

Program EVALPLOT
(Version 2017-1)

by

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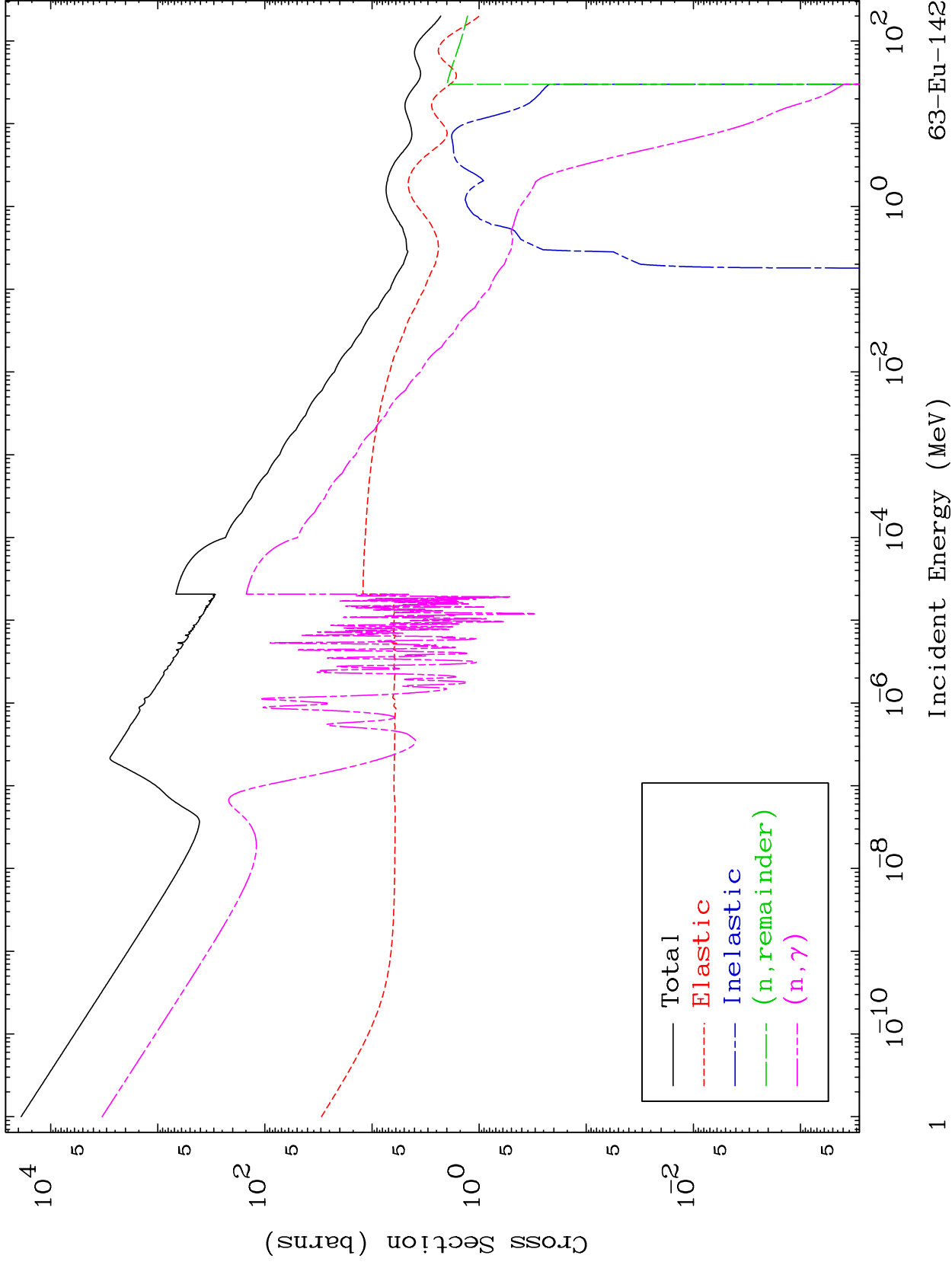
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Press Mouse Button to Start

MAT 6298

Major
293 Kelvin Cross Sections

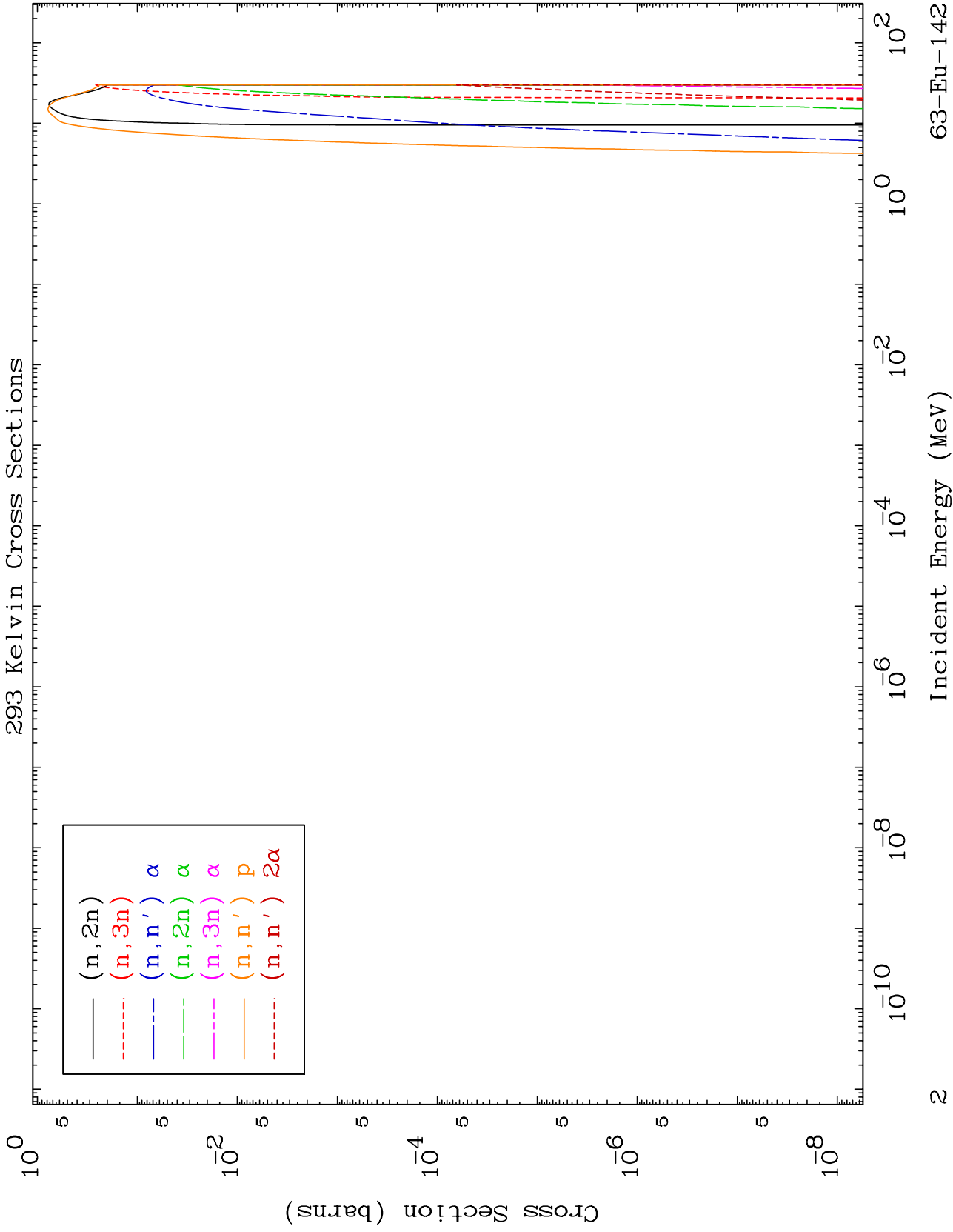
63-Eu-142

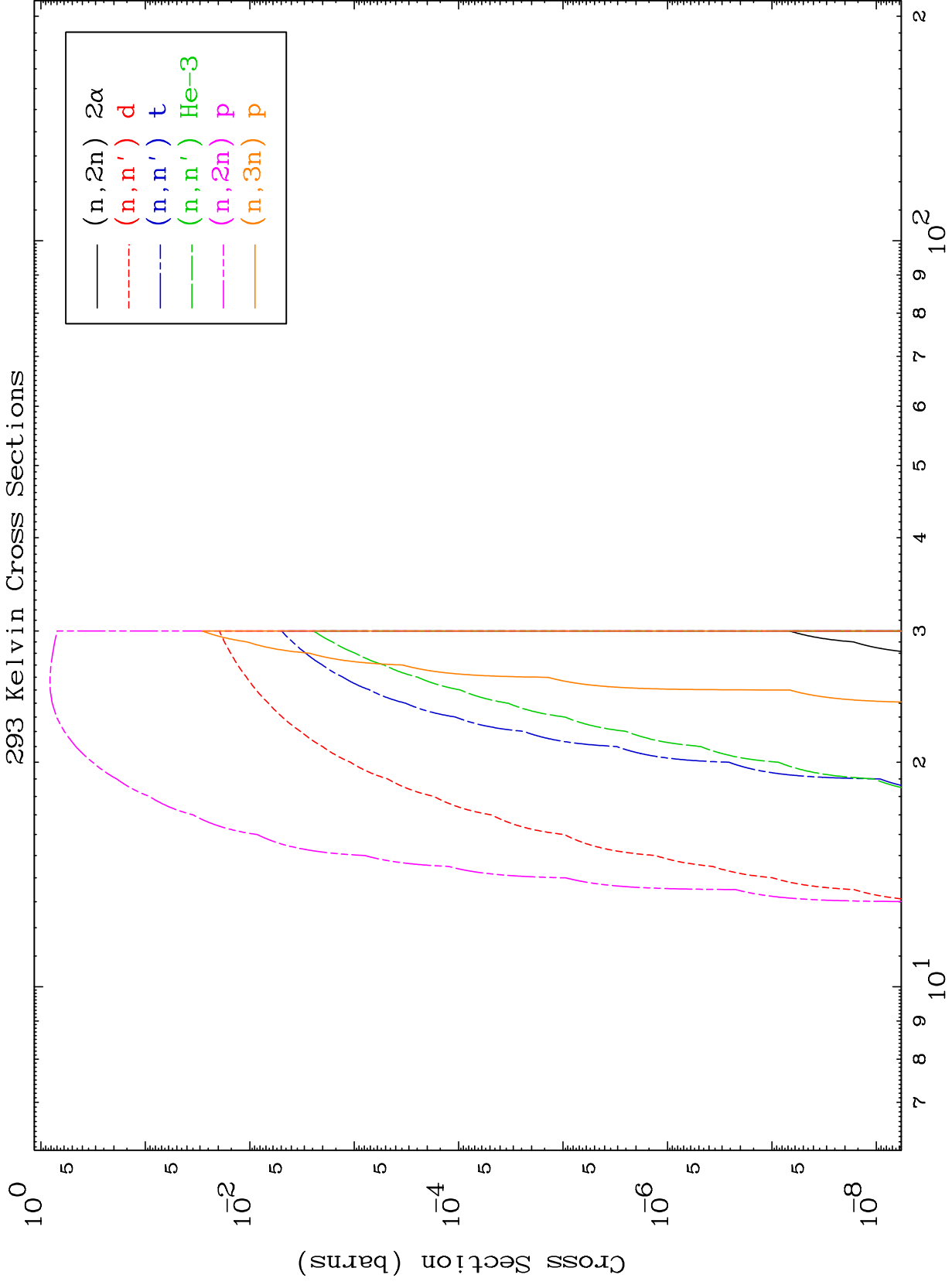


MAT 6298

Neutron Production
293 Kelvin Cross Sections

63-Eu-142

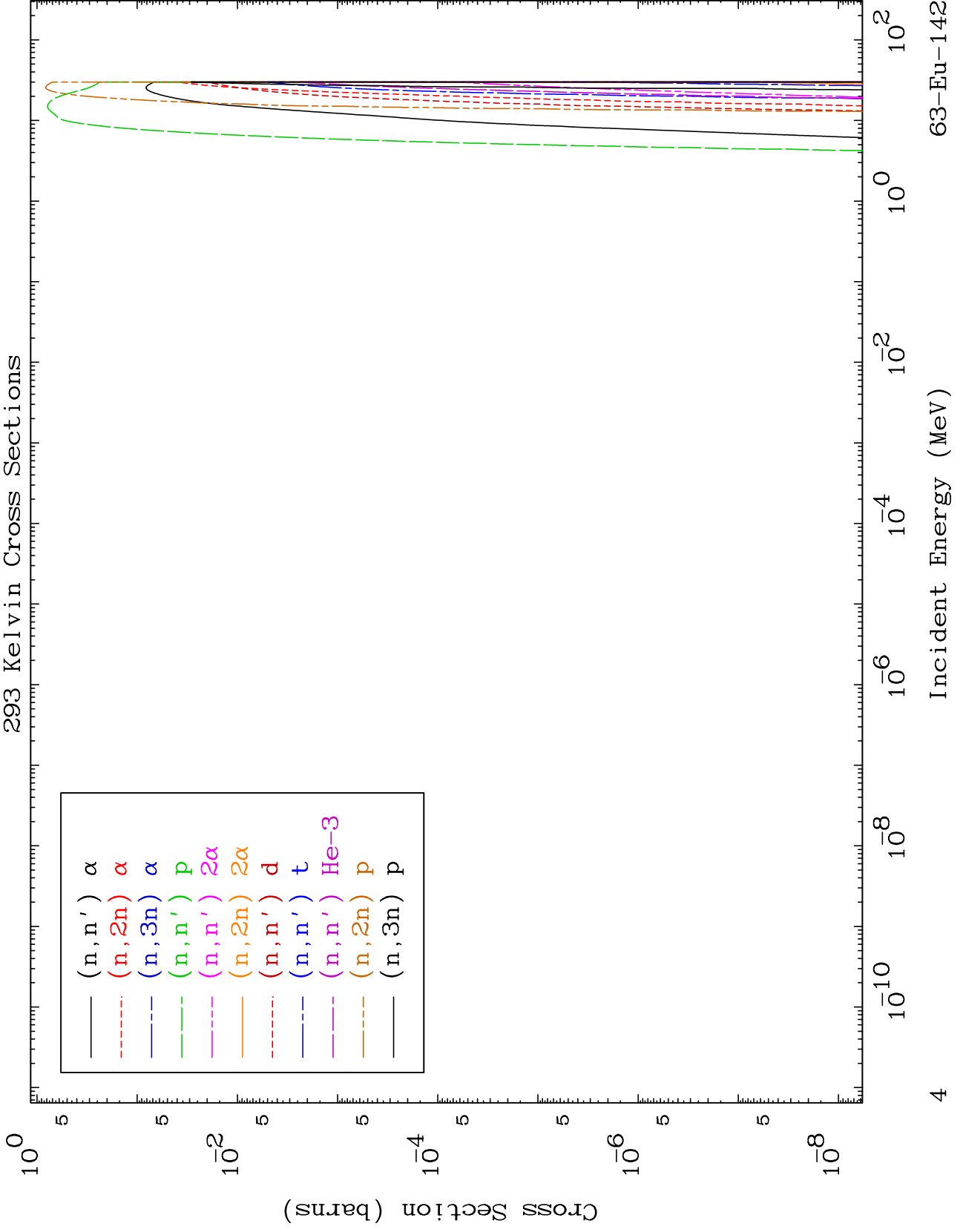




MAT 6298

Charged Particle
293 Kelvin Cross Sections

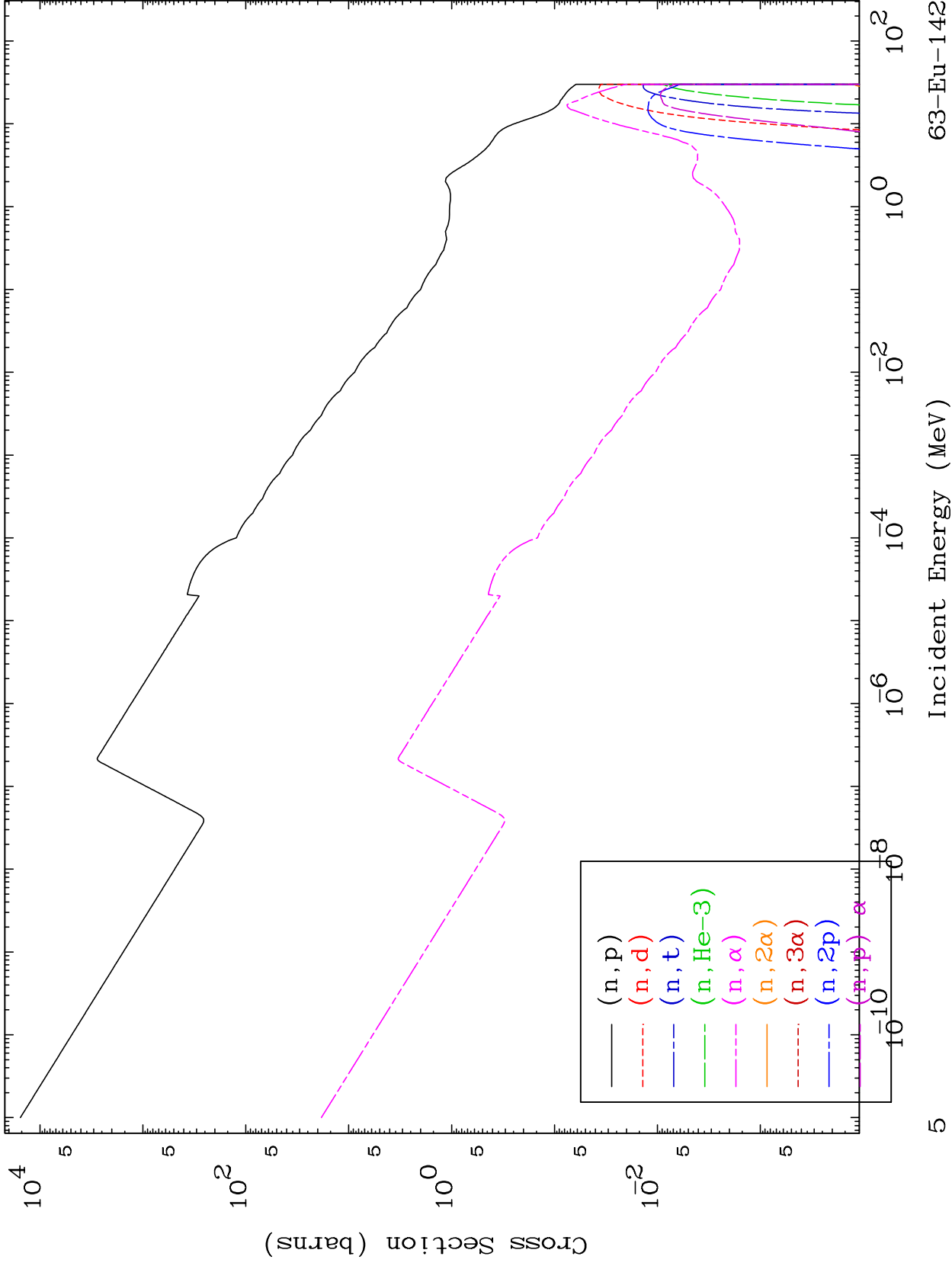
63-Eu-142



MAT 6298

Charged Particle
293 Kelvin Cross Sections

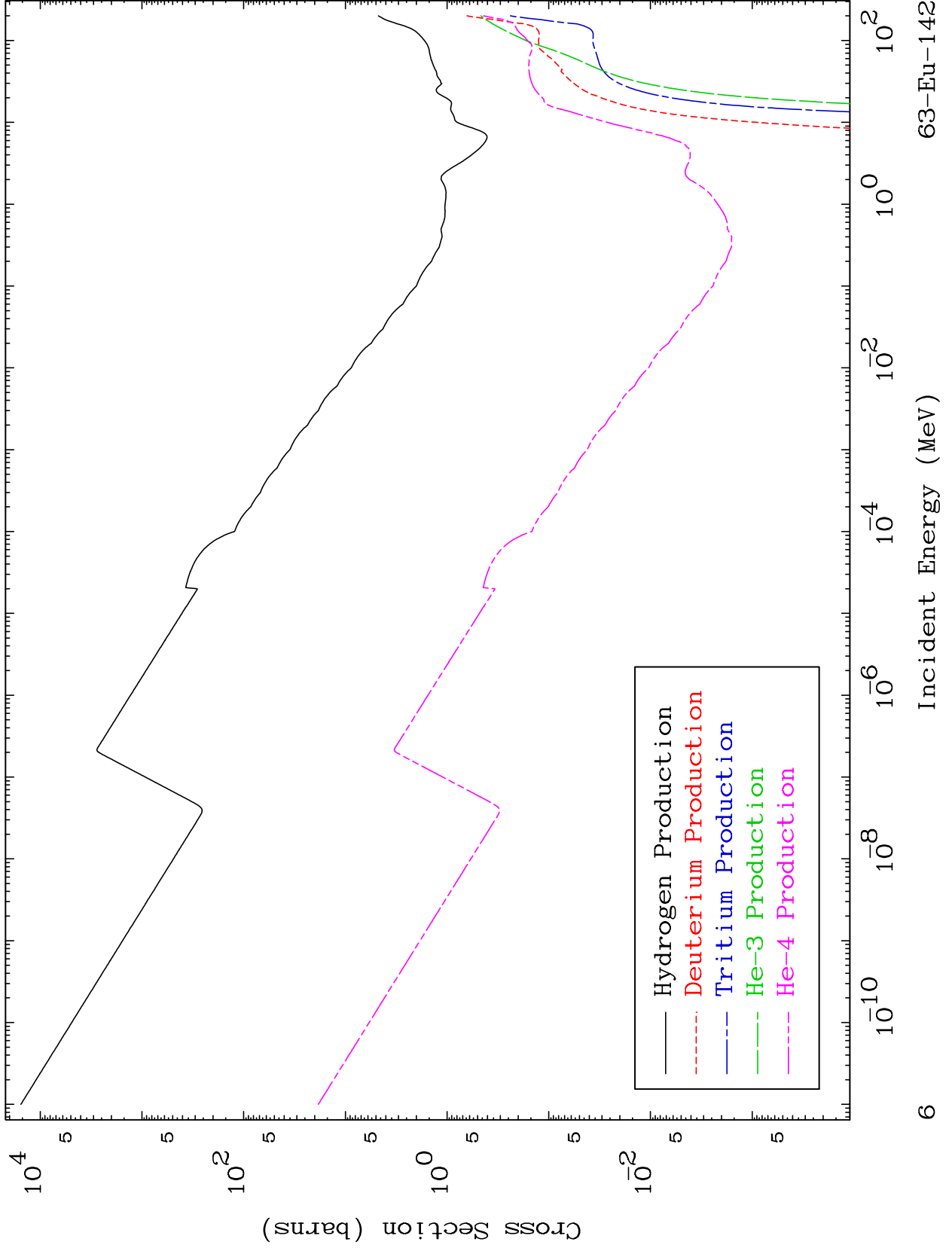
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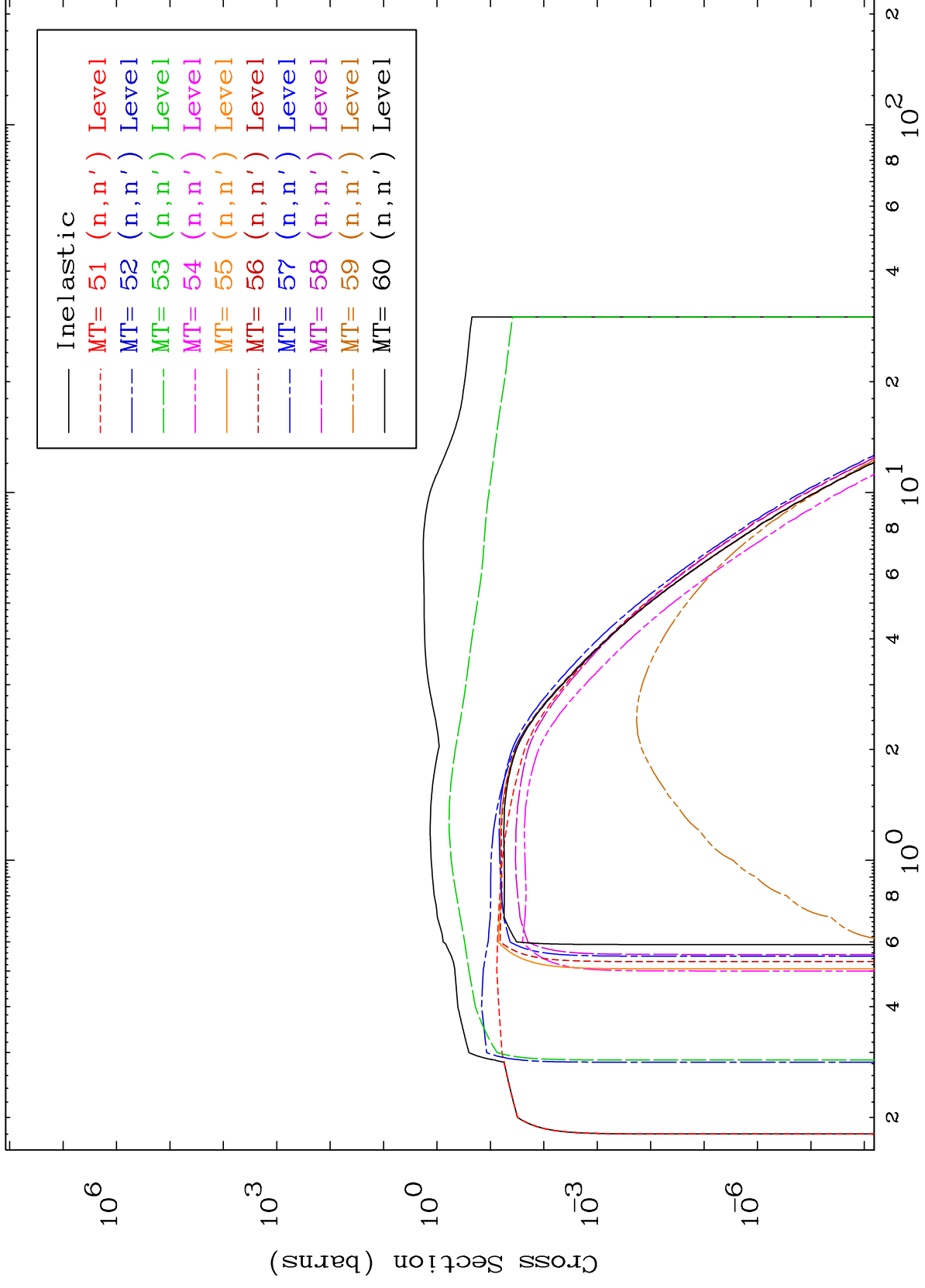
MAT 6298

Particle Production
293 Kelvin Cross Sections

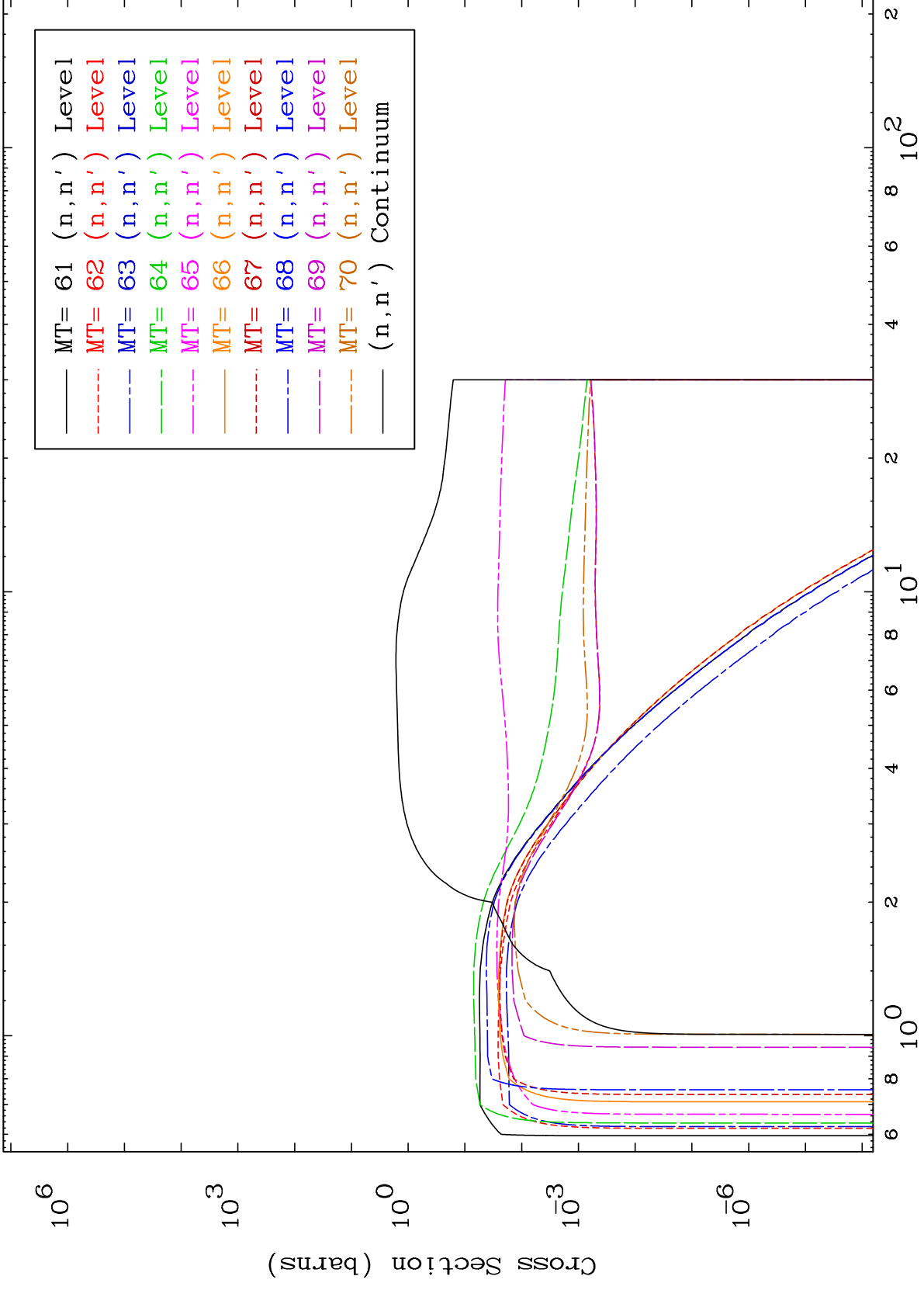
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293 Kelvin Cross Sections



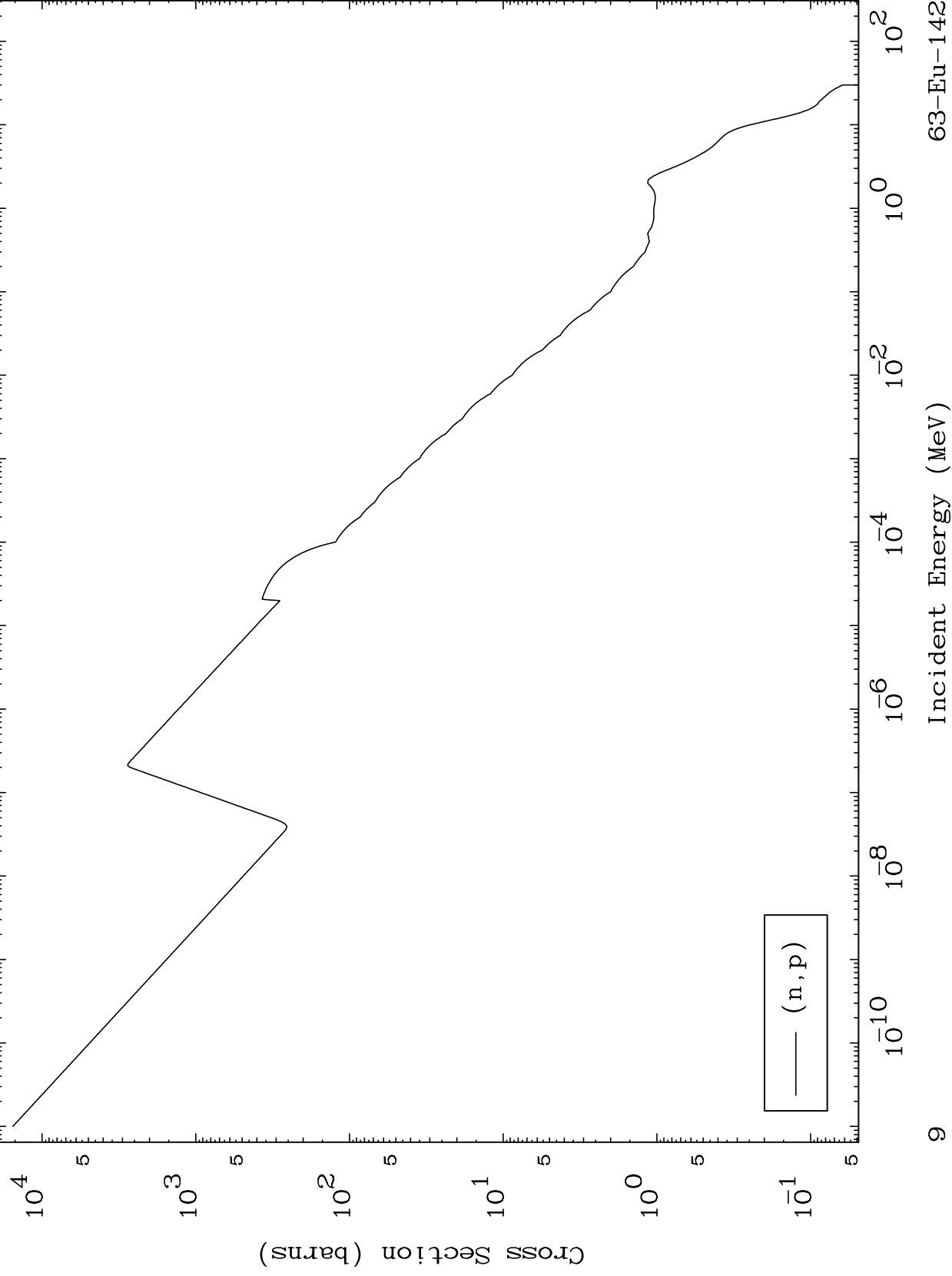
293 Kelvin Cross Sections



MAT 6298

(n,p) Levels
293 Kelvin Cross Sections

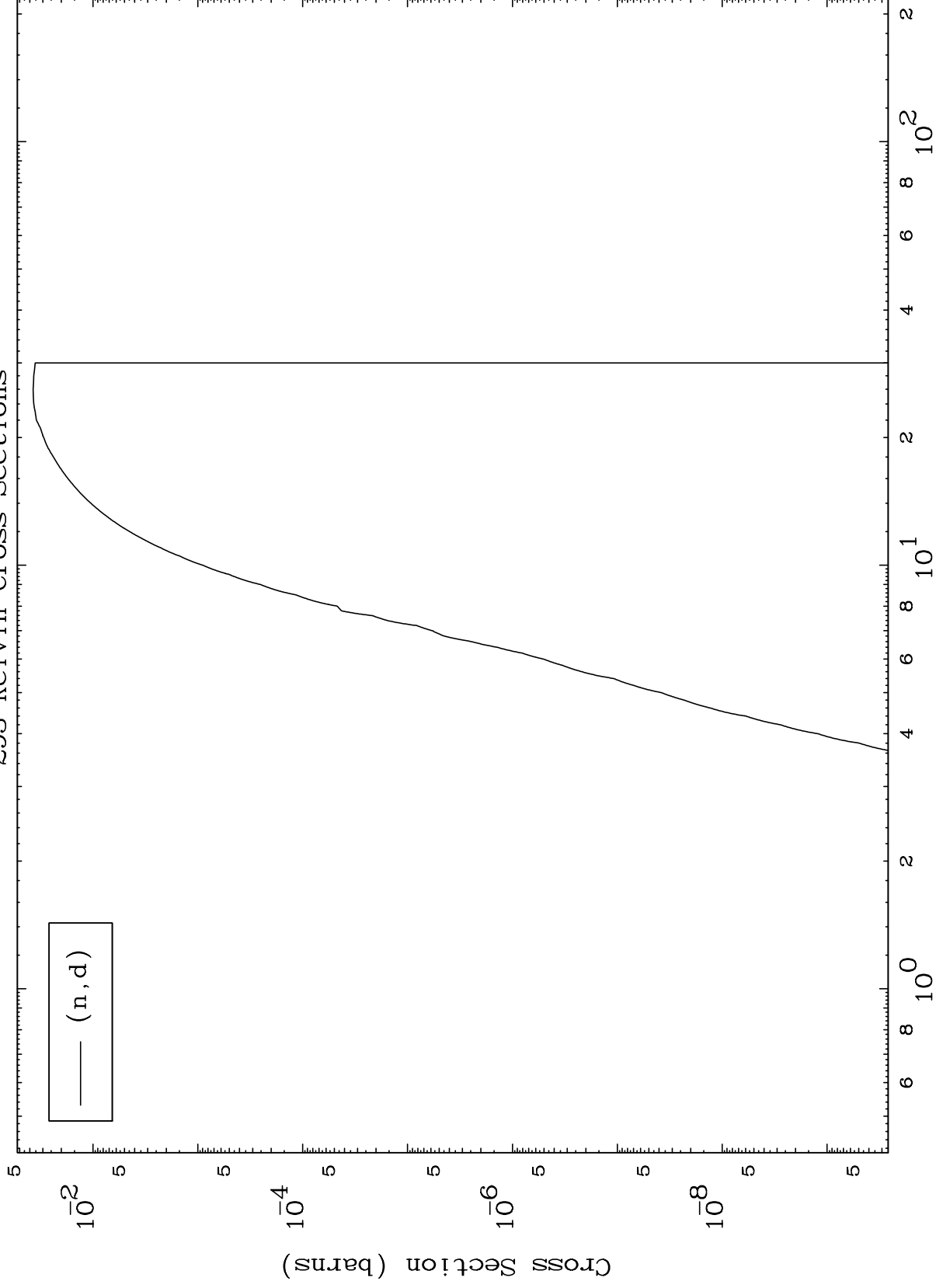
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MAT 6298

(n,d) Levels
293 Kelvin Cross Sections

63-Eu-142



10

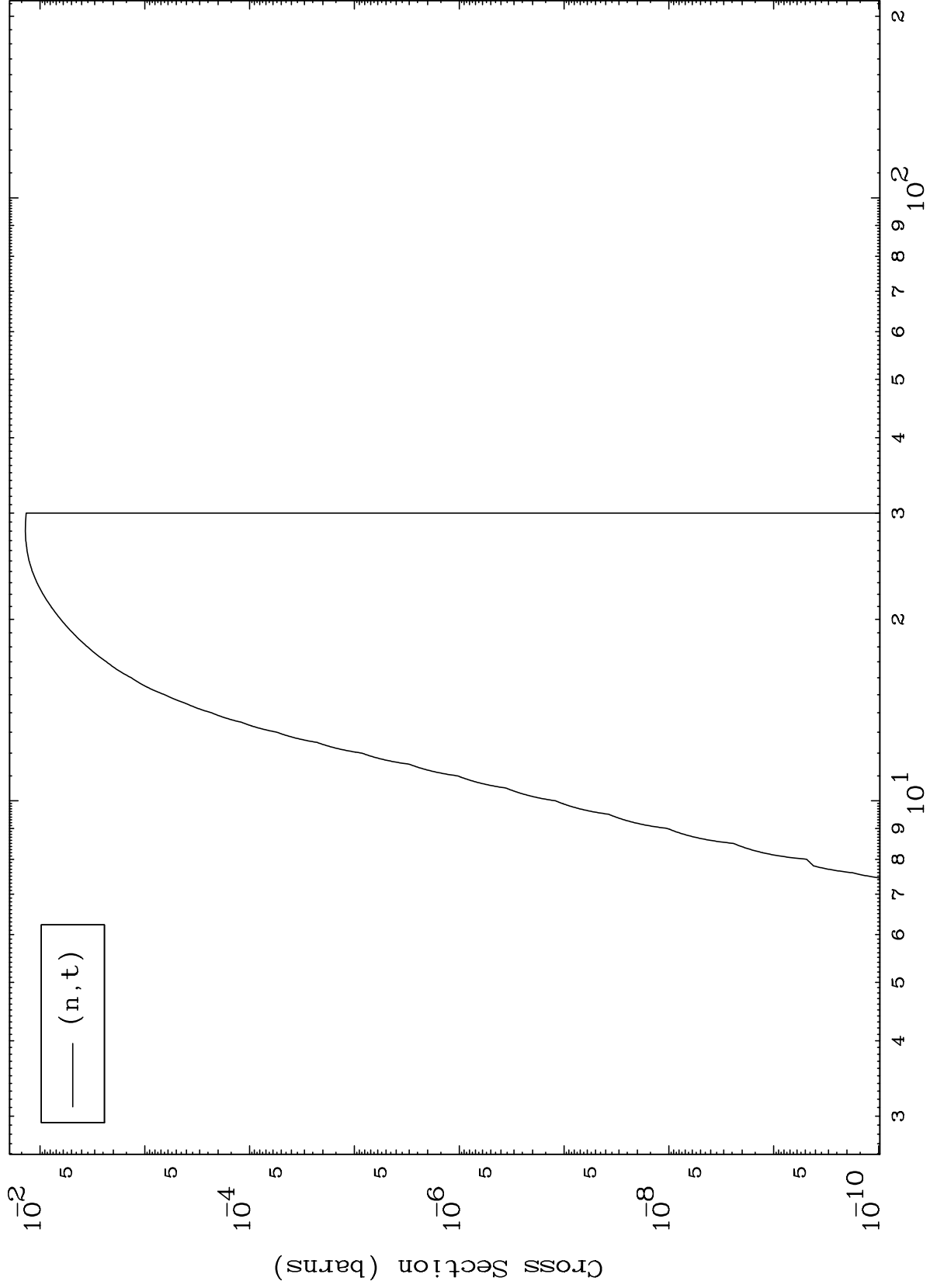
Incident Energy (MeV)

63-Eu-142

MAT 6298

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-142



11

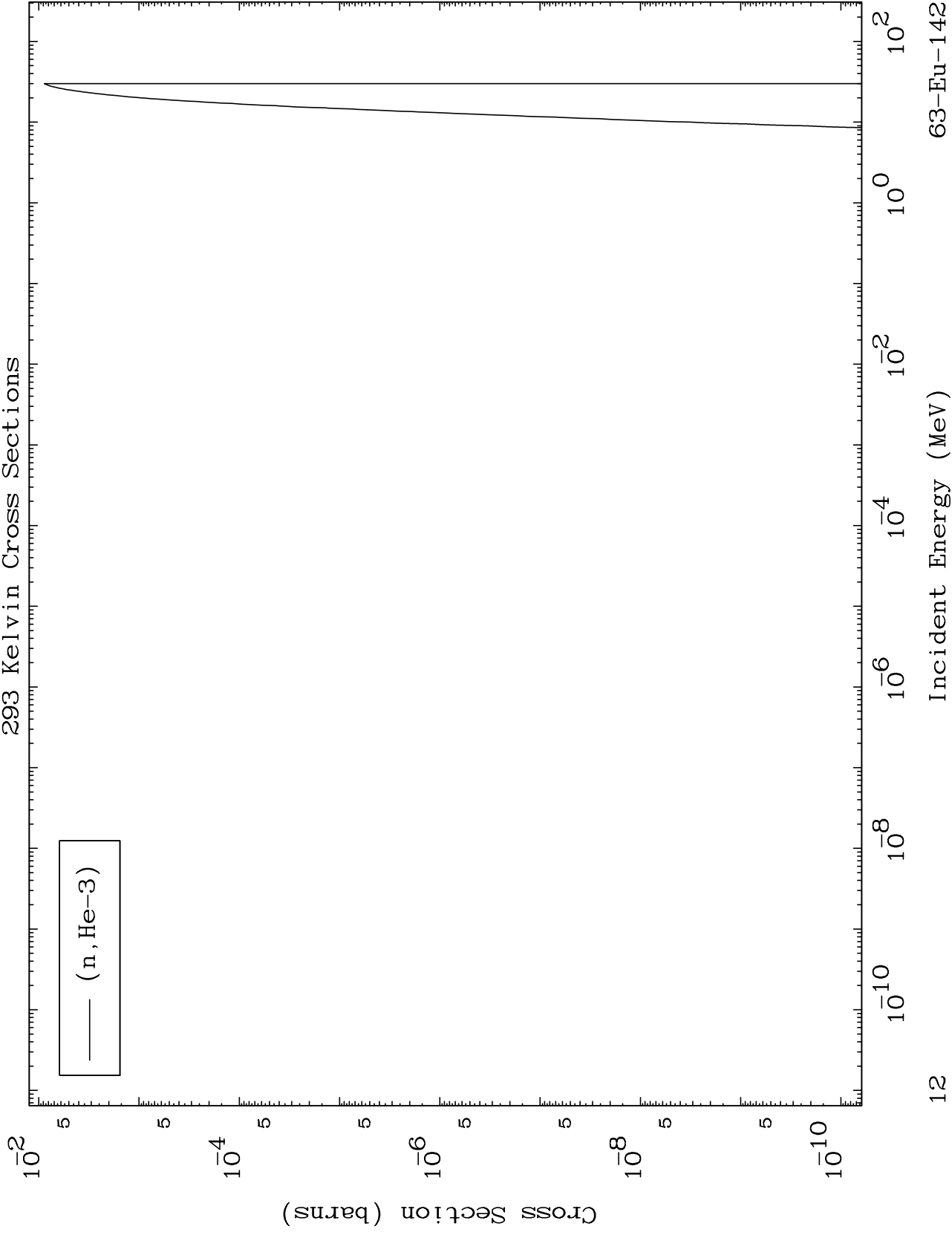
Incident Energy (MeV)

