

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

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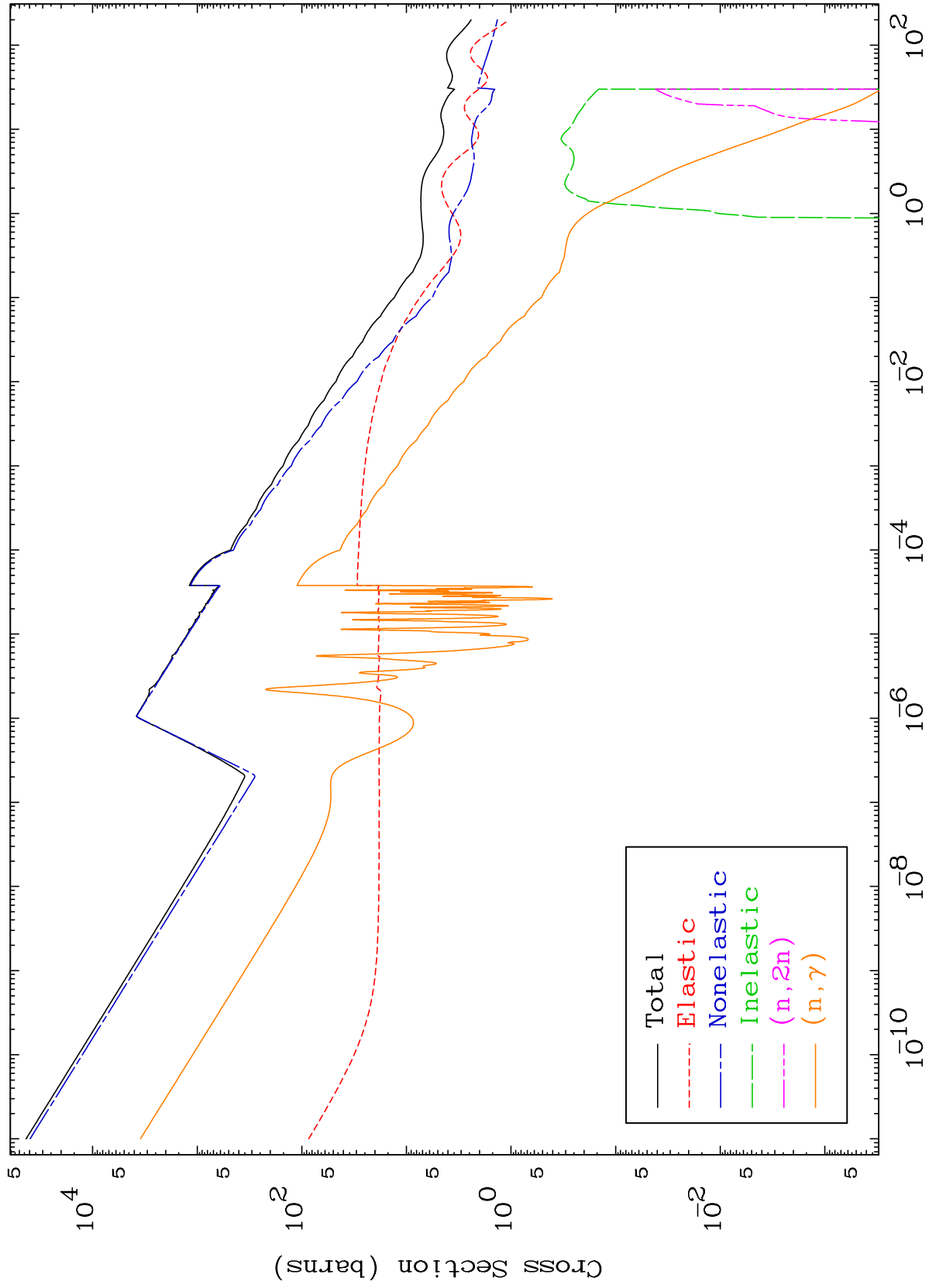
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6974

Neutron Major
293 Kelvin Cross Sections

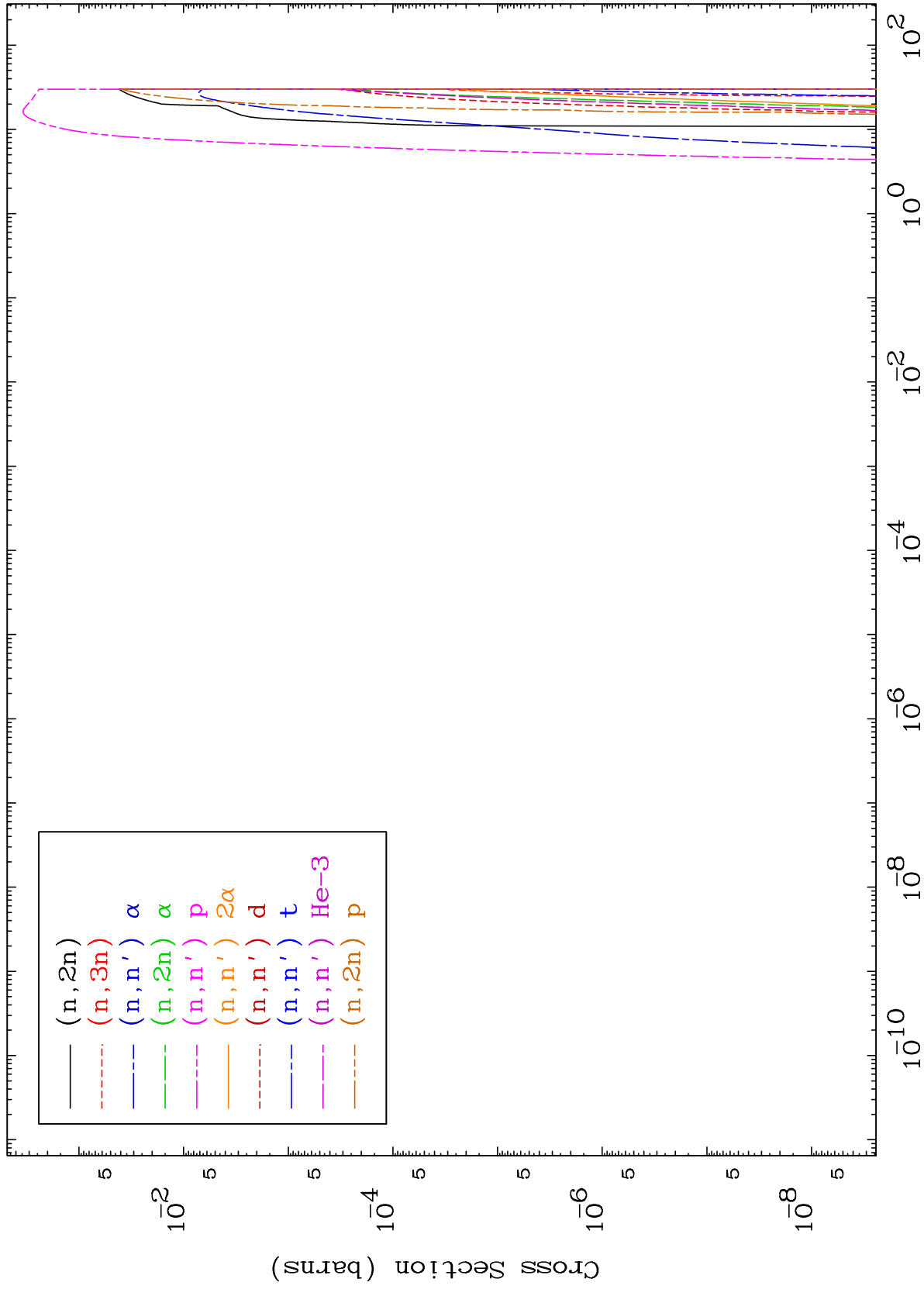
70-Yb-151



MAT 6974

Neutron Absorption
293 Kelvin Cross Sections

70-Yb-151

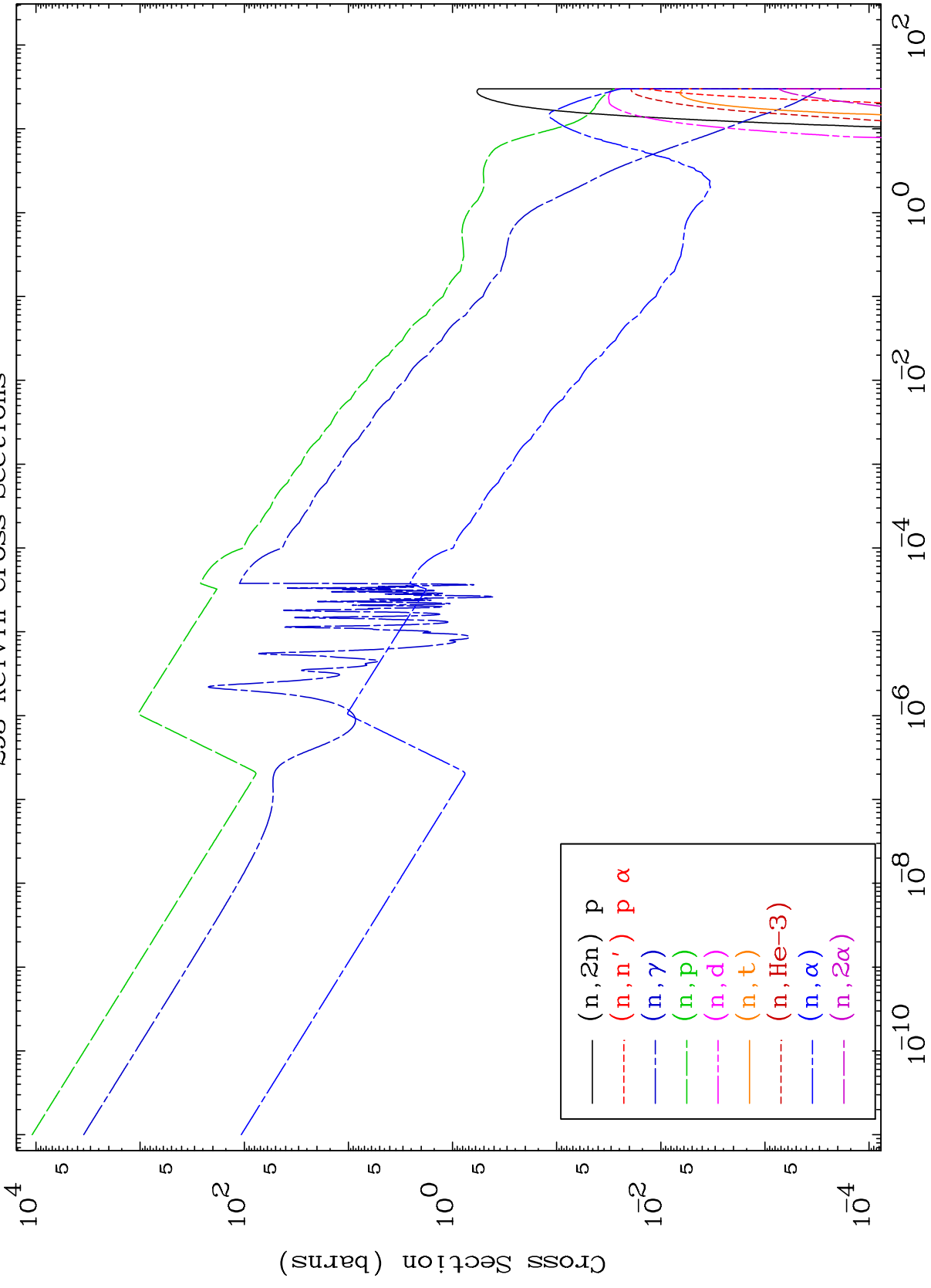


70-Yb-151

MAT 6974

Neutron Absorption
293 Kelvin Cross Sections

70-Yb-151

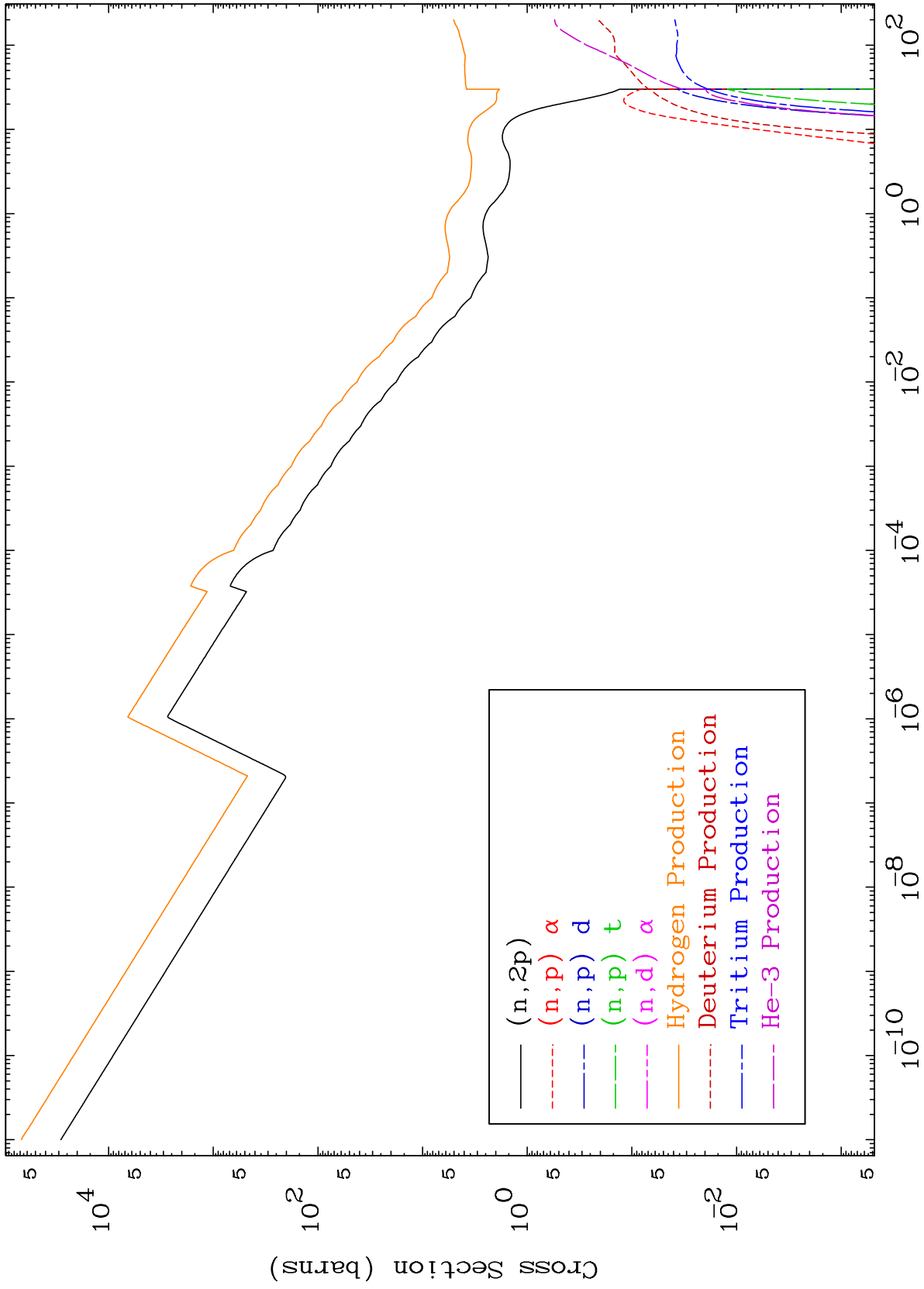


70-Yb-151

MAT 6974

Neutron Absorption
293 Kelvin Cross Sections

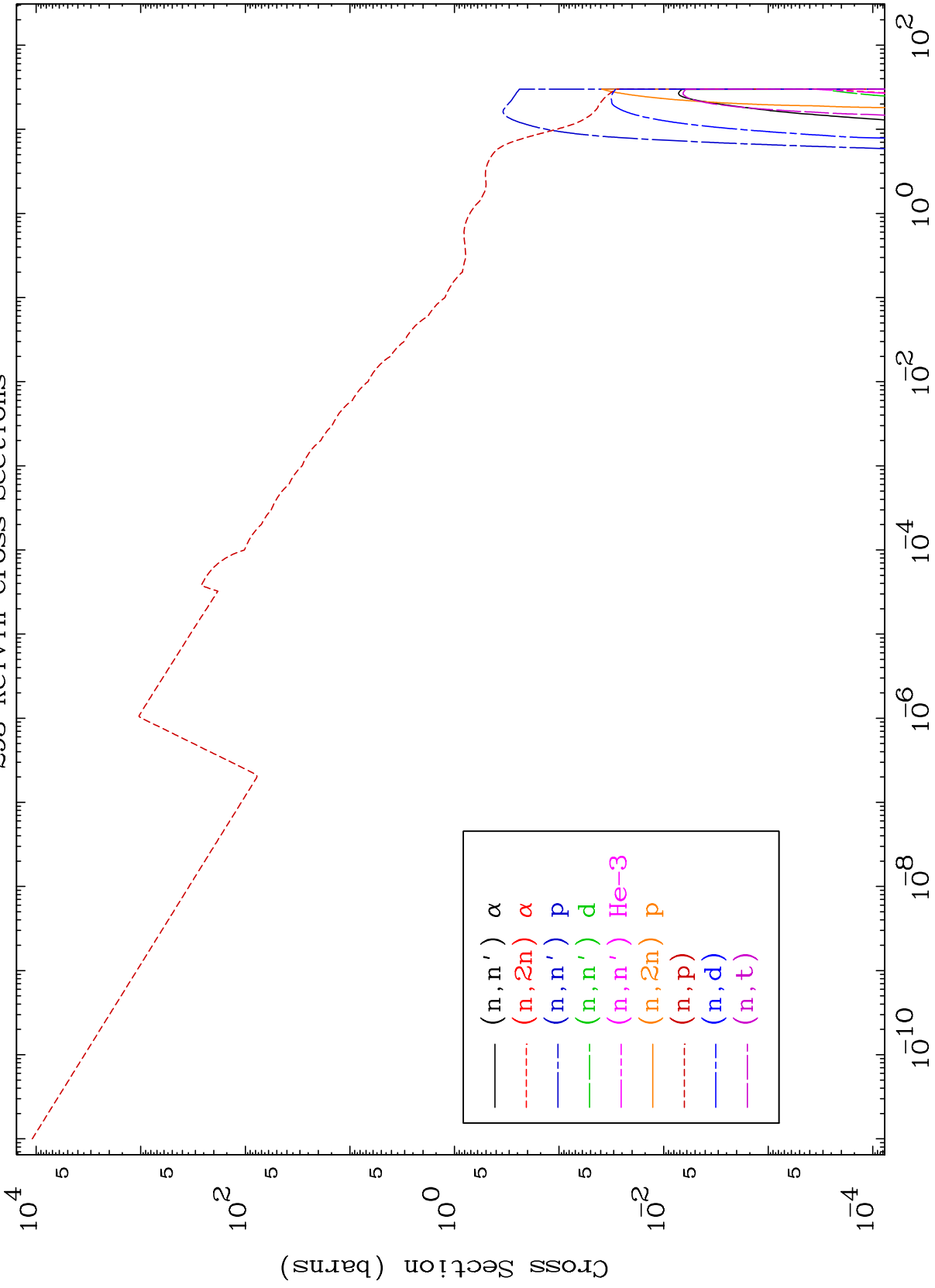
70-Yb-151



MAT 6974

Charged Particle
293 Kelvin Cross Sections

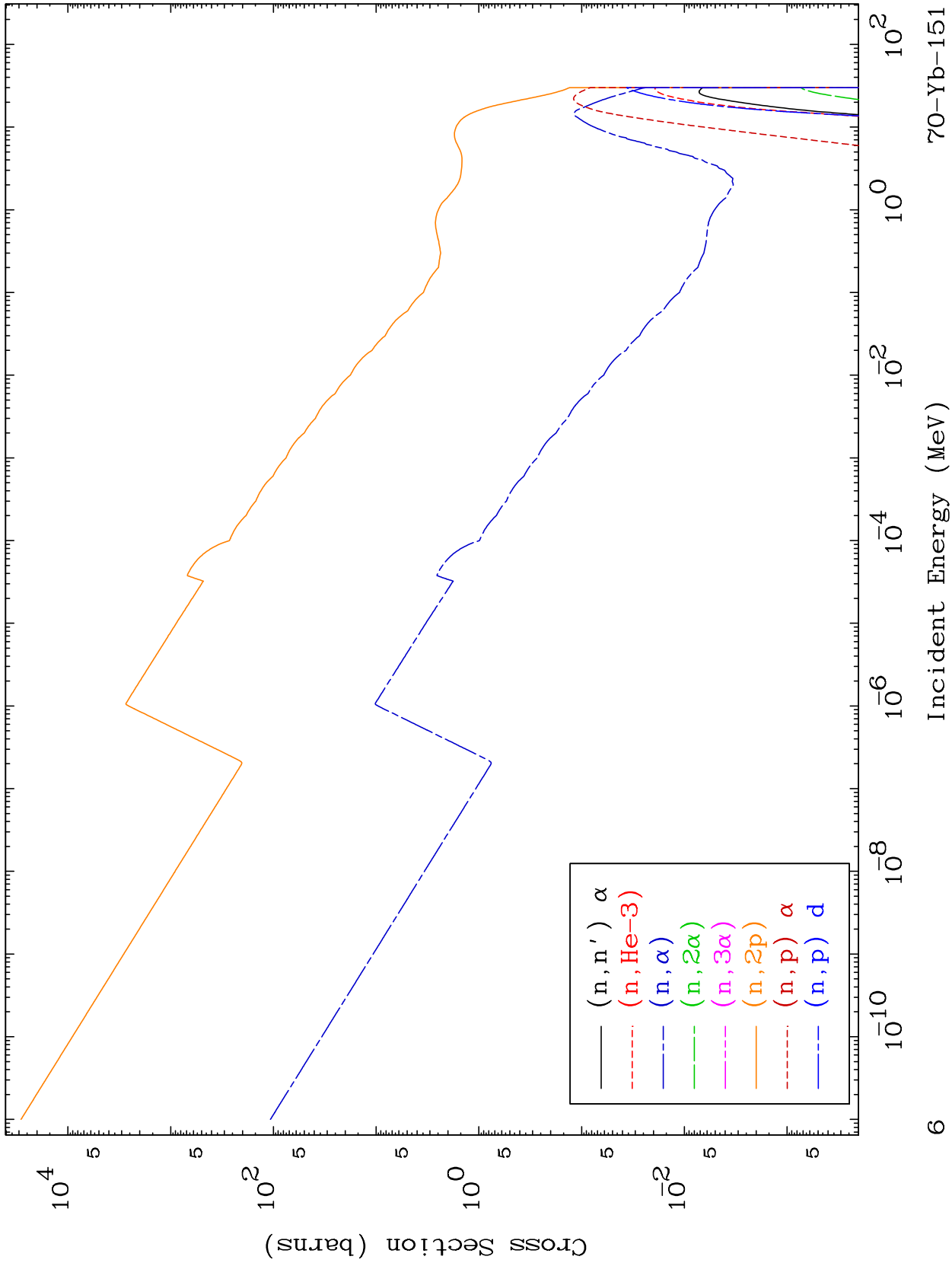
70-Yb-151



MAT 6974

Charged Particle
293 Kelvin Cross Sections

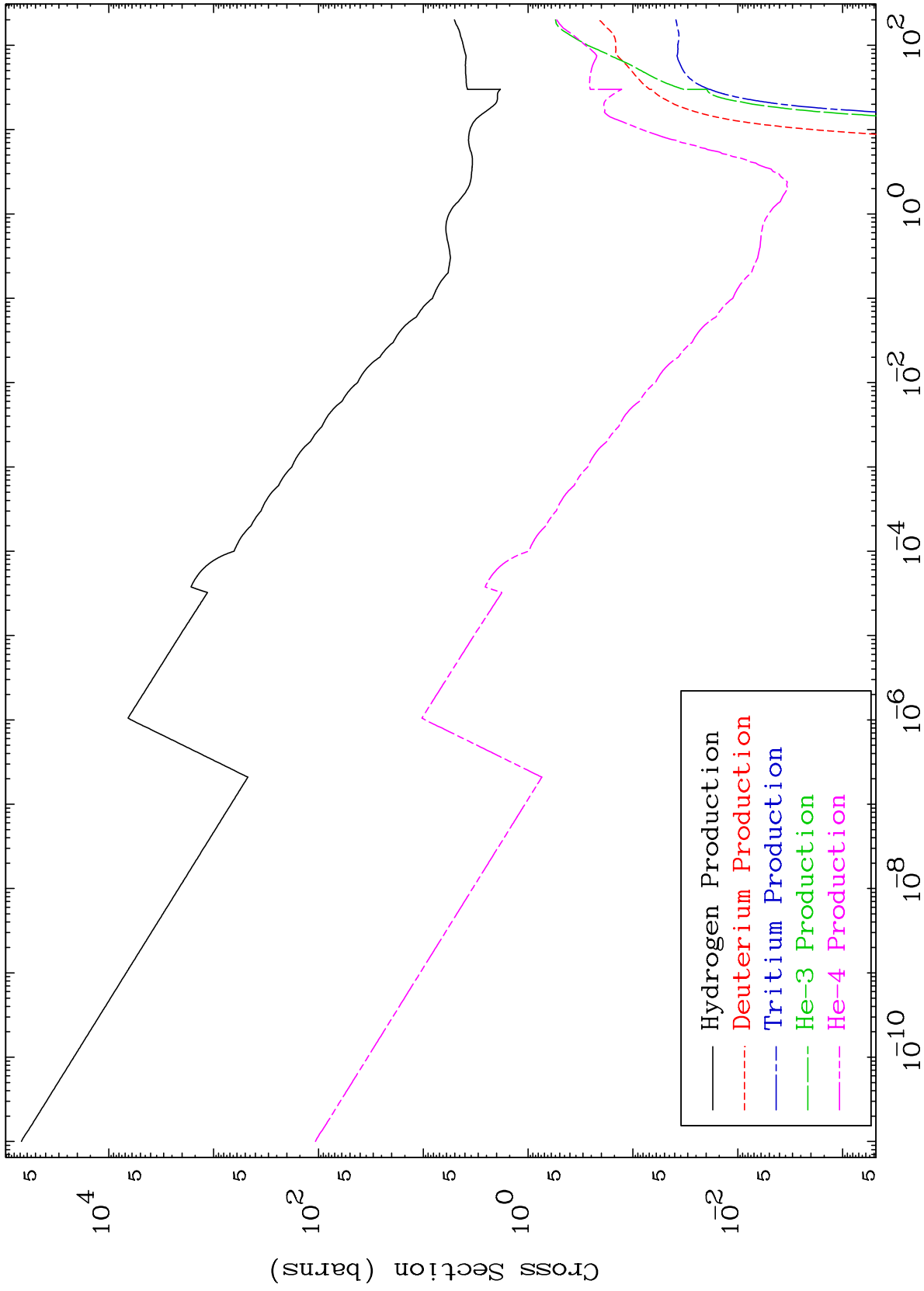
70-Yb-151



MAT 6974

Particle Production
293 Kelvin Cross Sections

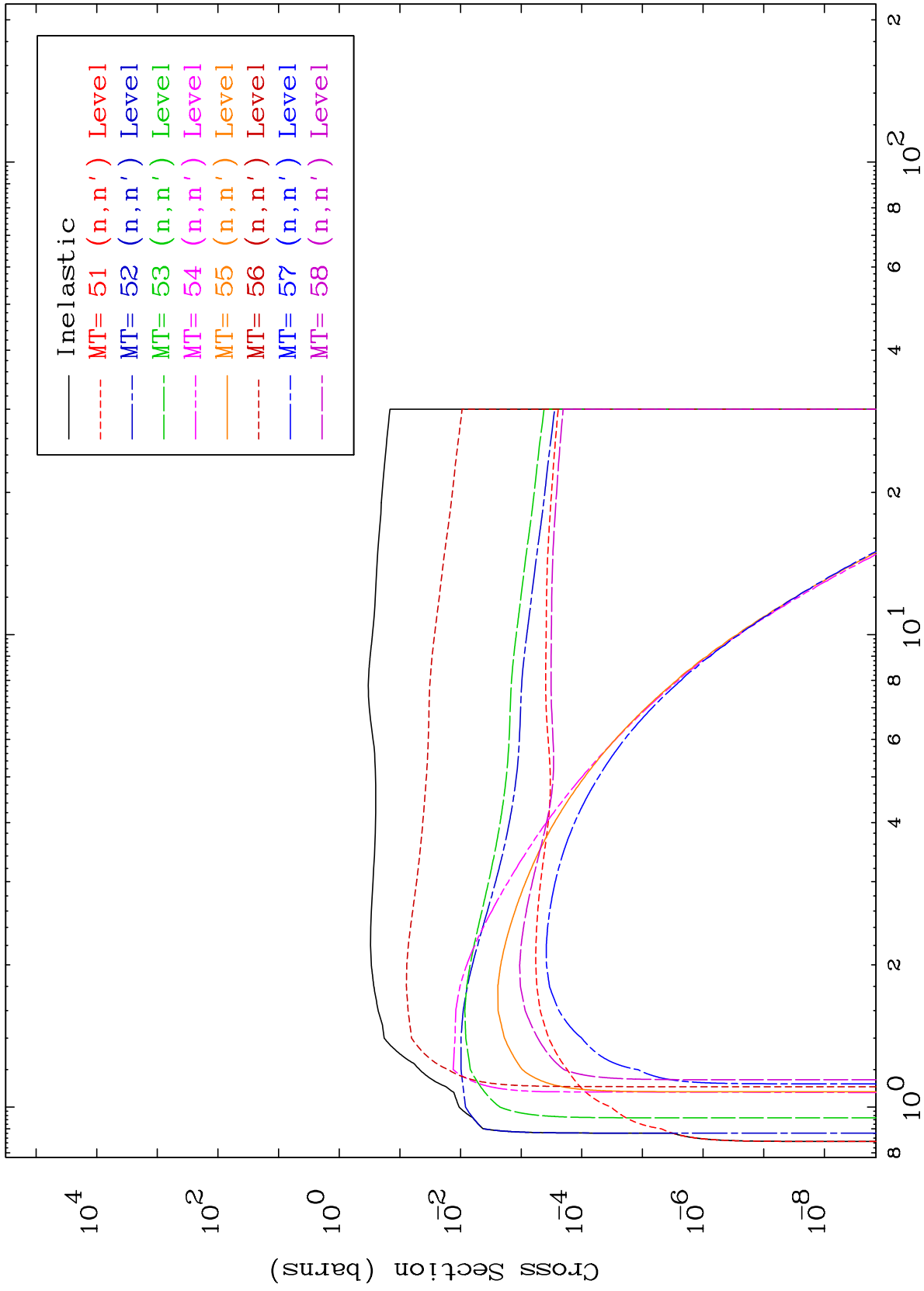
70-Yb-151



MAT 6974

(n,n') Levels
293 Kelvin Cross Sections

70-Yb-151



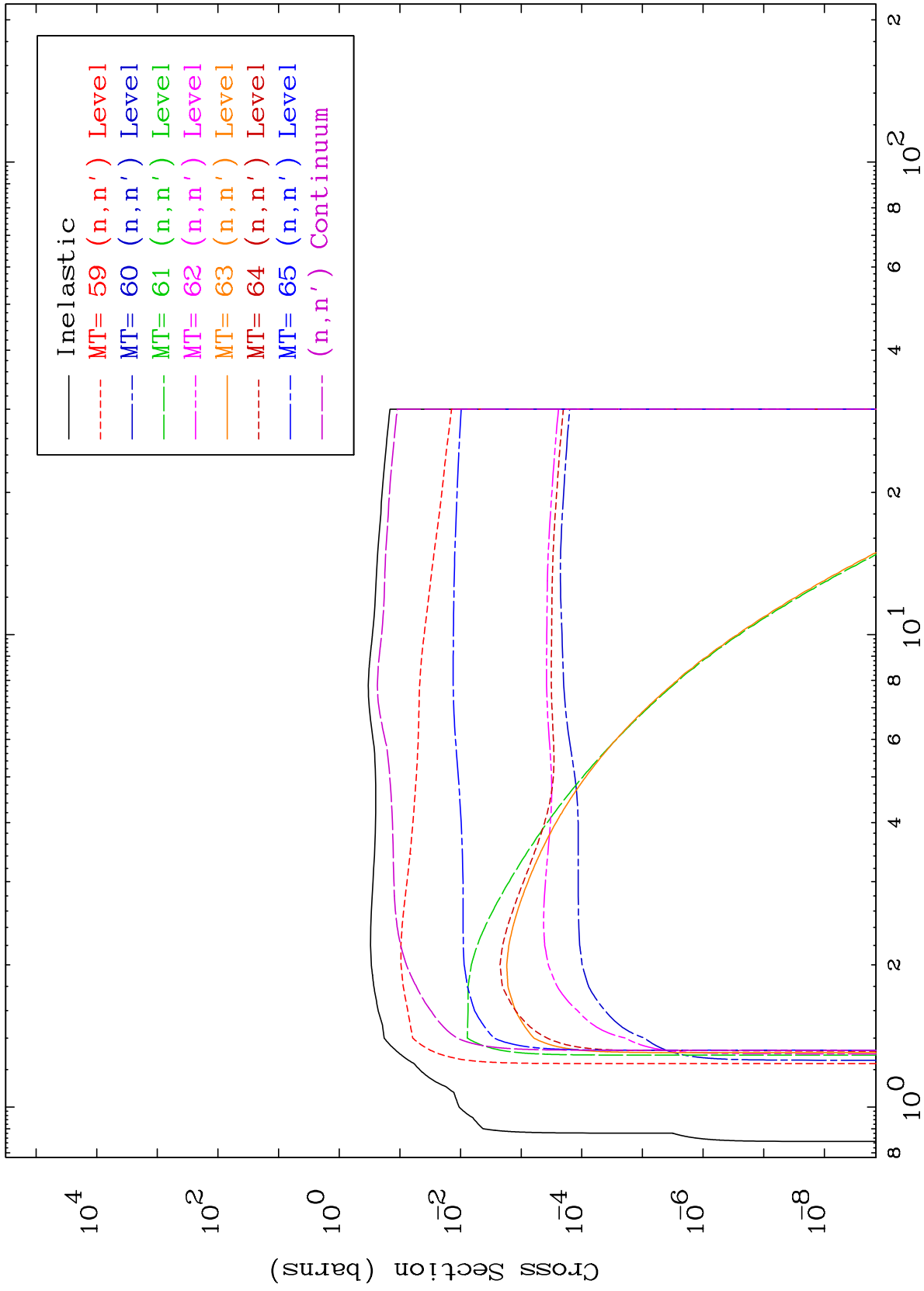
Incident Energy (MeV)

70-Yb-151

MAT 6974

(n,n') Levels
293 Kelvin Cross Sections

70-Yb-151



9

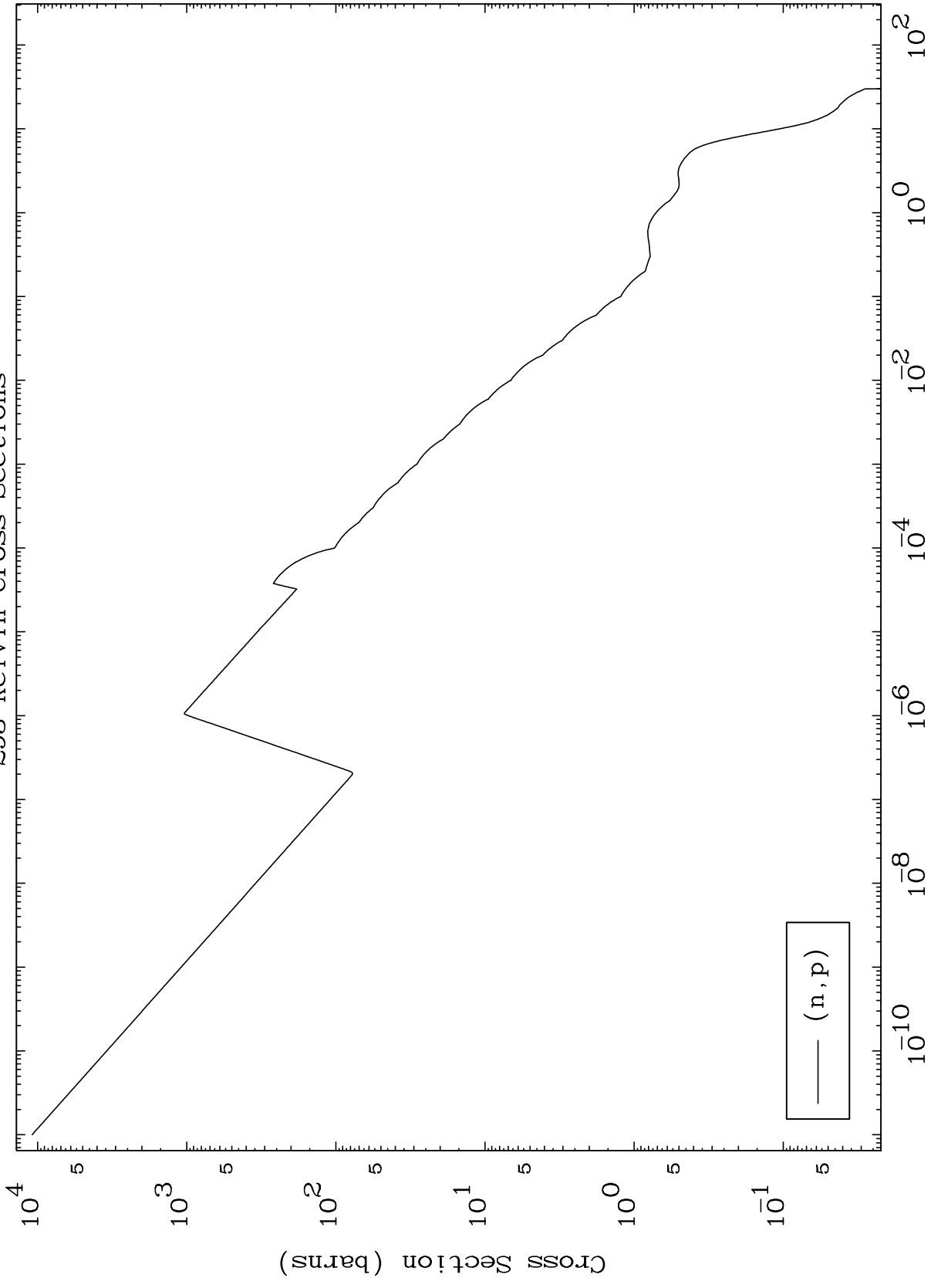
Incident Energy (MeV)

