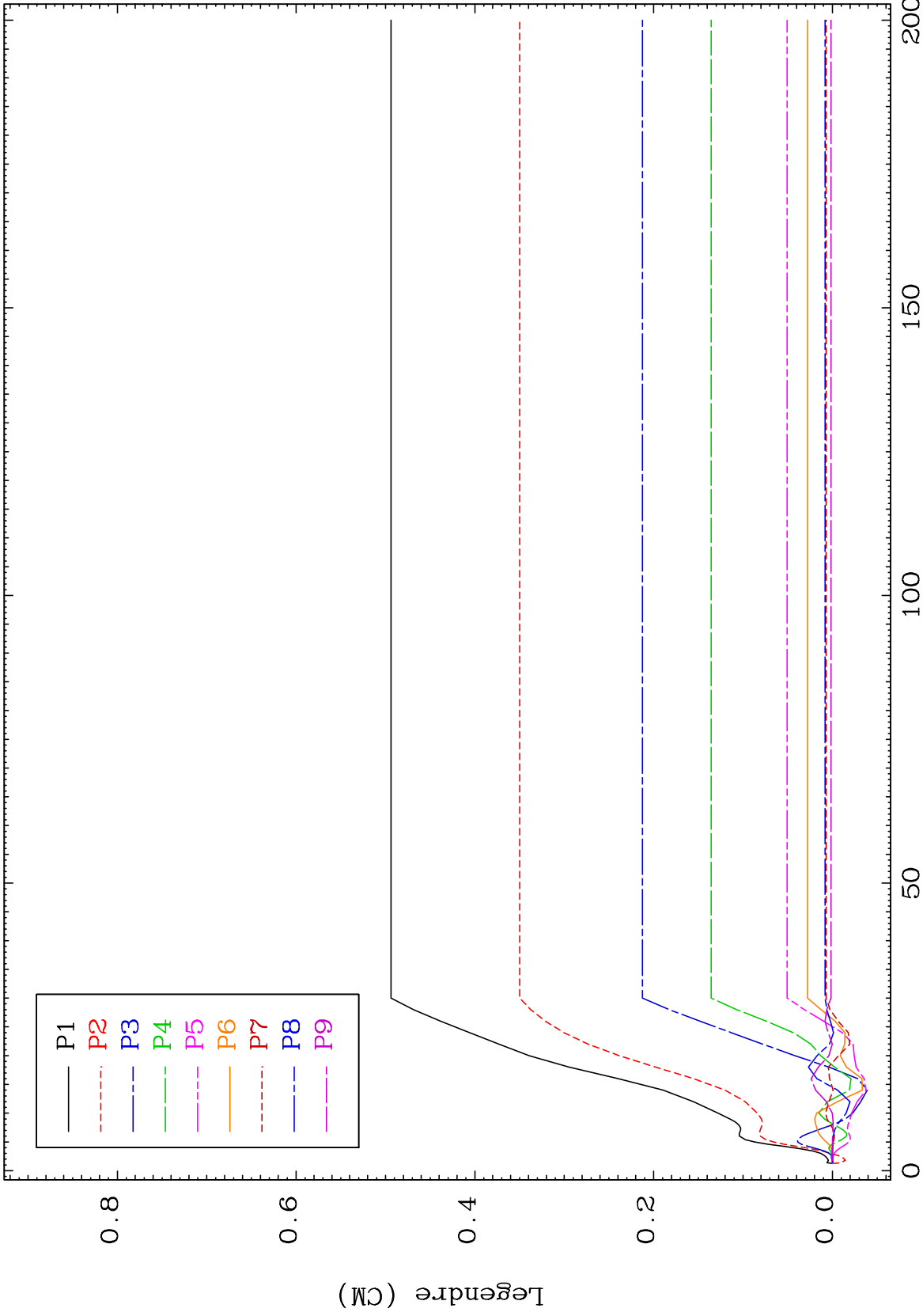
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



28

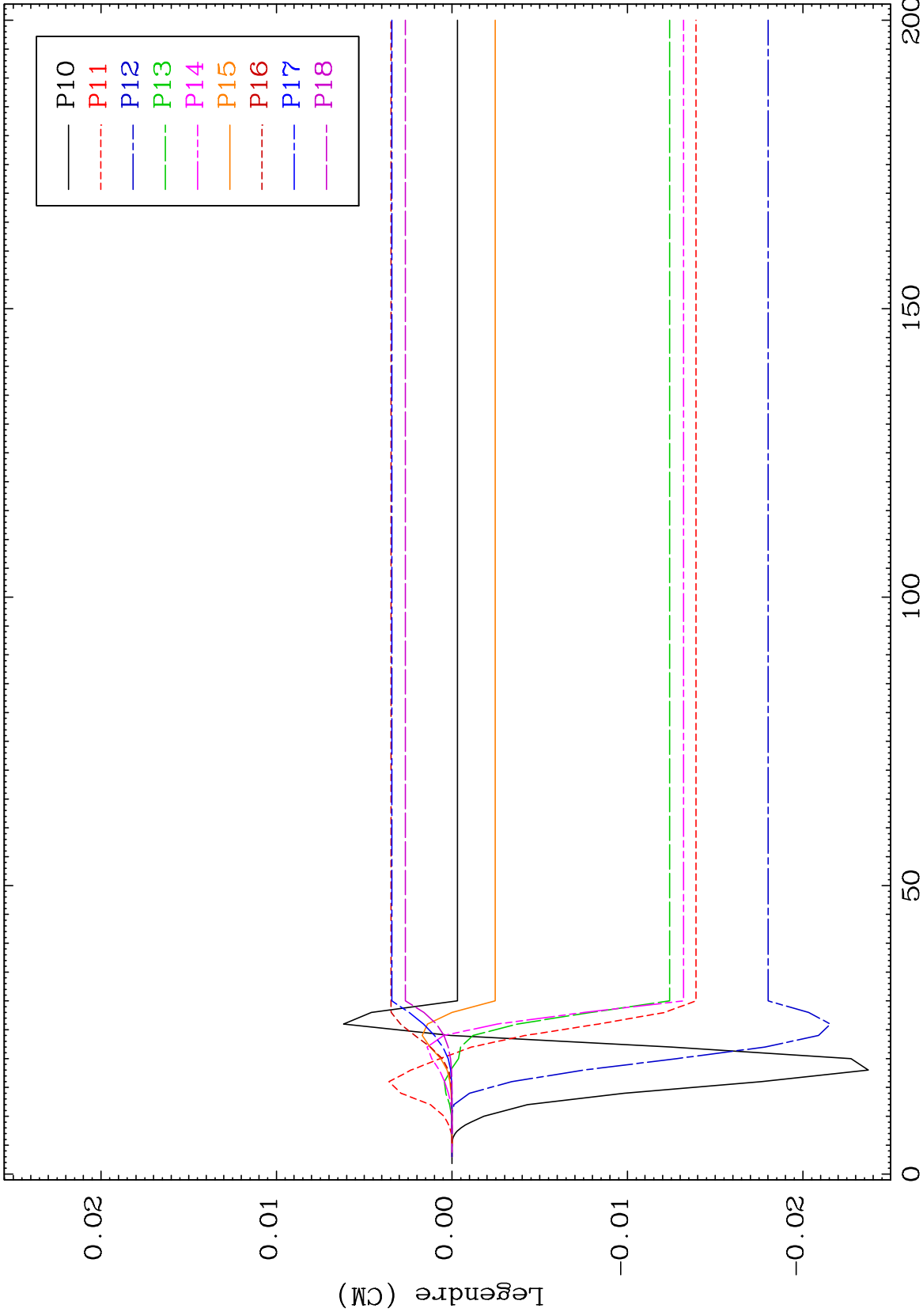
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



29

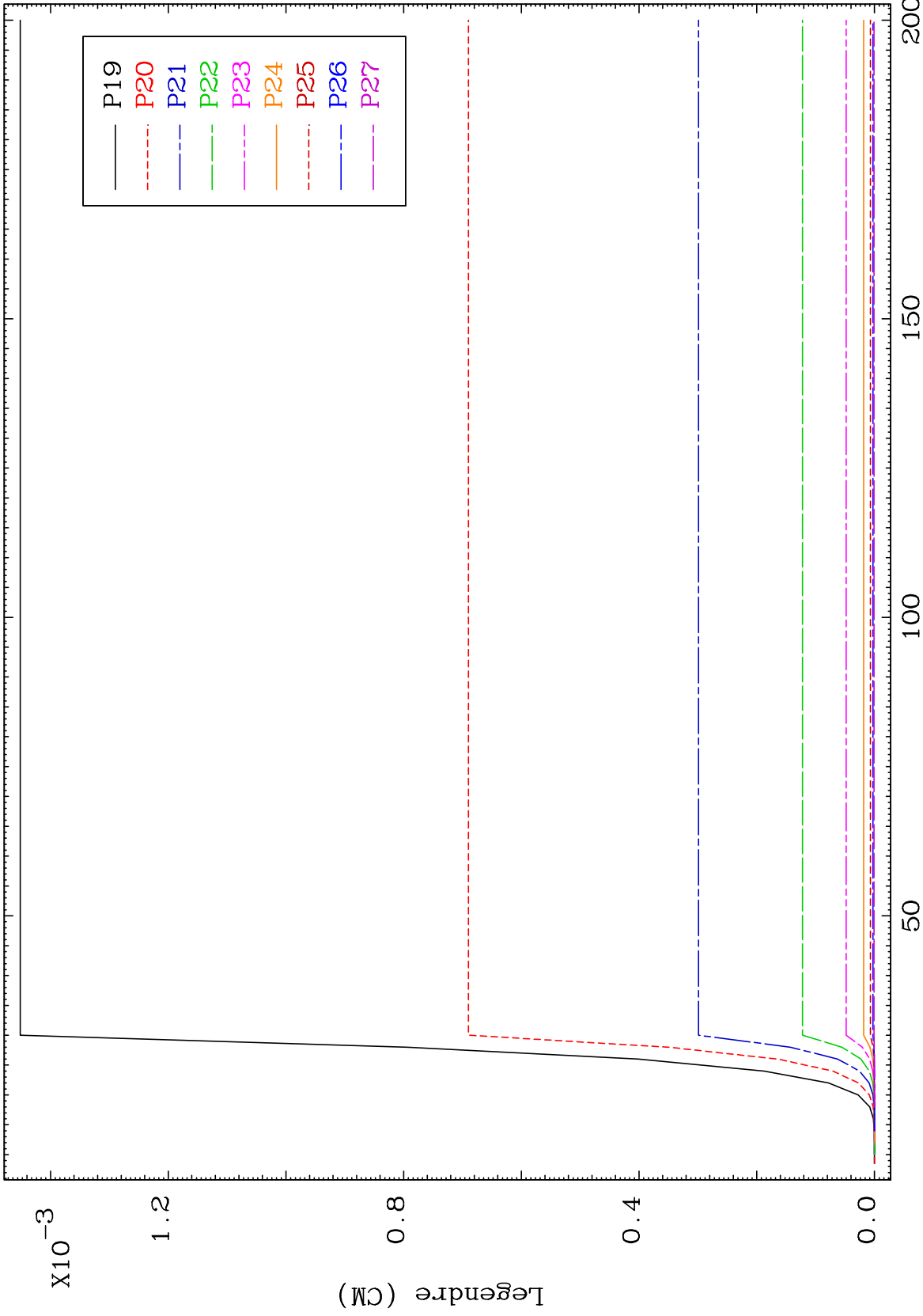
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



30

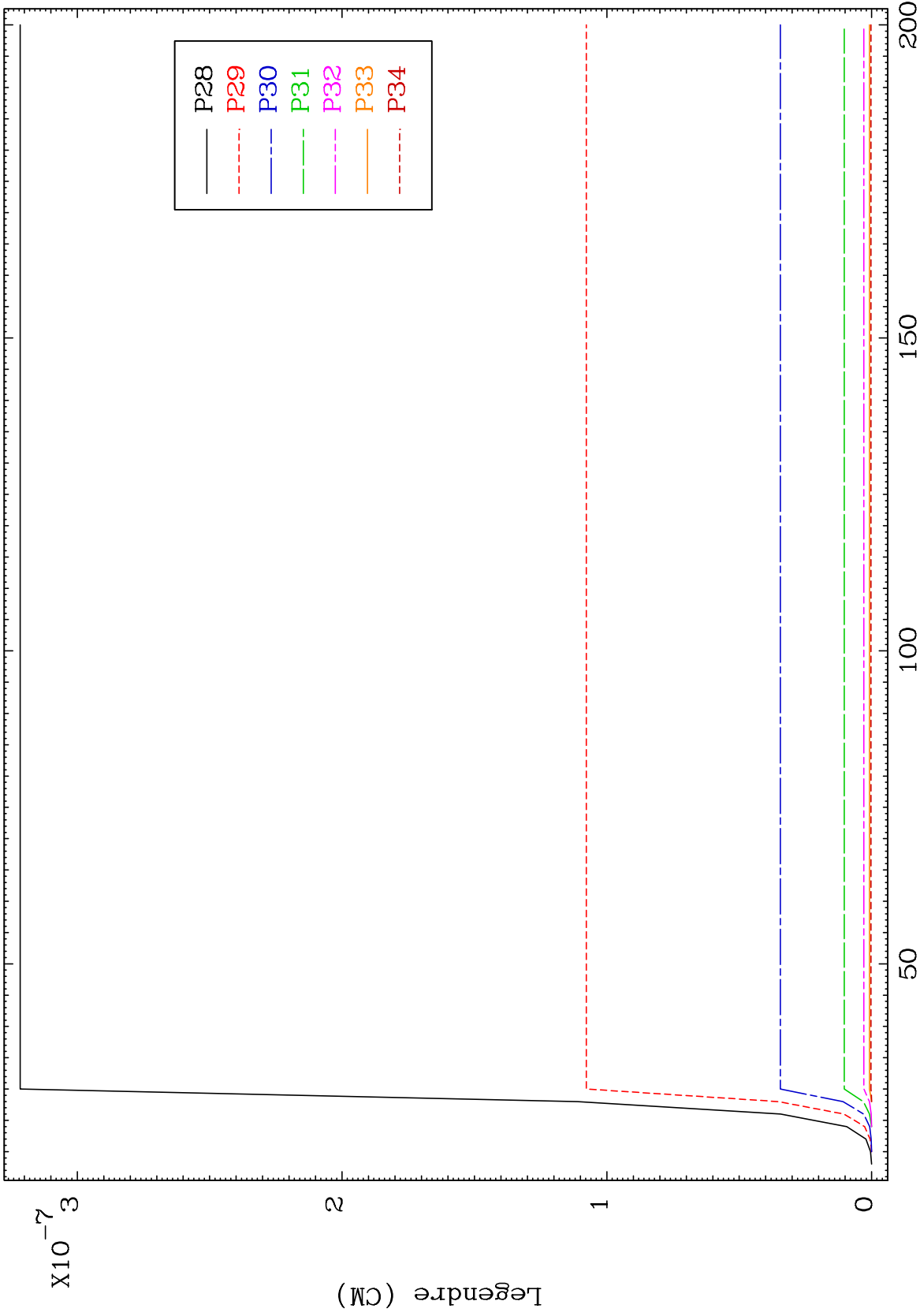
Incident Energy (MeV)

34-Se-76

MAT 3431

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

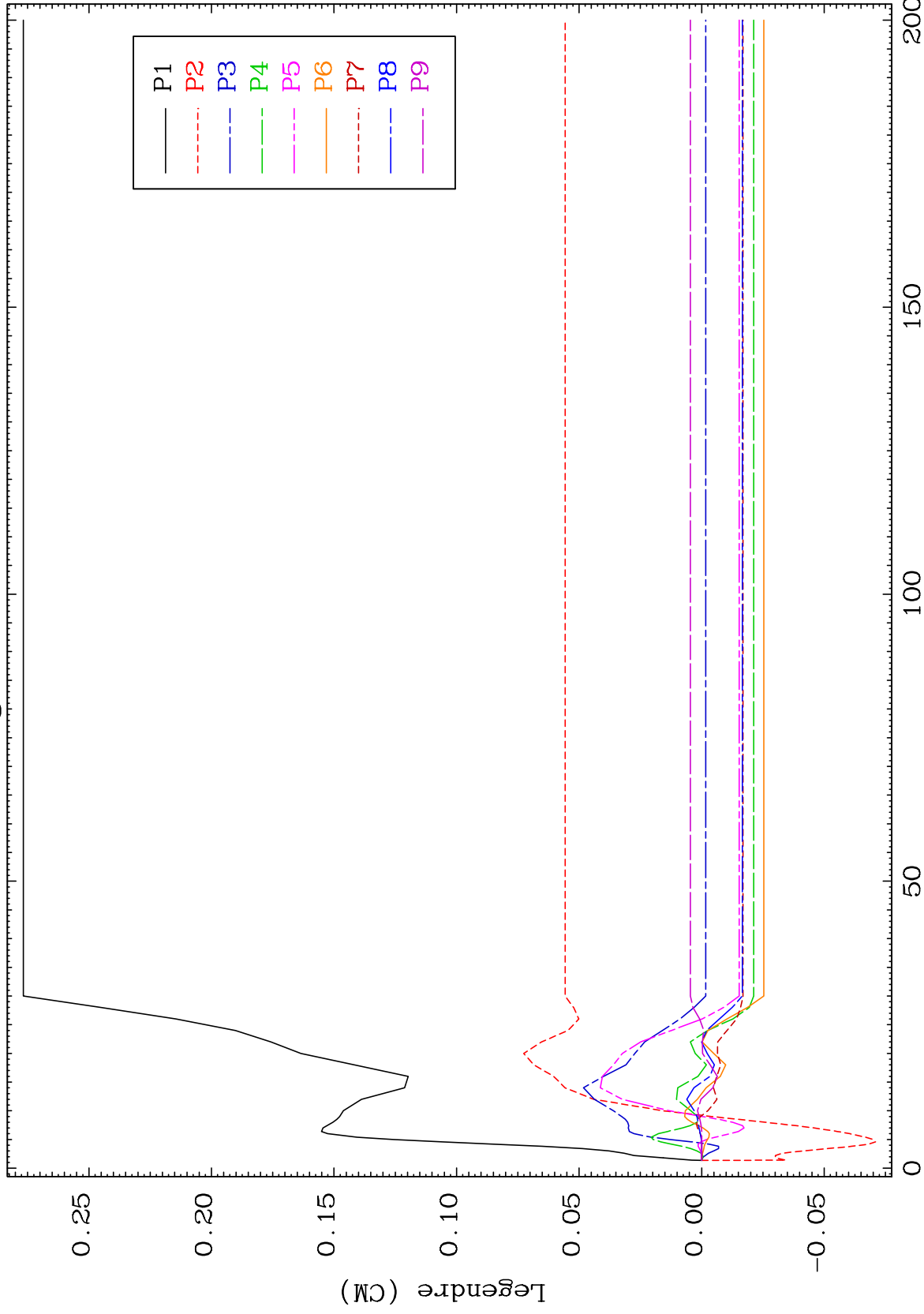
34-Se-76



MAT 3431

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

34-Se-76



32

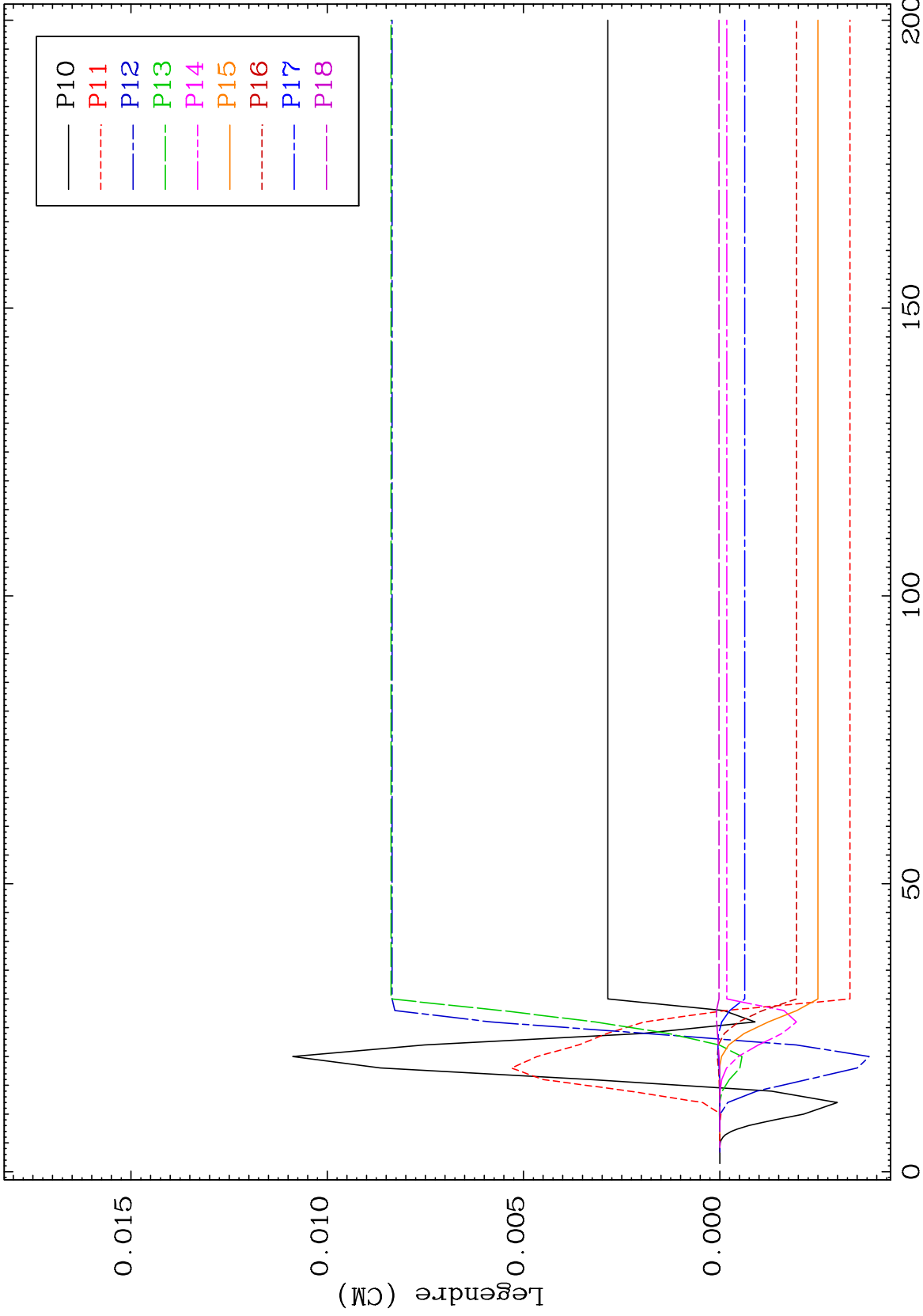
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



33

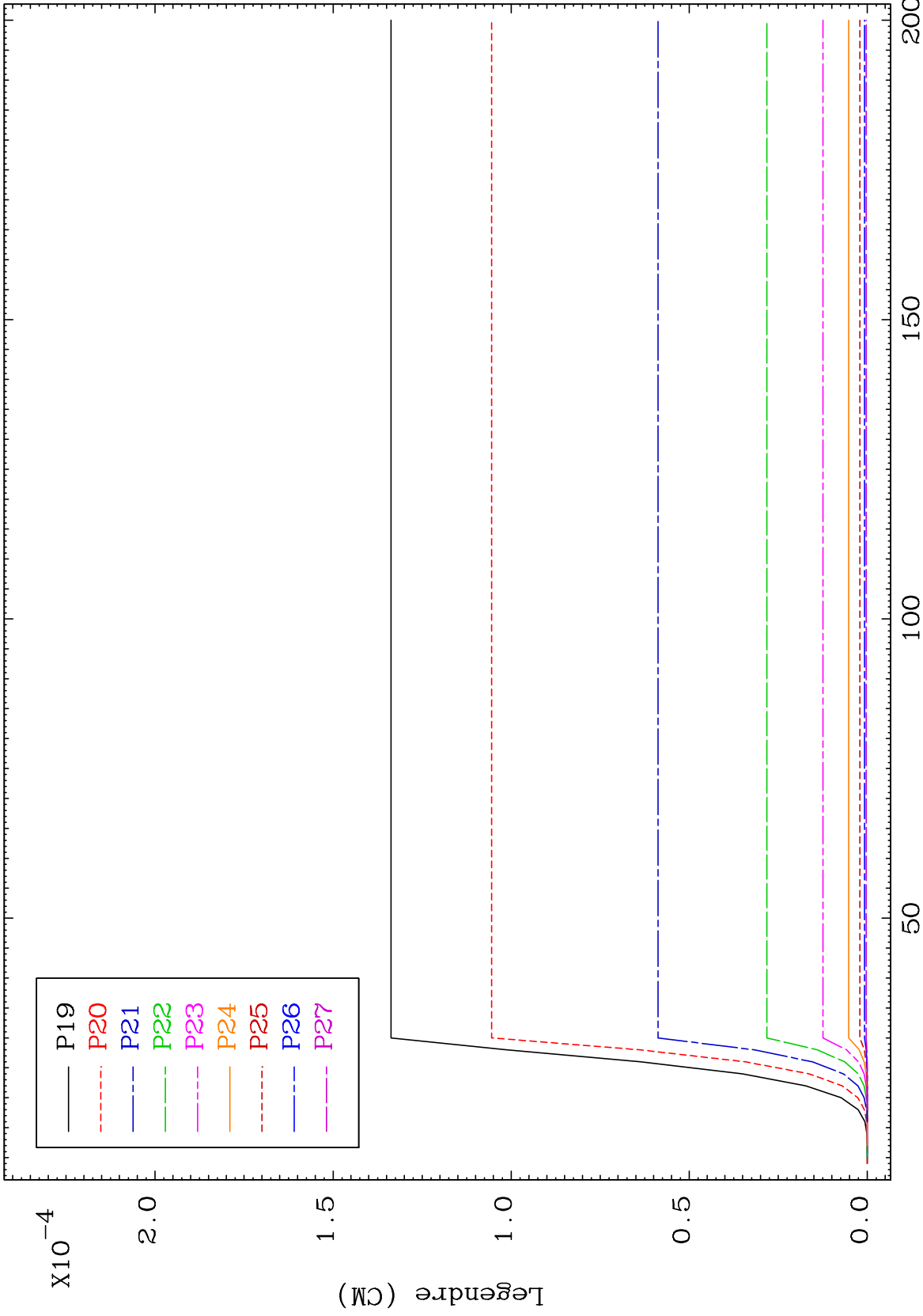
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



34

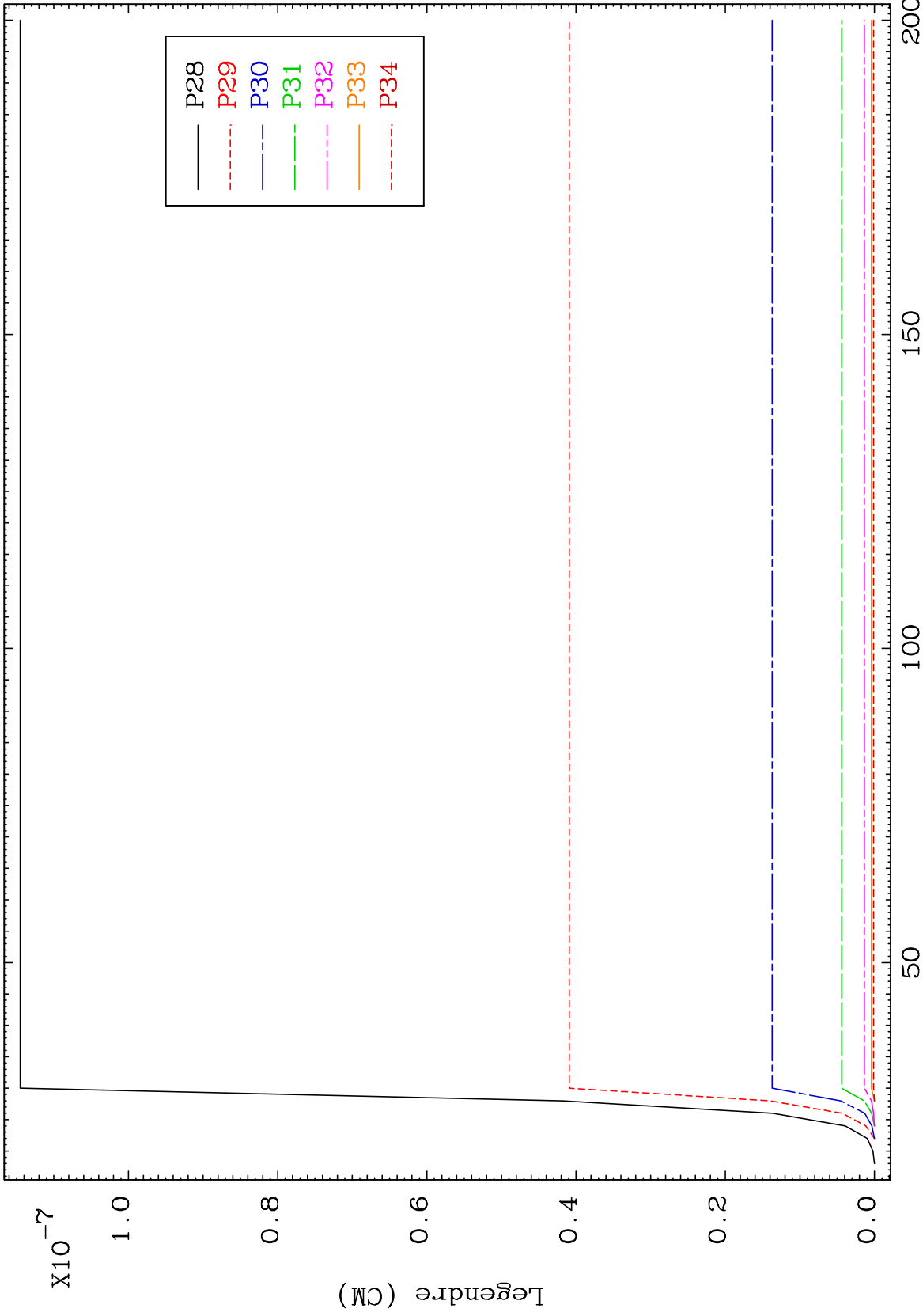
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



35

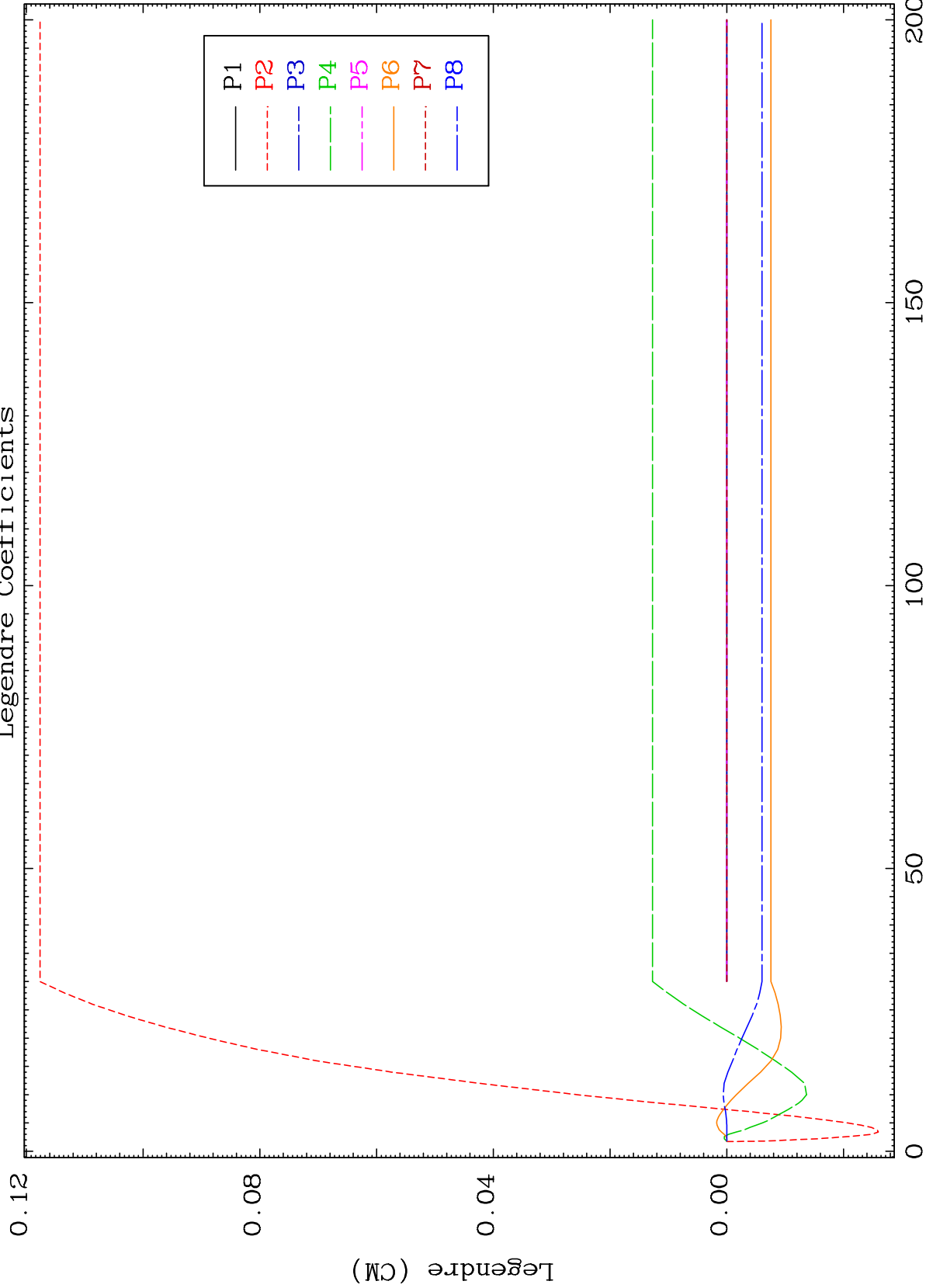
Incident Energy (MeV)

34-Se-76

MAT 3431 MT= 55 (n,n') Level Legendre Coefficients

34-Se-76

36



34-Se-76

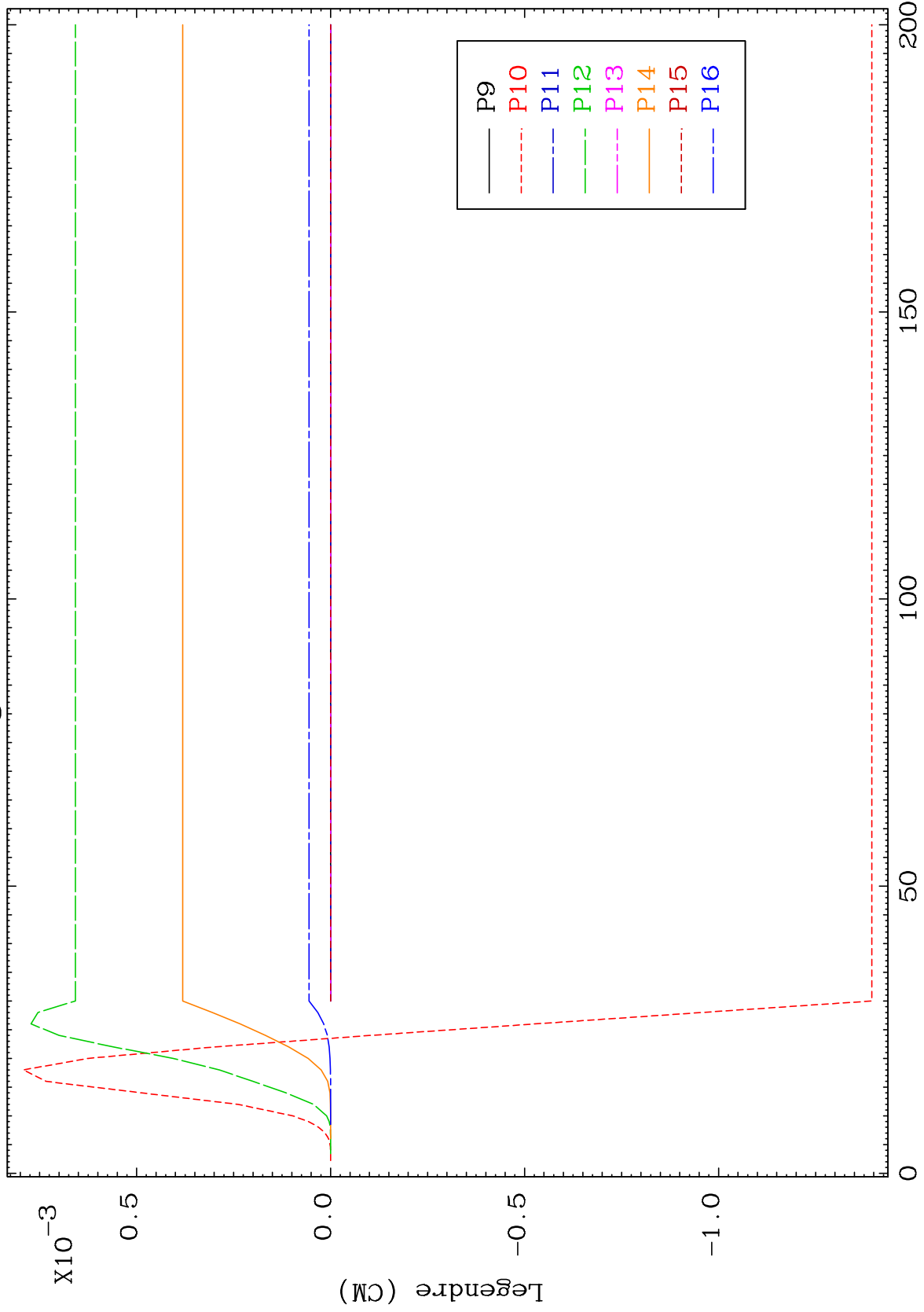
Incident Energy (MeV)

36

MAT 3431

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

34-Se-76

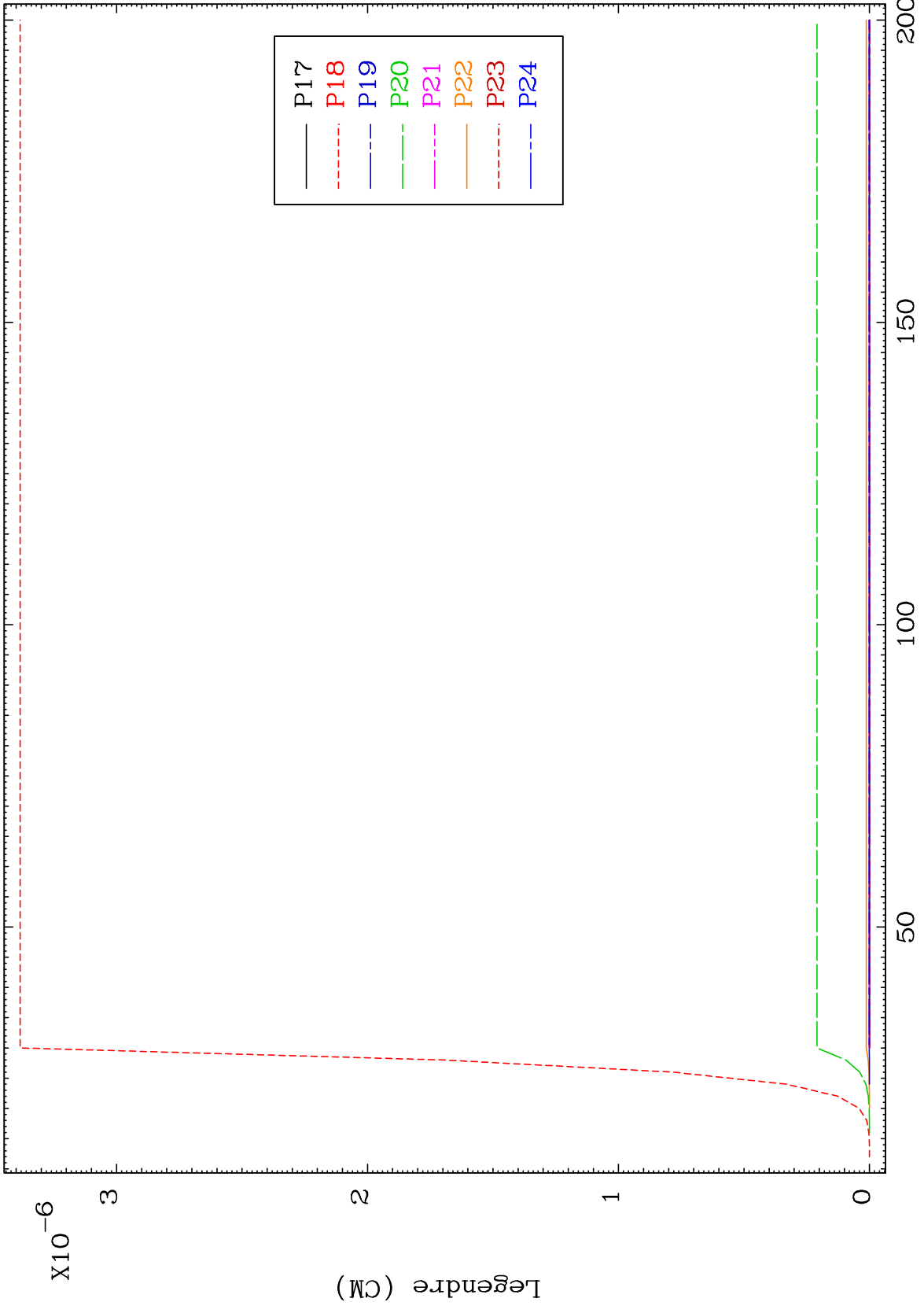


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Incident Energy (MeV)

