

Program EVALPLOT
(Version 2021-1)

by

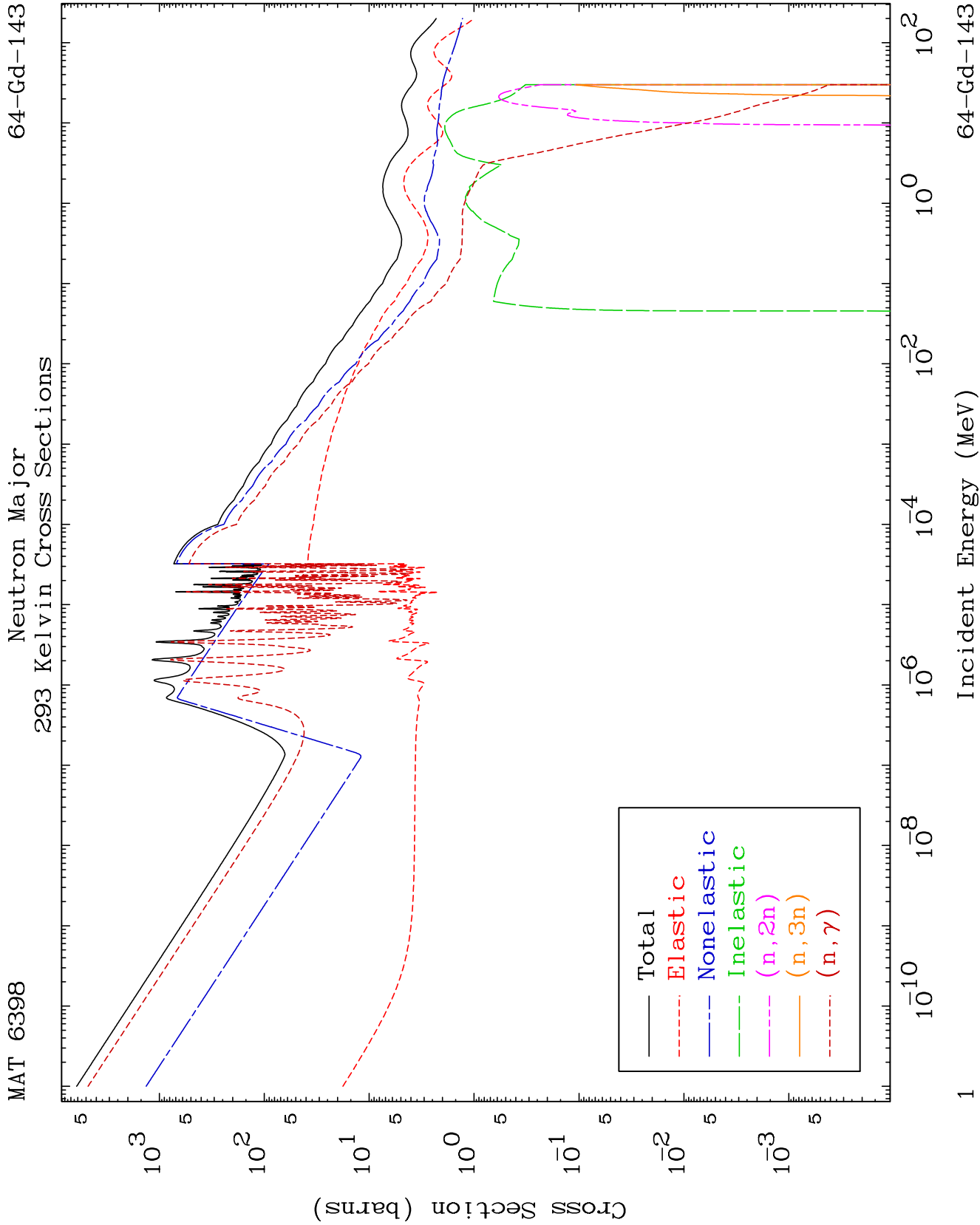
Dermott E. Cullen
(Present Contact Information)

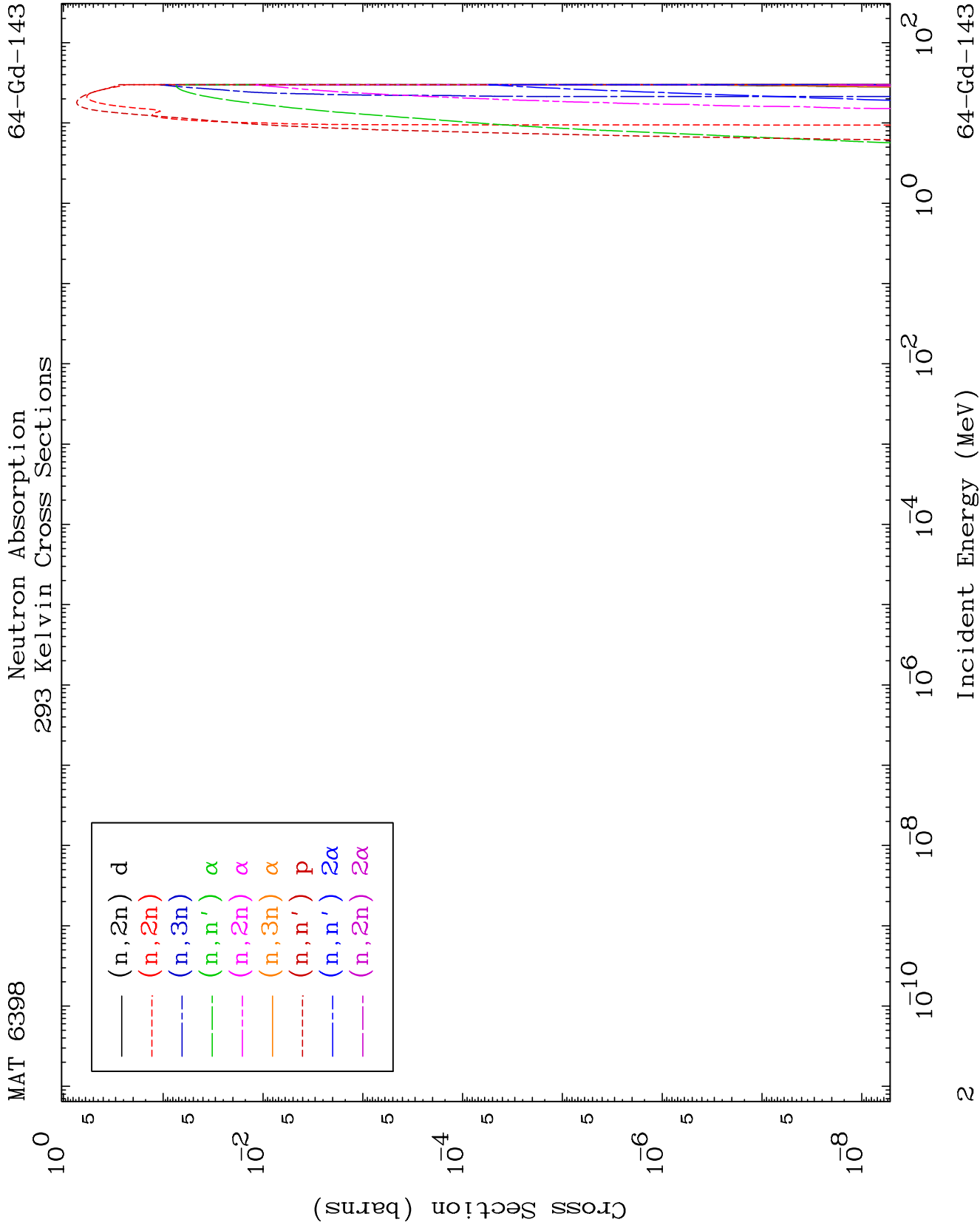
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
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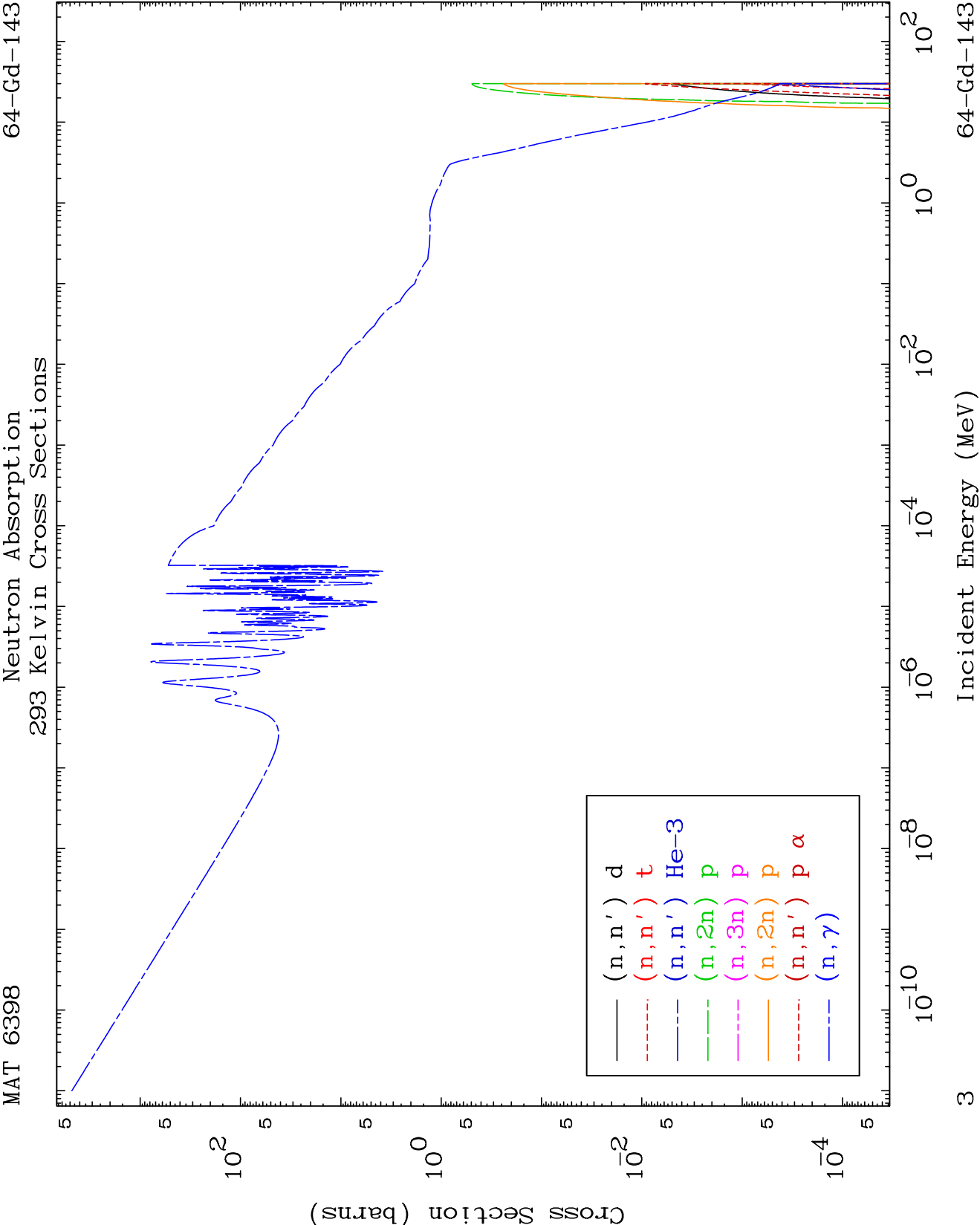
Tele: 925-443-1911

