

Program EVALPLOT
(Version 2021-1)

by

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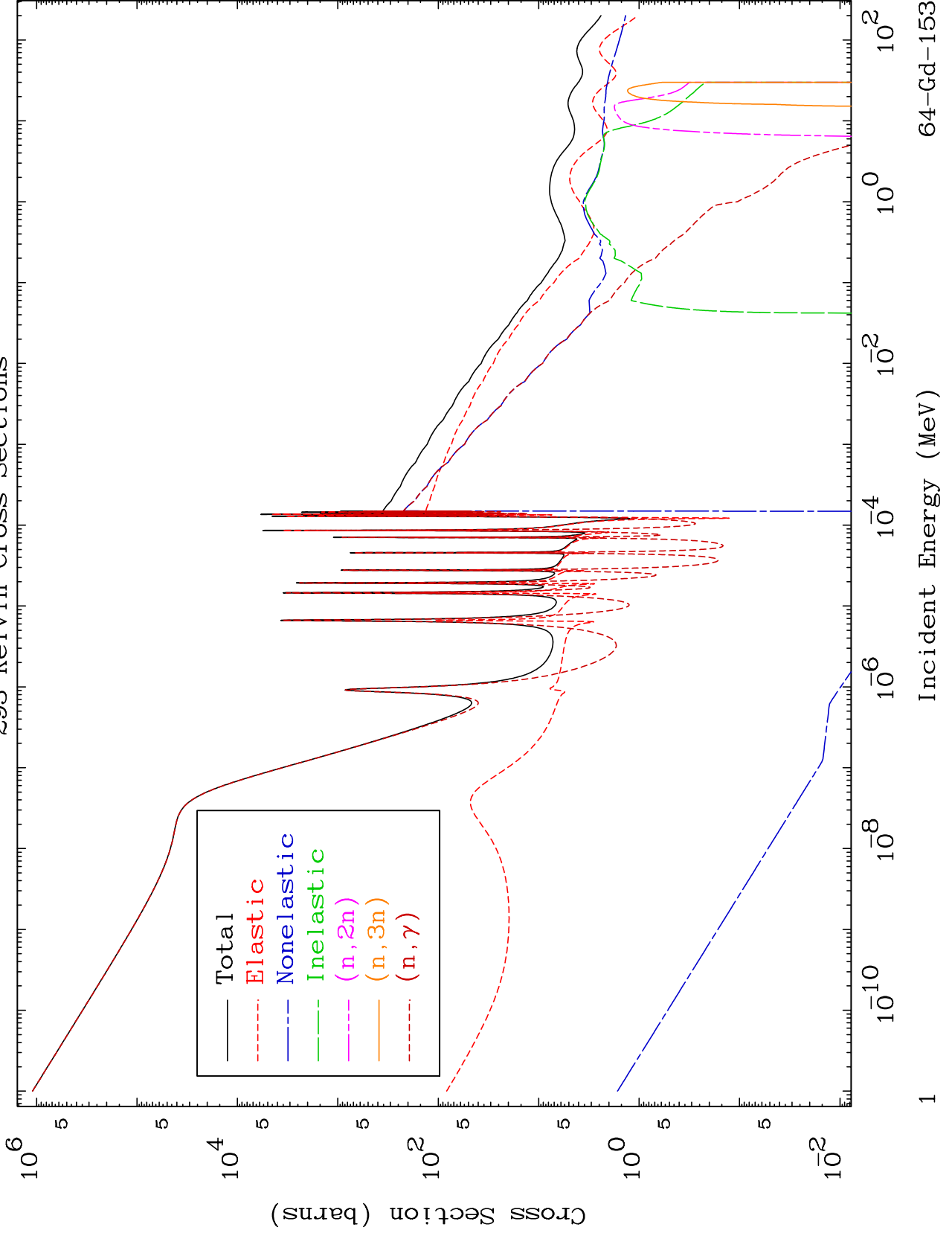
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Press Mouse Button to Start

MAT 6428

Neutron Major
293 Kelvin Cross Sections

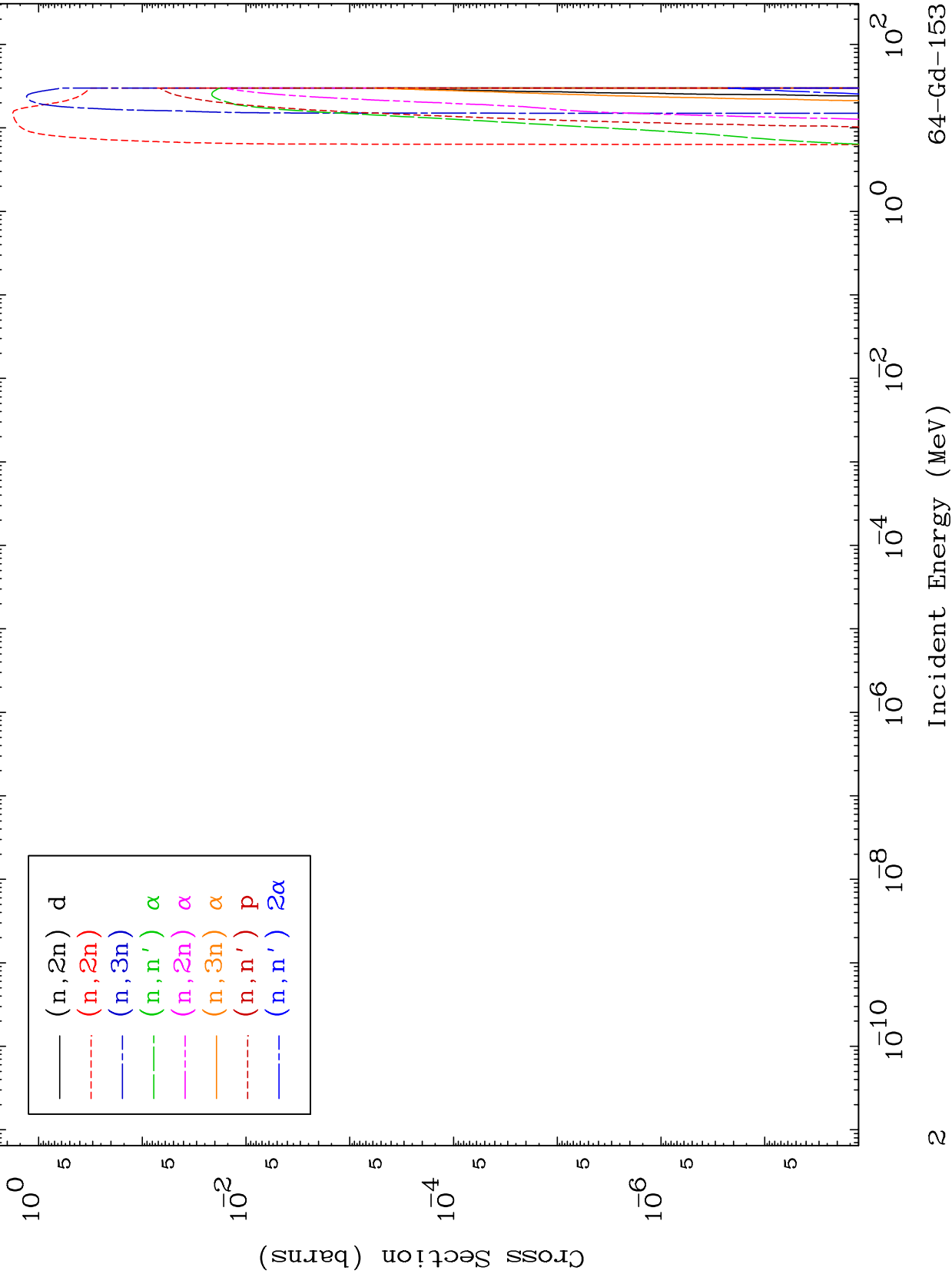
64-Gd-153



MAT 6428

Neutron Absorption
293 Kelvin Cross Sections

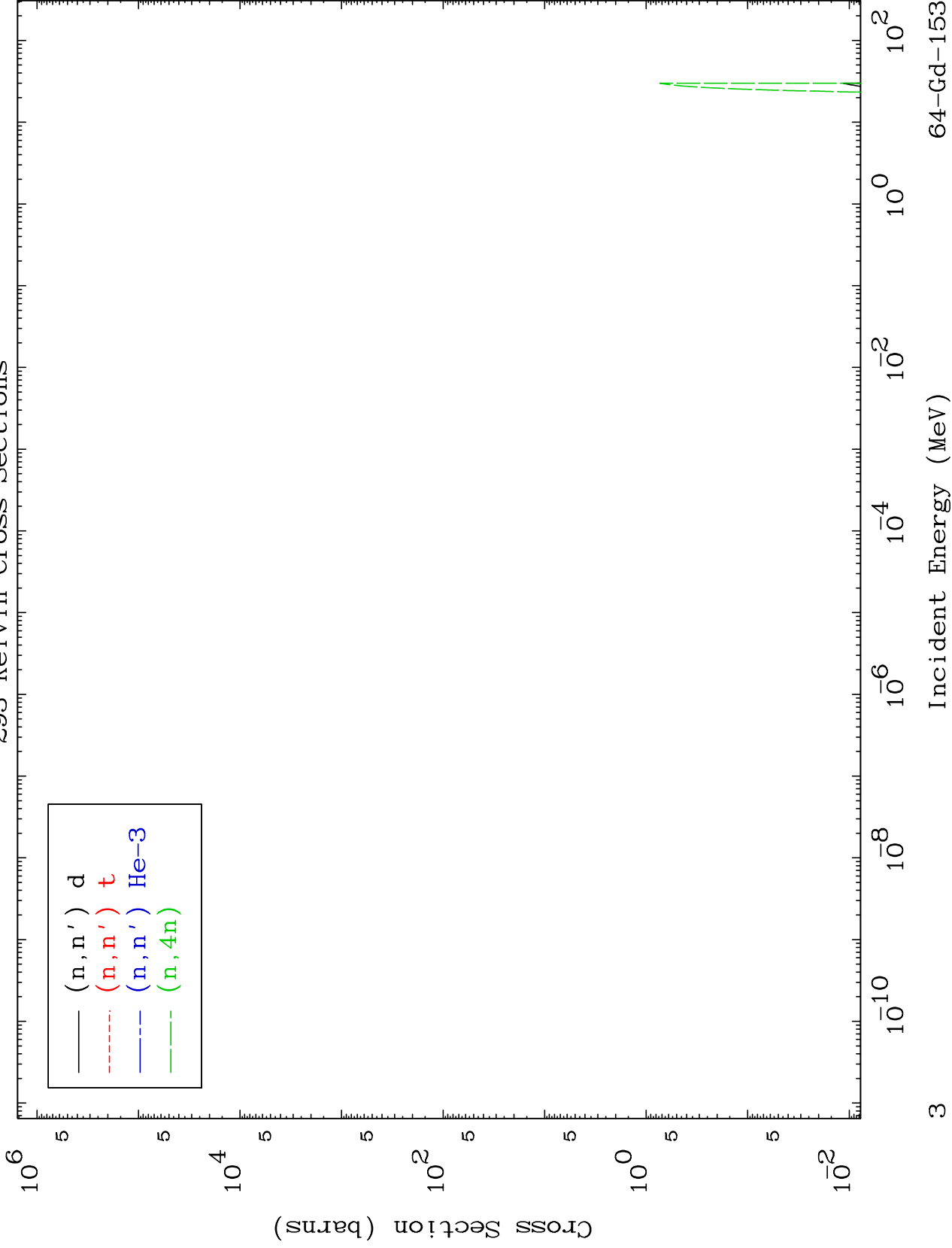
64-Gd-153



MAT 6428

Neutron Absorption
293 Kelvin Cross Sections

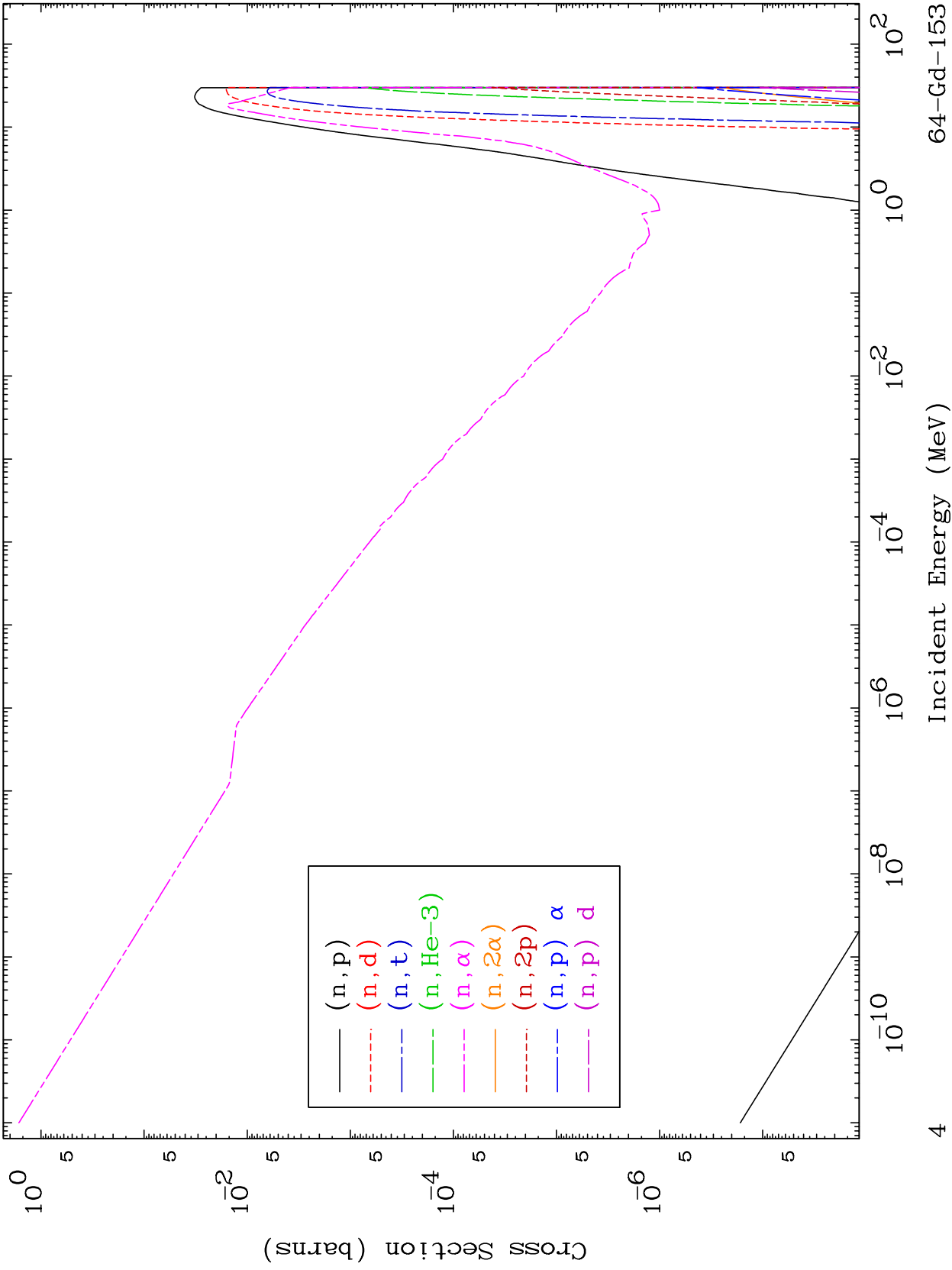
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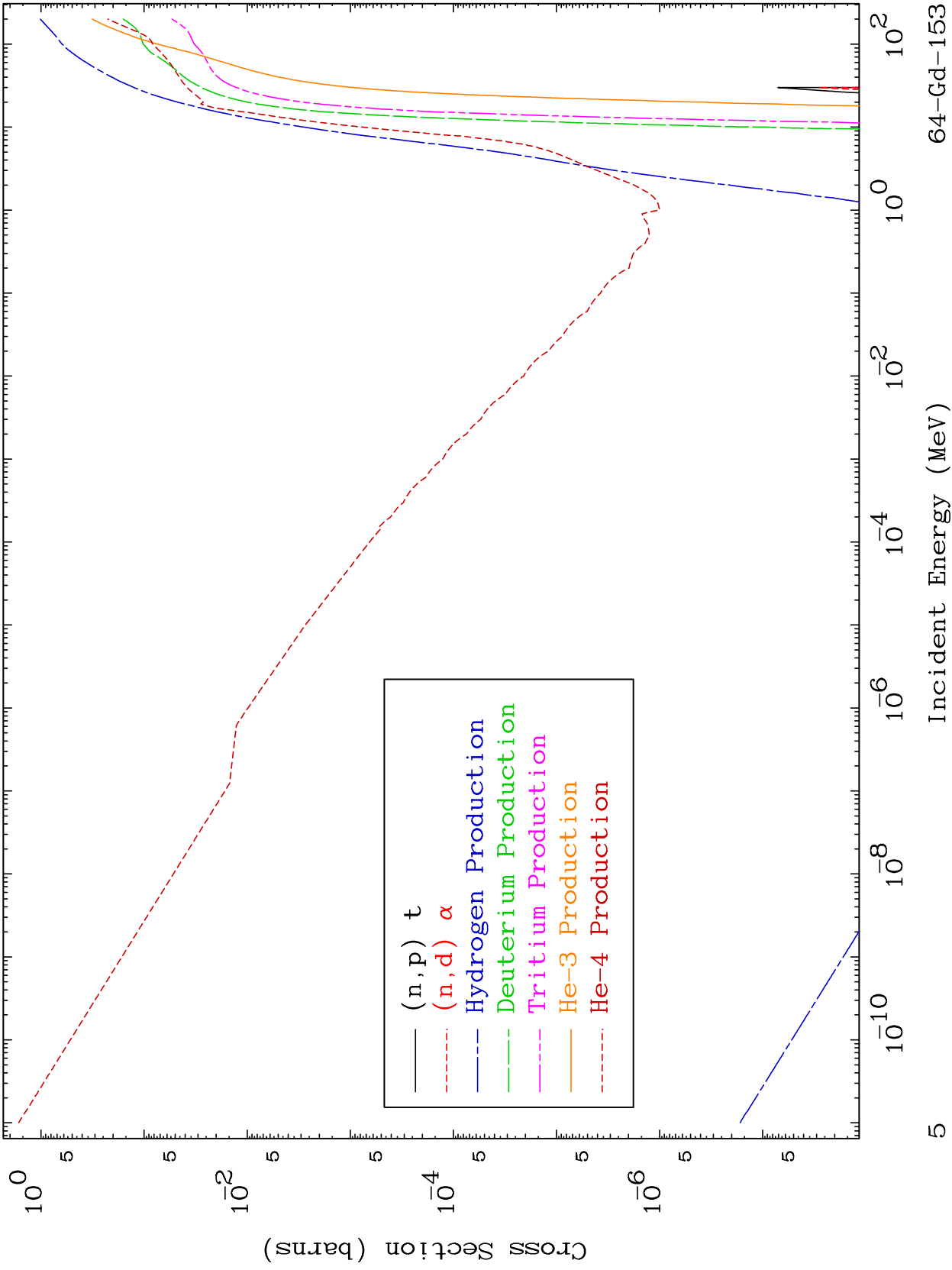


MAT 6428

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-153

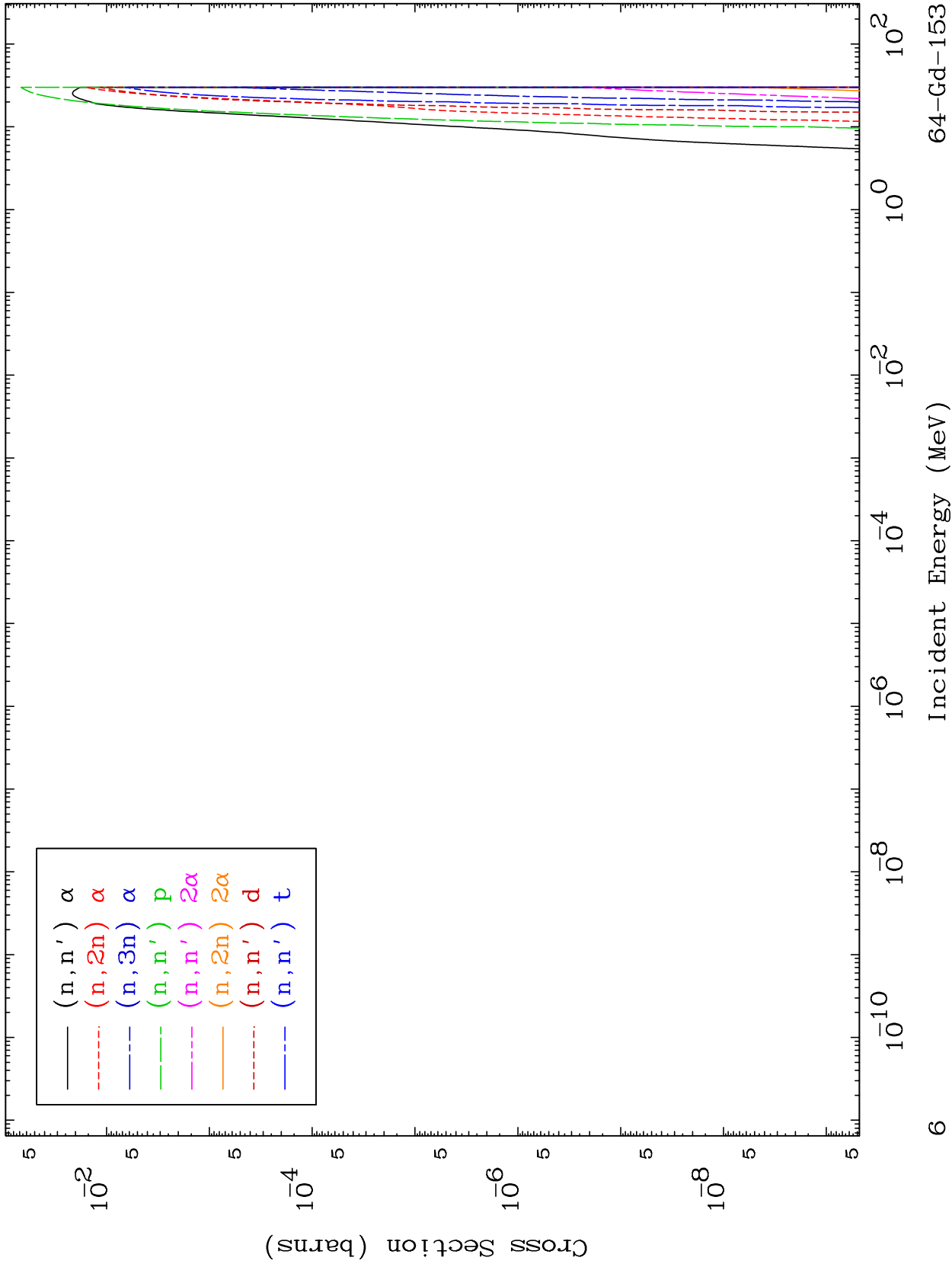




MAT 6428

Charged Particle
293 Kelvin Cross Sections

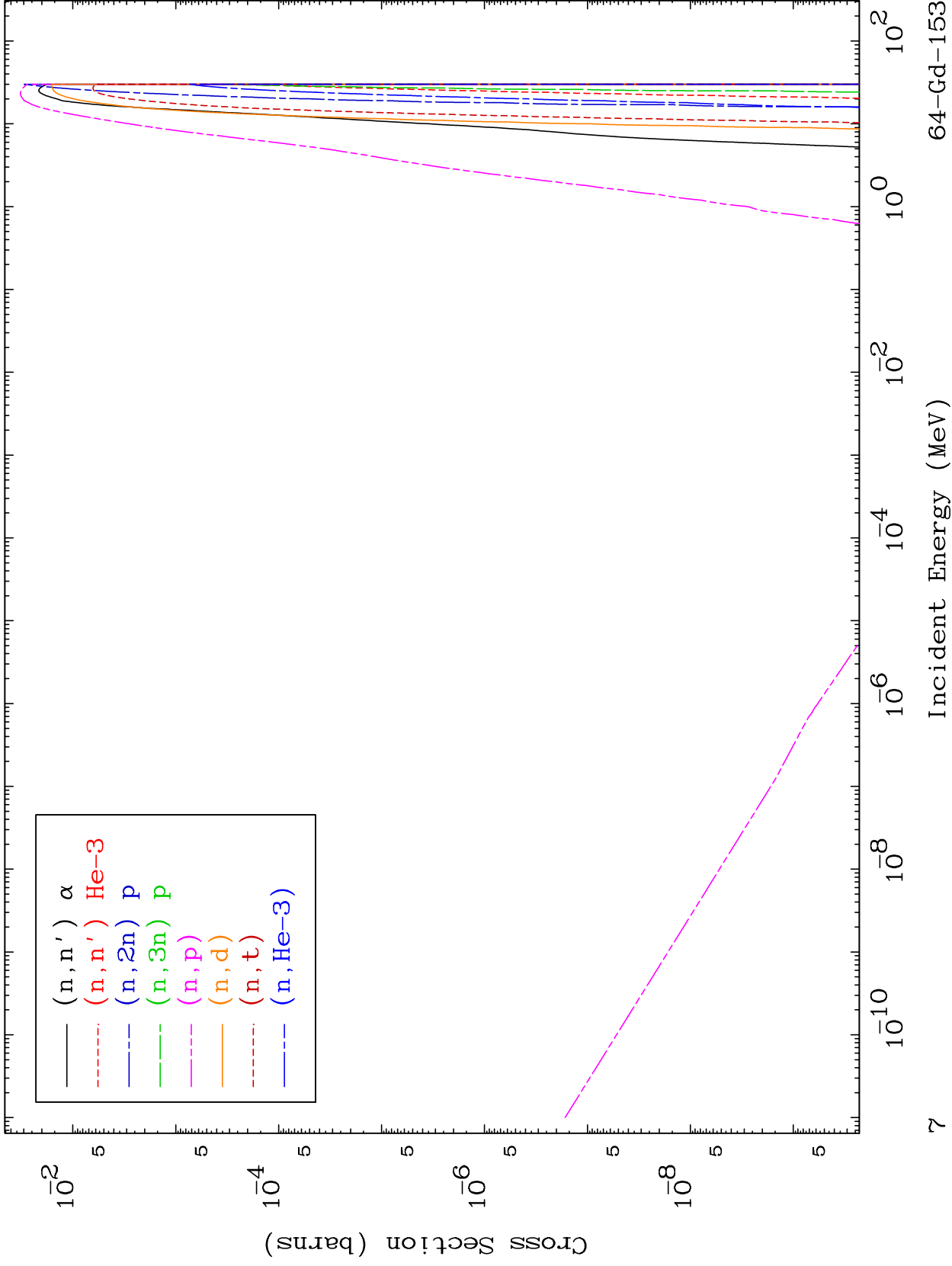
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MAT 6428

Charged Particle
293 Kelvin Cross Sections

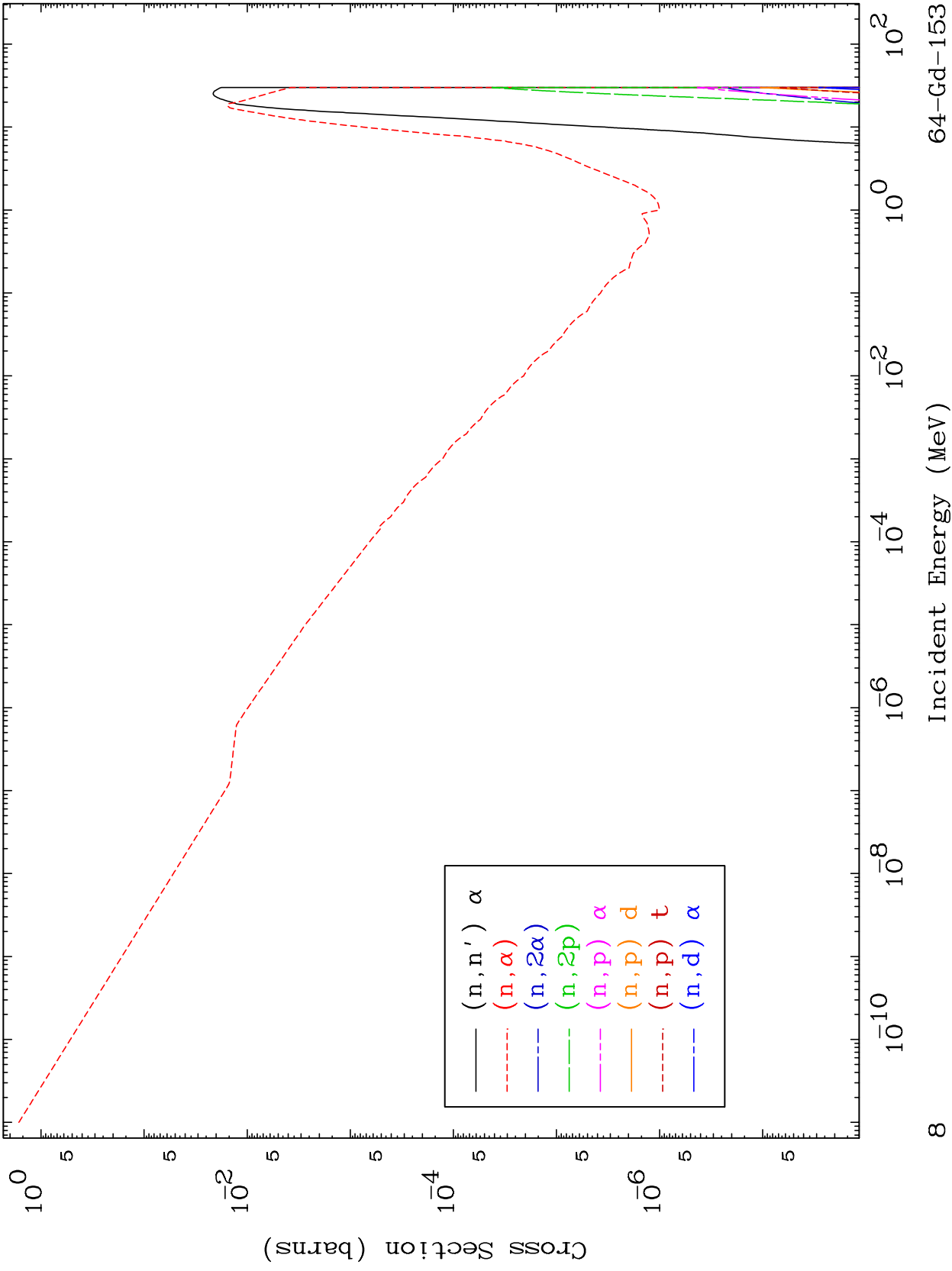
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MAT 6428

Charged Particle
293 Kelvin Cross Sections

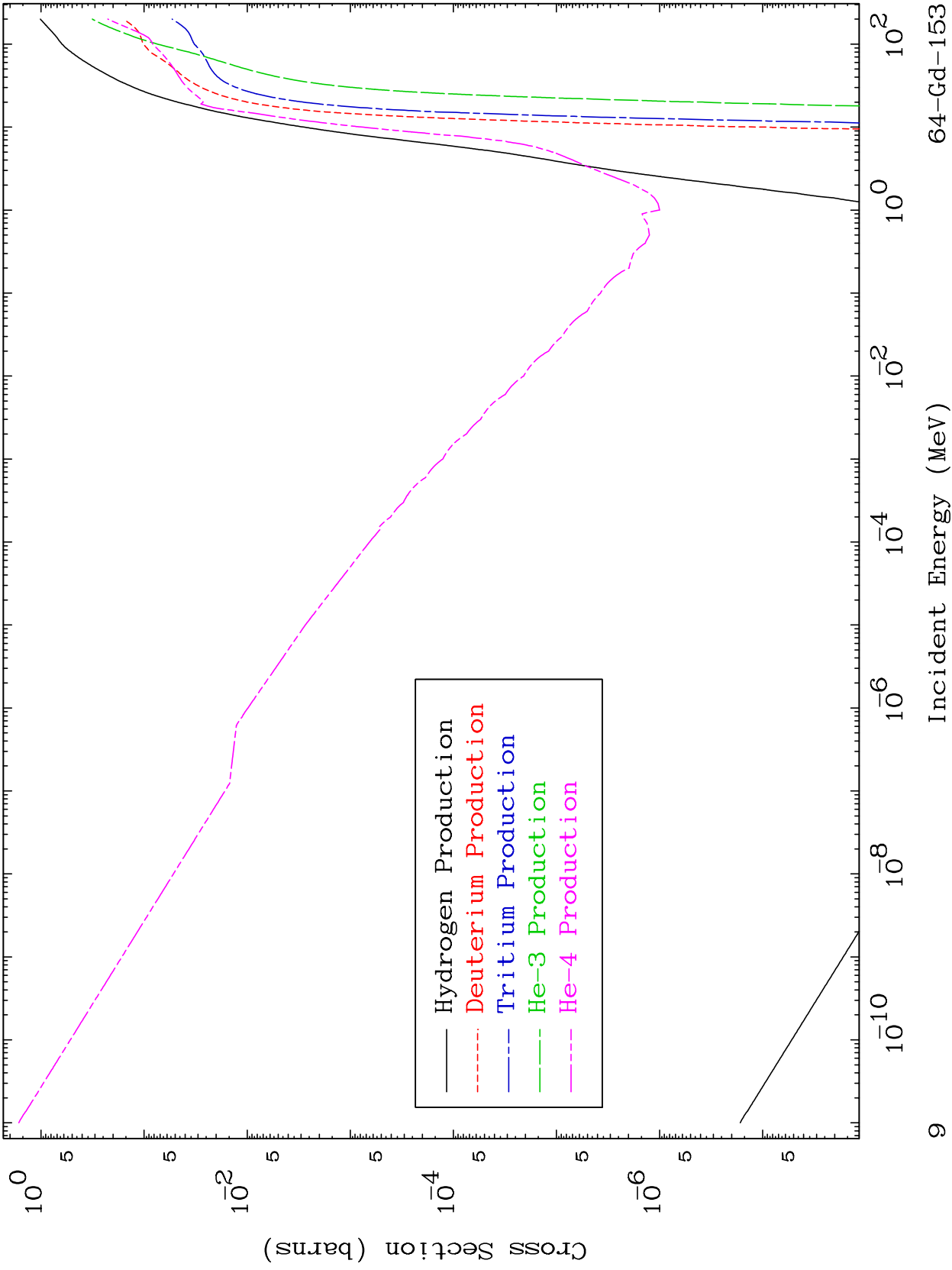
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MAT 6428

