

Program EVALPLOT
(Version 2015-2)

by

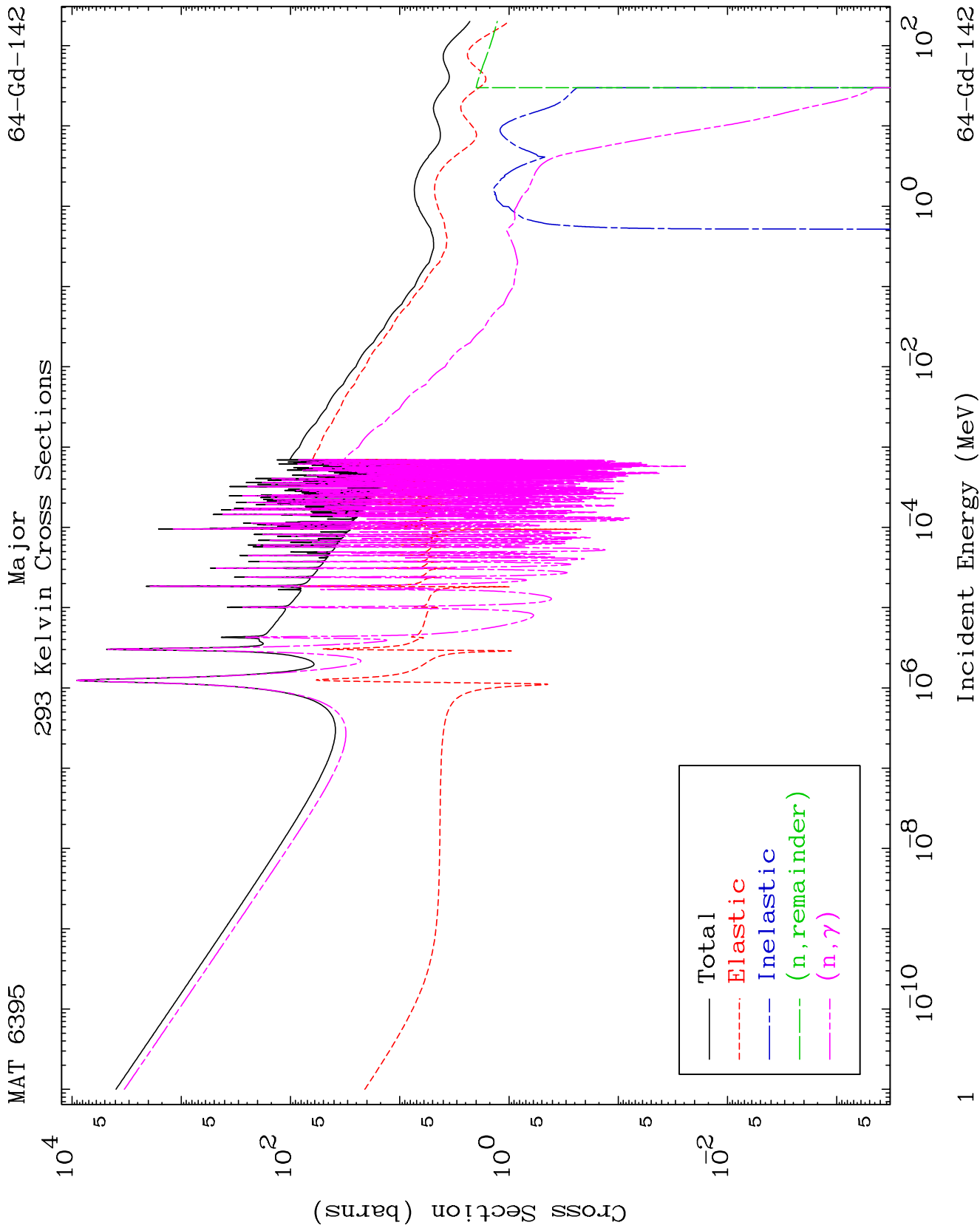
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(Present Contact Information)

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Livermore, CA 94550
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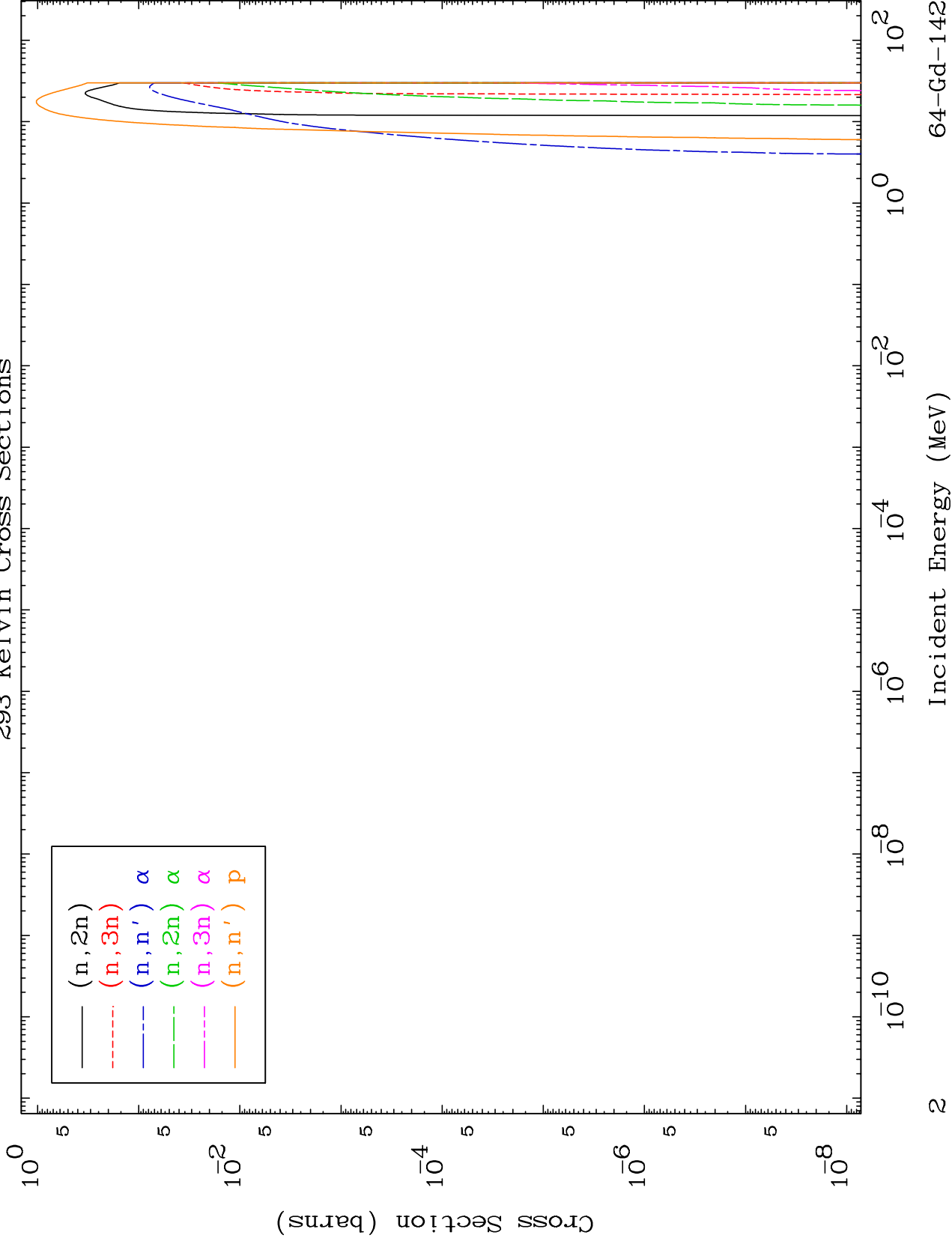
Press Mouse Button to Start



MAT 6395

Neutron Production
293 Kelvin Cross Sections

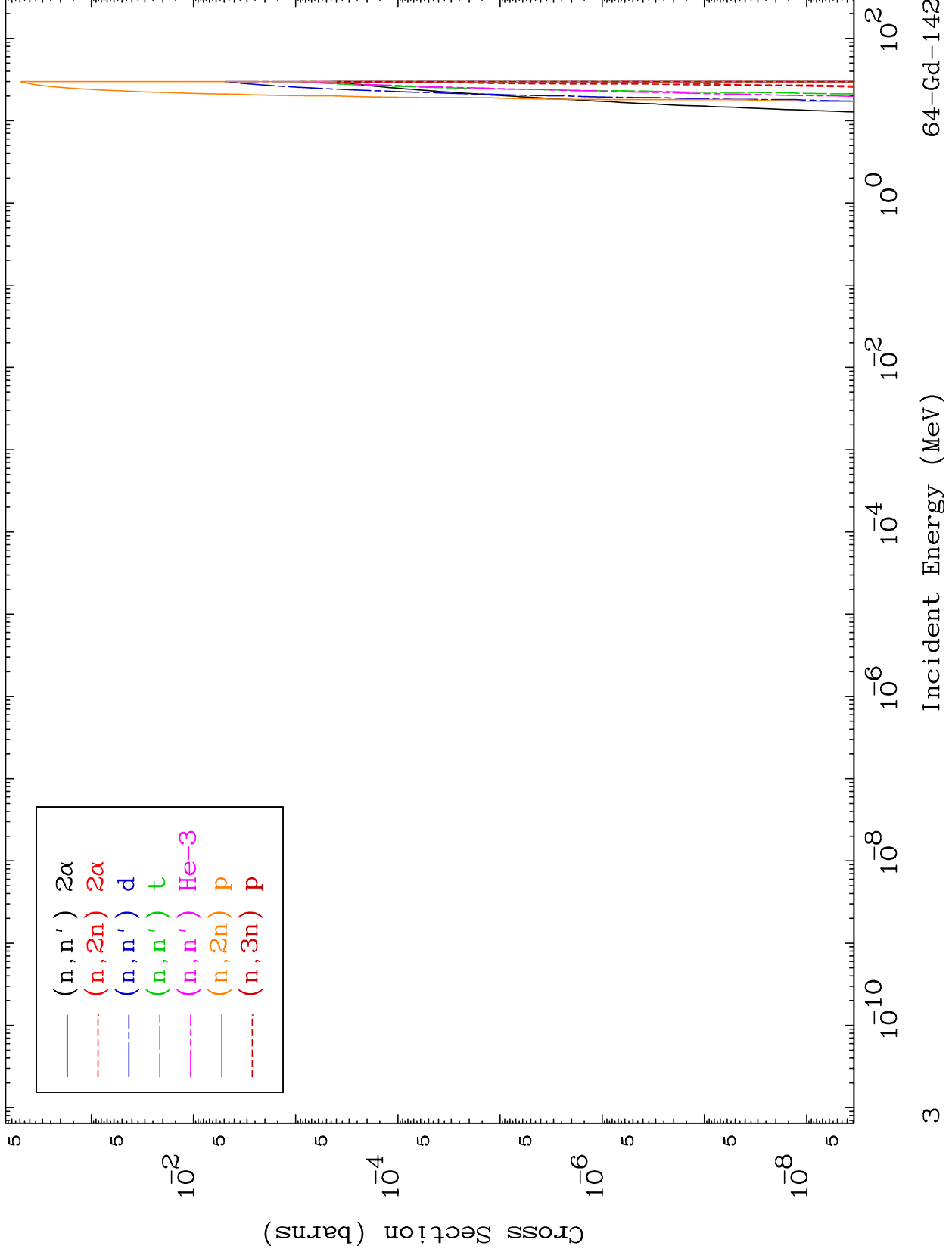
64-Gd-142



MAT 6395

Neutron Production
293 Kelvin Cross Sections

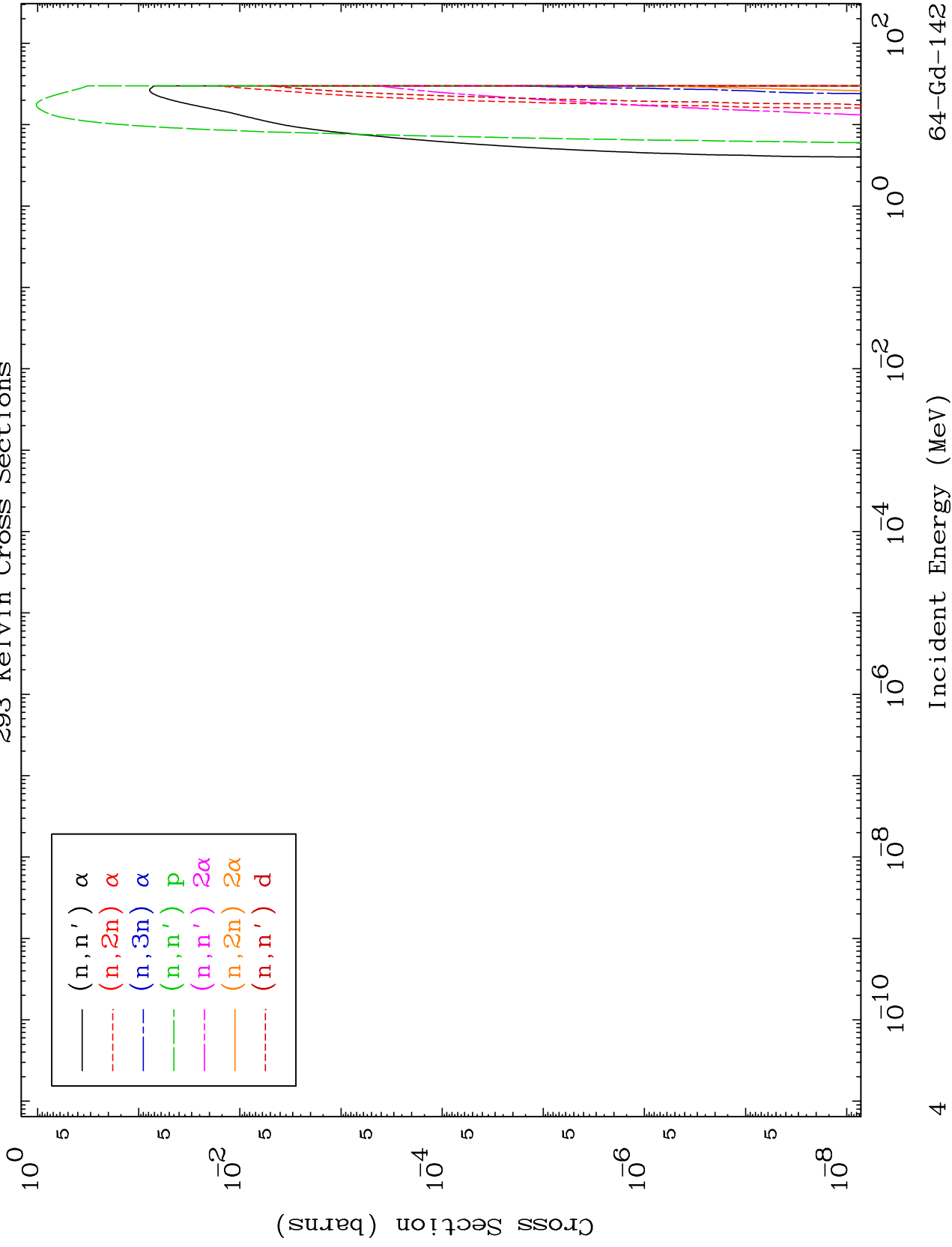
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MAT 6395

Charged Particle
293 Kelvin Cross Sections

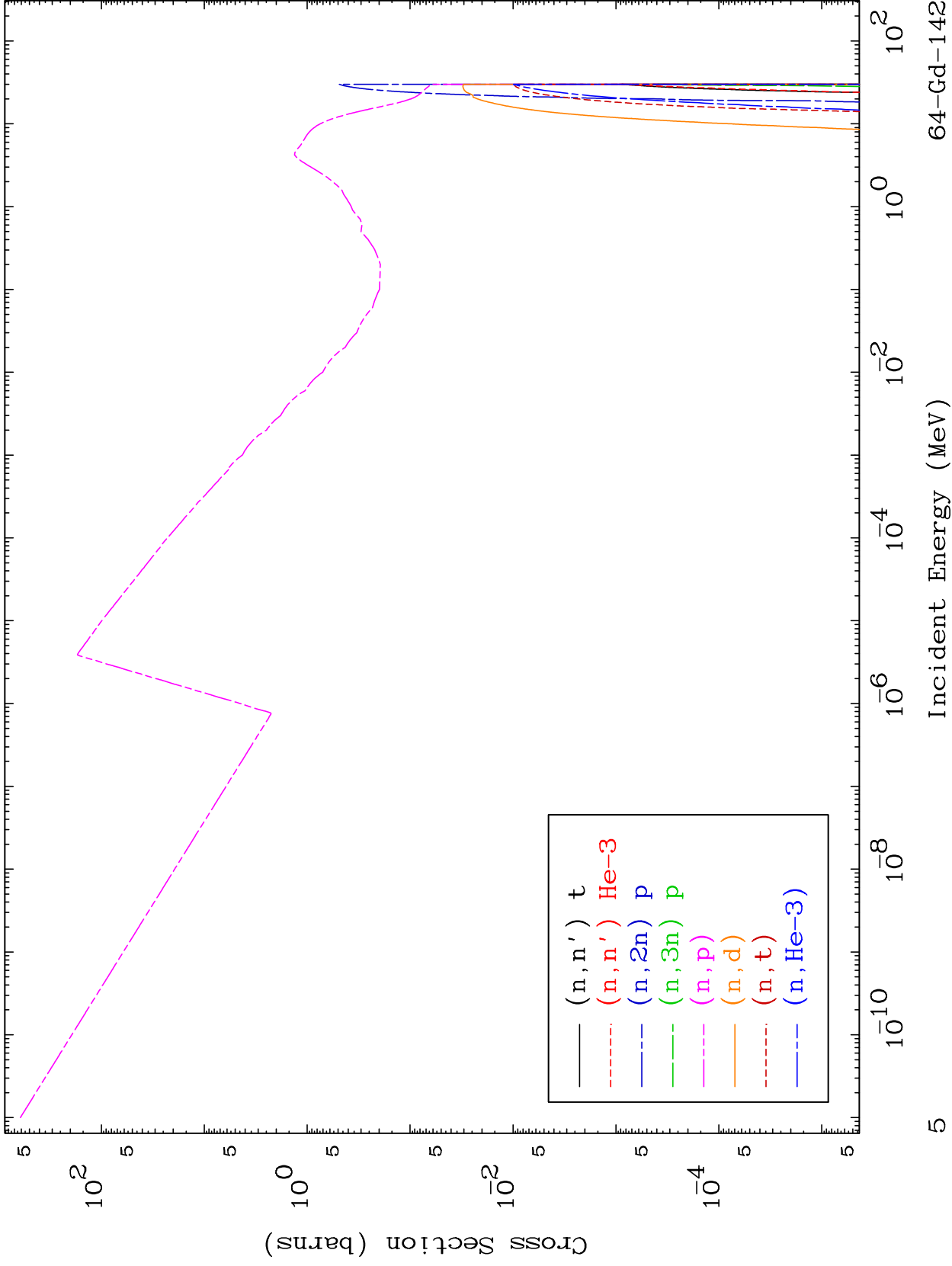
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MAT 6395

Charged Particle
293 Kelvin Cross Sections

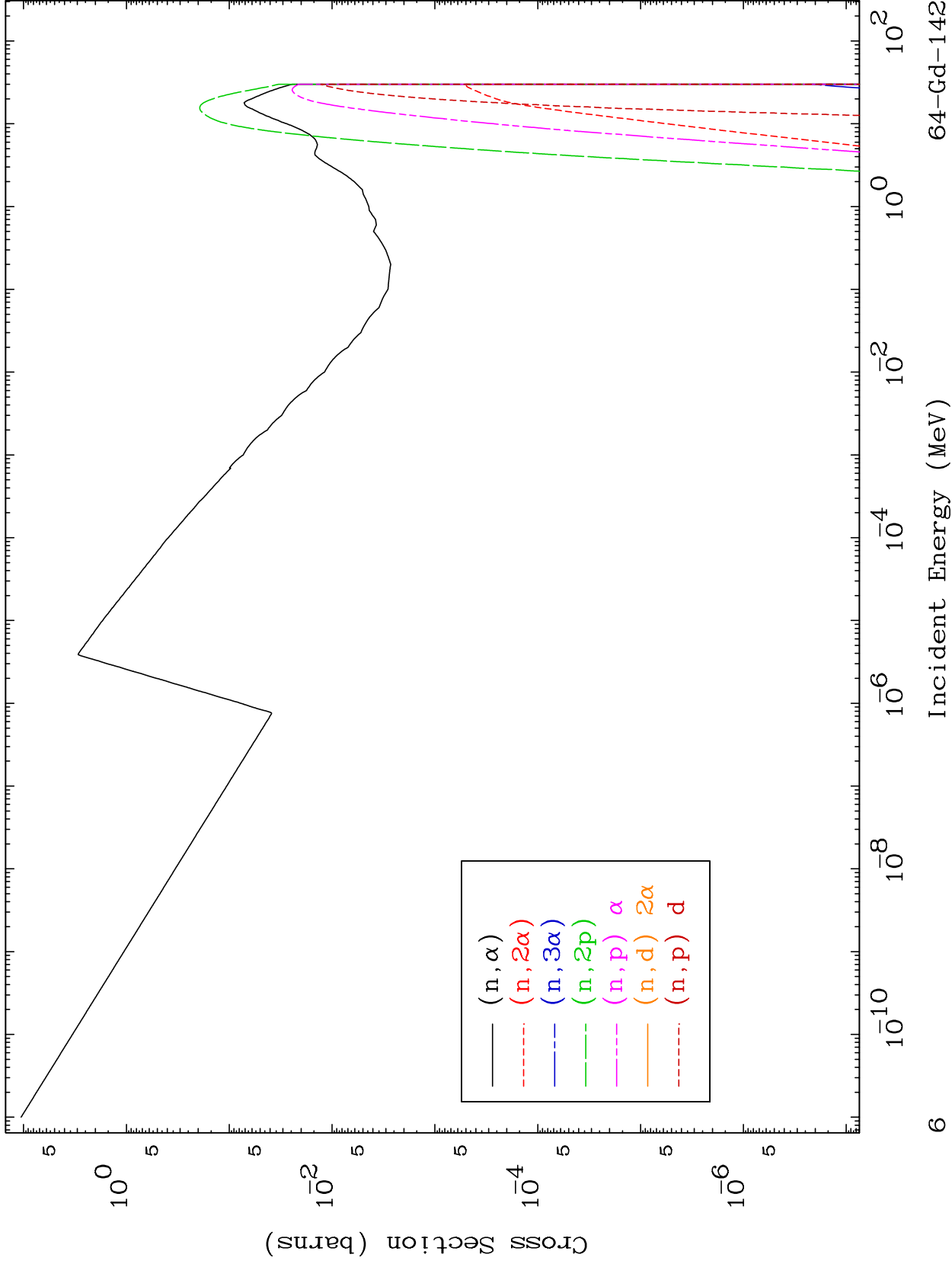
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MAT 6395

Charged Particle
293 Kelvin Cross Sections

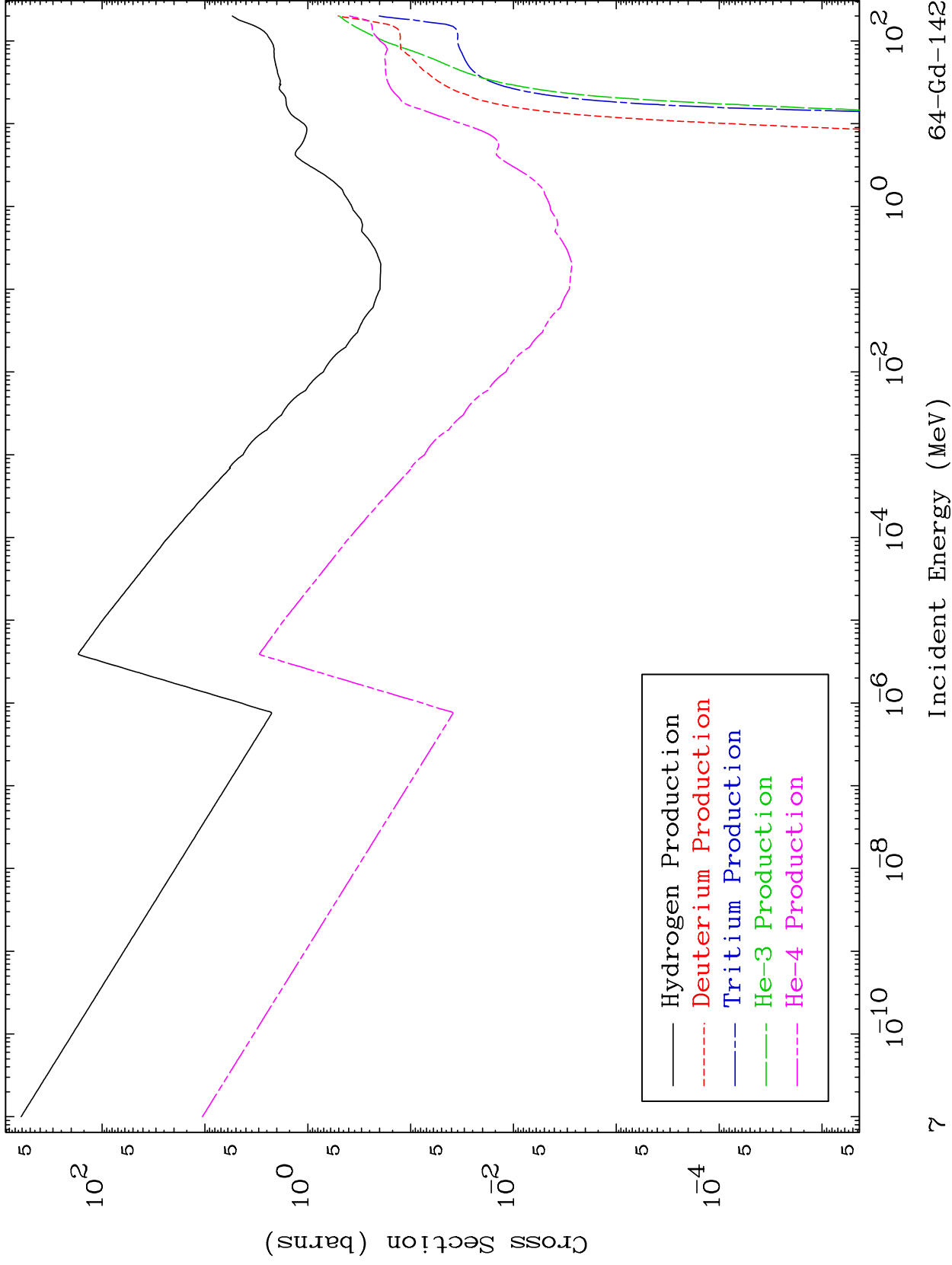
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MAT 6395

Particle Production
293 Kelvin Cross Sections

64-Gd-142

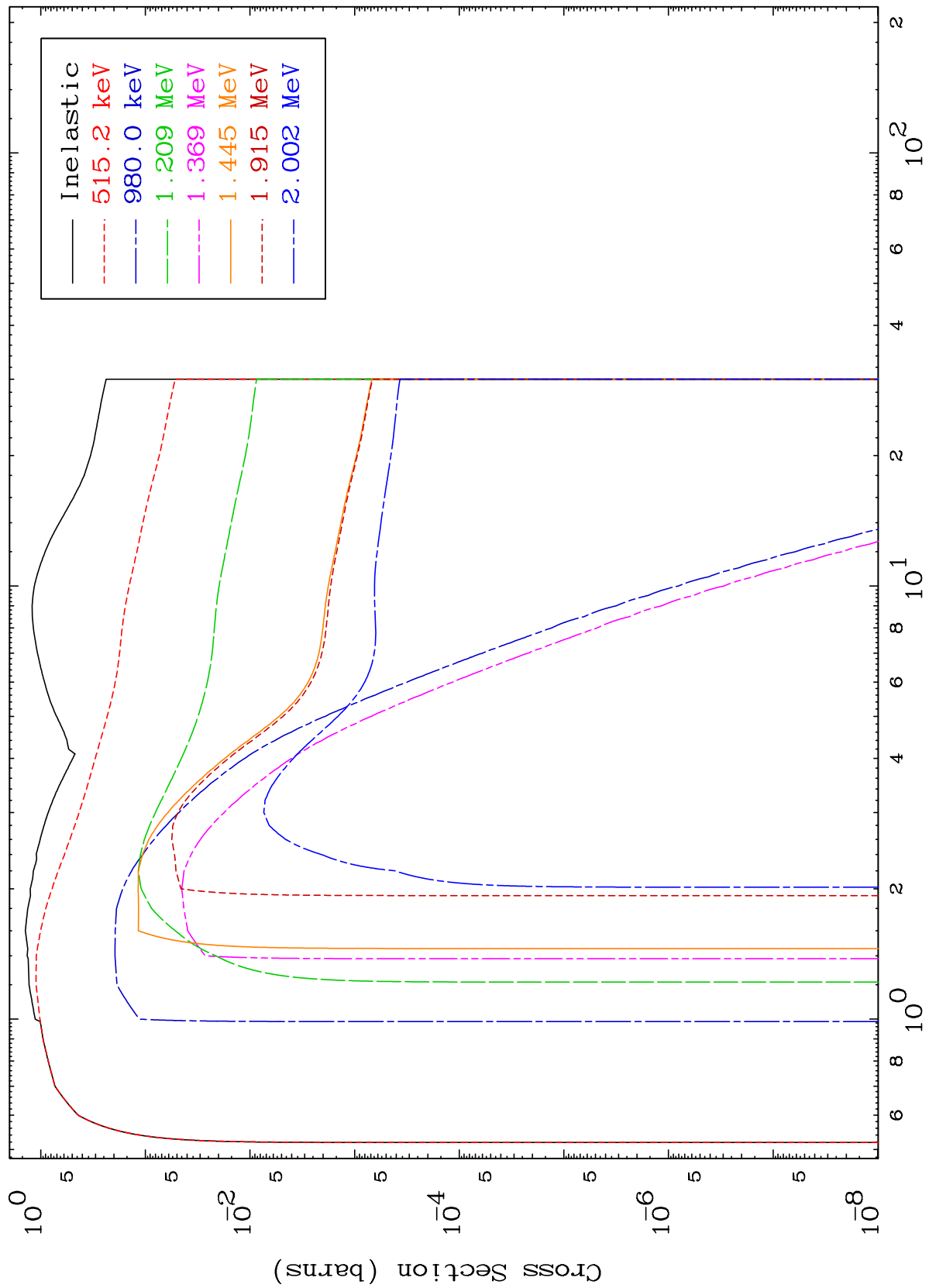


MAT 6395

(n,n') Level

64-Gd-142

293 Kelvin Cross Sections



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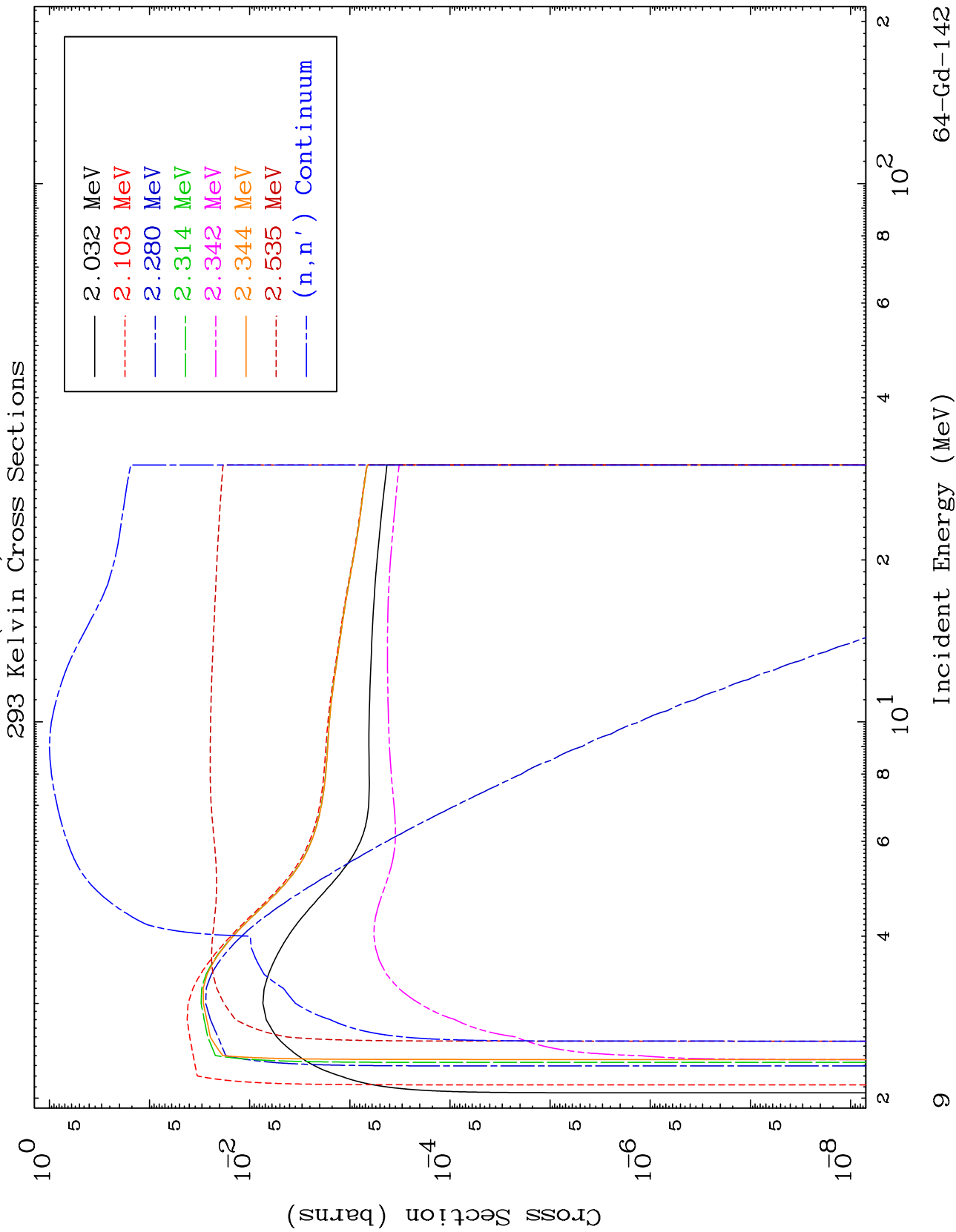
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,n') Level

