

Program EVALPLOT
(Version 2018-1)

by

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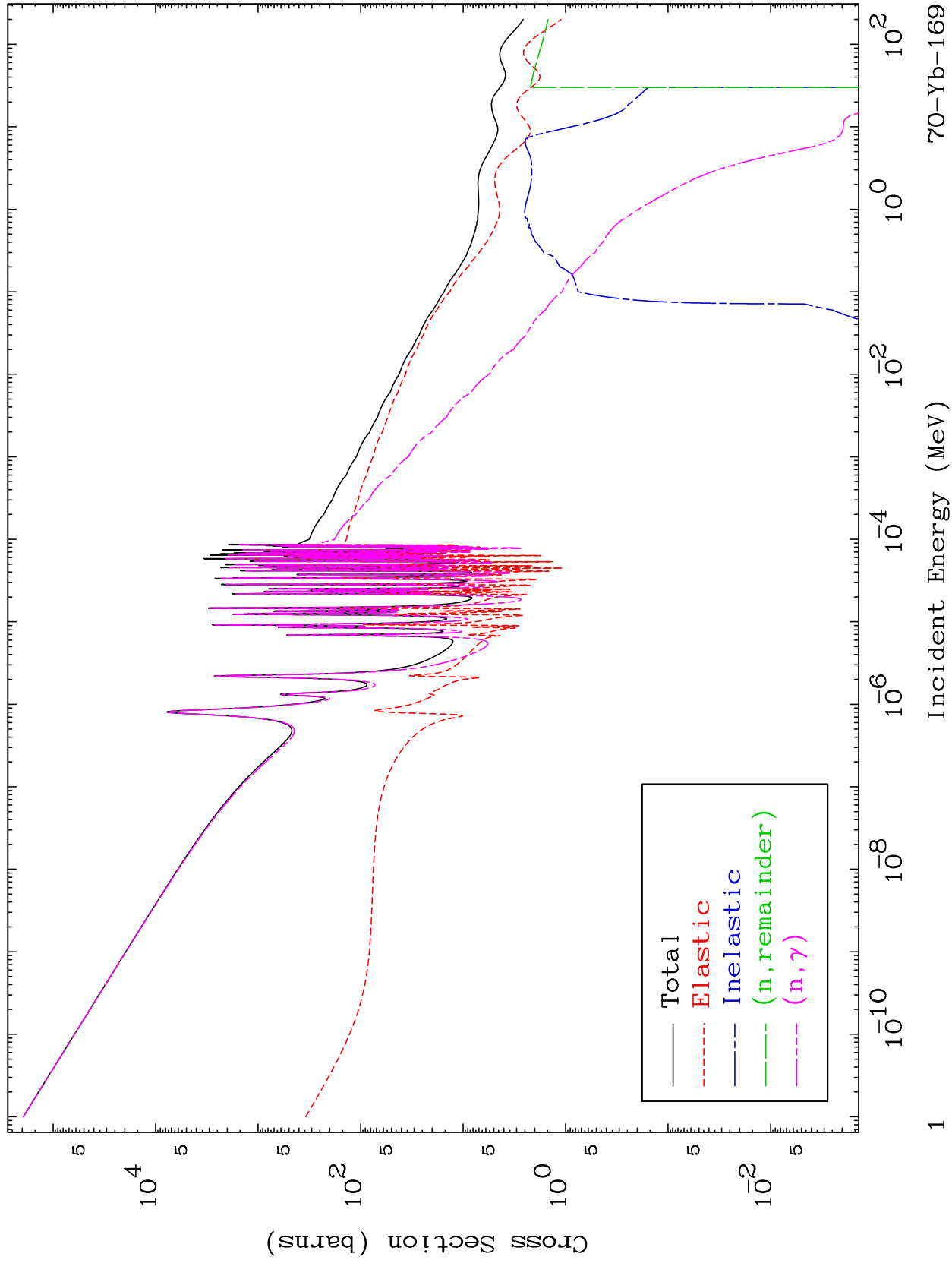
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7028

Major
293 Kelvin Cross Sections

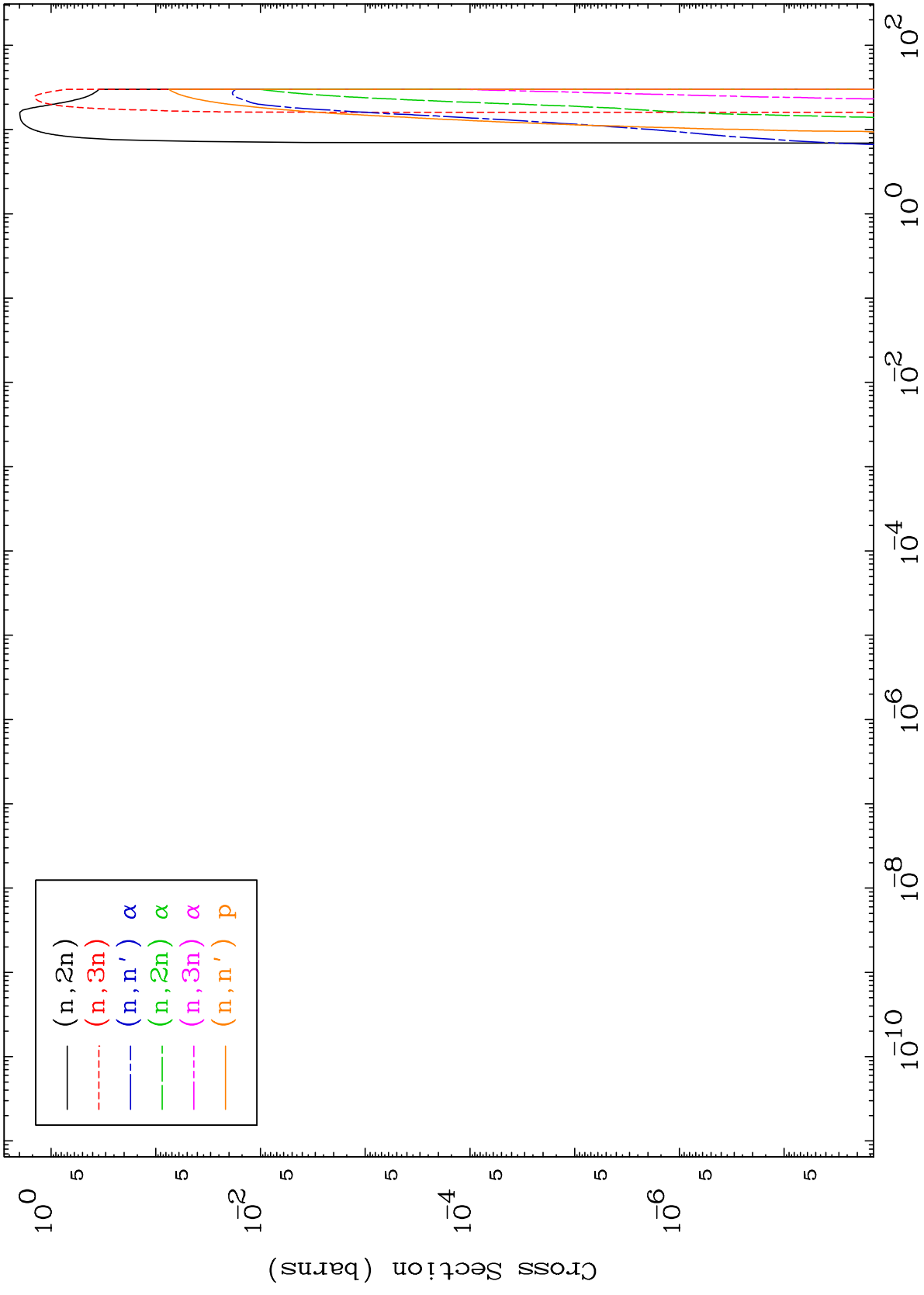
70-Yb-169



MAT 7028

Neutron Production
293 Kelvin Cross Sections

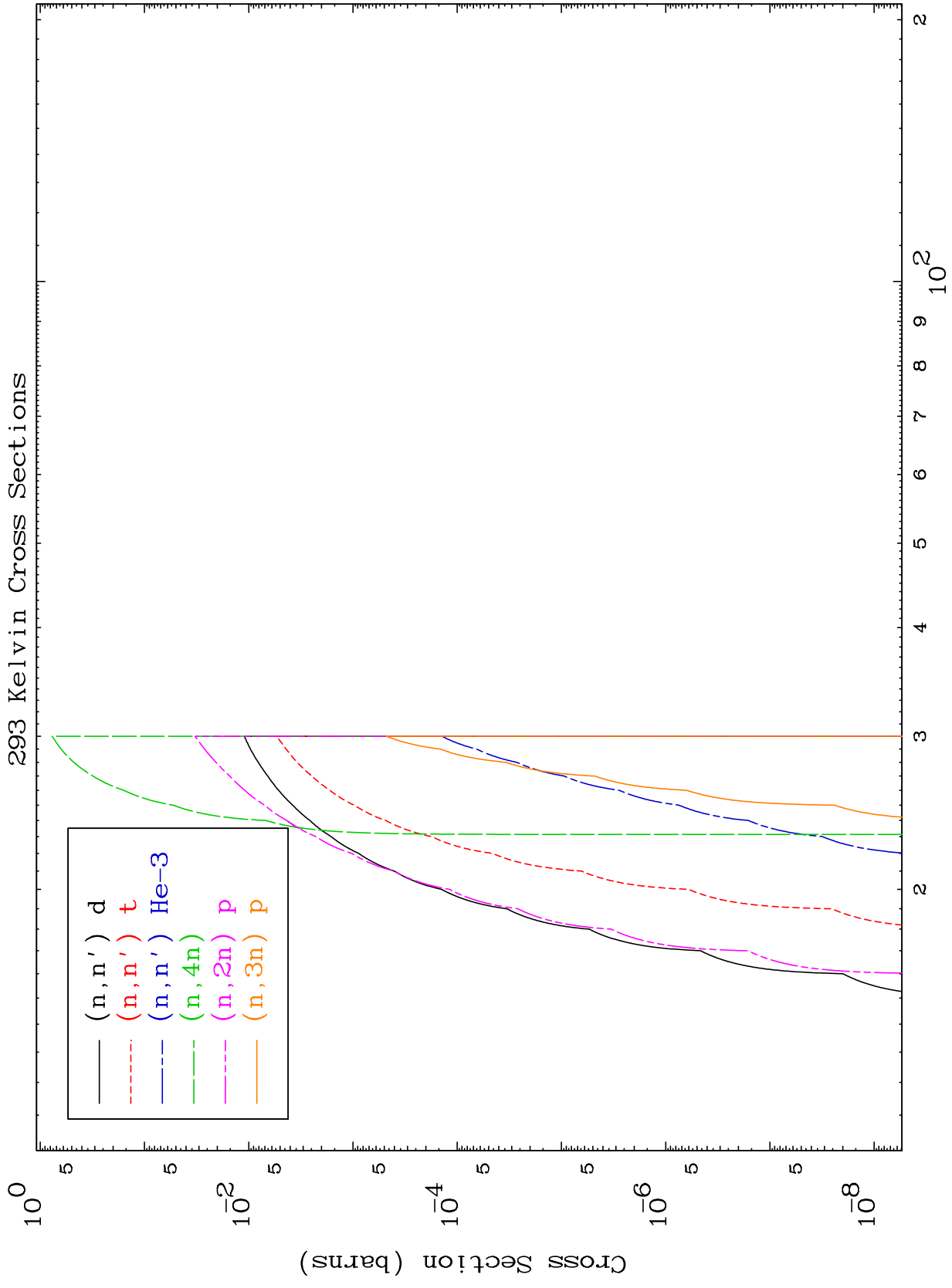
70-Yb-169



2

Incident Energy (MeV)

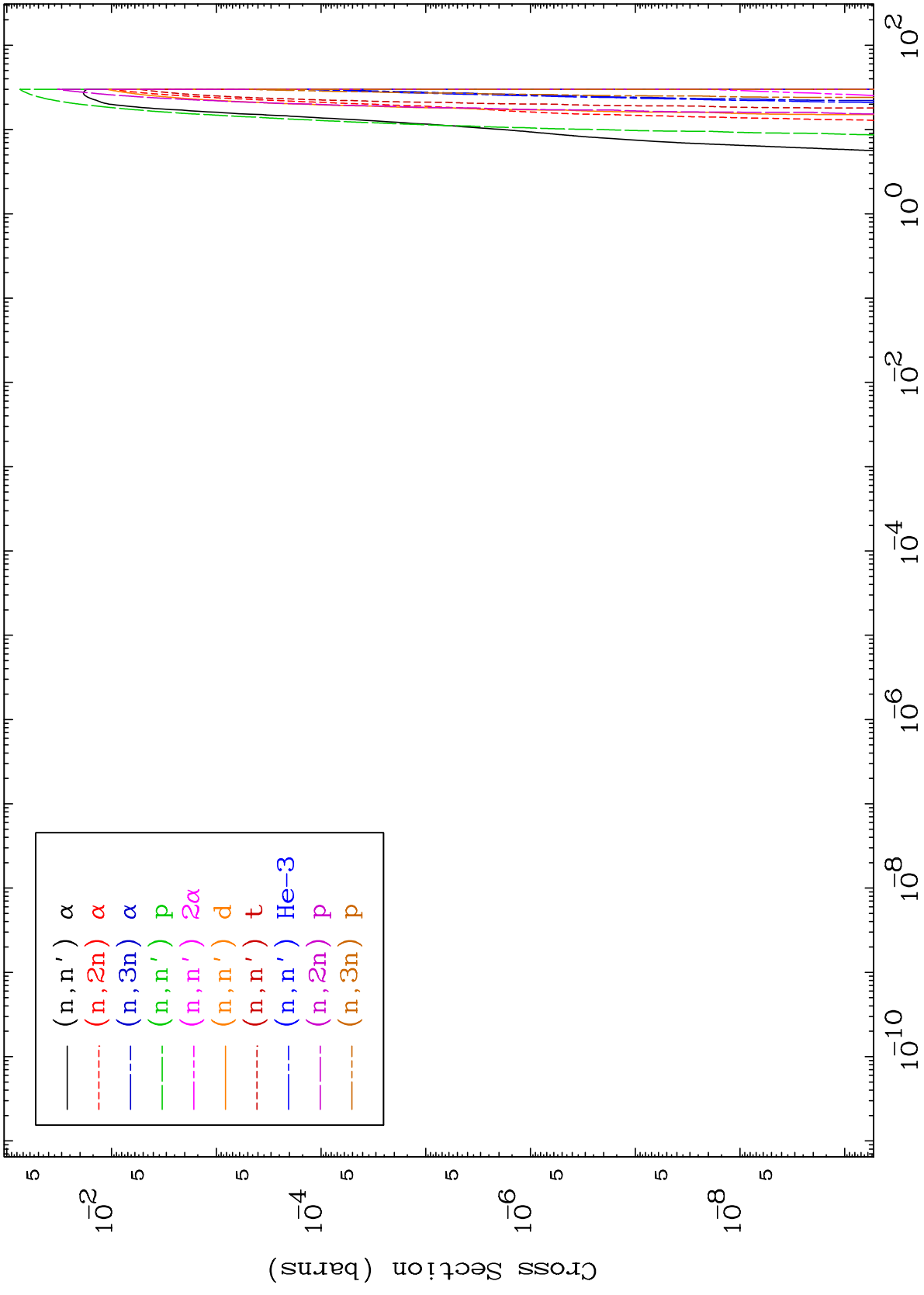
70-Yb-169



MAT 7028

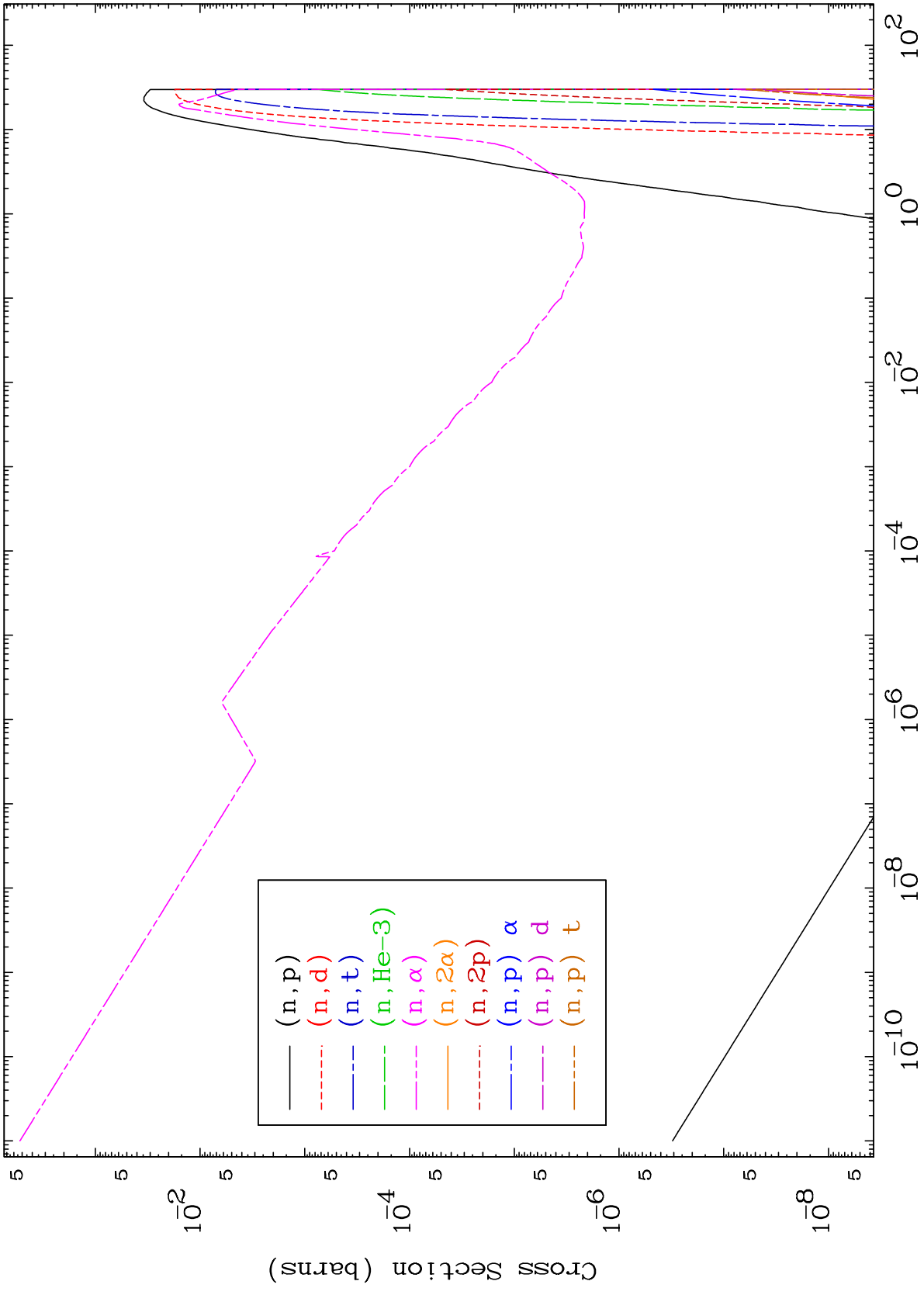
Charged Particle
293 Kelvin Cross Sections

70-Yb-169



70-Yb-169

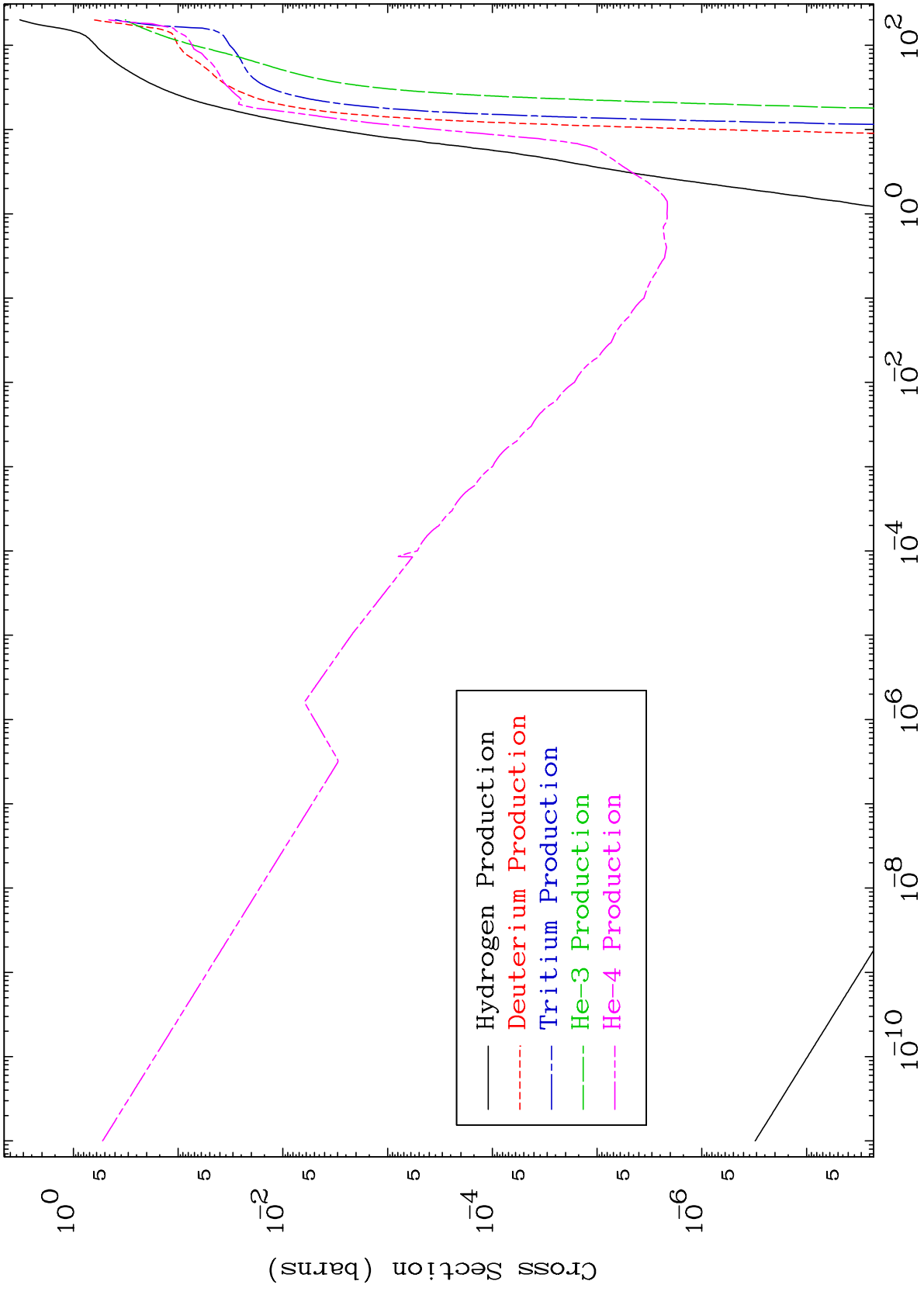
Incident Energy (MeV)



MAT 7028

Particle Production
293 Kelvin Cross Sections

70-Yb-169



6

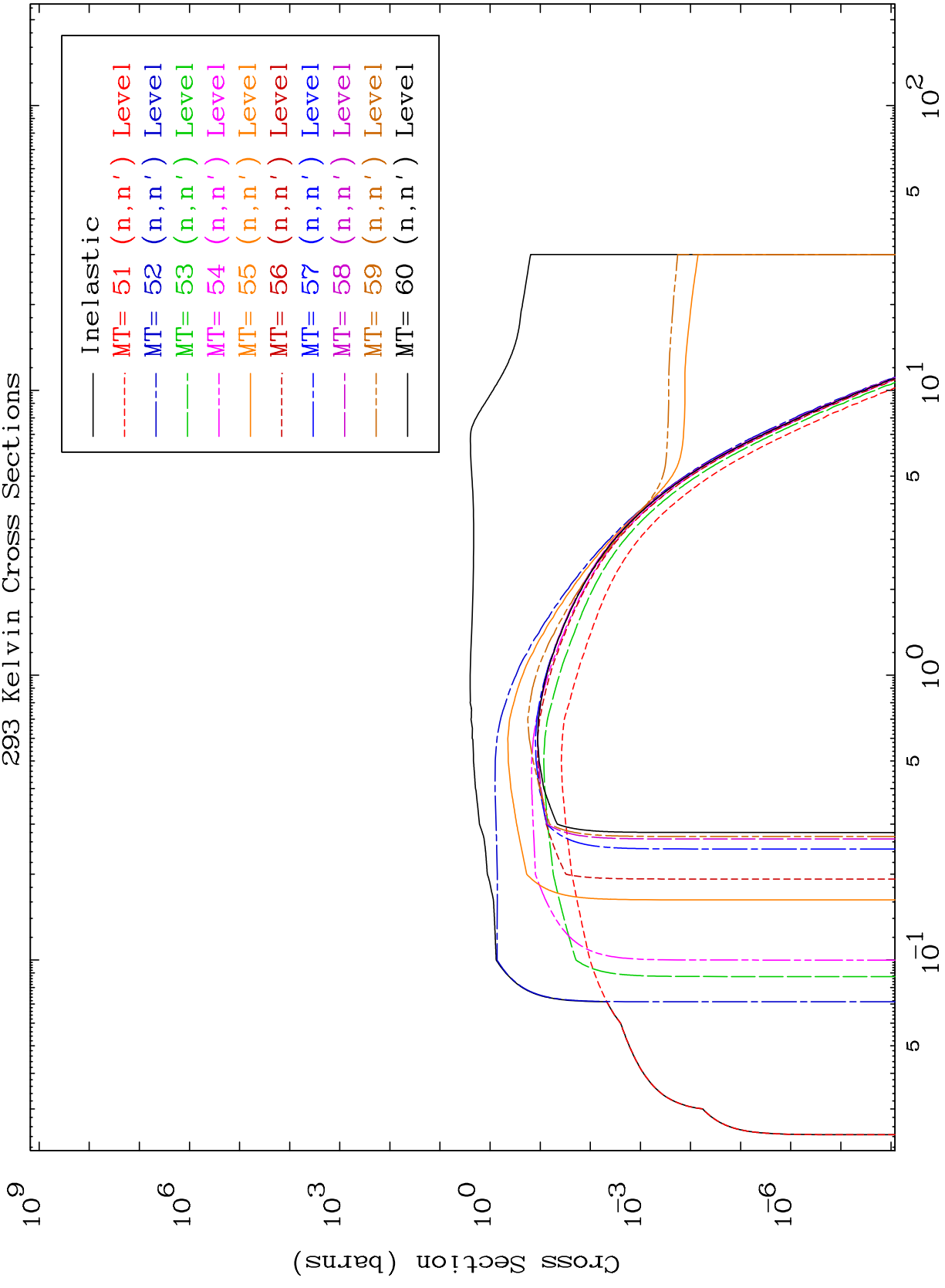
70-Yb-169

MAT 7028

(n,n') Level

70-Yb-169

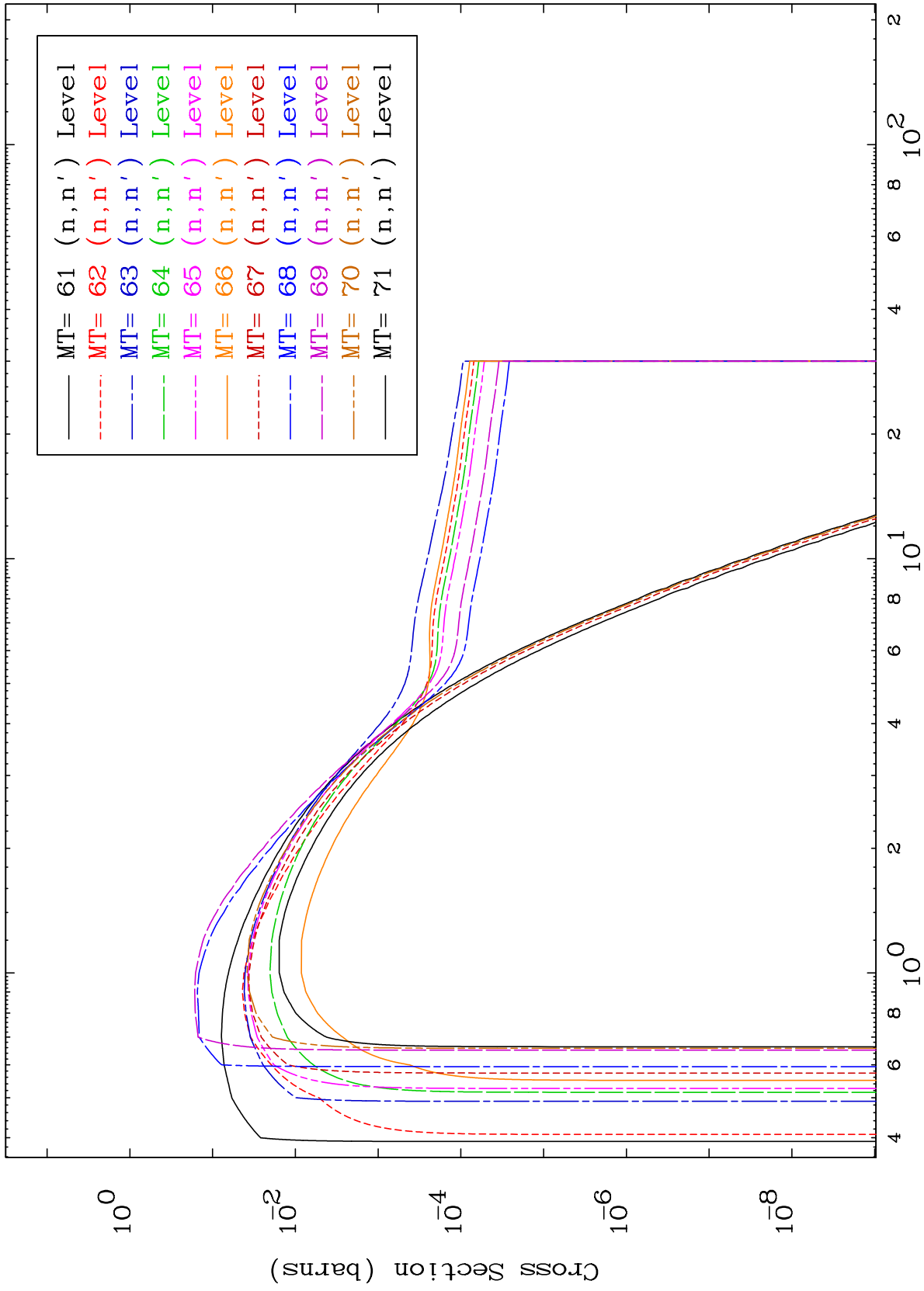
293 Kelvin Cross Sections



MAT 7028

(n,n') Level
293 Kelvin Cross Sections

70-Yb-169



8

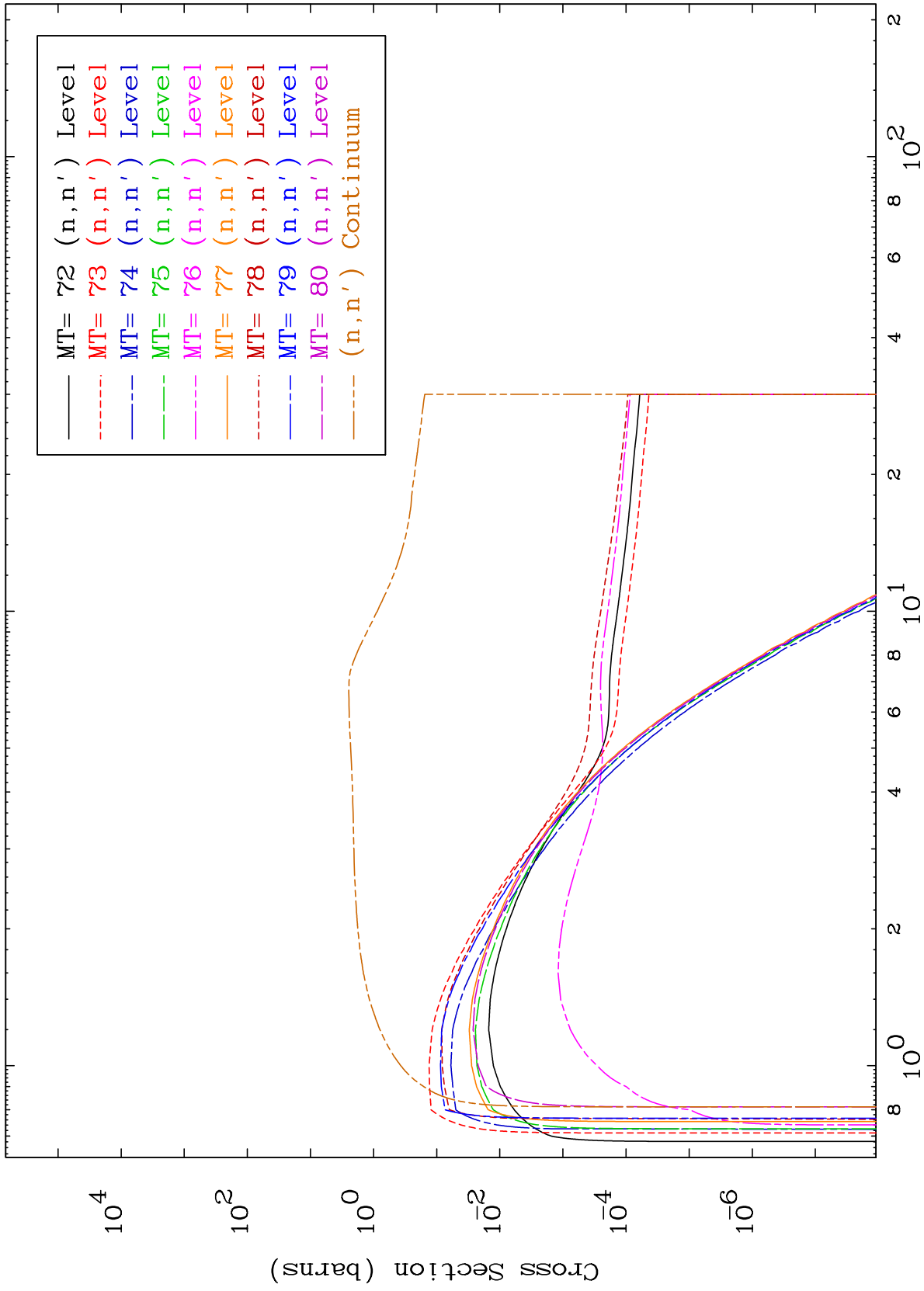
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,n') Level
293 Kelvin Cross Sections

70-Yb-169



9

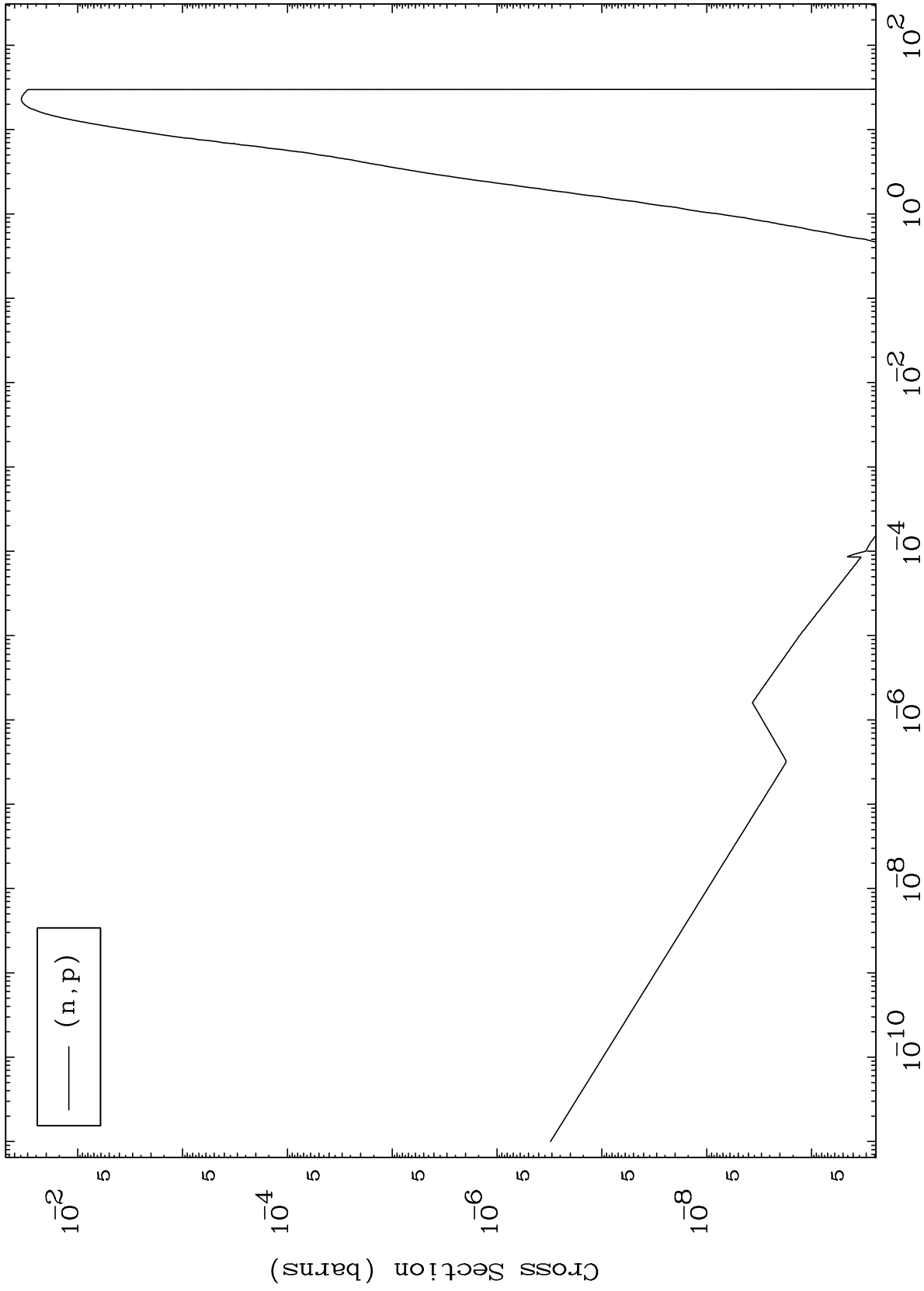
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-169



10

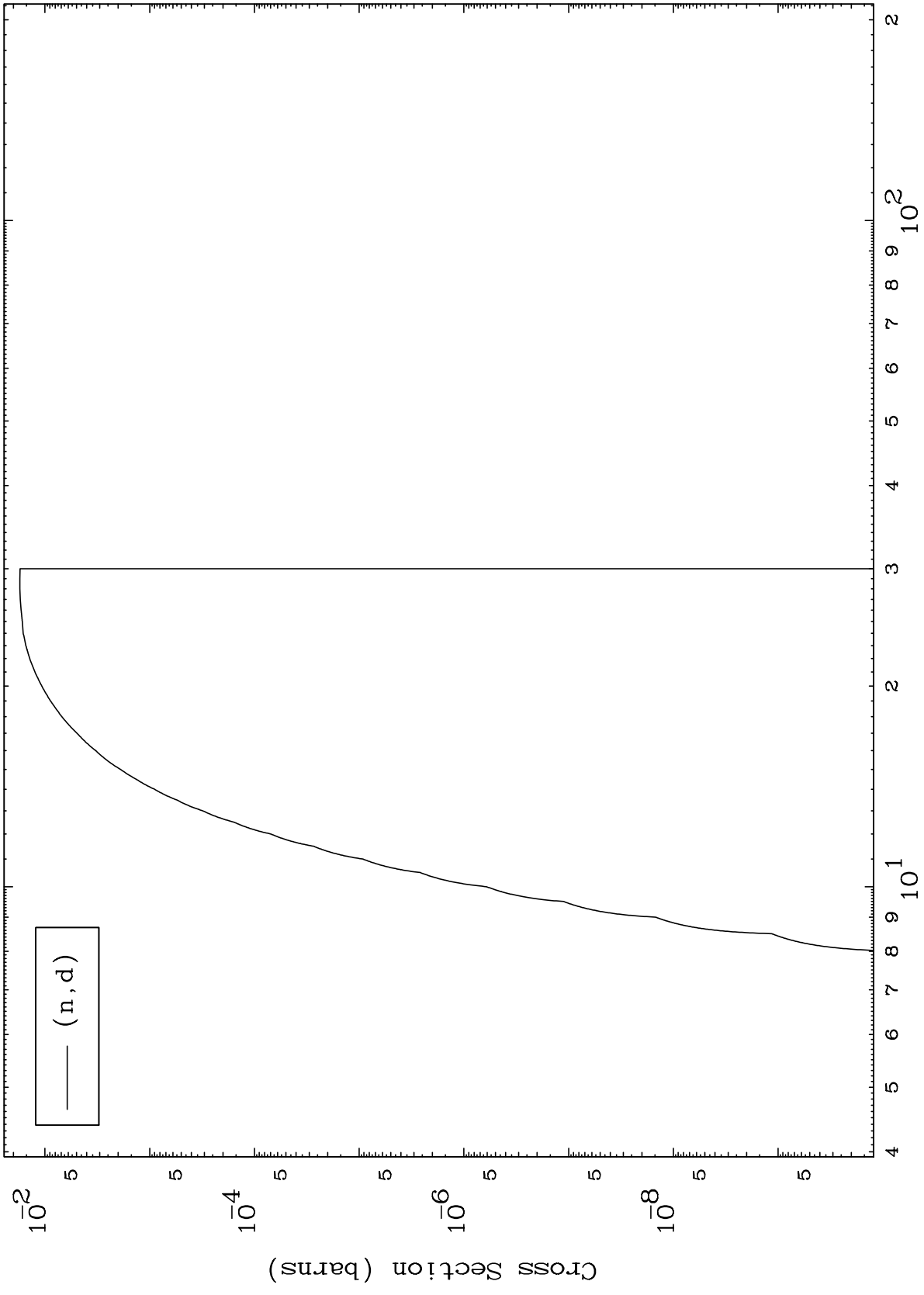
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-169



11

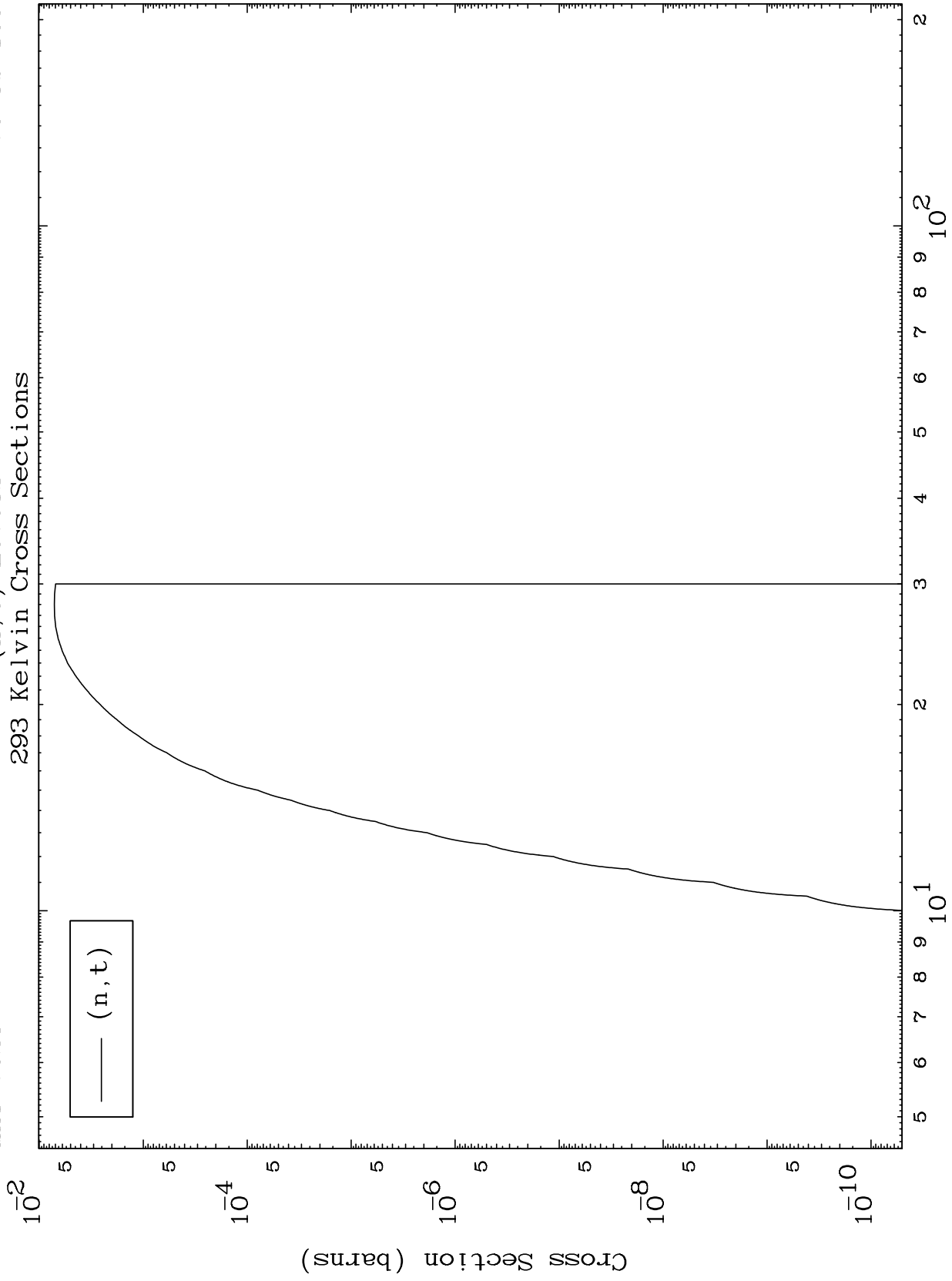
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-169



12

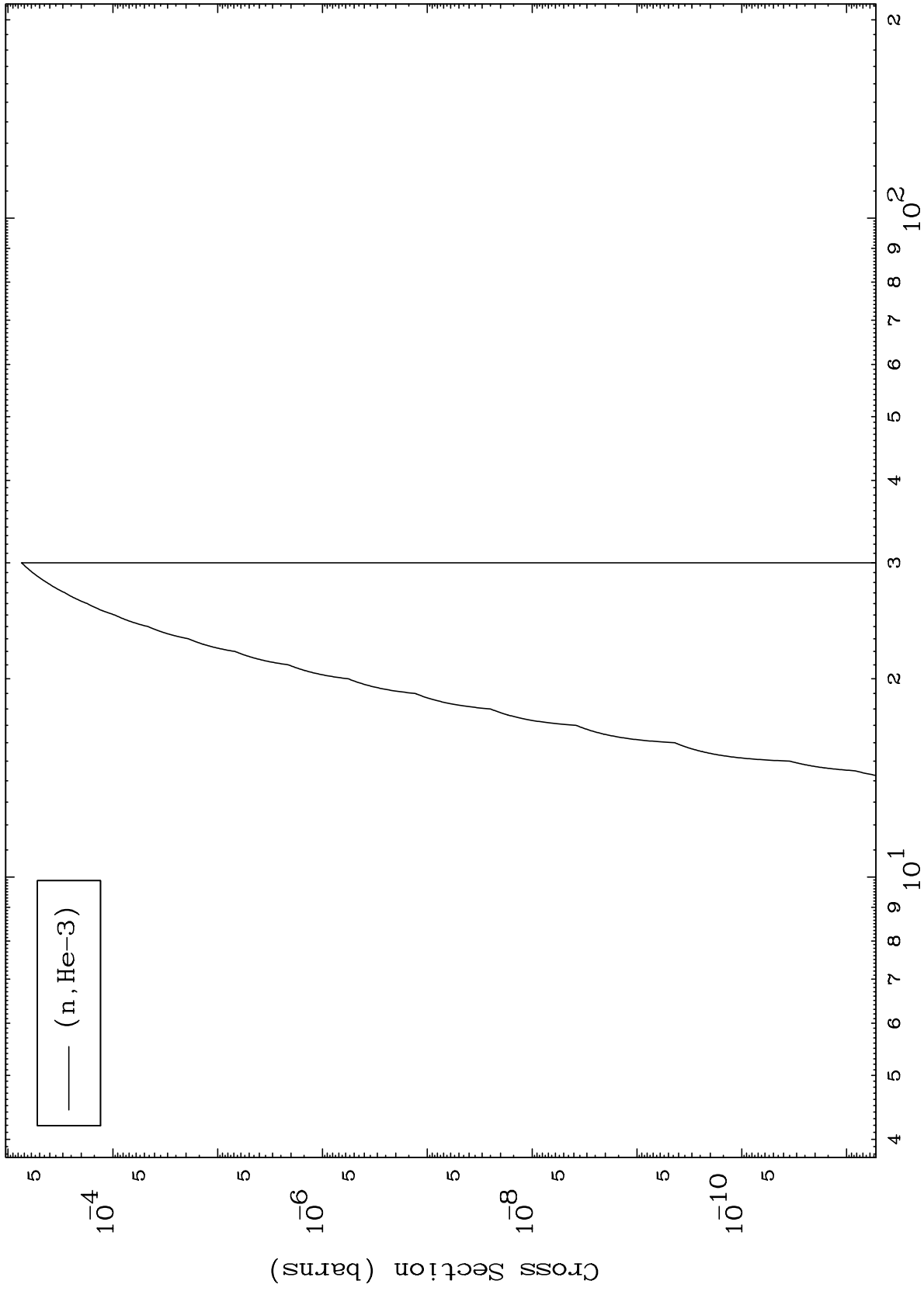
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-169



13

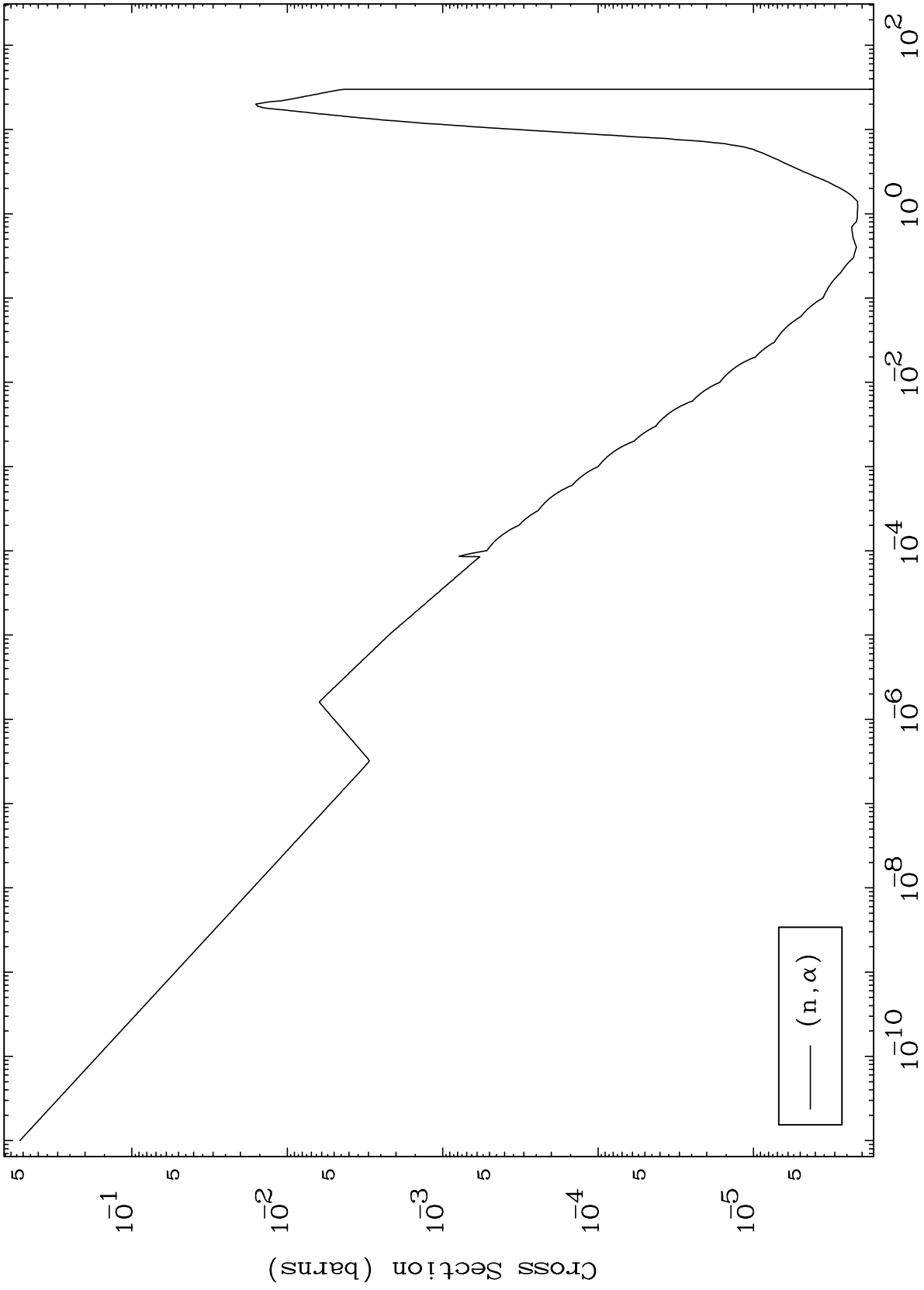
Incident Energy (MeV)

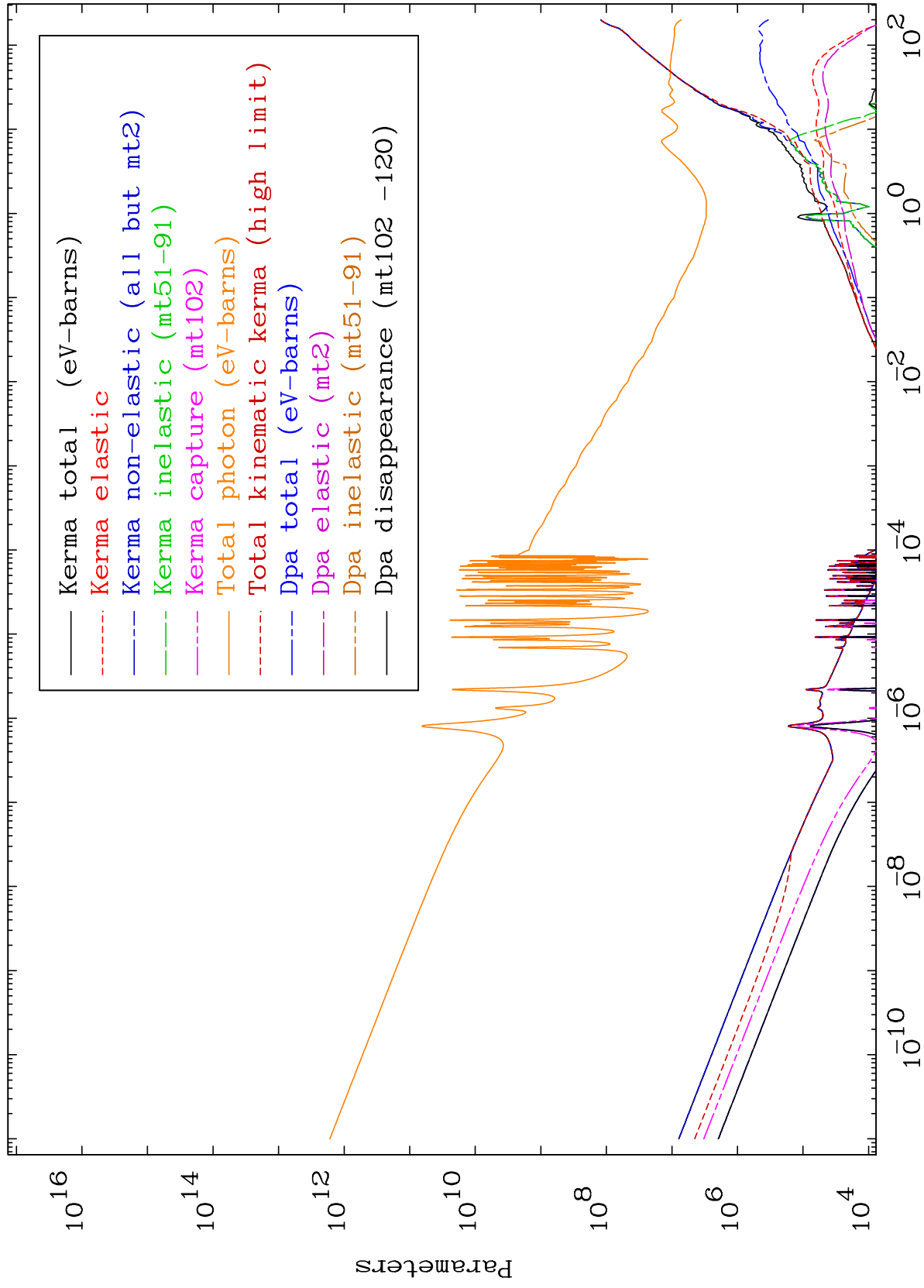
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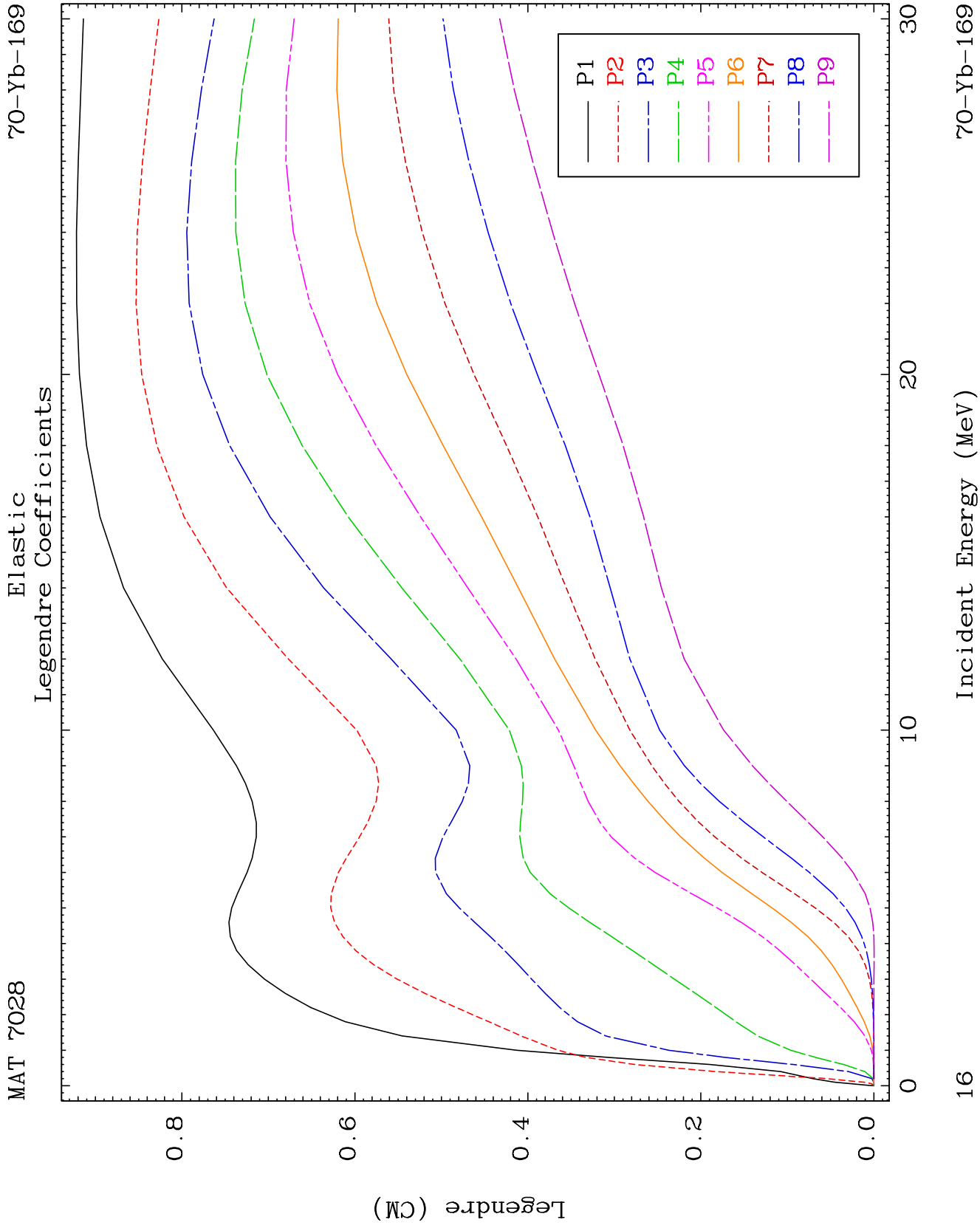
MAT 7028