Particle Production
293 Kelvin Cross Sections

64-Gd-153

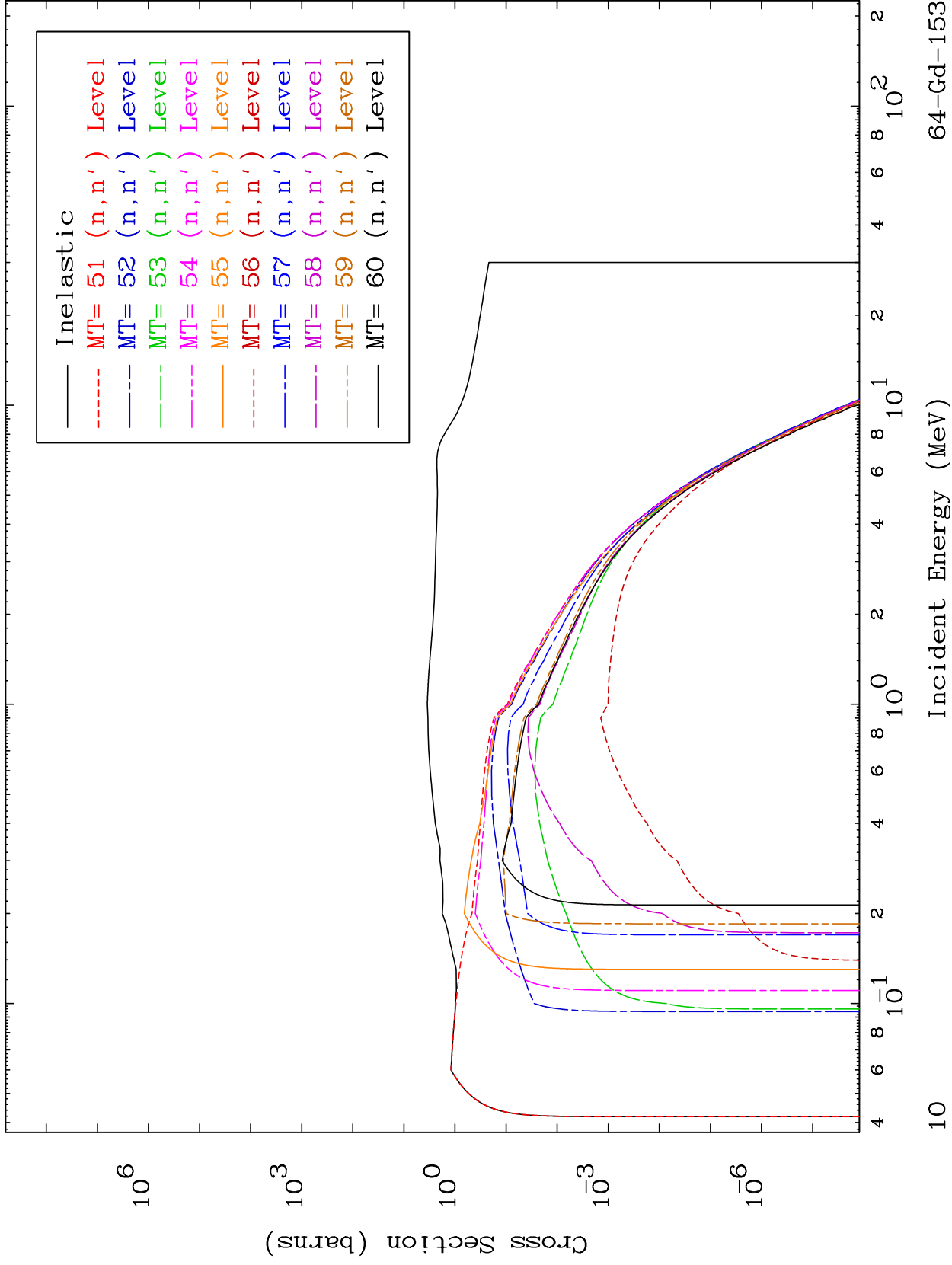


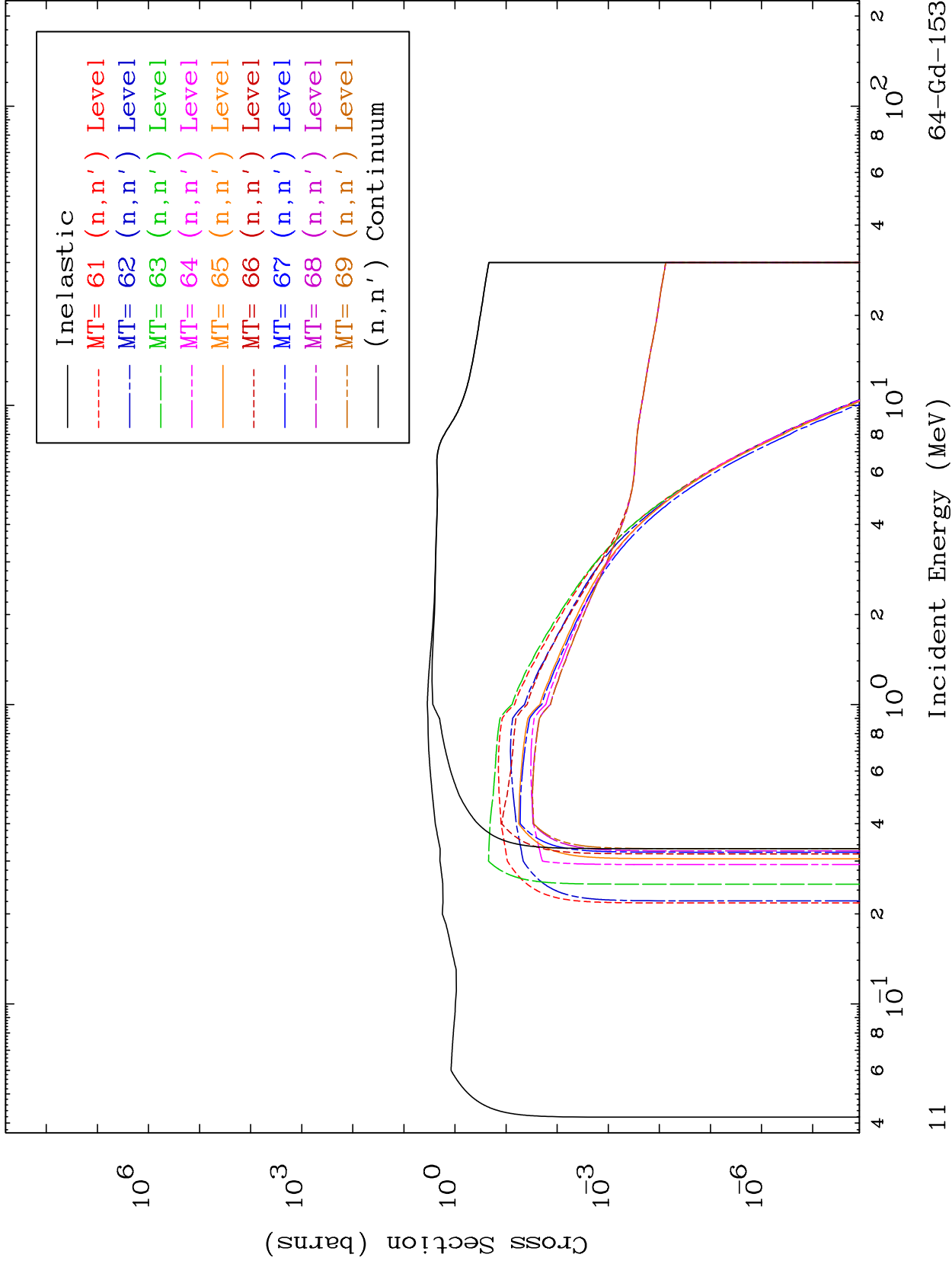
MAT 6428

(n,n') Levels

293 Kelvin Cross Sections

64-Gd-153

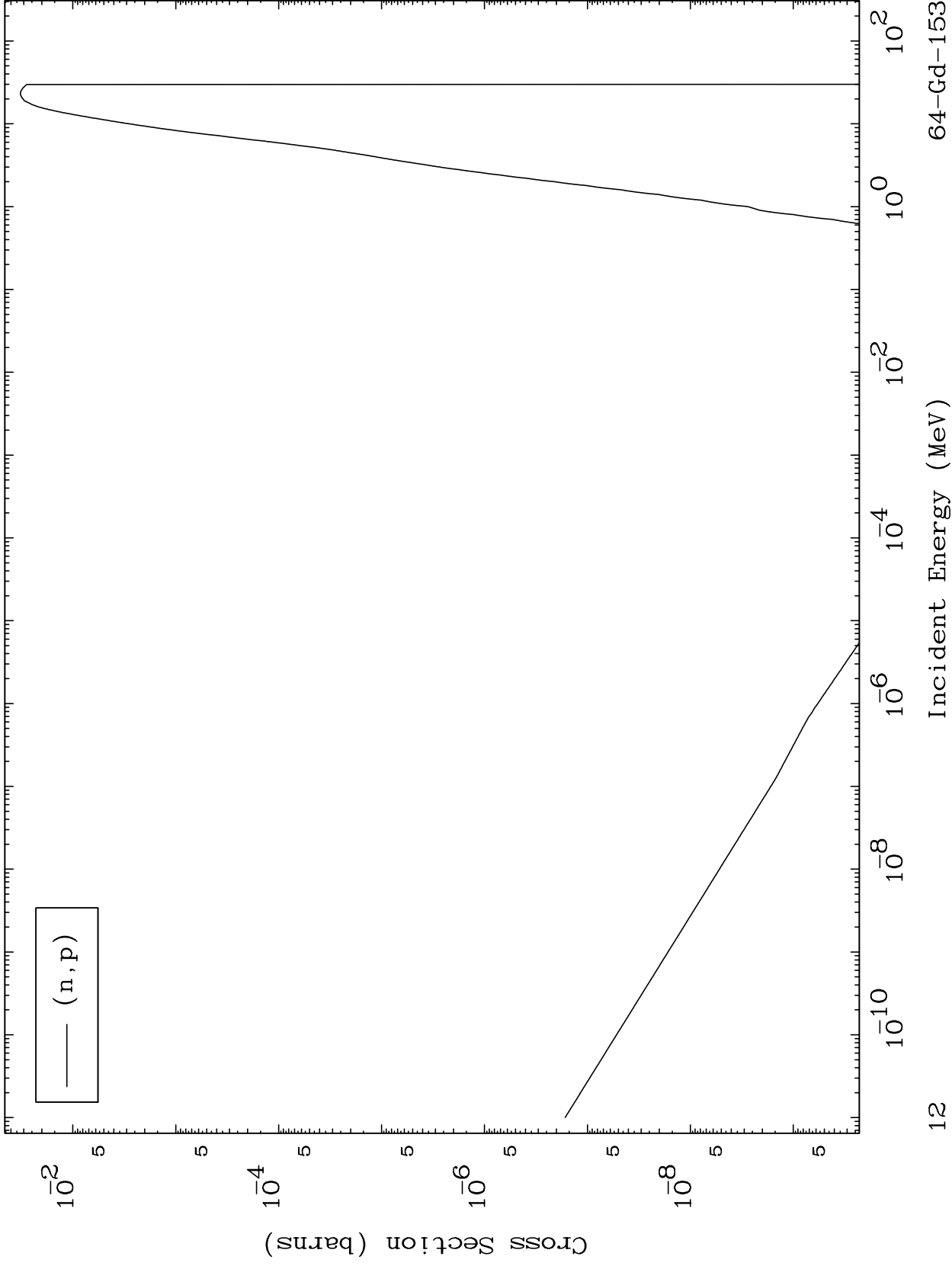




MAT 6428

(n,p) Levels
293 Kelvin Cross Sections

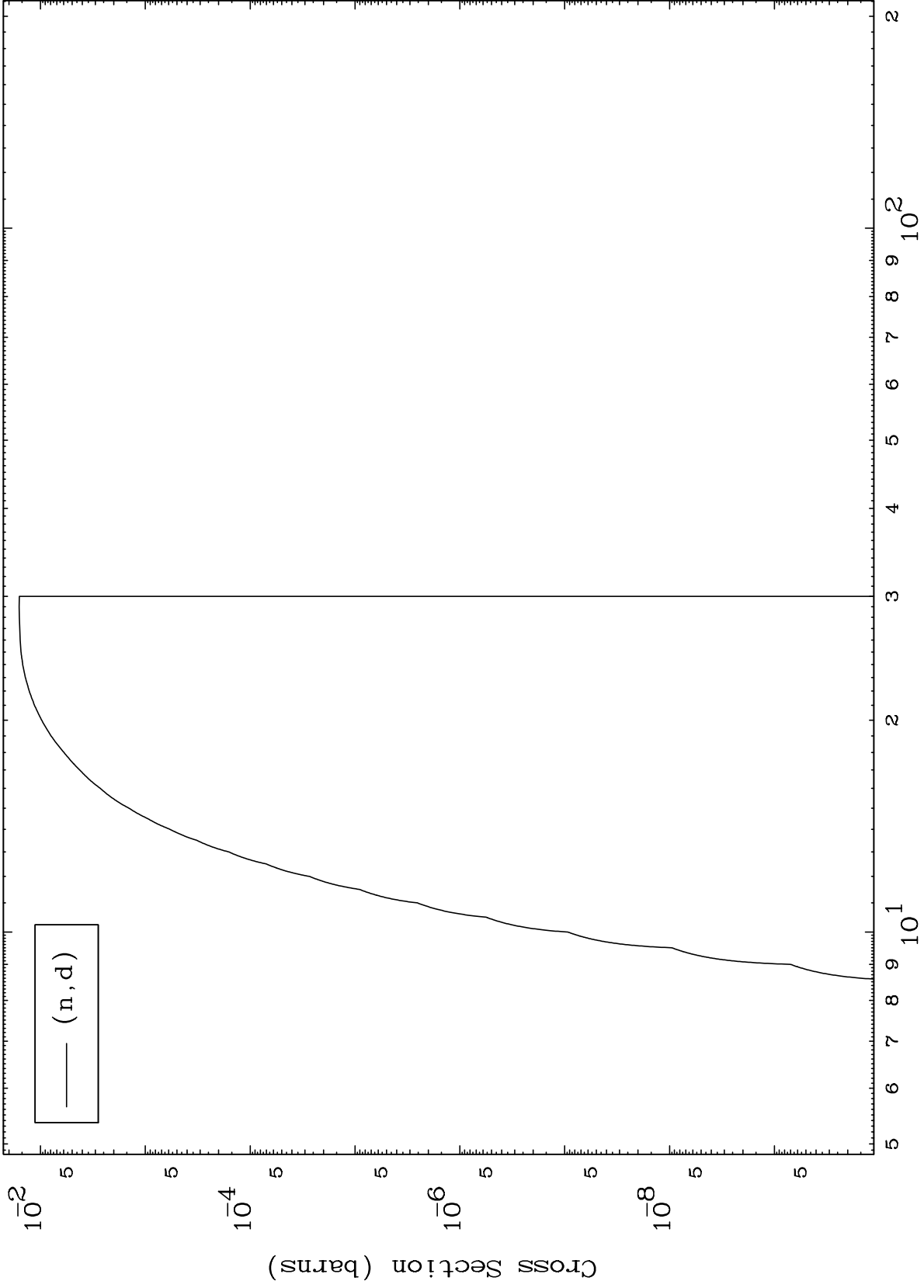
64-Gd-153



MAT 6428

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-153



13

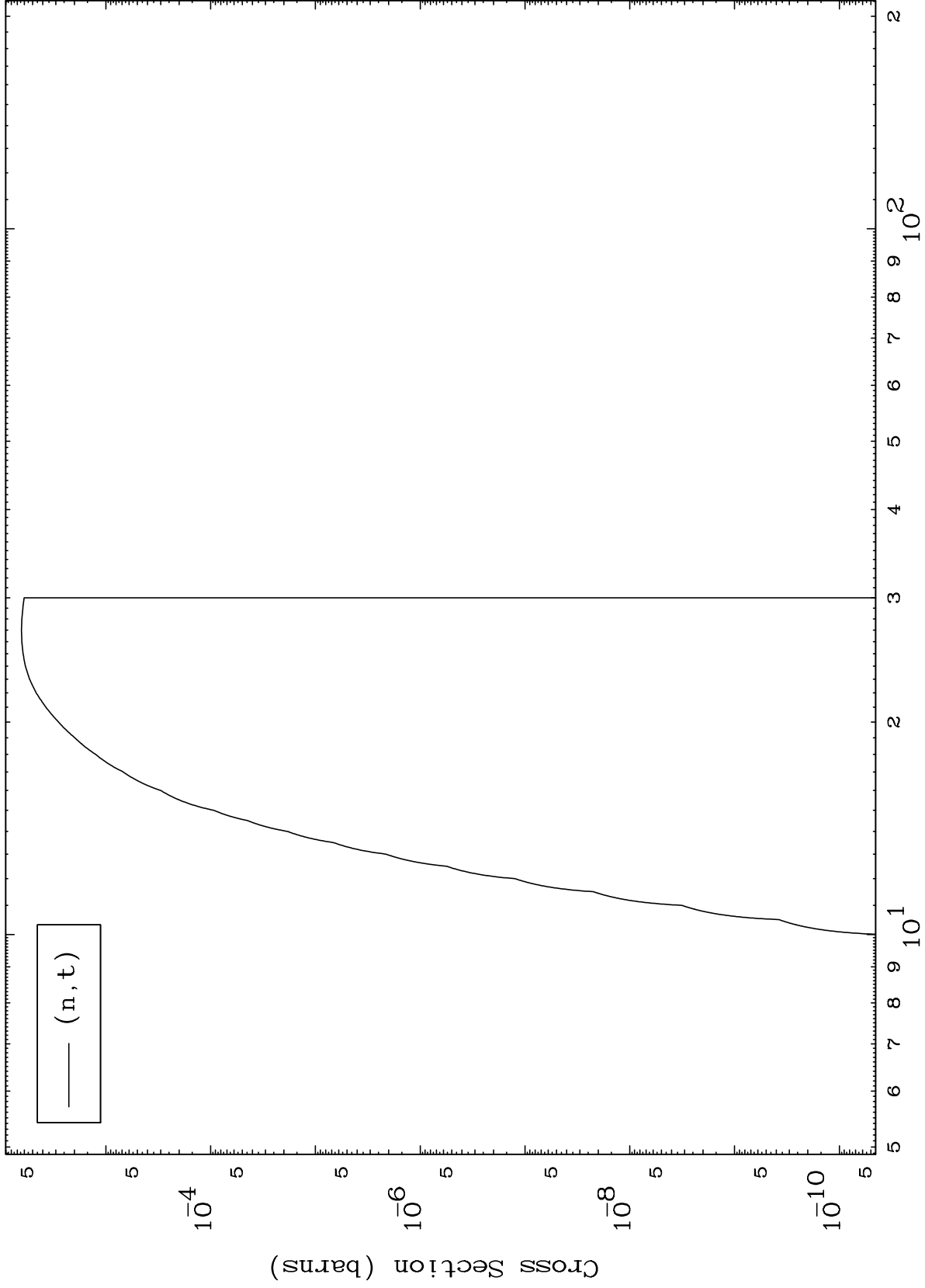
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-153



(n,t)

14

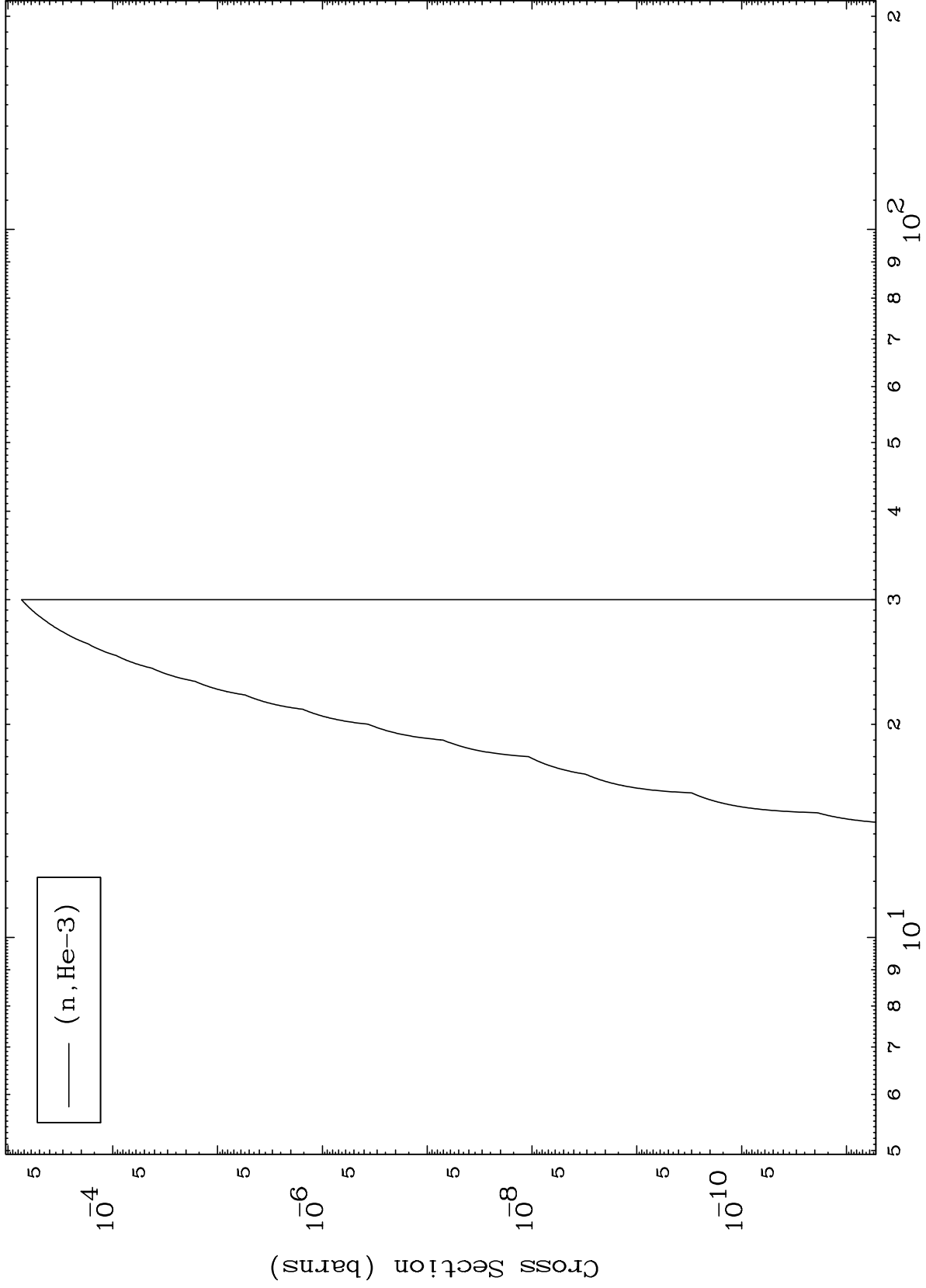
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-153



15

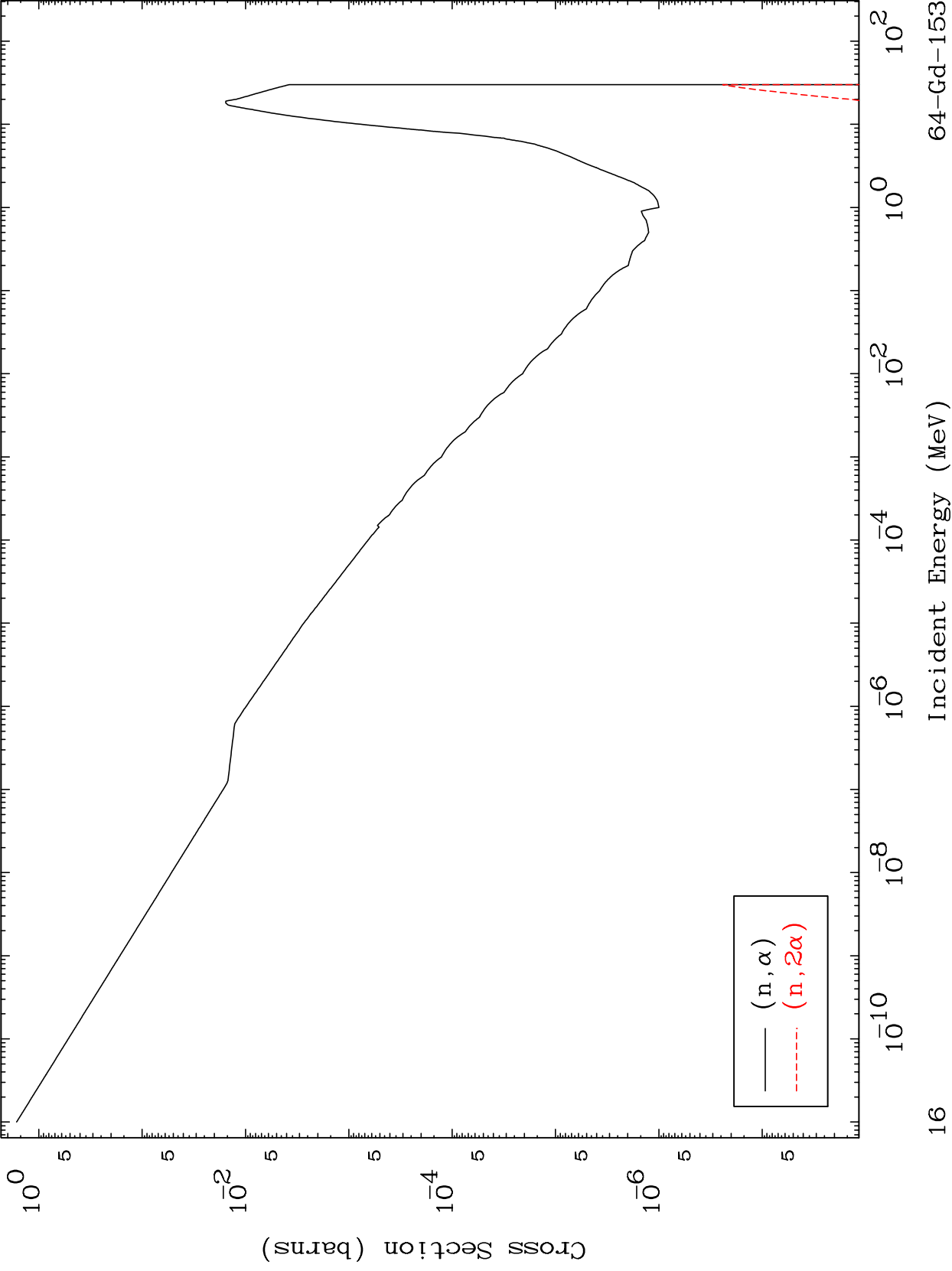
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,α) Levels
293 Kelvin Cross Sections

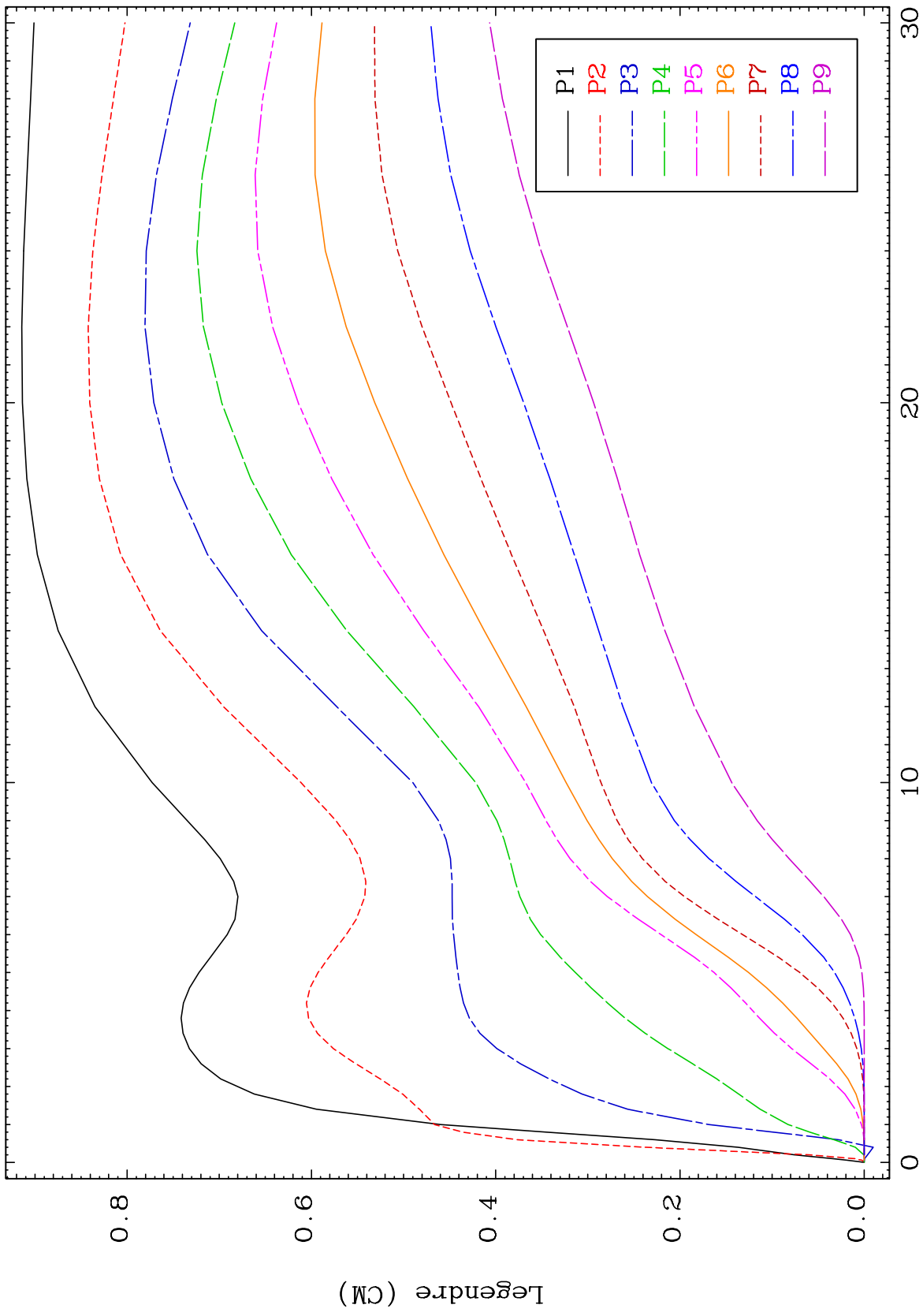
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MAT 6428

64-Gd-153

Elastic Legendre Coefficients



17

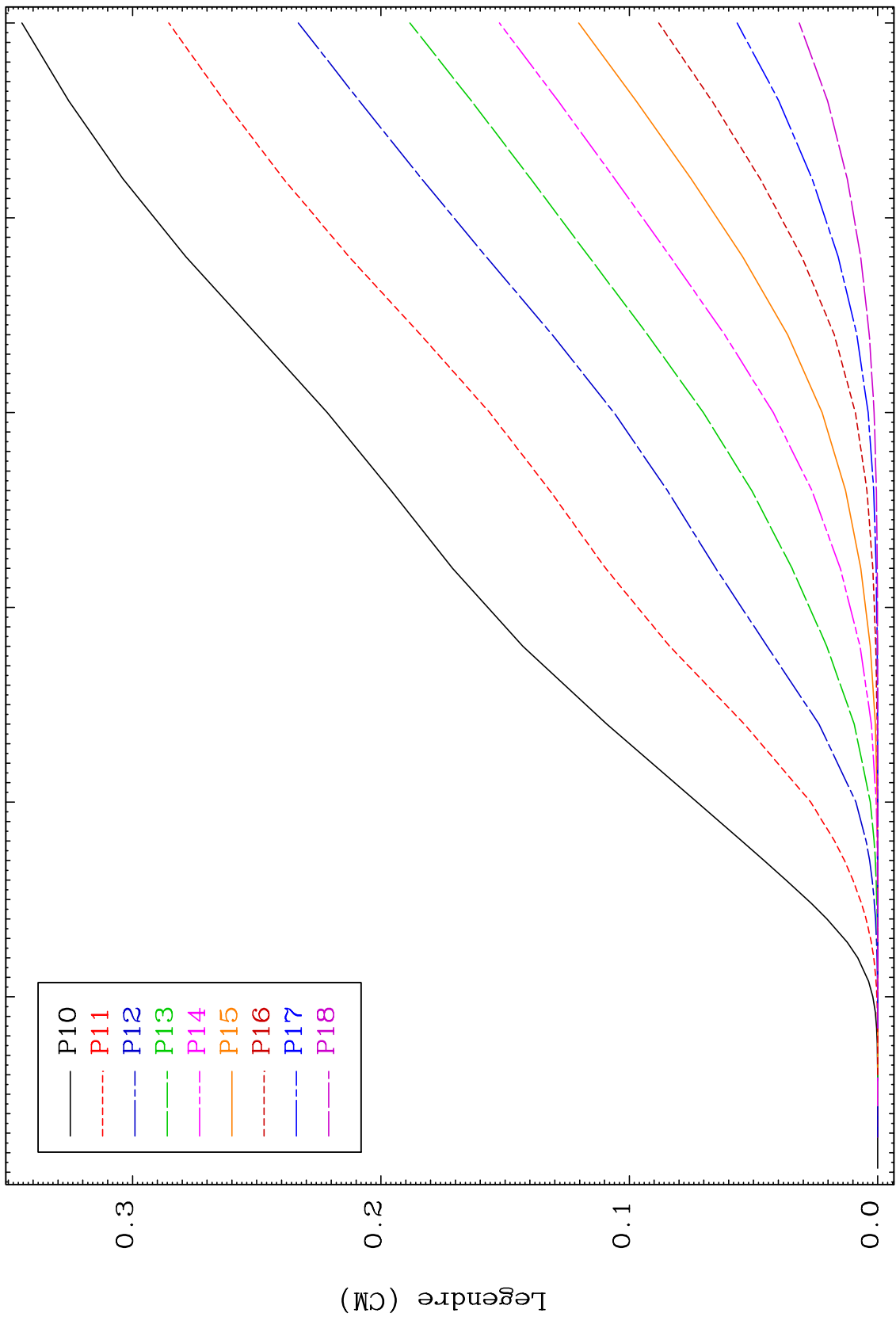
Incident Energy (MeV)

64-Gd-153

MAT 6428

Elastic
Legendre Coefficients

64-Gd-153



18

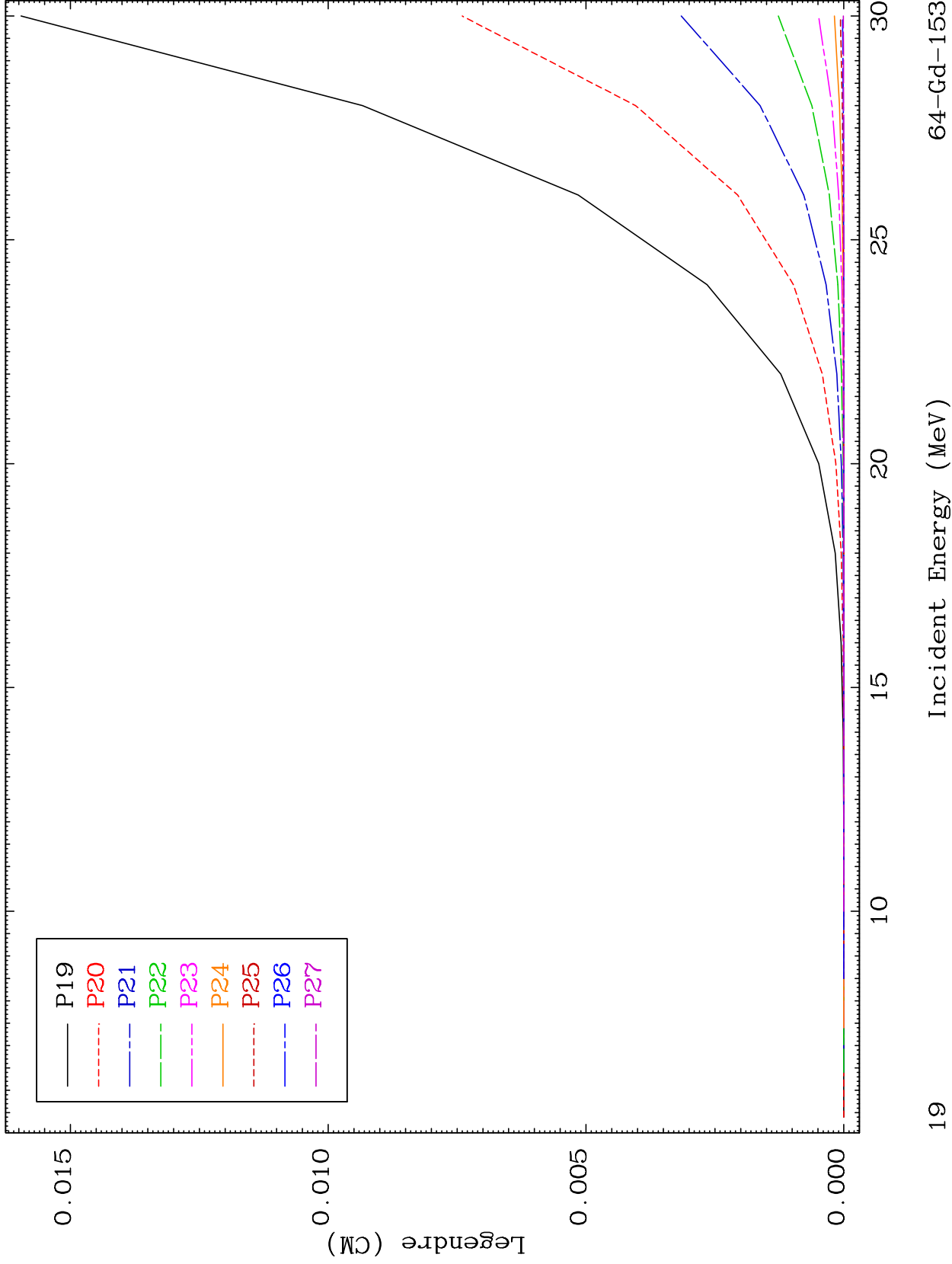
Incident Energy (MeV)

64-Gd-153

MAT 6428

Elastic Legendre Coefficients

64-Gd-153



19

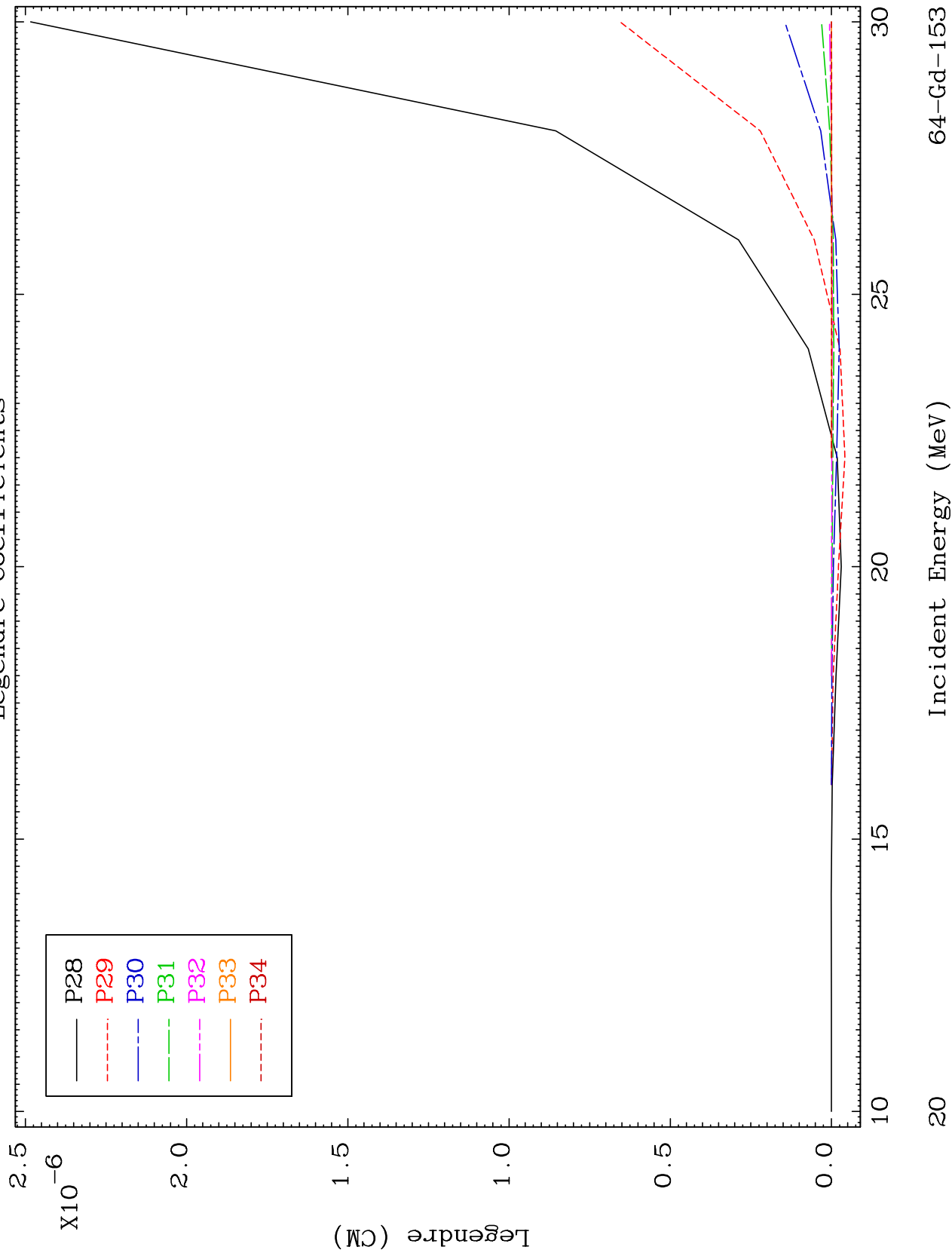
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Incident Energy (MeV)