64-Gd-142

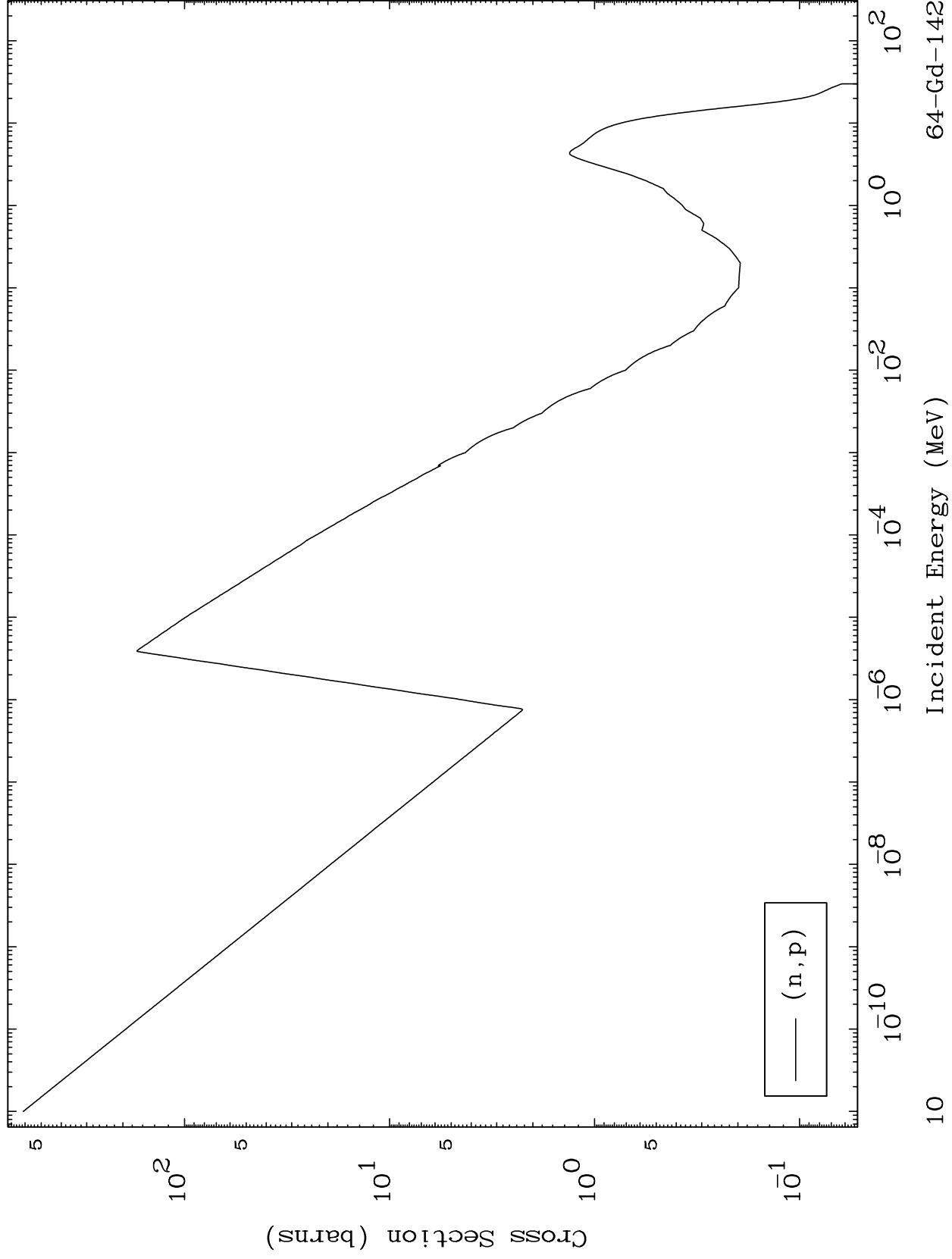


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MAT 6395

(n,p) Levels
293 Kelvin Cross Sections

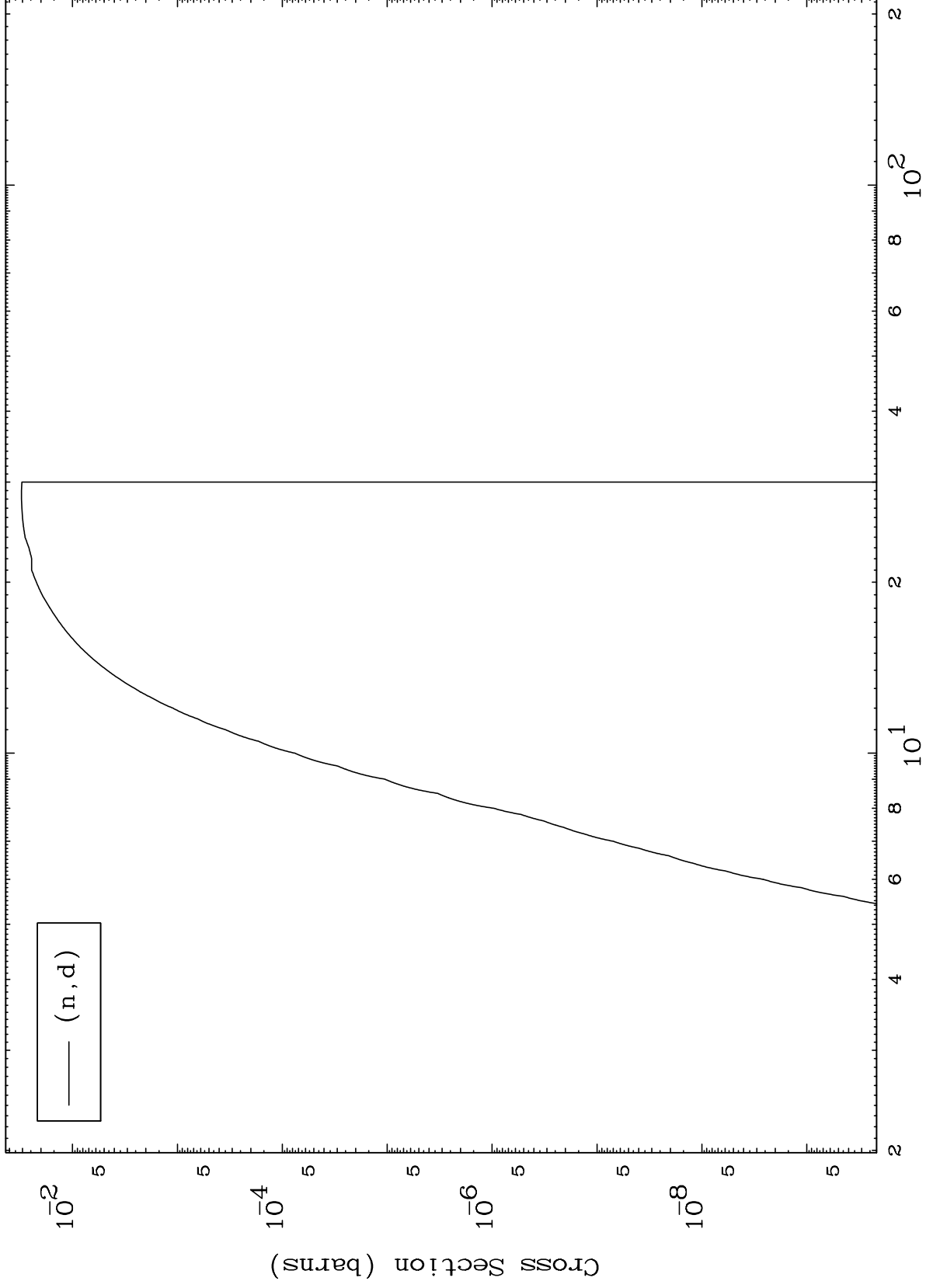
64-Gd-142



MAT 6395

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-142



11

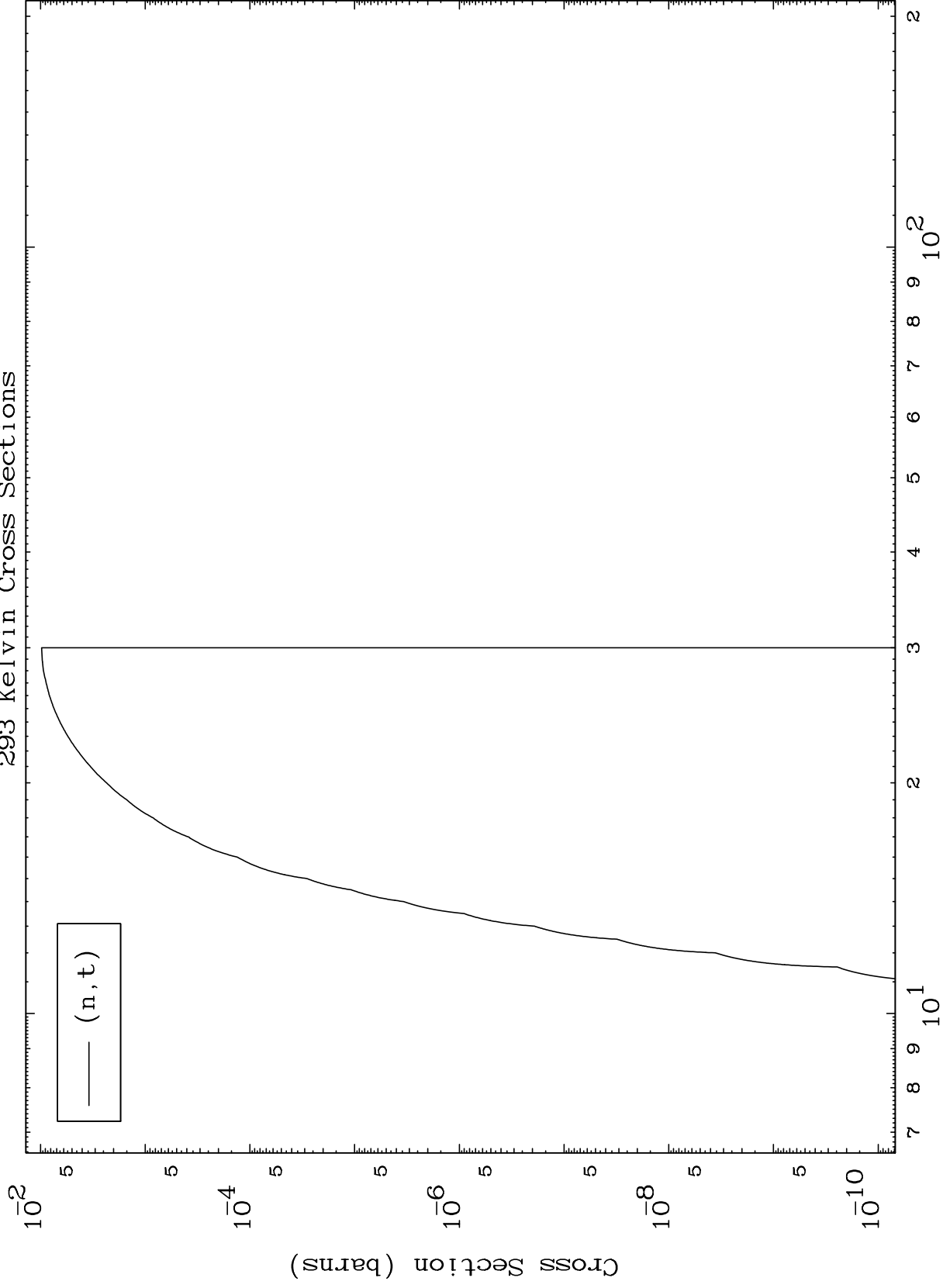
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-142



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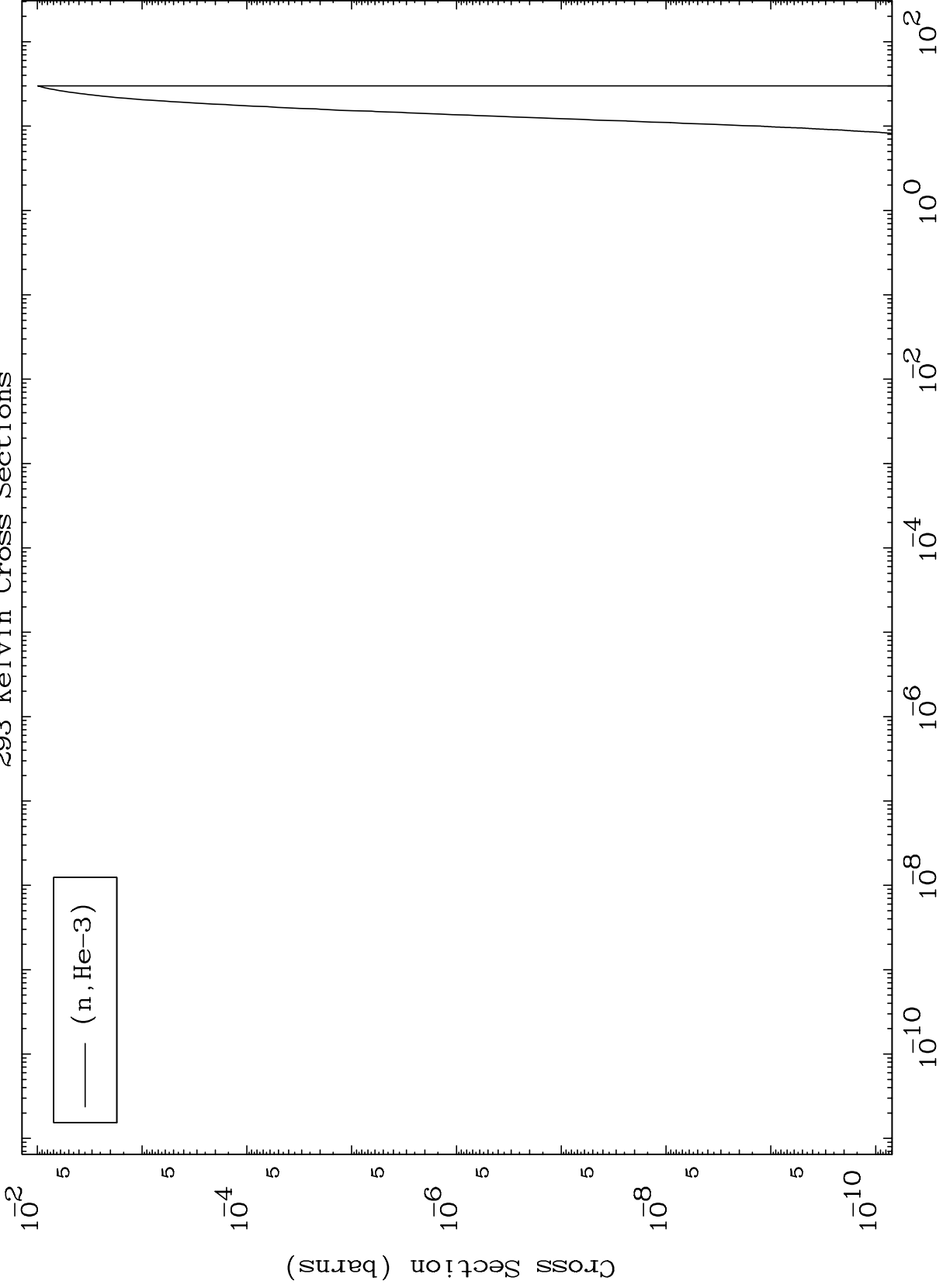
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,He3) Levels
293 Kelvin Cross Sections

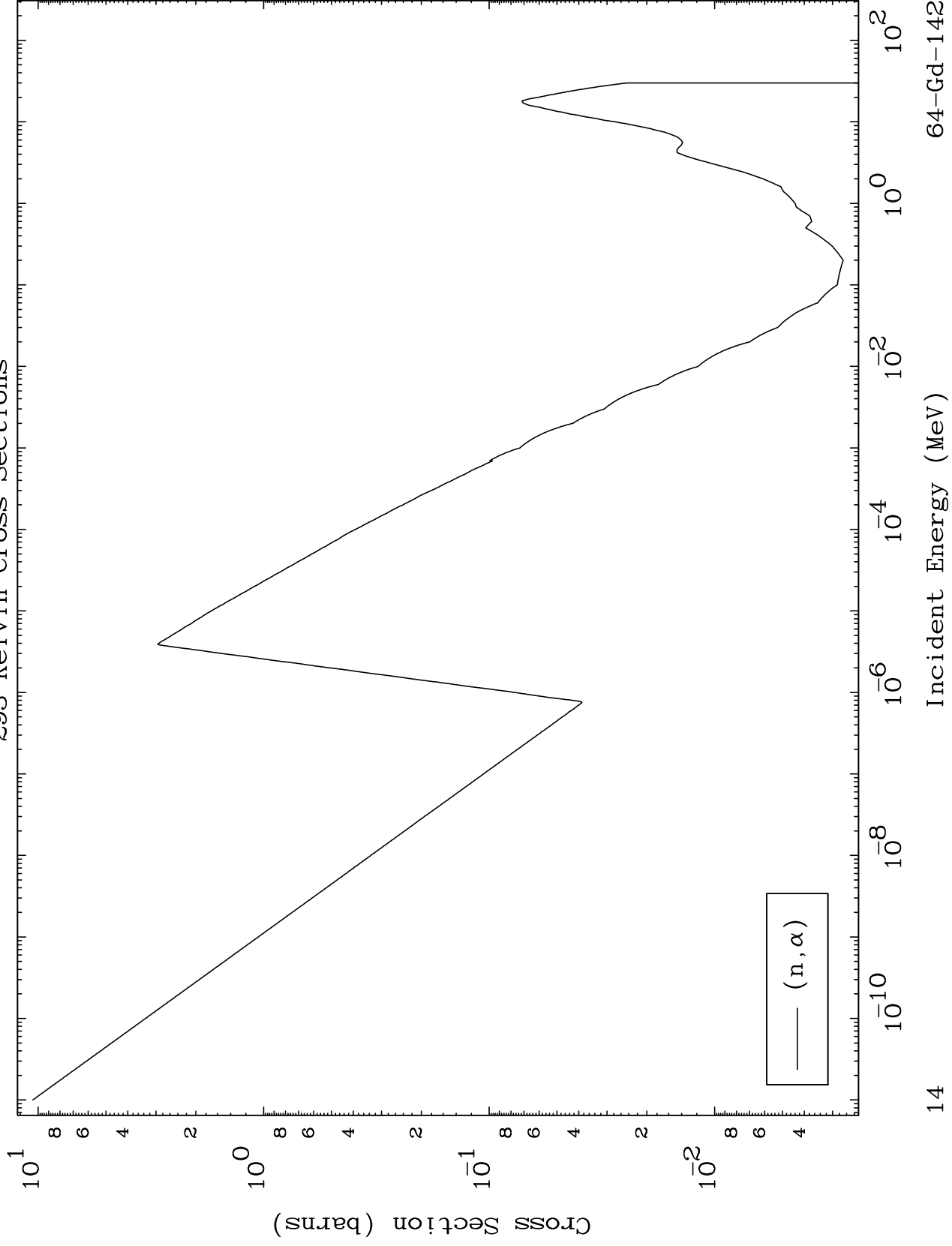
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MAT 6395

(n, α) Levels
293 Kelvin Cross Sections

64-Gd-142

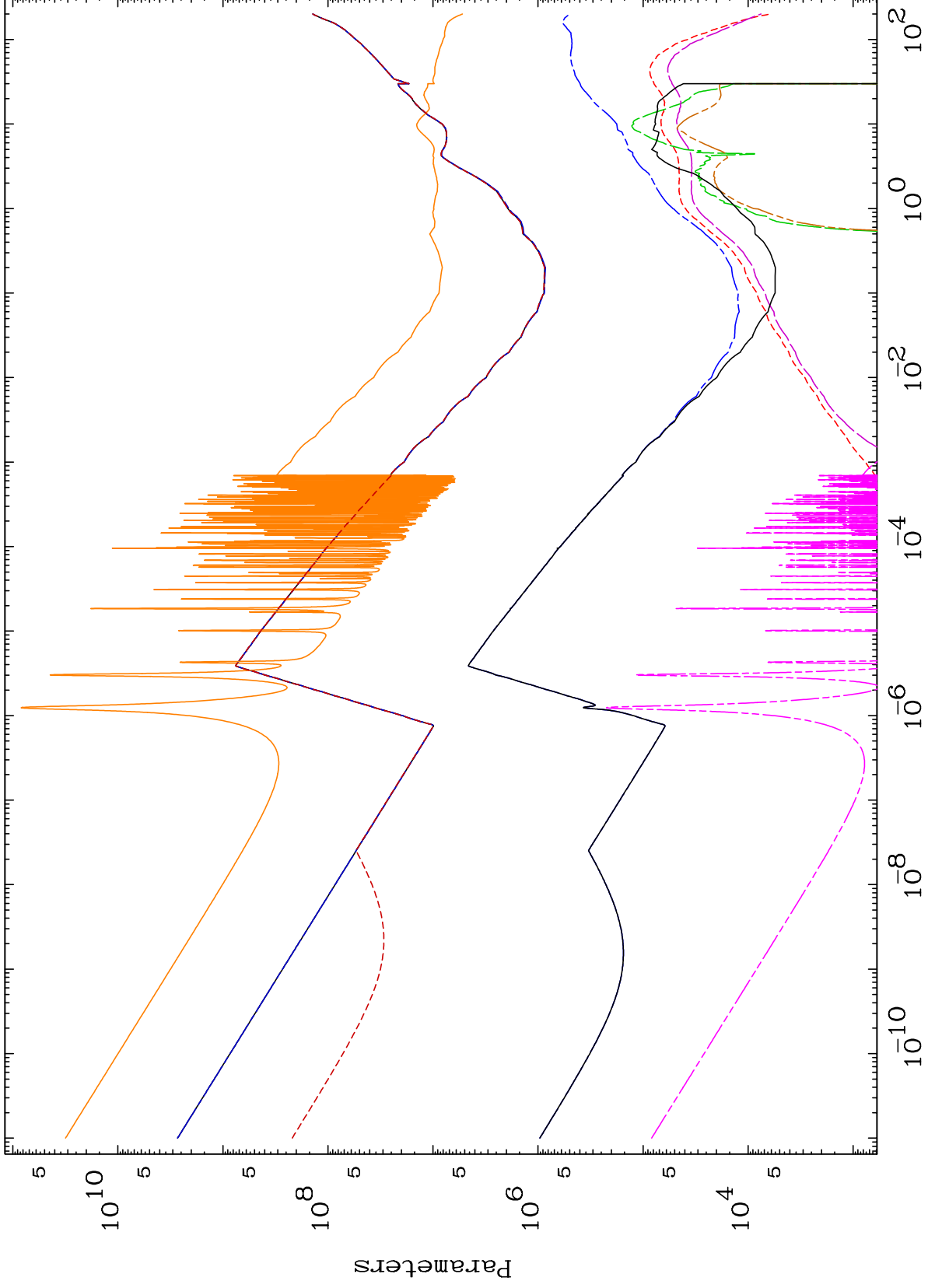


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Energy Release
Parameters

64-Gd-142



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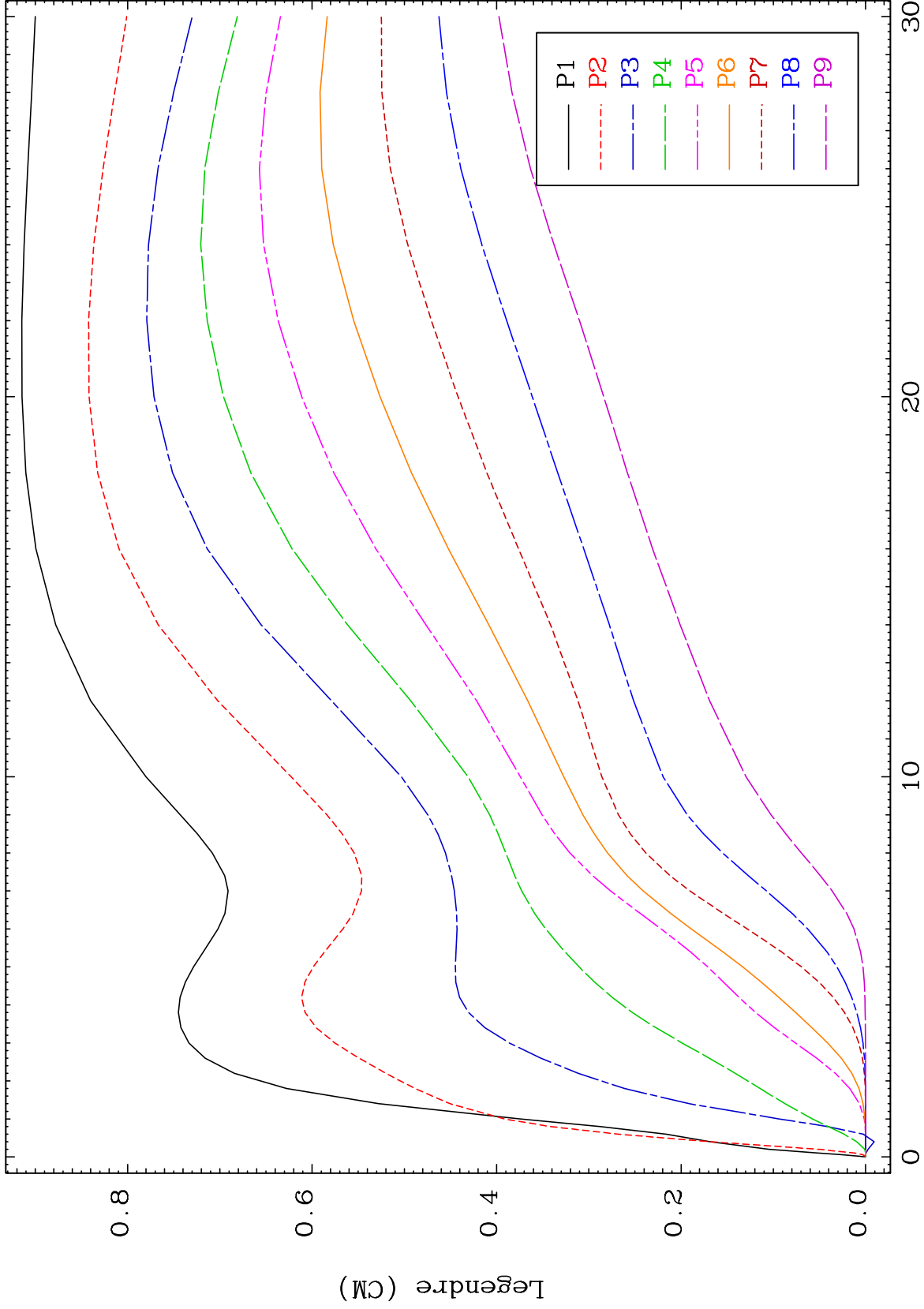
Incident Energy (MeV)

64-Gd-142

MAT 6395

Elastic Legendre Coefficients

64-Gd-142



16

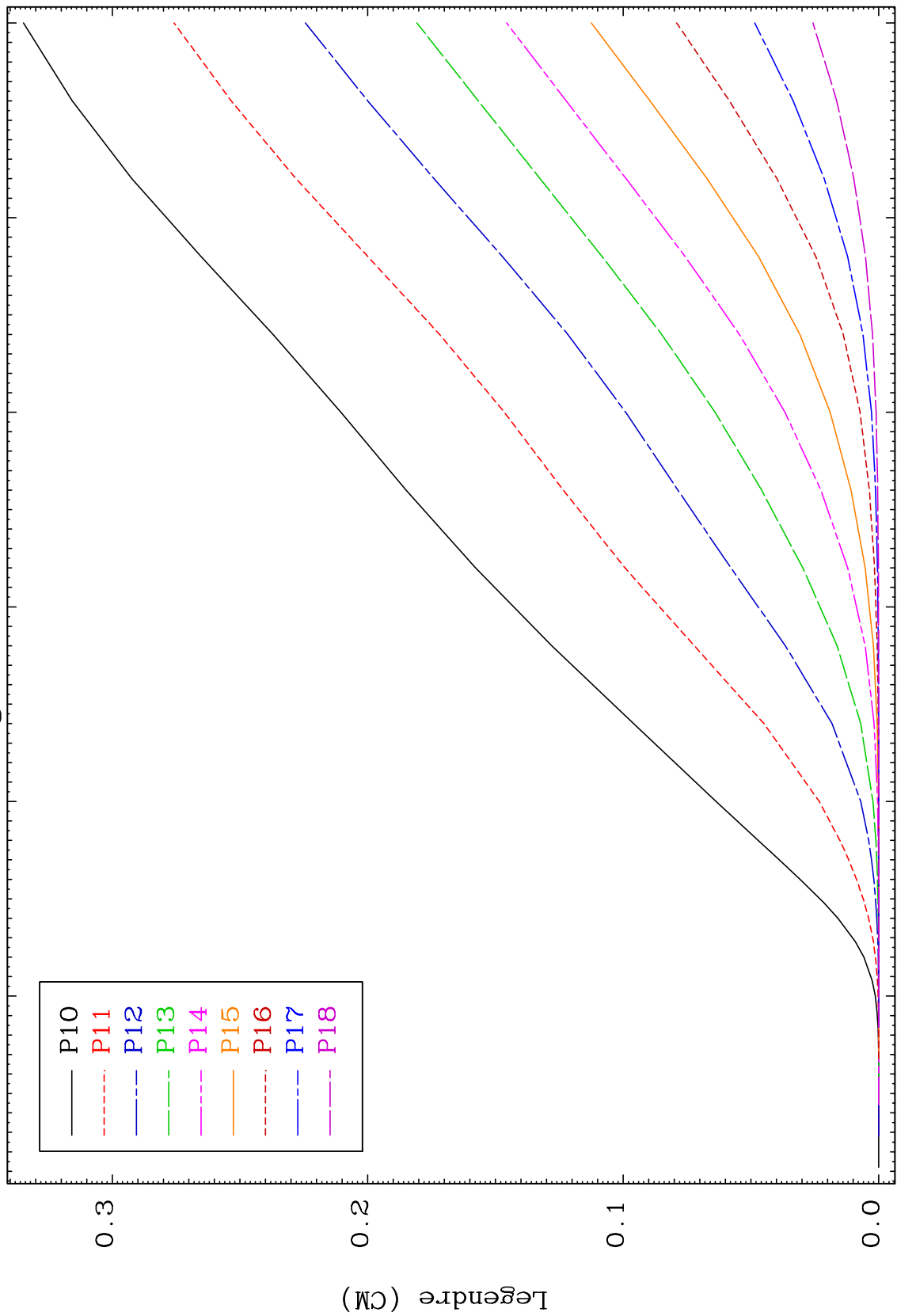
Incident Energy (MeV)

64-Gd-142

MAT 6395

Elastic Legendre Coefficients

64-Gd-142



17

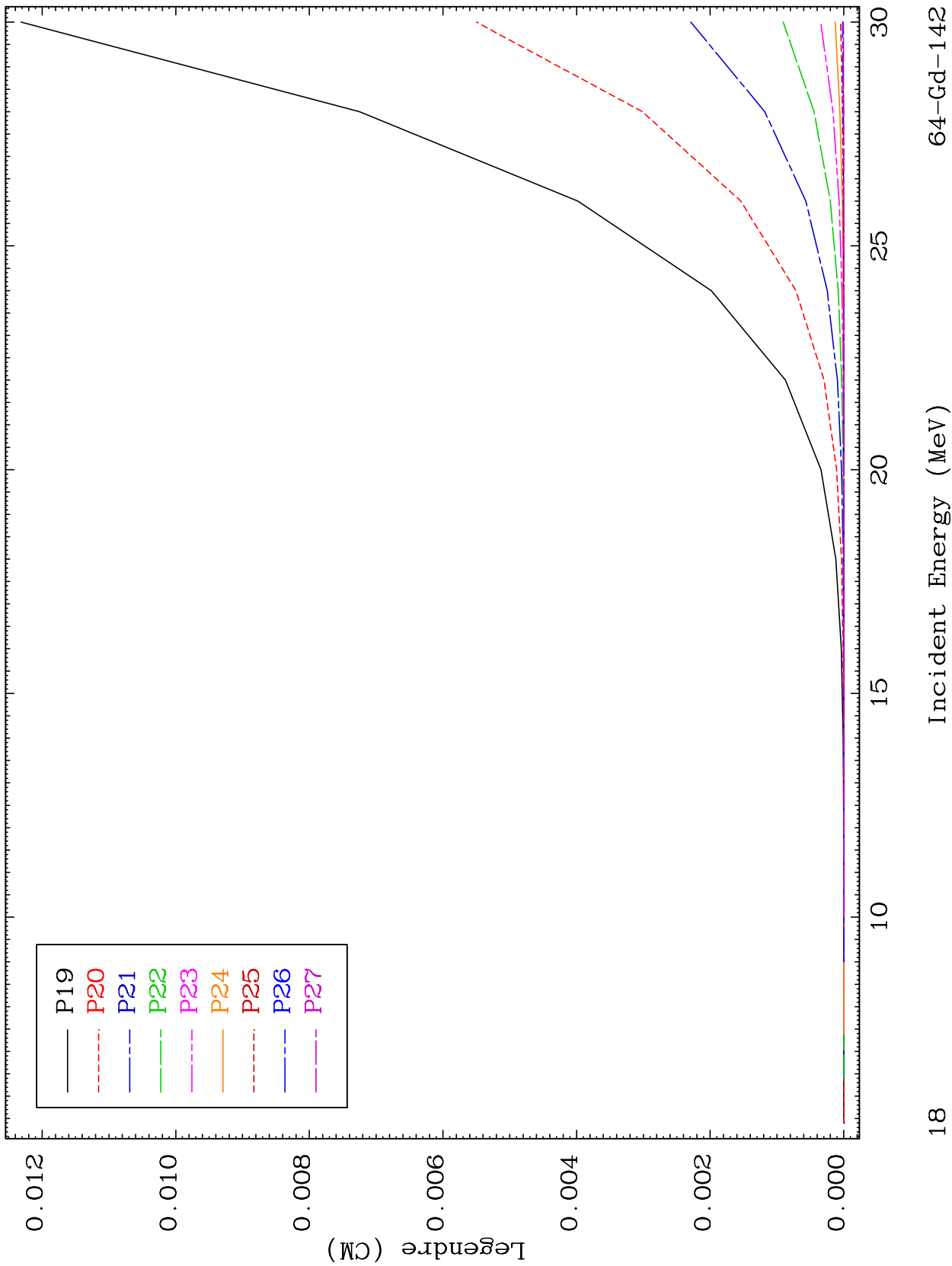
Incident Energy (MeV)

64-Gd-142

MAT 6395

Elastic Legendre Coefficients

64-Gd-142



18

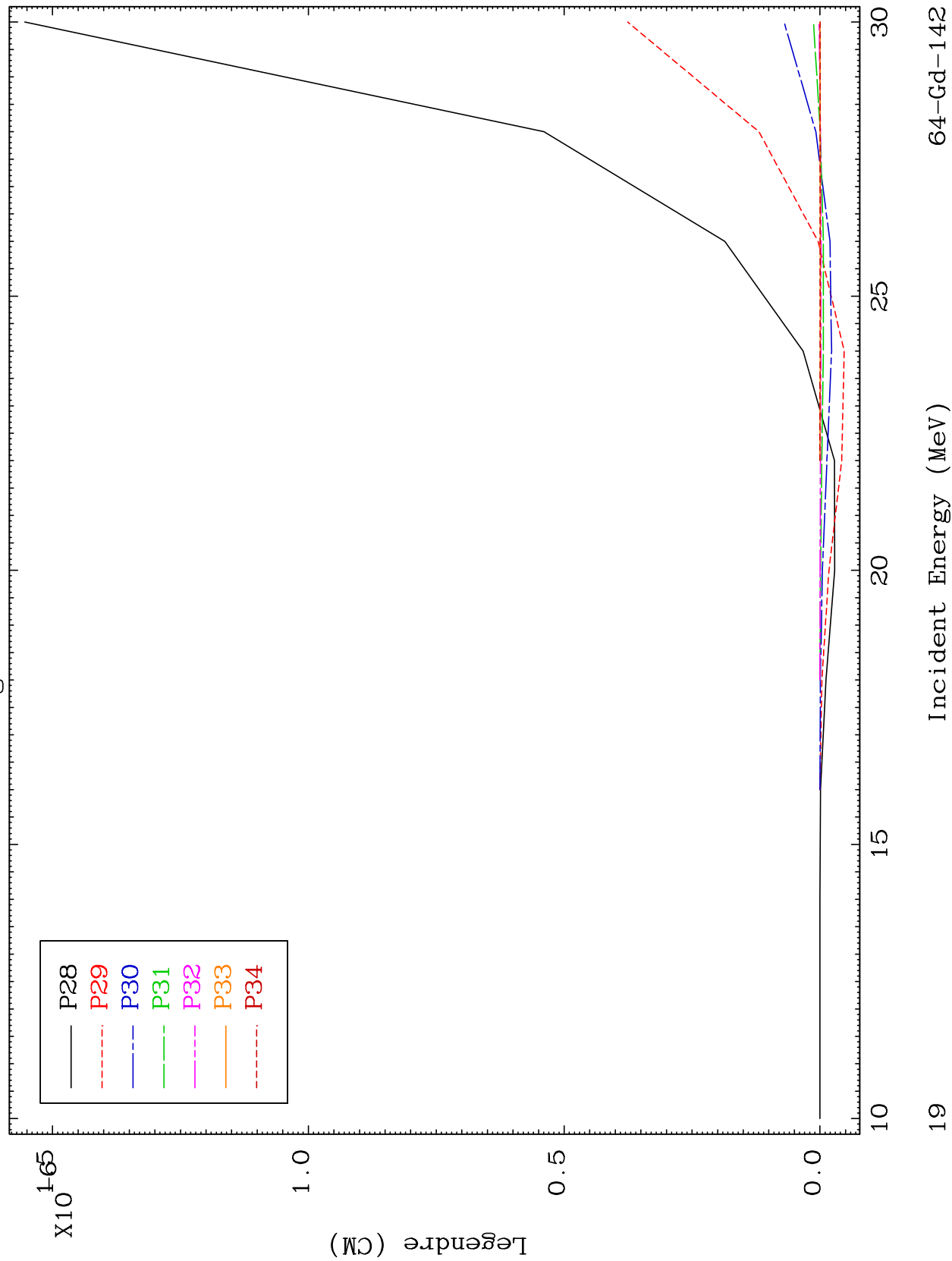
Incident Energy (MeV)

64-Gd-142

MAT 6395

Elastic
Legendre Coefficients

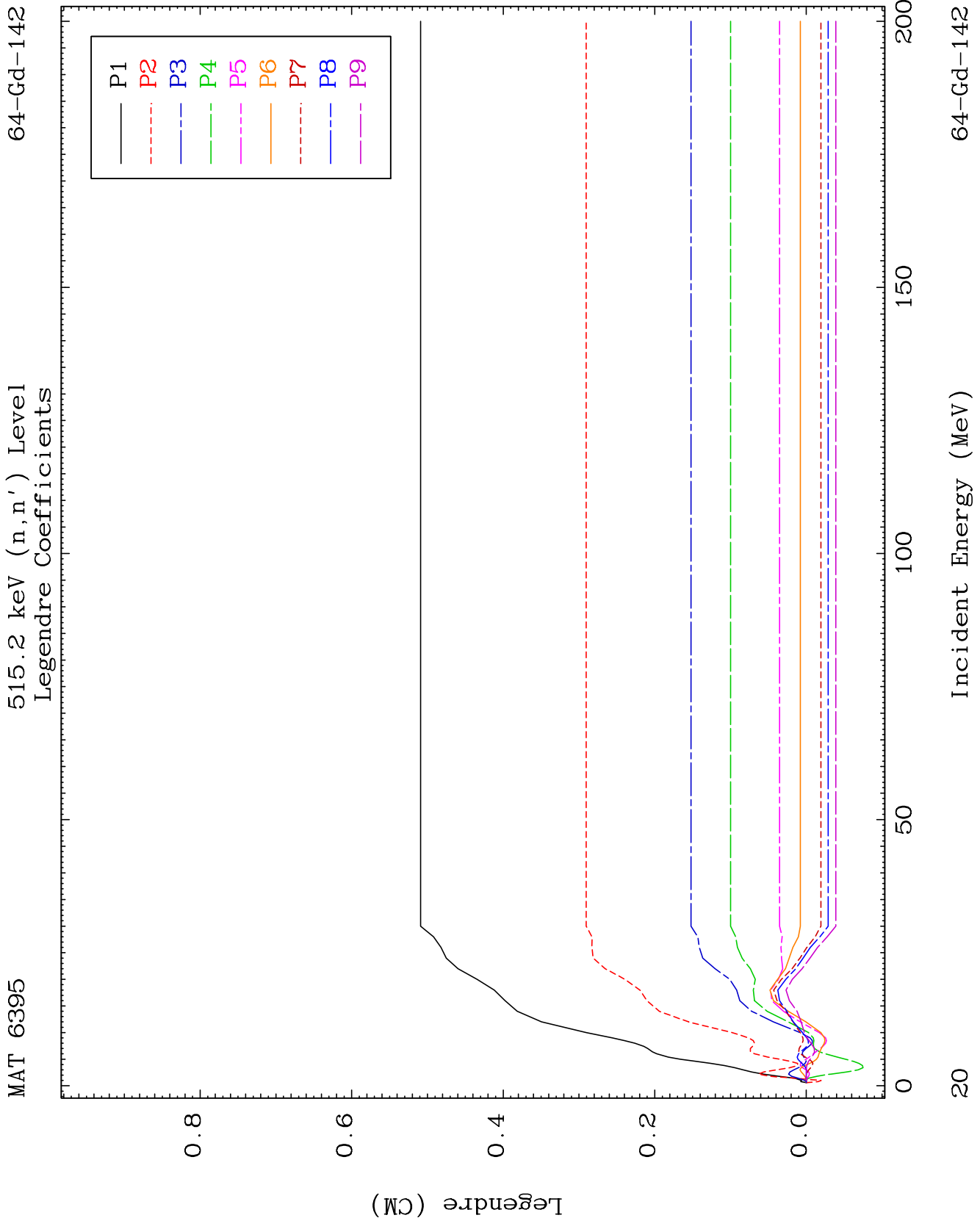
64-Gd-142



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Incident Energy (MeV)

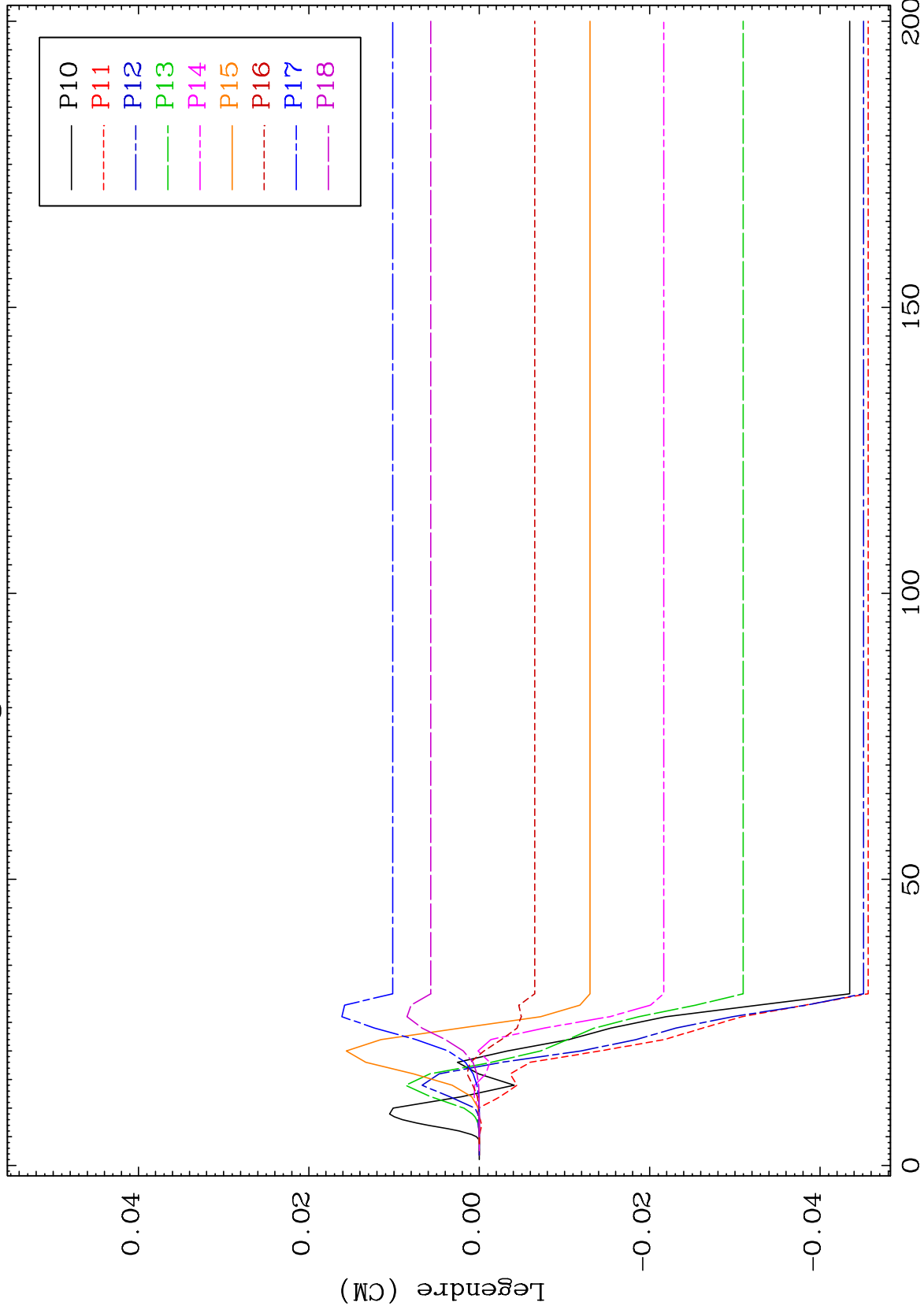
64-Gd-142



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515.2 keV (n,n') Level
Legendre Coefficients

