

Program EVALPLOT
(Version 2018-1)

by

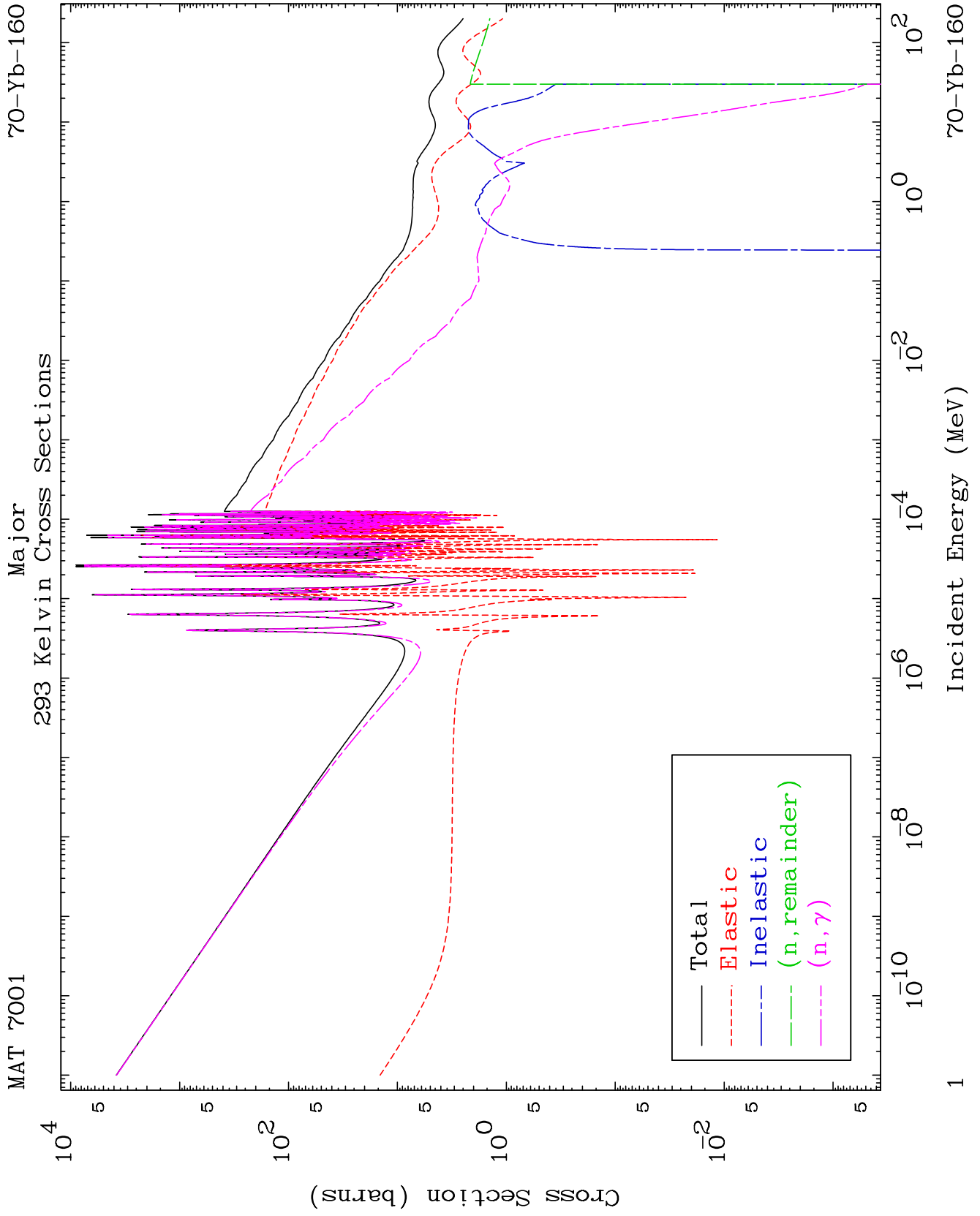
Dermott E. Cullen
(Present Contact Information)

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E.Mail:redcullen1@comcast.net
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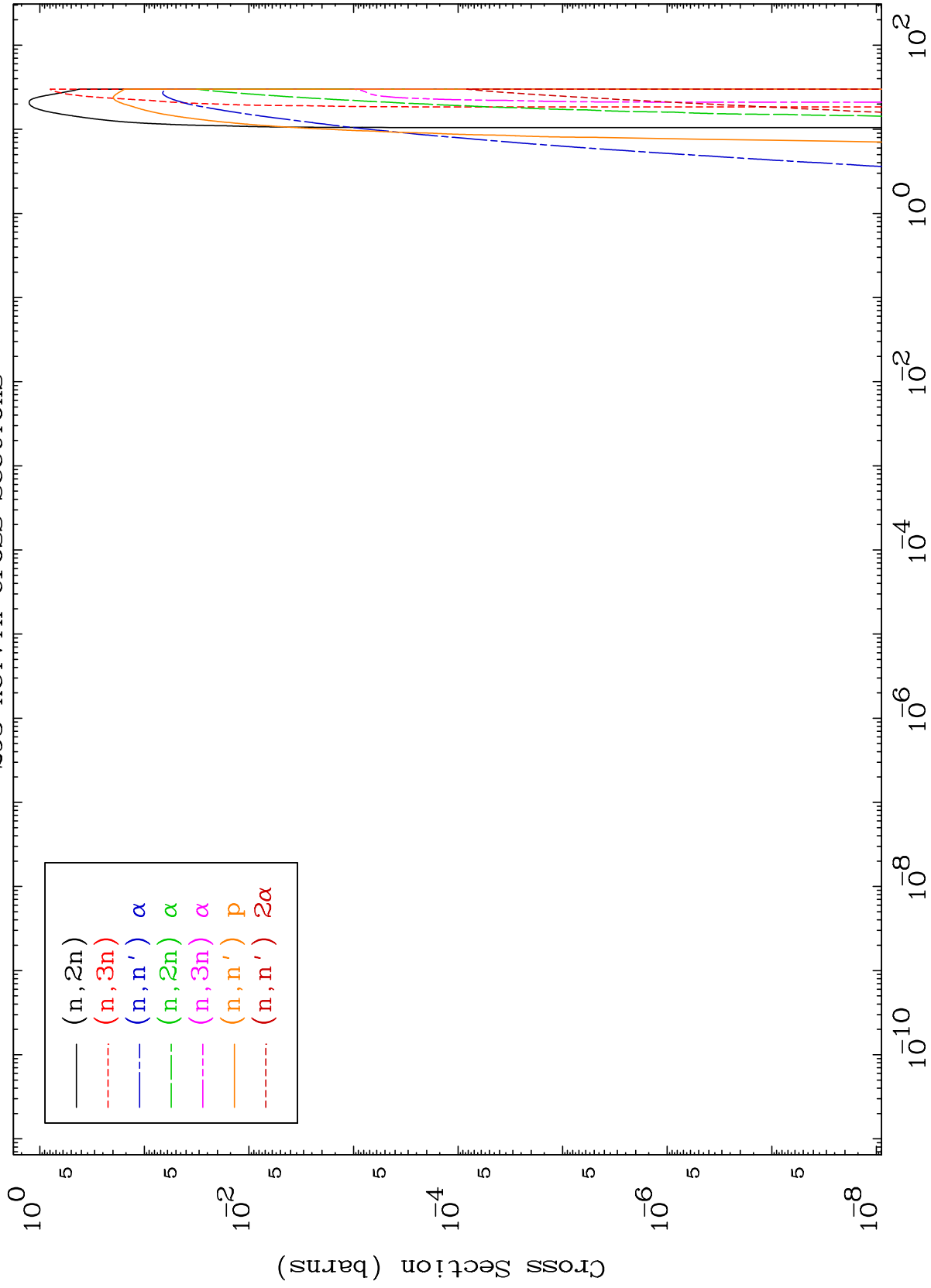
Press Mouse Button to Start



MAT 7001

Neutron Production
293 Kelvin Cross Sections

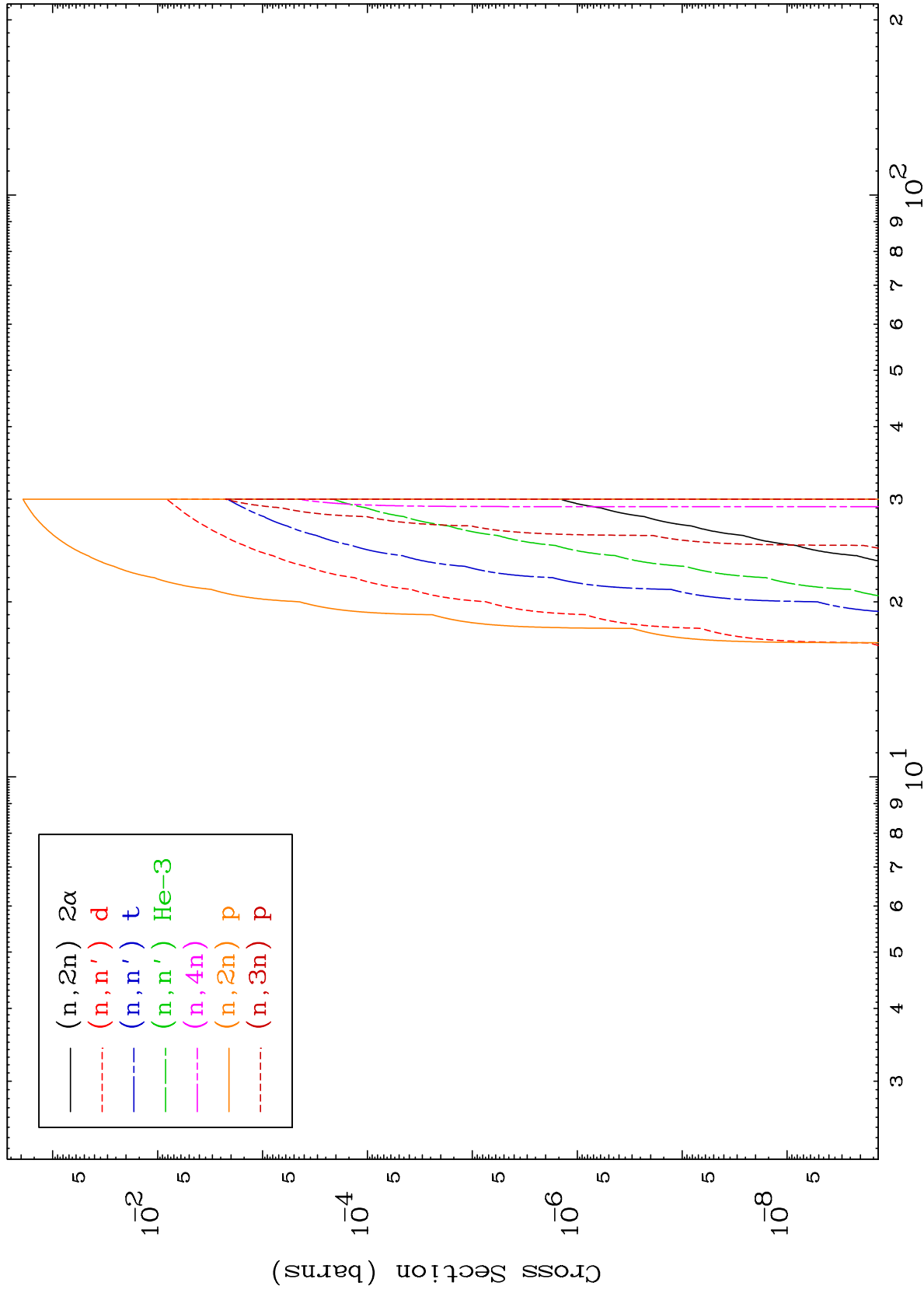
70-Yb-160



MAT 7001

Neutron Production
293 Kelvin Cross Sections

70-Yb-160



3

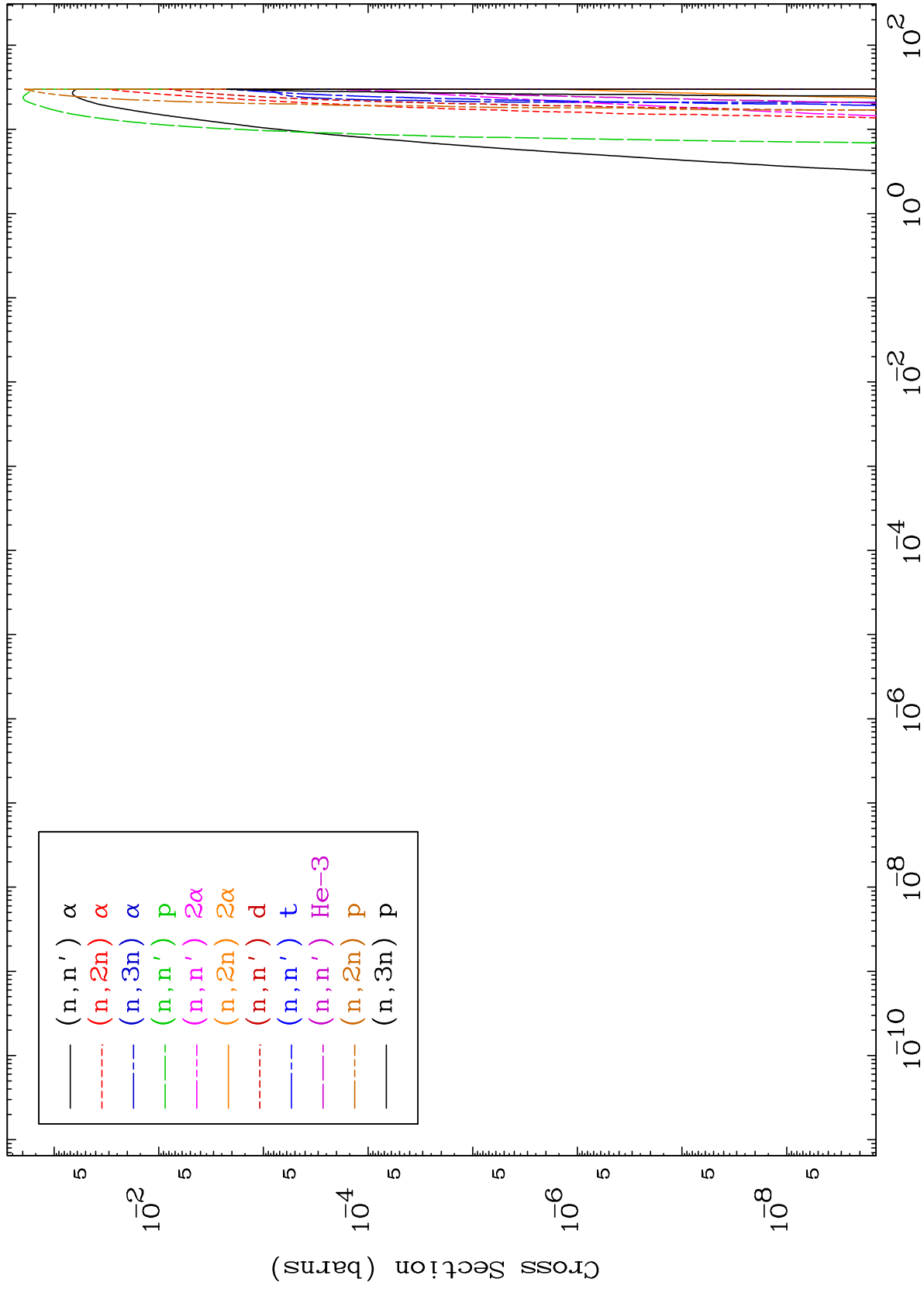
Incident Energy (MeV)

70-Yb-160

MAT 7001

293 Kelvin Cross Sections

70-Yb-160



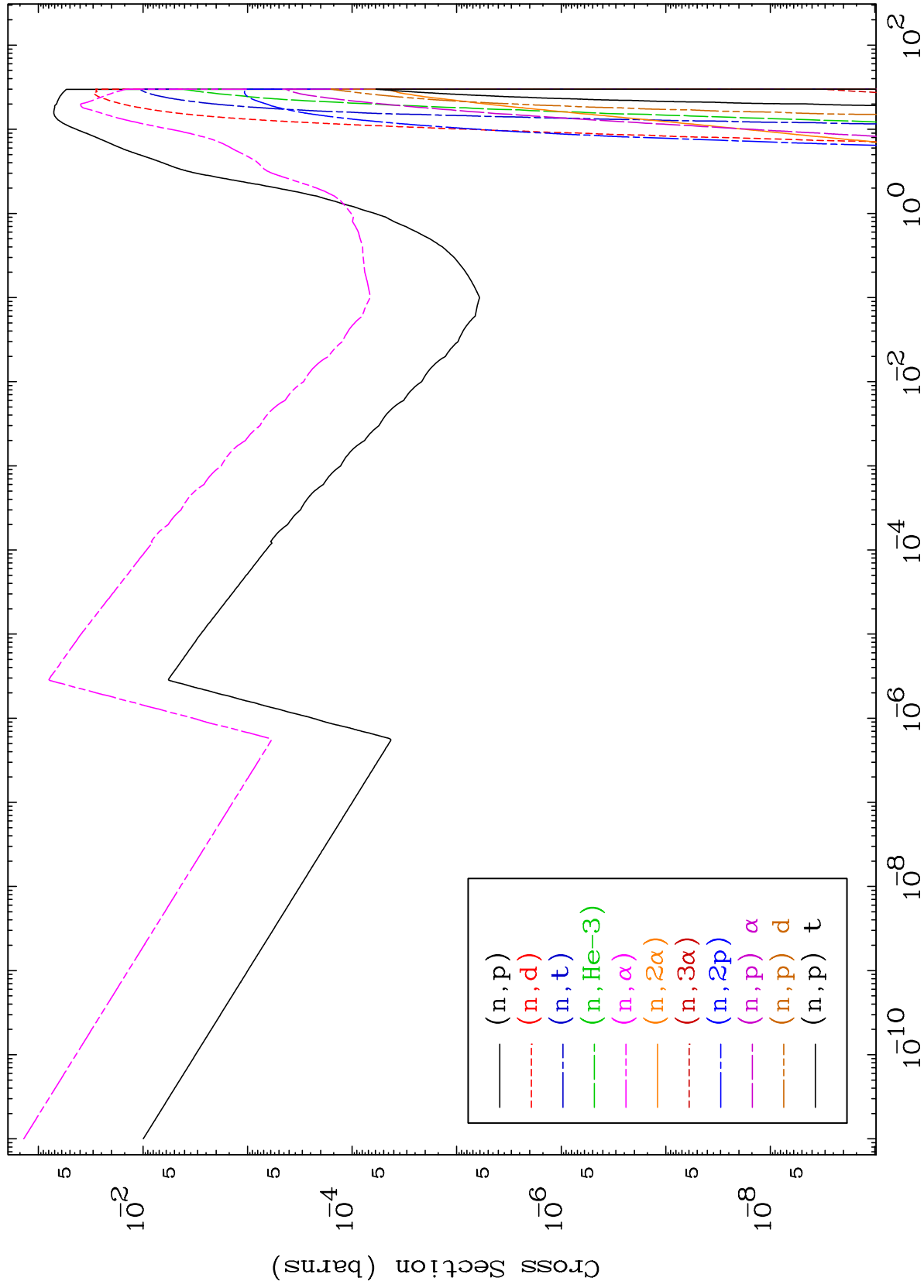
70-Yb-160

Incident Energy (MeV)

MAT 7001

Charged Particle
293 Kelvin Cross Sections

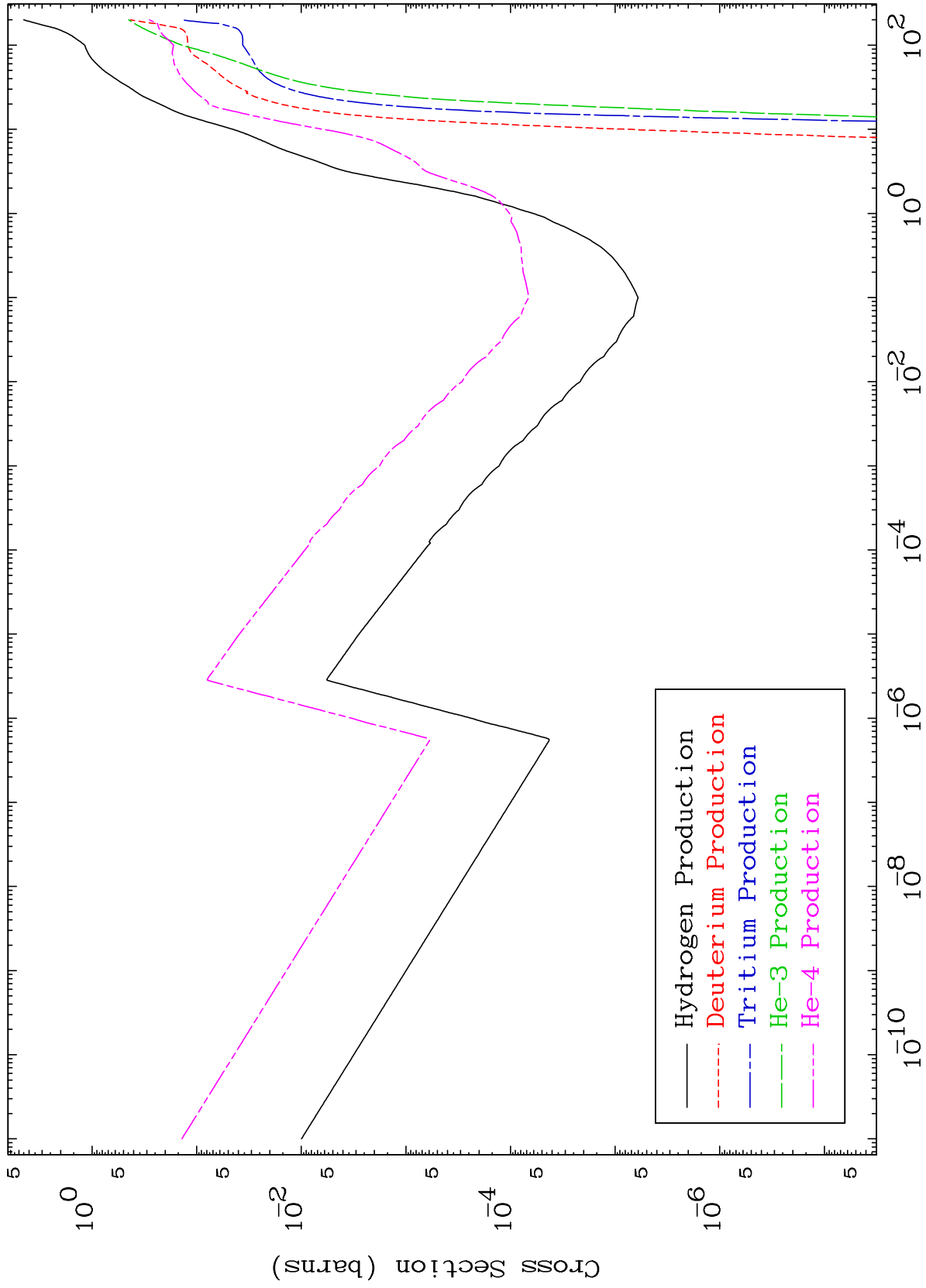
70-Yb-160



MAT 7001

Particle Production
293 Kelvin Cross Sections

70-Yb-160

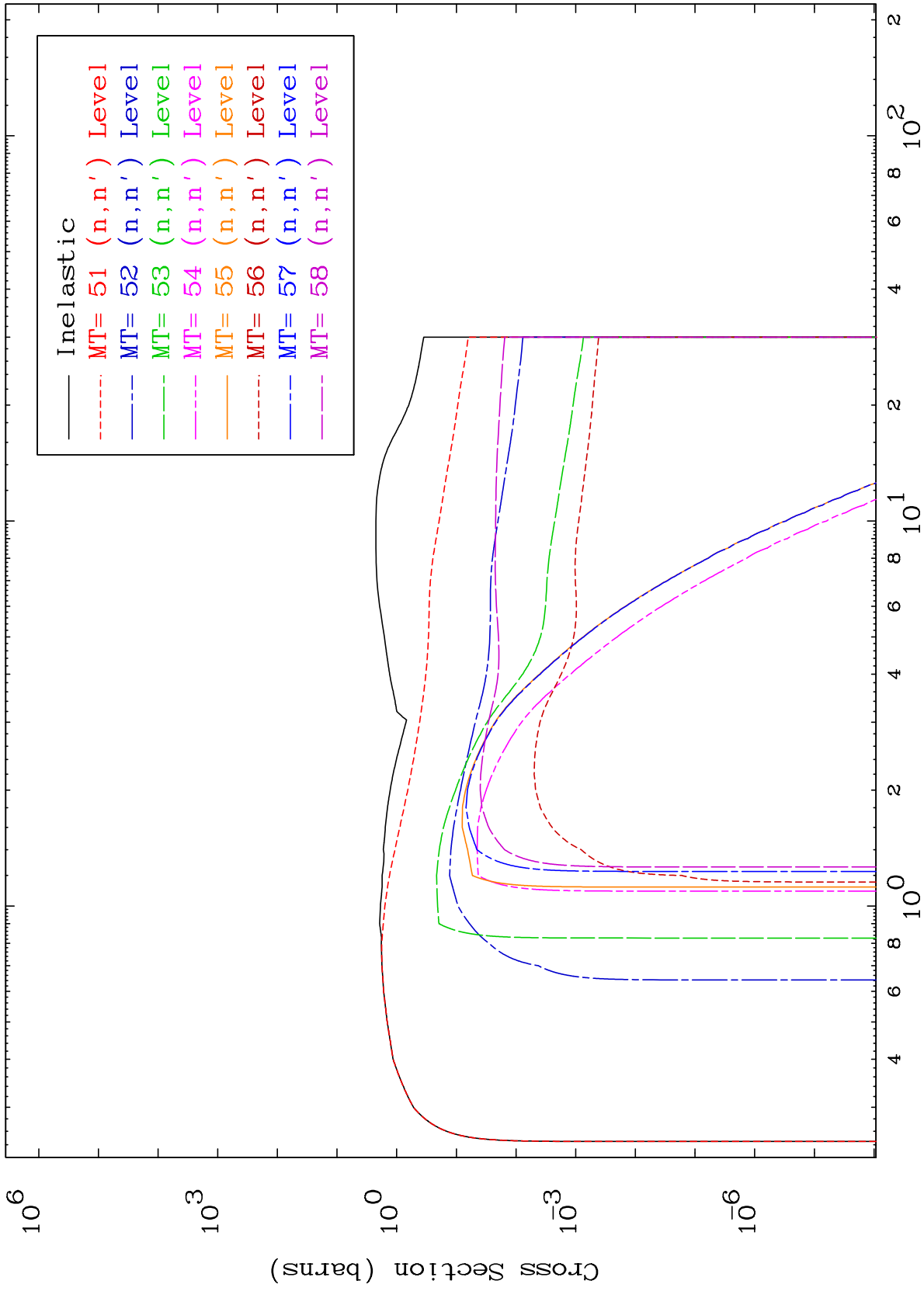


MAT 7001

(n,n') Level

70-Yb-160

293 Kelvin Cross Sections



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Incident Energy (MeV)

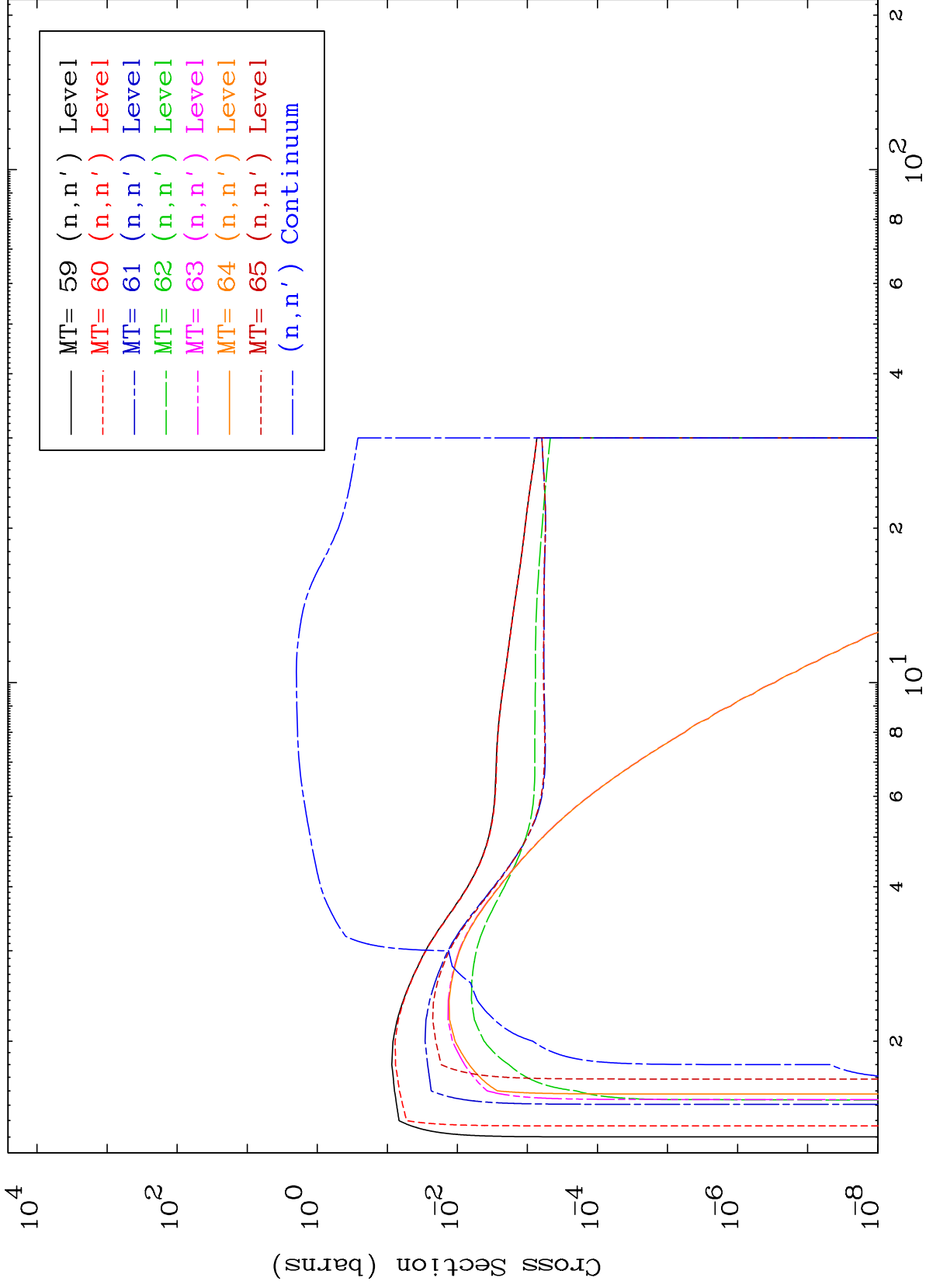
70-Yb-160

MAT 7001

(n,n') Level

70-Yb-160

293 Kelvin Cross Sections



8

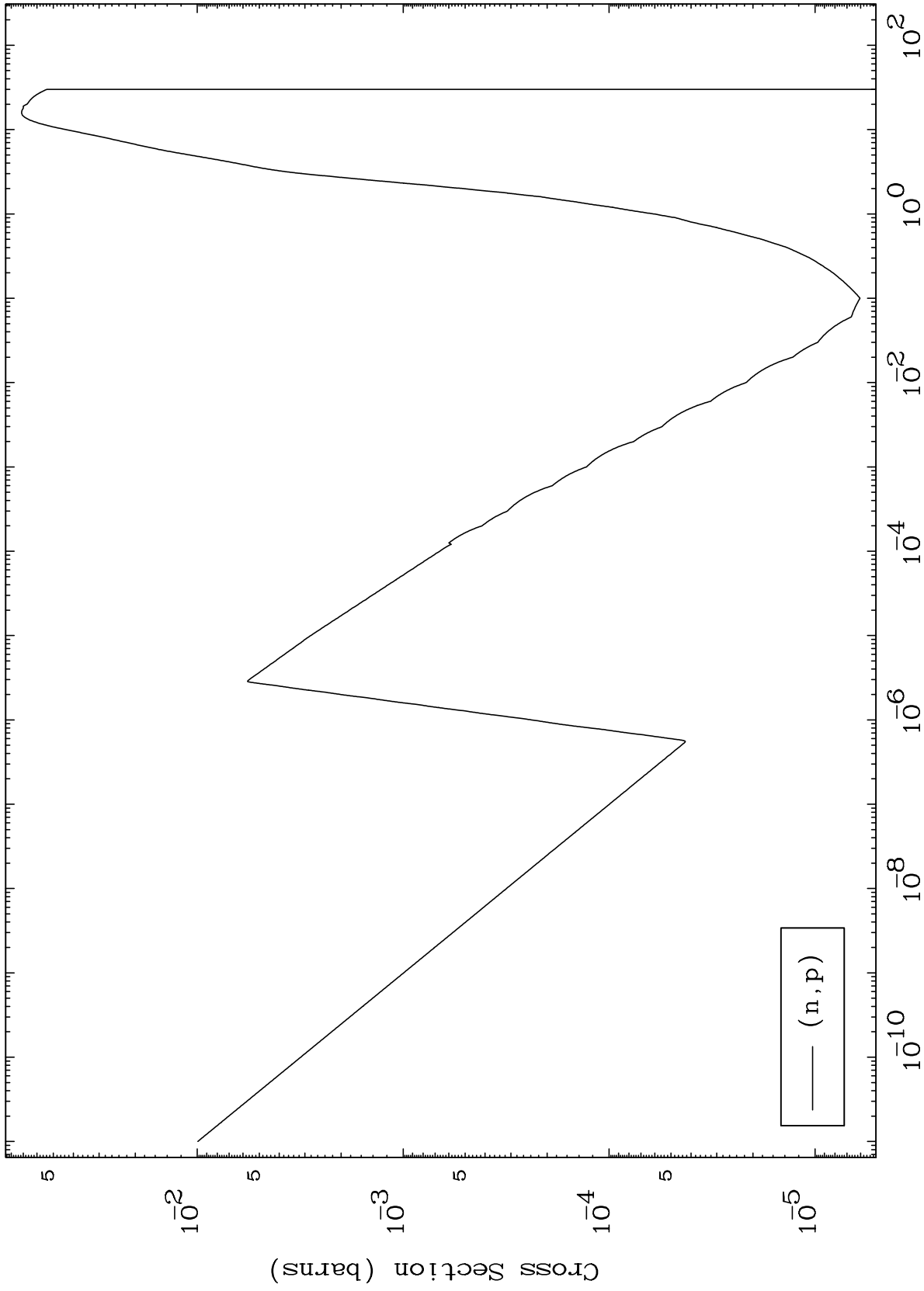
Incident Energy (MeV)