MAT 6428

Elastic
Legendre Coefficients

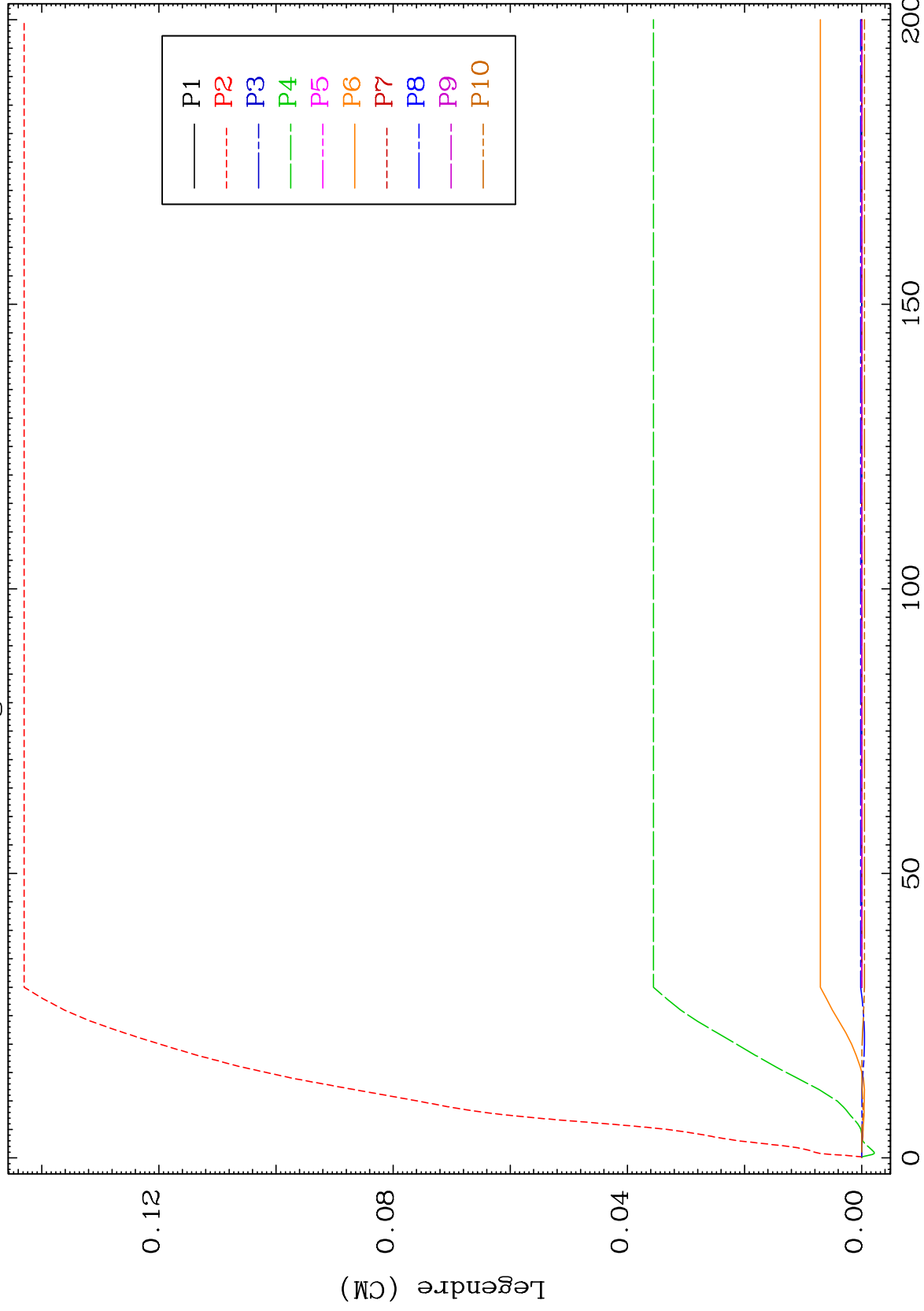
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MAT 6428

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

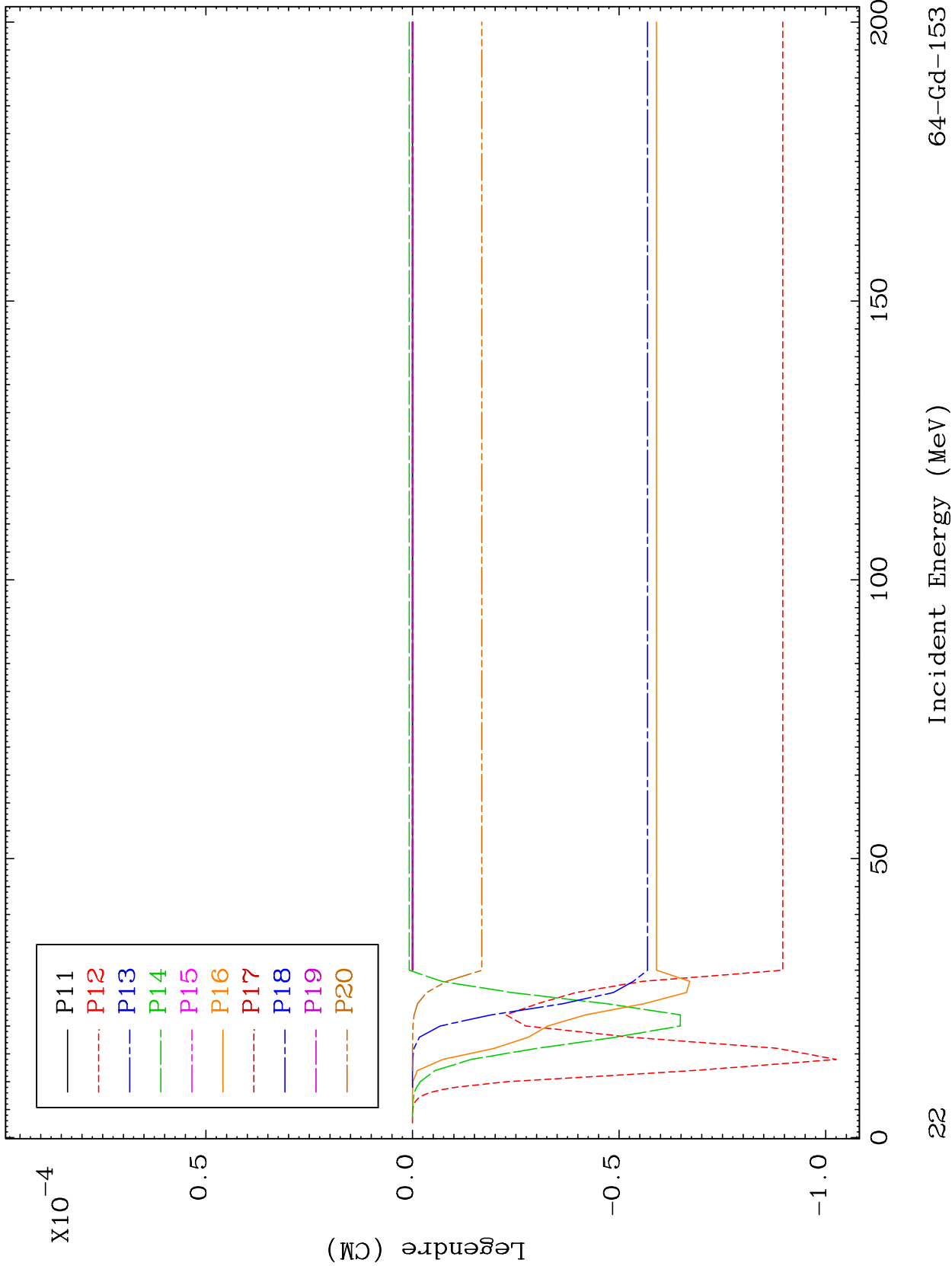
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21

Incident Energy (MeV)

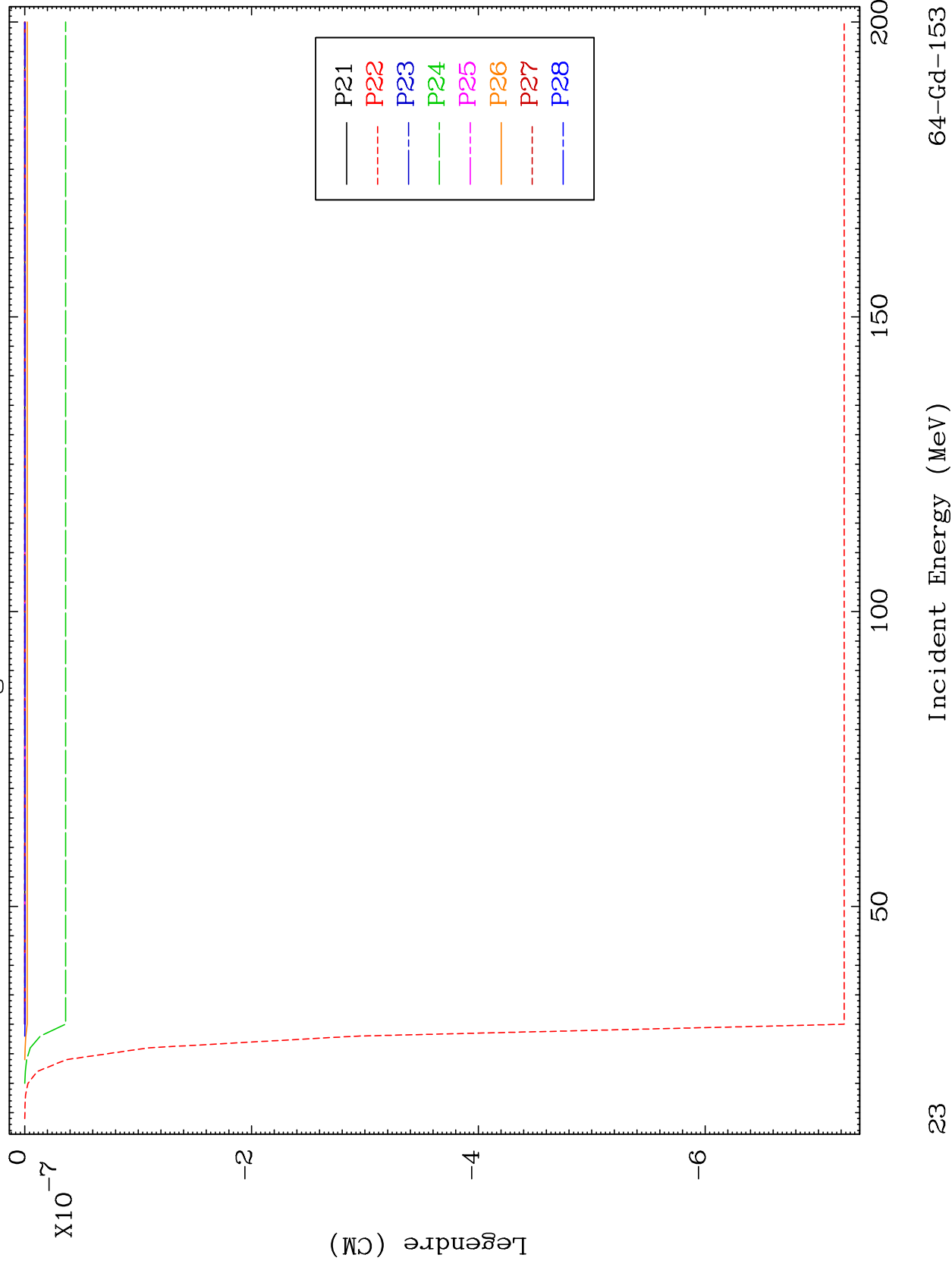
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MAT 6428

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

64-Gd-153

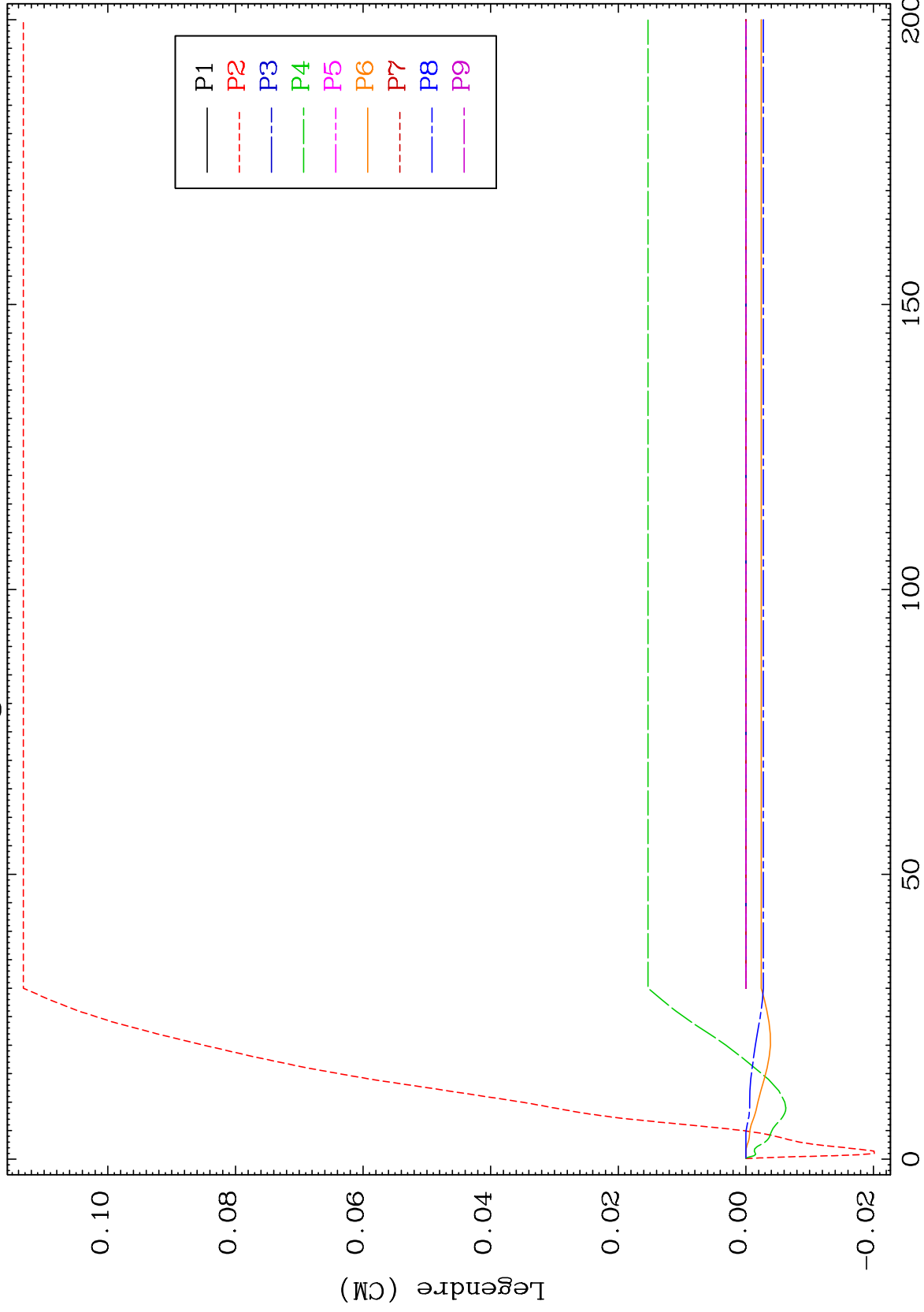


23

MAT 6428

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

64-Gd-153



64-Gd-153

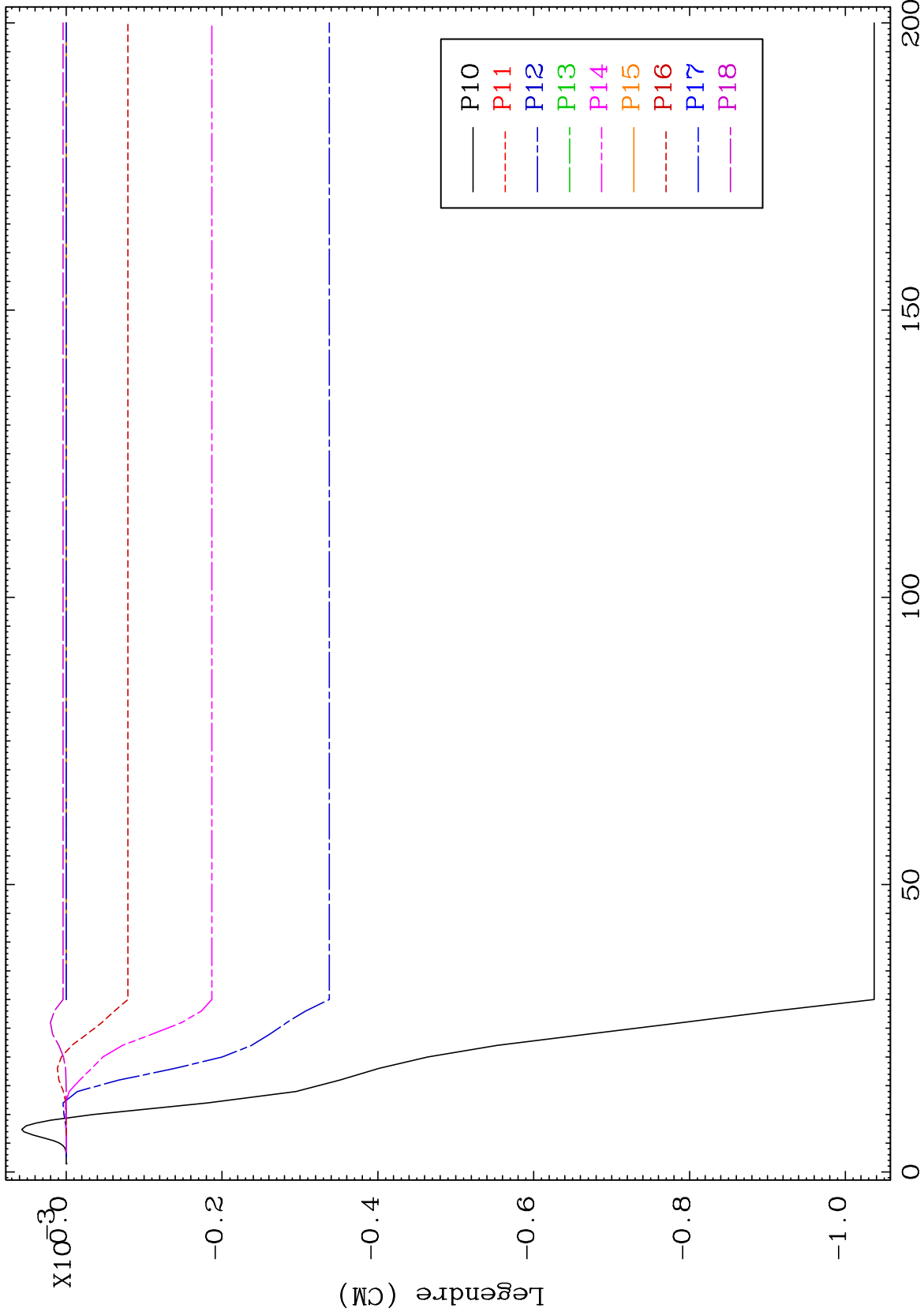
Incident Energy (MeV)

24

MAT 6428

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

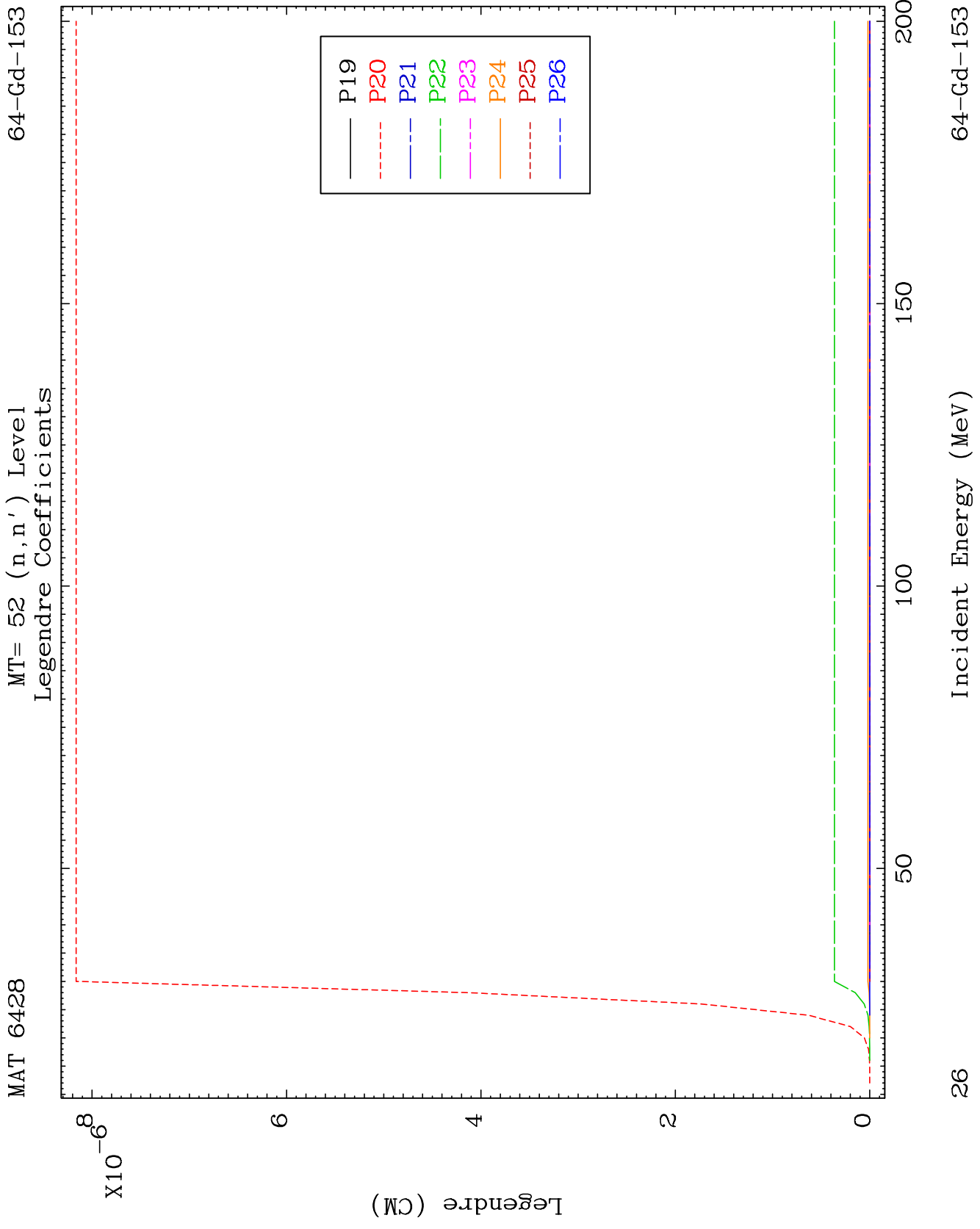
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25

Incident Energy (MeV)

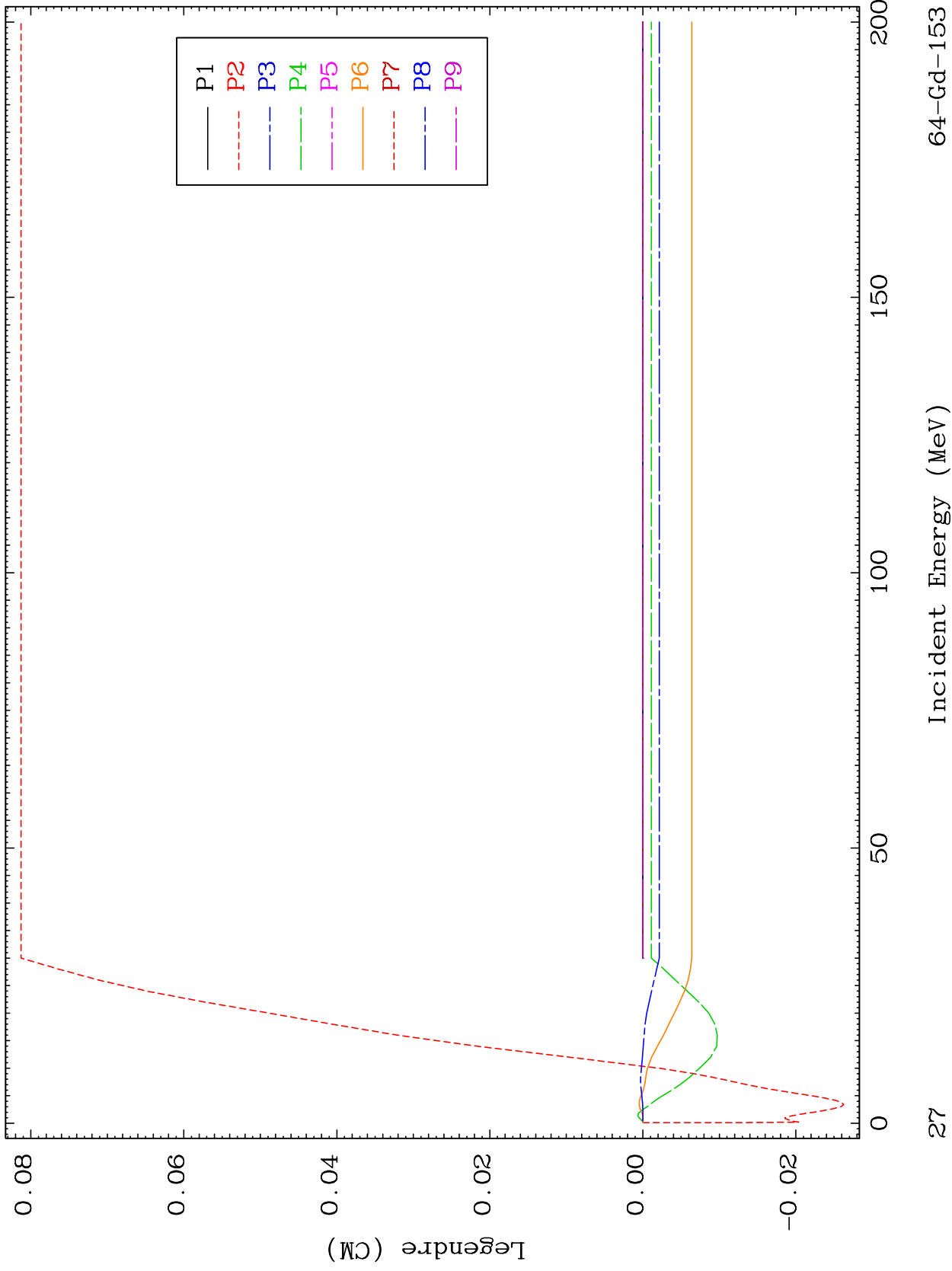
64-Gd-153



MAT 6428

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

64-Gd-153



64-Gd-153

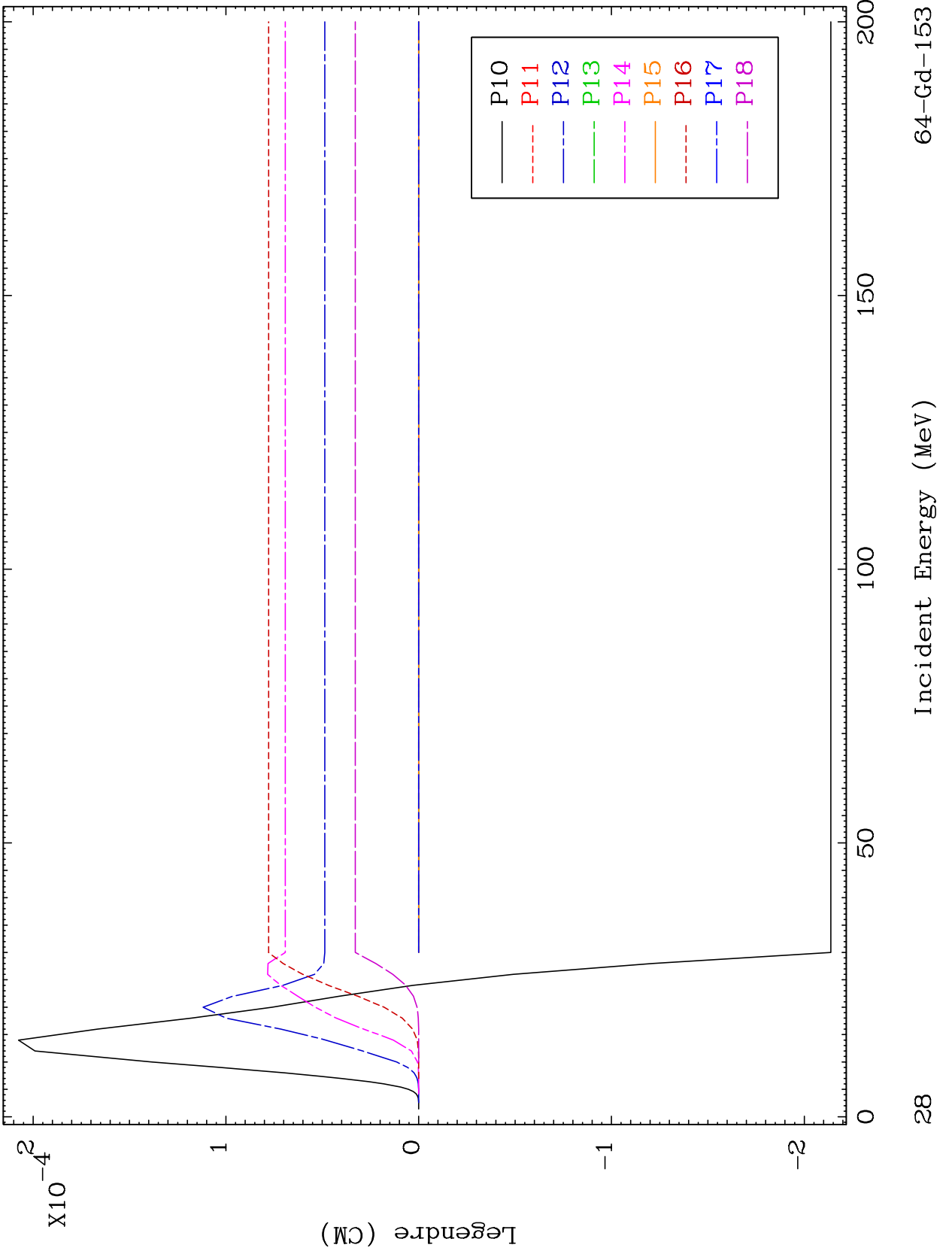
Incident Energy (MeV)

27

MAT 6428

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

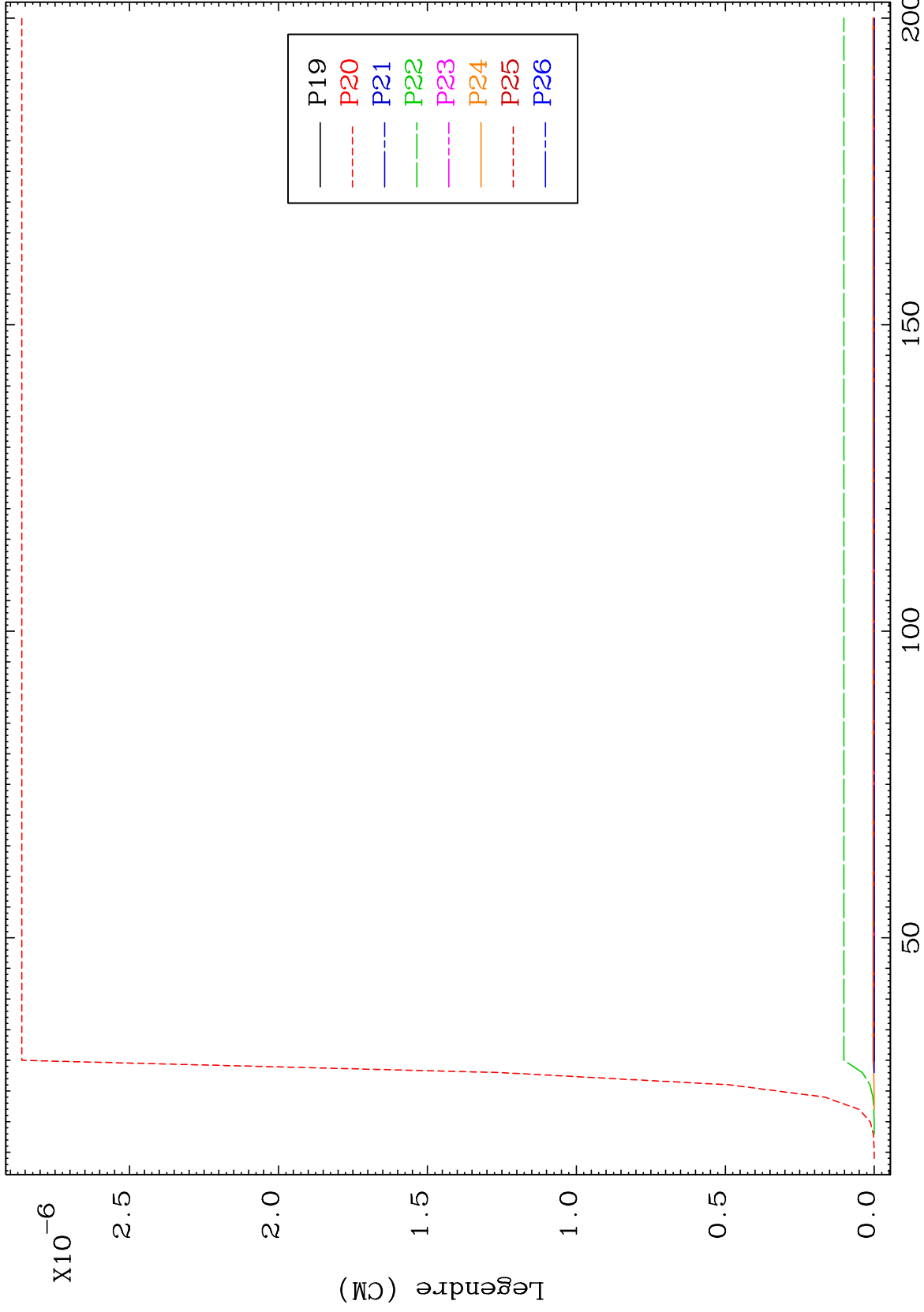
64-Gd-153



MAT 6428

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

64-Gd-153



29

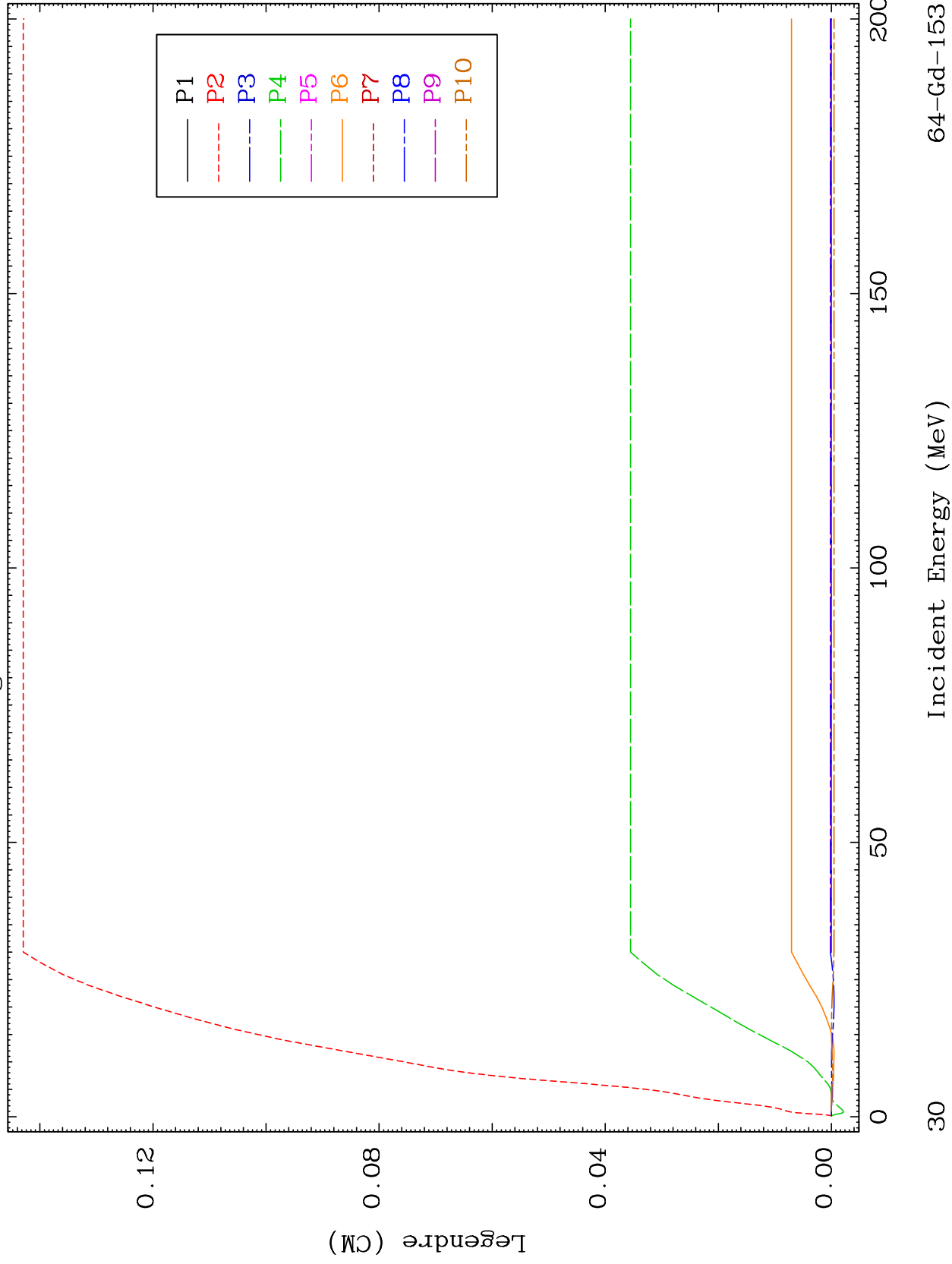
Incident Energy (MeV)

