

Program EVALPLOT  
(Version 2015-2)

by

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(Present Contact Information)

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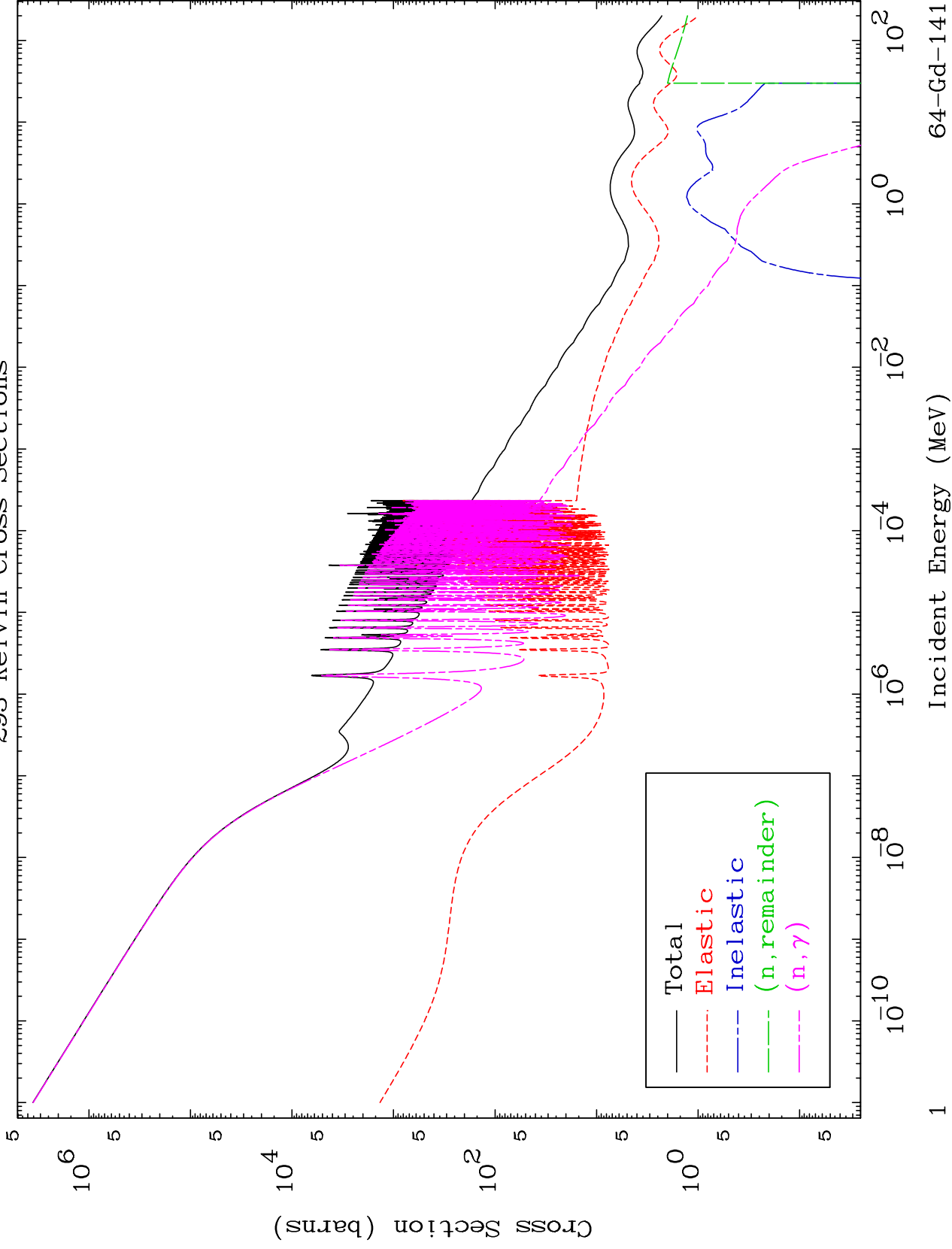
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6392

Major  
293 Kelvin Cross Sections

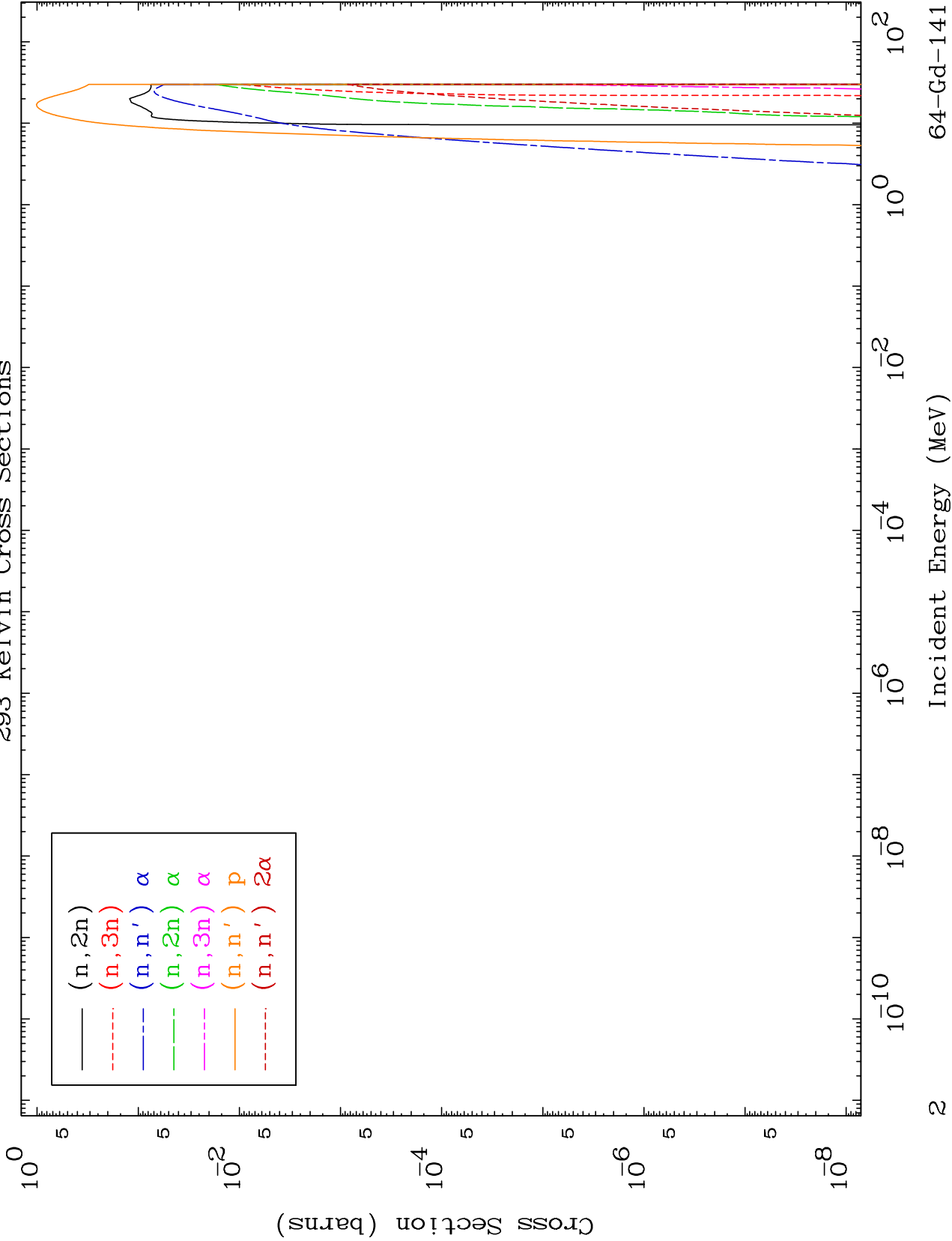
64-Gd-141

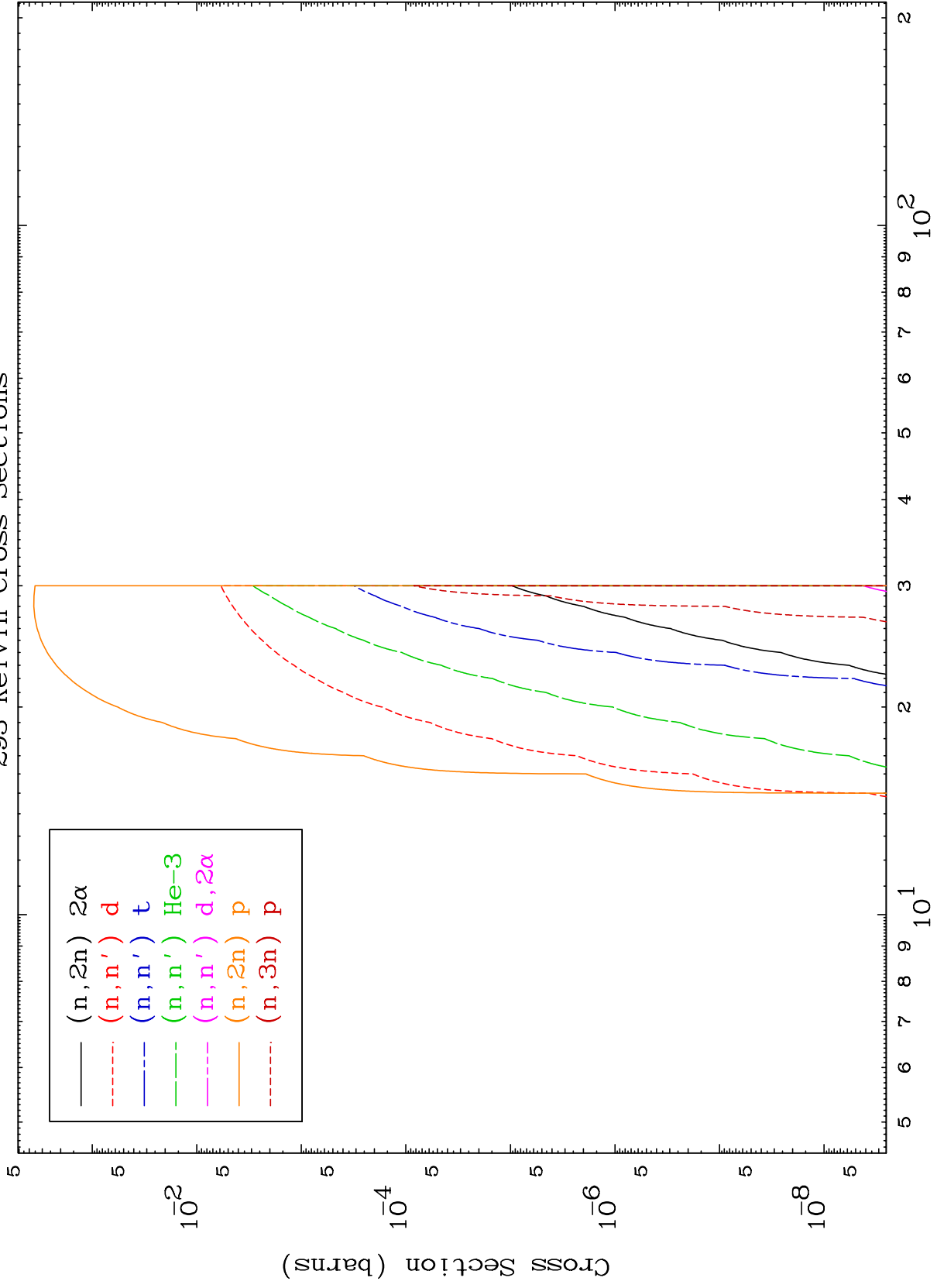


MAT 6392

Neutron Production  
293 Kelvin Cross Sections

64-Gd-141

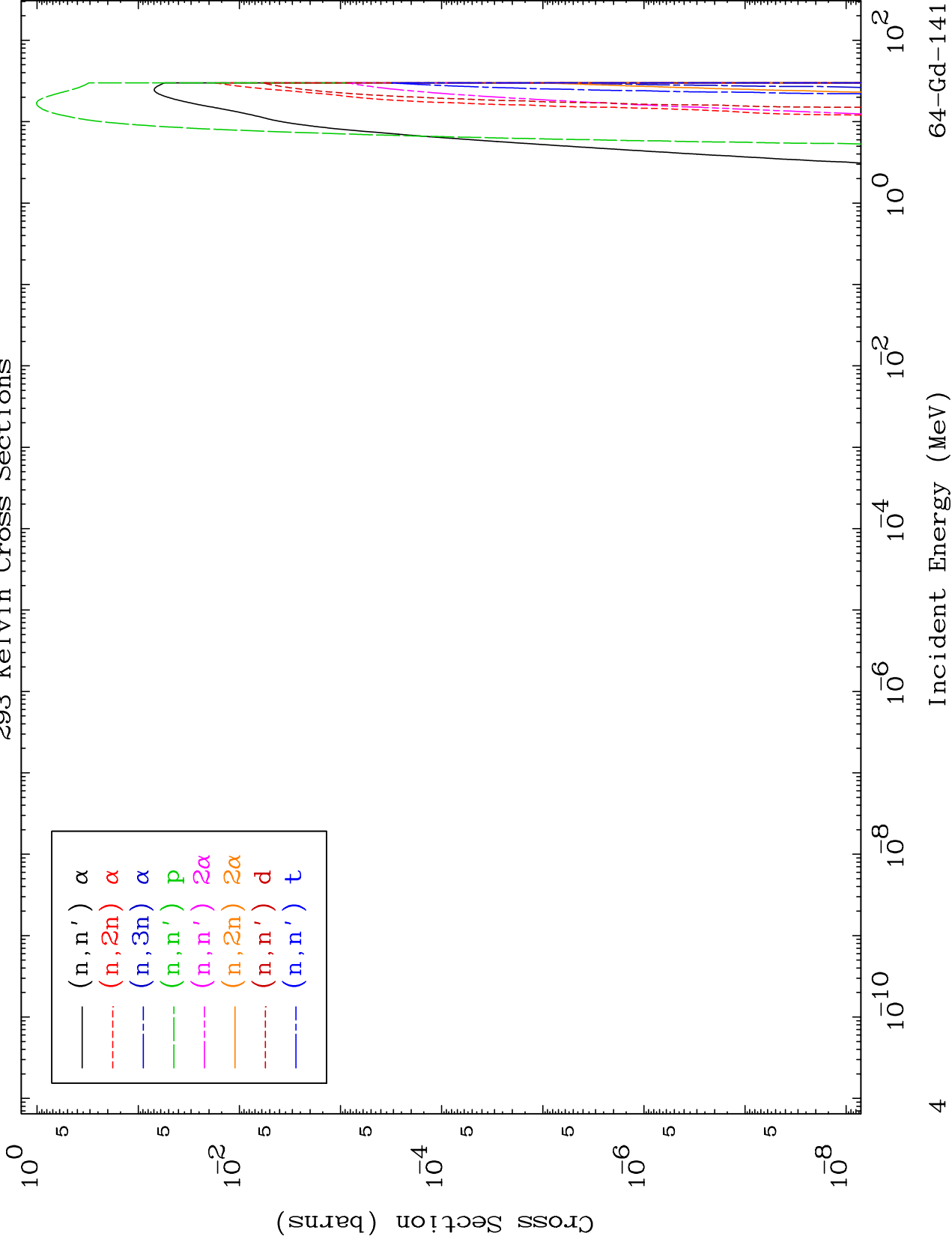


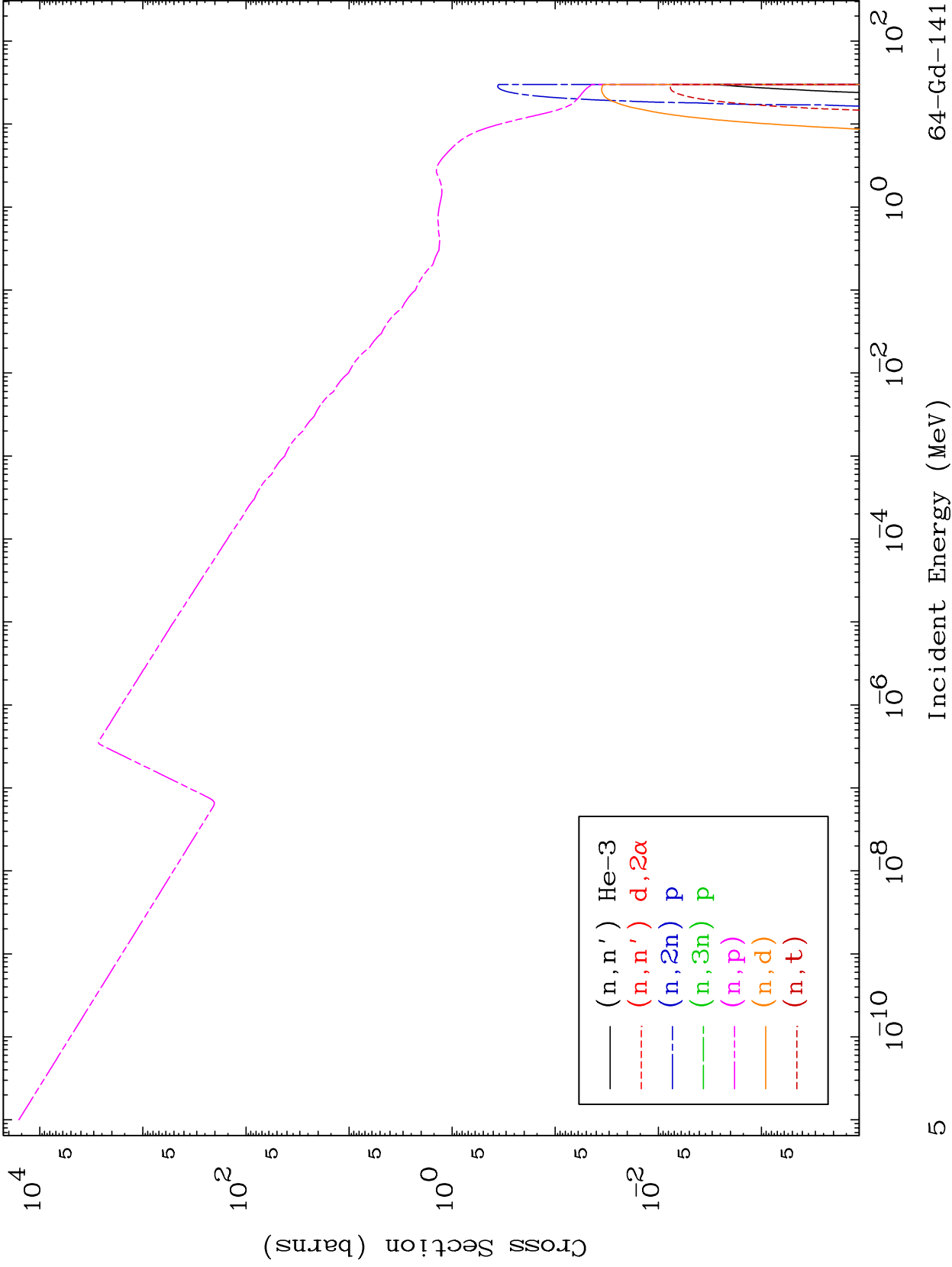


MAT 6392

Charged Particle  
293 Kelvin Cross Sections

64-Gd-141

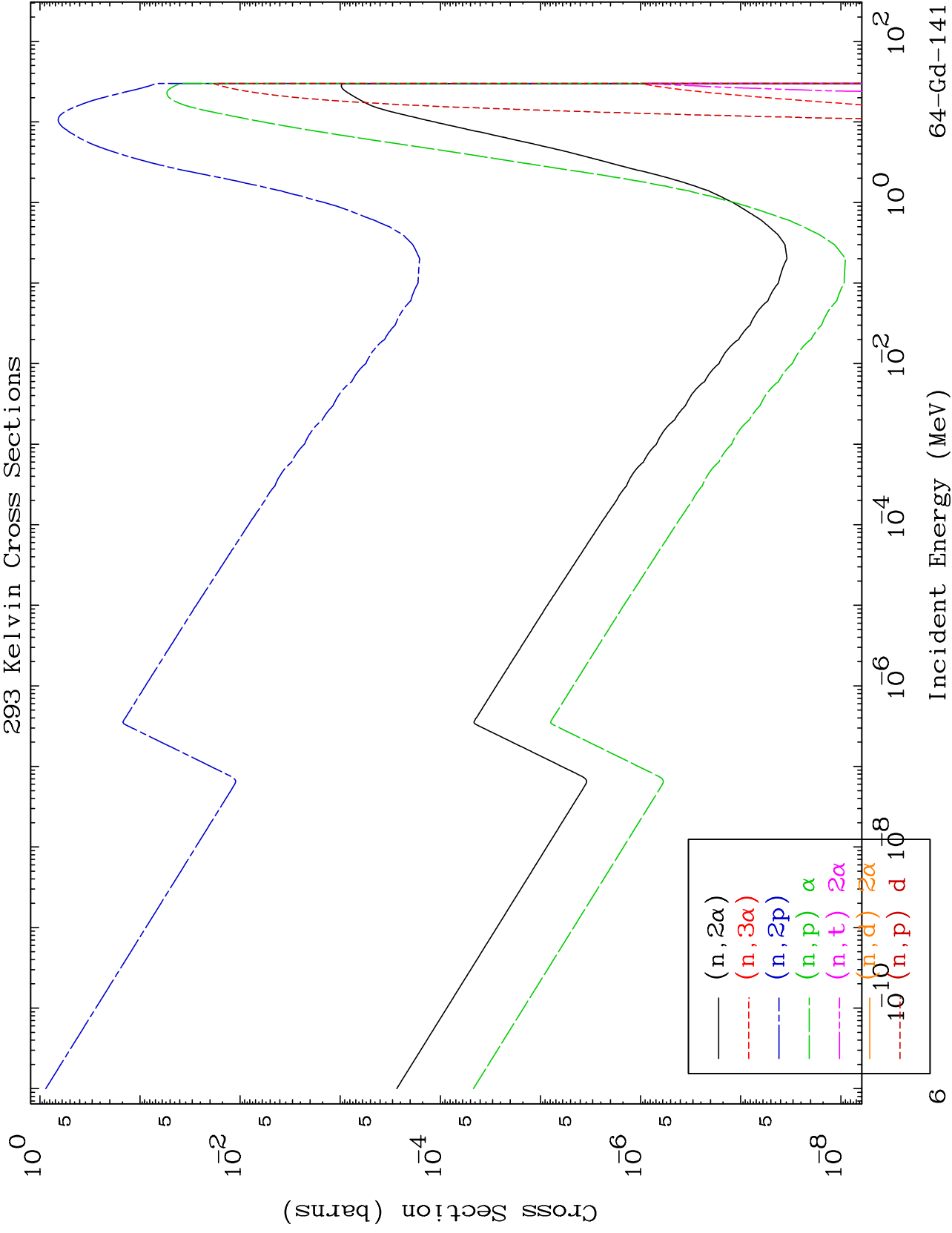




MAT 6392

Charged Particle  
293 Kelvin Cross Sections

64-Gd-141

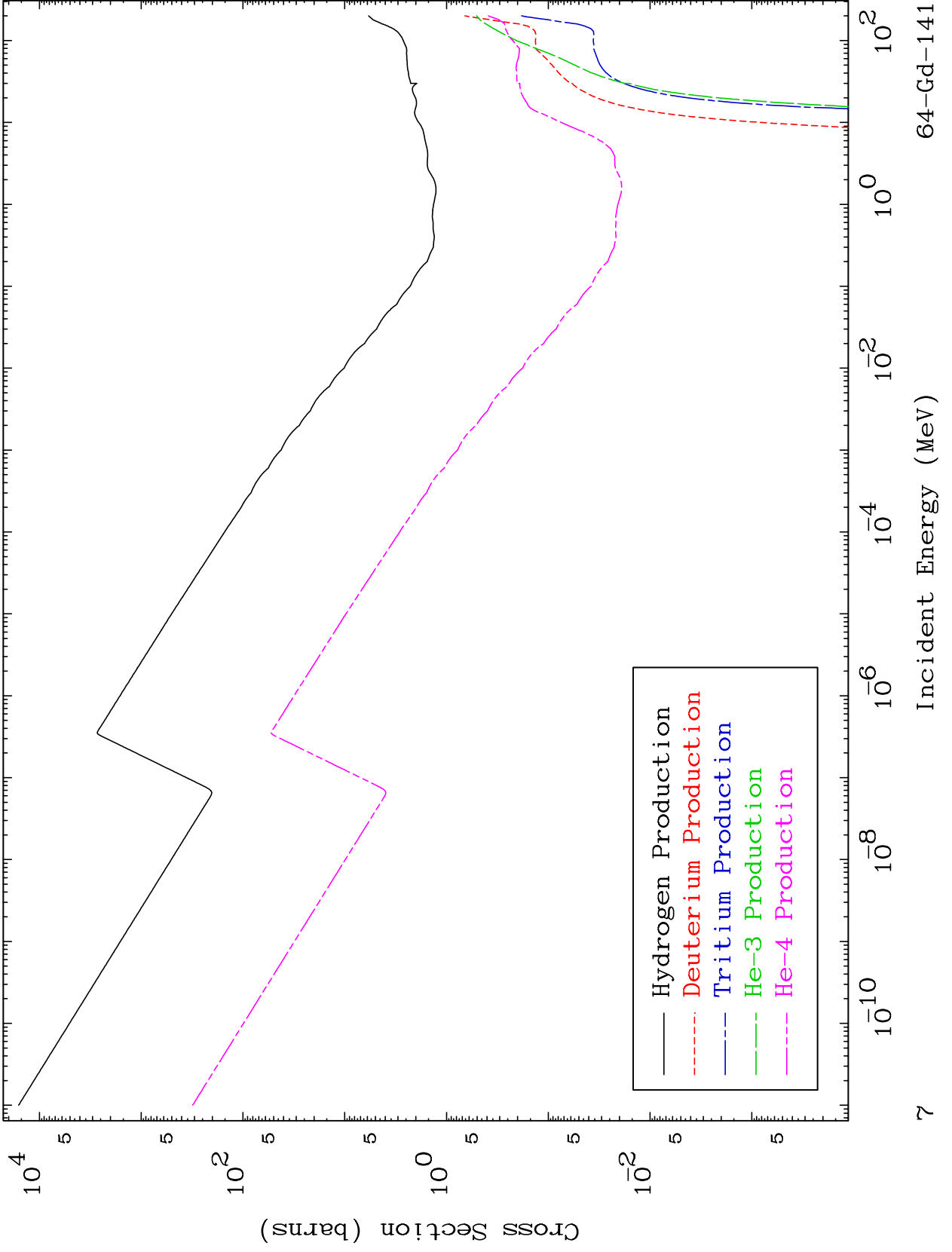


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MAT 6392

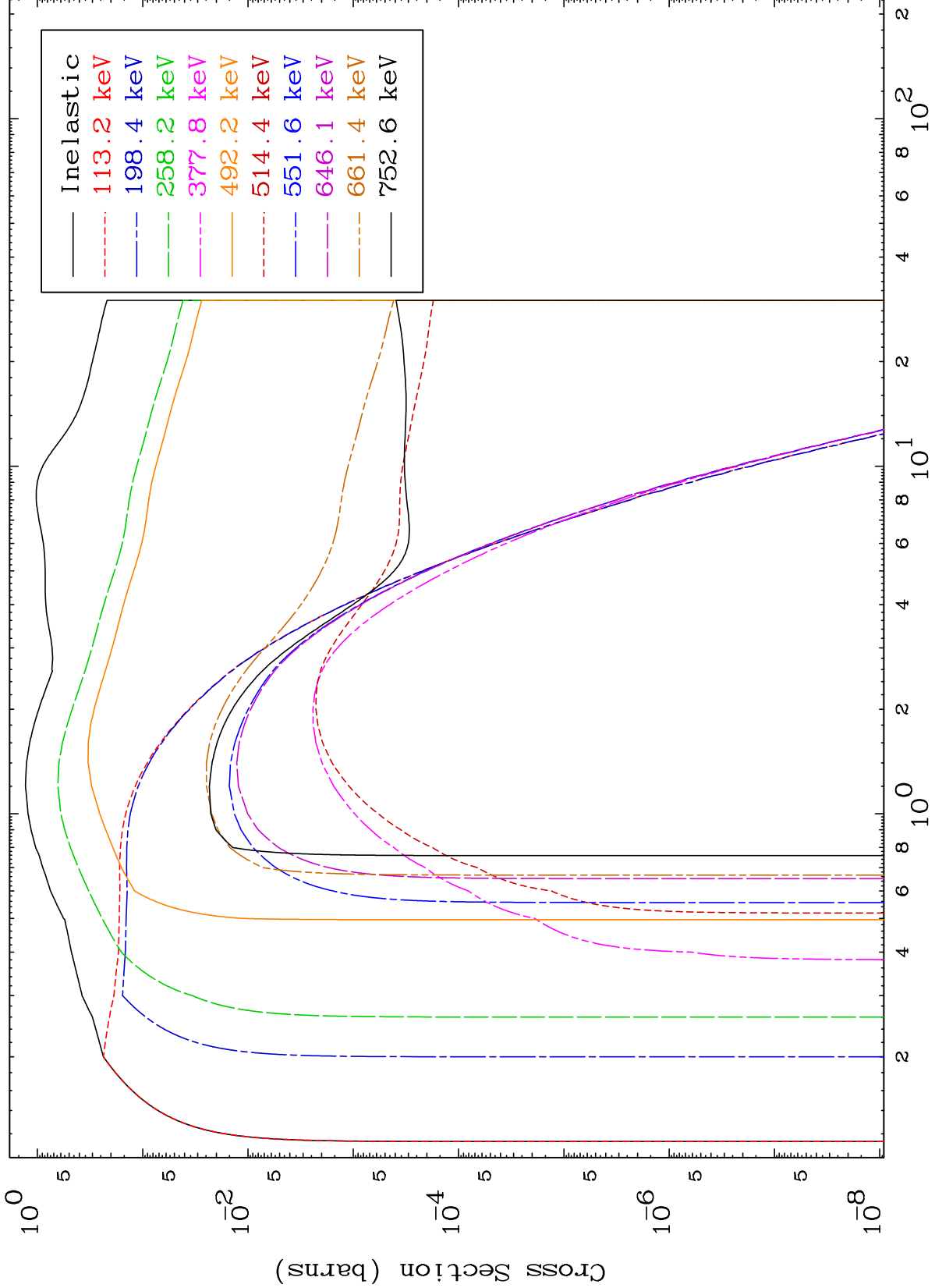
Particle Production  
293 Kelvin Cross Sections

64-Gd-141





293 Kelvin Cross Sections



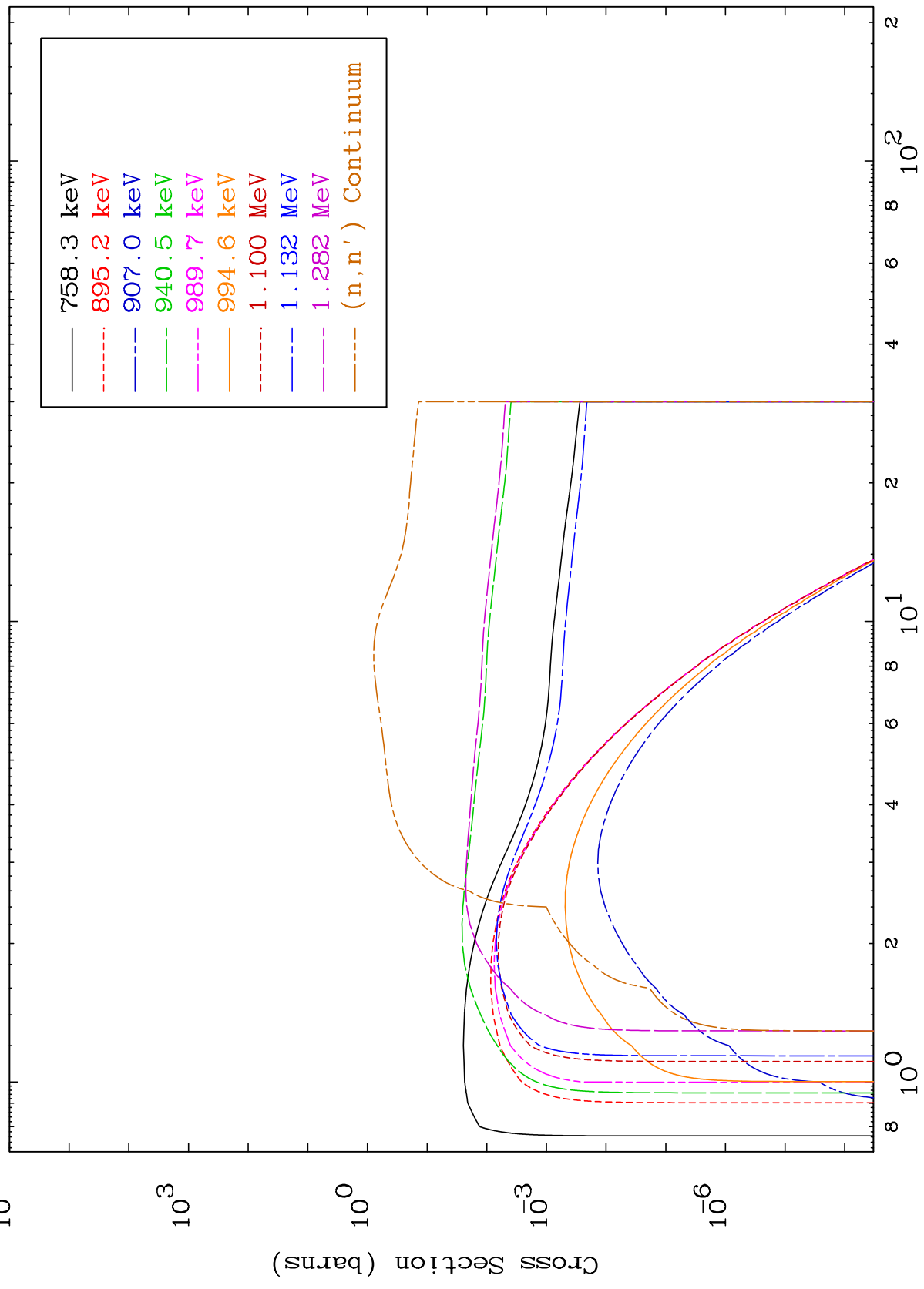
MAT 6392

(n,n') Level

64-Gd-141

293 Kelvin Cross Sections

64-Gd-141



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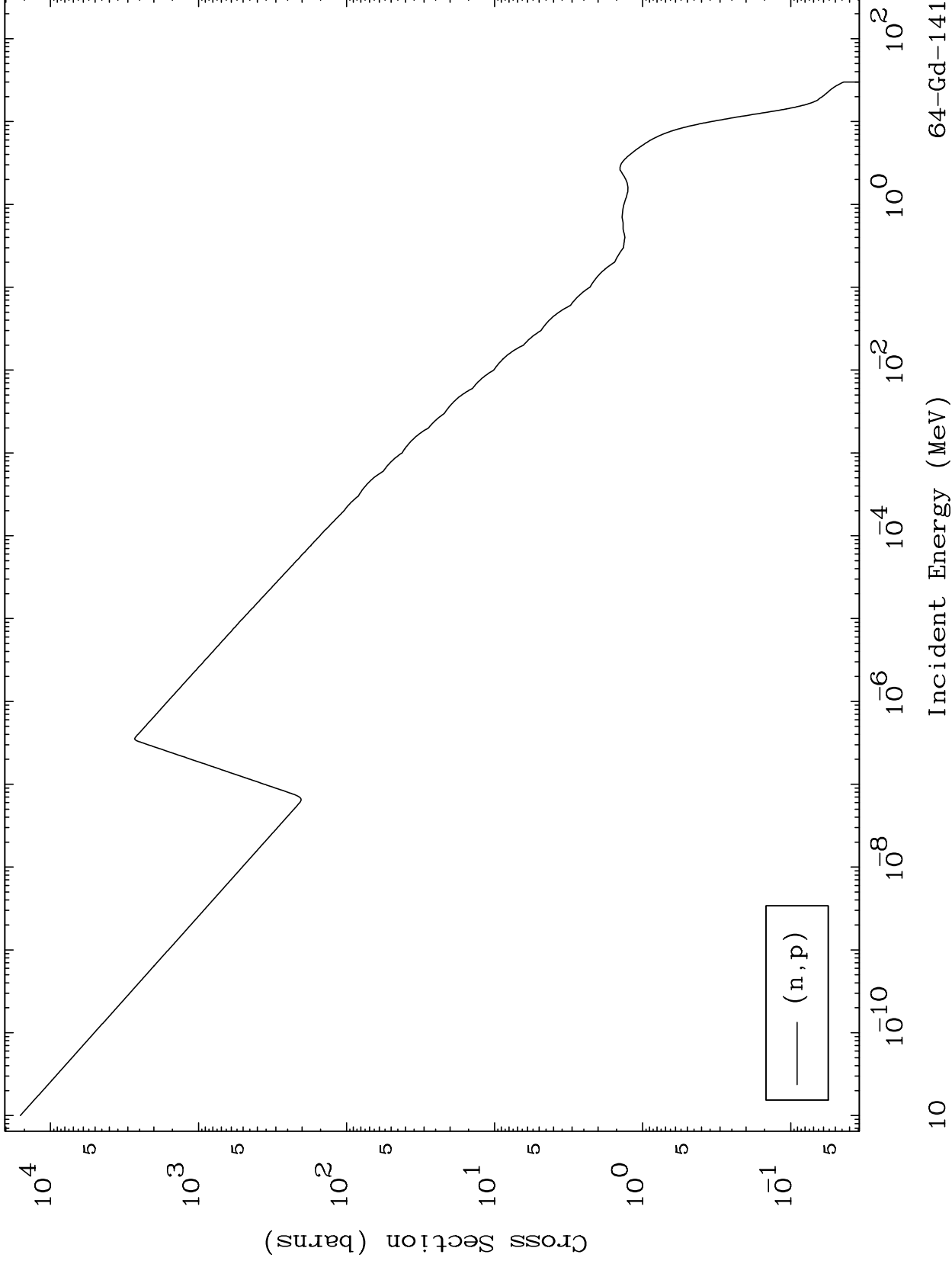
Incident Energy (MeV)

64-Gd-141

MAT 6392

(n,p) Levels  
293 Kelvin Cross Sections

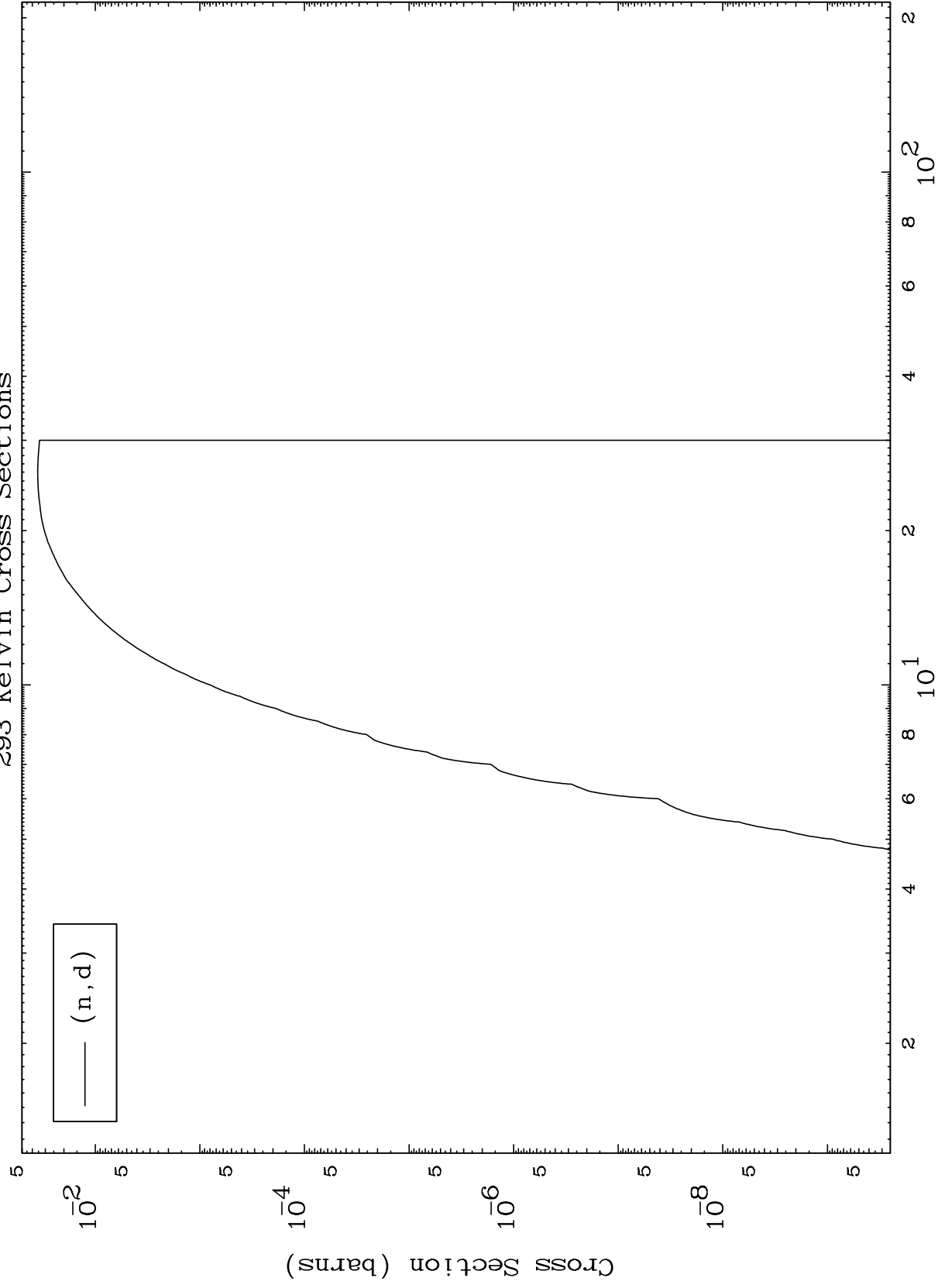
64-Gd-141



MAT 6392

(n,d) Levels  
293 Kelvin Cross Sections

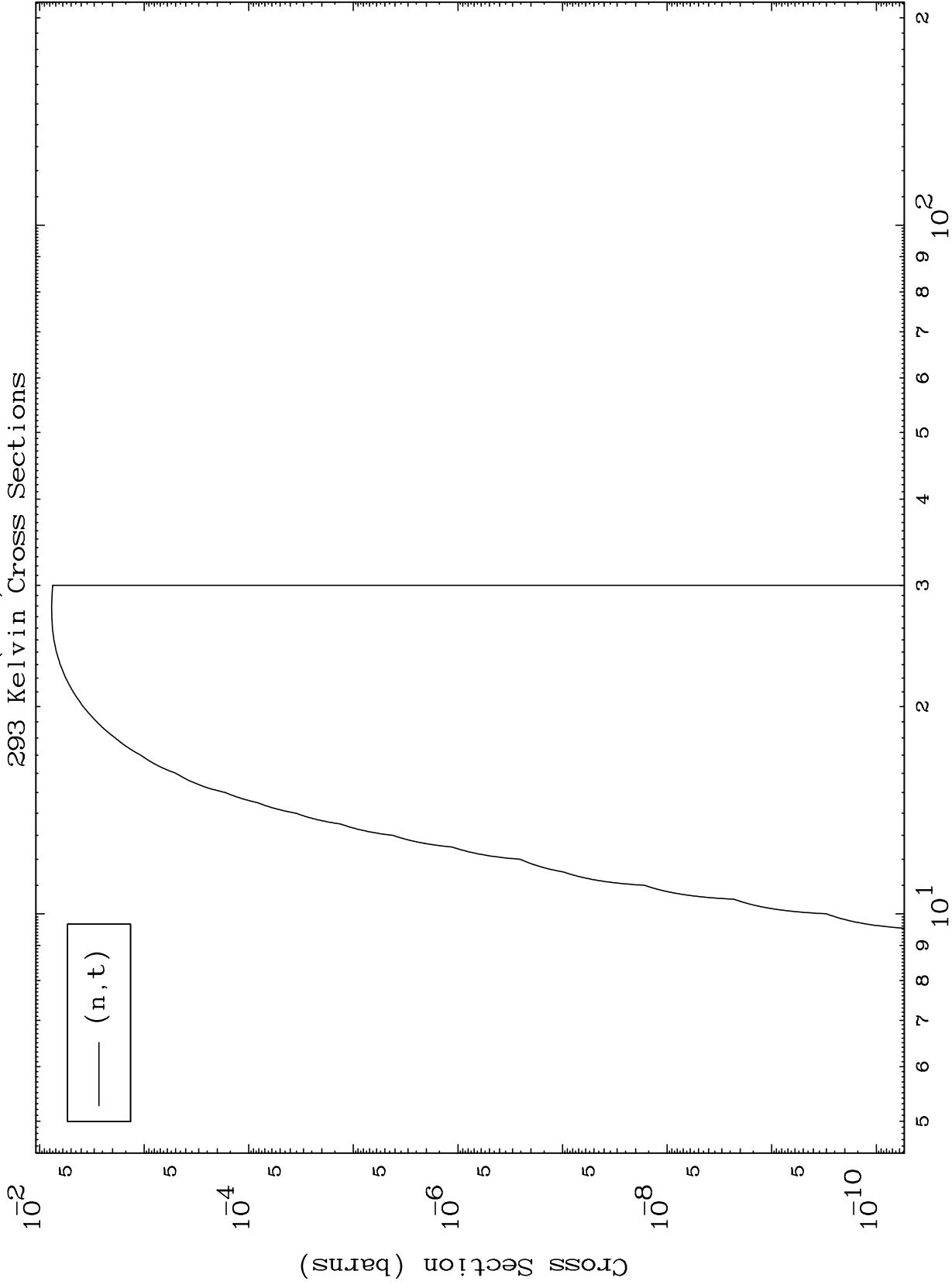
64-Gd-141



MAT 6392

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-141



12

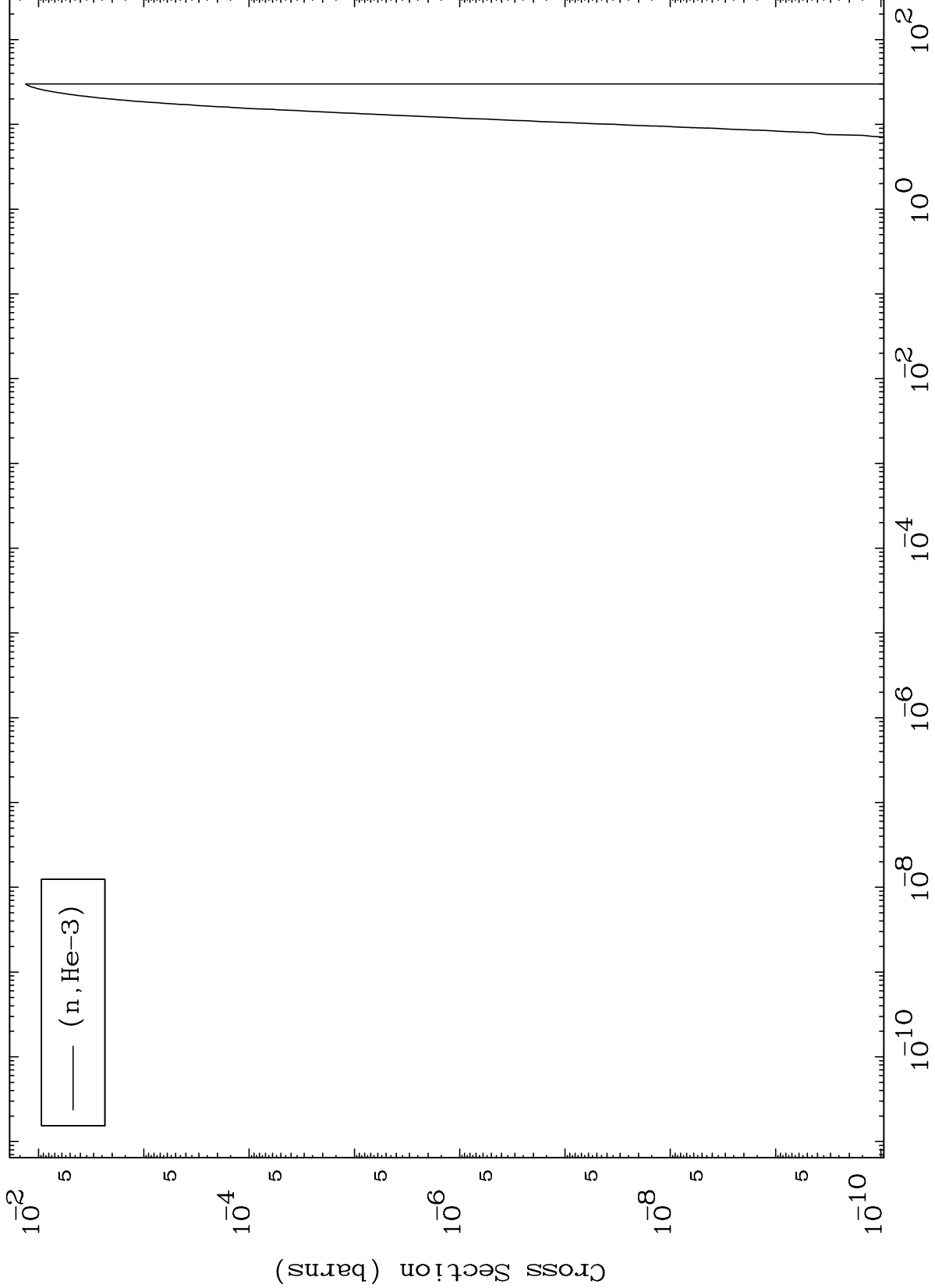
Incident Energy (MeV)