(n,α) Levels
293 Kelvin Cross Sections

70-Yb-169



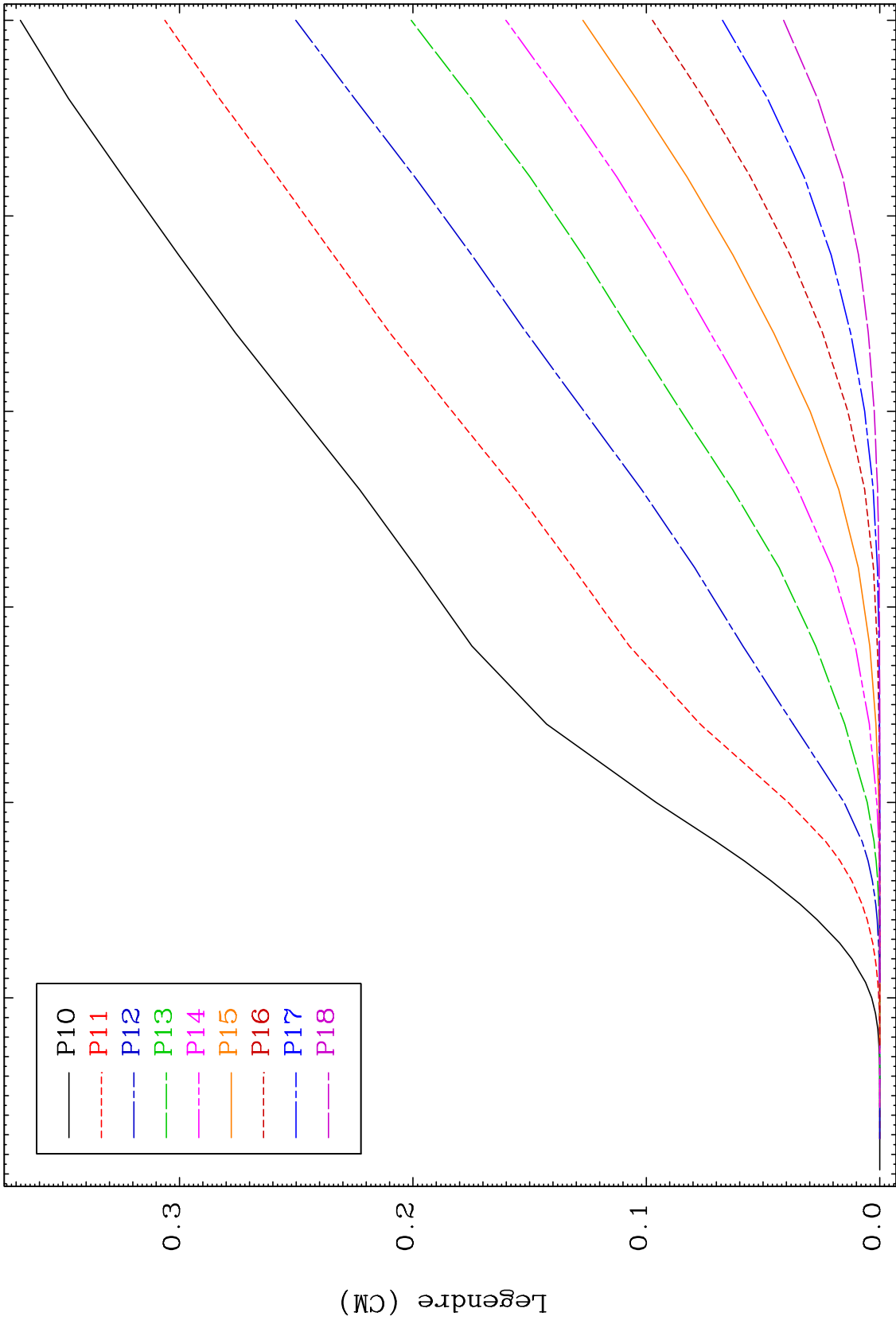




MAT 7028

Elastic Legendre Coefficients

70-Yb-169



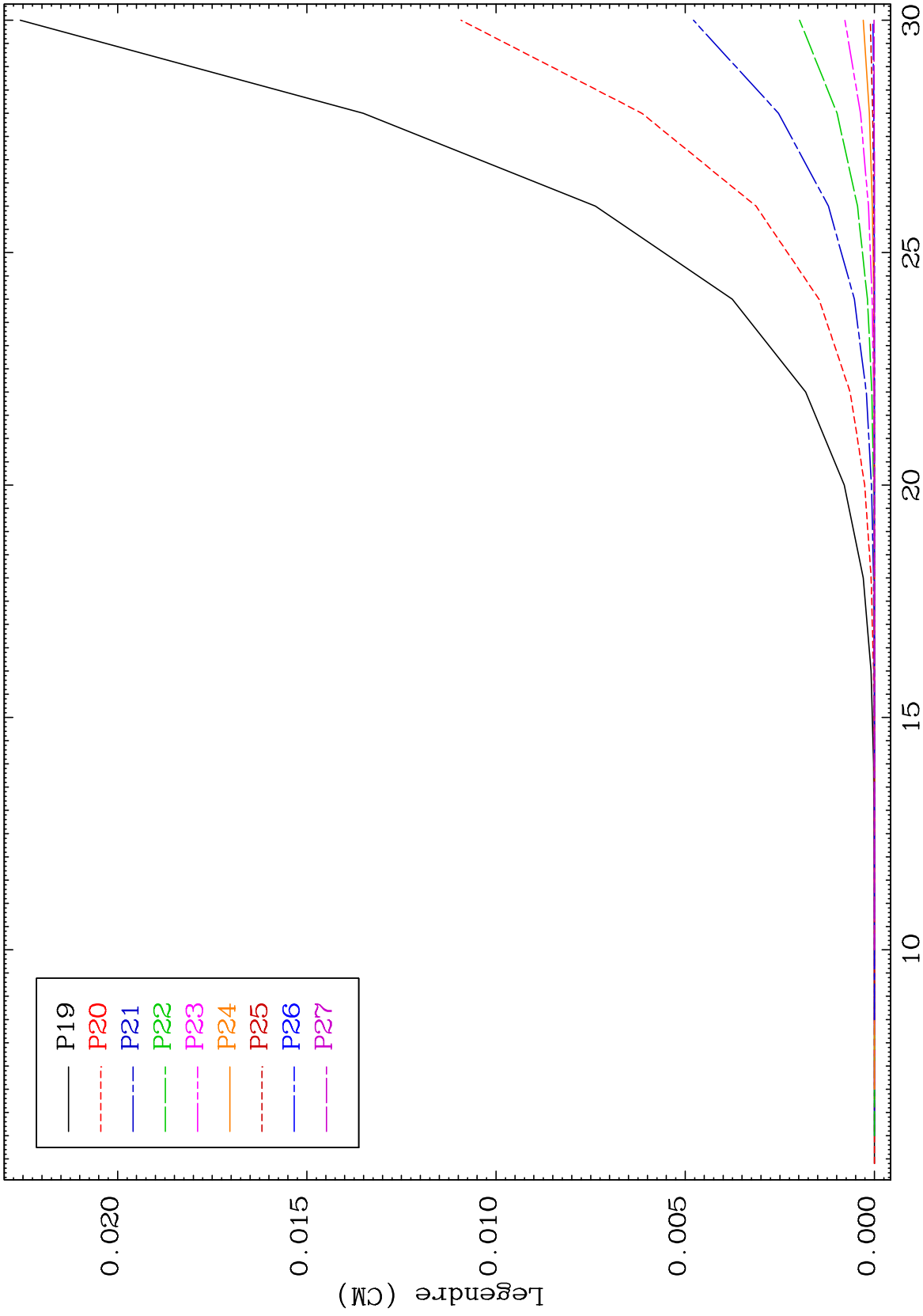
17

70-Yb-169

MAT 7028

Elastic Legendre Coefficients

70-Yb-169



18

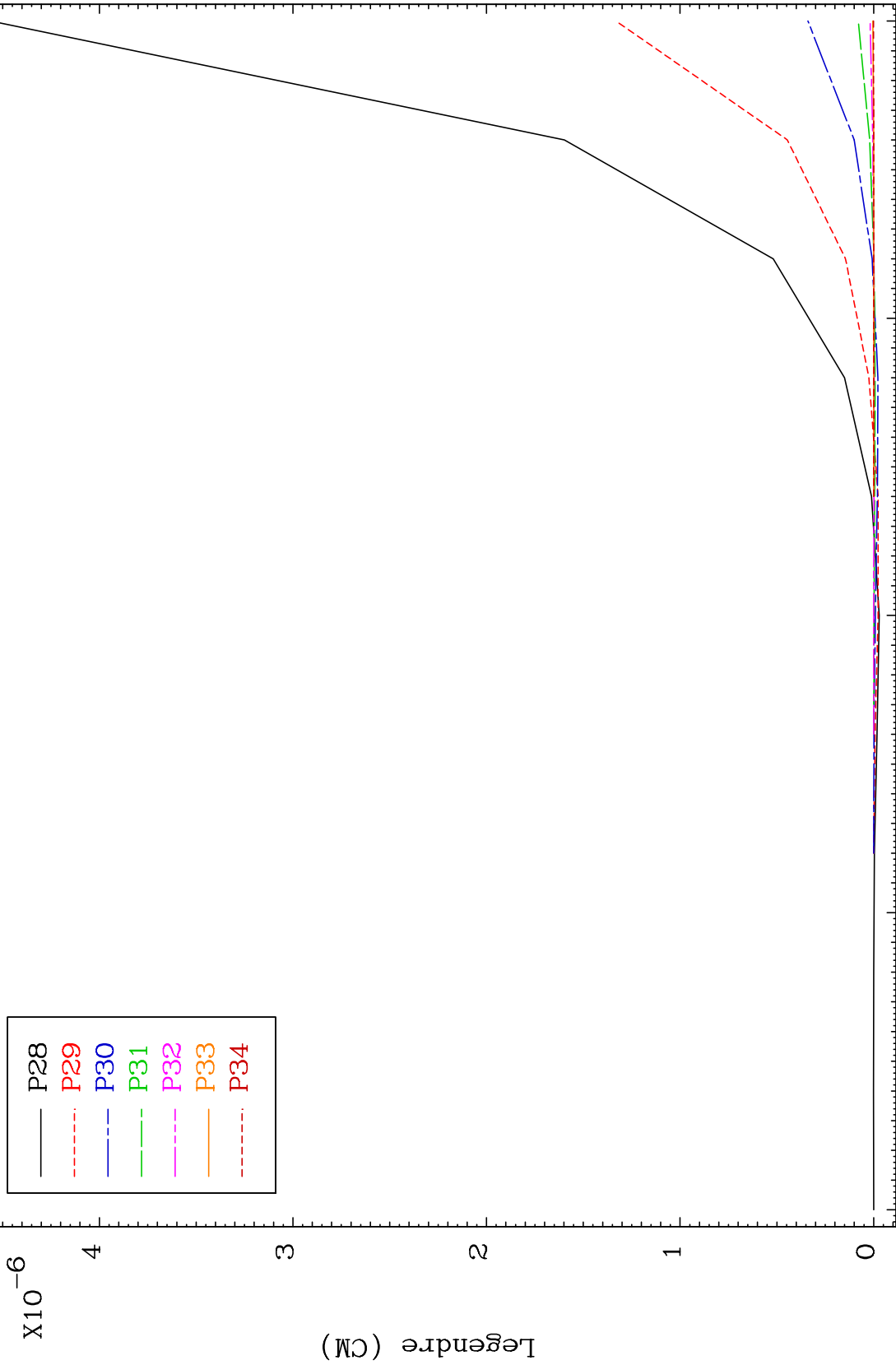
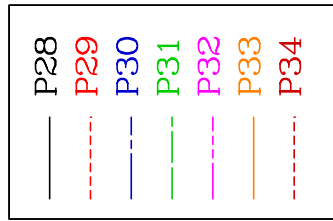
Incident Energy (MeV)

70-Yb-169

MAT 7028

Elastic Legendre Coefficients

70-Yb-169

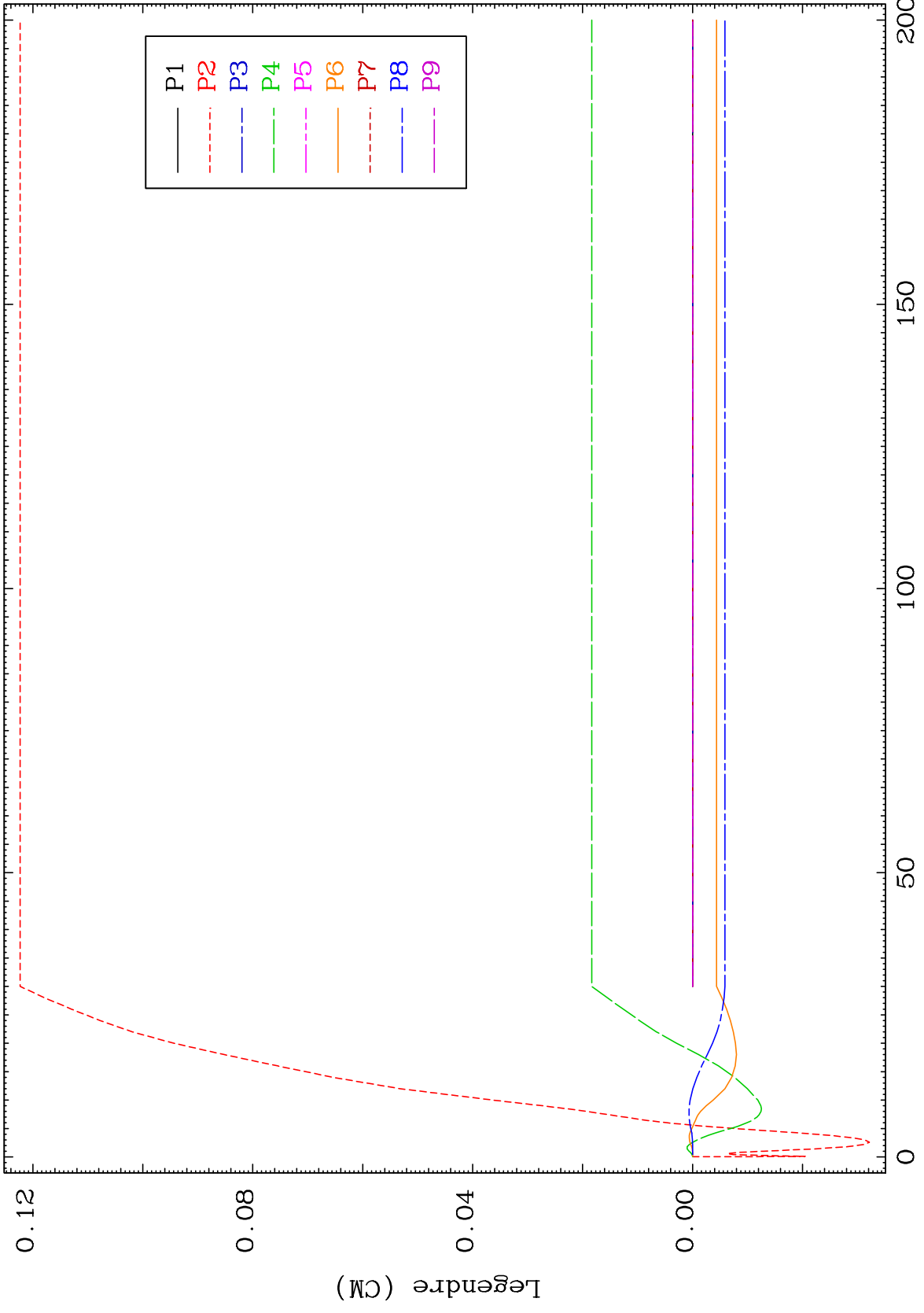


19

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-169

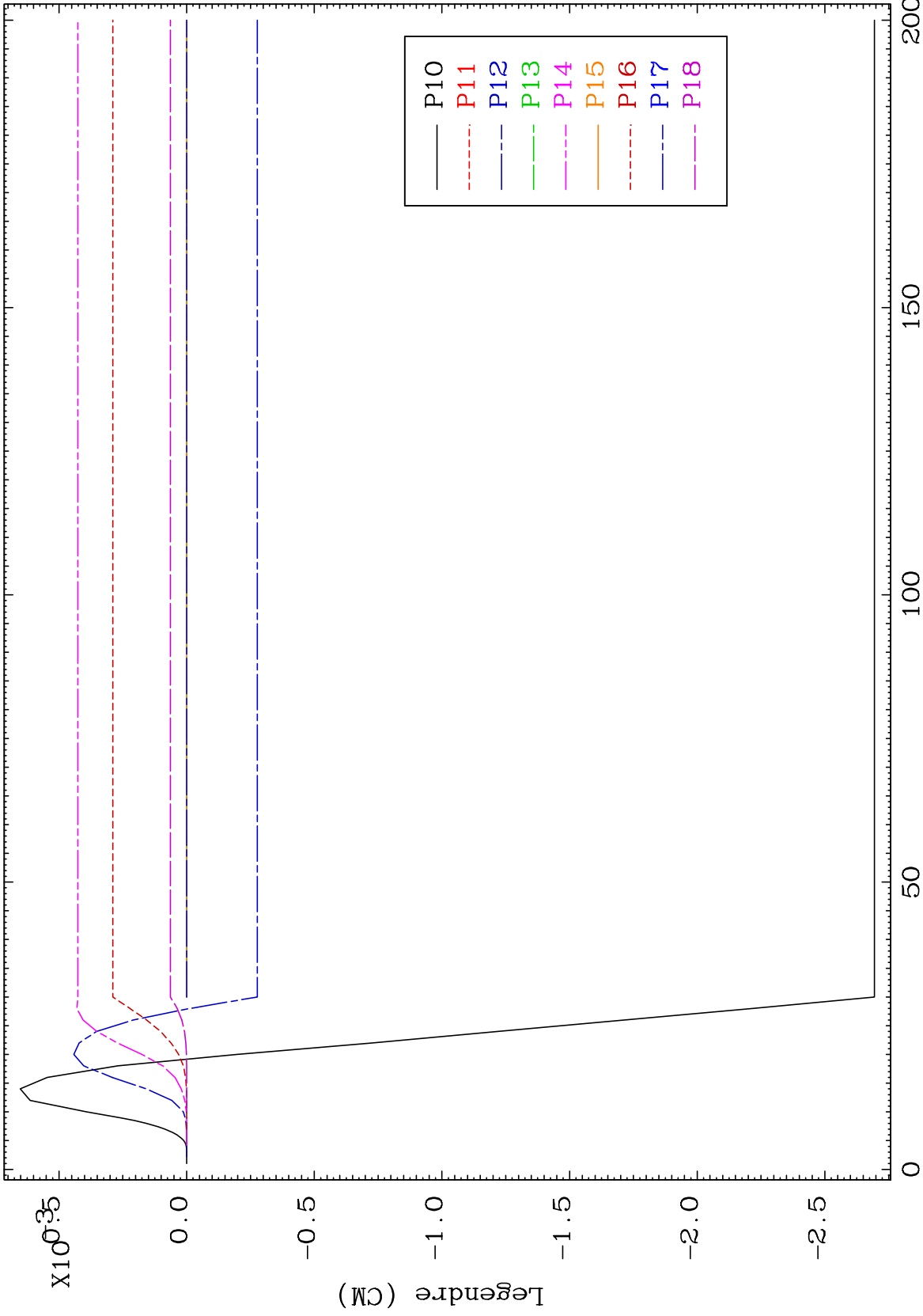


Legendre (CM) Incident Energy (MeV) 70-Yb-169

MAT 7028

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

70-Yb-169



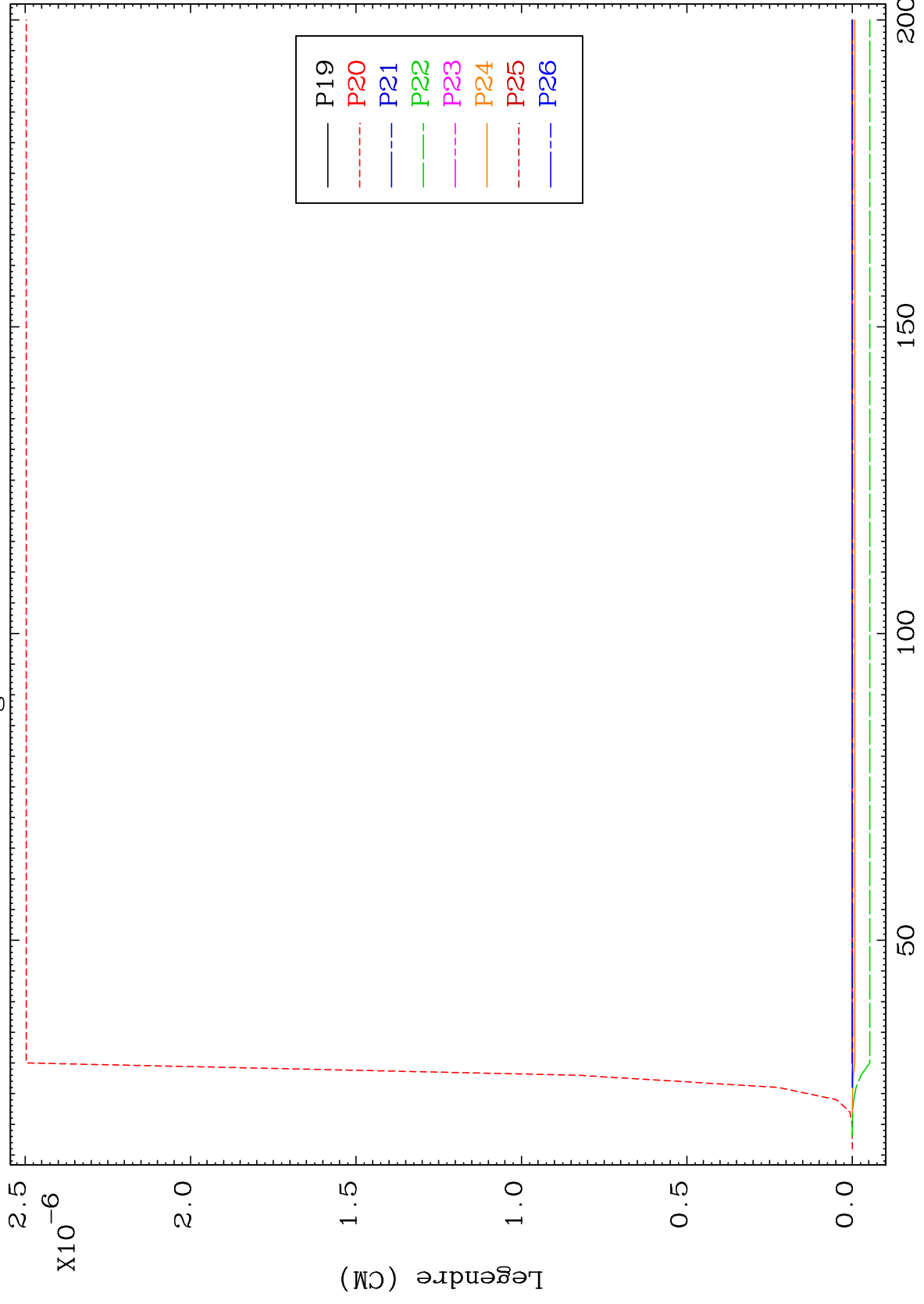
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70-Yb-169

MAT 7028

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

70-Yb-169

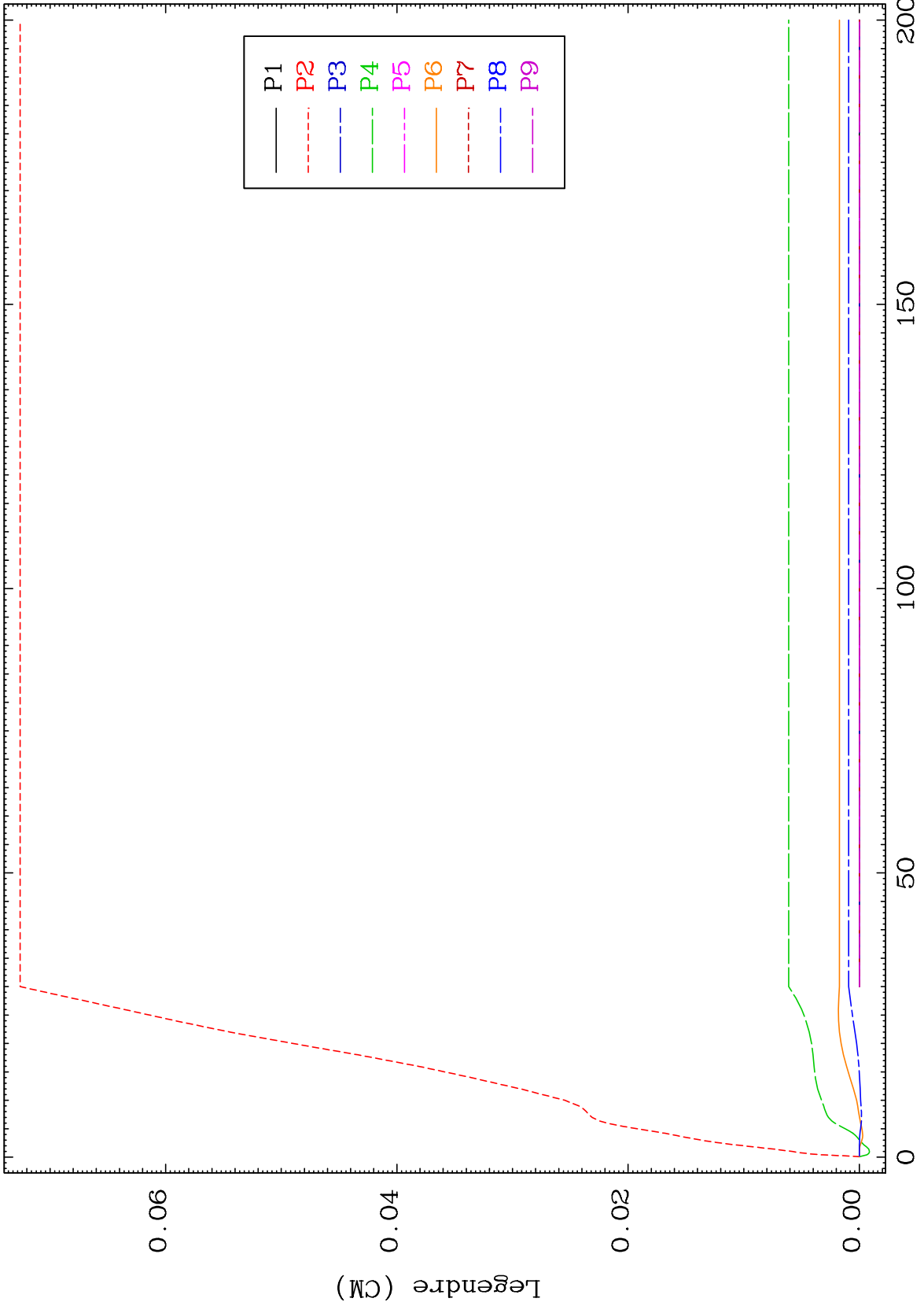


22

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-169

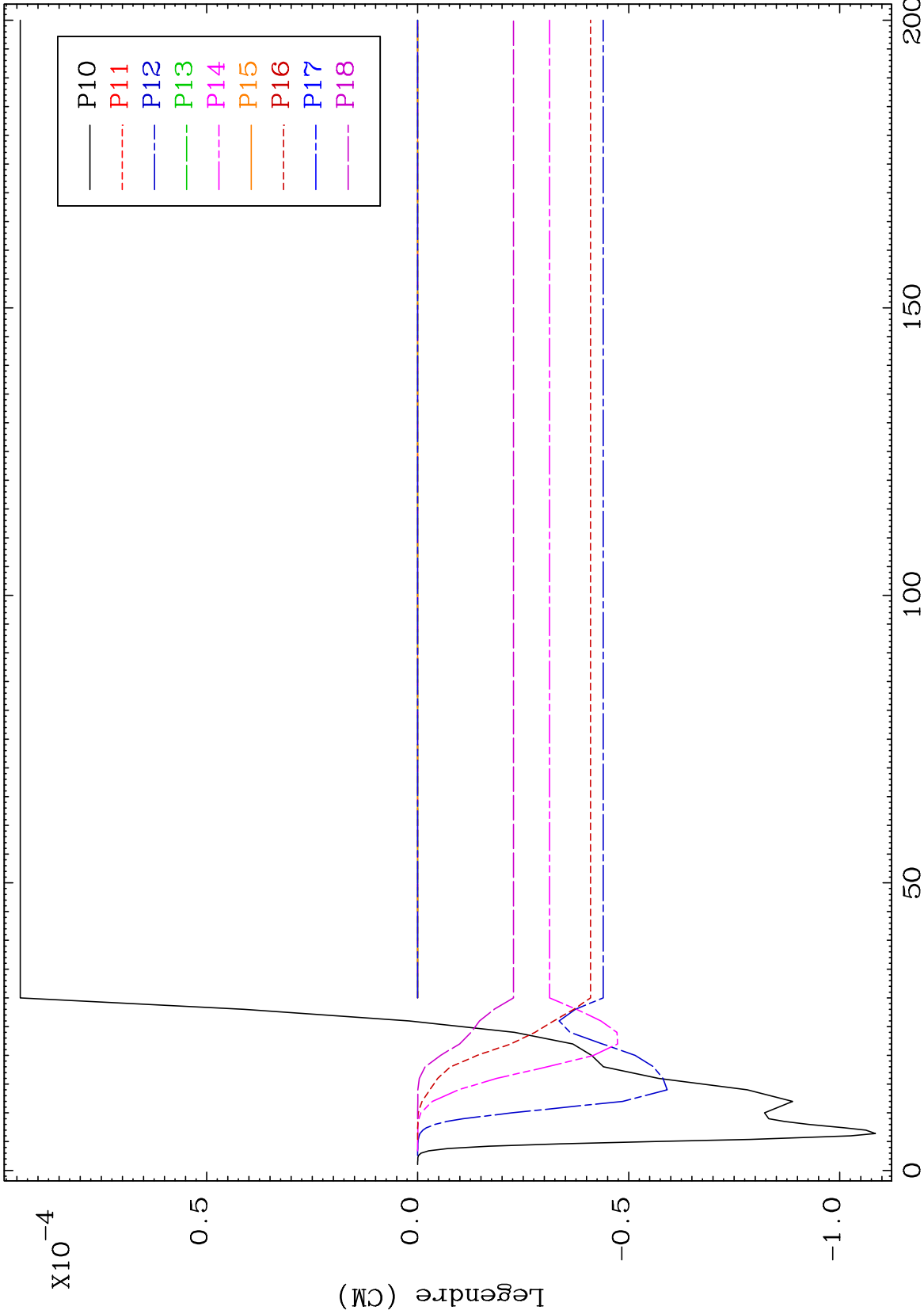


23 70-Yb-169

MAT 7028

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

70-Yb-169



24

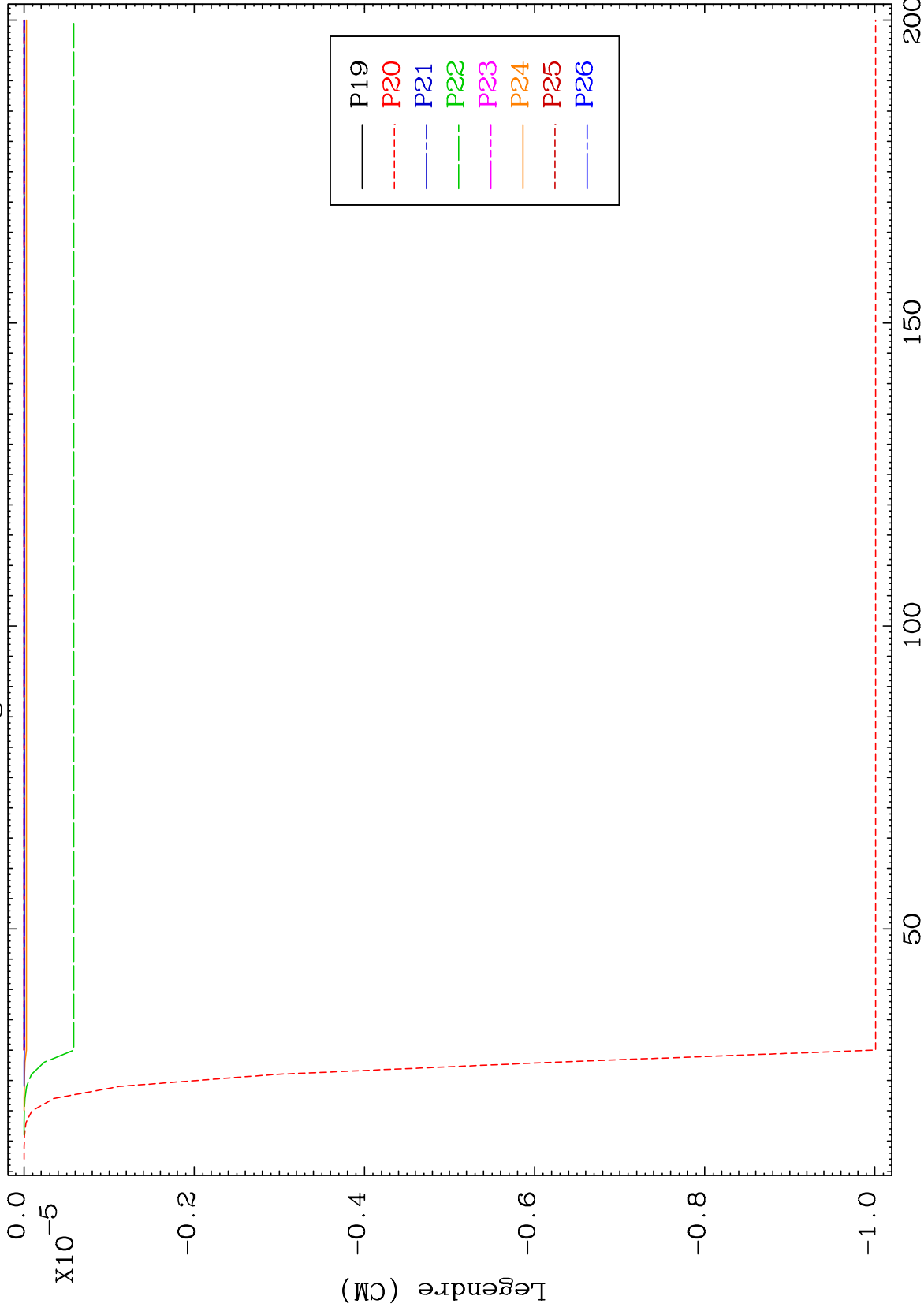
Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 52 (n,n') Level

Legendre Coefficients

70-Yb-169



70-Yb-169

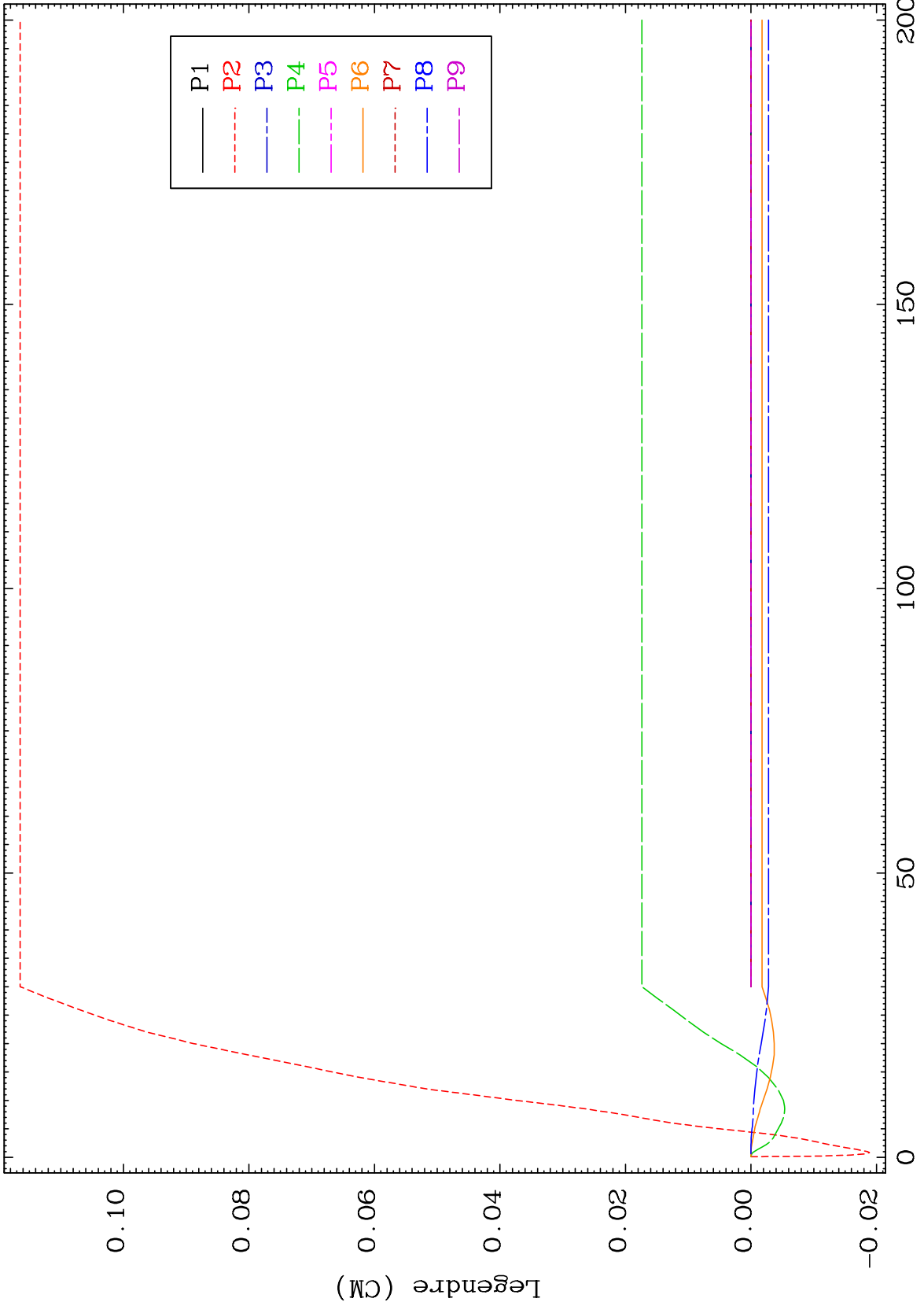
Incident Energy (MeV)

25

MAT 7028

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

70-Yb-169



26

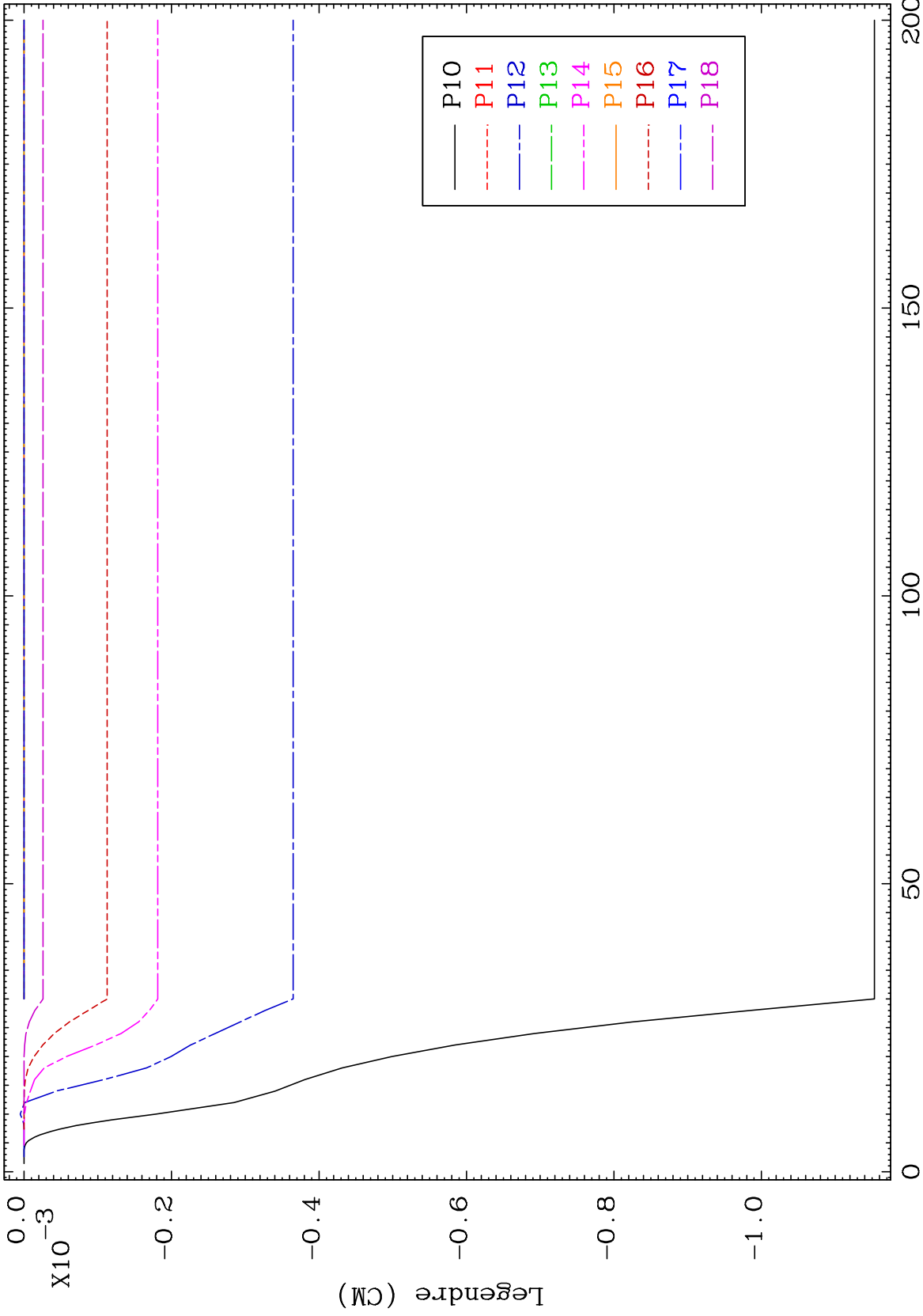
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



27

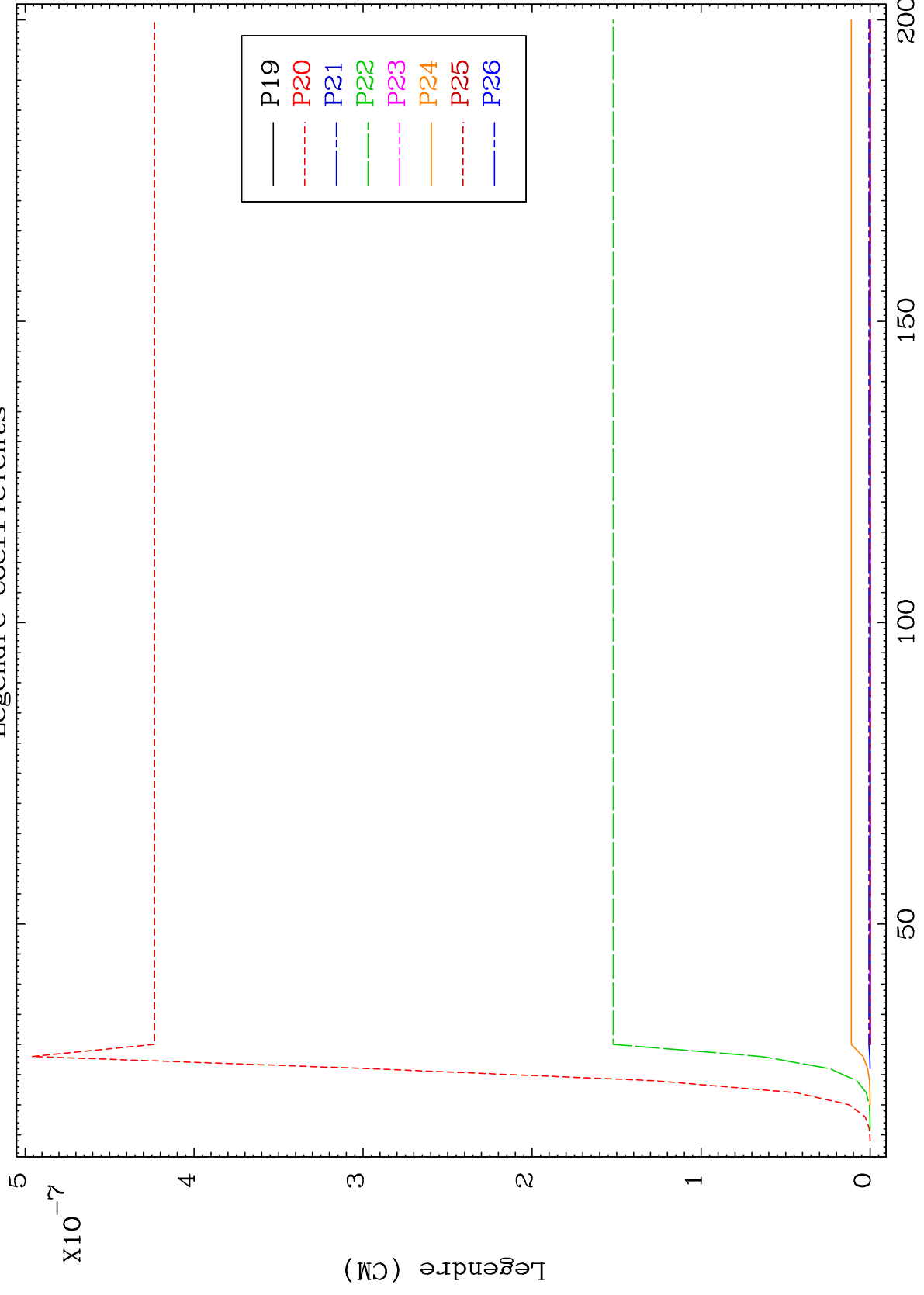
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



28

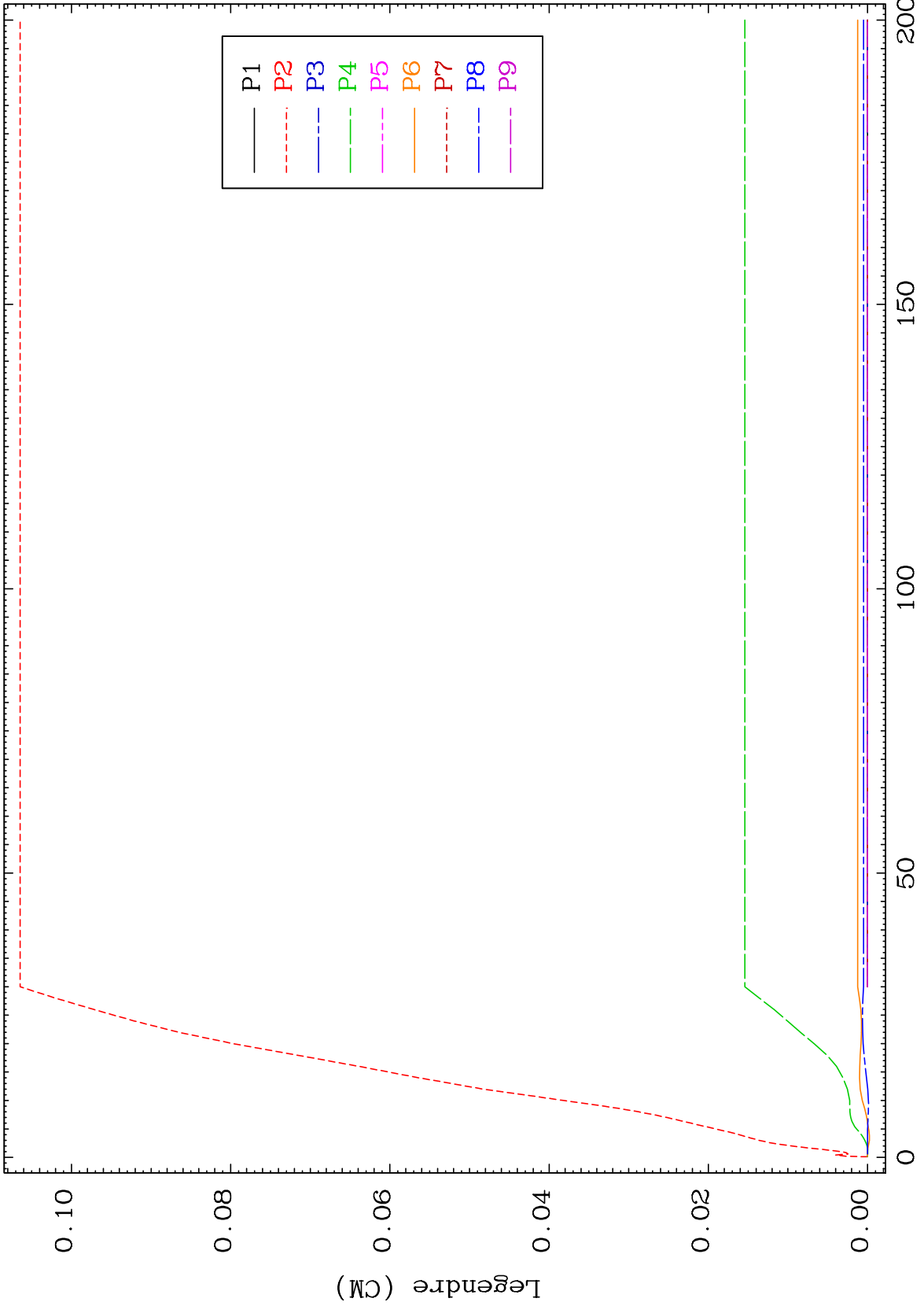
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



29

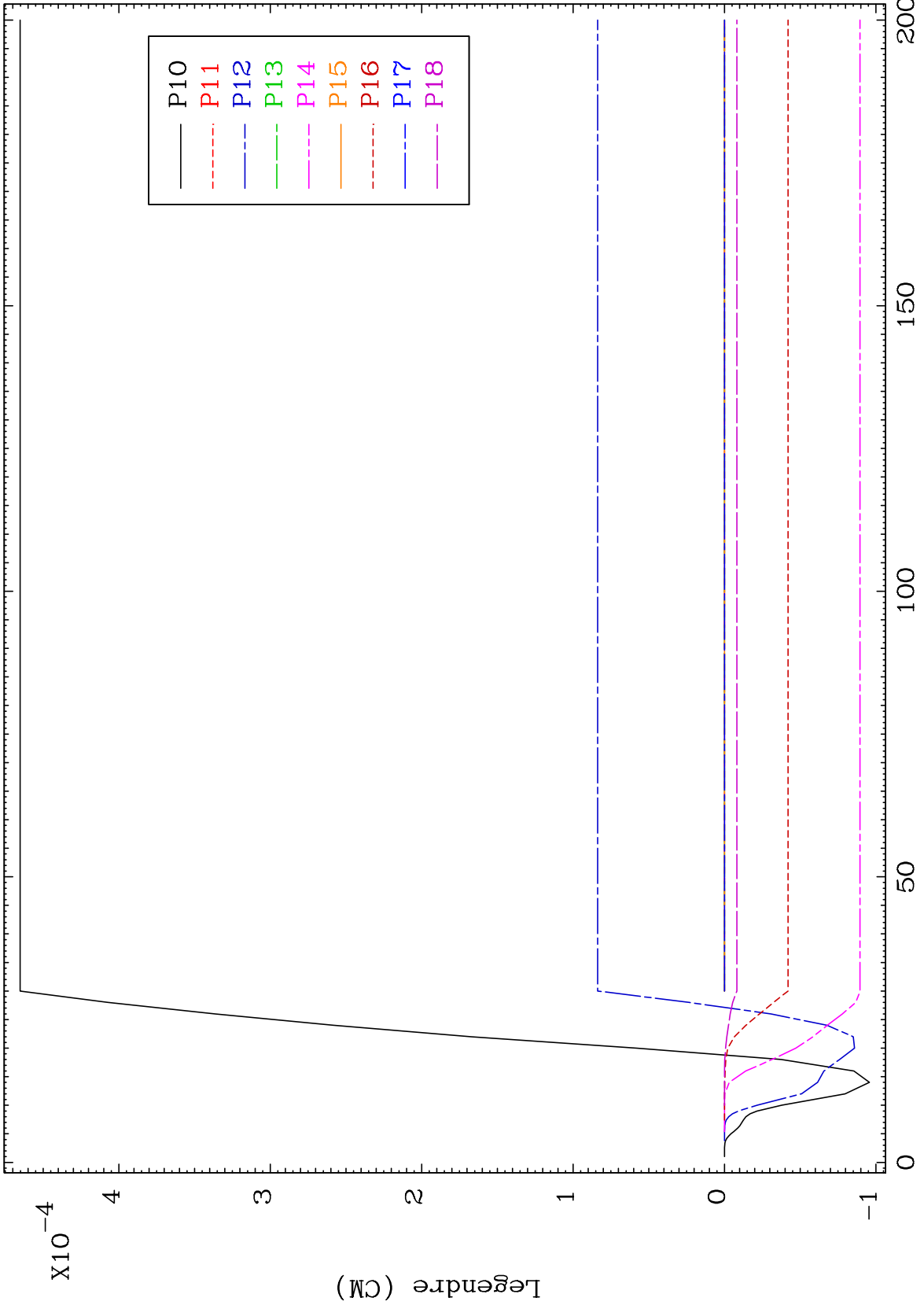
Incident Energy (MeV)

70-Yb-169

MAT 7028

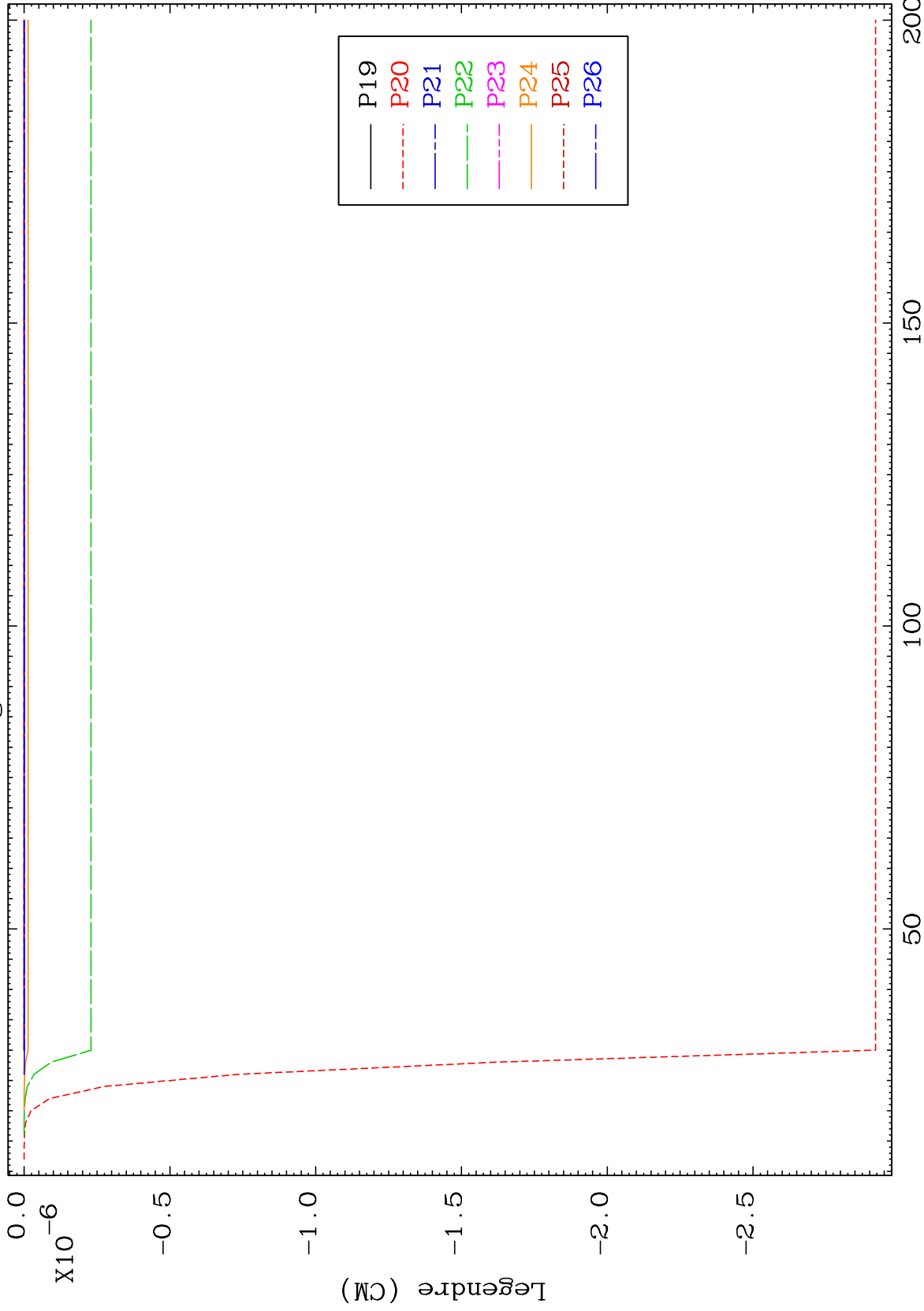
MT= 54 (n,n') Level
Legendre Coefficients

70-Yb-169



70-Yb-169

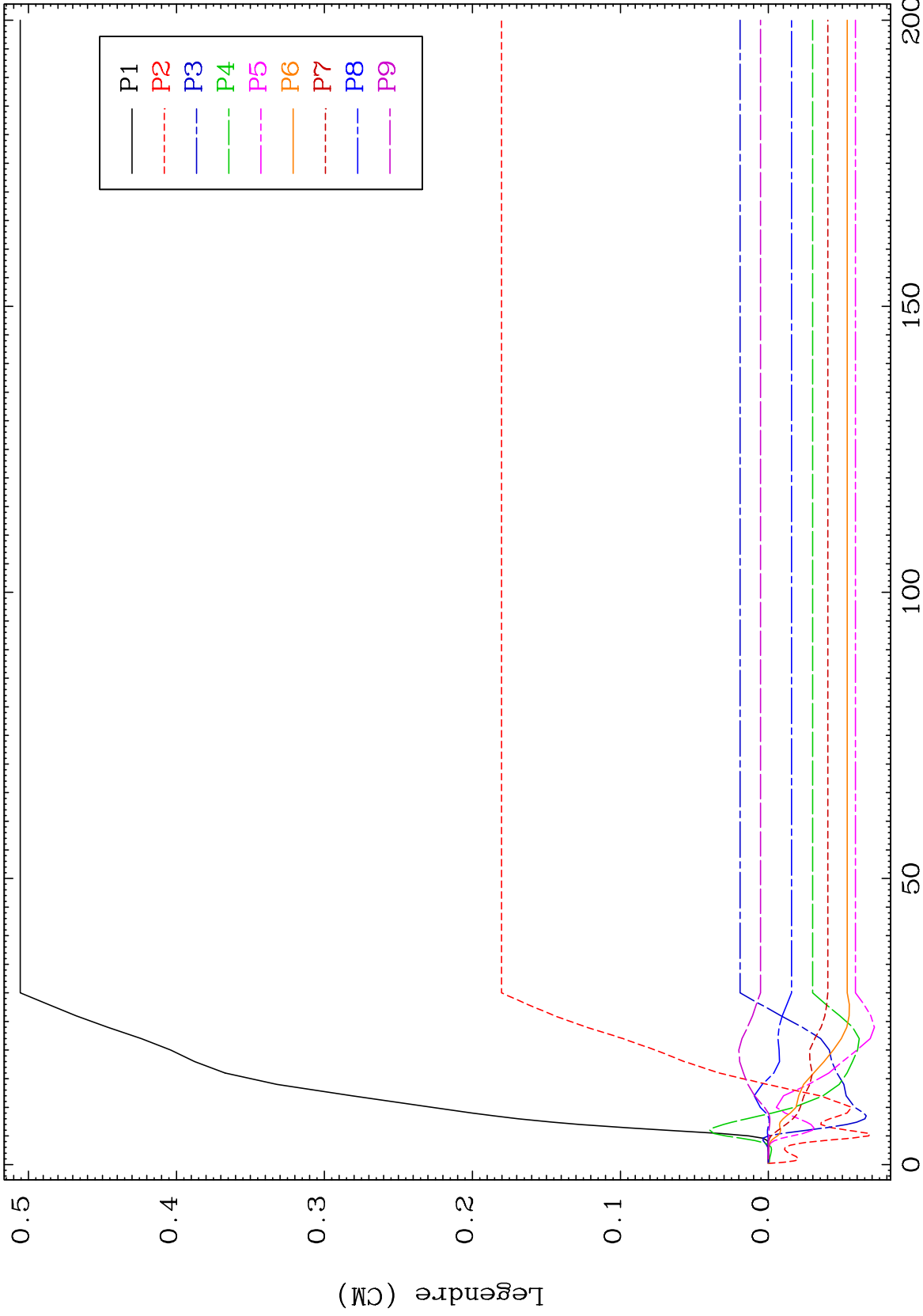
Incident Energy (MeV)



