

Program EVALPLOT
(Version 2021-1)

by

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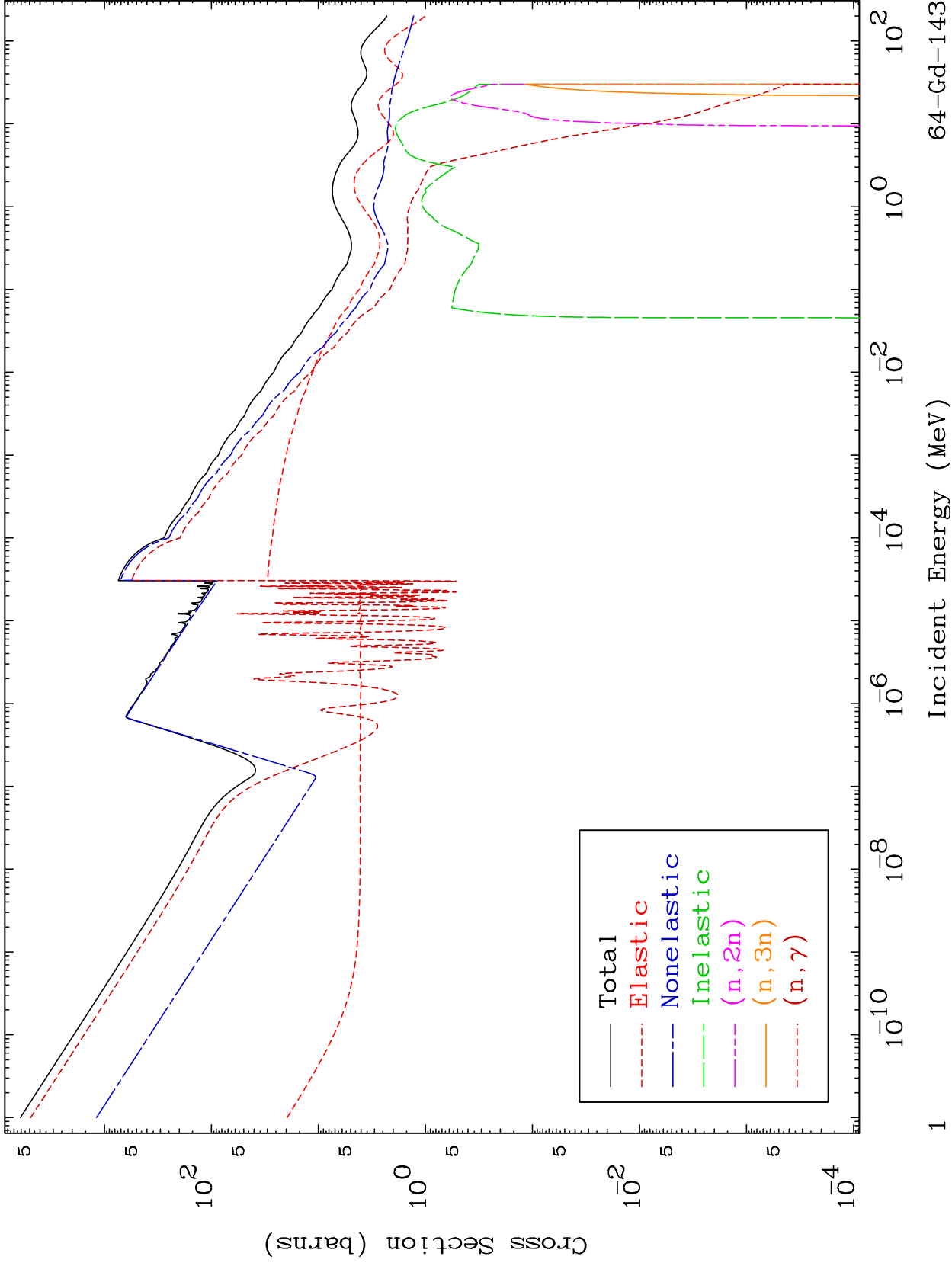
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Press Mouse Button to Start

MAT 6398

Neutron Major
293 Kelvin Cross Sections

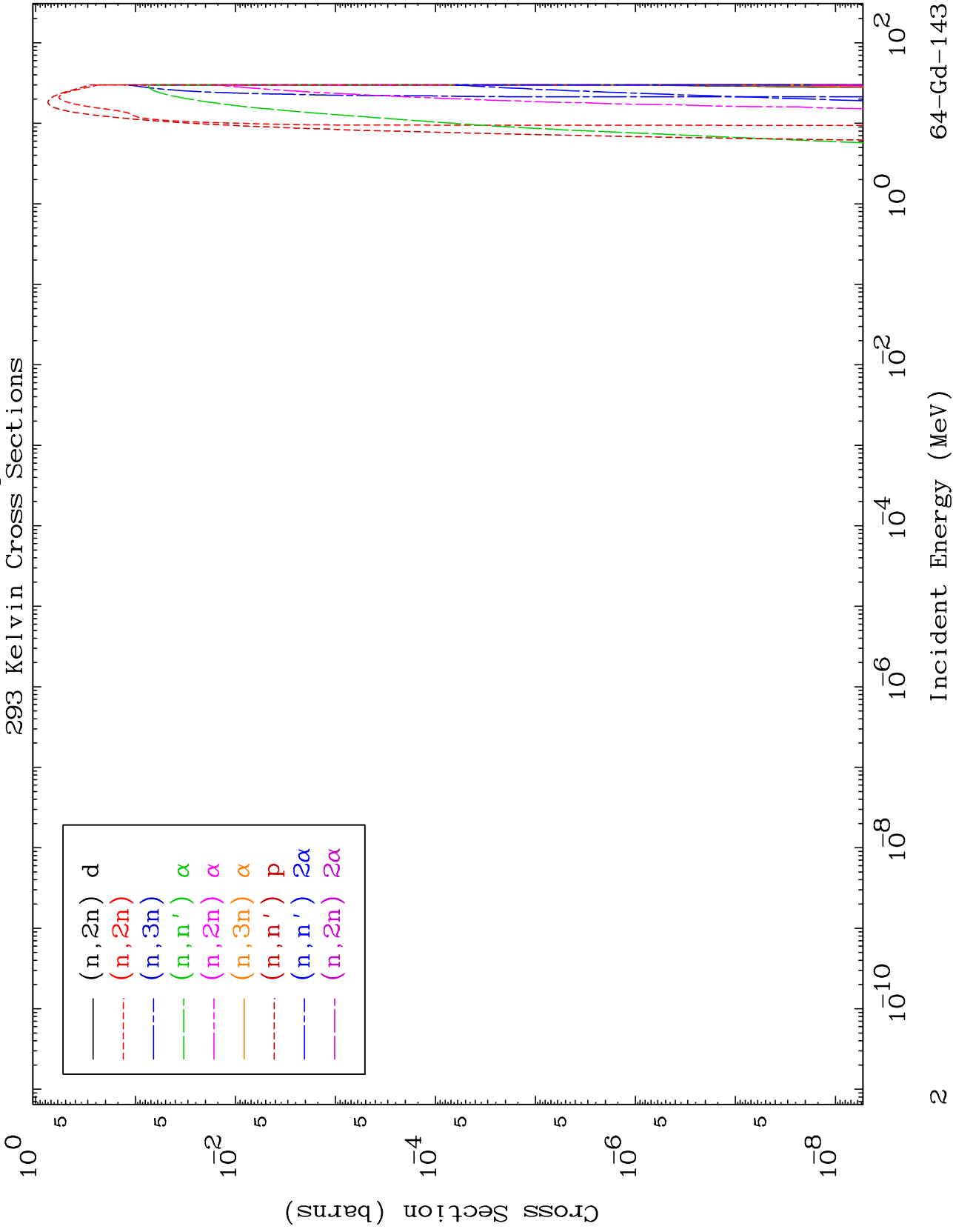
64-Gd-143



MAT 6398

Neutron Absorption
293 Kelvin Cross Sections

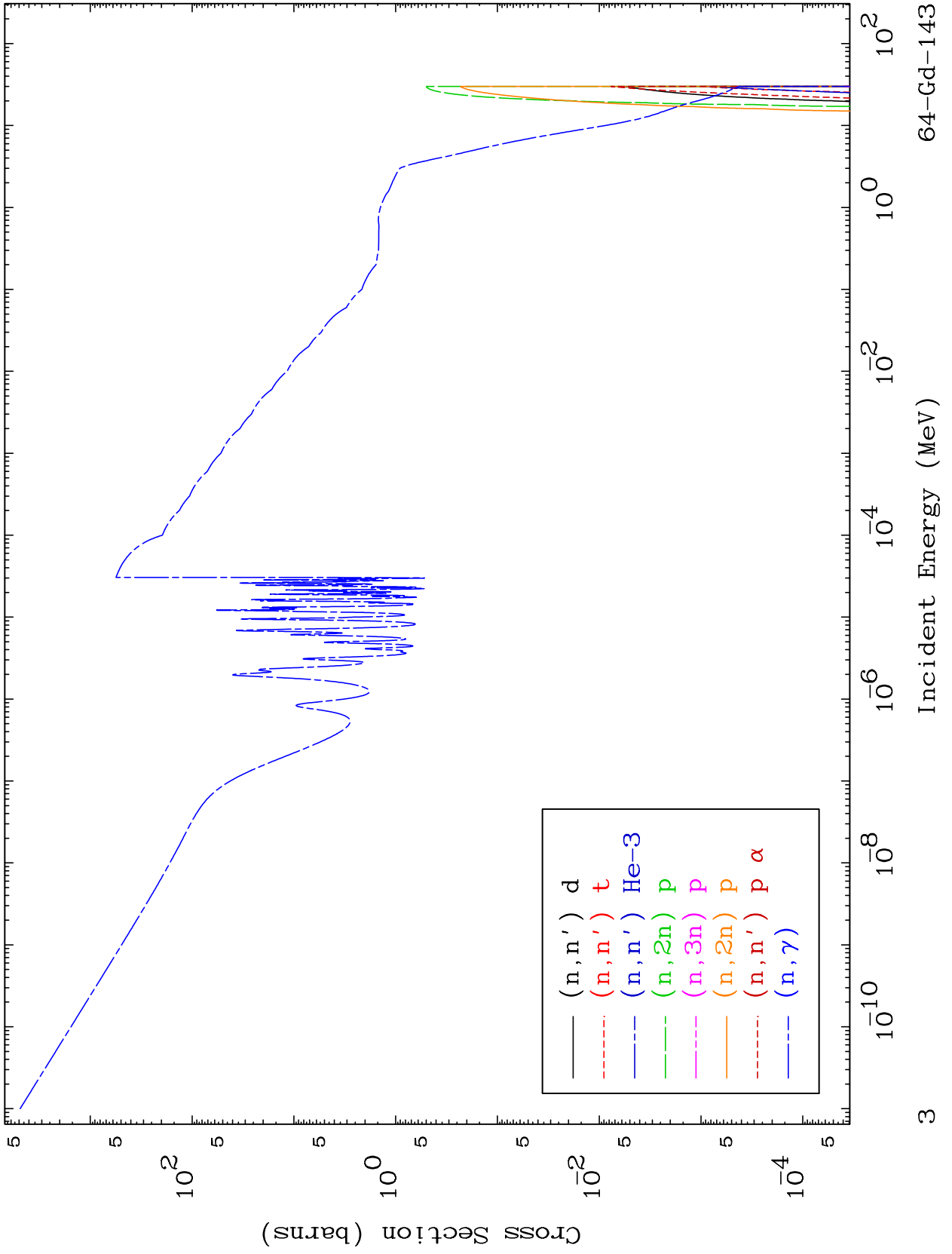
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MAT 6398

Neutron Absorption
293 Kelvin Cross Sections

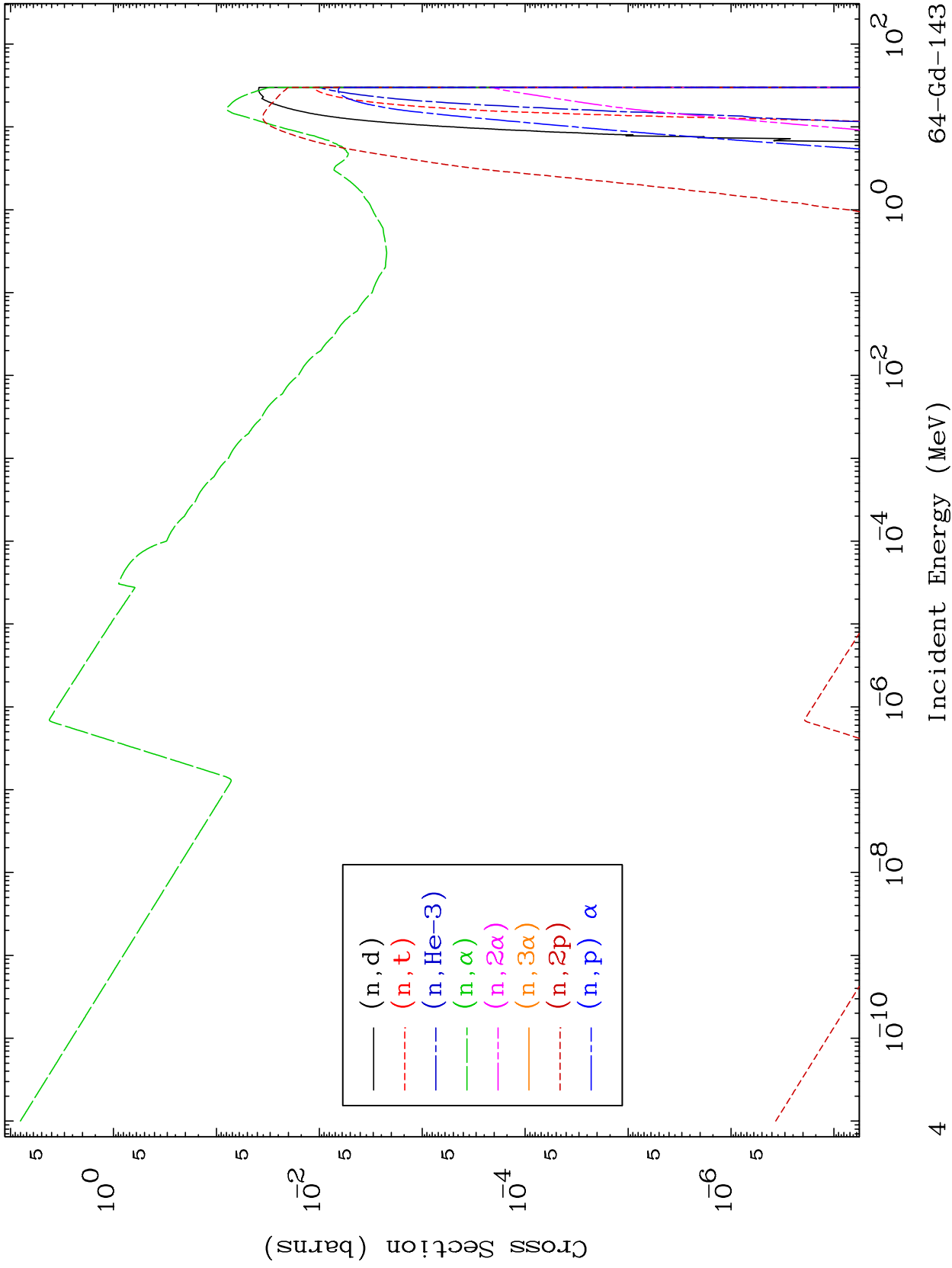
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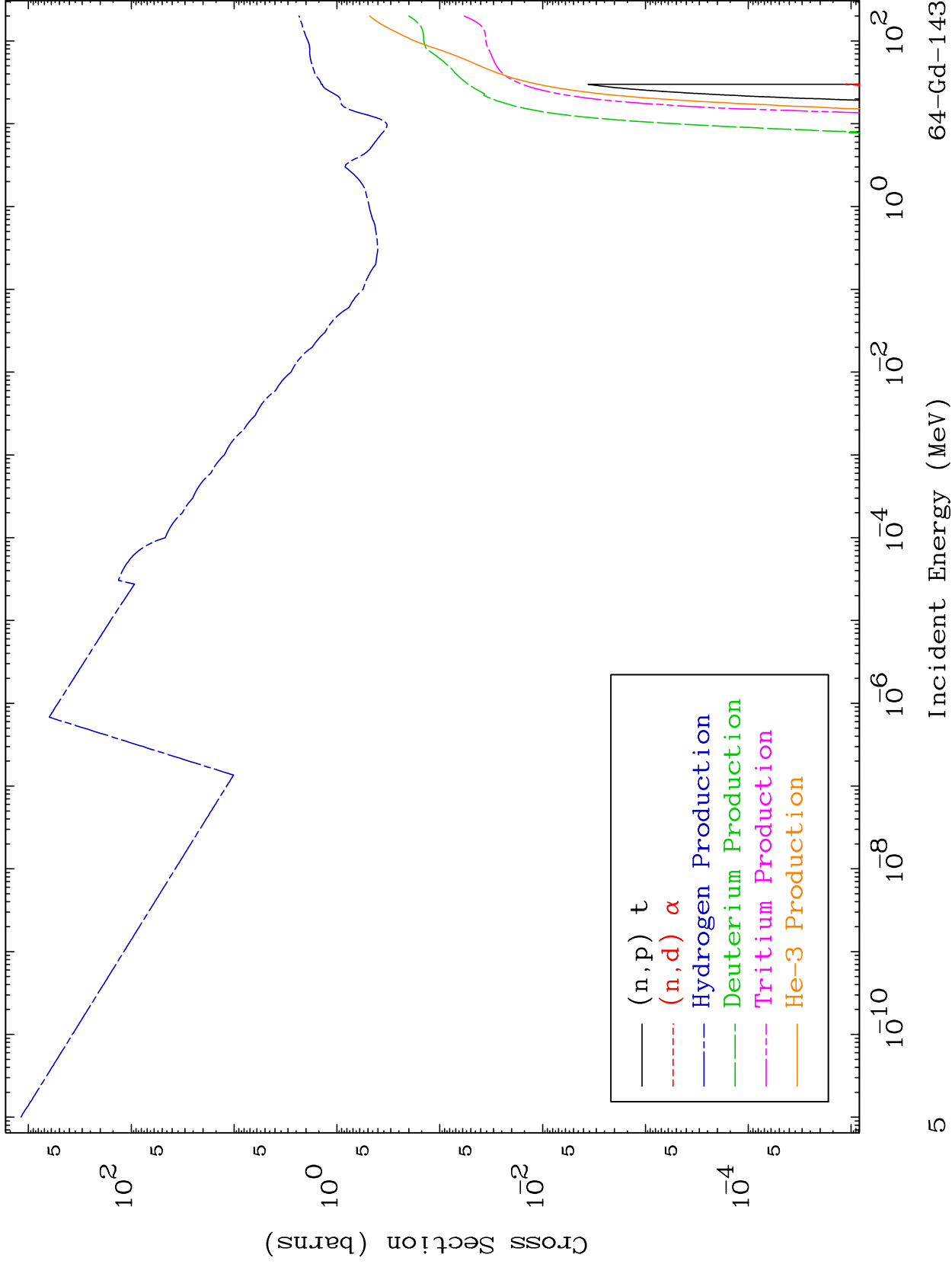


MAT 6398

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-143

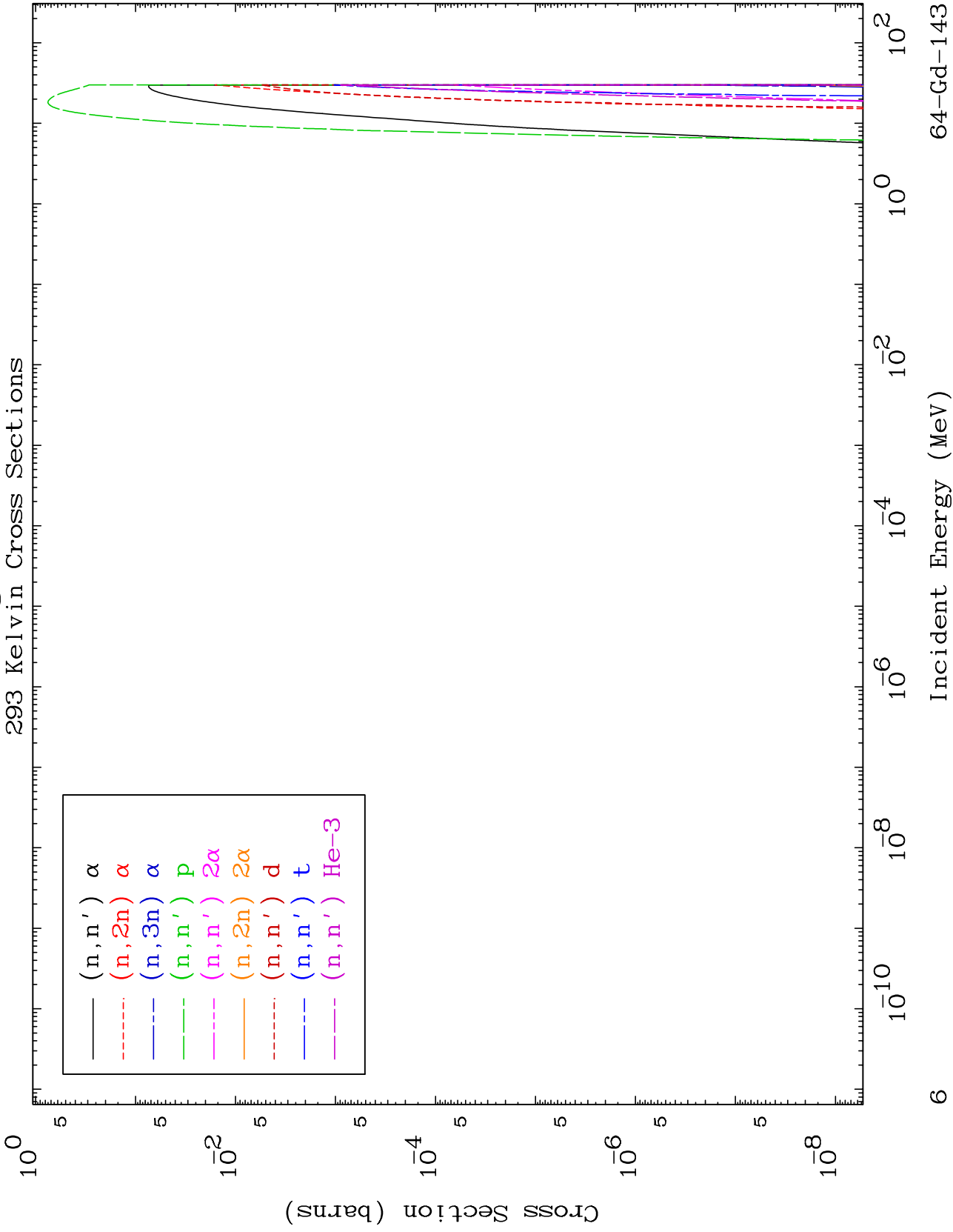




MAT 6398

Charged Particle
293 Kelvin Cross Sections

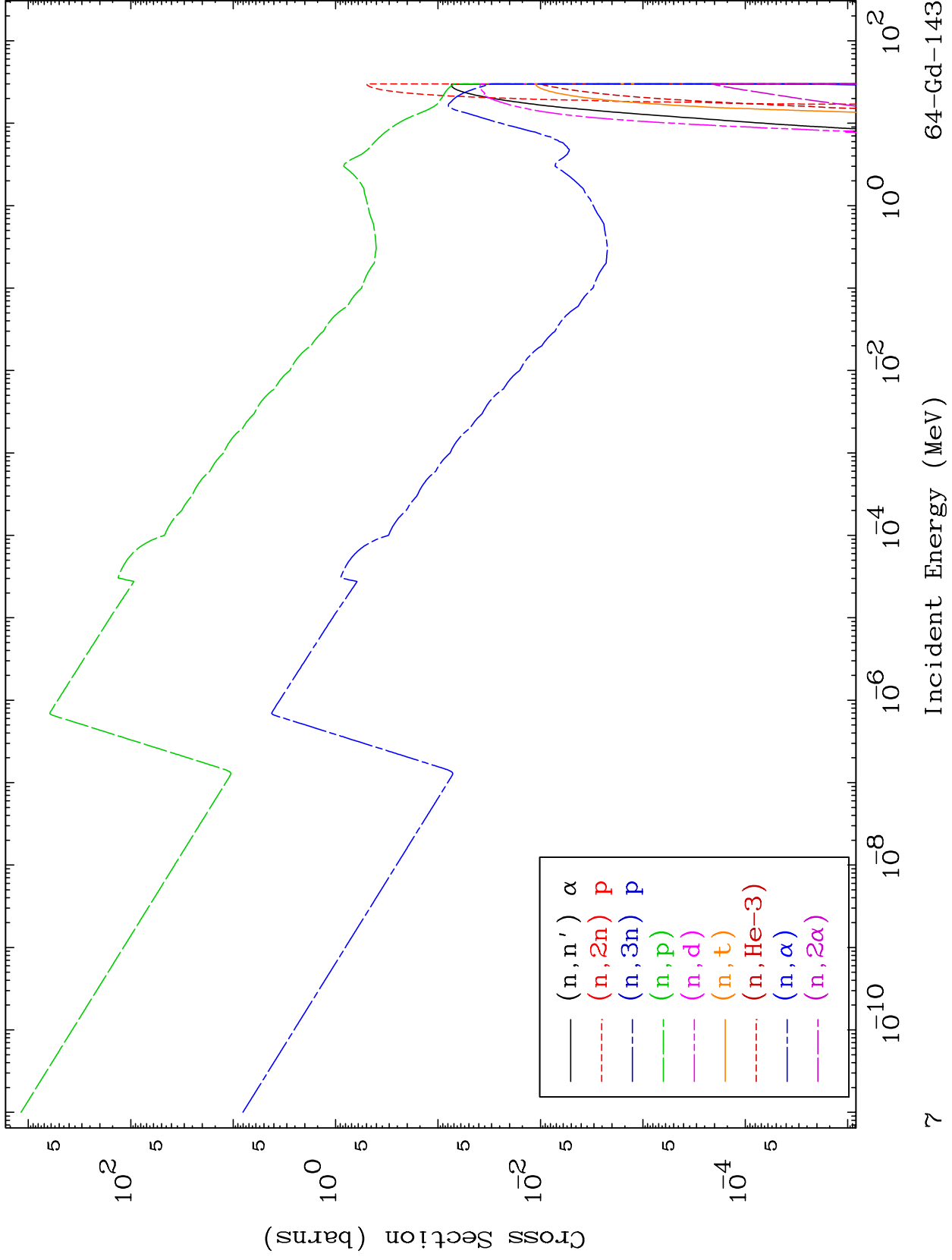
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MAT 6398

Charged Particle
293 Kelvin Cross Sections

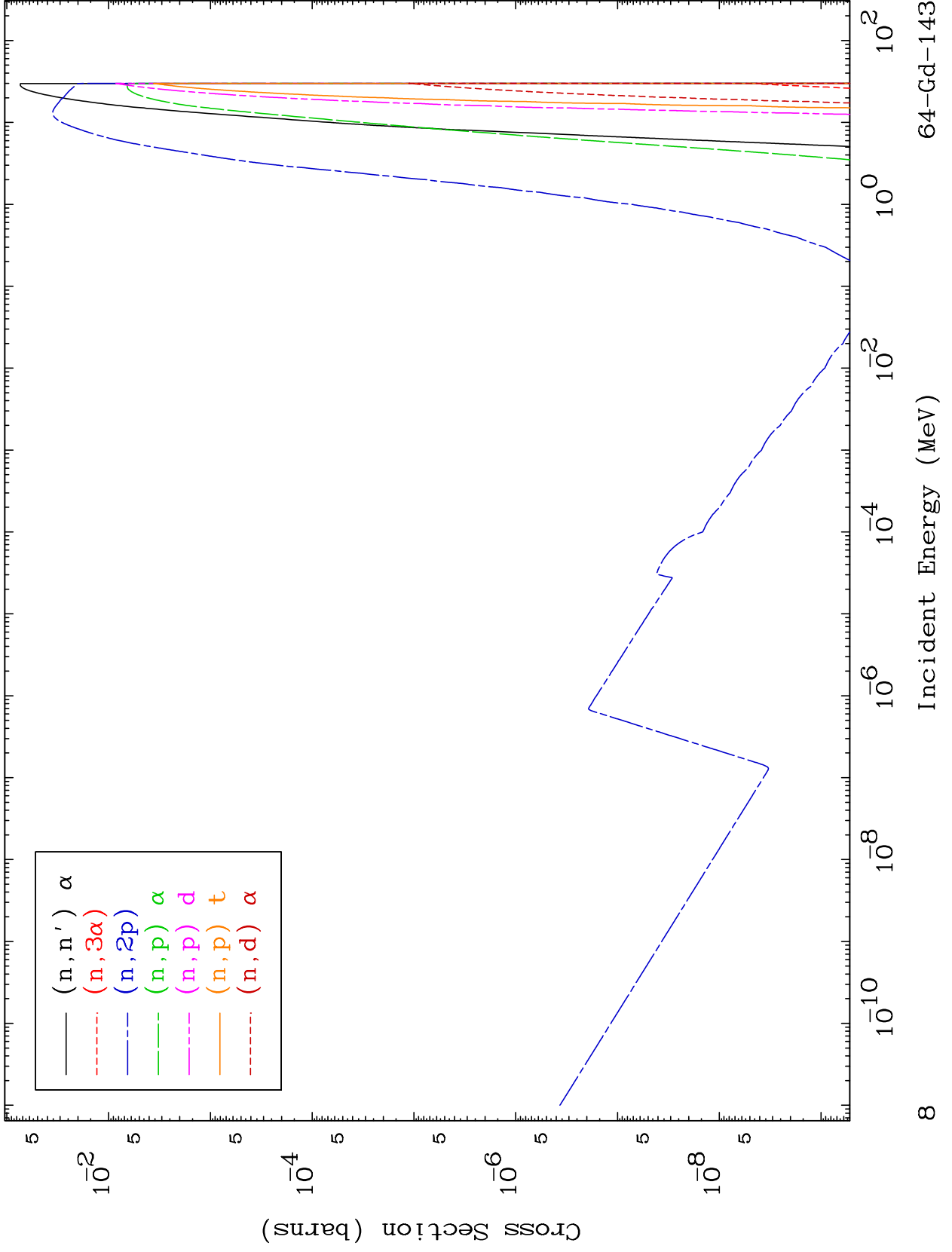
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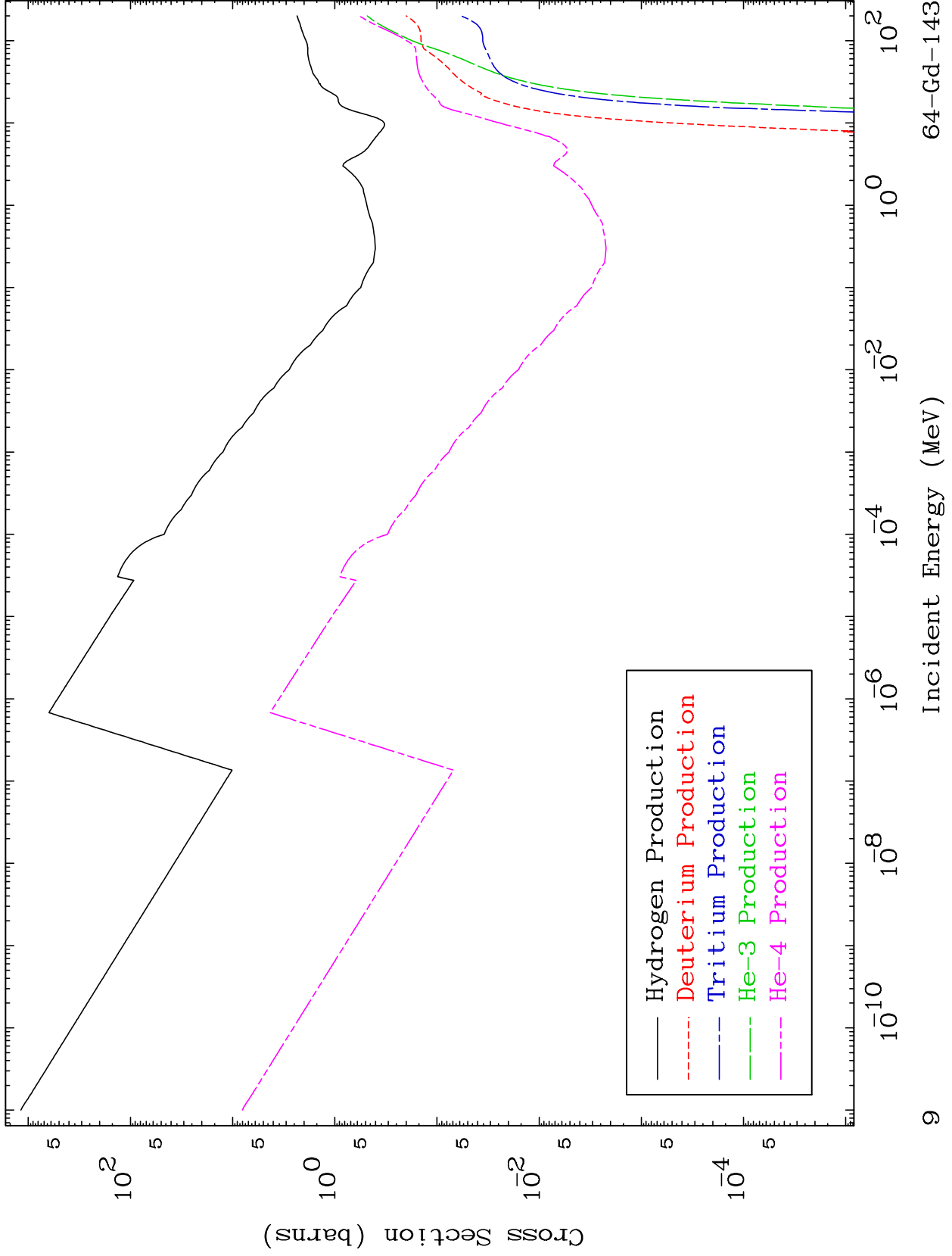