64-Gd-153

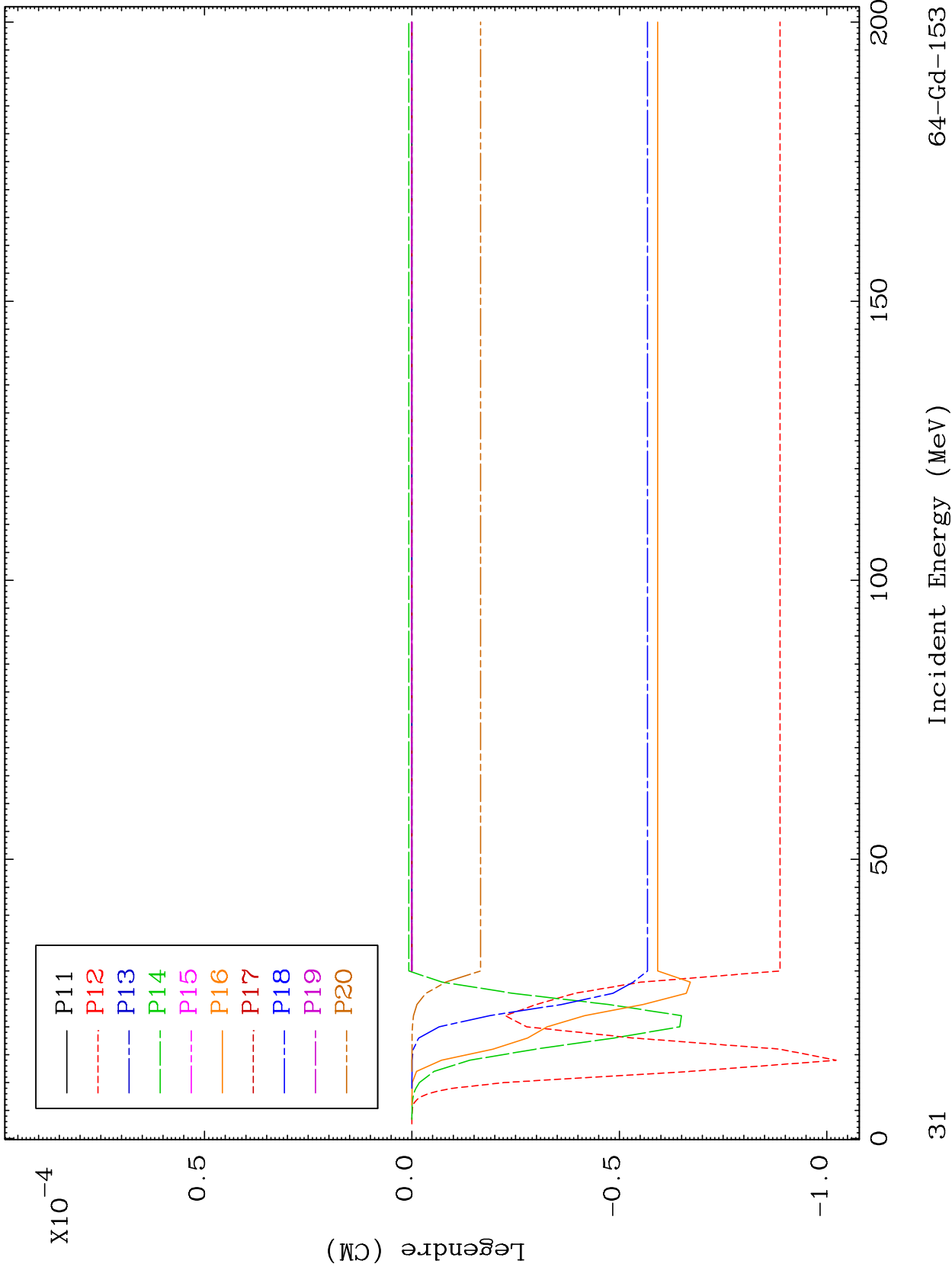
MAT 6428

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

64-Gd-153



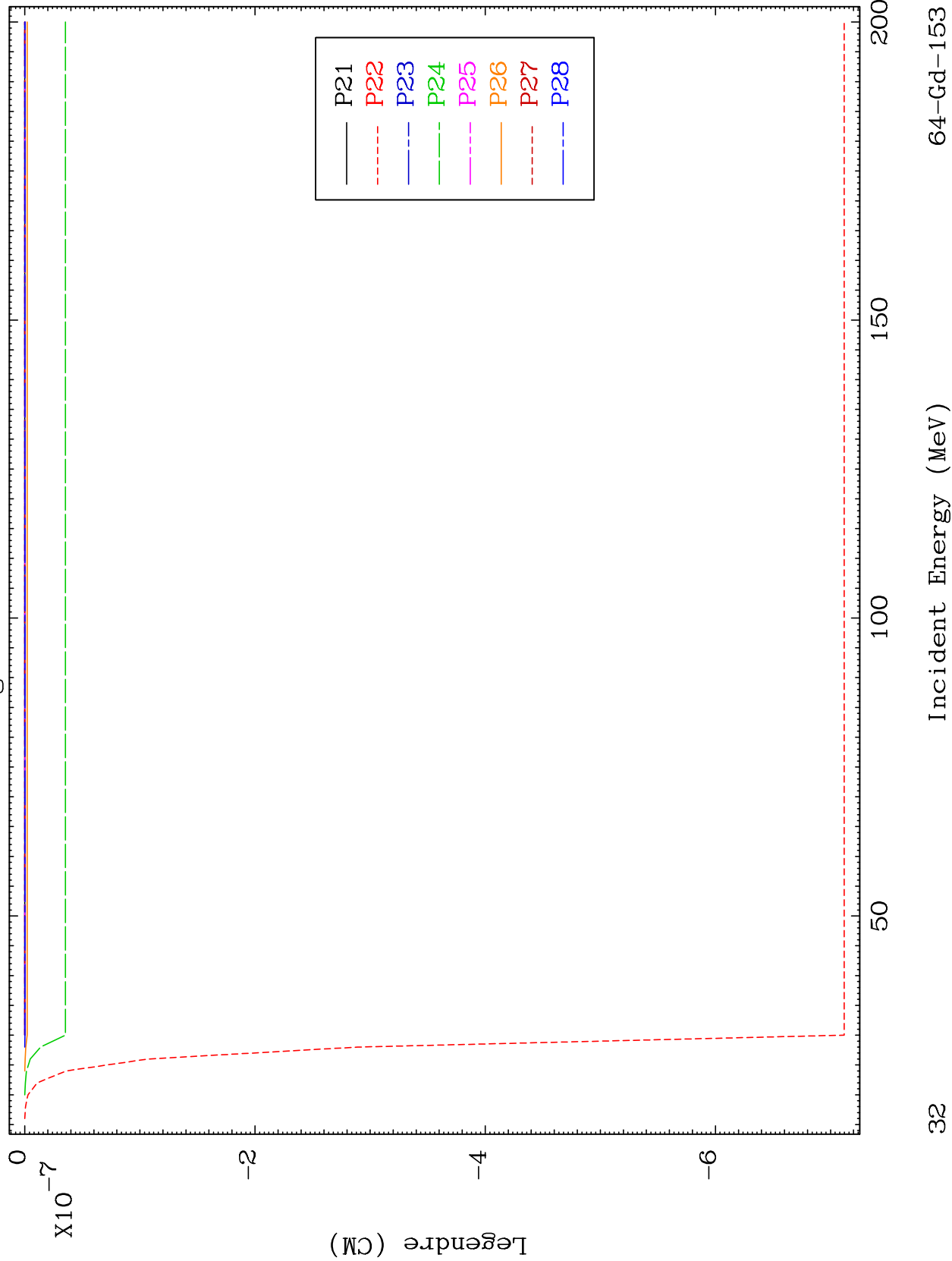
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MAT 6428

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

64-Gd-153



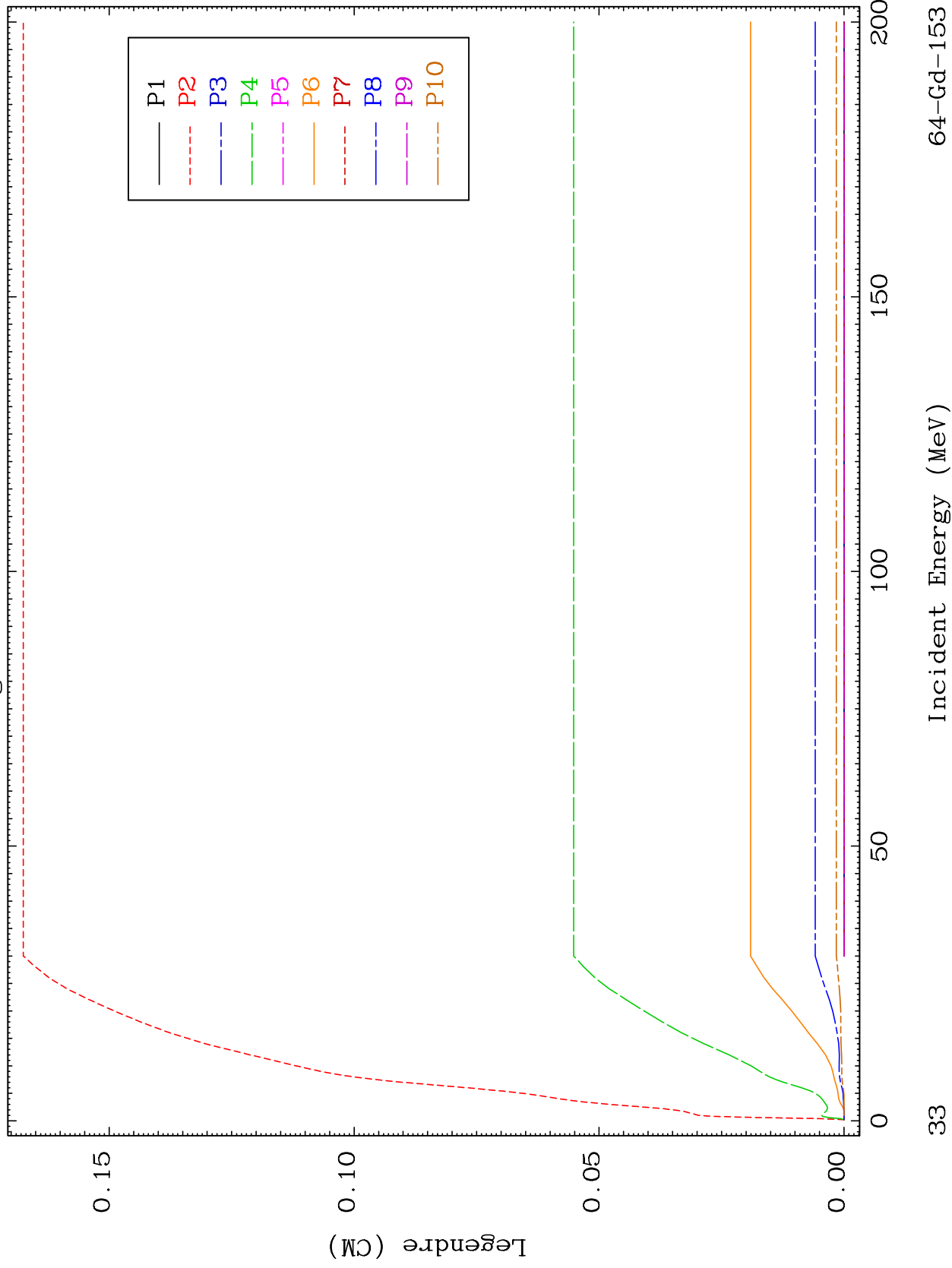
32

64-Gd-153

MAT 6428

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

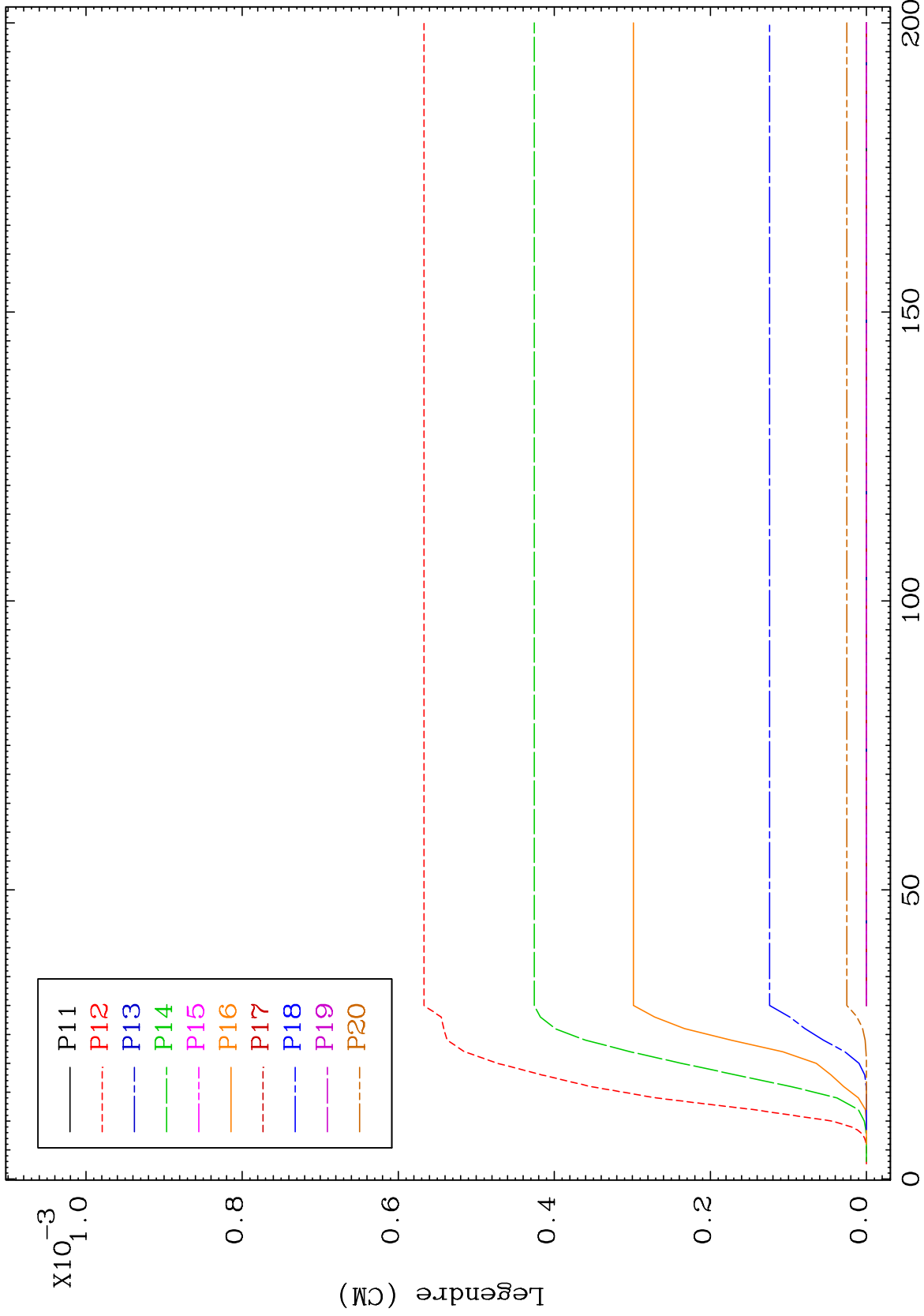
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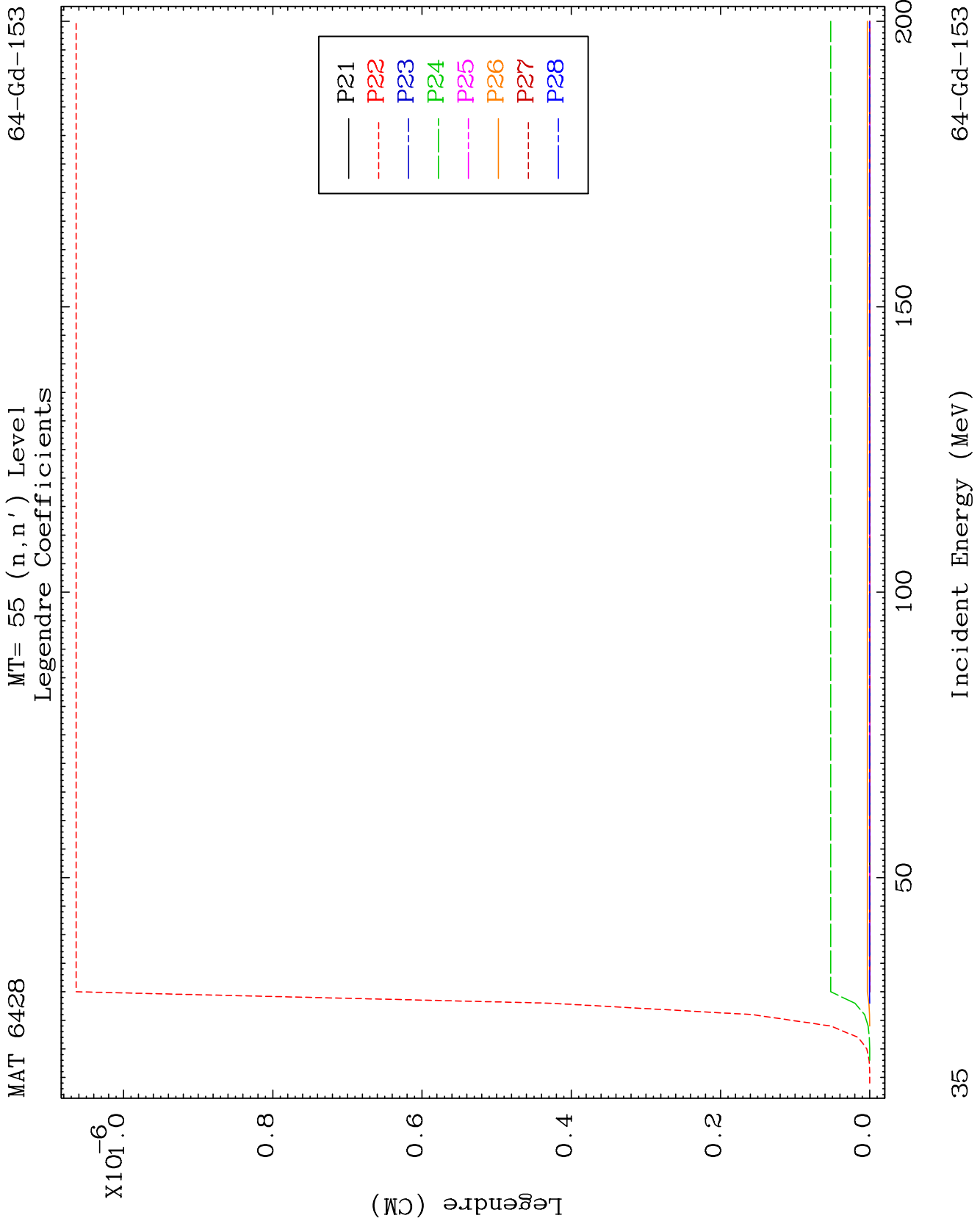


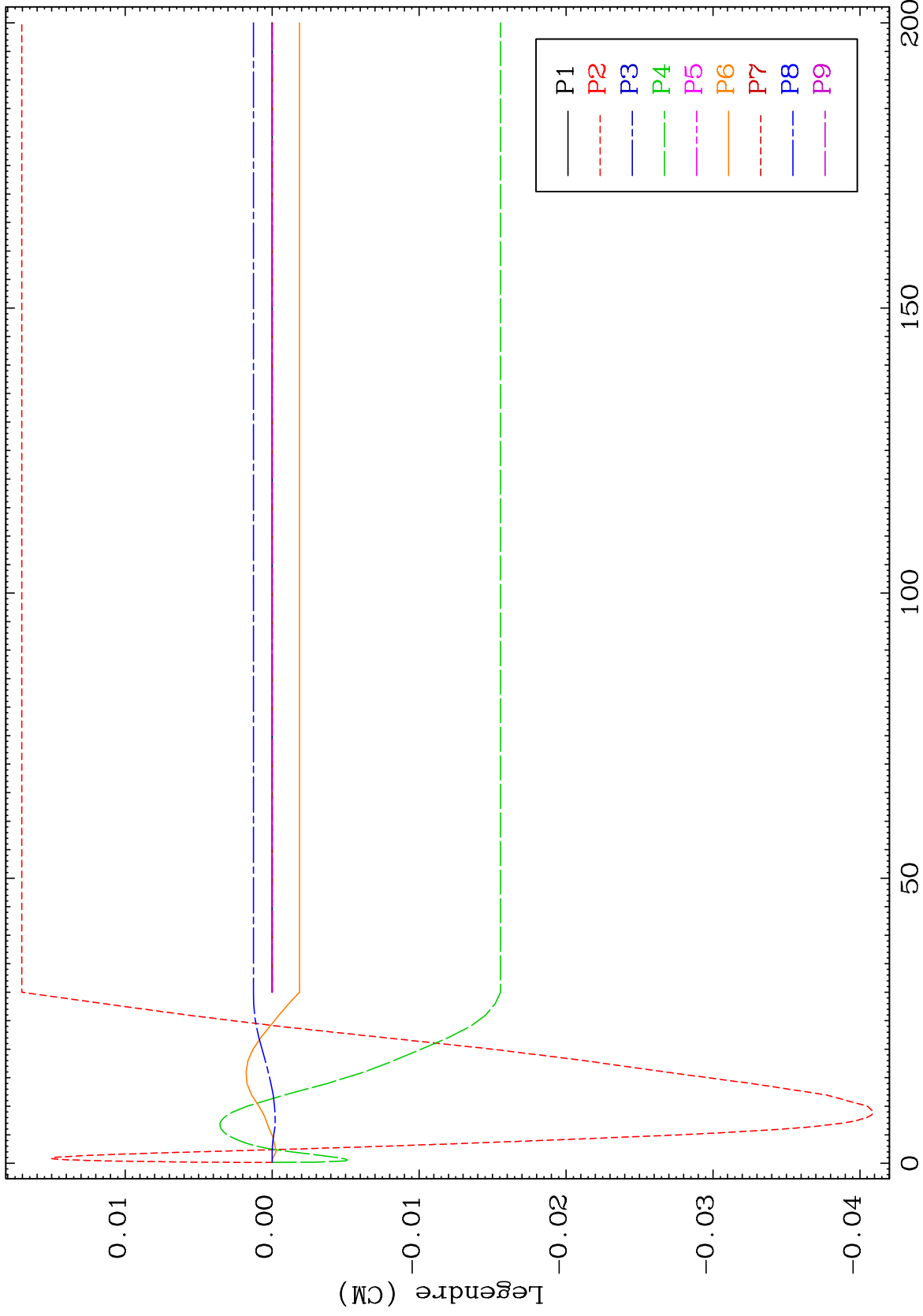
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Incident Energy (MeV)

33



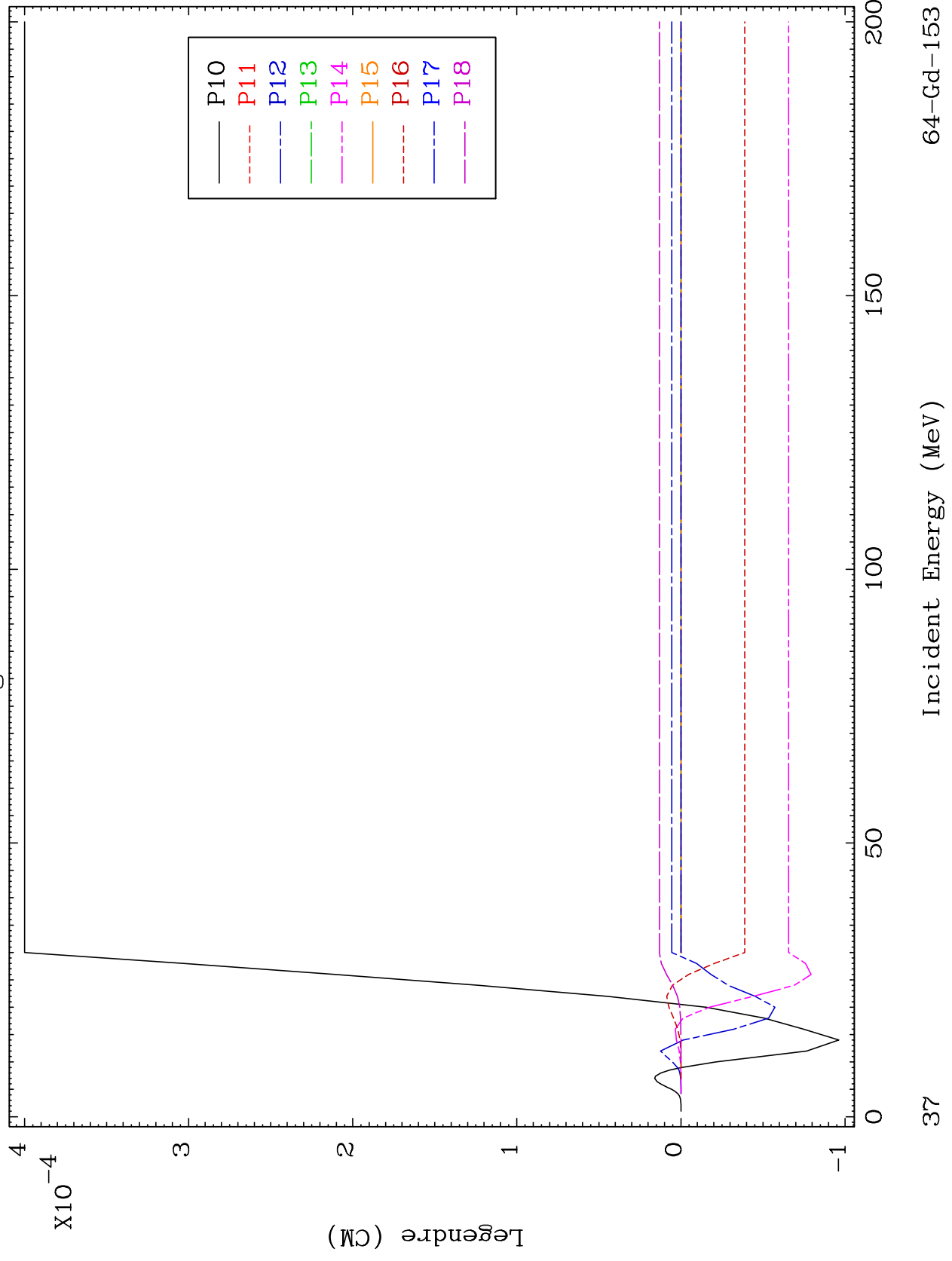




MAT 6428

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

64-Gd-153



64-Gd-153

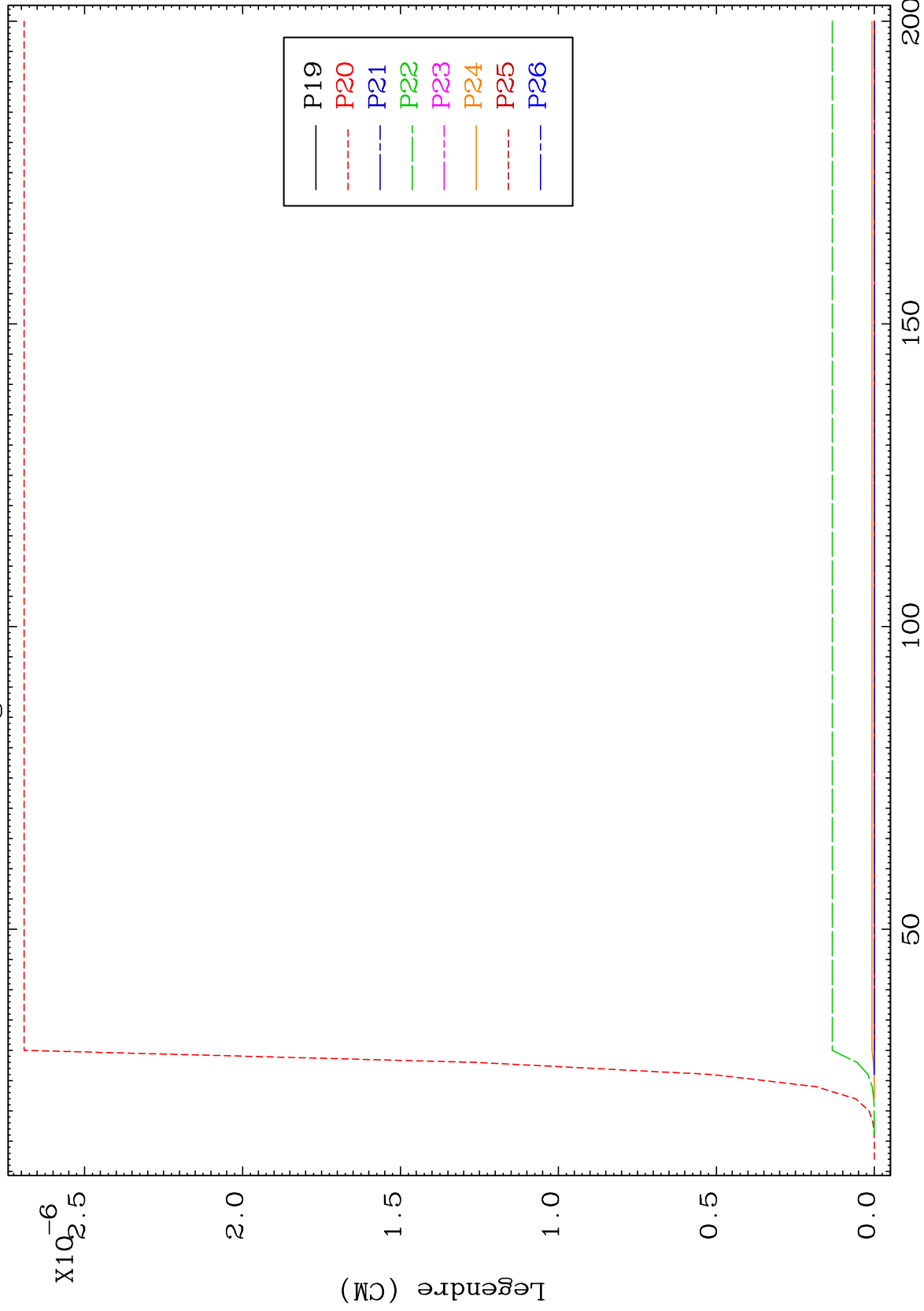
Incident Energy (MeV)

37

MAT 6428

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

64-Gd-153



38

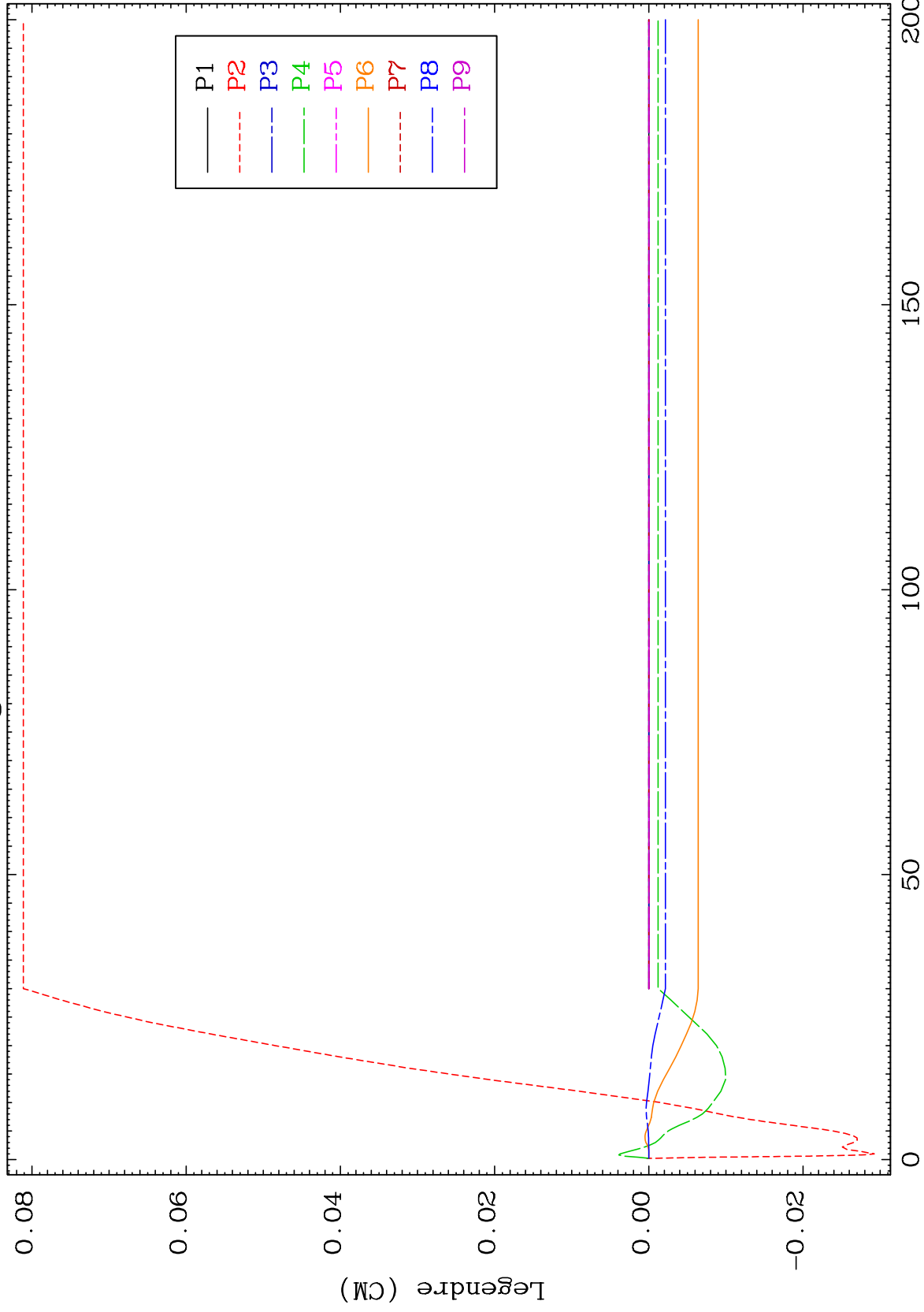
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

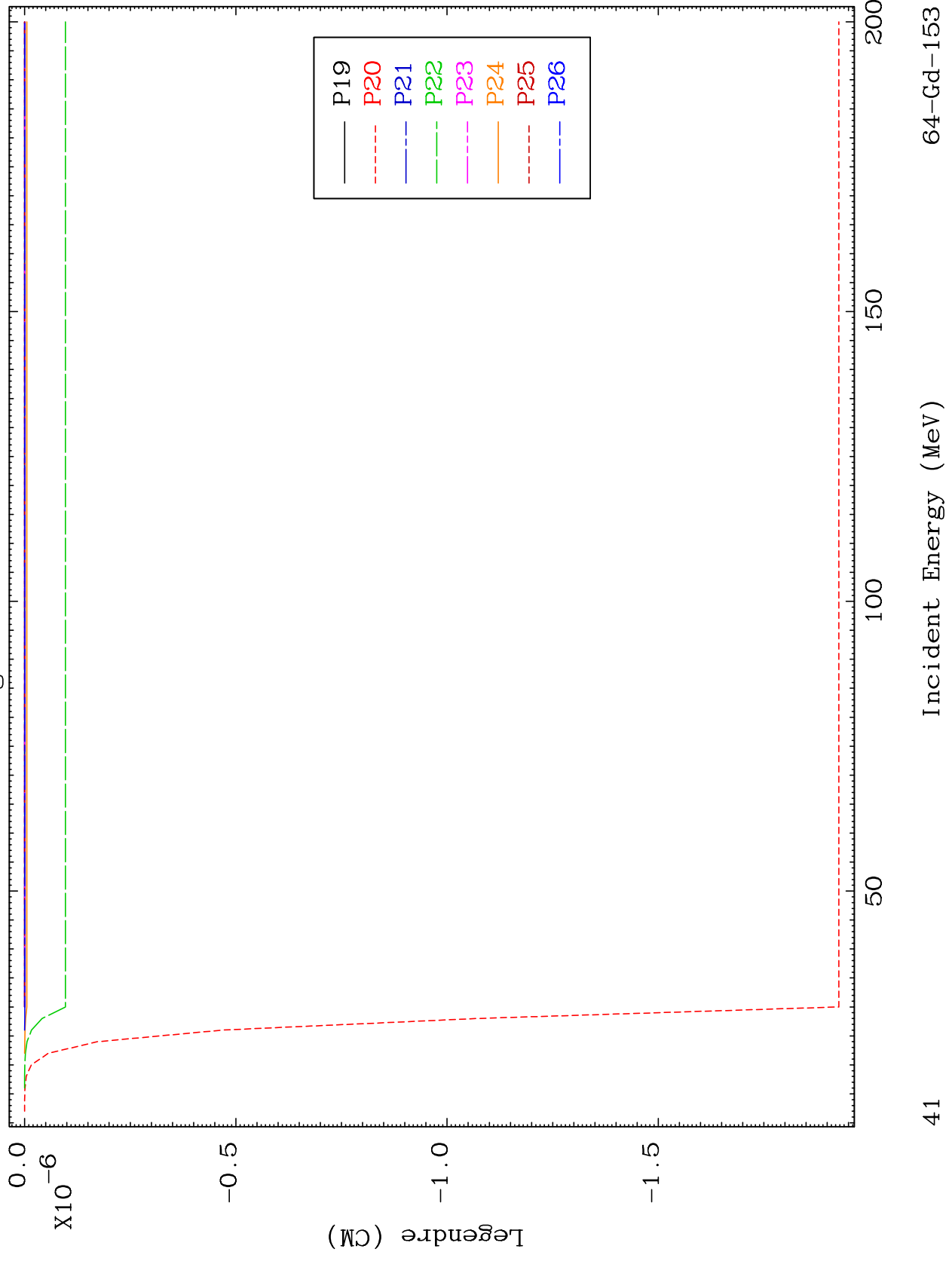
Incident Energy (MeV)

39

MAT 6428

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

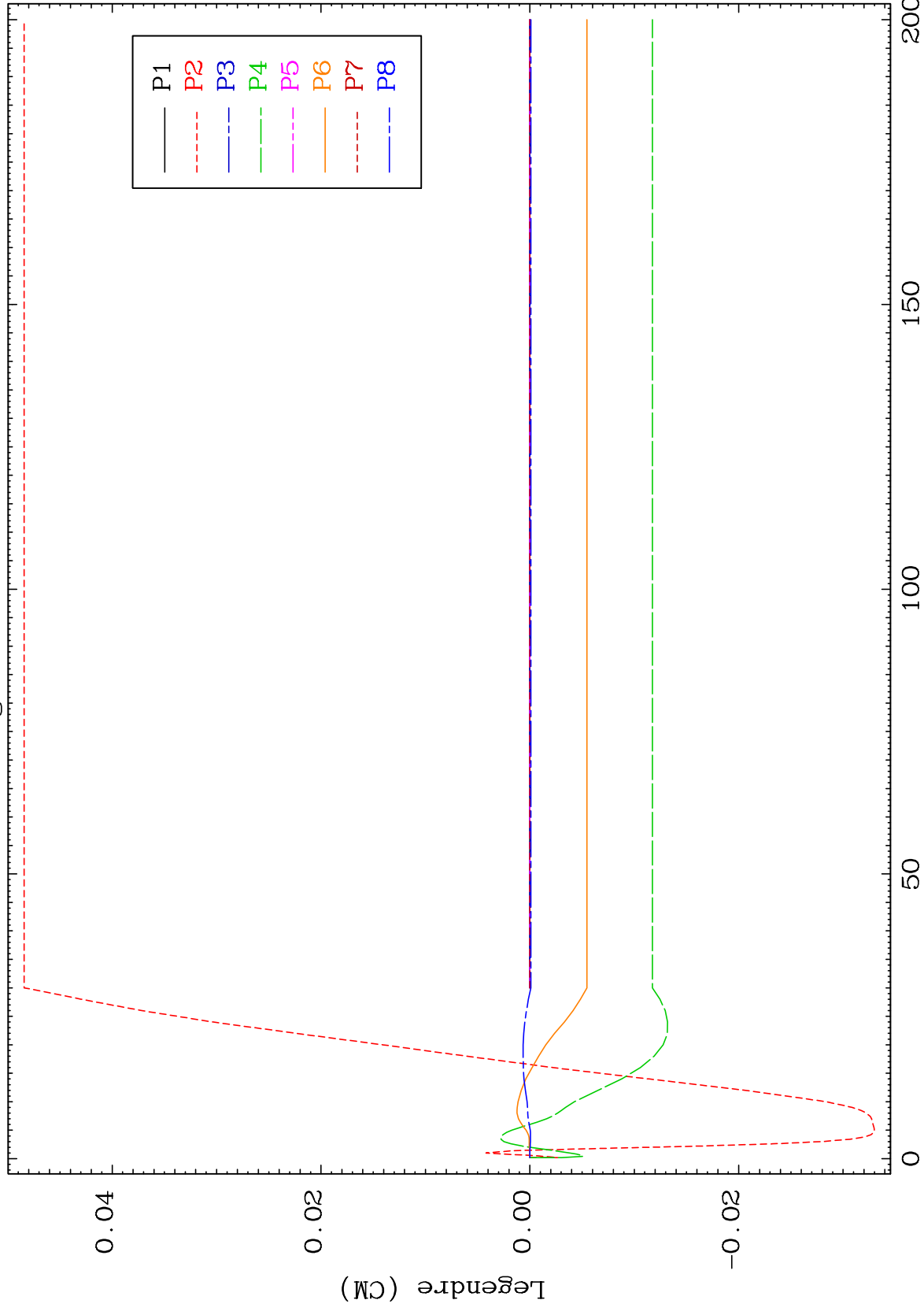
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MAT 6428