64-Gd-141

MAT 6392

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-141

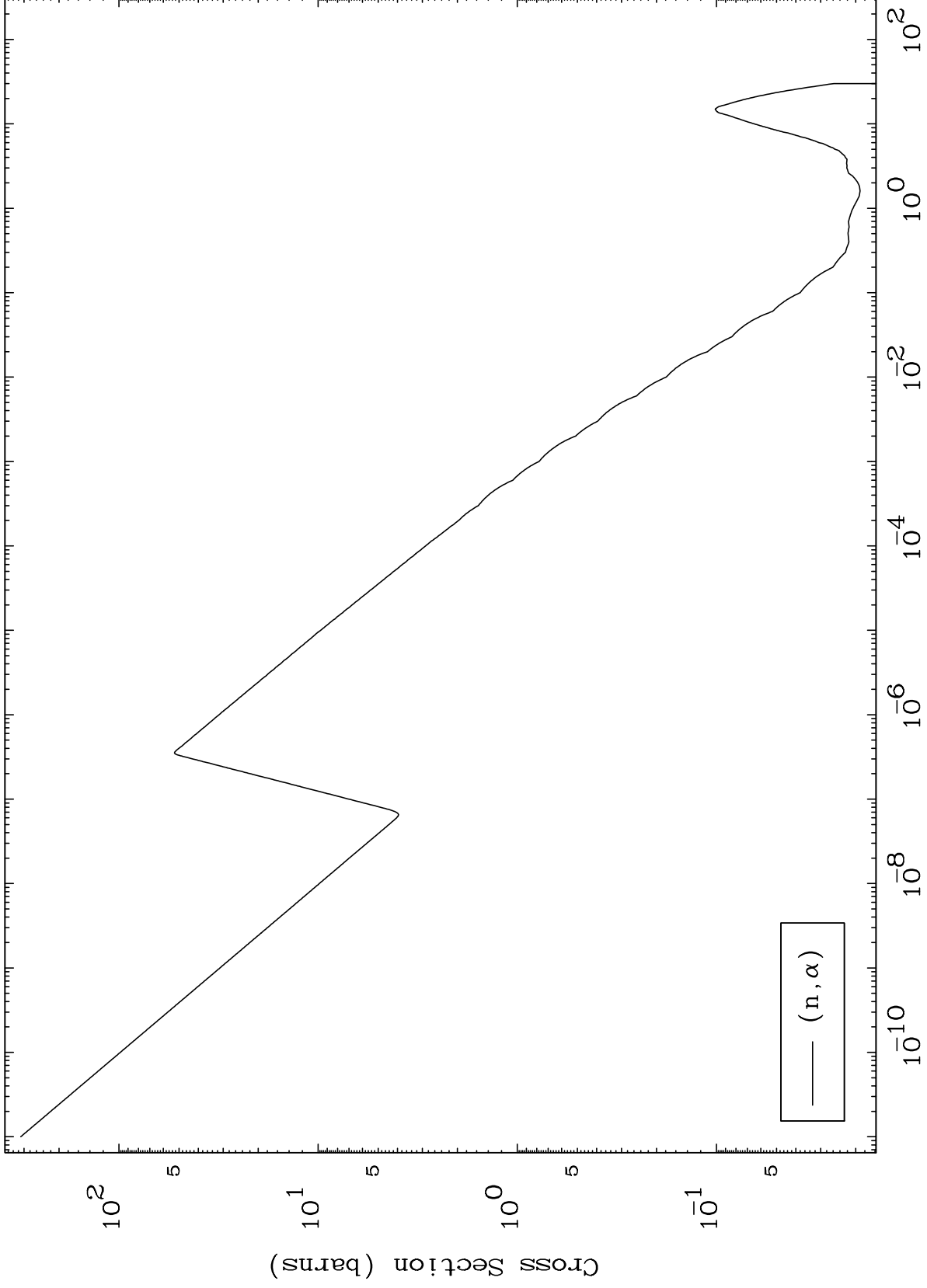


(n, He-3)

MAT 6392

(n,α) Levels  
293 Kelvin Cross Sections

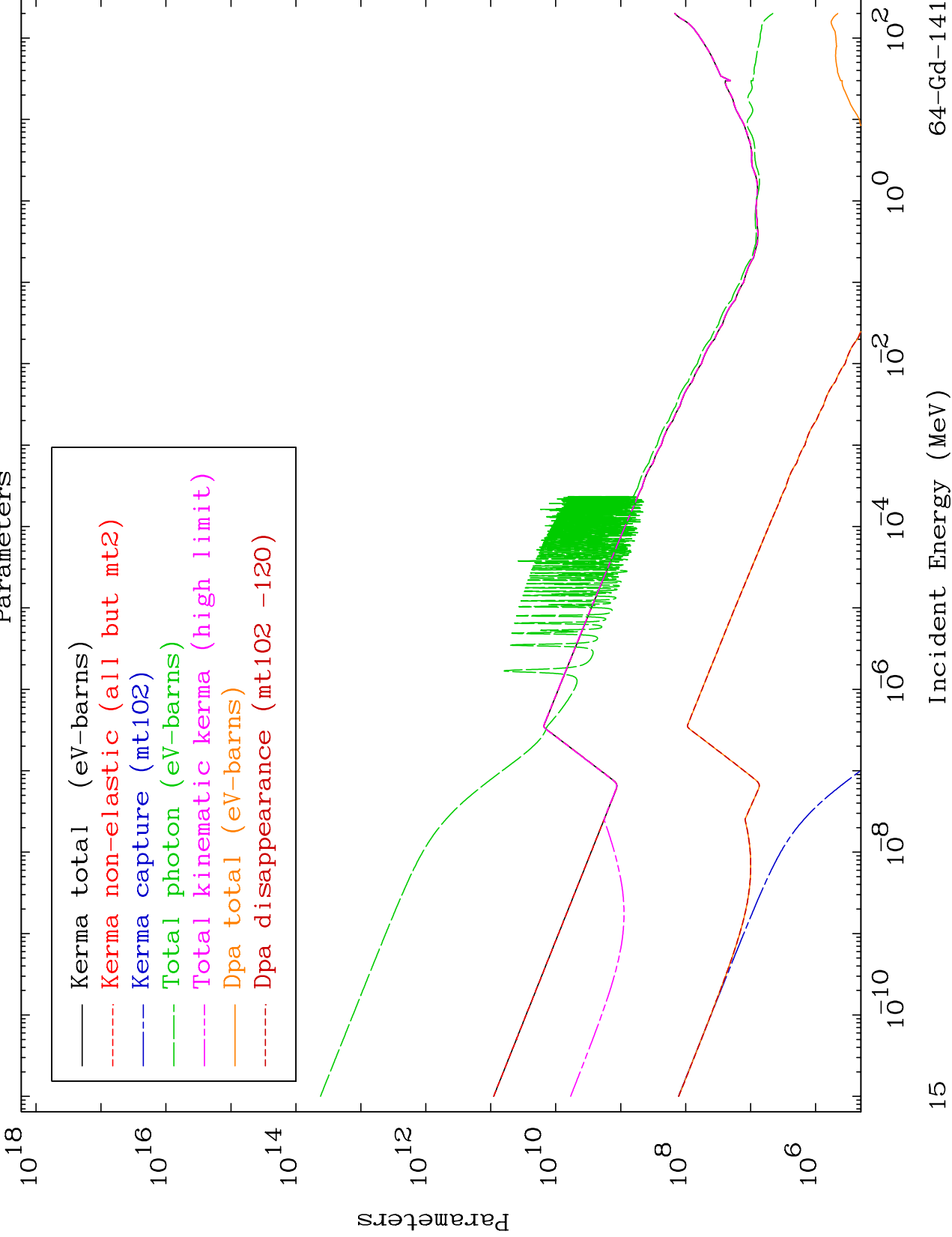
64-Gd-141



14

Incident Energy (MeV)

64-Gd-141

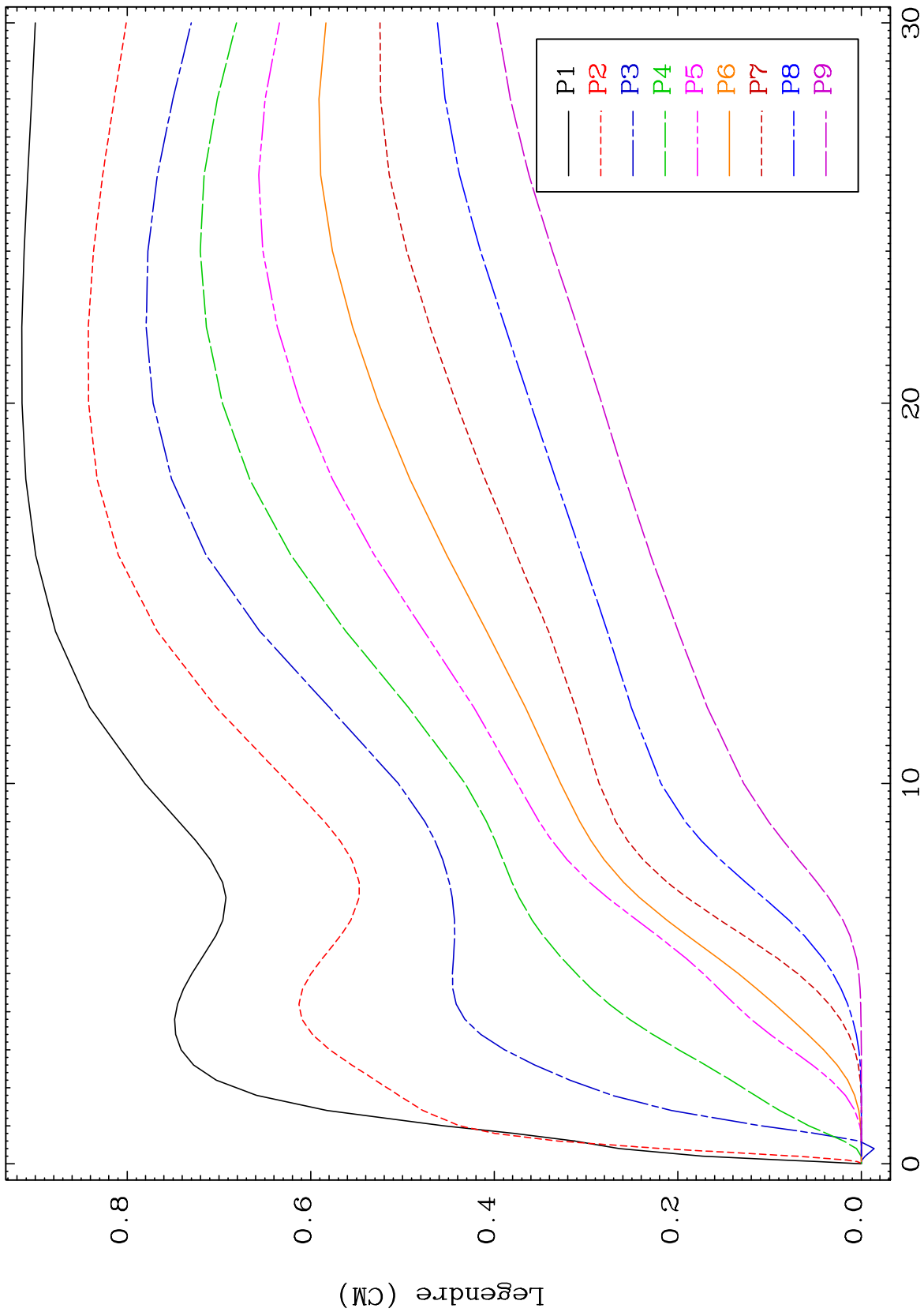




MAT 6392

64-Gd-141

Elastic Legendre Coefficients



16

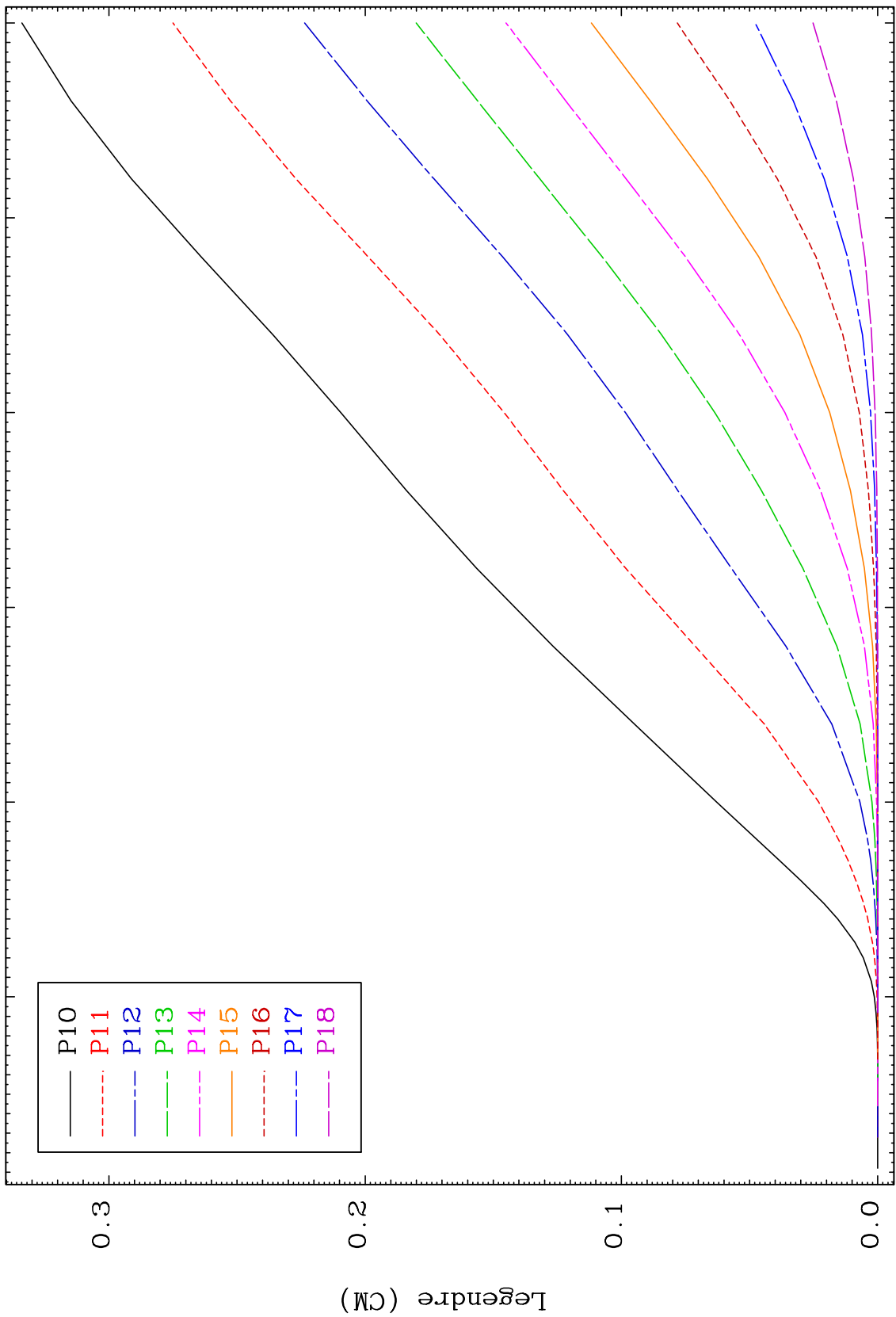
Incident Energy (MeV)

64-Gd-141

MAT 6392

Elastic Legendre Coefficients

64-Gd-141



17

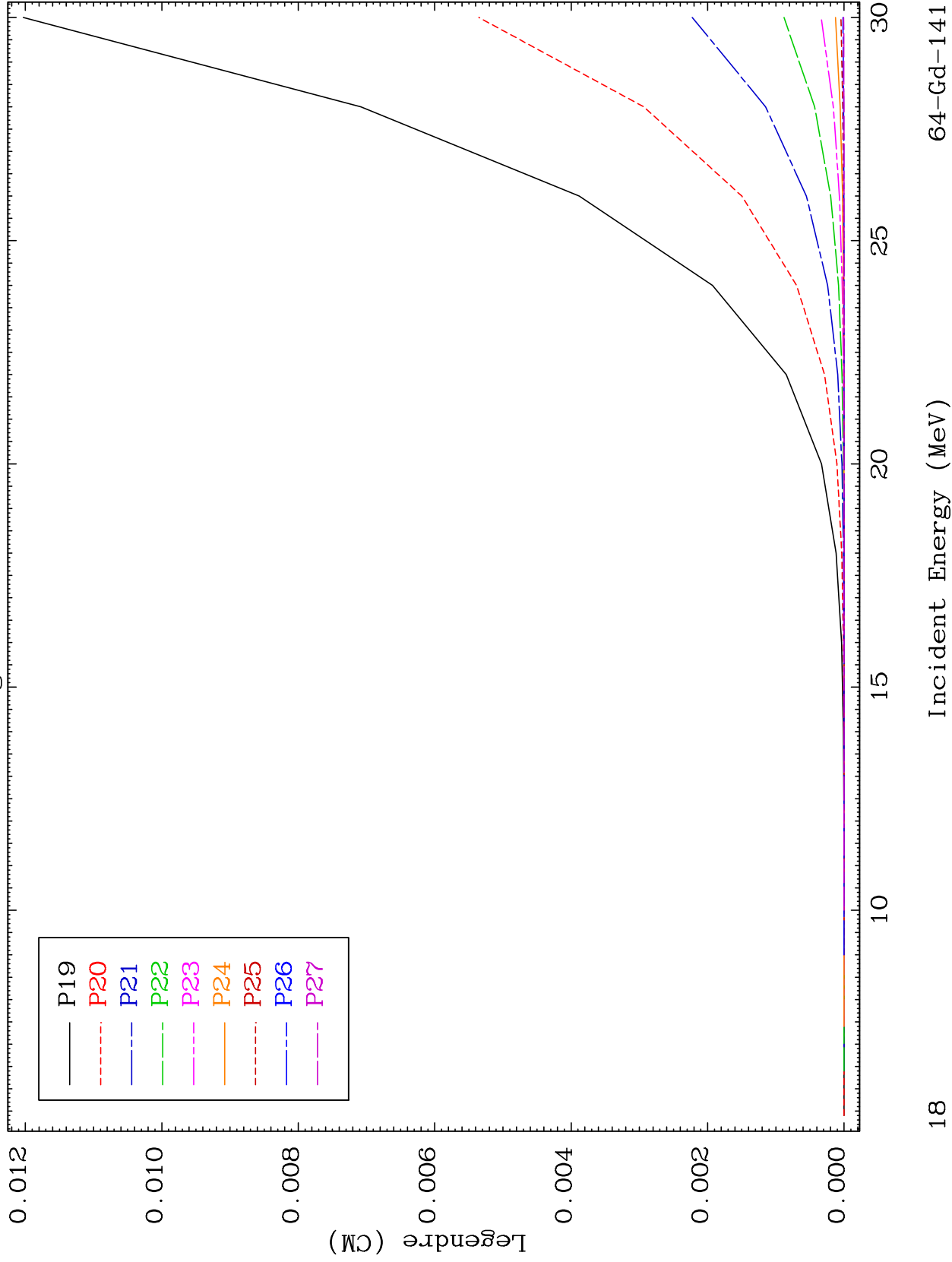
64-Gd-141

Incident Energy (MeV)

MAT 6392

Elastic Legendre Coefficients

64-Gd-141



18

Incident Energy (MeV)

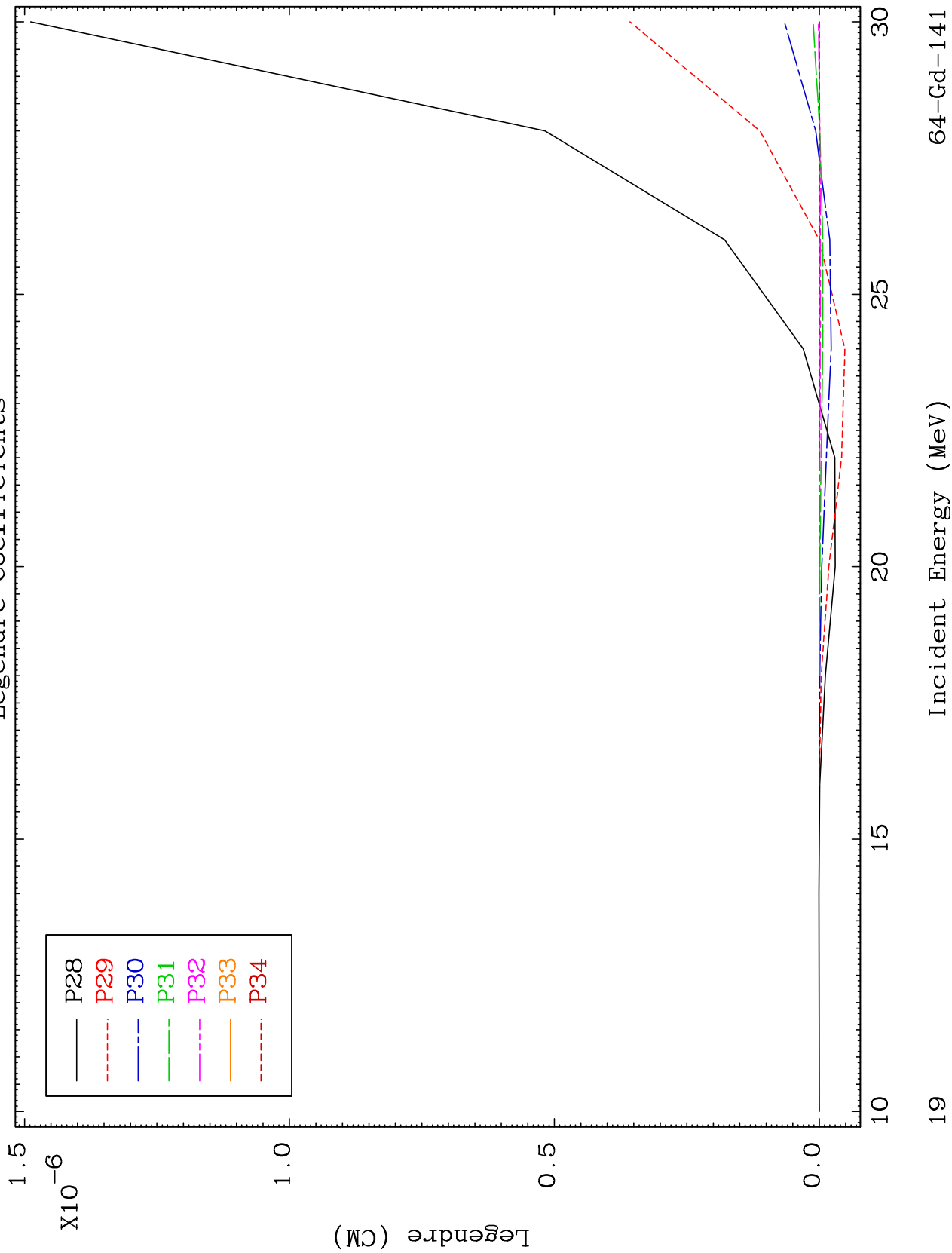
64-Gd-141

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MAT 6392

Elastic  
Legendre Coefficients

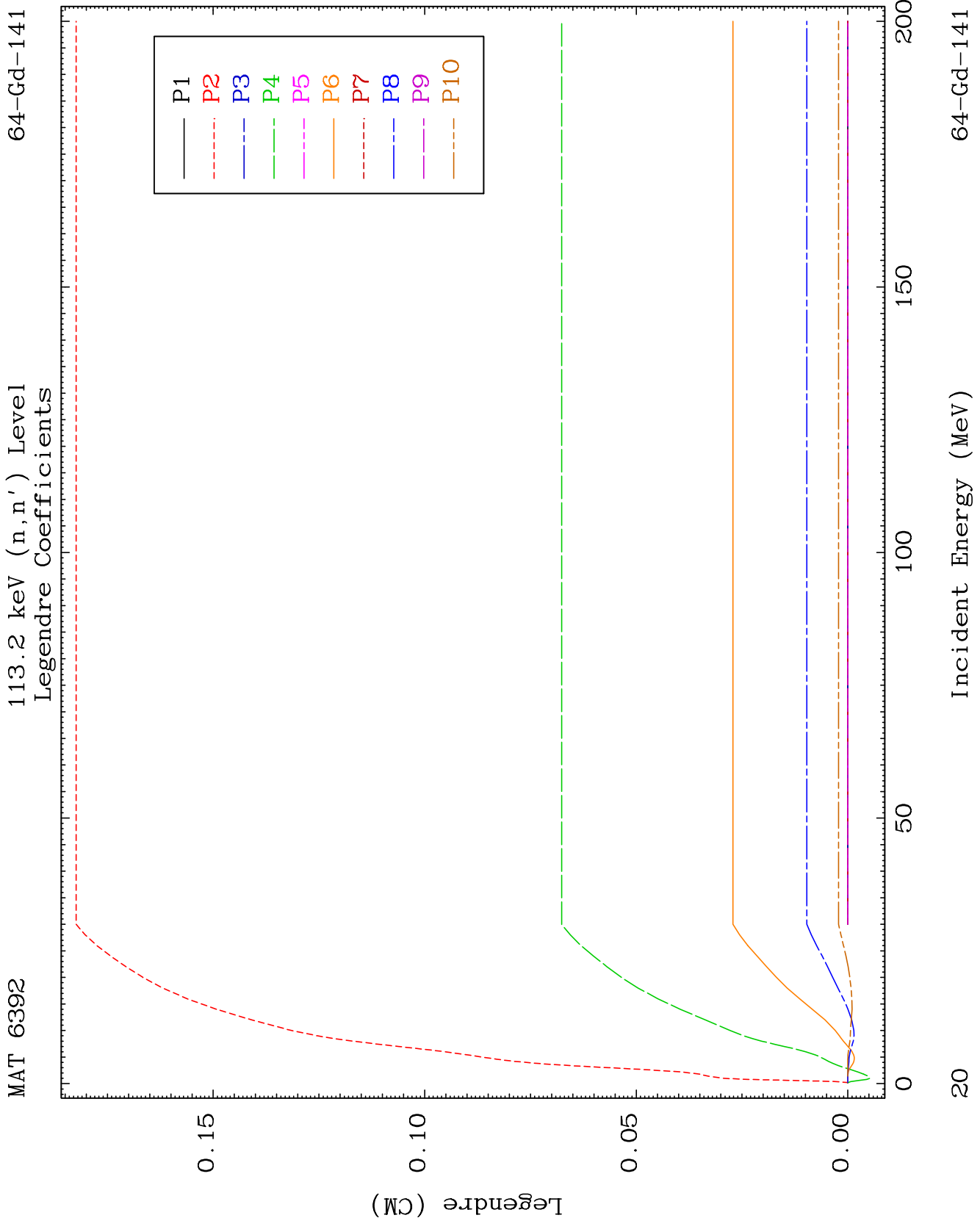
64-Gd-141



19

Incident Energy (MeV)

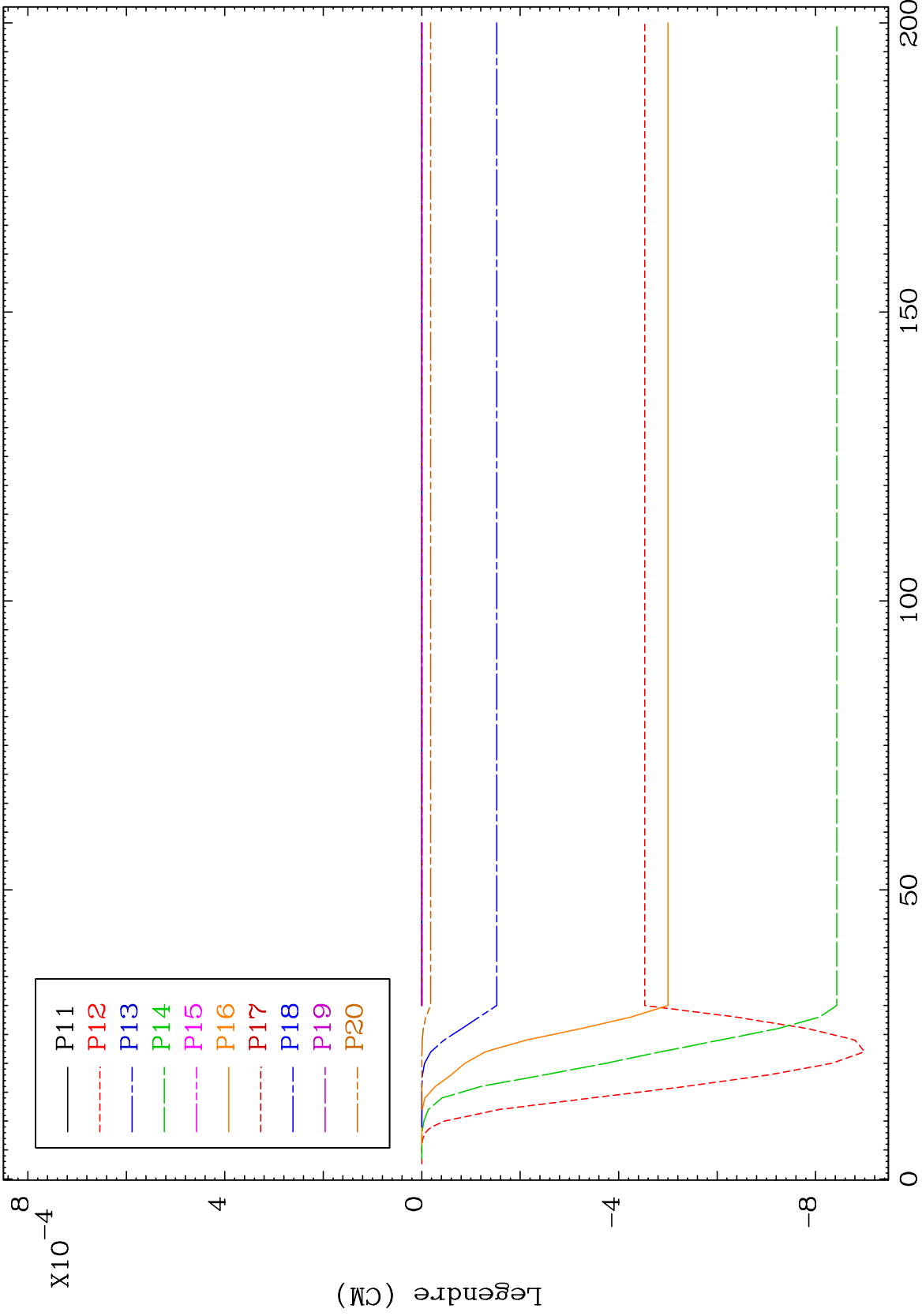
64-Gd-141



MAT 6392

113.2 keV (n,n') Level  
Legendre Coefficients

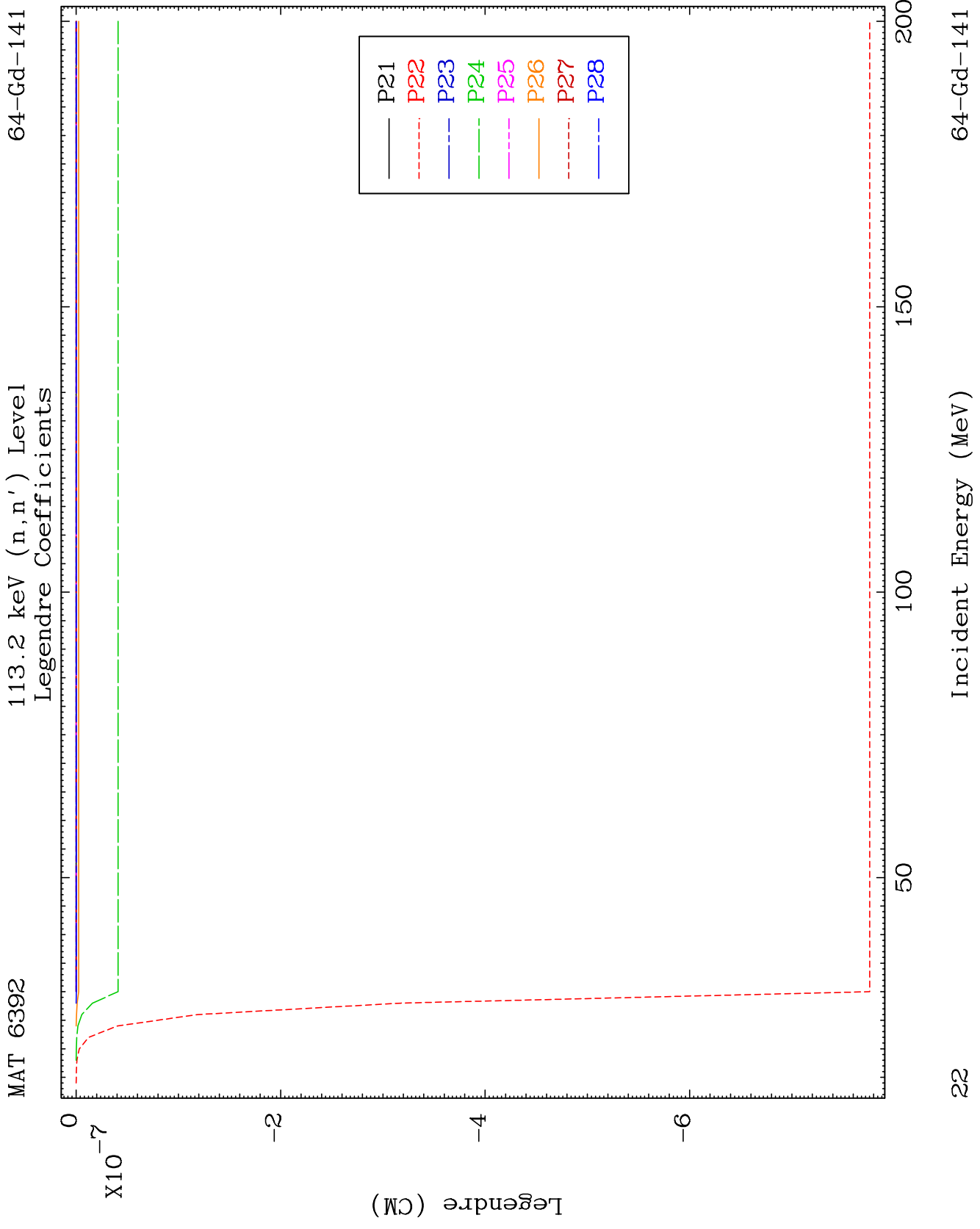
64-Gd-141



21

Incident Energy (MeV)