MAT 6398

Charged Particle
293 Kelvin Cross Sections

64-Gd-143

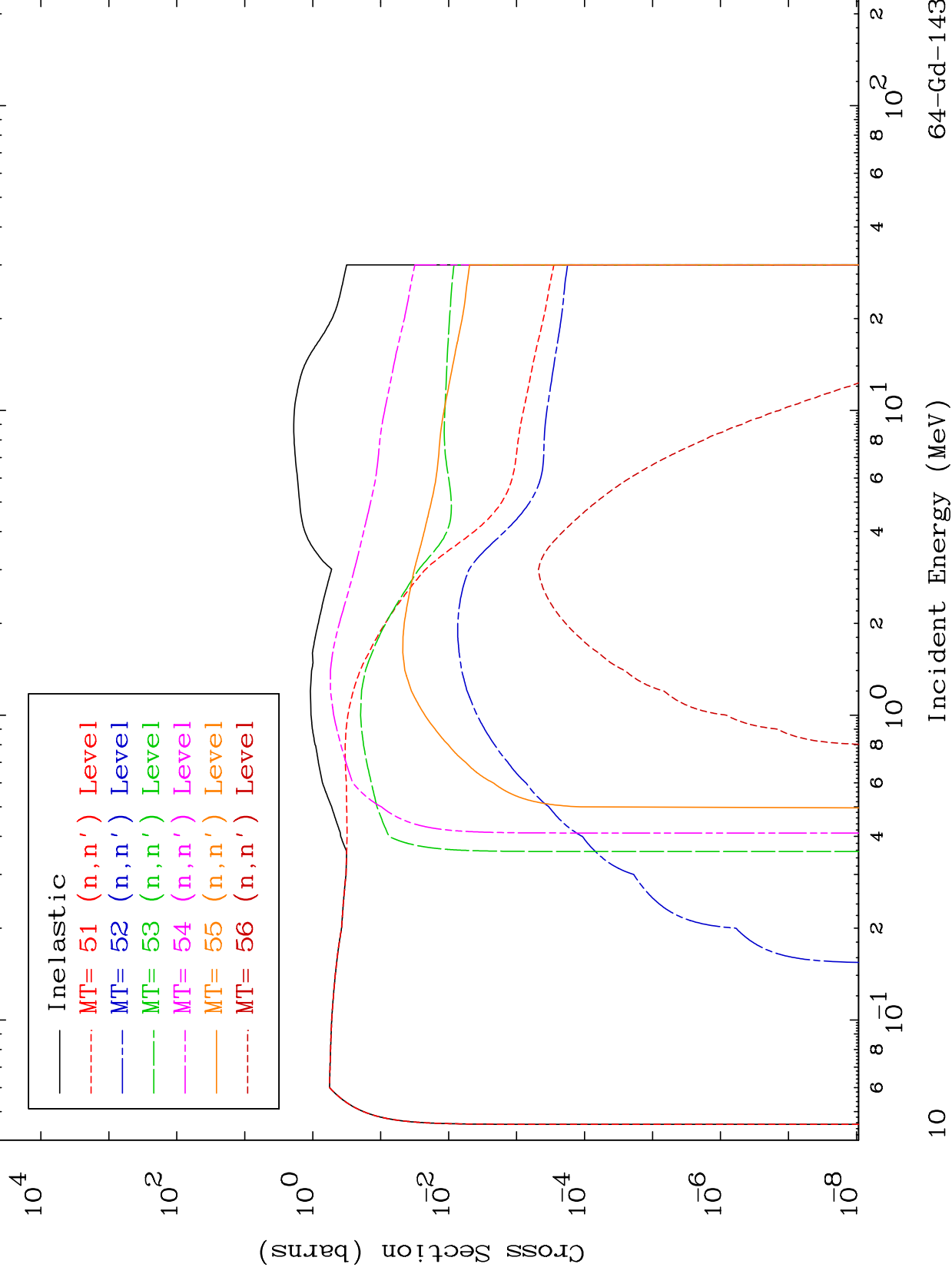




MAT 6398

293 (n,n') Levels

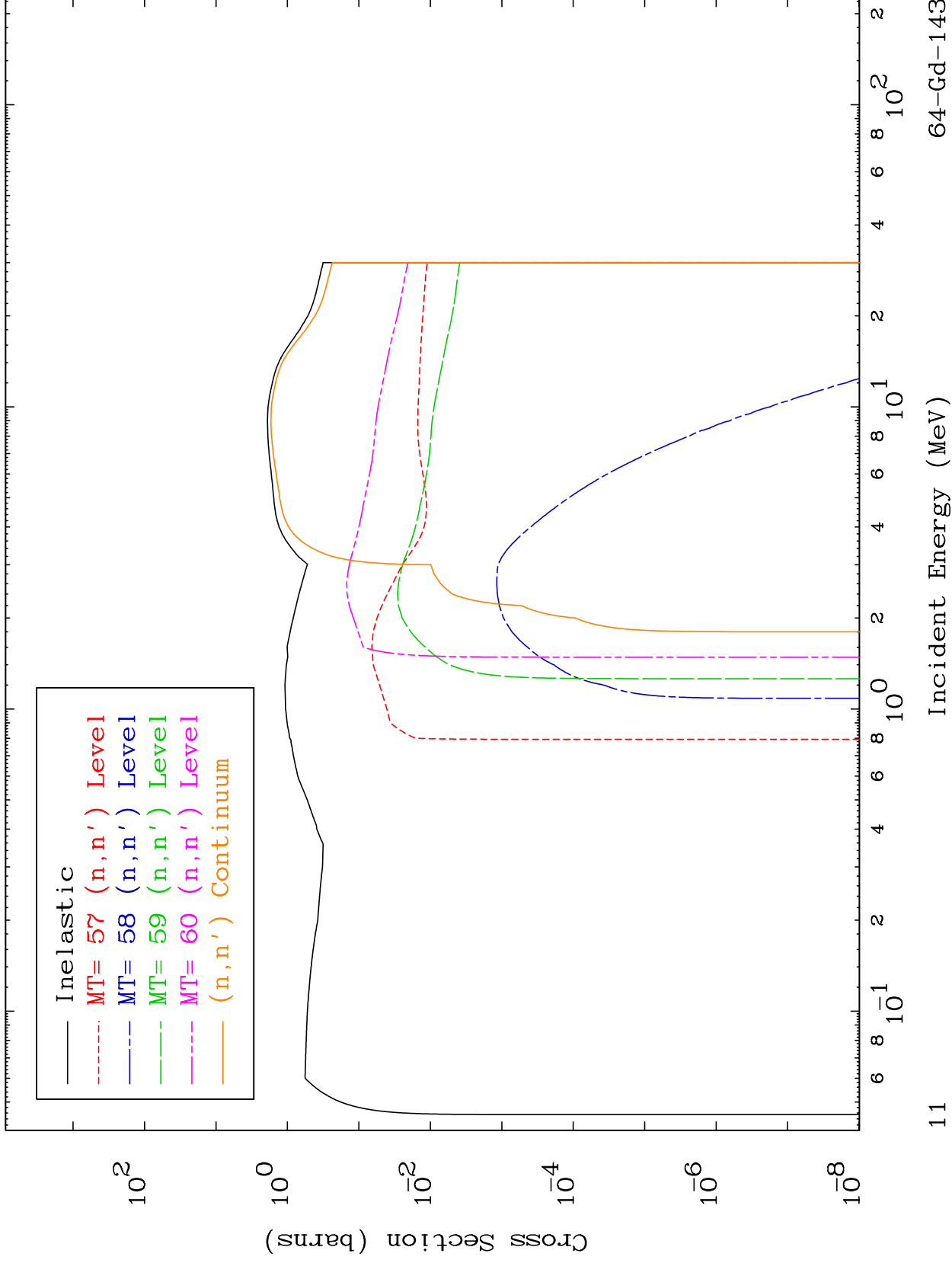
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10

Incident Energy (MeV)

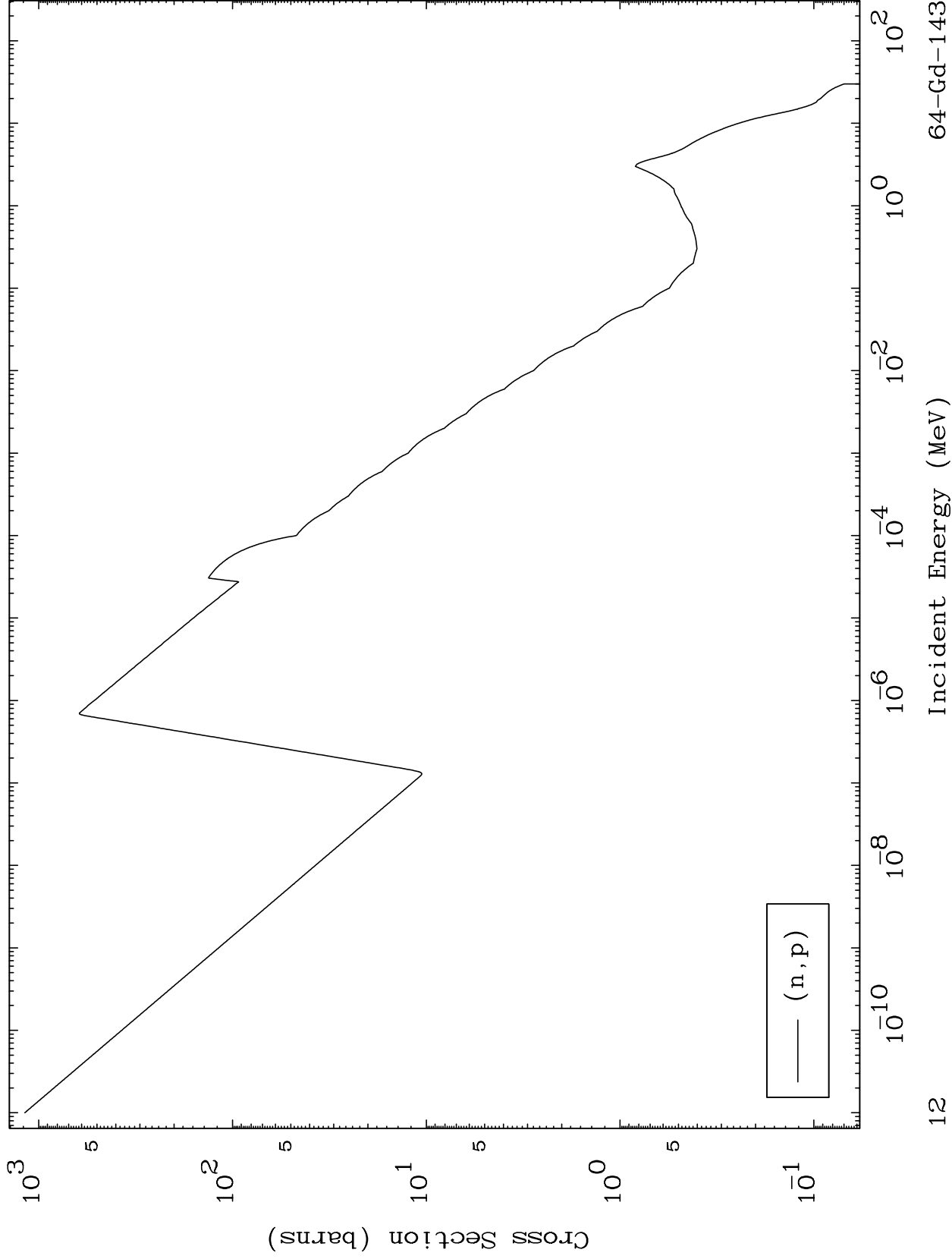
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MAT 6398

(n,p) Levels
293 Kelvin Cross Sections

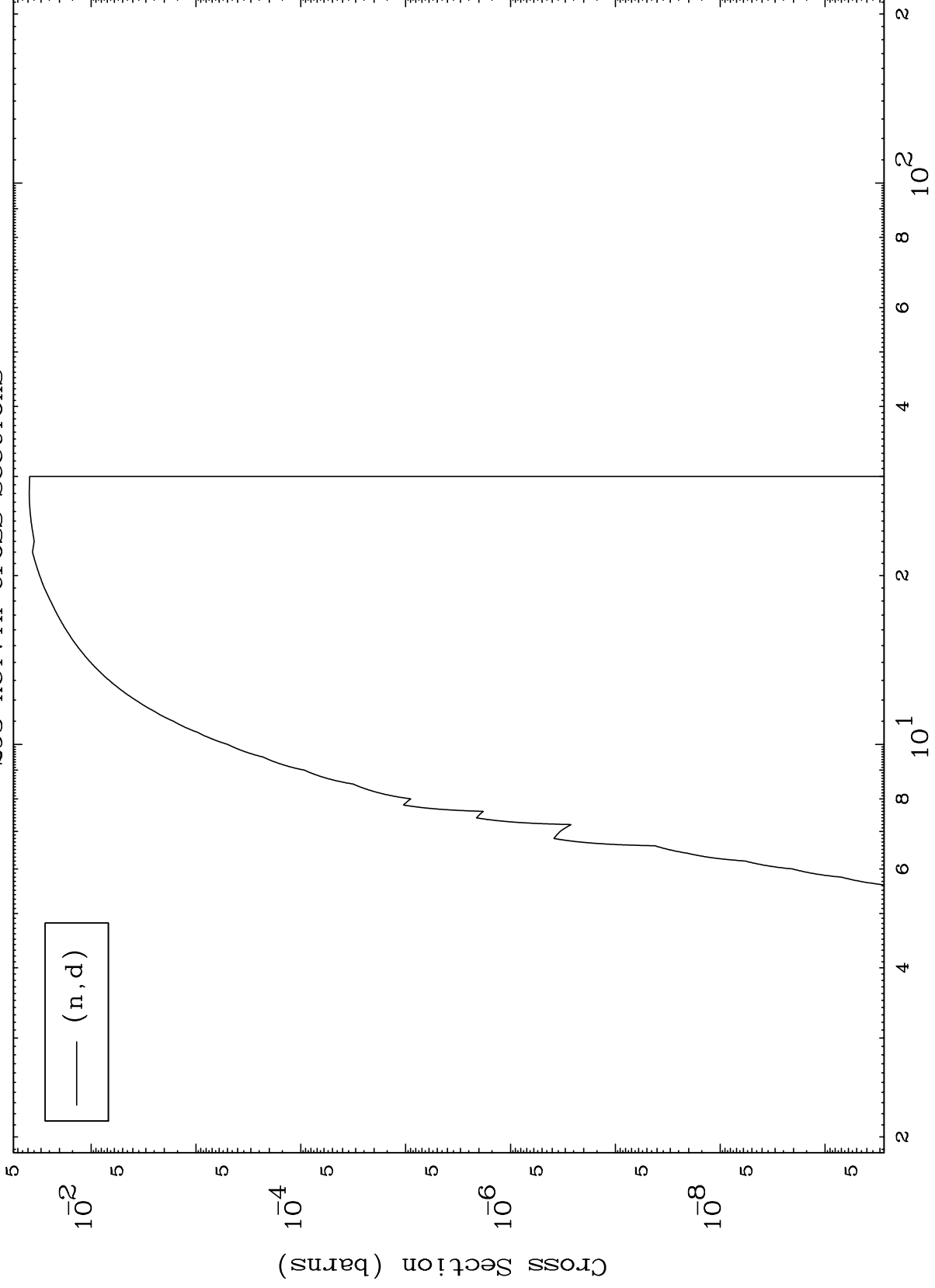
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MAT 6398

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-143



13

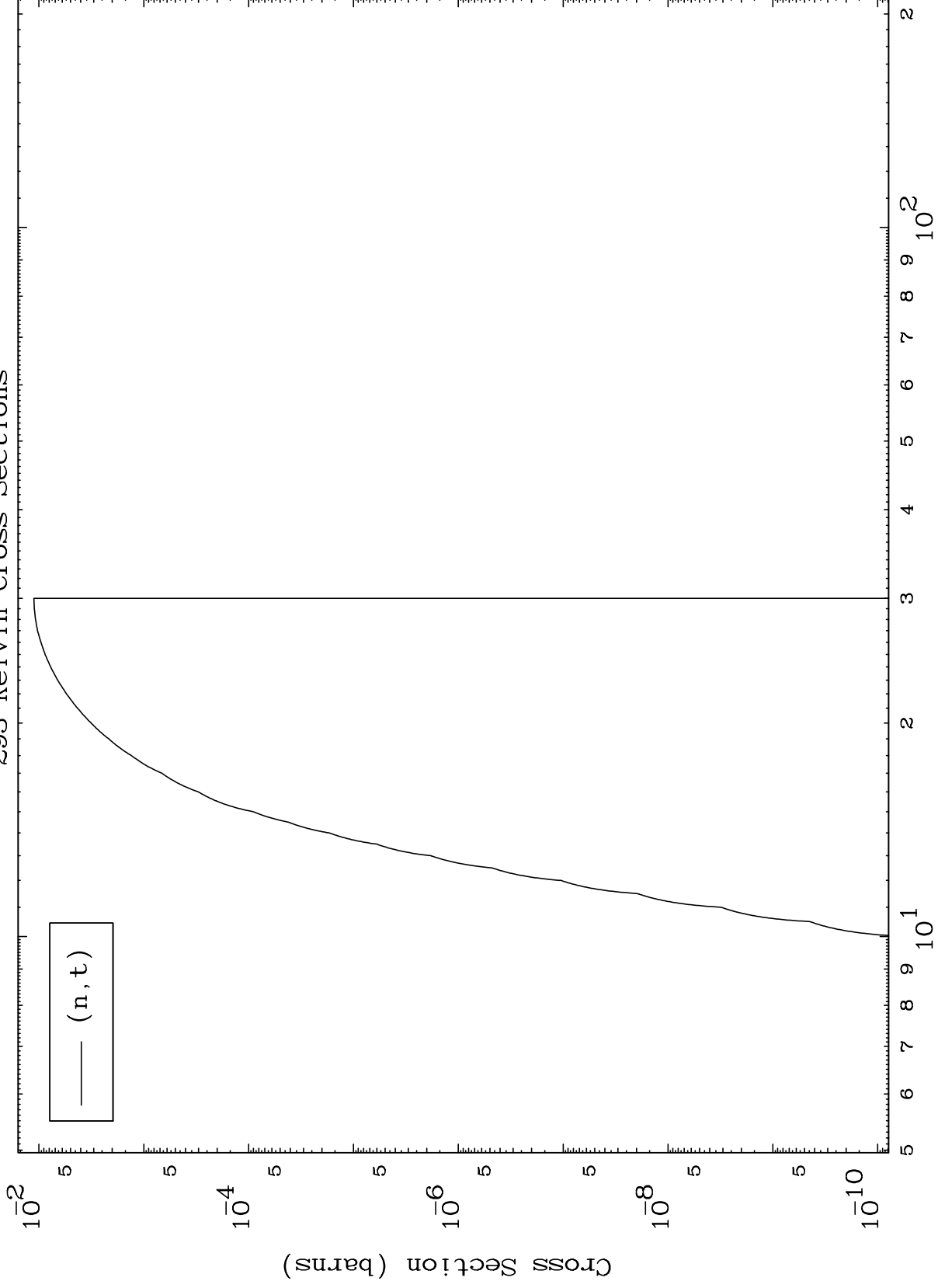
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-143



14

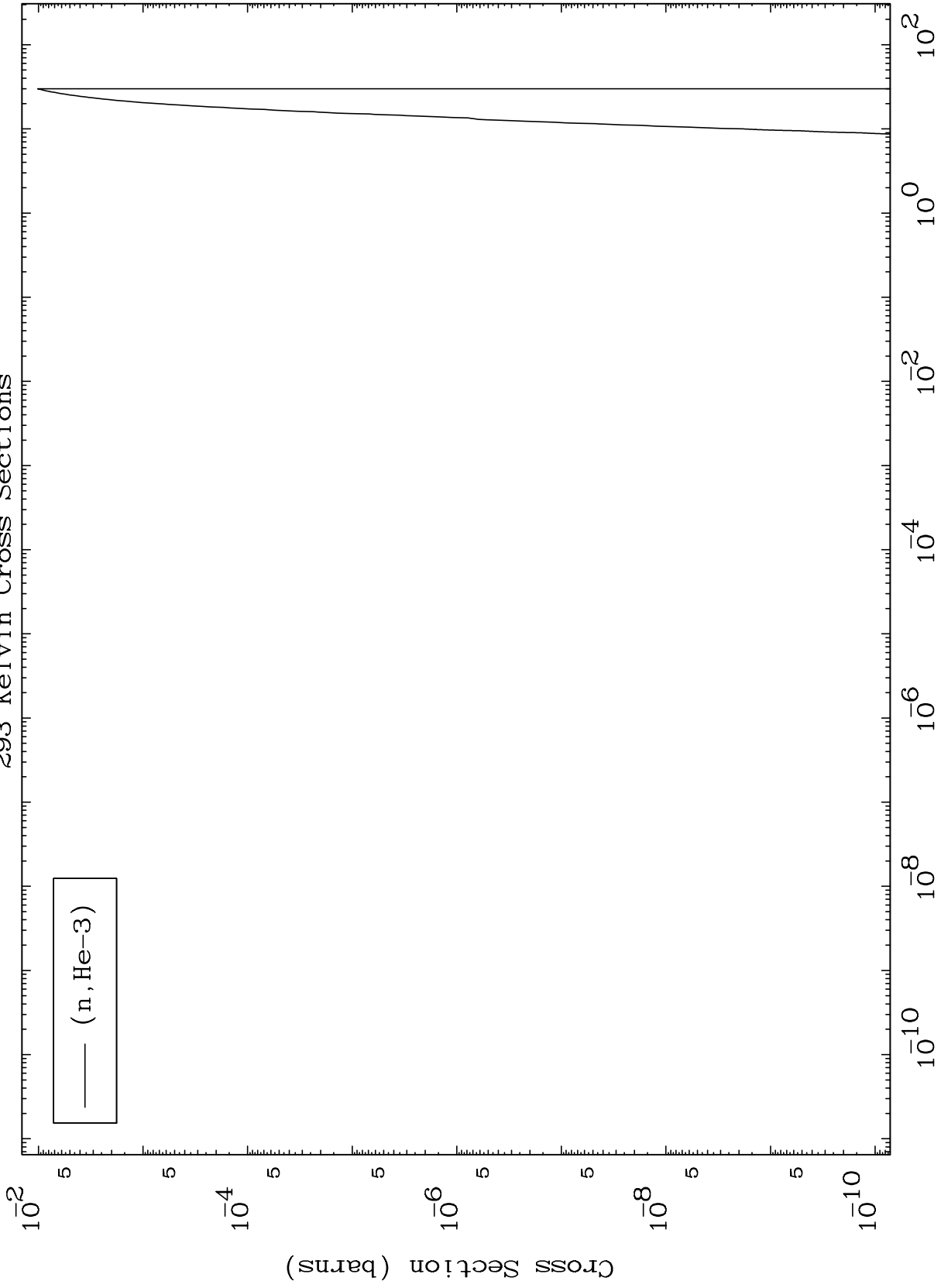
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-143

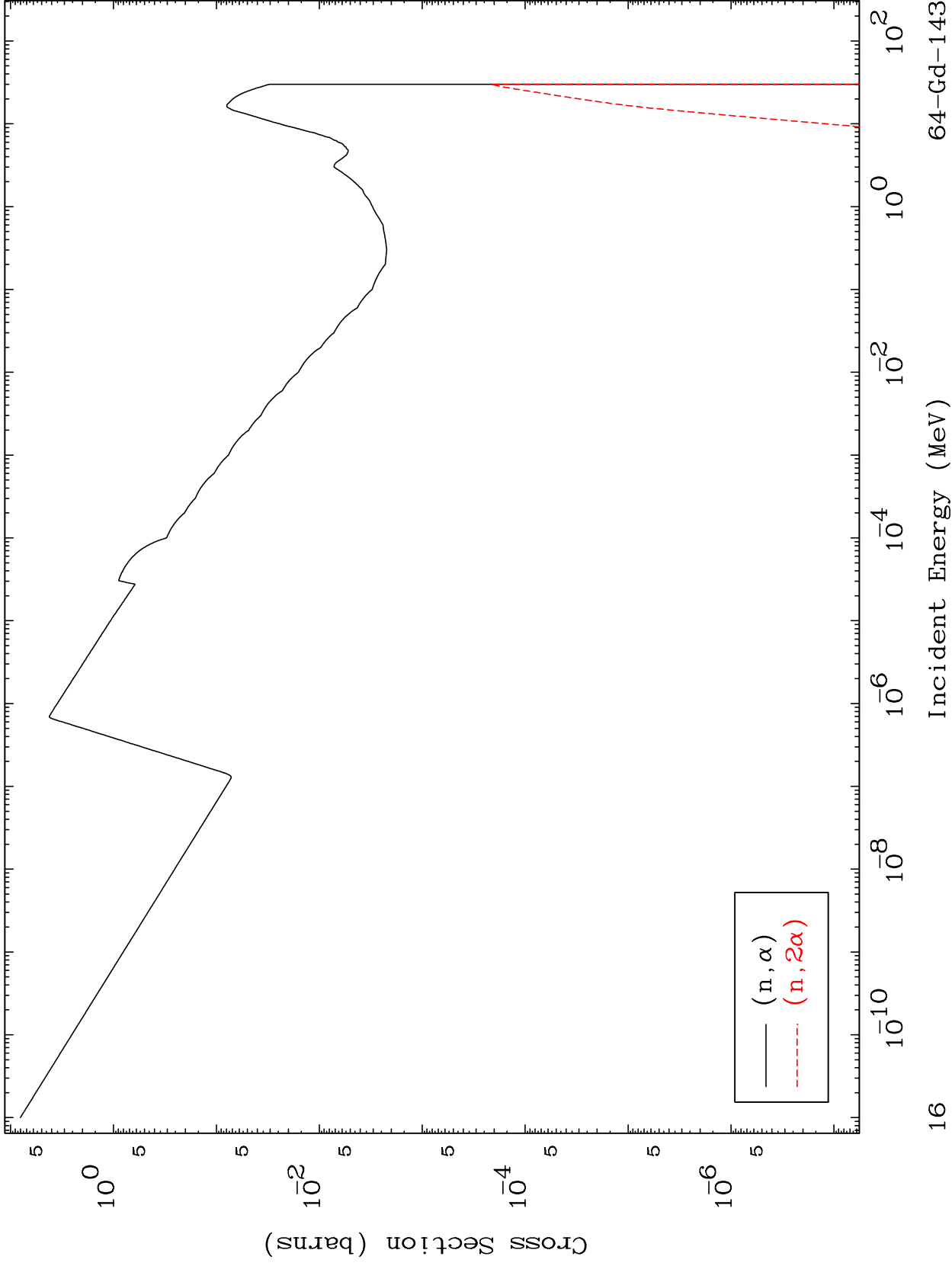


(n, He-3)

MAT 6398

(n,α) Levels
293 Kelvin Cross Sections

64-Gd-143

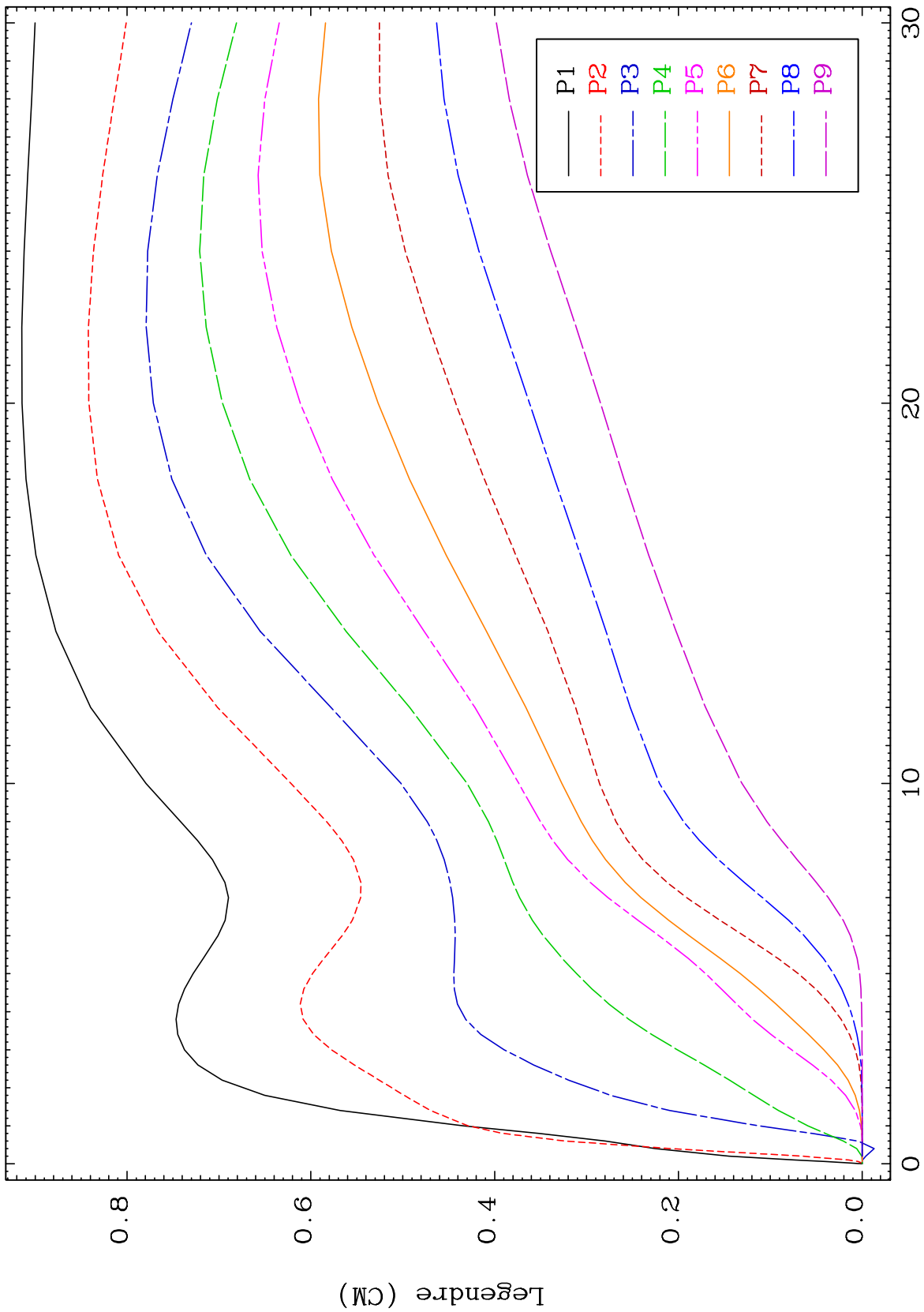


16

MAT 6398

64-Gd-143

Elastic Legendre Coefficients



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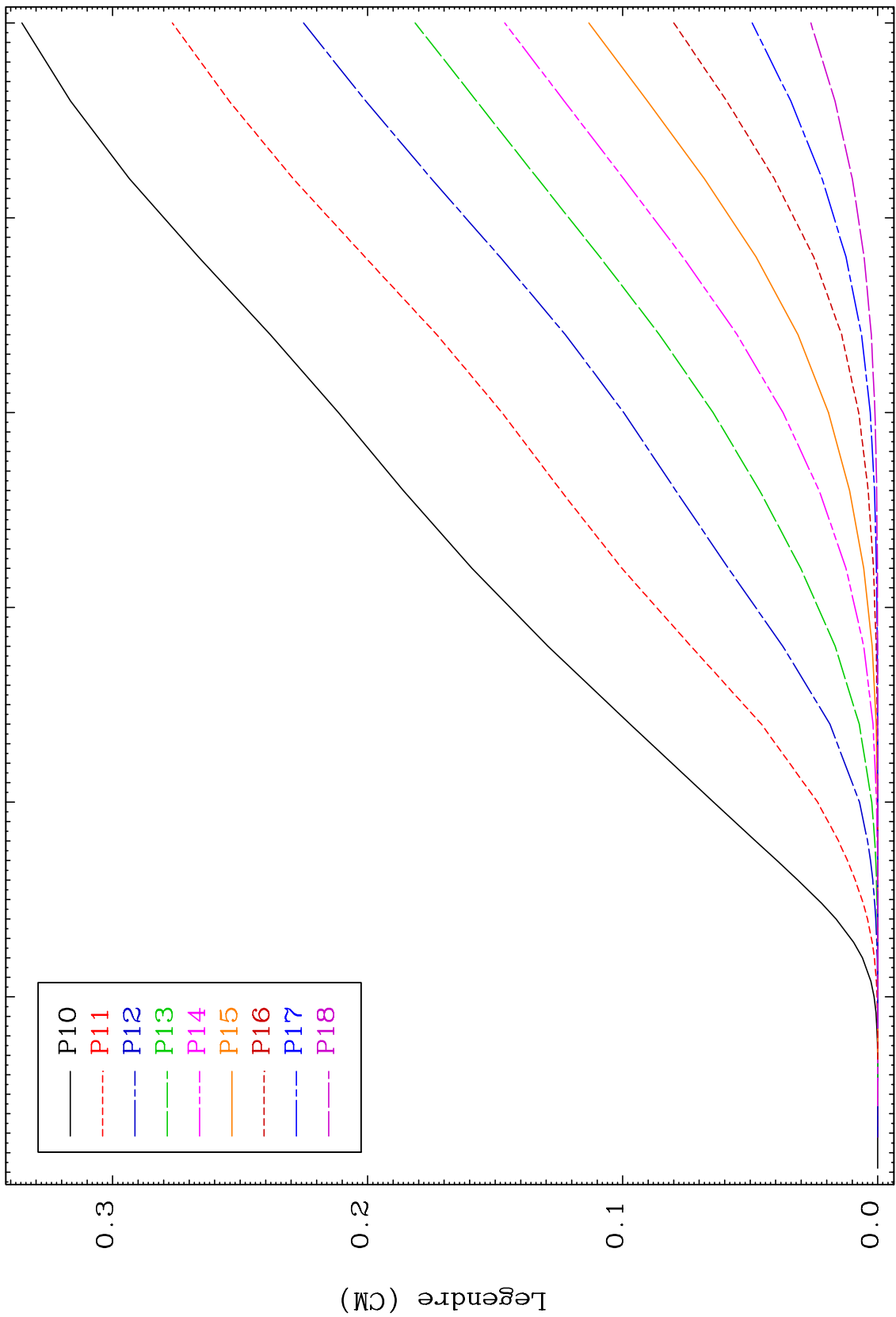
Incident Energy (MeV)