63-Eu-142

MAT 6298

(n,He3) Levels
293 Kelvin Cross Sections

63-Eu-142



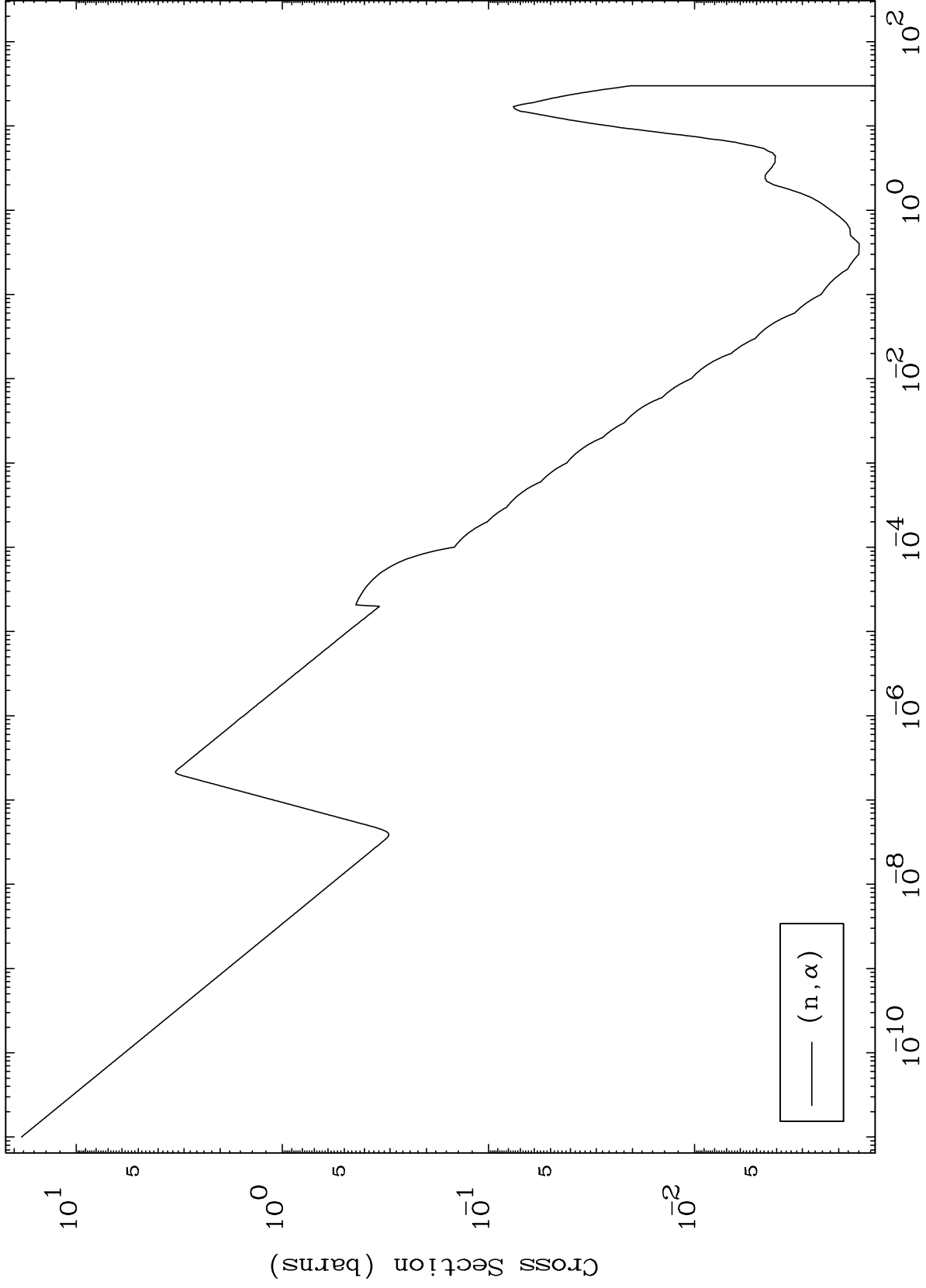
12

63-Eu-142

MAT 6298

(n,α) Levels
293 Kelvin Cross Sections

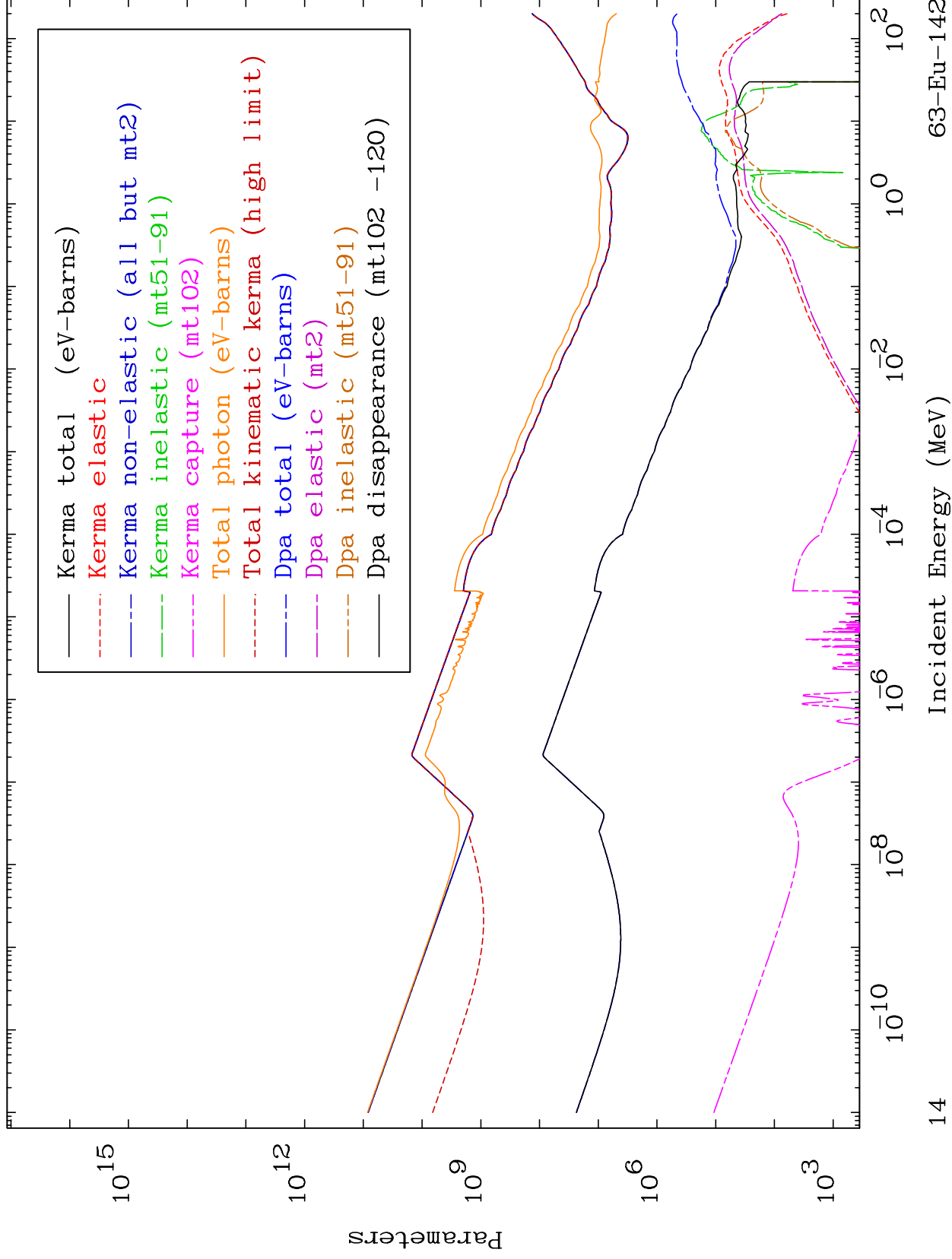
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13

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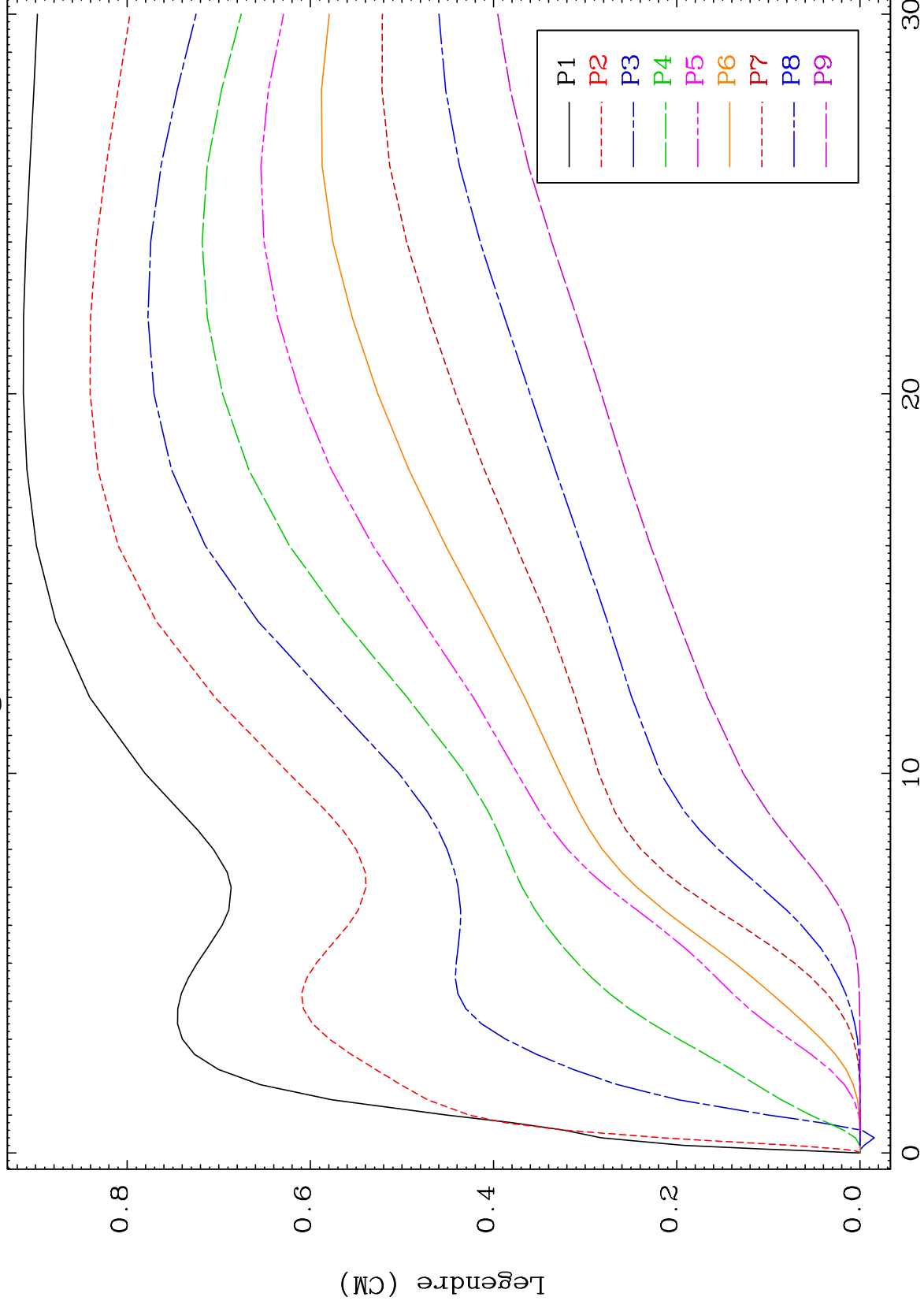
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MAT 6298

Elastic Legendre Coefficients

63-Eu-142



15

Incident Energy (MeV)

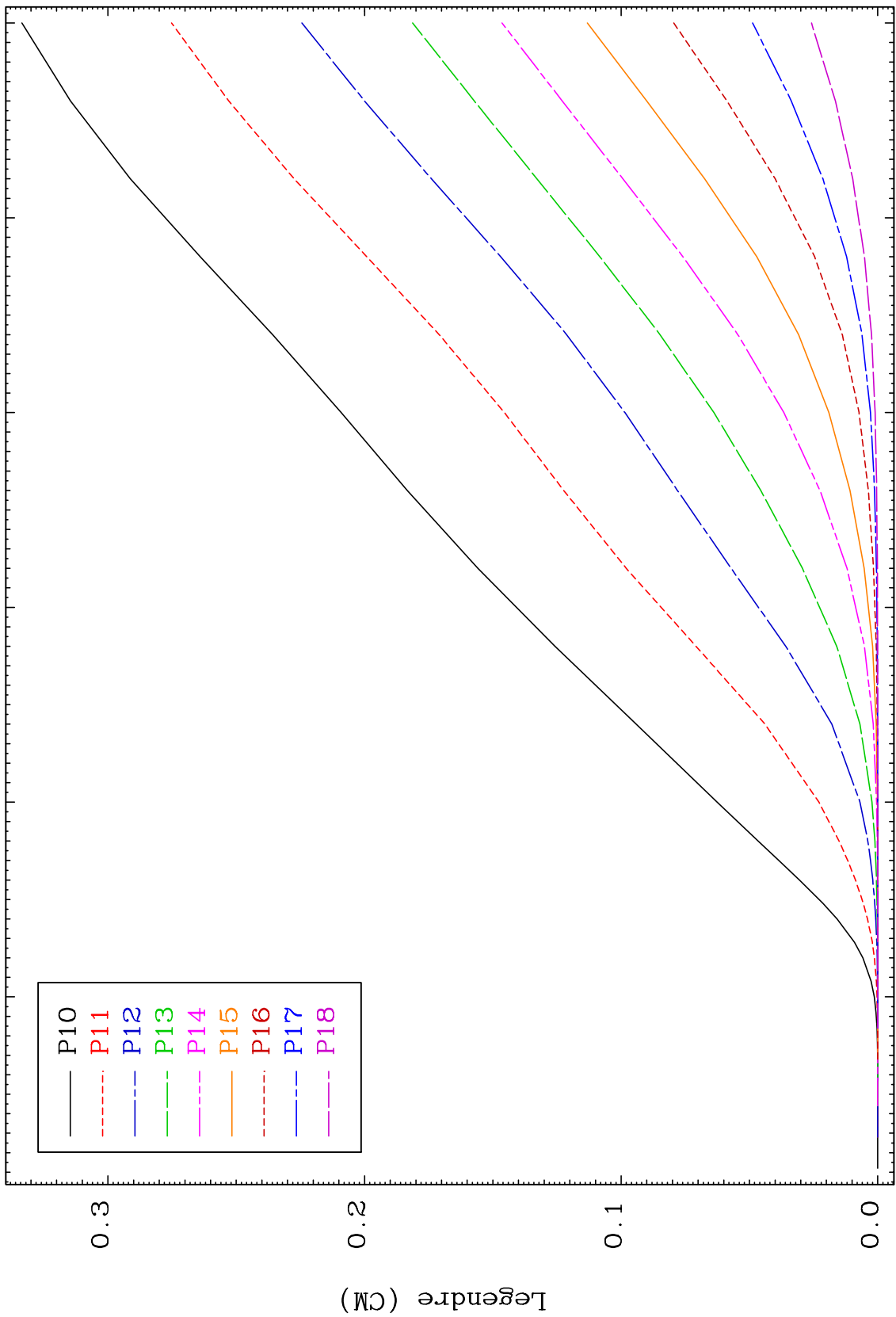
63-Eu-142

30

MAT 6298

Elastic Legendre Coefficients

63-Eu-142



16

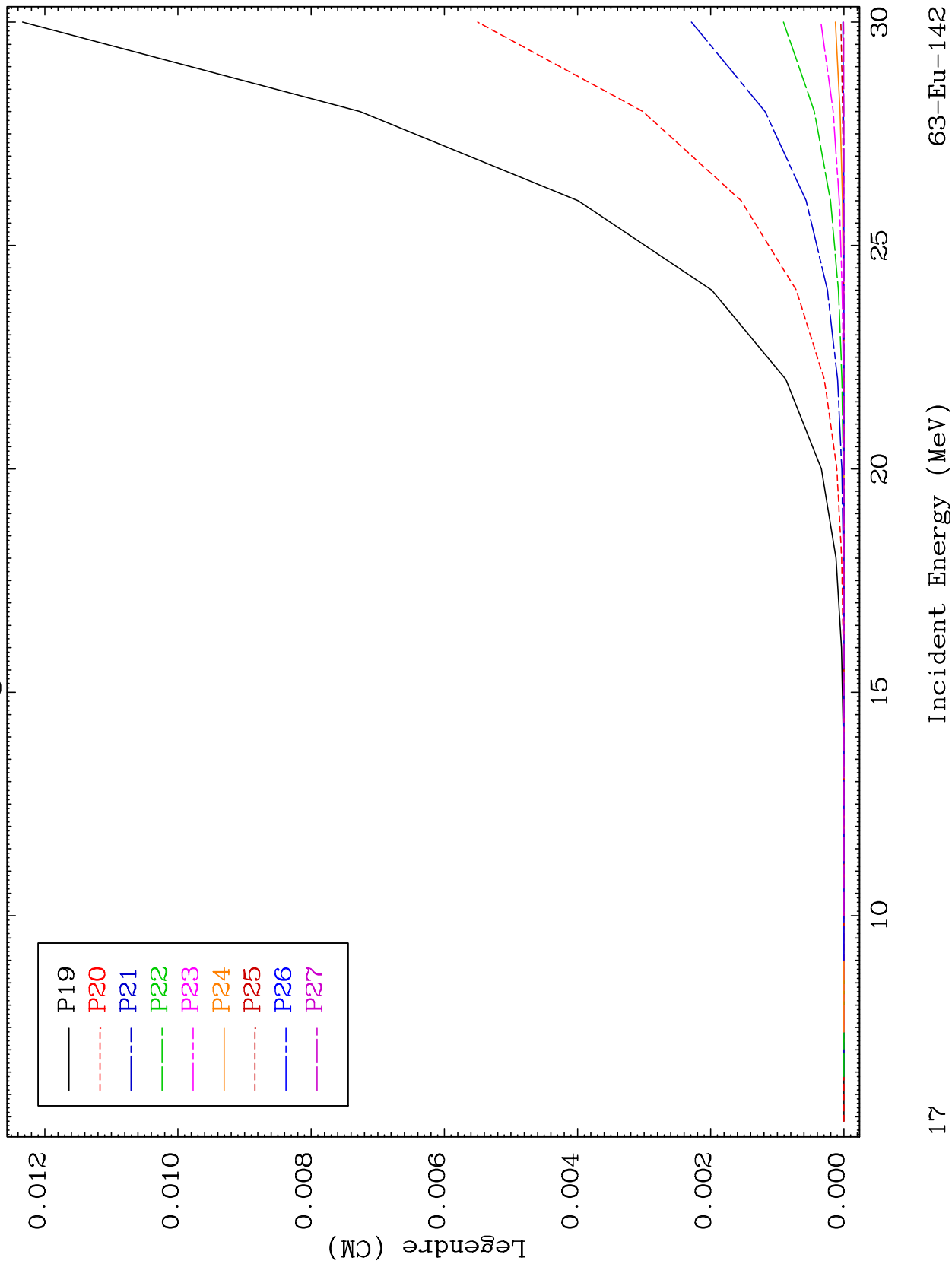
Incident Energy (MeV)

63-Eu-142

MAT 6298

Elastic Legendre Coefficients

63-Eu-142



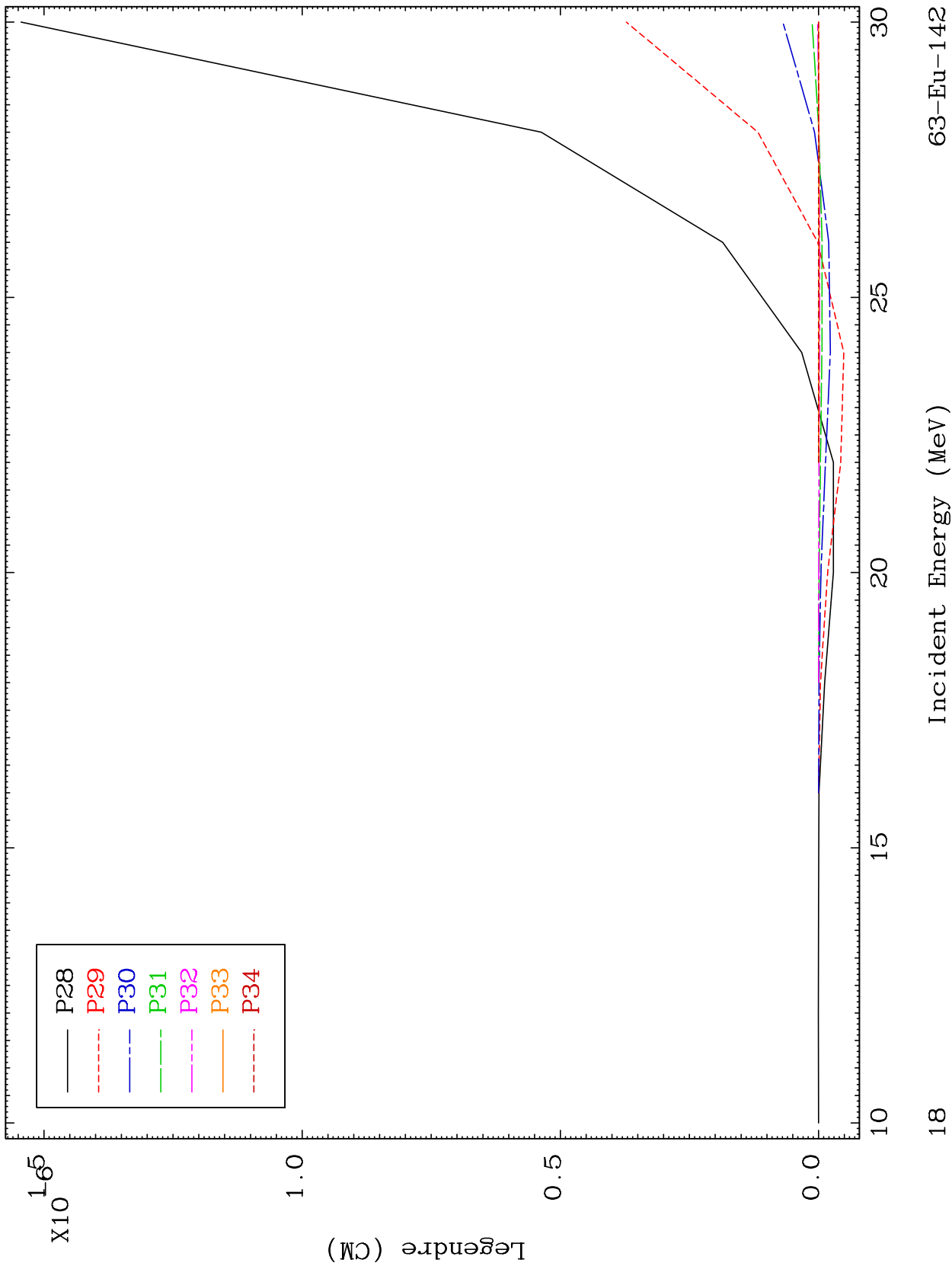
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63-Eu-142

MAT 6298

Elastic Legendre Coefficients

⁶³-Eu-142



⁶³-Eu-142

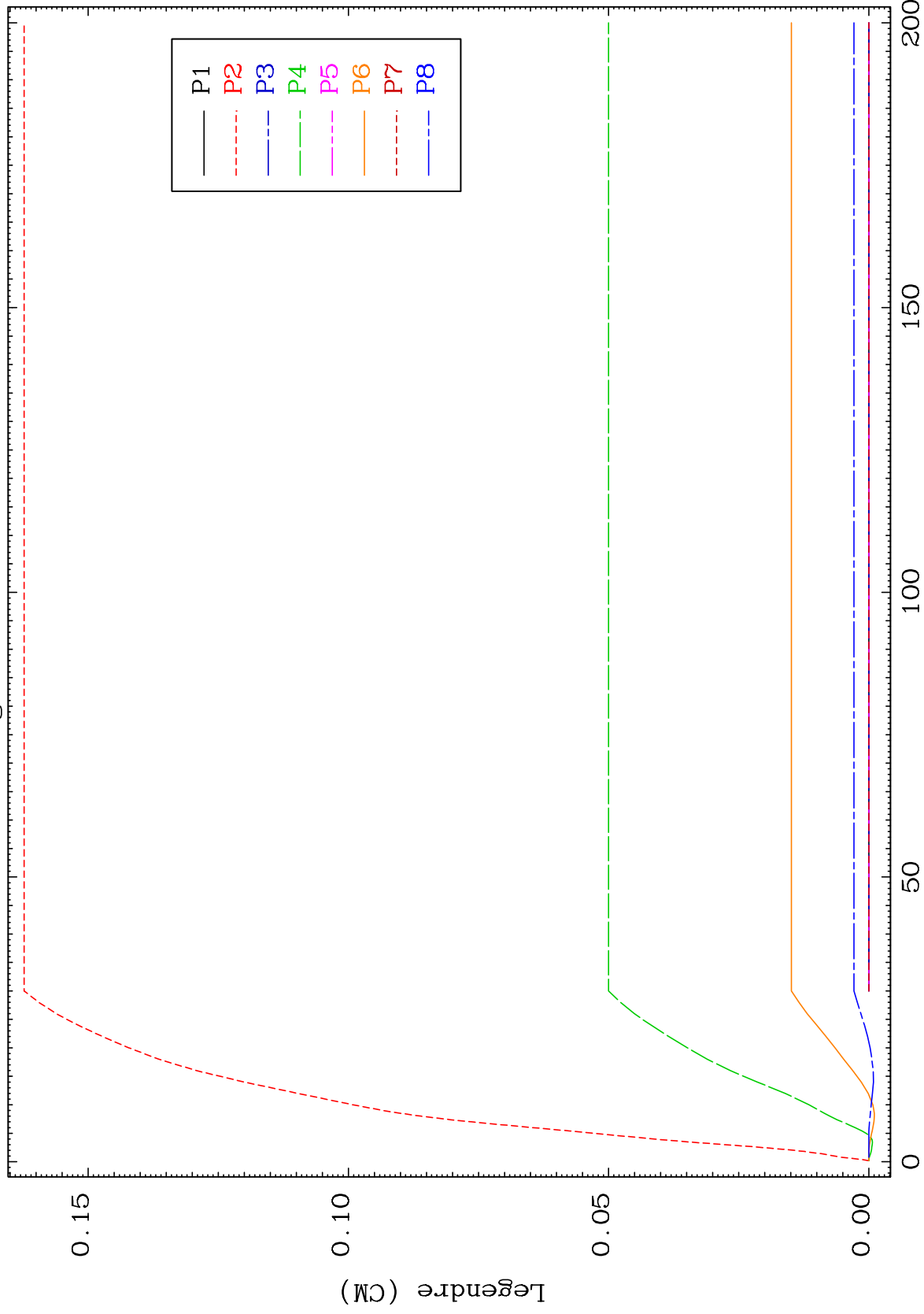
Incident Energy (MeV)

18

MAT 6298

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

63-Eu-142



19

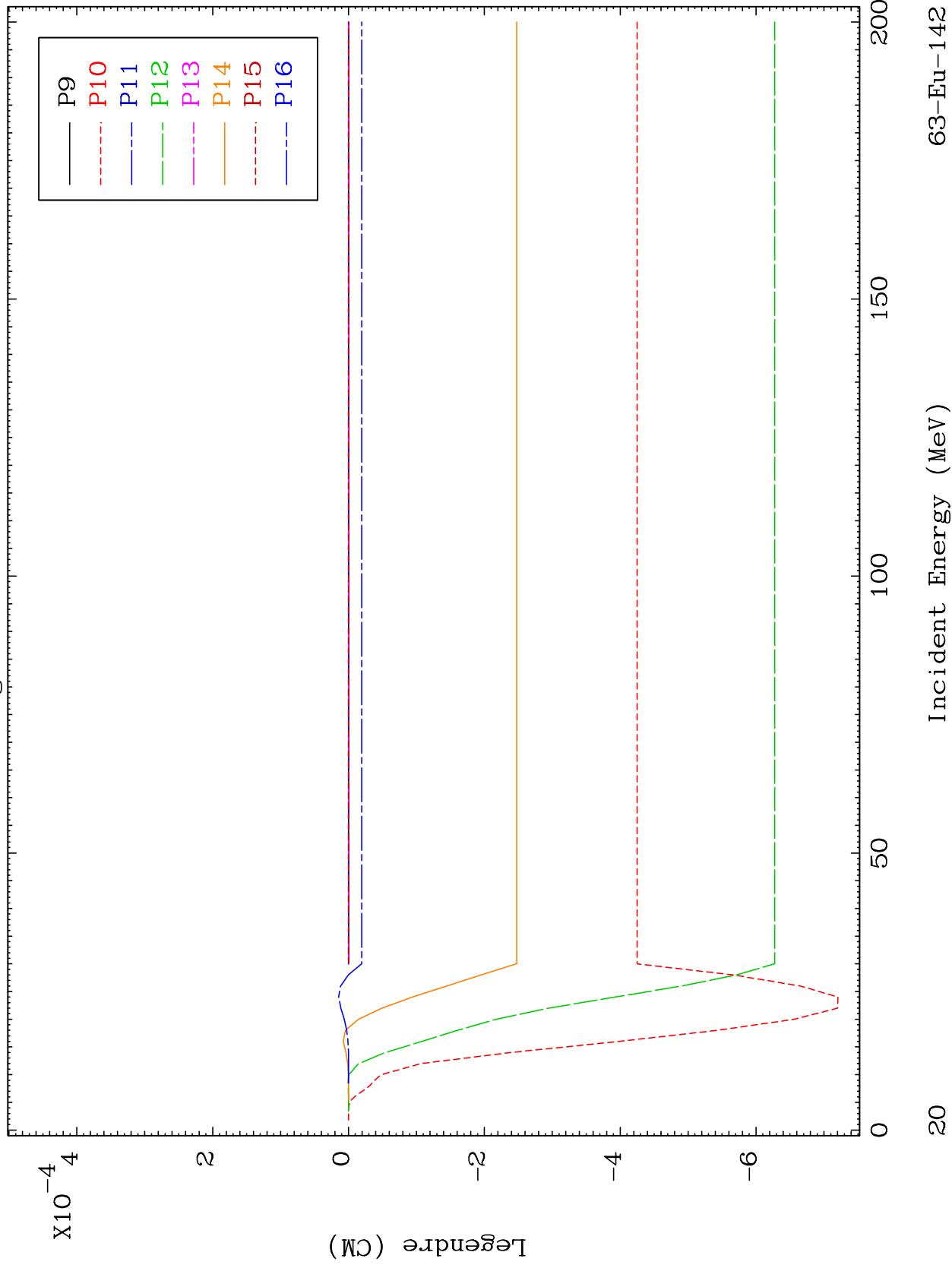
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

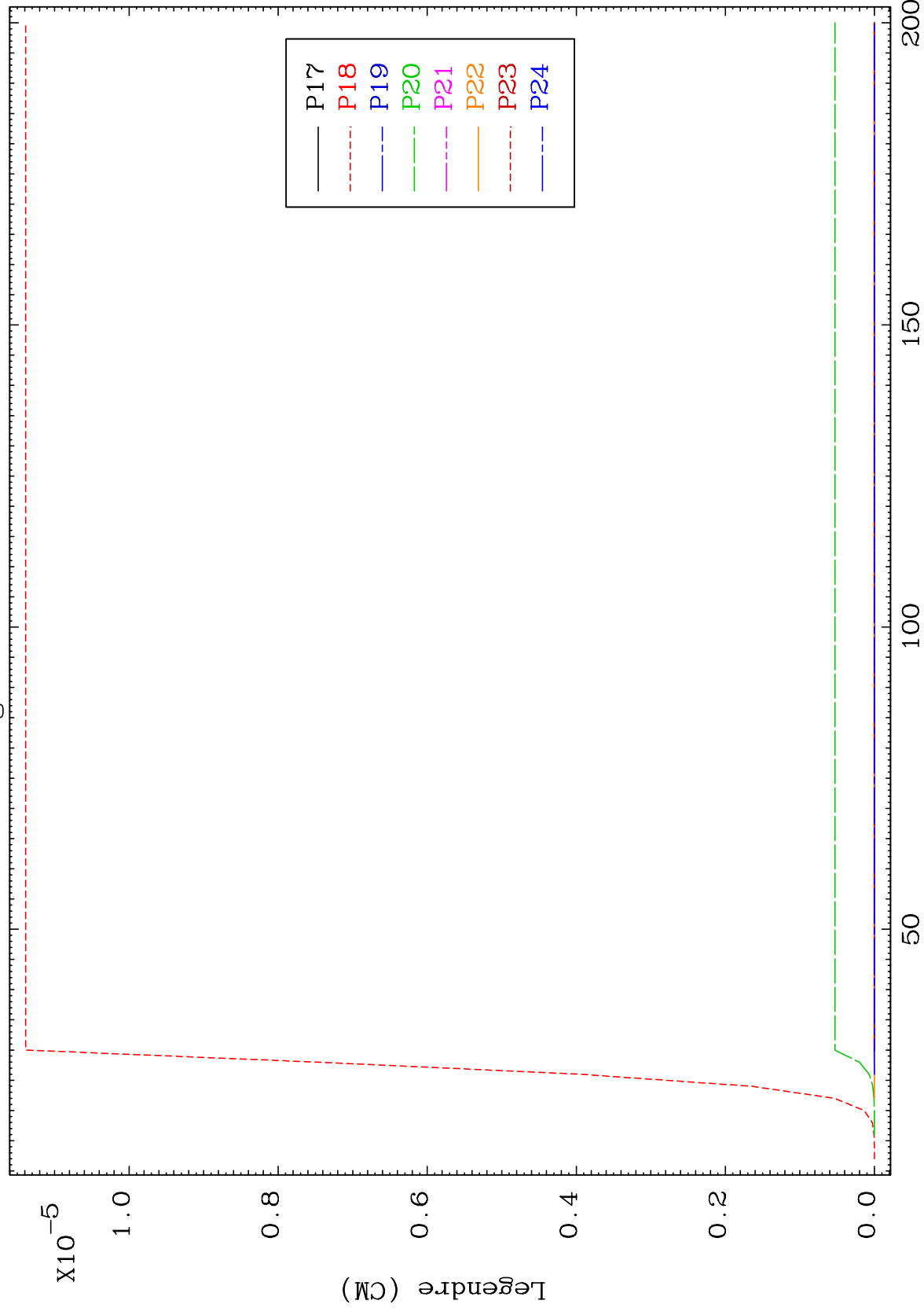
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MAT 6298

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

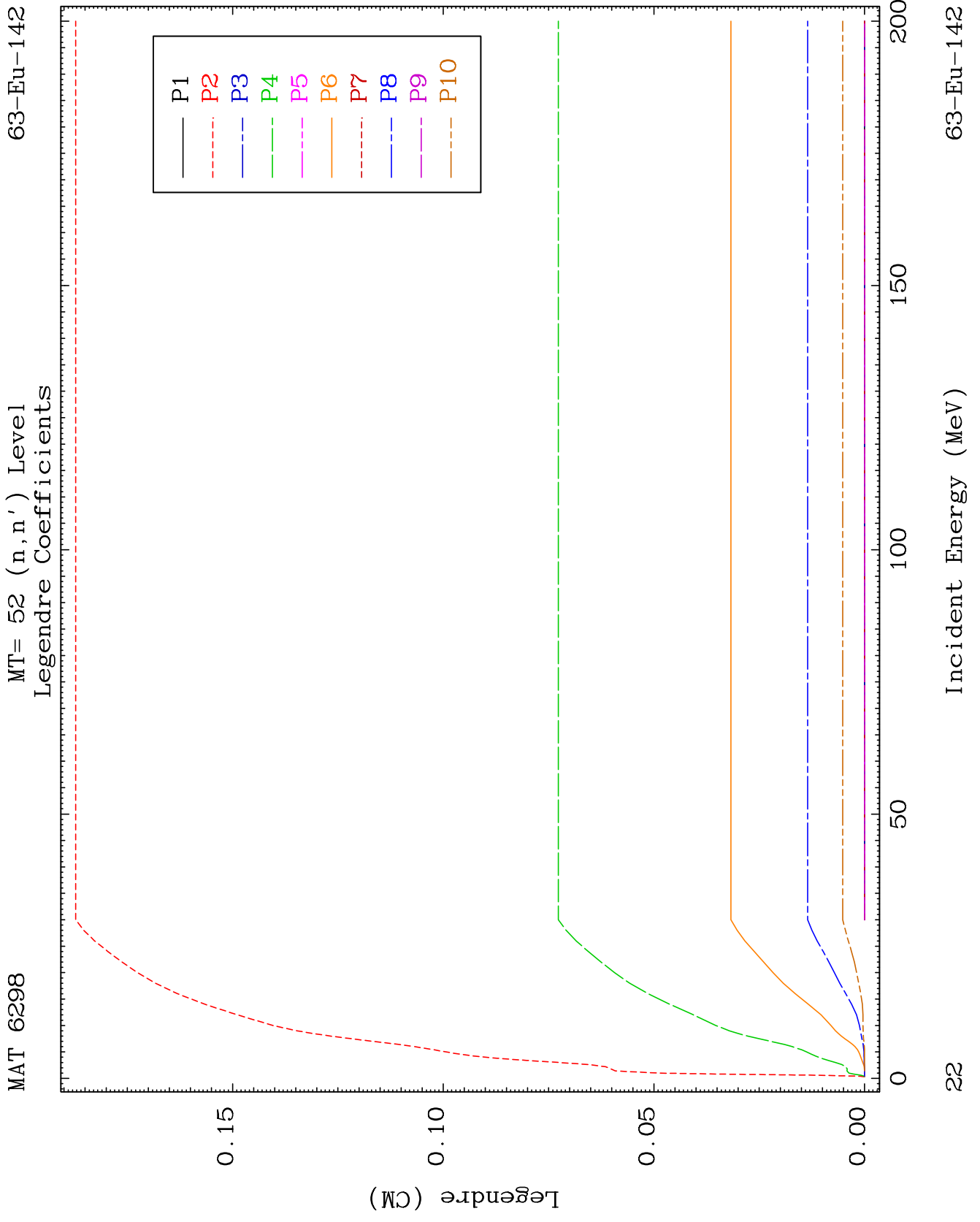
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21

Incident Energy (MeV)

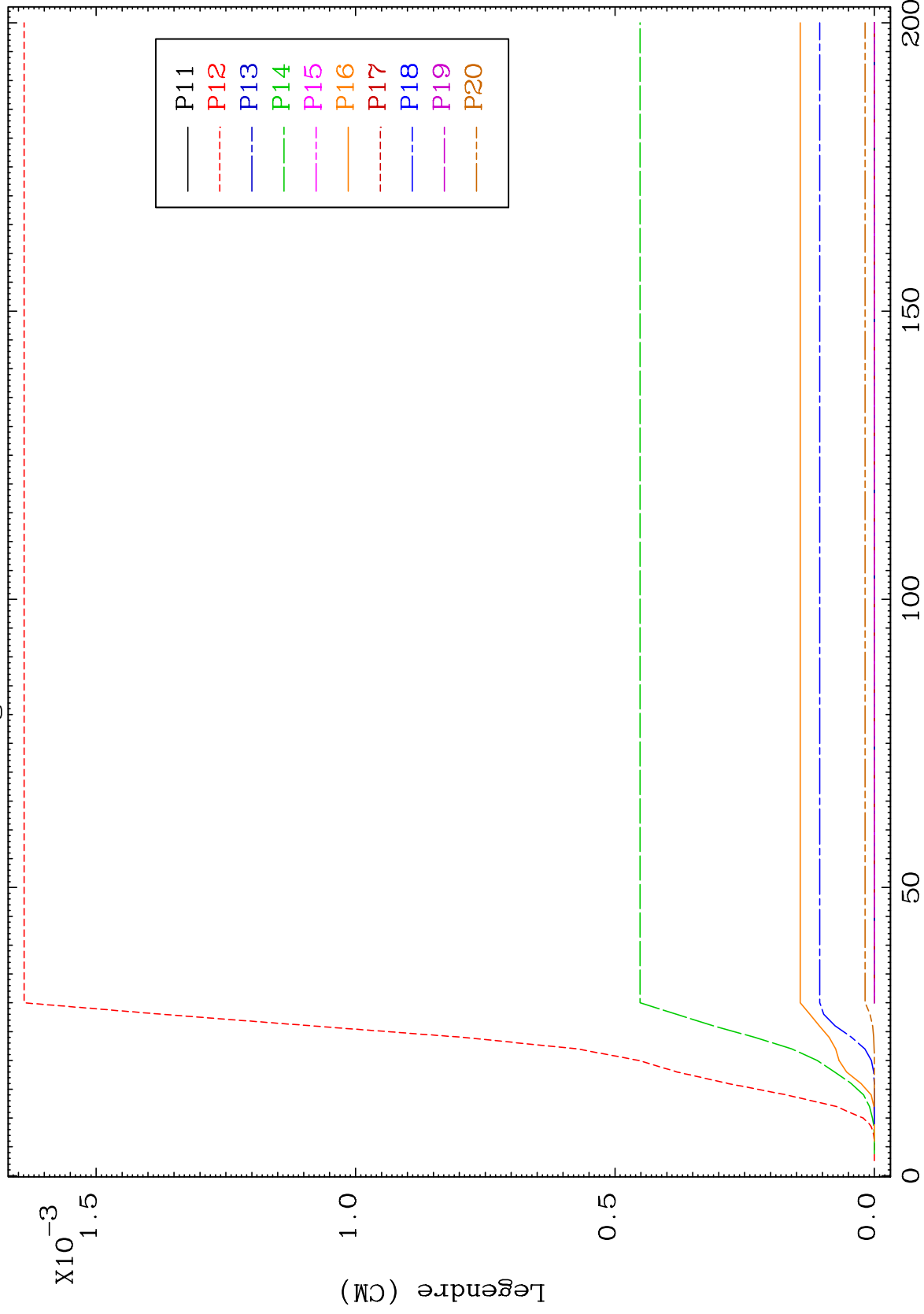
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MAT 6298

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

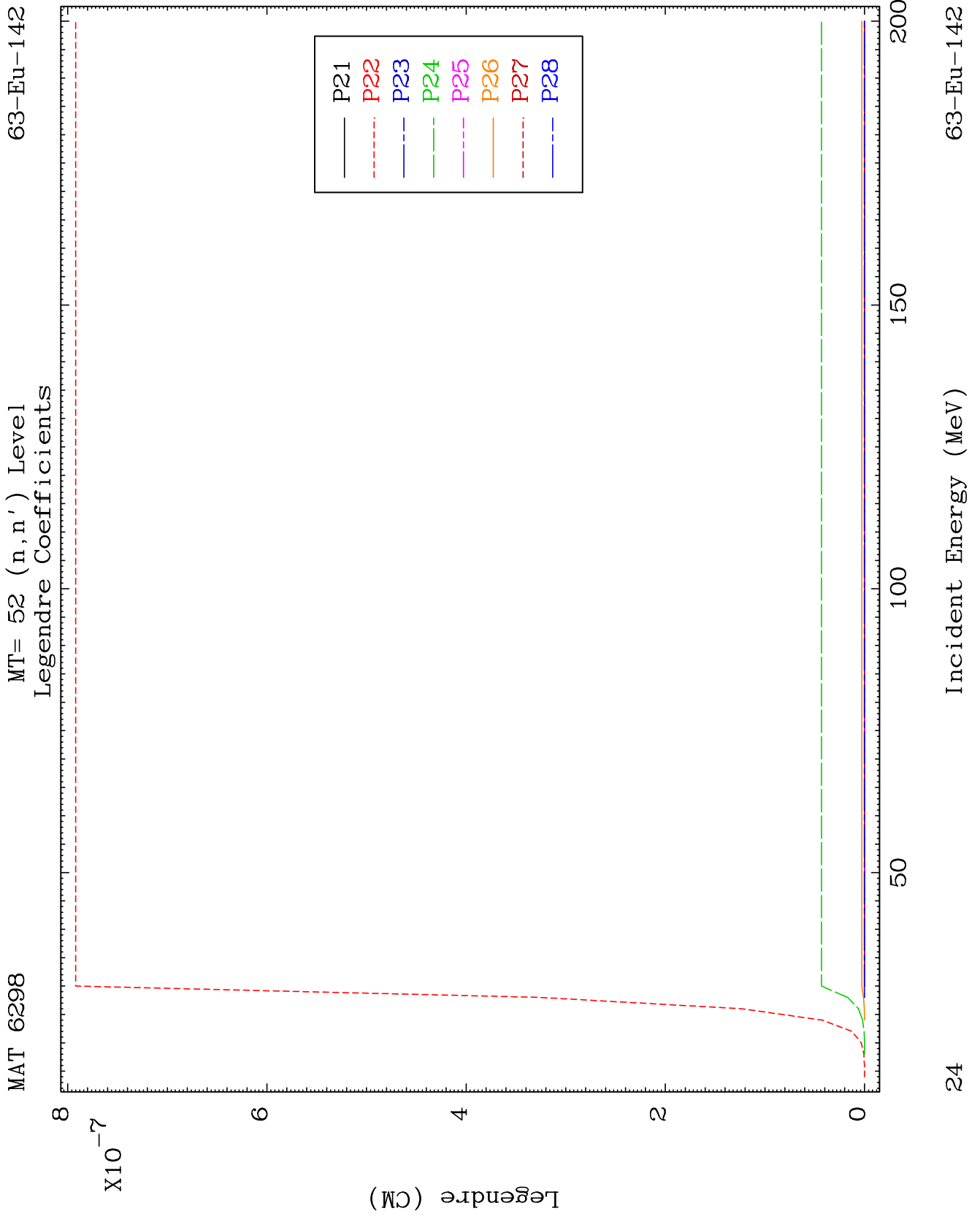
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23

Incident Energy (MeV)