70-Yb-160

MAT 7001

(n,p) Levels
293 Kelvin Cross Sections

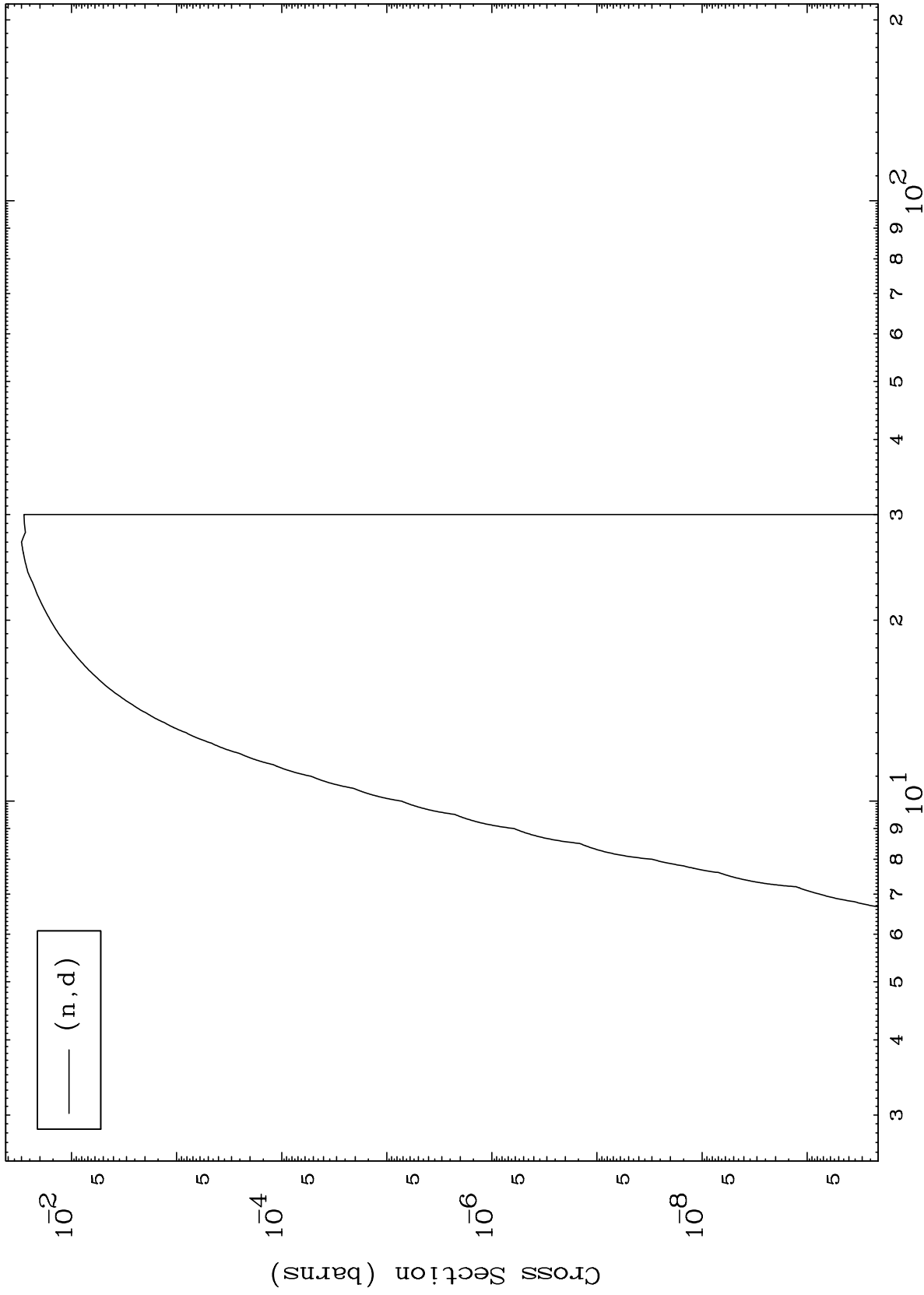
70-Yb-160



MAT 7001

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-160



10

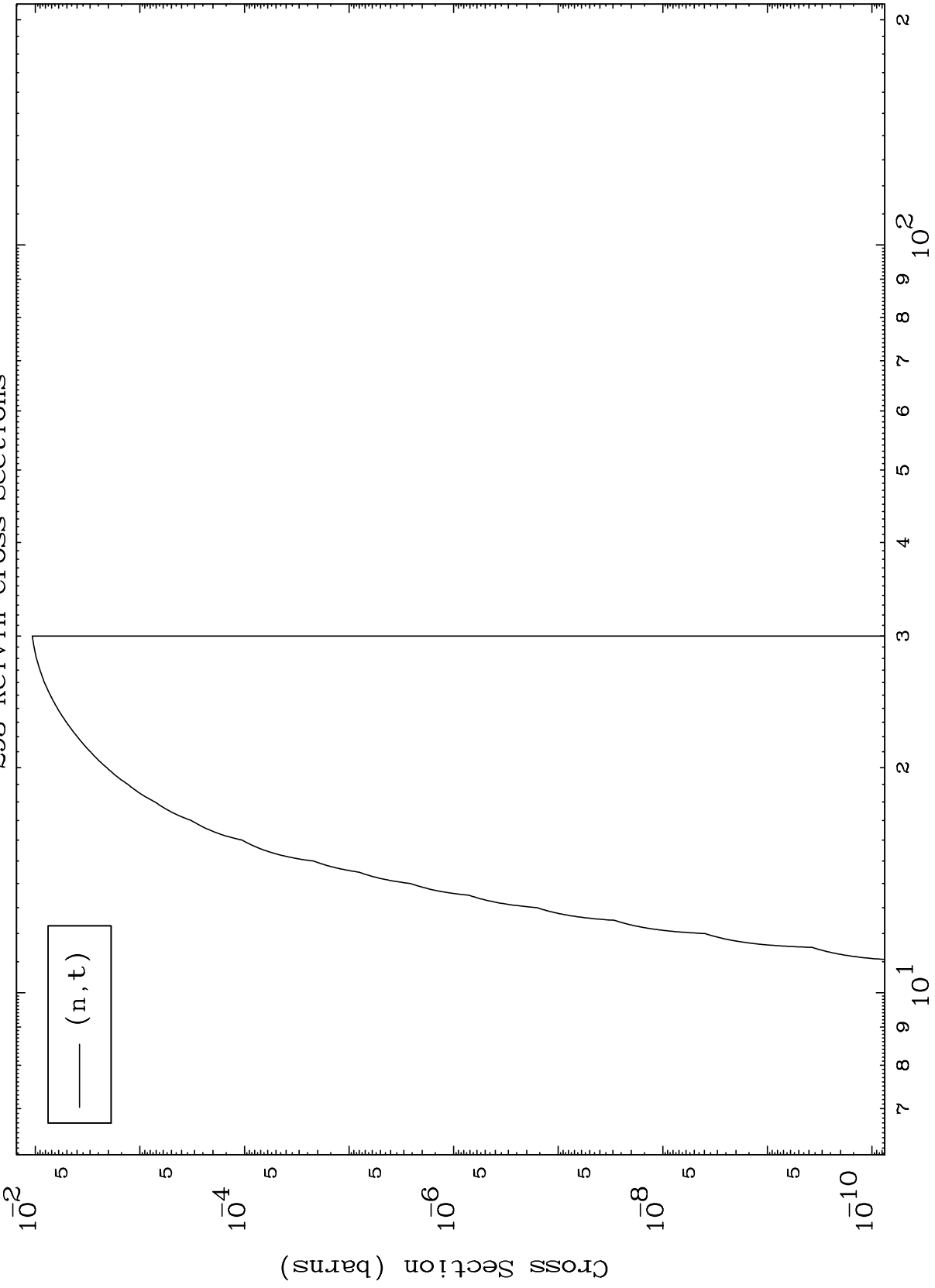
Incident Energy (MeV)

70-Yb-160

MAT 7001

(n,t) Levels
293 Kelvin Cross Sections

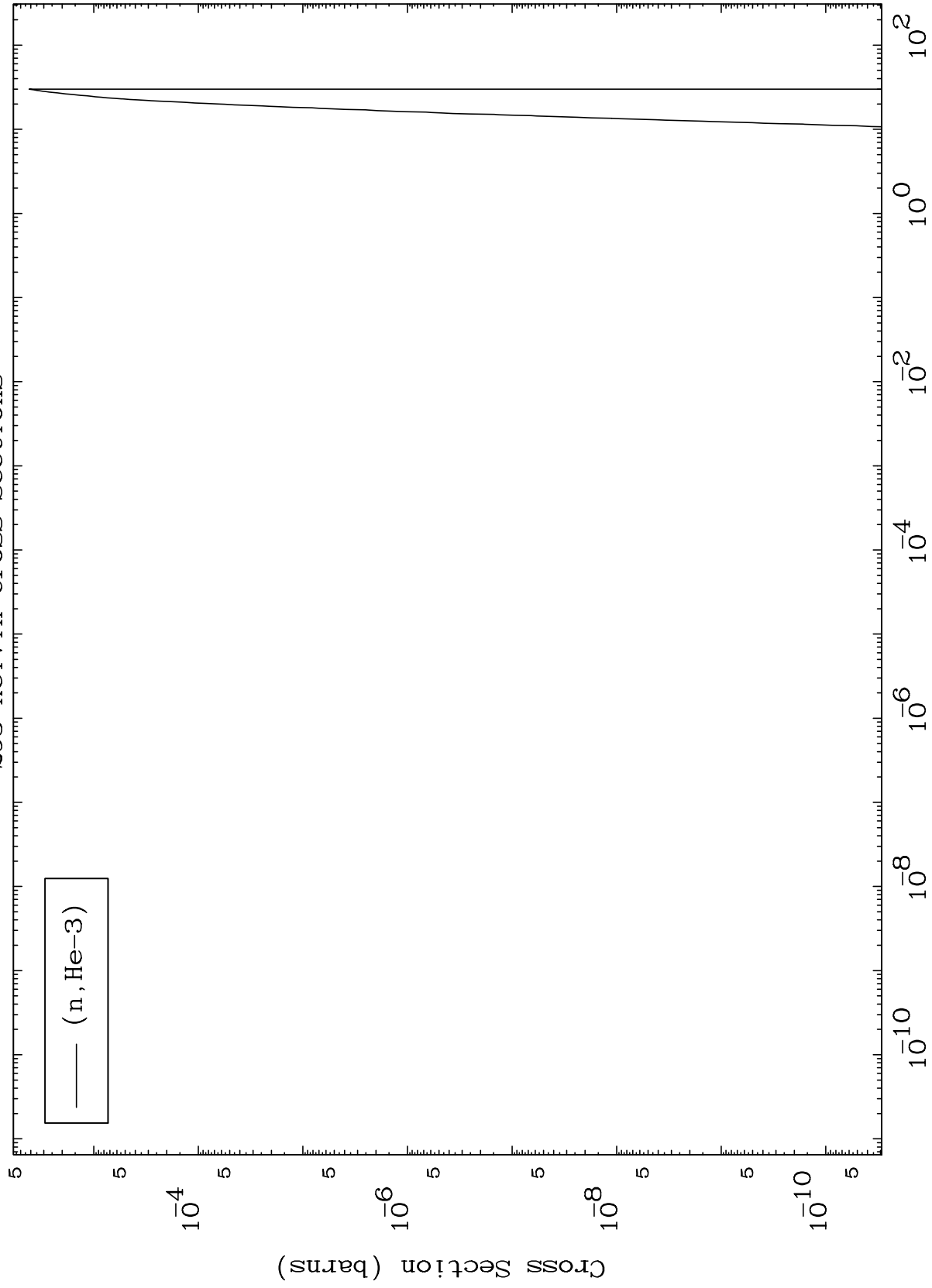
70-Yb-160



MAT 7001

(n,He3) Levels
293 Kelvin Cross Sections

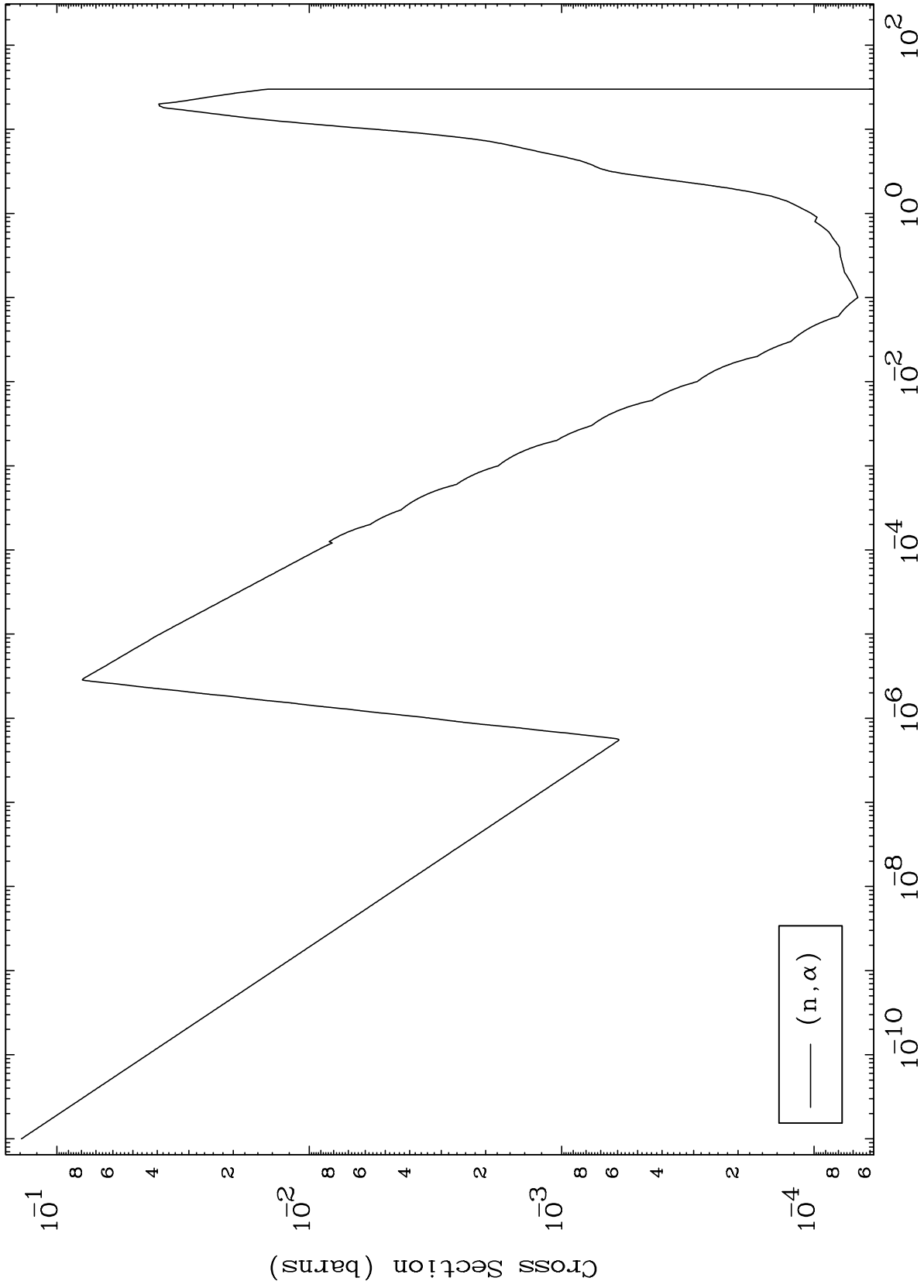
70-Yb-160

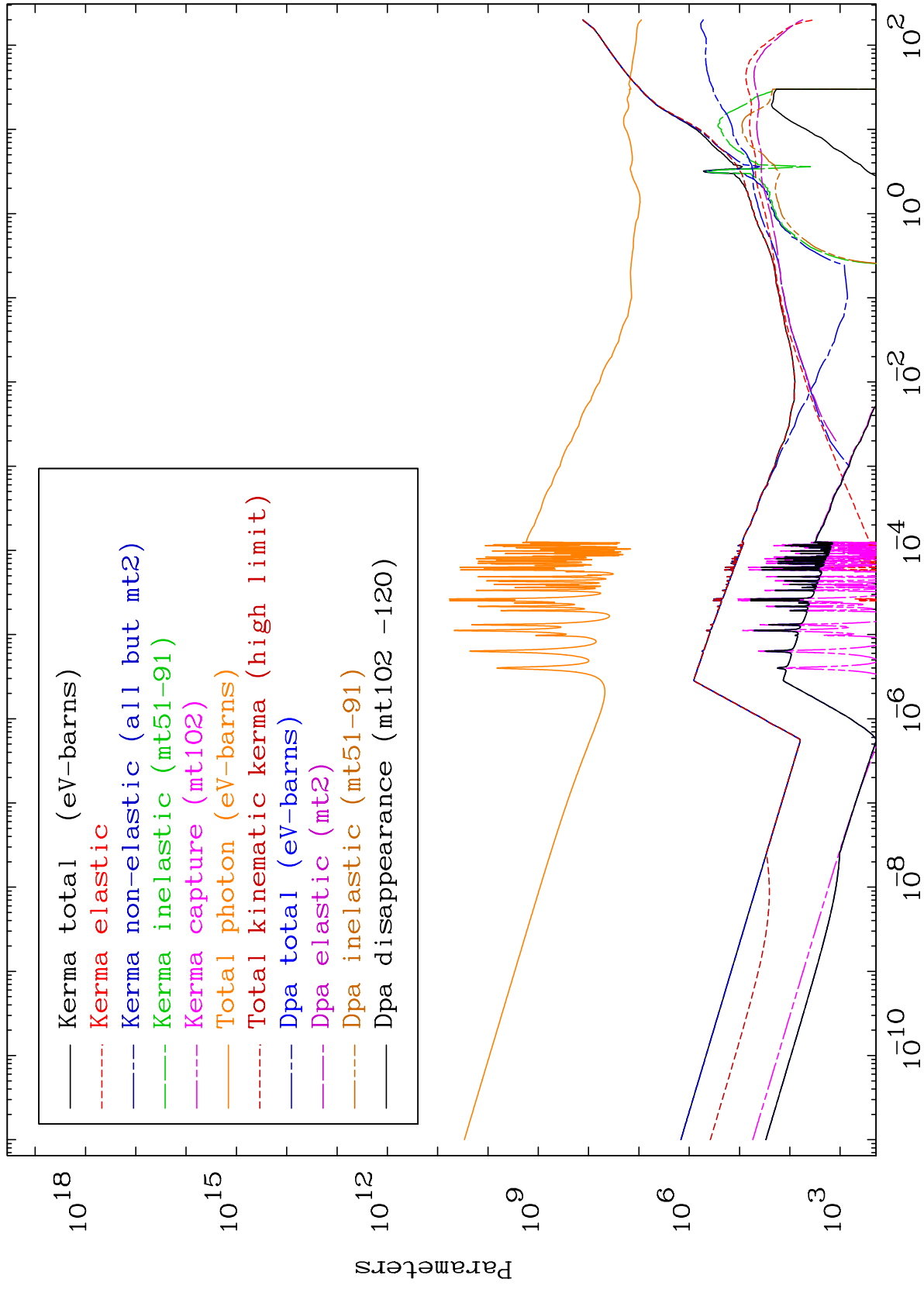


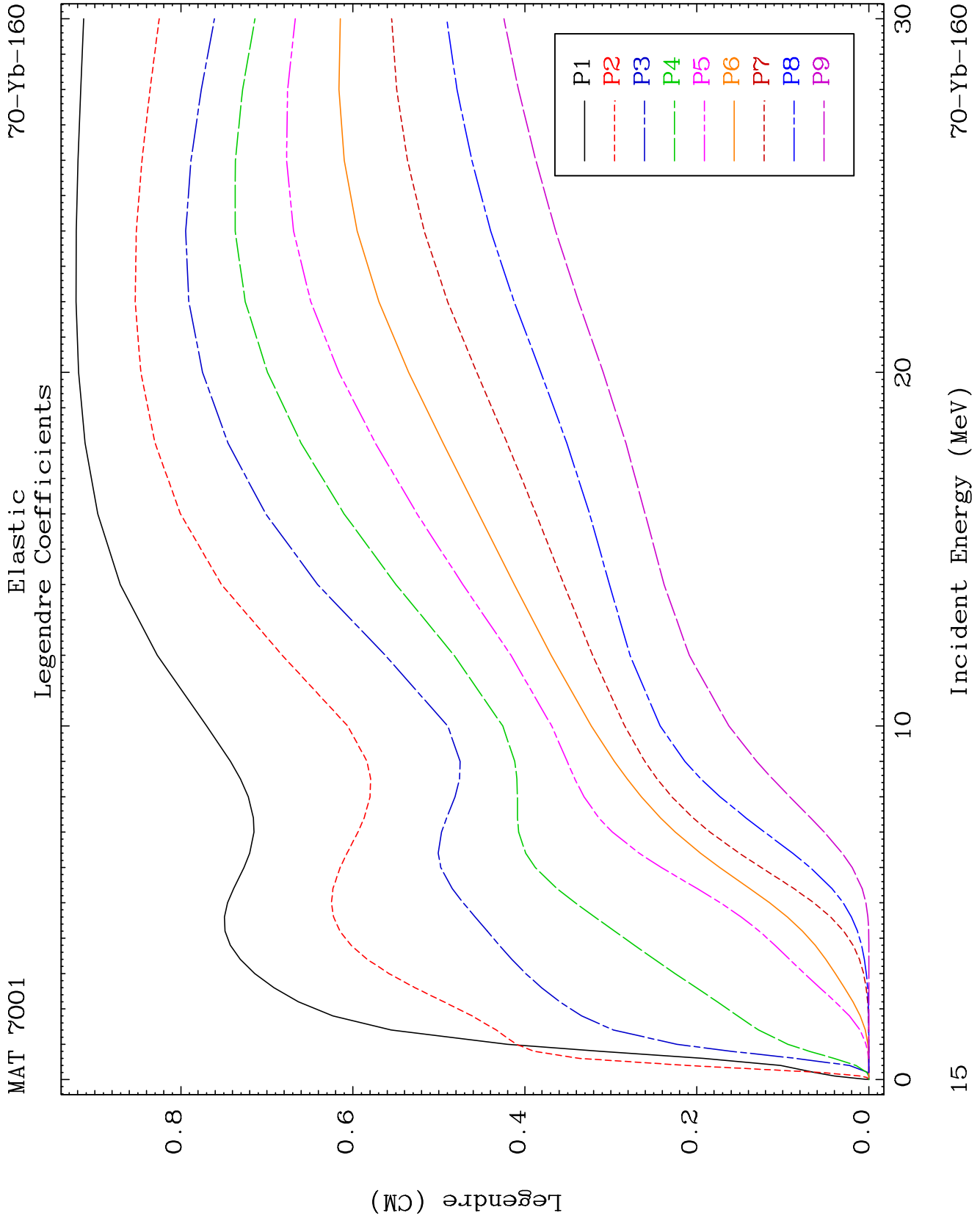
MAT 7001

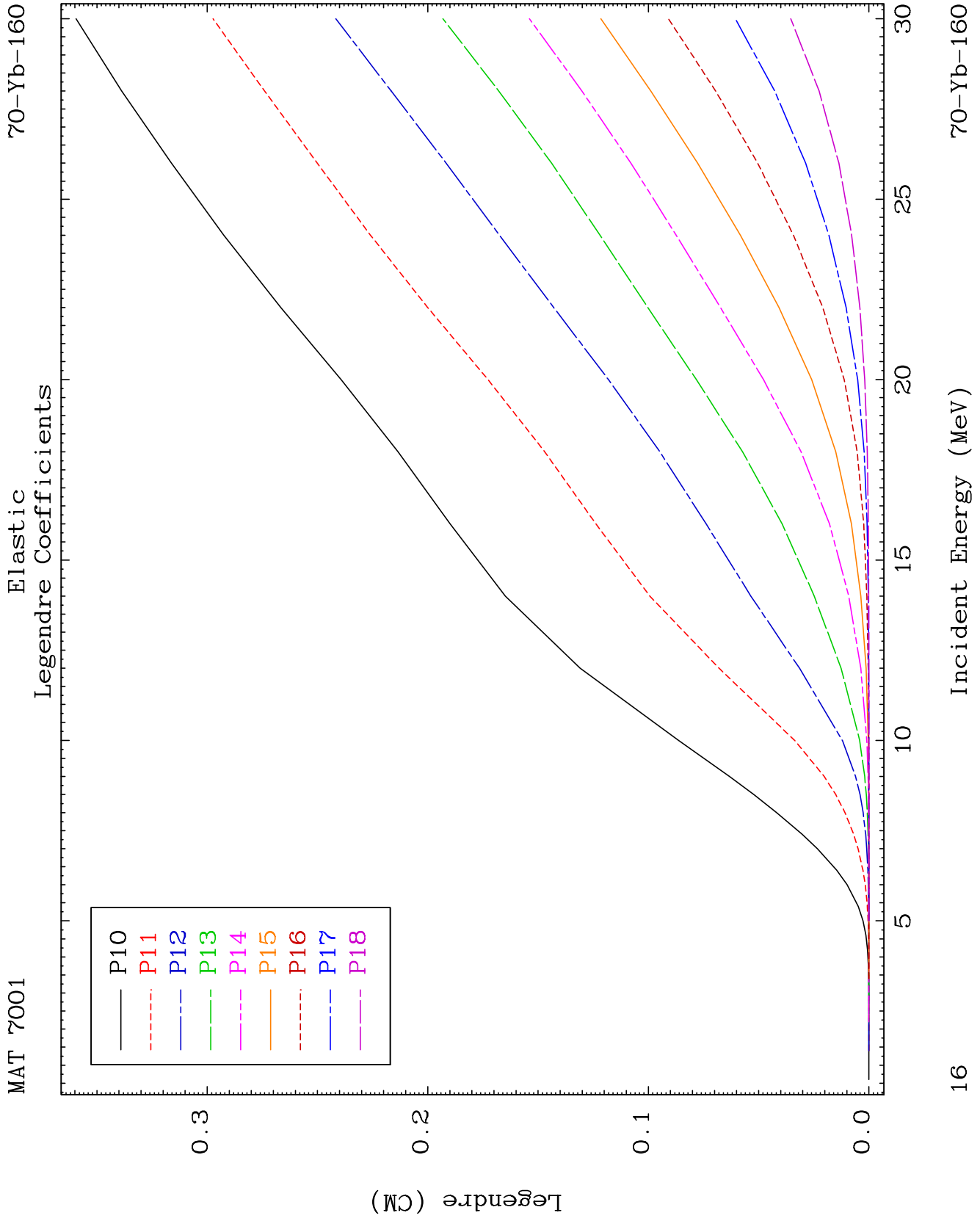
(n, α) Levels
293 Kelvin Cross Sections

70-Yb-160





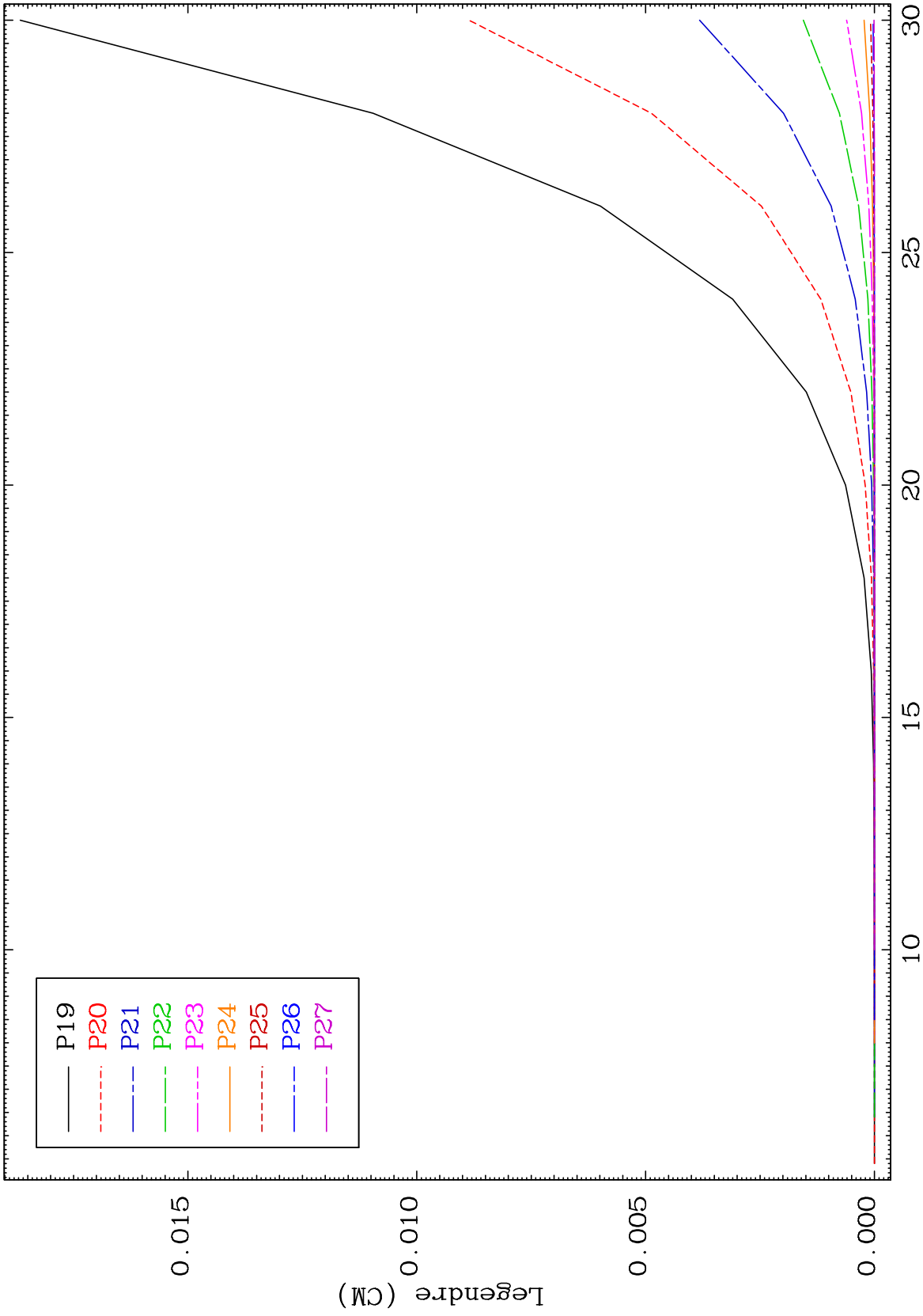




MAT 7001

Elastic Legendre Coefficients

70-Yb-160



17

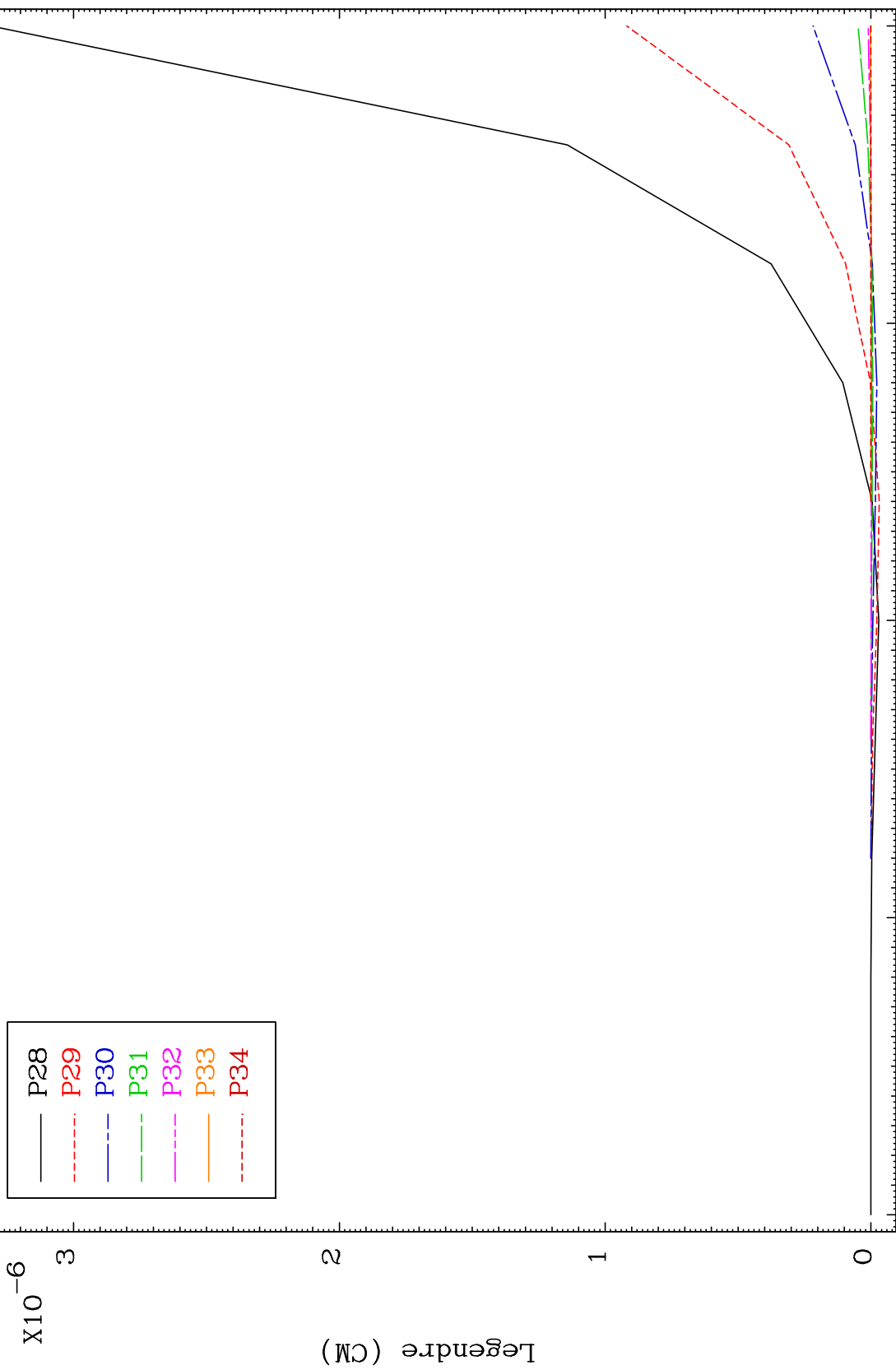
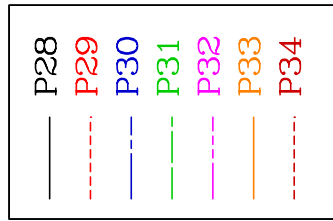
Incident Energy (MeV)