MAT 7028

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

70-Yb-169



32

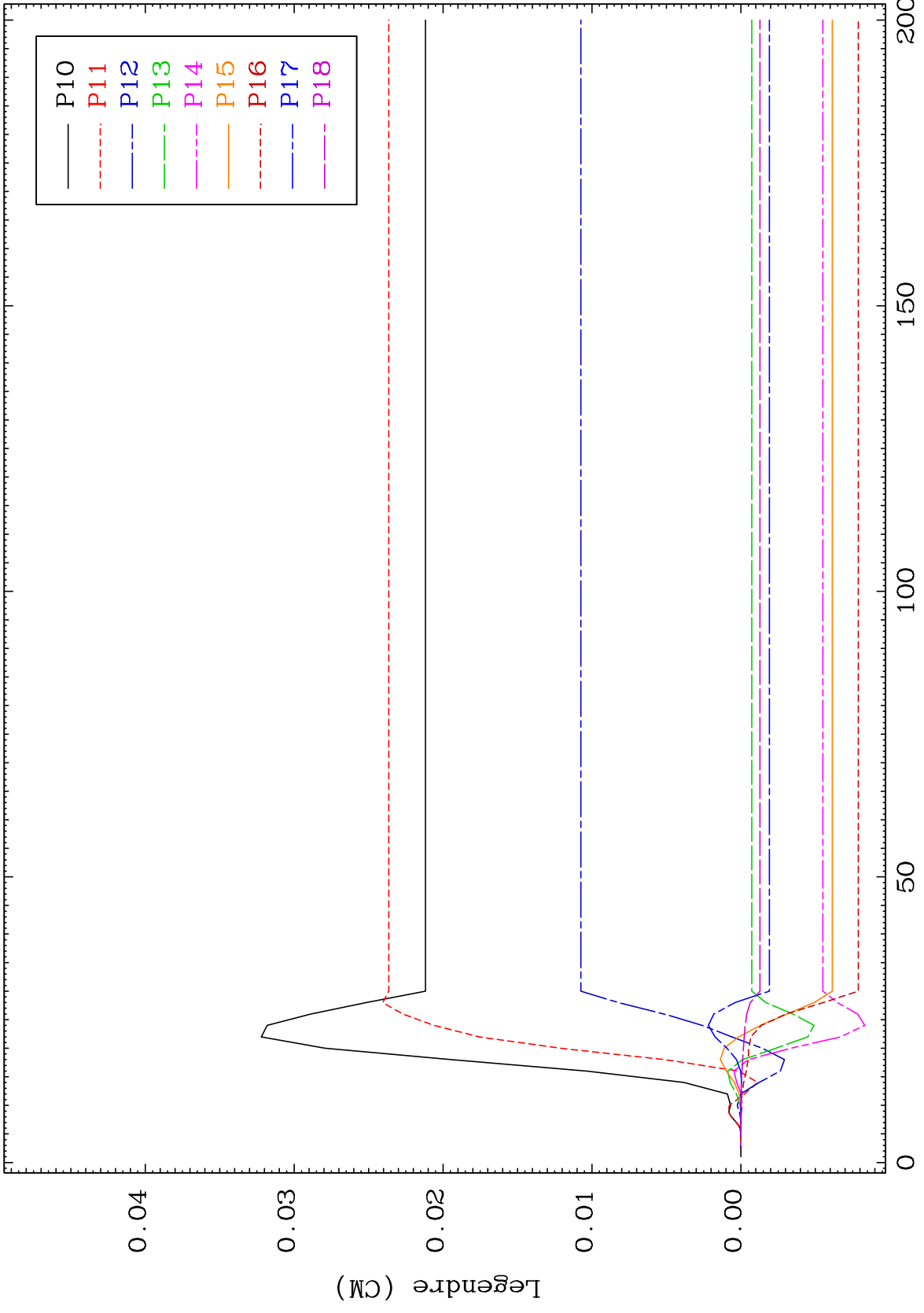
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



33

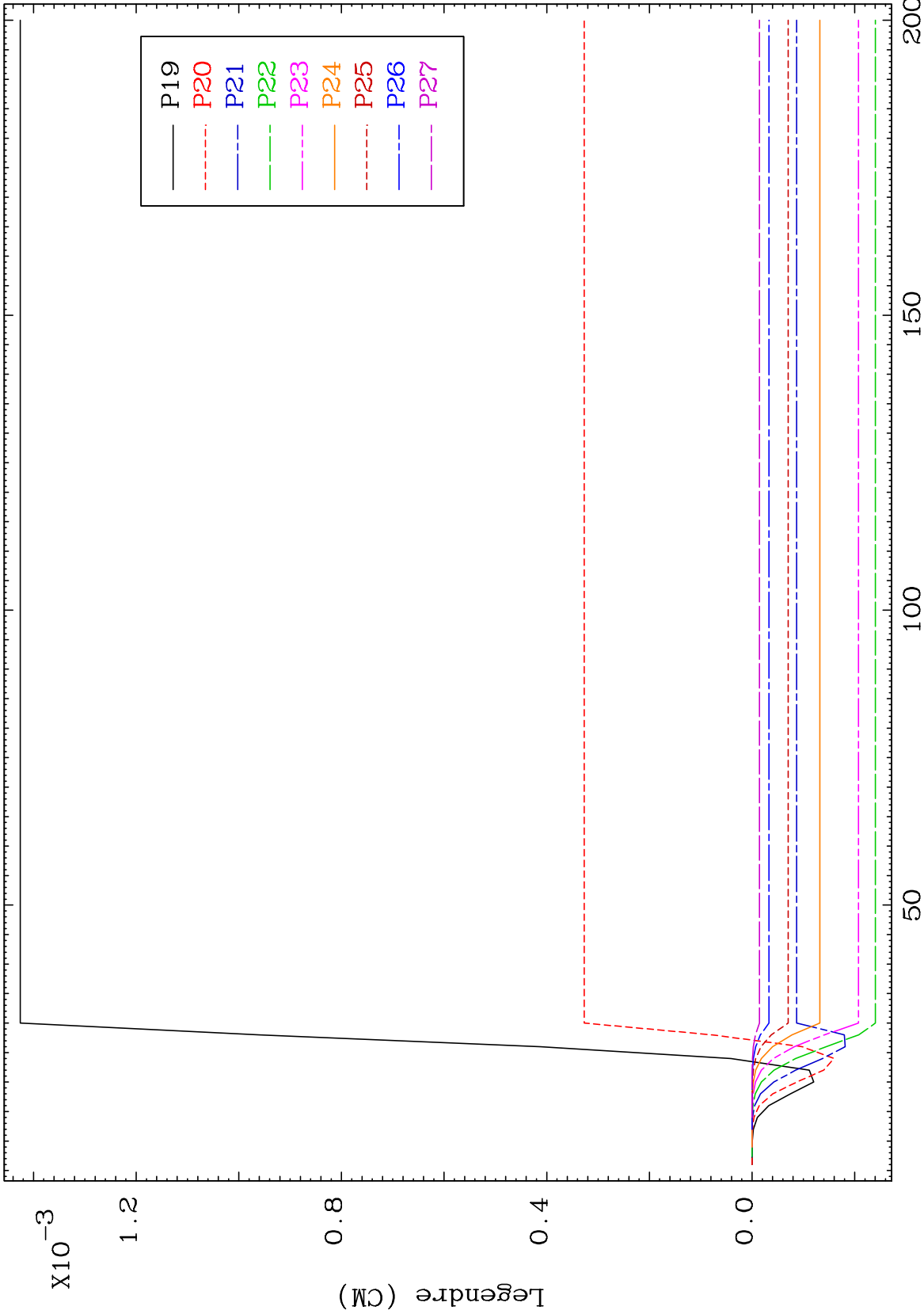
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169

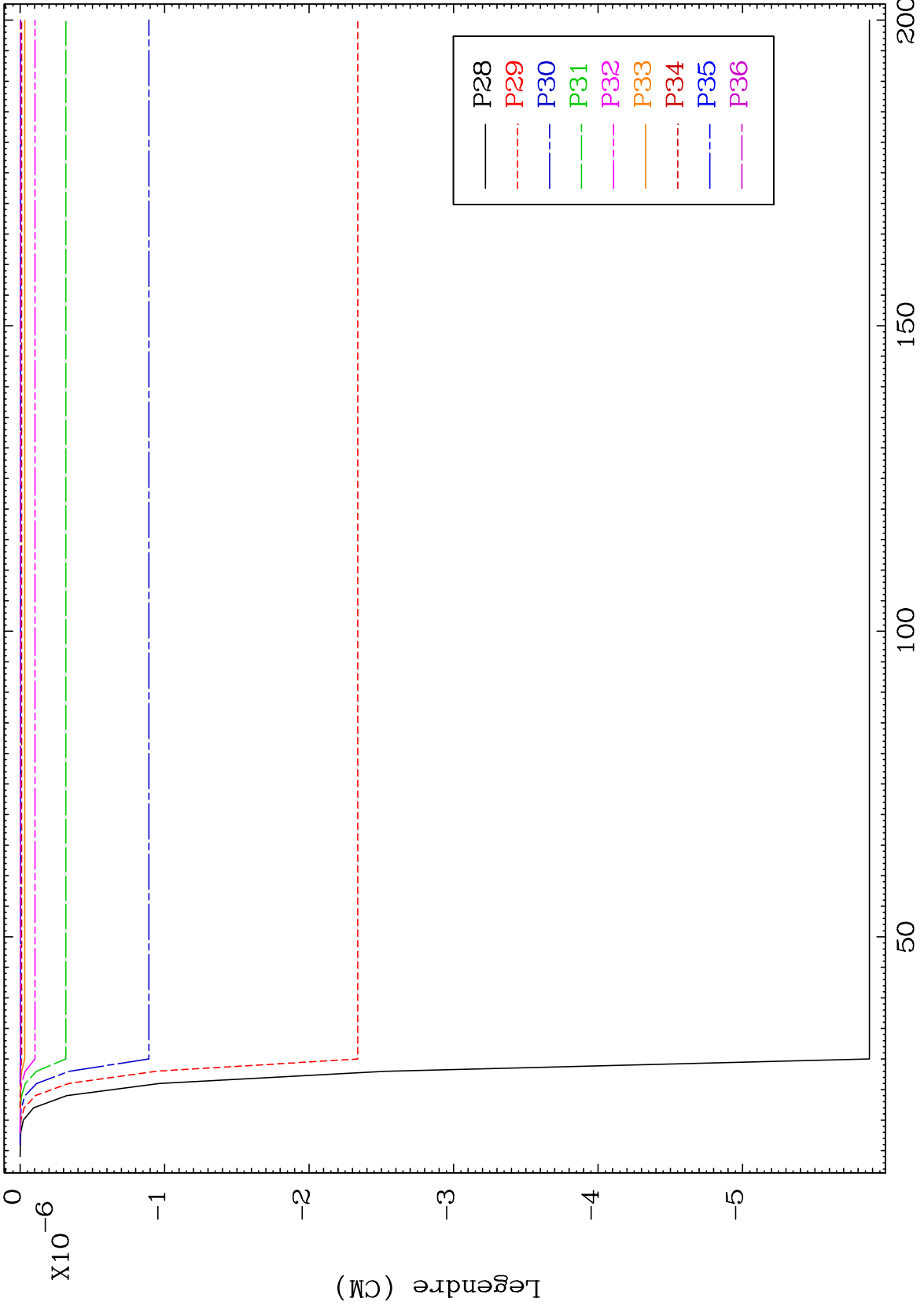


34

70-Yb-169

MAT 7028 MT= 55 (n,n') Level 70-Yb-169

Legendre Coefficients



70-Yb-169

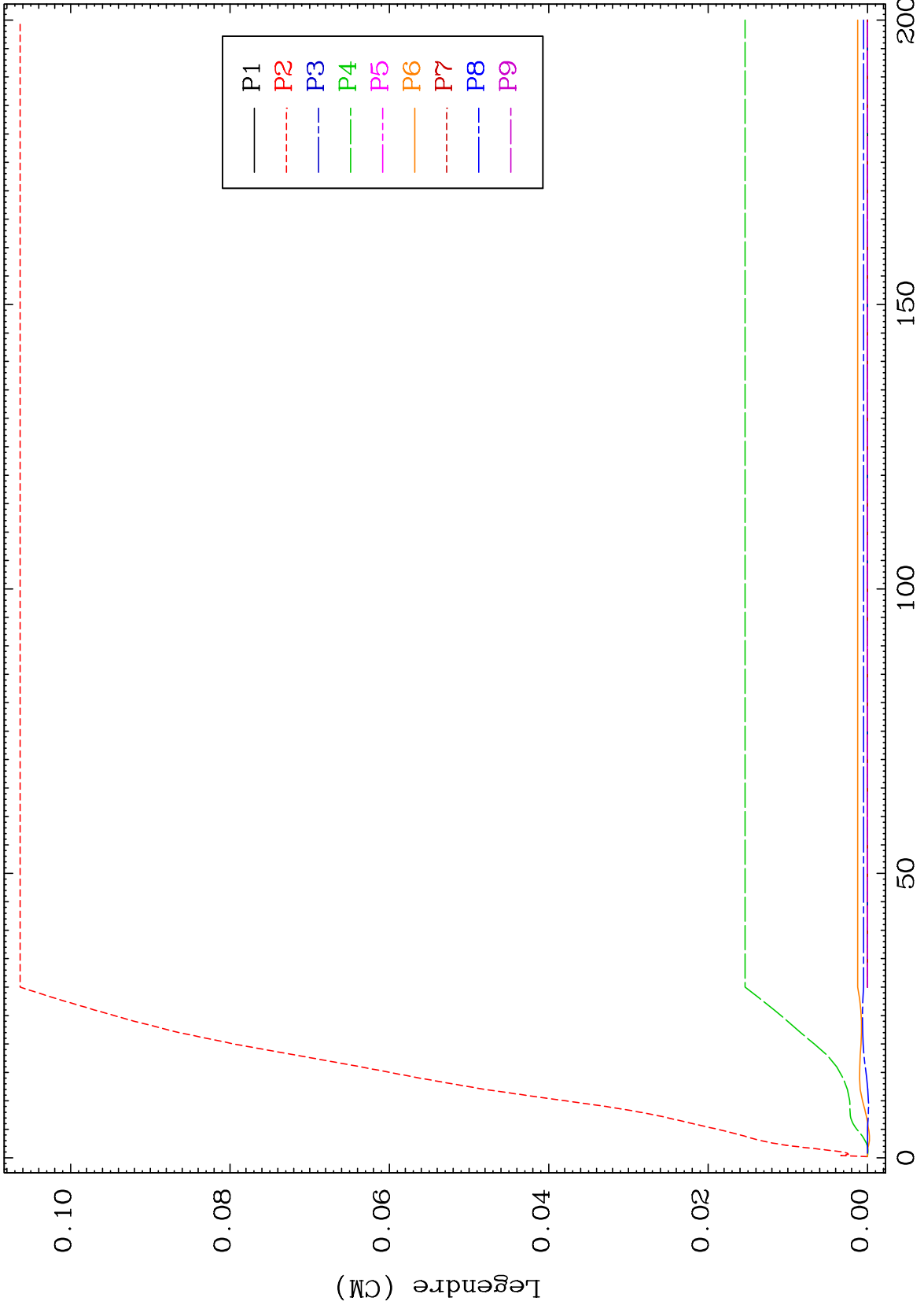
Incident Energy (MeV)

35

MAT 7028

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

70-Yb-169



36

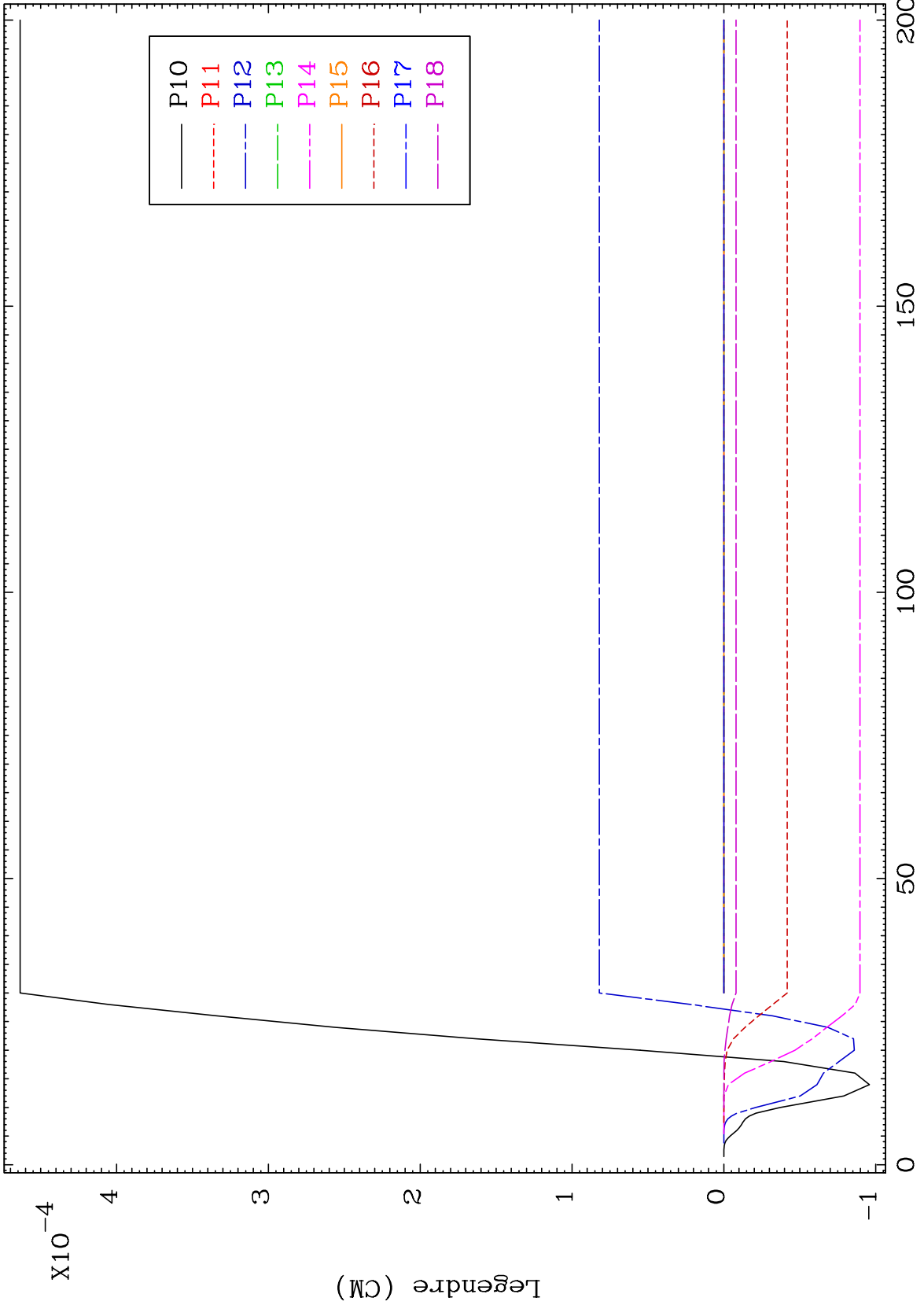
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



37

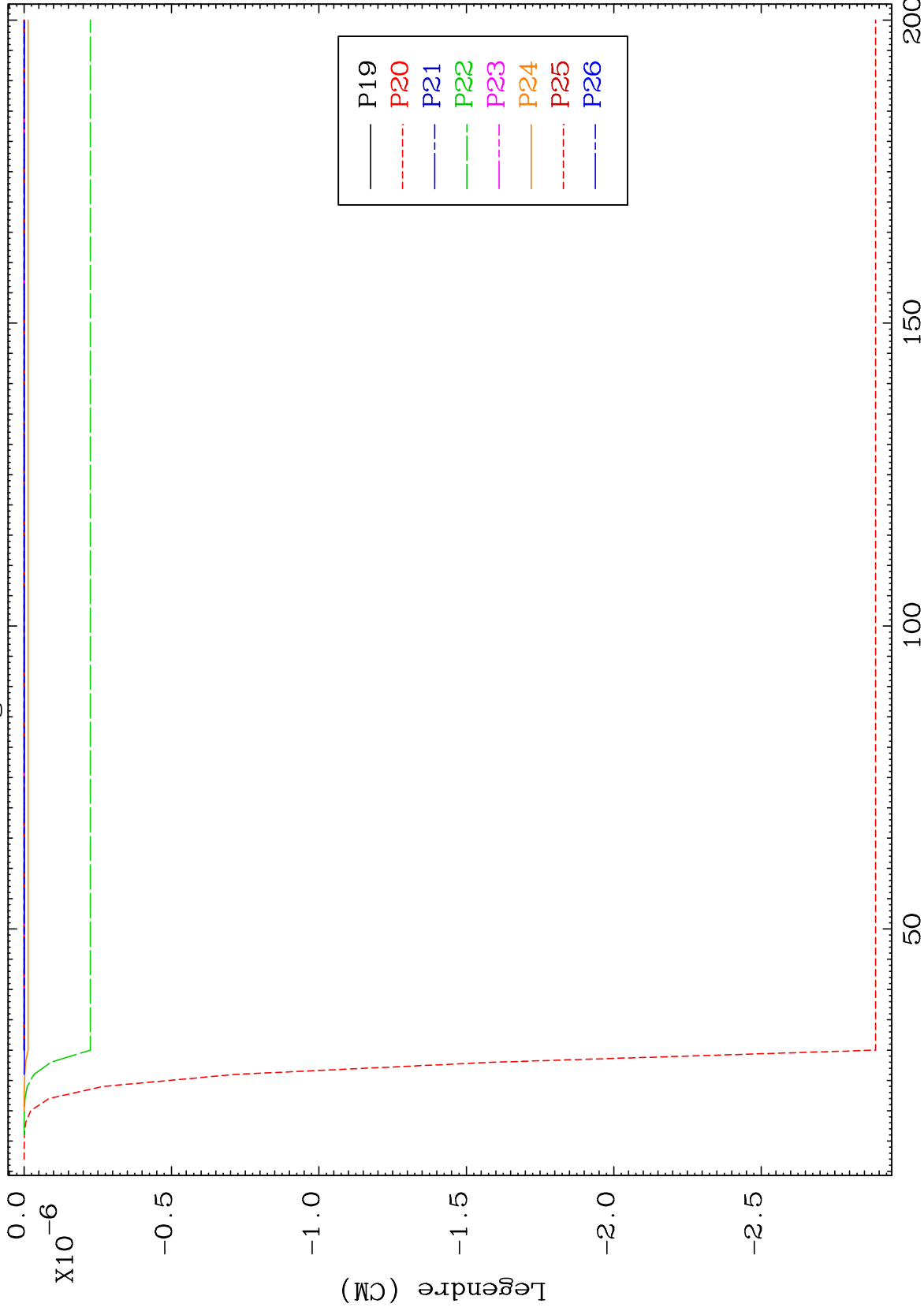
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



38

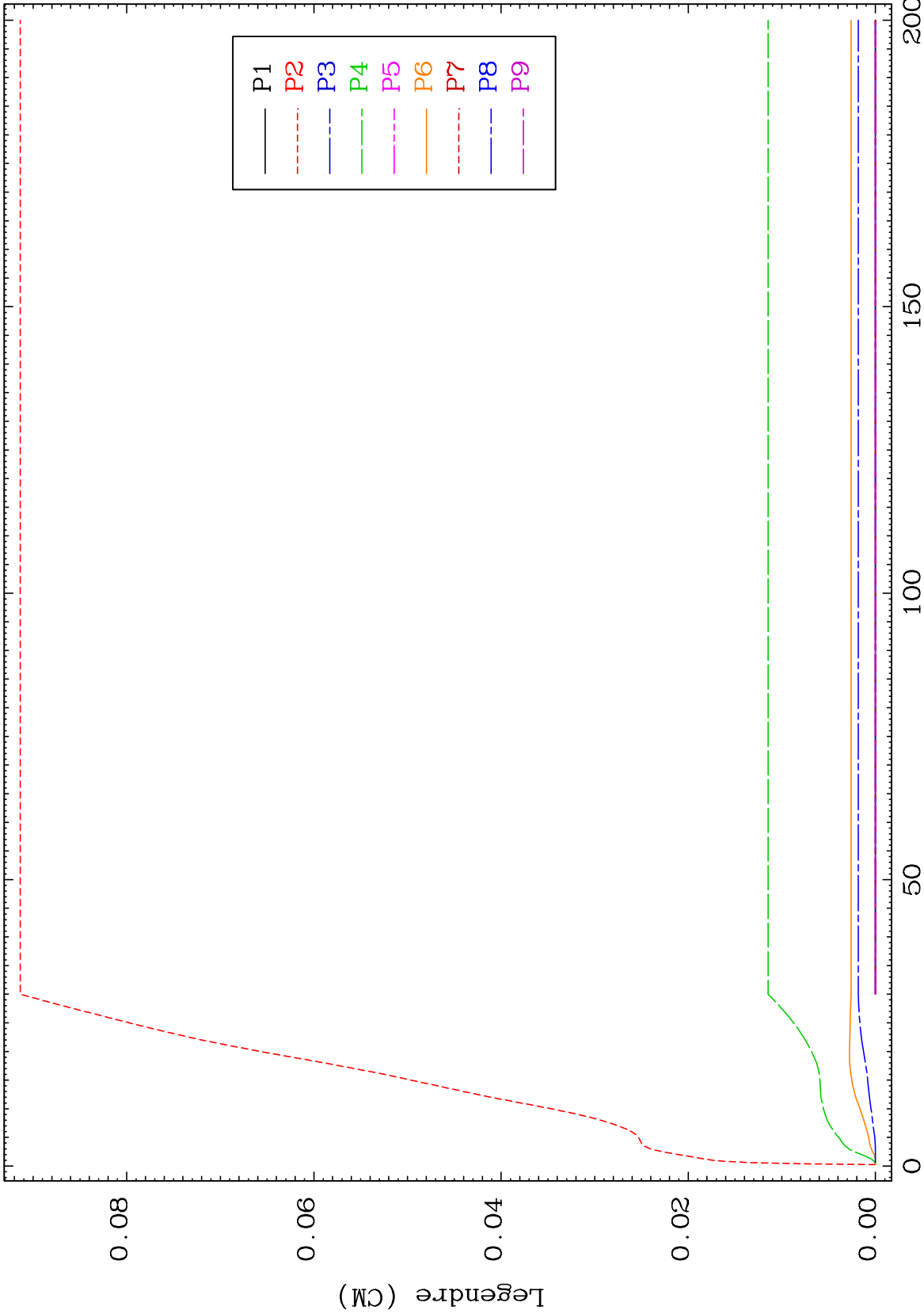
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



39

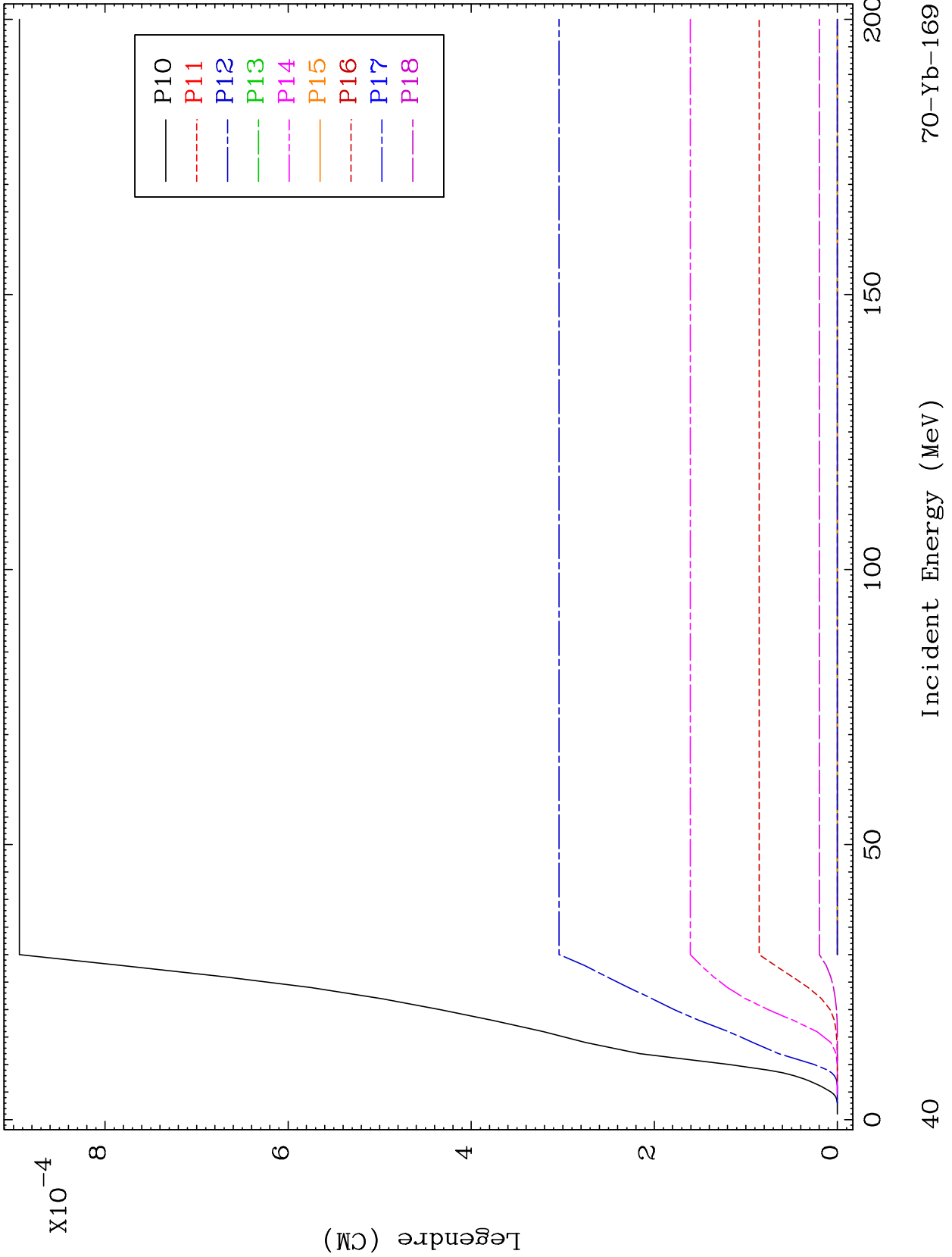
Incident Energy (MeV)

70-Yb-169

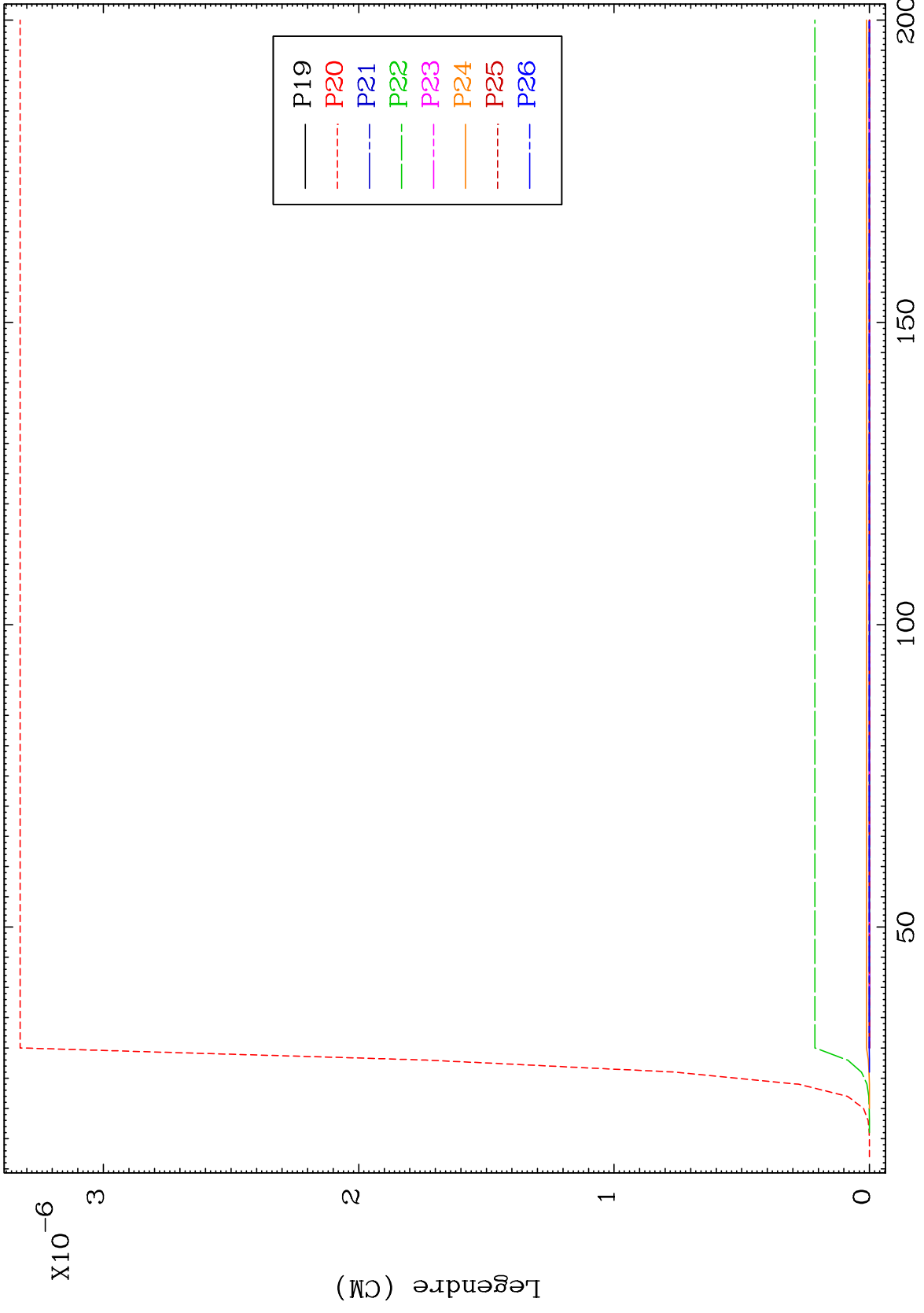
MAT 7028

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

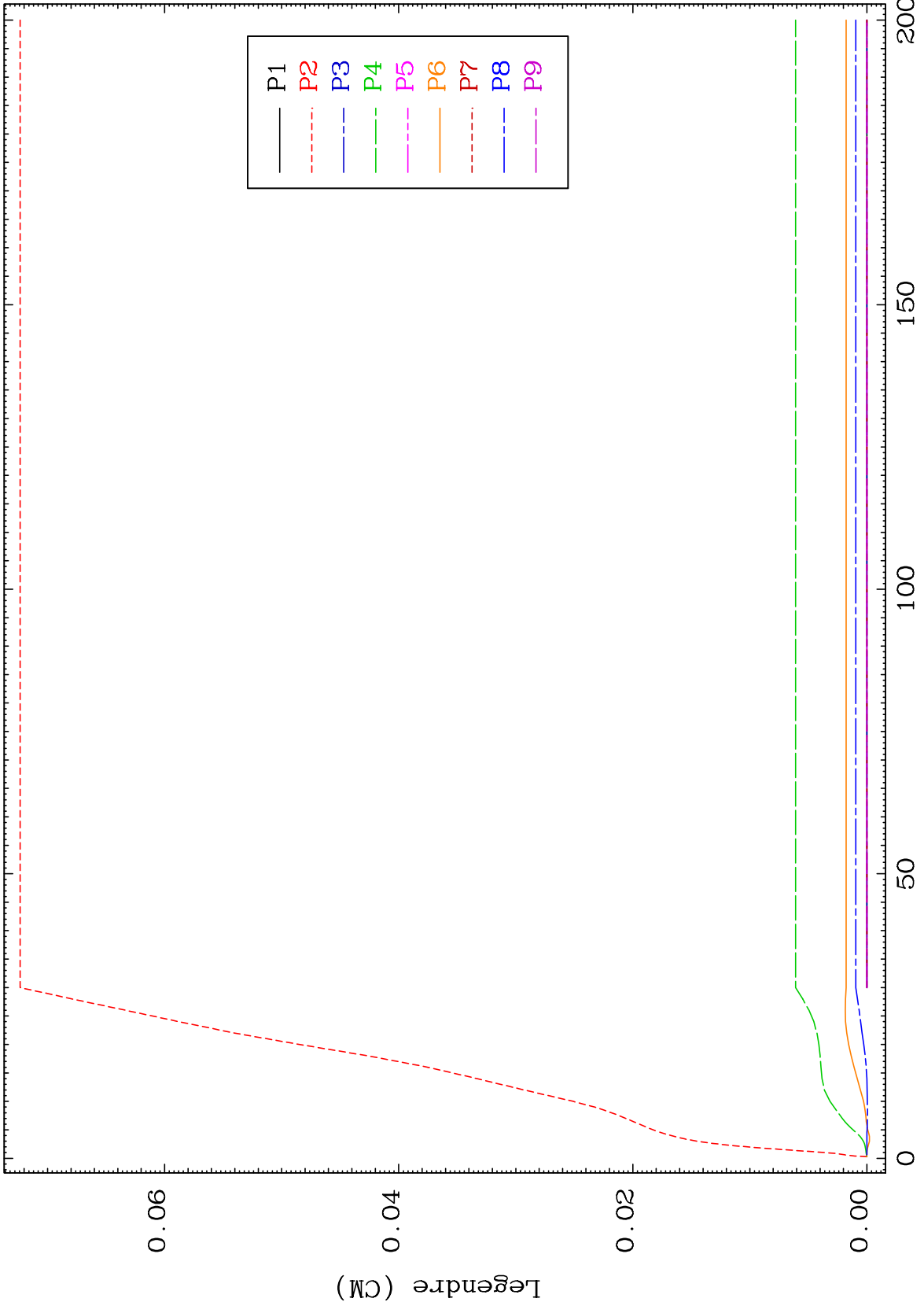
70-Yb-169



MAT 7028 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-169



MAT 7028 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-169

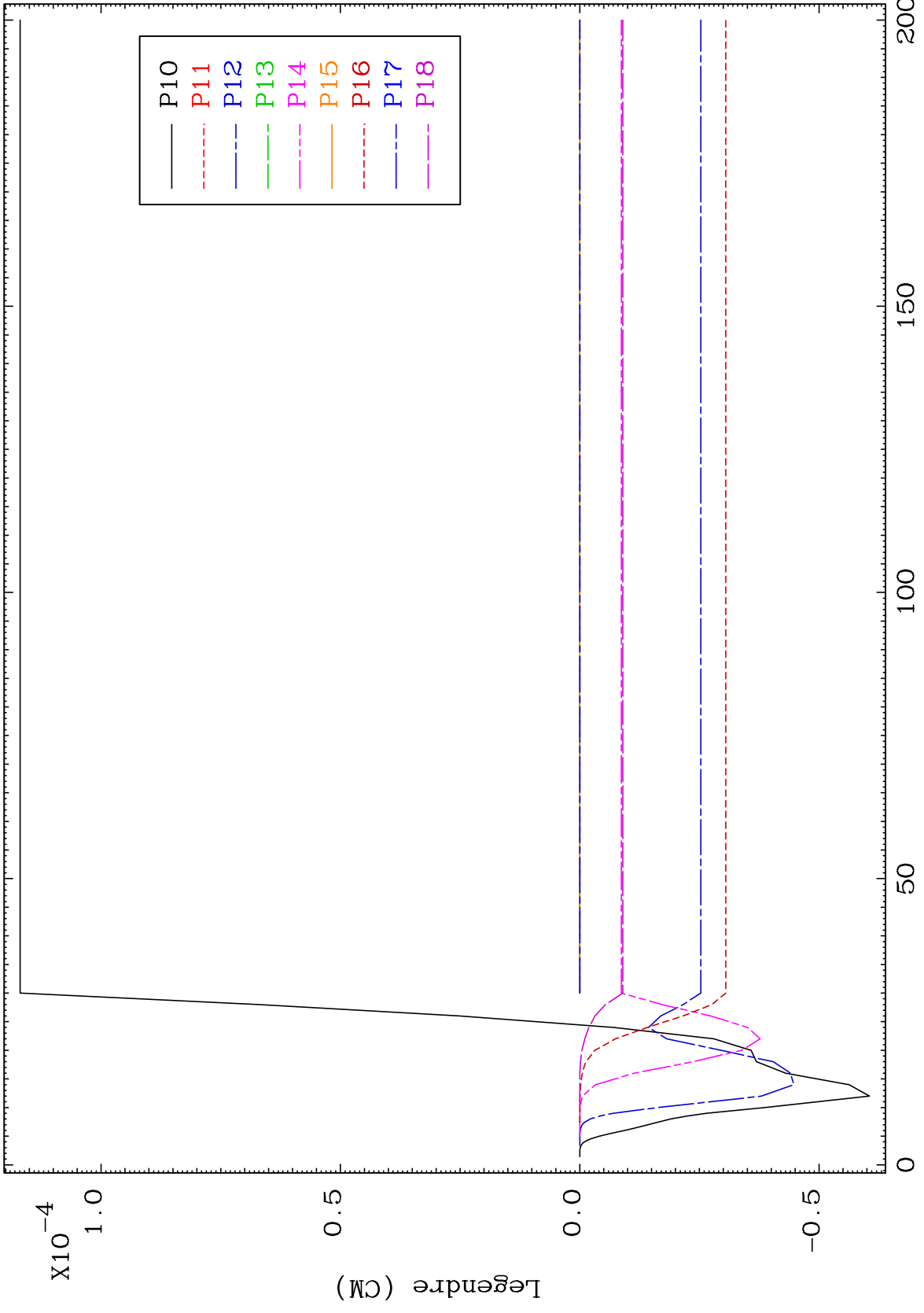


42 70-Yb-169

MAT 7028

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

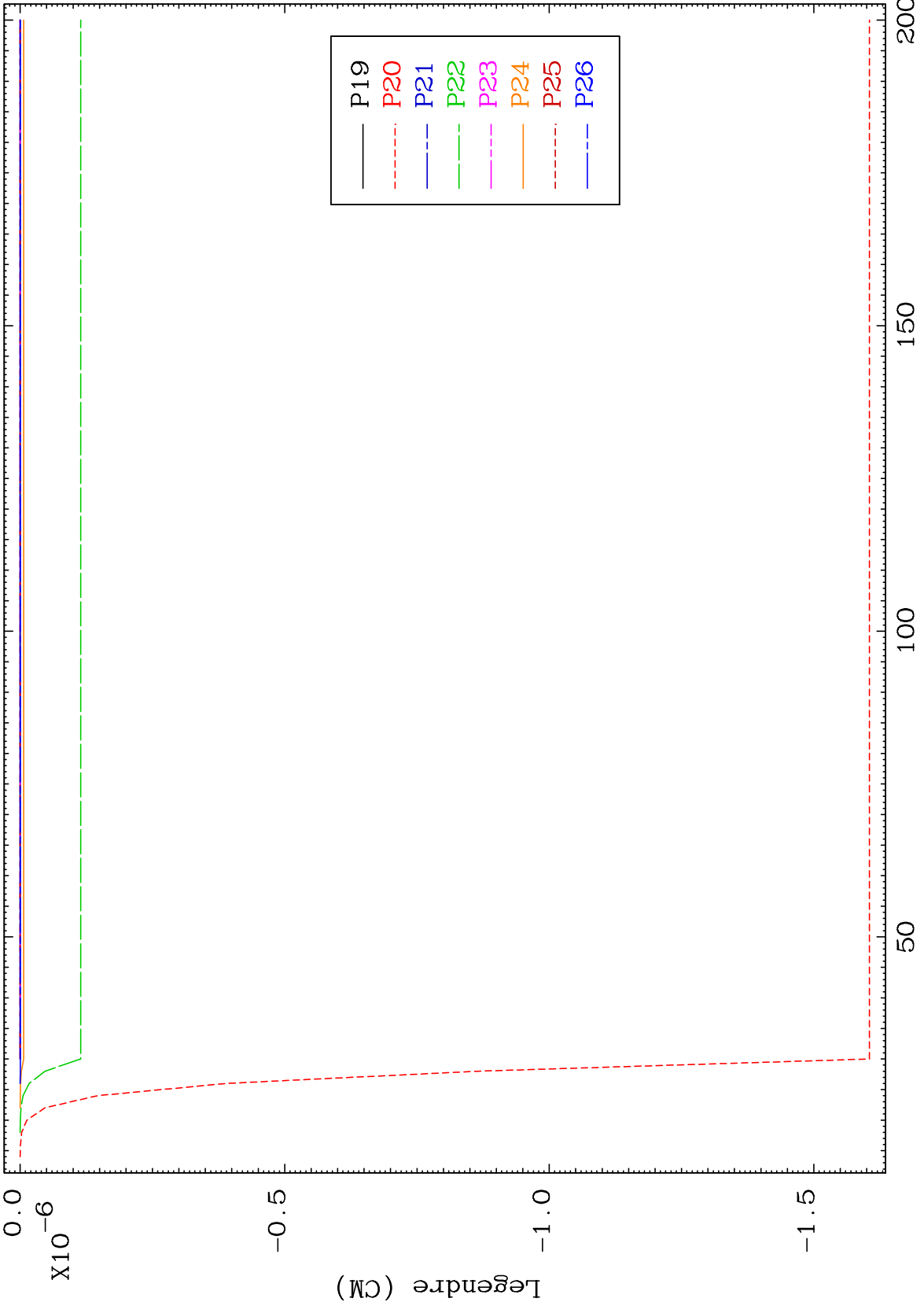
70-Yb-169



43

70-Yb-169

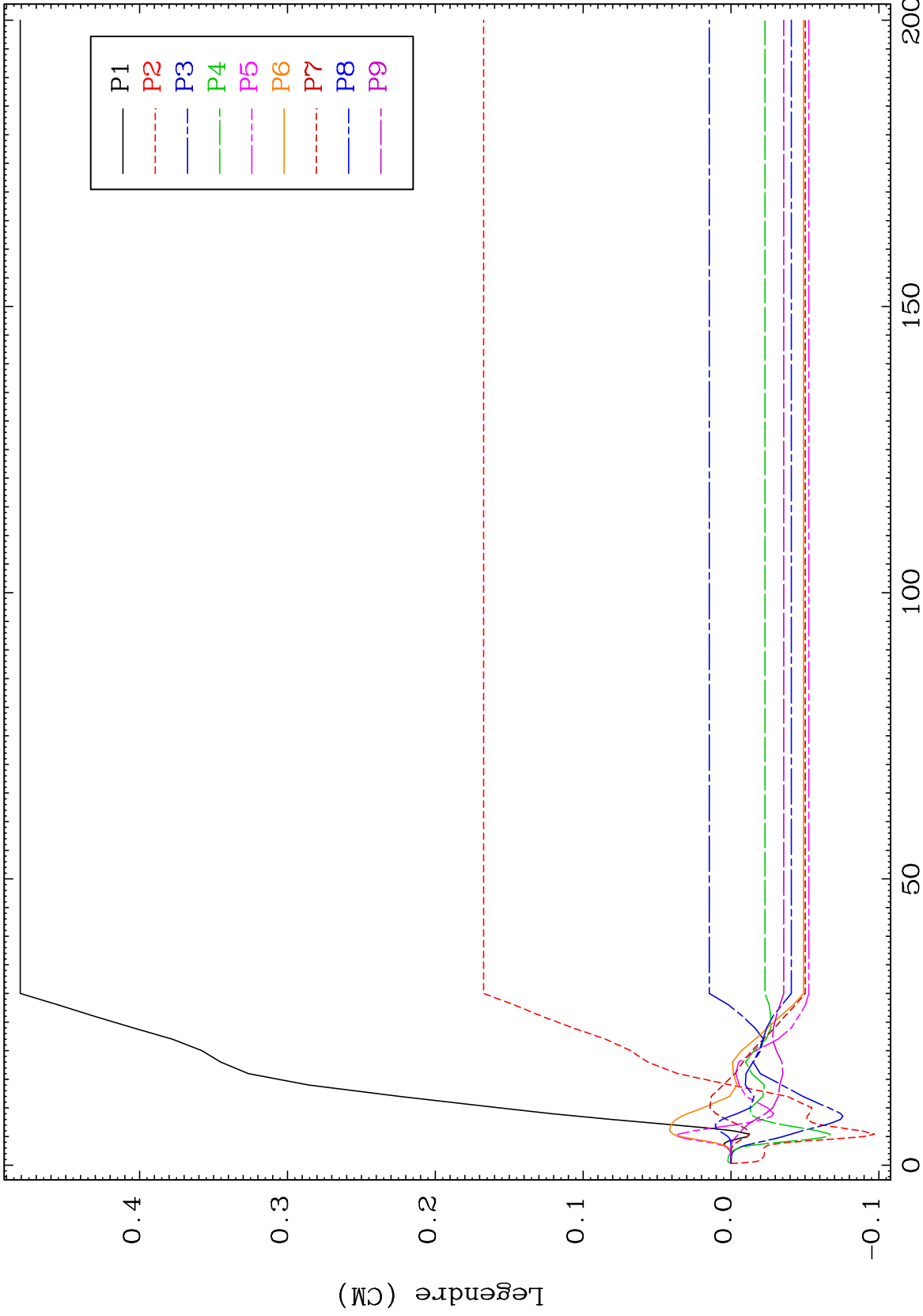
MAT 7028 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-169



MAT 7028

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

70-Yb-169



45

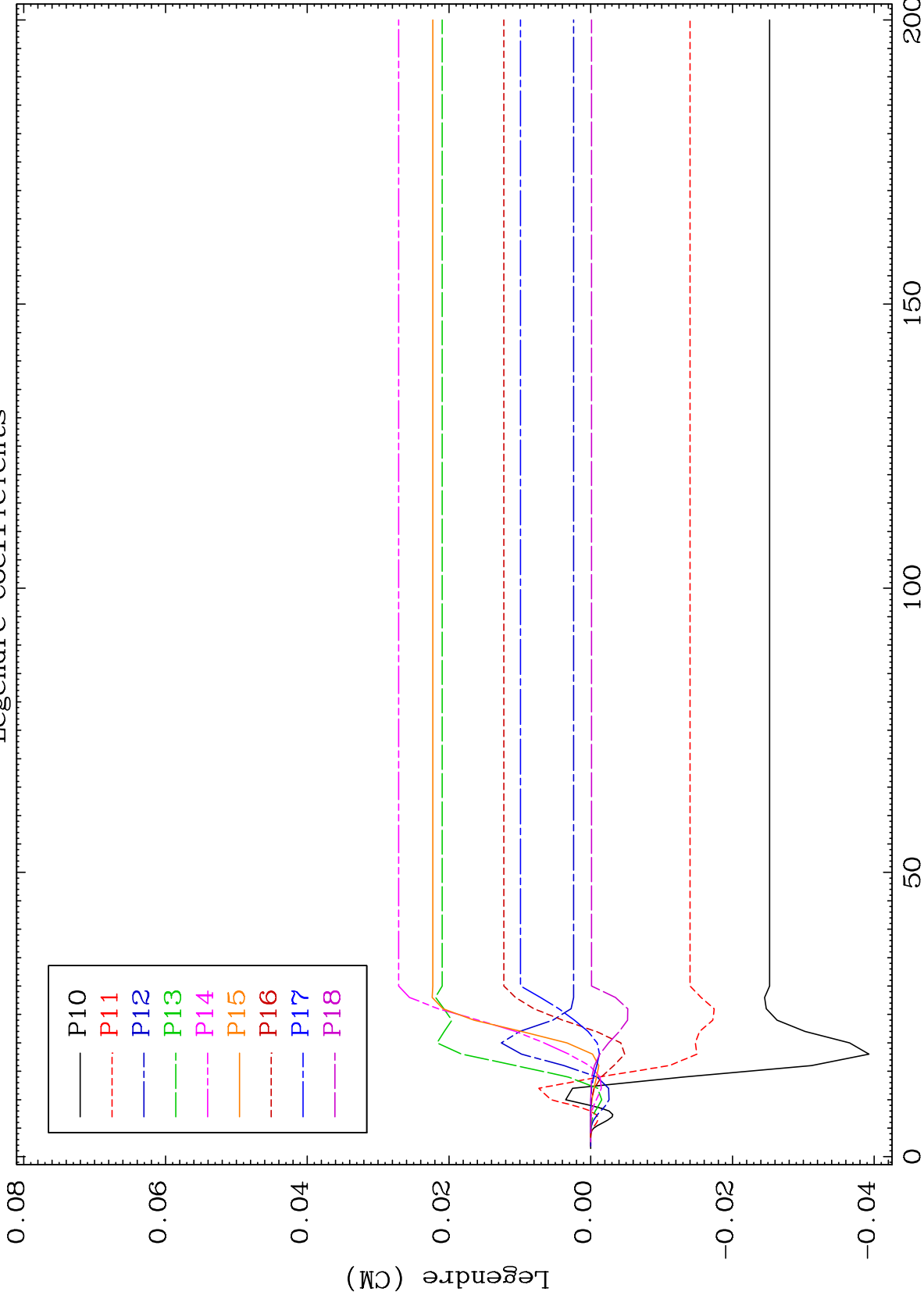
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



46

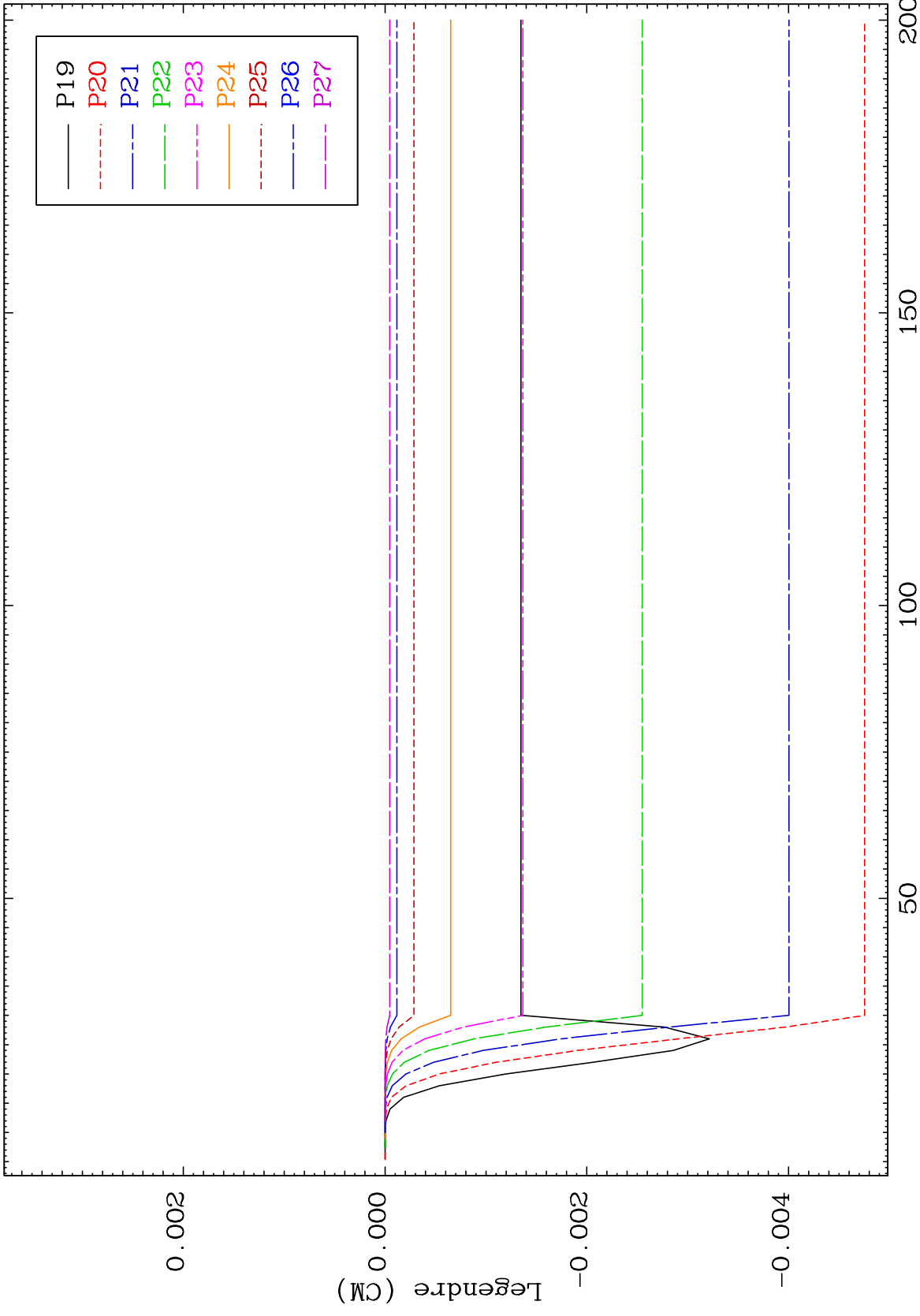
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



47

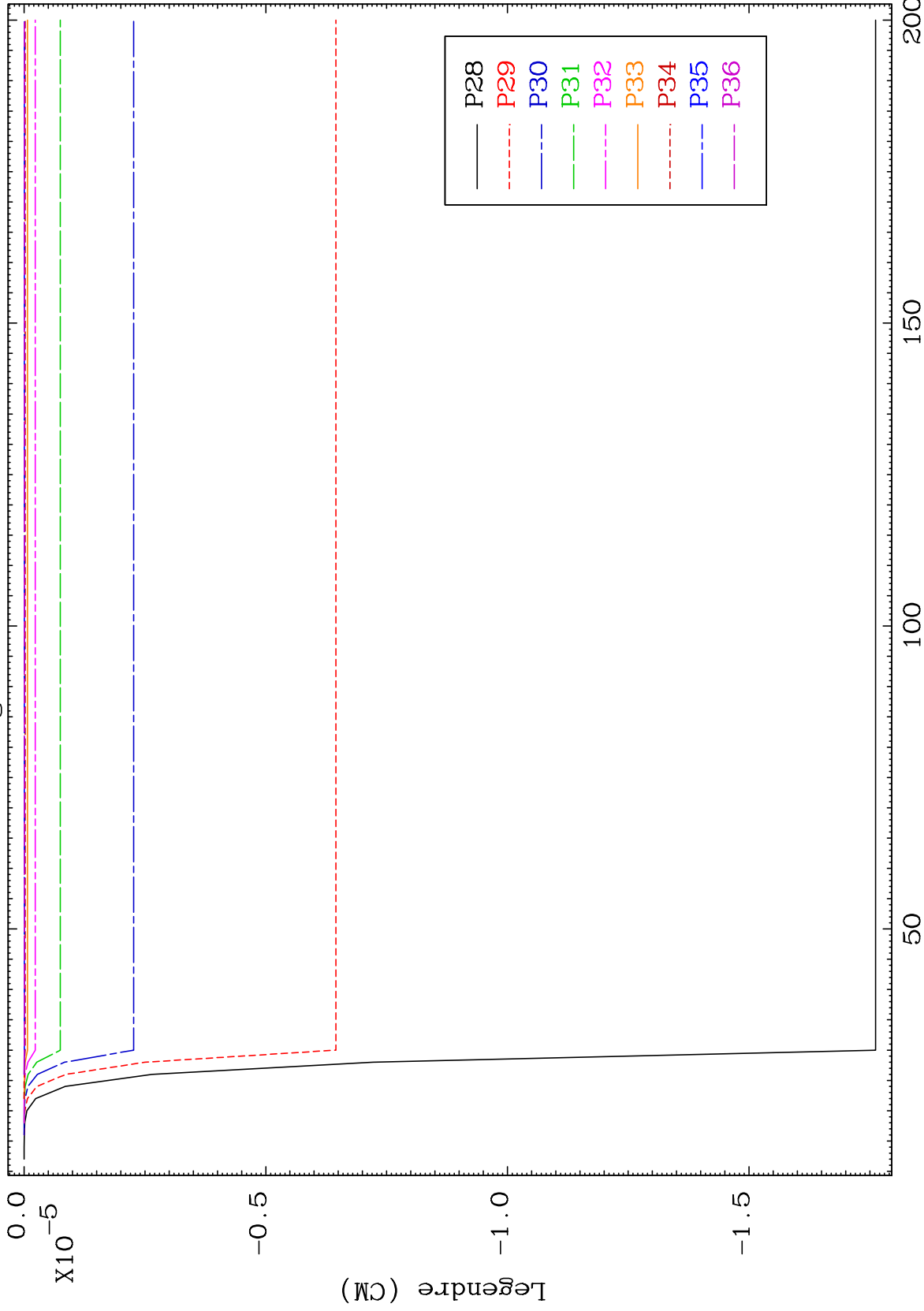
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169

