

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

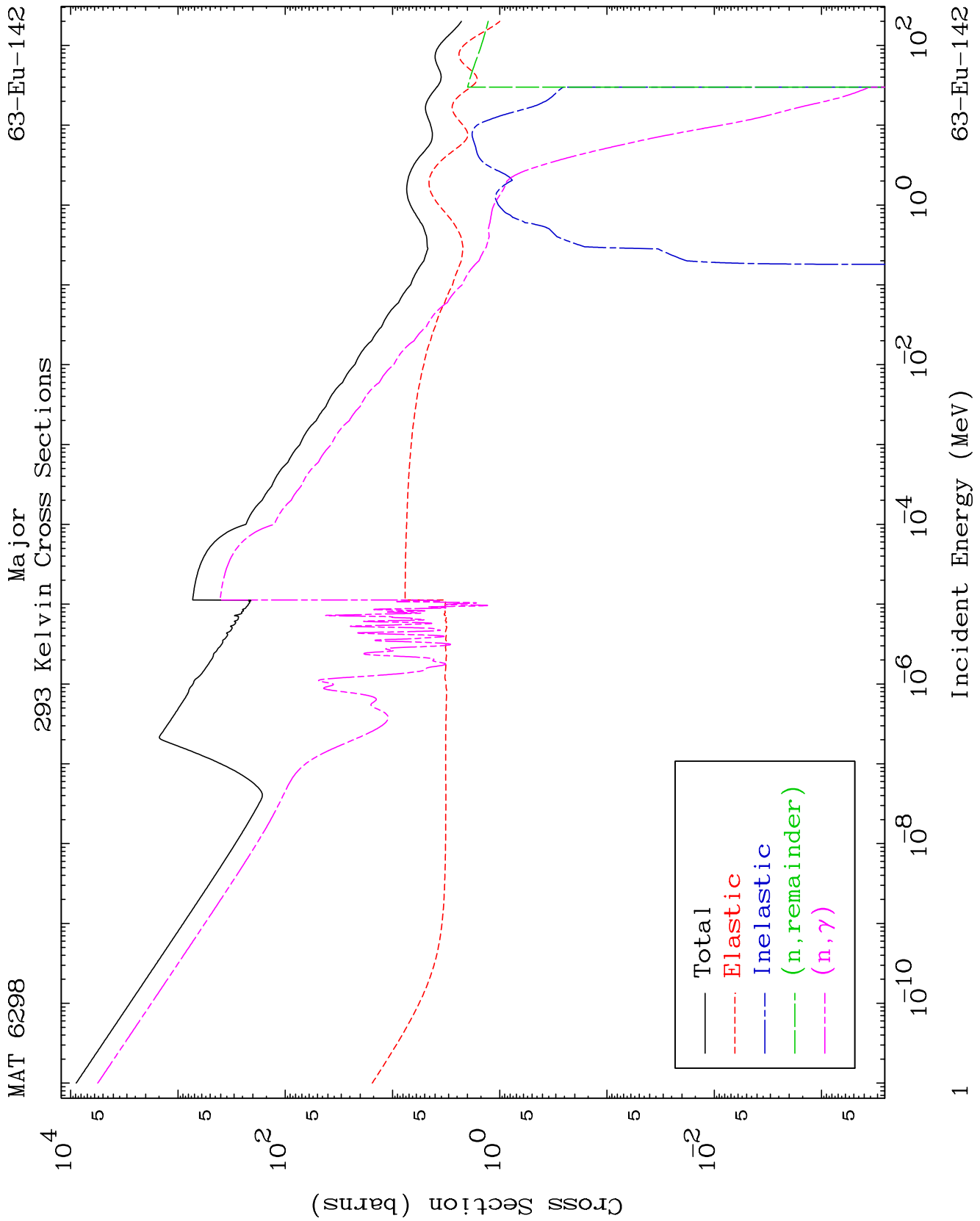
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Web: redcullen1.net/HOMEPAGE.NEW

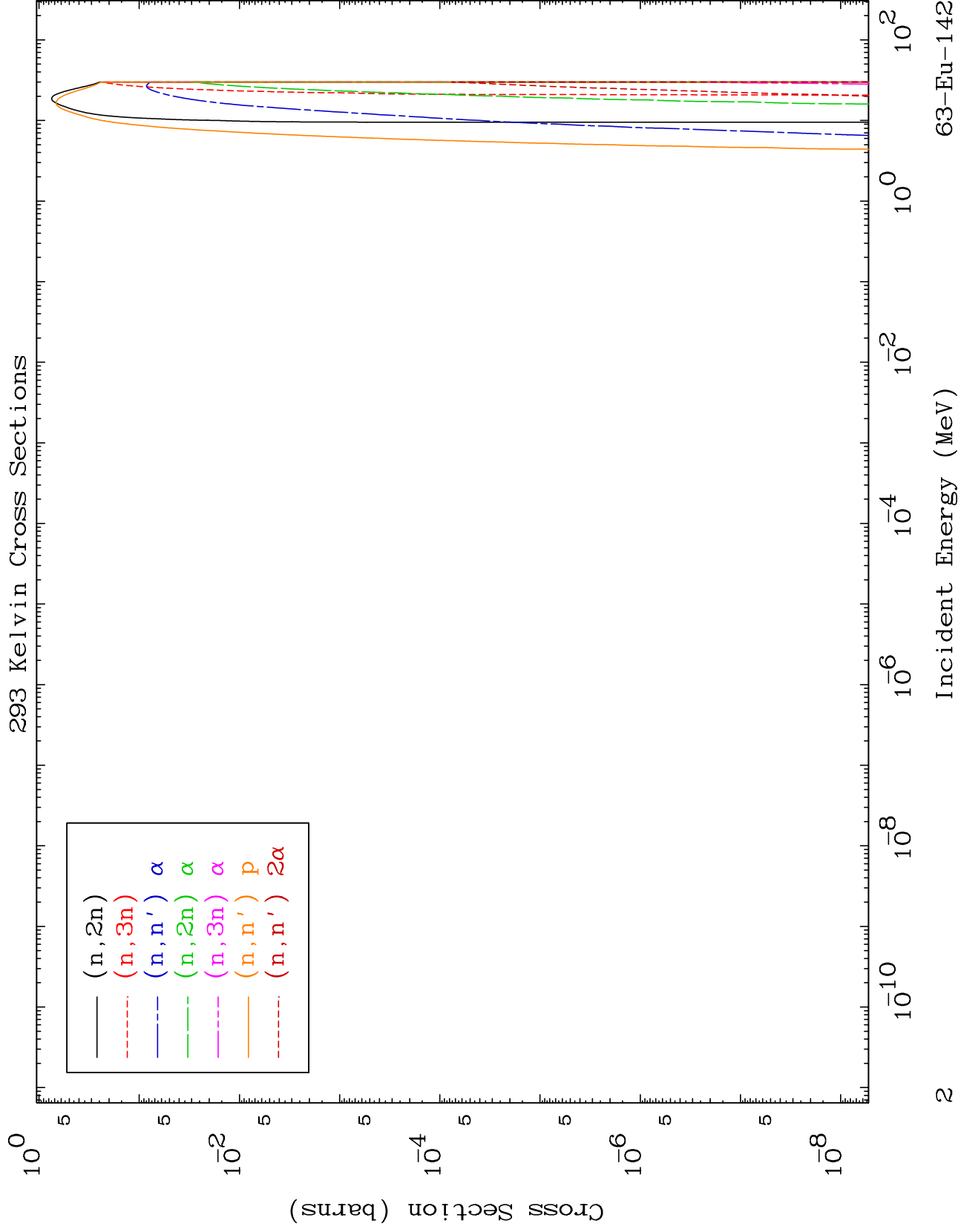
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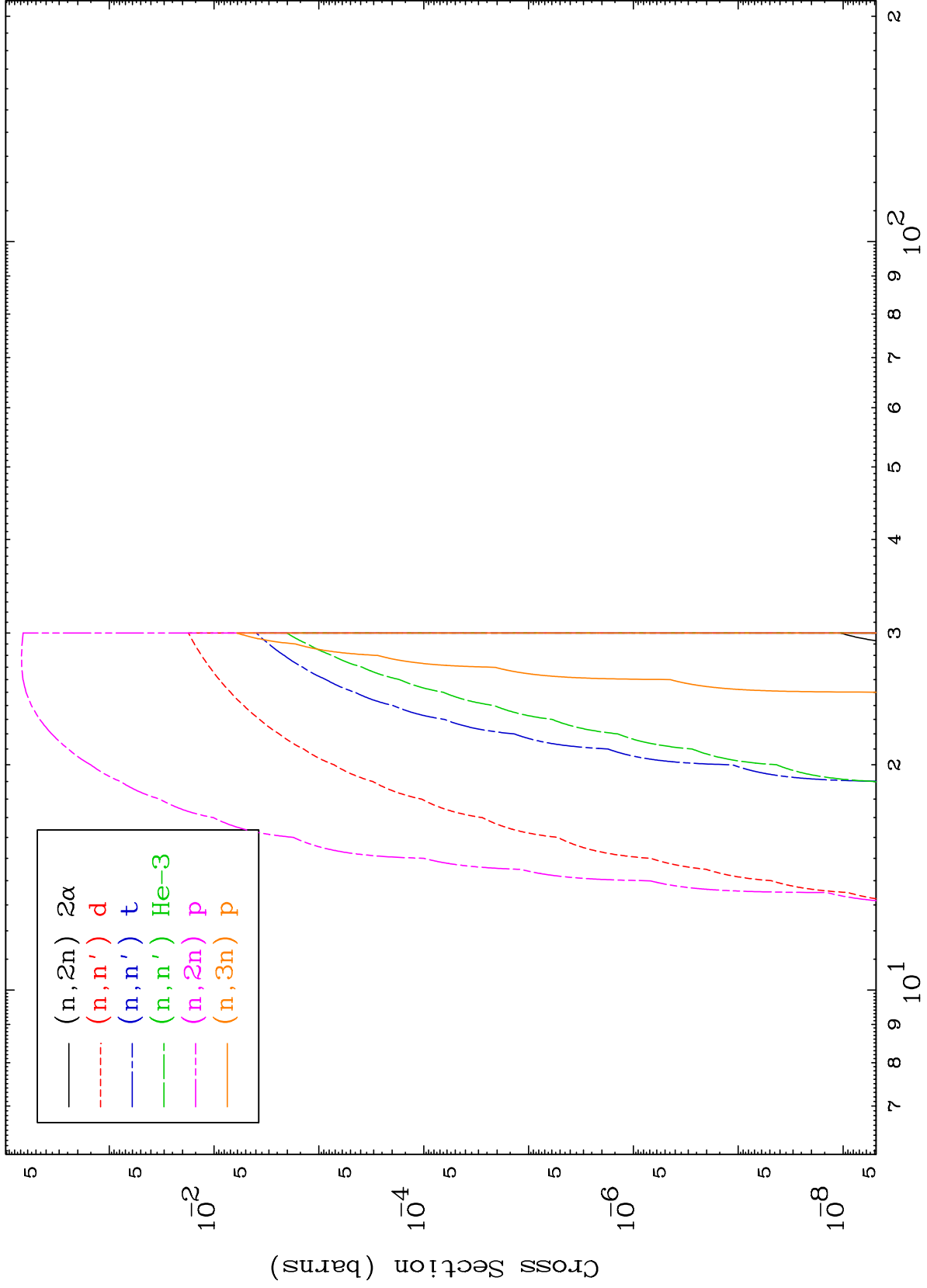


MAT 6298

Neutron Production
293 Kelvin Cross Sections

63-Eu-142

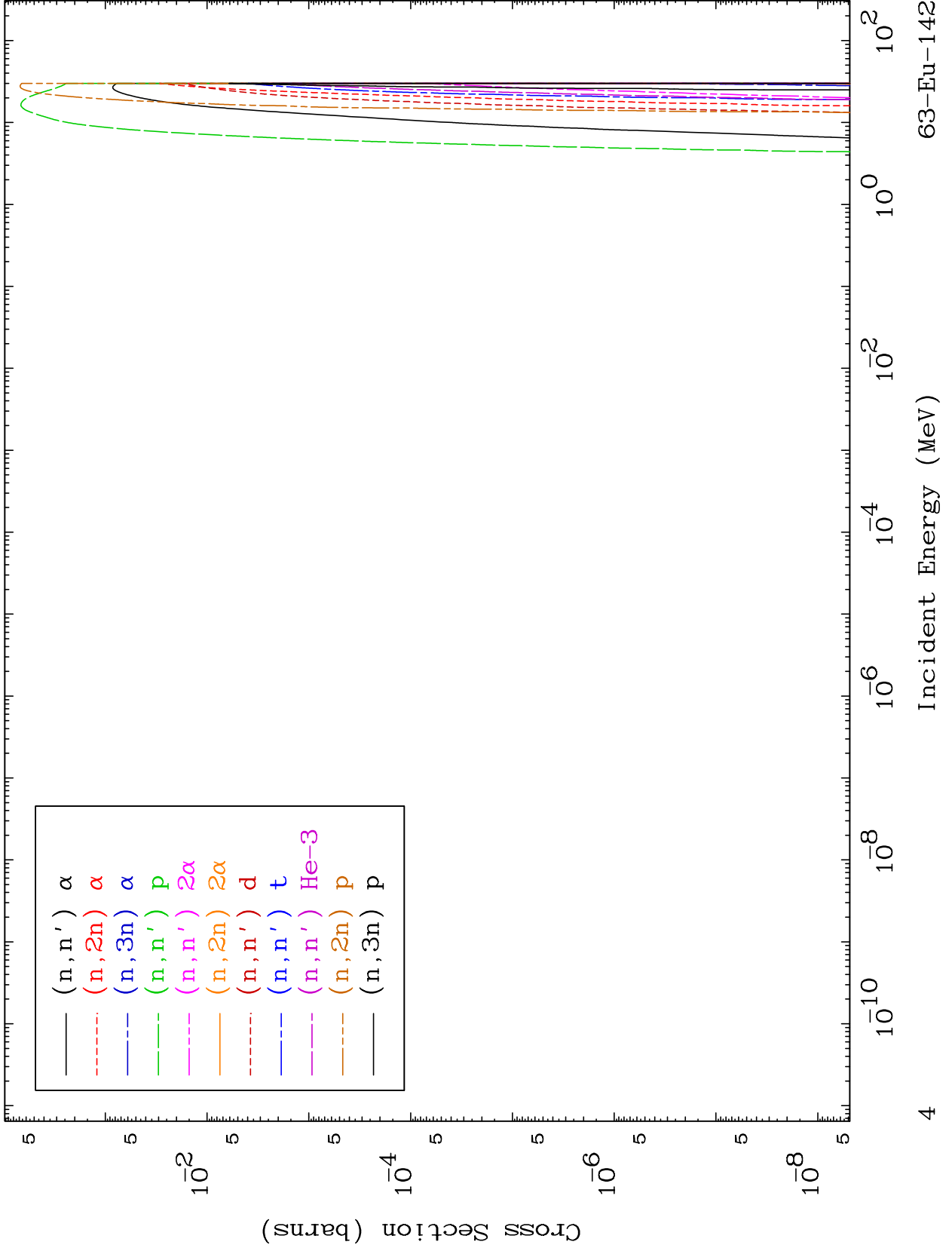




MAT 6298

Charged Particle
293 Kelvin Cross Sections

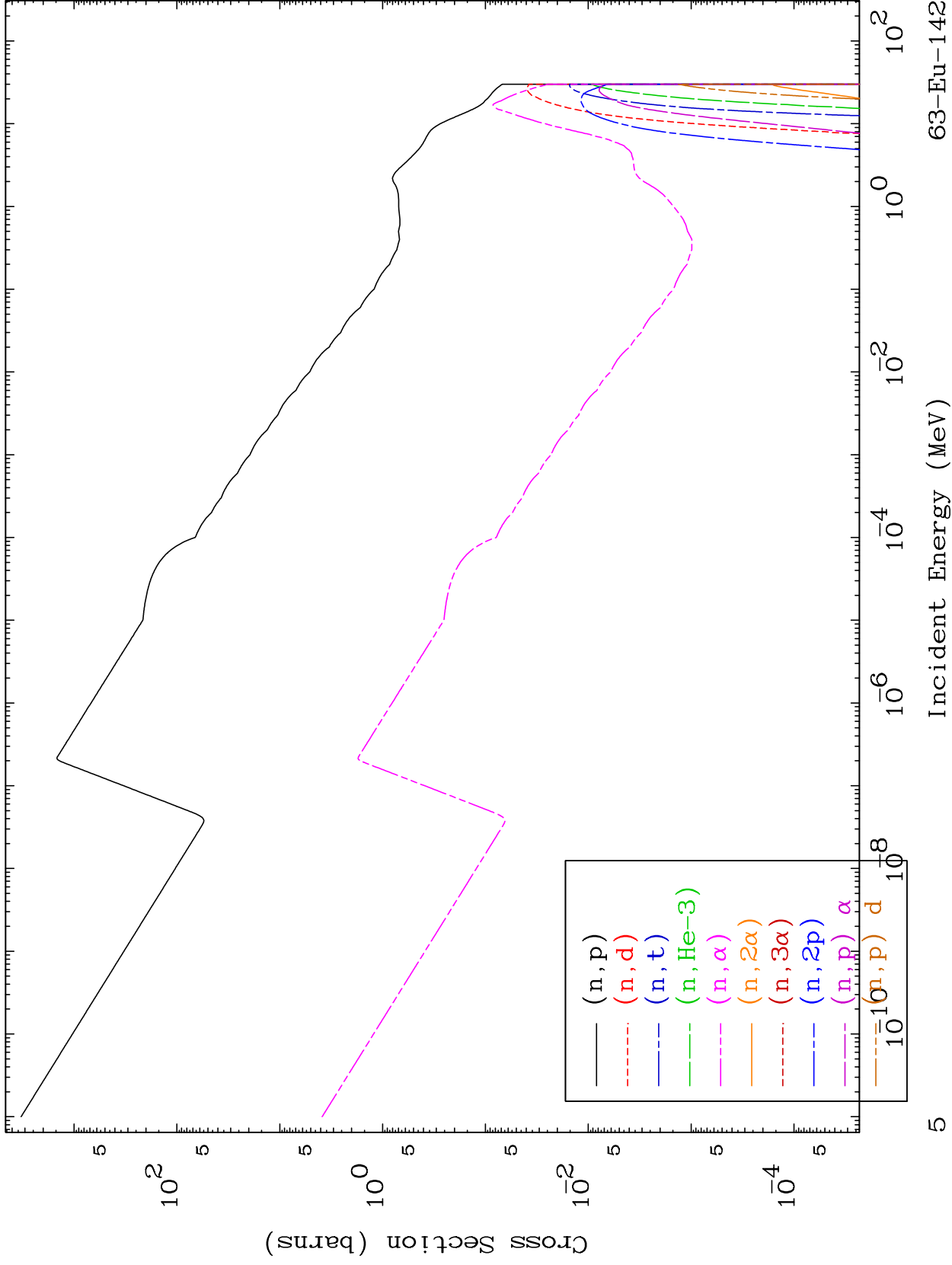
63-Eu-142



MAT 6298

Charged Particle
293 Kelvin Cross Sections

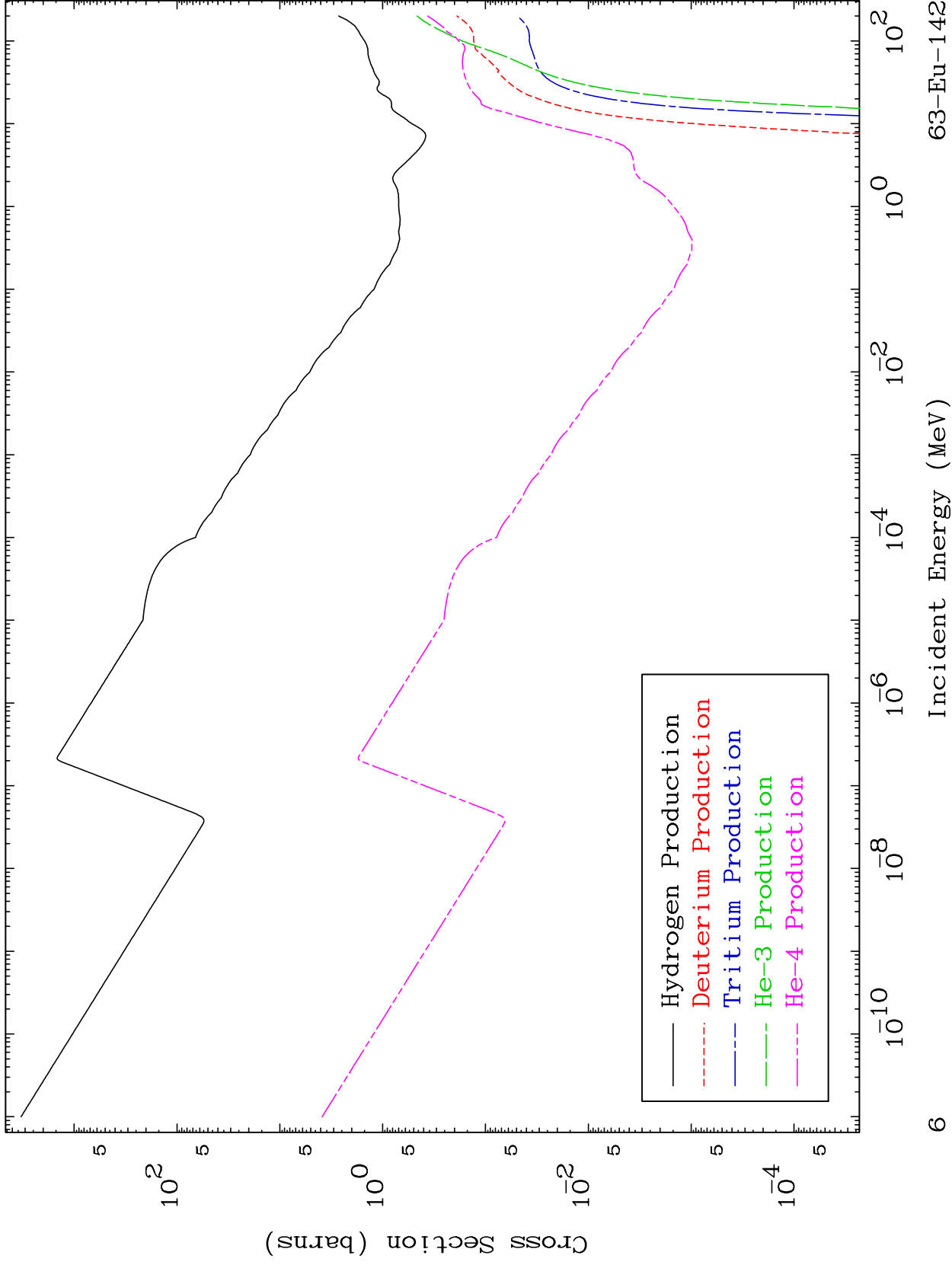
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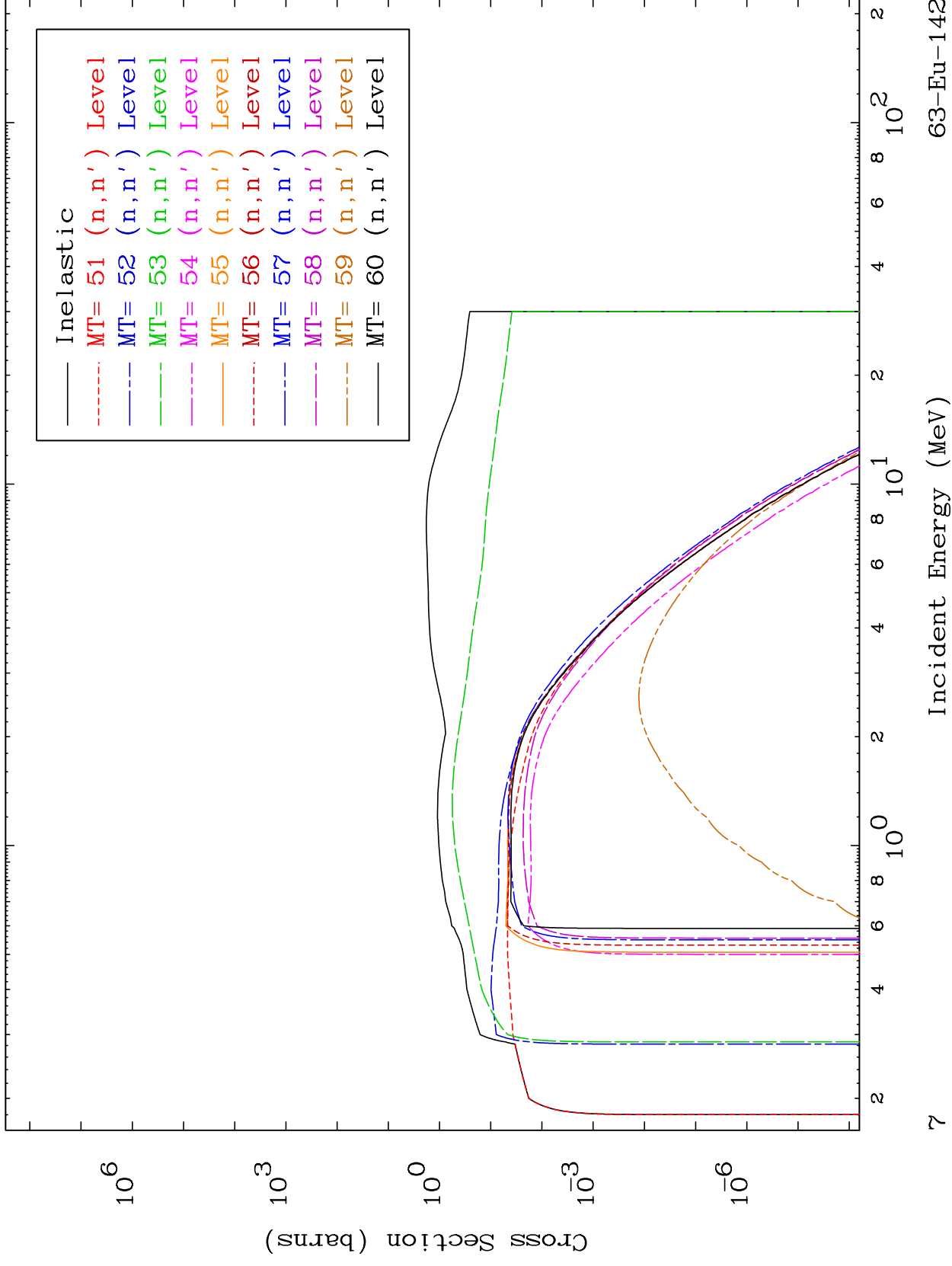
MAT 6298

Particle Production
293 Kelvin Cross Sections

63-Eu-142



293 Kelvin Cross Sections

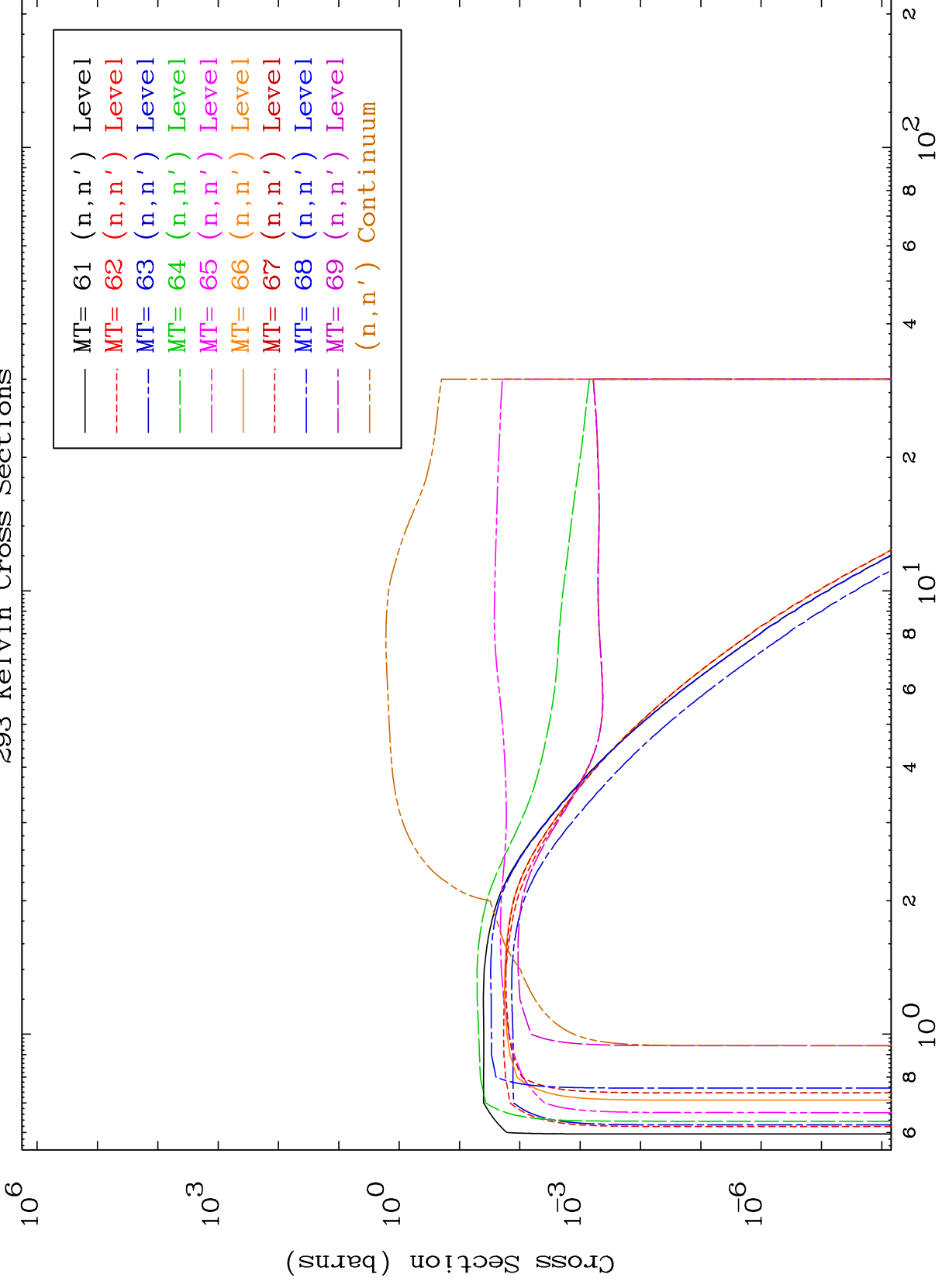


MAT 6298

(n,n') Level

63-Eu-142

293 Kelvin Cross Sections



8

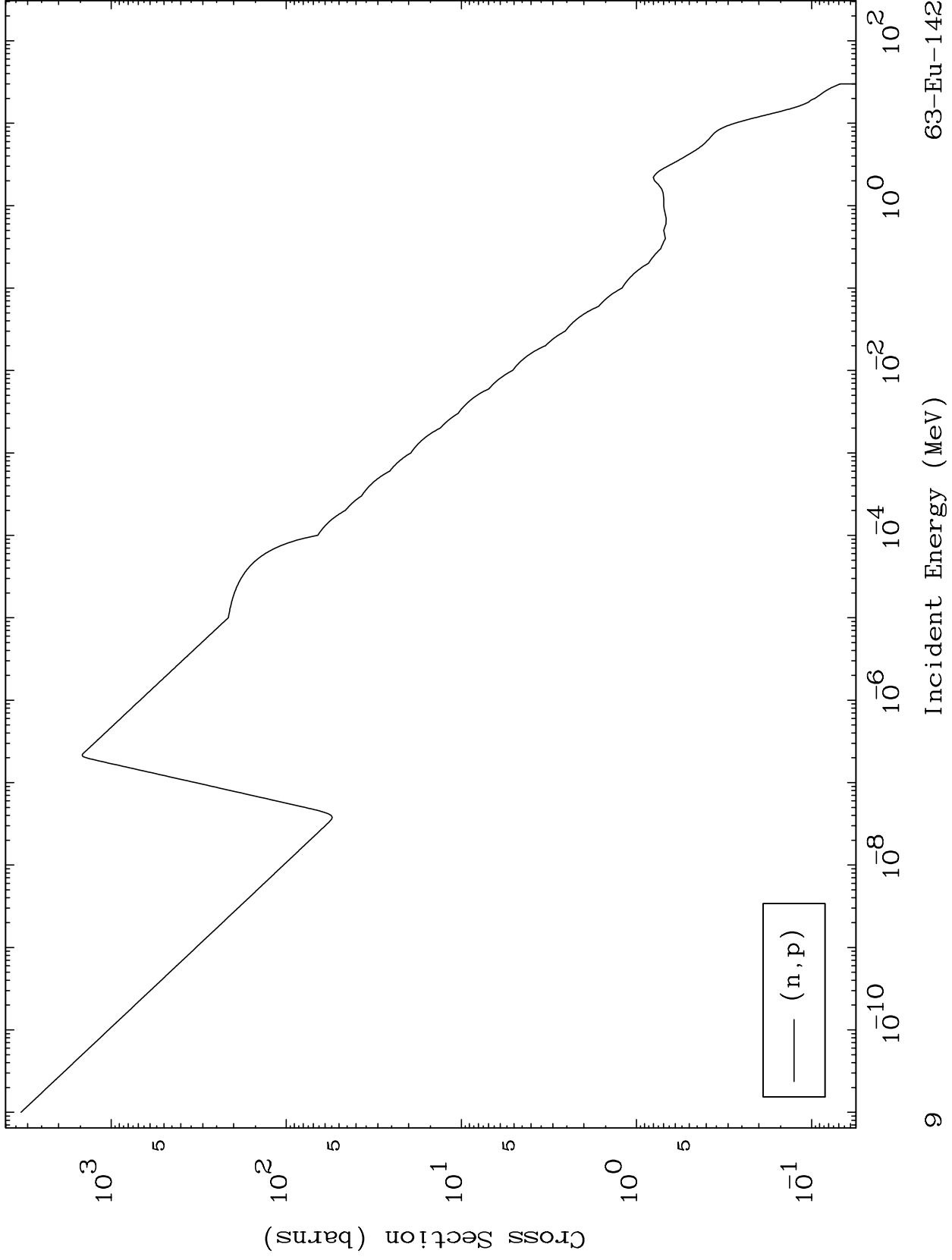
Incident Energy (MeV)

63-Eu-142

MAT 6298

(n,p) Levels
293 Kelvin Cross Sections

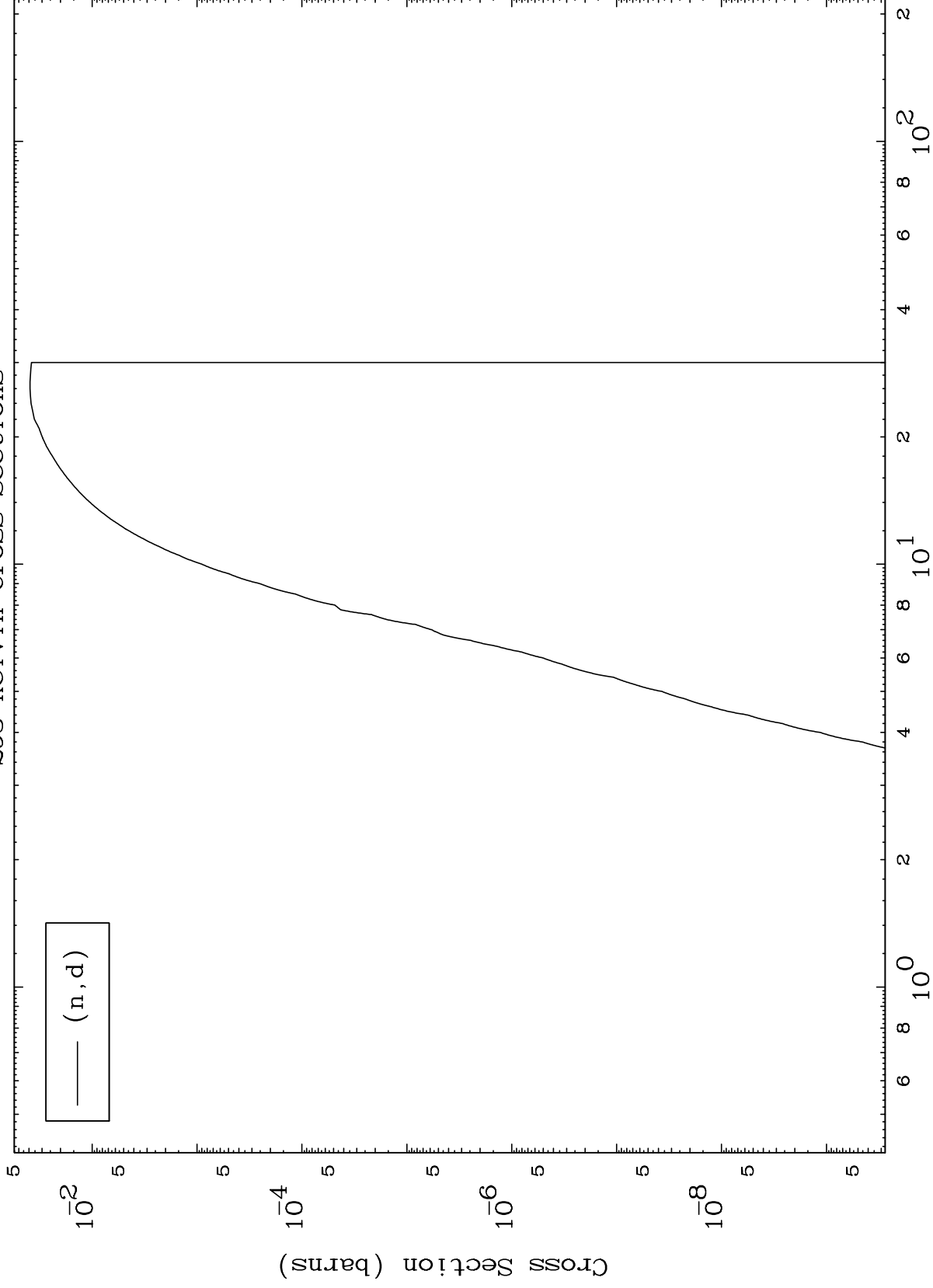
63-Eu-142



MAT 6298

(n,d) Levels
293 Kelvin Cross Sections

63-Eu-142



10

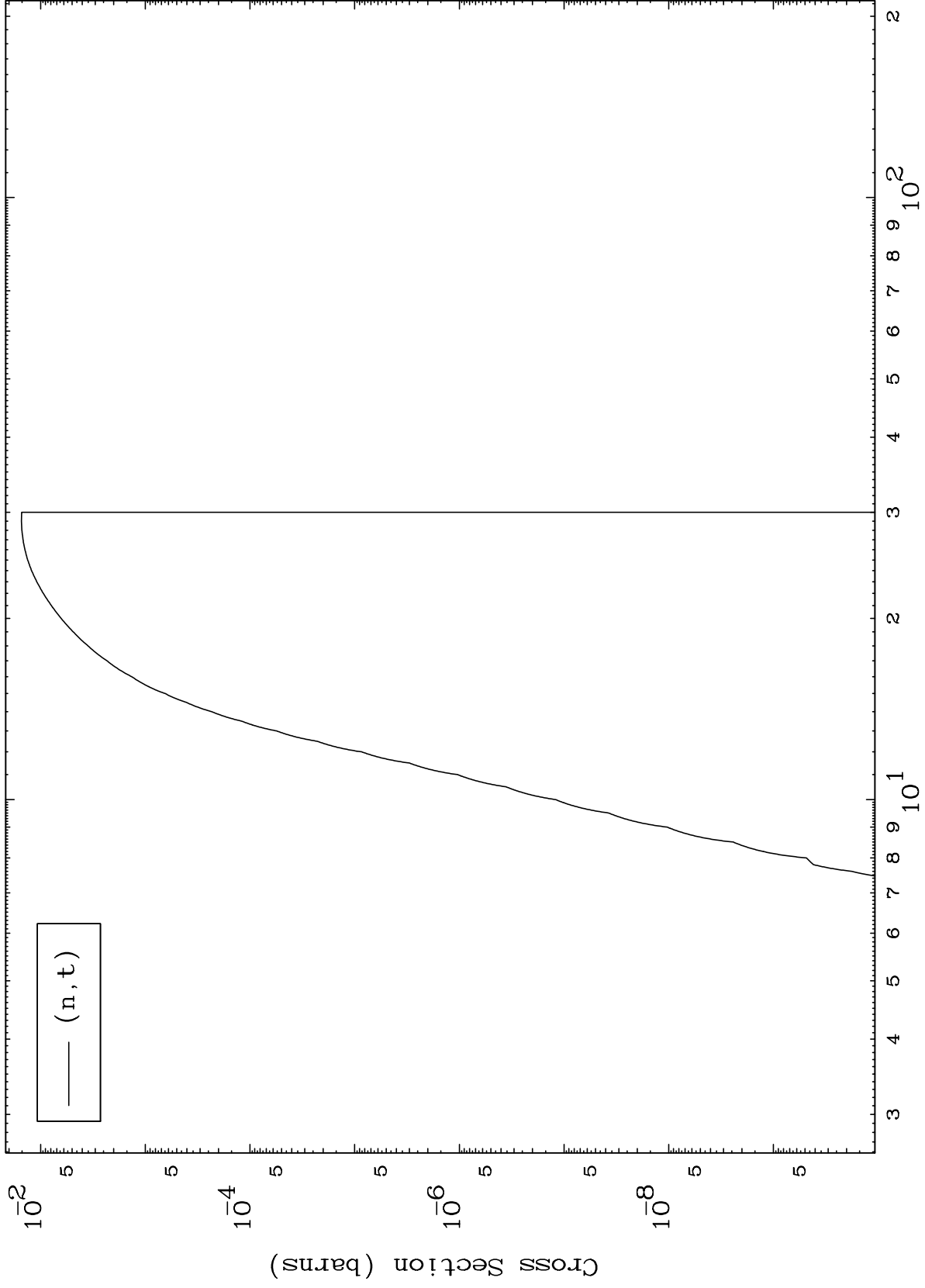
Incident Energy (MeV)

63-Eu-142

MAT 6298

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-142



11

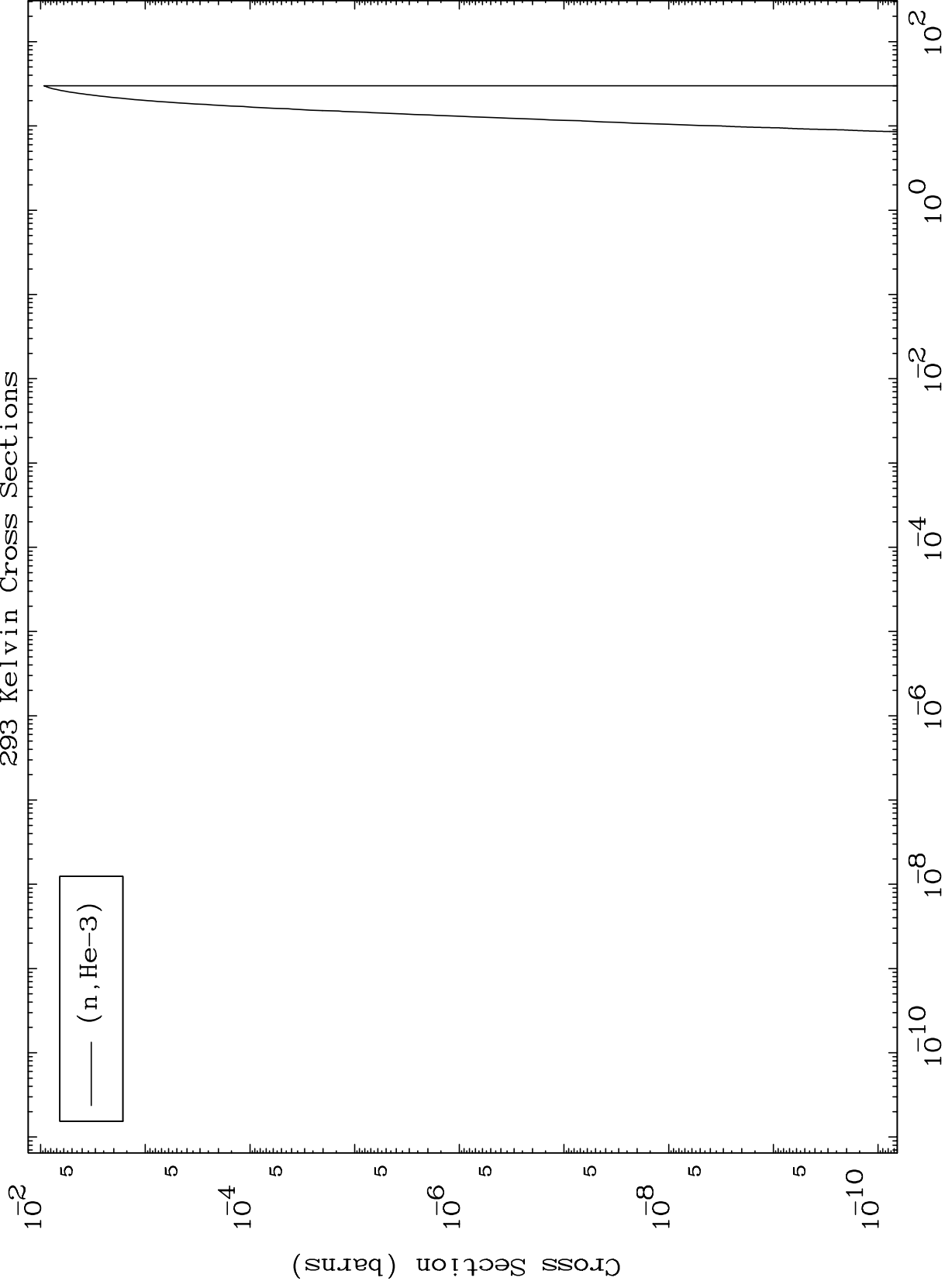
Incident Energy (MeV)