70-Yb-151

MAT 6974

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-151



10

Incident Energy (MeV)

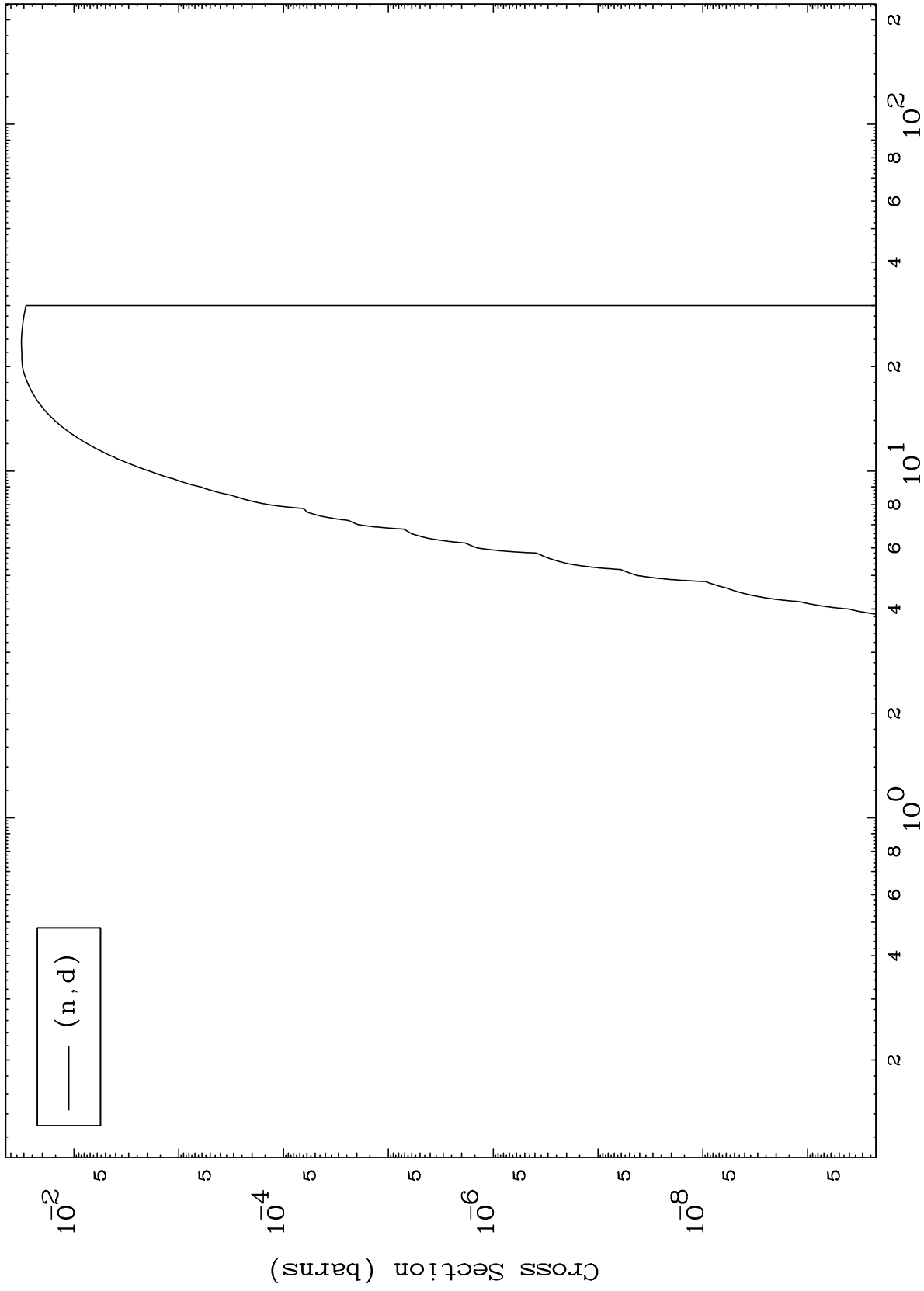
70-Yb-151

(n,p)

MAT 6974

(n,d) Levels
293 Kelvin Cross Sections

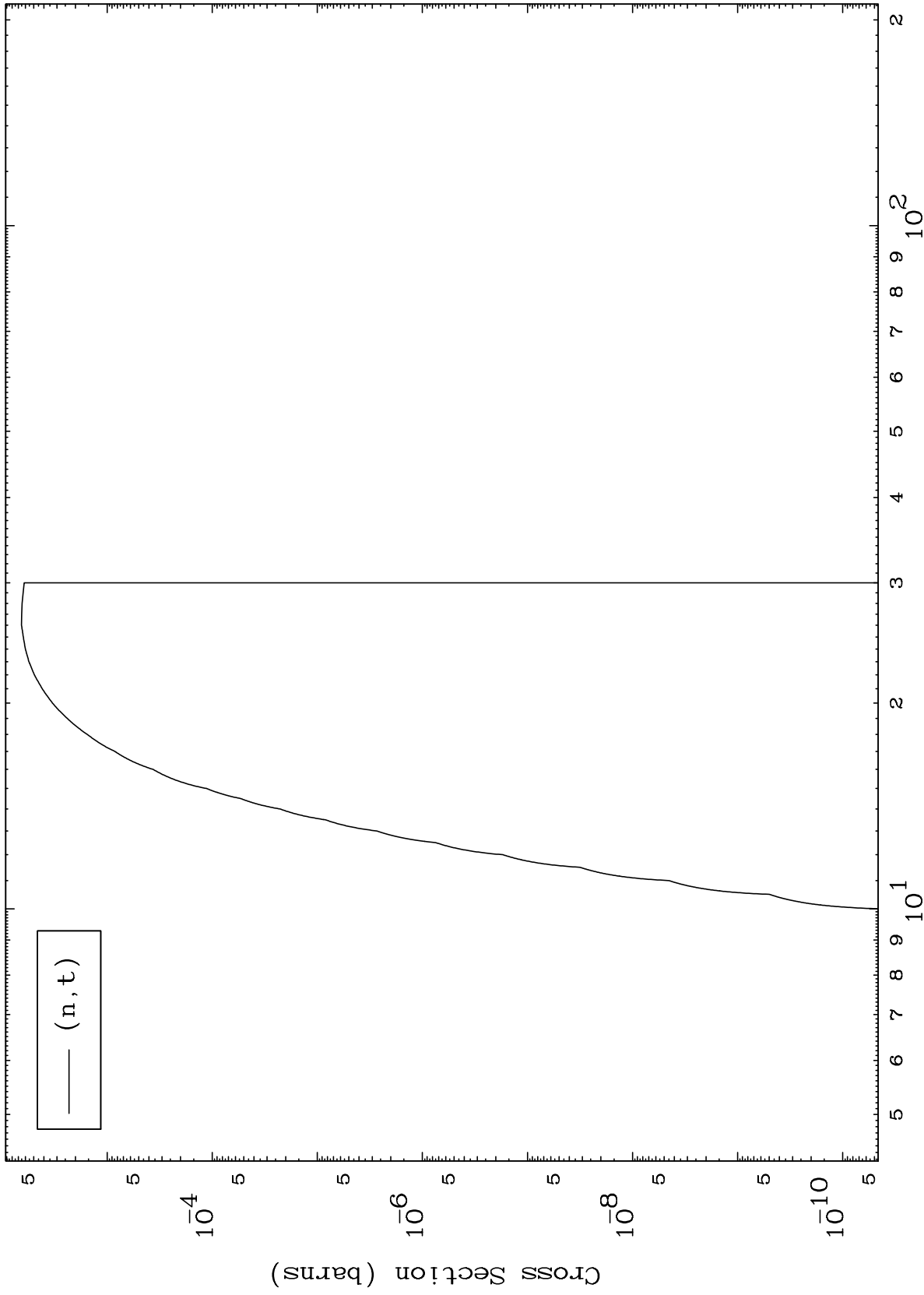
70-Yb-151



MAT 6974

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-151



12

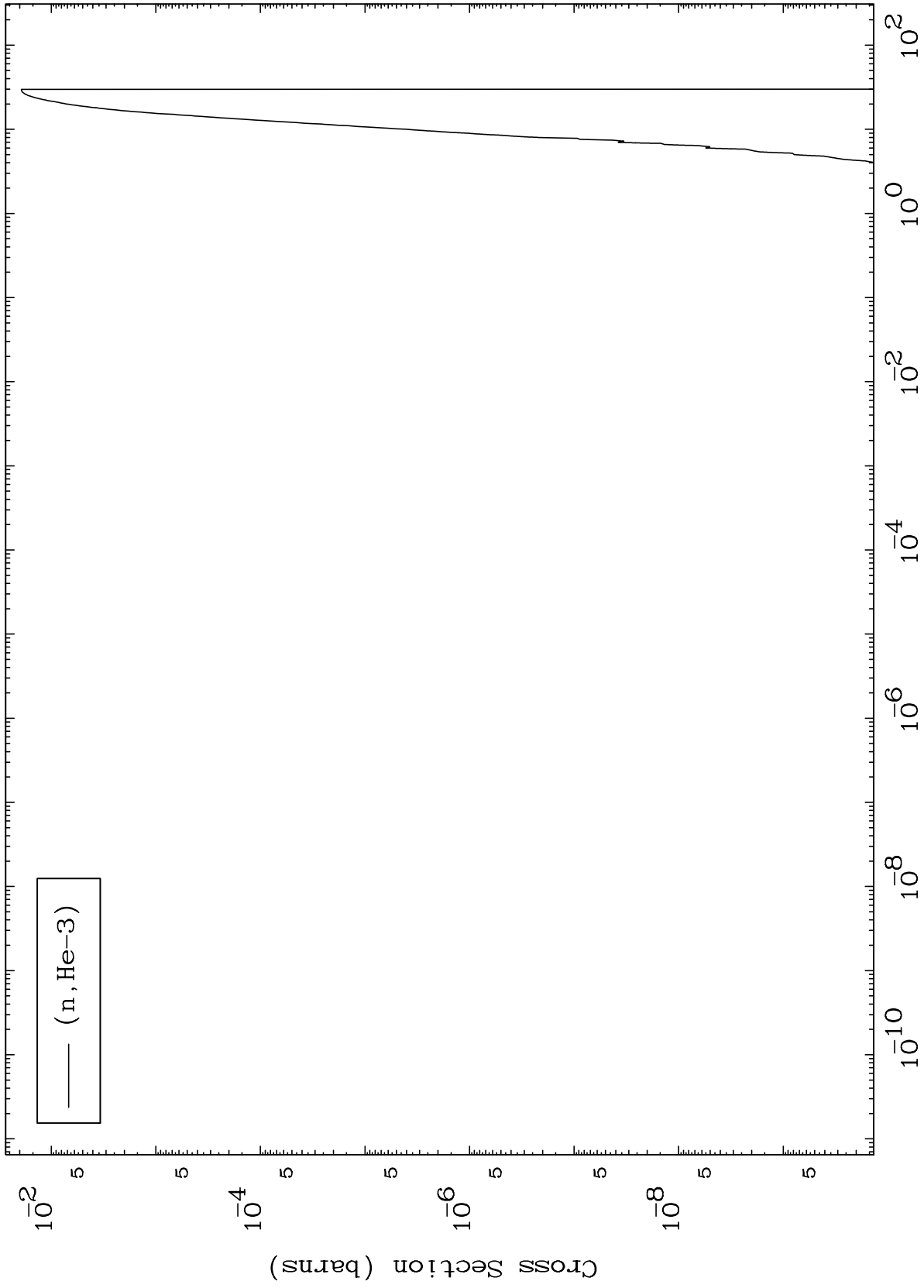
Incident Energy (MeV)

70-Yb-151

MAT 6974

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-151



13

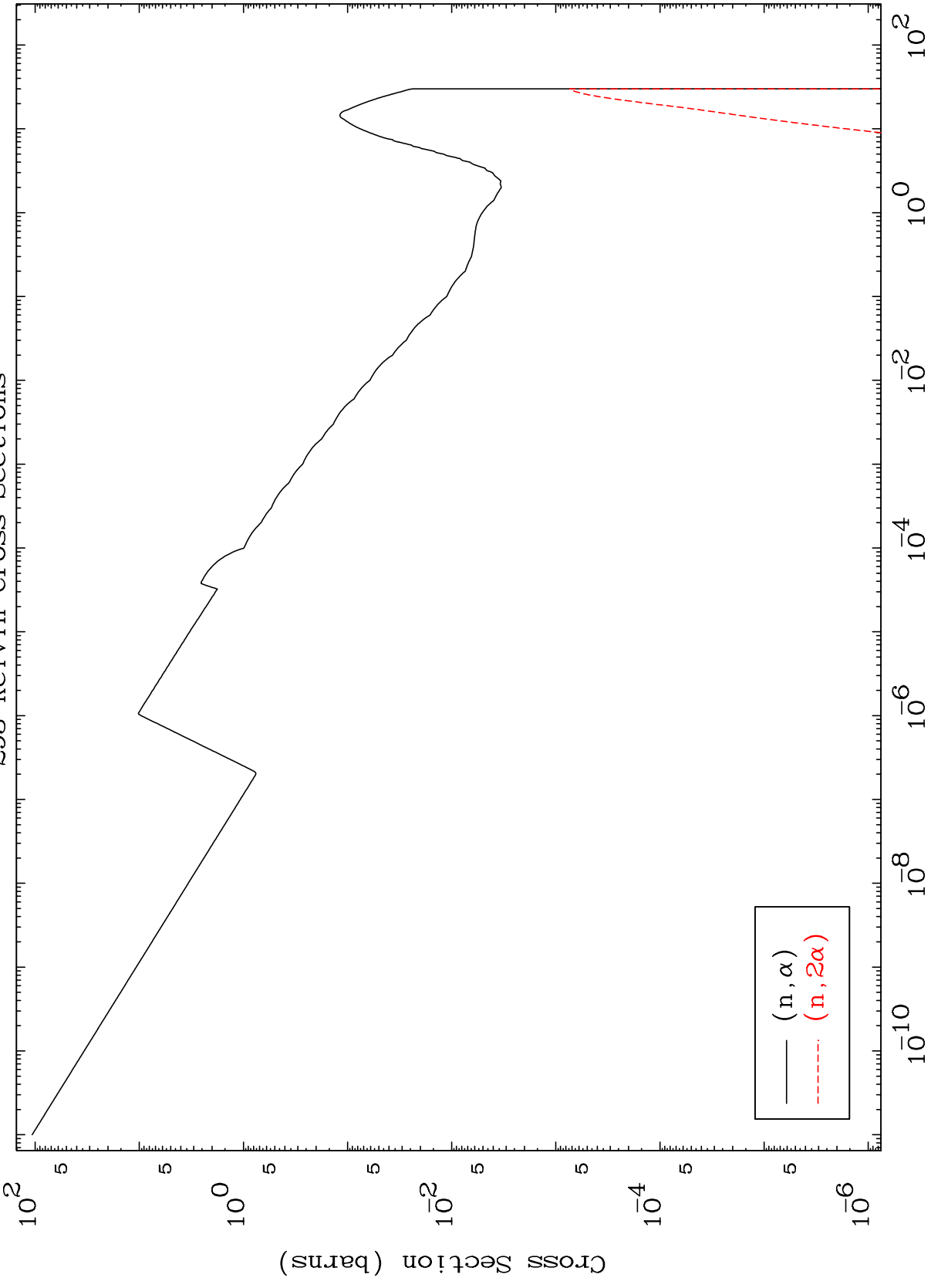
Incident Energy (MeV)

70-Yb-151

MAT 6974

(n, α) Levels
293 Kelvin Cross Sections

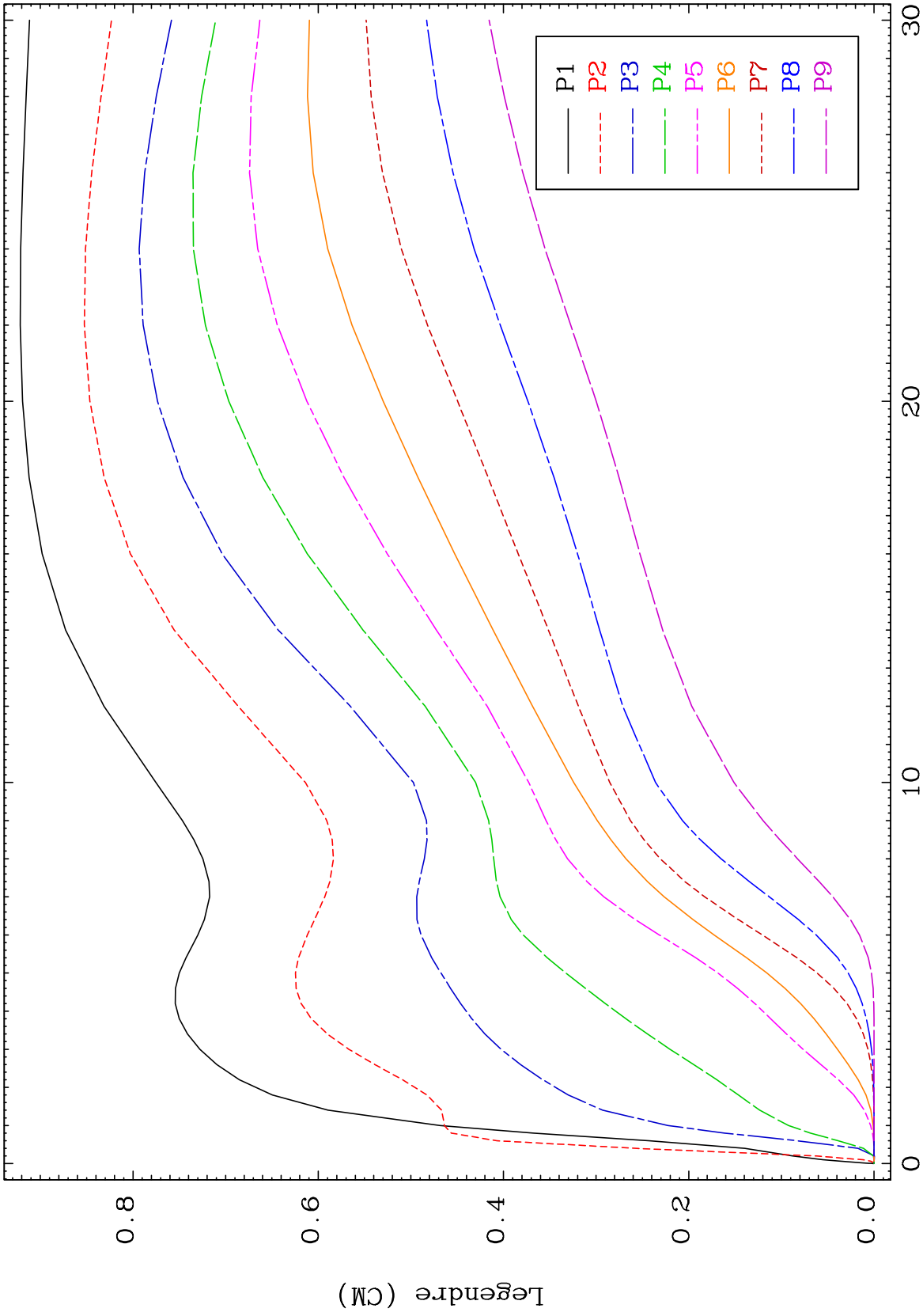
70-Yb-151



MAT 6974

Elastic Legendre Coefficients

70-Yb-151



15

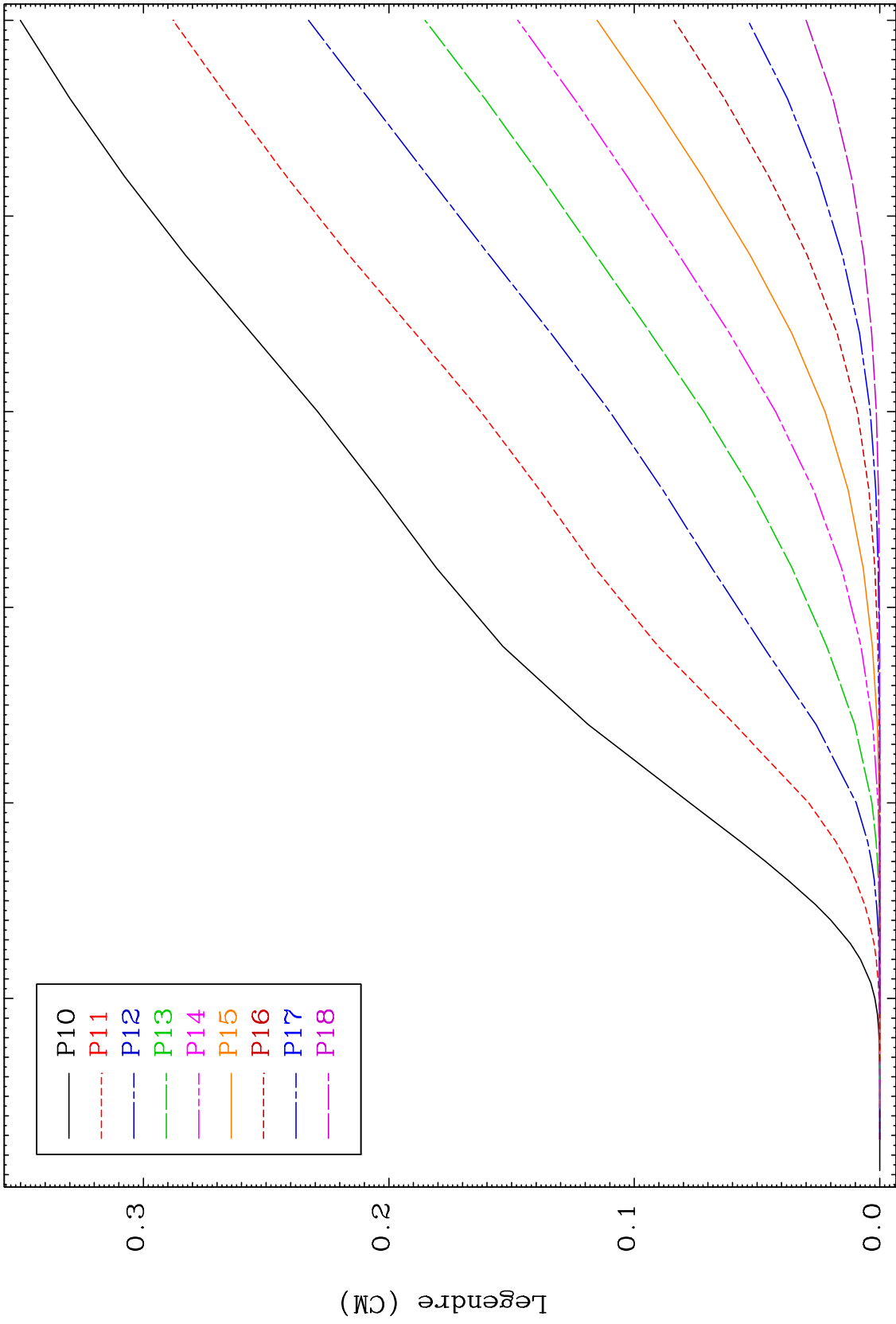
Incident Energy (MeV)

70-Yb-151

MAT 6974

Elastic Legendre Coefficients

70-Yb-151



16

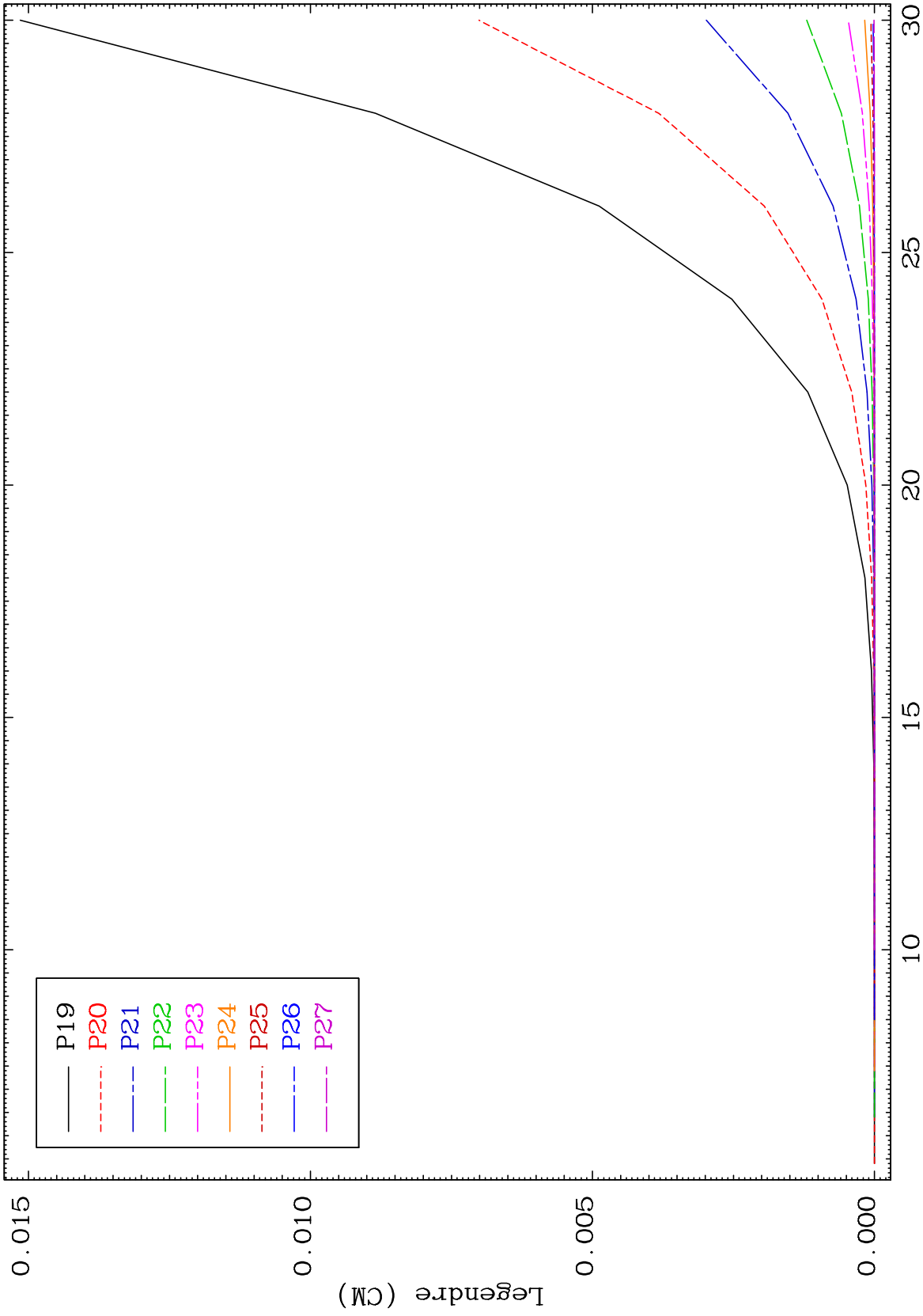
Incident Energy (MeV)

70-Yb-151

MAT 6974

Elastic Legendre Coefficients

70-Yb-151



17

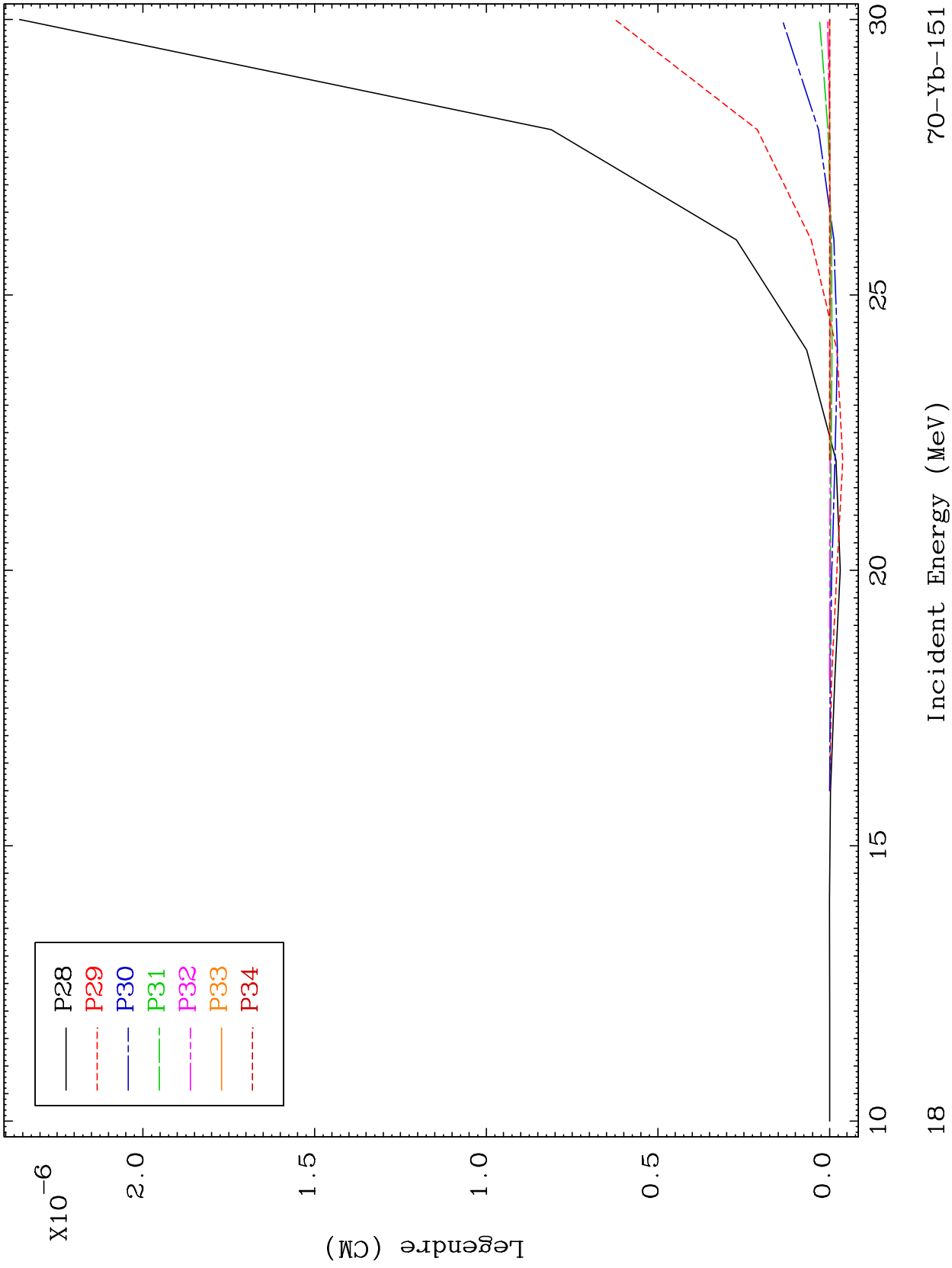
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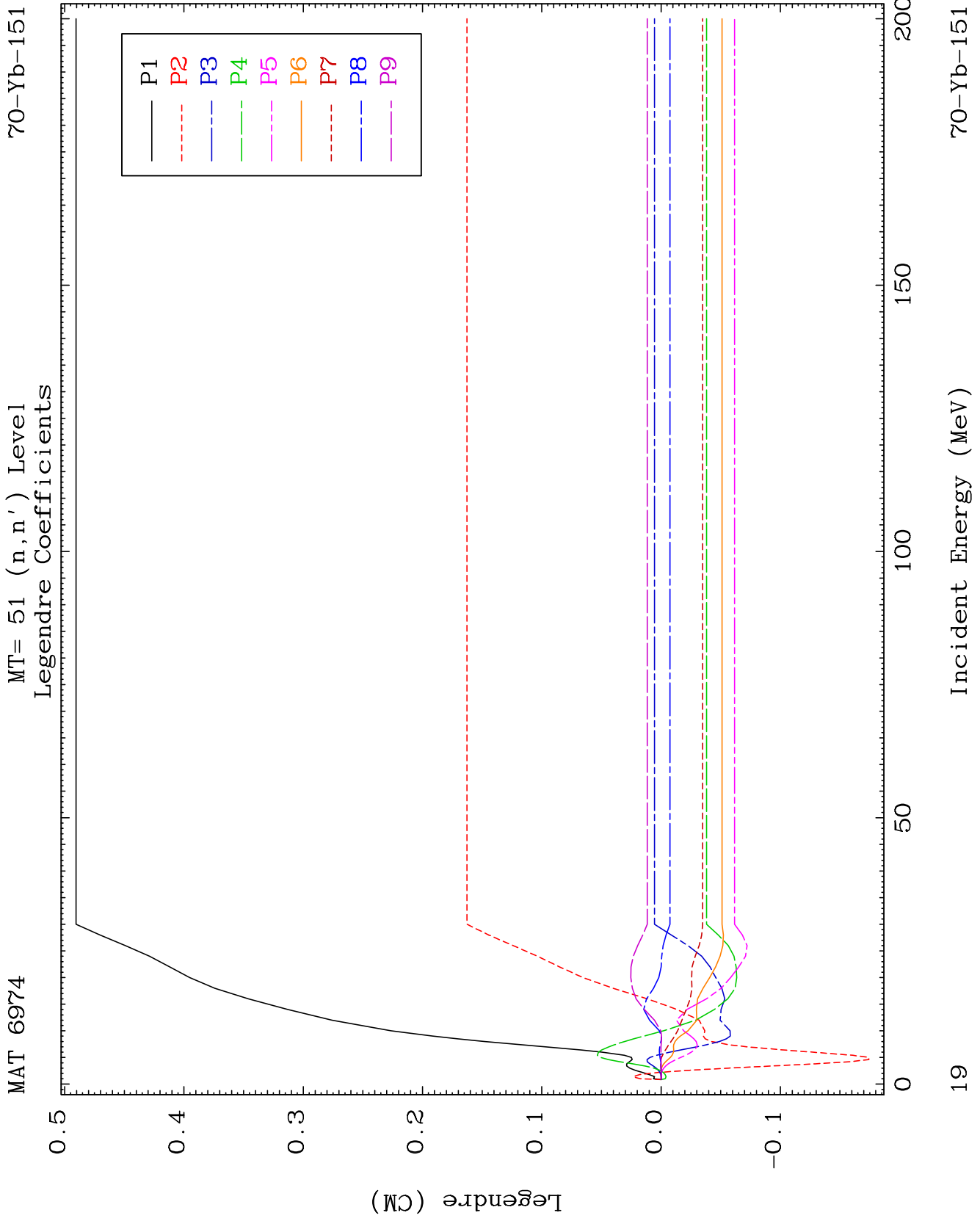
70-Yb-151