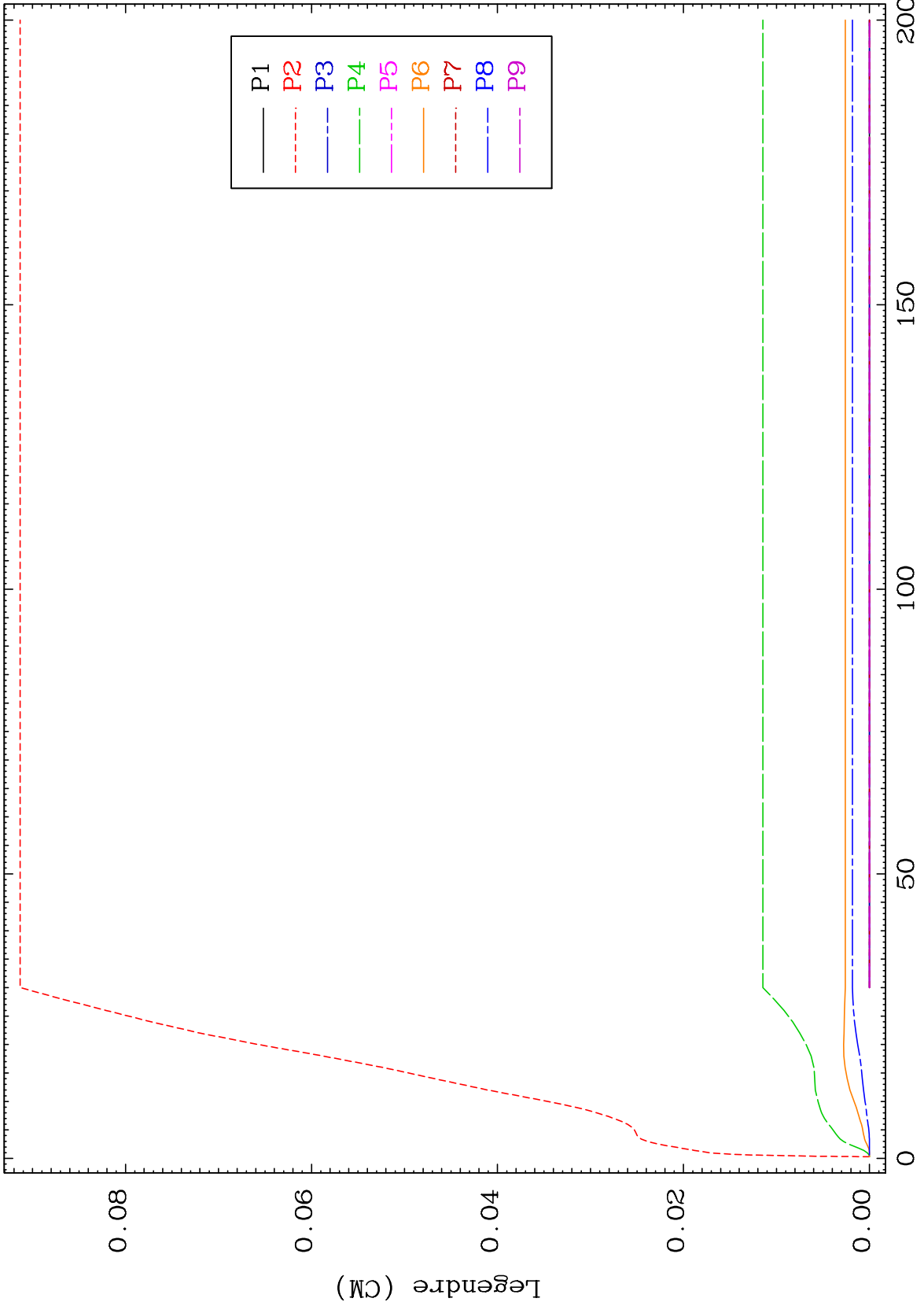


48

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-169

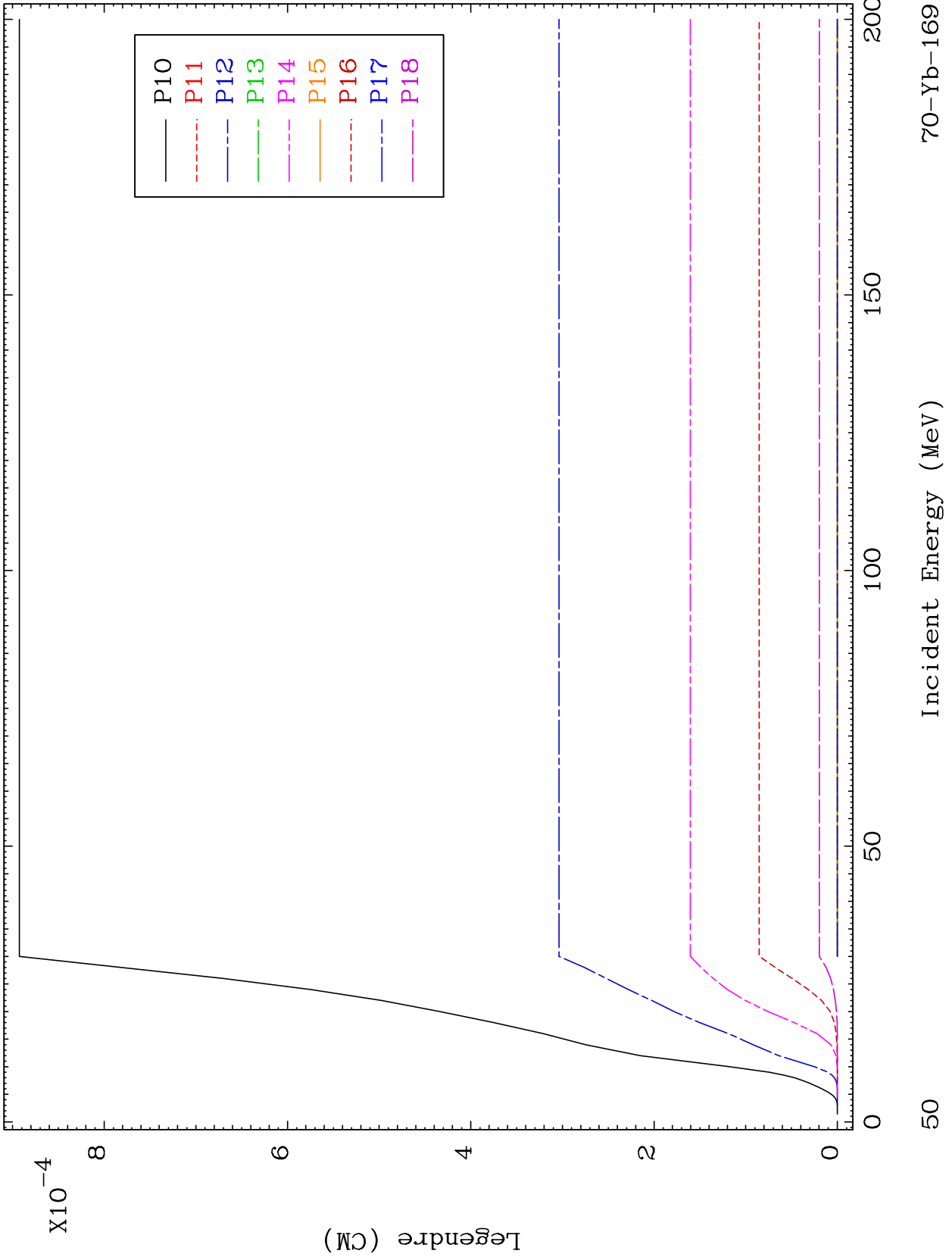


49 70-Yb-169

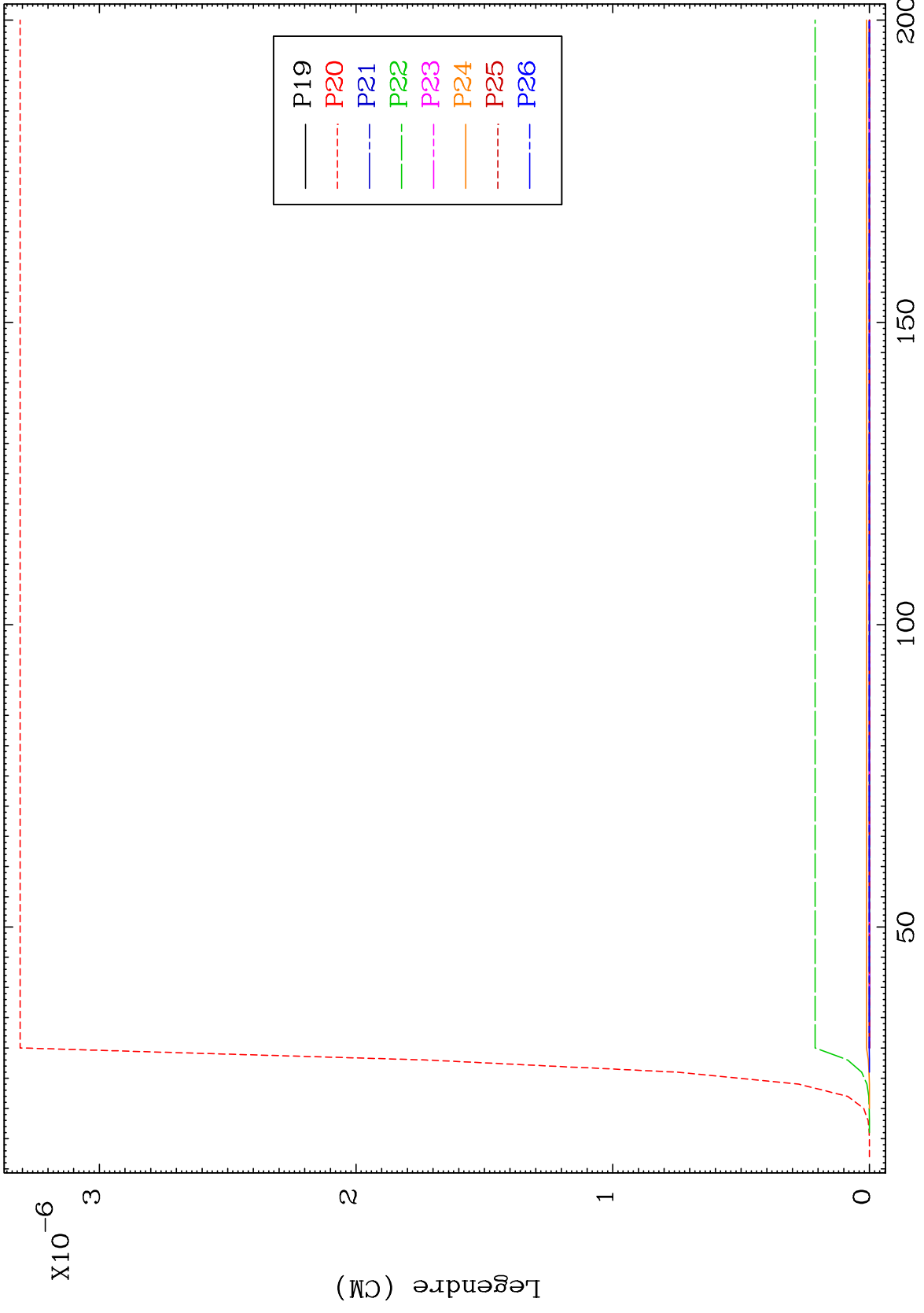
MAT 7028

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

70-Yb-169

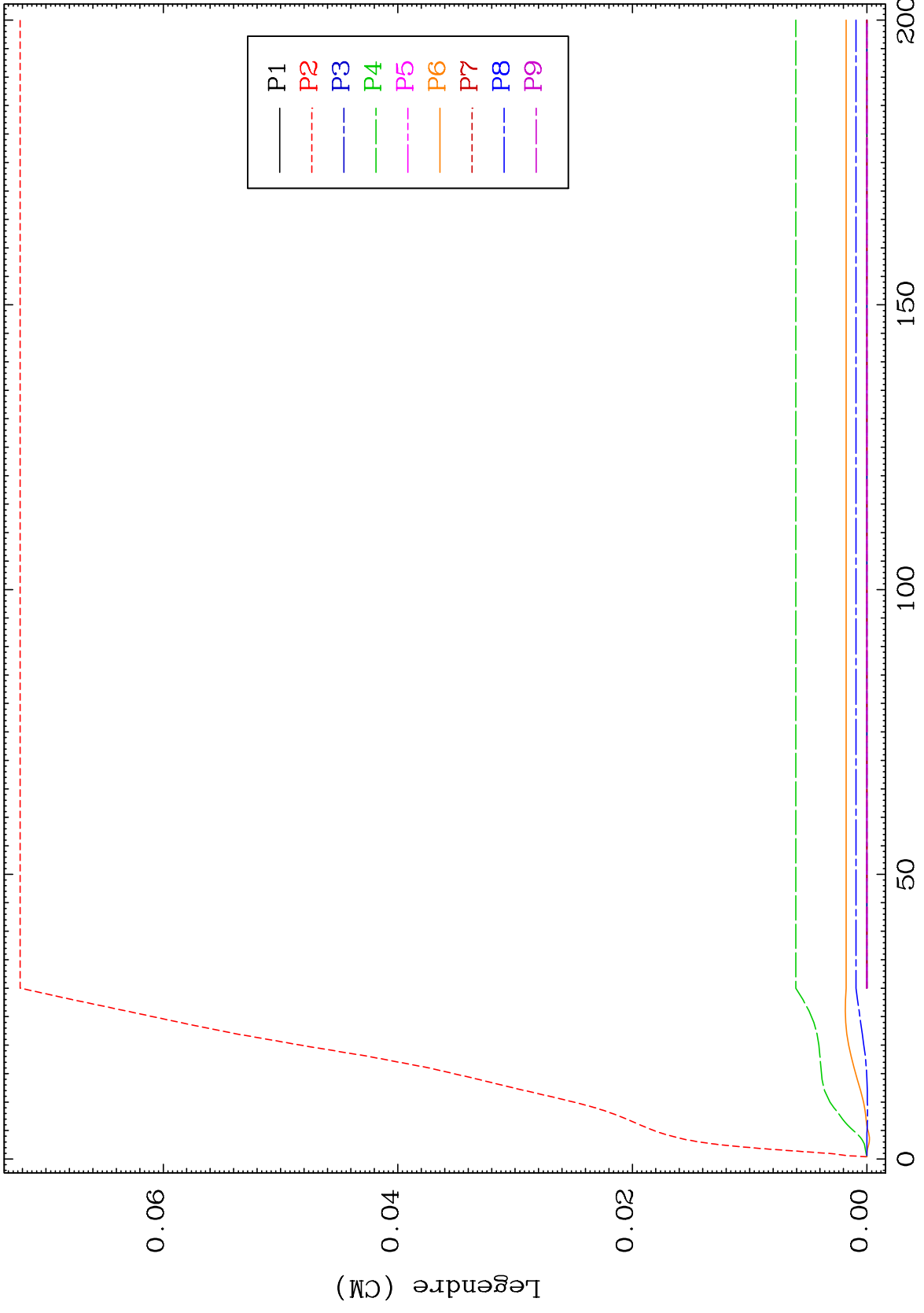


MAT 7028 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-169



51 Incident Energy (MeV) 70-Yb-169

MAT 7028 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-169

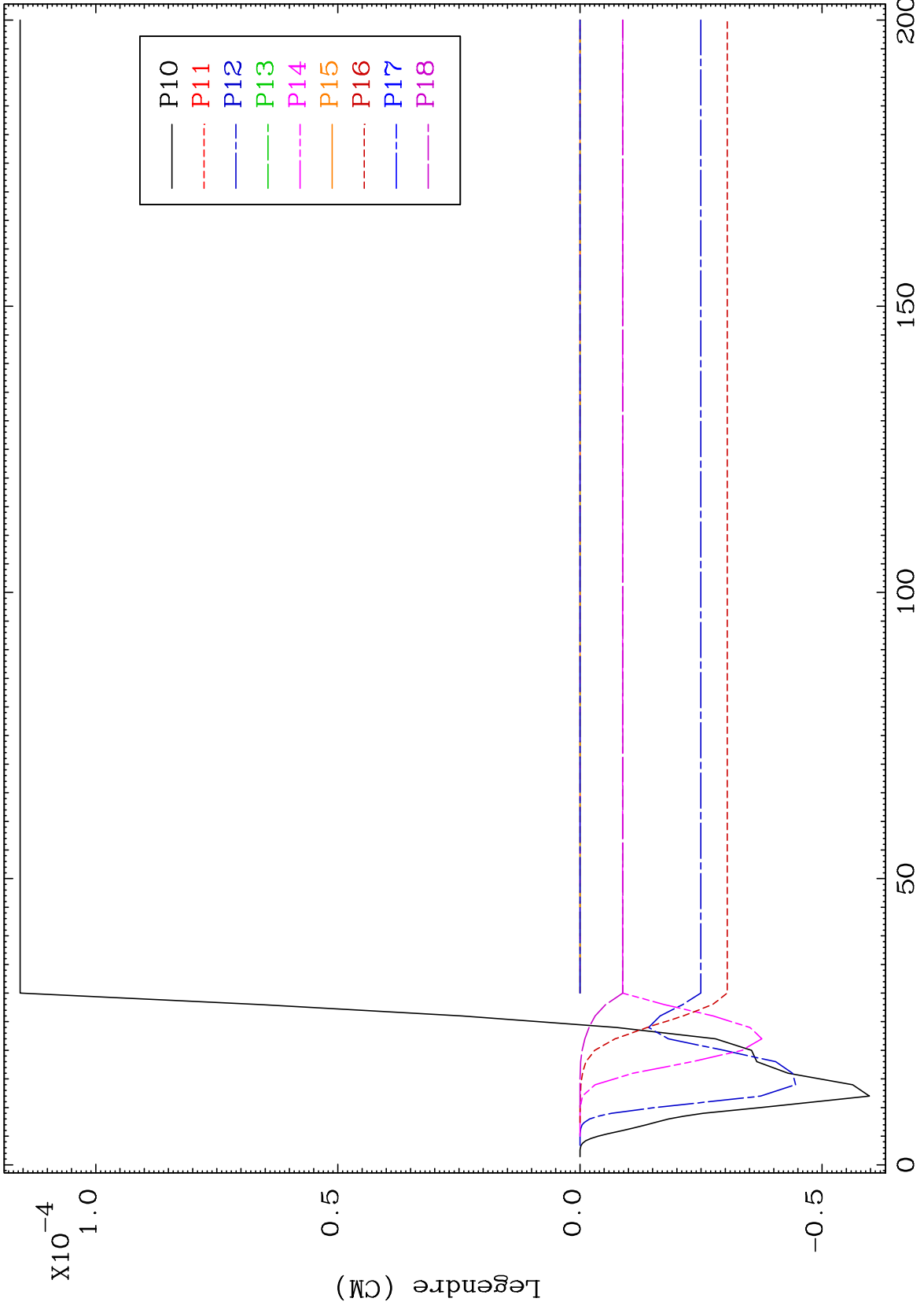


52 Incident Energy (MeV) 70-Yb-169

MAT 7028

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

70-Yb-169



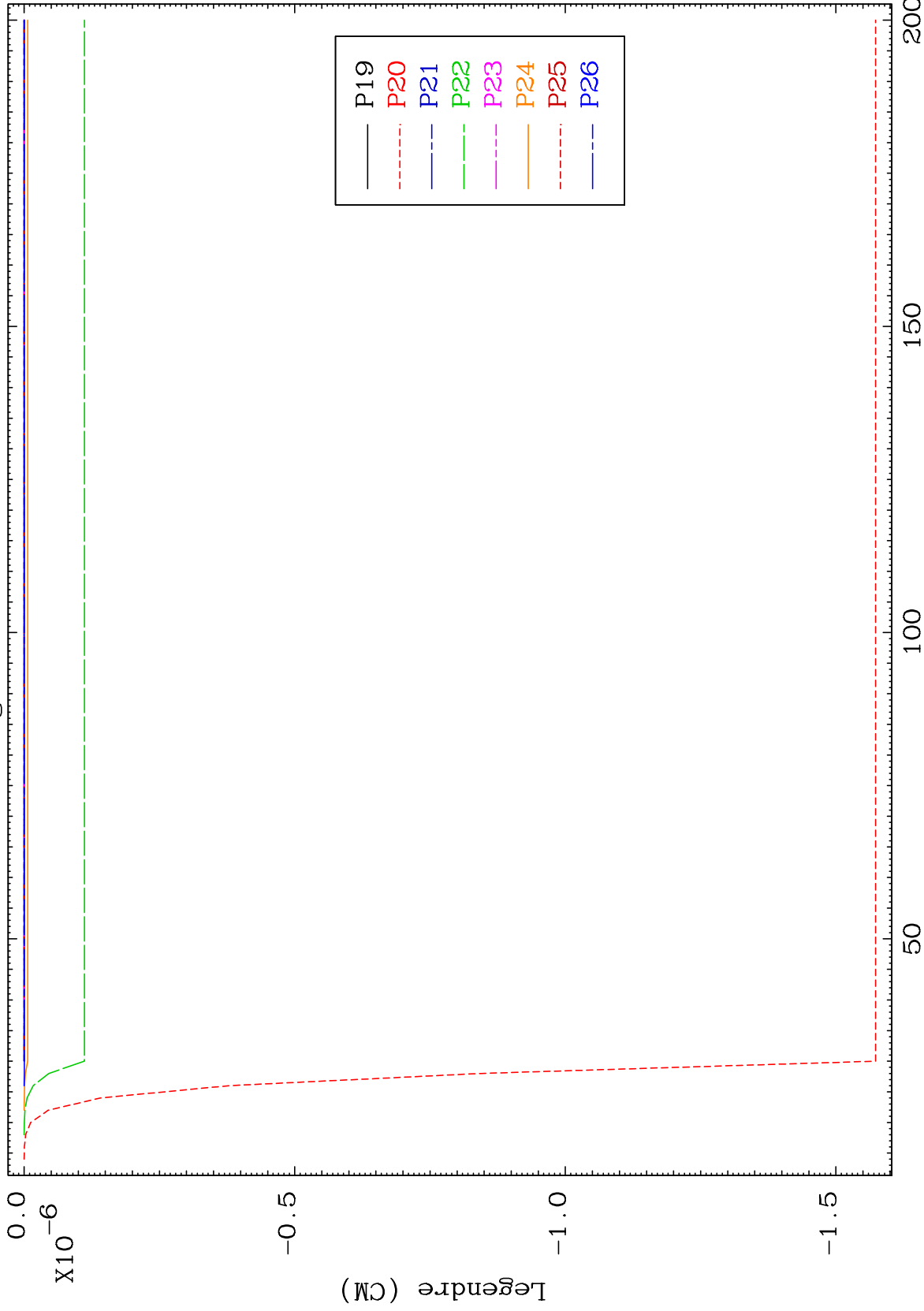
53

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 61 (n,n') Level 70-Yb-169

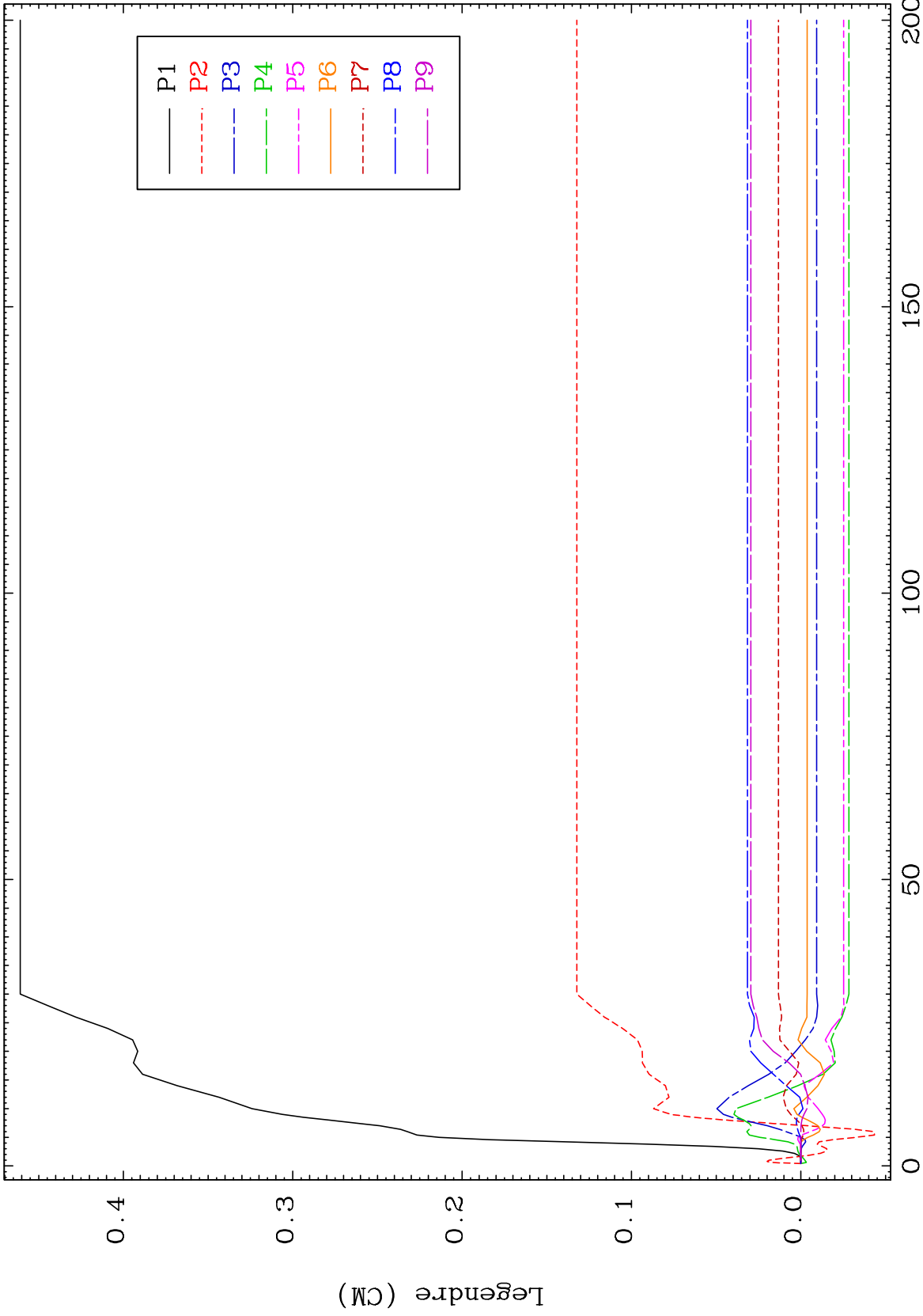
Legendre Coefficients



MAT 7028

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

70-Yb-169



55

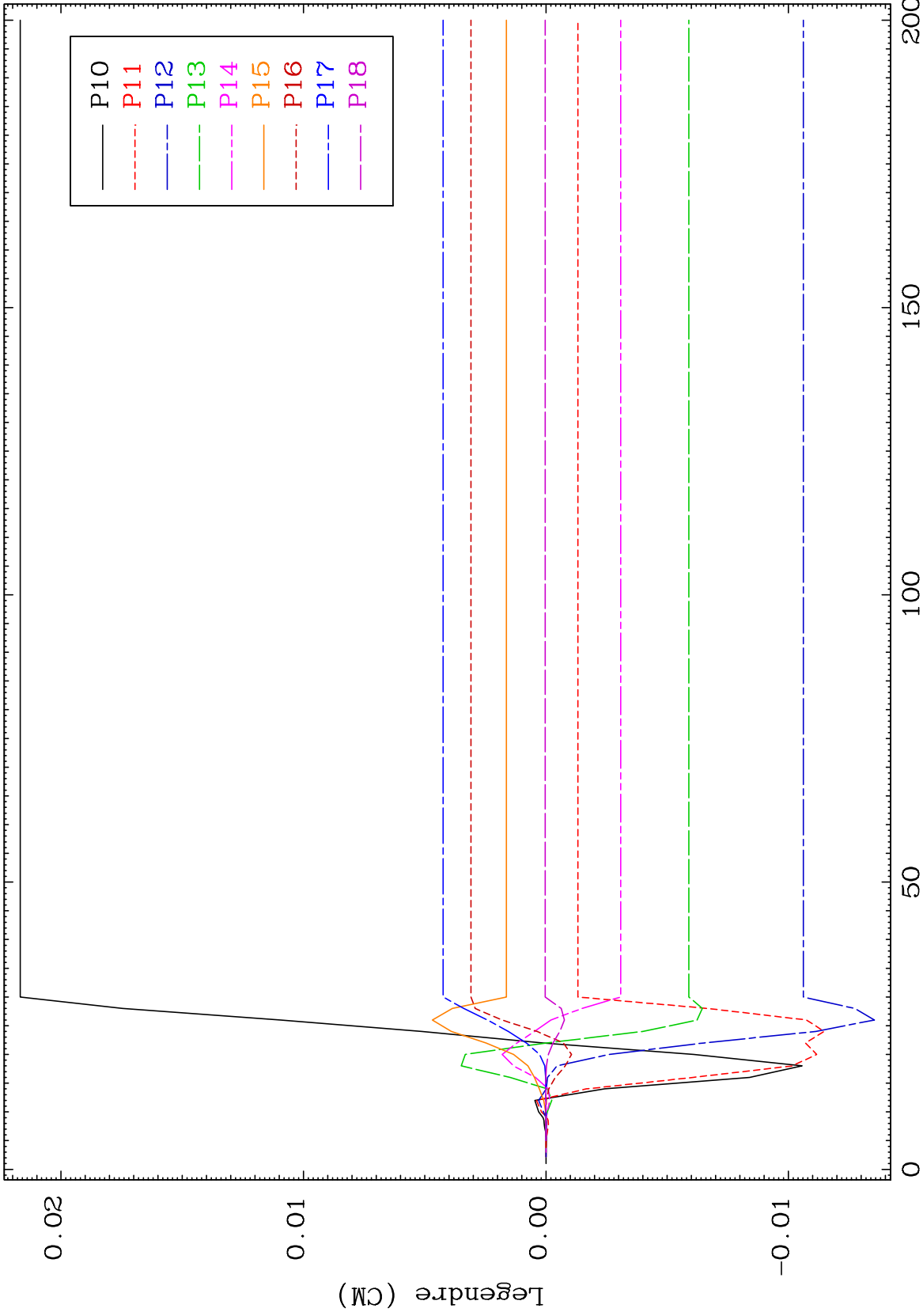
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



56

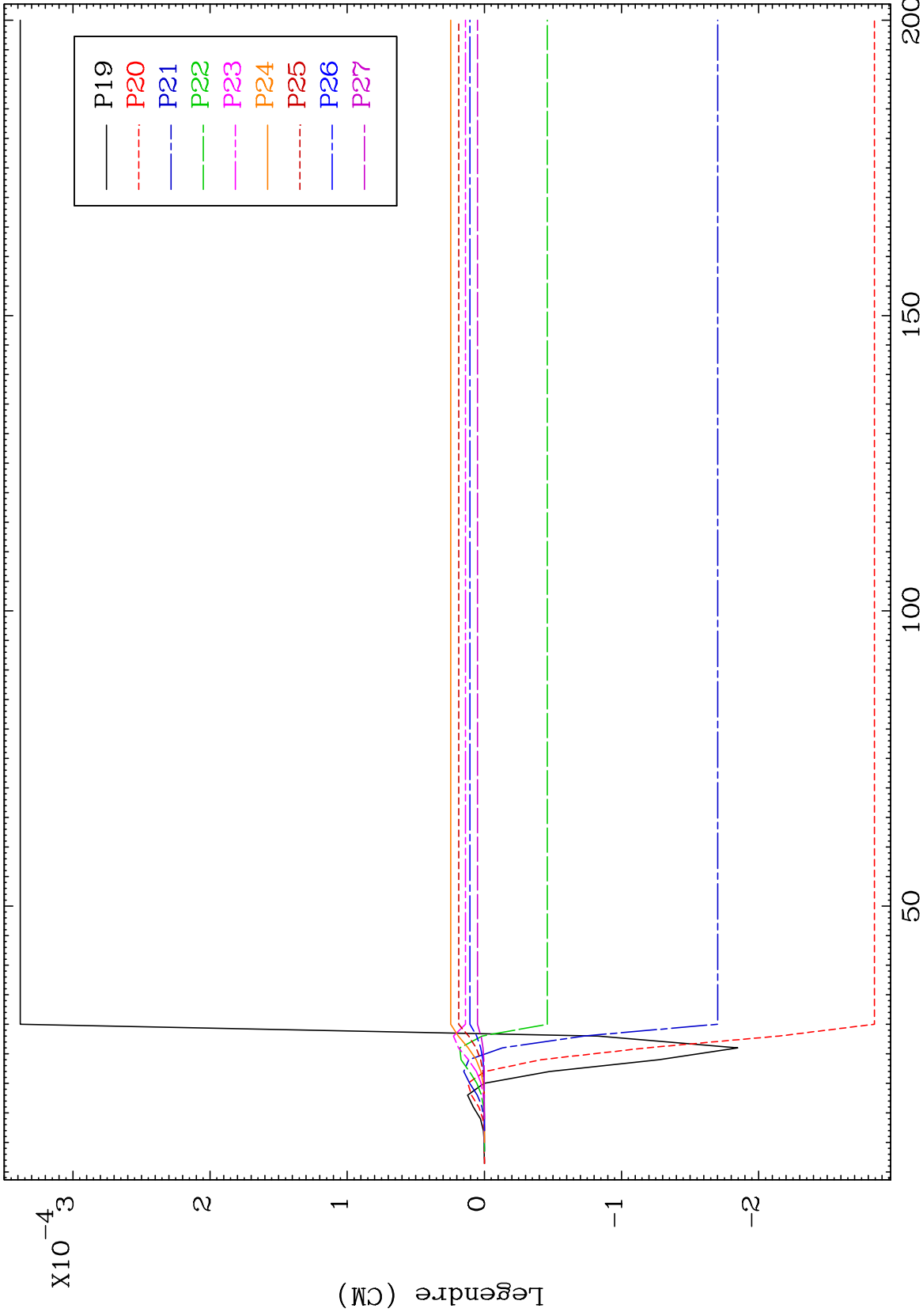
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



57

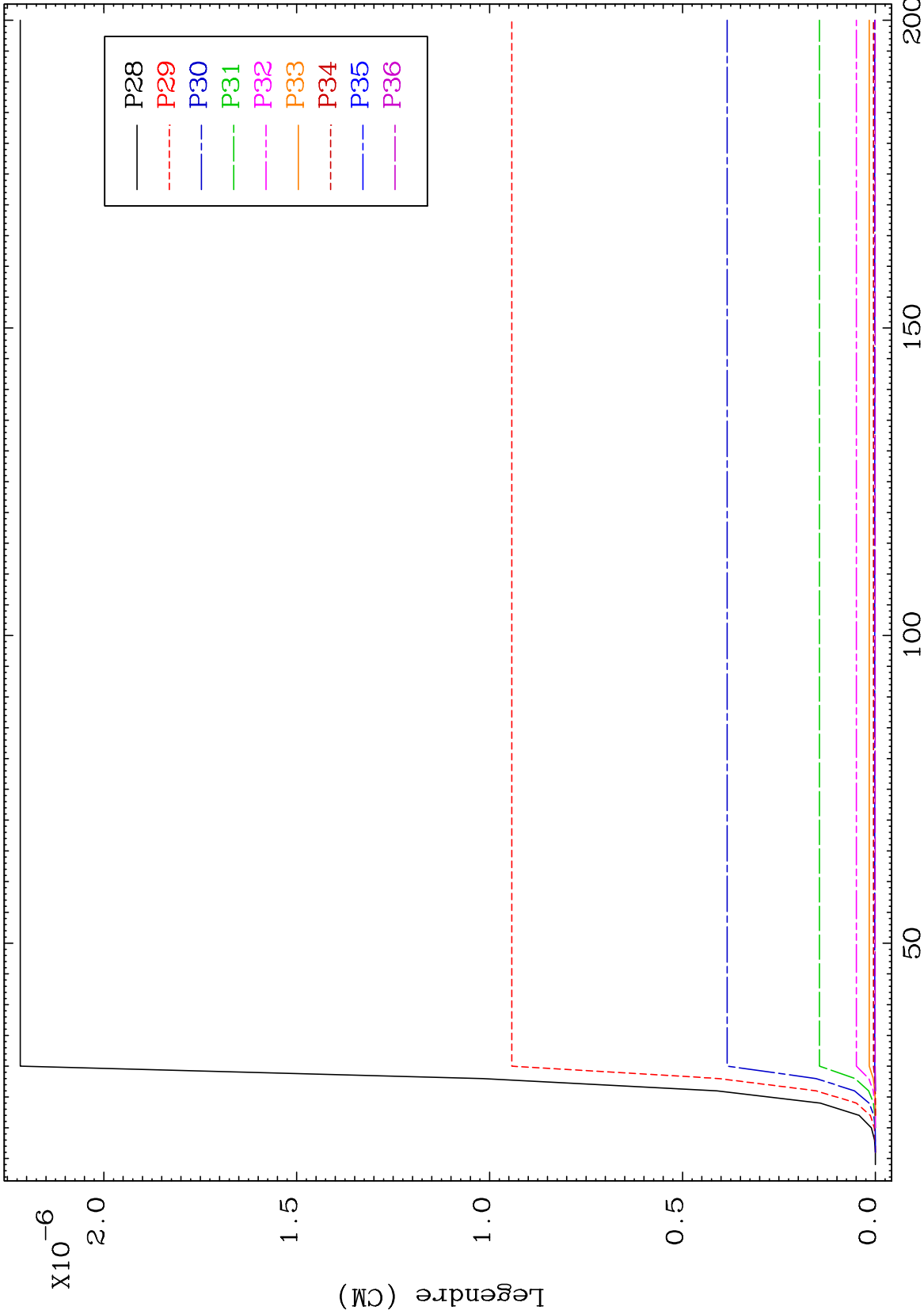
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



58

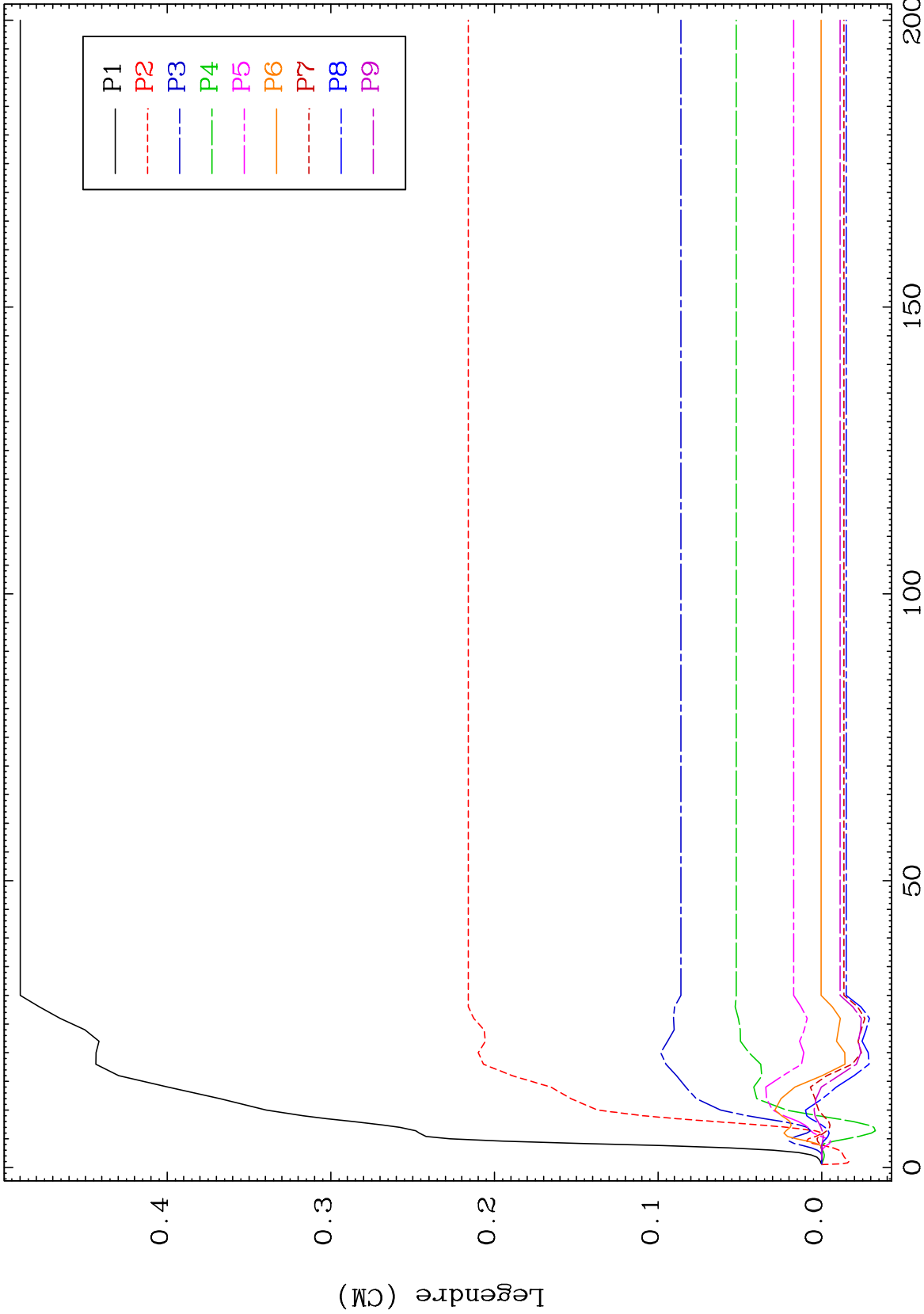
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



59

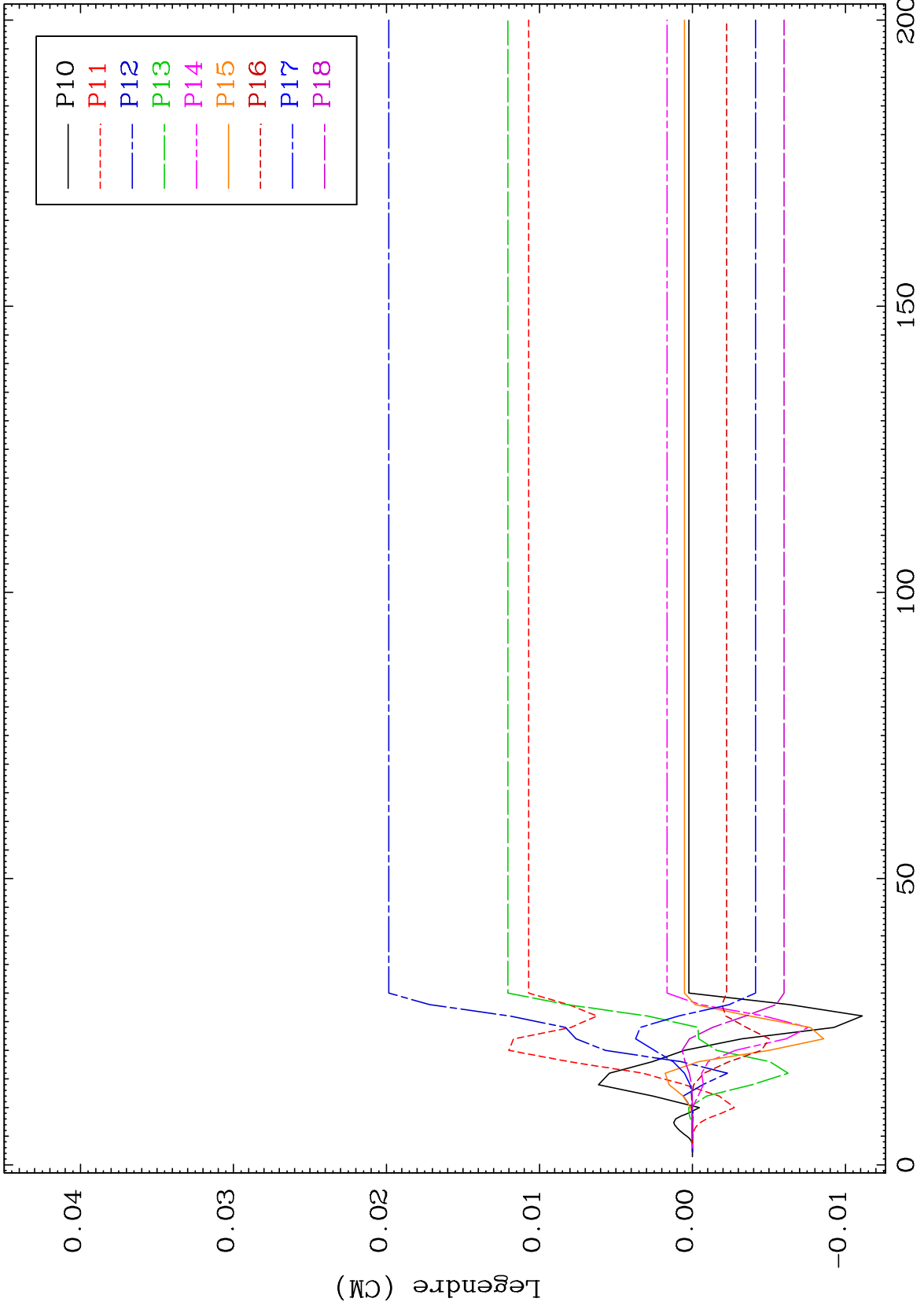
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



70-Yb-169

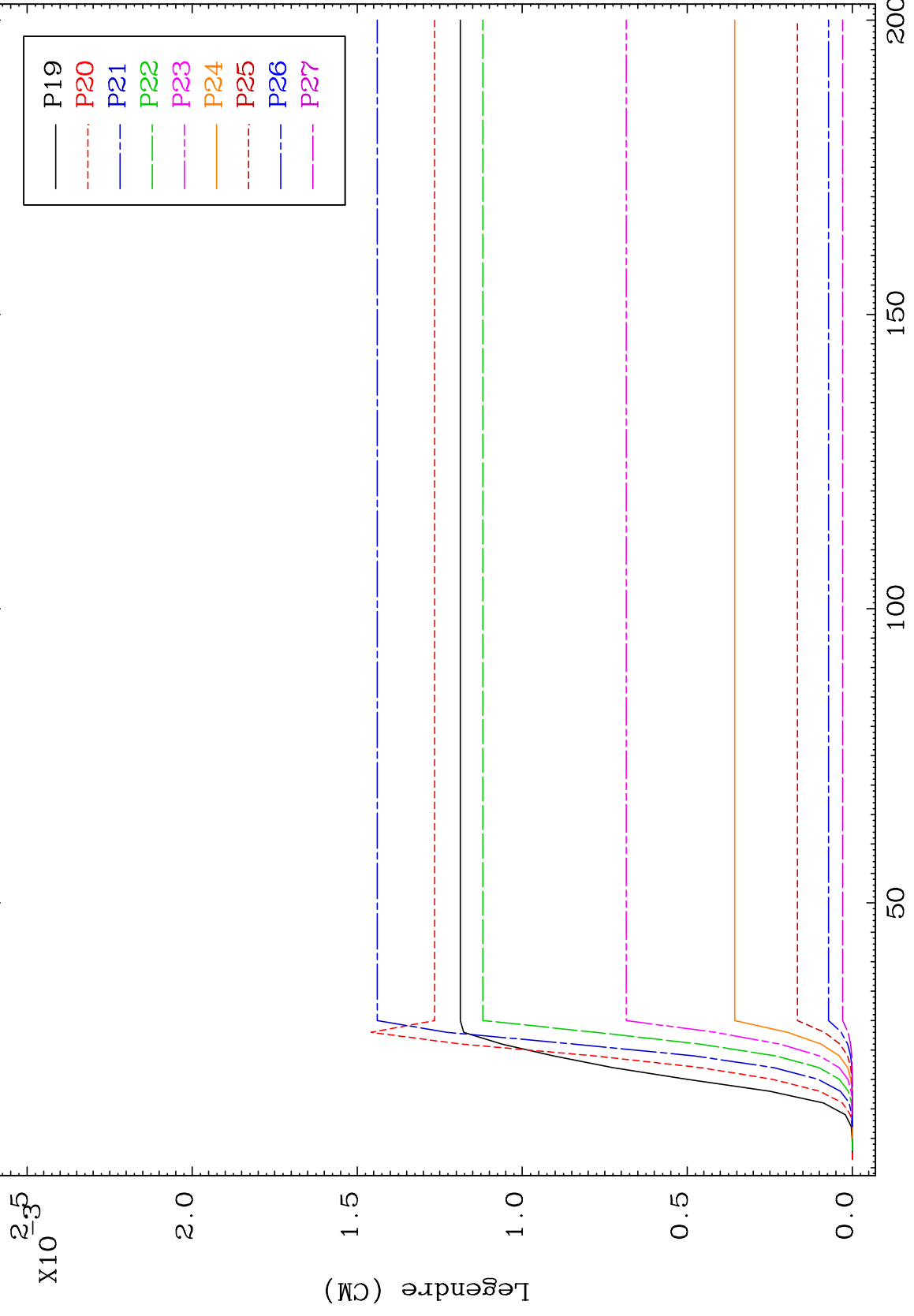
Incident Energy (MeV)

60

MAT 7028

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

70-Yb-169



61

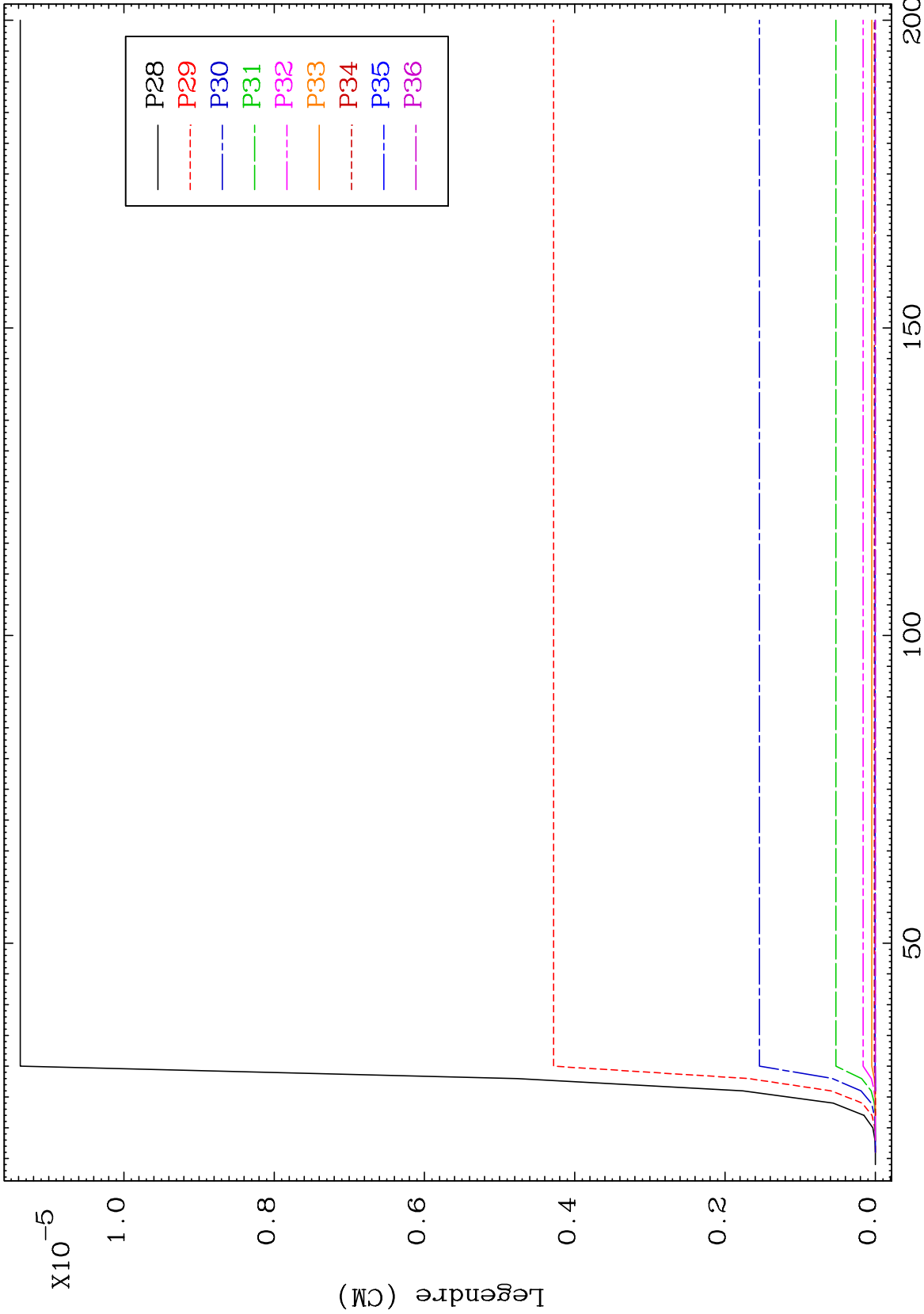
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



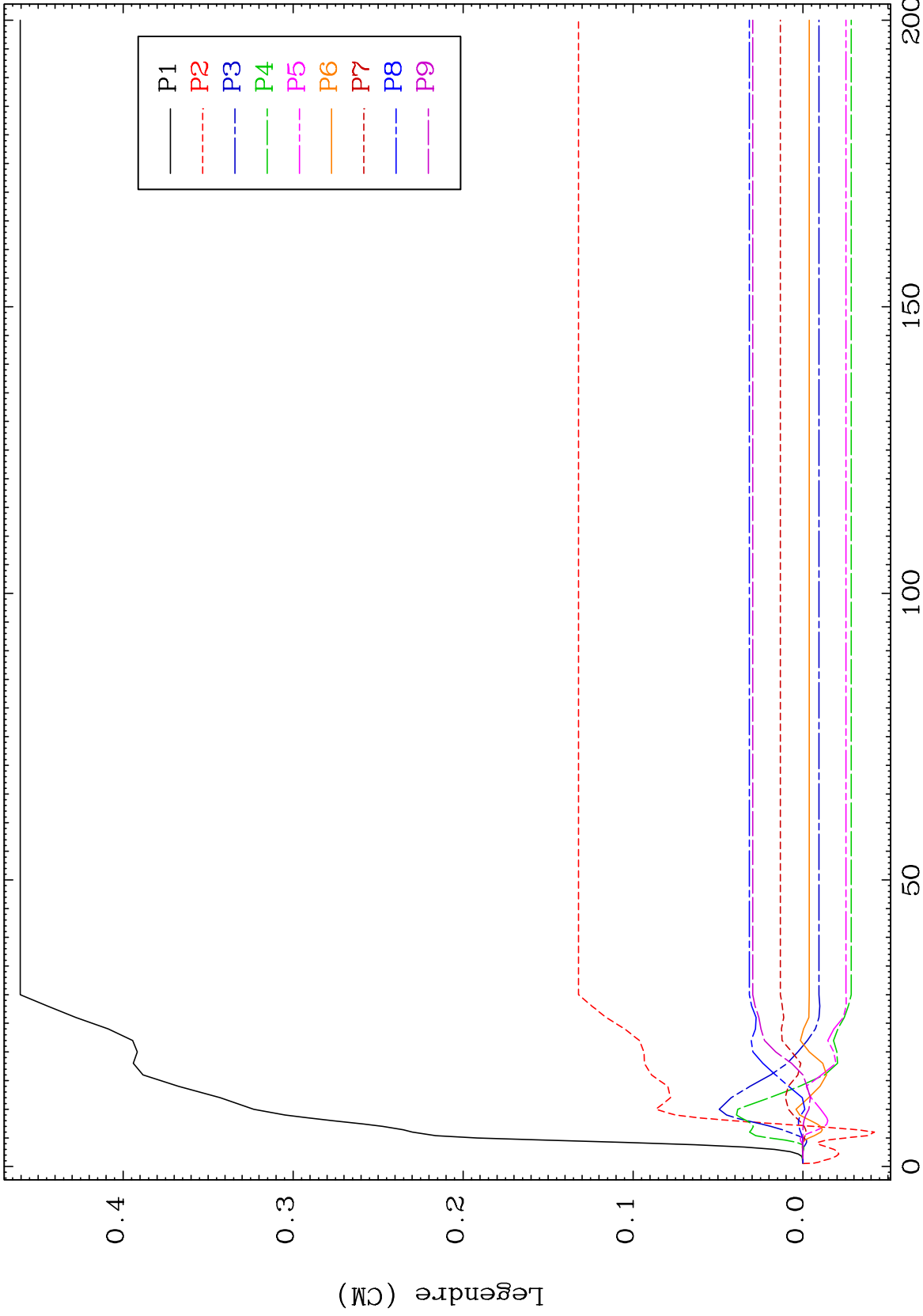
62

70-Yb-169

MAT 7028

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

70-Yb-169



63

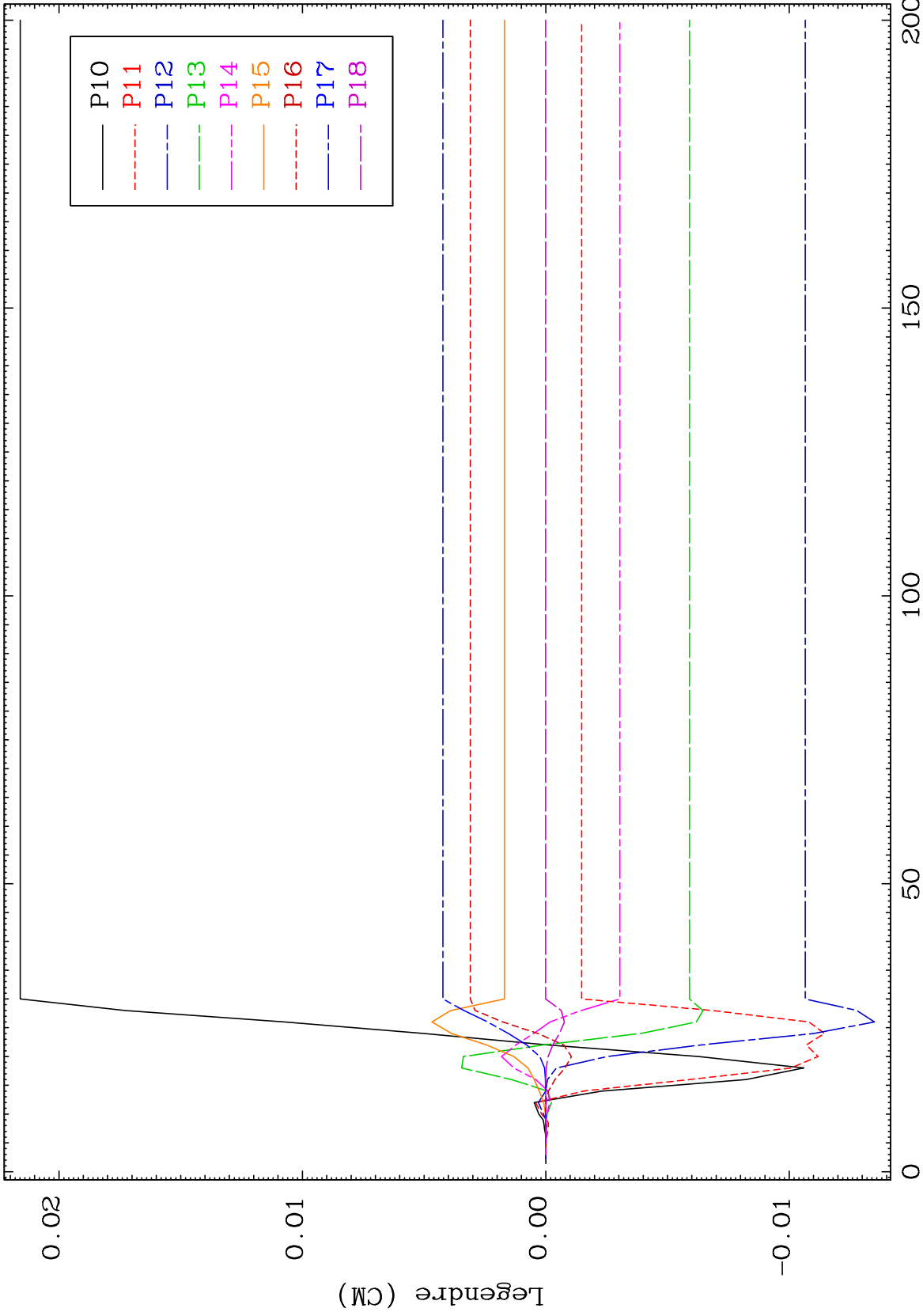
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