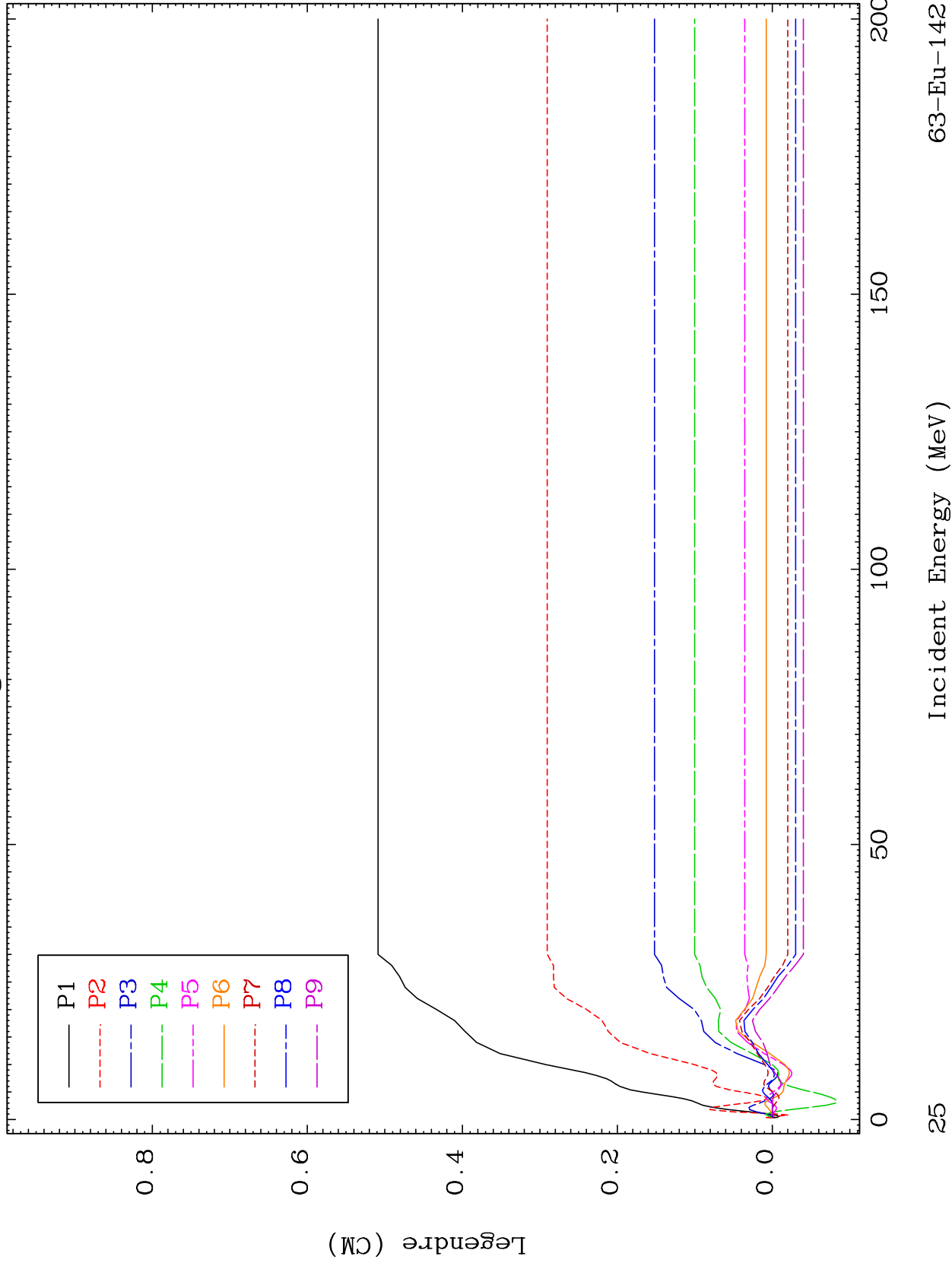
63-Eu-142



MAT 6298

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

63-Eu-142



63-Eu-142

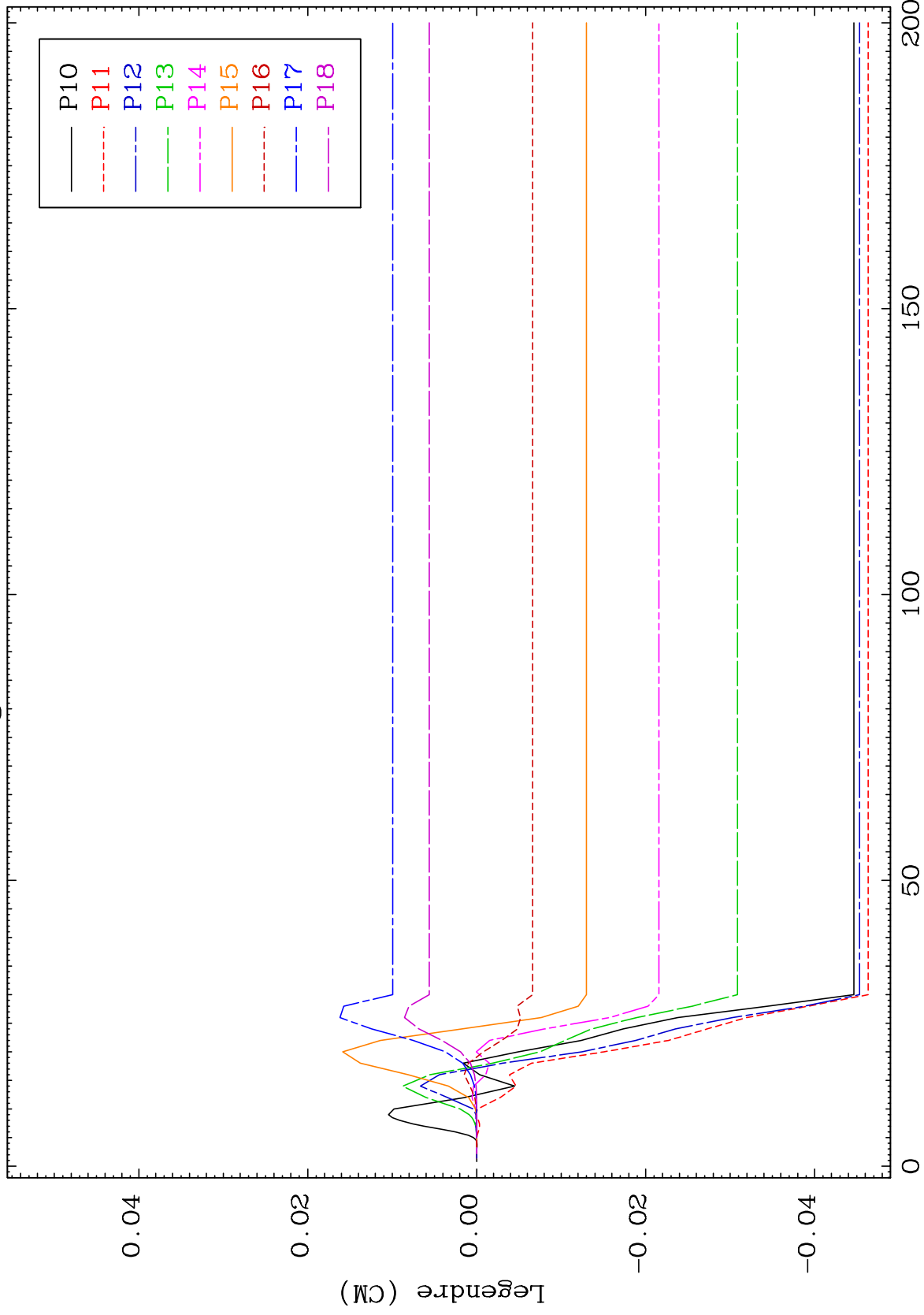
Incident Energy (MeV)

25

MAT 6298

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

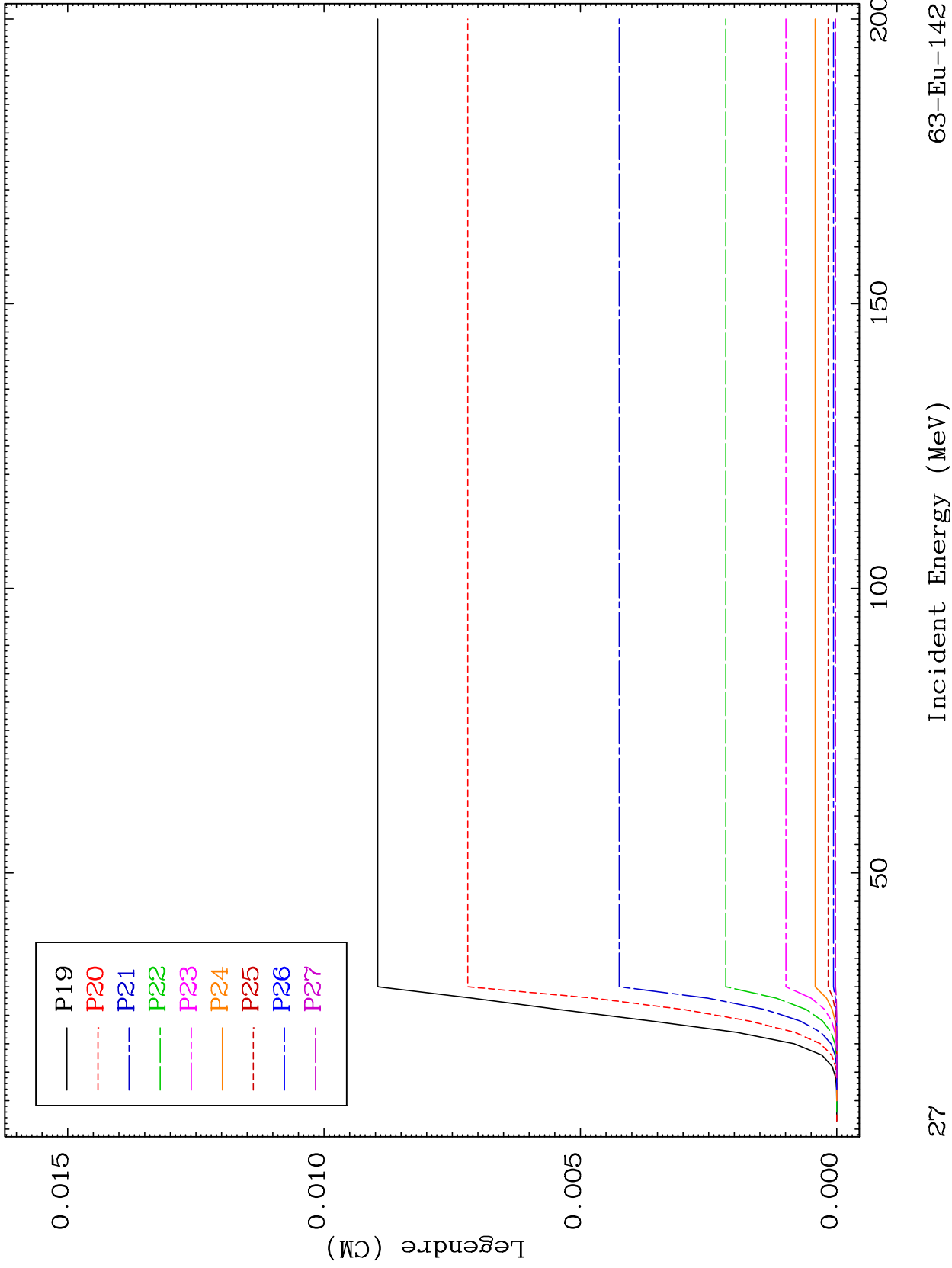
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26

Incident Energy (MeV)

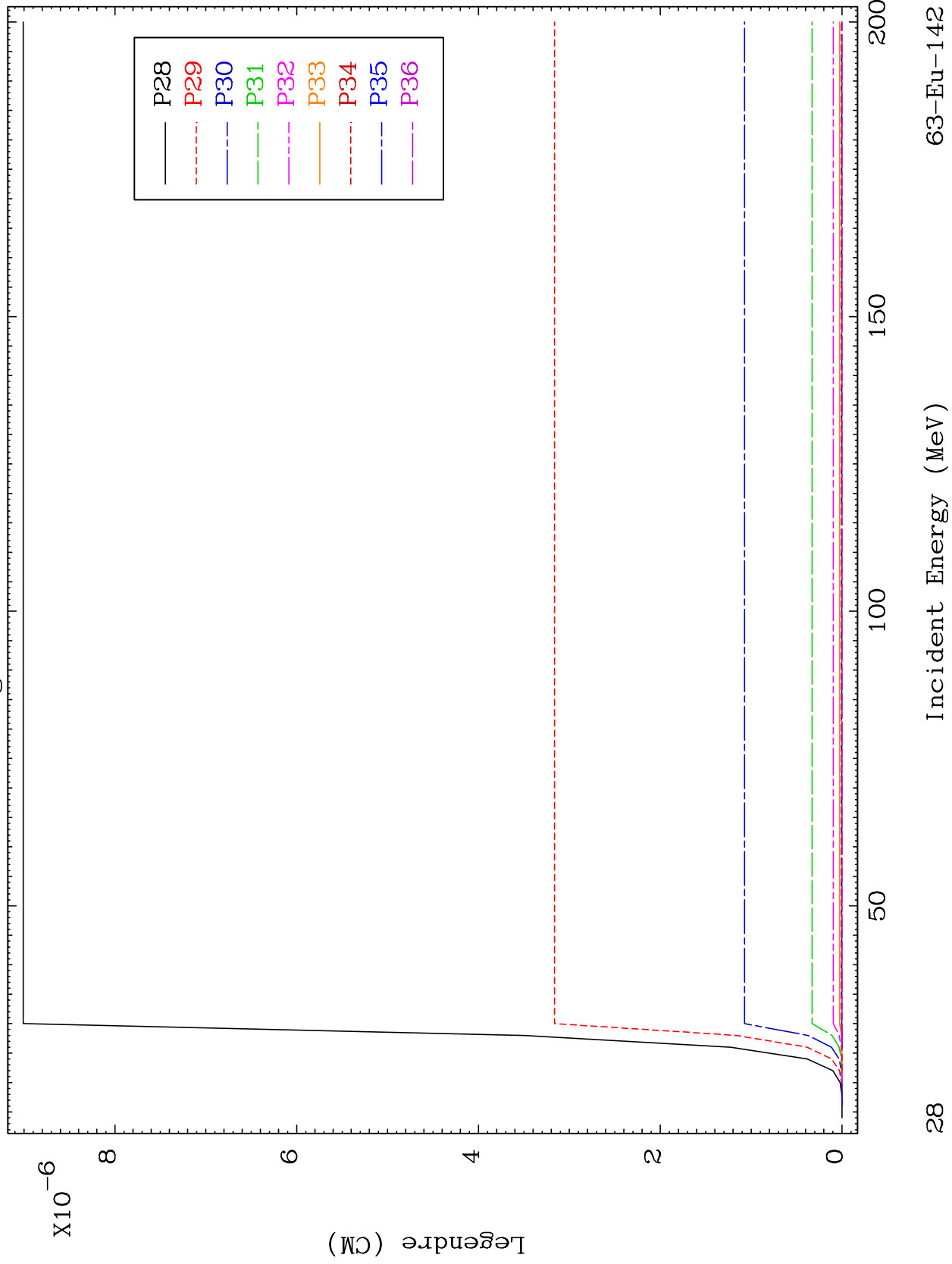
63-Eu-142



MAT 6298

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

63-Eu-142



28

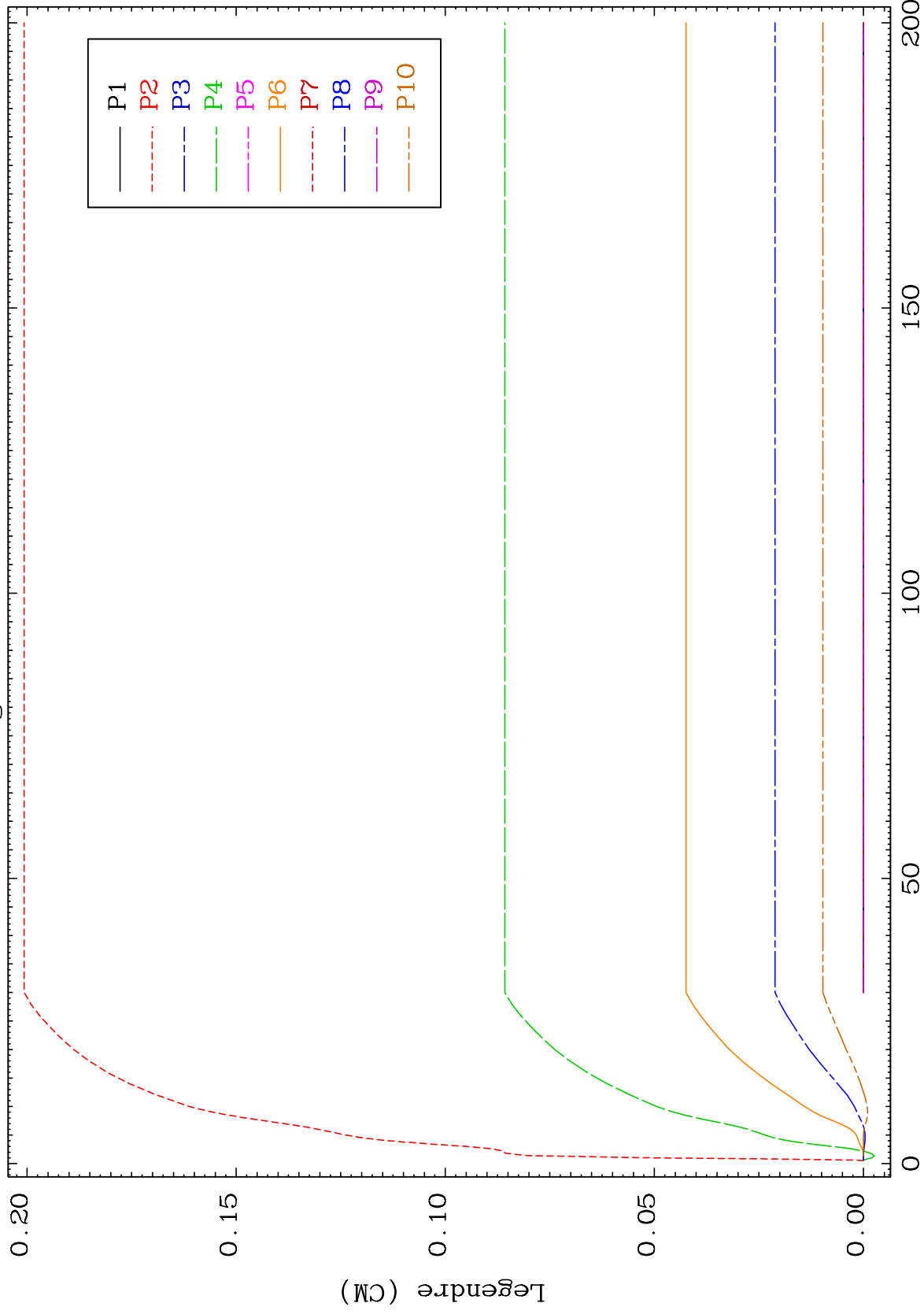
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



29

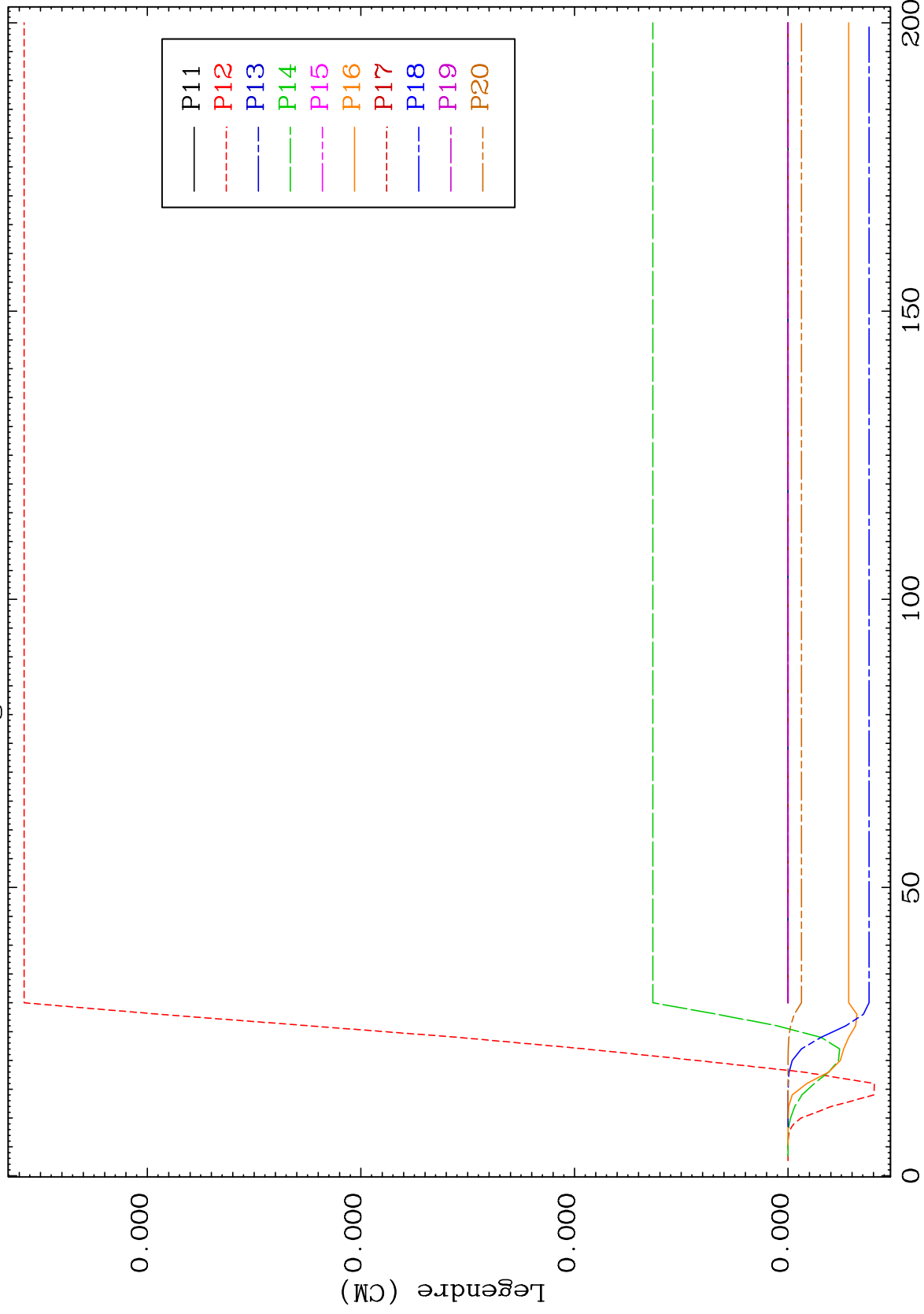
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

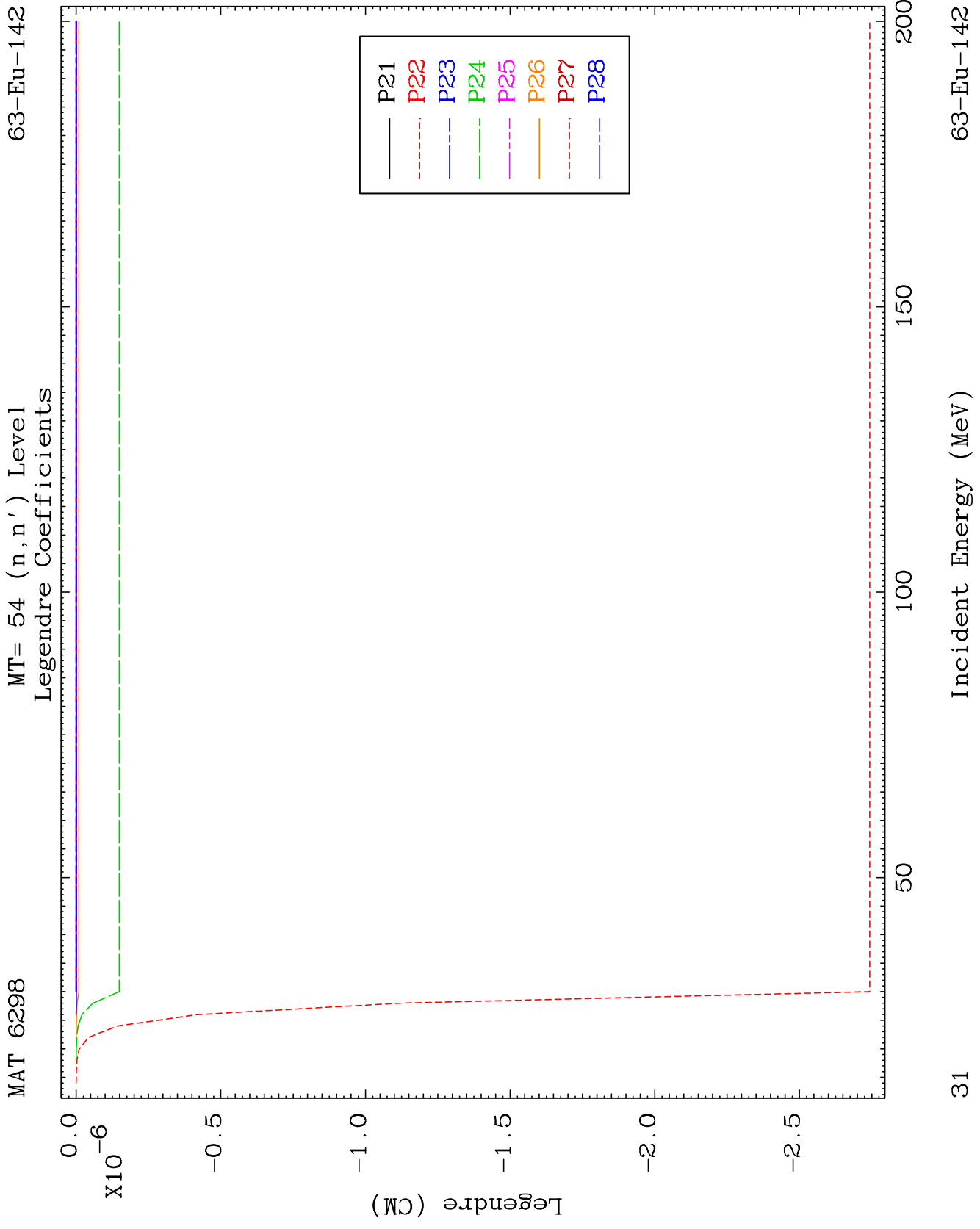
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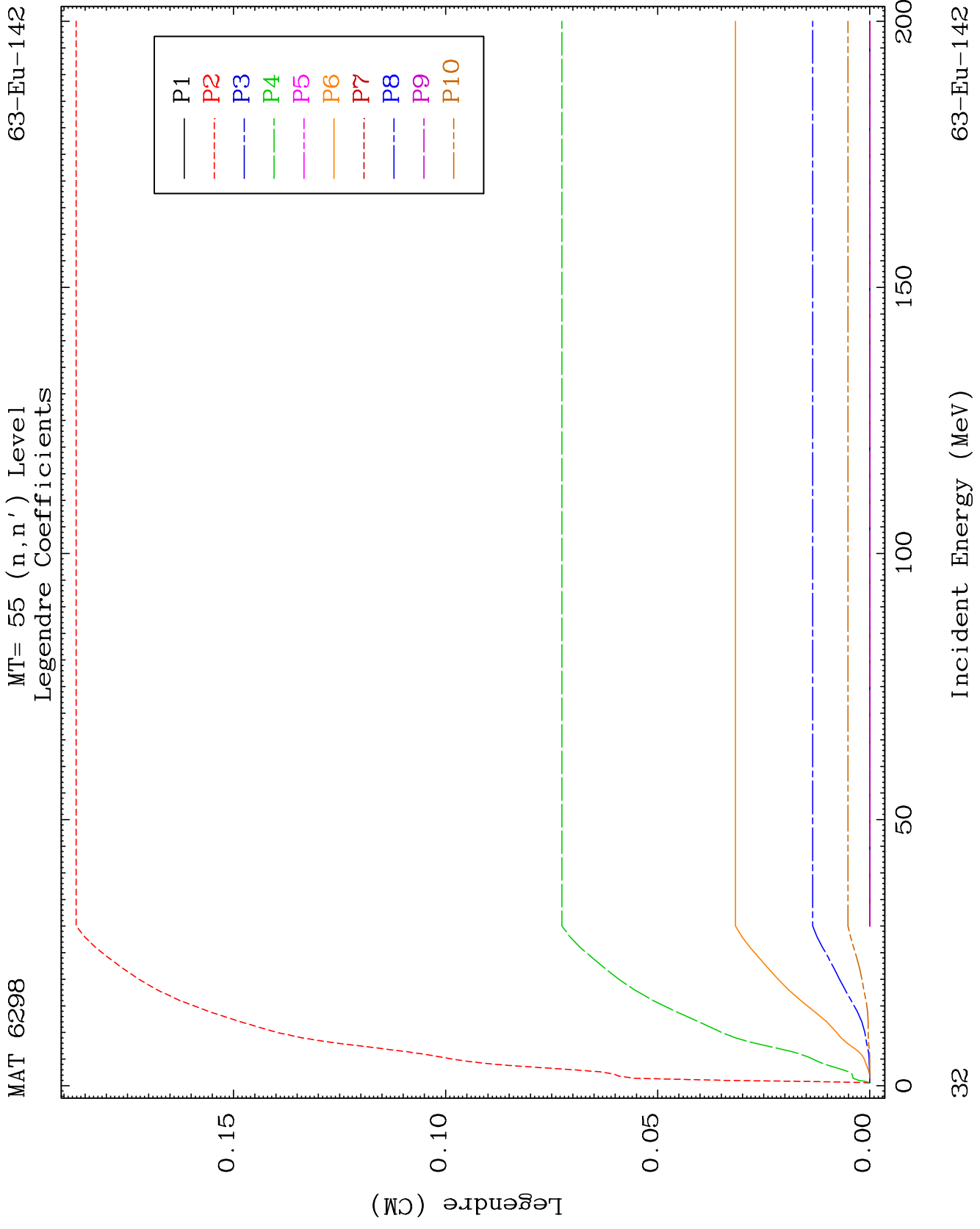


63-Eu-142

Incident Energy (MeV)

30





63-Eu-142

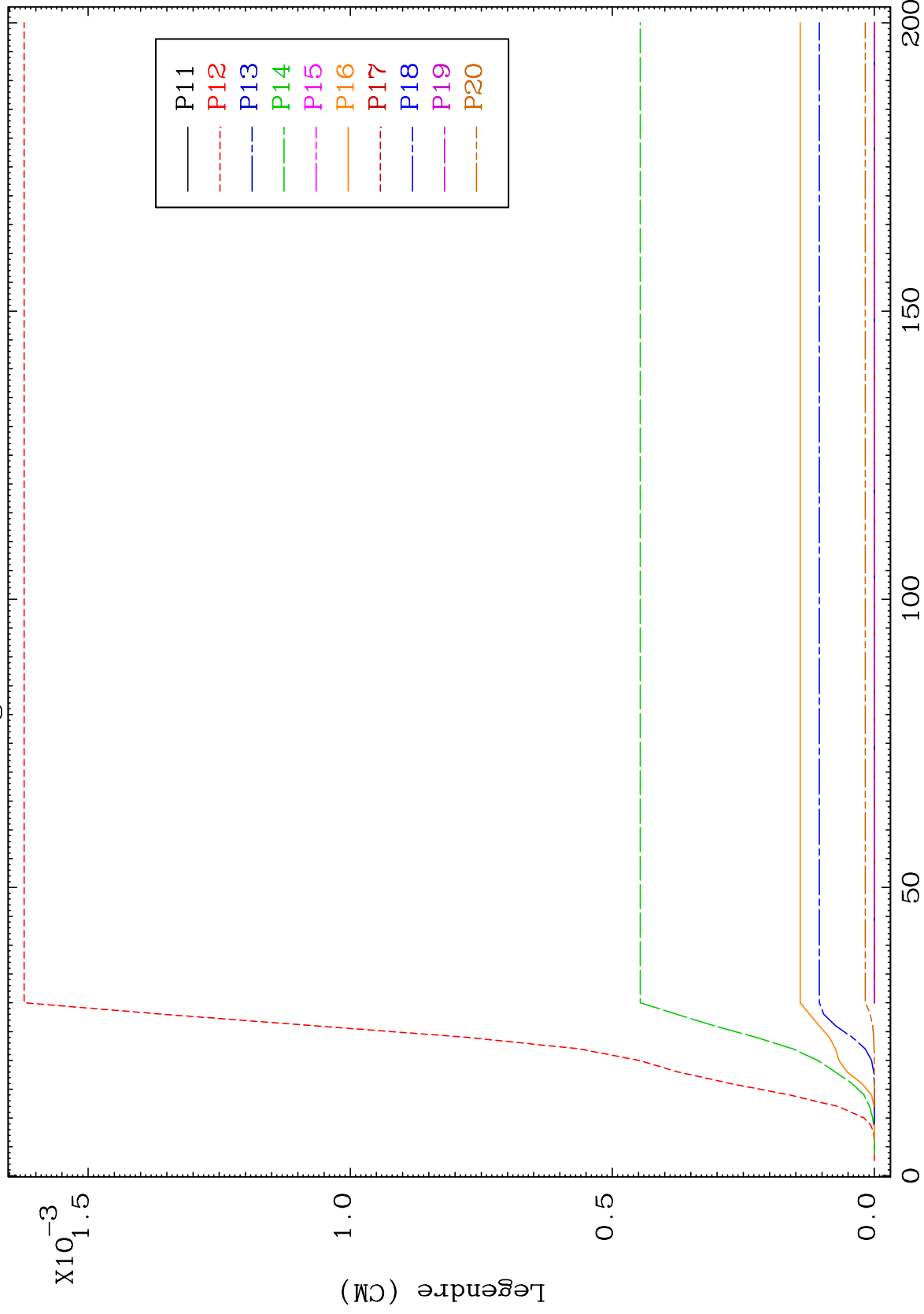
Incident Energy (MeV)

32

MAT 6298

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

63-Eu-142



33

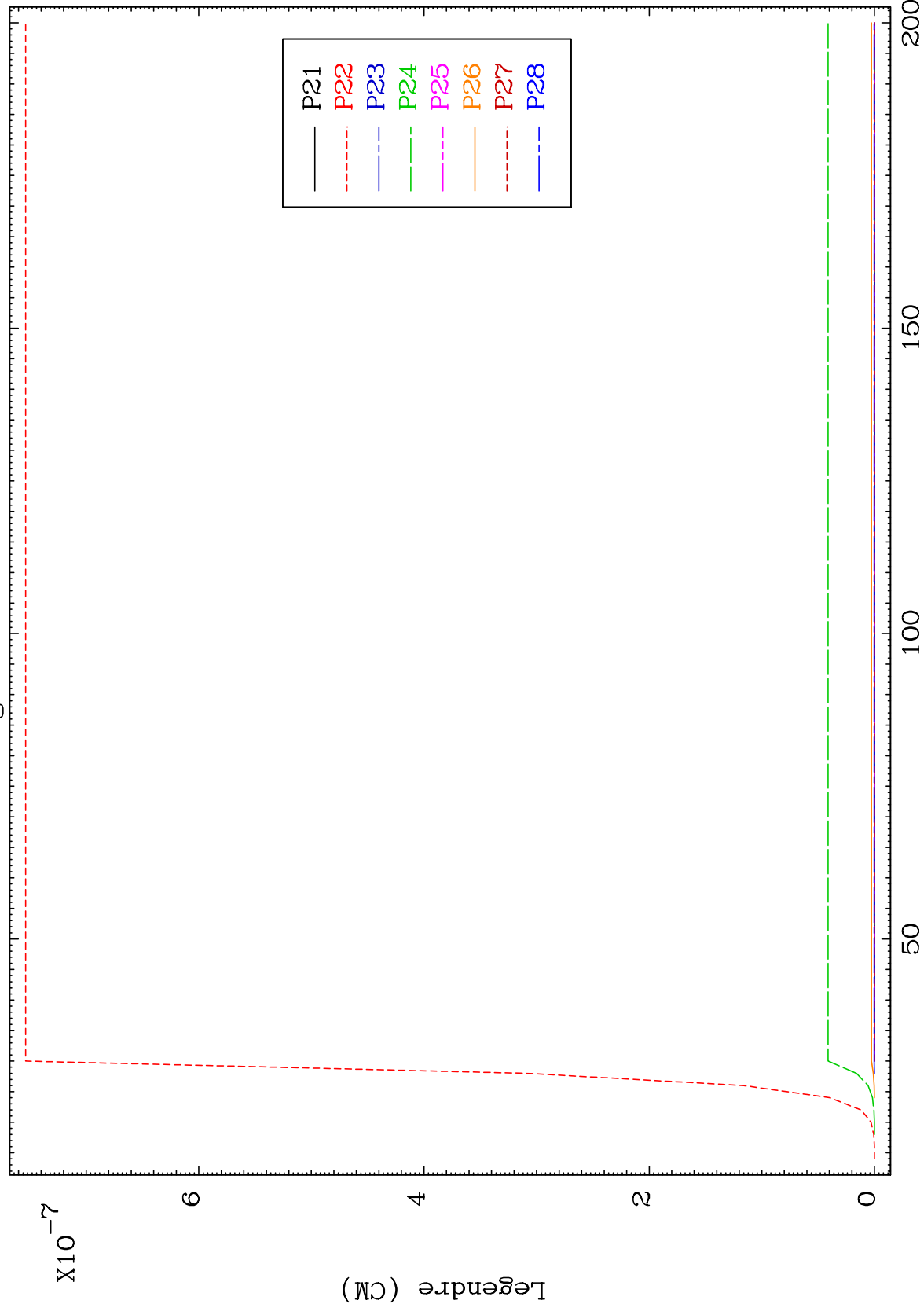
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

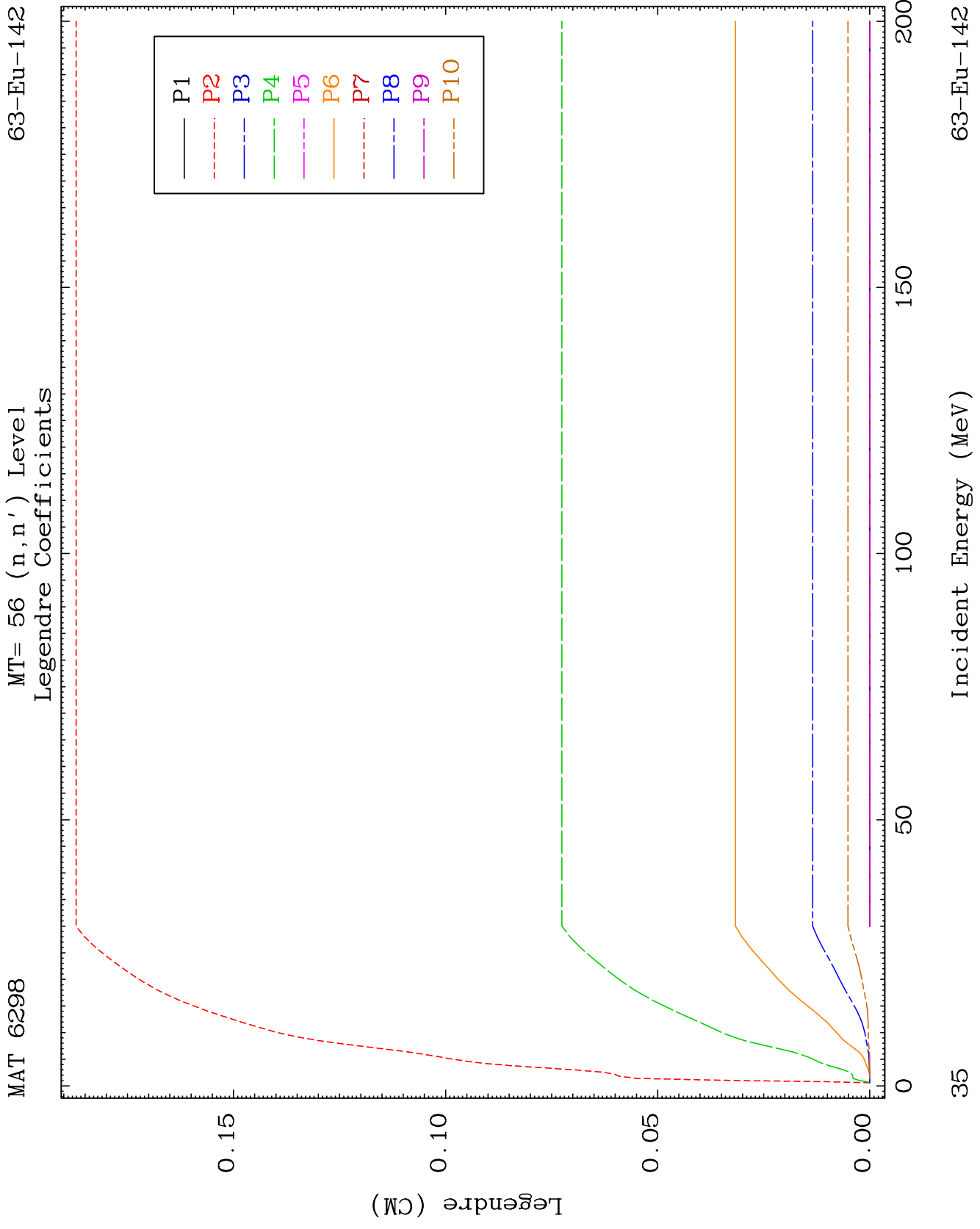
63-Eu-142



34

Incident Energy (MeV)

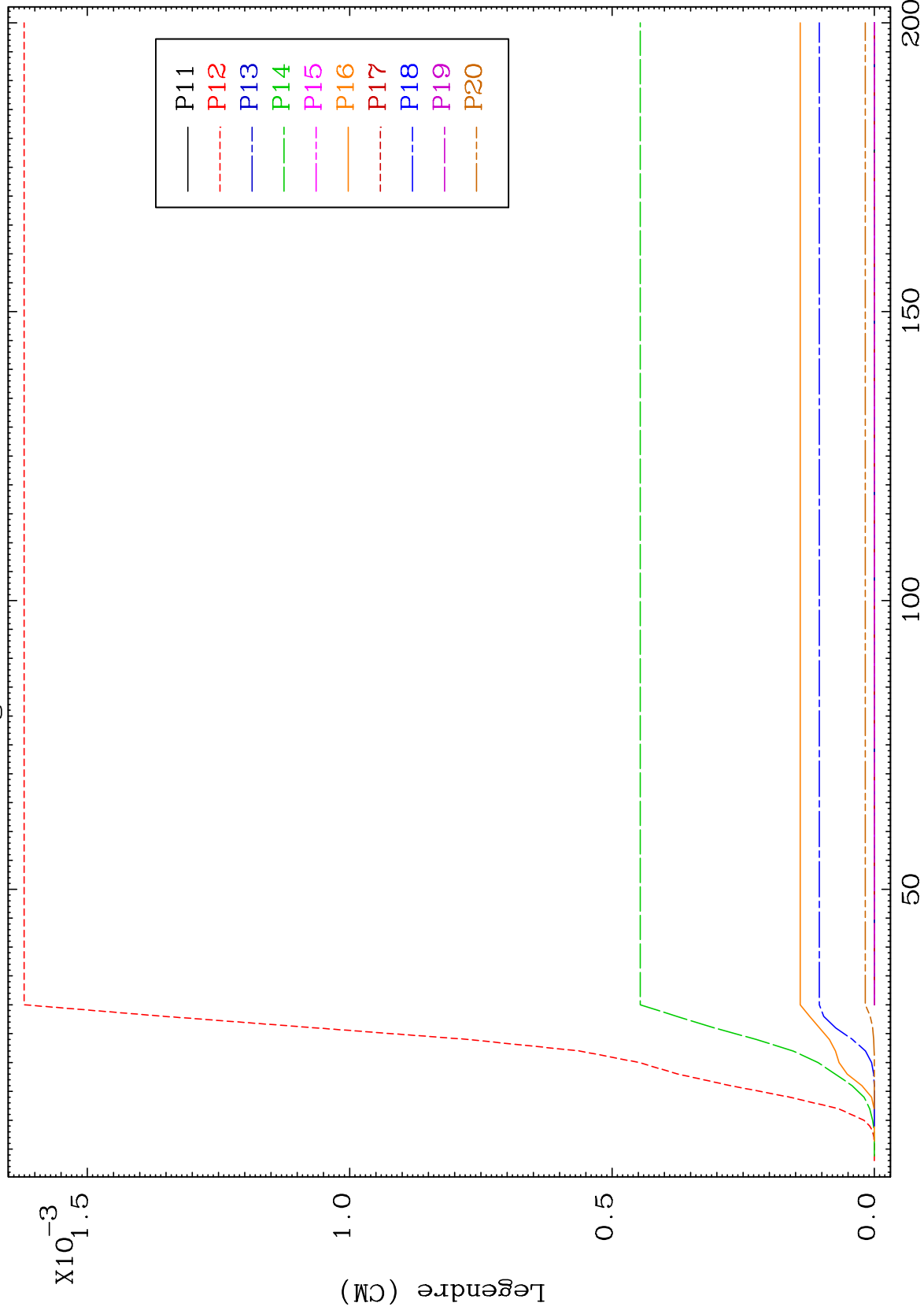
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MAT 6298

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

63-Eu-142



36

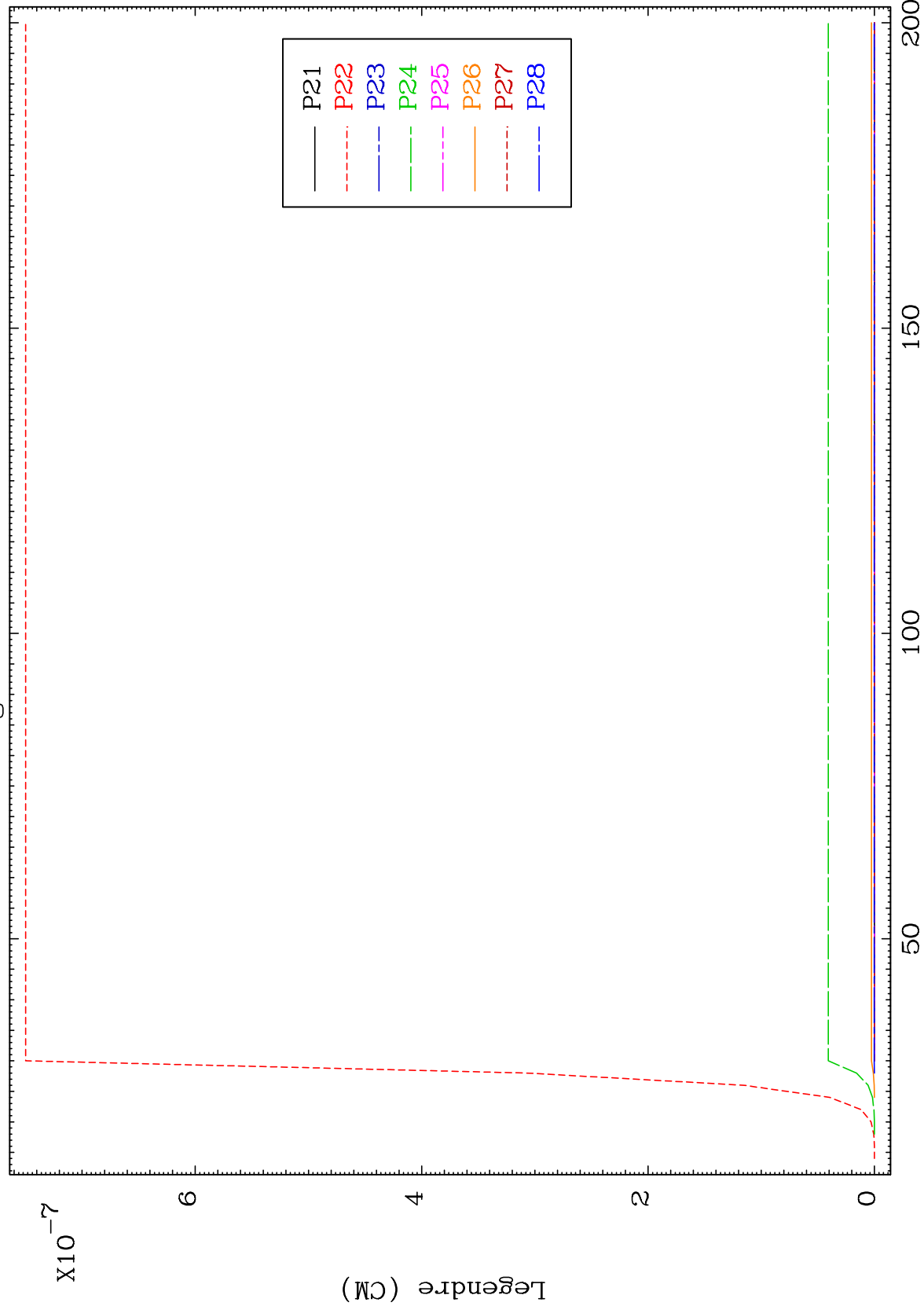
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