63-Eu-142

MAT 6298

(n,He3) Levels
293 Kelvin Cross Sections

63-Eu-142



(n, He-3)

63-Eu-142

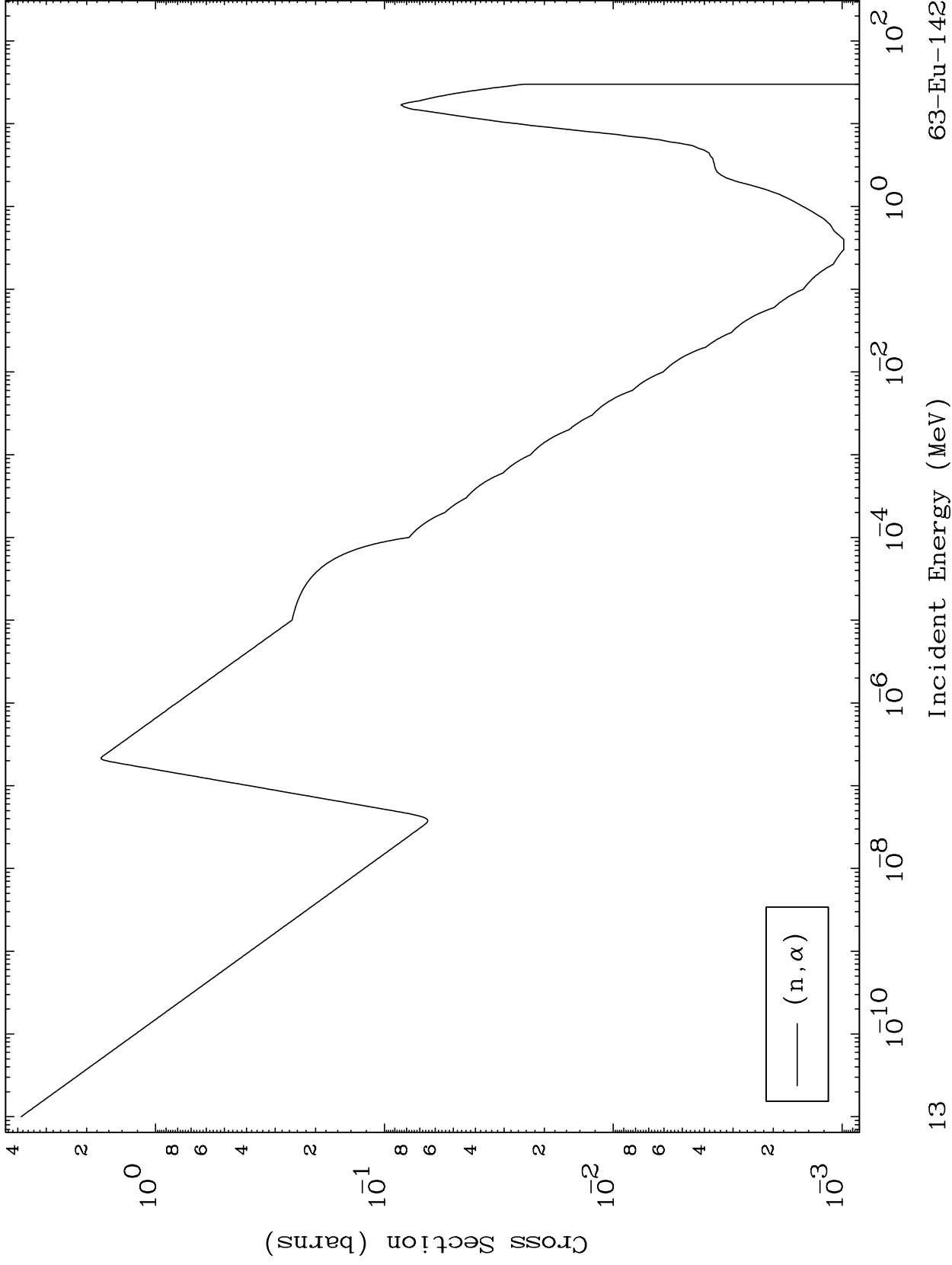
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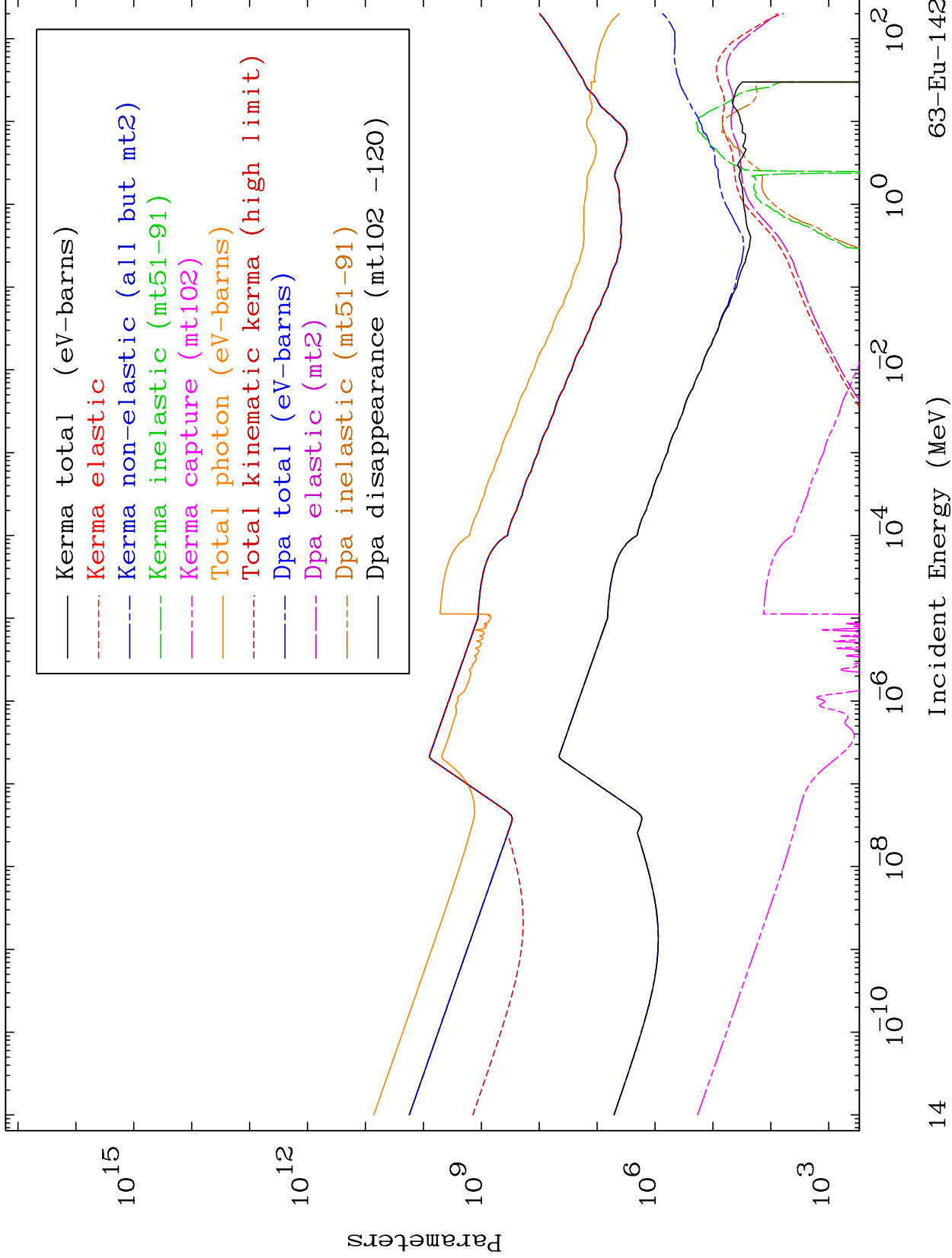
12

MAT 6298

(n,α) Levels
293 Kelvin Cross Sections

63-Eu-142

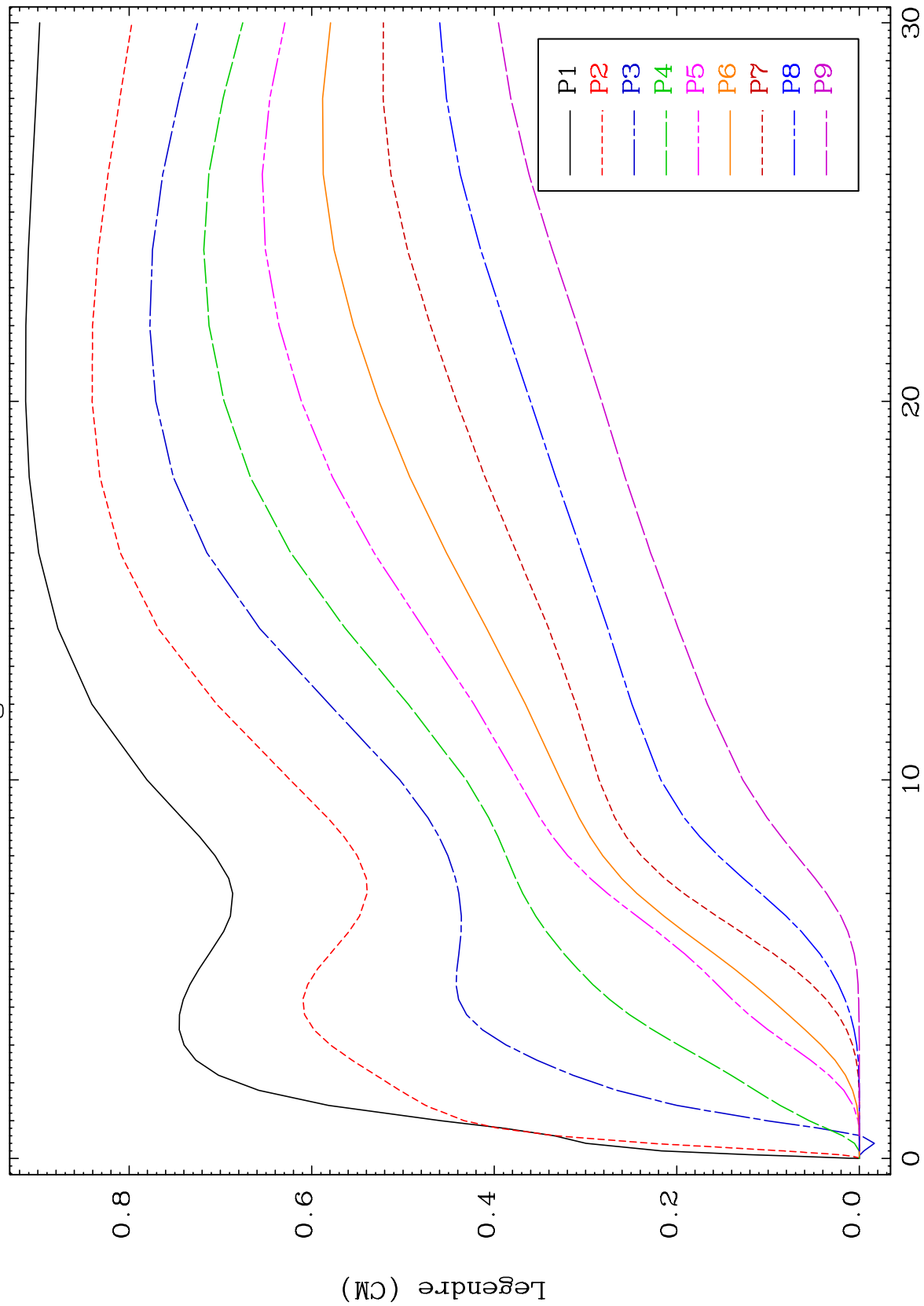




MAT 6298

Elastic Legendre Coefficients

63-Eu-142



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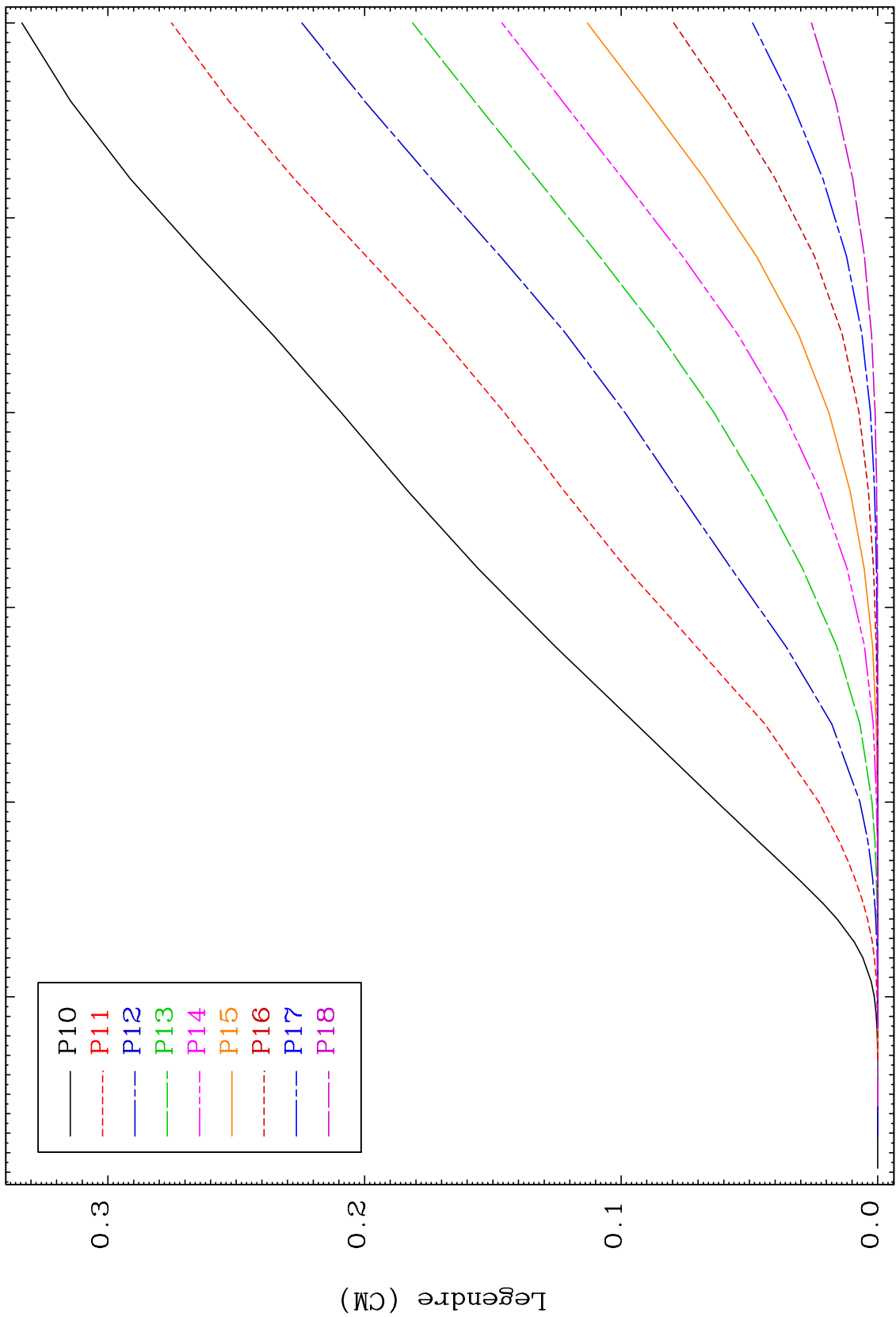
Incident Energy (MeV)

63-Eu-142

MAT 6298

Elastic Legendre Coefficients

63-Eu-142



16

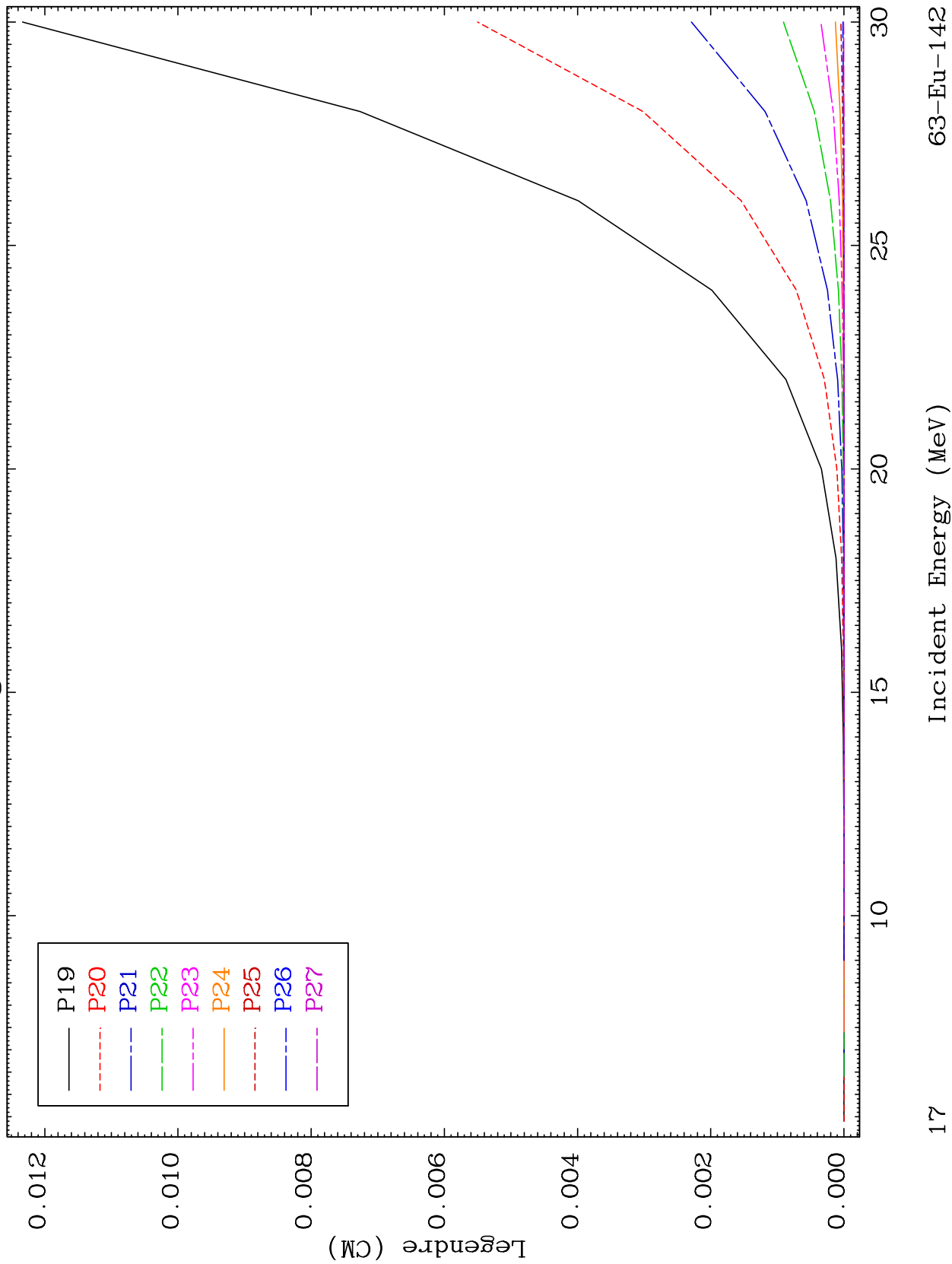
Incident Energy (MeV)

63-Eu-142

MAT 6298

Elastic Legendre Coefficients

63-Eu-142



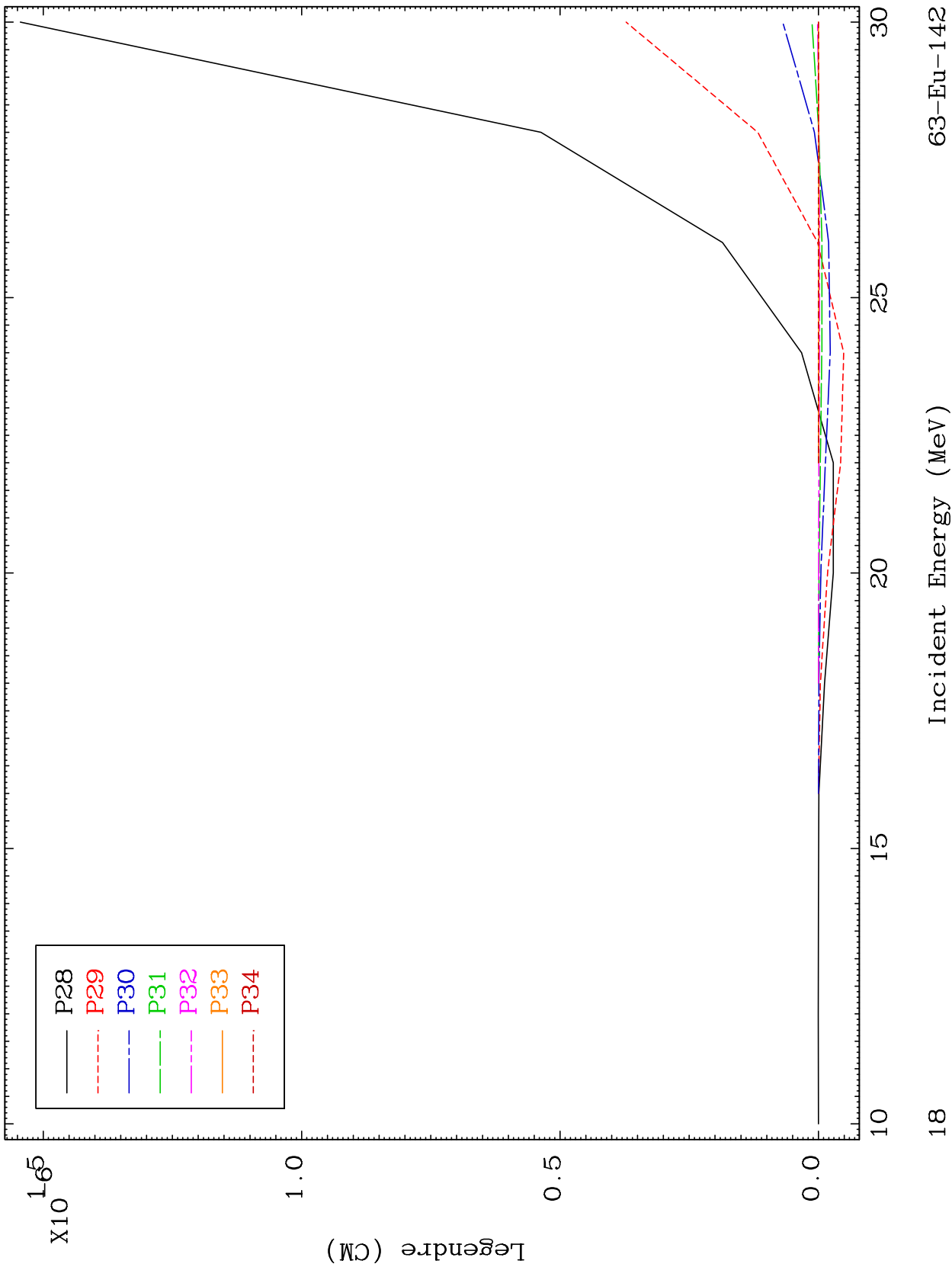
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63-Eu-142

MAT 6298

Elastic Legendre Coefficients

63-Eu-142



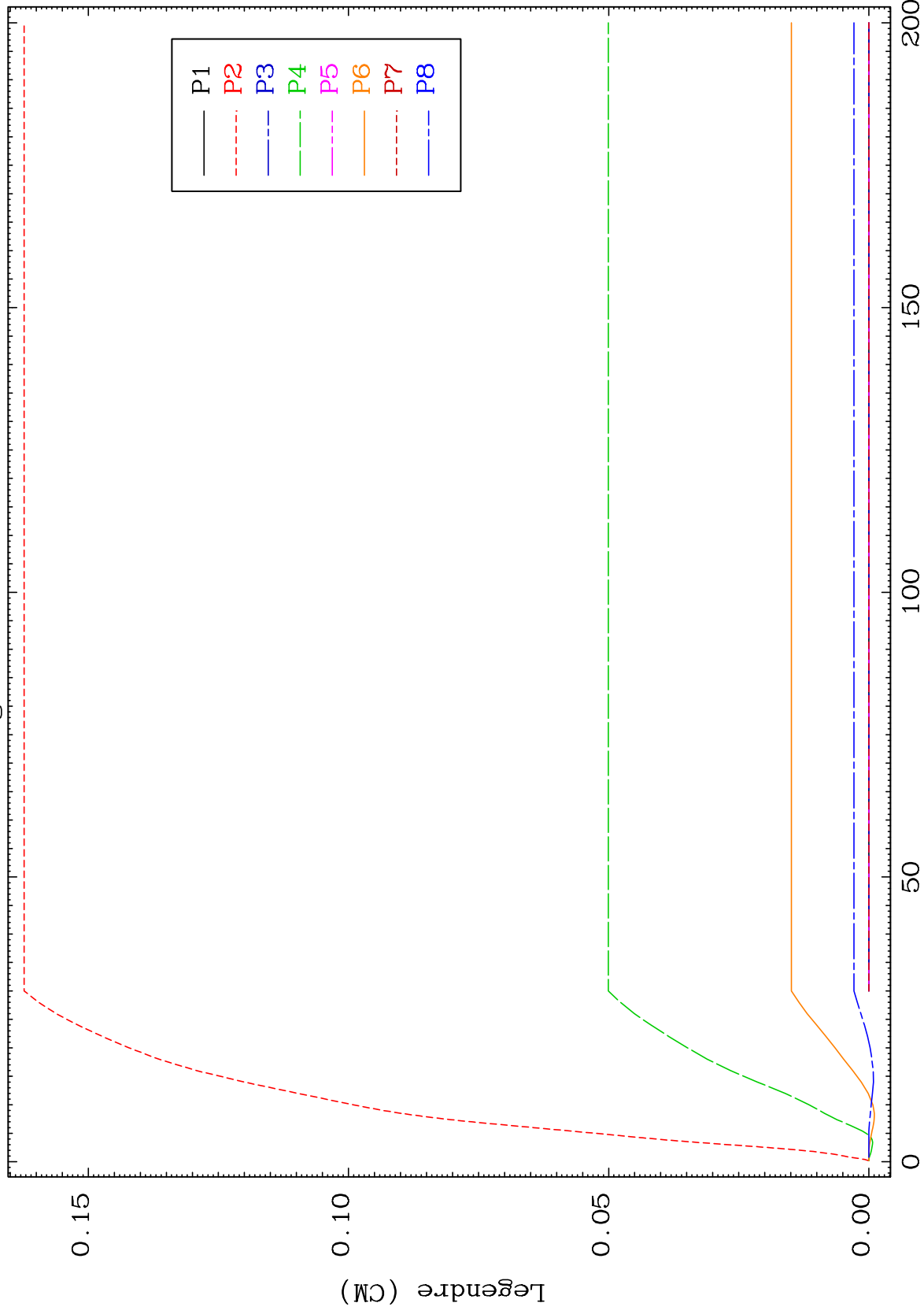
63-Eu-142

Incident Energy (MeV)

MAT 6298

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

63-Eu-142



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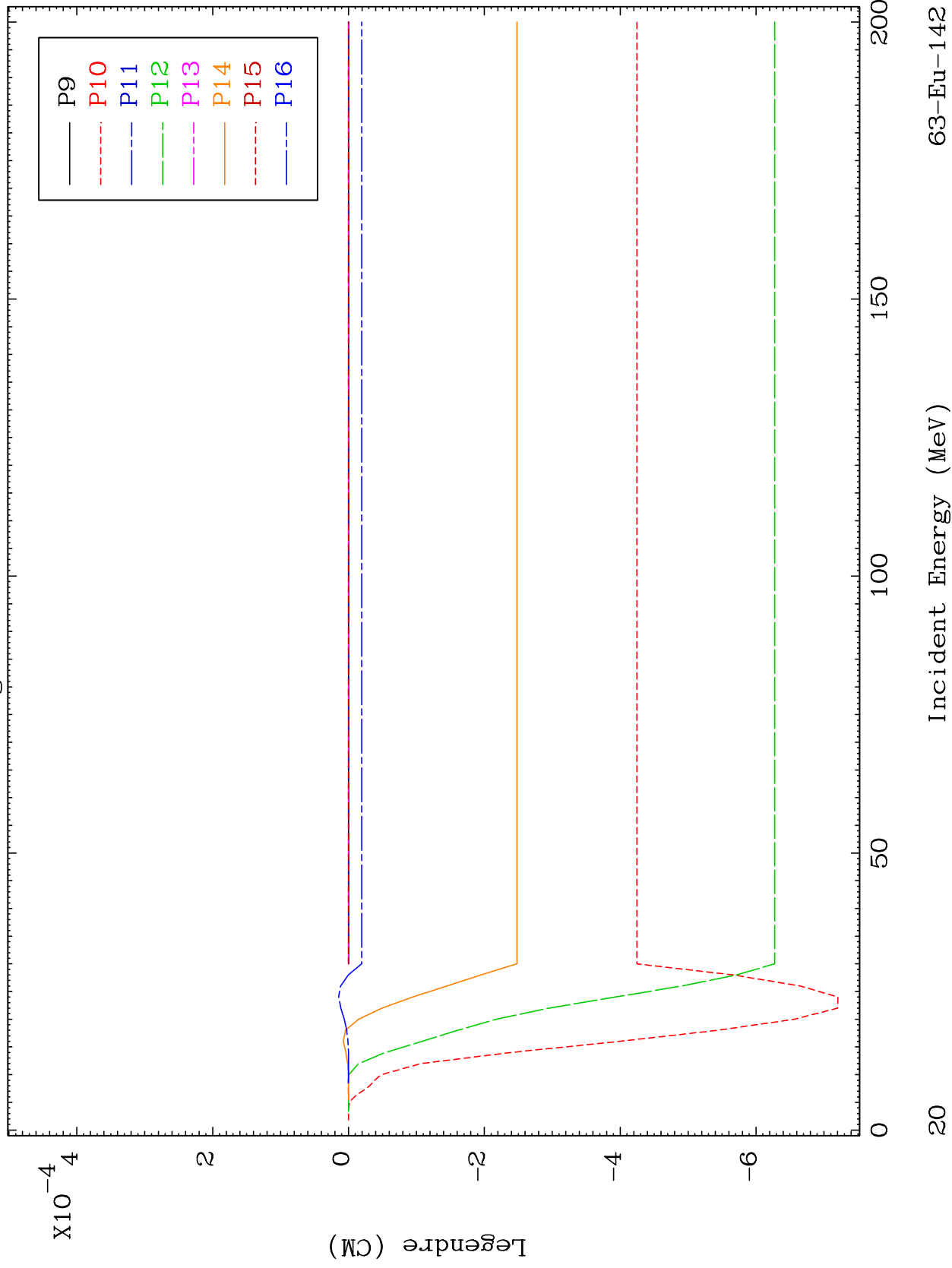
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

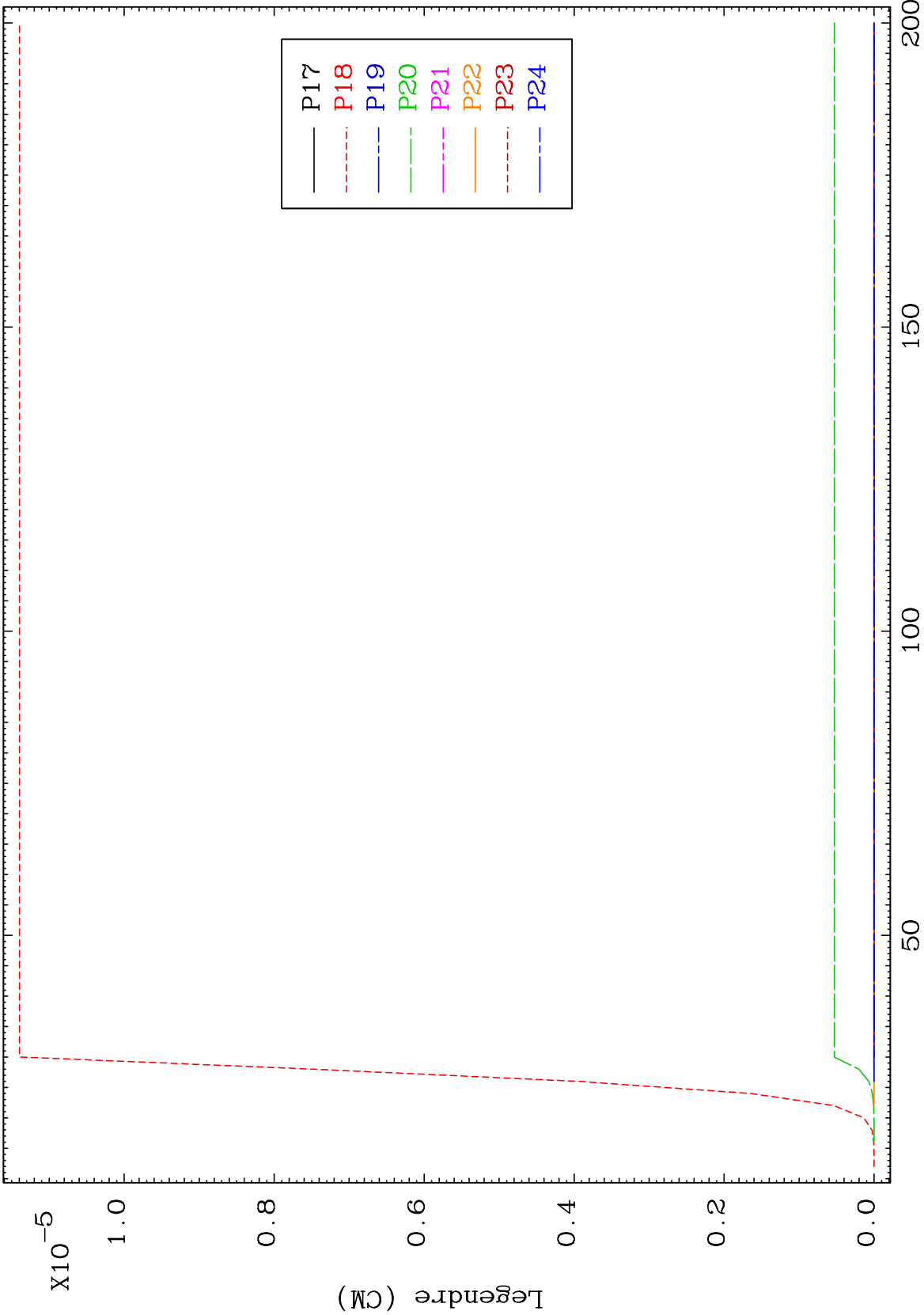
63-Eu-142



MAT 6298

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

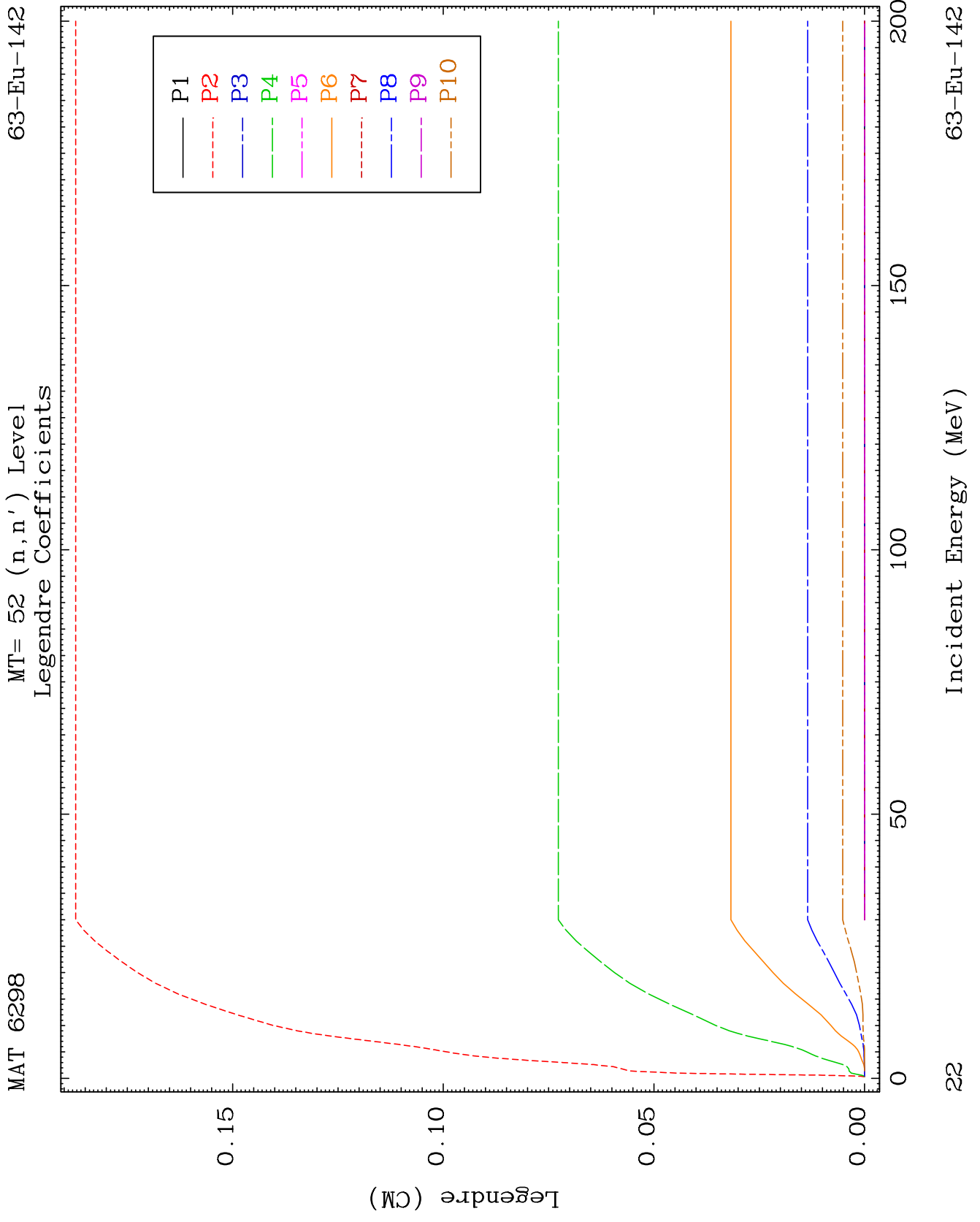
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21

Incident Energy (MeV)

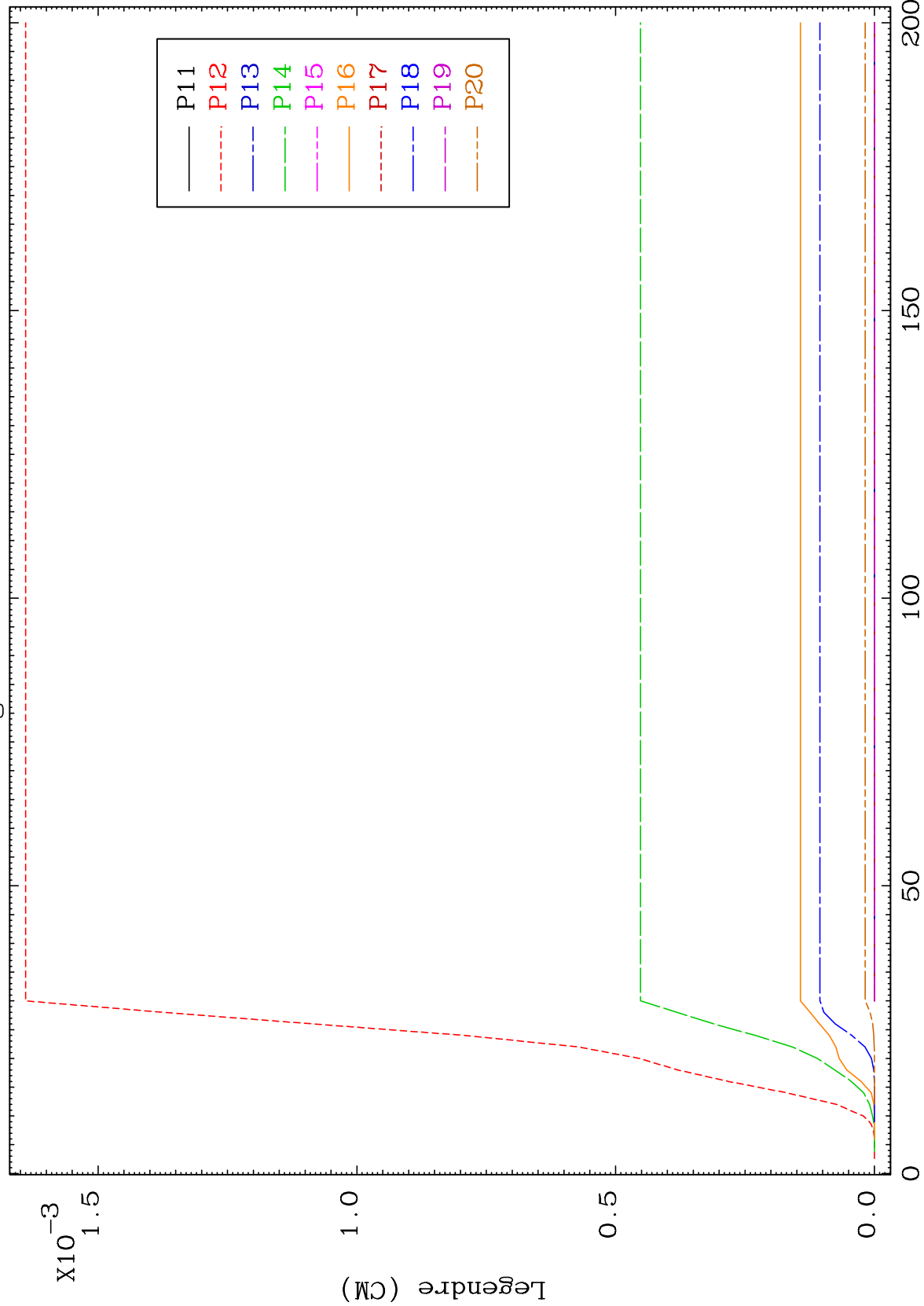
63-Eu-142



MAT 6298

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

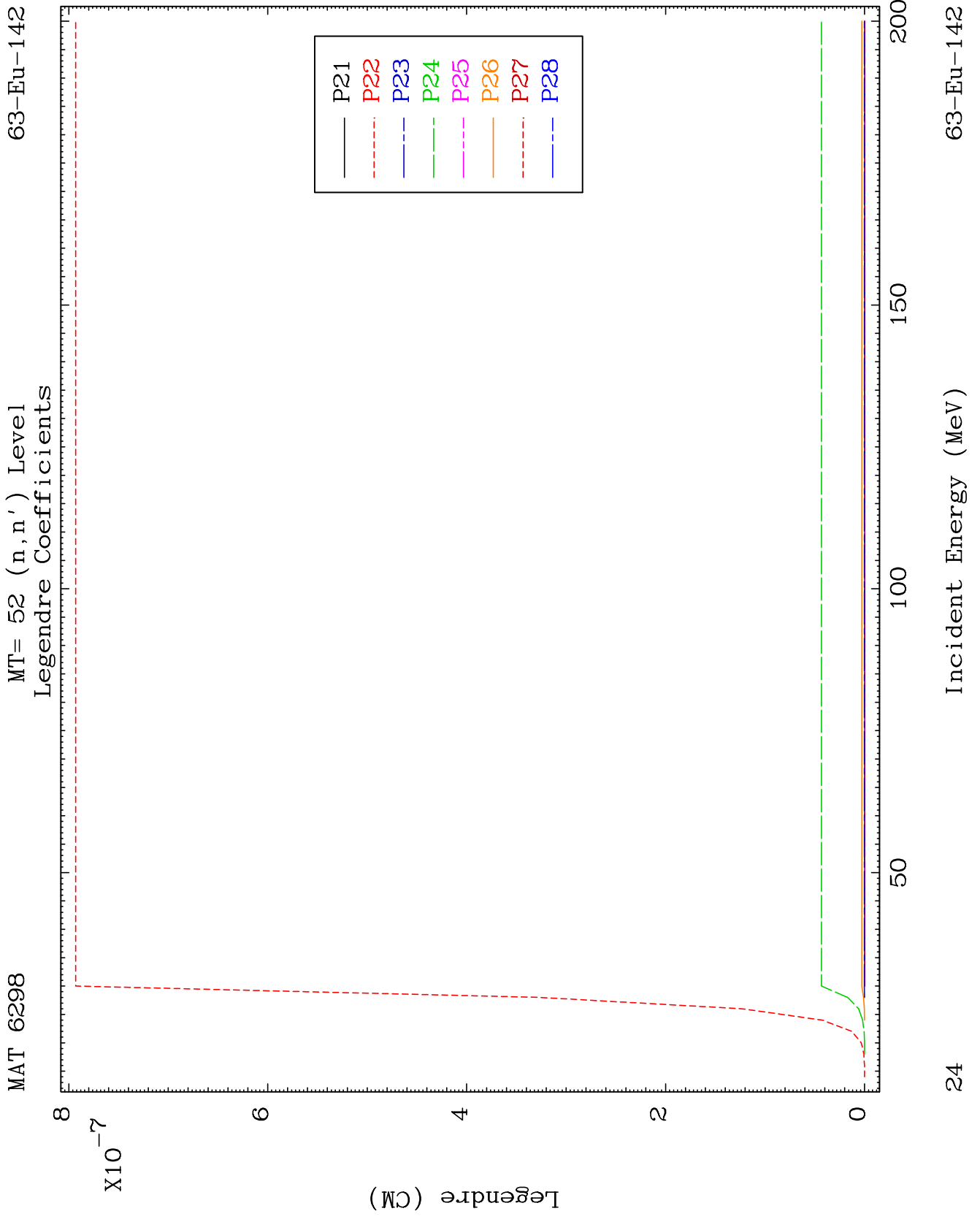
63-Eu-142



23

Incident Energy (MeV)