70-Yb-160

MAT 7001

Elastic Legendre Coefficients

70-Yb-160

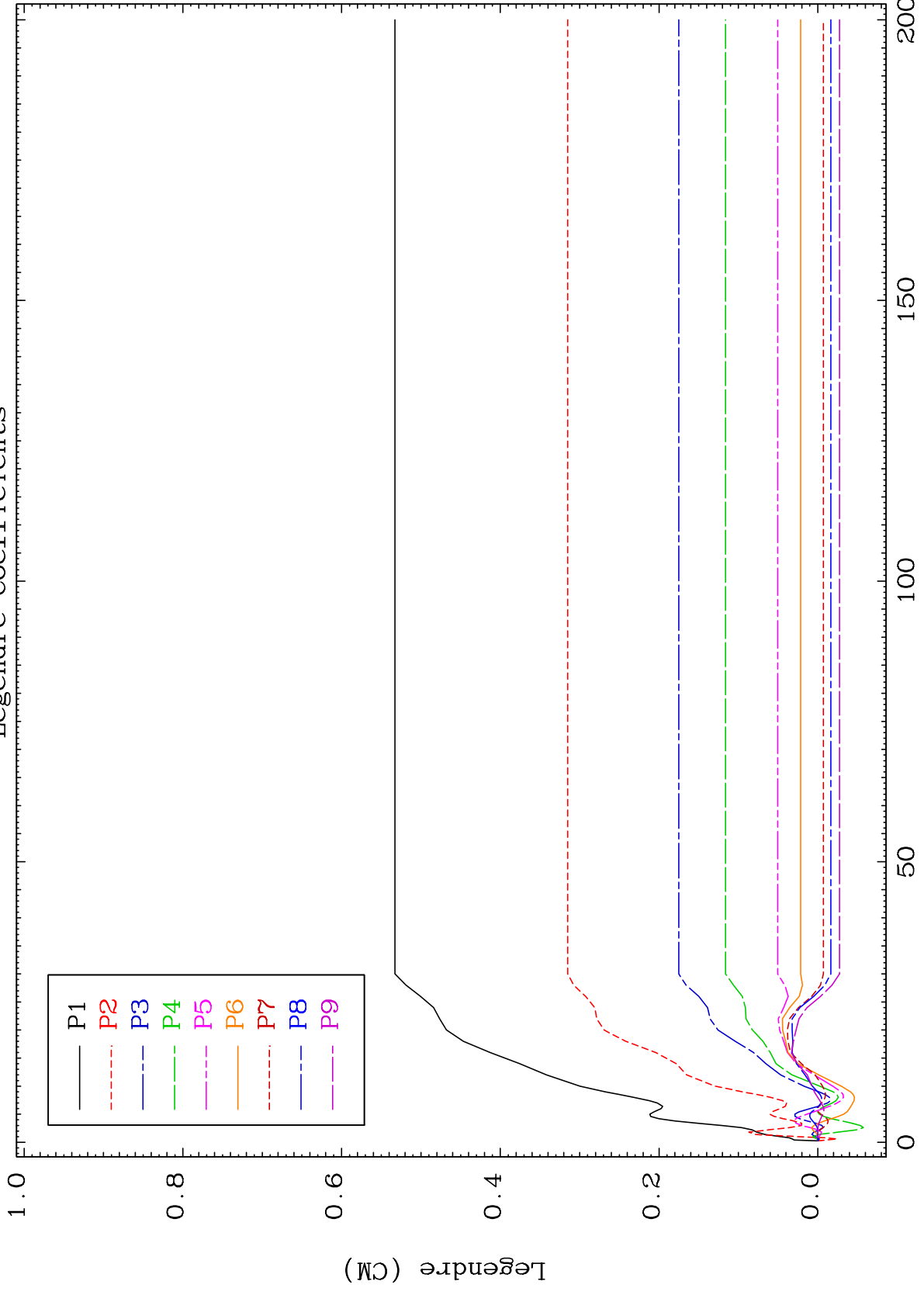


18

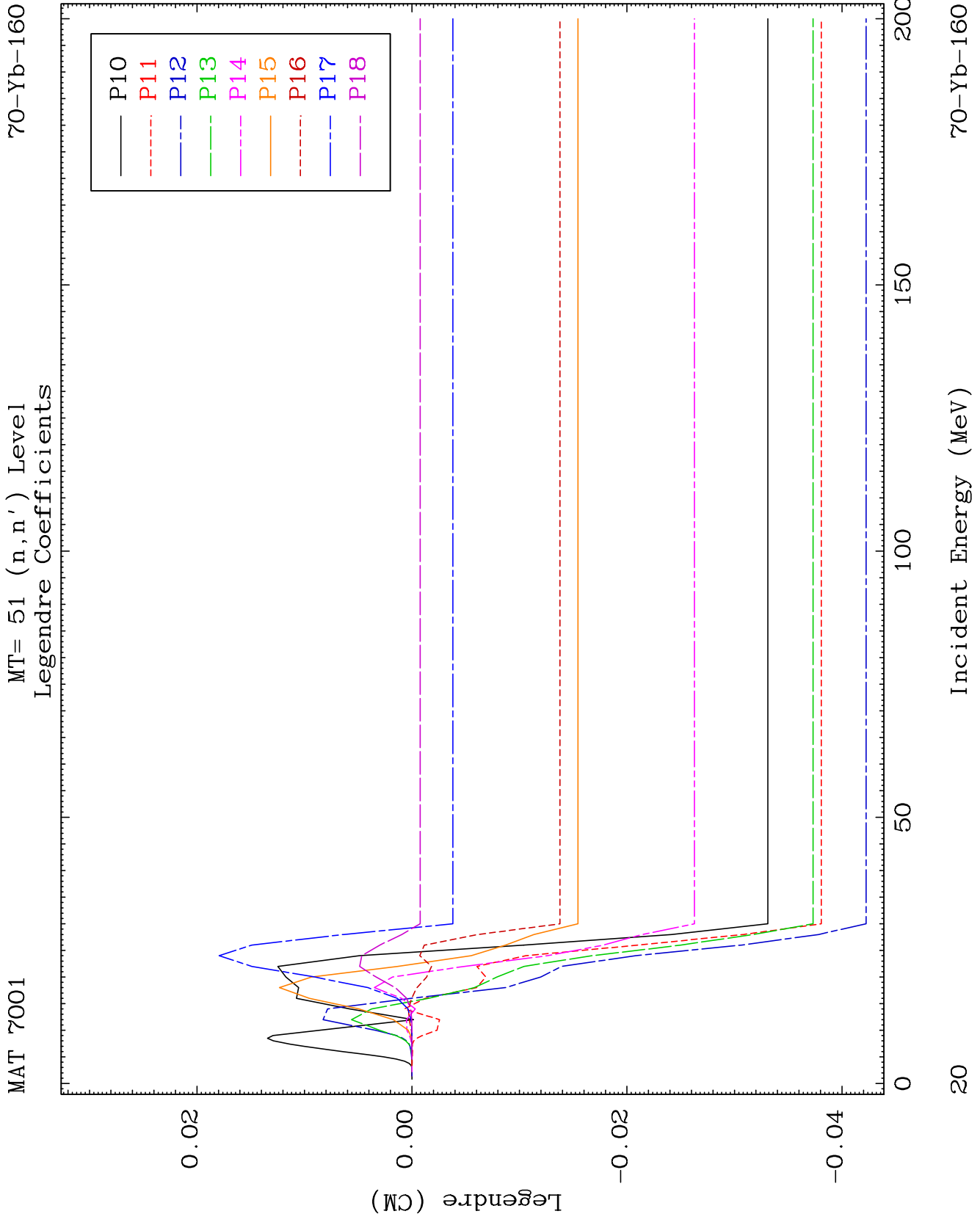
Incident Energy (MeV)

70-Yb-160

MAT 7001 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-160



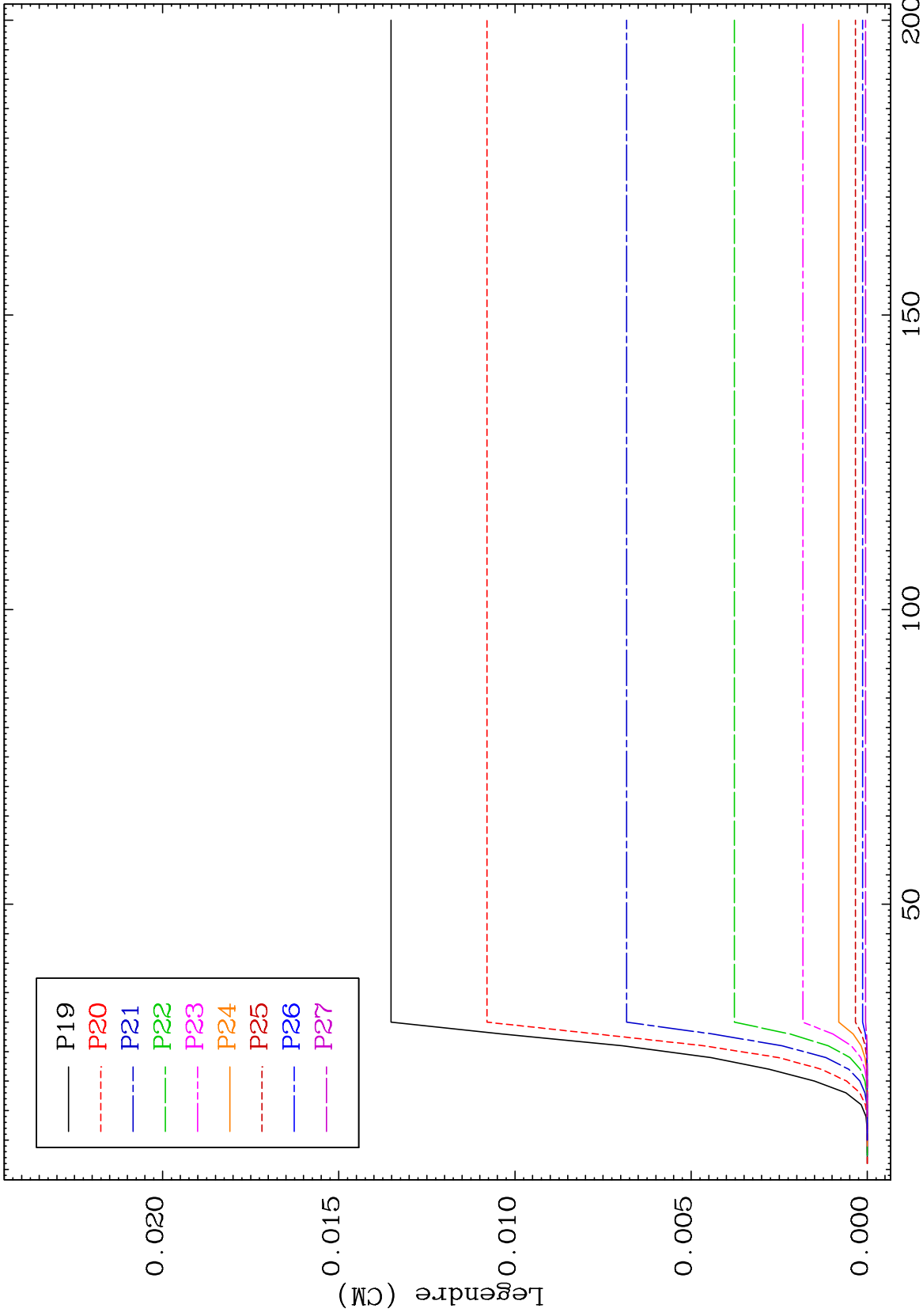
19 Incident Energy (MeV) 70-Yb-160



MAT 7001

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

70-Yb-160

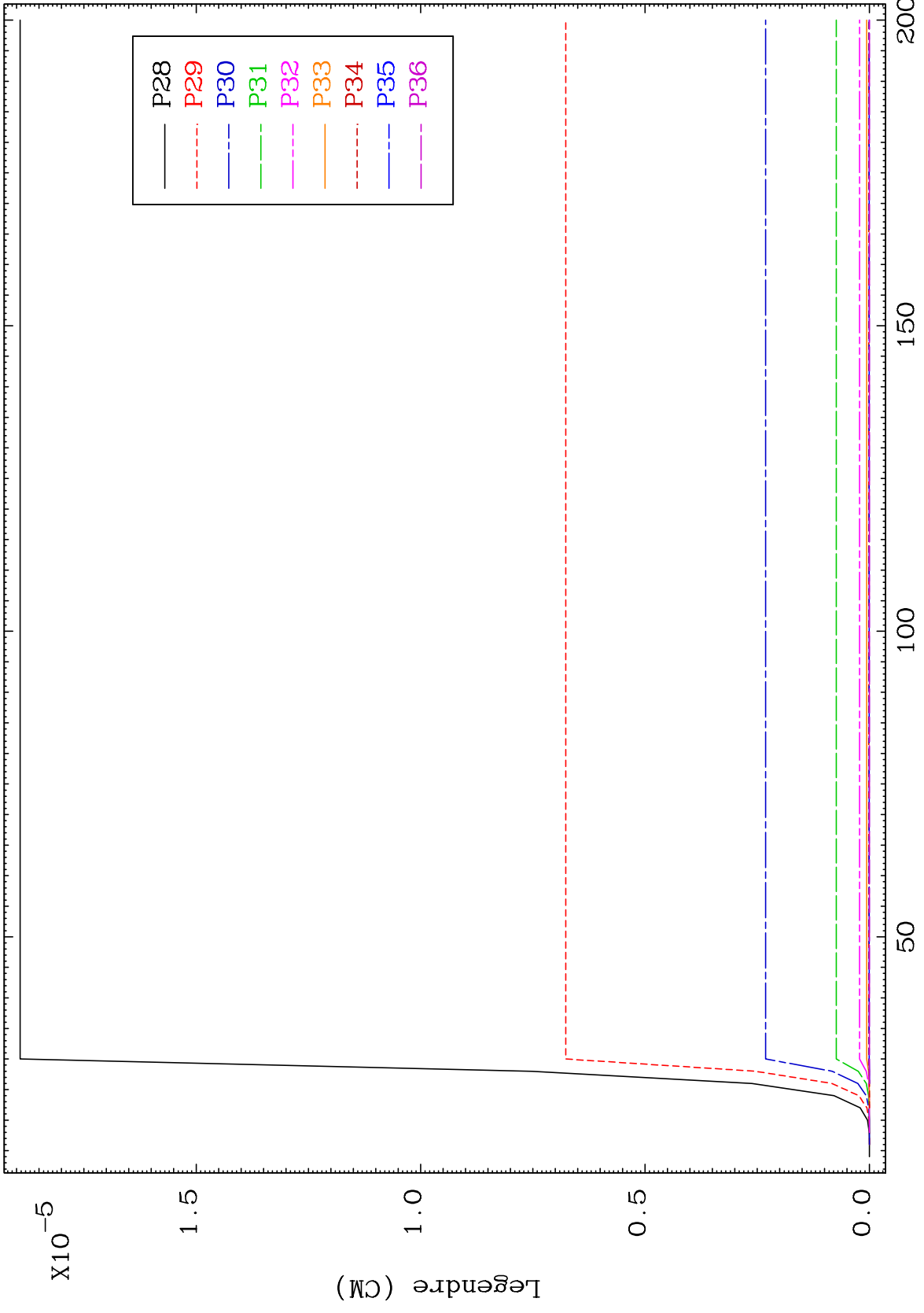


21

Incident Energy (MeV)

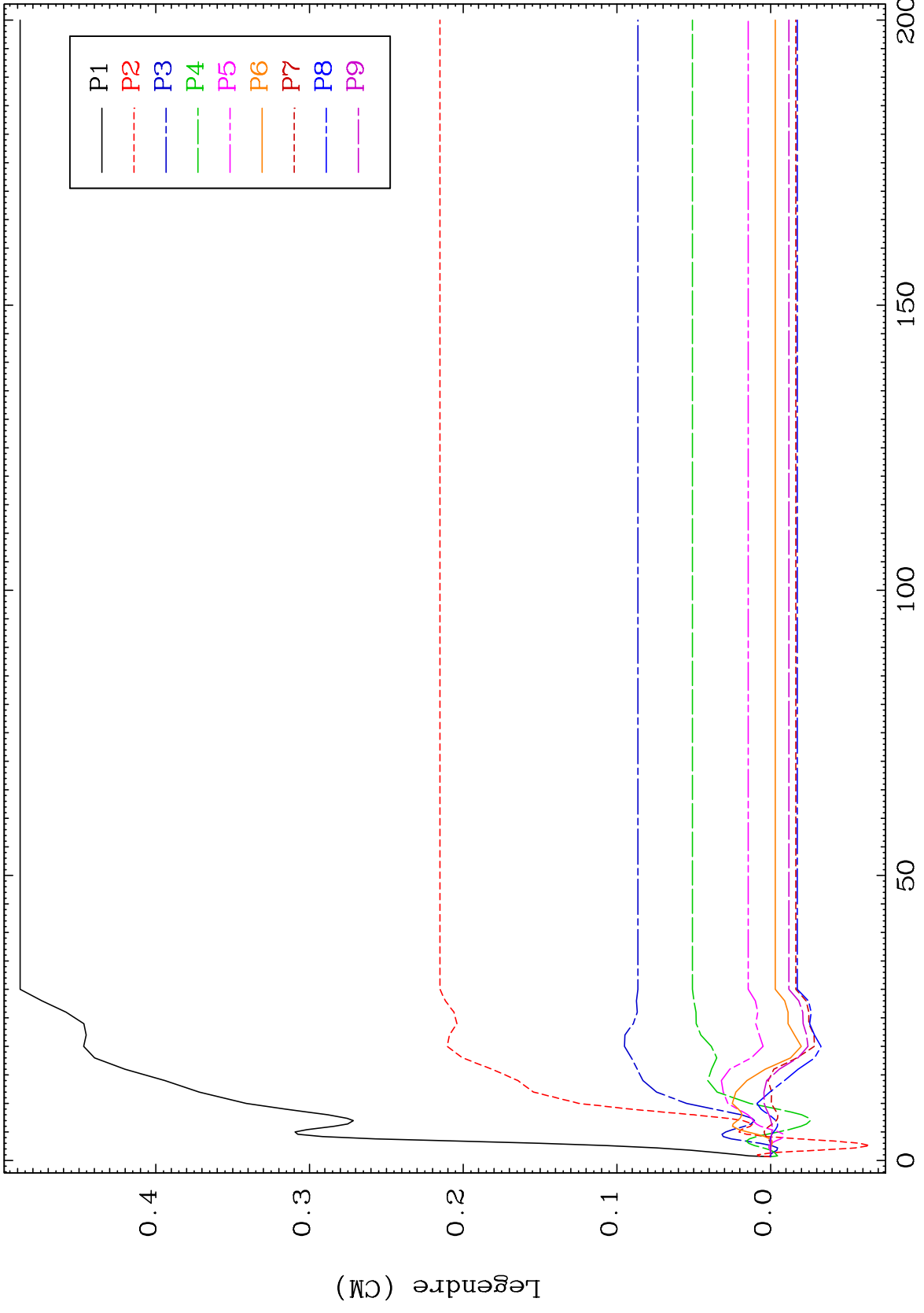
70-Yb-160

MAT 7001 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-160

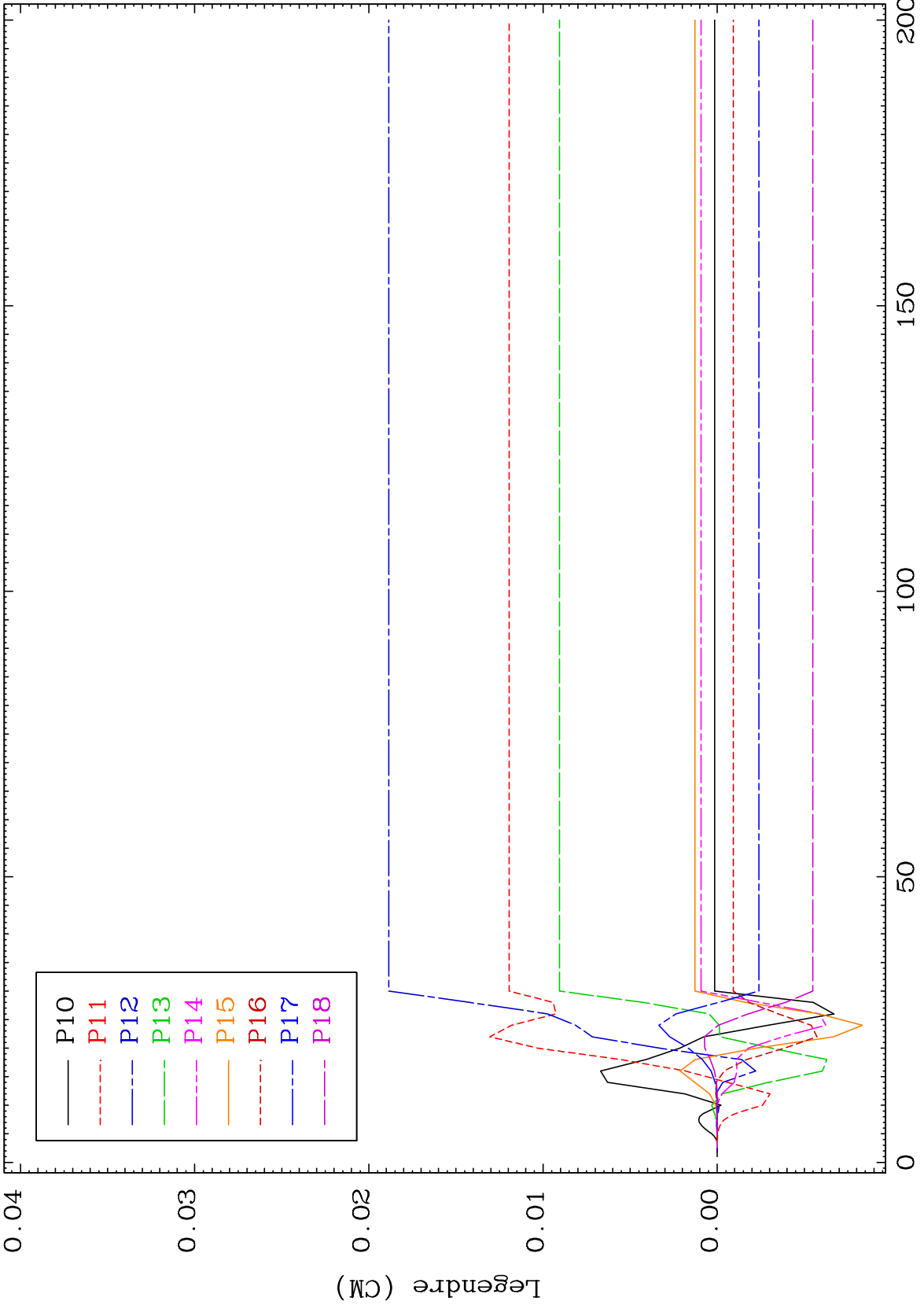


22 Incident Energy (MeV) 70-Yb-160

MAT 7001 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-160



MAT 7001 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-160



70-Yb-160

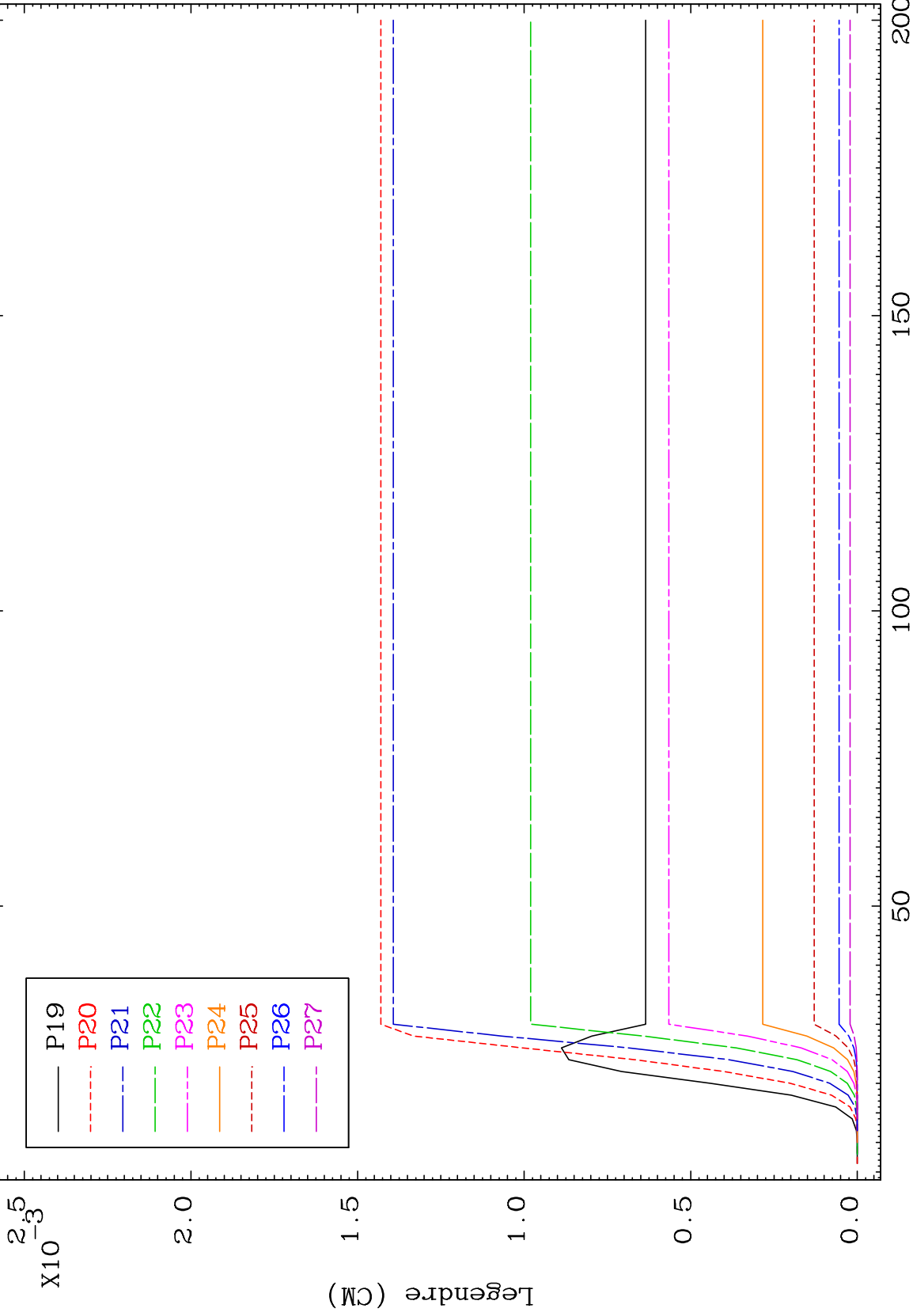
Incident Energy (MeV)

24

MAT 7001

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

70-Yb-160



25

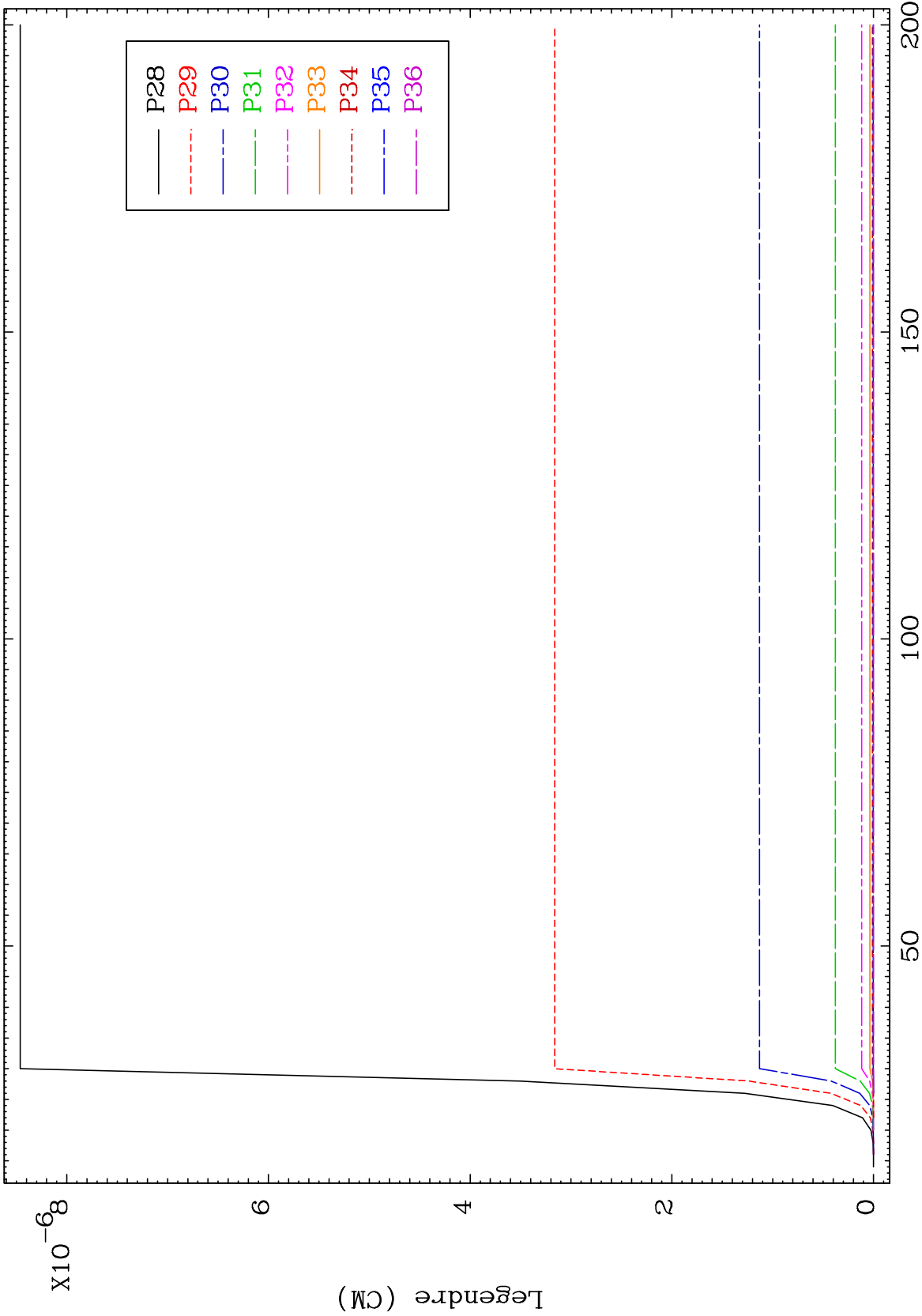
Incident Energy (MeV)

70-Yb-160

MAT 7001

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

70-Yb-160



26

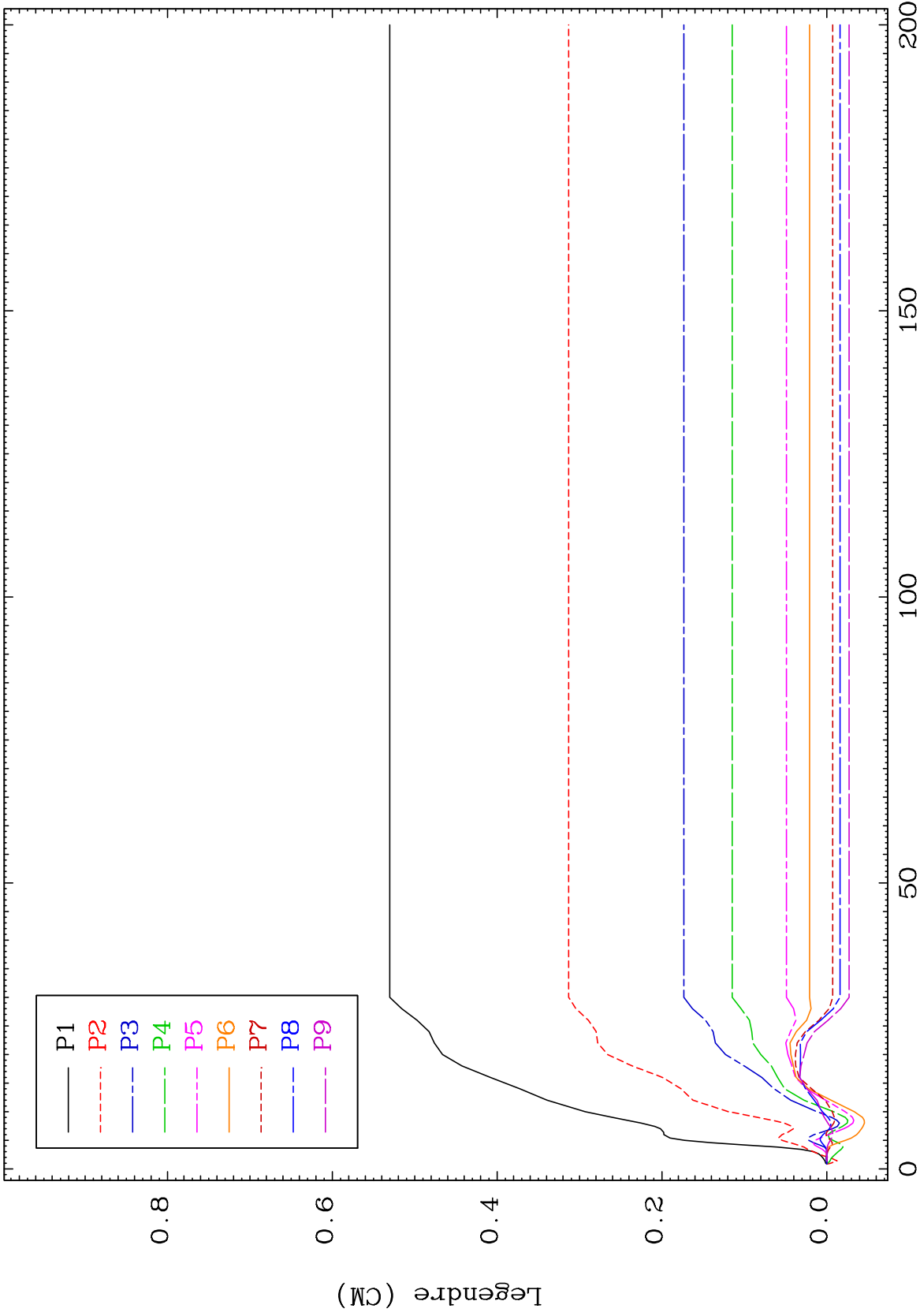
Incident Energy (MeV)

70-Yb-160

MAT 7001

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

70-Yb-160



27

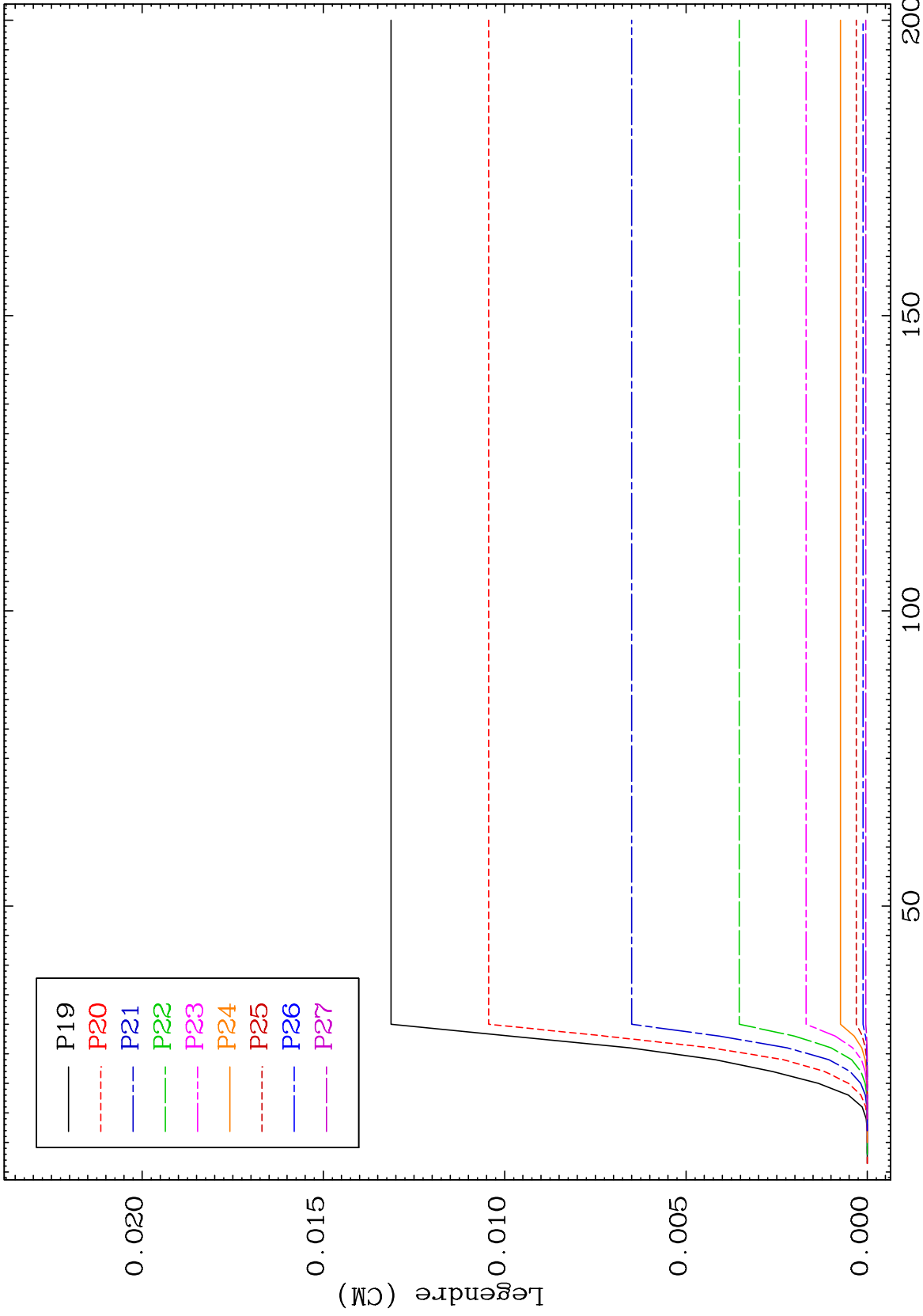
Incident Energy (MeV)