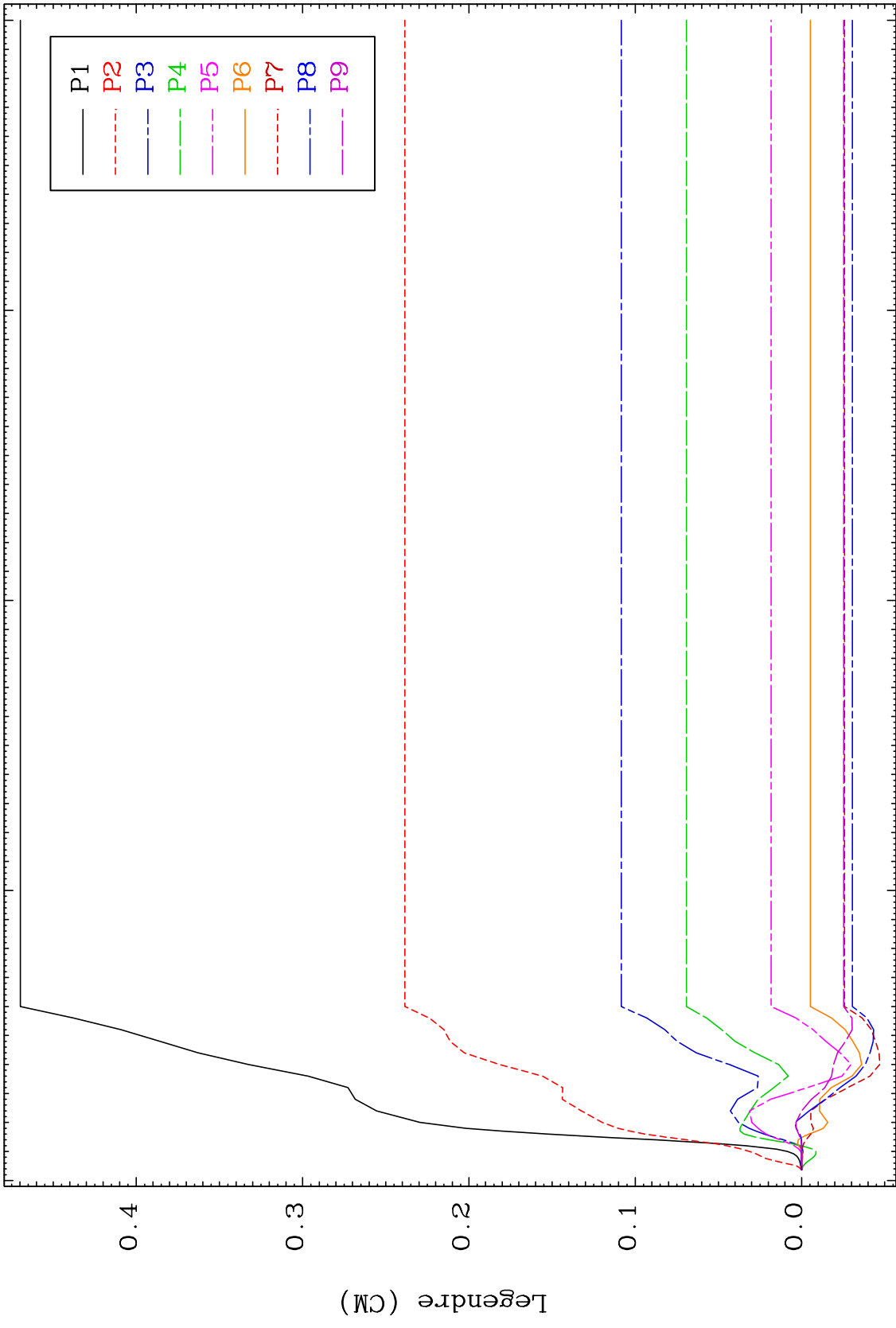
34-Se-76

MAT 3431 MT= 55 (n,n') Level Legendre Coefficients 34-Se-76



38 Incident Energy (MeV) 200 34-Se-76

MAT 3431 MT= 56 (n,n') Level Legendre Coefficients 34-Se-76

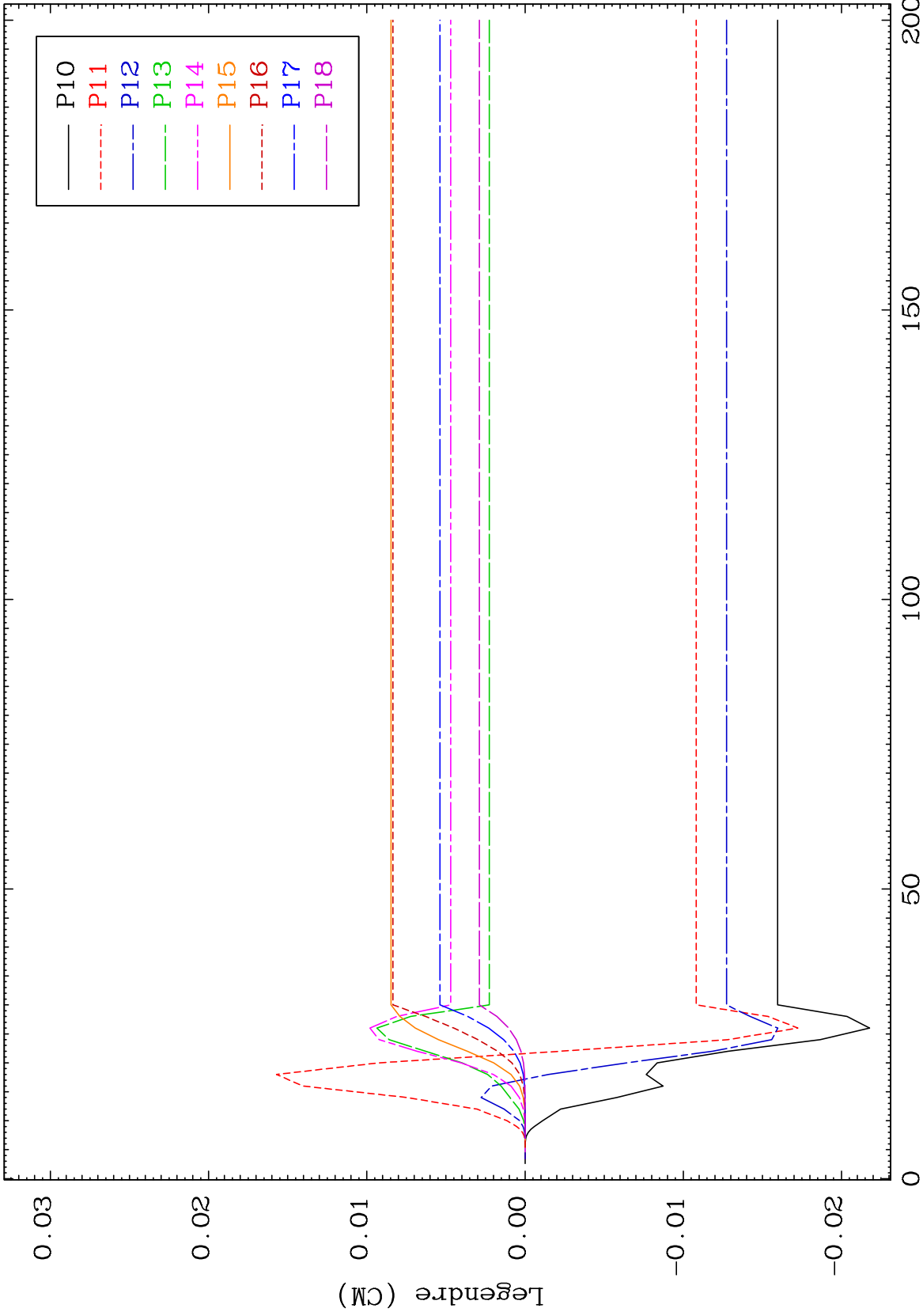


39 Incident Energy (MeV) 34-Se-76

MAT 3431

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

³⁴Se-76



40

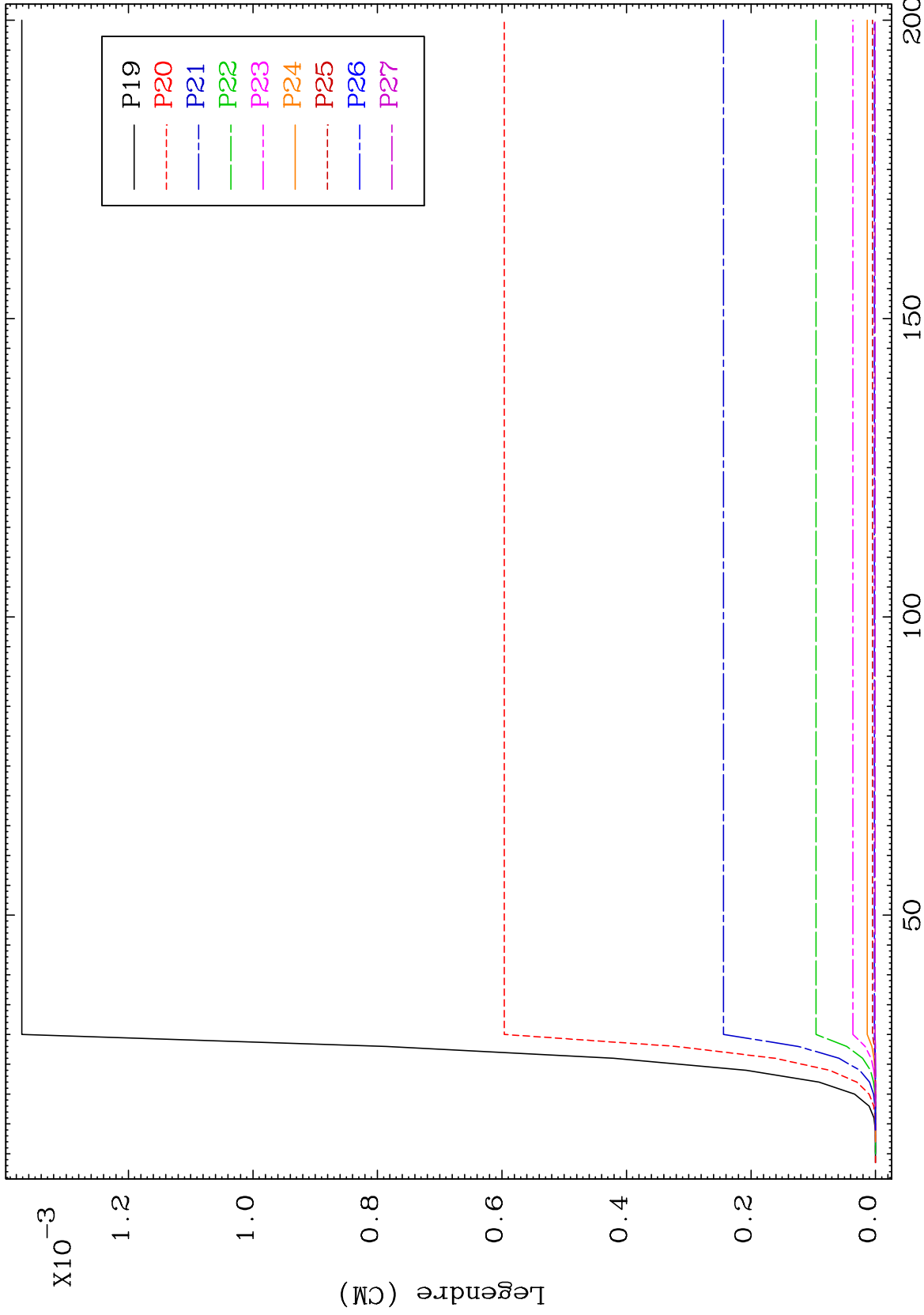
Incident Energy (MeV)

³⁴Se-76

MAT 3431

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

34-Se-76



41

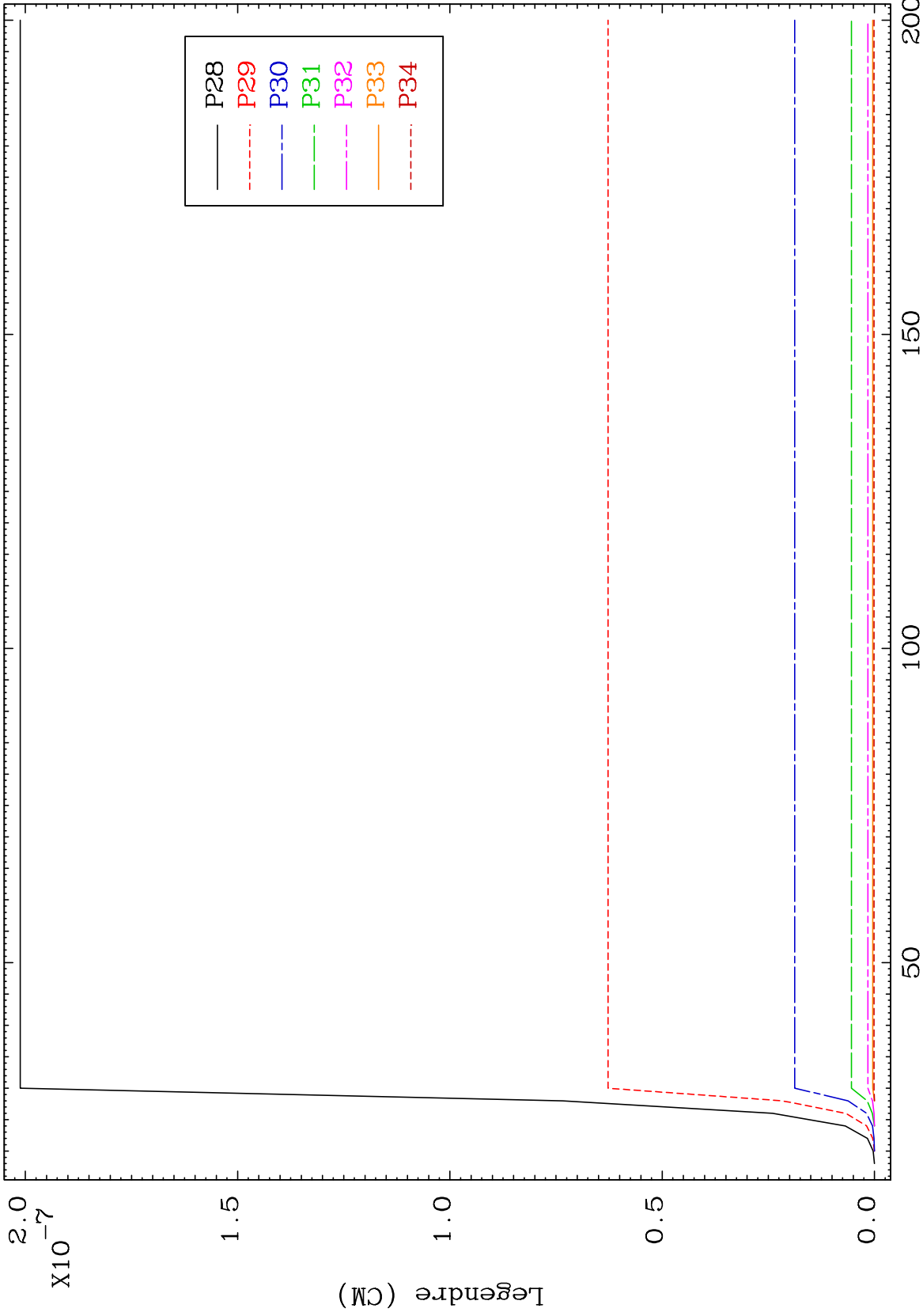
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



42

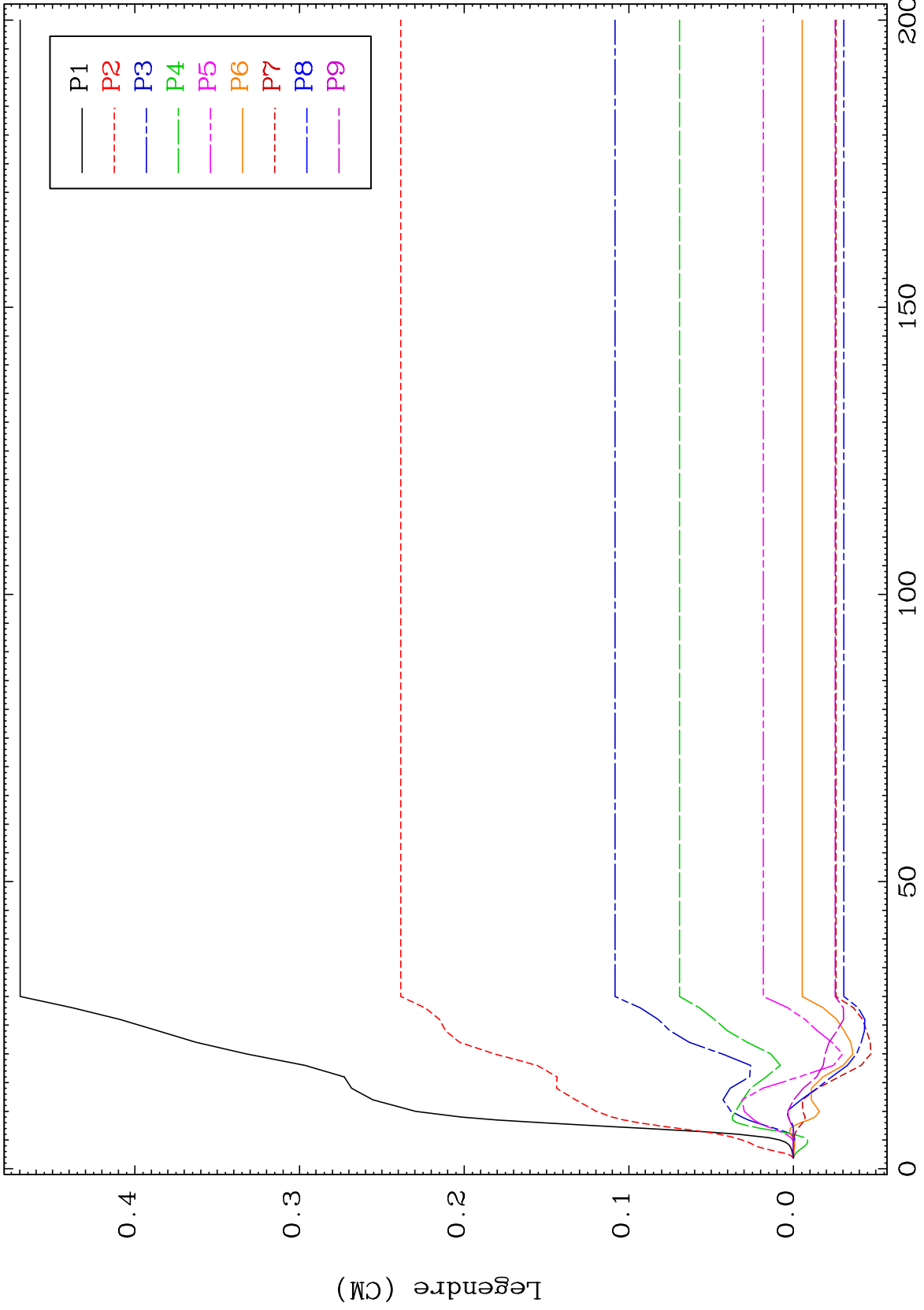
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



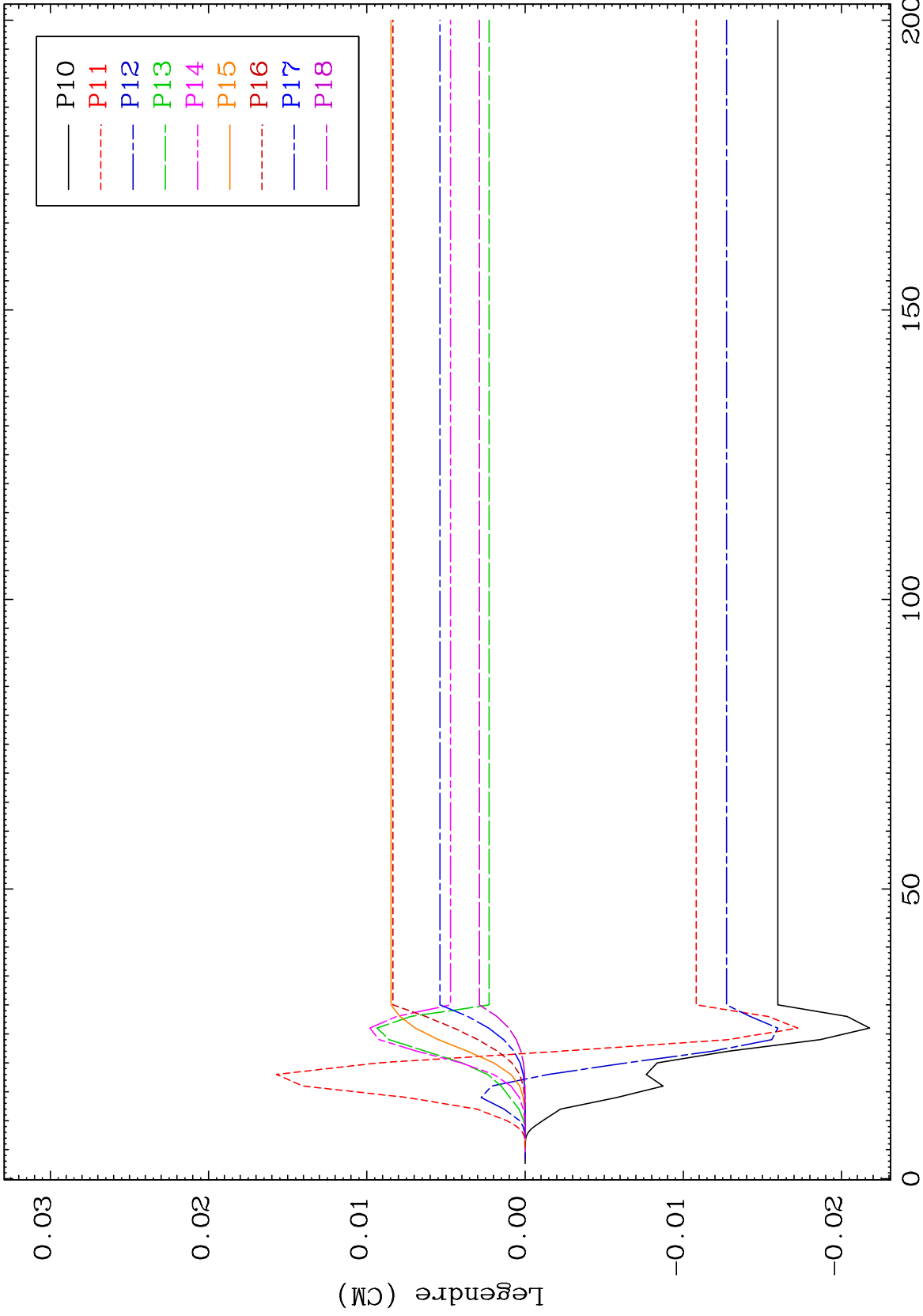
43

34-Se-76

MAT 3431

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

³⁴Se-76



44

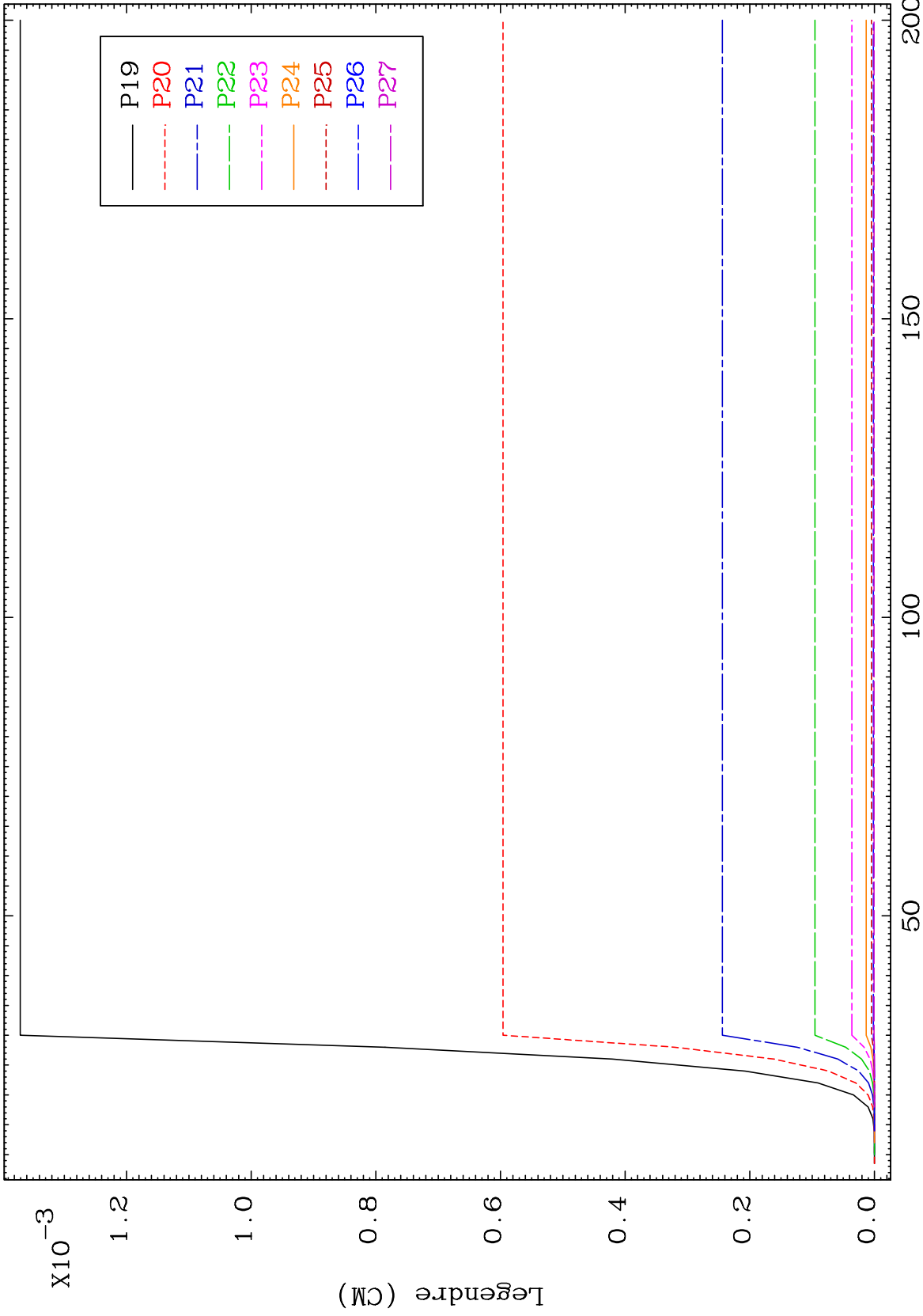
Incident Energy (MeV)

³⁴Se-76

MAT 3431

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

34-Se-76



45

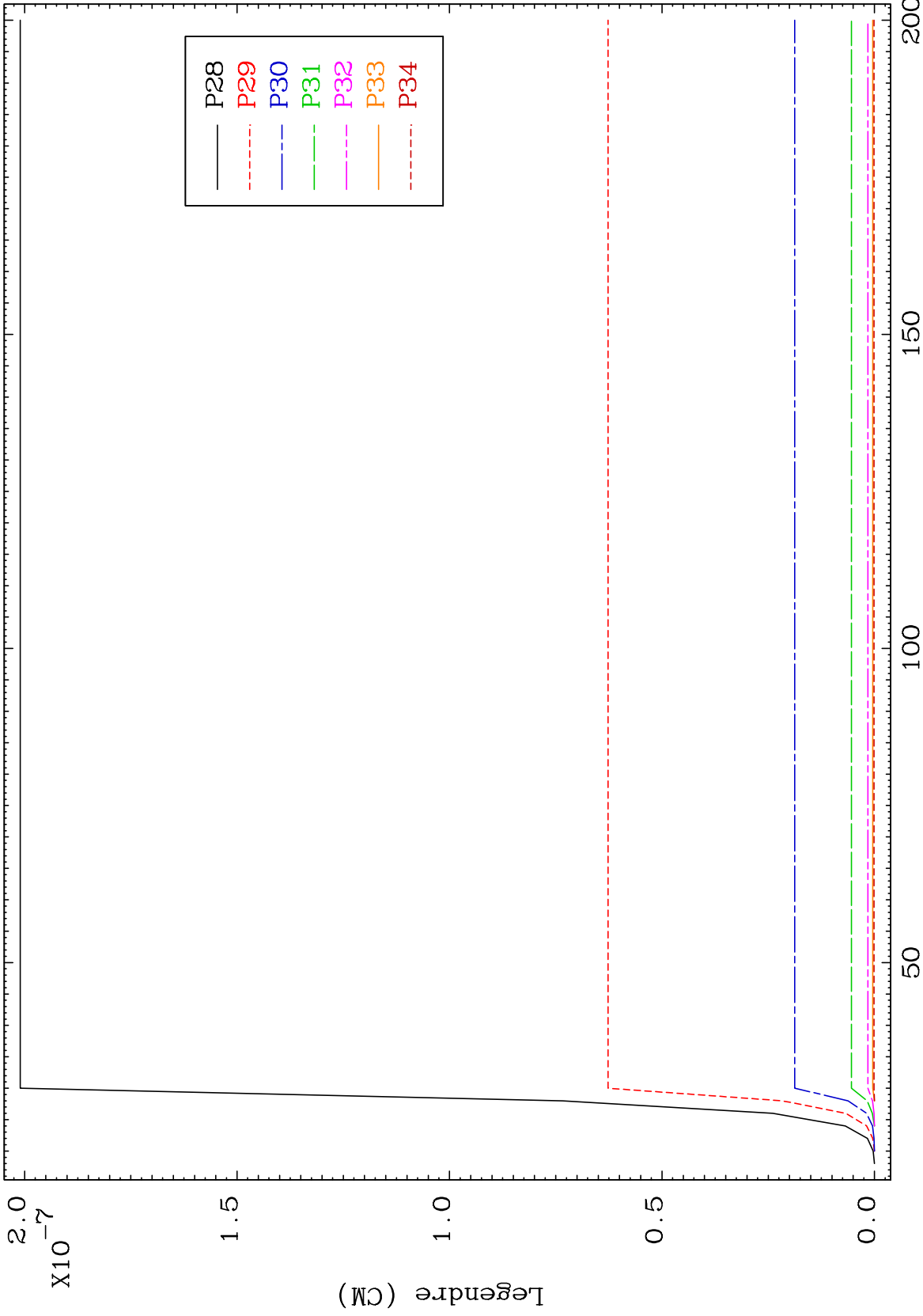
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76

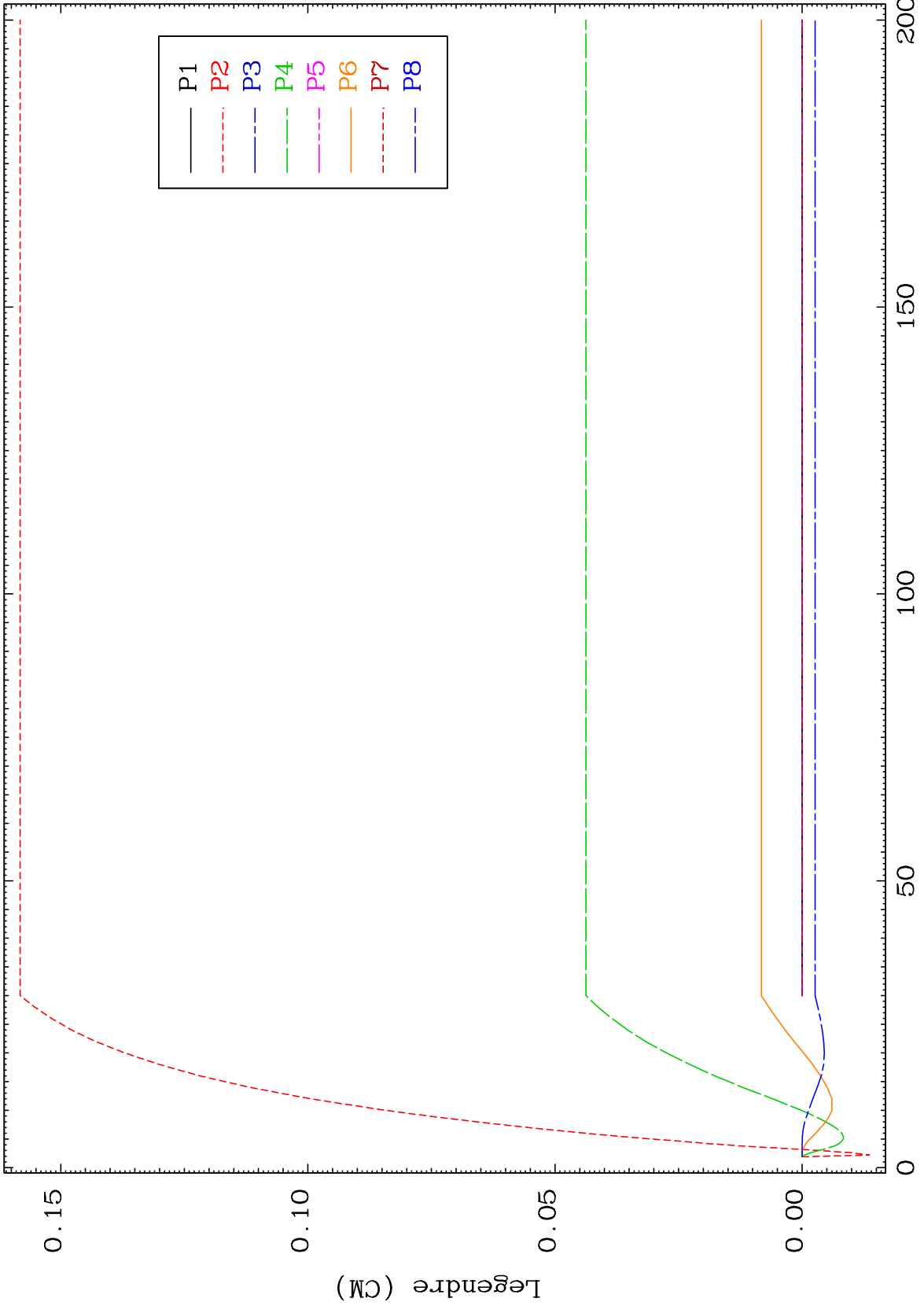


46

Incident Energy (MeV)

34-Se-76

MAT 3431 MT= 58 (n,n') Level Legendre Coefficients 34-Se-76

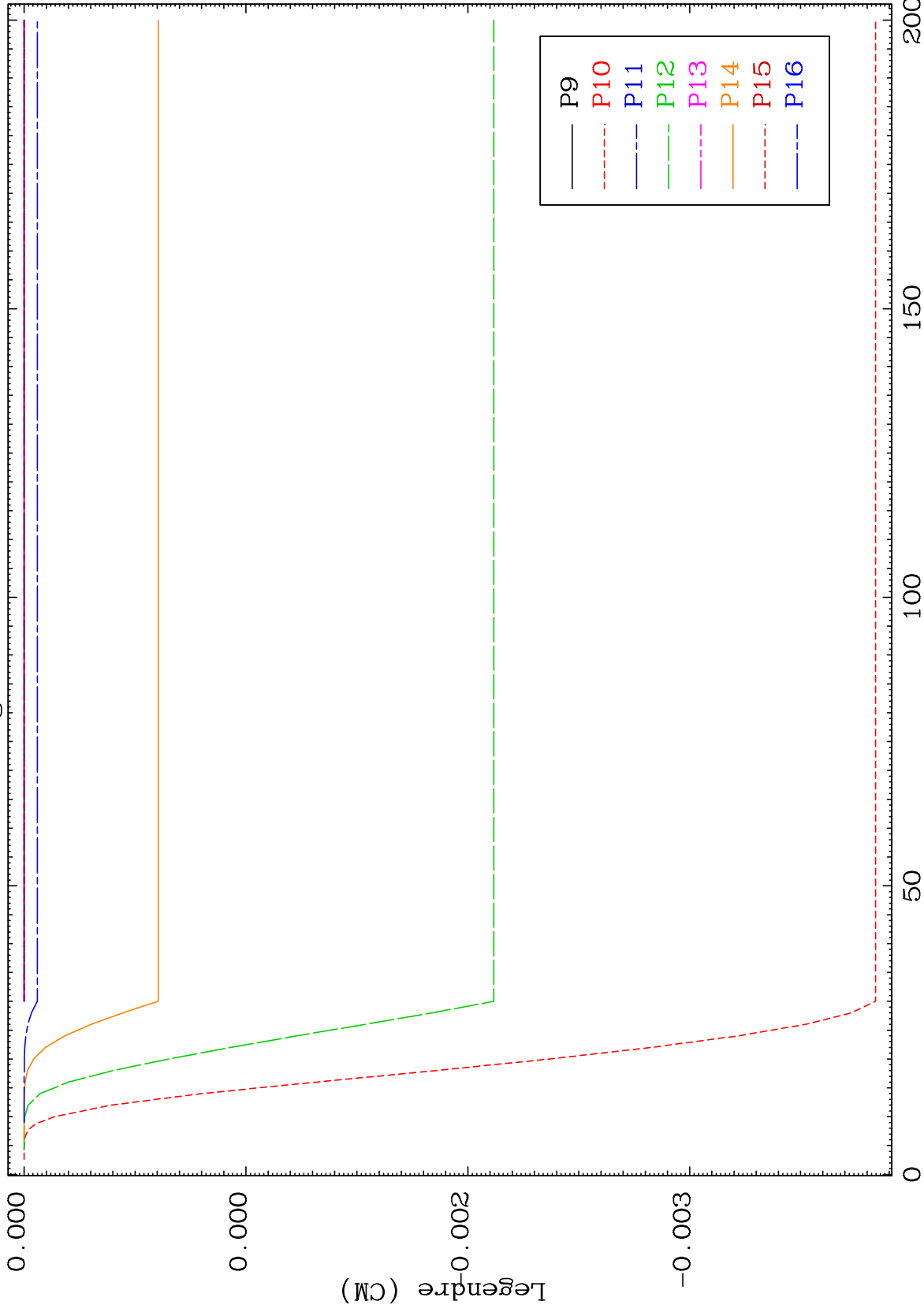


47 34-Se-76

MAT 3431

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

34-Se-76



34-Se-76

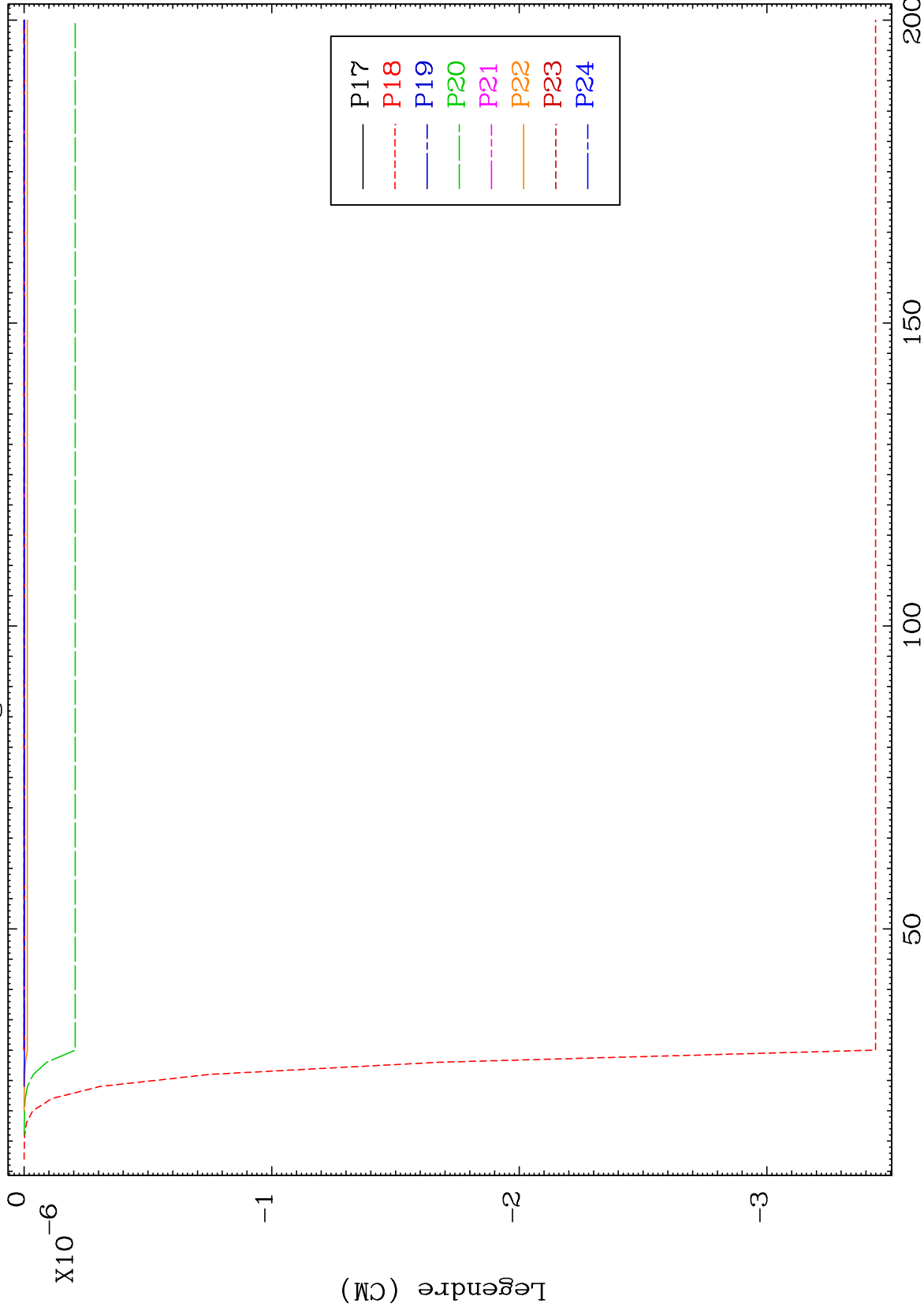
Incident Energy (MeV)

48

MAT 3431

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

34-Se-76



34-Se-76

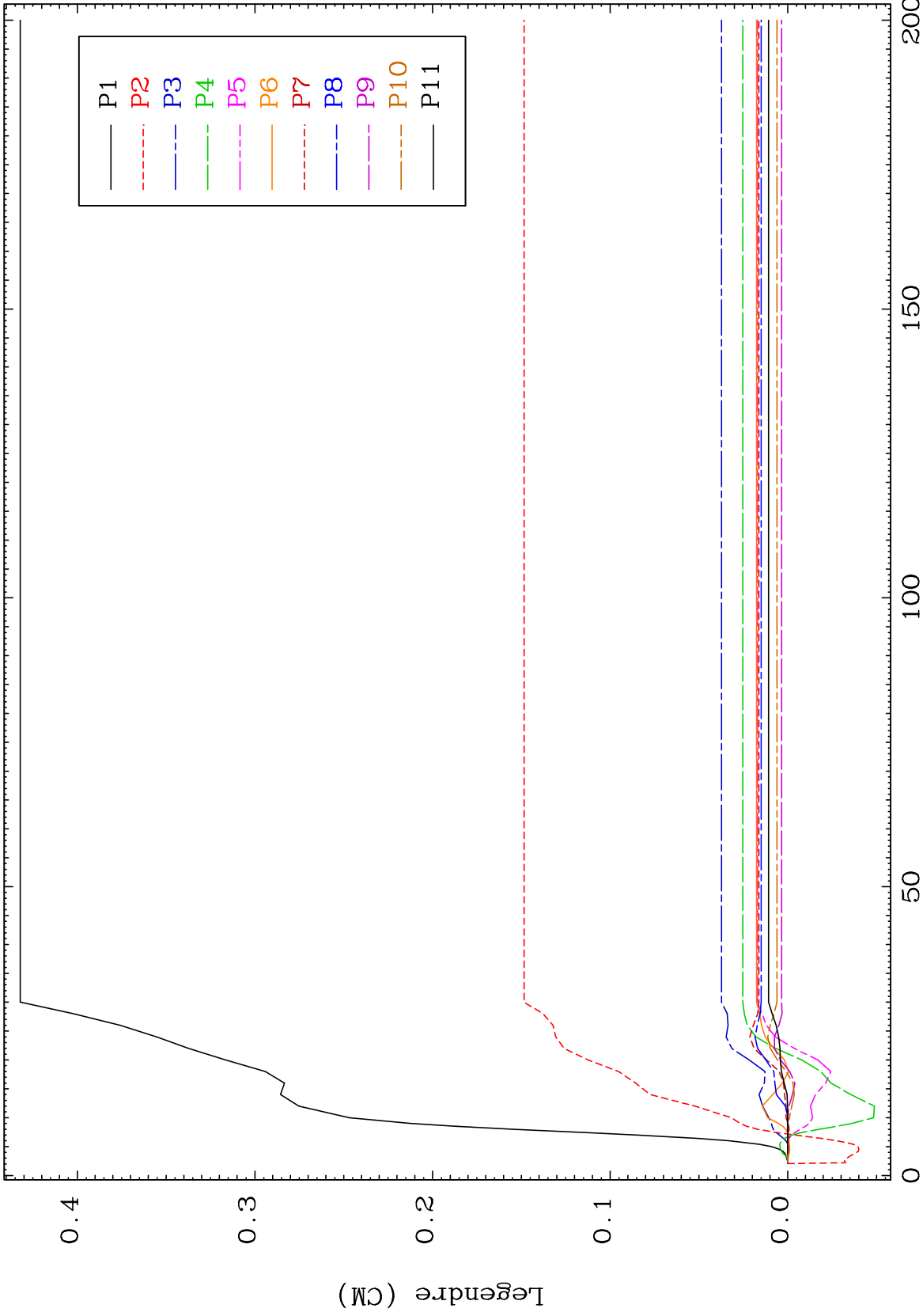
Incident Energy (MeV)