MAT 6974

Elastic Legendre Coefficients

70-Yb-151

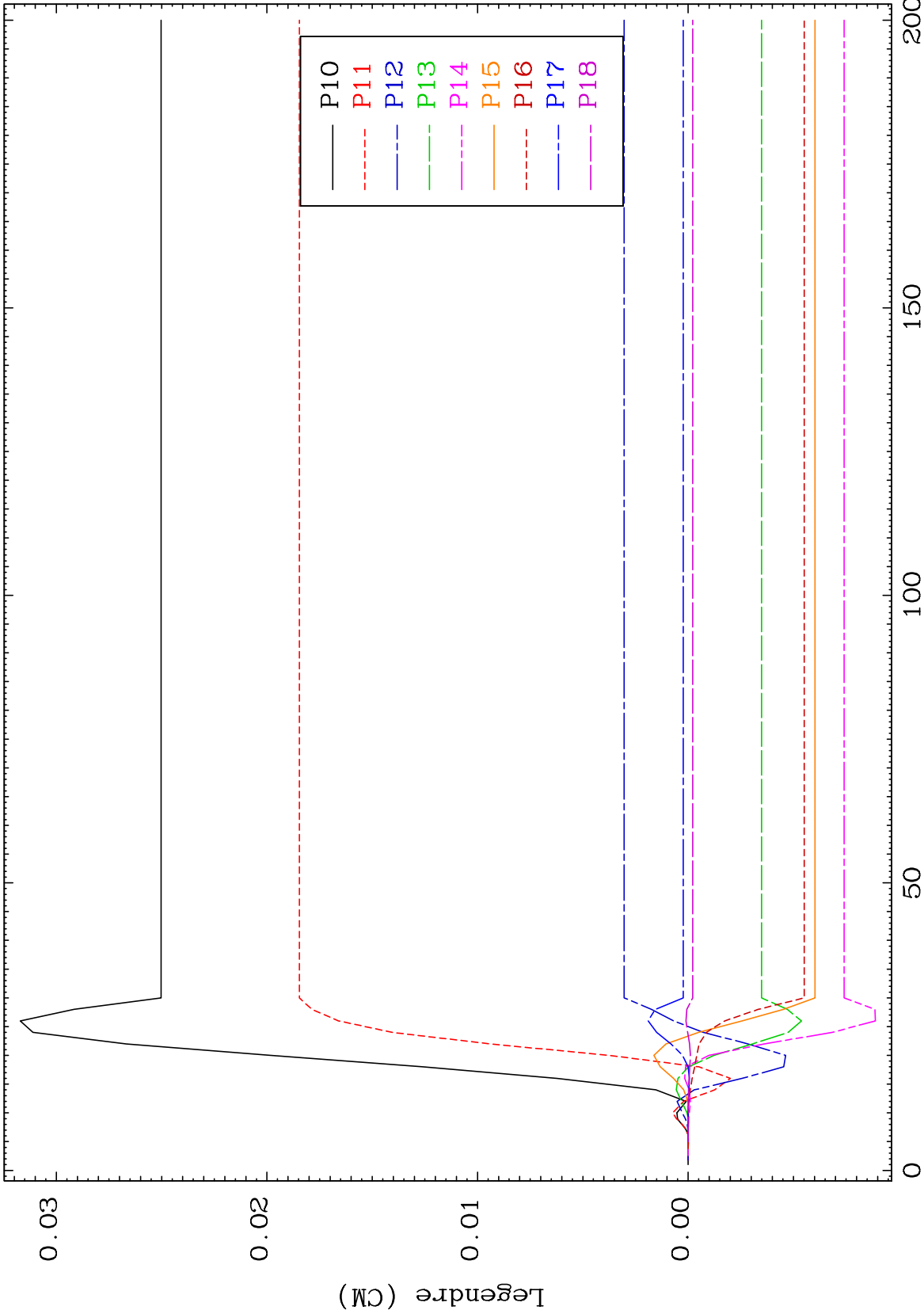




MAT 6974

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

70-Yb-151



0

50

100

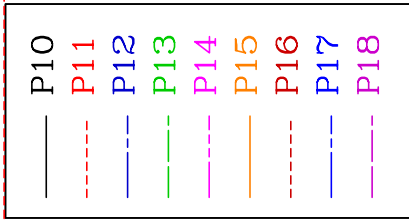
150

200

Incident Energy (MeV)

70-Yb-151

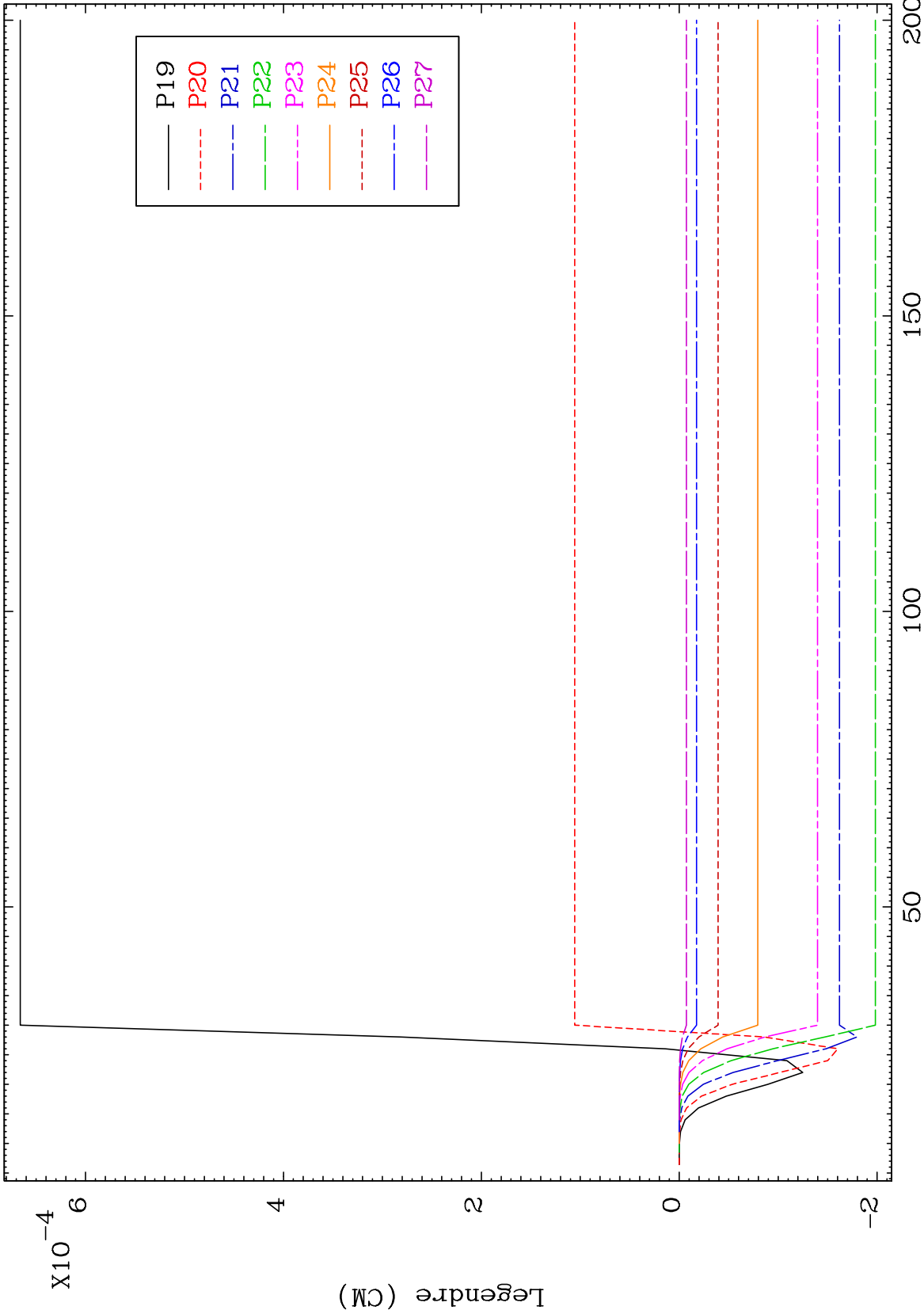
Legendre (CM)



MAT 6974

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

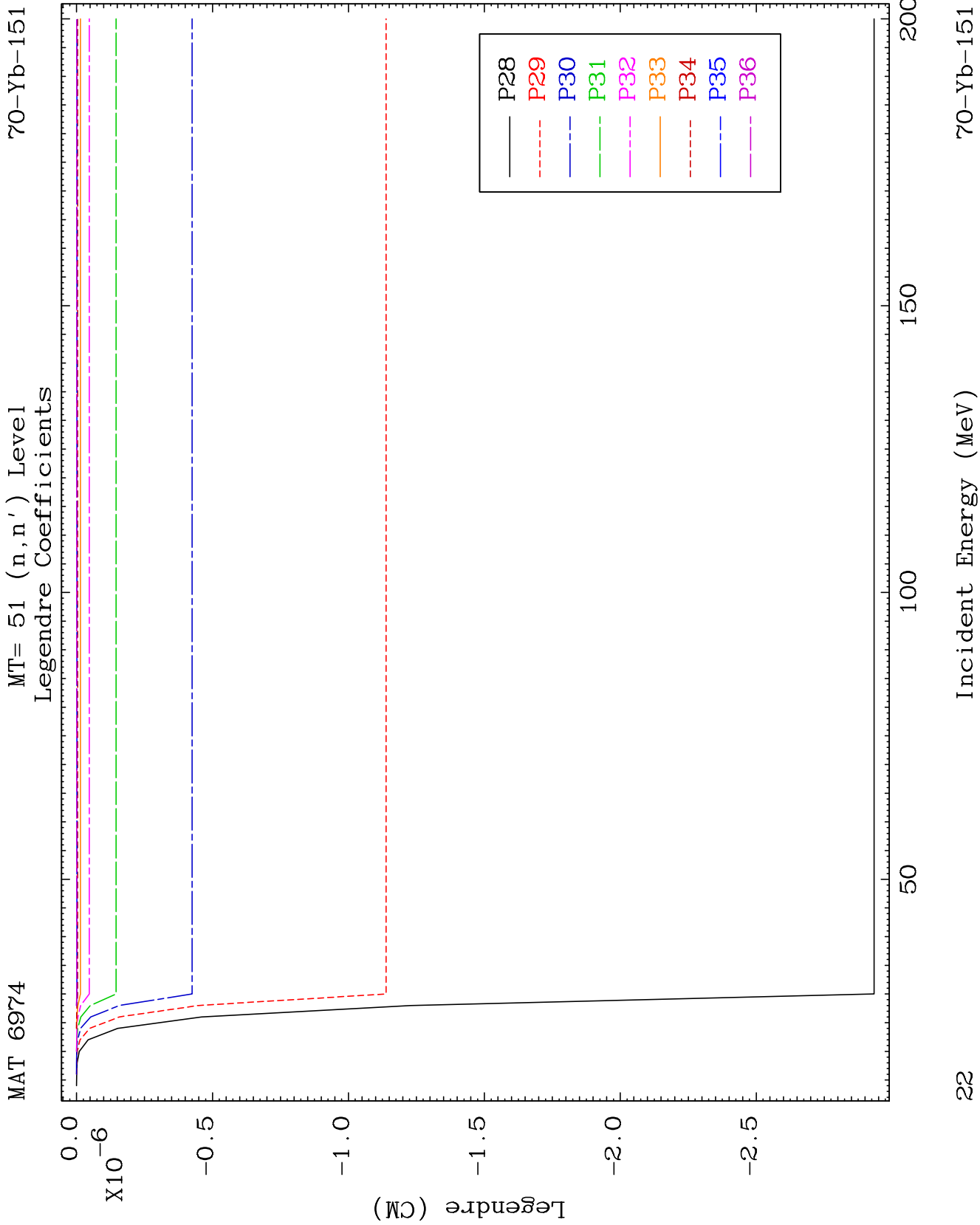
70-Yb-151



21

Incident Energy (MeV)

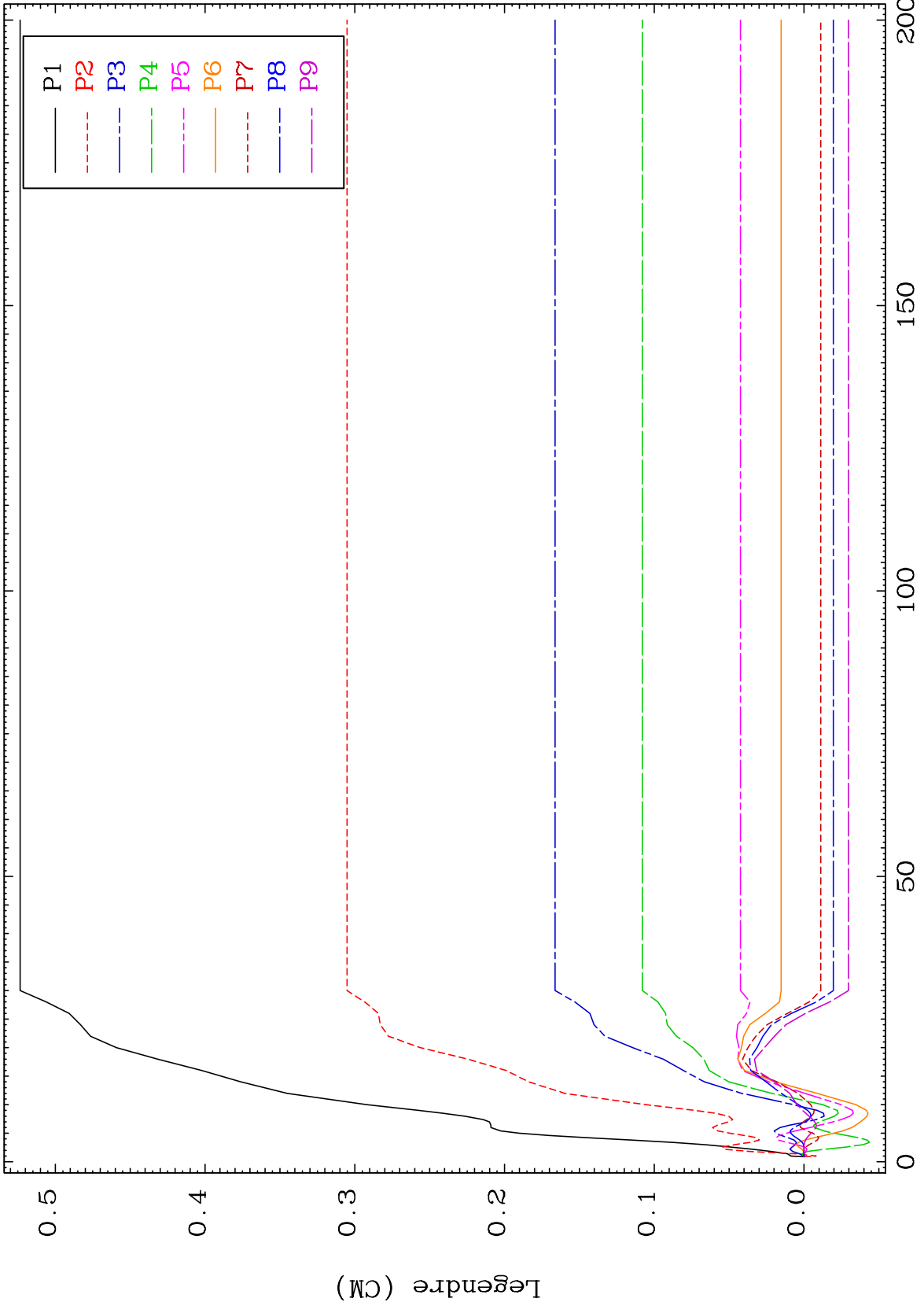
70-Yb-151



MAT 6974

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

70-Yb-151



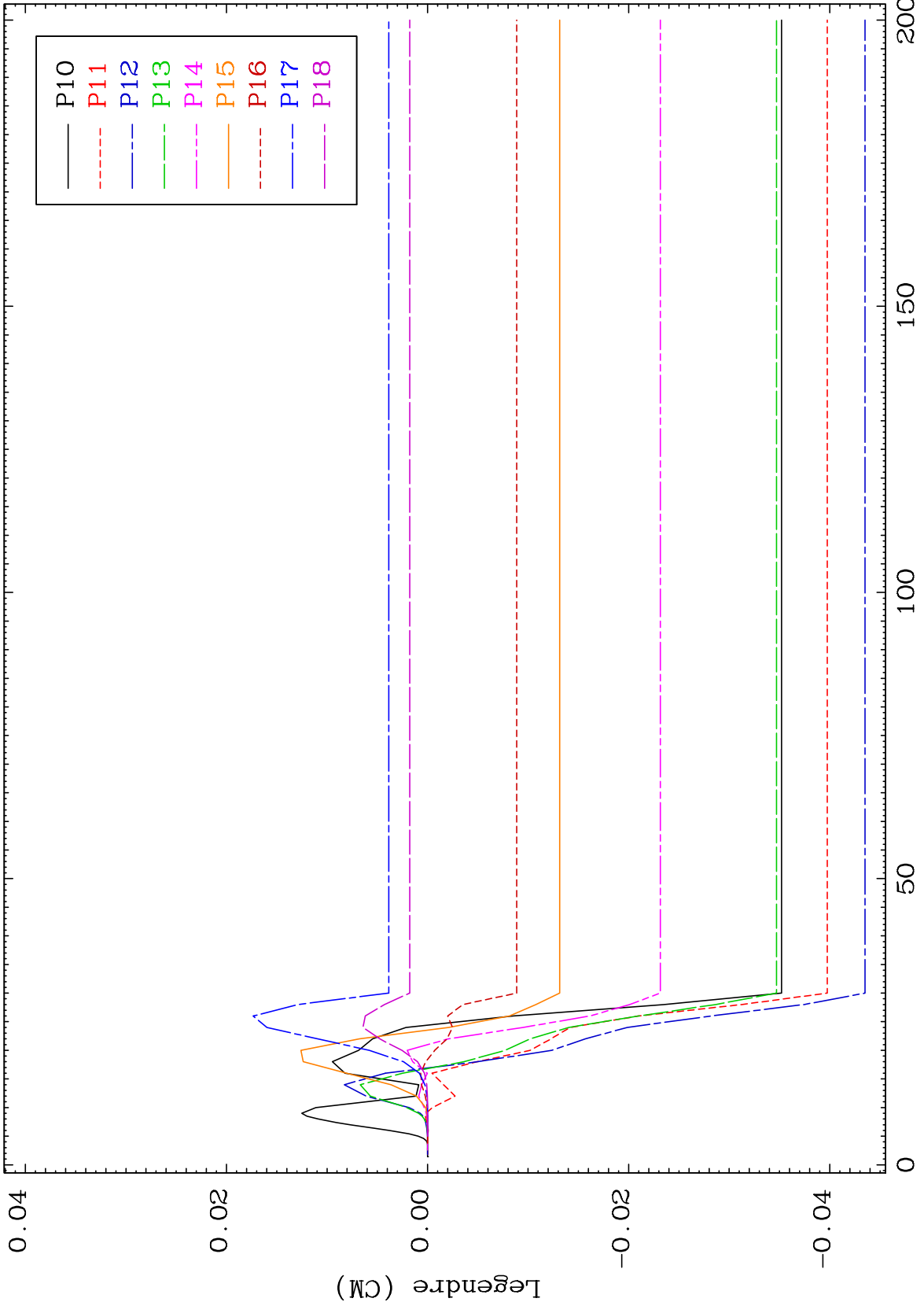
23

70-Yb-151

MAT 6974

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

70-Yb-151



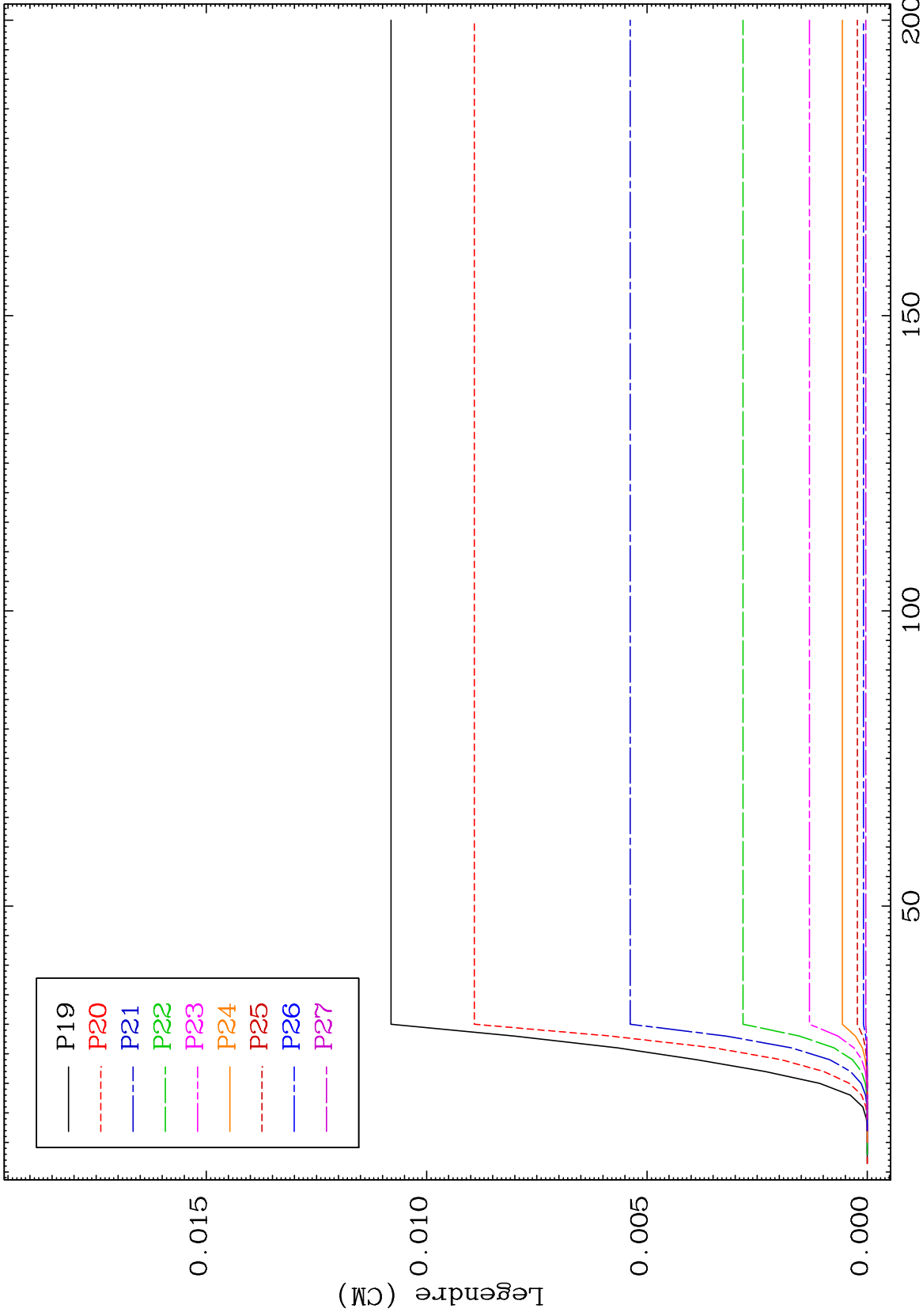
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70-Yb-151

MAT 6974

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

70-Yb-151



25

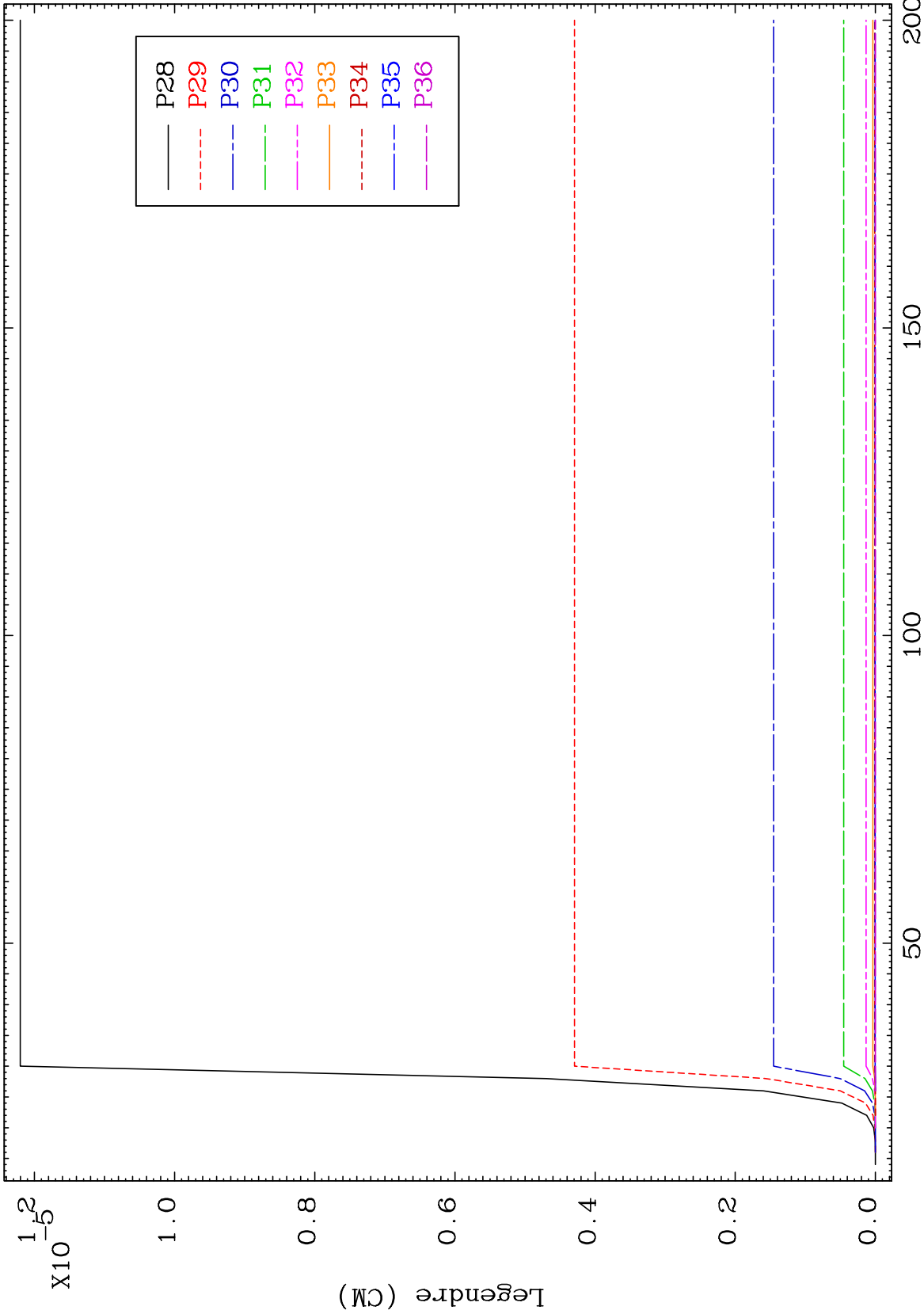
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



26

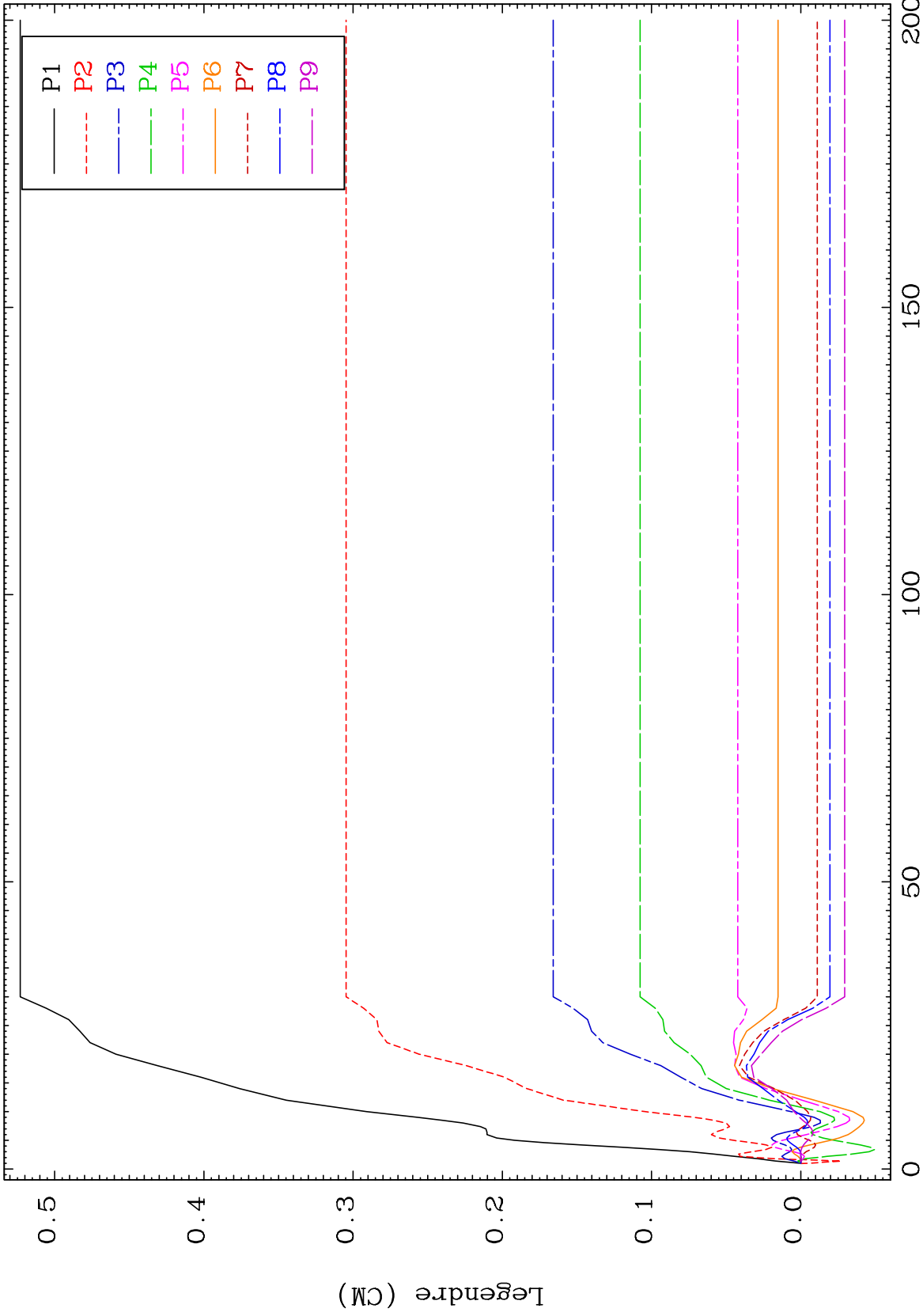
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



27

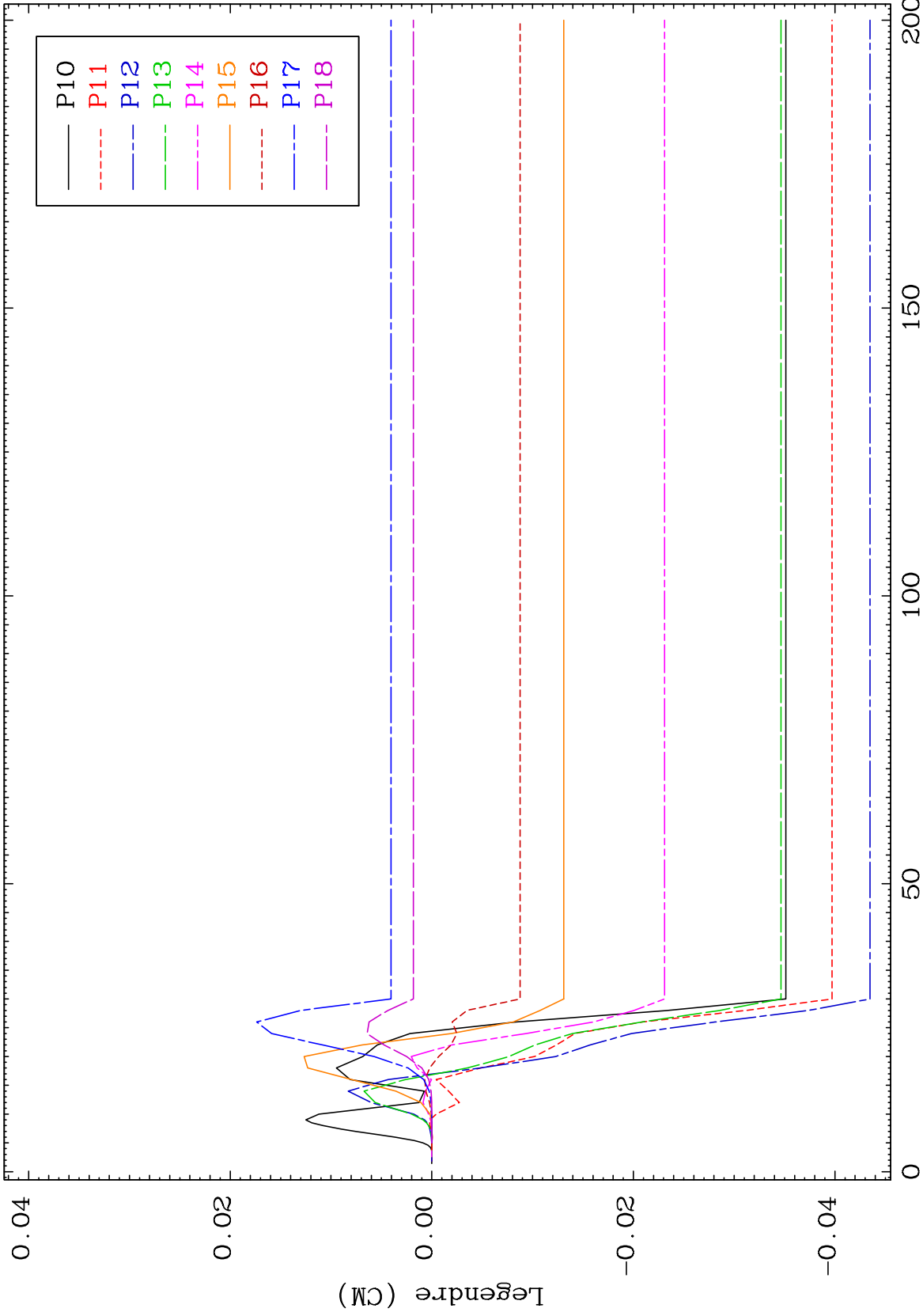
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



28

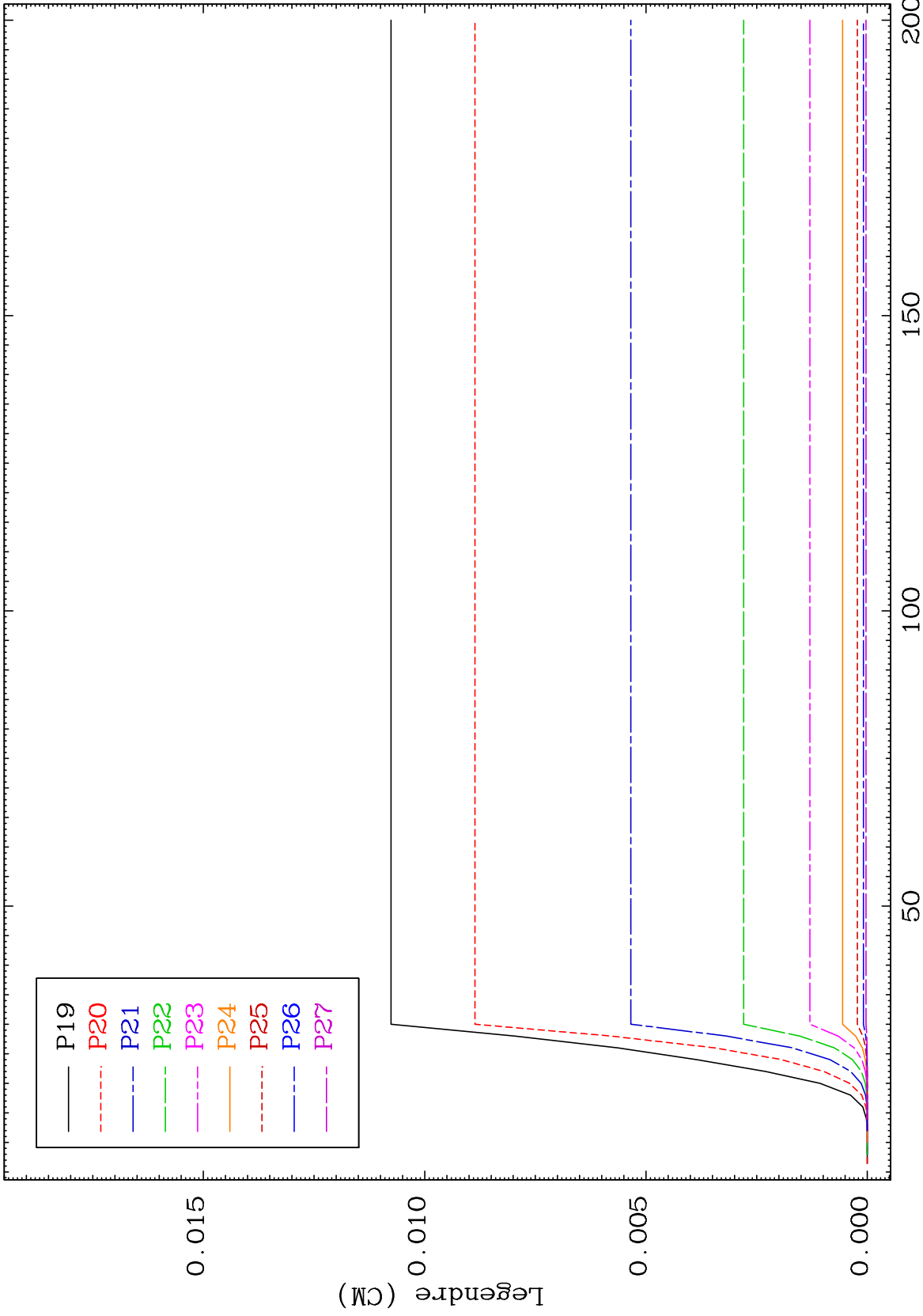
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