64-Gd-141



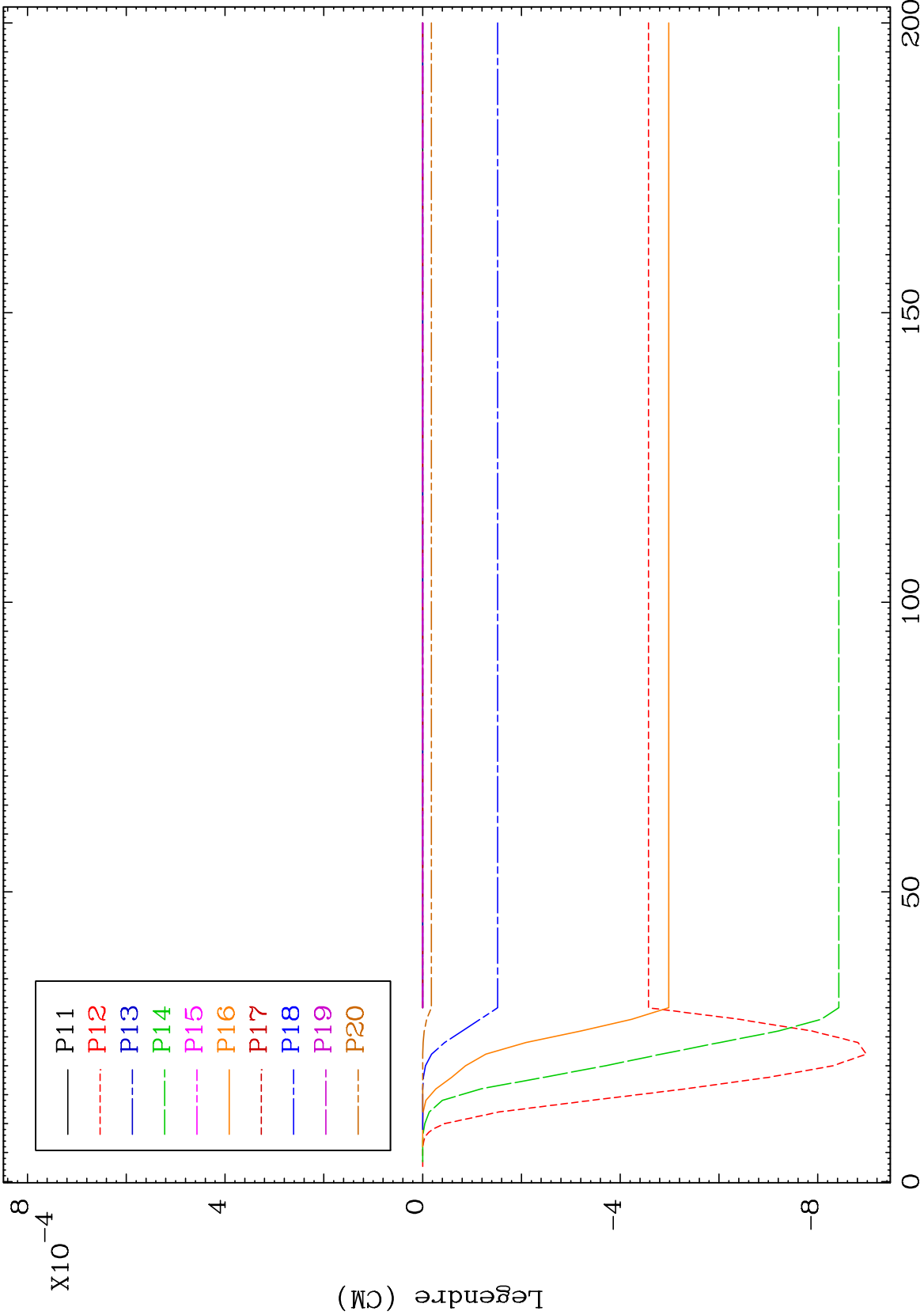




MAT 6392

198.4 keV (n,n') Level  
Legendre Coefficients

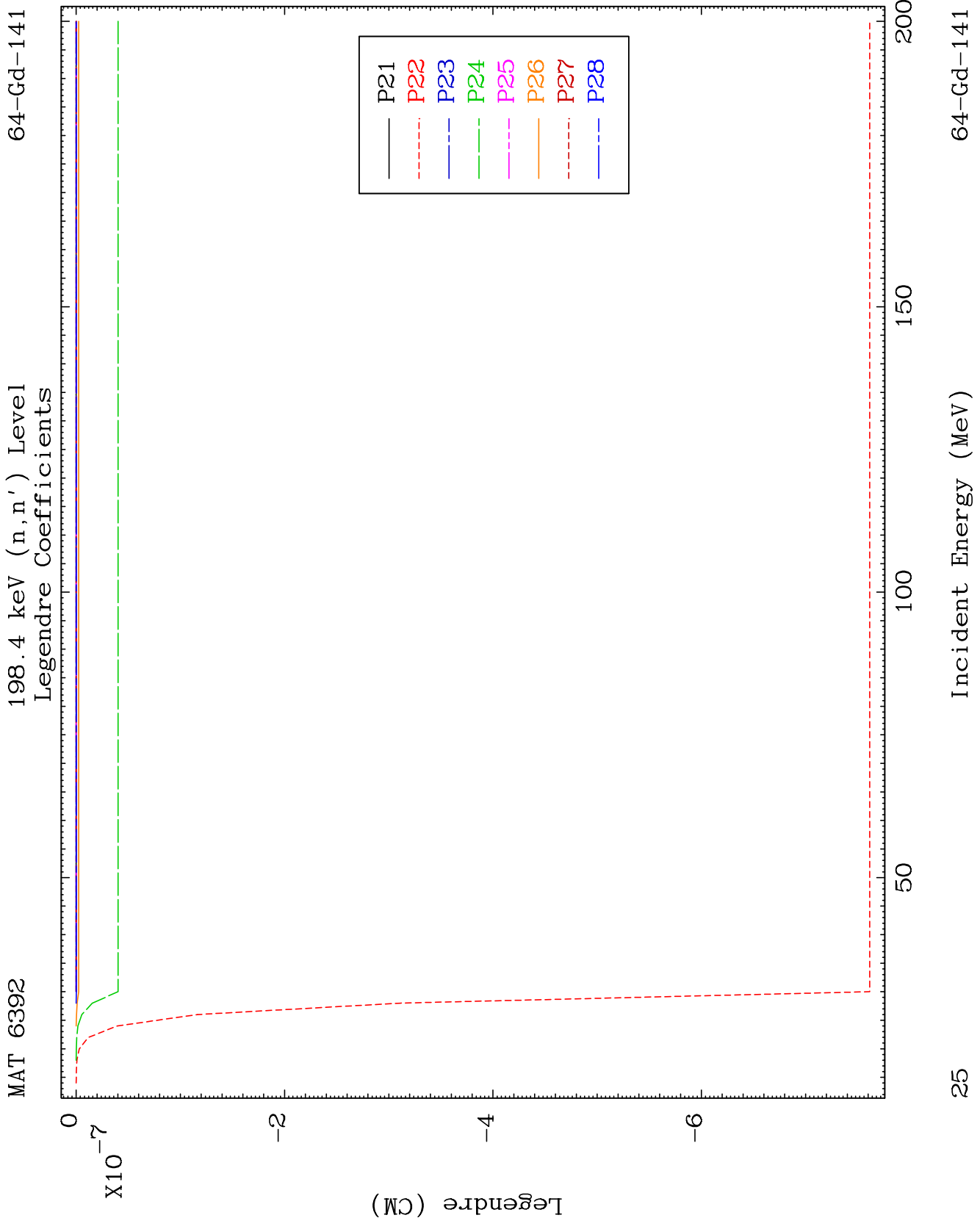
64-Gd-141



24

64-Gd-141

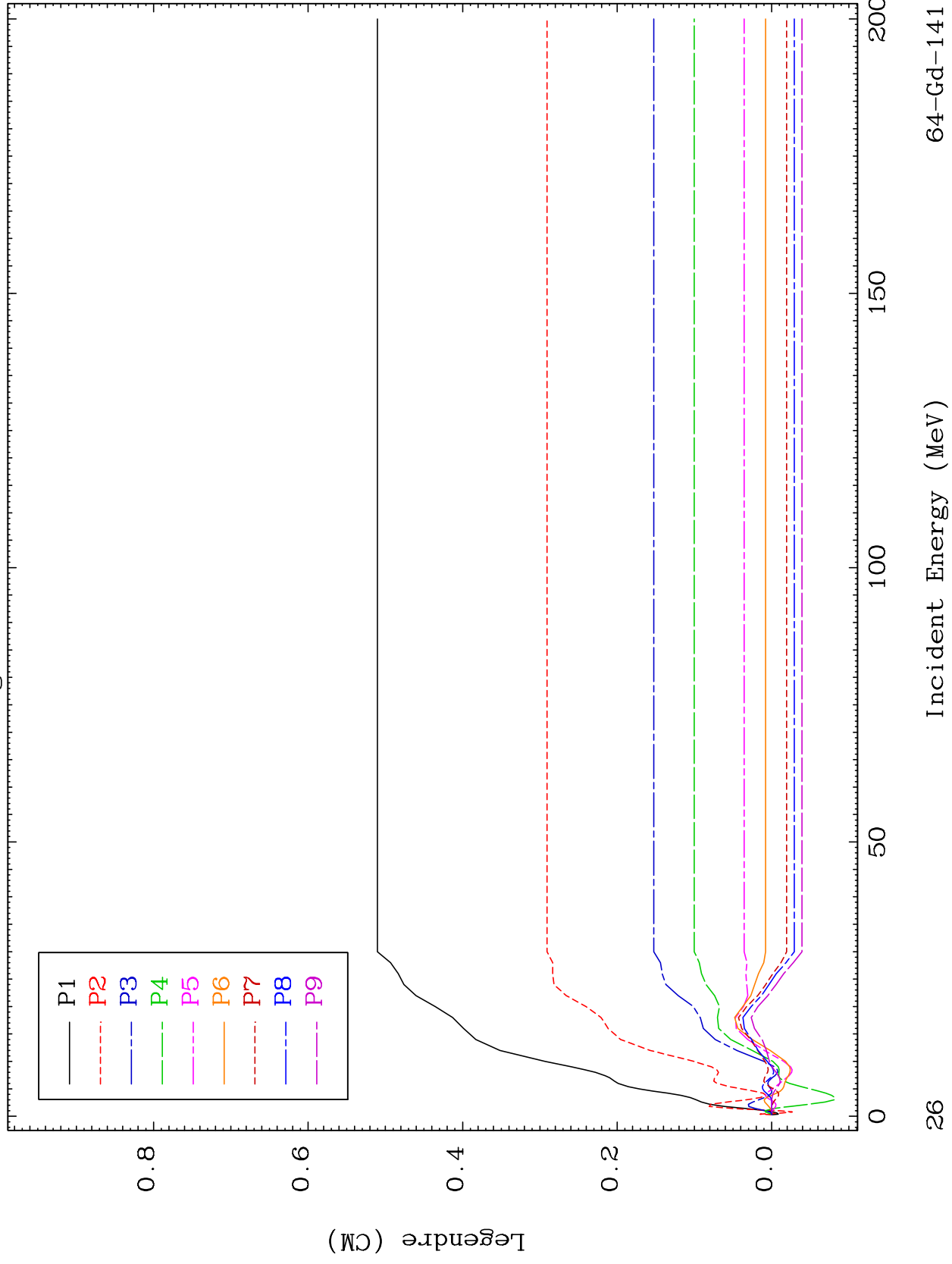
64-Gd-141



MAT 6392

258.2 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



64-Gd-141

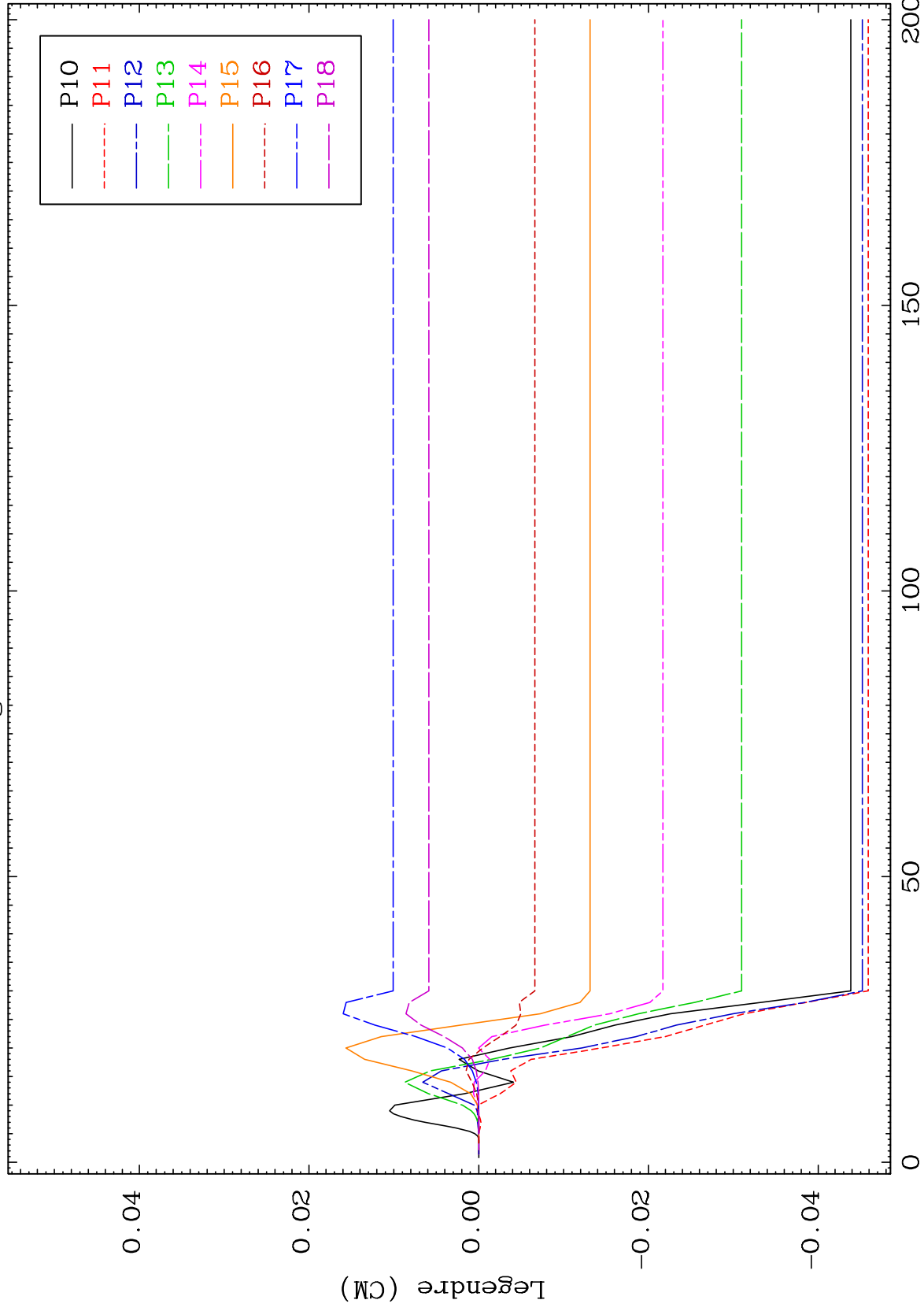
Incident Energy (MeV)

26

MAT 6392

258.2 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



27

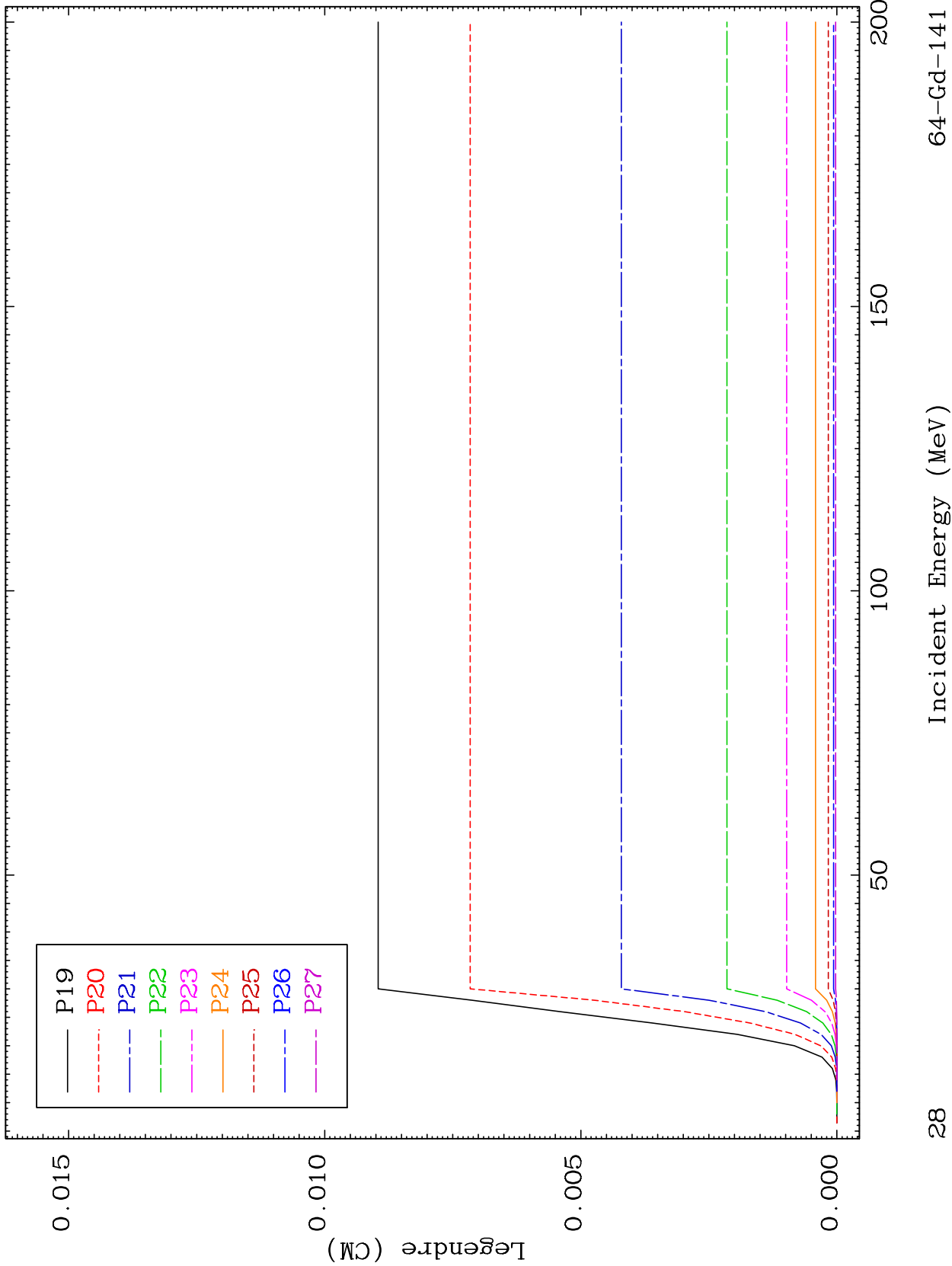
Incident Energy (MeV)

64-Gd-141

MAT 6392

258.2 keV (n, n') Level  
Legendre Coefficients

64-Gd-141



28

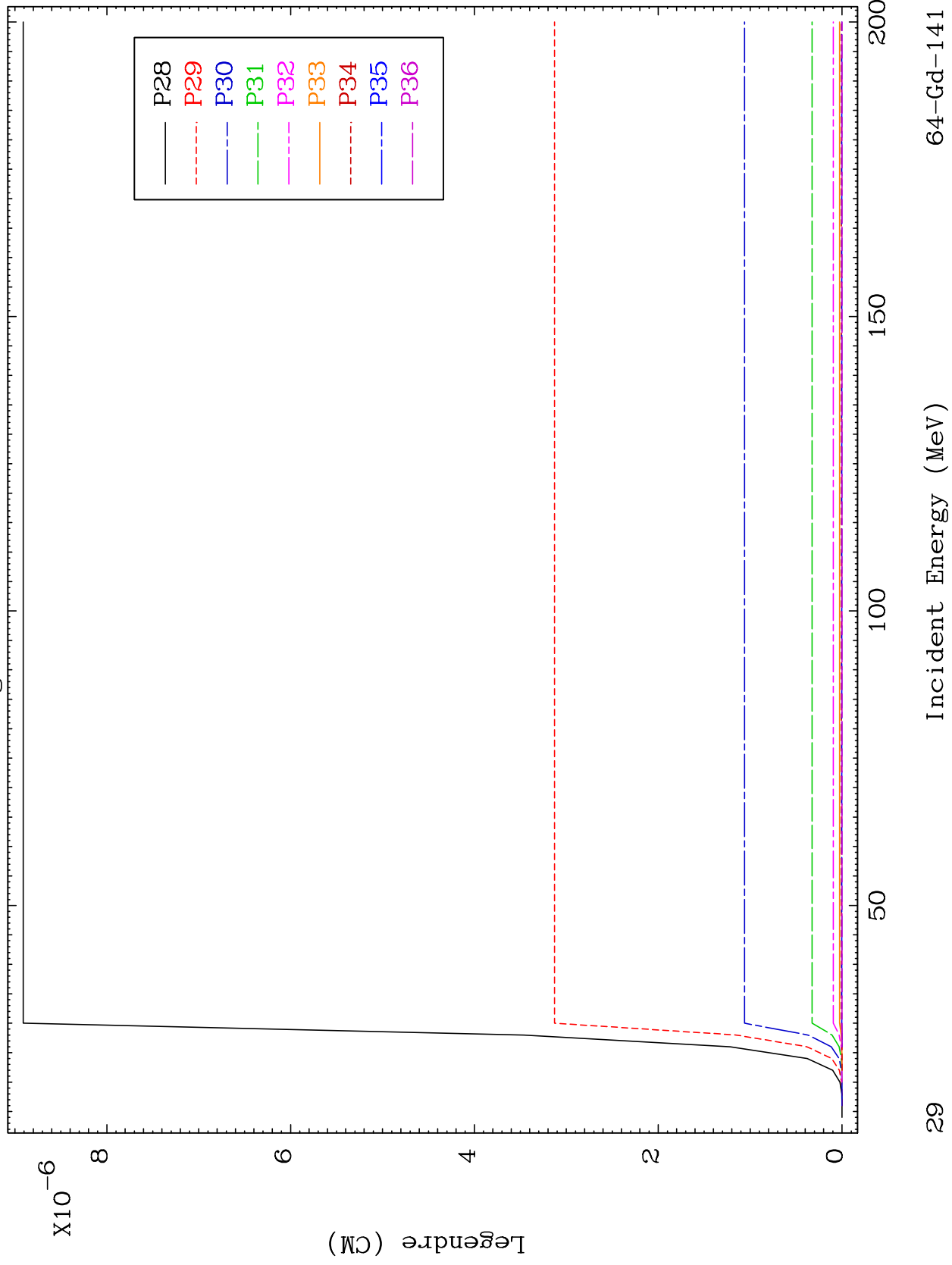
Incident Energy (MeV)

64-Gd-141

MAT 6392

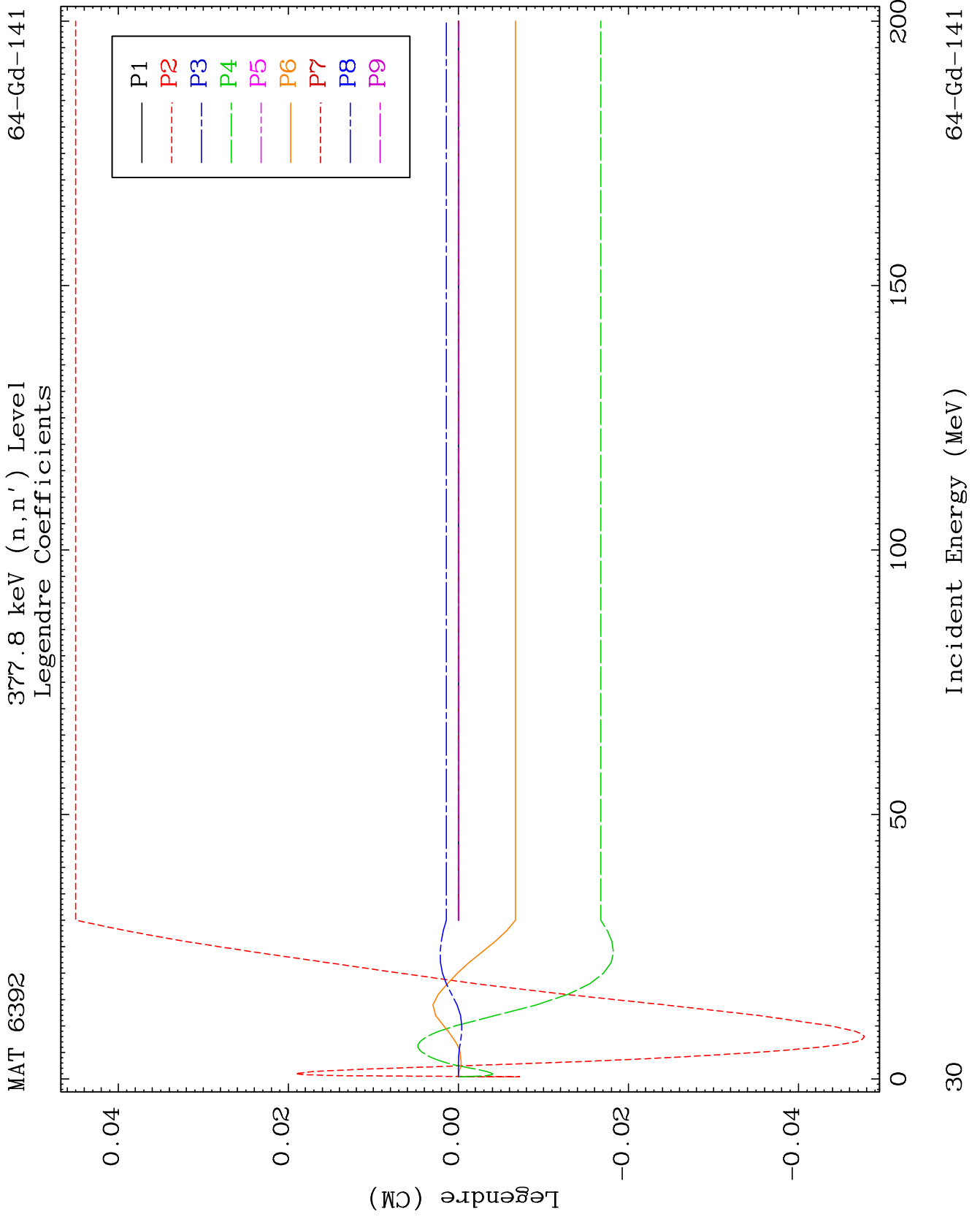
258.2 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



29

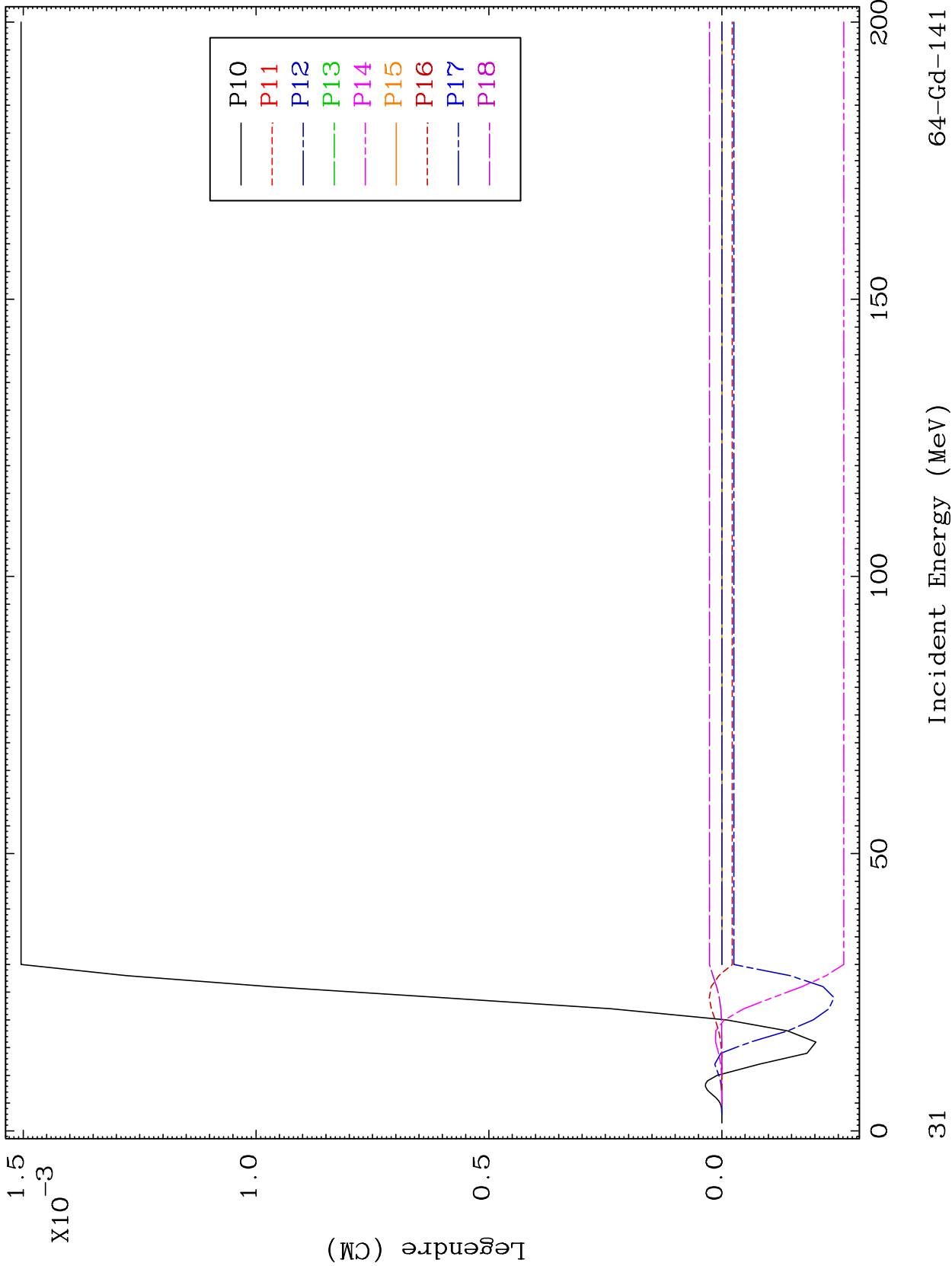
64-Gd-141



MAT 6392

377.8 keV (n,n') Level  
Legendre Coefficients

64-Gd-141

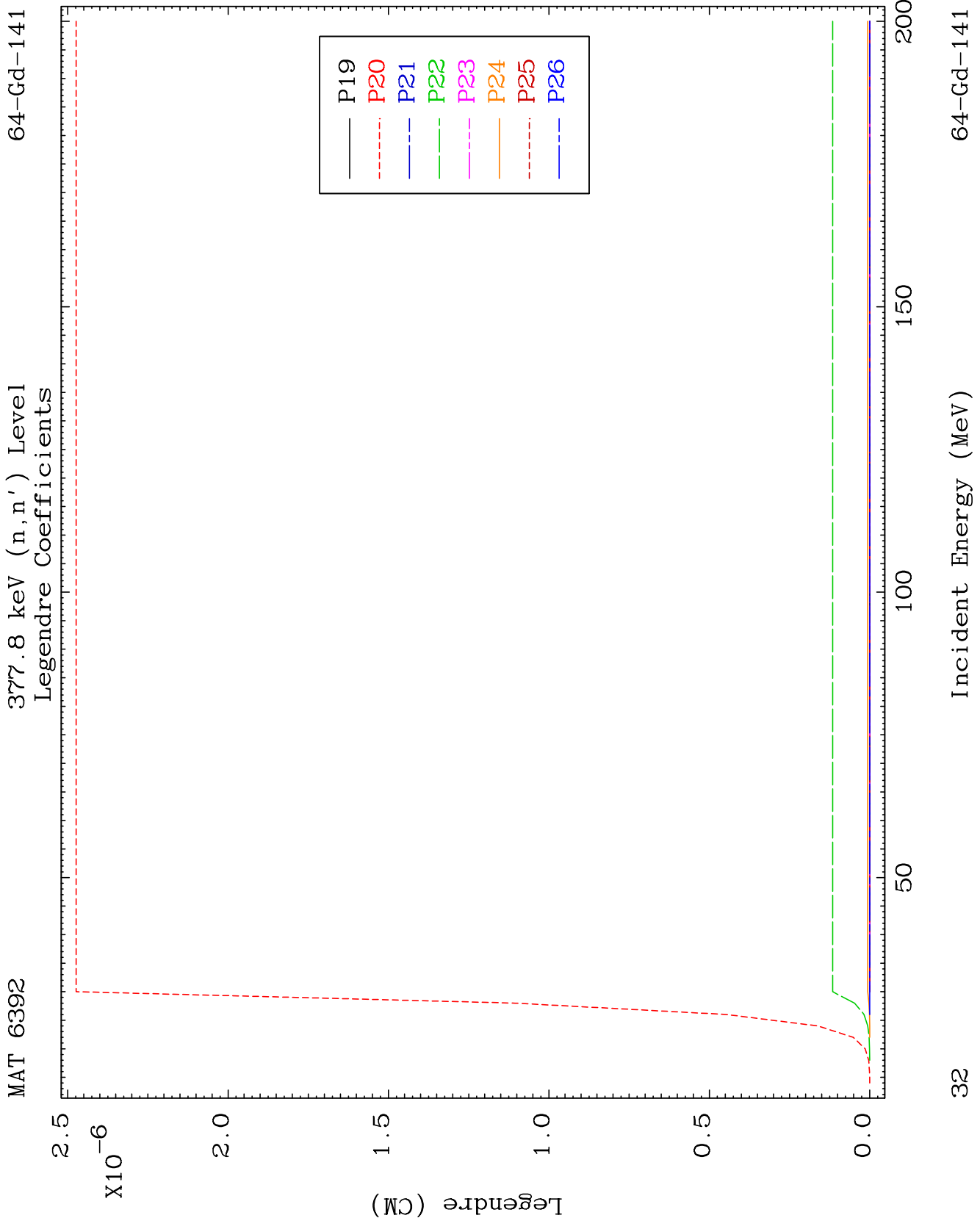


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Incident Energy (MeV)

64-Gd-141

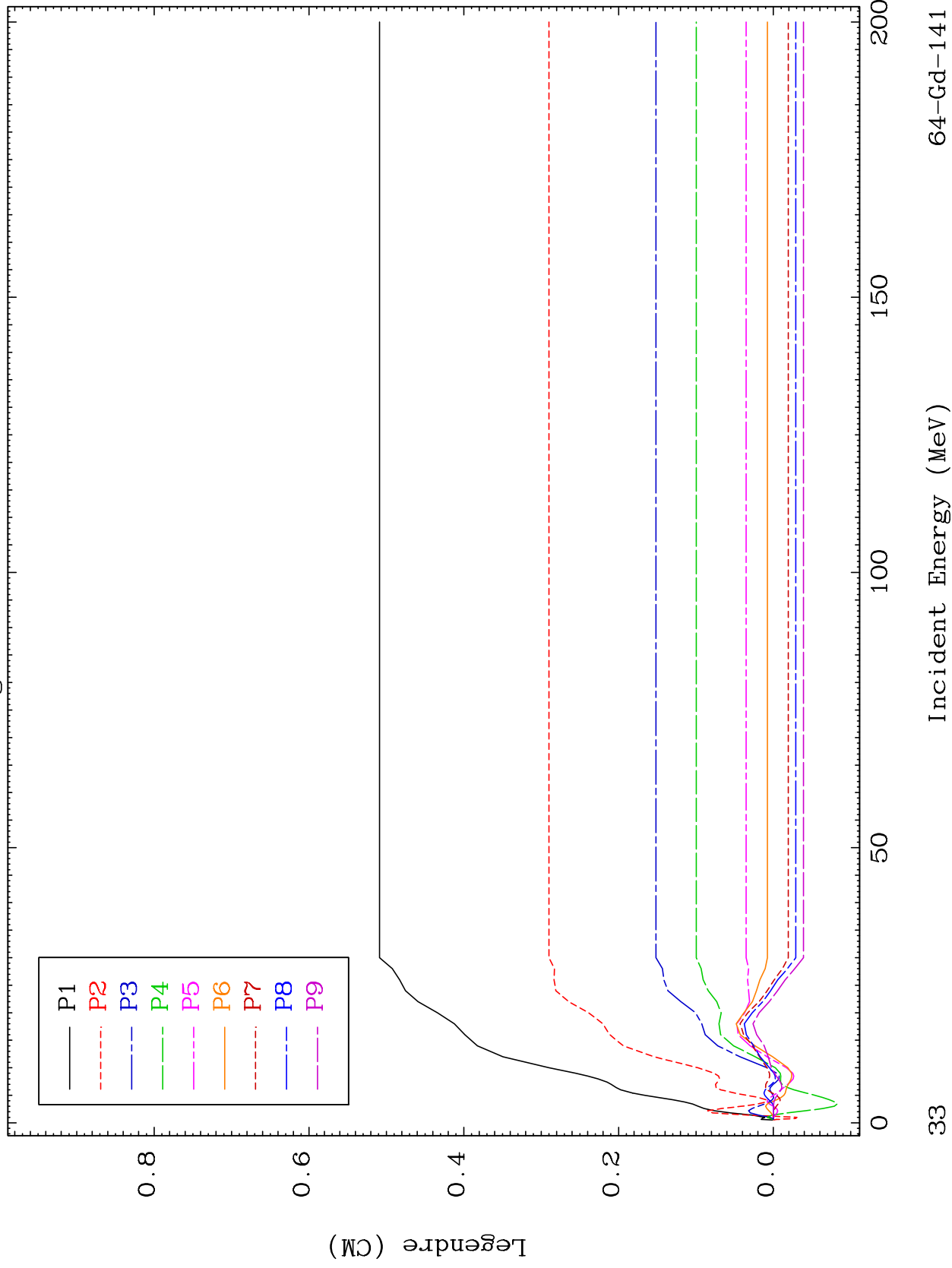




MAT 6392

492.2 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



33

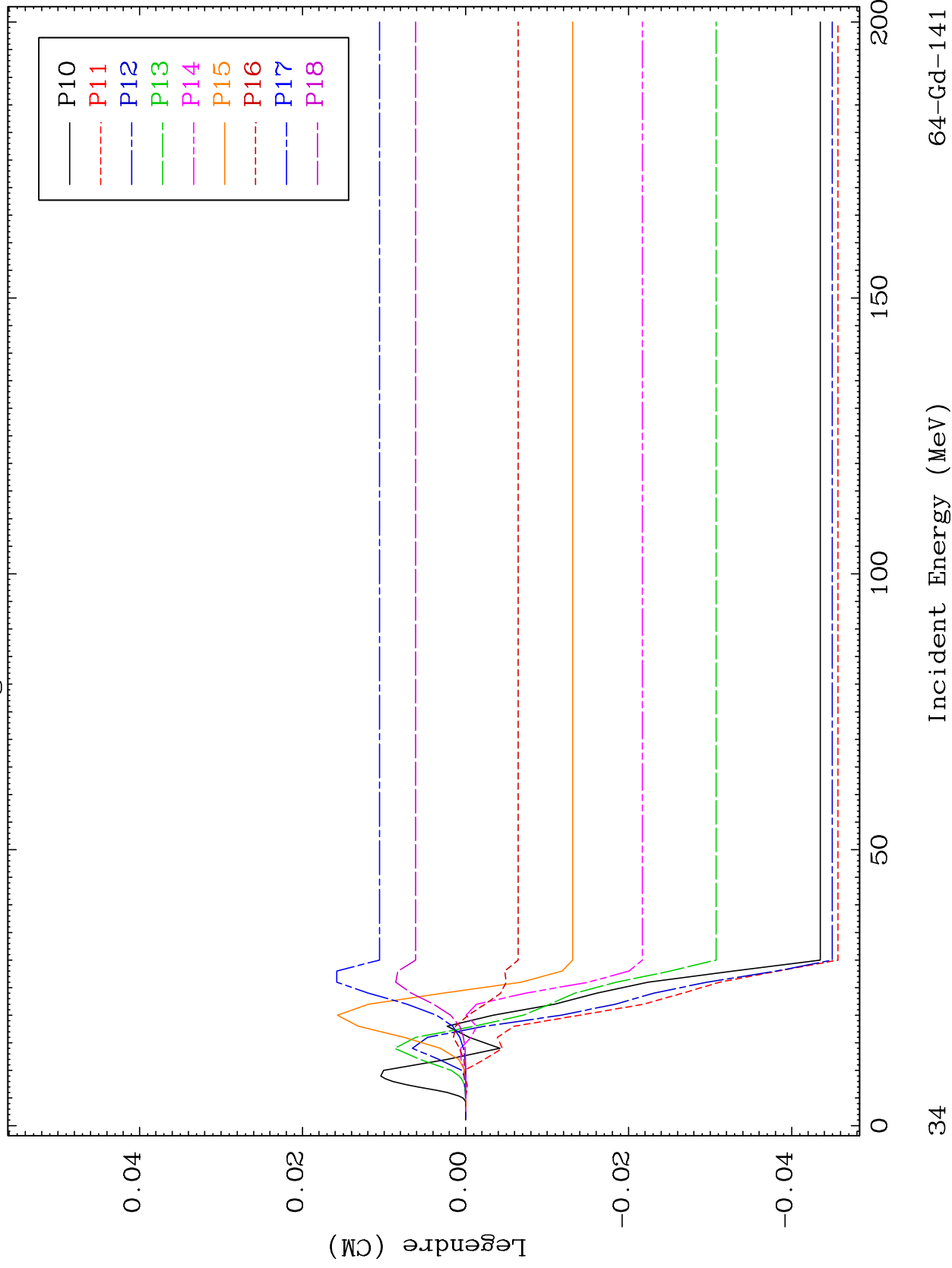
Incident Energy (MeV)

64-Gd-141

MAT 6392

492.2 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



34

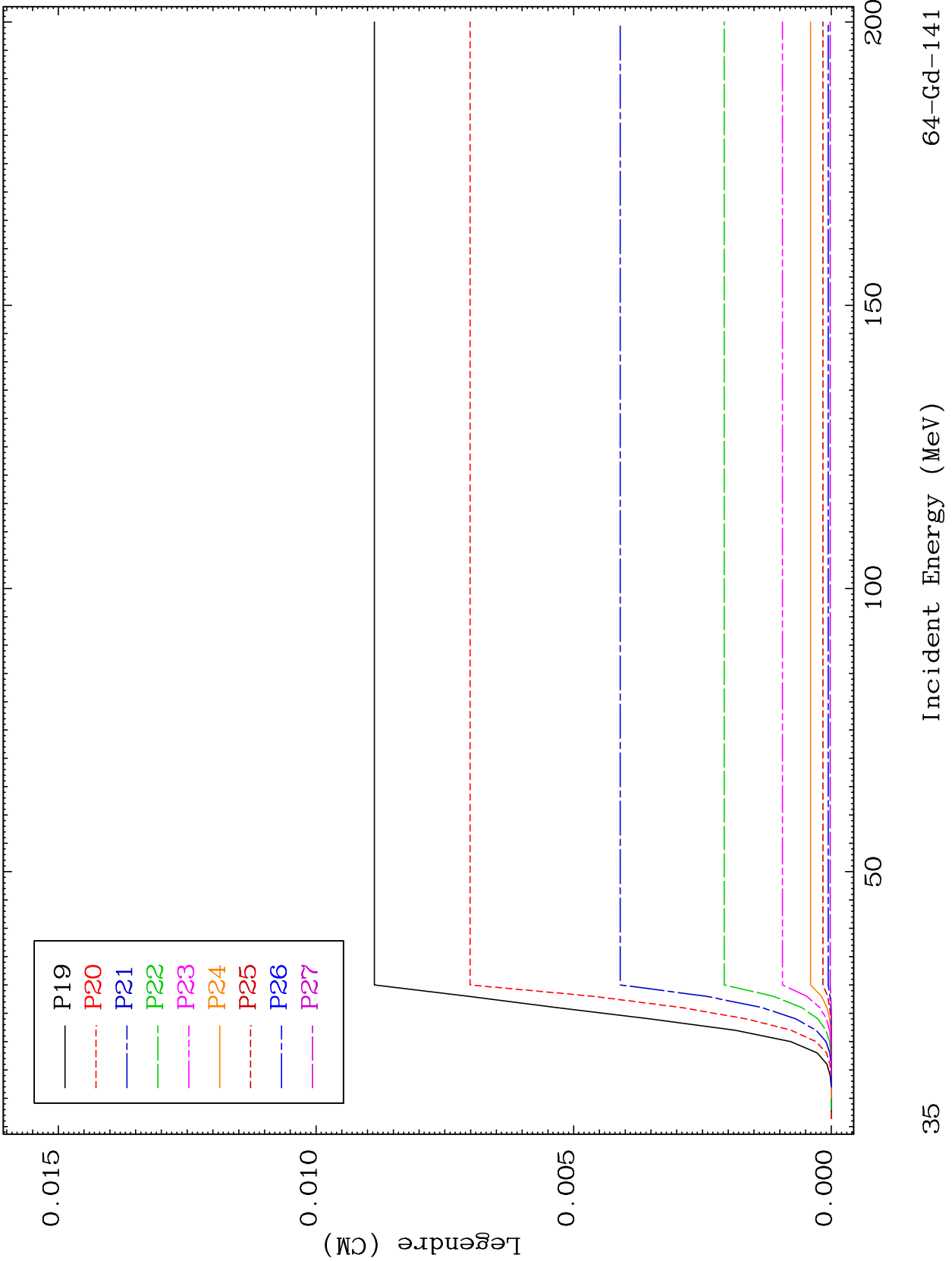
Incident Energy (MeV)

64-Gd-141

MAT 6392

492.2 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



35

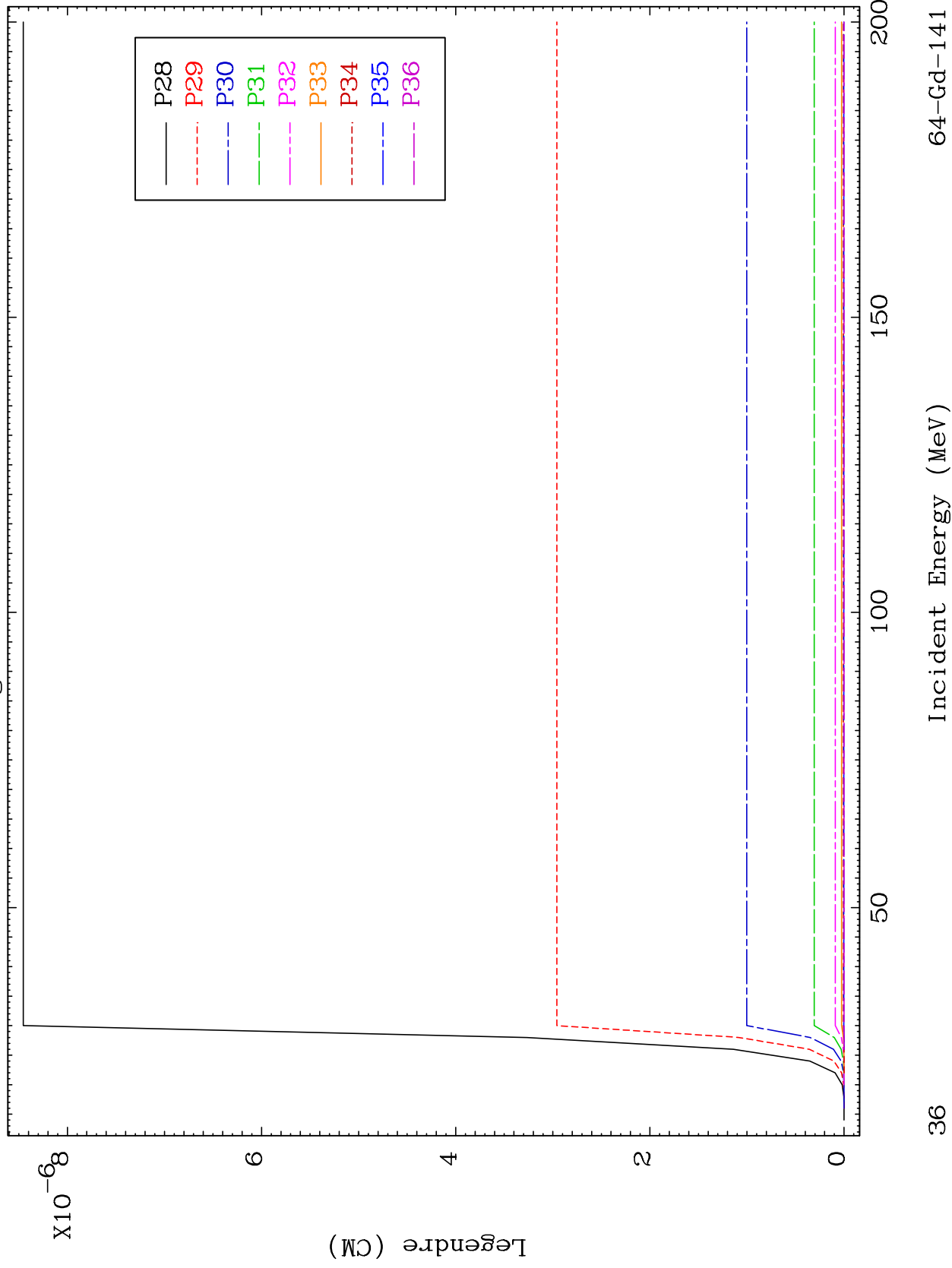
Incident Energy (MeV)