70-Yb-160

MAT 7001

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

70-Yb-160

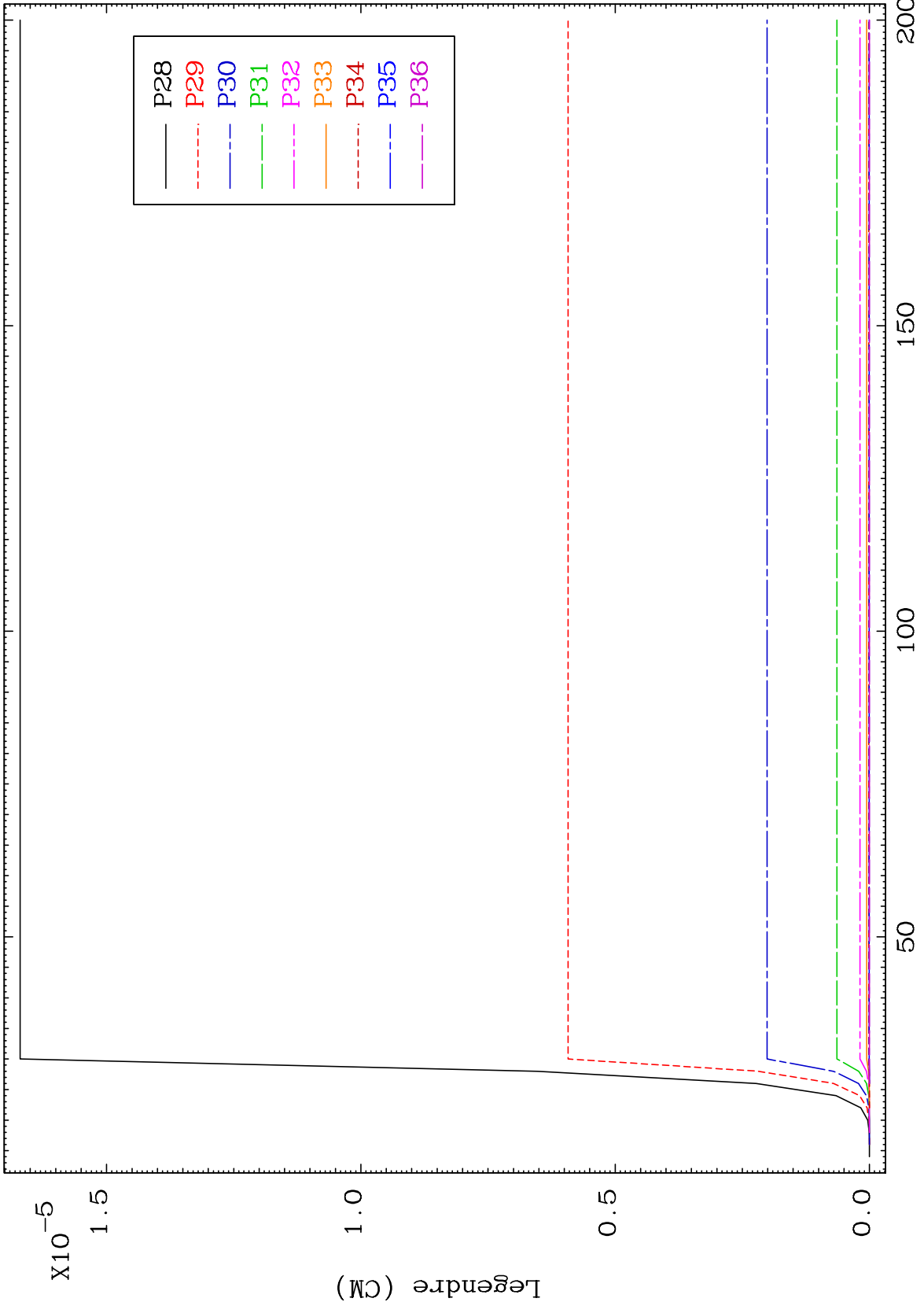


29

Incident Energy (MeV)

70-Yb-160

MAT 7001 MT= 53 (n,n') Level Legendre Coefficients 70-Yb-160

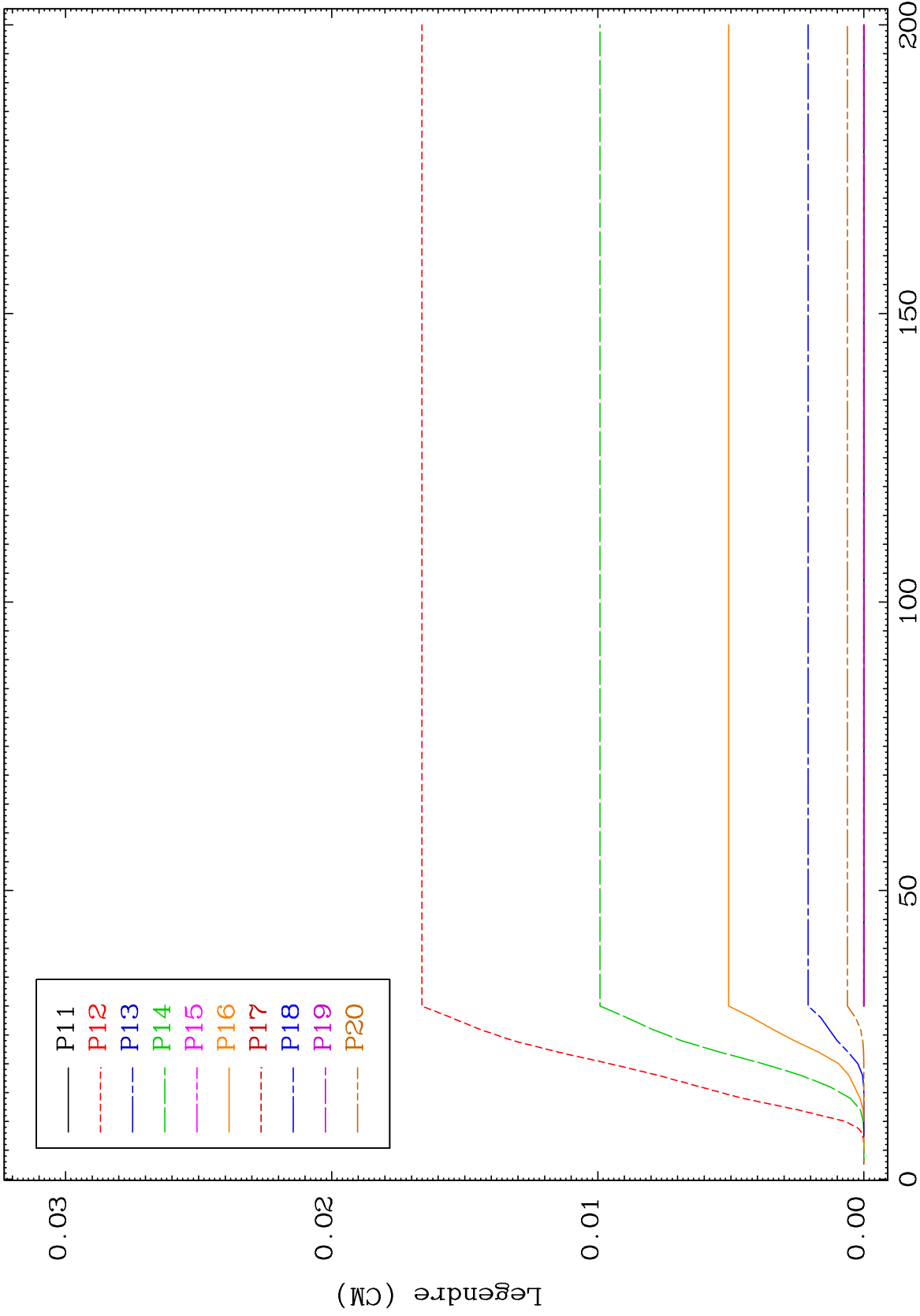


Incident Energy (MeV) 70-Yb-160

MAT 7001

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

70-Yb-160

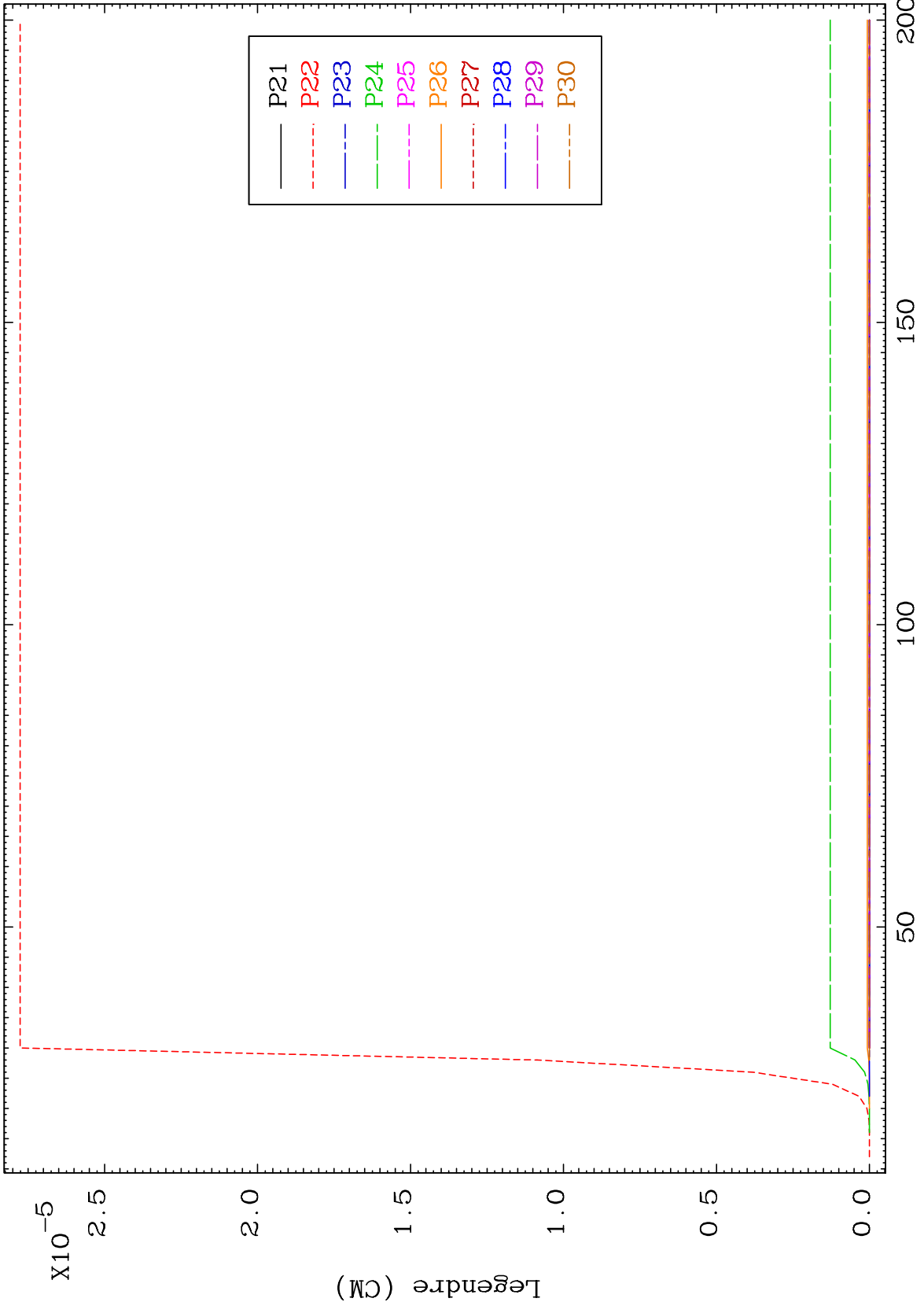


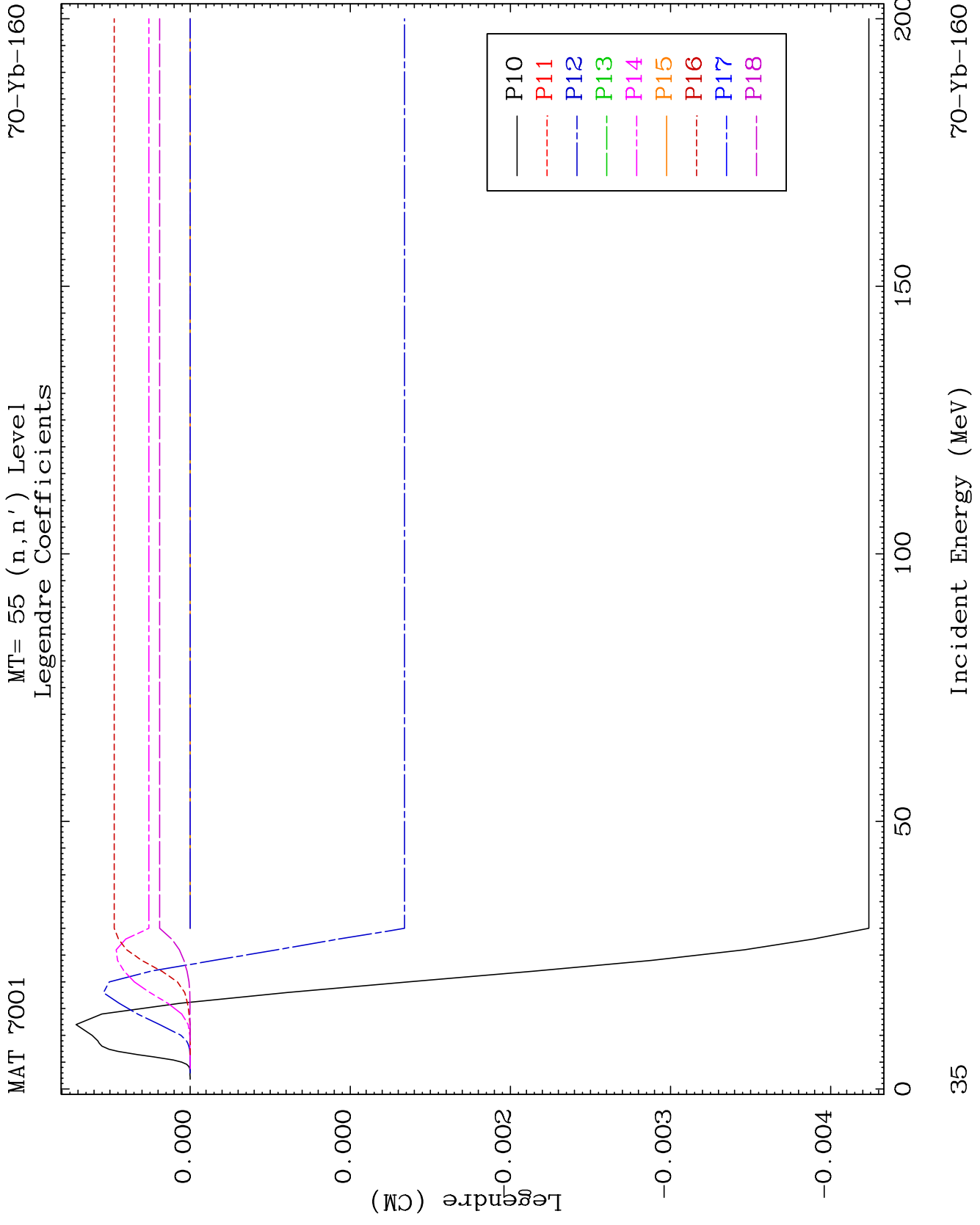
32

Incident Energy (MeV)

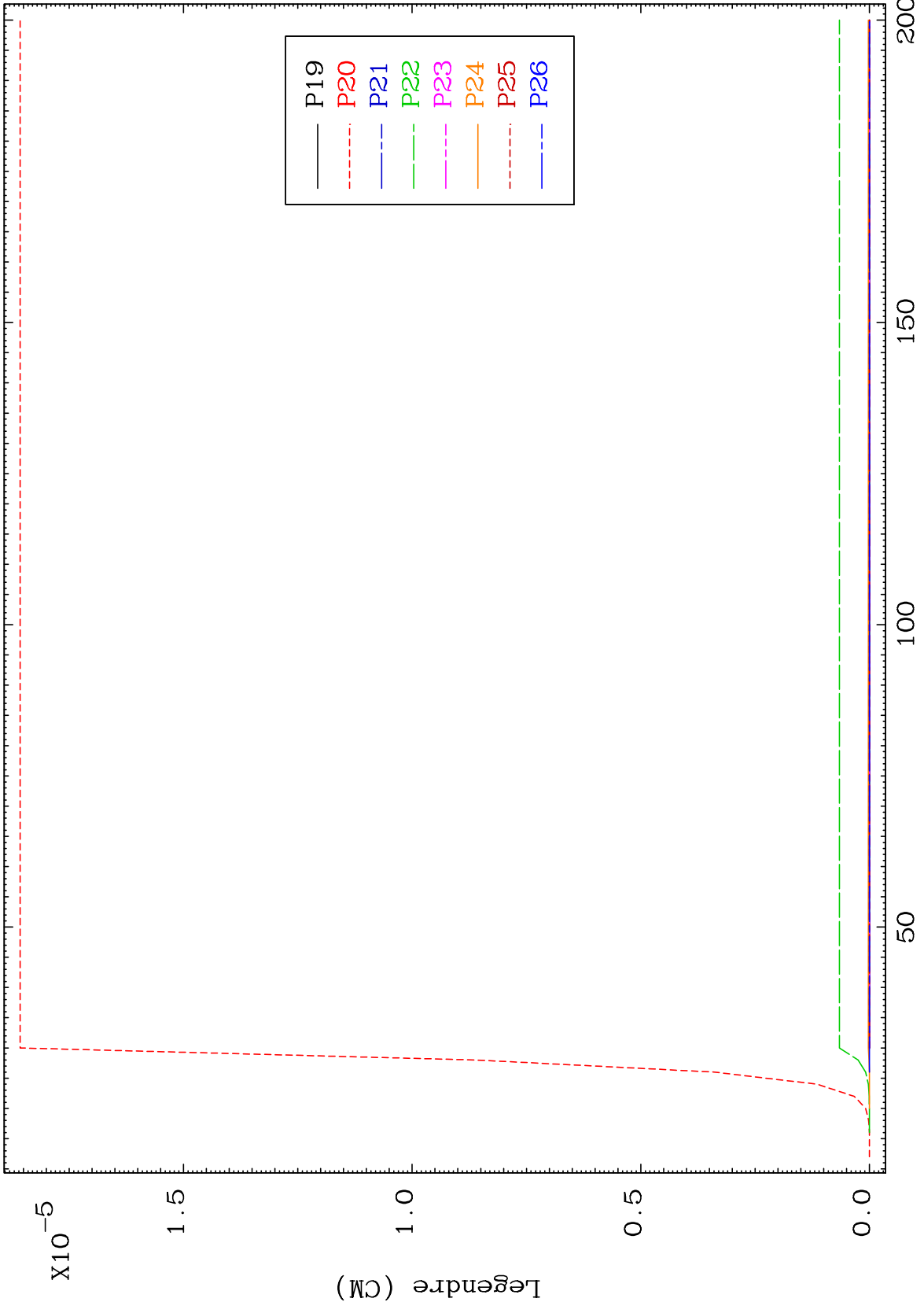
70-Yb-160

MAT 7001 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-160

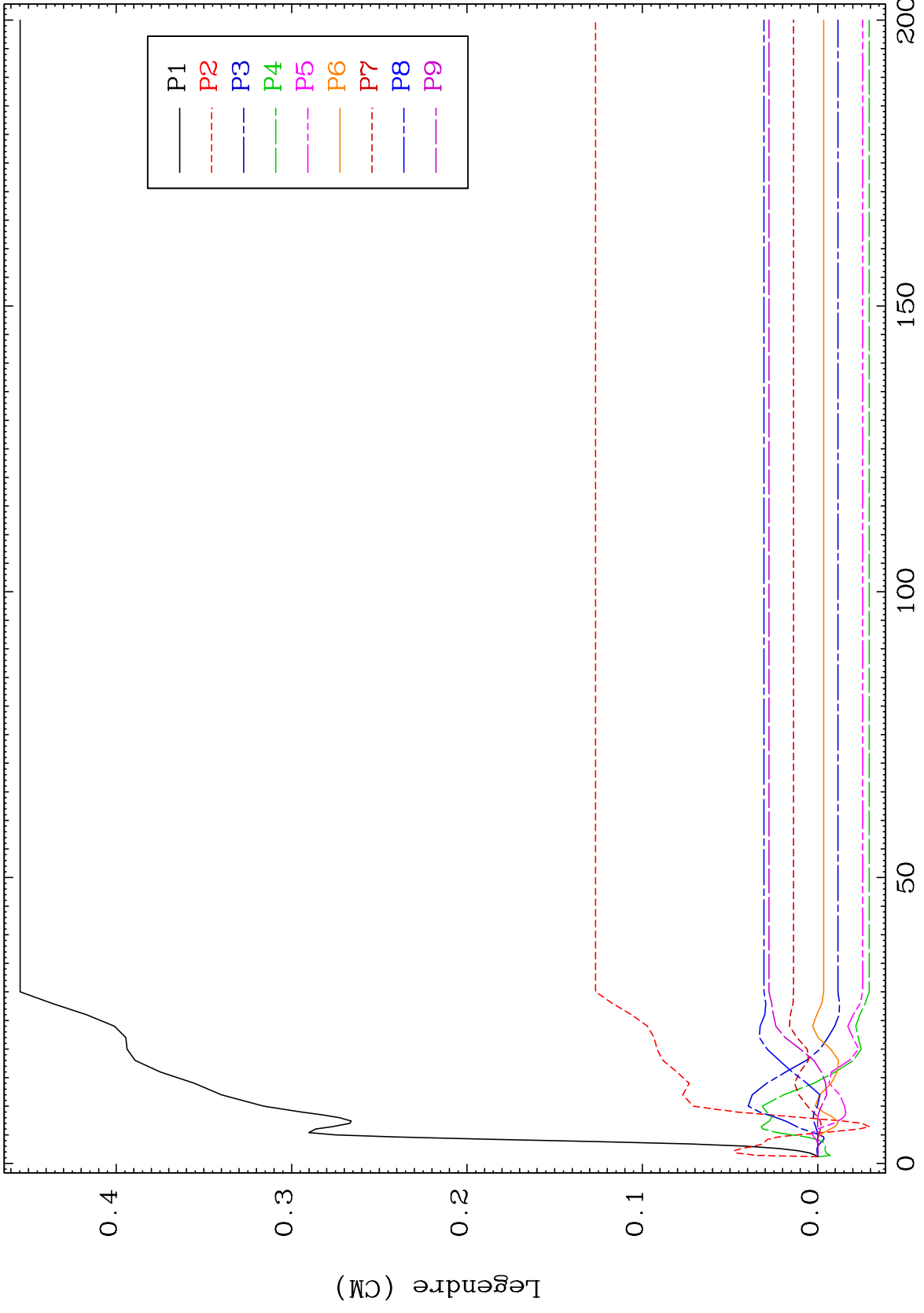




MAT 7001 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-160

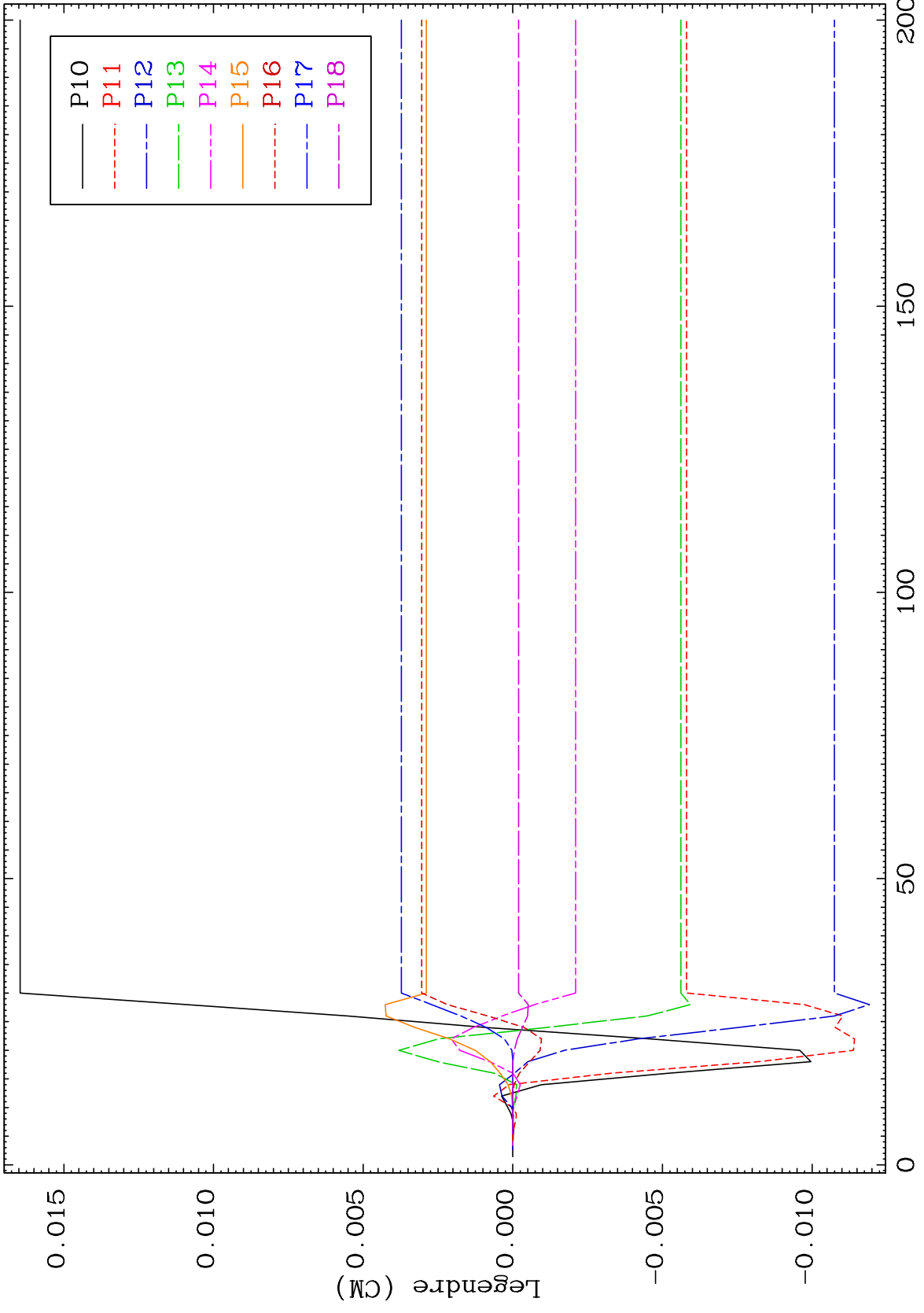


MAT 7001 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-160



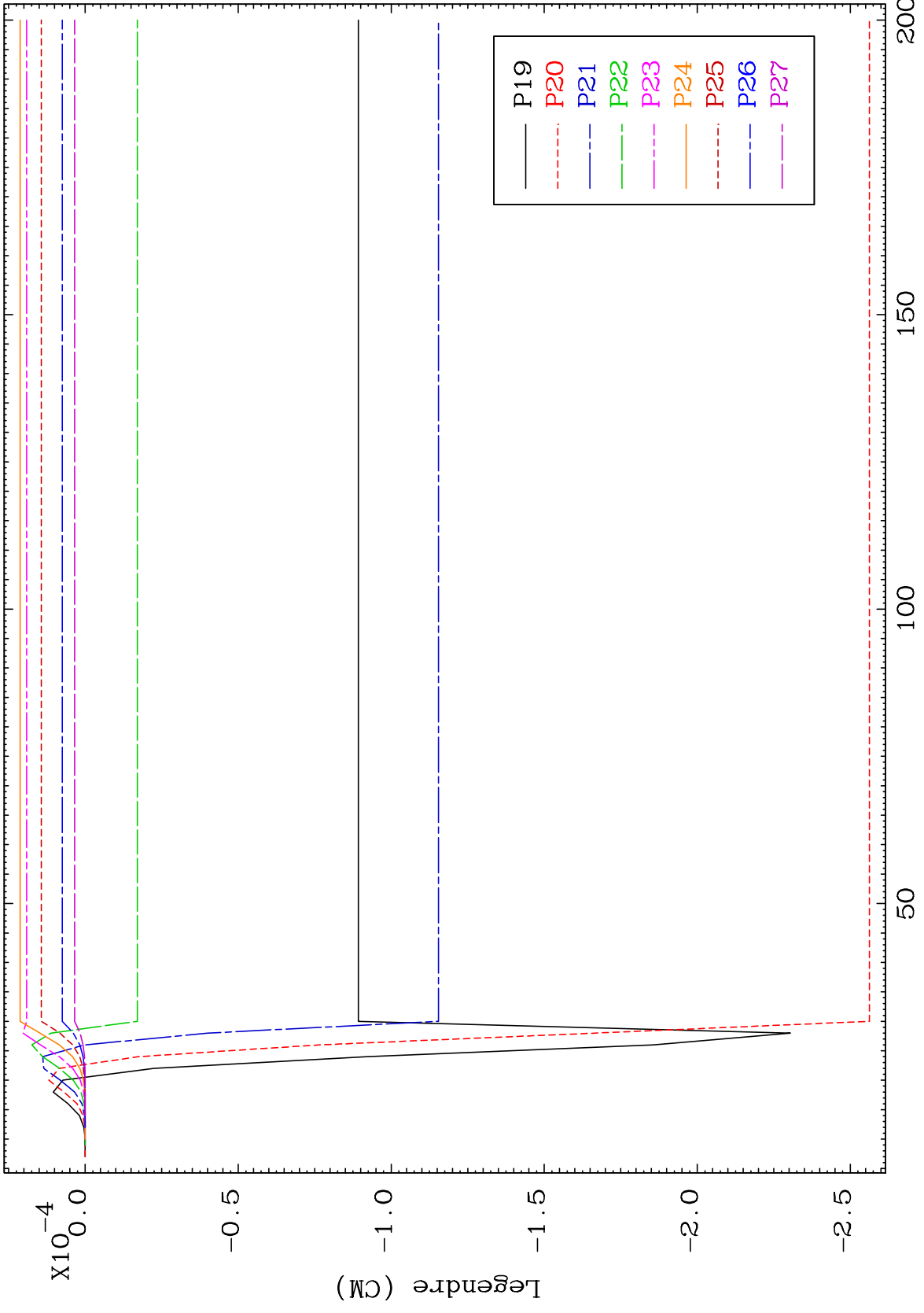
37 Incident Energy (MeV) 70-Yb-160

MAT 7001 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-160

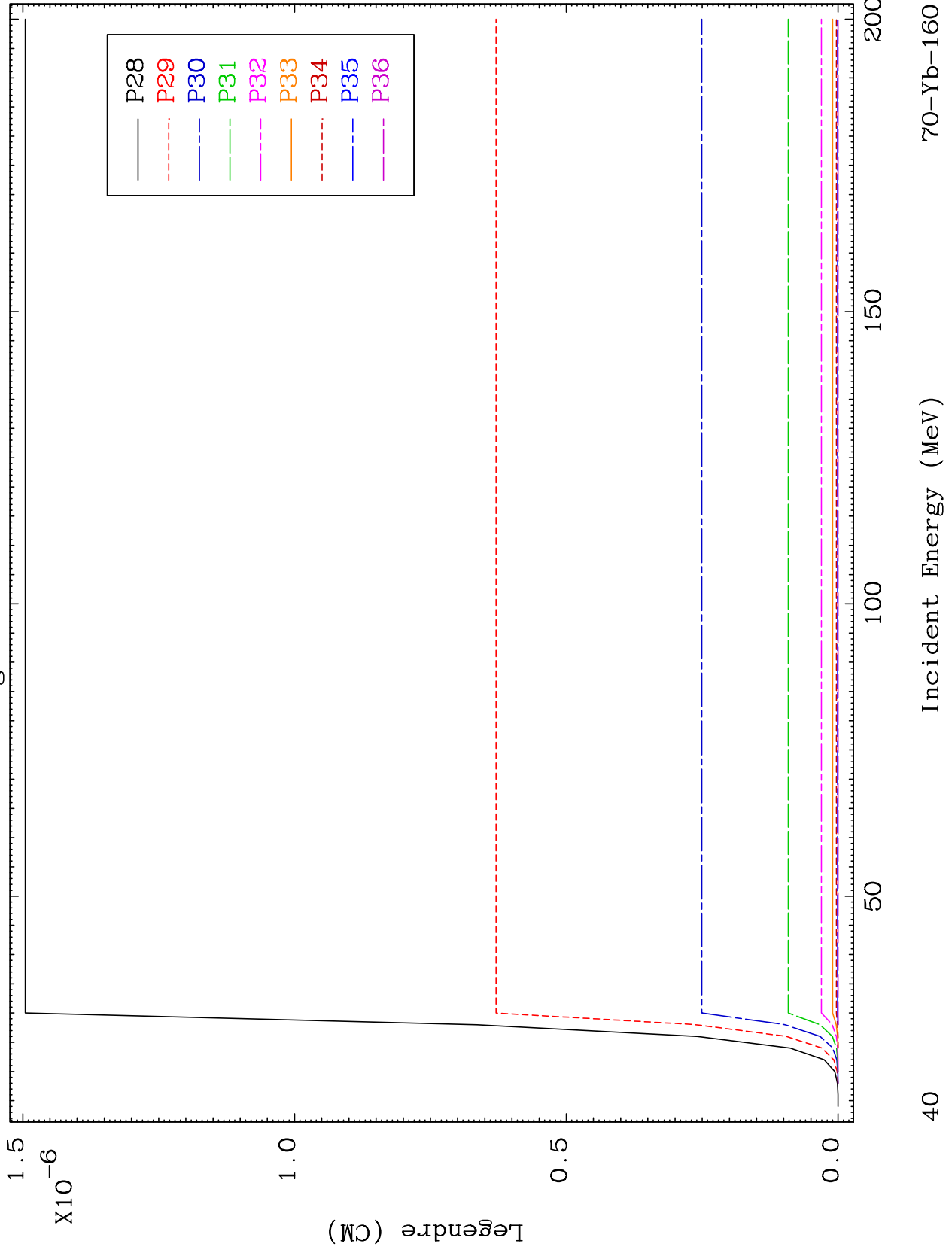


38 70-Yb-160

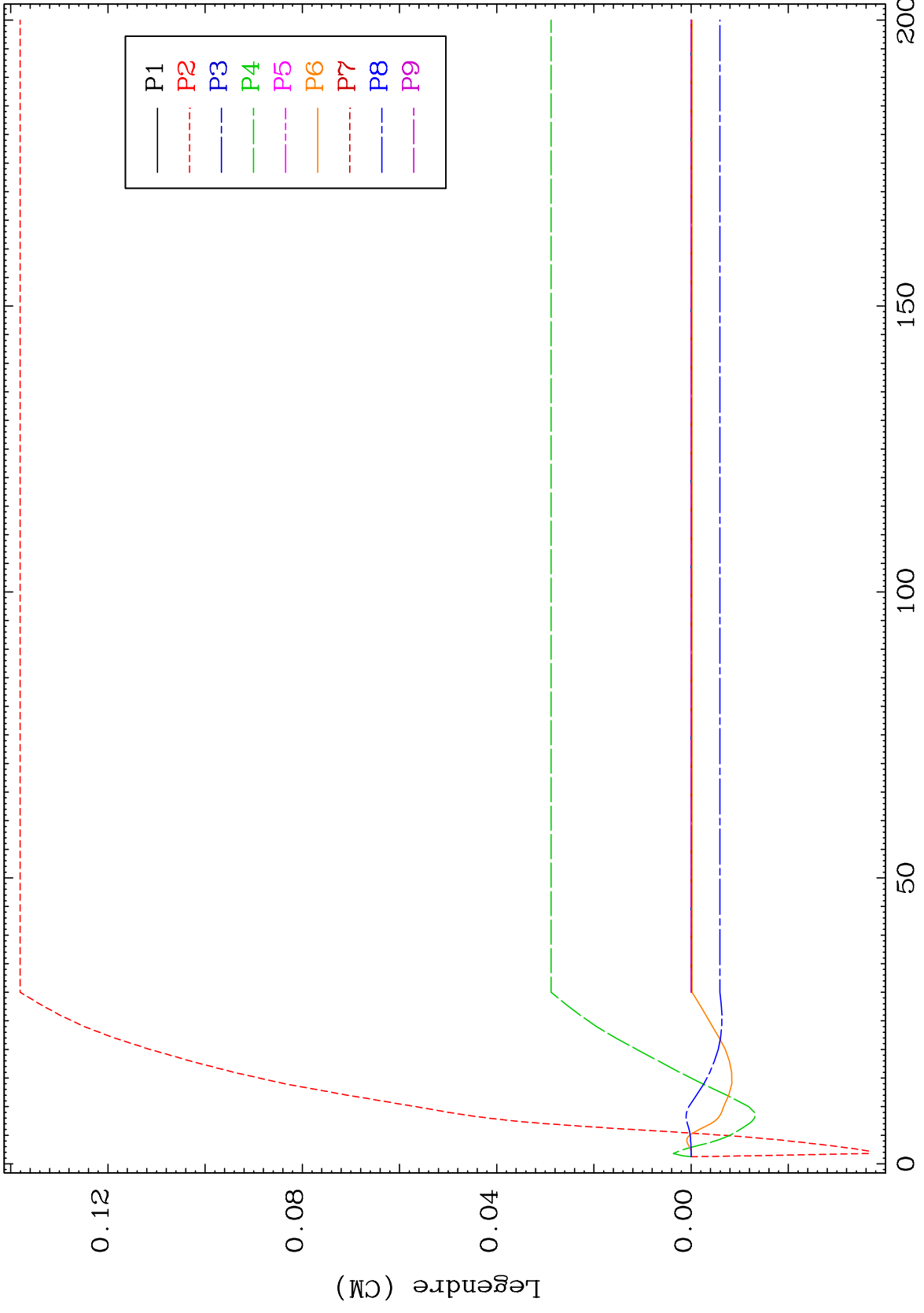
MAT 7001 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-160