29

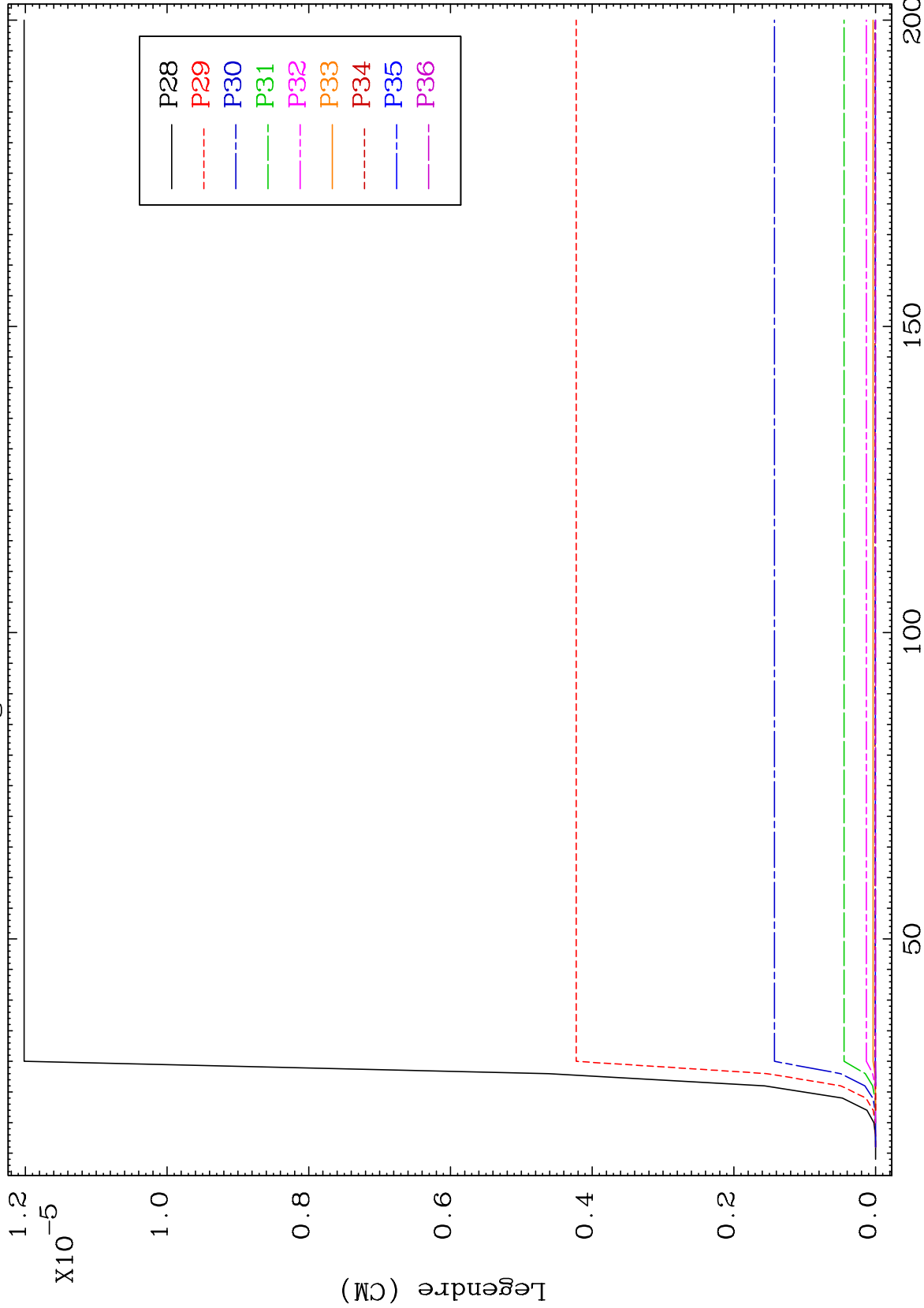
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151

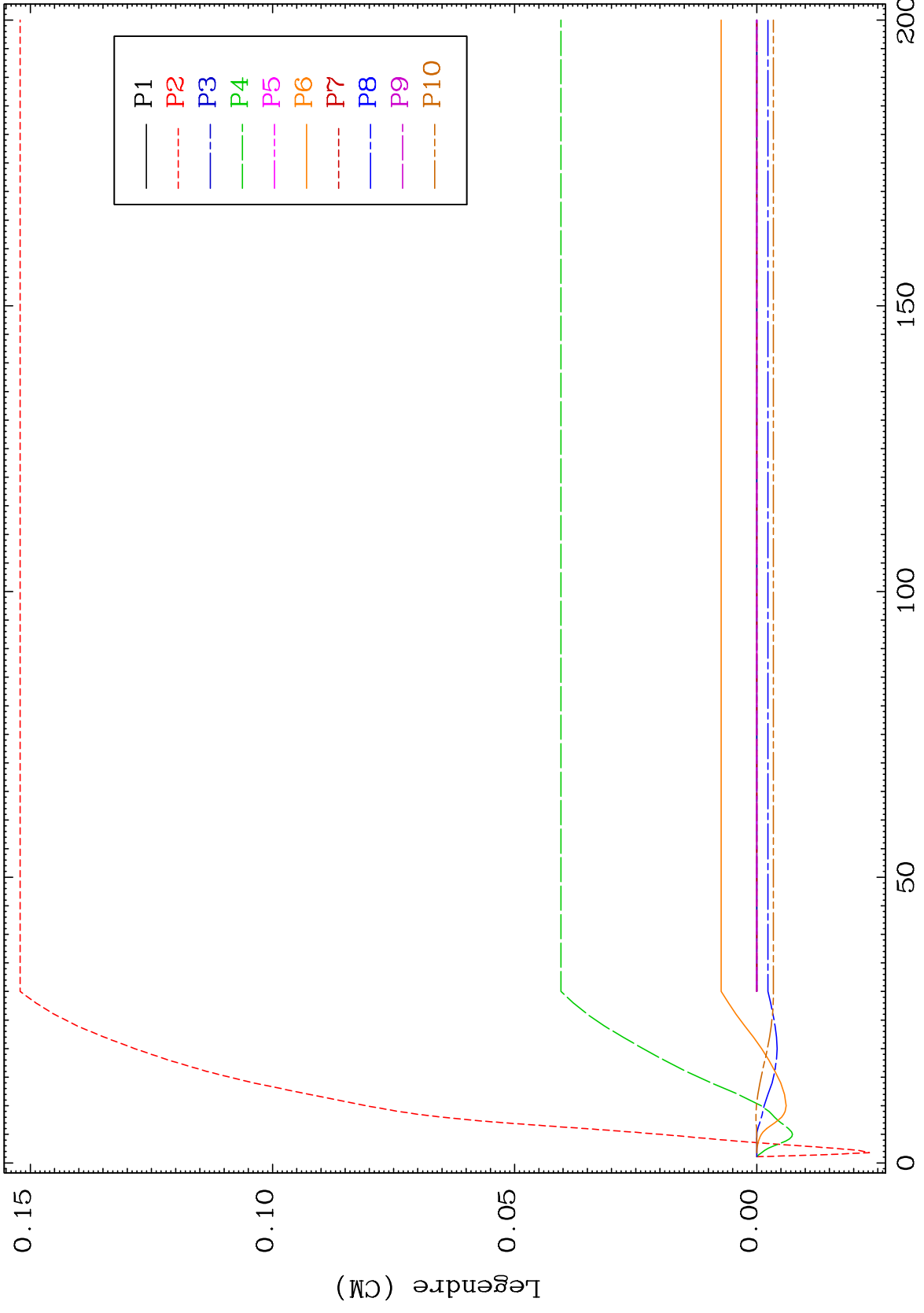


30

Incident Energy (MeV)

70-Yb-151

MAT 6974 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-151

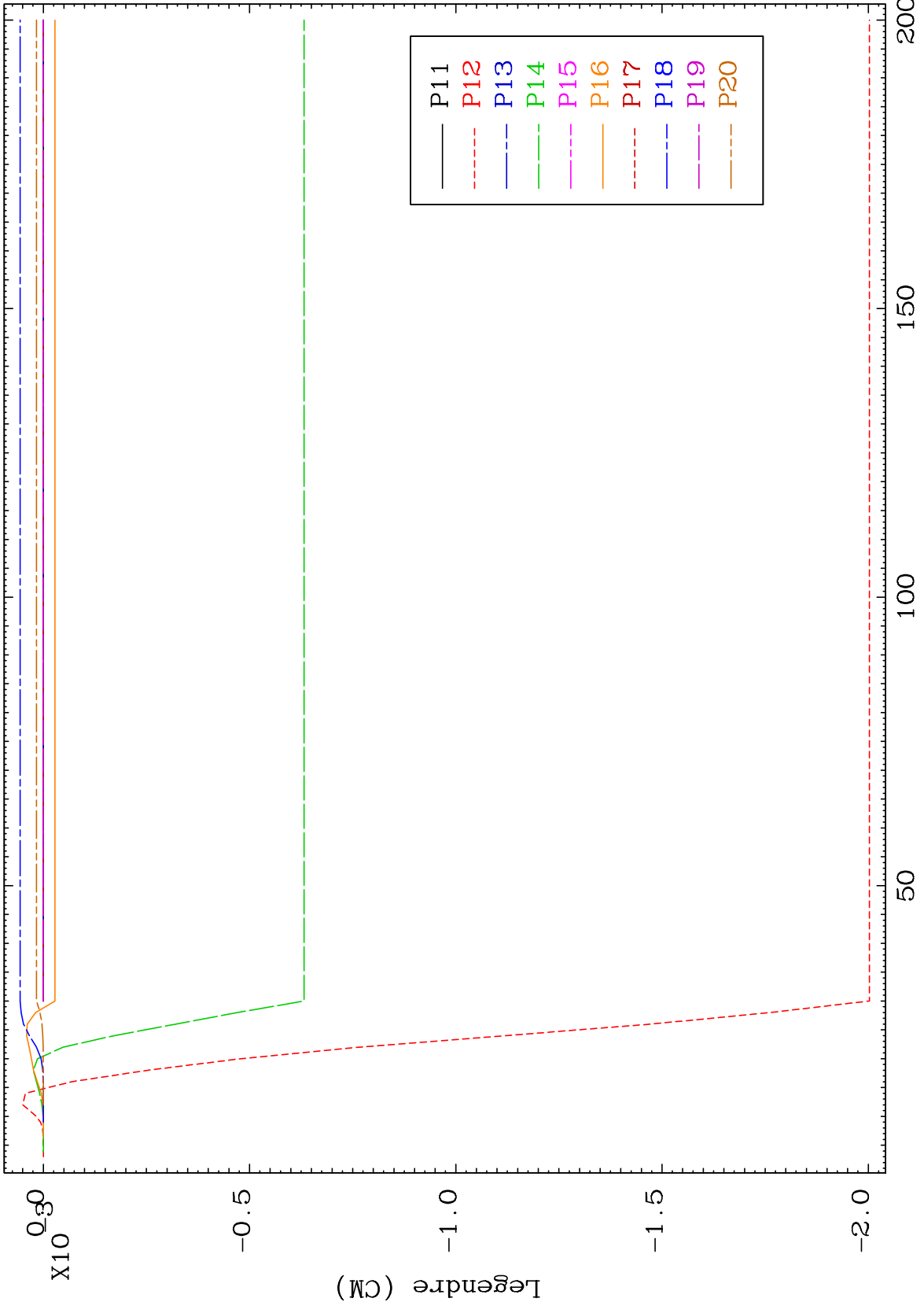


31 70-Yb-151

MAT 6974

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

70-Yb-151



32

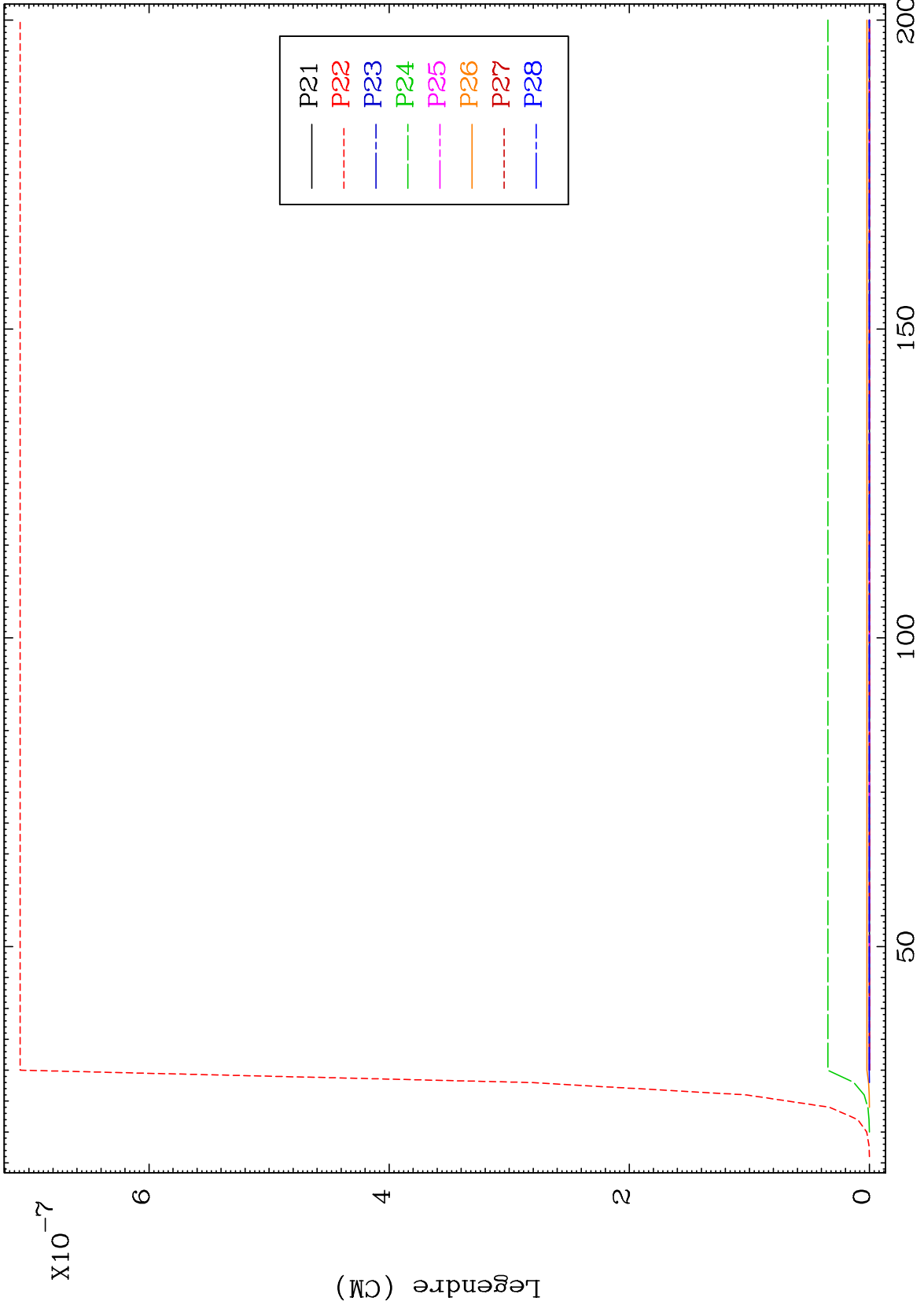
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



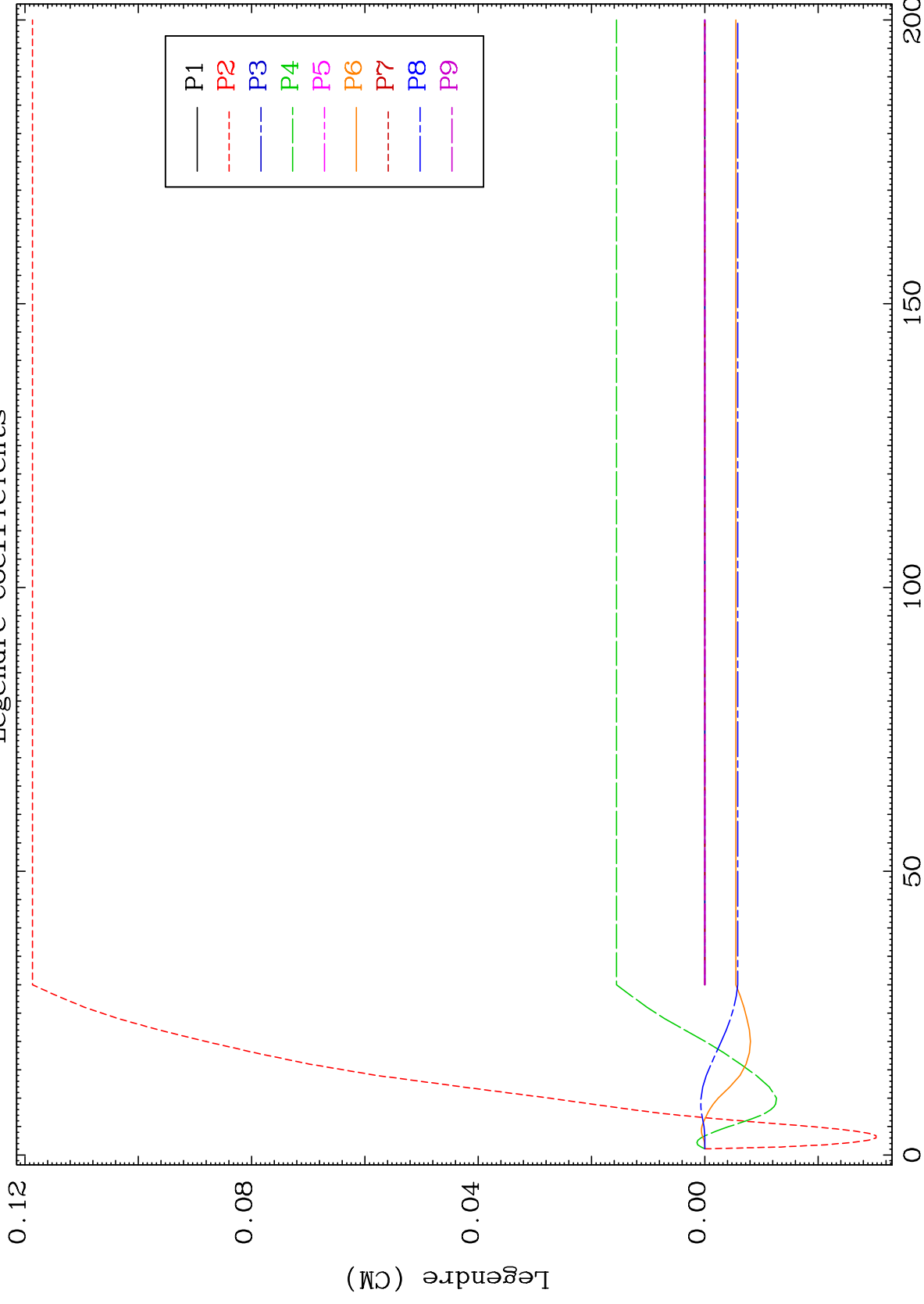
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Incident Energy (MeV)

70-Yb-151

MAT 6974 MT= 55 (n,n') Level Legendre Coefficients

70-Yb-151



70-Yb-151

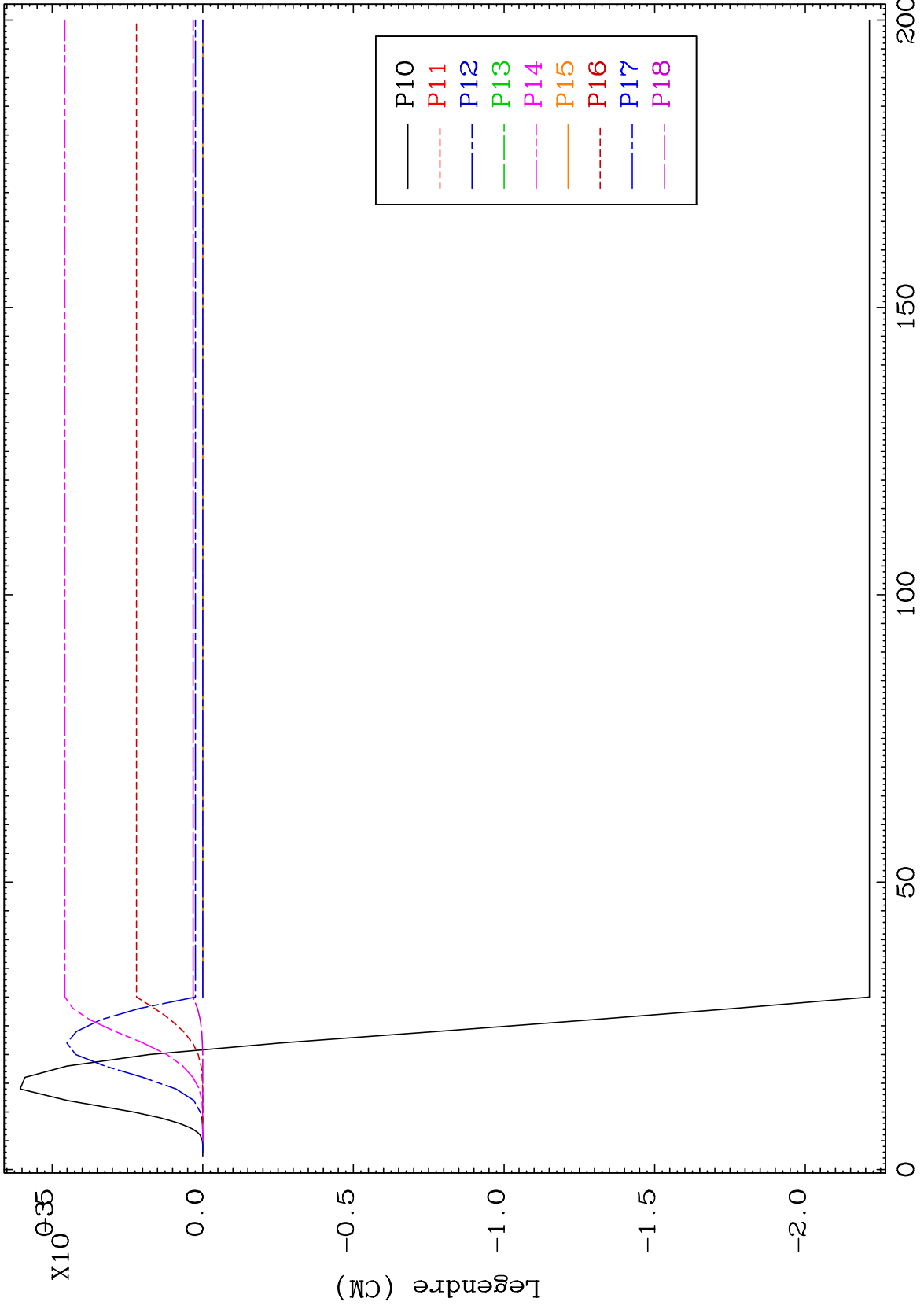
Incident Energy (MeV)

34

MAT 6974

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

70-Yb-151



35

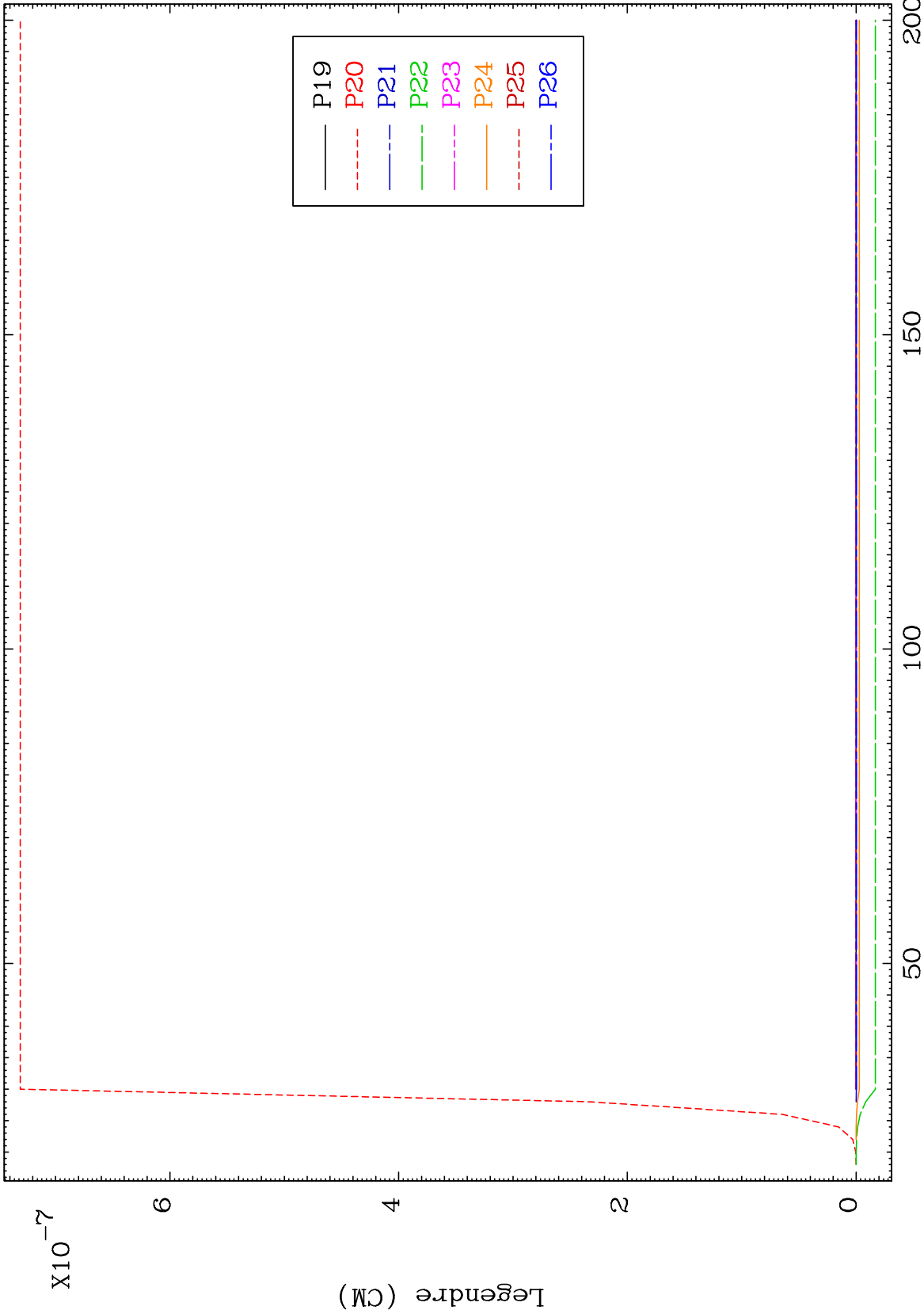
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



36

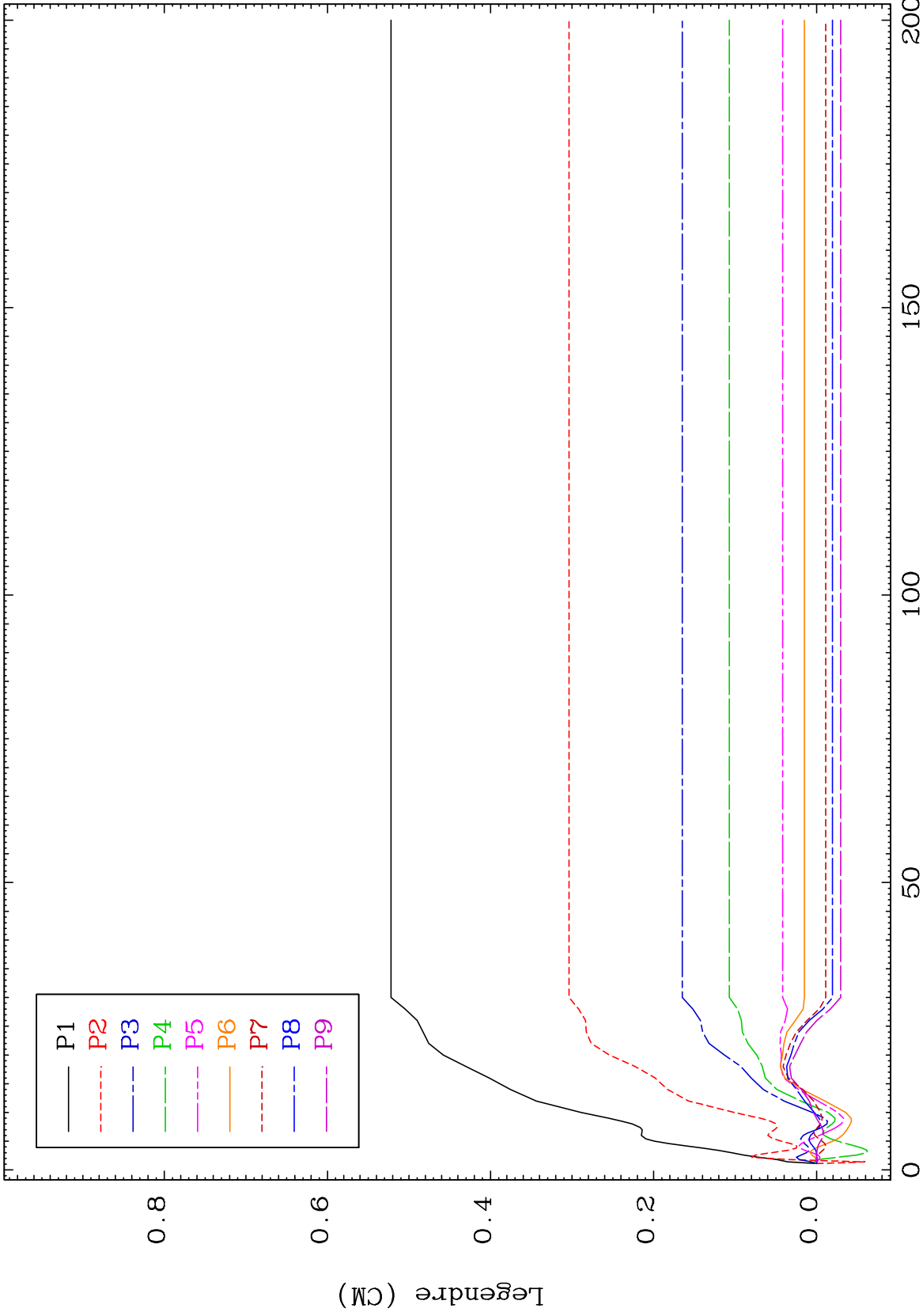
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

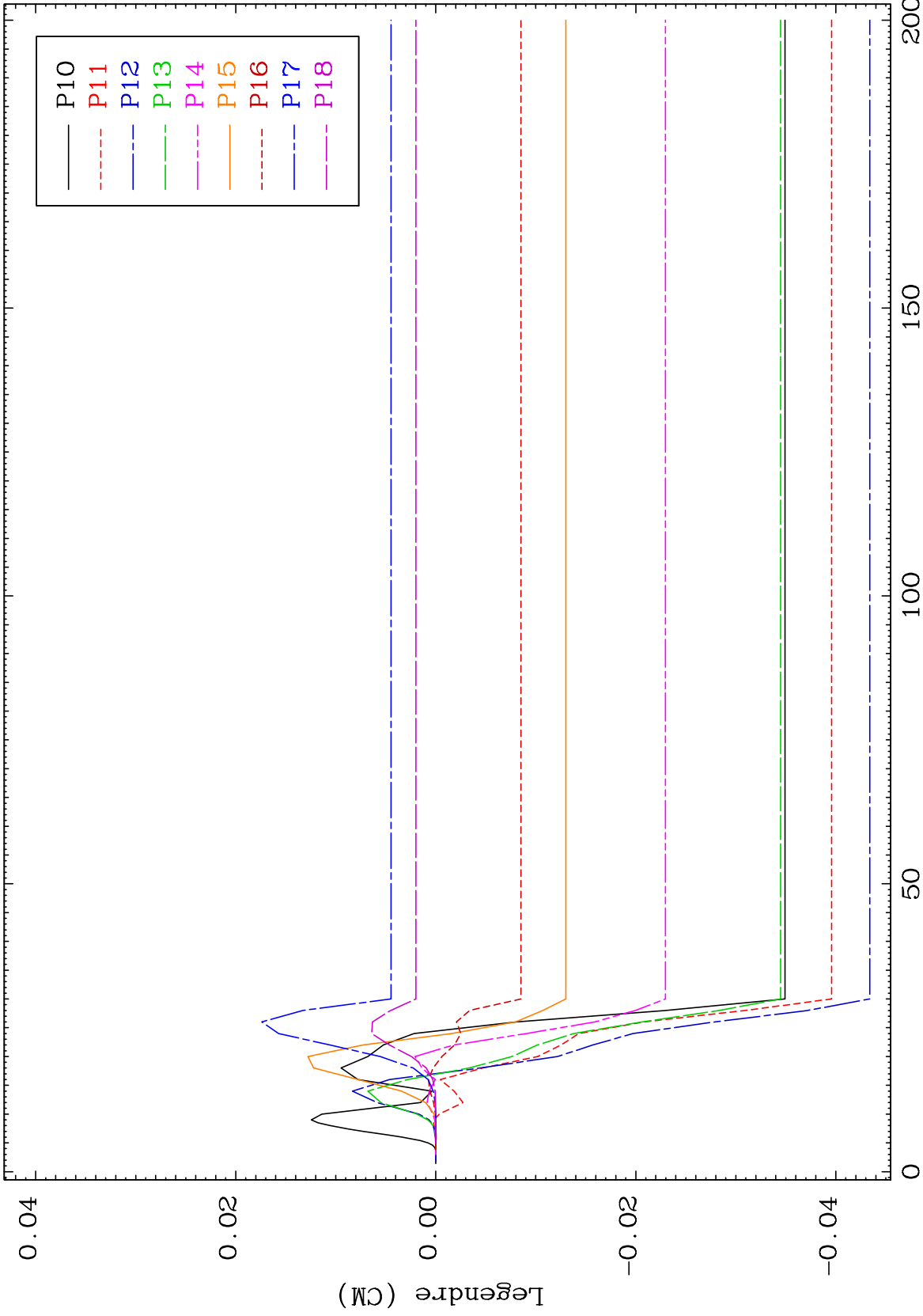
70-Yb-151



MAT 6974

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

70-Yb-151



38

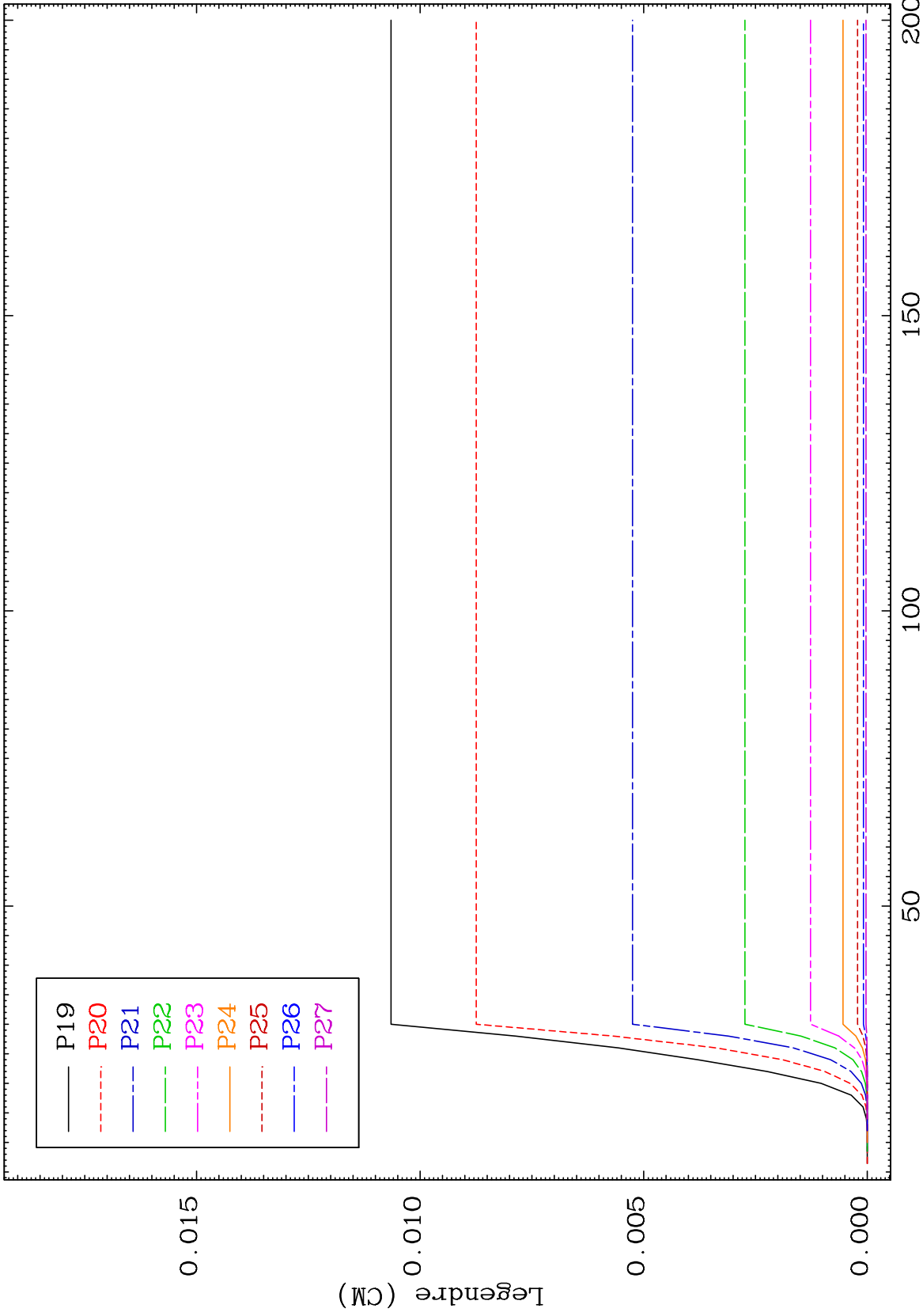
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