64-Gd-141

MAT 6392

492.2 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



36

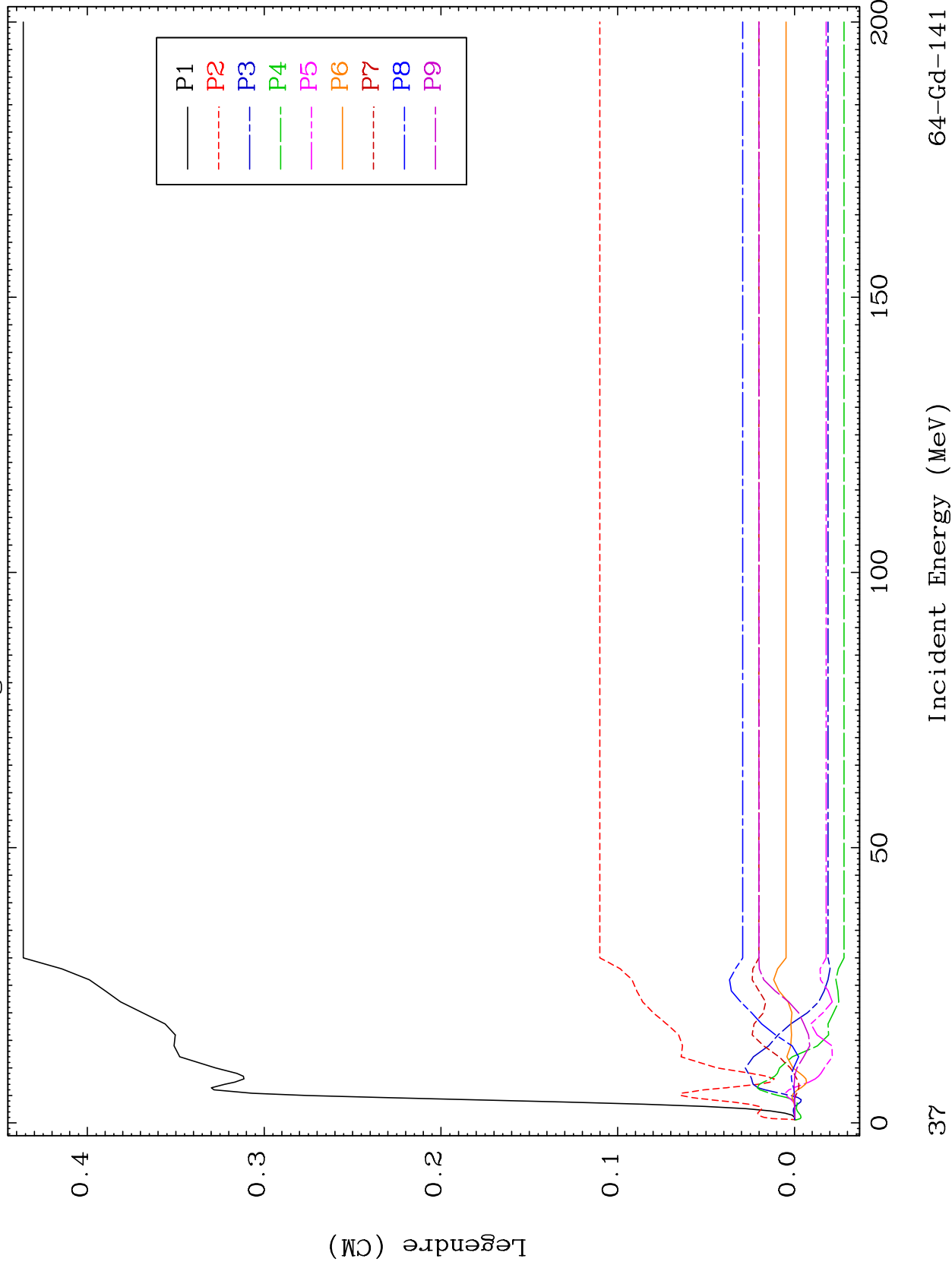
Incident Energy (MeV)

64-Gd-141

MAT 6392

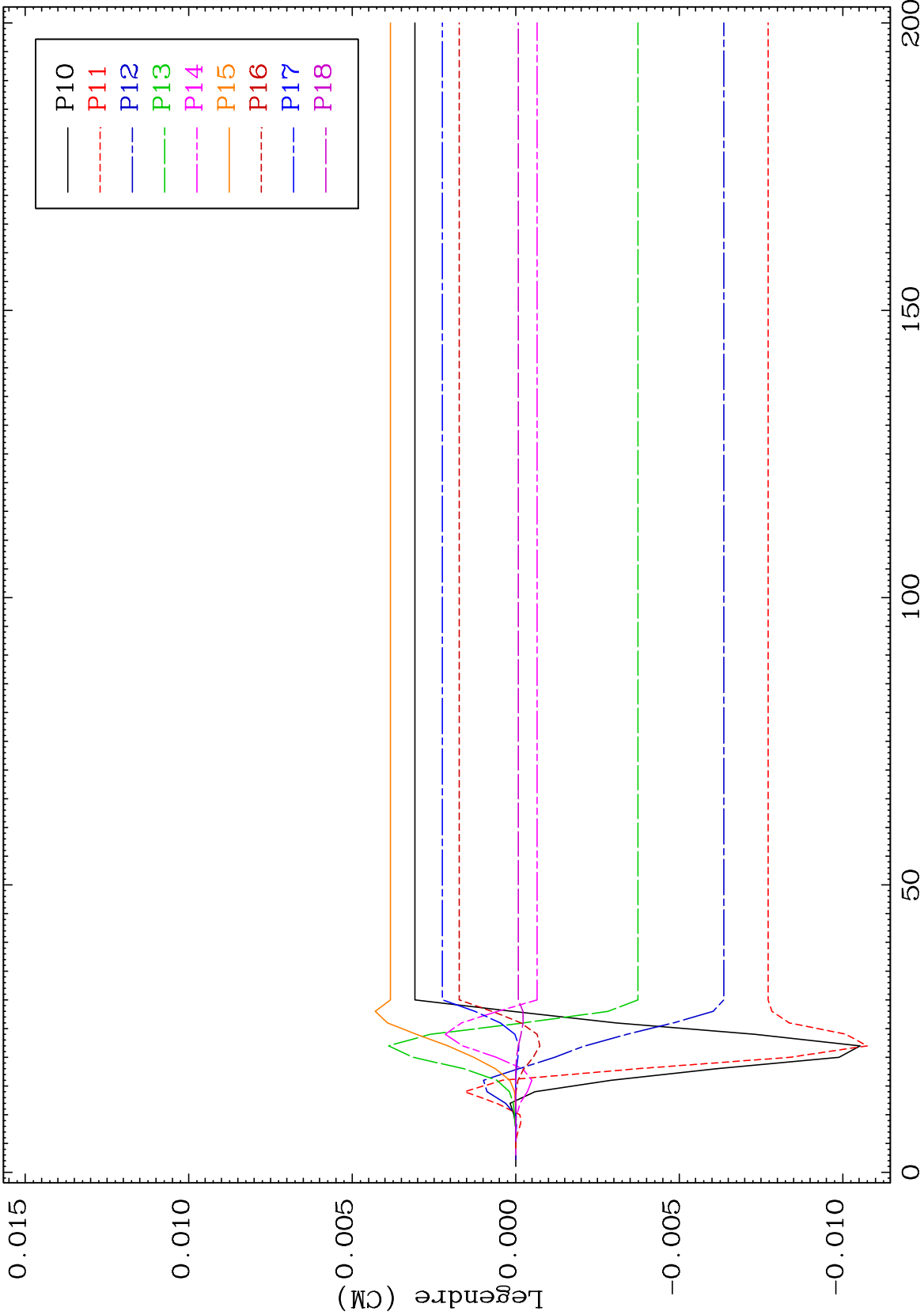
514.4 keV (n,n') Level  
Legendre Coefficients

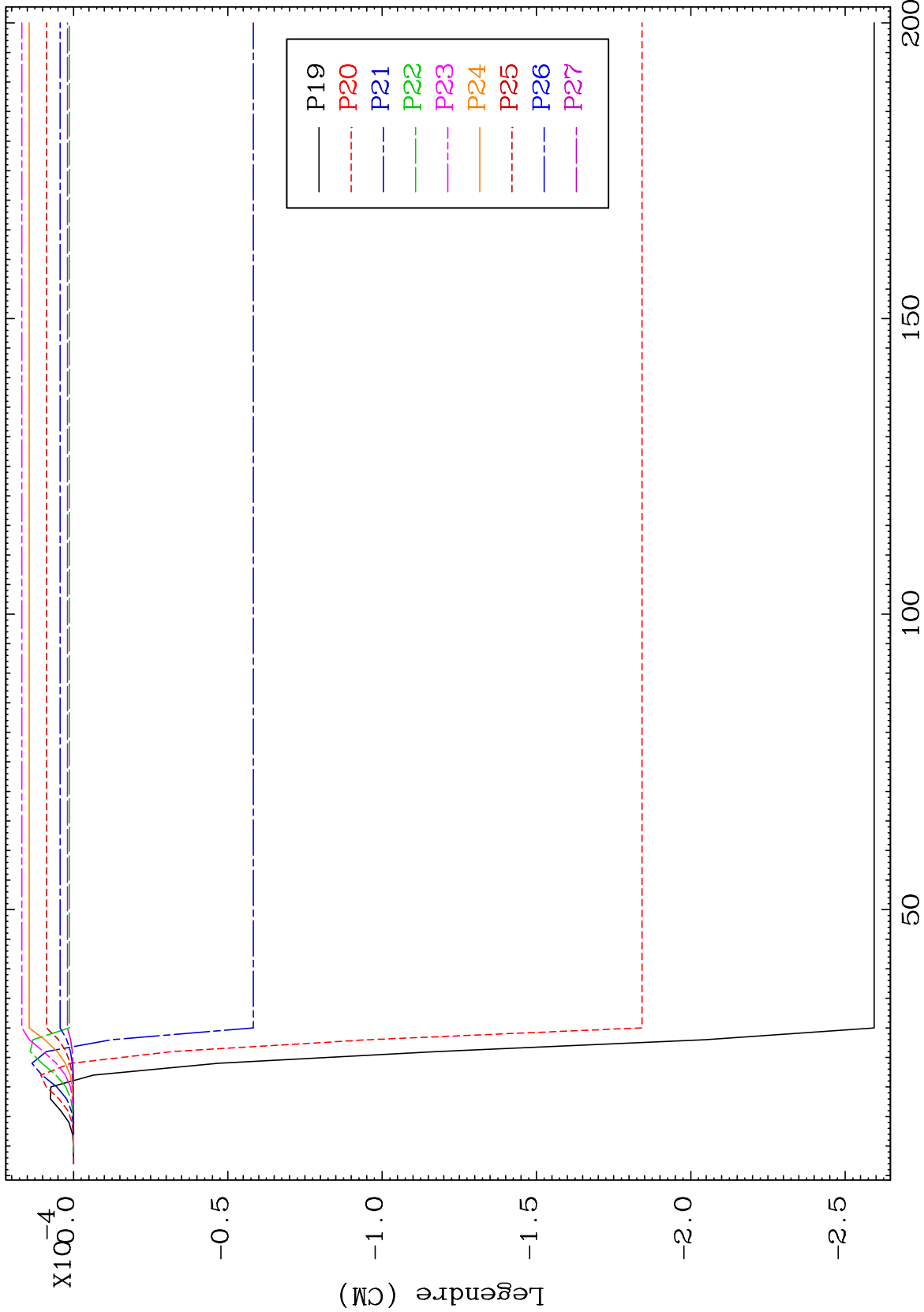
64-Gd-141



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64-Gd-141



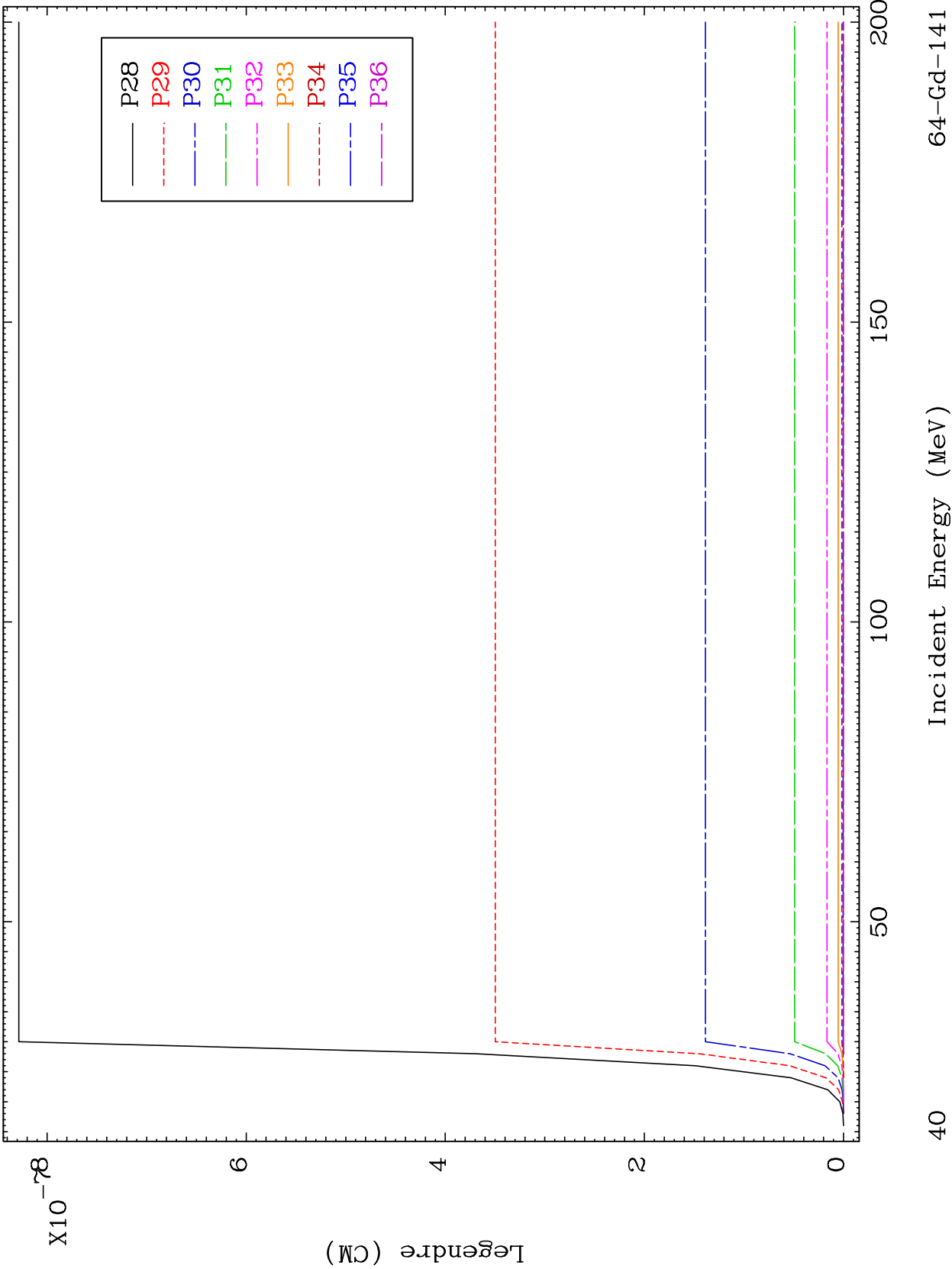




MAT 6392

514.4 keV (n,n') Level  
Legendre Coefficients

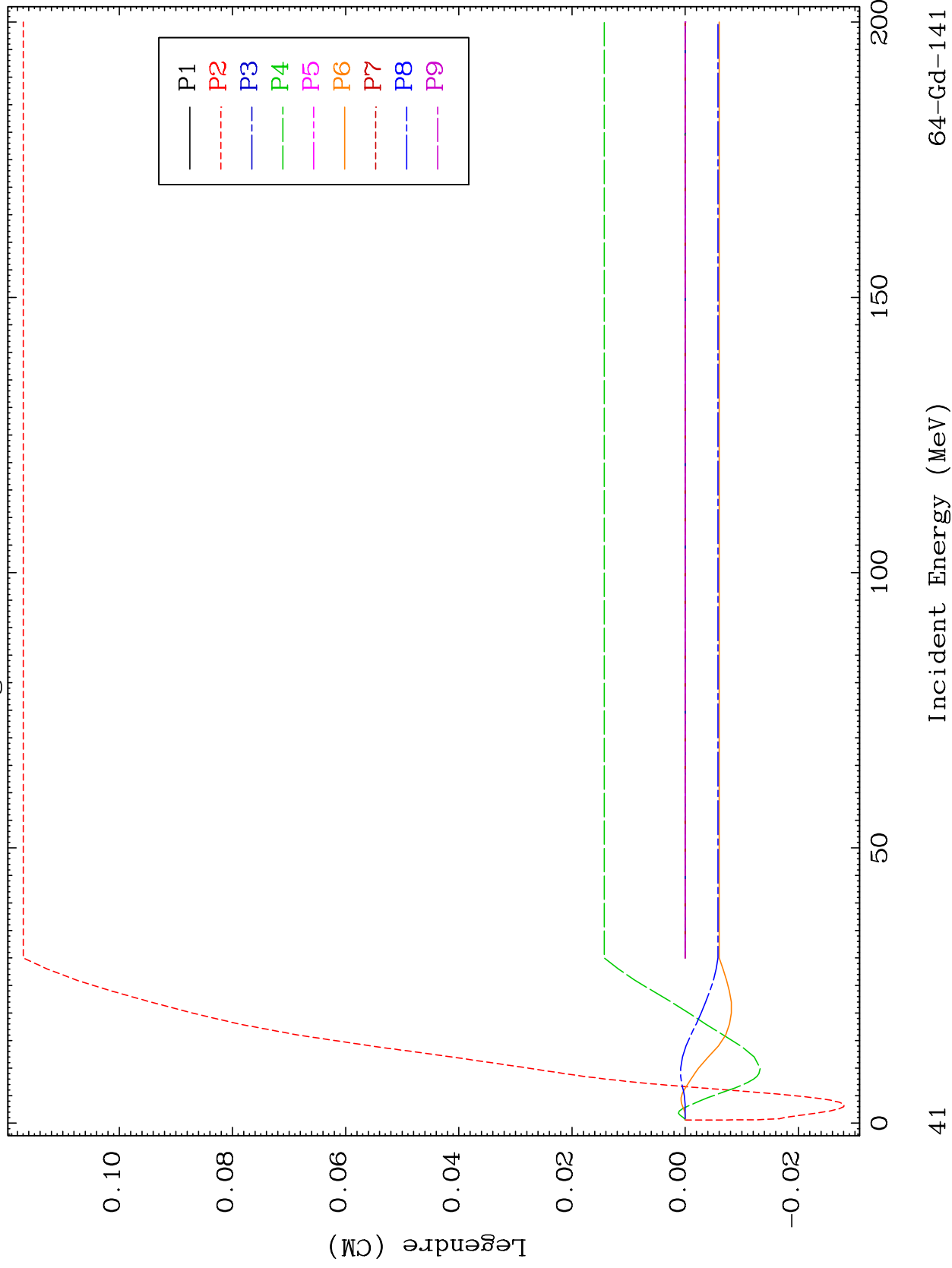
64-Gd-141



MAT 6392

551.6 keV (n, n') Level  
Legendre Coefficients

64-Gd-141

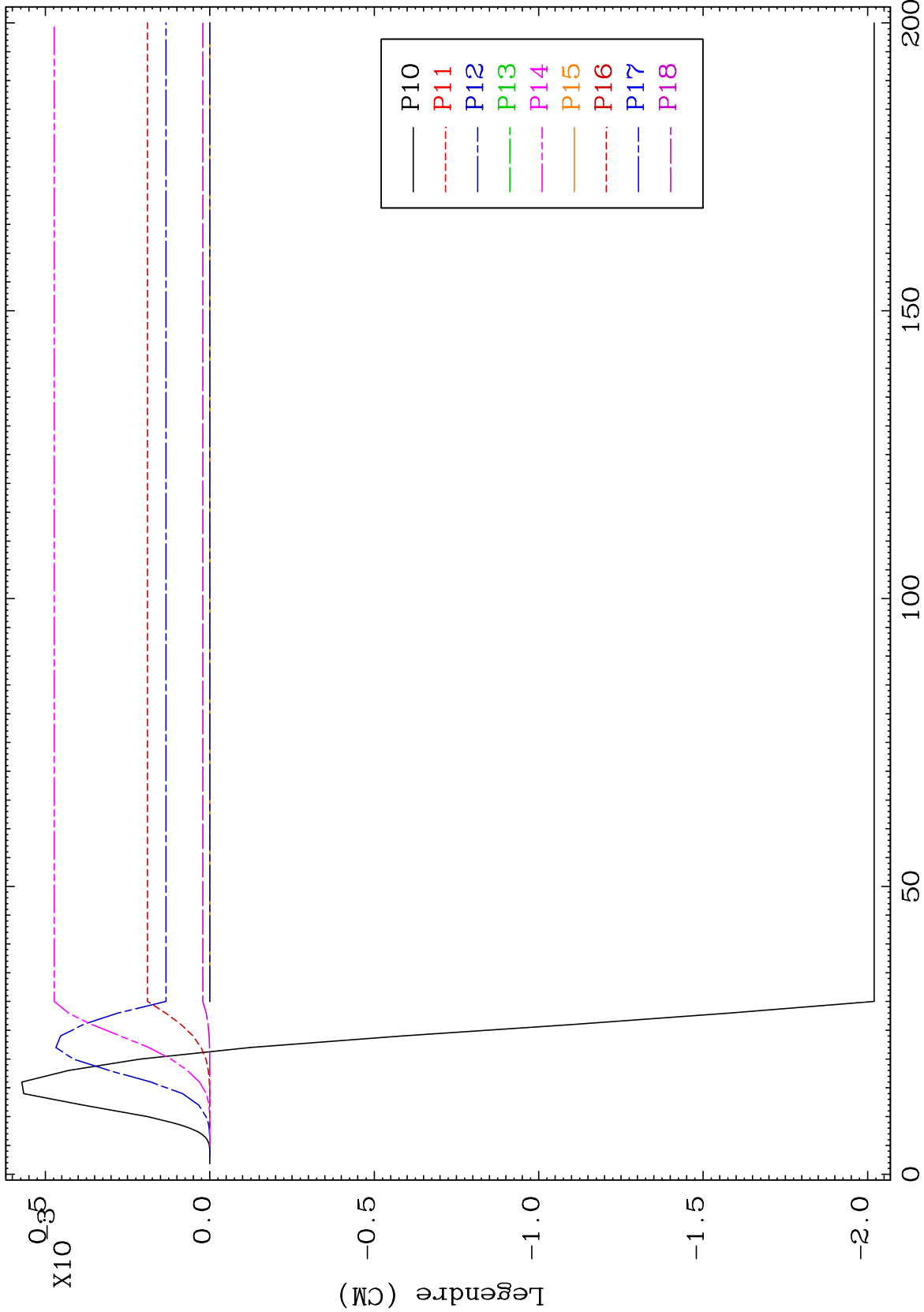


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MAT 6392

551.6 keV (n,n') Level  
Legendre Coefficients

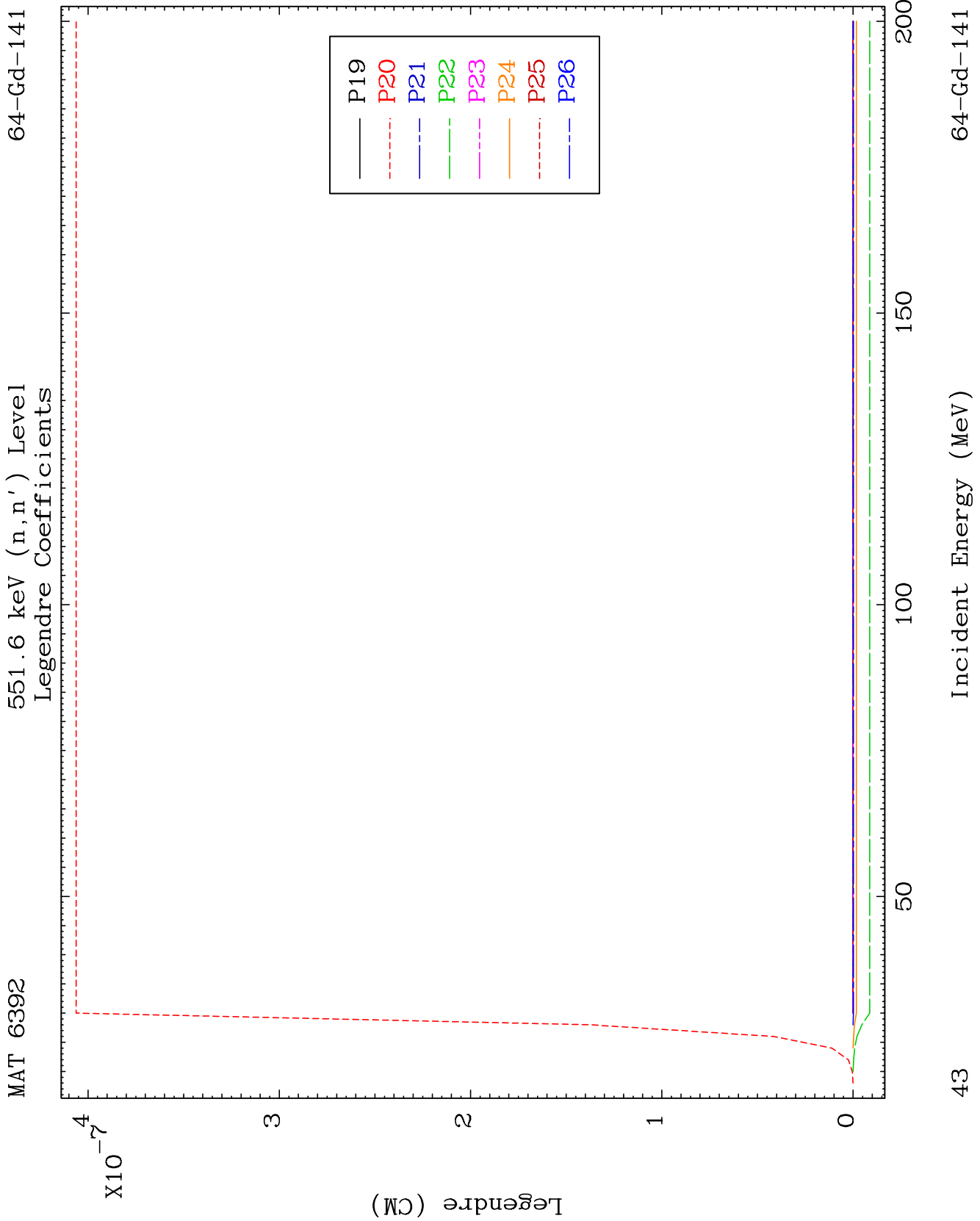
64-Gd-141



42

Incident Energy (MeV)

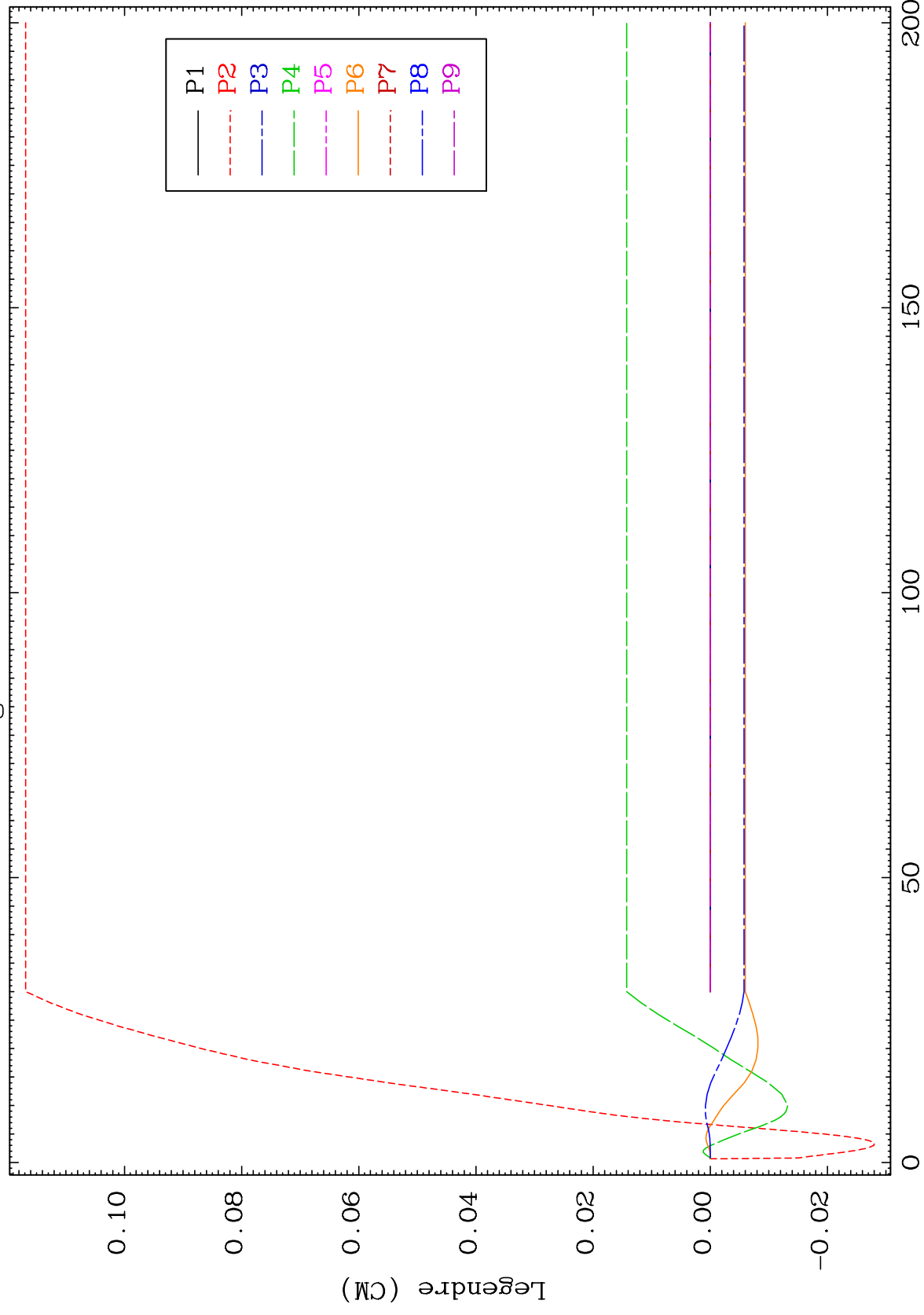
64-Gd-141



MAT 6392

646.1 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



64-Gd-141

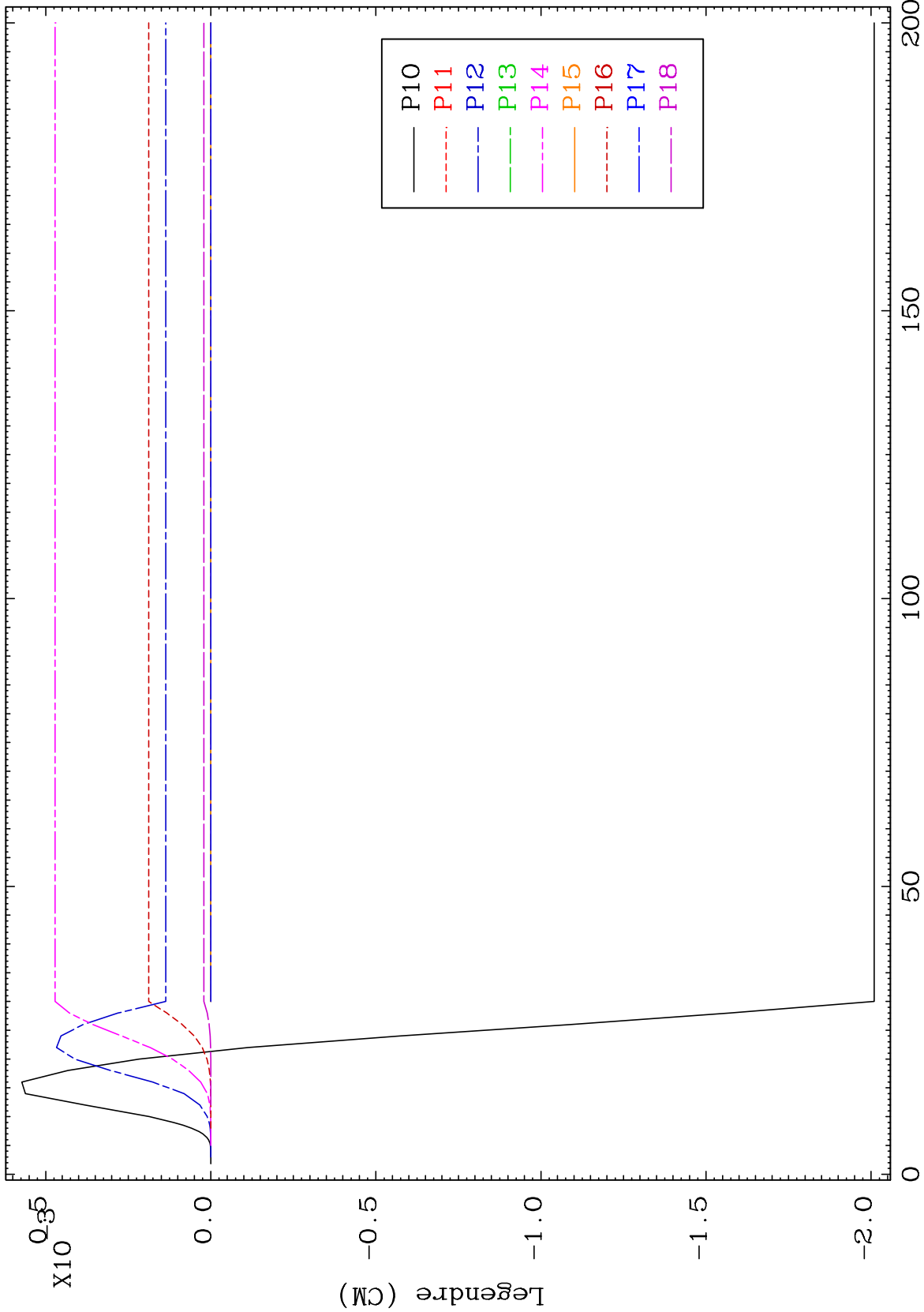
Incident Energy (MeV)

44

MAT 6392

646.1 keV (n,n') Level  
Legendre Coefficients

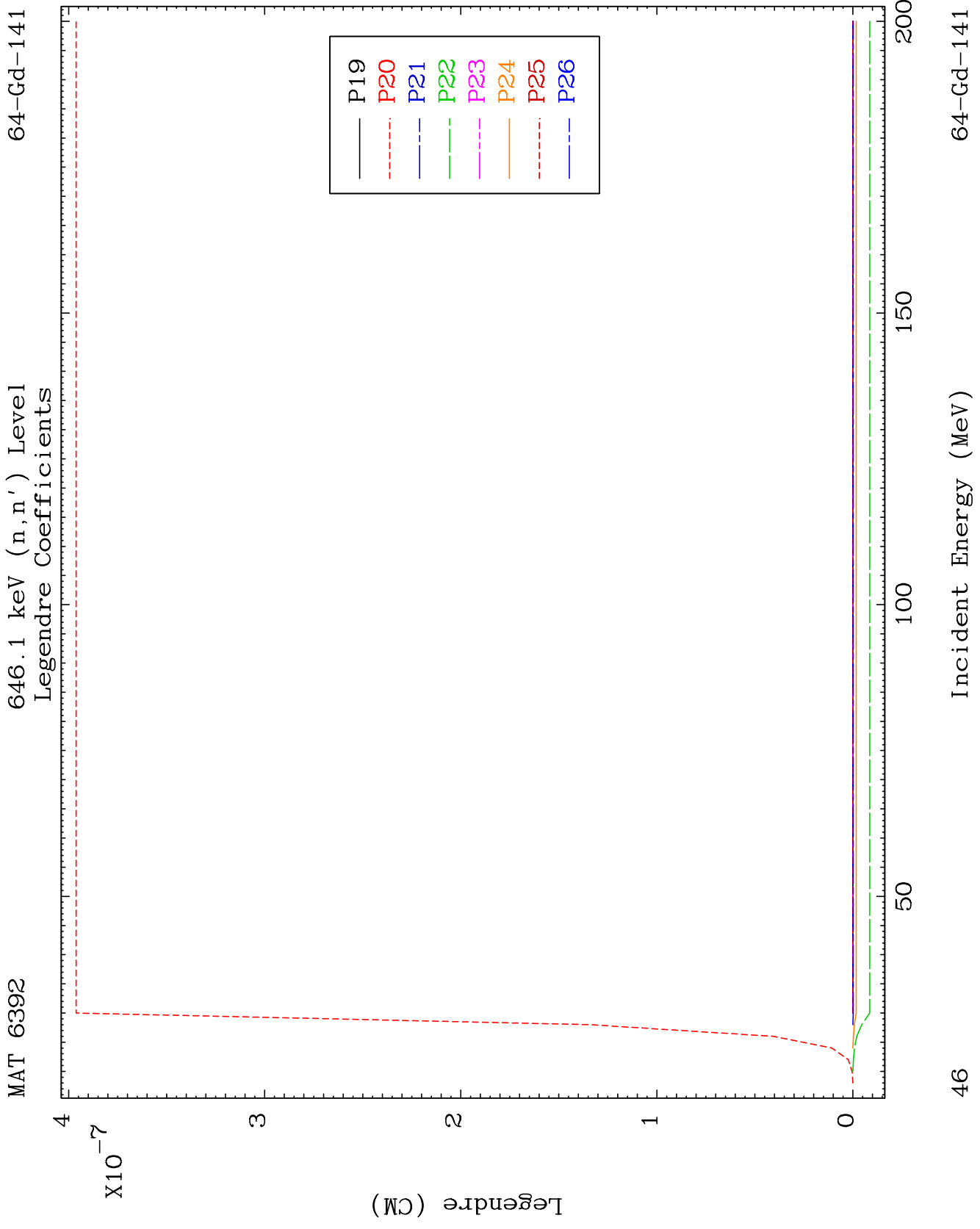
64-Gd-141



45

Incident Energy (MeV)

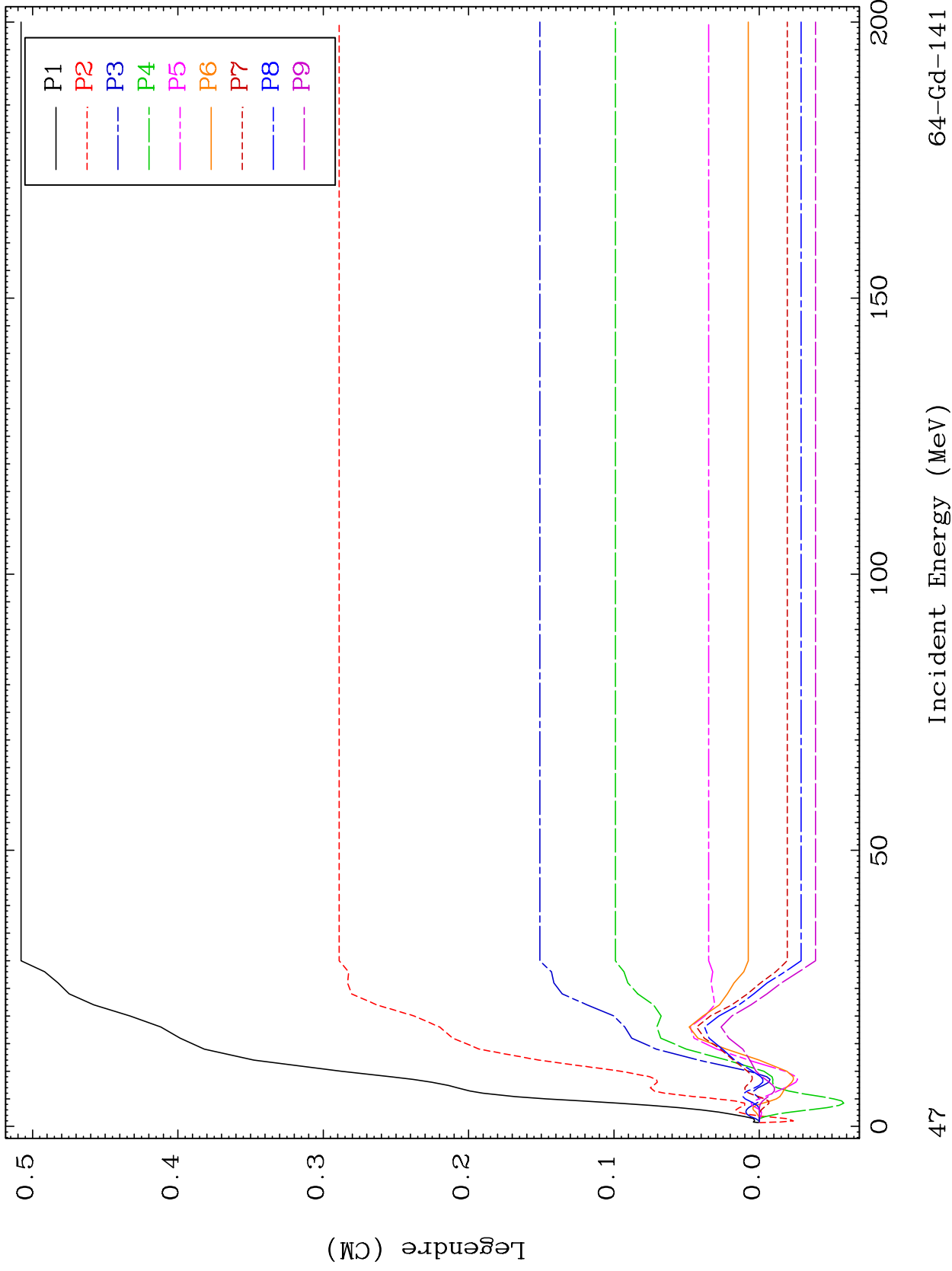
64-Gd-141



MAT 6392

661.4 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



64-Gd-141

Incident Energy (MeV)