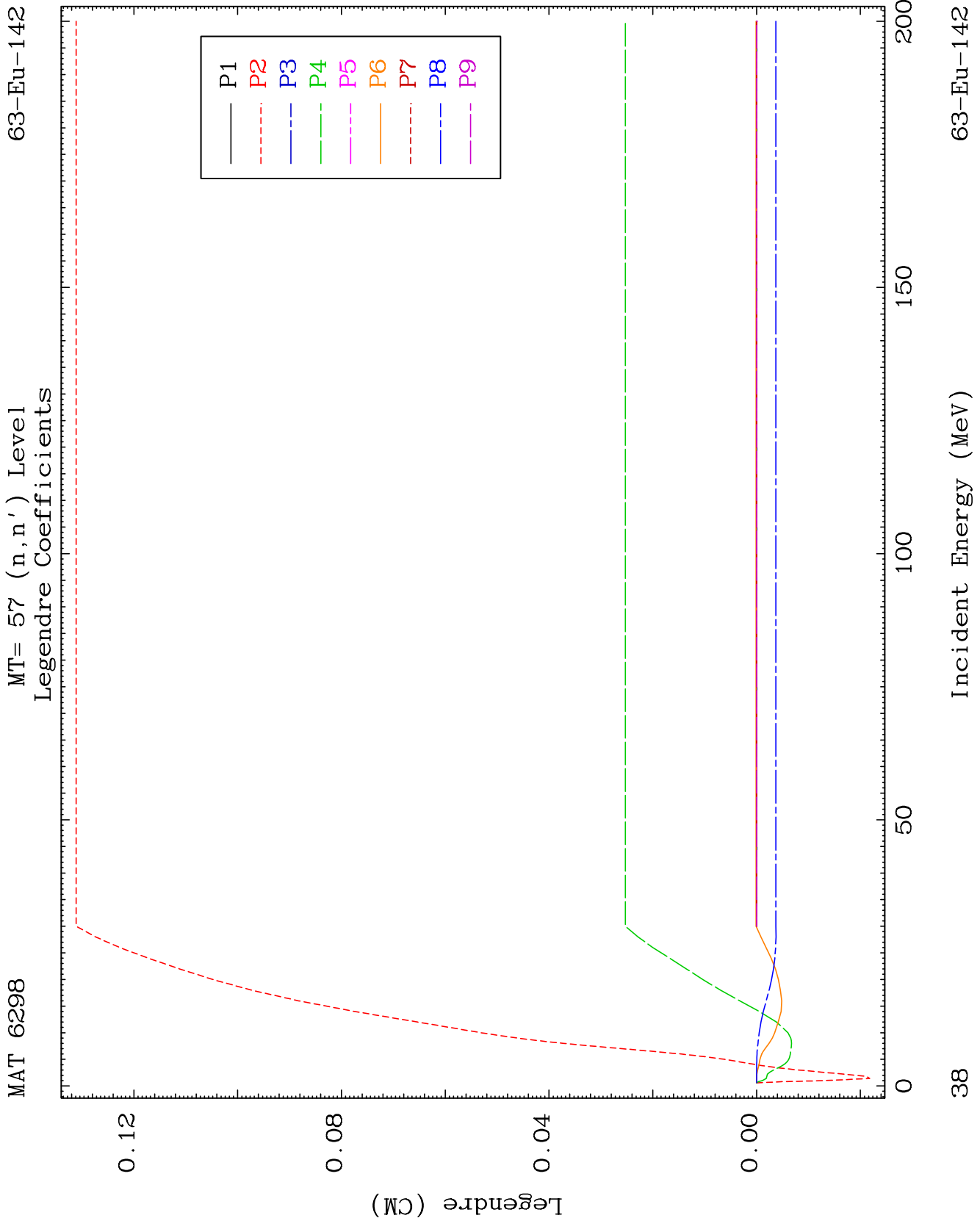
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37

Incident Energy (MeV)

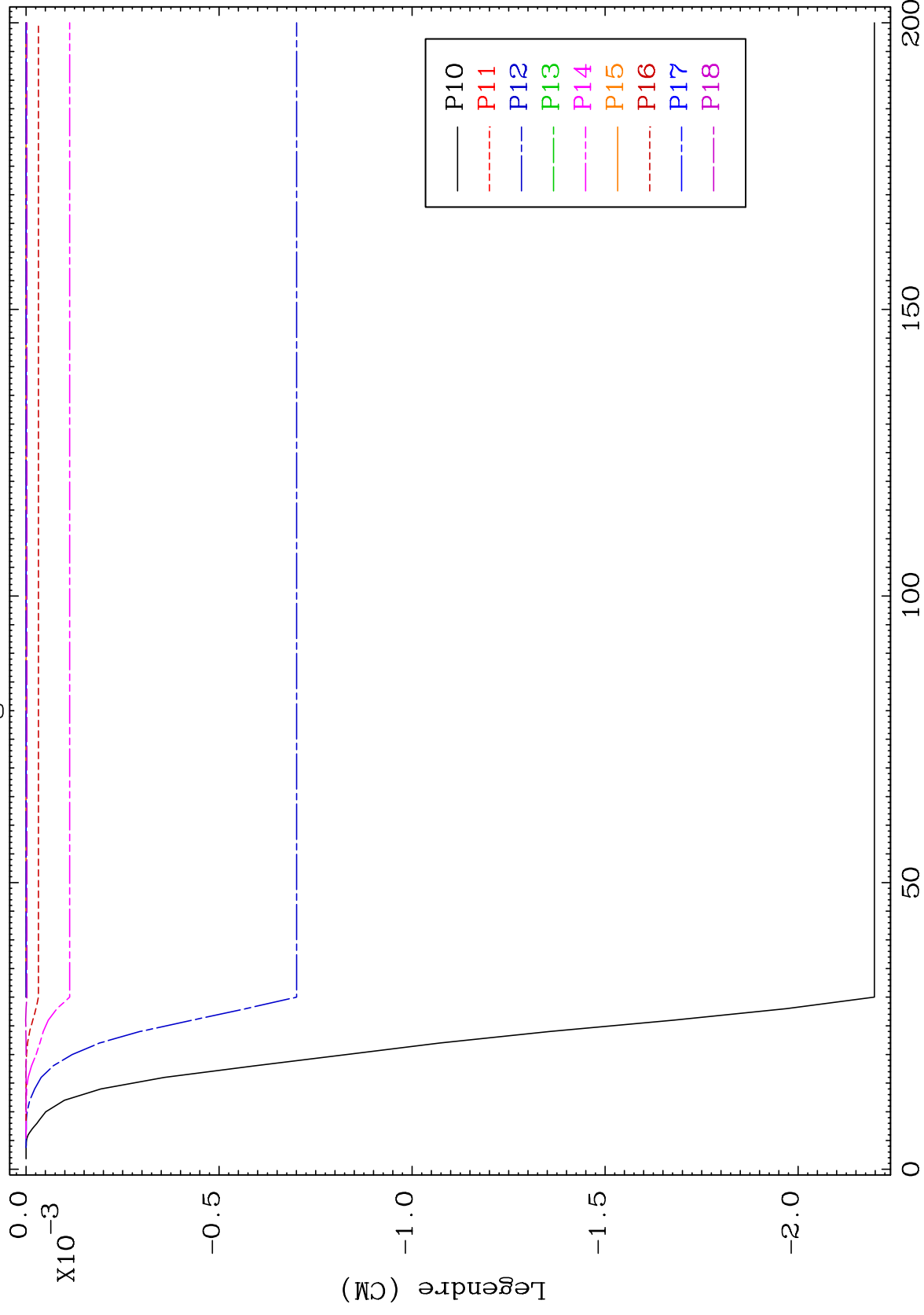
63-Eu-142



MAT 6298

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

63-Eu-142



39

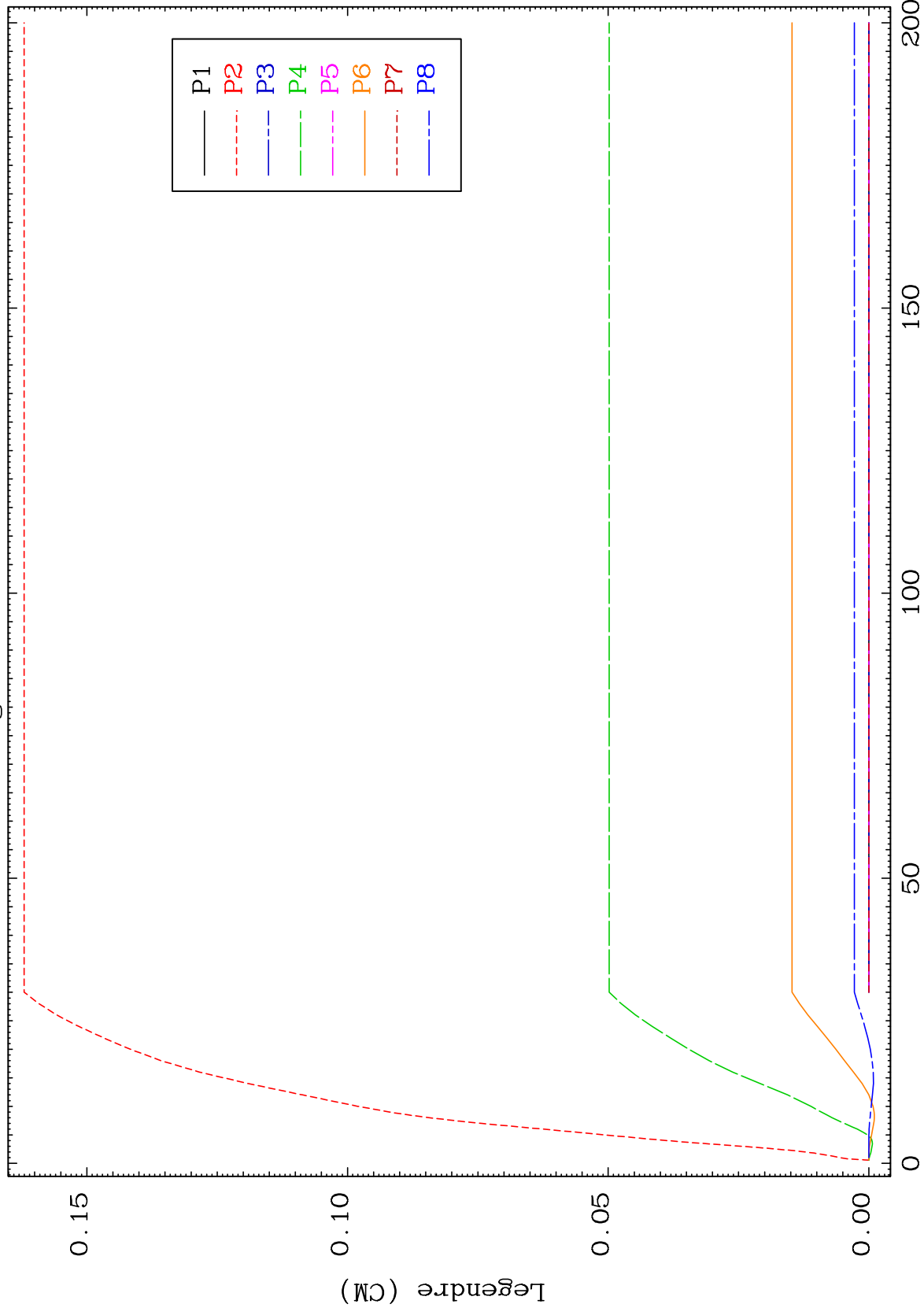
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



41

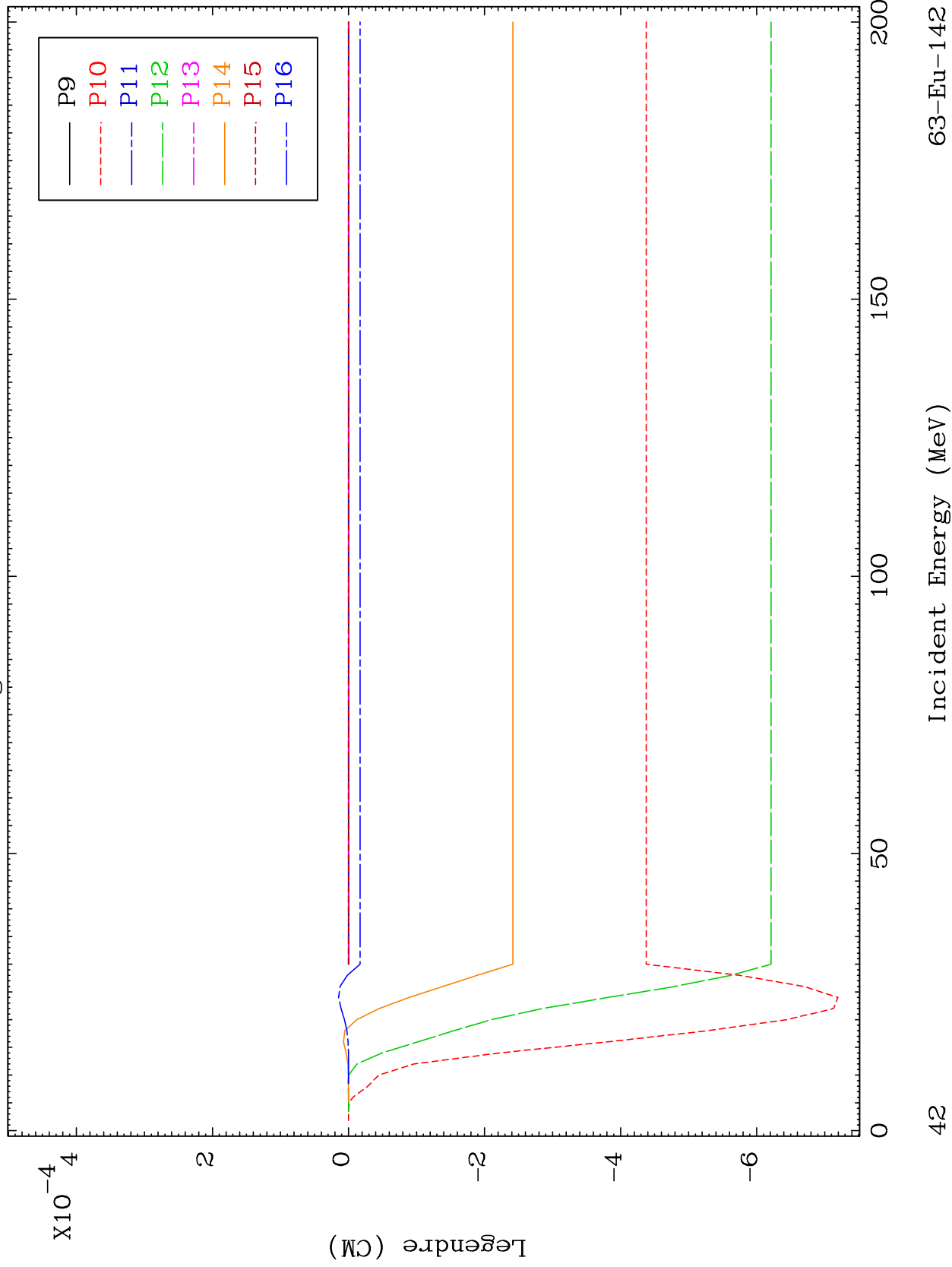
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

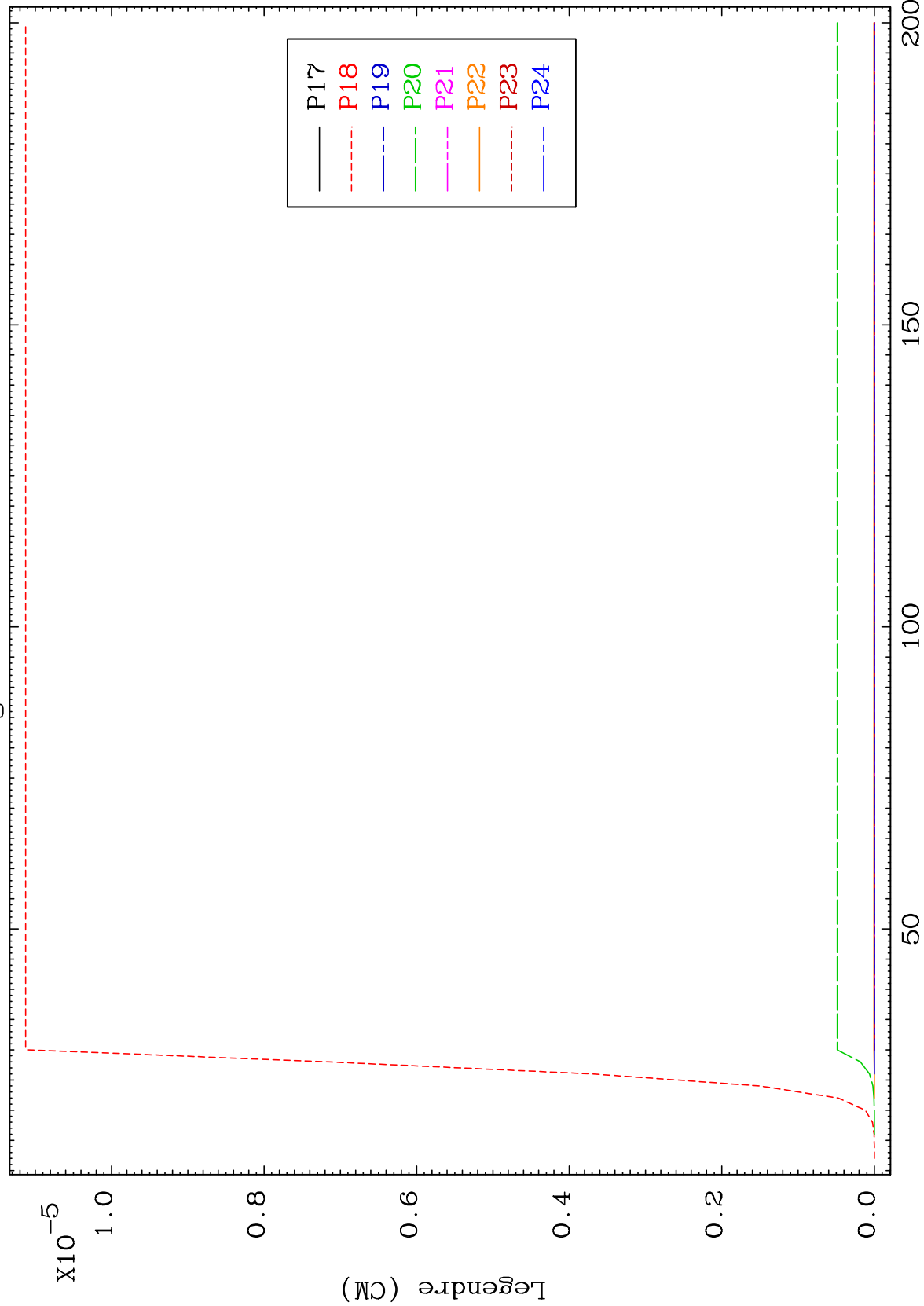
63-Eu-142



MAT 6298

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

63-Eu-142



63-Eu-142

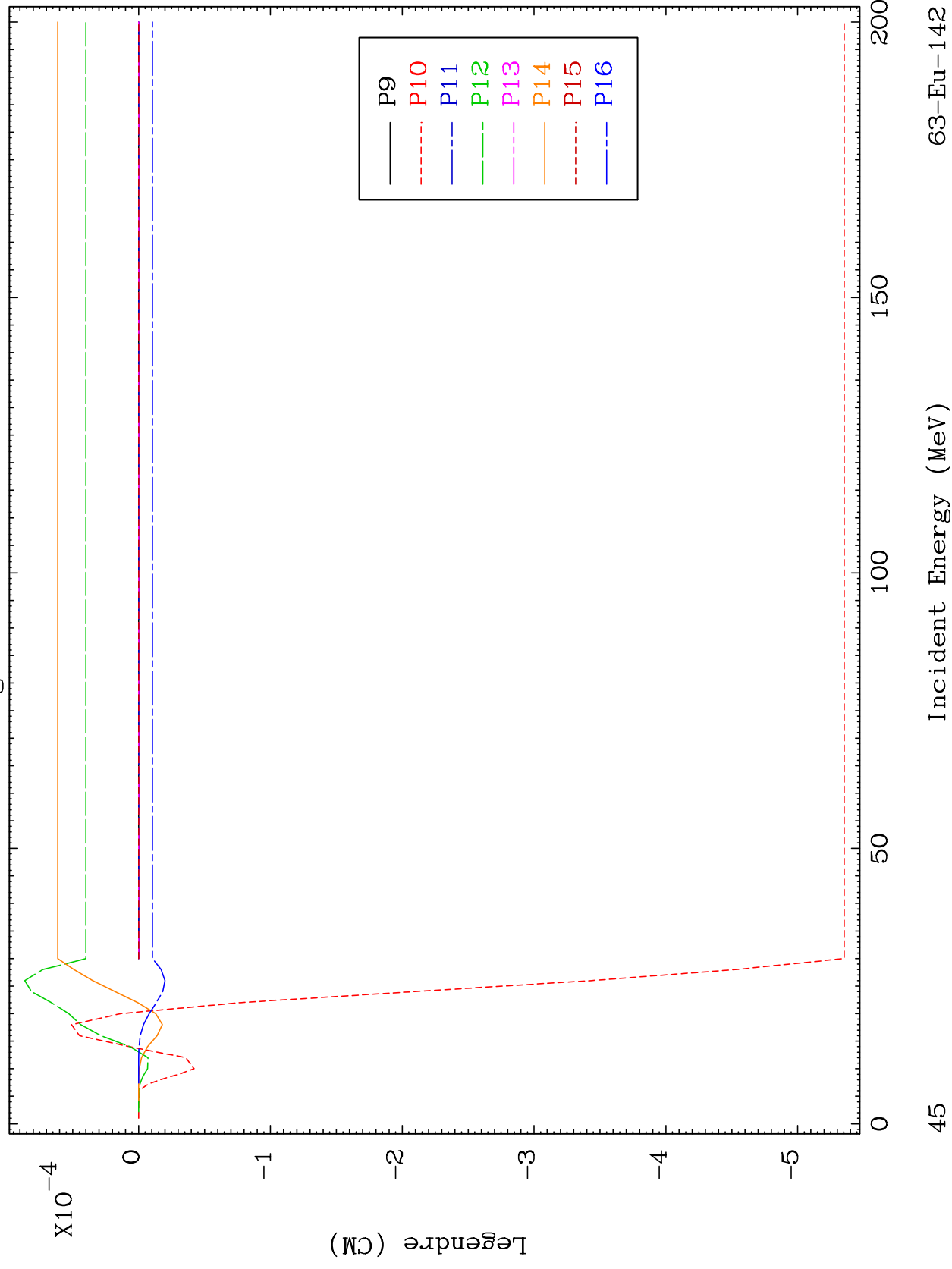
Incident Energy (MeV)

43

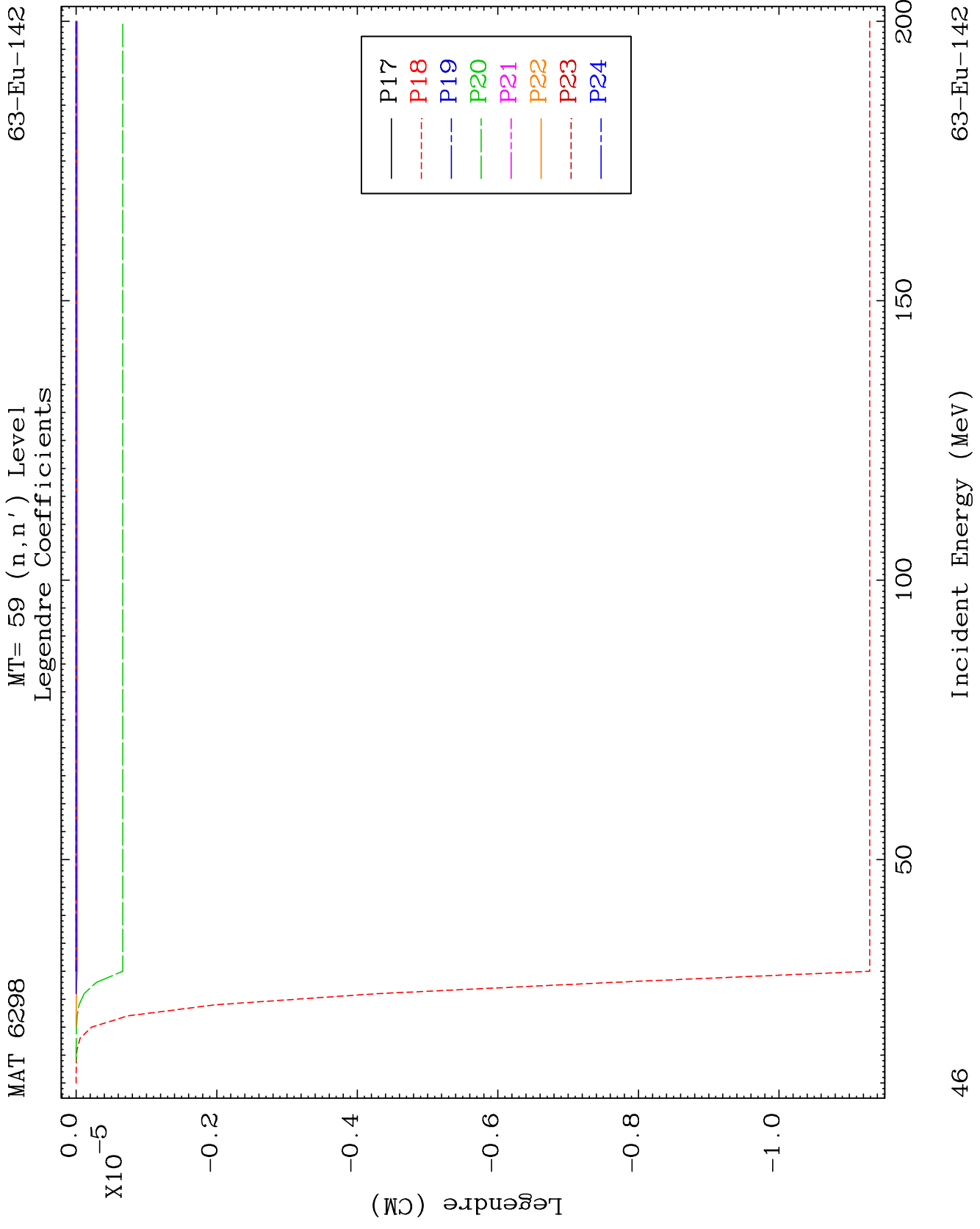
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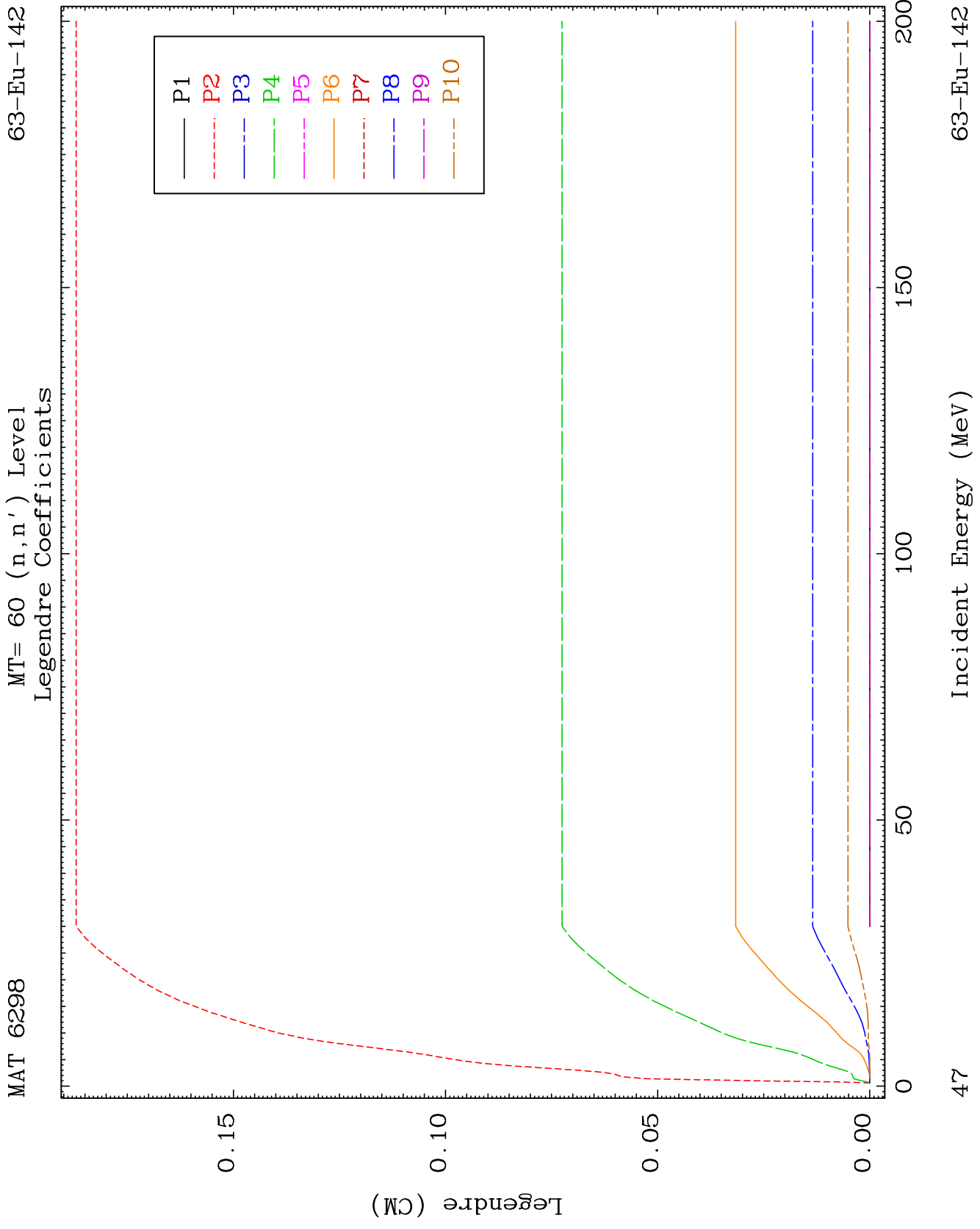
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Legendre Coefficients

63-Eu-142



63-Eu-142

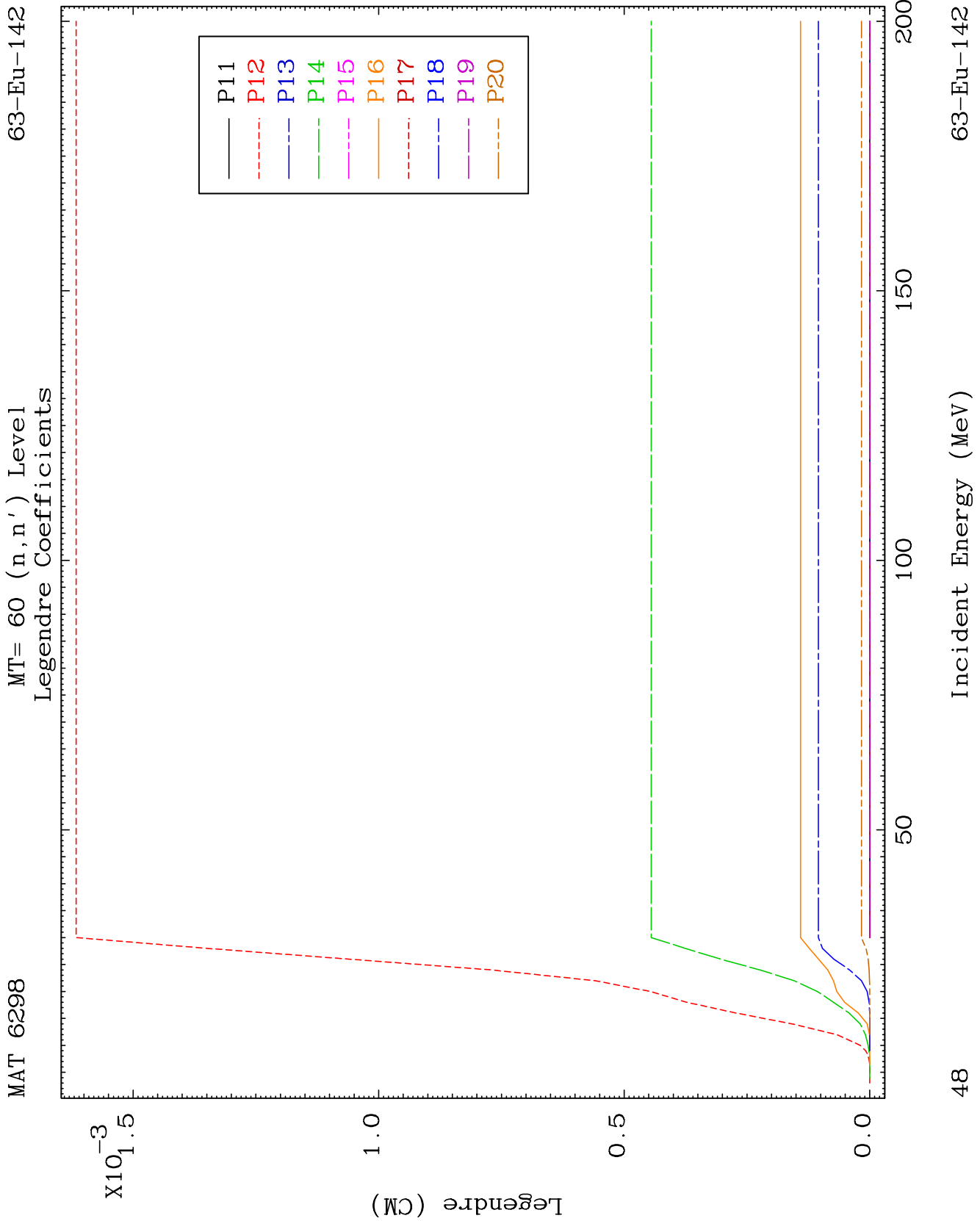


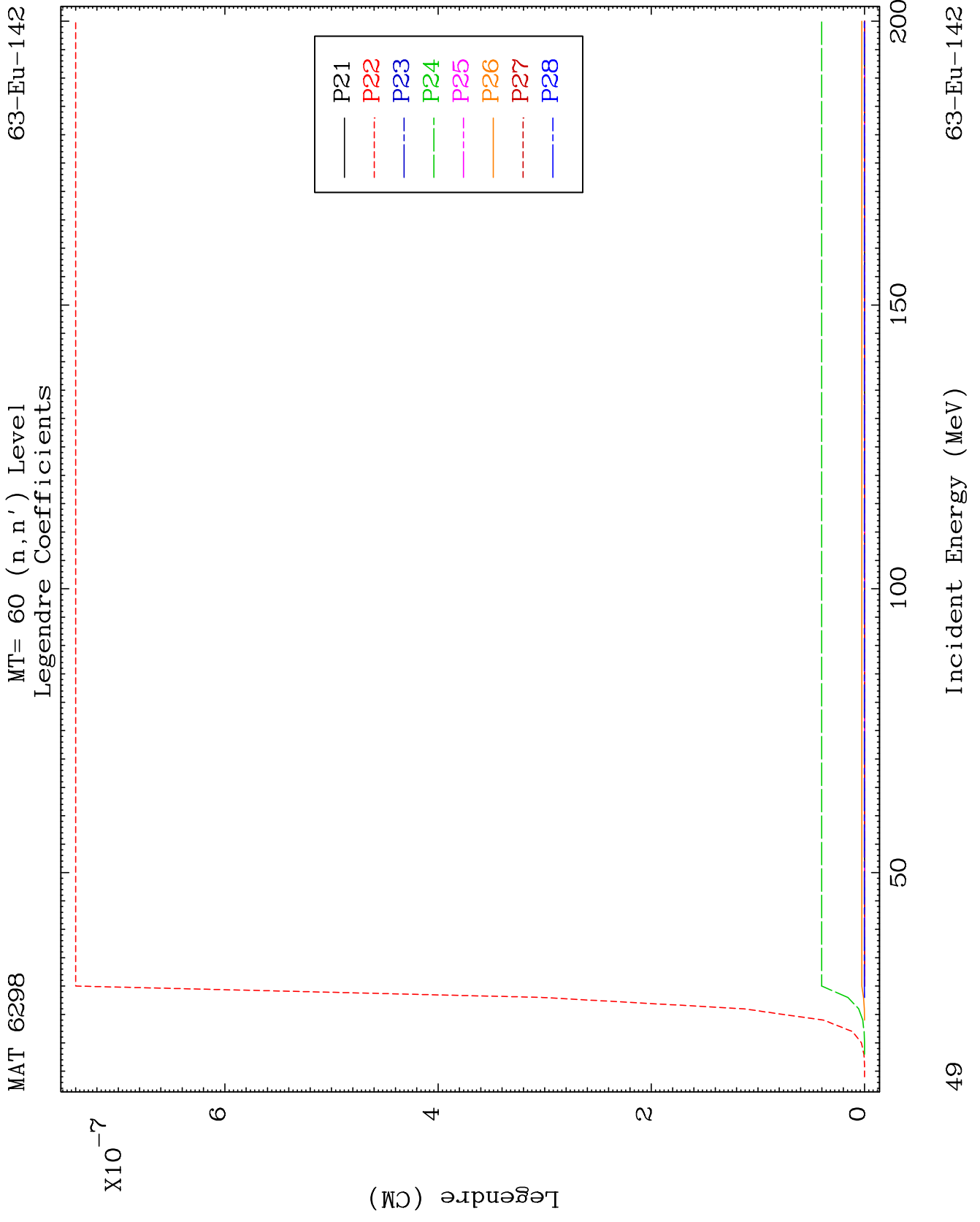


63-Eu-142

Incident Energy (MeV)

47

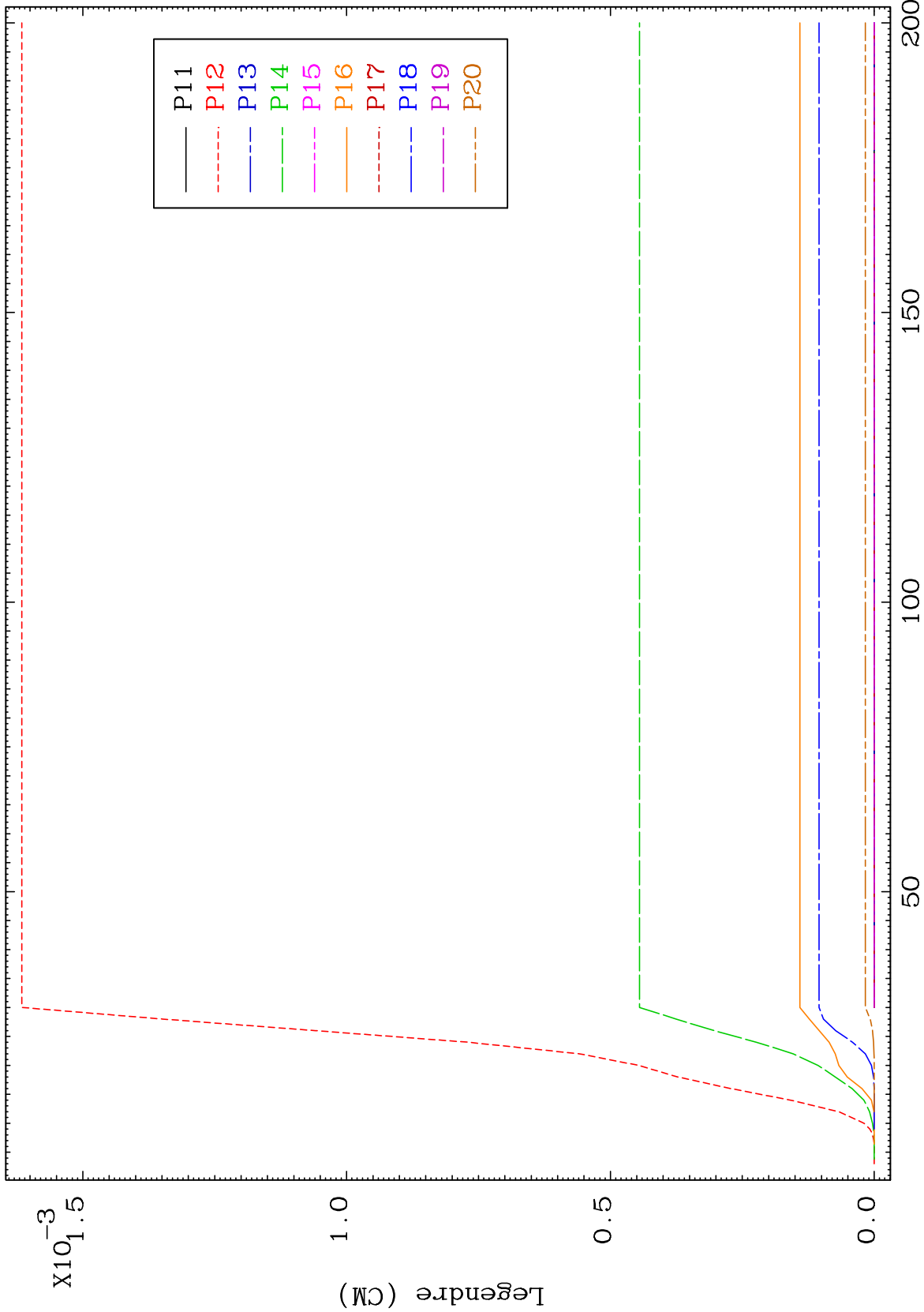




MAT 6298

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

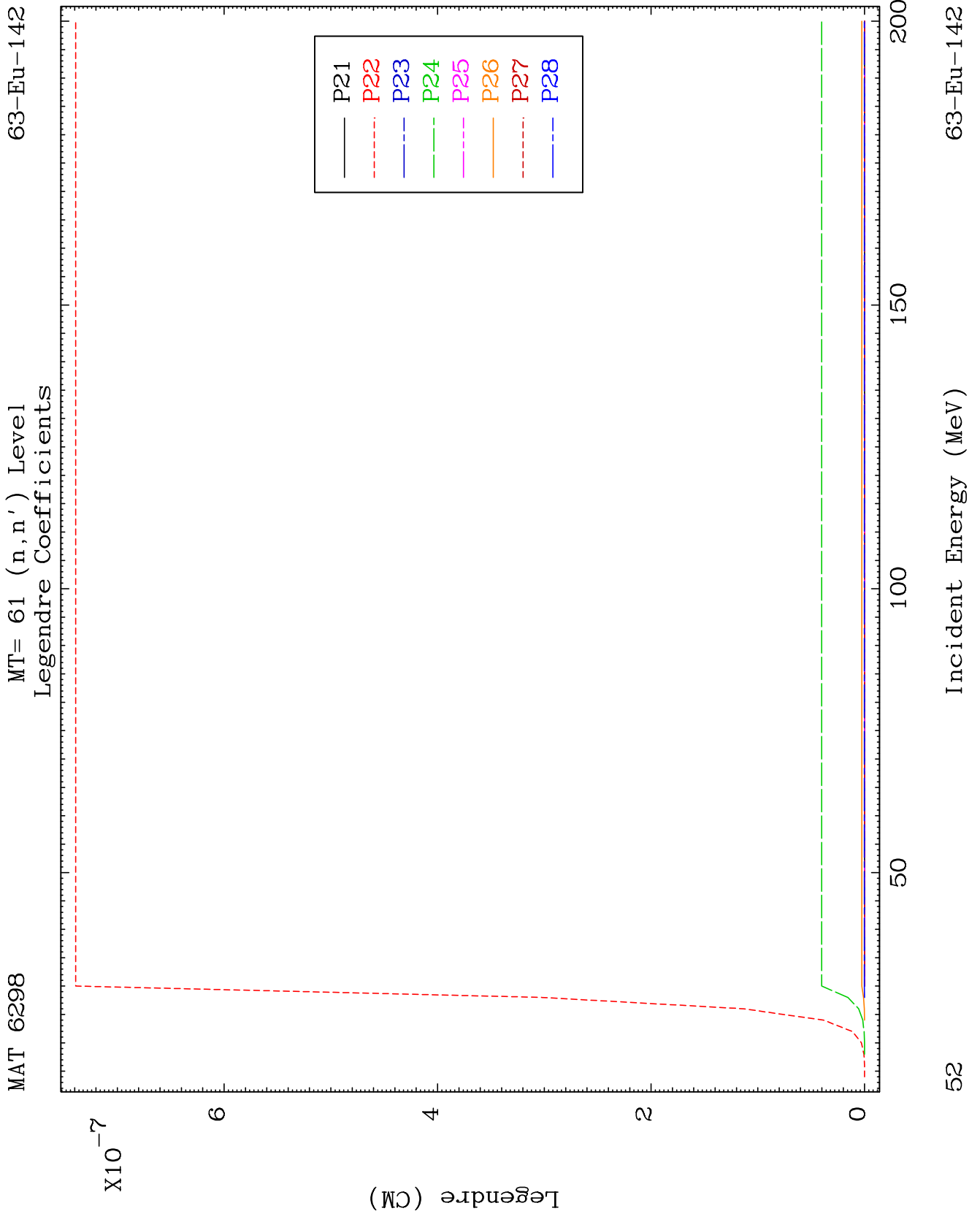
63-Eu-142



51

Incident Energy (MeV)