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

64-Gd-153



42

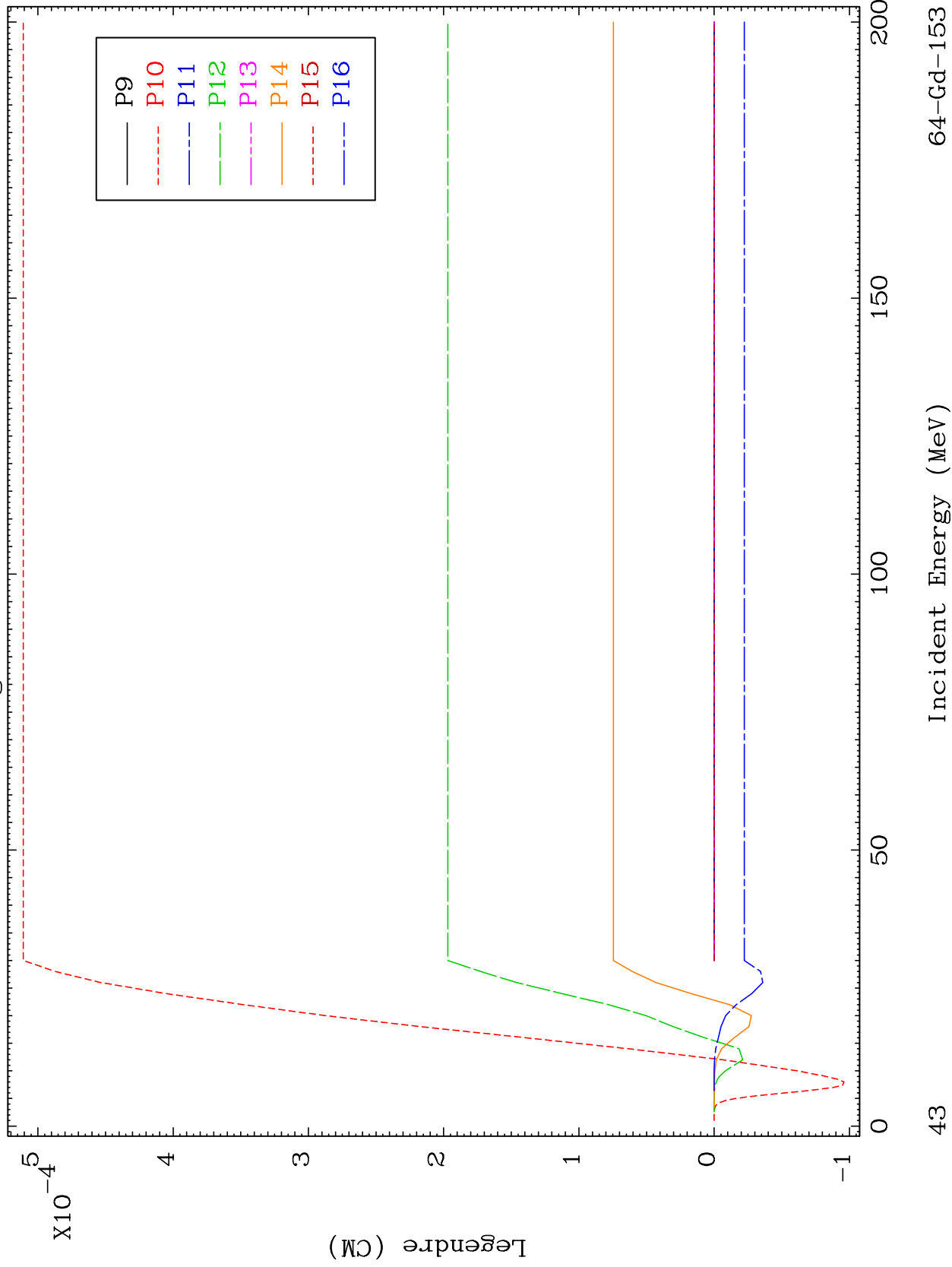
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

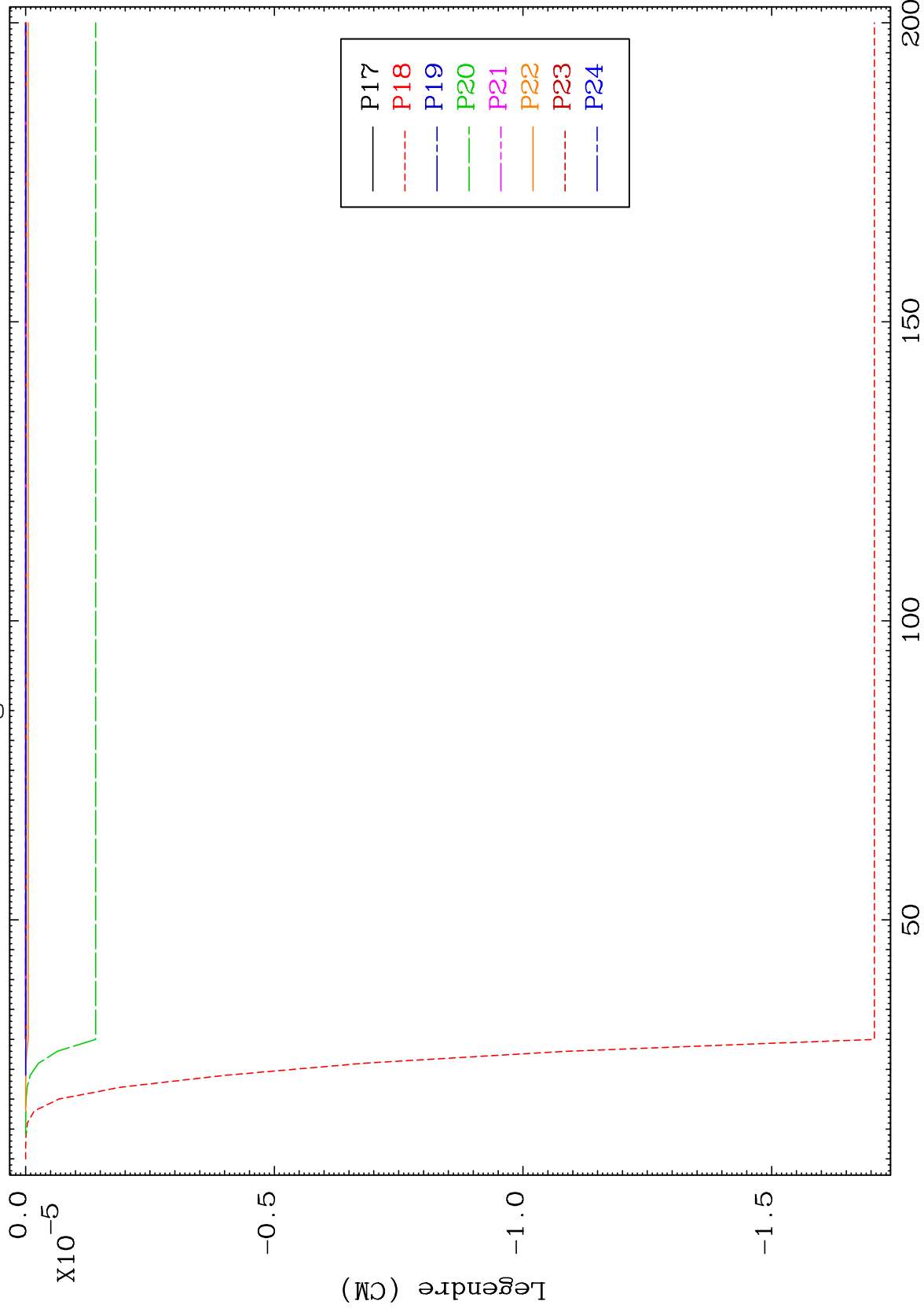
Incident Energy (MeV)

43

MAT 6428

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

64-Gd-153



44

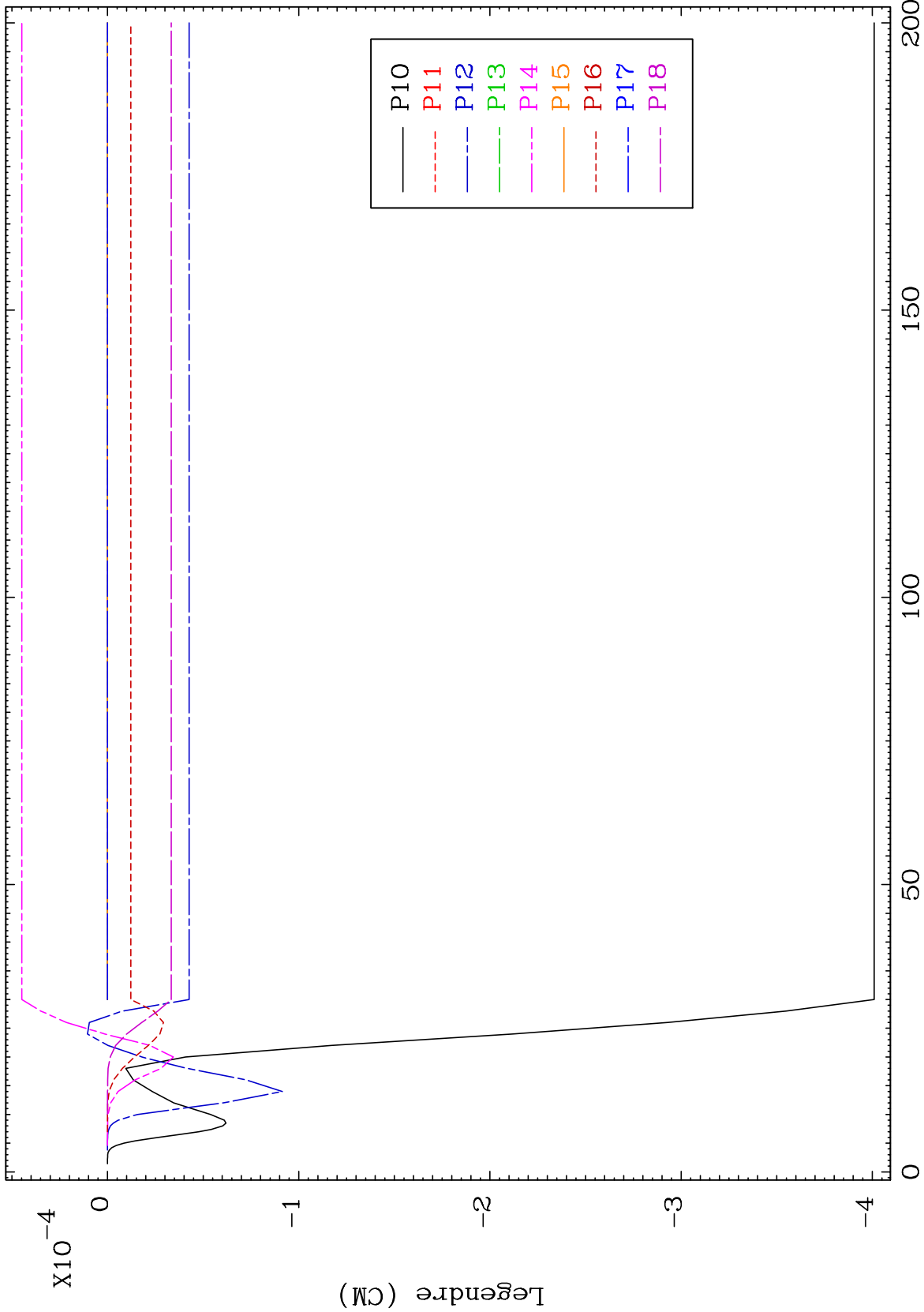
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



46

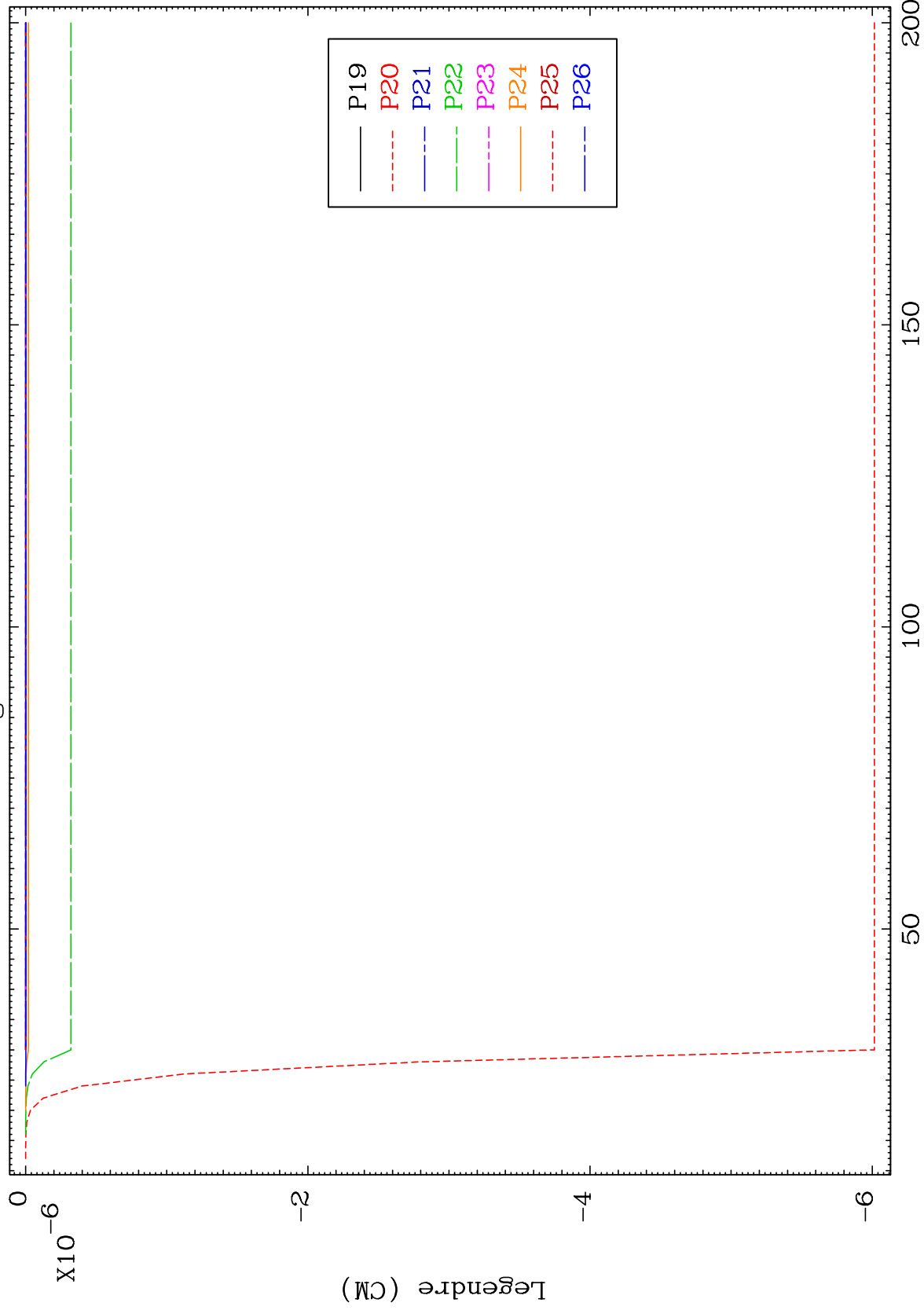
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



47

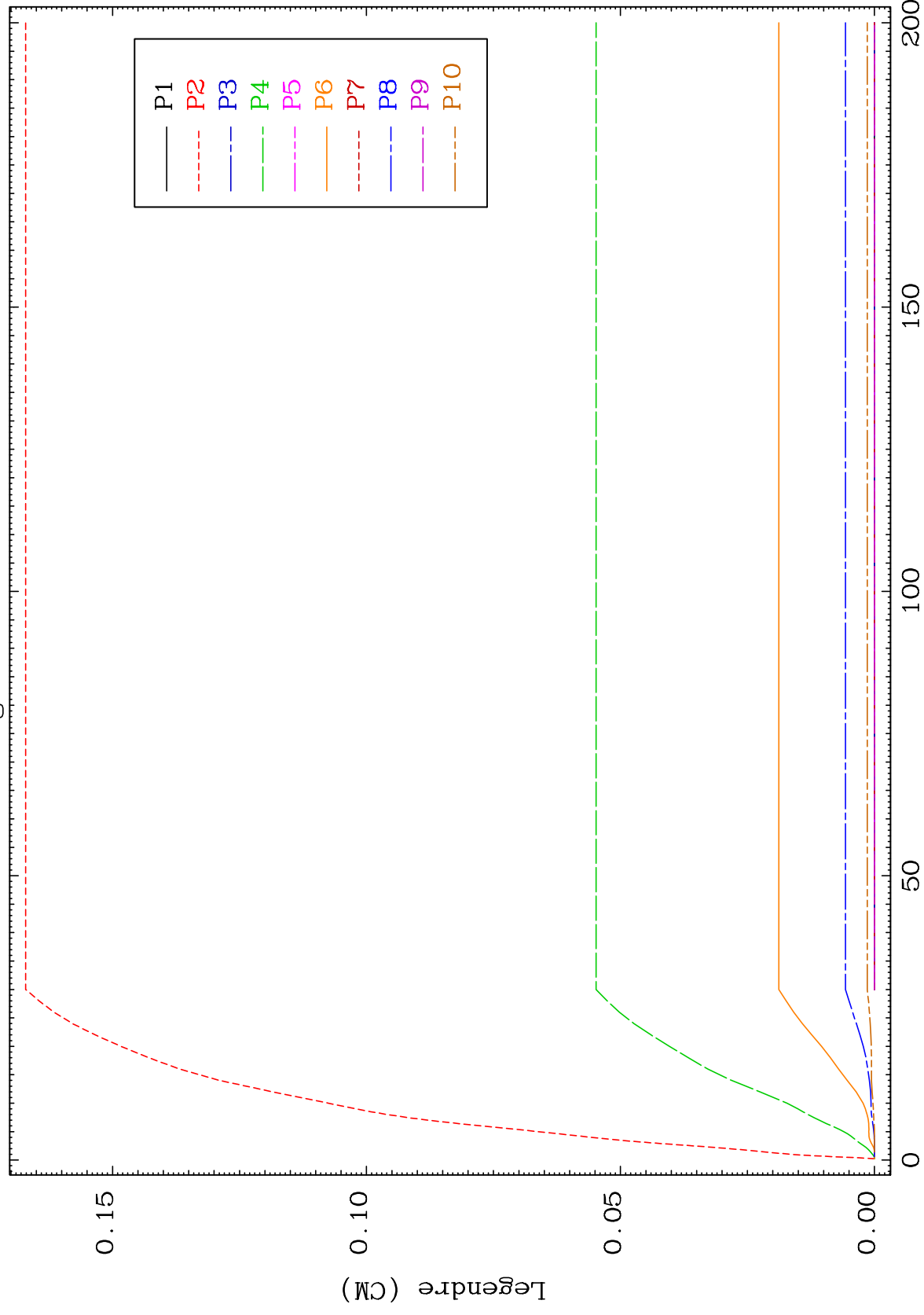
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



48

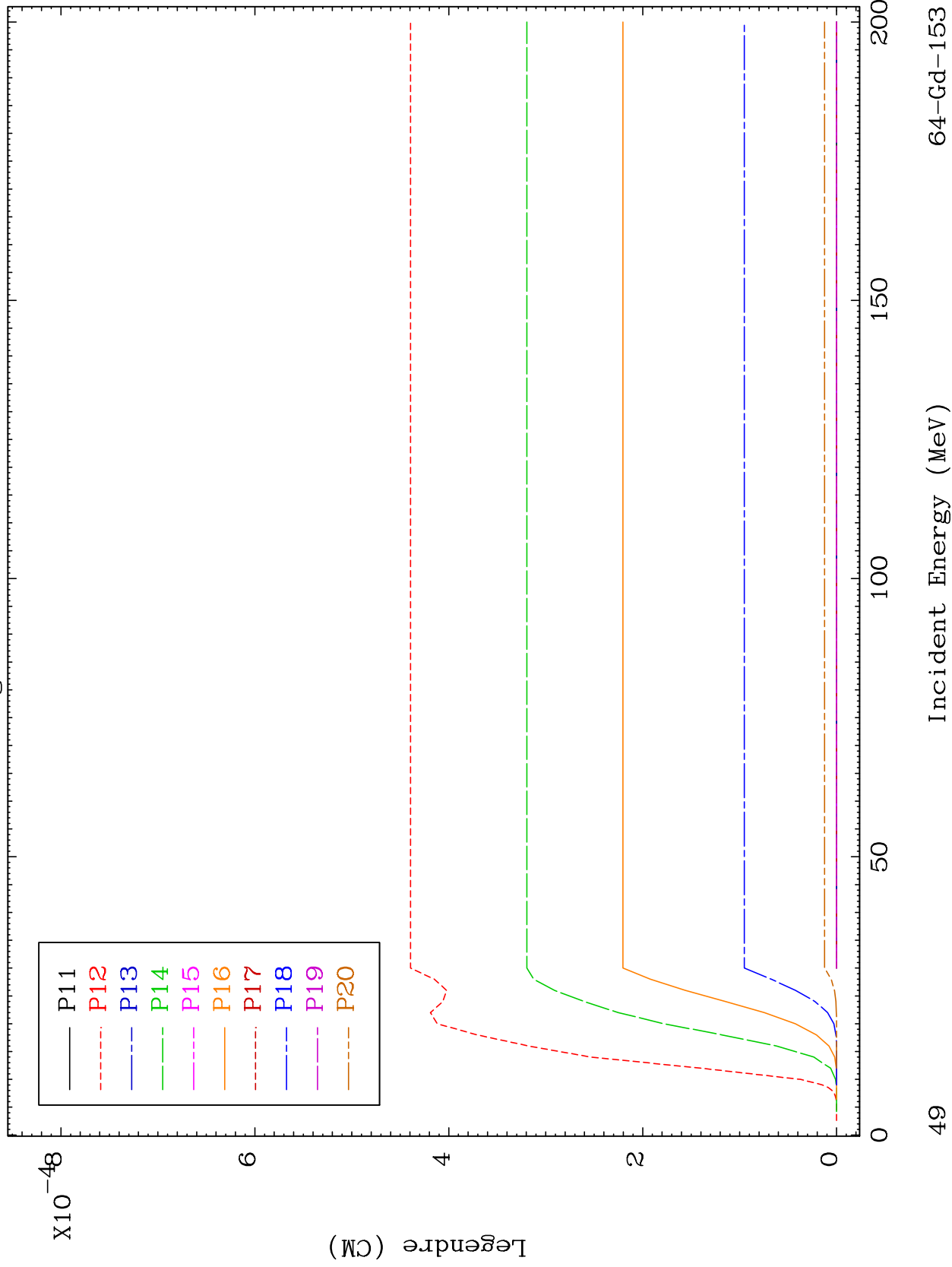
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



49

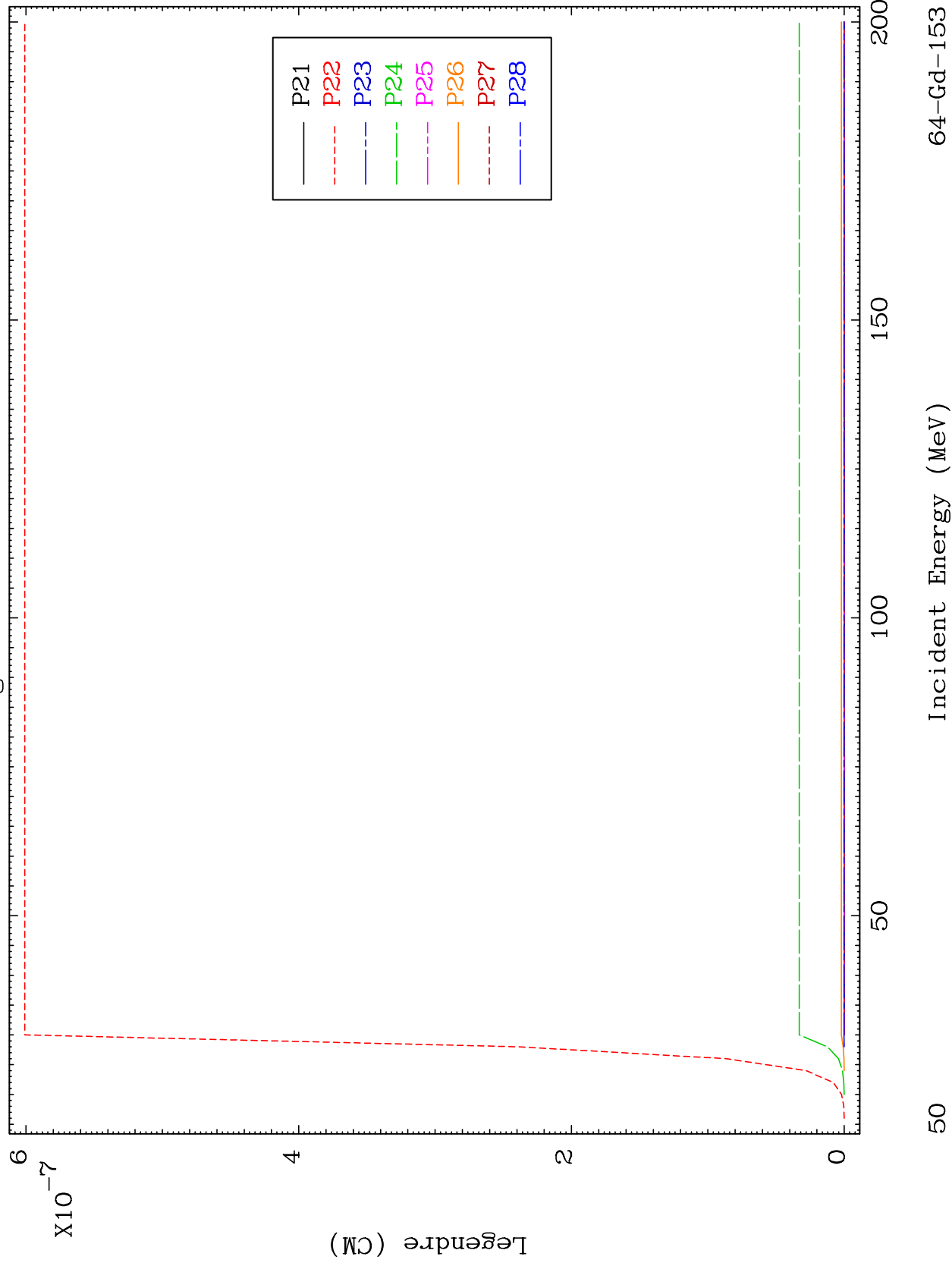
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

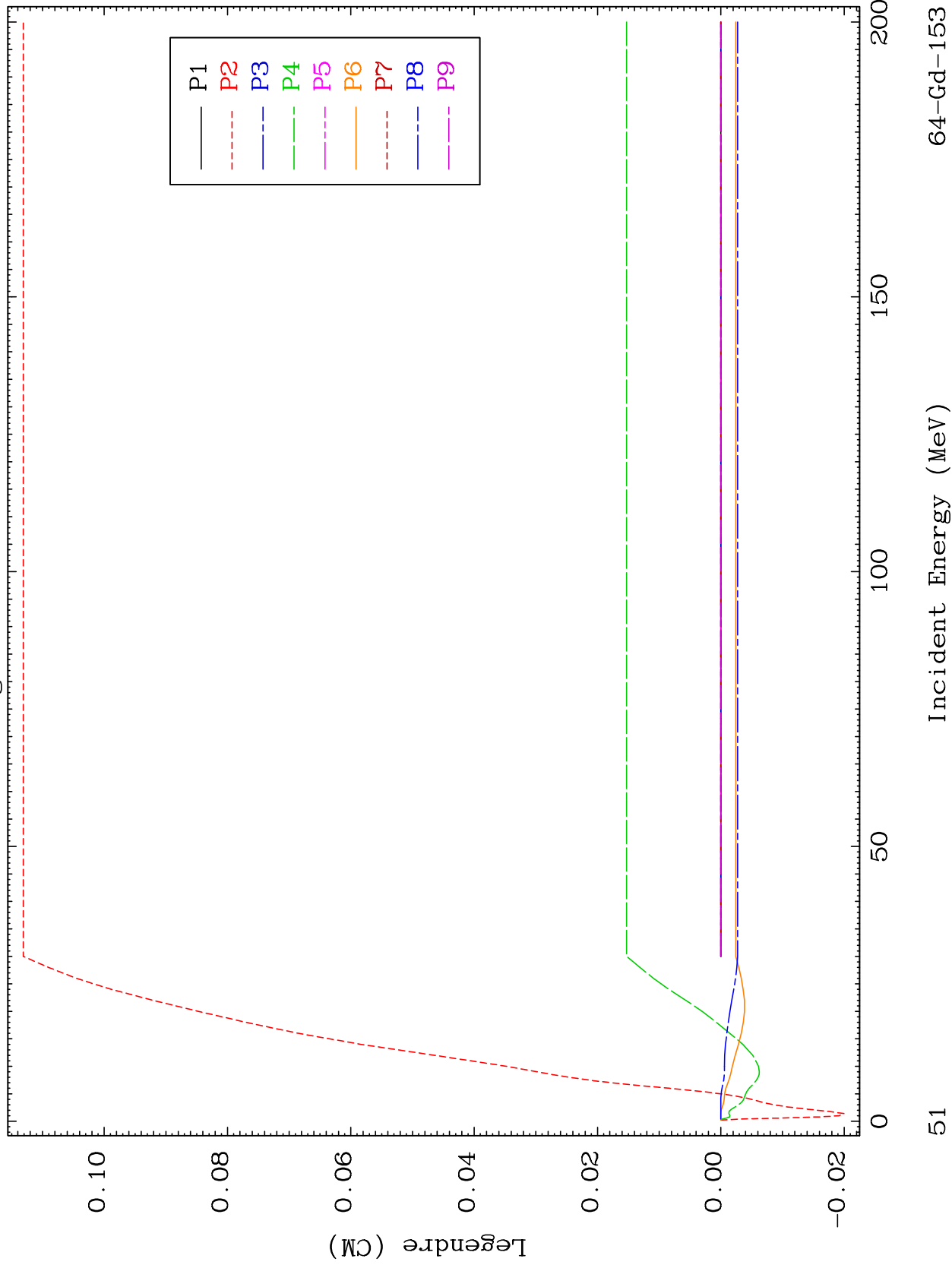
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MAT 6428

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

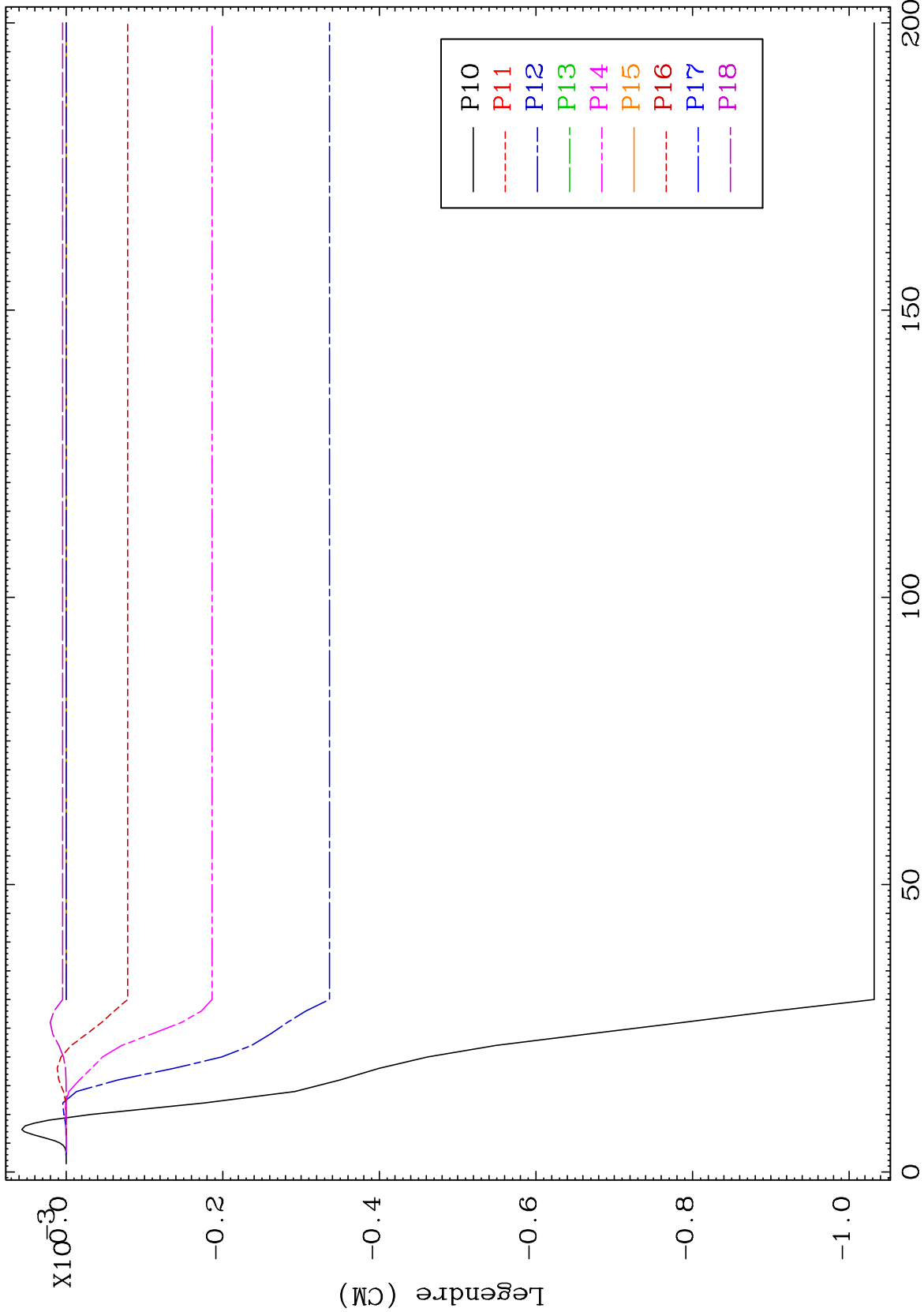
64-Gd-153



64-Gd-153

Incident Energy (MeV)

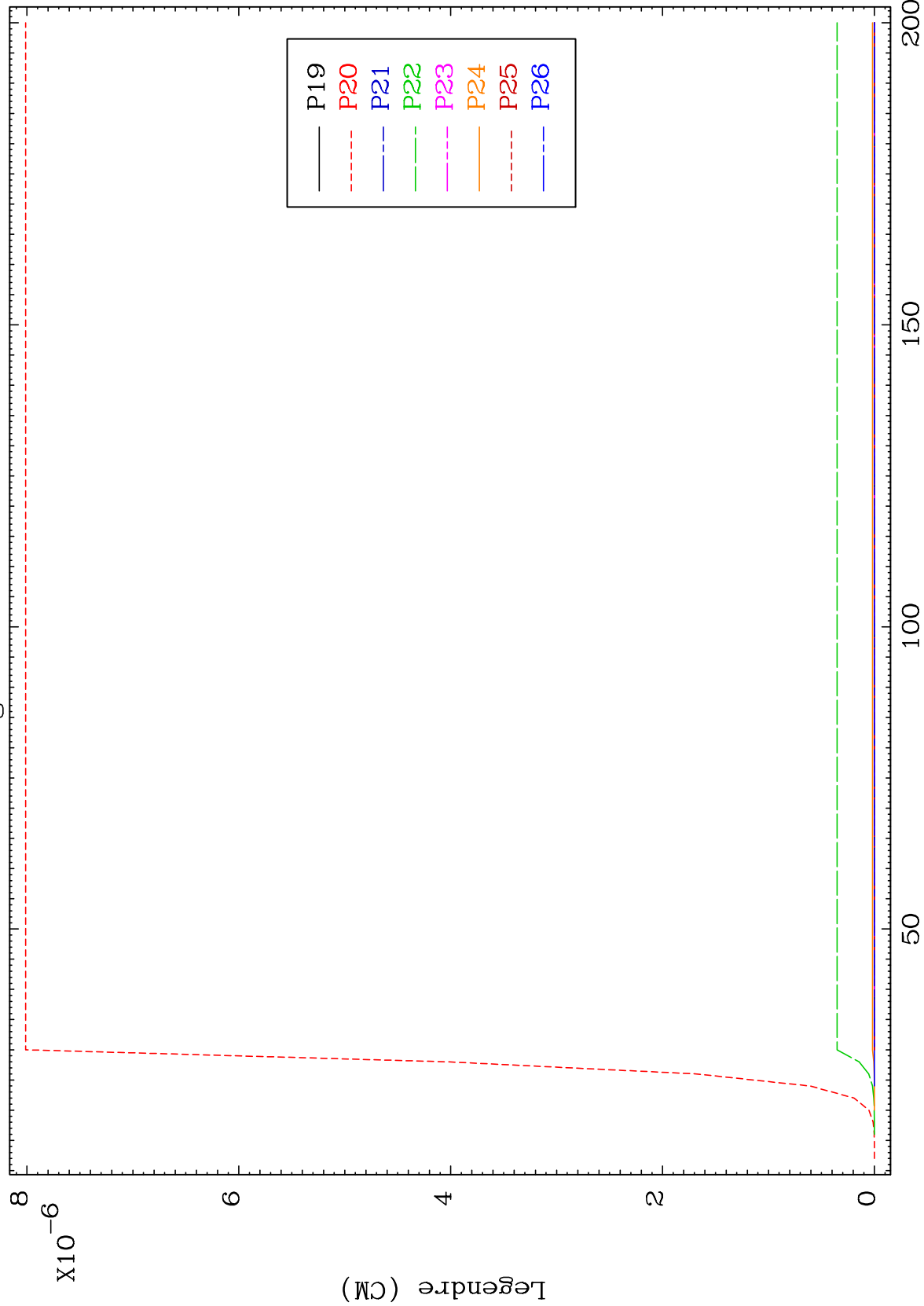
51



MAT 6428

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

64-Gd-153



64-Gd-153

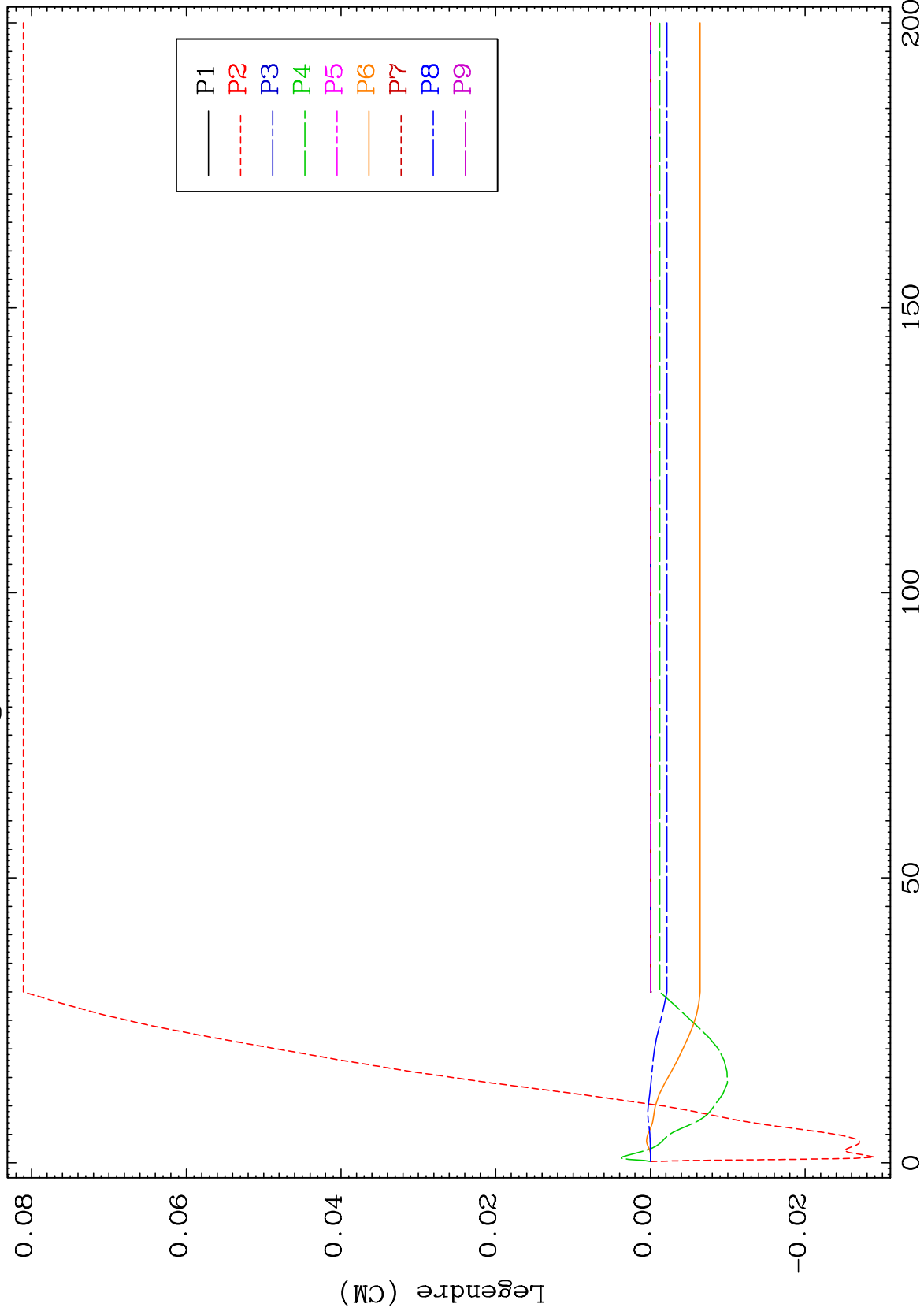
Incident Energy (MeV)