64-Gd-143

MAT 6398

Elastic Legendre Coefficients

64-Gd-143



18

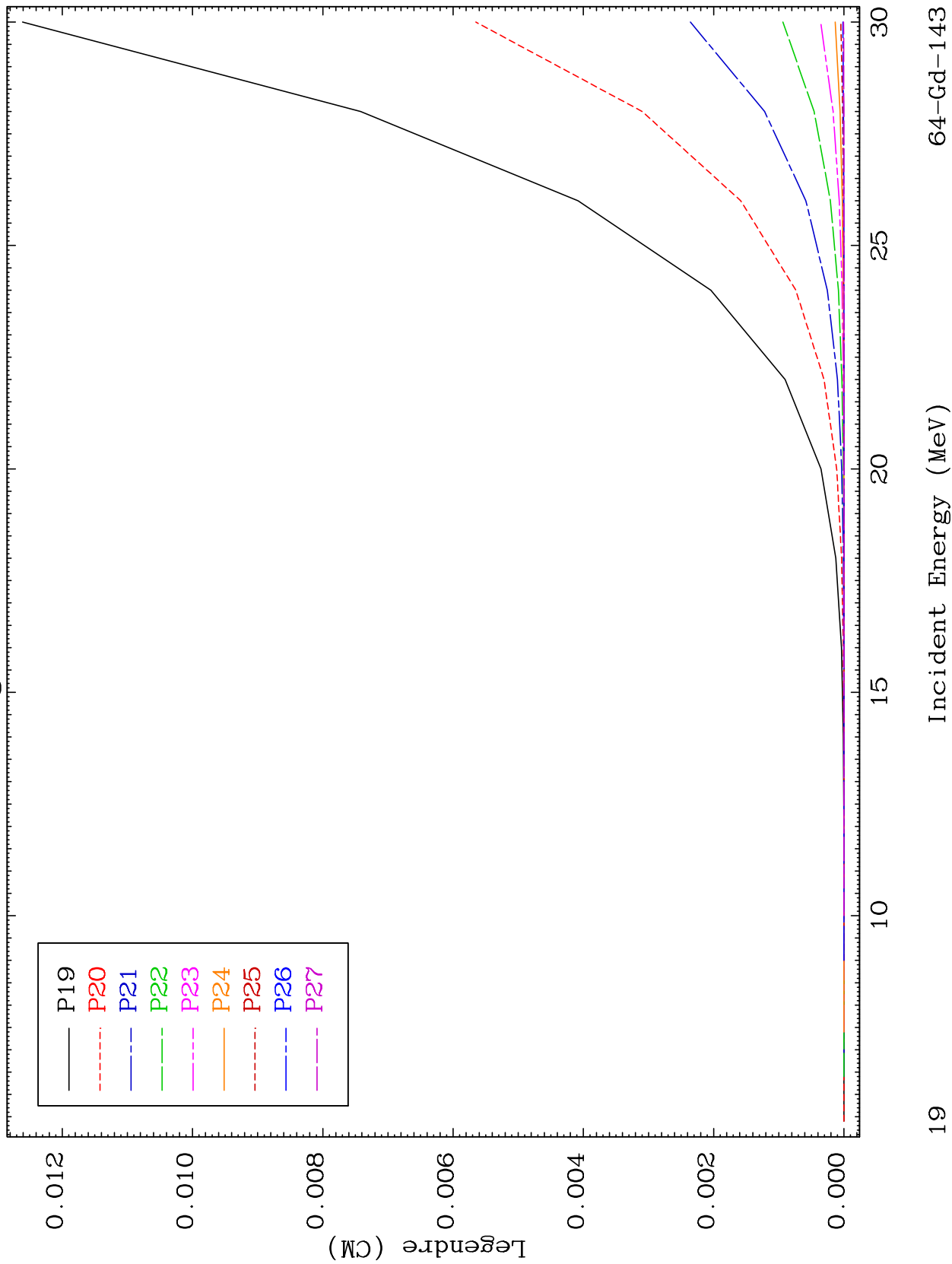
Incident Energy (MeV)

64-Gd-143

MAT 6398

Elastic Legendre Coefficients

64-Gd-143



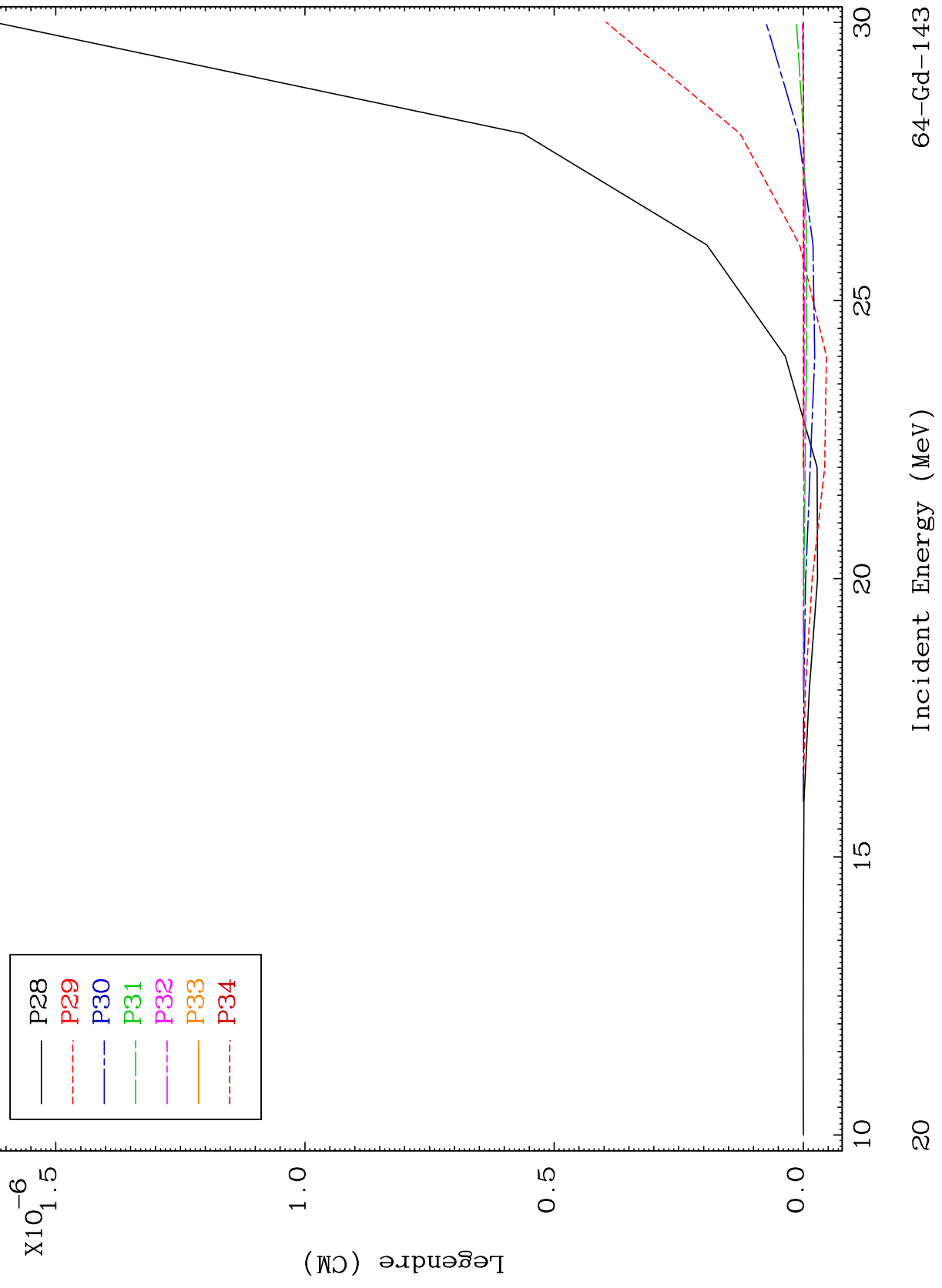
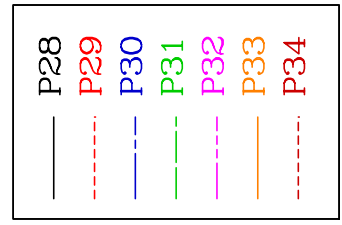
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64-Gd-143

MAT 6398

Elastic
Legendre Coefficients

64-Gd-143



64-Gd-143

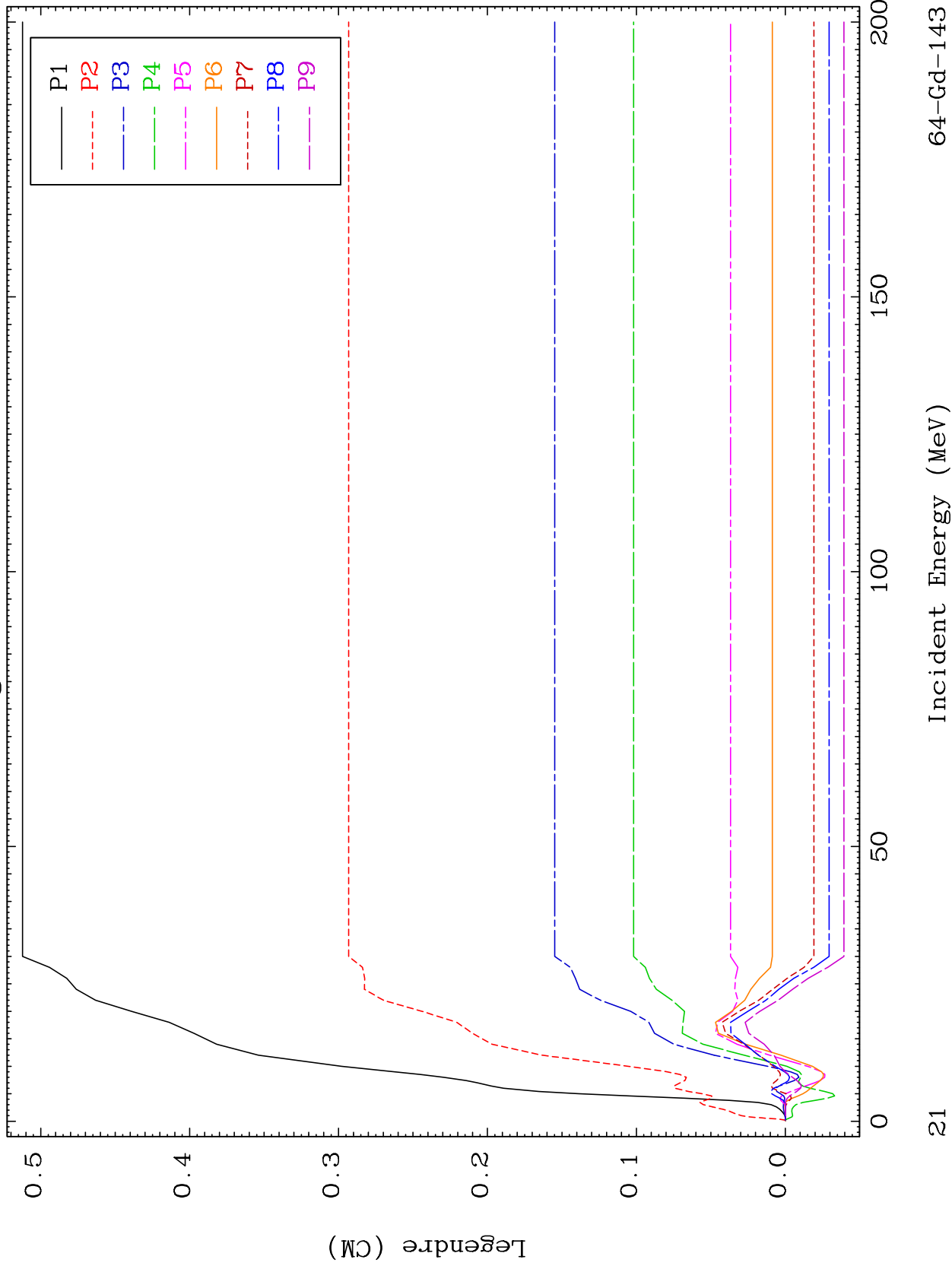
Incident Energy (MeV)

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MAT 6398

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

64-Gd-143

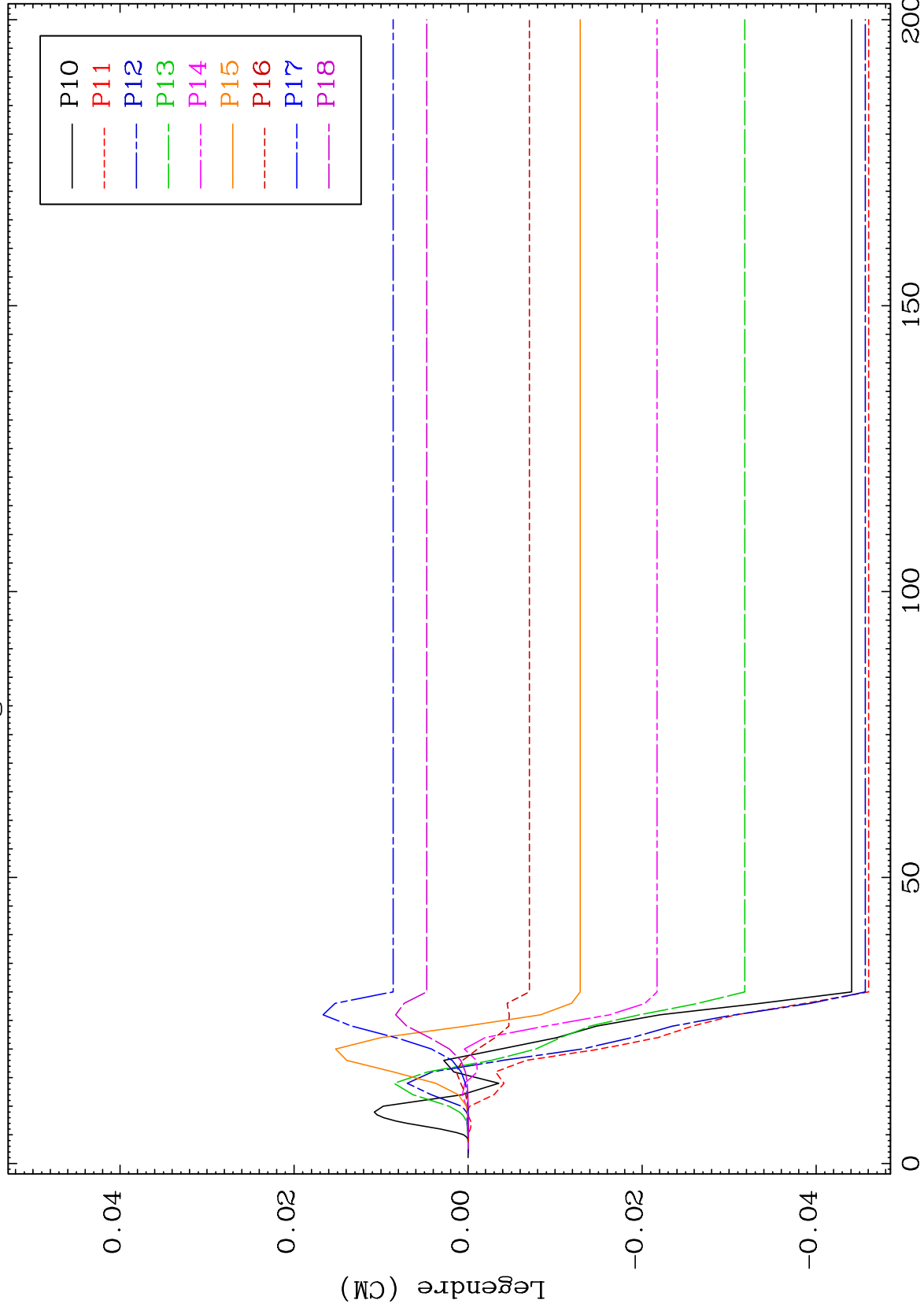


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MAT 6398

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

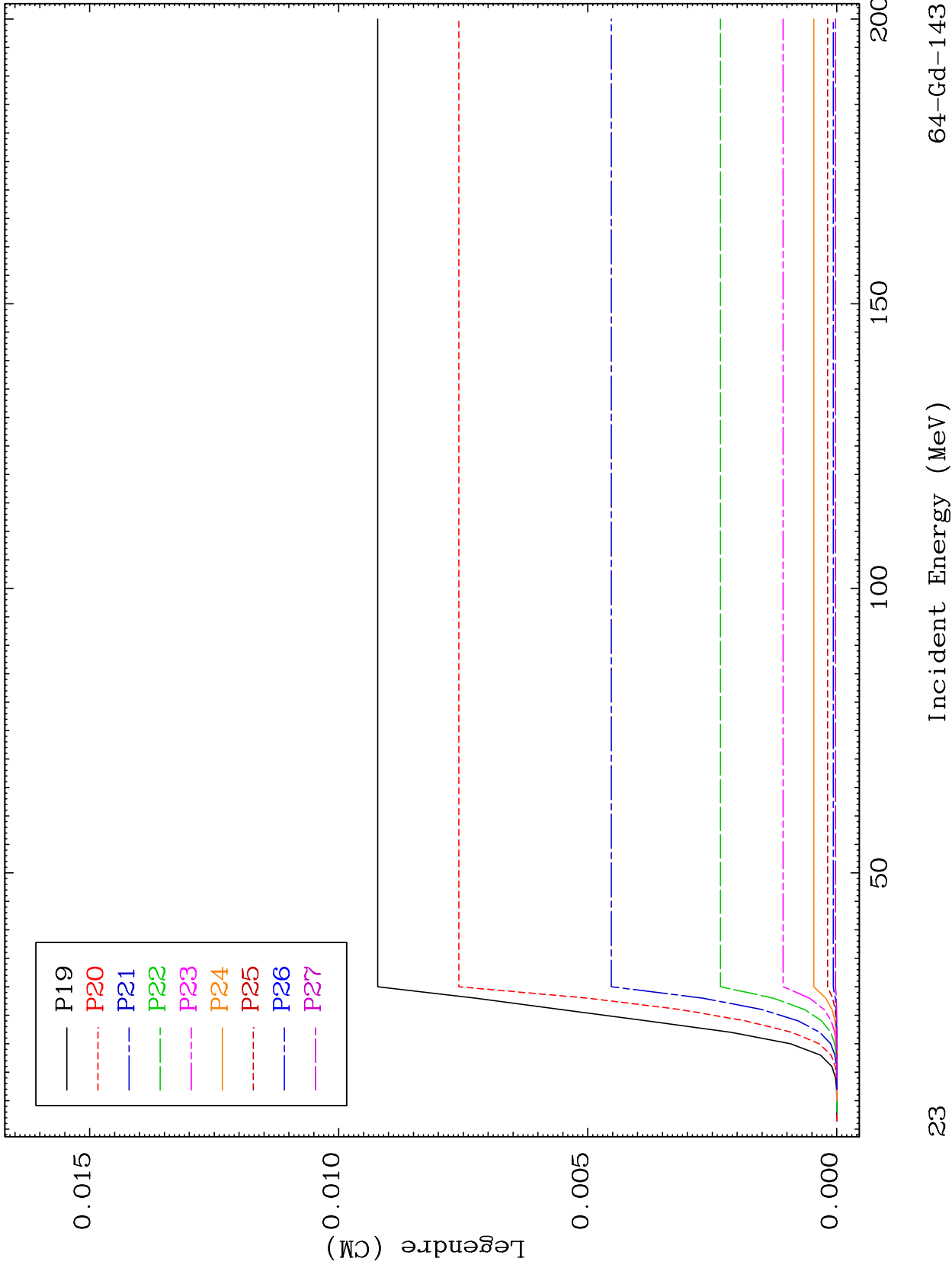
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22

Incident Energy (MeV)

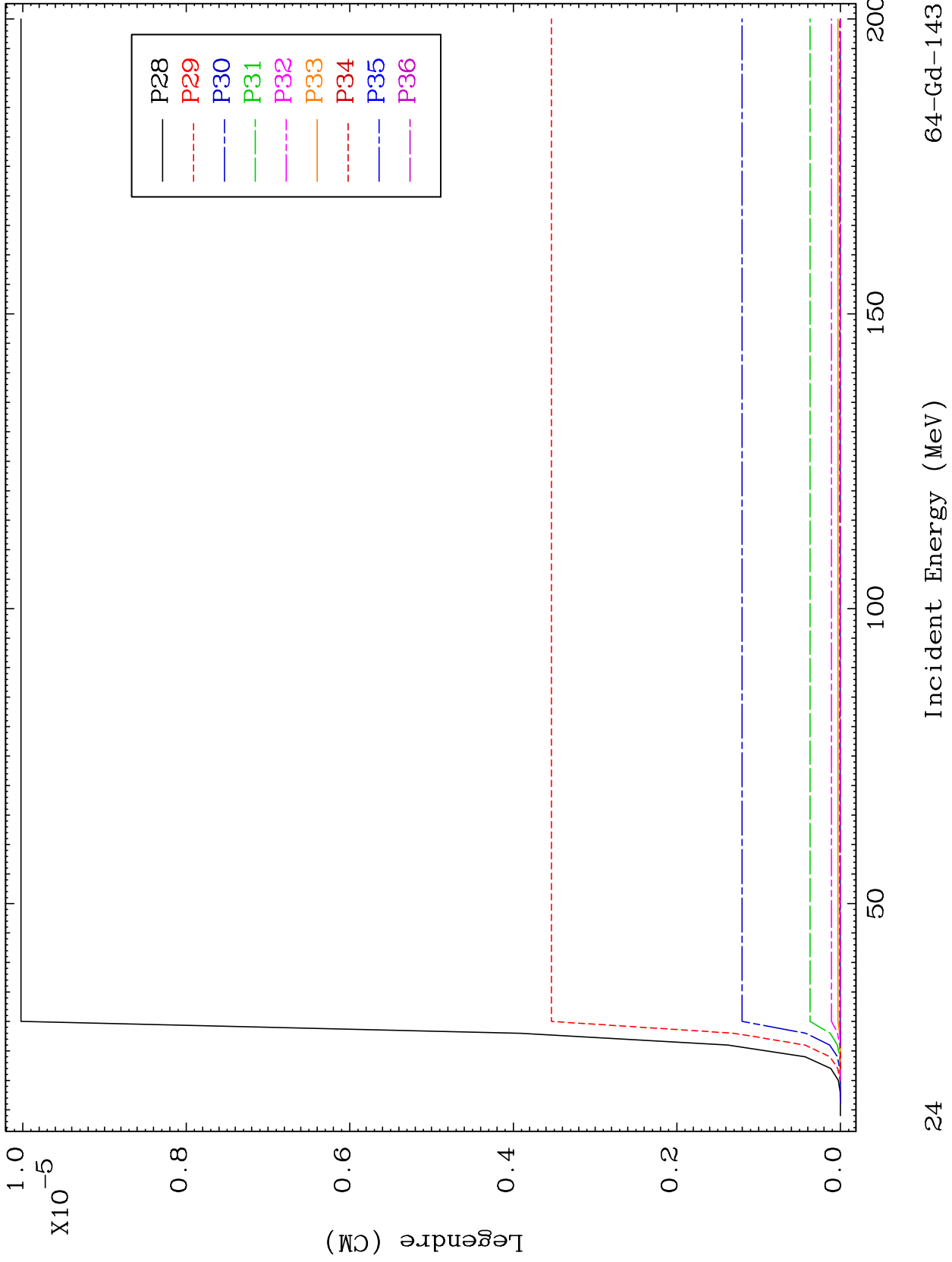
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MAT 6398

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

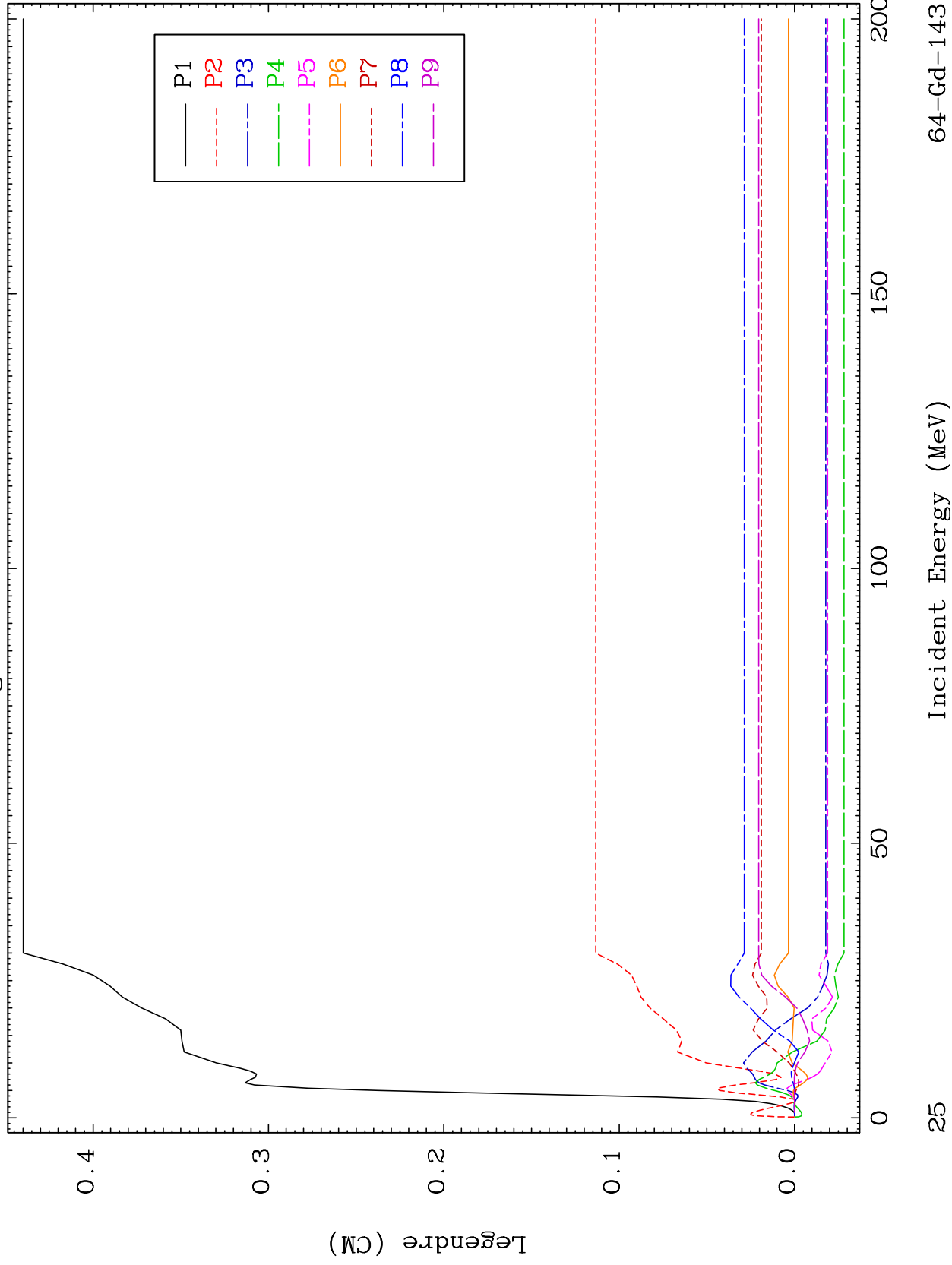
64-Gd-143



MAT 6398

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

64-Gd-143



64-Gd-143

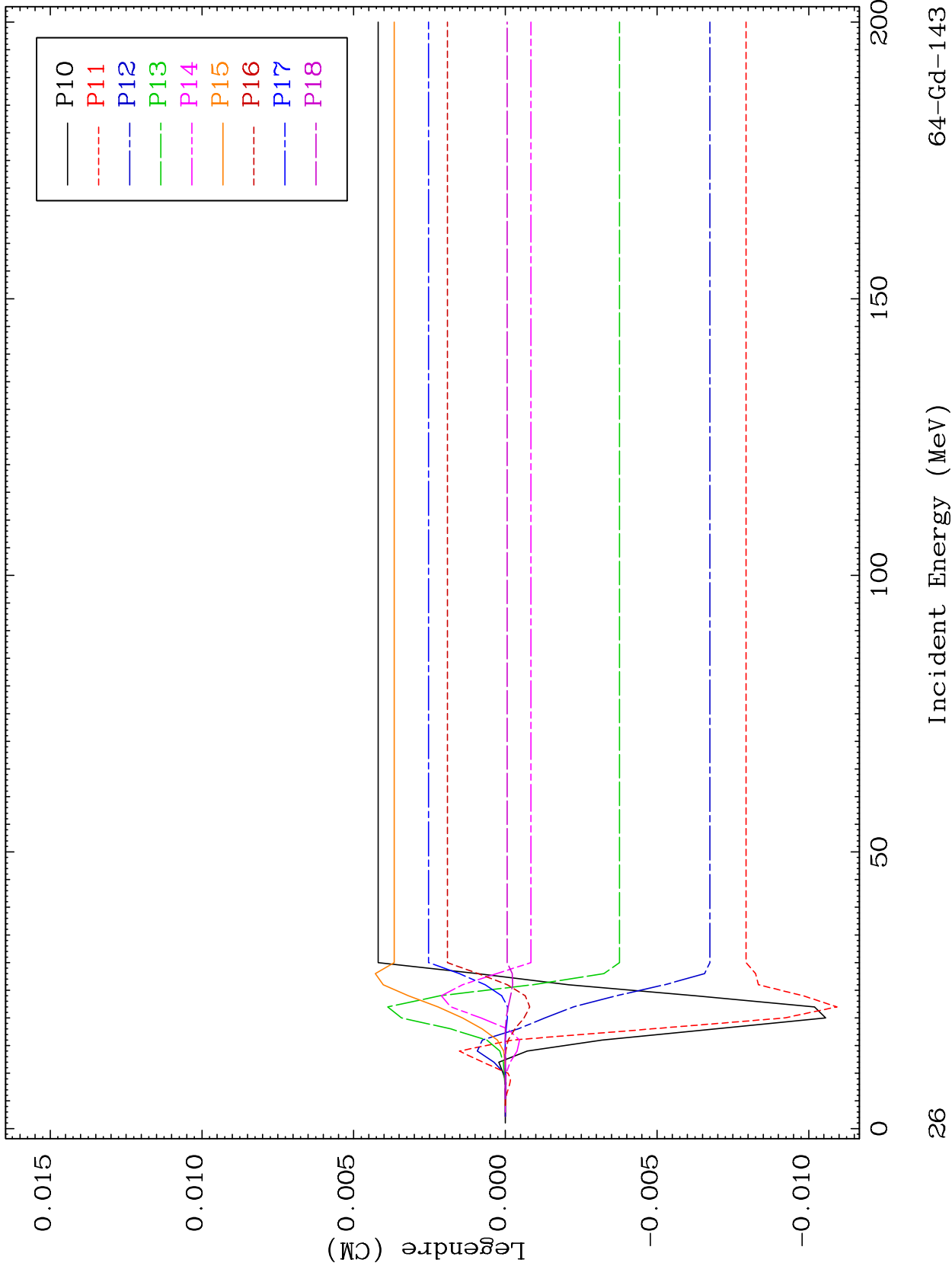
Incident Energy (MeV)