49

MAT 3431

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

34-Se-76

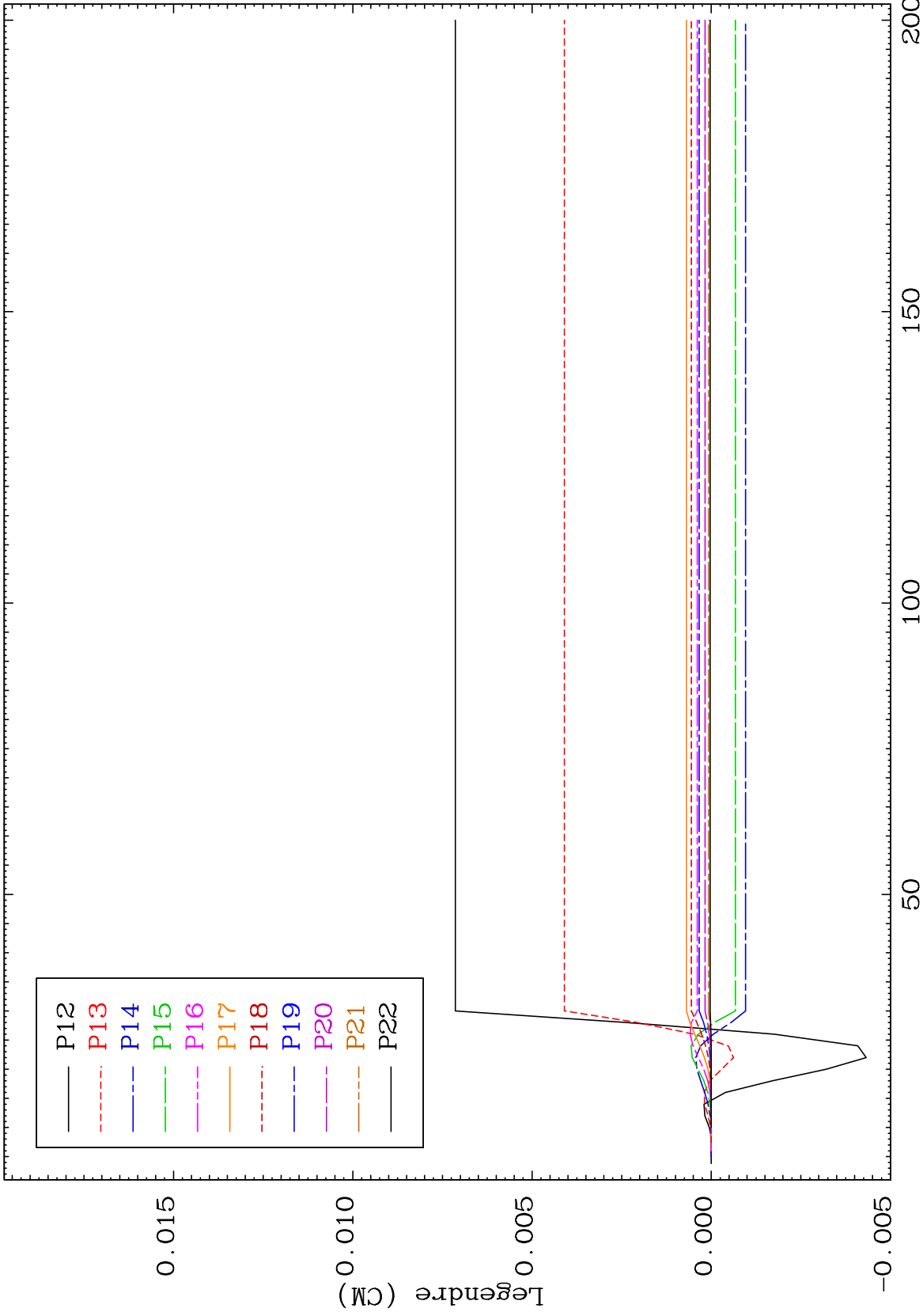


34-Se-76

MAT 3431

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

34-Se-76



51

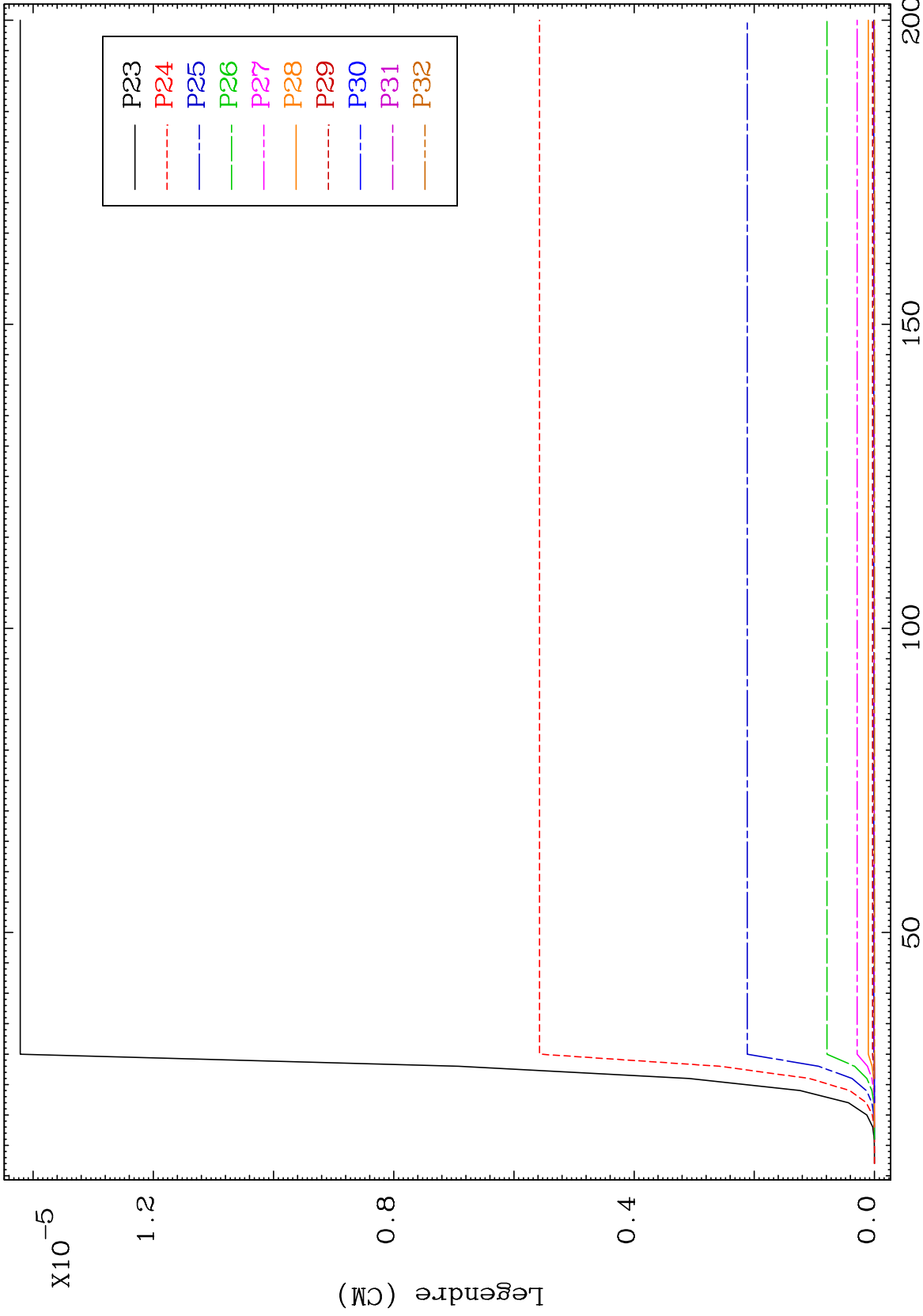
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



52

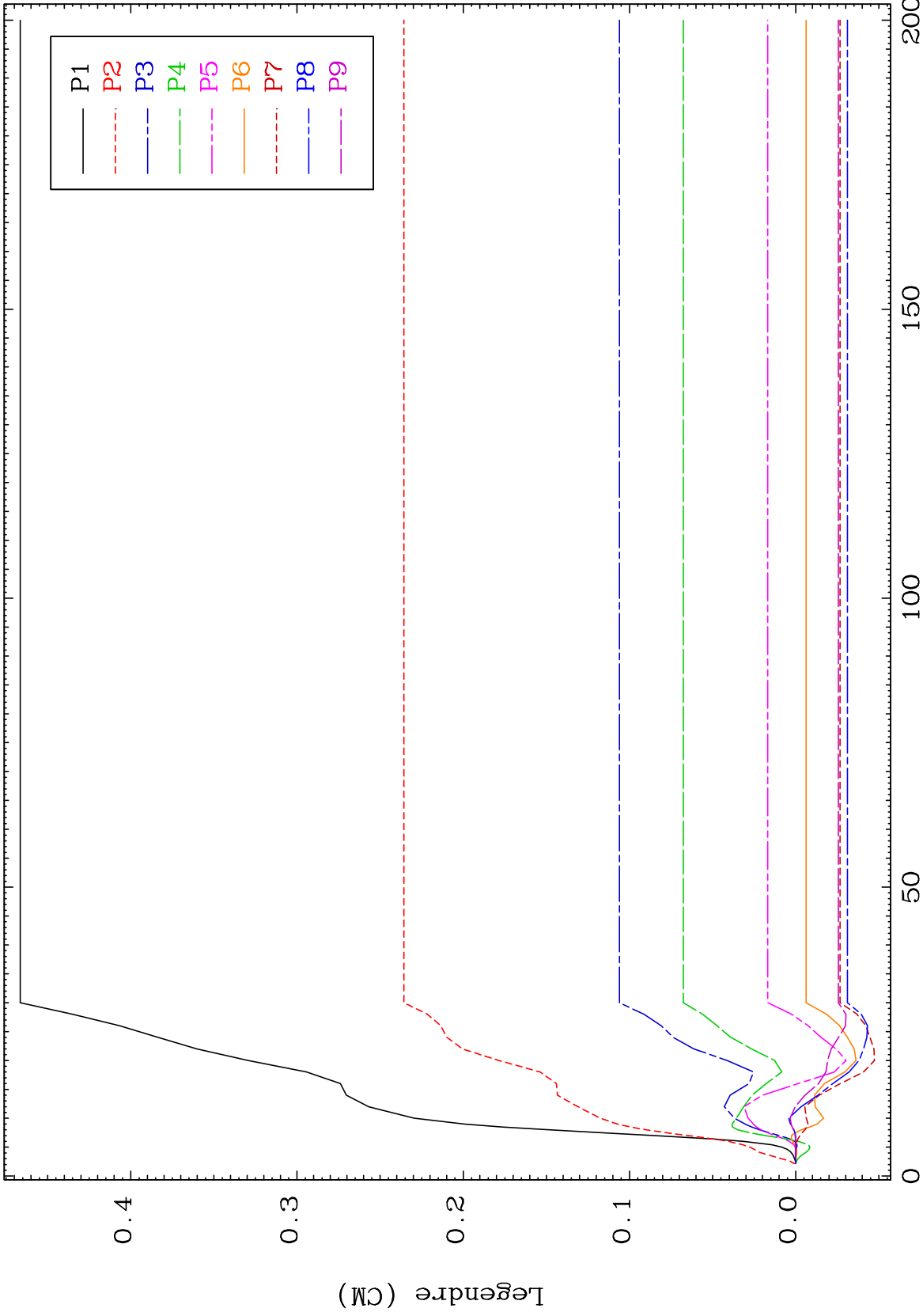
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



53

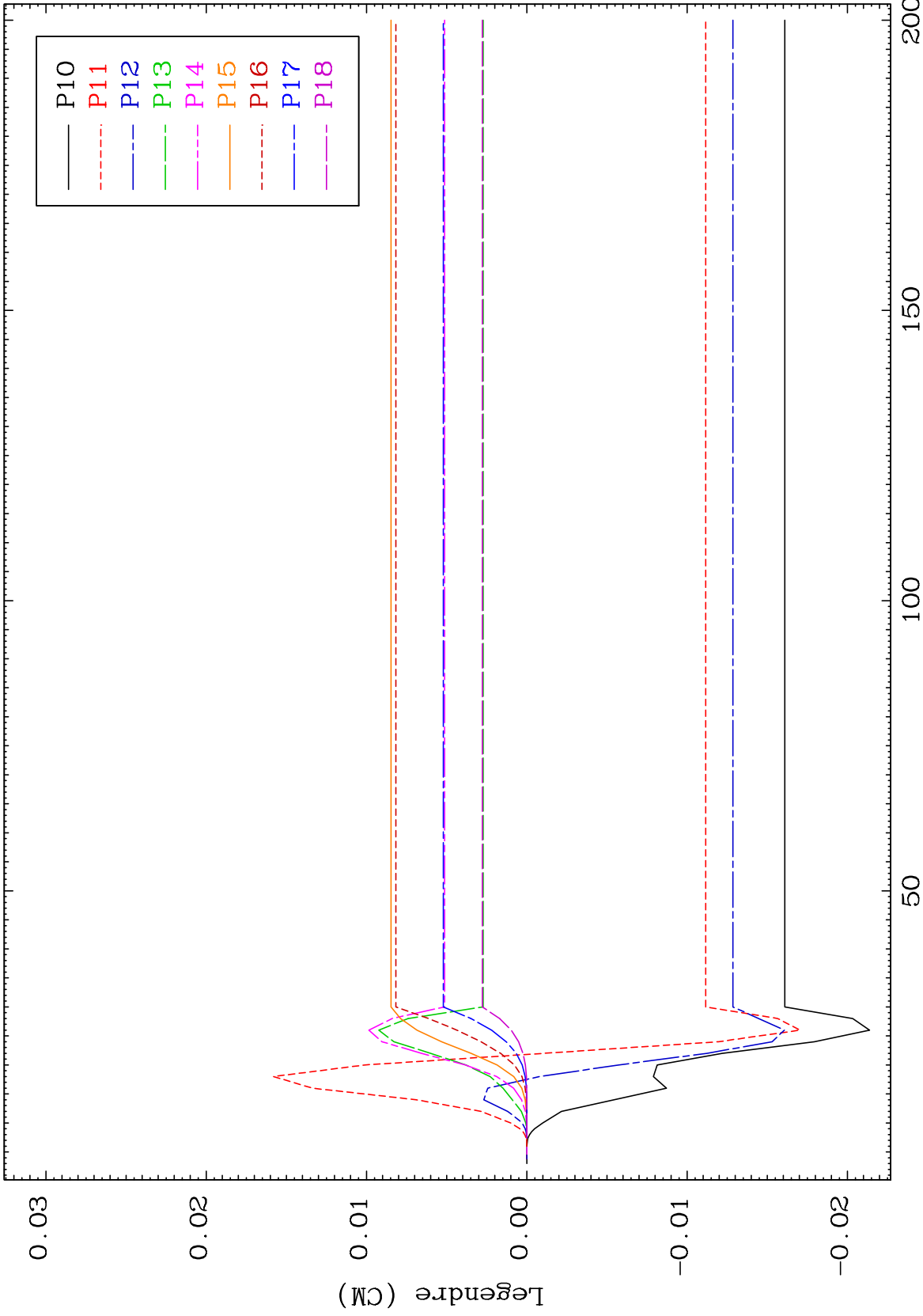
Incident Energy (MeV)

34-Se-76

MAT 3431

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

³⁴Se-76



54

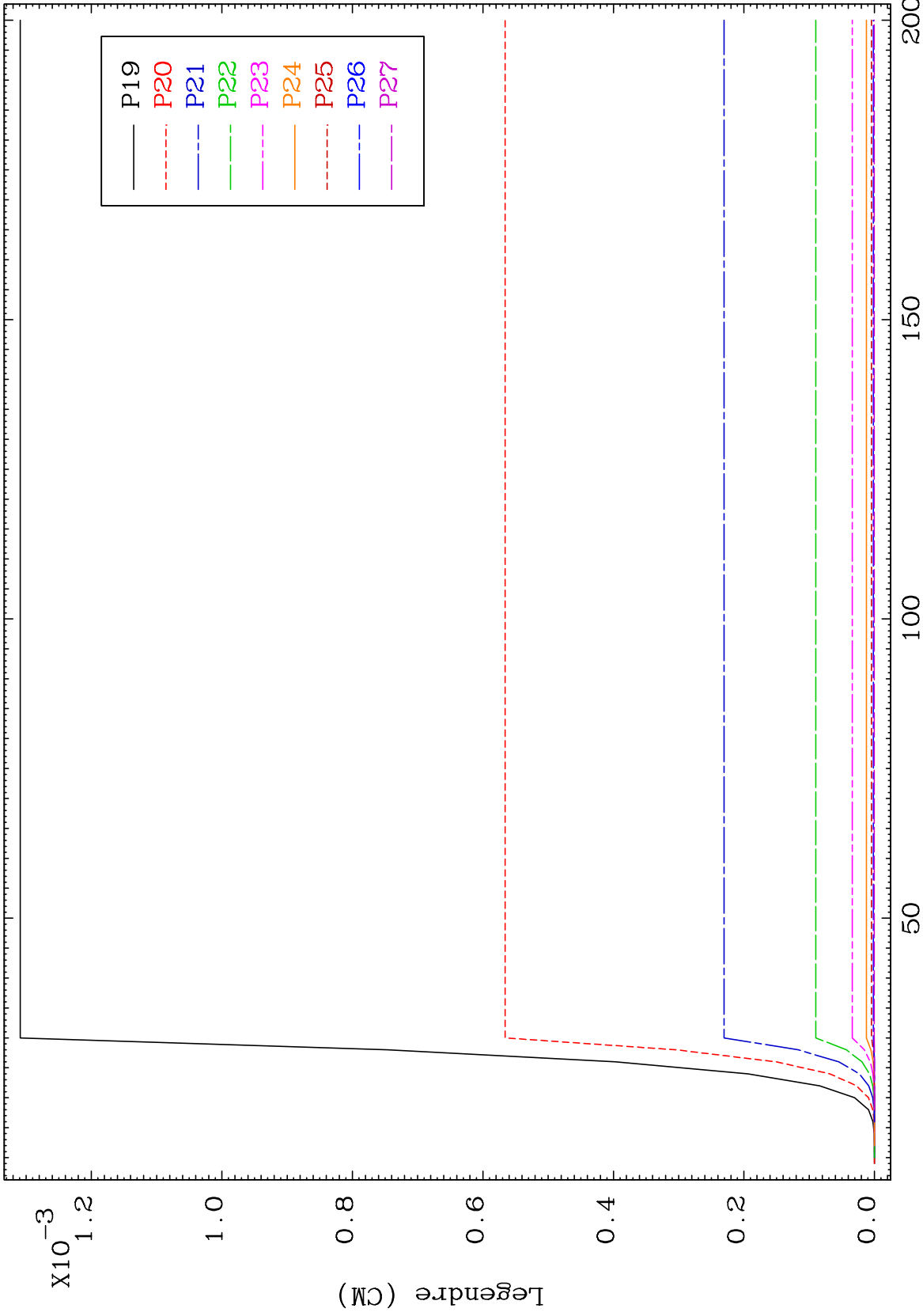
Incident Energy (MeV)

³⁴Se-76

MAT 3431

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

34-Se-76



55

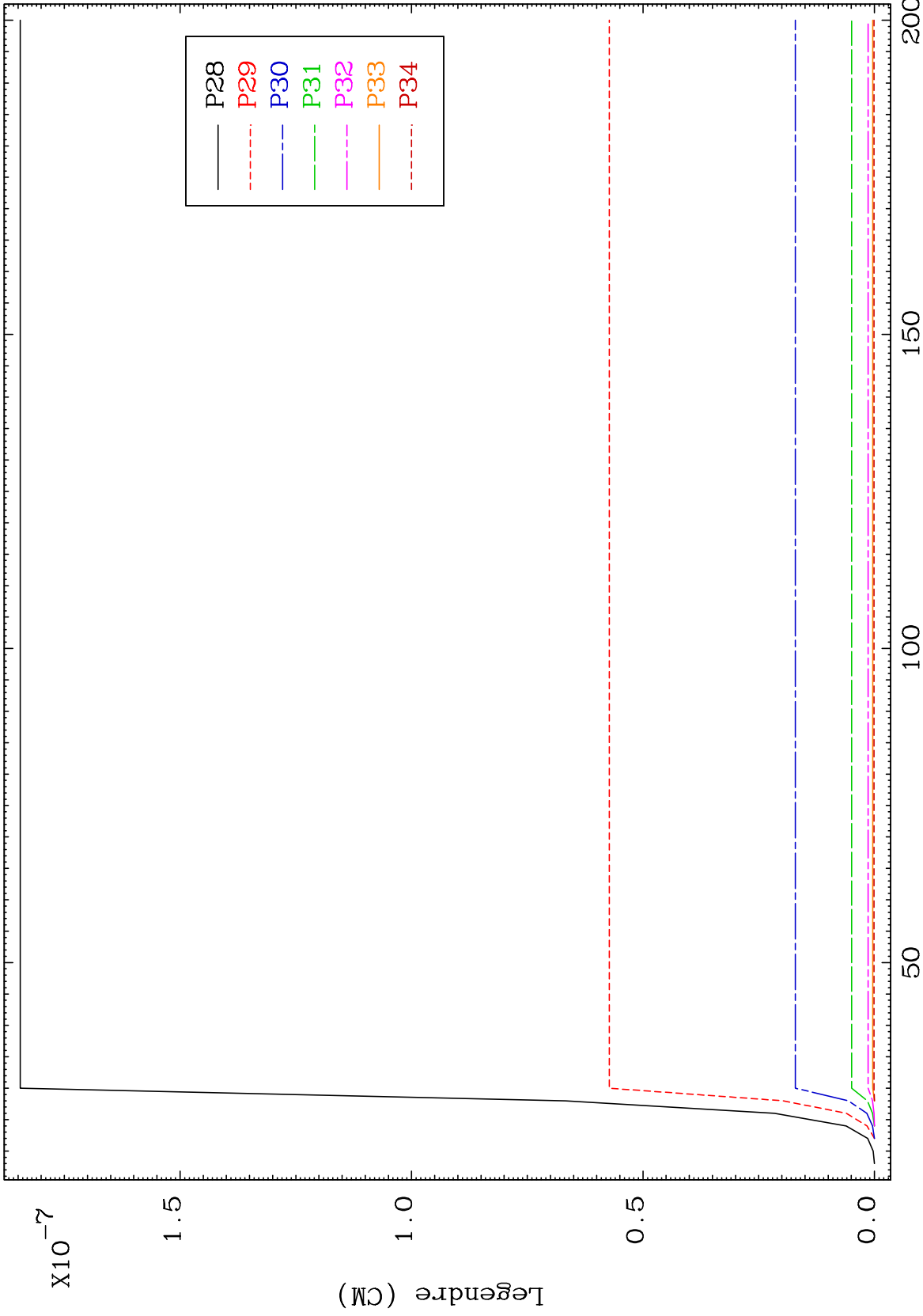
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



56

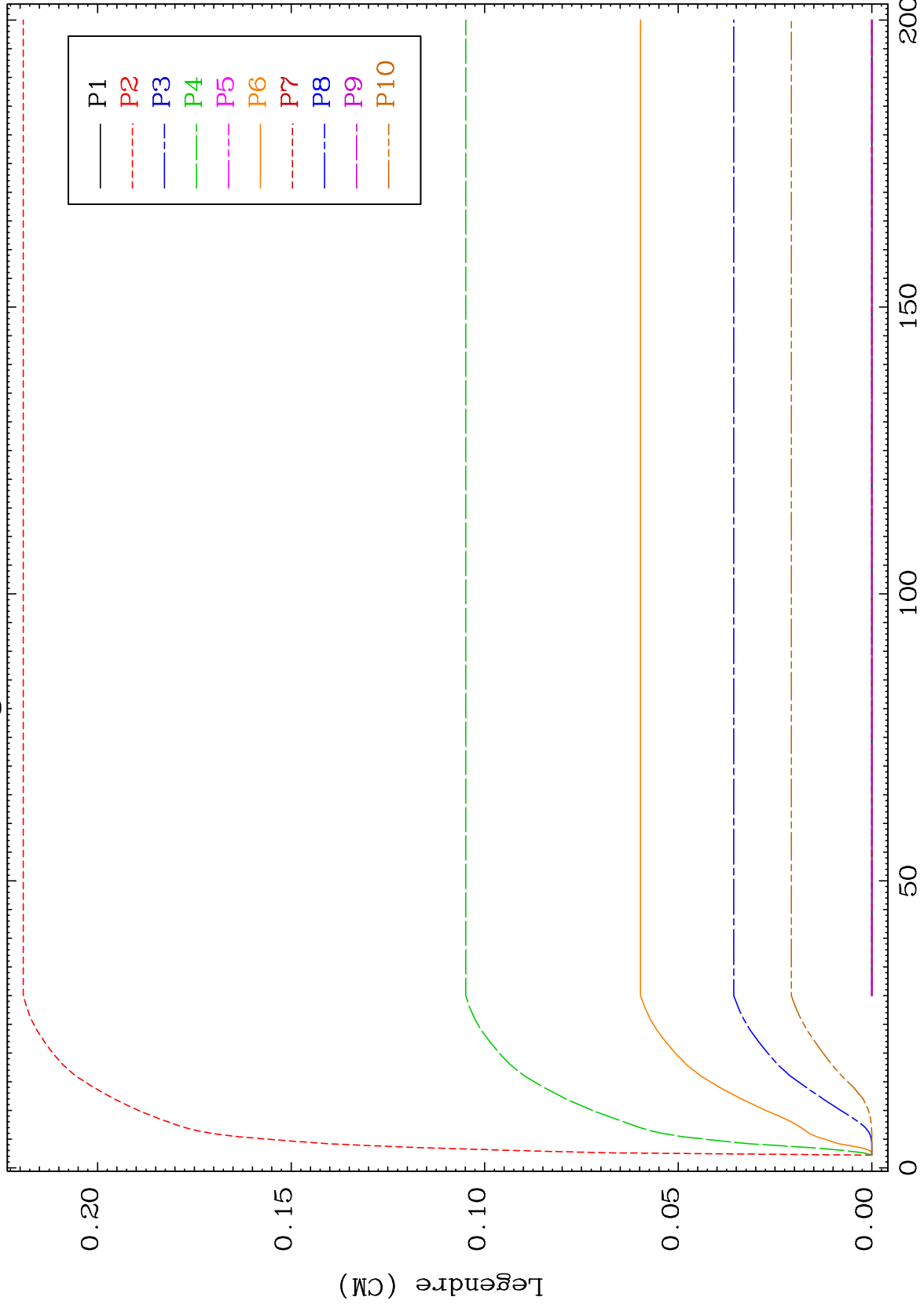
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



57

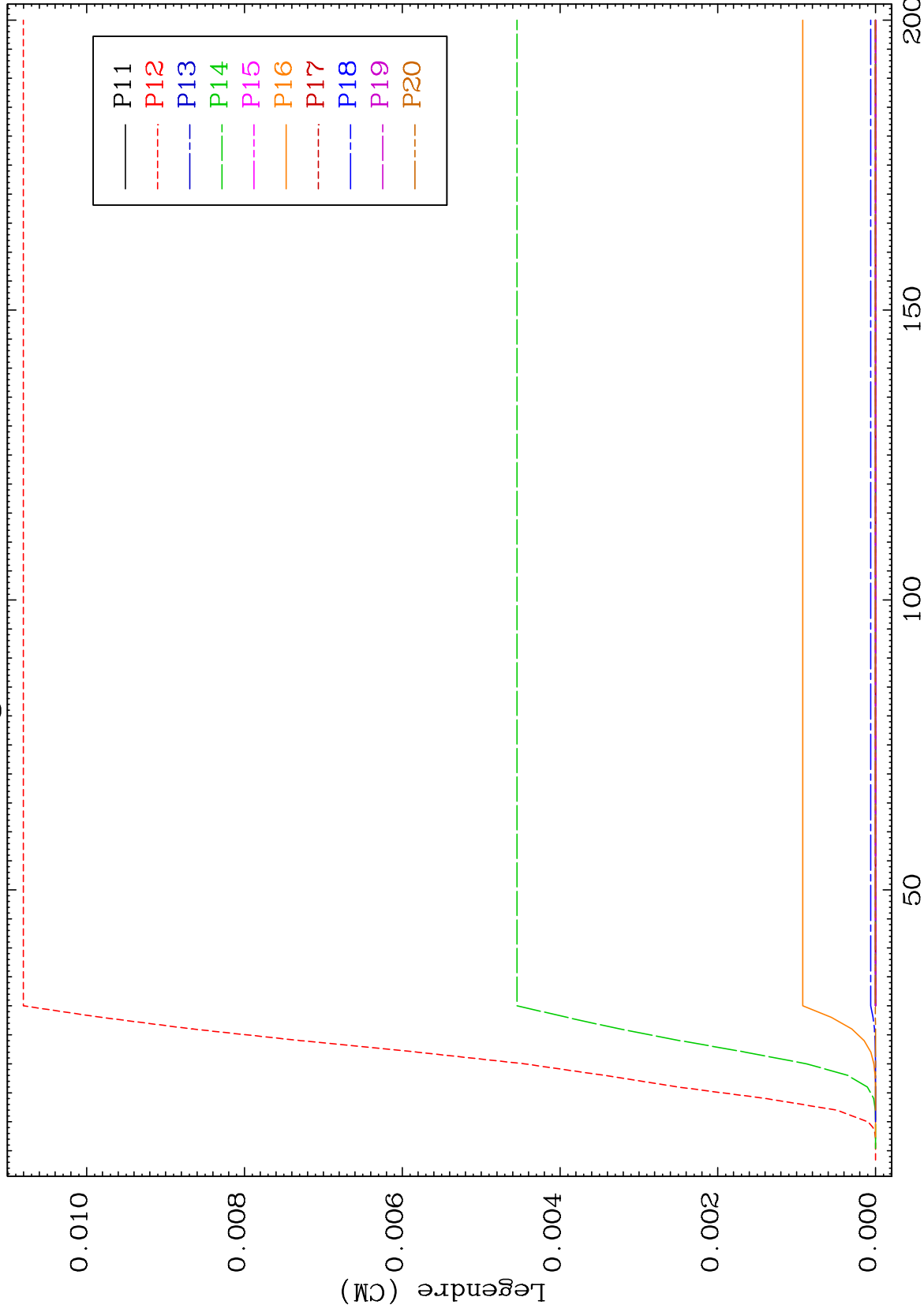
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76

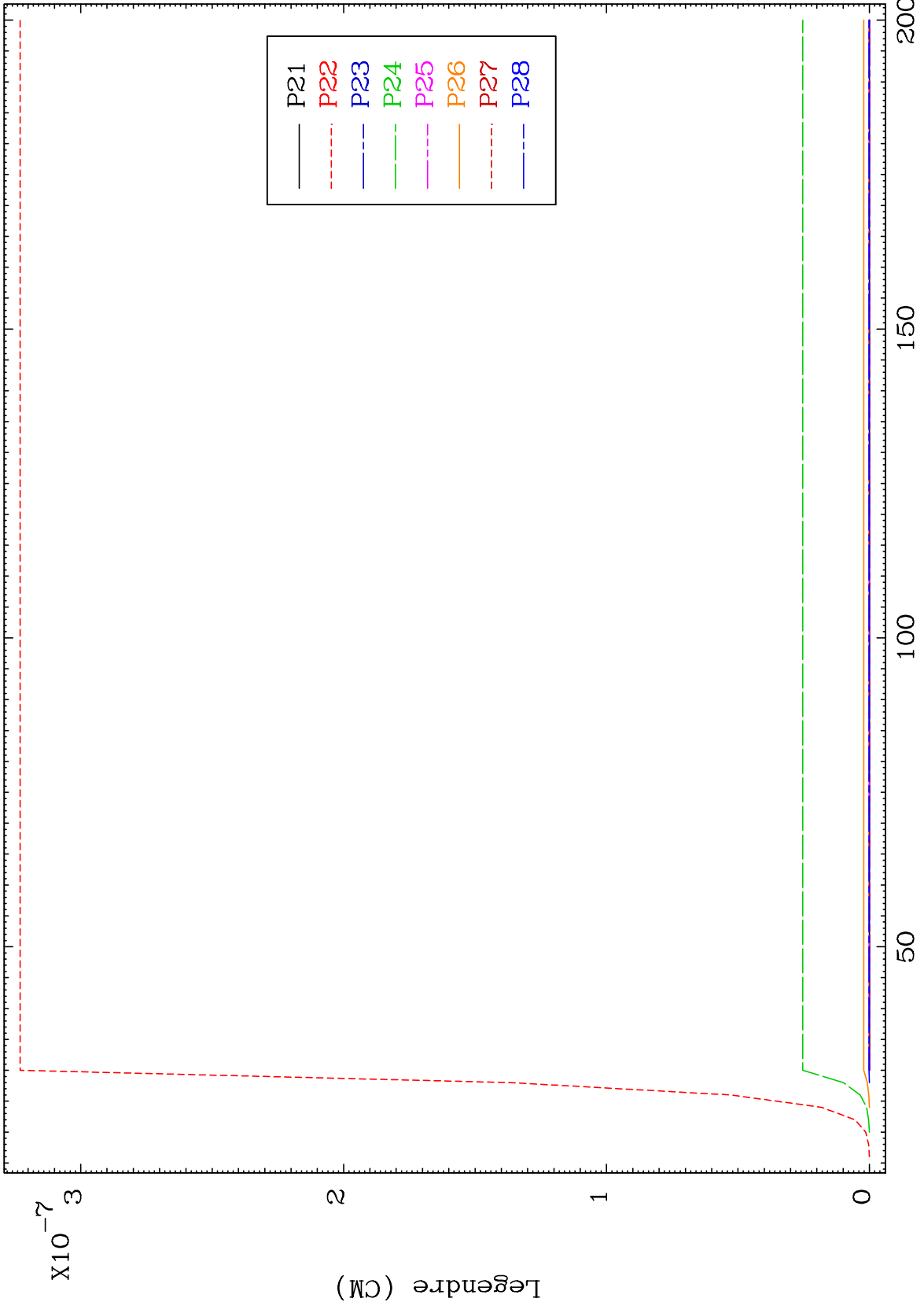


58

Incident Energy (MeV)

34-Se-76

MAT 3431 MT= 61 (n,n') Level Legendre Coefficients 34-Se-76

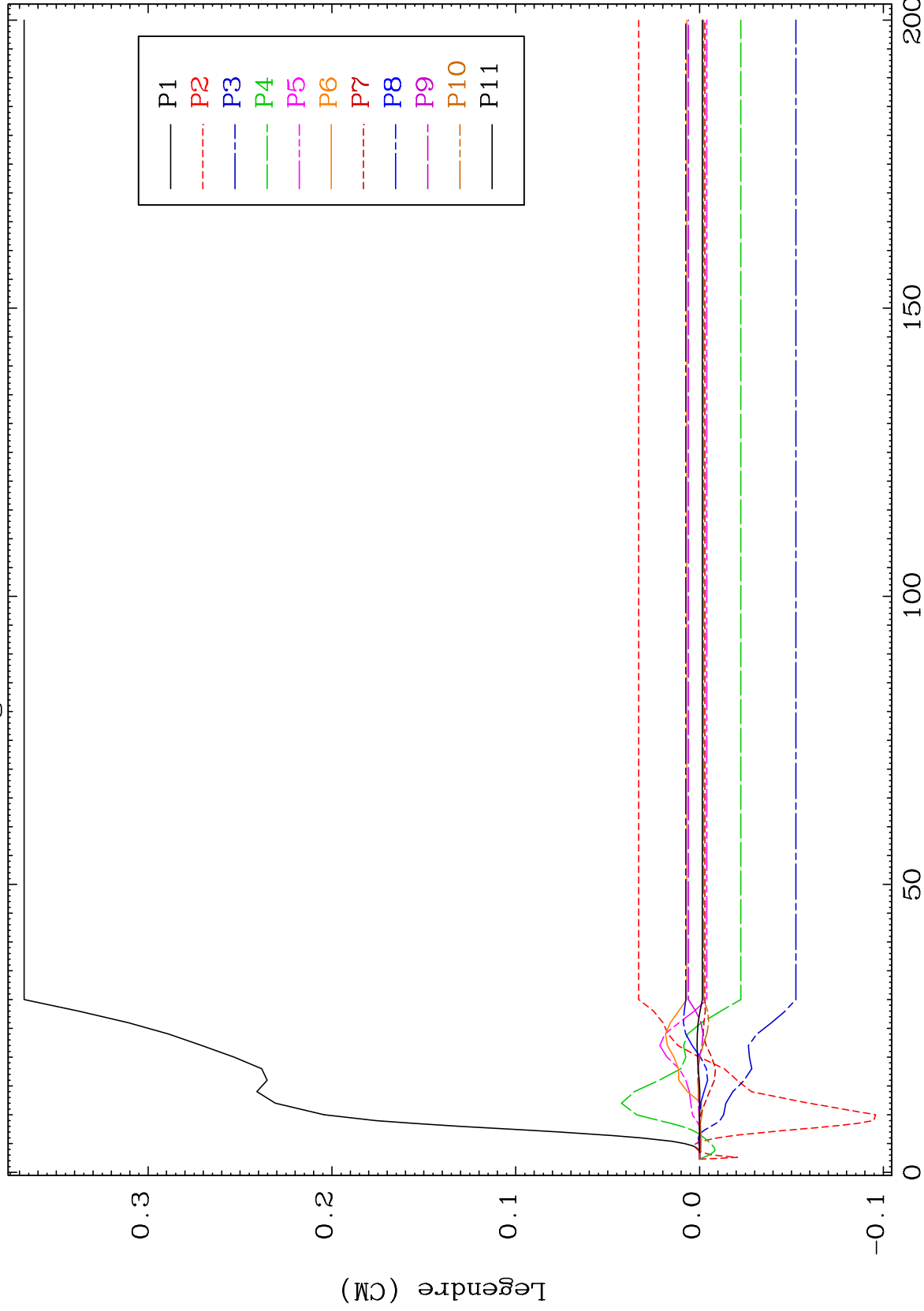


59 34-Se-76

MAT 3431

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

34-Se-76



34-Se-76

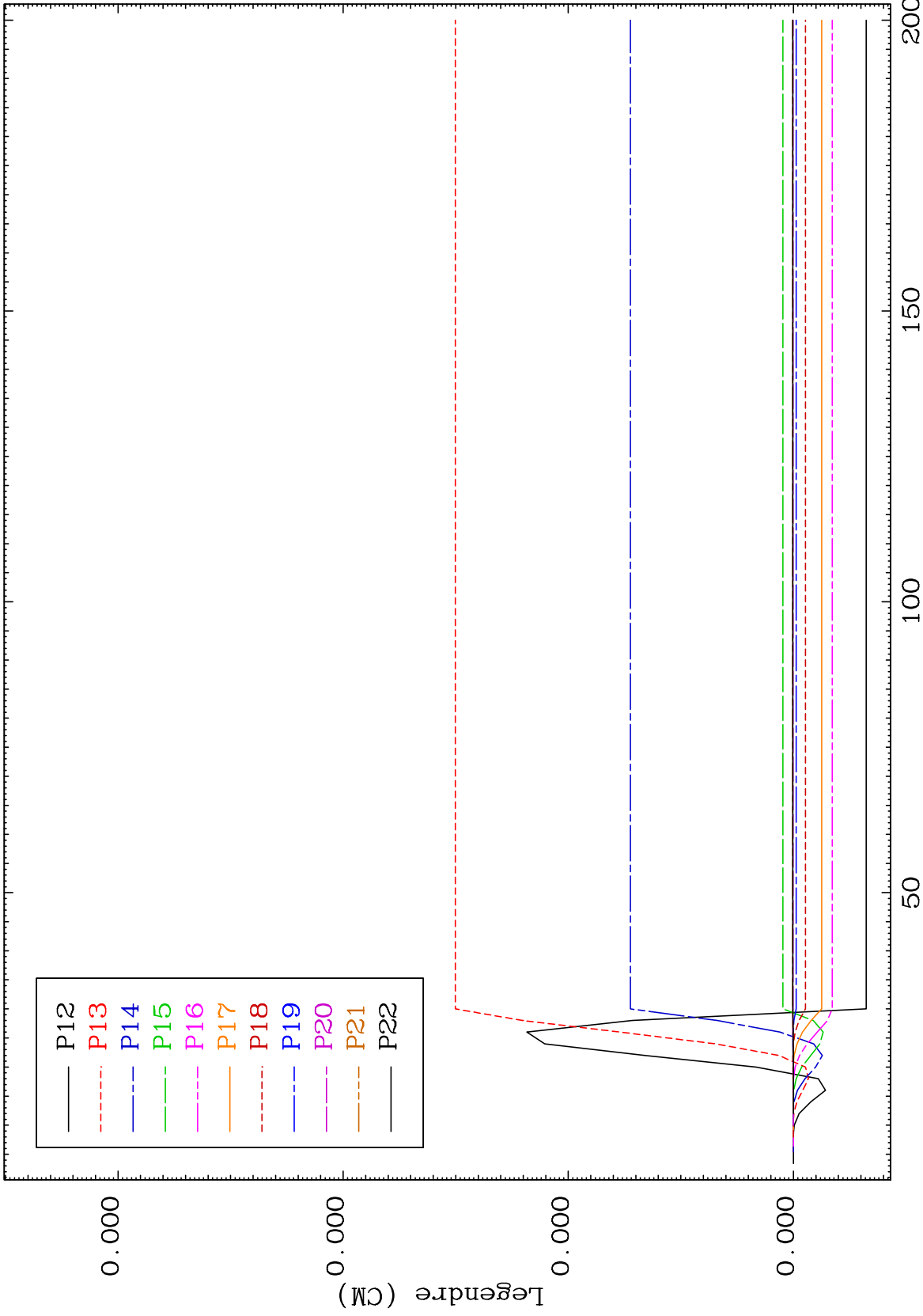
Incident Energy (MeV)

60

MAT 3431

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

34-Se-76



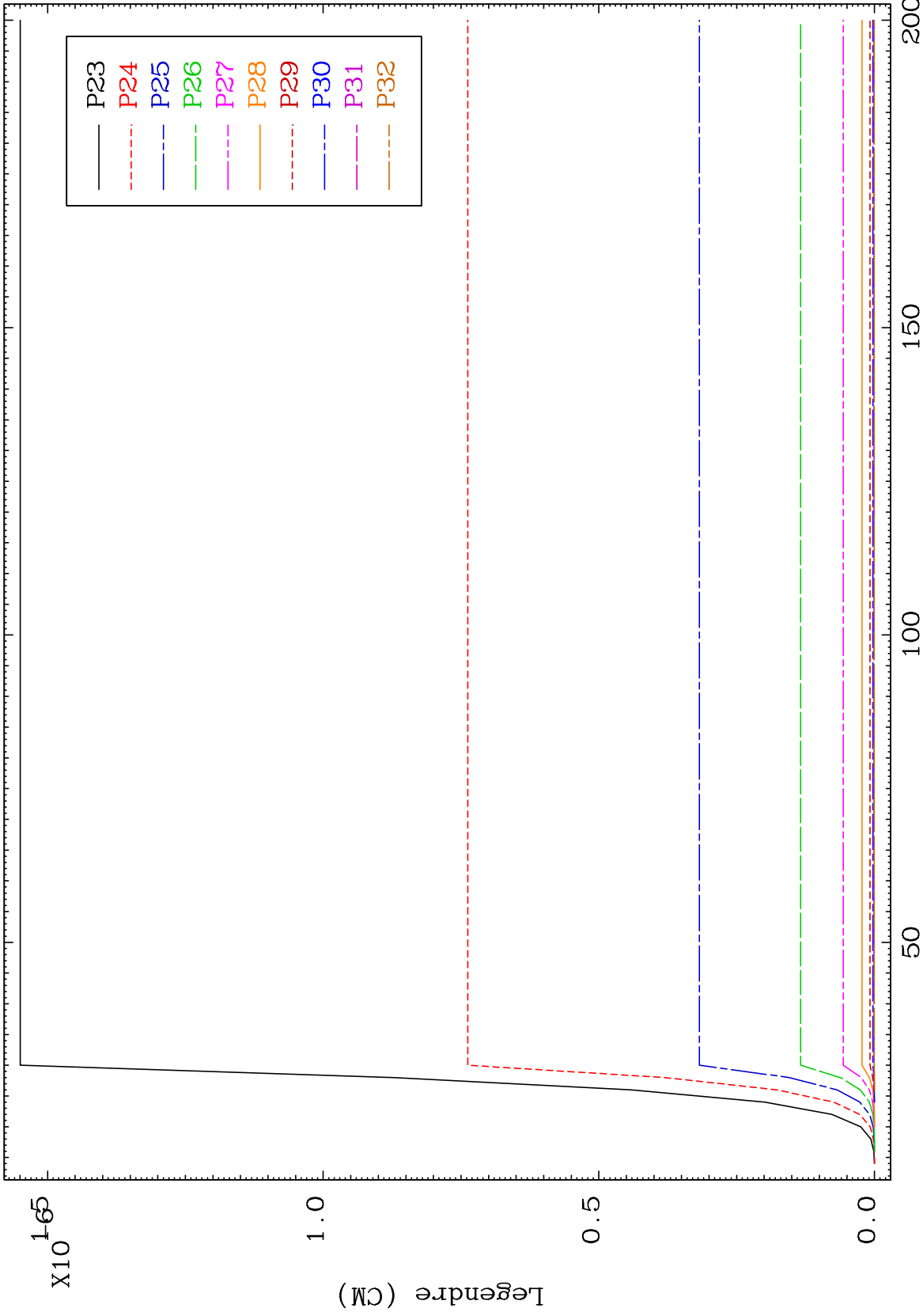
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34-Se-76

MAT 3431

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

34-Se-76



62

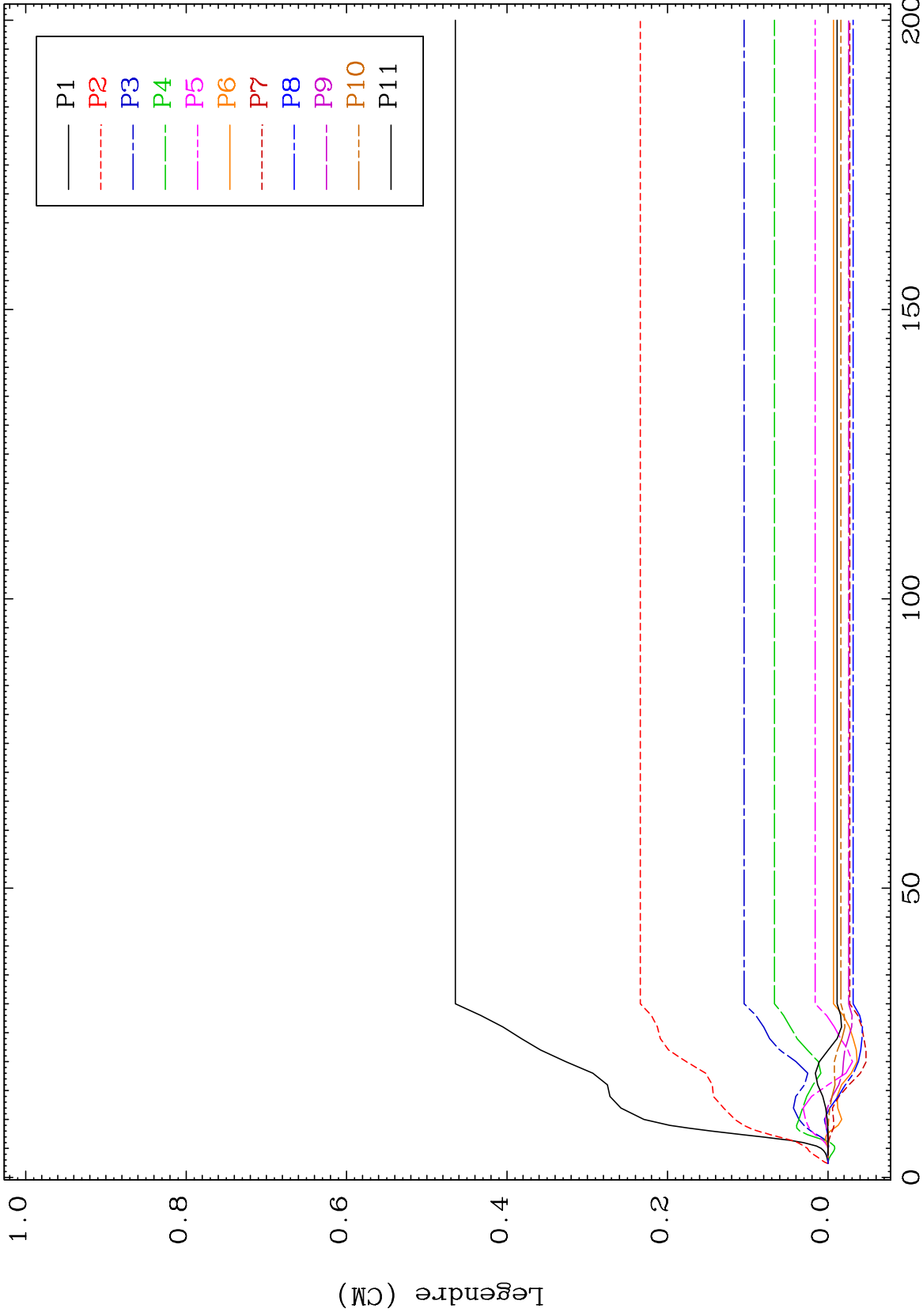
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76