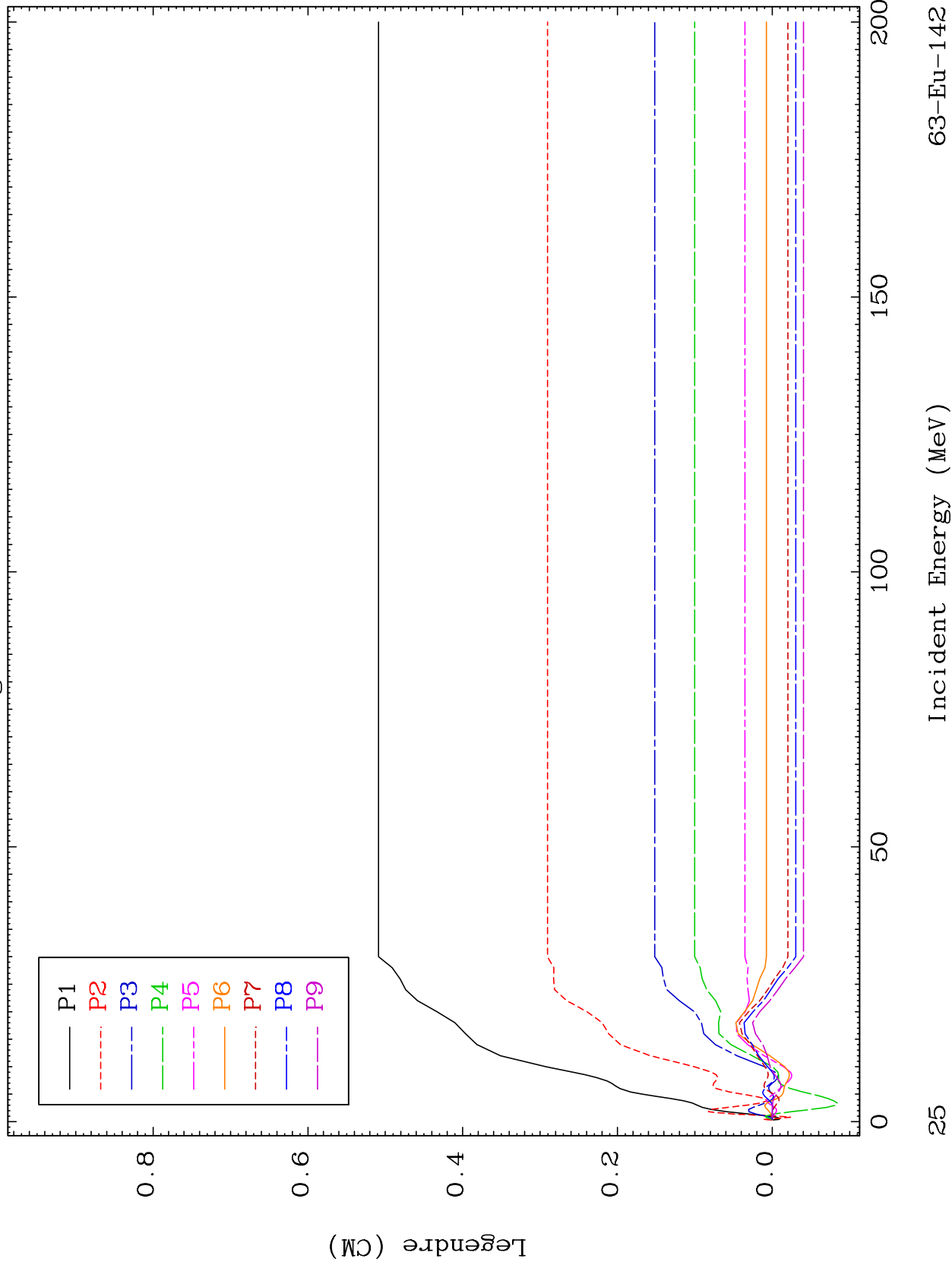
63-Eu-142



MAT 6298

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

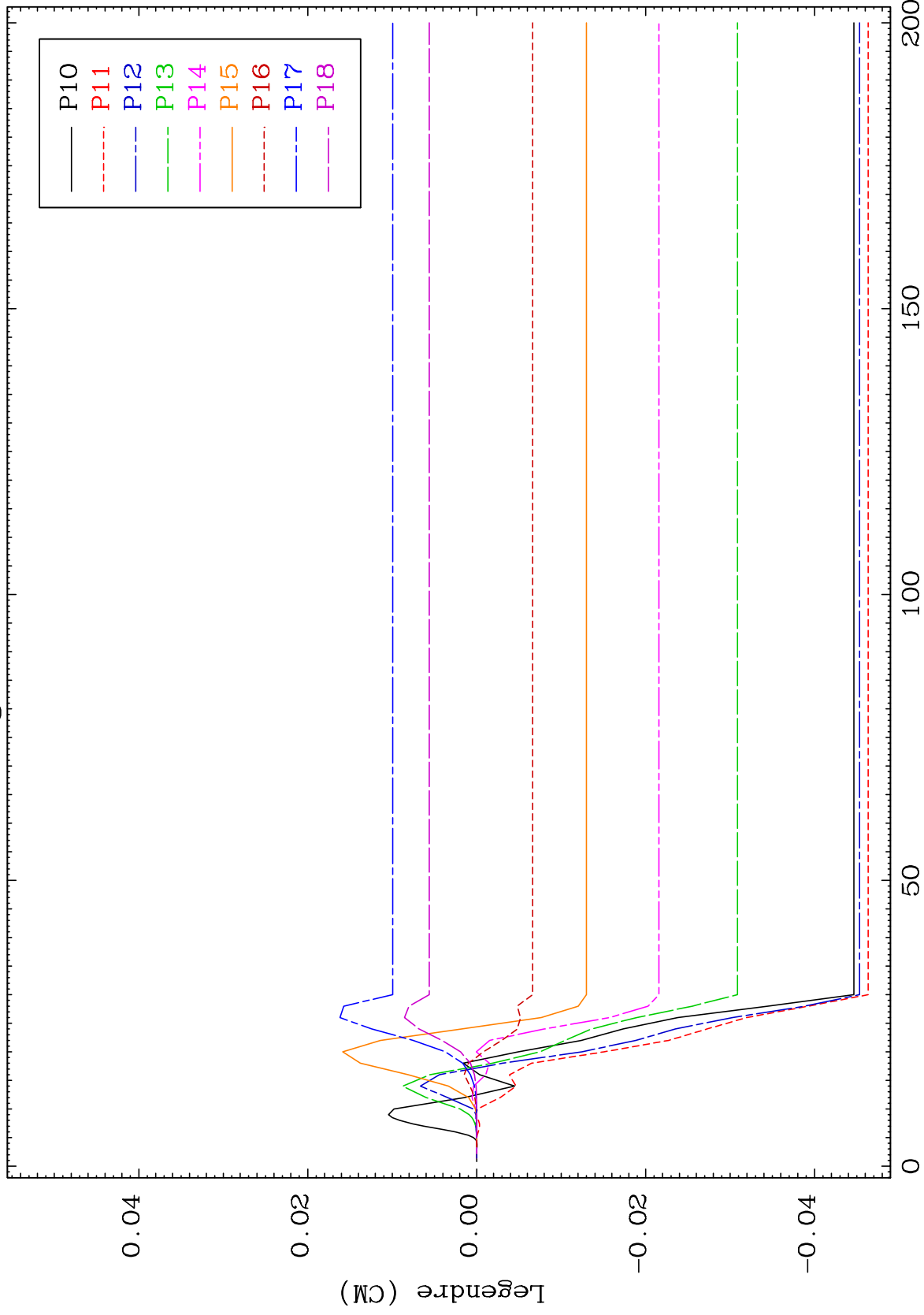
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MAT 6298

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

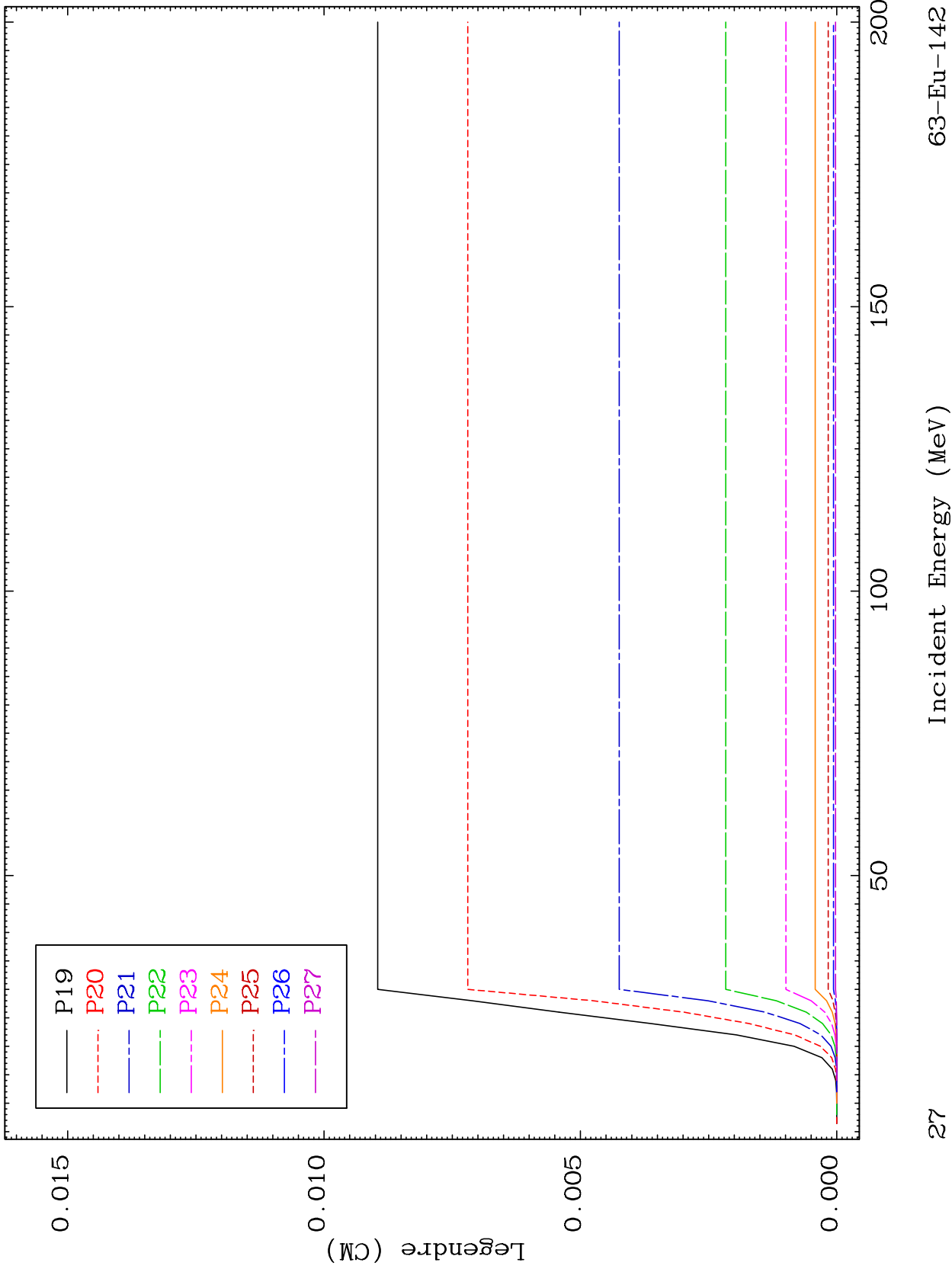
63-Eu-142



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Incident Energy (MeV)

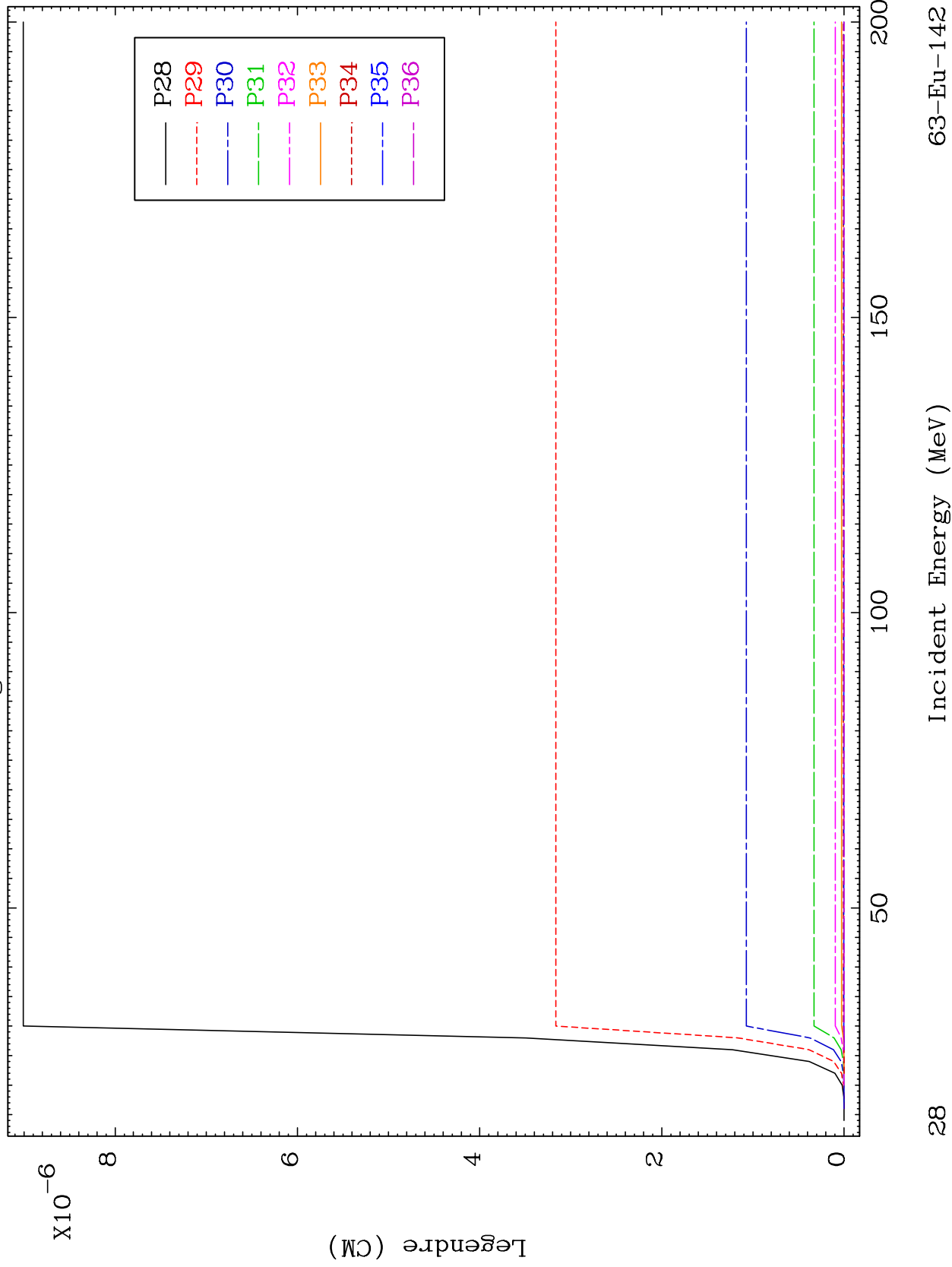
63-Eu-142



MAT 6298

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

63-Eu-142



28

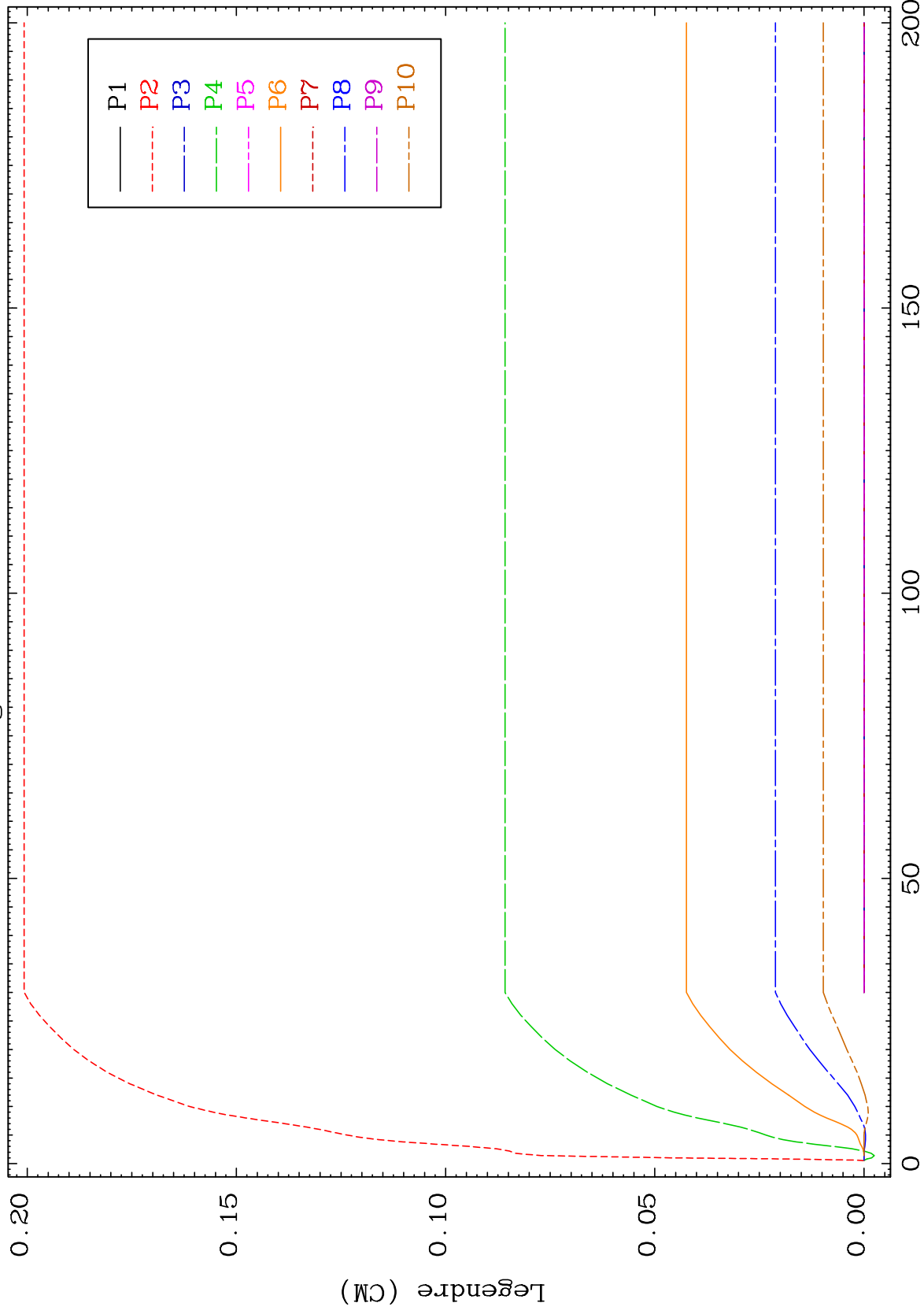
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



29

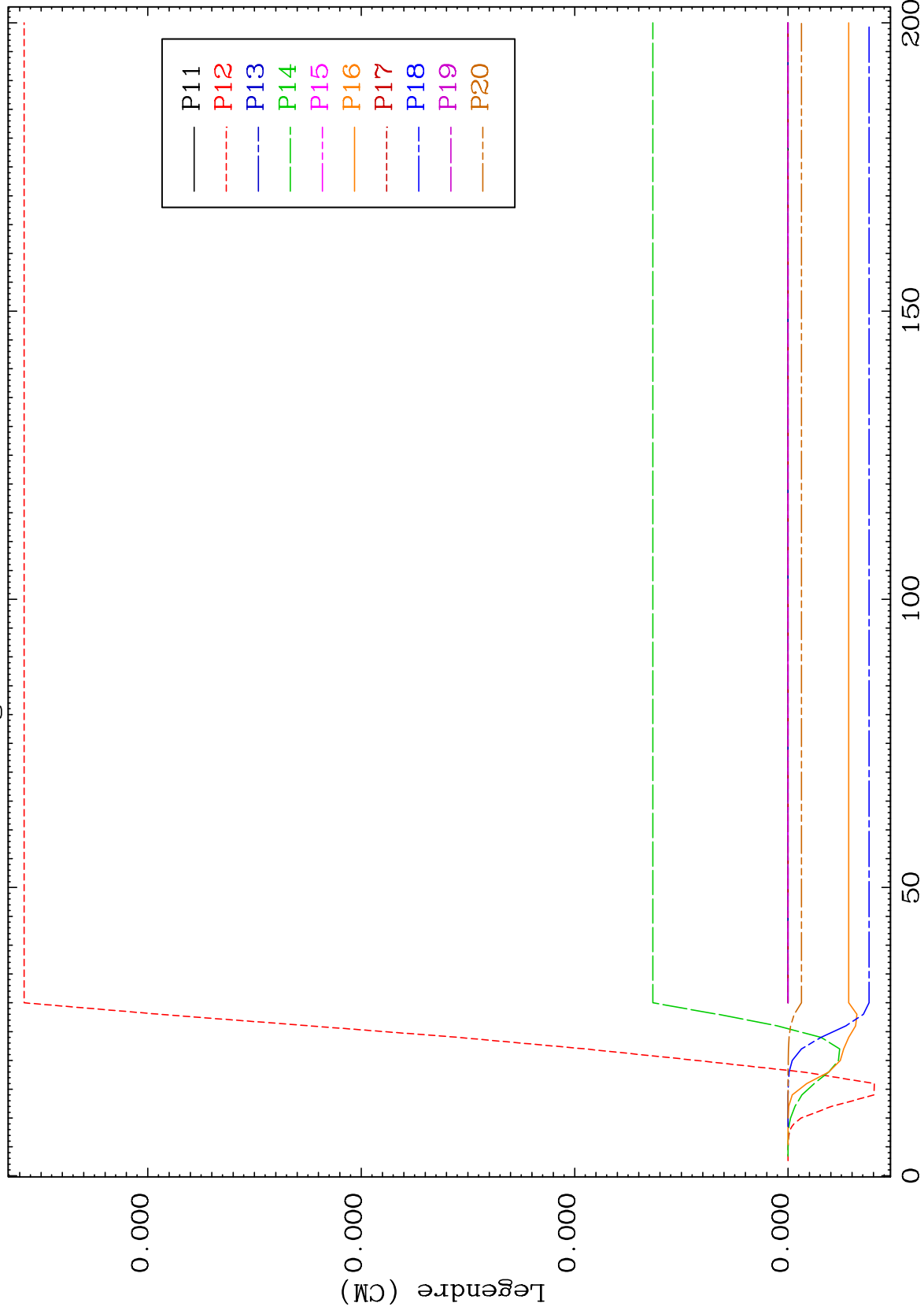
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



63-Eu-142

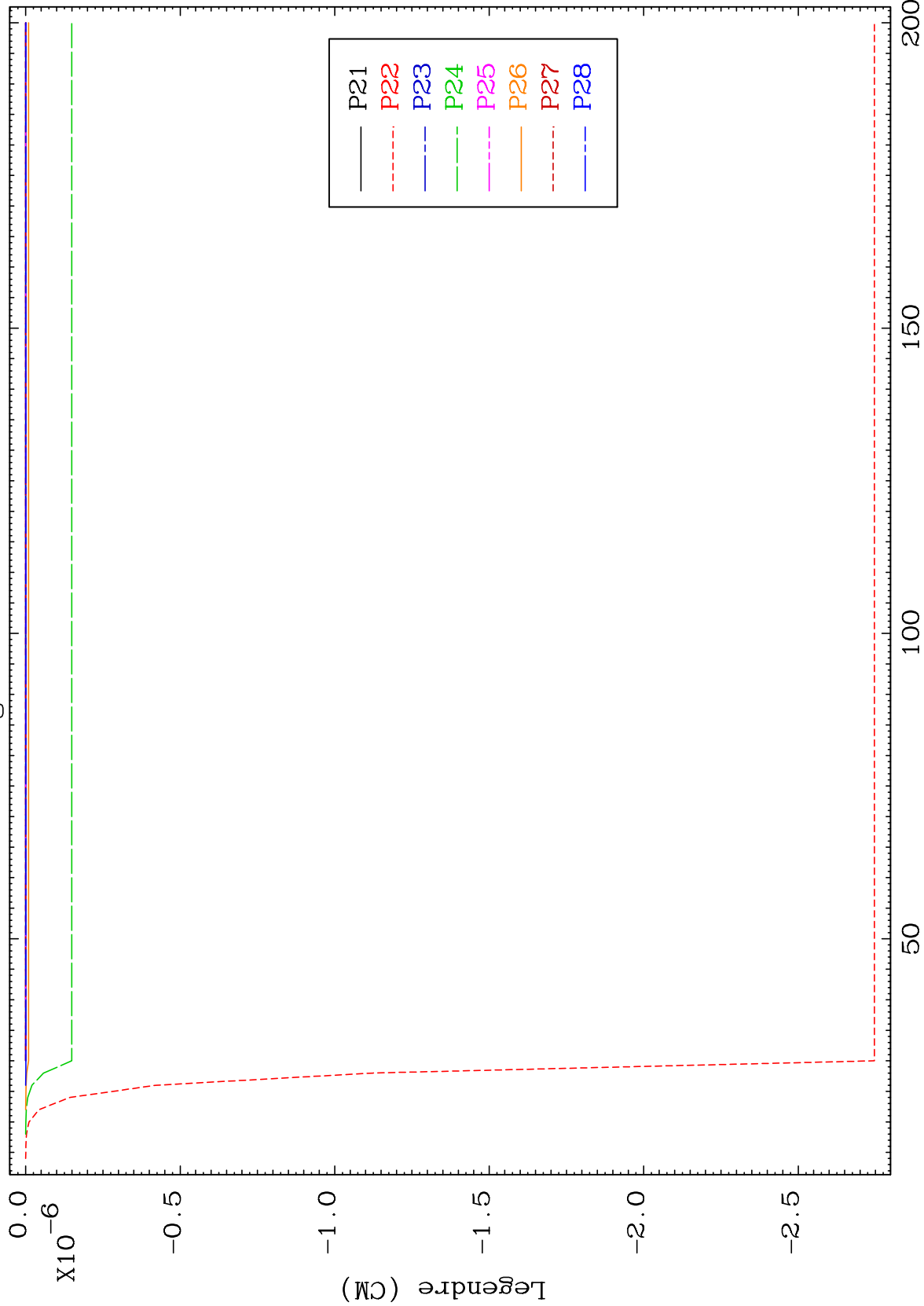
Incident Energy (MeV)

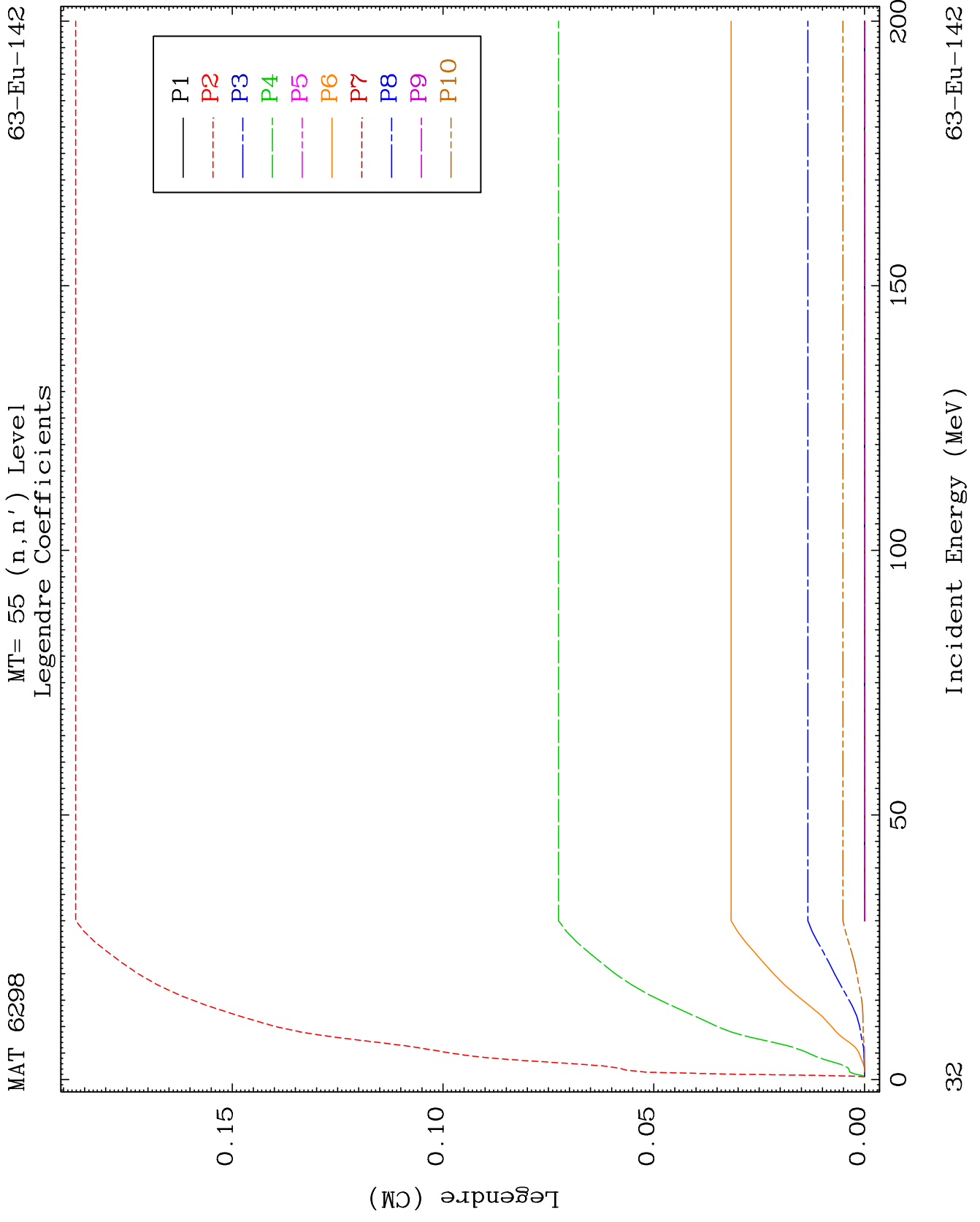
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MAT 6298

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

63-Eu-142

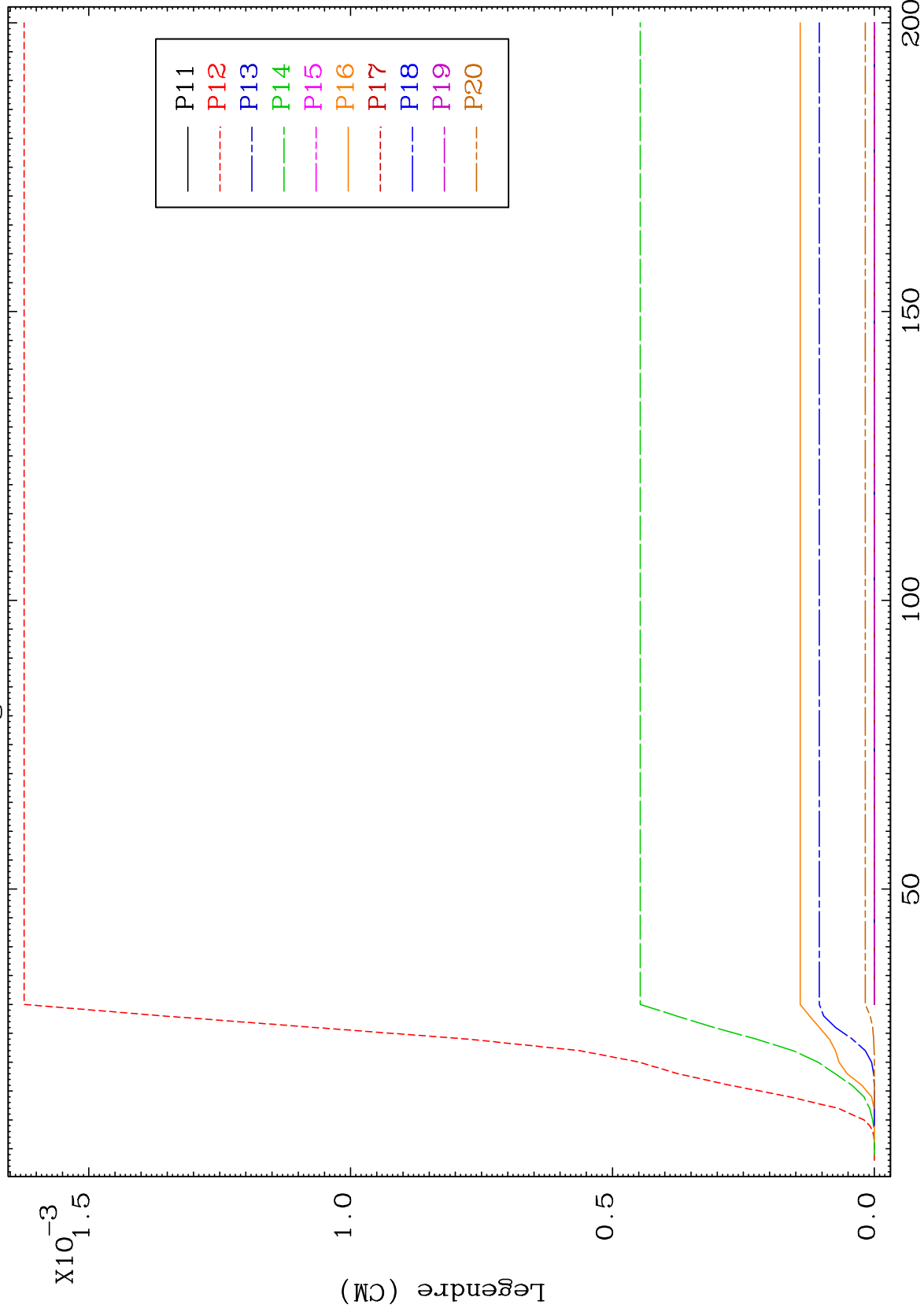




MAT 6298

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

63-Eu-142



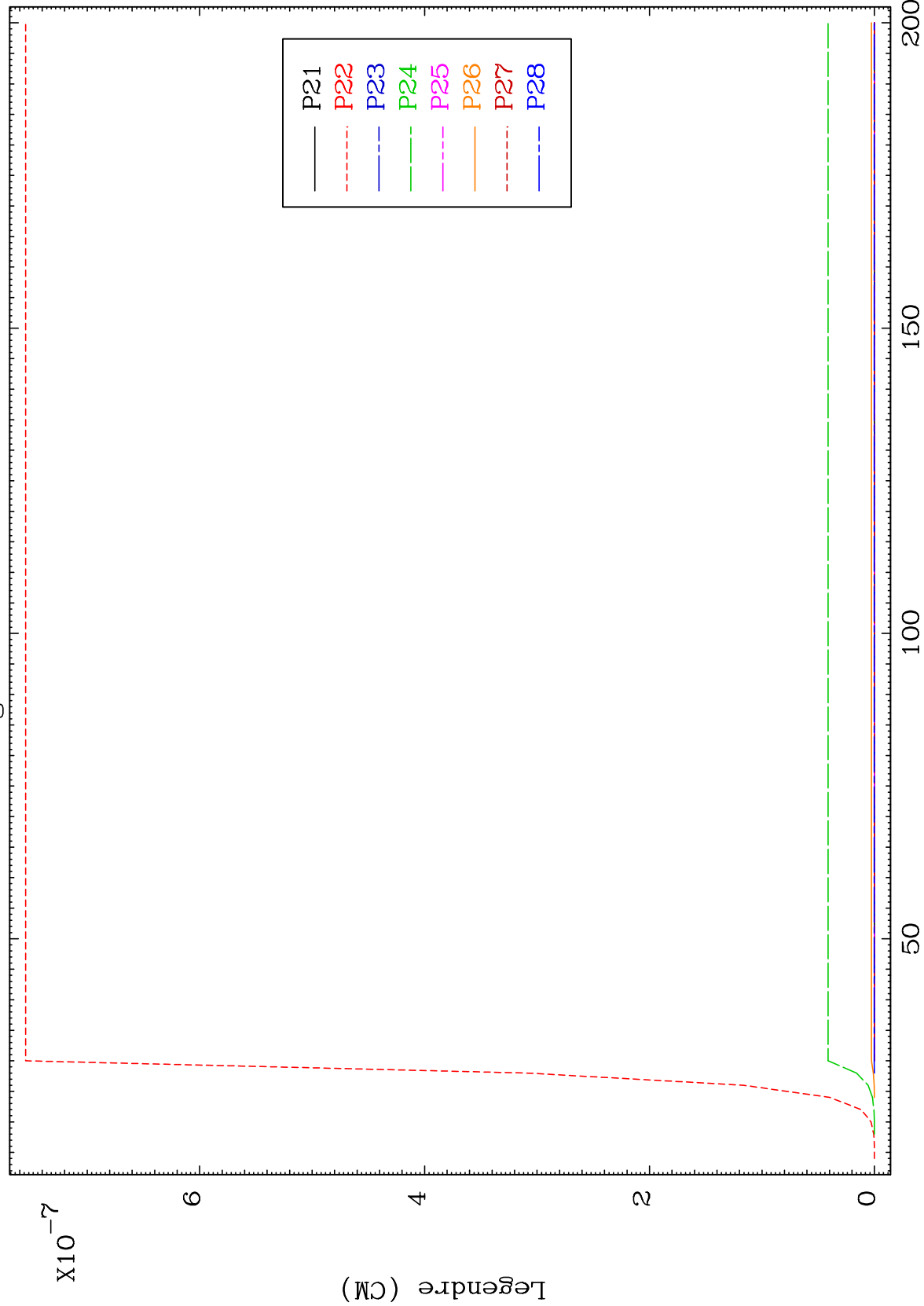
33

63-Eu-142

MAT 6298

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

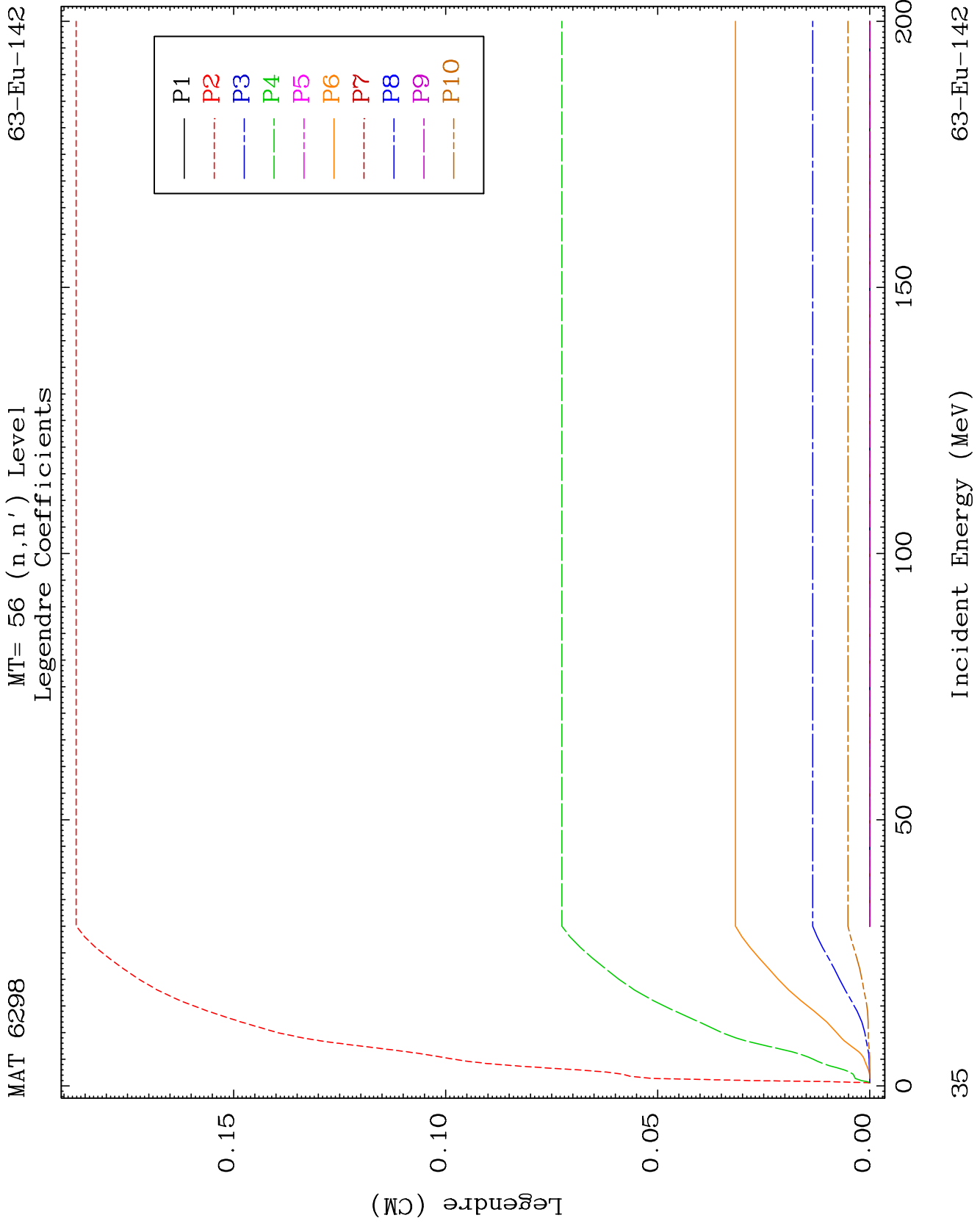
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34

Incident Energy (MeV)