25

MAT 6398

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

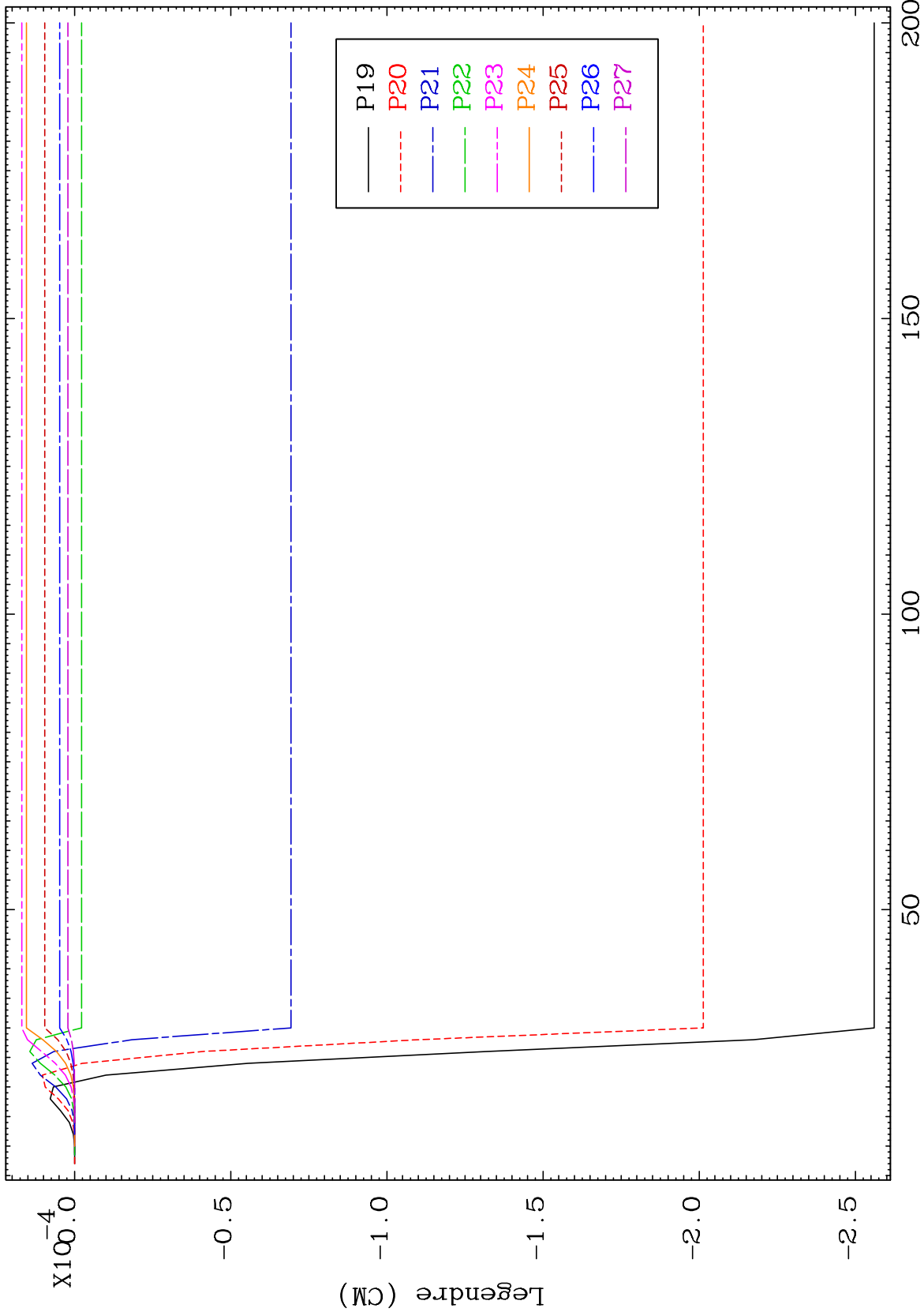
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26

Incident Energy (MeV)

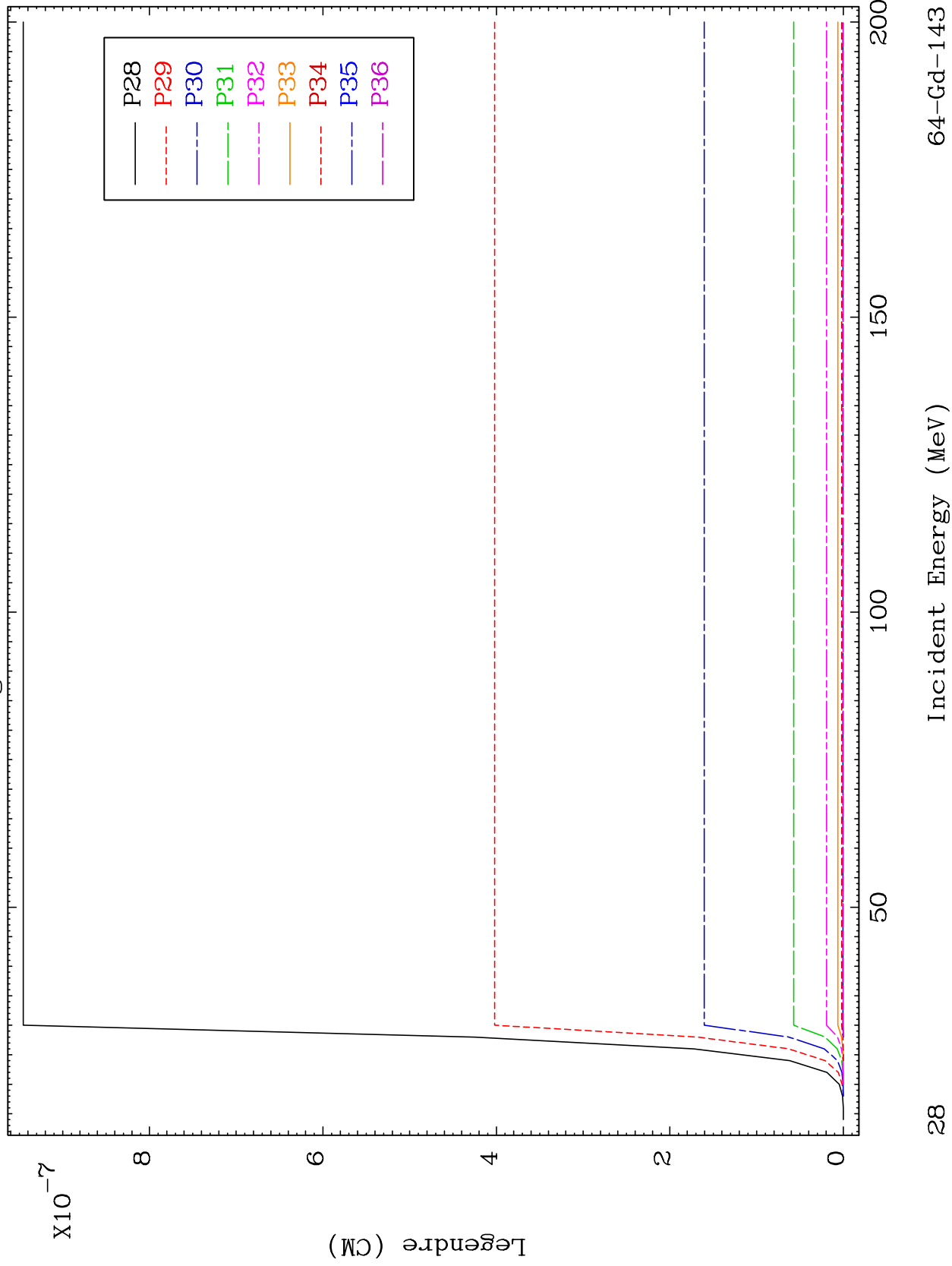
64-Gd-143



MAT 6398

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

64-Gd-143



28

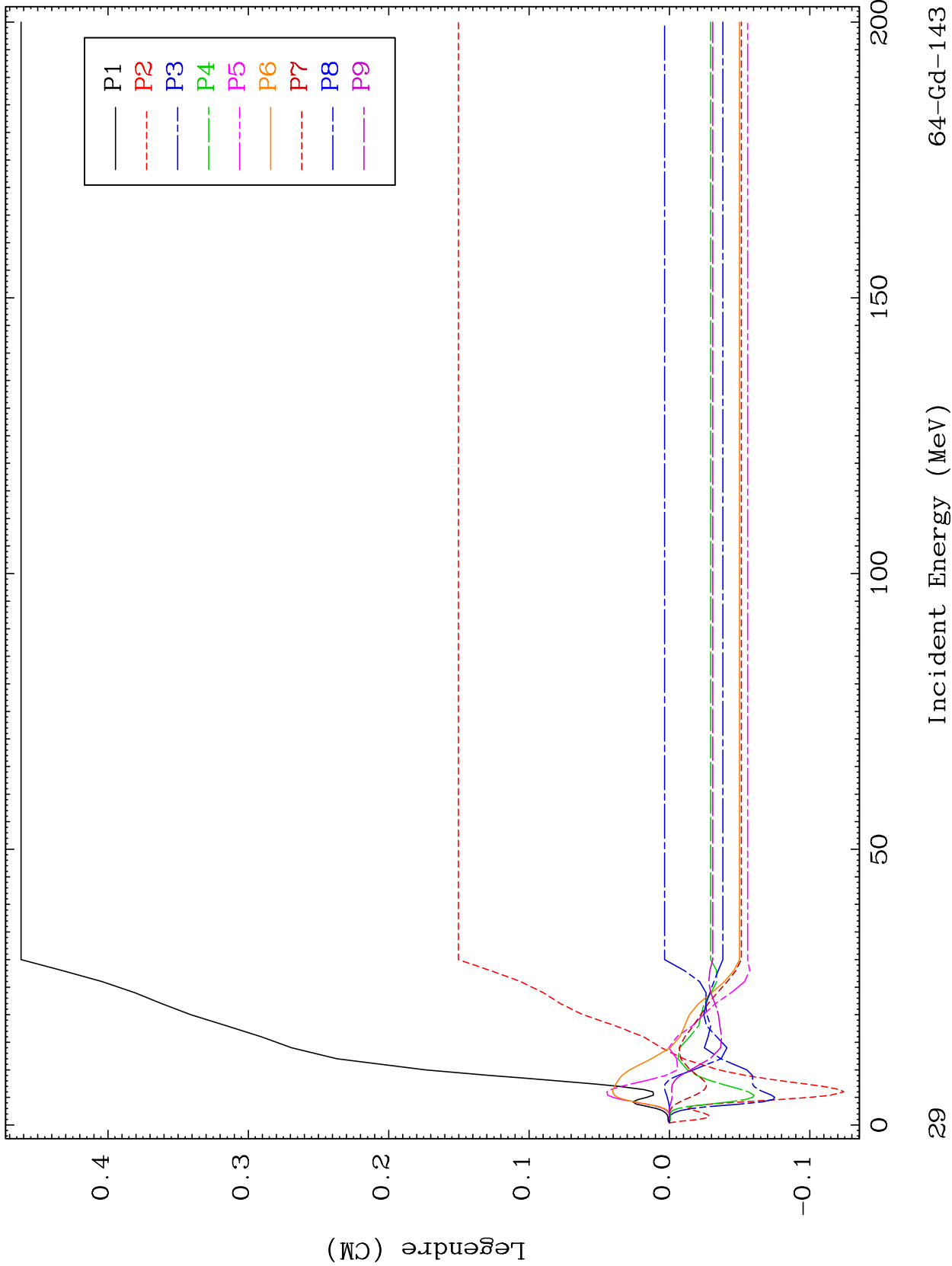
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



29

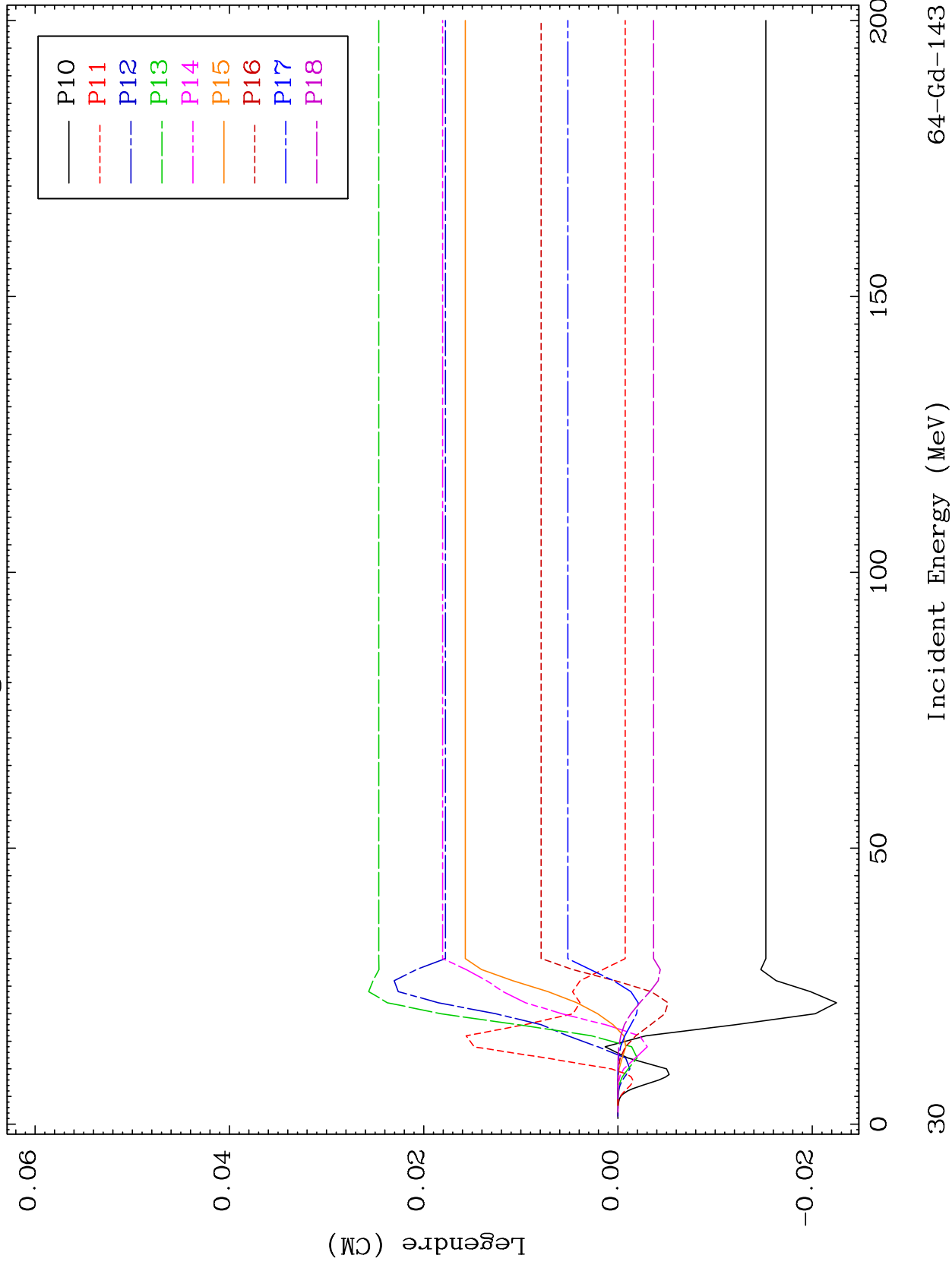
Incident Energy (MeV)

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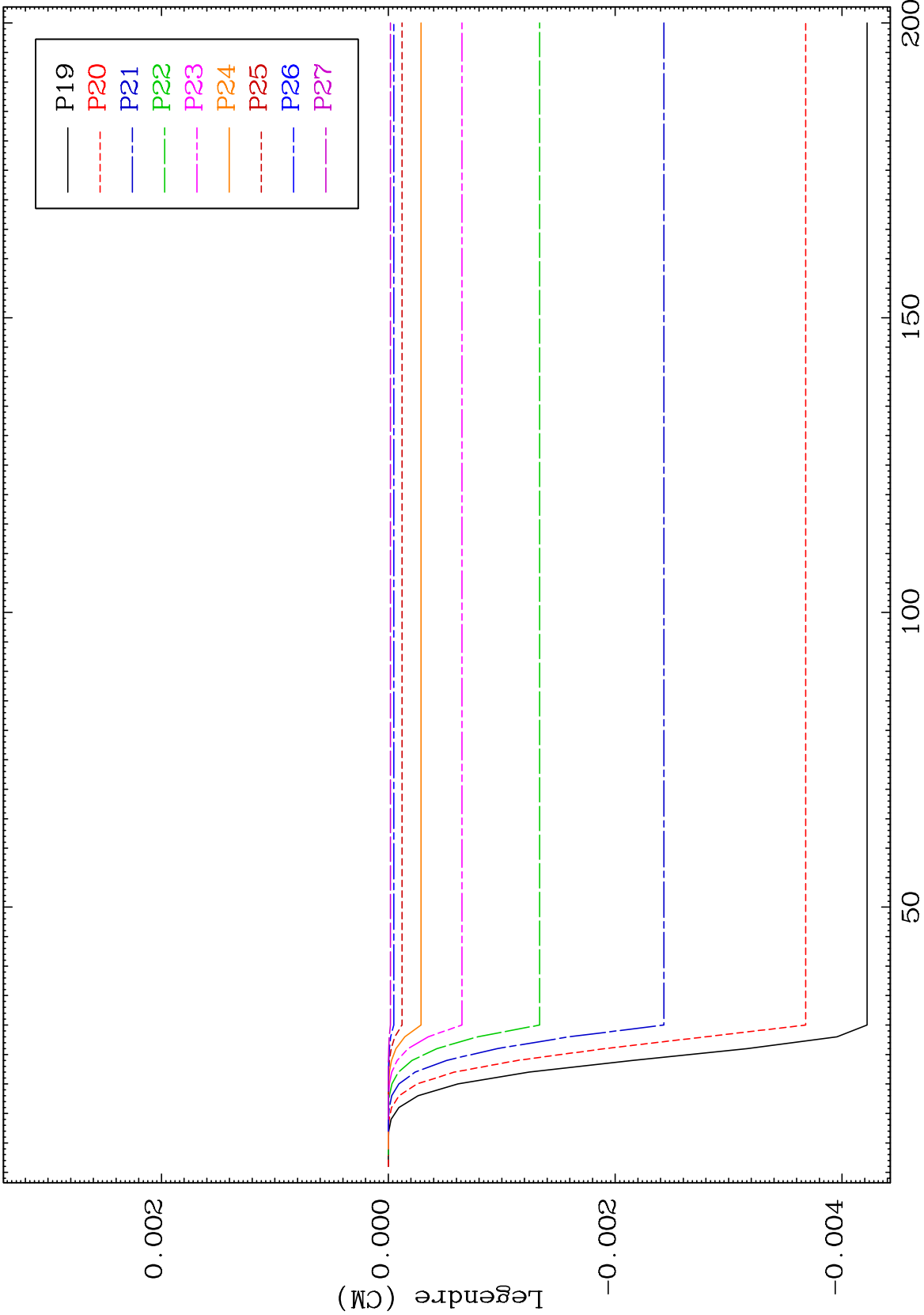
MAT 6398

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

64-Gd-143



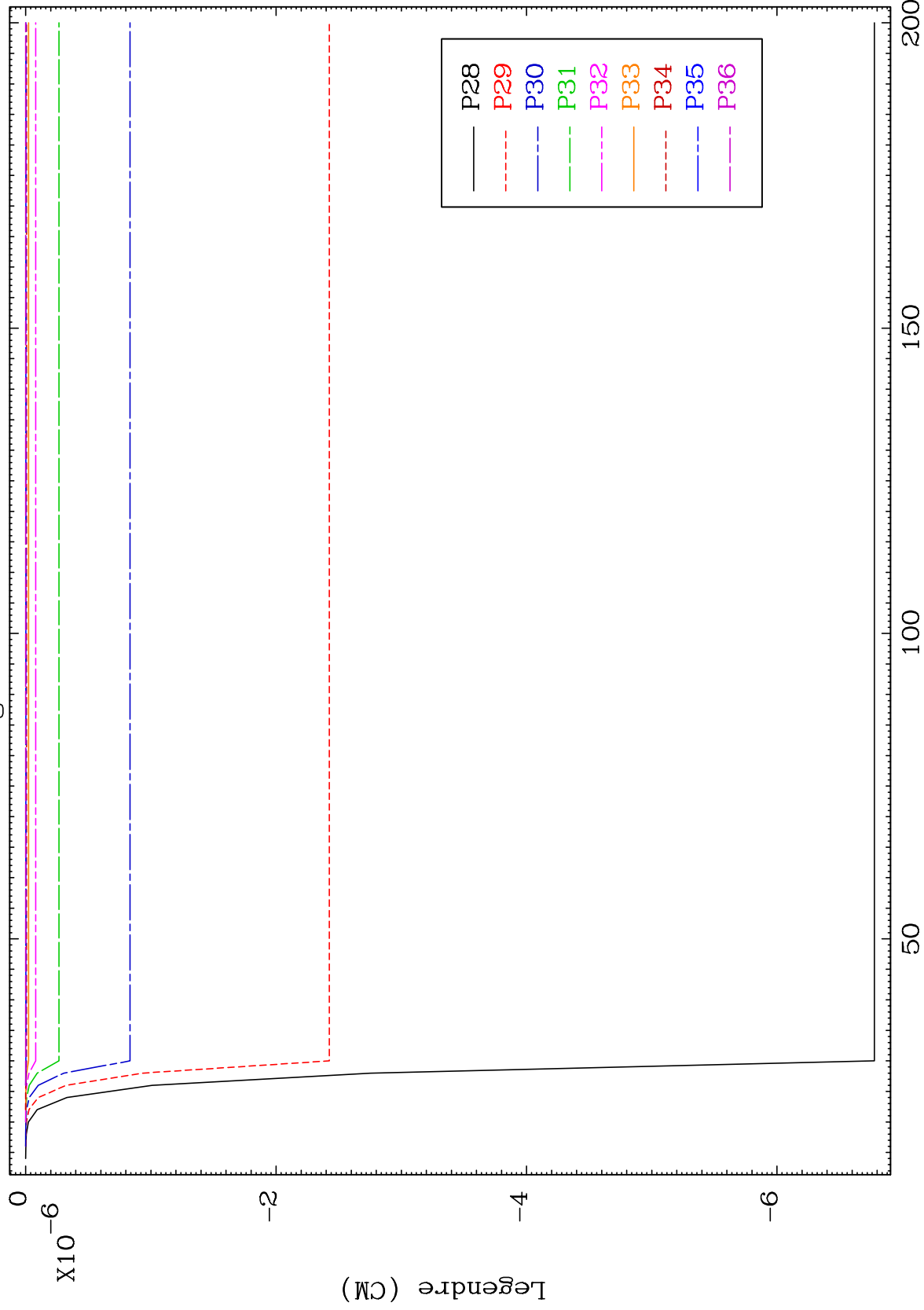
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MAT 6398

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

64-Gd-143



32

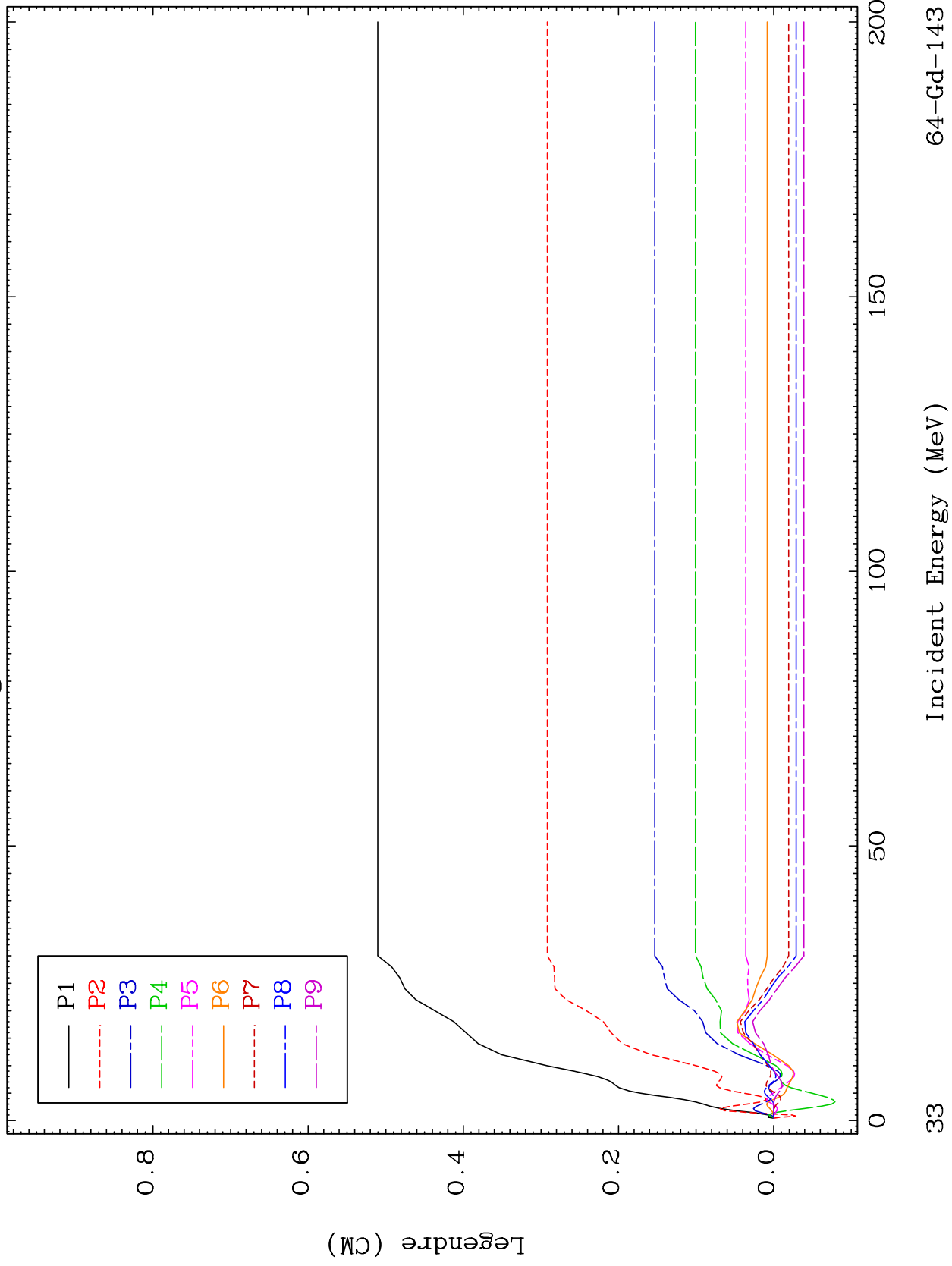
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143

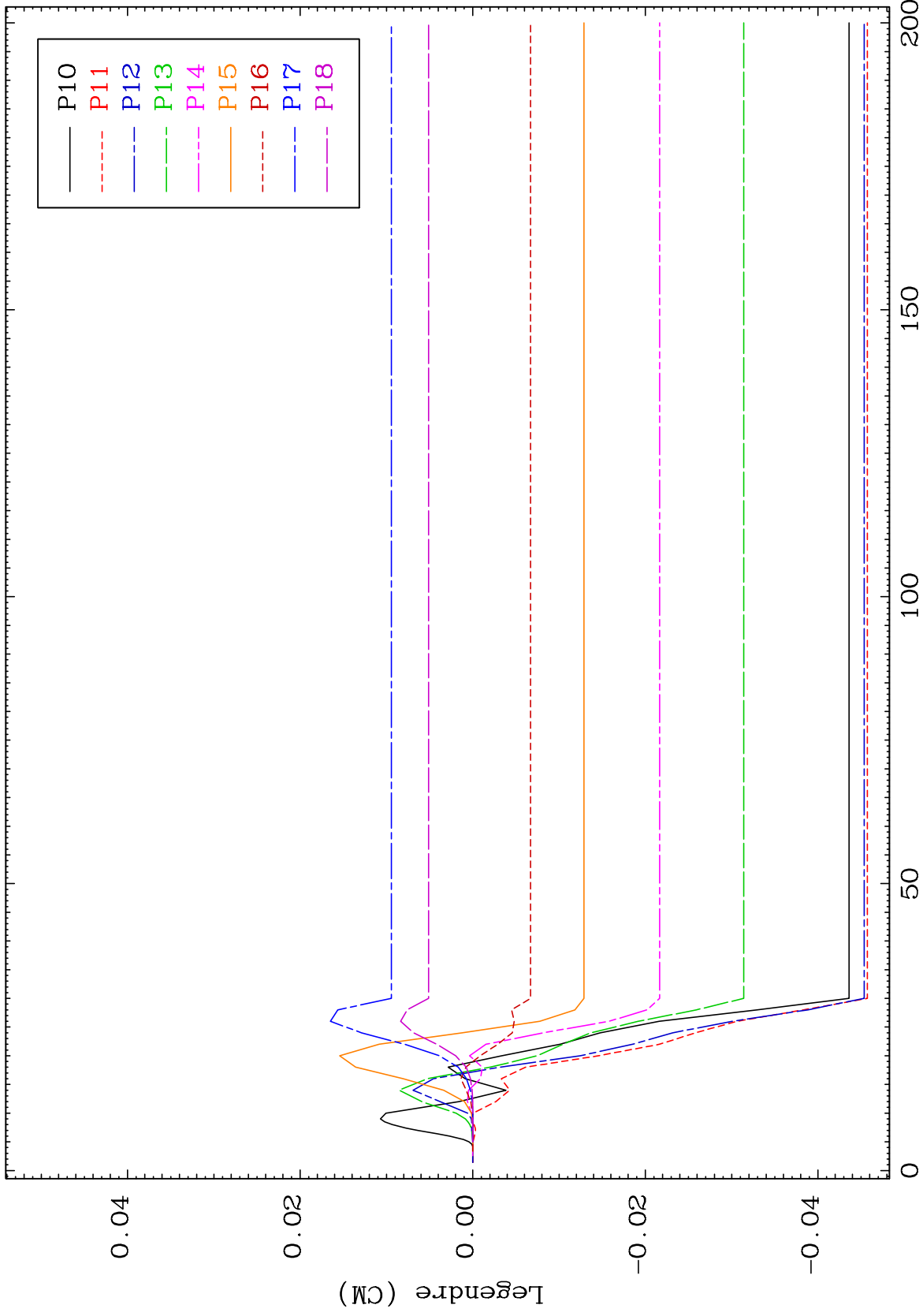


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MAT 6398

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

64-Gd-143



34

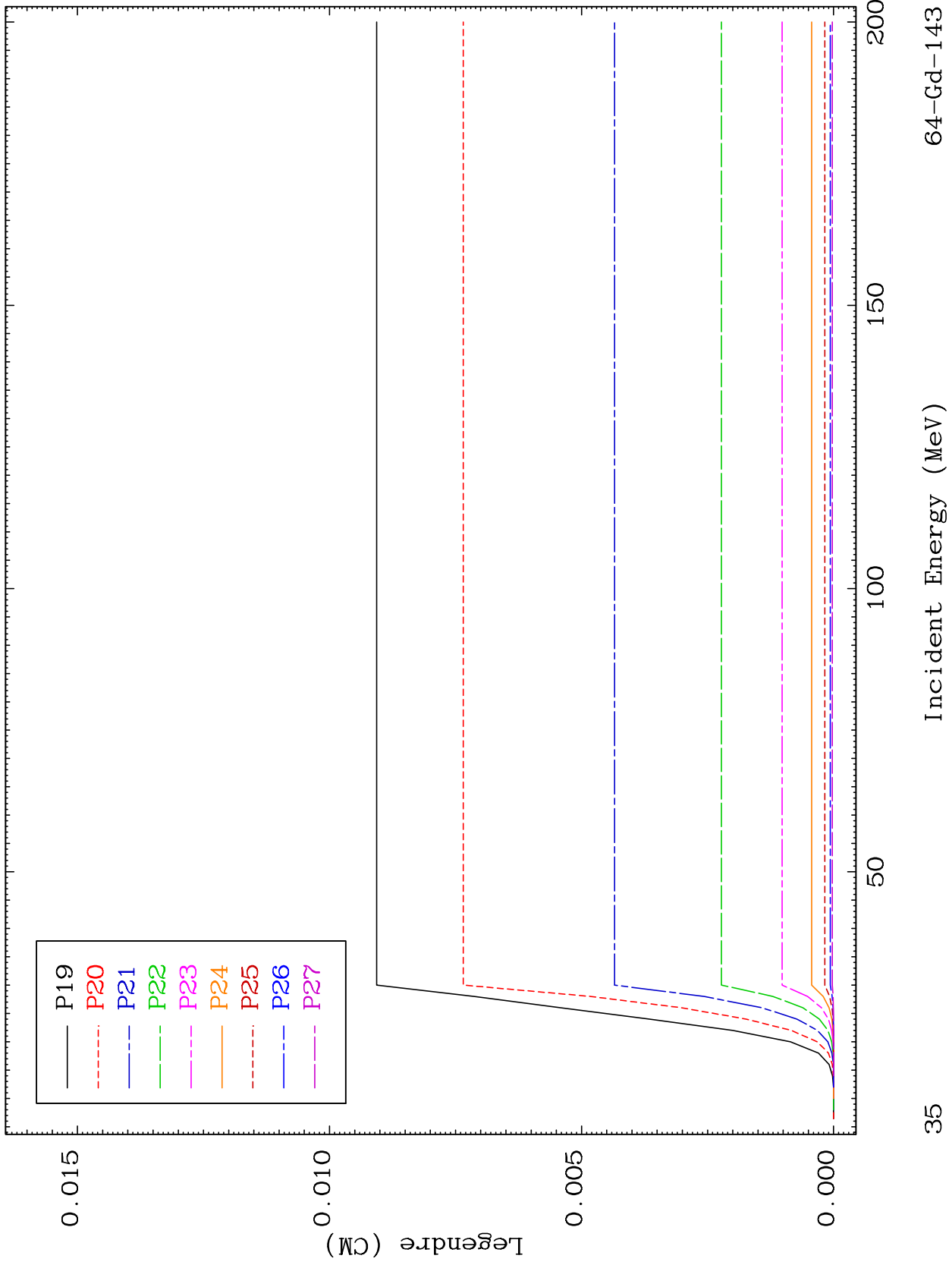
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