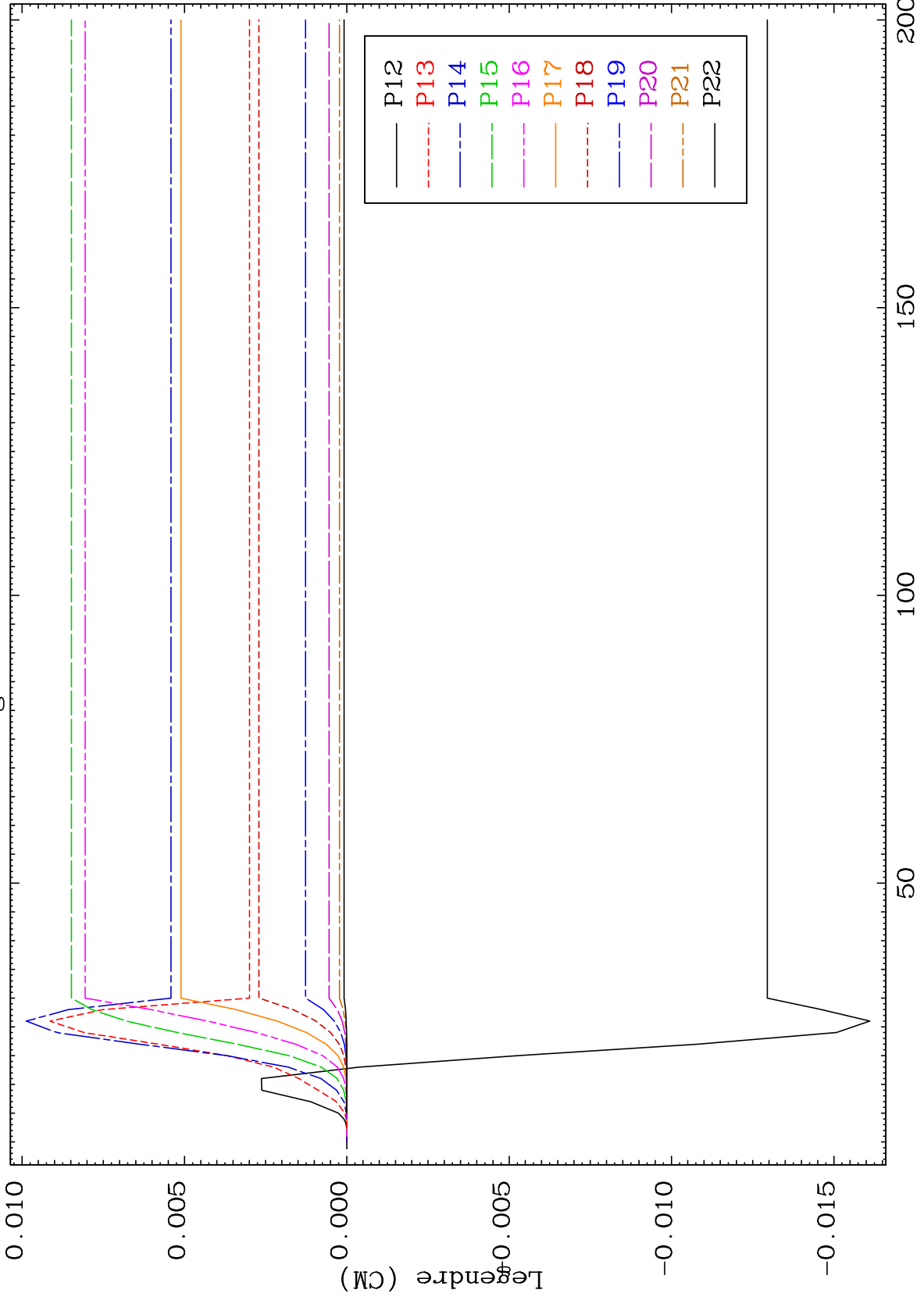


63

Incident Energy (MeV)

34-Se-76

MAT 3431 MT= 63 (n,n') Level Legendre Coefficients 34-Se-76

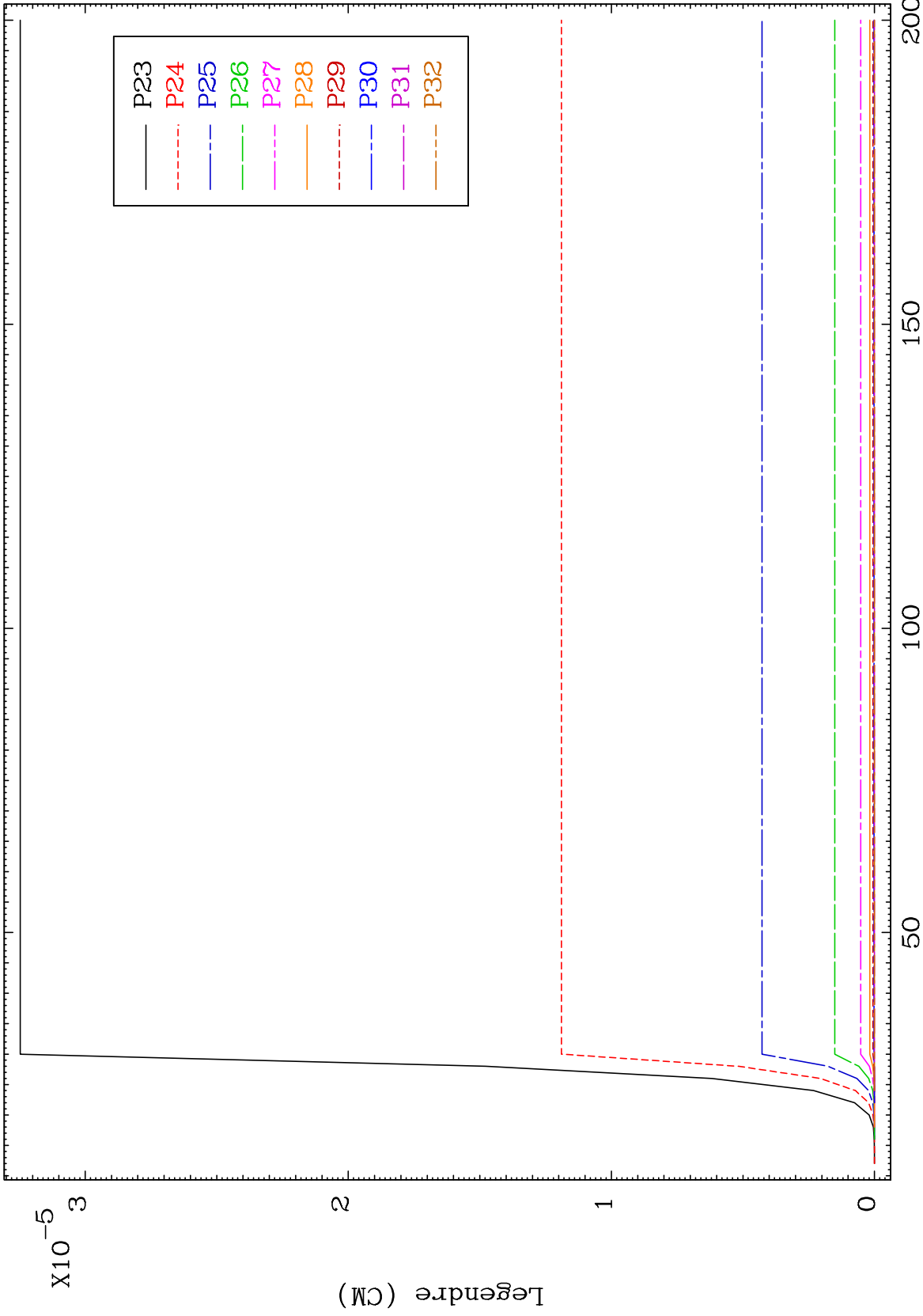


64 34-Se-76

MAT 3431

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

34-Se-76



65

Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76

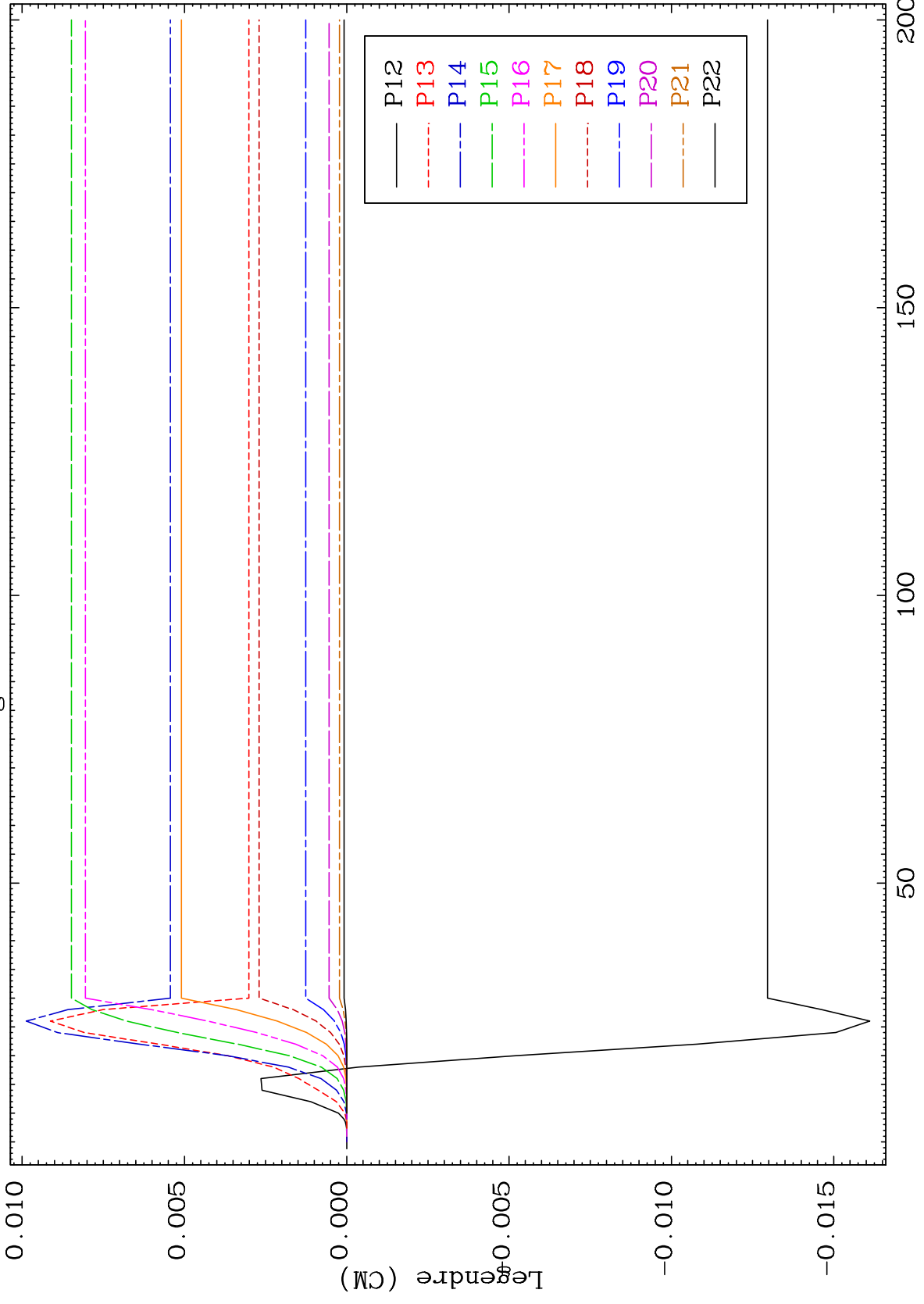


66

Incident Energy (MeV)

34-Se-76

MAT 3431 MT= 64 (n,n') Level Legendre Coefficients 34-Se-76

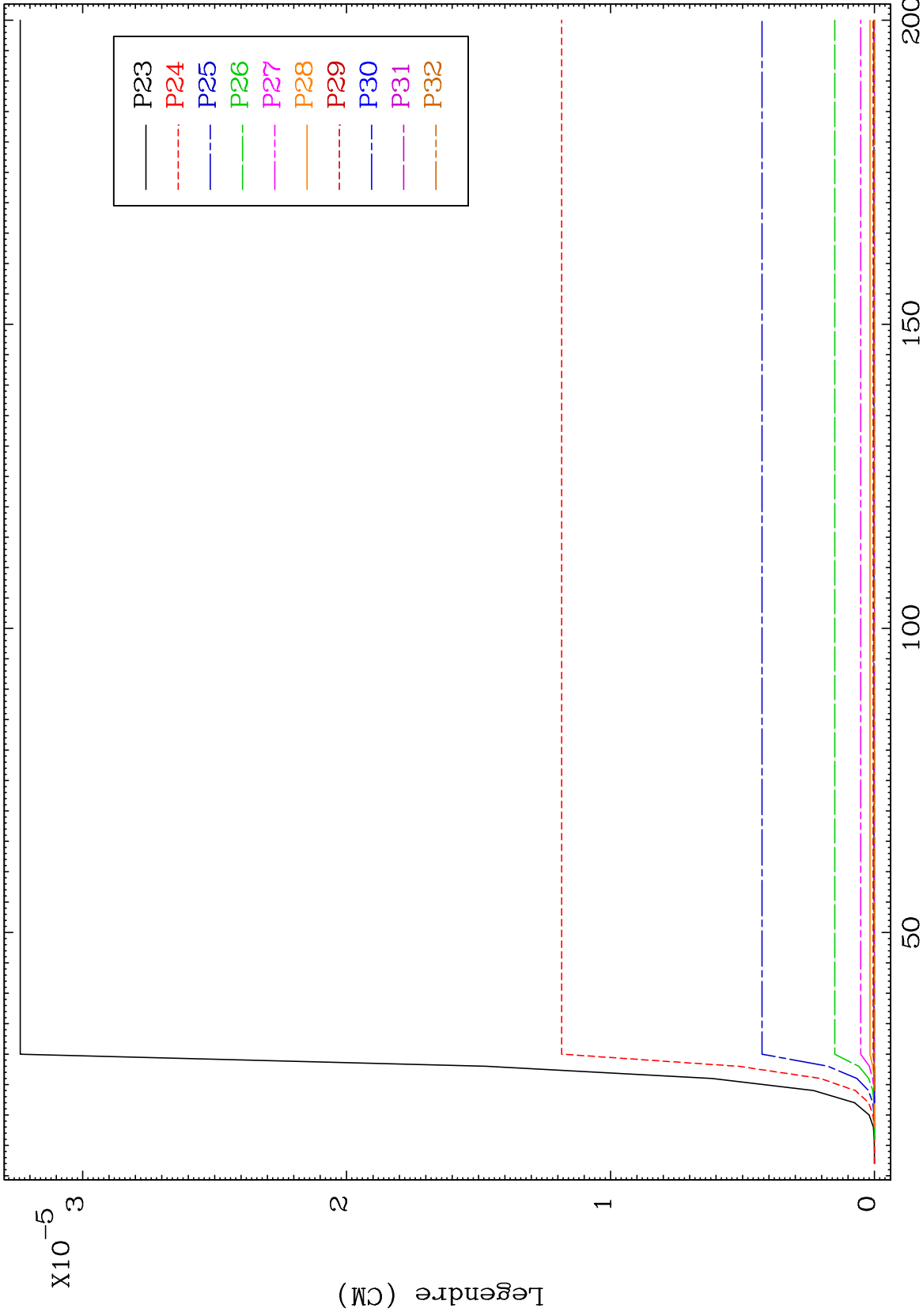


67 34-Se-76

MAT 3431

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

34-Se-76



68

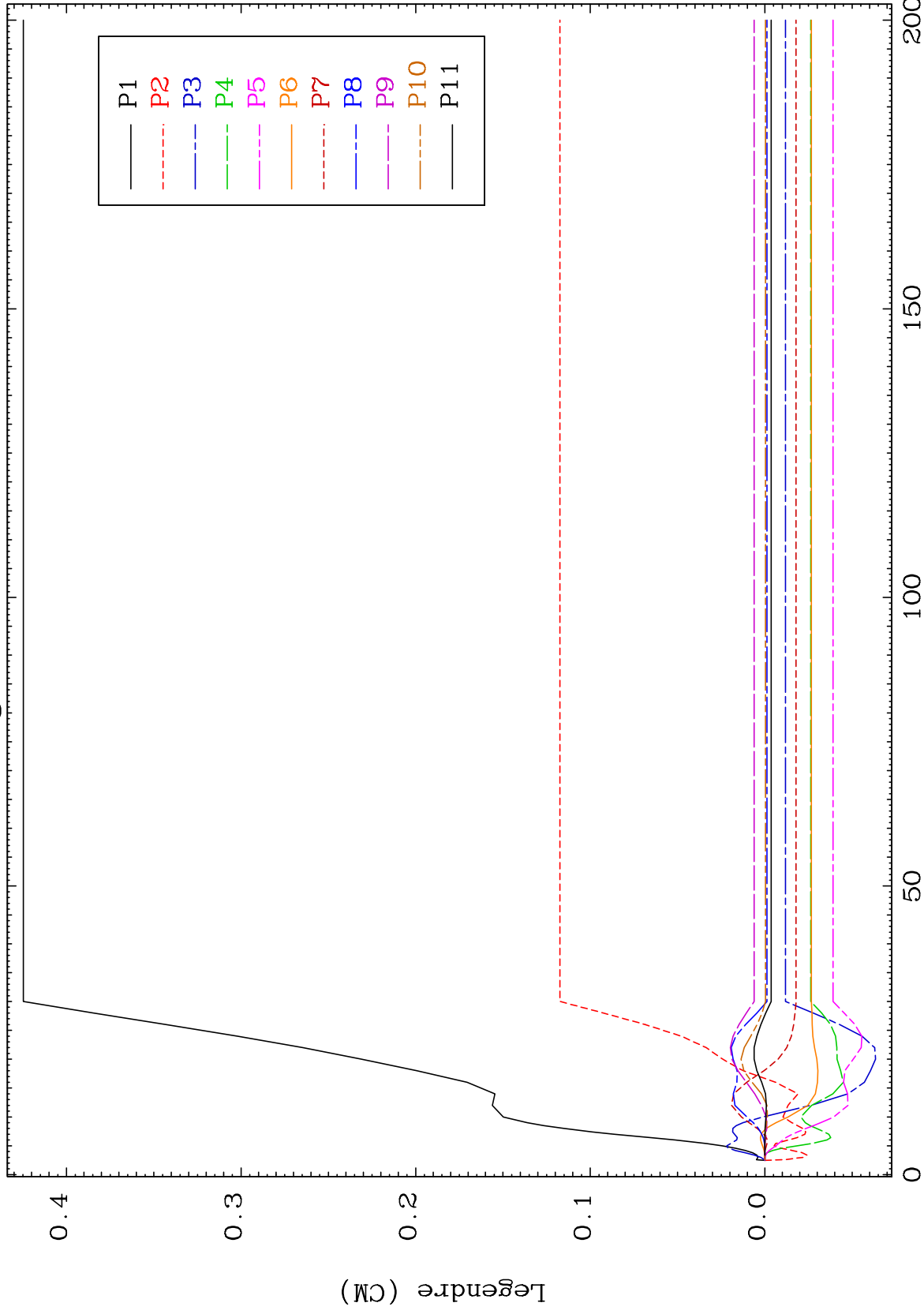
Incident Energy (MeV)

34-Se-76

MAT 3431

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

³⁴Se-76



69

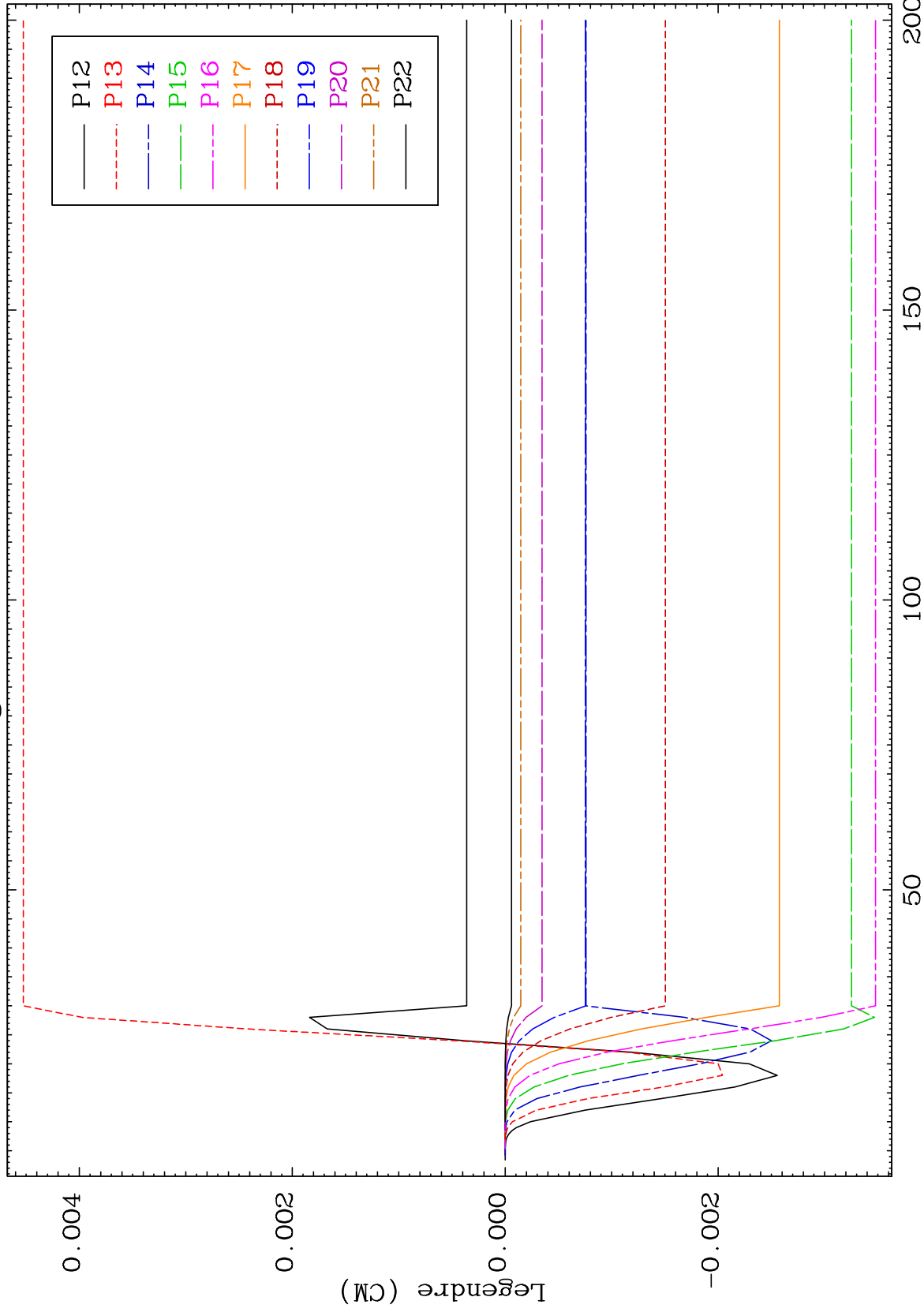
Incident Energy (MeV)

³⁴Se-76

MAT 3431

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

34-Se-76



70

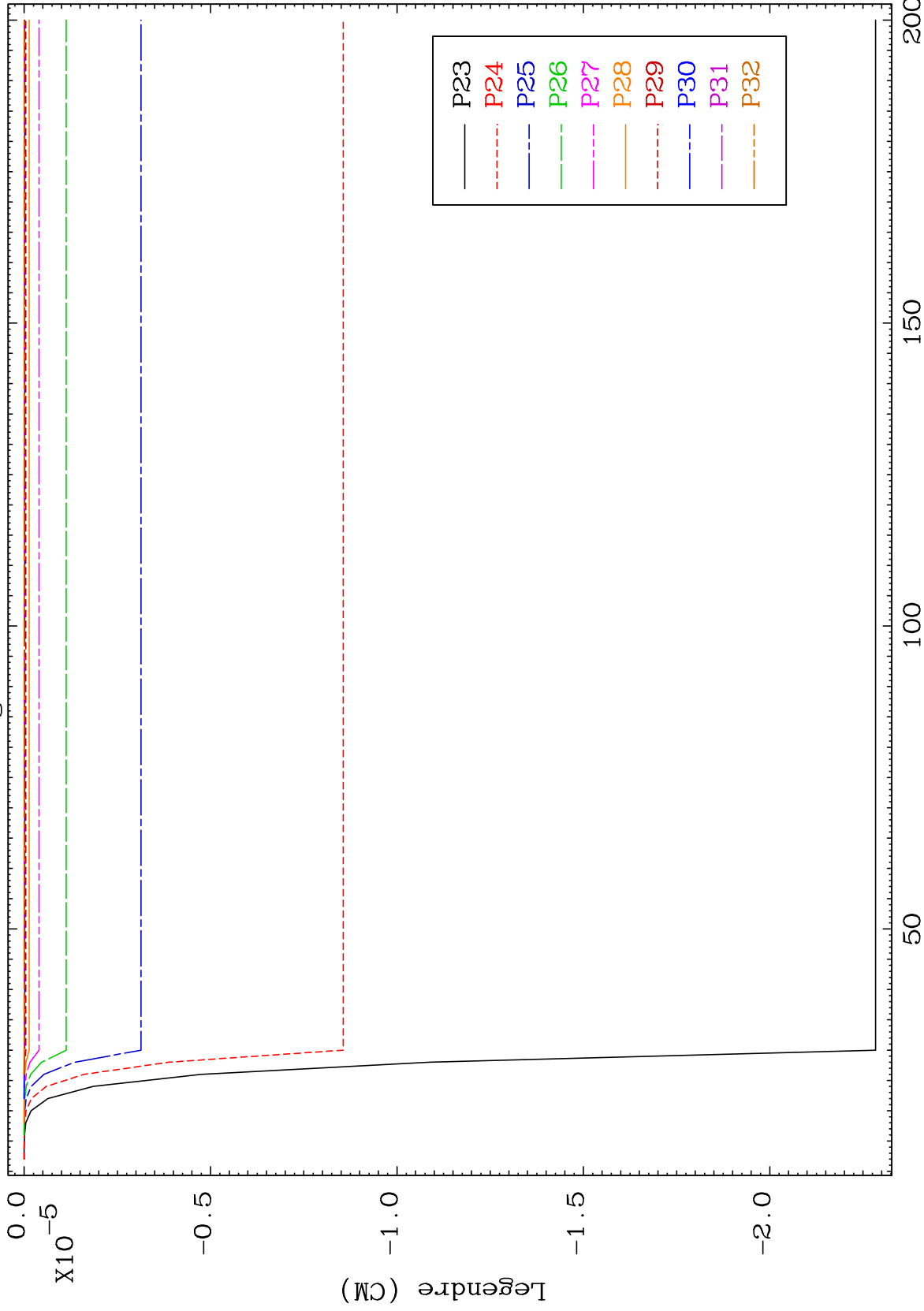
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



34-Se-76

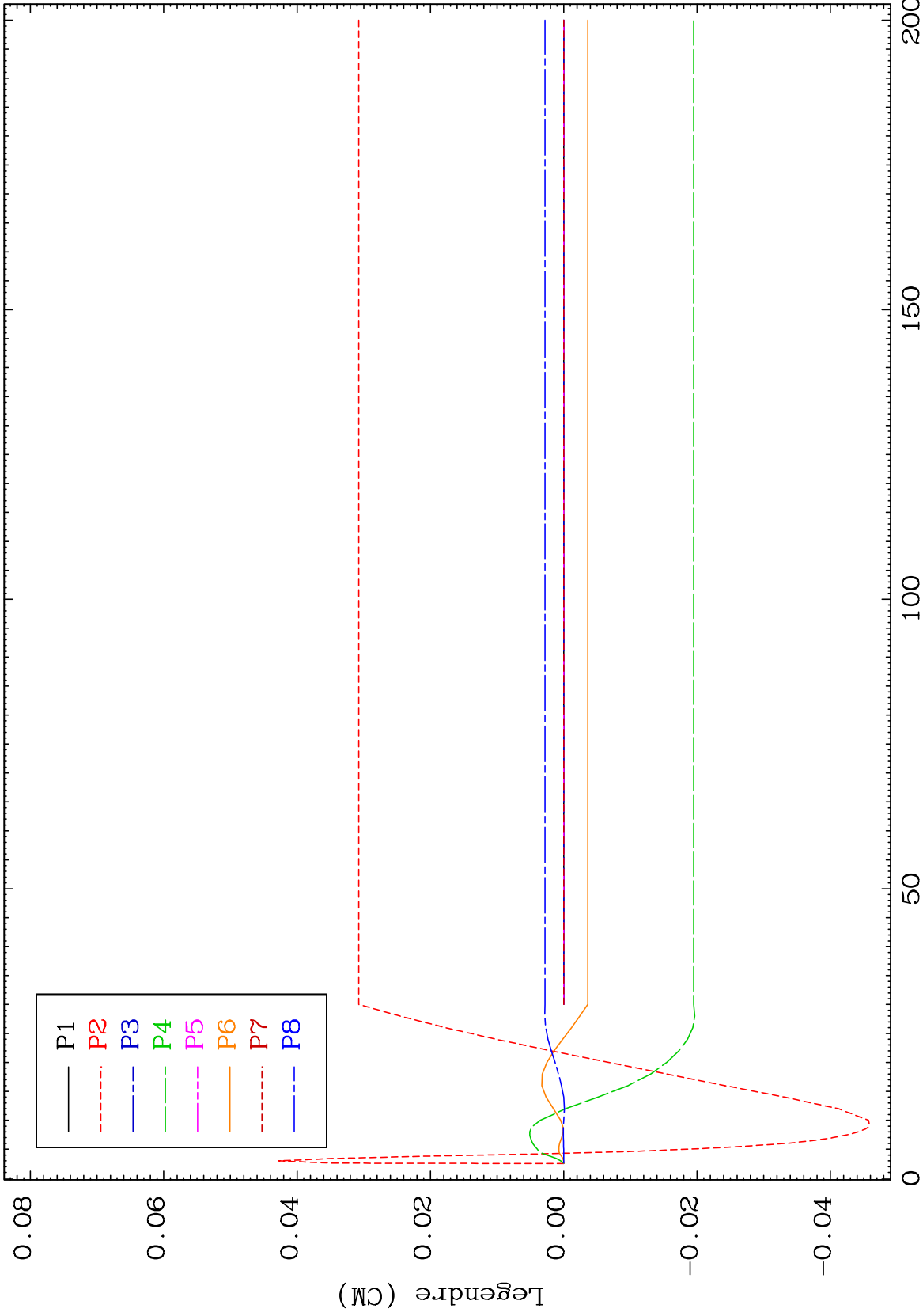
Incident Energy (MeV)

71

MAT 3431

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

34-Se-76



72

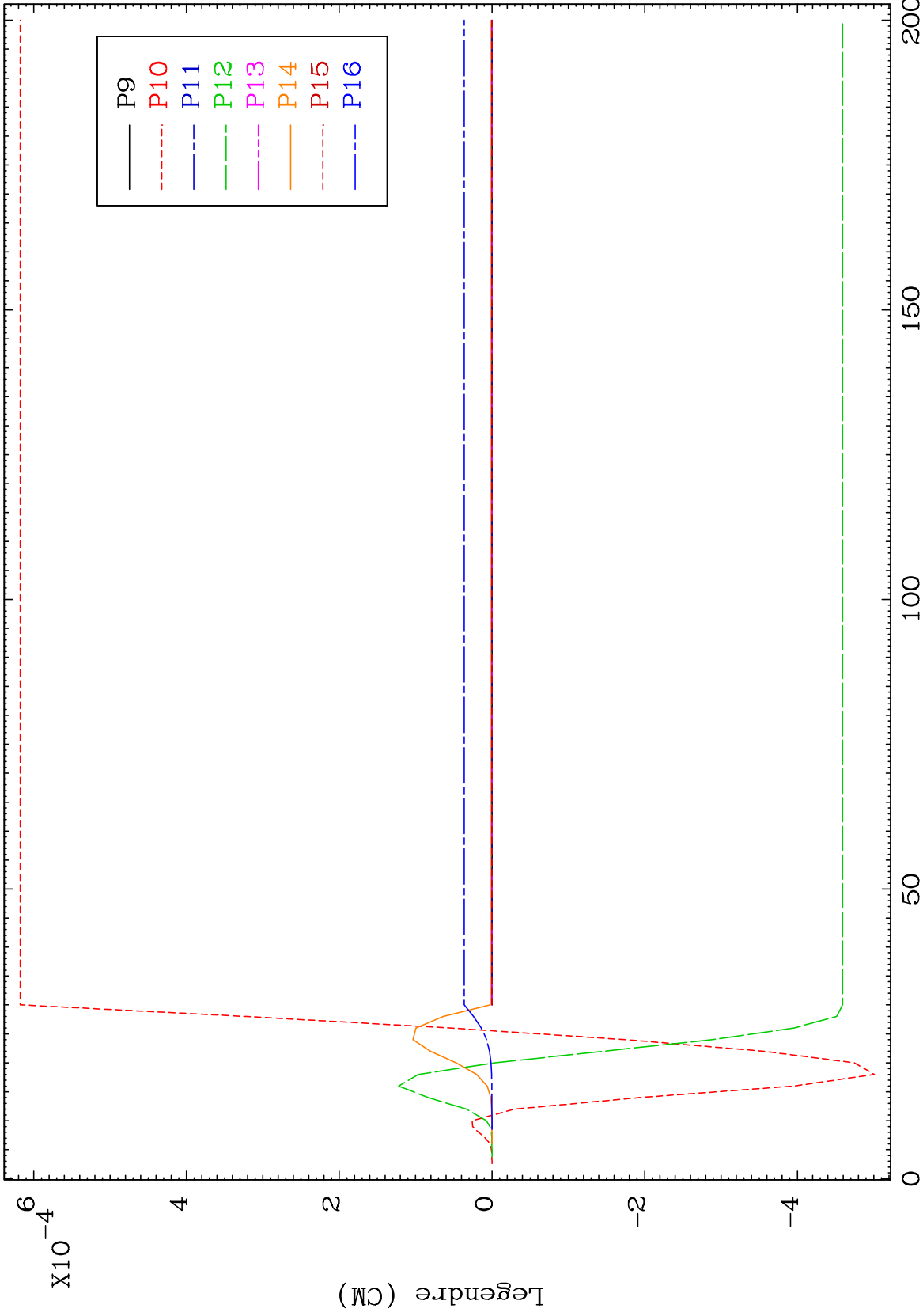
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



73

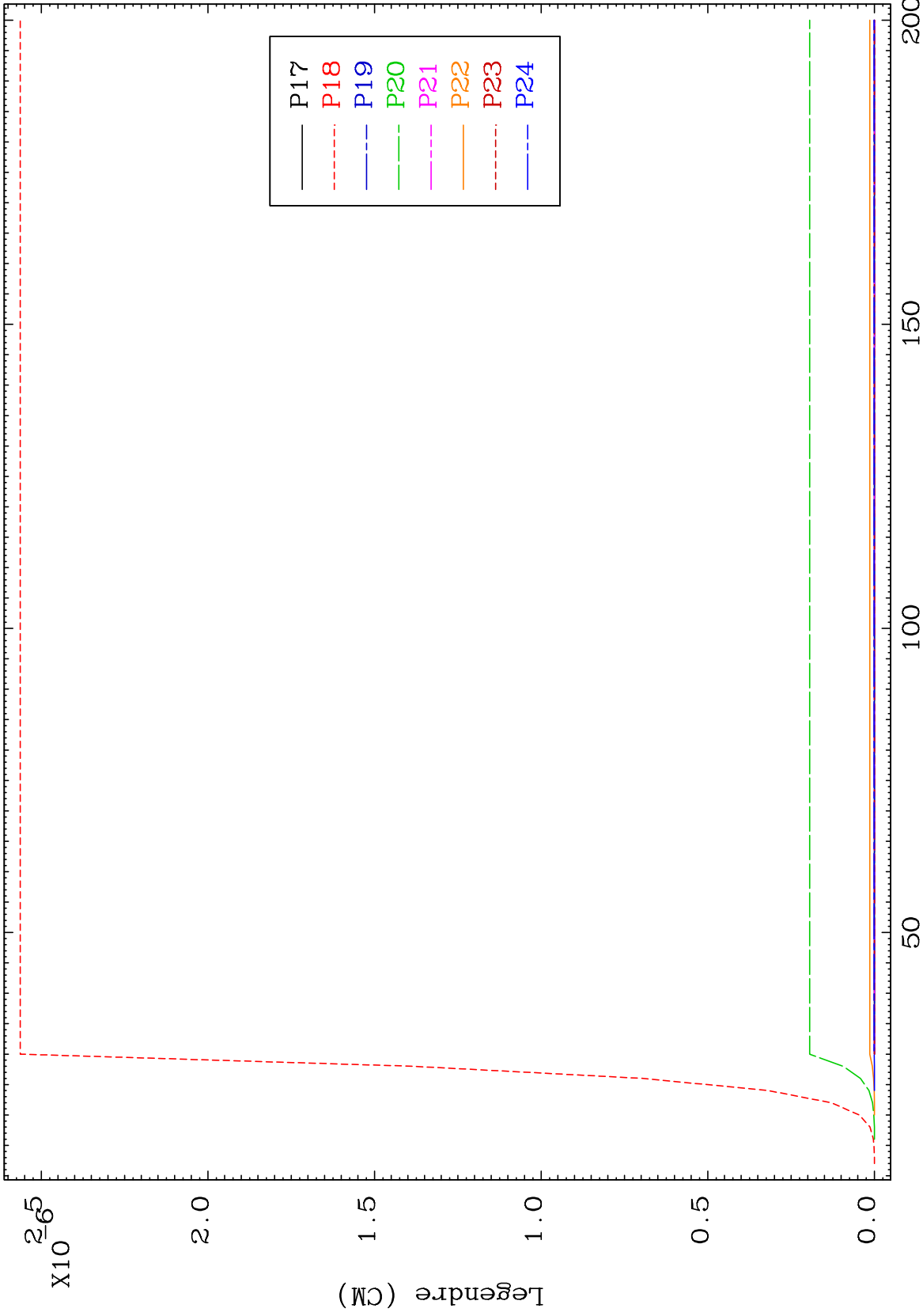
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



74

Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76

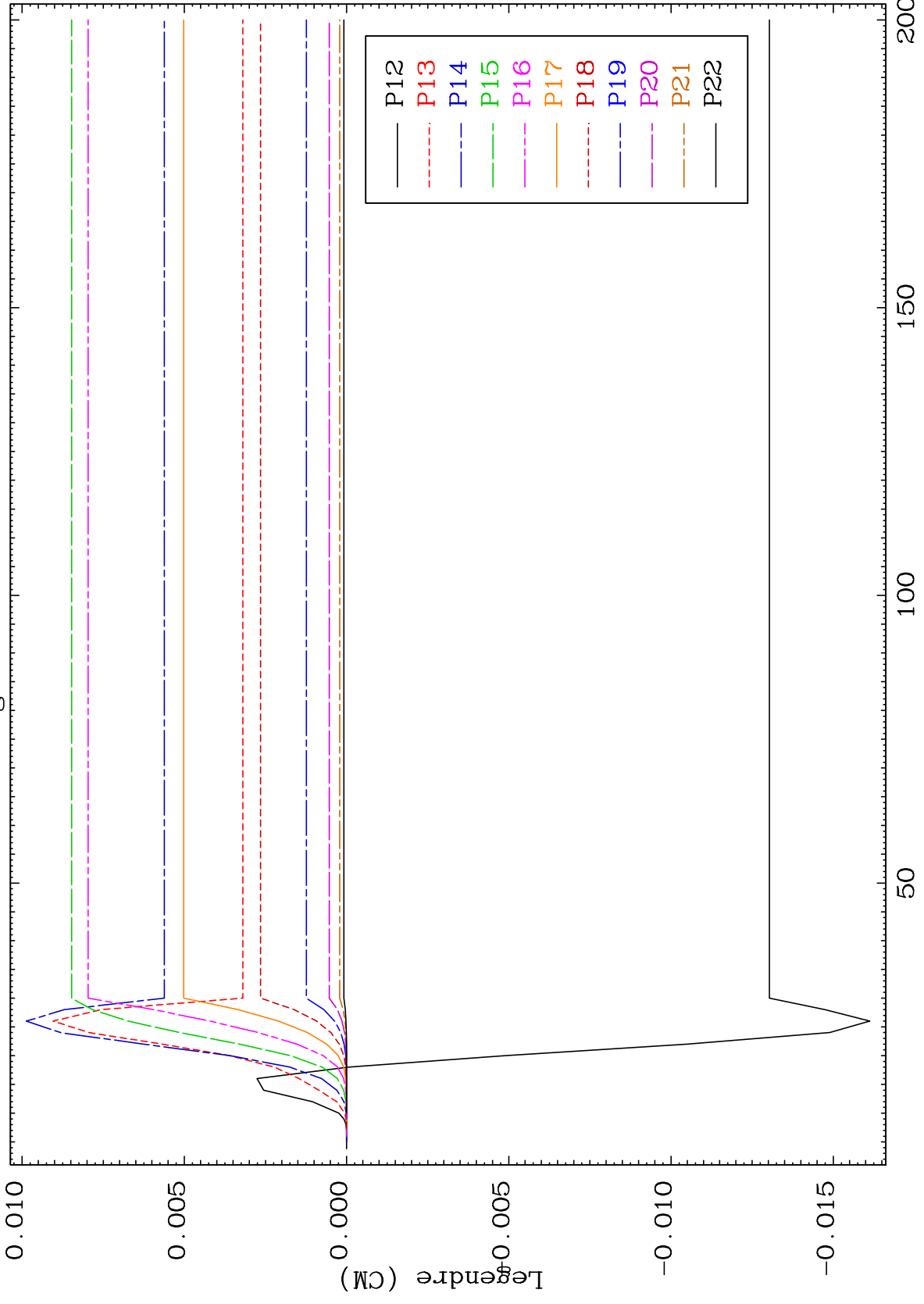


75

Incident Energy (MeV)