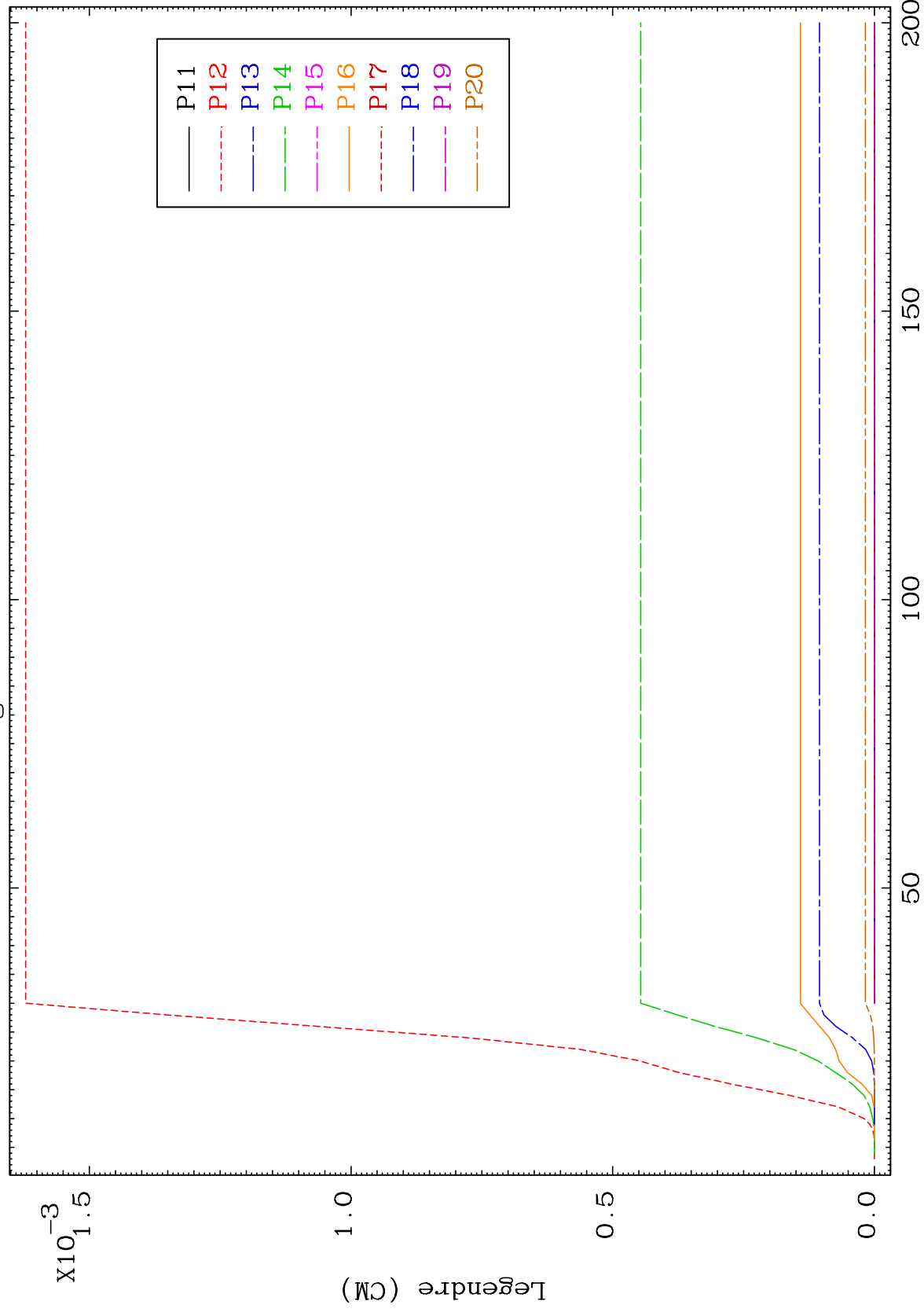
63-Eu-142



MAT 6298

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

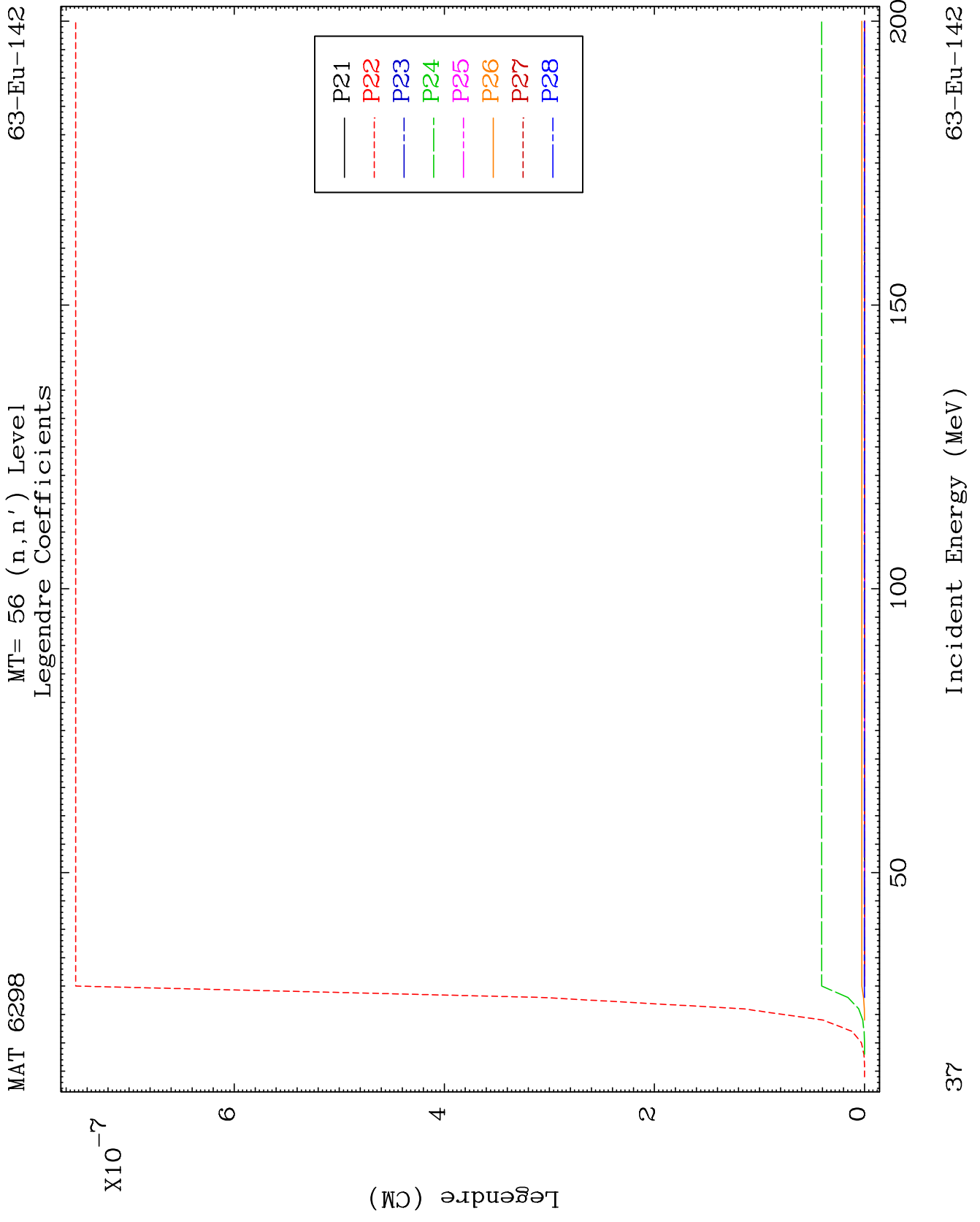
63-Eu-142



36

Incident Energy (MeV)

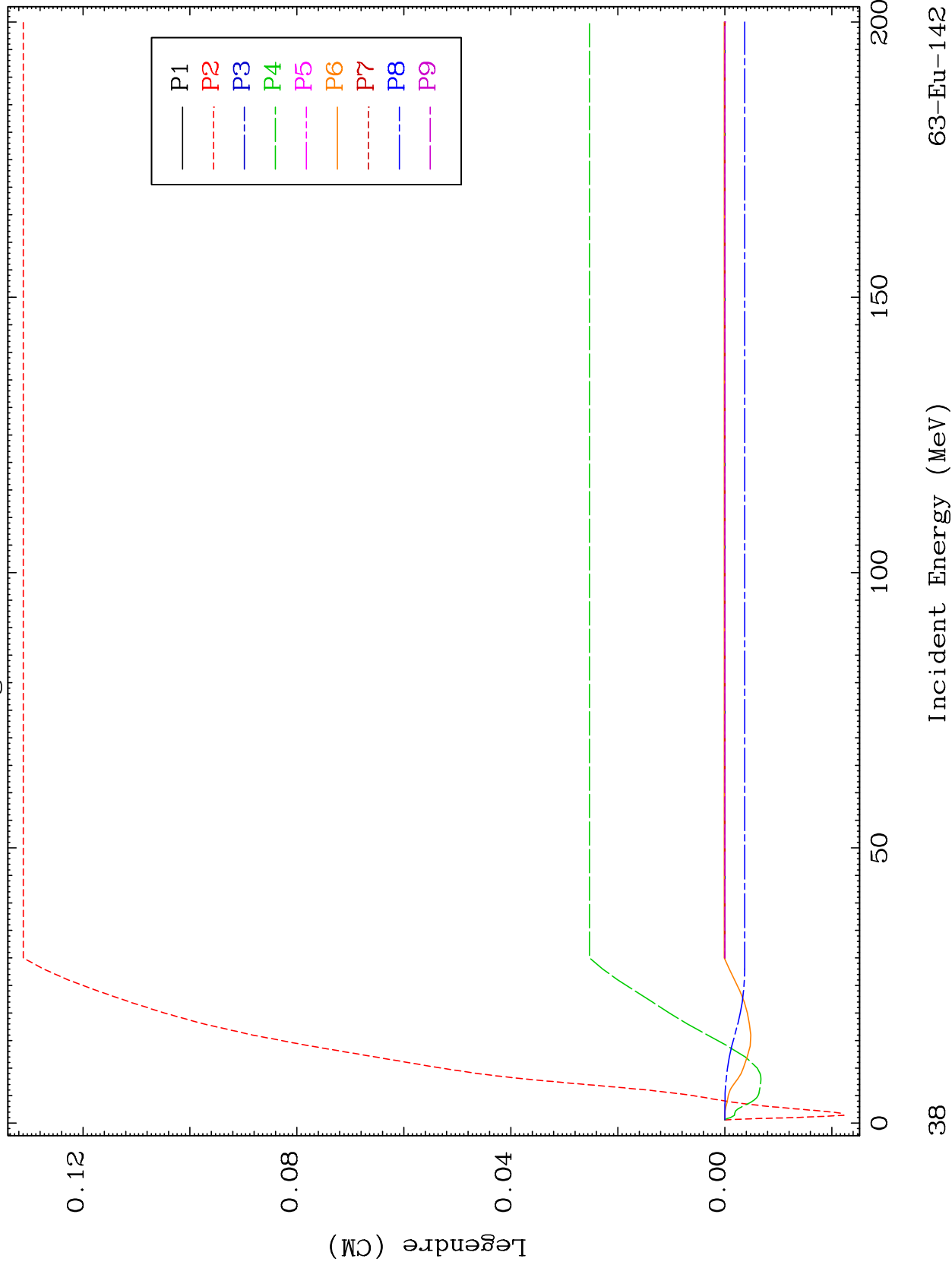
63-Eu-142



MAT 6298

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

63-Eu-142



63-Eu-142

Incident Energy (MeV)

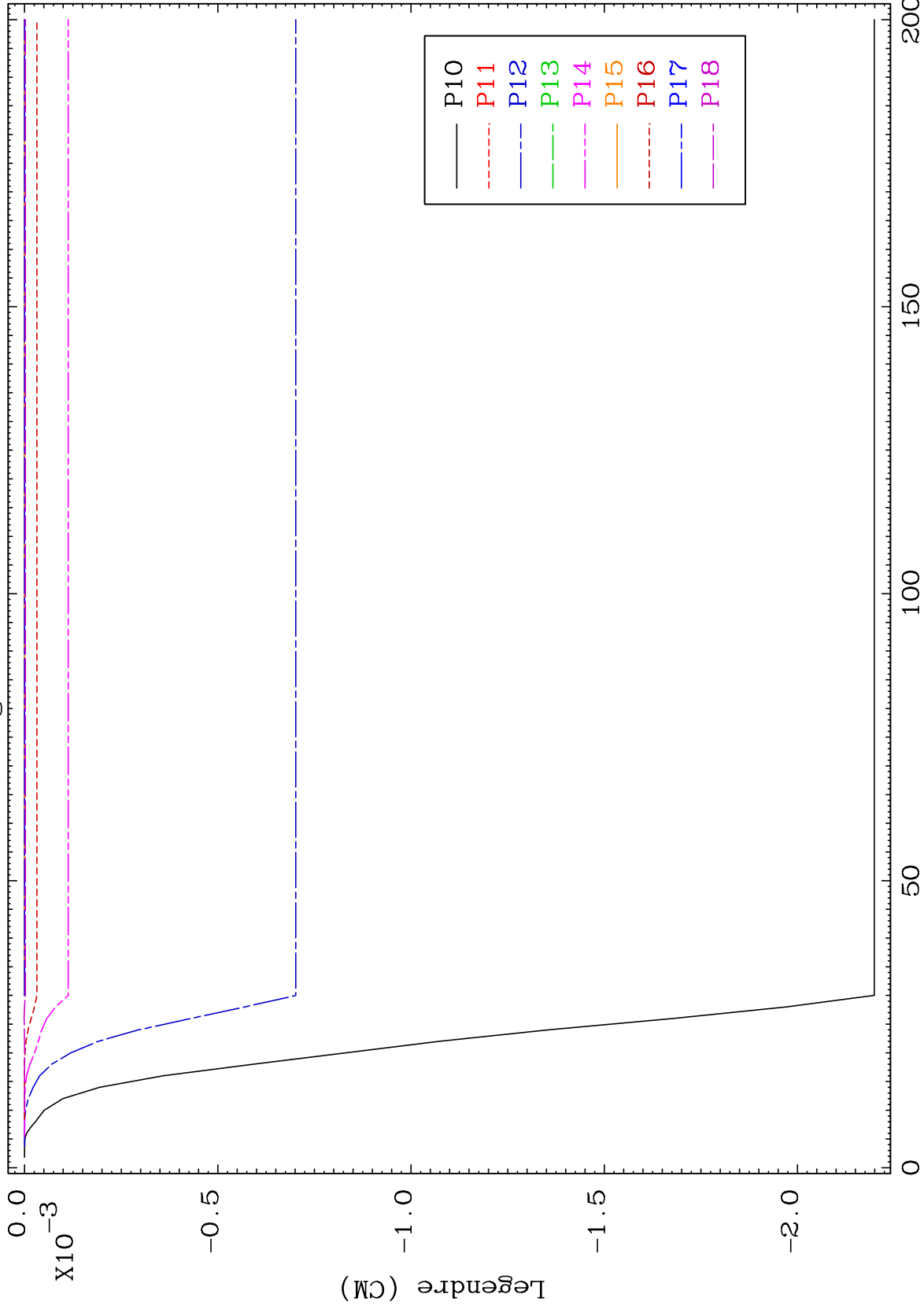
38

MAT 6298

MT= 57 (n,n') Level

63-Eu-142

Legendre Coefficients



39

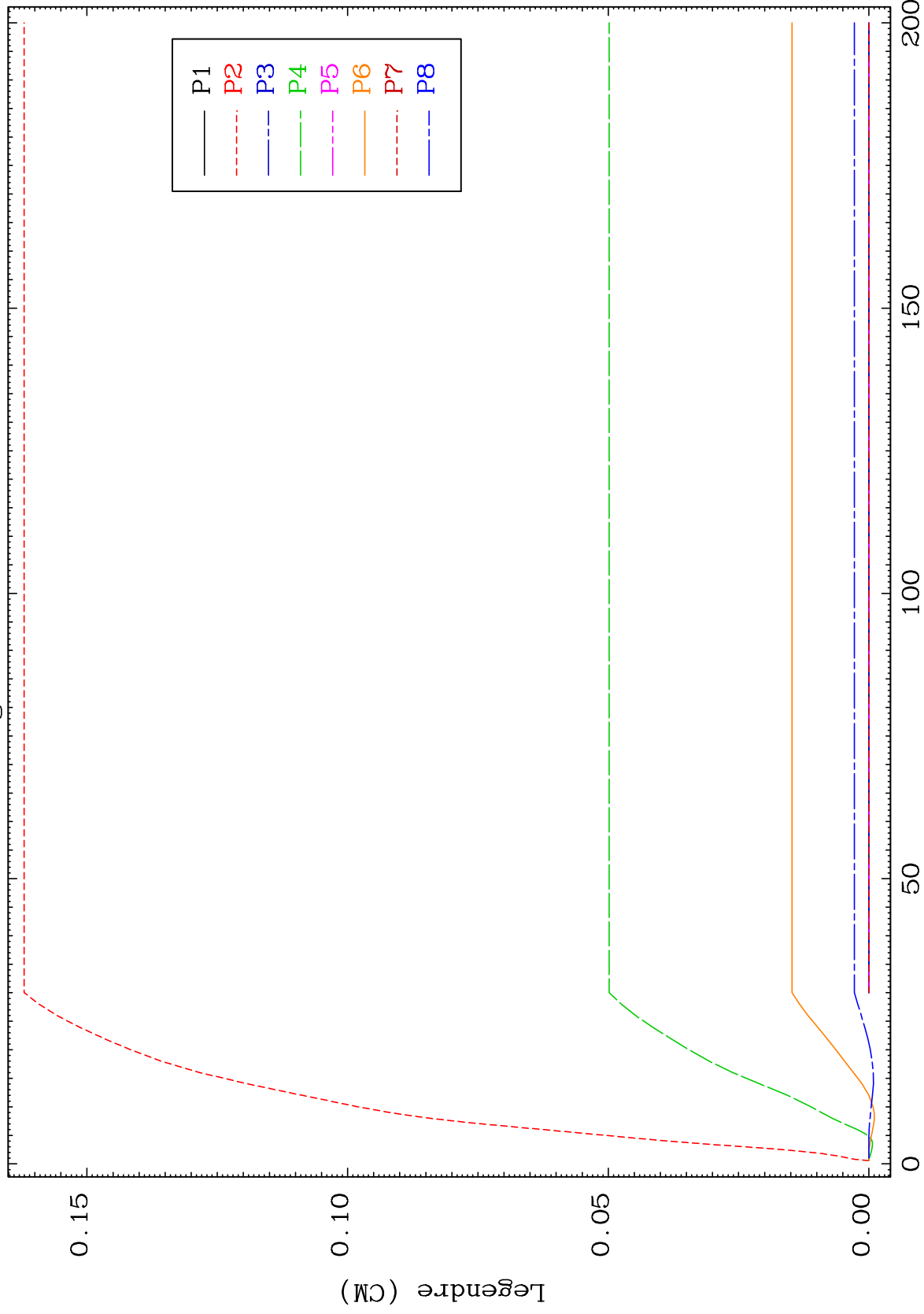
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



41

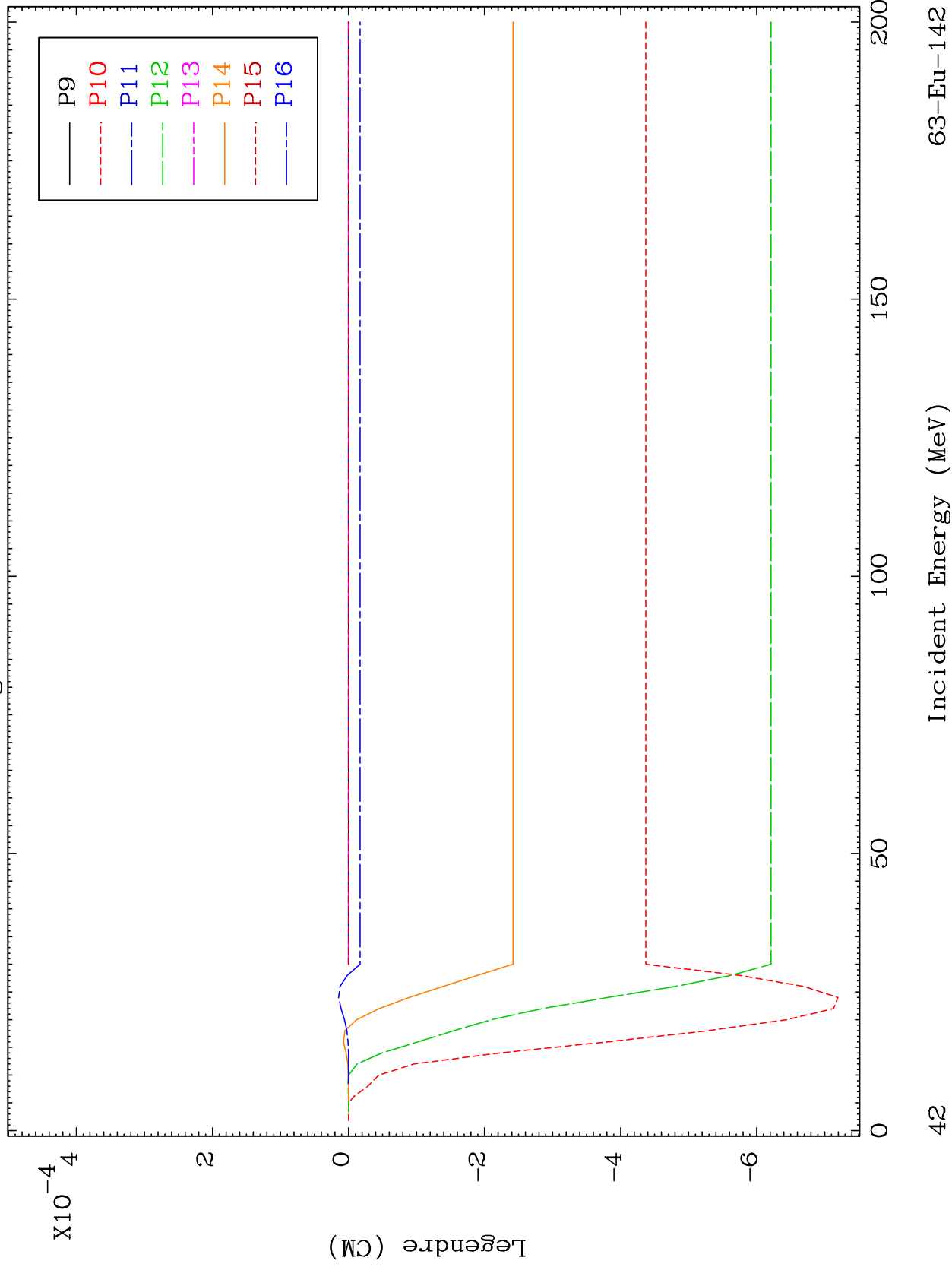
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



42

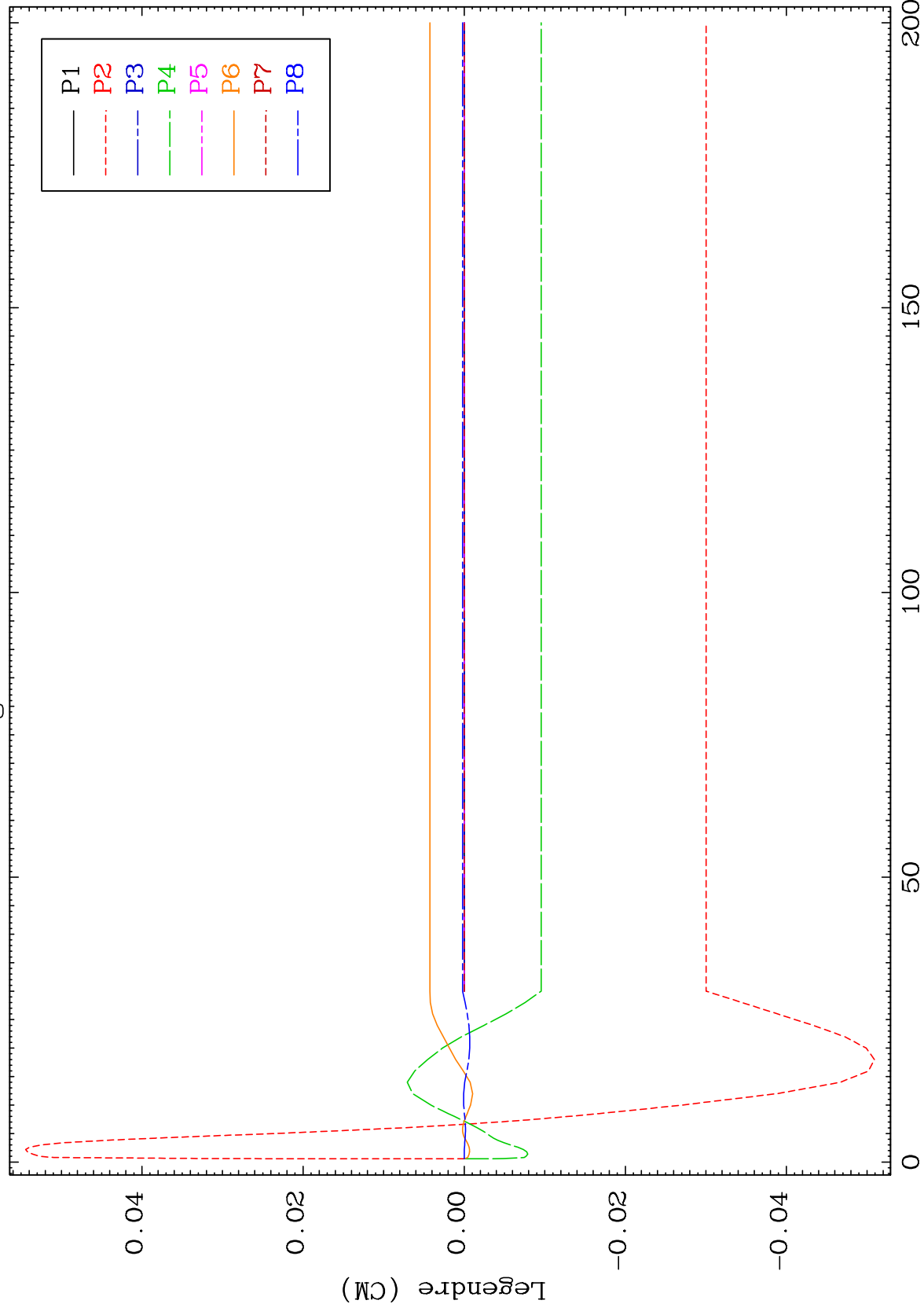
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



44

Incident Energy (MeV)

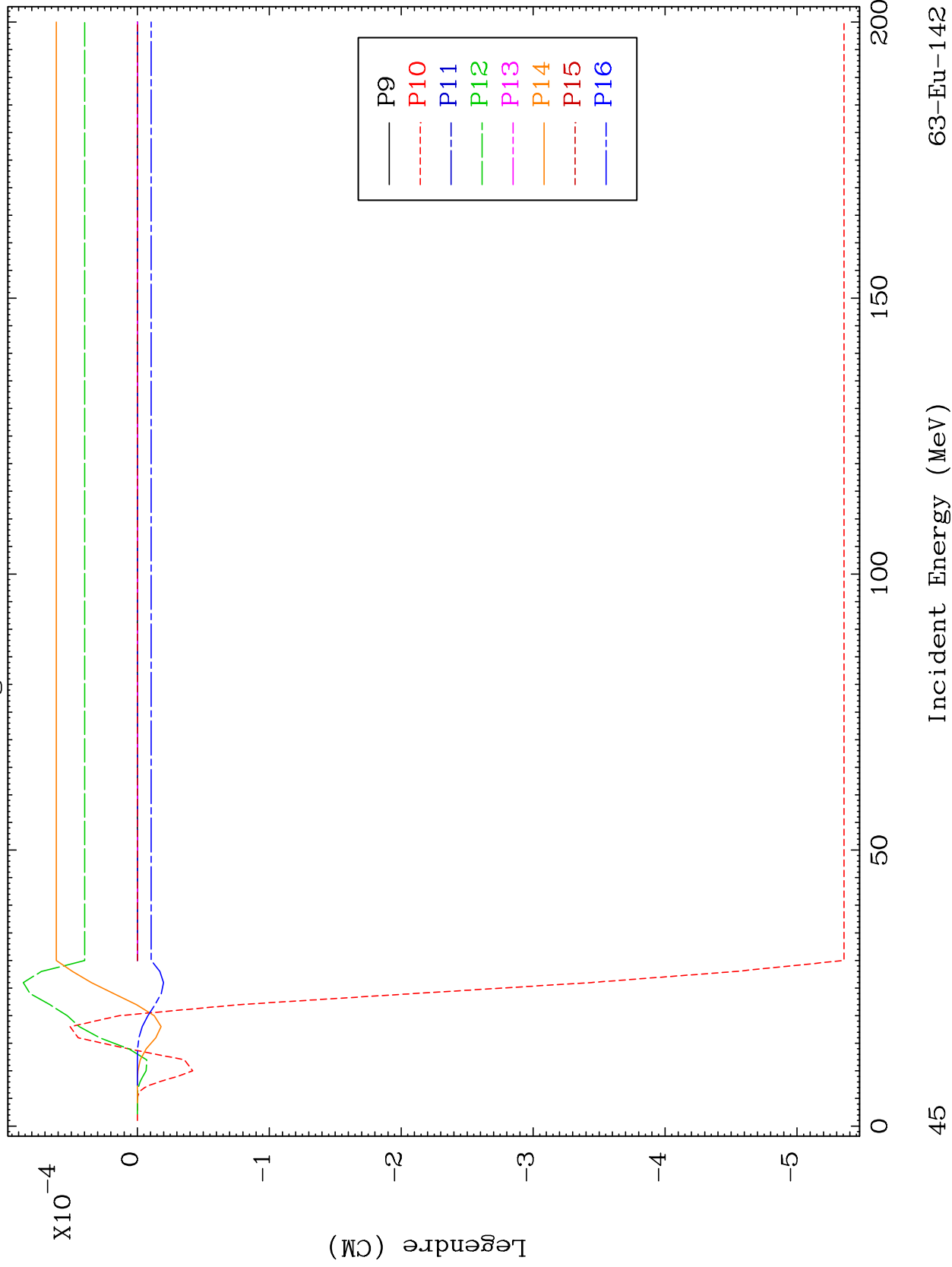
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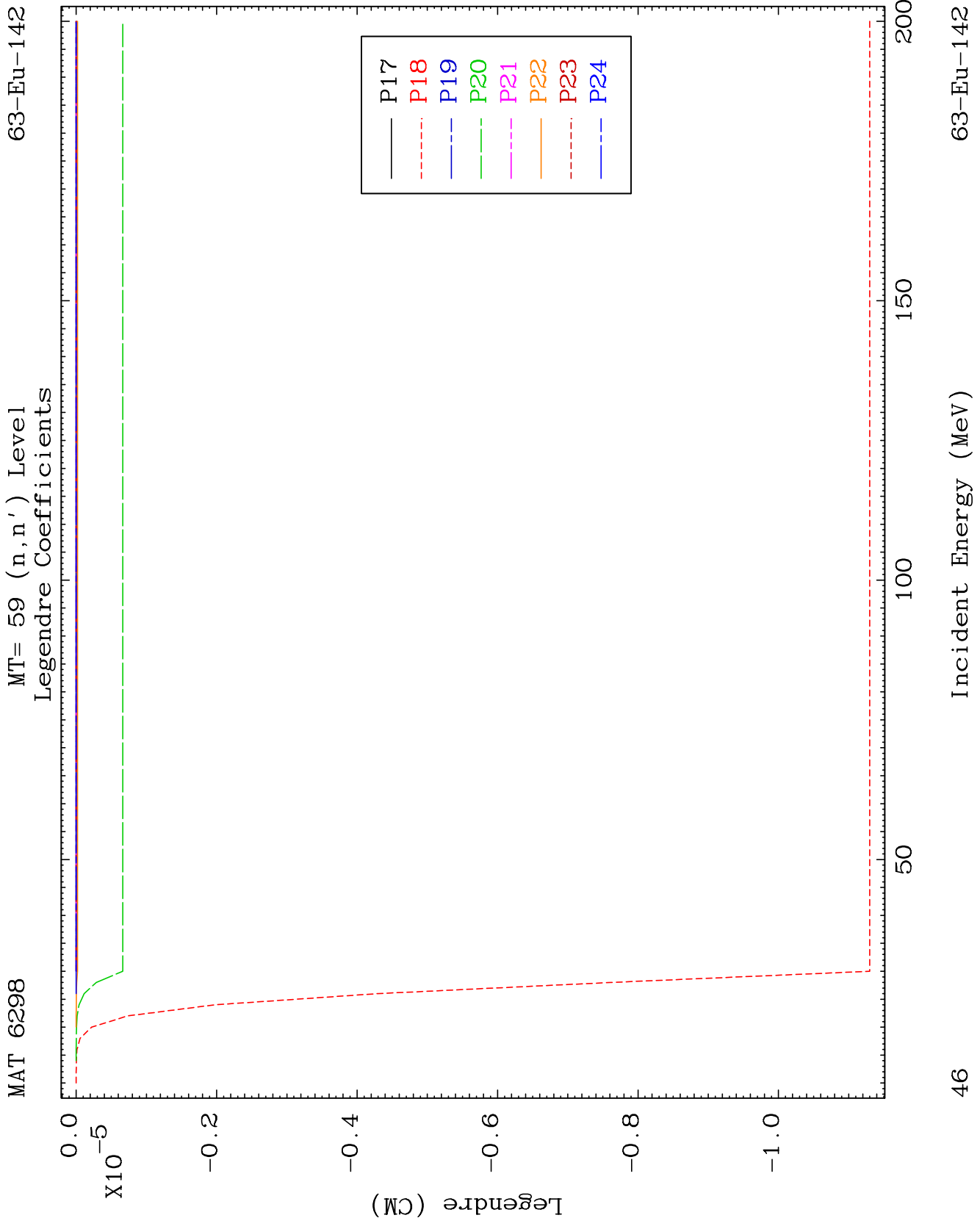
MAT 6298

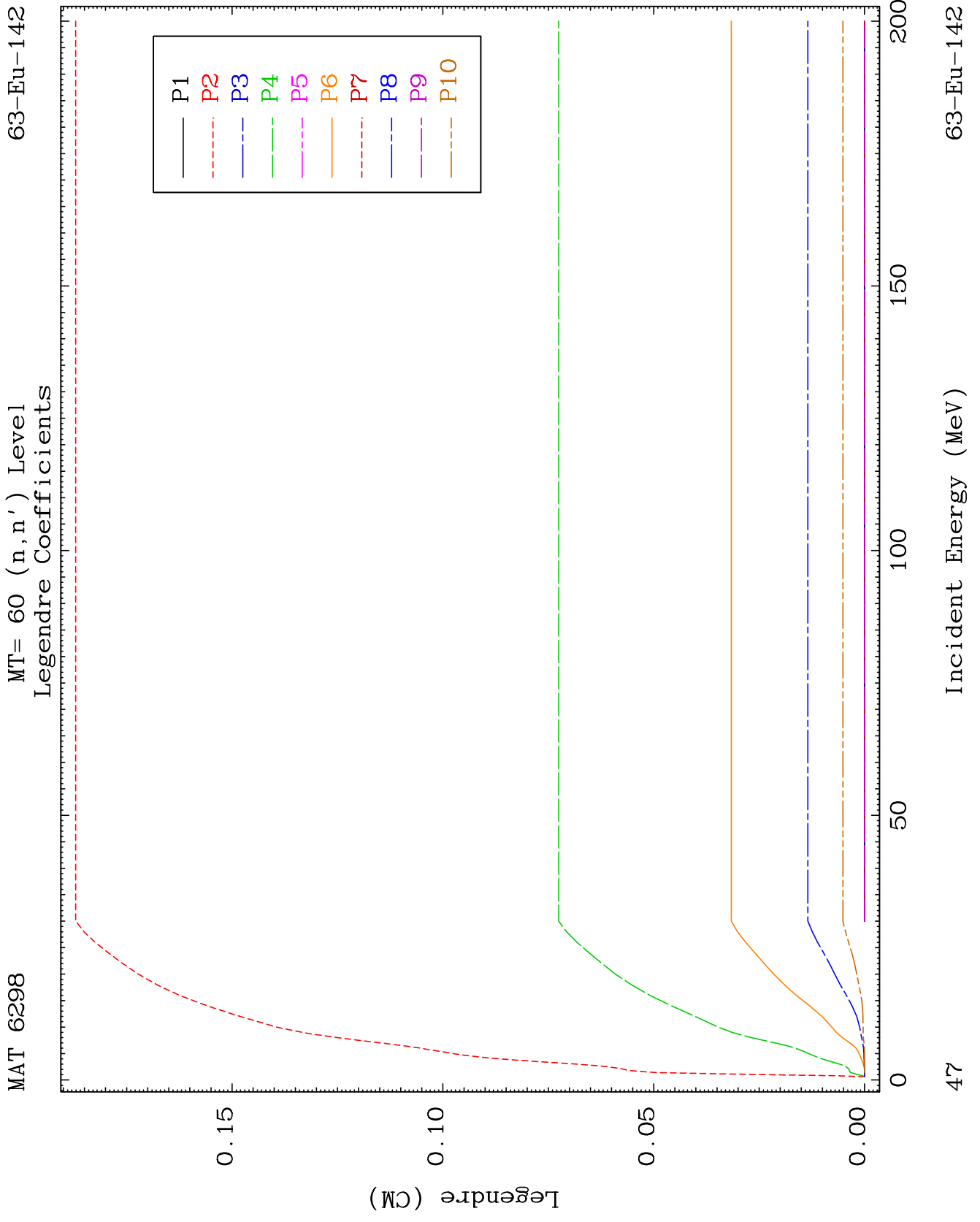
MT= 59 (n,n') Level

63-Eu-142

Legendre Coefficients



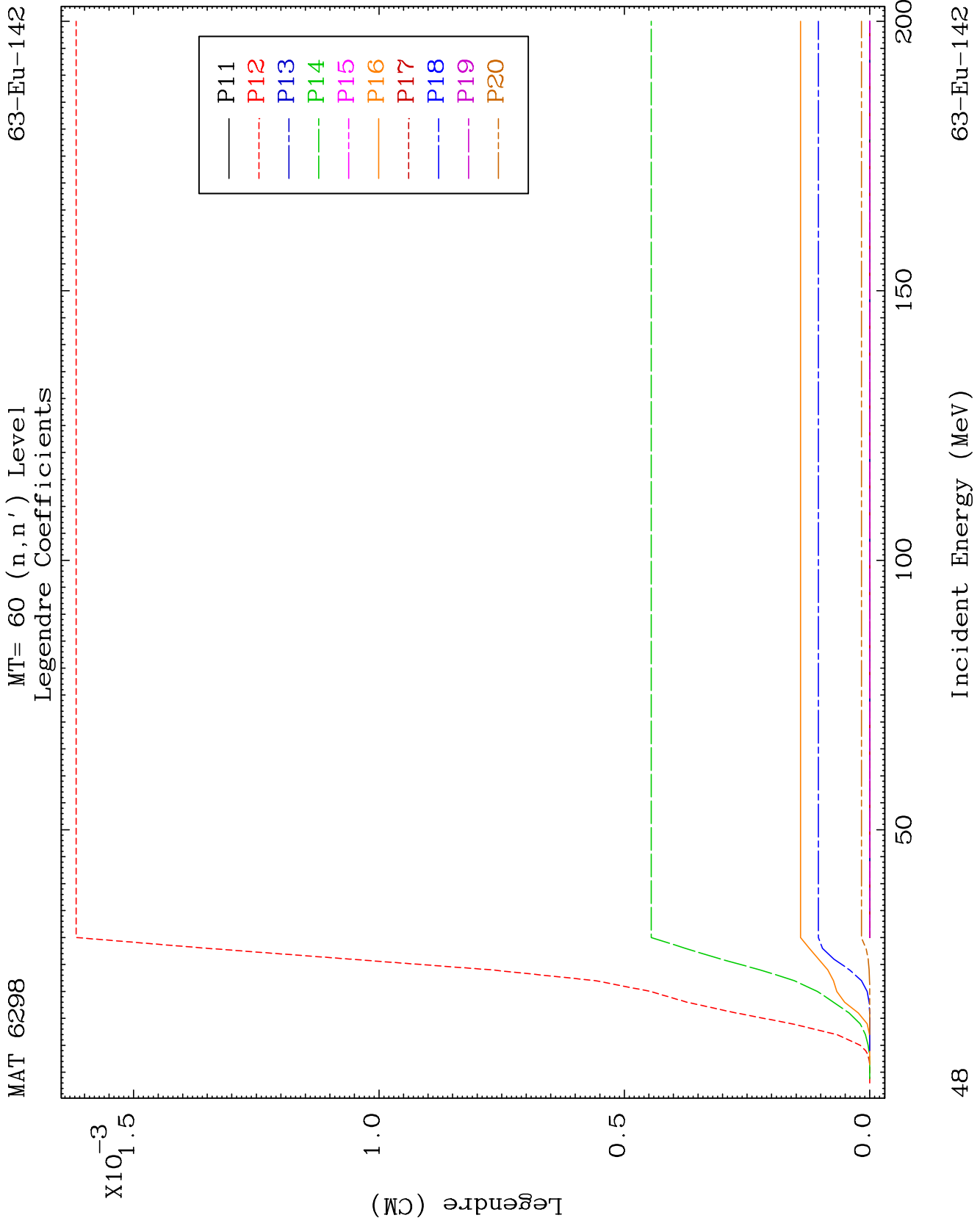


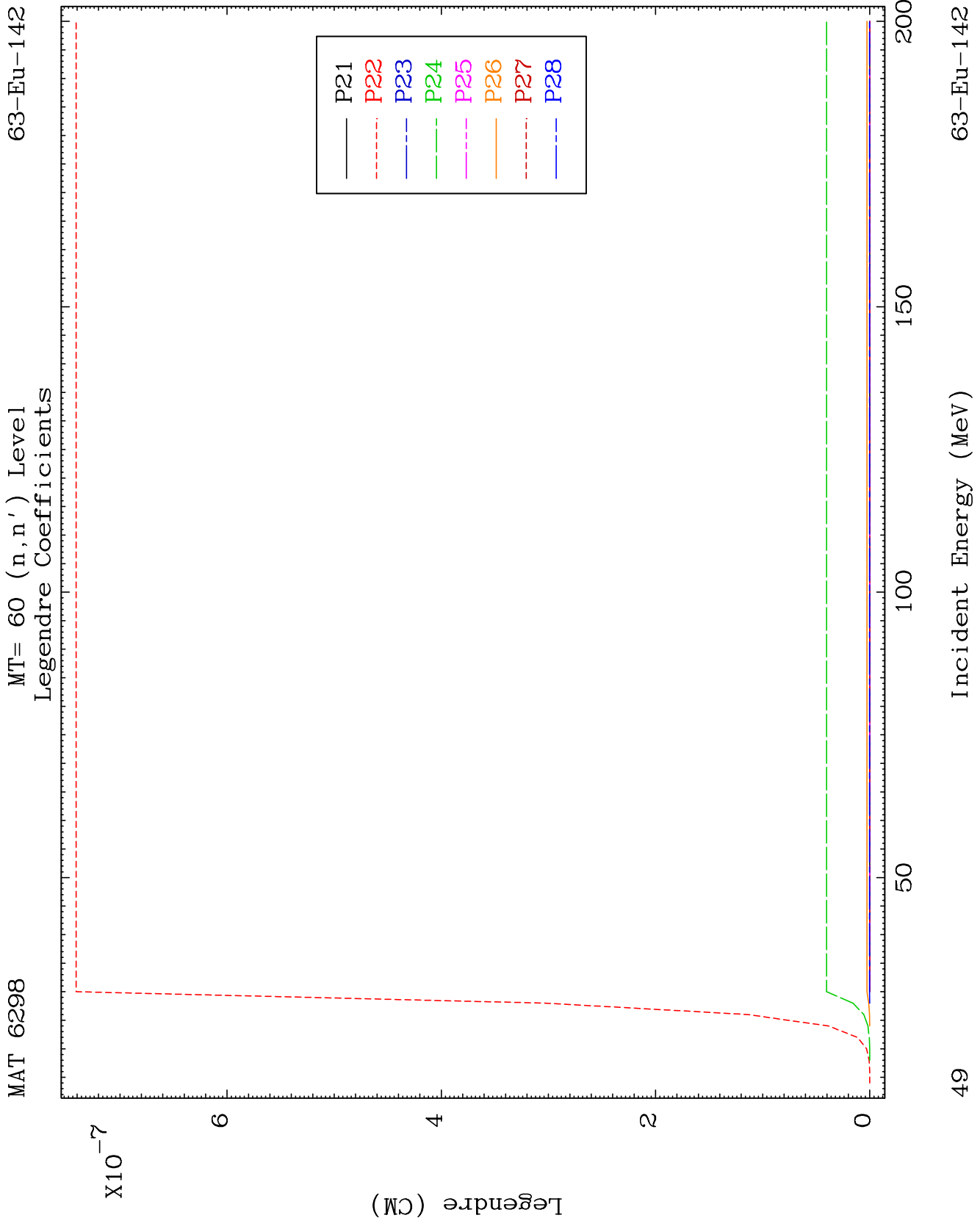


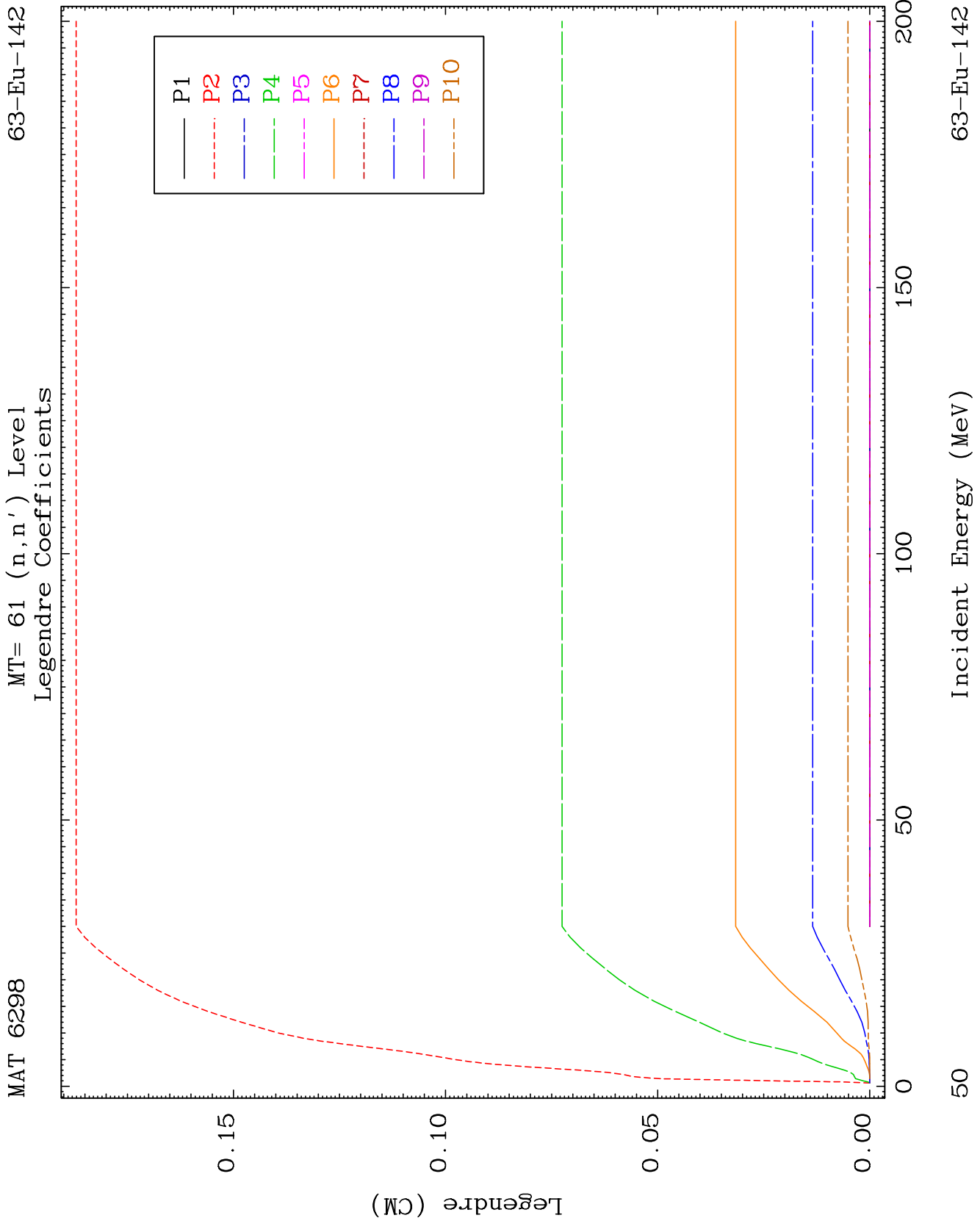
63-Eu-142

Incident Energy (MeV)