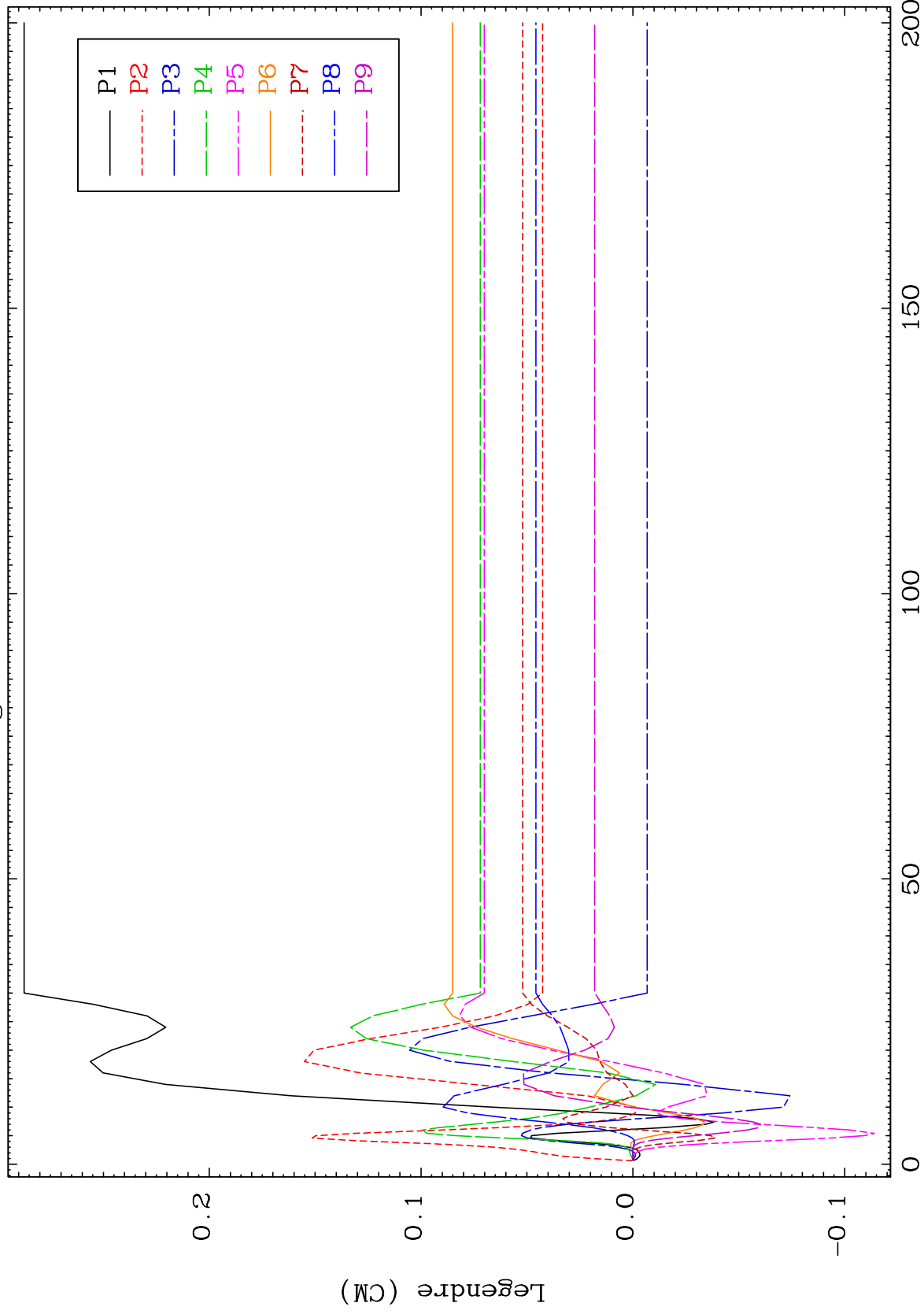
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MAT 6298

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

63-Eu-142



53

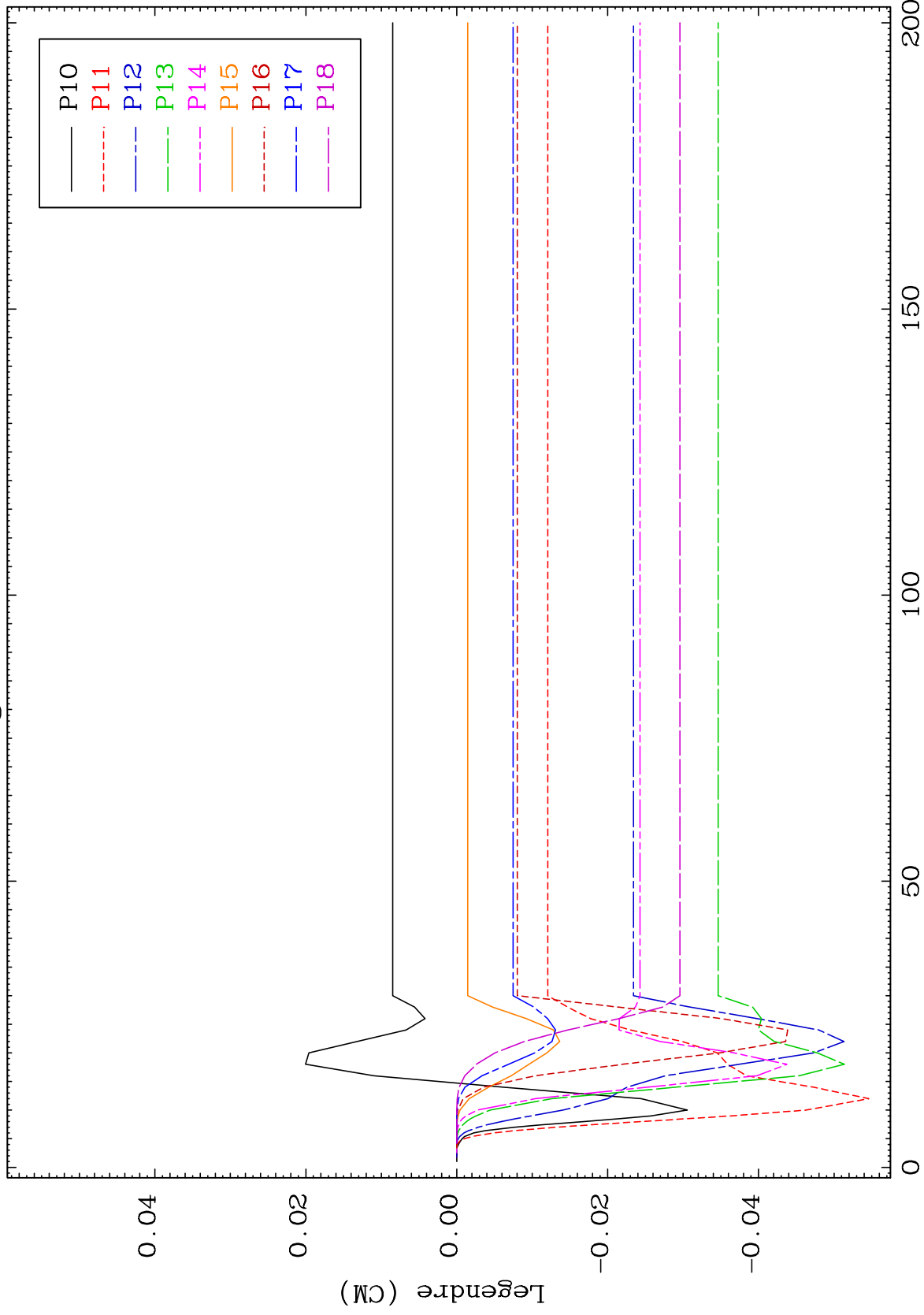
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

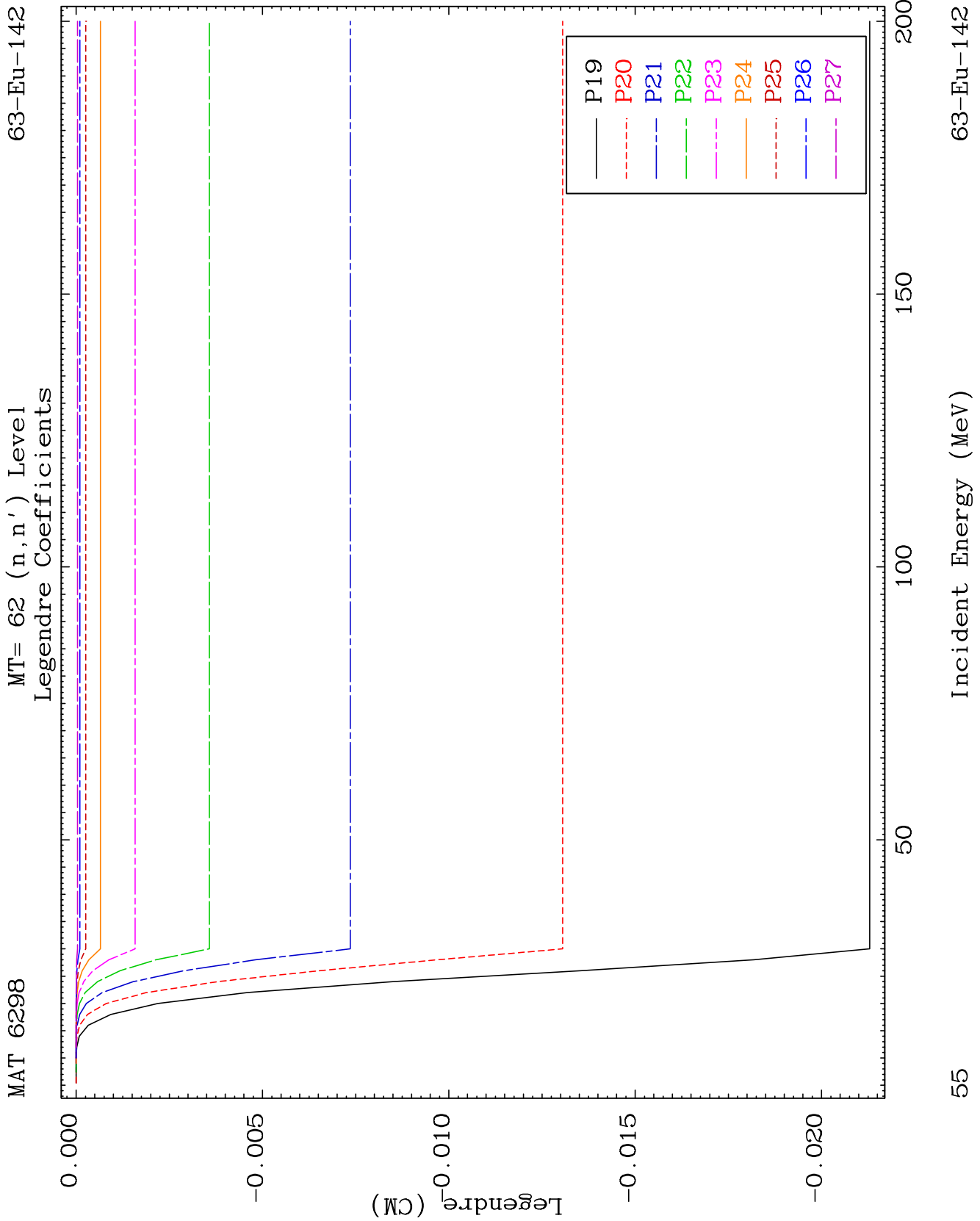
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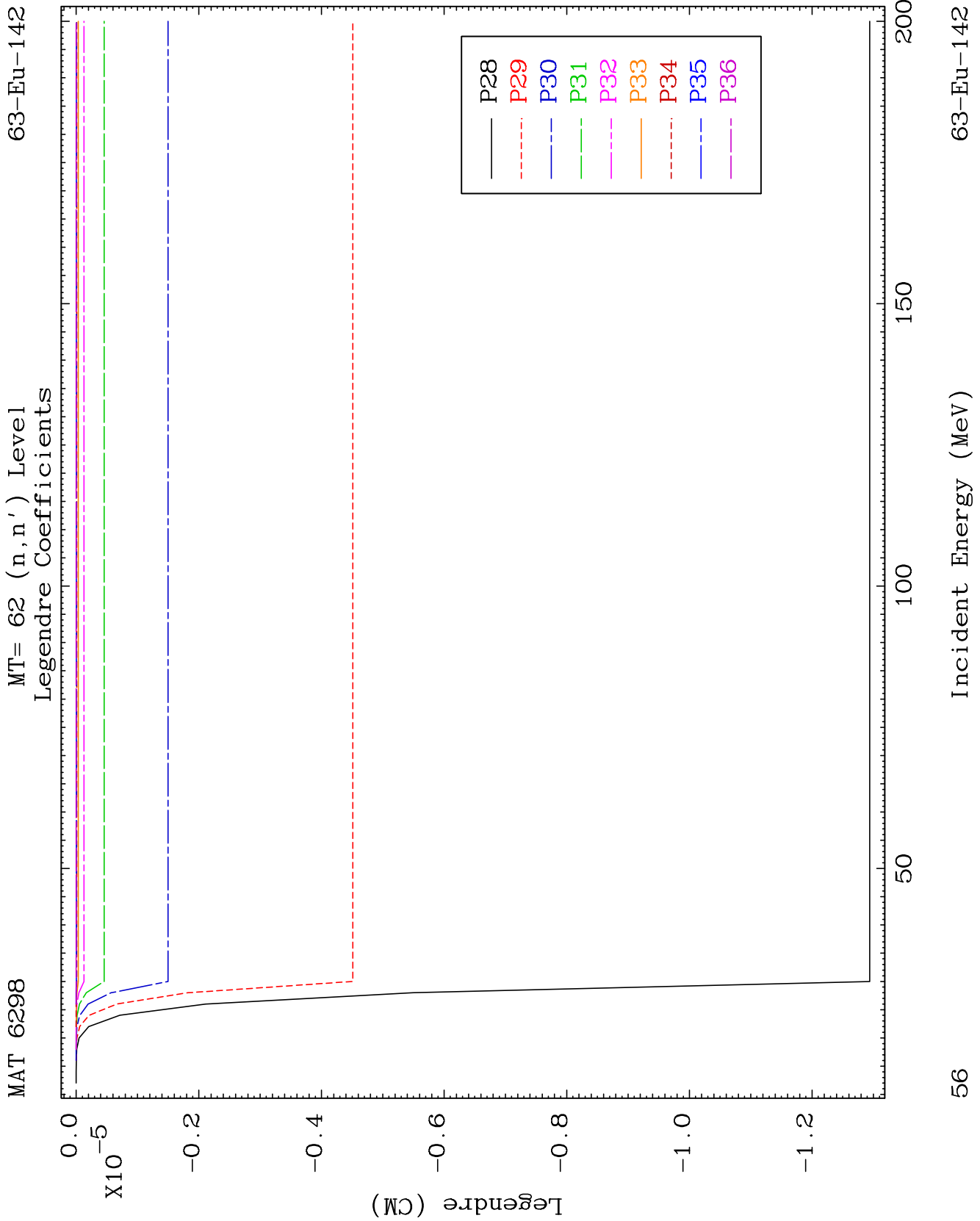


54

Incident Energy (MeV)

63-Eu-142

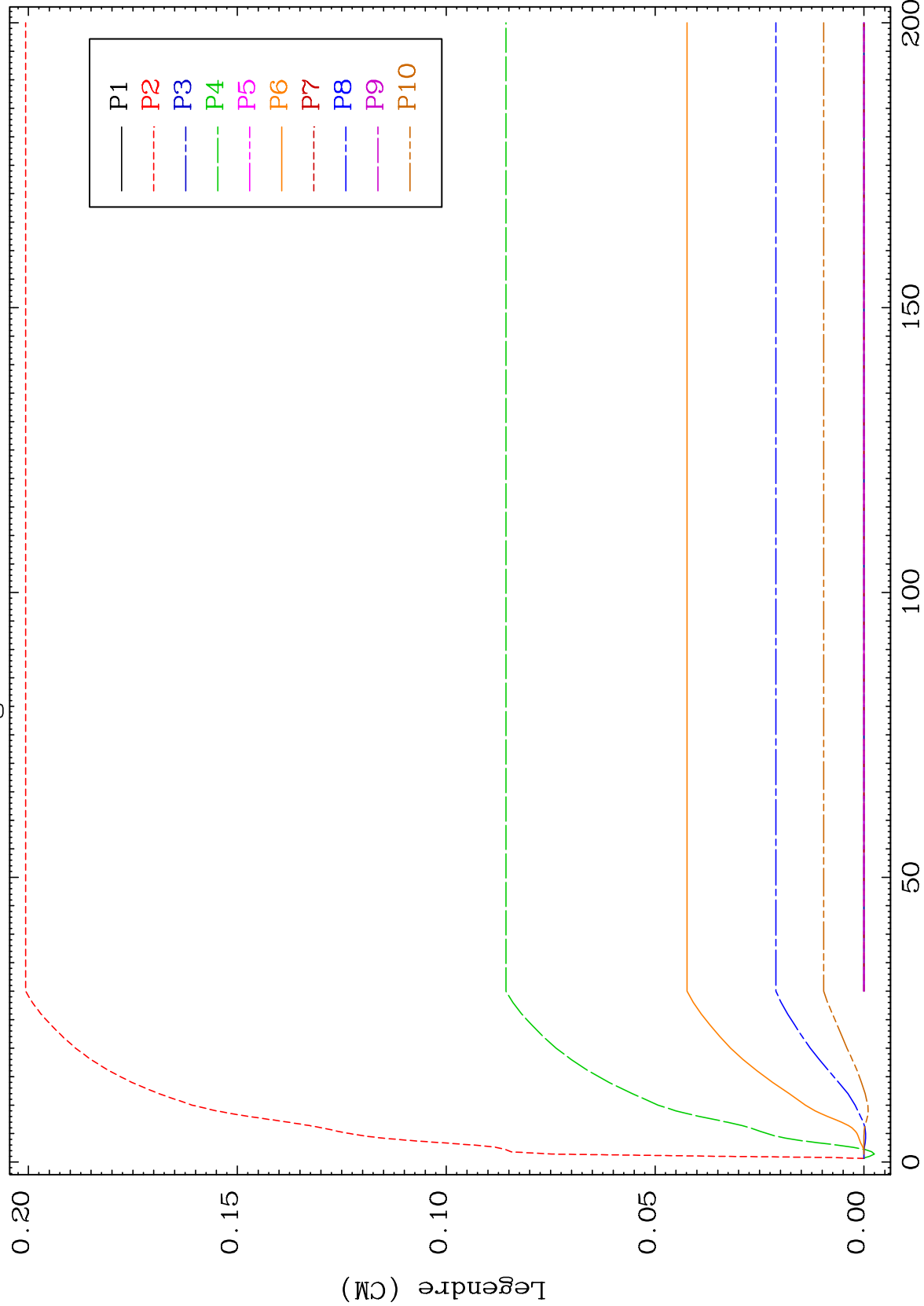




MAT 6298

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

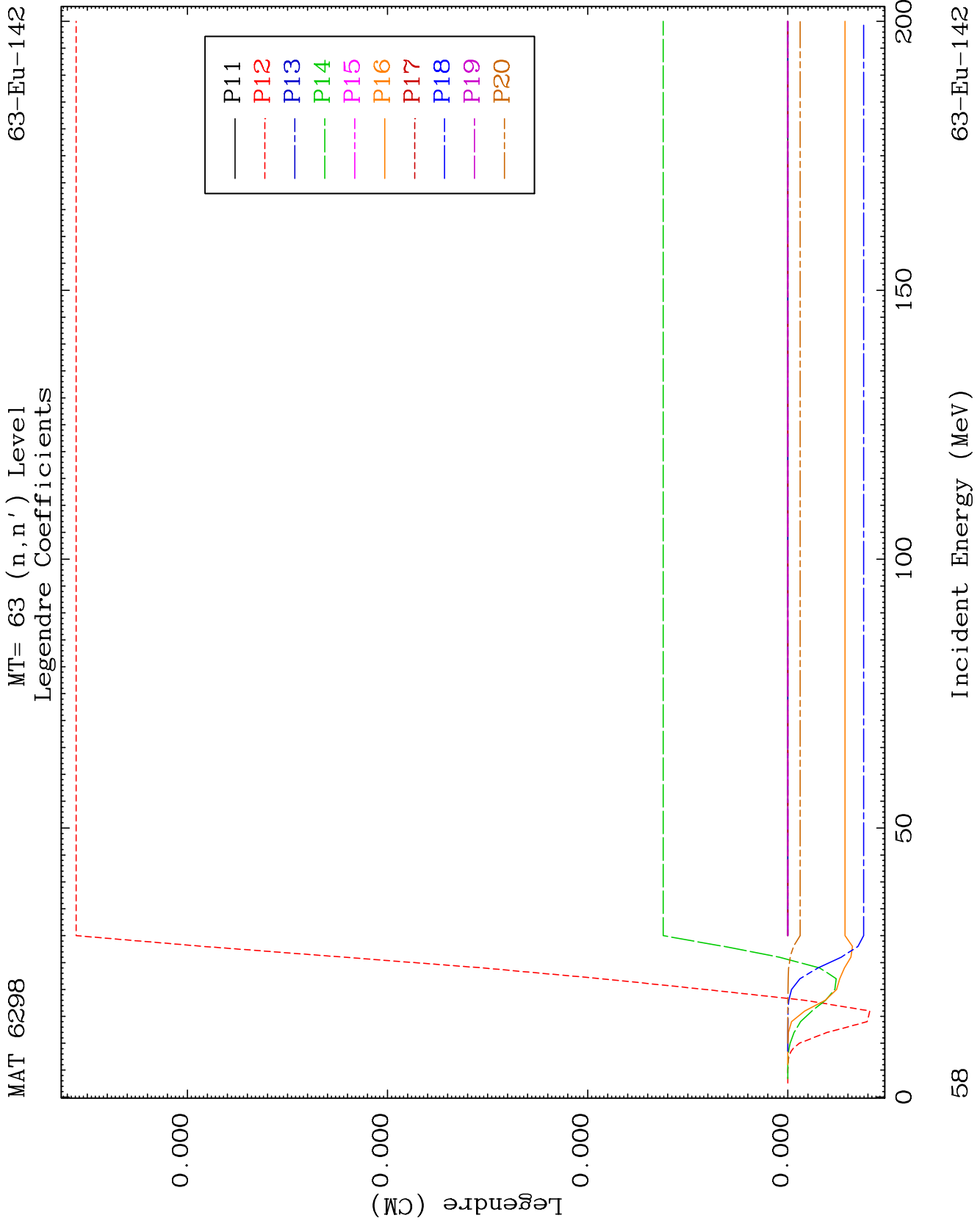
63-Eu-142



57

Incident Energy (MeV)

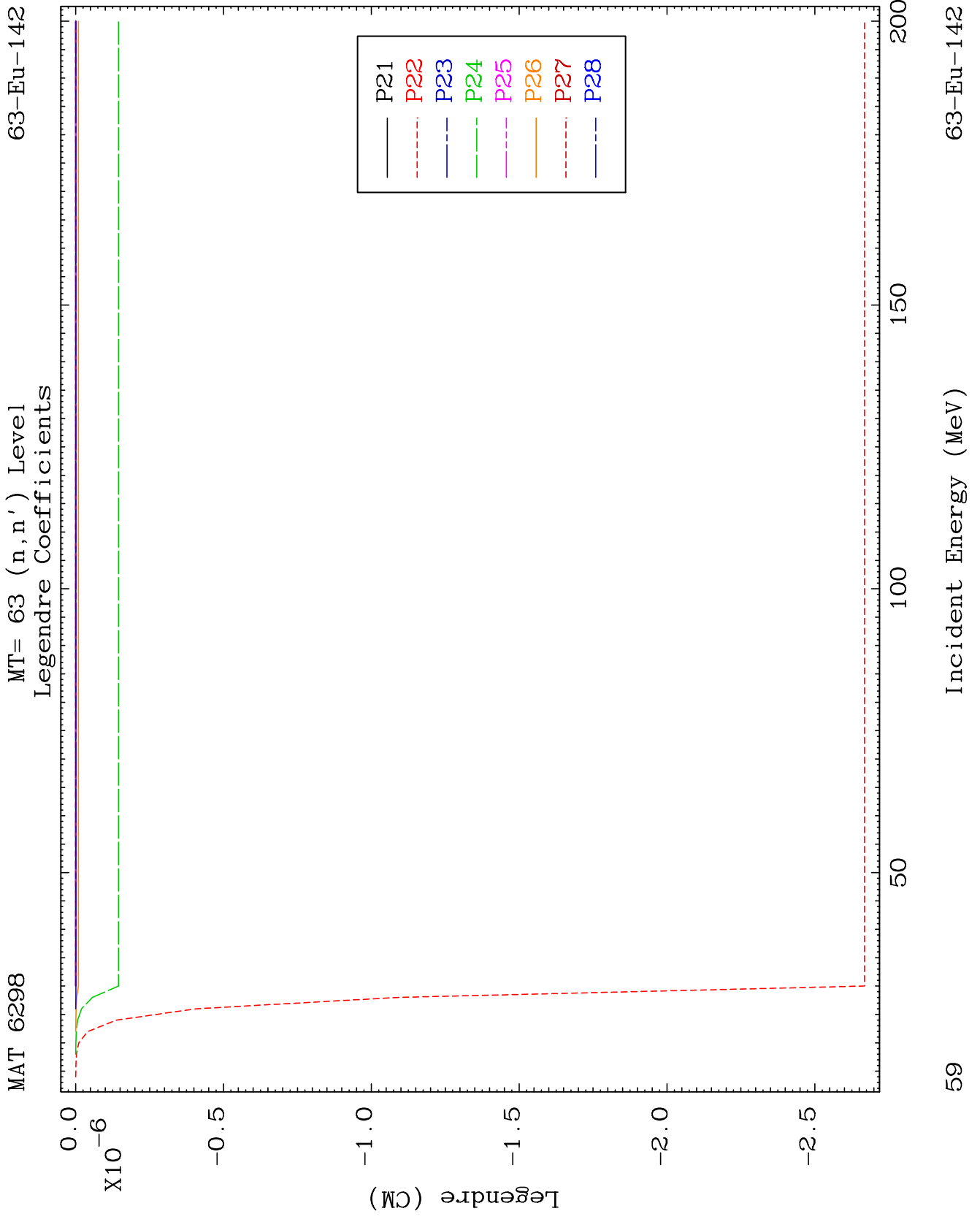
63-Eu-142



63-Eu-142

Incident Energy (MeV)

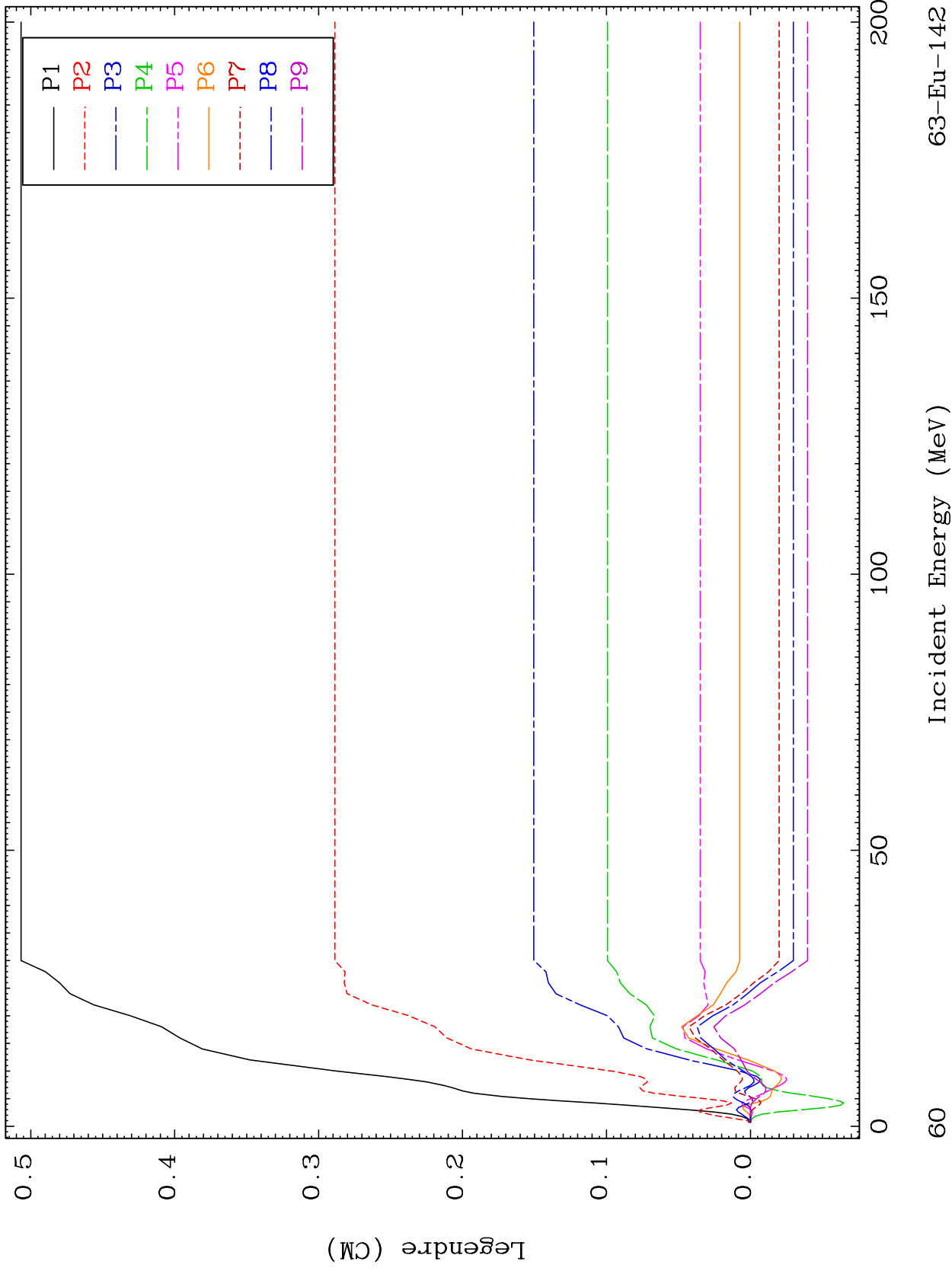
58



MAT 6298

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

63-Eu-142



63-Eu-142

Incident Energy (MeV)

60

200

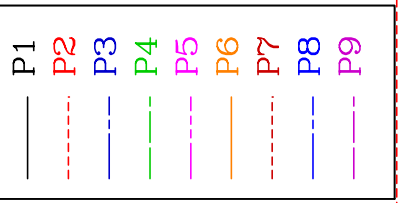
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100

50

0

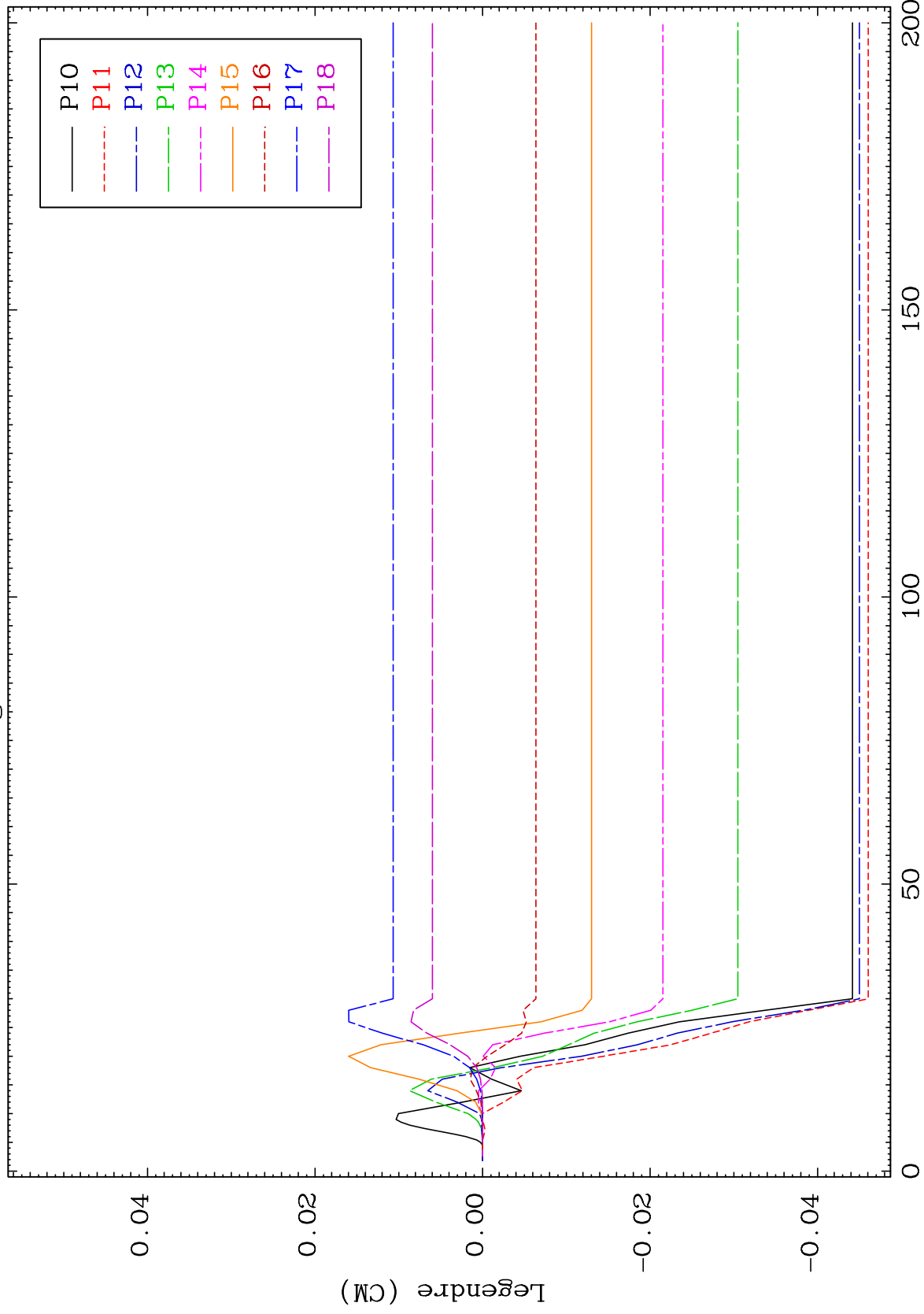
Legendre (CM)



MAT 6298

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

63-Eu-142



61

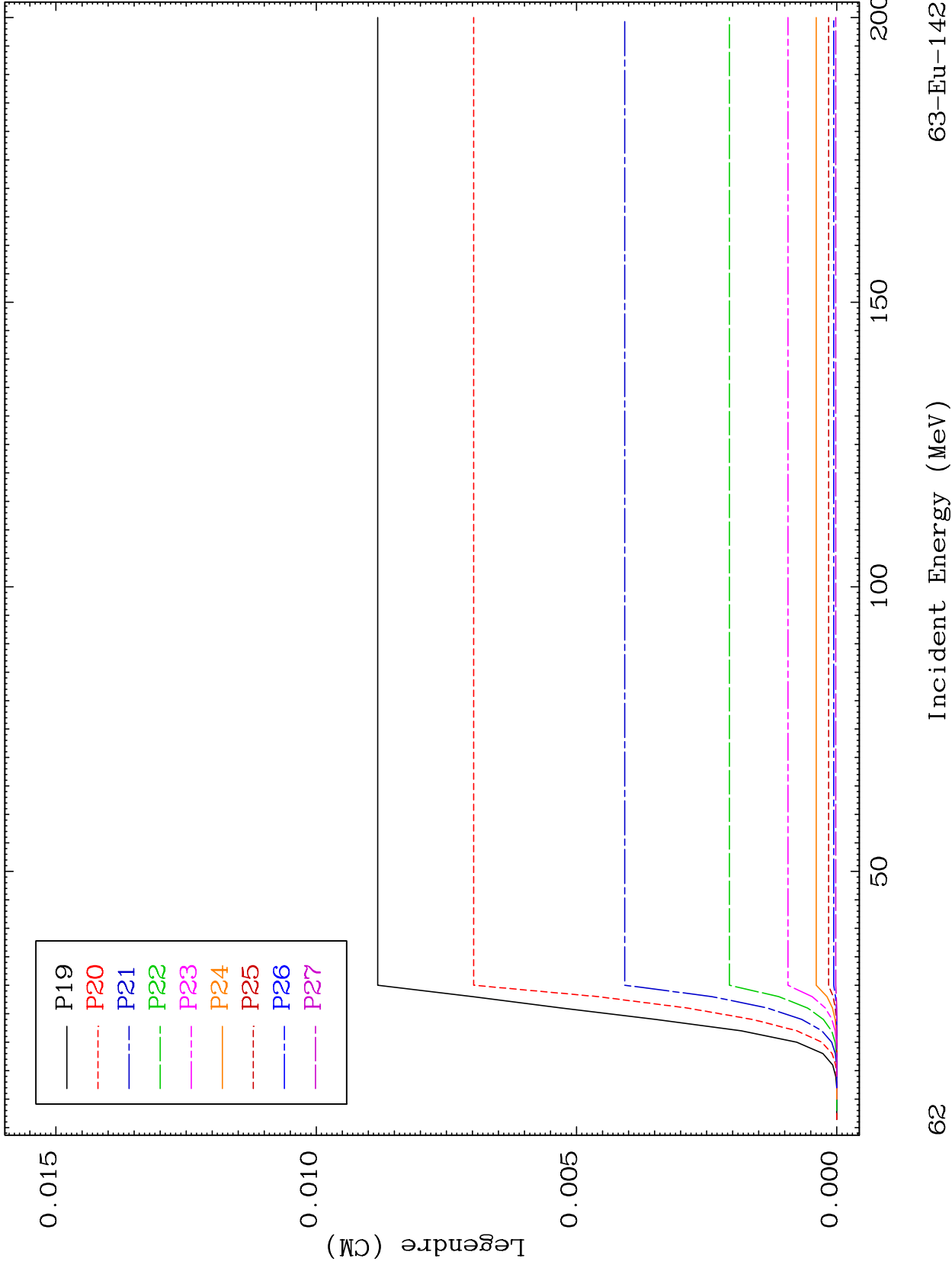
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



62

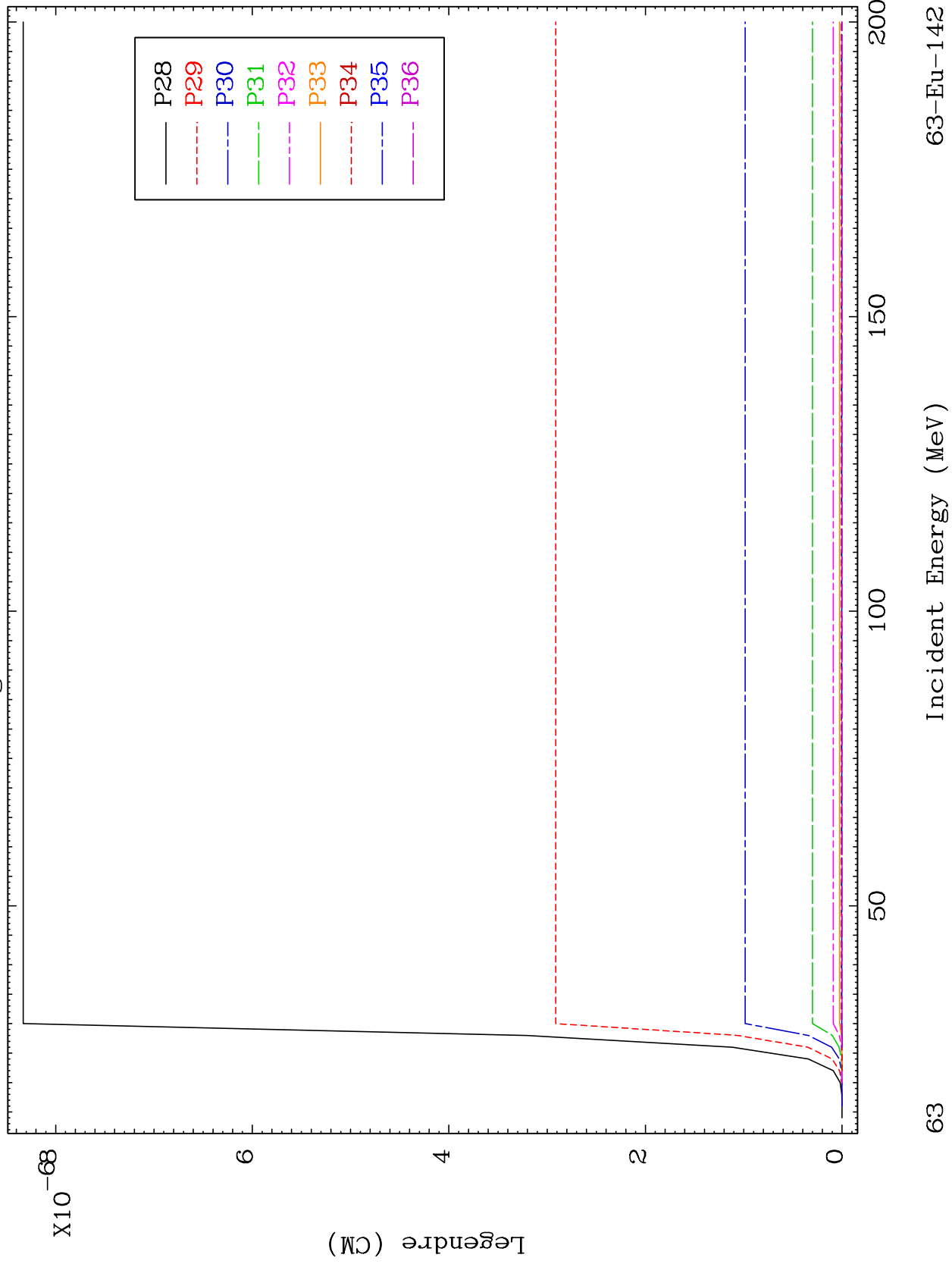
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



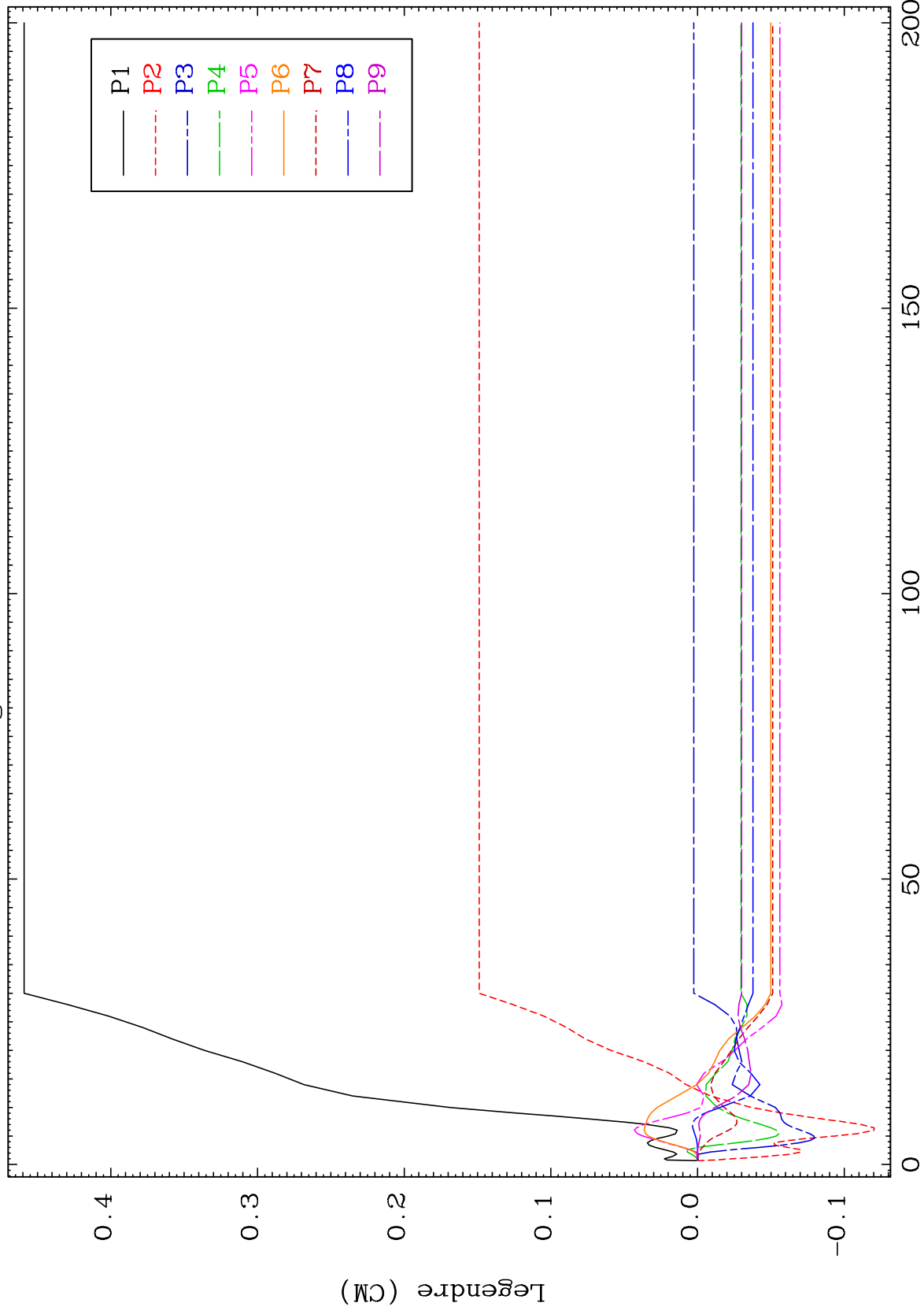
63

63-Eu-142

MAT 6298

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

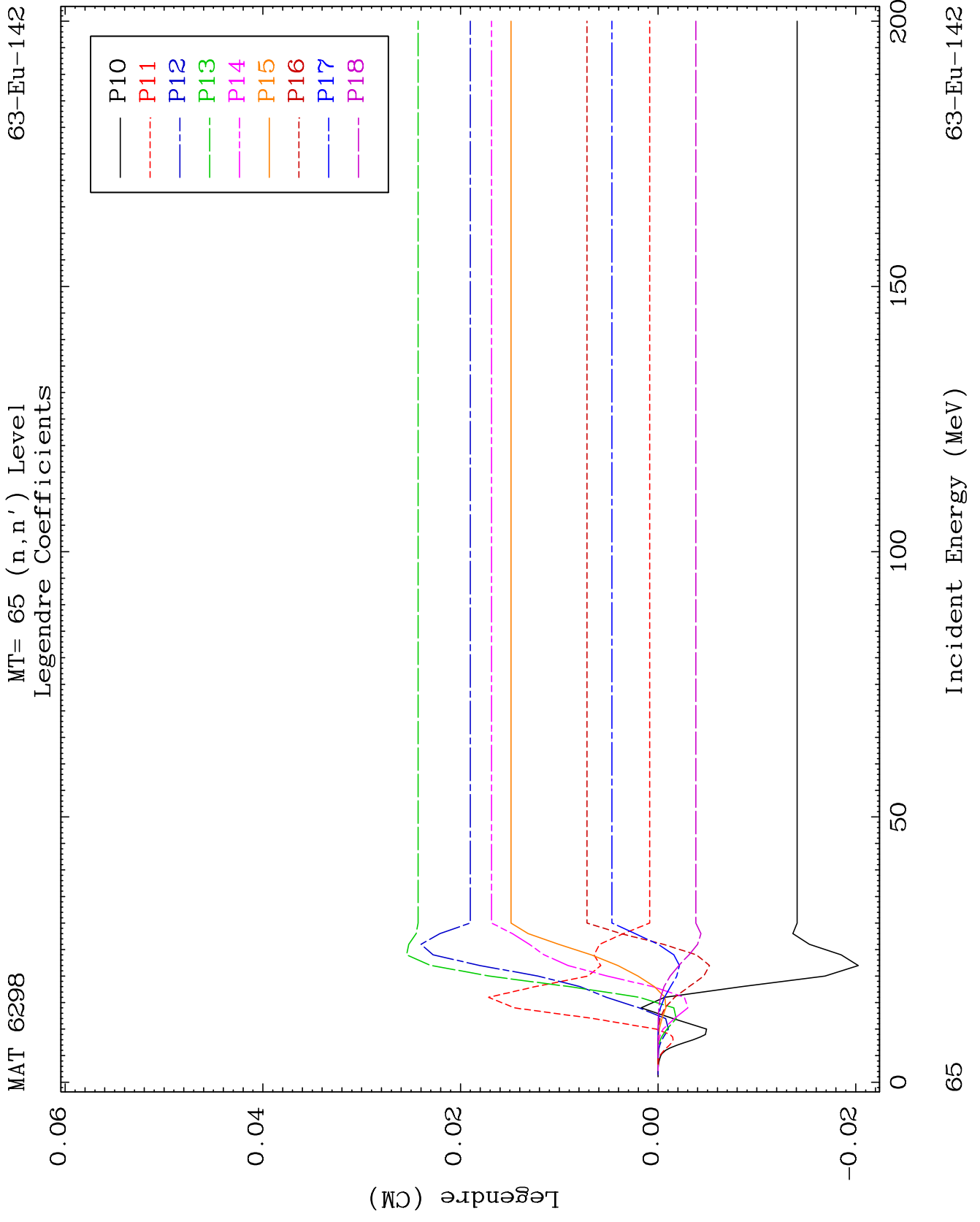
63-Eu-142



64

Incident Energy (MeV)