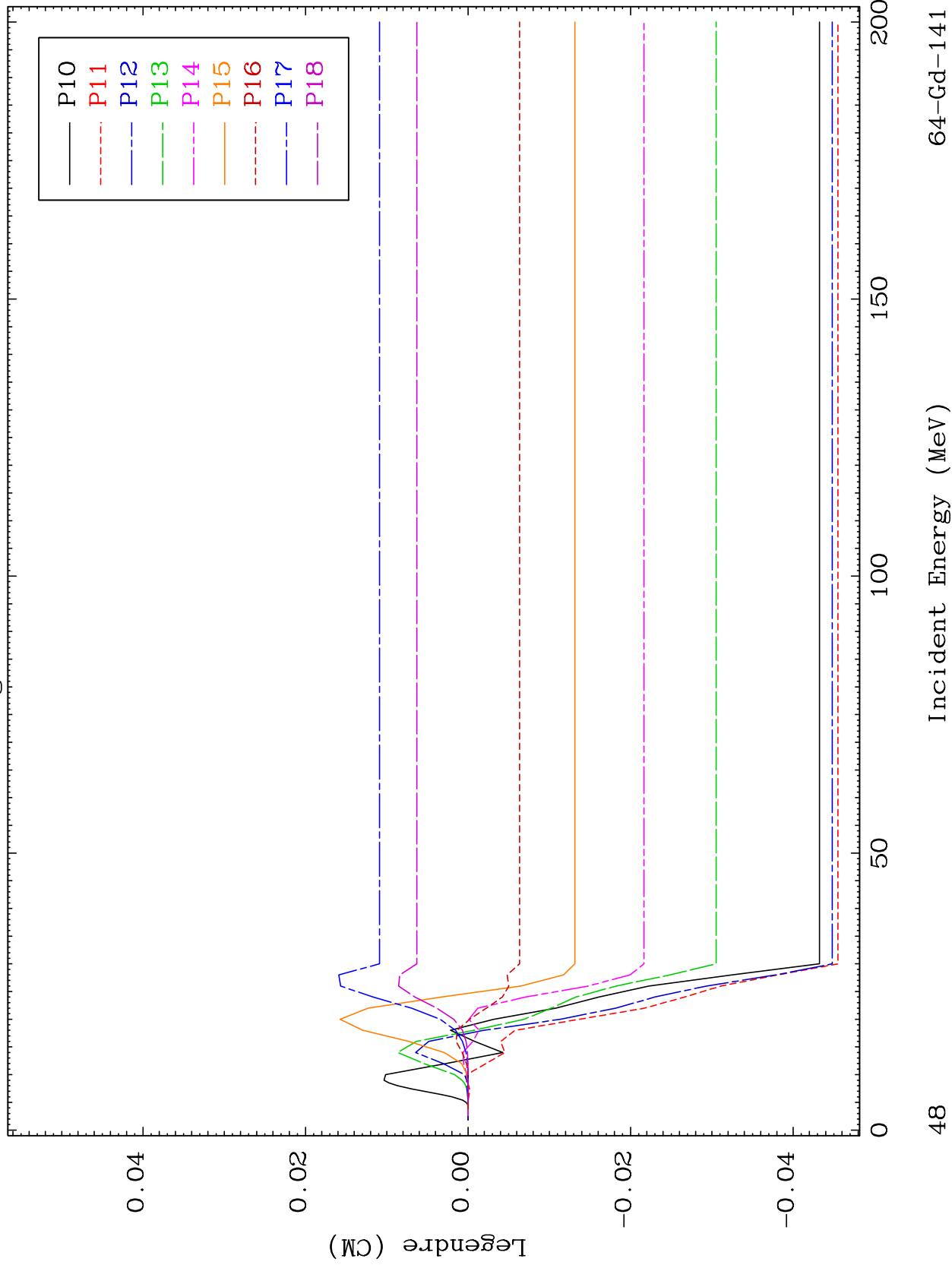
47



MAT 6392

661.4 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



64-Gd-141

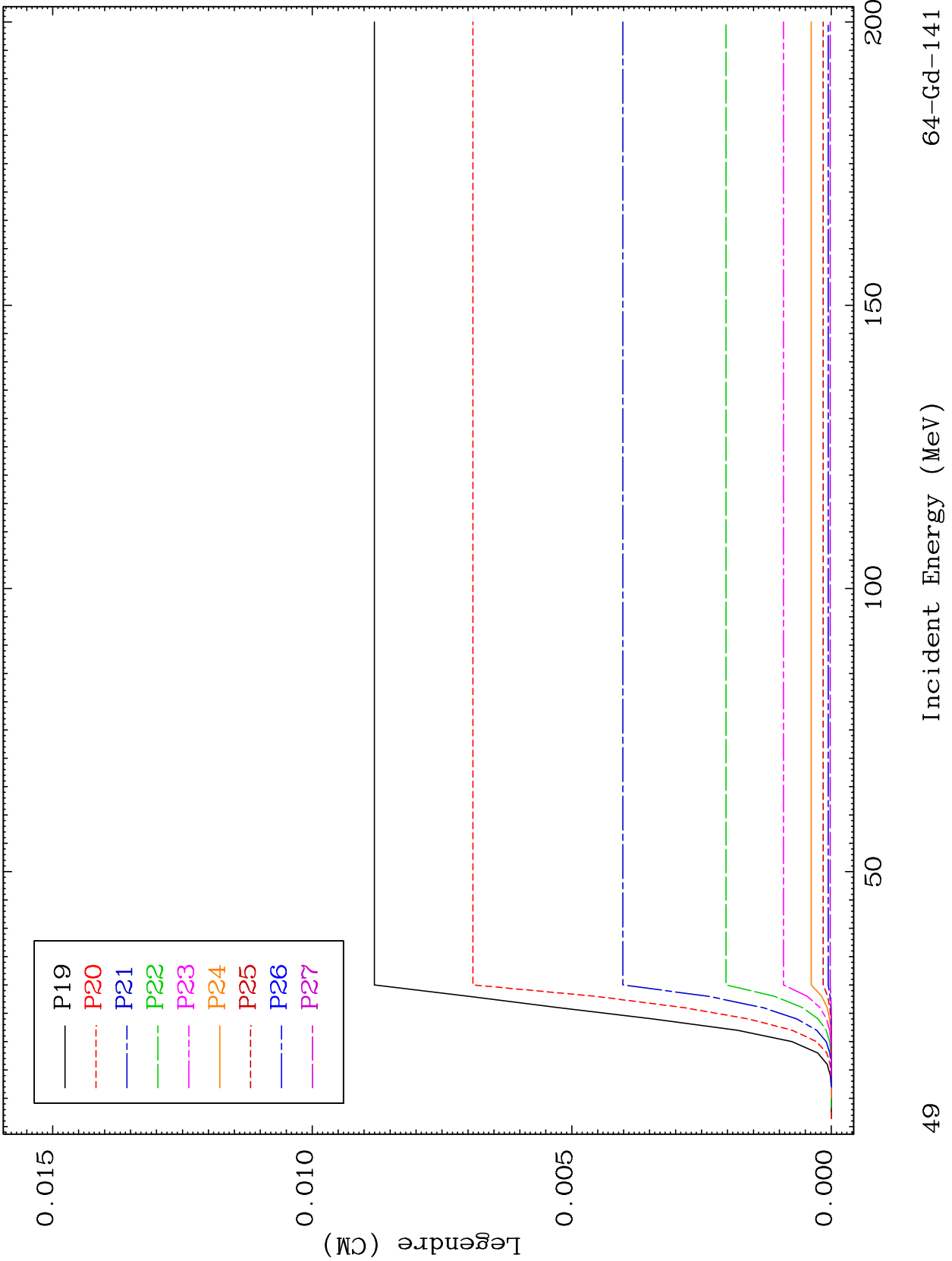
Incident Energy (MeV)

48

MAT 6392

661.4 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



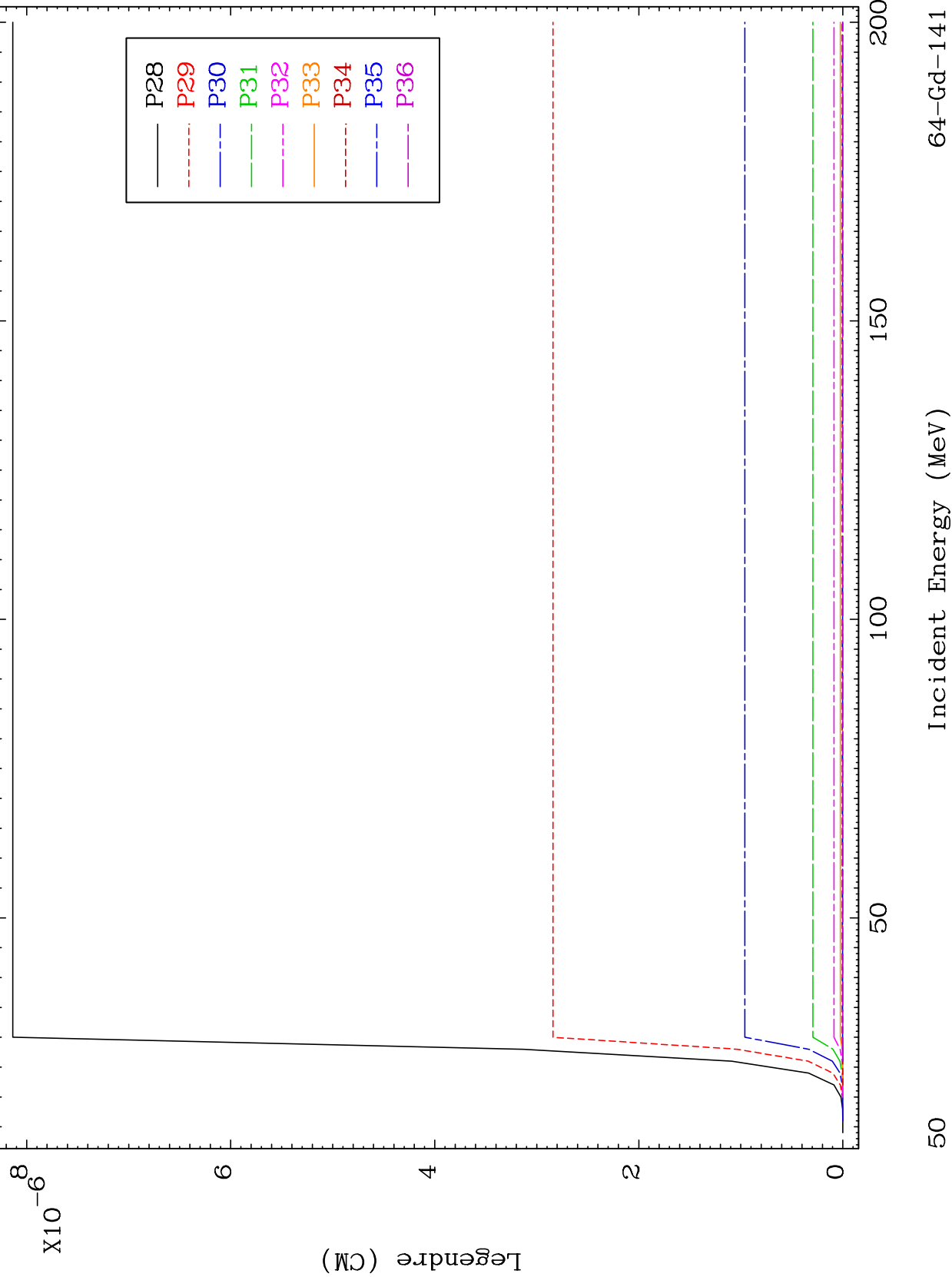
49

200

MAT 6392

661.4 keV (n,n') Level  
Legendre Coefficients

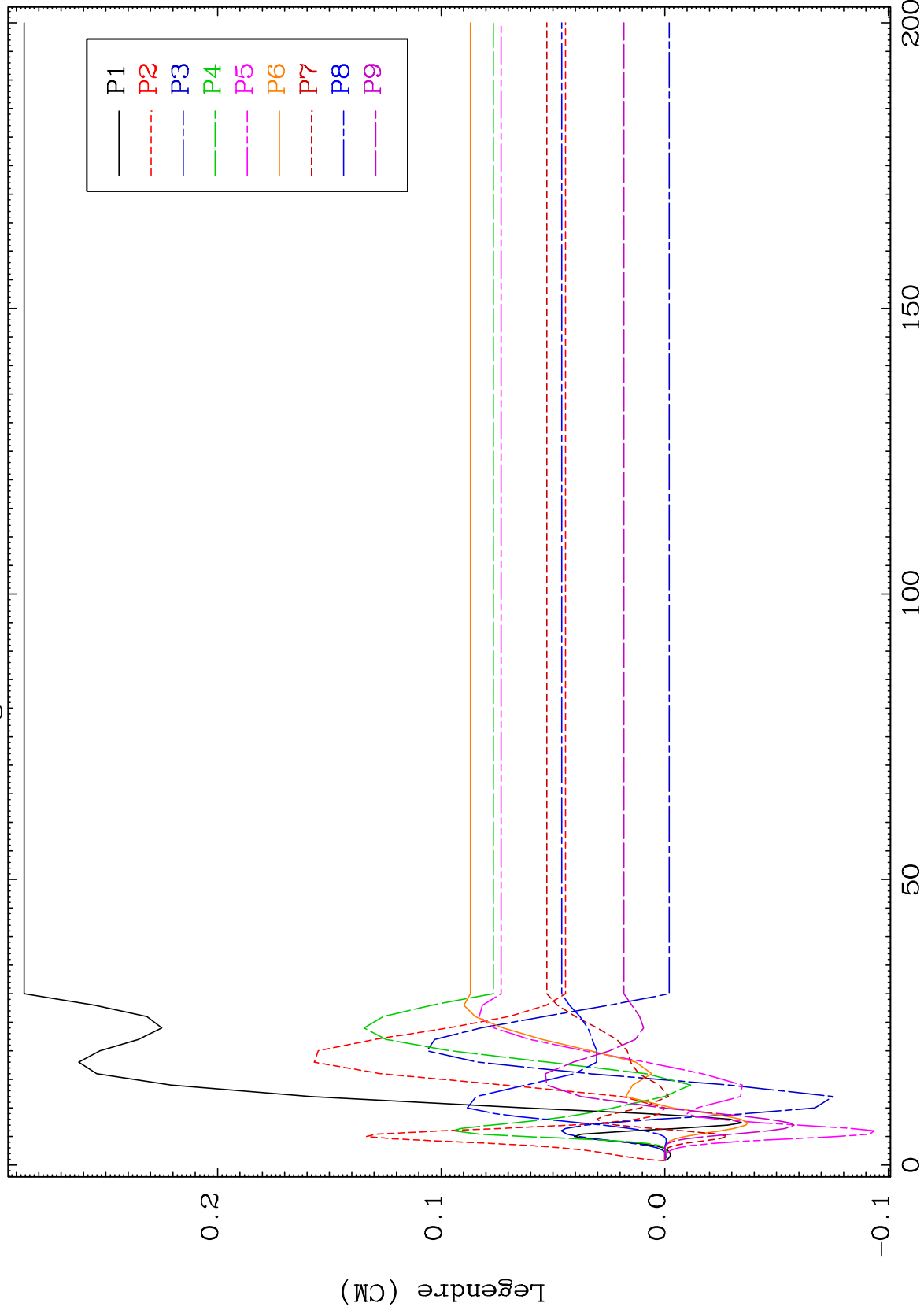
64-Gd-141



MAT 6392

752.6 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



51

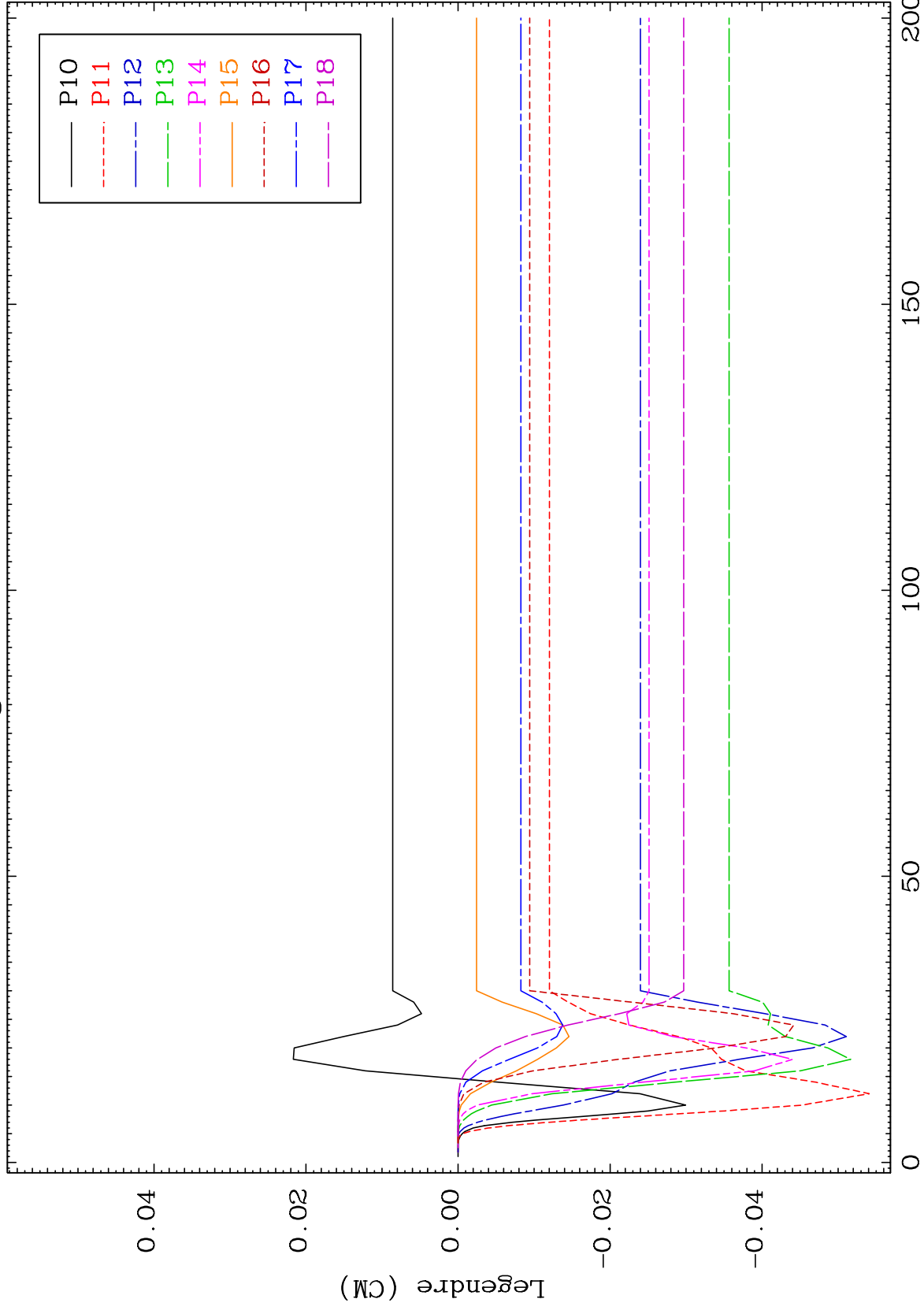
Incident Energy (MeV)

64-Gd-141

MAT 6392

752.6 keV (n,n') Level  
Legendre Coefficients

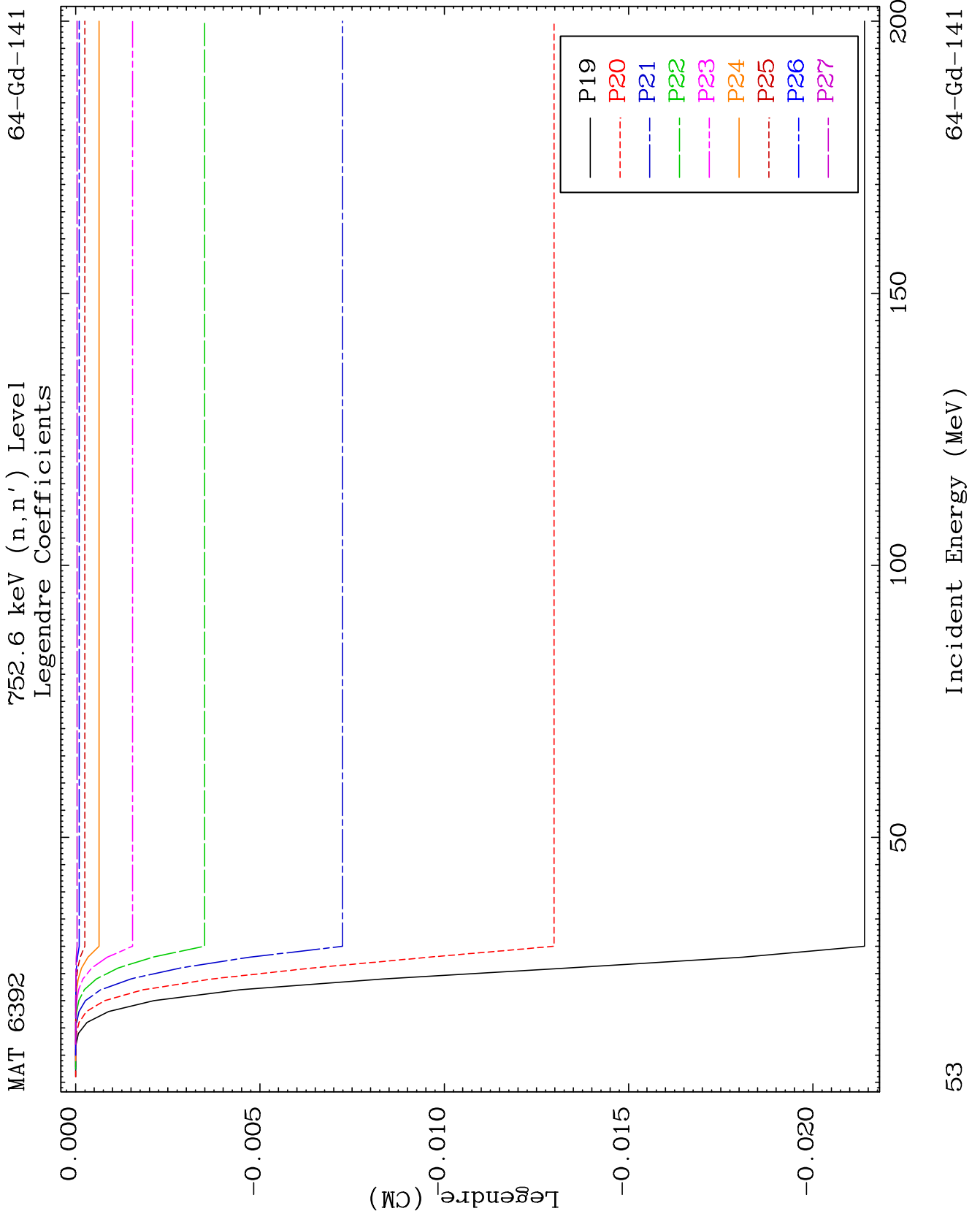
64-Gd-141

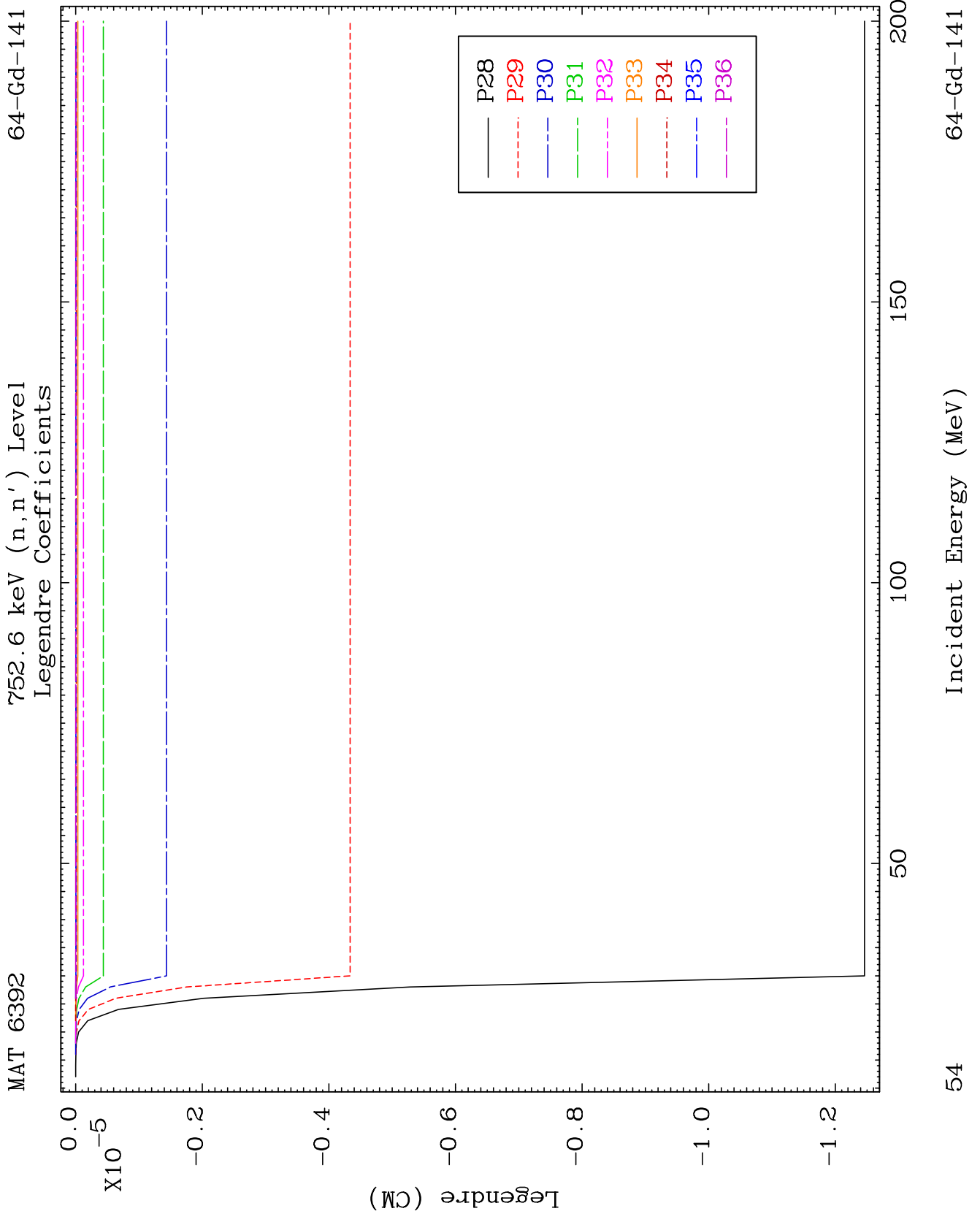


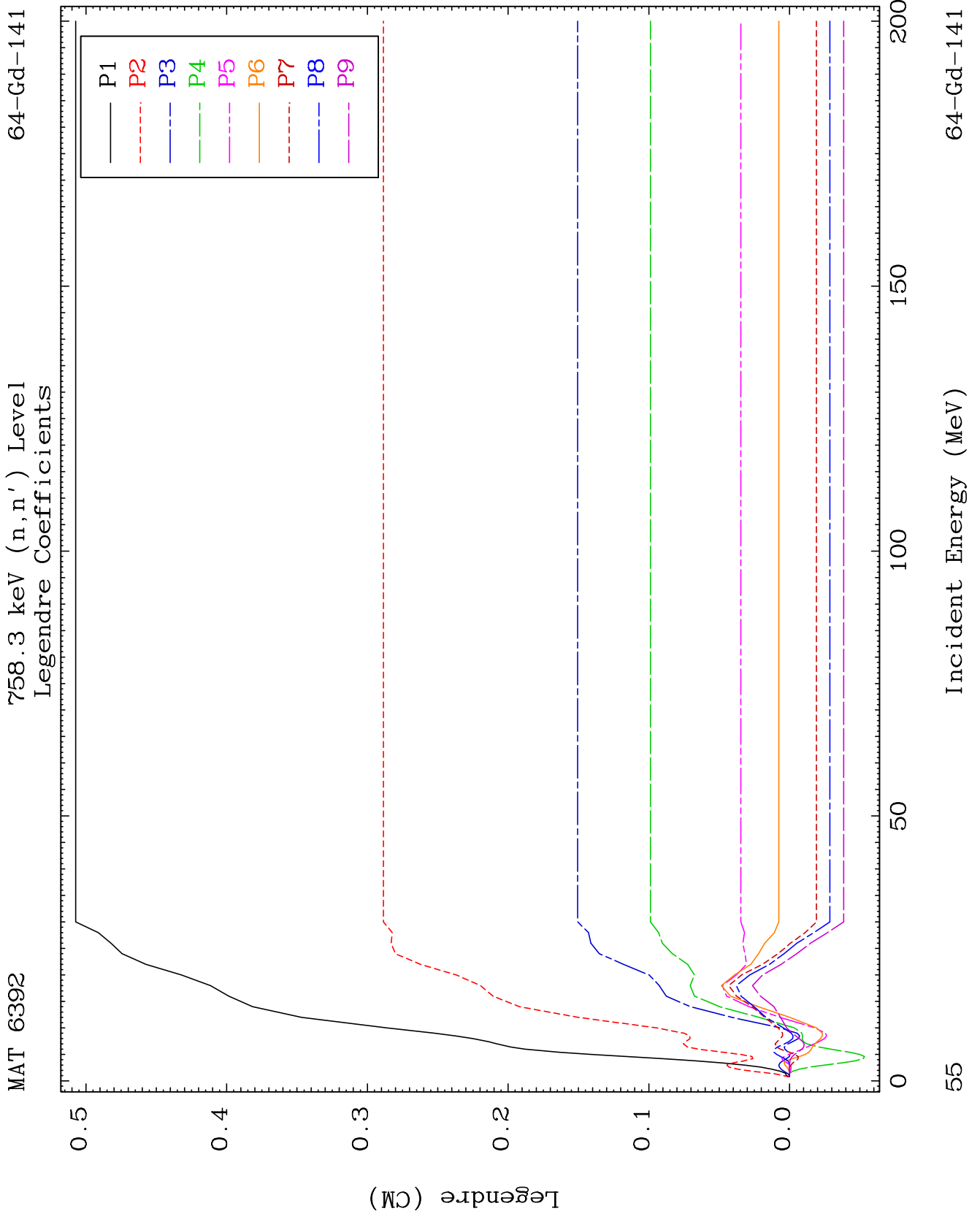
52

Incident Energy (MeV)

64-Gd-141





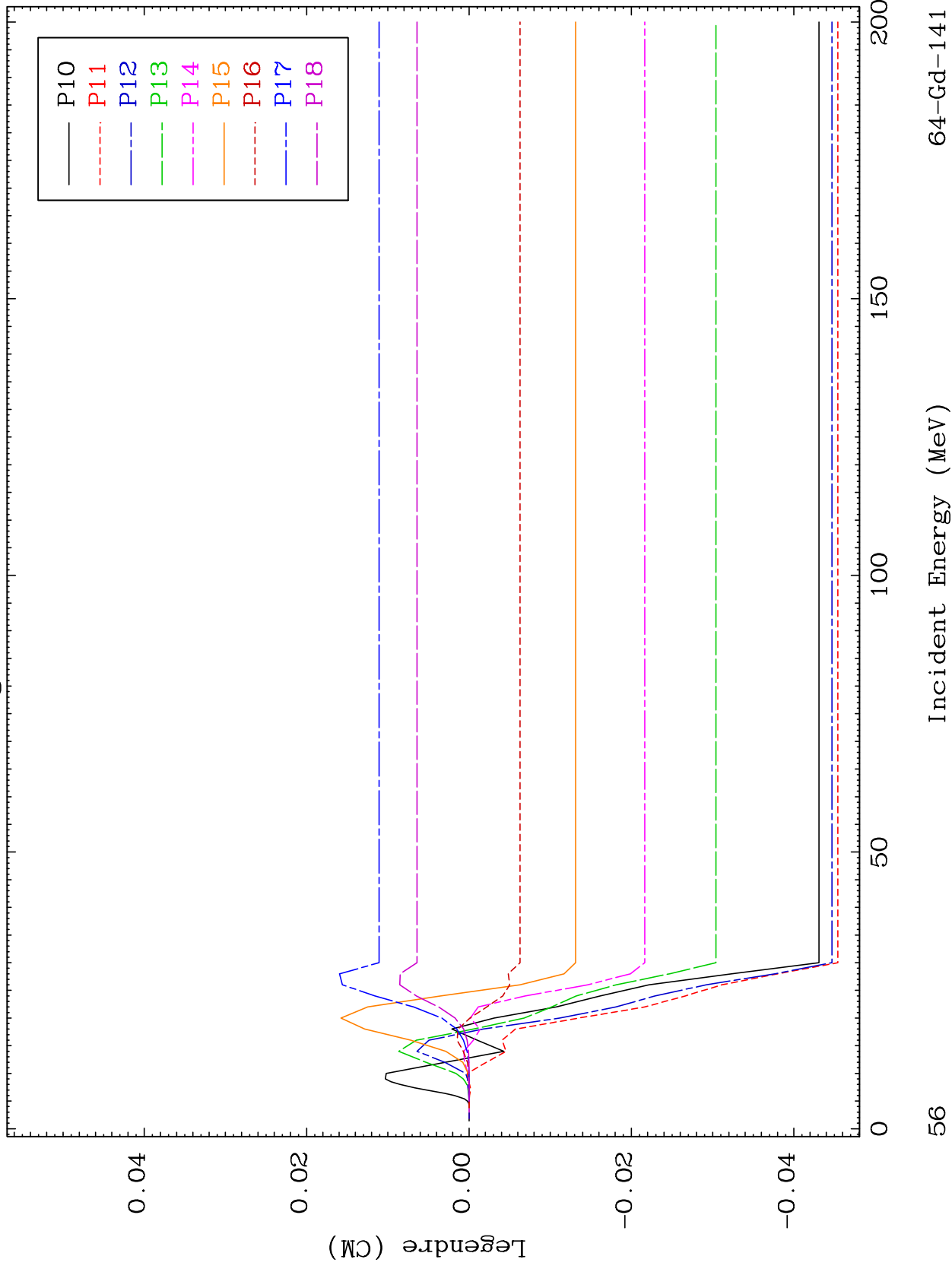




MAT 6392

758.3 keV (n,n') Level  
Legendre Coefficients

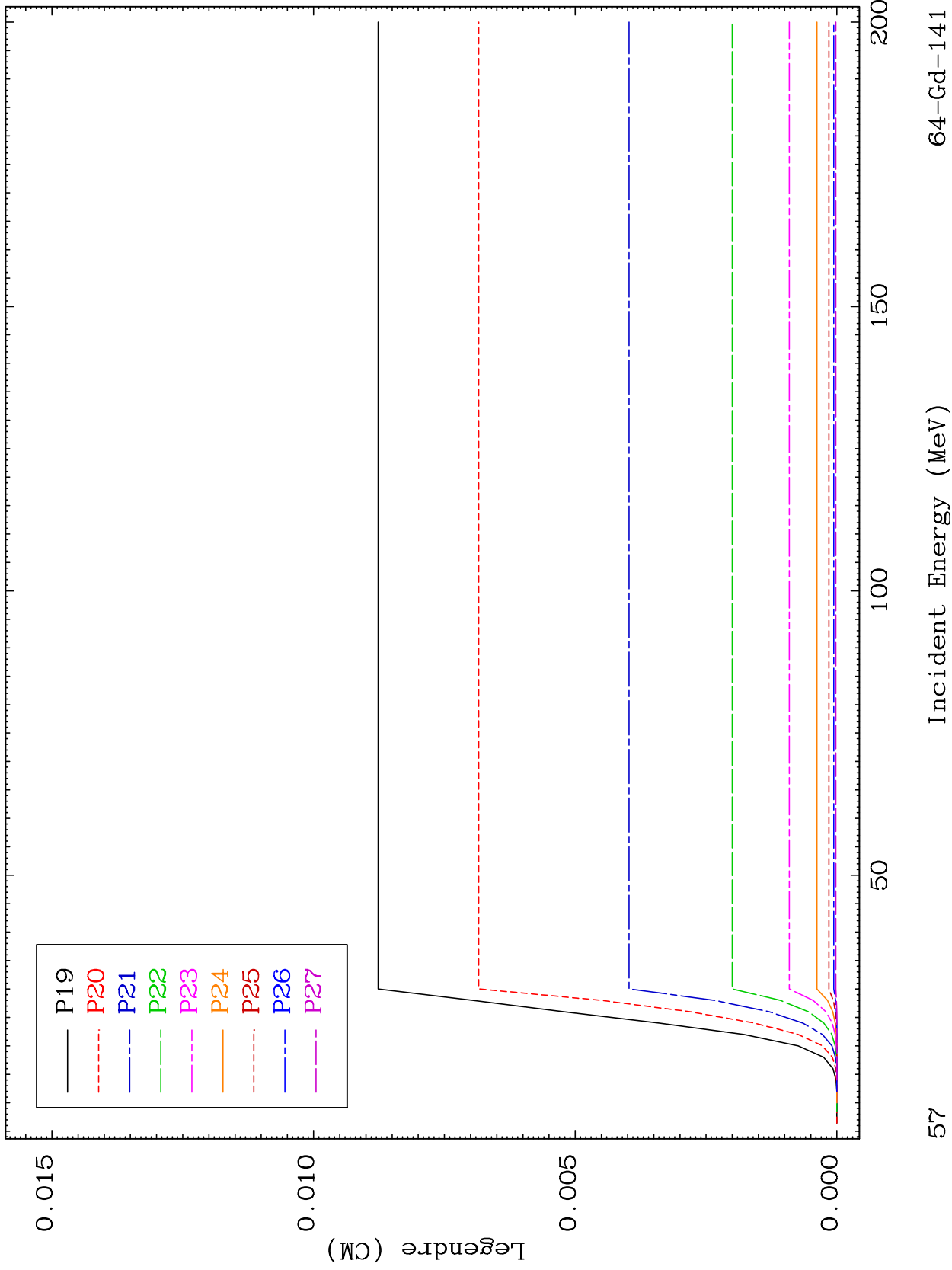
64-Gd-141



56

Incident Energy (MeV)

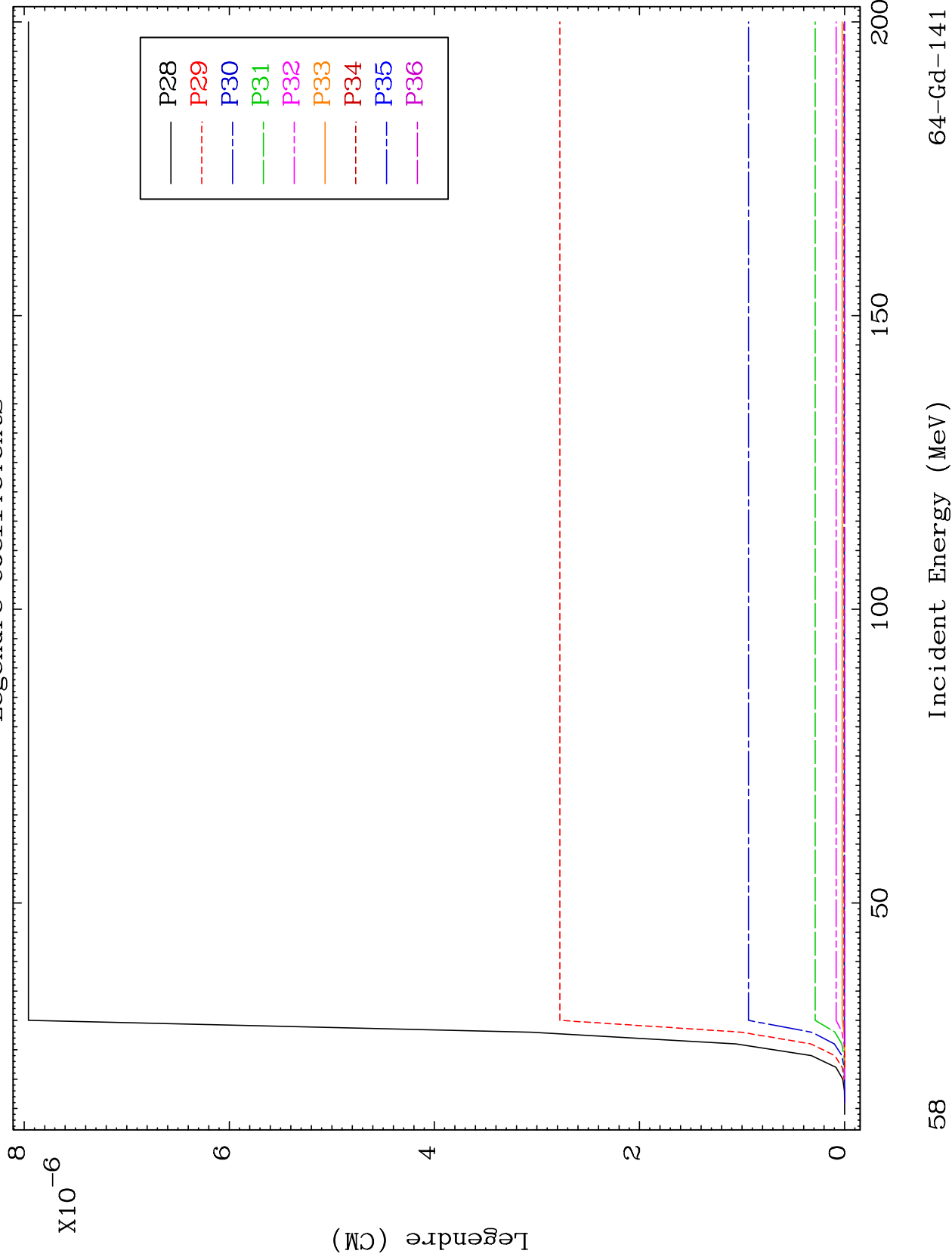
64-Gd-141



MAT 6392

758.3 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



58

Incident Energy (MeV)