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Press Mouse Button to Start



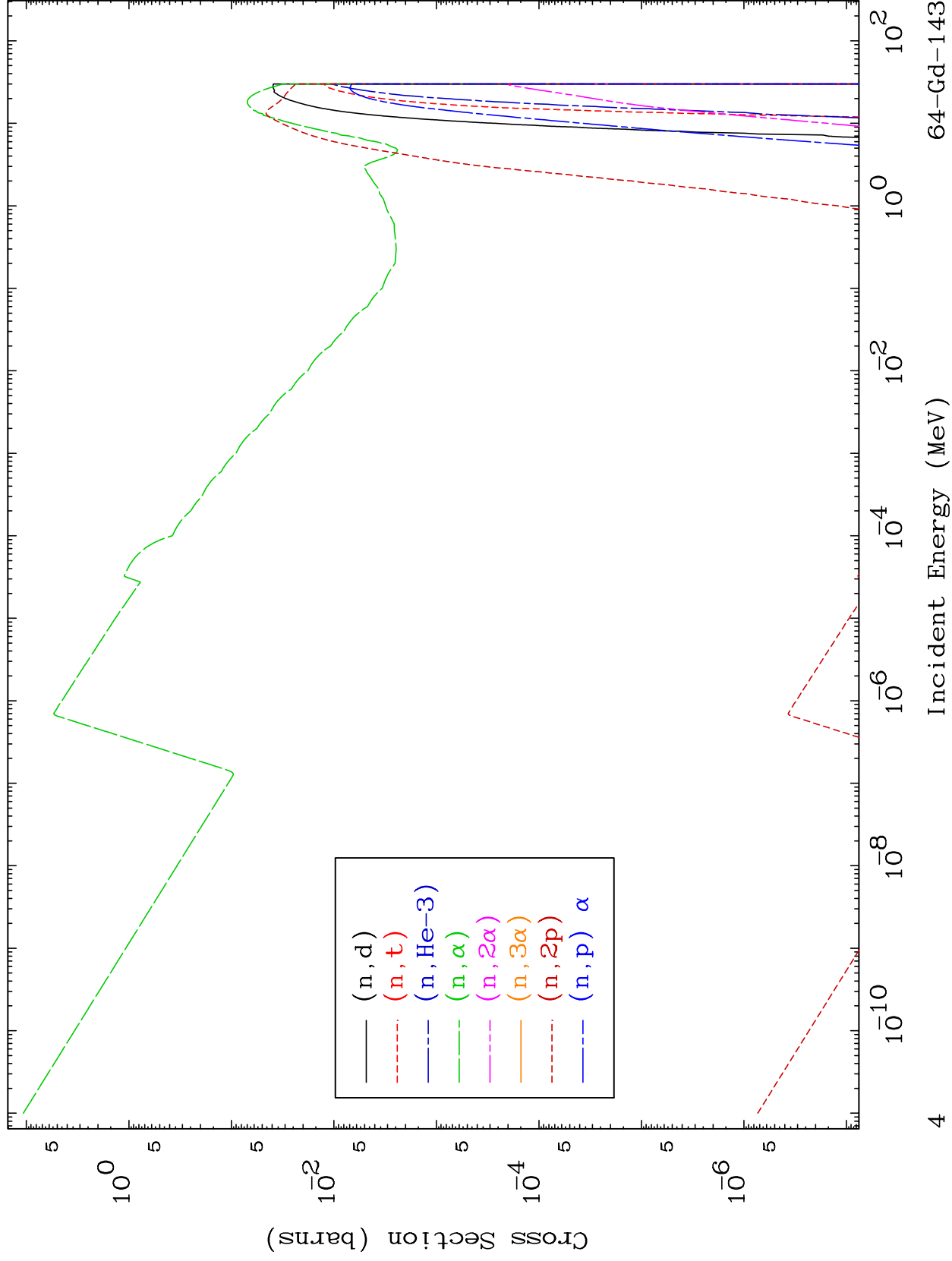




MAT 6398

Neutron Absorption
293 Kelvin Cross Sections

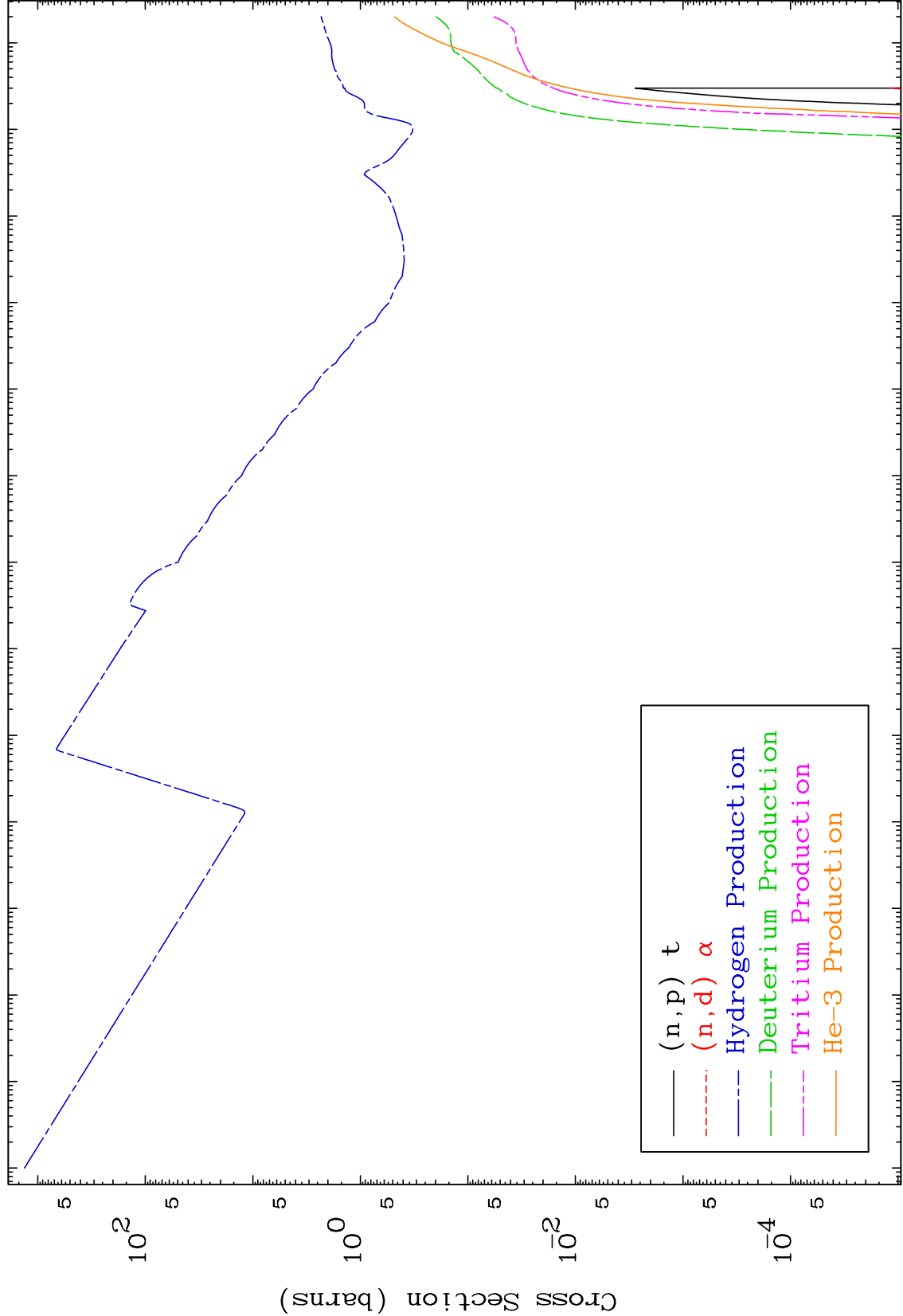
64-Gd-143

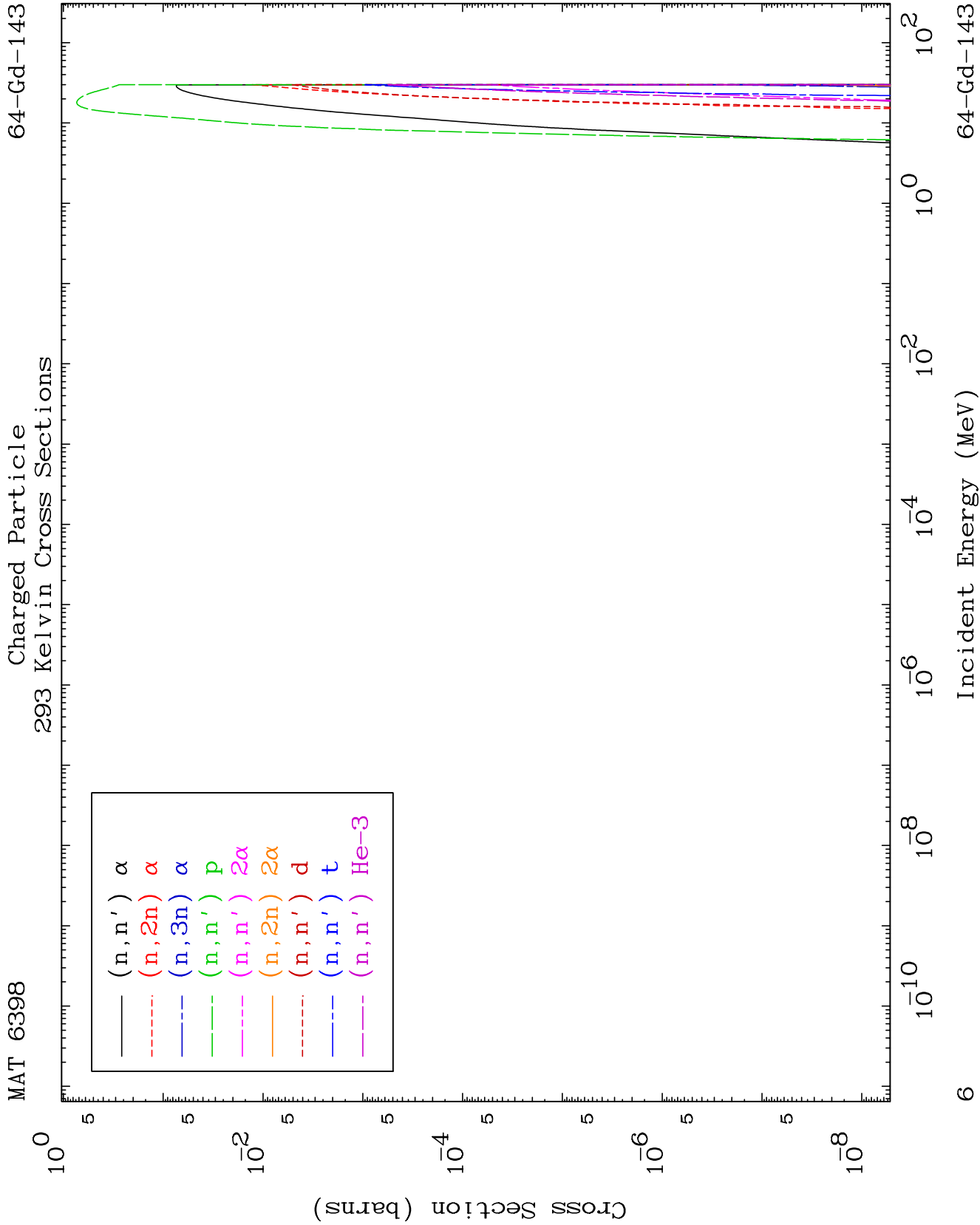


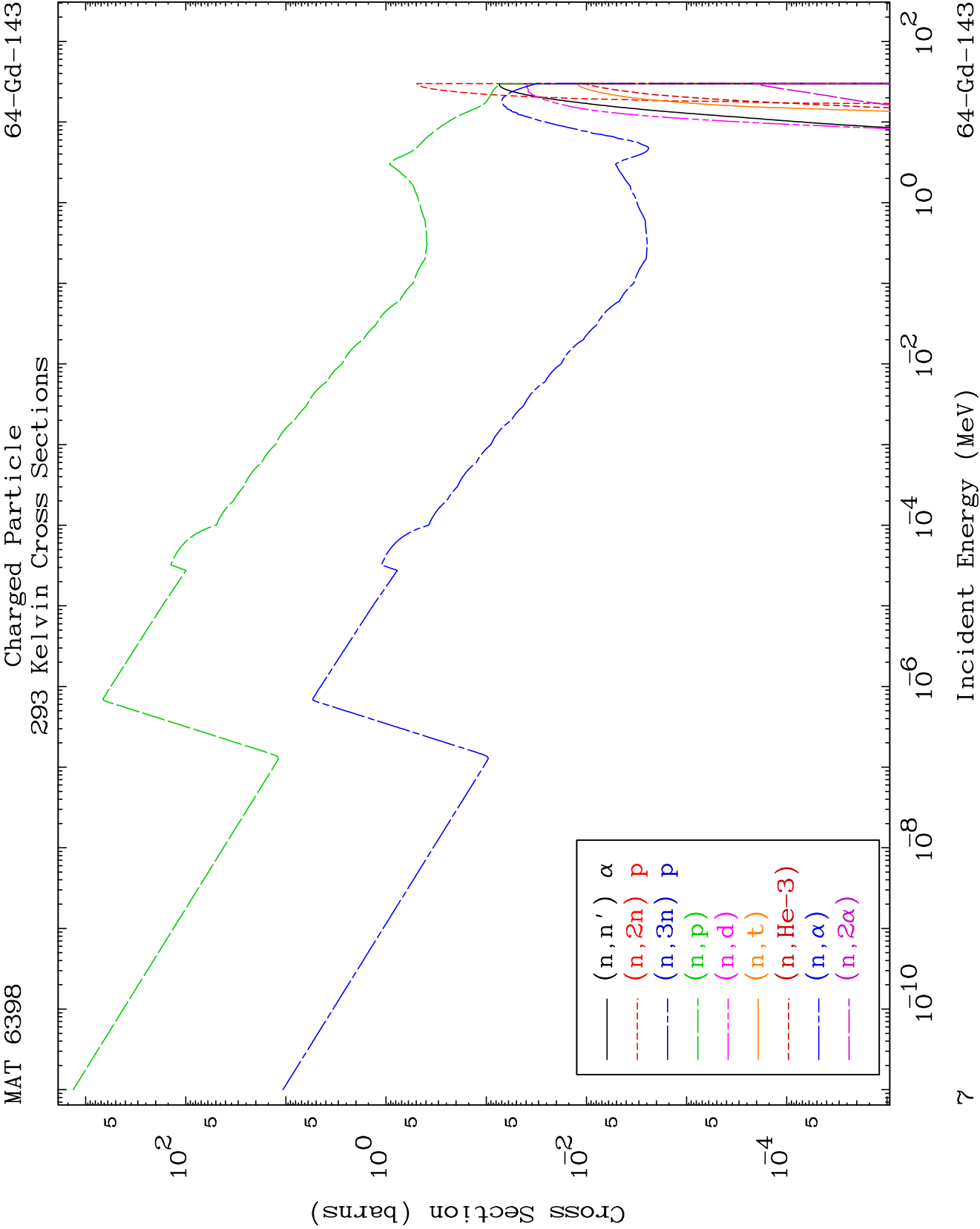
MAT 6398

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-143



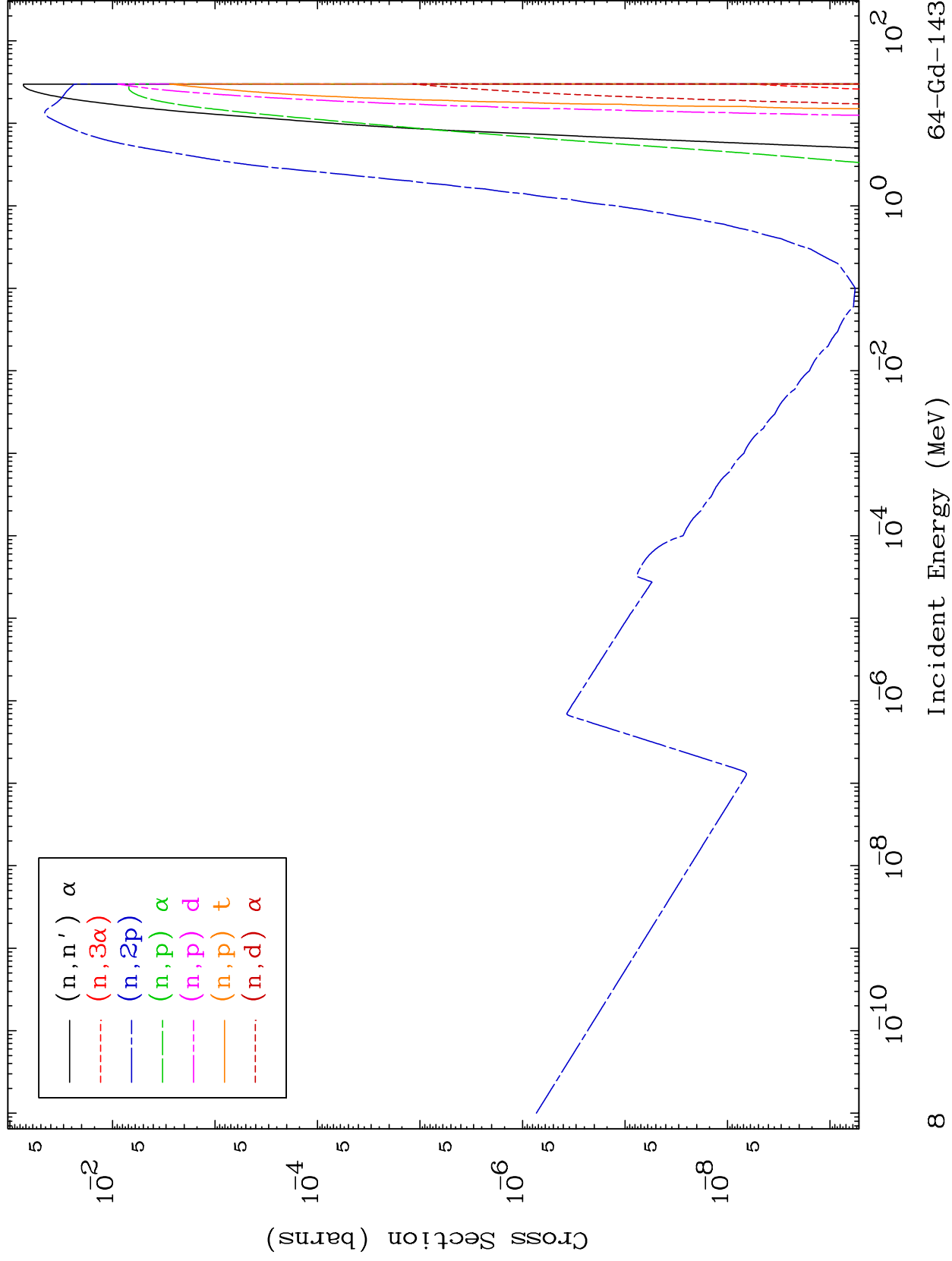


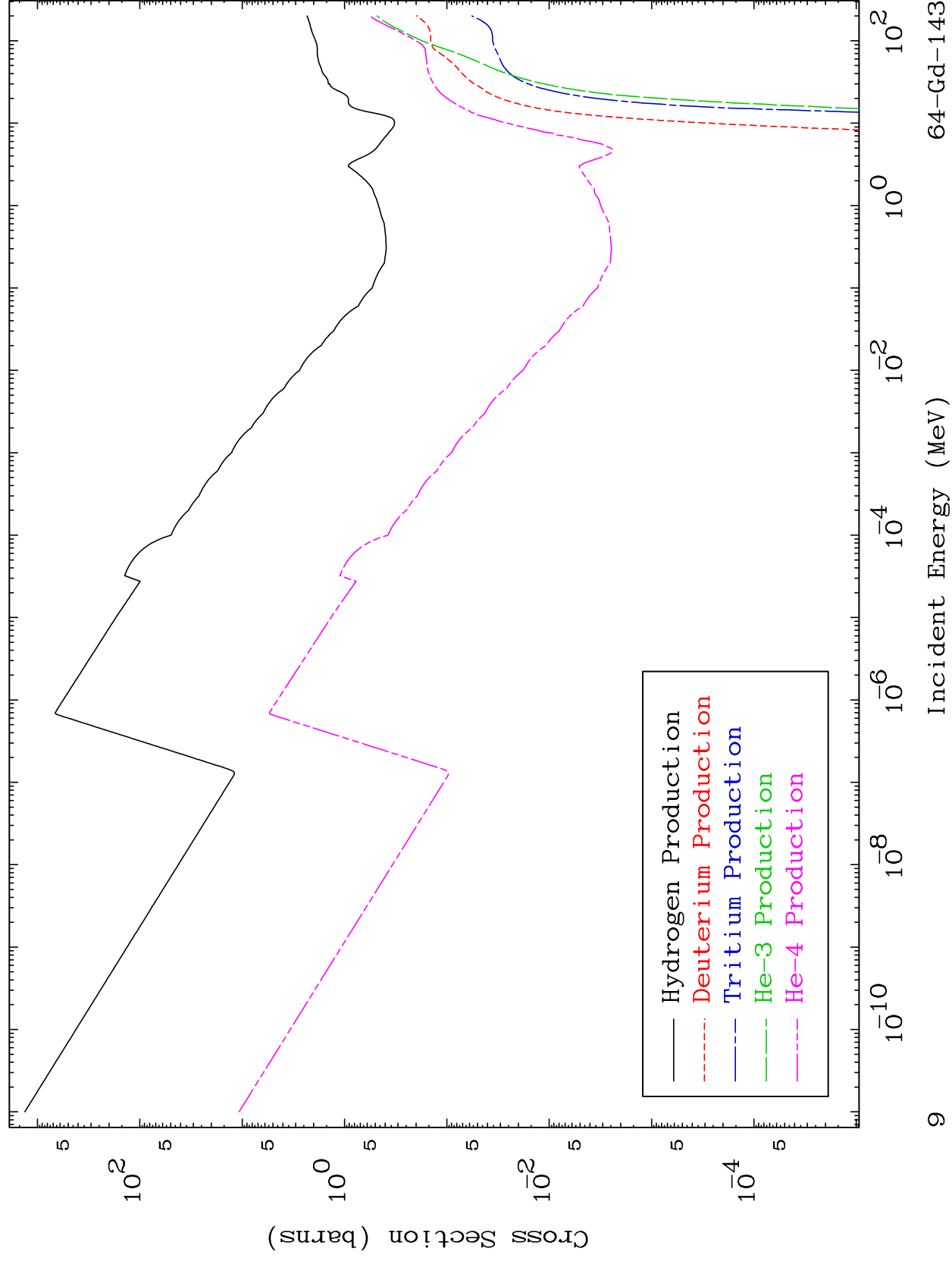


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Charged Particle
293 Kelvin Cross Sections

64-Gd-143

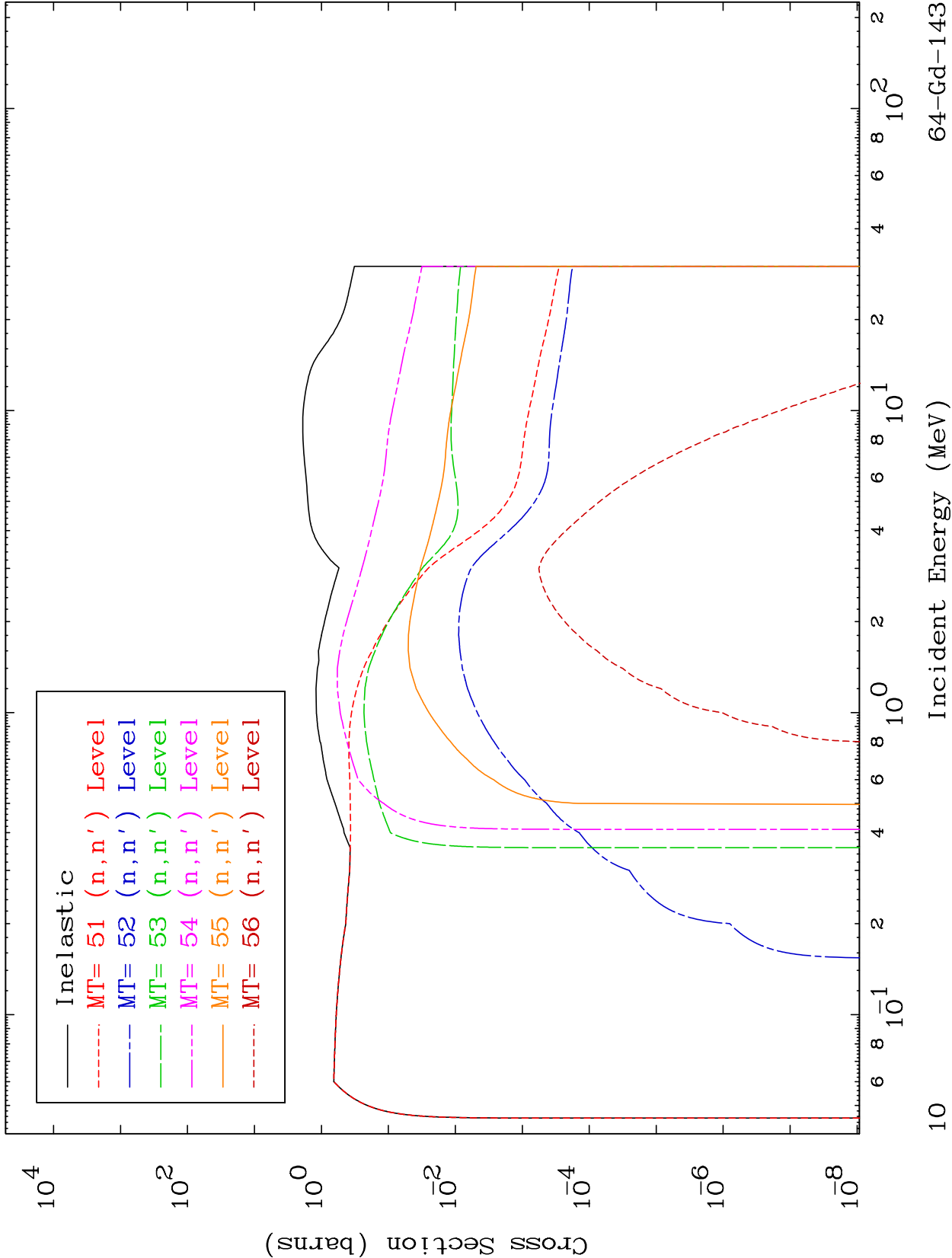


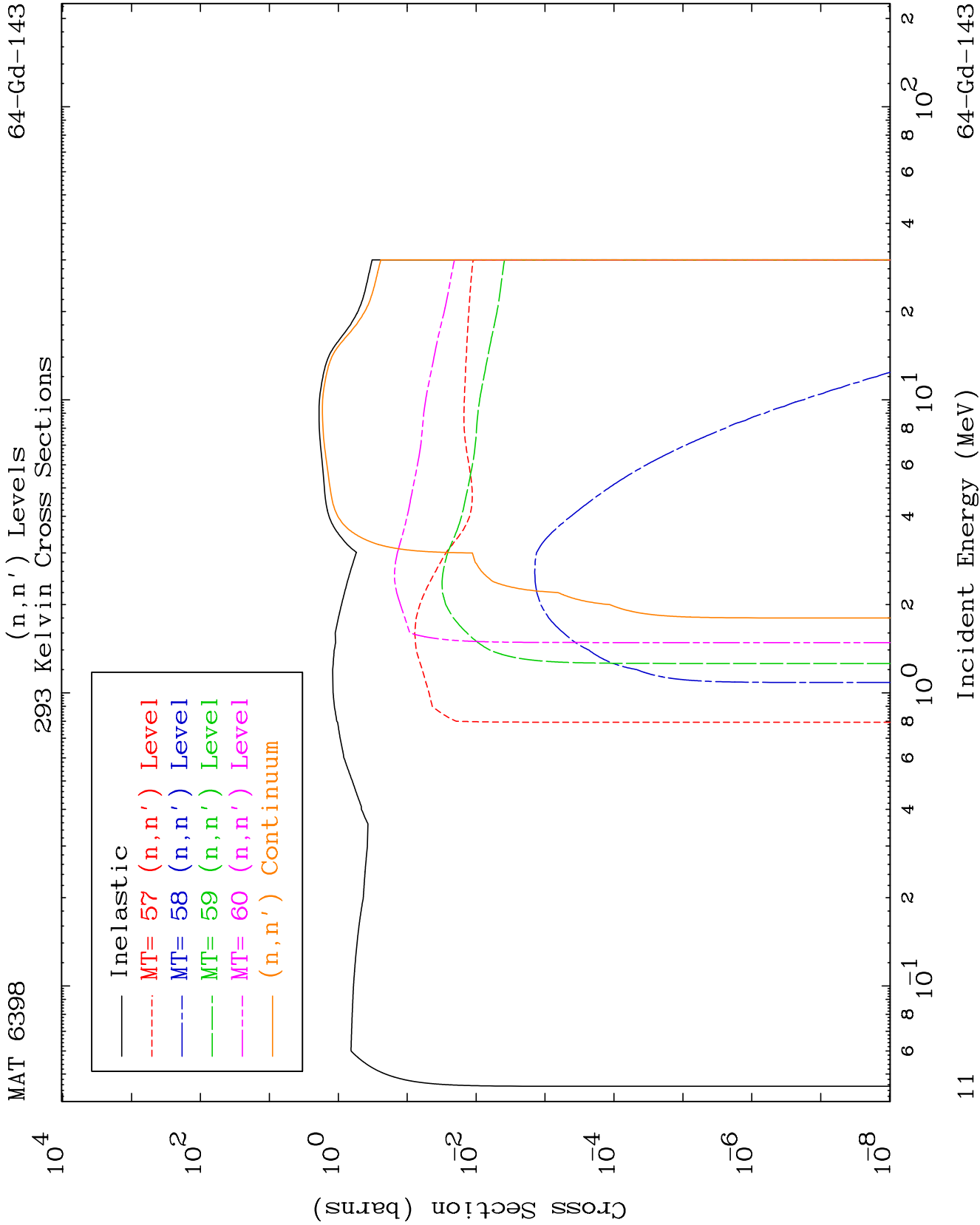


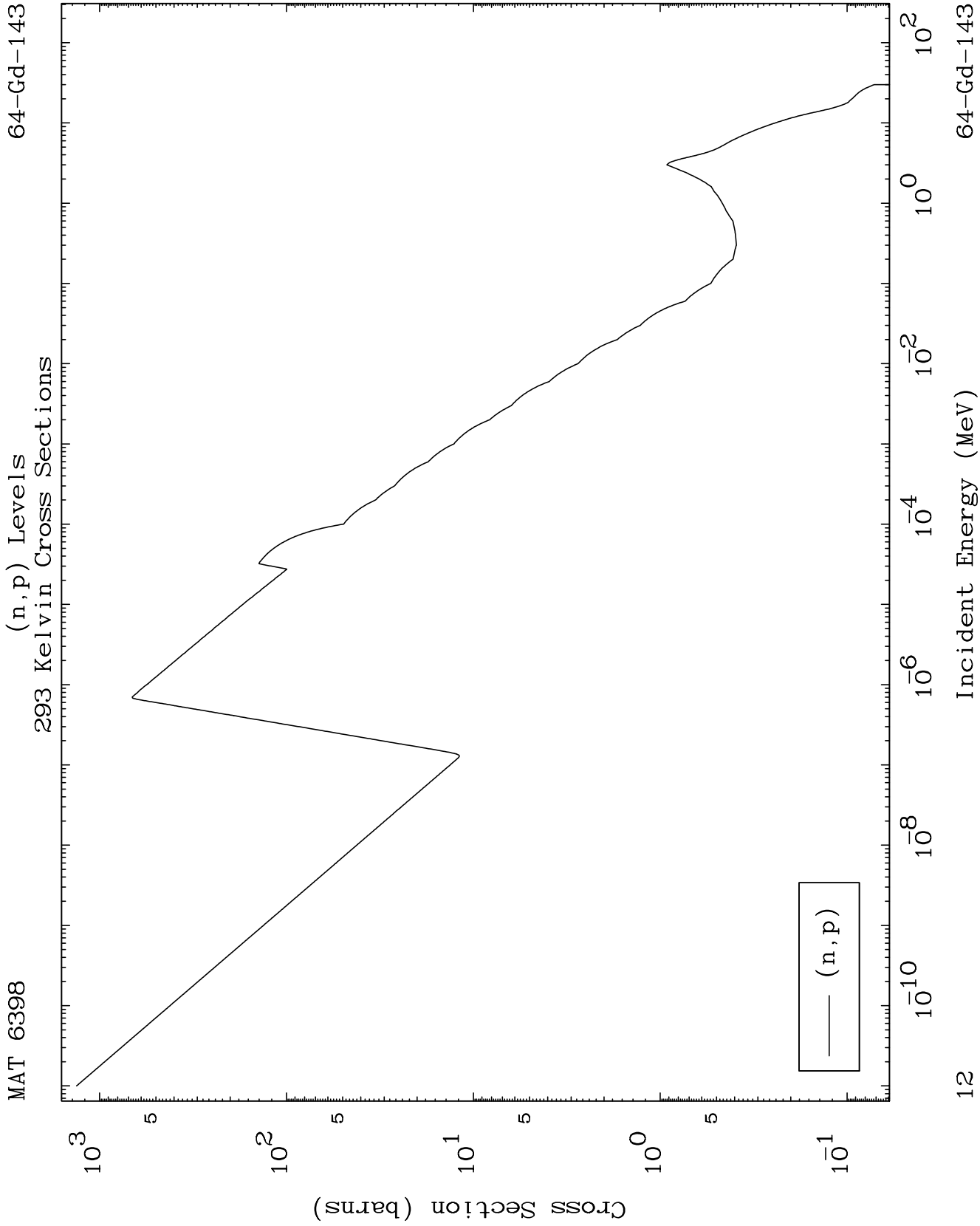
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(n,n') Levels
293 Kelvin Cross Sections