64-Gd-142



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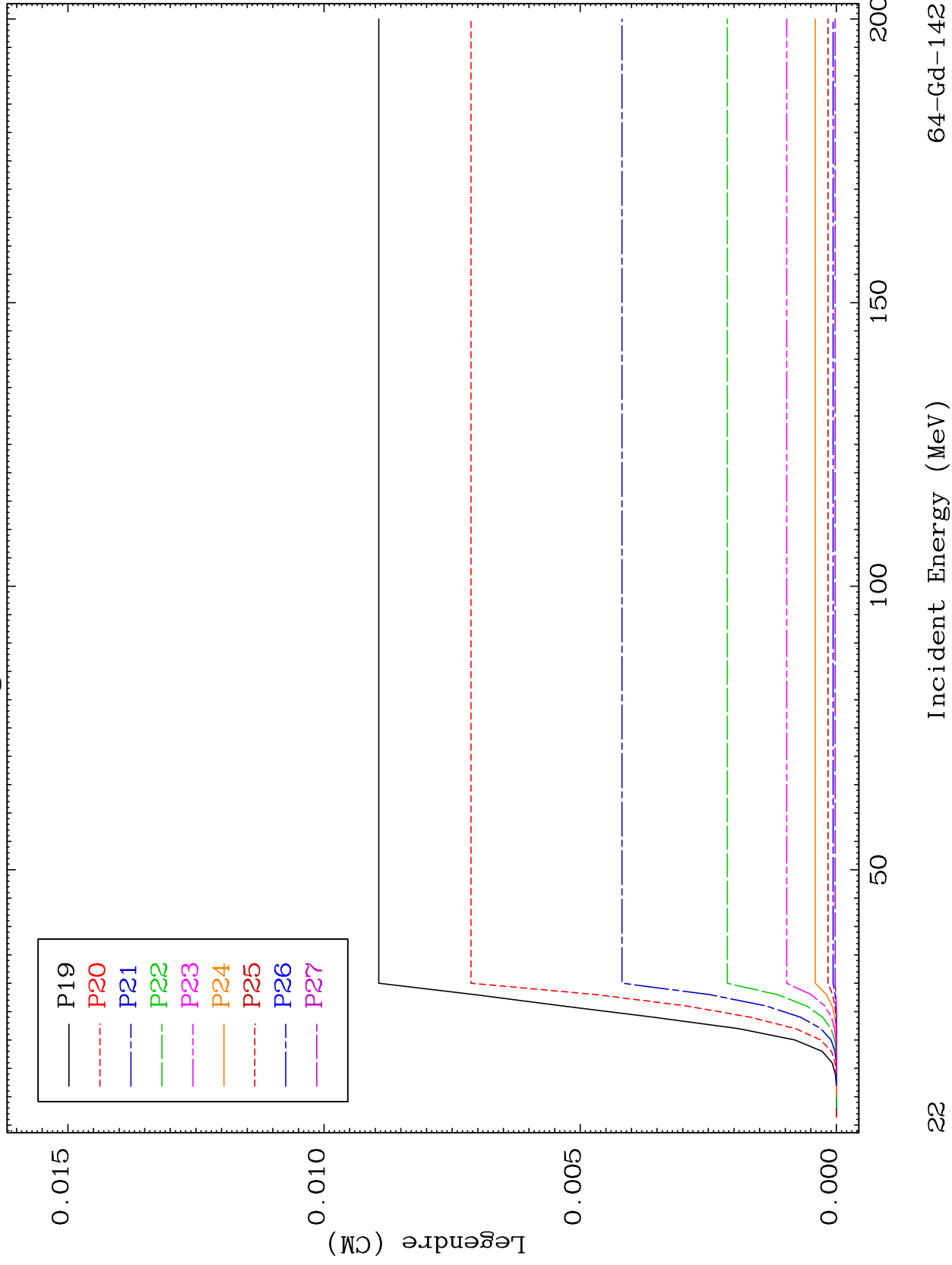
Incident Energy (MeV)

64-Gd-142

MAT 6395

515.2 keV (n,n') Level
Legendre Coefficients

64-Gd-142



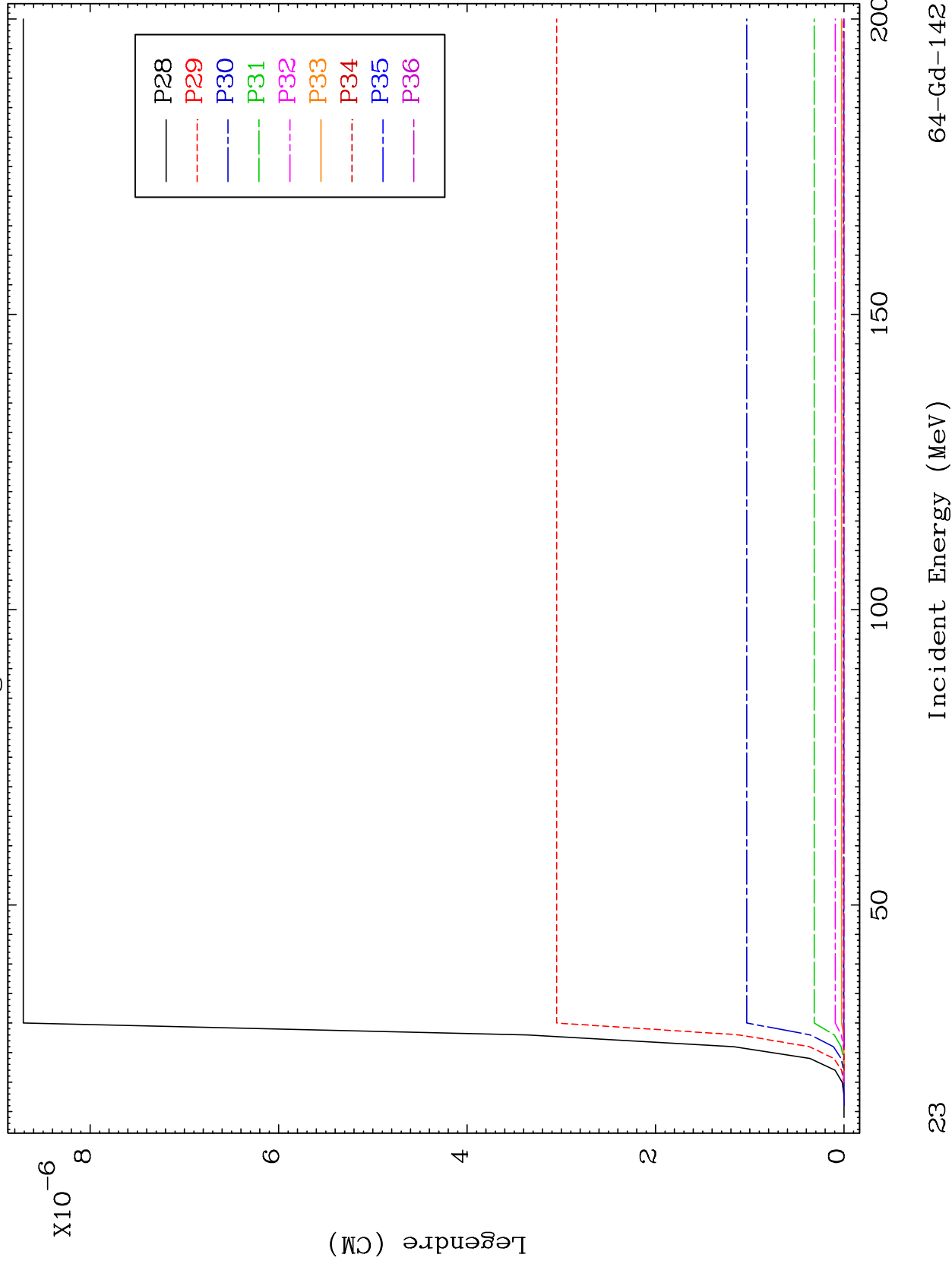
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64-Gd-142

MAT 6395

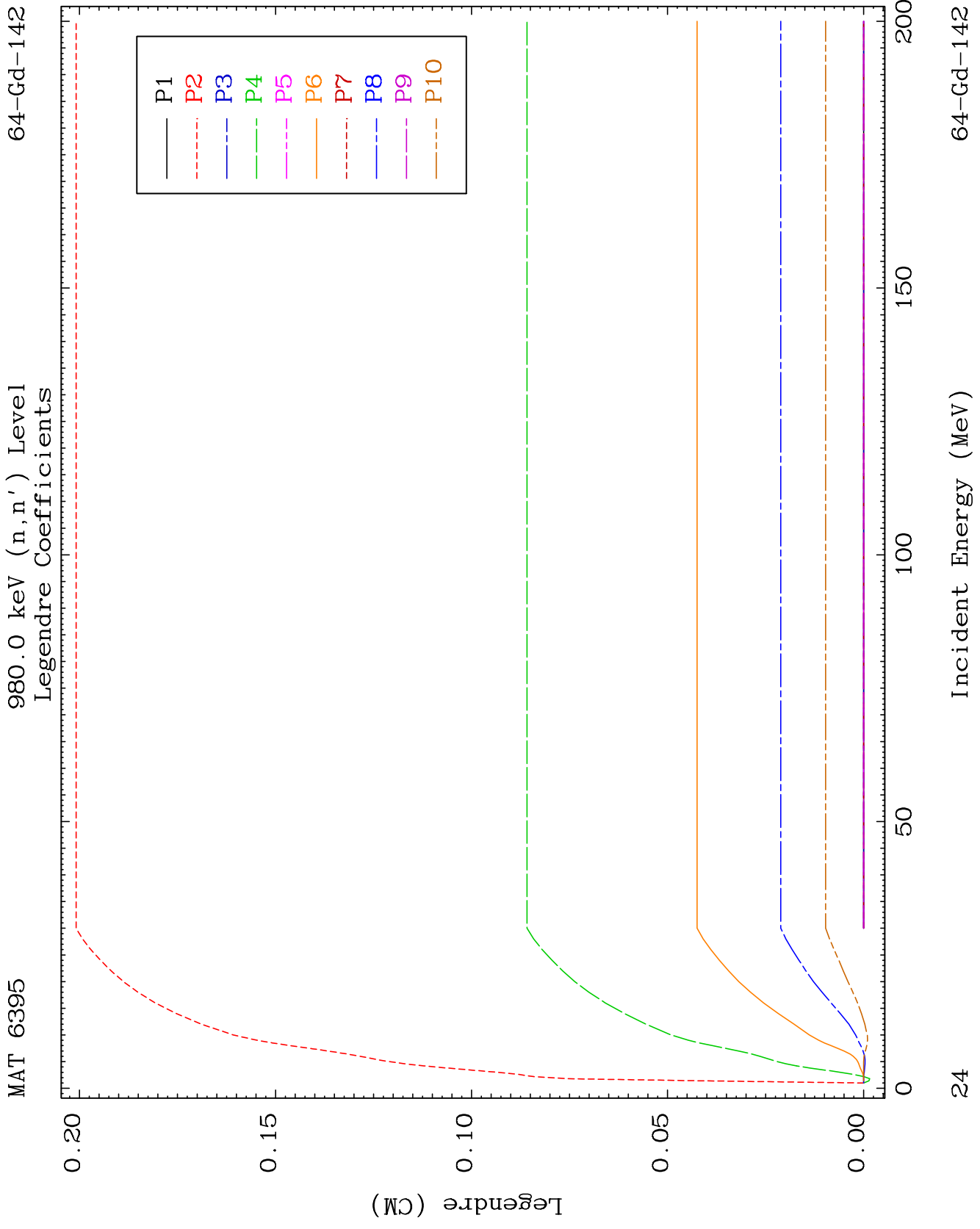
515.2 keV (n, n') Level
Legendre Coefficients

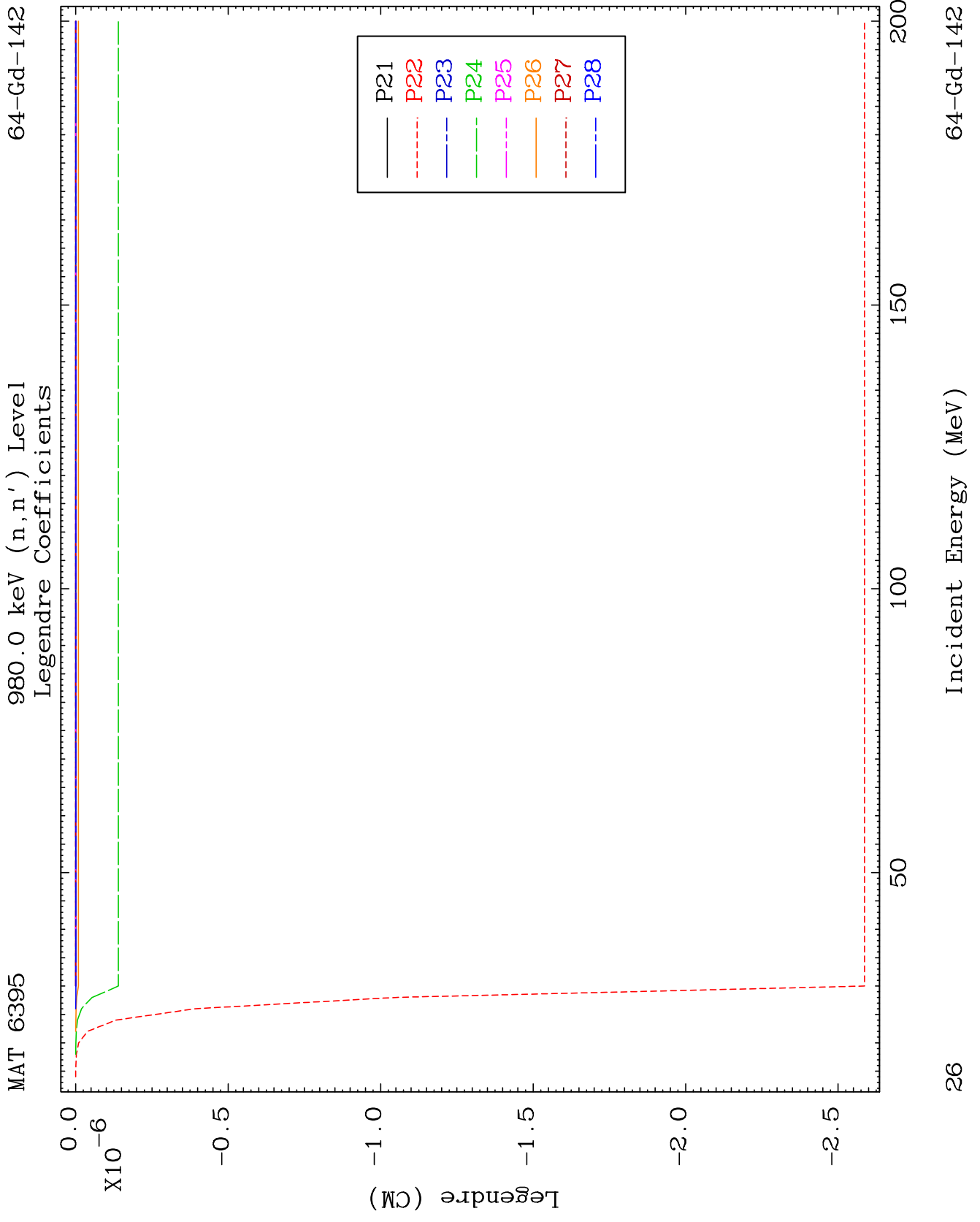
64-Gd-142



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64-Gd-142

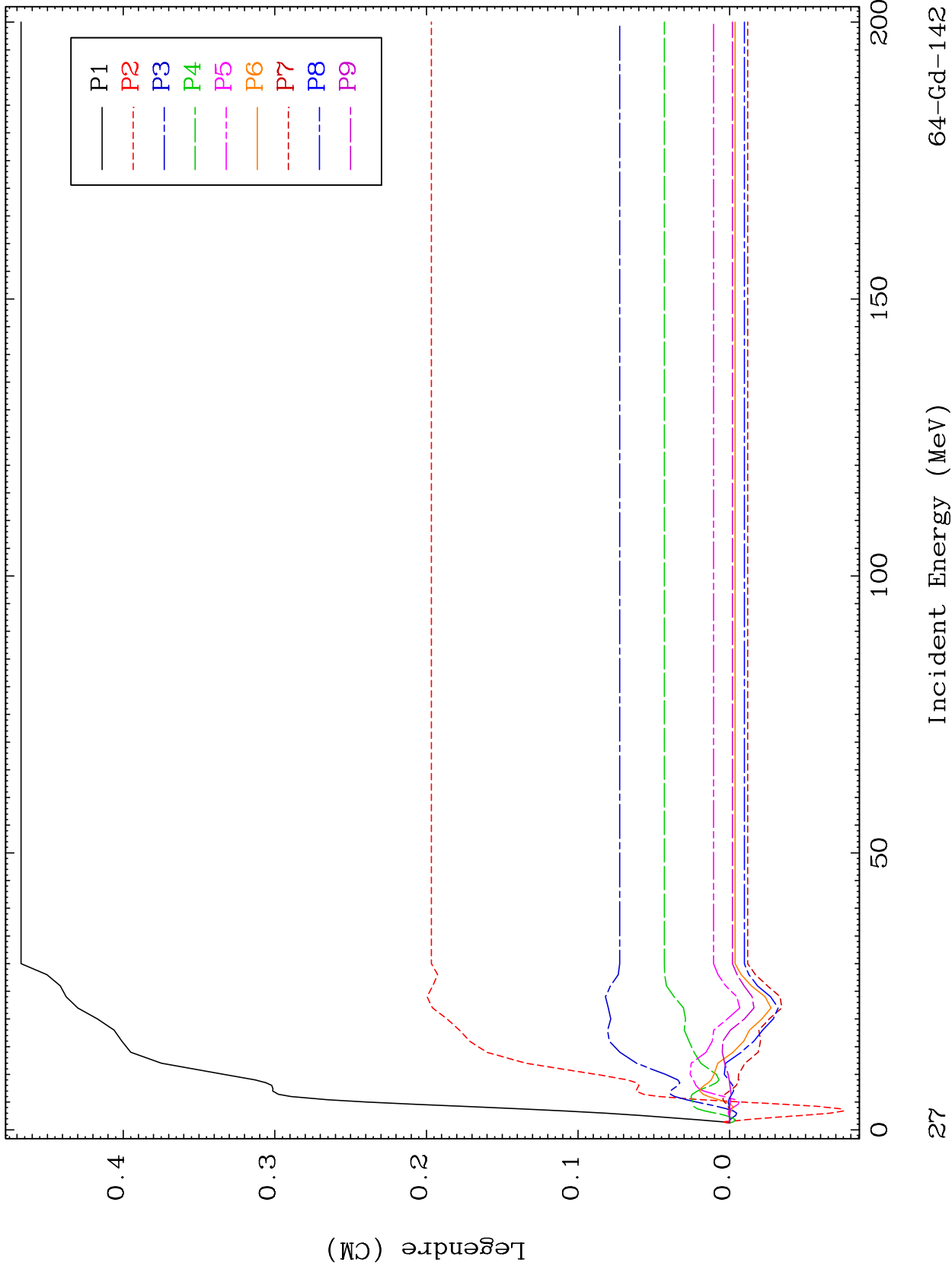




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1.209 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



64-Gd-142

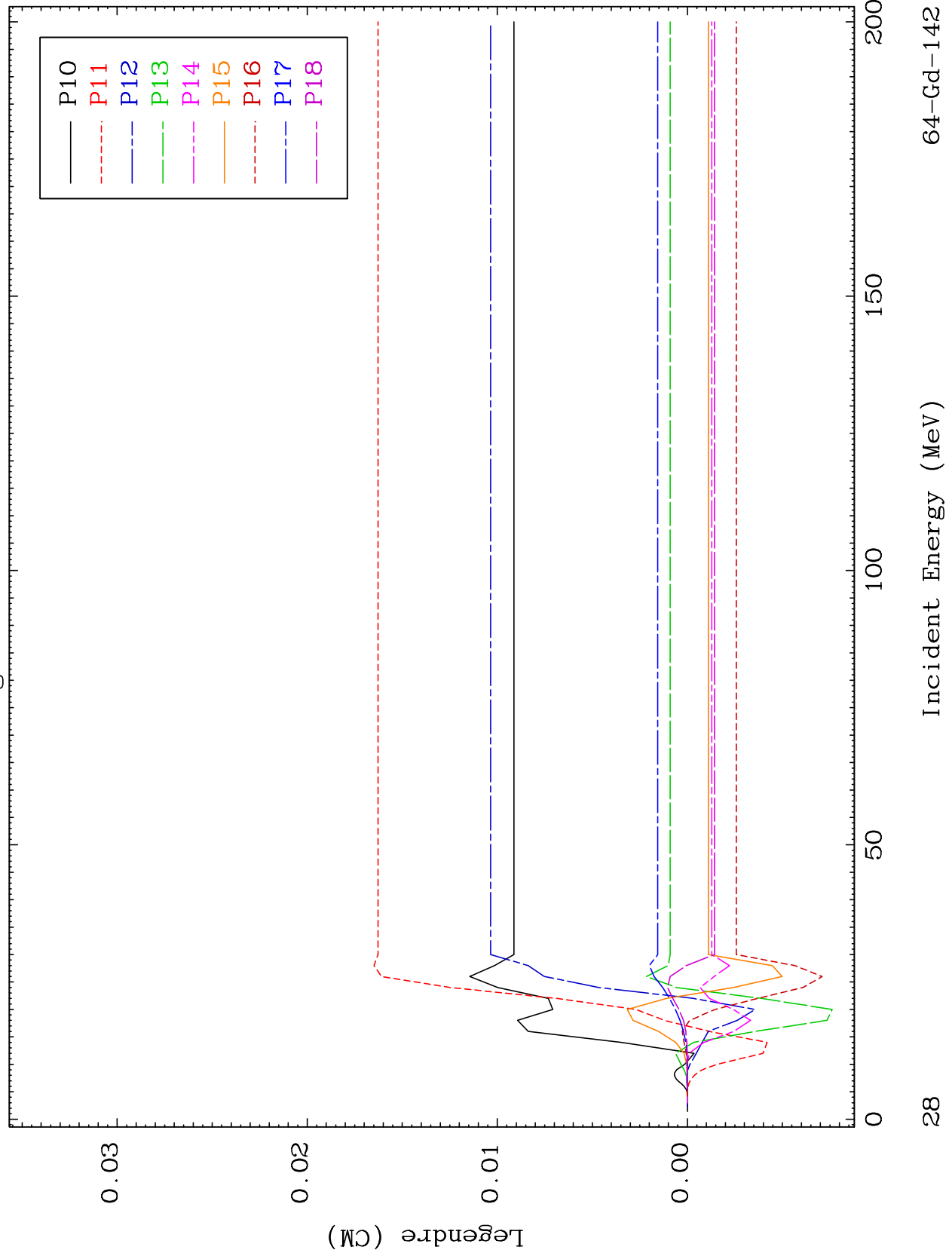
Incident Energy (MeV)

27

MAT 6395

1.209 MeV (n,n') Level
Legendre Coefficients

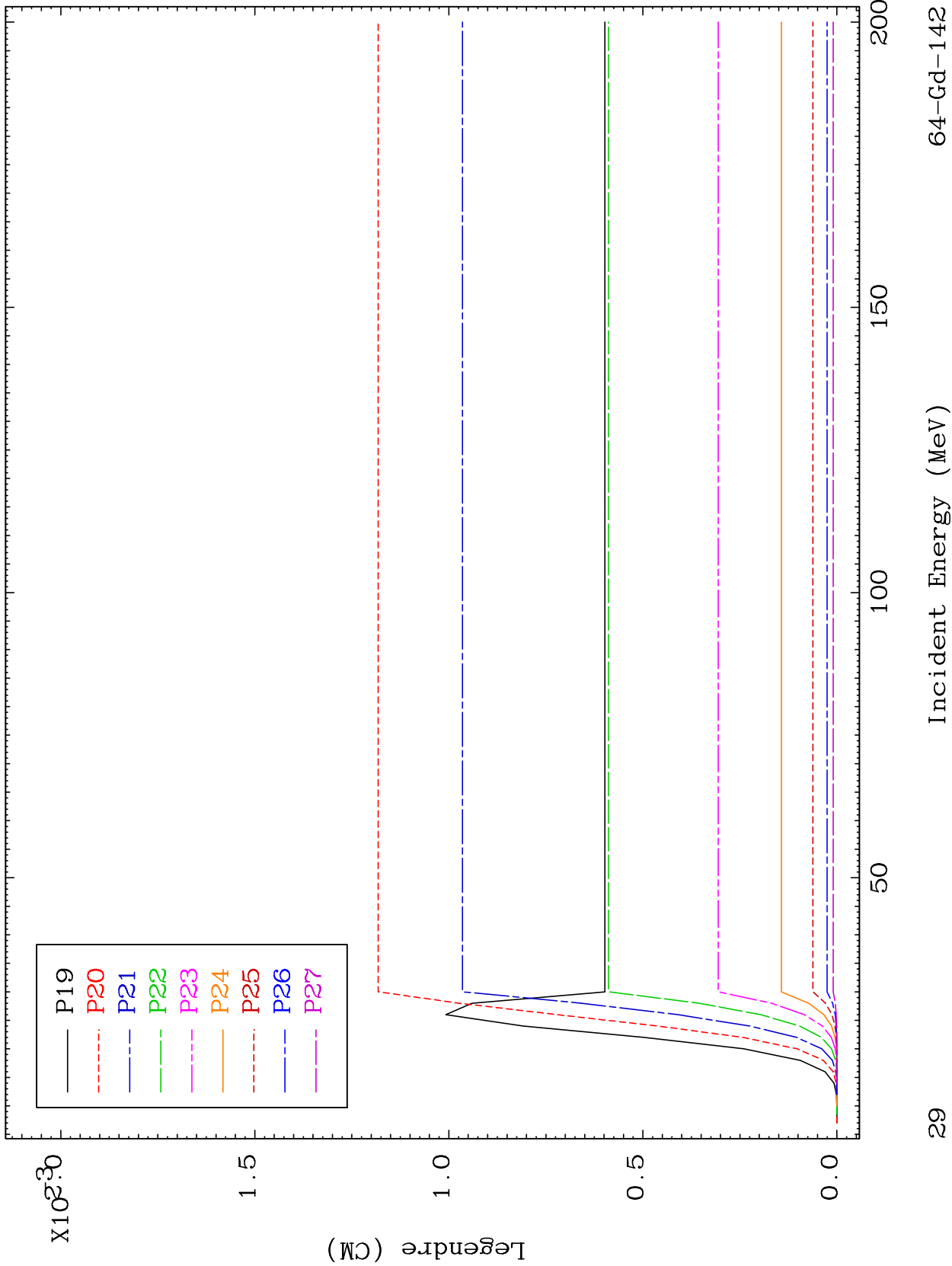
64-Gd-142



64-Gd-142

Incident Energy (MeV)

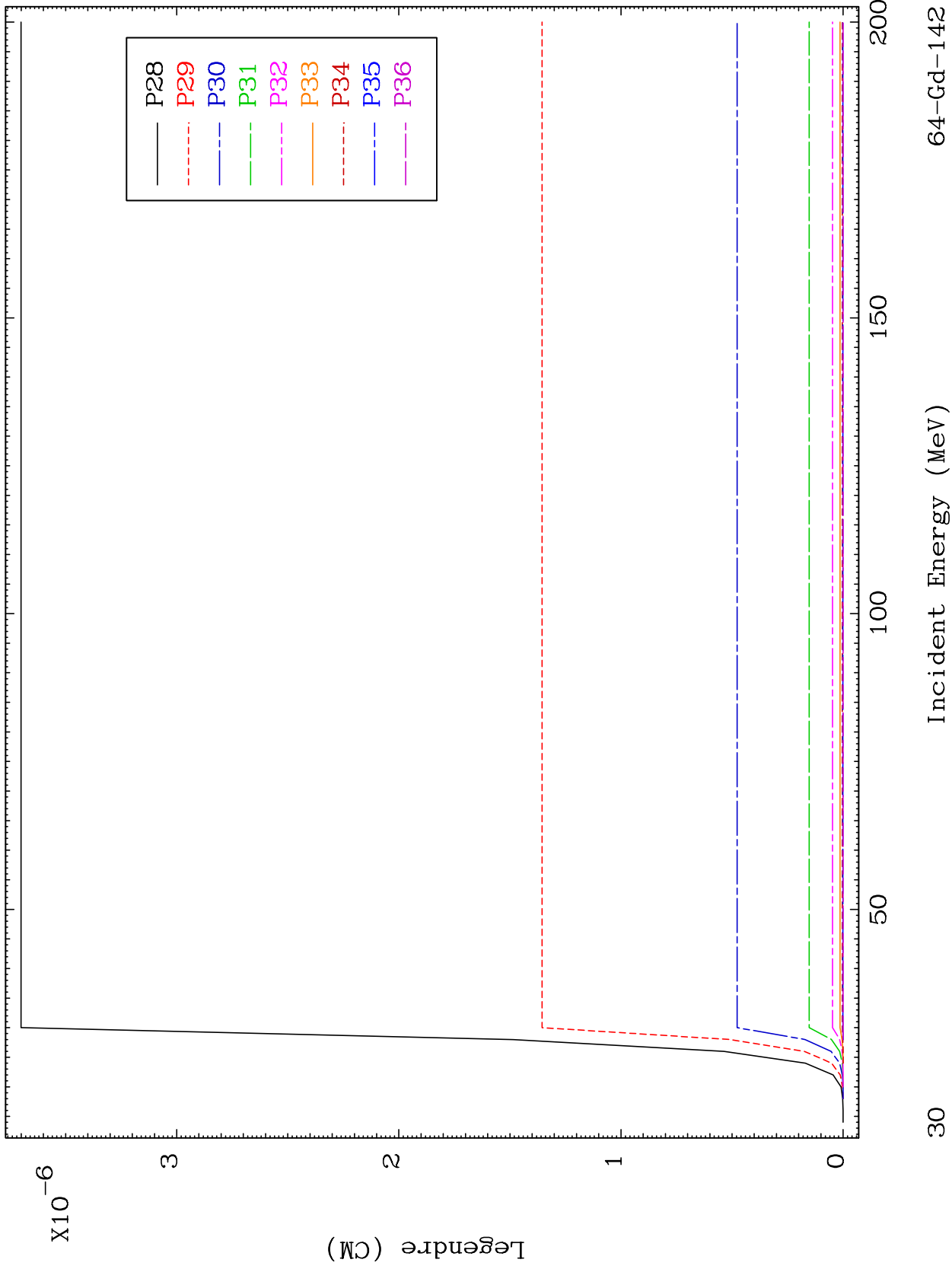
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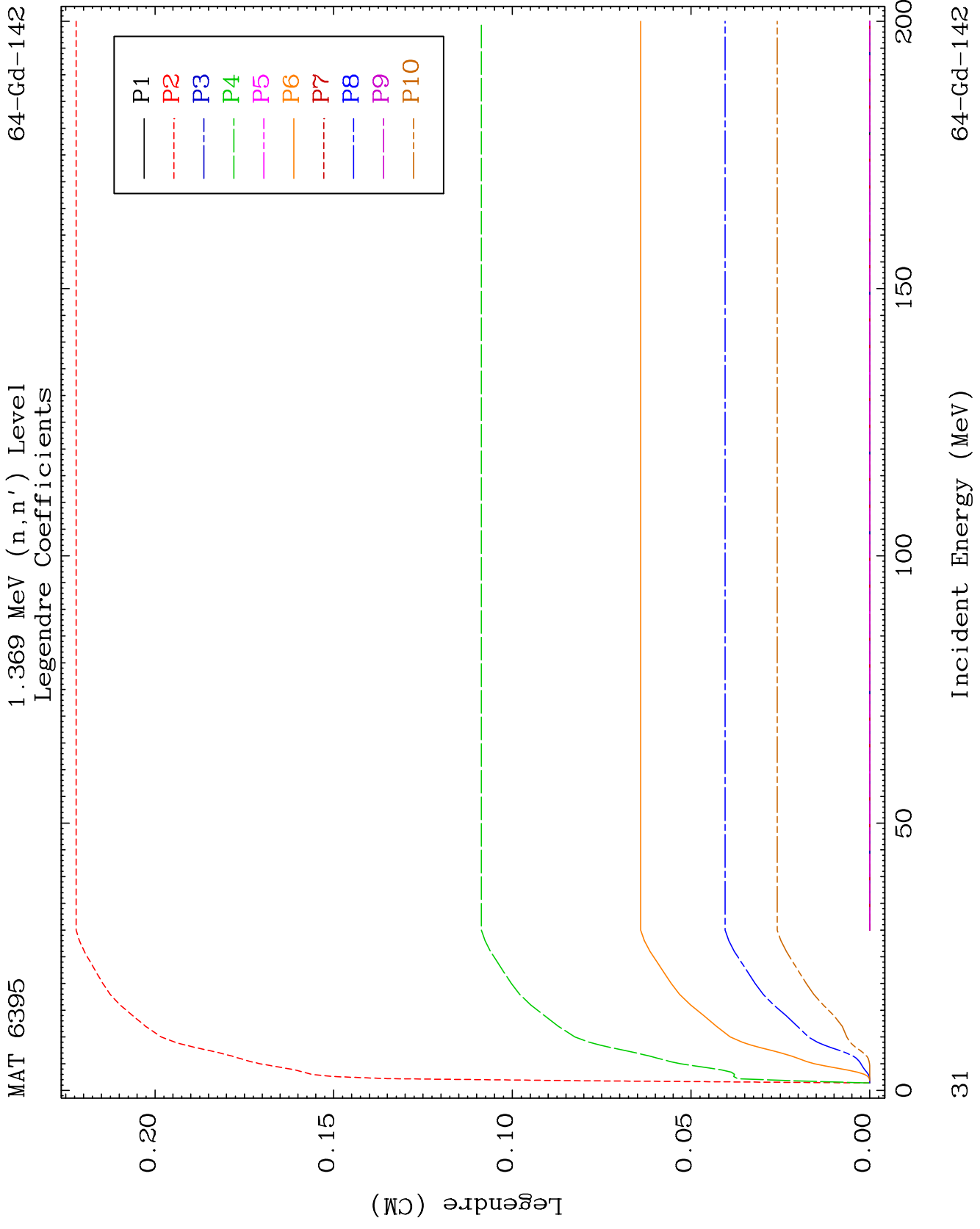


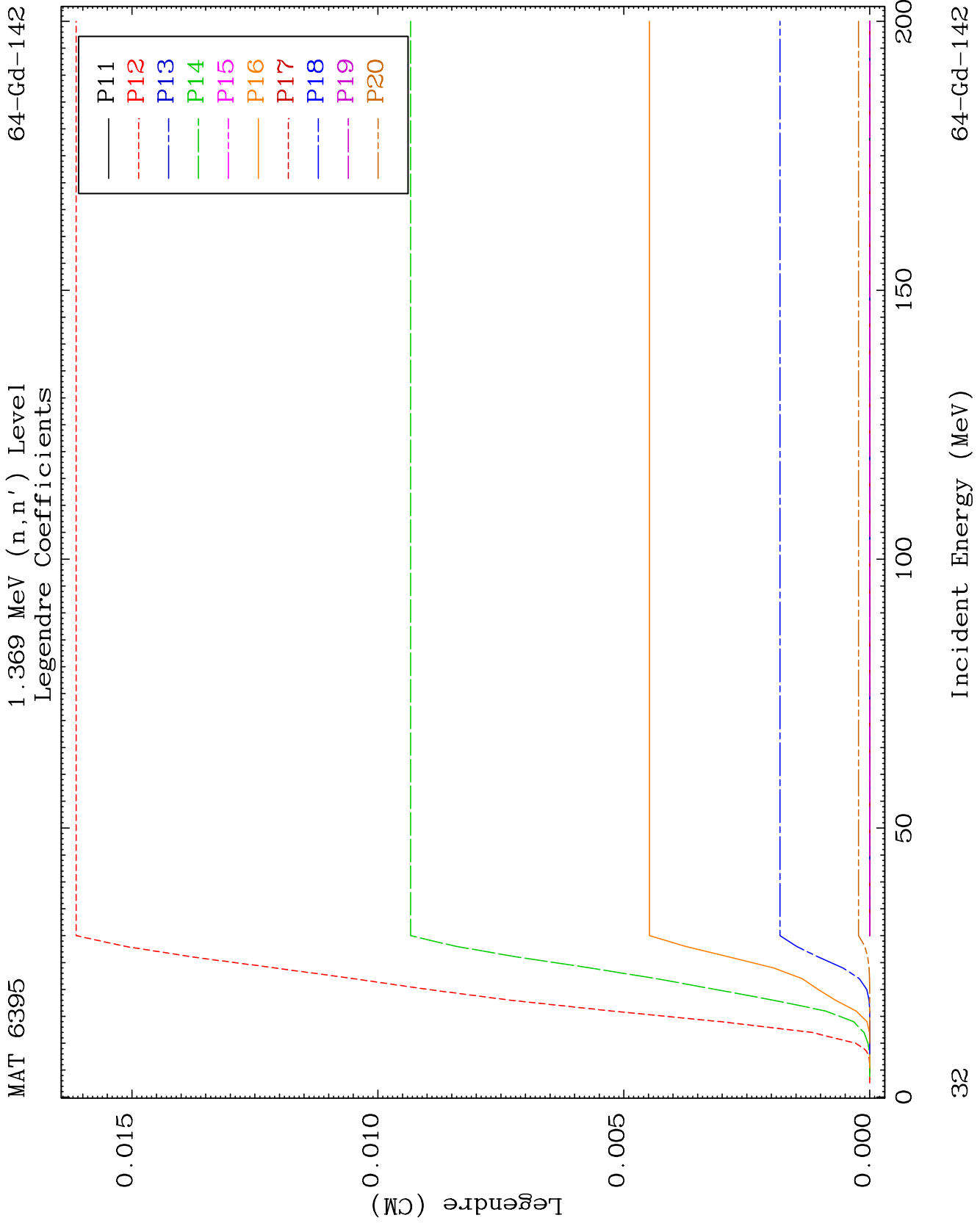
MAT 6395

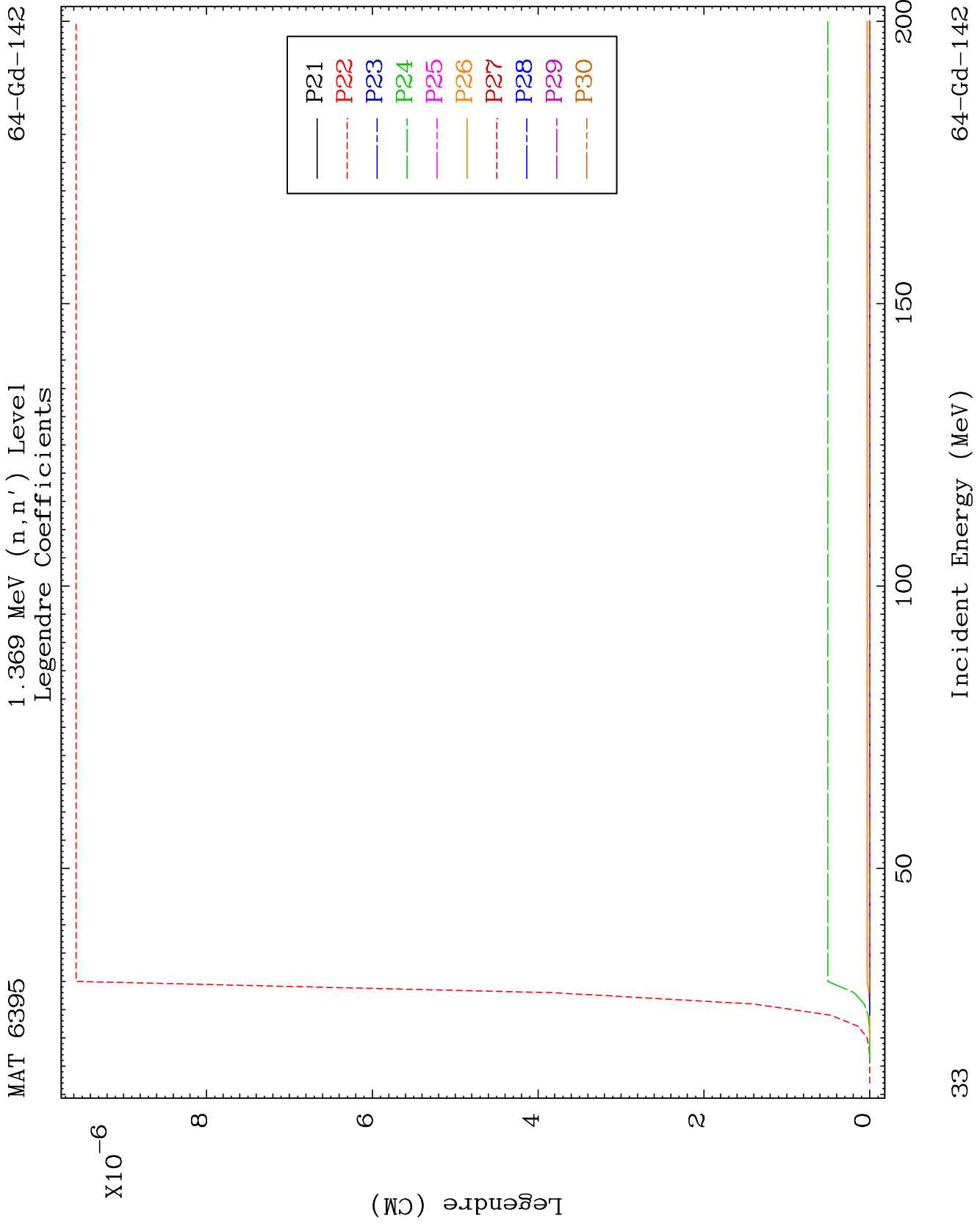
1.209 MeV (n,n') Level
Legendre Coefficients