39

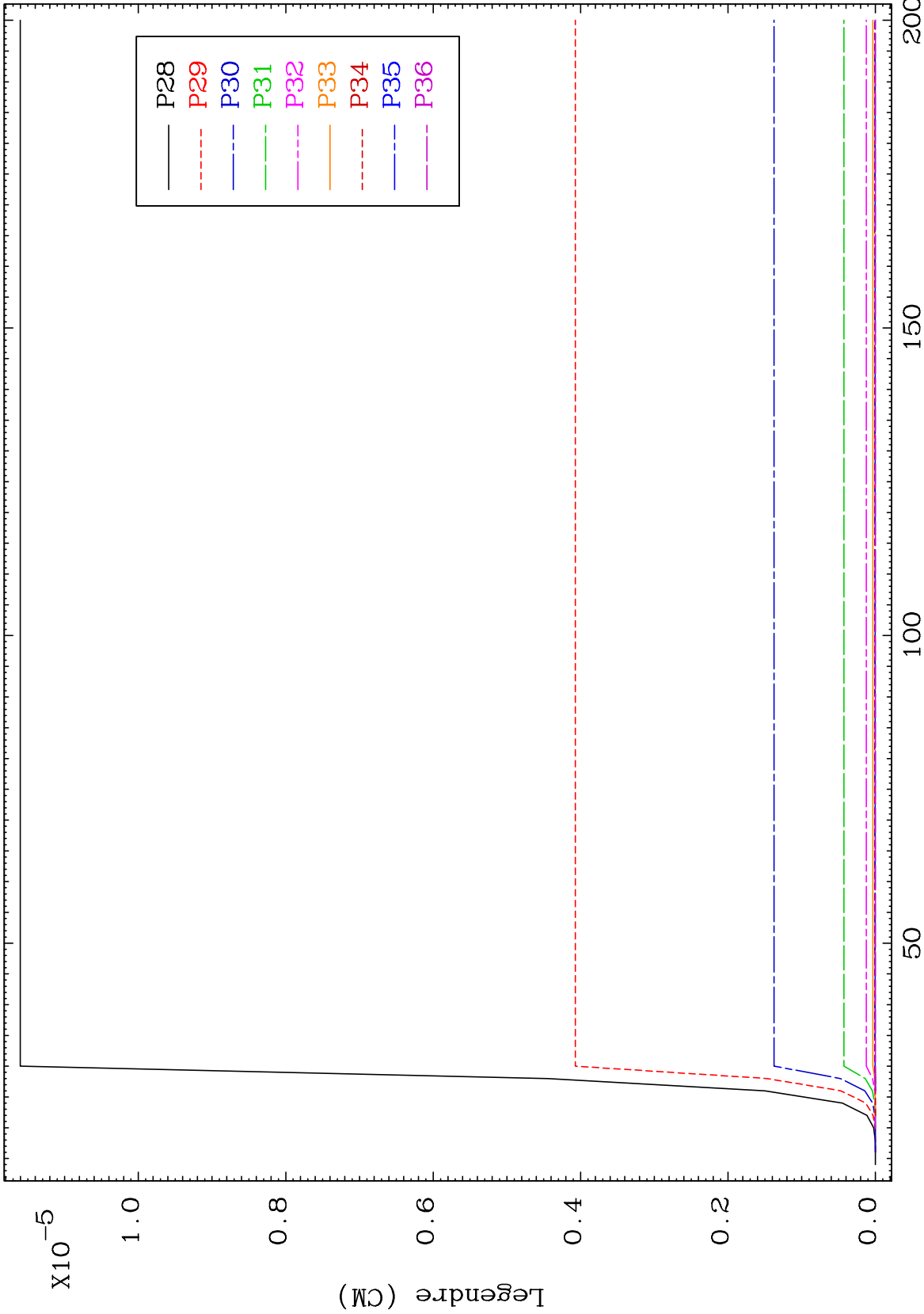
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



40

50

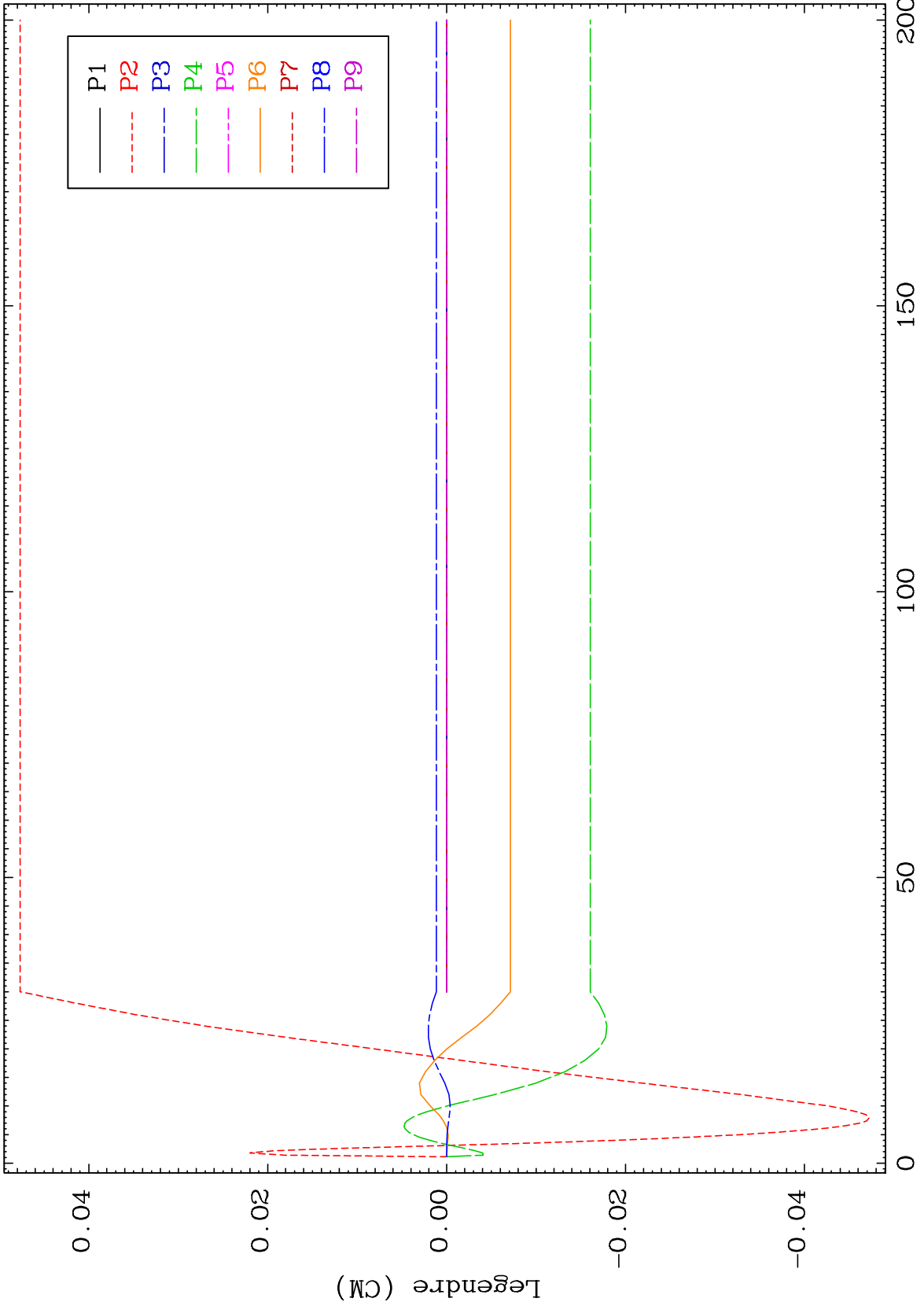
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150

200

70-Yb-151

MAT 6974 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-151

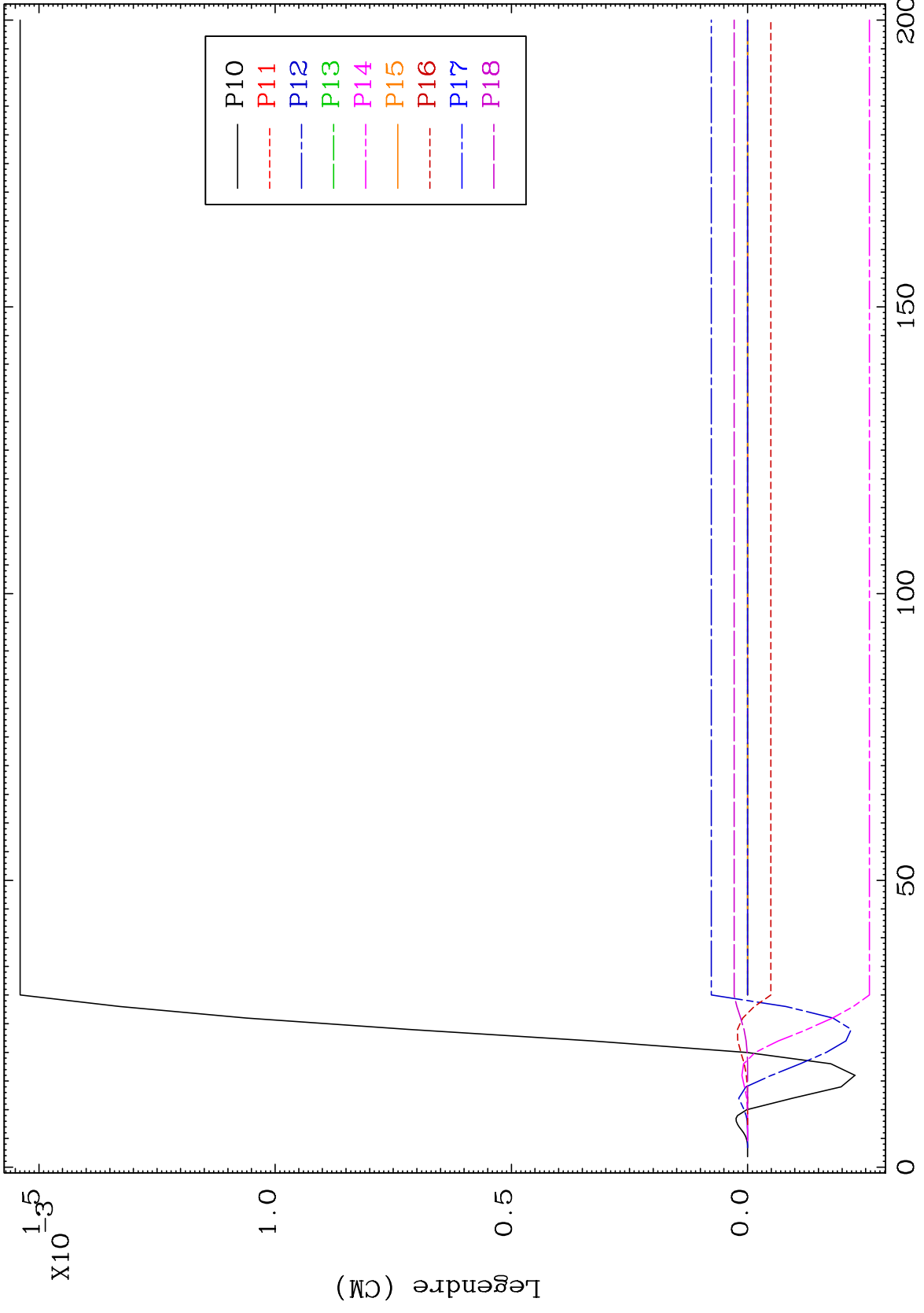


41 70-Yb-151

MAT 6974

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

70-Yb-151



42

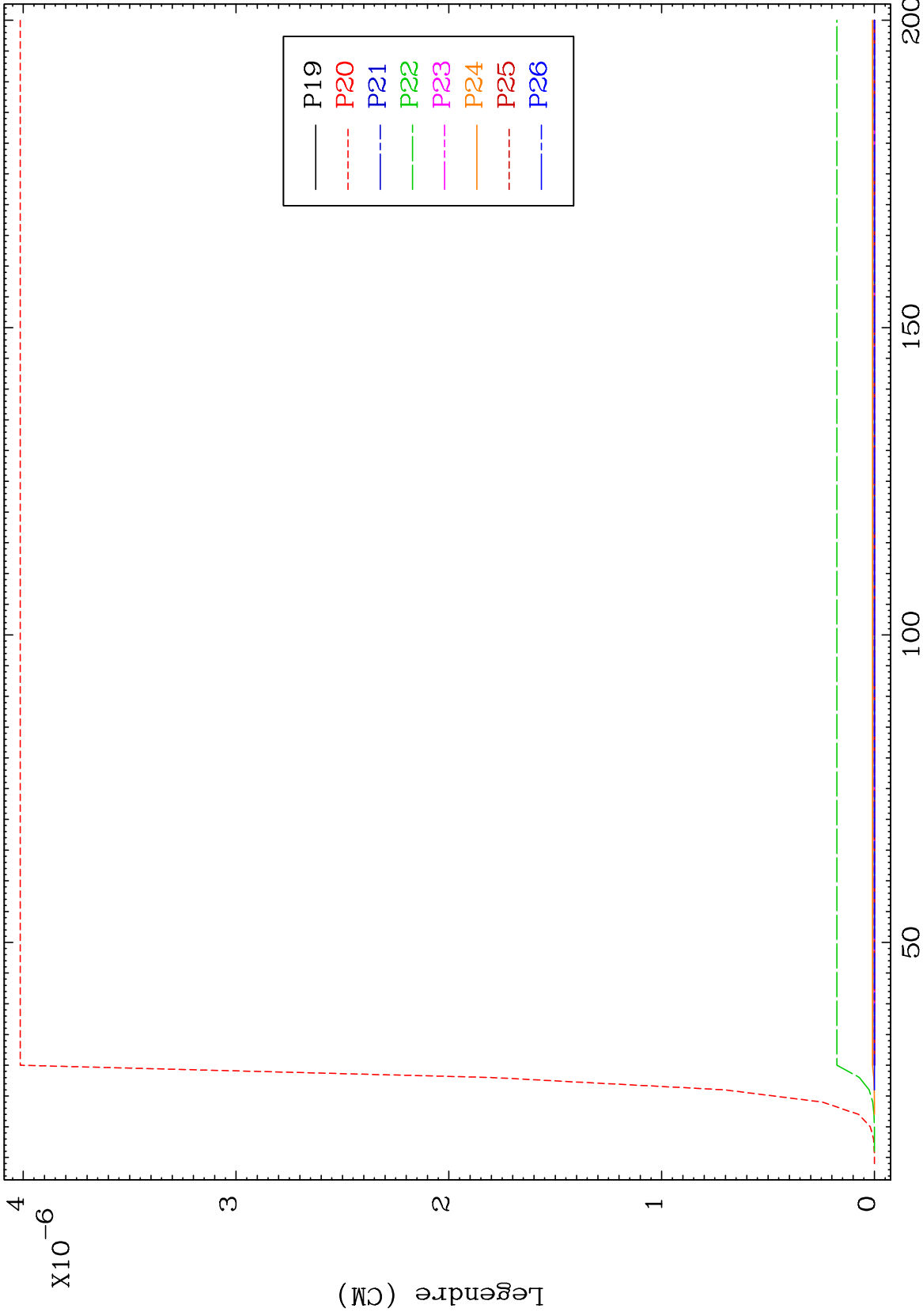
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

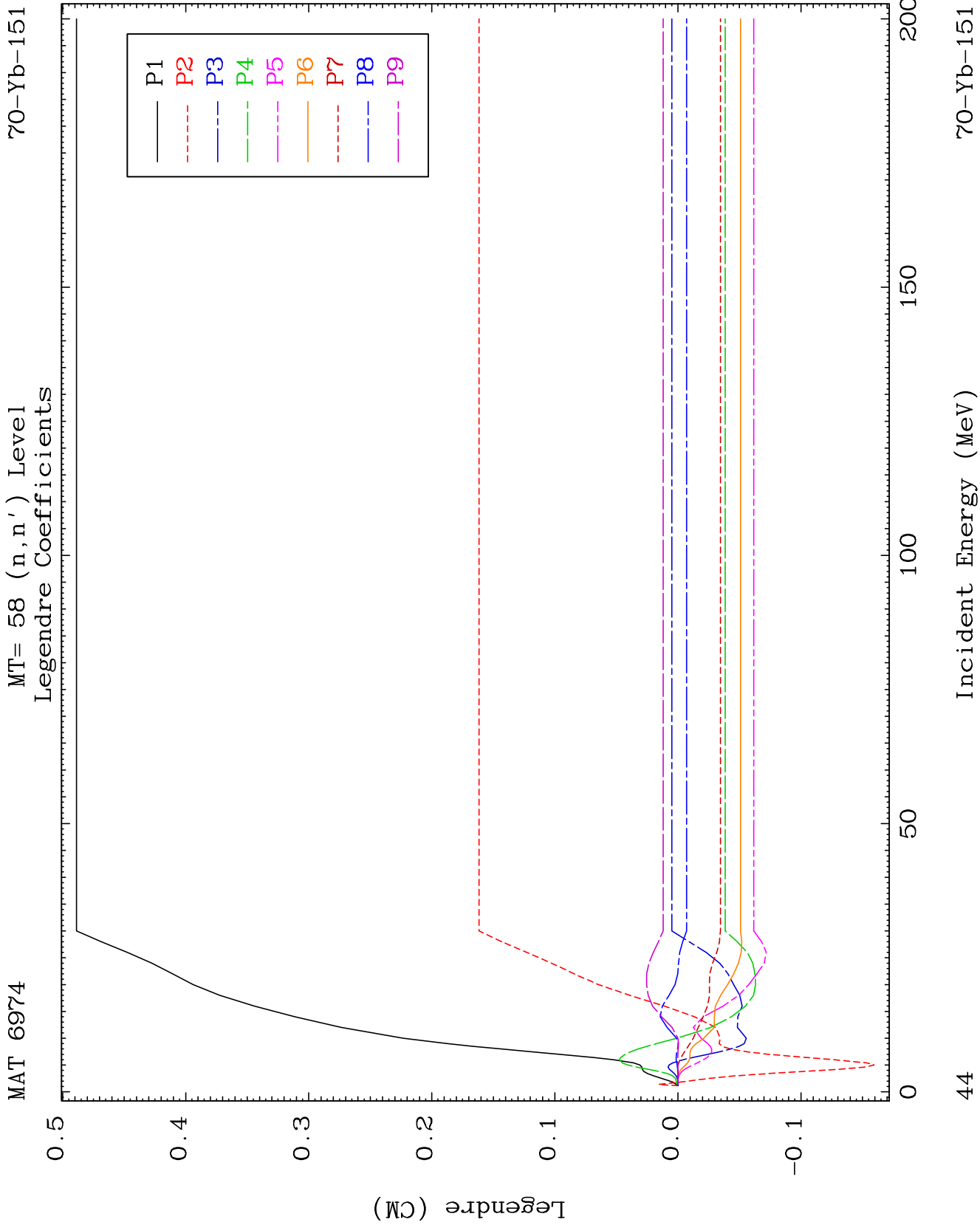
70-Yb-151



43

Incident Energy (MeV)

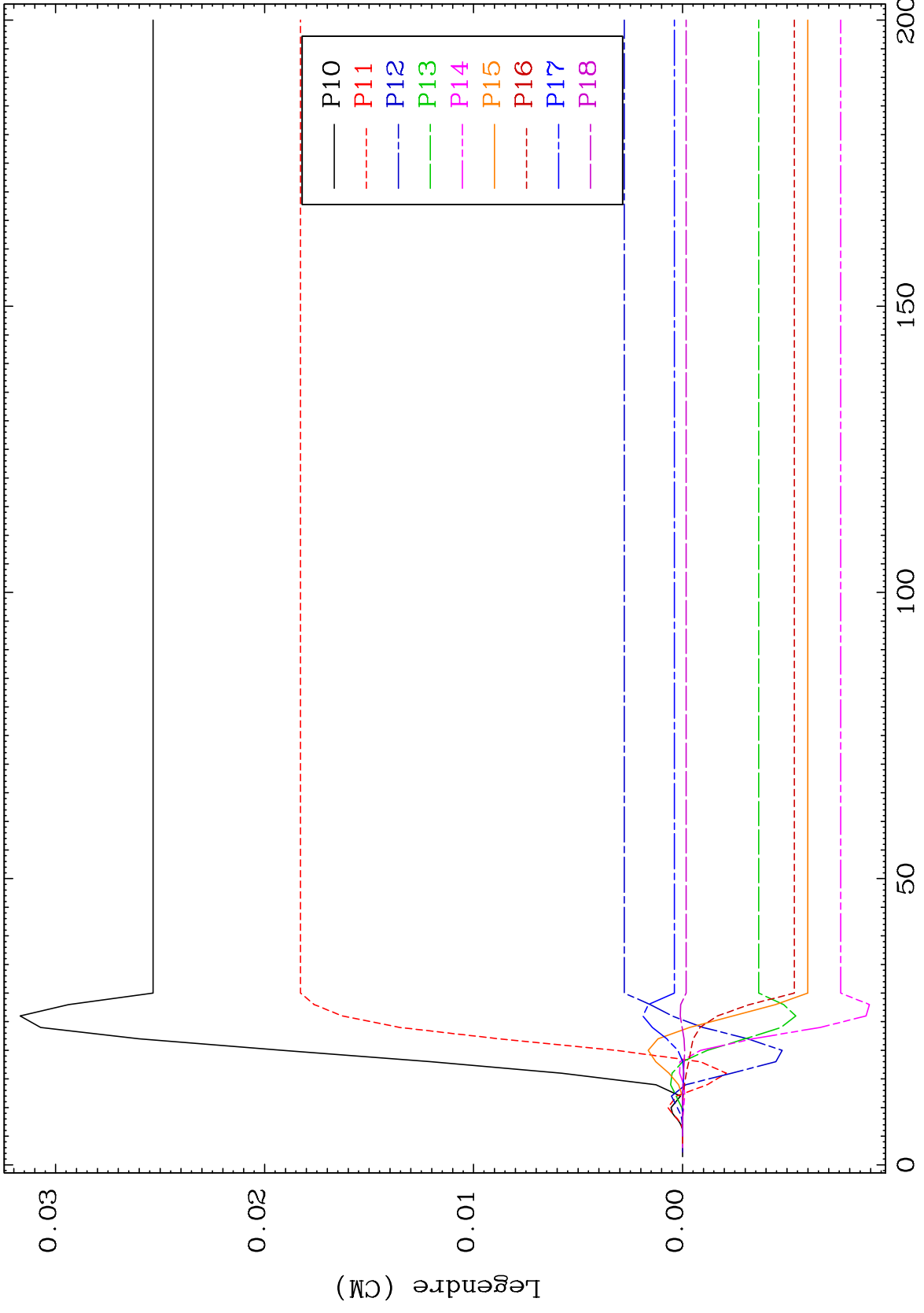
70-Yb-151



MAT 6974

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

70-Yb-151



45

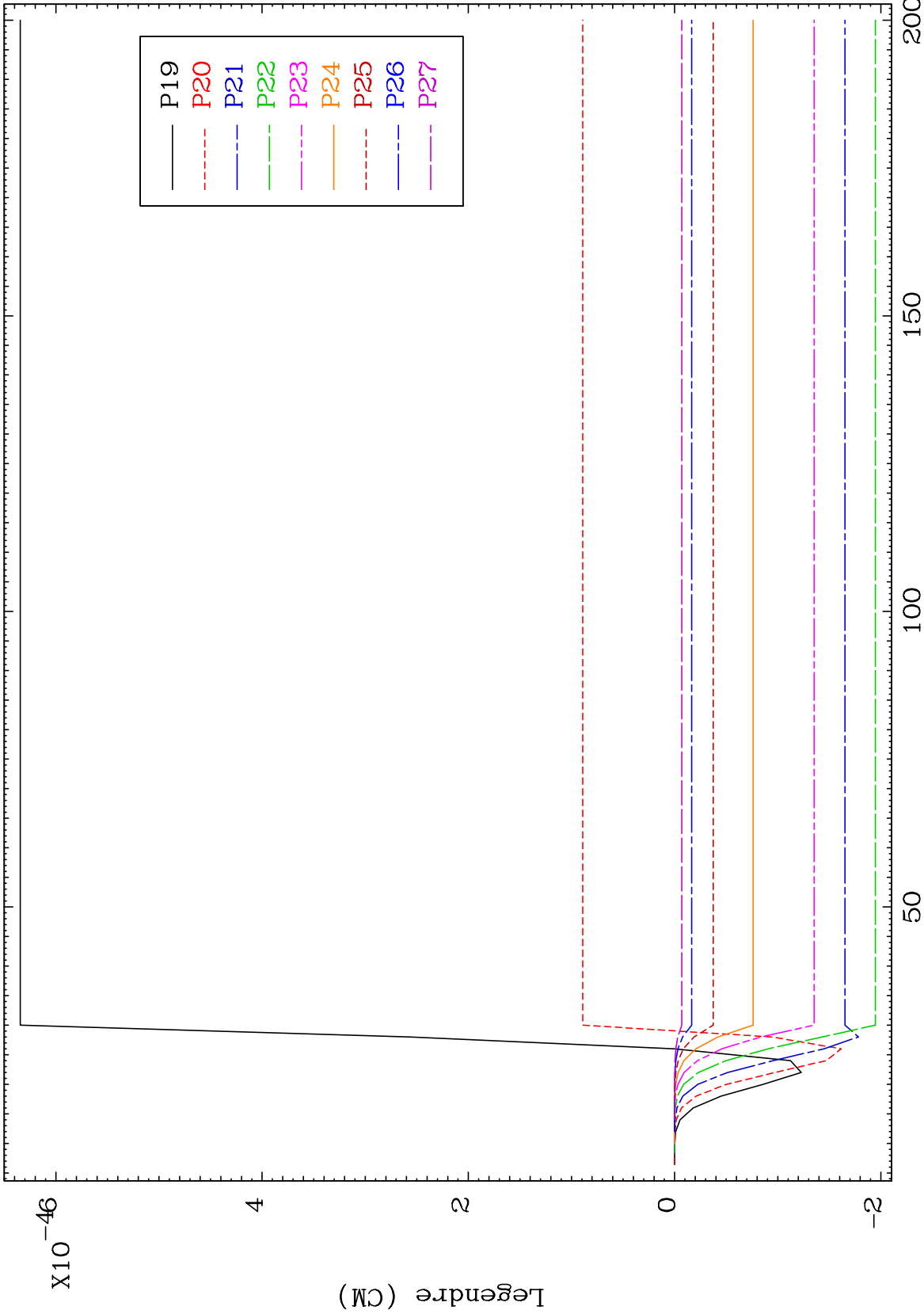
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151

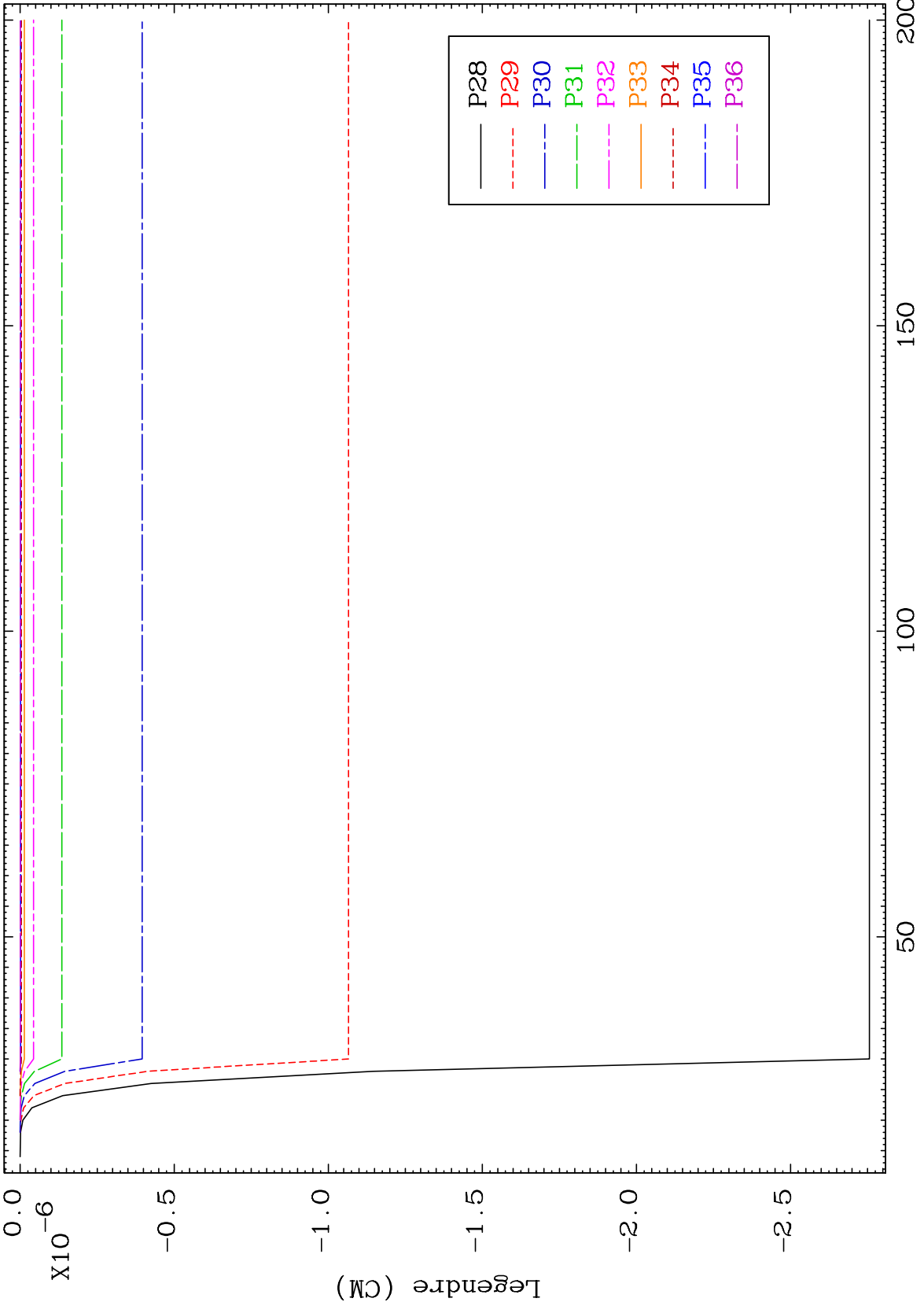


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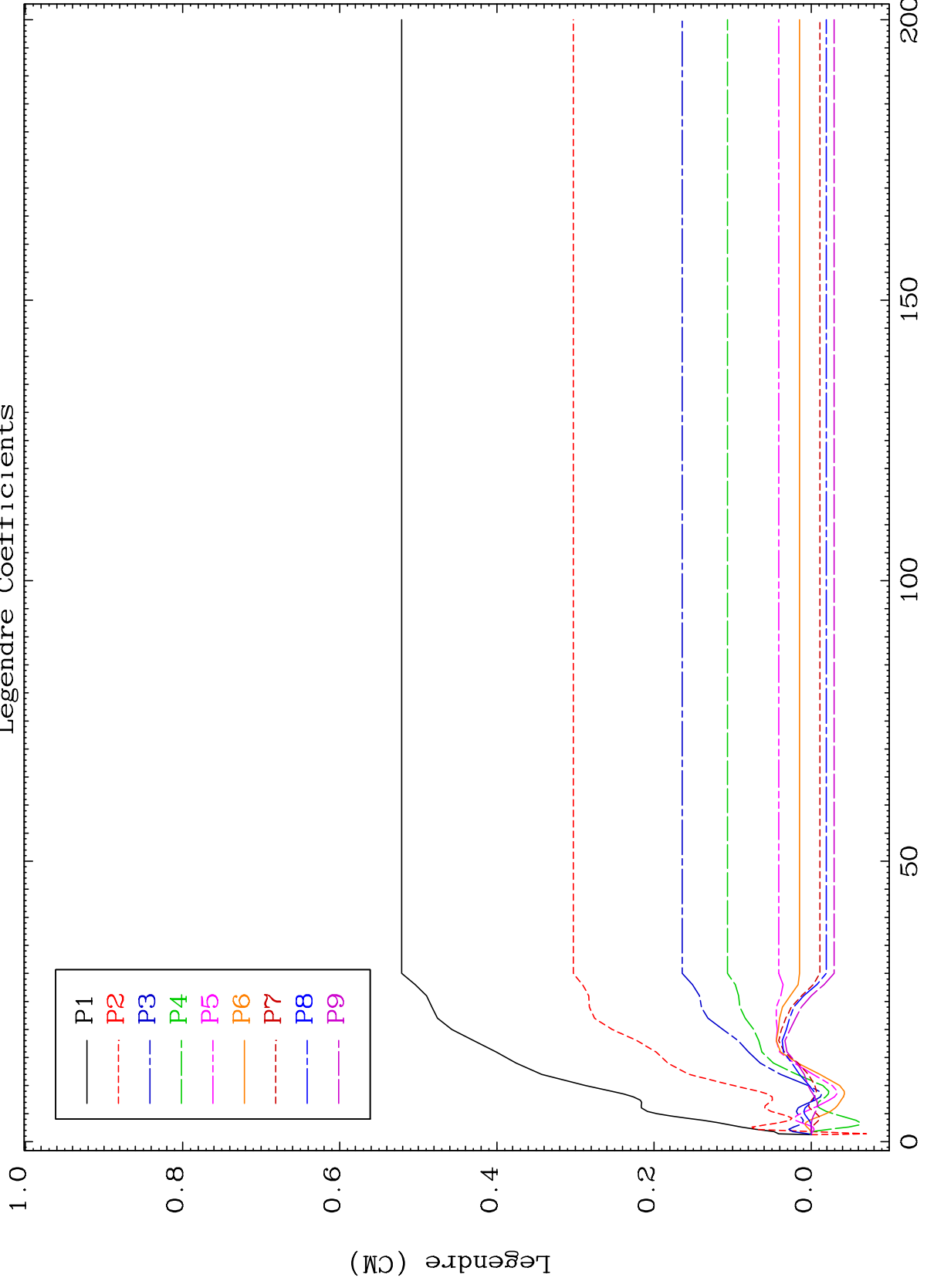
Incident Energy (MeV)