MAT 7001 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-160

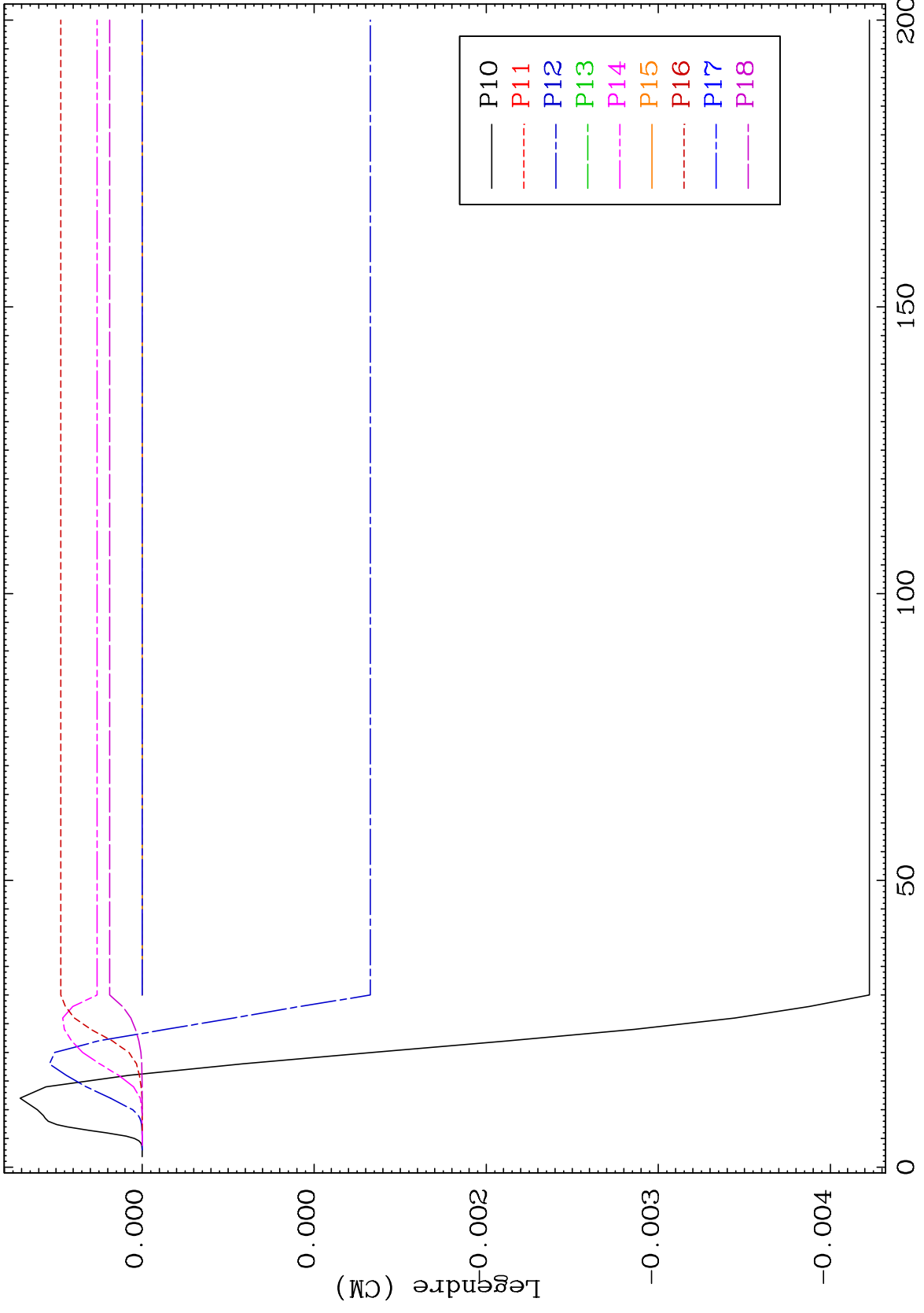


MAT 7001 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-160



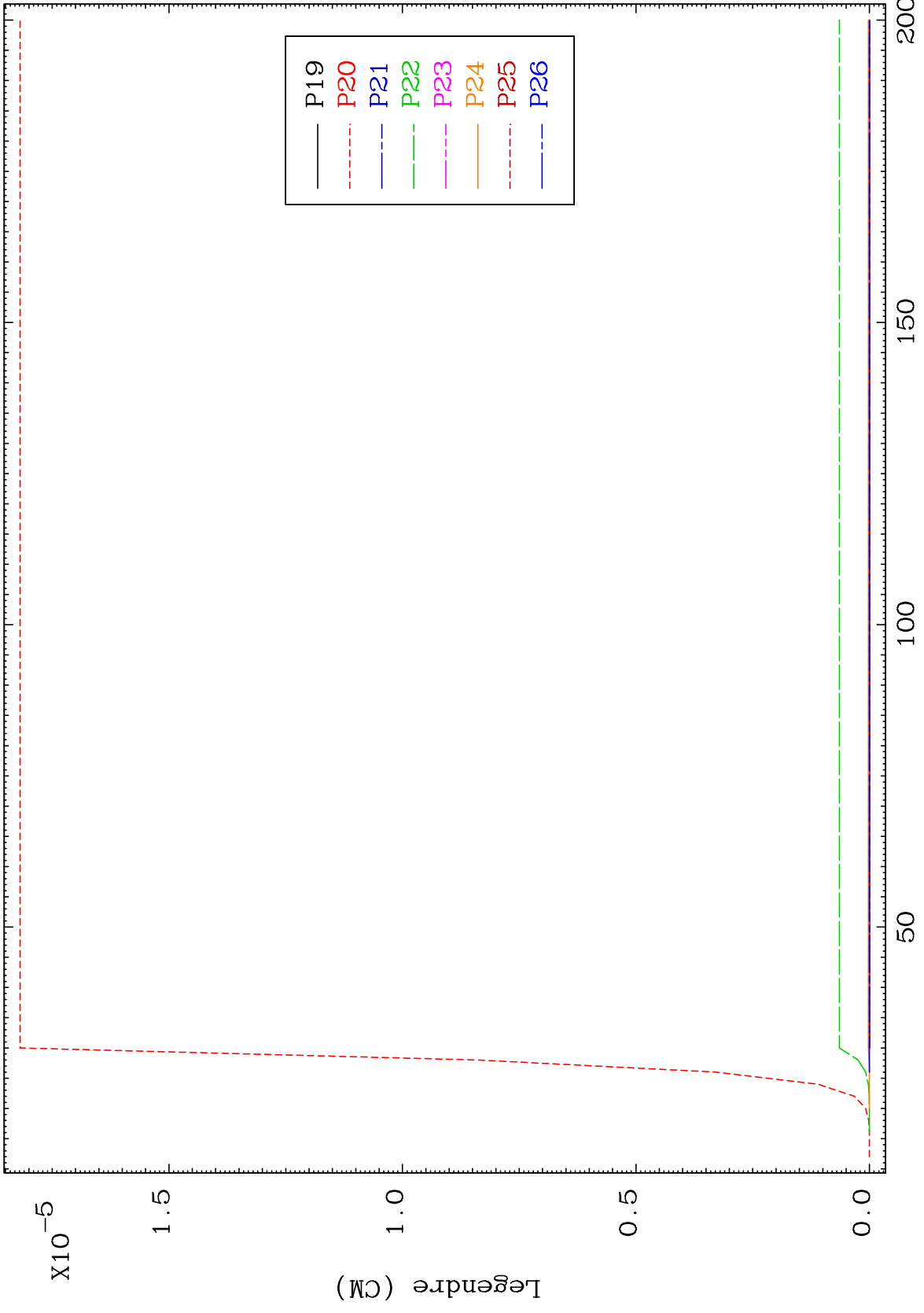
41 Incident Energy (MeV) 70-Yb-160

MAT 7001 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-160

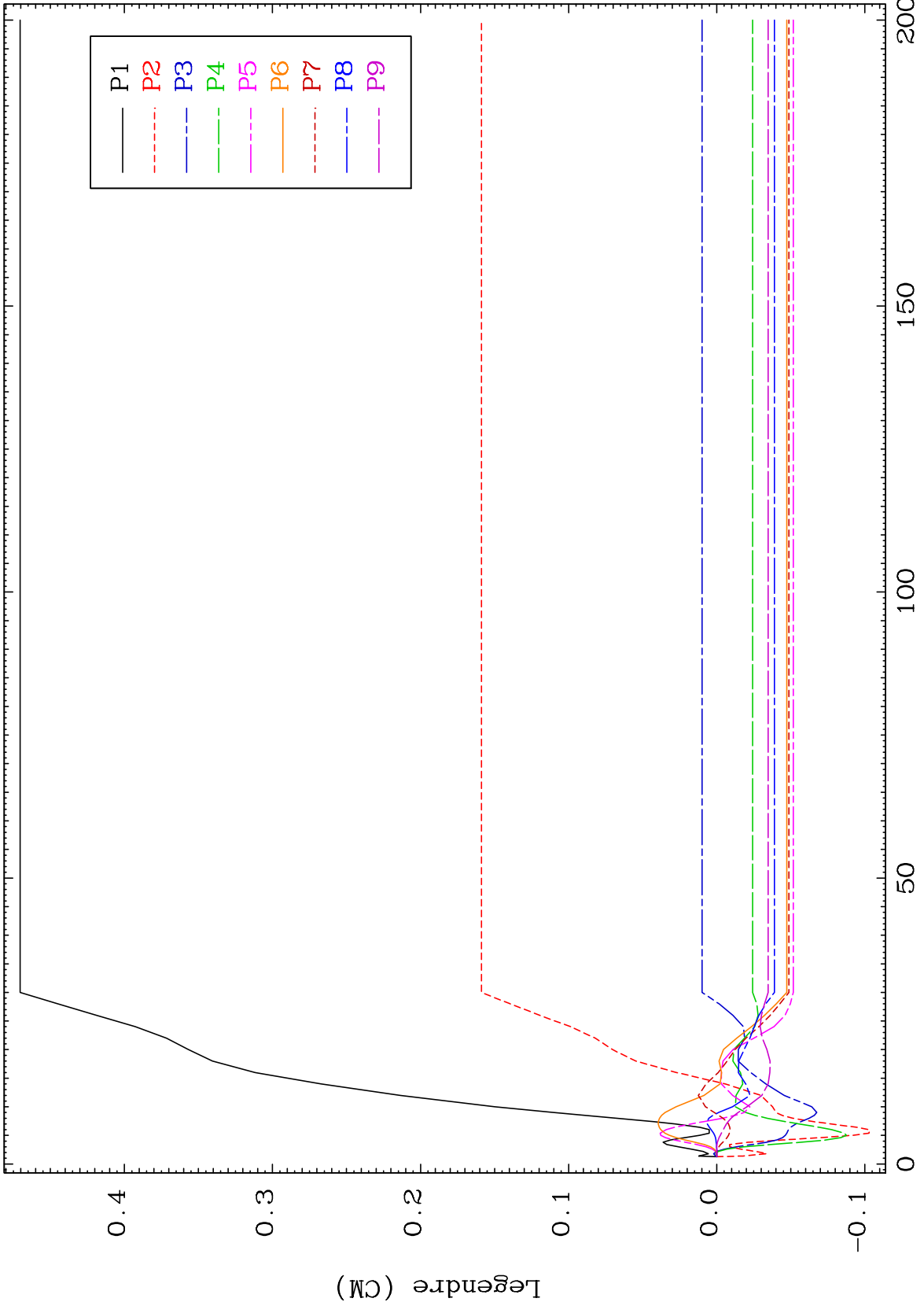


42 70-Yb-160

MAT 7001 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-160



MAT 7001 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-160

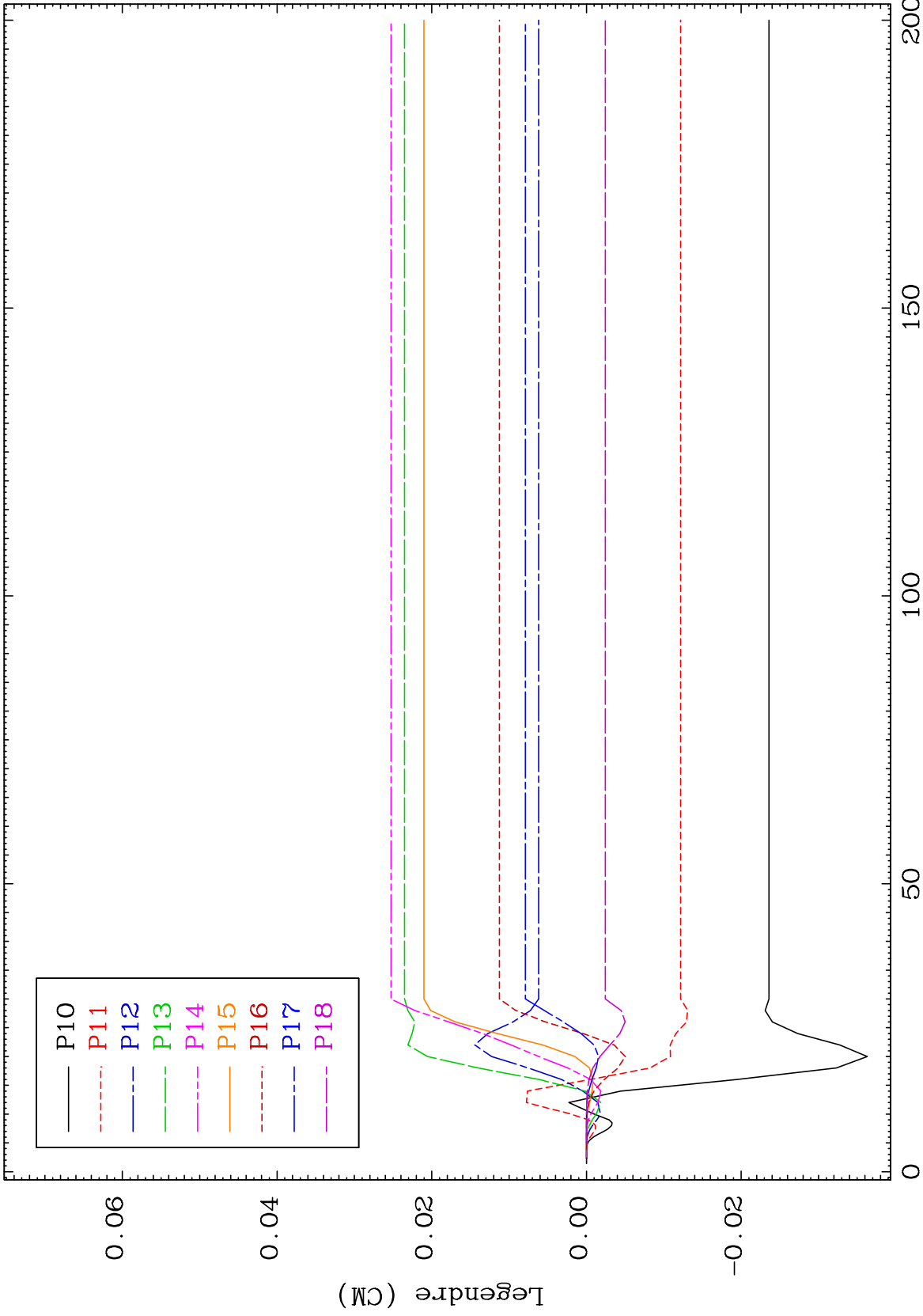


44 70-Yb-160

MAT 7001

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

70-Yb-160



45

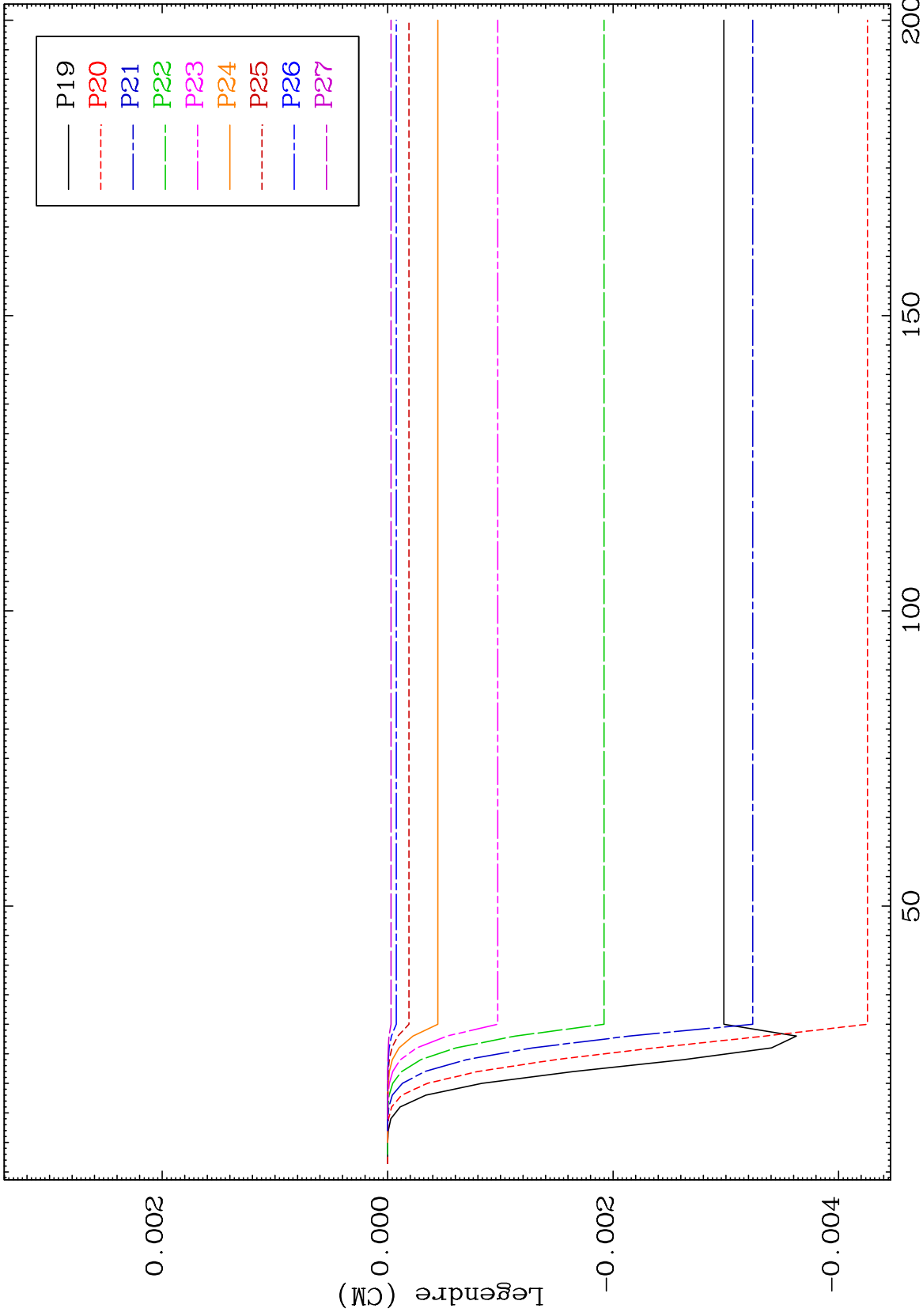
Incident Energy (MeV)

70-Yb-160

MAT 7001

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

70-Yb-160

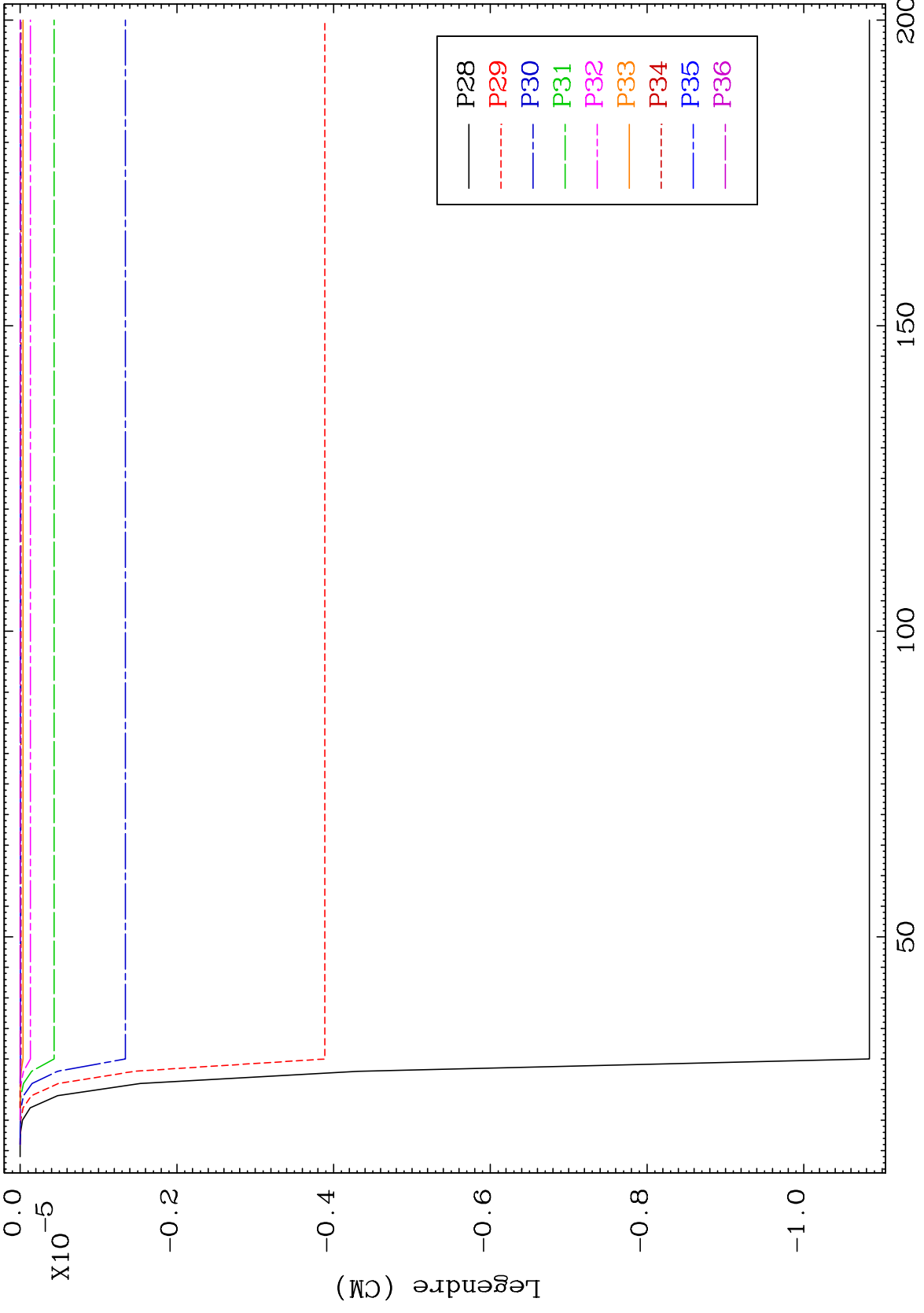


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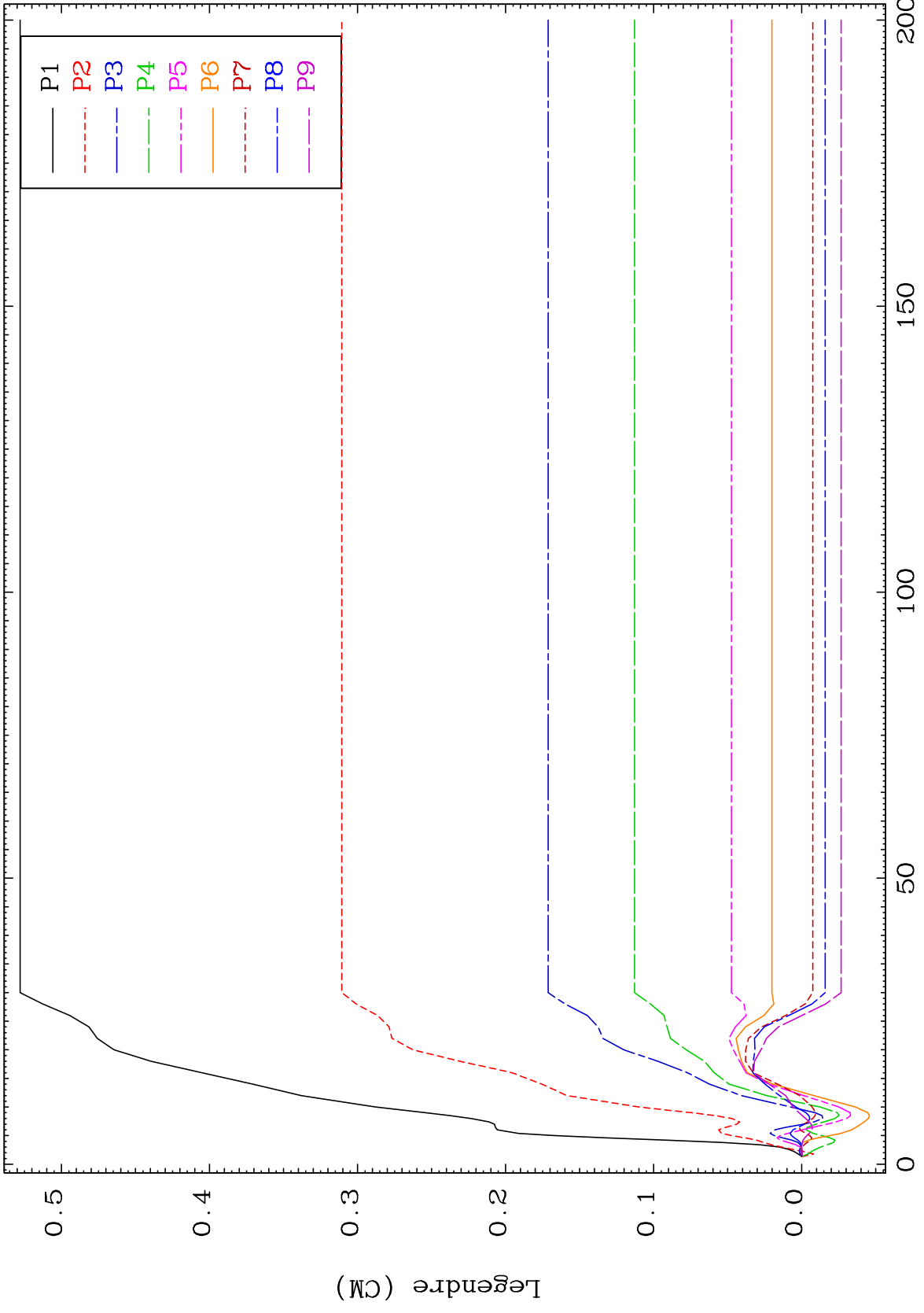
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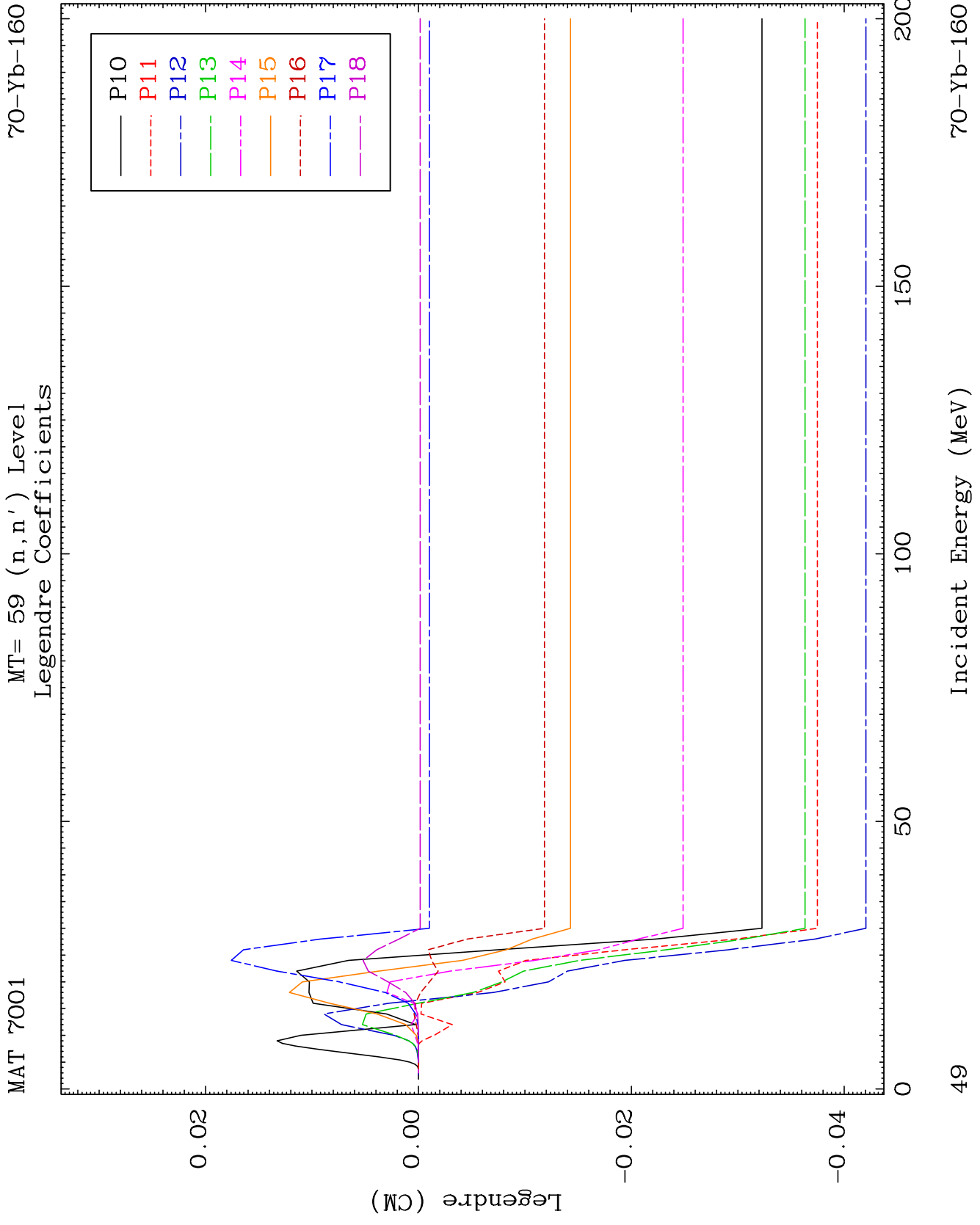
70-Yb-160