47



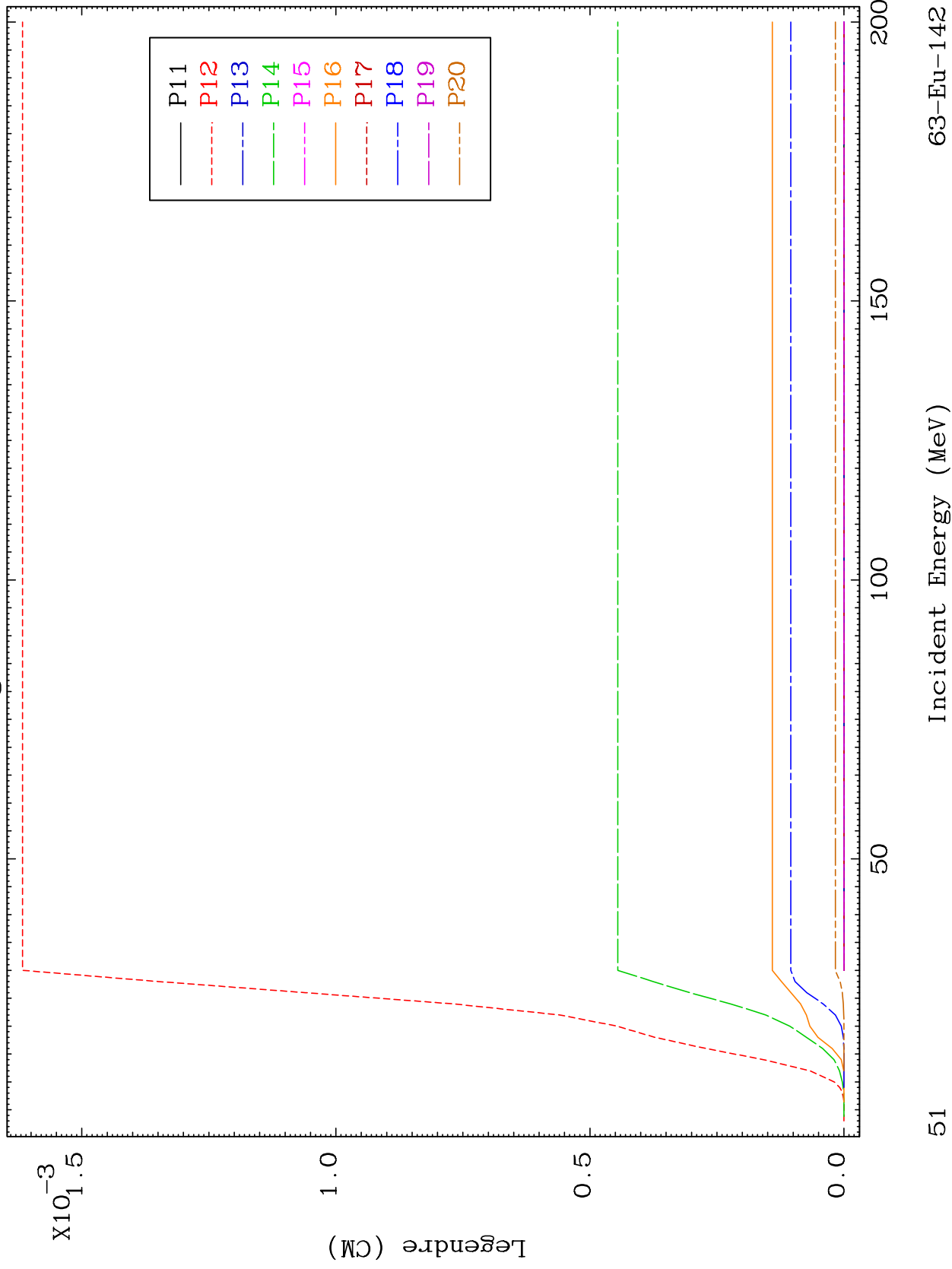




MAT 6298

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

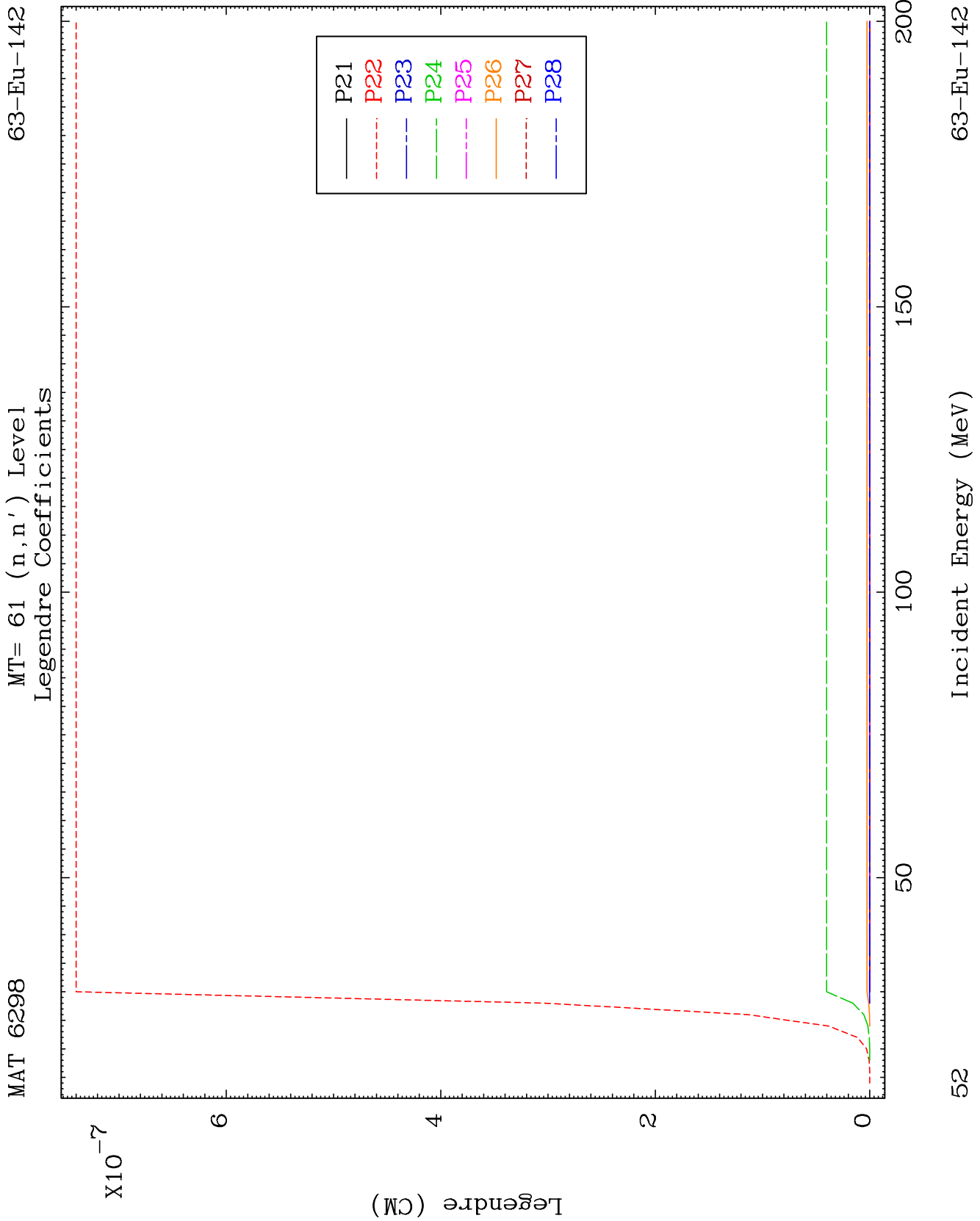
63-Eu-142



51

Incident Energy (MeV)

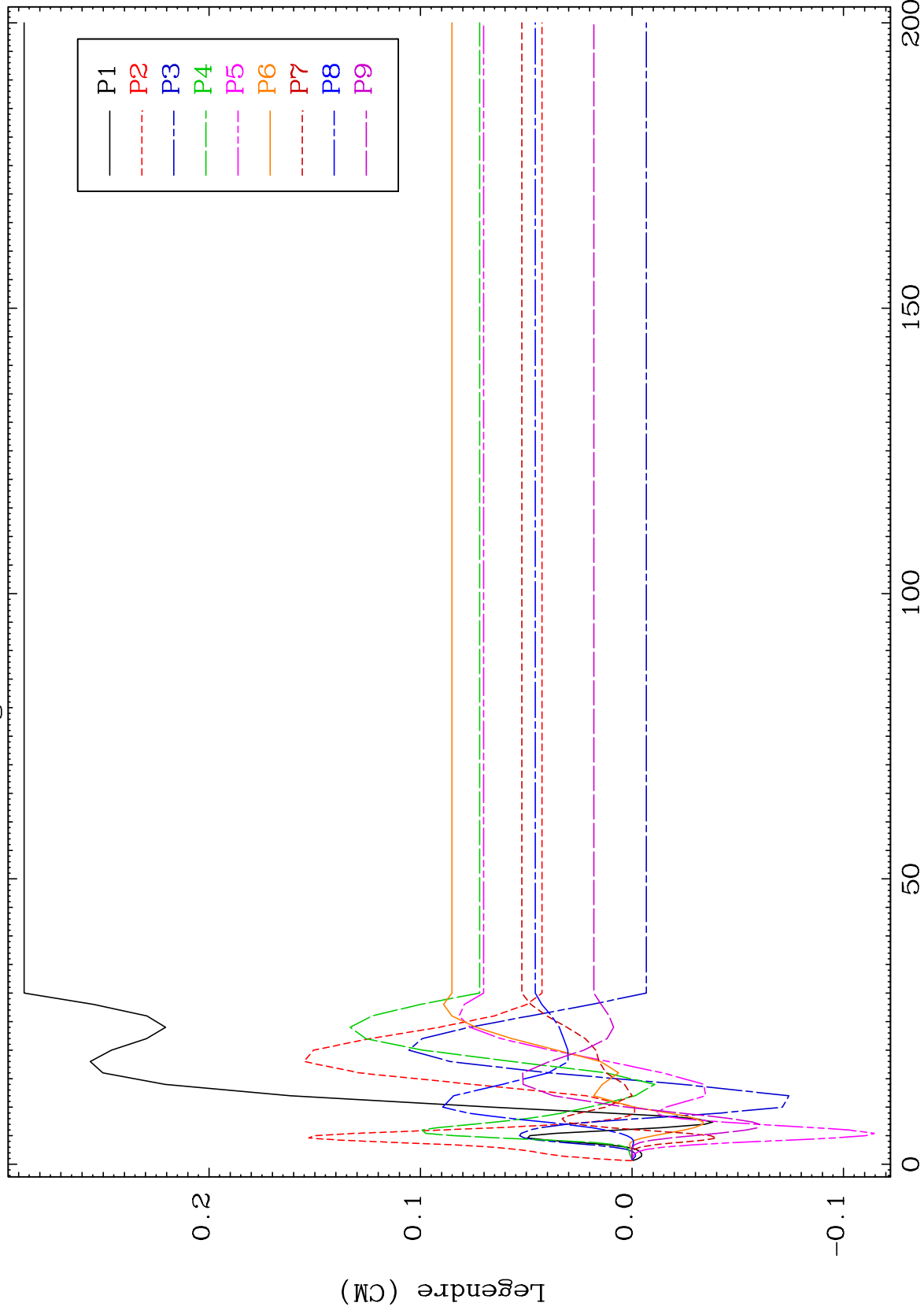
63-Eu-142



MAT 6298

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

63-Eu-142



53

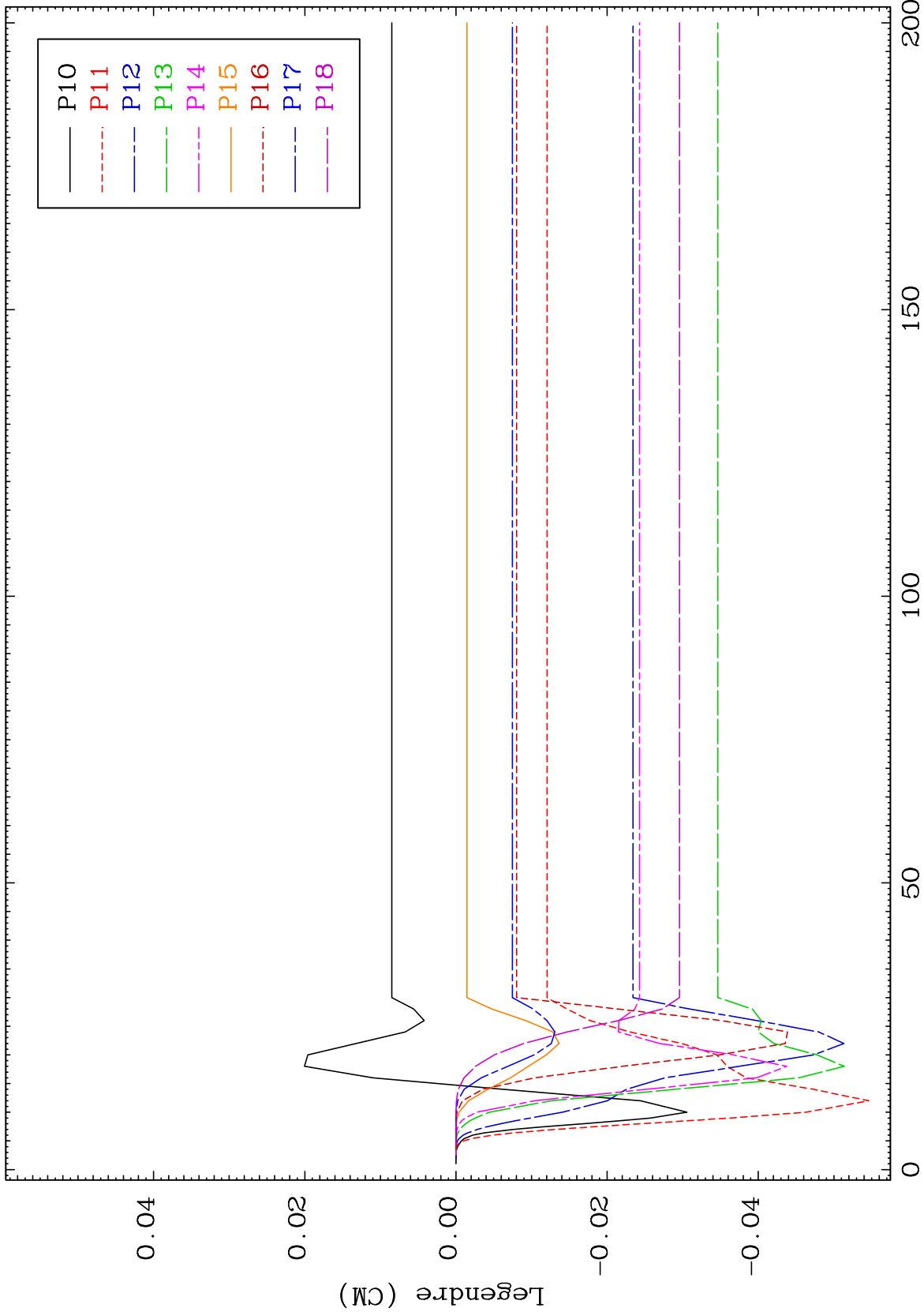
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

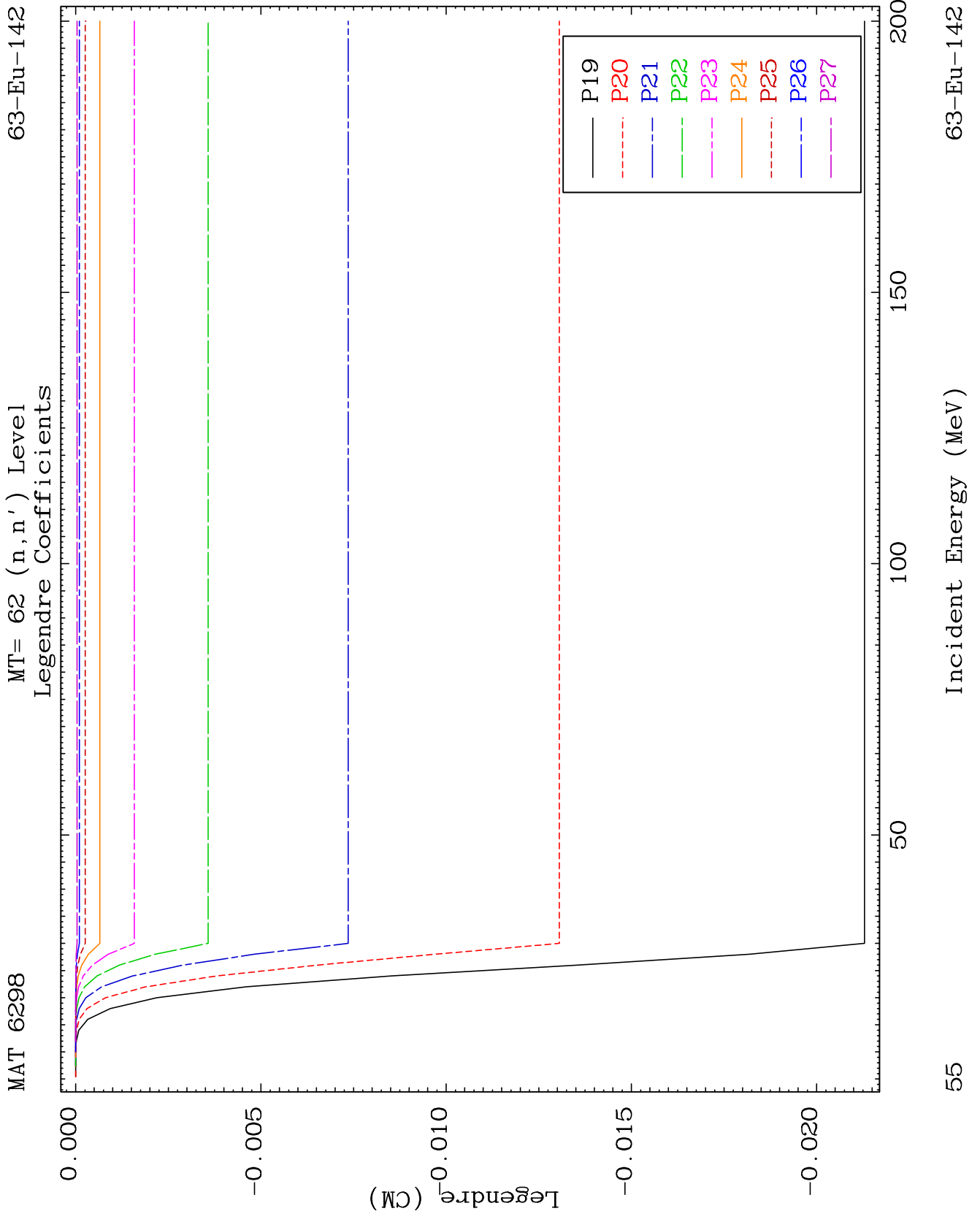
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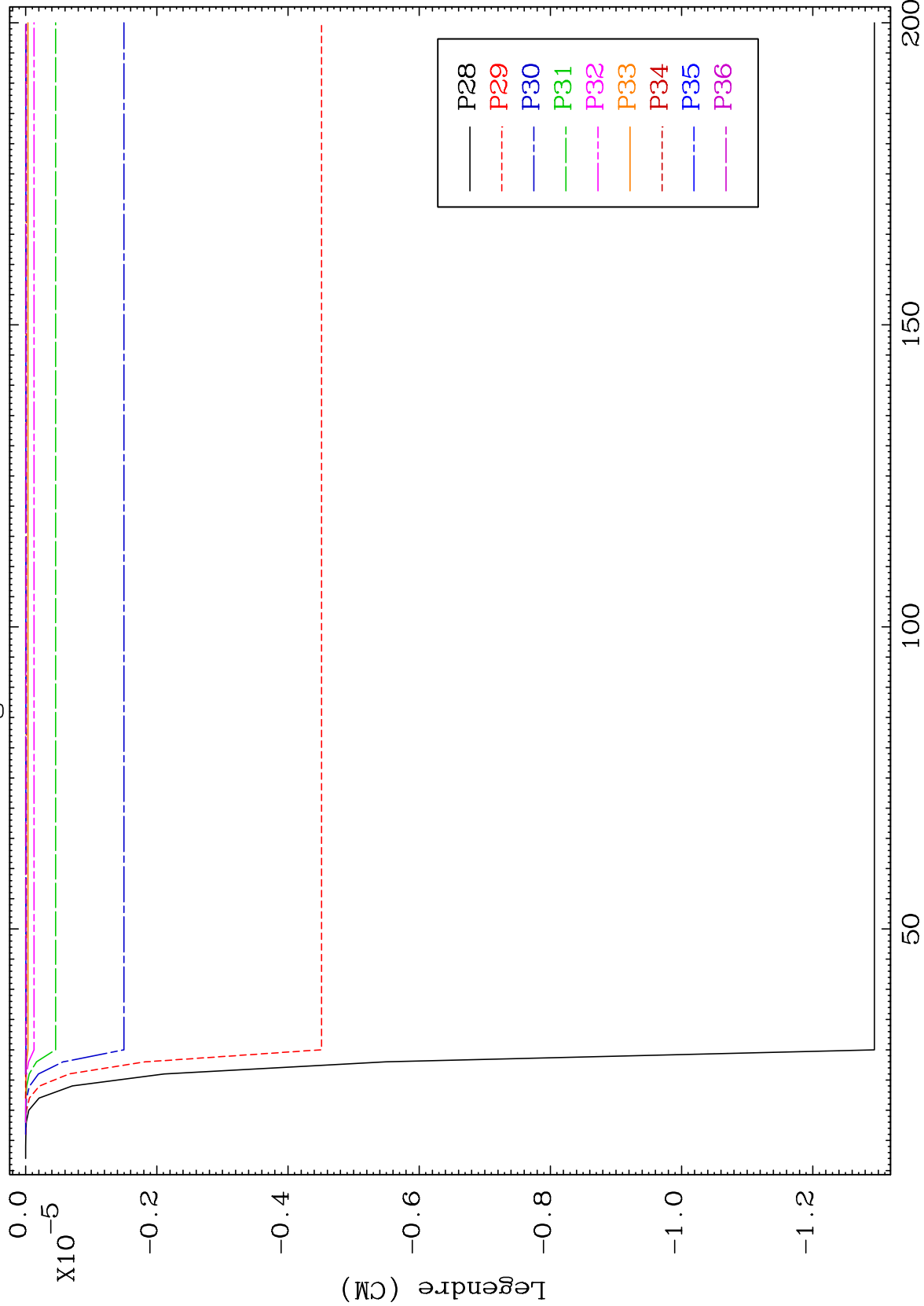


54

Incident Energy (MeV)

63-Eu-142

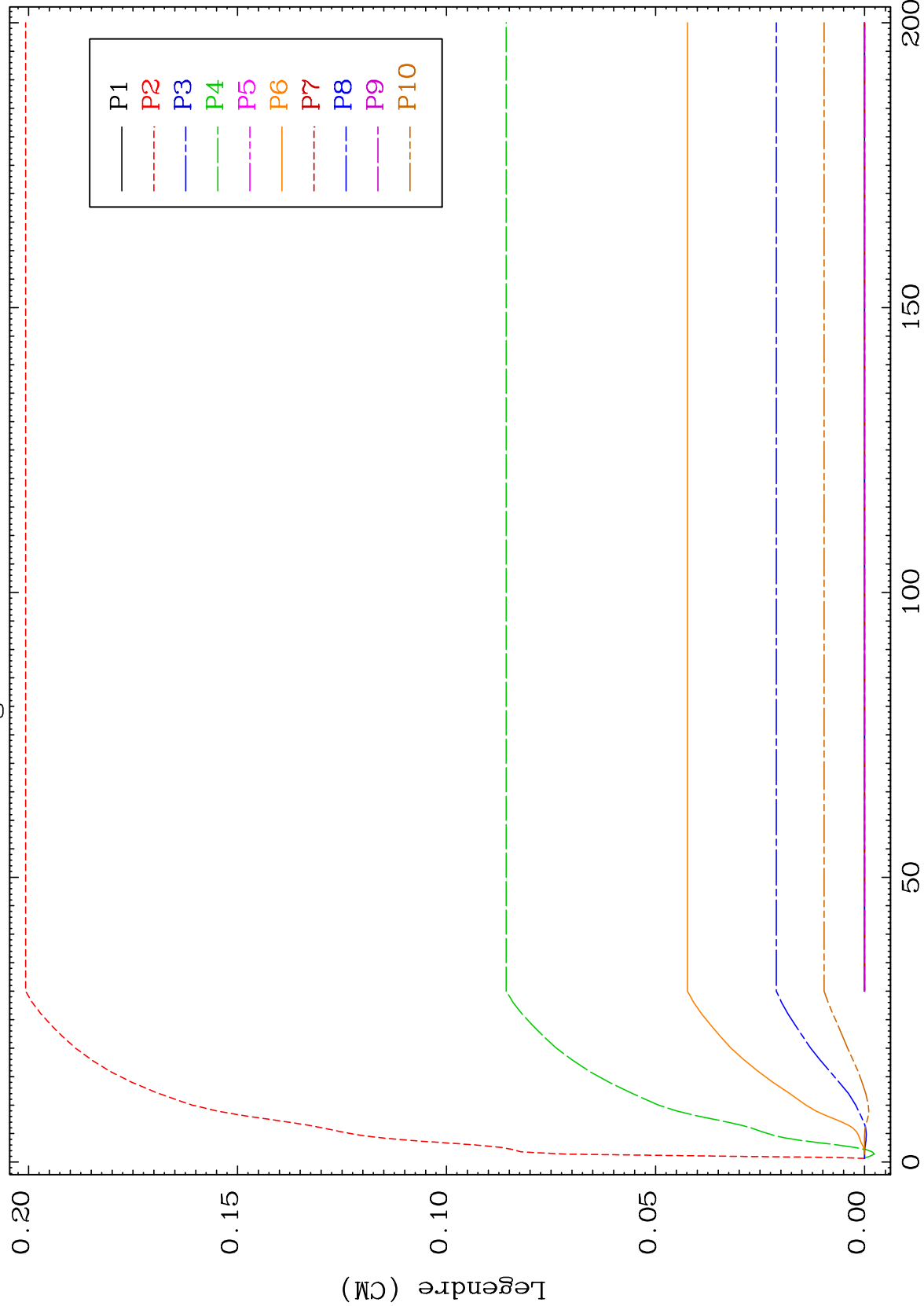




MAT 6298

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

63-Eu-142



57

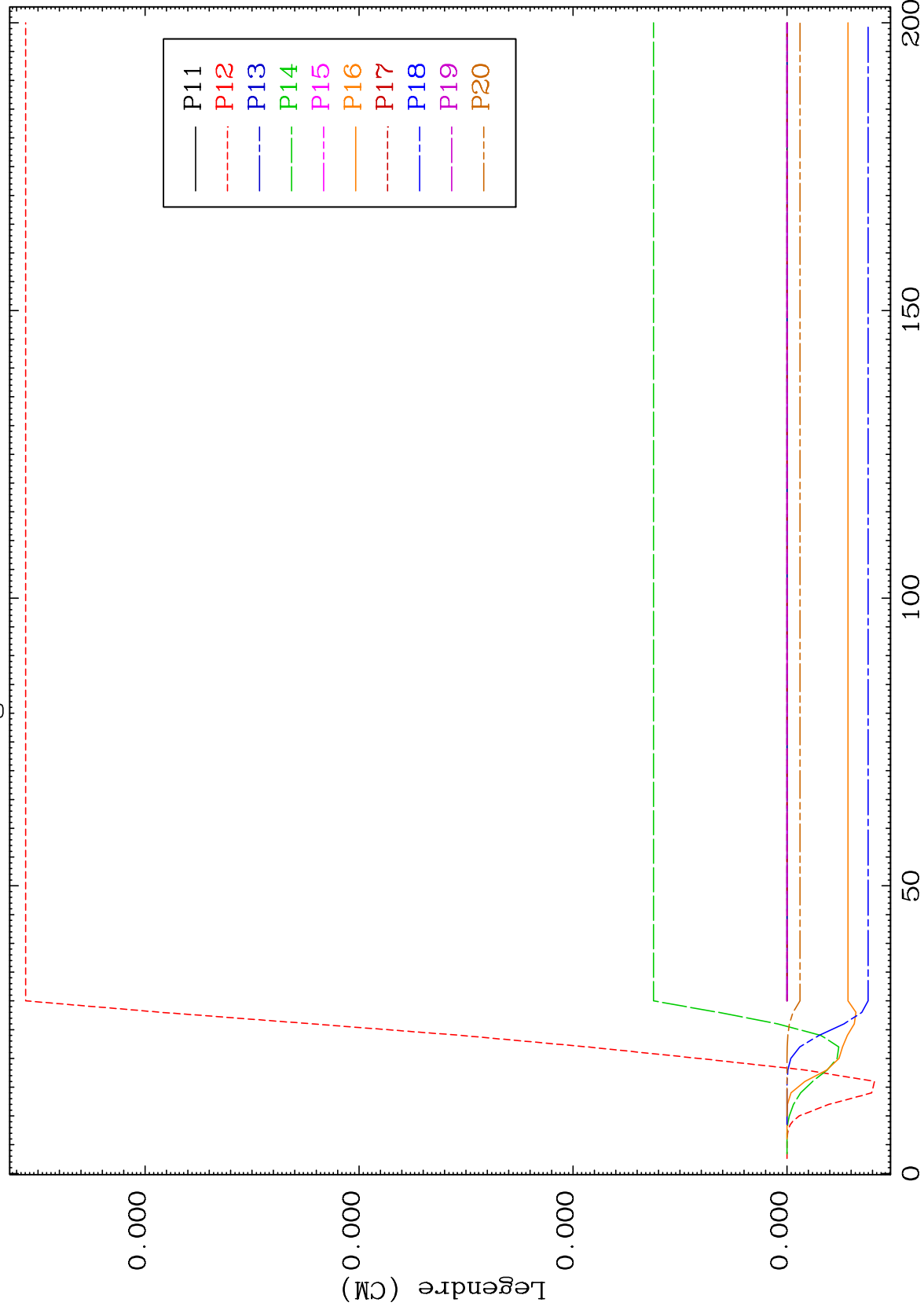
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

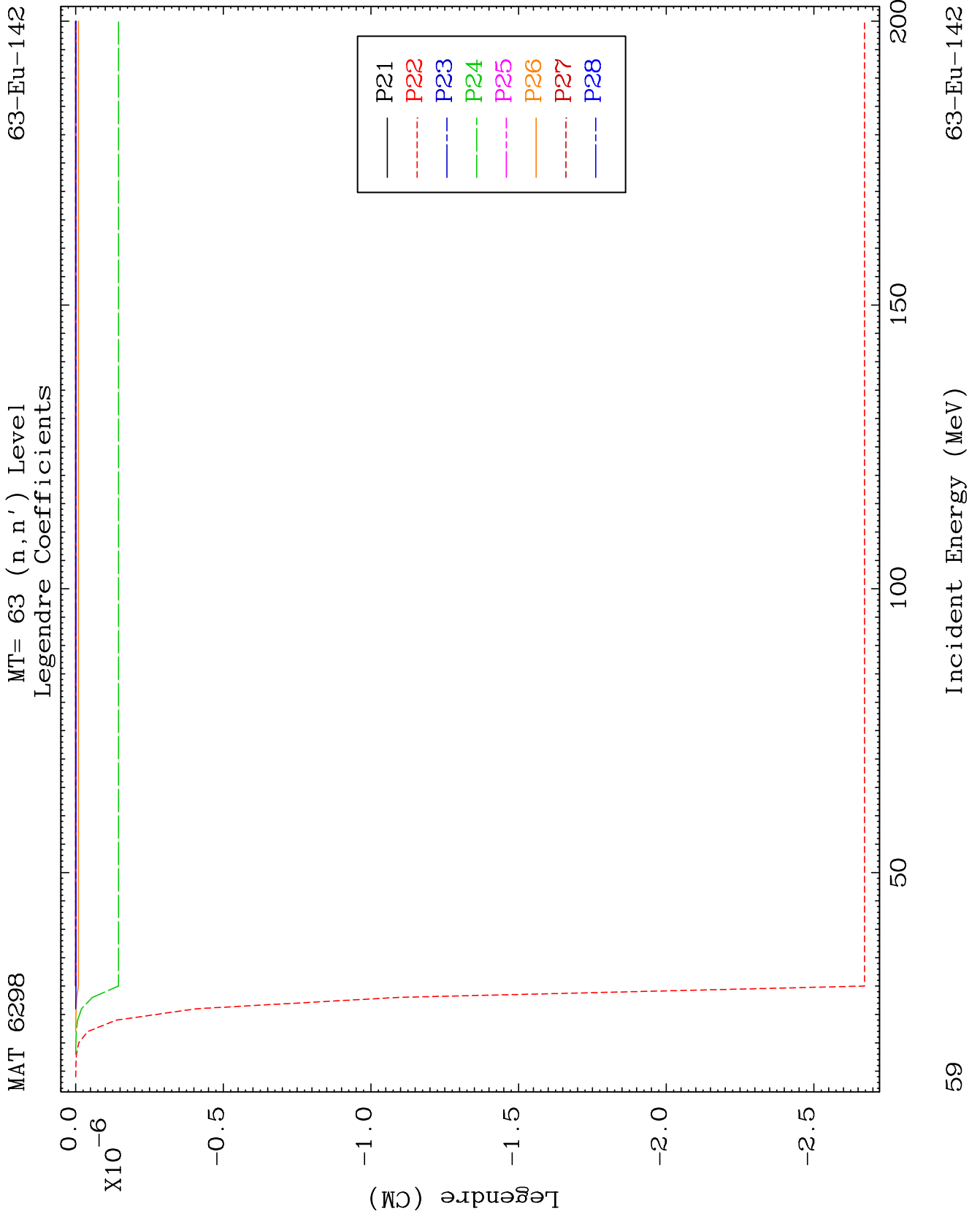
63-Eu-142



58

Incident Energy (MeV)

63-Eu-142

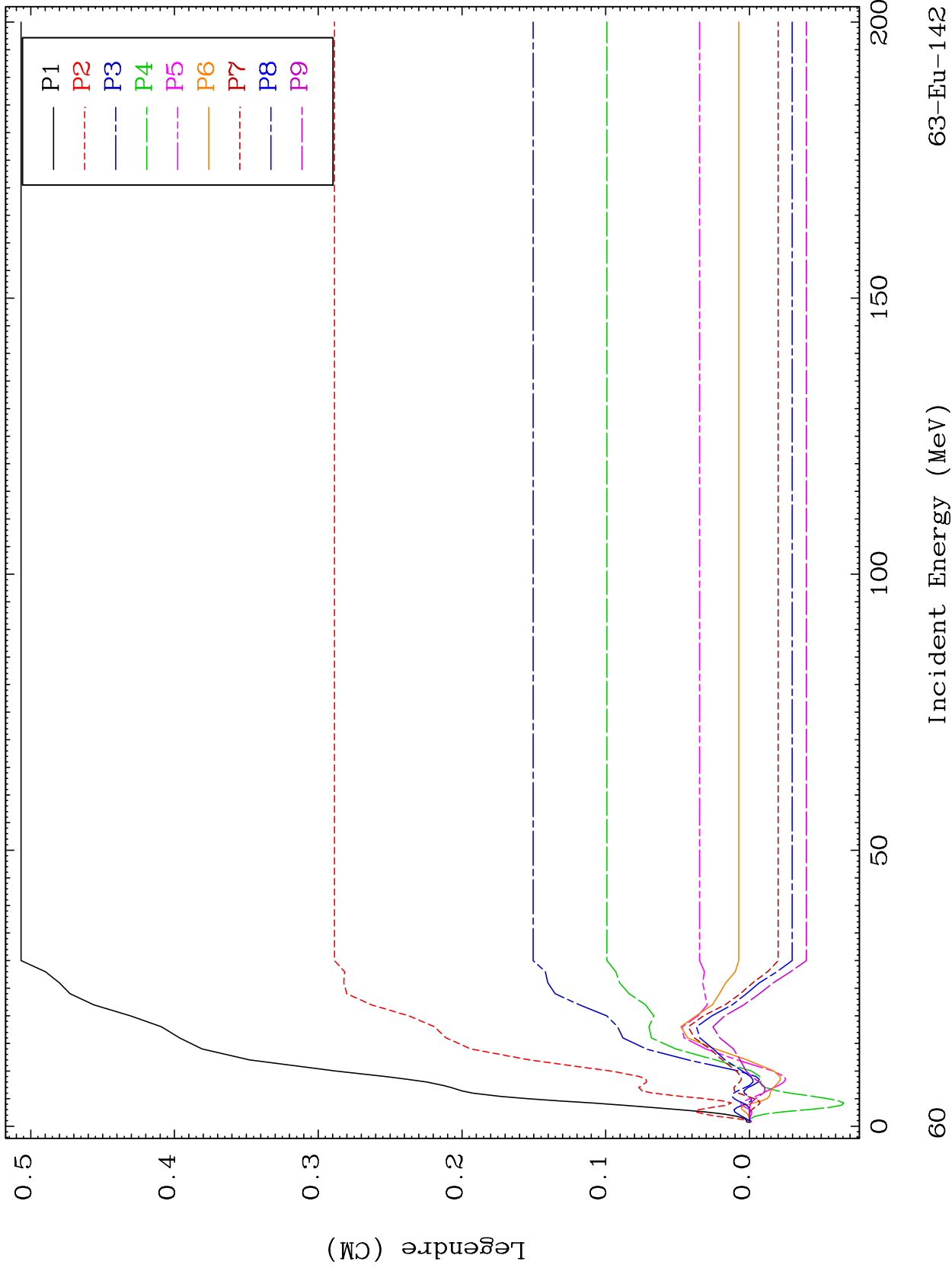


MAT 6298

MT= 64 (n,n') Level

63-Eu-142

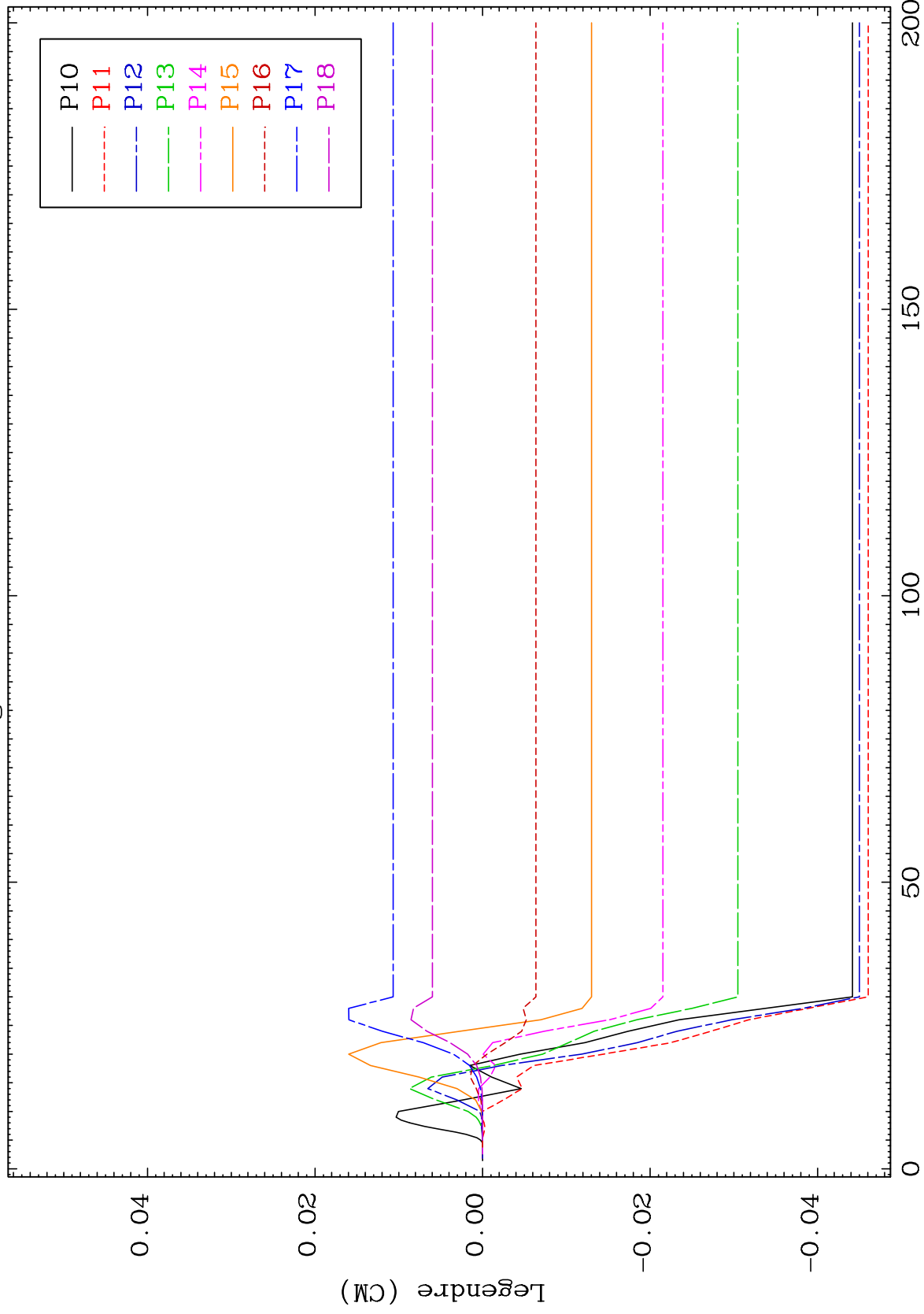
Legendre Coefficients



MAT 6298

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

63-Eu-142



61

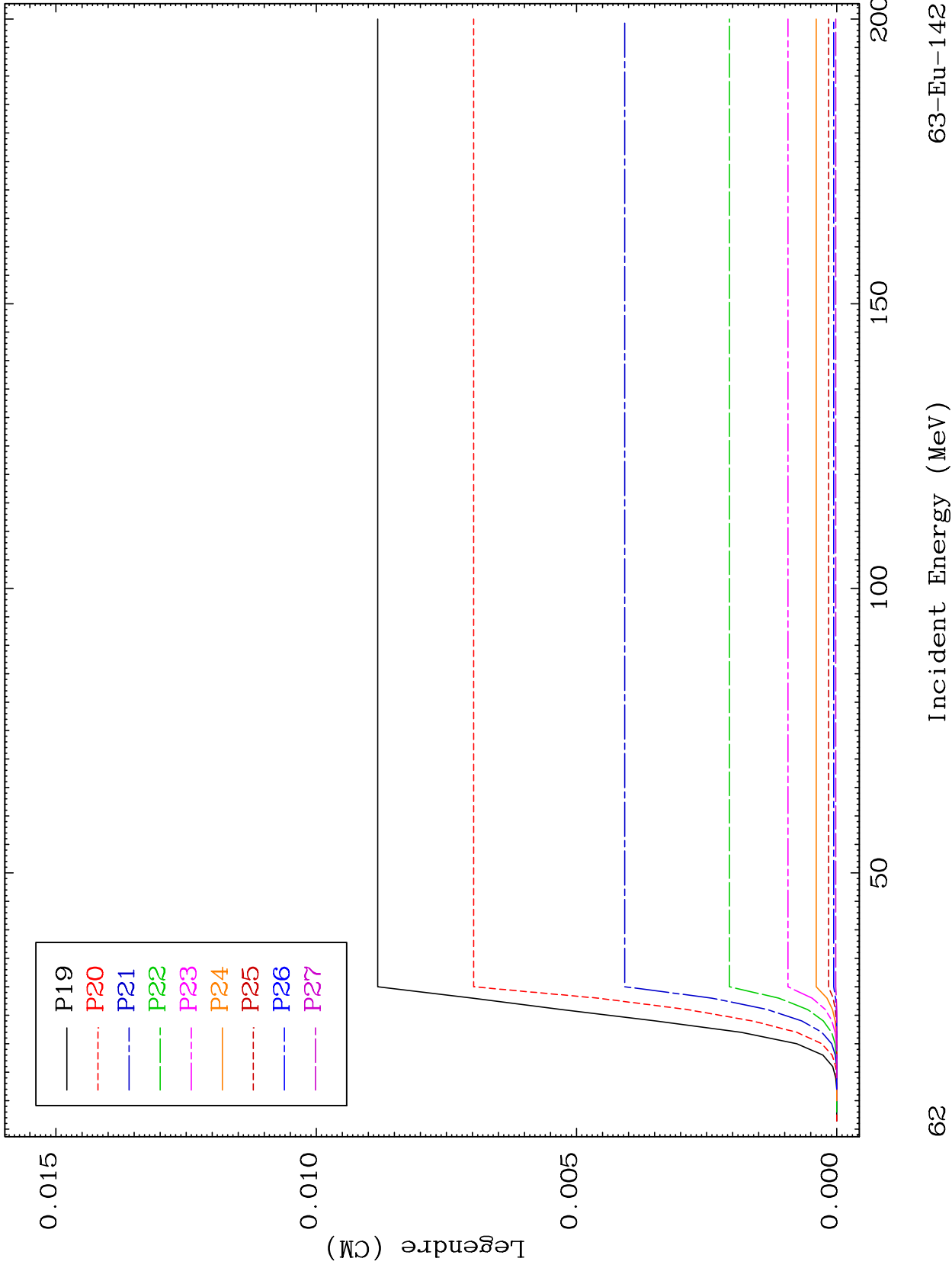
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