64-Gd-142





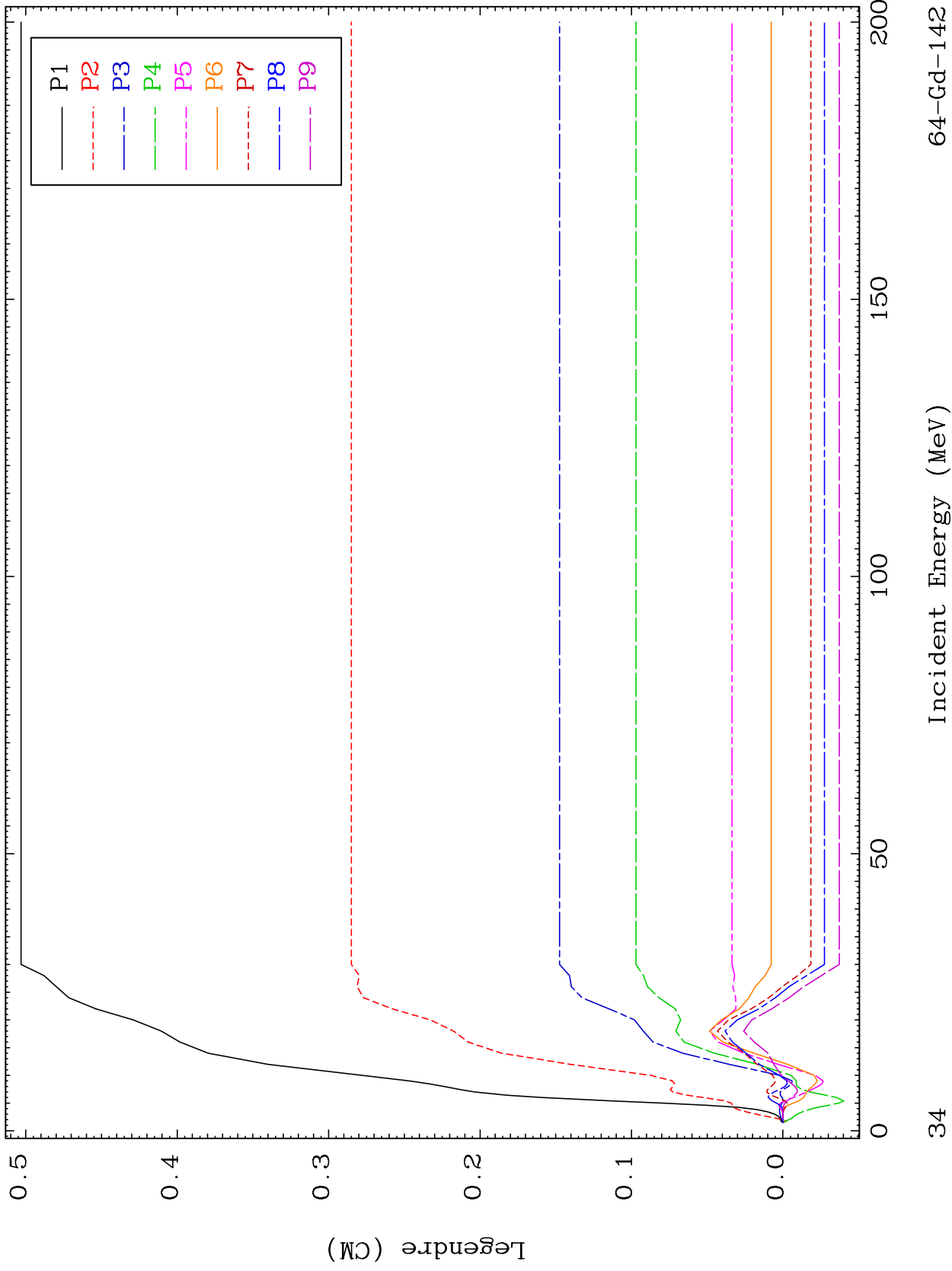




MAT 6395

1.445 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



34

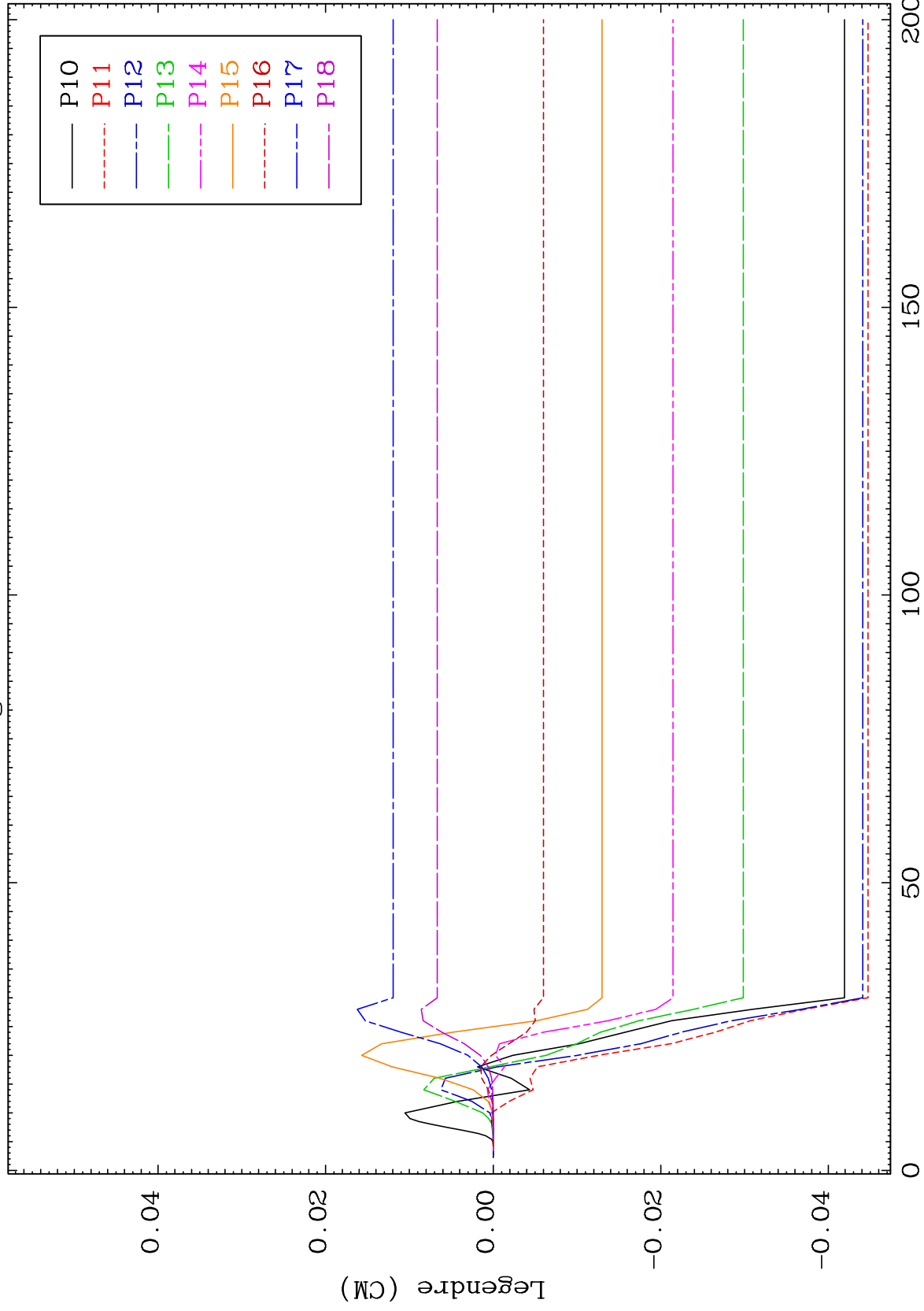
Incident Energy (MeV)

64-Gd-142

MAT 6395

1.445 MeV (n,n') Level
Legendre Coefficients

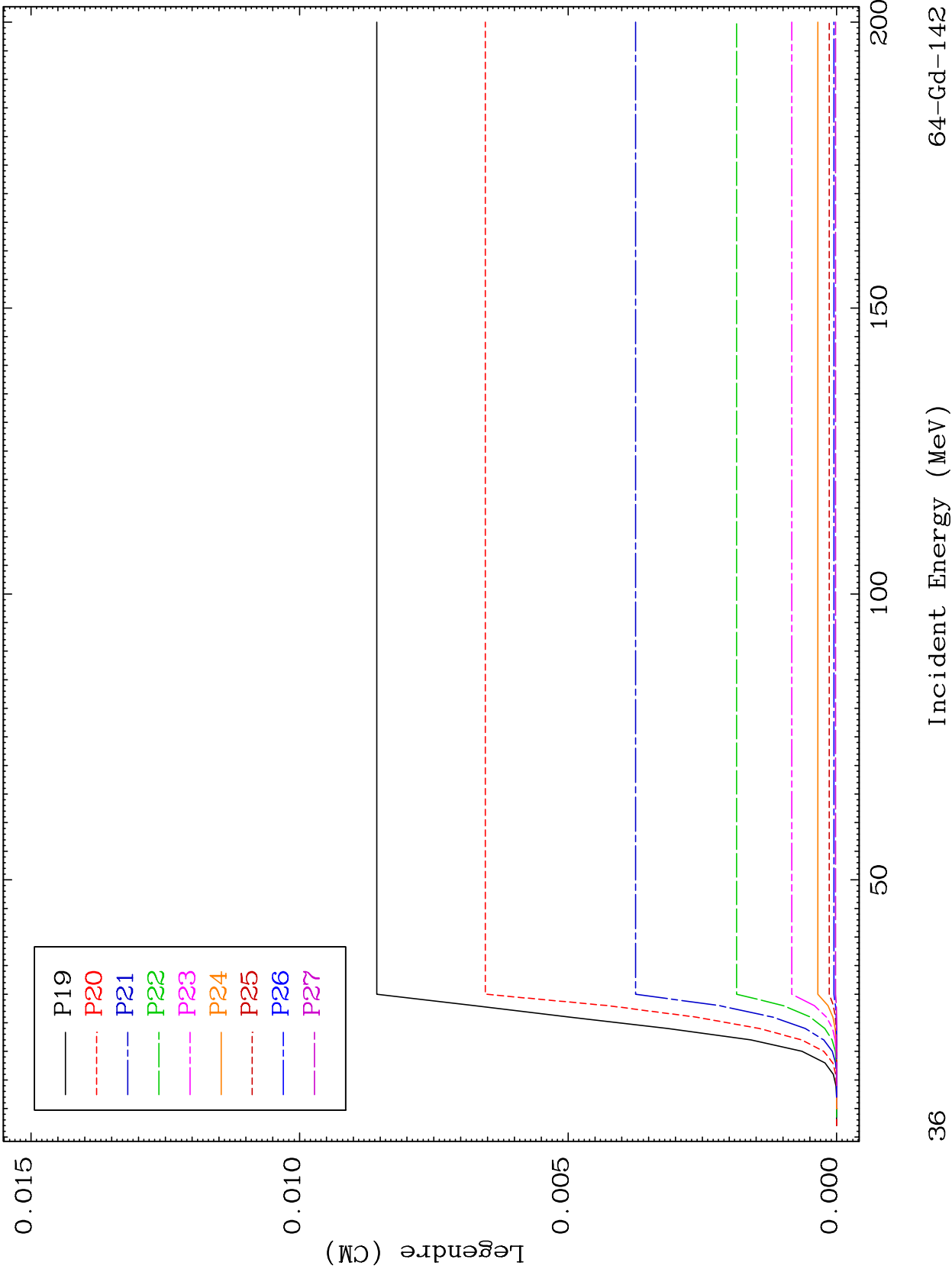
64-Gd-142



35

Incident Energy (MeV)

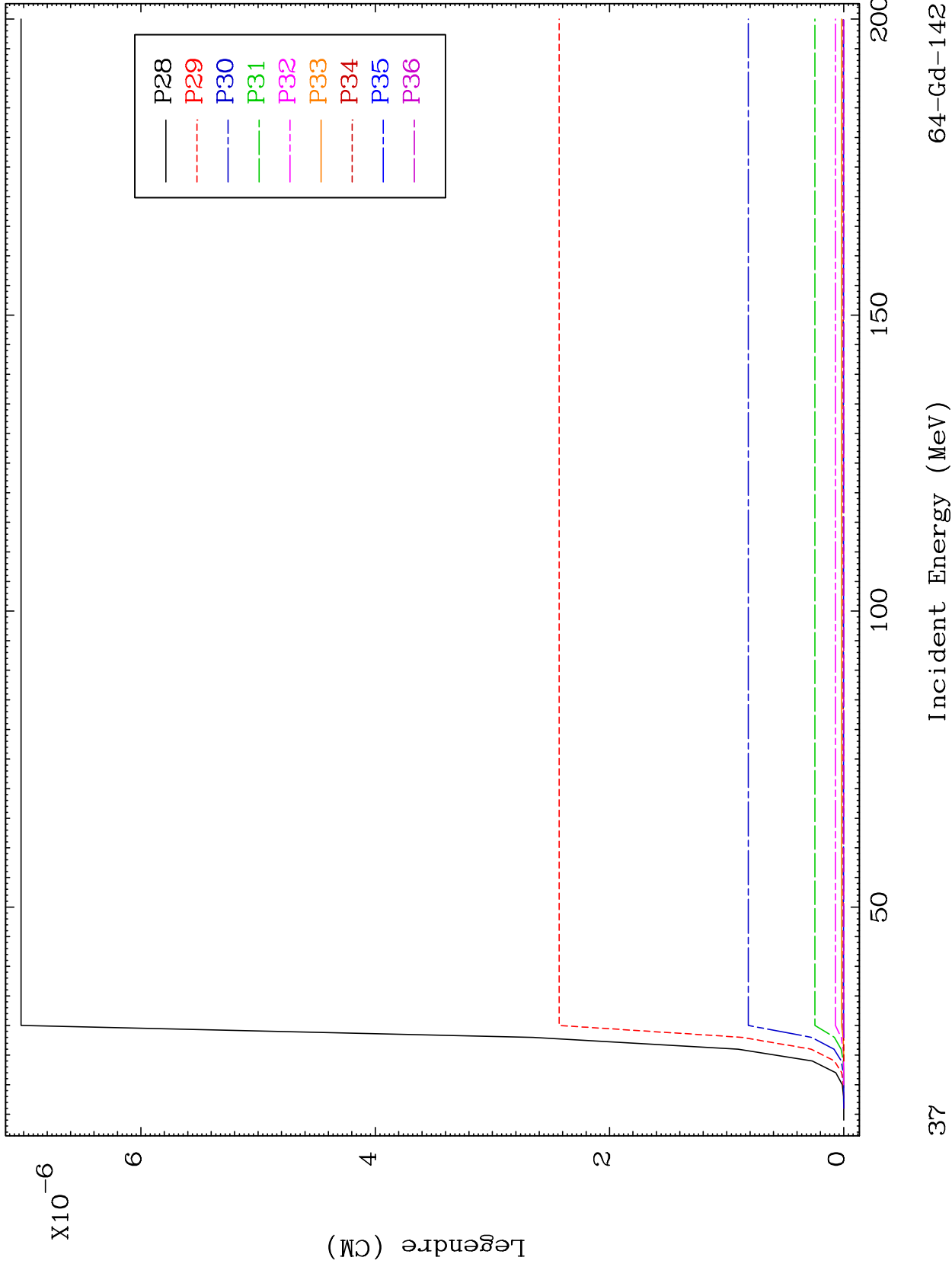
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MAT 6395

1.445 MeV (n,n') Level
Legendre Coefficients

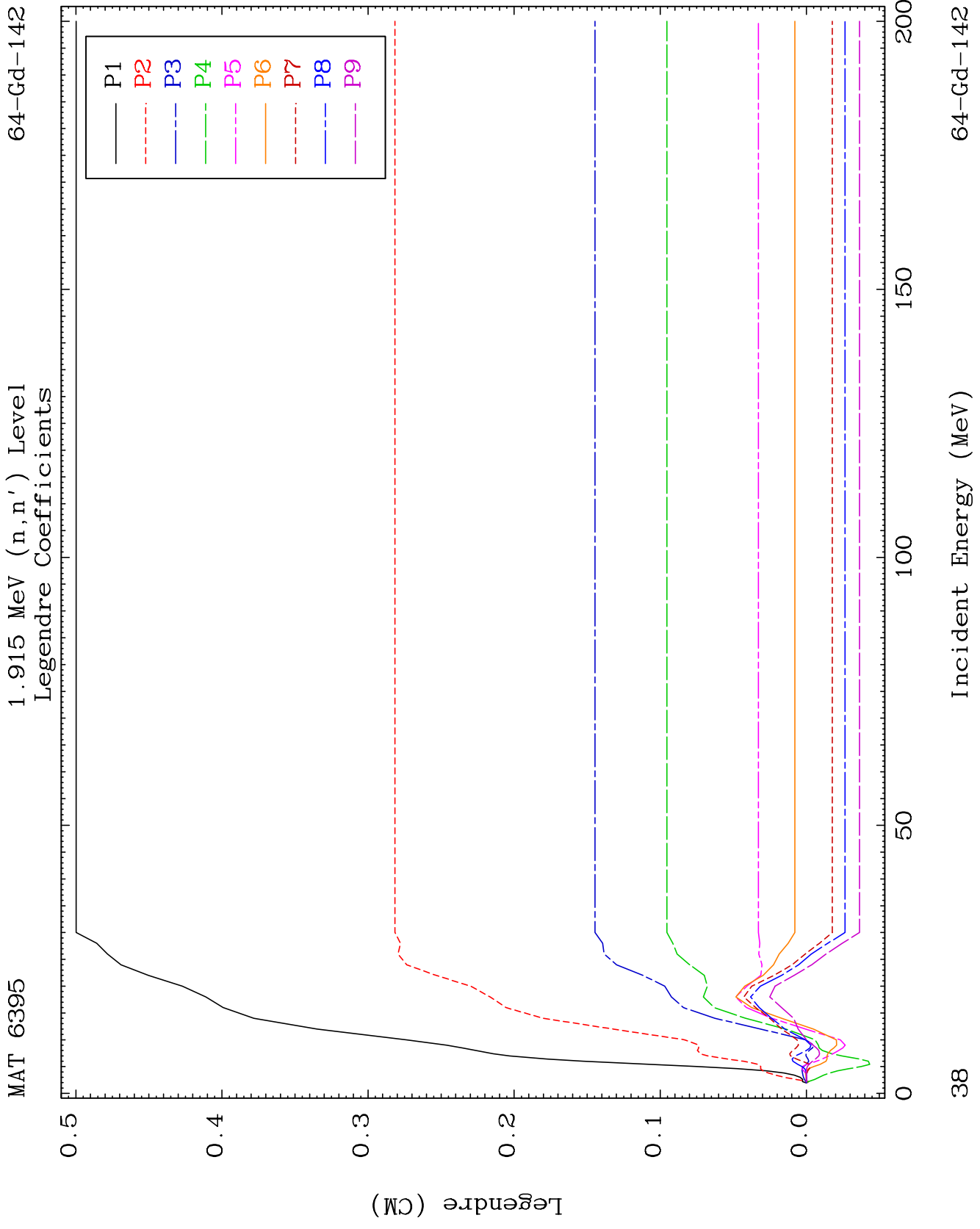
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37

Incident Energy (MeV)

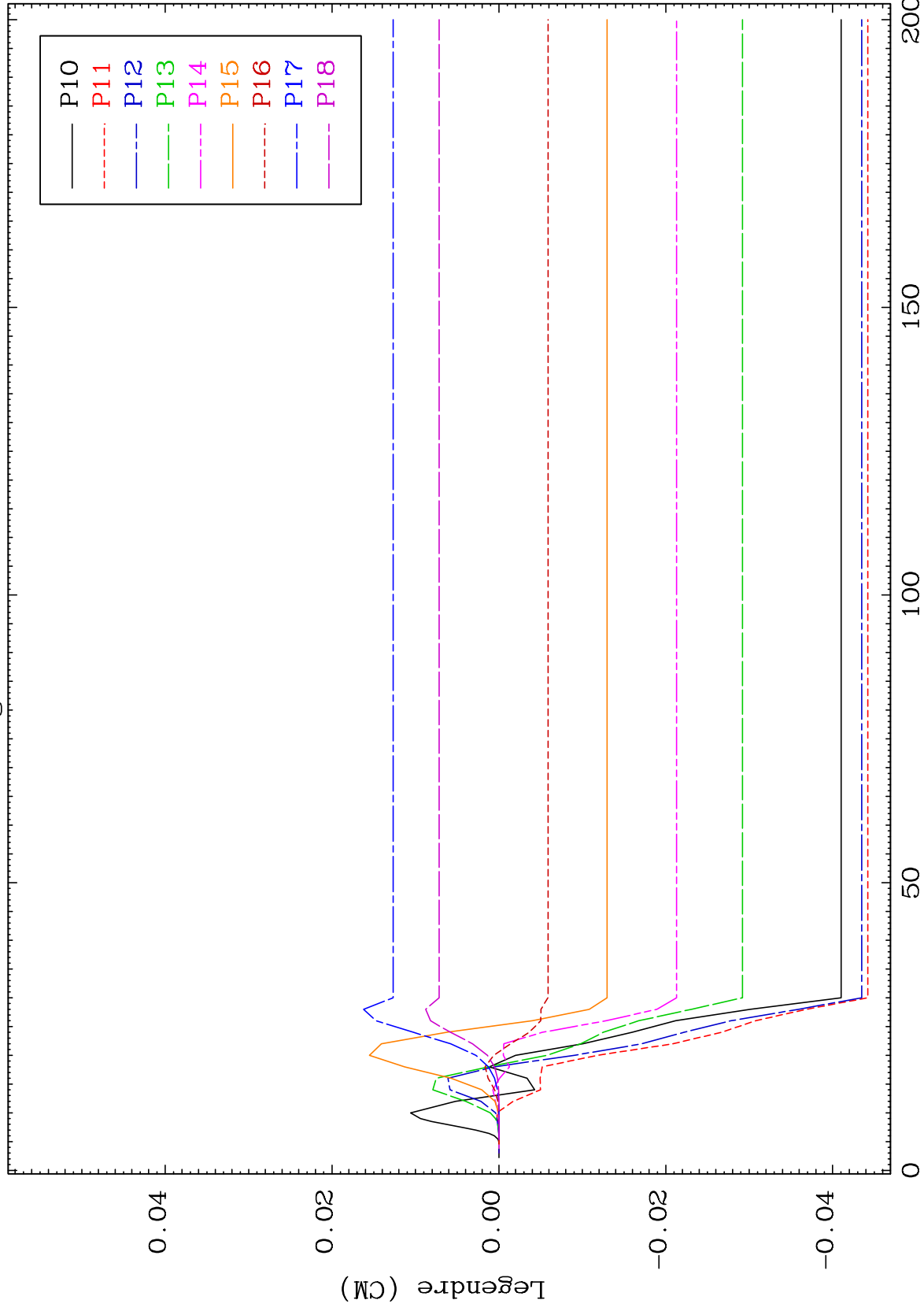
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MAT 6395

1.915 MeV (n,n') Level
Legendre Coefficients

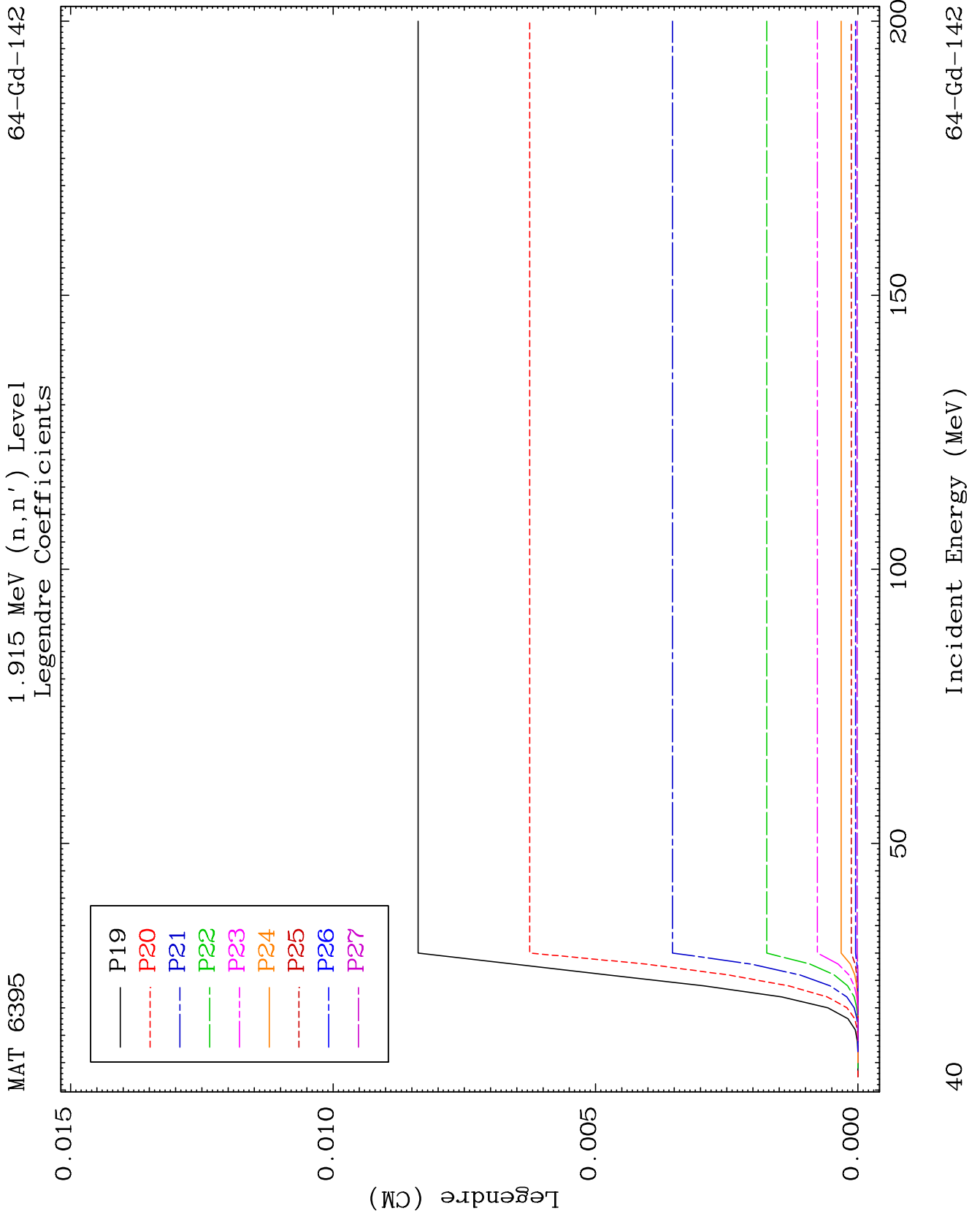
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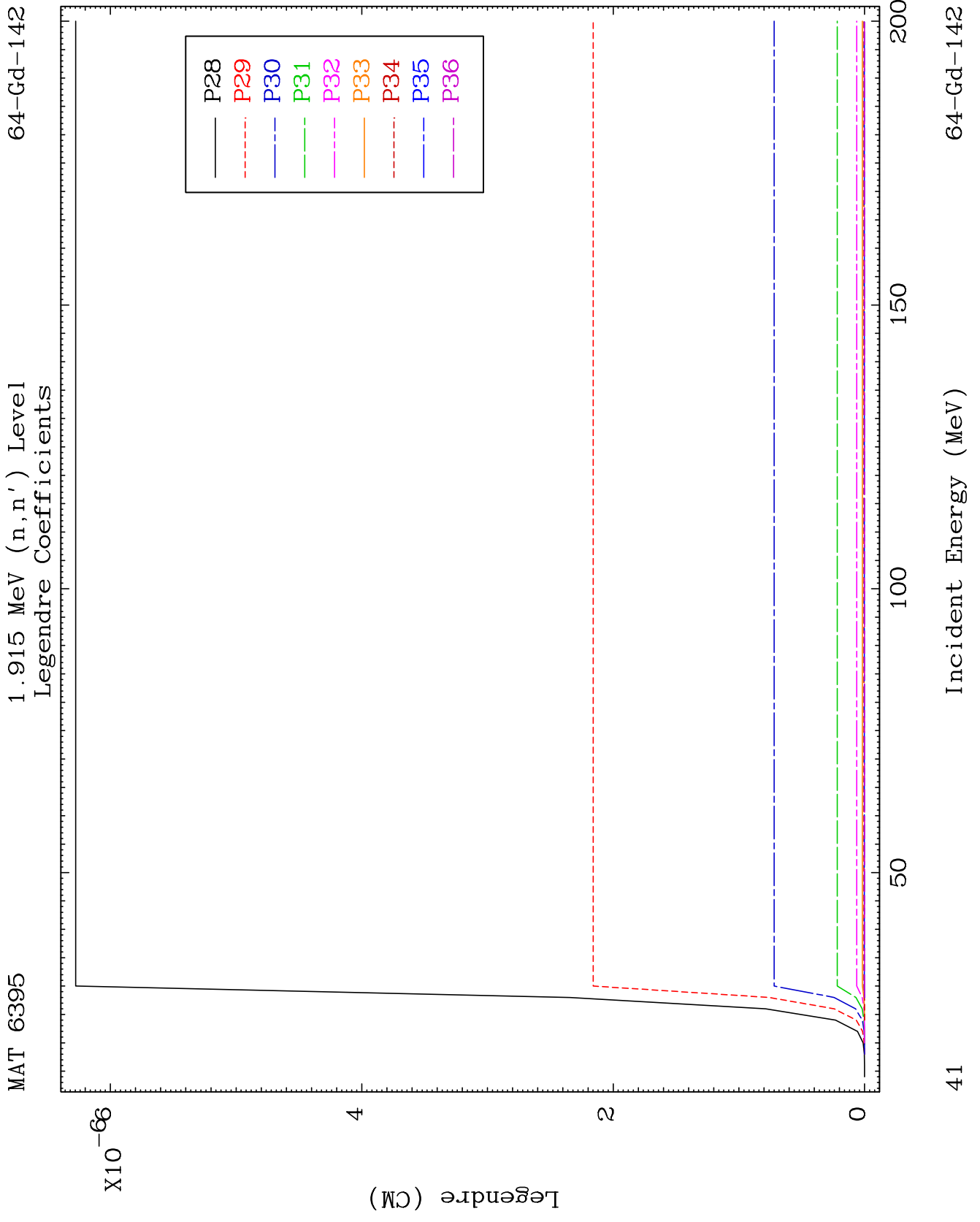


39

Incident Energy (MeV)

64-Gd-142

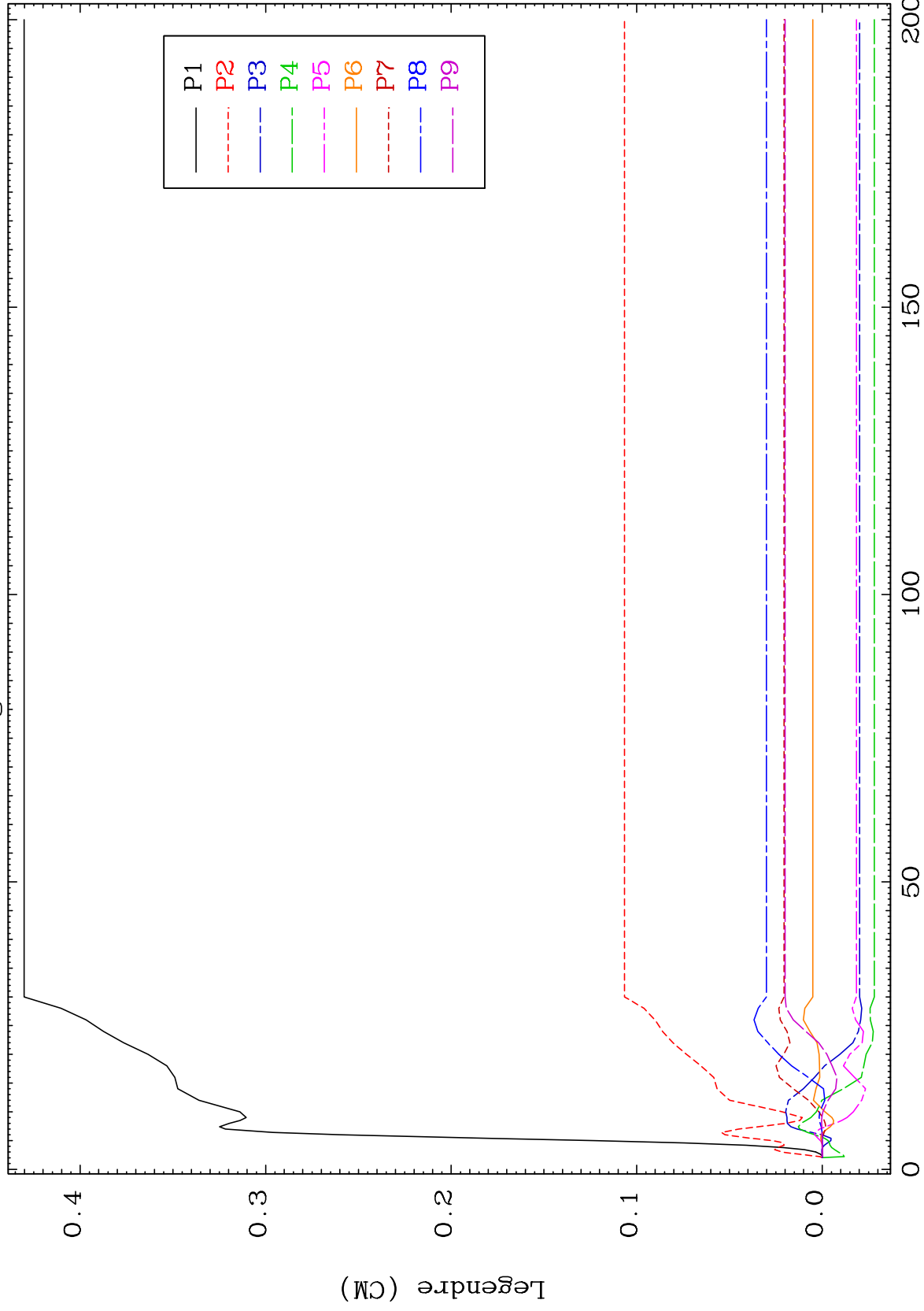




MAT 6395

2.002 MeV (n, n') Level
Legendre Coefficients

64-Gd-142



64-Gd-142

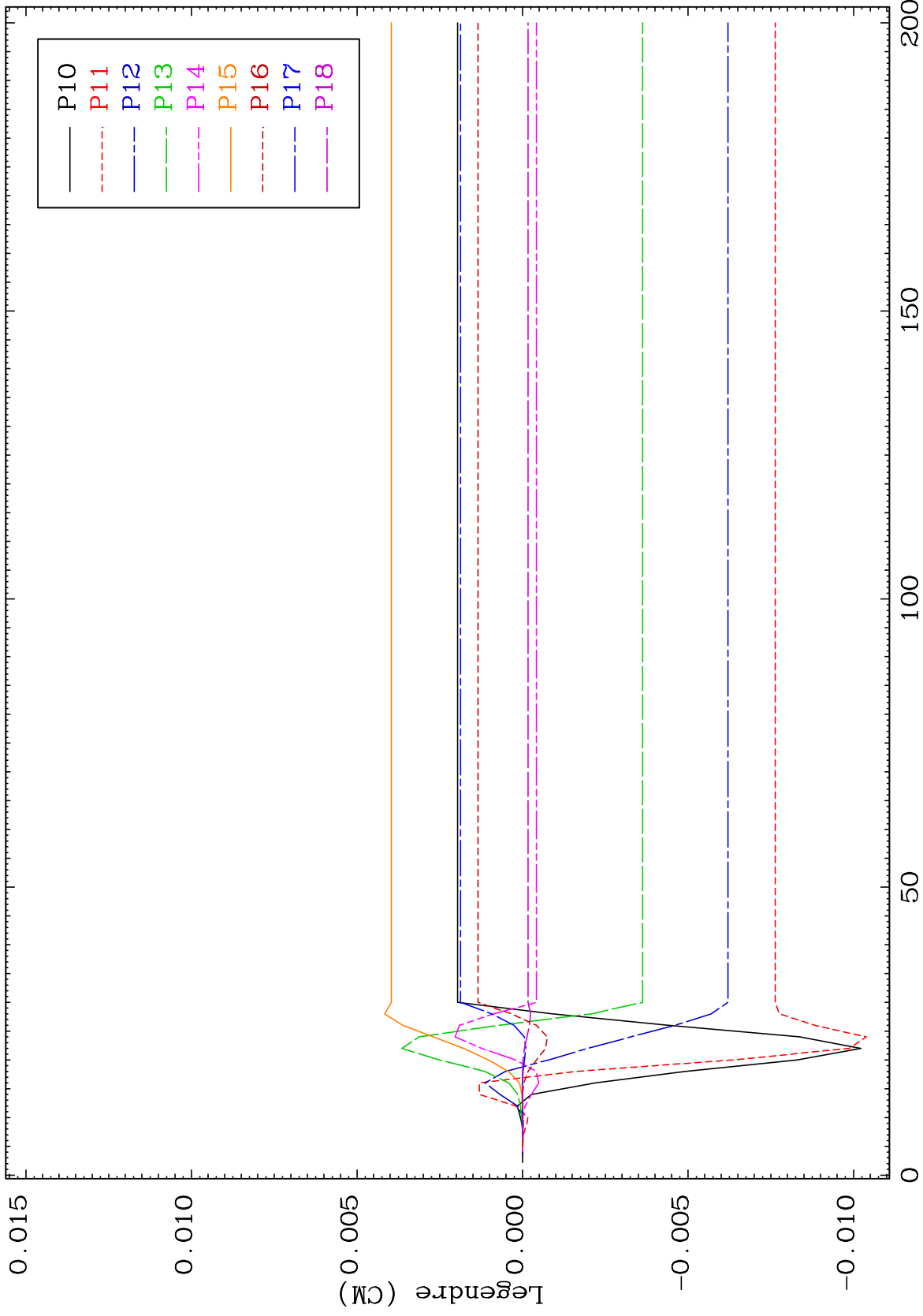
Incident Energy (MeV)