35

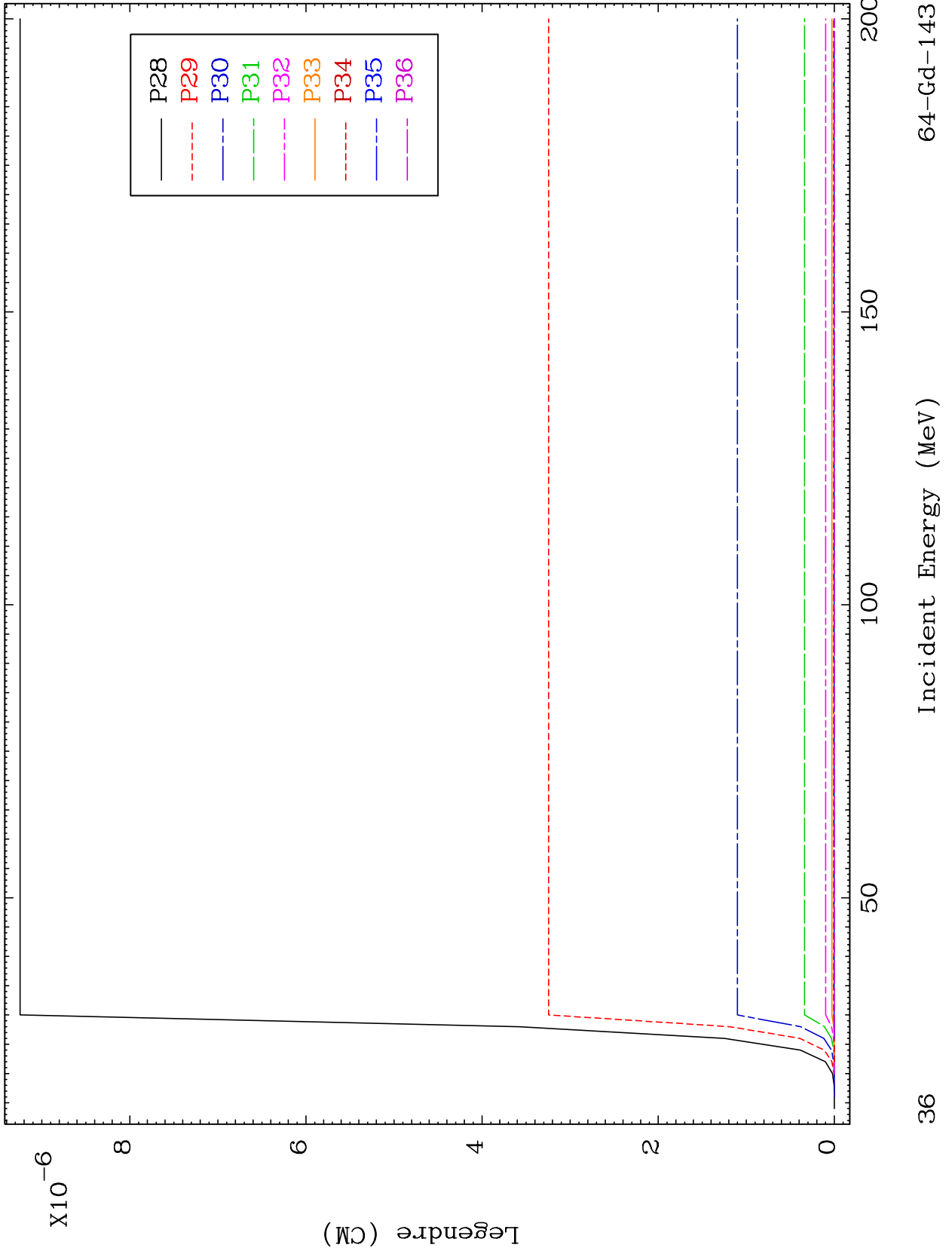
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

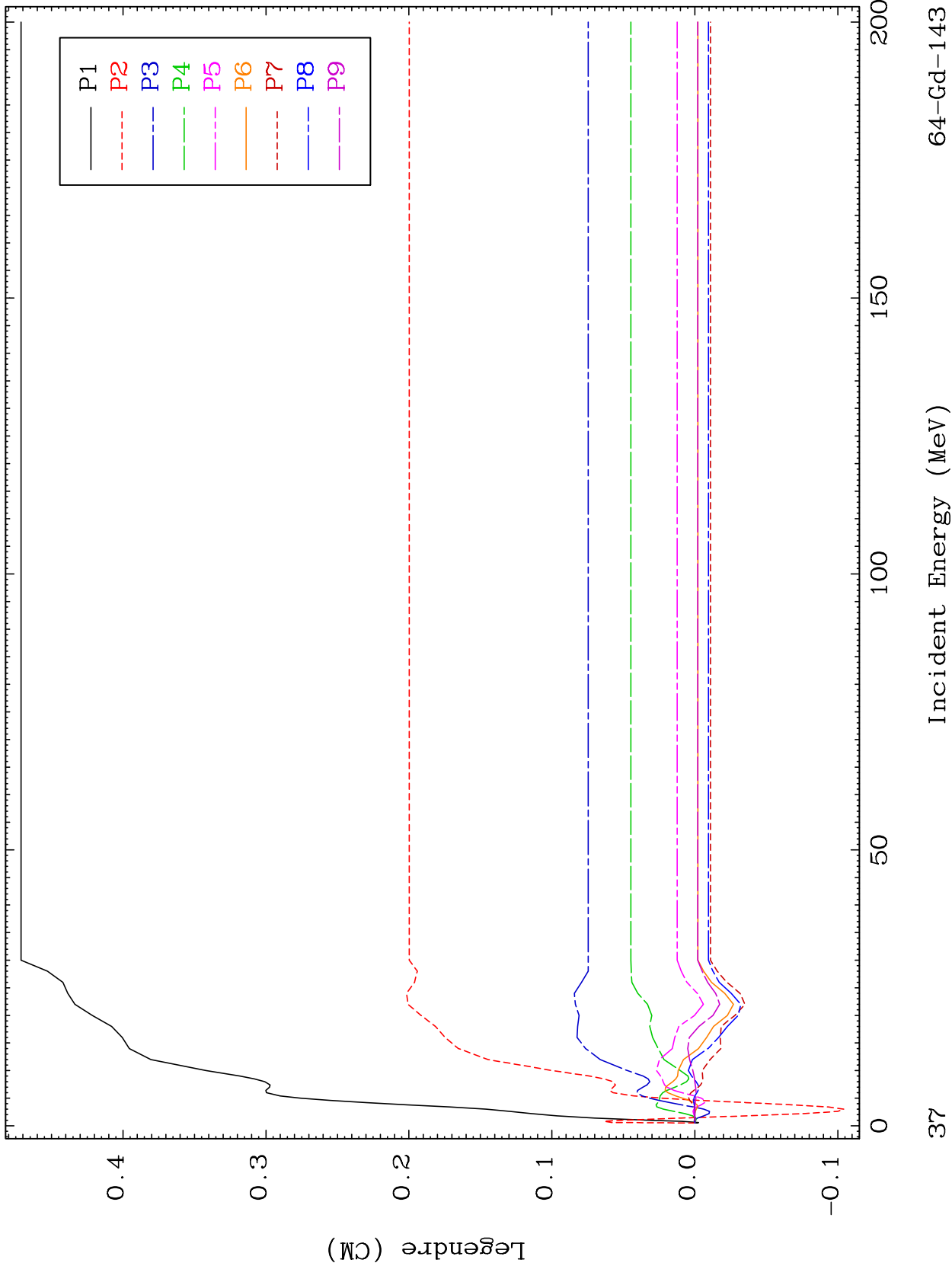
64-Gd-143



MAT 6398

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

64-Gd-143



64-Gd-143

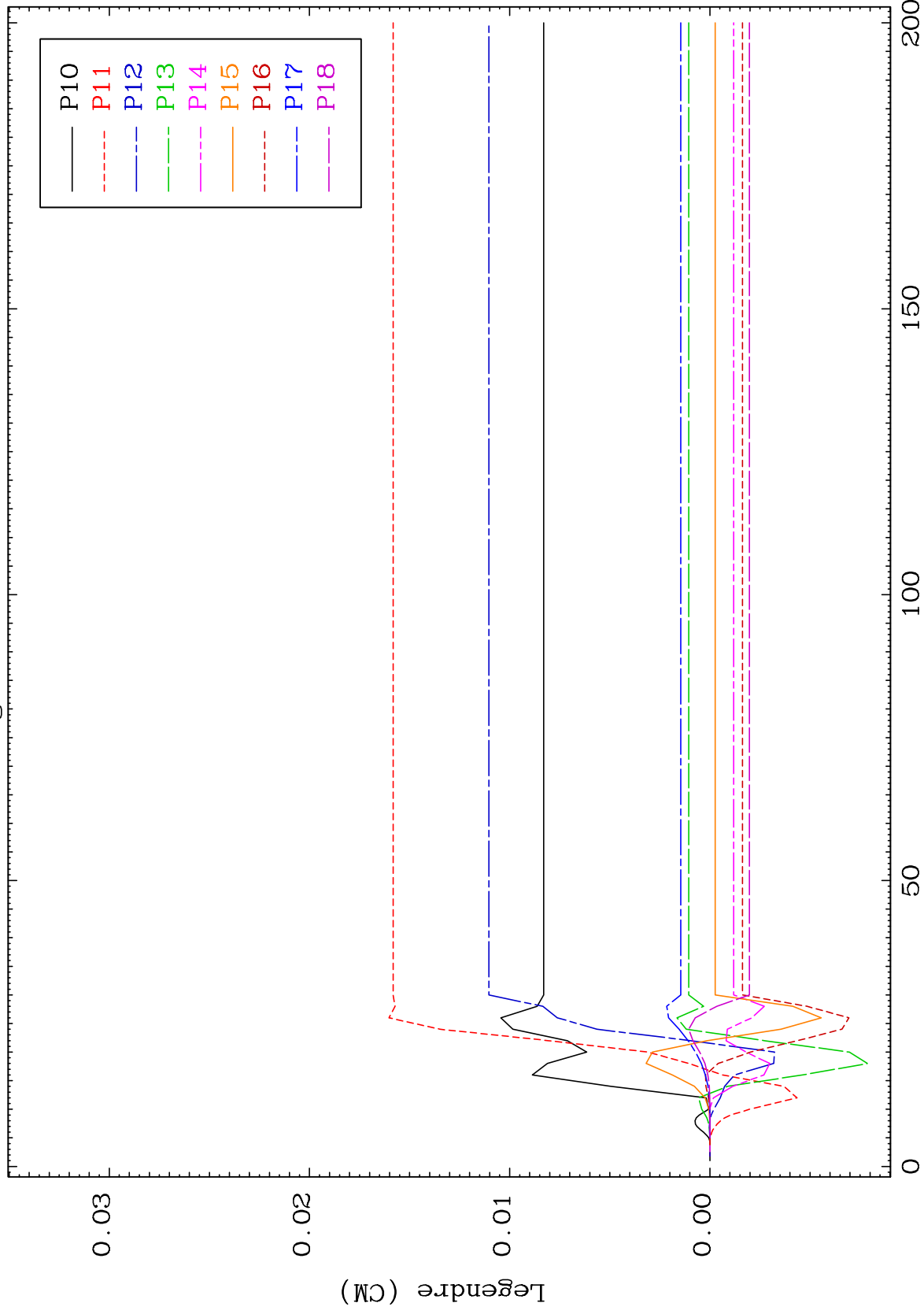
Incident Energy (MeV)

37

MAT 6398

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

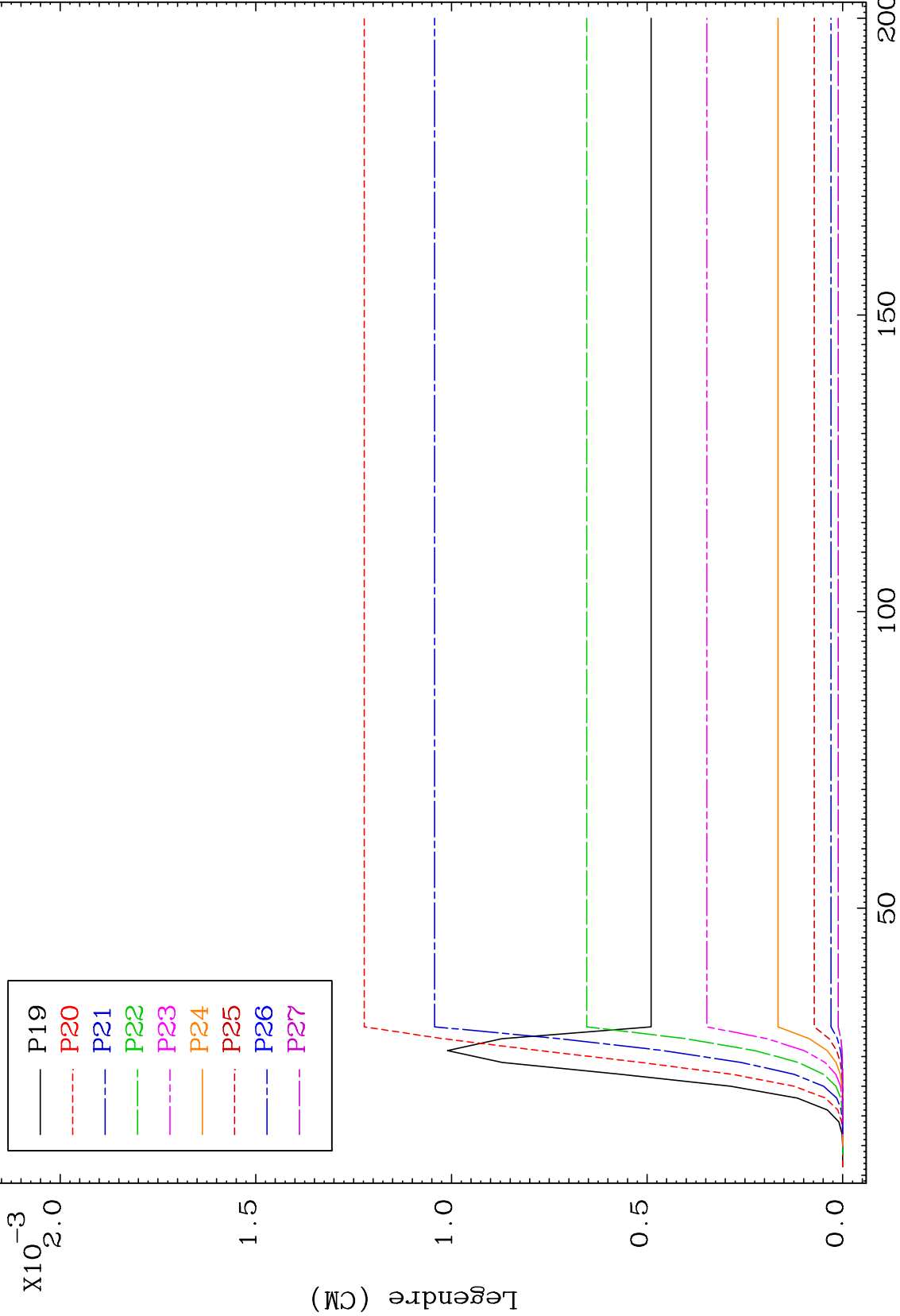
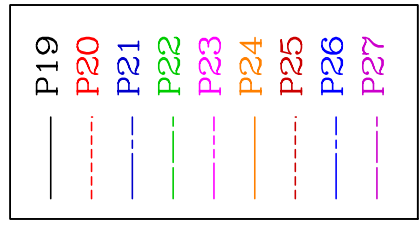
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38

Incident Energy (MeV)

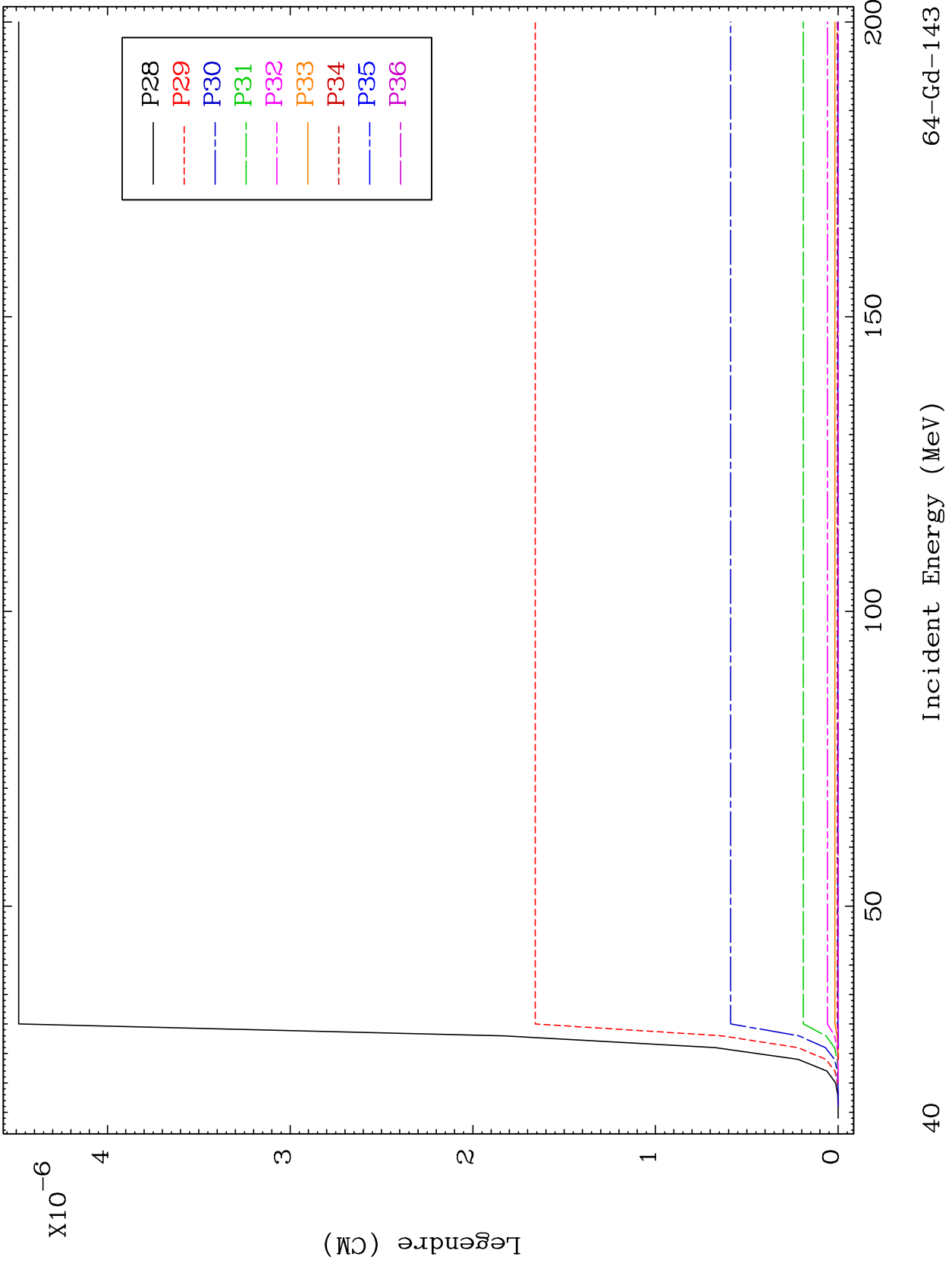
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MAT 6398

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

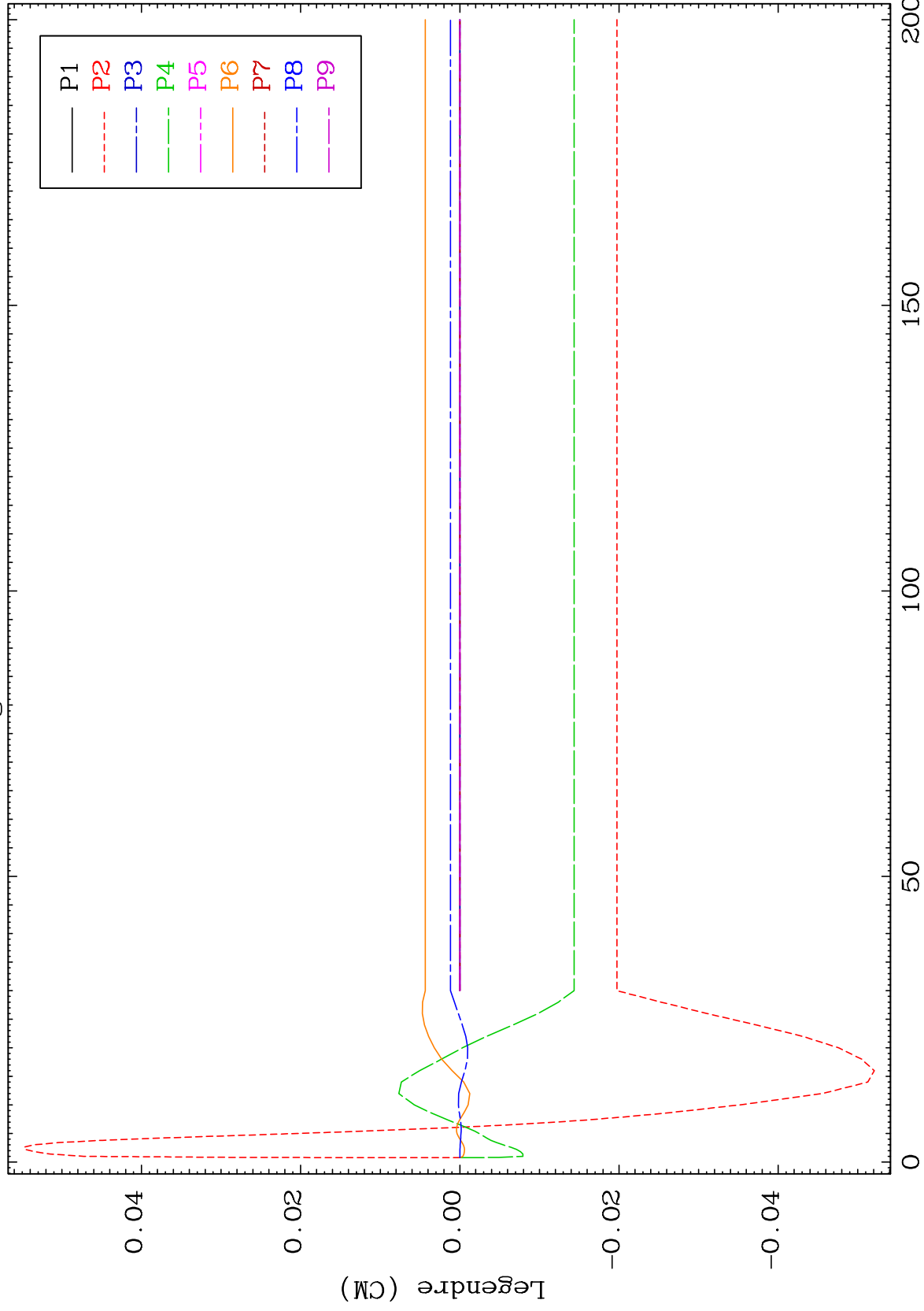
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MAT 6398

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

64-Gd-143



64-Gd-143

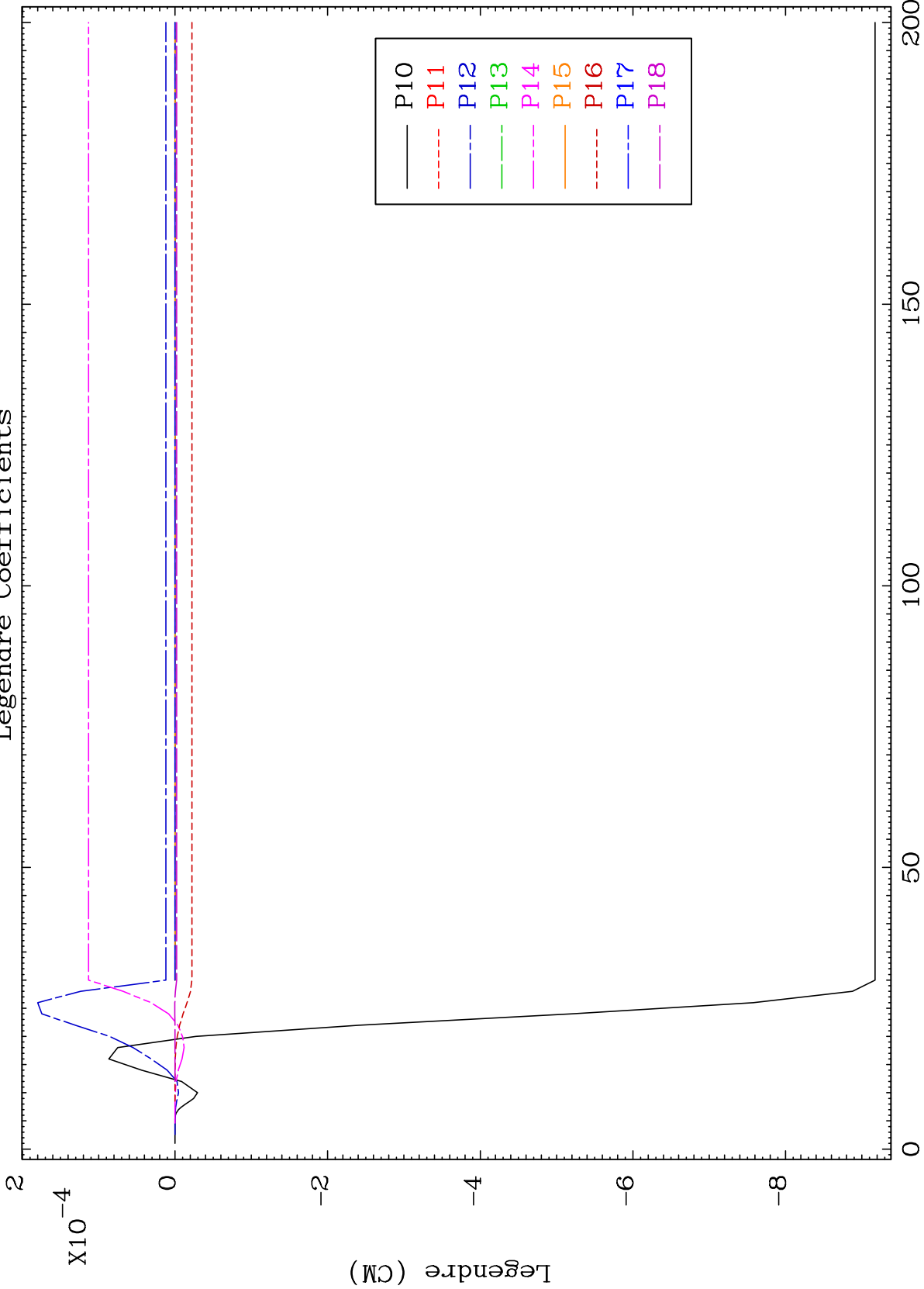
Incident Energy (MeV)

41

MAT 6398

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

64-Gd-143



42

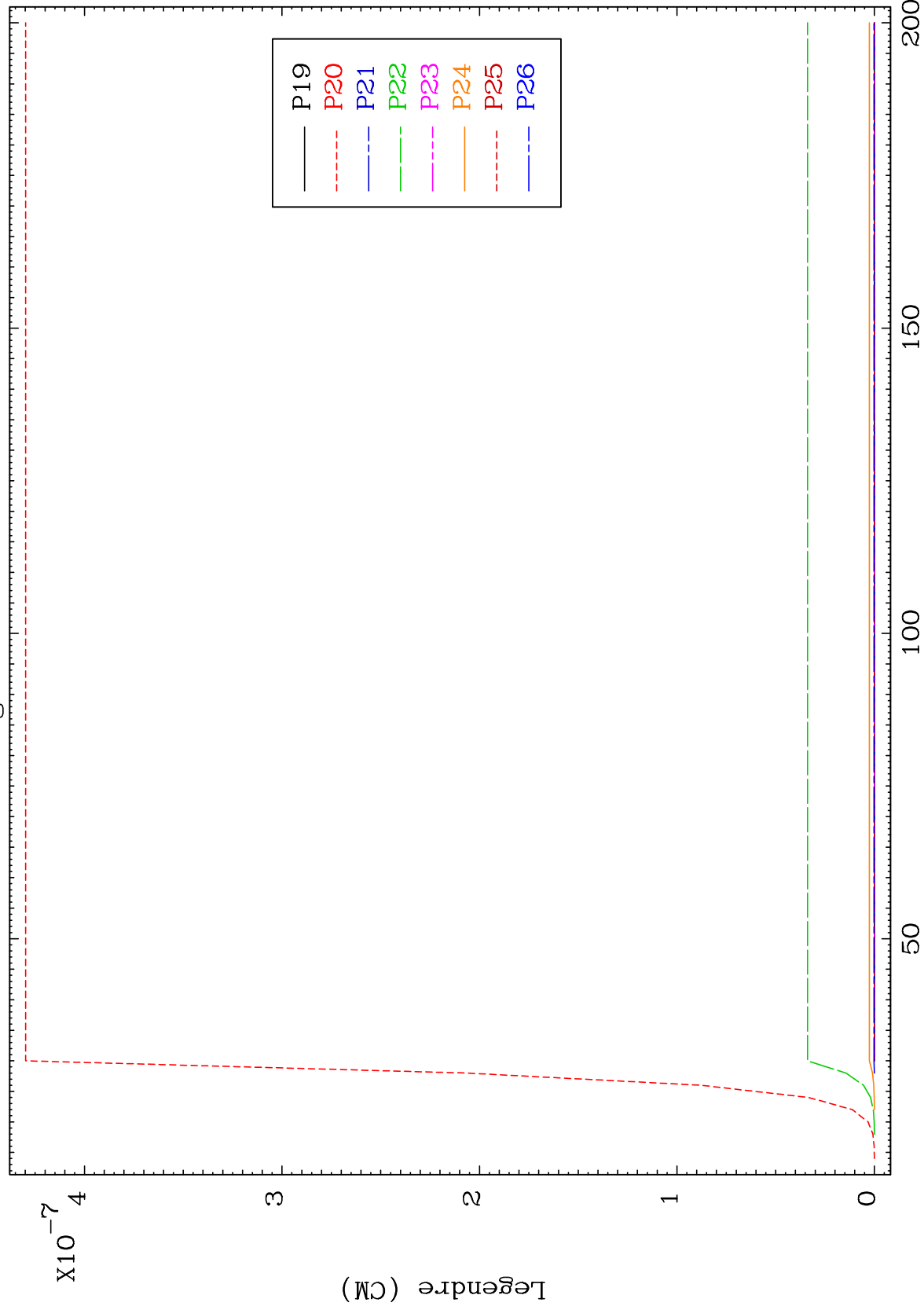
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