62

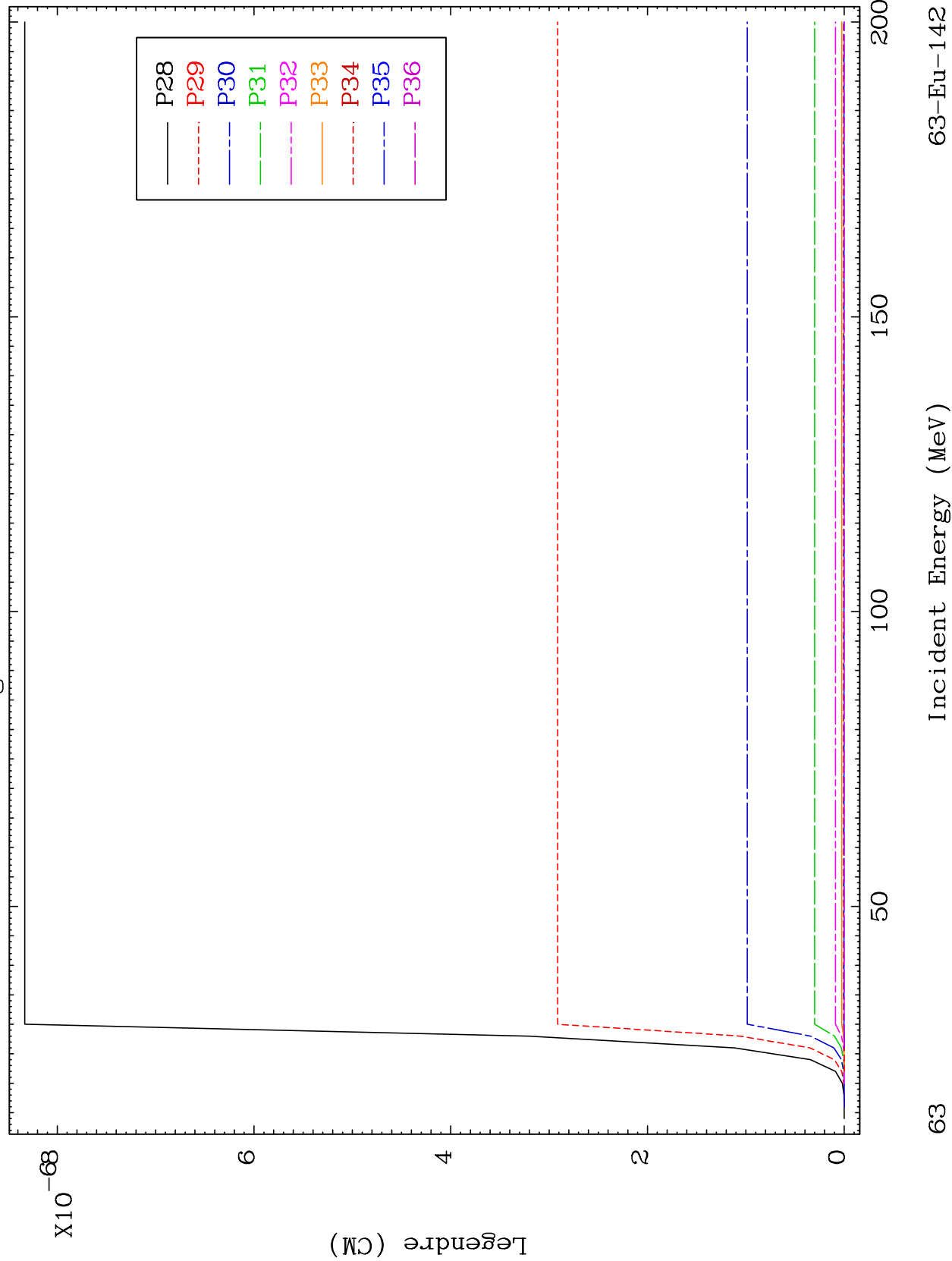
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



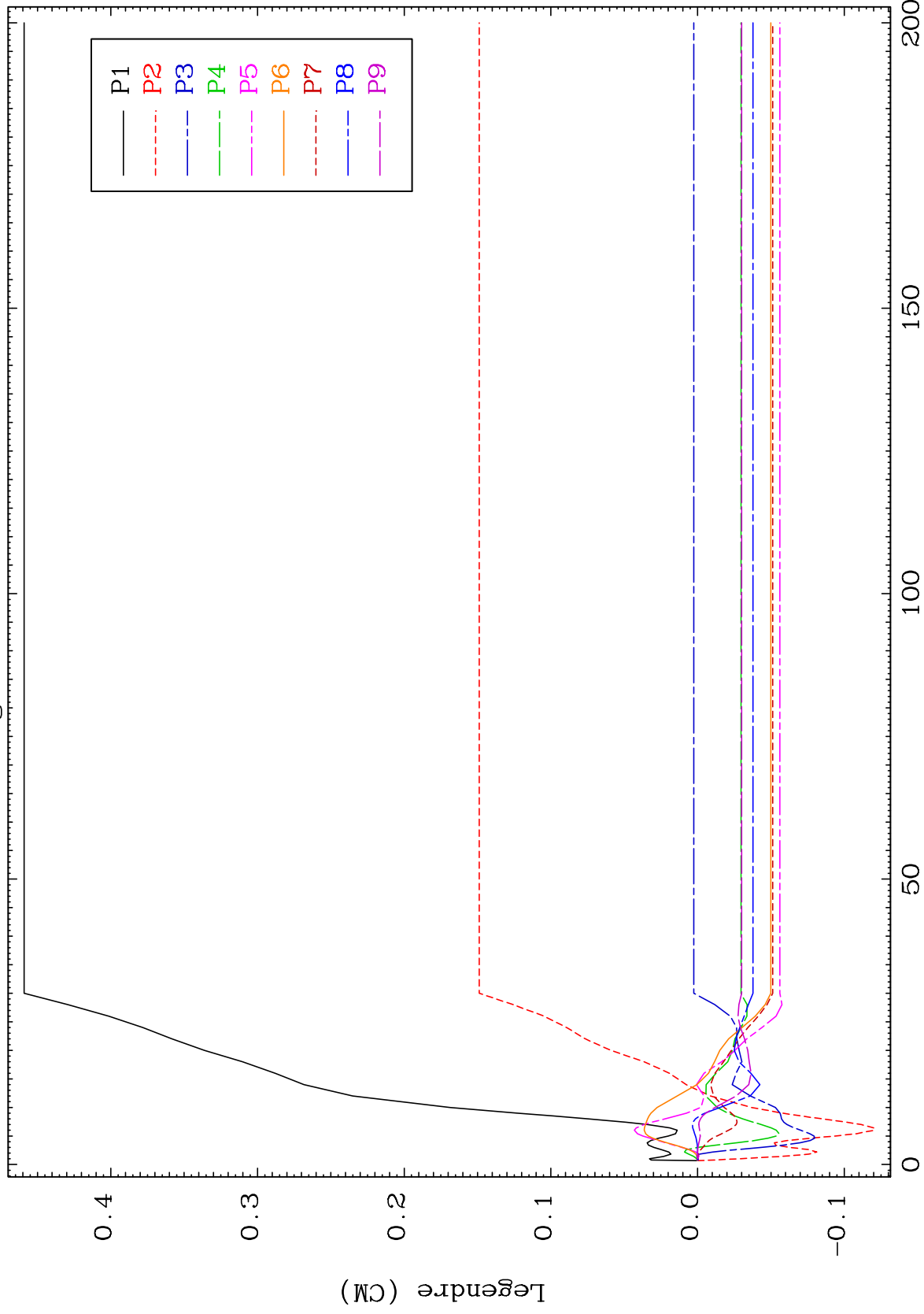
63

63-Eu-142

MAT 6298

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

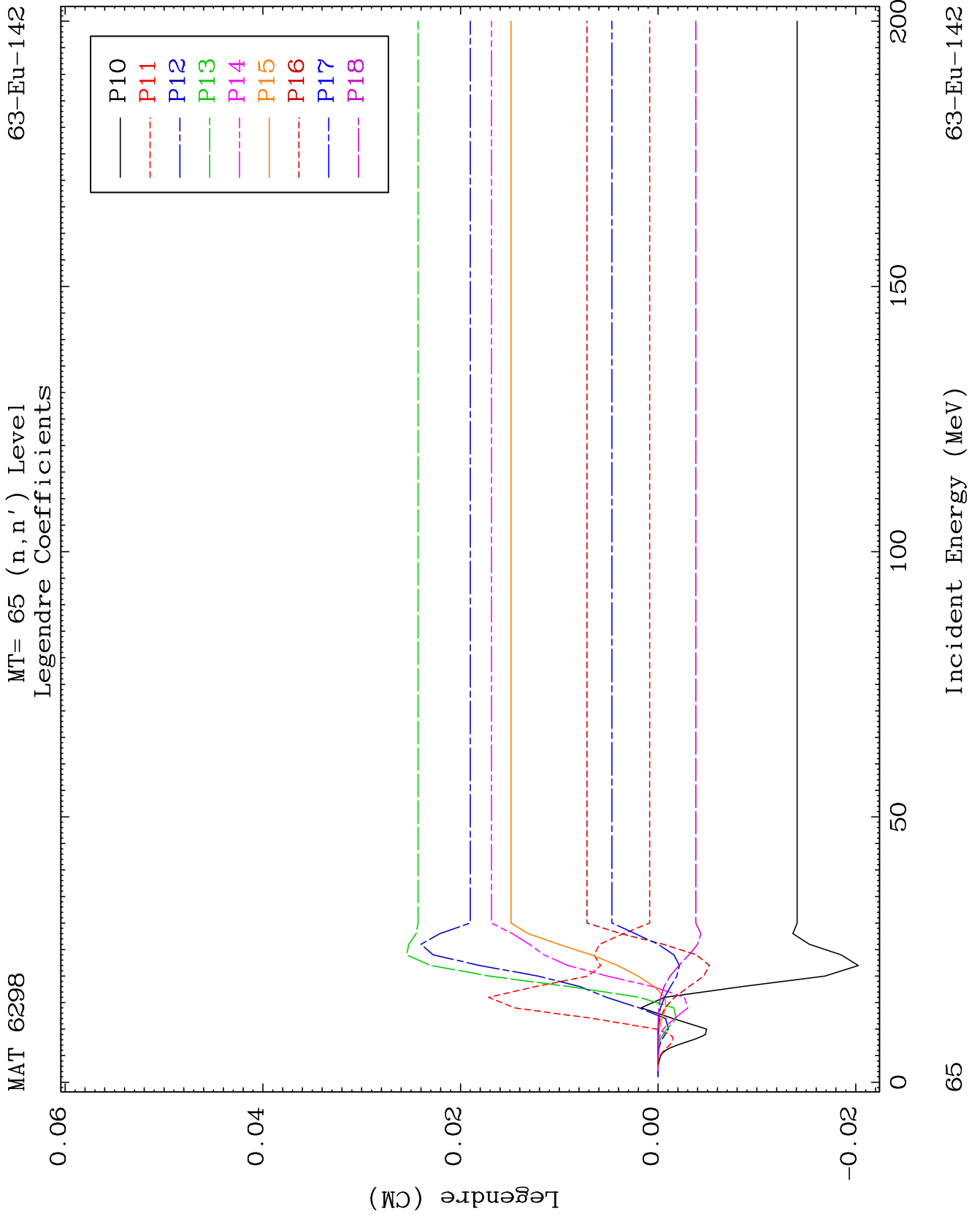
63-Eu-142



64

Incident Energy (MeV)

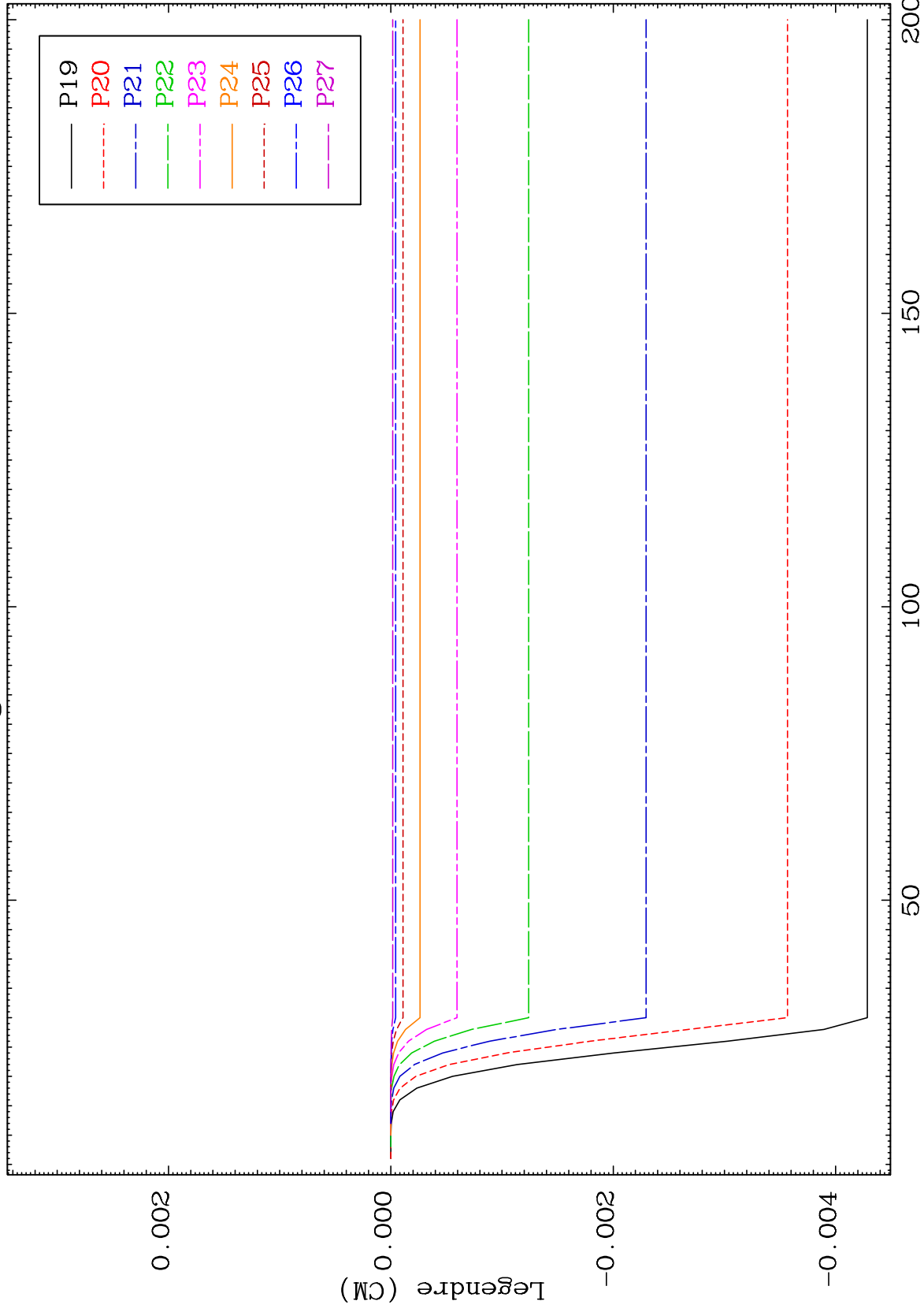
63-Eu-142



MAT 6298

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

63-Eu-142



66

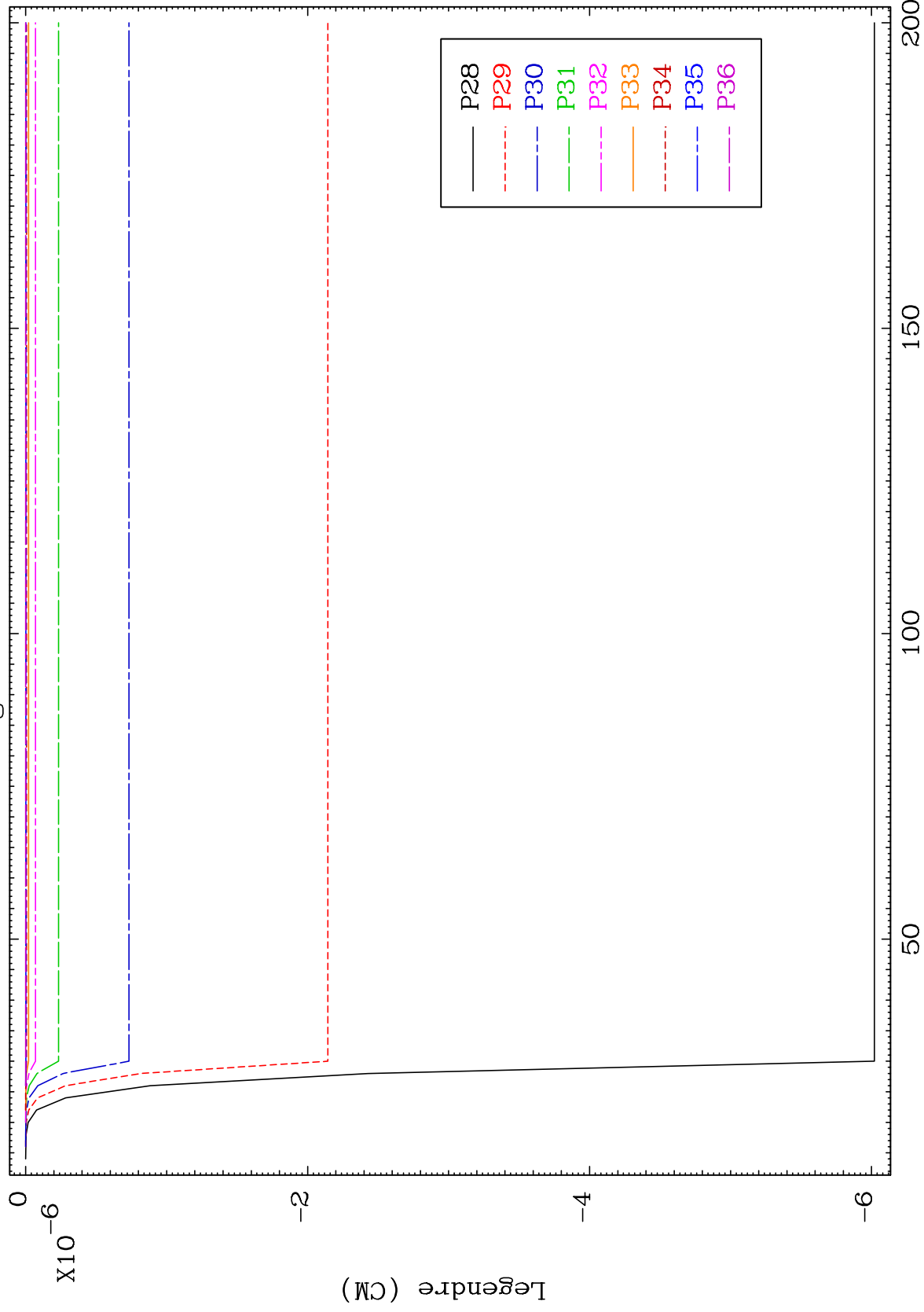
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



67

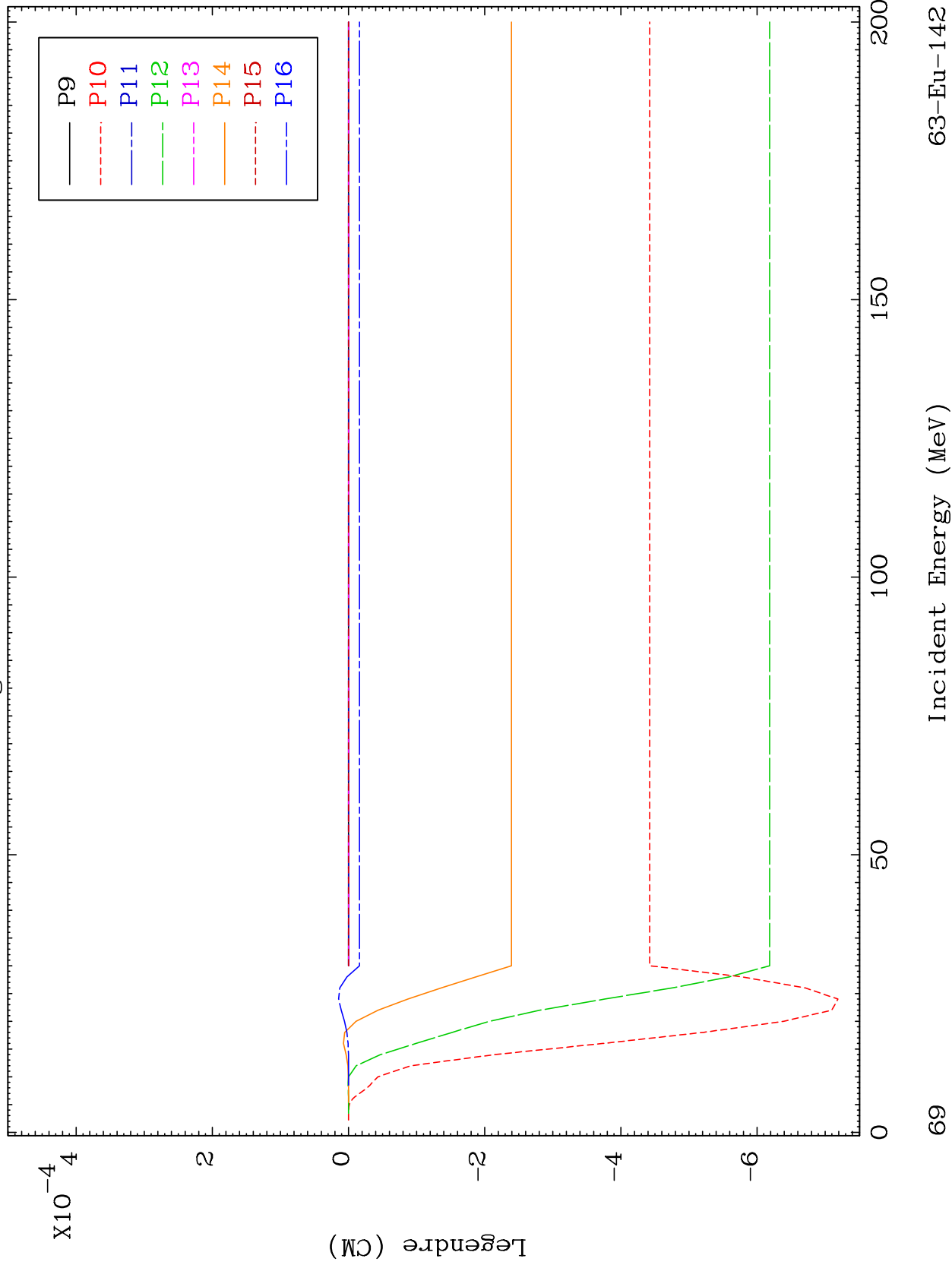
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



69

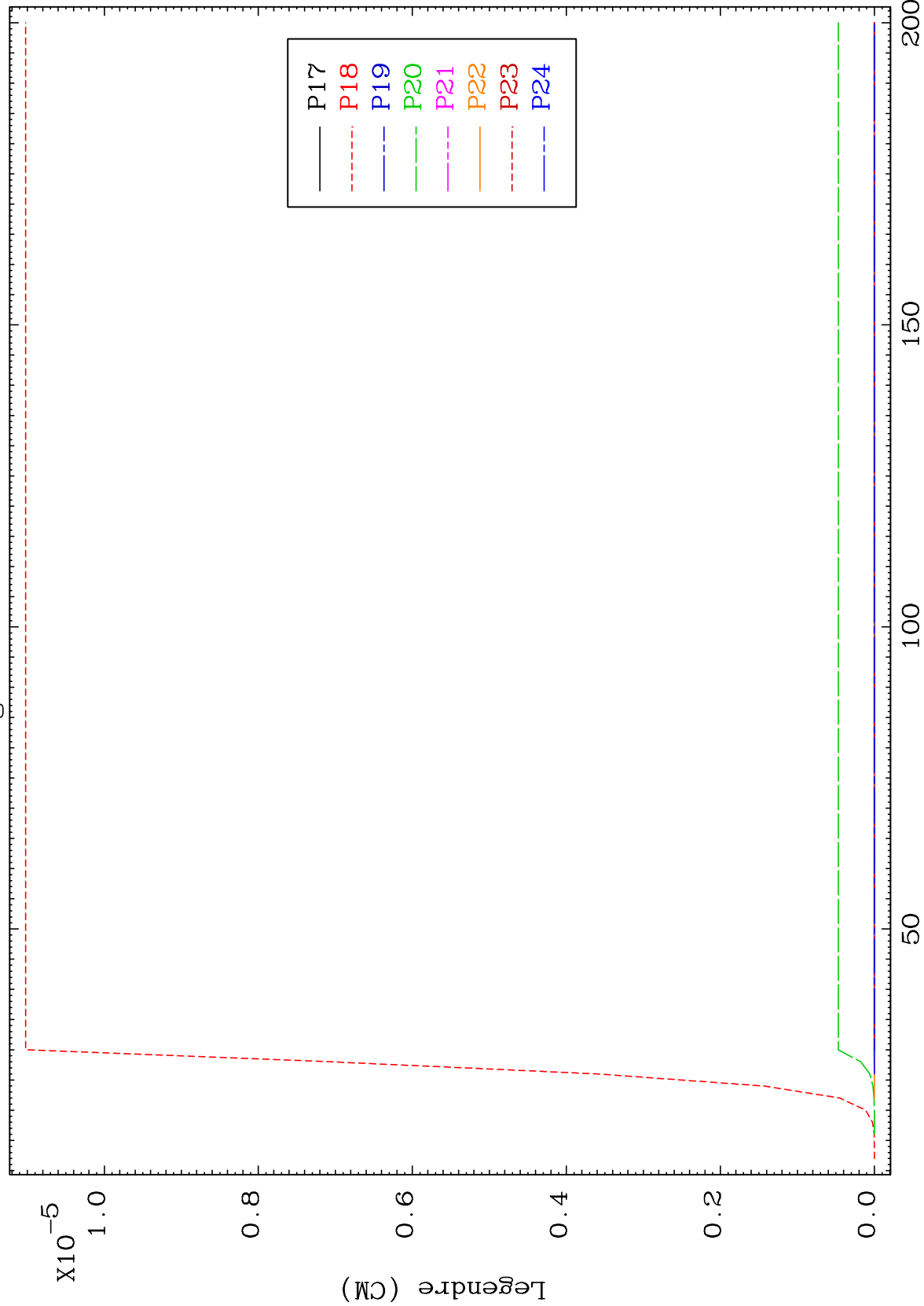
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



63-Eu-142

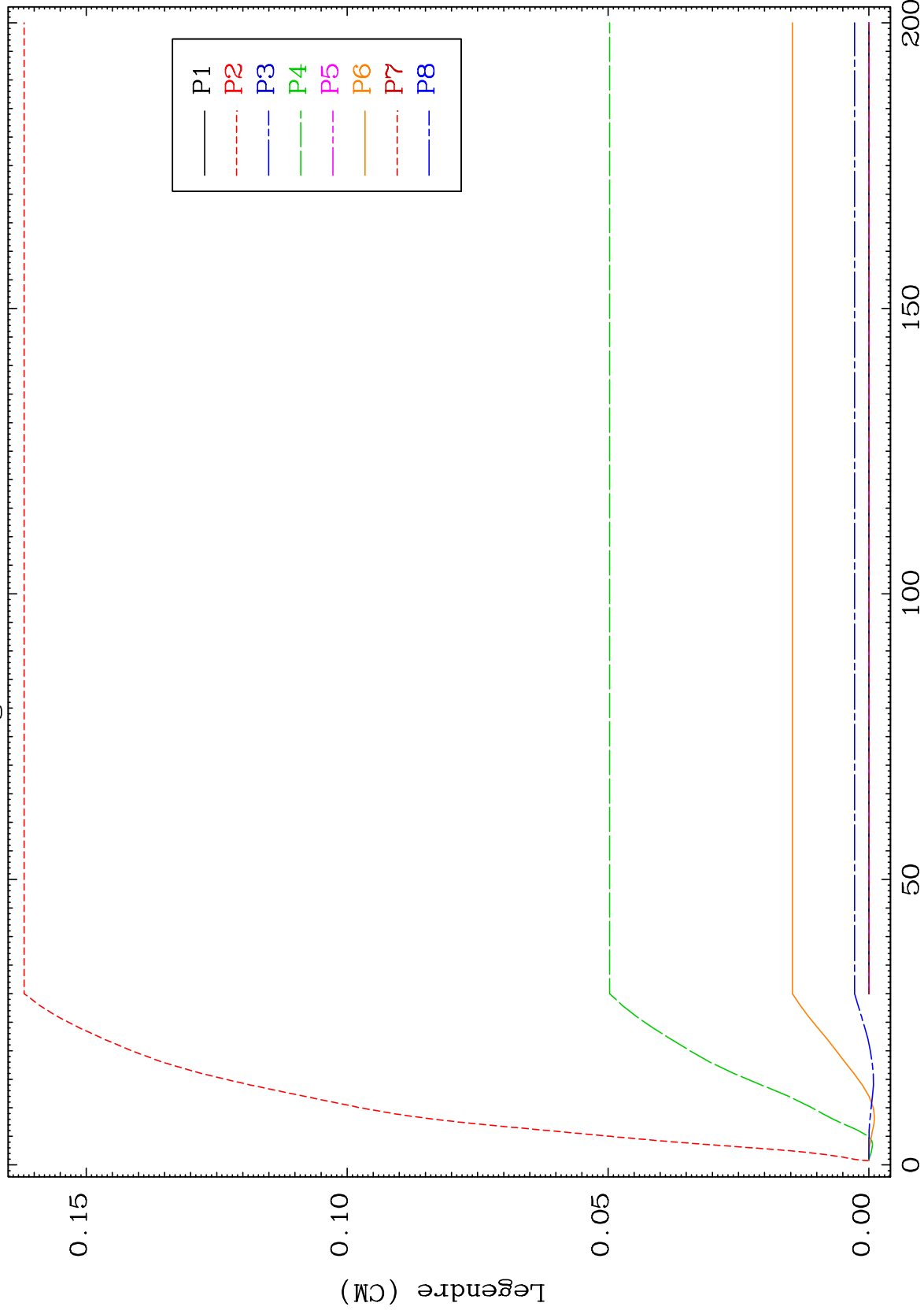
Incident Energy (MeV)

70

MAT 6298

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

63-Eu-142



71

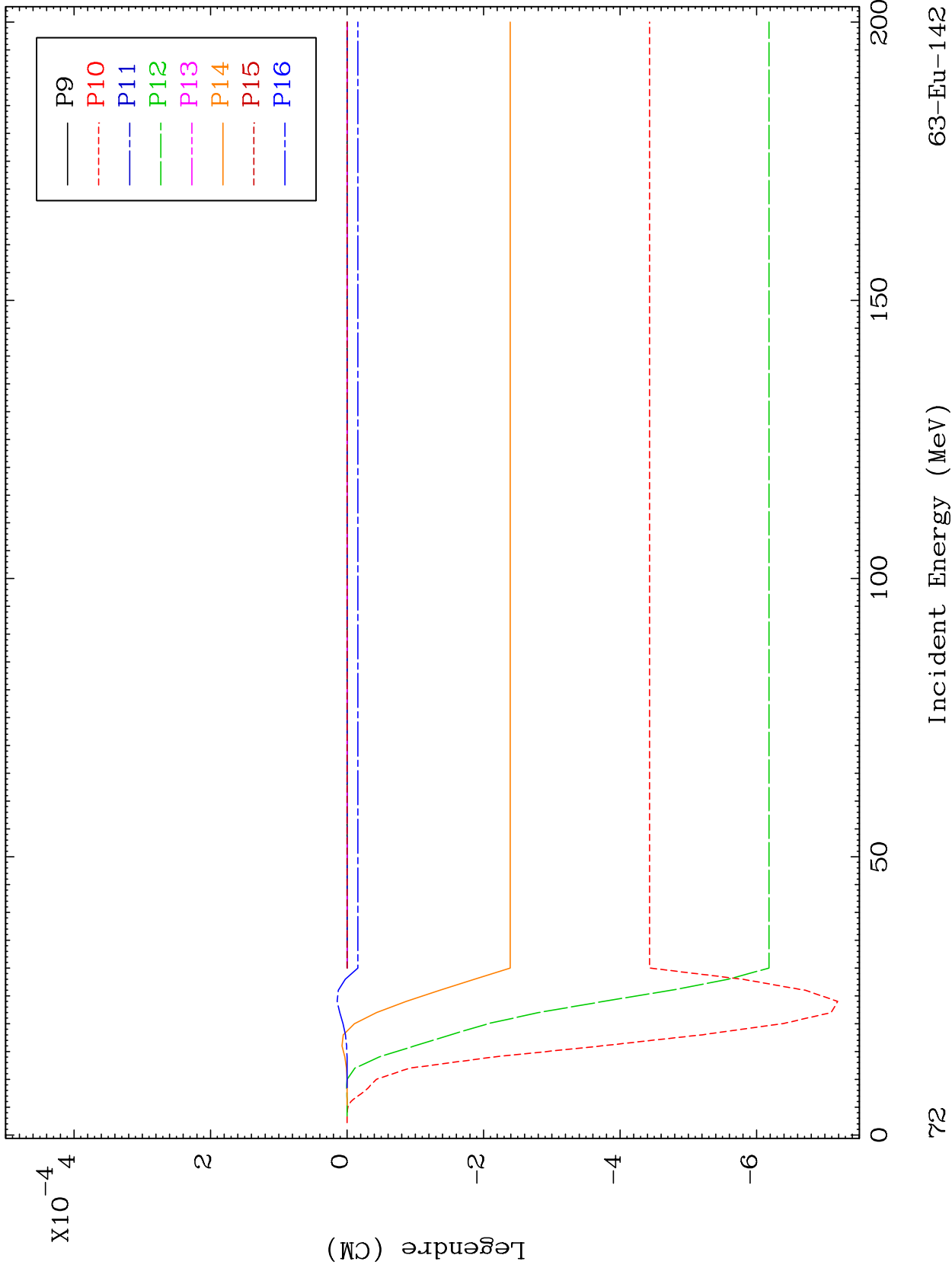
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



63-Eu-142

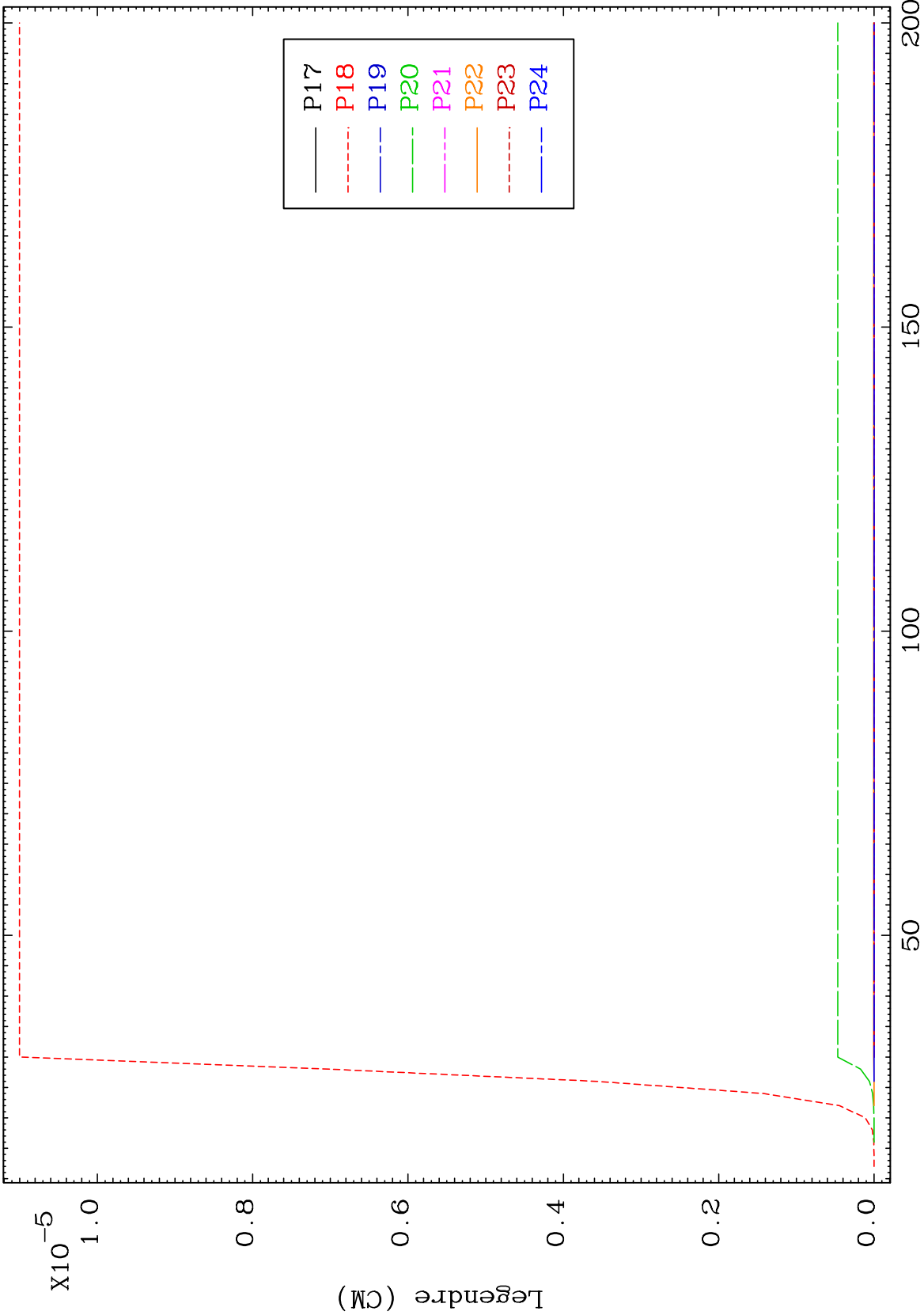
Incident Energy (MeV)

72

MAT 6298

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

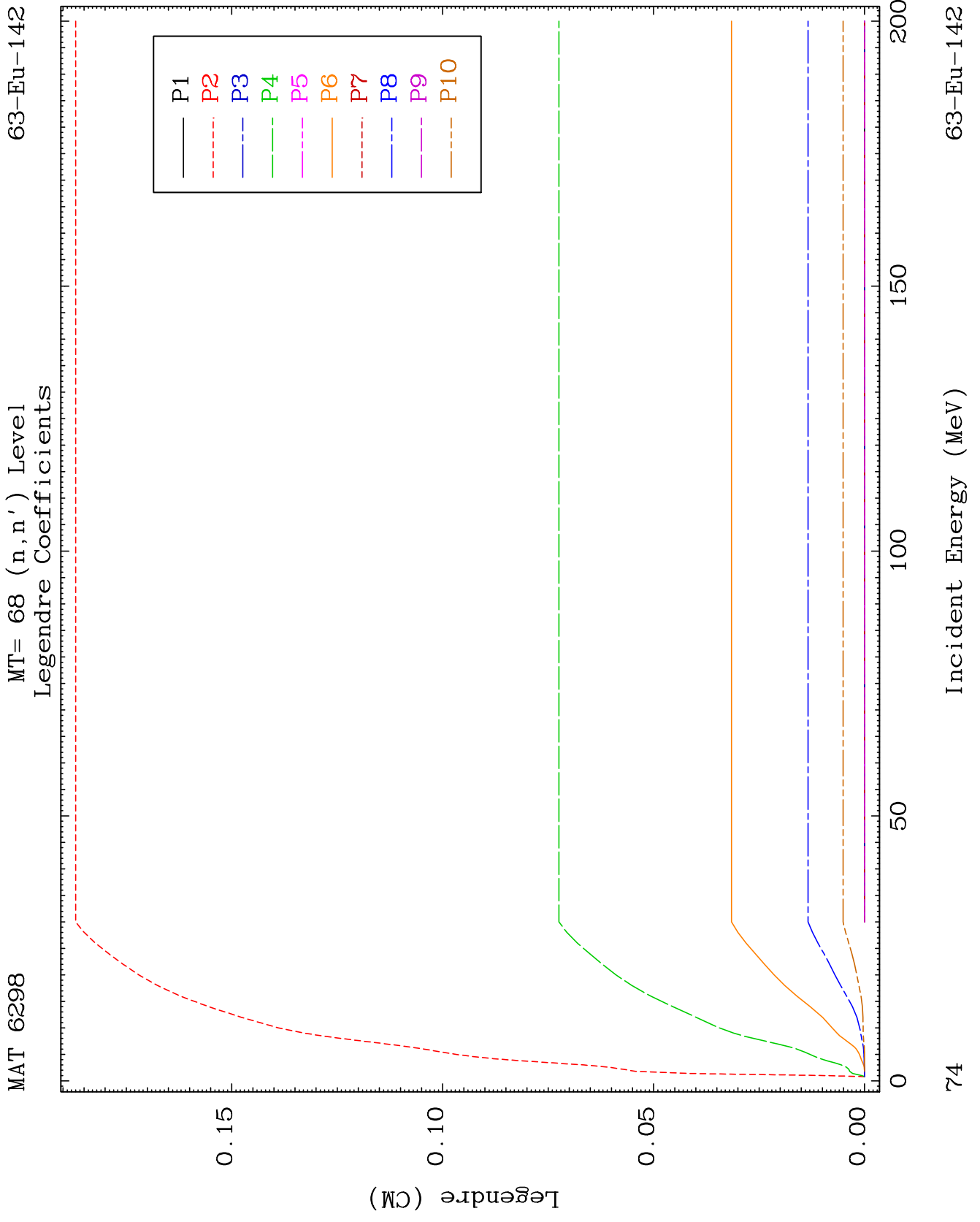
63-Eu-142



63-Eu-142

Incident Energy (MeV)