64

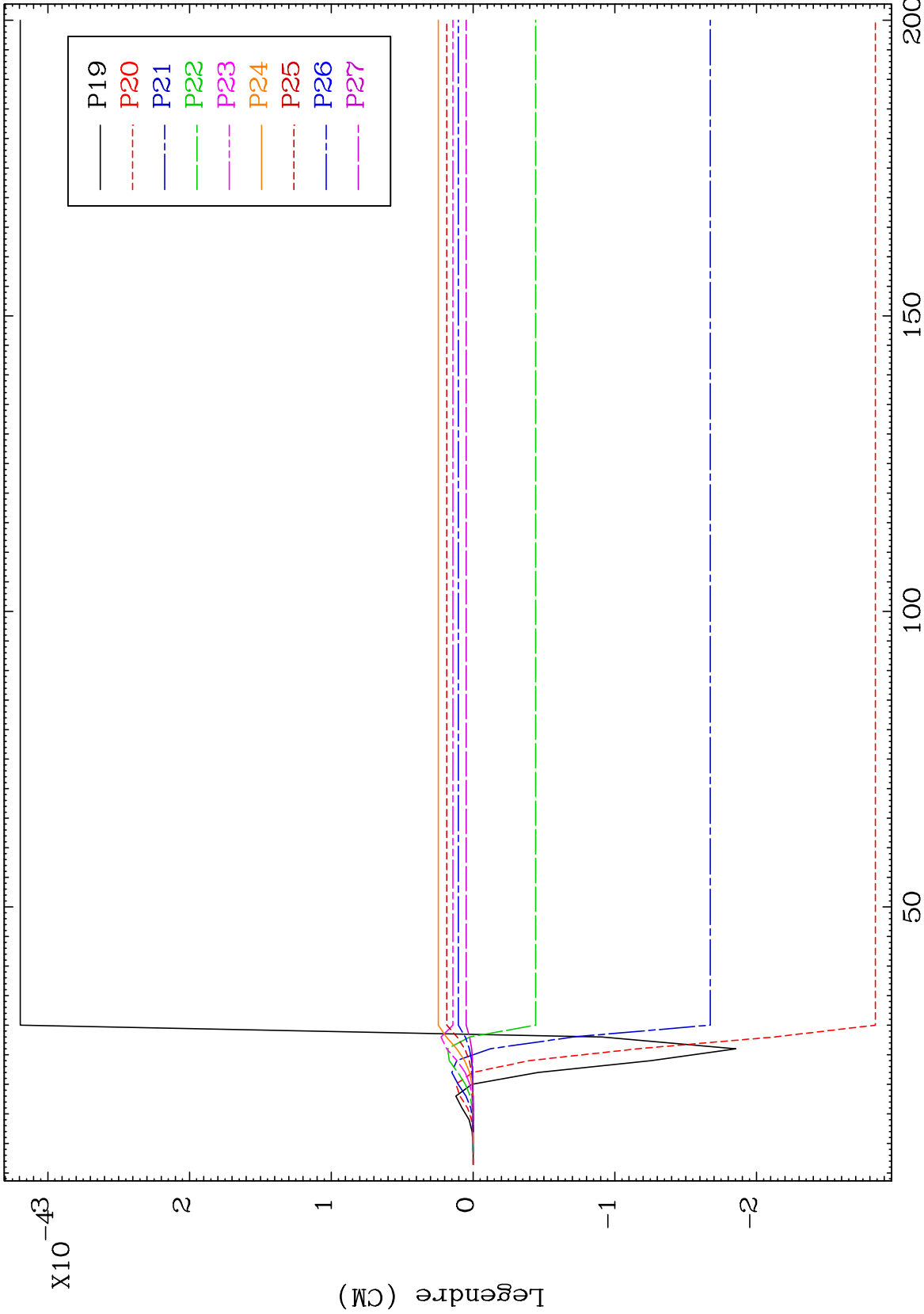
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



65

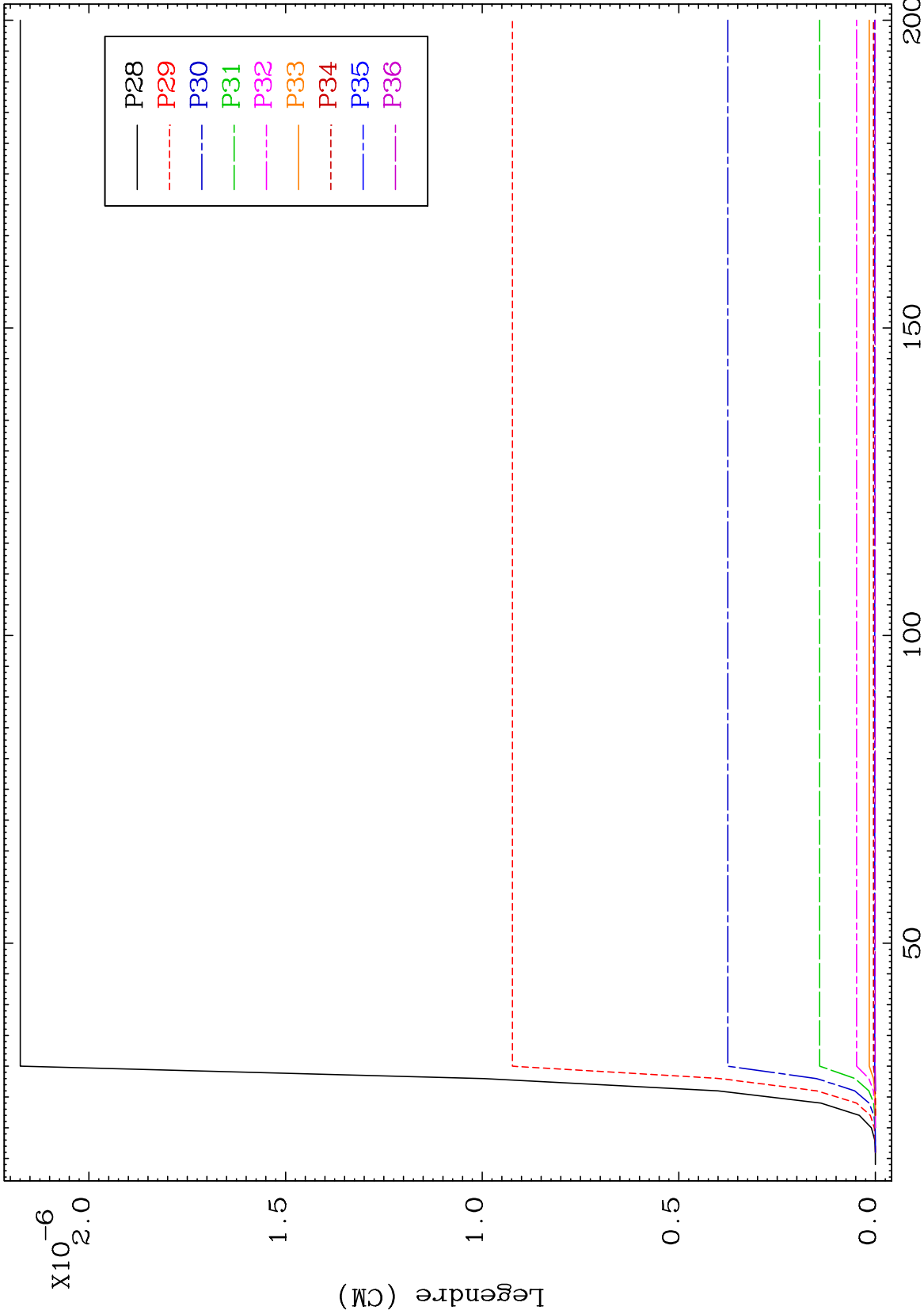
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



66

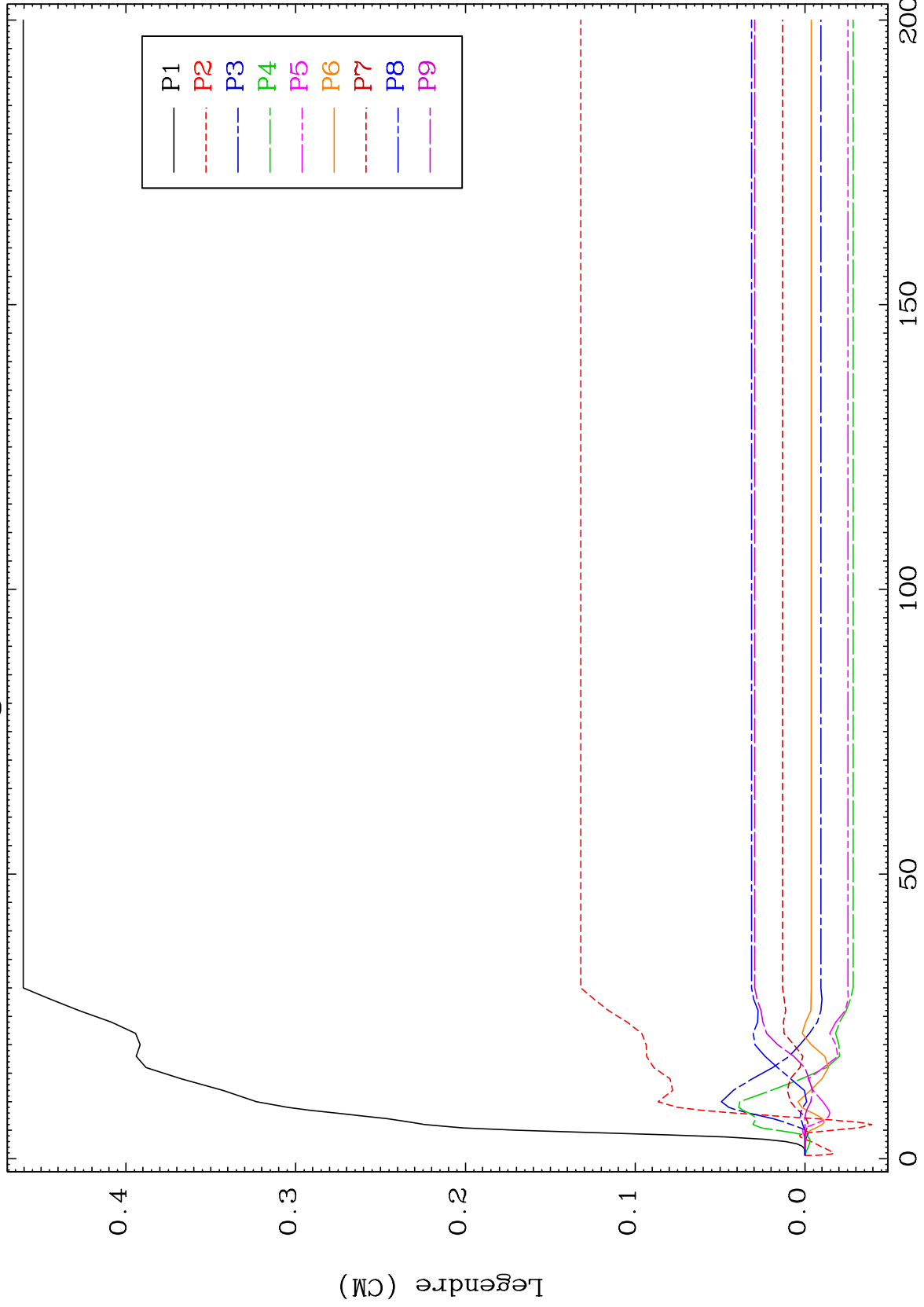
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



67

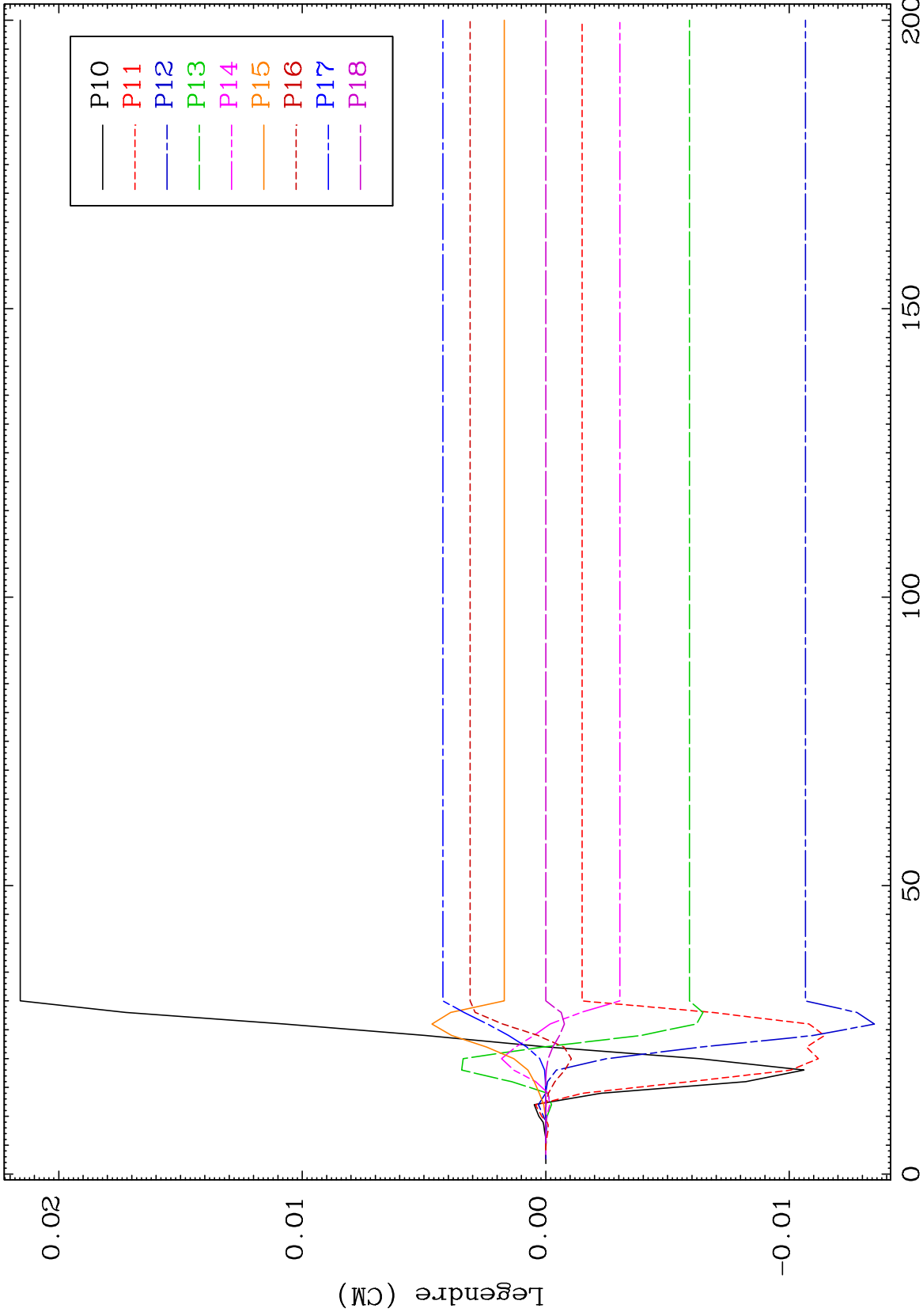
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



68

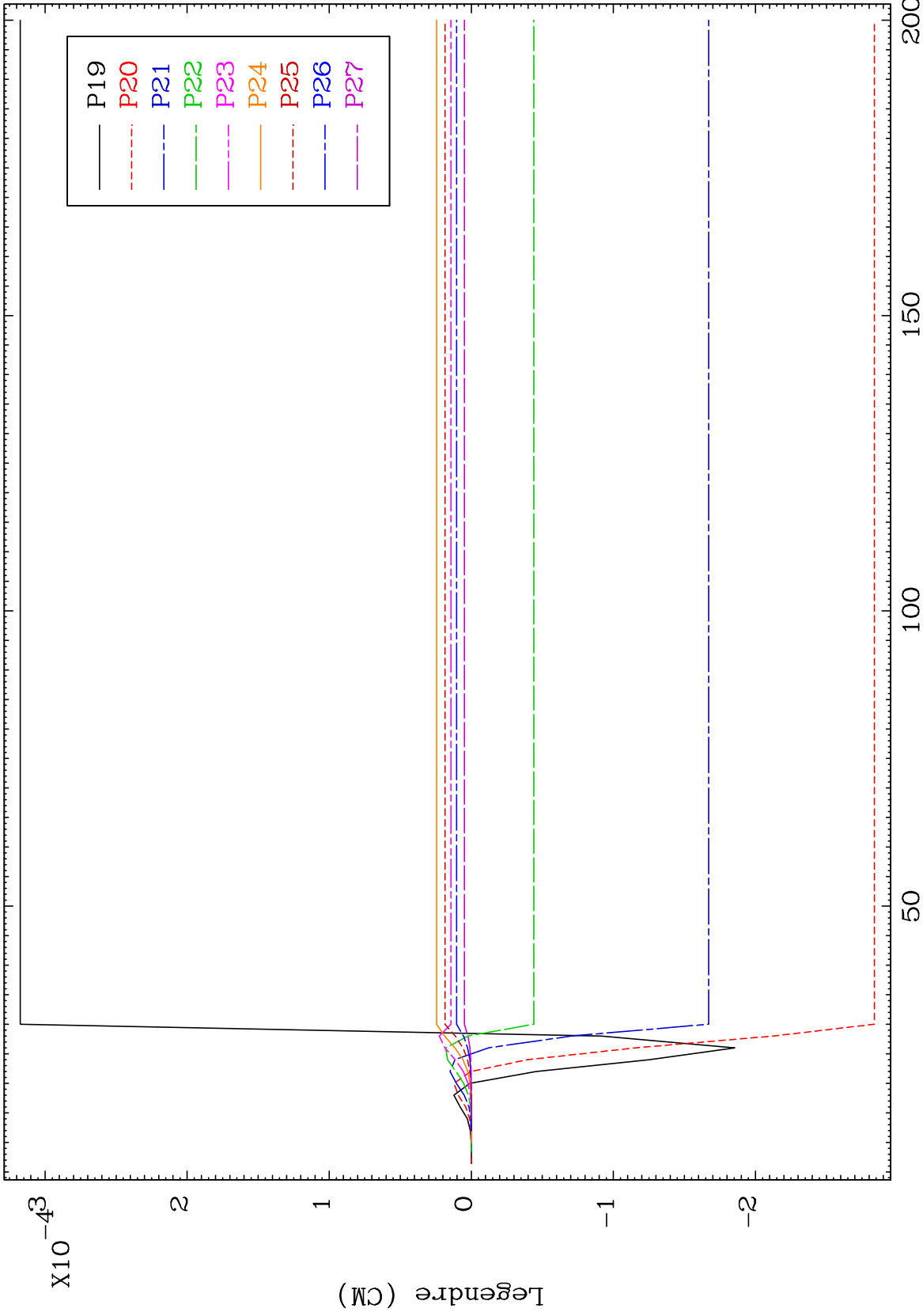
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

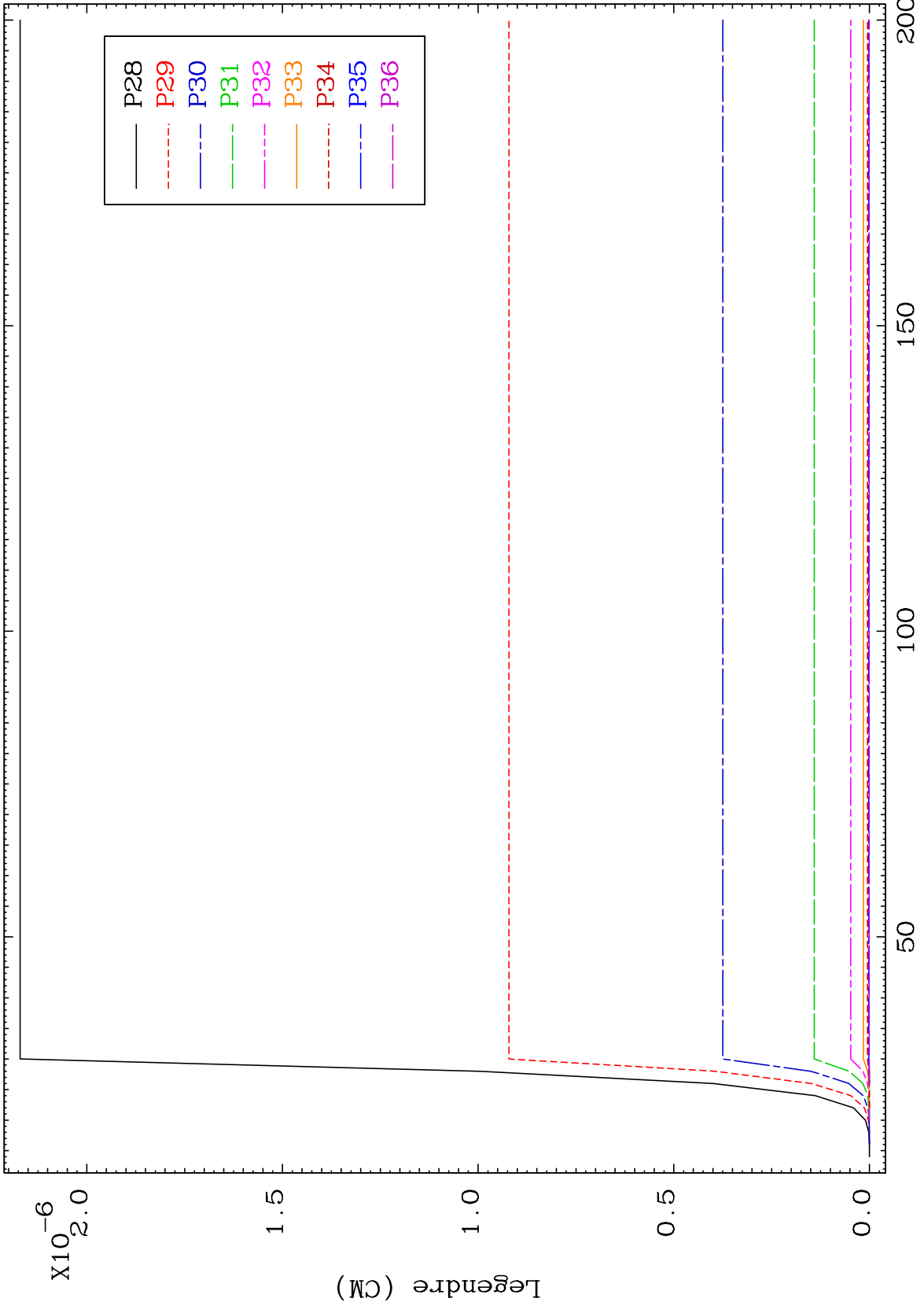
70-Yb-169



69

70-Yb-169

MAT 7028 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-169

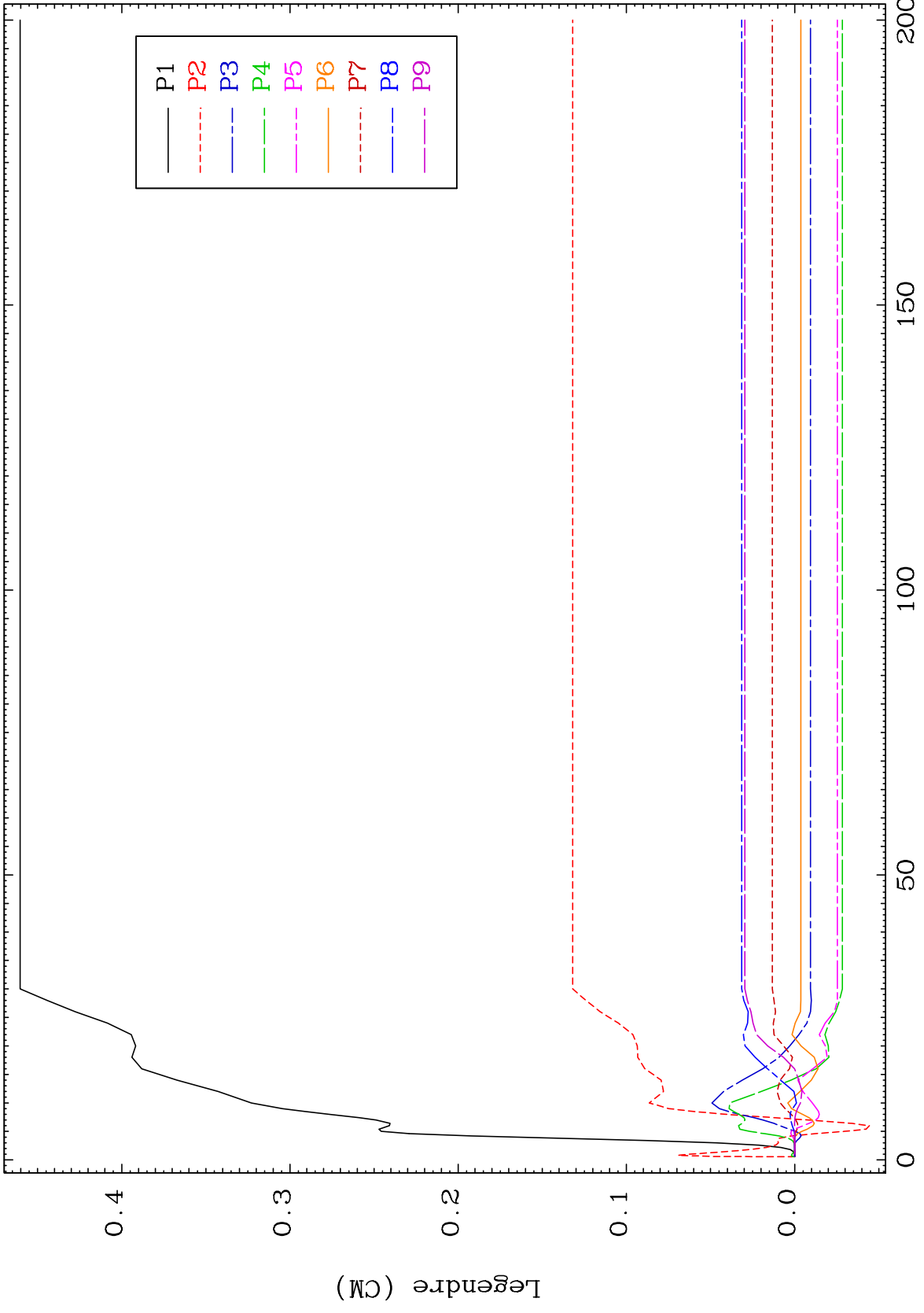


70-Yb-169

MAT 7028

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

70-Yb-169



71

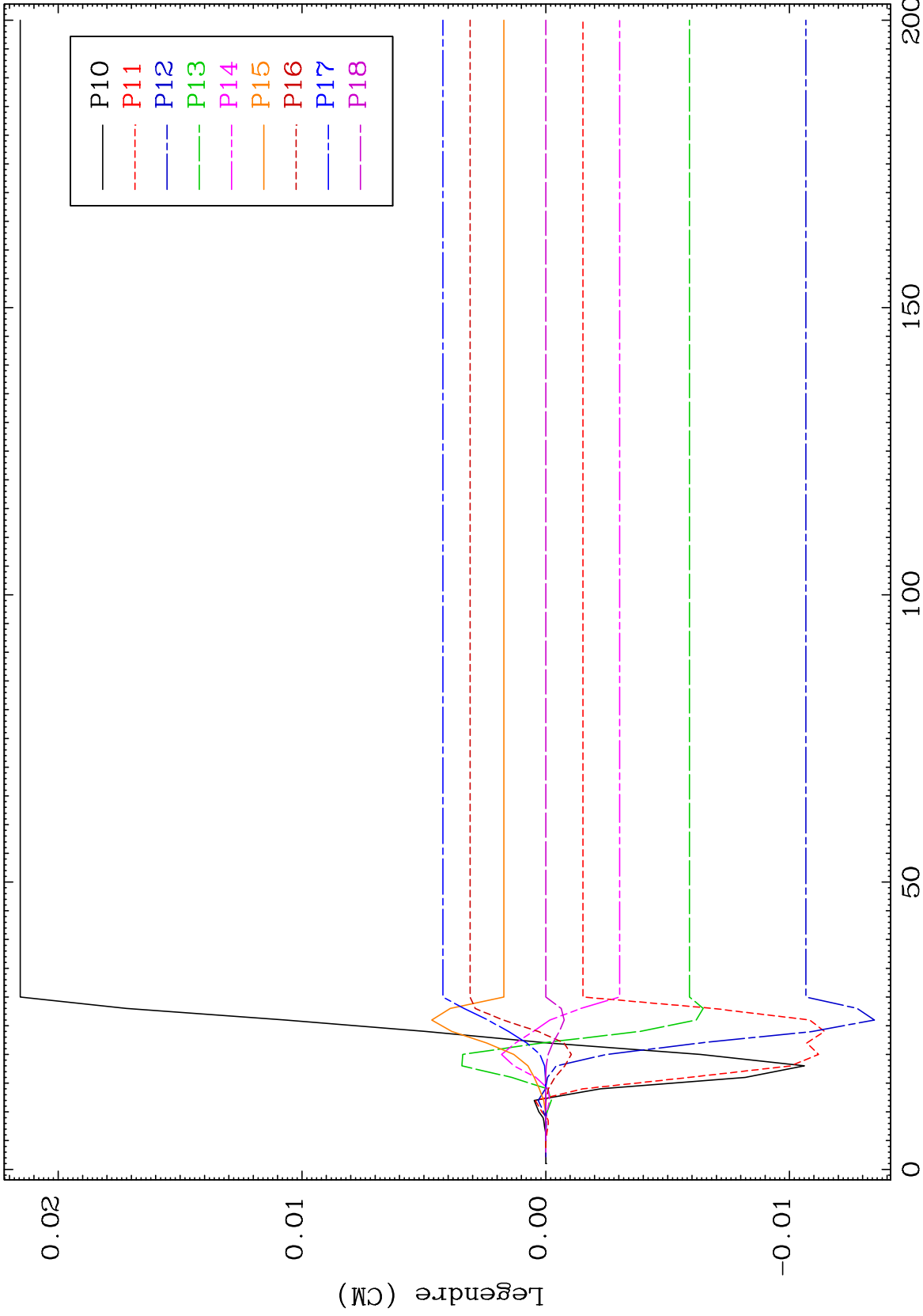
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



72

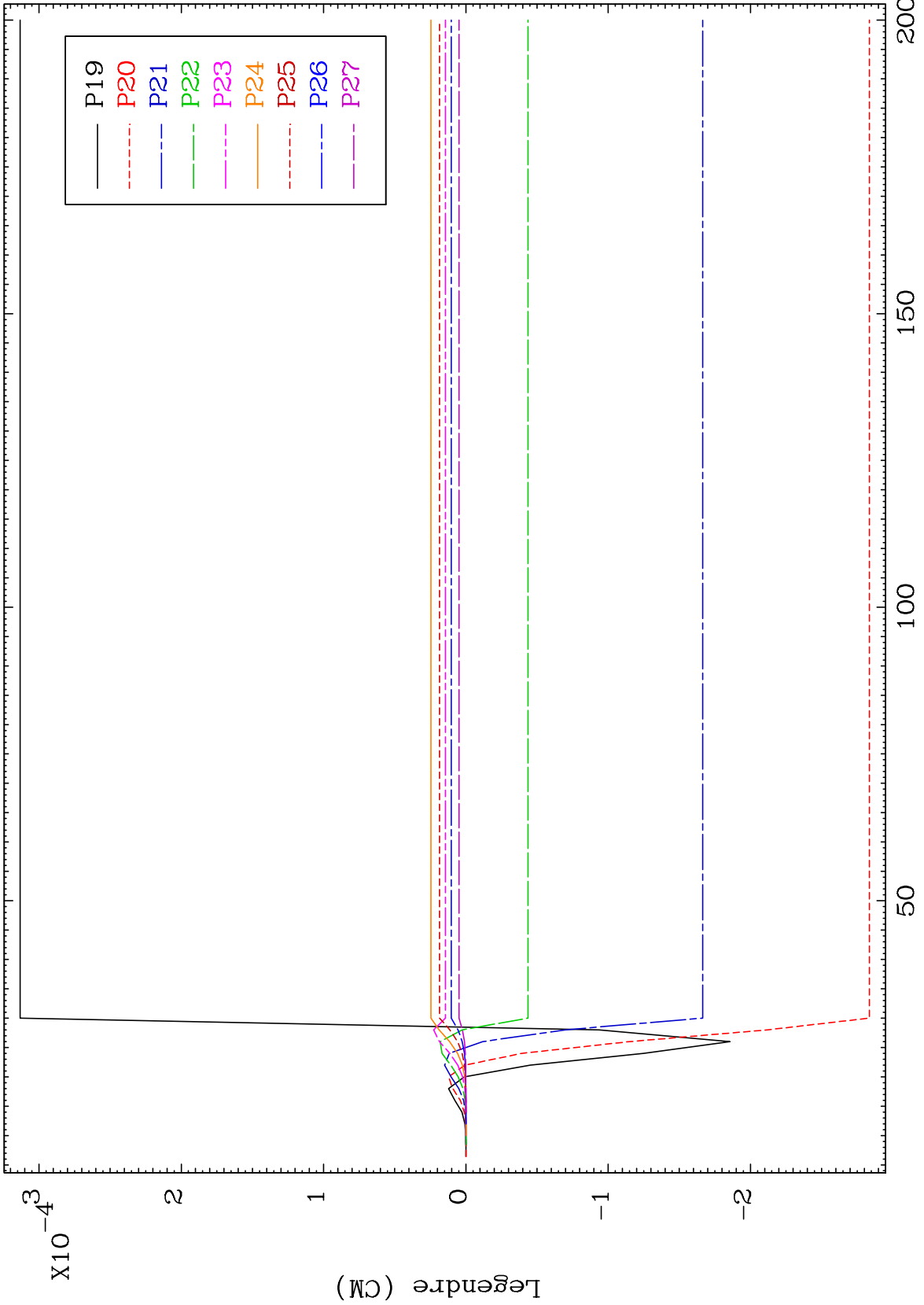
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

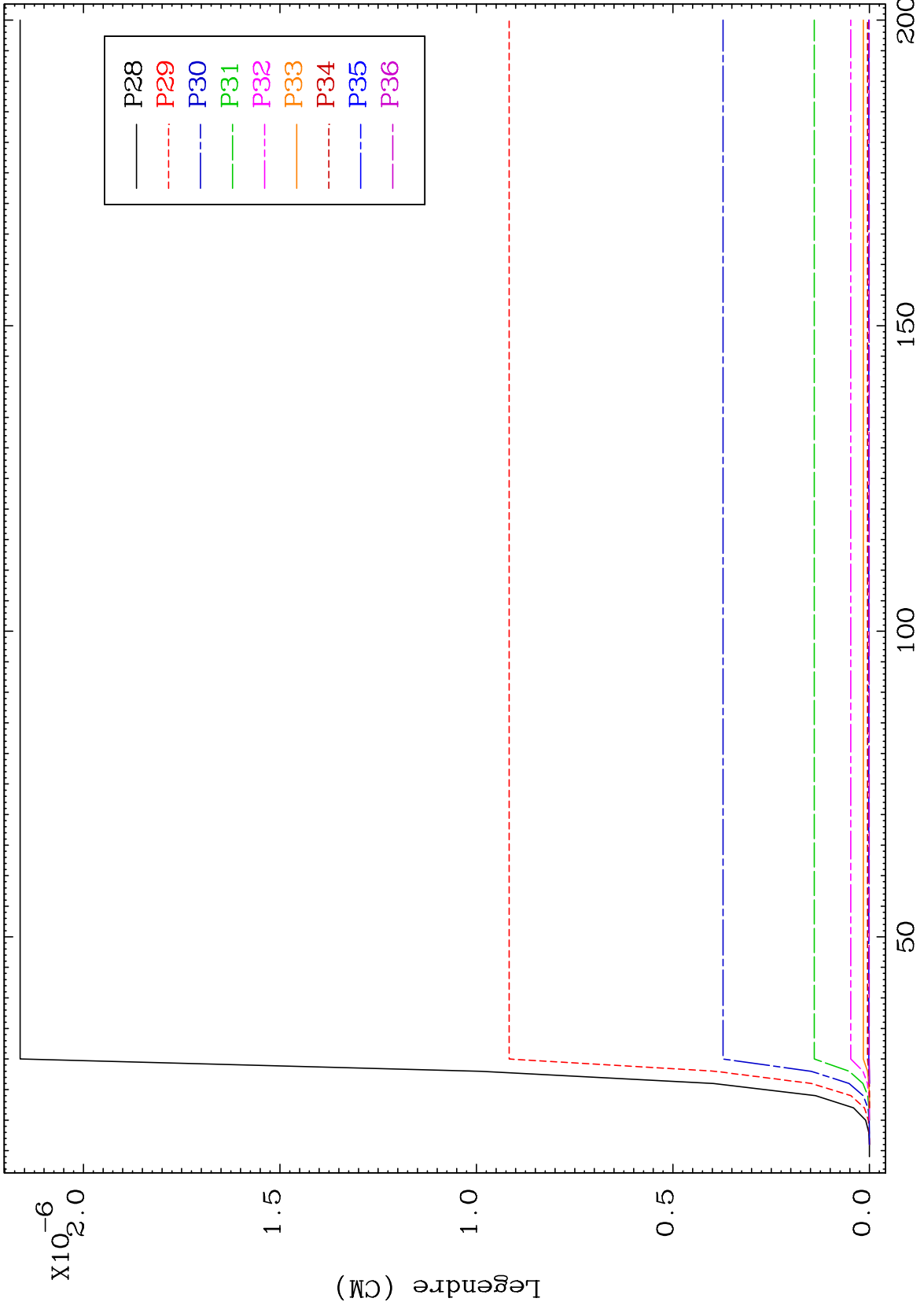
70-Yb-169



73

70-Yb-169

MAT 7028 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-169

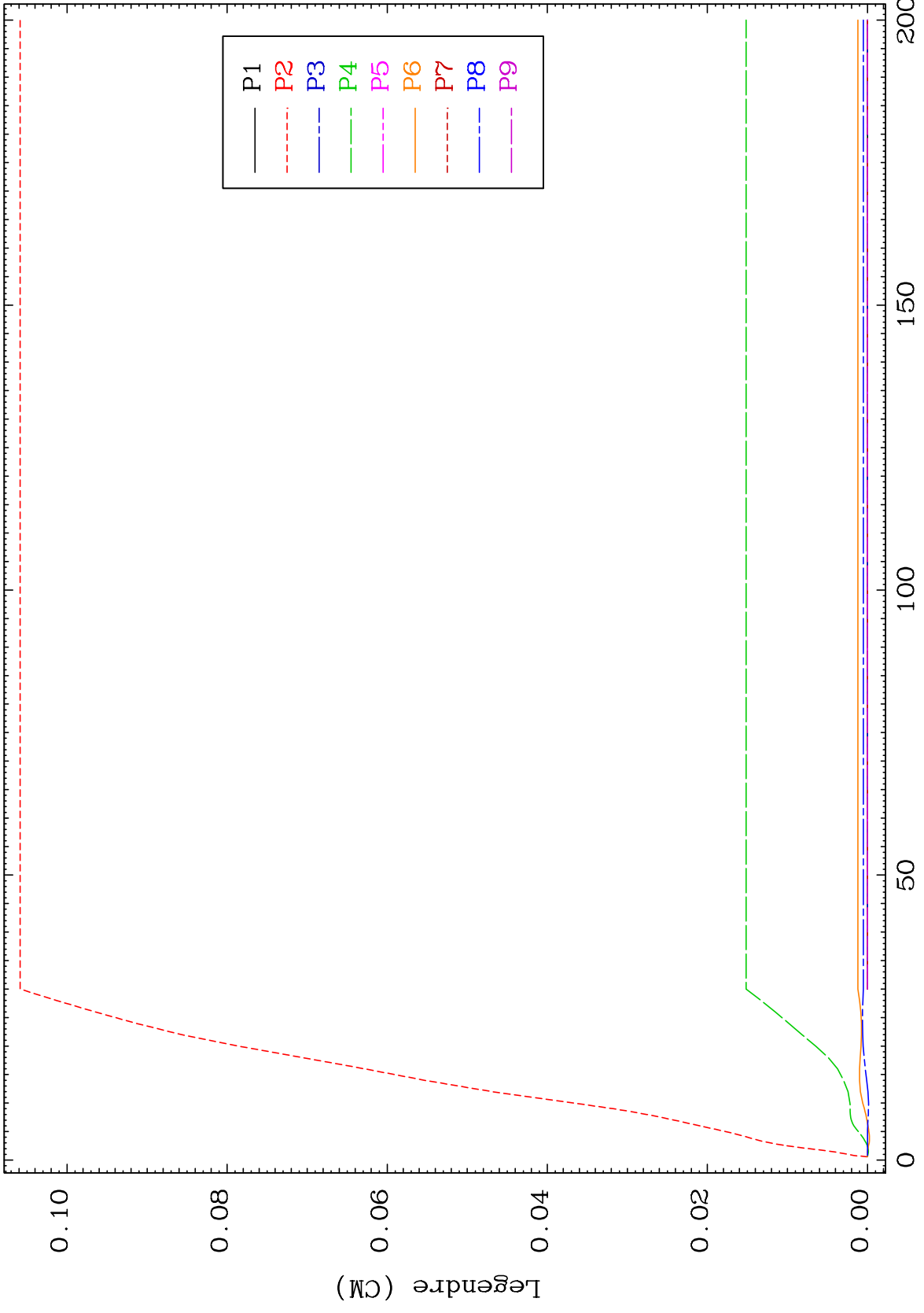


74 70-Yb-169

MAT 7028

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

70-Yb-169



75

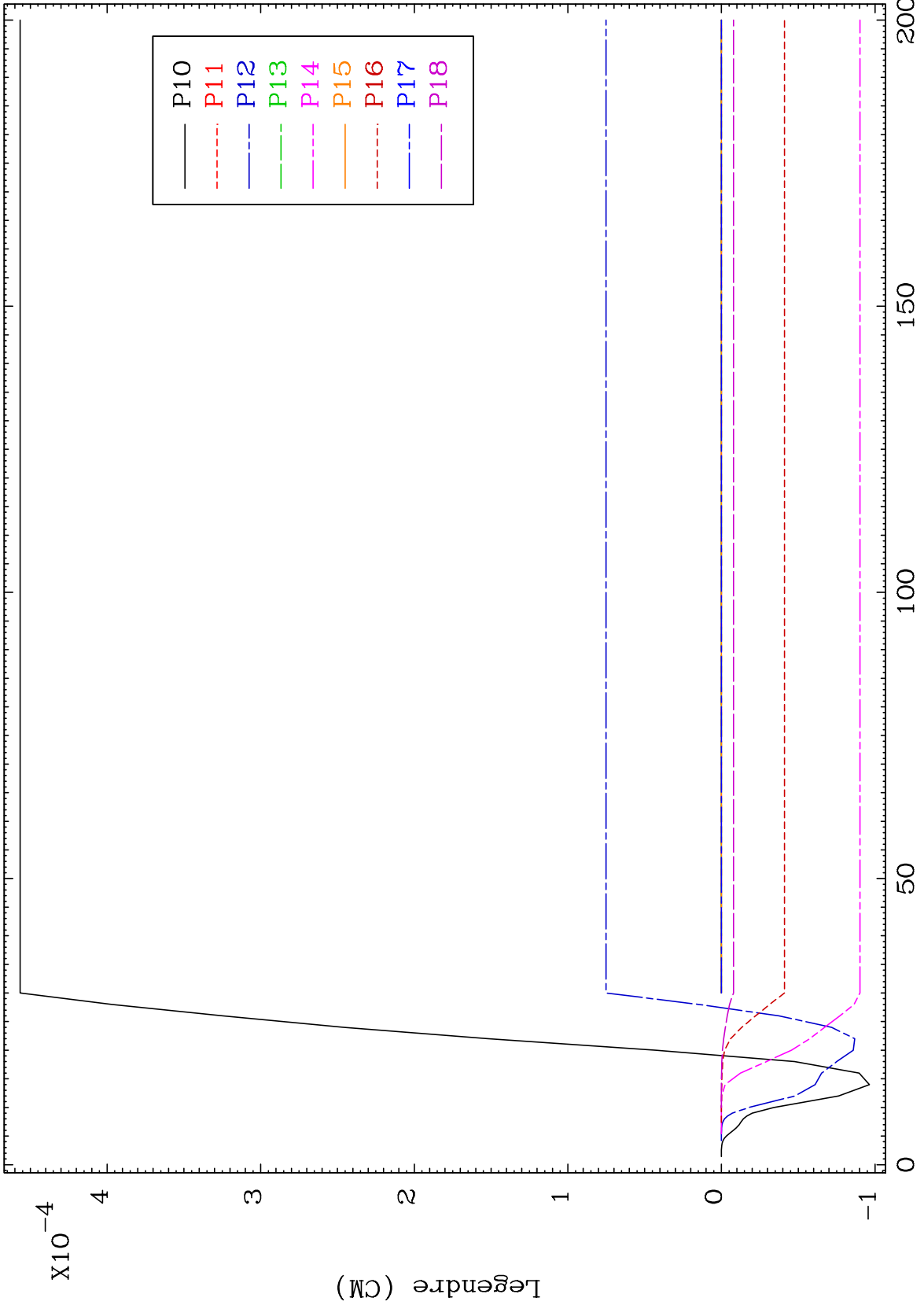
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



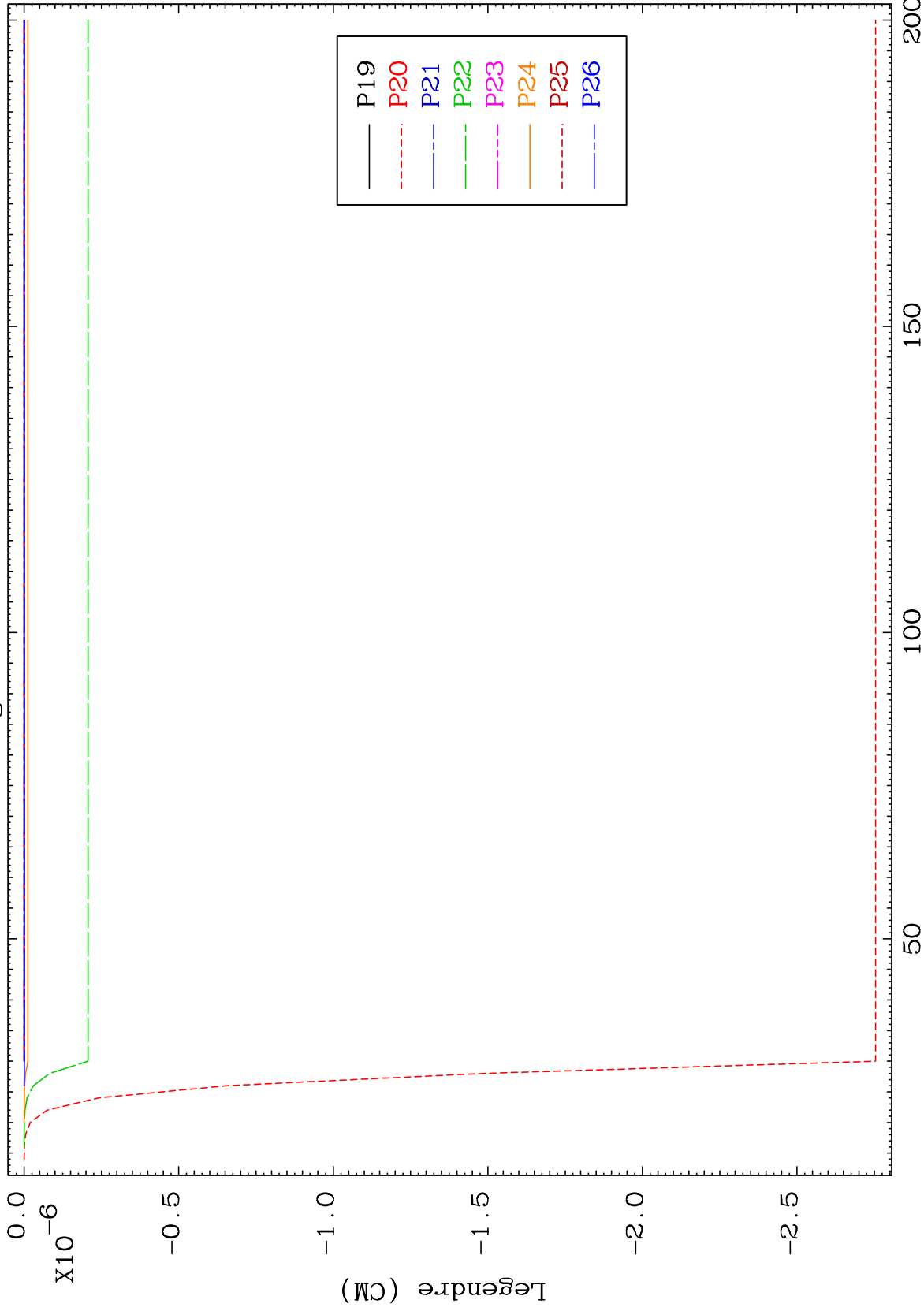
76

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 67 (n,n') Level 70-Yb-169

Legendre Coefficients

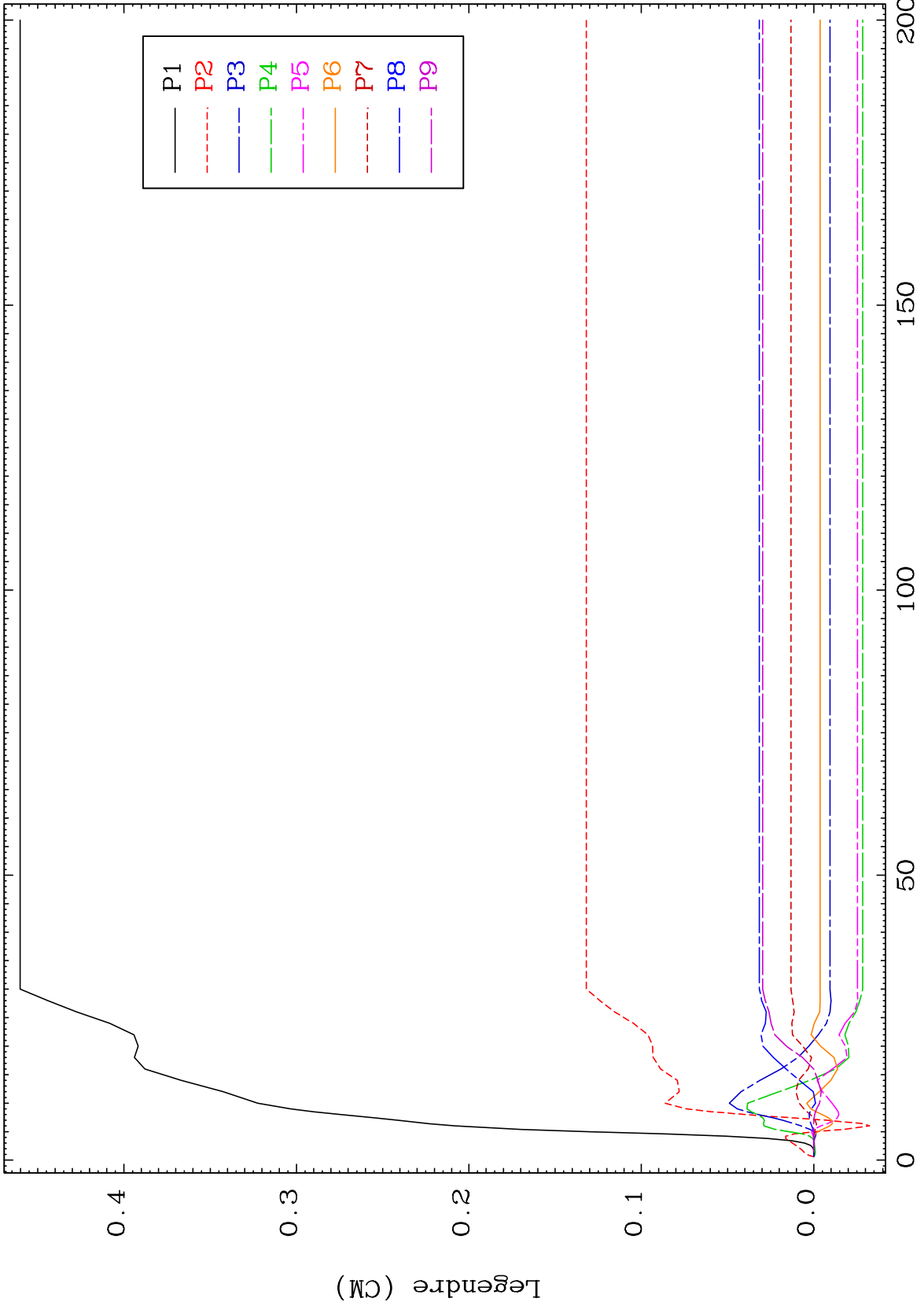


70-Yb-169

Incident Energy (MeV)

77

MAT 7028 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-169

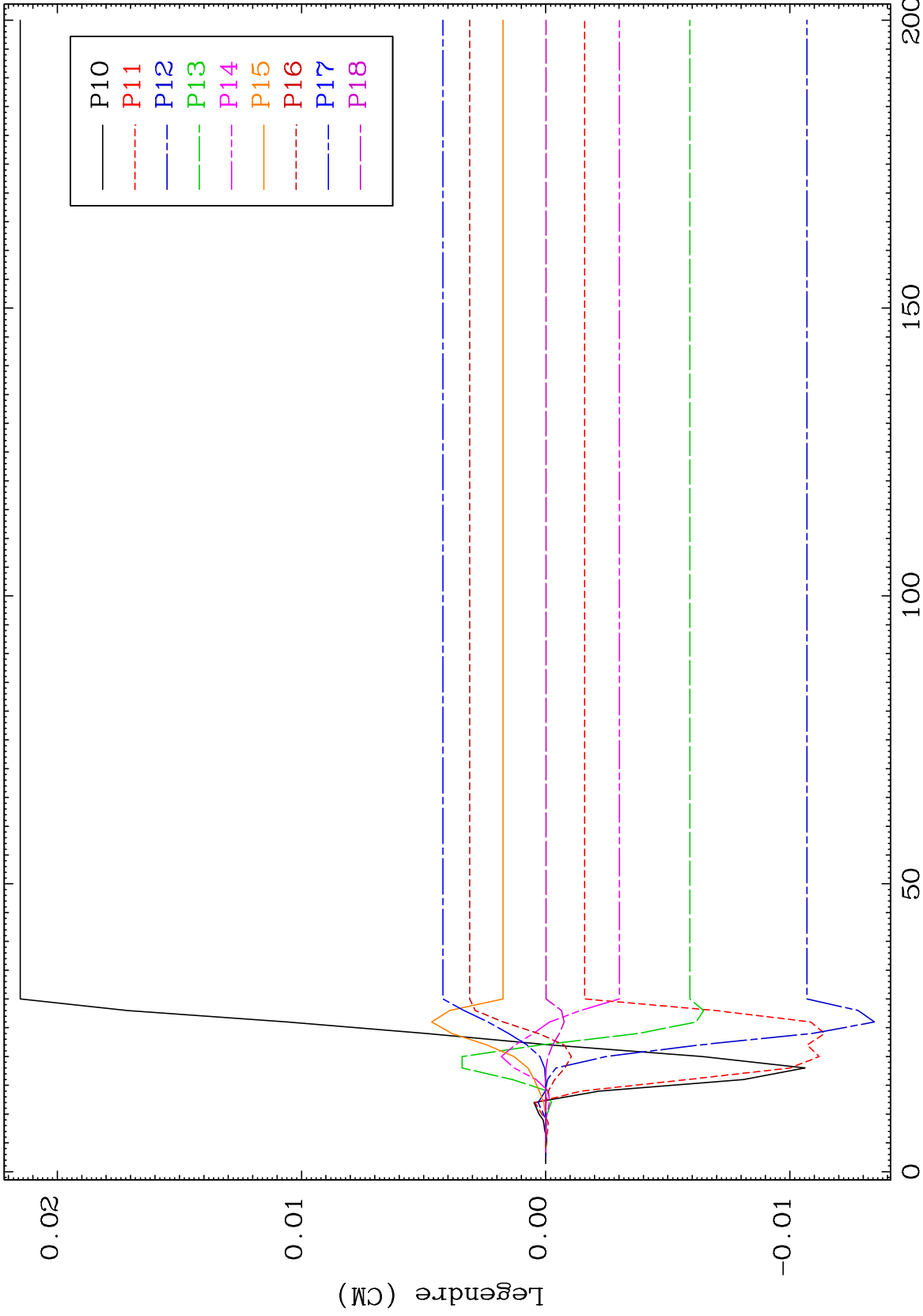


78 70-Yb-169

MAT 7028

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

70-Yb-169



79

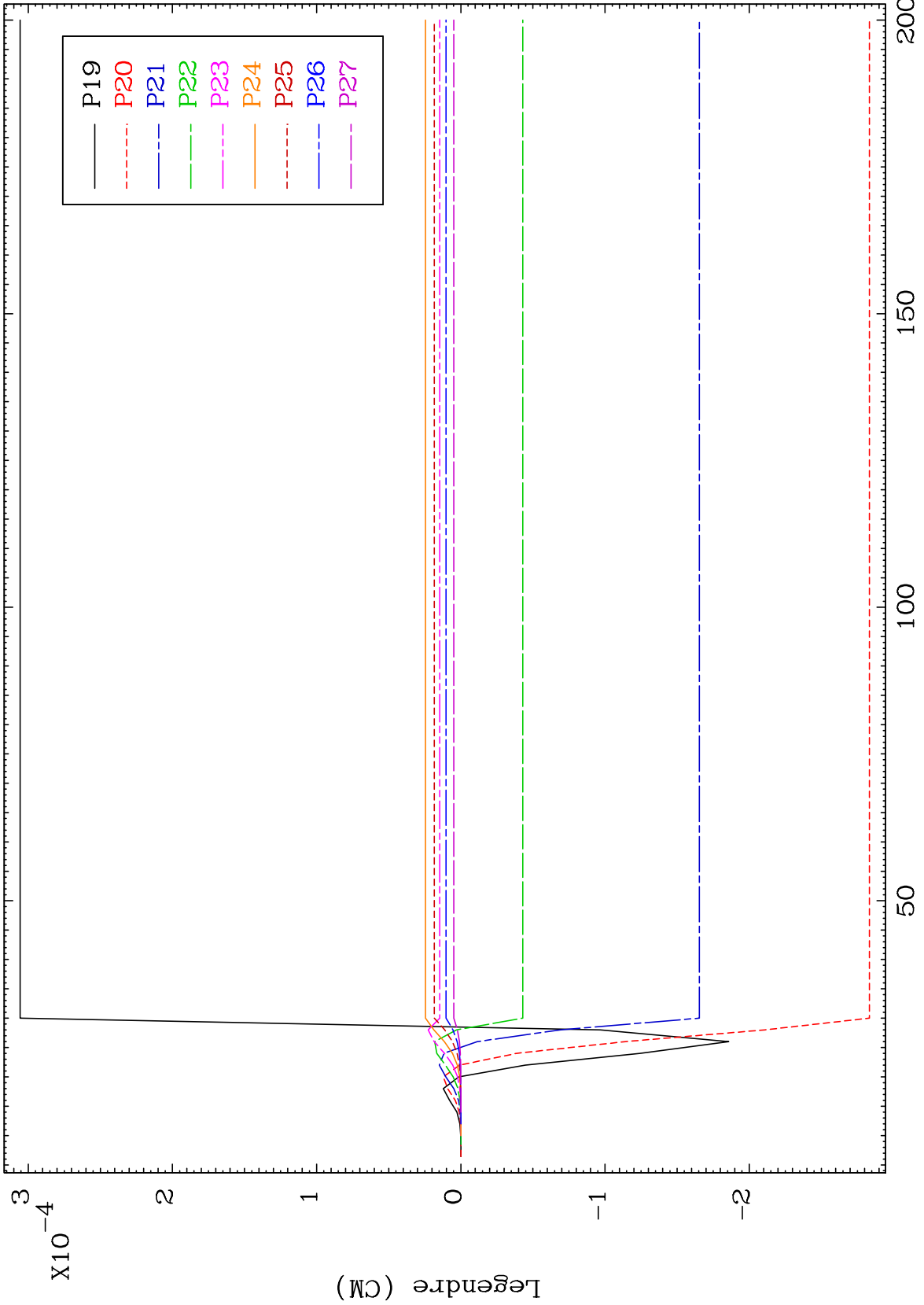
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