42

MAT 6395

2.002 MeV (n,n') Level
Legendre Coefficients

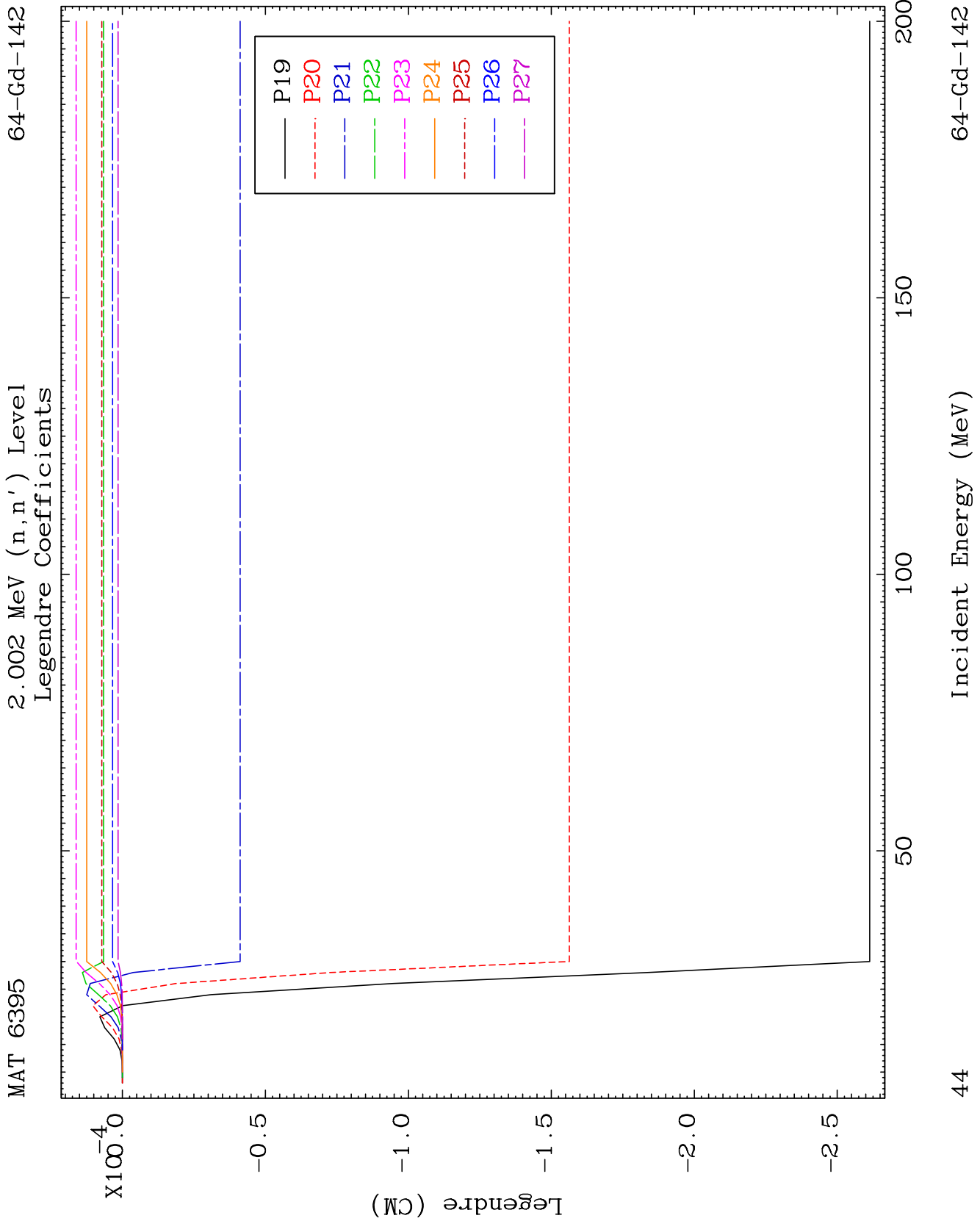
64-Gd-142



43

Incident Energy (MeV)

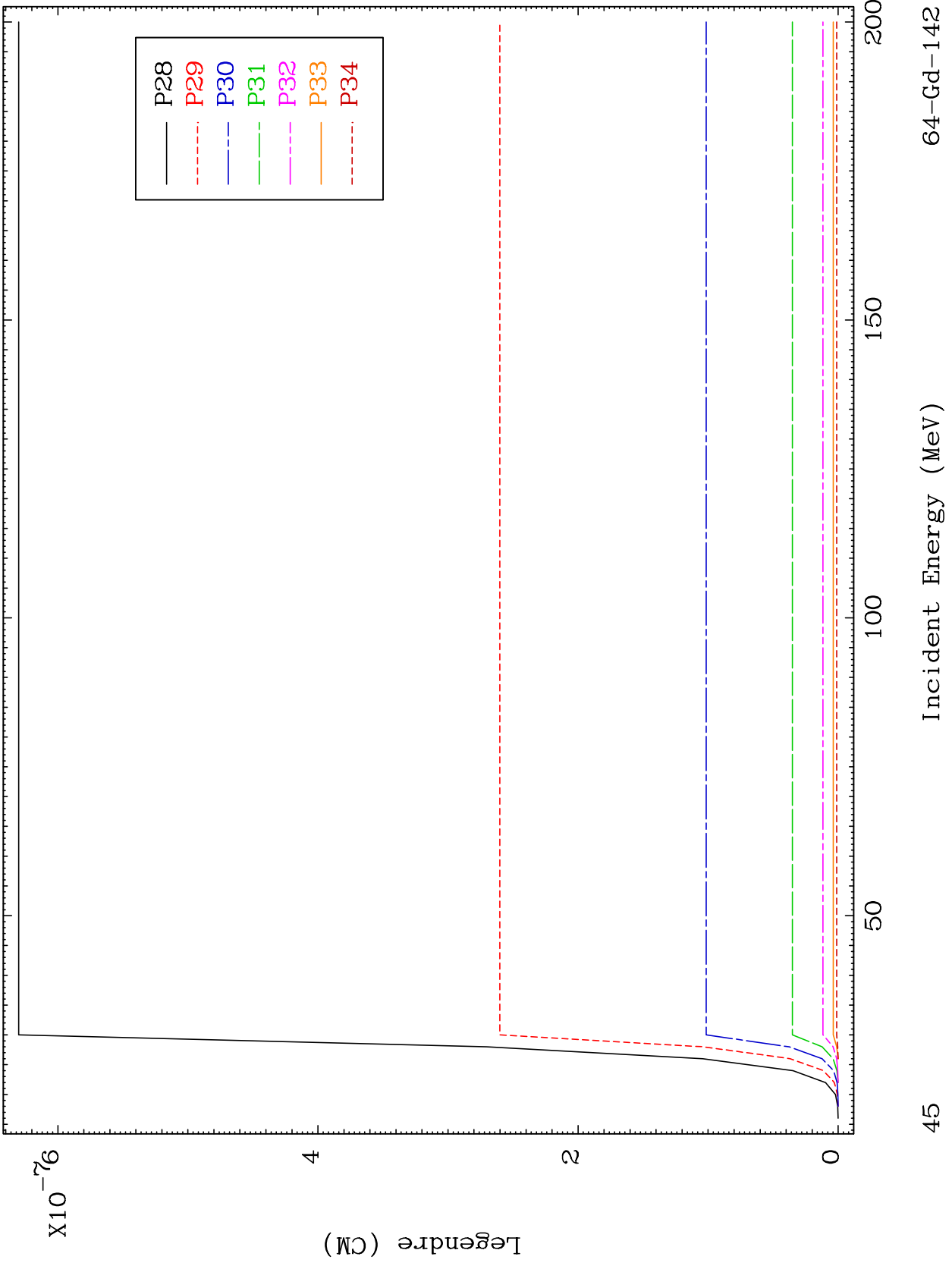
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MAT 6395

2.002 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



45

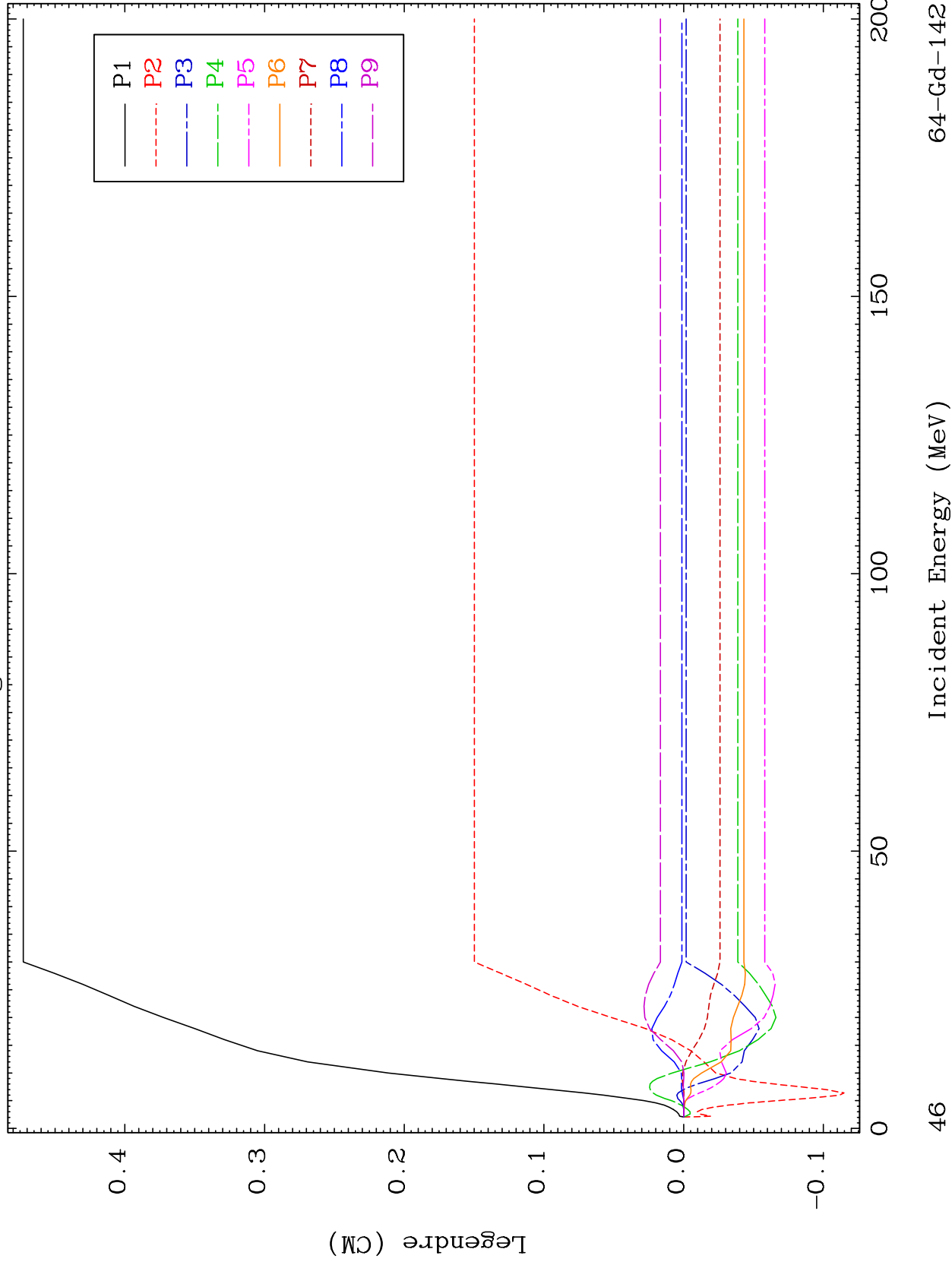
Incident Energy (MeV)

64-Gd-142

MAT 6395

2.032 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



64-Gd-142

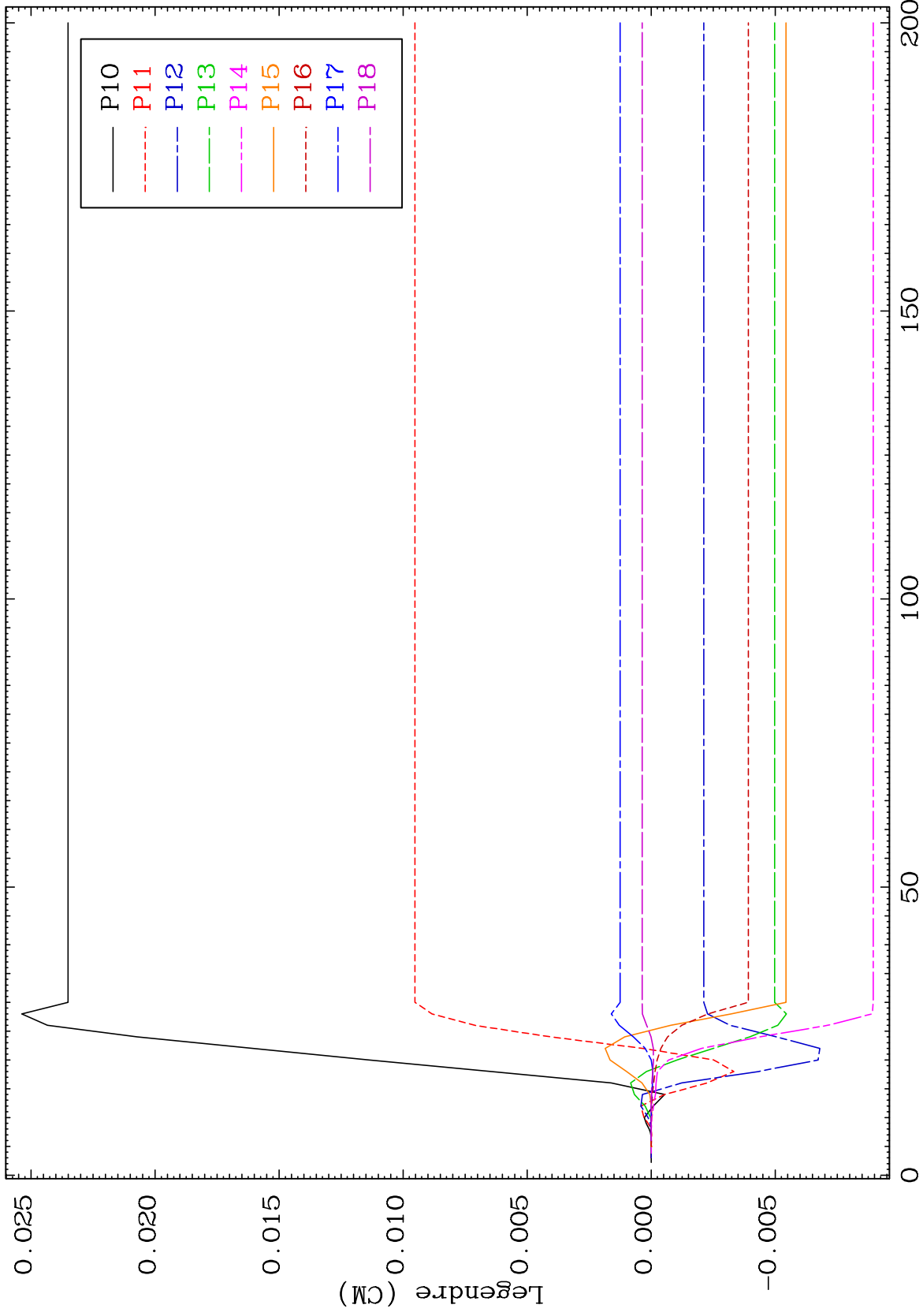
Incident Energy (MeV)

46

MAT 6395

2.032 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



47

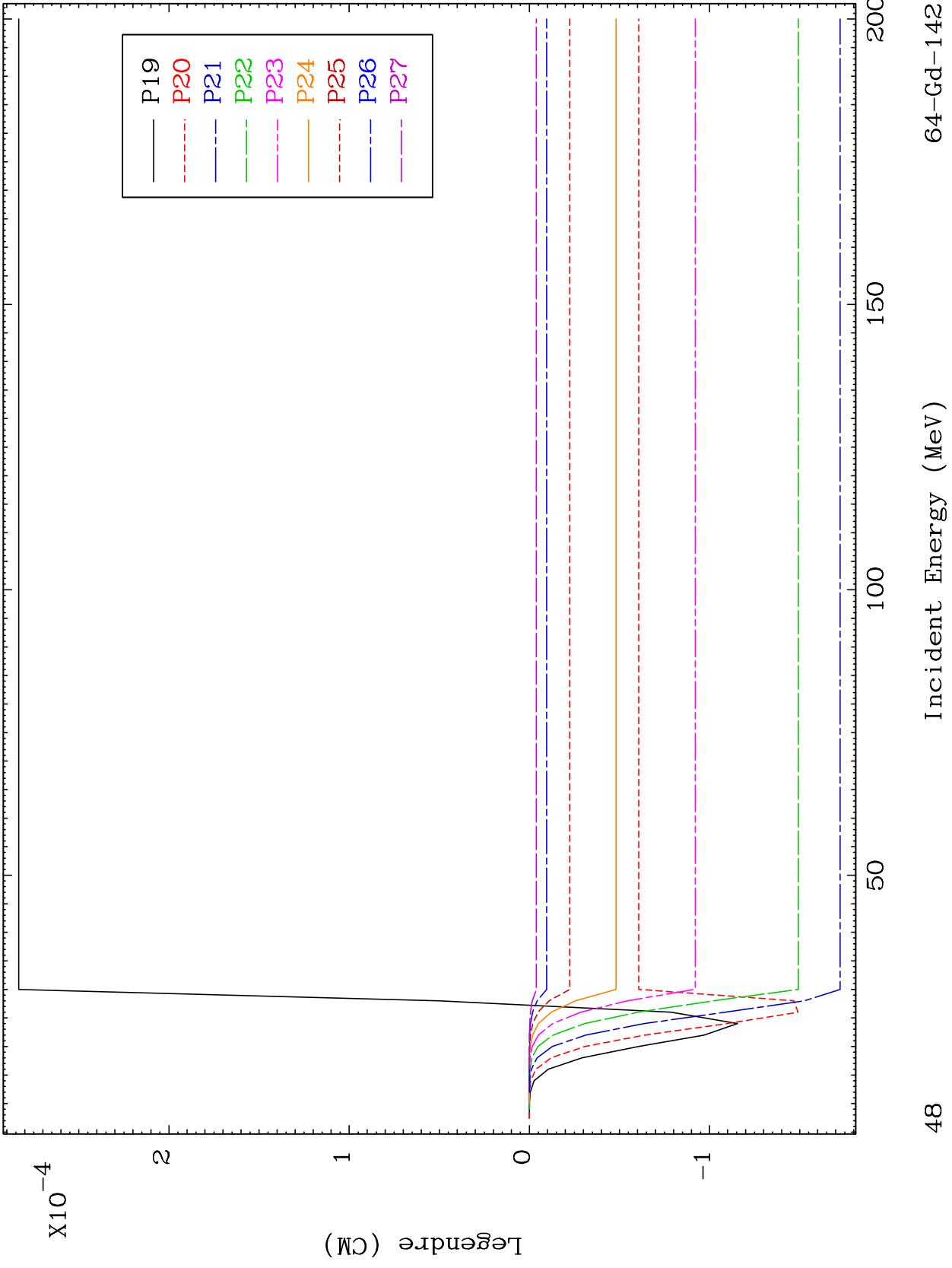
Incident Energy (MeV)

64-Gd-142

MAT 6395

2.032 MeV (n,n') Level
Legendre Coefficients

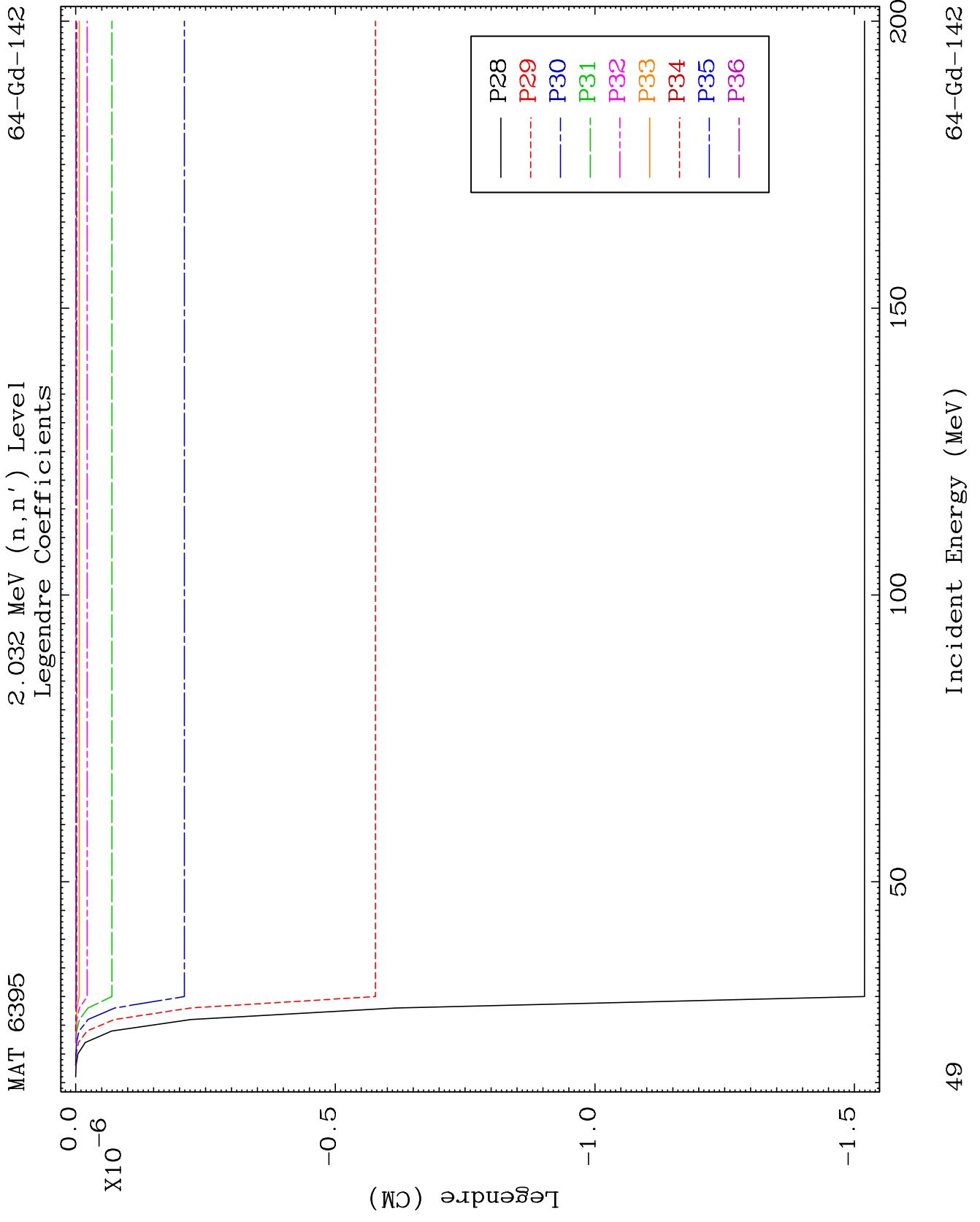
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Incident Energy (MeV)

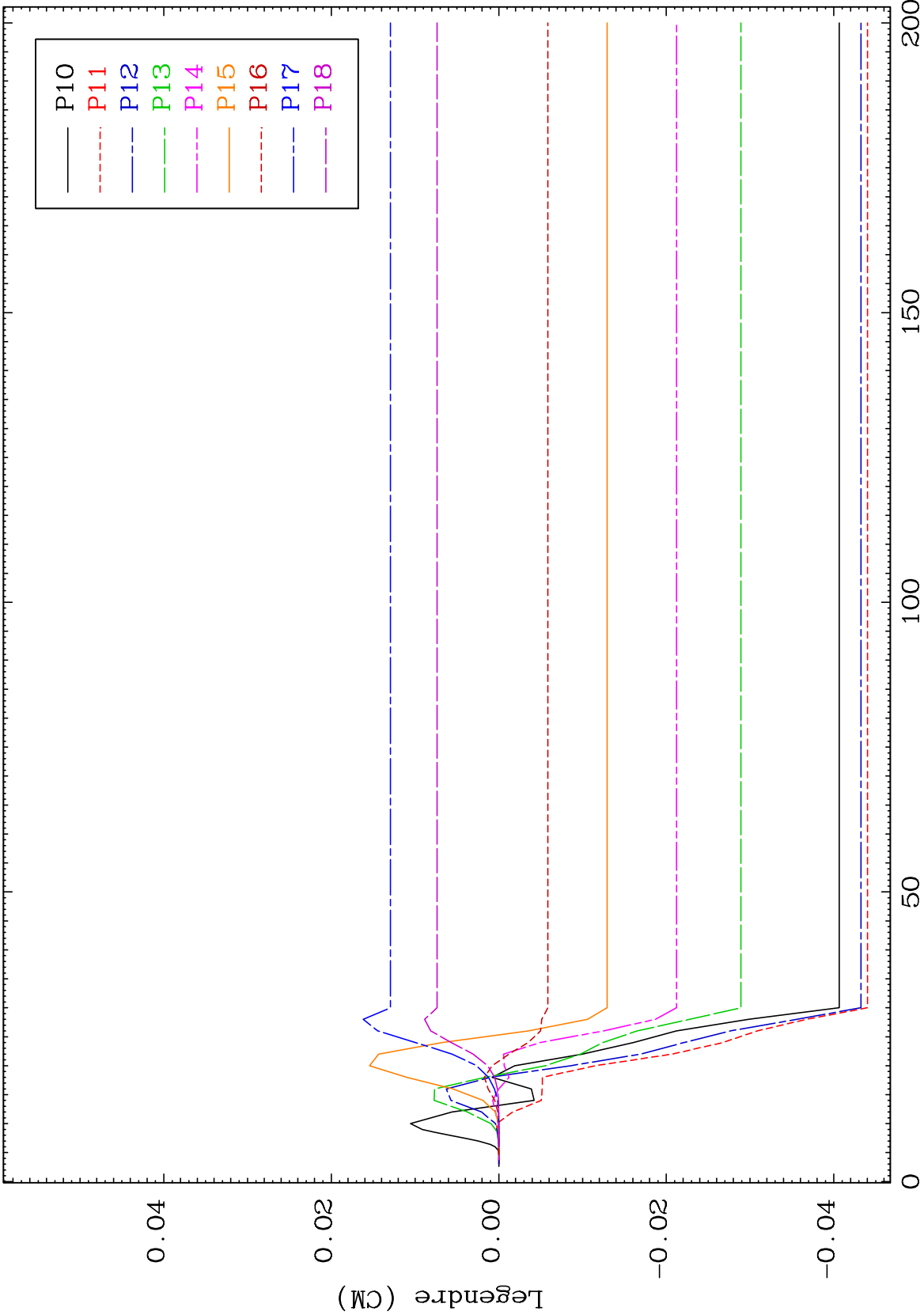
64-Gd-142



MAT 6395

2.103 MeV (n, n') Level
Legendre Coefficients

64-Gd-142



51

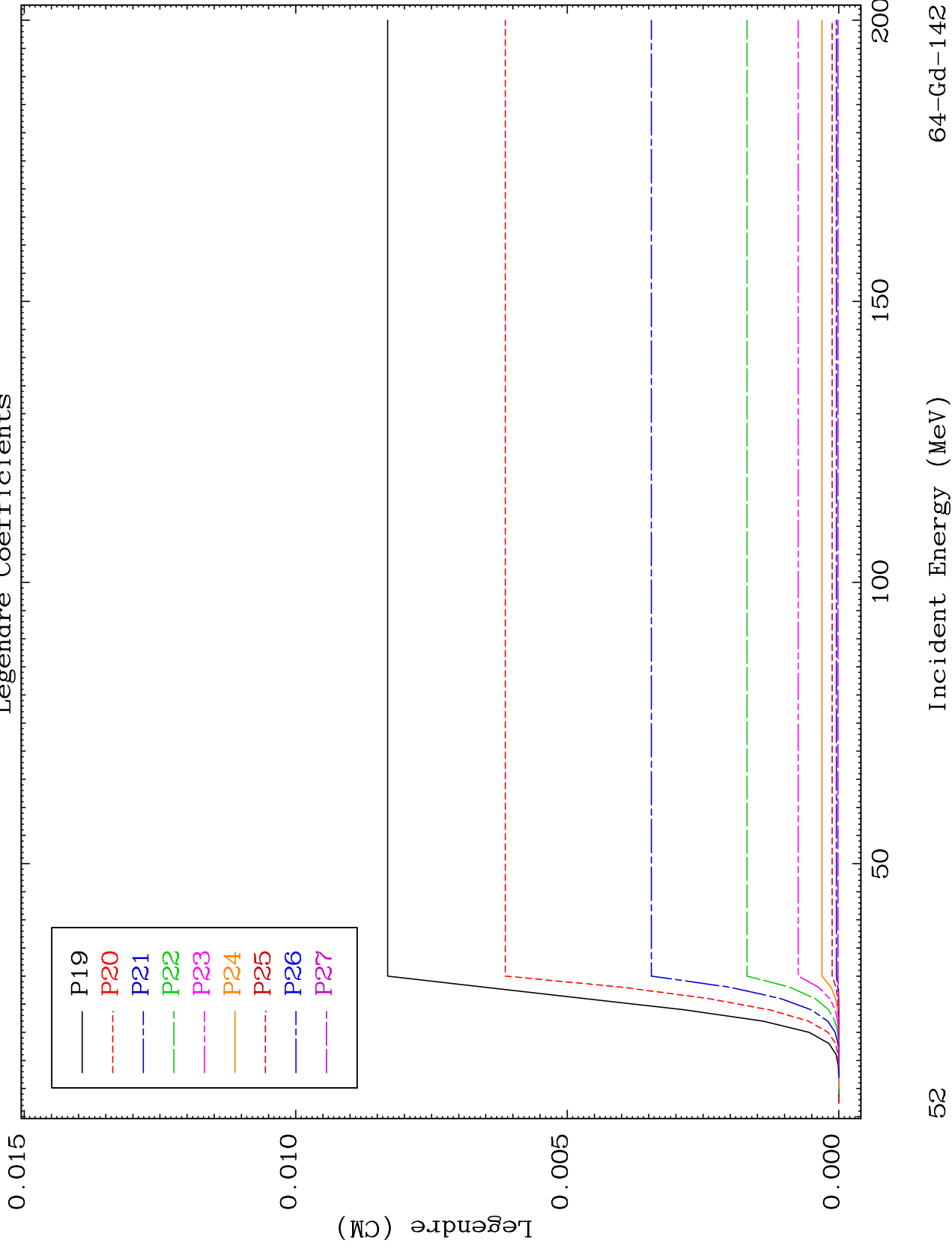
Incident Energy (MeV)

64-Gd-142

MAT 6395

2.103 MeV (n,n') Level
Legendre Coefficients

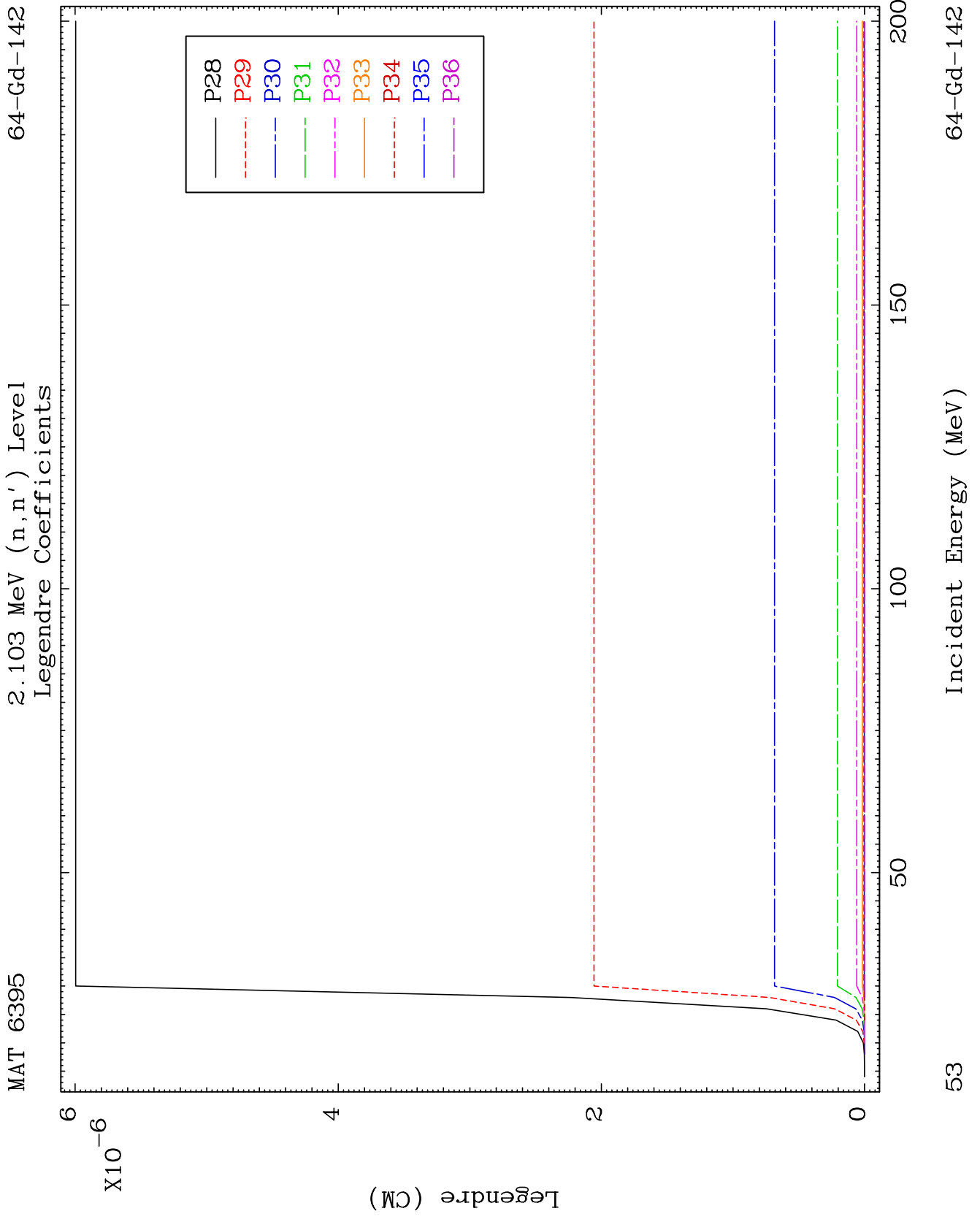
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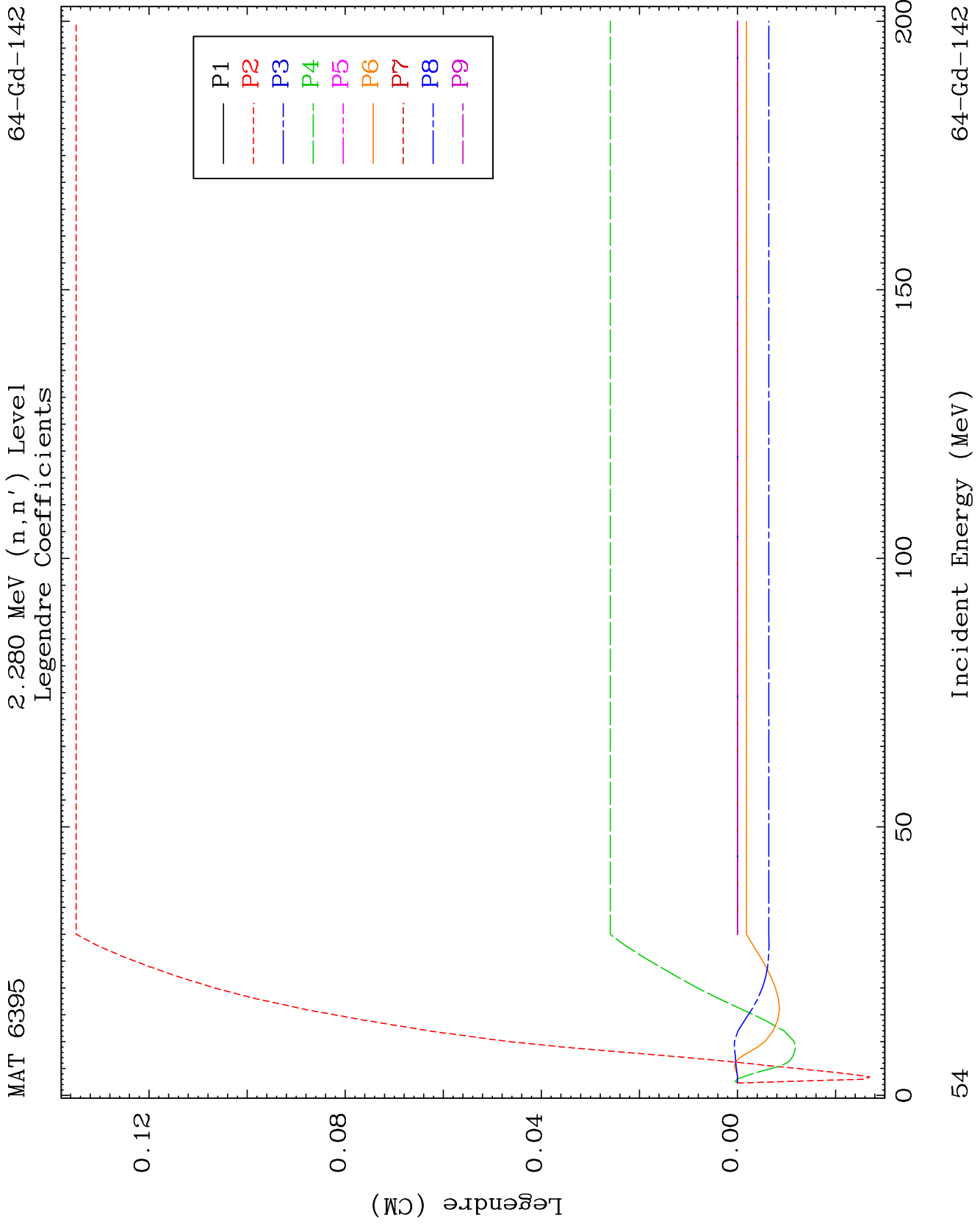