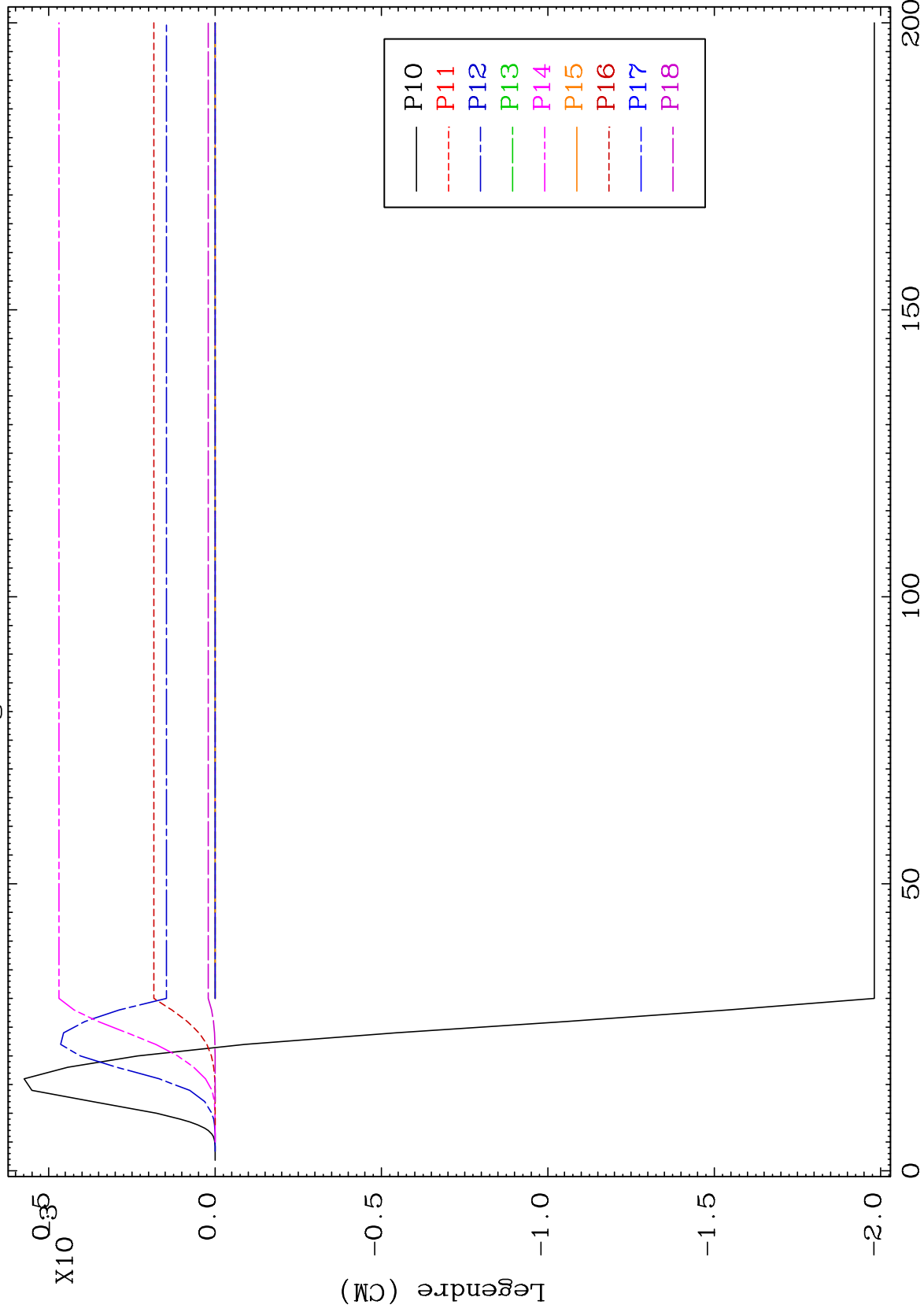
64-Gd-141



MAT 6392

895.2 keV (n,n') Level  
Legendre Coefficients

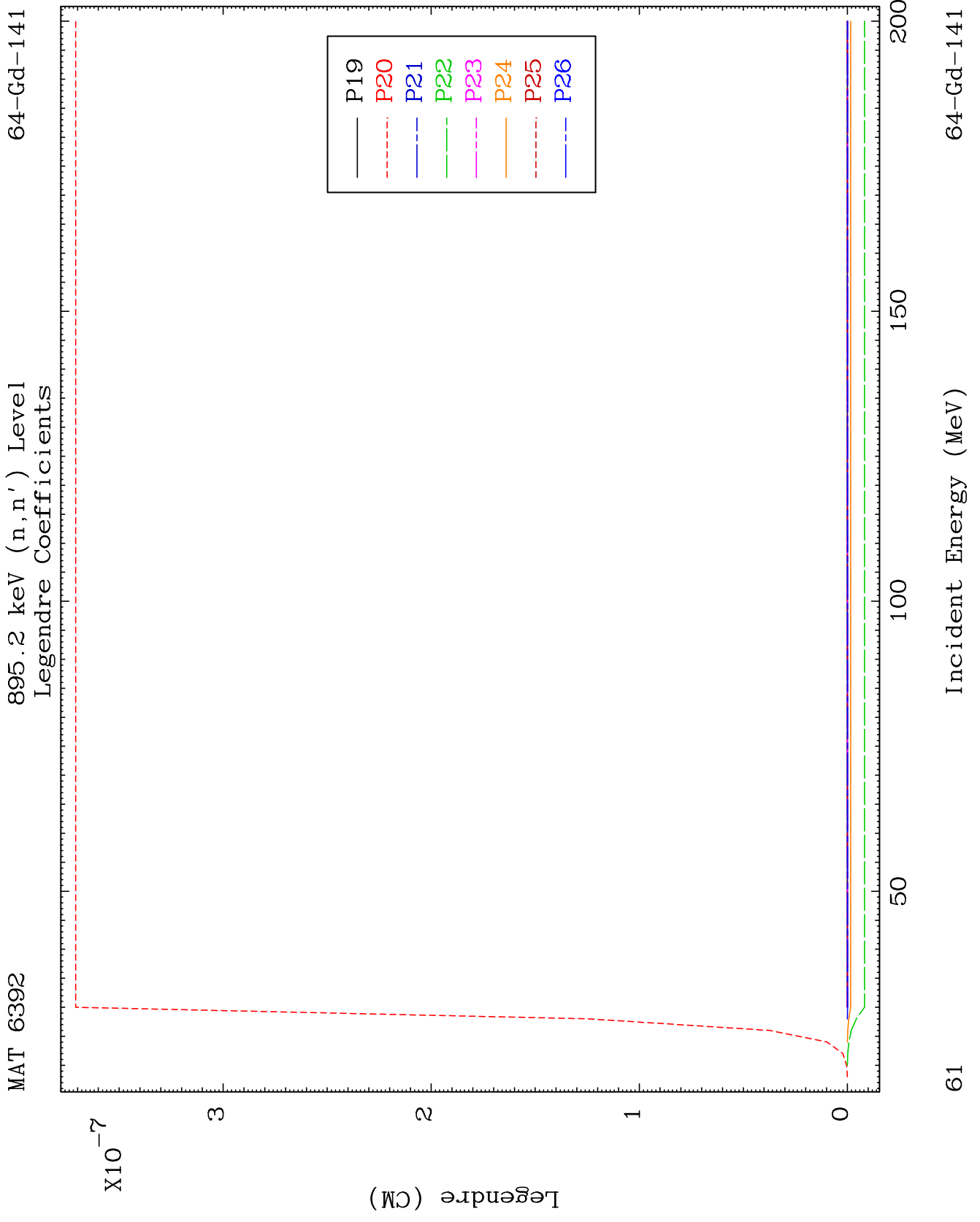
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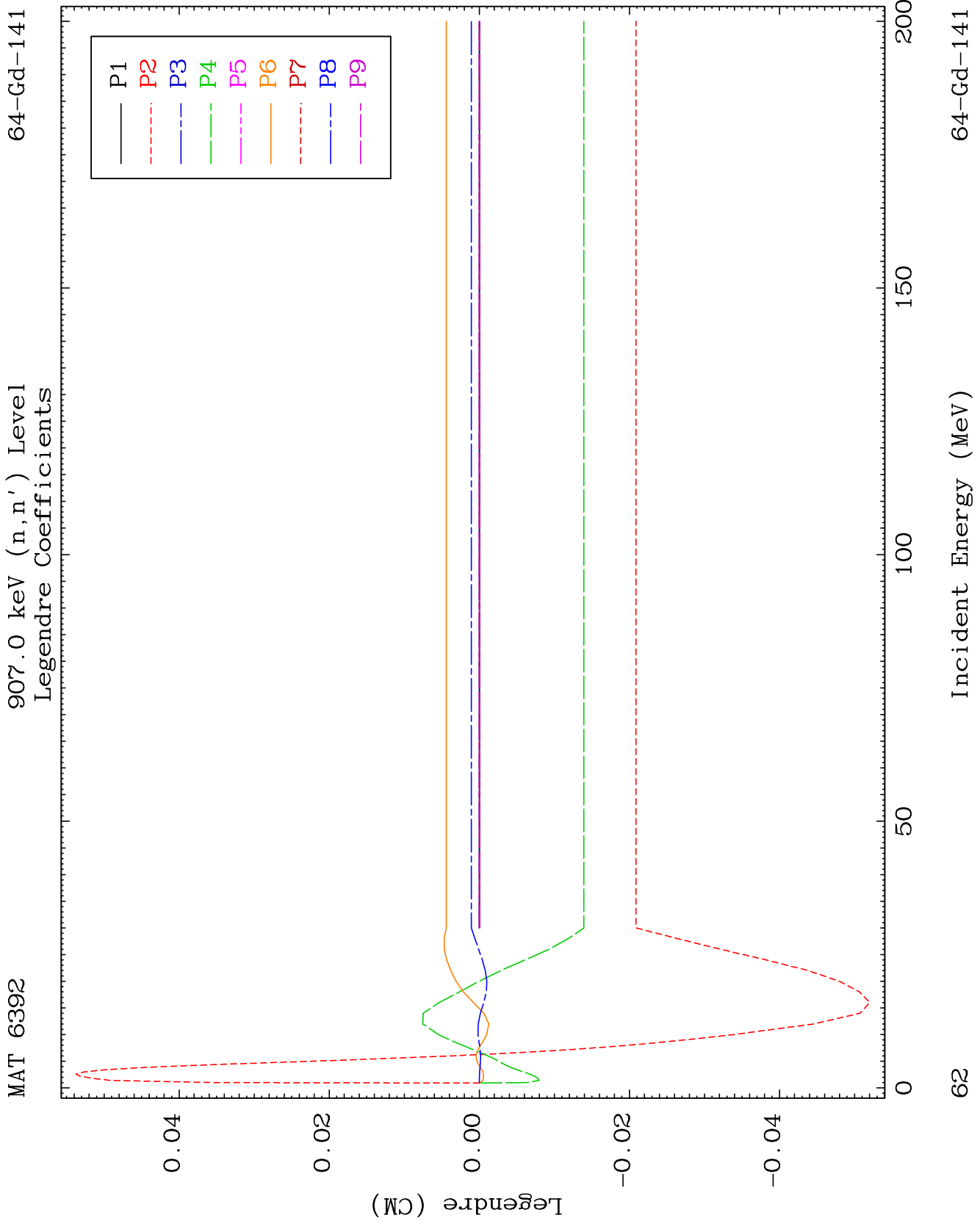


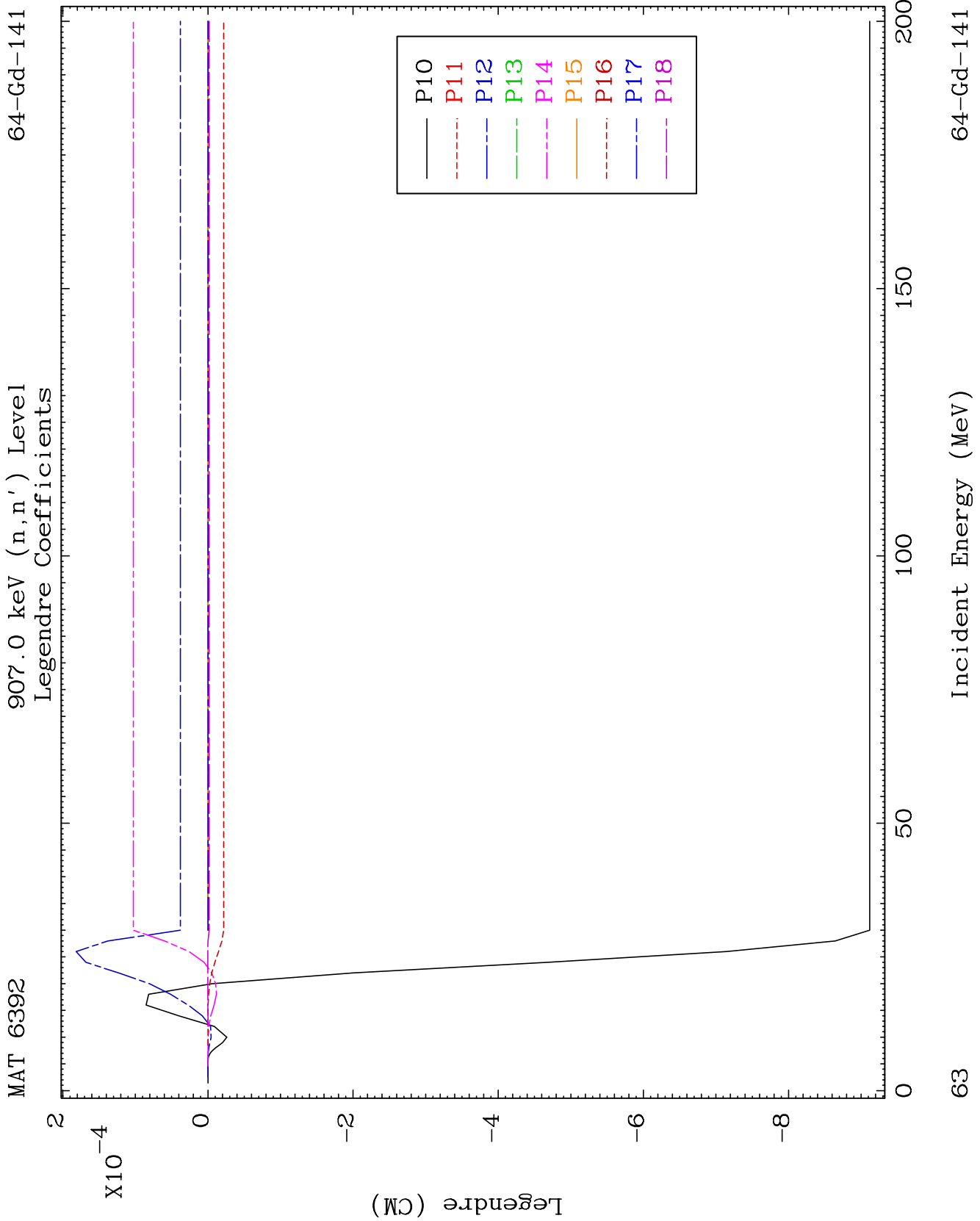
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Incident Energy (MeV)

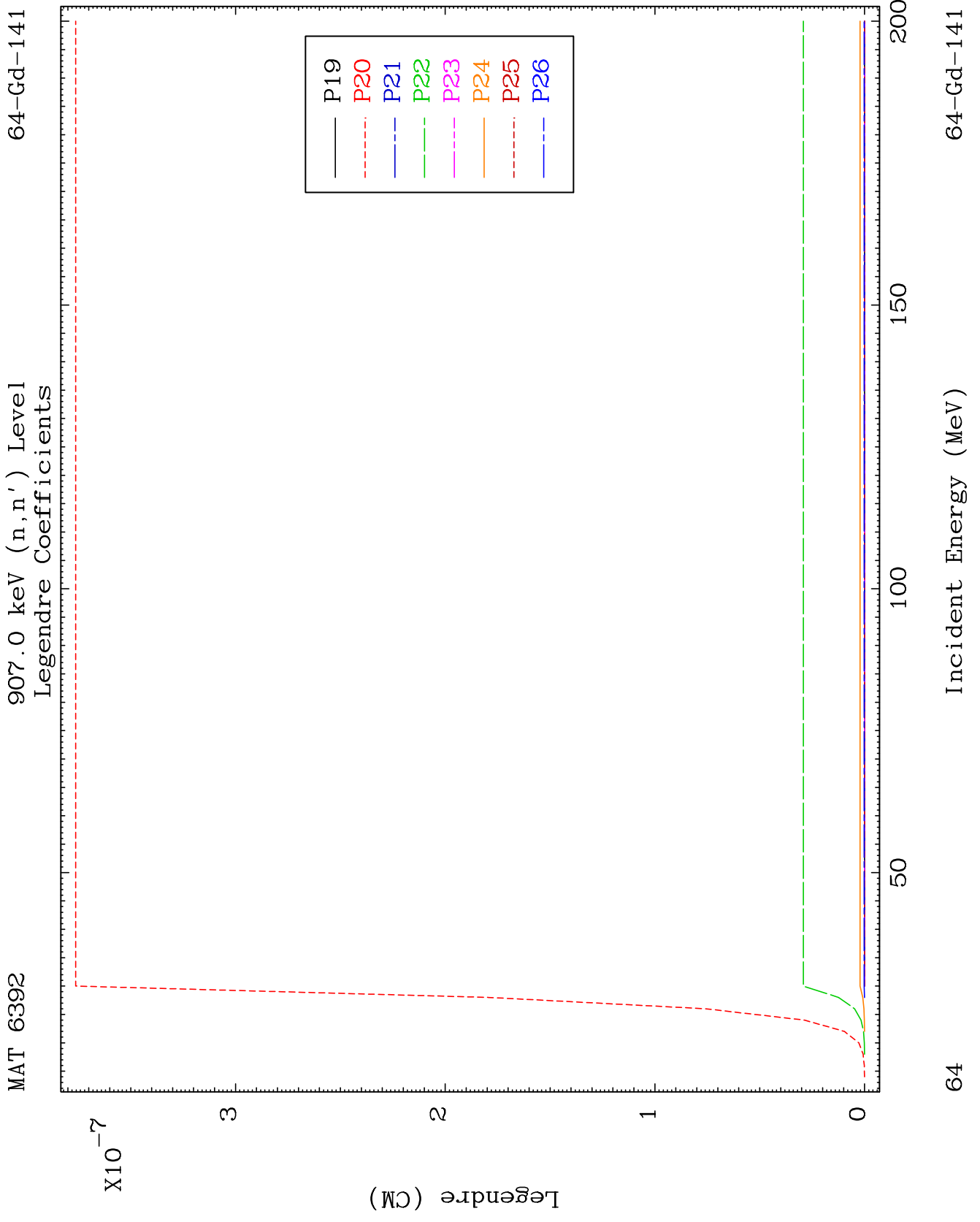
64-Gd-141







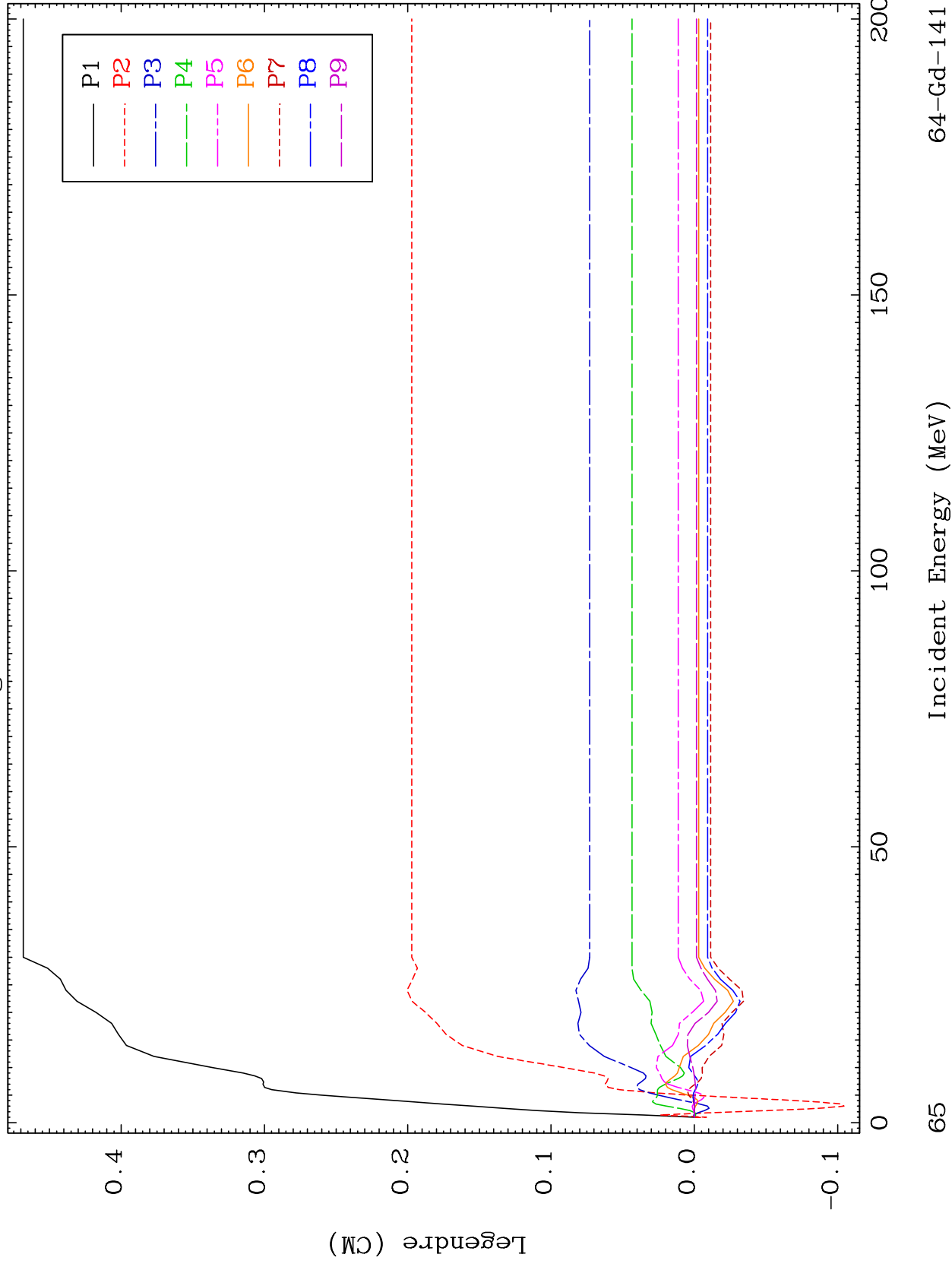




MAT 6392

940.5 keV (n,n') Level  
Legendre Coefficients

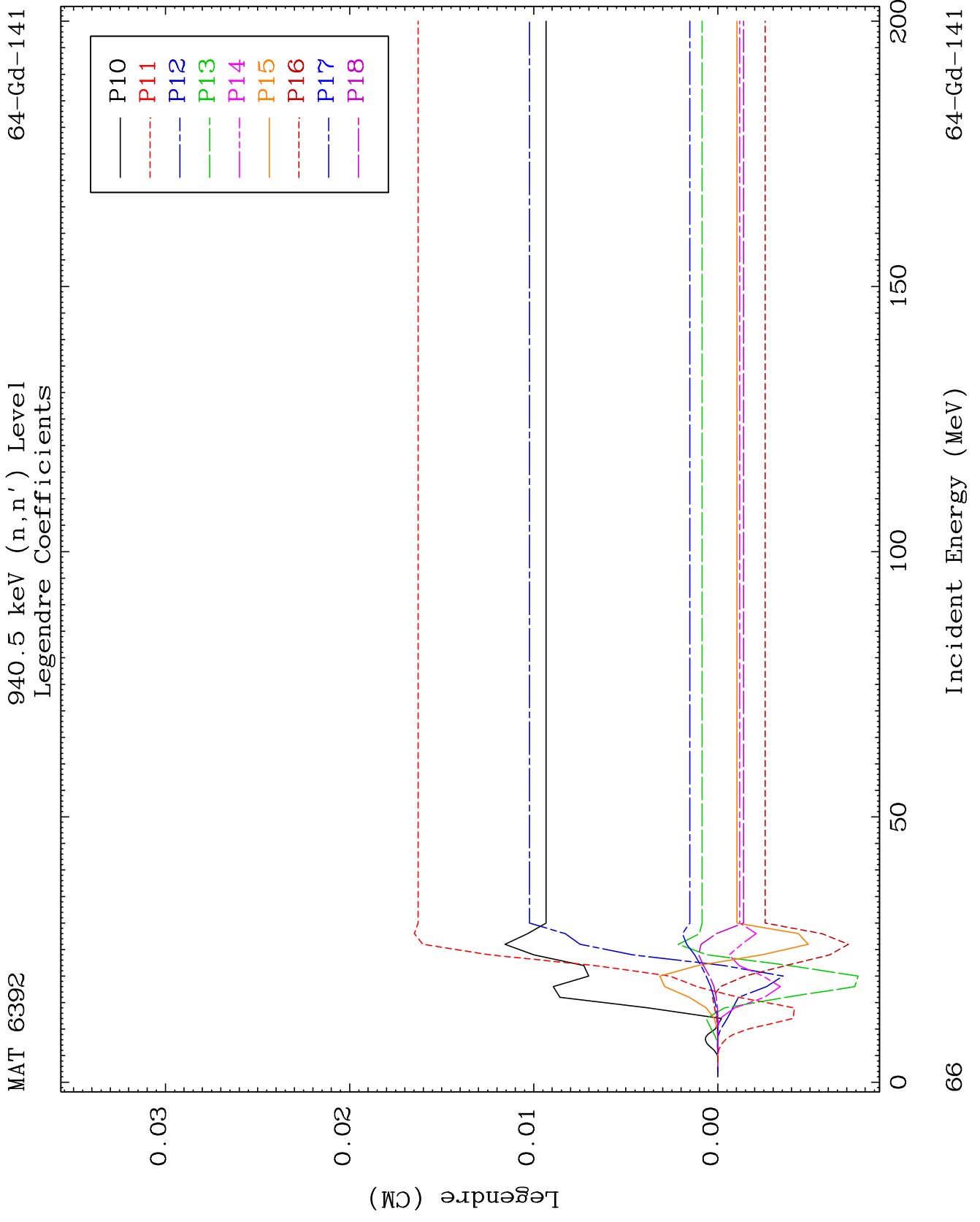
64-Gd-141



64-Gd-141

Incident Energy (MeV)

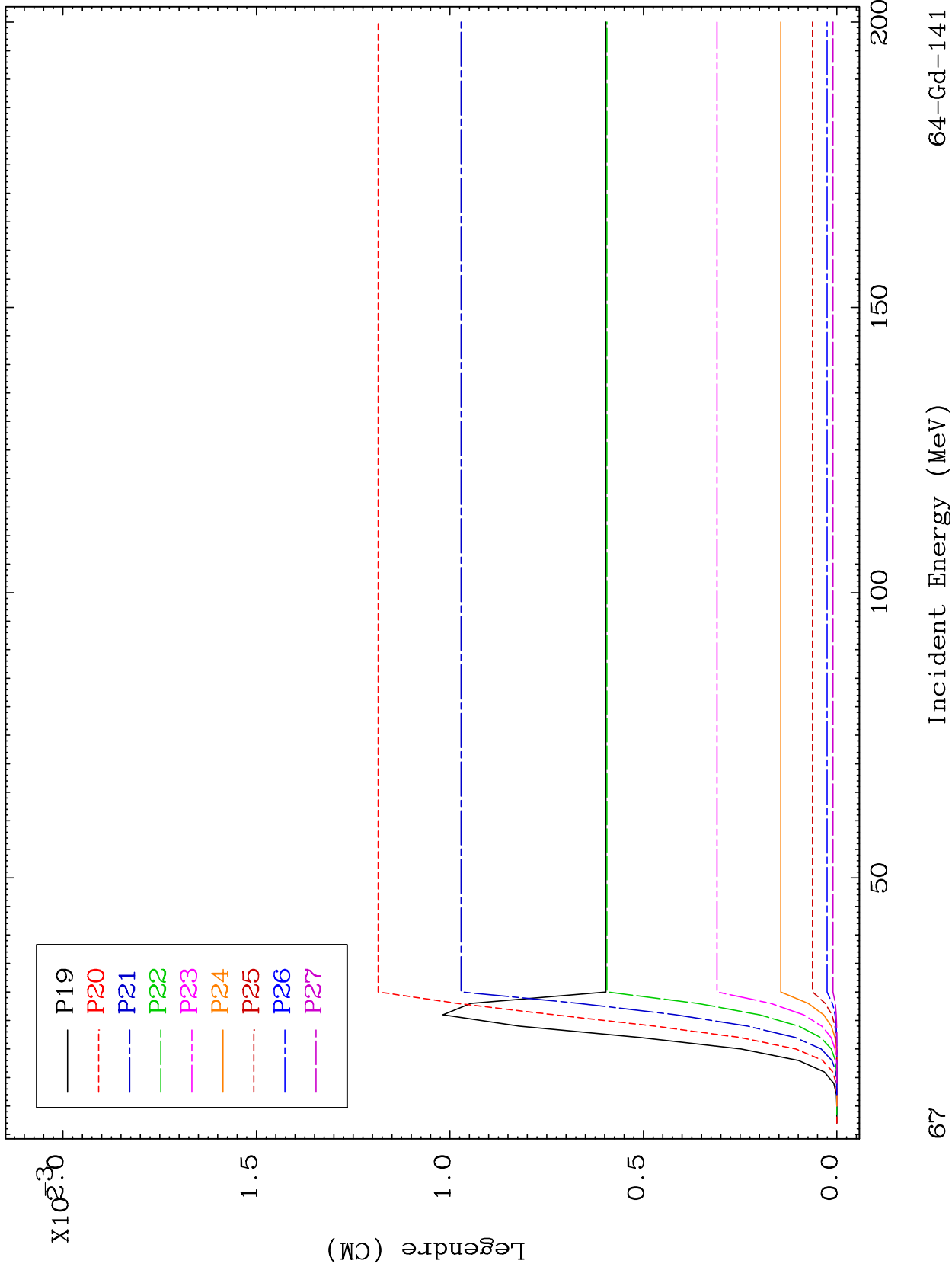
65



MAT 6392

940.5 keV (n, n') Level  
Legendre Coefficients

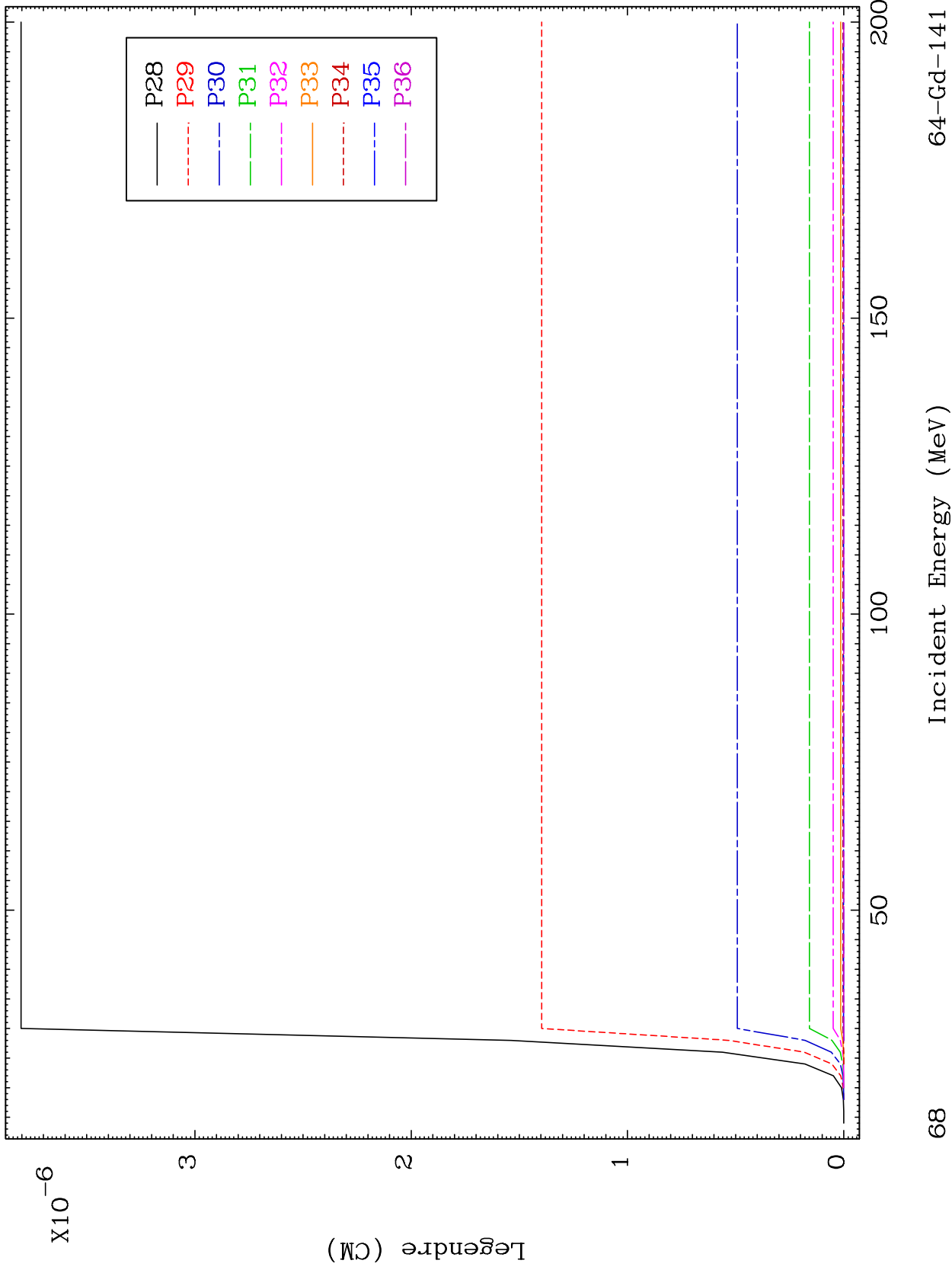
64-Gd-141



MAT 6392

940.5 keV (n,n') Level  
Legendre Coefficients

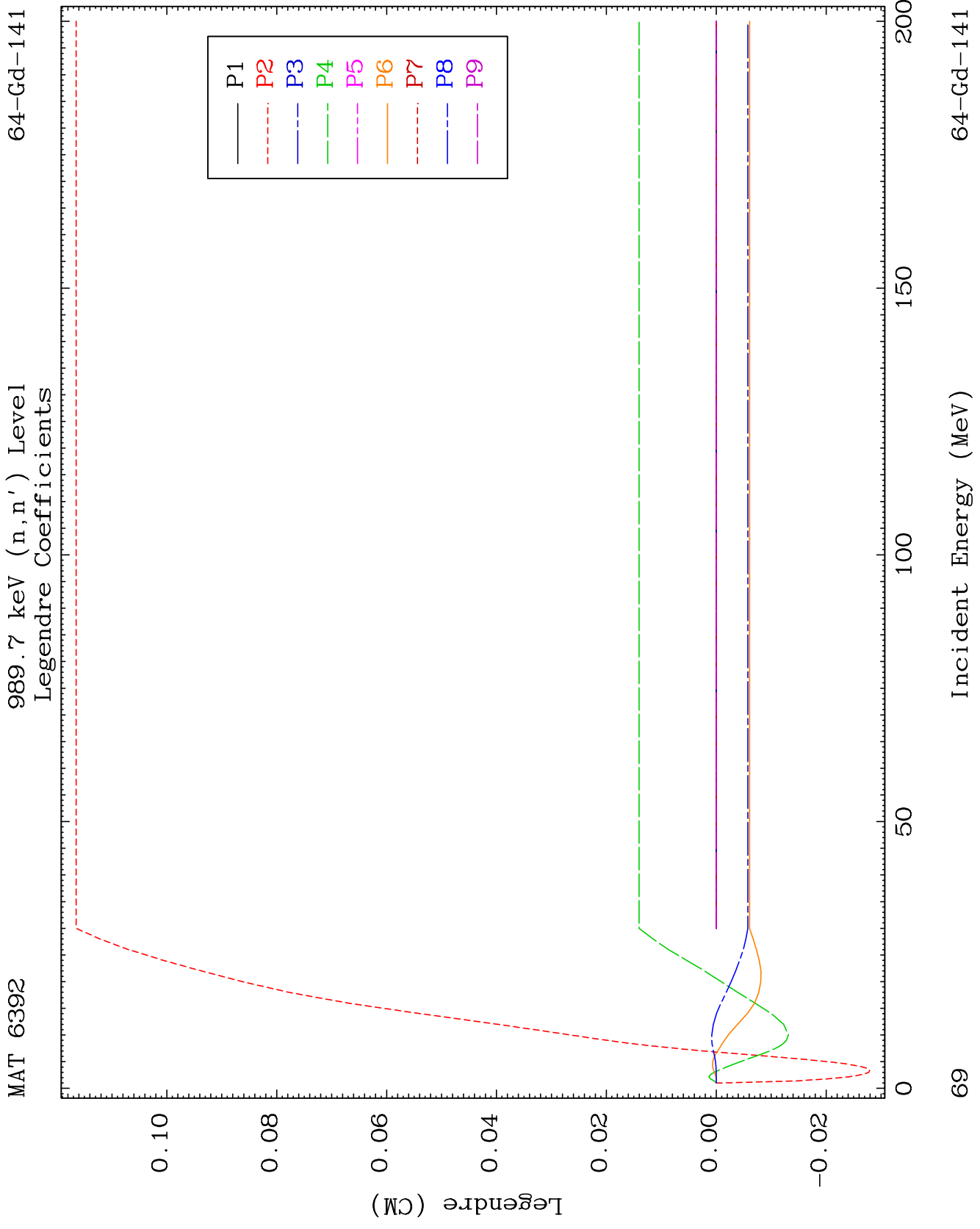
64-Gd-141



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Incident Energy (MeV)

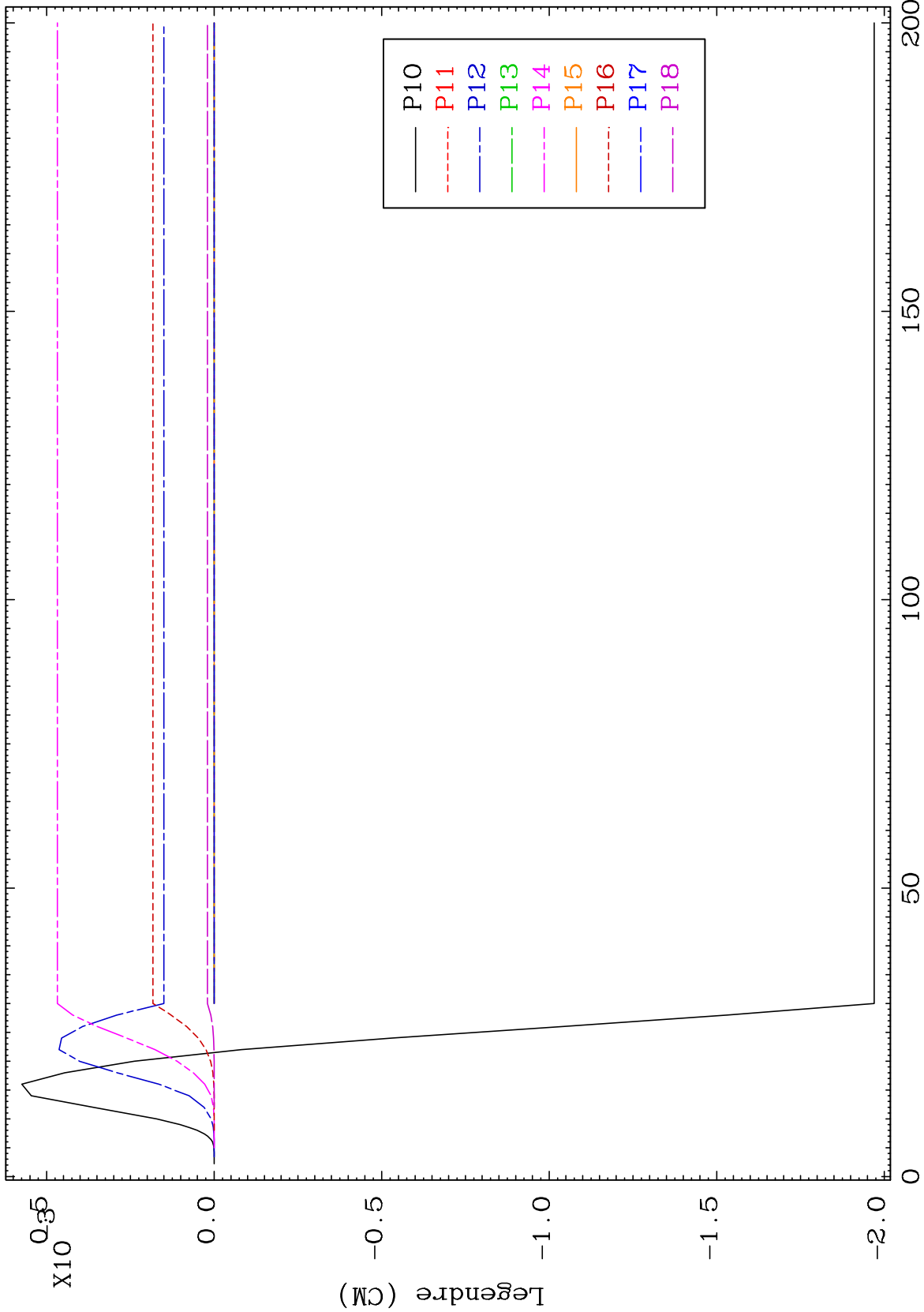
64-Gd-141



MAT 6392

989.7 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



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Incident Energy (MeV)

64-Gd-141

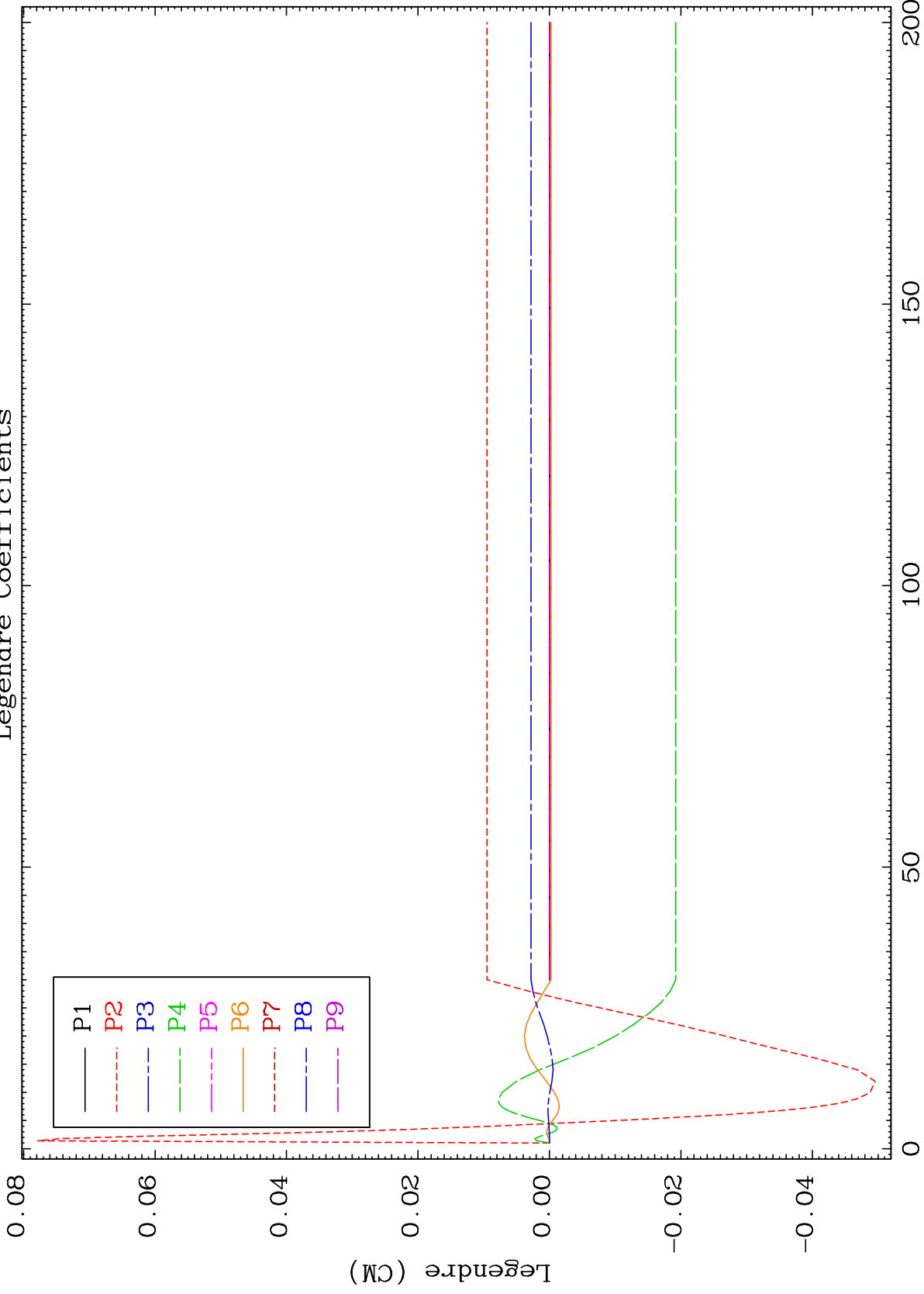




MAT 6392

994.6 keV (n,n') Level  
Legendre Coefficients

64-Gd-141



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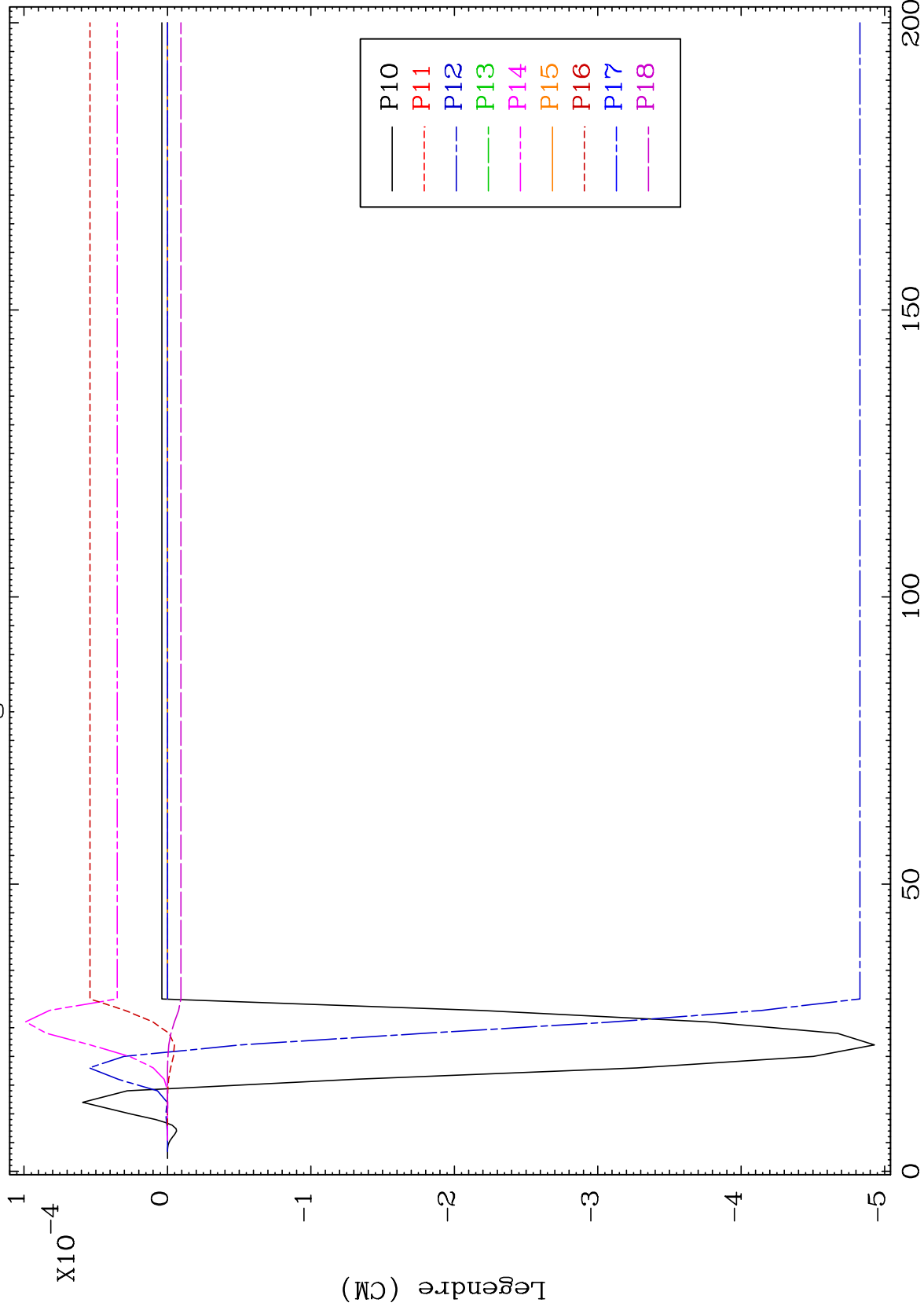
Incident Energy (MeV)