53

MAT 6428

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

64-Gd-153



64-Gd-153

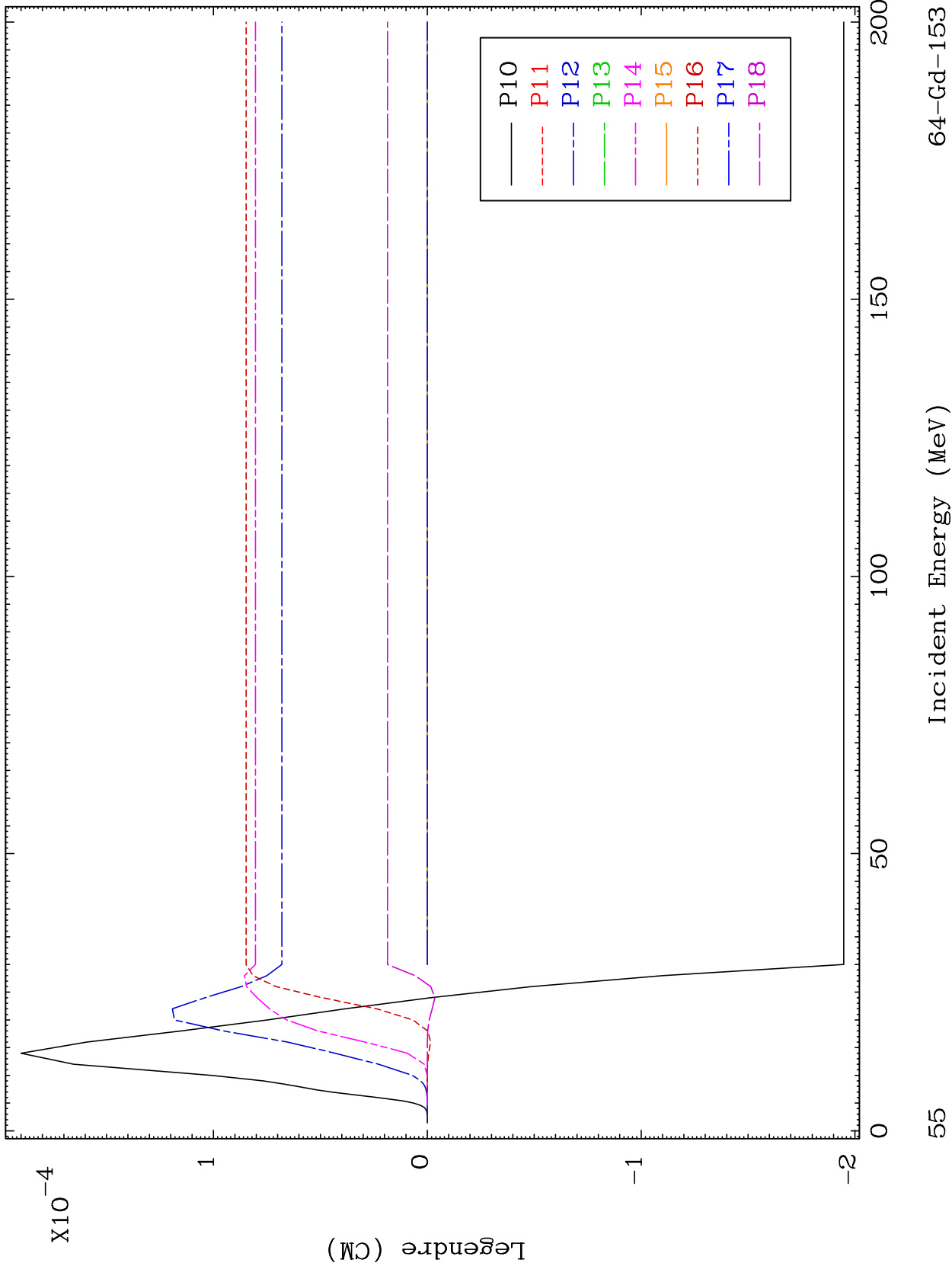
Incident Energy (MeV)

54

MAT 6428

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

64-Gd-153



64-Gd-153

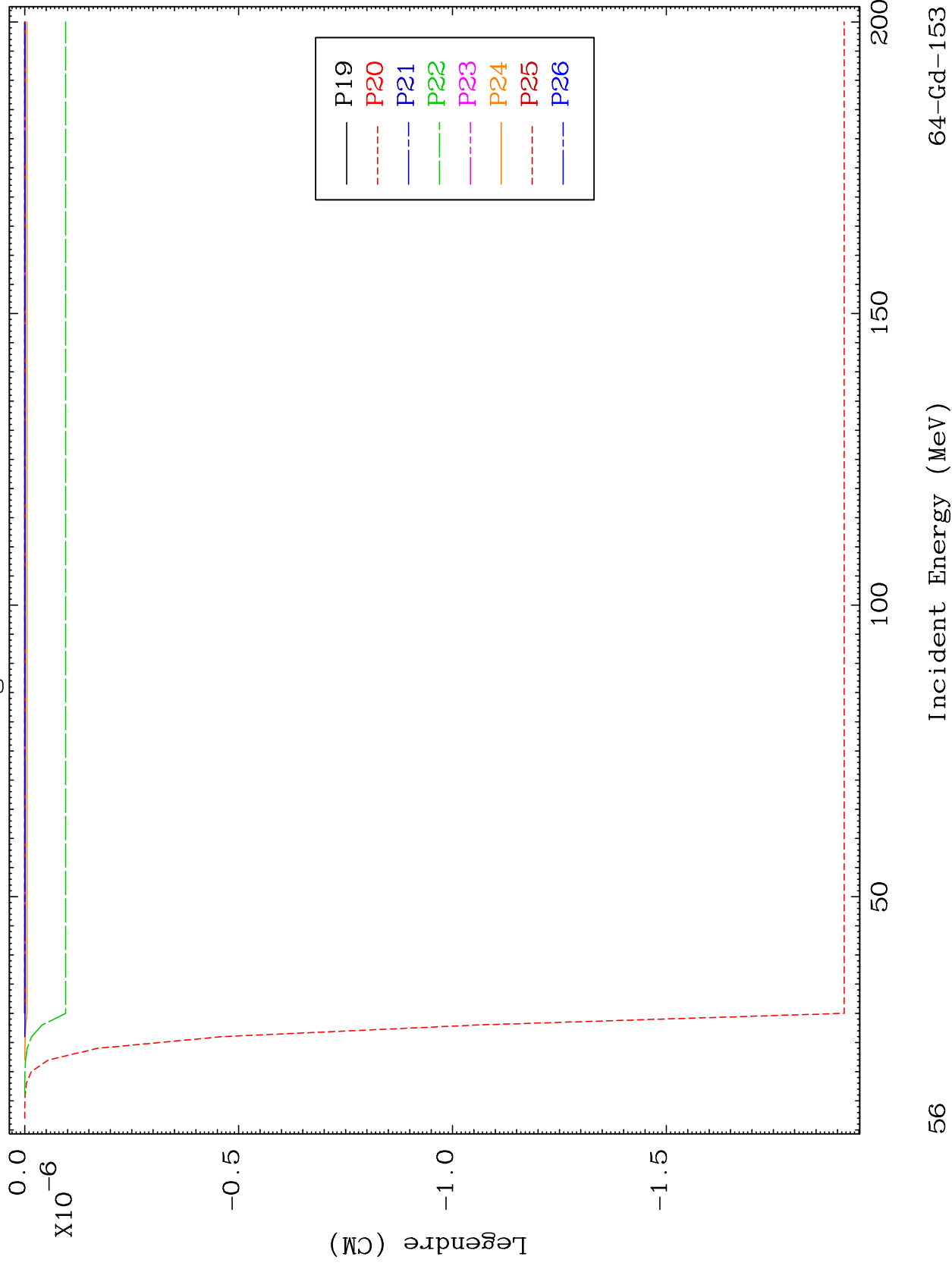
Incident Energy (MeV)

55

MAT 6428

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

64-Gd-153



56

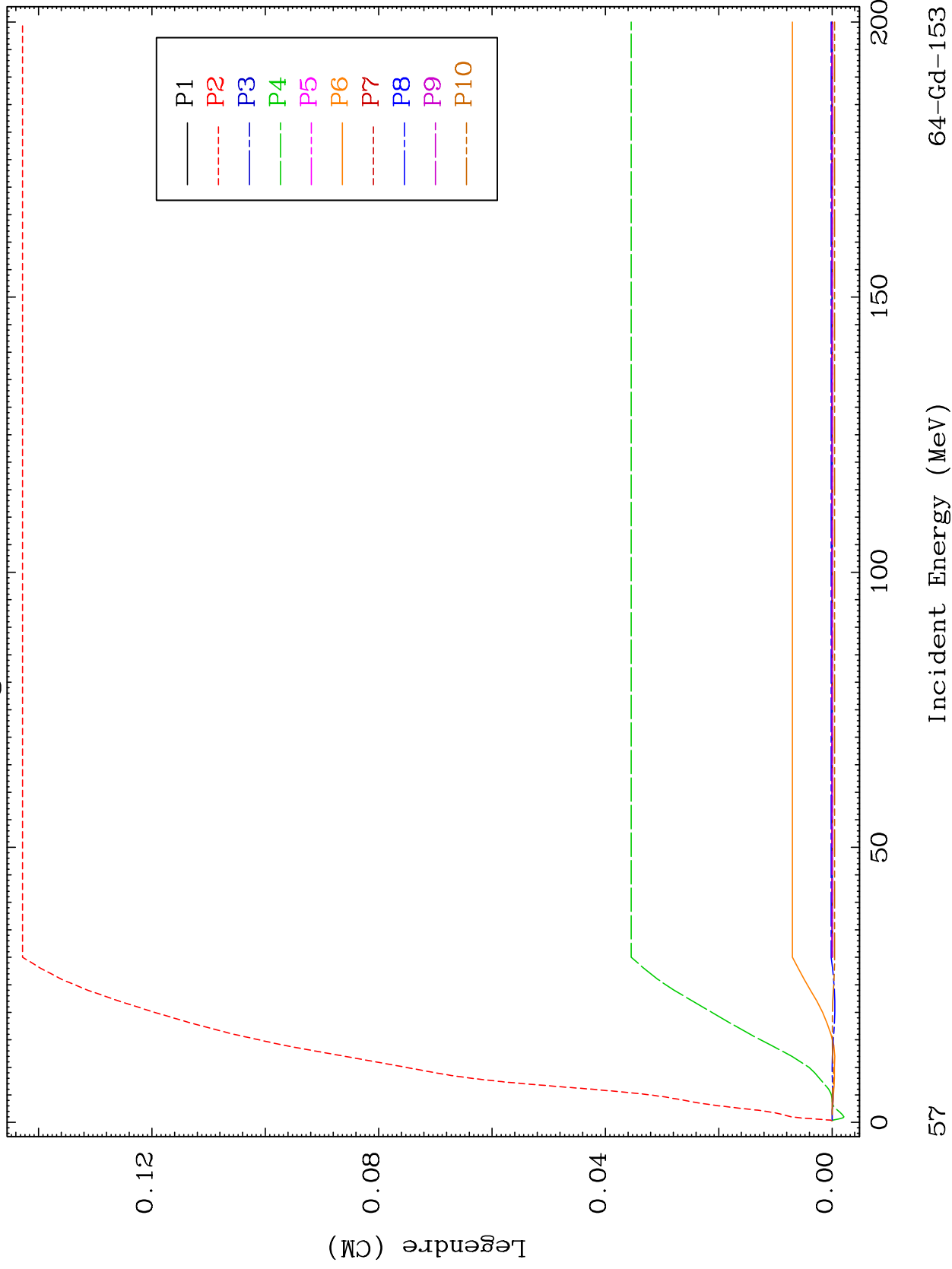
Incident Energy (MeV)

64-Gd-153

MAT 6428

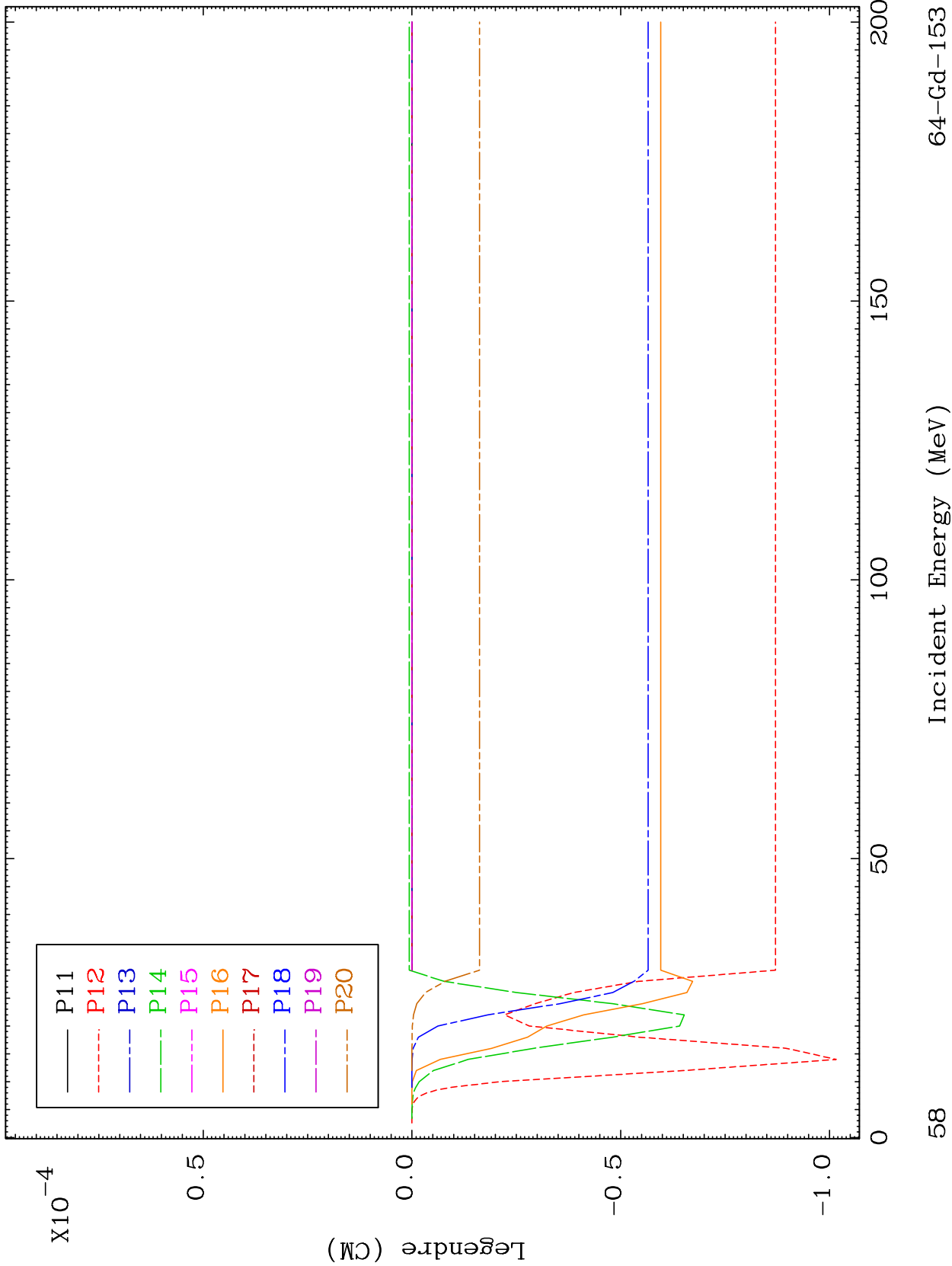
MT= 63 (n,n') Level
Legendre Coefficients

64-Gd-153



57

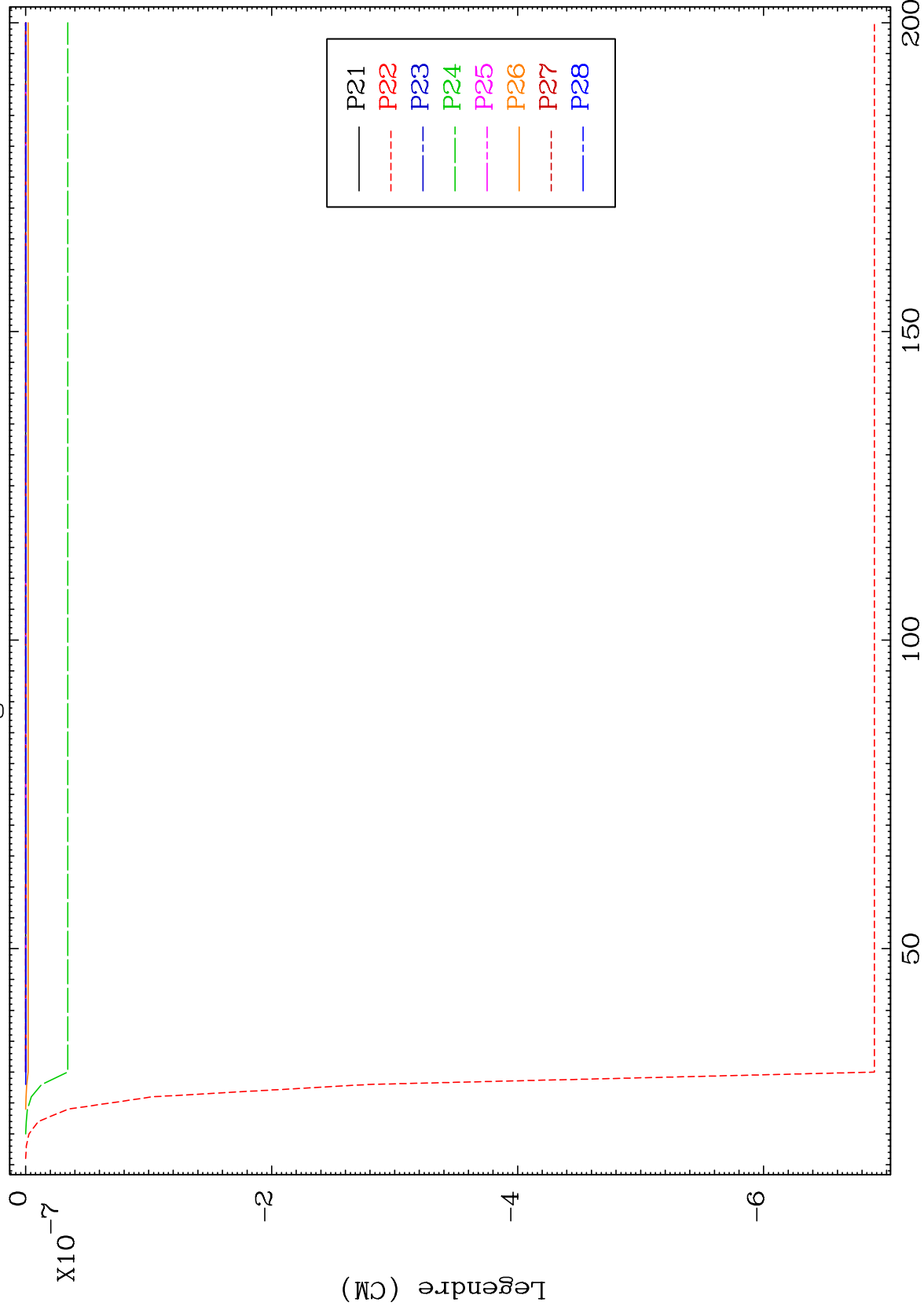
64-Gd-153



MAT 6428

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

64-Gd-153



59

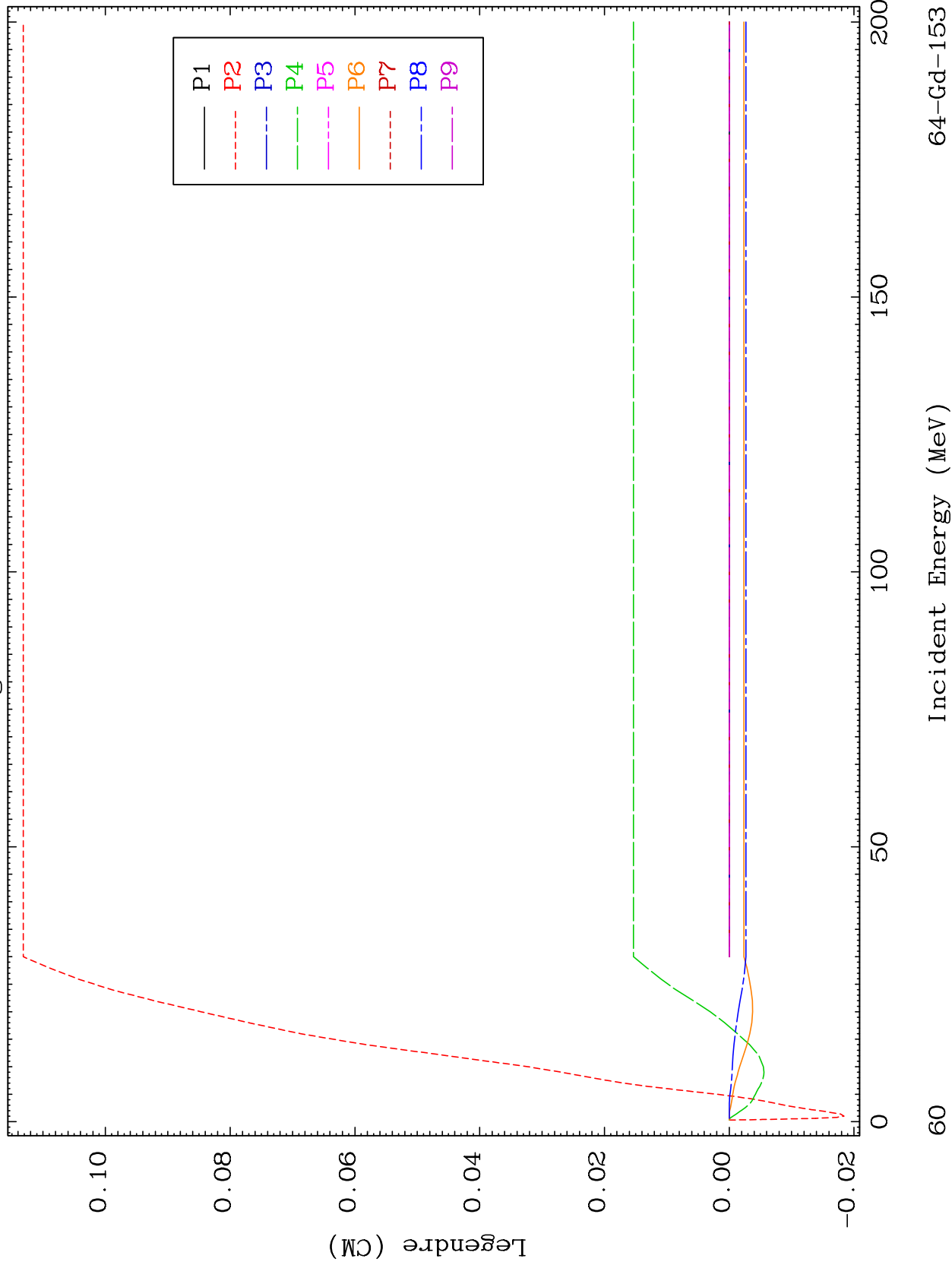
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153

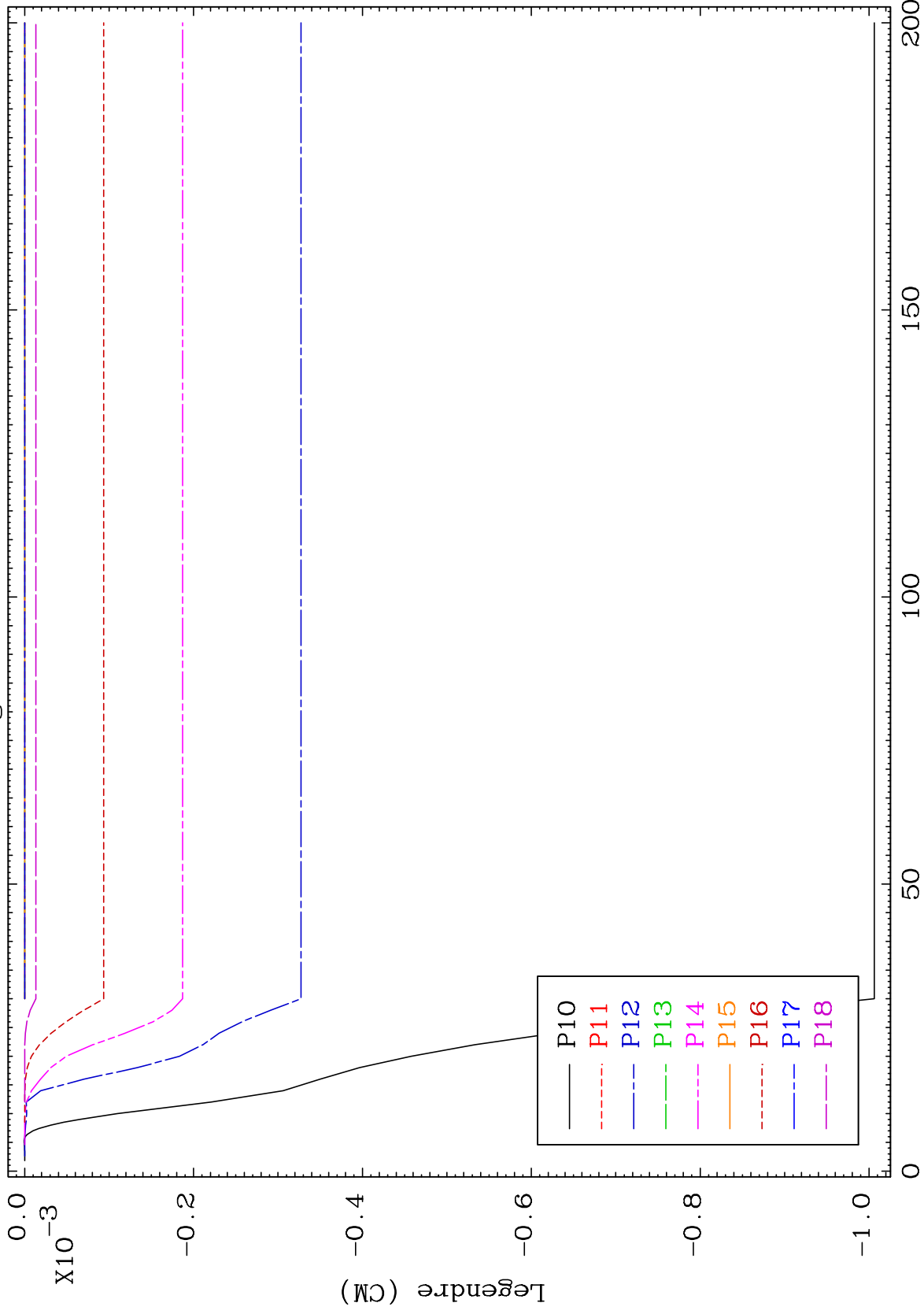


64-Gd-153

MAT 6428

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

64-Gd-153



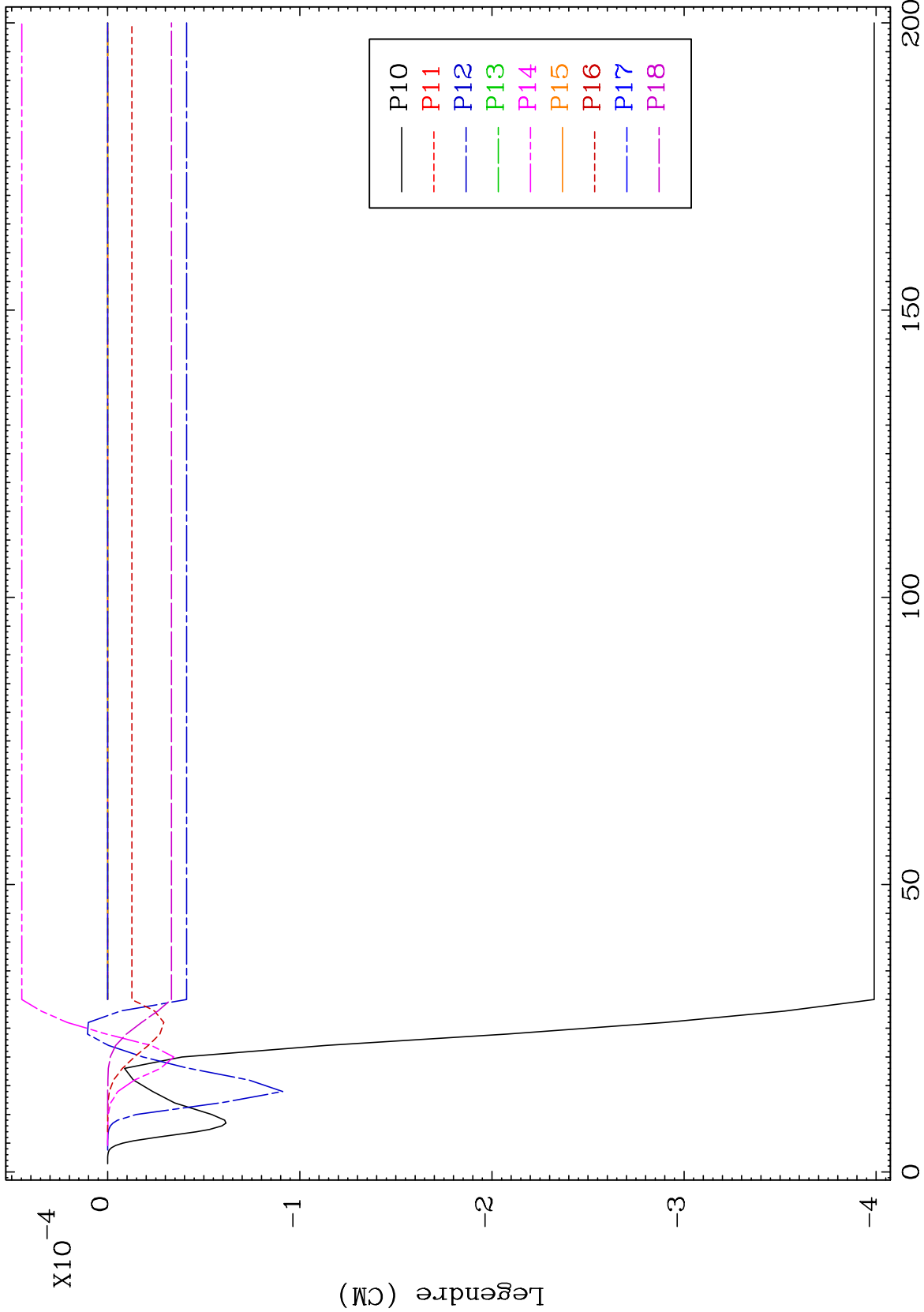
61

64-Gd-153

MAT 6428

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

64-Gd-153



64

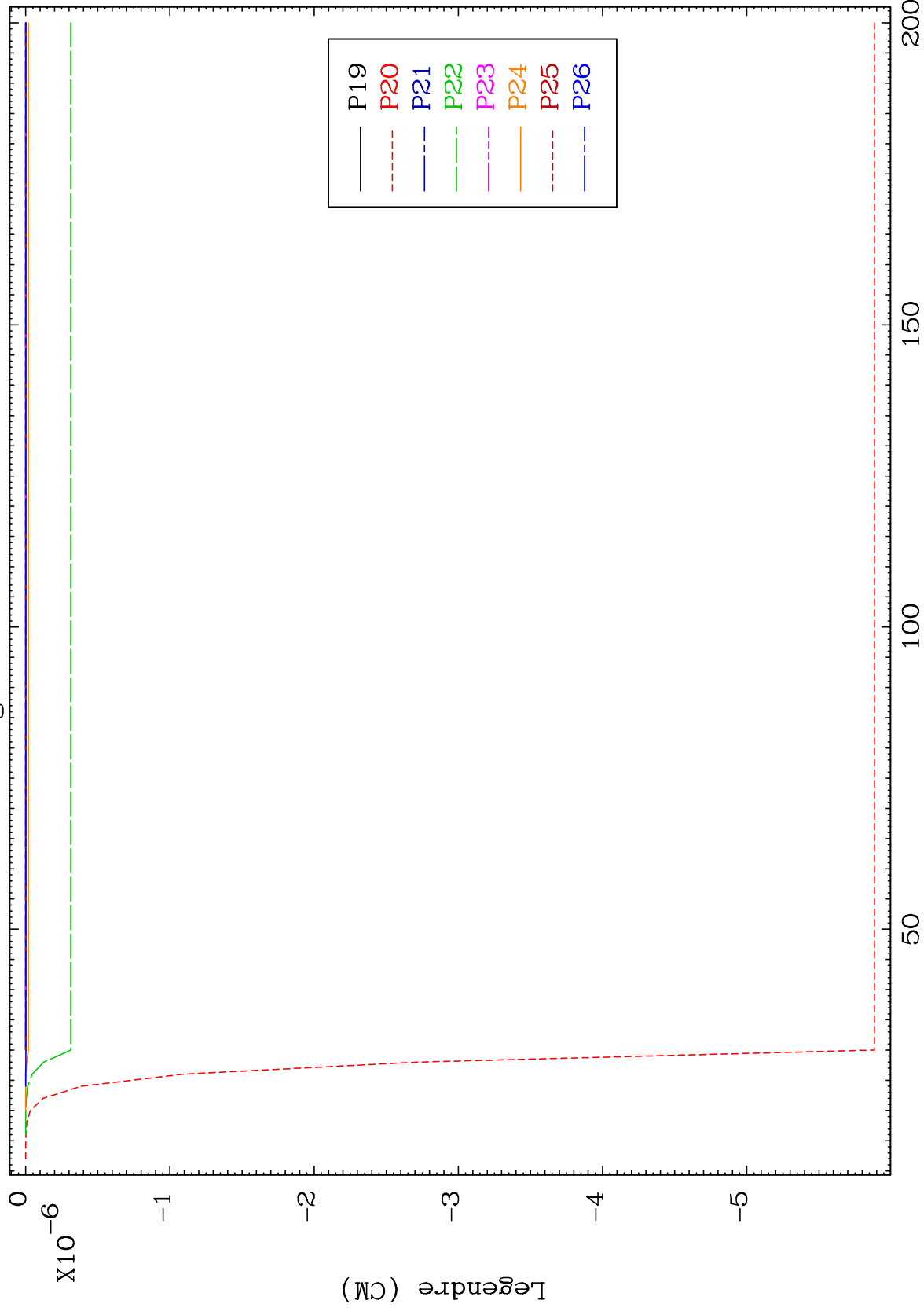
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



65

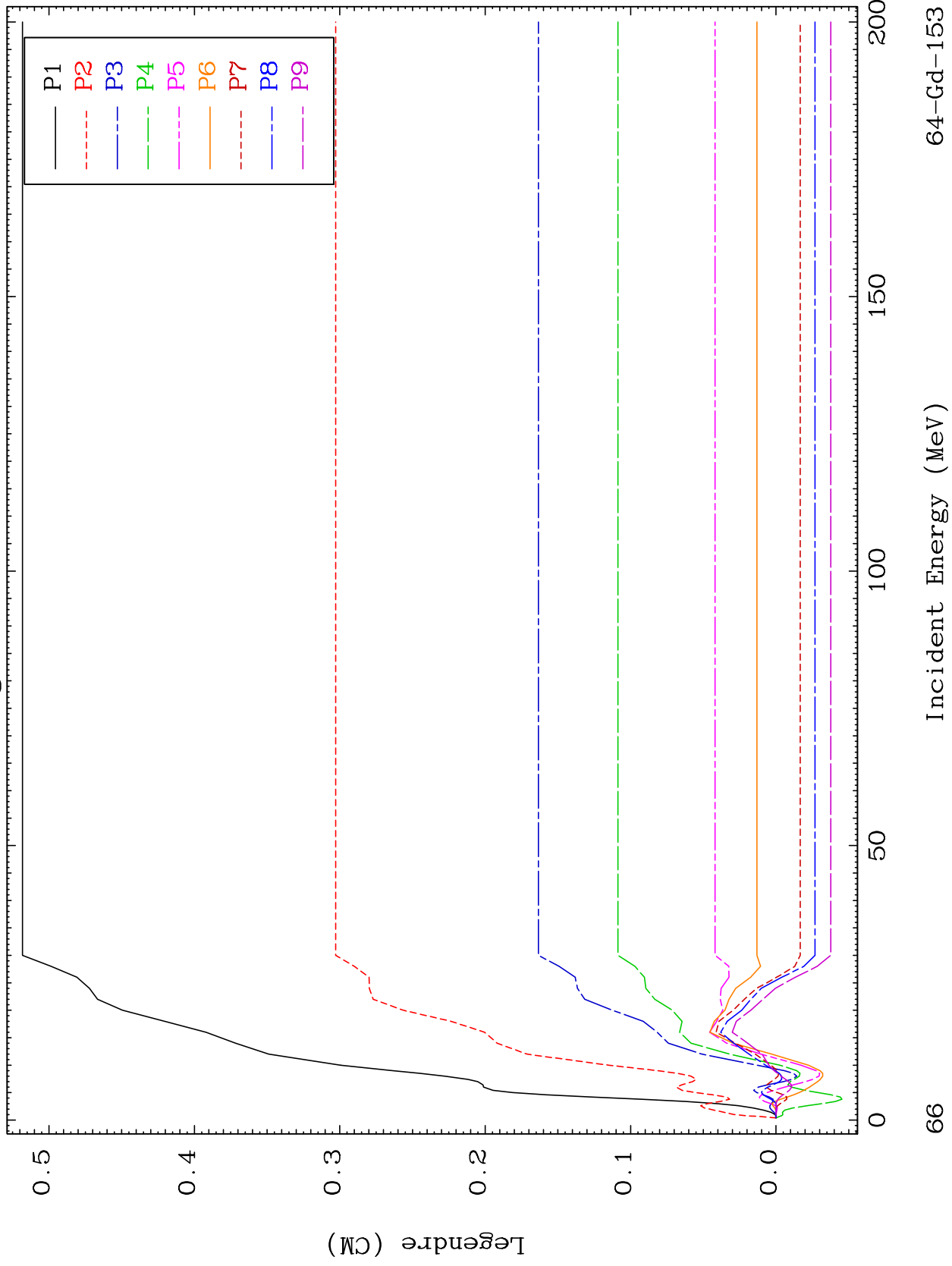
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