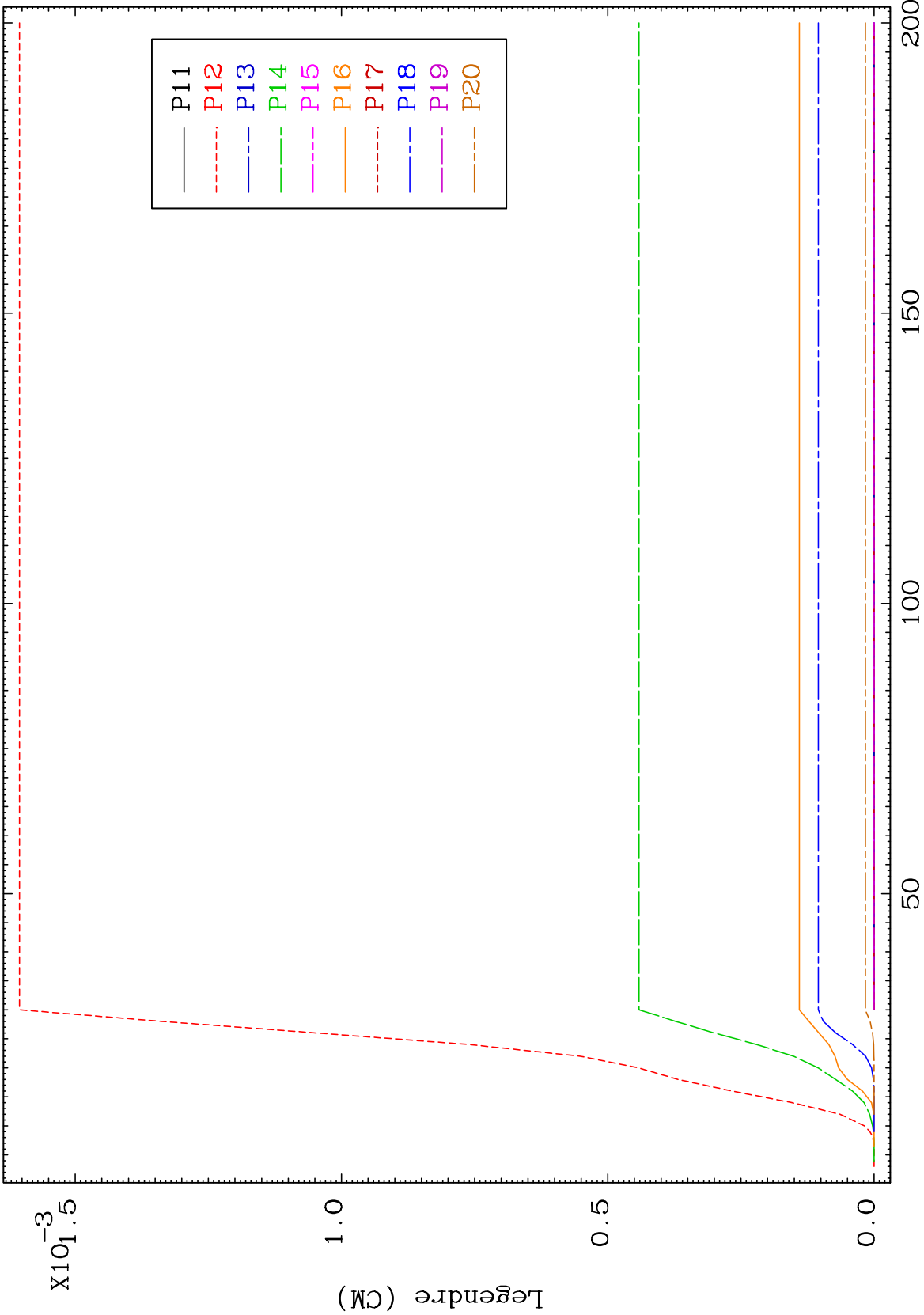
73



MAT 6298

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

63-Eu-142



75

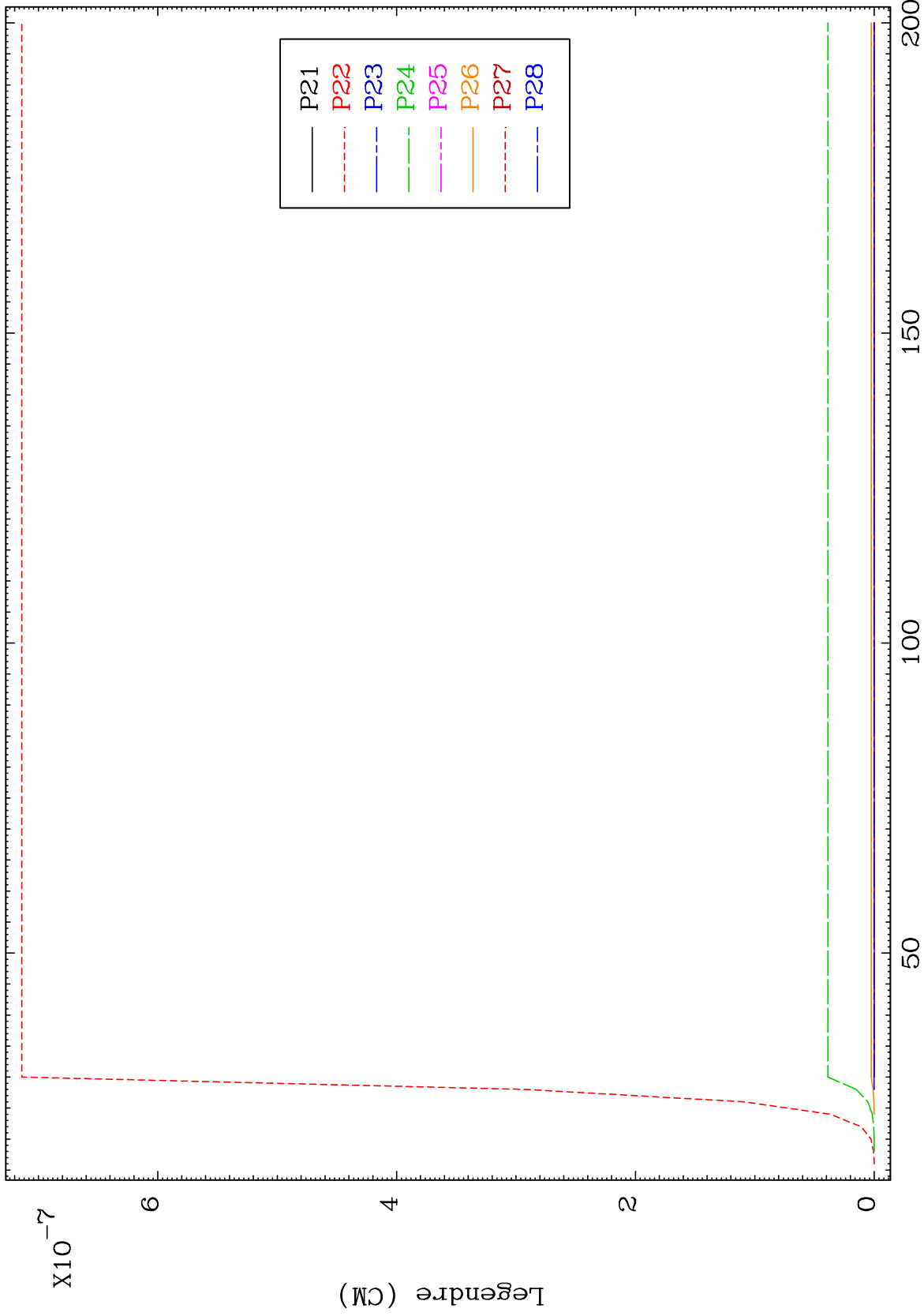
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



76

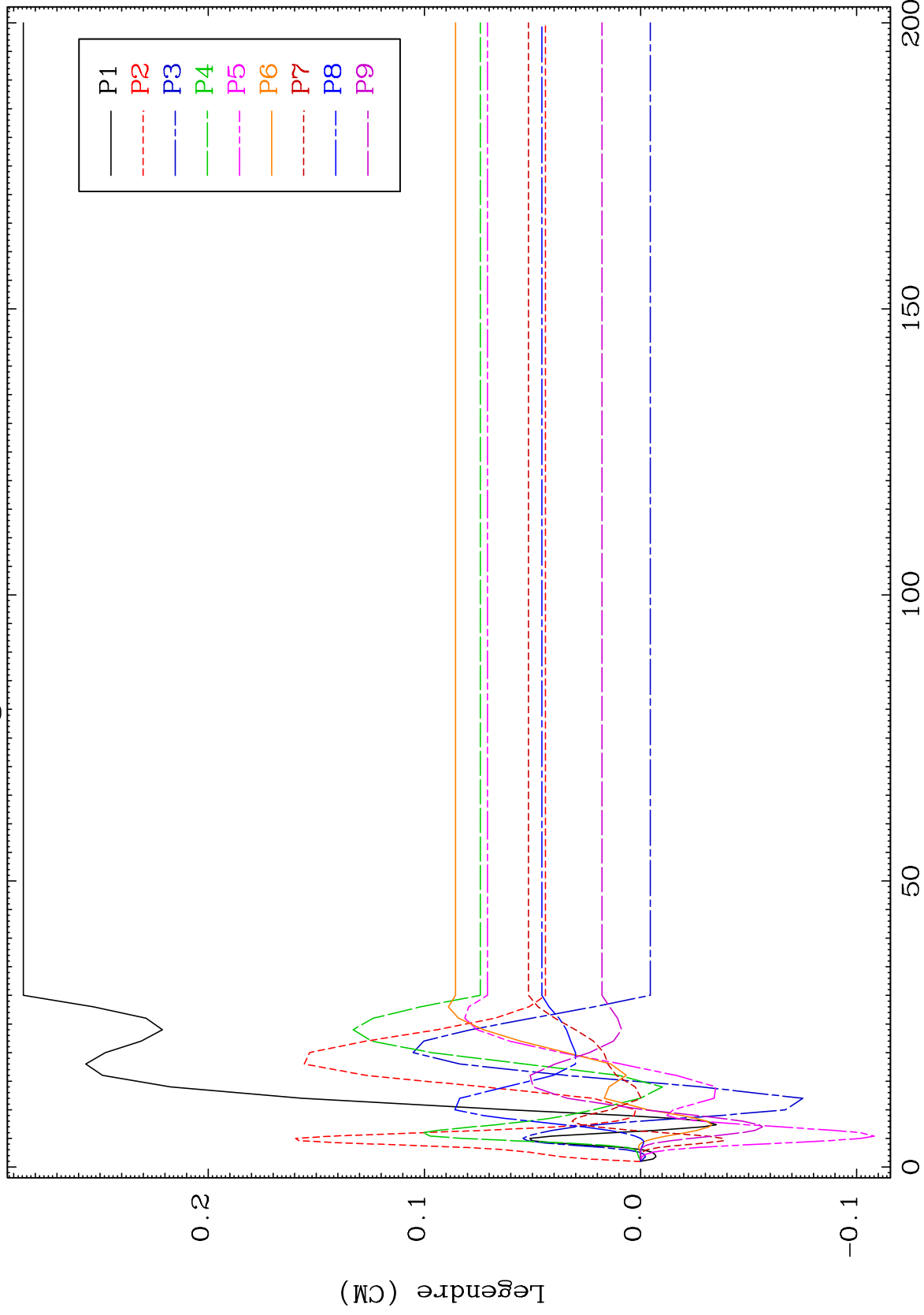
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



77

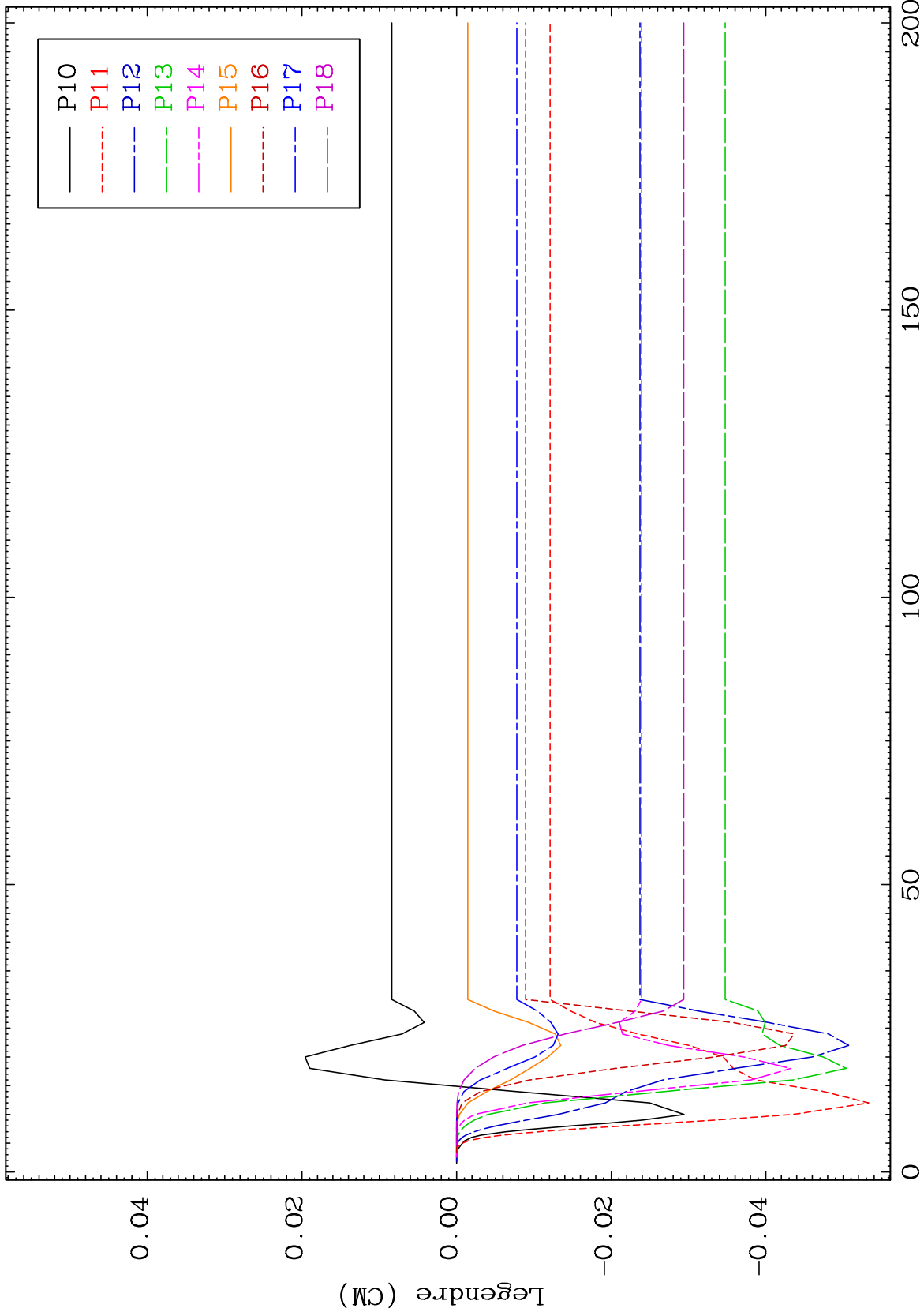
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

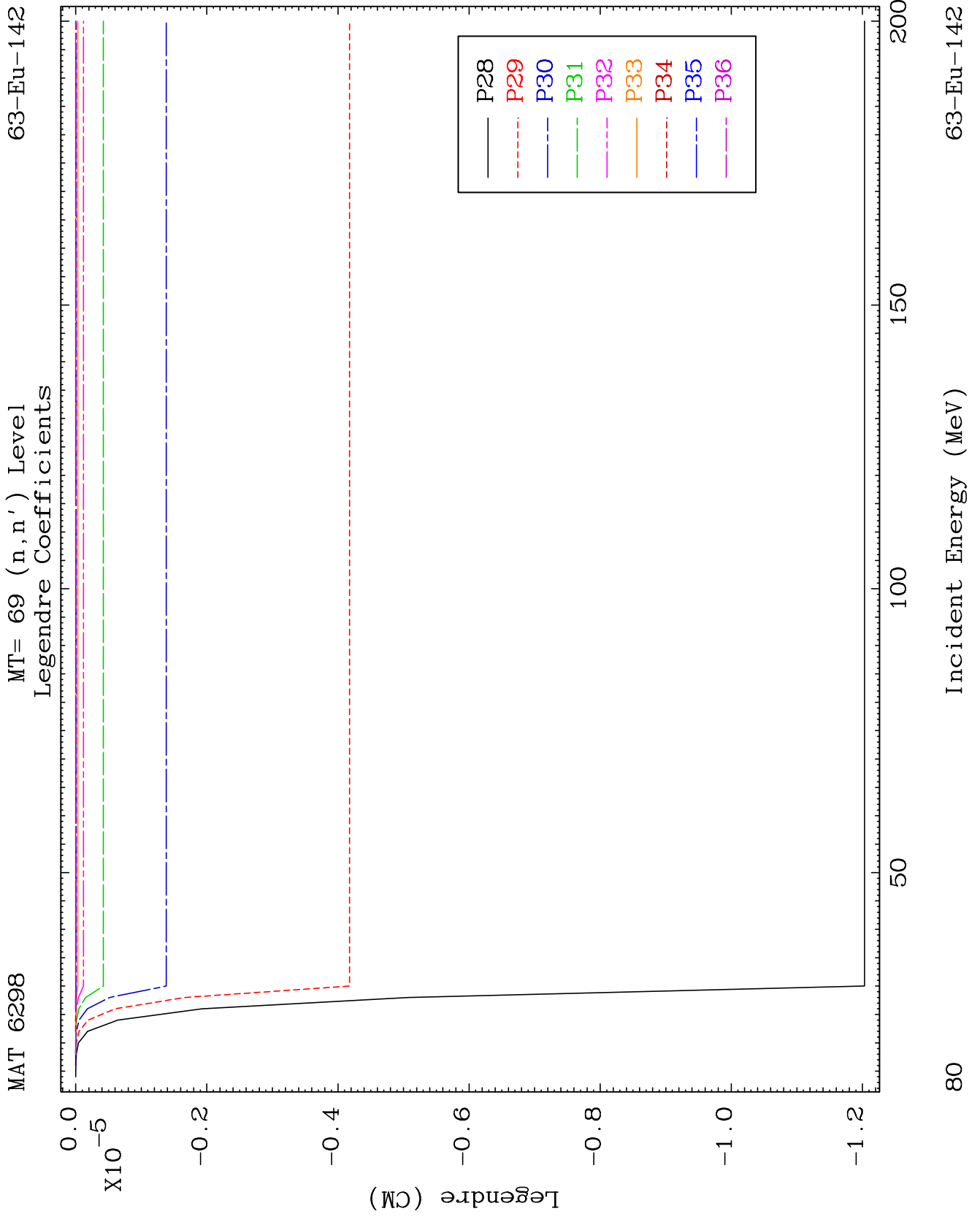
63-Eu-142



78

Incident Energy (MeV)

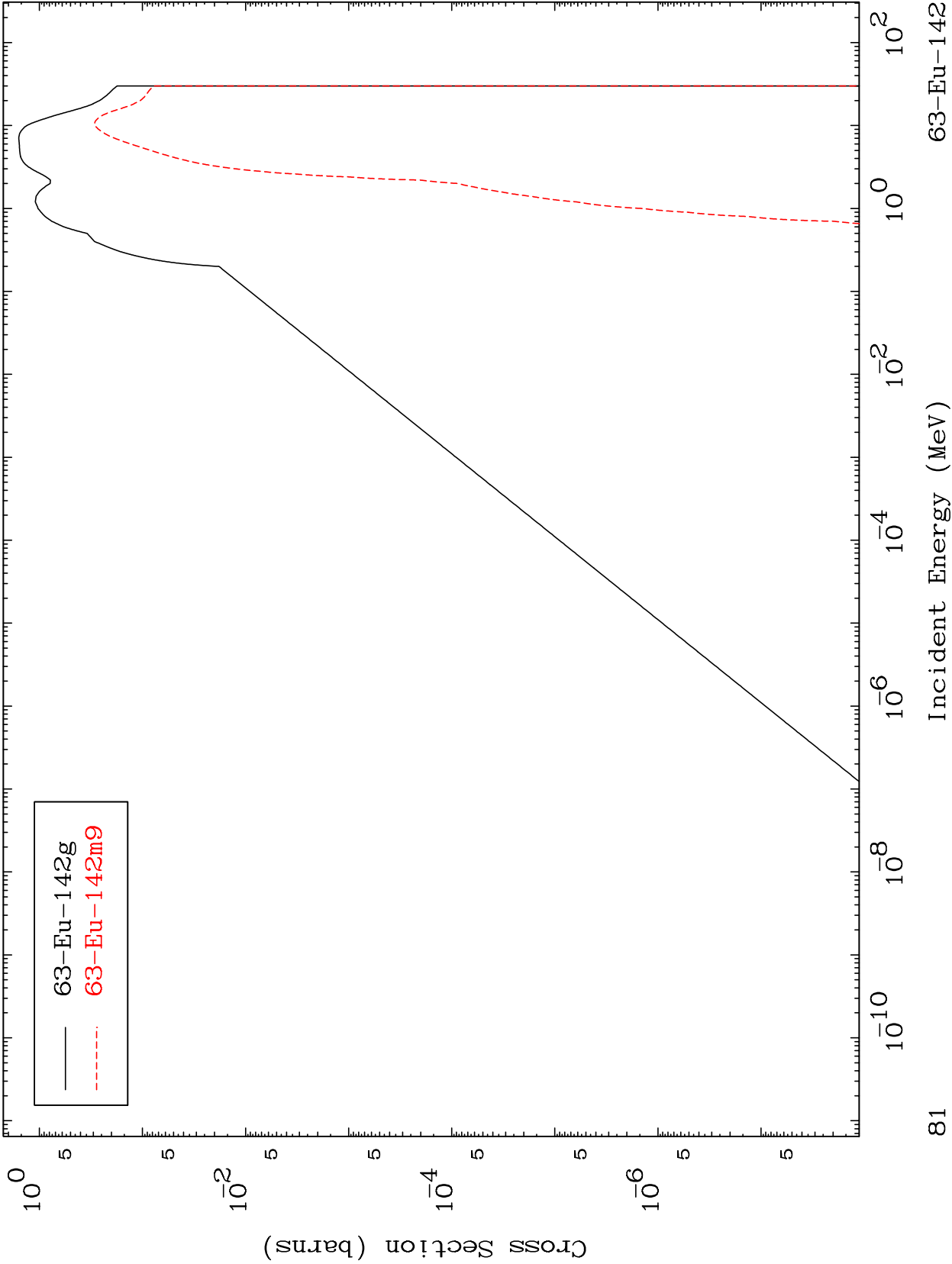
63-Eu-142



MAT 6298

Inelastic
Radionuclide Production Cross Section

63-Eu-142

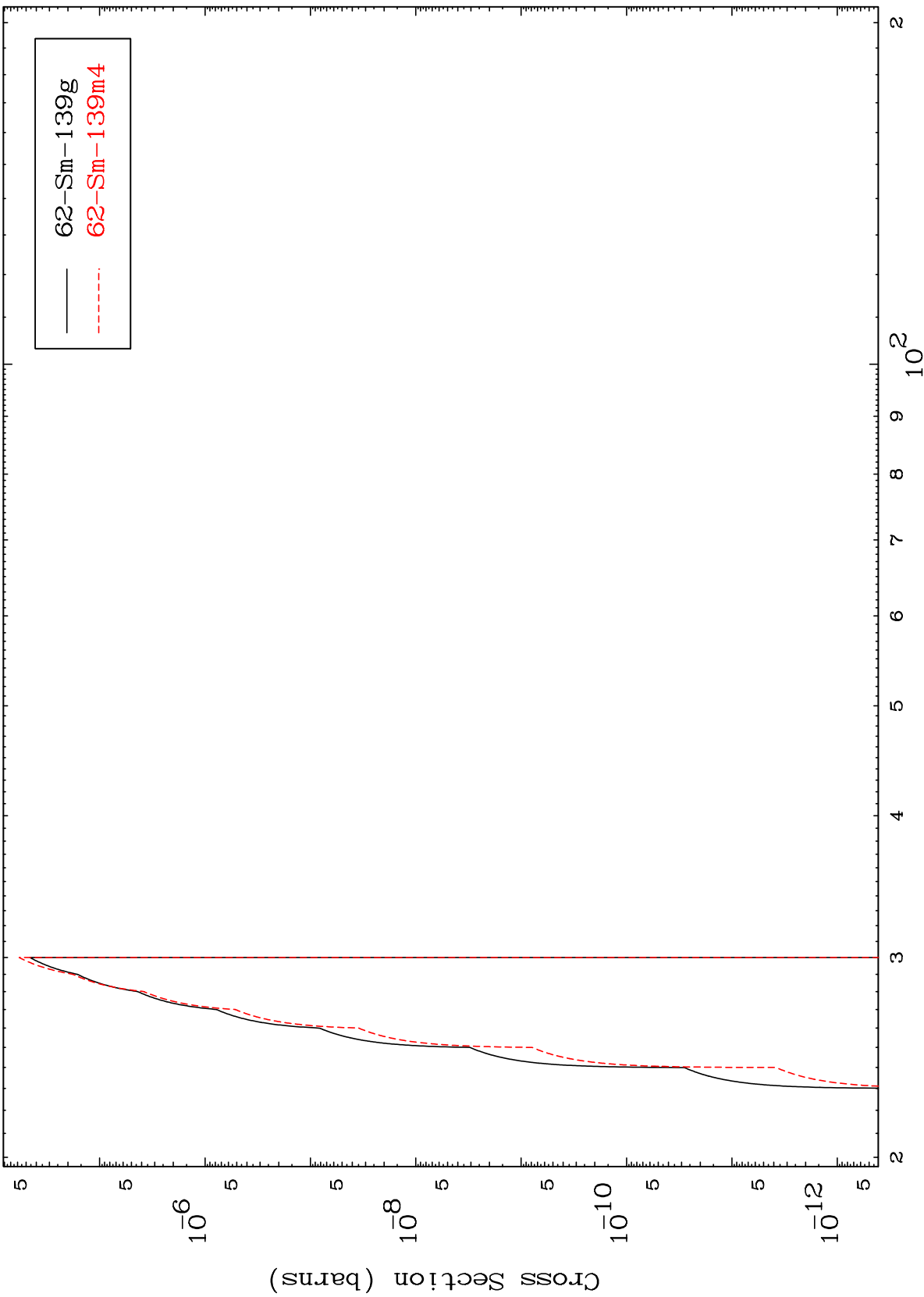


MAT 6298

(n,2n) d

63-Eu-142

Radionuclide Production Cross Section



82

Incident Energy (MeV)

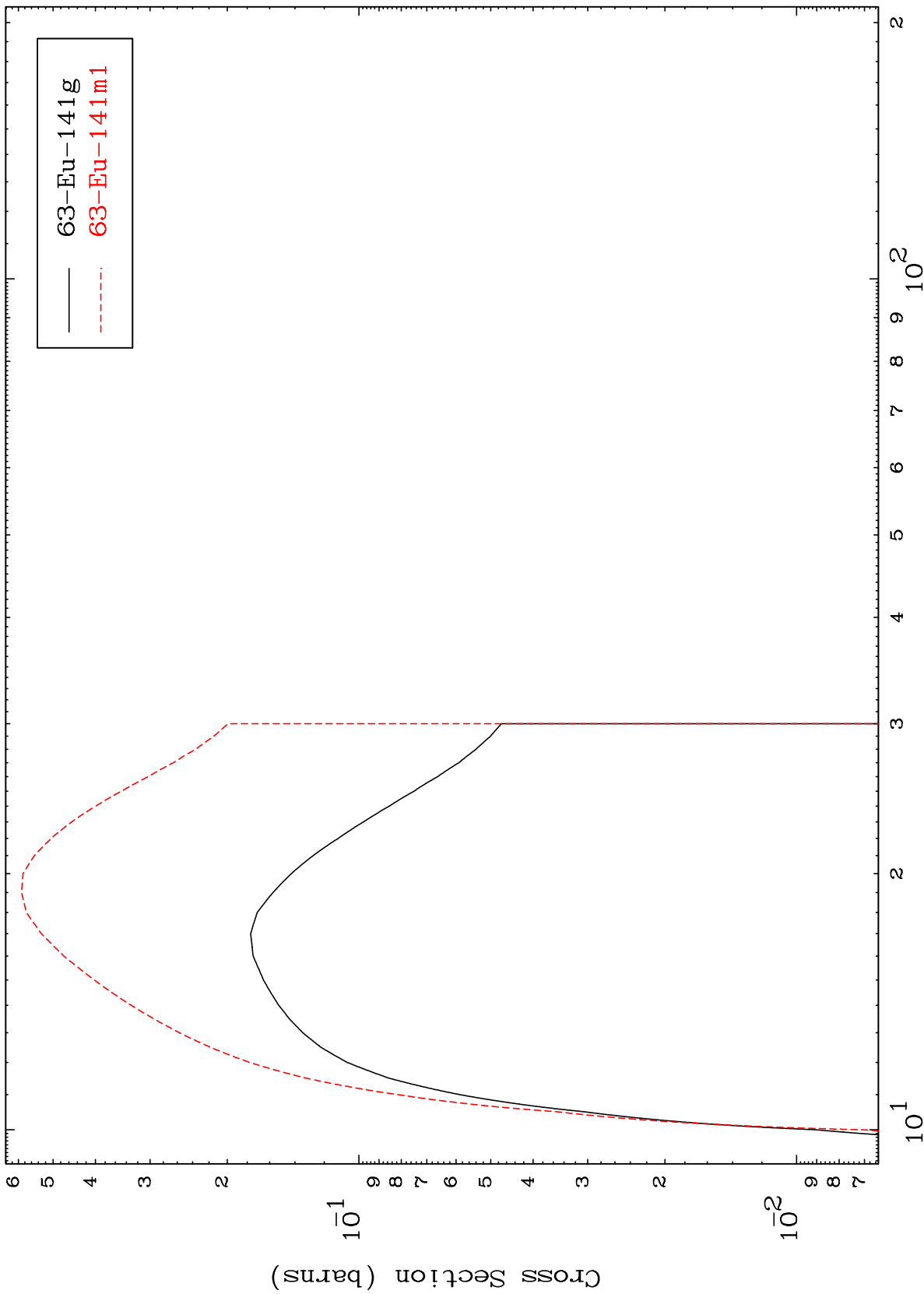
63-Eu-142

MAT 6298

63-Eu-142

(n,2n)

Radionuclide Production Cross Section



83

Incident Energy (MeV)

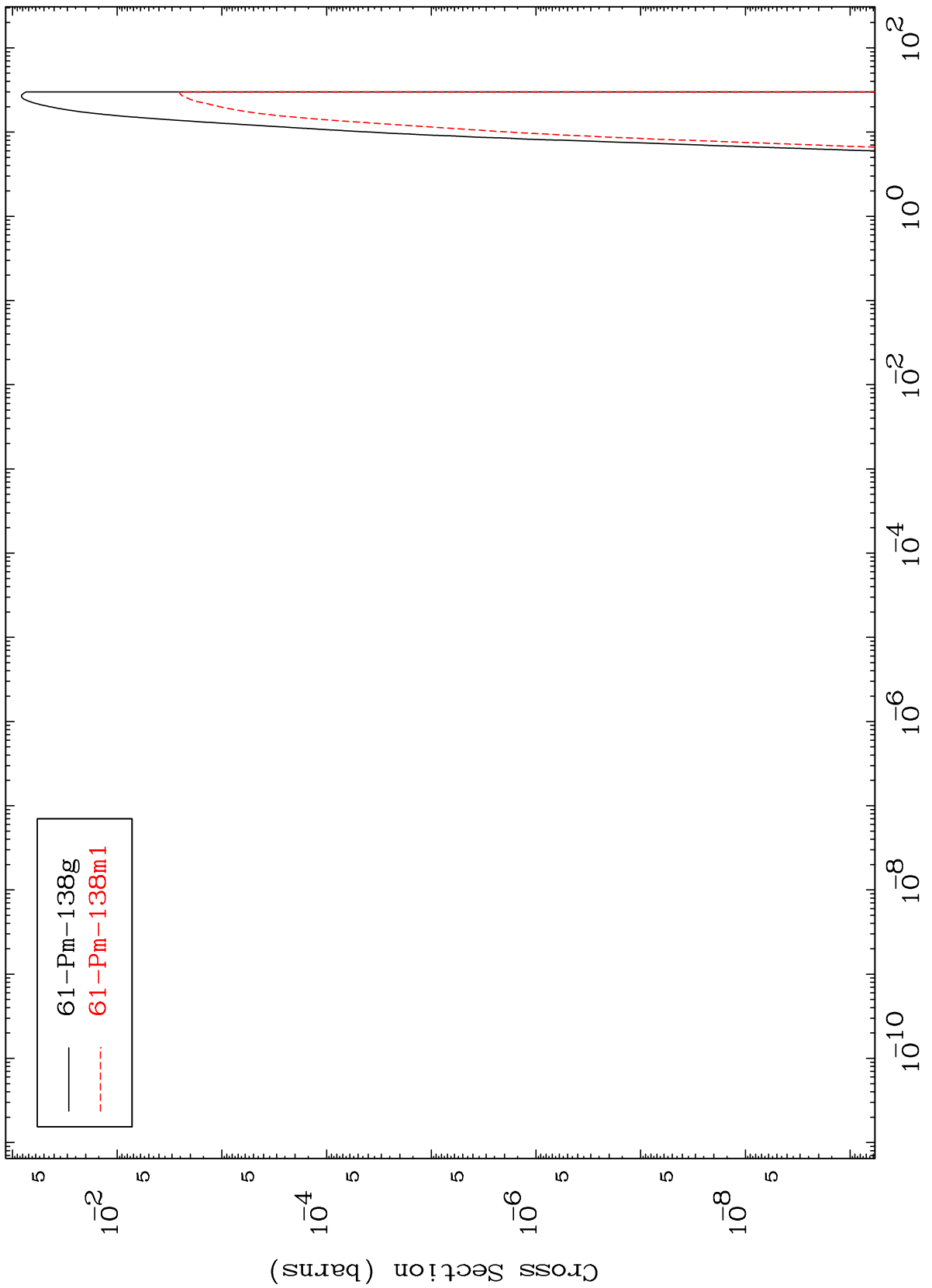
63-Eu-142

MAT 6298

$(n, n') \alpha$

63-Eu-142

Radionuclide Production Cross Section



61-Pm-138g
61-Pm-138m1

84

Incident Energy (MeV)

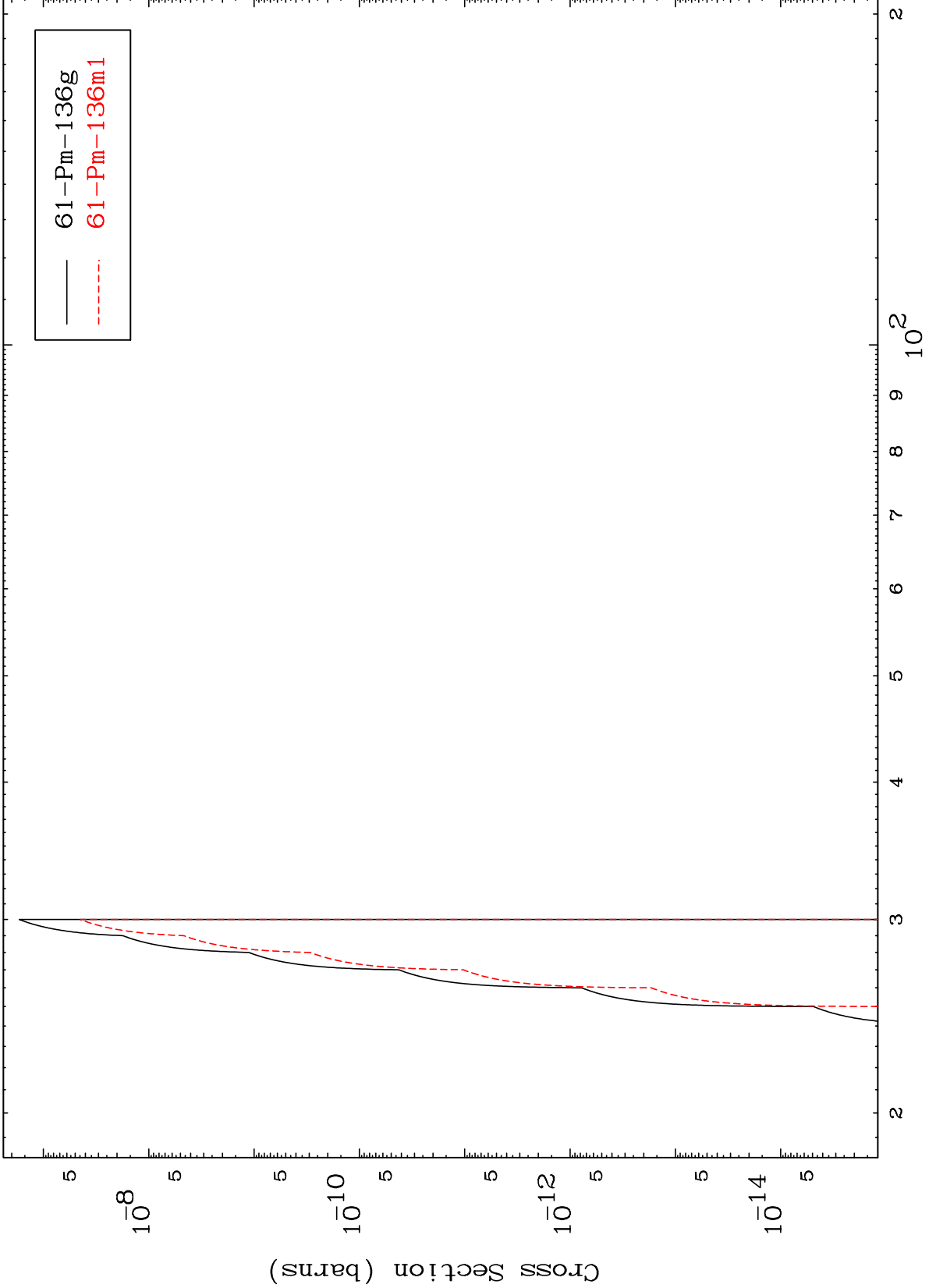
63-Eu-142

MAT 6298

$(n,3n) \alpha$

63-Eu-142

Radionuclide Production Cross Section



85

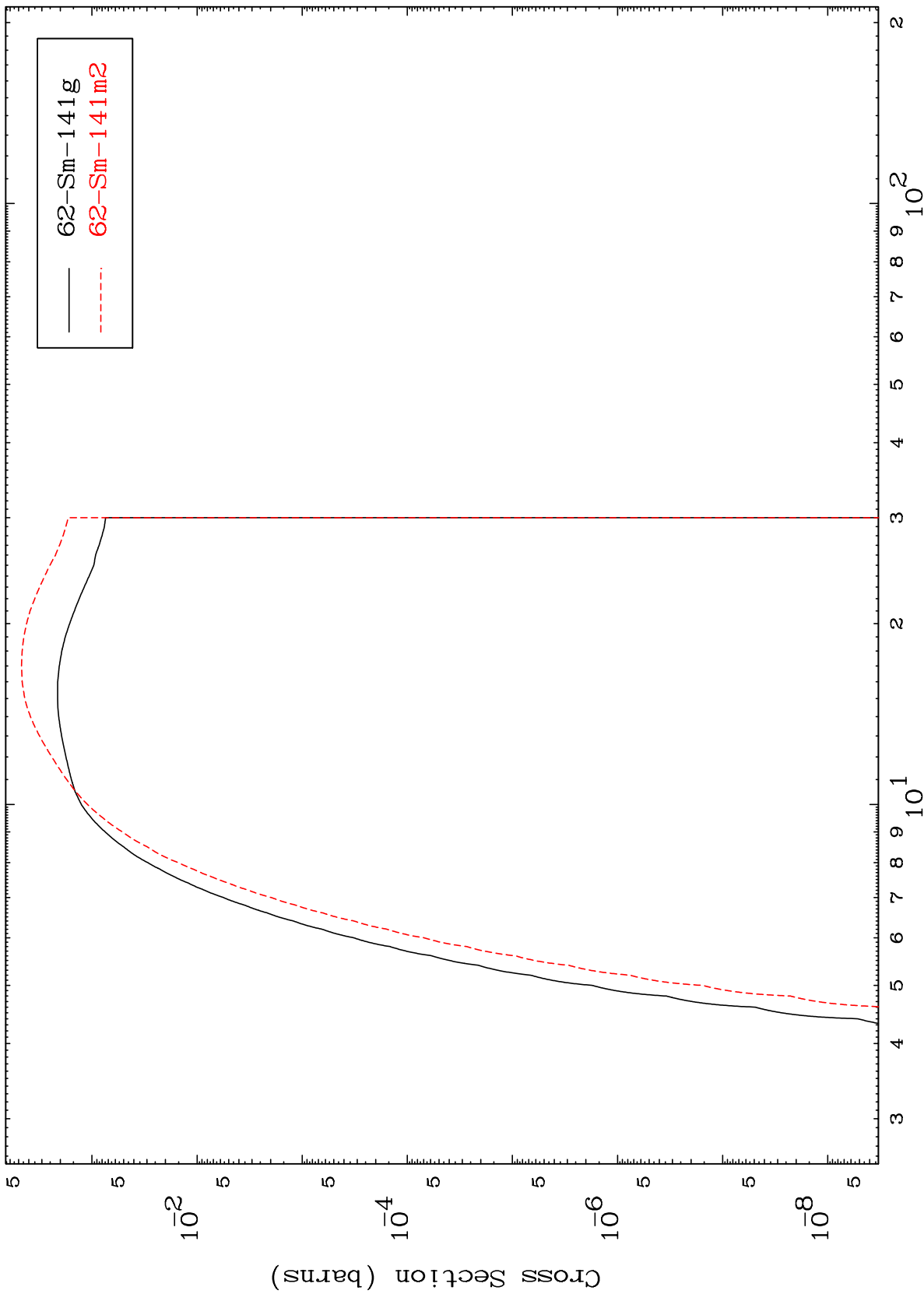
Incident Energy (MeV)

63-Eu-142

MAT 6298

63-Eu-142

(n, n') p
Radionuclide Production Cross Section



86

Incident Energy (MeV)

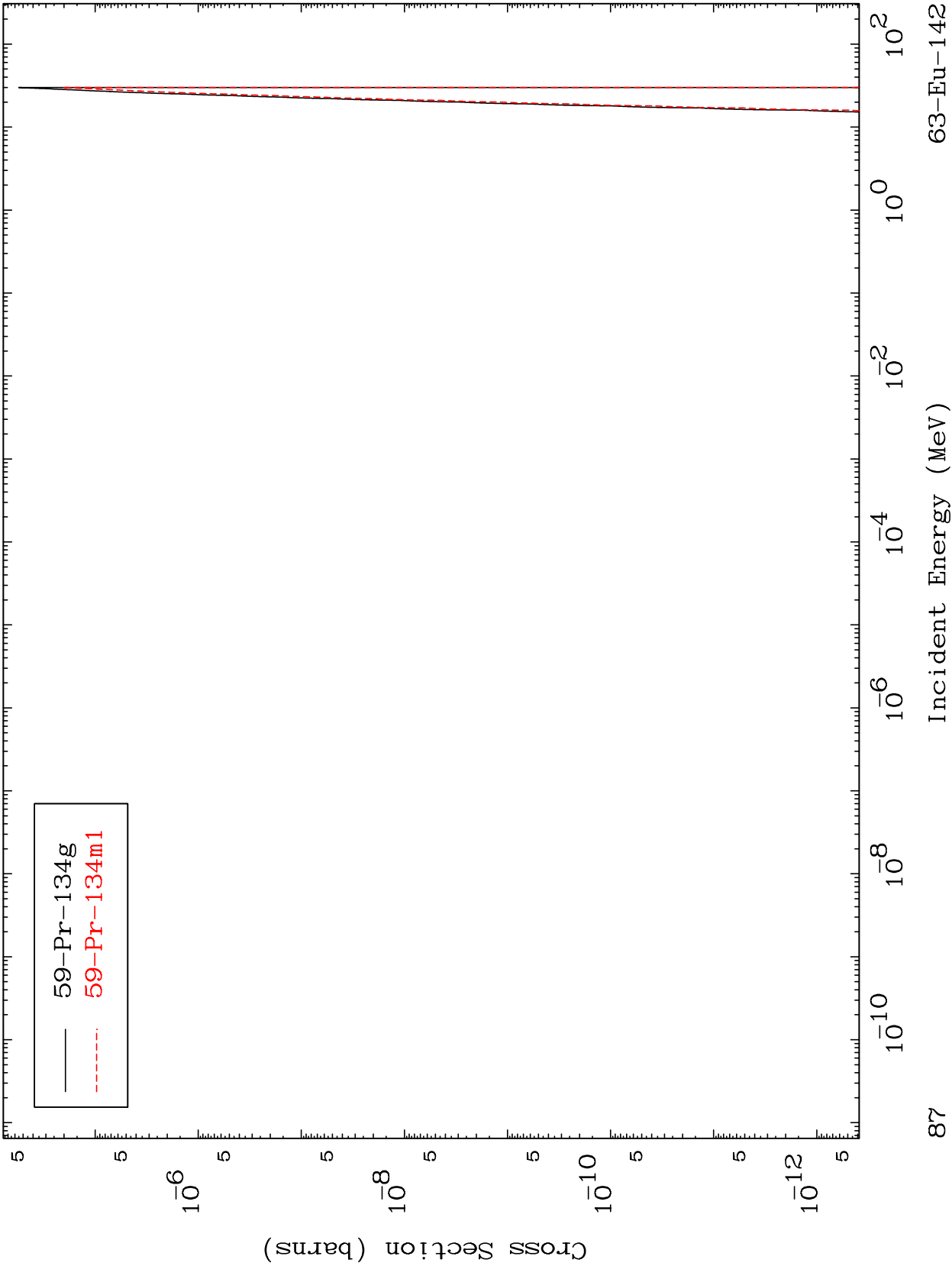
63-Eu-142

MAT 6298

(n,n') 2 α

63-Eu-142

Radionuclide Production Cross Section



87

Incident Energy (MeV)