52

Incident Energy (MeV)

64-Gd-142

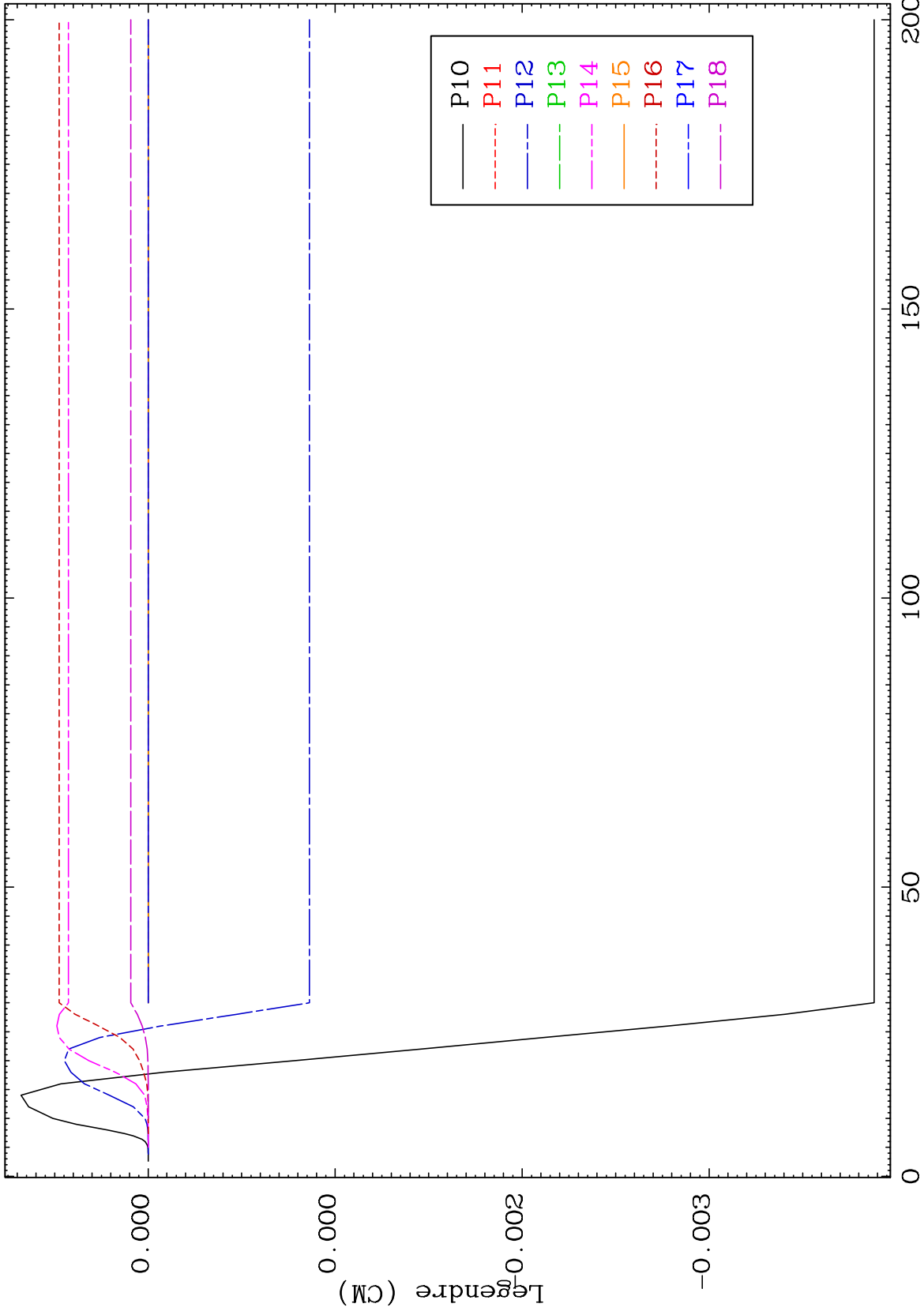




MAT 6395

2.280 MeV (n,n') Level
Legendre Coefficients

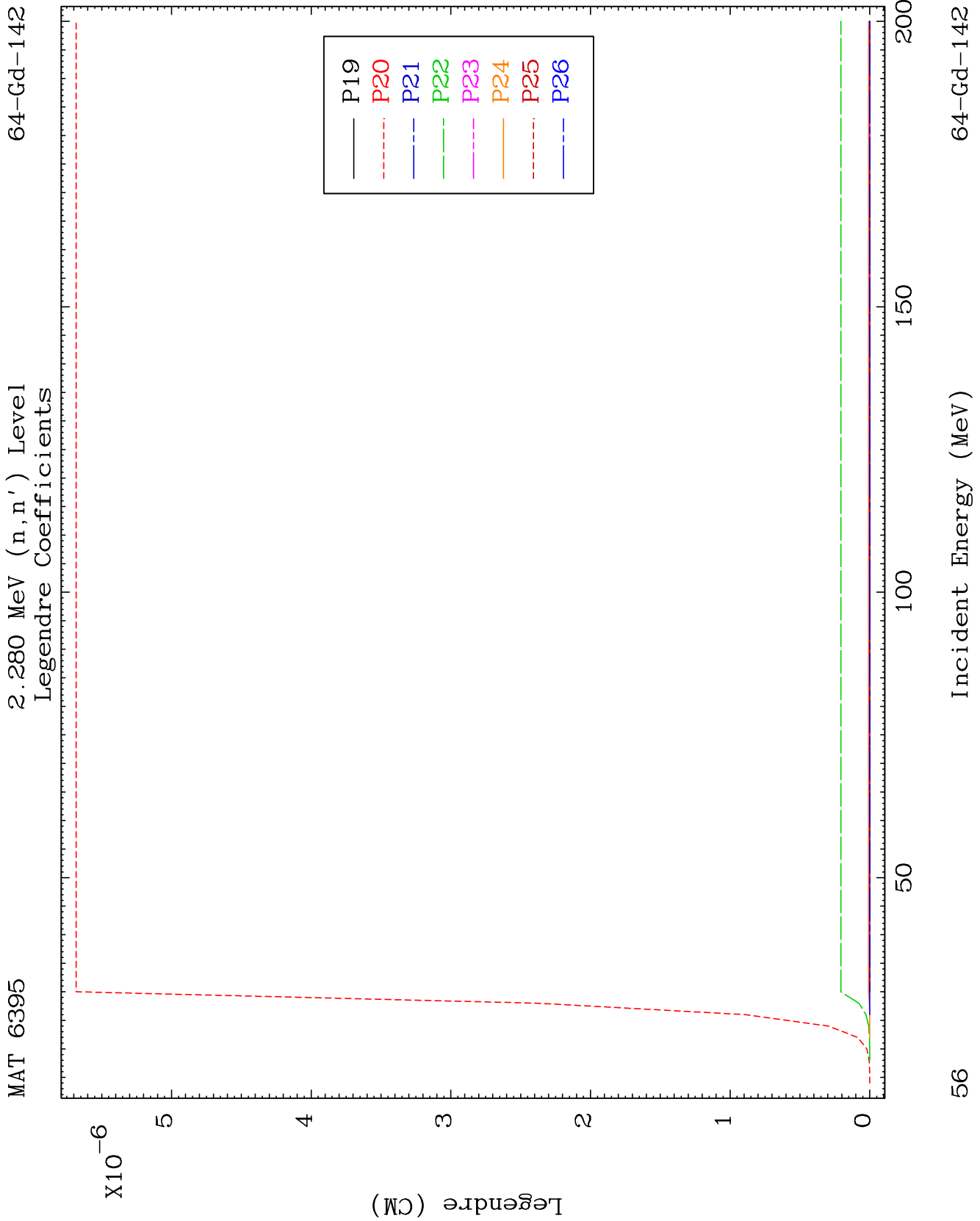
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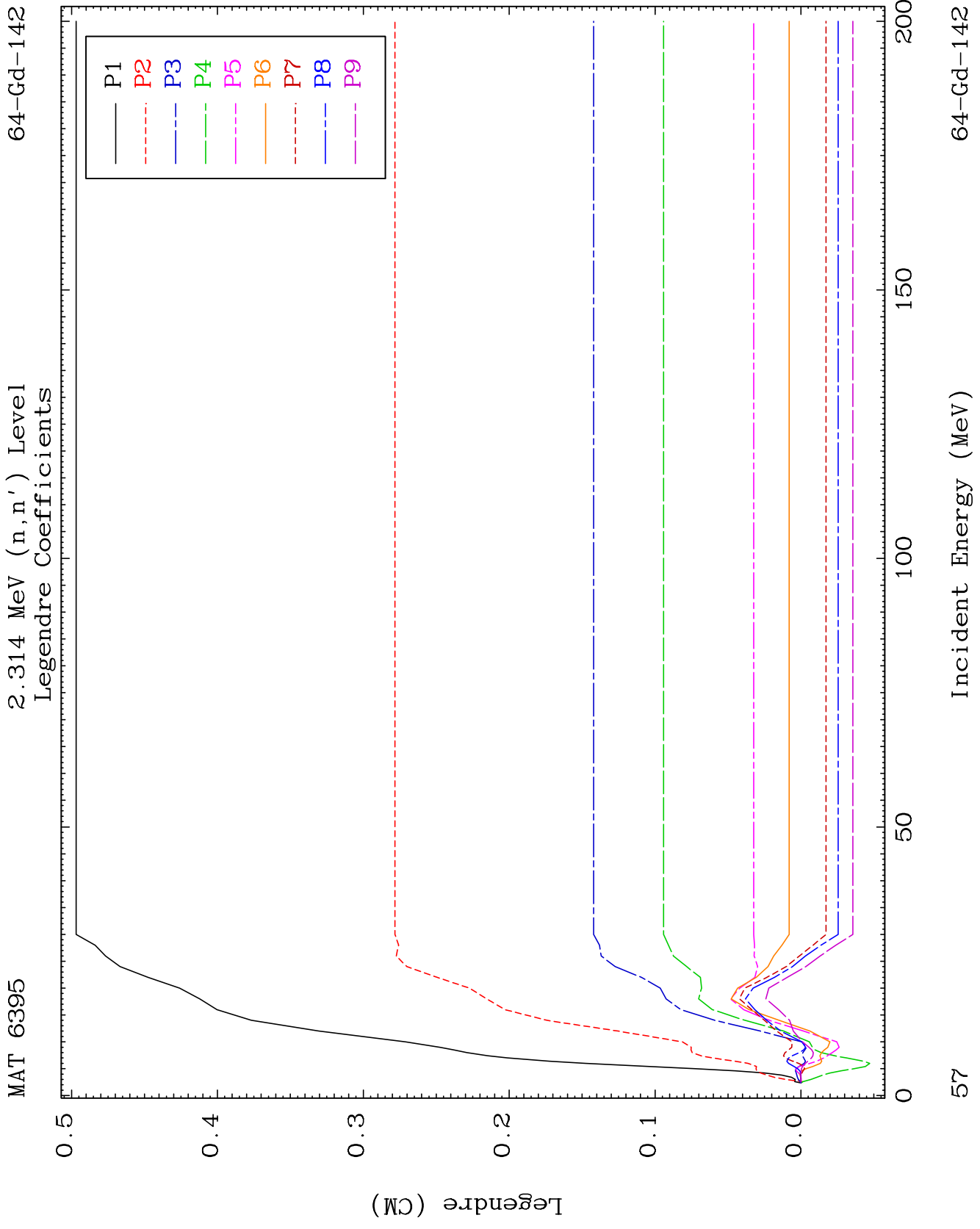


55

Incident Energy (MeV)

64-Gd-142

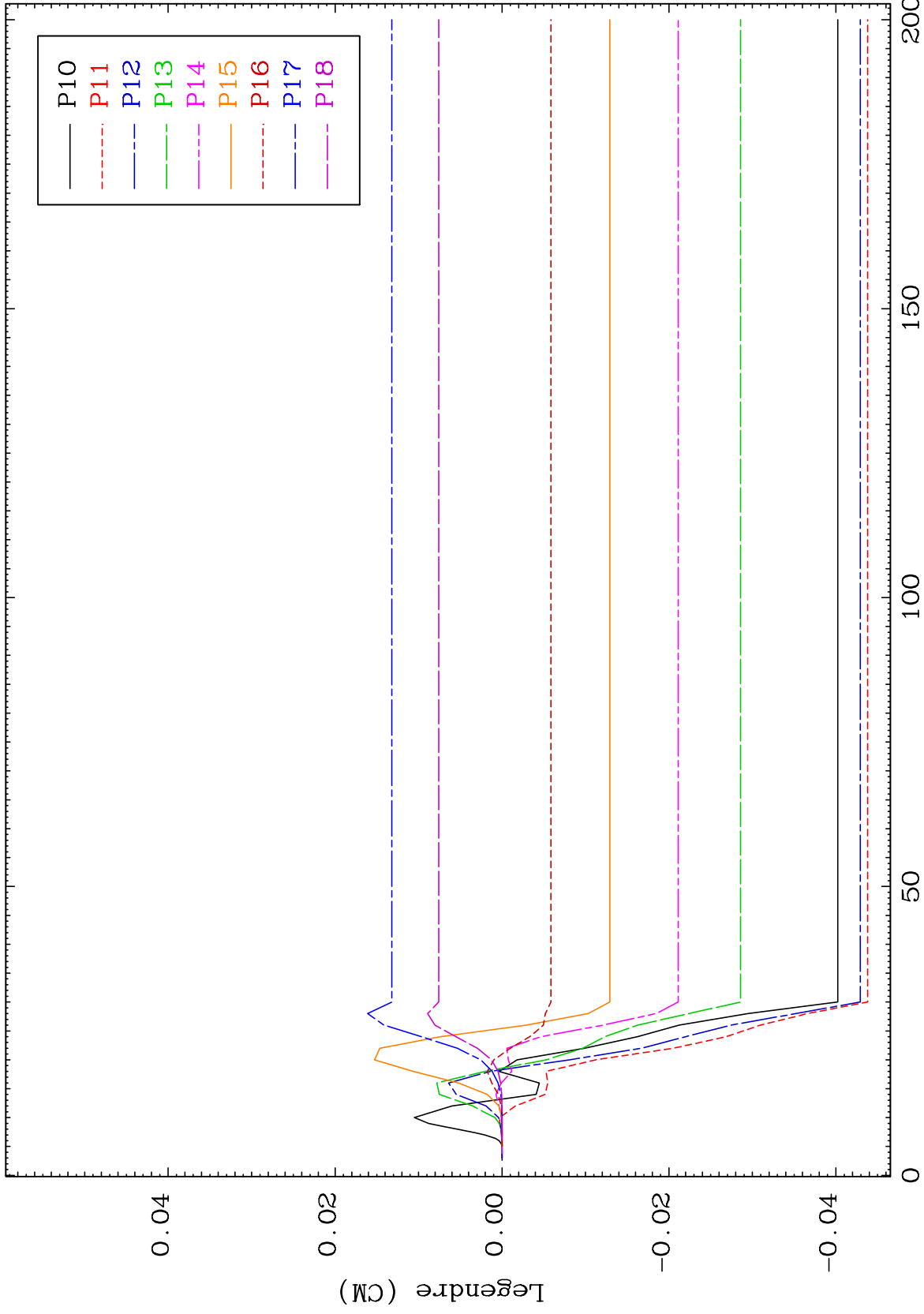




MAT 6395

2.314 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



58

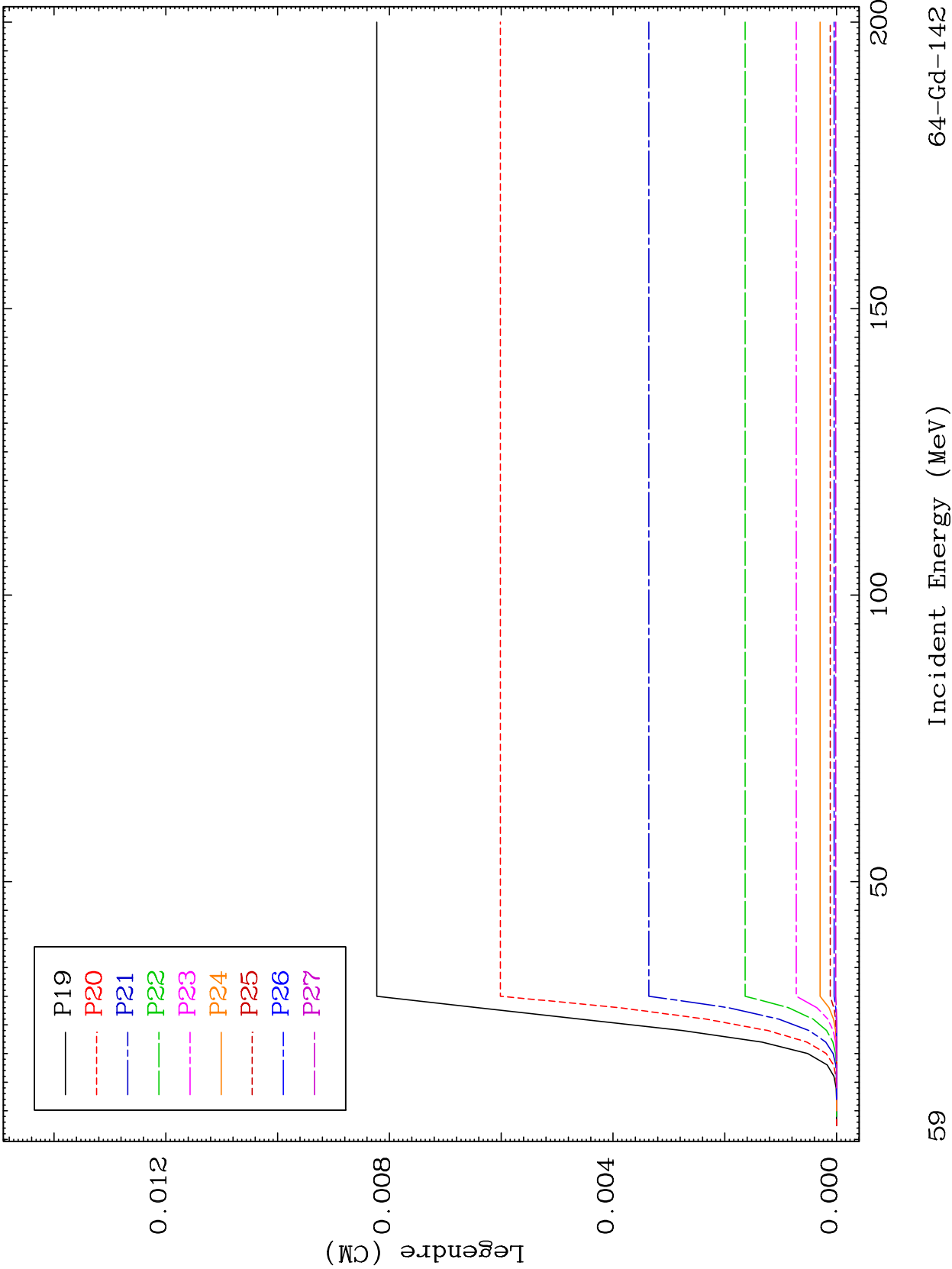
Incident Energy (MeV)

64-Gd-142

MAT 6395

2.314 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



59

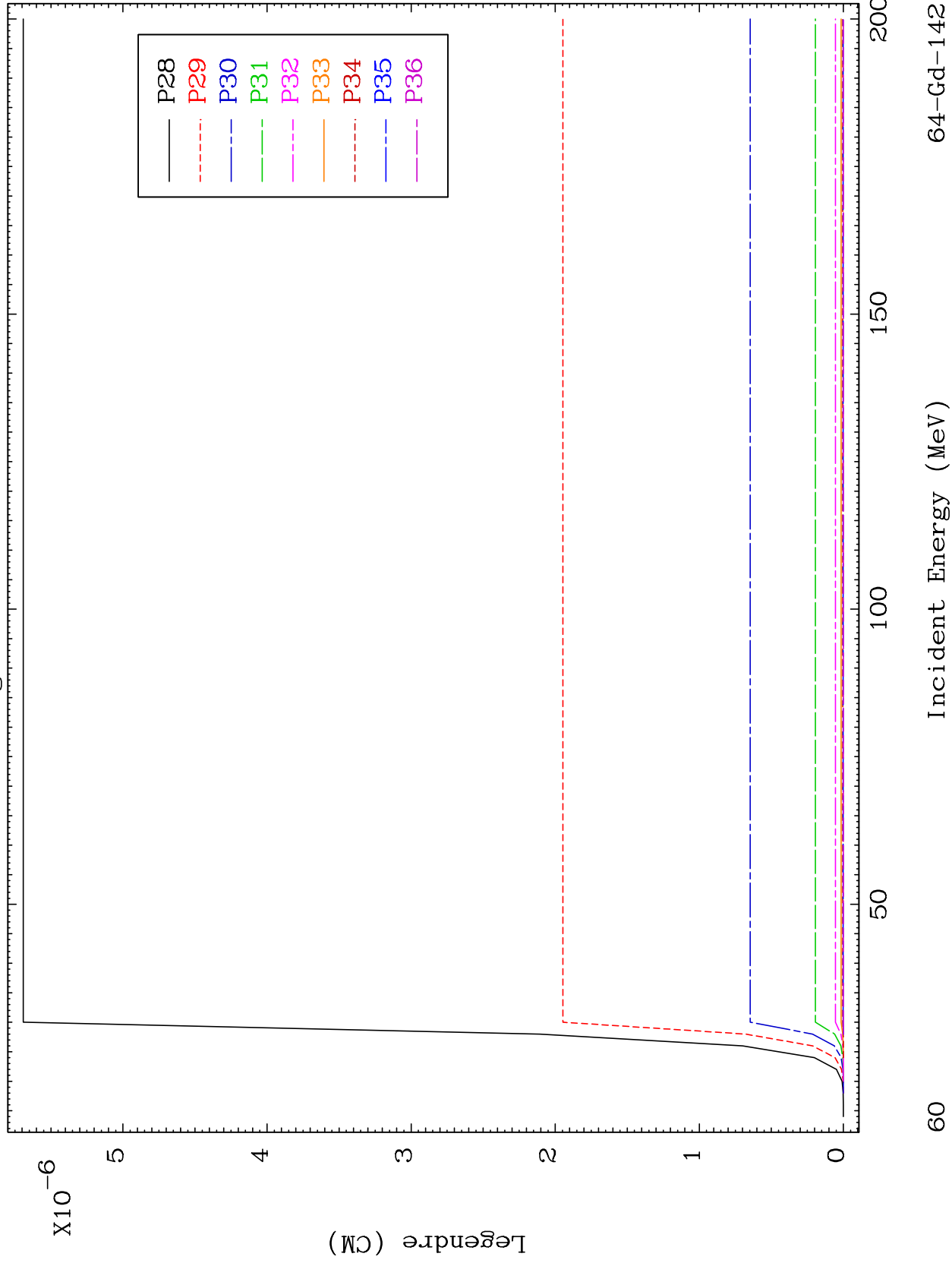
Incident Energy (MeV)

64-Gd-142

MAT 6395

2.314 MeV (n,n') Level
Legendre Coefficients

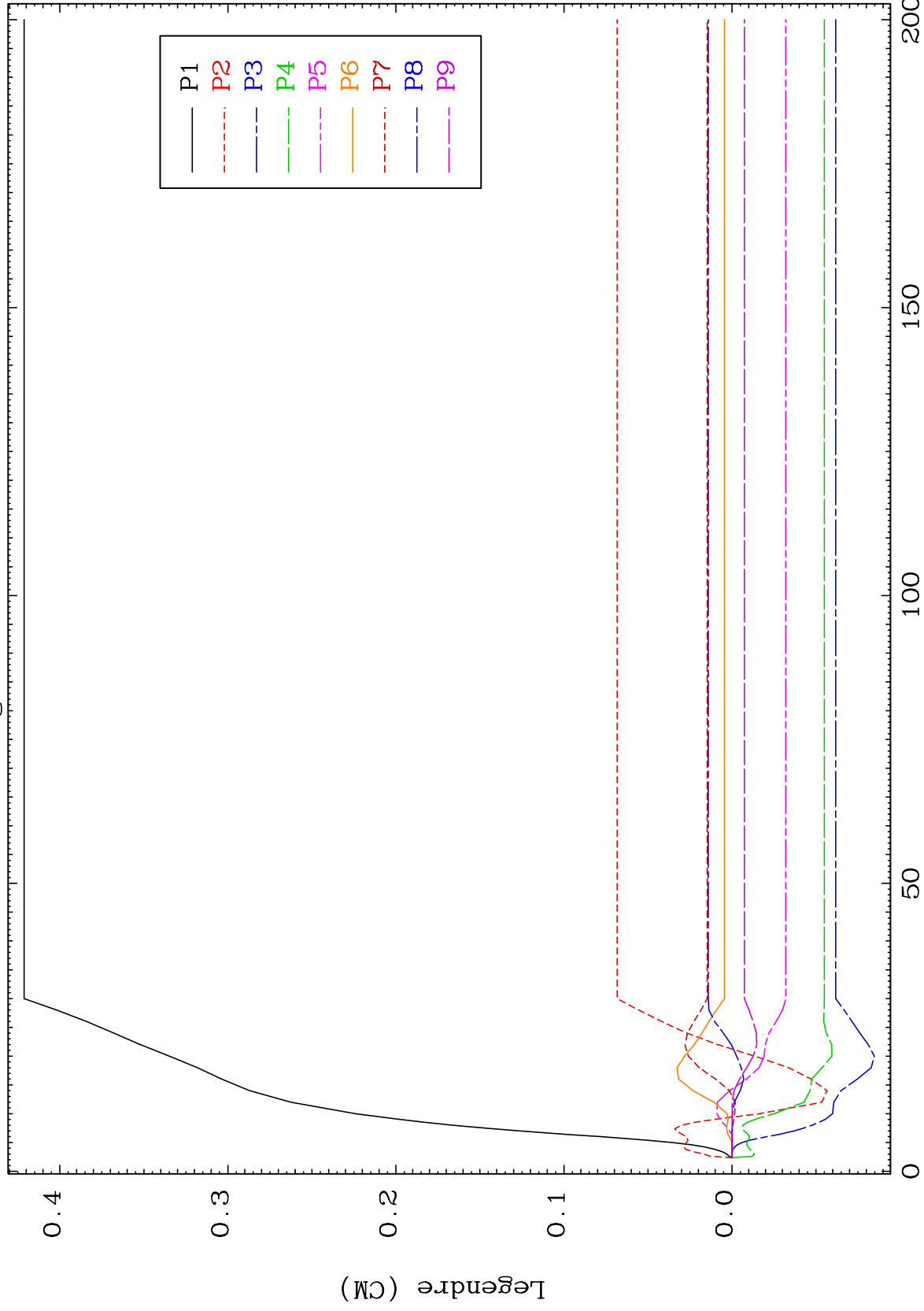
64-Gd-142



MAT 6395

2.342 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



61

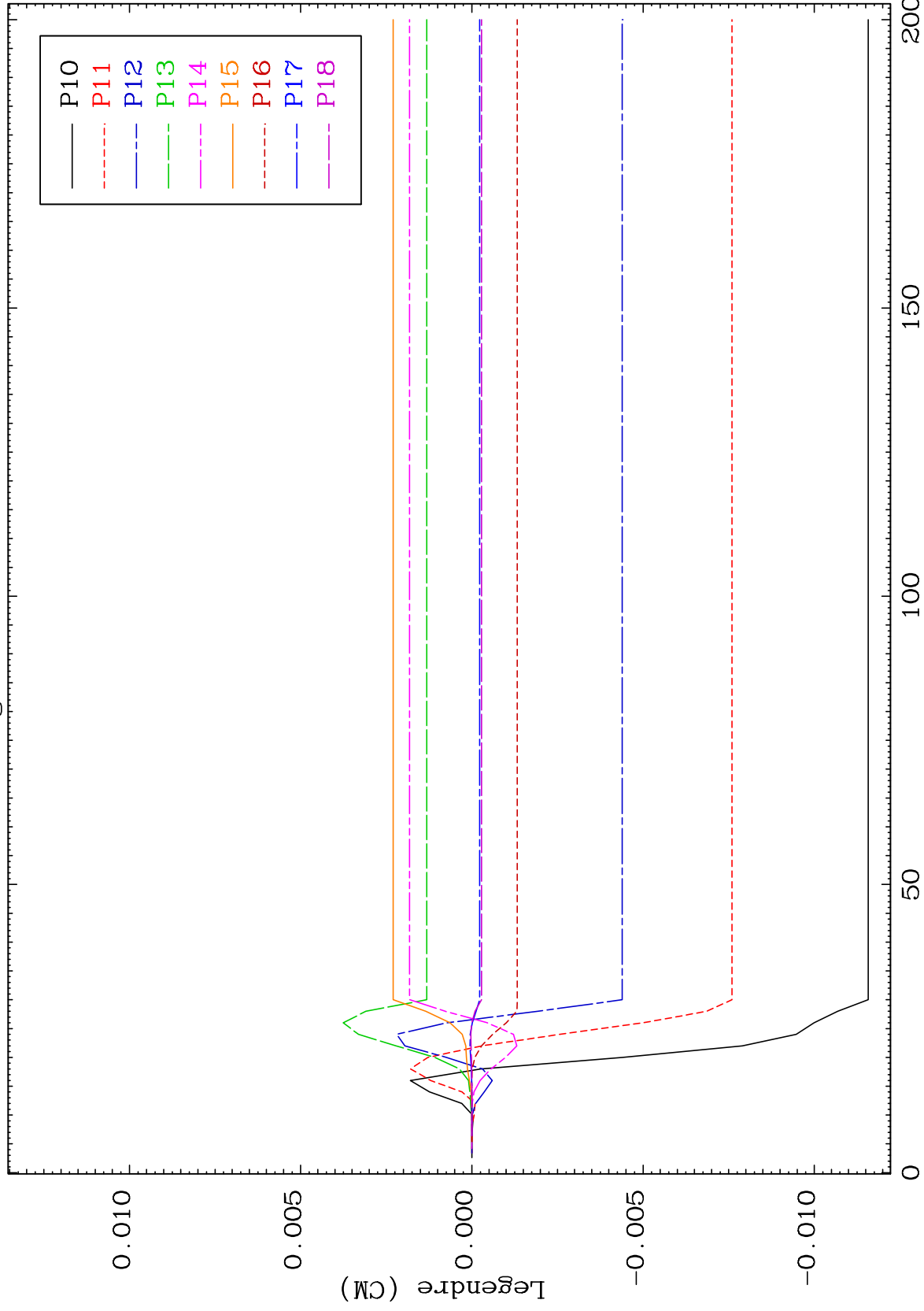
Incident Energy (MeV)

64-Gd-142

MAT 6395

2.342 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



62

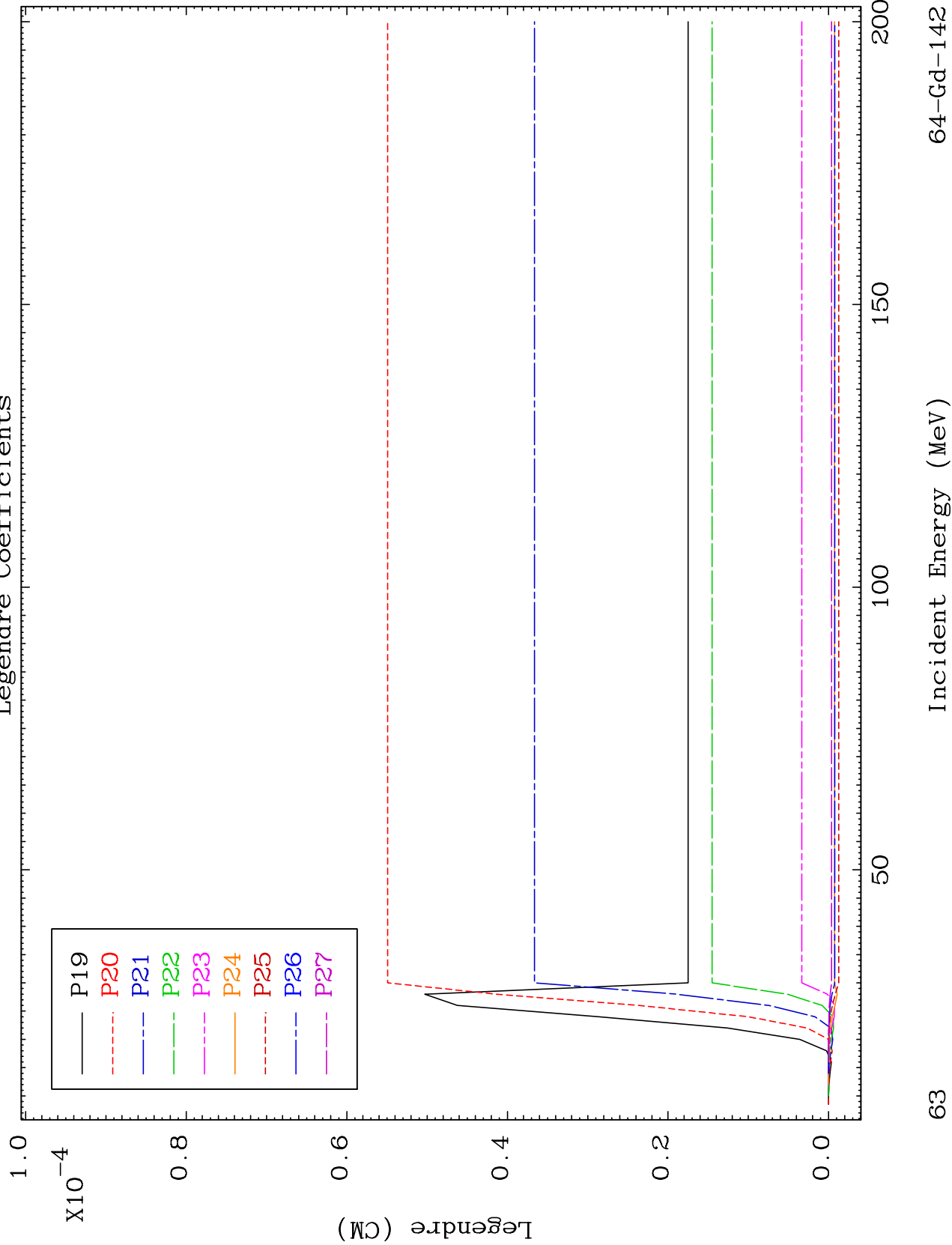
Incident Energy (MeV)

64-Gd-142

MAT 6395

2.342 MeV (n, n') Level
Legendre Coefficients

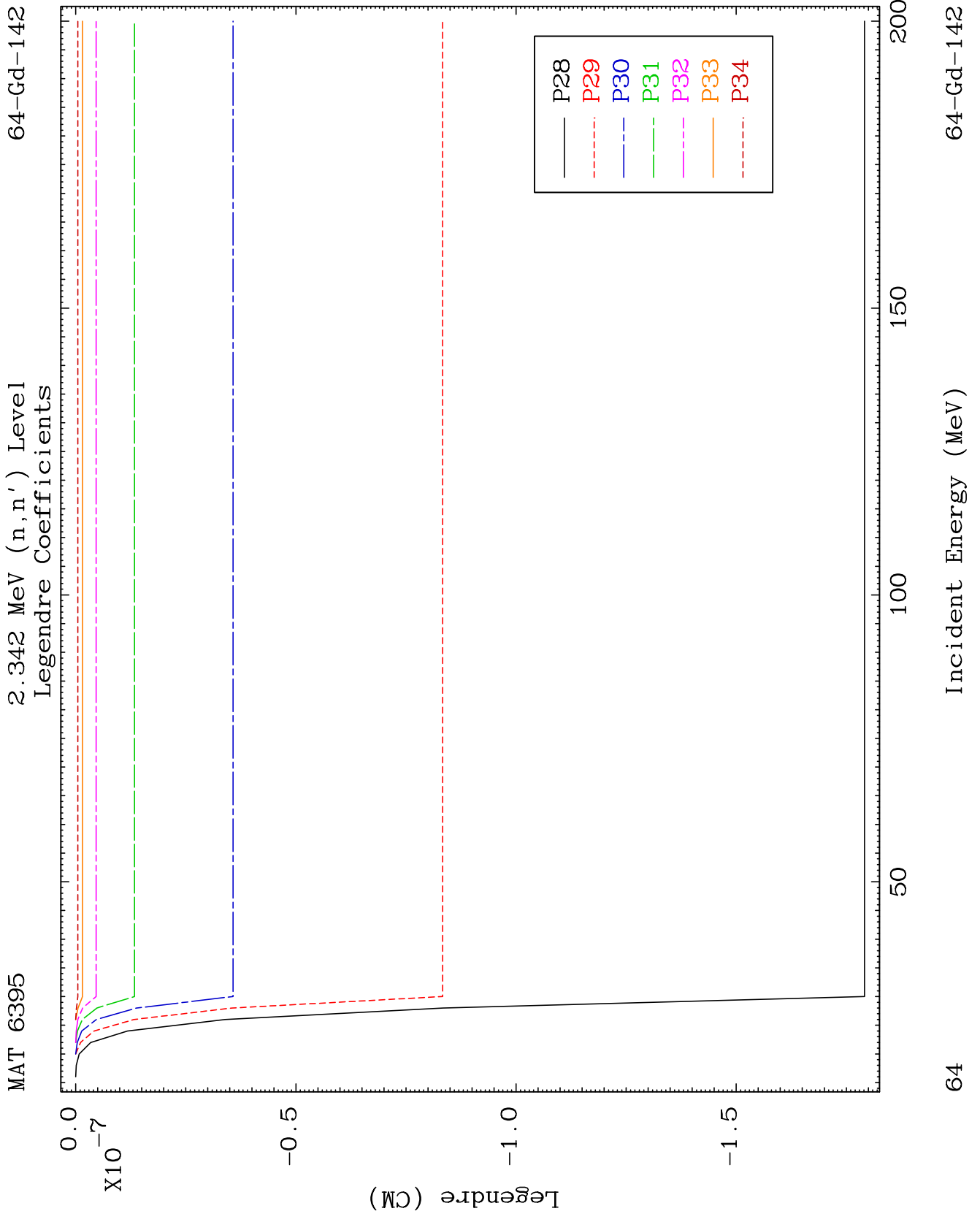
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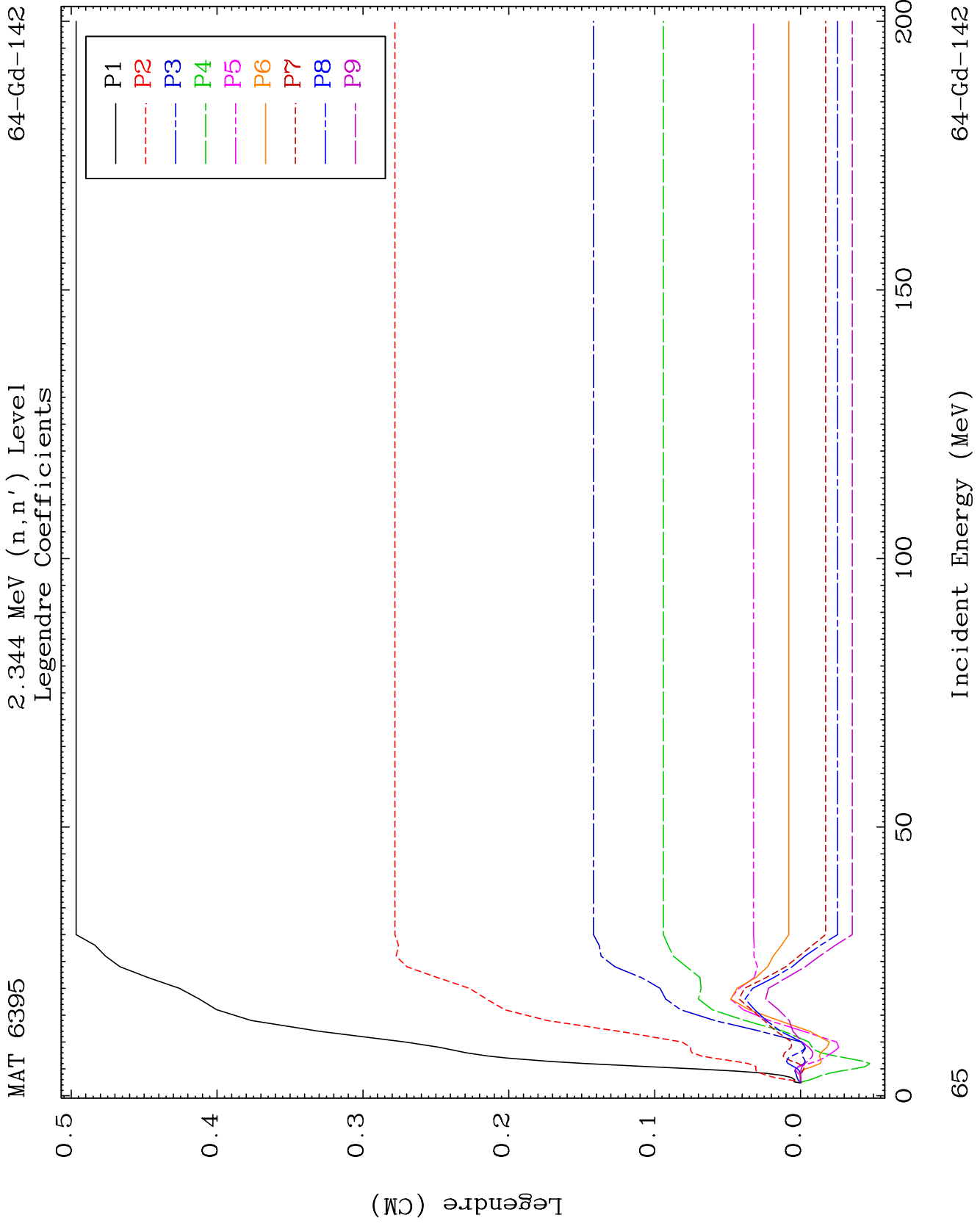