64-Gd-141

MAT 6392

994.6 keV (n,n') Level  
Legendre Coefficients

64-Gd-141

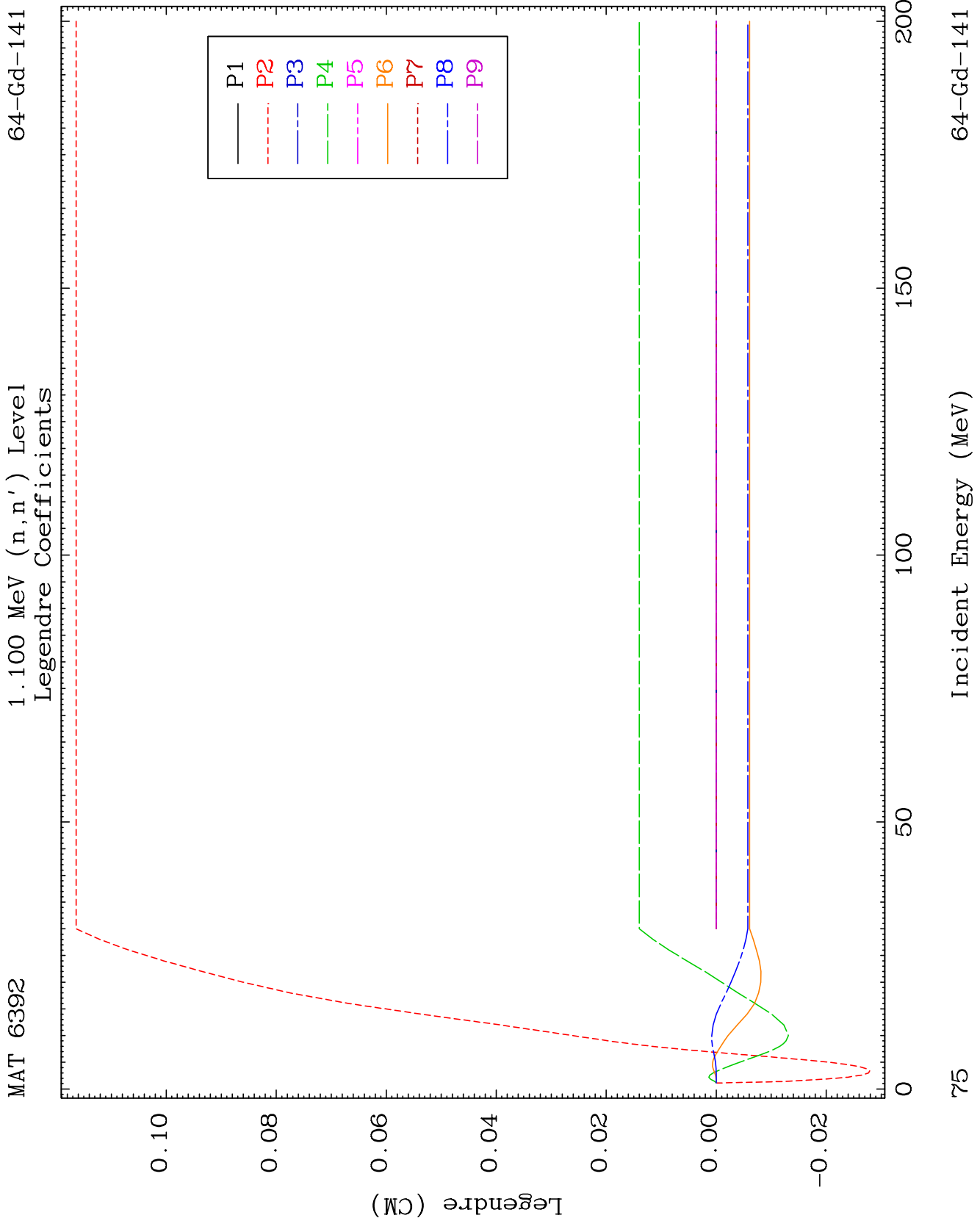


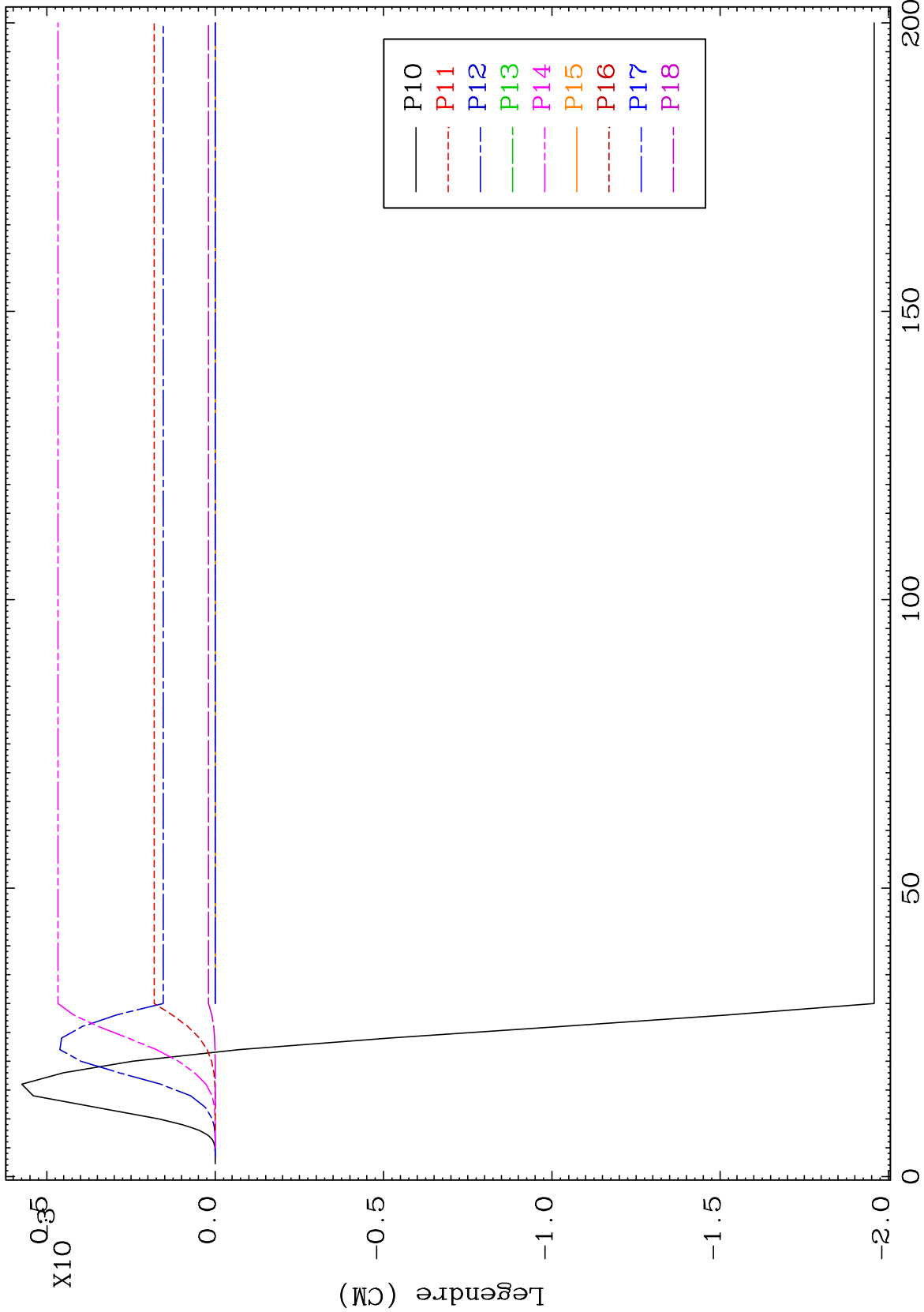
73

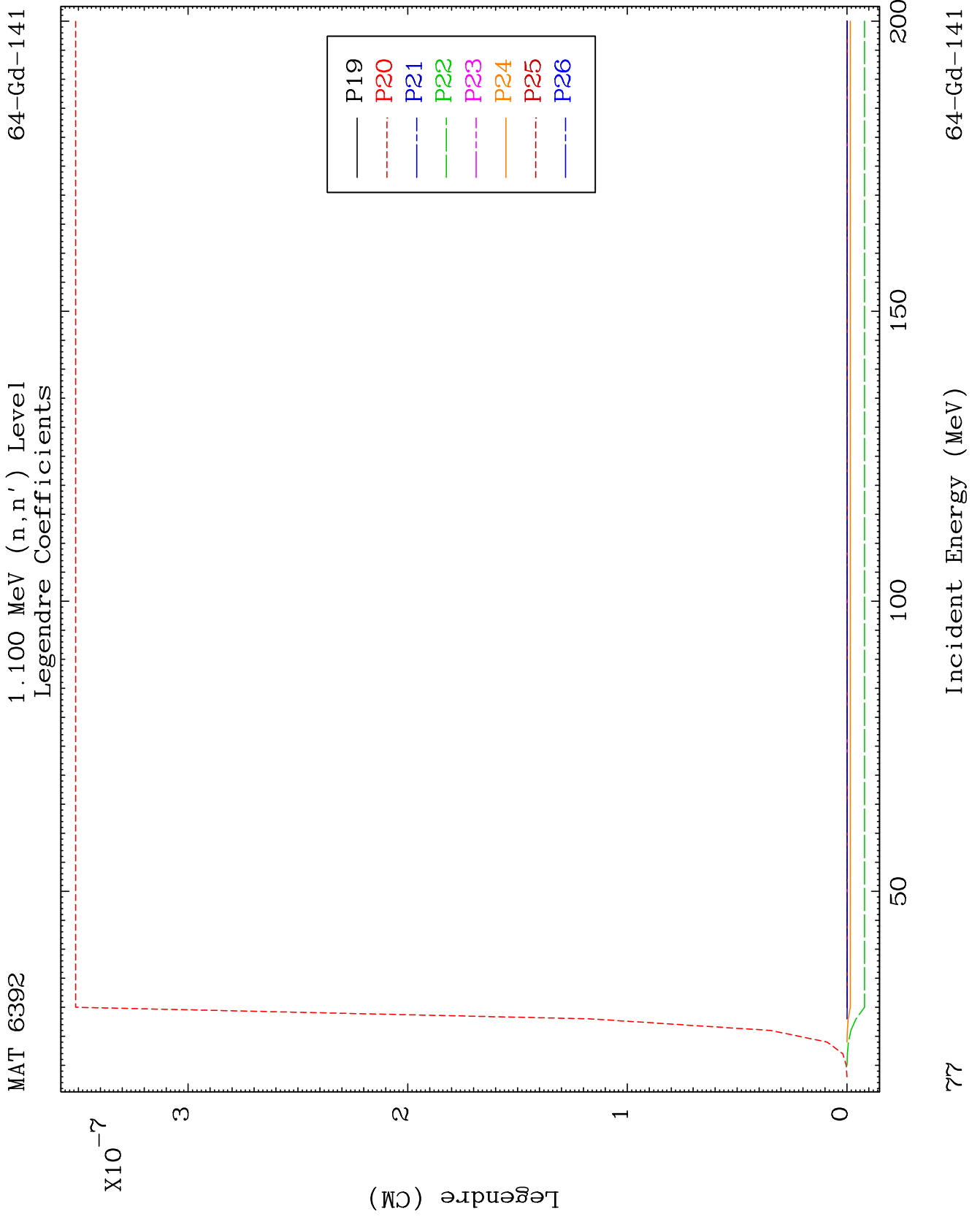
Incident Energy (MeV)

64-Gd-141





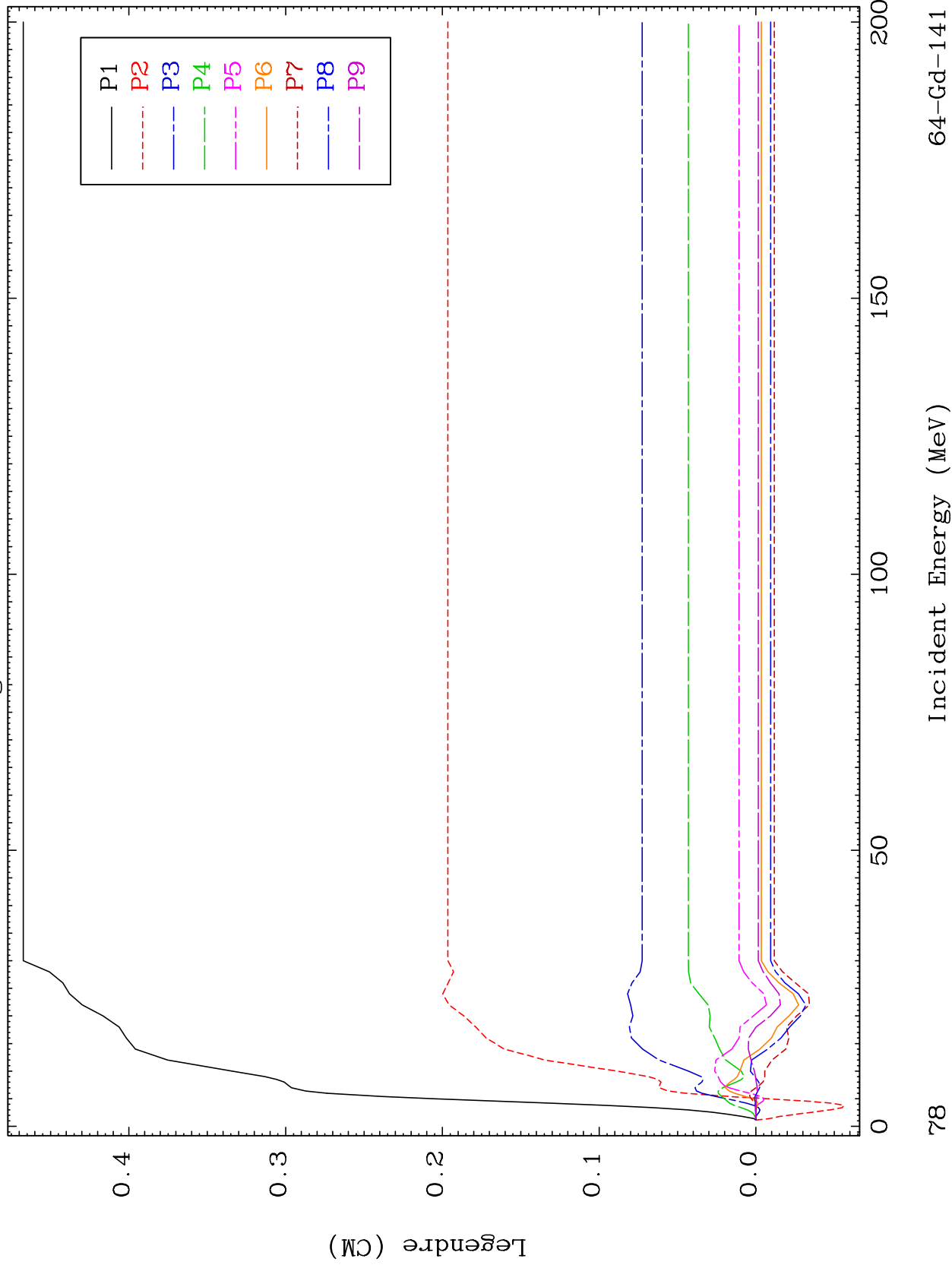




MAT 6392

1.132 MeV (n,n') Level  
Legendre Coefficients

64-Gd-141



64-Gd-141

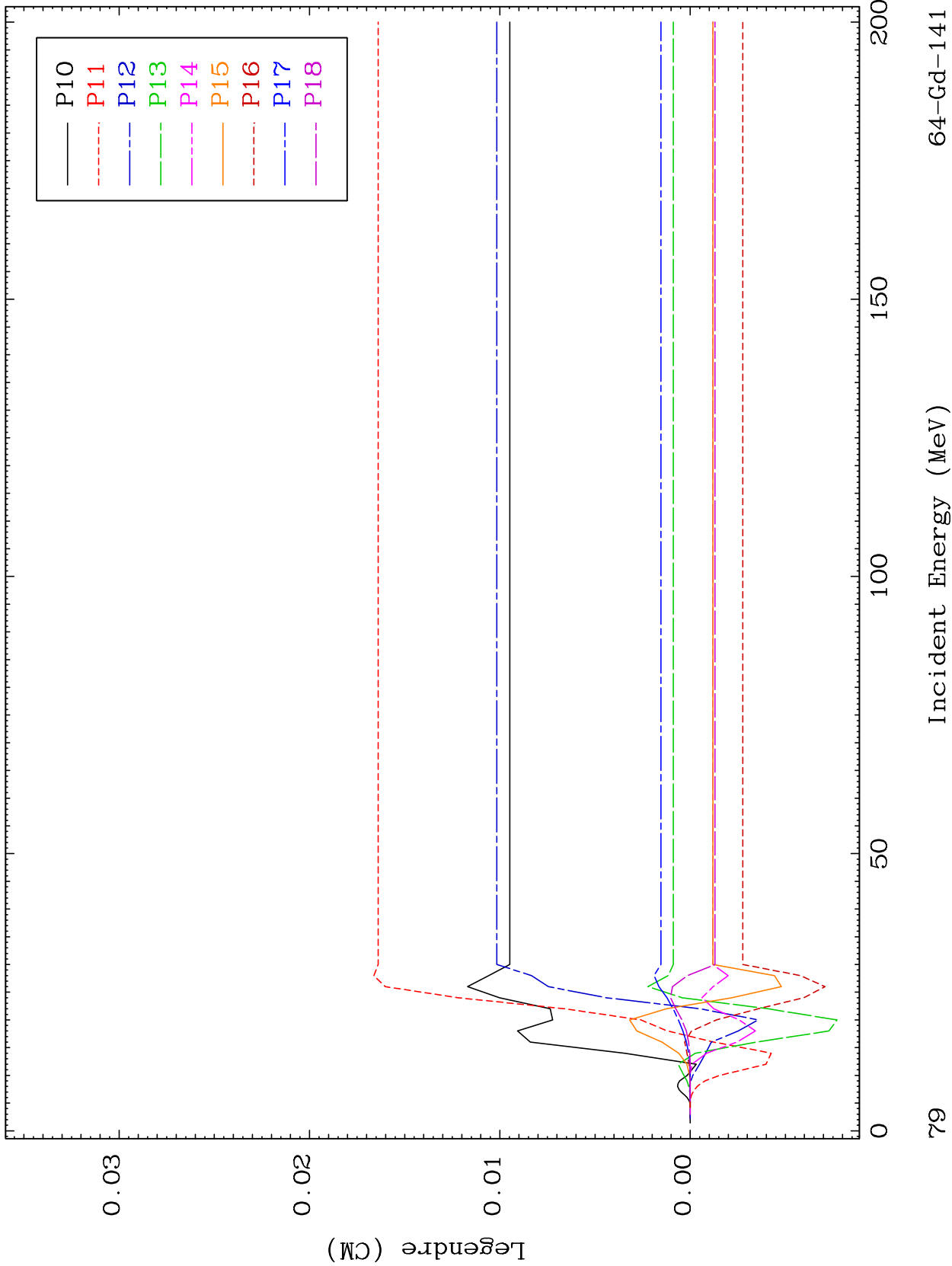
Incident Energy (MeV)

78

MAT 6392

1.132 MeV (n,n') Level  
Legendre Coefficients

64-Gd-141



79

Incident Energy (MeV)

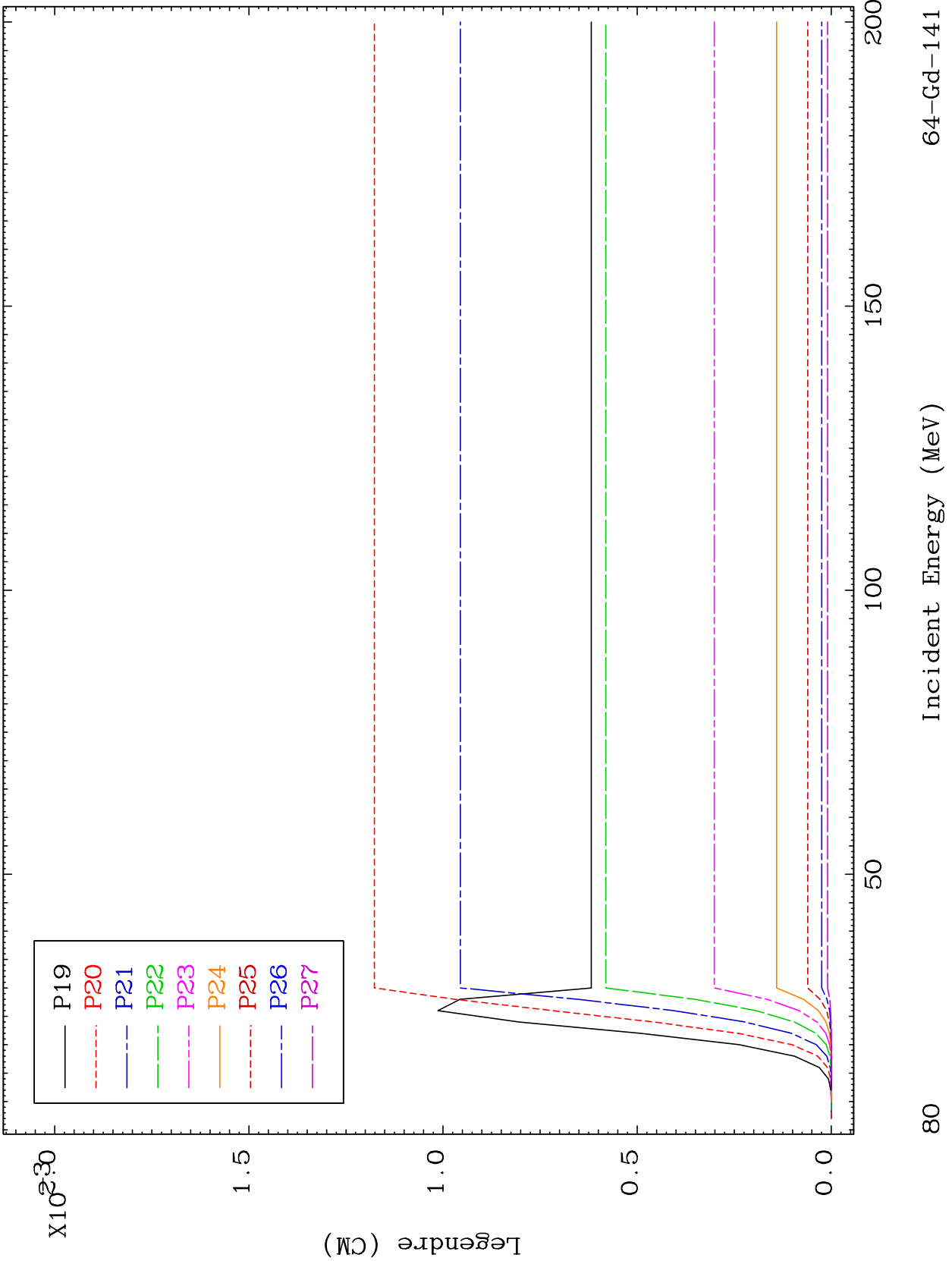
64-Gd-141



MAT 6392

1.132 MeV (n, n') Level  
Legendre Coefficients

64-Gd-141



80

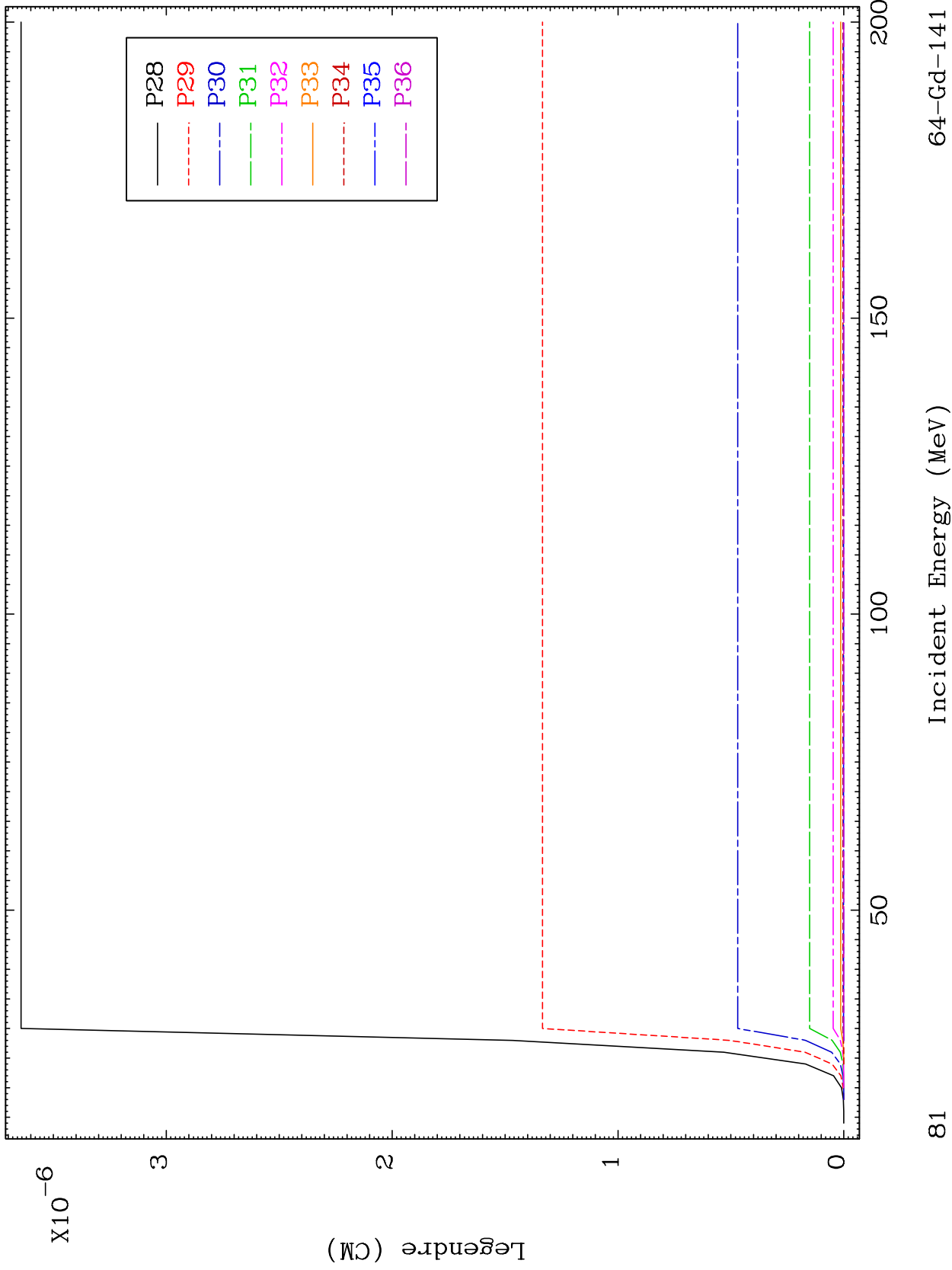
Incident Energy (MeV)

64-Gd-141

MAT 6392

1.132 MeV (n,n') Level  
Legendre Coefficients

64-Gd-141



81

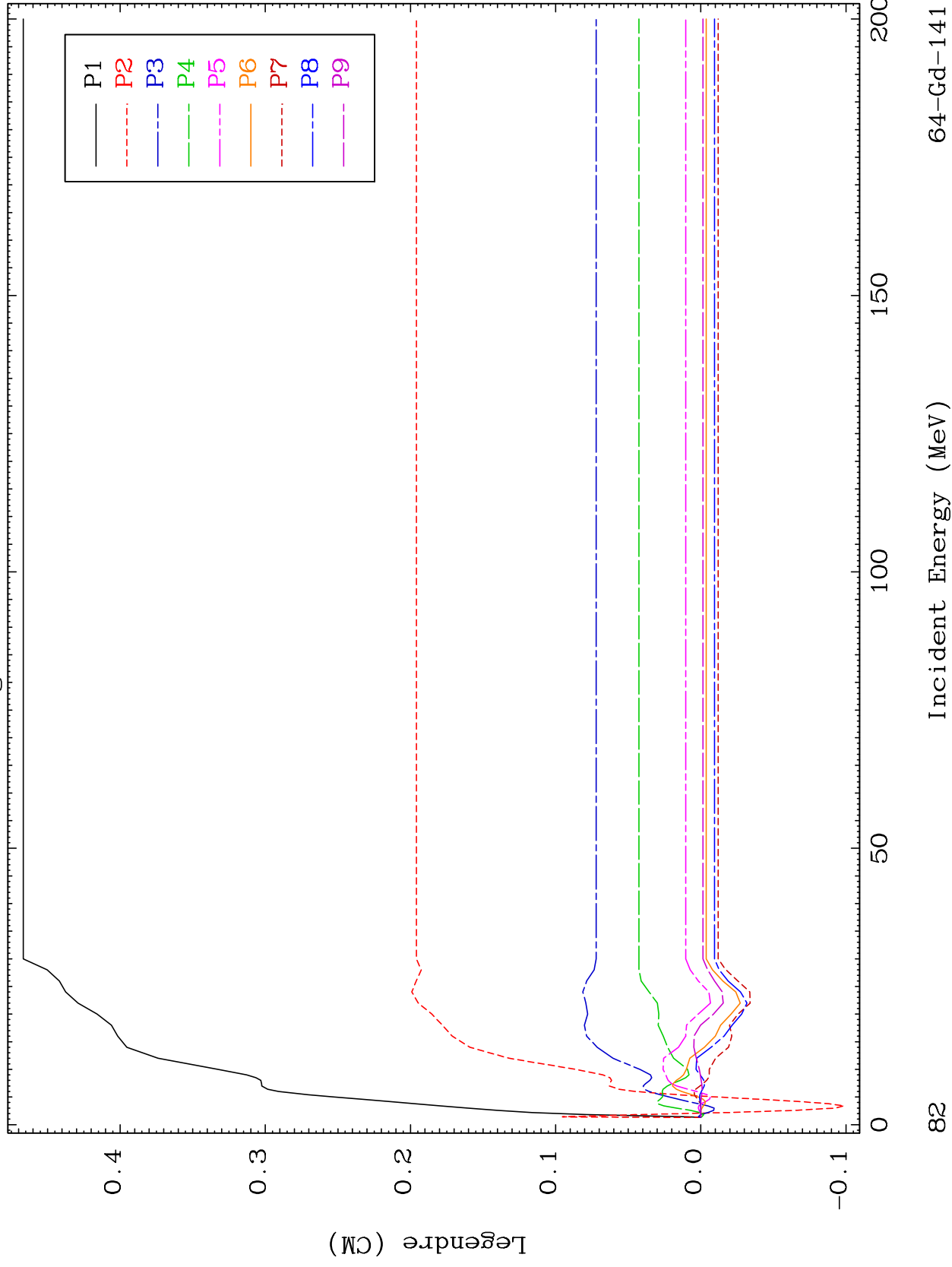
Incident Energy (MeV)

64-Gd-141

MAT 6392

1.282 MeV (n,n') Level  
Legendre Coefficients

64-Gd-141



64-Gd-141

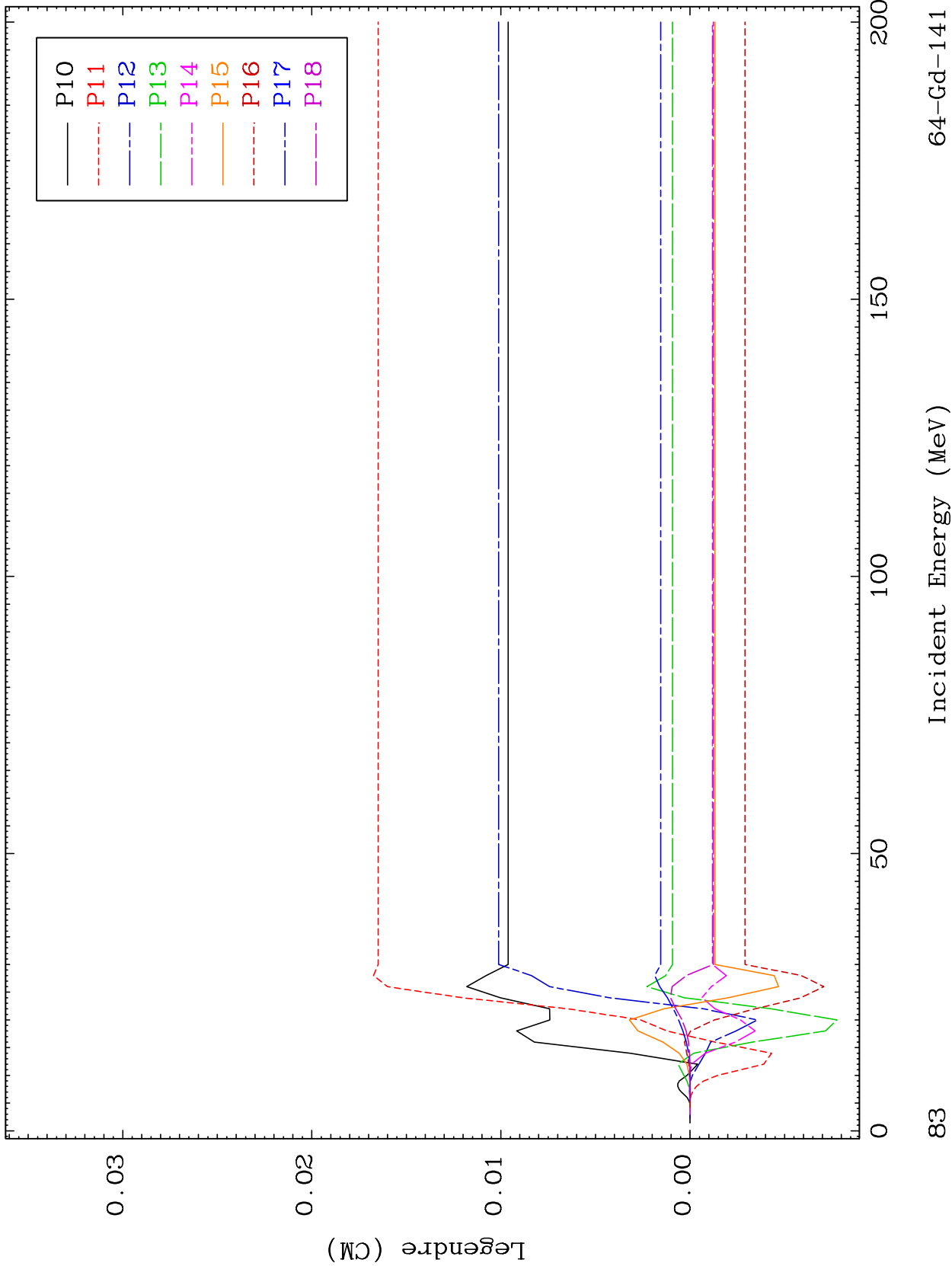
Incident Energy (MeV)

82

MAT 6392

1.282 MeV (n,n') Level  
Legendre Coefficients

64-Gd-141



83

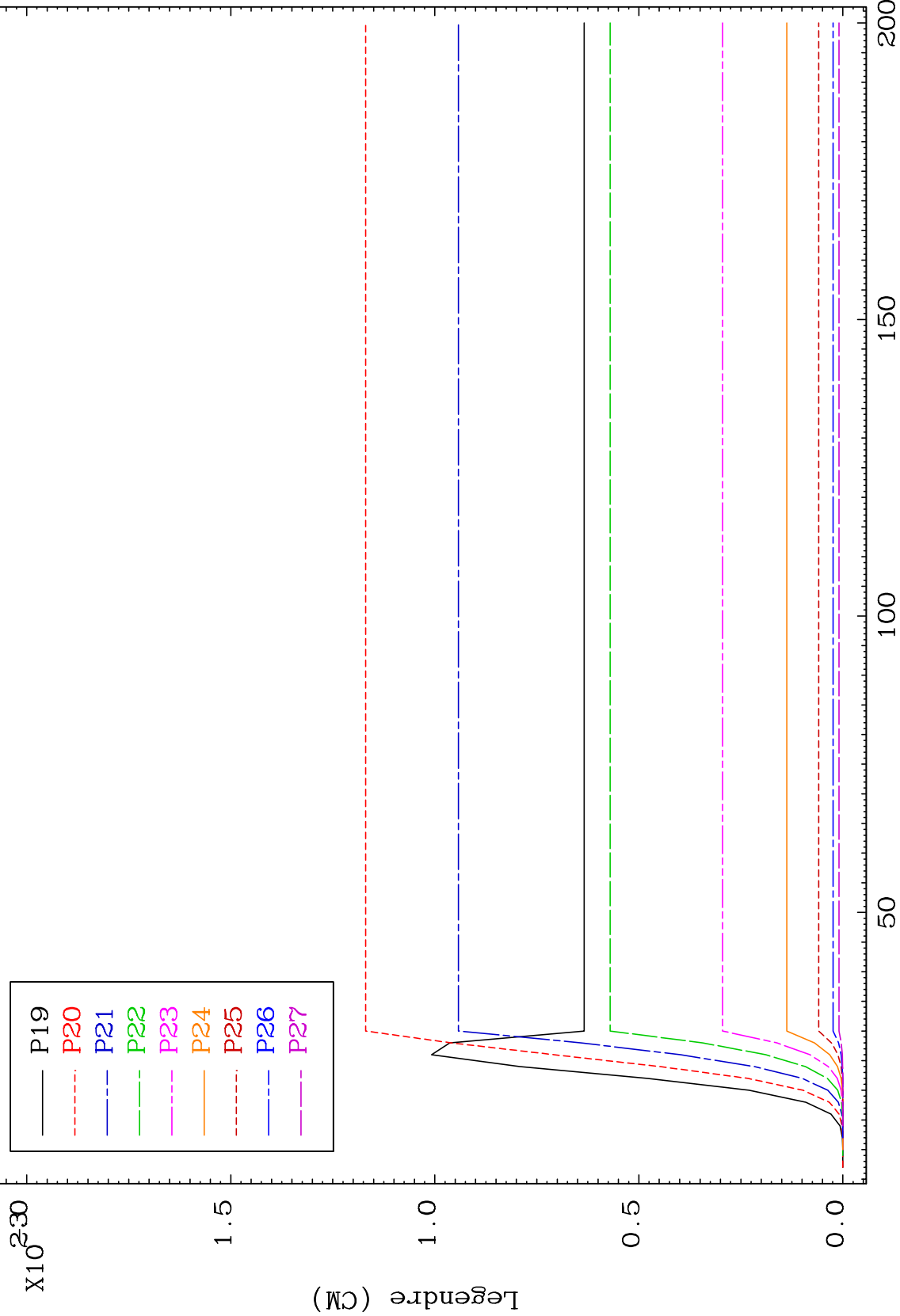
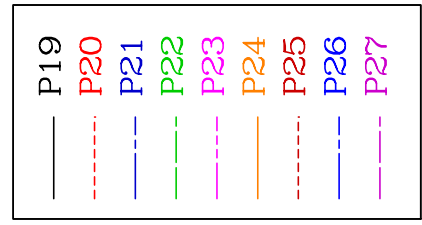
Incident Energy (MeV)

64-Gd-141

MAT 6392

1.282 MeV (n, n') Level  
Legendre Coefficients

64-Gd-141



84

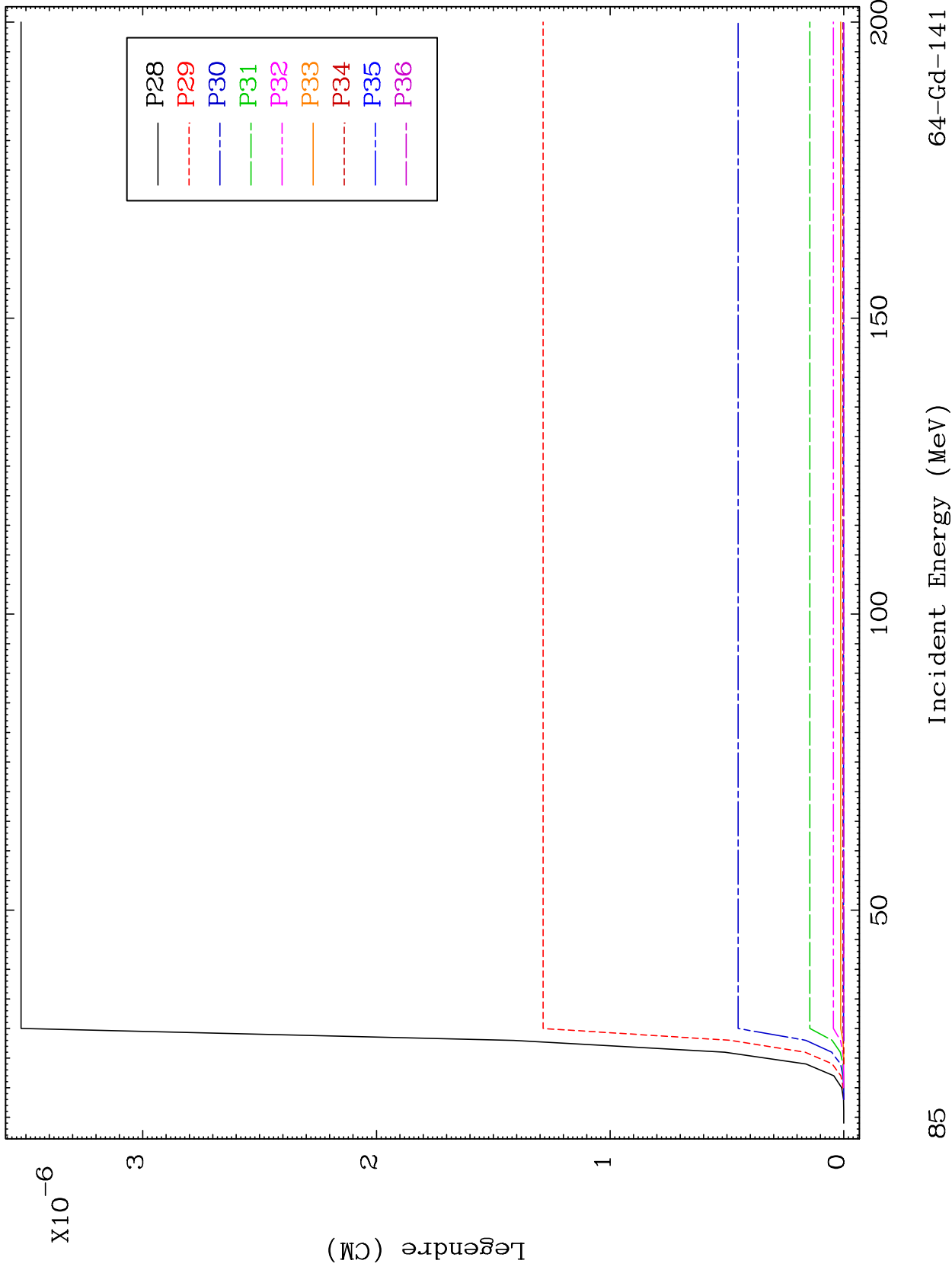
Incident Energy (MeV)