MAT 7001 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-160



MAT 7001 MT= 59 (n,n') Level Legendre Coefficients 70-Yb-160

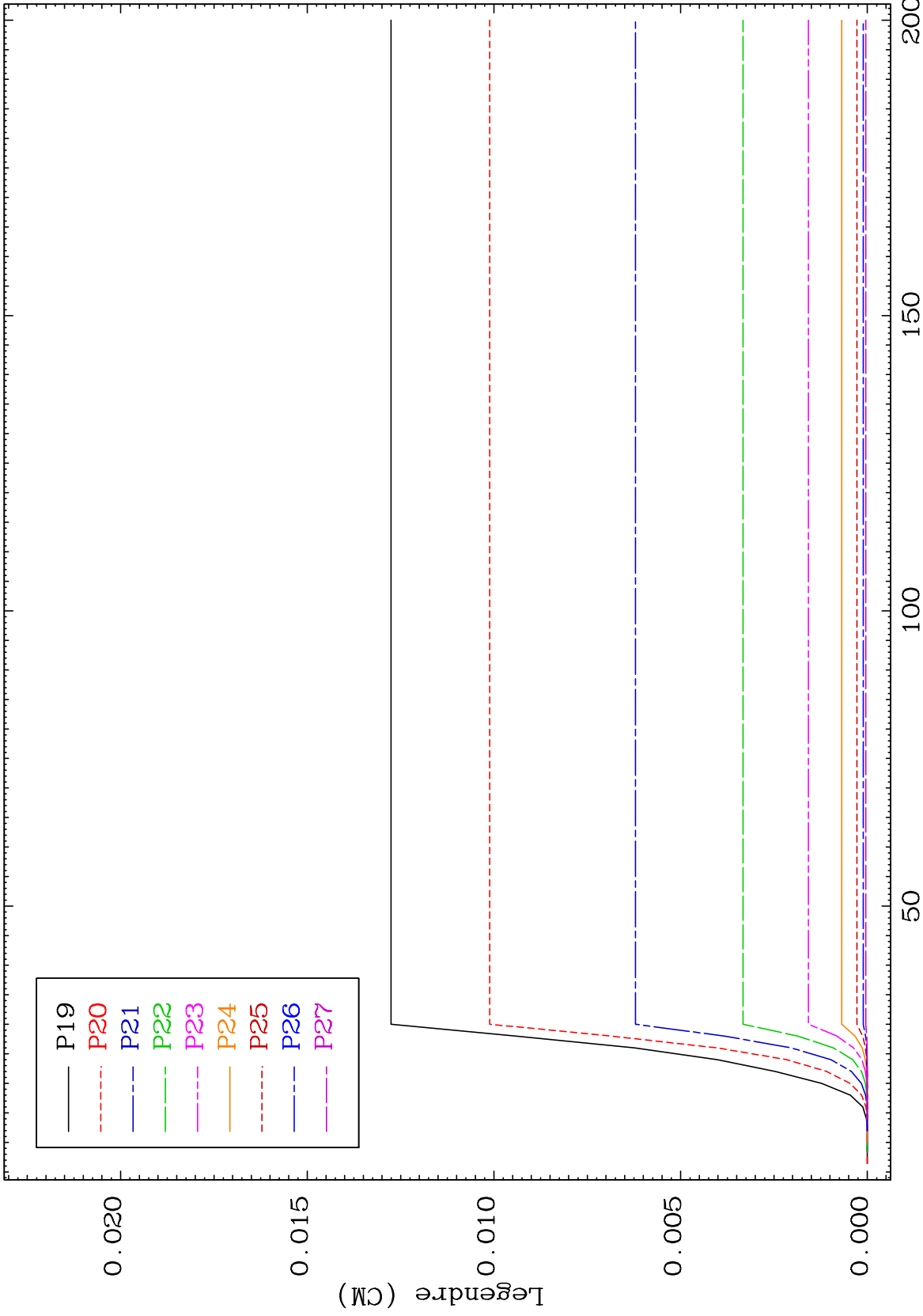




MAT 7001

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

70-Yb-160



50

100

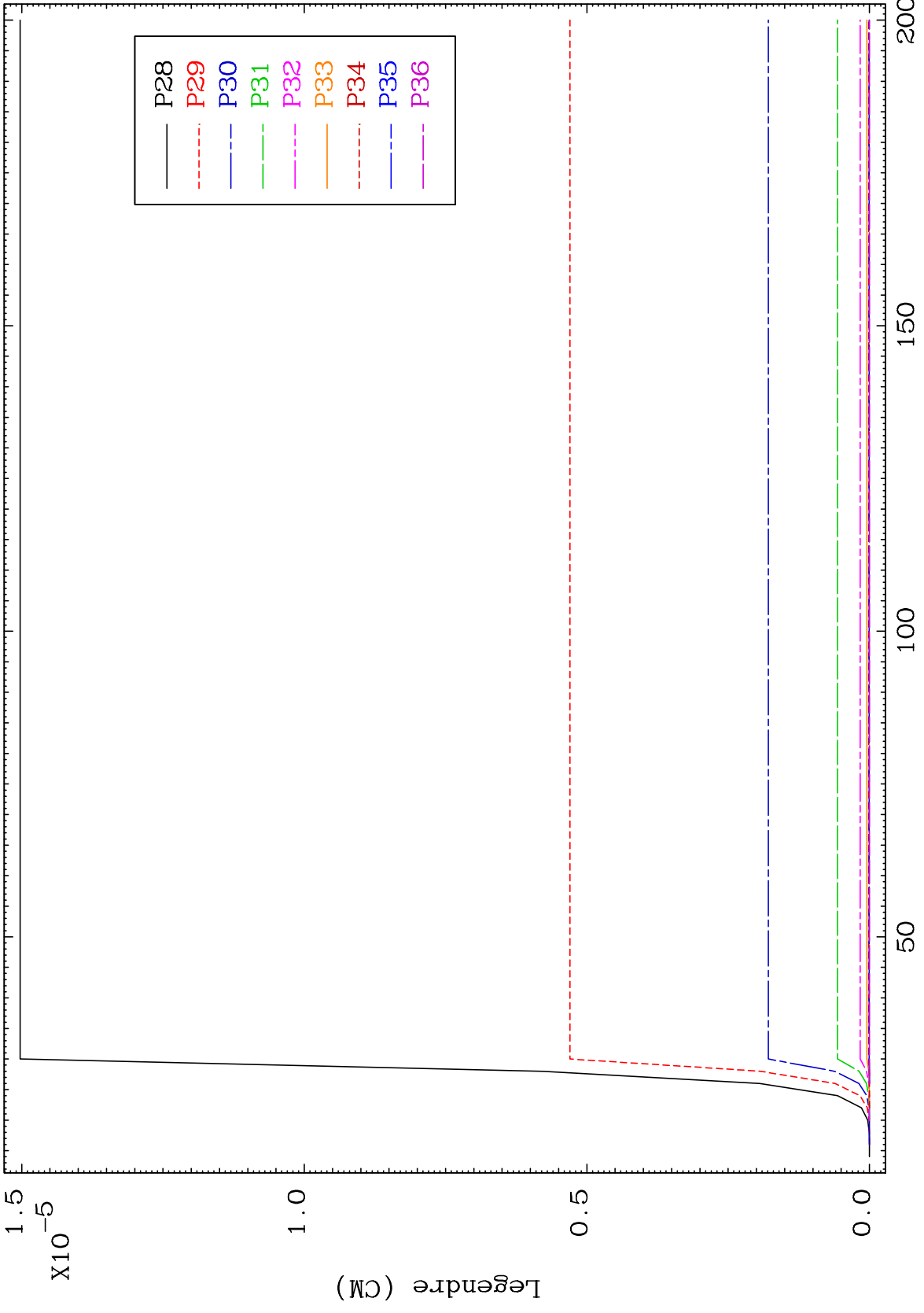
150

Incident Energy (MeV)

200

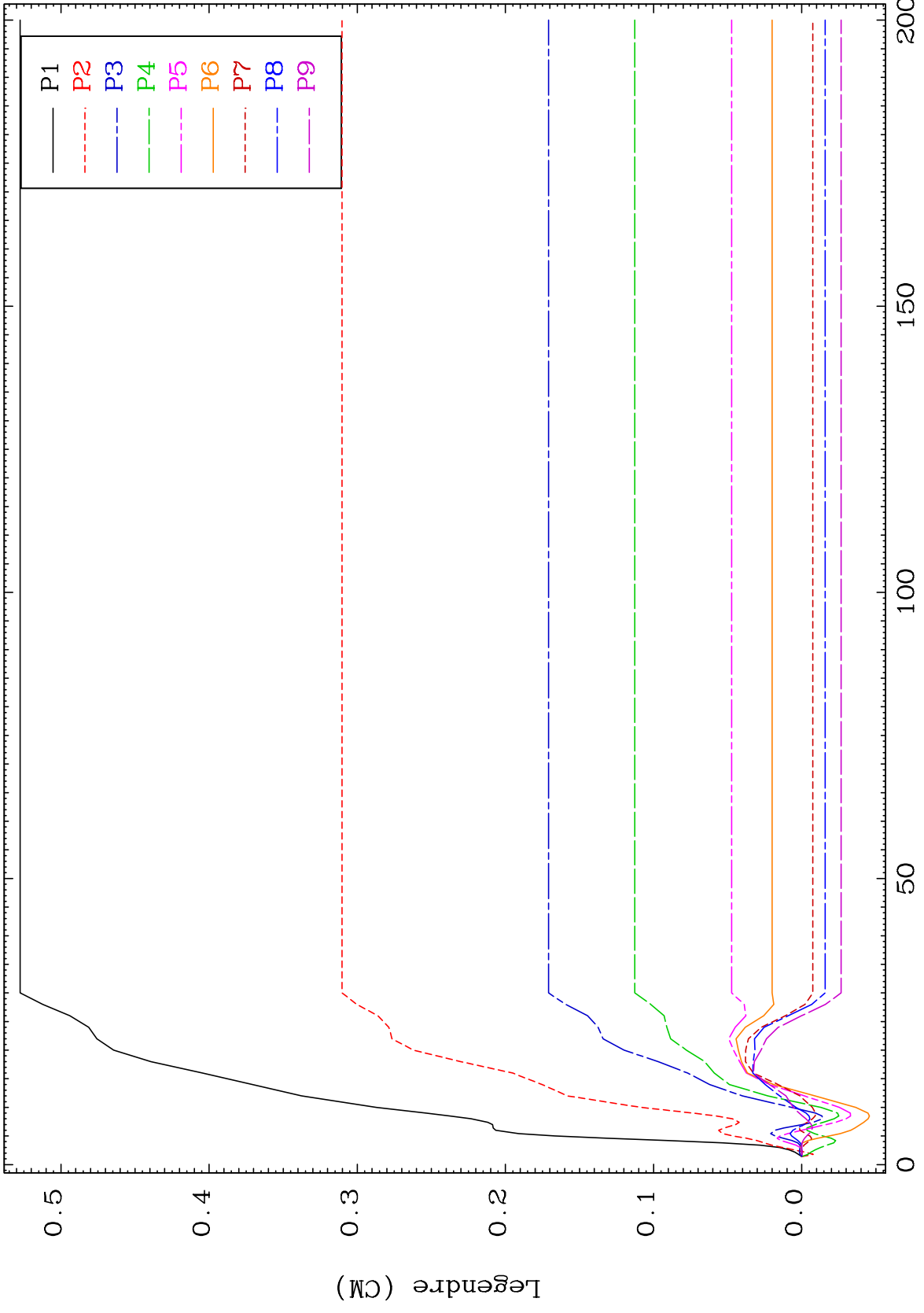
70-Yb-160

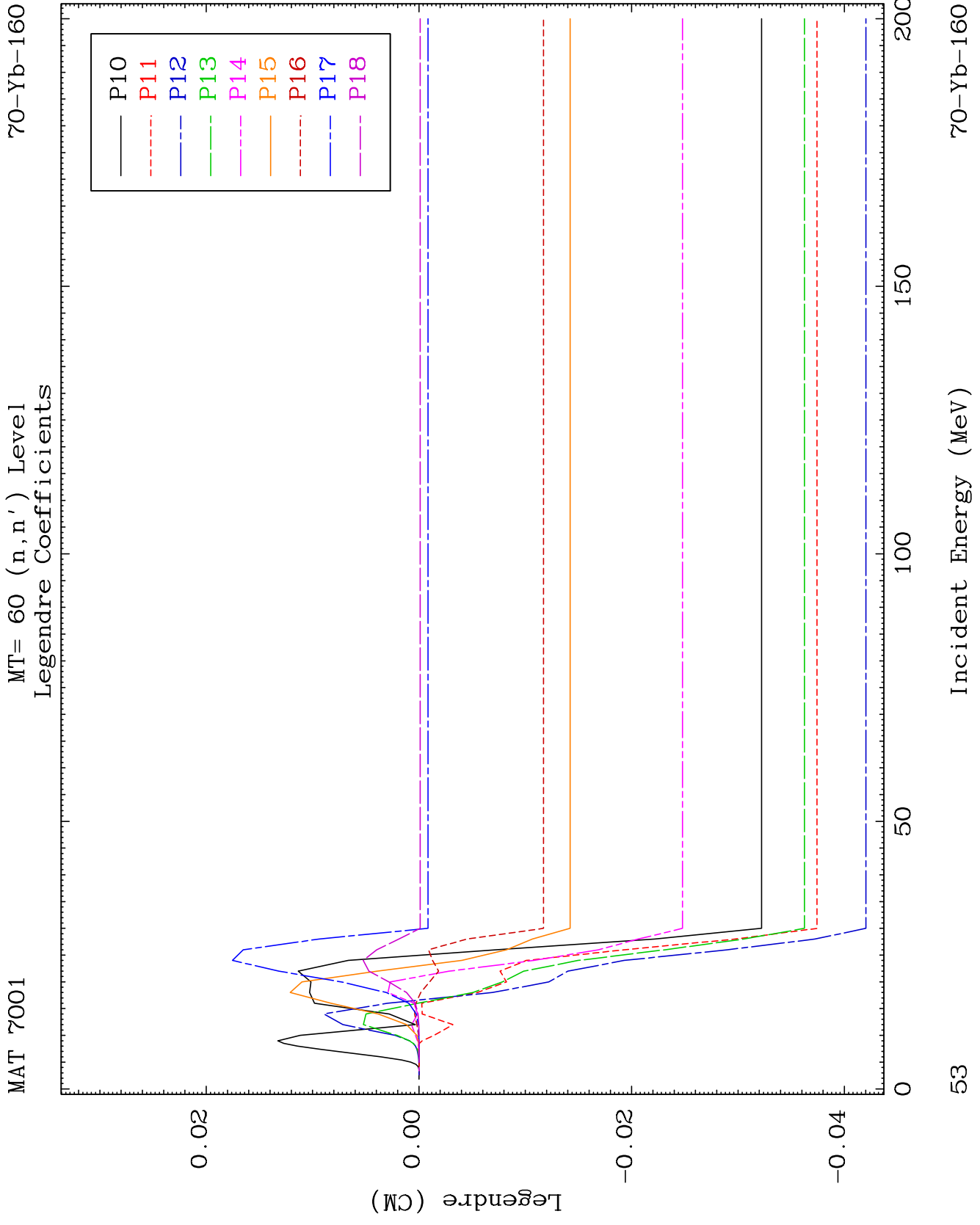
MAT 7001 MT= 59 (n,n') Level Legendre Coefficients 70-Yb-160



51 Incident Energy (MeV) 70-Yb-160

MAT 7001 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-160

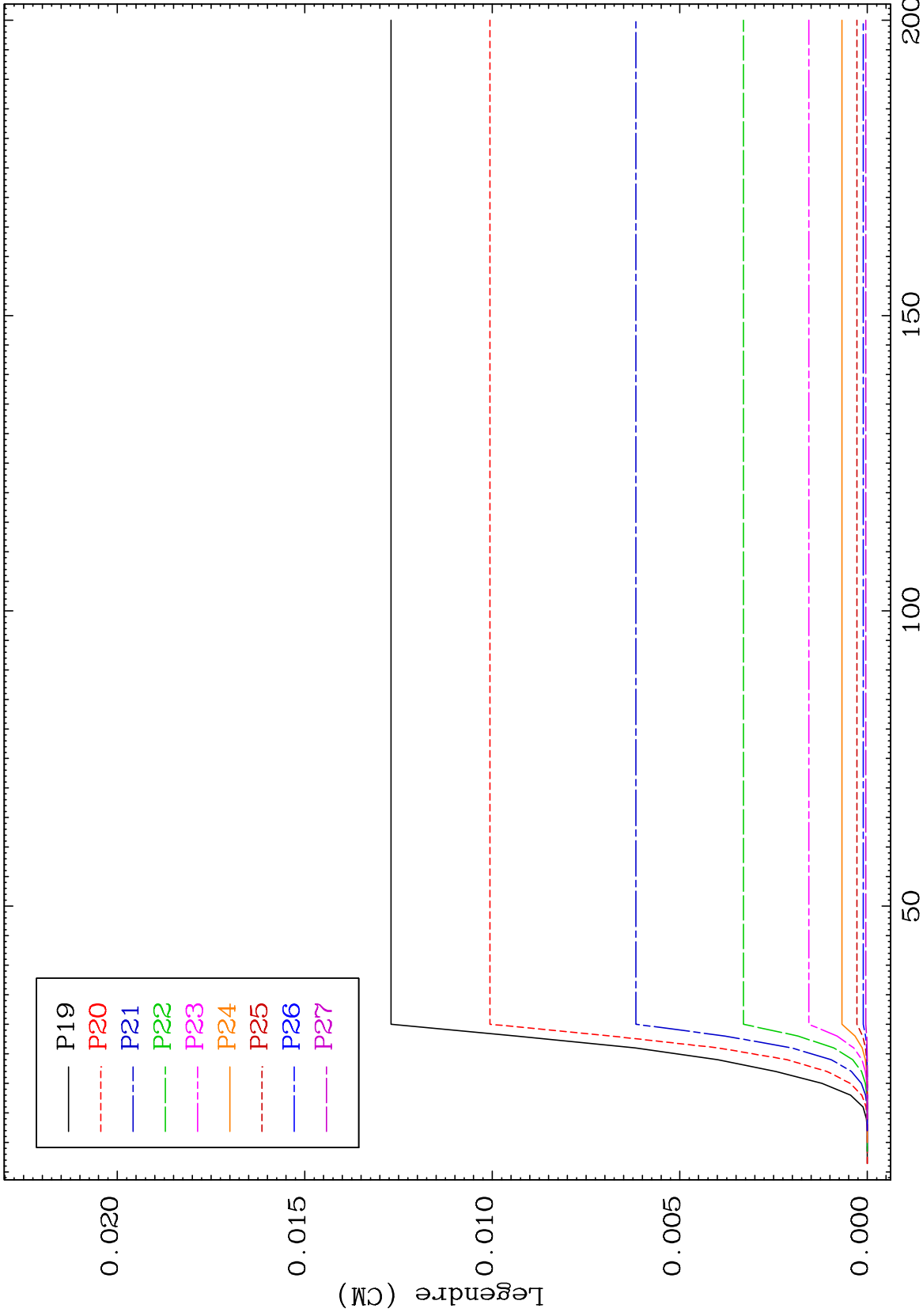




MAT 7001

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

70-Yb-160

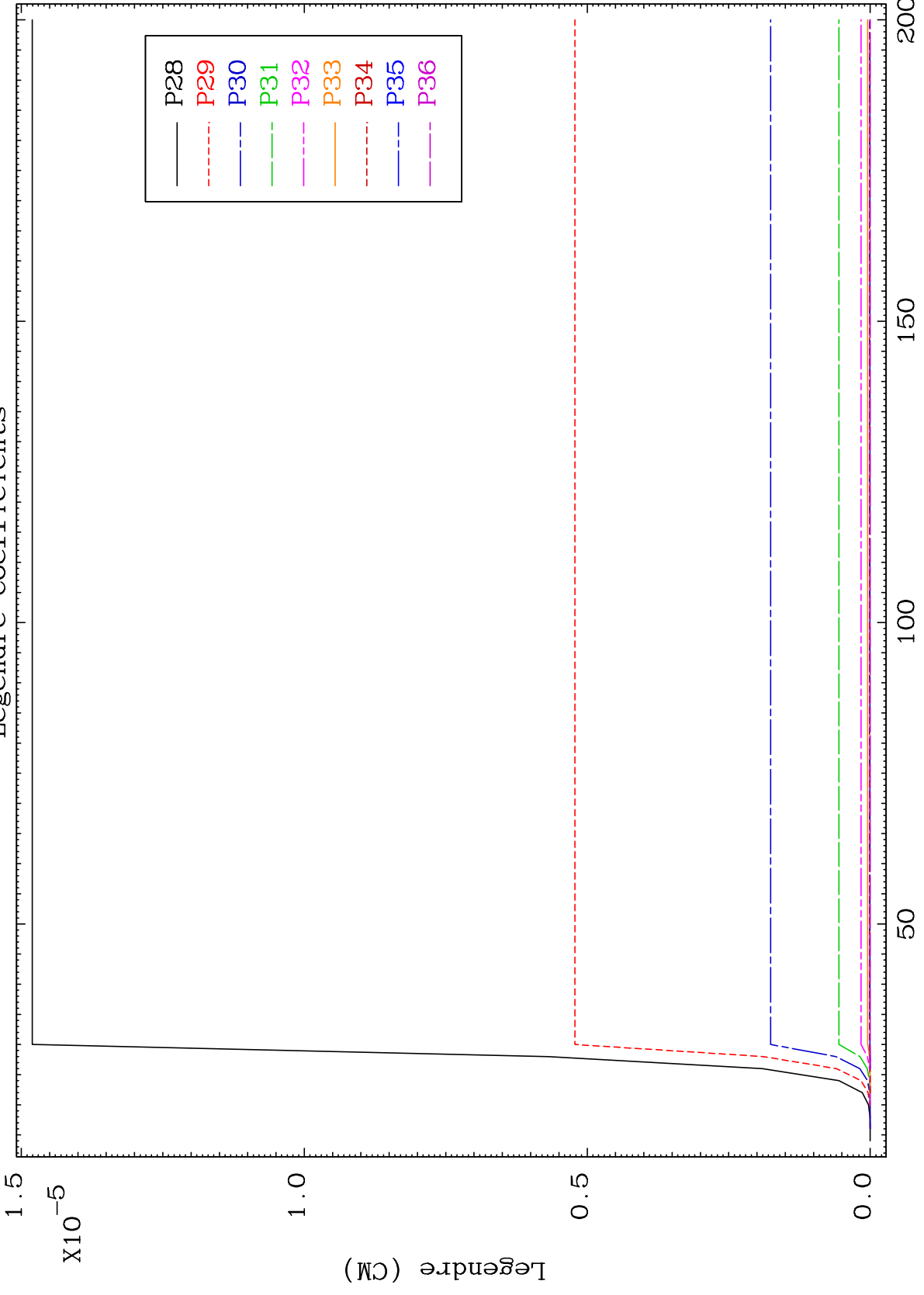


54

Incident Energy (MeV)

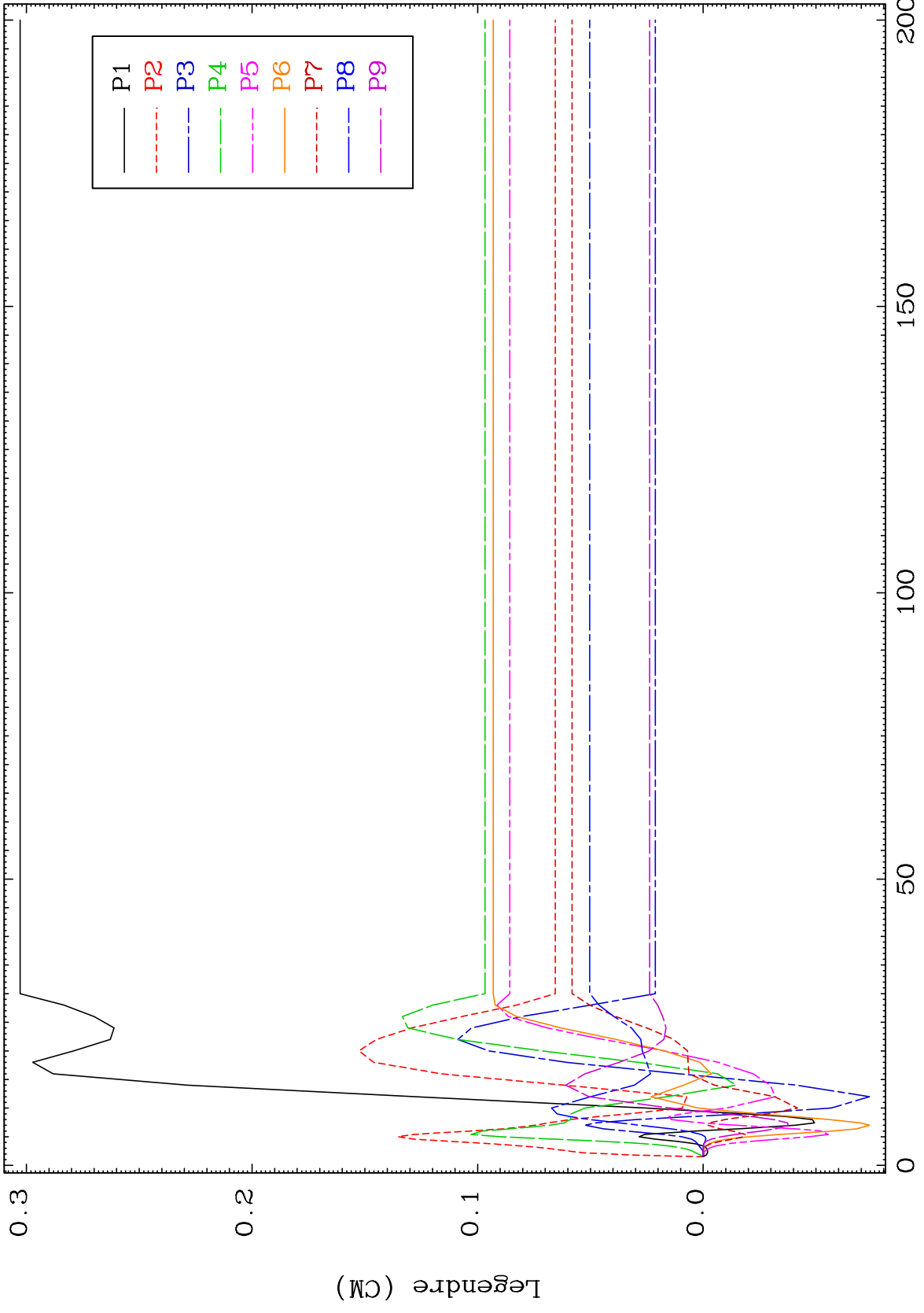
70-Yb-160

MAT 7001 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-160



55 Incident Energy (MeV) 70-Yb-160

MAT 7001 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-160

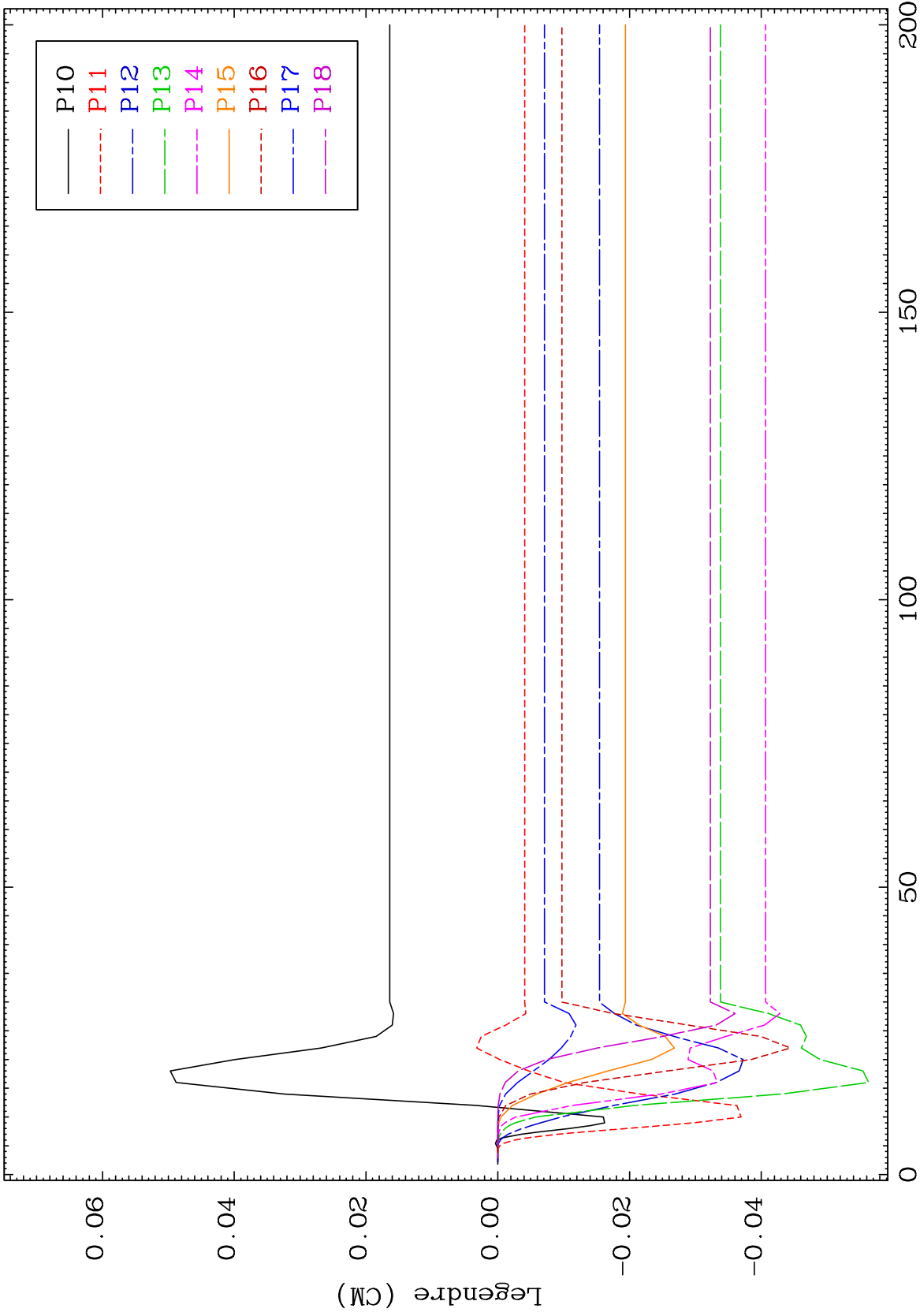


56 Incident Energy (MeV) 70-Yb-160

MAT 7001

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

70-Yb-160

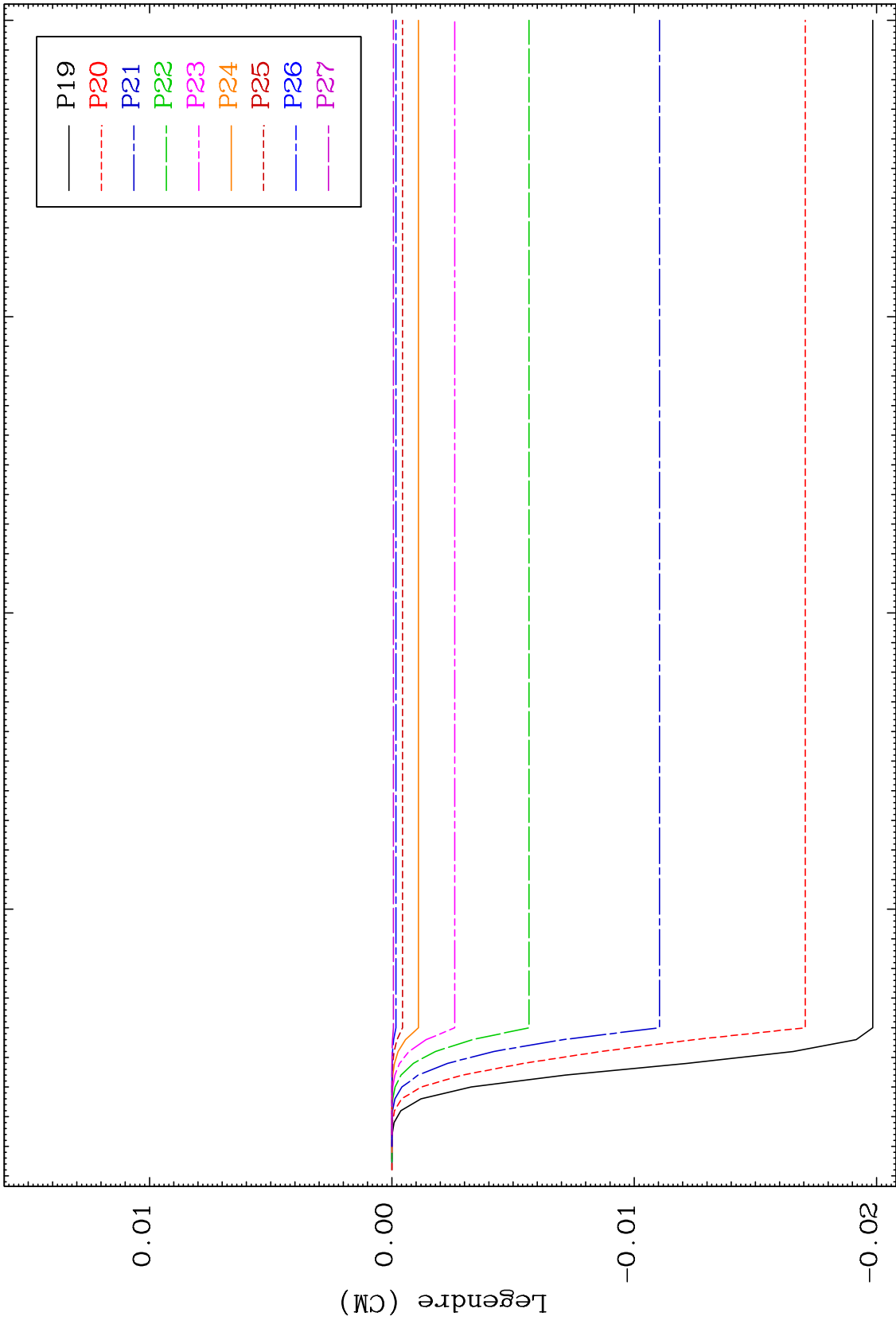


57

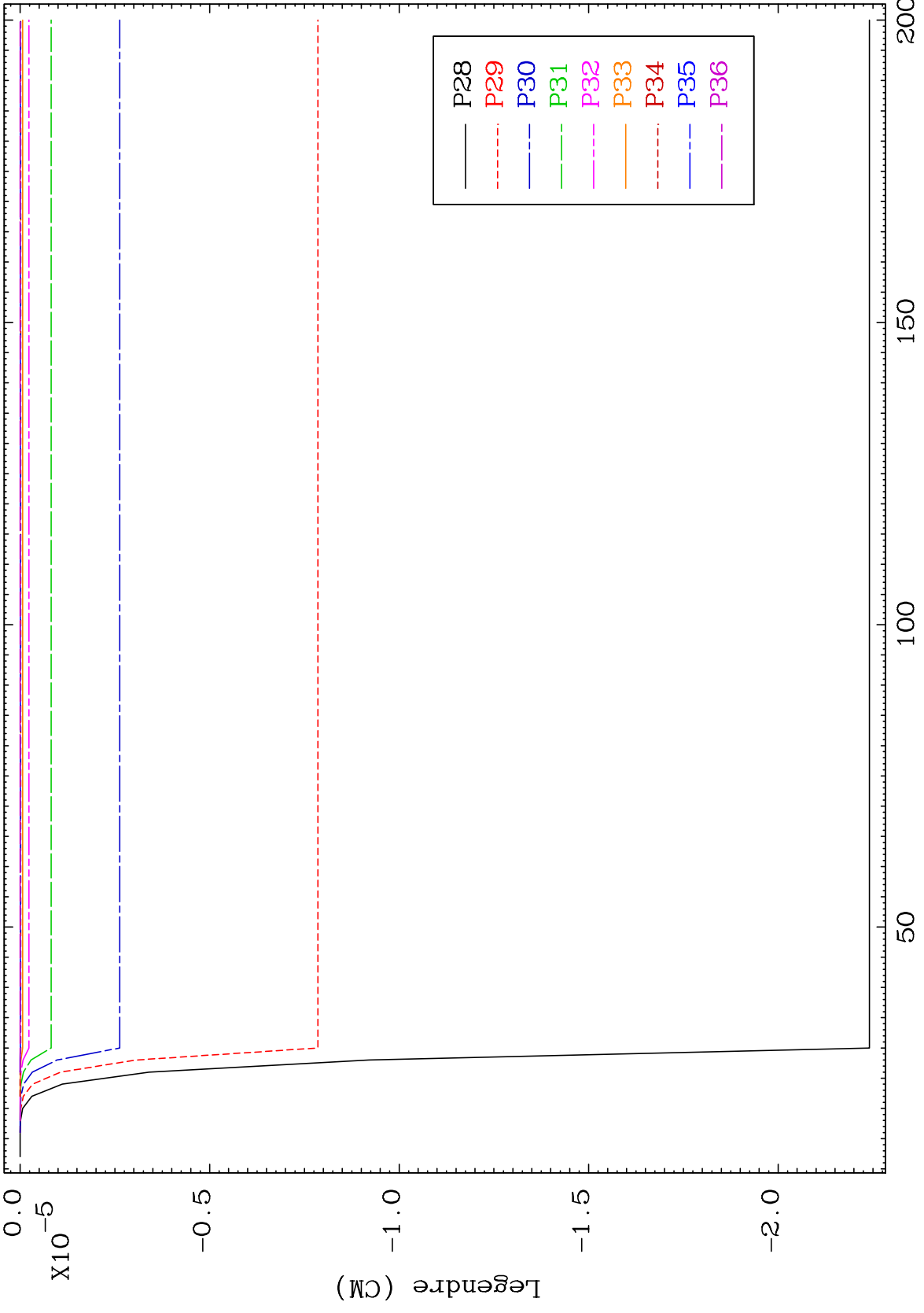
Incident Energy (MeV)