63

Incident Energy (MeV)

64-Gd-142

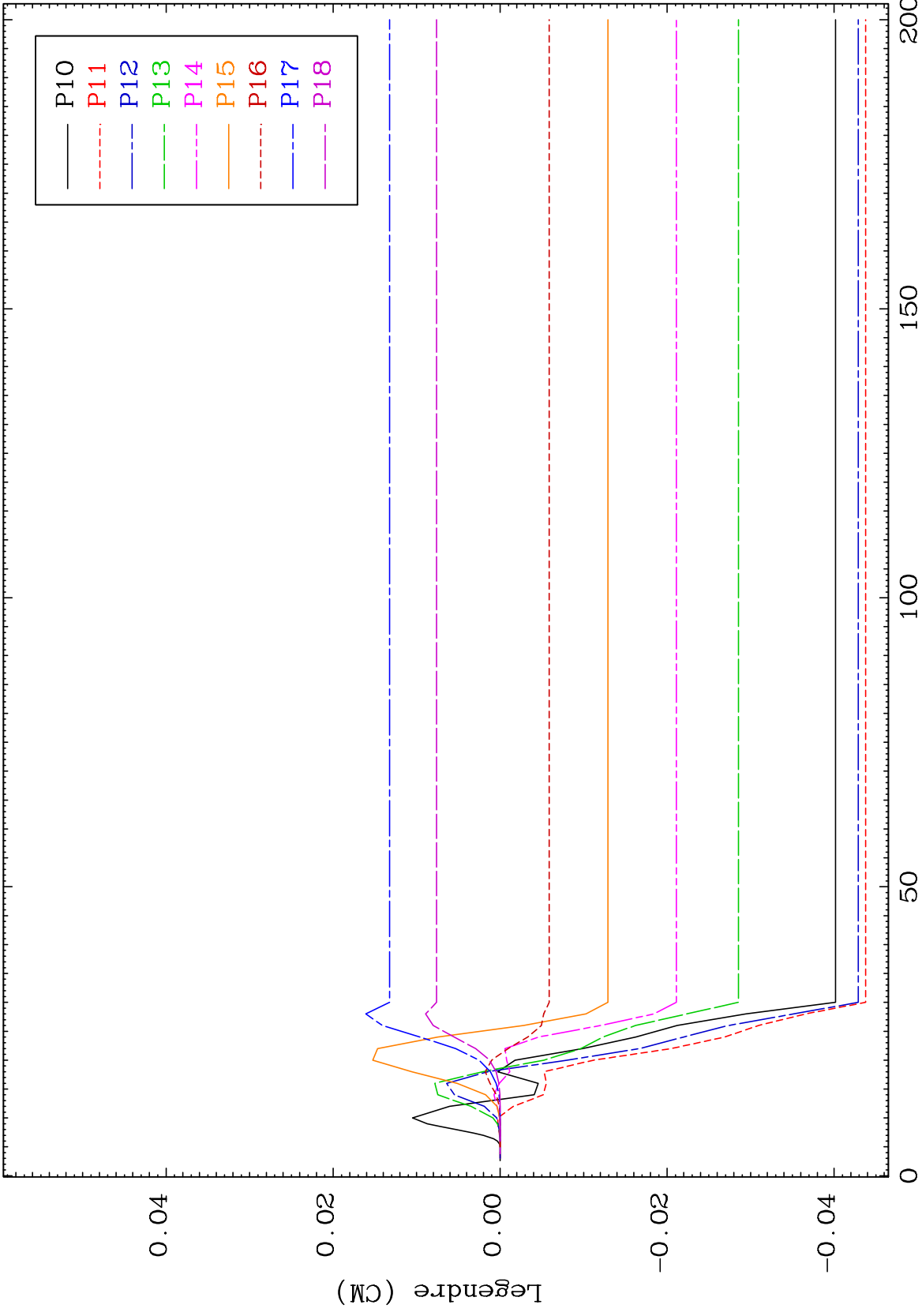




MAT 6395

2.344 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



66

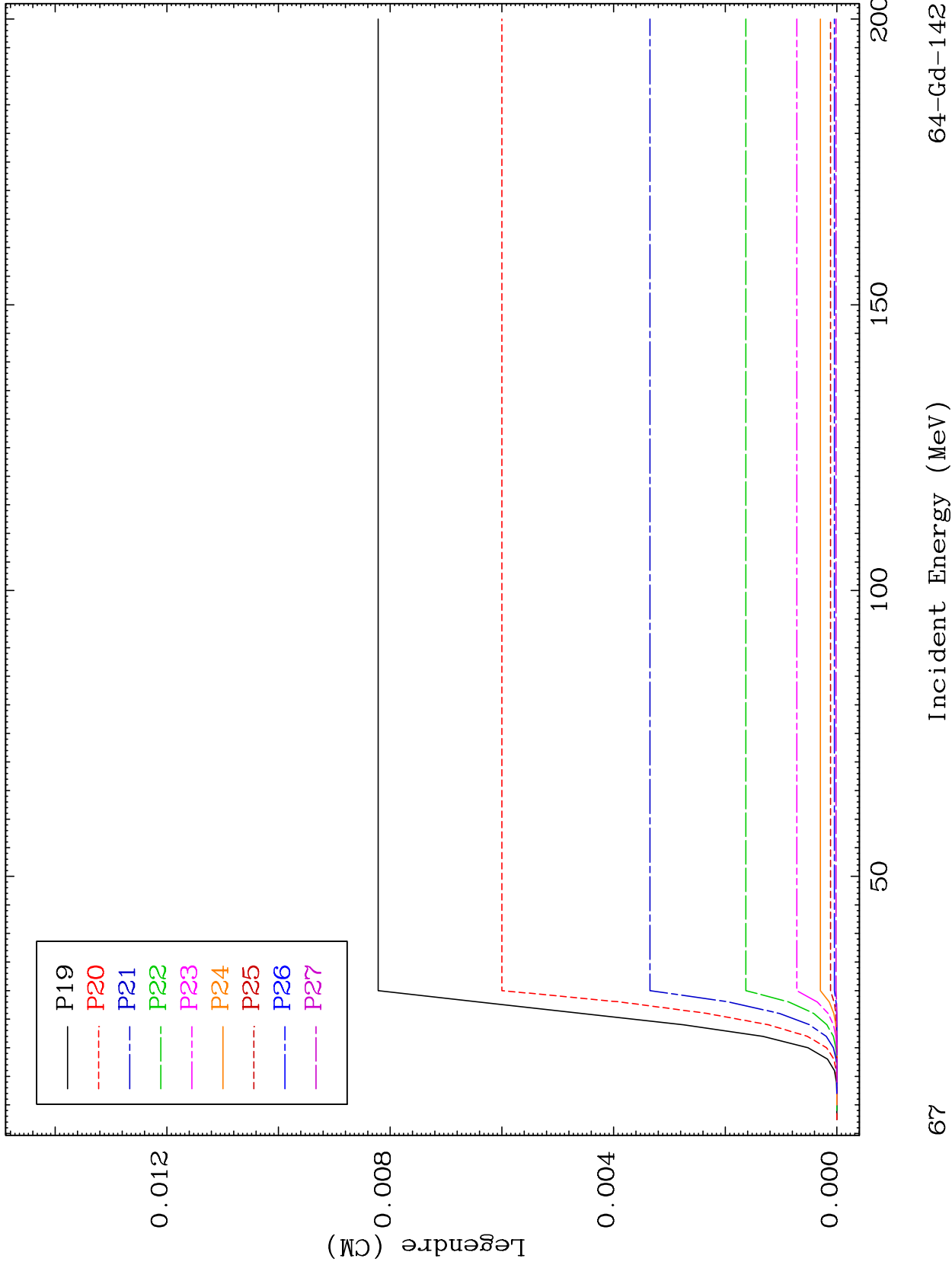
Incident Energy (MeV)

64-Gd-142

MAT 6395

2.344 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



67

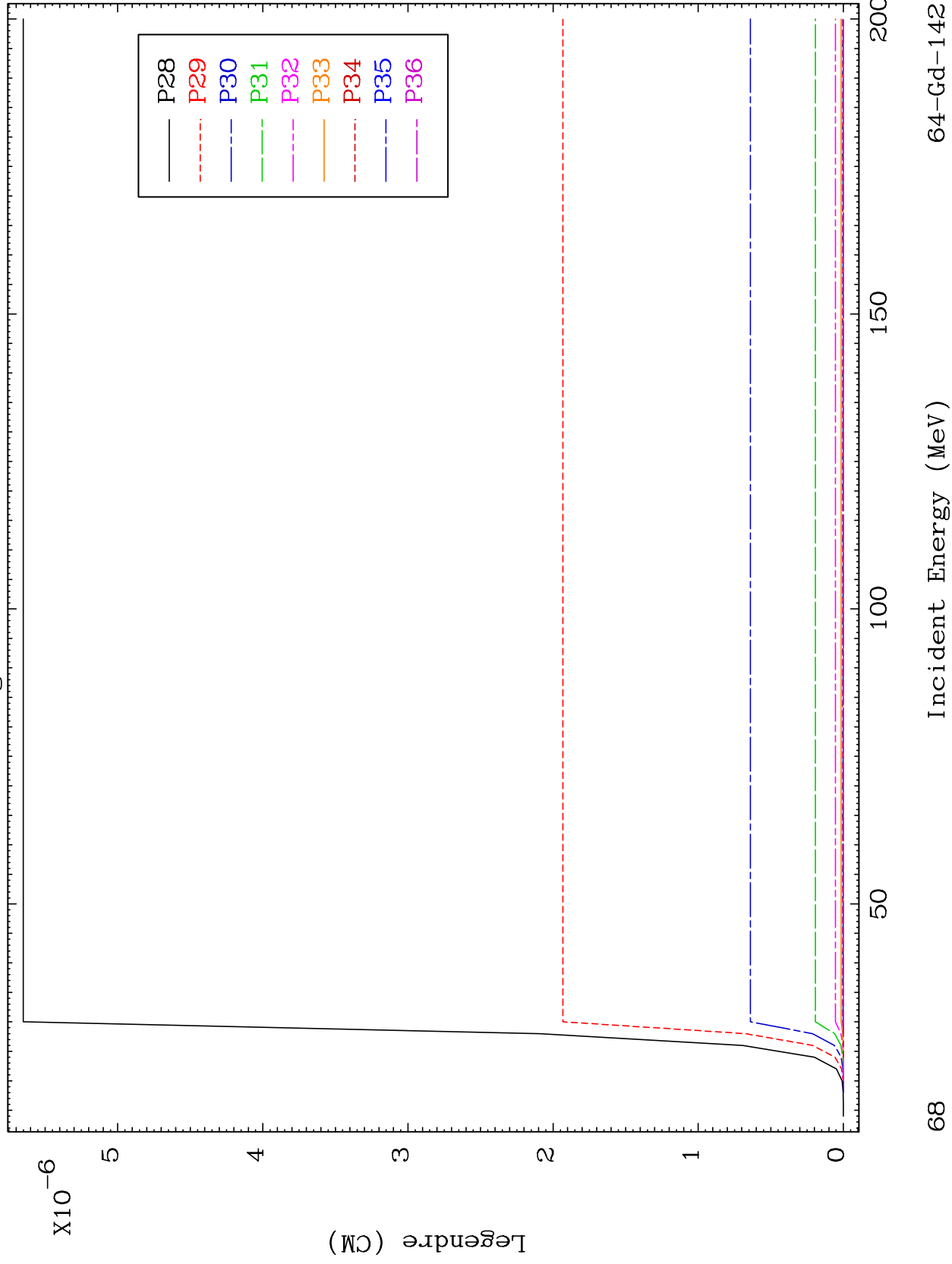
Incident Energy (MeV)

64-Gd-142

MAT 6395

2.344 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



68

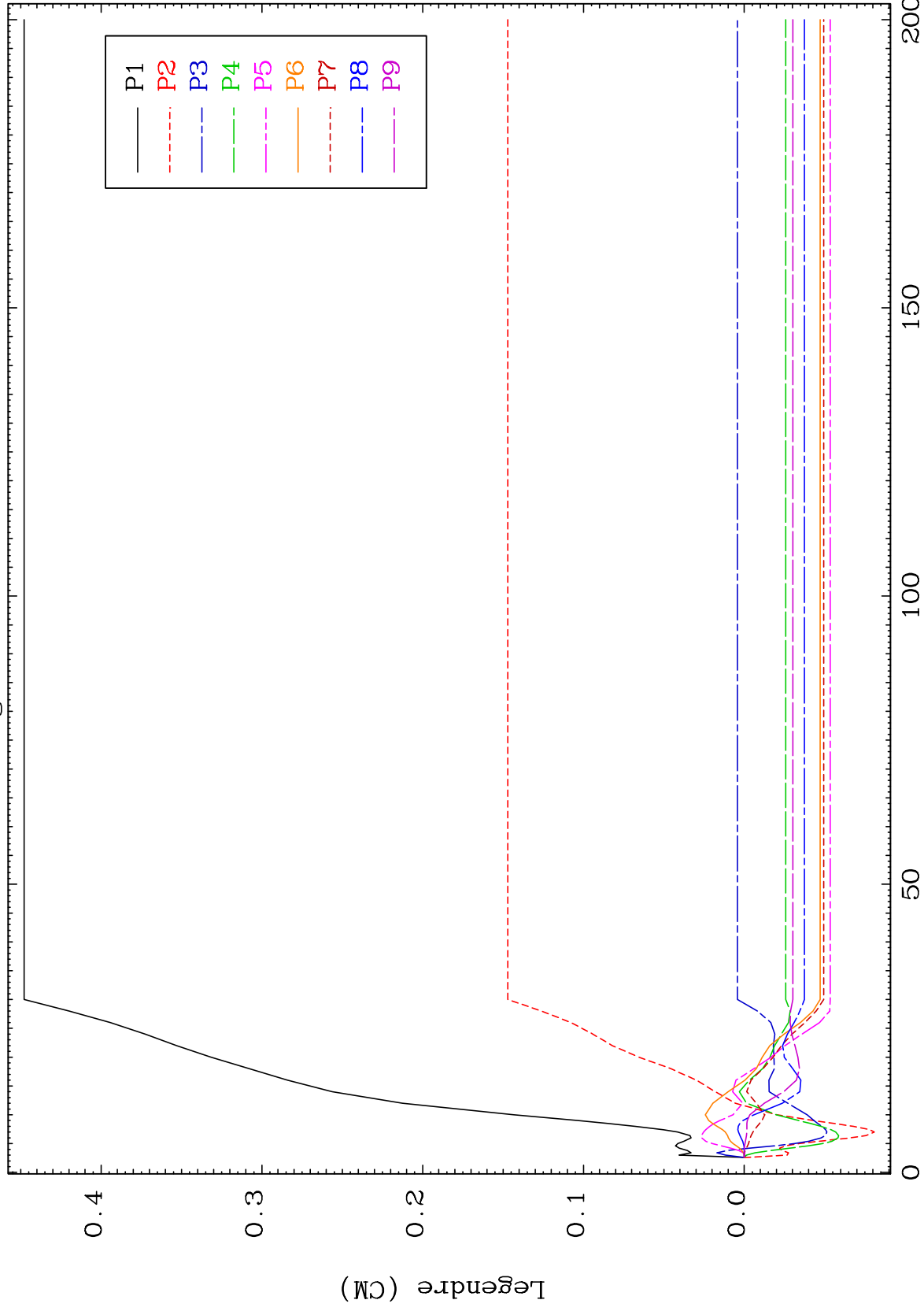
Incident Energy (MeV)

64-Gd-142

MAT 6395

2.535 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



69

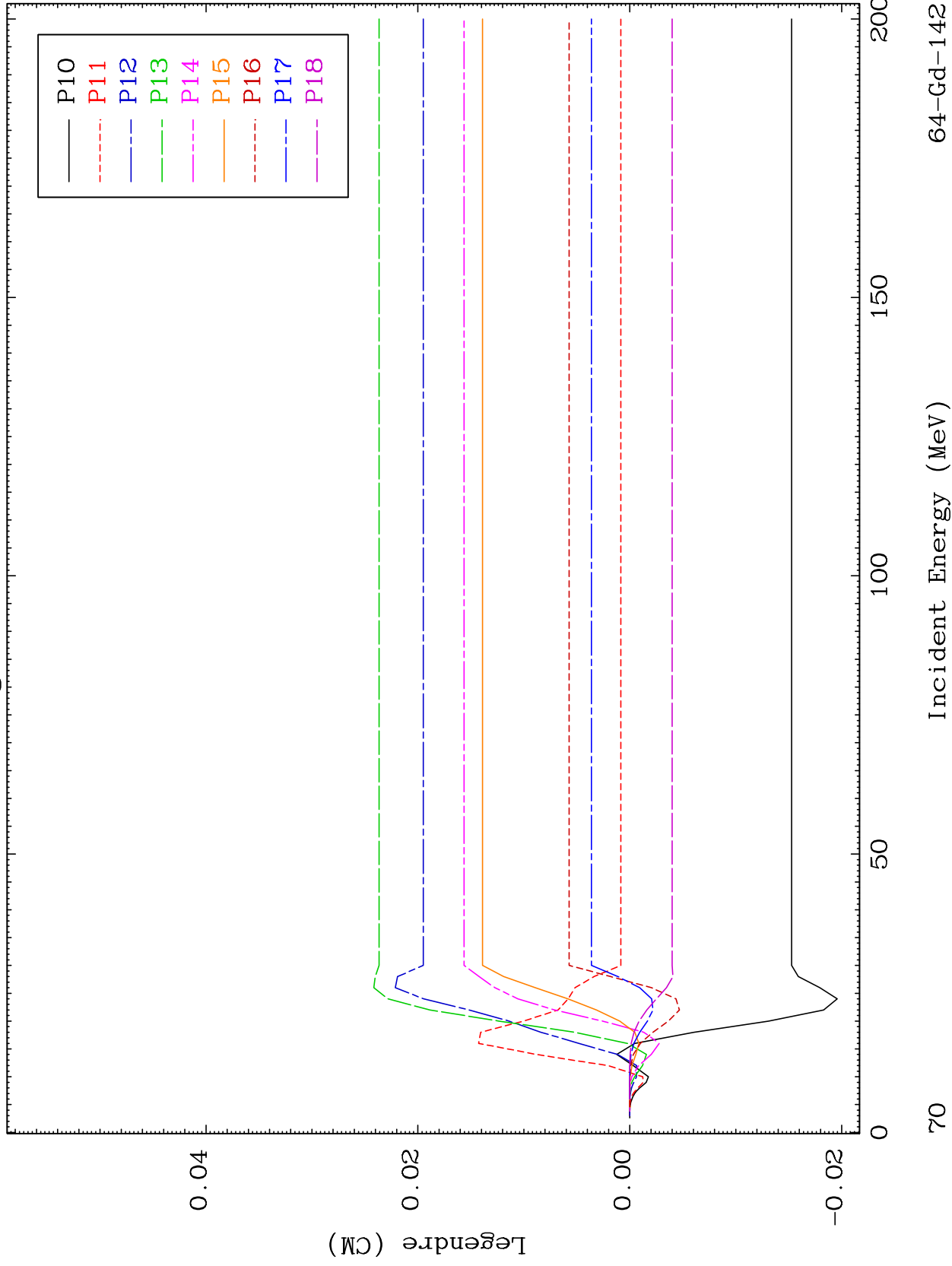
Incident Energy (MeV)

64-Gd-142

MAT 6395

2.535 MeV (n,n') Level
Legendre Coefficients

64-Gd-142



64-Gd-142

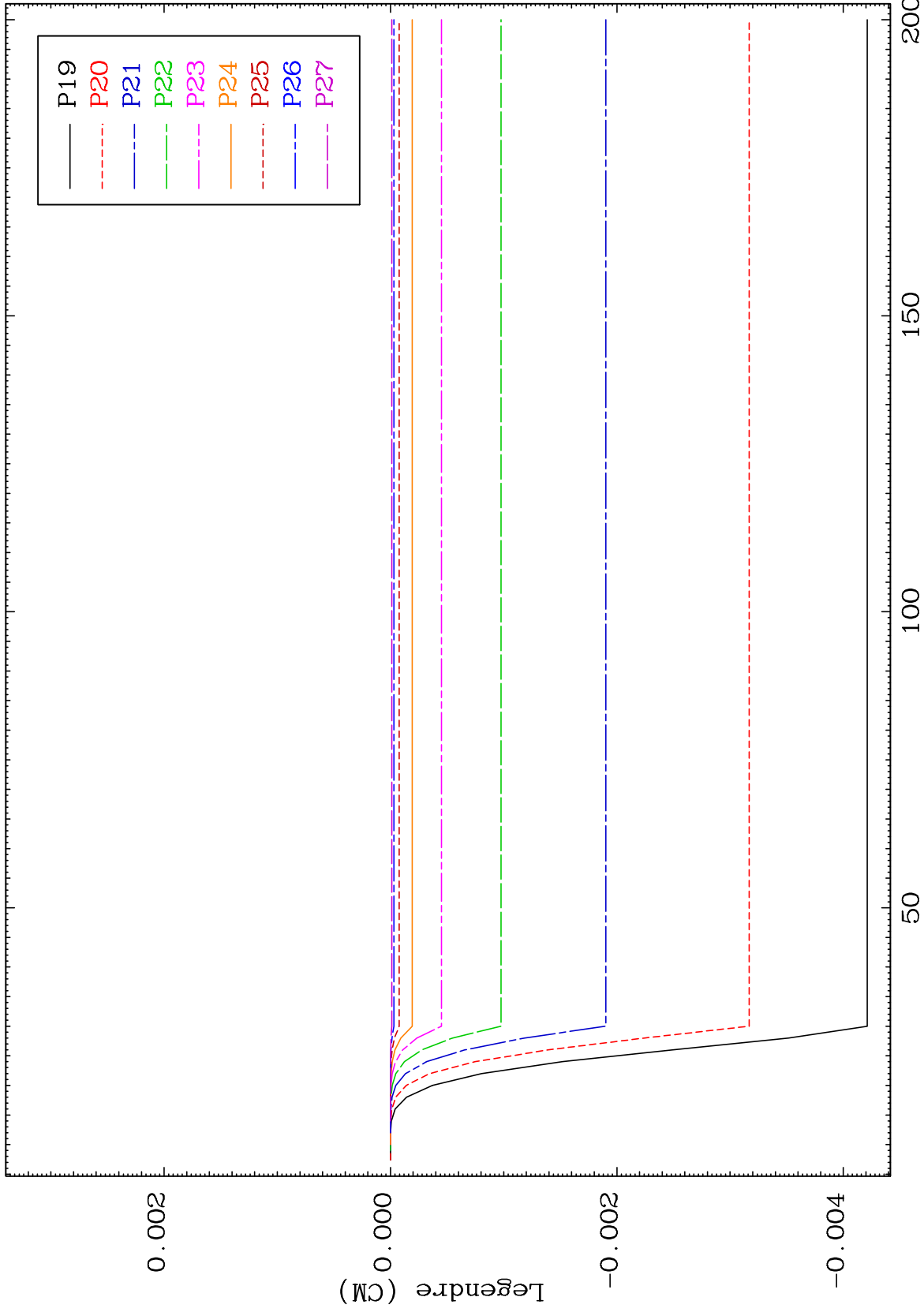
Incident Energy (MeV)

70

MAT 6395

2.535 MeV (n,n') Level
Legendre Coefficients

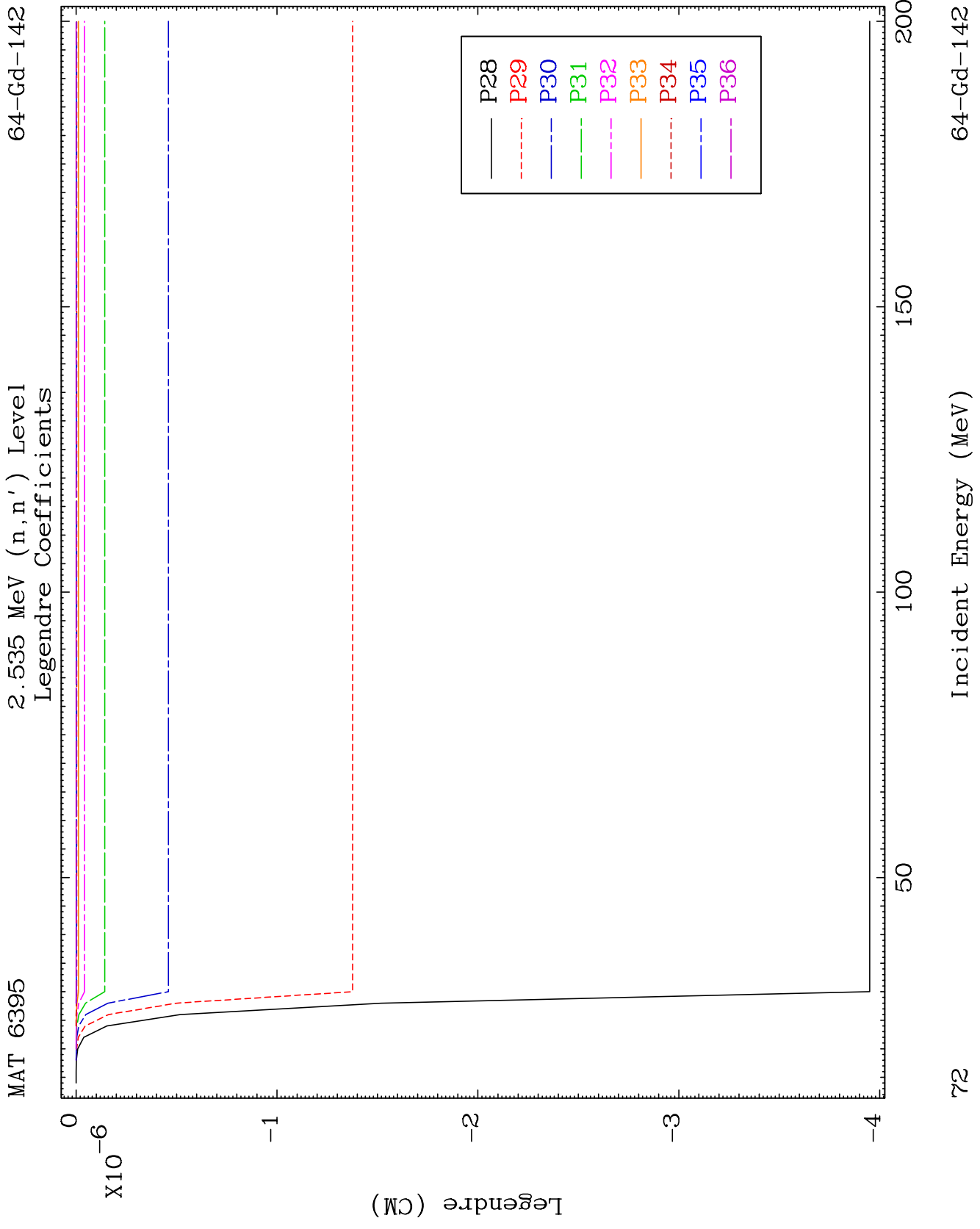
64-Gd-142



71

Incident Energy (MeV)

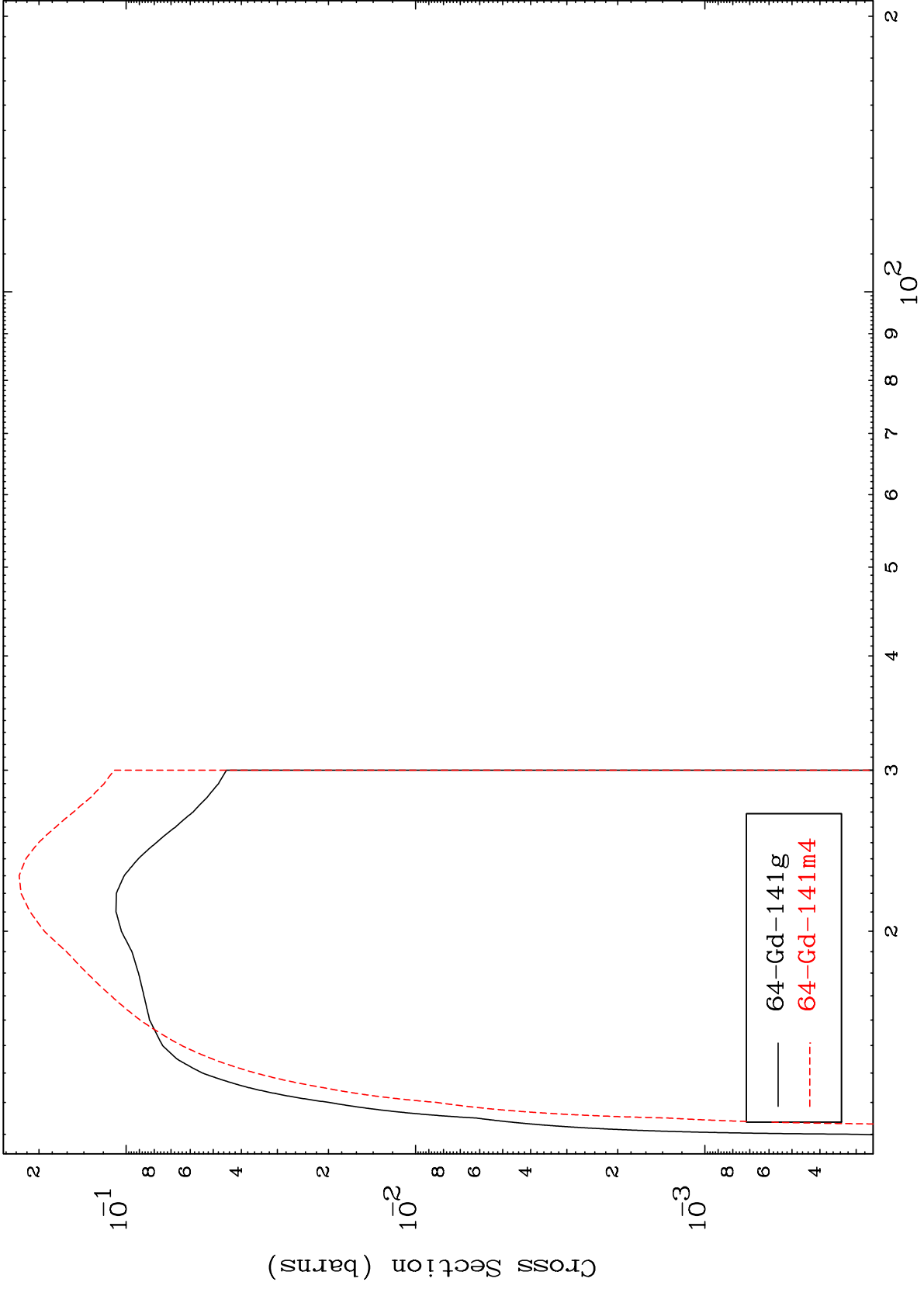
64-Gd-142



MAT 6395

64-Gd-142

(n,2n)
Radionuclide Production Cross Section



73

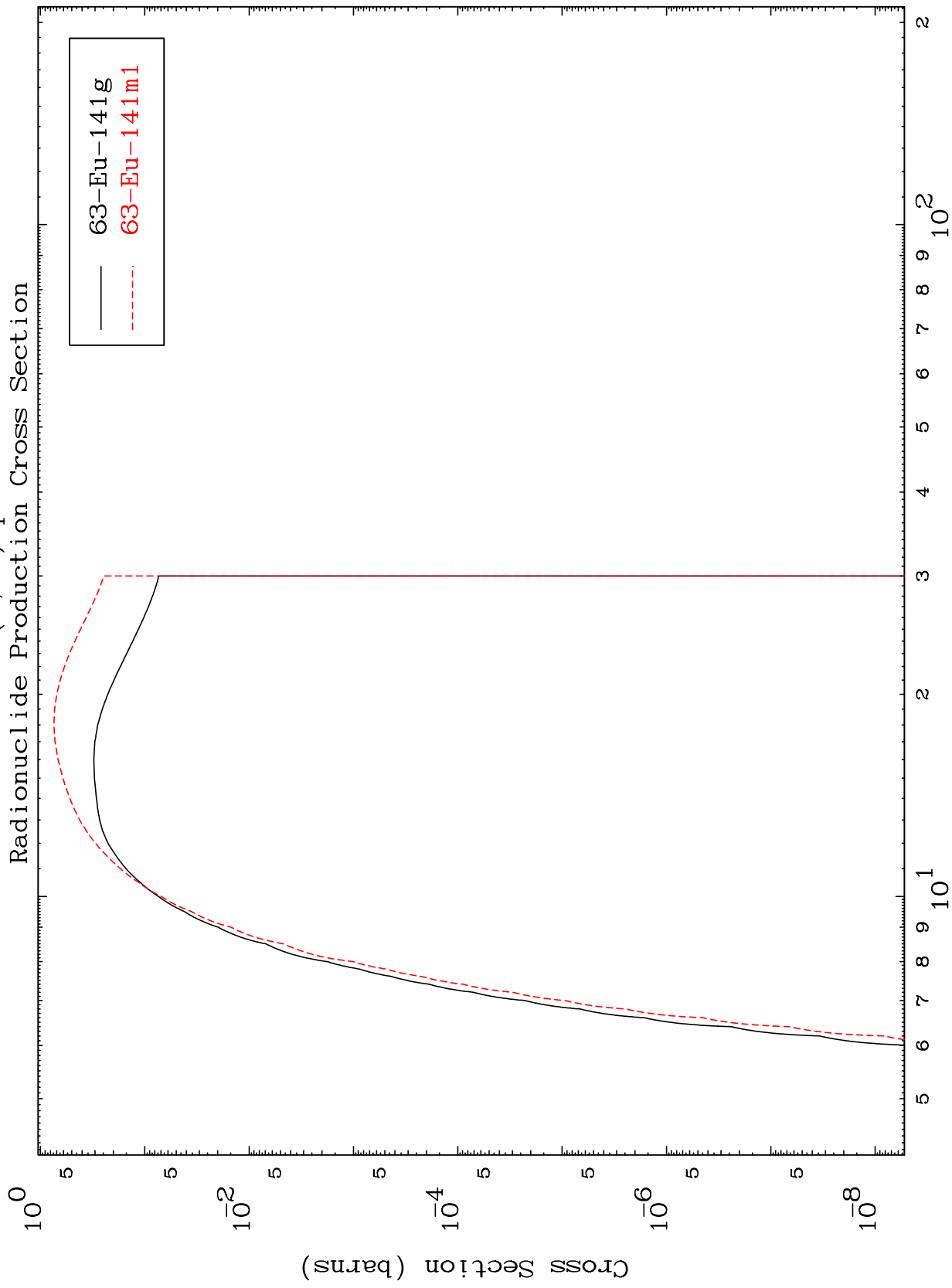
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n, n') p

64-Gd-142



74

Incident Energy (MeV)

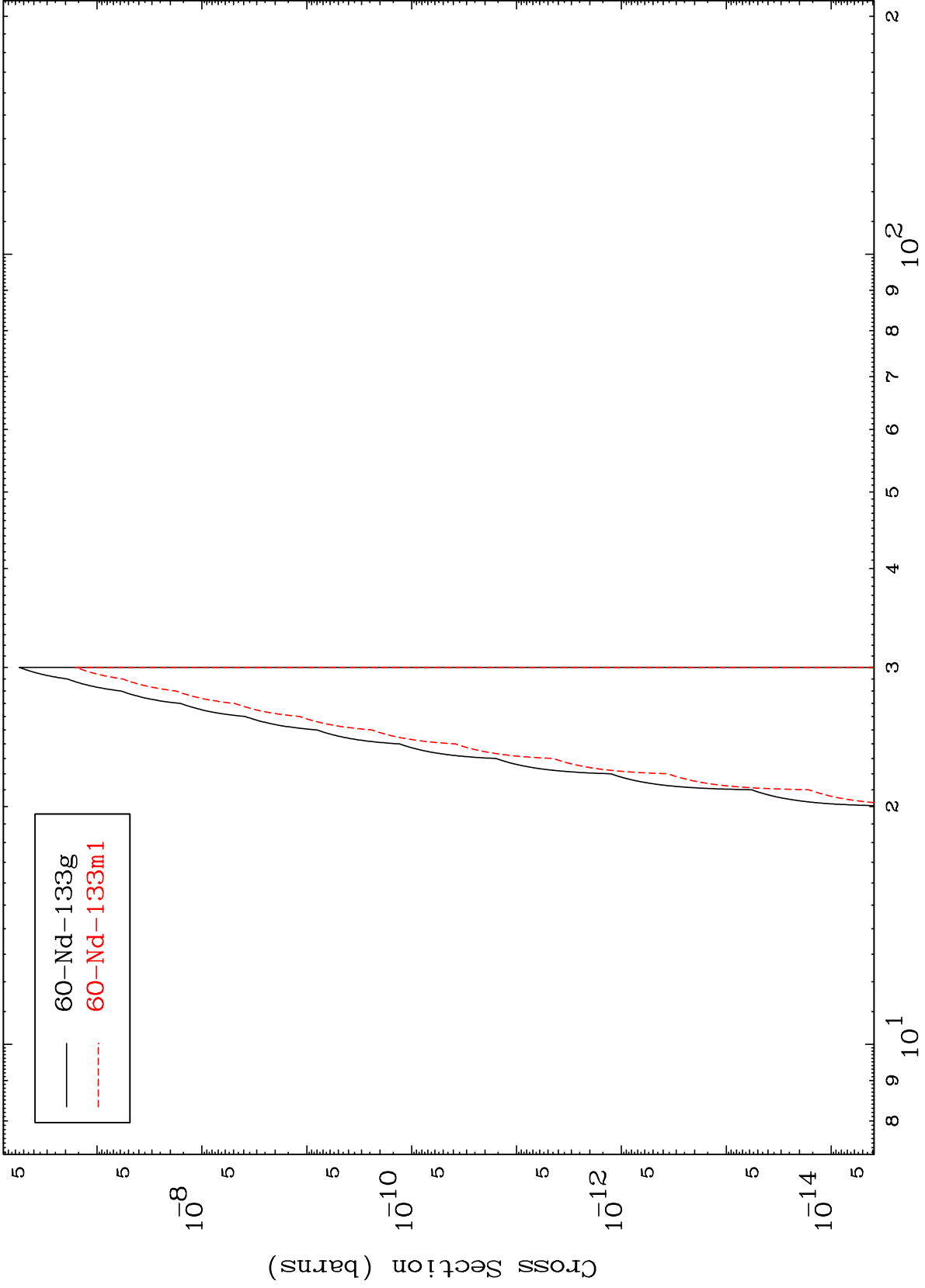
64-Gd-142

MAT 6395

(n,2n) 2 α

64-Gd-142

Radionuclide Production Cross Section



75

Incident Energy (MeV)