64-Gd-143



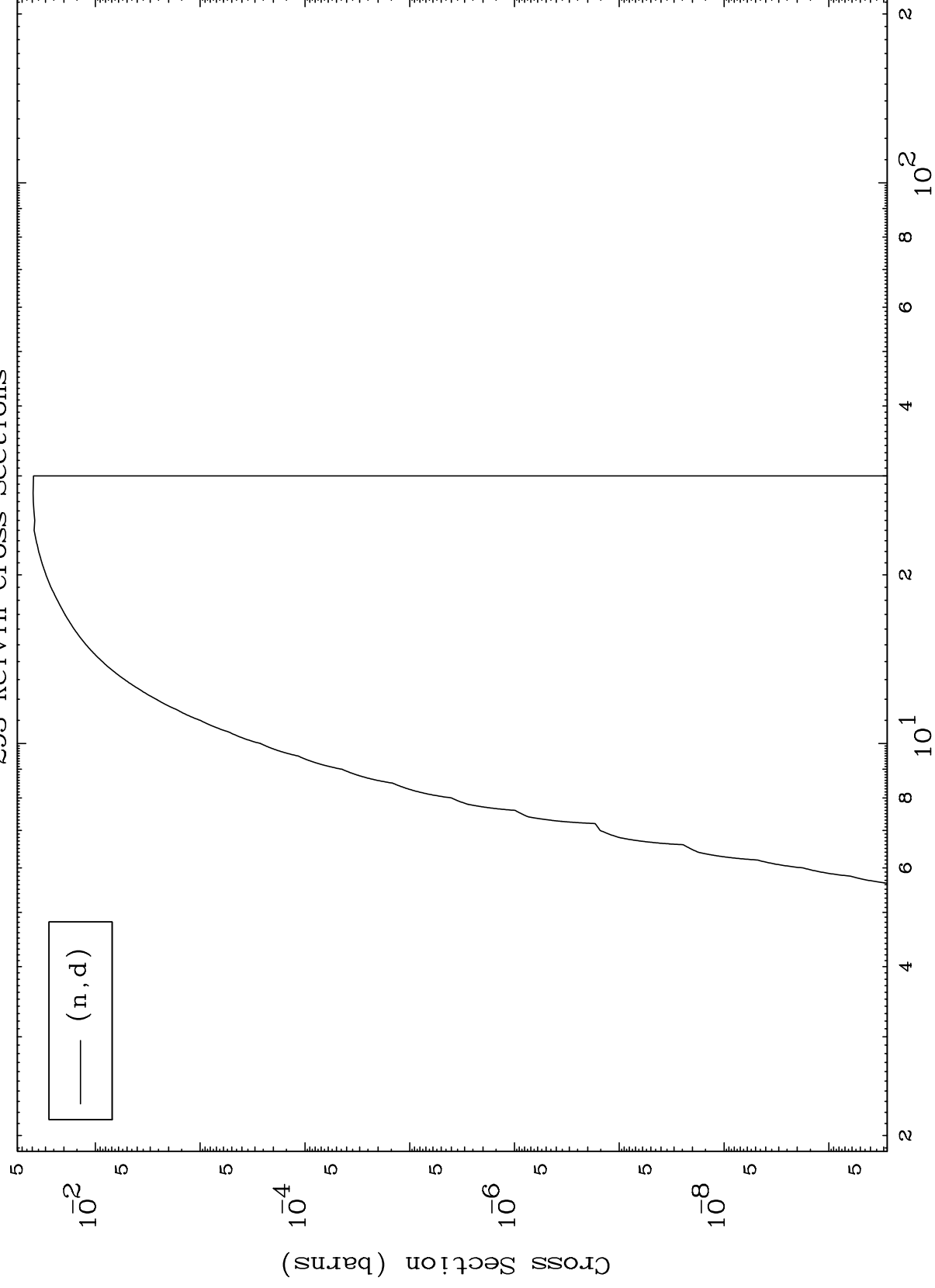




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64-Gd-143

(n,d) Levels
293 Kelvin Cross Sections



13

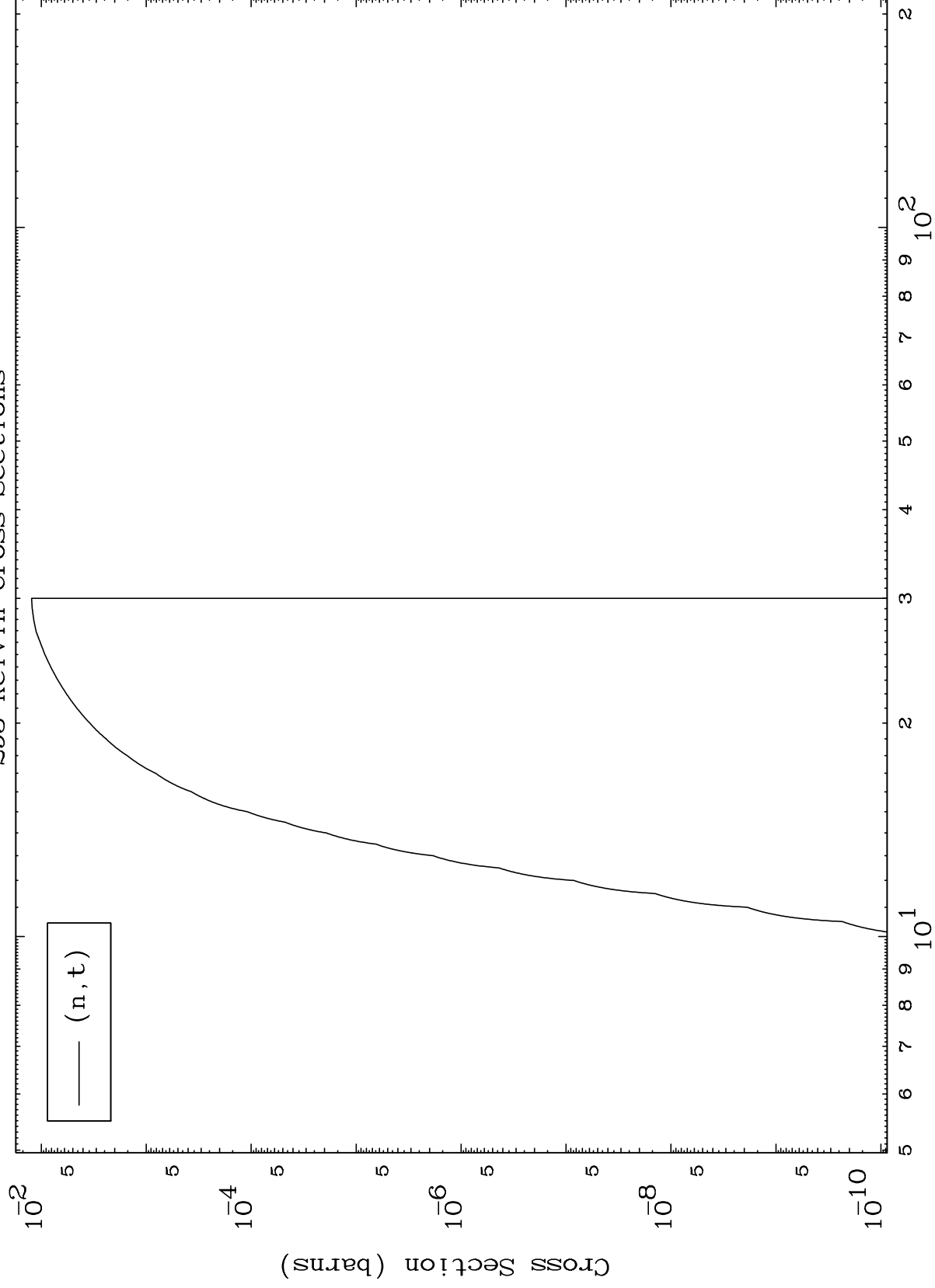
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(n,t) Levels
293 Kelvin Cross Sections



14

Incident Energy (MeV)

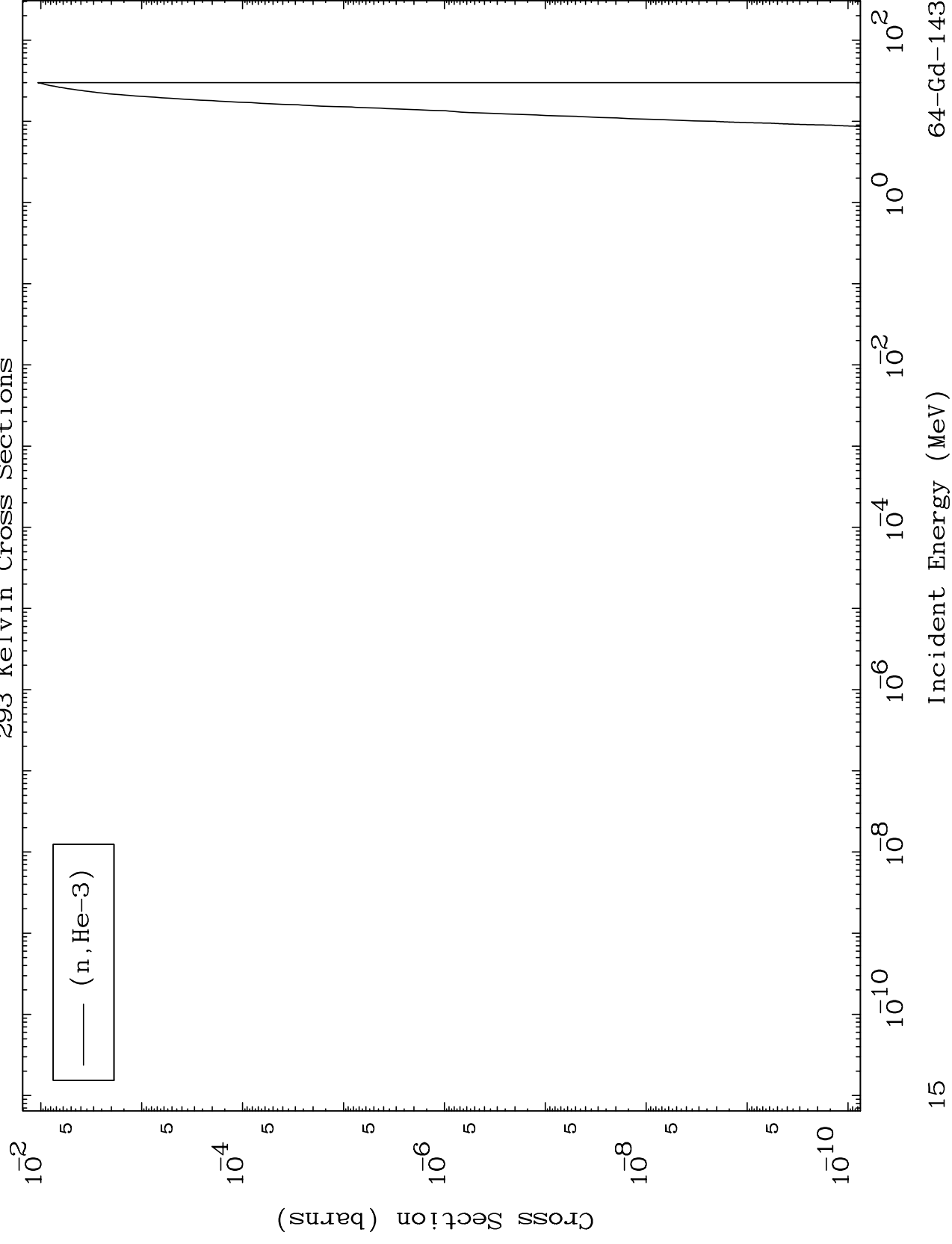
64-Gd-143

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(n, He3) Levels

64-Gd-143

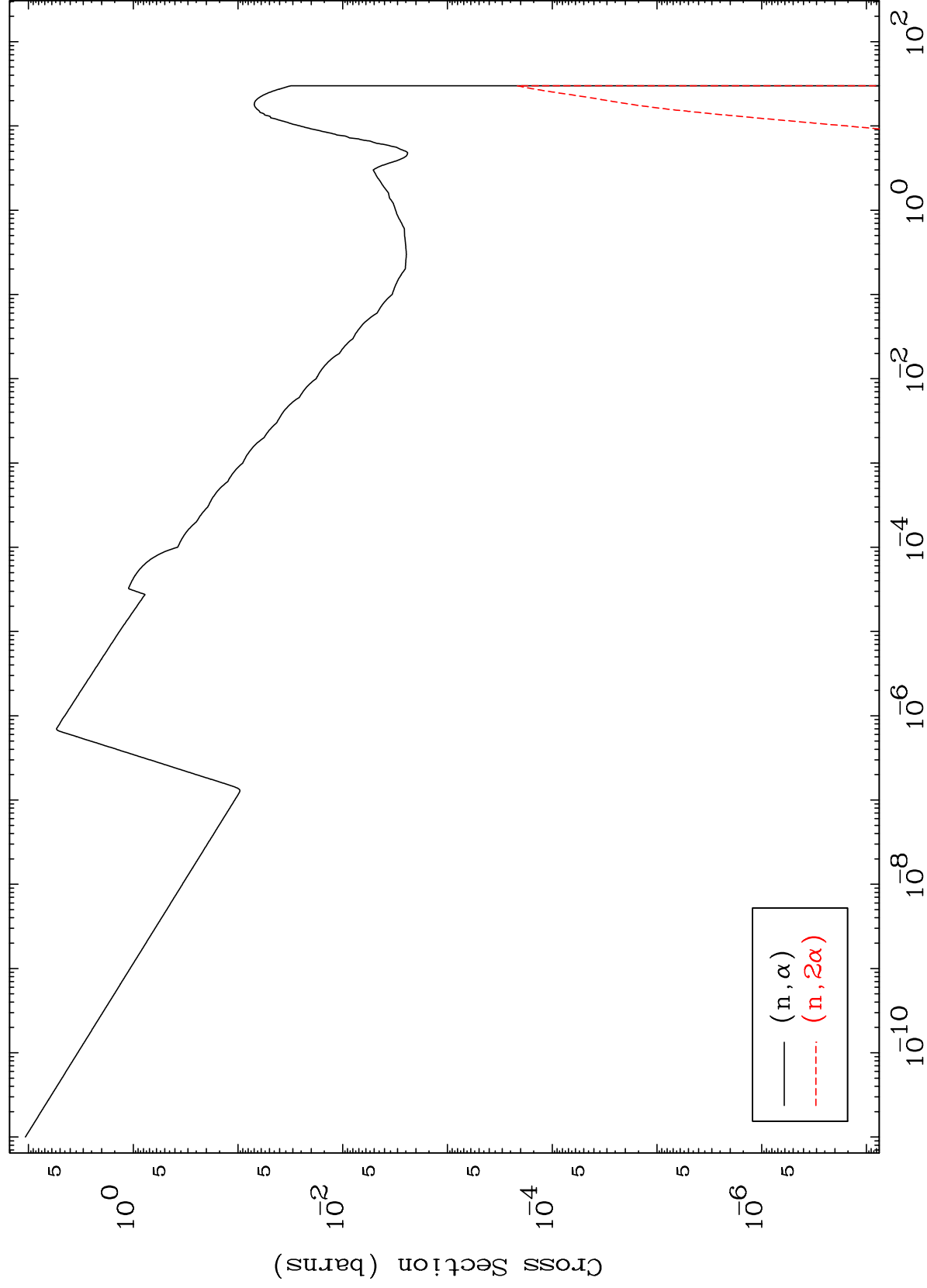
293 Kelvin Cross Sections



MAT 6398

64-Gd-143

(n, α) Levels
293 Kelvin Cross Sections



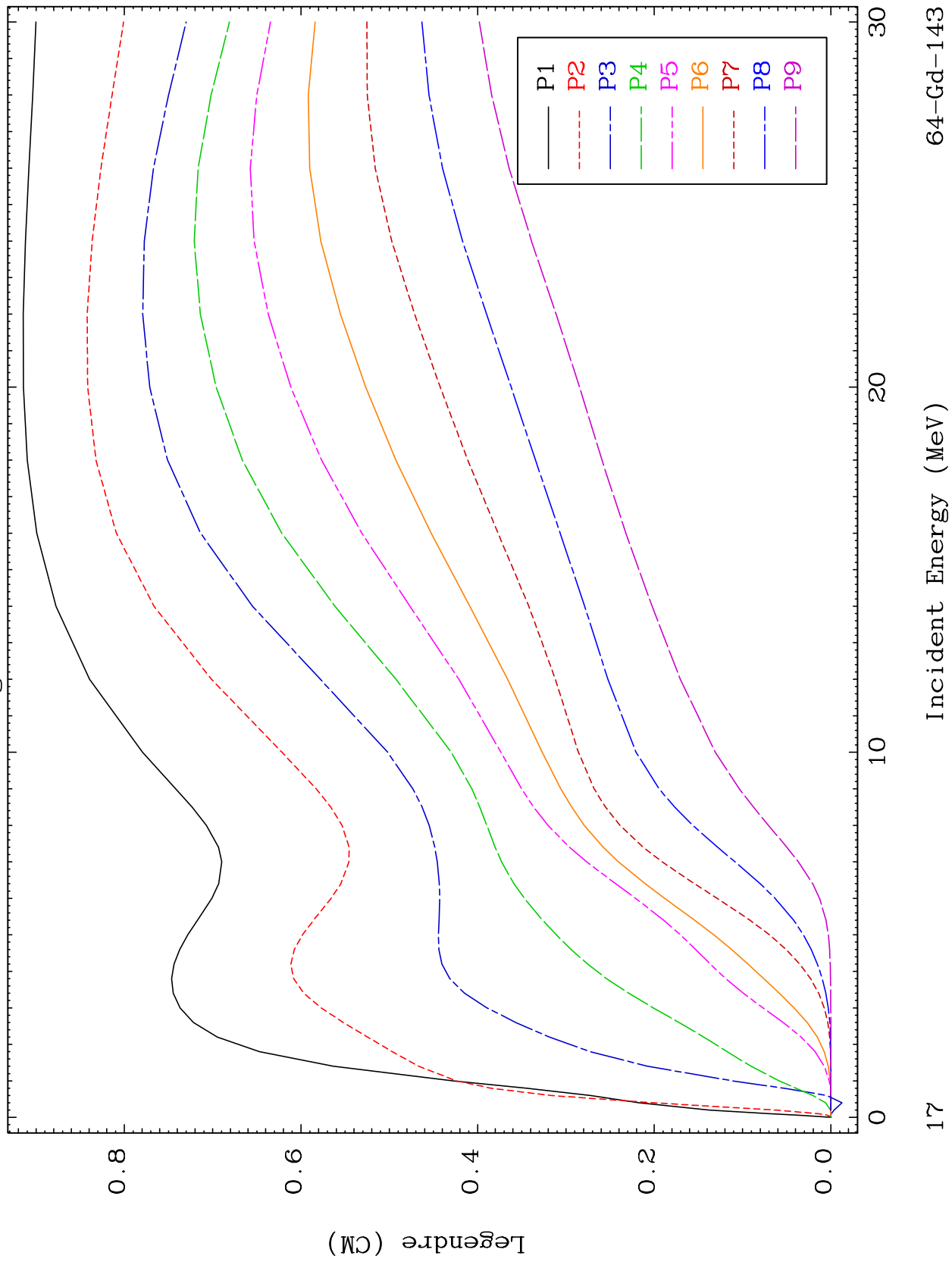
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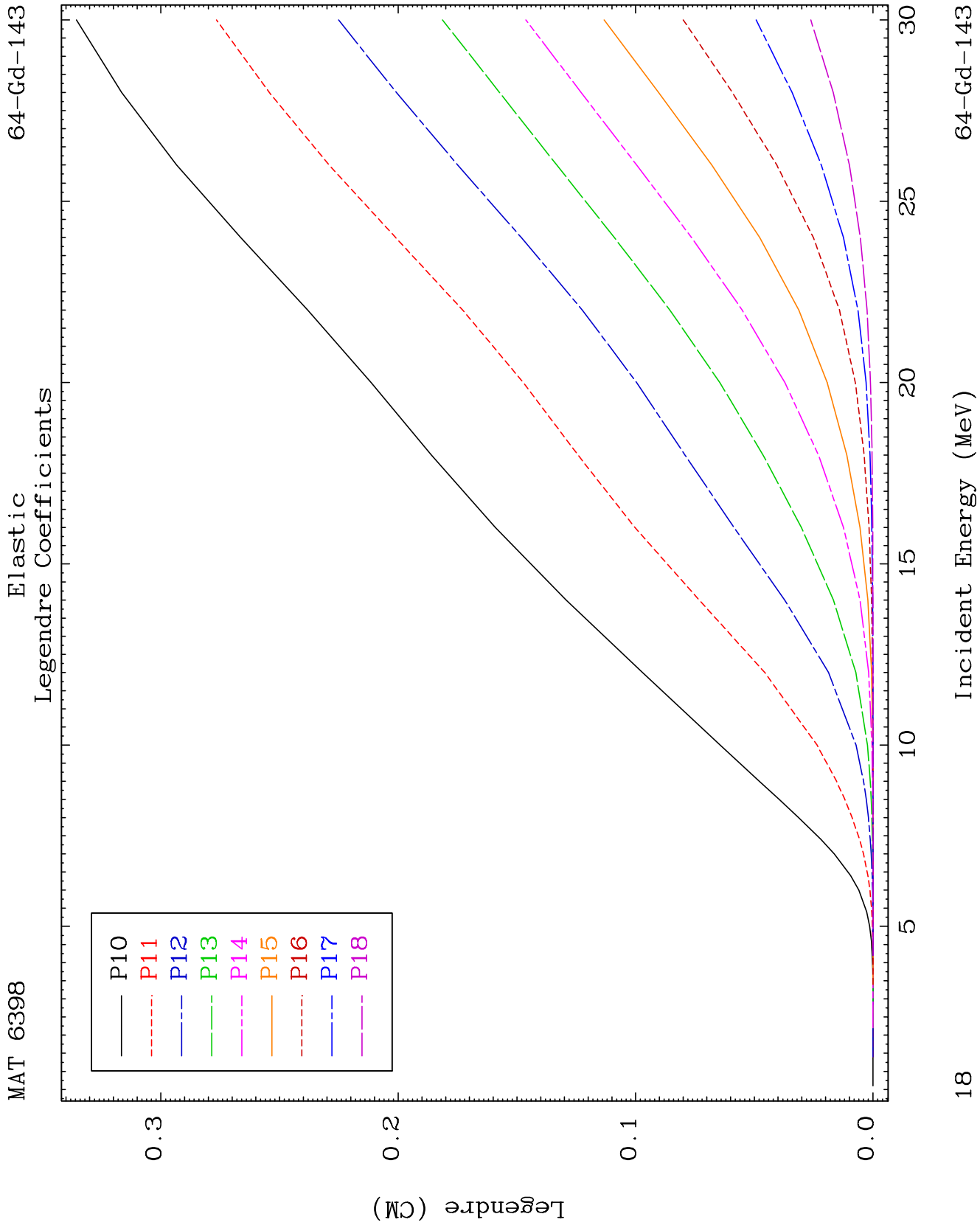
Incident Energy (MeV)