43

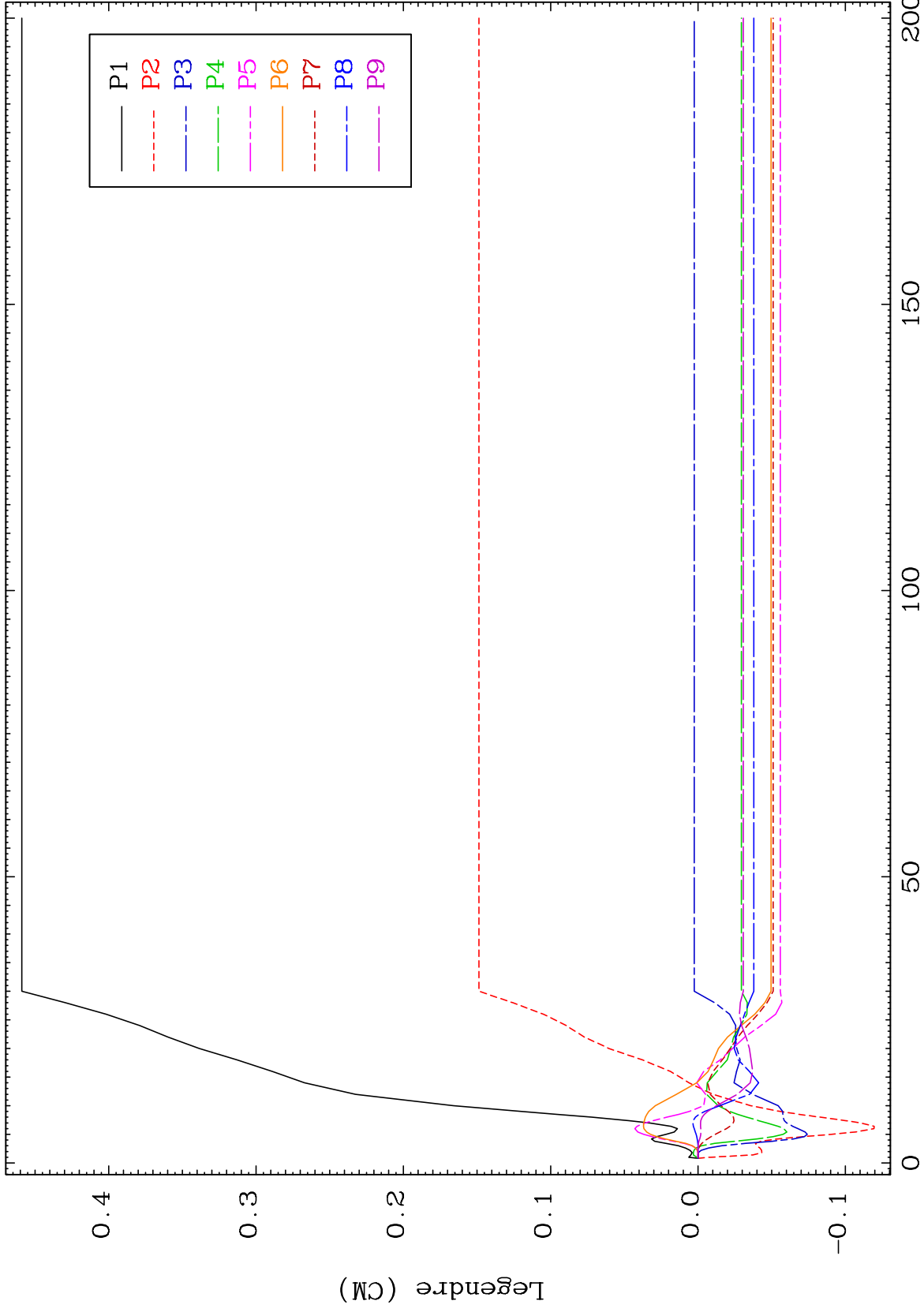
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



44

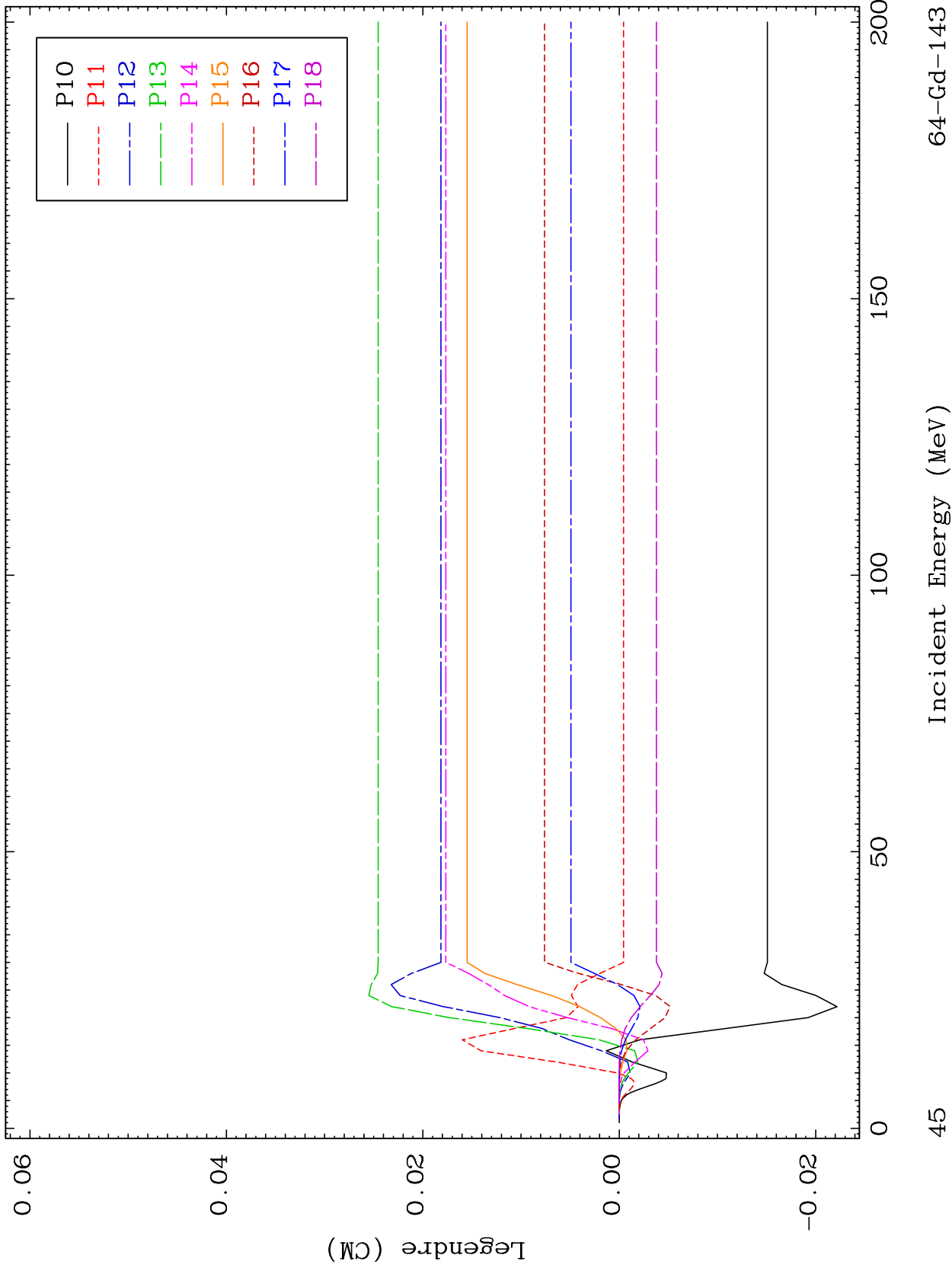
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

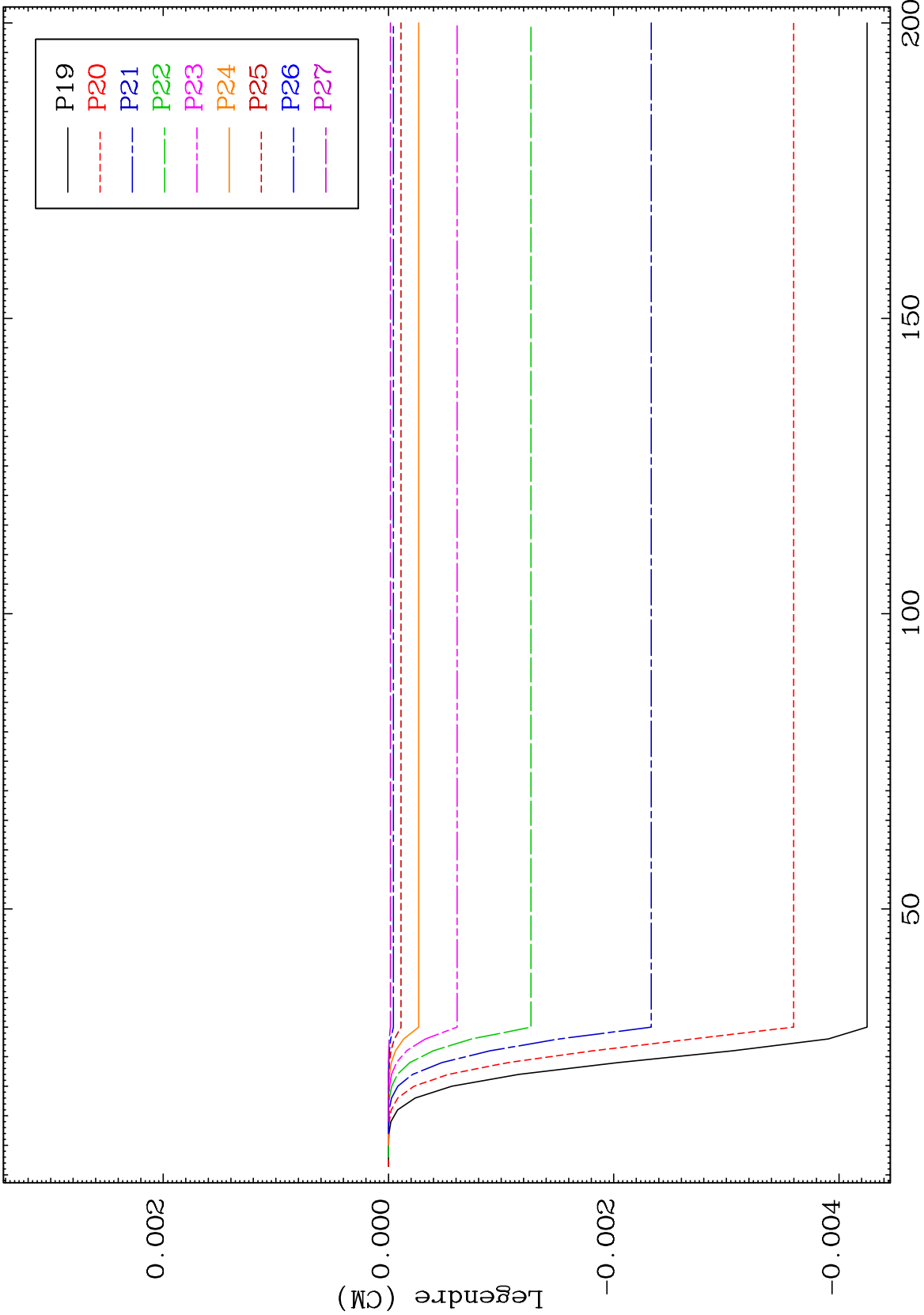
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MAT 6398

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

64-Gd-143



46

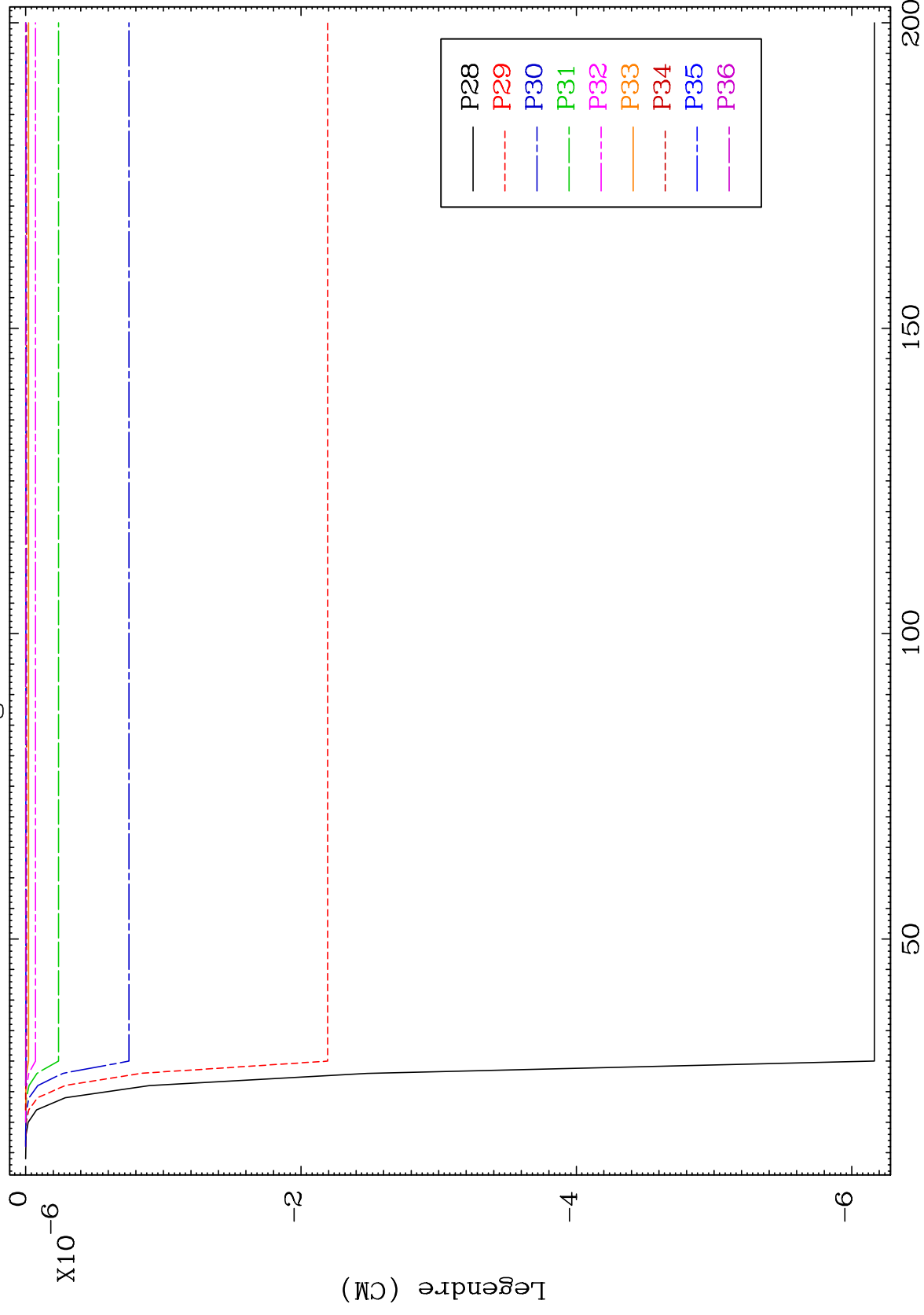
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



47

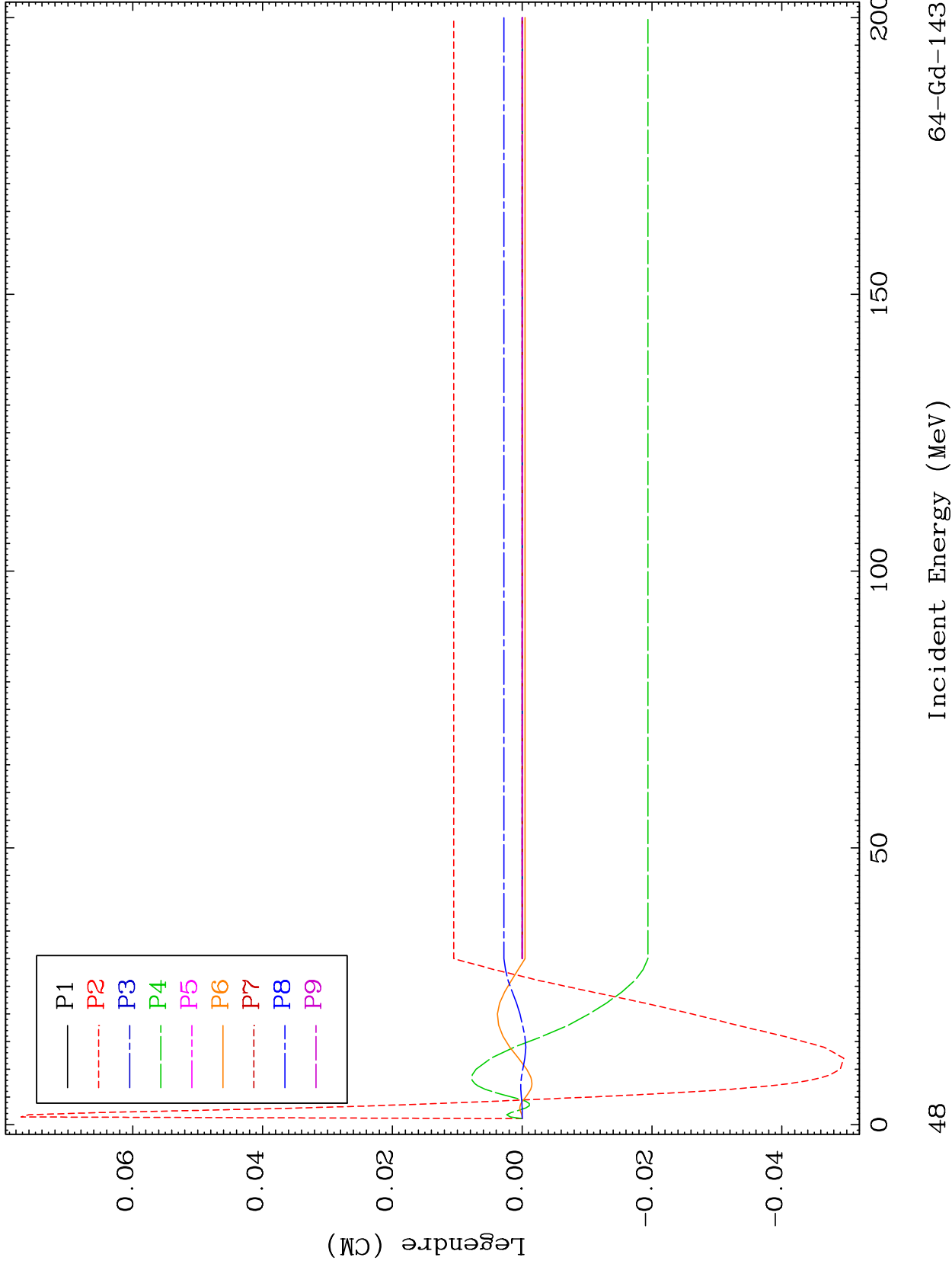
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



64-Gd-143

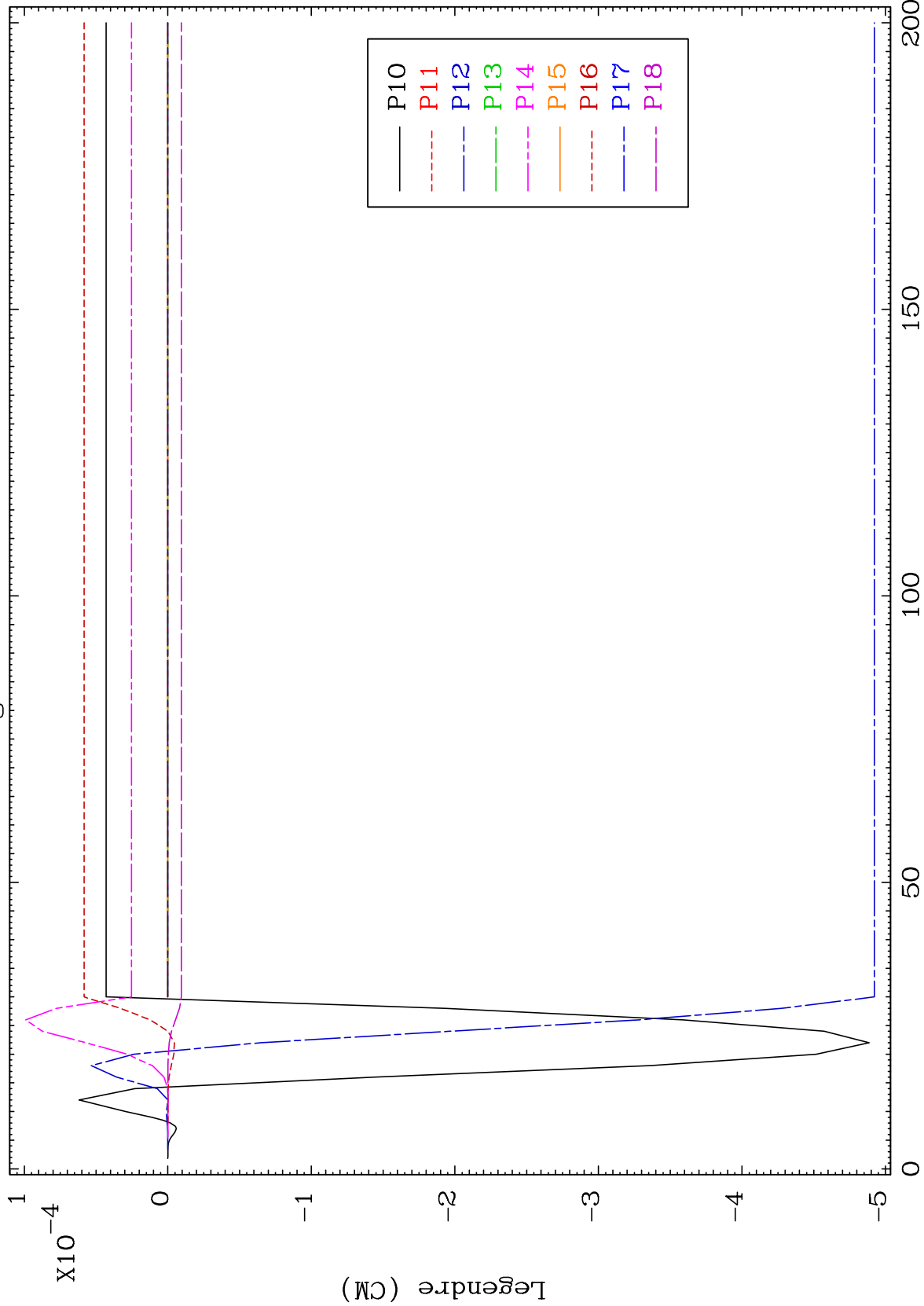
Incident Energy (MeV)

48

MAT 6398

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

64-Gd-143



49

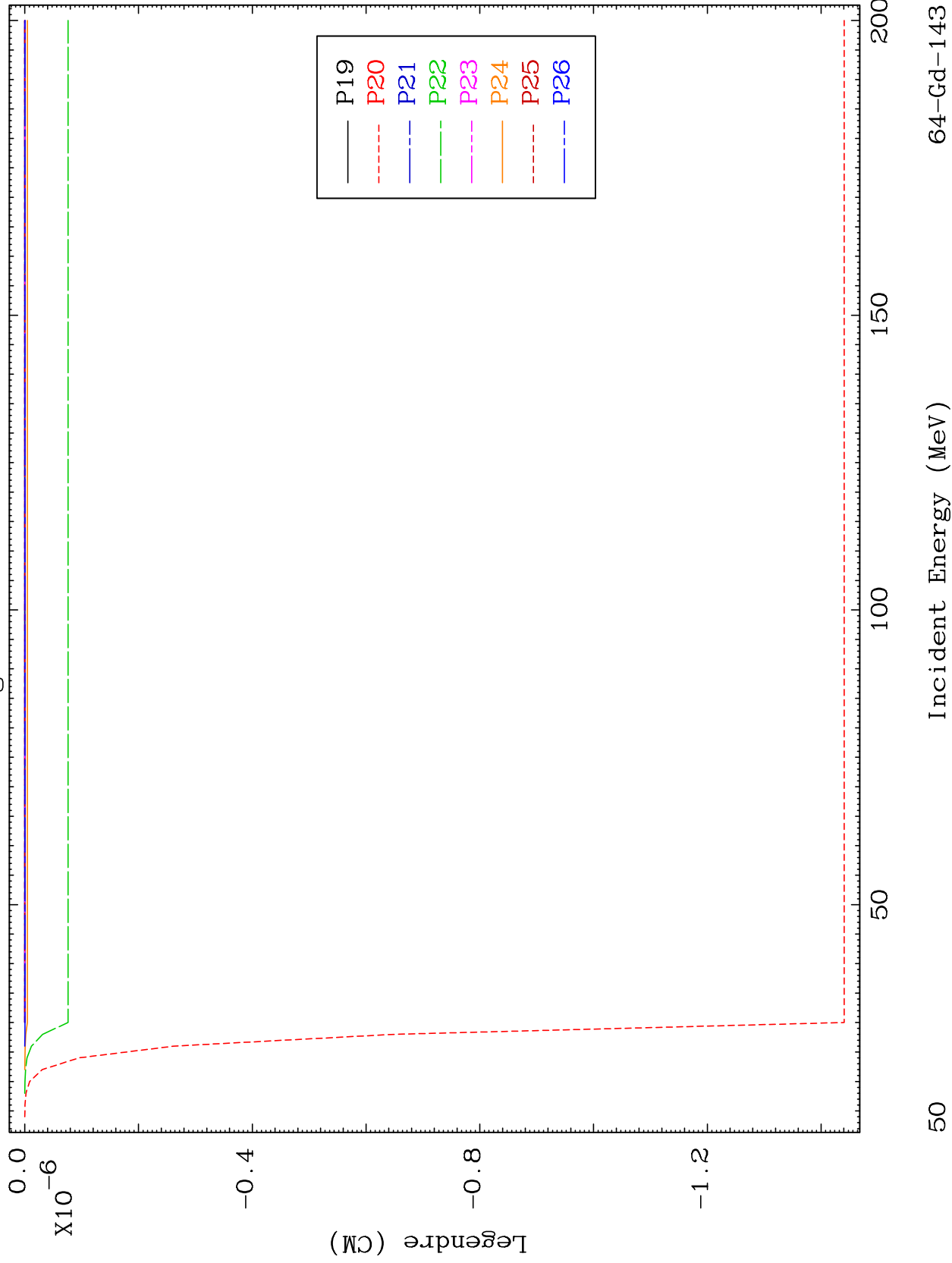
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



64-Gd-143

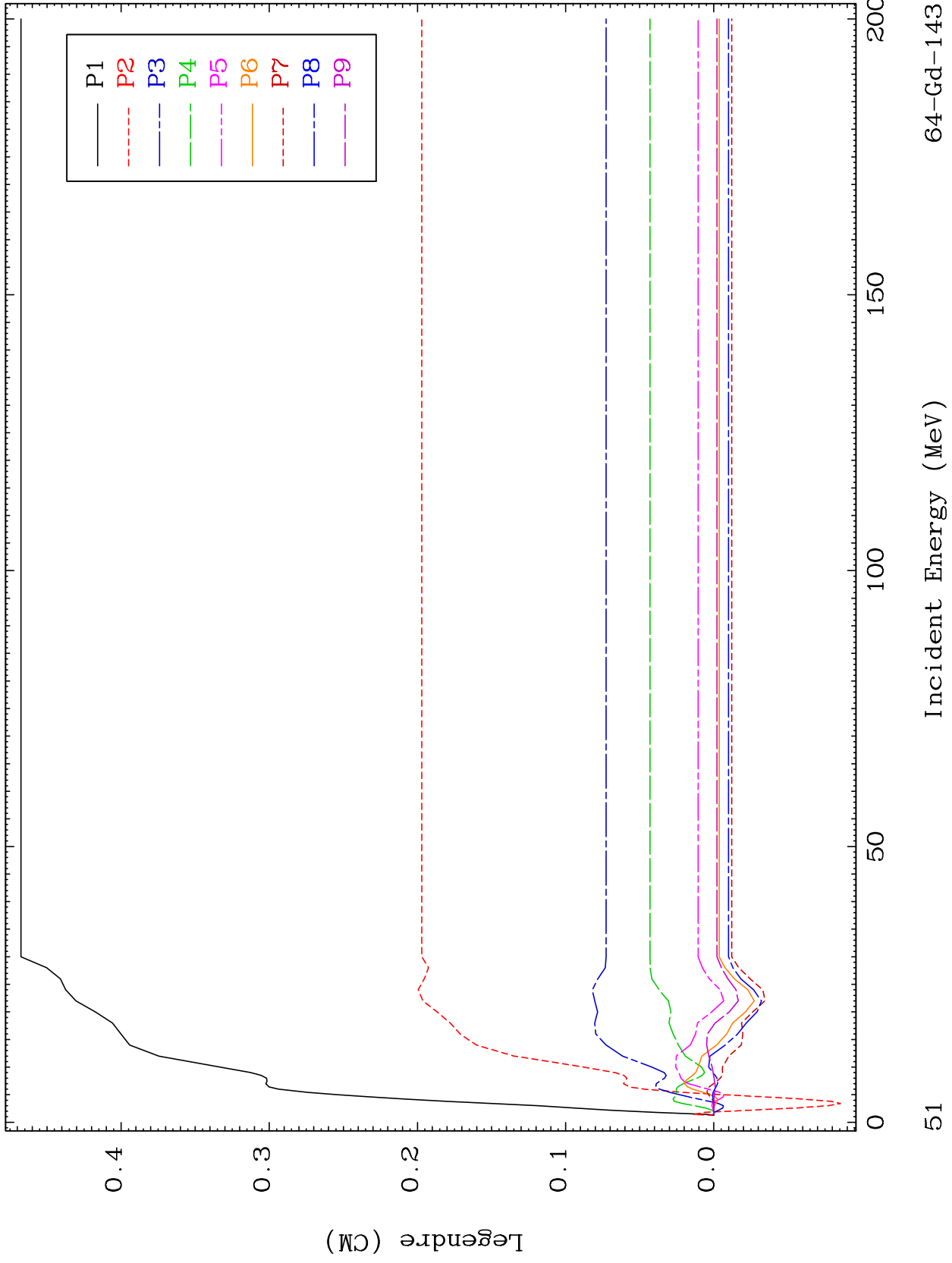
Incident Energy (MeV)