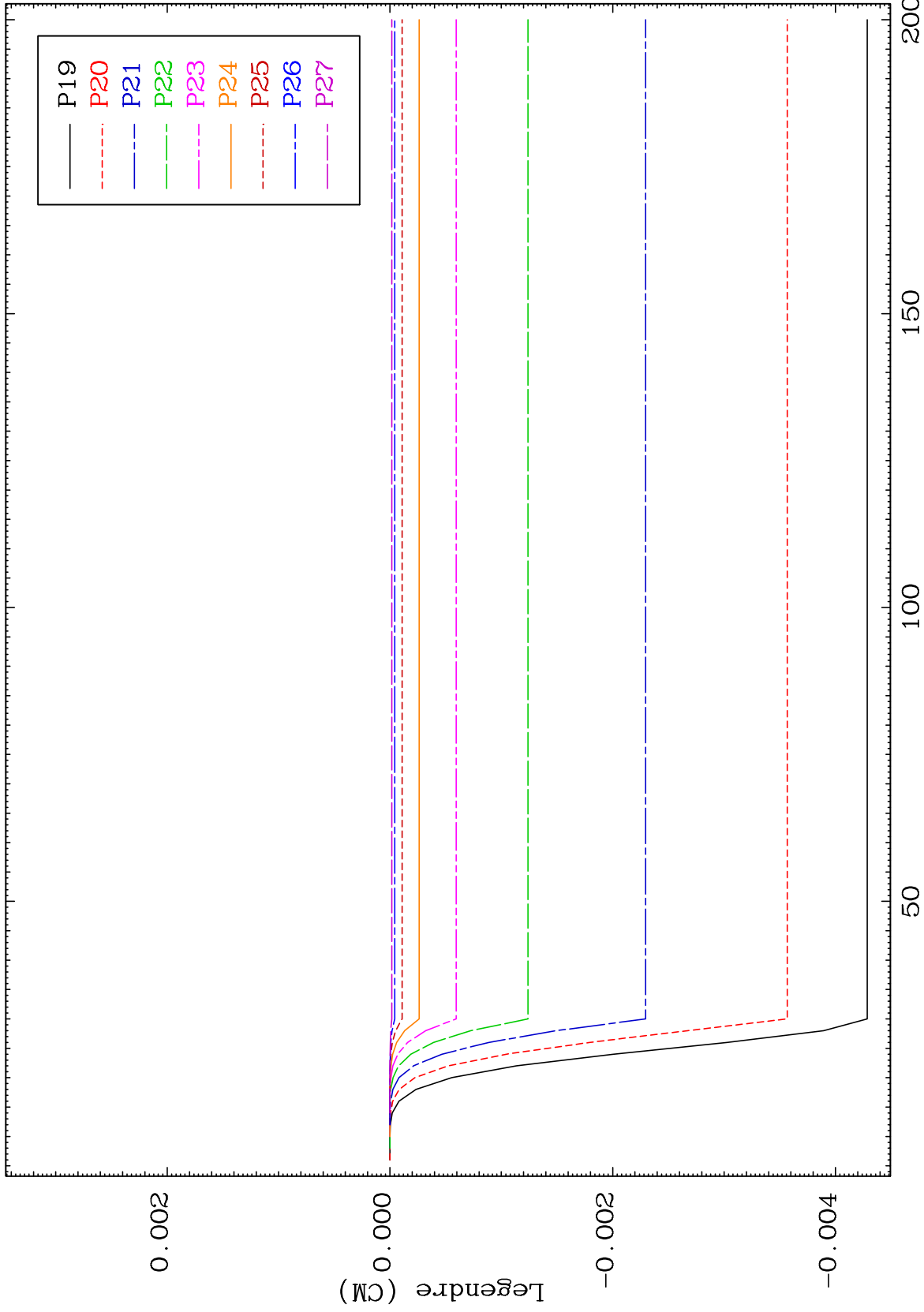
63-Eu-142



MAT 6298

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

63-Eu-142



66

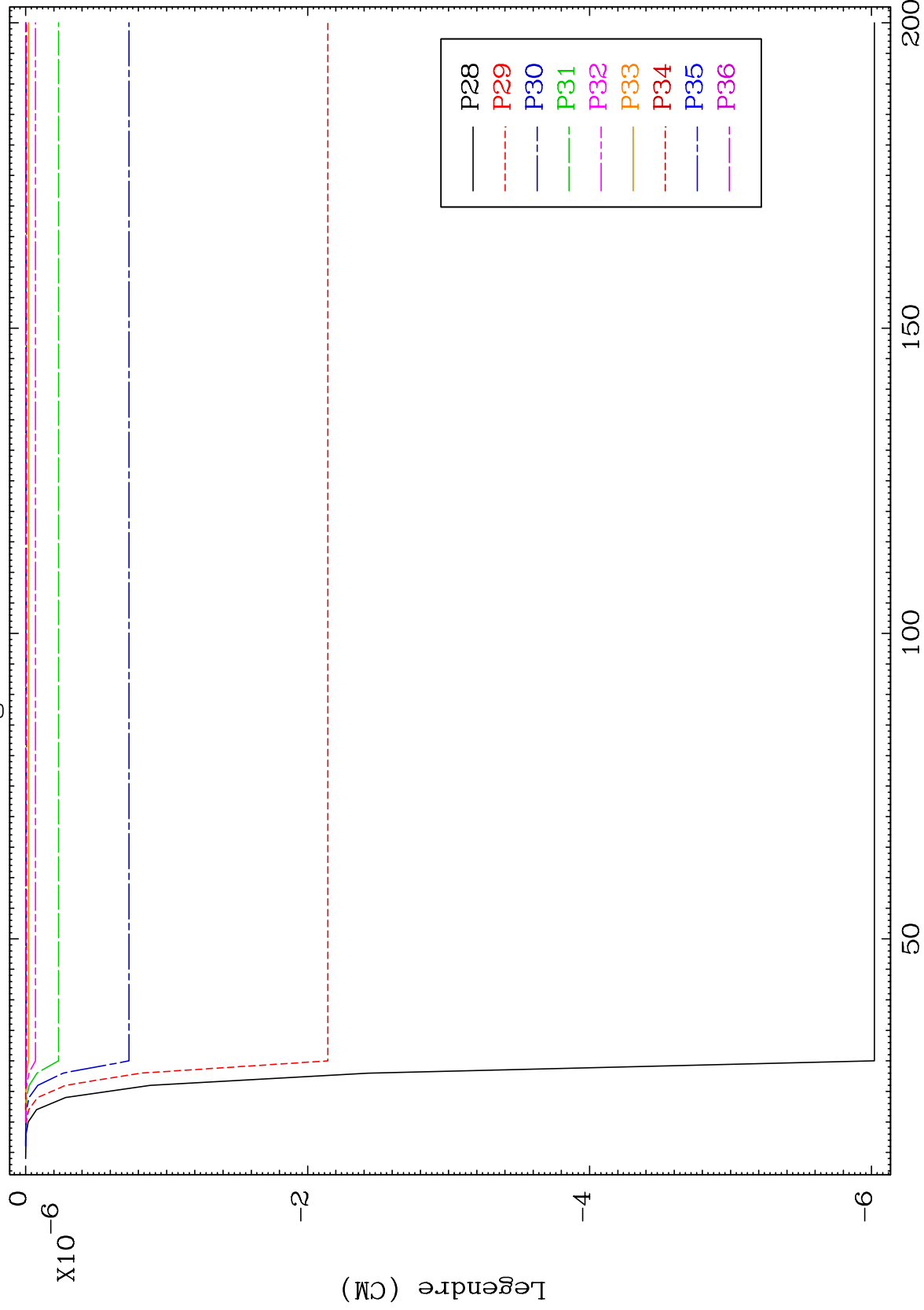
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



67

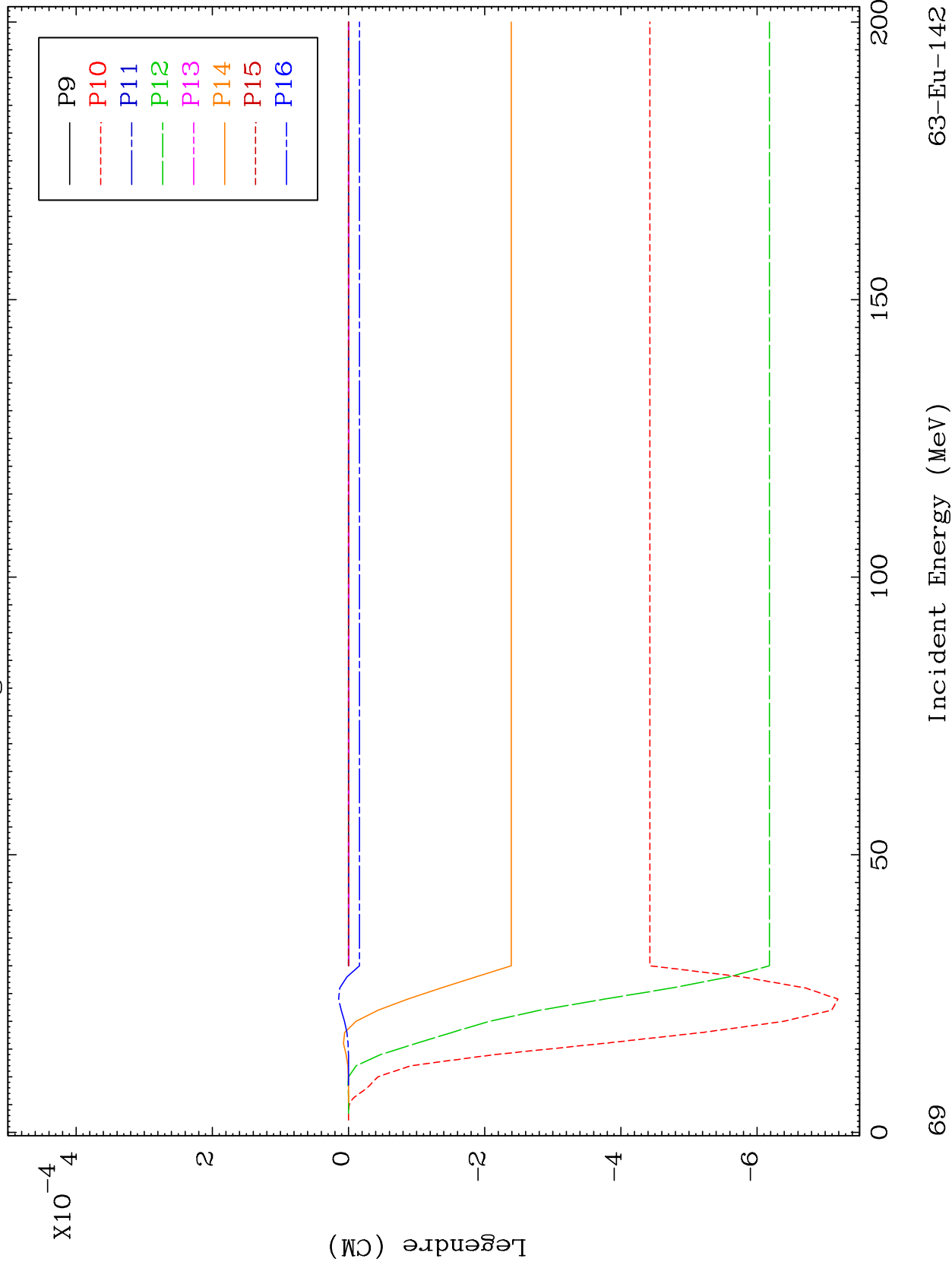
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



69

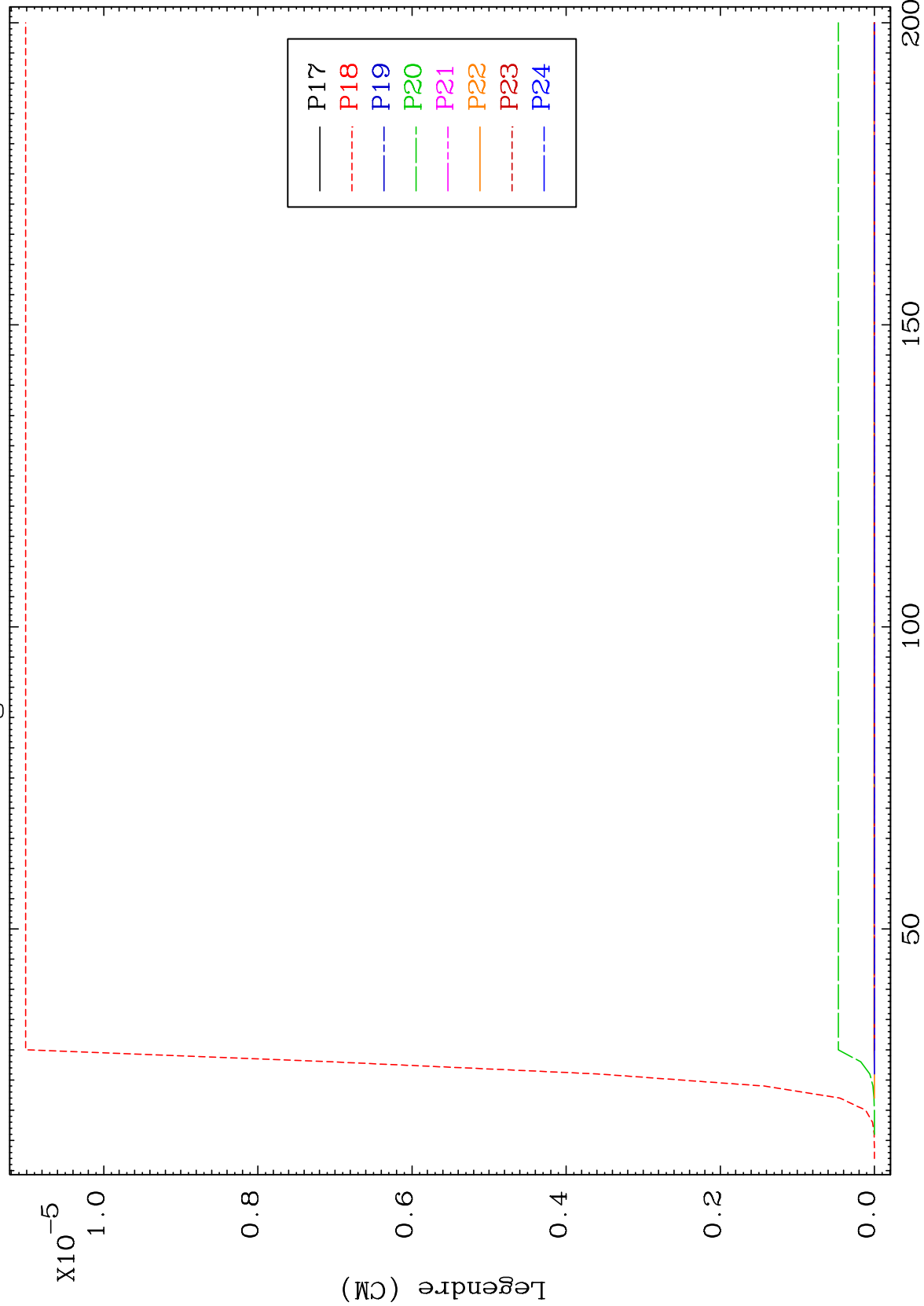
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



63-Eu-142

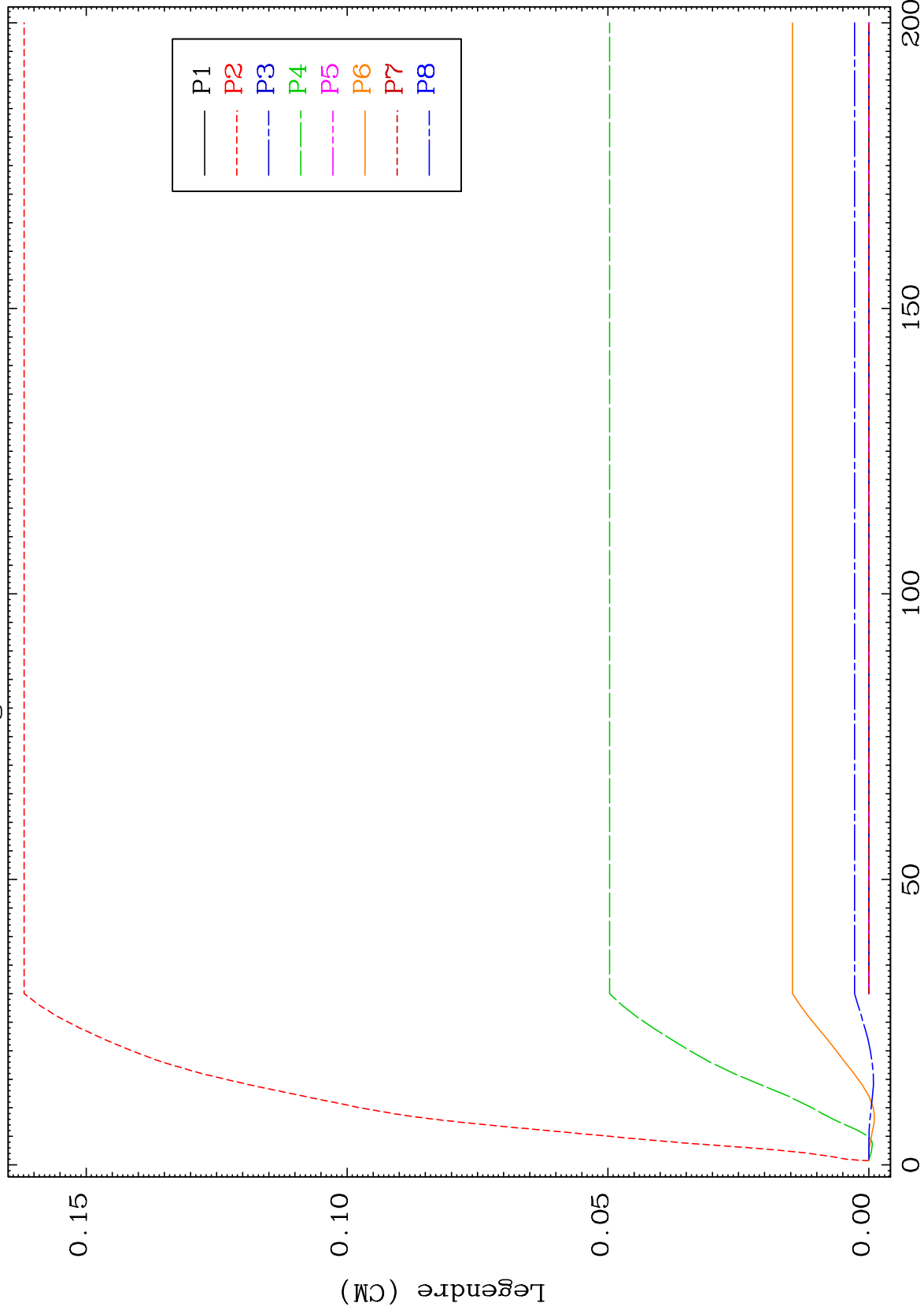
Incident Energy (MeV)

70

MAT 6298

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

63-Eu-142



71

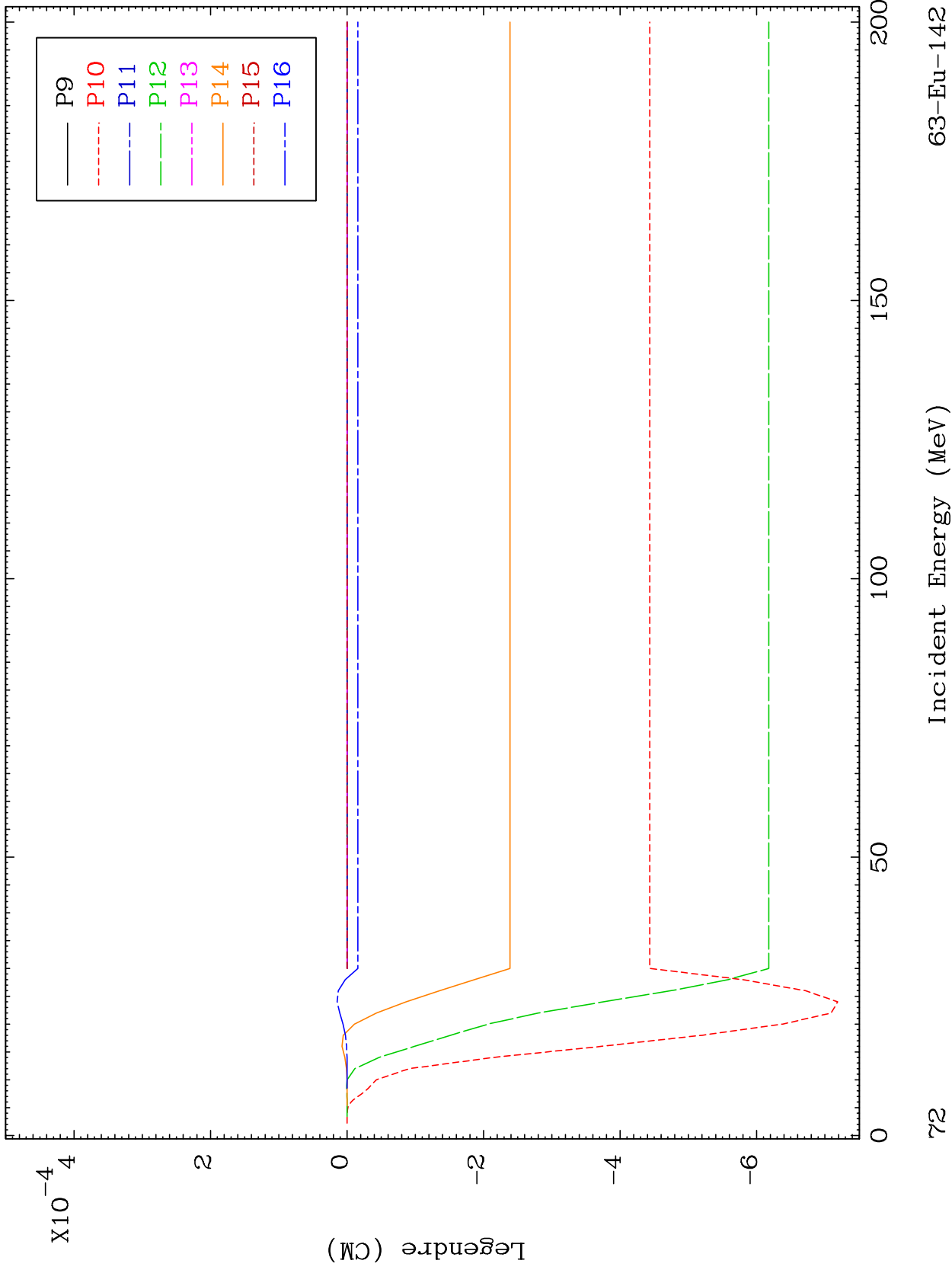
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

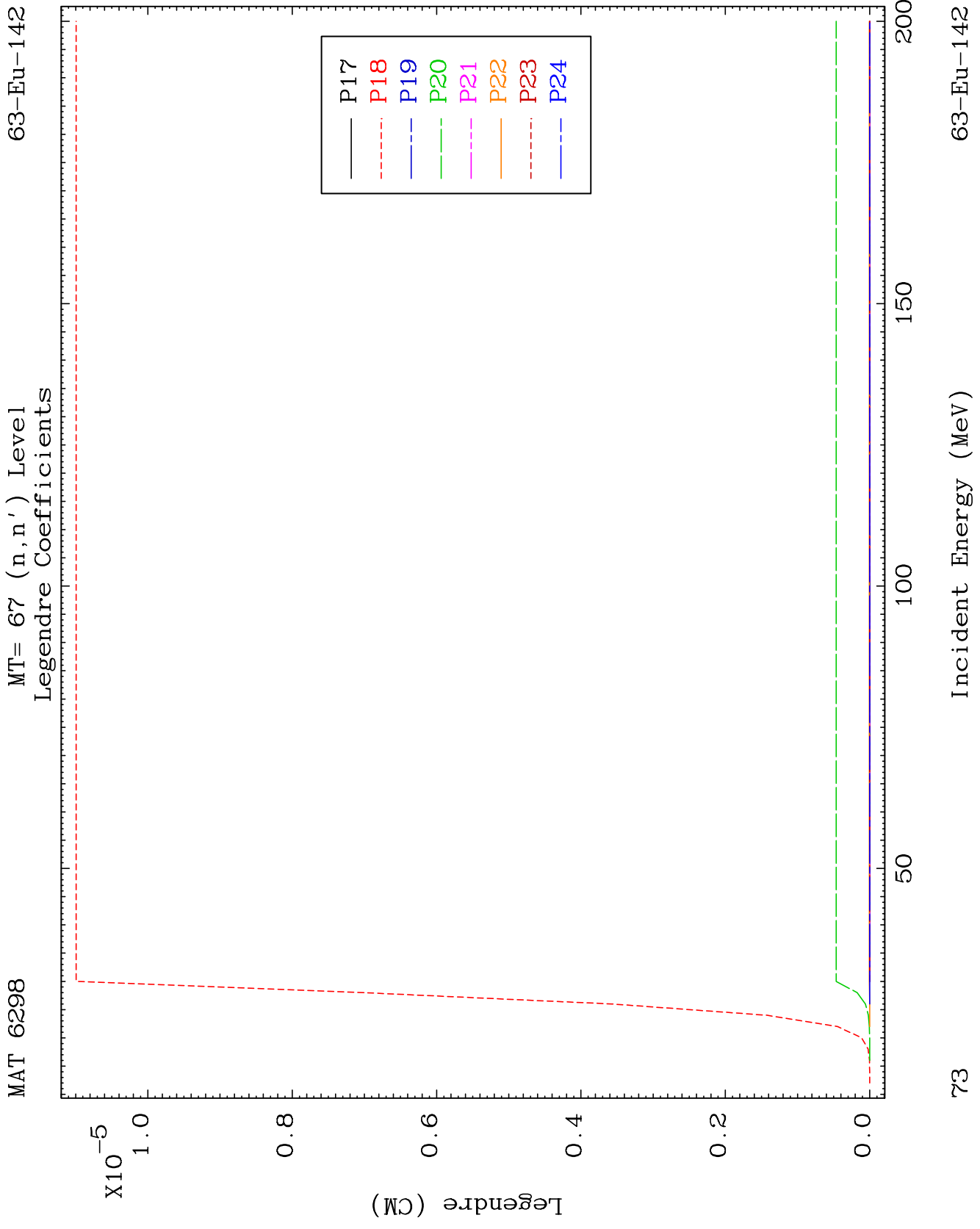
63-Eu-142



72

Incident Energy (MeV)

63-Eu-142

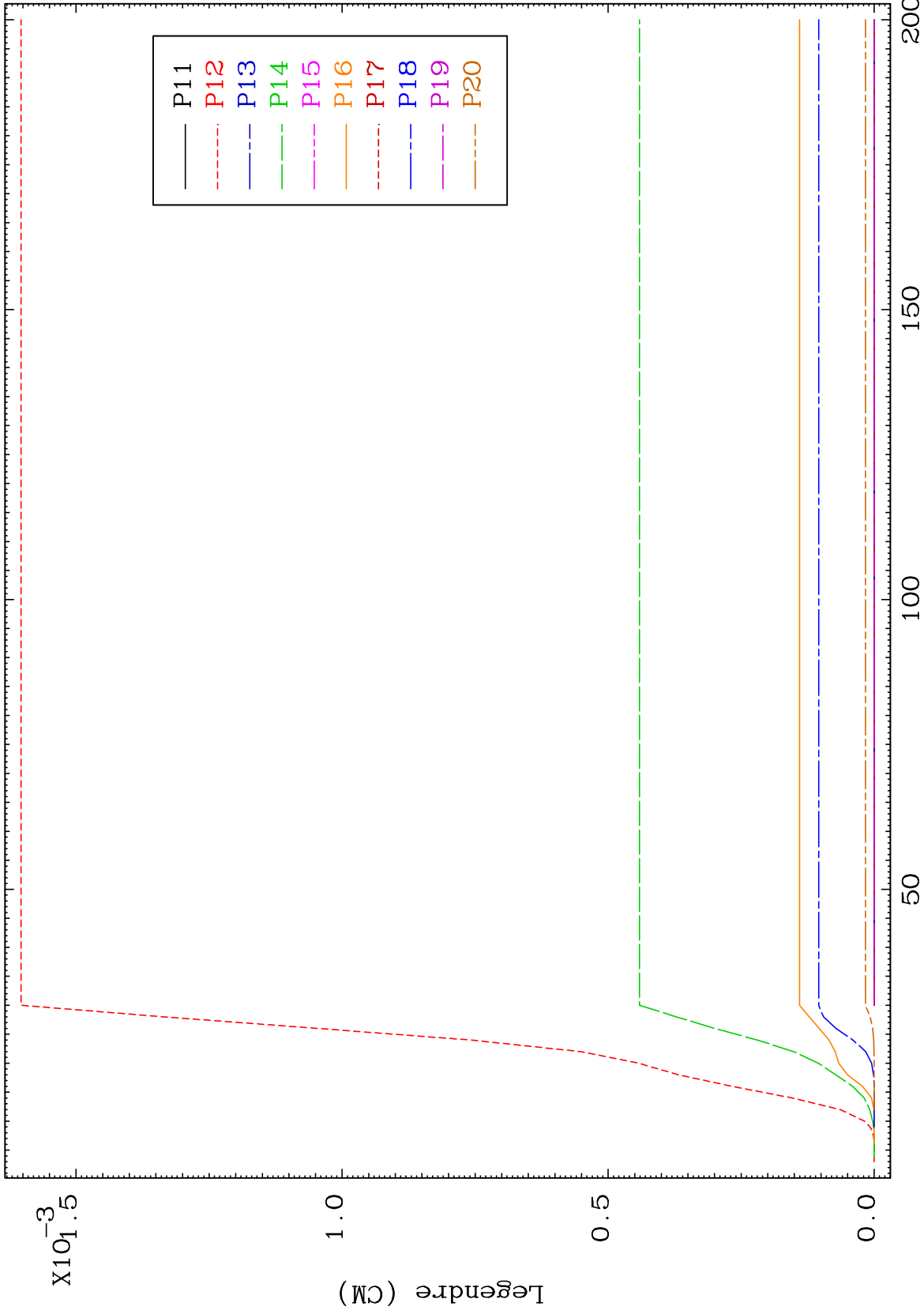


MAT 6298

MT= 68 (n,n') Level

63-Eu-142

Legendre Coefficients



75

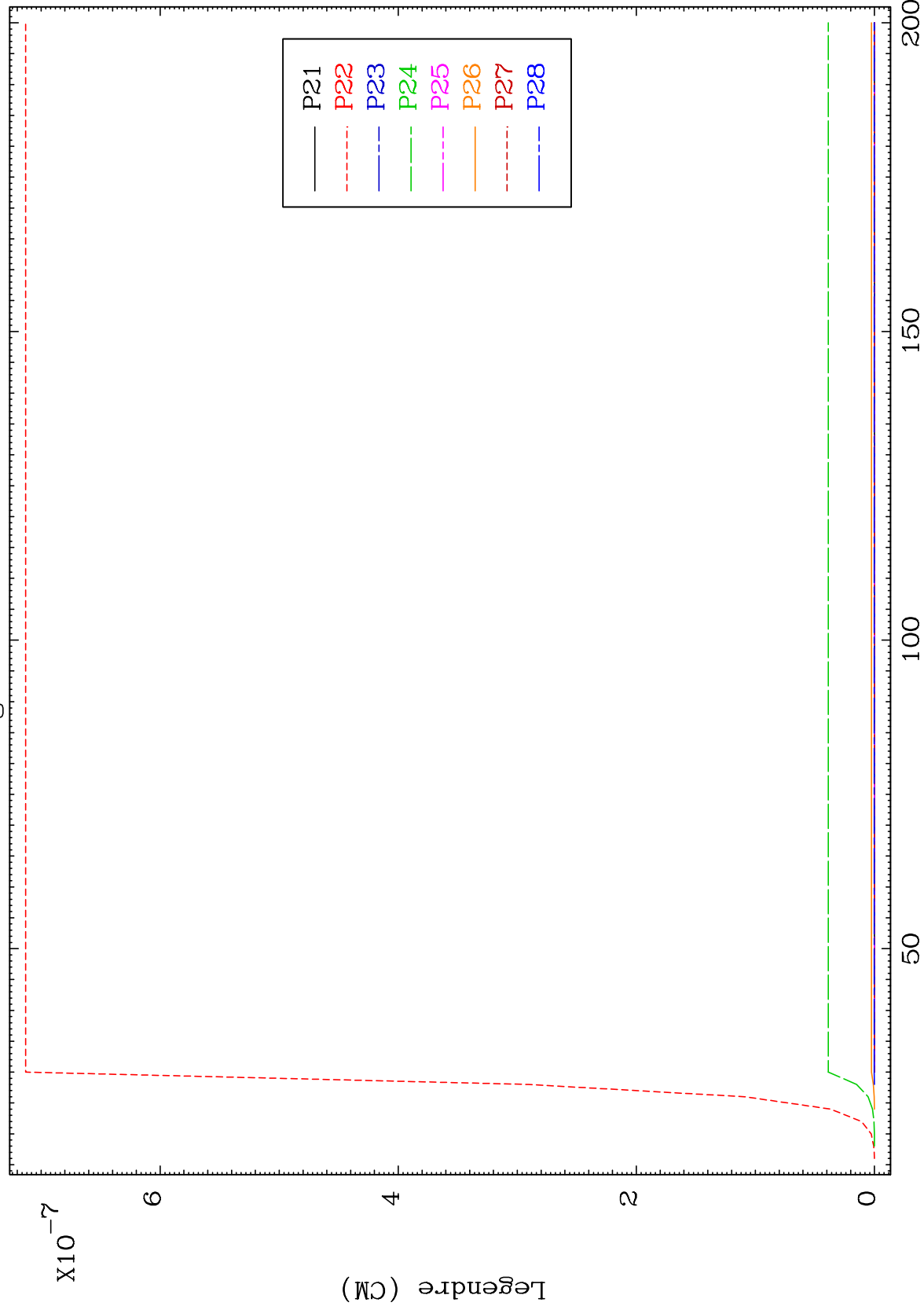
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



76

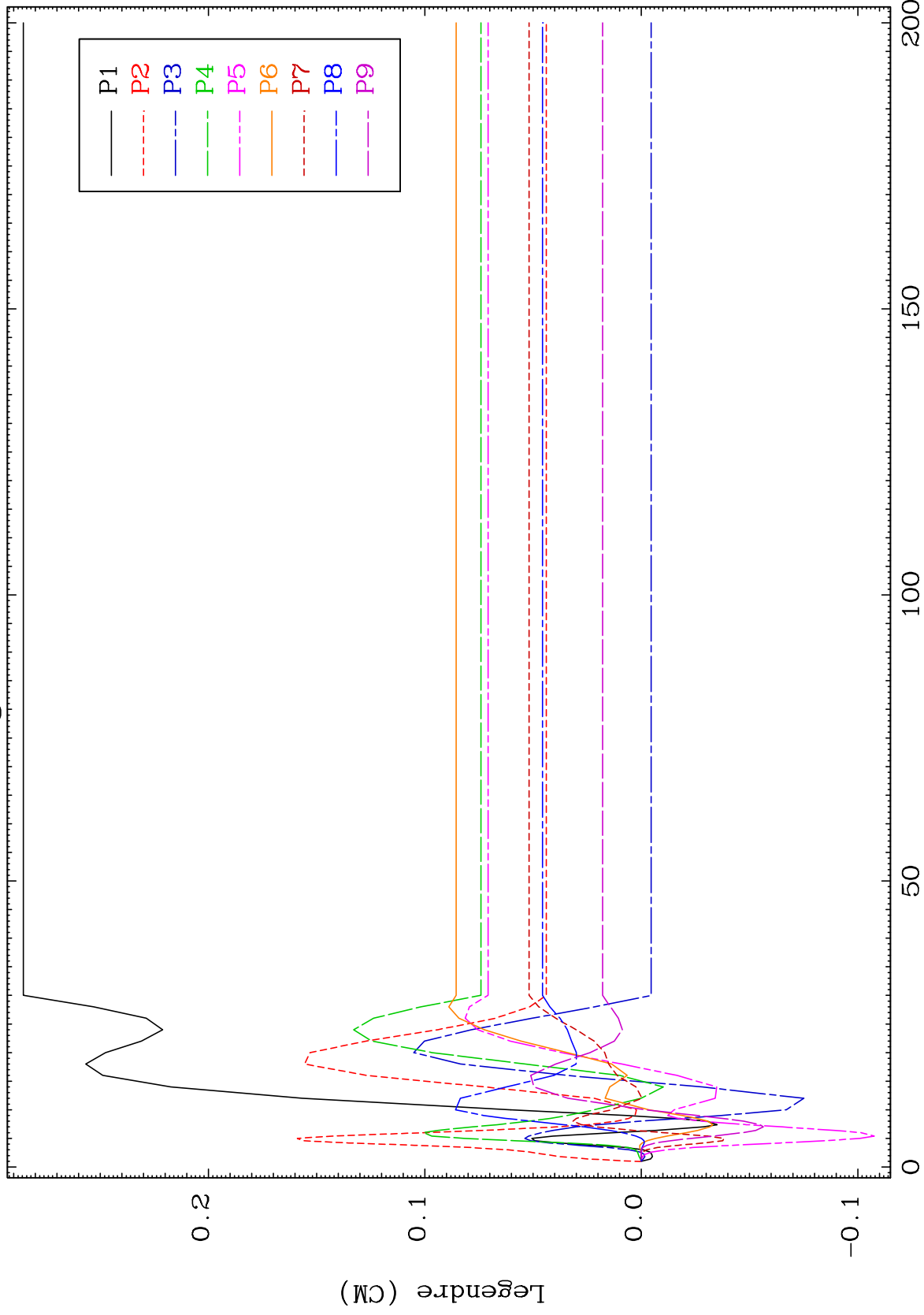
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



77

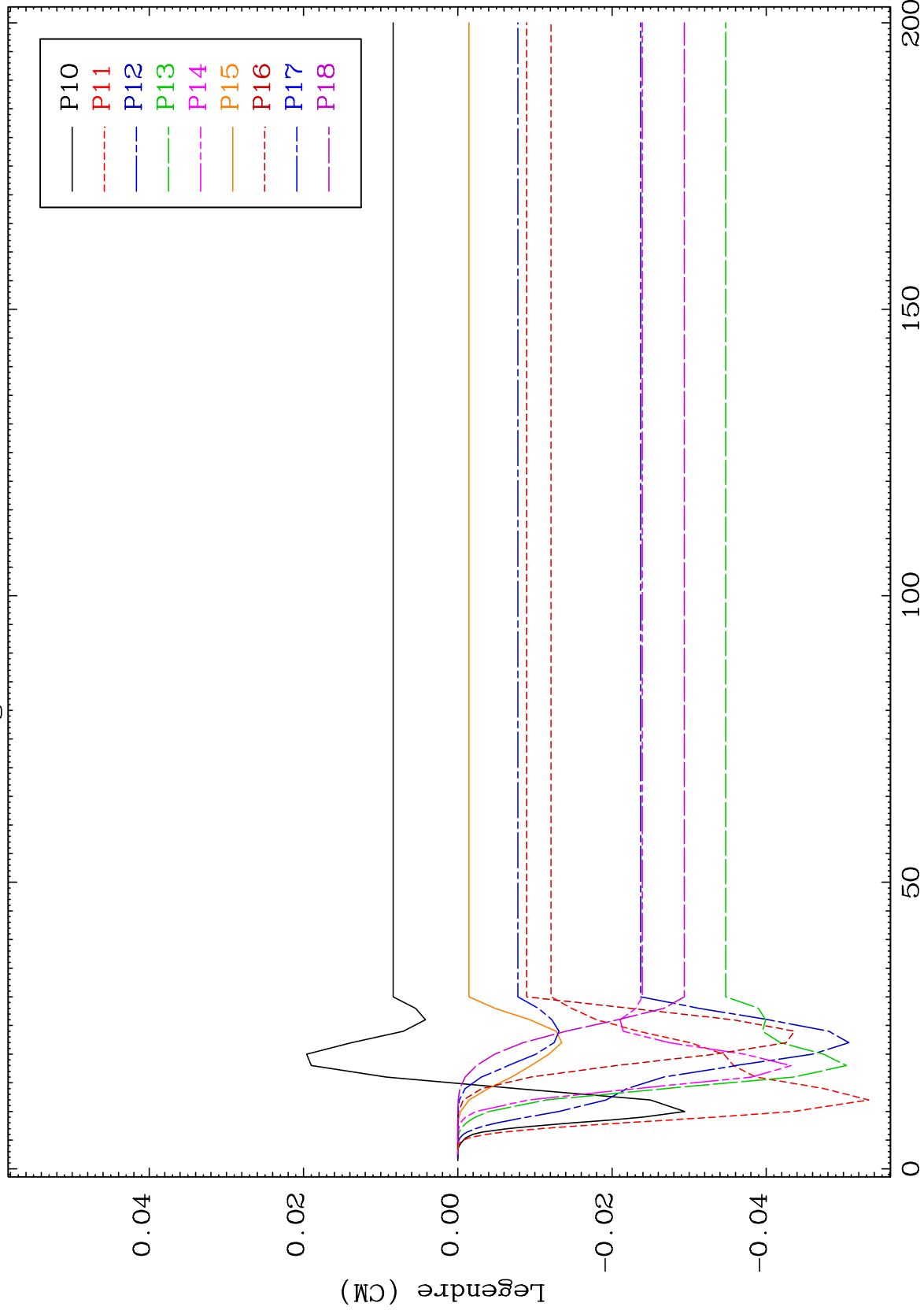
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