64-Gd-143

64-Gd-143

64-Gd-143

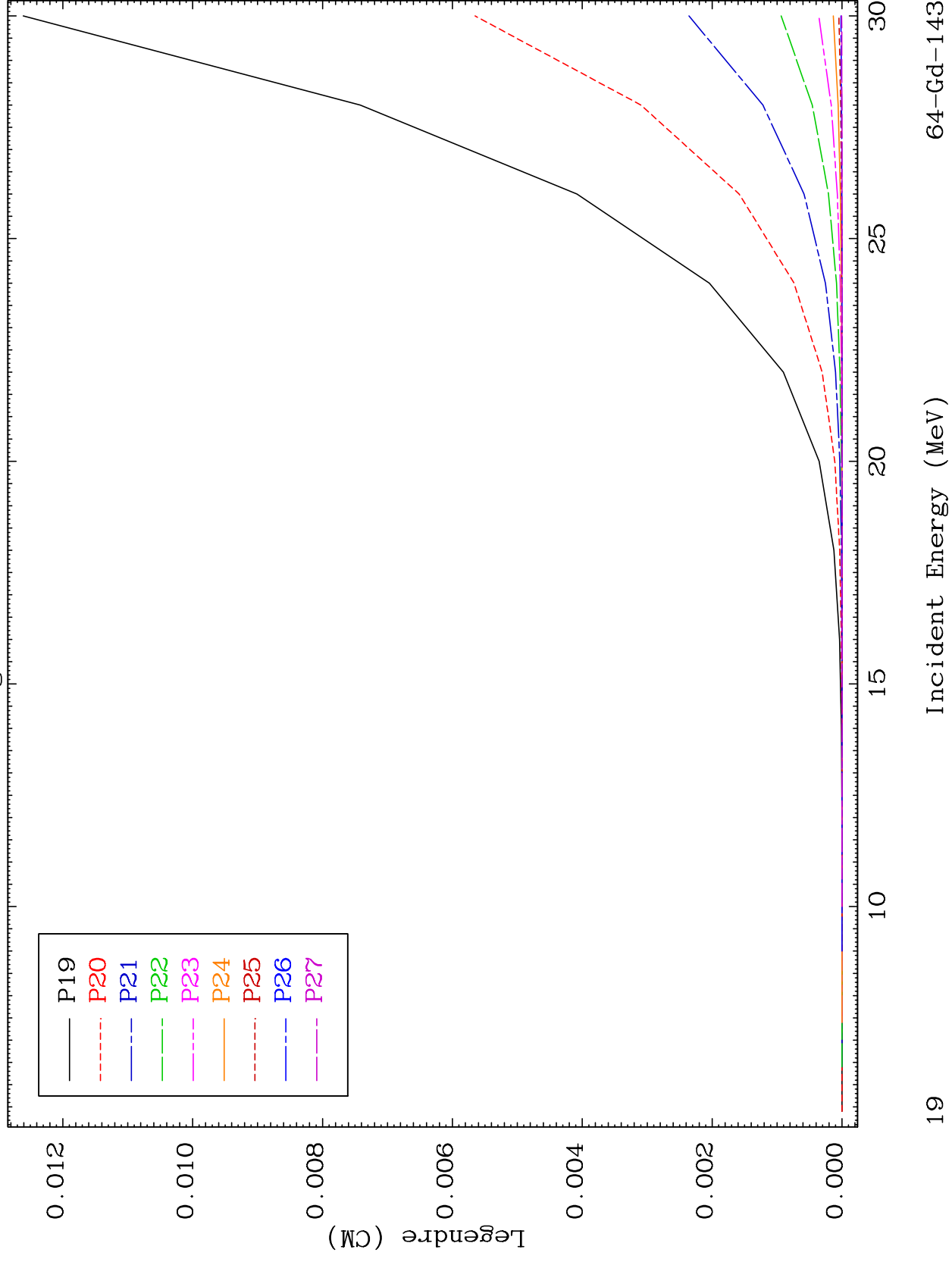


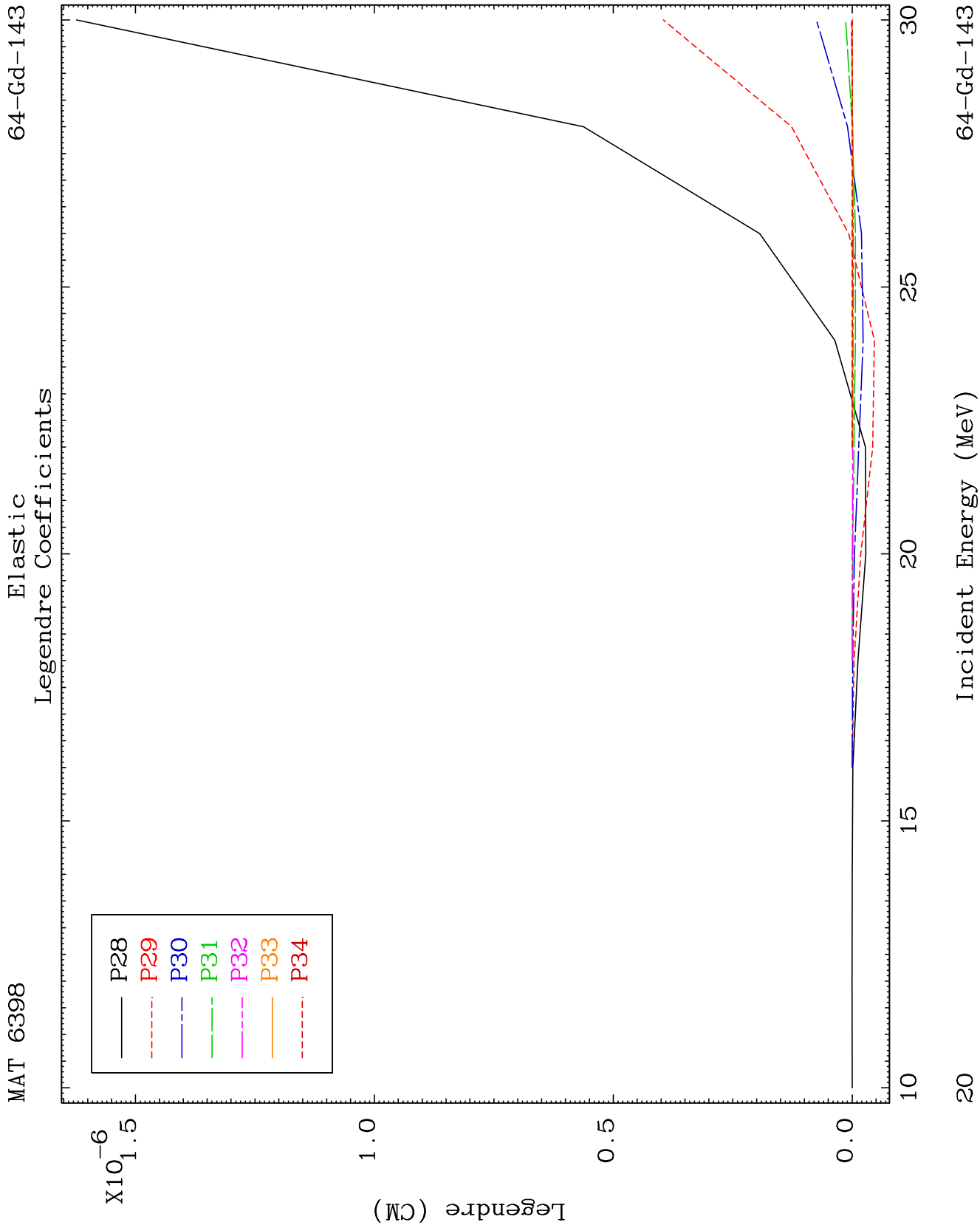


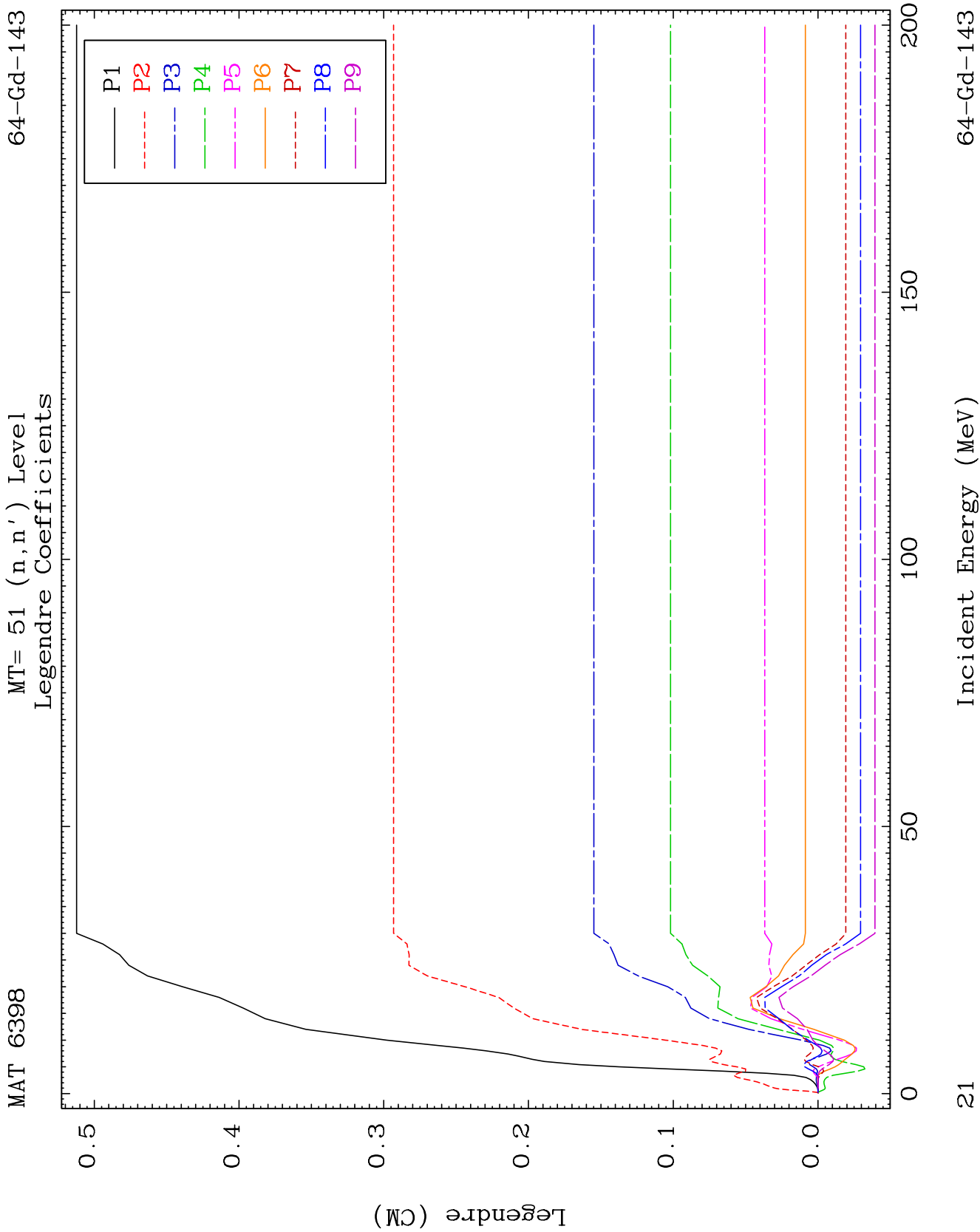
MAT 6398

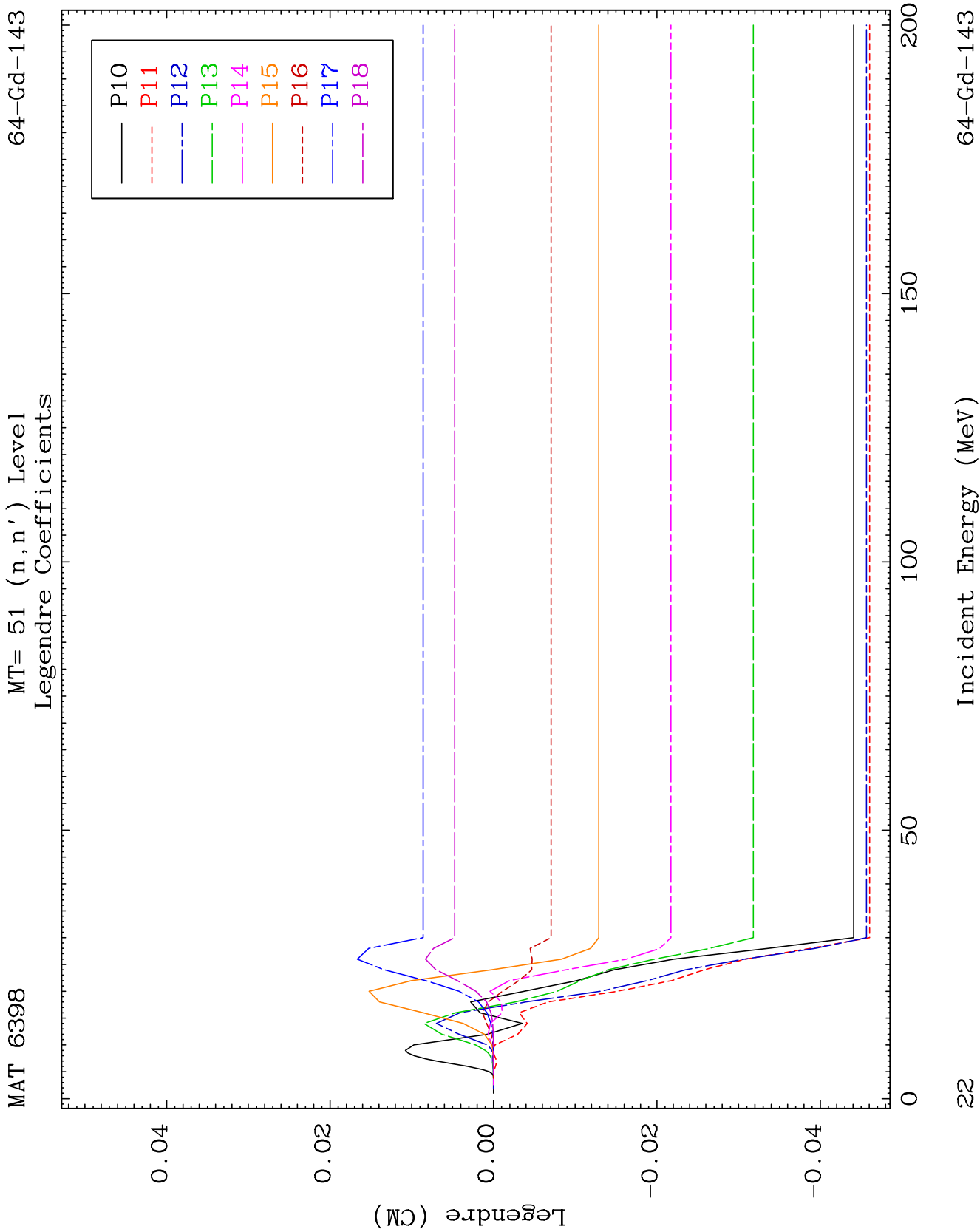
Elastic Legendre Coefficients

64-Gd-143





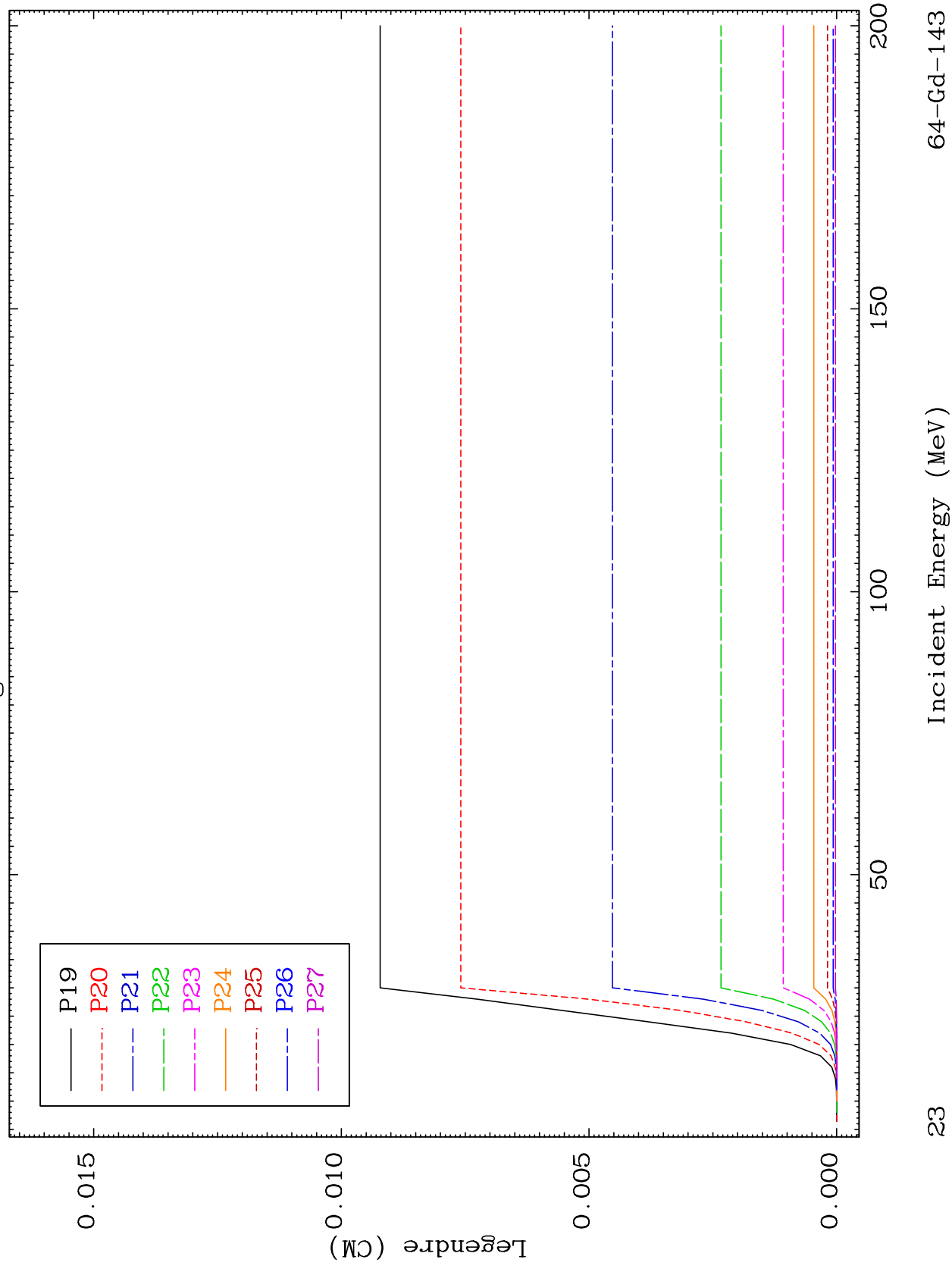




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MT= 51 (n, n') Level
Legendre Coefficients