50

MAT 6398

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

64-Gd-143



64-Gd-143

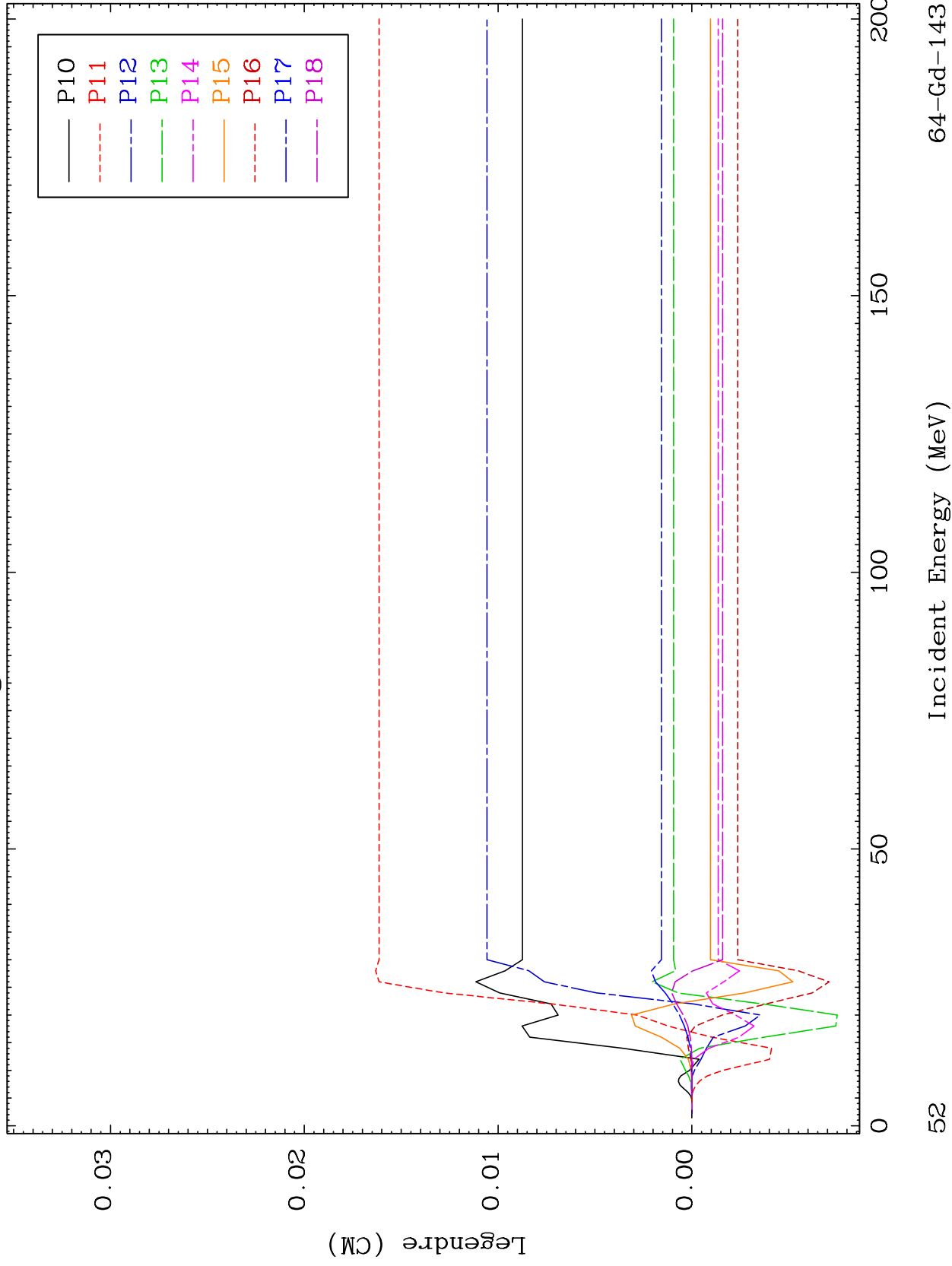
Incident Energy (MeV)

51

MAT 6398

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

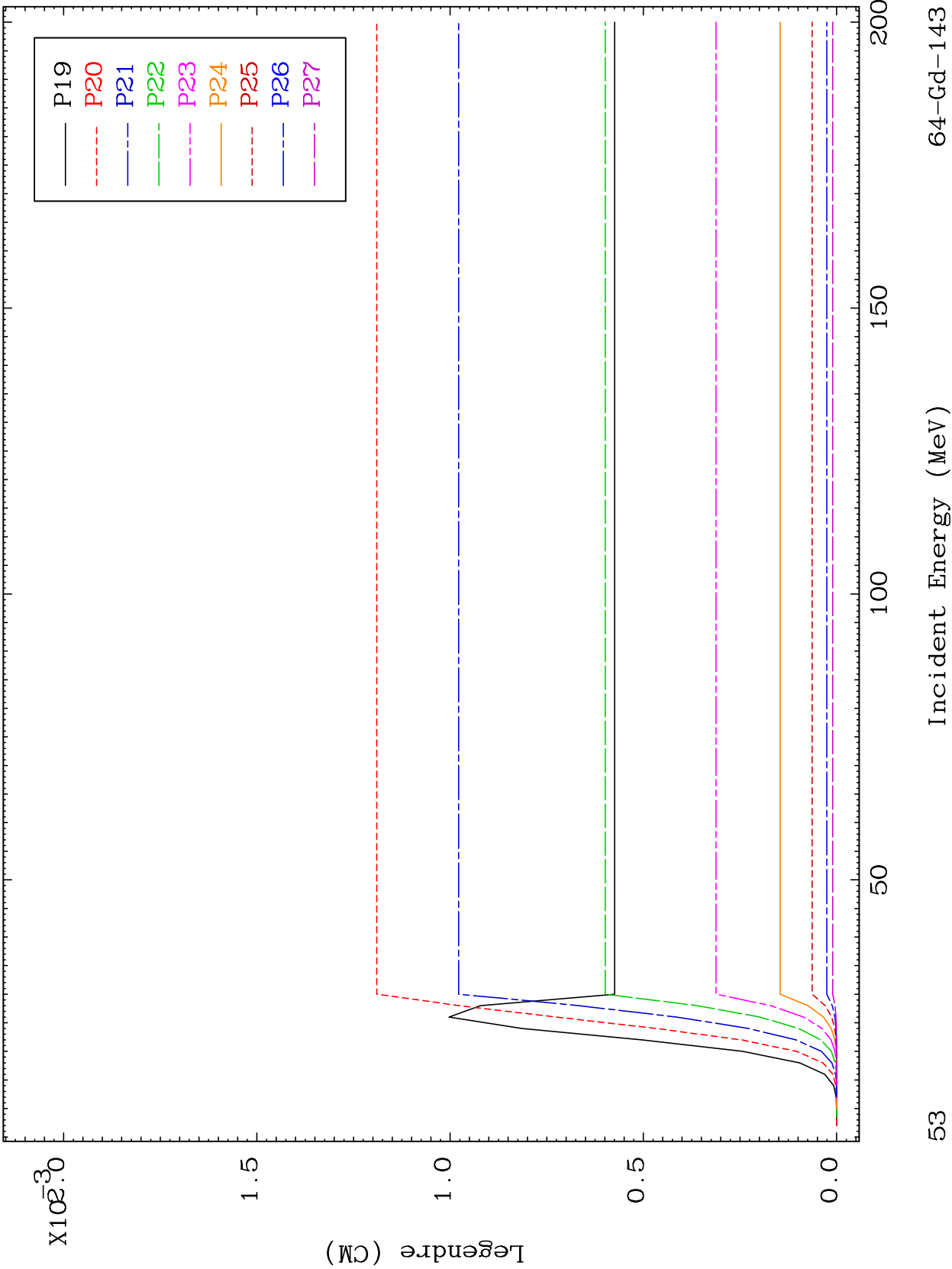
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64-Gd-143

Incident Energy (MeV)

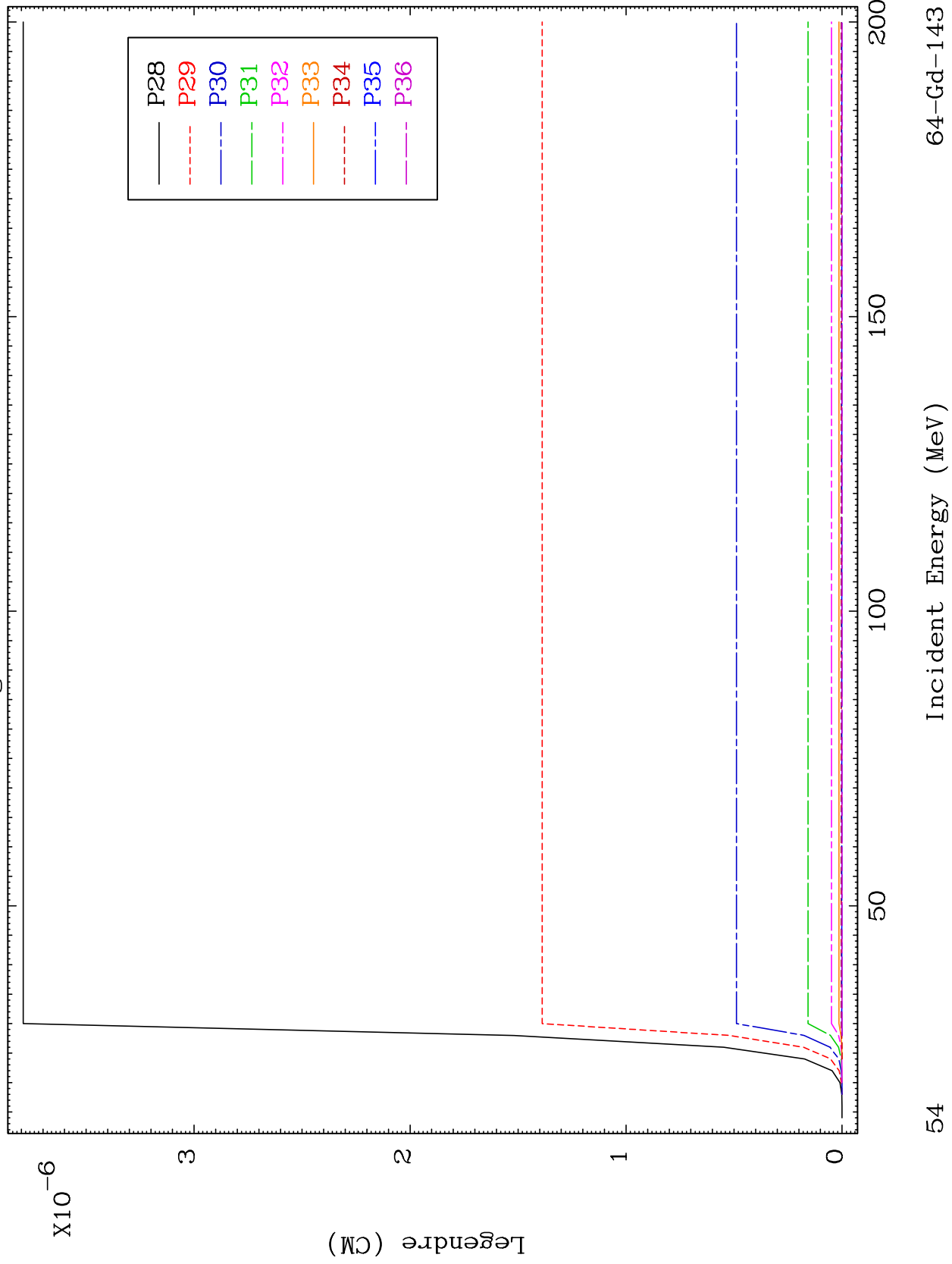
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MAT 6398

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

64-Gd-143



54

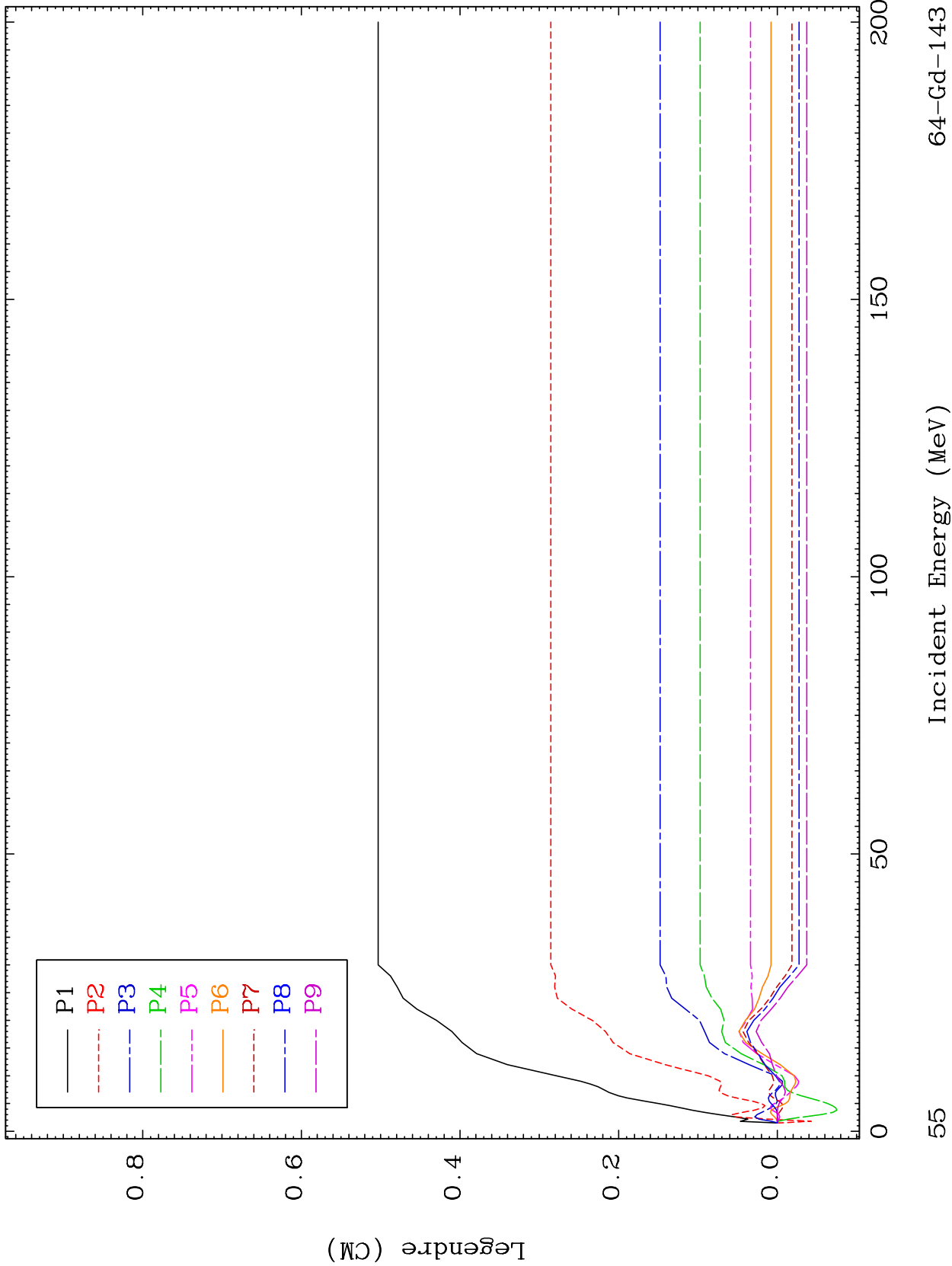
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143

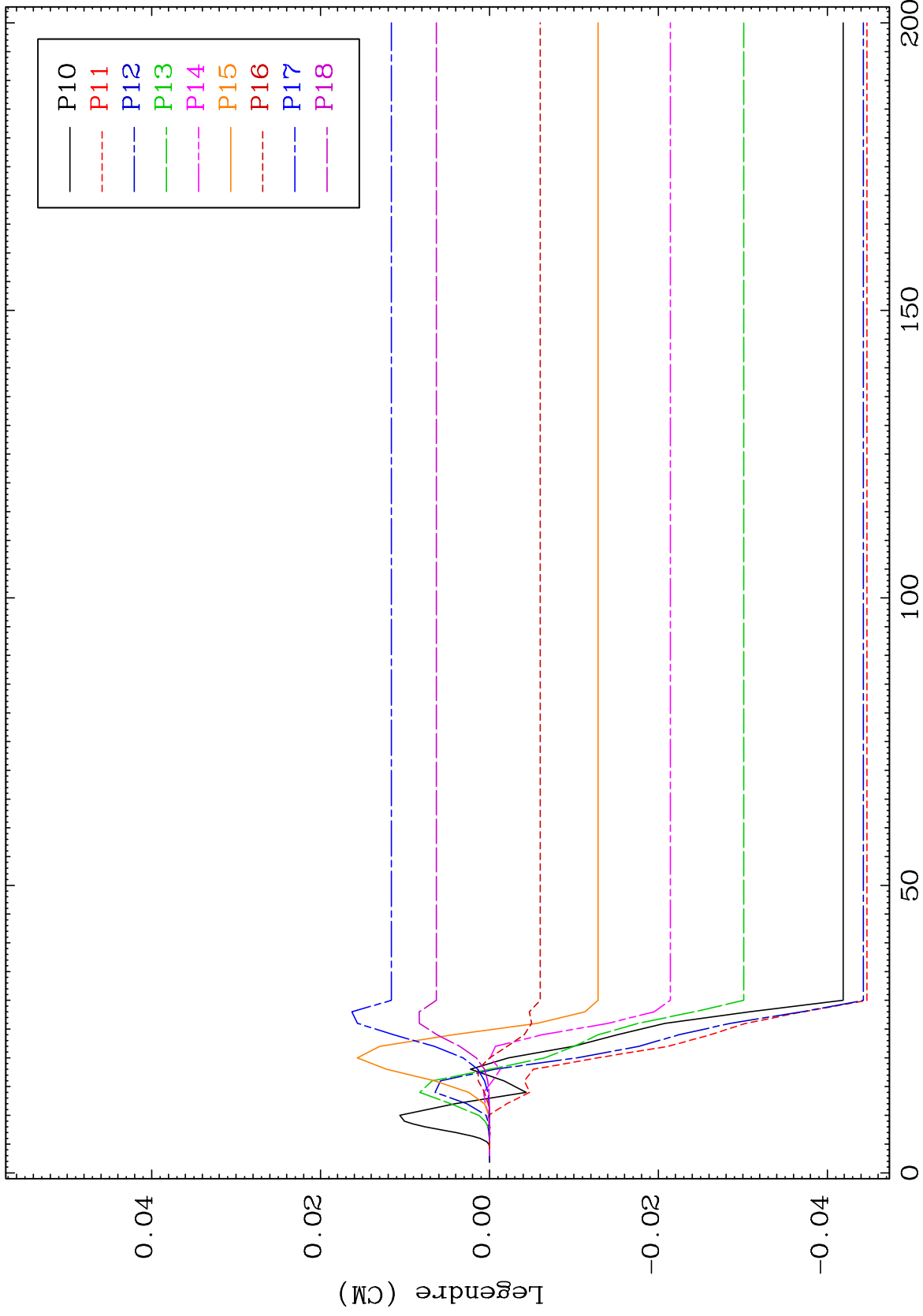


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MAT 6398

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

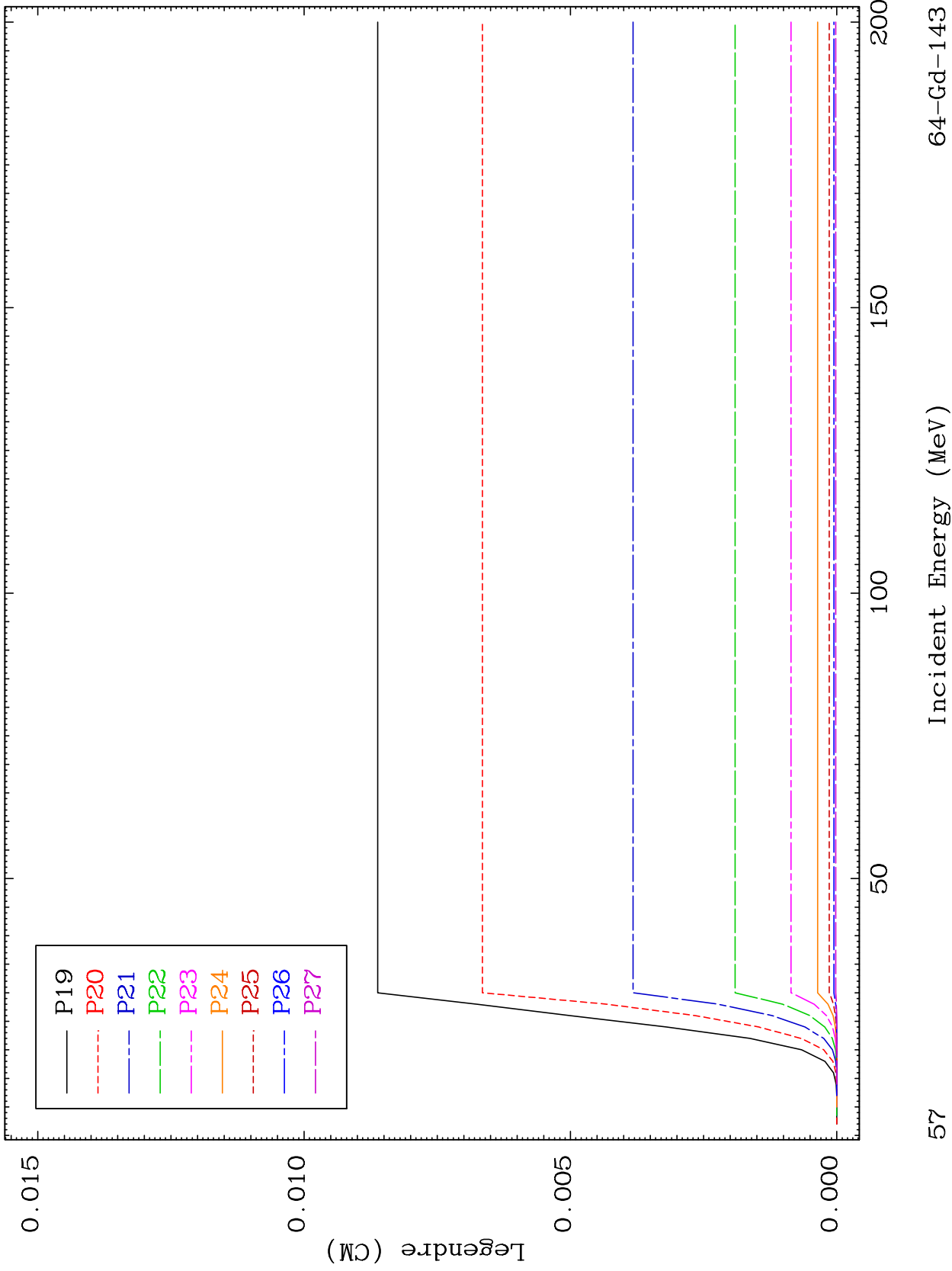
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56

Incident Energy (MeV)

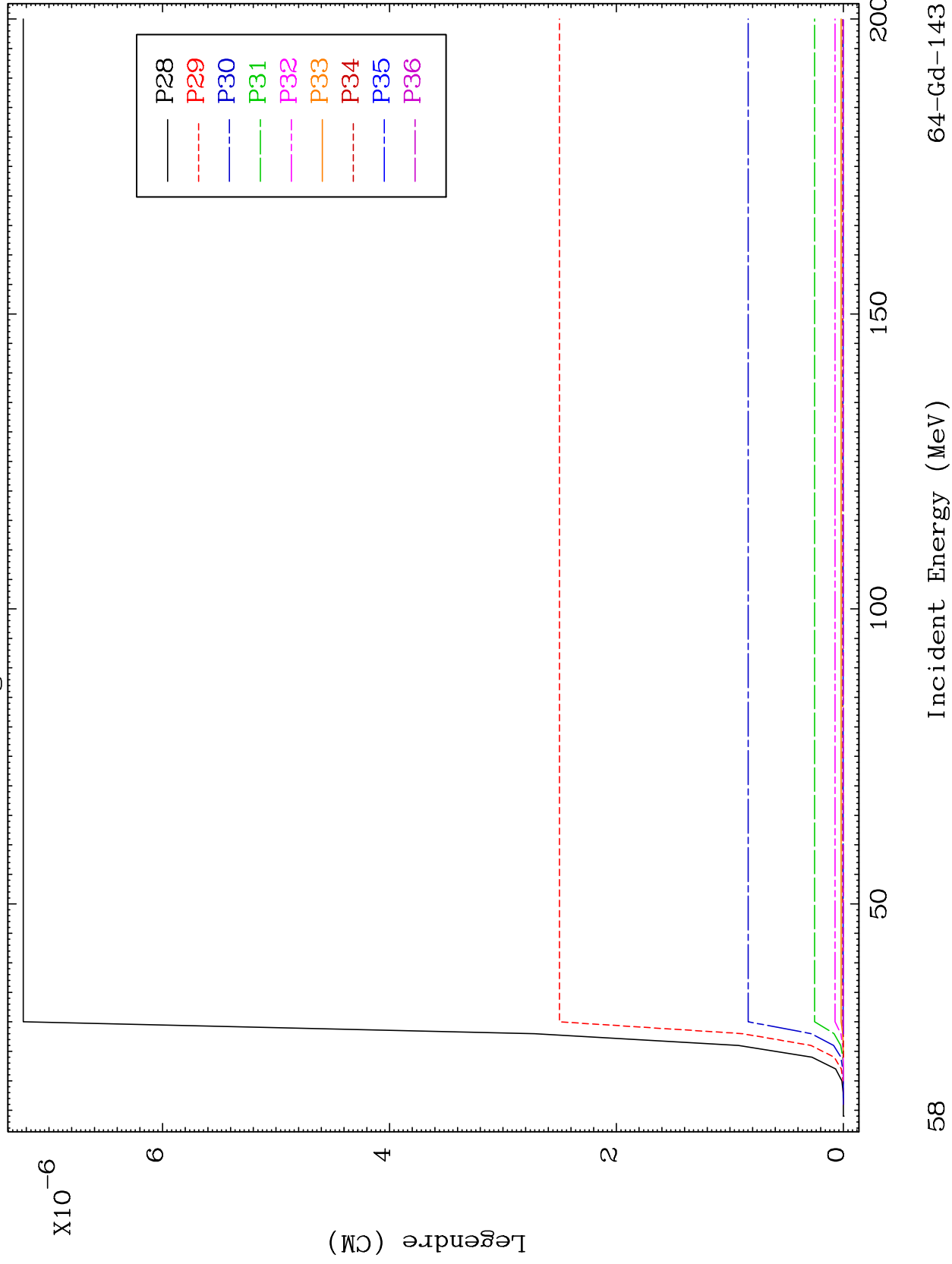
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MAT 6398

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

64-Gd-143



58

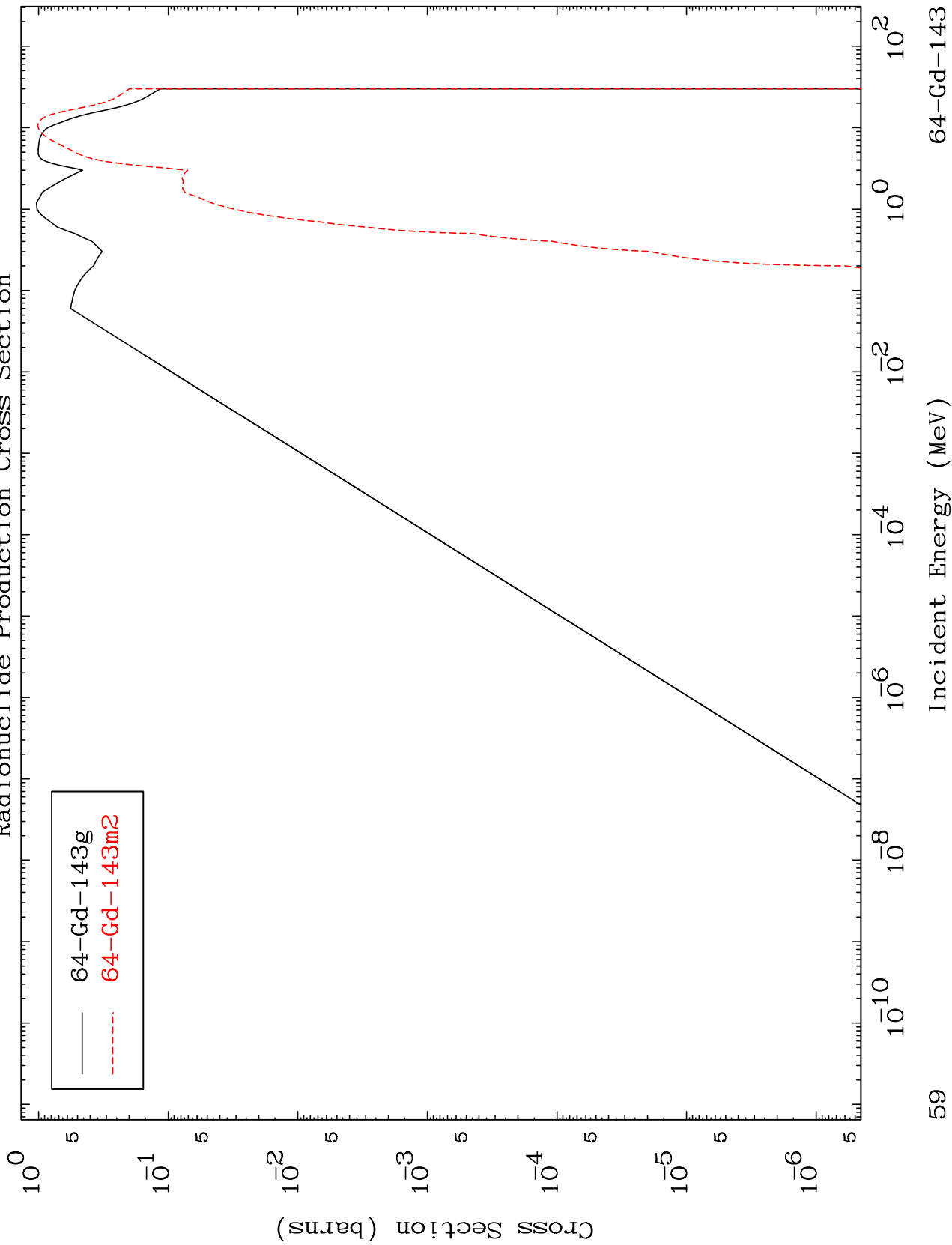
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

Inelastic
Radionuclide Production Cross Section



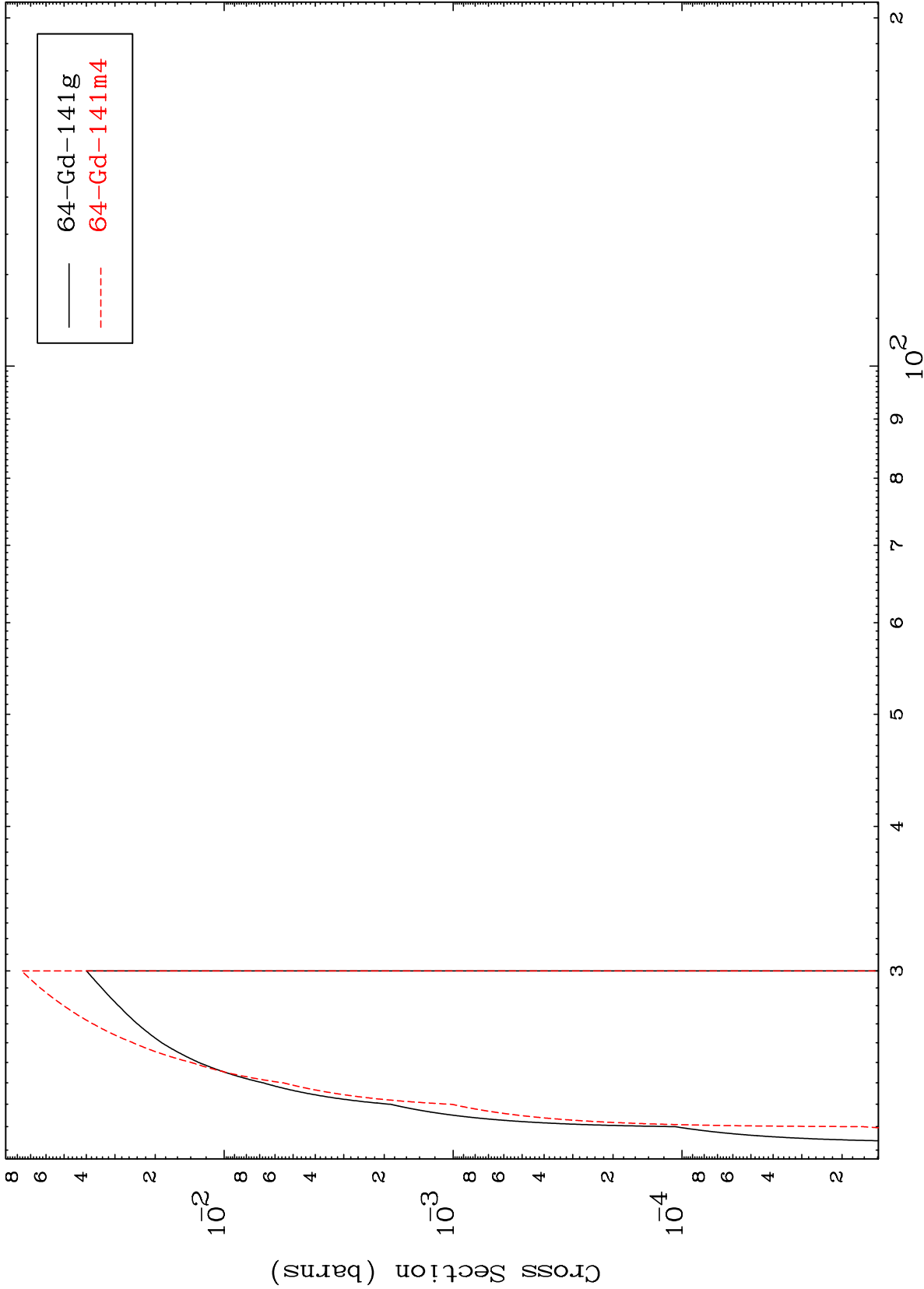
64-Gd-143g
64-Gd-143m2

MAT 6398

(n,3n)