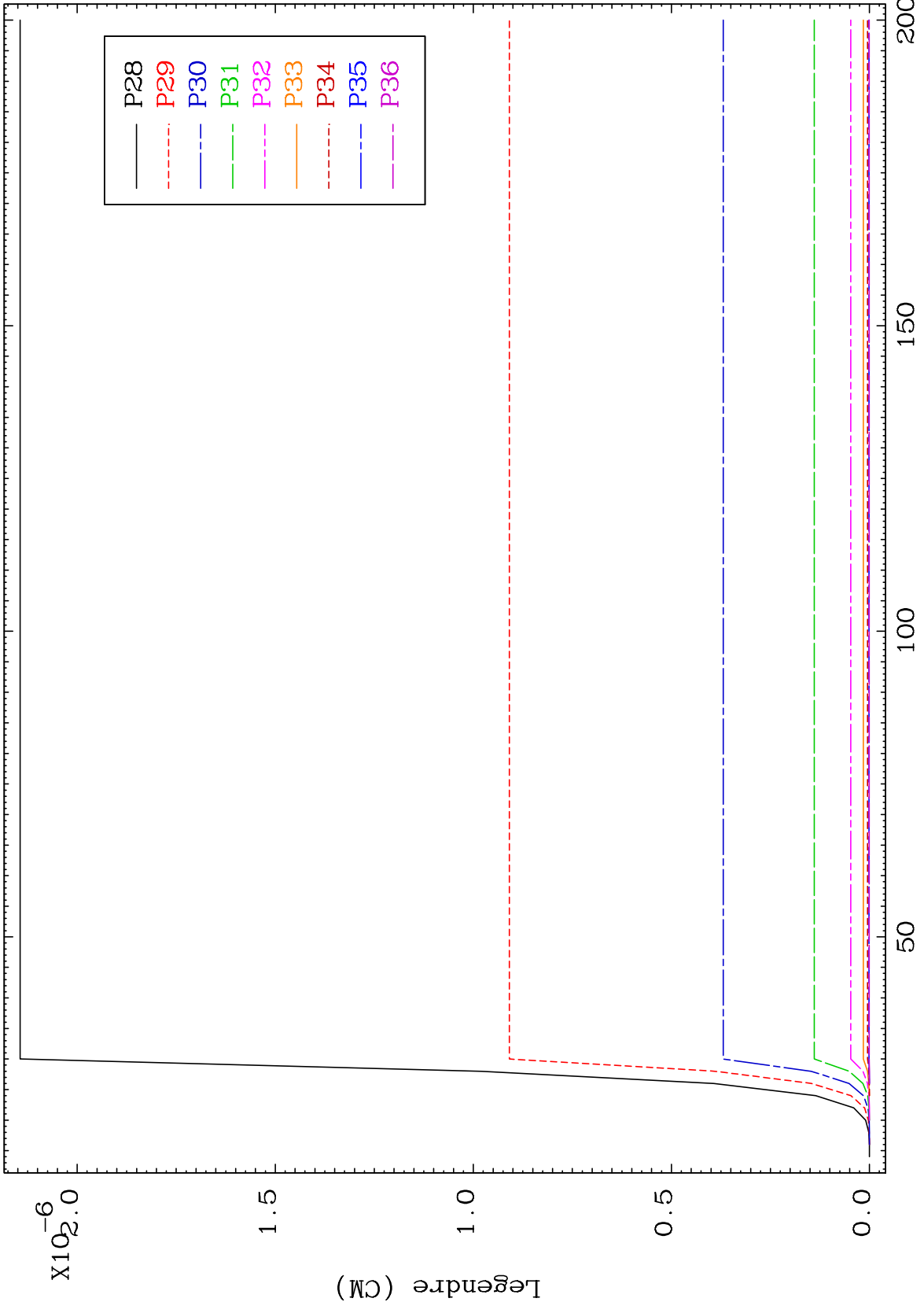
70-Yb-169



80

Incident Energy (MeV)

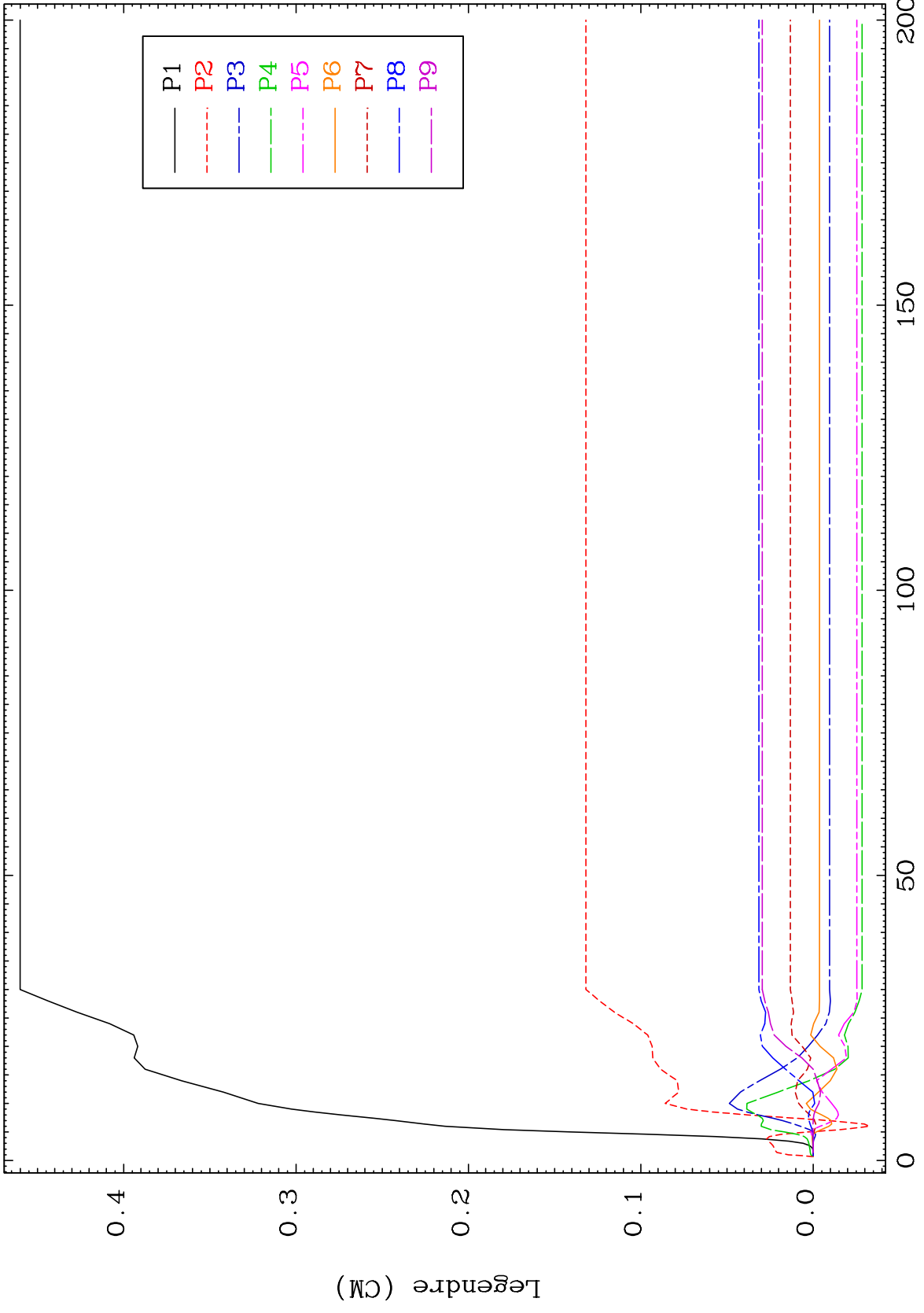
70-Yb-169



MAT 7028

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

70-Yb-169



82

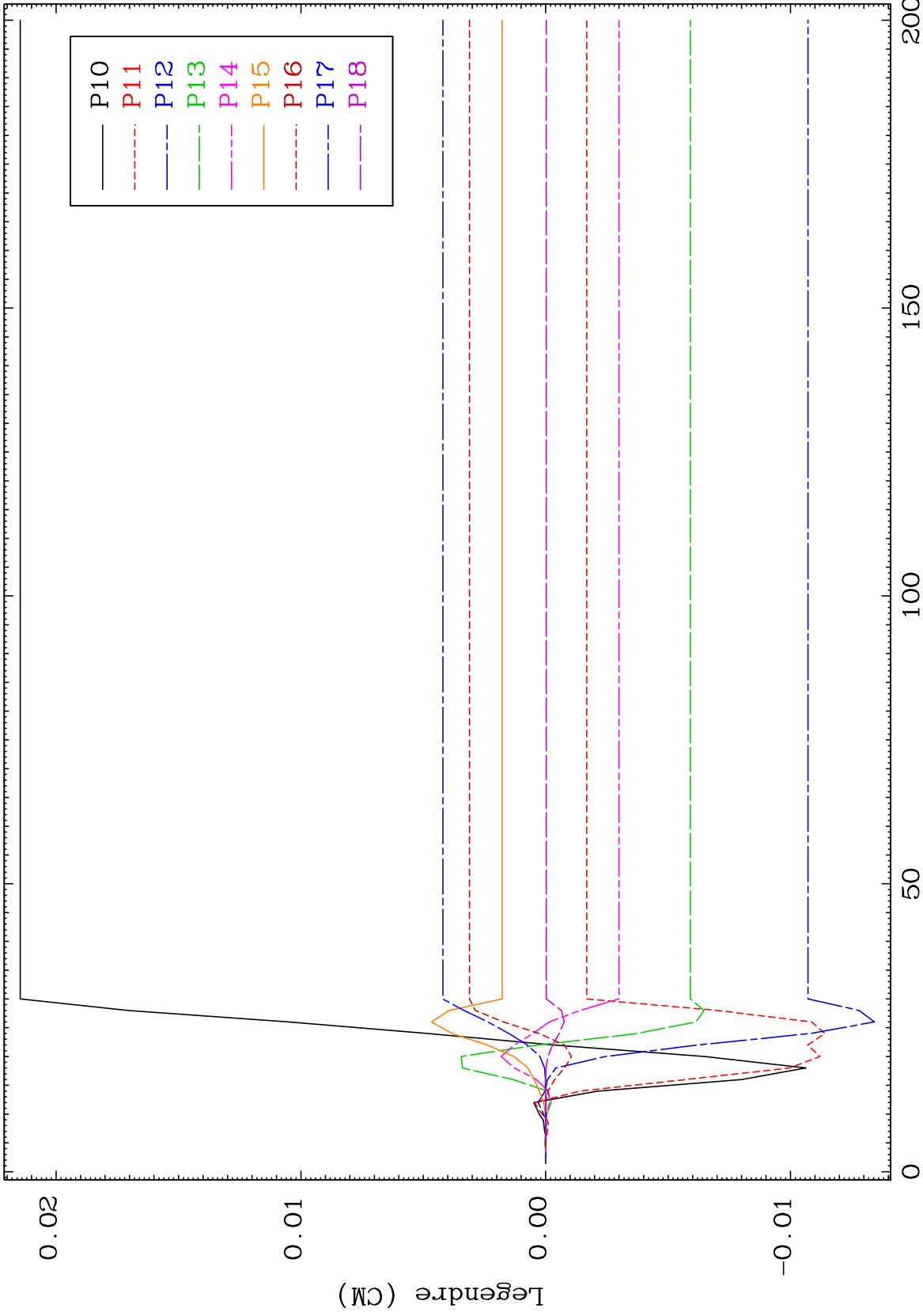
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



83

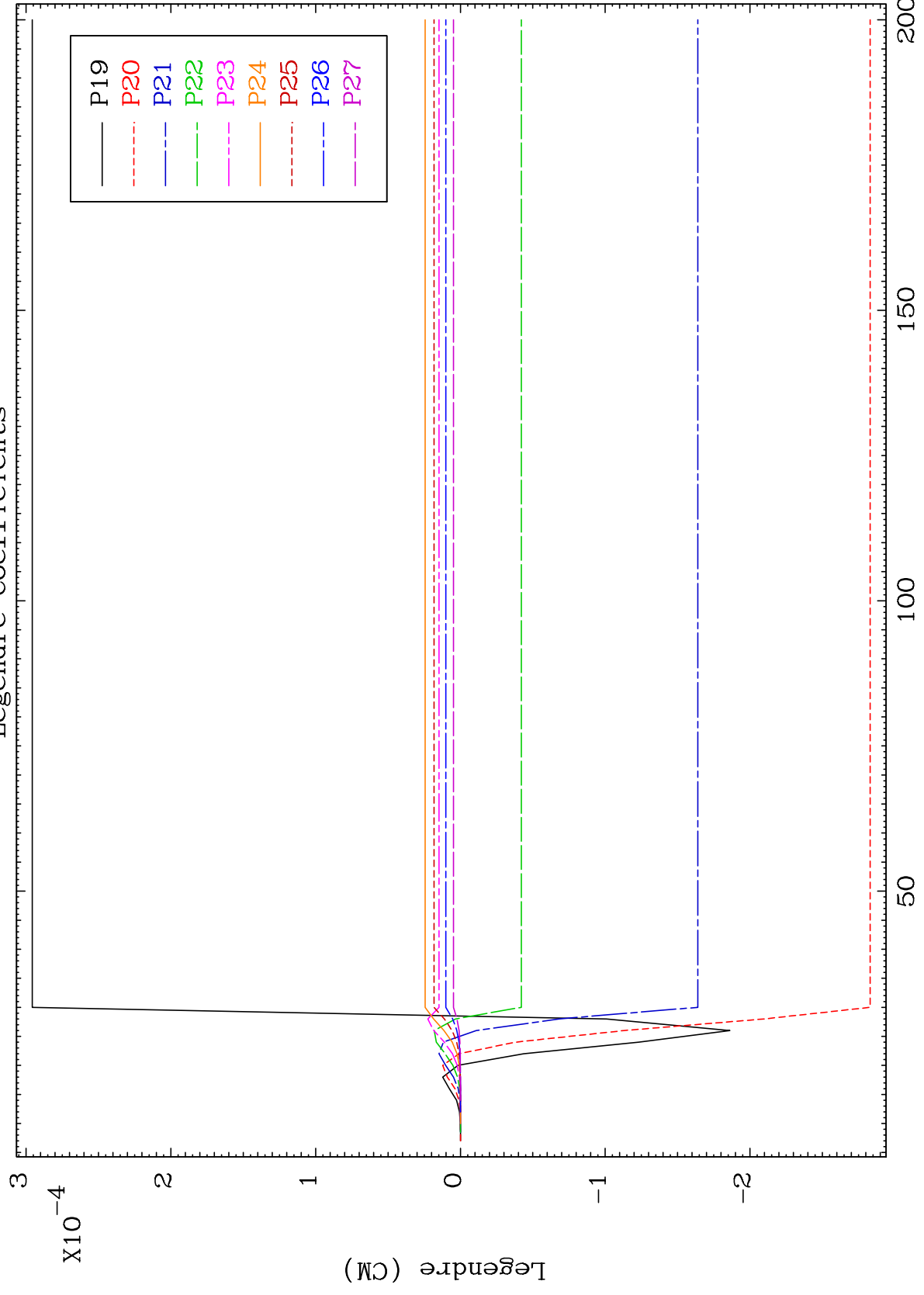
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



84

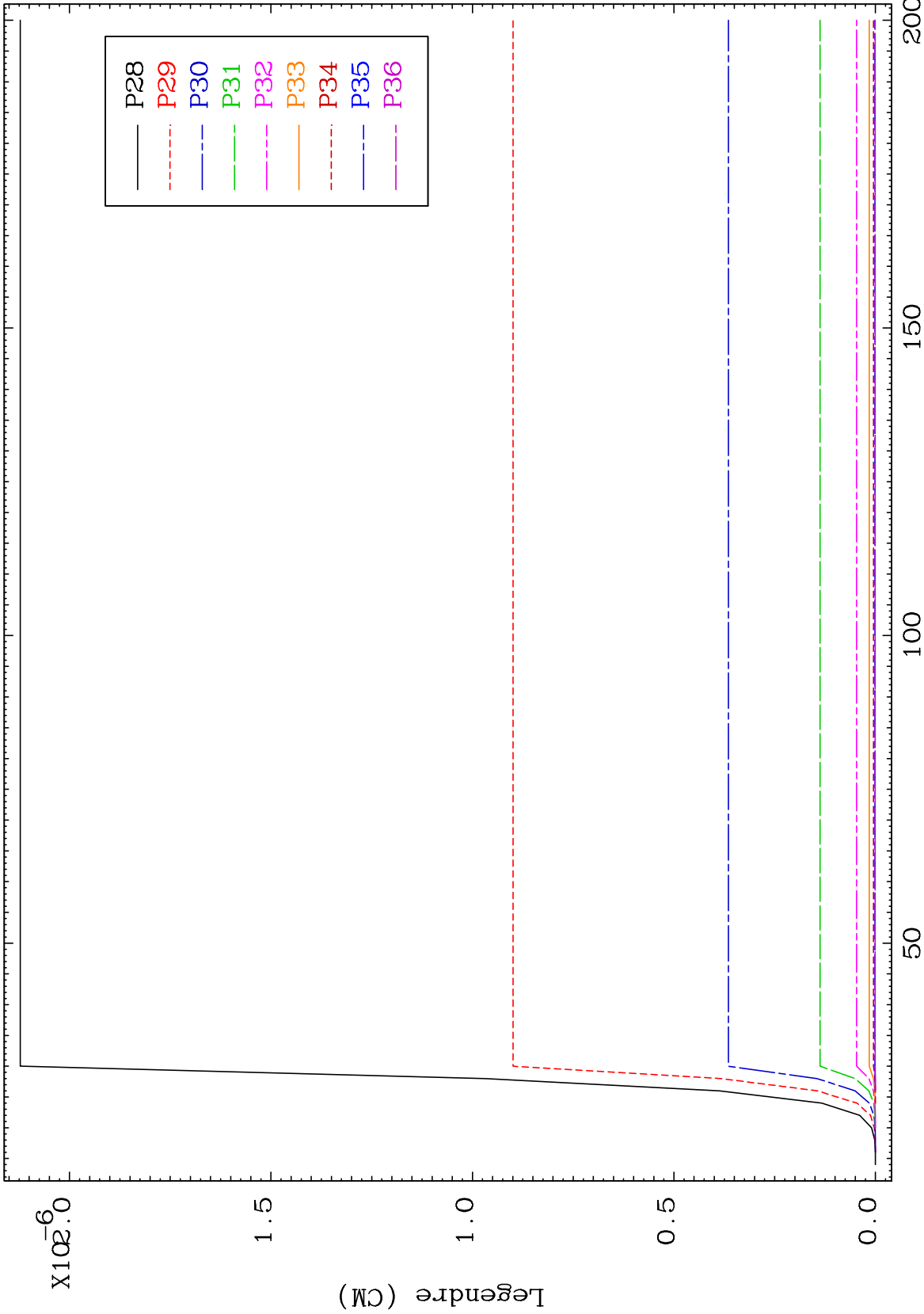
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169

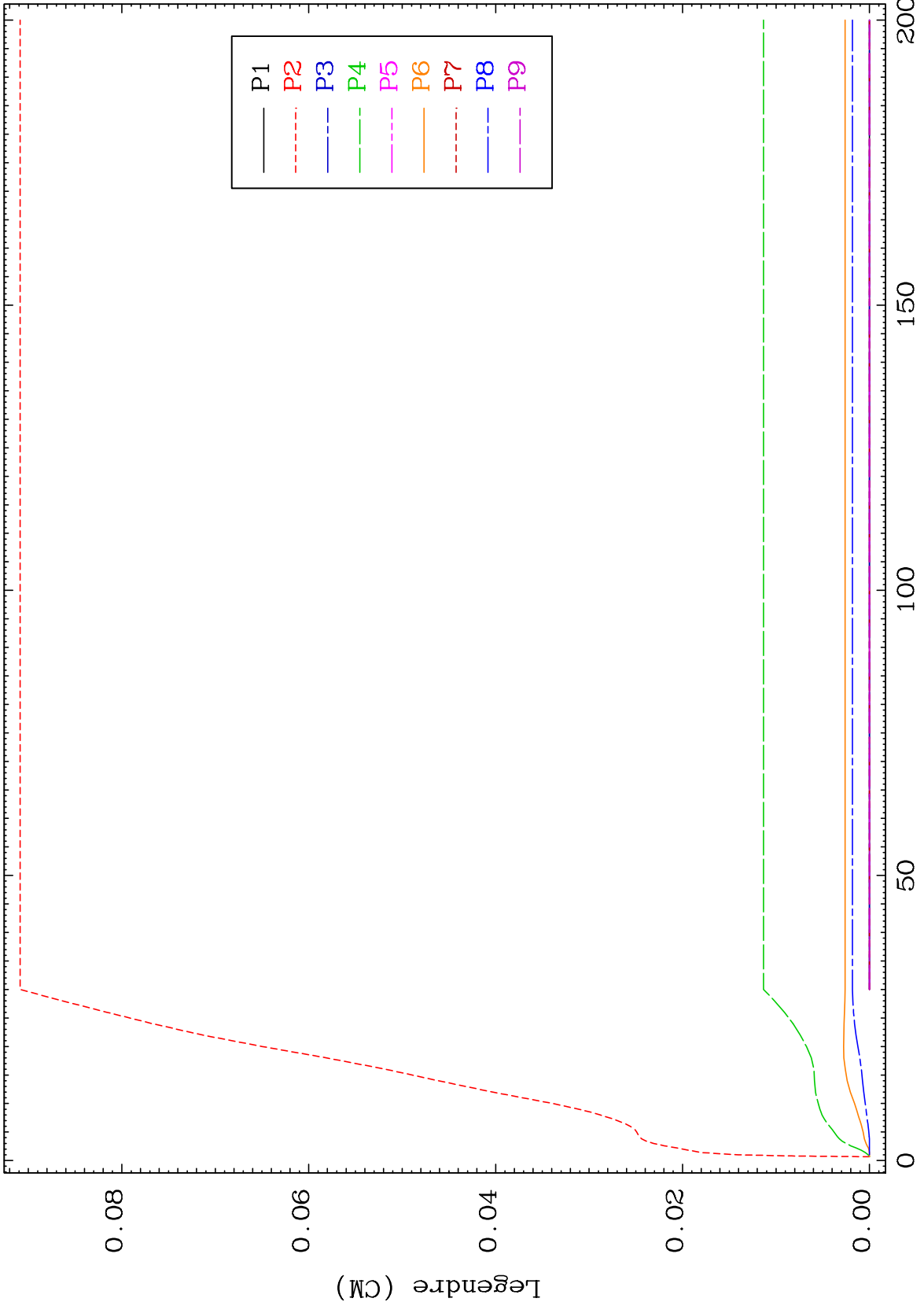


85

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 70 (n,n') Level Legendre Coefficients 70-Yb-169

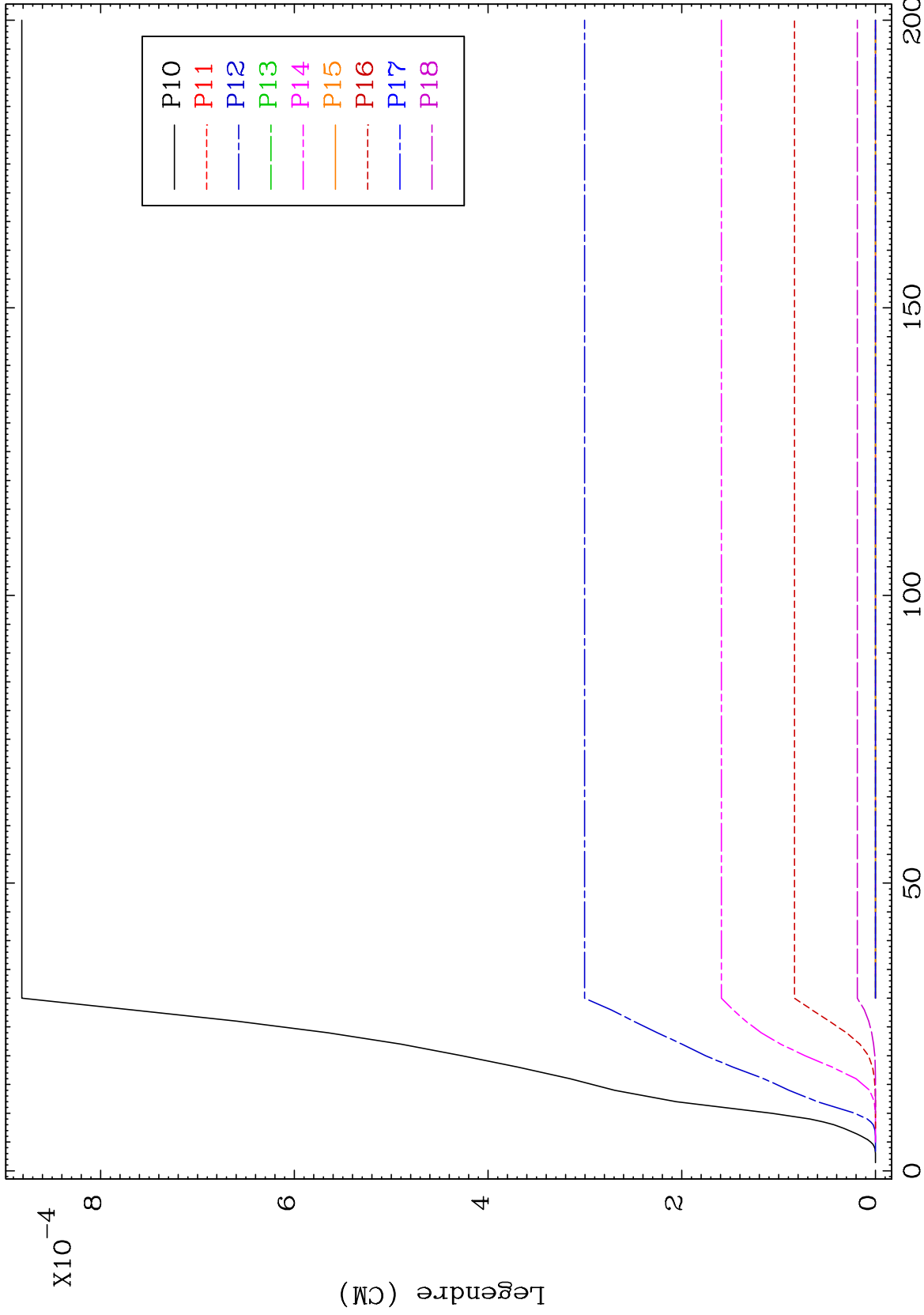


86 Incident Energy (MeV) 70-Yb-169

MAT 7028

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

70-Yb-169

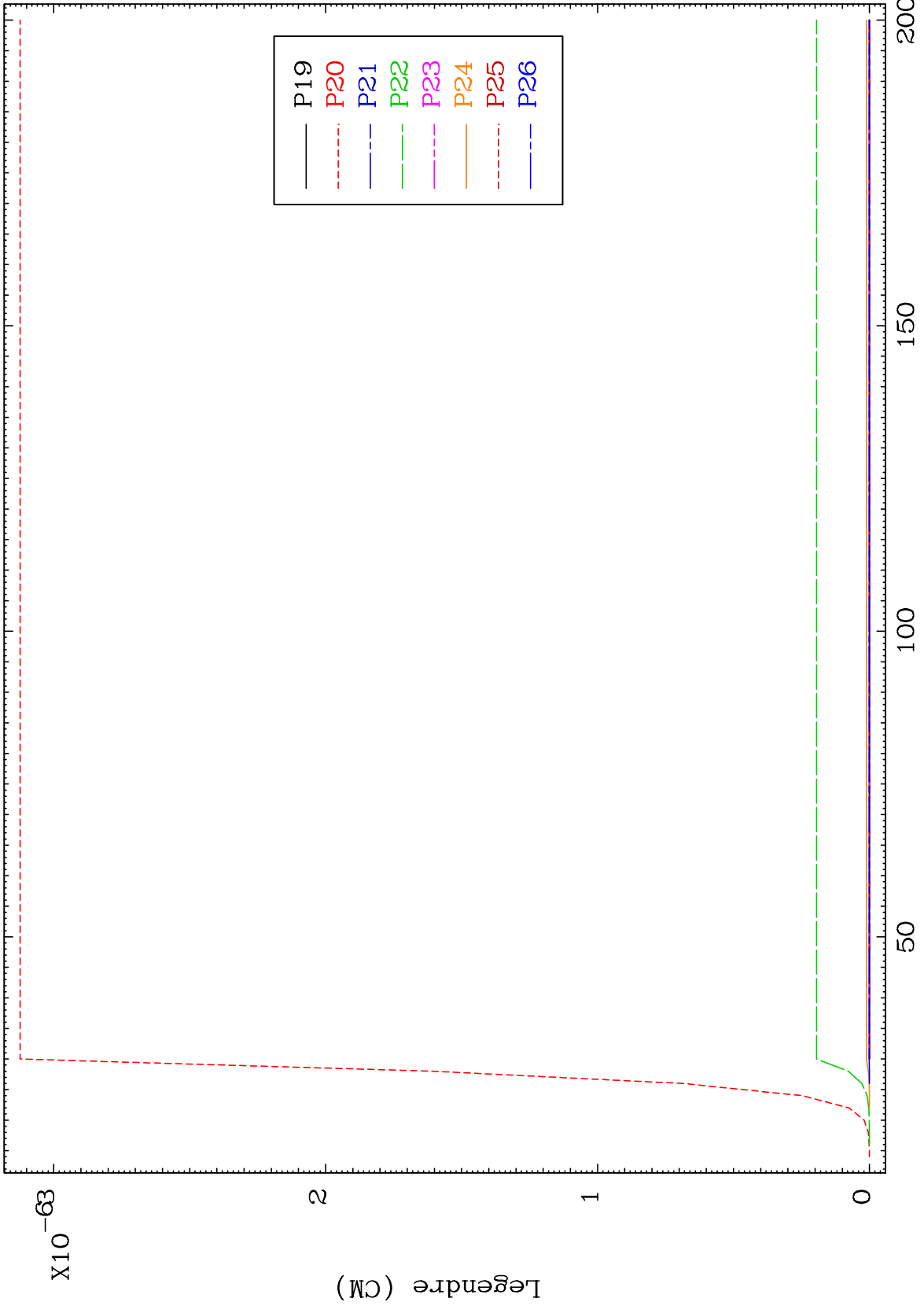


87

Incident Energy (MeV)

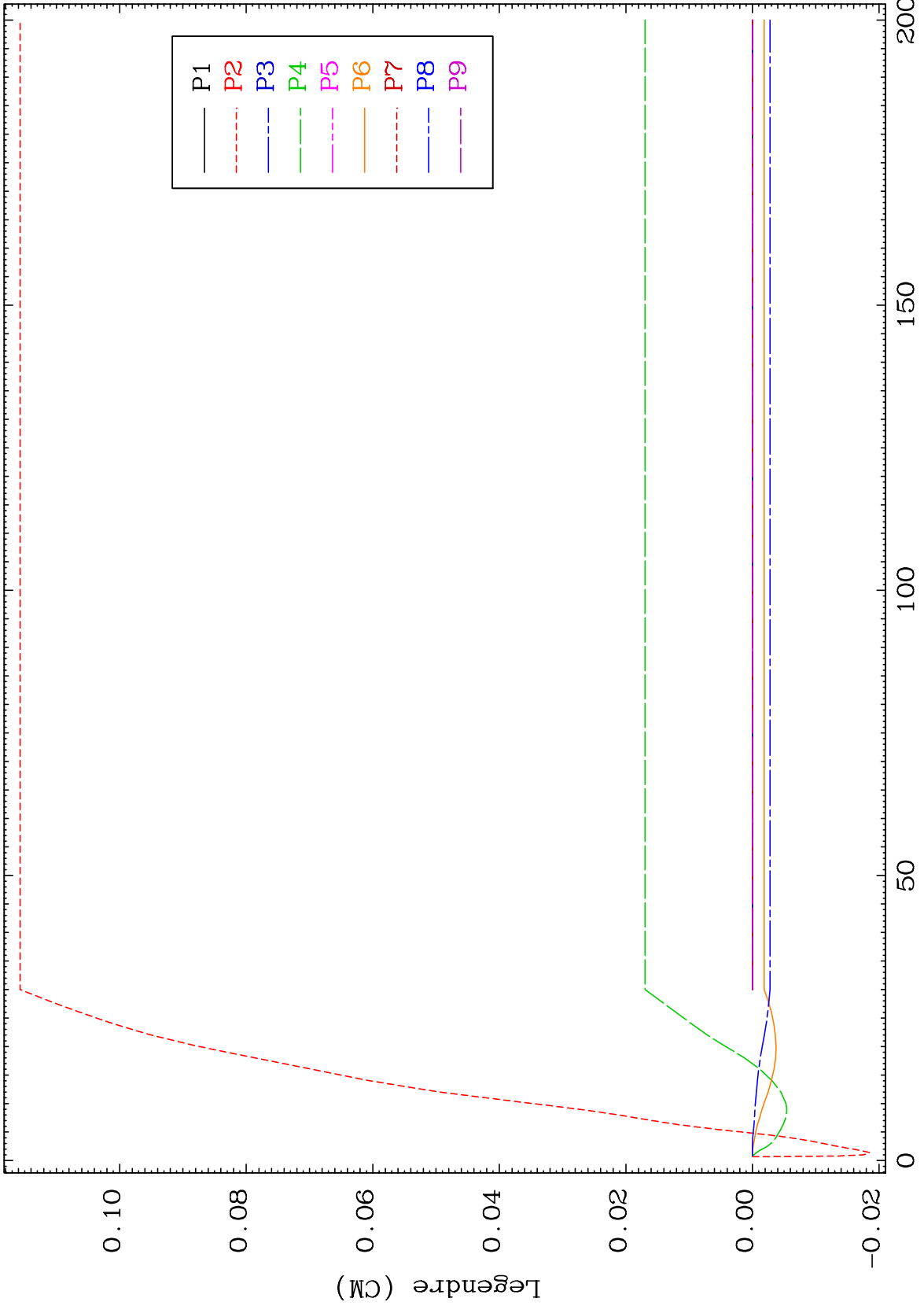
70-Yb-169

MAT 7028 MT= 70 (n,n') Level Legendre Coefficients 70-Yb-169



88 70-Yb-169

MAT 7028 MT= 71 (n,n') Level Legendre Coefficients 70-Yb-169

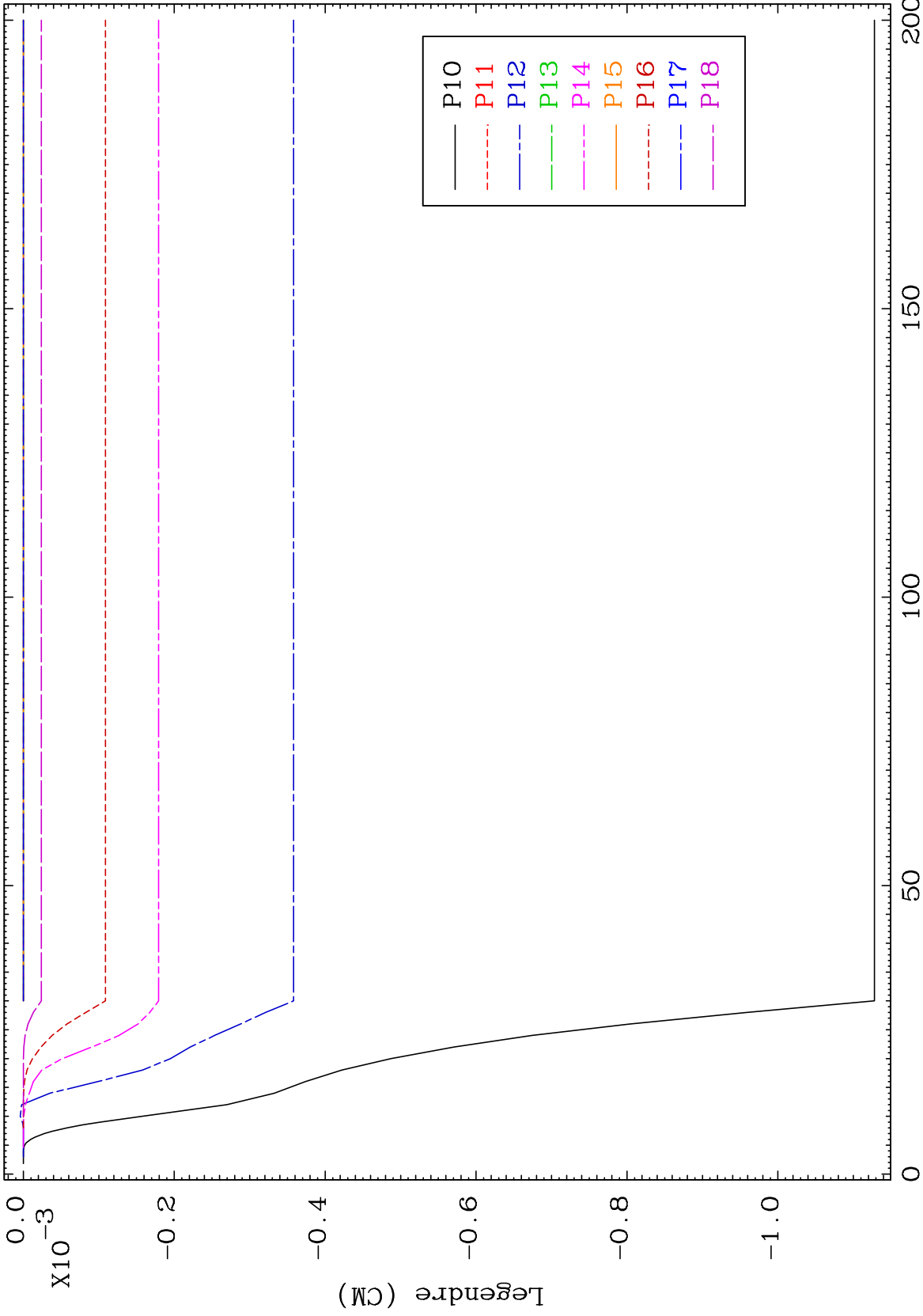


89 Incident Energy (MeV) 70-Yb-169

MAT 7028

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

70-Yb-169

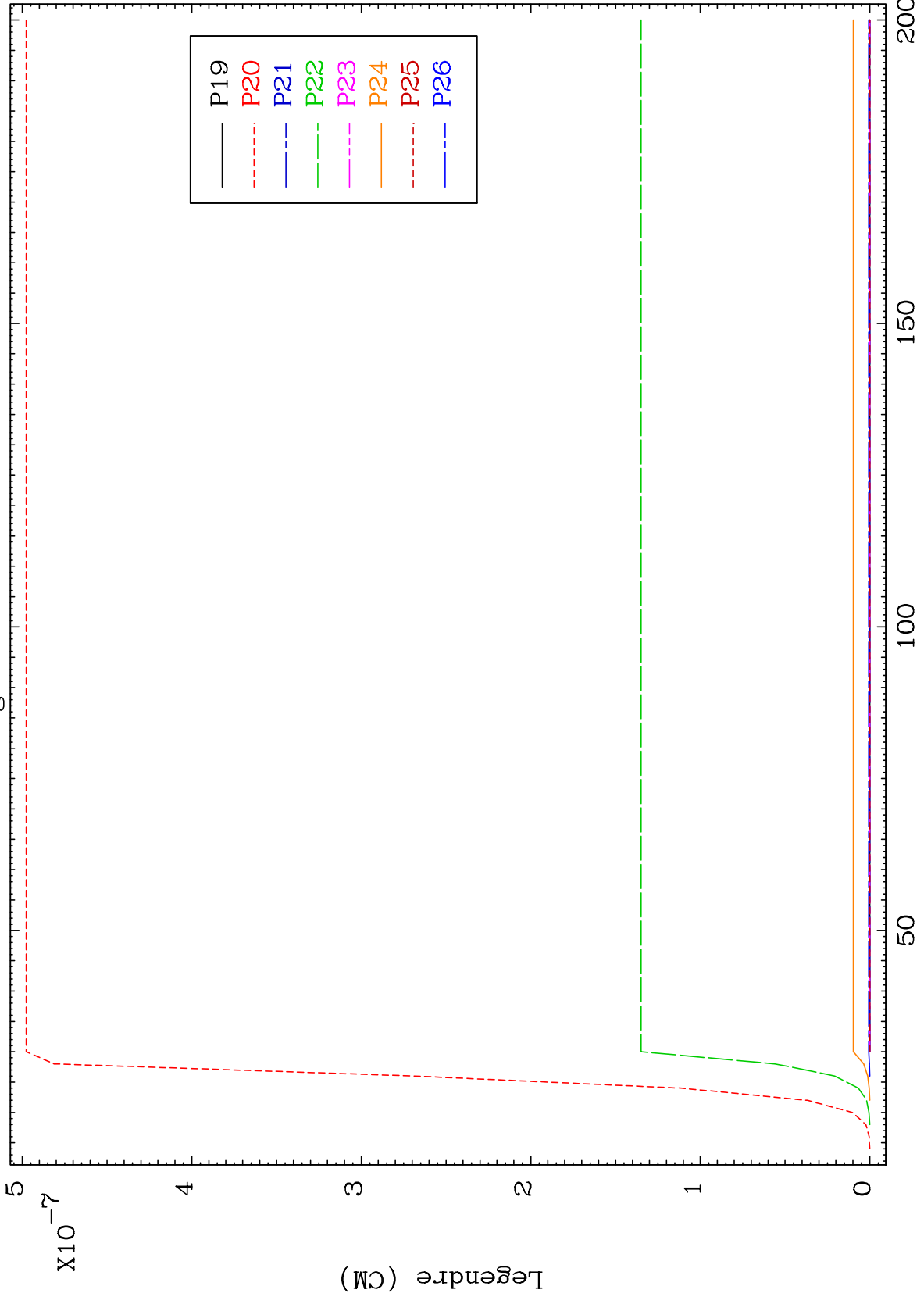


70-Yb-169

Incident Energy (MeV)

90

MAT 7028 MT= 71 (n,n') Level Legendre Coefficients 70-Yb-169

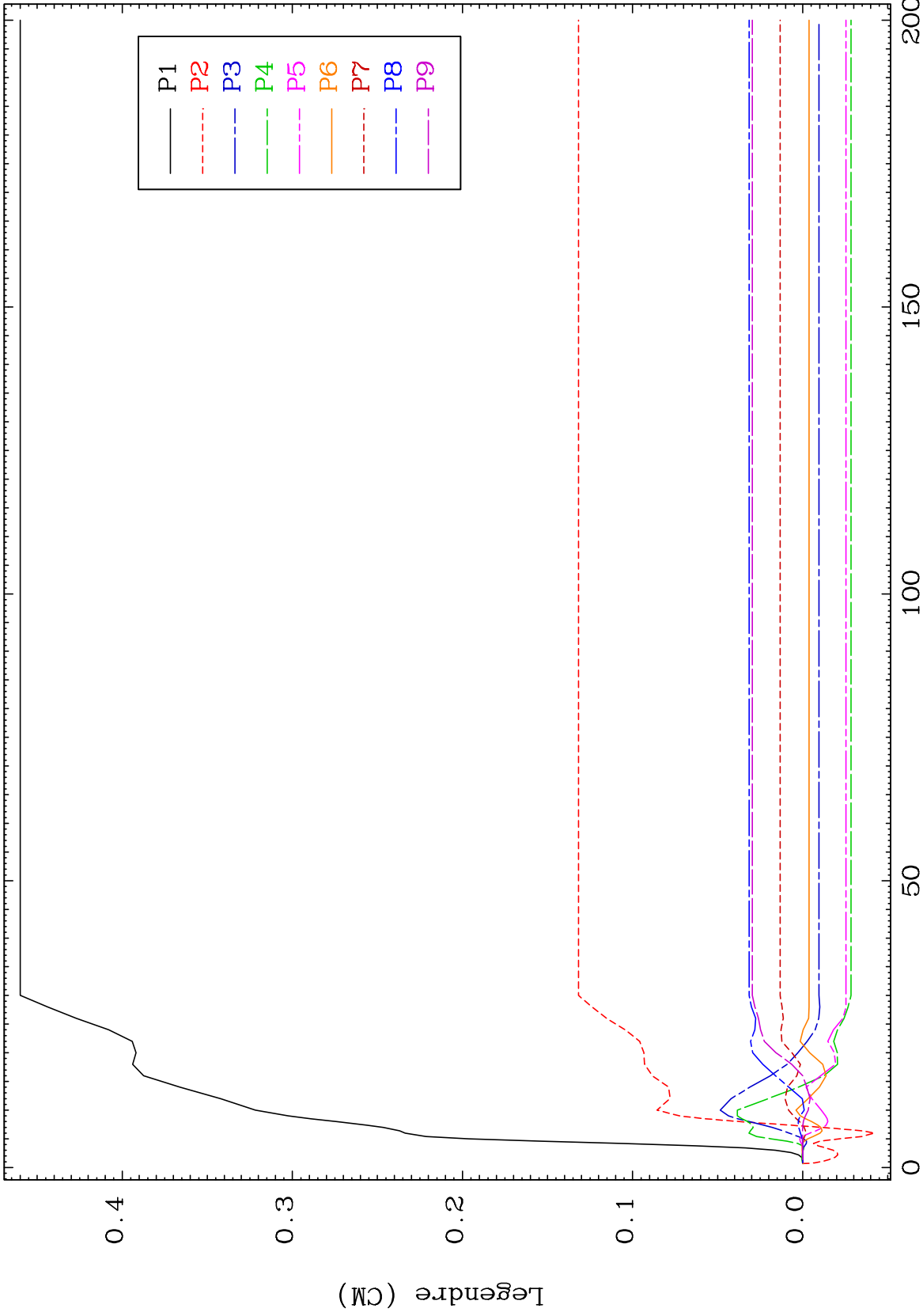


91 70-Yb-169

MAT 7028

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

70-Yb-169



92

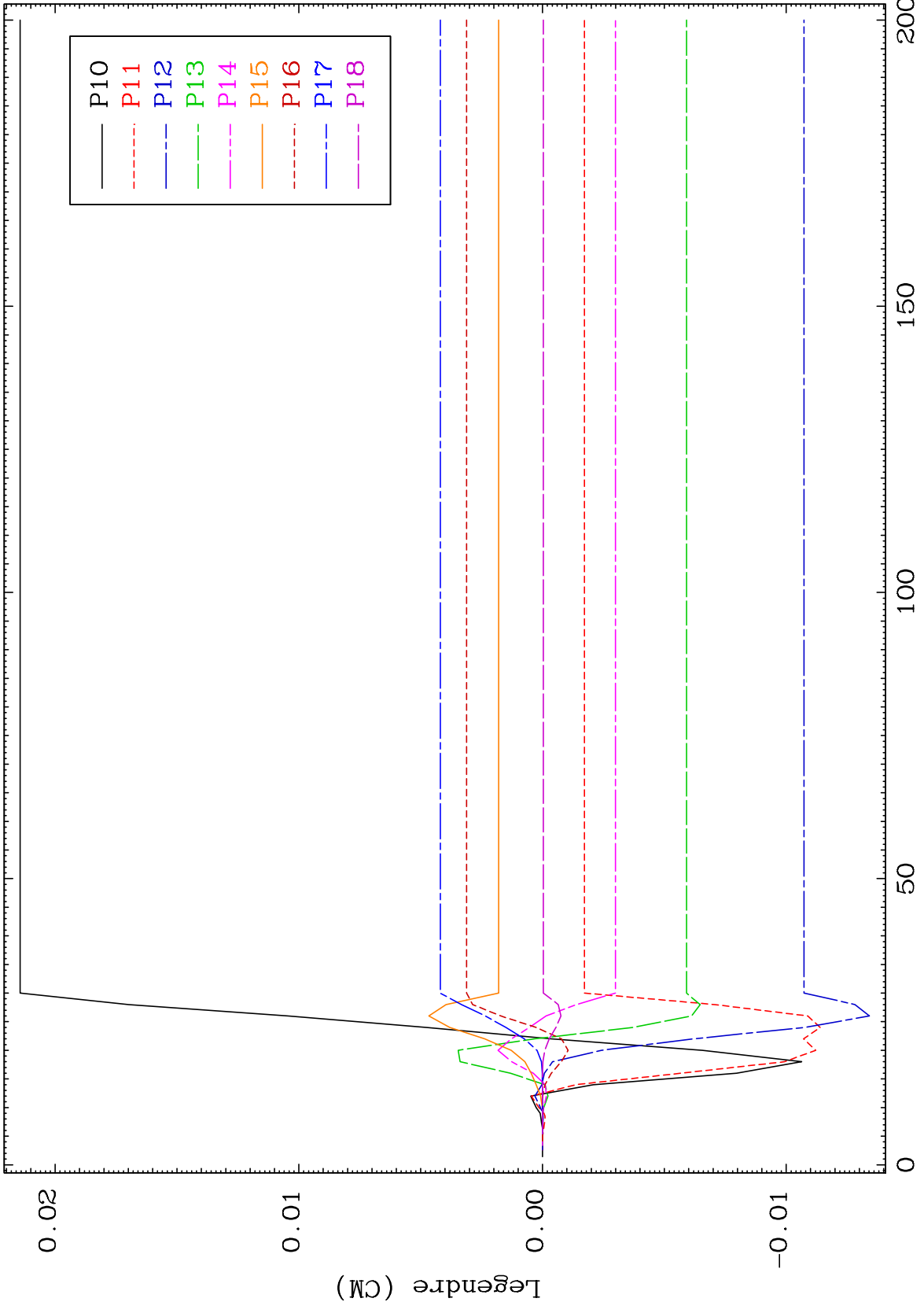
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



93

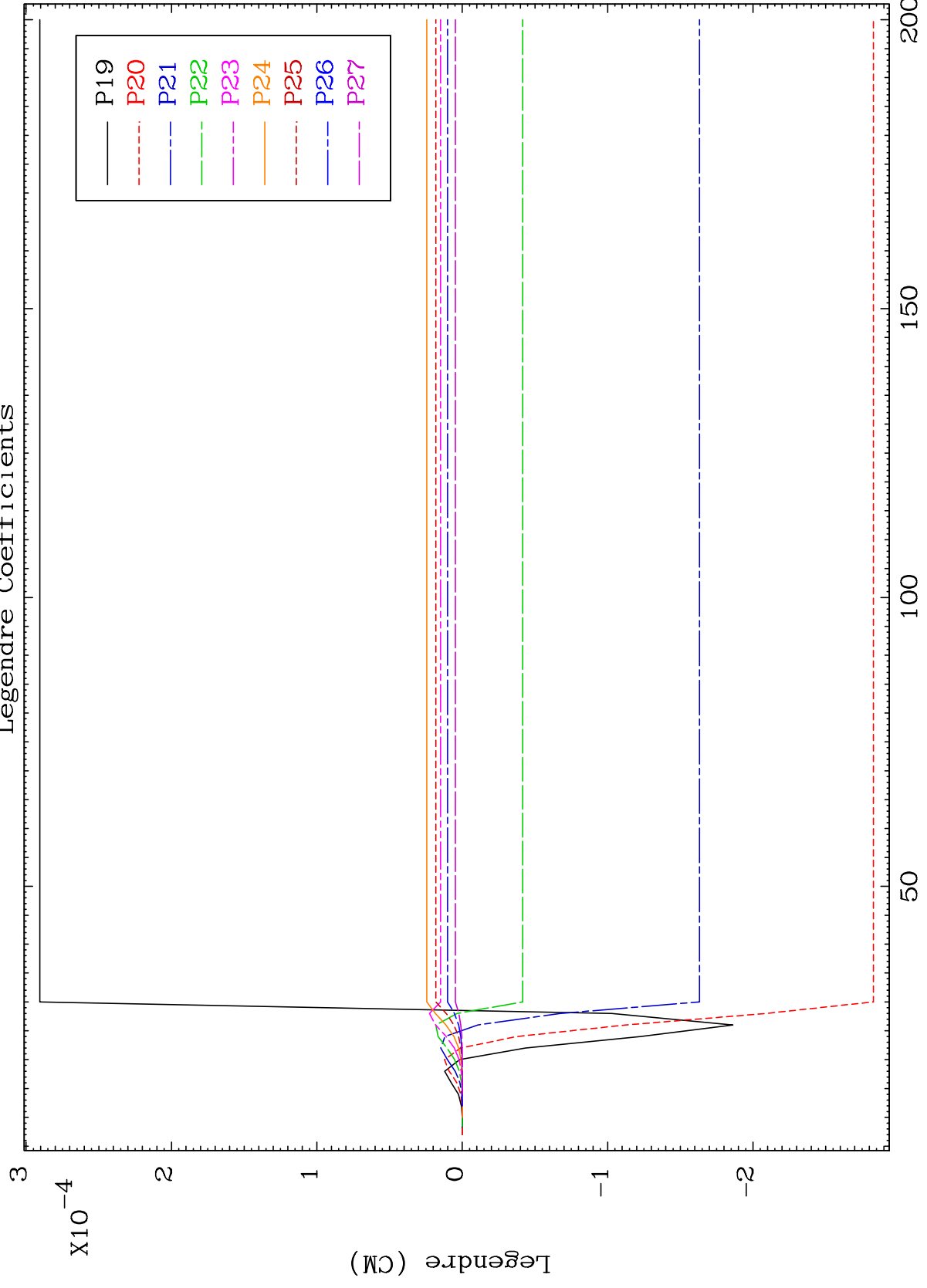
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



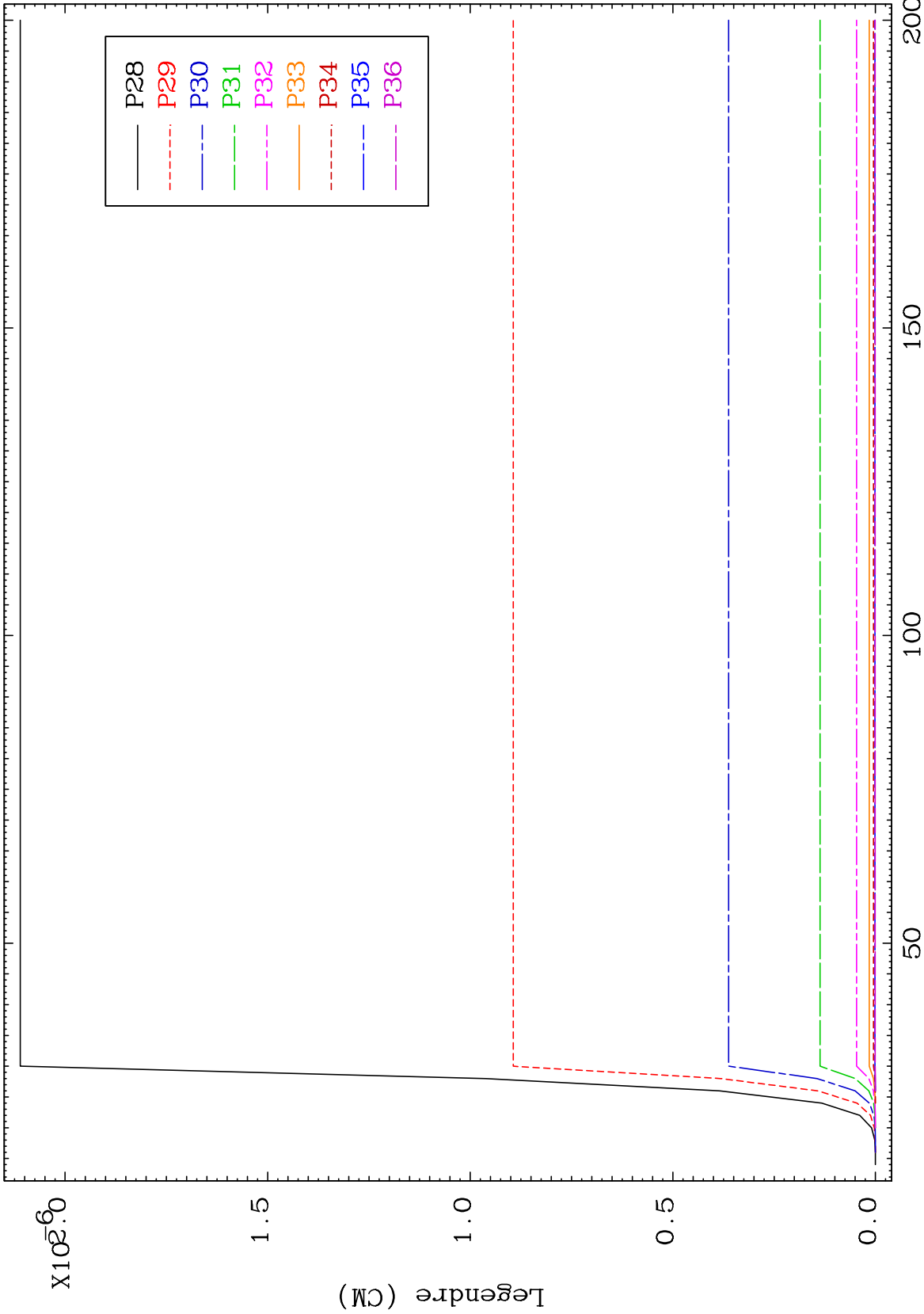
94

70-Yb-169

MAT 7028

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

70-Yb-169



95

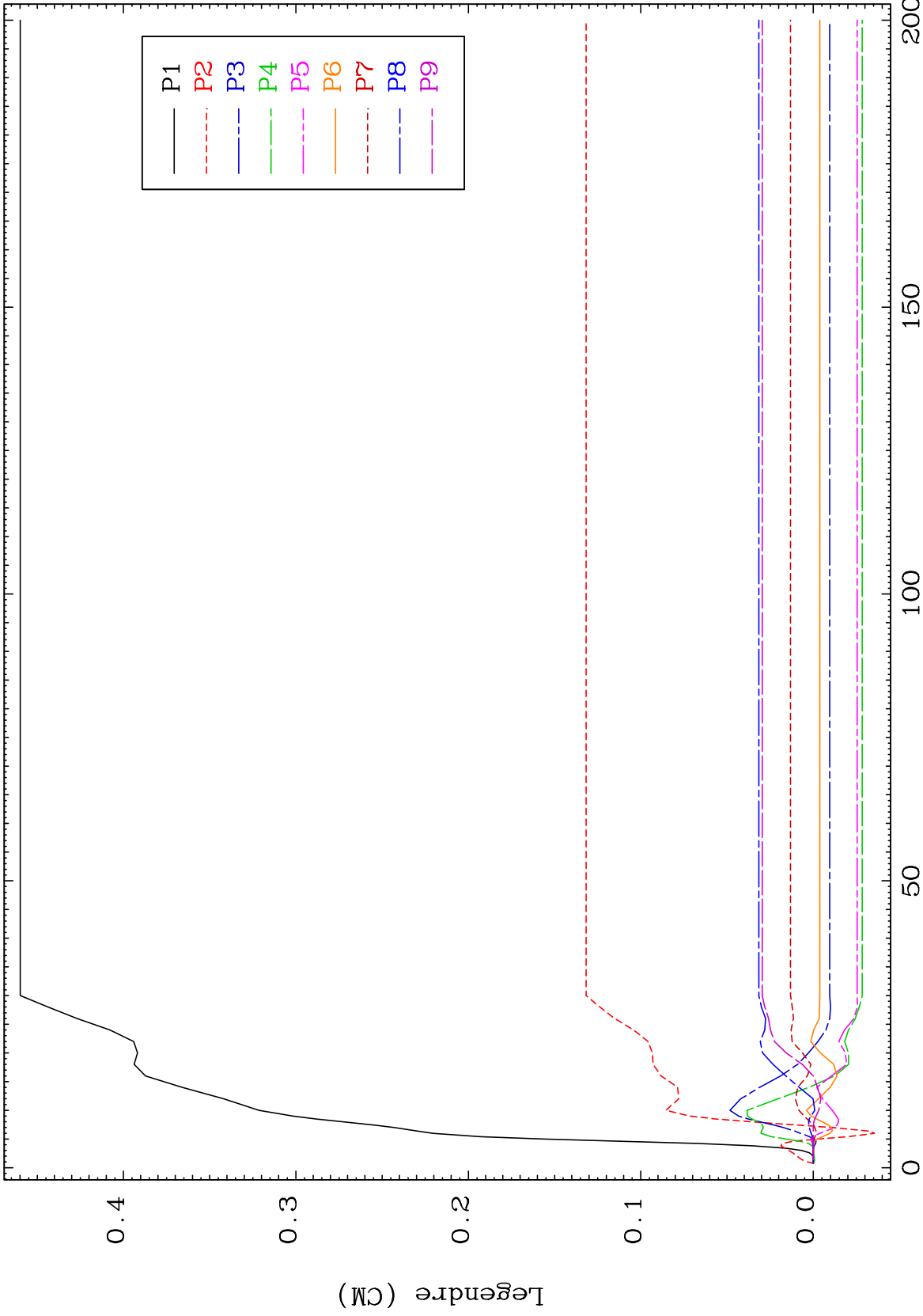
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