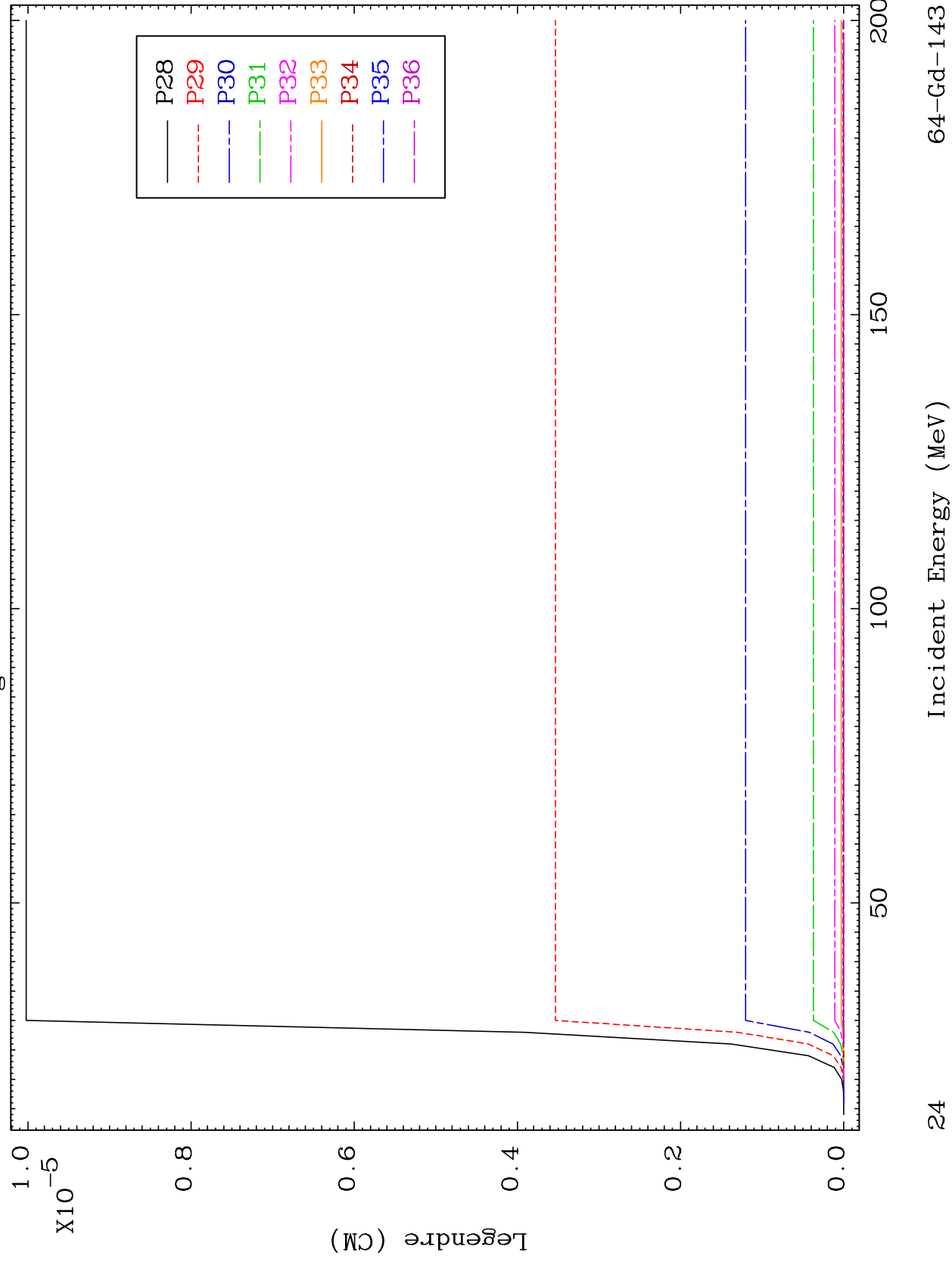
64-Gd-143



MAT 6398

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

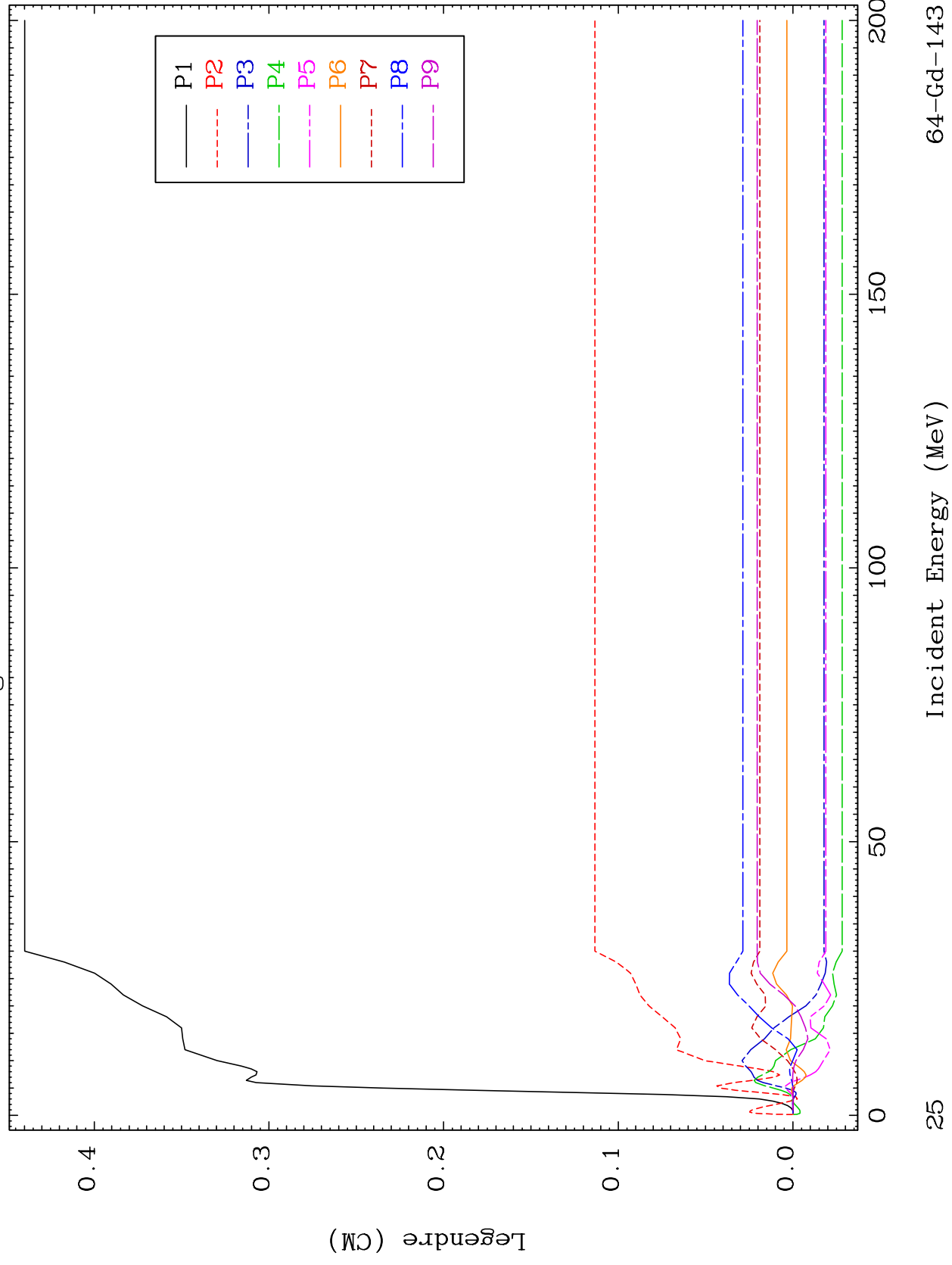
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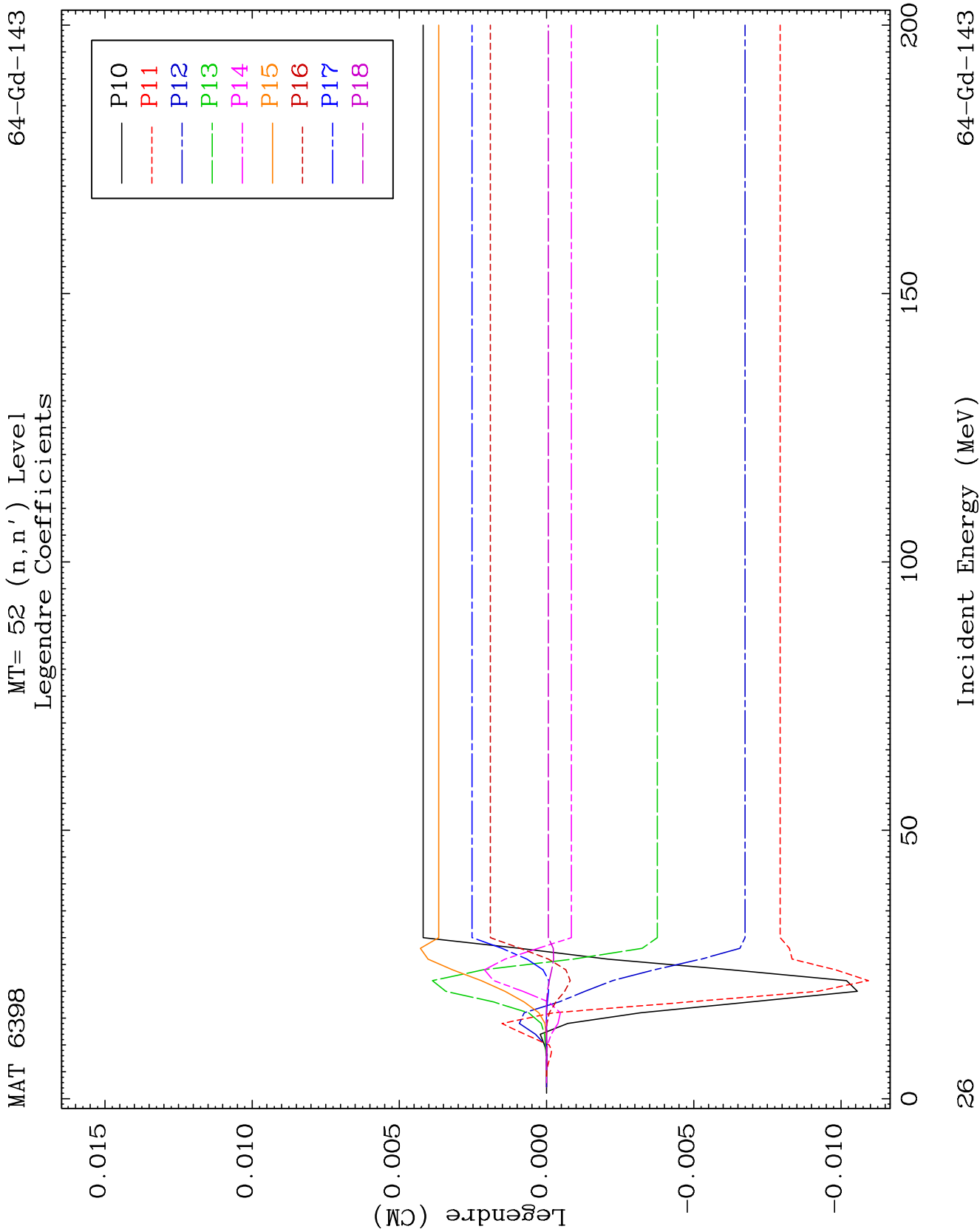


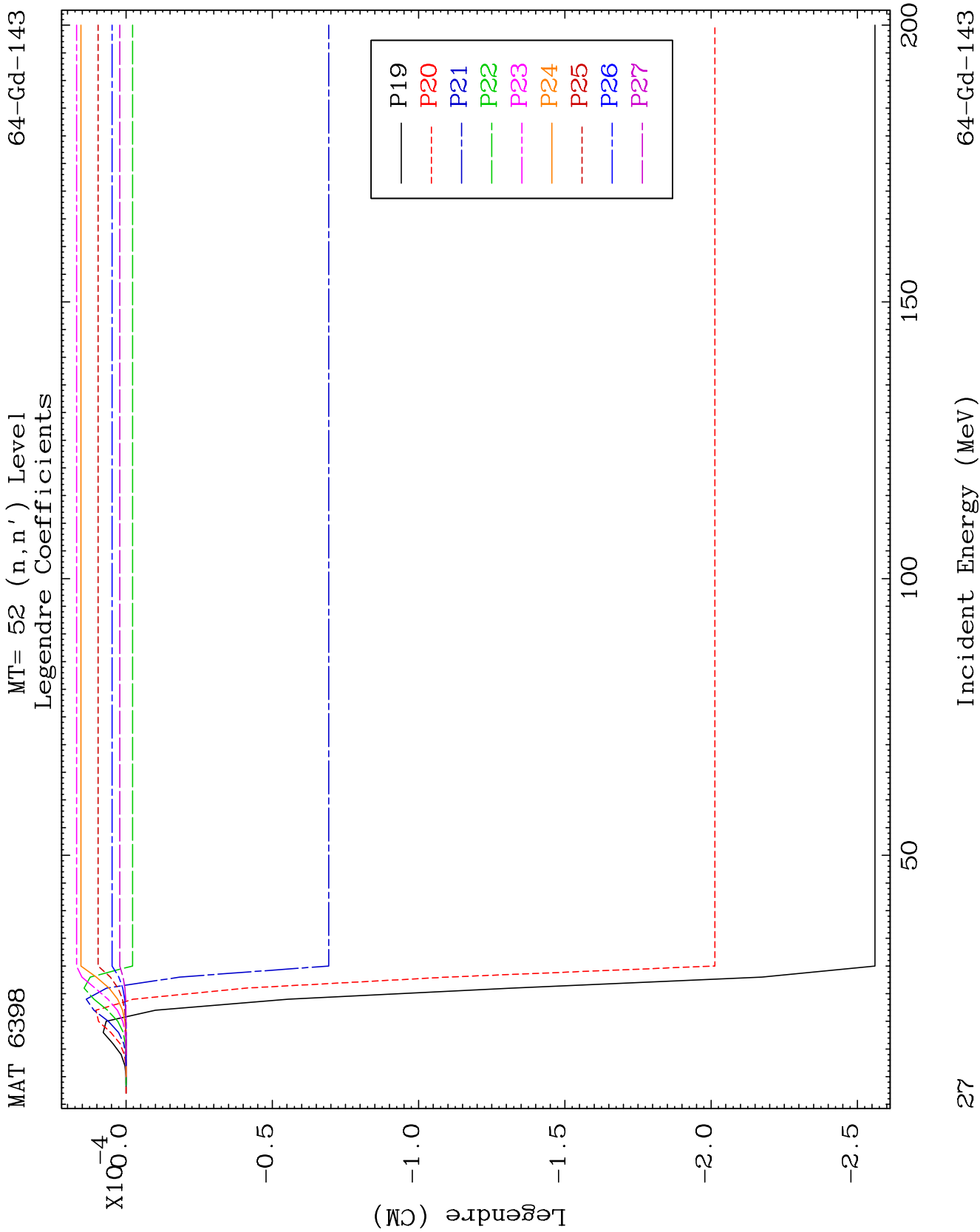
MAT 6398

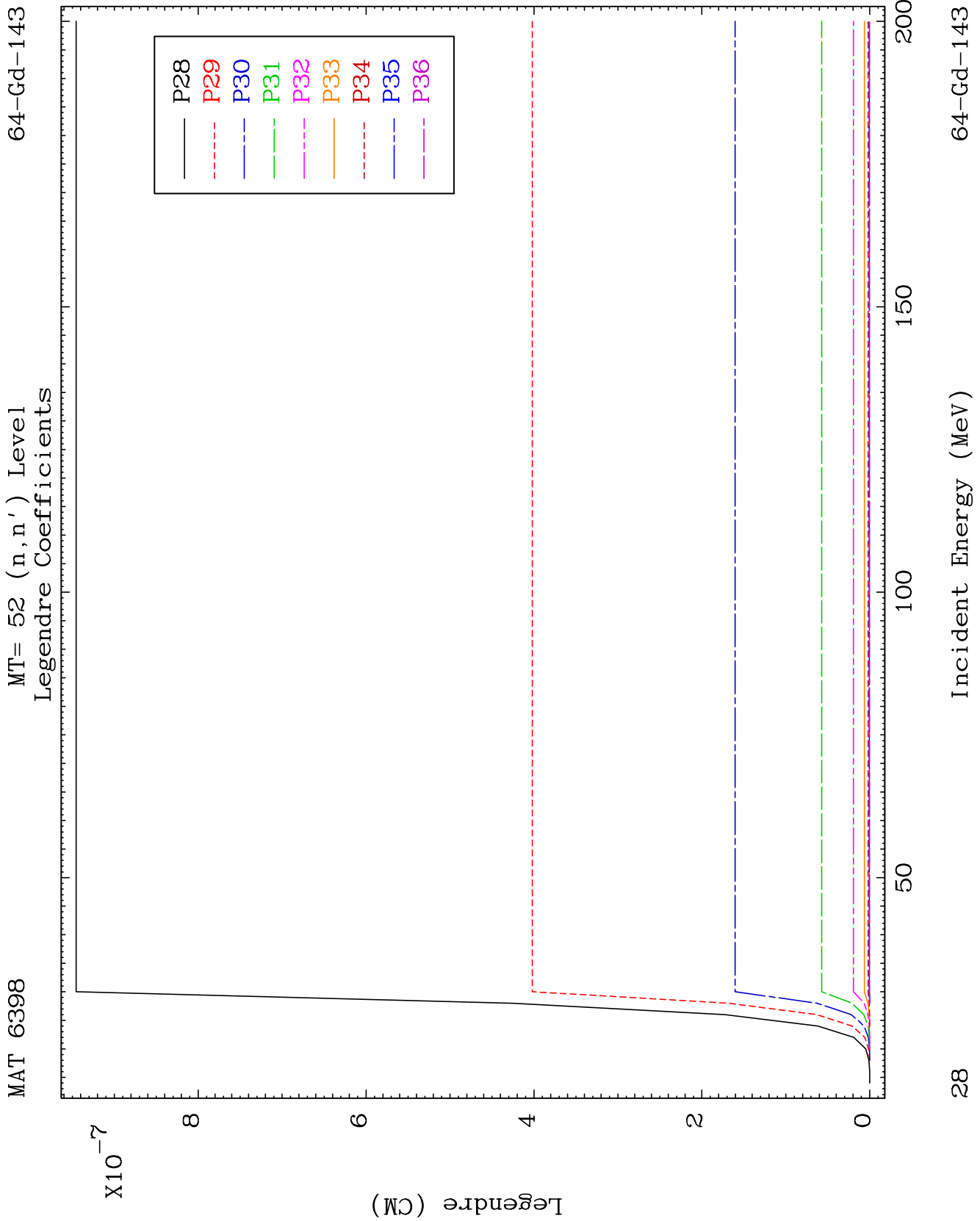
MT= 52 (n, n') Level
Legendre Coefficients