34-Se-76

MAT 3431 MT= 67 (n,n') Level Legendre Coefficients 34-Se-76

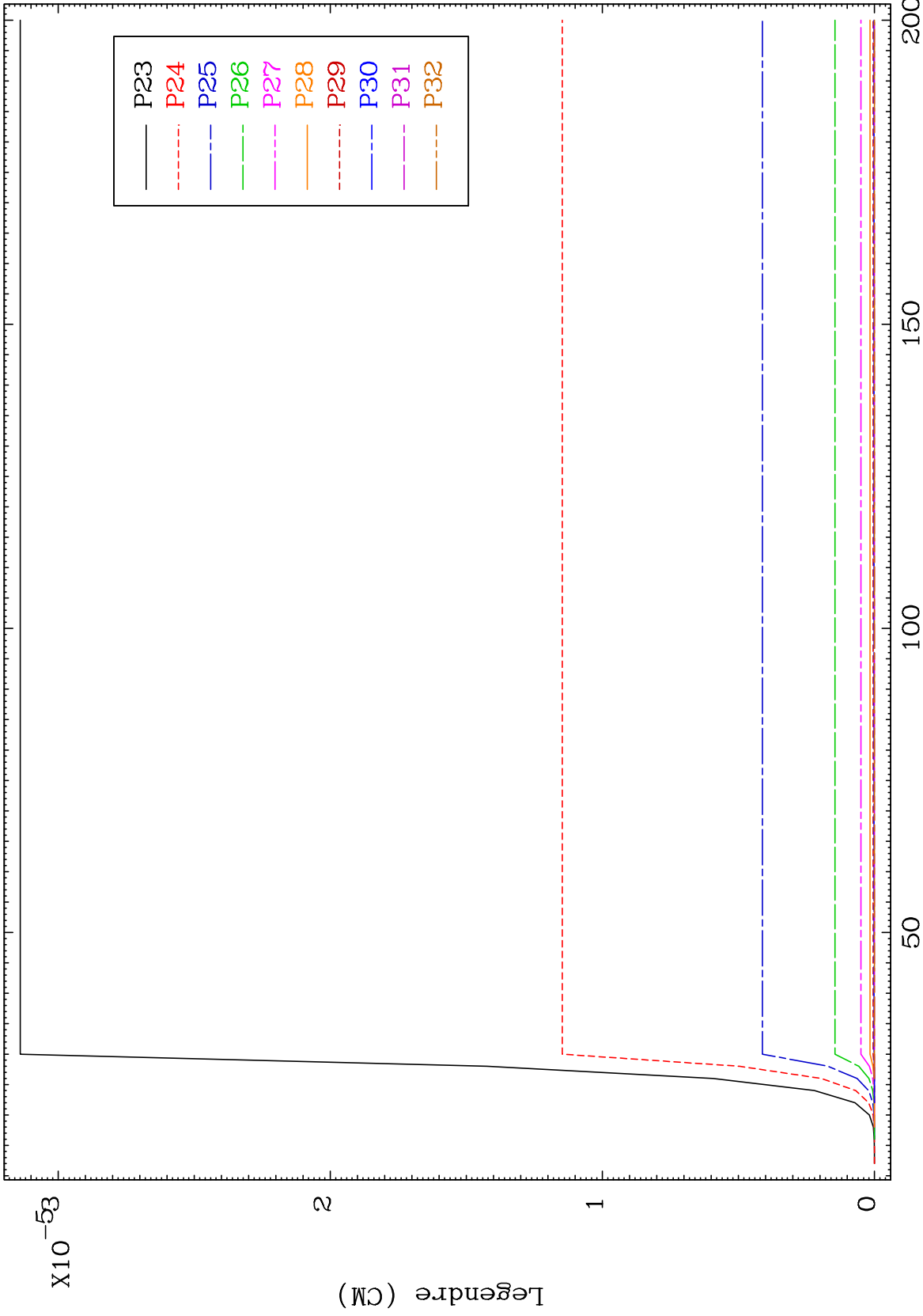


76 34-Se-76

MAT 3431

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

34-Se-76



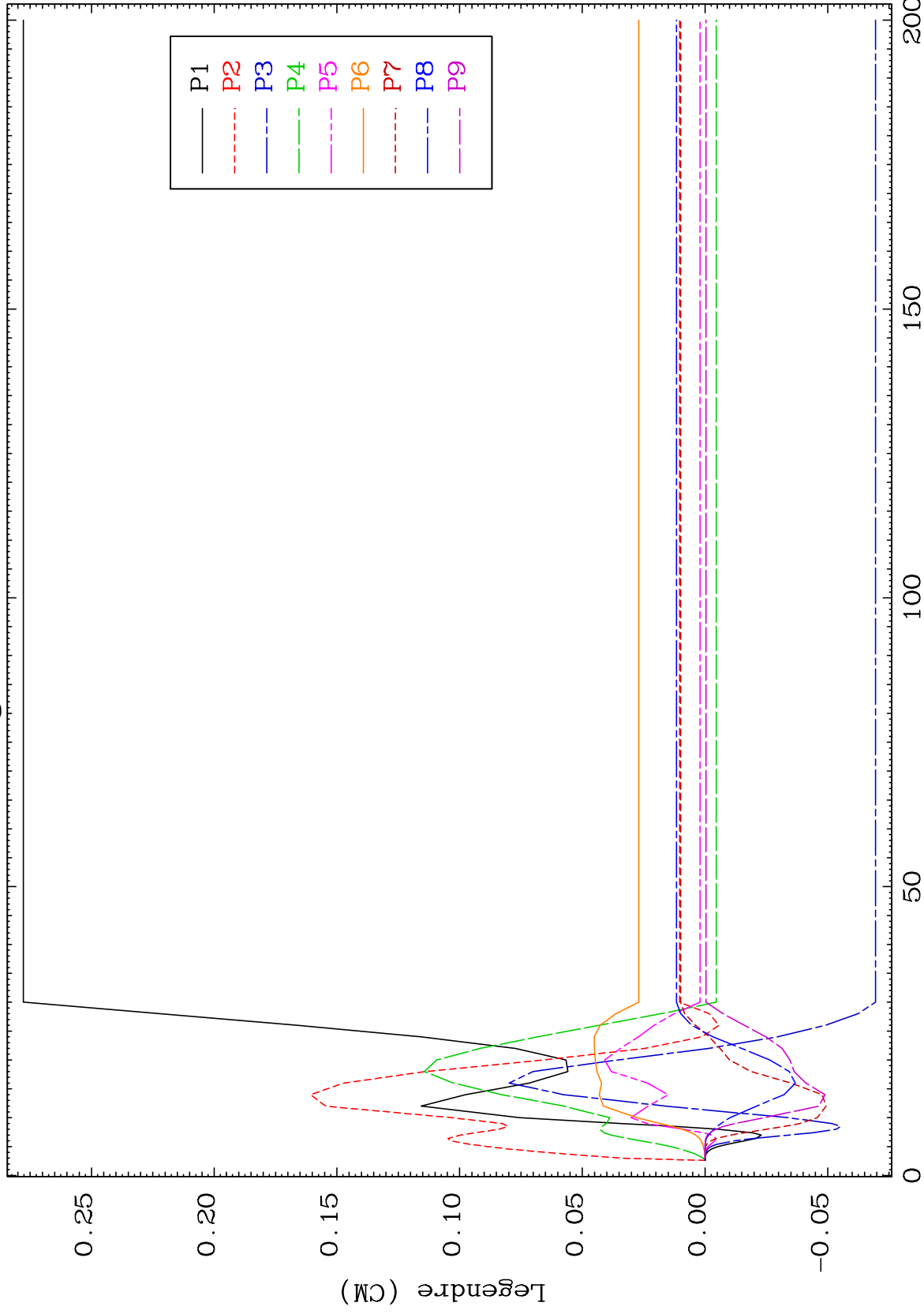
77

34-Se-76

MAT 3431

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

34-Se-76



78

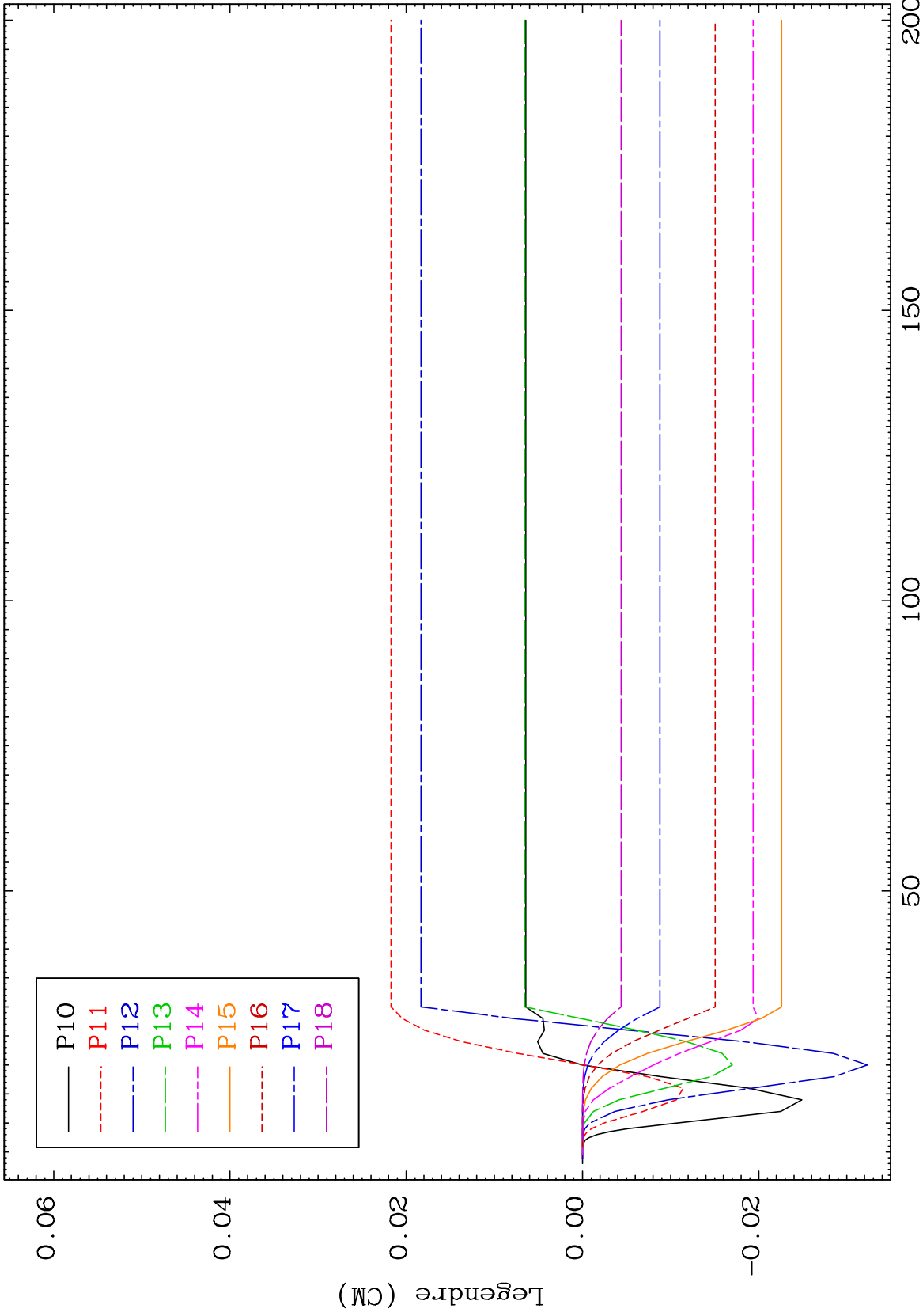
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



79

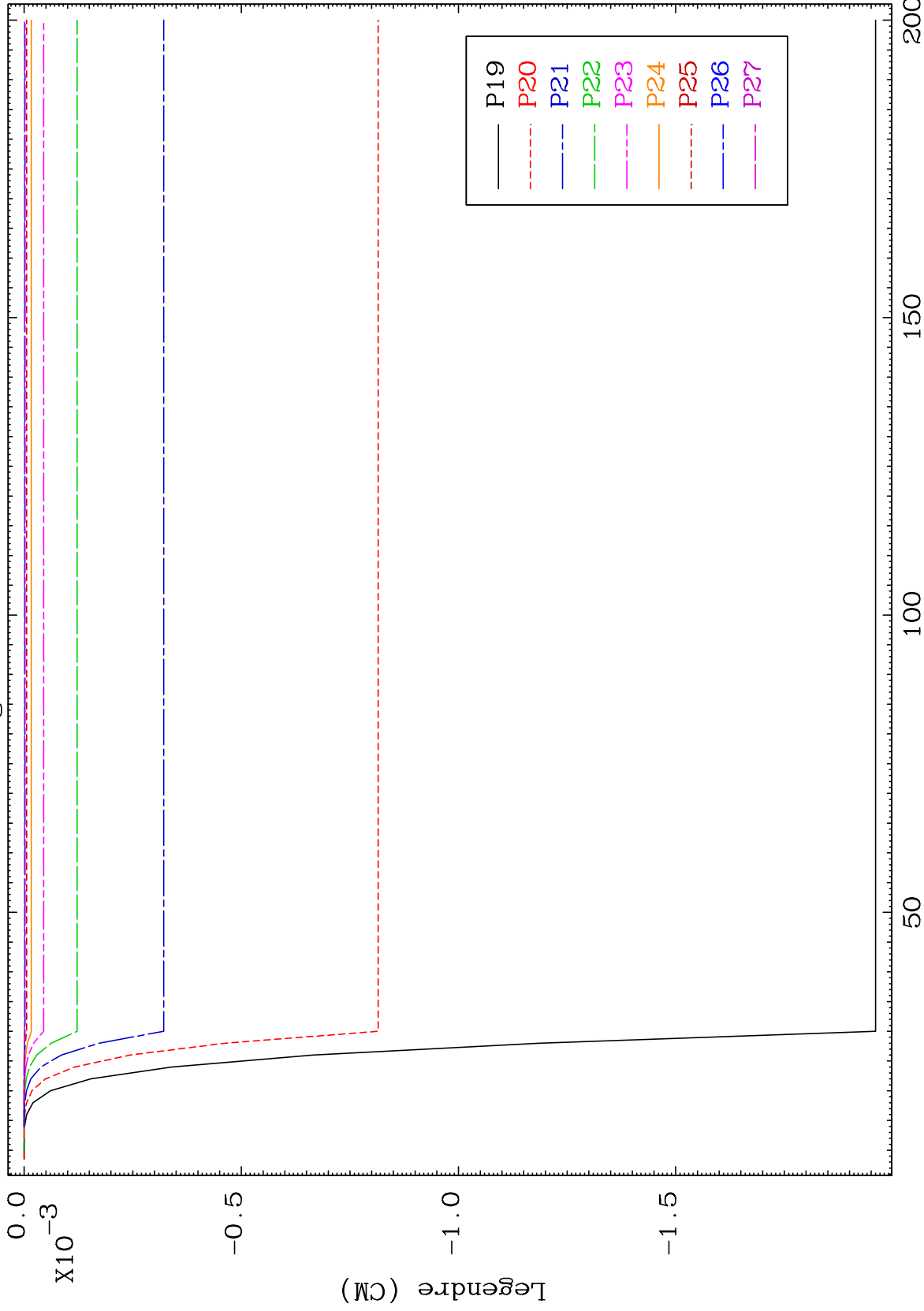
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



80

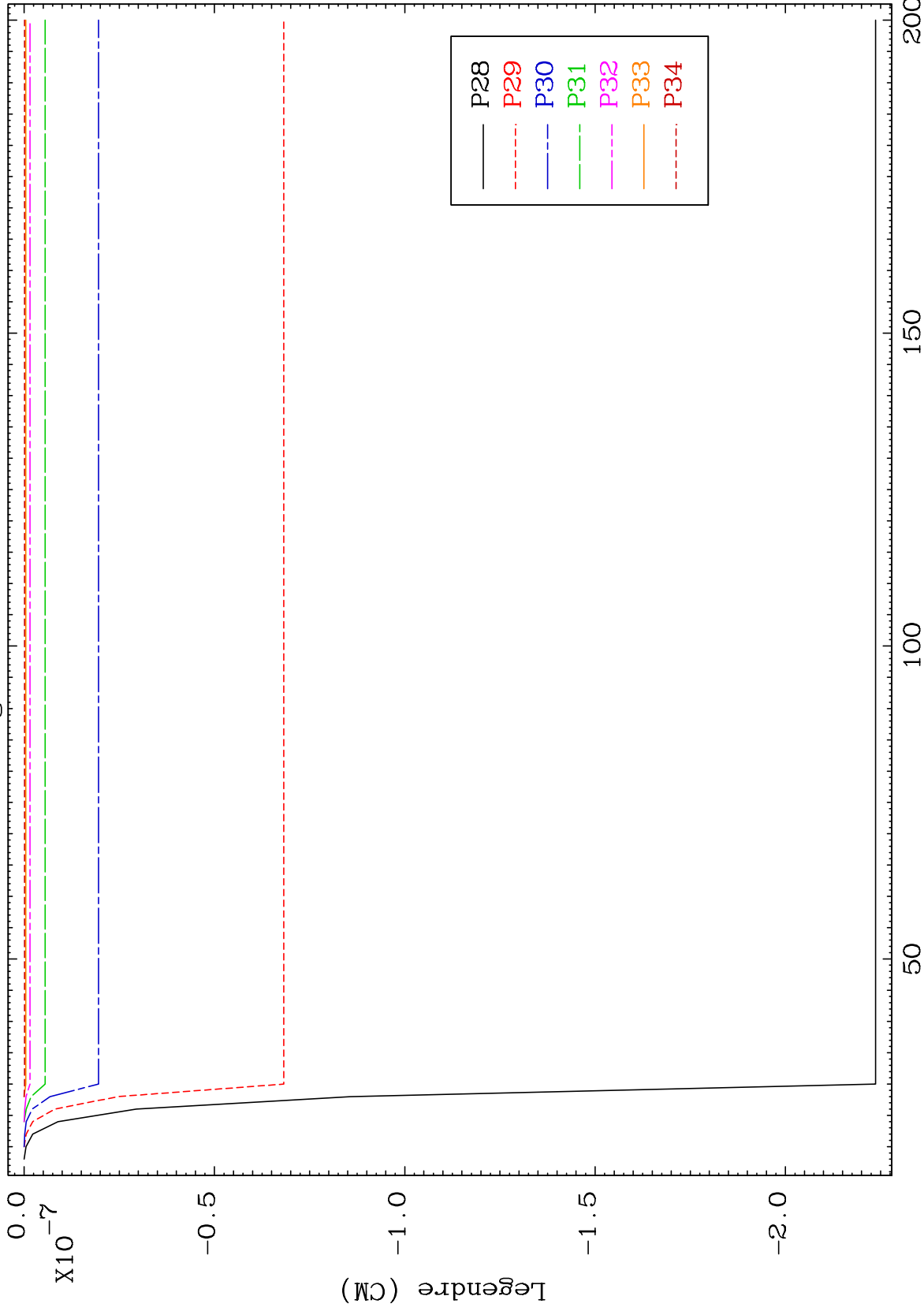
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



34-Se-76

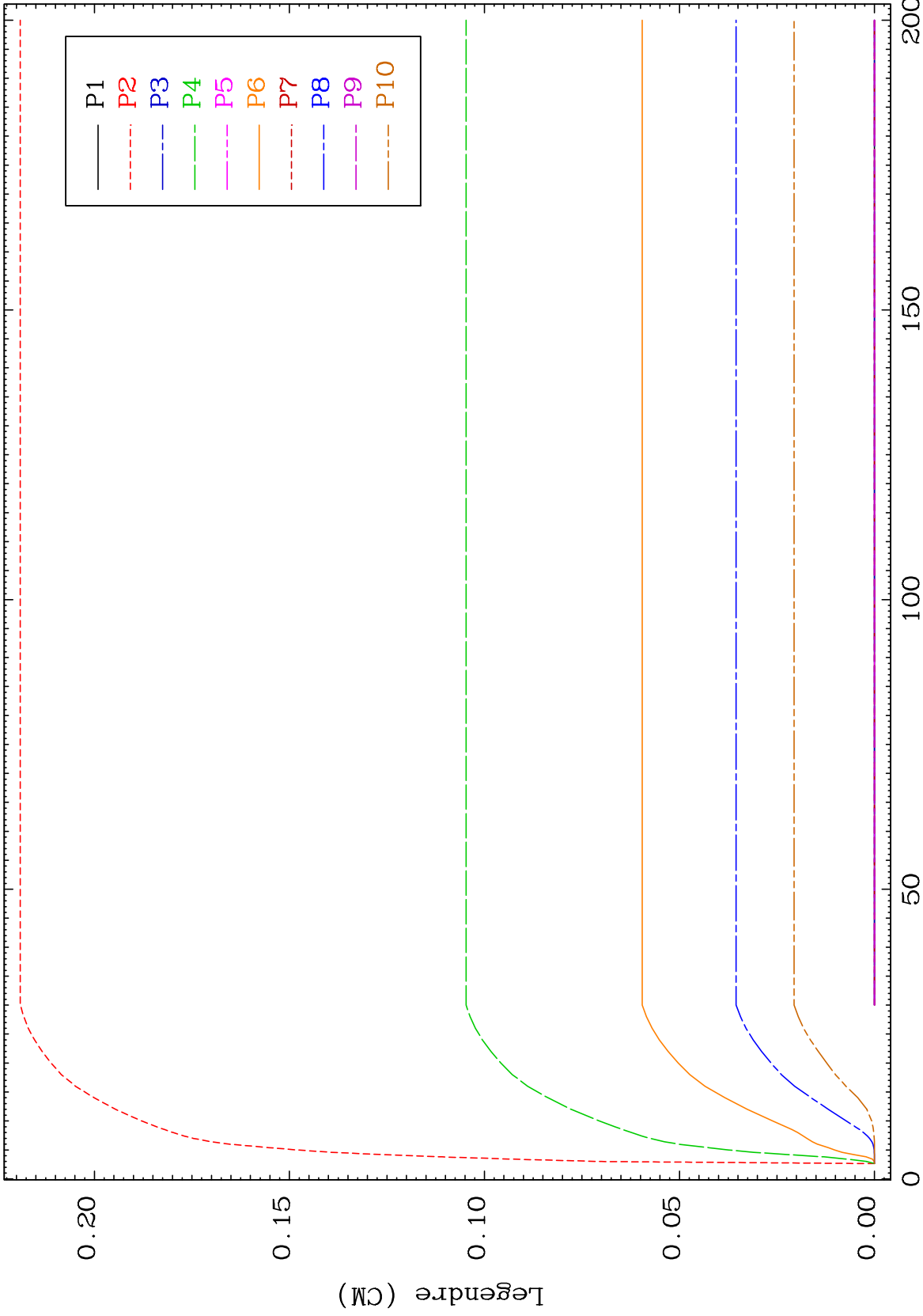
Incident Energy (MeV)

81

MAT 3431

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

34-Se-76



82

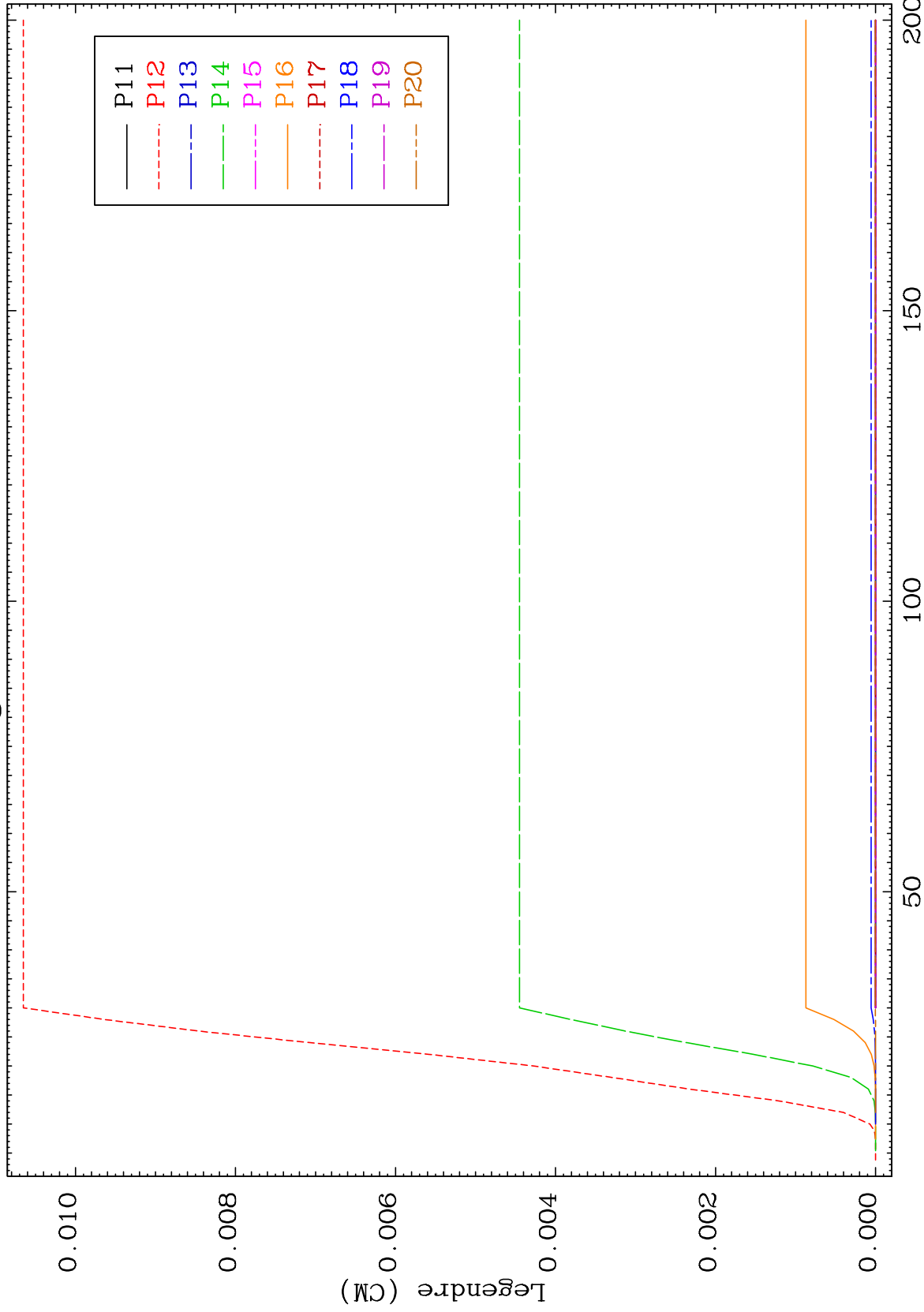
Incident Energy (MeV)

34-Se-76

MAT 3431

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

³⁴Se-76



83

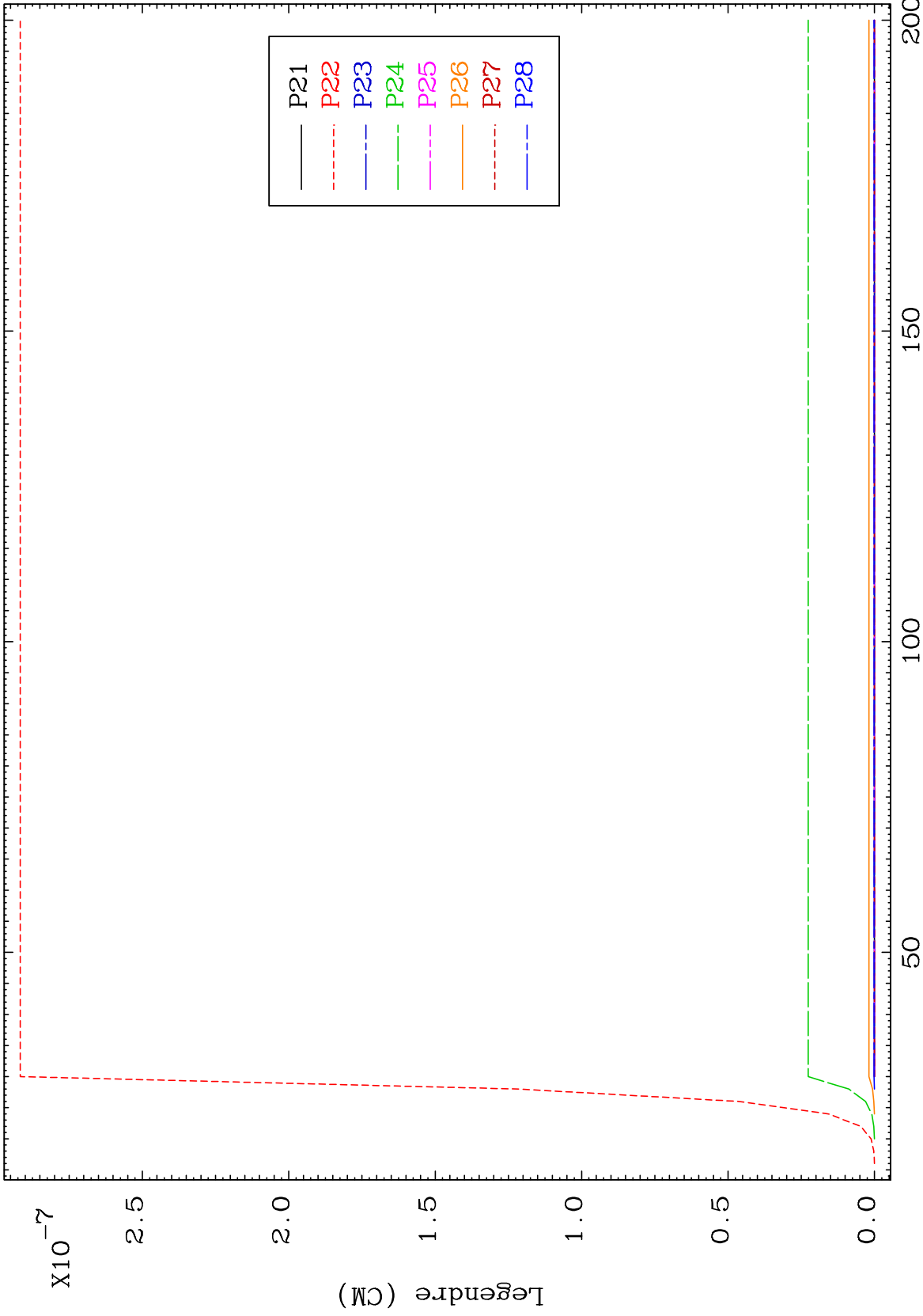
Incident Energy (MeV)

³⁴Se-76

MAT 3431

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

34-Se-76



84

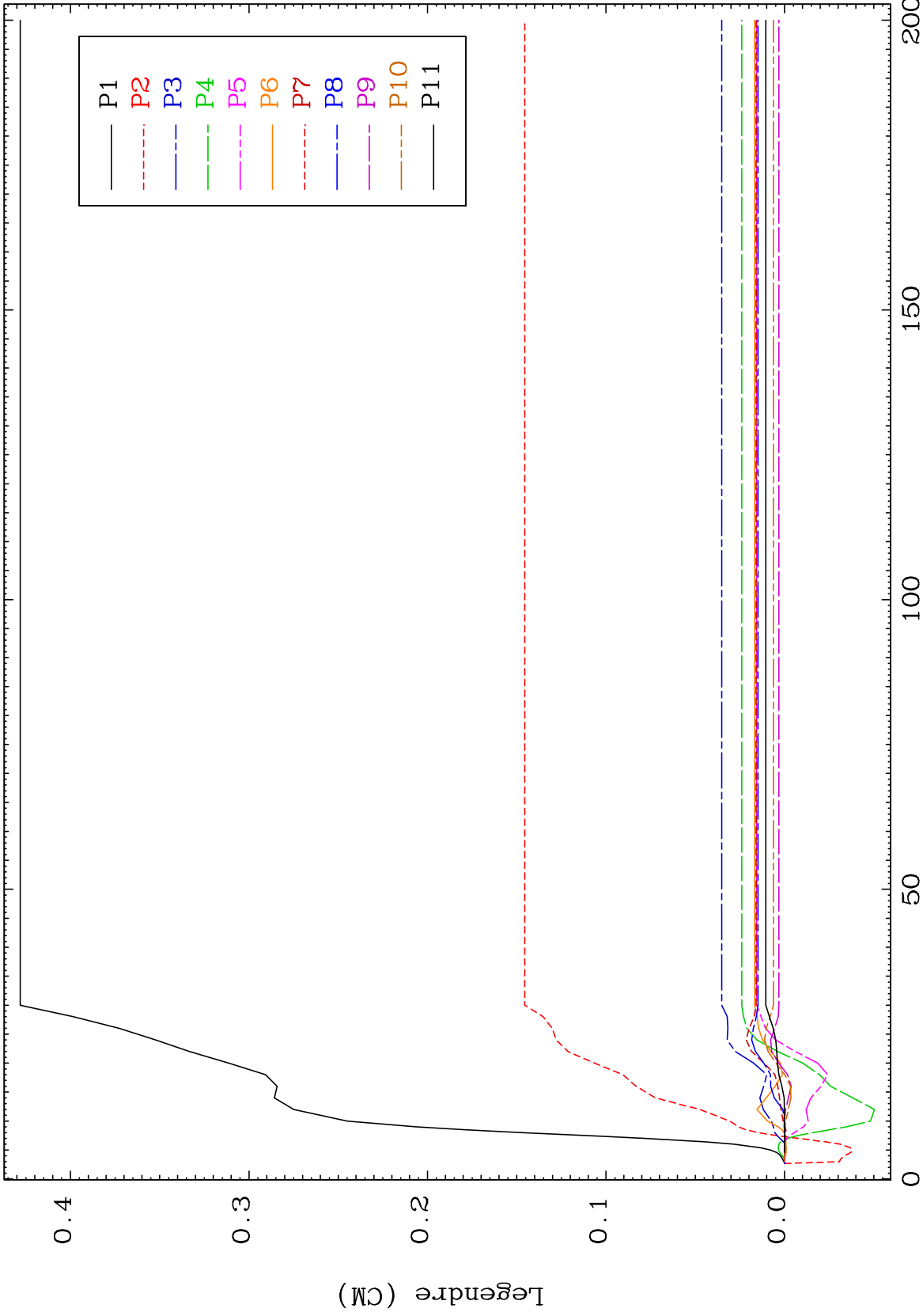
Incident Energy (MeV)

34-Se-76

MAT 3431

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

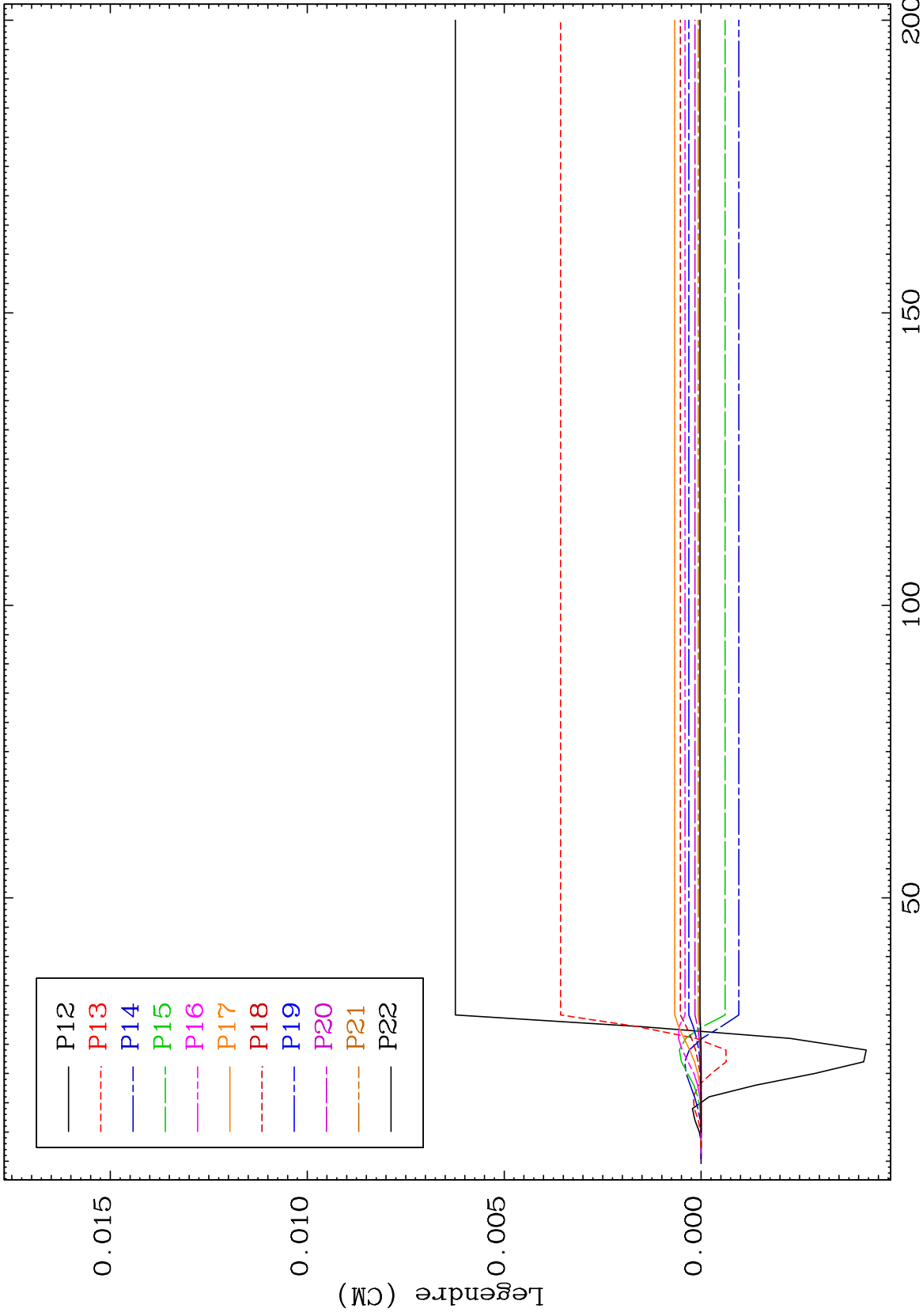
34-Se-76



85

Incident Energy (MeV)

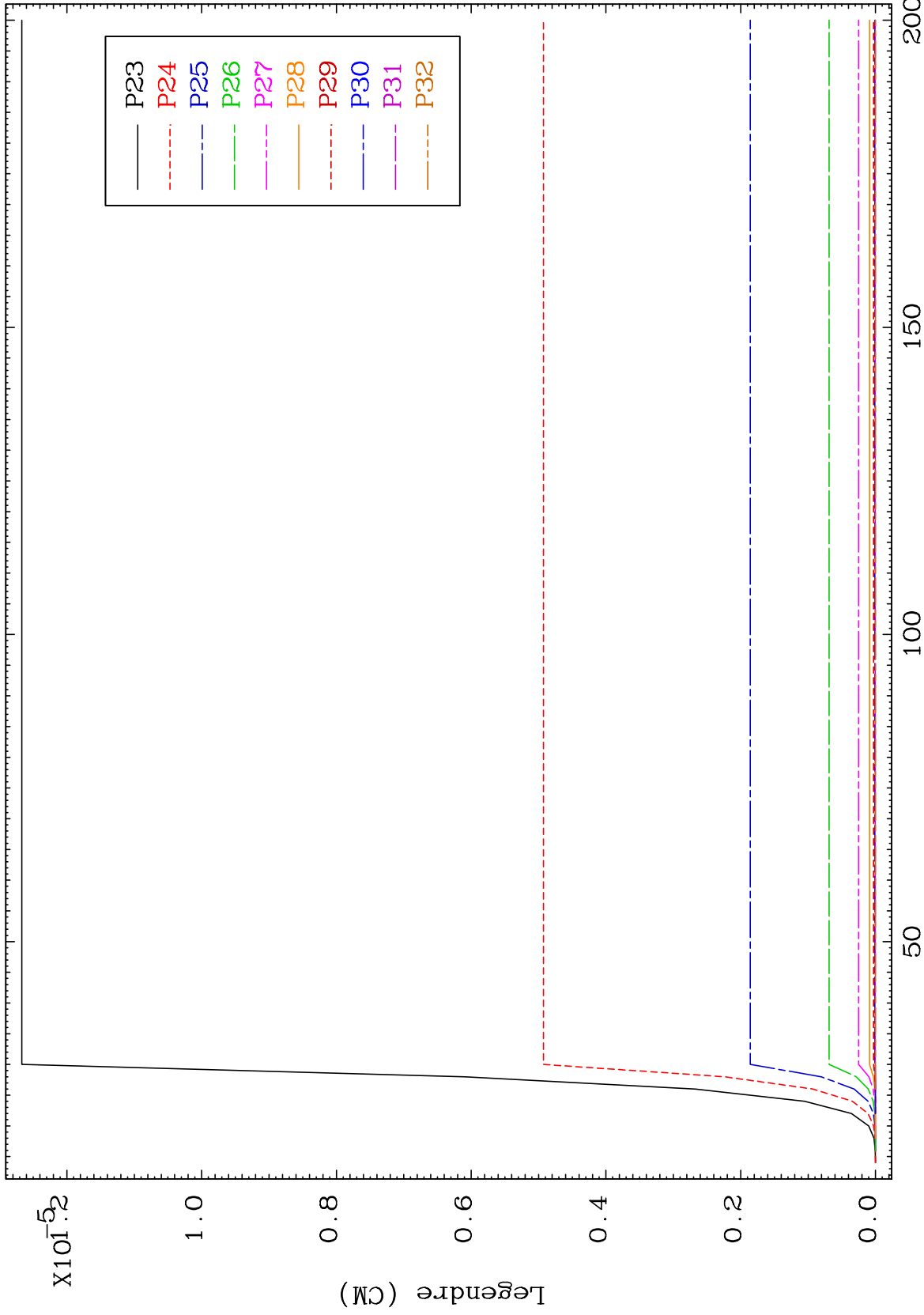
34-Se-76



MAT 3431

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

34-Se-76

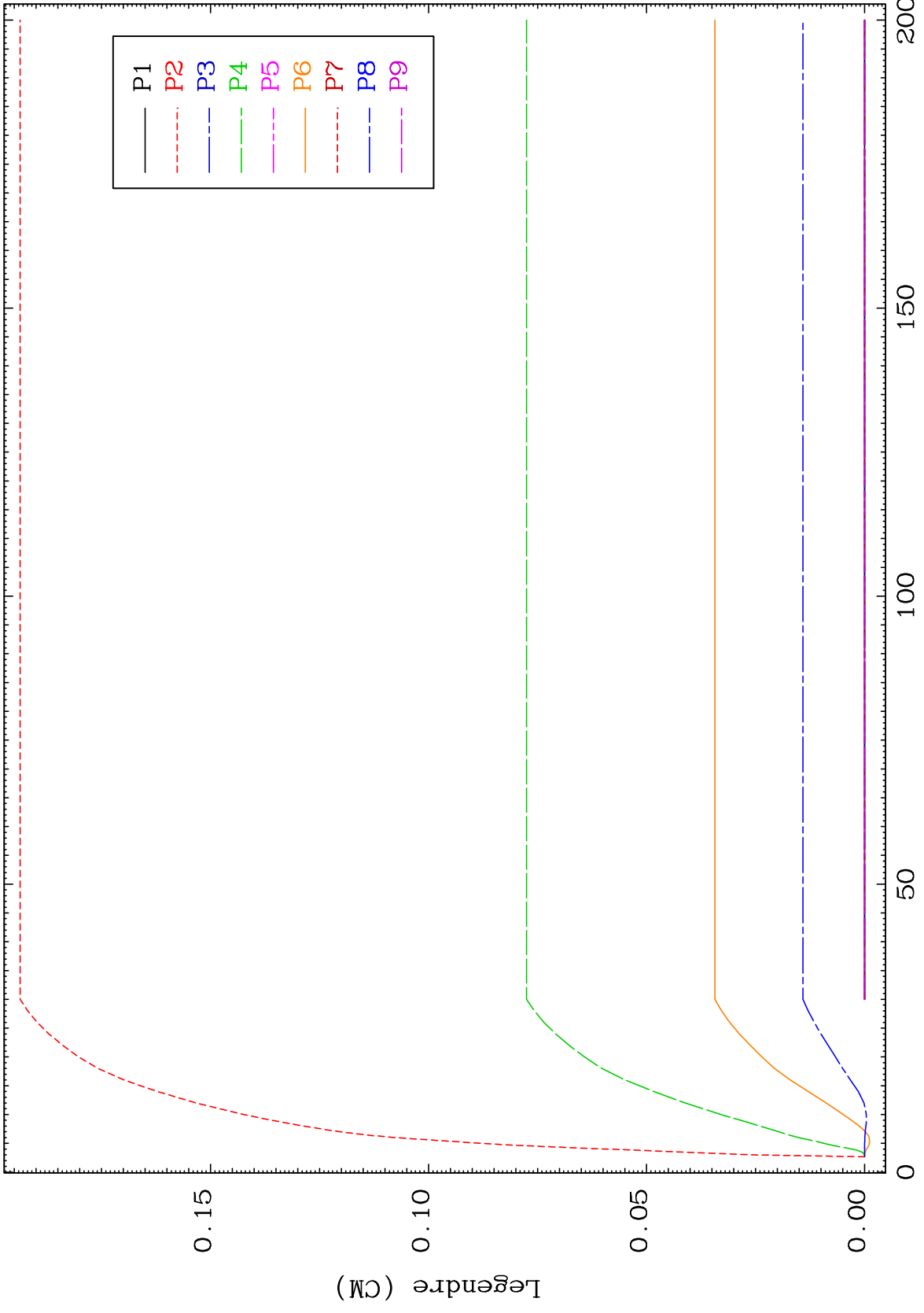


87

Incident Energy (MeV)