96

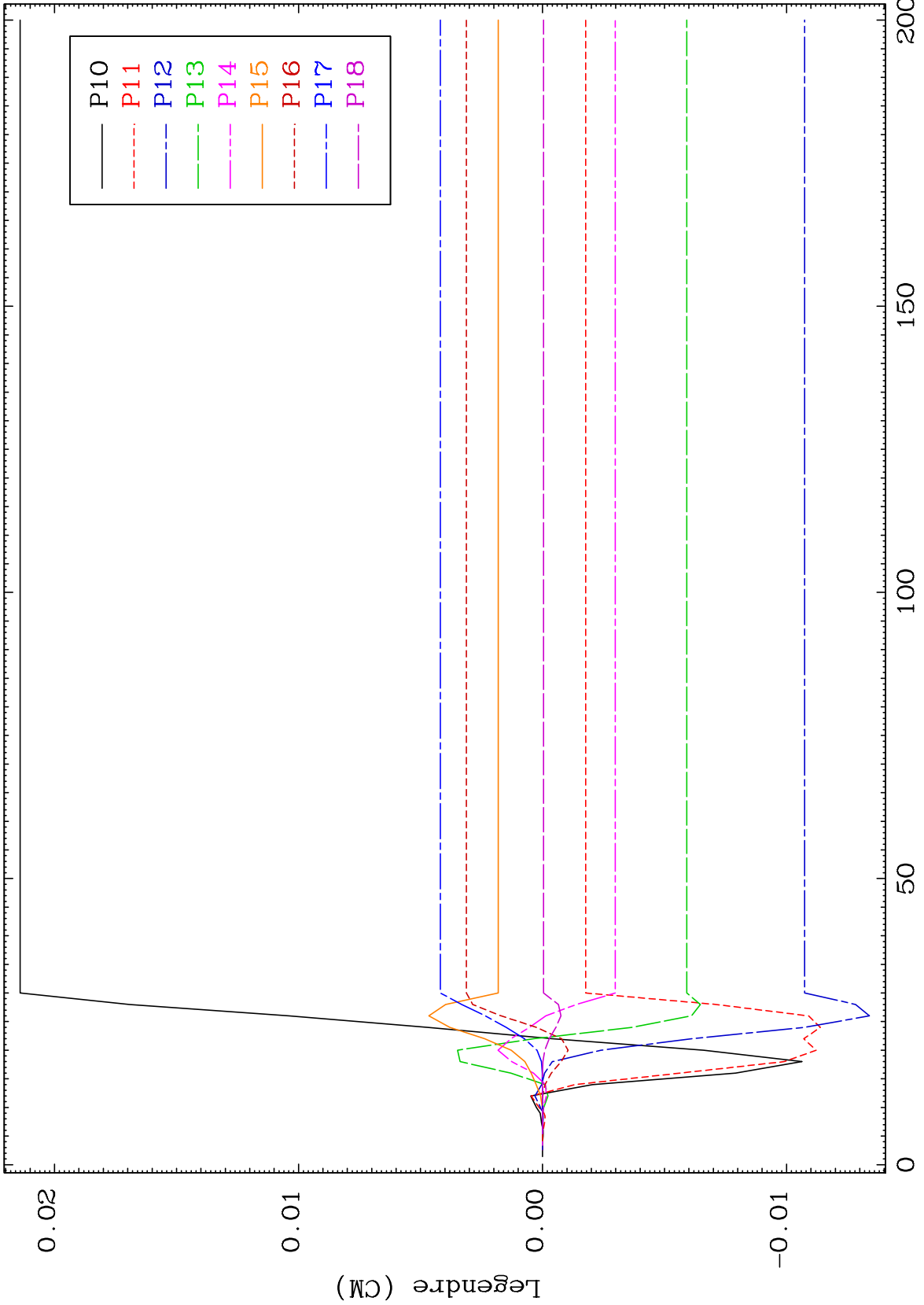
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



97

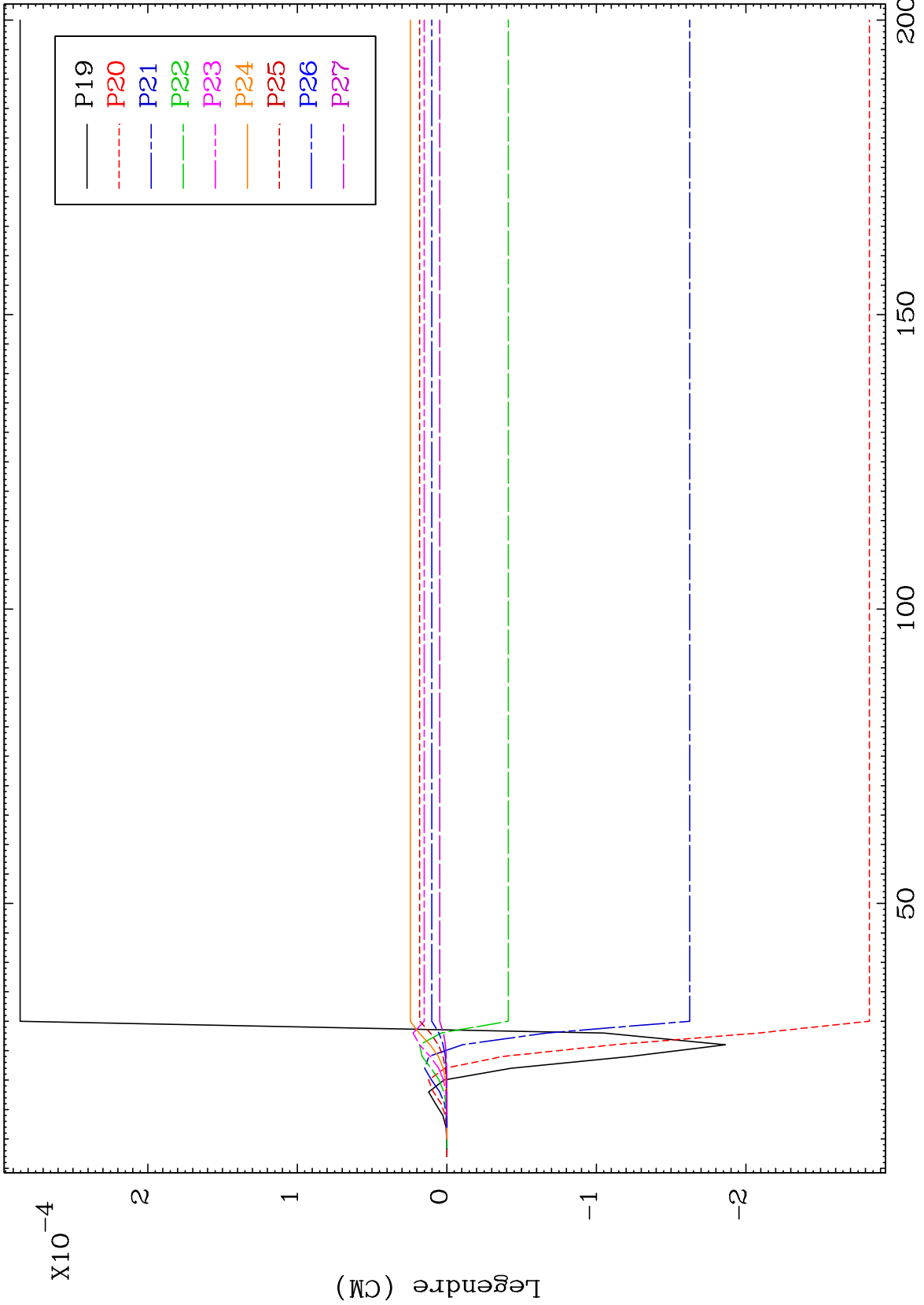
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



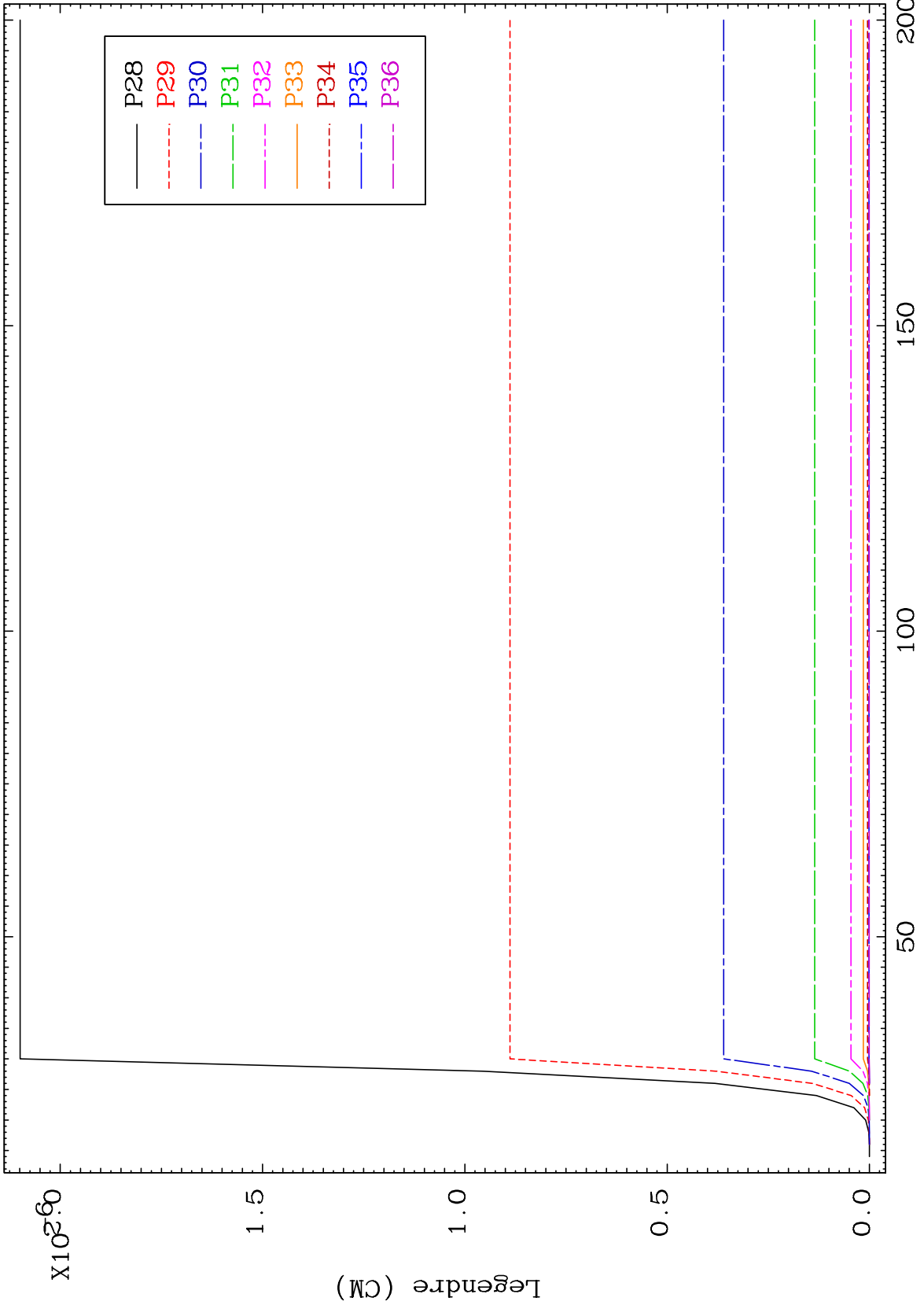
98

70-Yb-169

MAT 7028

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

70-Yb-169



99

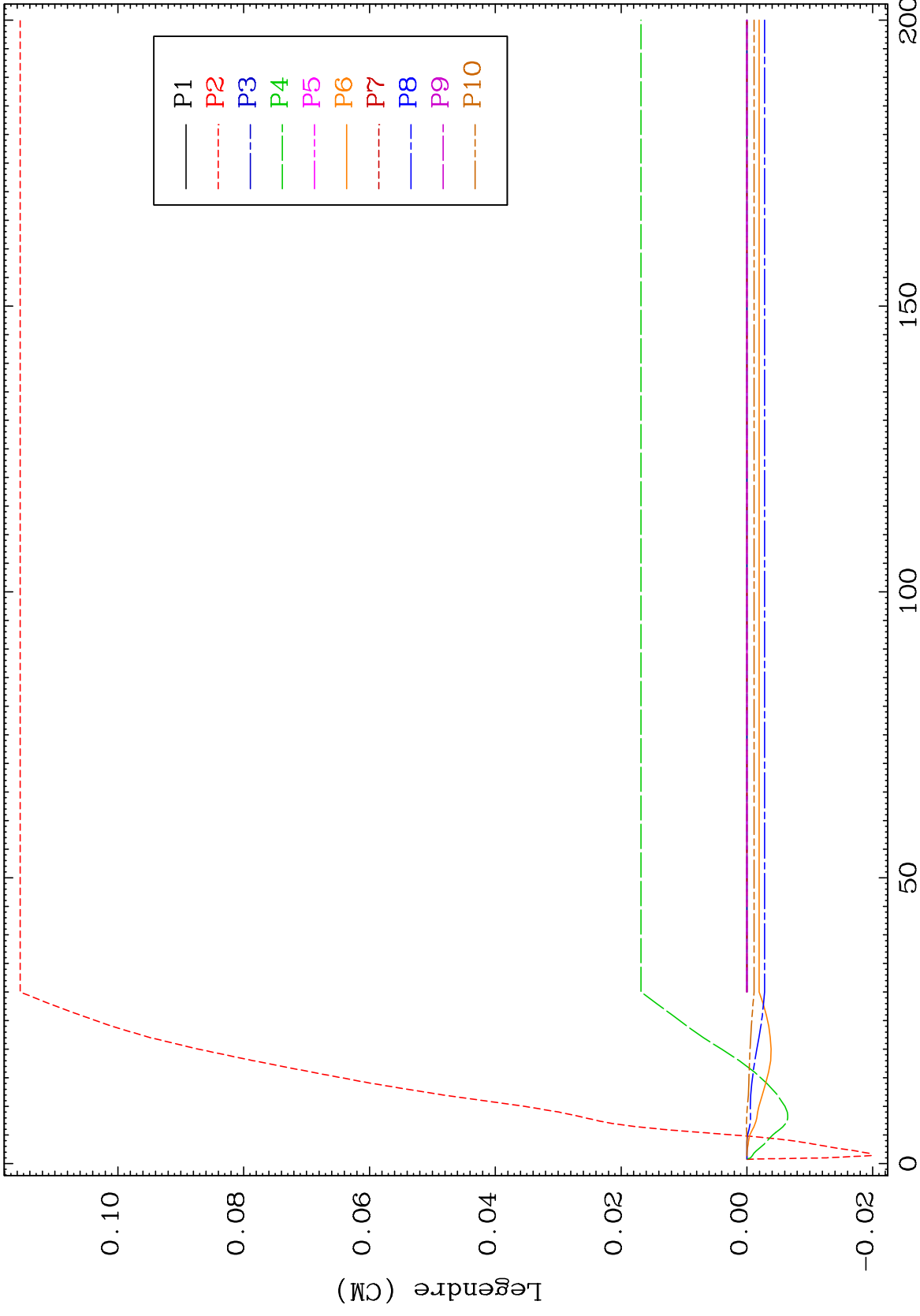
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



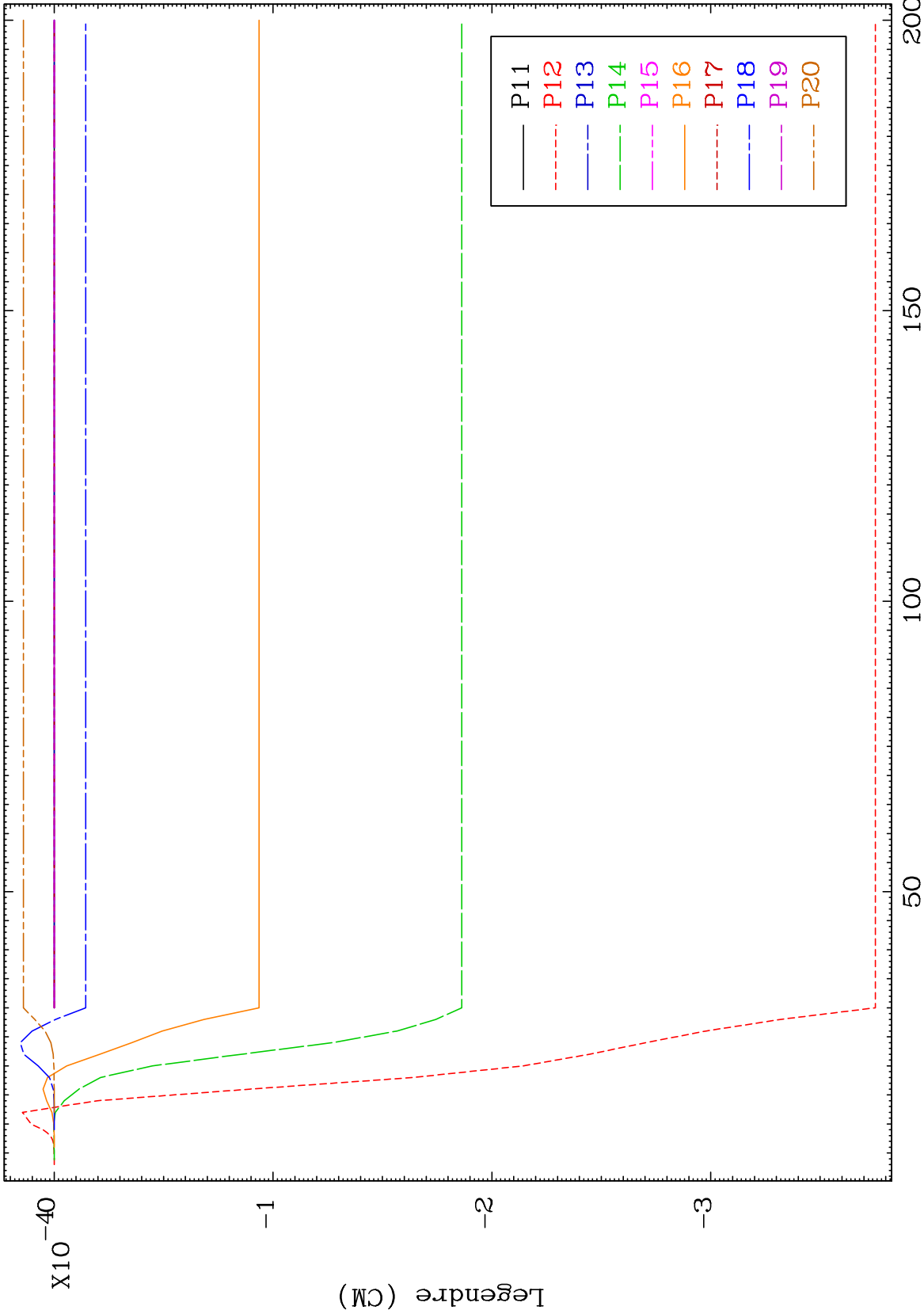
70-Yb-169

Incident Energy (MeV)

MAT 7028

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

70-Yb-169



101

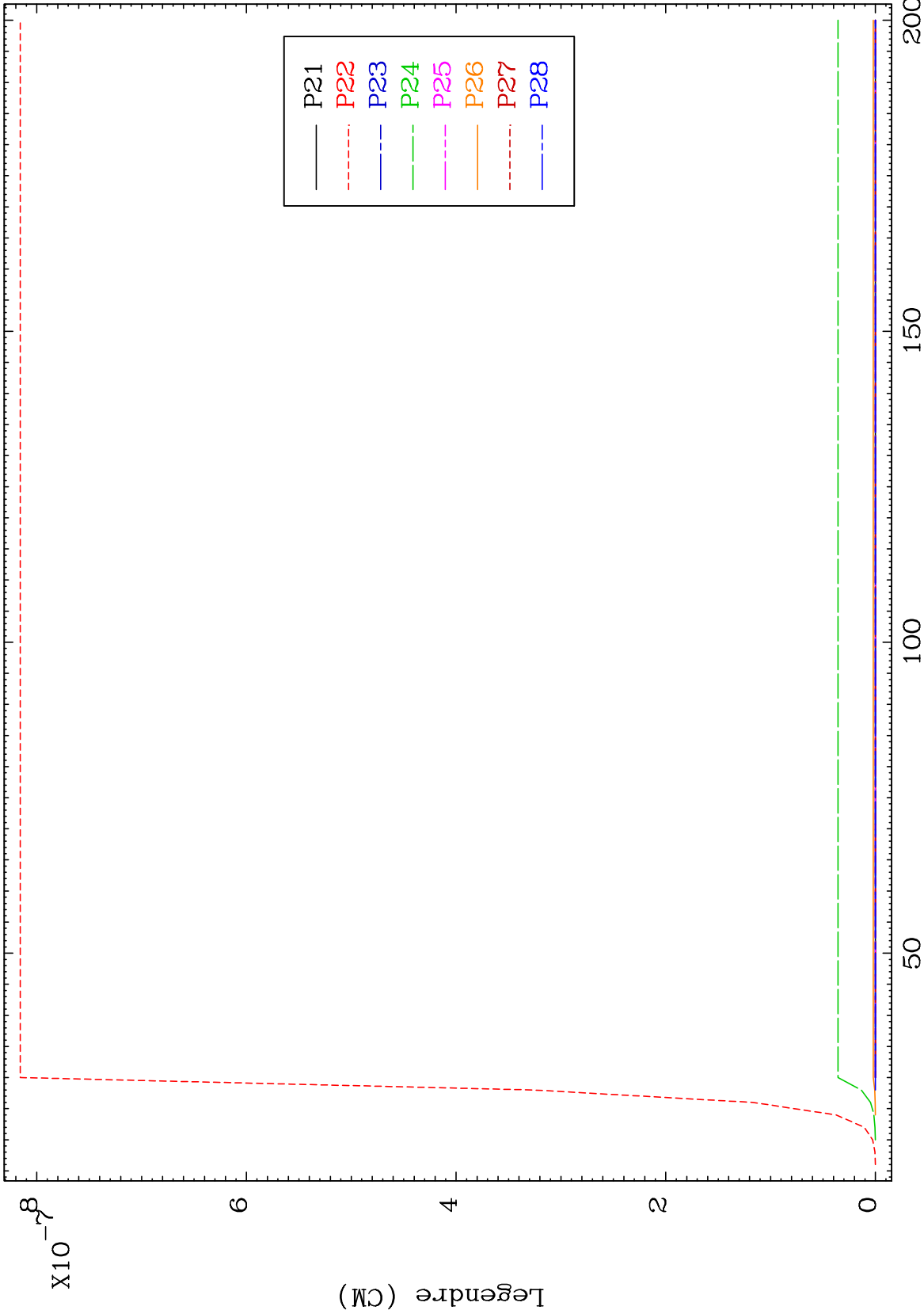
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169

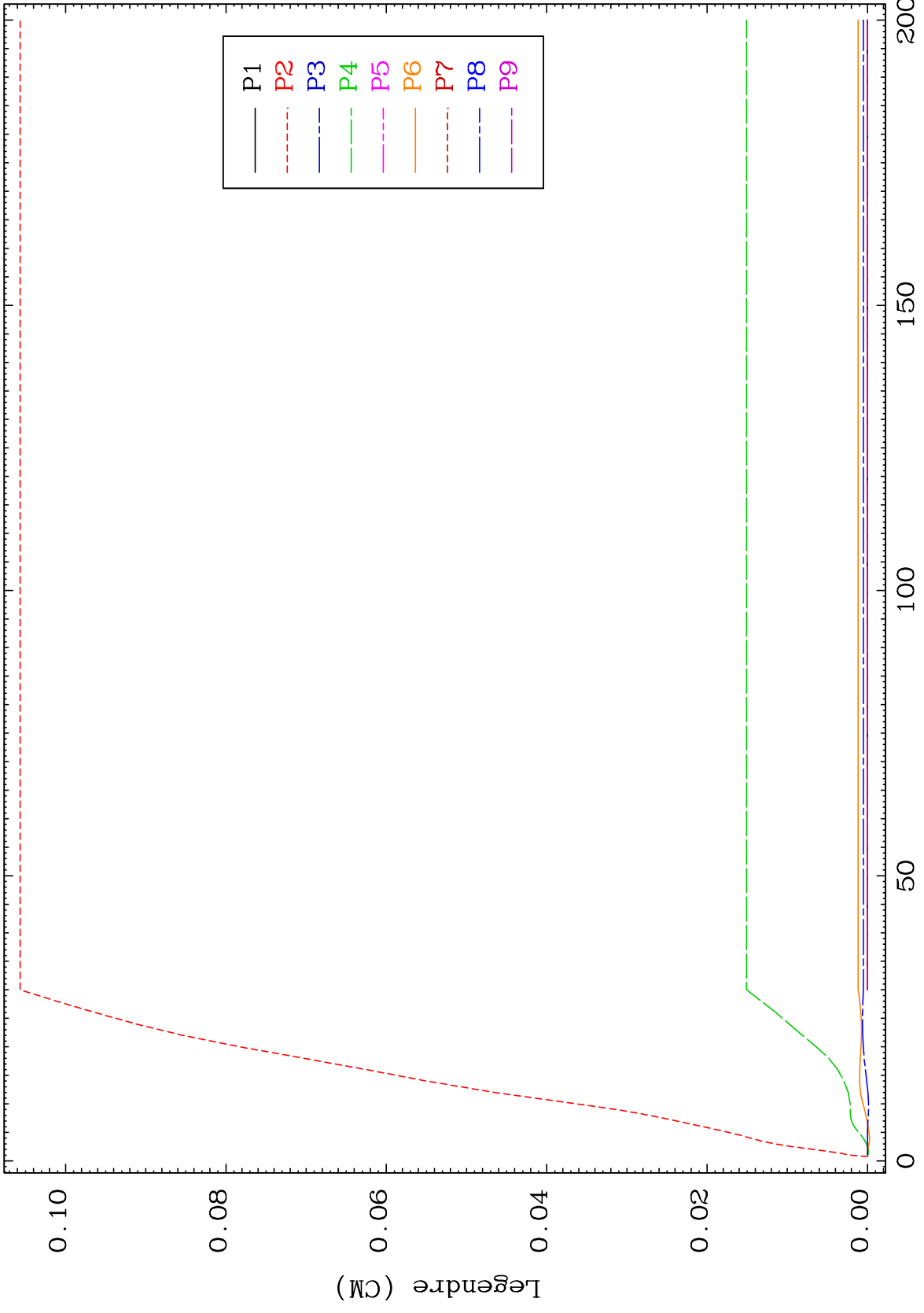


70-Yb-169

Incident Energy (MeV)

102

MAT 7028 MT= 75 (n,n') Level Legendre Coefficients 70-Yb-169

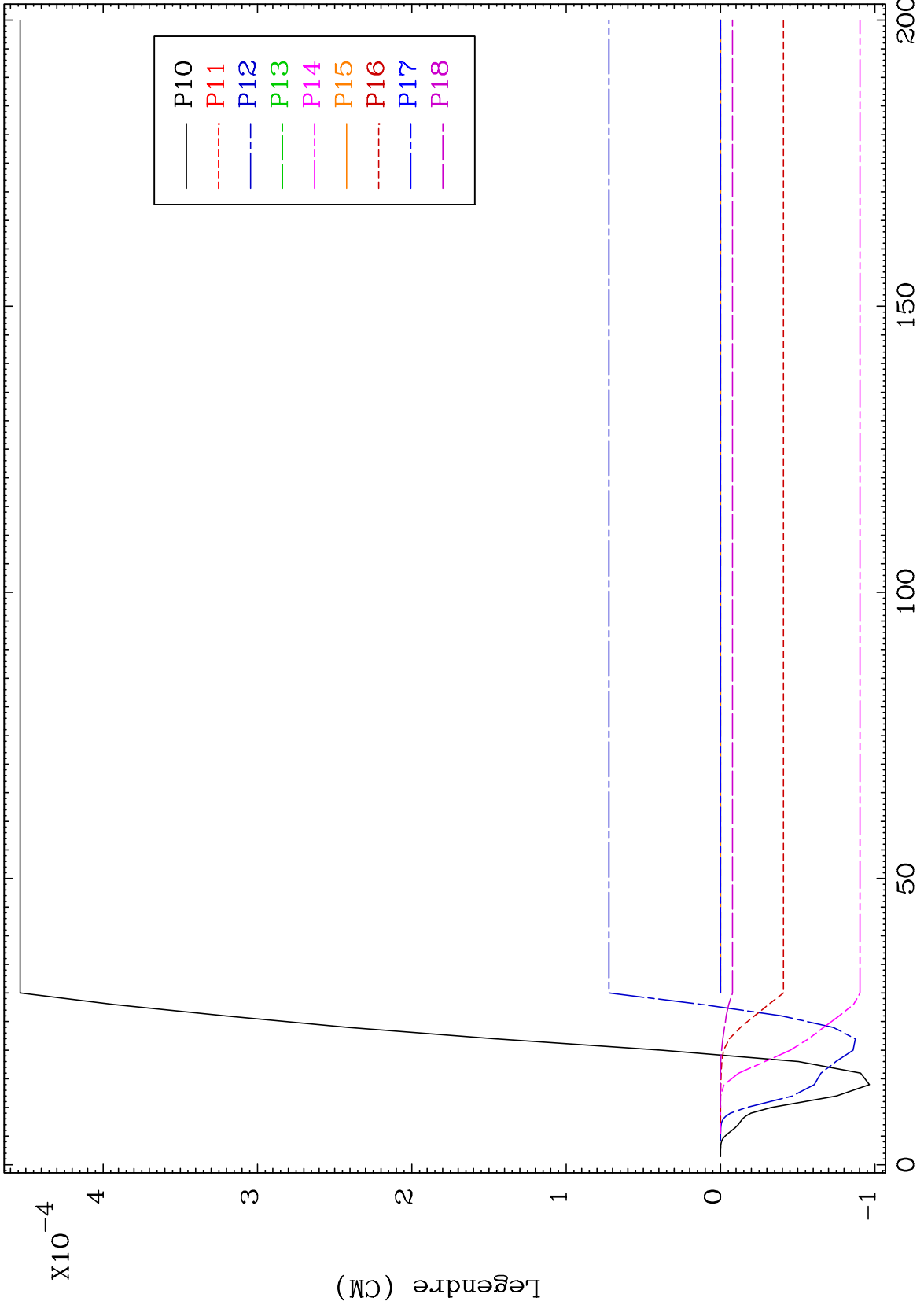


103 Incident Energy (MeV) 70-Yb-169

MAT 7028

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

70-Yb-169

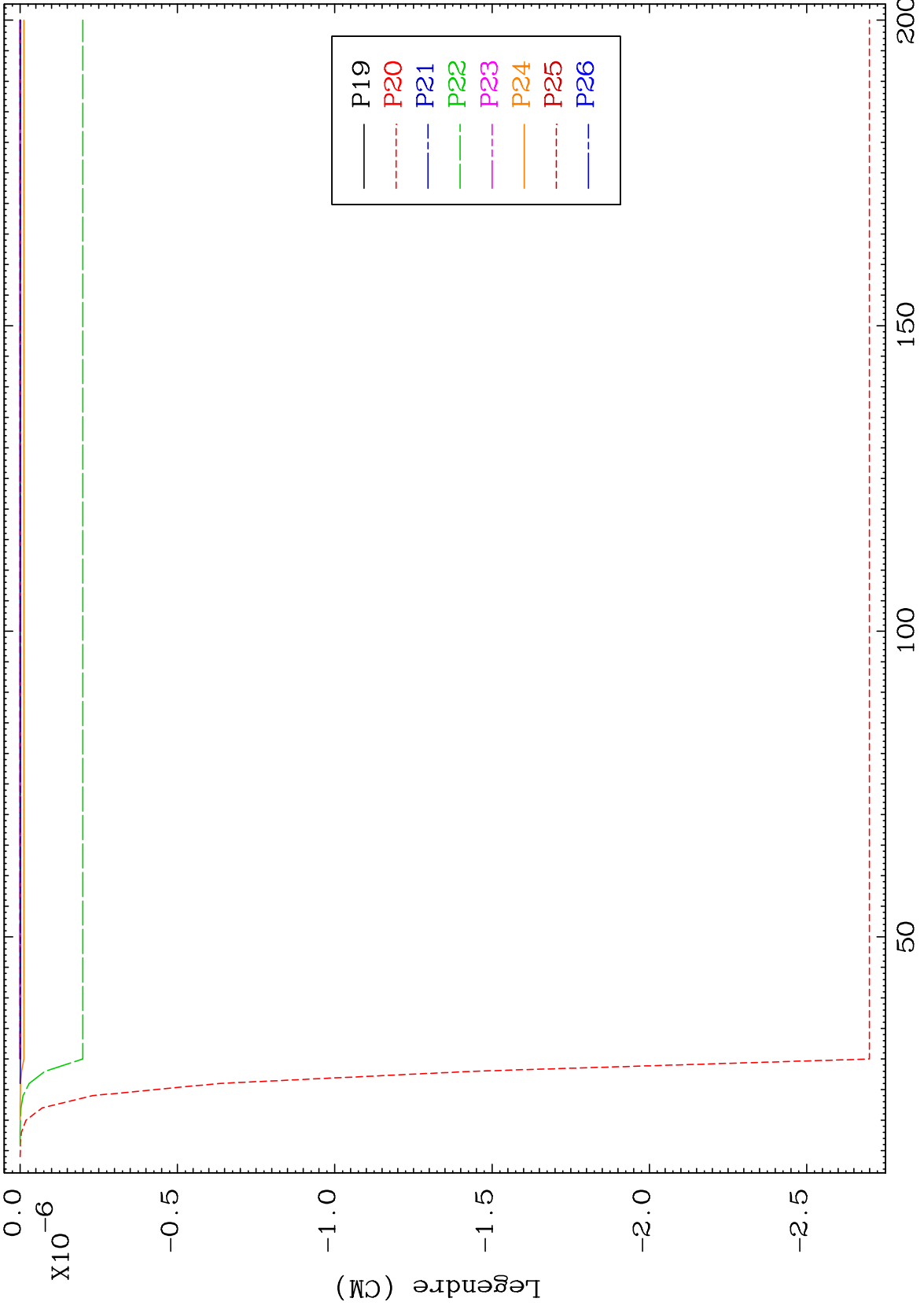


104

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 75 (n,n') Level Legendre Coefficients 70-Yb-169

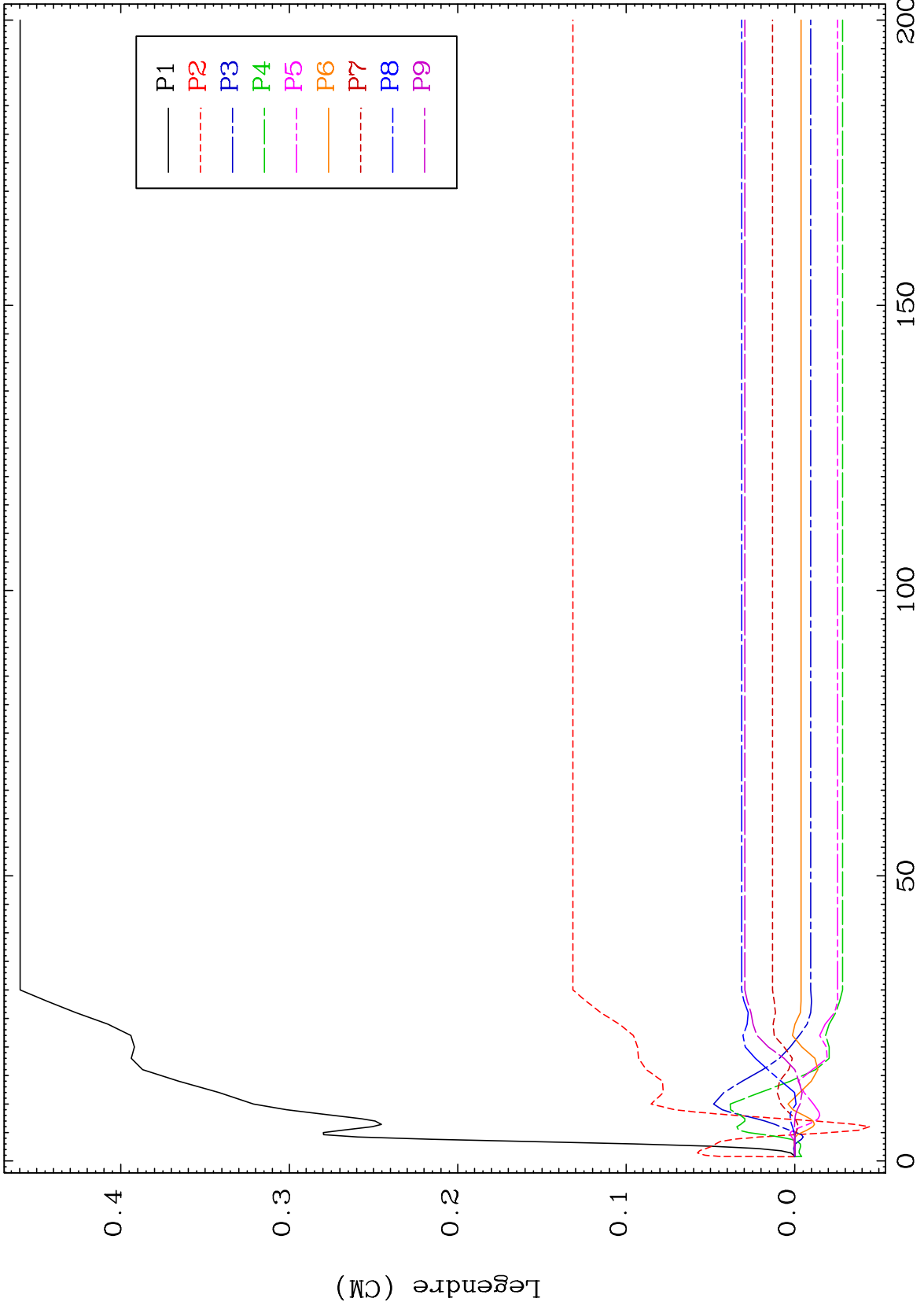


105 Incident Energy (MeV) 70-Yb-169

MAT 7028

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

70-Yb-169



70-Yb-169

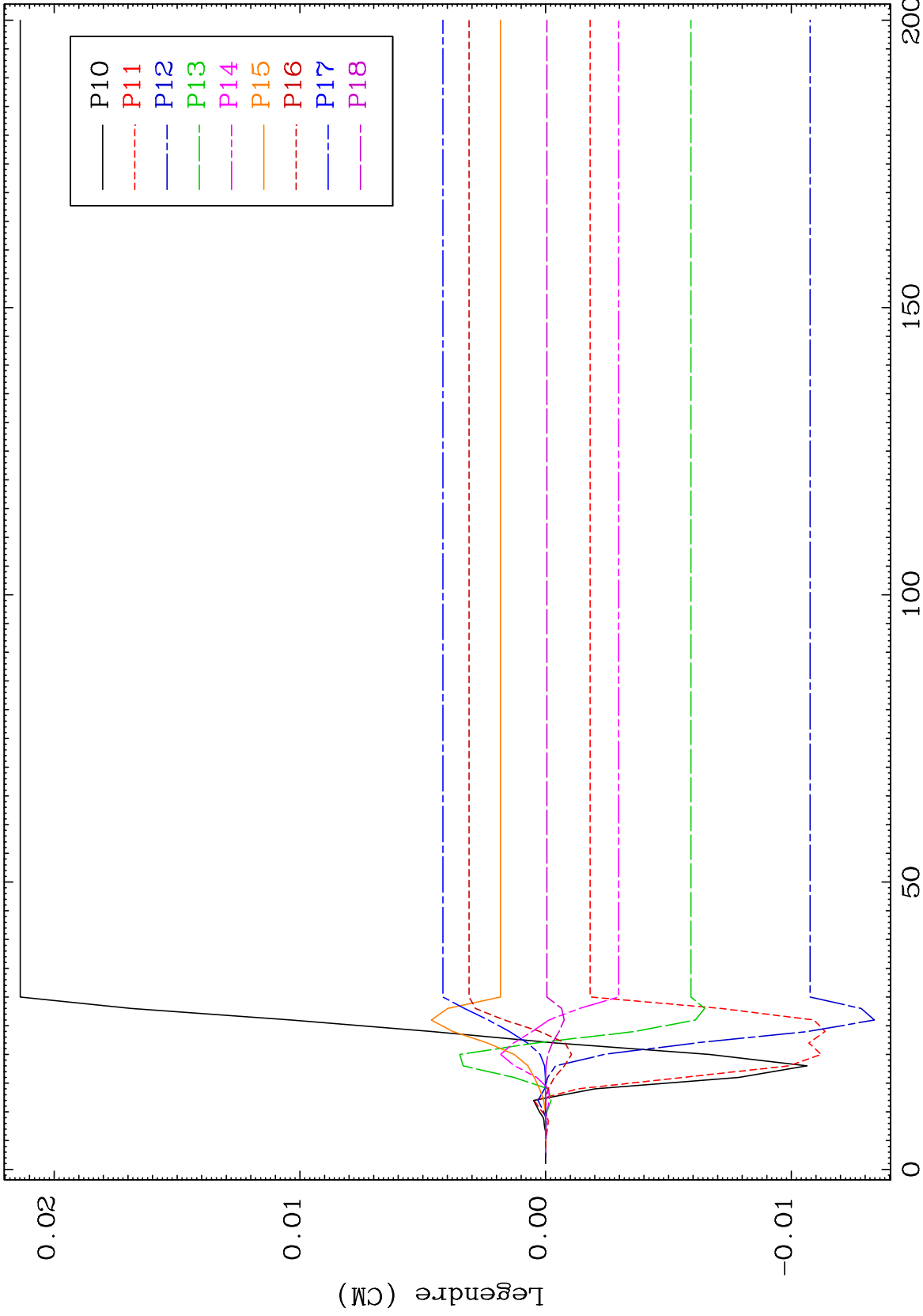
Incident Energy (MeV)

106

MAT 7028

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

70-Yb-169



107

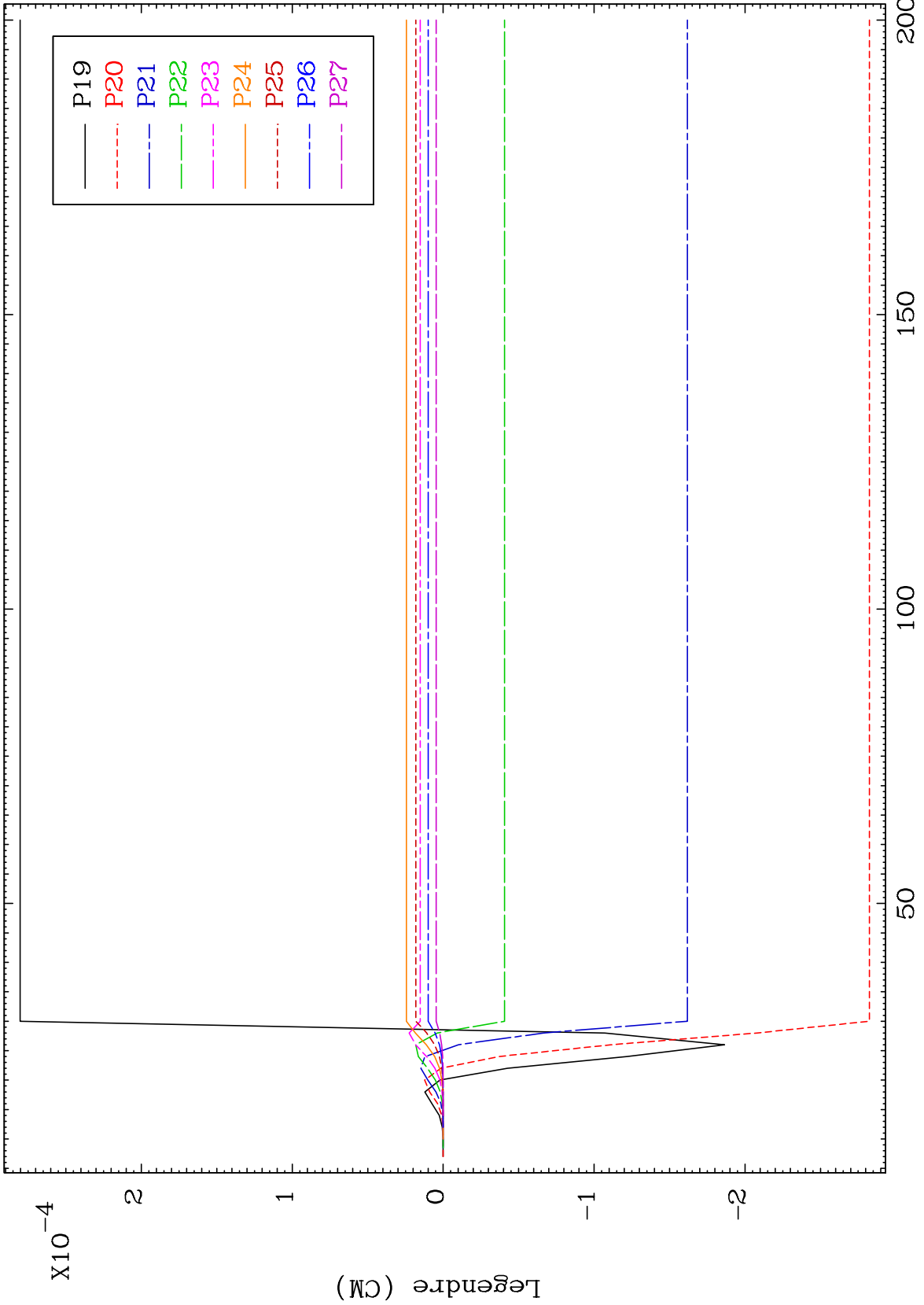
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



108

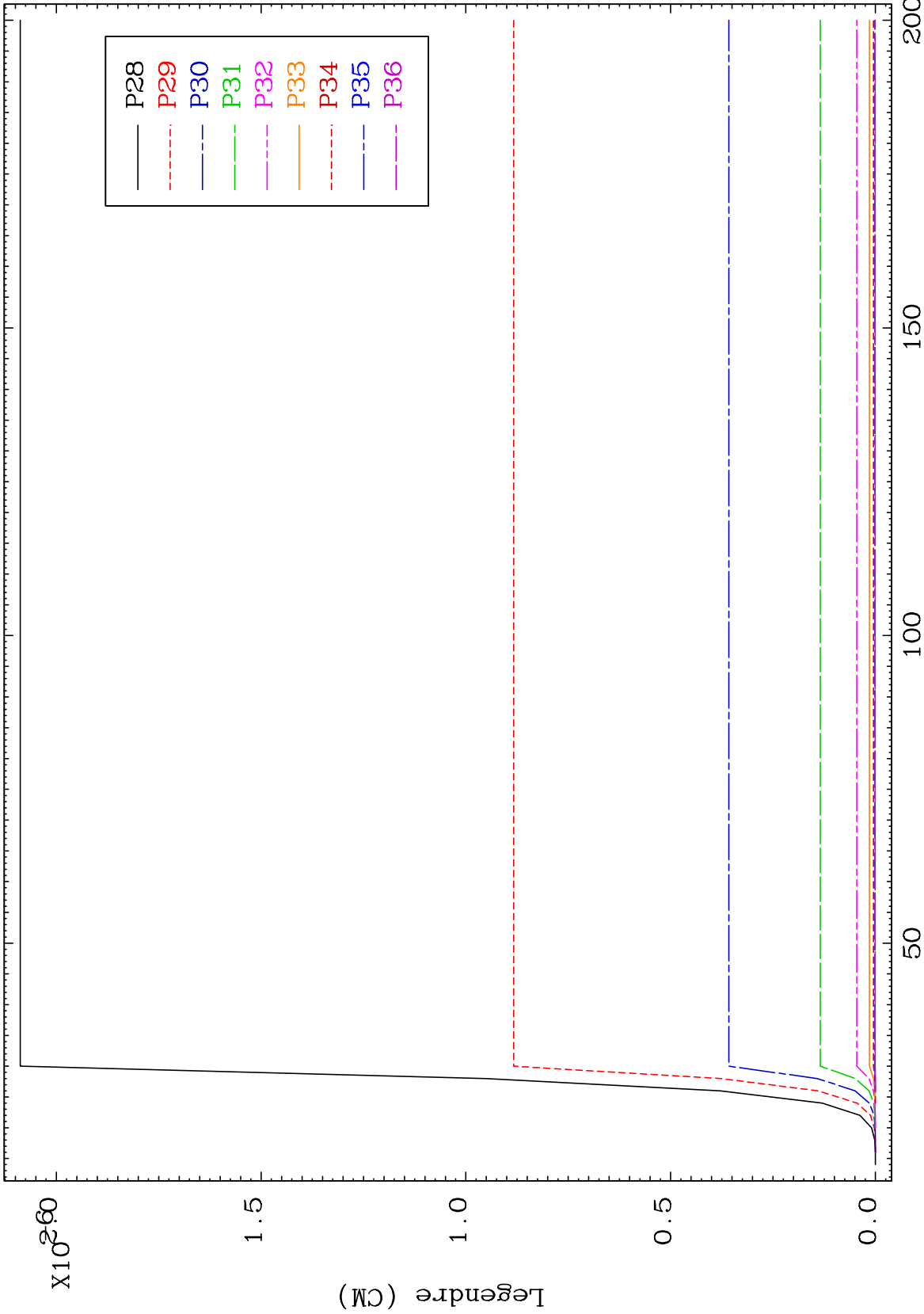
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



109

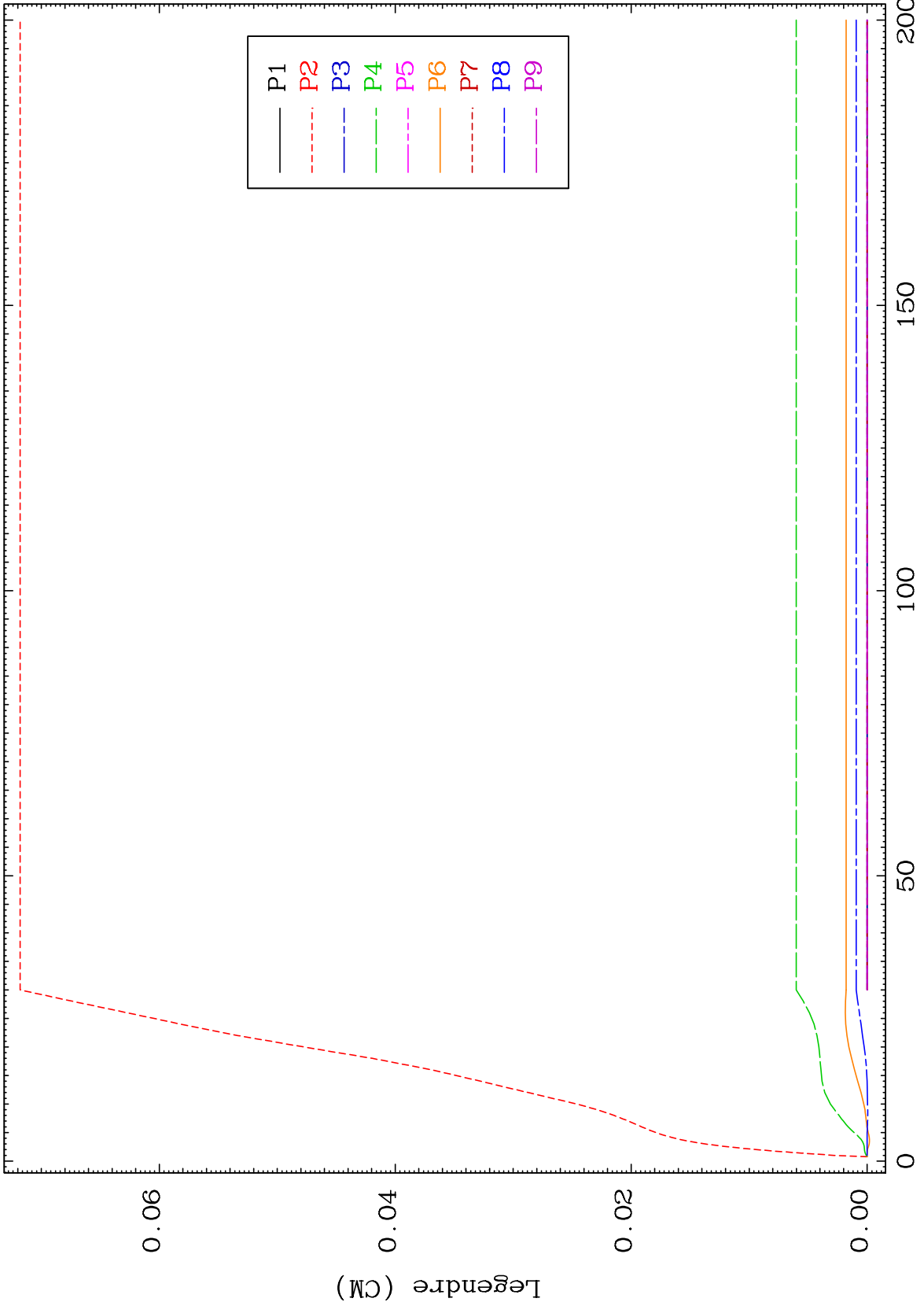
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



70-Yb-169

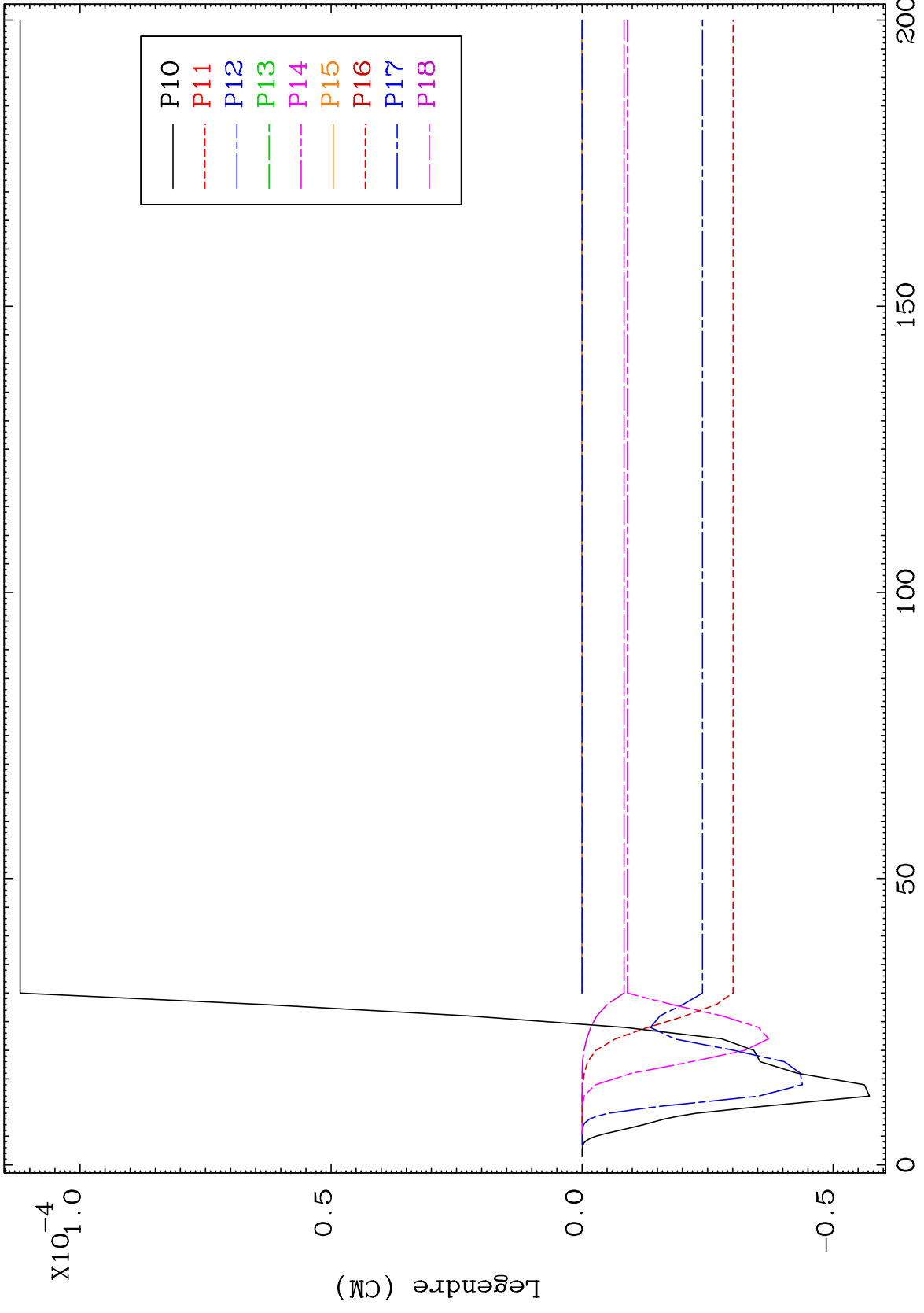
Incident Energy (MeV)

110

MAT 7028

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

70-Yb-169

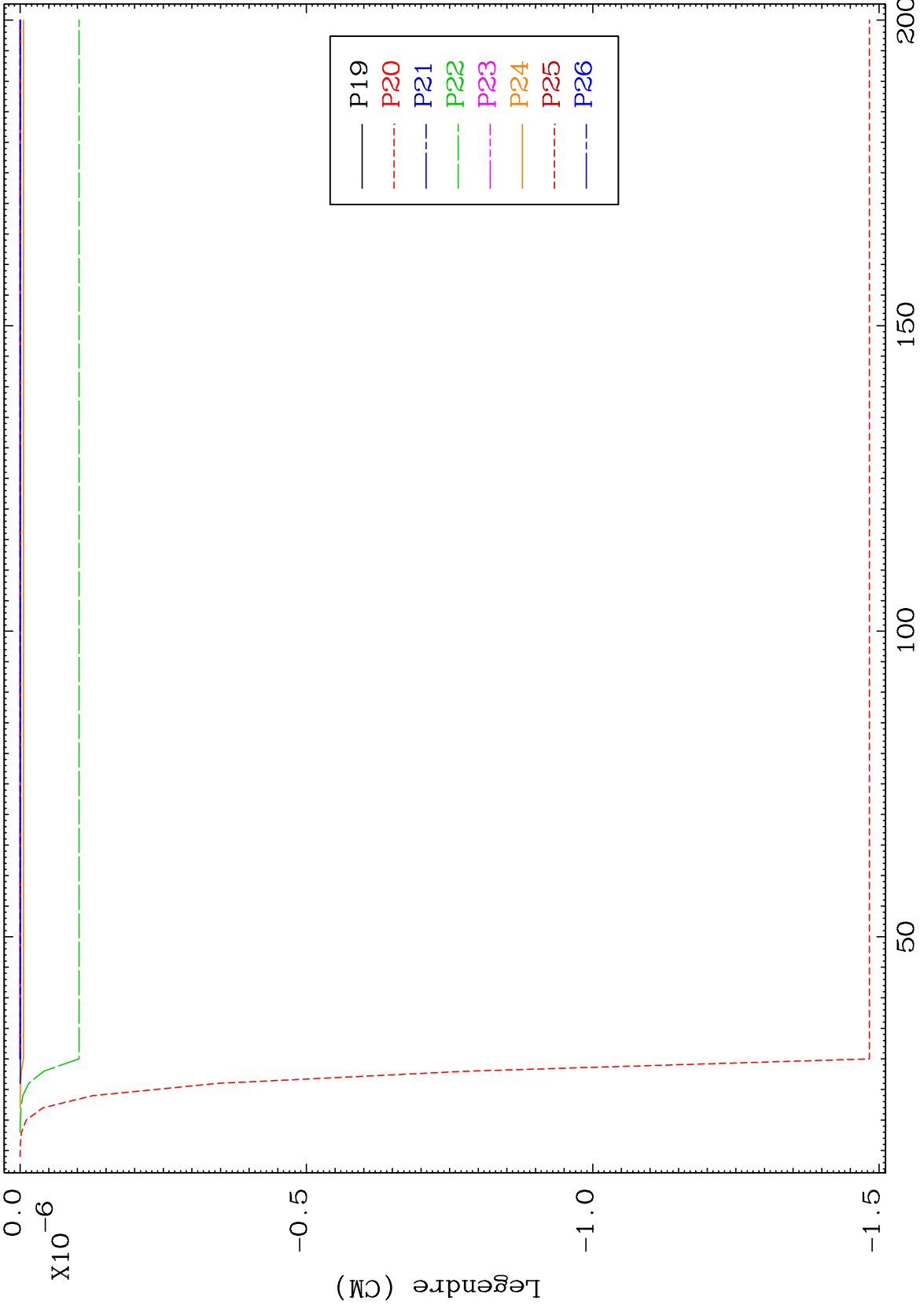


111

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 77 (n,n') Level Legendre Coefficients 70-Yb-169