64-Gd-143





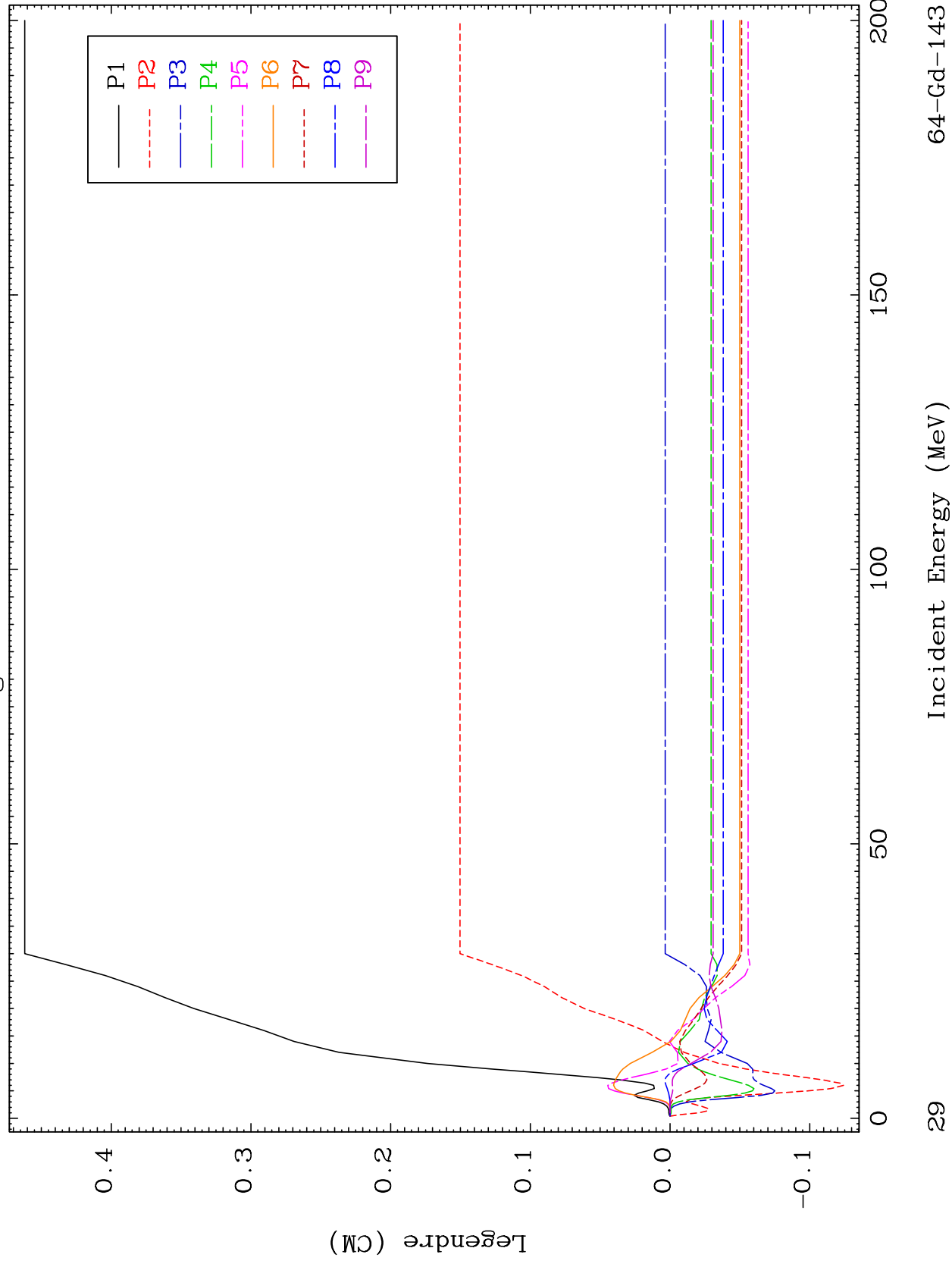


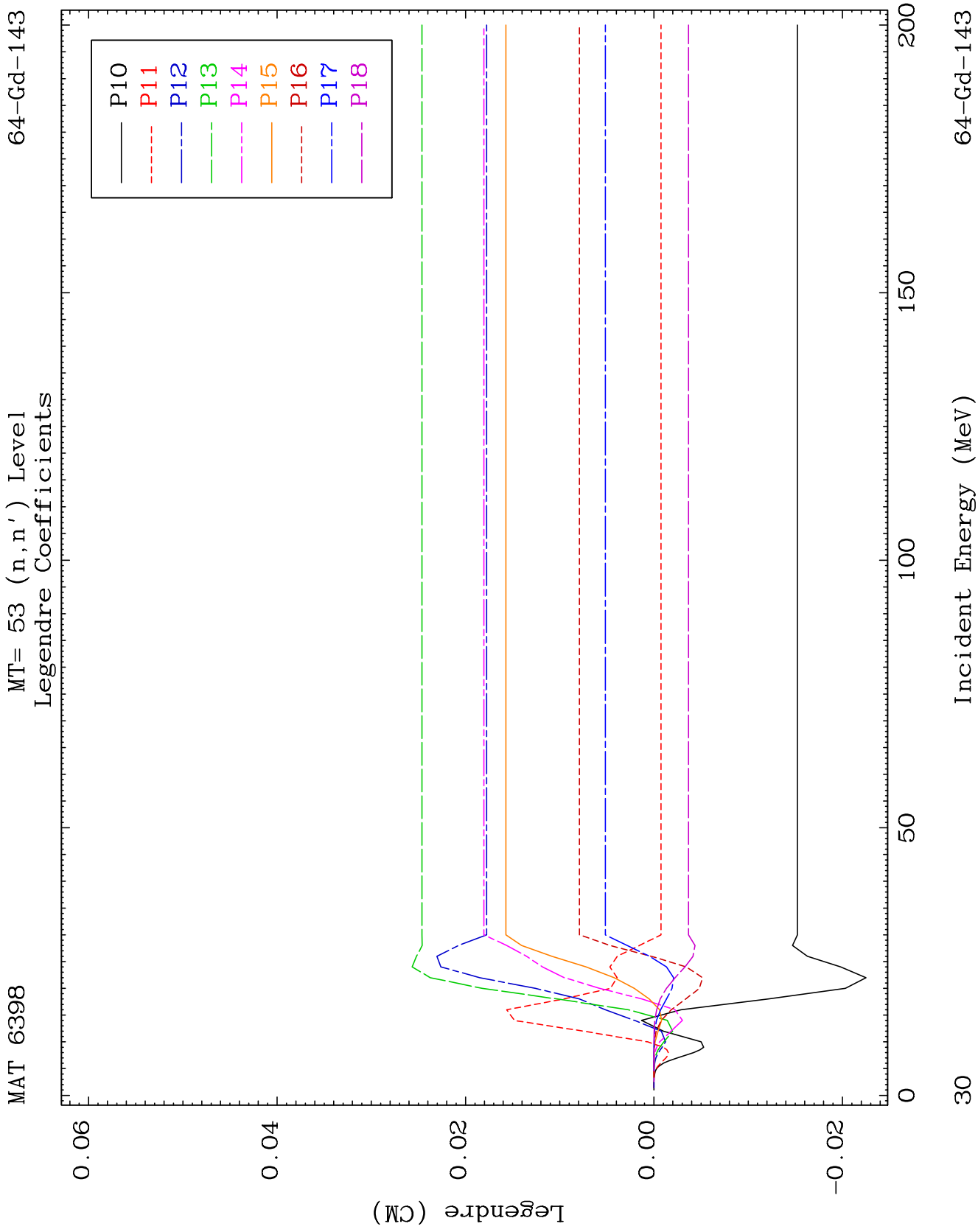


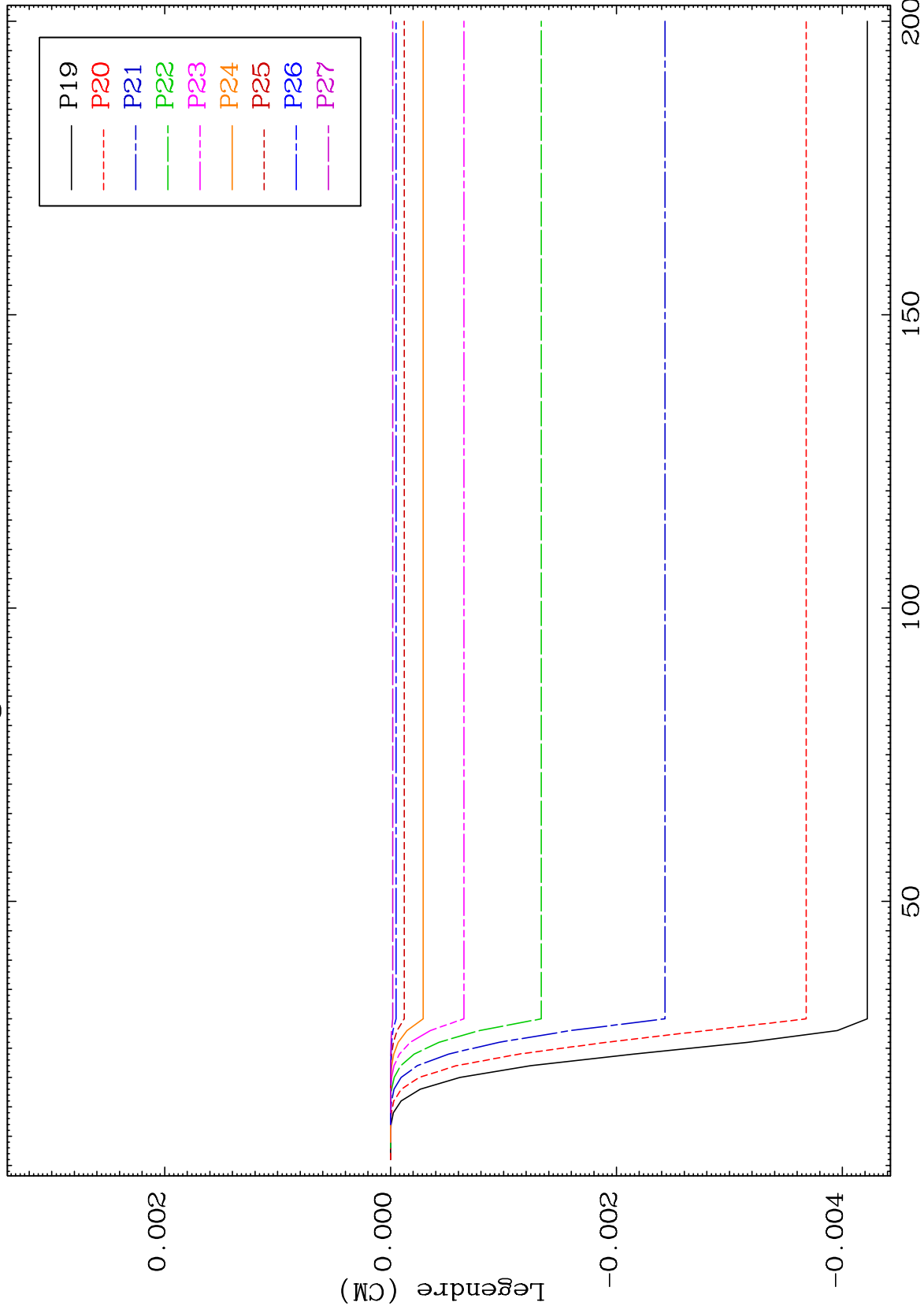
MAT 6398

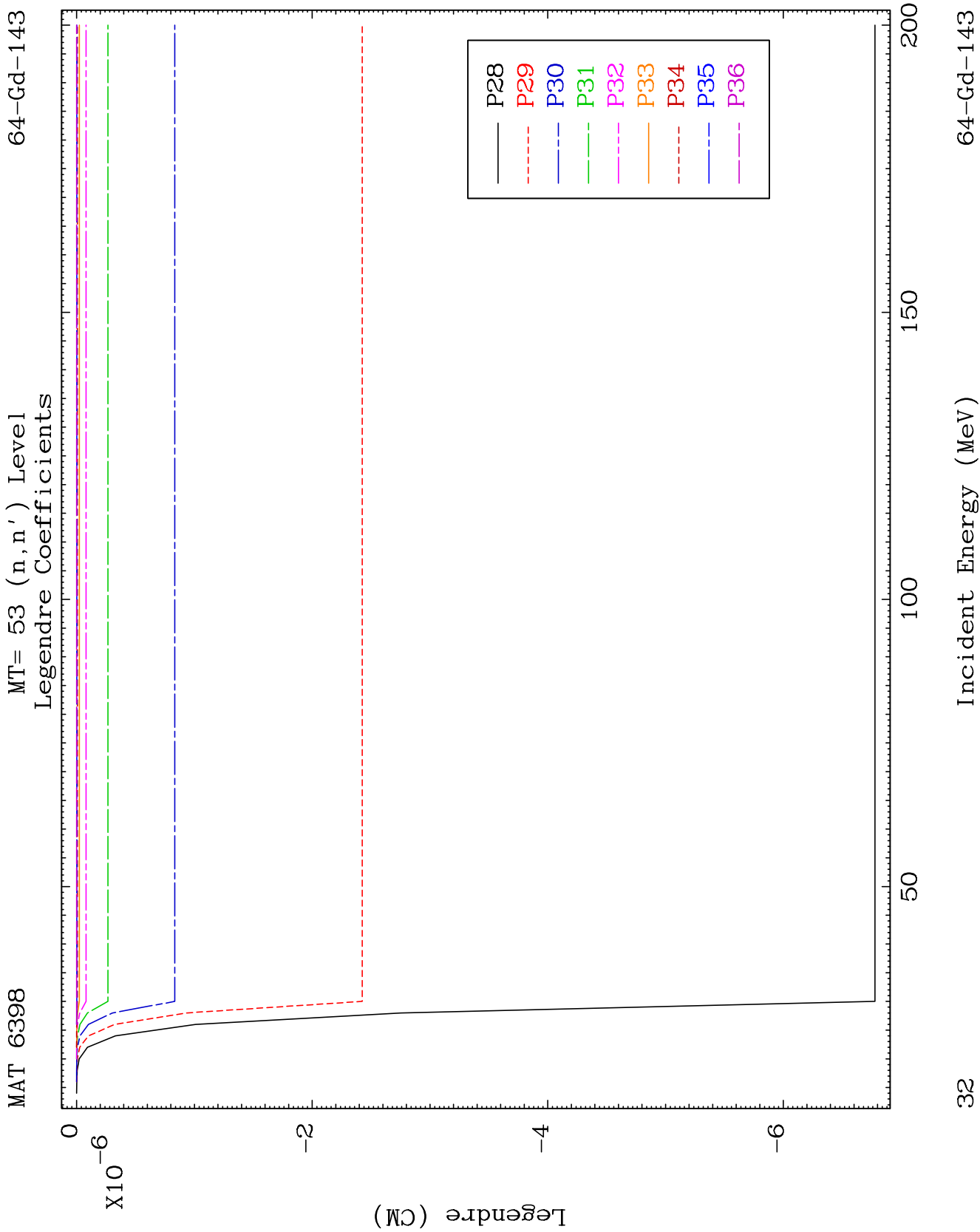
MT= 53 (n, n') Level
Legendre Coefficients

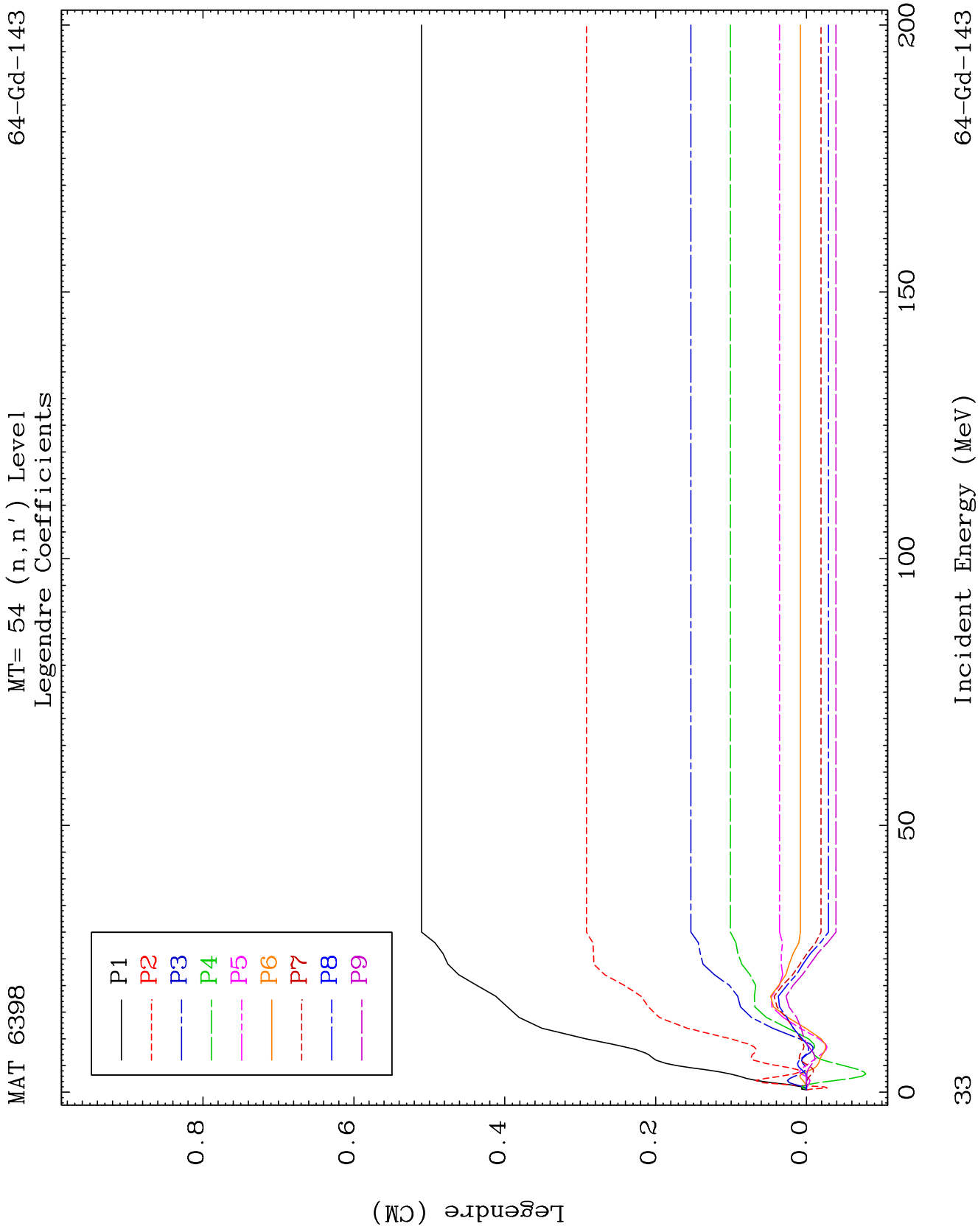
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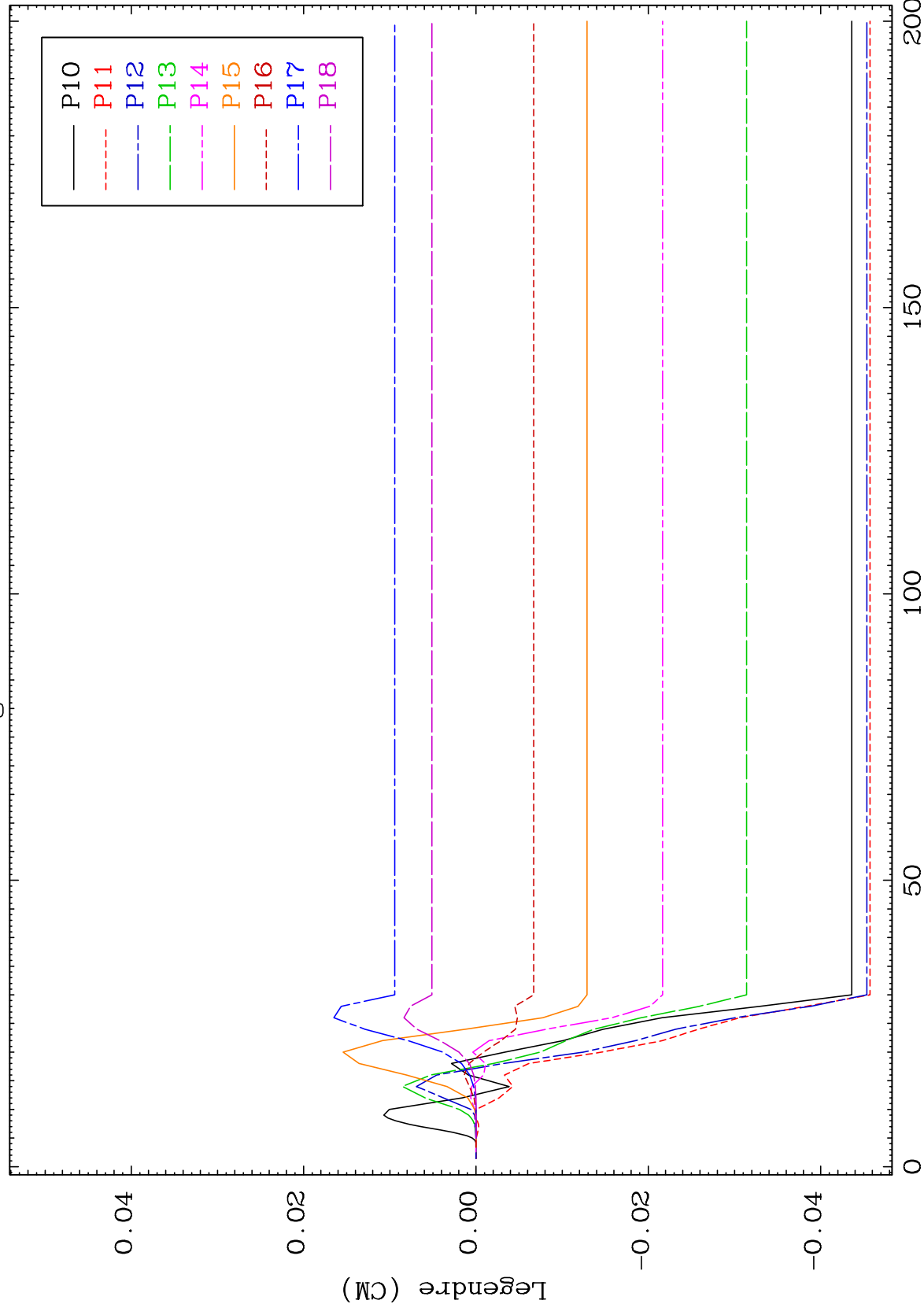




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MT= 54 (n, n') Level
Legendre Coefficients

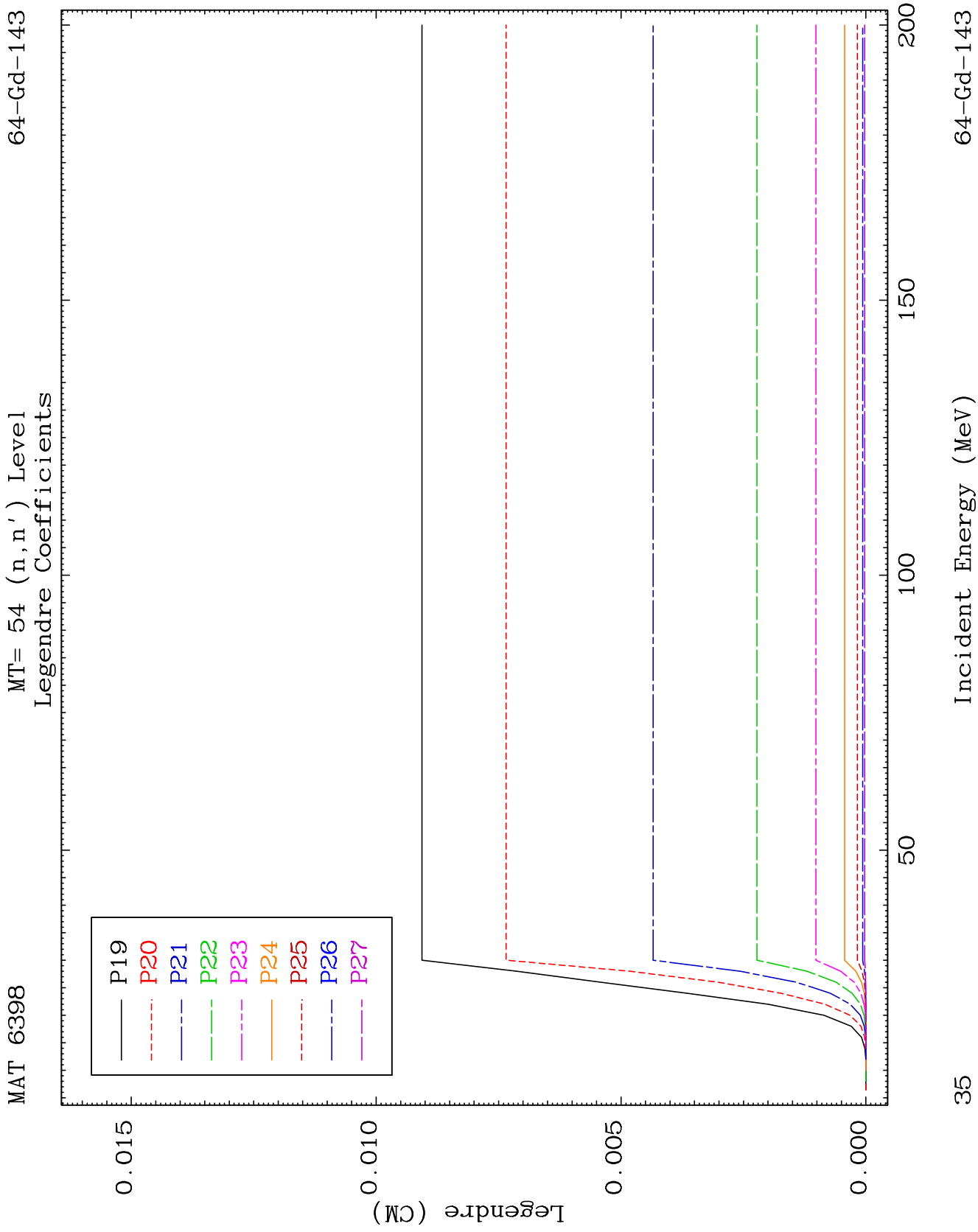
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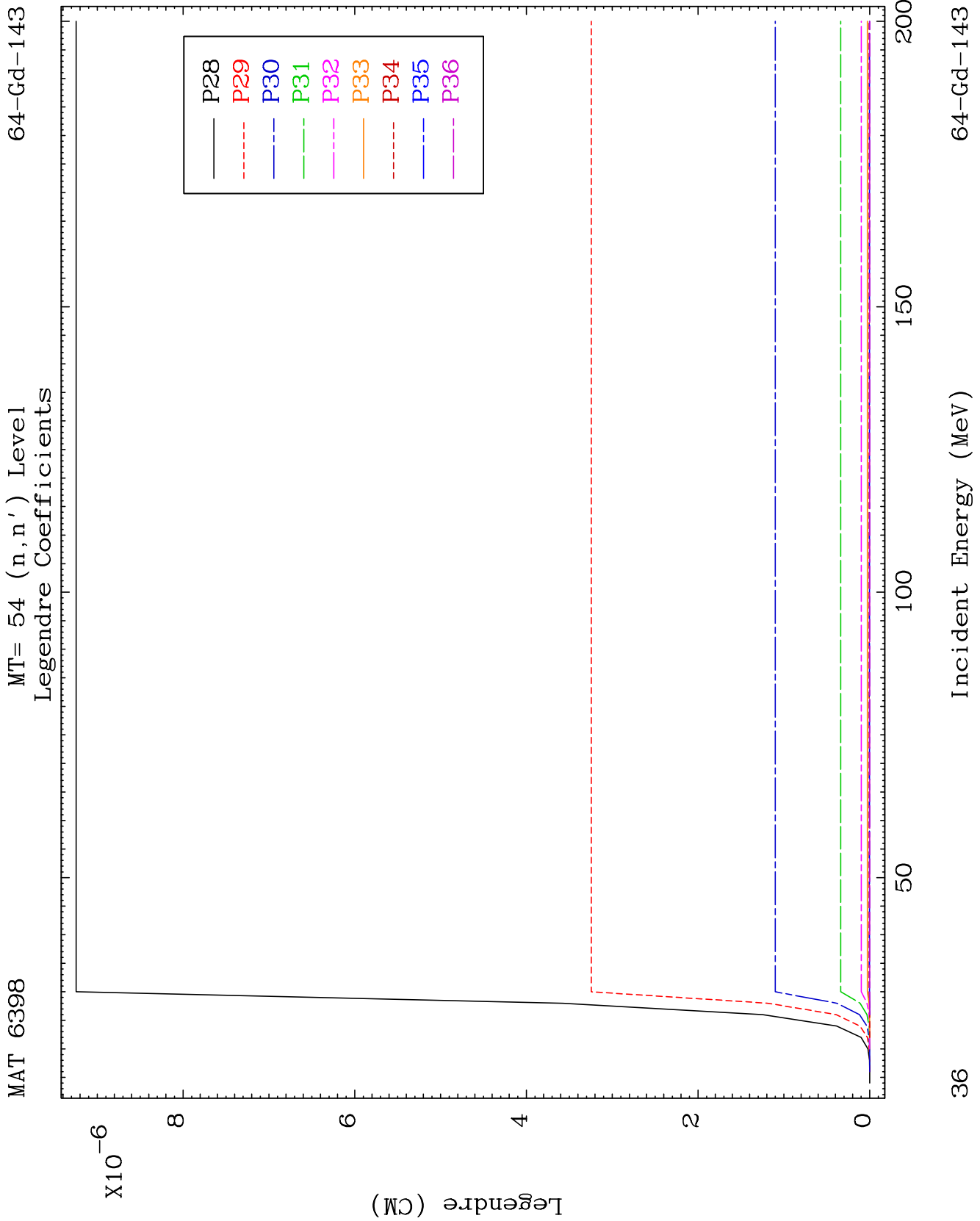