64-Gd-141

MAT 6392

1.282 MeV (n,n') Level  
Legendre Coefficients

64-Gd-141

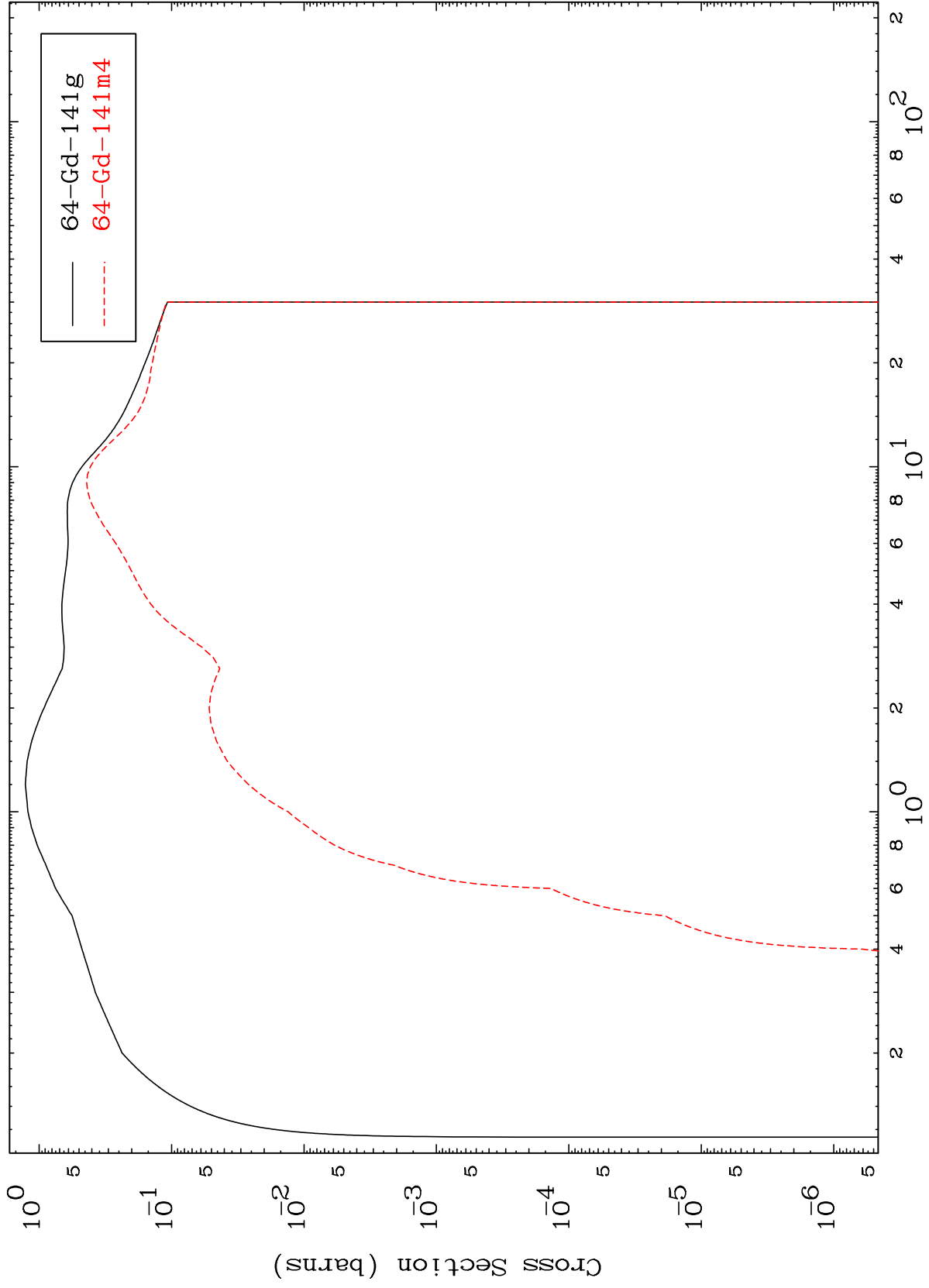


85

Incident Energy (MeV)

64-Gd-141

Inelastic  
Radionuclide Production Cross Section



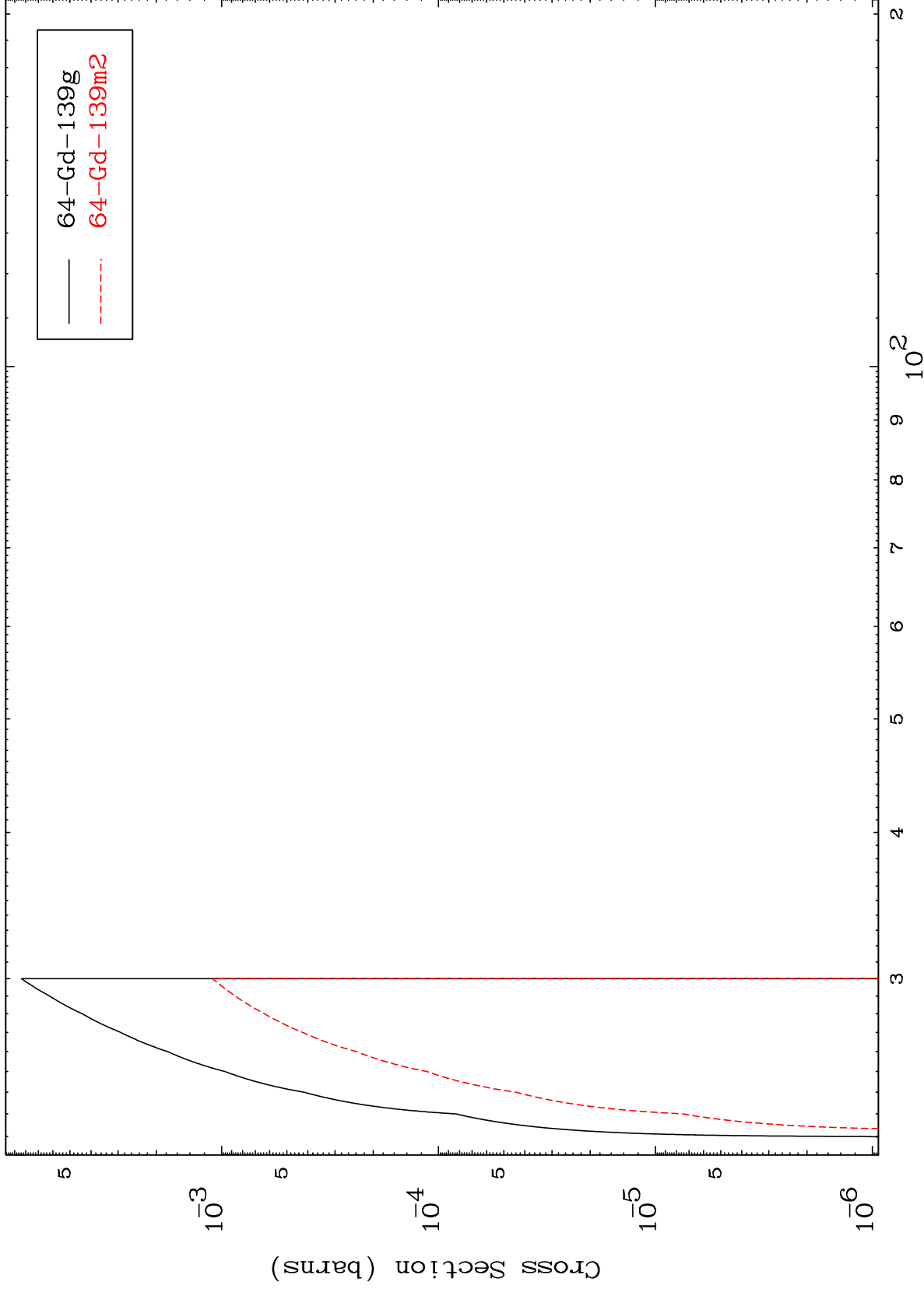
64-Gd-141g  
64-Gd-141m4

MAT 6392

(n,3n)

64-Gd-141

Radionuclide Production Cross Section



87

Incident Energy (MeV)

64-Gd-141

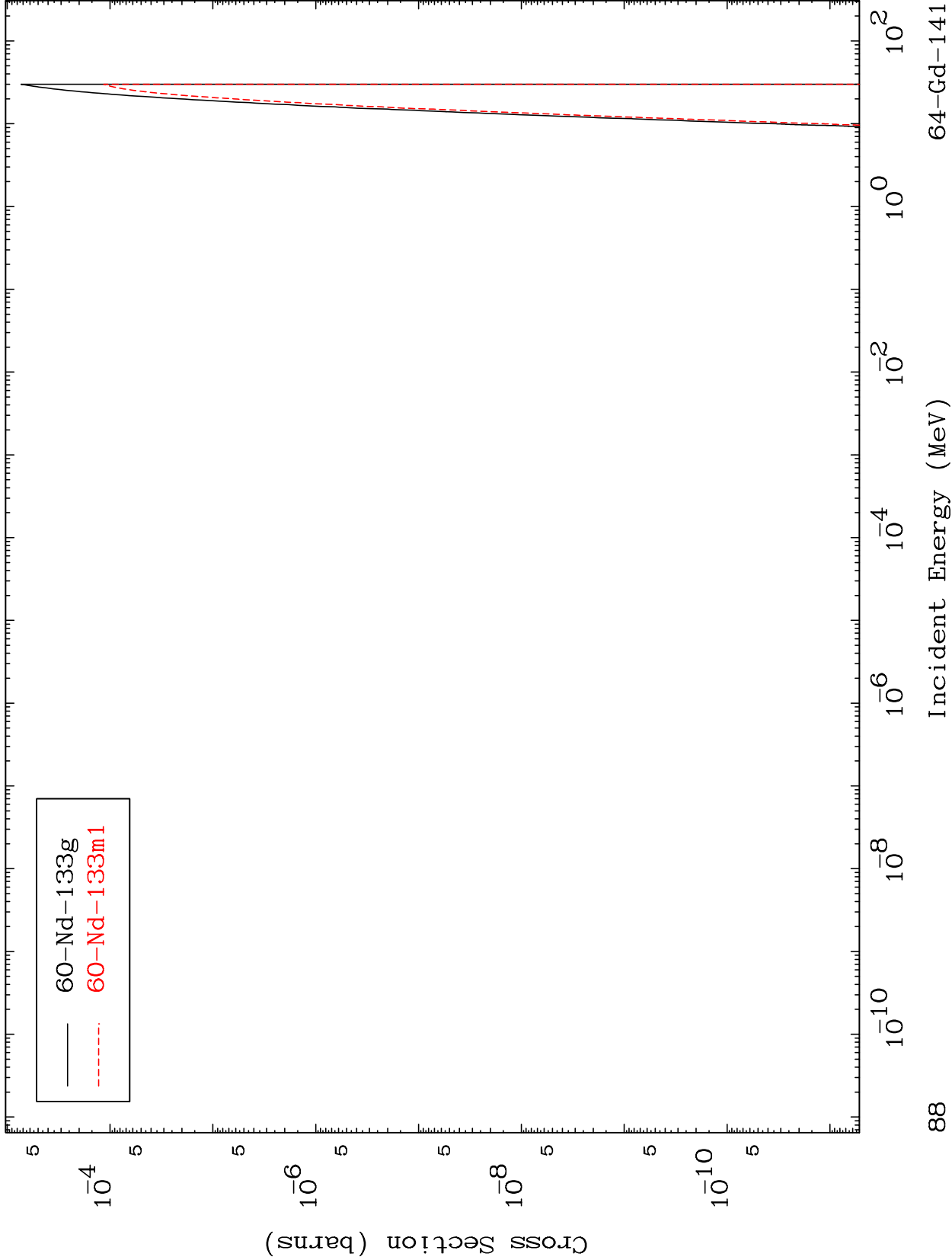


MAT 6392

(n,n') 2 $\alpha$

64-Gd-141

Radionuclide Production Cross Section

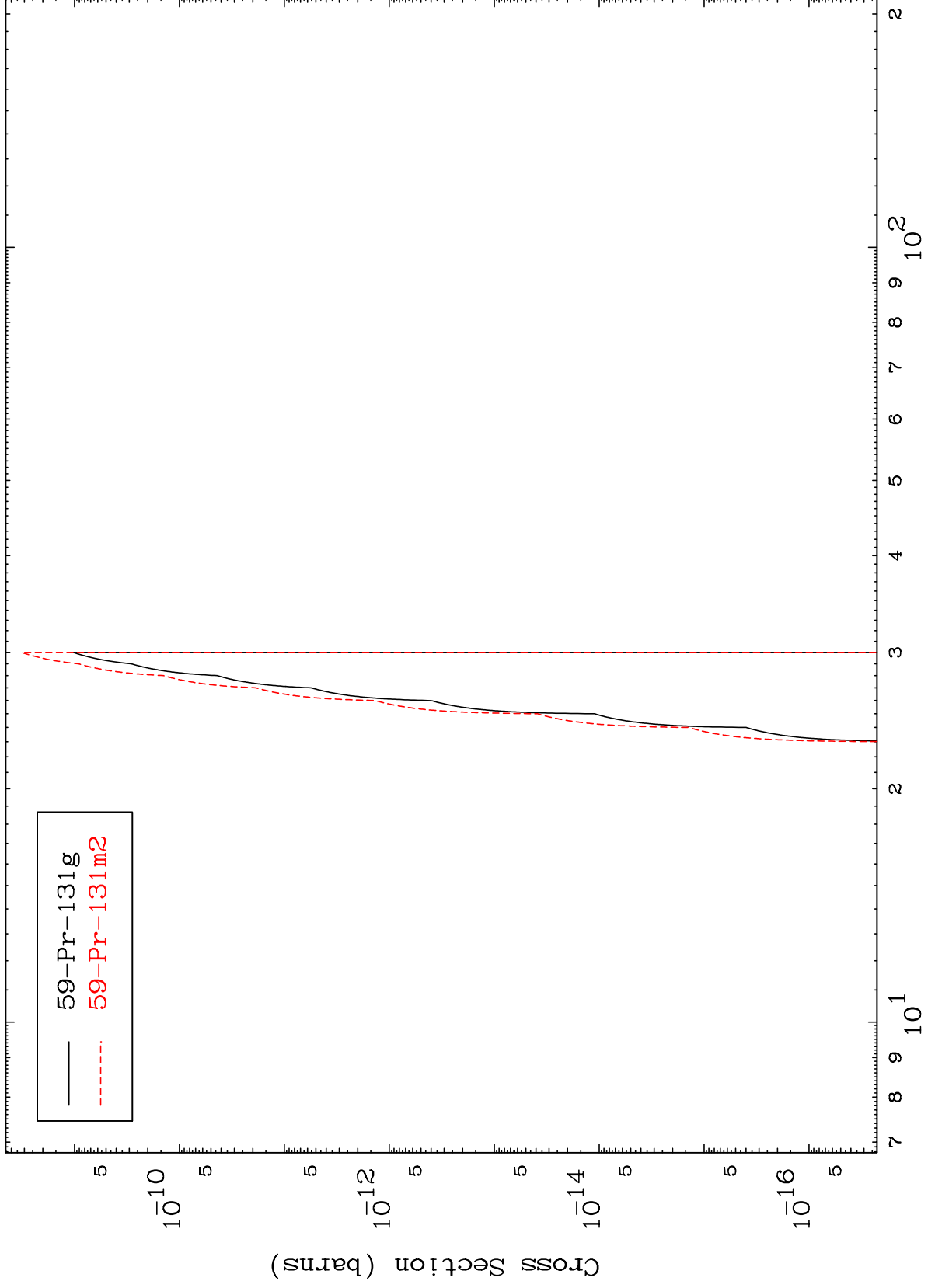


MAT 6392

(n,n') d,2α

64-Gd-141

Radionuclide Production Cross Section



89

Incident Energy (MeV)

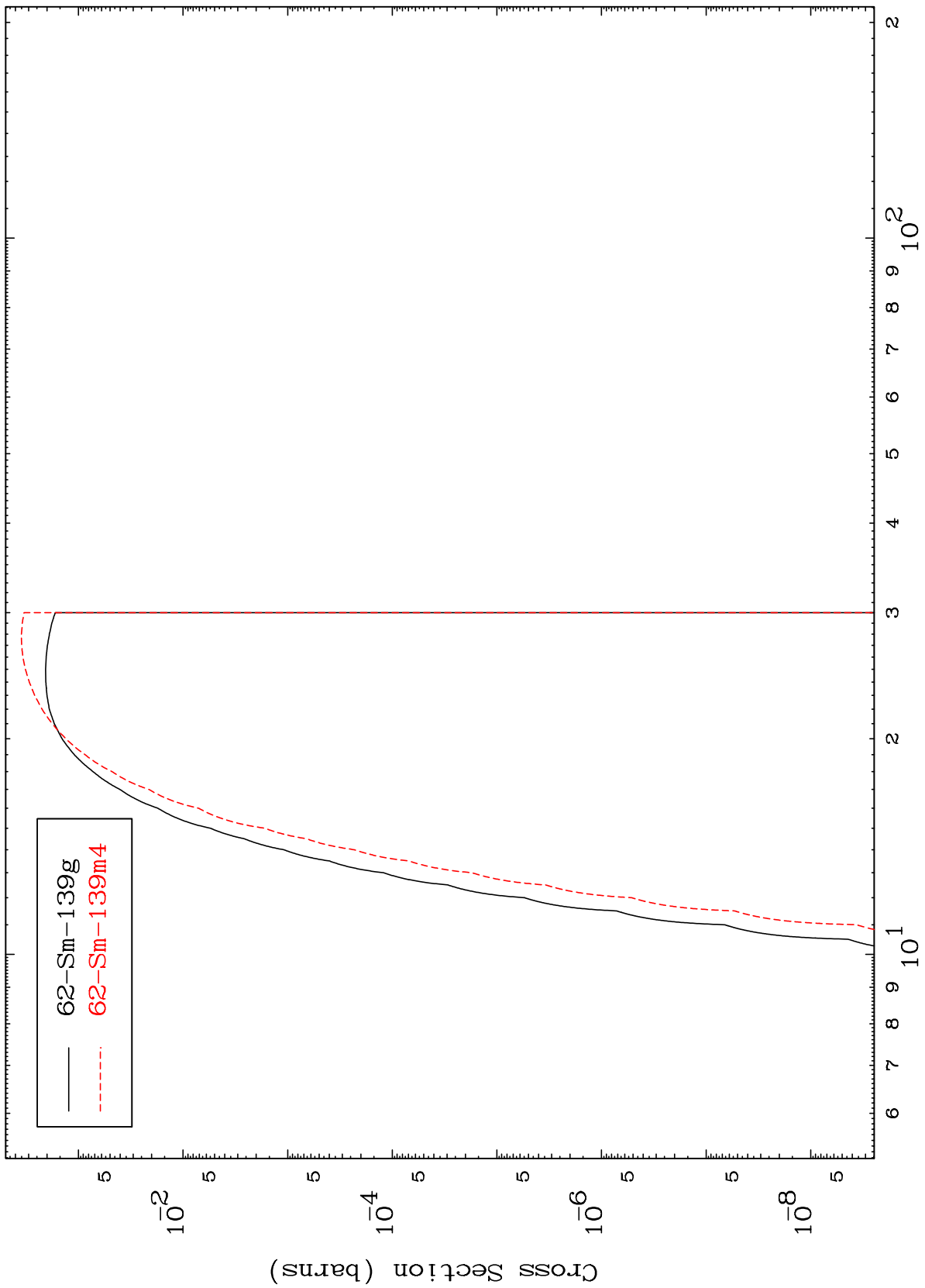
64-Gd-141

MAT 6392

(n,2n) p

64-Gd-141

Radionuclide Production Cross Section



90

Incident Energy (MeV)

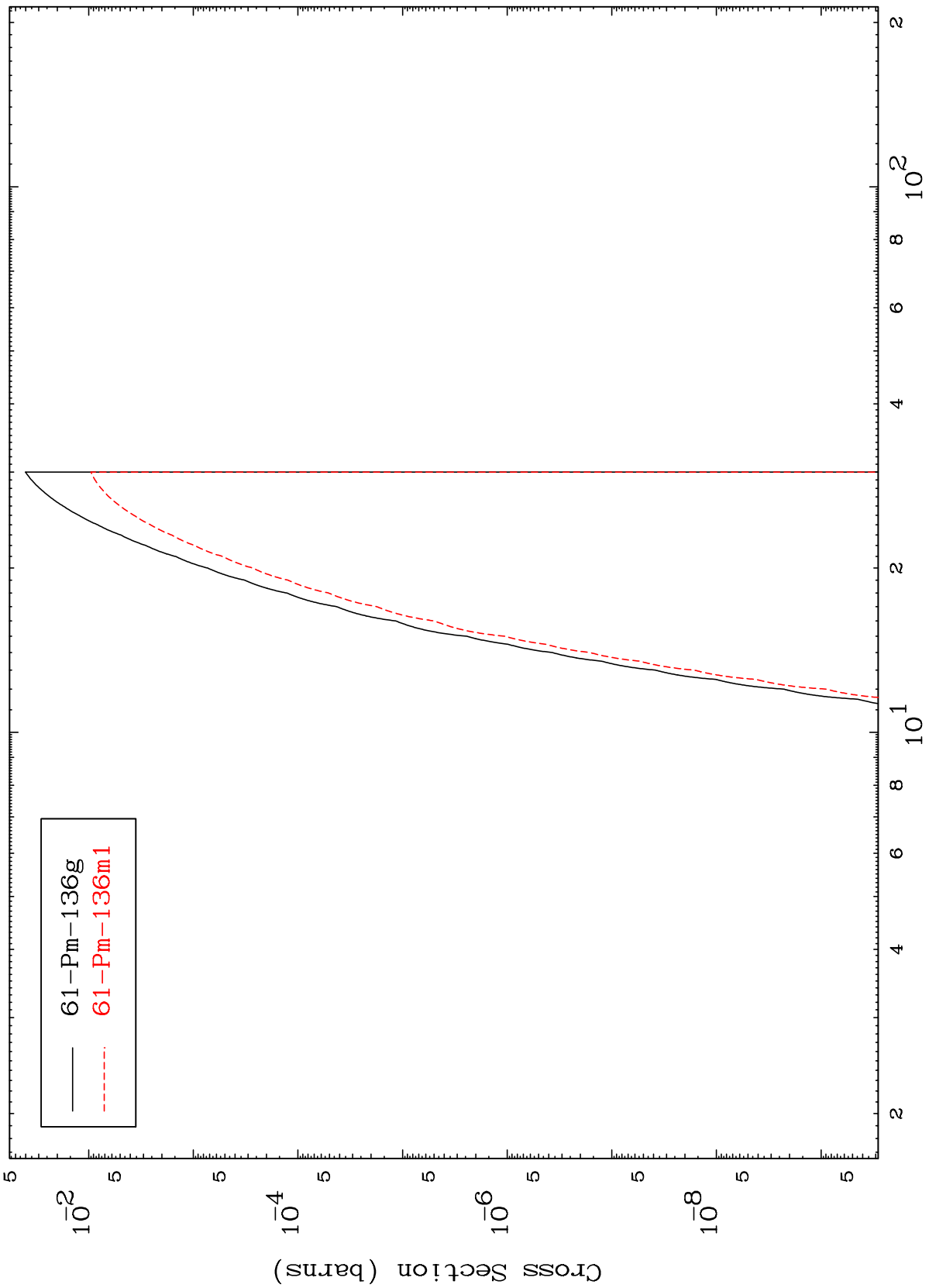
64-Gd-141

MAT 6392

(n,n') p  $\alpha$

64-Gd-141

Radionuclide Production Cross Section



61-Pm-136g  
61-Pm-136m1

91

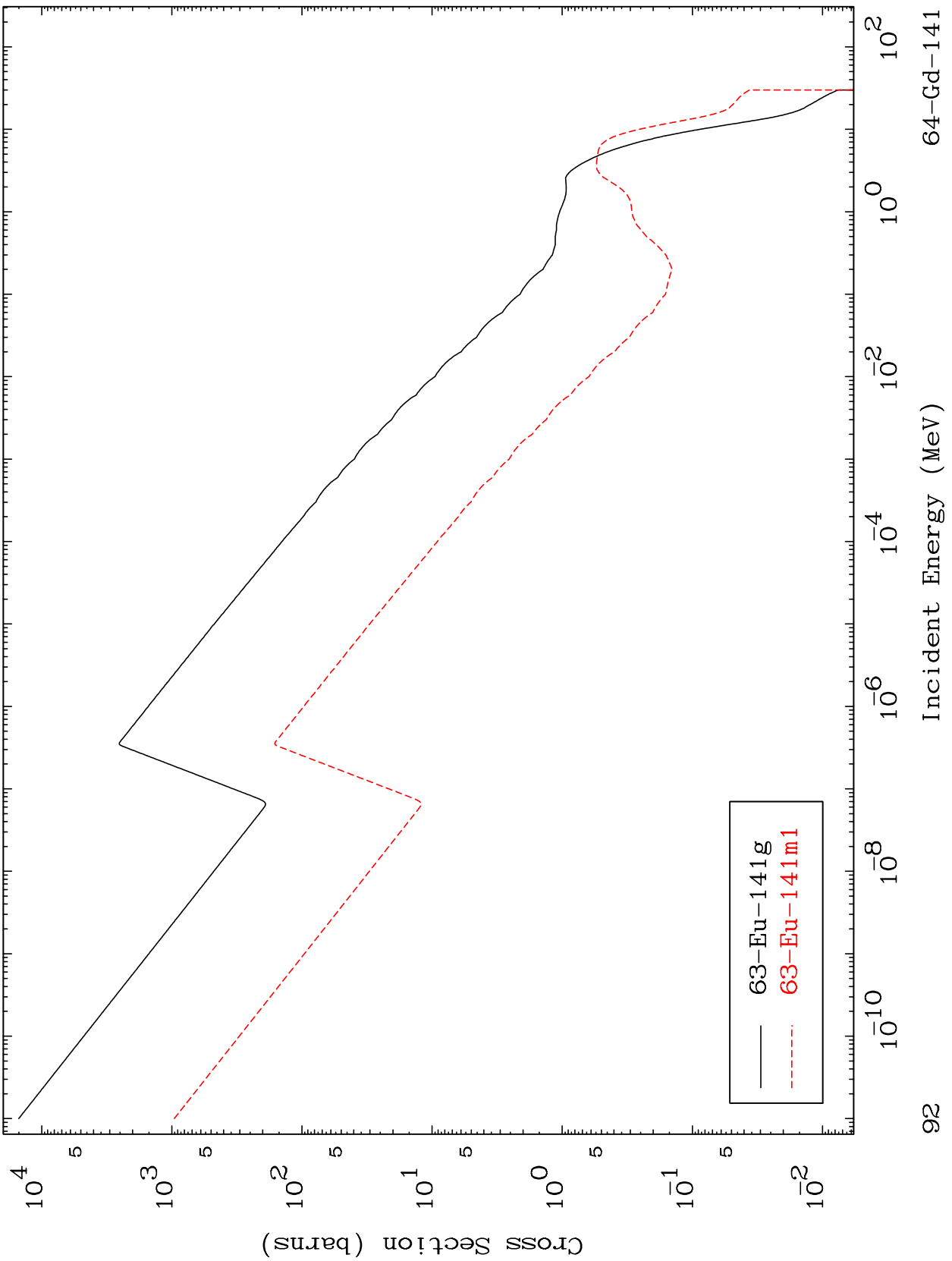
Incident Energy (MeV)

64-Gd-141

MAT 6392

64-Gd-141

Radionuclide Production Cross Section

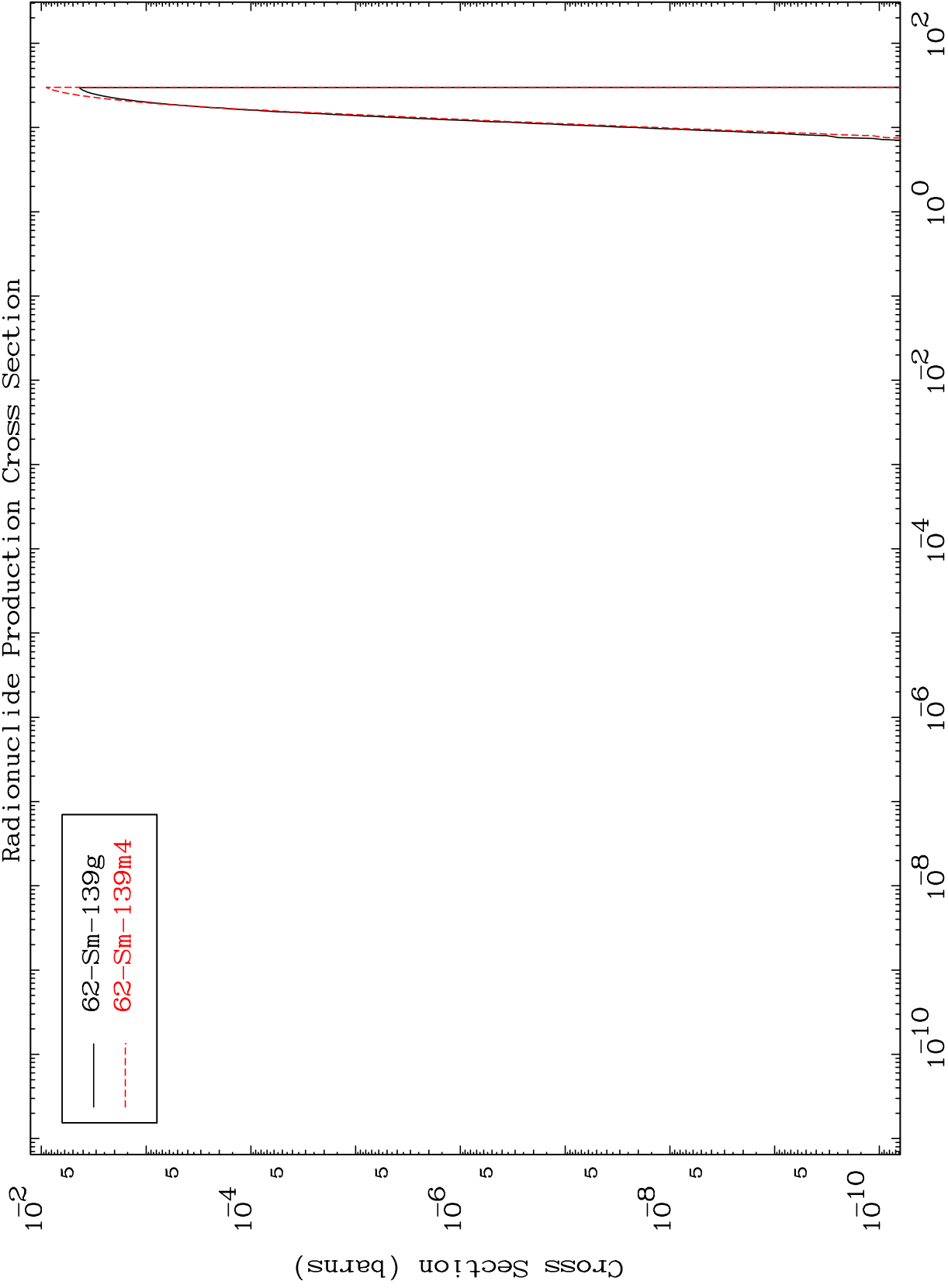


MAT 6392

(n,He-3)

64-Gd-141

Radionuclide Production Cross Section



93

Incident Energy (MeV)

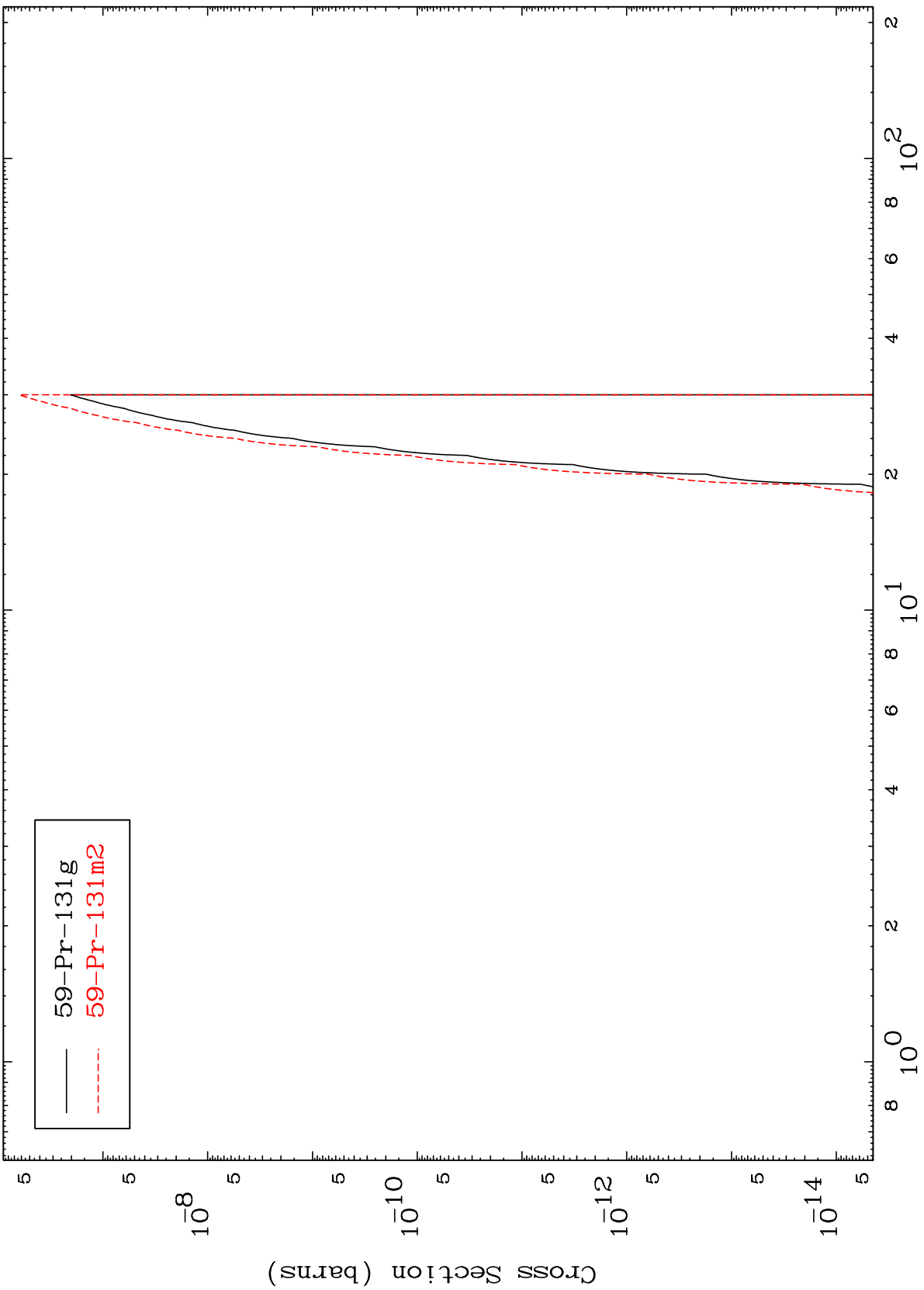
64-Gd-141

MAT 6392

(n,t) 2 $\alpha$

64-Gd-141

Radionuclide Production Cross Section



94

Incident Energy (MeV)

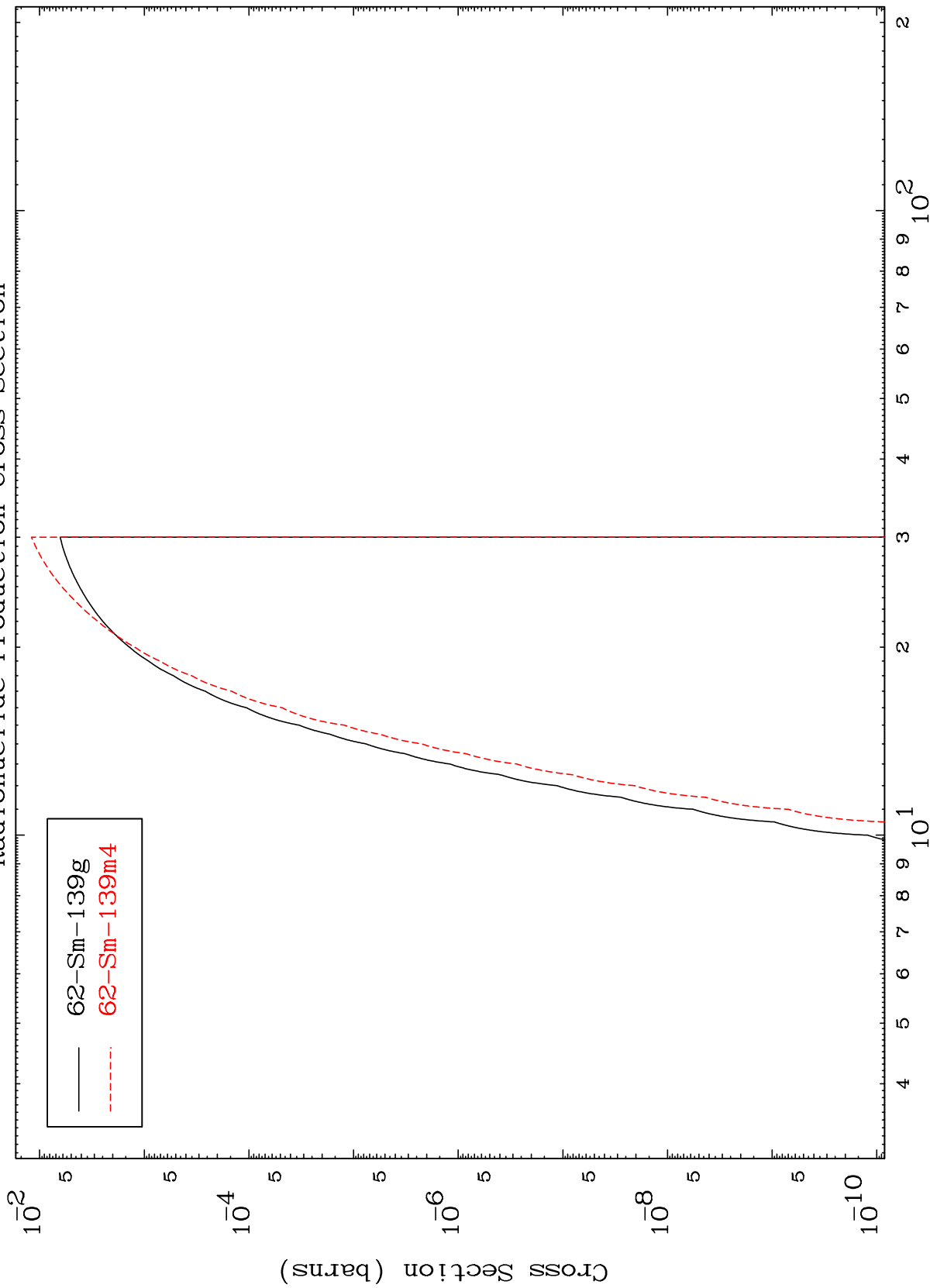
64-Gd-141

MAT 6392

(n,p) d

64-Gd-141

Radionuclide Production Cross Section



95

Incident Energy (MeV)

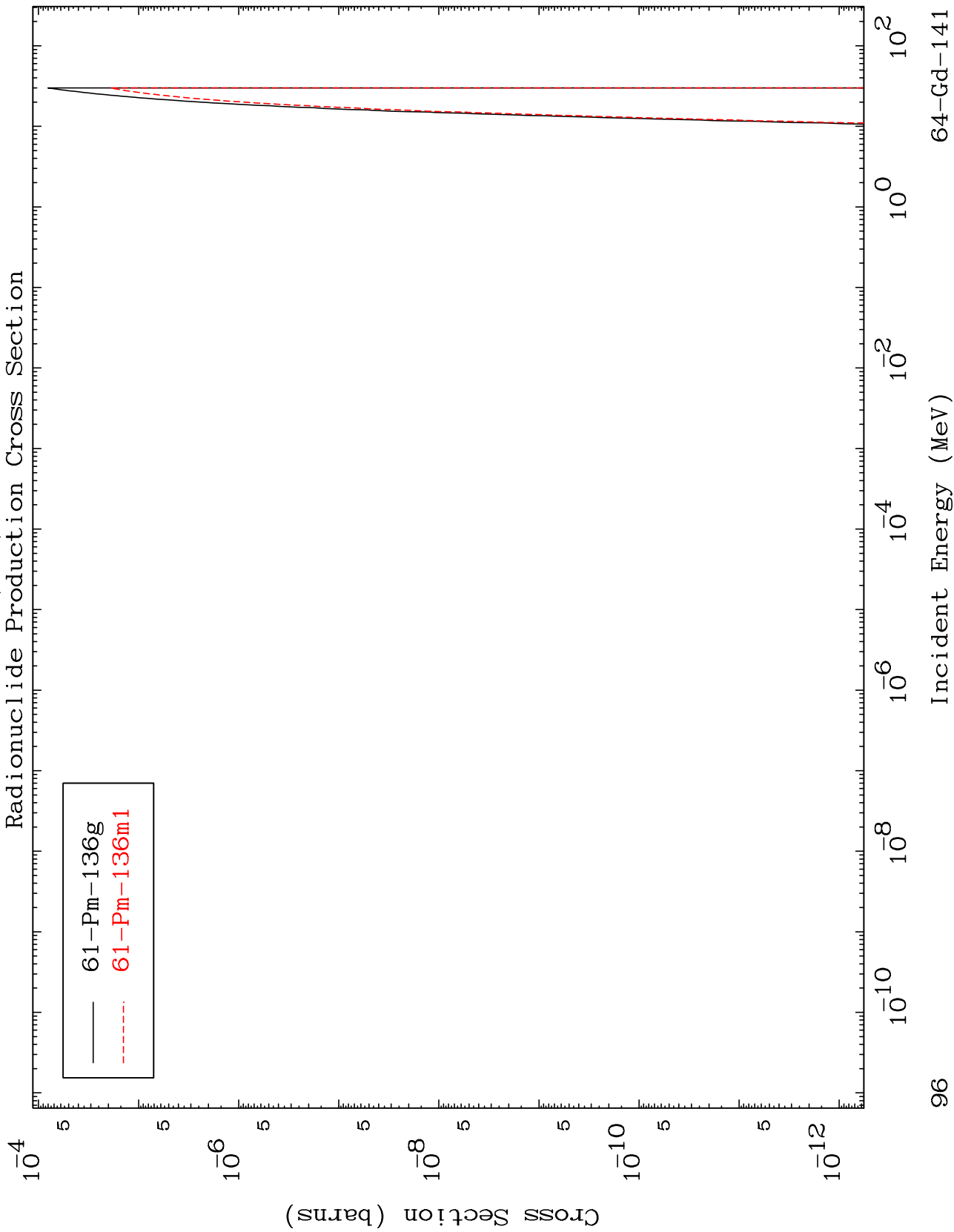
64-Gd-141



MAT 6392

(n,d)  $\alpha$

64-Gd-141



61-Pm-136g  
61-Pm-136m1