64-Gd-143

Radionuclide Production Cross Section



64-Gd-141g
64-Gd-141m4

60

Incident Energy (MeV)

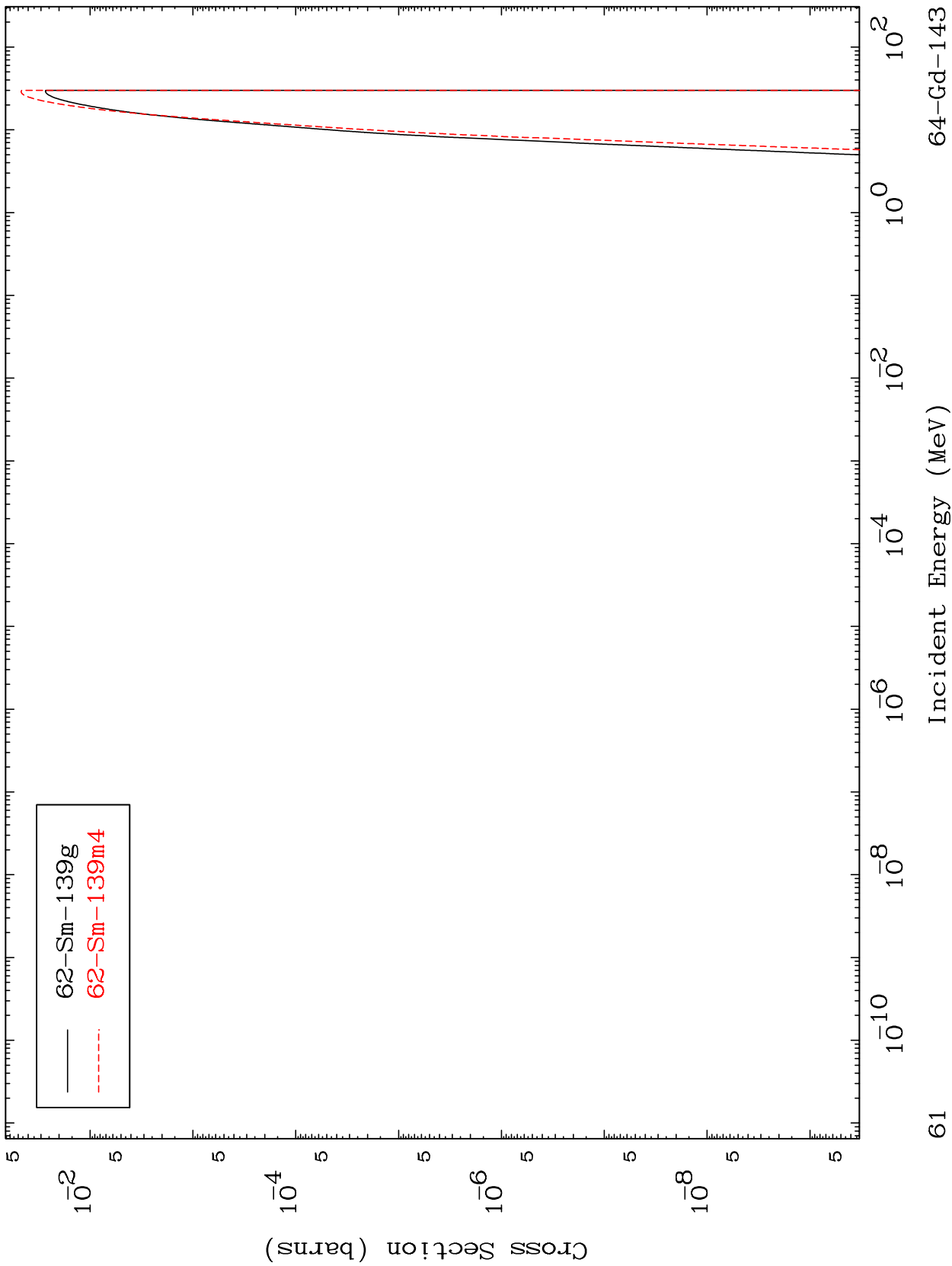
64-Gd-143

MAT 6398

(n, n') α

64-Gd-143

Radionuclide Production Cross Section



61

Incident Energy (MeV)

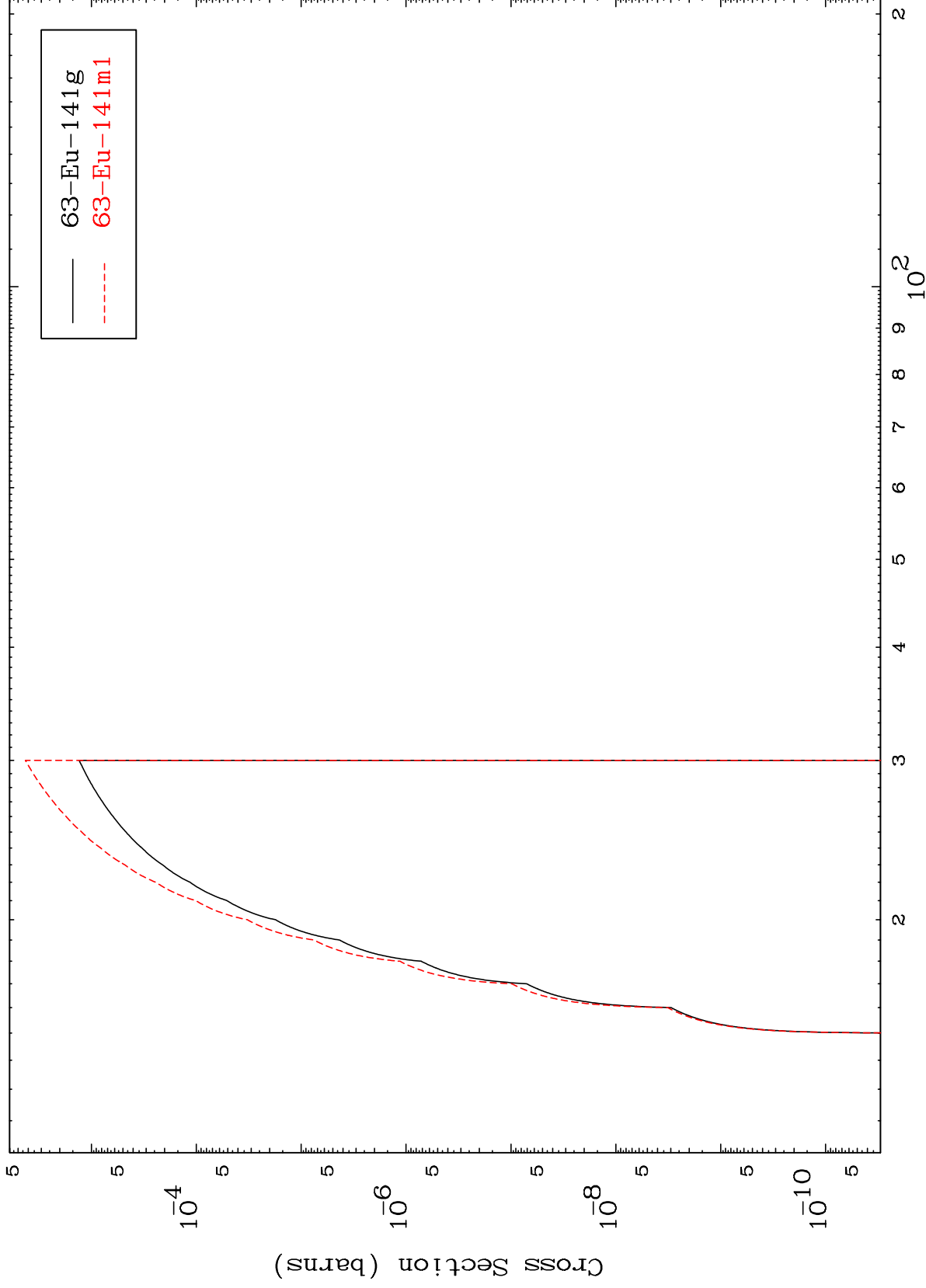
64-Gd-143

MAT 6398

(n,n') d

64-Gd-143

Radionuclide Production Cross Section



62

Incident Energy (MeV)

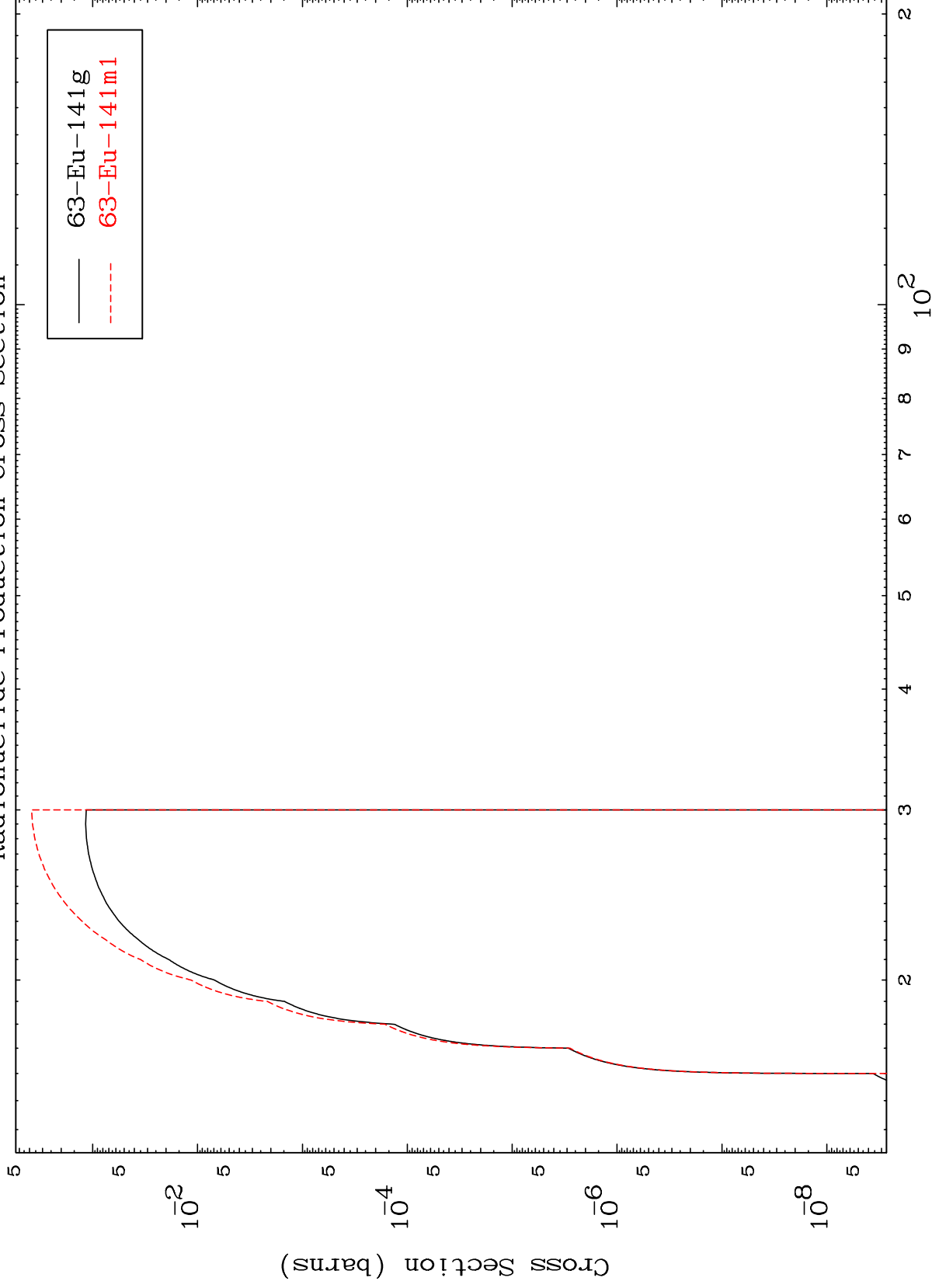
64-Gd-143

MAT 6398

(n,2n) p

64-Gd-143

Radionuclide Production Cross Section



63

Incident Energy (MeV)

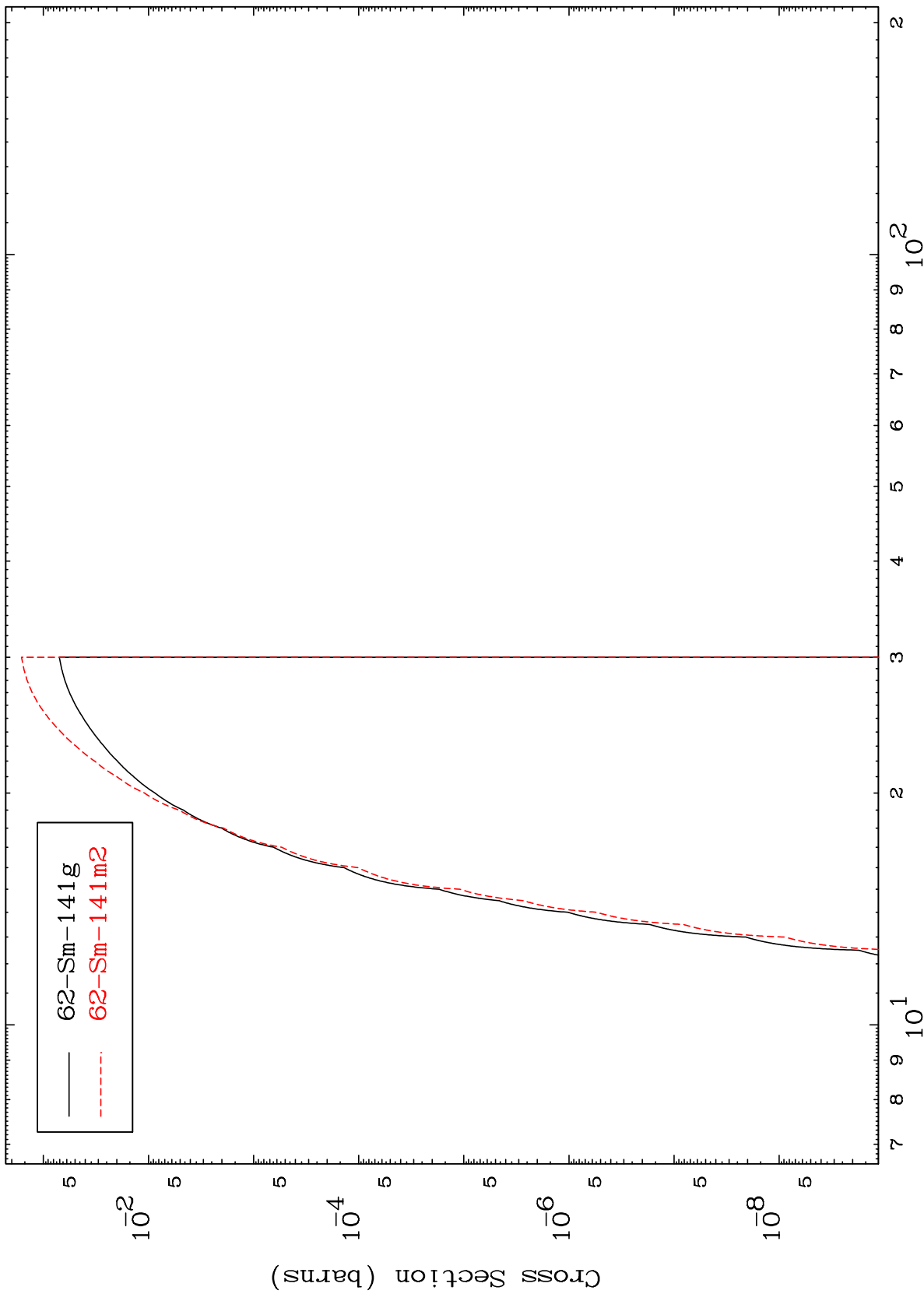
64-Gd-143

MAT 6398

(n,2n) p

64-Gd-143

Radionuclide Production Cross Section



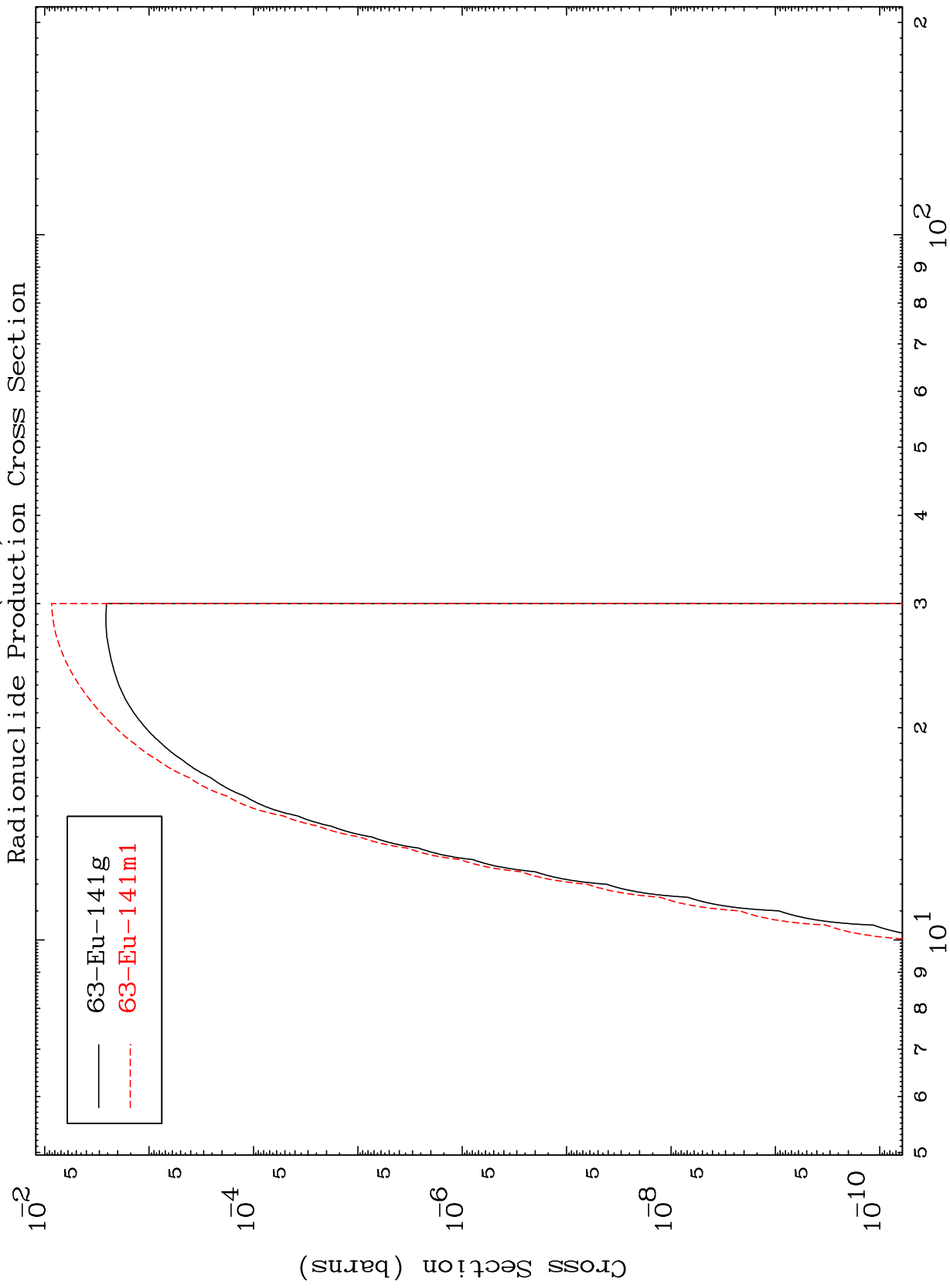
64

Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143



65

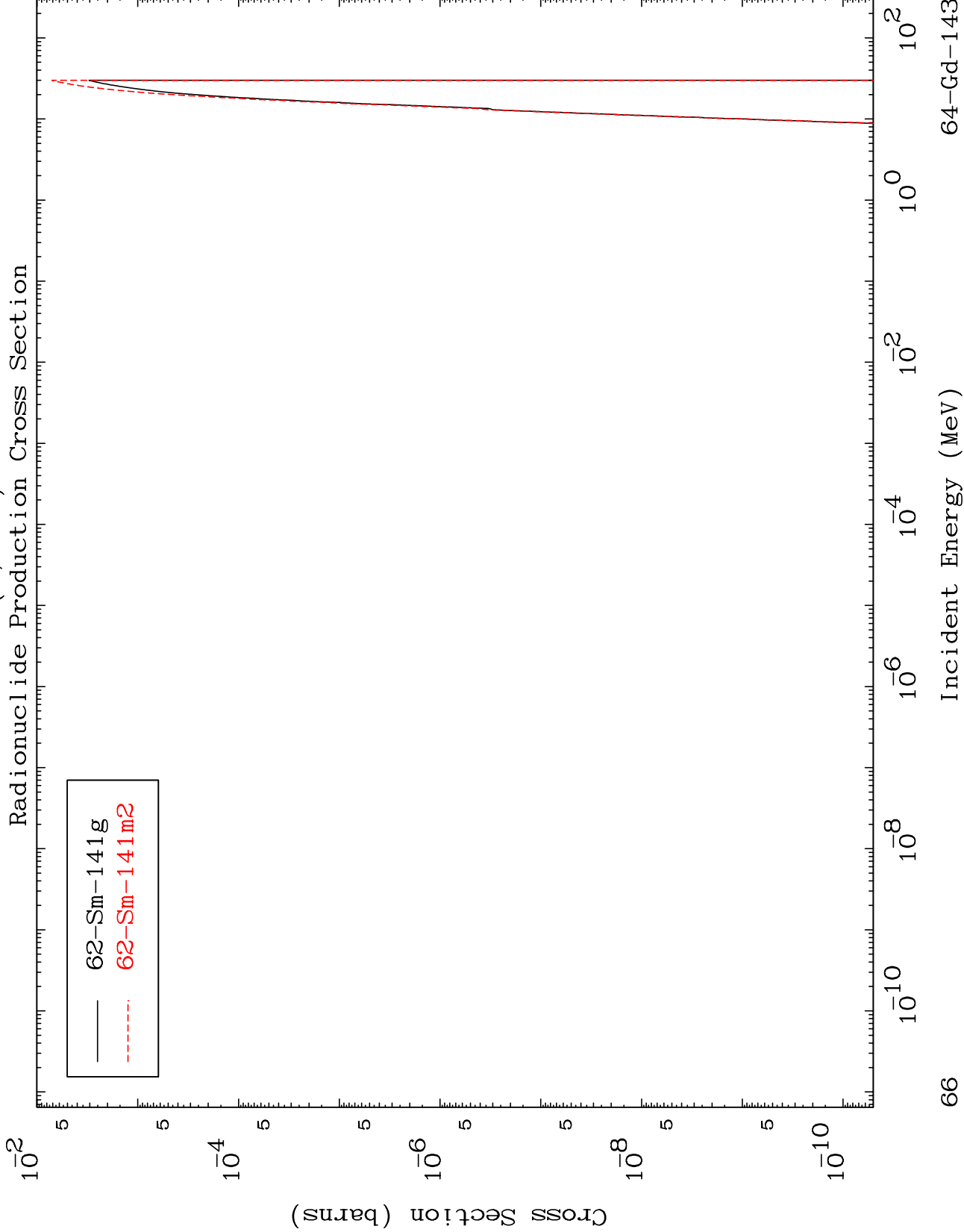
64-Gd-143

MAT 6398

(n,He-3)

64-Gd-143

Radionuclide Production Cross Section



62-Sm-141g
62-Sm-141m2

66

Incident Energy (MeV)

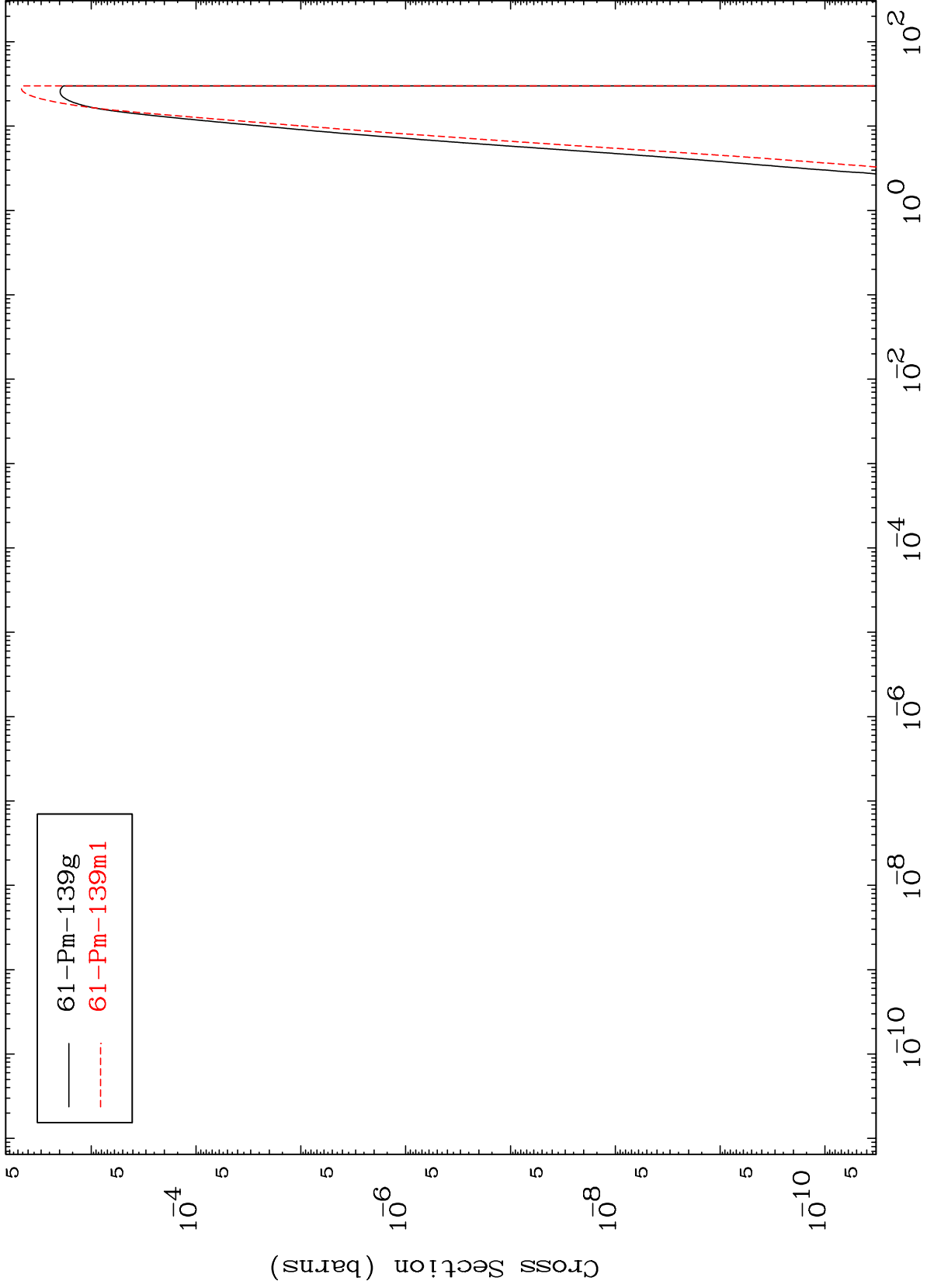
64-Gd-143

MAT 6398

(n,p) α

64-Gd-143

Radionuclide Production Cross Section



67

Incident Energy (MeV)

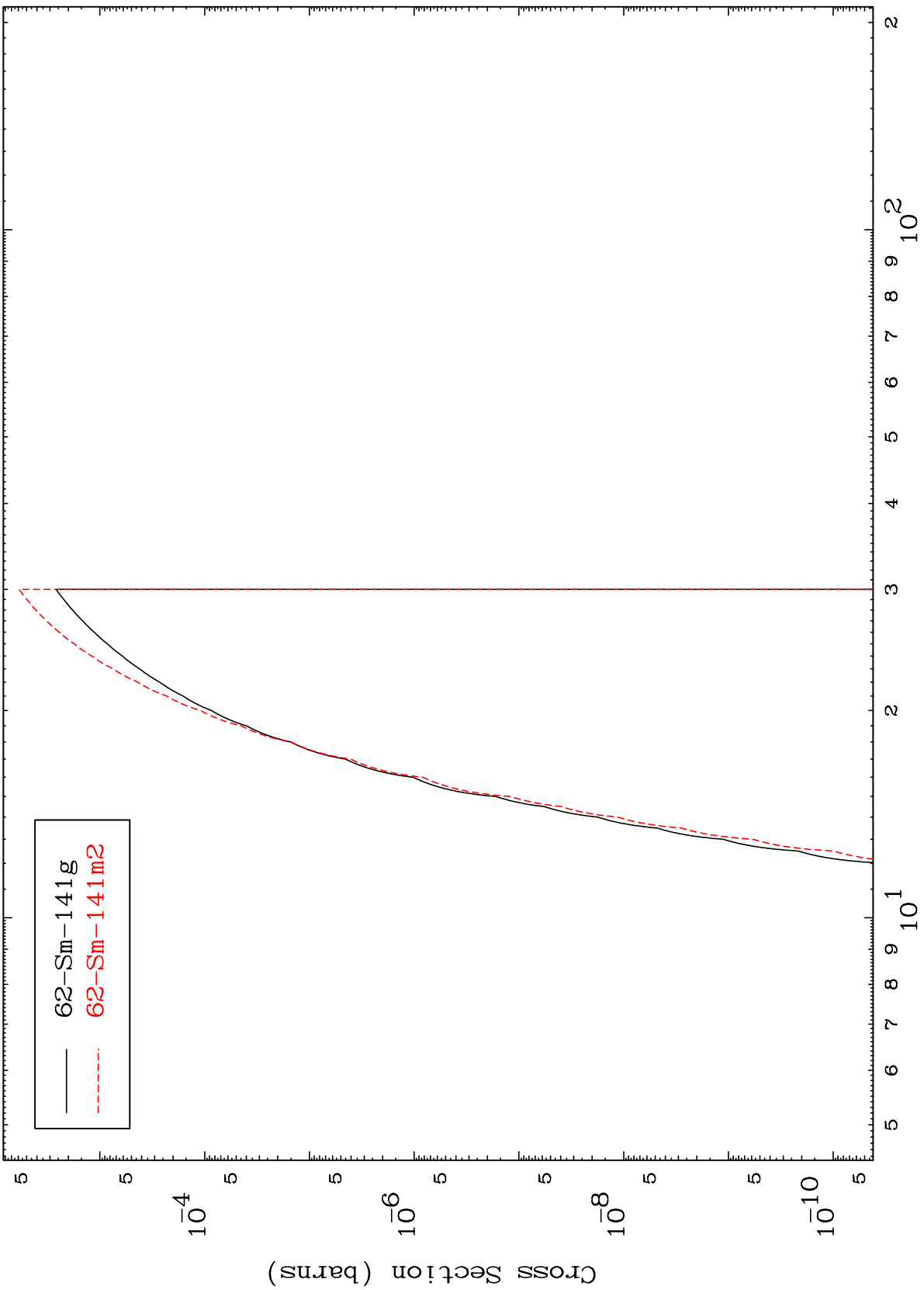
64-Gd-143

MAT 6398

(n,p) d

64-Gd-143

Radionuclide Production Cross Section



62-Sm-141g
62-Sm-141m2

68

Incident Energy (MeV)

64-Gd-143