70-Yb-151

MAT 6974 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-151



MAT 6974 MT= 59 (n,n') Level Legendre Coefficients 70-Yb-151

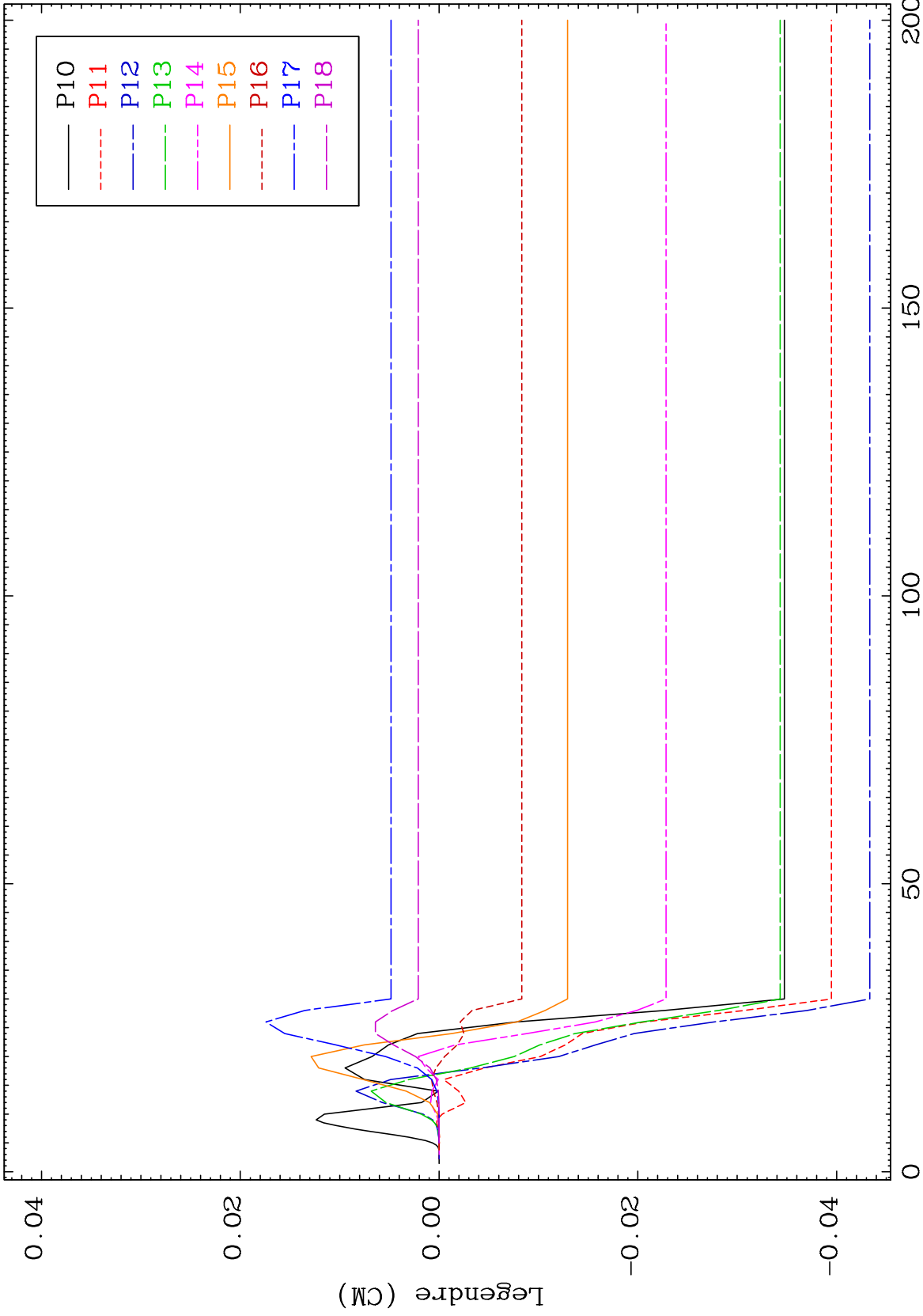


48 Incident Energy (MeV) 70-Yb-151

MAT 6974

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

70-Yb-151



49

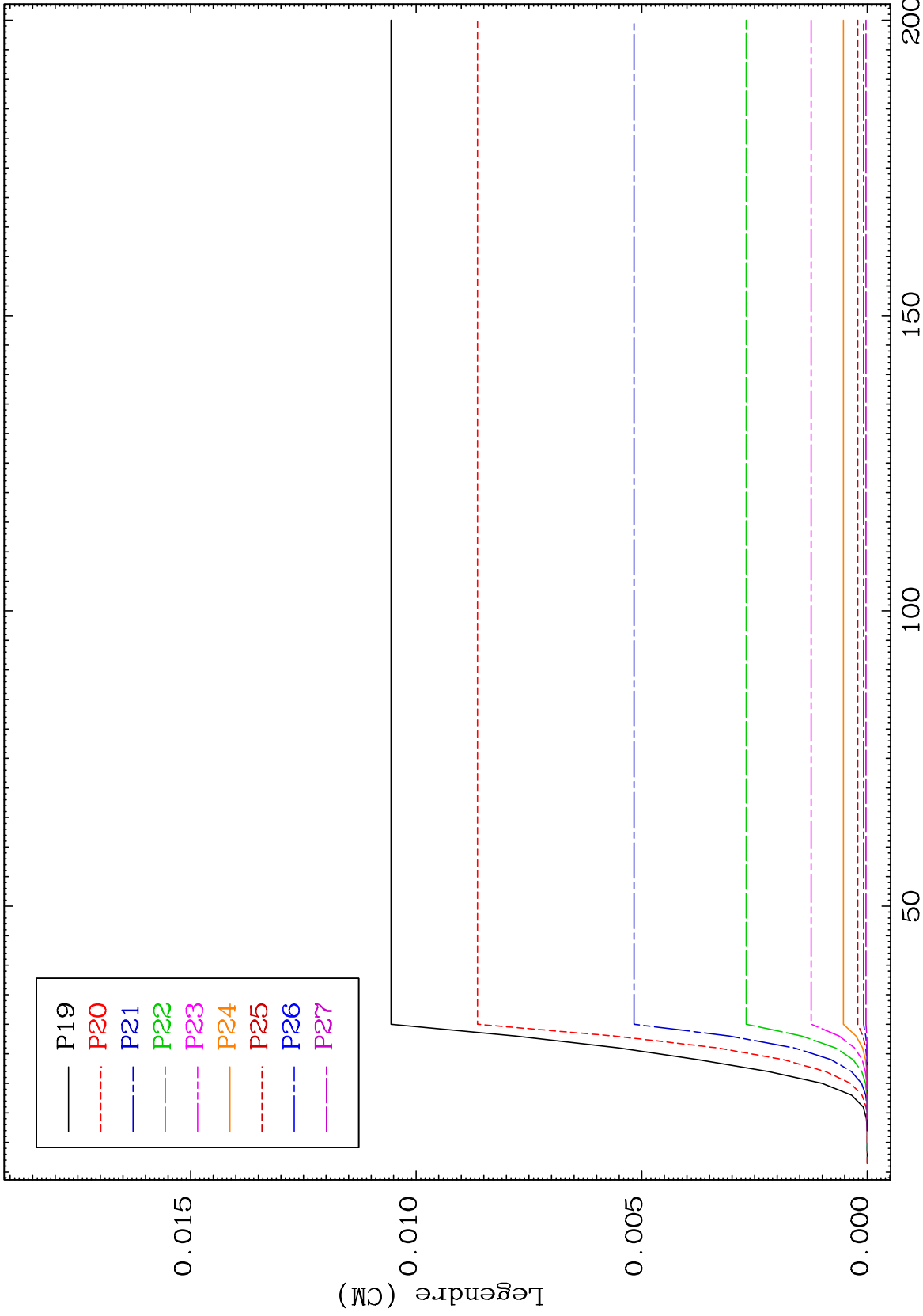
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



50

50

100

150

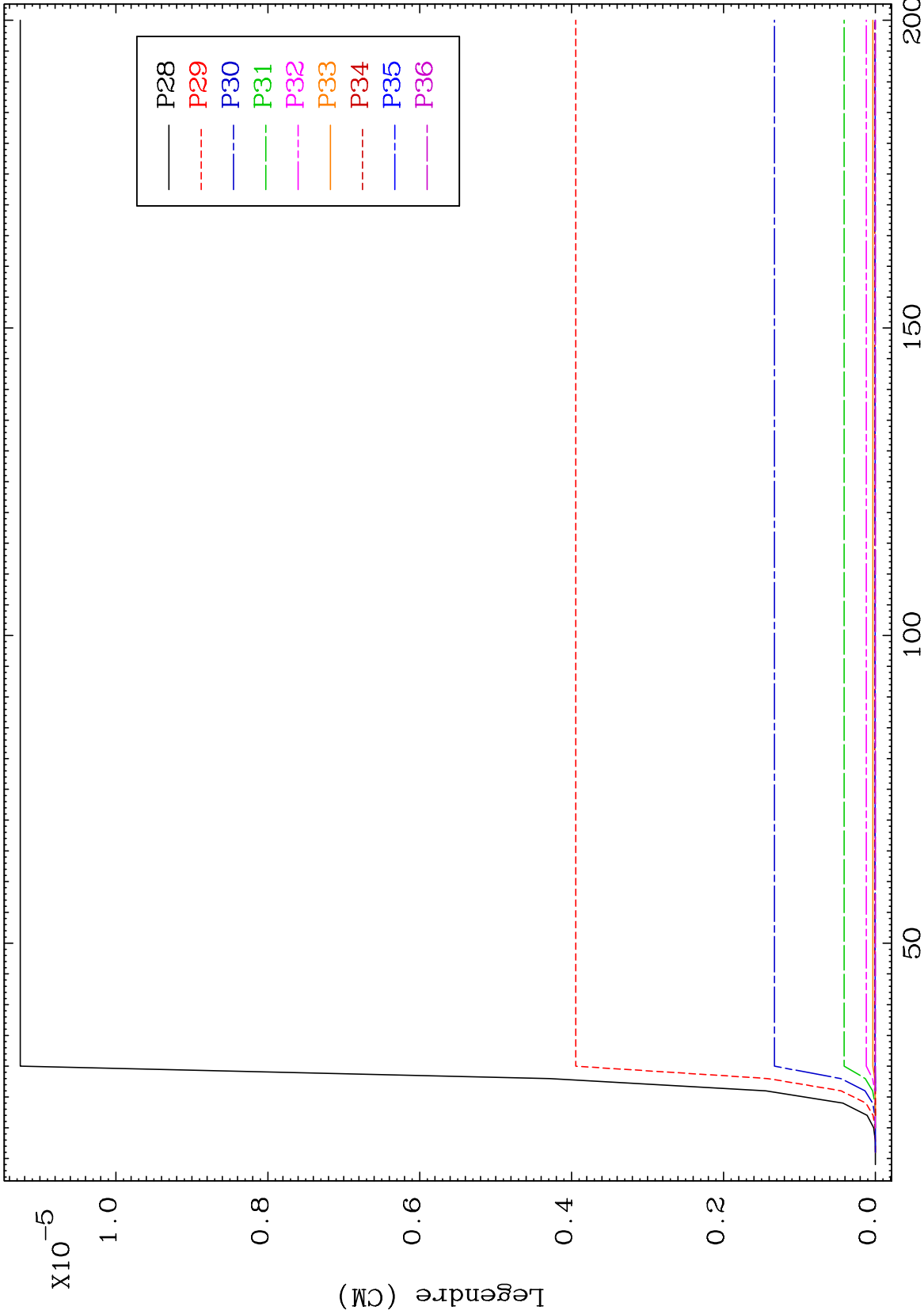
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70-Yb-151

MAT 6974

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

70-Yb-151



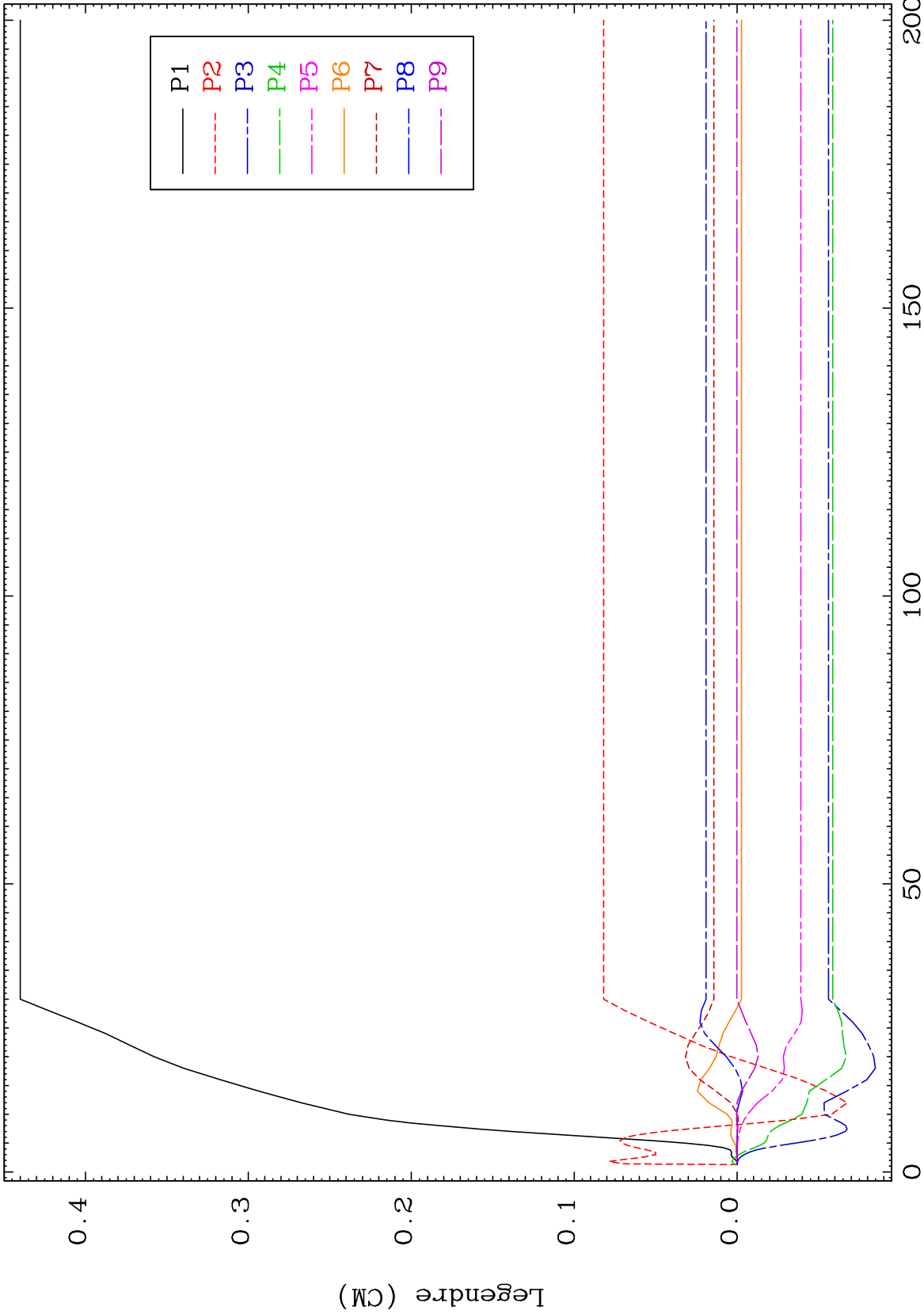
51

70-Yb-151

MAT 6974

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

70-Yb-151



52

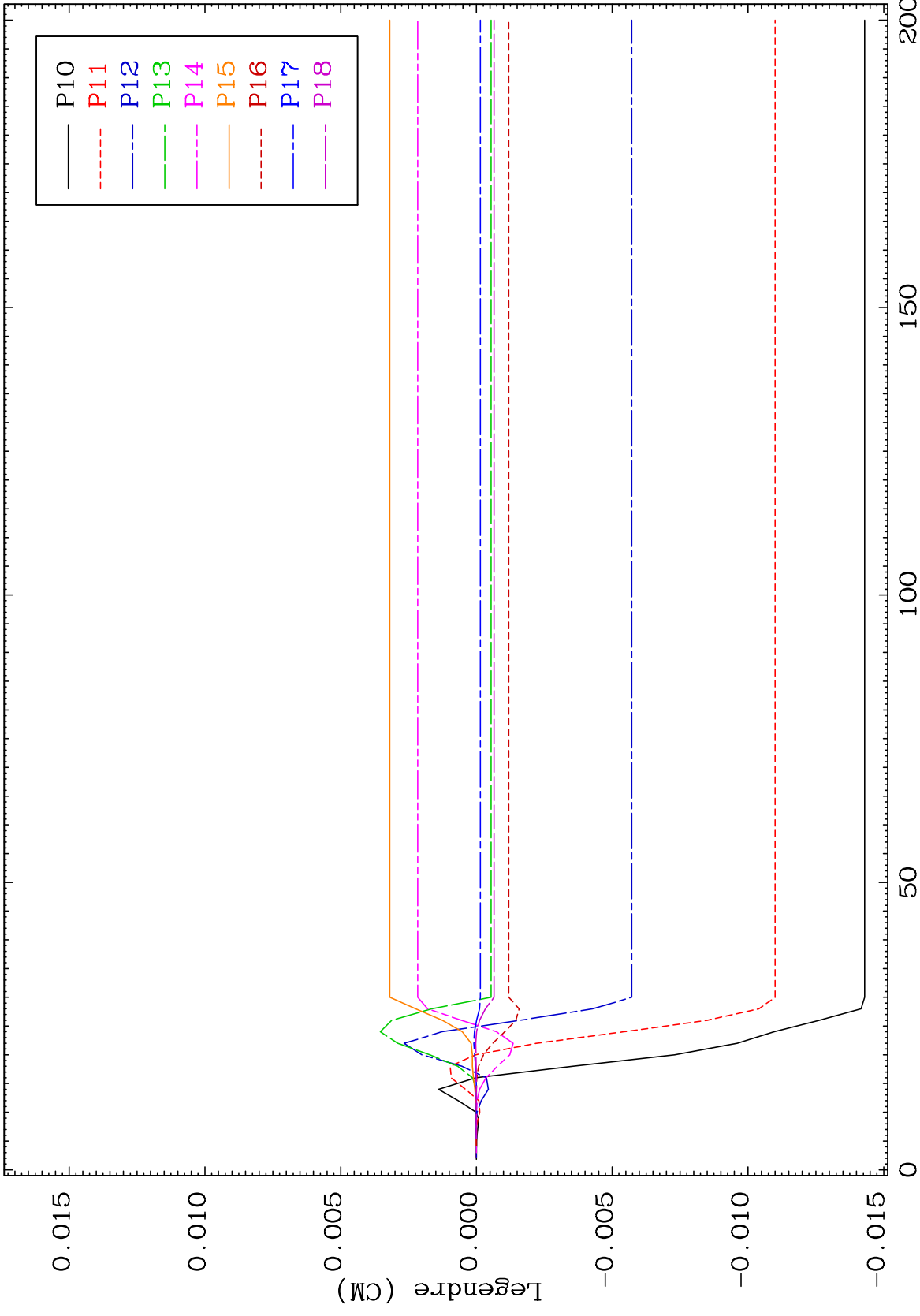
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151

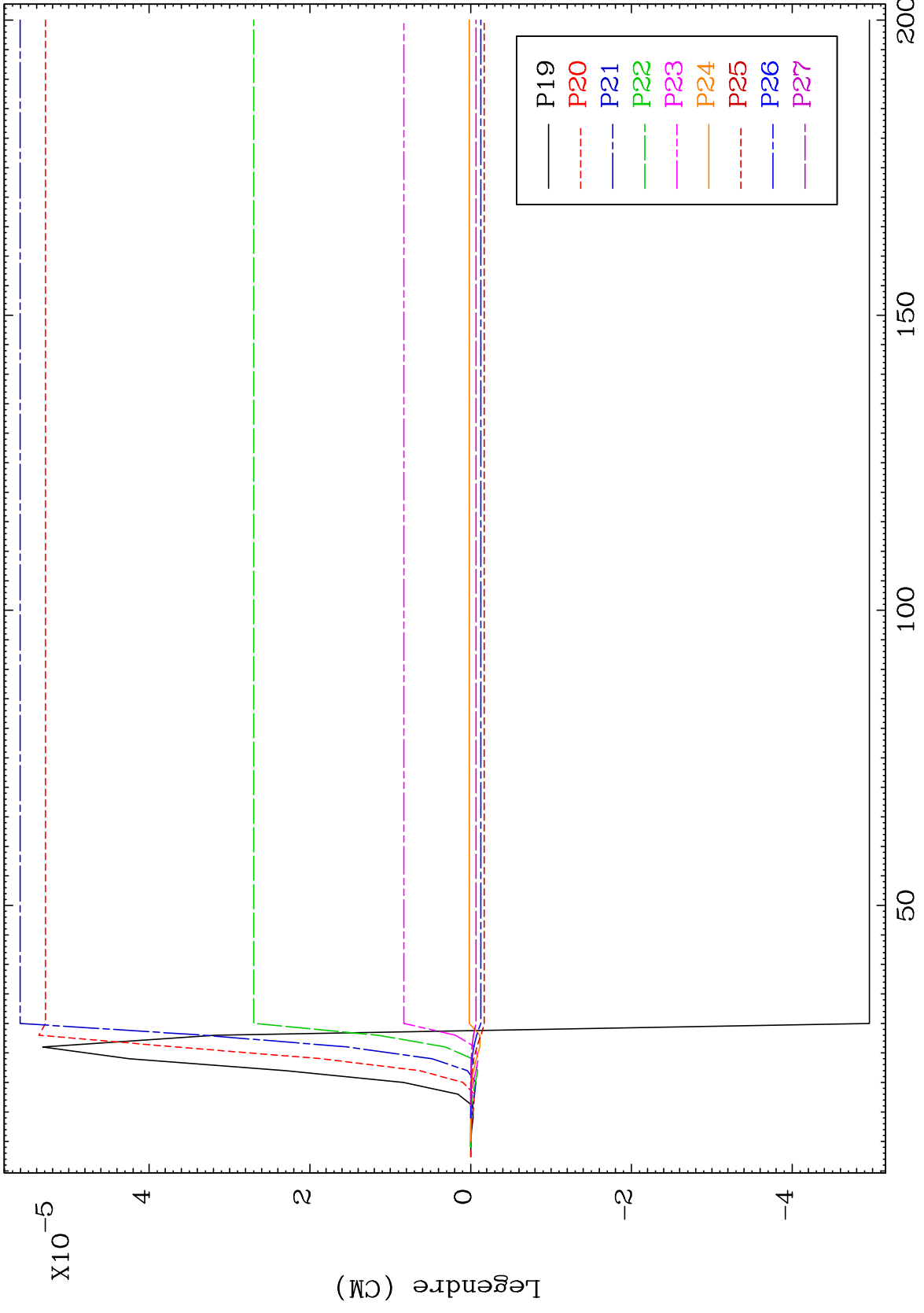


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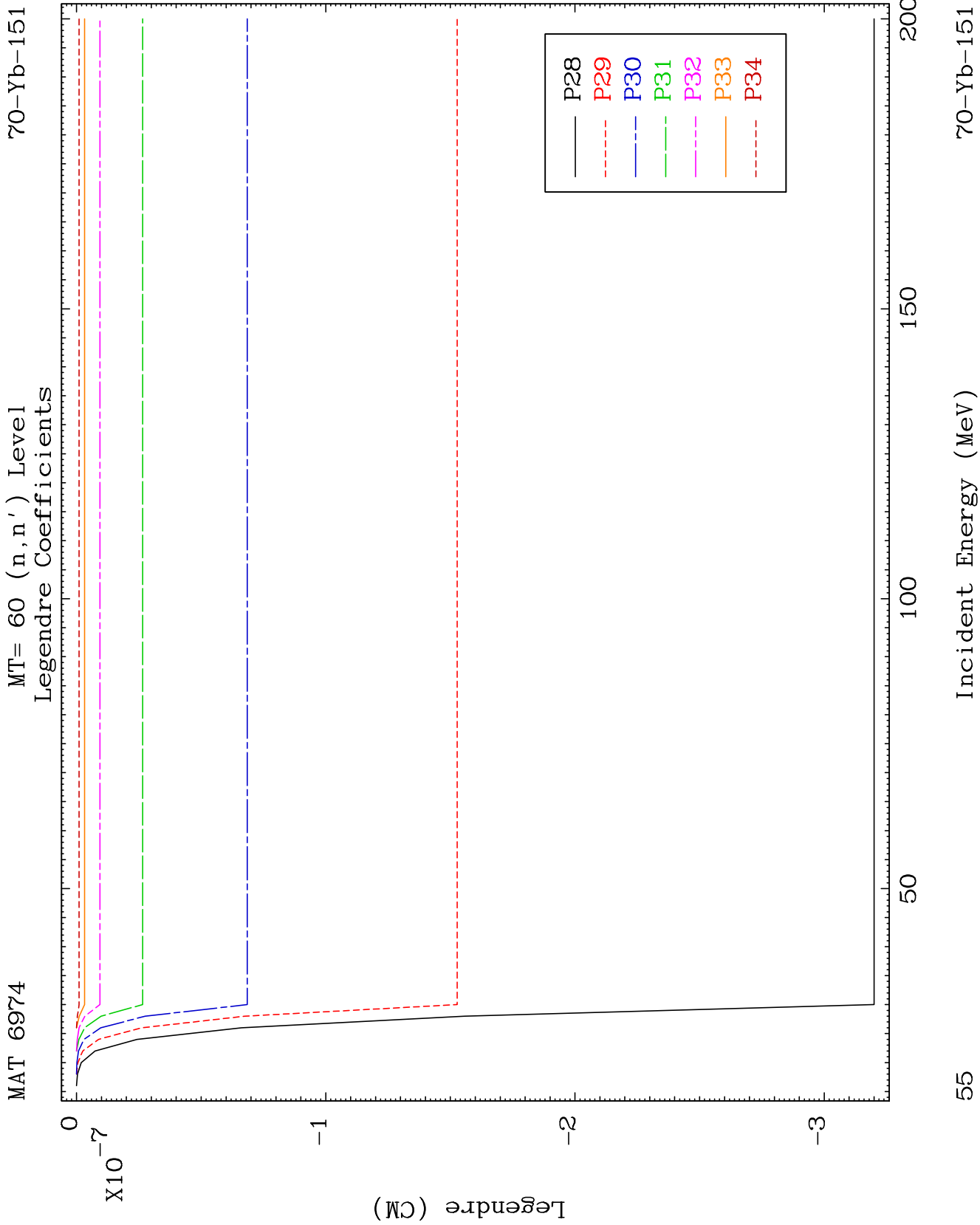
Incident Energy (MeV)

70-Yb-151

MAT 6974 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-151



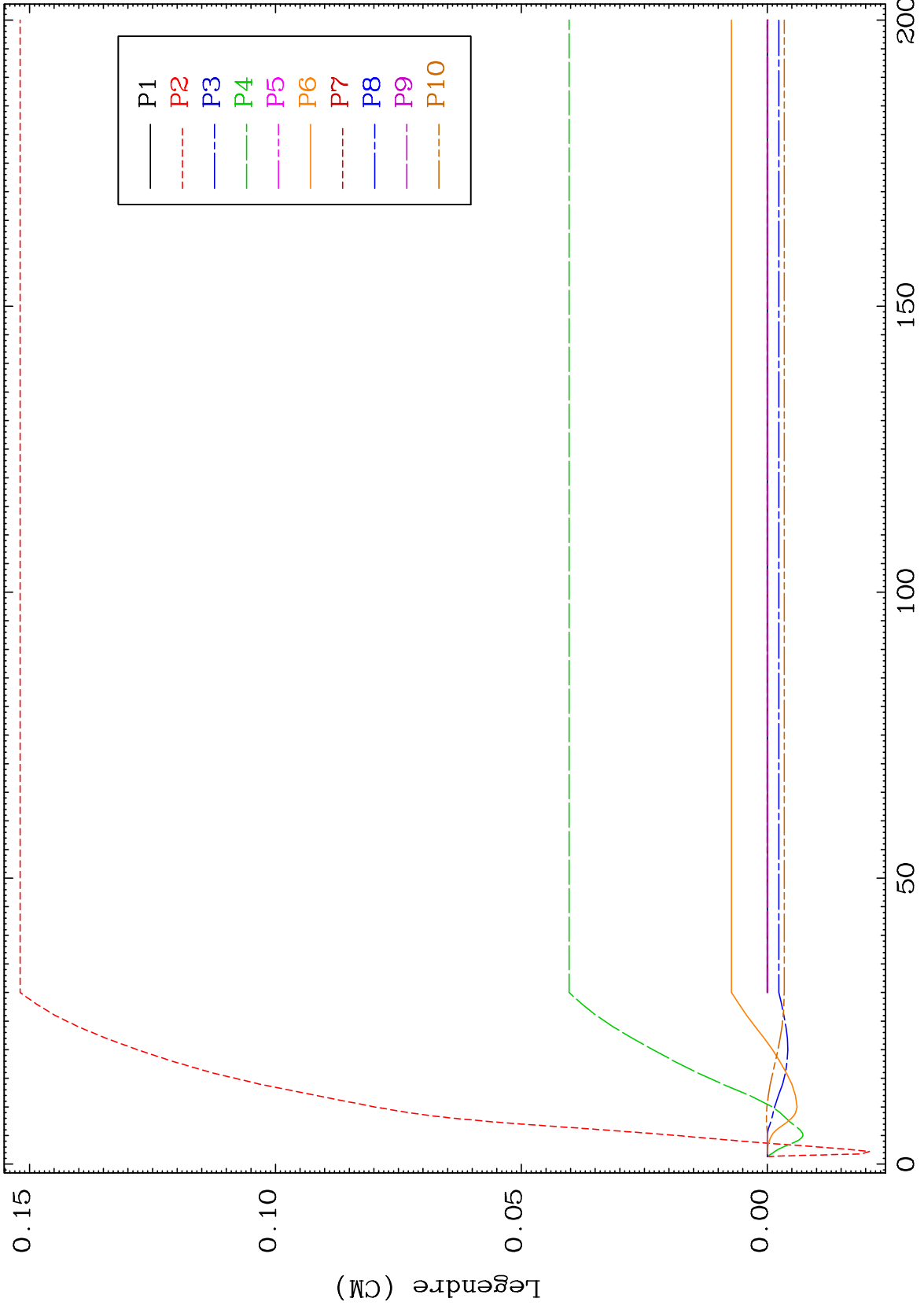
54 Incident Energy (MeV) 70-Yb-151



MAT 6974

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

70-Yb-151



56

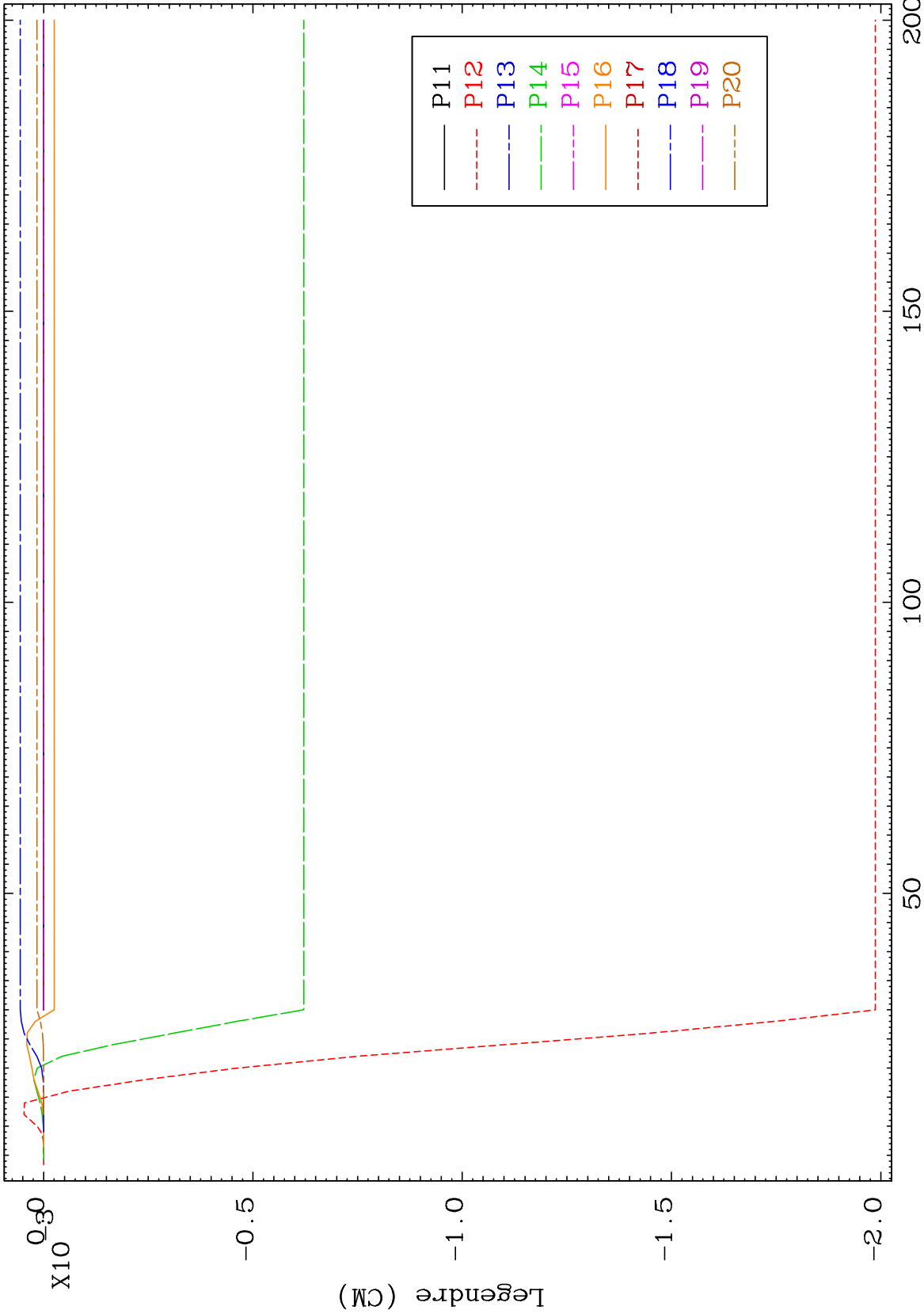
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



57

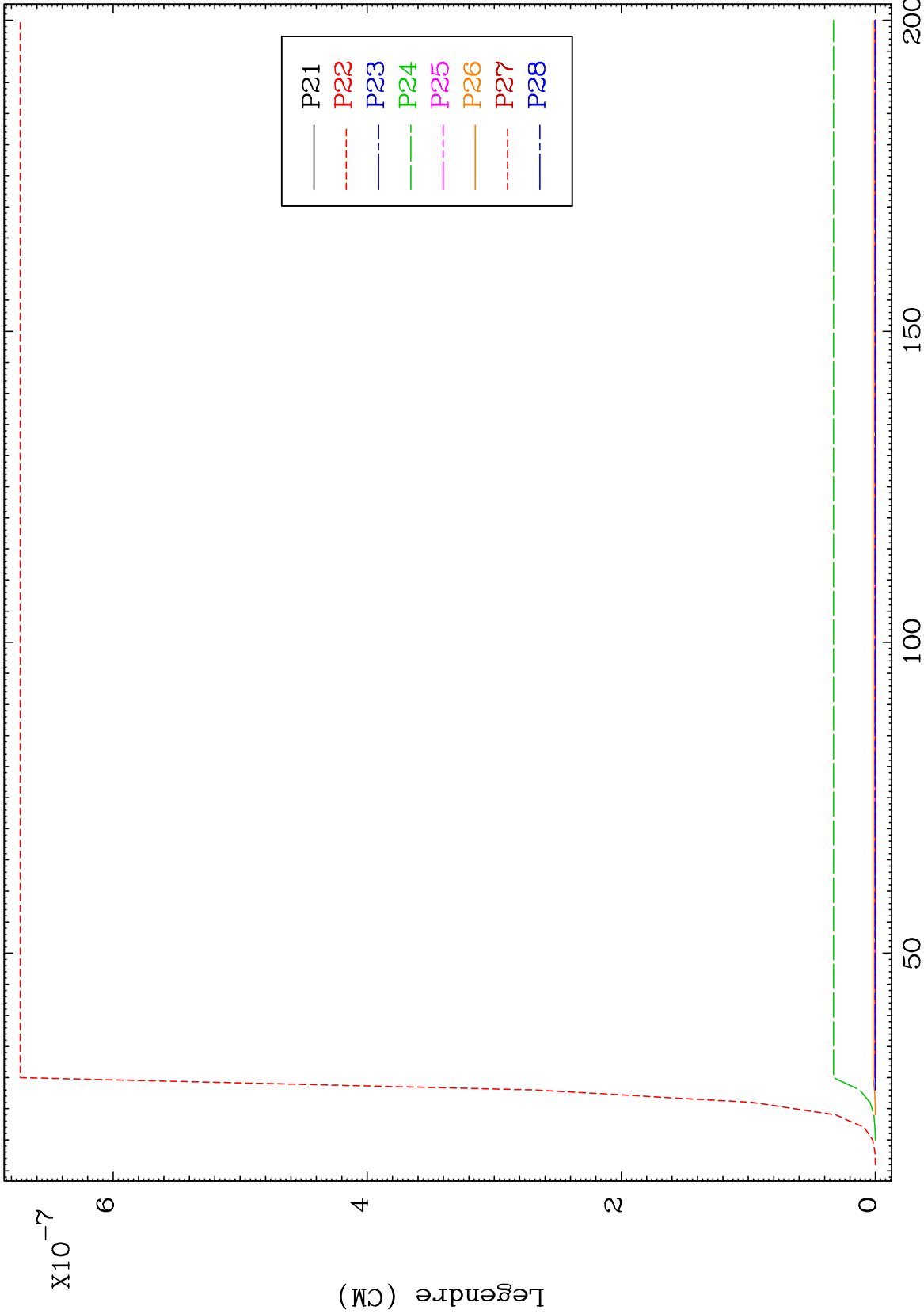
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



58

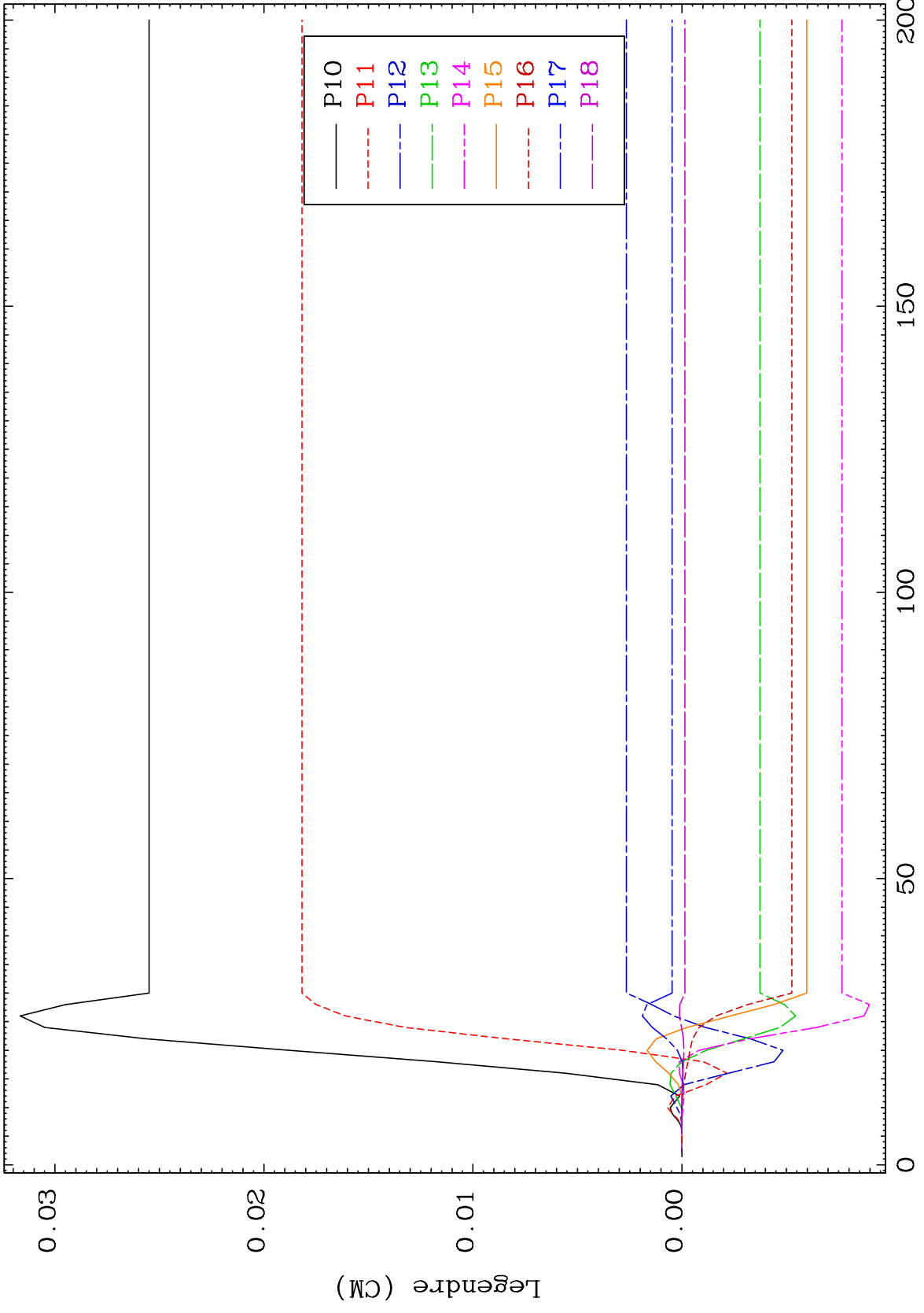
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