34-Se-76

MAT 3431 MT= 71 (n,n') Level Legendre Coefficients 34-Se-76

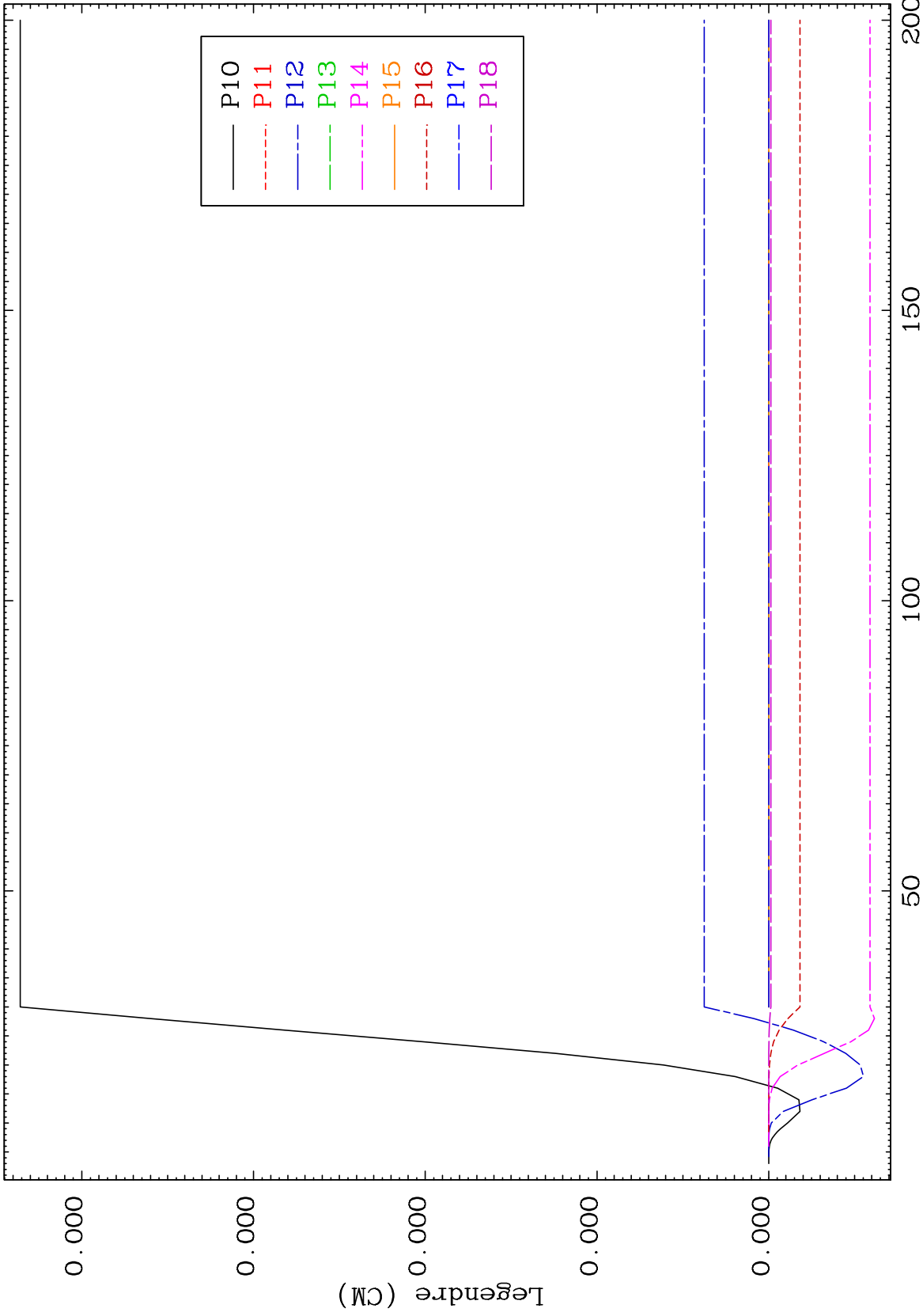


88 Incident Energy (MeV) 34-Se-76

MAT 3431

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

34-Se-76



89

34-Se-76

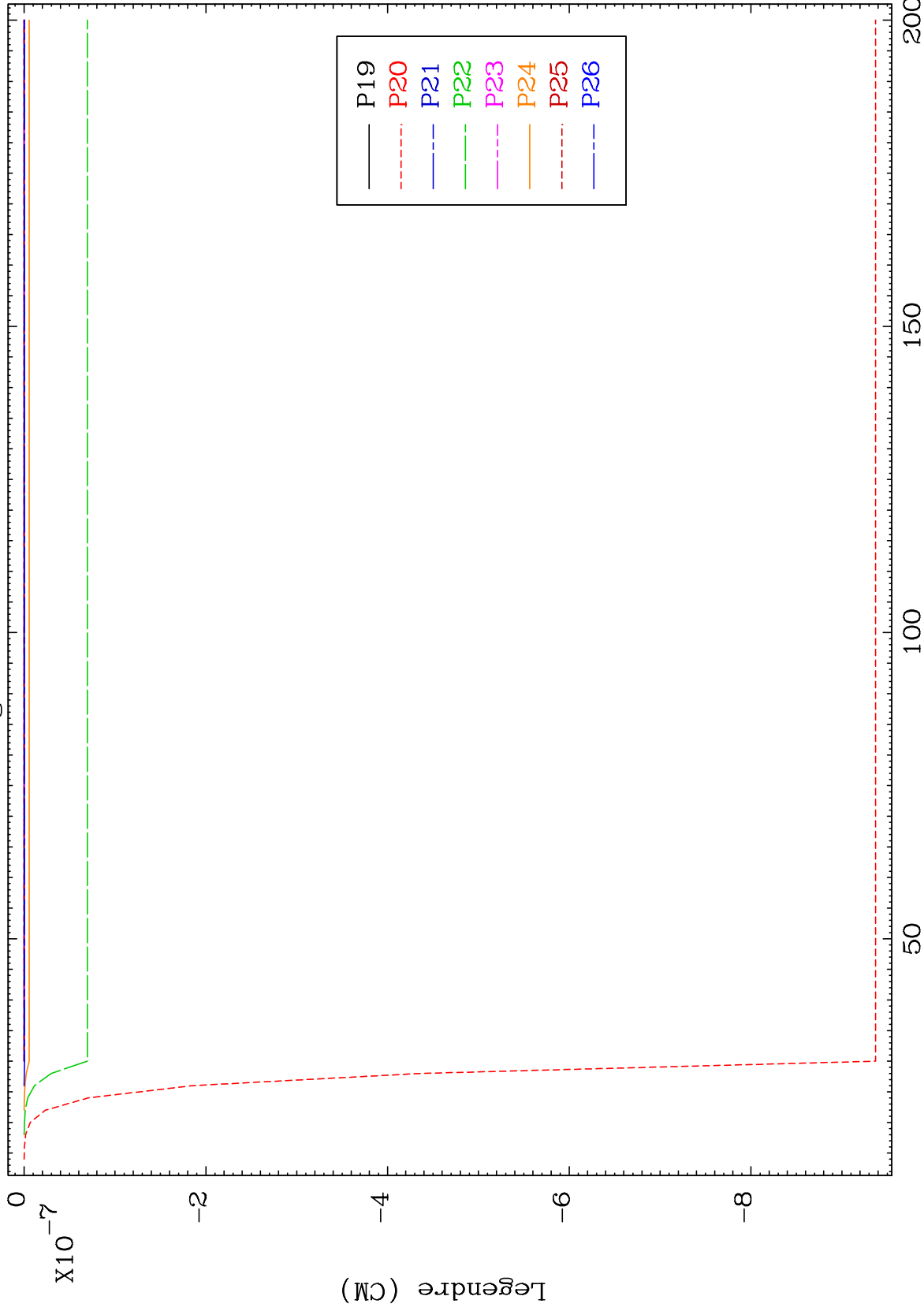
MAT 3431

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

34-Se-76

Incident Energy (MeV)

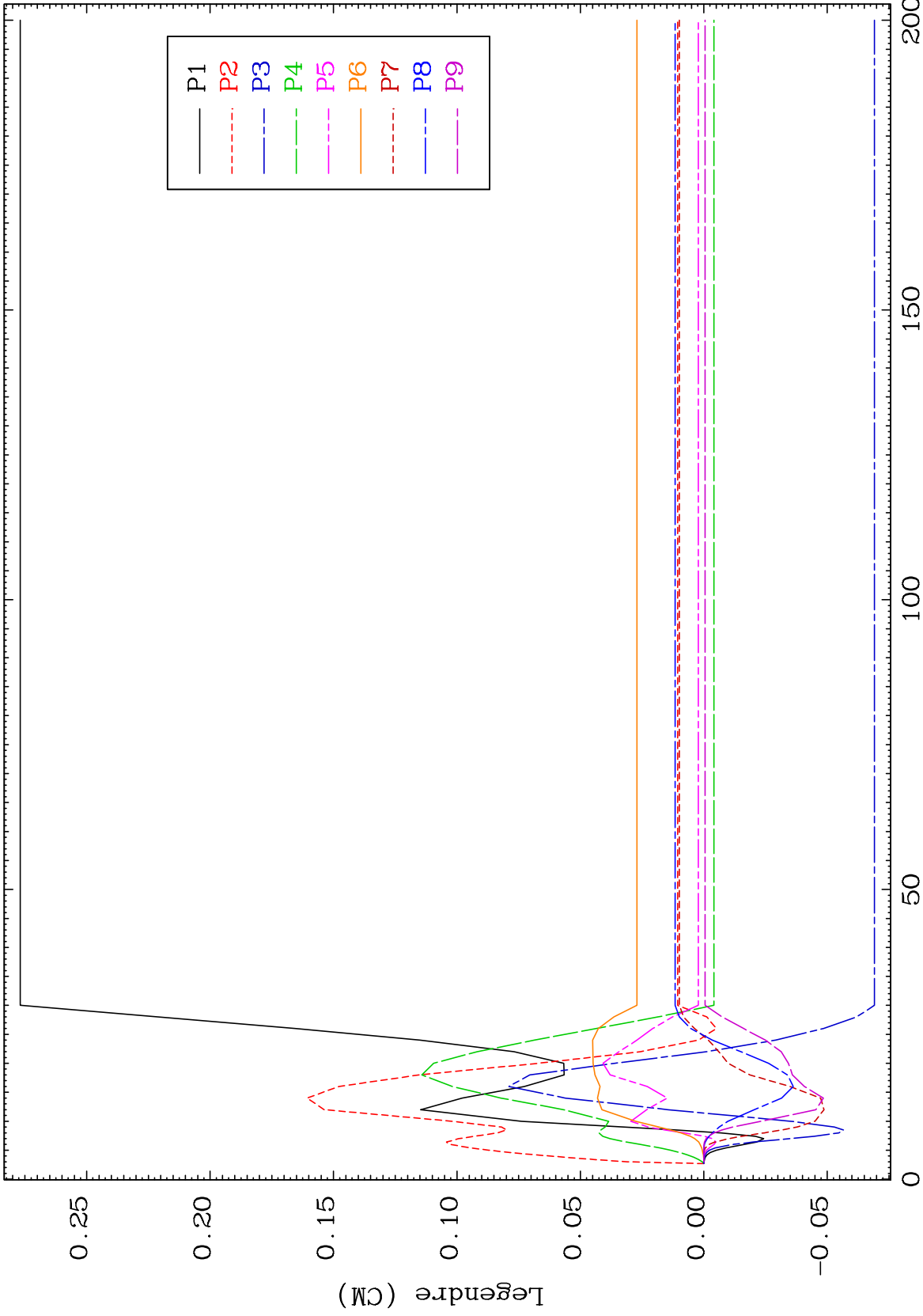
90



MAT 3431

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

34-Se-76



91

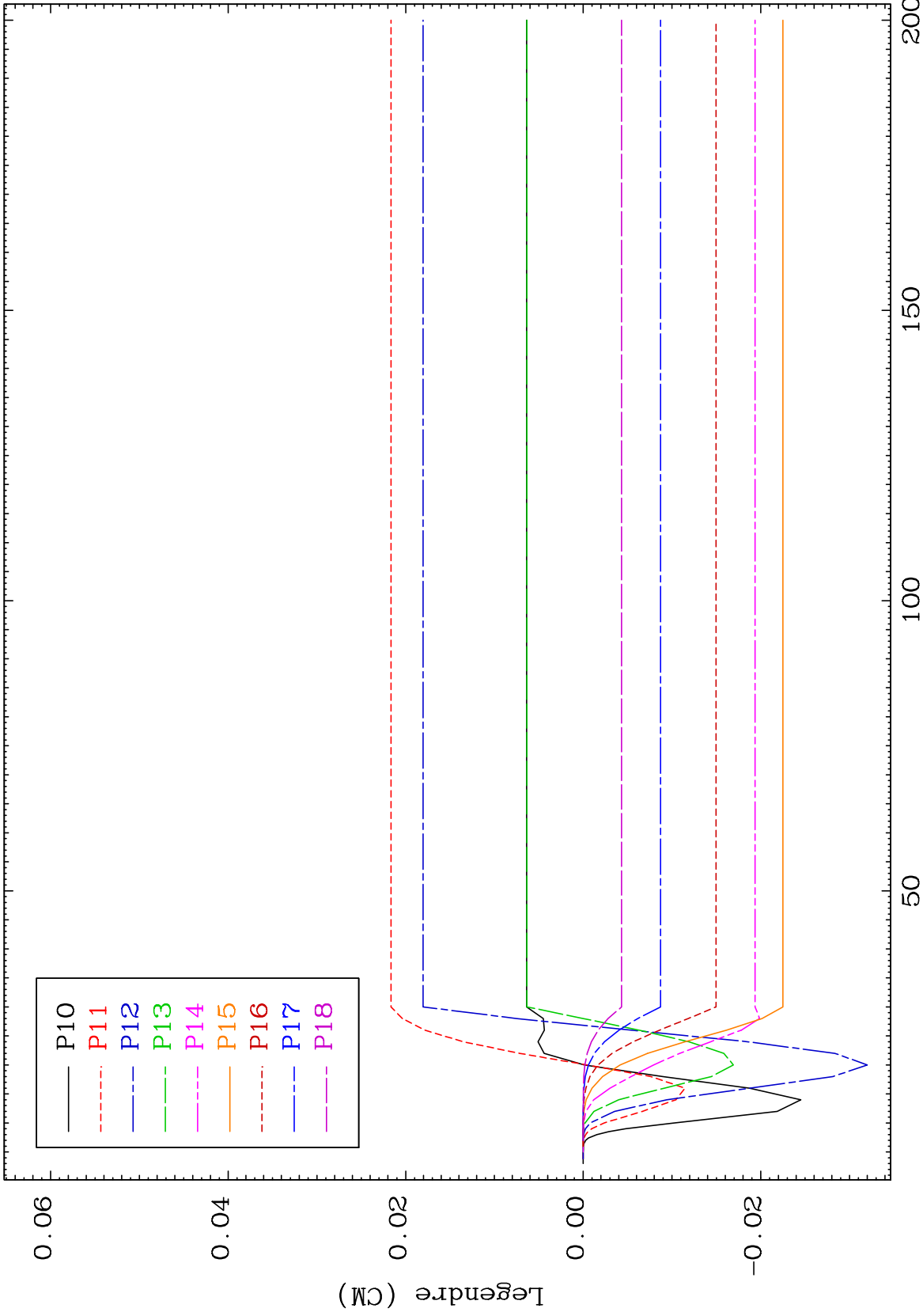
Incident Energy (MeV)

34-Se-76

MAT 3431

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

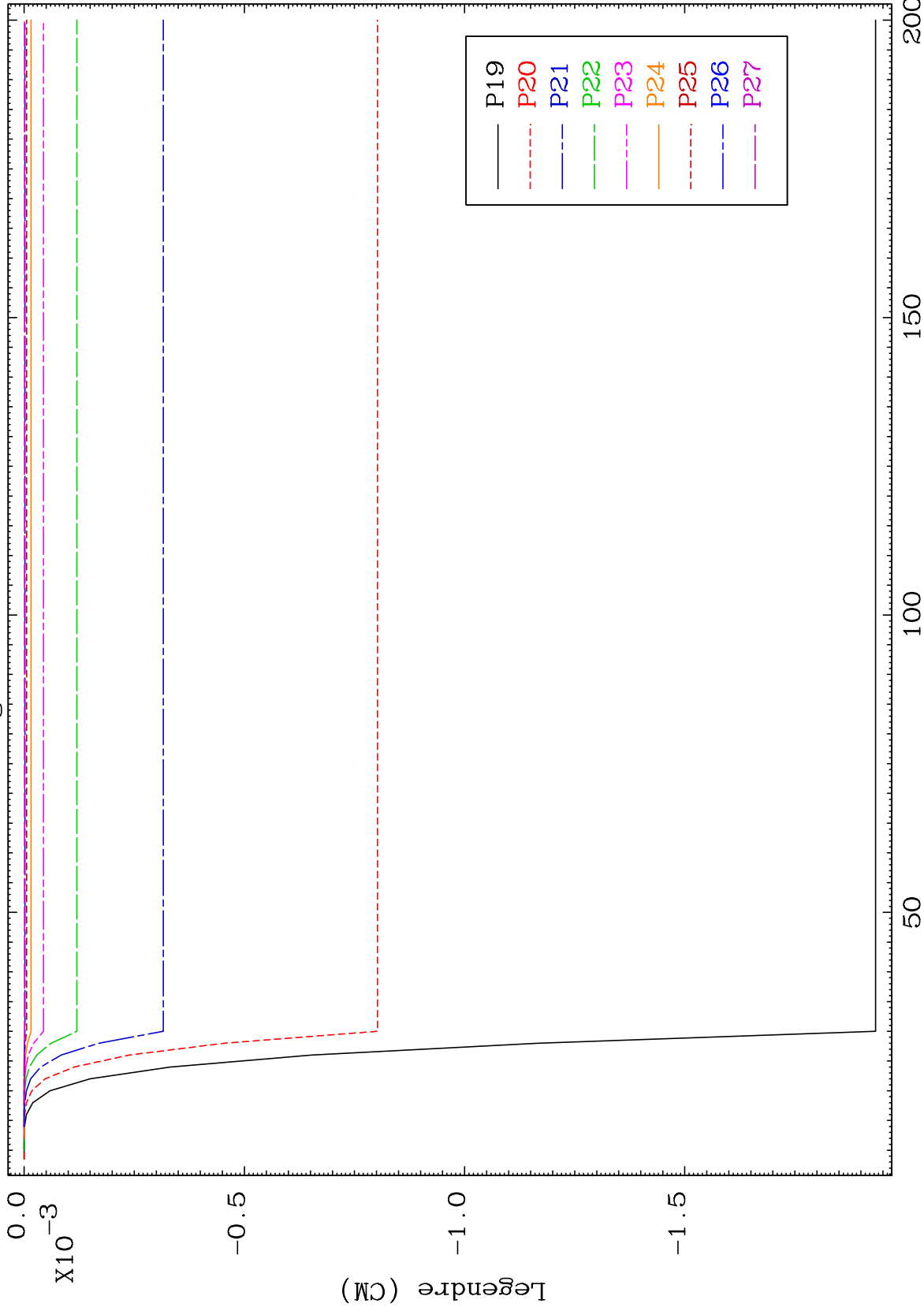
34-Se-76



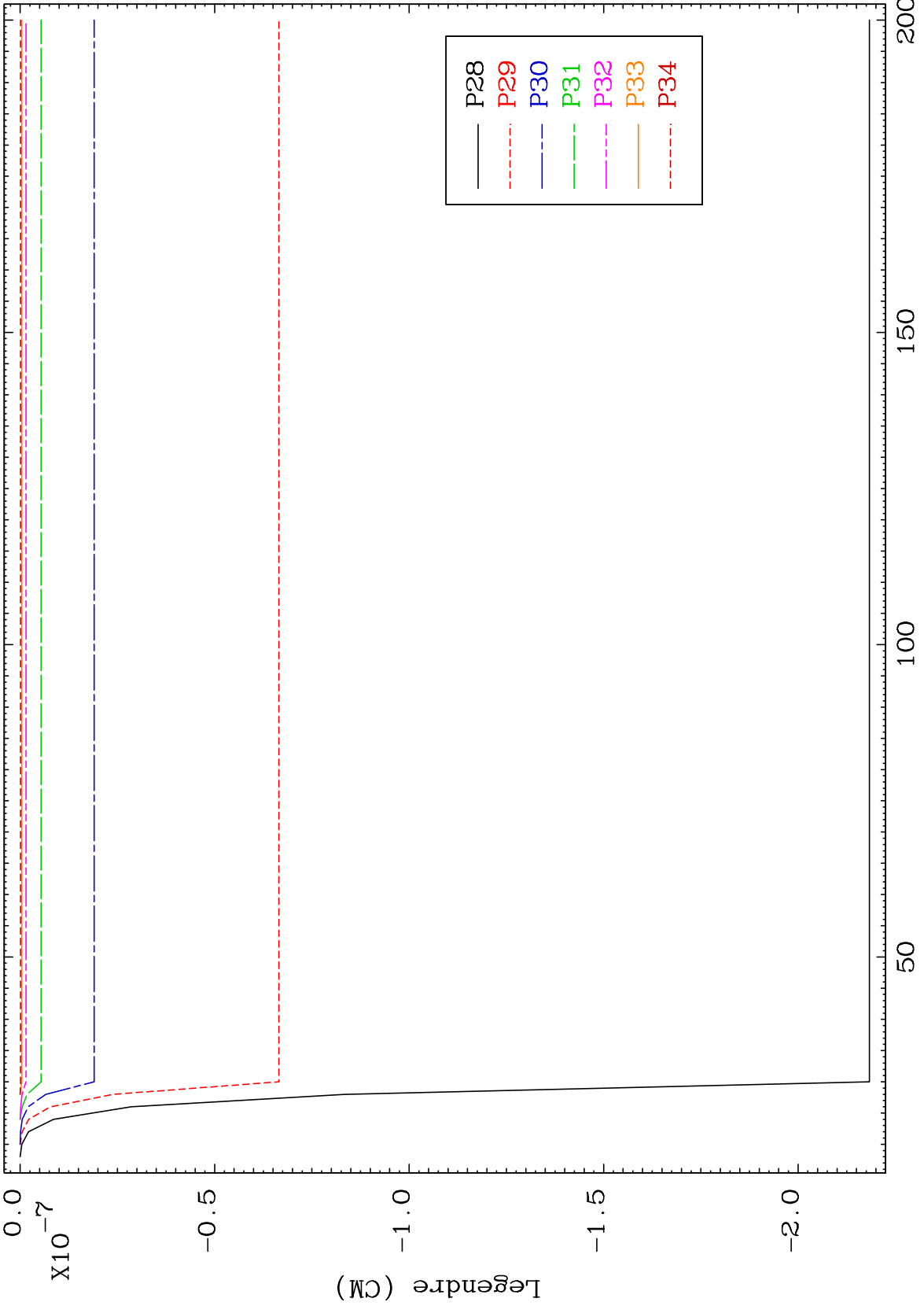
92

Incident Energy (MeV)

34-Se-76



MAT 3431 MT= 72 (n,n') Level Legendre Coefficients 34-Se-76

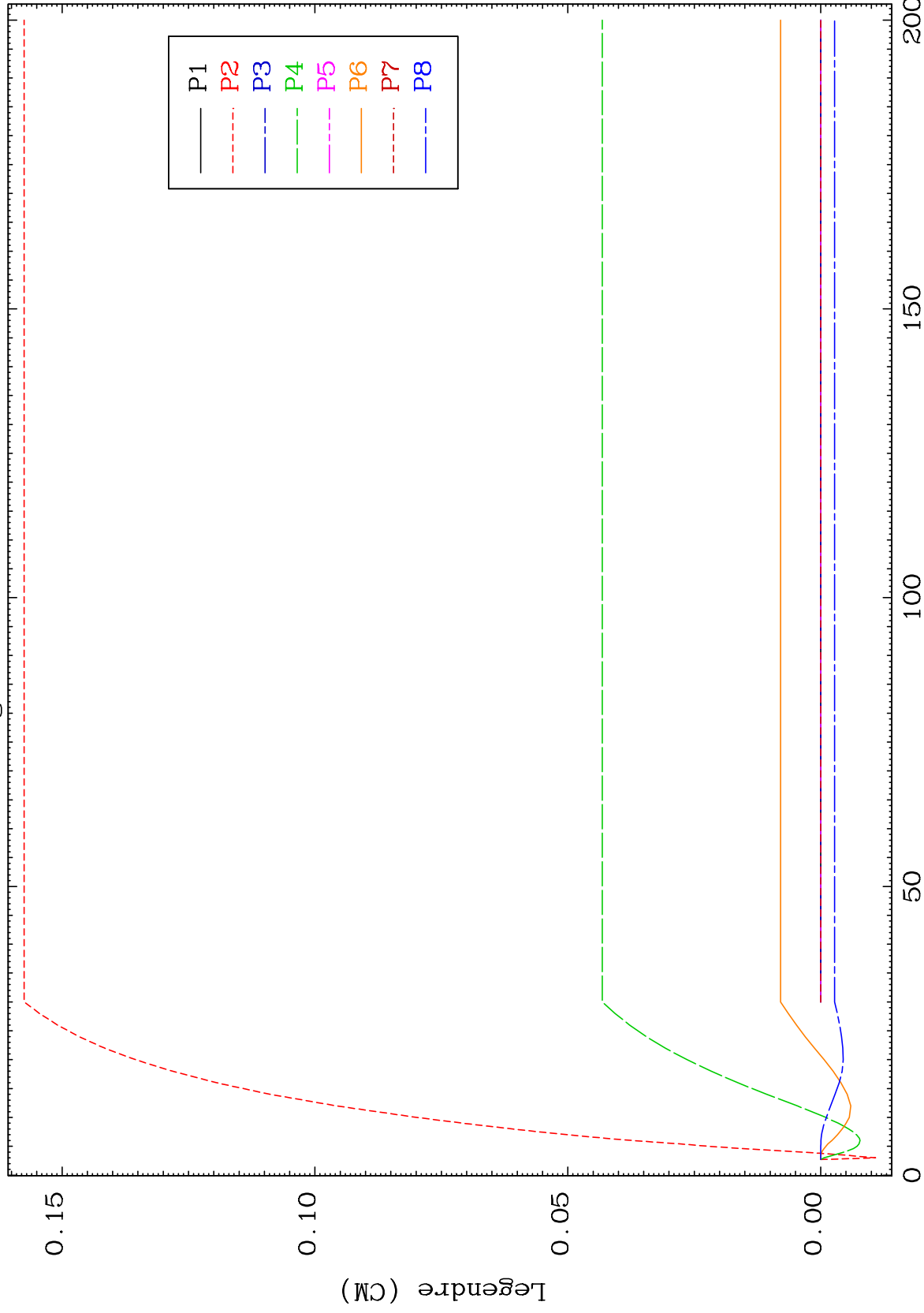


94 34-Se-76

MAT 3431

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

34-Se-76



95

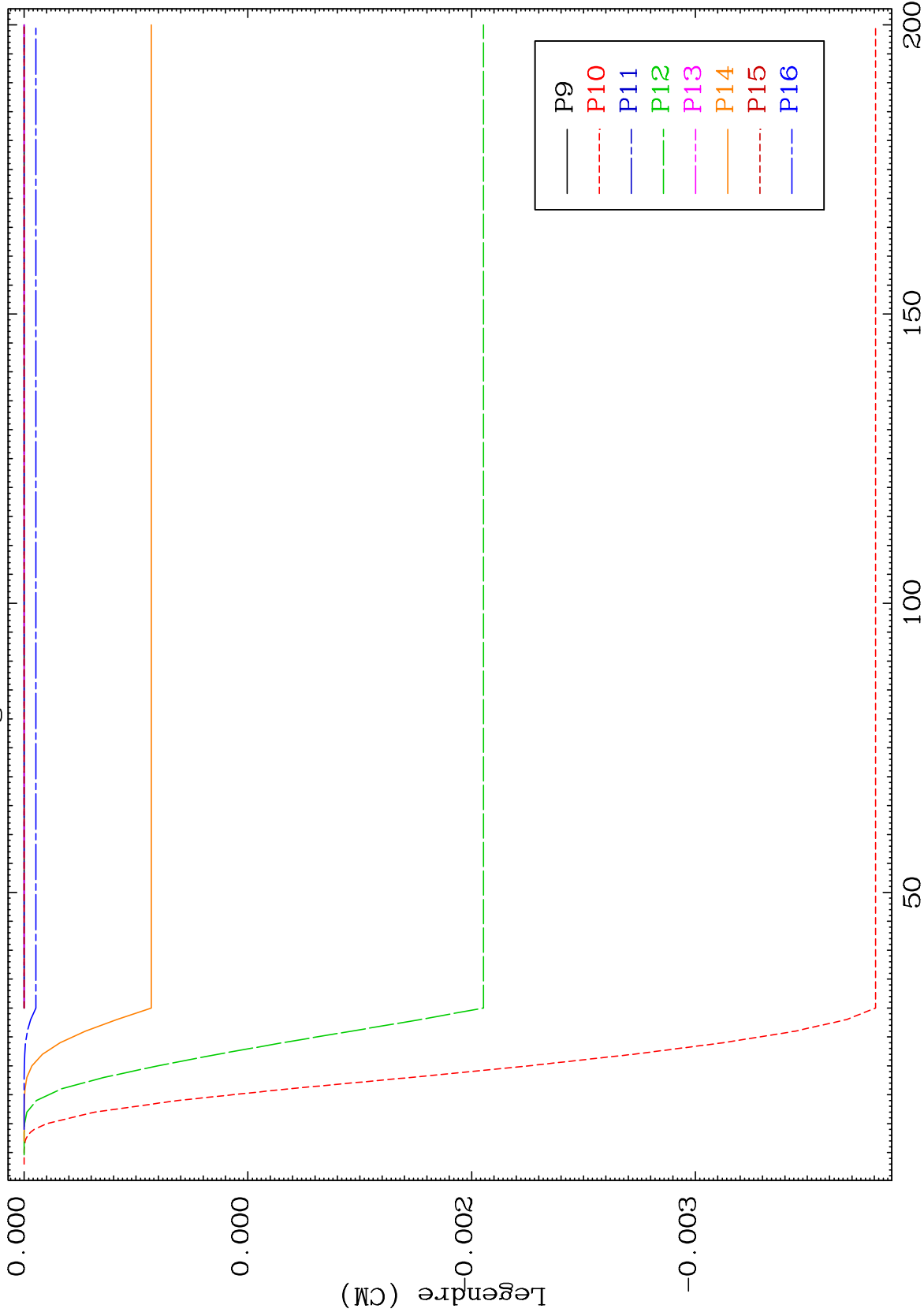
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



96

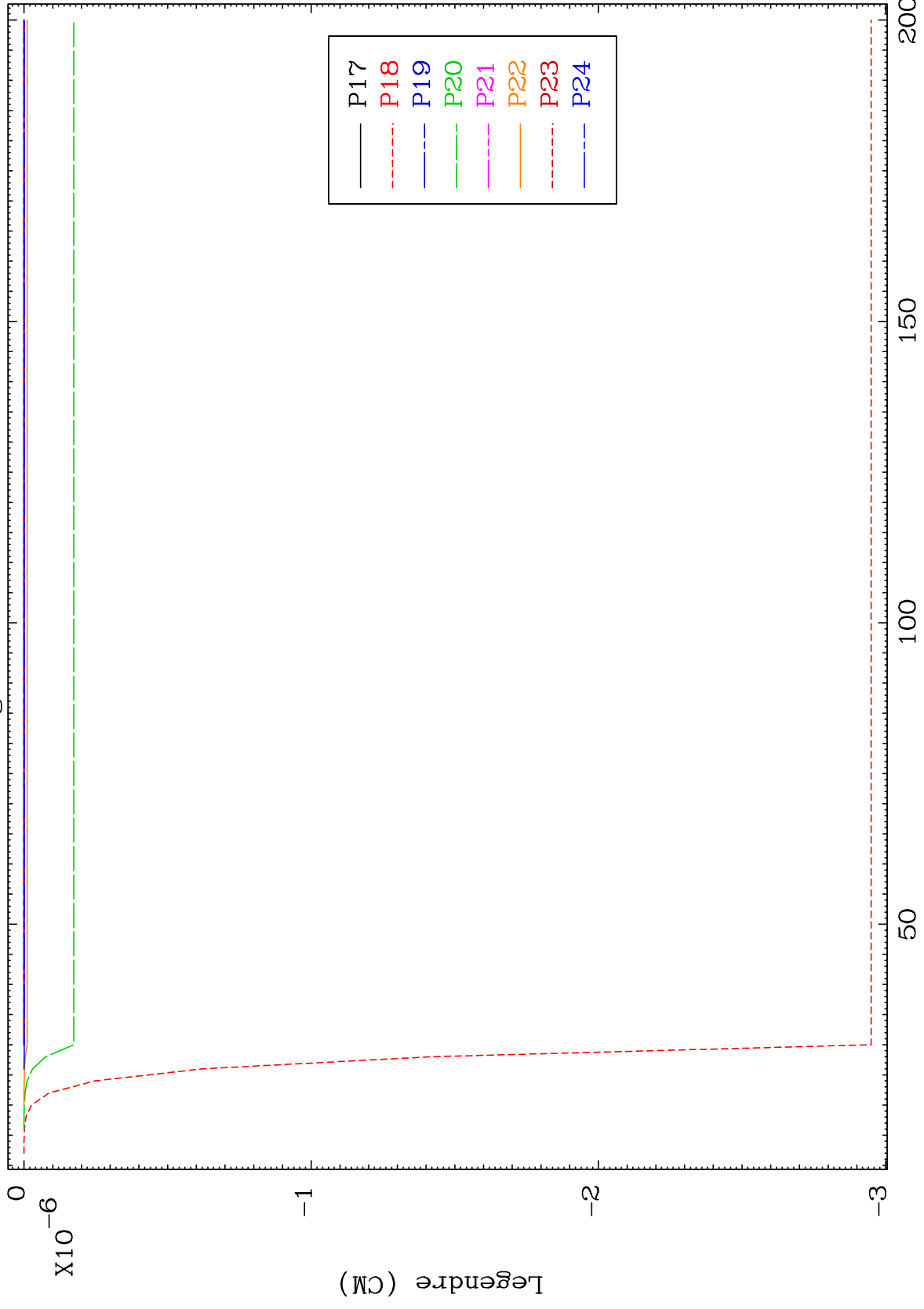
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



34-Se-76

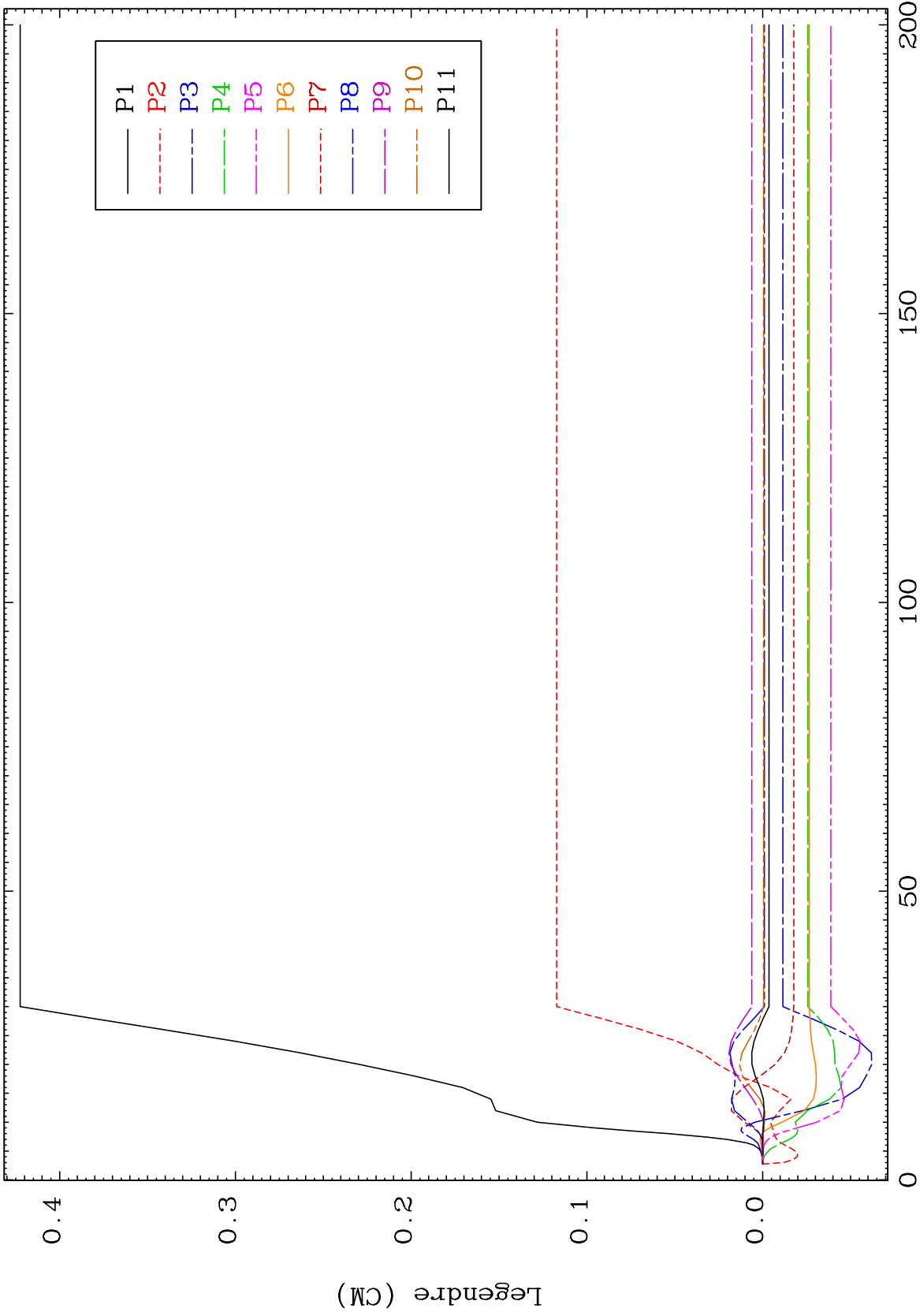
Incident Energy (MeV)

97

MAT 3431

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

34-Se-76



98

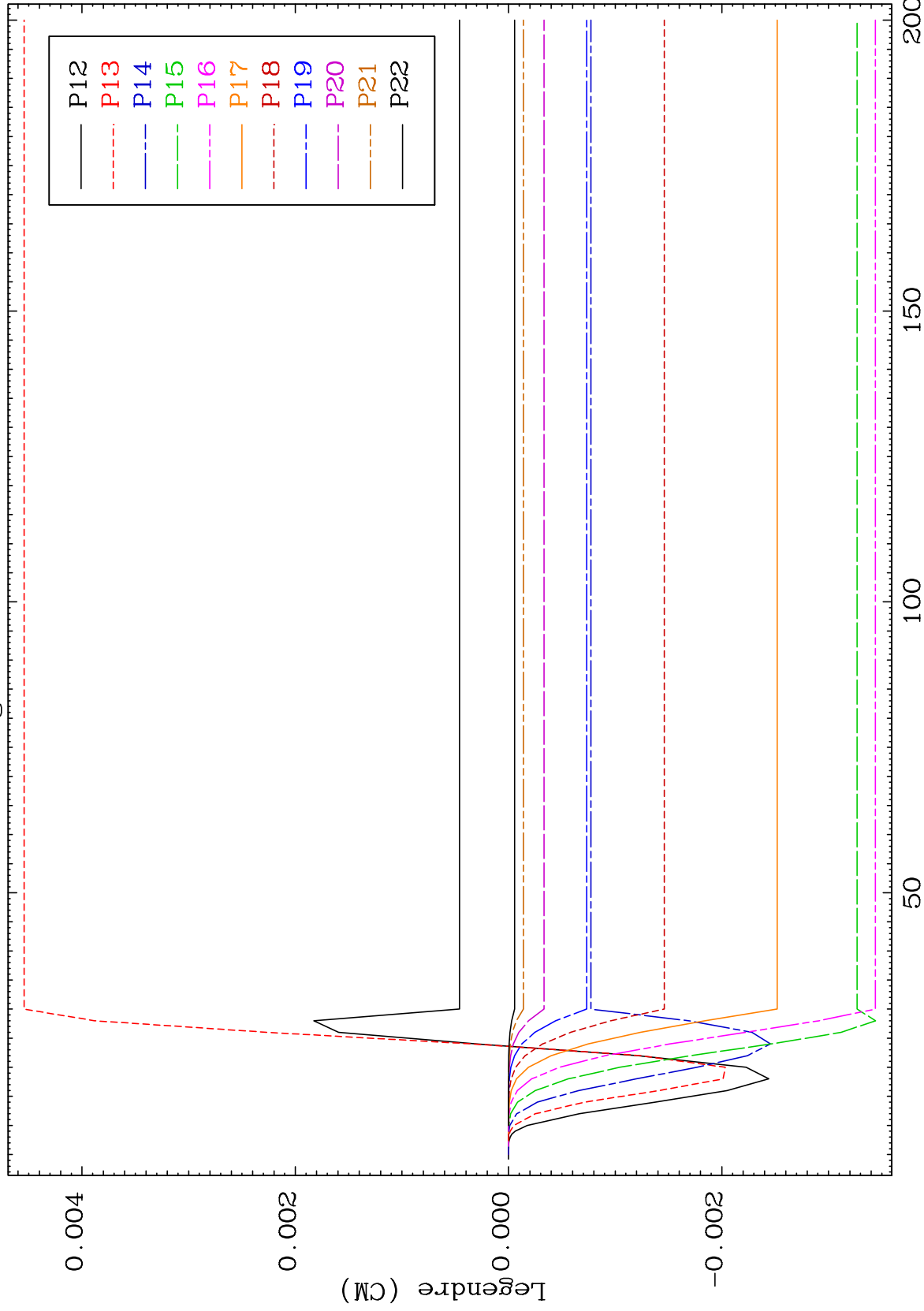
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



99

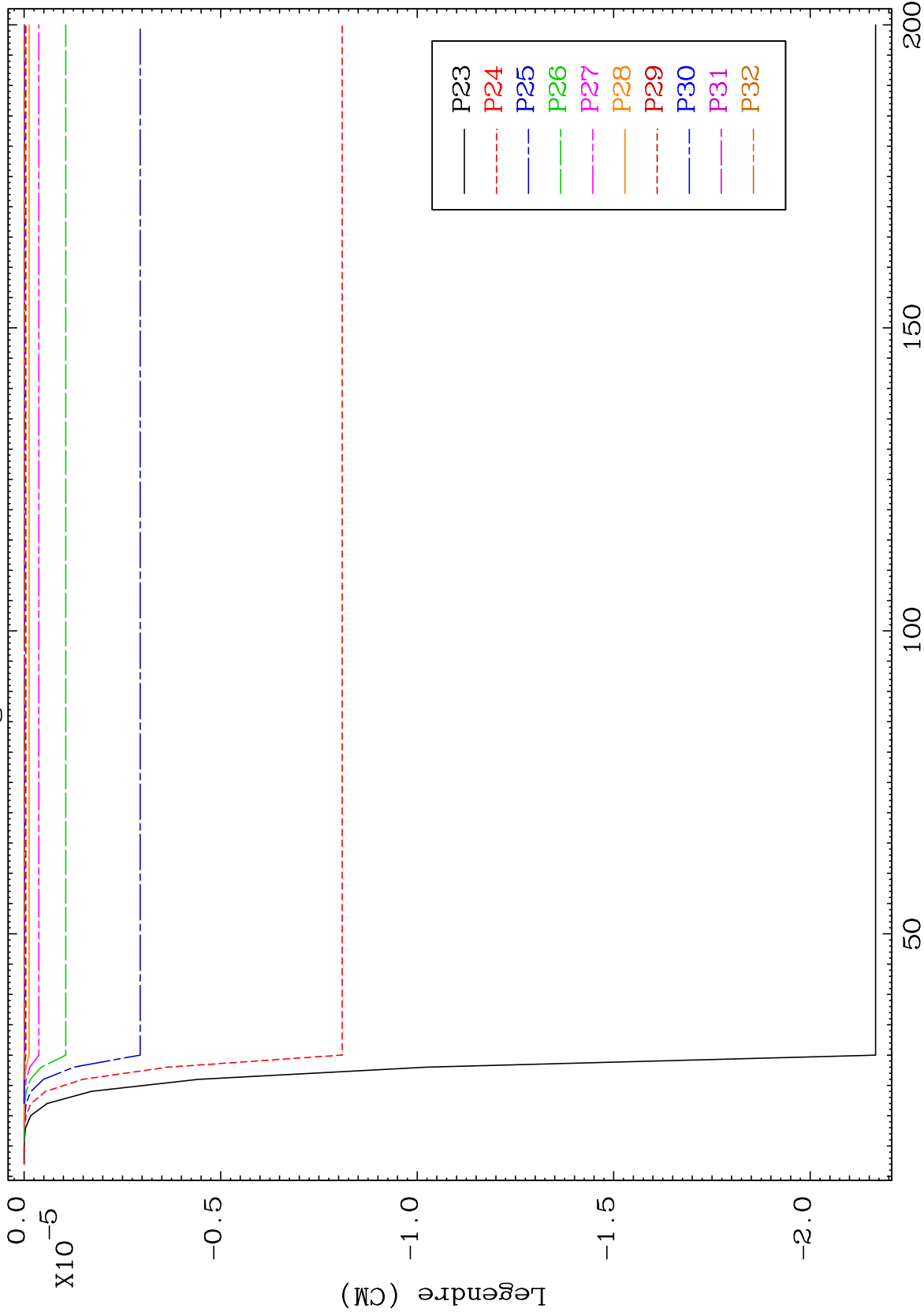
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