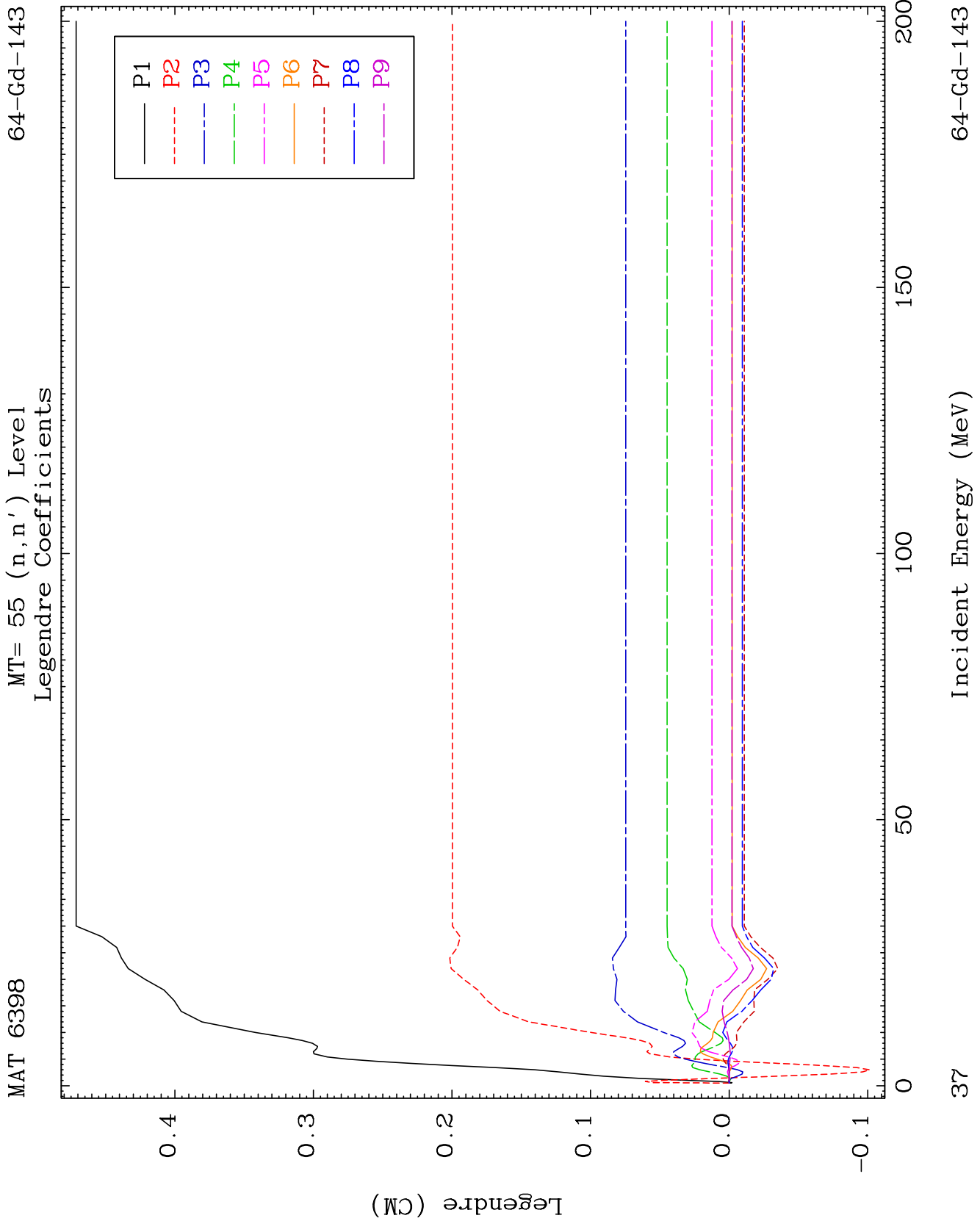
34

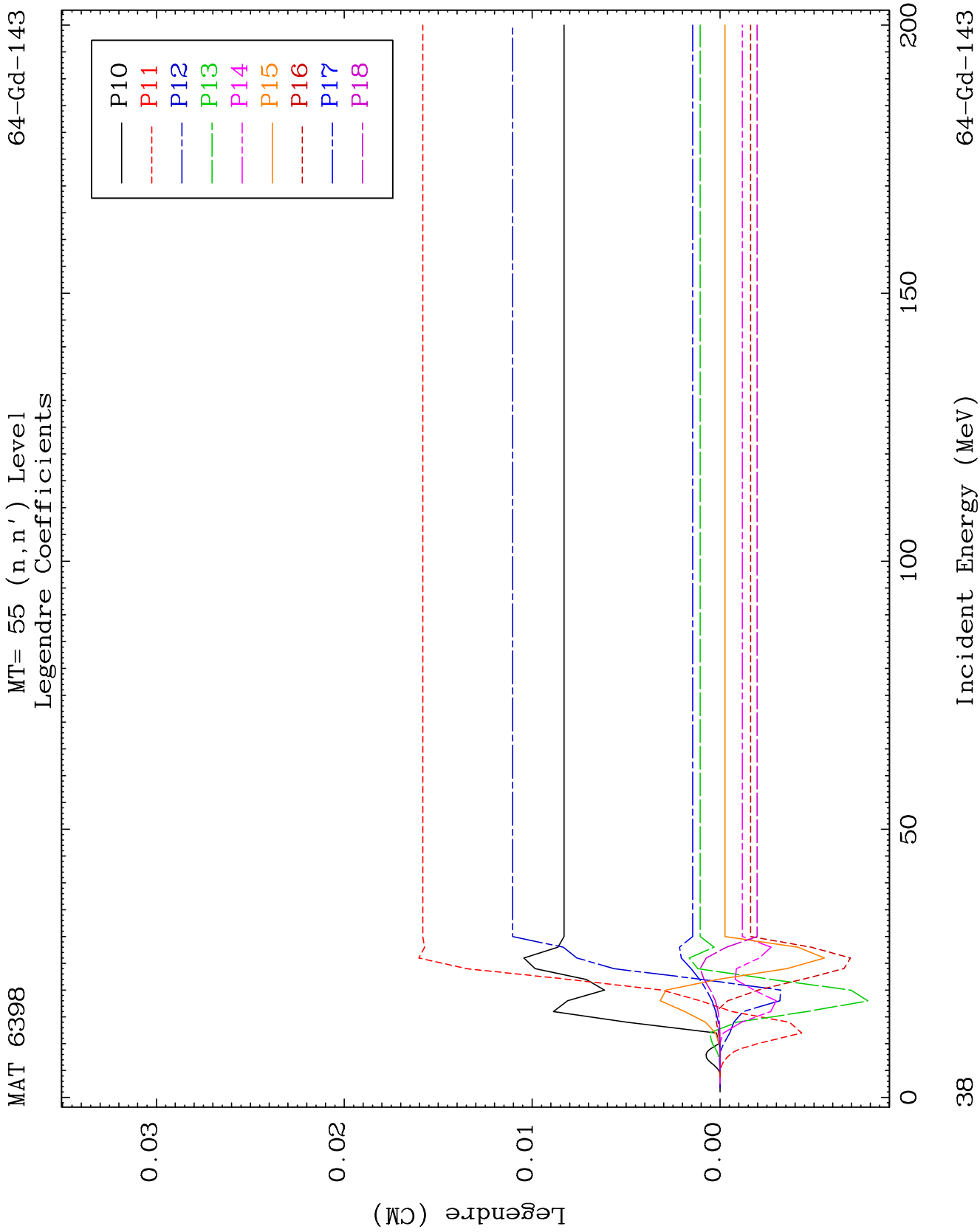
Incident Energy (MeV)

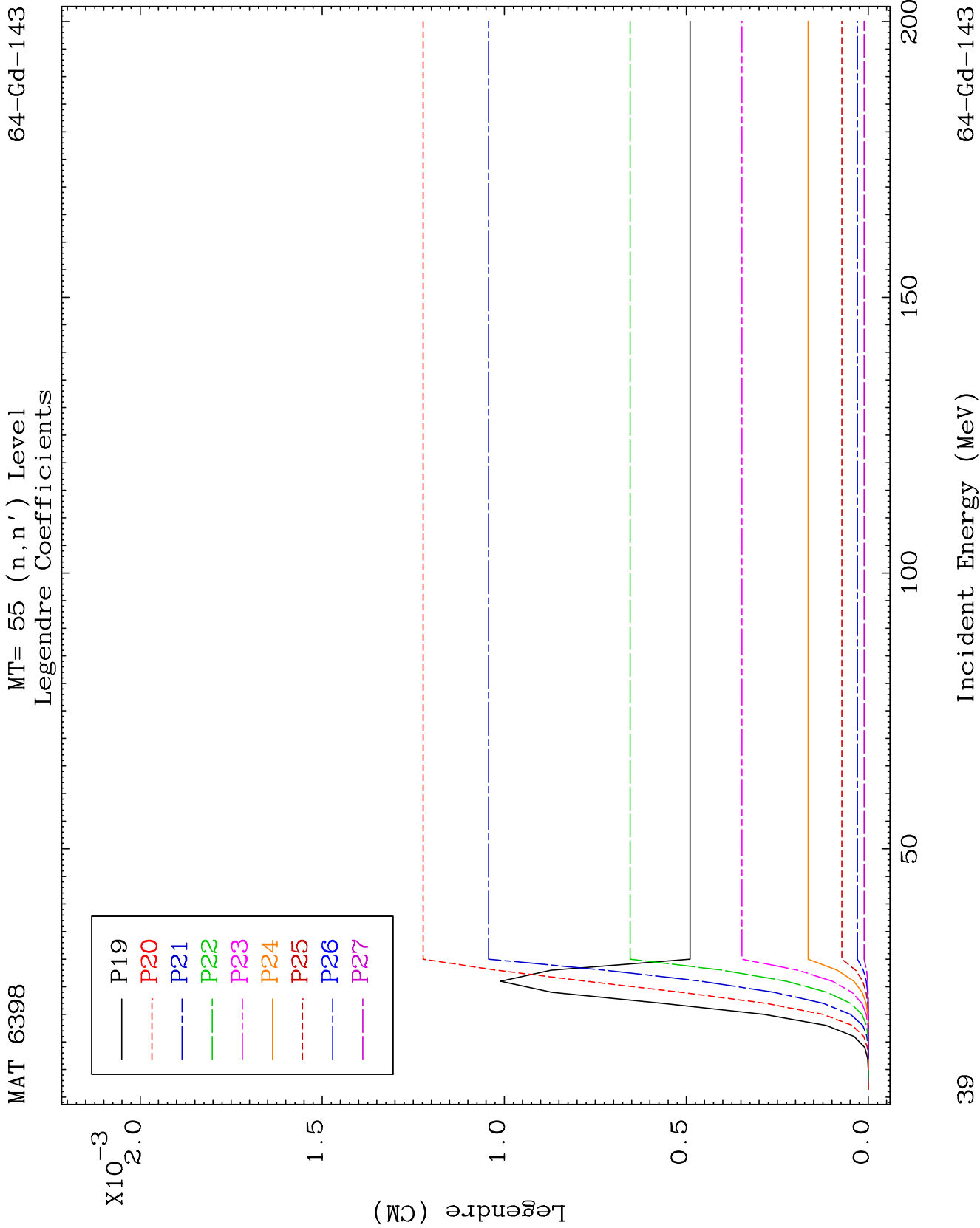
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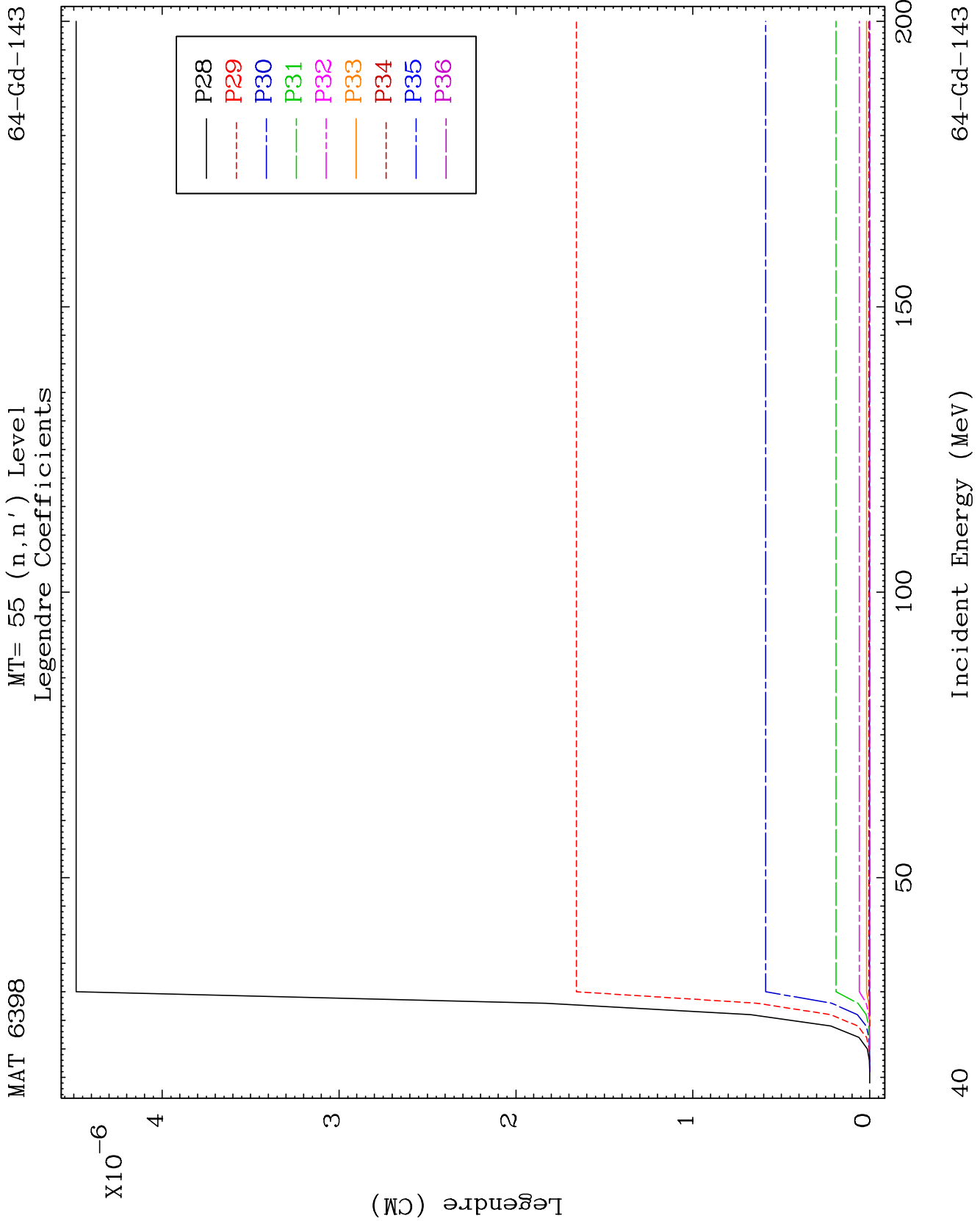