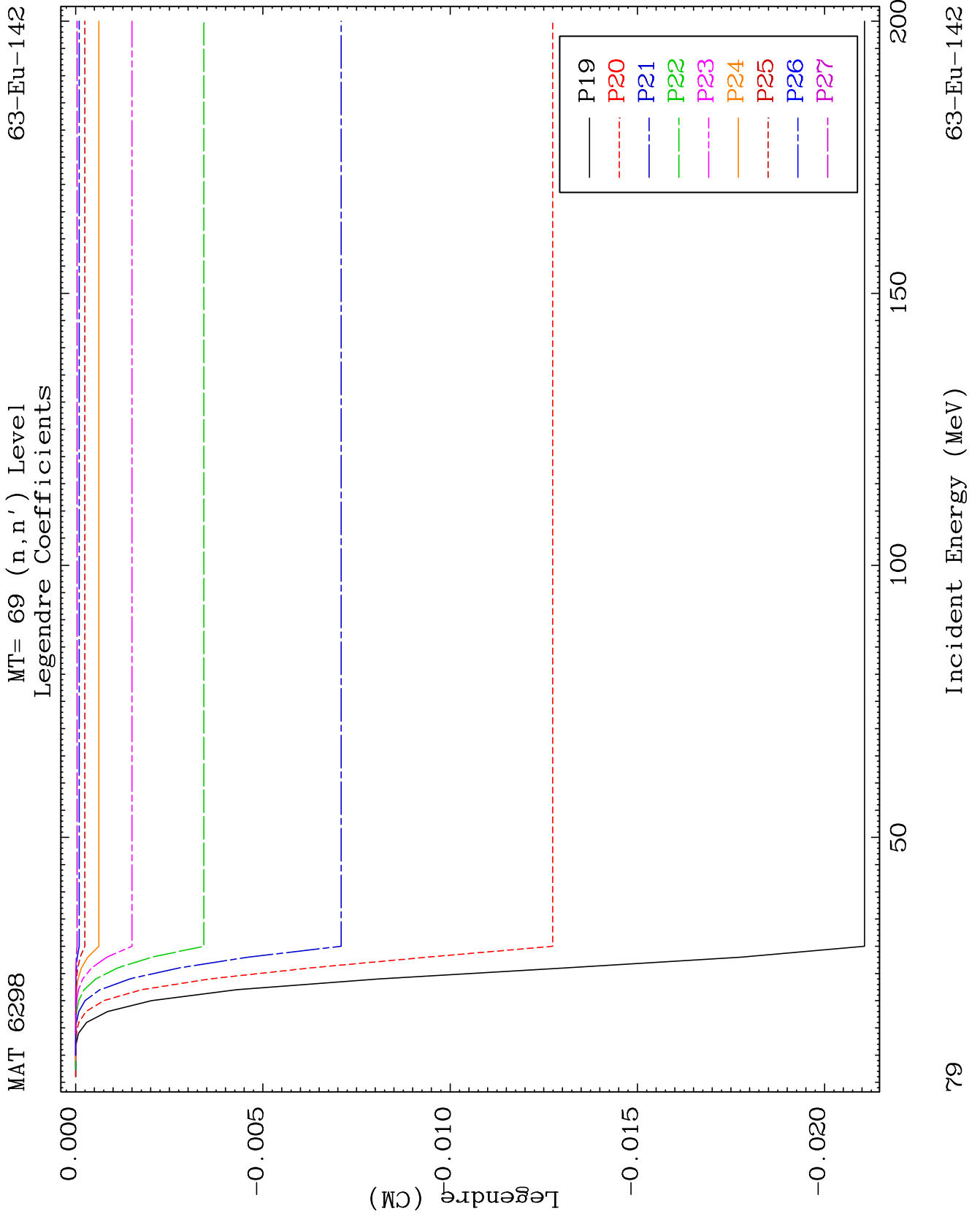
63-Eu-142

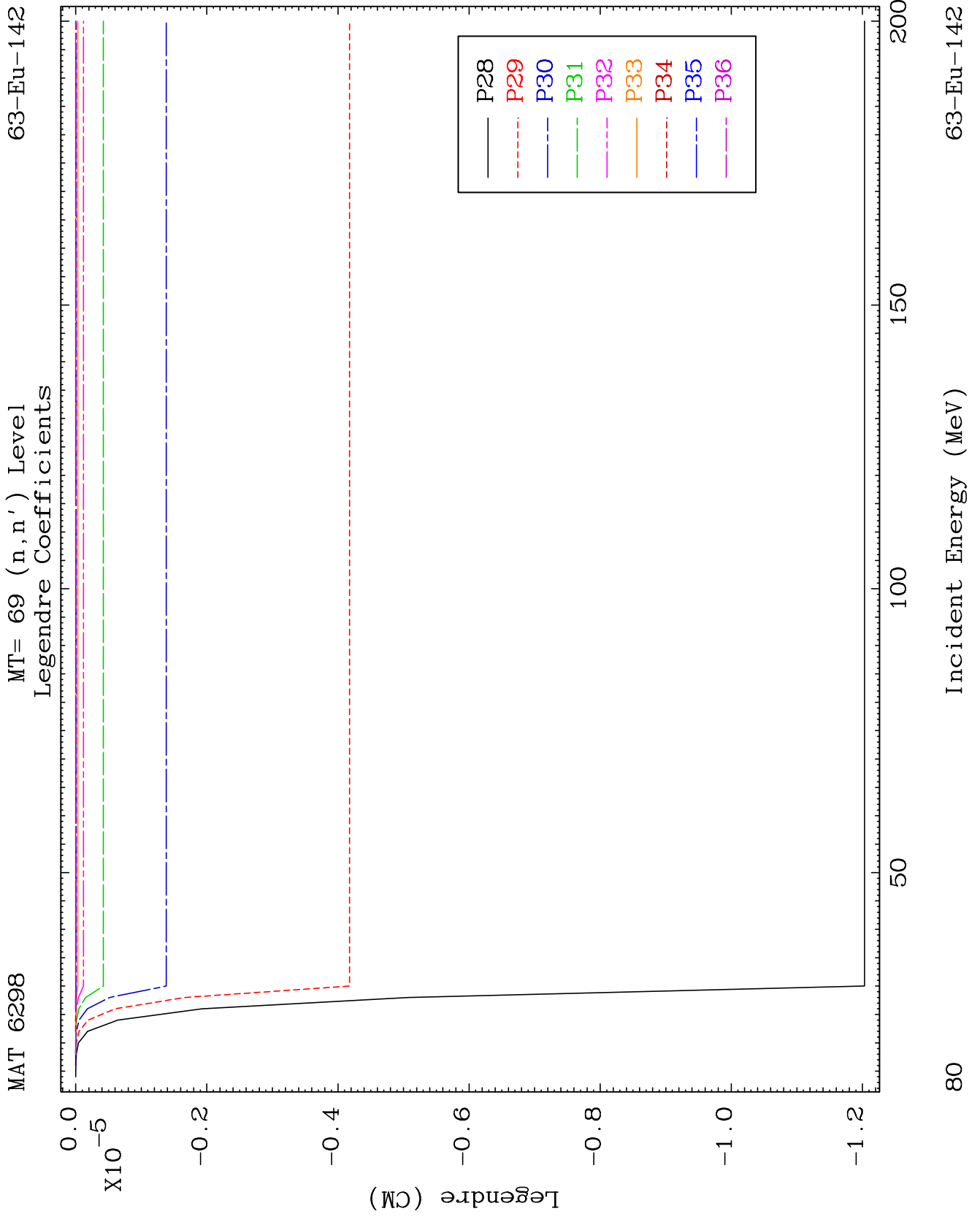


78

Incident Energy (MeV)

63-Eu-142

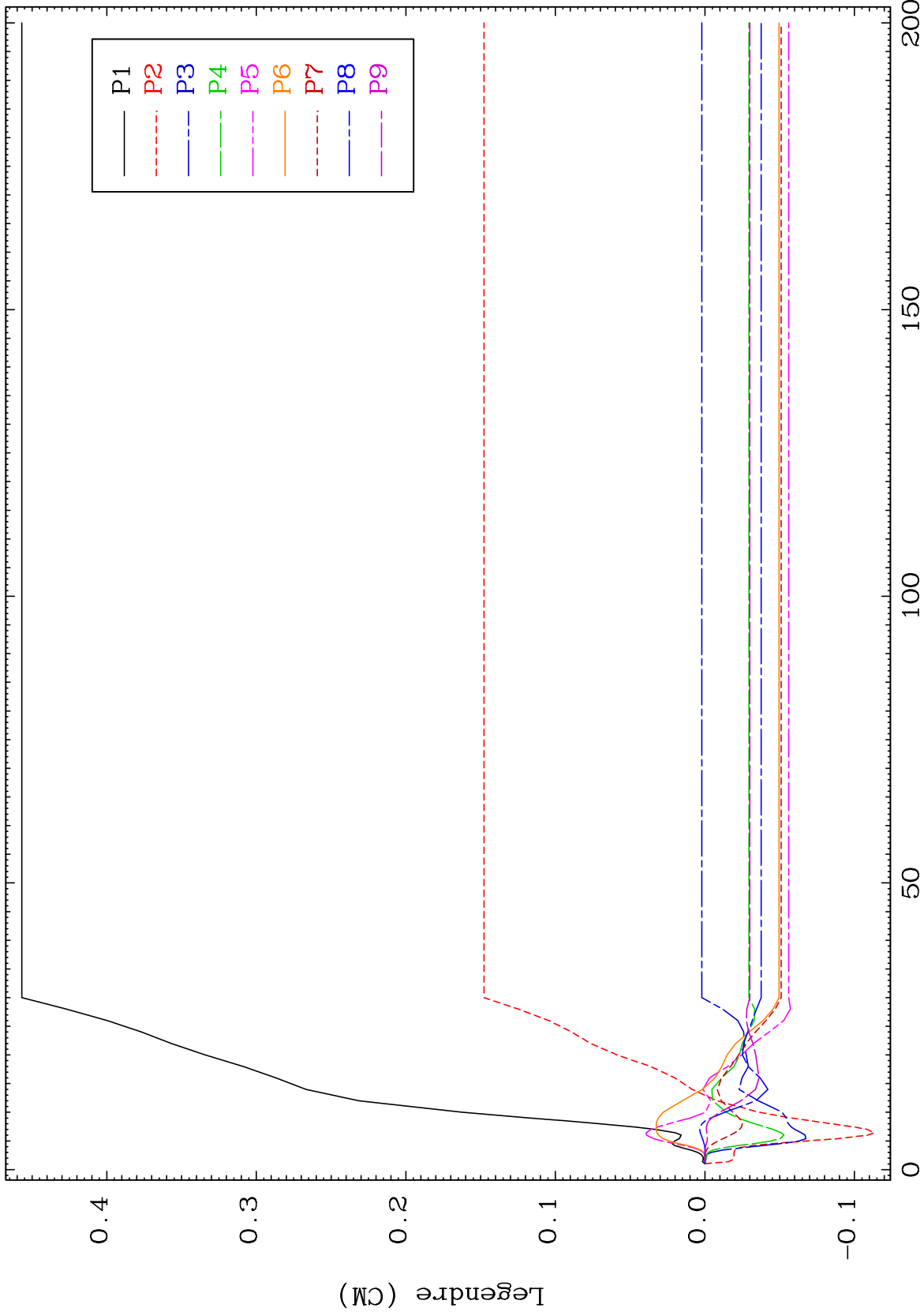




MAT 6298

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

63-Eu-142



81

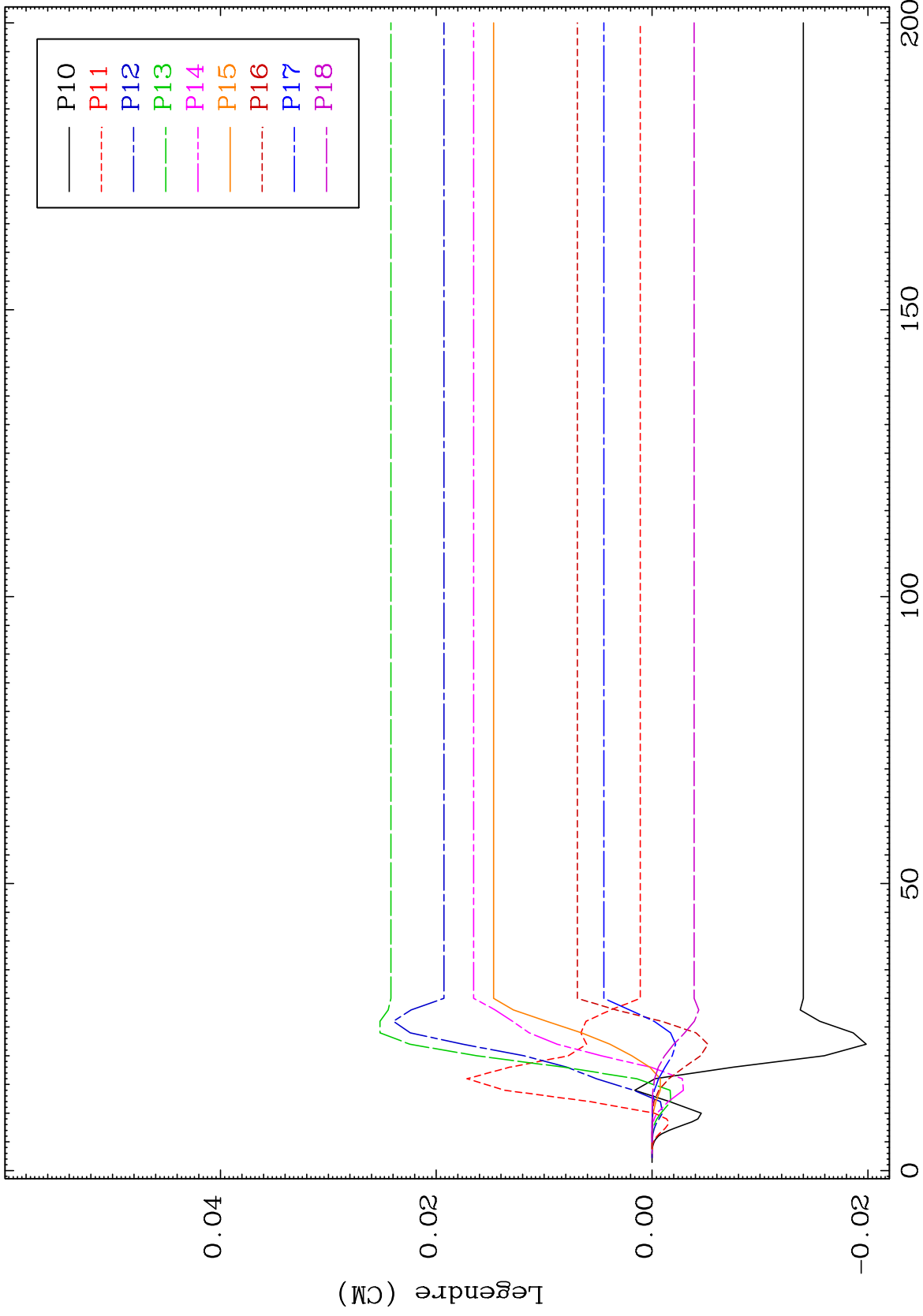
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



82

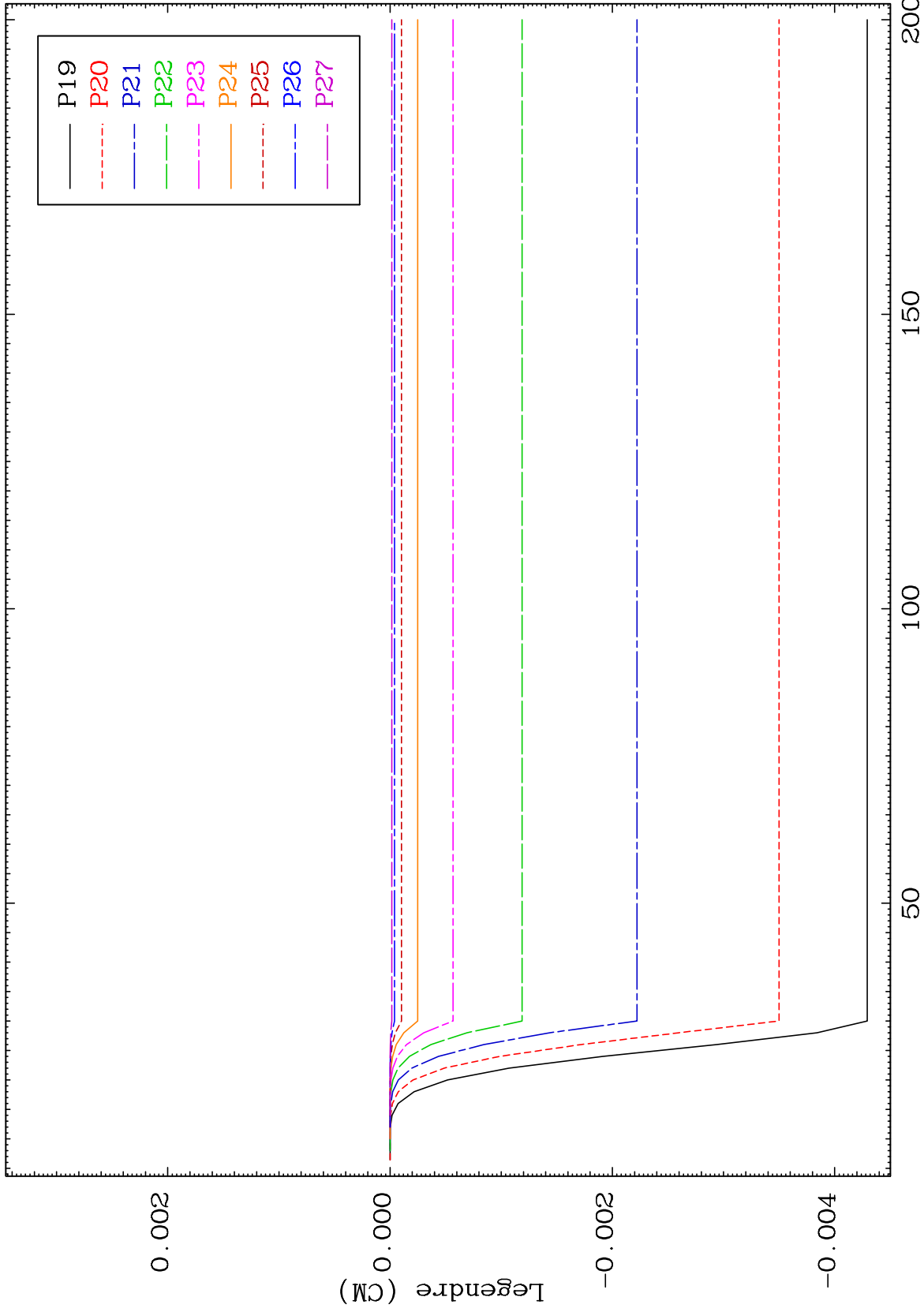
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



83

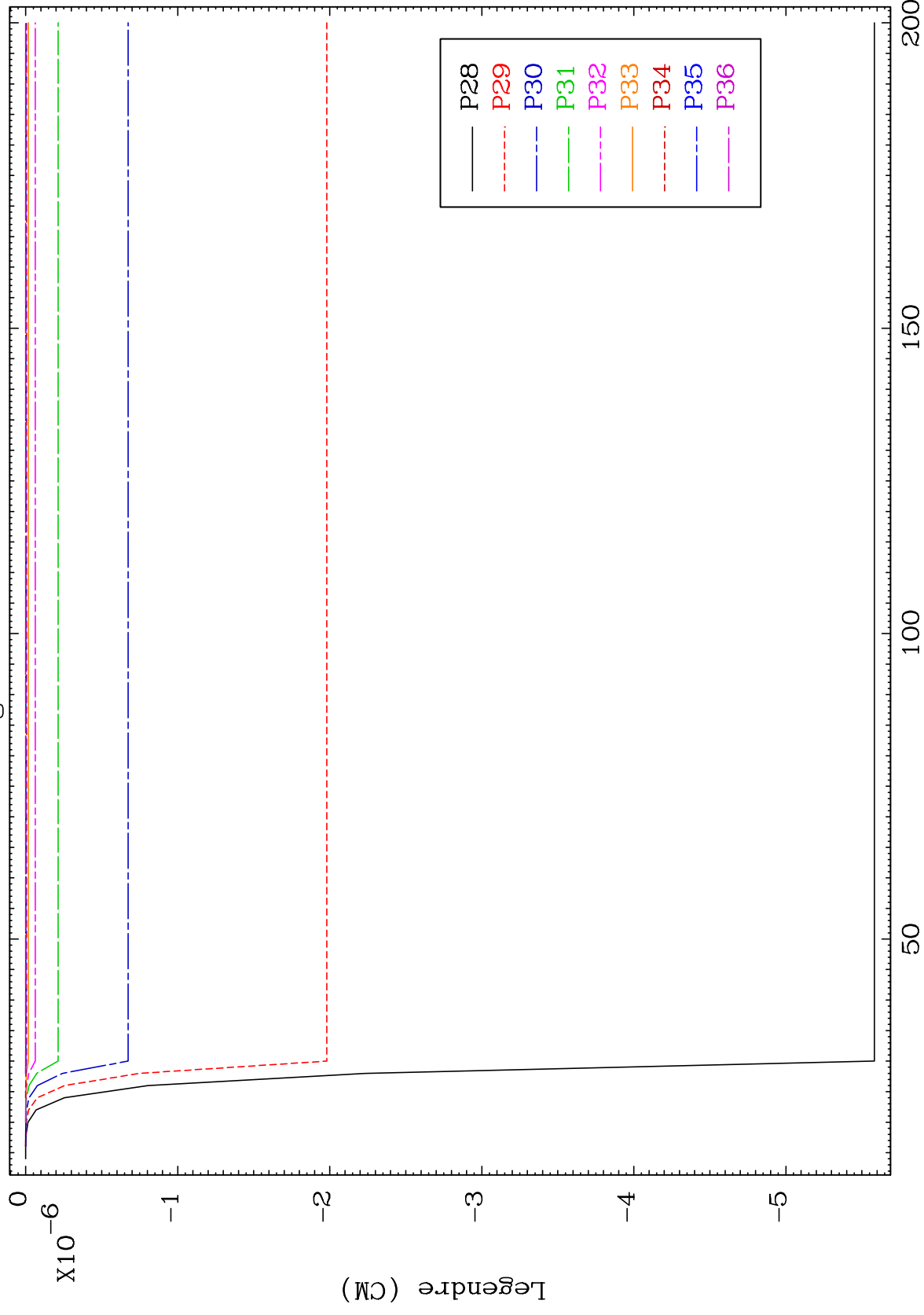
Incident Energy (MeV)

63-Eu-142

MAT 6298

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

63-Eu-142



84

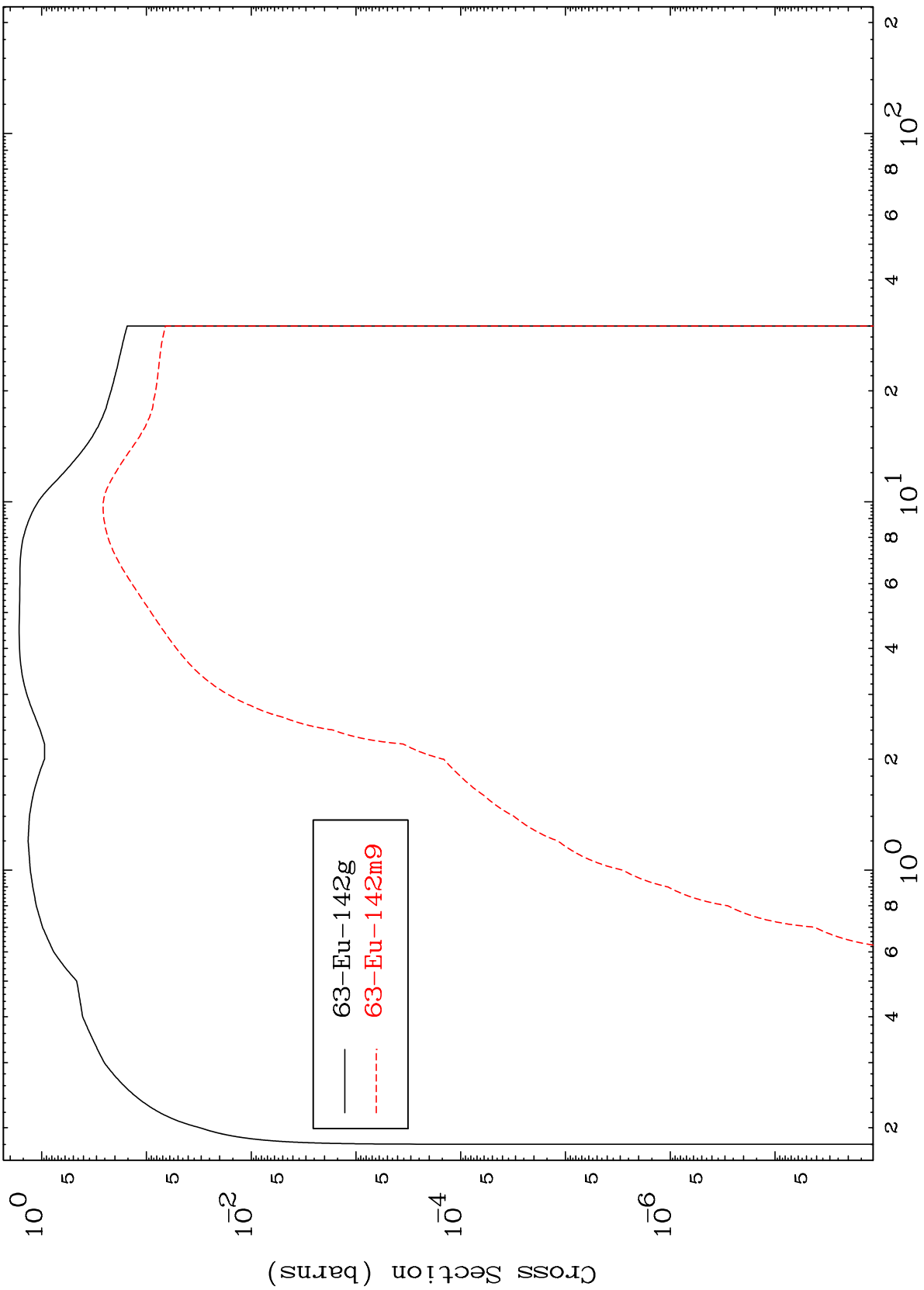
Incident Energy (MeV)

63-Eu-142

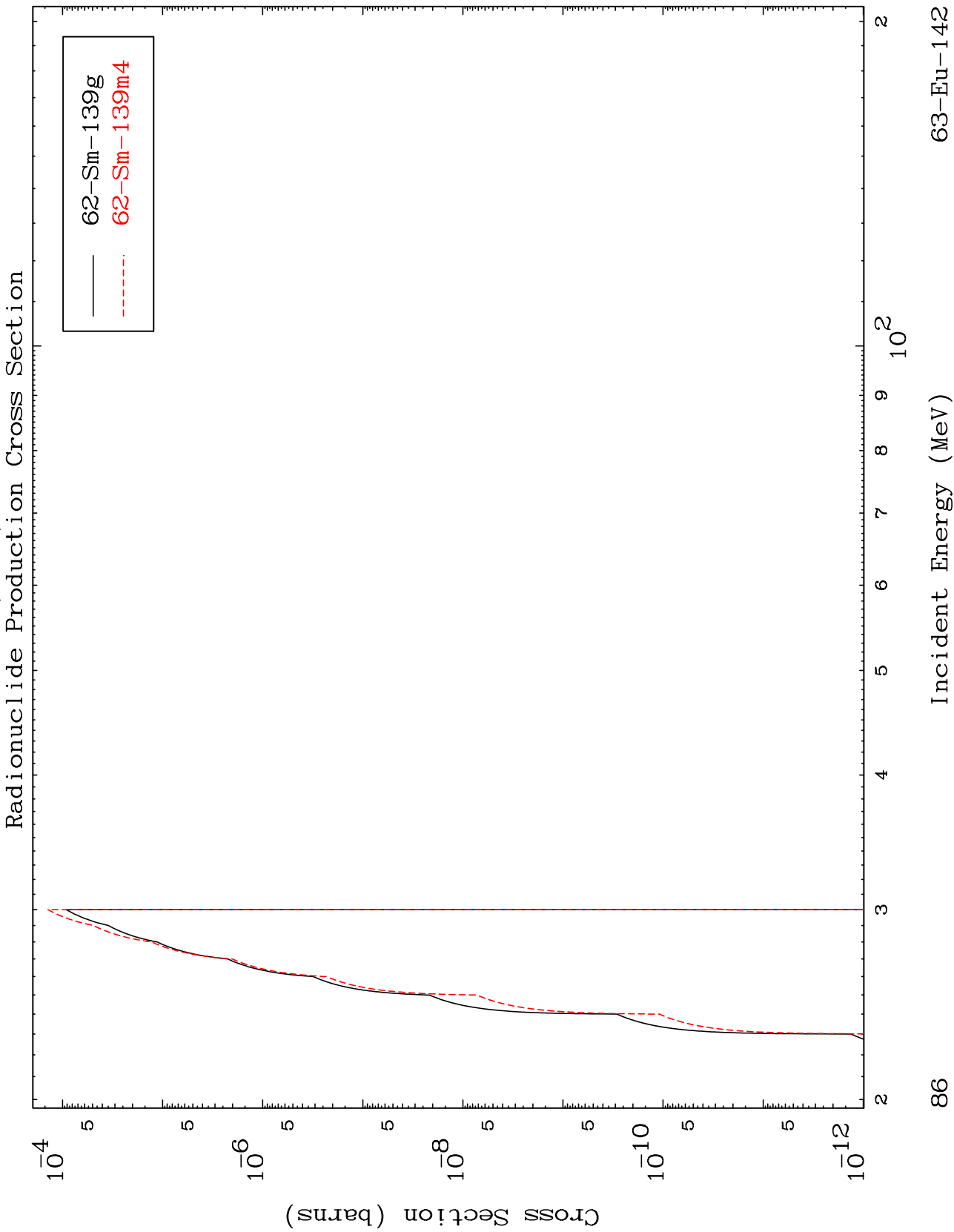
MAT 6298

63-Eu-142

Inelastic
Radionuclide Production Cross Section



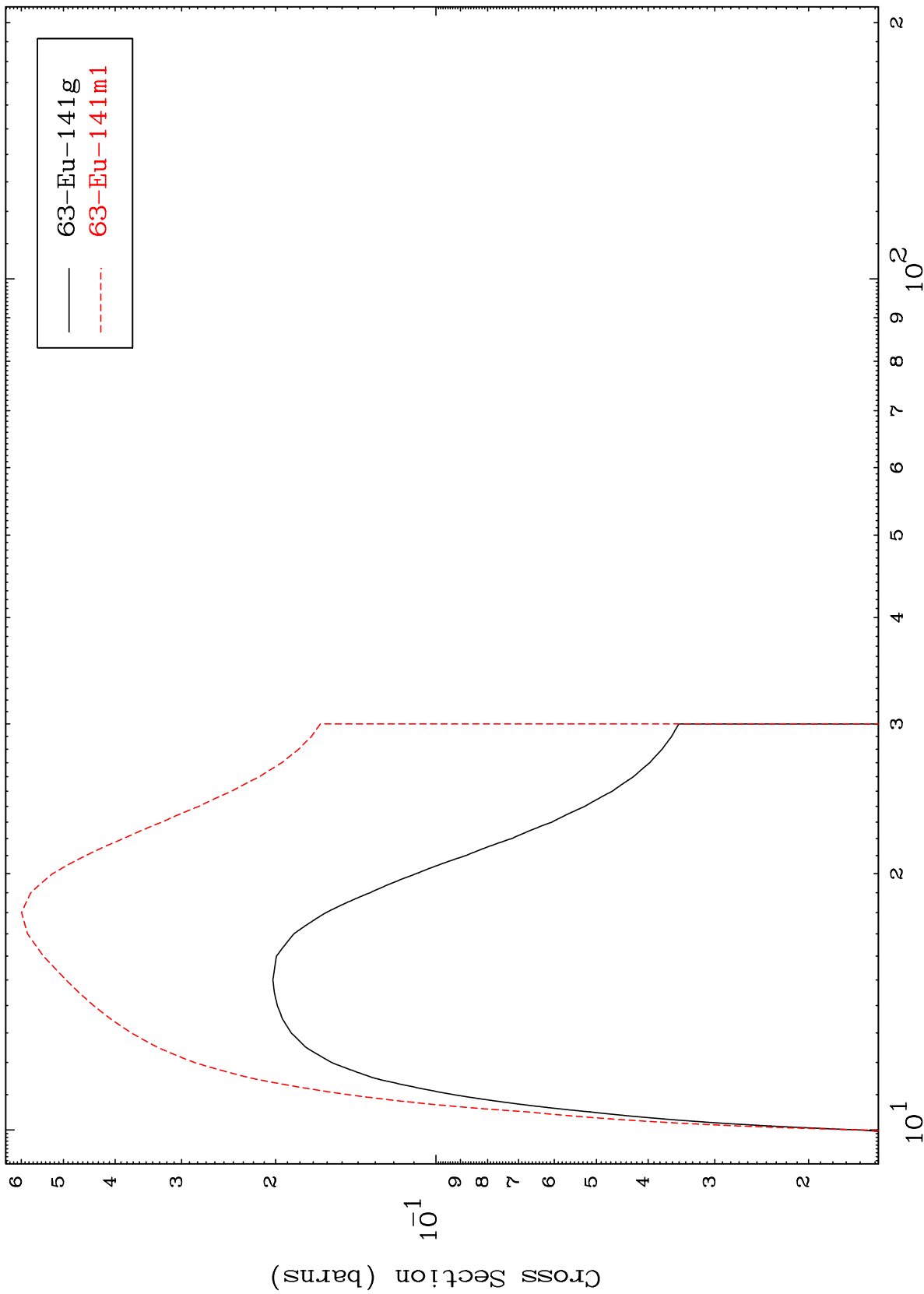
63-Eu-142g
63-Eu-142m9



MAT 6298

63-Eu-142

(n,2n)
Radionuclide Production Cross Section



87

Incident Energy (MeV)

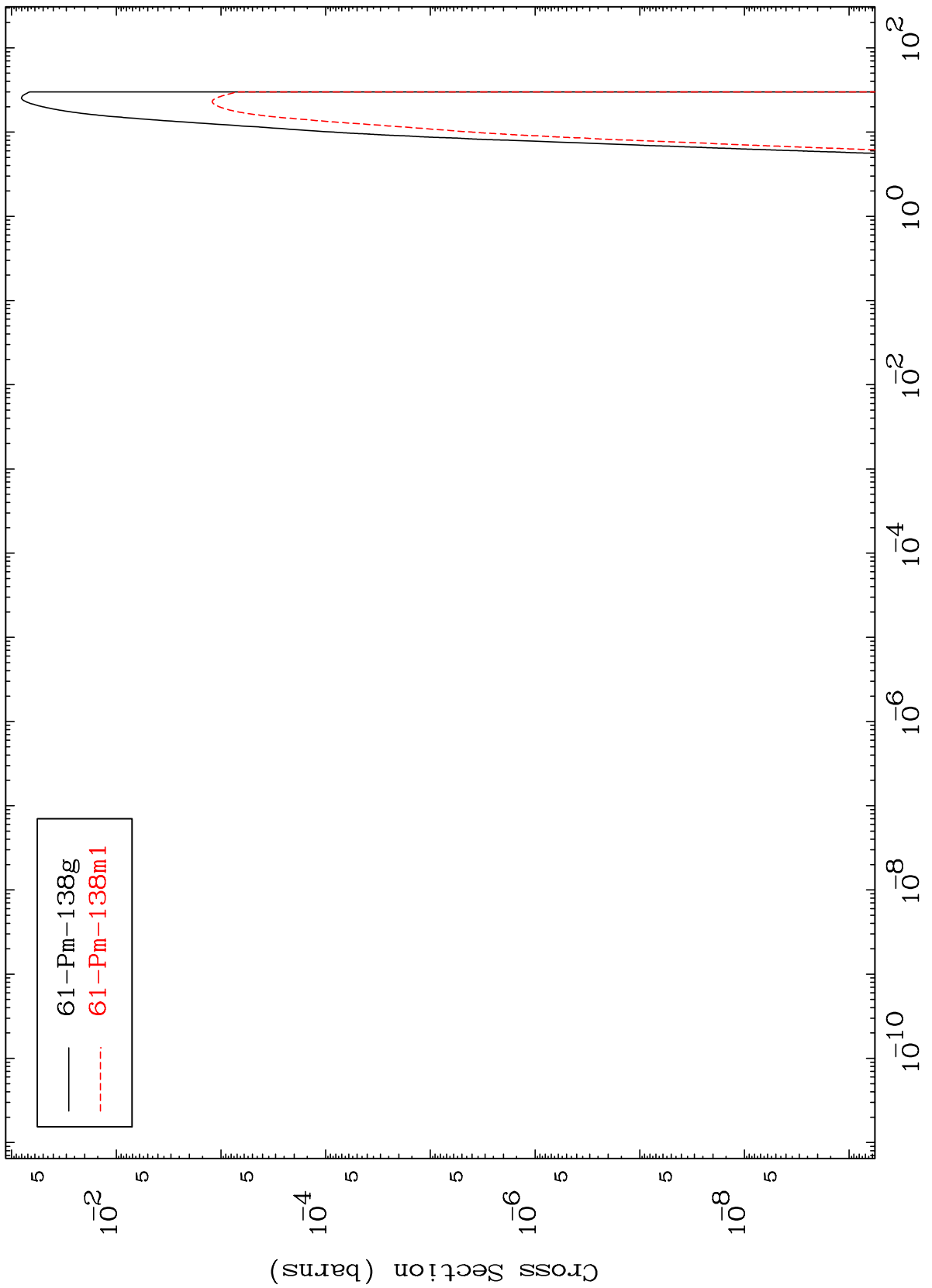
63-Eu-142

MAT 6298

$(n, n') \alpha$

63-Eu-142

Radionuclide Production Cross Section



— 61-Pm-138g
- - - 61-Pm-138m1

88

Incident Energy (MeV)

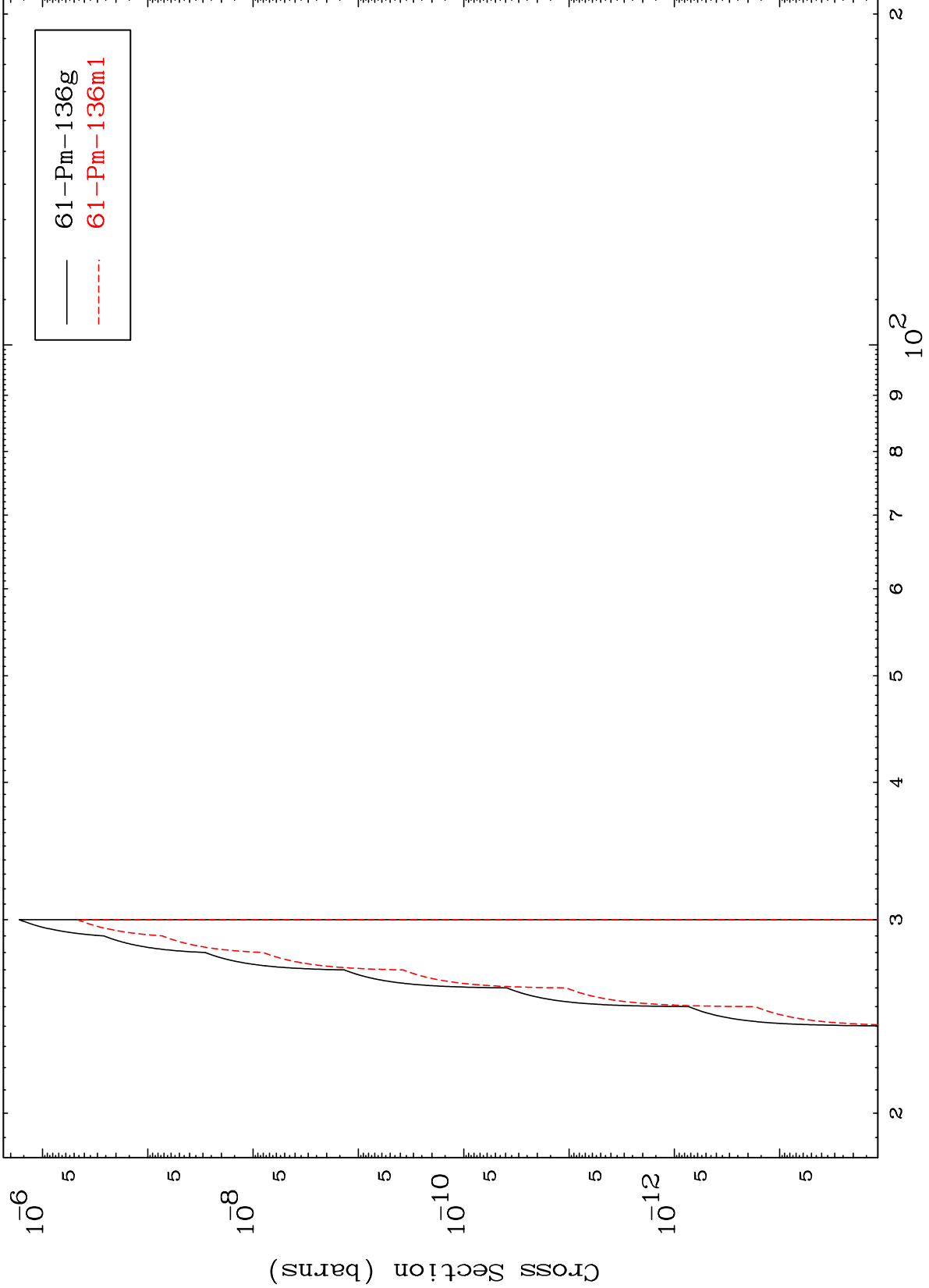
63-Eu-142

MAT 6298

(n,3n) α

63-Eu-142

Radionuclide Production Cross Section



89

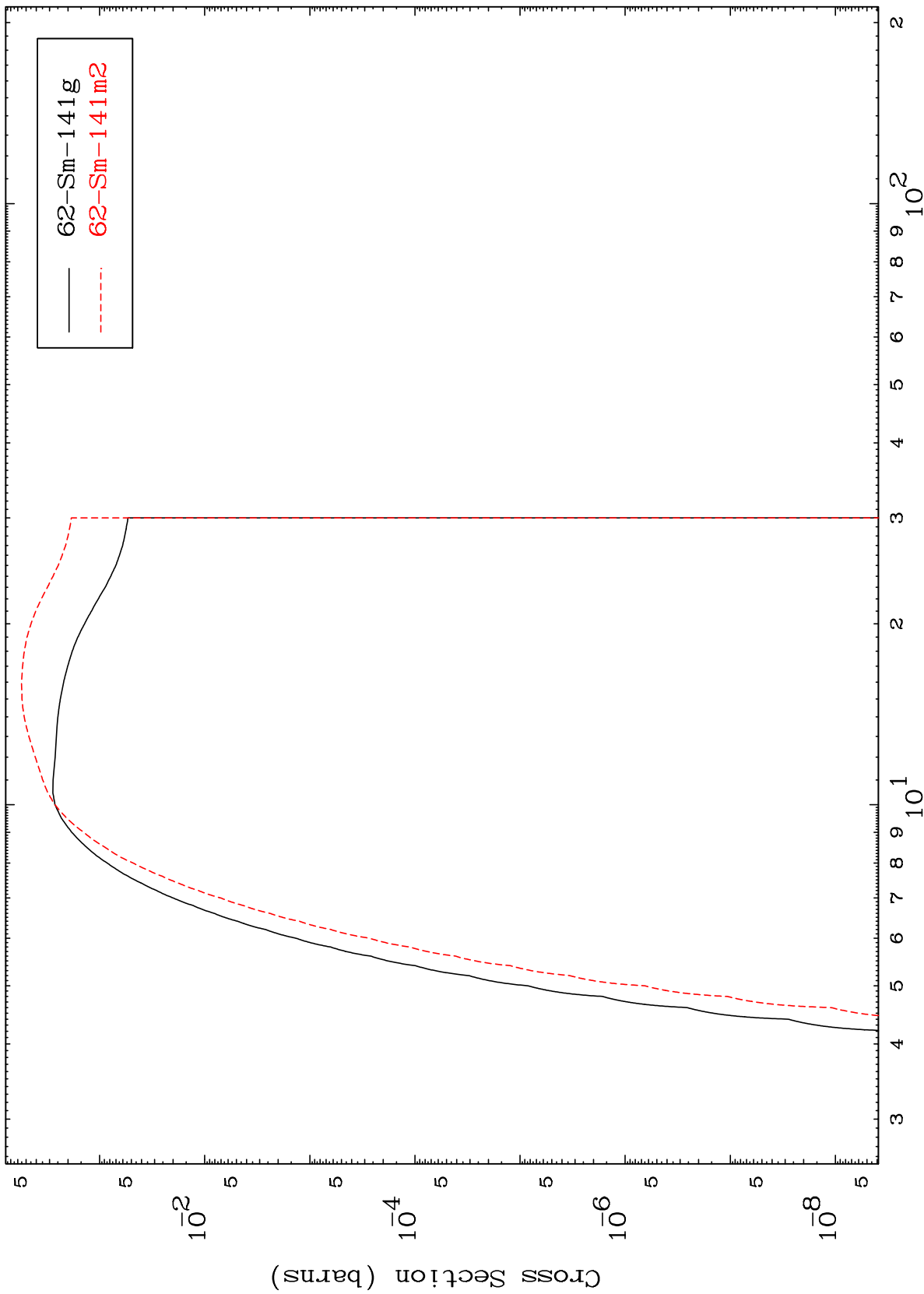
Incident Energy (MeV)

63-Eu-142

MAT 6298

63-Eu-142

(n, n') p
Radionuclide Production Cross Section



90

Incident Energy (MeV)