100

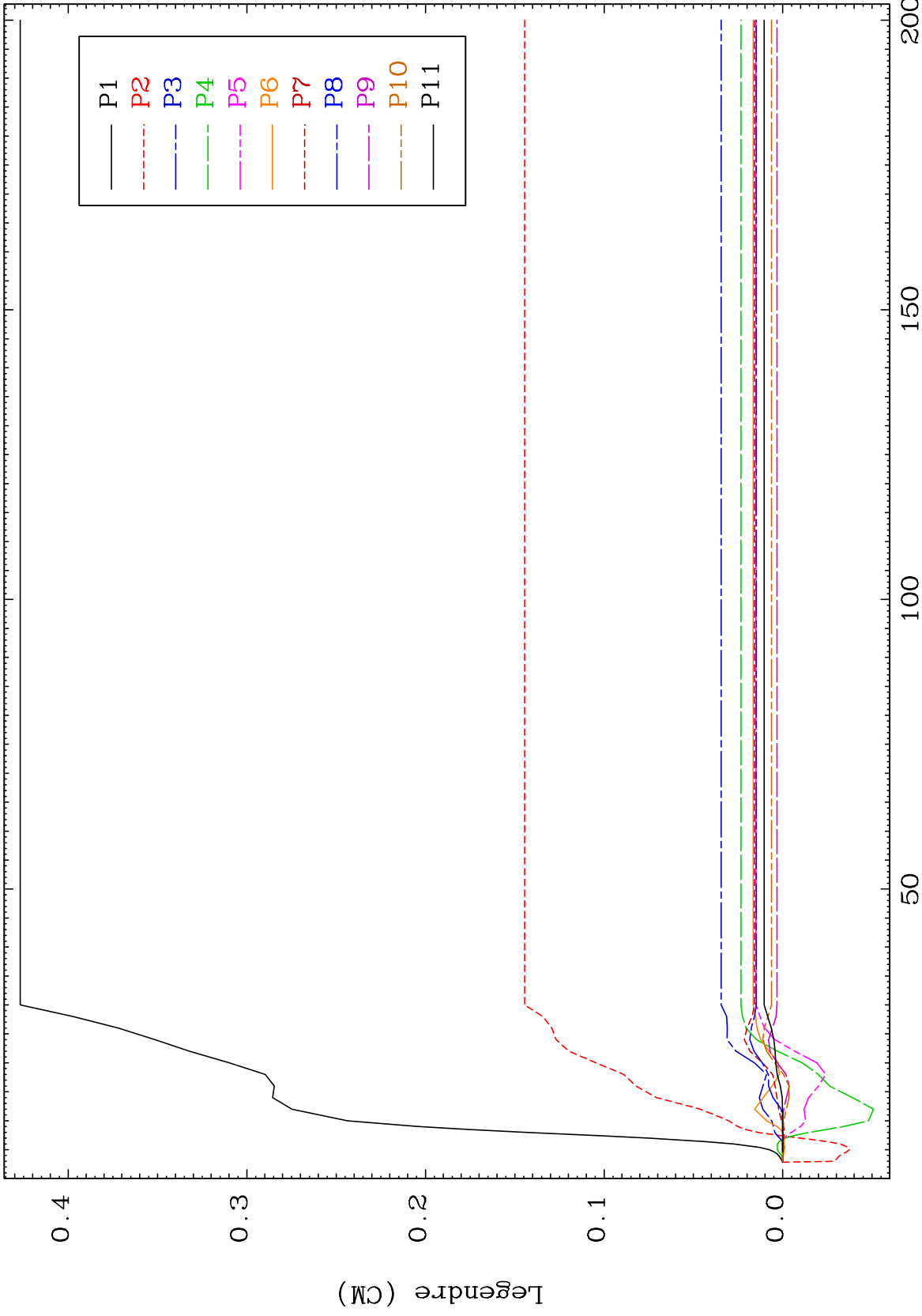
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



101

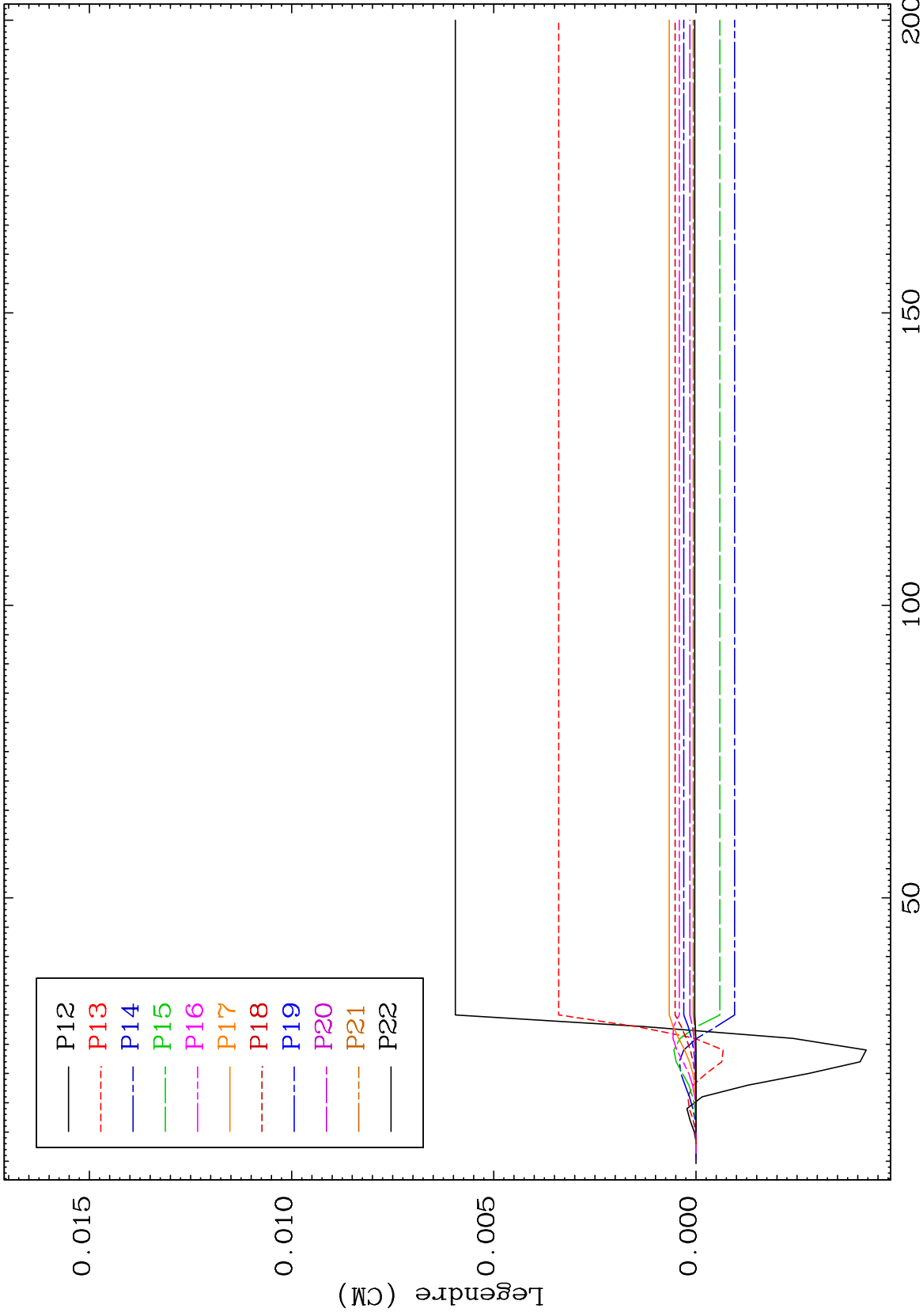
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



102

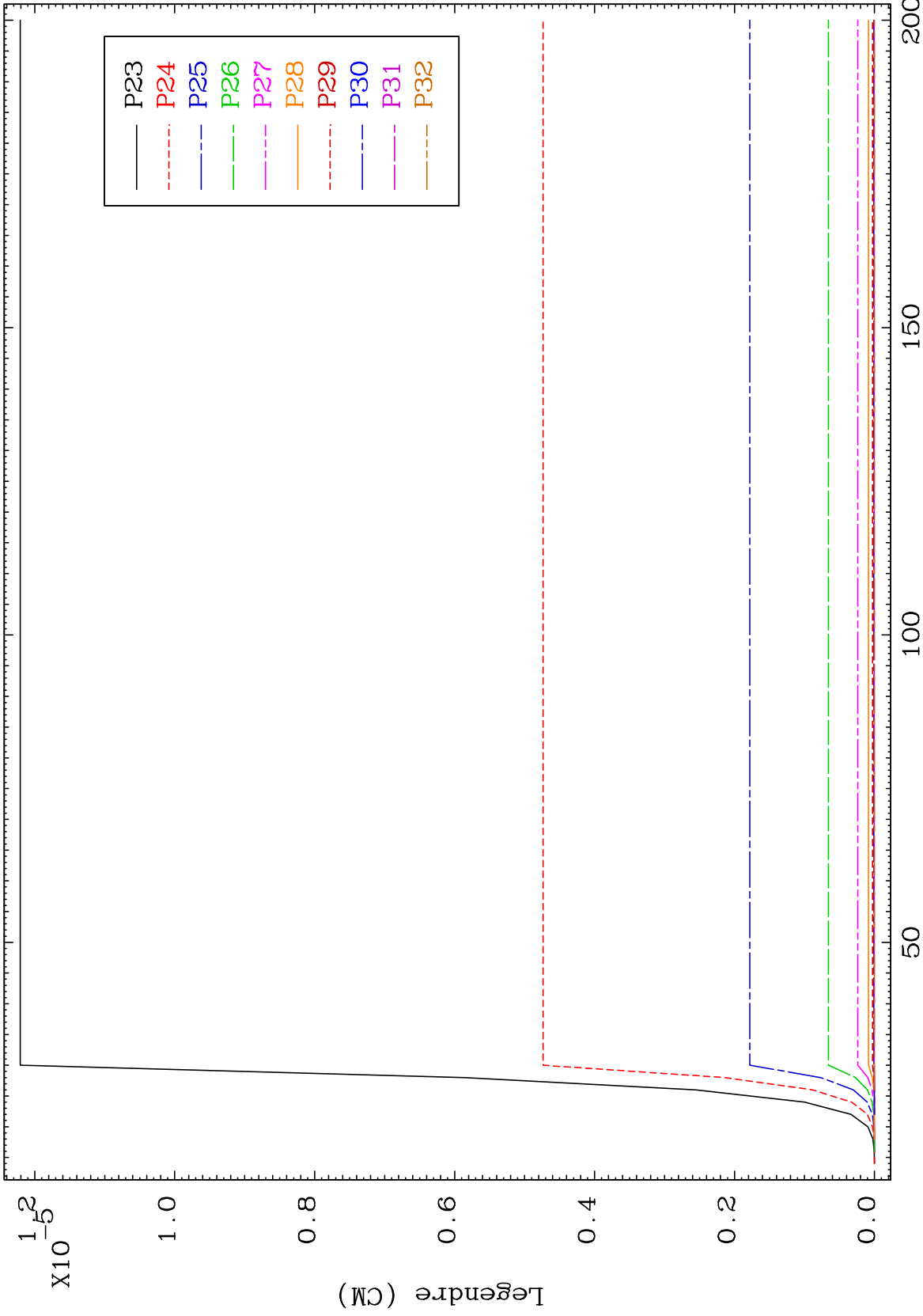
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



103

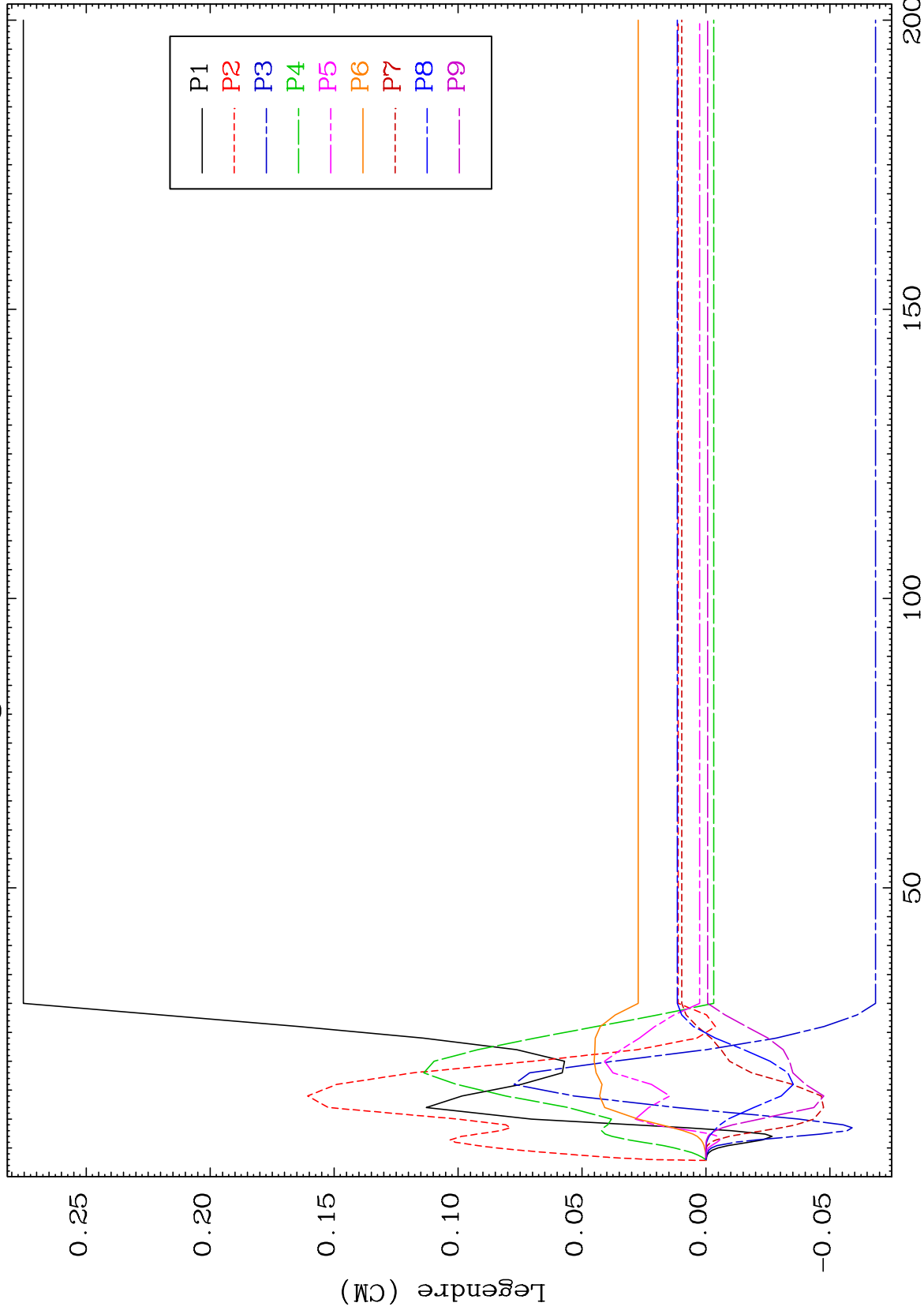
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



104

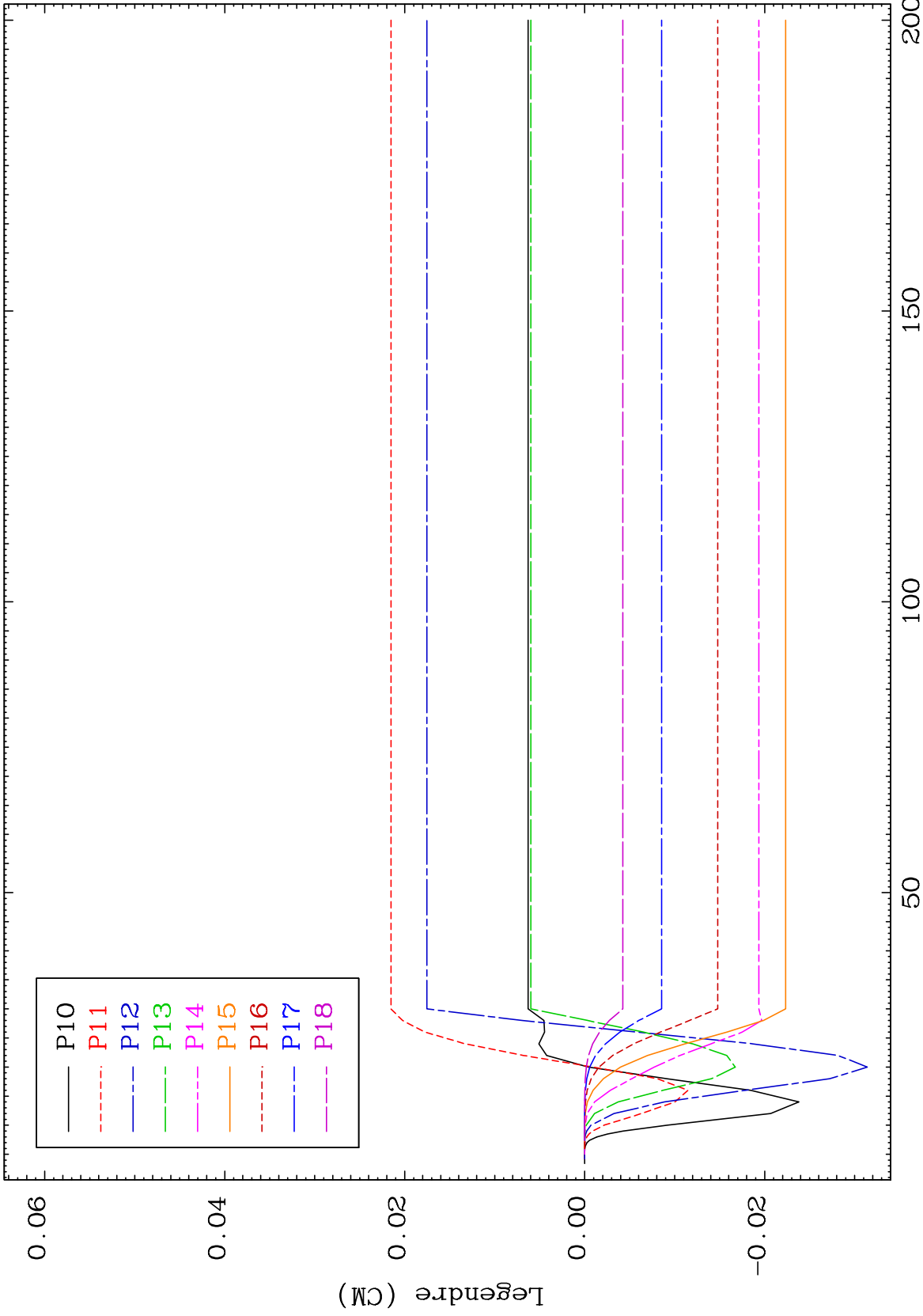
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



105

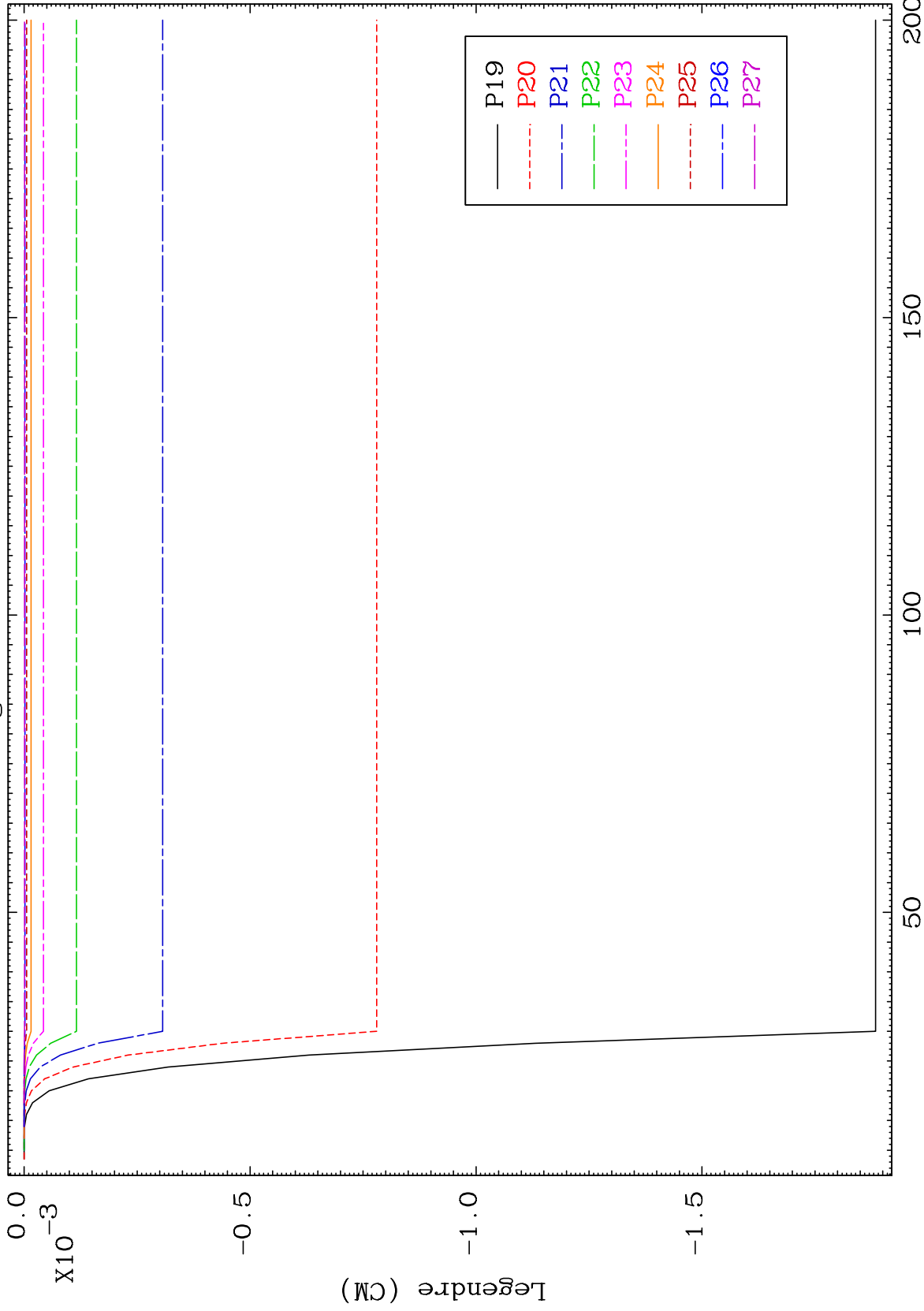
Incident Energy (MeV)

34-Se-76

MAT 3431

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

³⁴Se-76



106

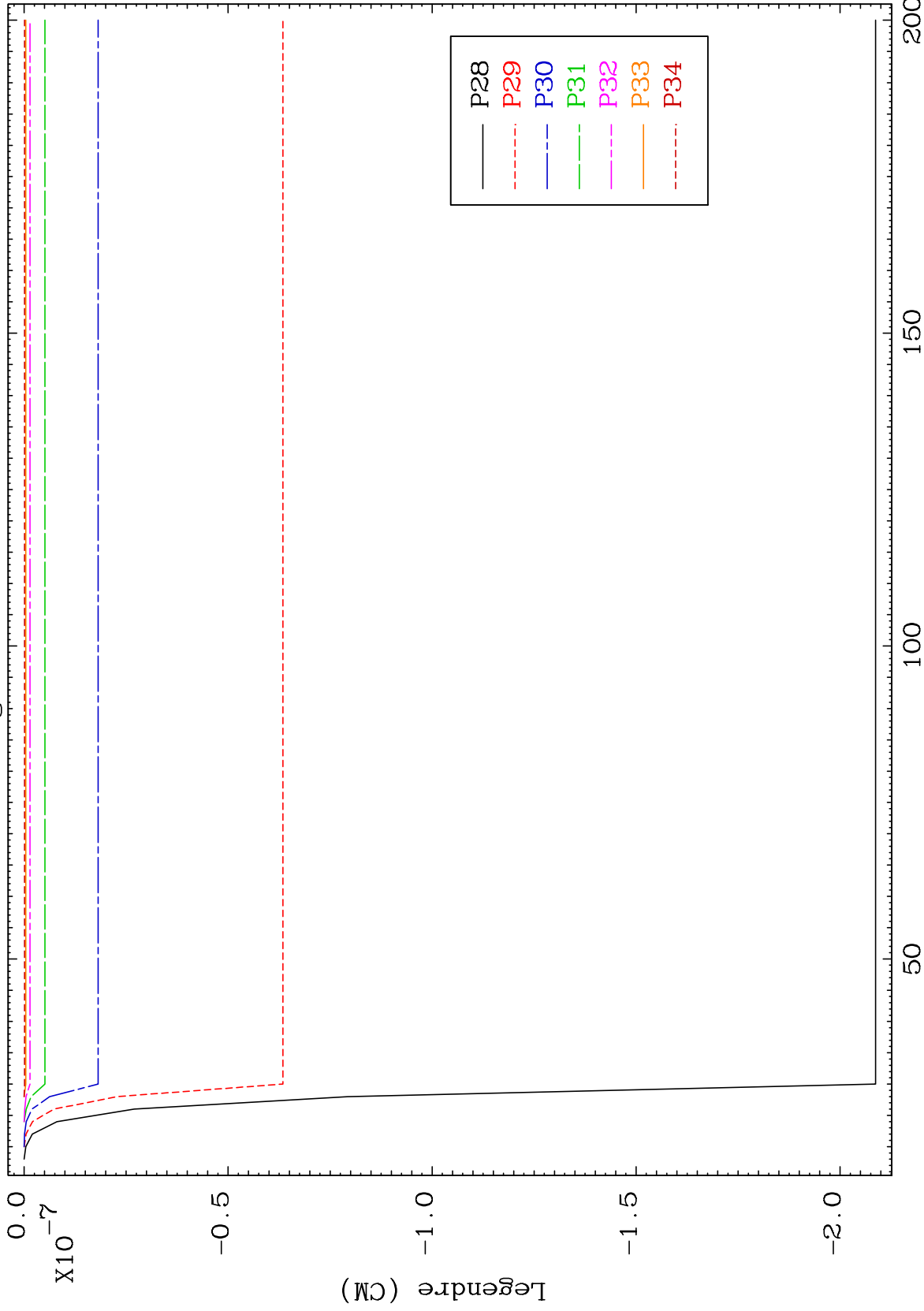
Incident Energy (MeV)

³⁴Se-76

MAT 3431

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

34-Se-76



34-Se-76

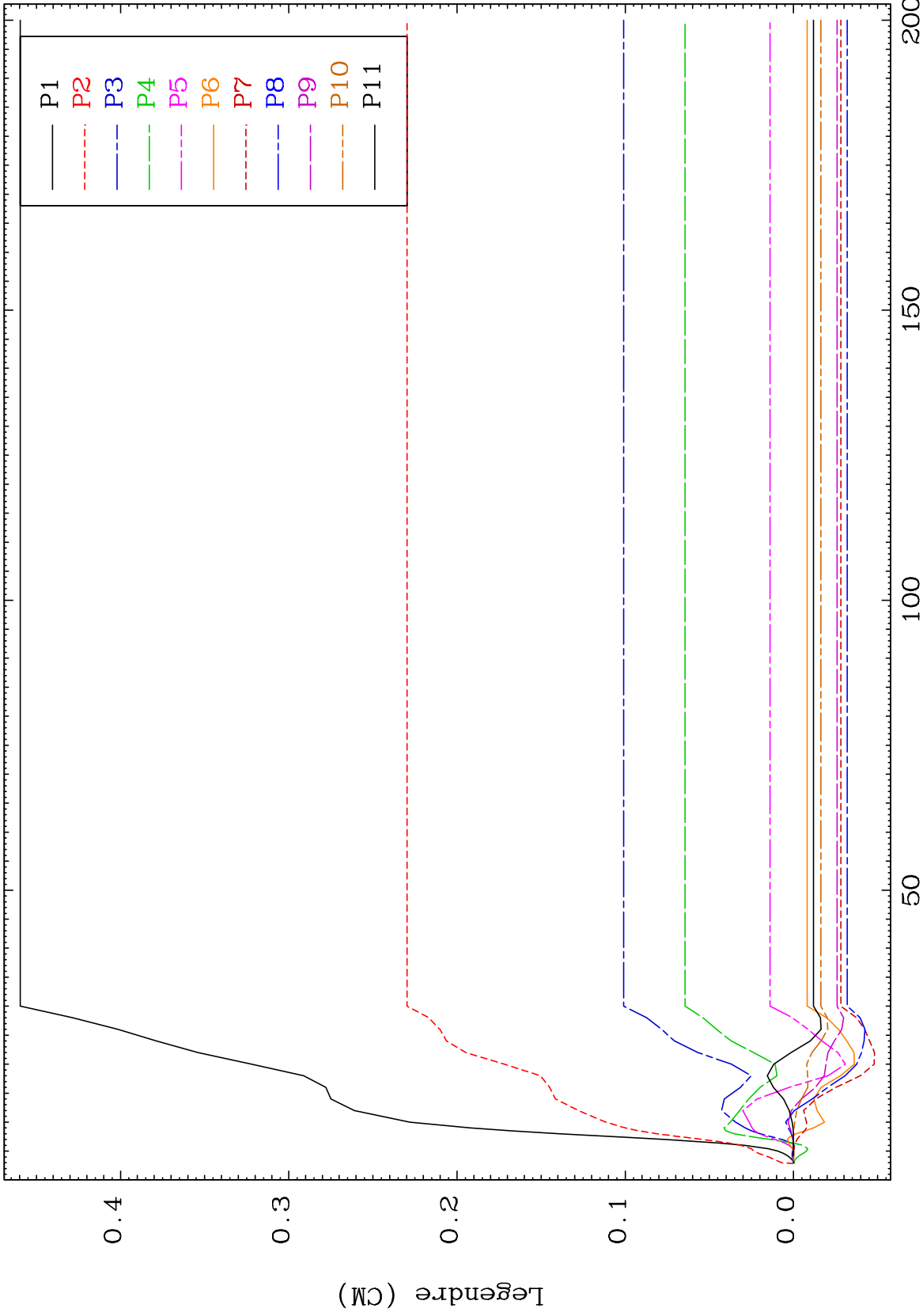
Incident Energy (MeV)

107

MAT 3431

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

34-Se-76



108

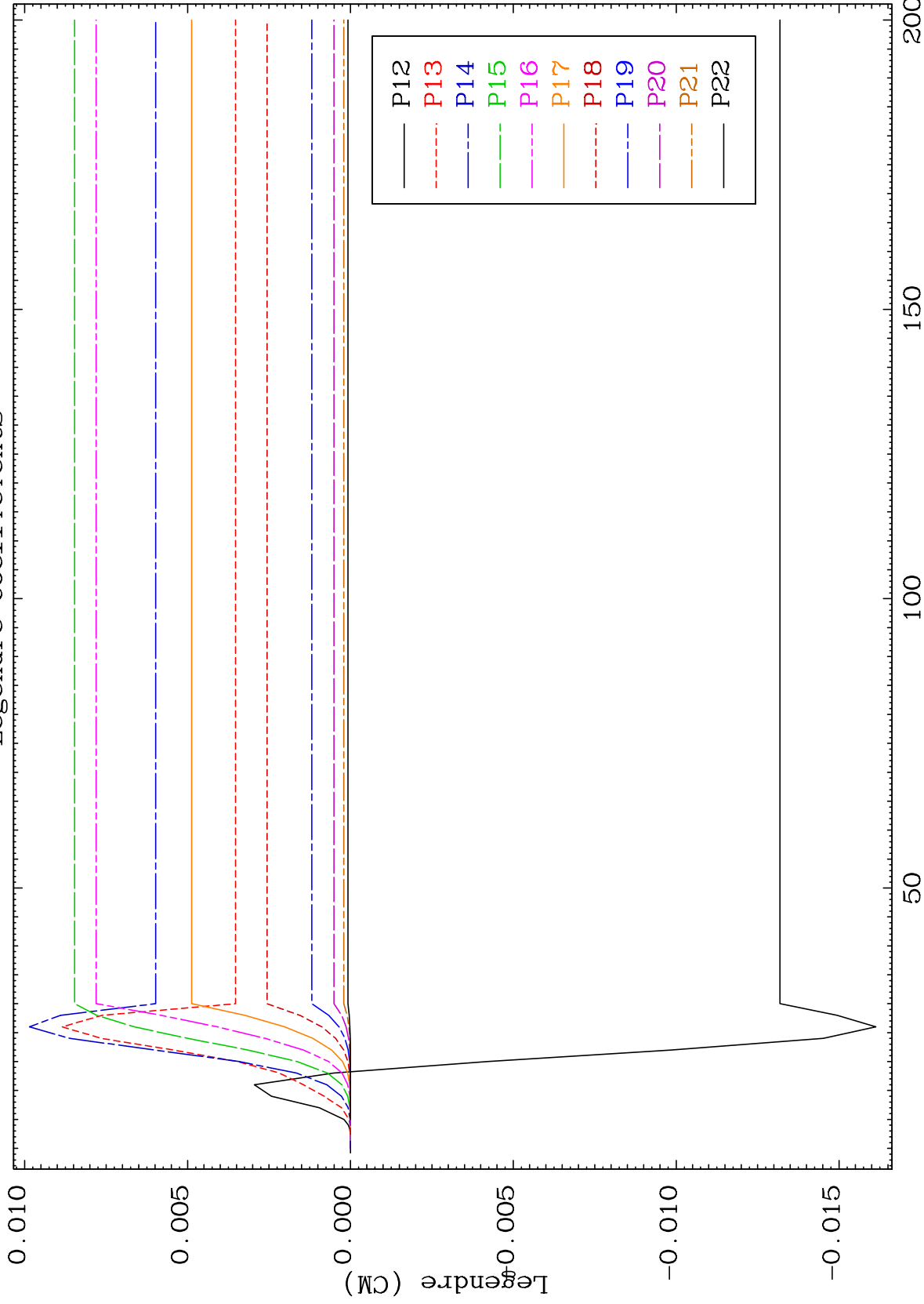
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



109

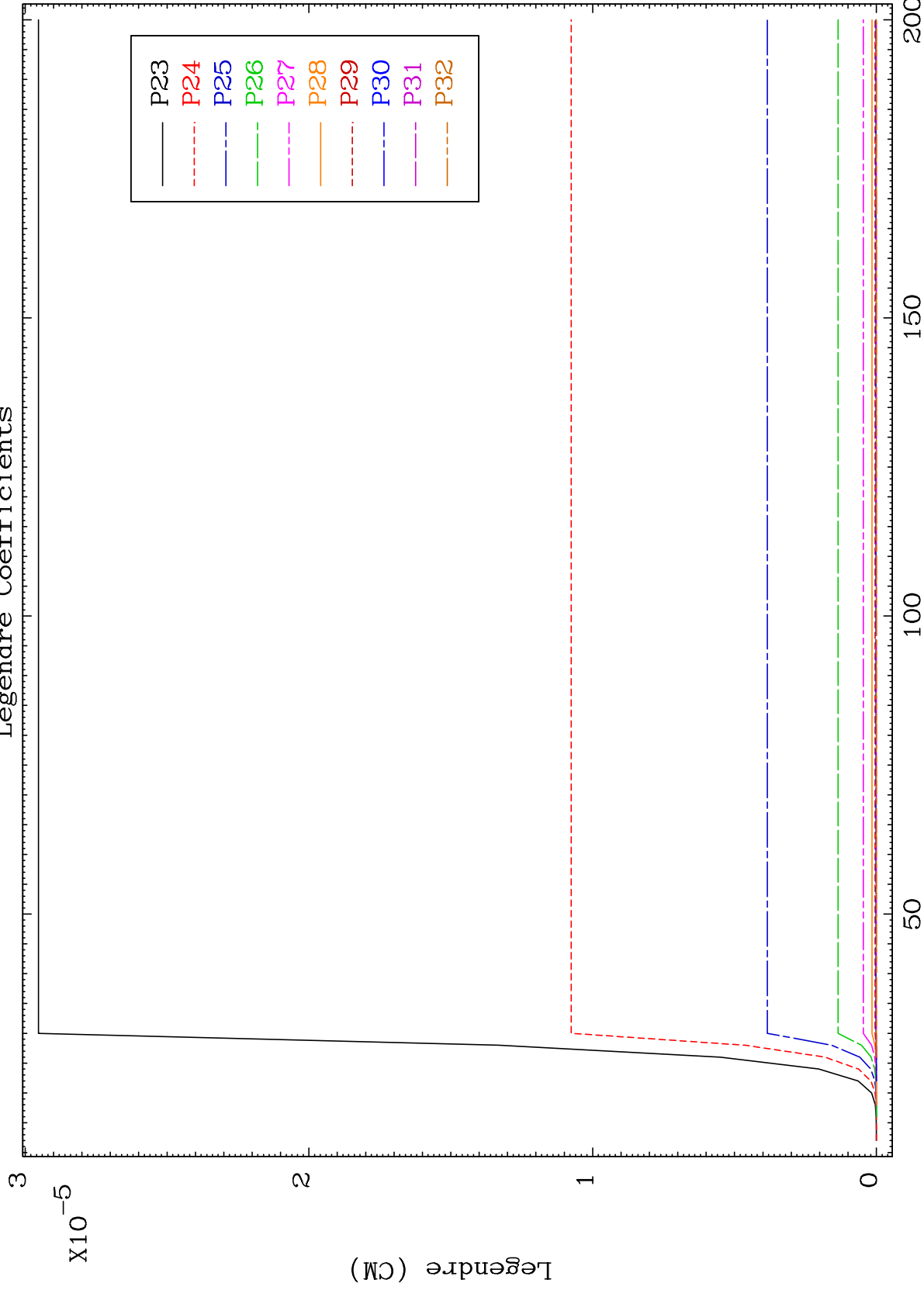
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



110

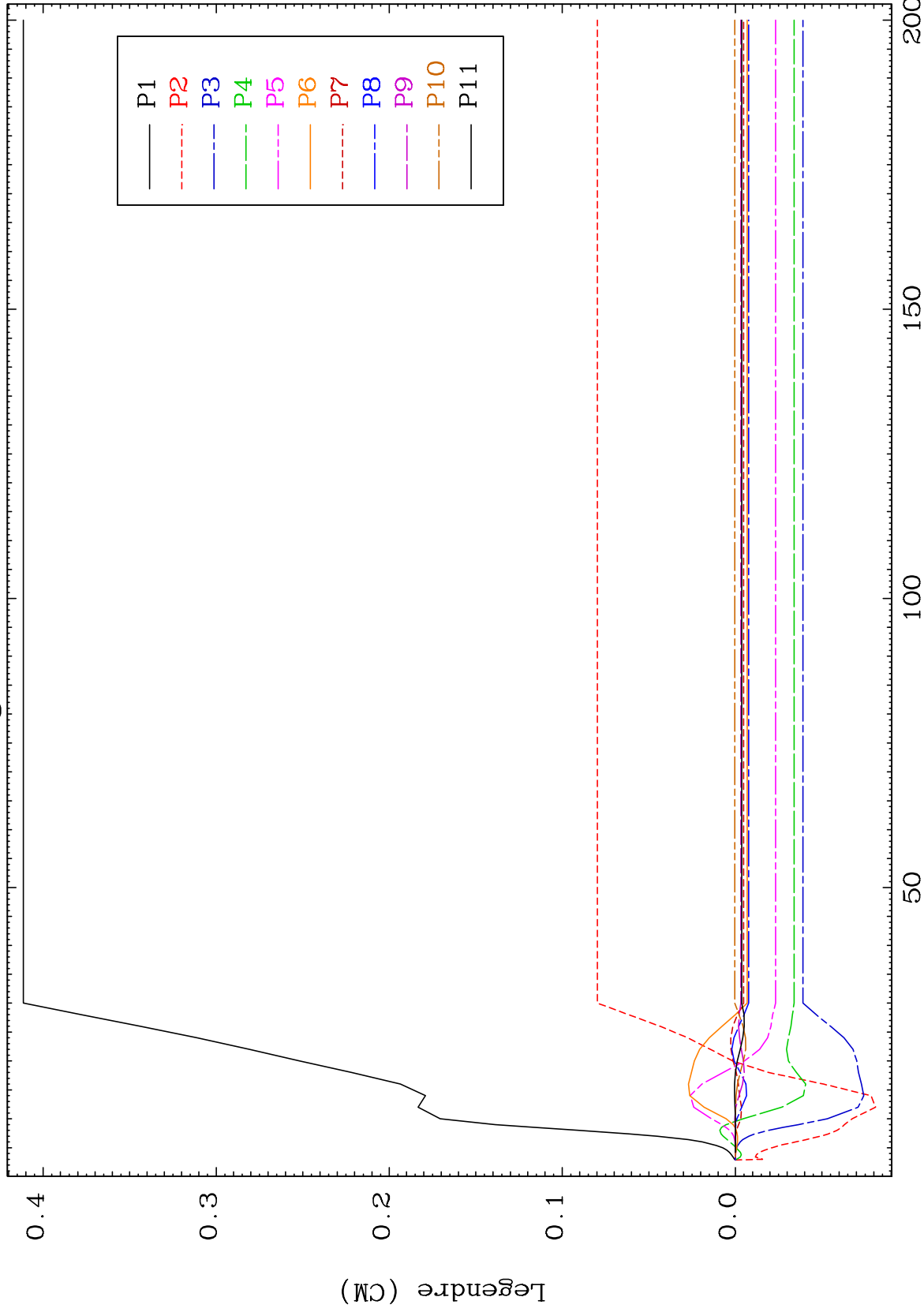
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76



111

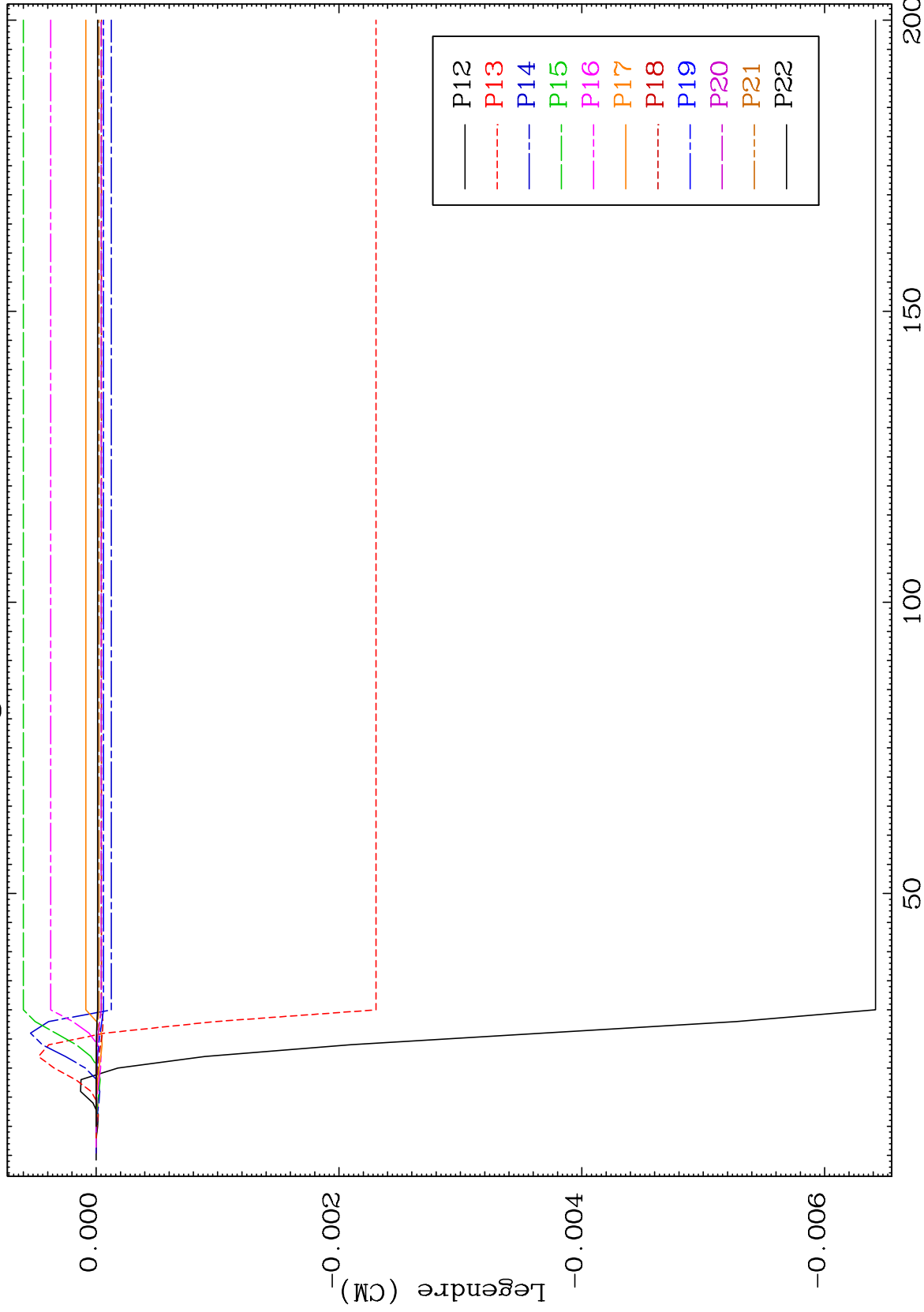
Incident Energy (MeV)