70-Yb-160

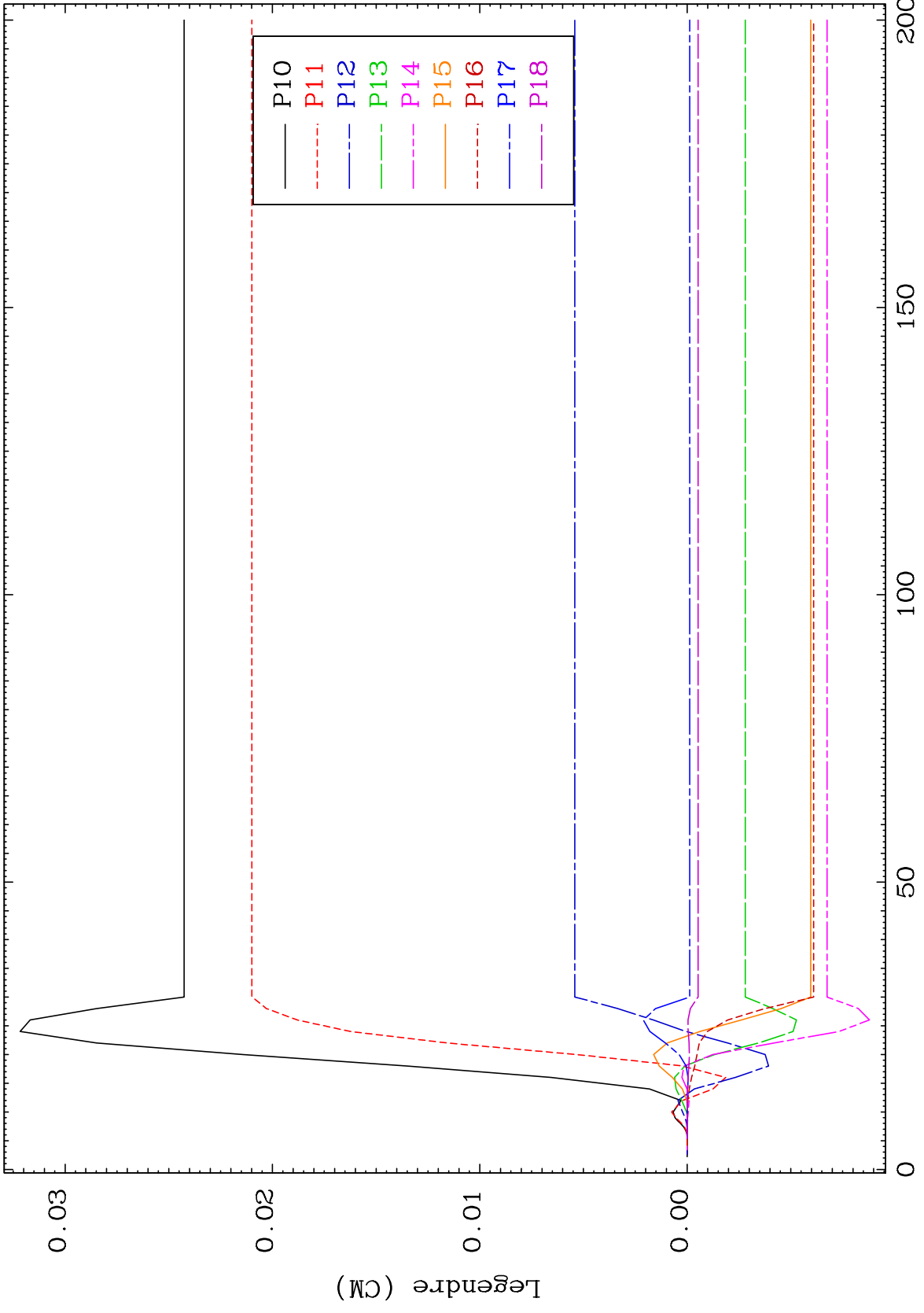
MAT 7001 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-160



MAT 7001 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-160



MAT 7001 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-160

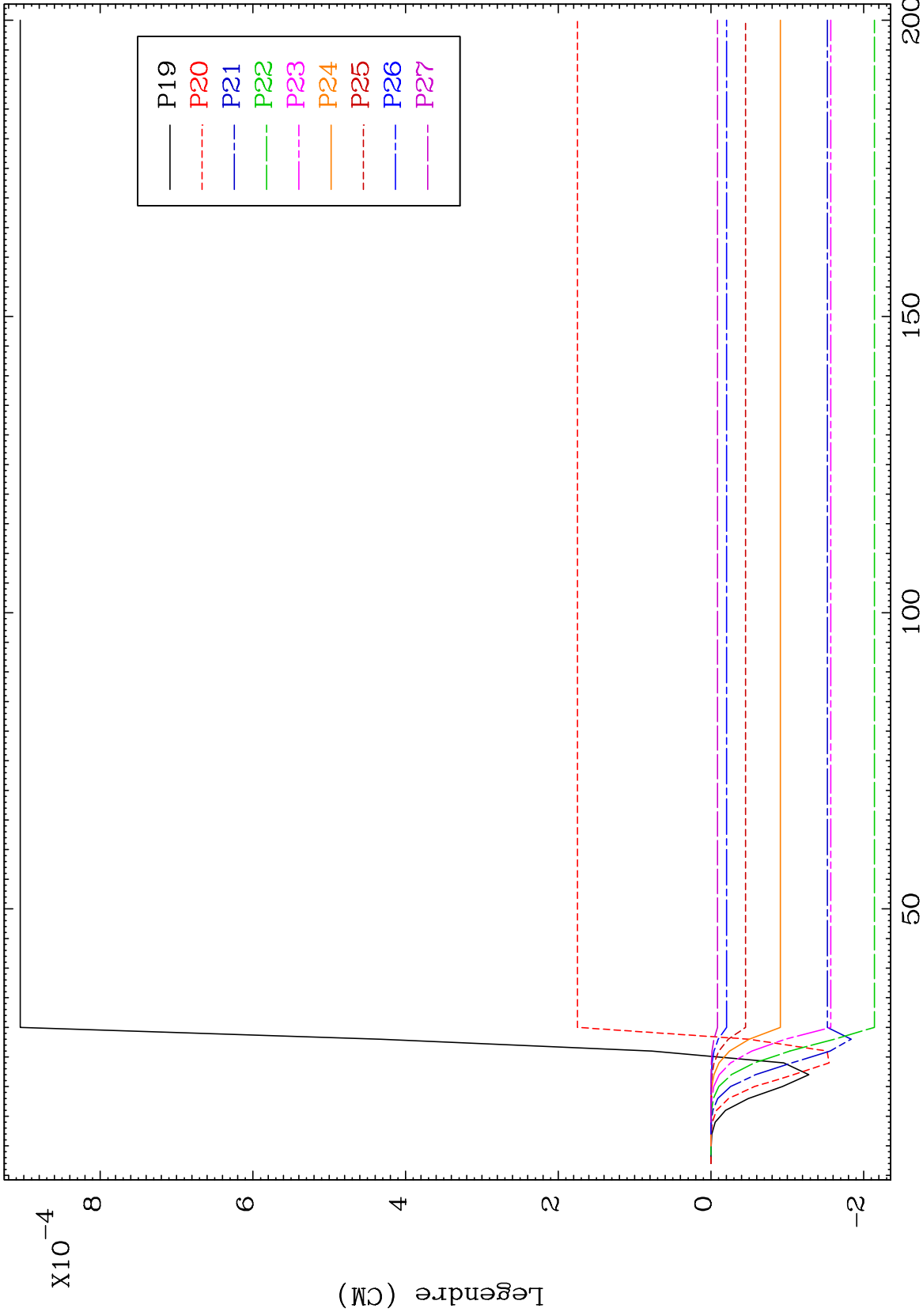


61 Incident Energy (MeV) 70-Yb-160

MAT 7001

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

70-Yb-160

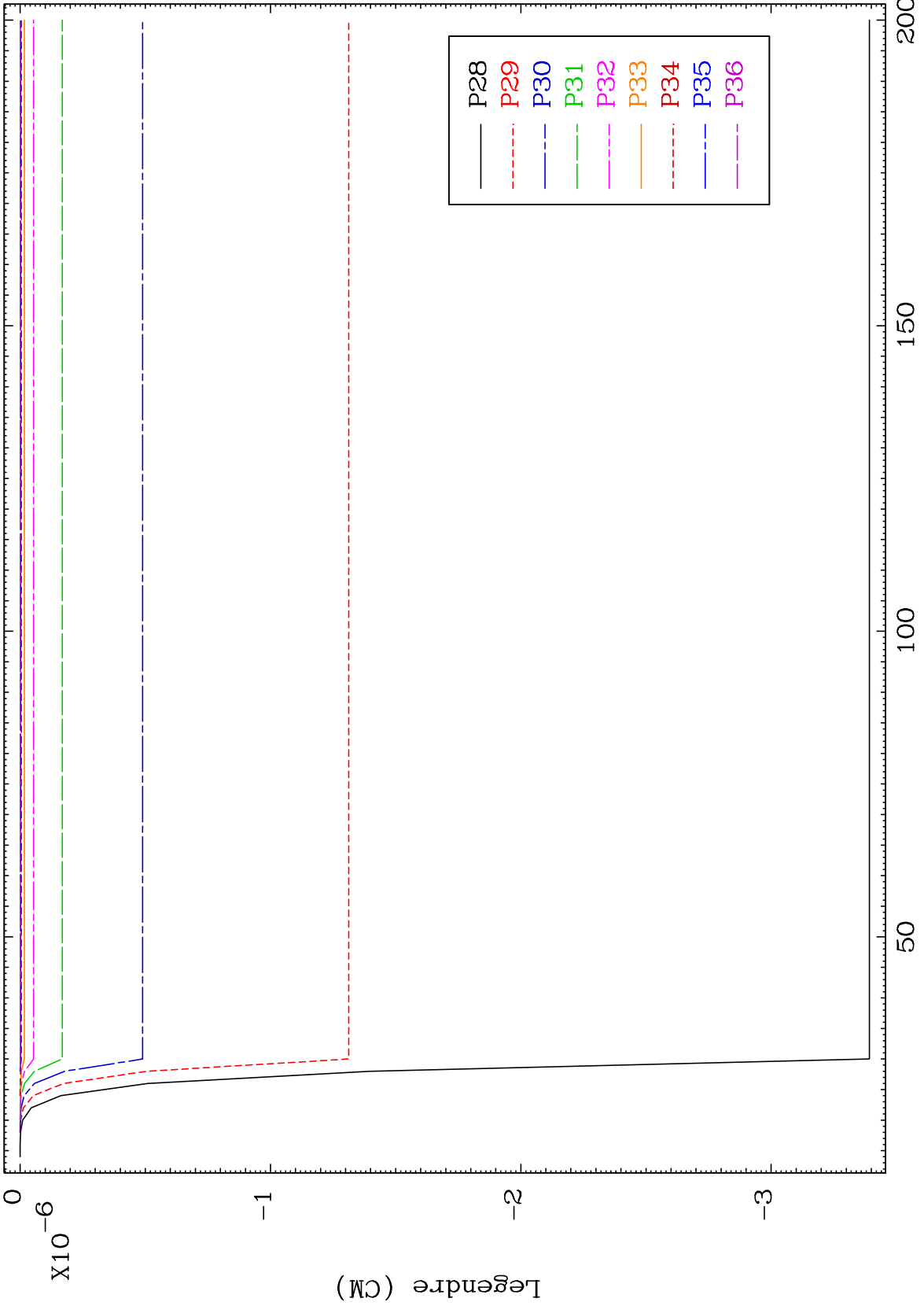


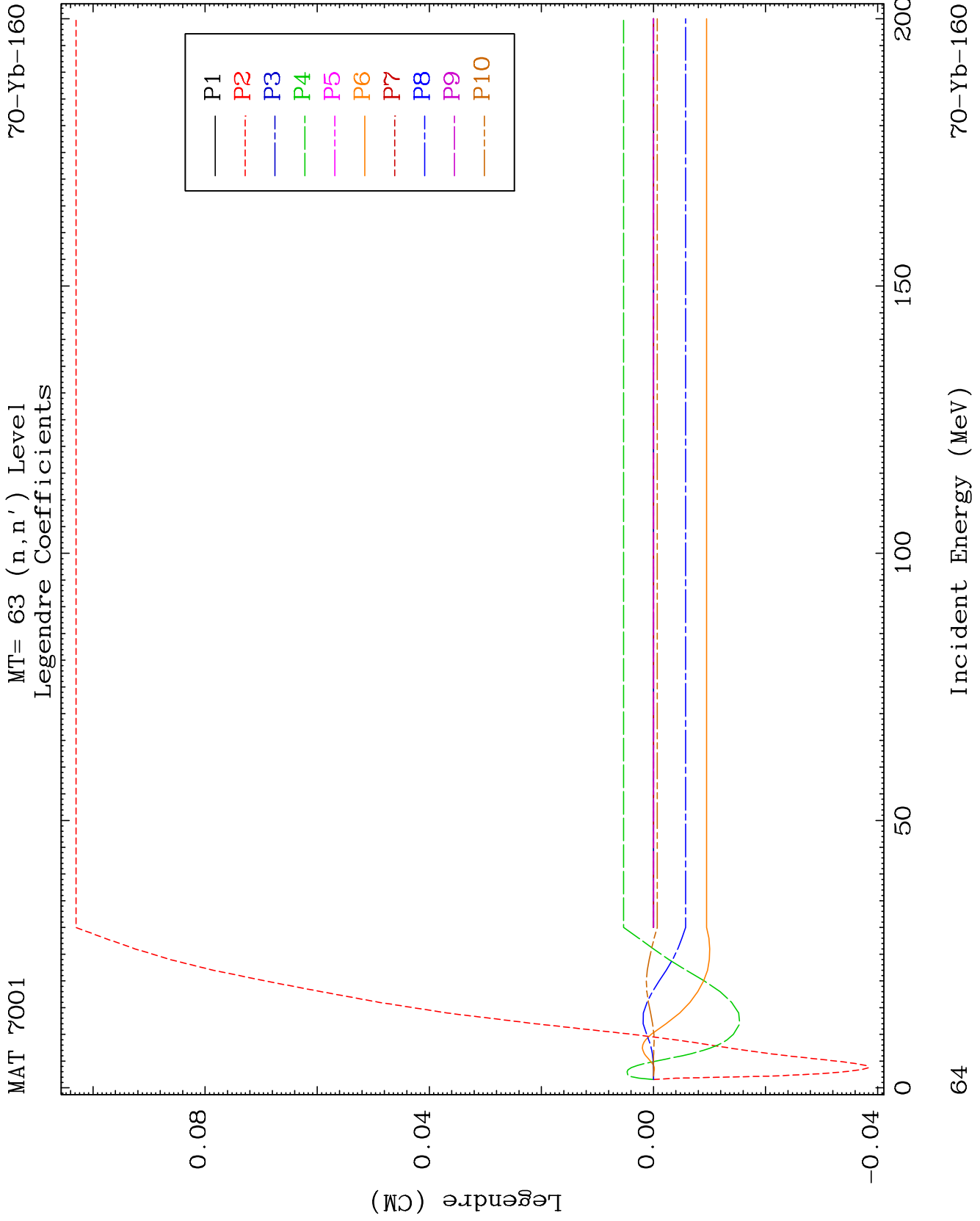
62

Incident Energy (MeV)

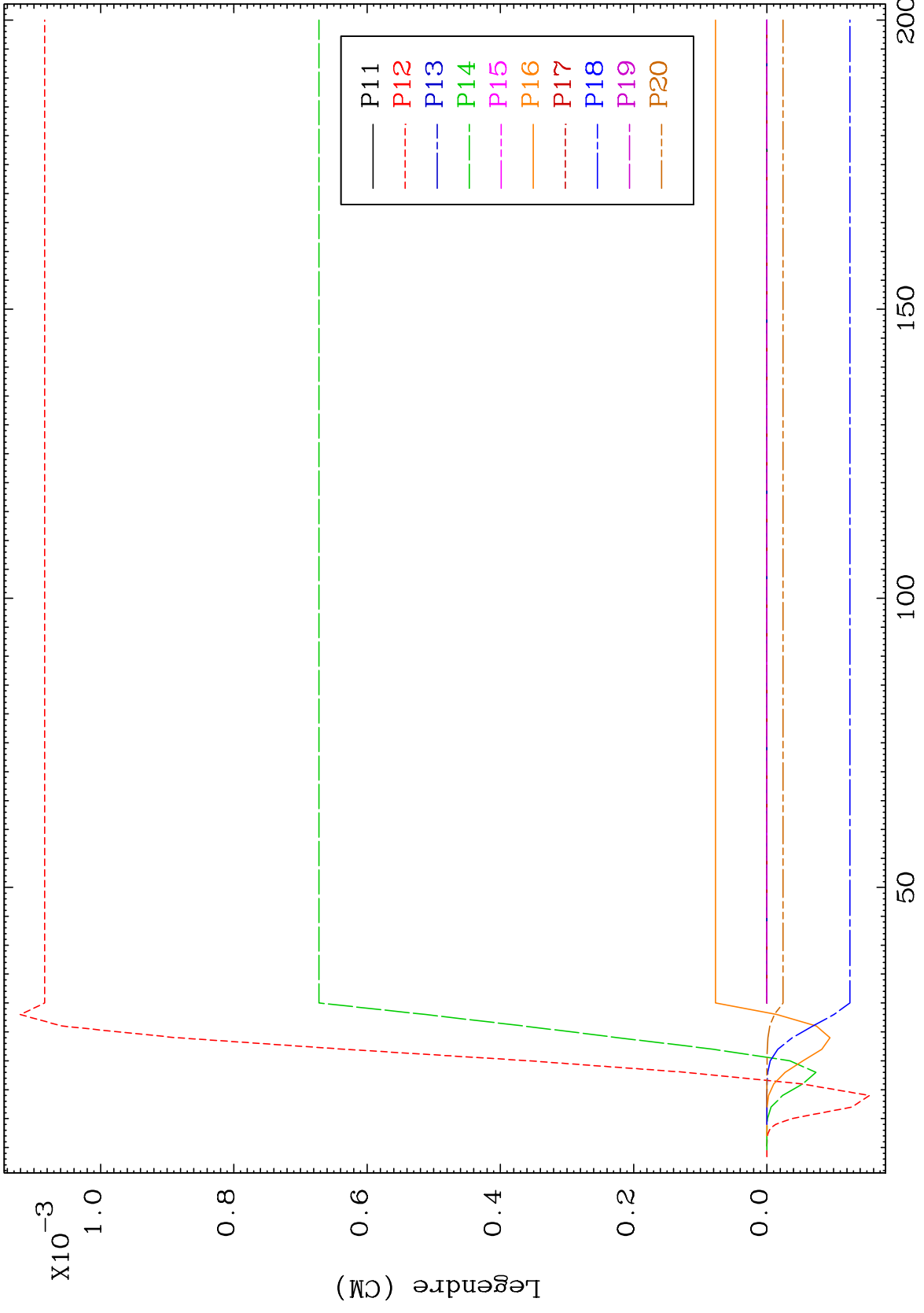
70-Yb-160

MAT 7001 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-160

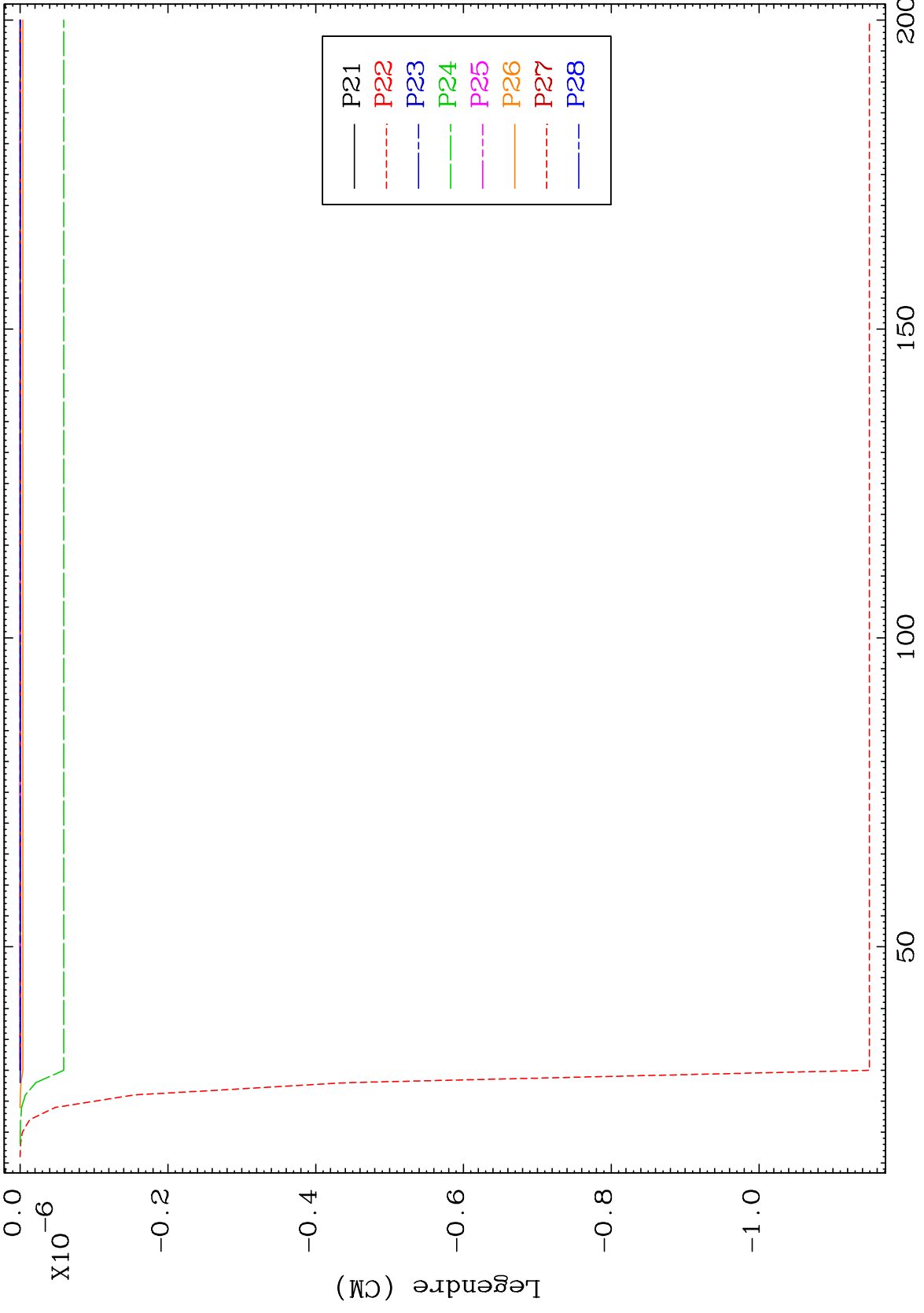


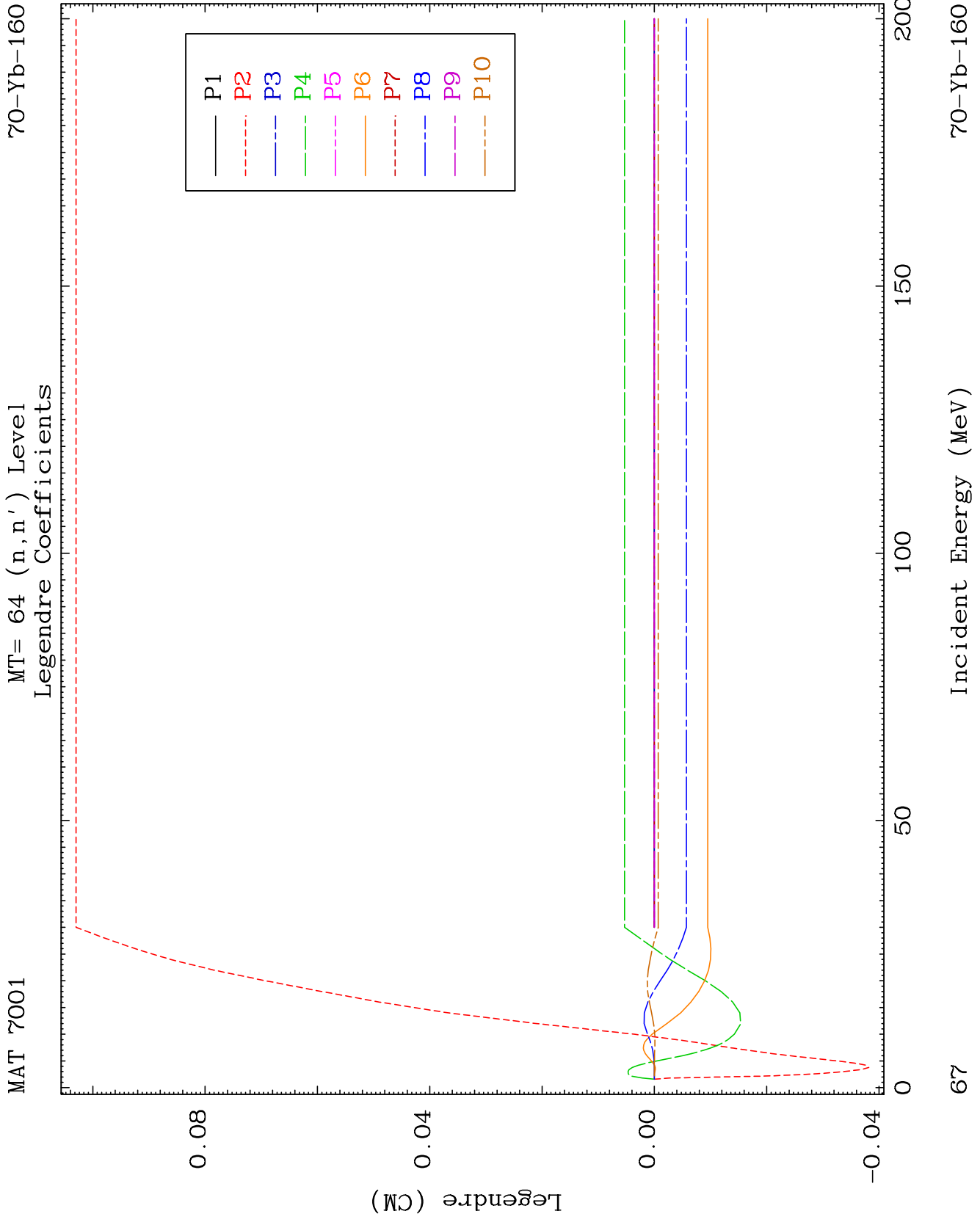


MAT 7001 MT= 63 (n,n') Level Legendre Coefficients 70-Yb-160

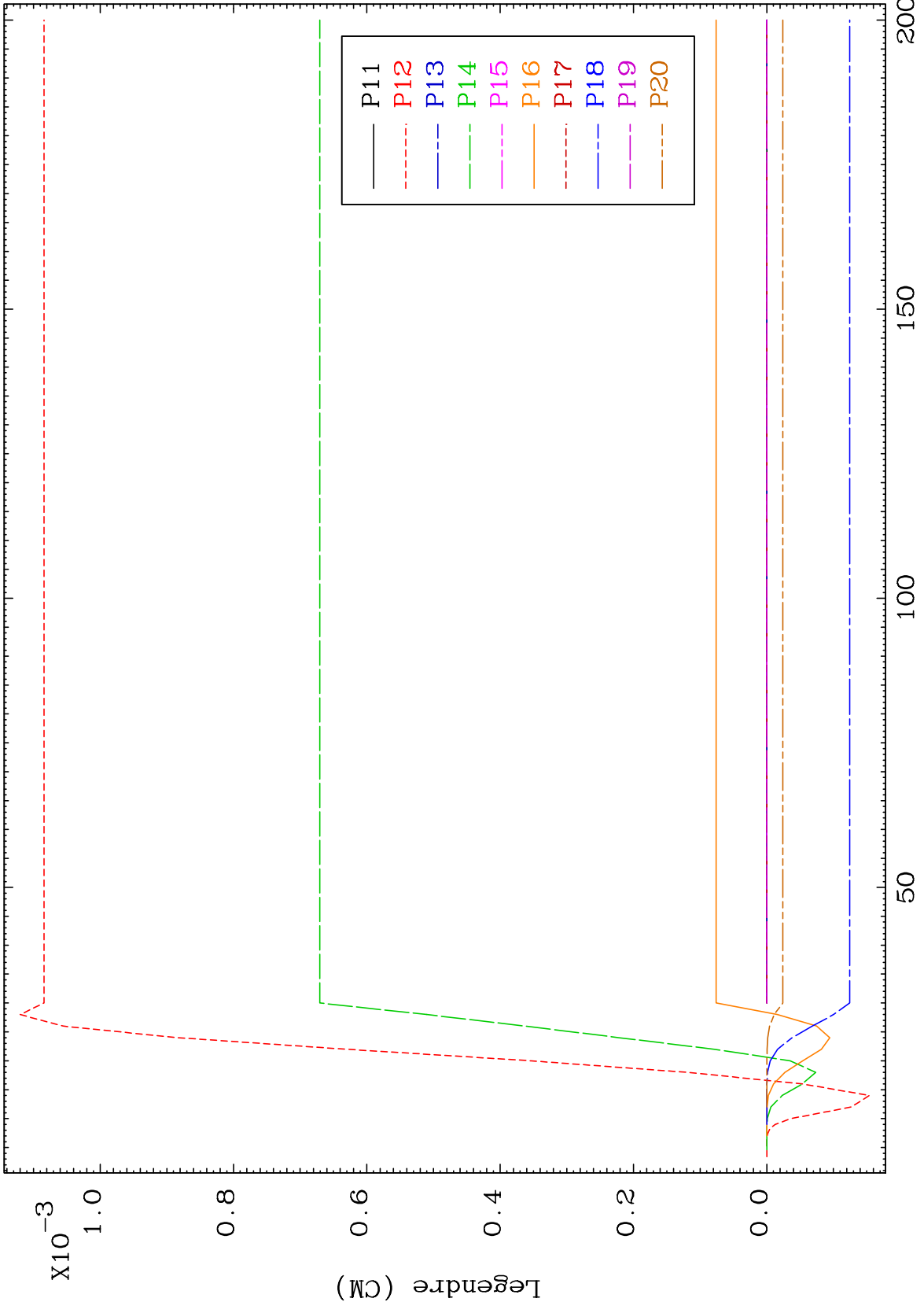


MAT 7001 MT= 63 (n, n') Level Legendre Coefficients 70-Yb-160

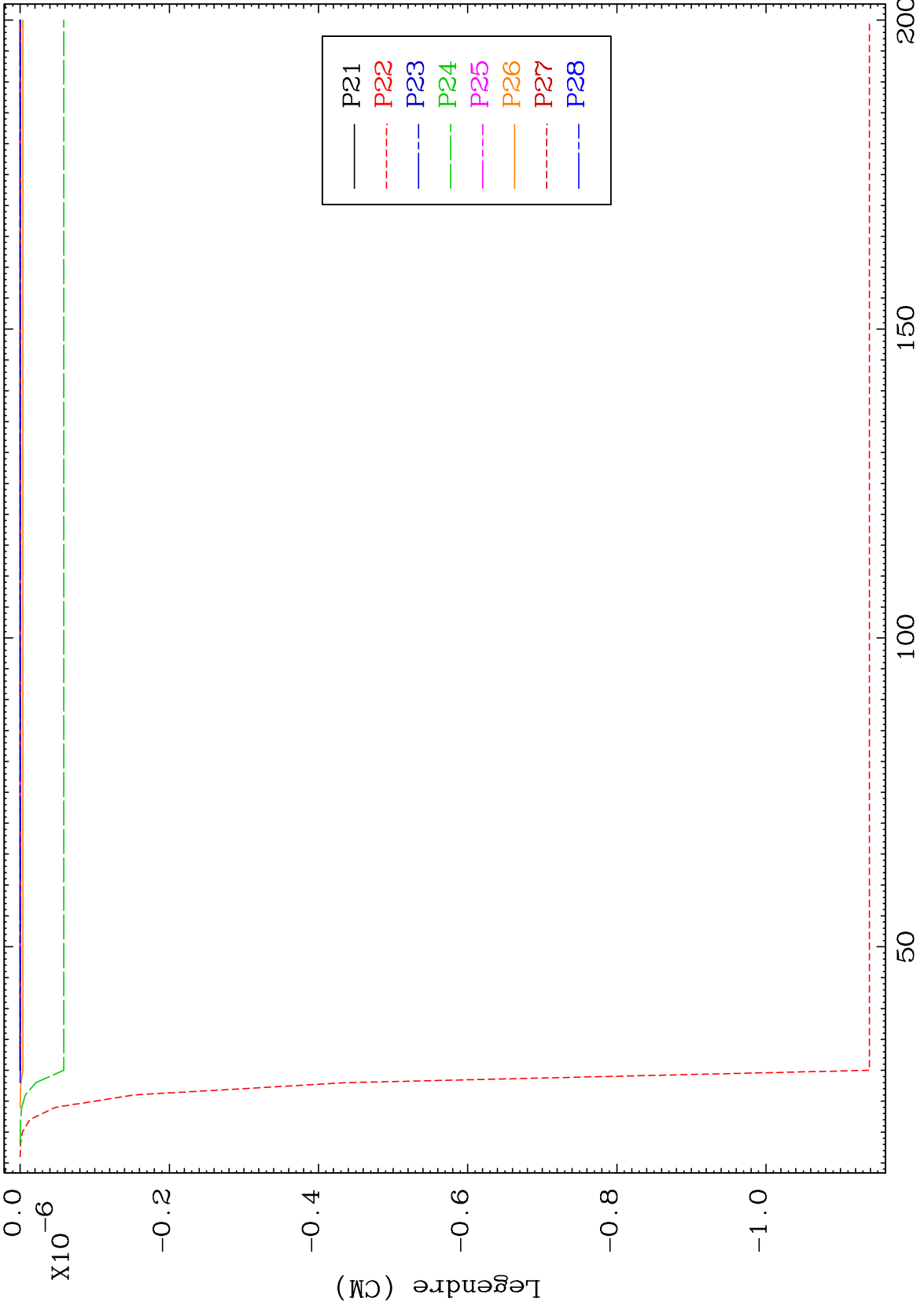




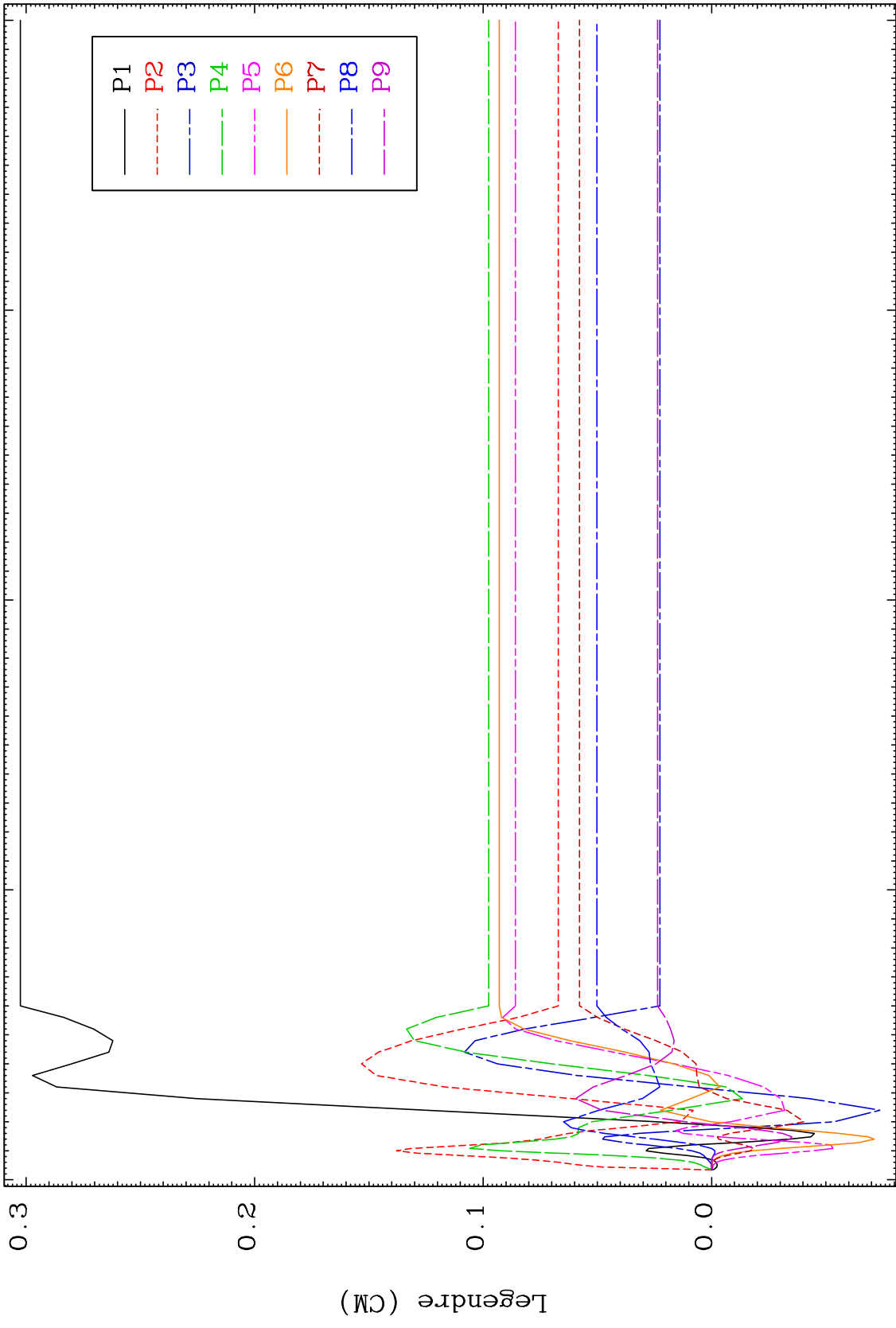
MAT 7001 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-160