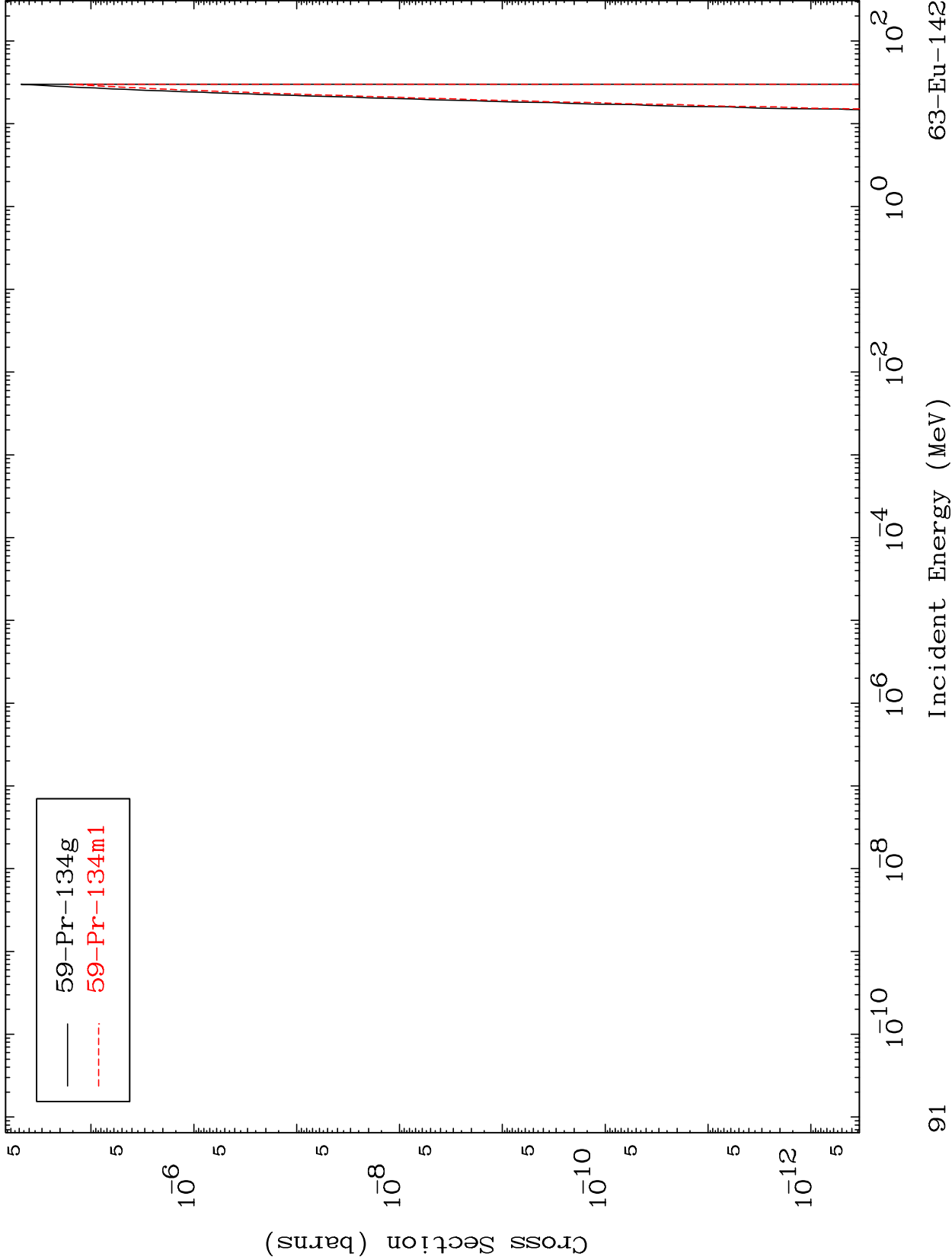
63-Eu-142

MAT 6298

(n,n') 2 α

63-Eu-142

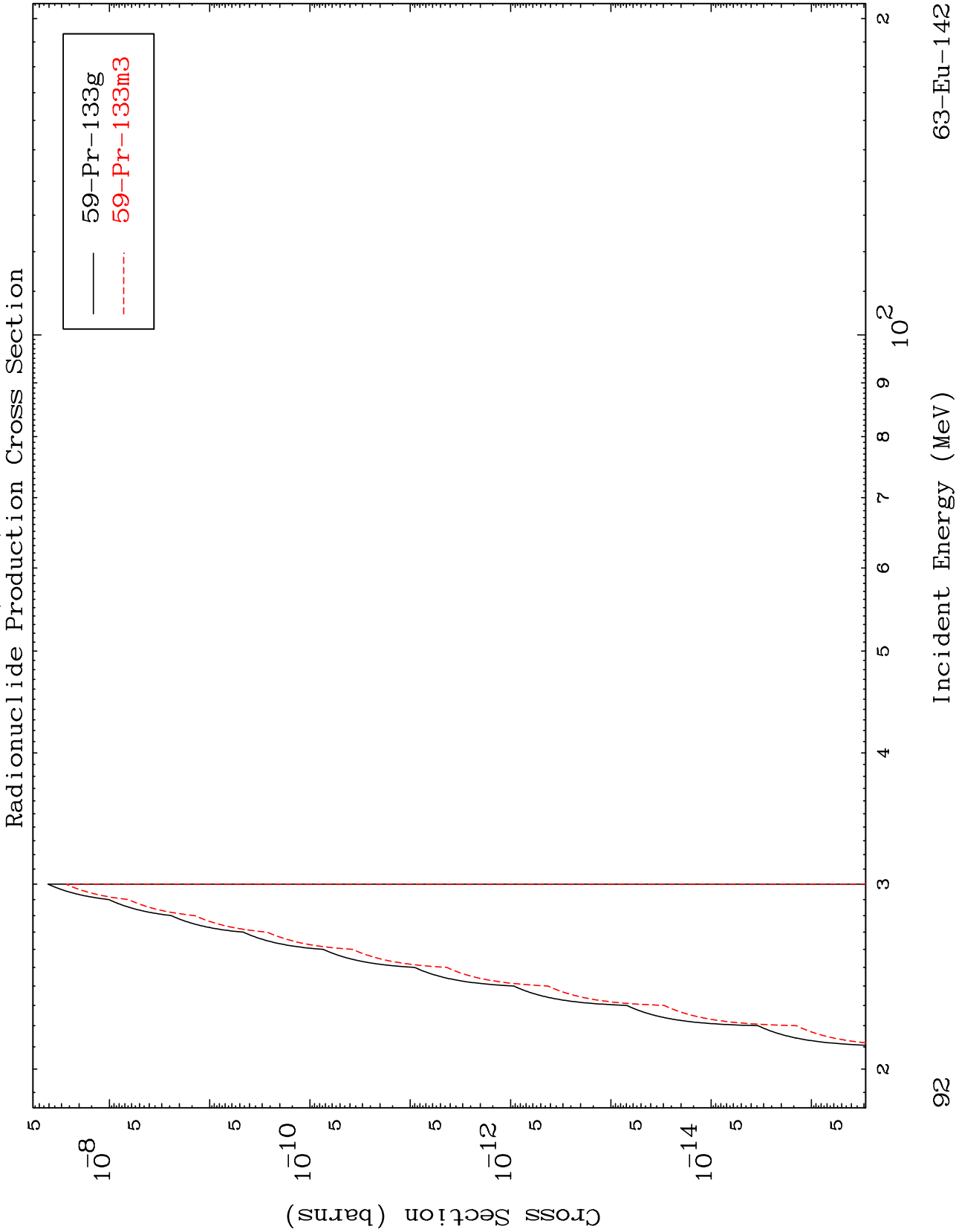
Radionuclide Production Cross Section



MAT 6298

(n,2n) 2 α

63-Eu-142



92

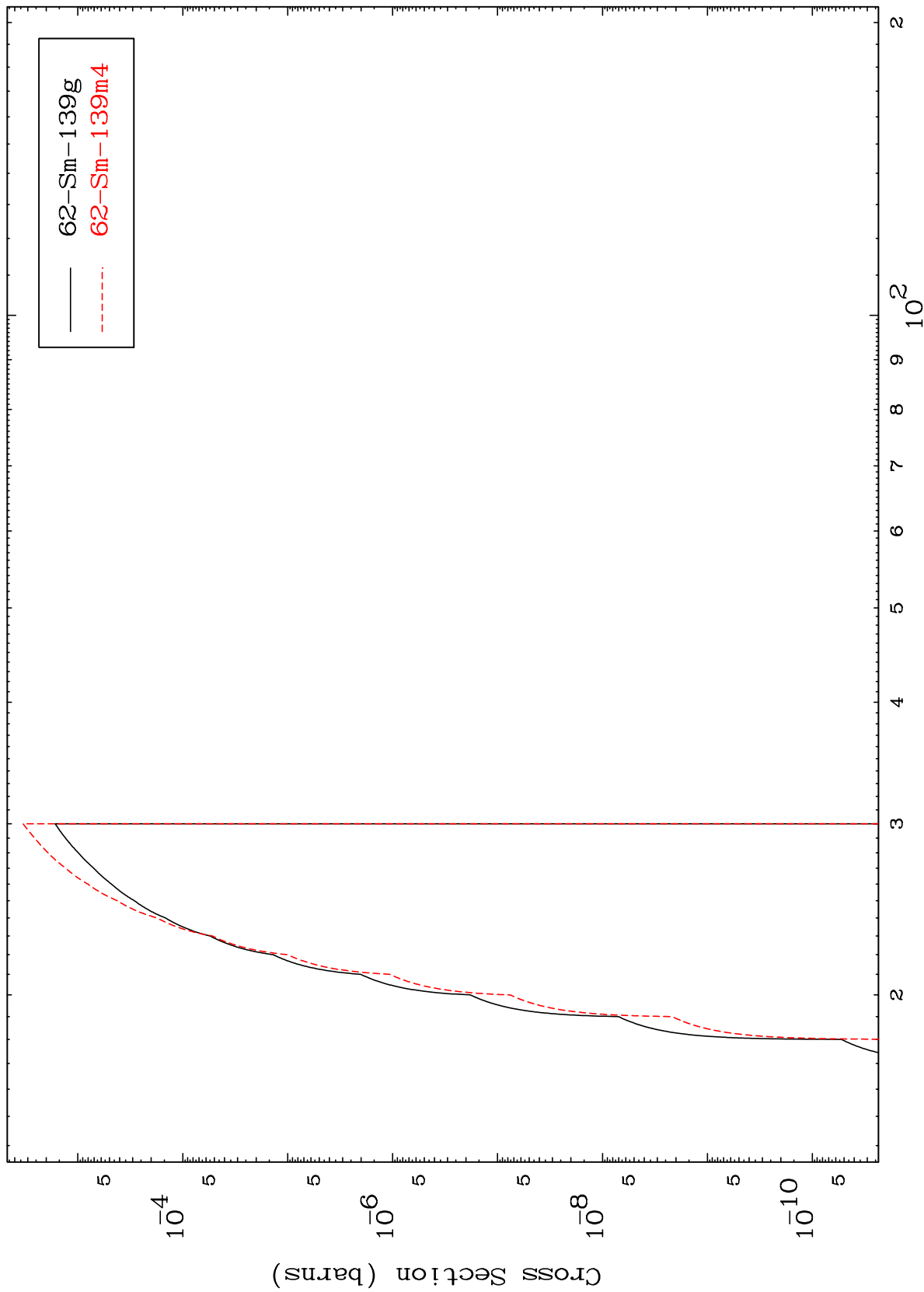
63-Eu-142

MAT 6298

(n,n') t

63-Eu-142

Radionuclide Production Cross Section



93

Incident Energy (MeV)

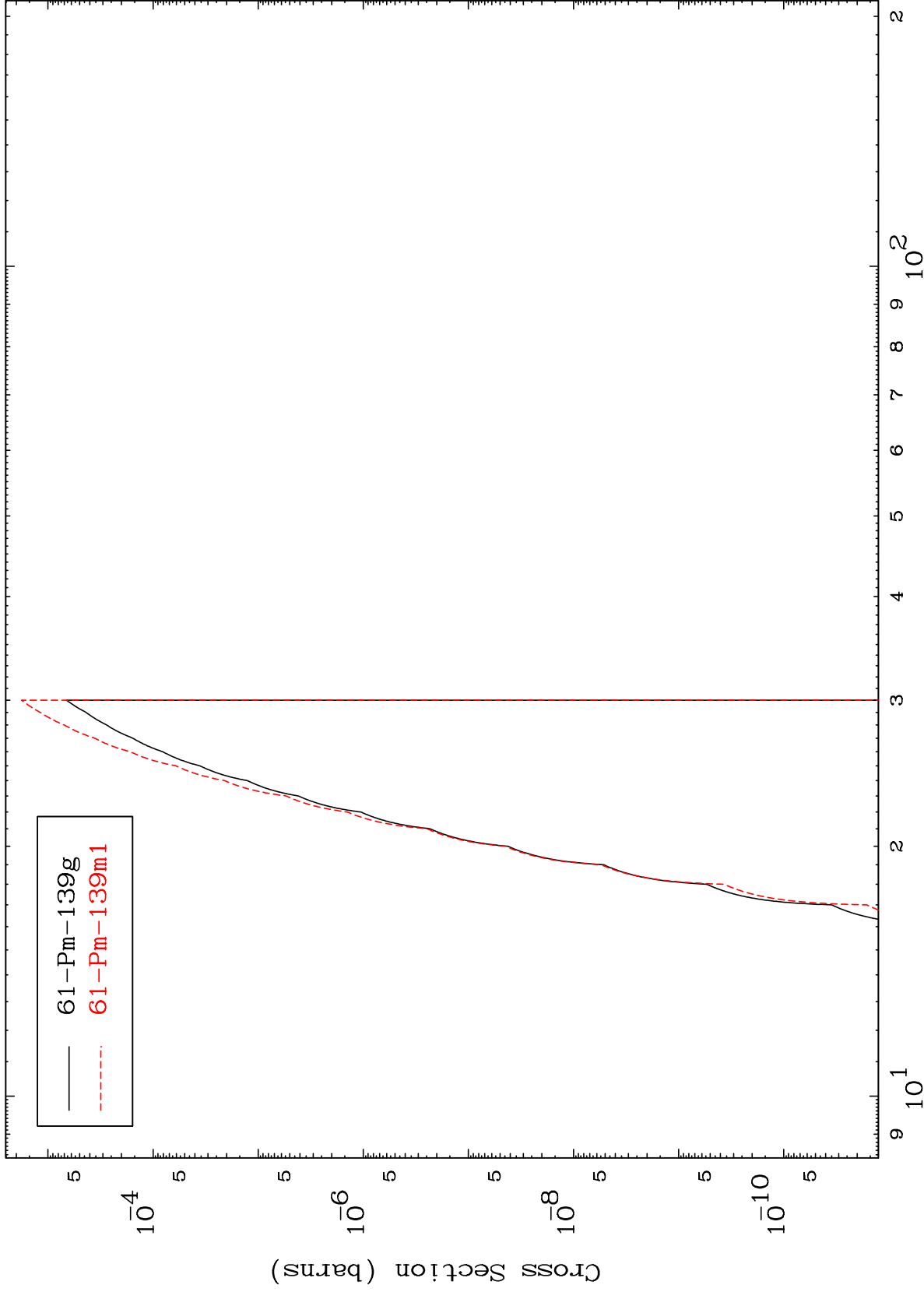
63-Eu-142

MAT 6298

(n,n') He-3

63-Eu-142

Radionuclide Production Cross Section



94

Incident Energy (MeV)

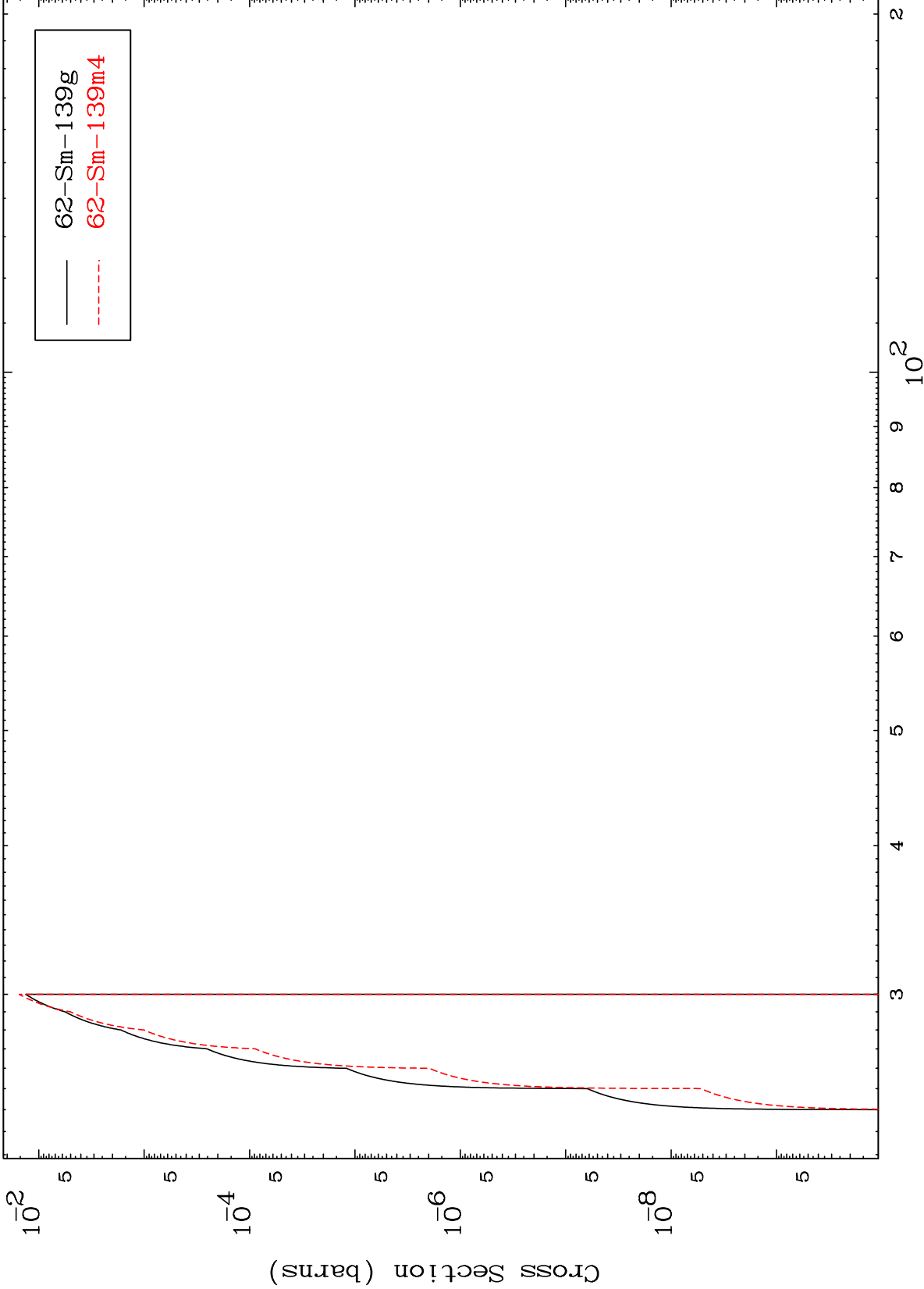
63-Eu-142

MAT 6298

(n,3n) p

63-Eu-142

Radionuclide Production Cross Section



95

Incident Energy (MeV)

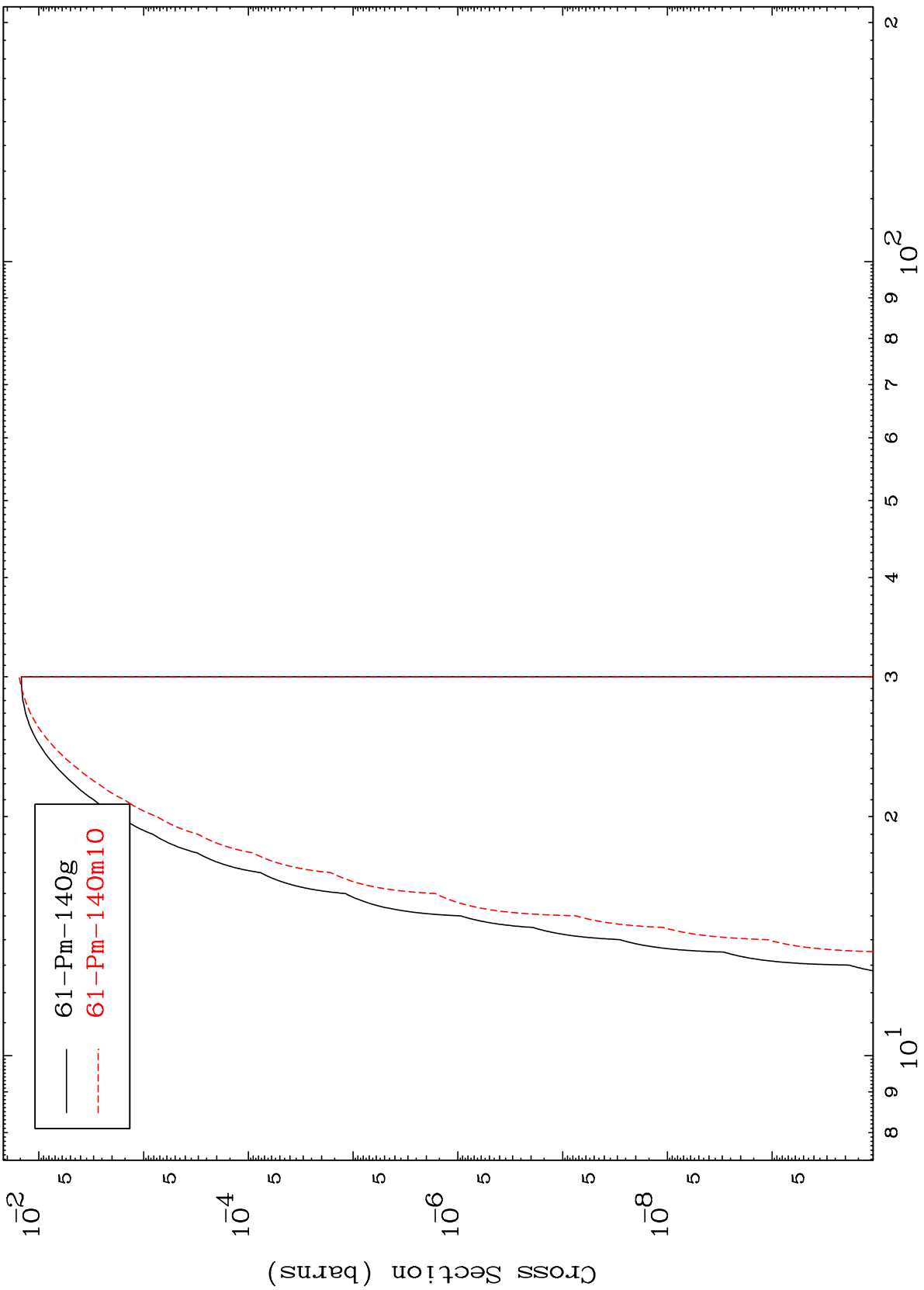
63-Eu-142

MAT 6298

(n,2n) p

63-Eu-142

Radionuclide Production Cross Section



61-Pm-140g
61-Pm-140m10

96

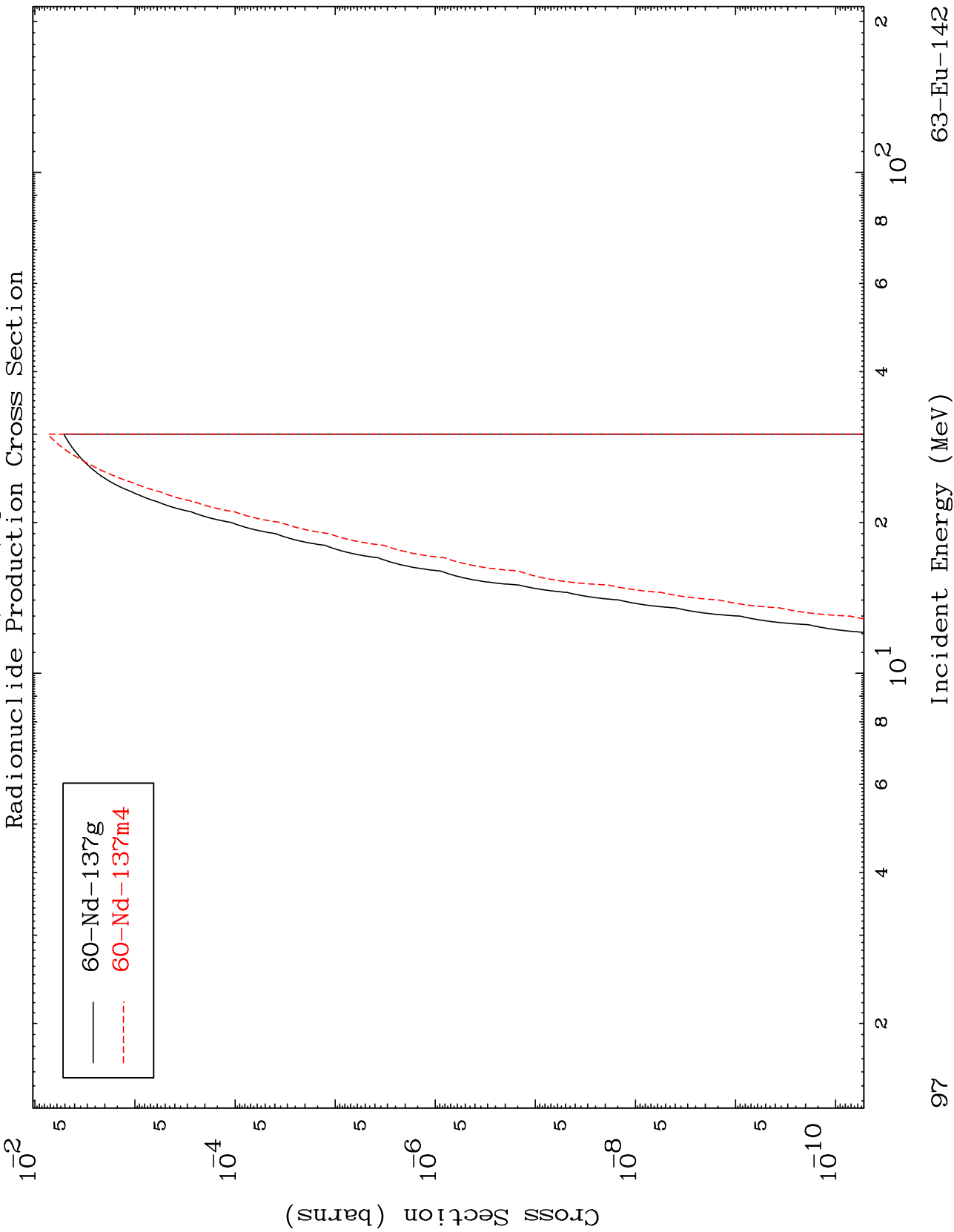
Incident Energy (MeV)

63-Eu-142

MAT 6298

(n,n') p α

63-Eu-142

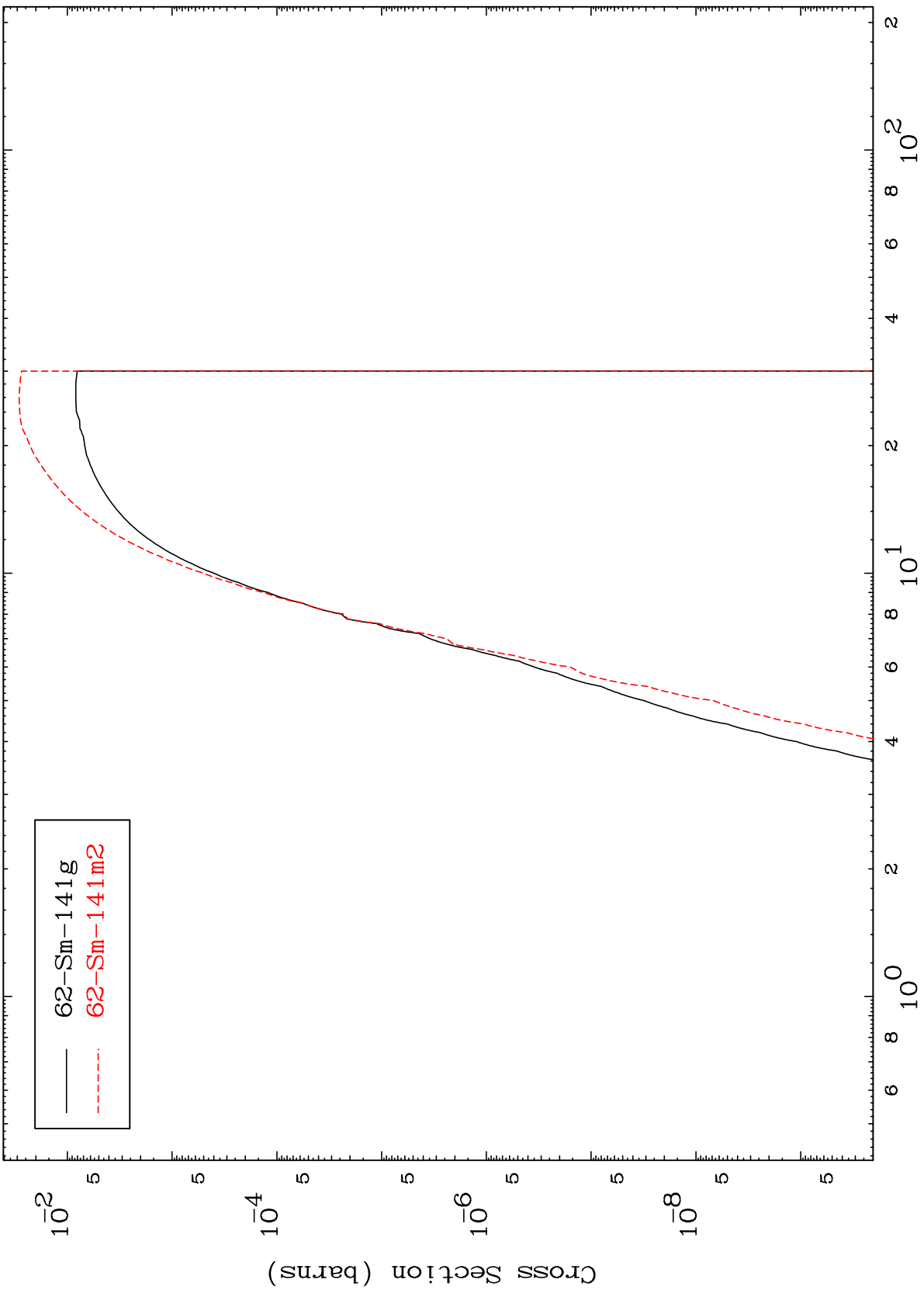
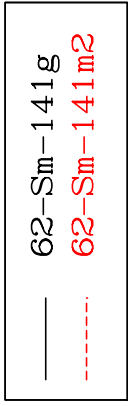


MAT 6298

(n,d)

63-Eu-142

Radionuclide Production Cross Section



98

Incident Energy (MeV)

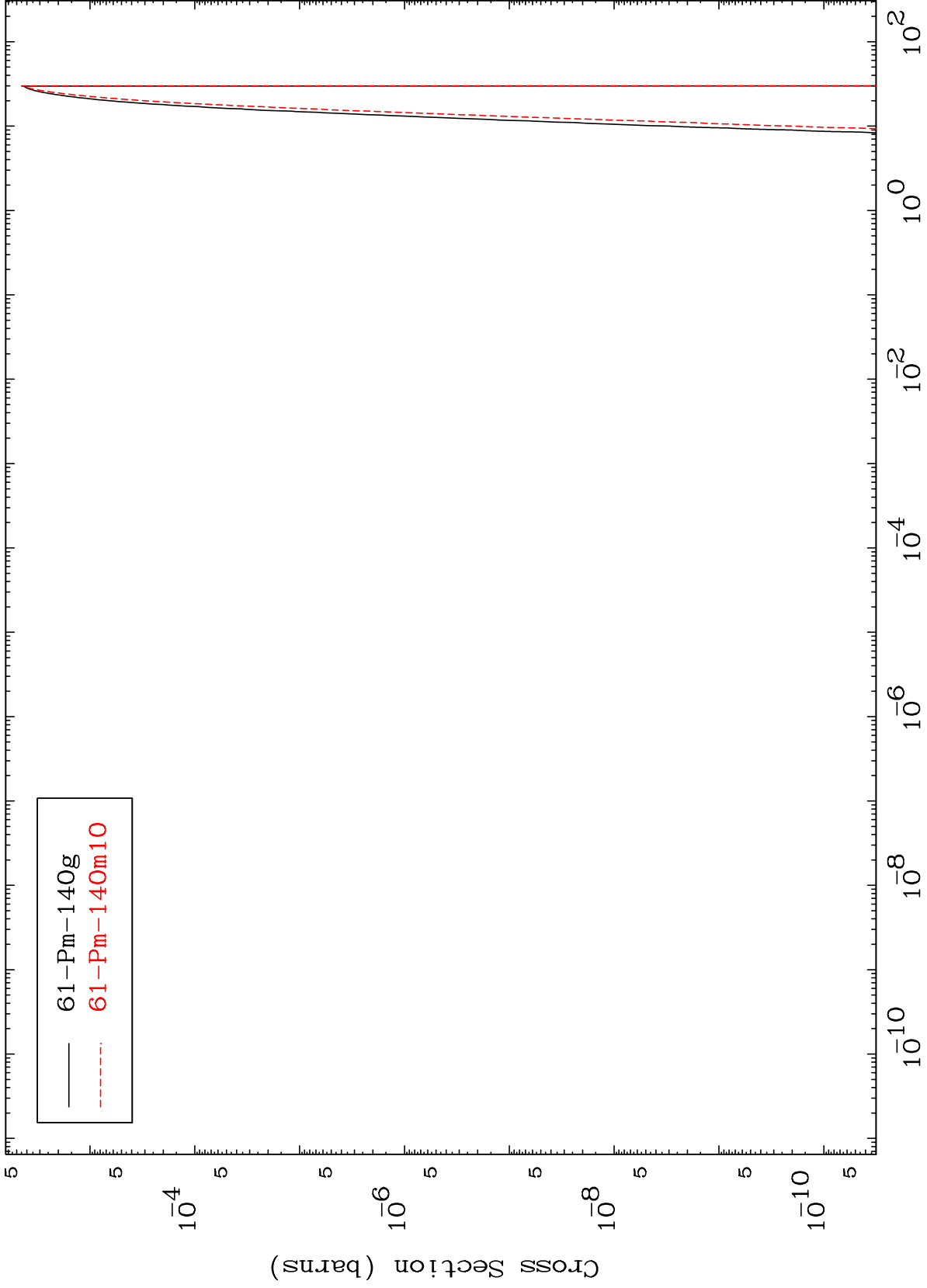
63-Eu-142

MAT 6298

(n,He-3)

63-Eu-142

Radionuclide Production Cross Section



61-Pm-140g
61-Pm-140m10

99

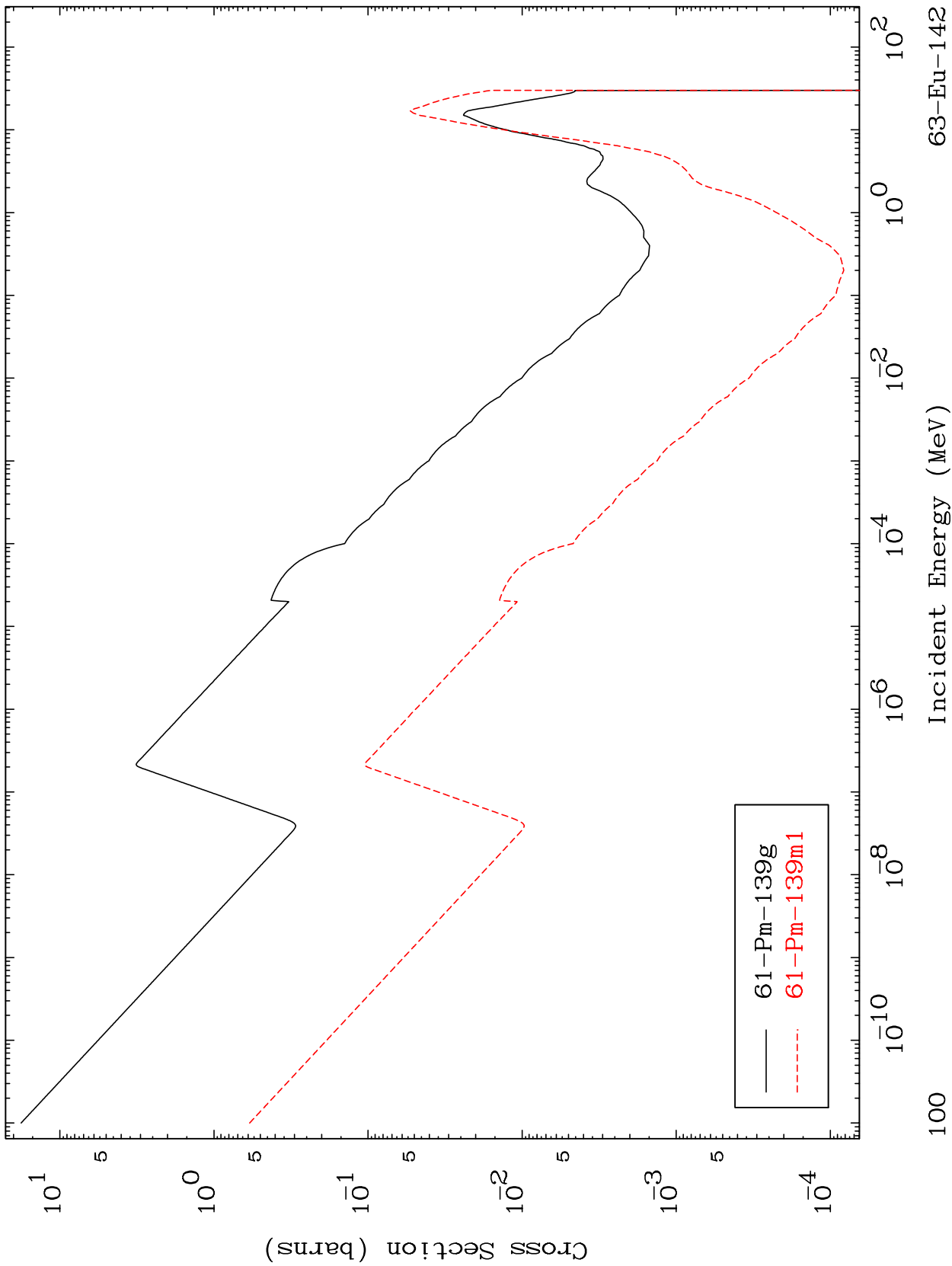
Incident Energy (MeV)

63-Eu-142

MAT 6298

63-Eu-142

(n, α)
Radionuclide Production Cross Section

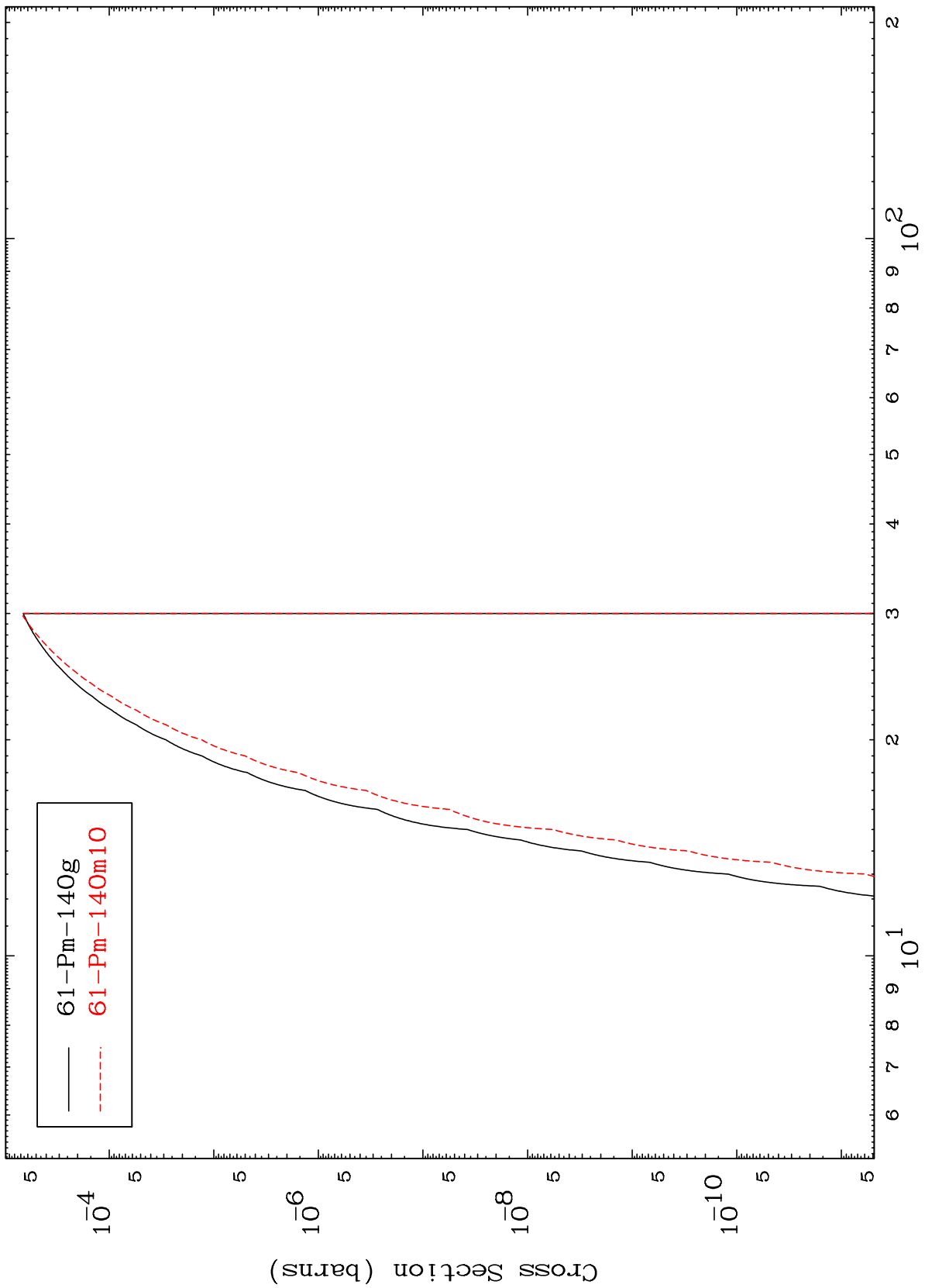


MAT 6298

(n,p) d

63-Eu-142

Radionuclide Production Cross Section



61-Pm-140g
61-Pm-140m10

101

Incident Energy (MeV)

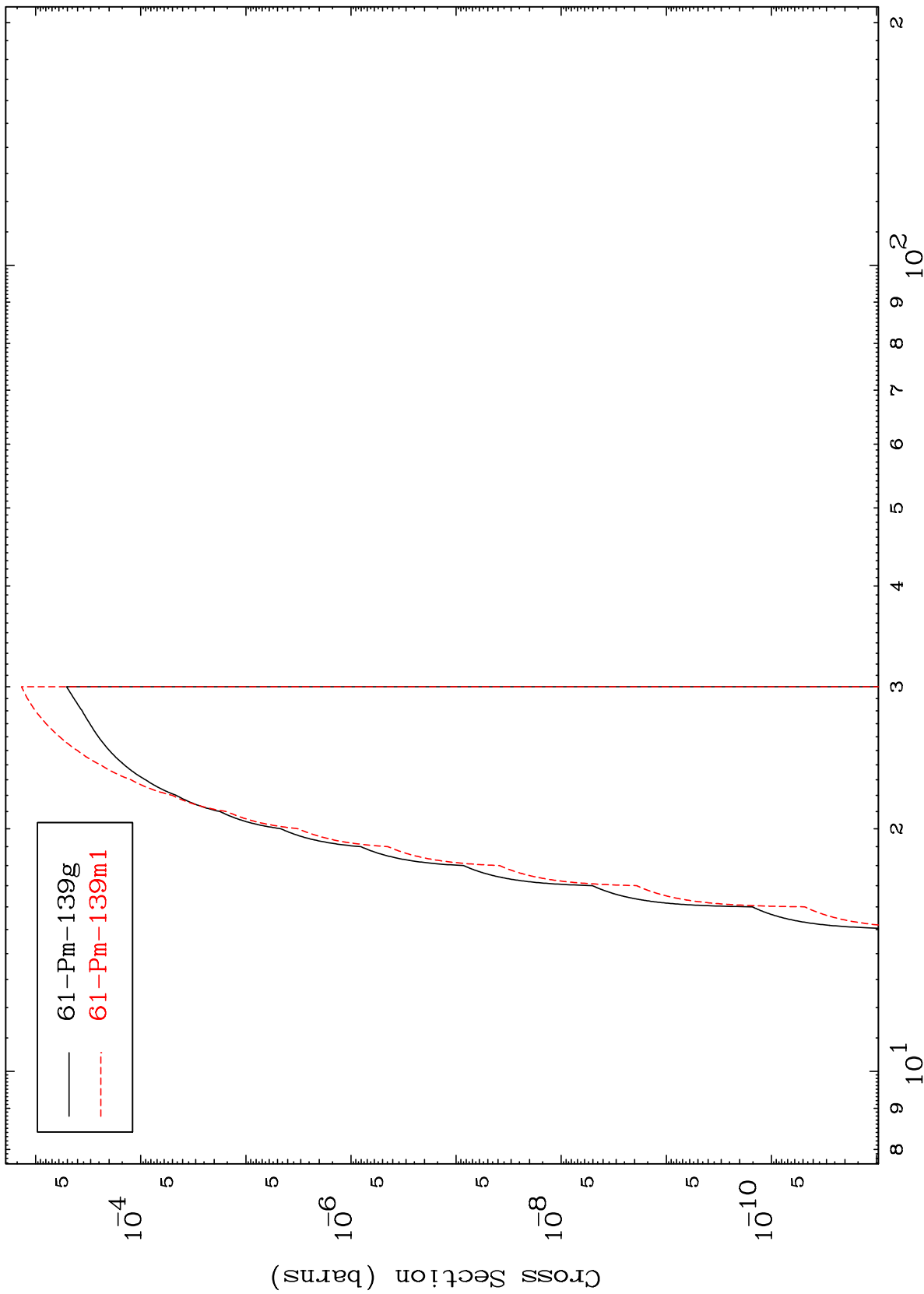
63-Eu-142

MAT 6298

(n,p) t

63-Eu-142

Radionuclide Production Cross Section



102

Incident Energy (MeV)

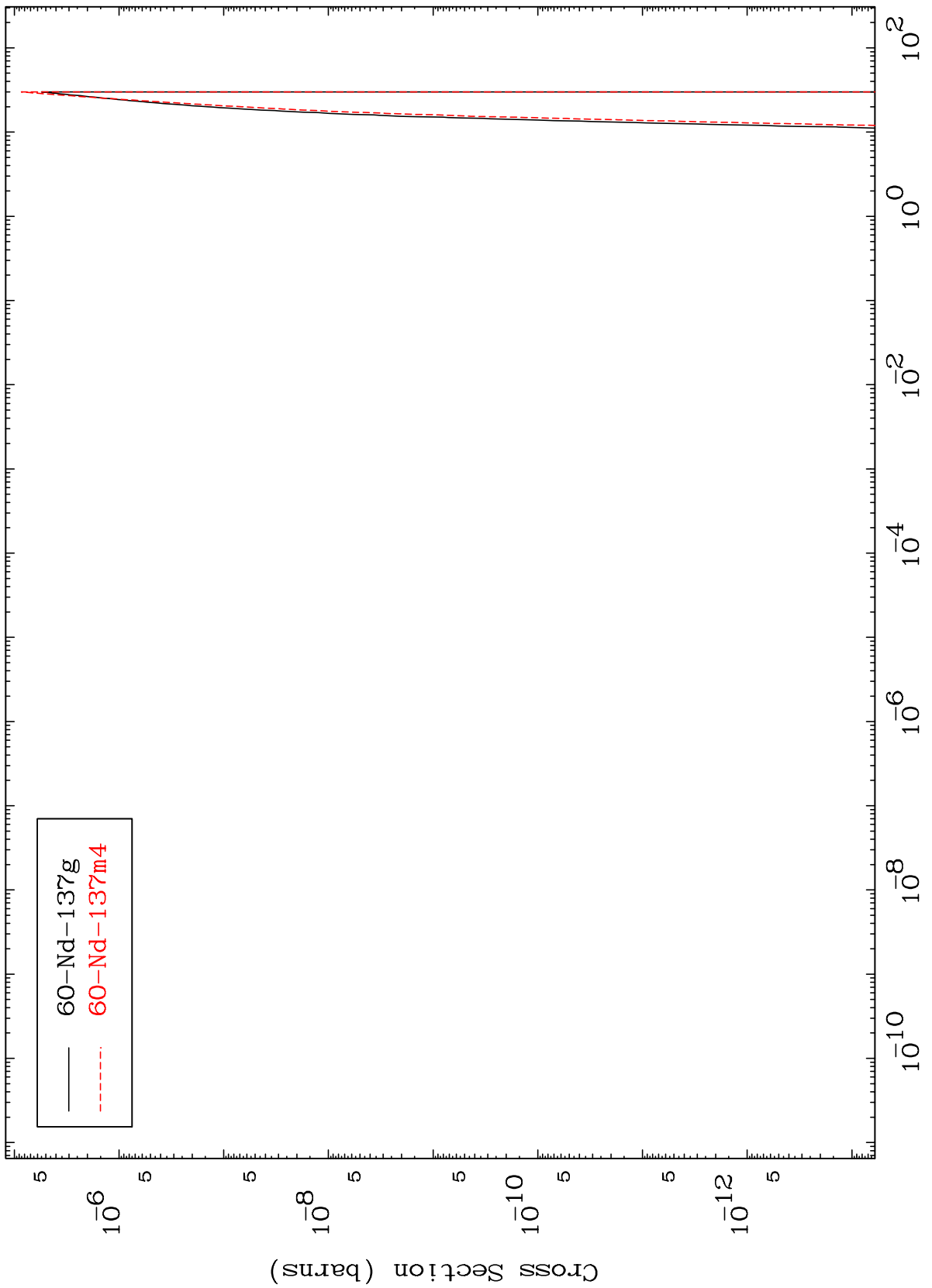
63-Eu-142

MAT 6298

(n,d) α

63-Eu-142

Radionuclide Production Cross Section



103

Incident Energy (MeV)

63-Eu-142