34-Se-76

MAT 3431

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

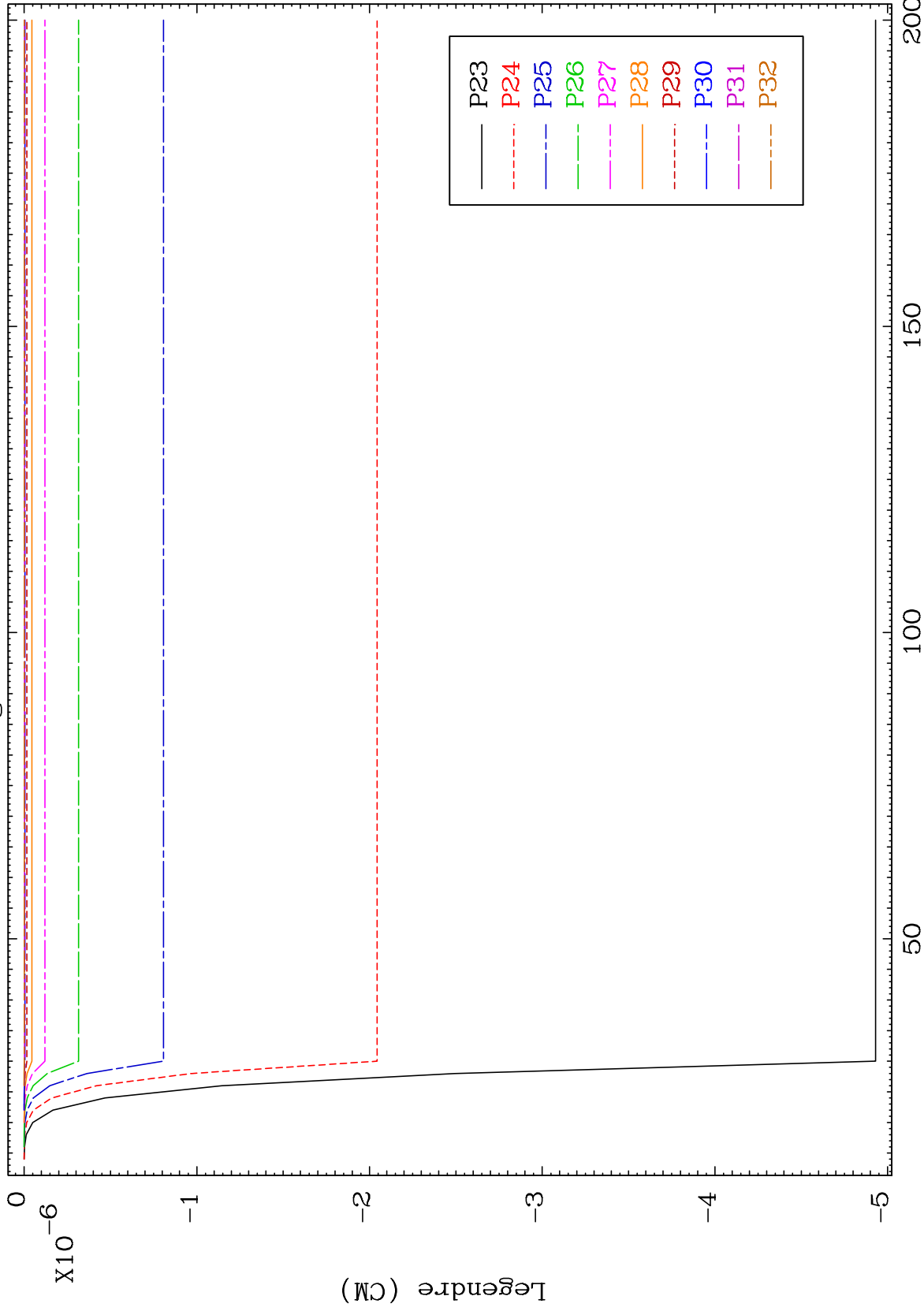
34-Se-76



112

Incident Energy (MeV)

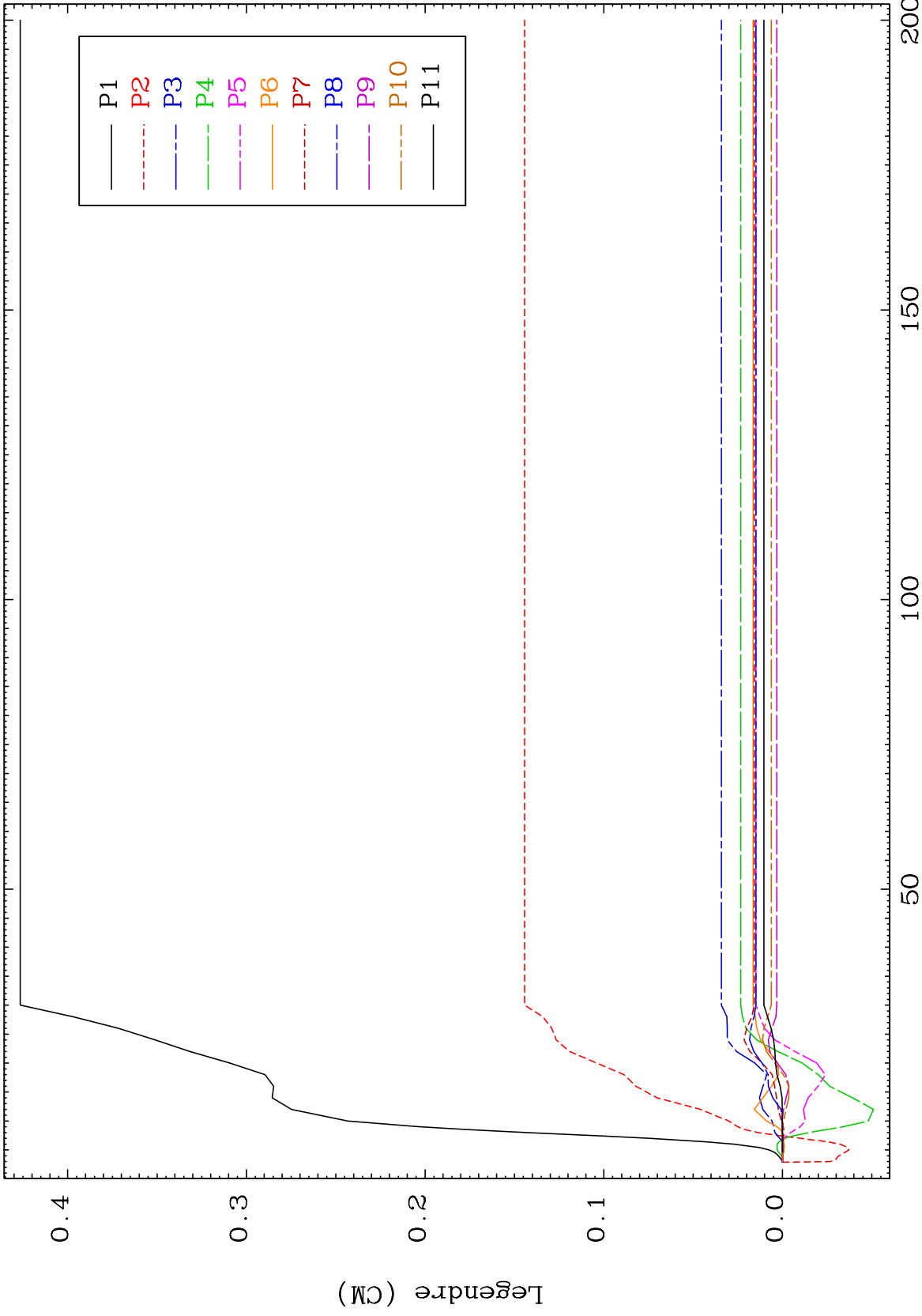
34-Se-76



MAT 3431

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

34-Se-76



114

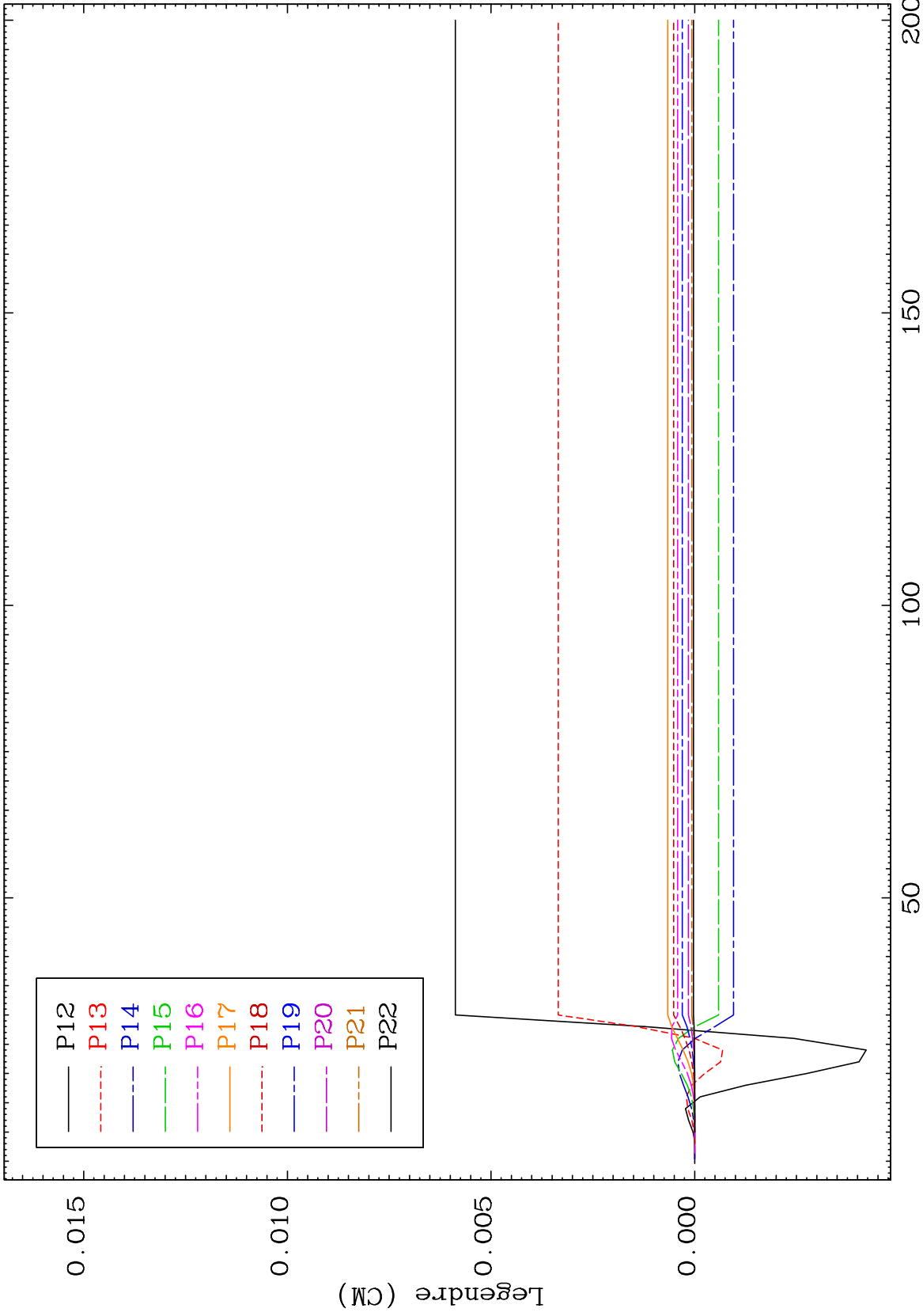
Incident Energy (MeV)

34-Se-76

MAT 3431

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

34-Se-76

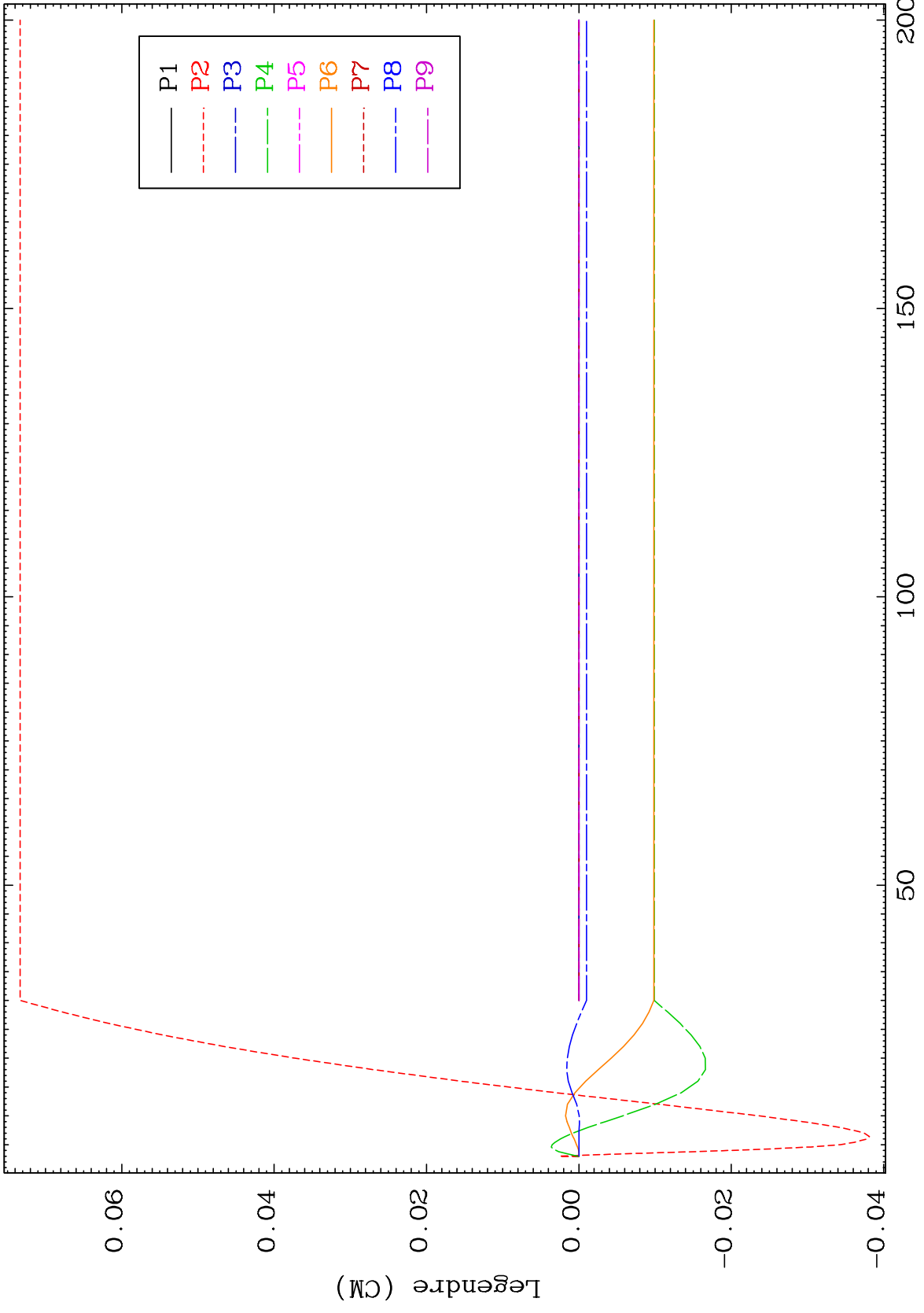


115

Incident Energy (MeV)

34-Se-76

MAT 3431 MT= 80 (n,n') Level Legendre Coefficients 34-Se-76

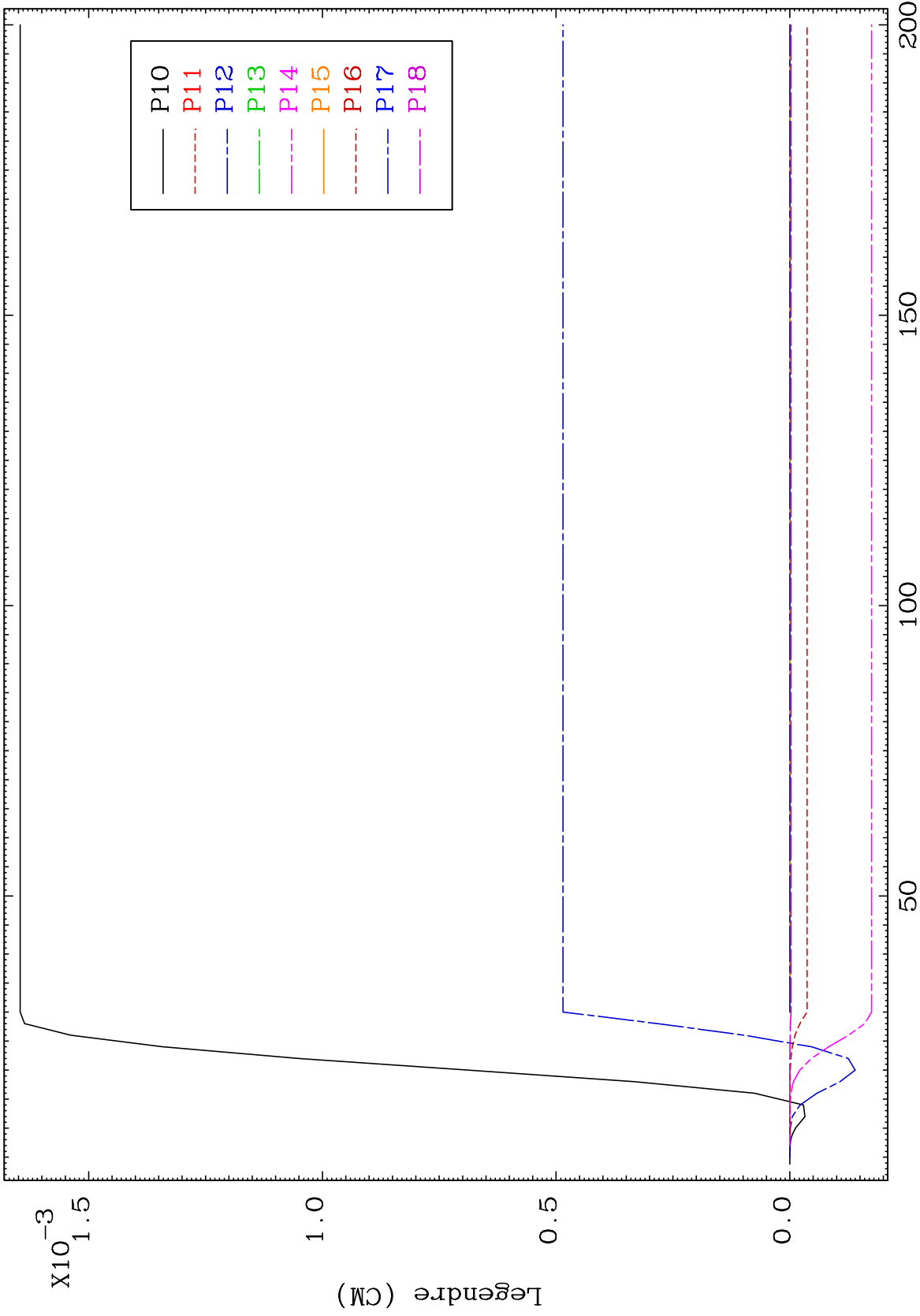


117 34-Se-76

MAT 3431

MT= 80 (n,n') Level
Legendre Coefficients

34-Se-76



118

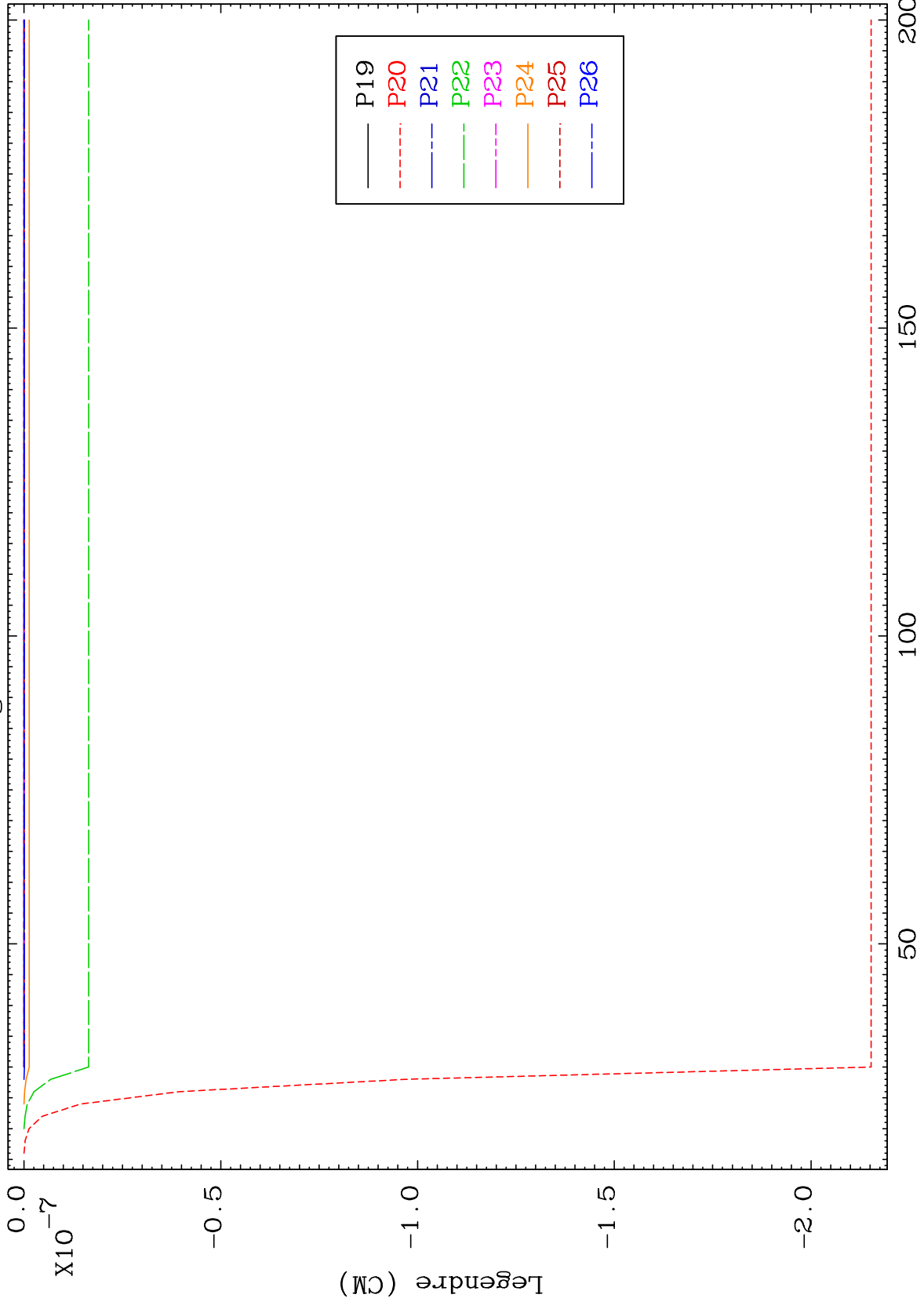
Incident Energy (MeV)

34-Se-76

MAT 3431

MT= 80 (n,n') Level
Legendre Coefficients

34-Se-76



34-Se-76

Incident Energy (MeV)

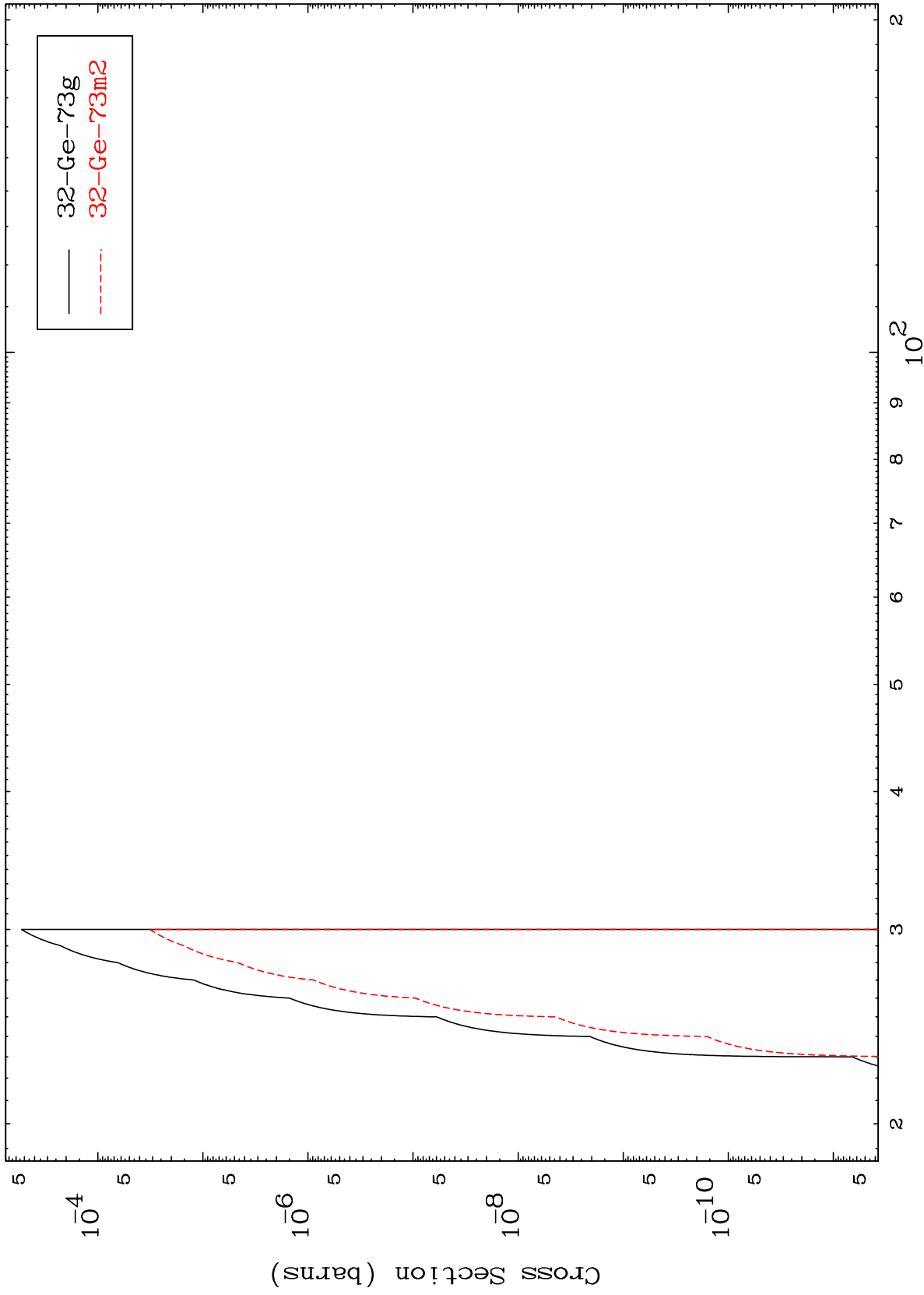
119

MAT 3431

(n, n') He-3

34-Ge-76

Radionuclide Production Cross Section



120

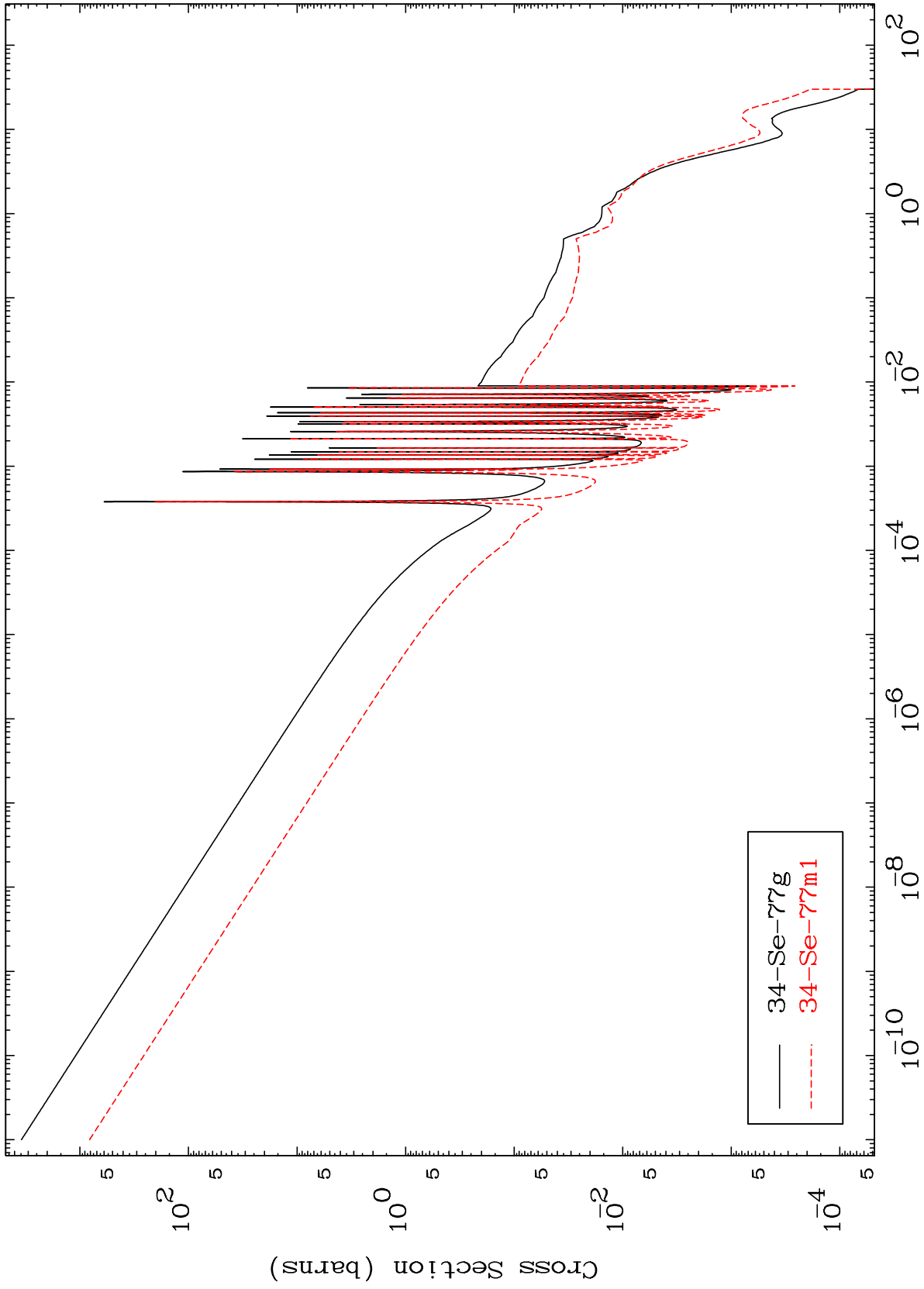
Incident Energy (MeV)

34-Ge-76

MAT 3431

³⁴Se-76

Radionuclide Production Cross Section
(n,γ)



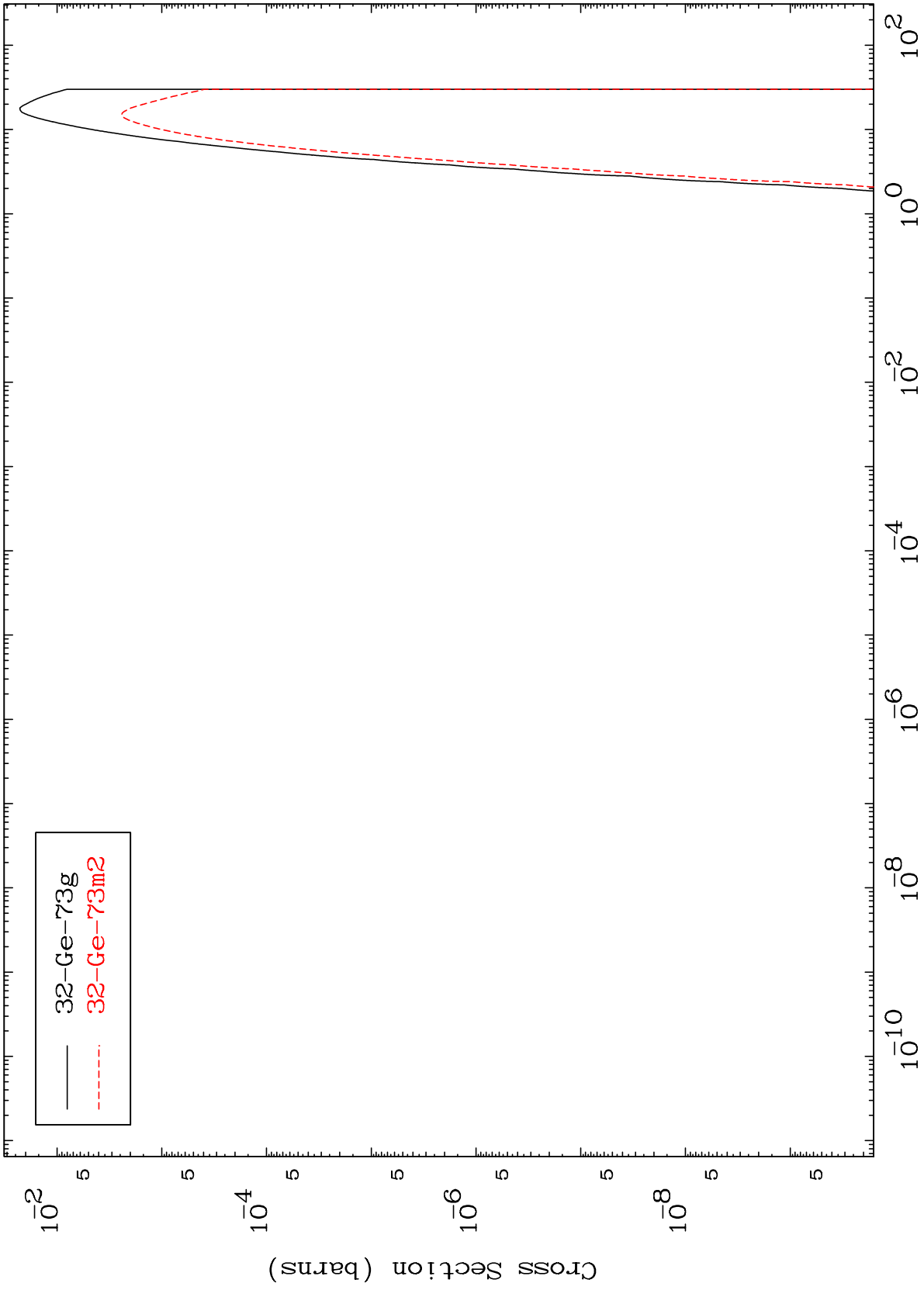
121

³⁴Se-76

MAT 3431

(n, α)
Radionuclide Production Cross Section

³⁴Se-76



122

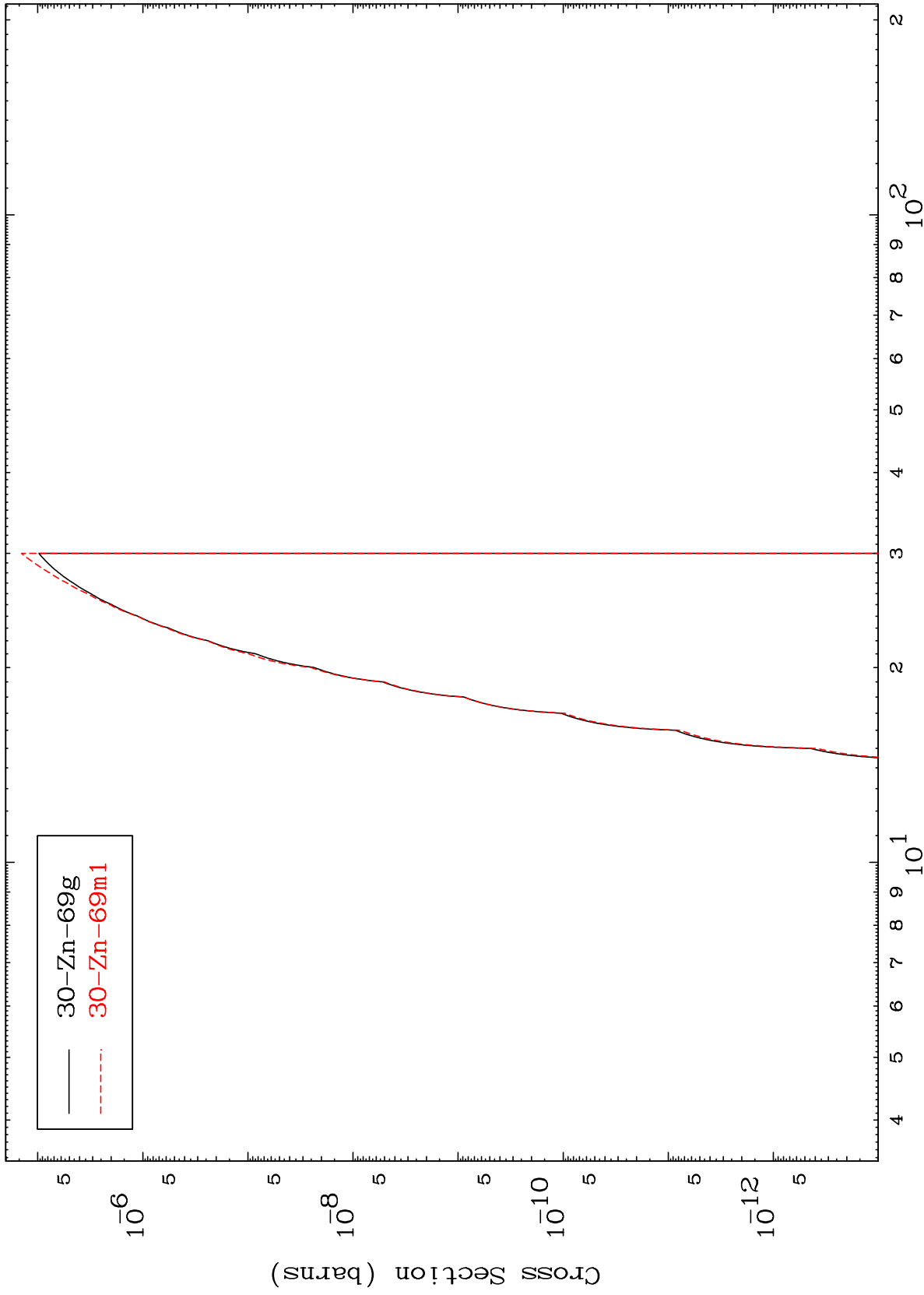
Incident Energy (MeV)

³⁴Se-76

MAT 3431

³⁴Se-76

Radionuclide Production Cross Section



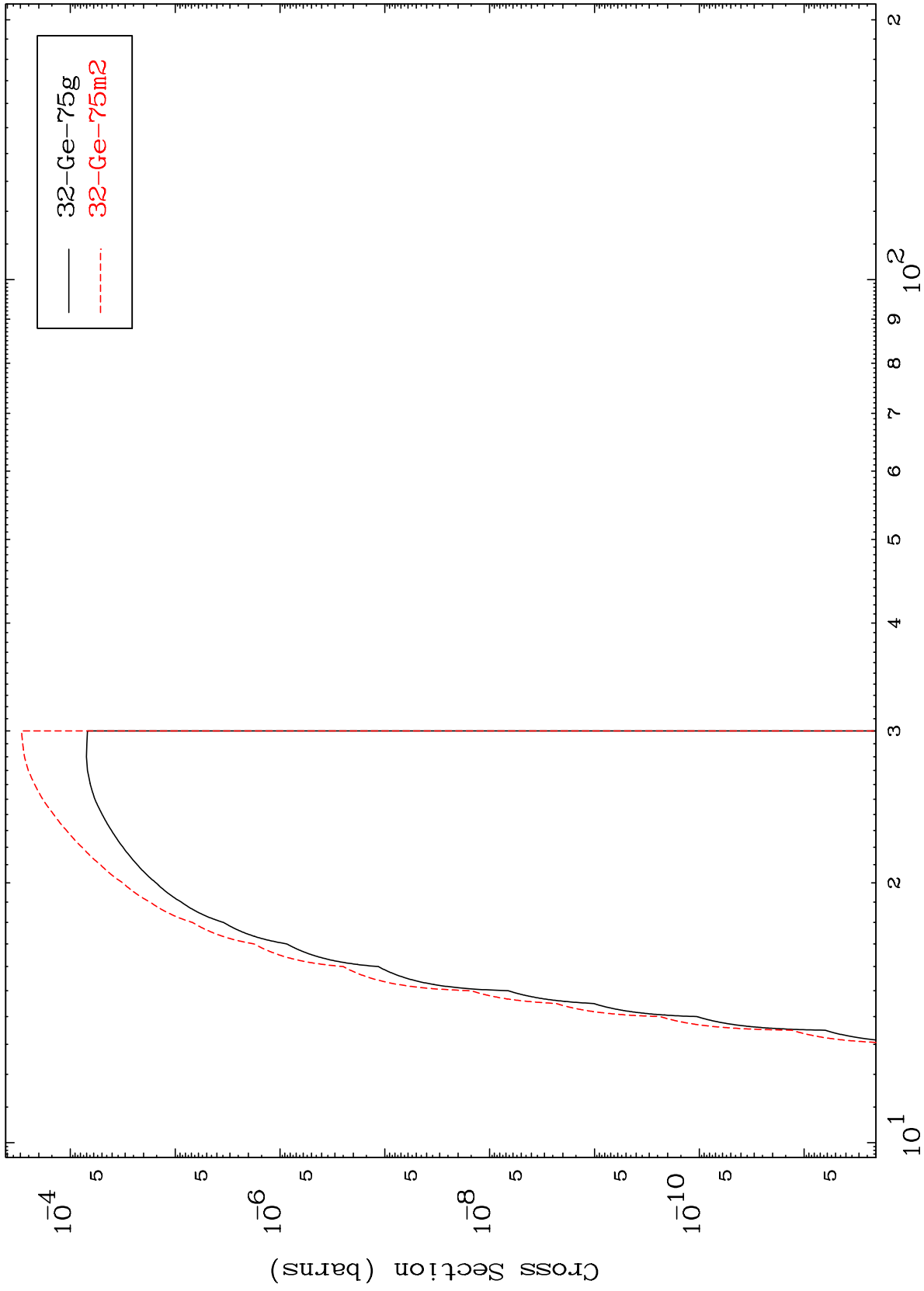
123

³⁴Se-76

MAT 3431

³⁴Se-76

(n,2p)
Radionuclide Production Cross Section



124

Incident Energy (MeV)

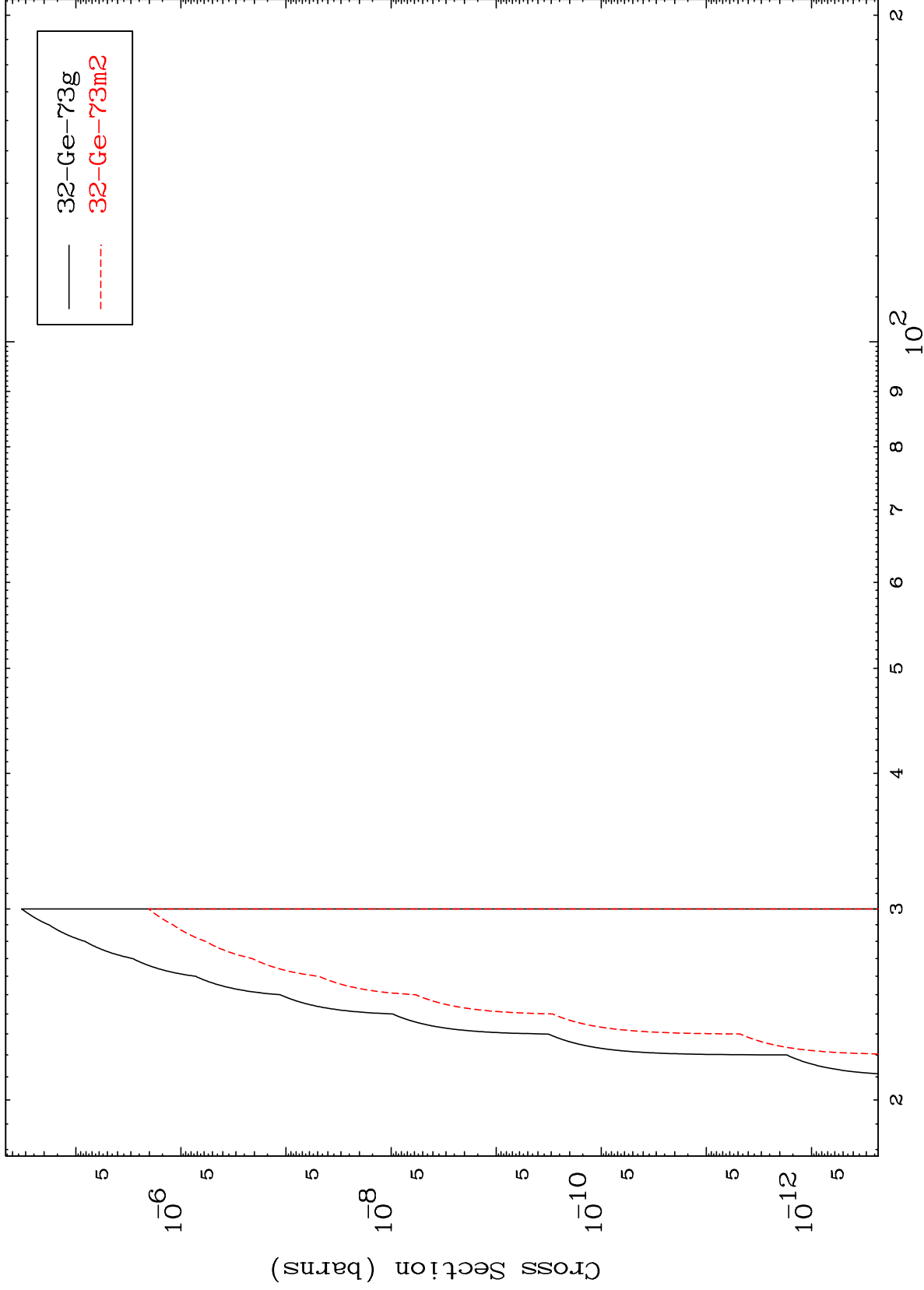
³⁴Se-76

MAT 3431

(n,p) t

³⁴Se-76

Radionuclide Production Cross Section



125

Incident Energy (MeV)

³⁴Se-76