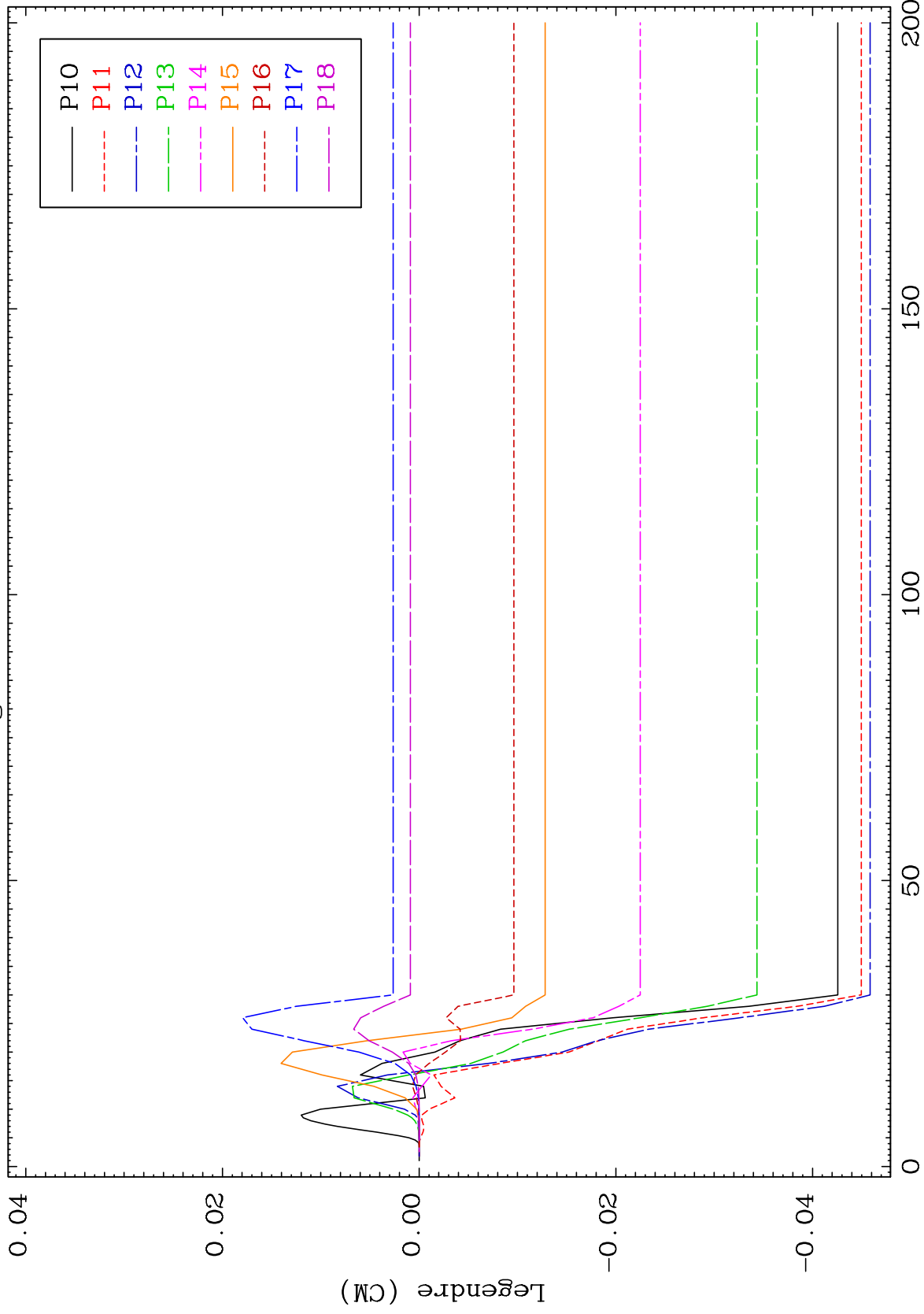
Incident Energy (MeV)

66

MAT 6428

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

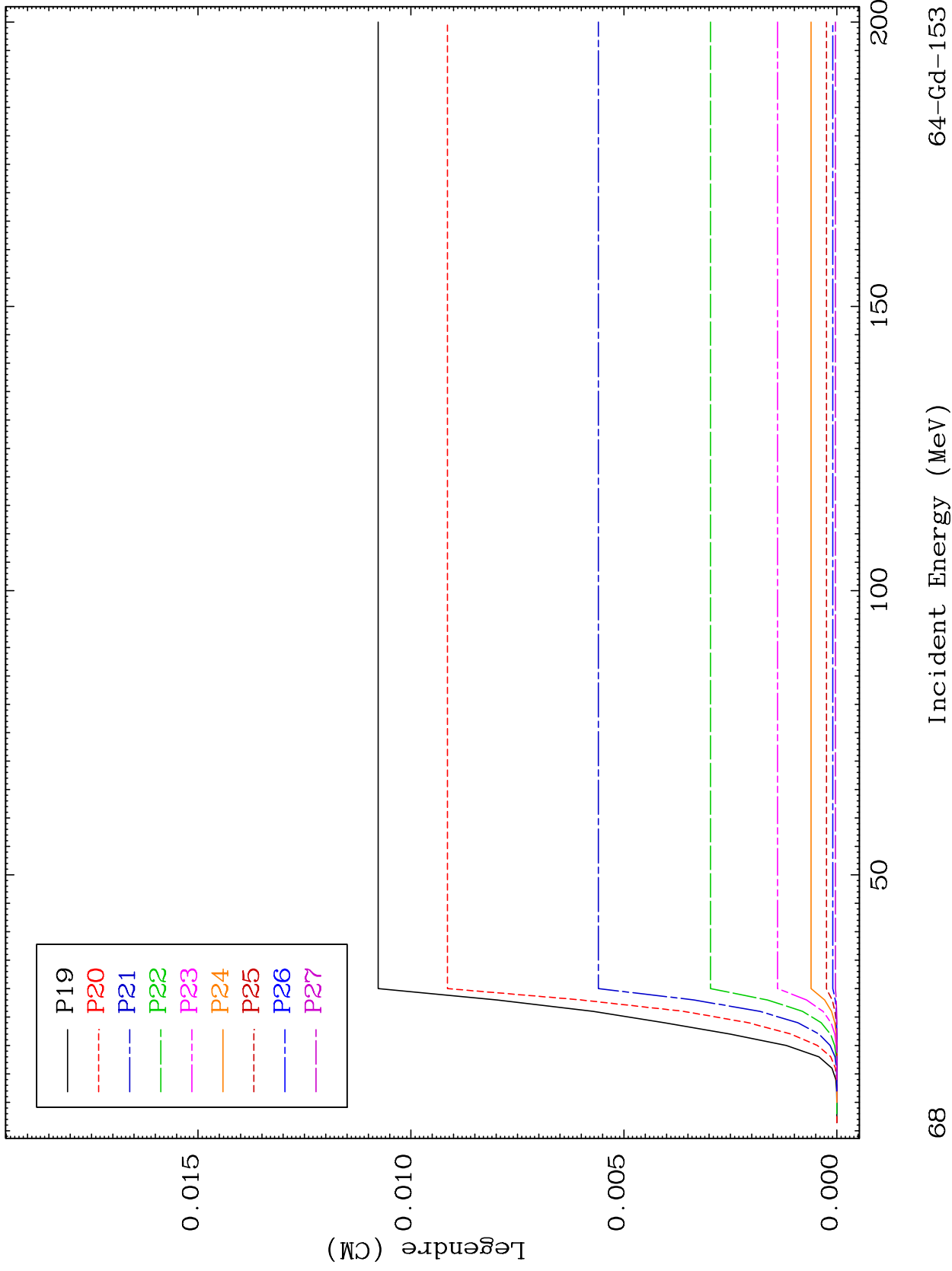
64-Gd-153



67

Incident Energy (MeV)

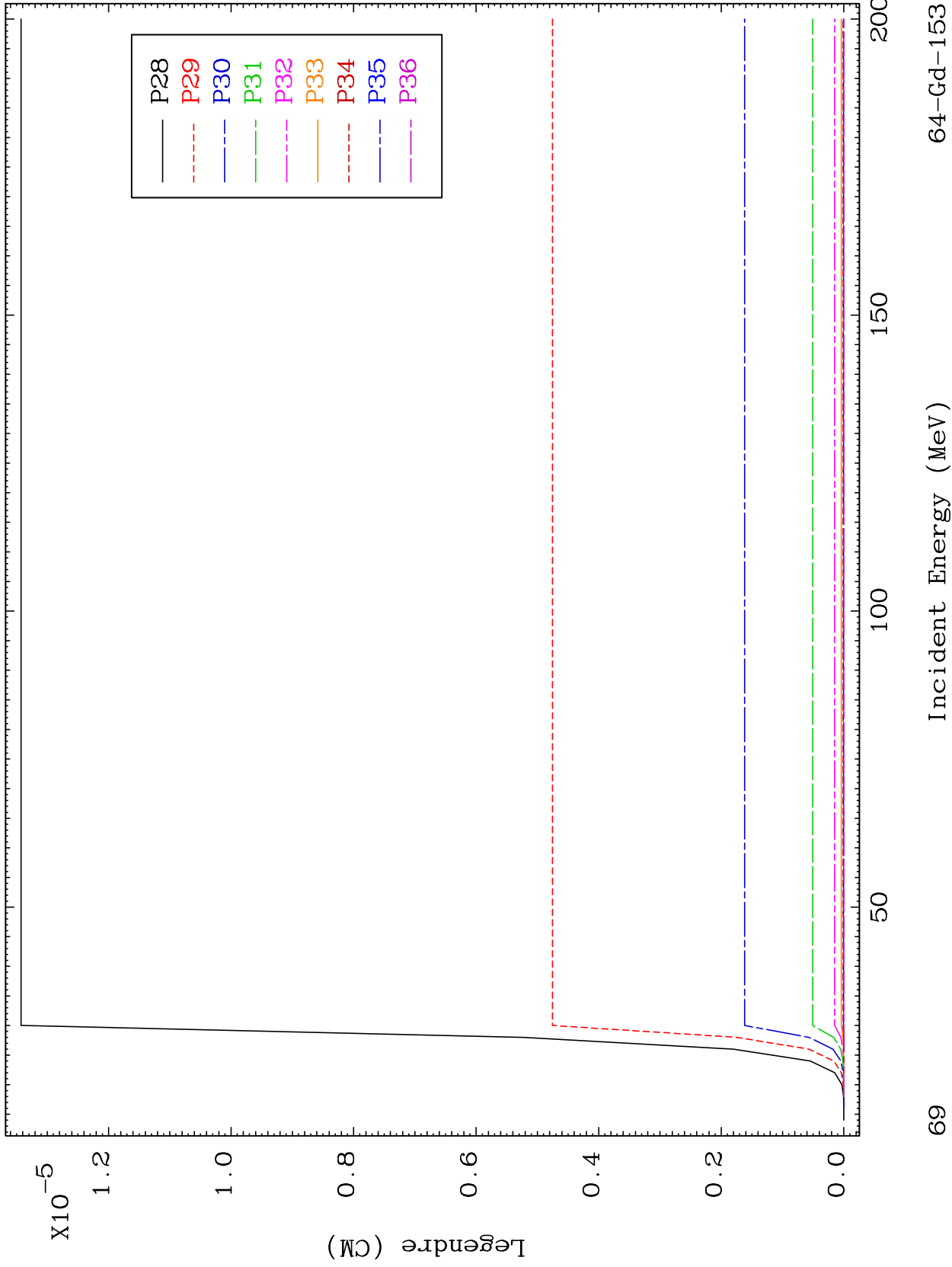
64-Gd-153



MAT 6428

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

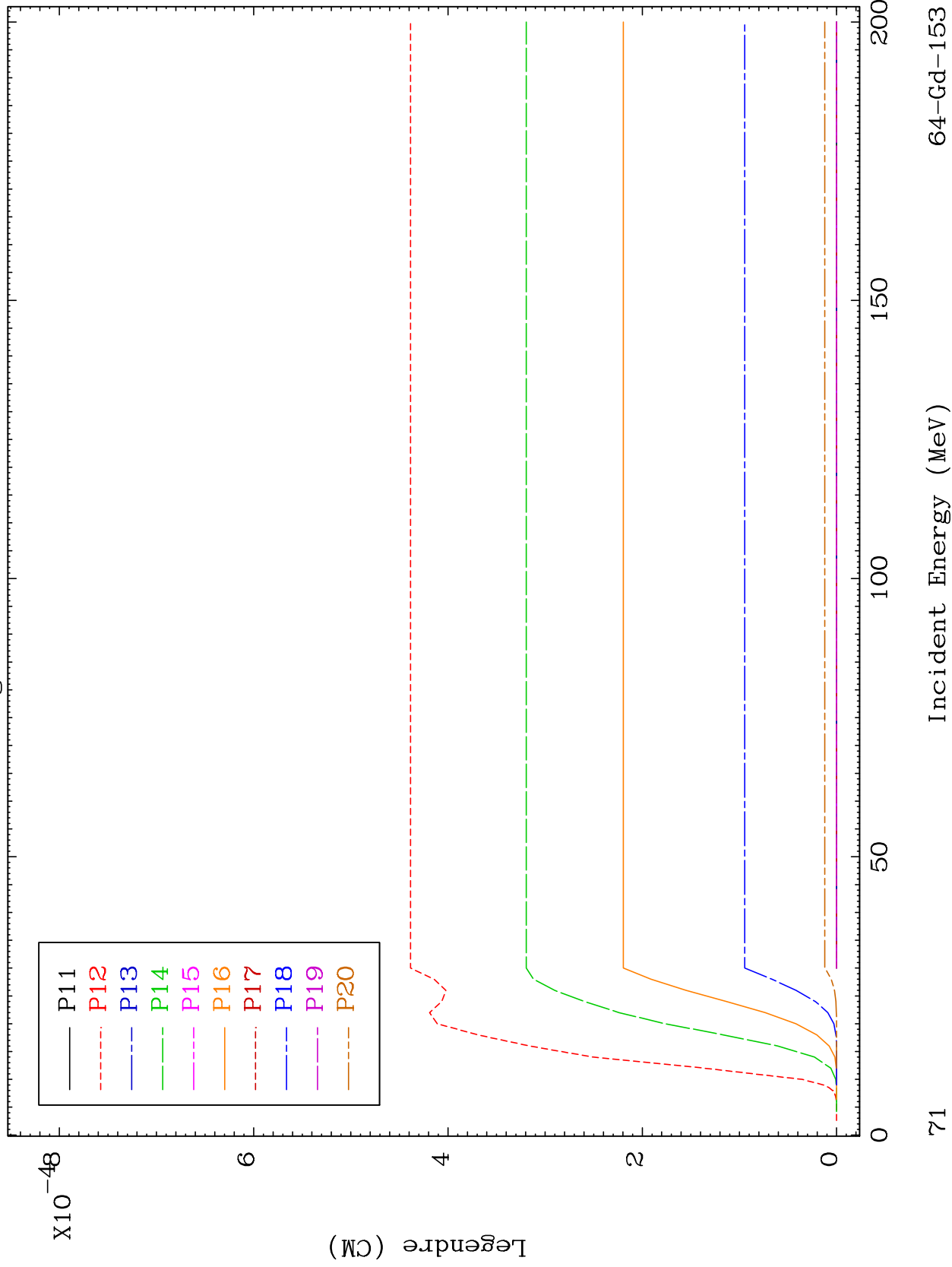
64-Gd-153



MAT 6428

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

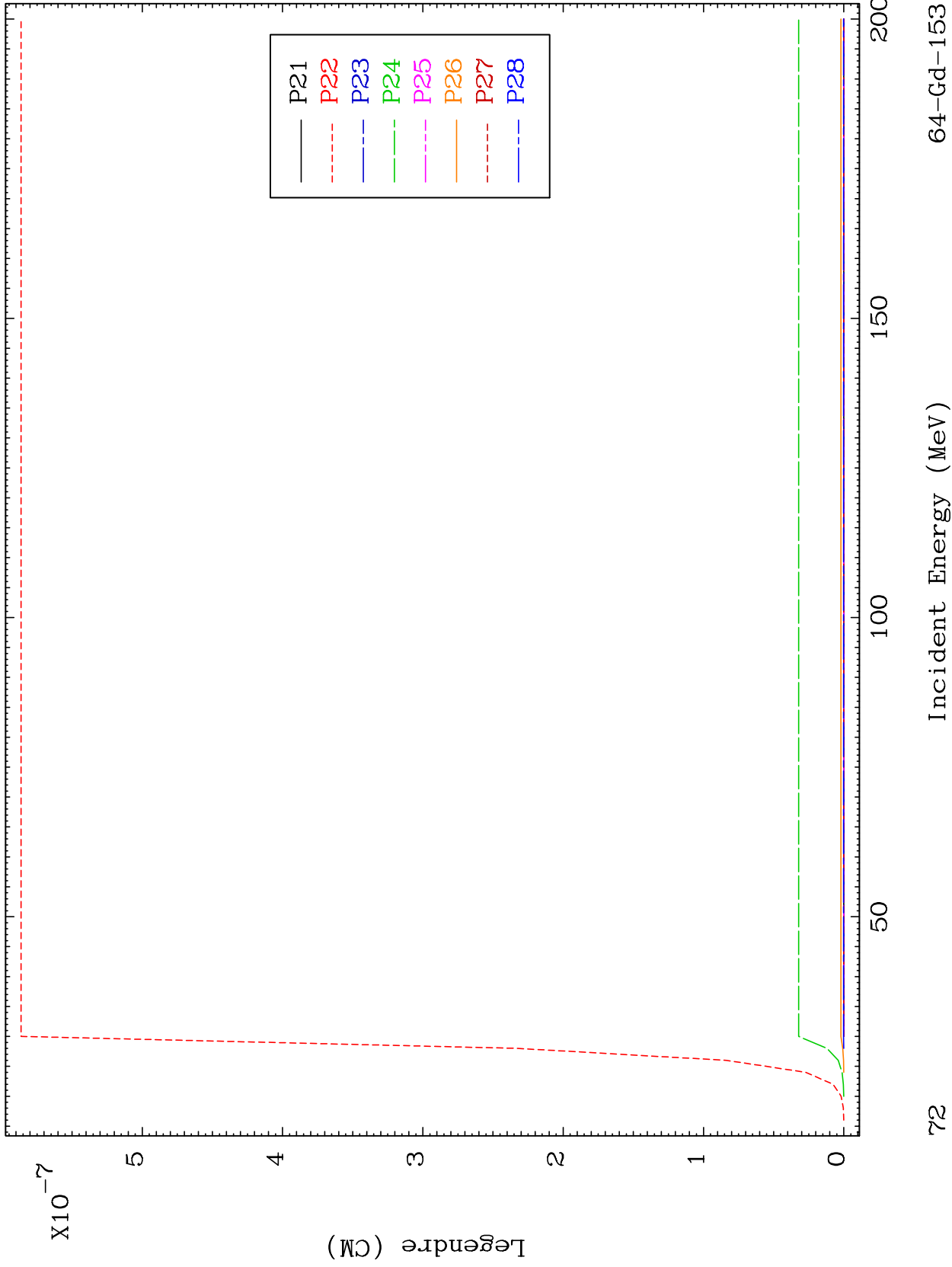
64-Gd-153



MAT 6428

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

64-Gd-153



72

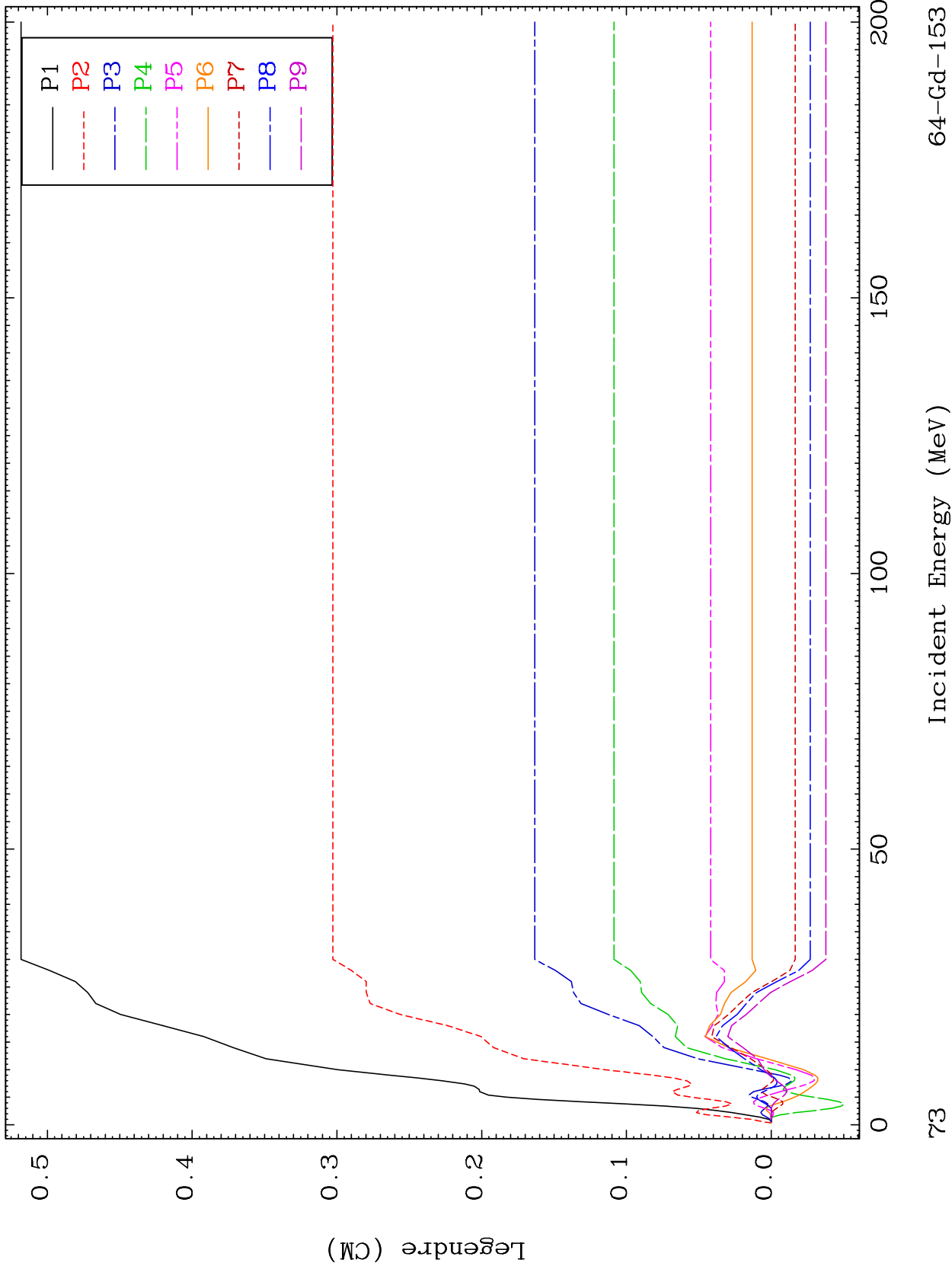
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

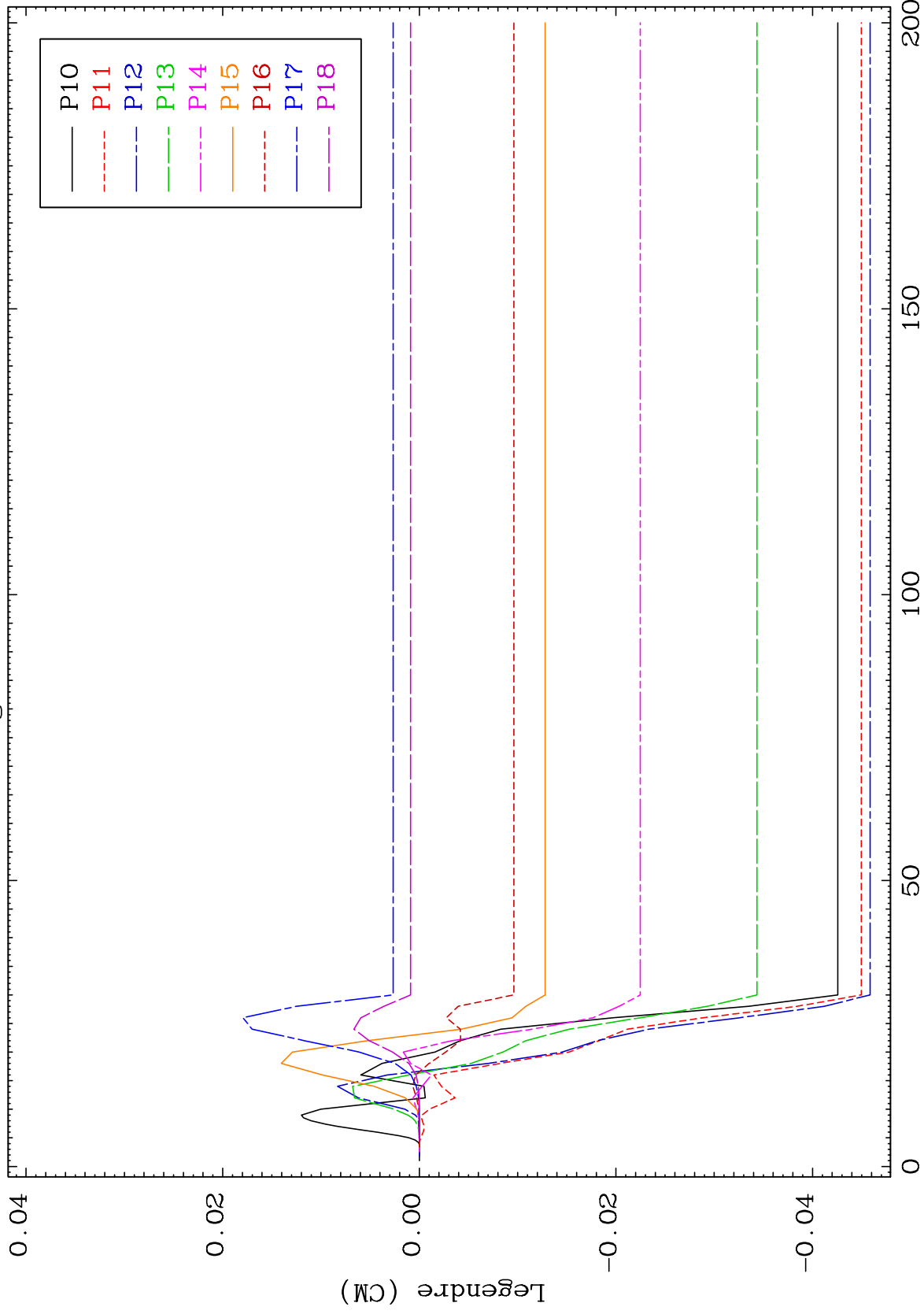
64-Gd-153



MAT 6428

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

64-Gd-153



74

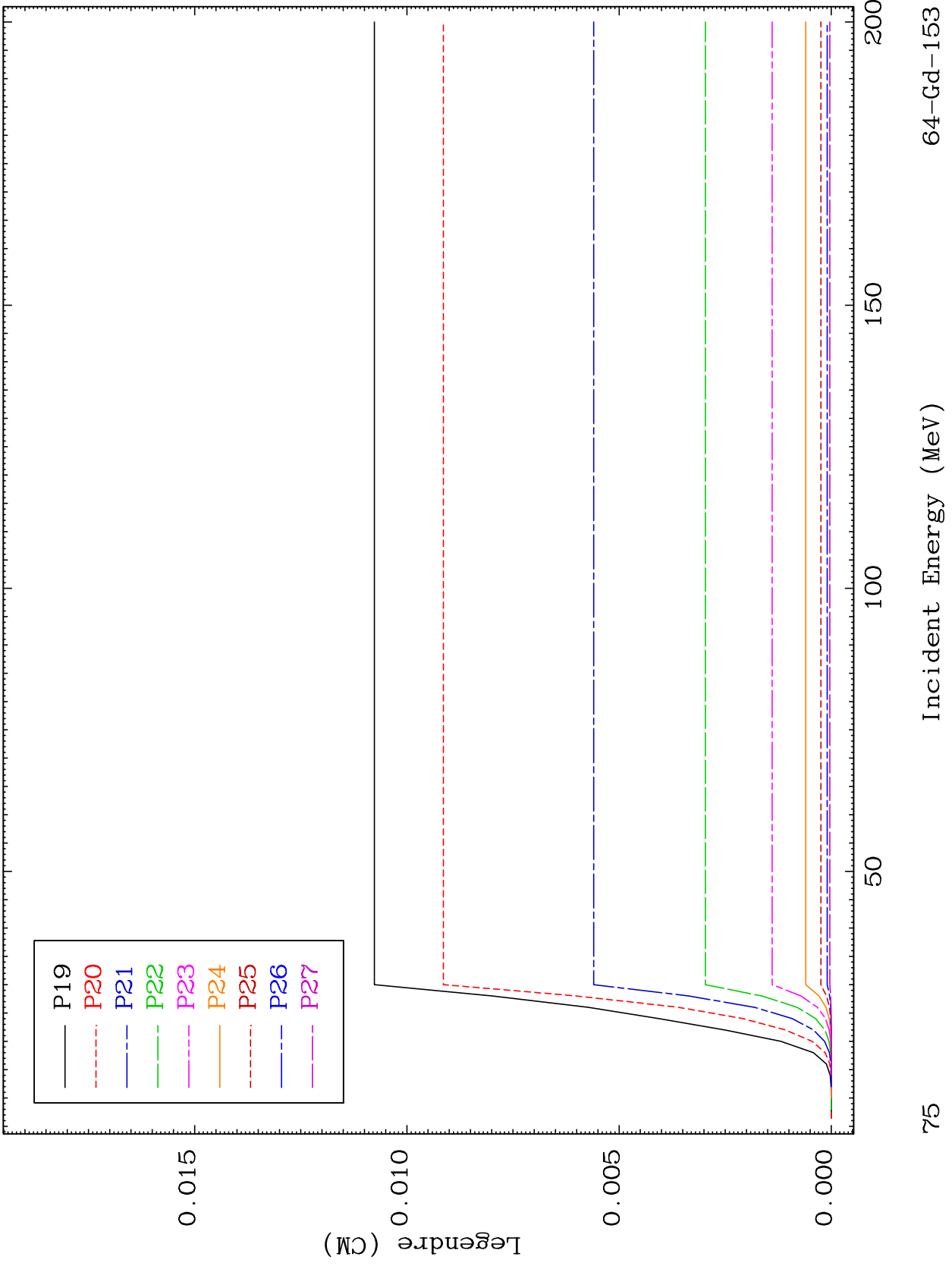
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



75

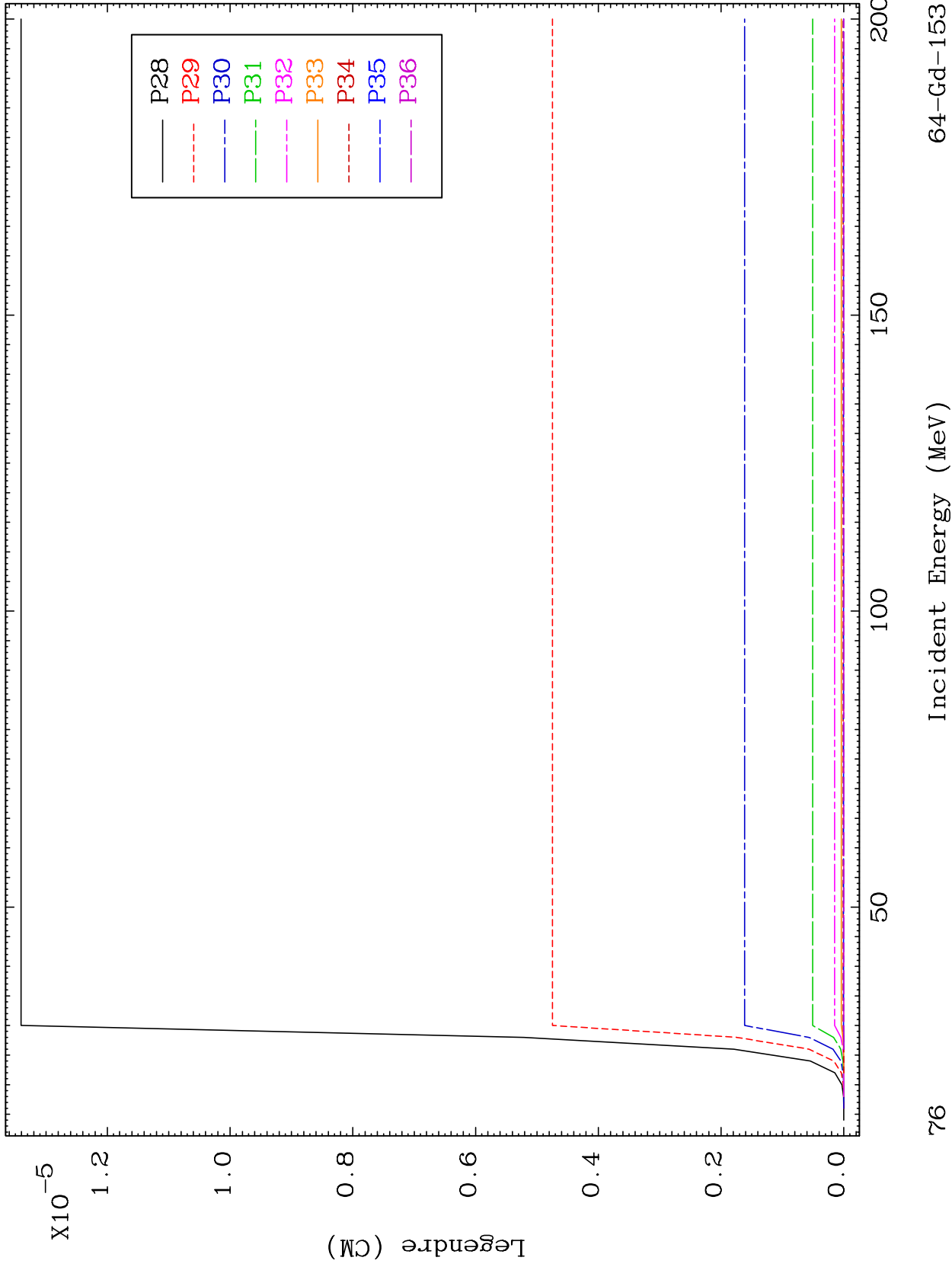
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