60

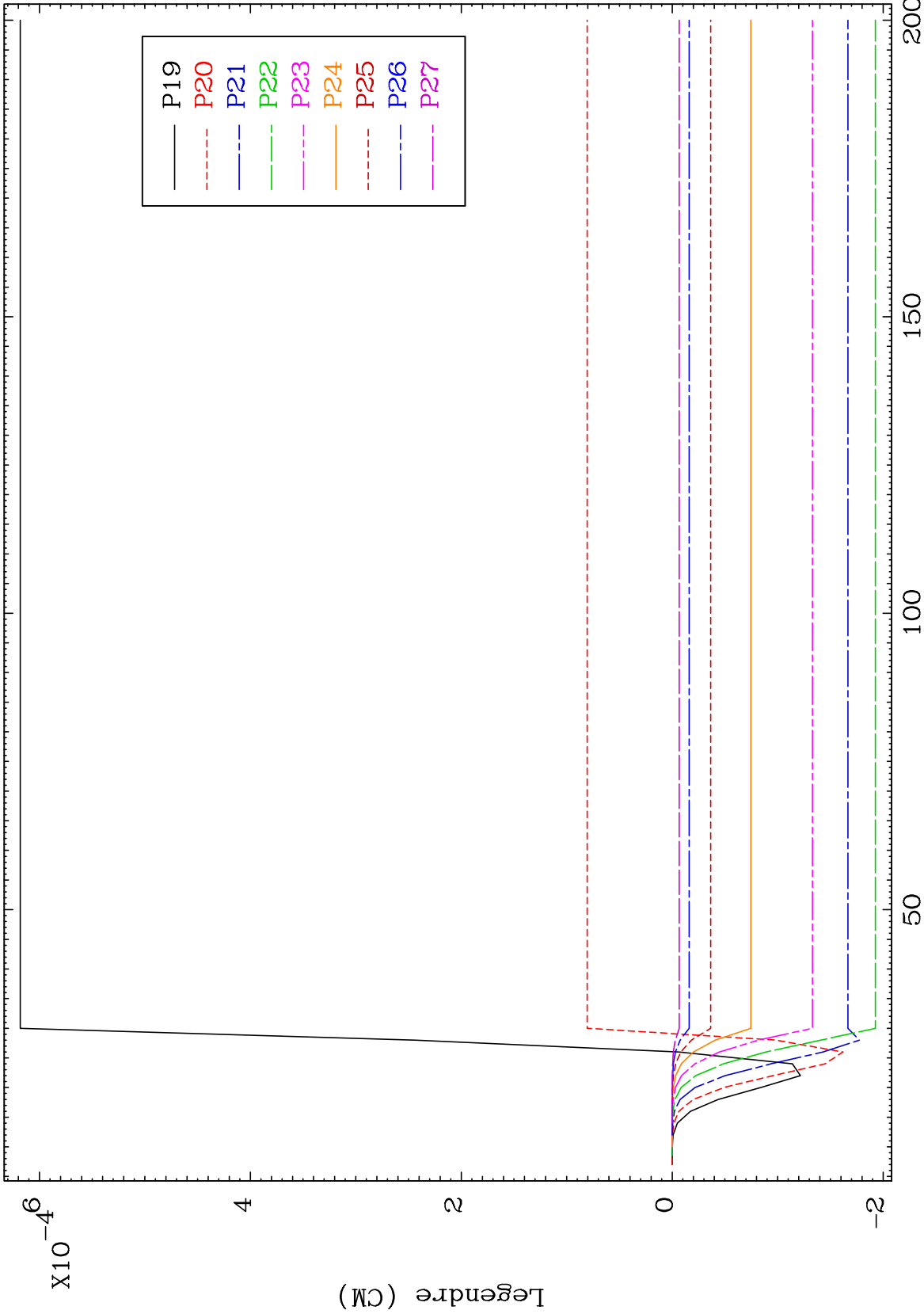
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

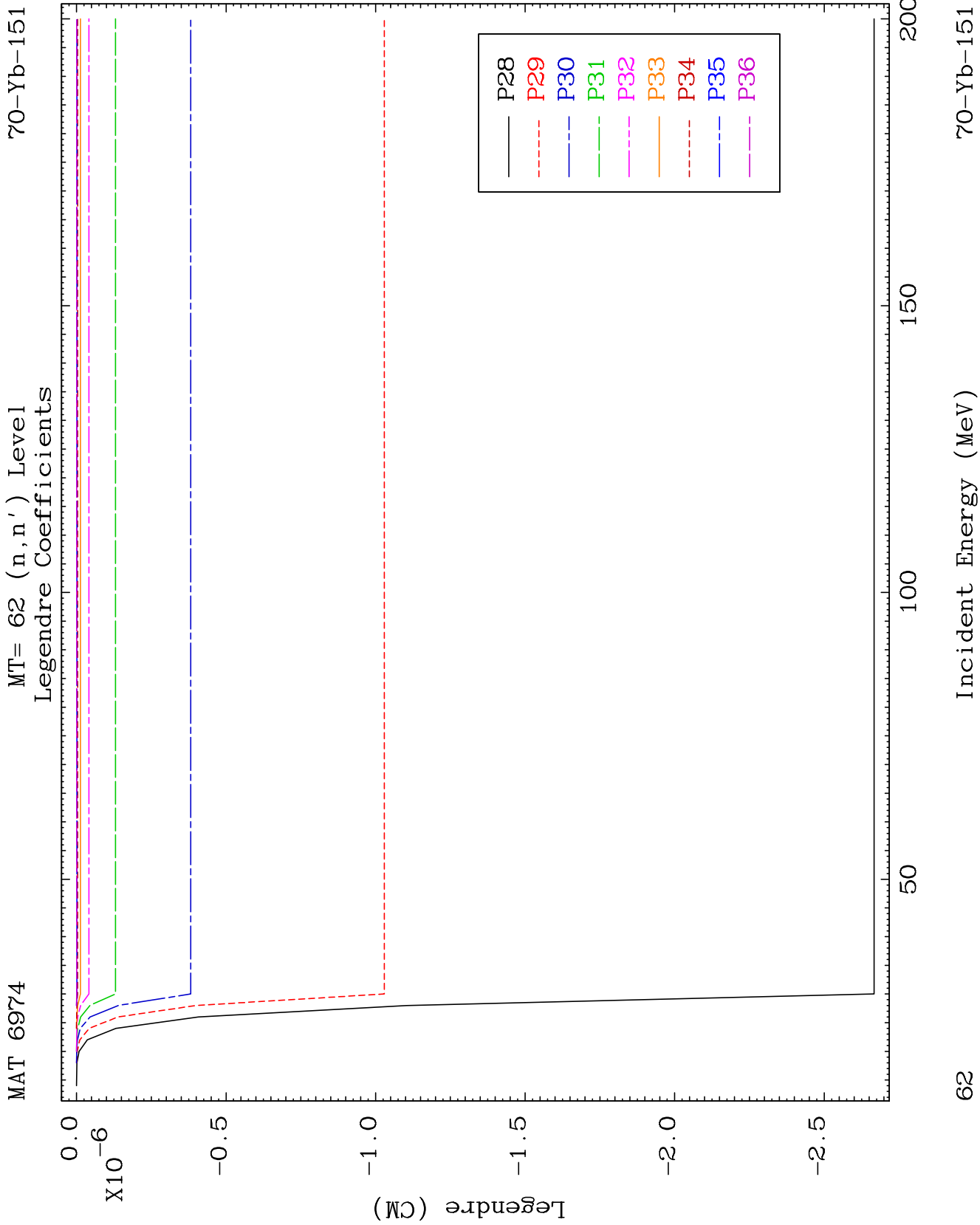
70-Yb-151



61

Incident Energy (MeV)

70-Yb-151

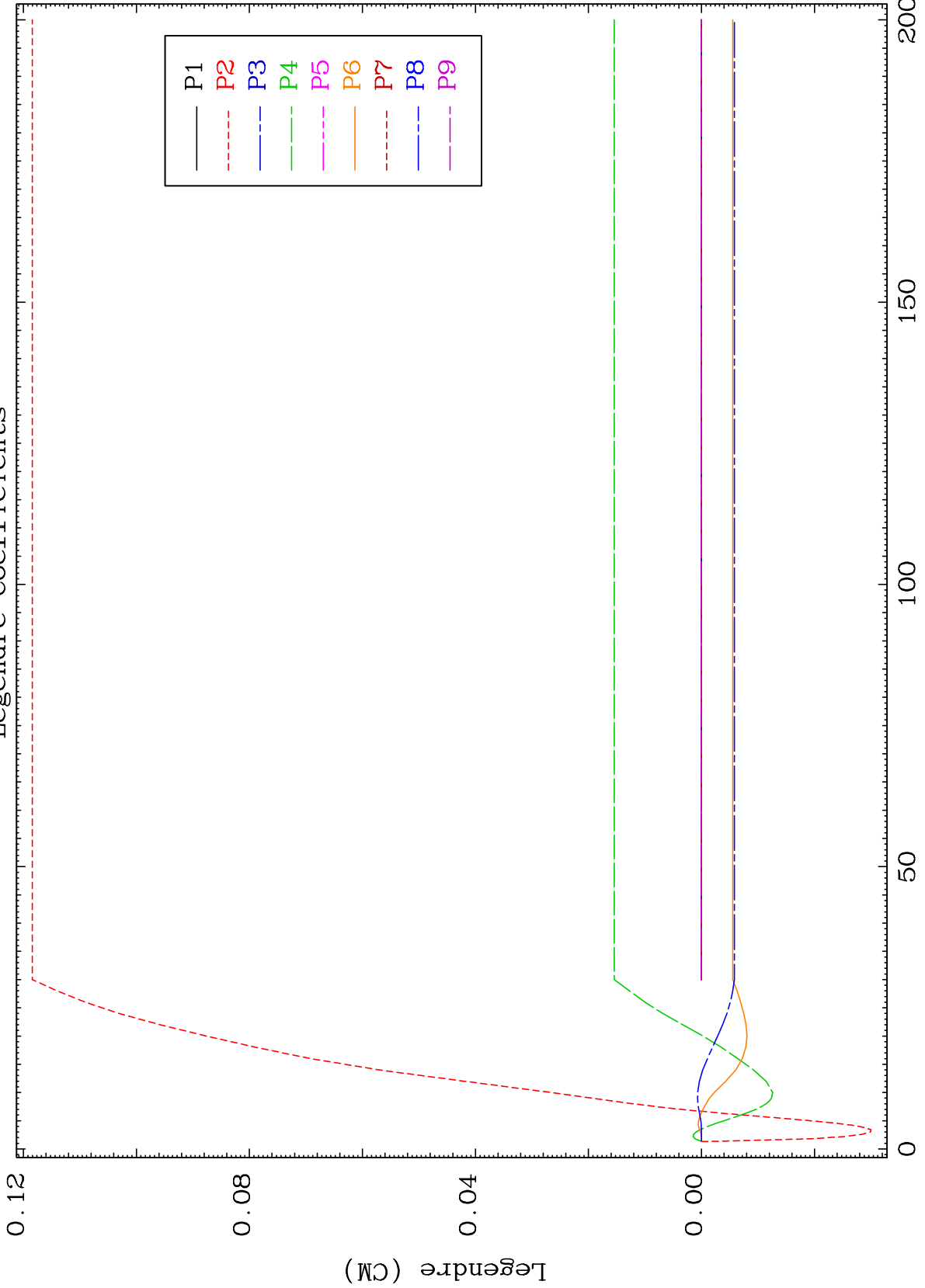


MAT 6974 MT= 63 (n,n') Level Legendre Coefficients

70-Yb-151

63

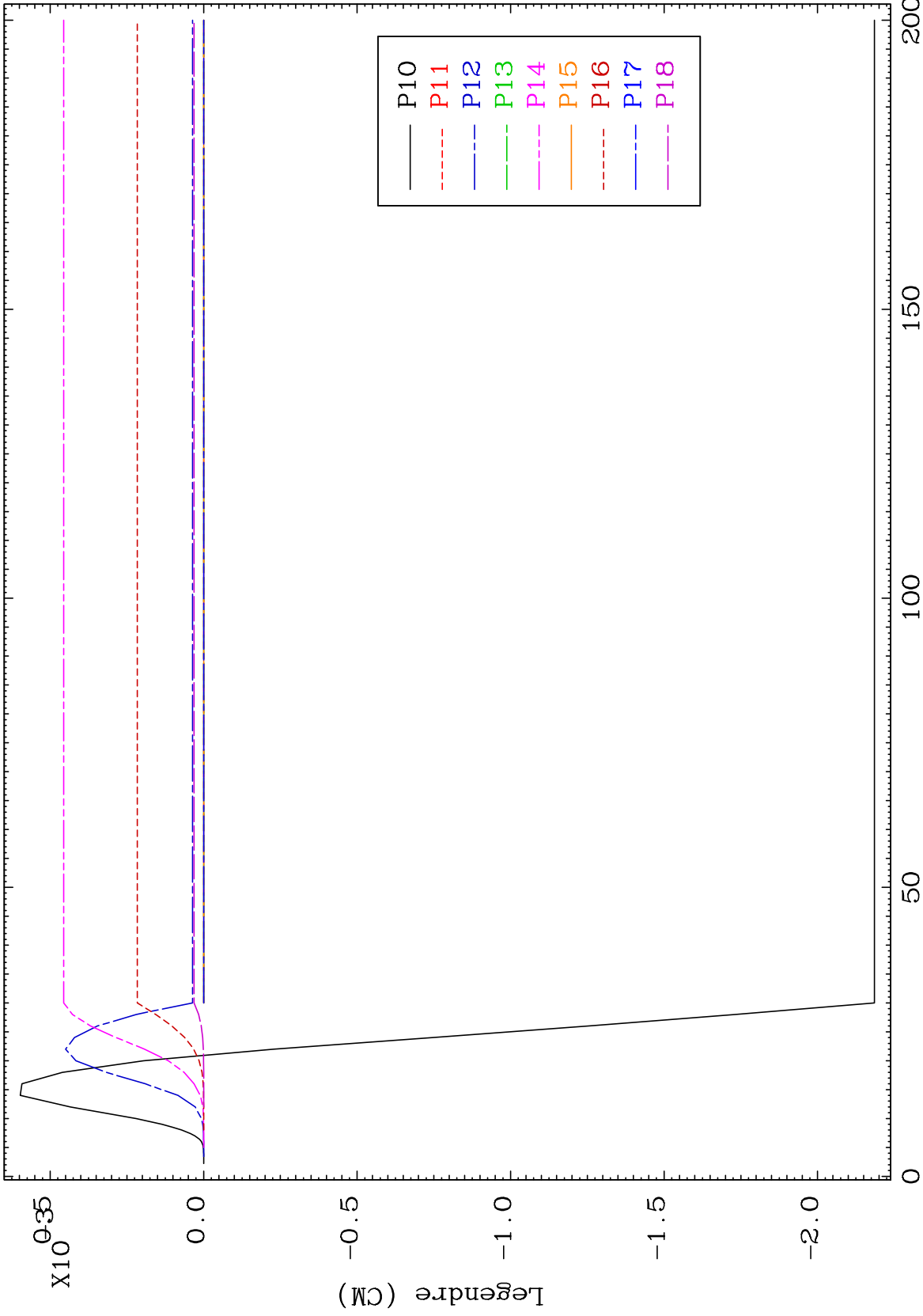
70-Yb-151



MAT 6974

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

70-Yb-151



64

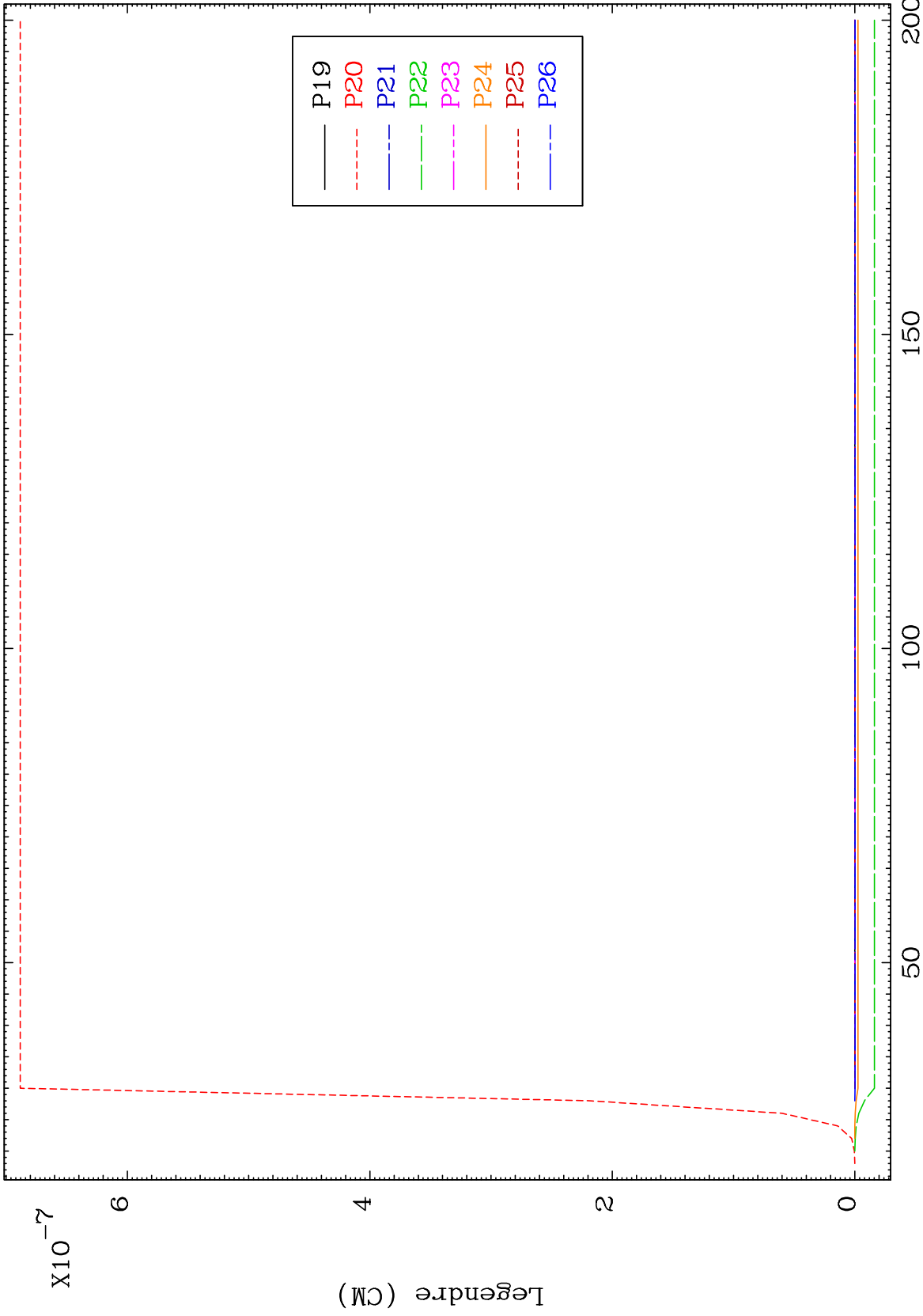
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



65

Incident Energy (MeV)

50

100

150

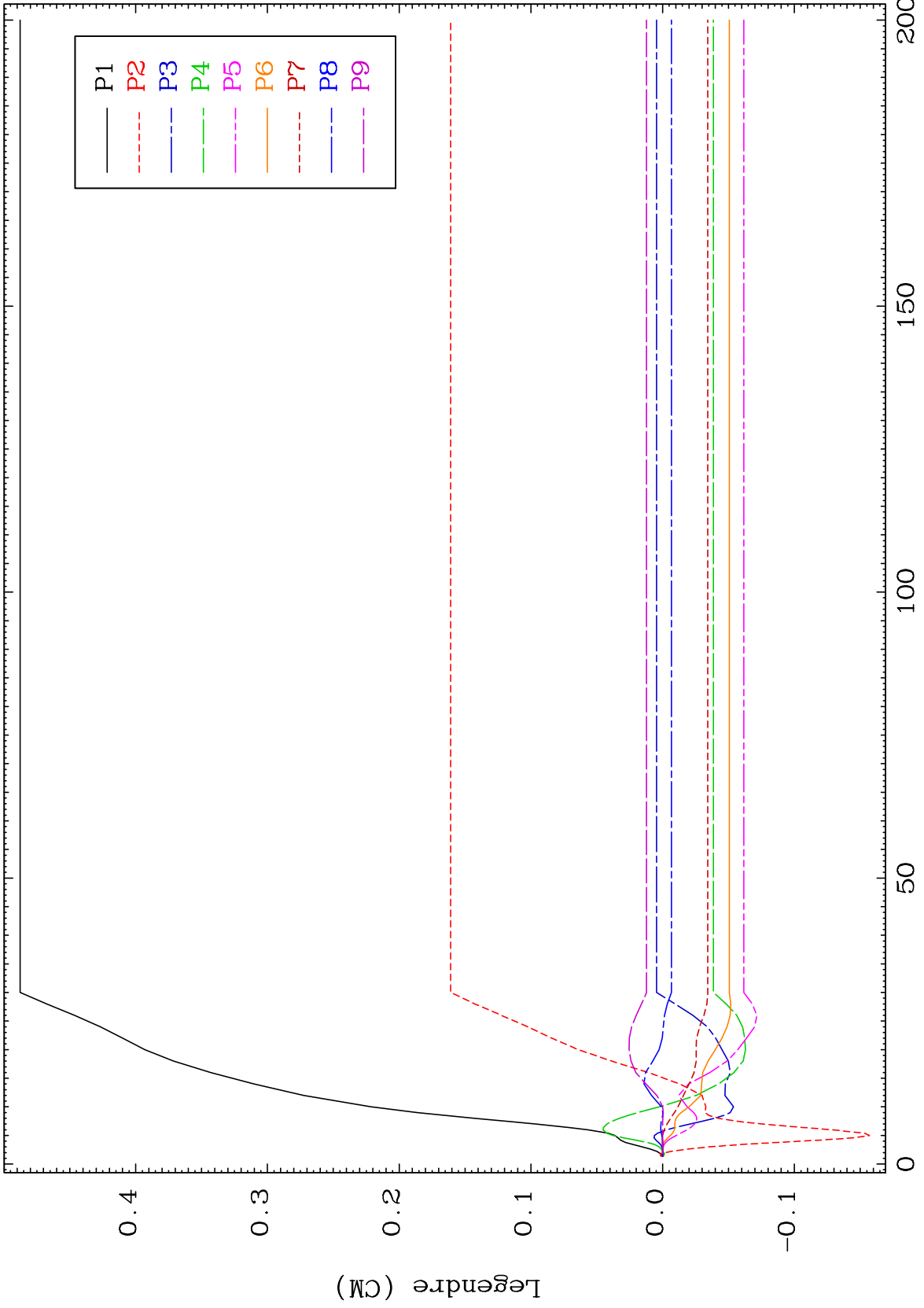
200

70-Yb-151

MAT 6974

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

70-Yb-151



66

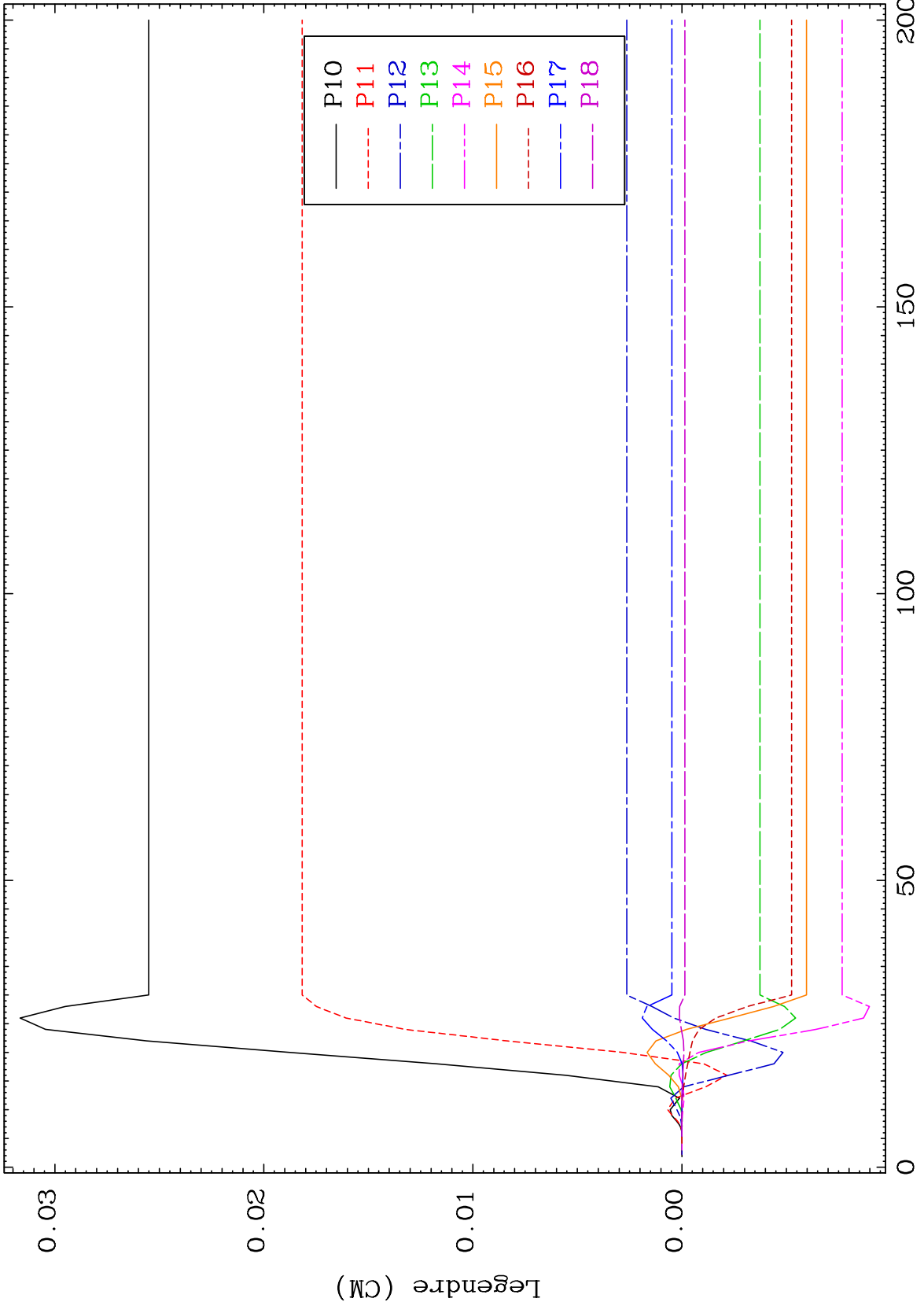
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



67

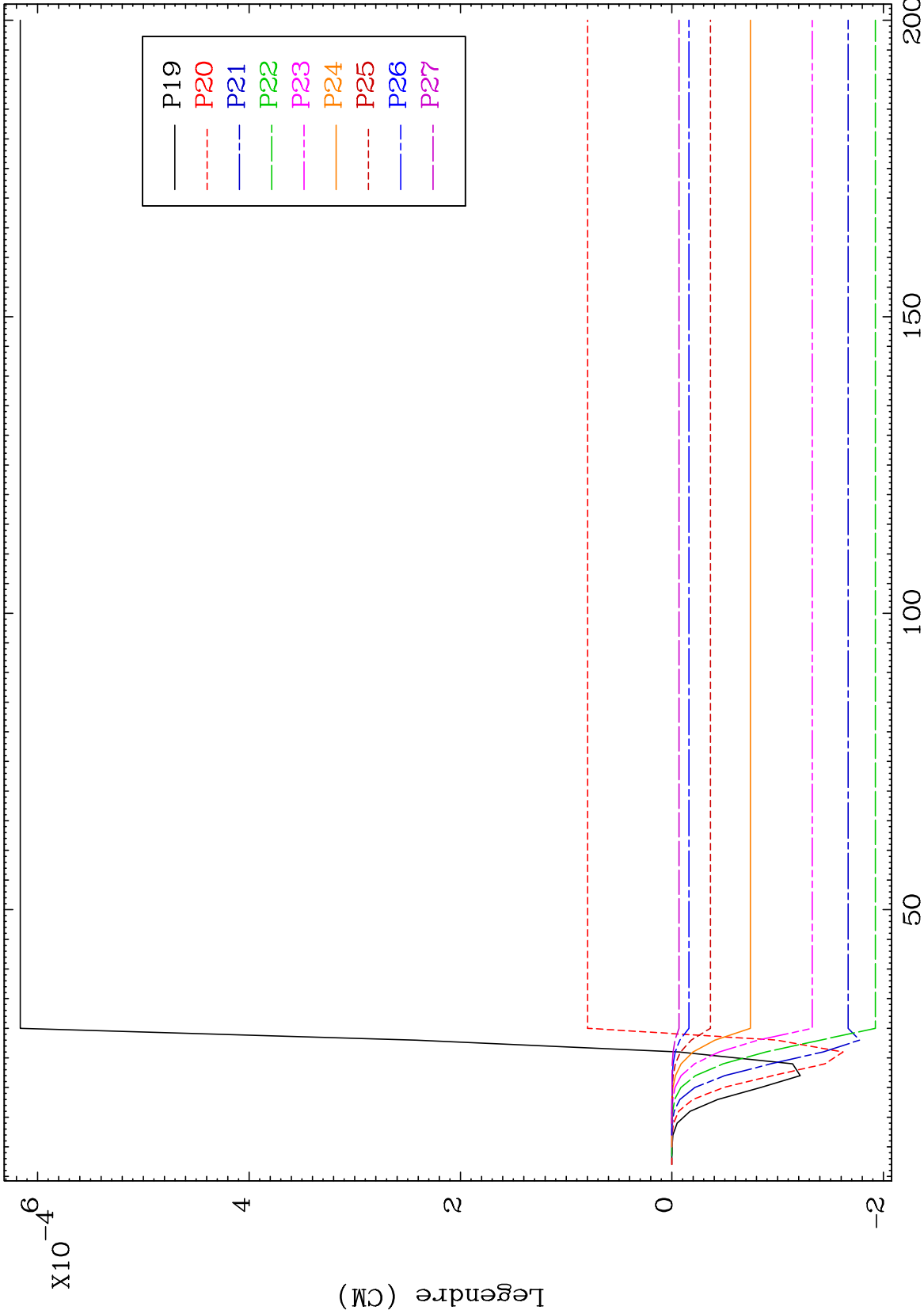
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151

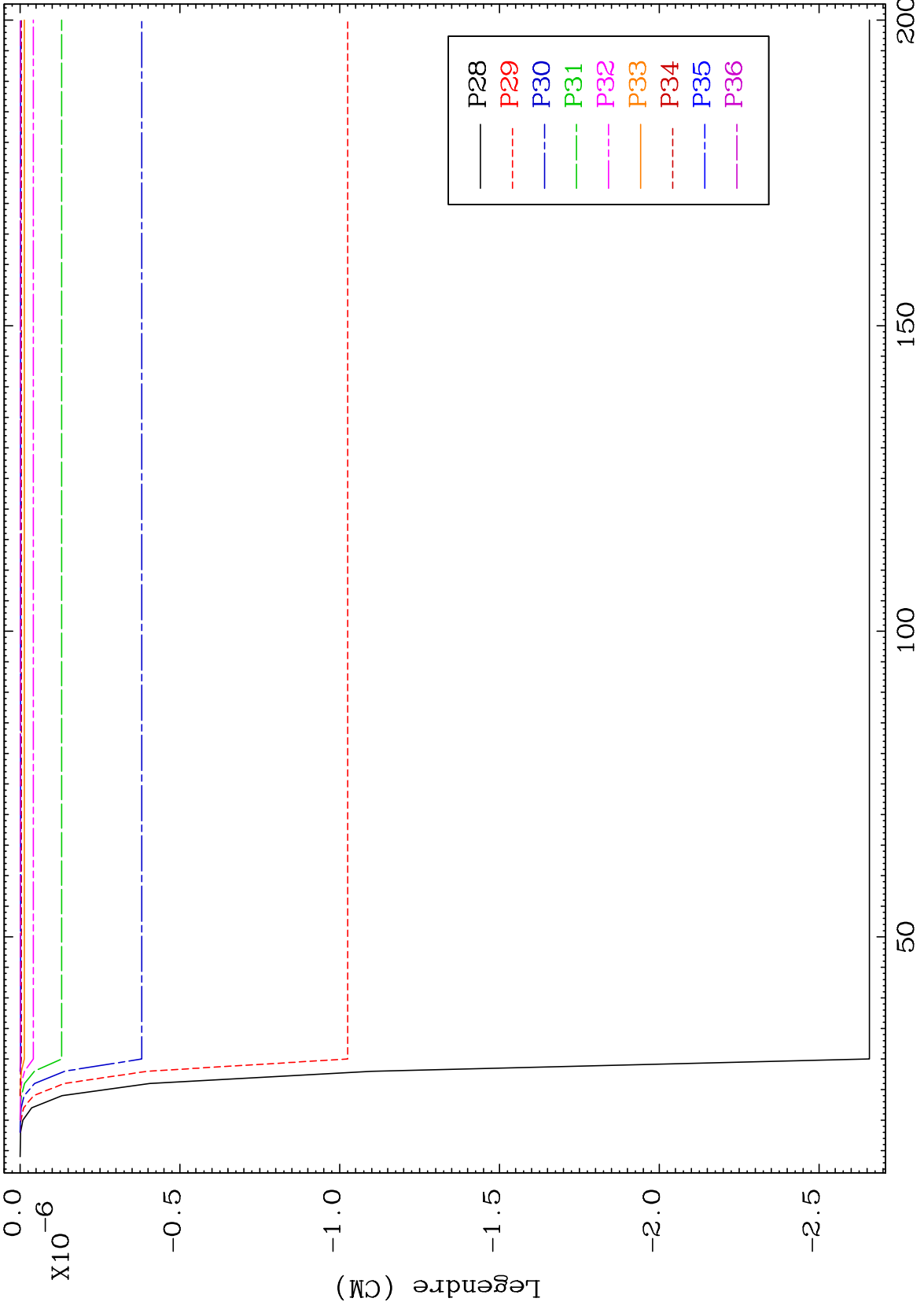


68

Incident Energy (MeV)