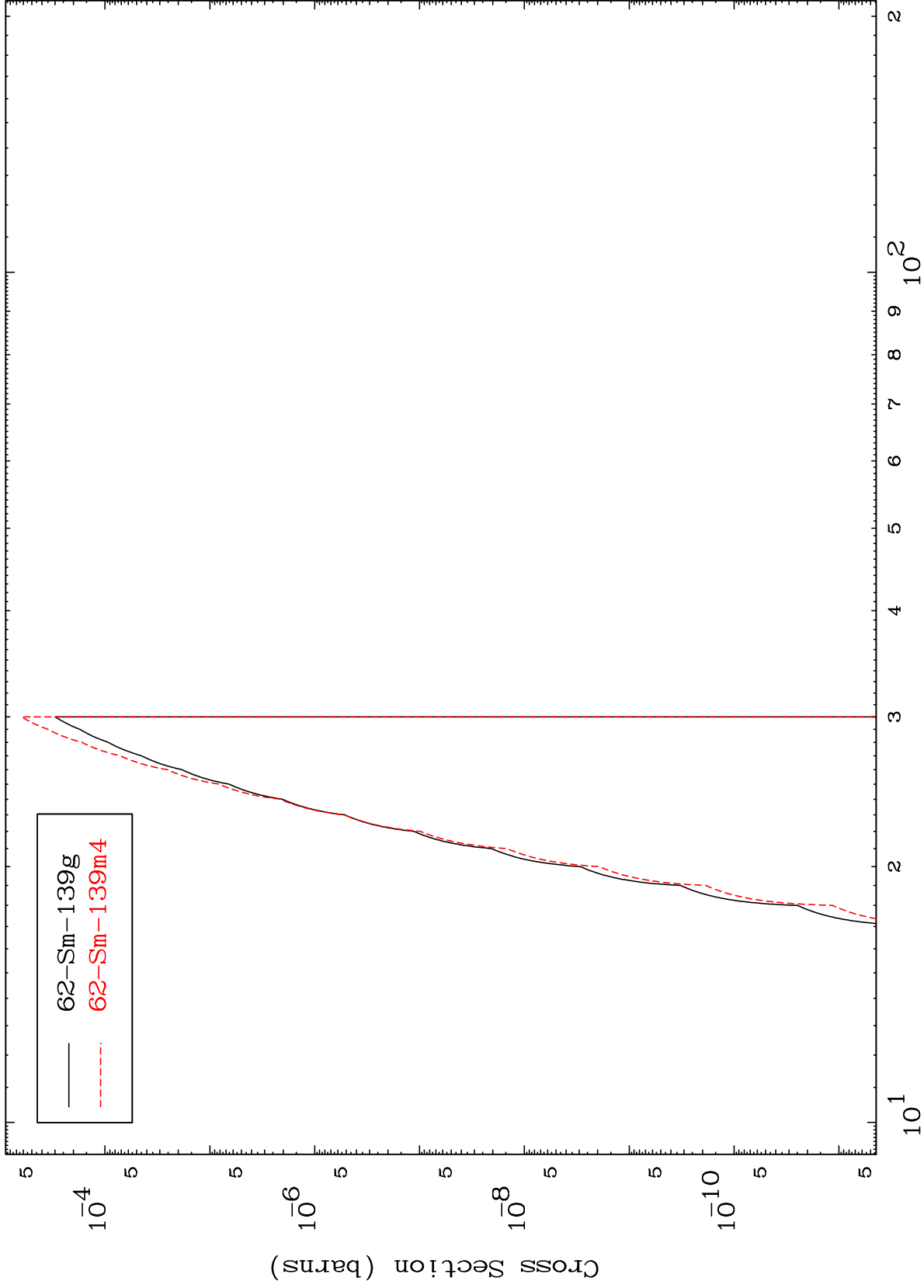
64-Gd-142

MAT 6395

(n,n') He-3

64-Gd-142

Radionuclide Production Cross Section



76

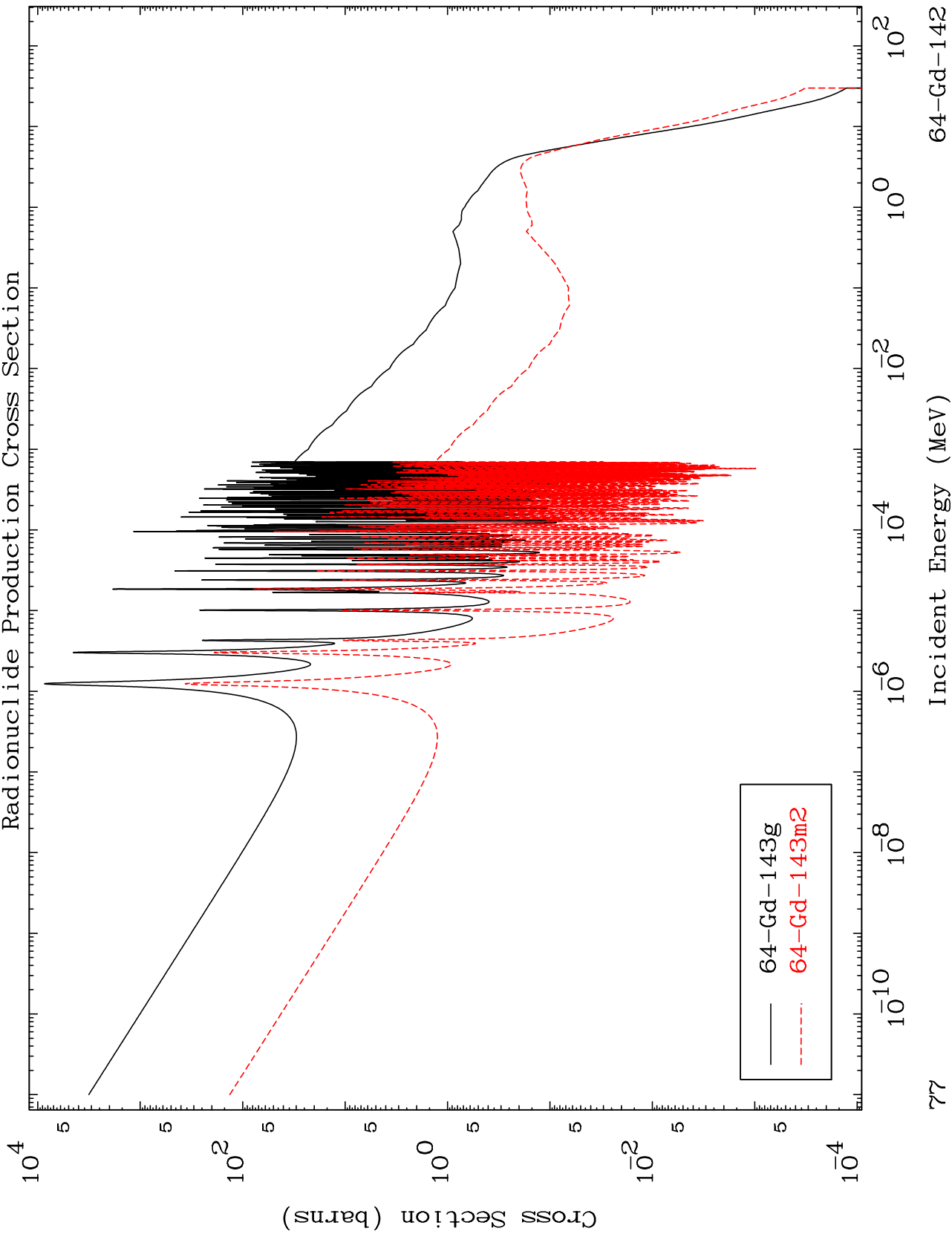
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

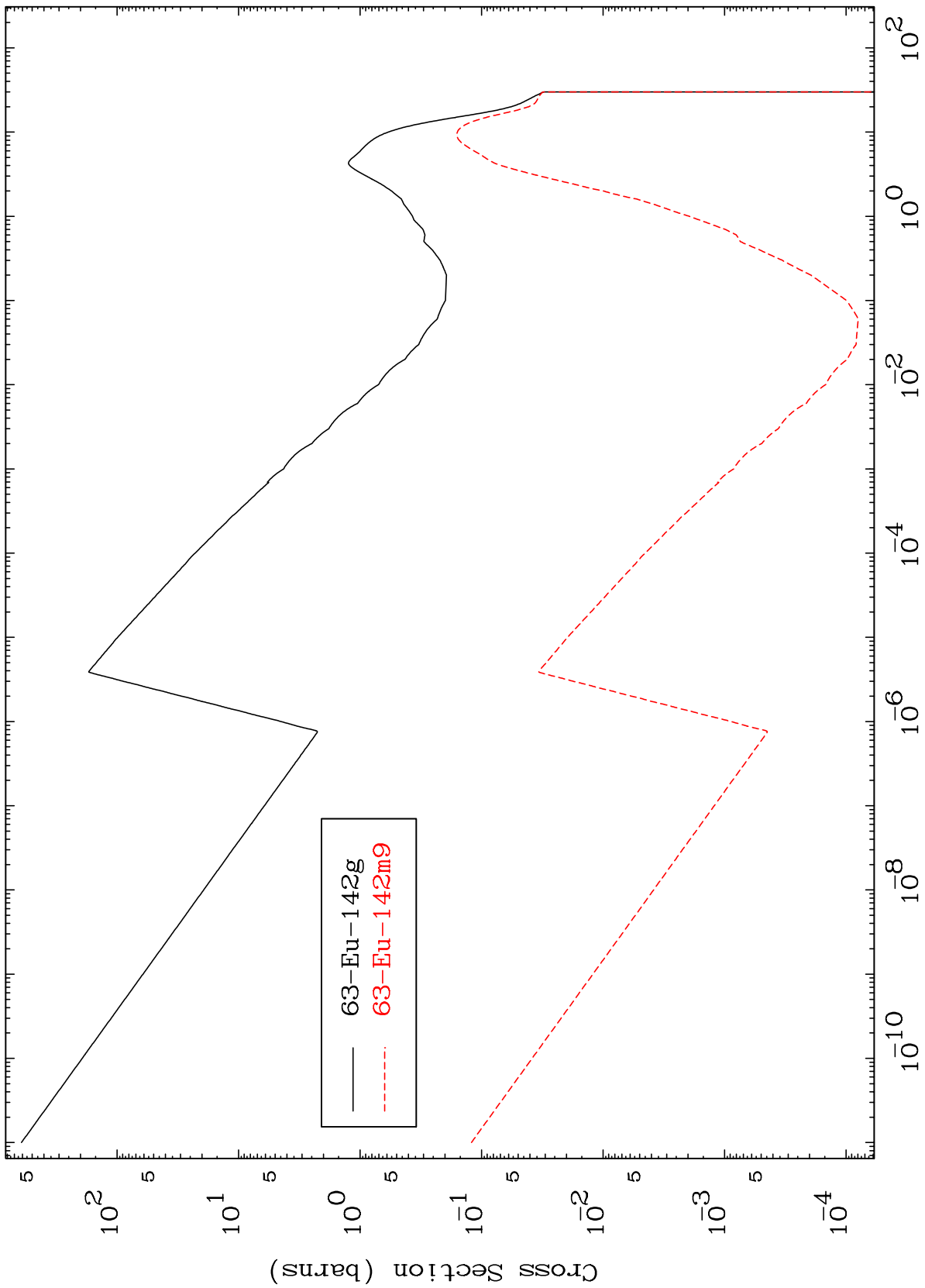
(n, γ)
Radionuclide Production Cross Section



MAT 6395

64-Gd-142

(n,p)
Radionuclide Production Cross Section



78

64-Gd-142

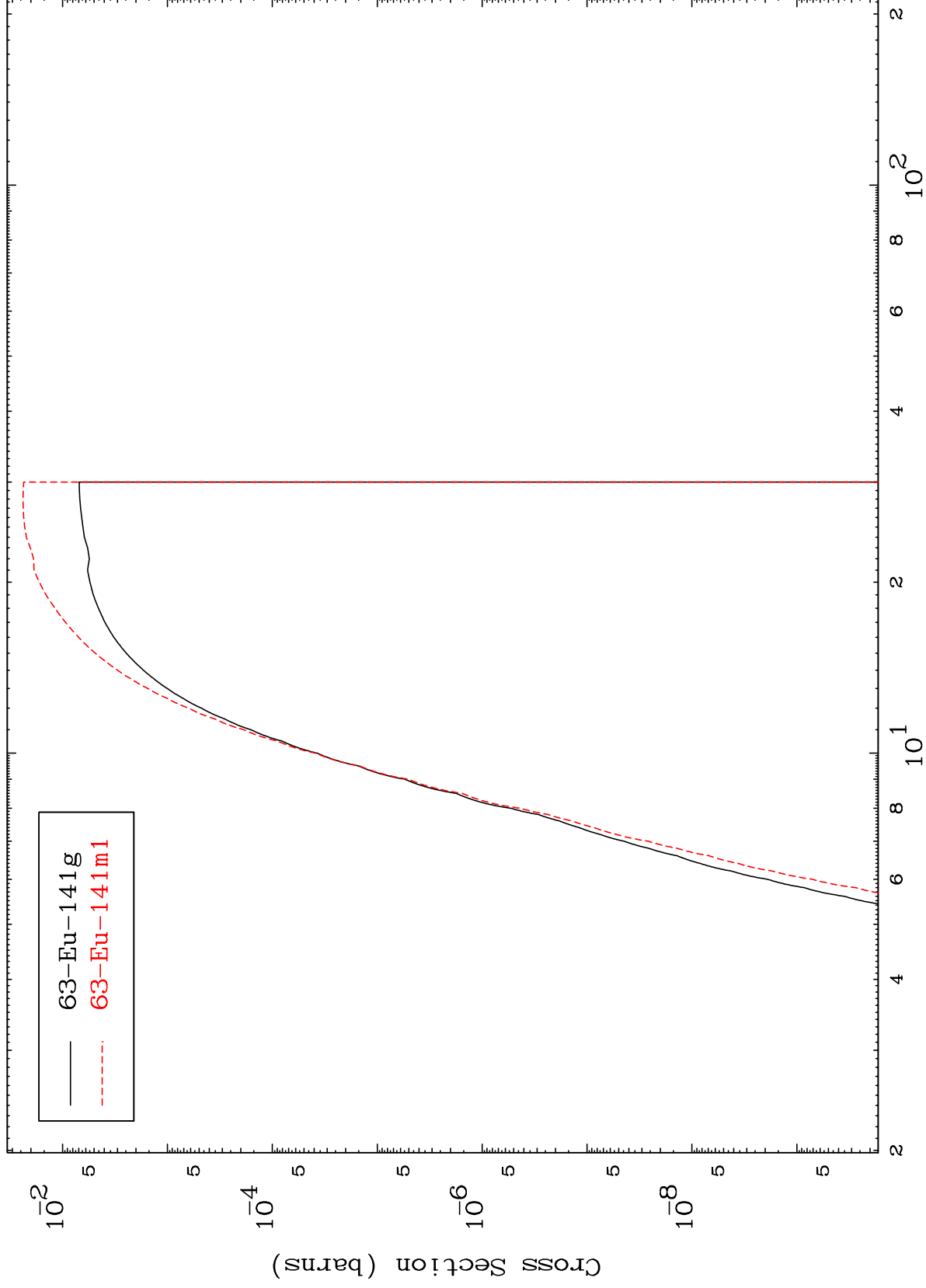
Incident Energy (MeV)

MAT 6395

(n,d)

64-Gd-142

Radionuclide Production Cross Section



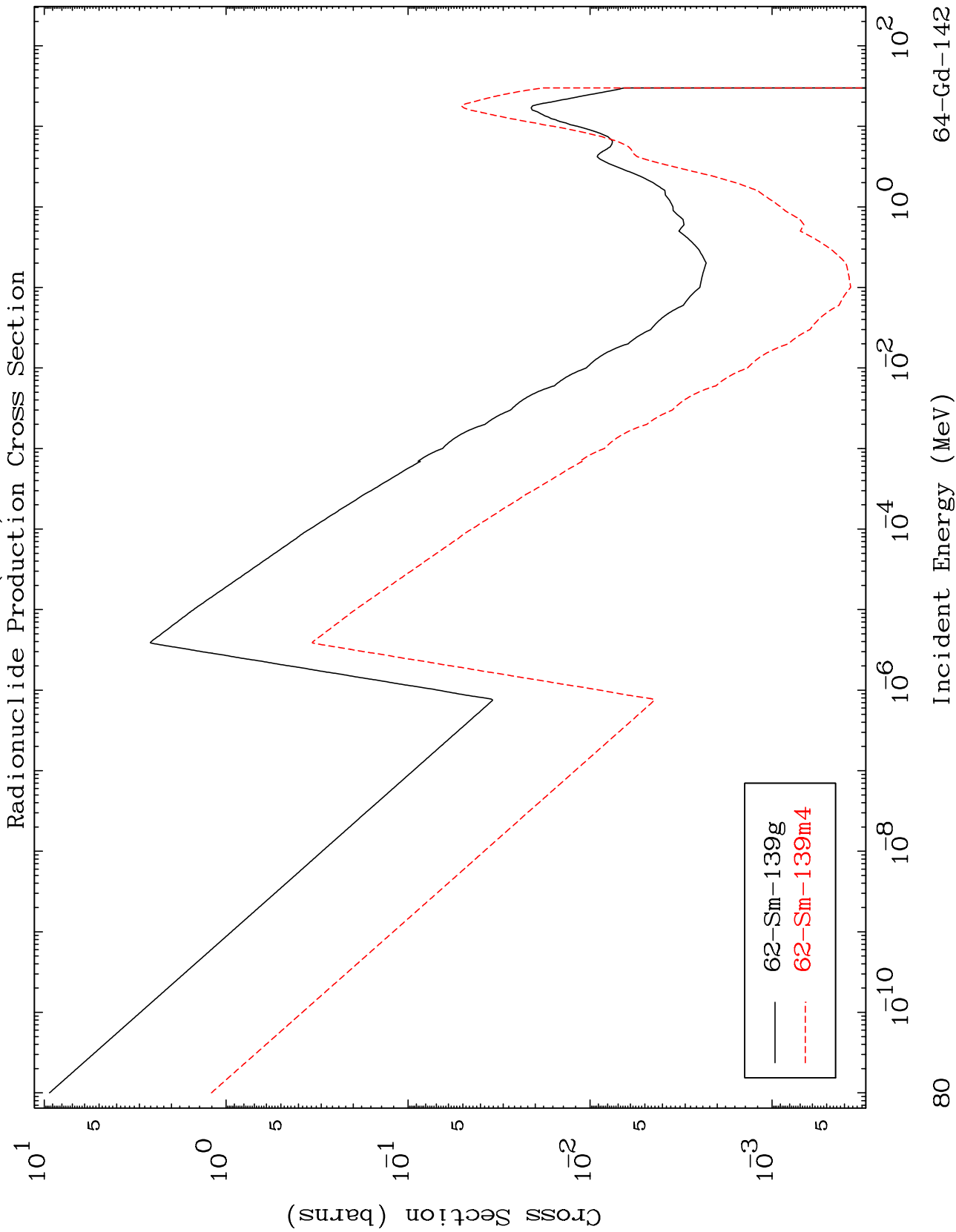
79

Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

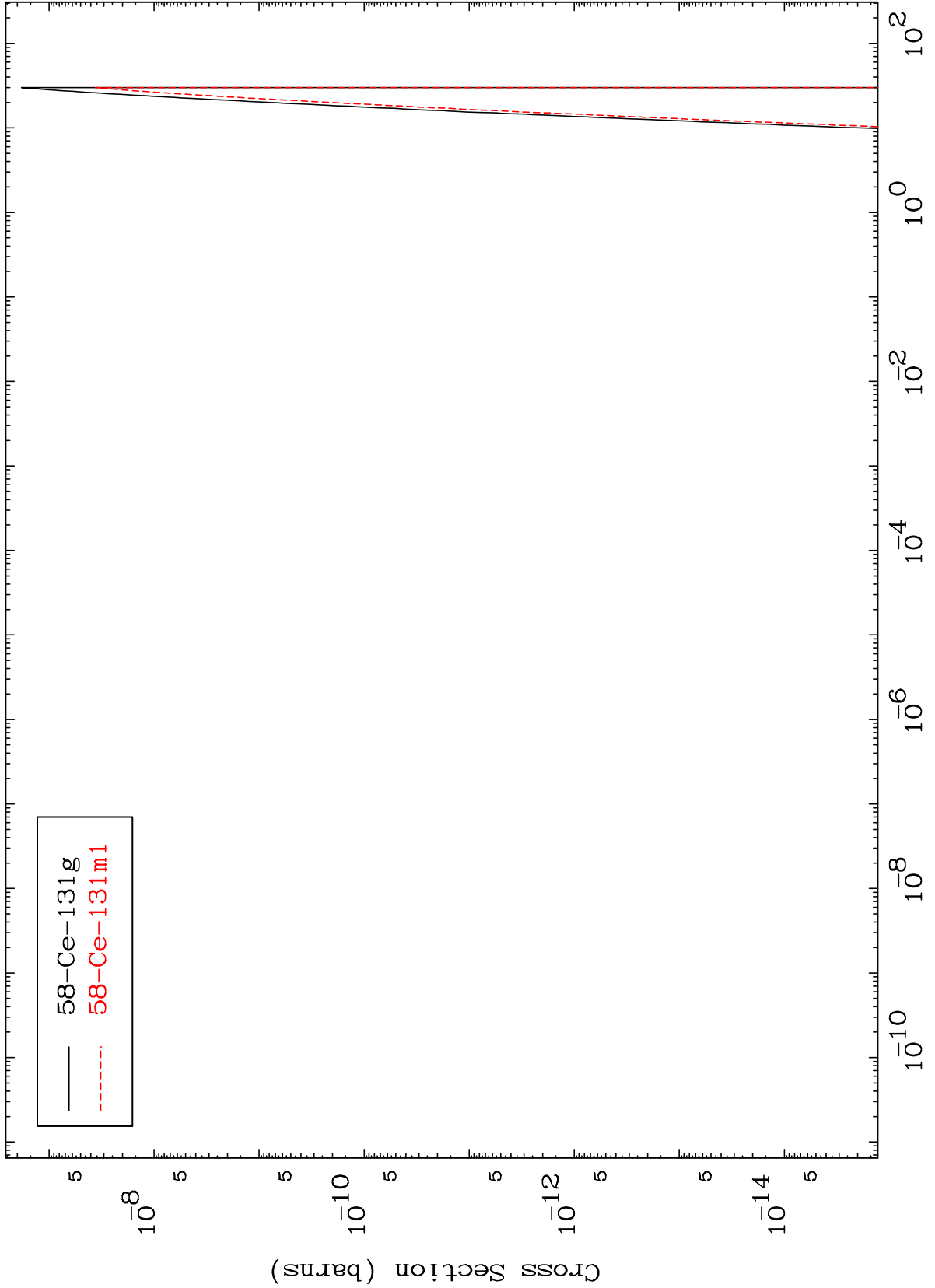


MAT 6395

(n, 3α)

64-Gd-142

Radionuclide Production Cross Section

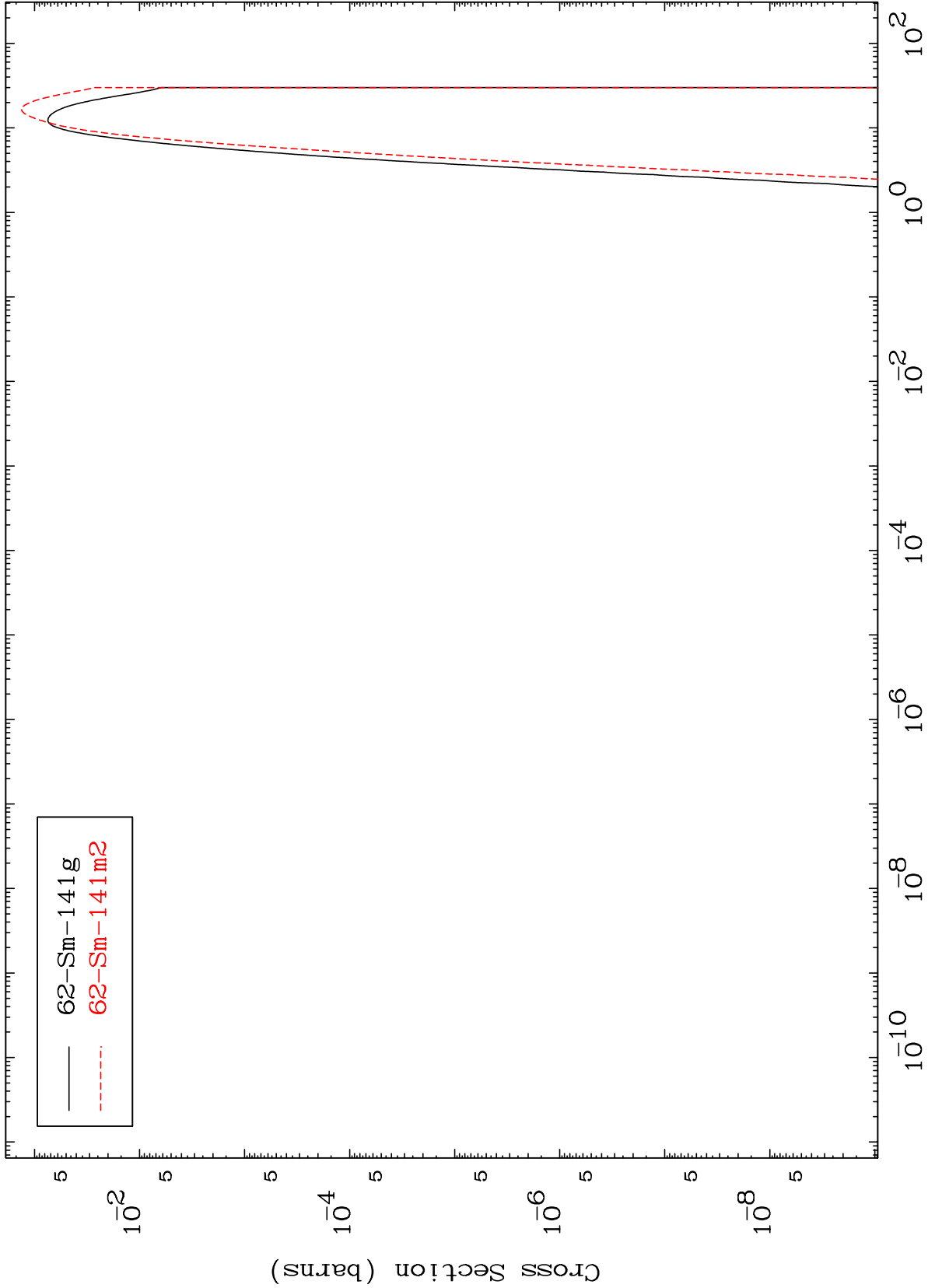


MAT 6395

(n,2p)

64-Gd-142

Radionuclide Production Cross Section



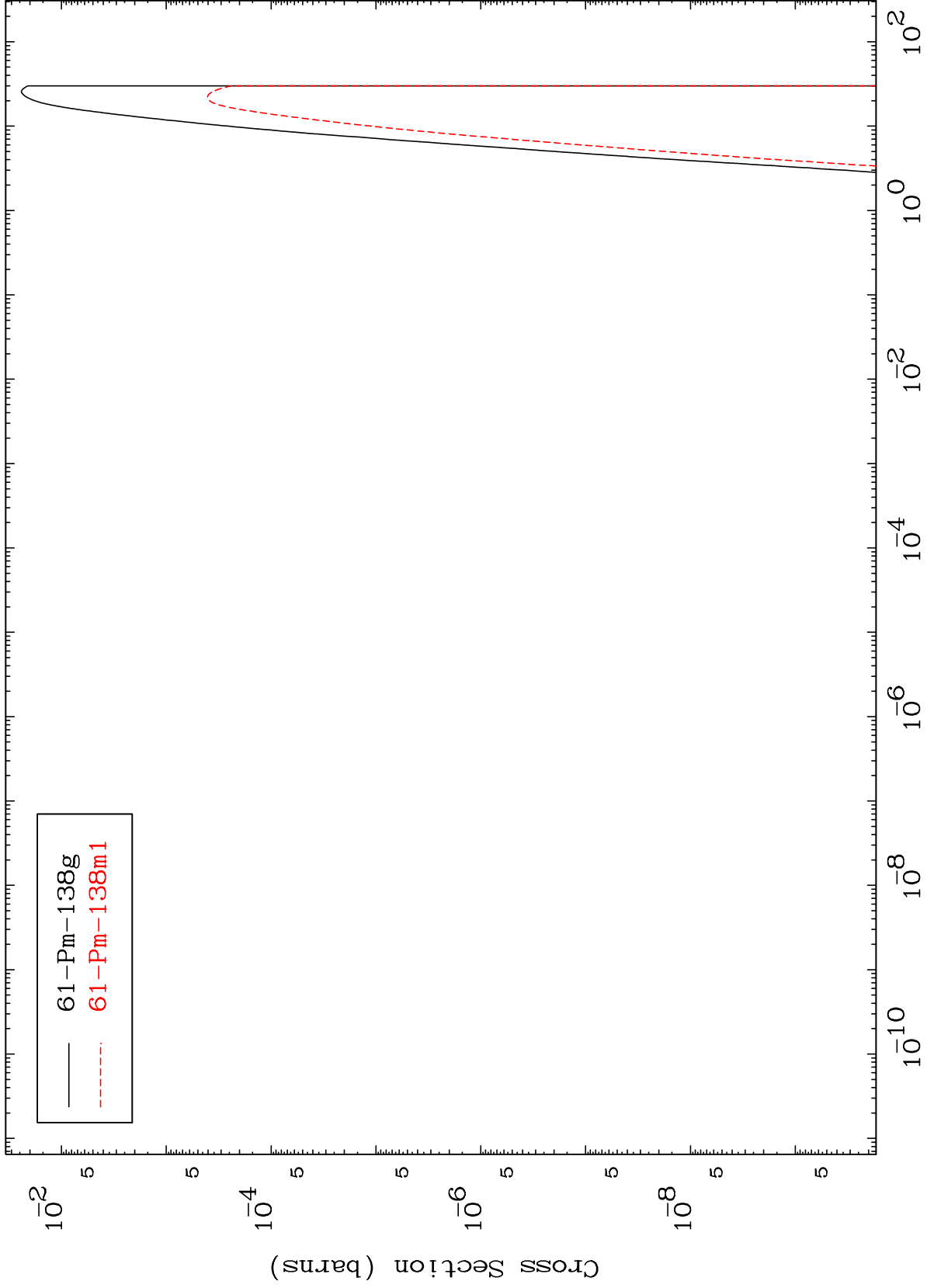
62-Sm-141g
62-Sm-141m2

MAT 6395

(n,p) α

64-Gd-142

Radionuclide Production Cross Section

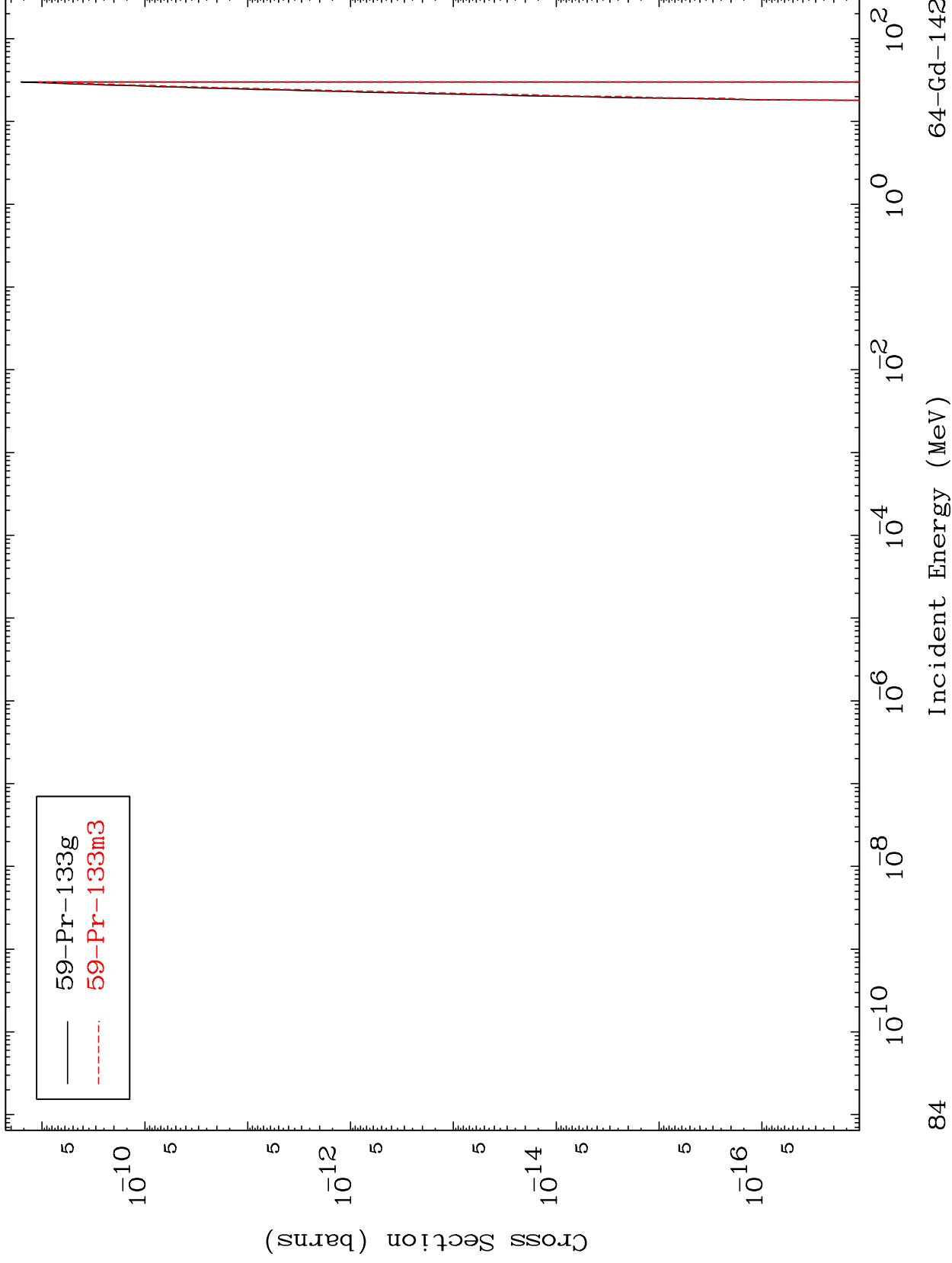


MAT 6395

(n,d) 2 α

64-Gd-142

Radionuclide Production Cross Section



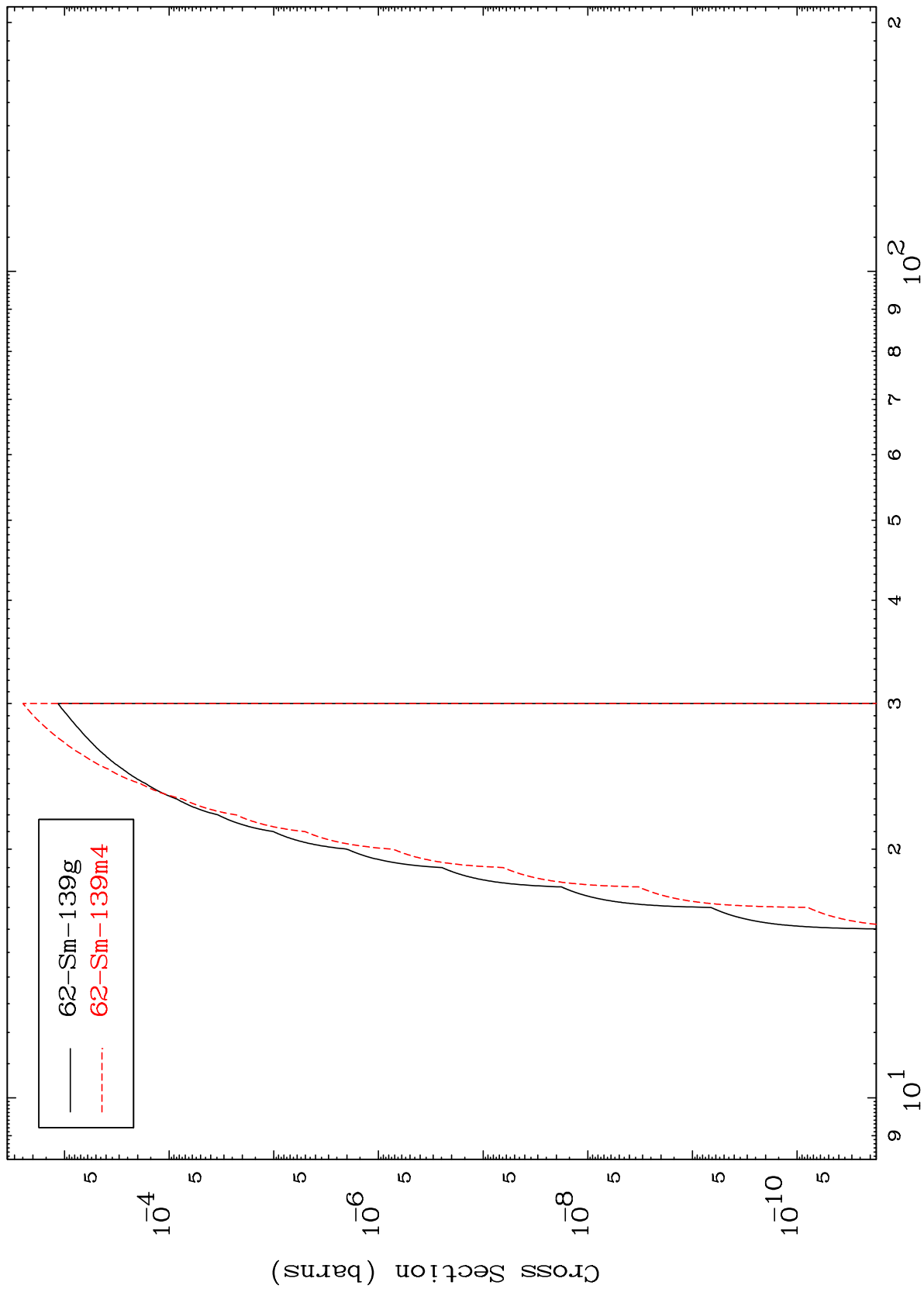
59-Pr-133g
59-Pr-133m3

MAT 6395

(n,p) t

64-Gd-142

Radionuclide Production Cross Section



85

Incident Energy (MeV)

64-Gd-142