MAT 7001 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-160

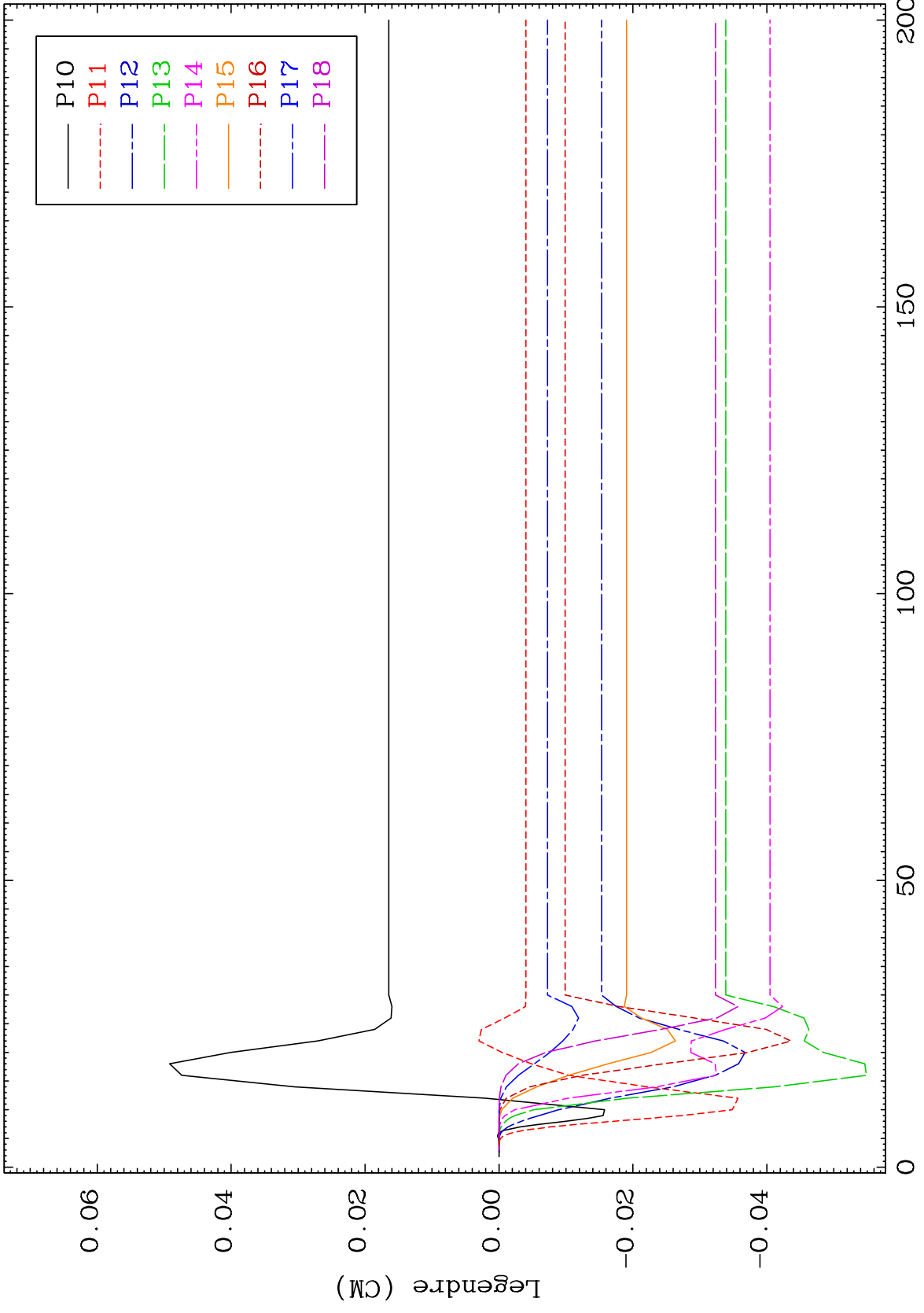


MAT 7001 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-160



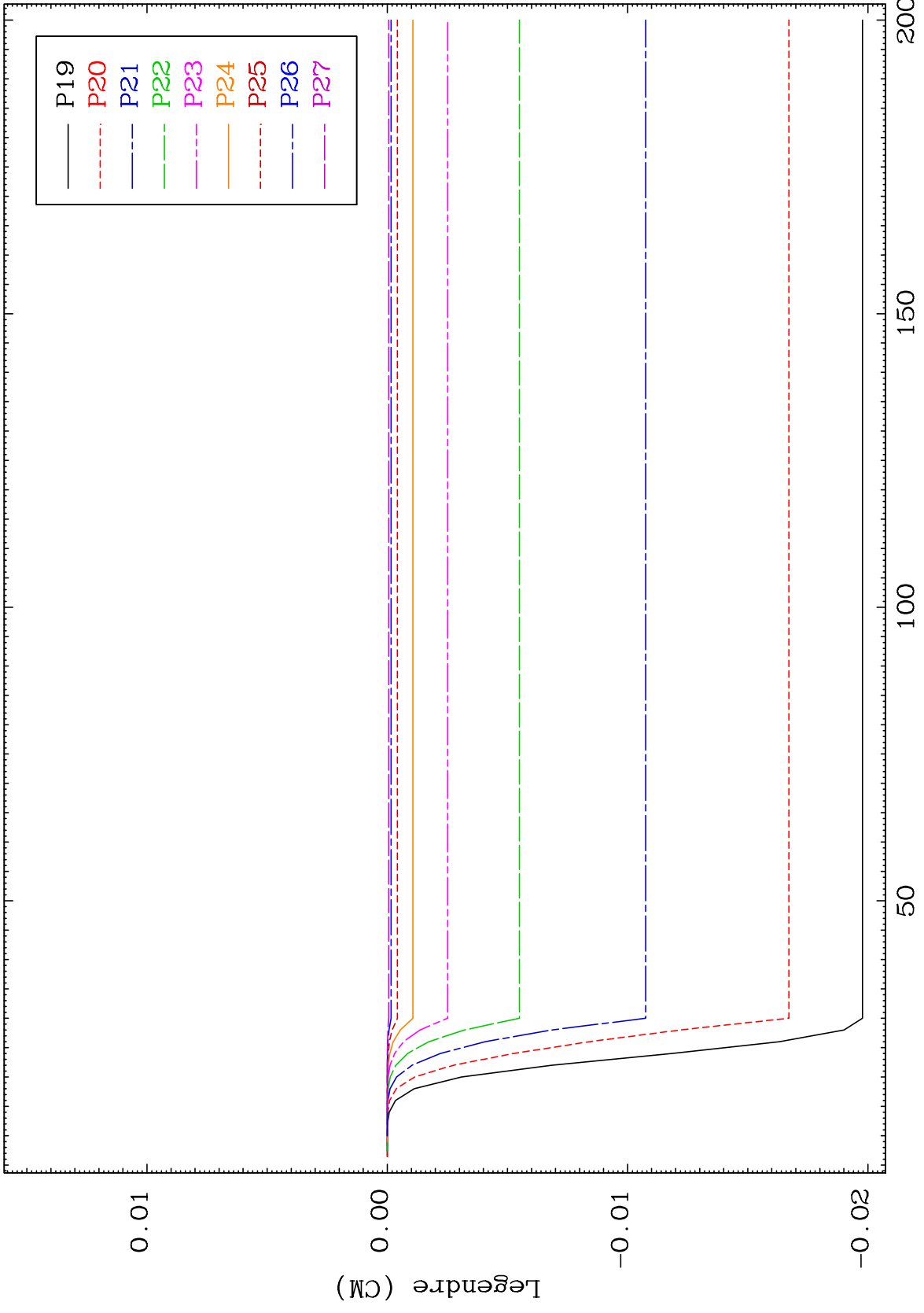
70-Yb-160 Incident Energy (MeV)

MAT 7001 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-160



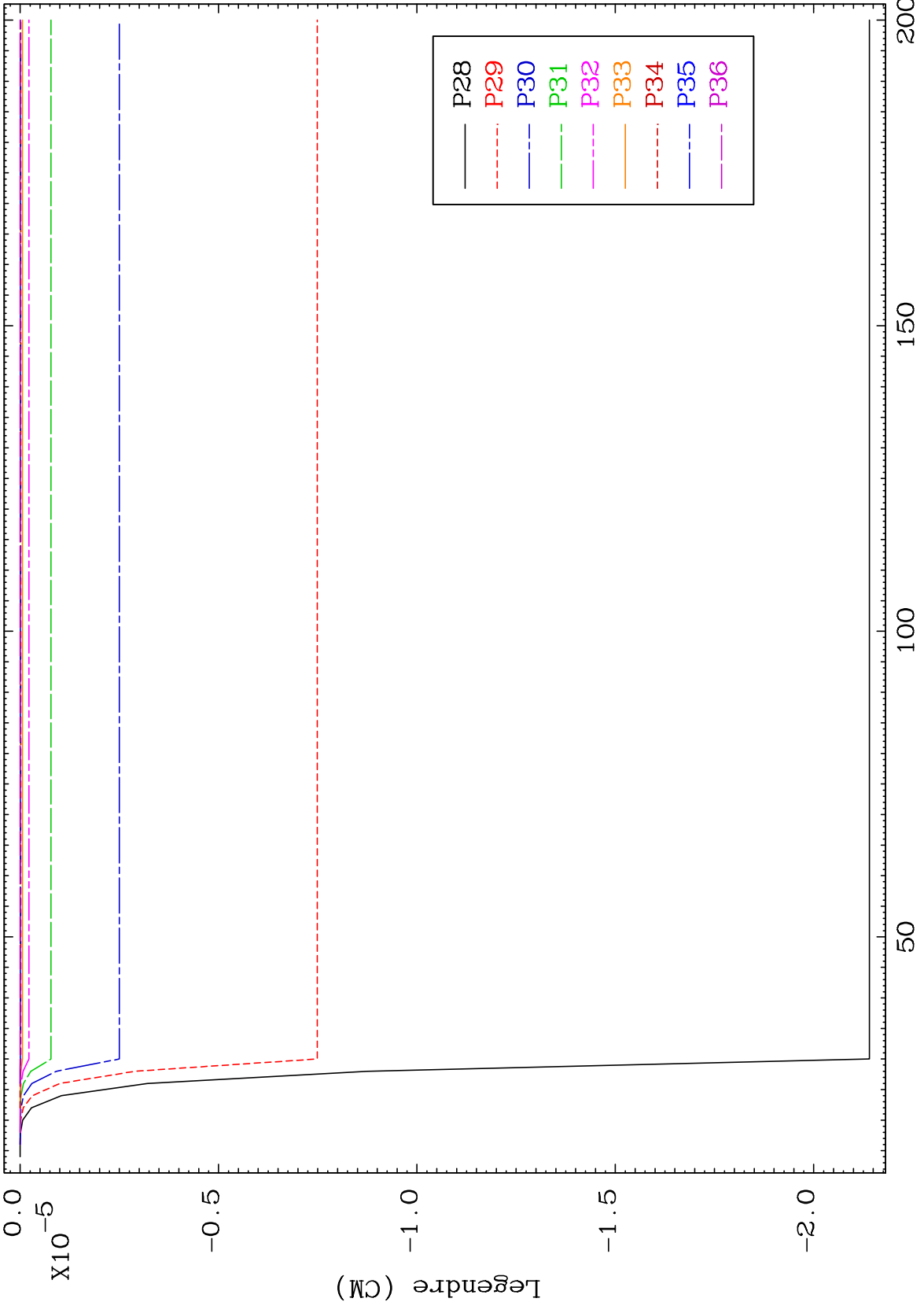
71 Incident Energy (MeV) 70-Yb-160

MAT 7001 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-160



72 70-Yb-160

MAT 7001 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-160



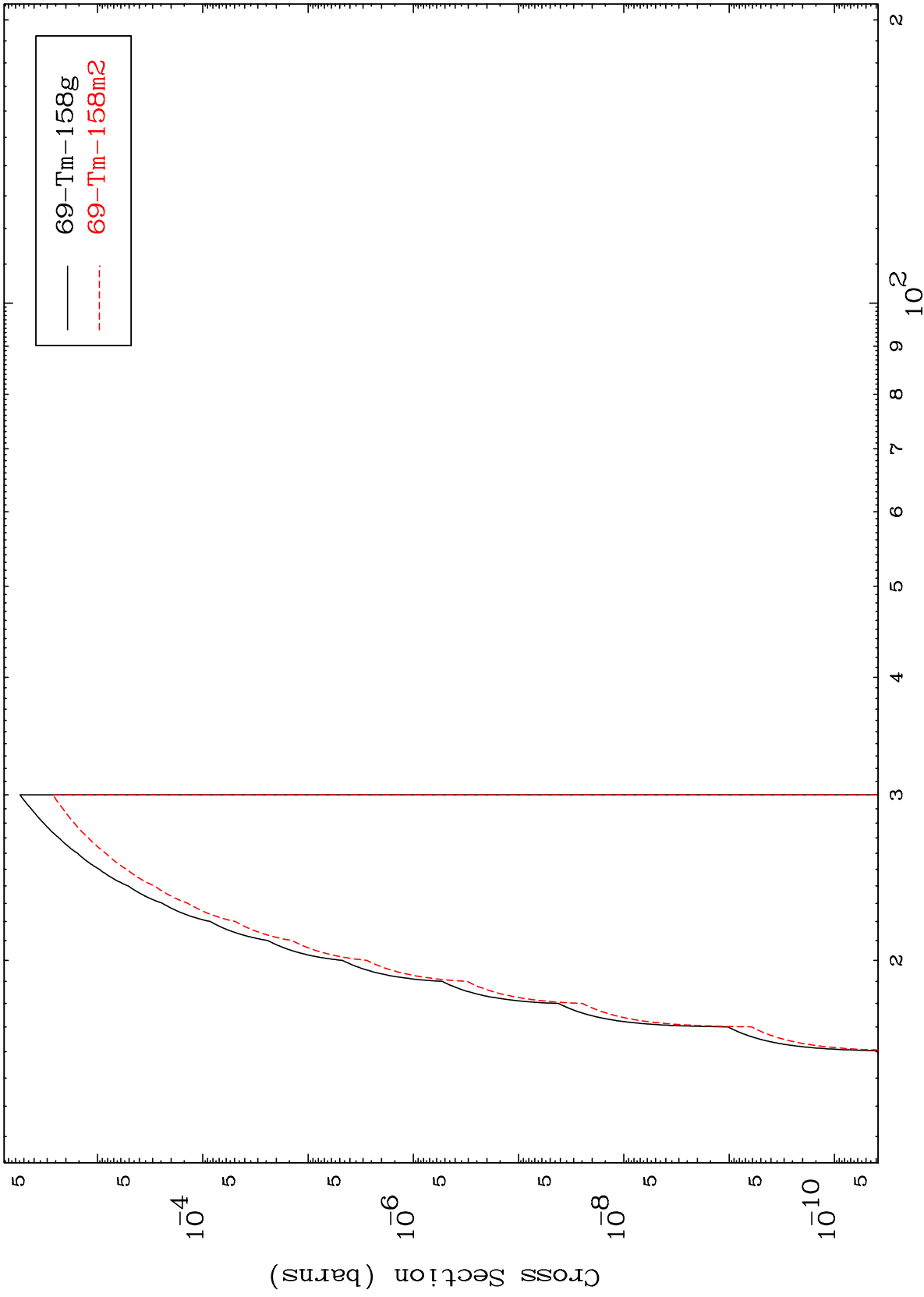
73 Incident Energy (MeV) 70-Yb-160

MAT 7001

(n, n') d

70-Yb-160

Radionuclide Production Cross Section



74

Incident Energy (MeV)

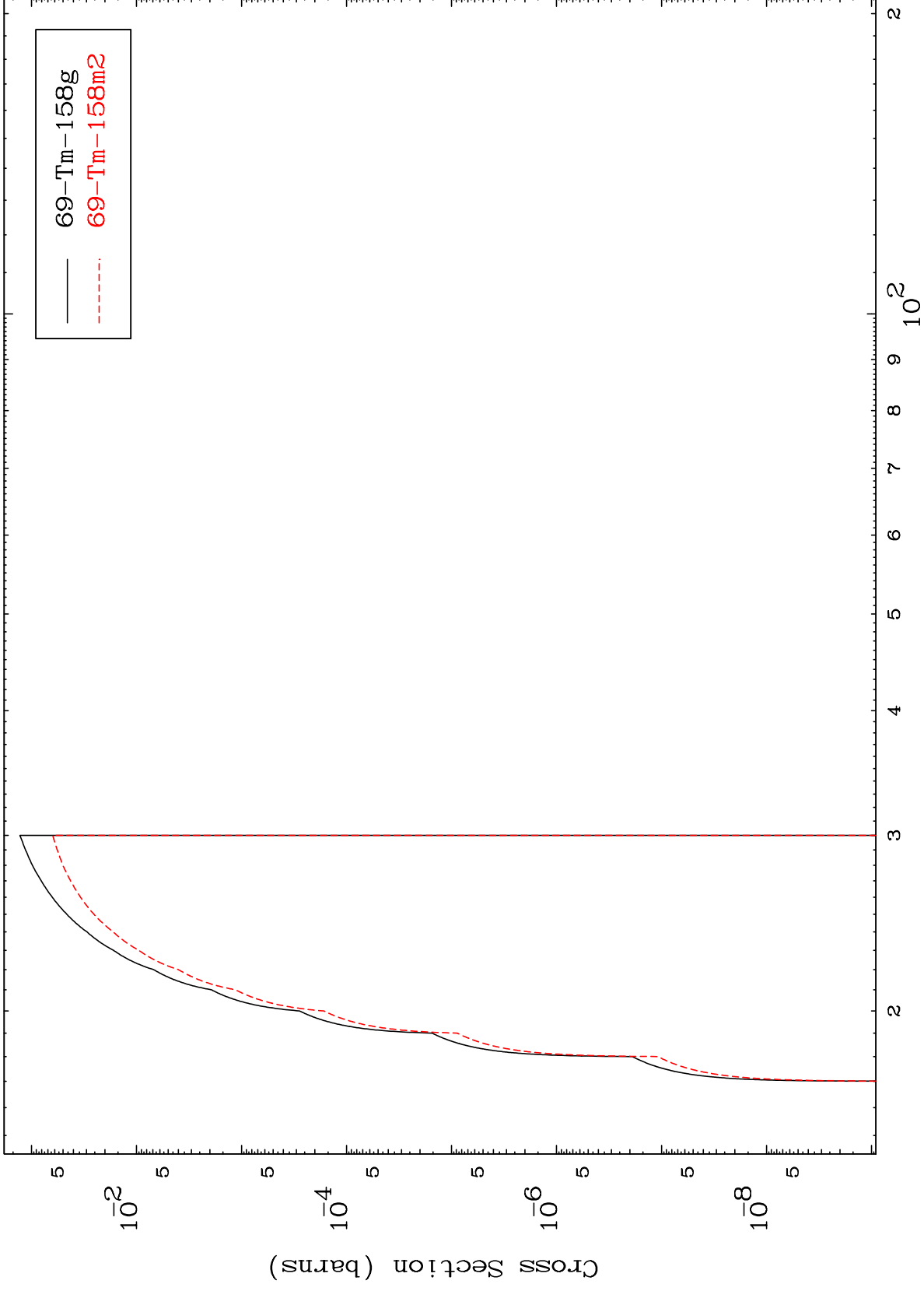
70-Yb-160

MAT 7001

(n,2n) p

70-Yb-160

Radionuclide Production Cross Section



75

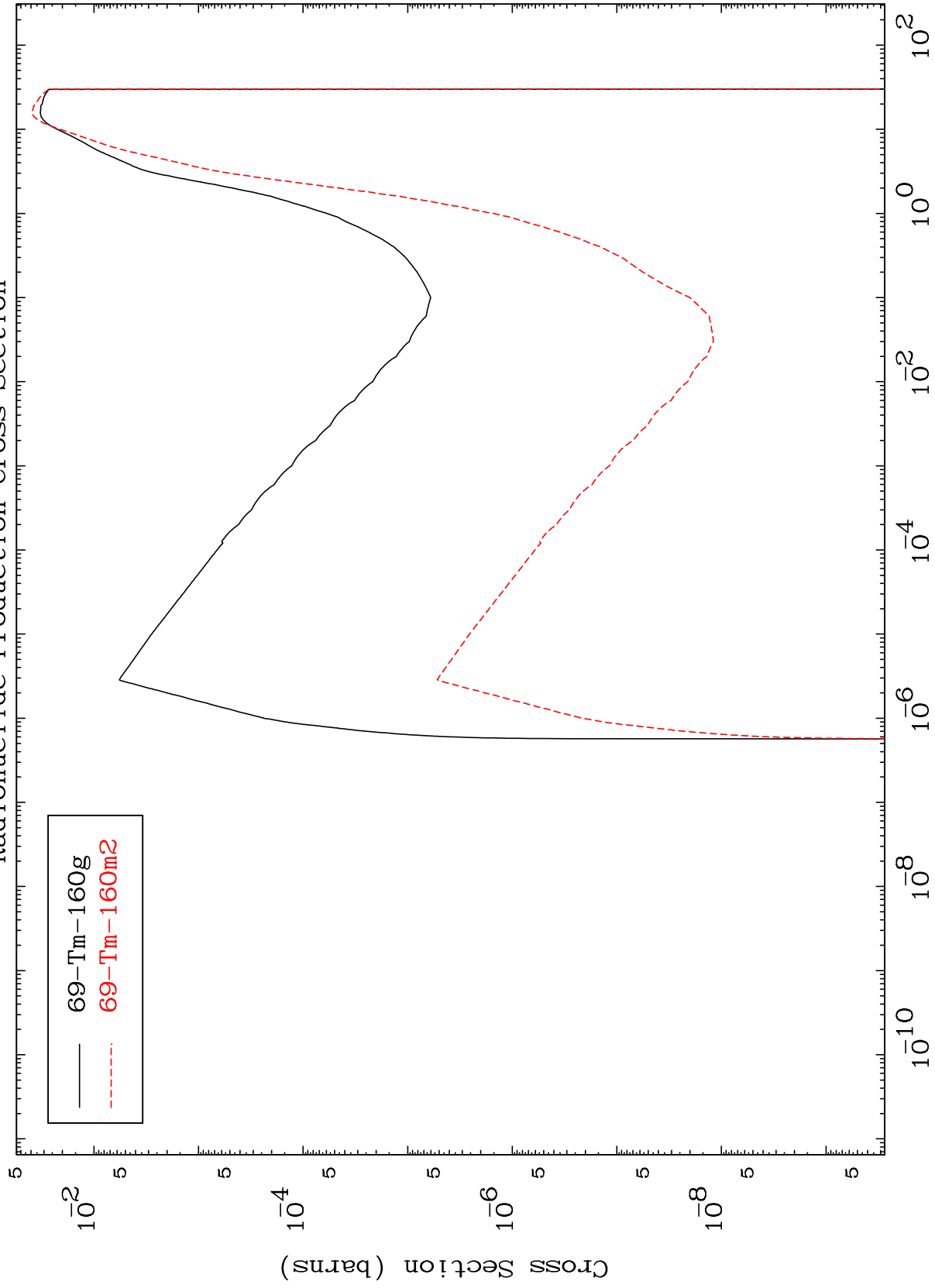
Incident Energy (MeV)

70-Yb-160

MAT 7001

Radionuclide Production Cross Section
(n,p)

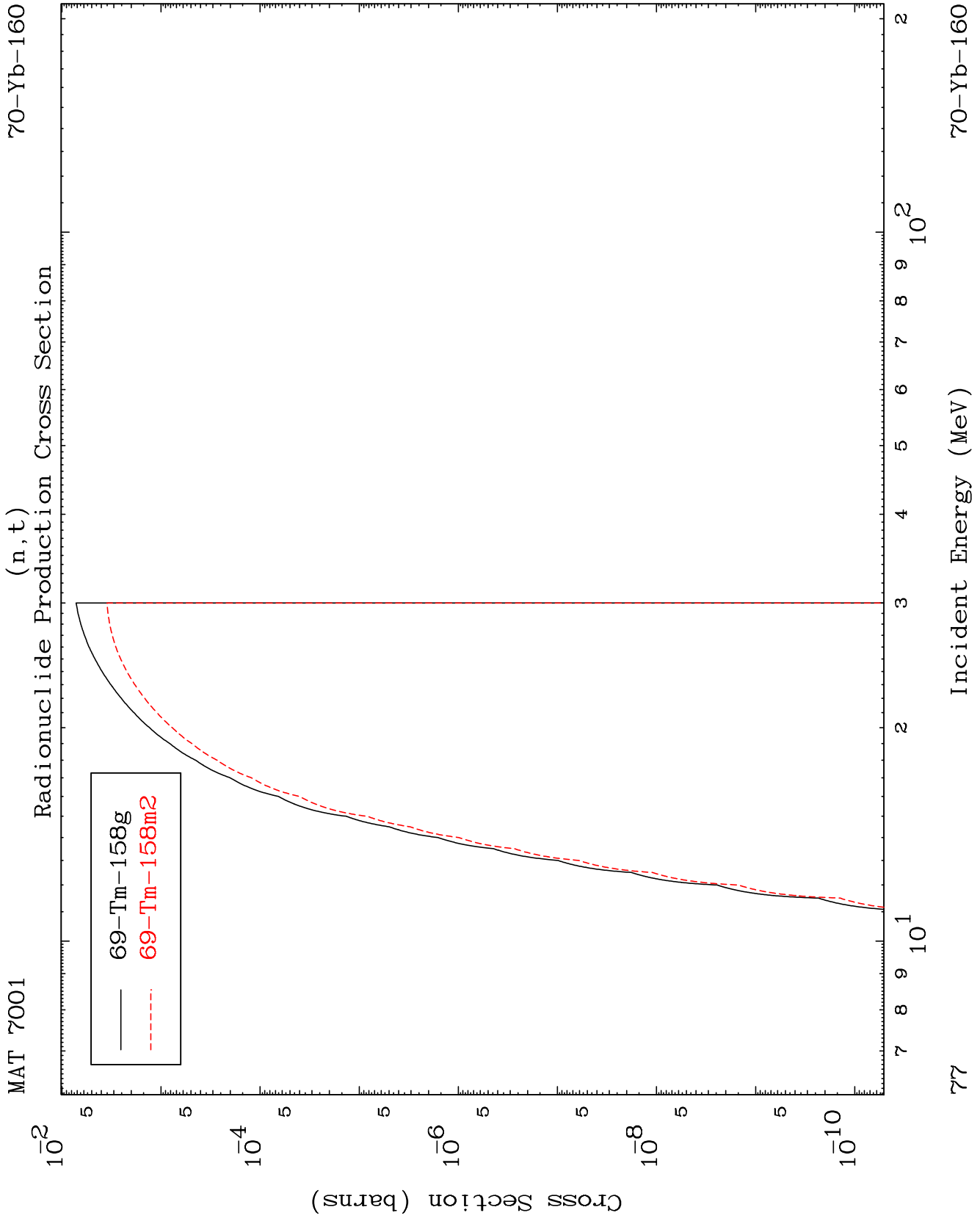
70-Yb-160



76

Incident Energy (MeV)

70-Yb-160

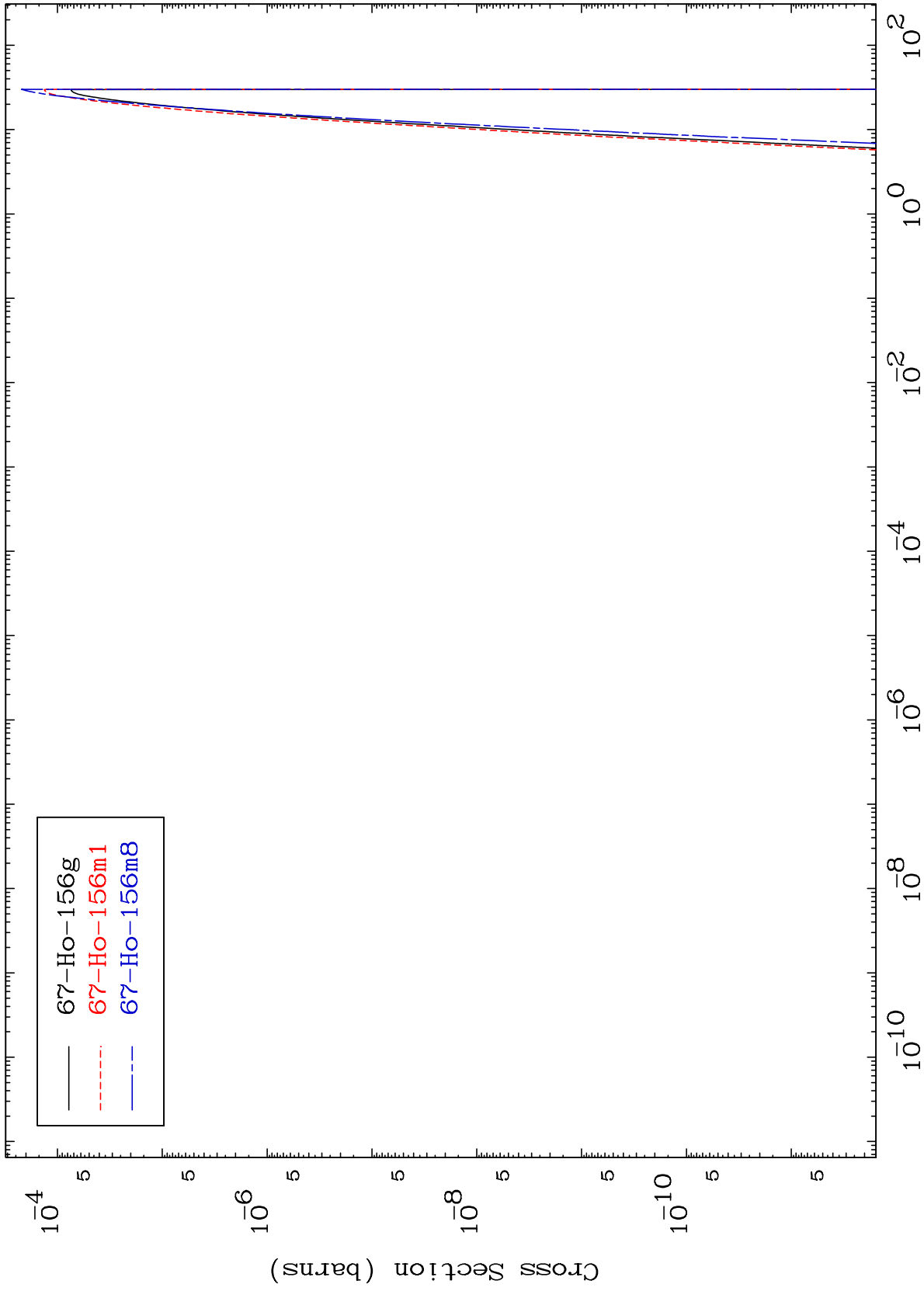


MAT 7001

(n,p) α

70-Yb-160

Radionuclide Production Cross Section



78

Incident Energy (MeV)

70-Yb-160