70-Yb-151

MAT 6974 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-151

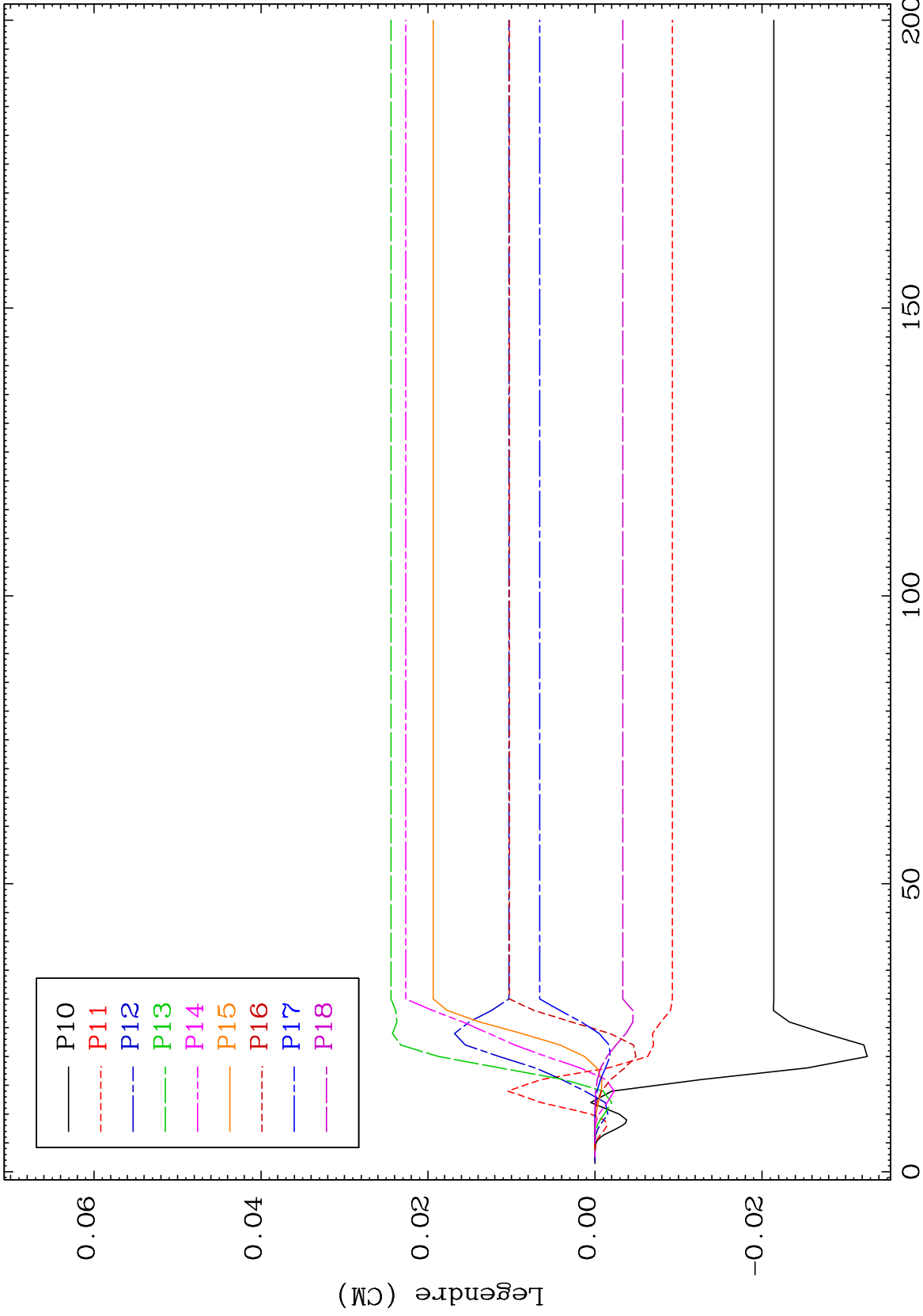


69 70-Yb-151

MAT 6974

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

70-Yb-151



71

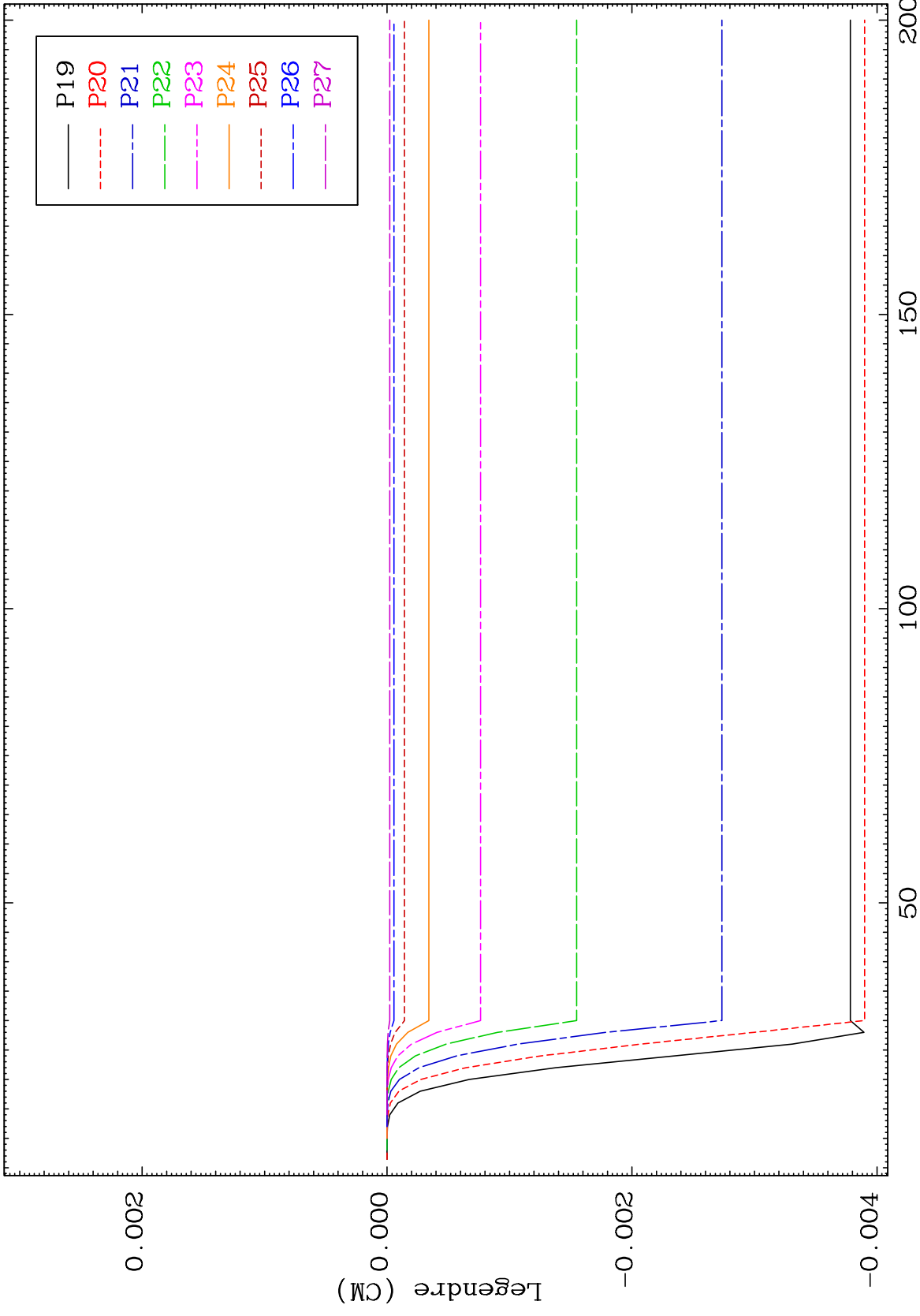
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151

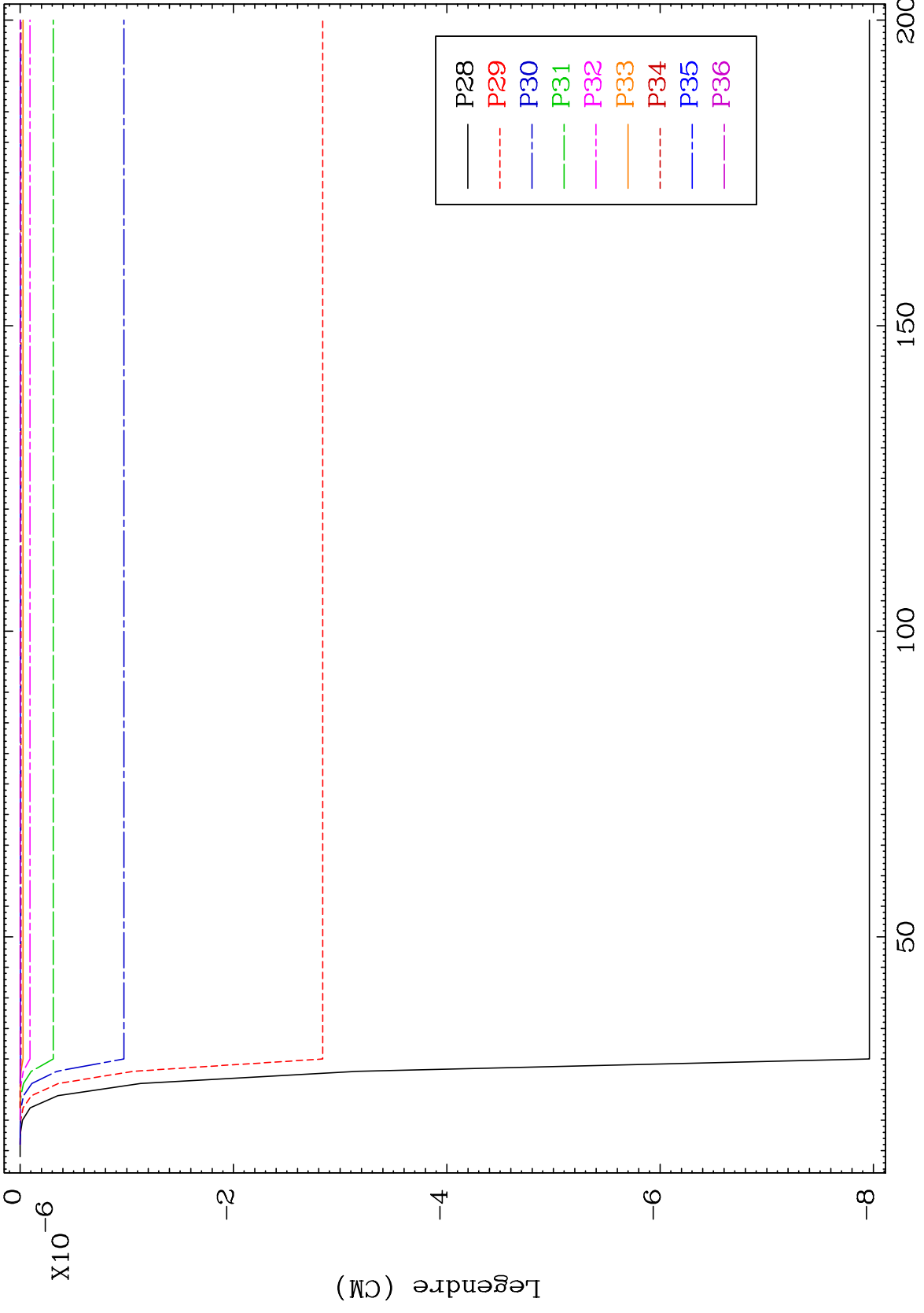


72

Incident Energy (MeV)

70-Yb-151

MAT 6974 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-151

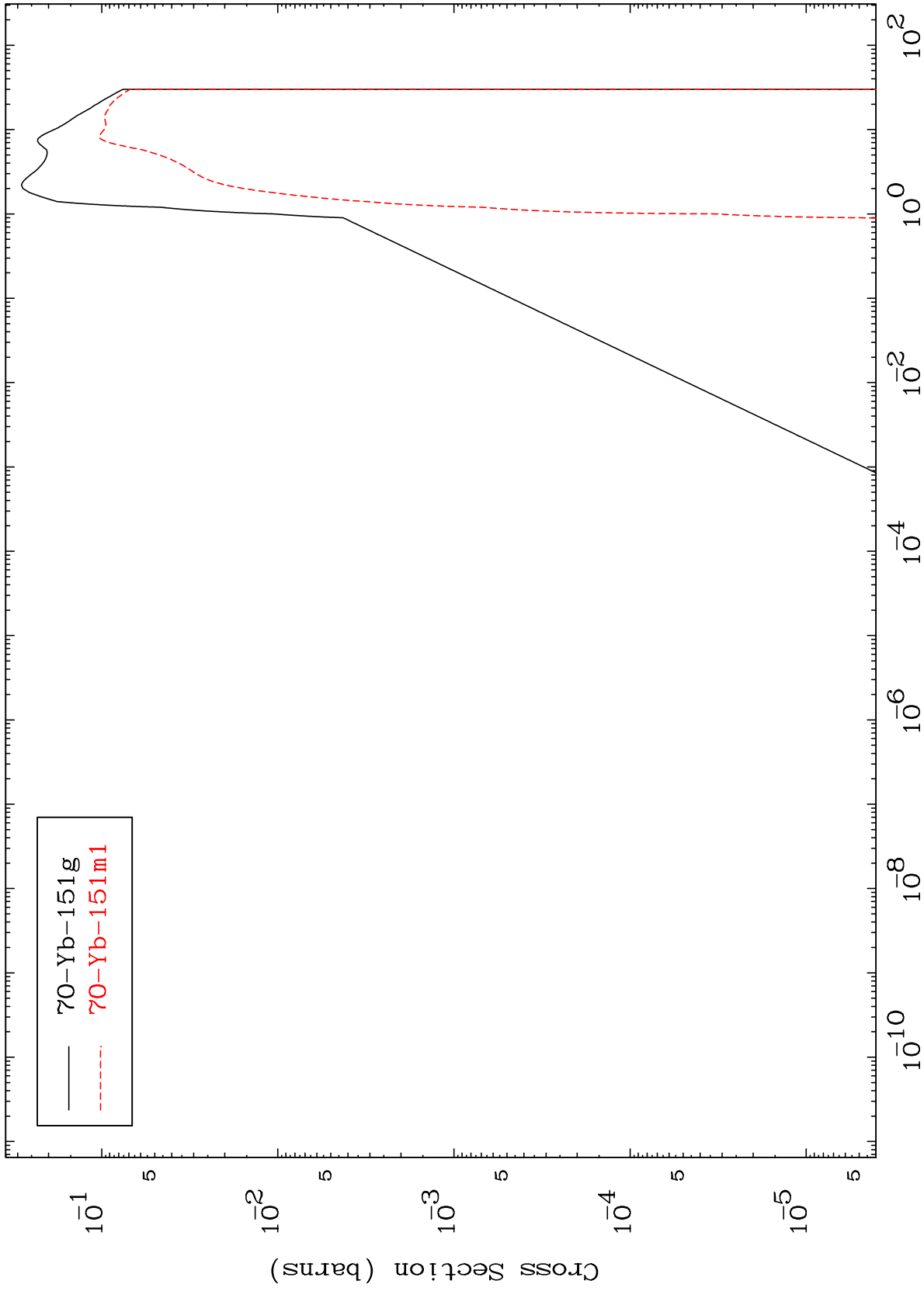


73 Incident Energy (MeV) 70-Yb-151

MAT 6974

Inelastic
Radionuclide Production Cross Section

70-Yb-151



70-Yb-151 g
70-Yb-151 m1

74

Incident Energy (MeV)

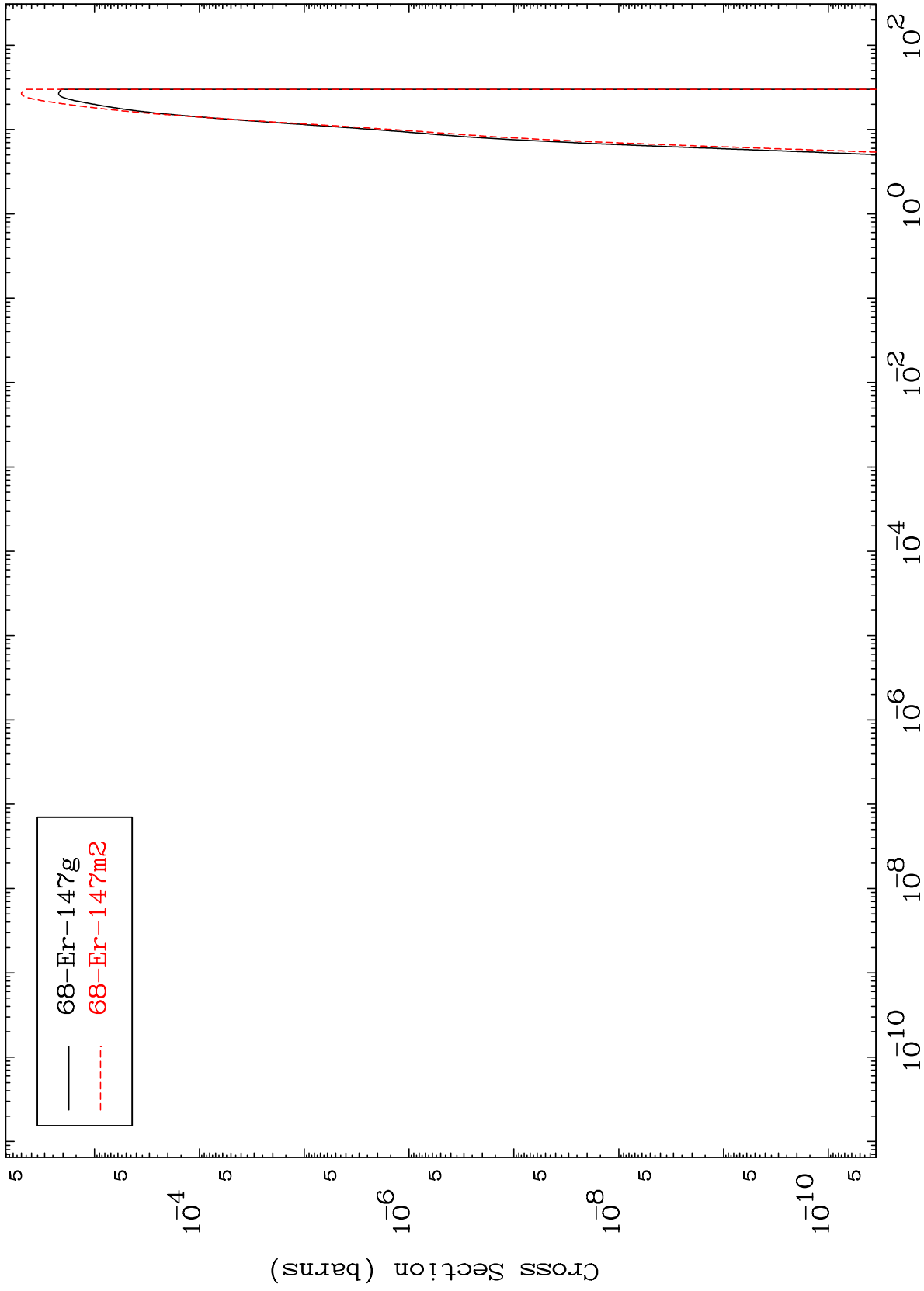
70-Yb-151

MAT 6974

(n,n') α

70-Yb-151

Radionuclide Production Cross Section



75

Incident Energy (MeV)

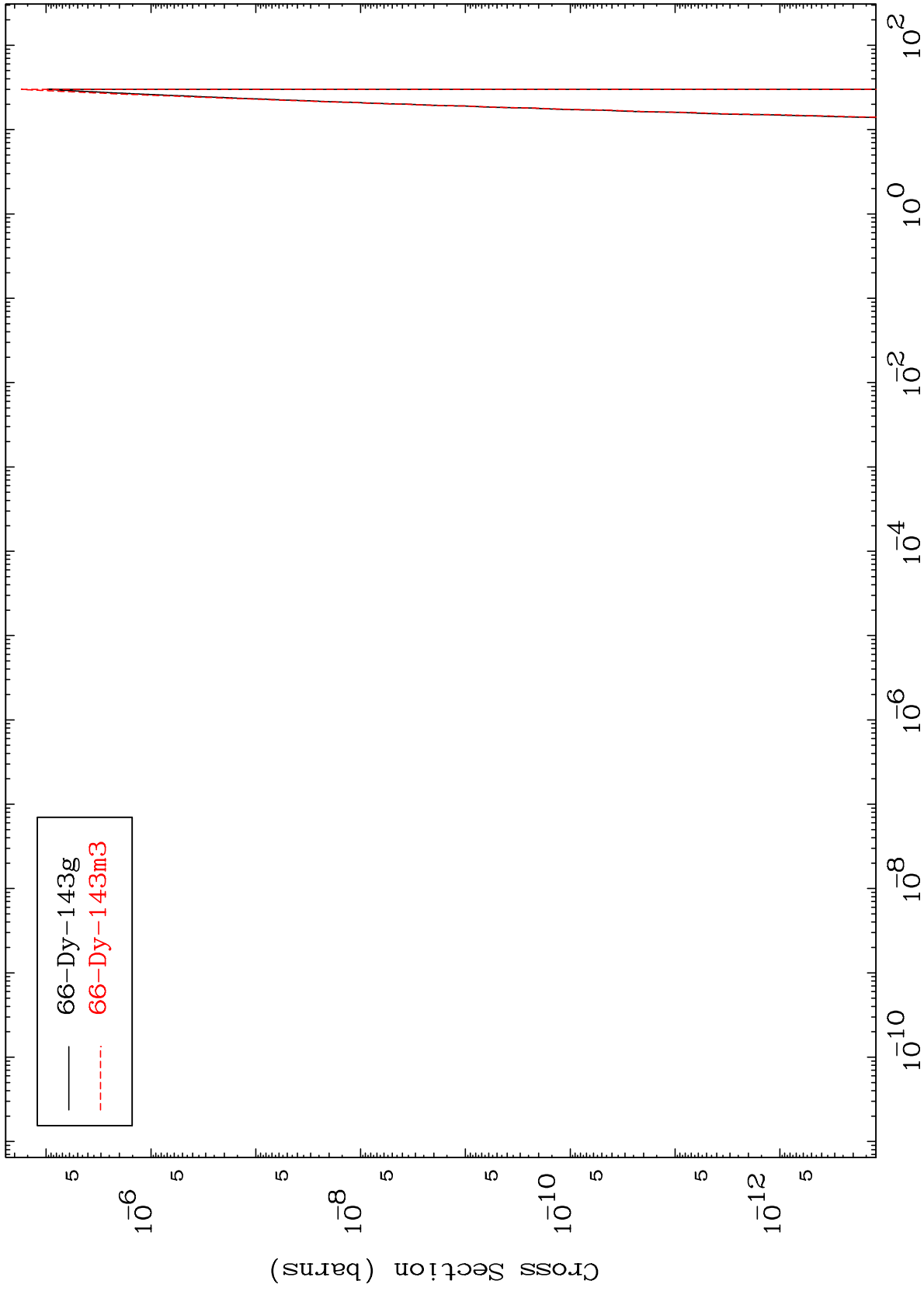
70-Yb-151

MAT 6974

(n,n') 2 α

70-Yb-151

Radionuclide Production Cross Section



76

Incident Energy (MeV)

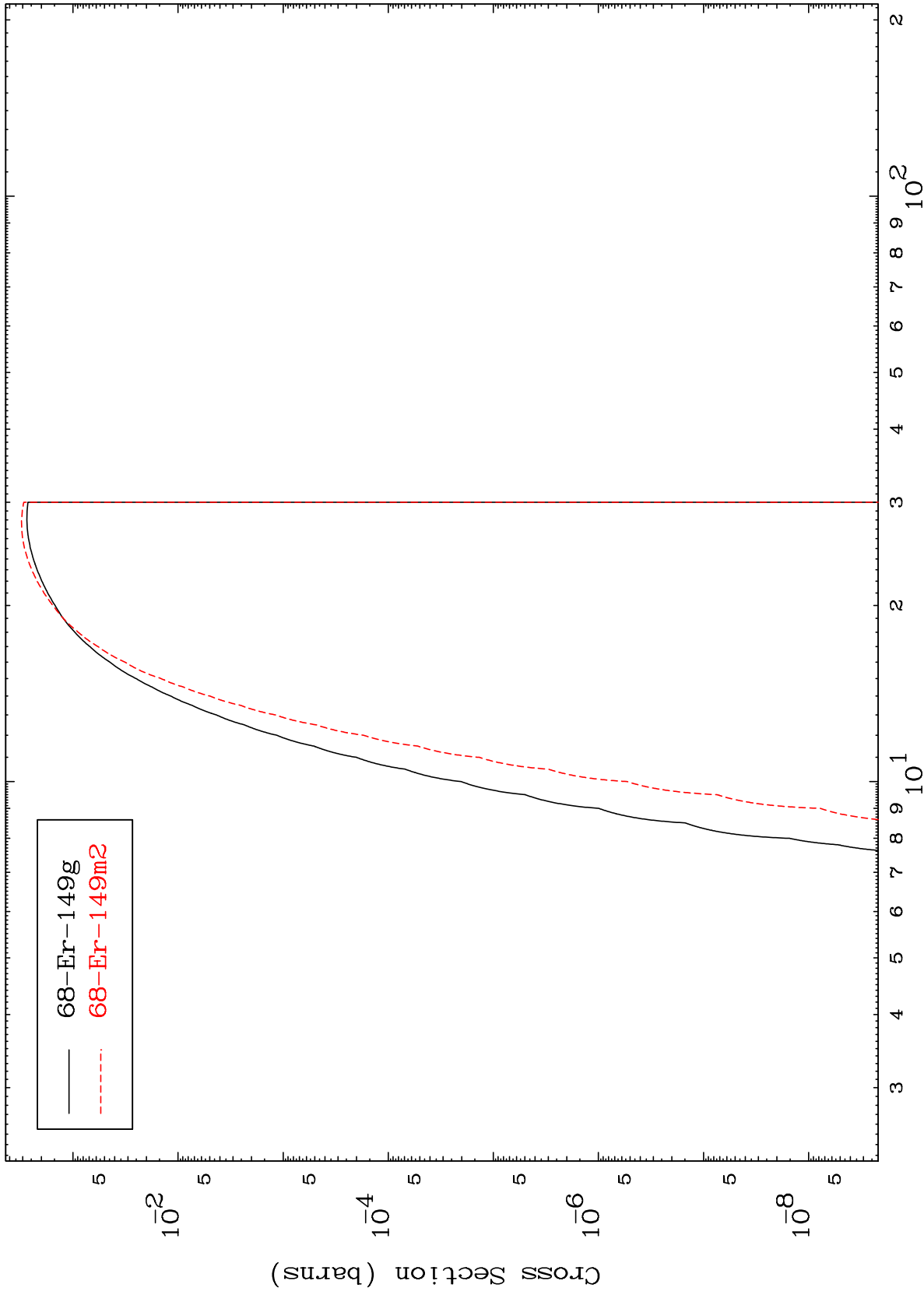
70-Yb-151

MAT 6974

(n,2n) p

70-Yb-151

Radionuclide Production Cross Section



77

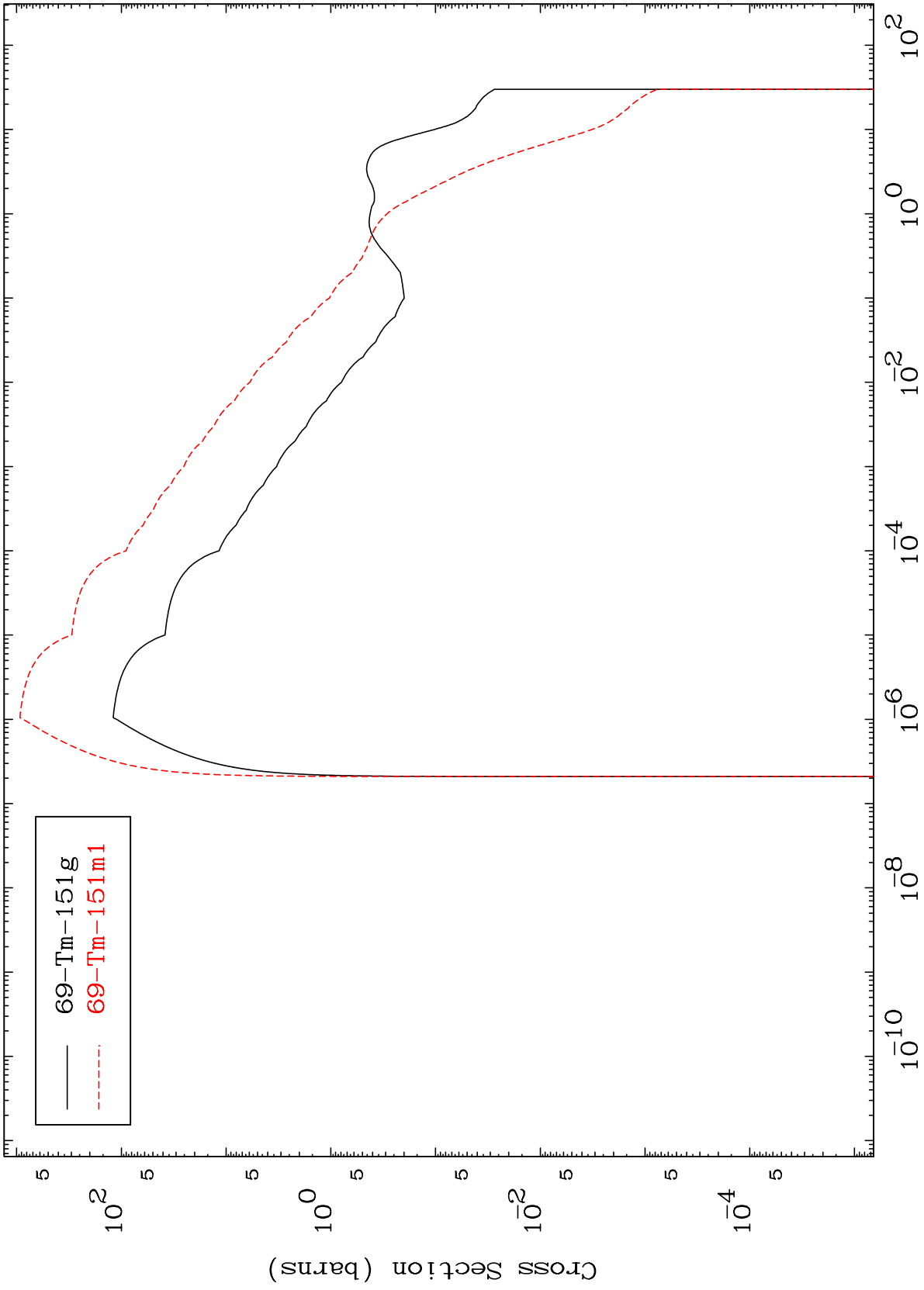
Incident Energy (MeV)

70-Yb-151

MAT 6974

70-Yb-151

Radionuclide Production Cross Section (n,p)

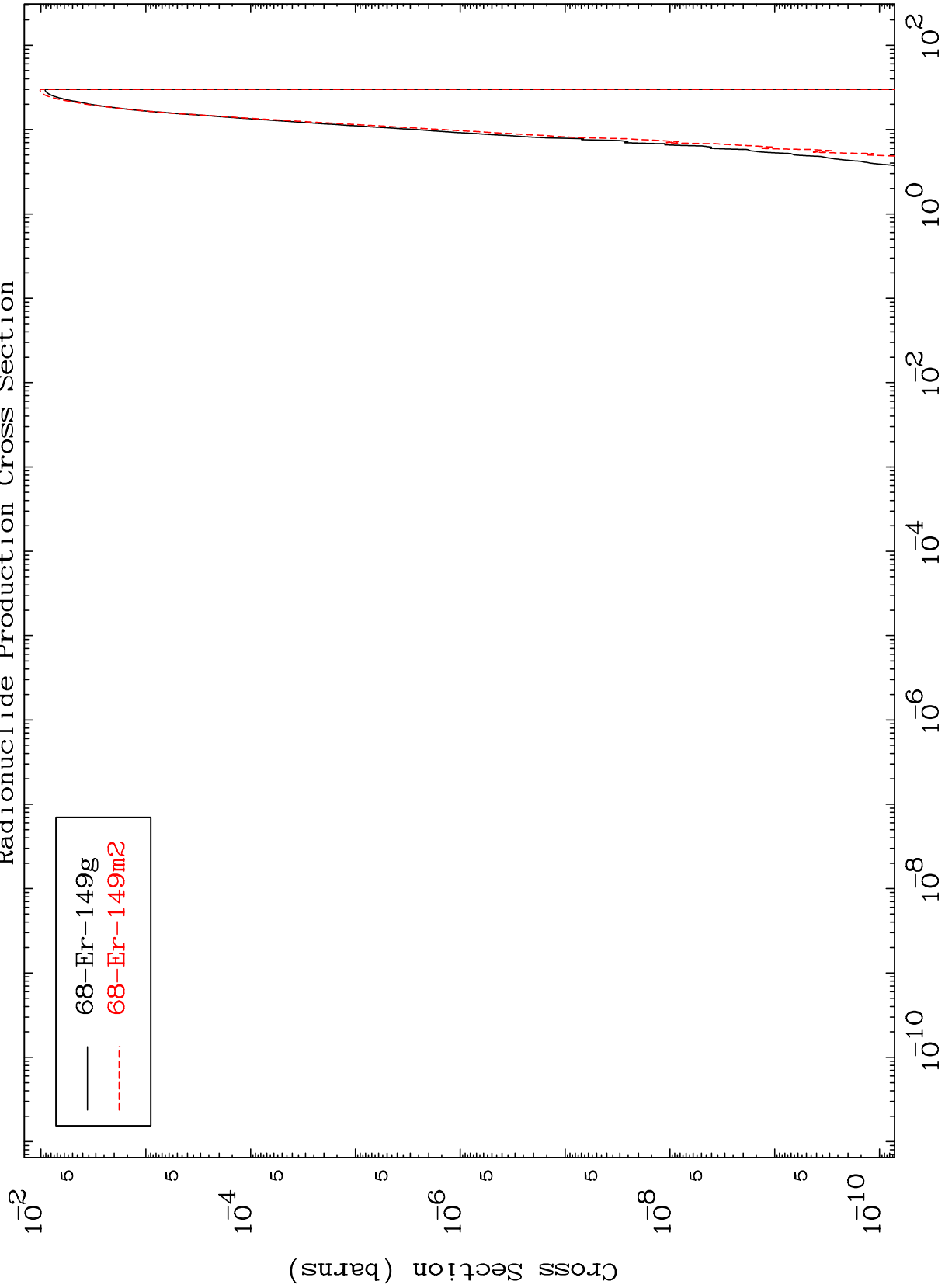


MAT 6974

(n, He-3)

70-Yb-151

Radionuclide Production Cross Section



79

Incident Energy (MeV)

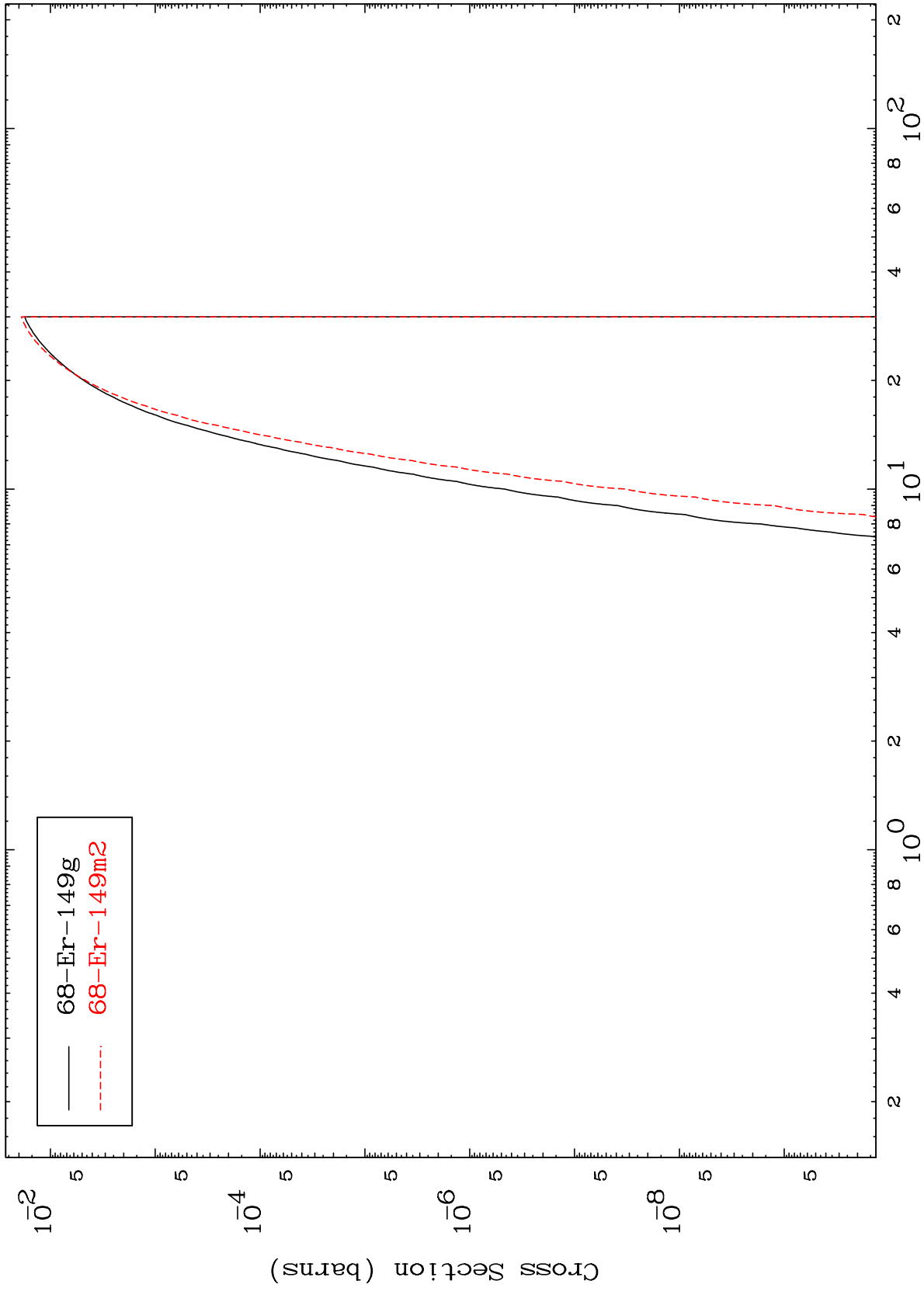
70-Yb-151

MAT 6974

(n,p) d

70-Yb-151

Radionuclide Production Cross Section



80

Incident Energy (MeV)

70-Yb-151