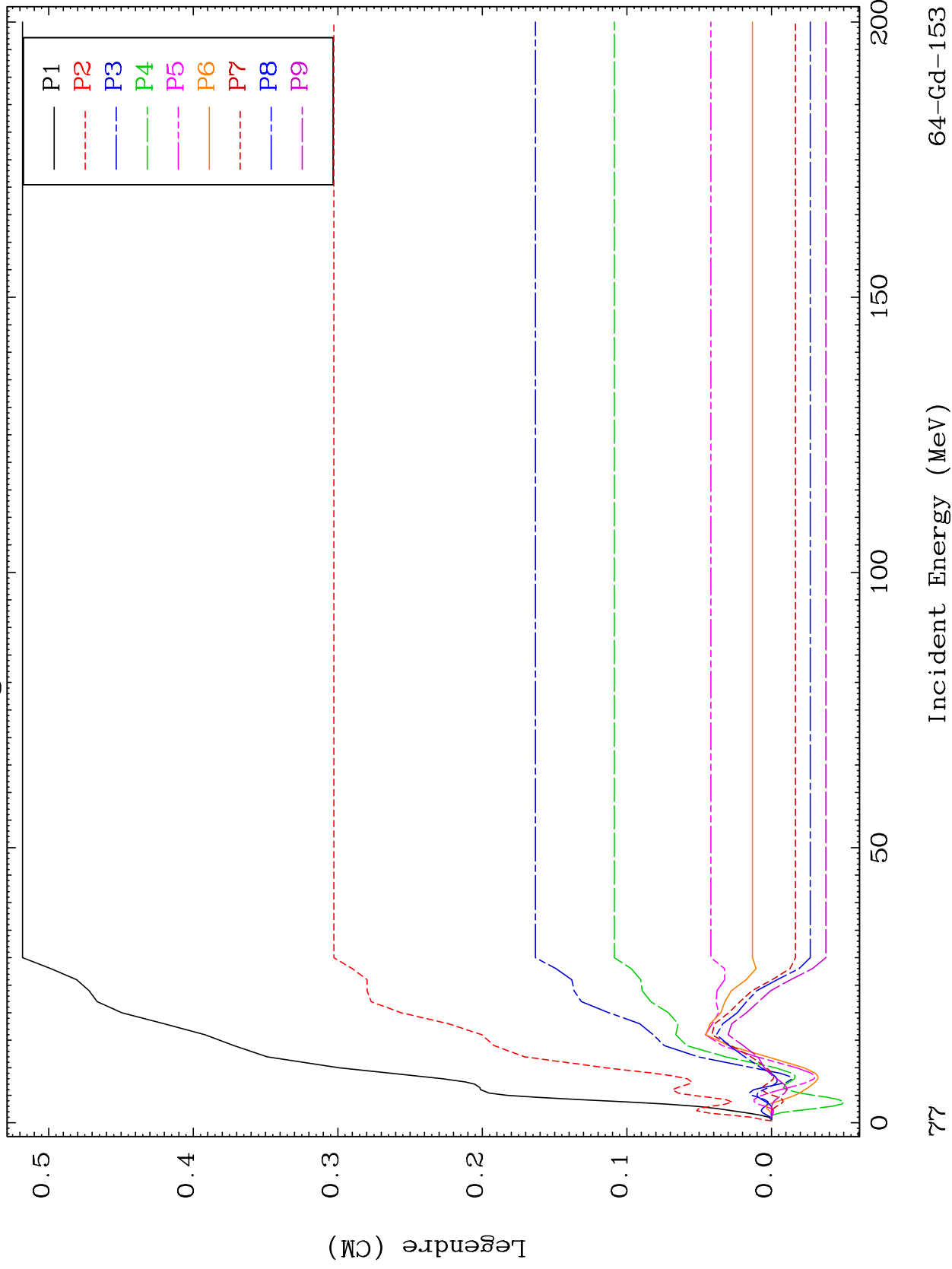
64-Gd-153



MAT 6428

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

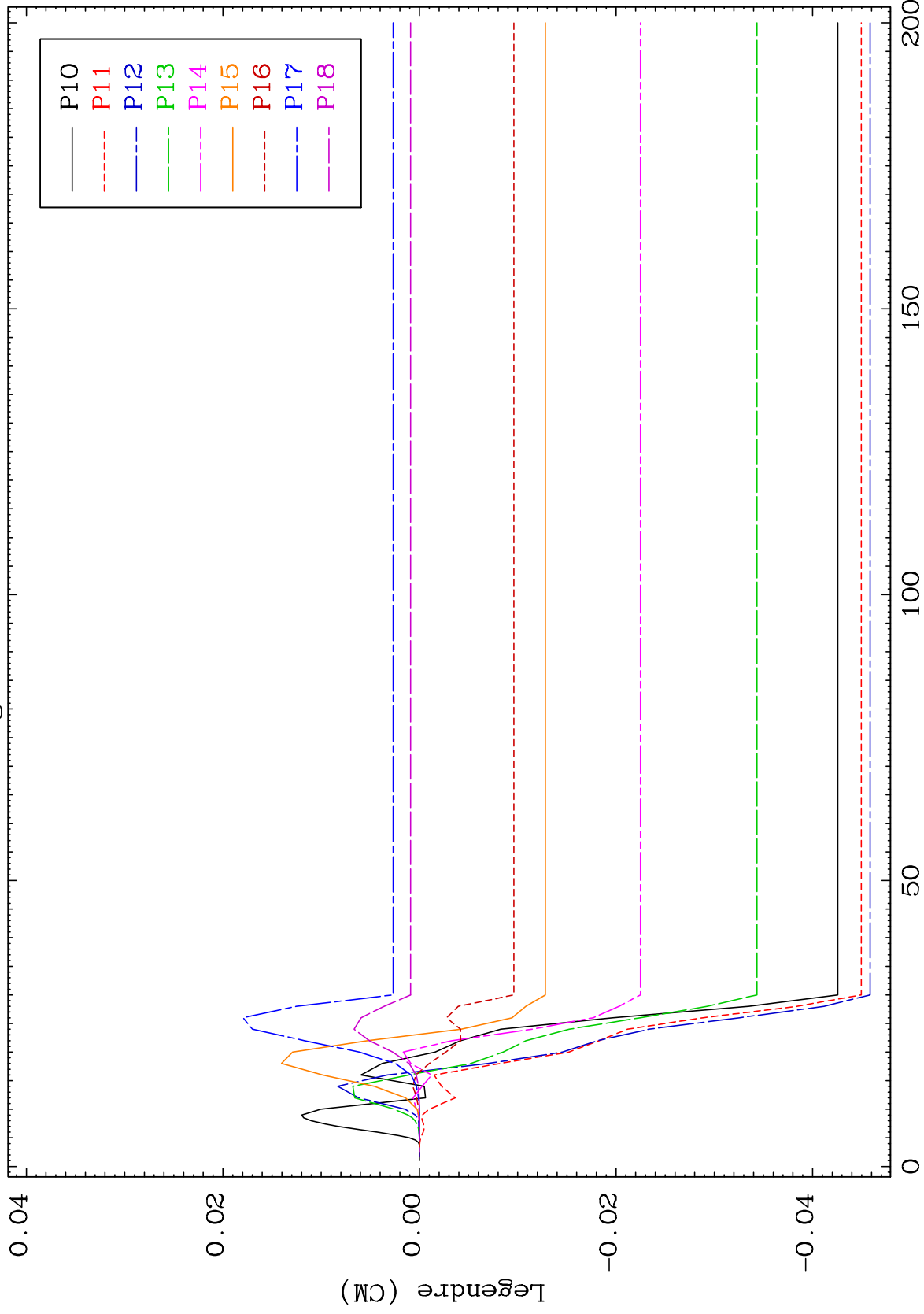
64-Gd-153



MAT 6428

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

64-Gd-153



78

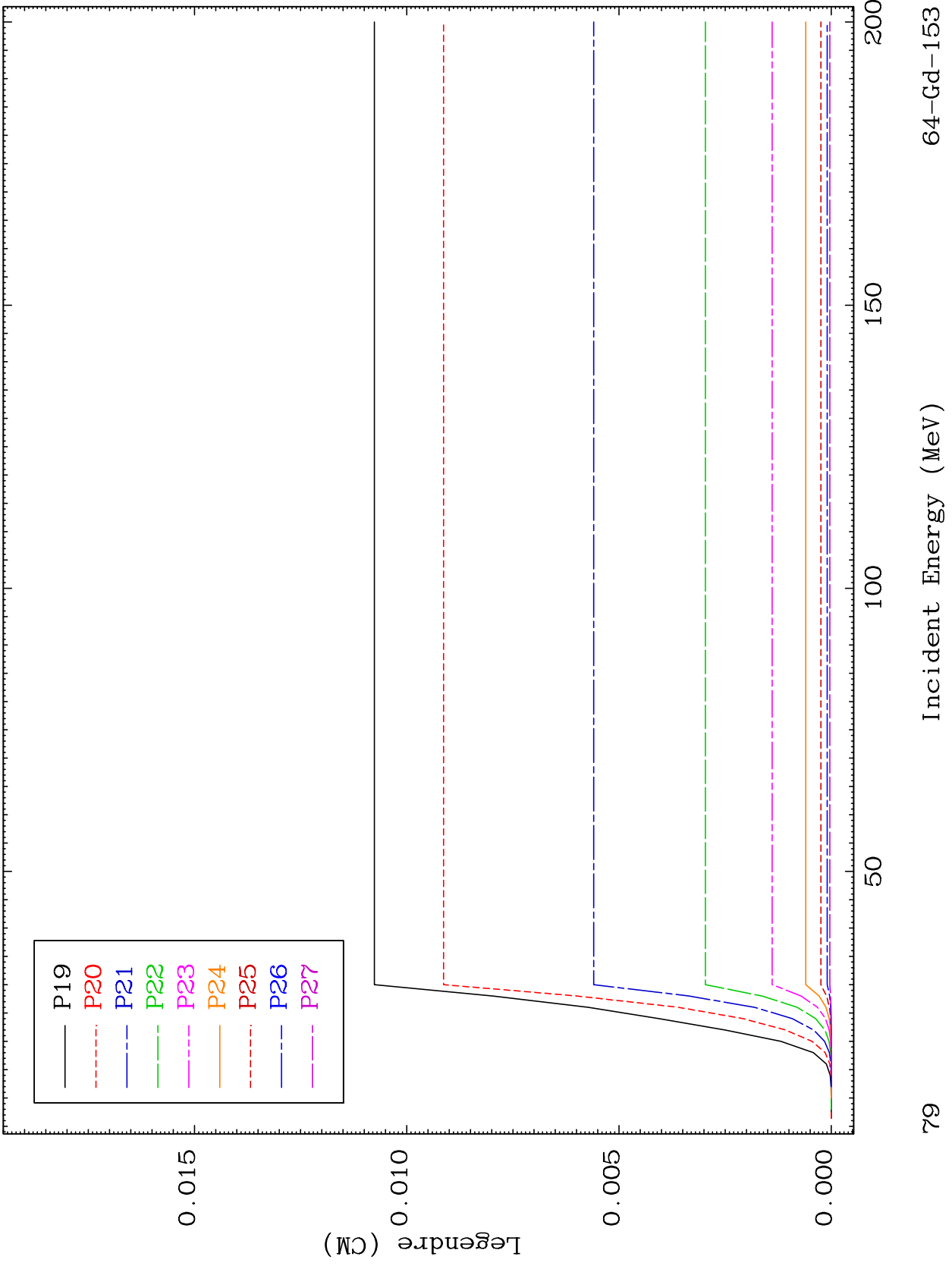
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



79

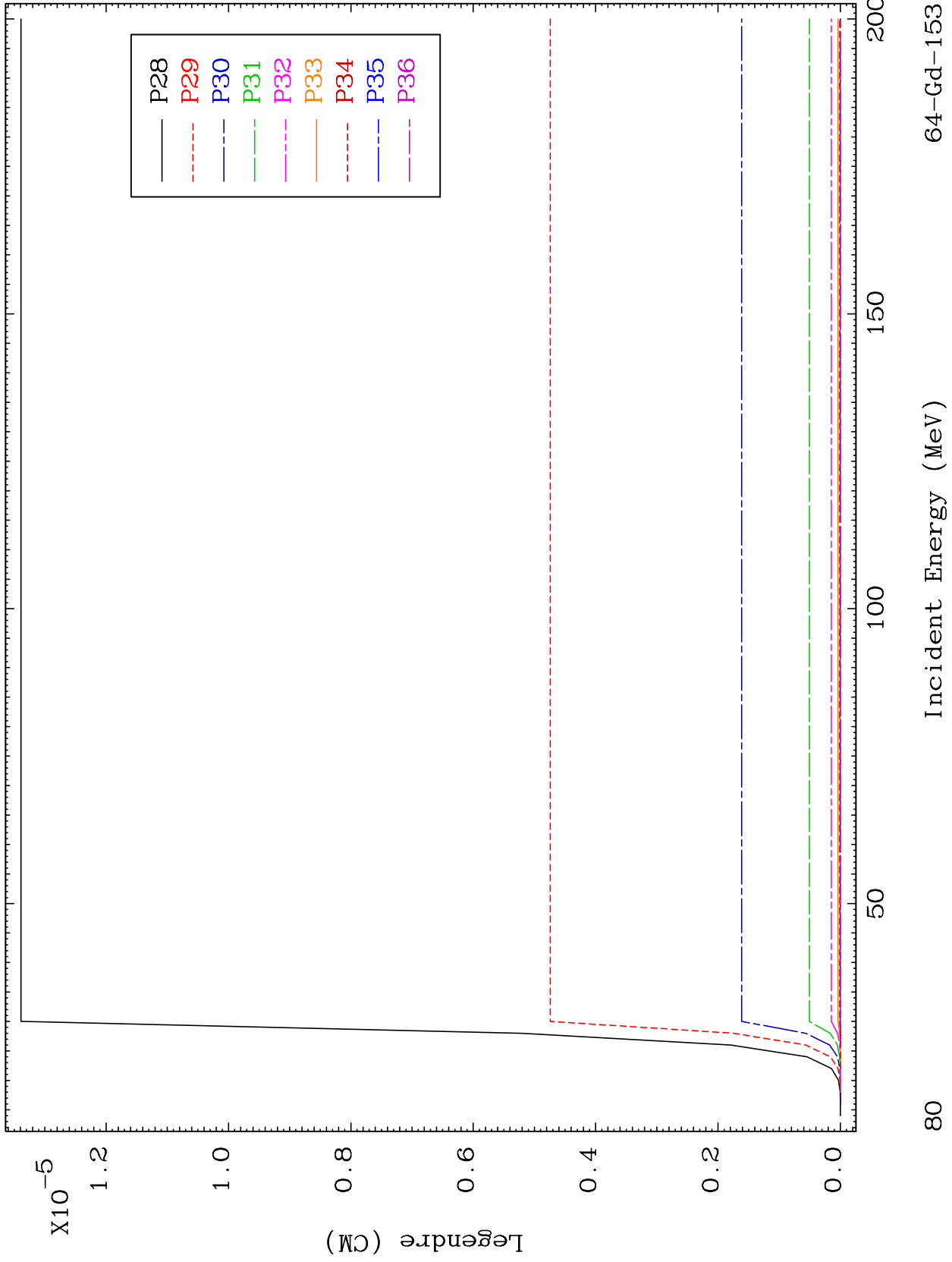
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153

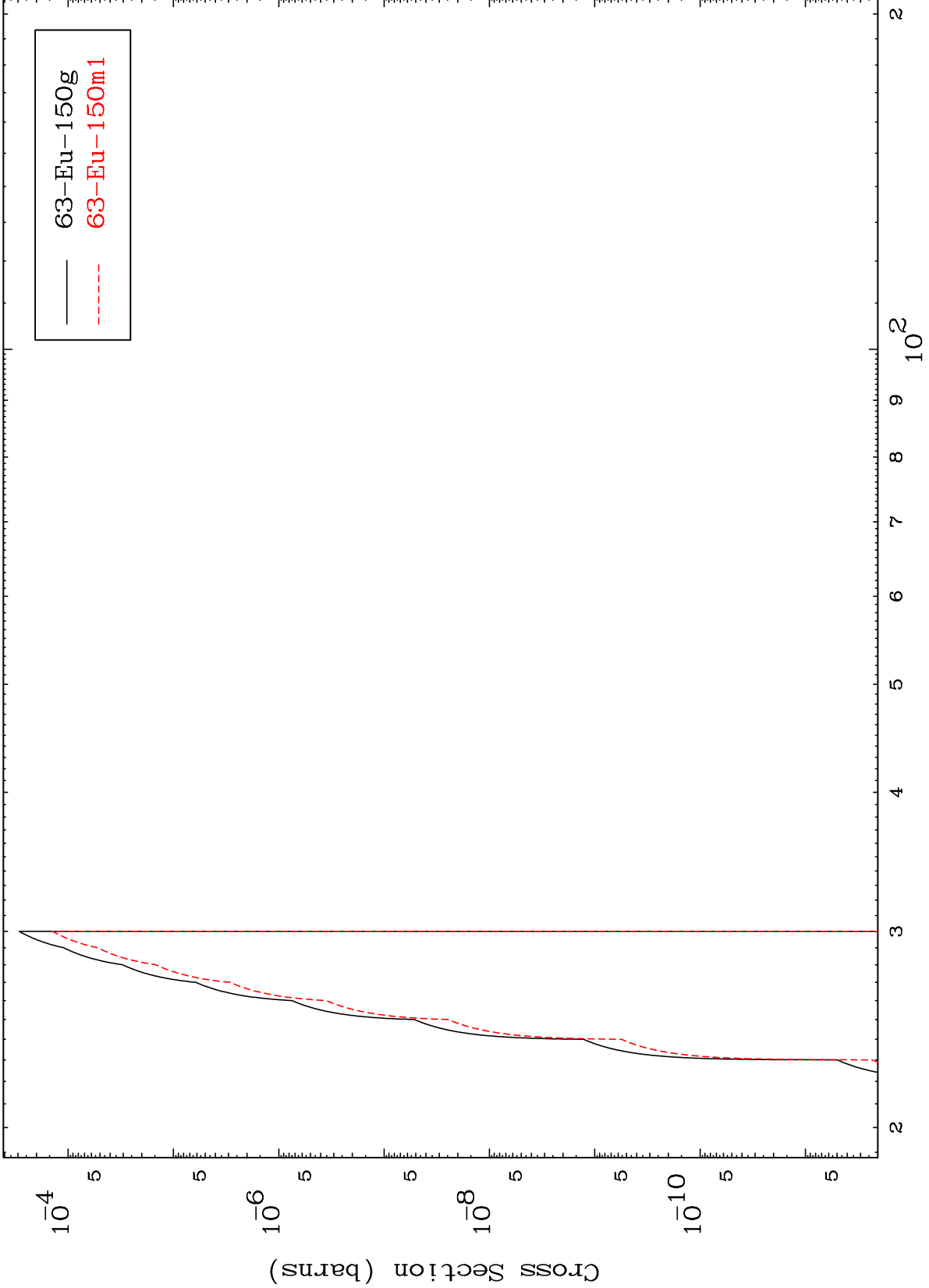


MAT 6428

(n,2n) d

64-Gd-153

Radionuclide Production Cross Section



81

Incident Energy (MeV)

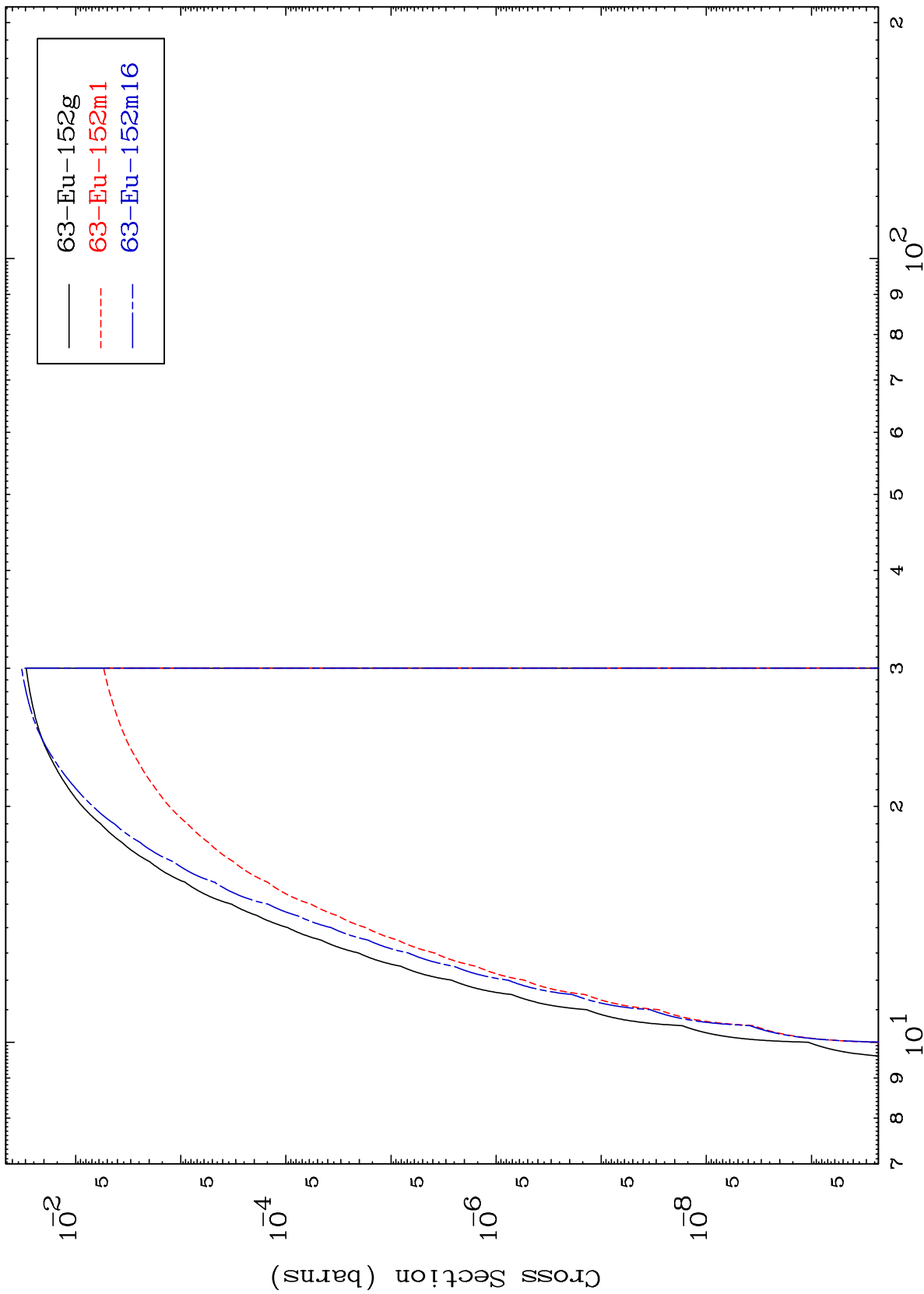
64-Gd-153

MAT 6428

(n,n') p

64-Gd-153

Radionuclide Production Cross Section

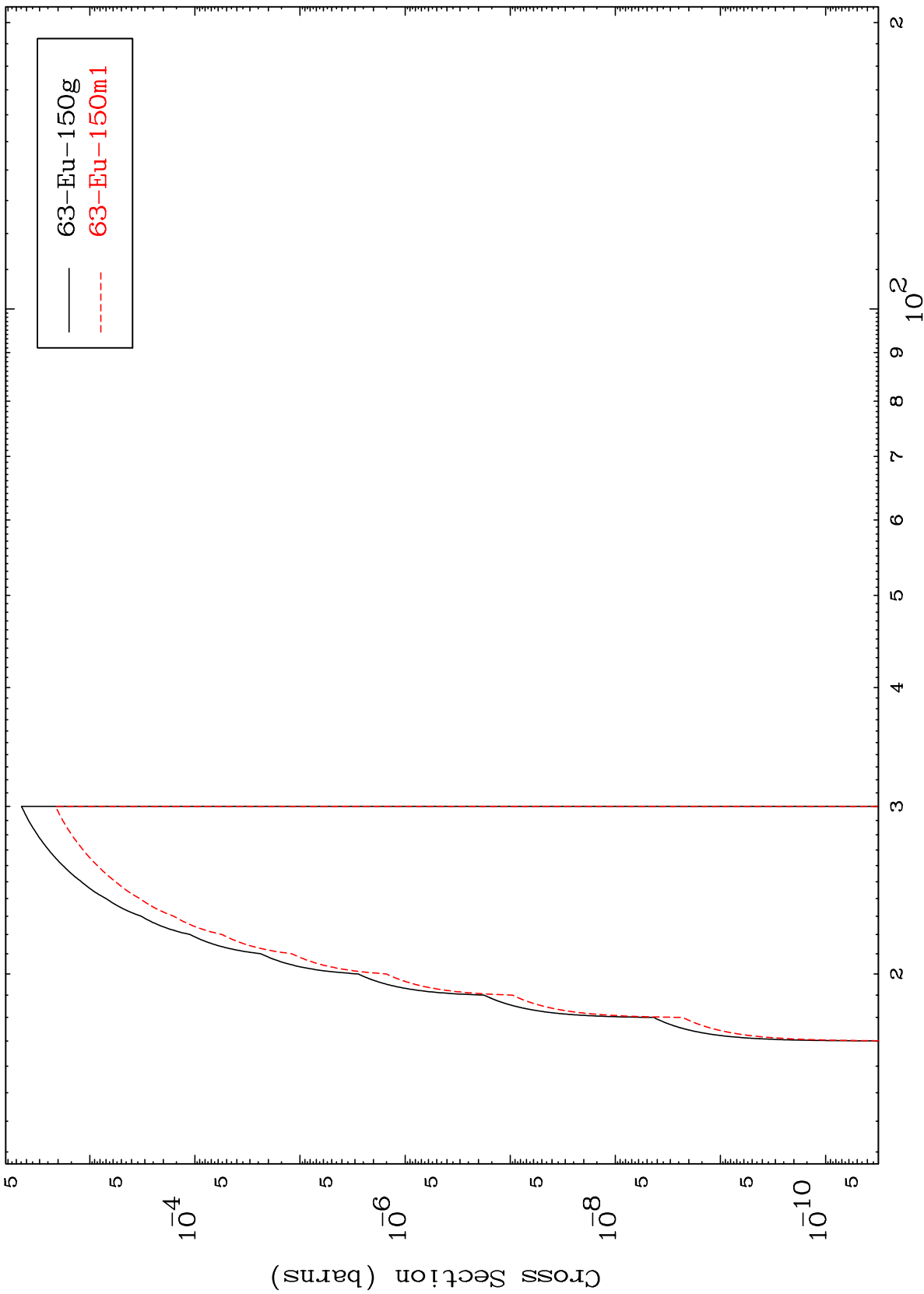


82

Incident Energy (MeV)

64-Gd-153

Radionuclide Production Cross Section

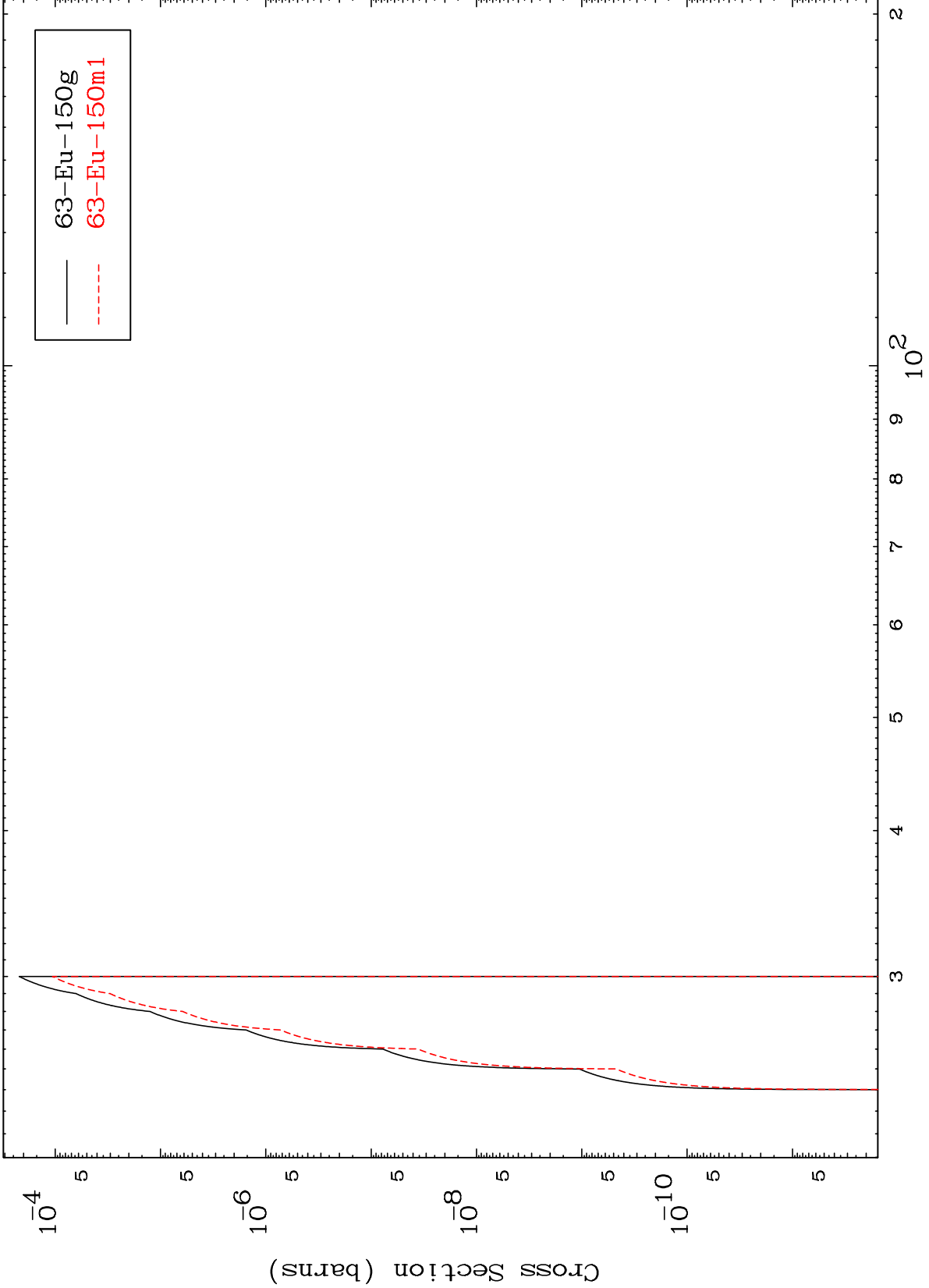


MAT 6428

(n,3n) p

64-Gd-153

Radionuclide Production Cross Section



63-Eu-150g
63-Eu-150m1

84

Incident Energy (MeV)

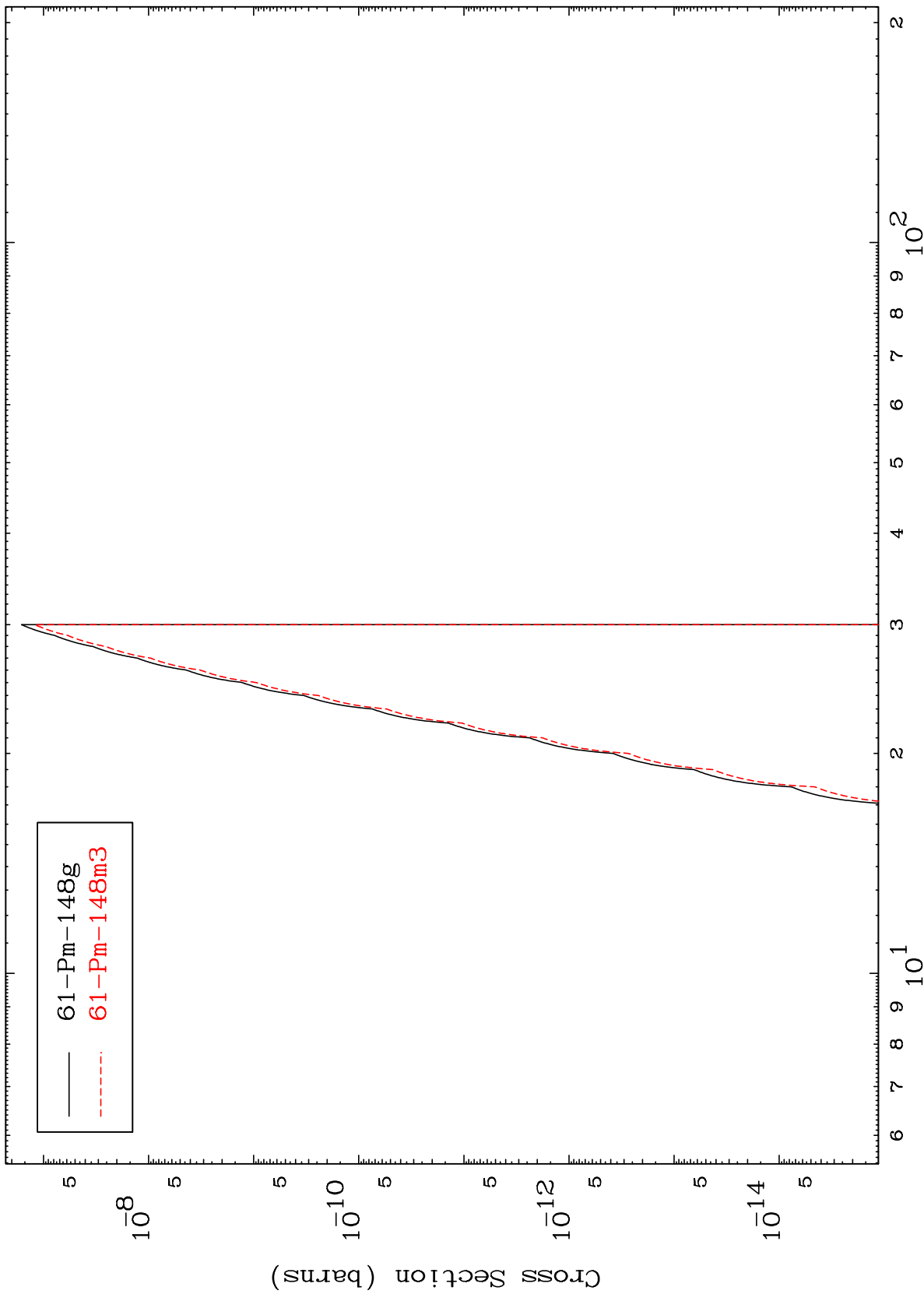
64-Gd-153

MAT 6428

(n,n') p α

64-Gd-153

Radionuclide Production Cross Section



61-Pm-148g
61-Pm-148m3

85

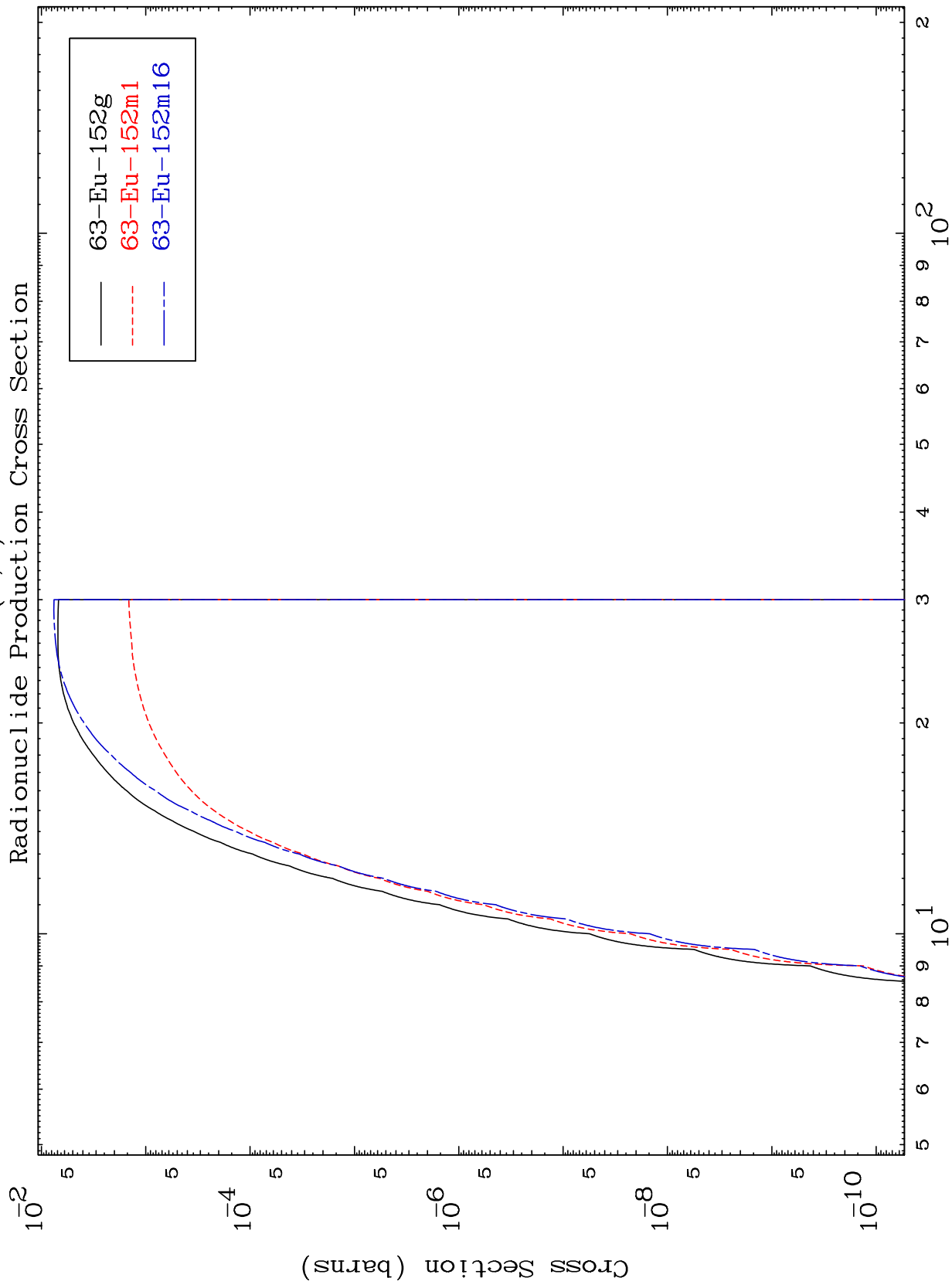
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,d)

64-Gd-153



86

Incident Energy (MeV)

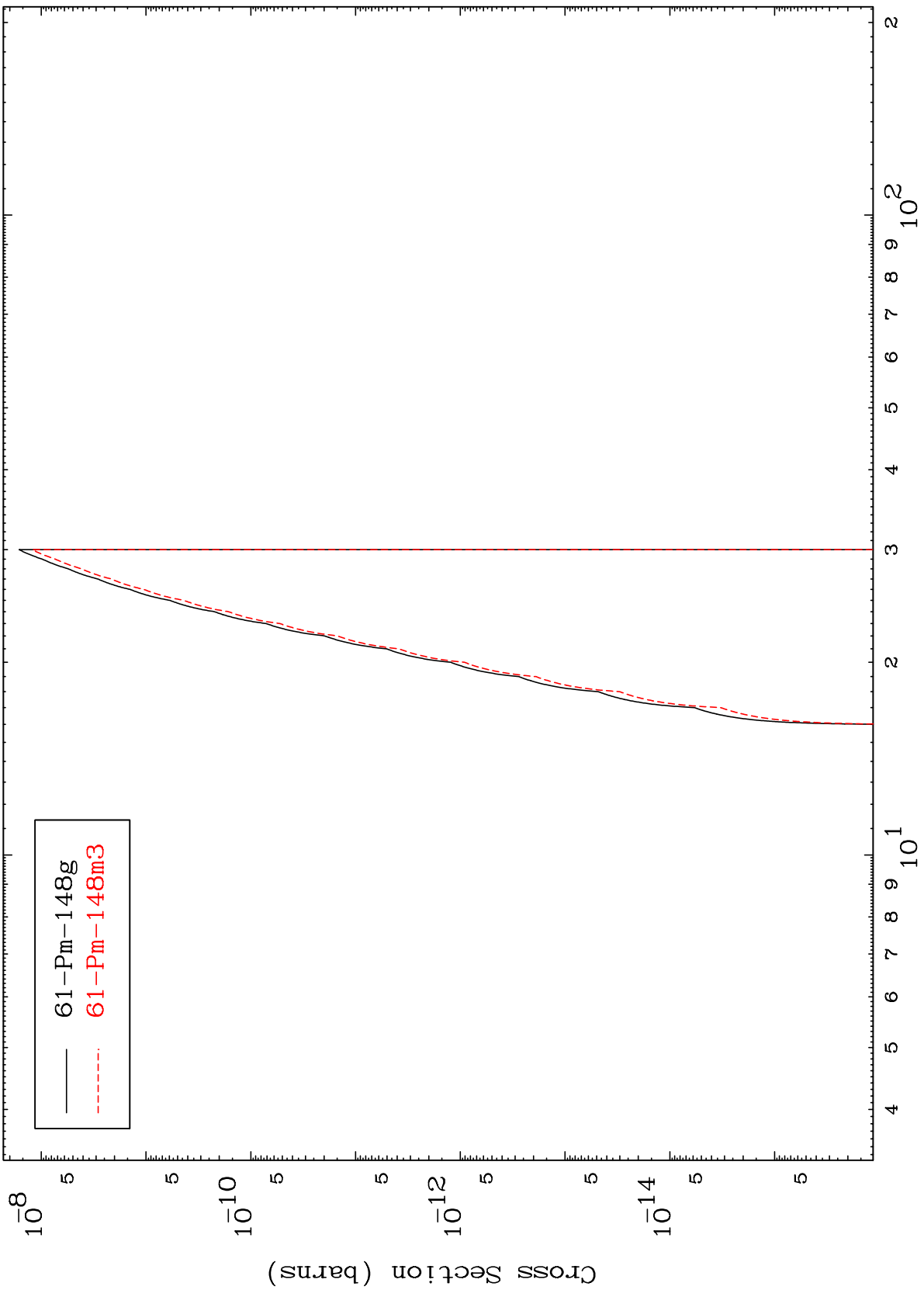
64-Gd-153

MAT 6428

(n,d) α

64-Gd-153

Radionuclide Production Cross Section



87

Incident Energy (MeV)

64-Gd-153