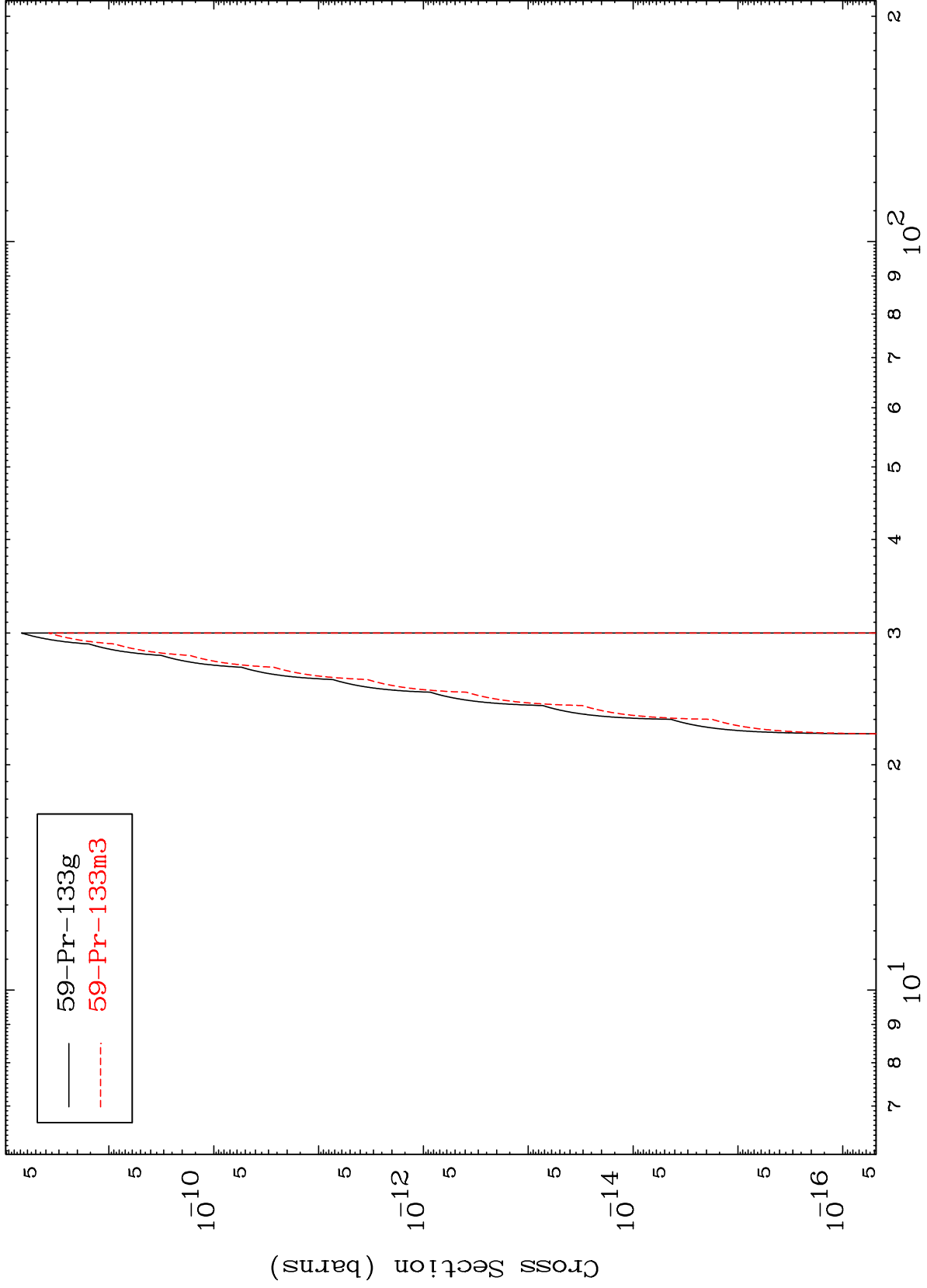
63-Eu-142

MAT 6298

$(n,2n) 2\alpha$

63-Eu-142

Radionuclide Production Cross Section

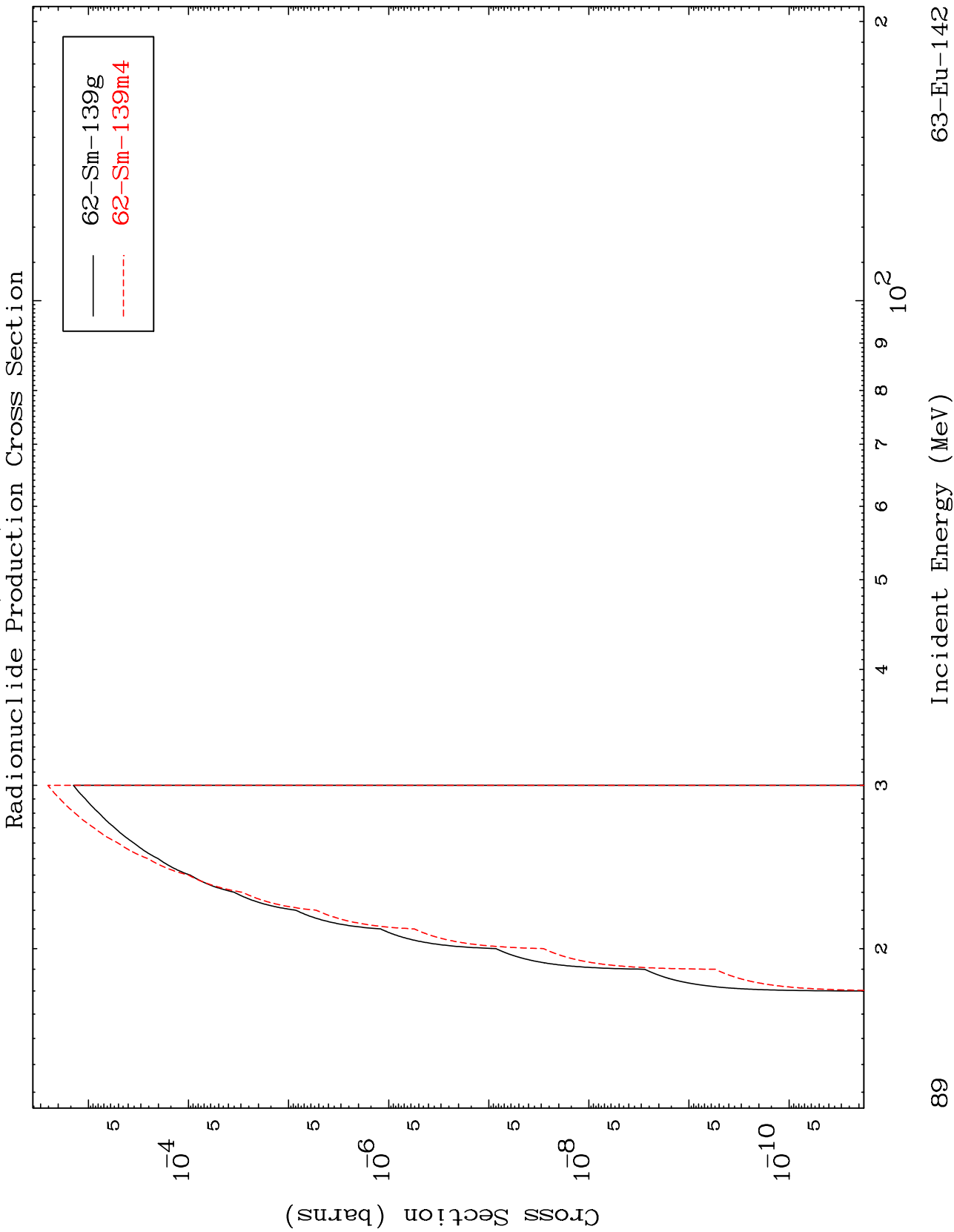


59-Pr-133g
59-Pr-133m3

88

Incident Energy (MeV)

63-Eu-142

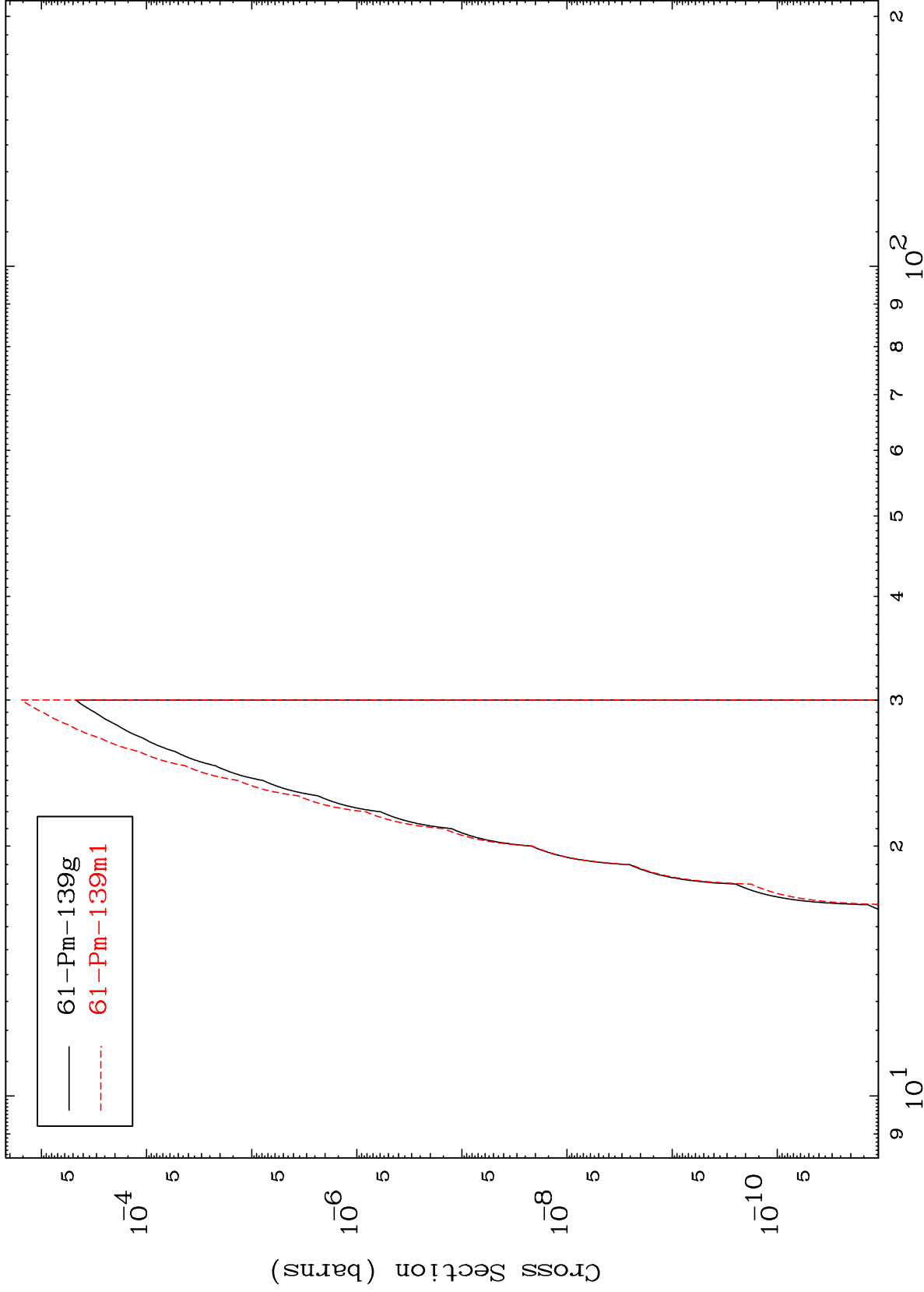


MAT 6298

(n,n') He-3

63-Eu-142

Radionuclide Production Cross Section

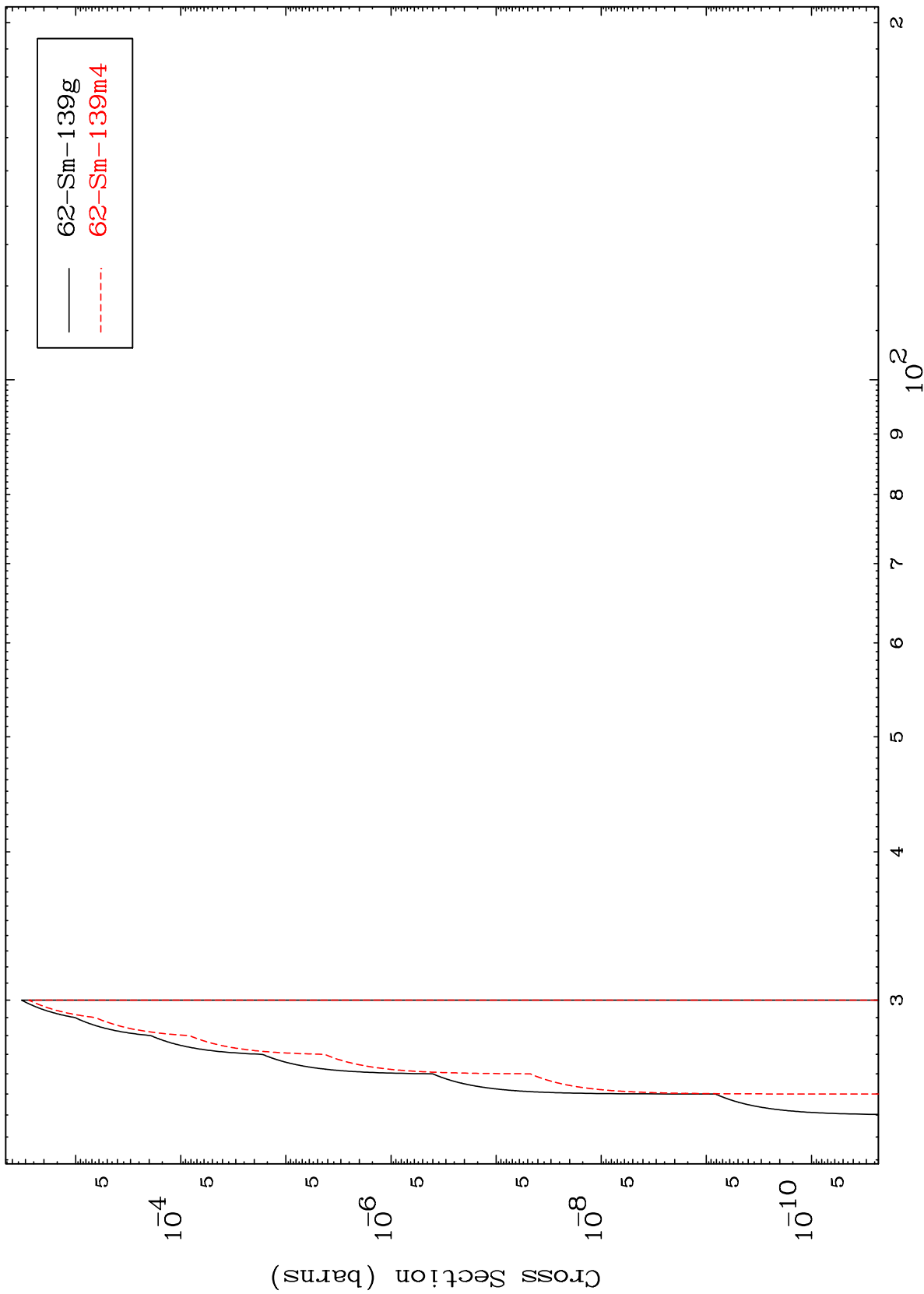


90

Incident Energy (MeV)

63-Eu-142

Radionuclide Production Cross Section



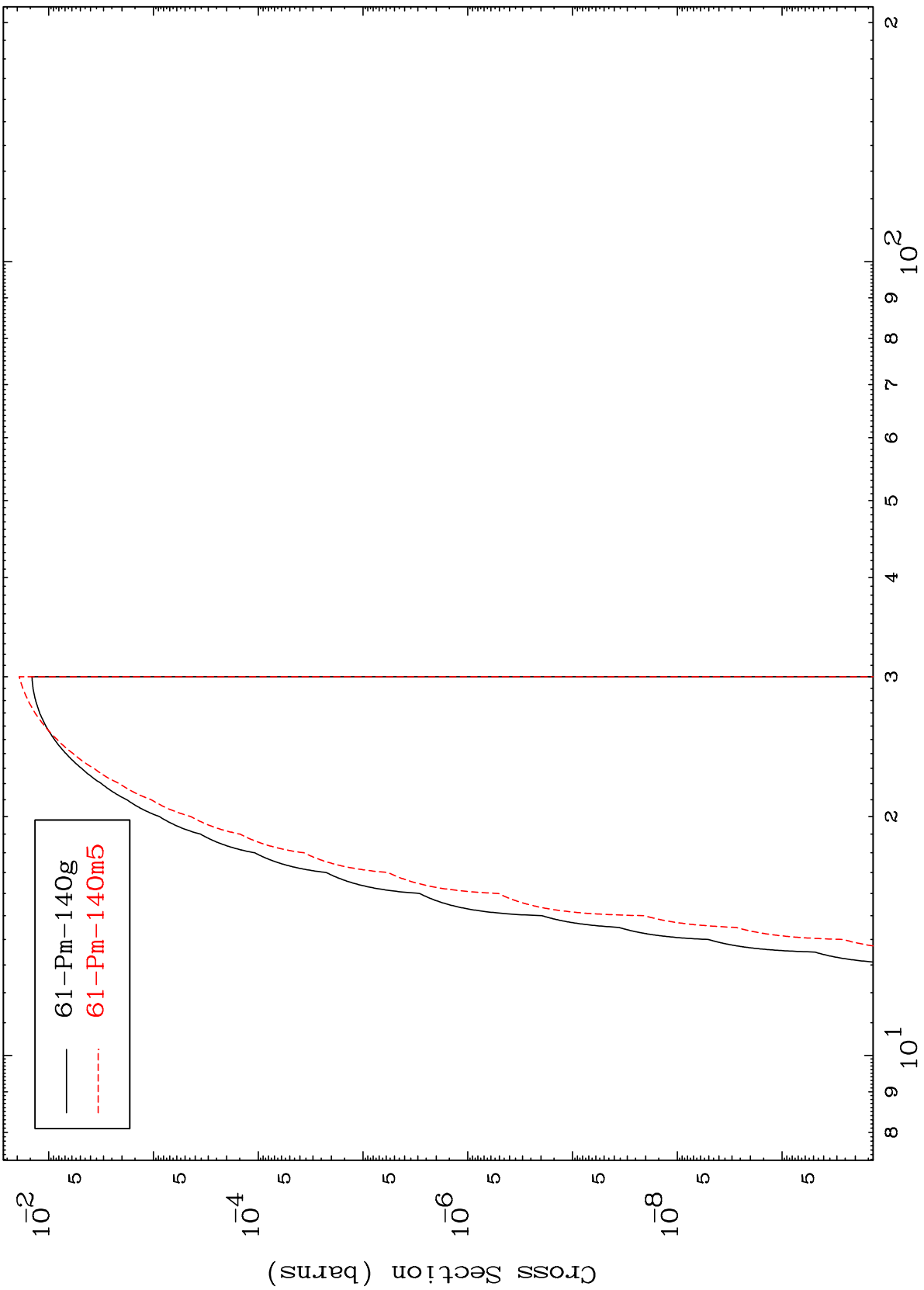
62-Sm-139g
62-Sm-139m4

MAT 6298

(n,2n) p

63-Eu-142

Radionuclide Production Cross Section



61-Pm-140g
61-Pm-140m5

92

Incident Energy (MeV)

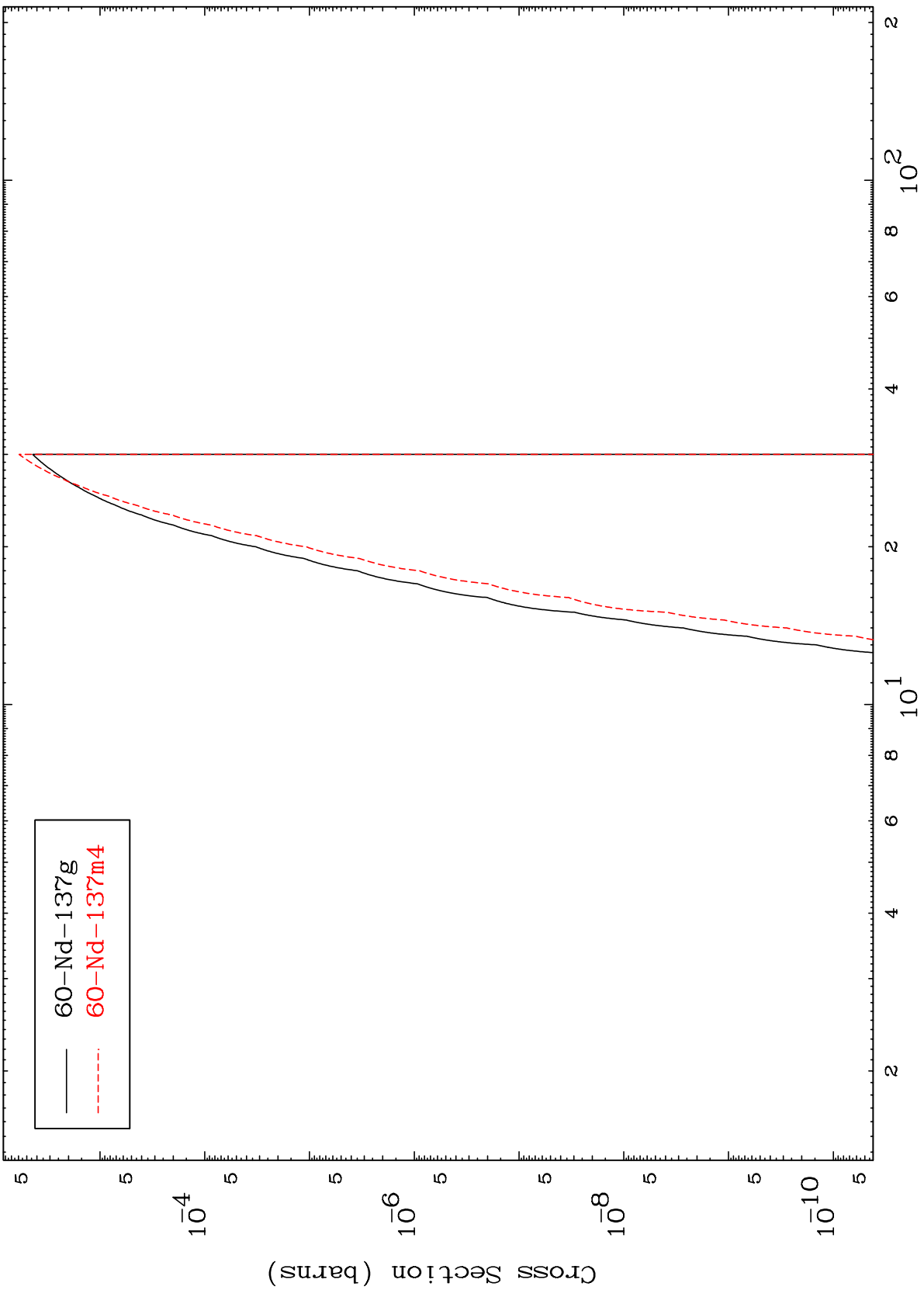
63-Eu-142

MAT 6298

(n,n') p α

63-Eu-142

Radionuclide Production Cross Section

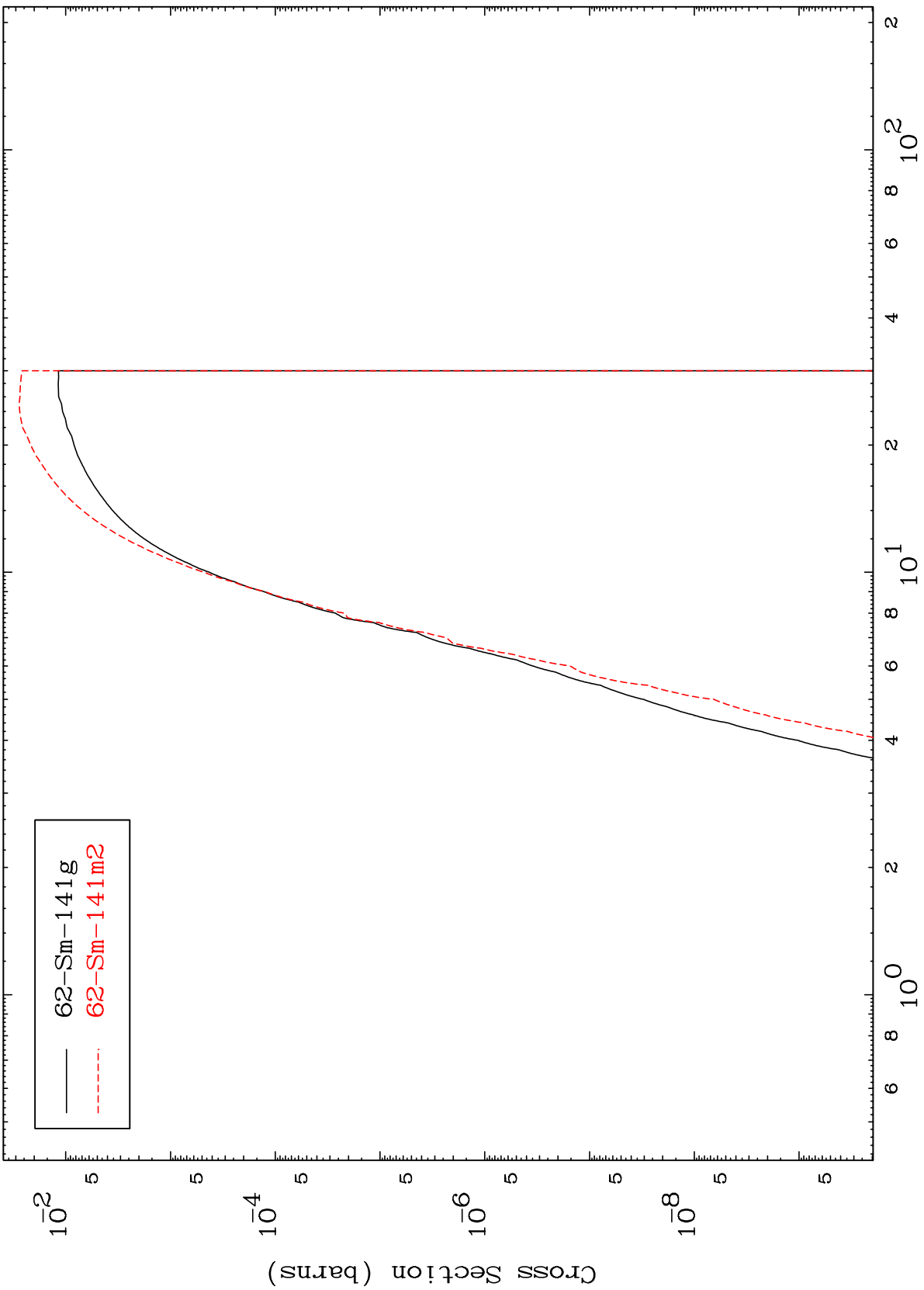
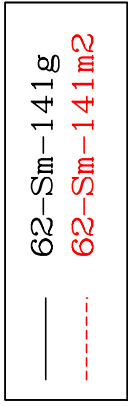


MAT 6298

(n,d)

63-Eu-142

Radionuclide Production Cross Section



94

Incident Energy (MeV)

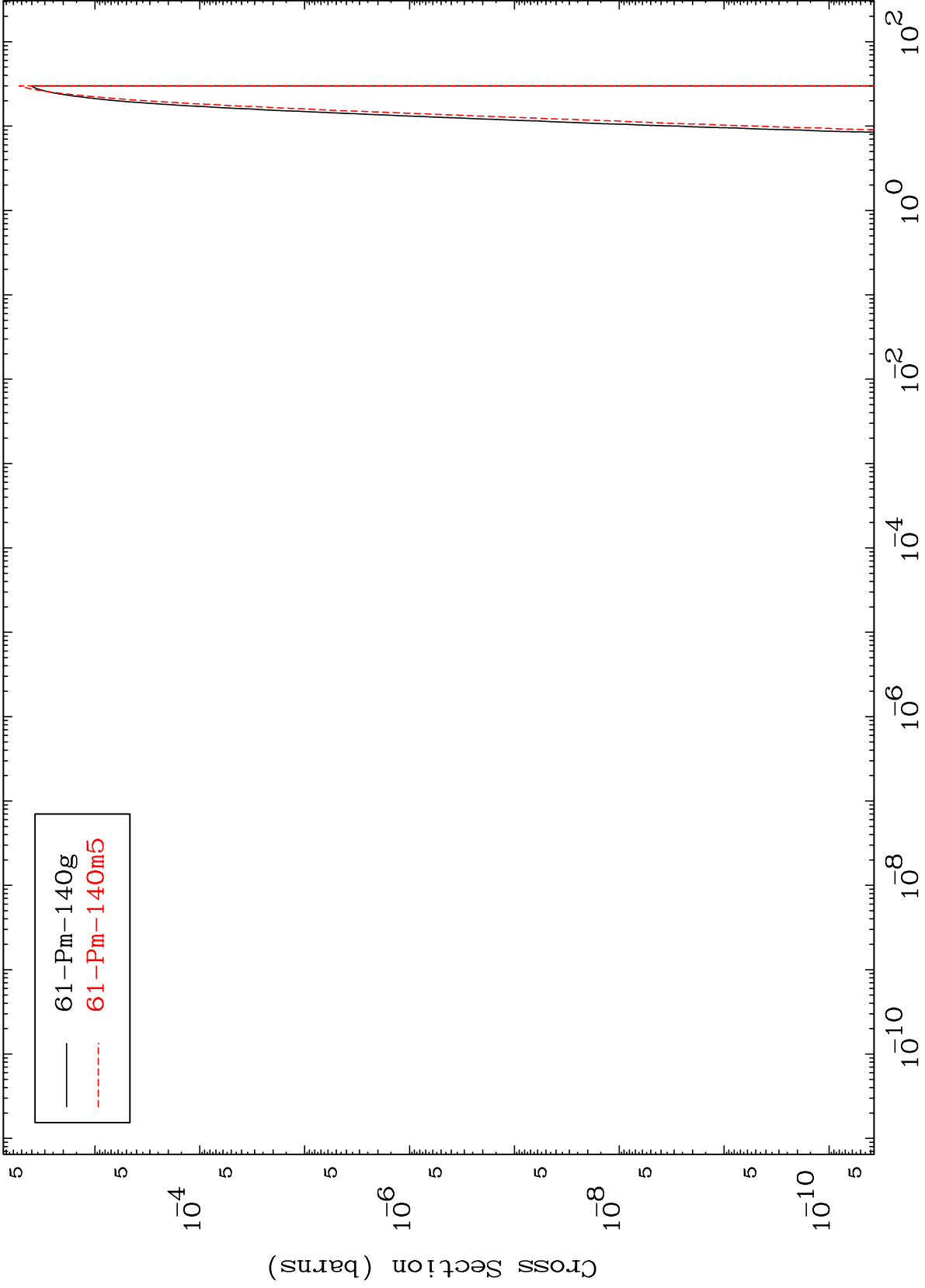
63-Eu-142

MAT 6298

(n,He-3)

63-Eu-142

Radionuclide Production Cross Section

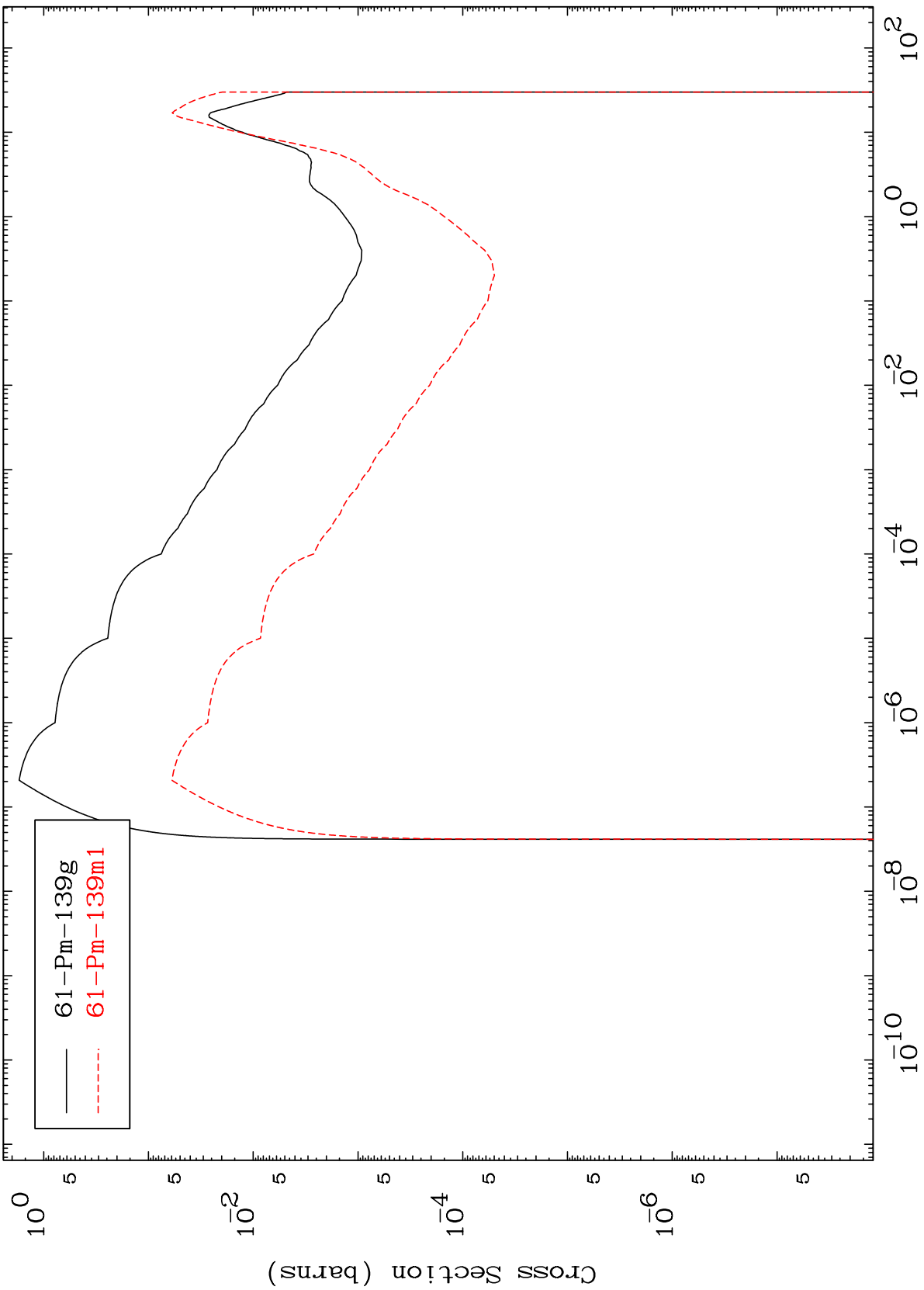


95

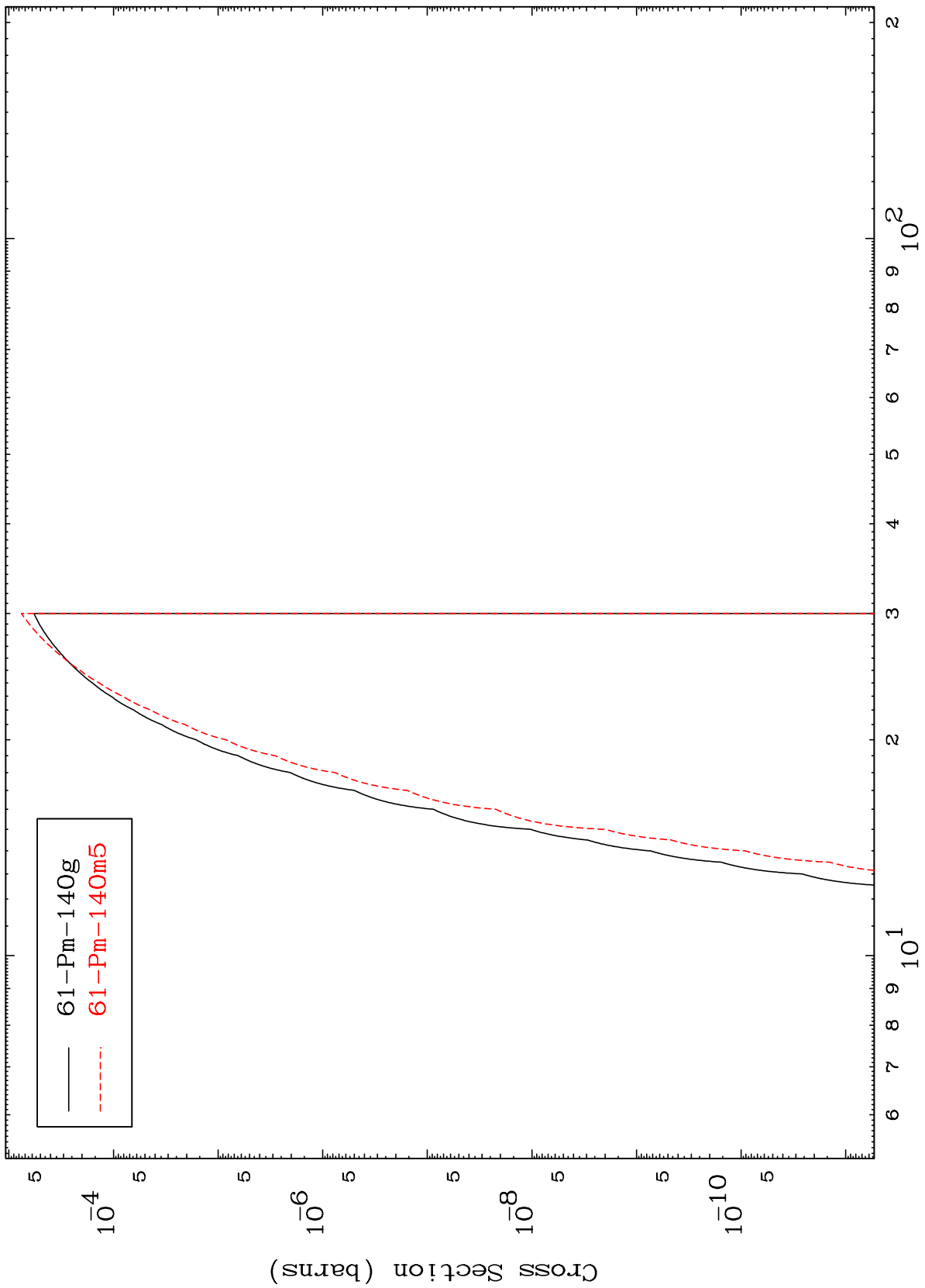
Incident Energy (MeV)

63-Eu-142

Radionuclide Production Cross Section (n, α)



Radionuclide Production Cross Section



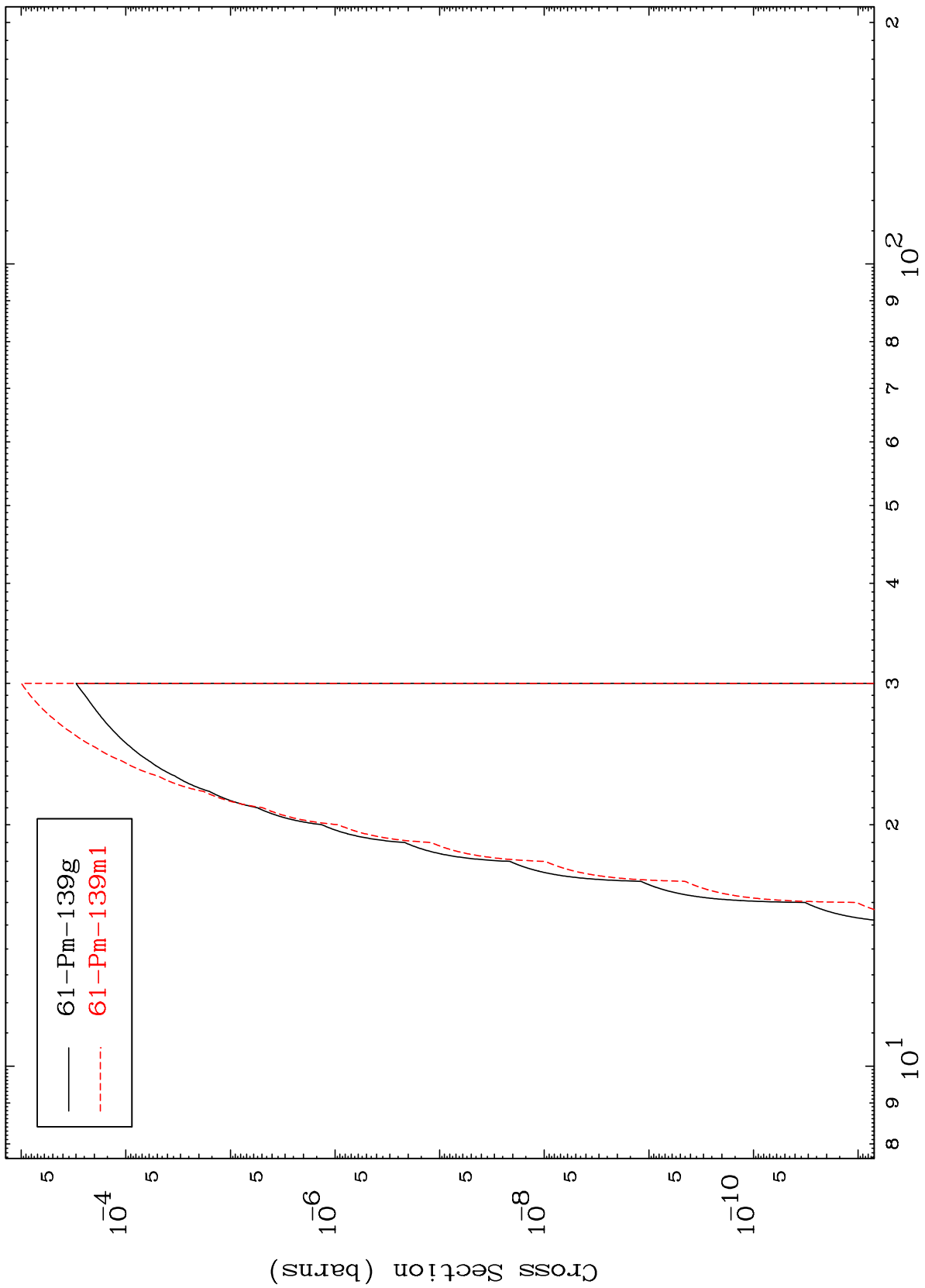
61-Pm-140g
61-Pm-140m5

MAT 6298

(n,p) t

63-Eu-142

Radionuclide Production Cross Section



98

Incident Energy (MeV)

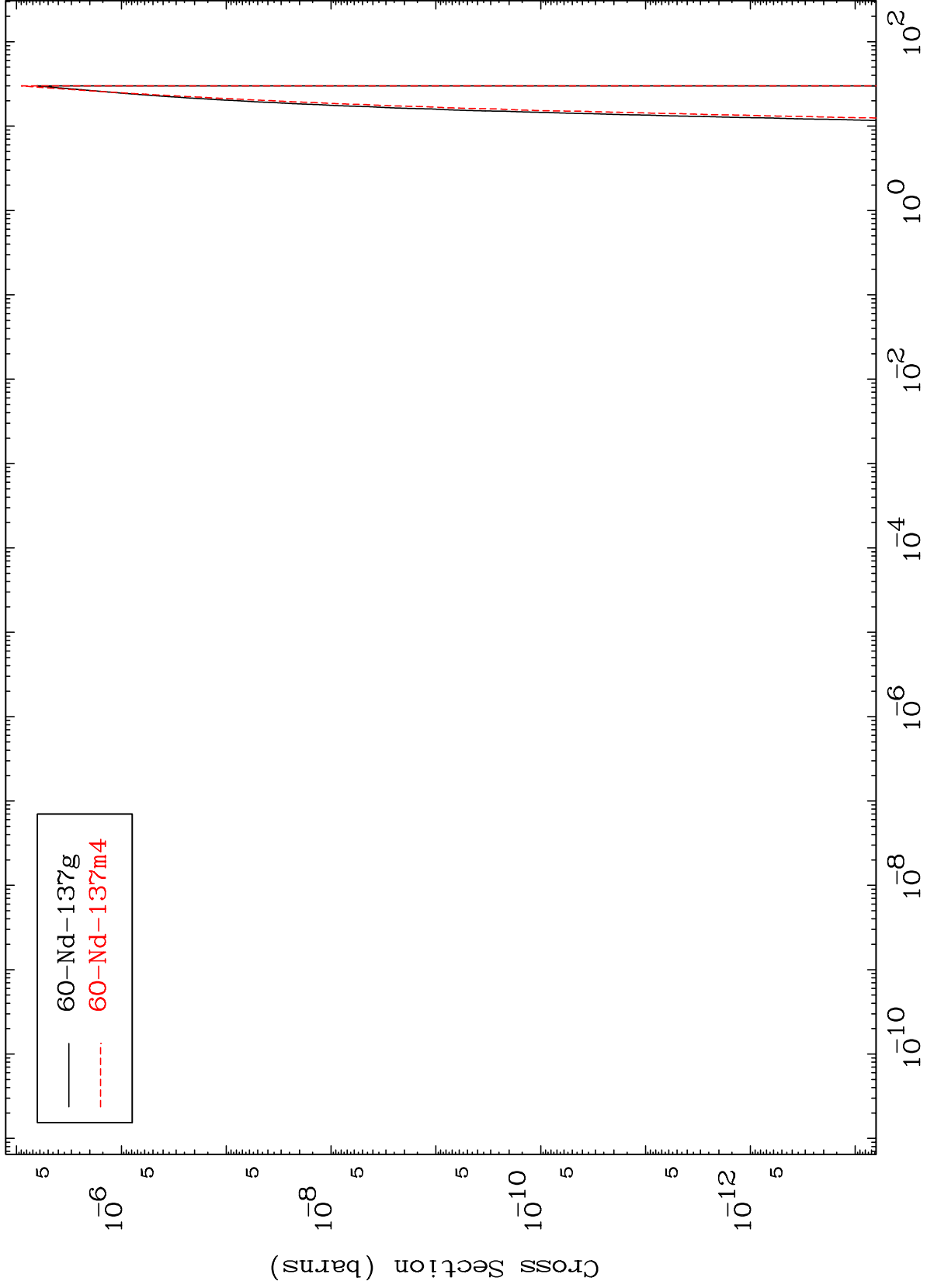
63-Eu-142

MAT 6298

(n,d) α

63-Eu-142

Radionuclide Production Cross Section



99

Incident Energy (MeV)

63-Eu-142