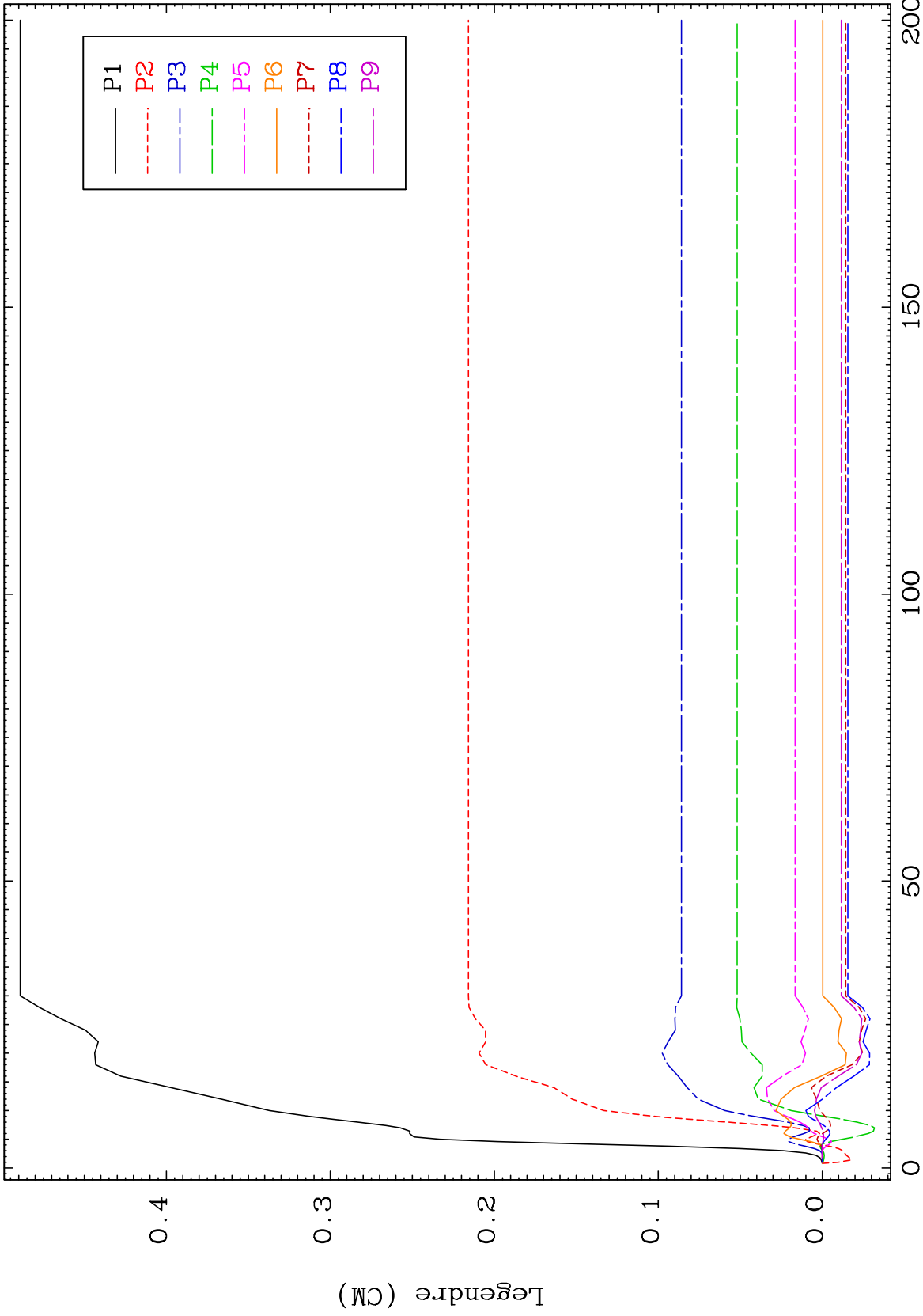


112 70-Yb-169

MAT 7028

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

70-Yb-169



113

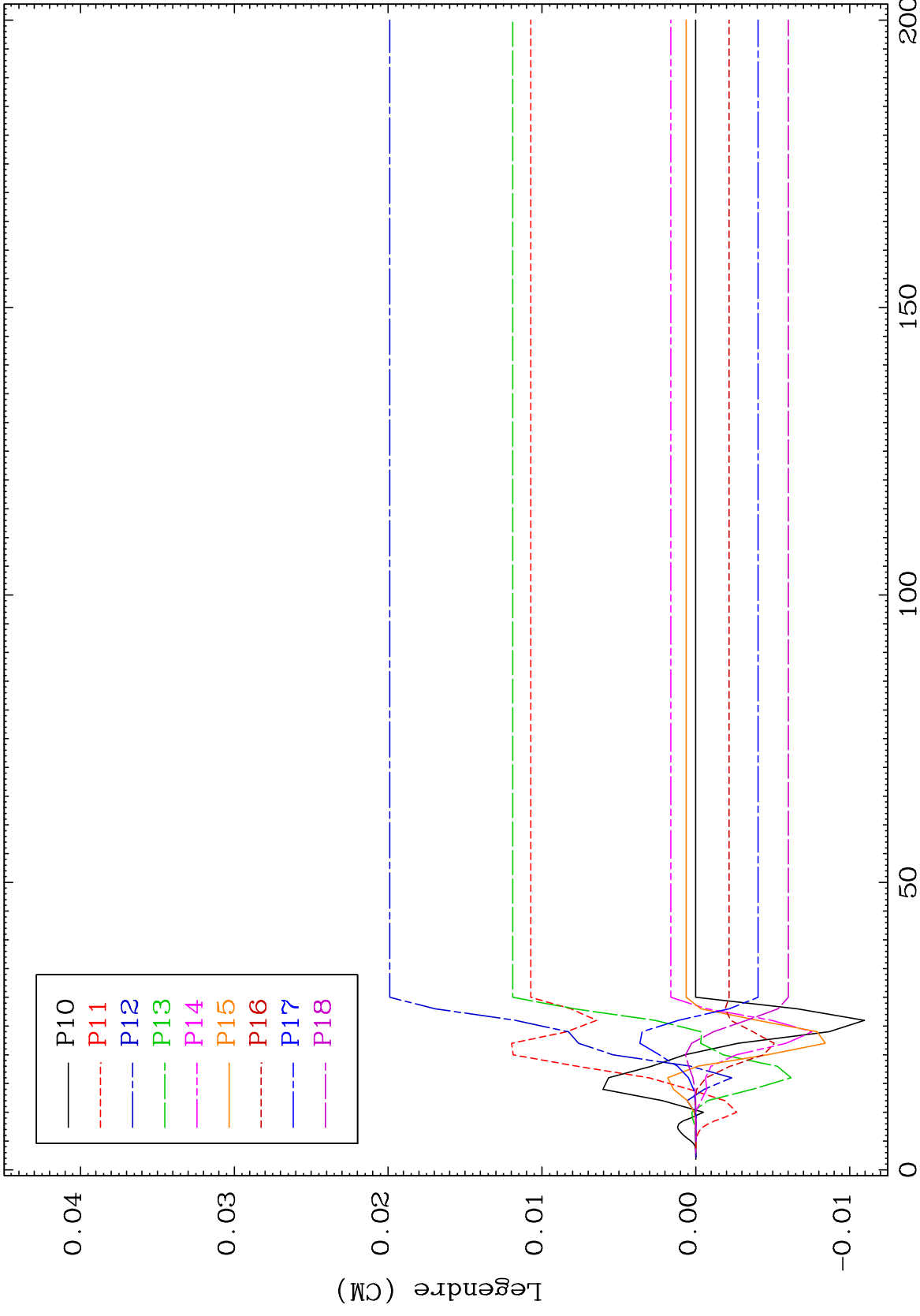
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



114

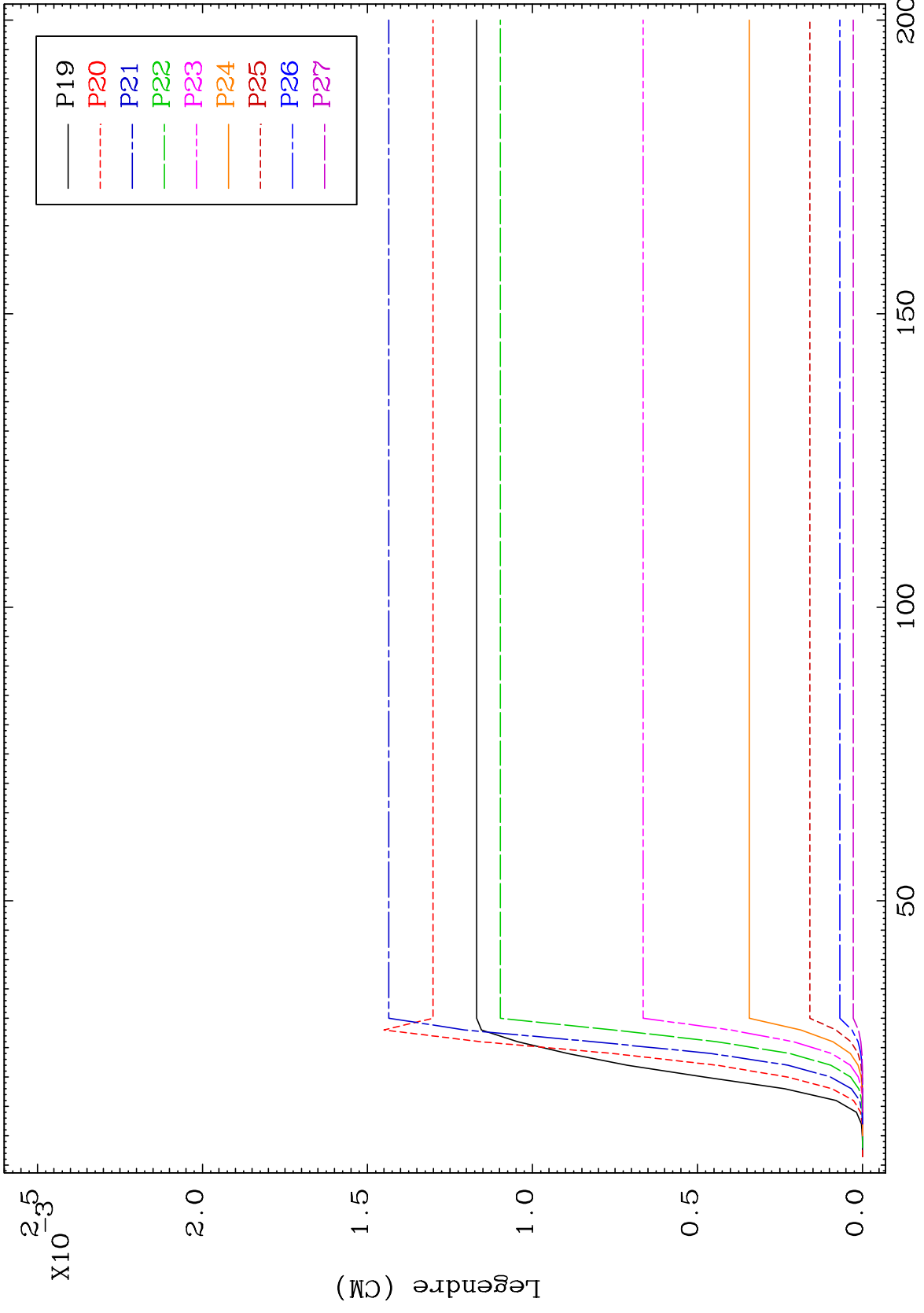
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



115

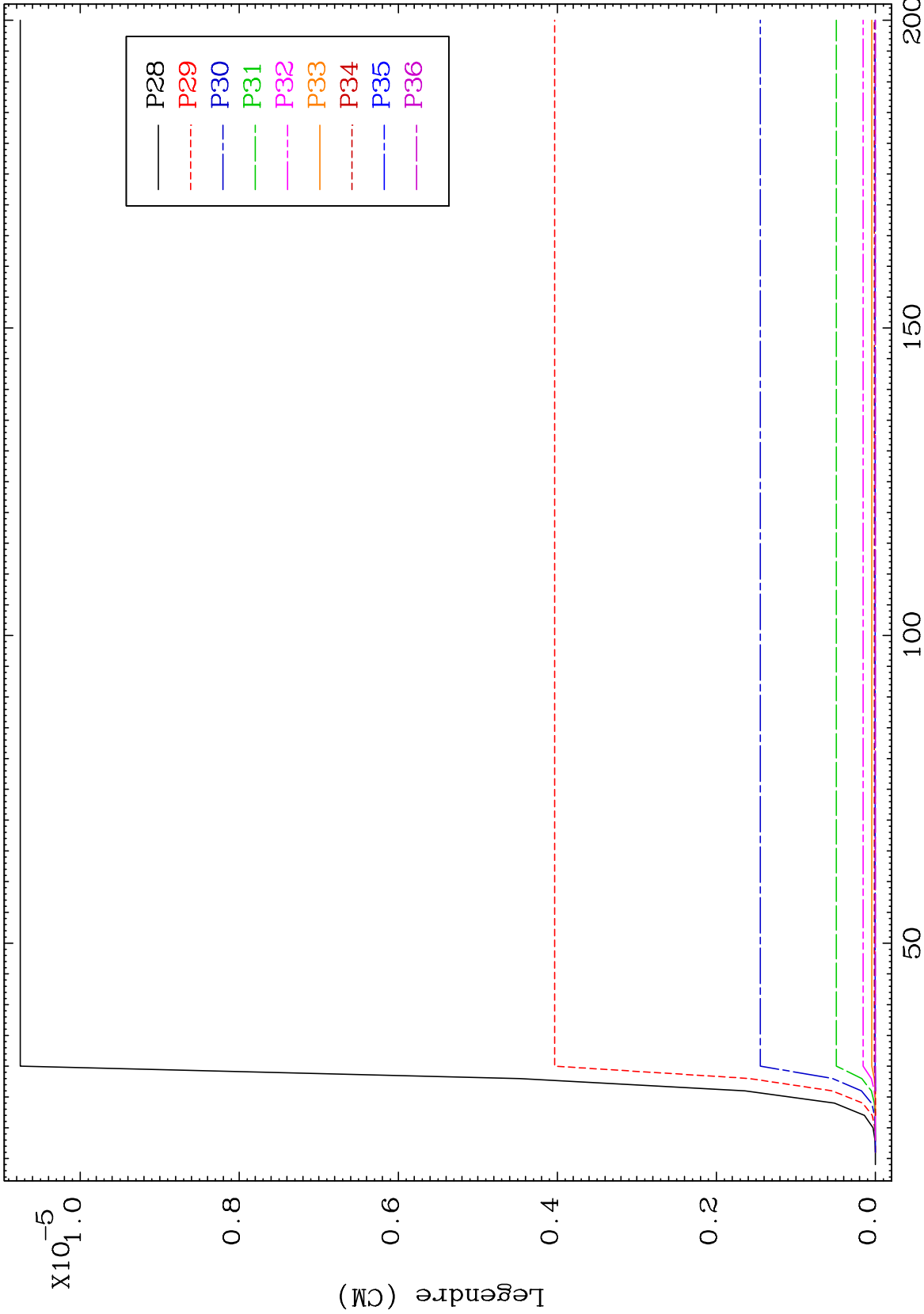
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



116

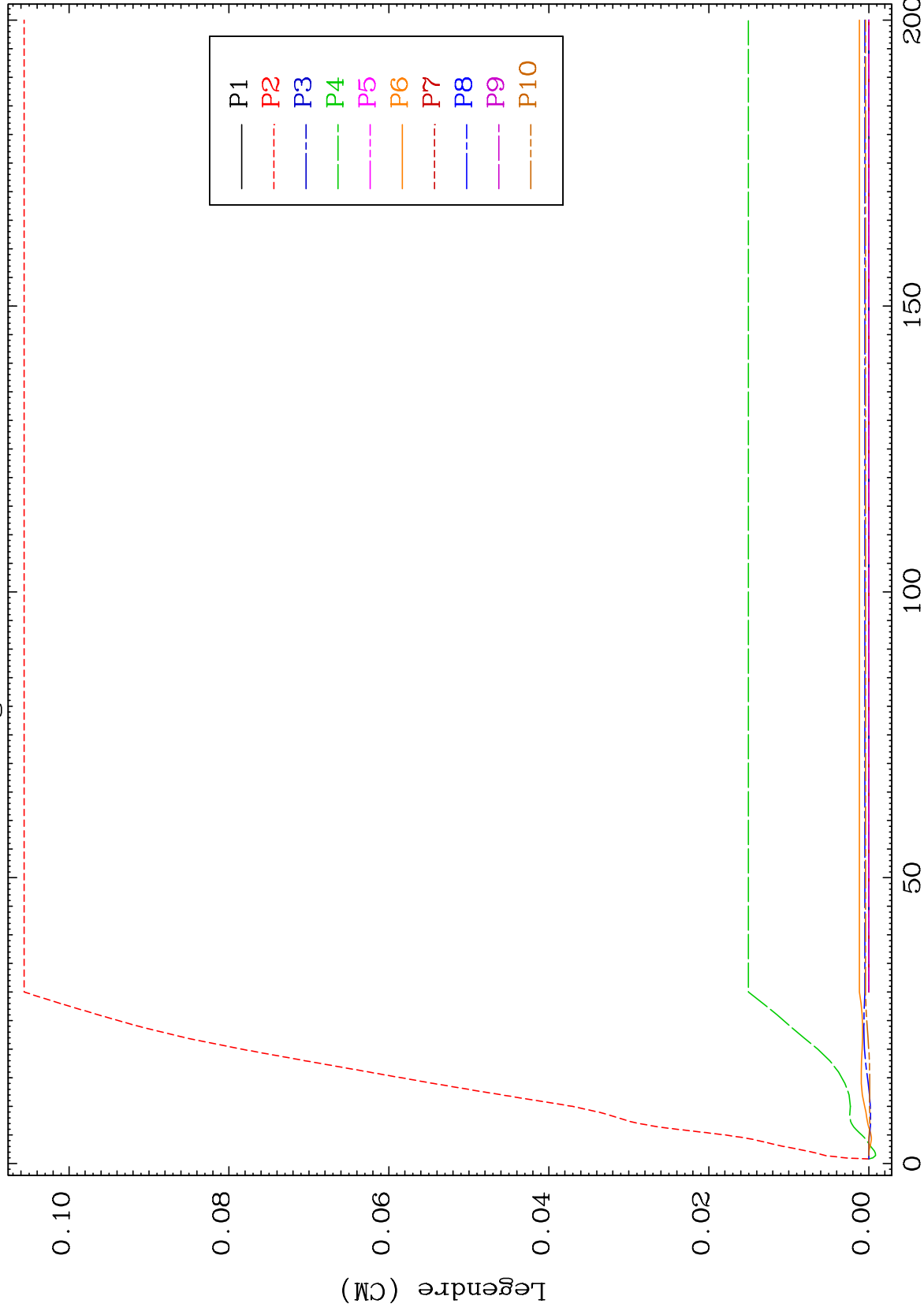
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



117

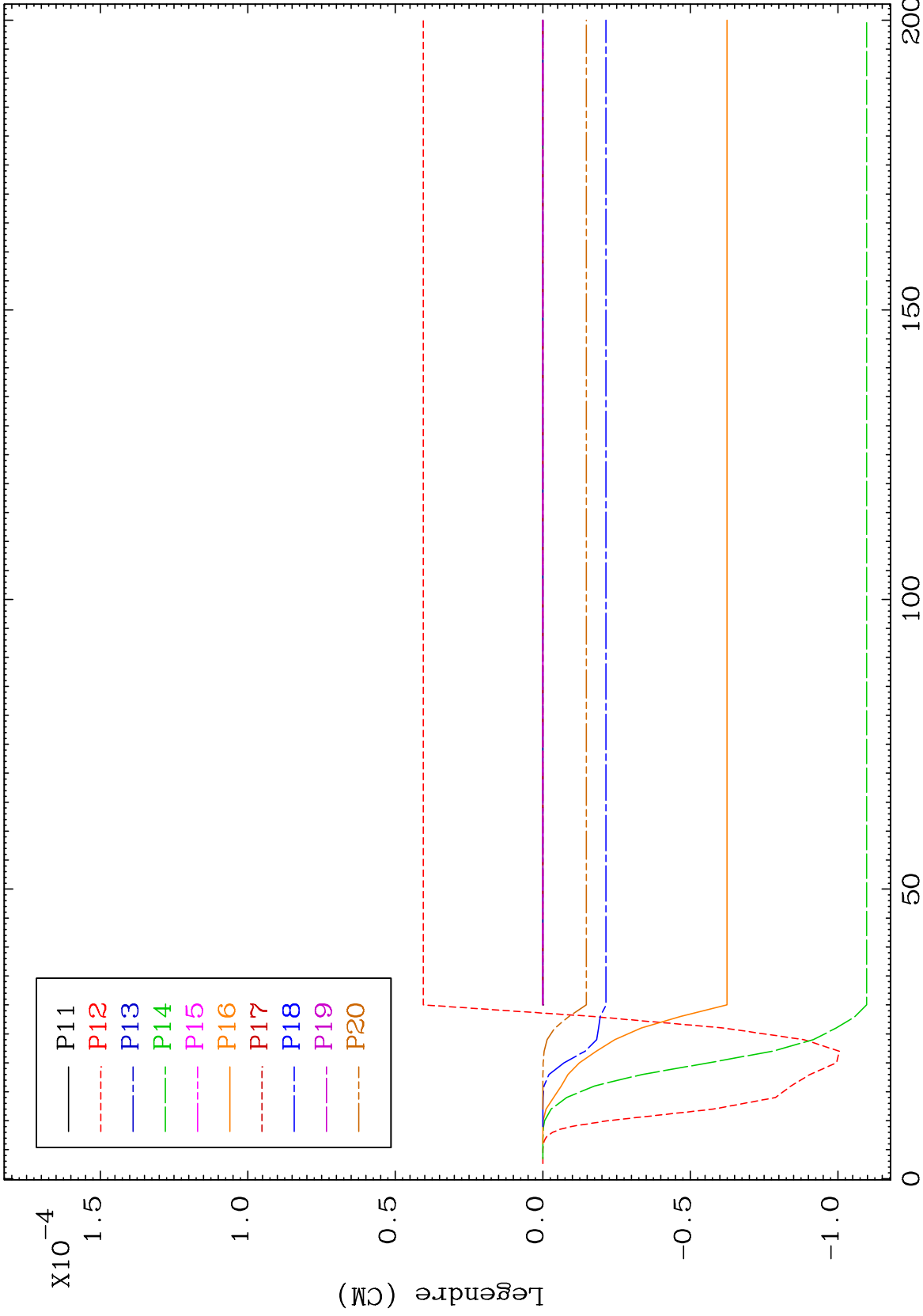
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169

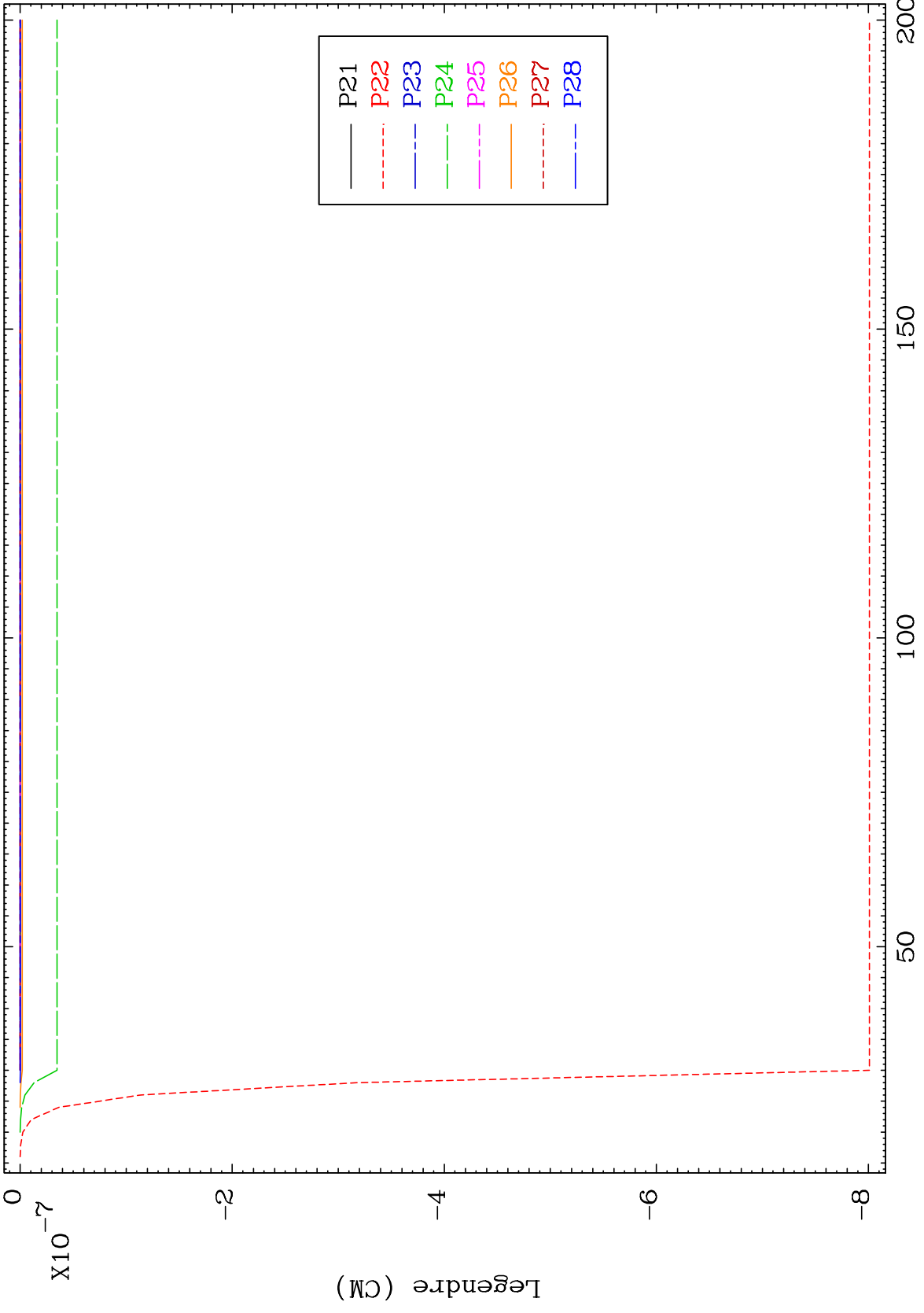


118

Incident Energy (MeV)

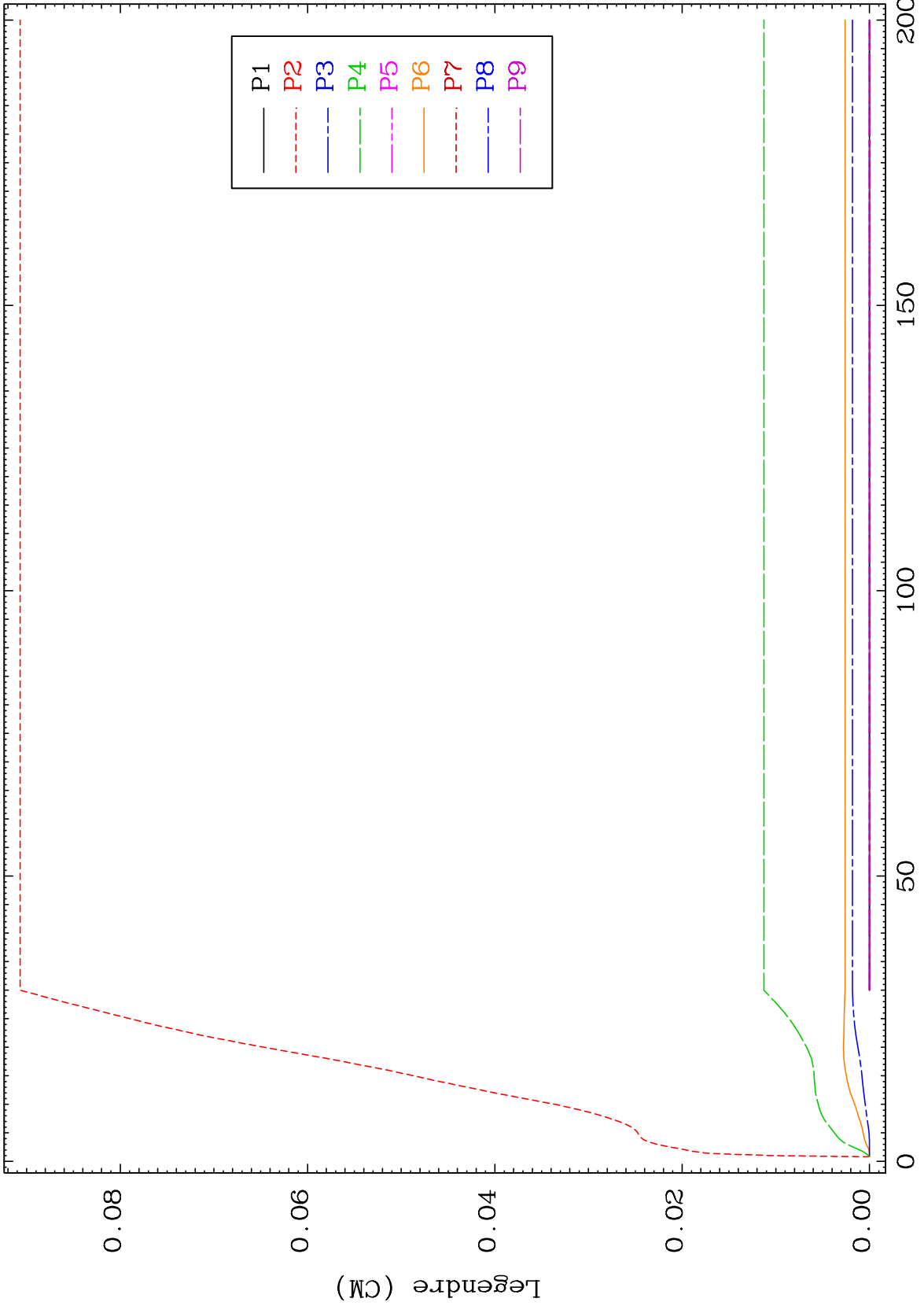
70-Yb-169

MAT 7028 MT= 79 (n,n') Level Legendre Coefficients 70-Yb-169



119 70-Yb-169

MAT 7028 MT= 80 (n,n') Level Legendre Coefficients 70-Yb-169

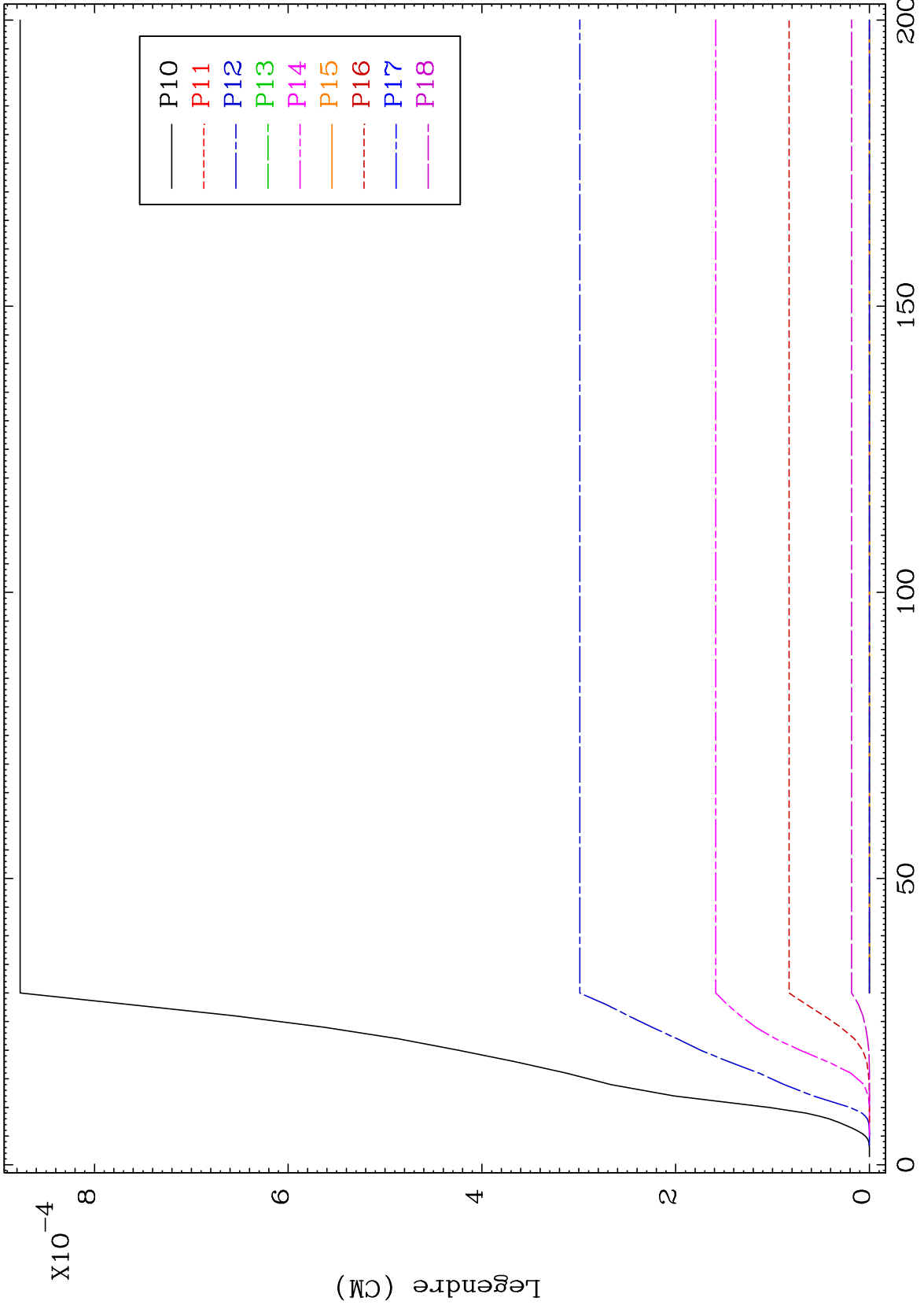


Incident Energy (MeV) 70-Yb-169

MAT 7028

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

70-Yb-169

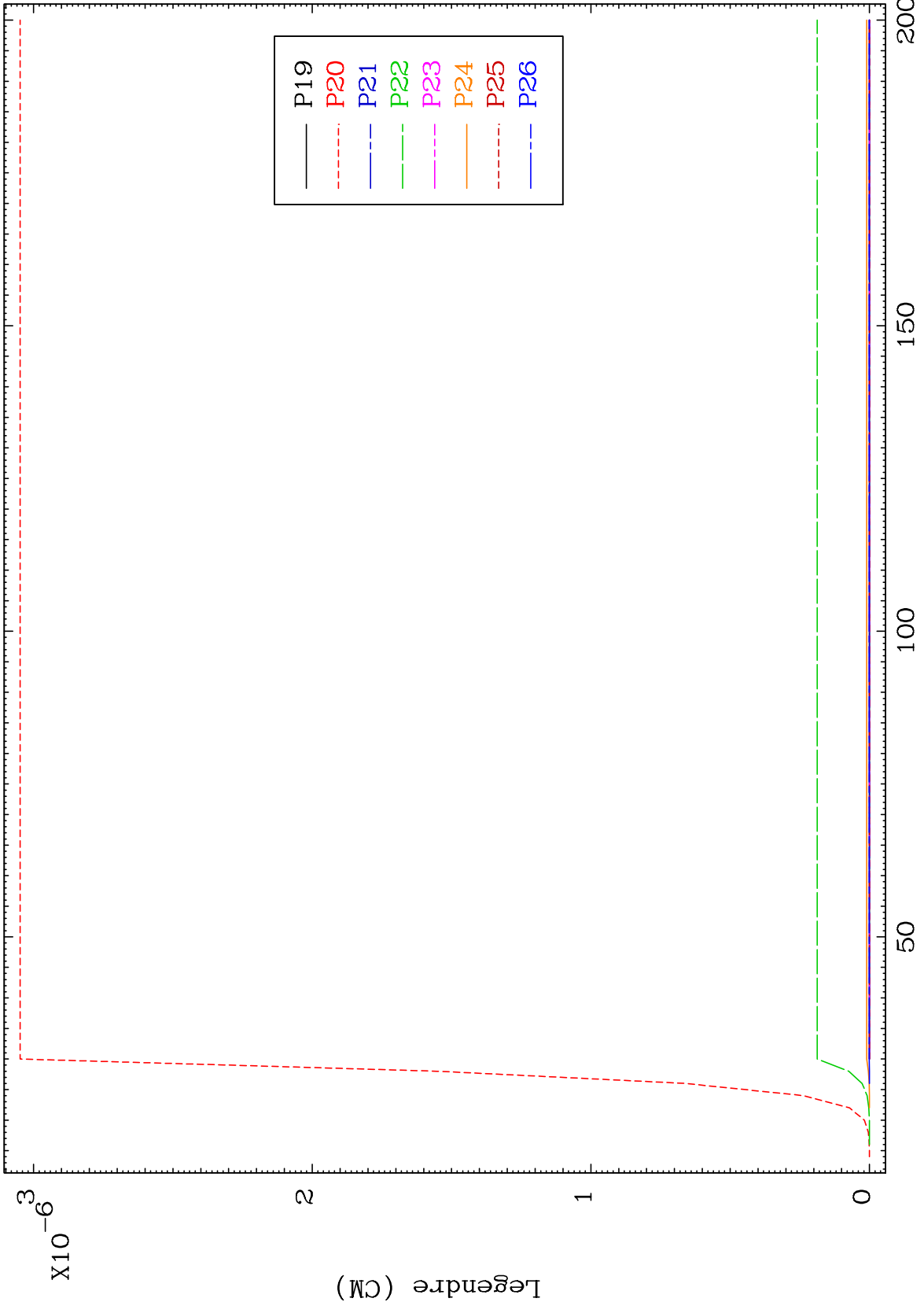


121

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 80 (n,n') Level Legendre Coefficients 70-Yb-169

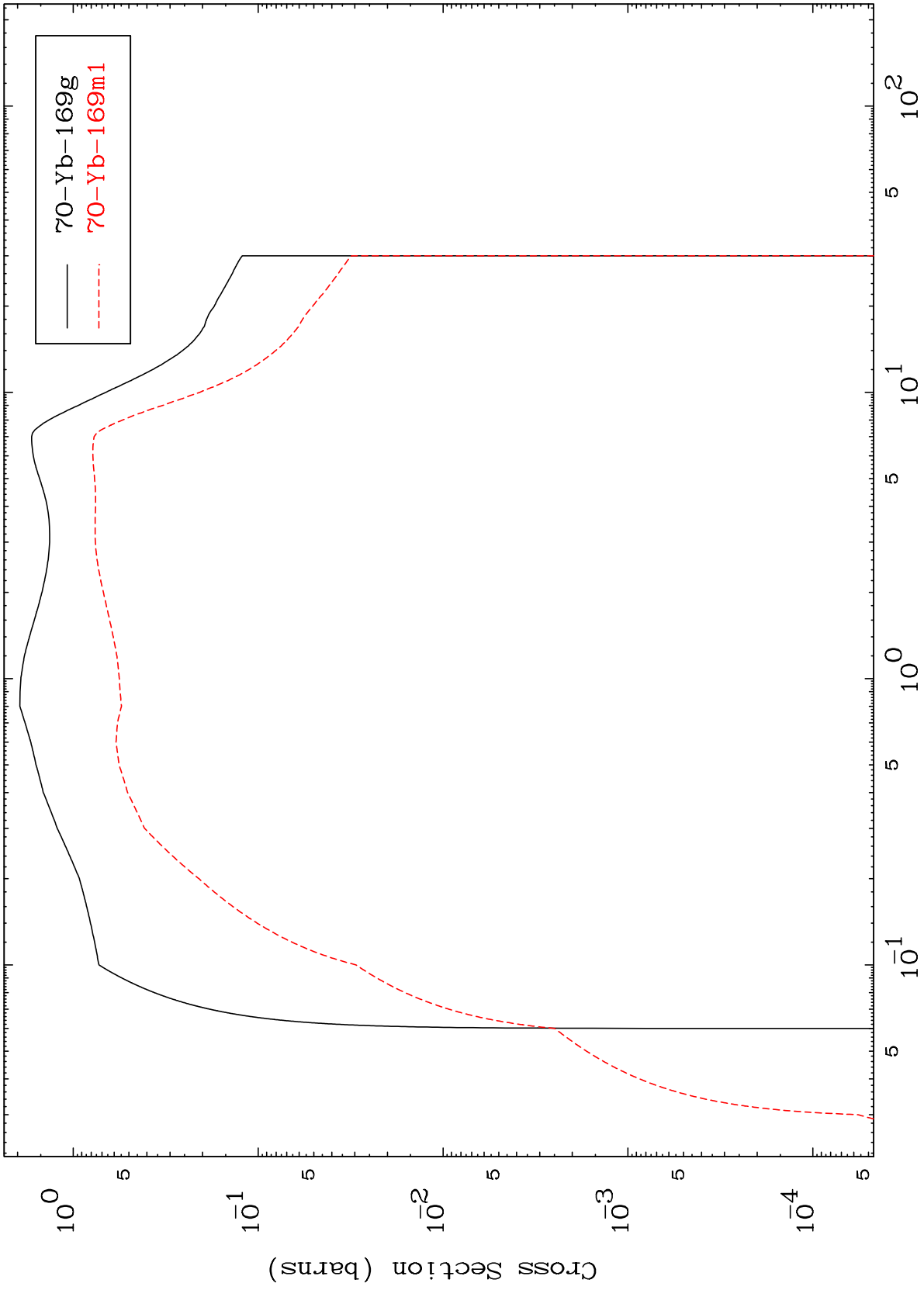


122 50 100 150 200 70-Yb-169

MAT 7028

70-Yb-169

Inelastic Radionuclide Production Cross Section



— 70-Yb-169g
- - - 70-Yb-169m1

123

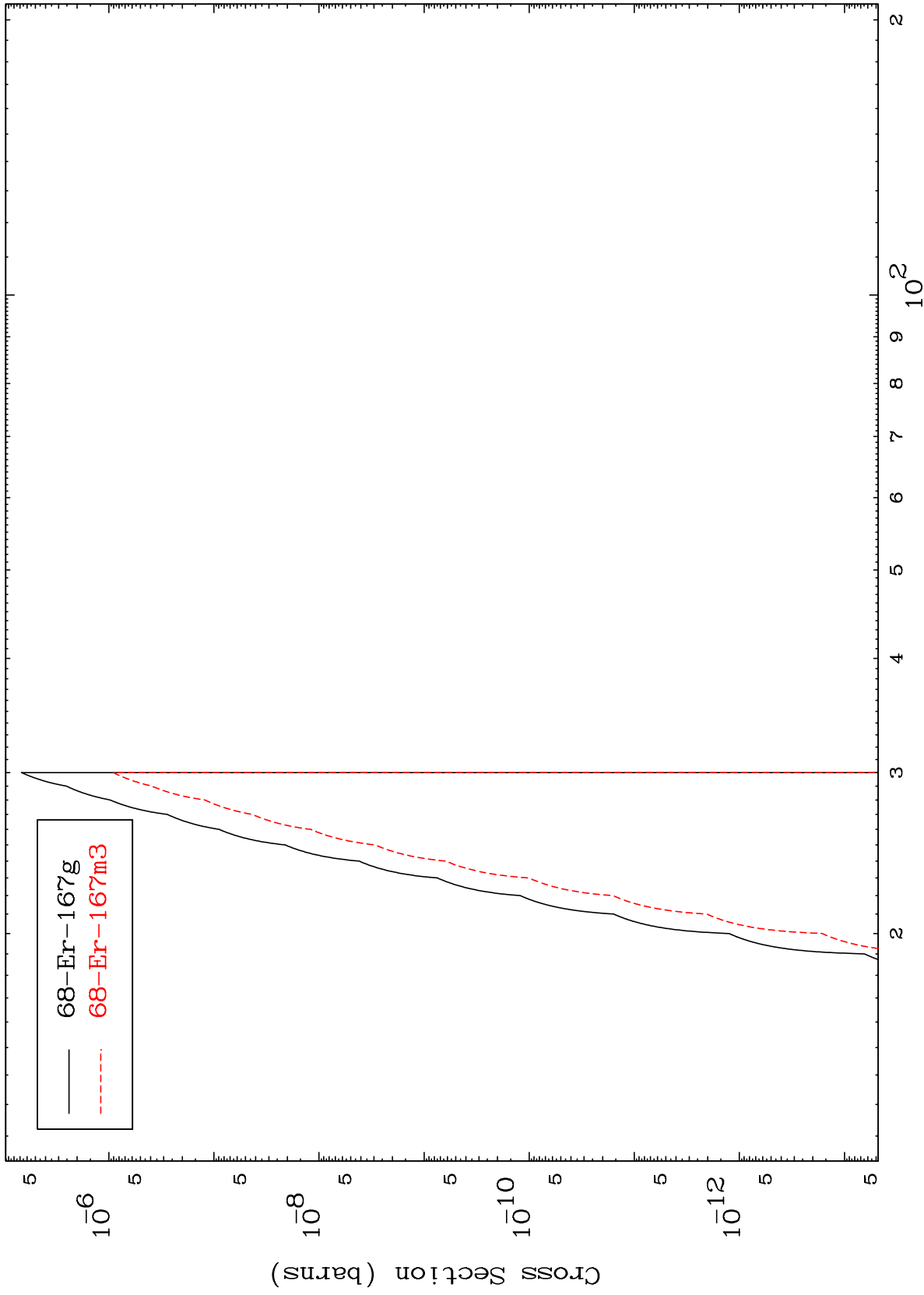
70-Yb-169

MAT 7028

(n,2n) p

70-Yb-169

Radionuclide Production Cross Section



124

Incident Energy (MeV)

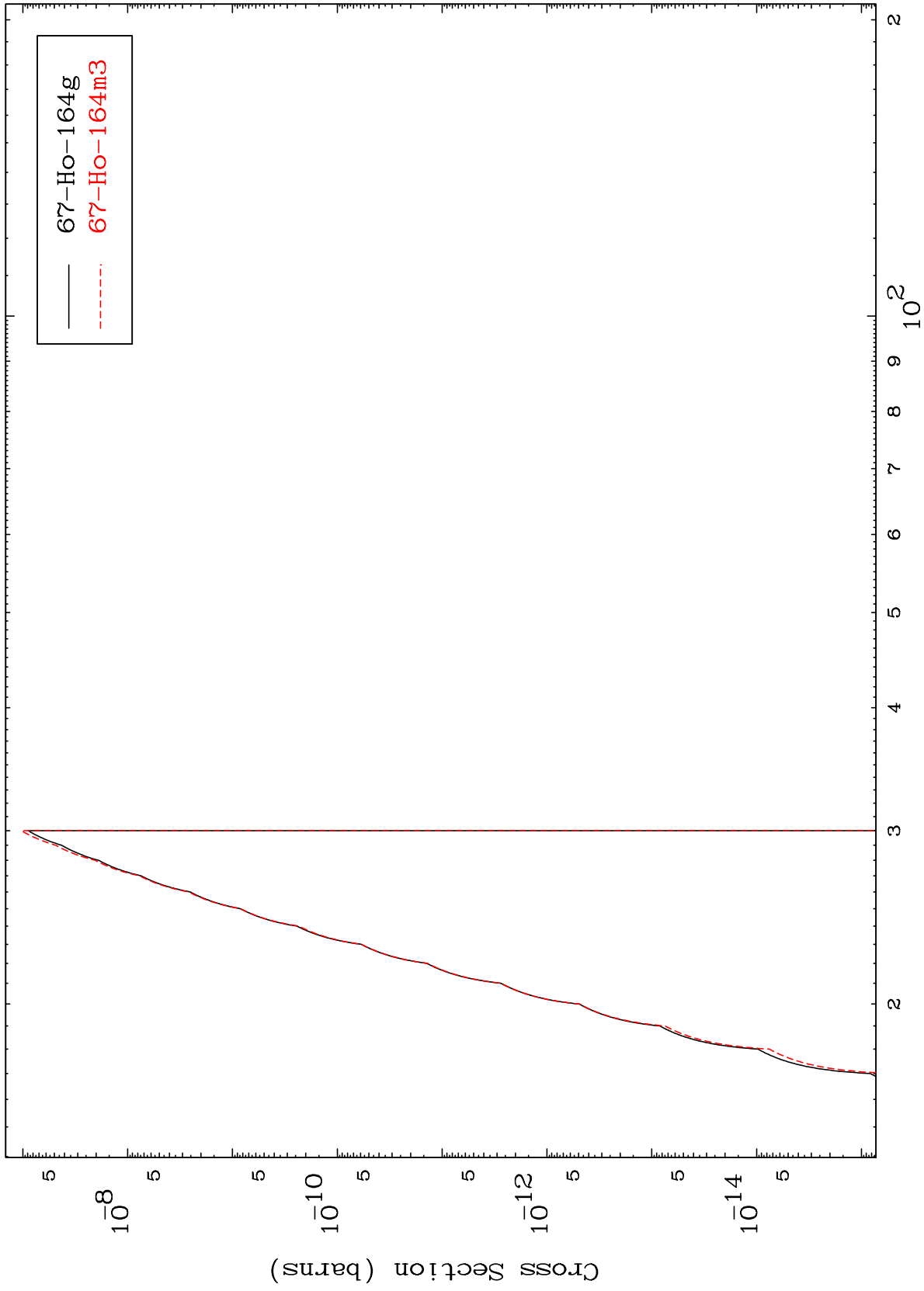
70-Yb-169

MAT 7028

(n,n') p α

70-Yb-169

Radionuclide Production Cross Section



125

Incident Energy (MeV)

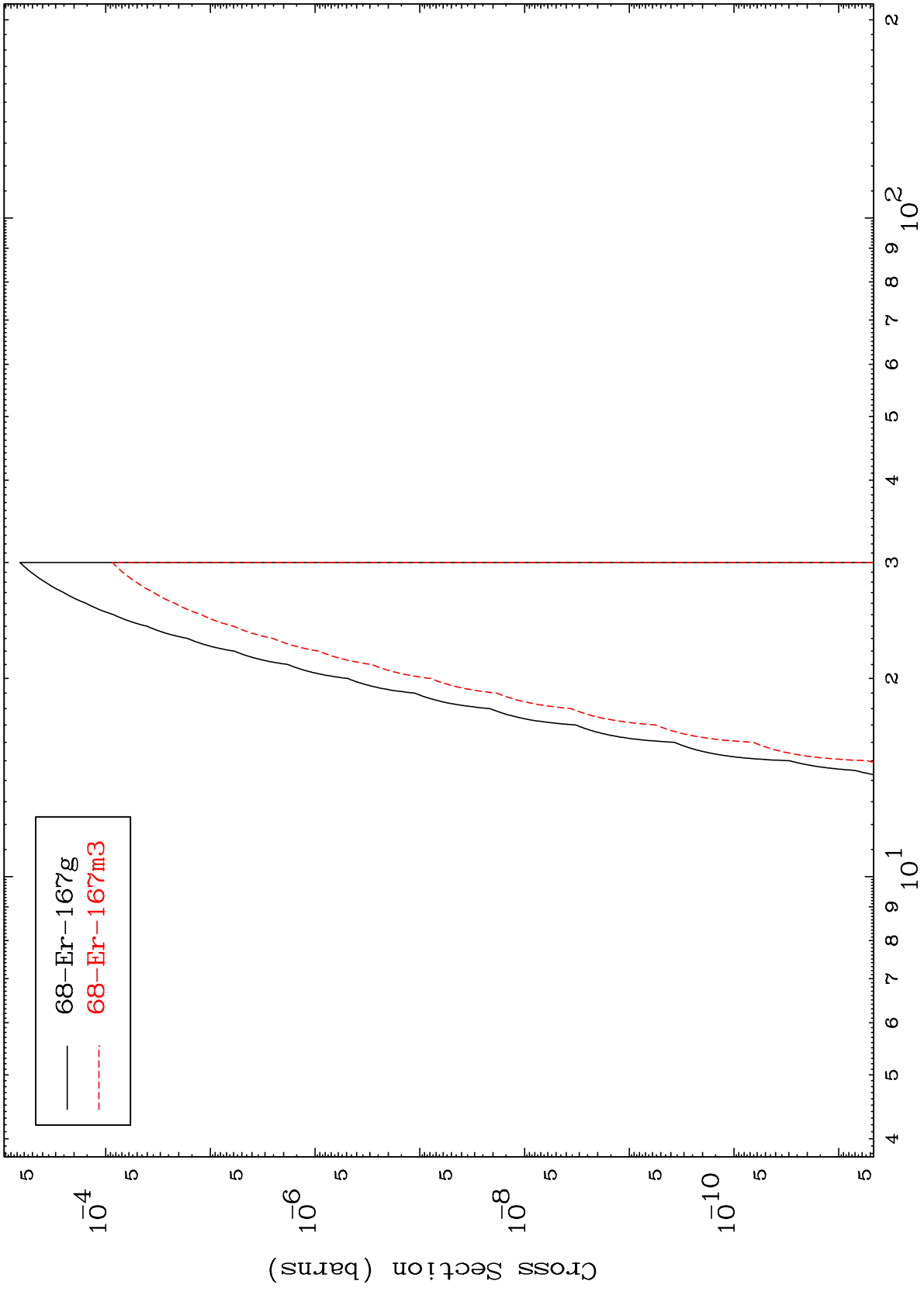
70-Yb-169

MAT 7028

(n, He-3)

70-Yb-169

Radionuclide Production Cross Section



126

Incident Energy (MeV)

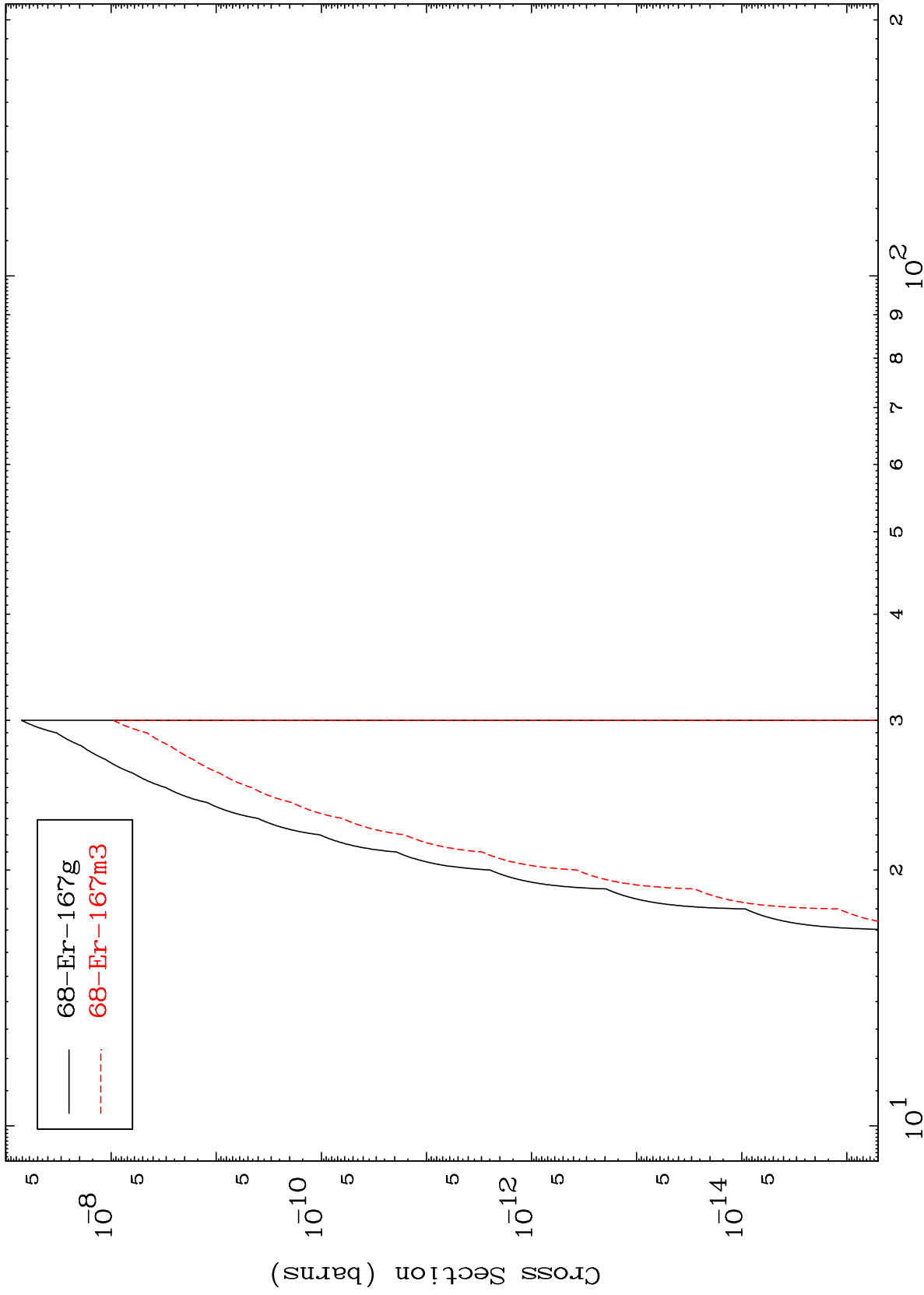
70-Yb-169

MAT 7028

(n,p) d

70-Yb-169

Radionuclide Production Cross Section



127

Incident Energy (MeV)

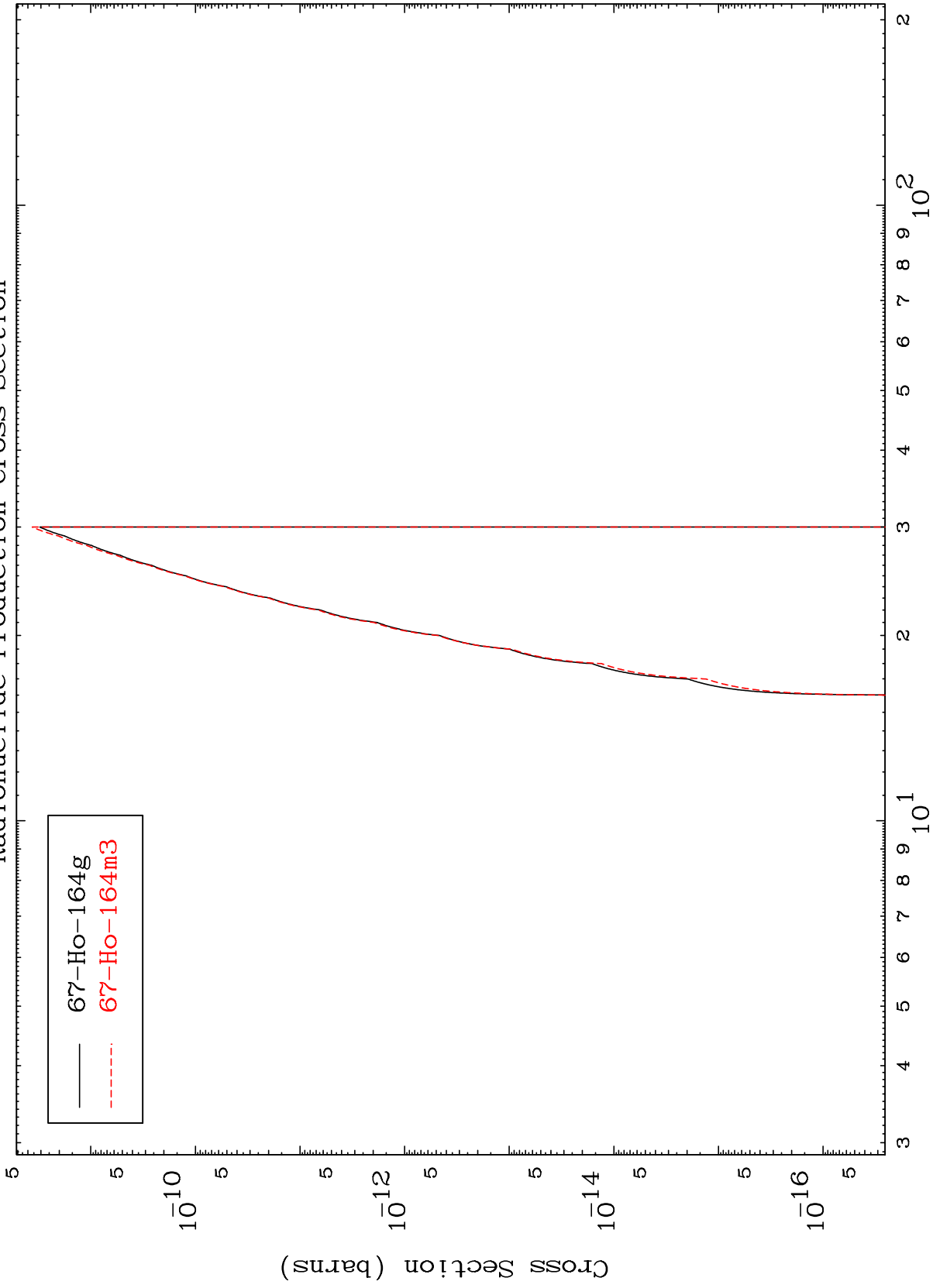
70-Yb-169

MAT 7028

(n,d) α

70-Yb-169

Radionuclide Production Cross Section



67-Ho-164g
67-Ho-164m3