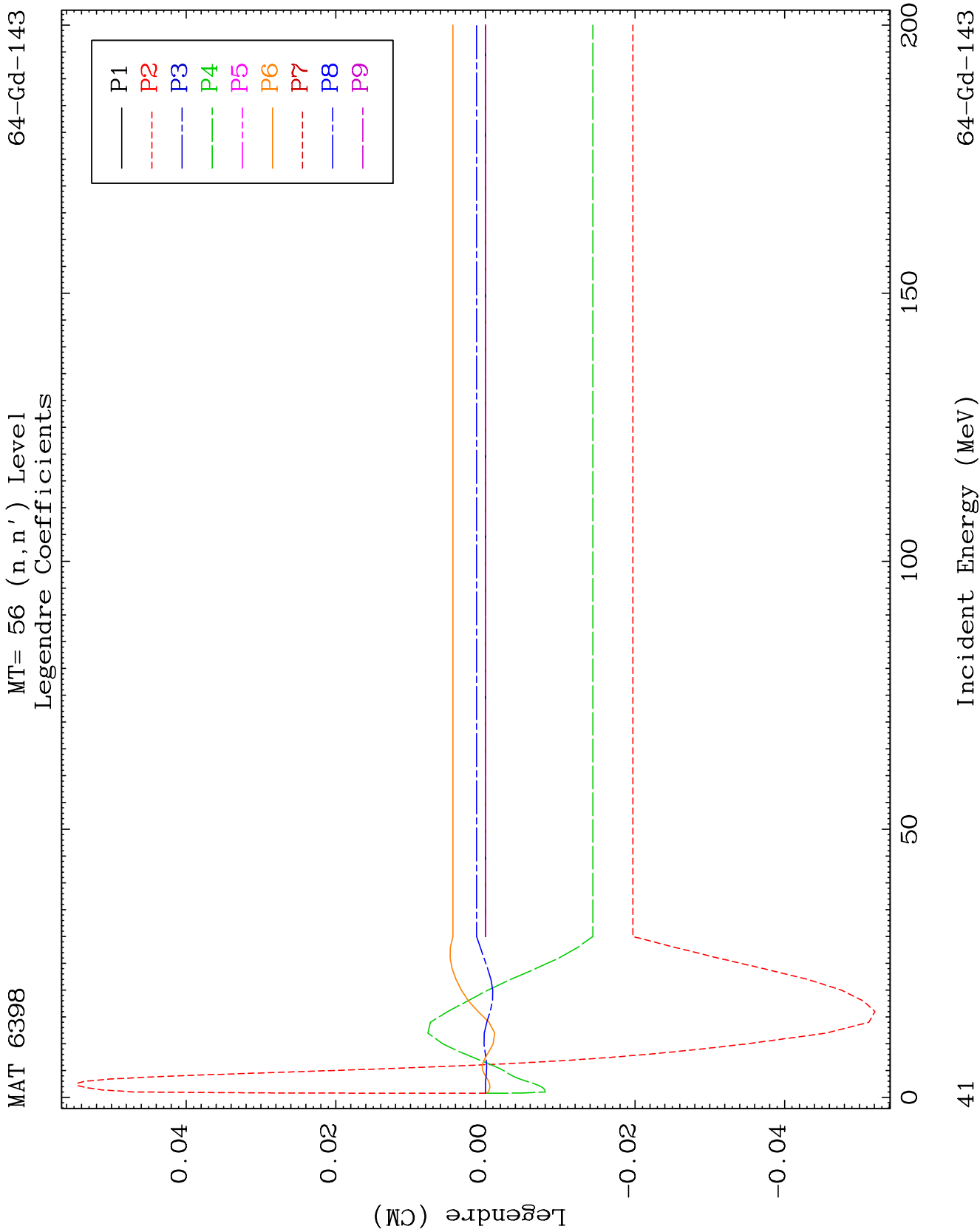


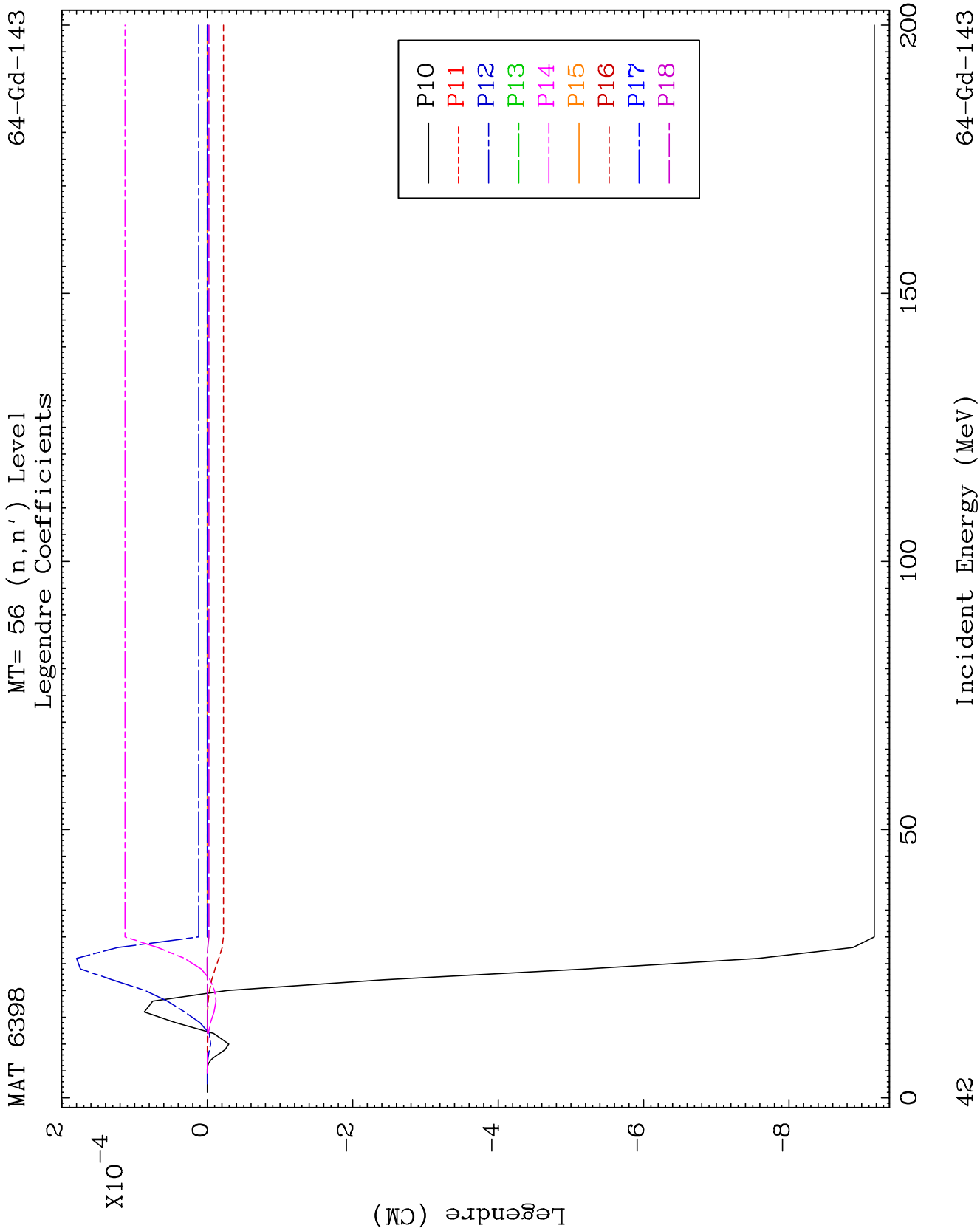


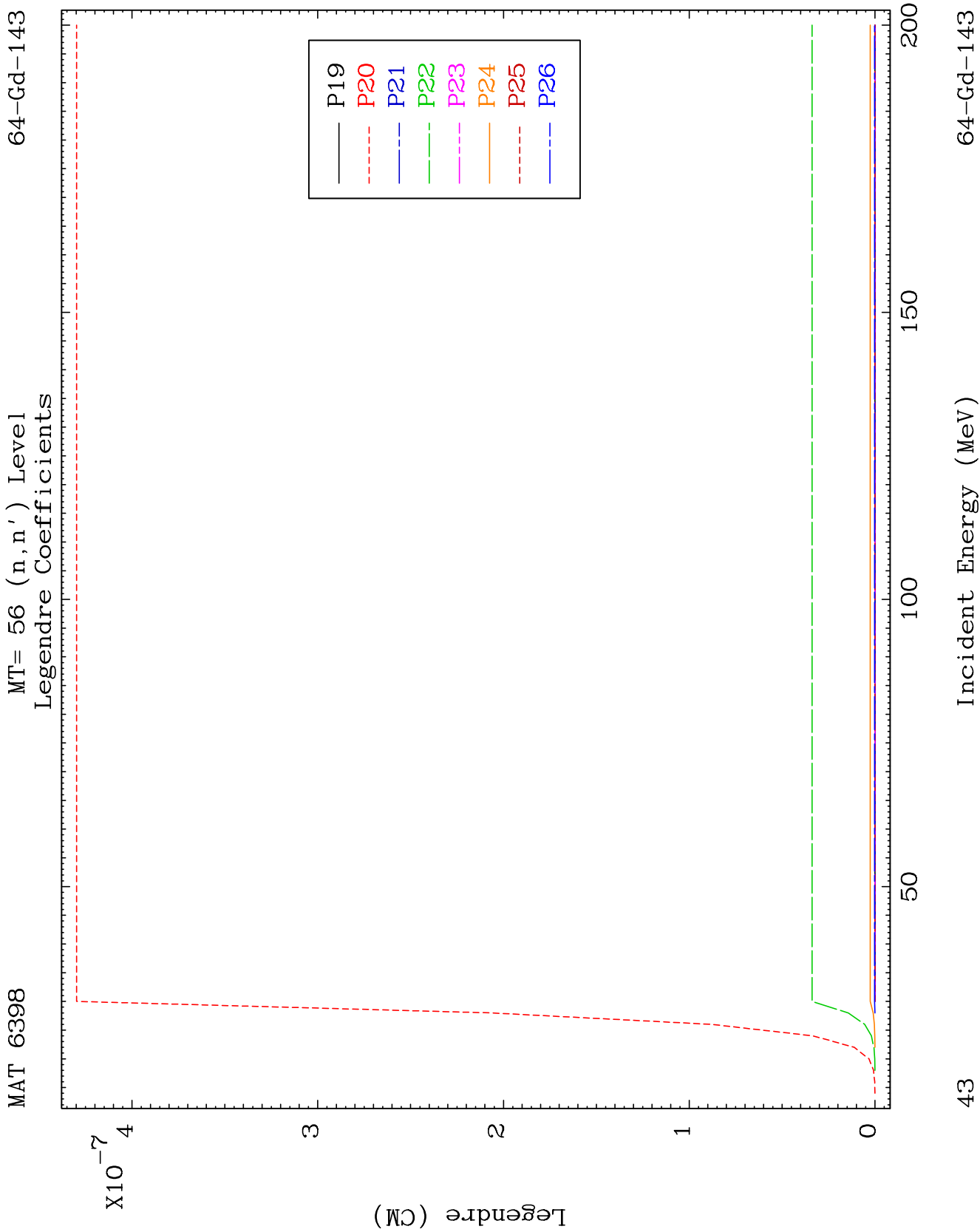








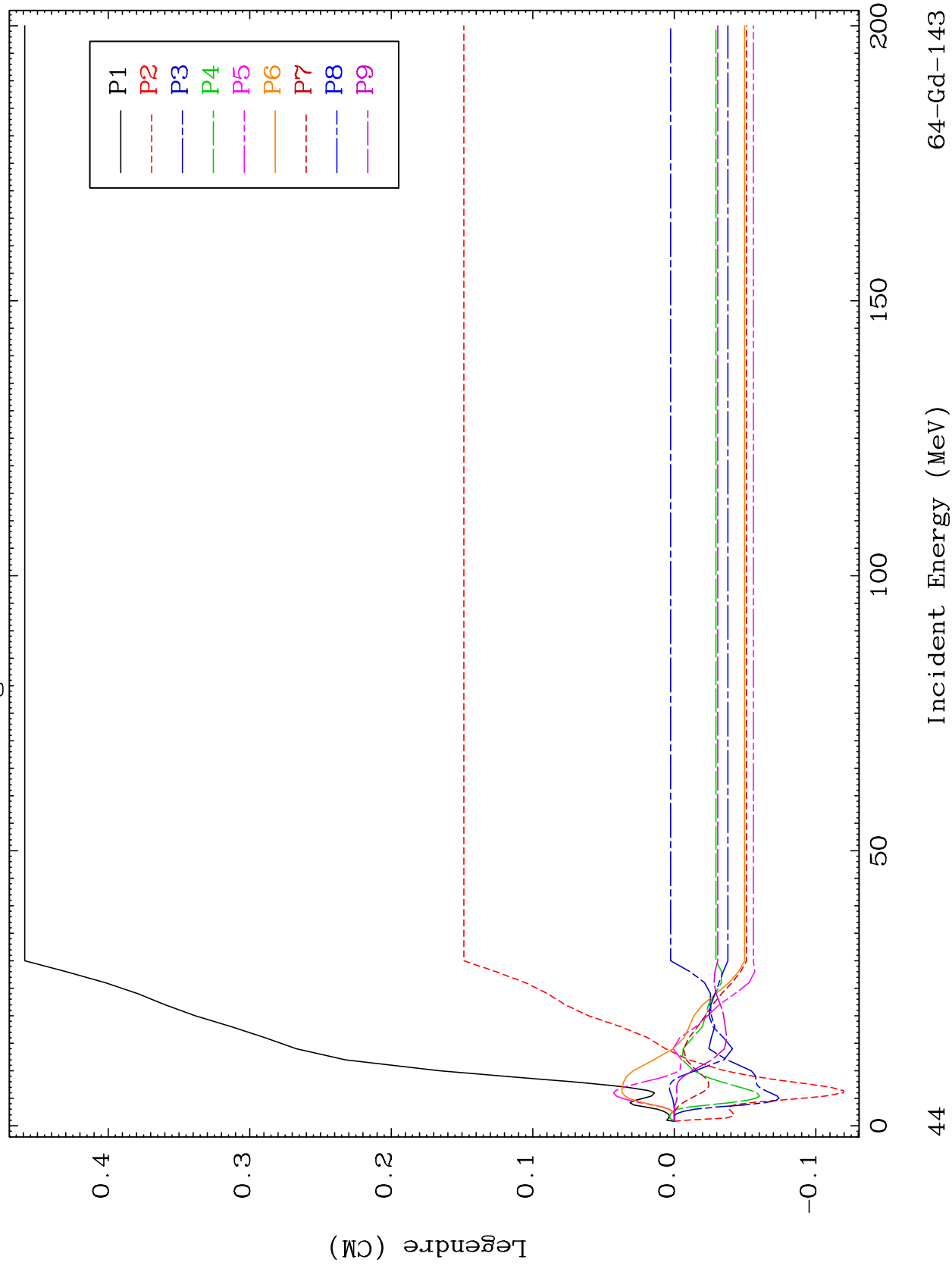




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MT= 57 (n, n') Level
Legendre Coefficients

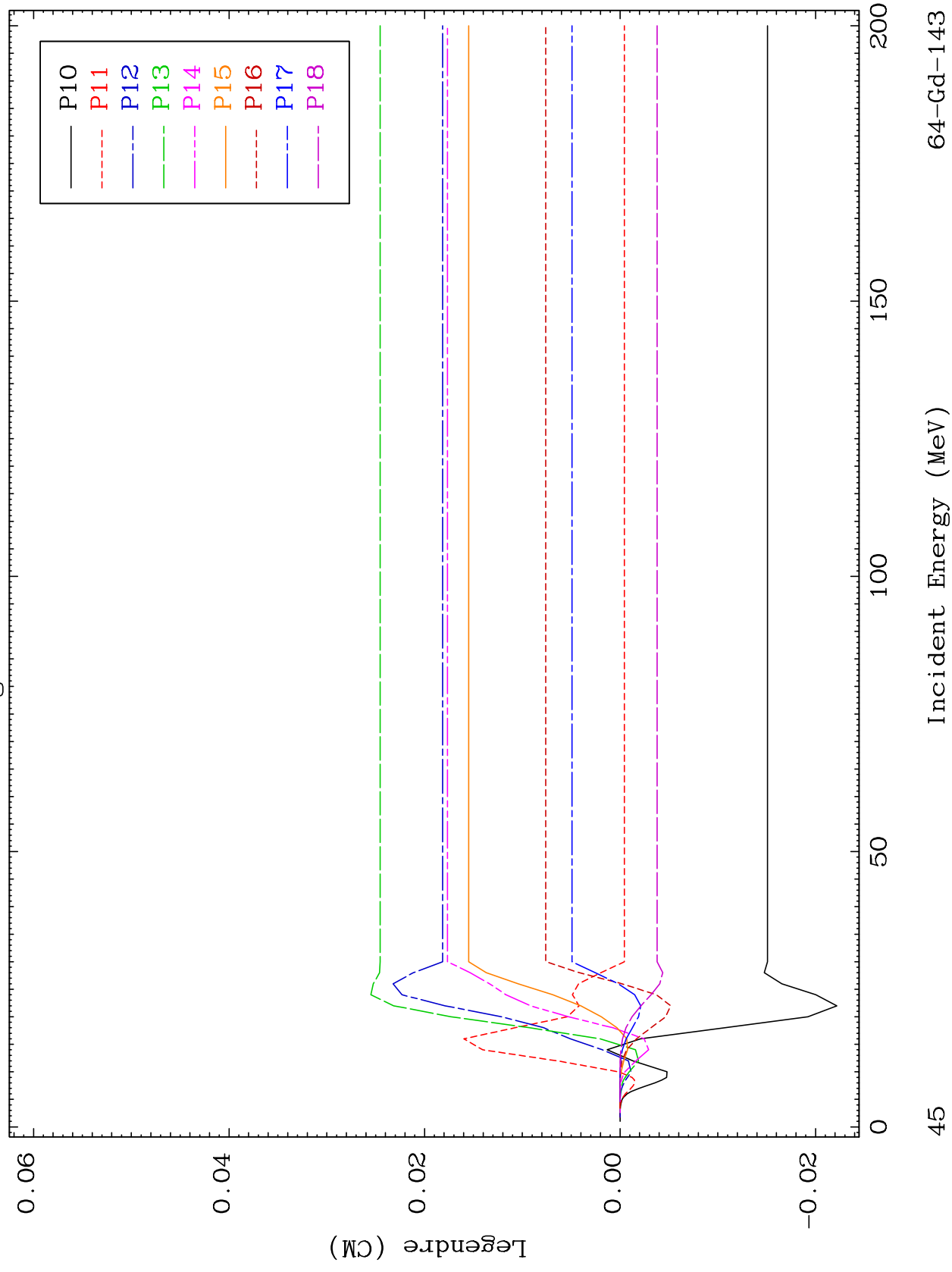
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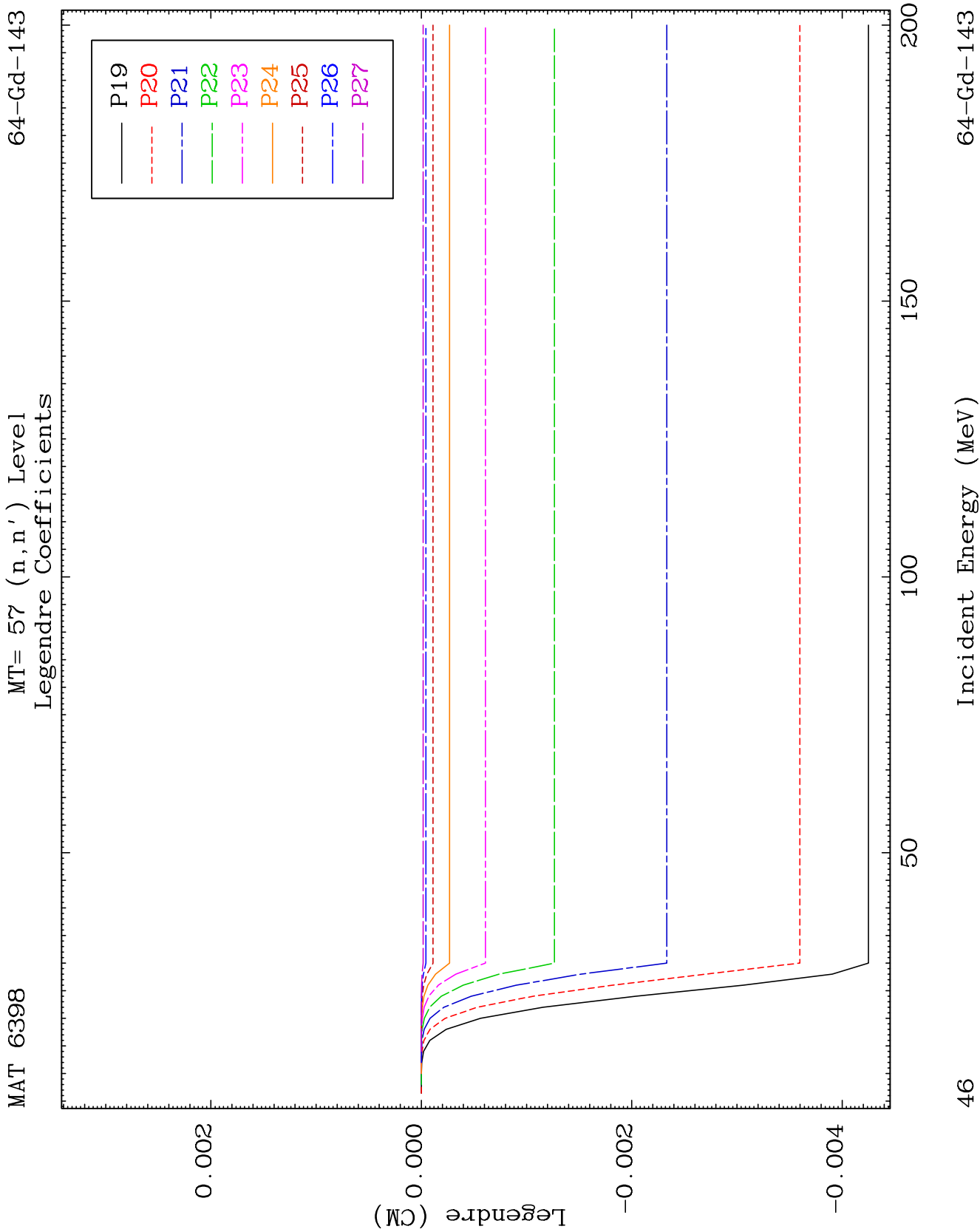


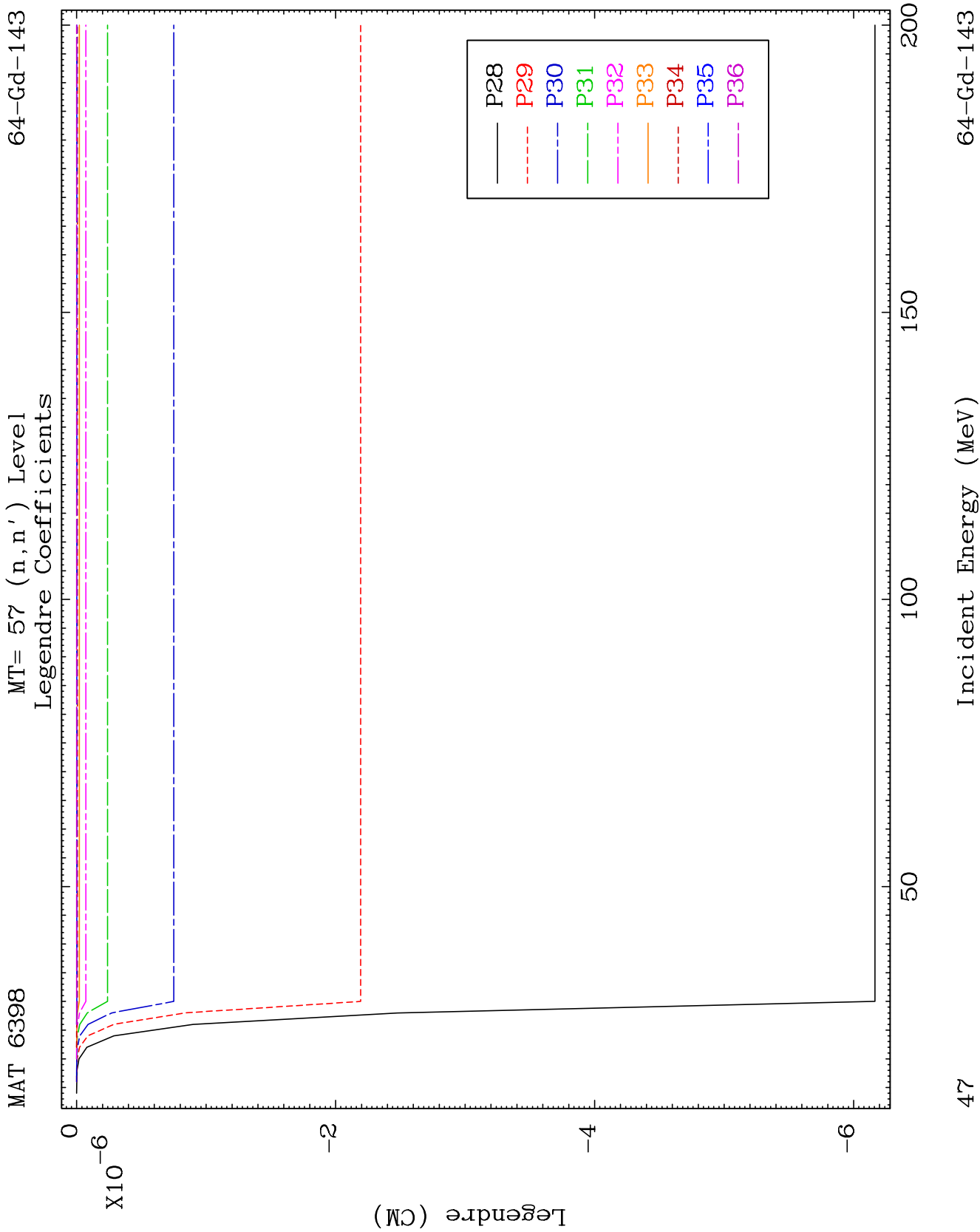
MAT 6398

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

64-Gd-143



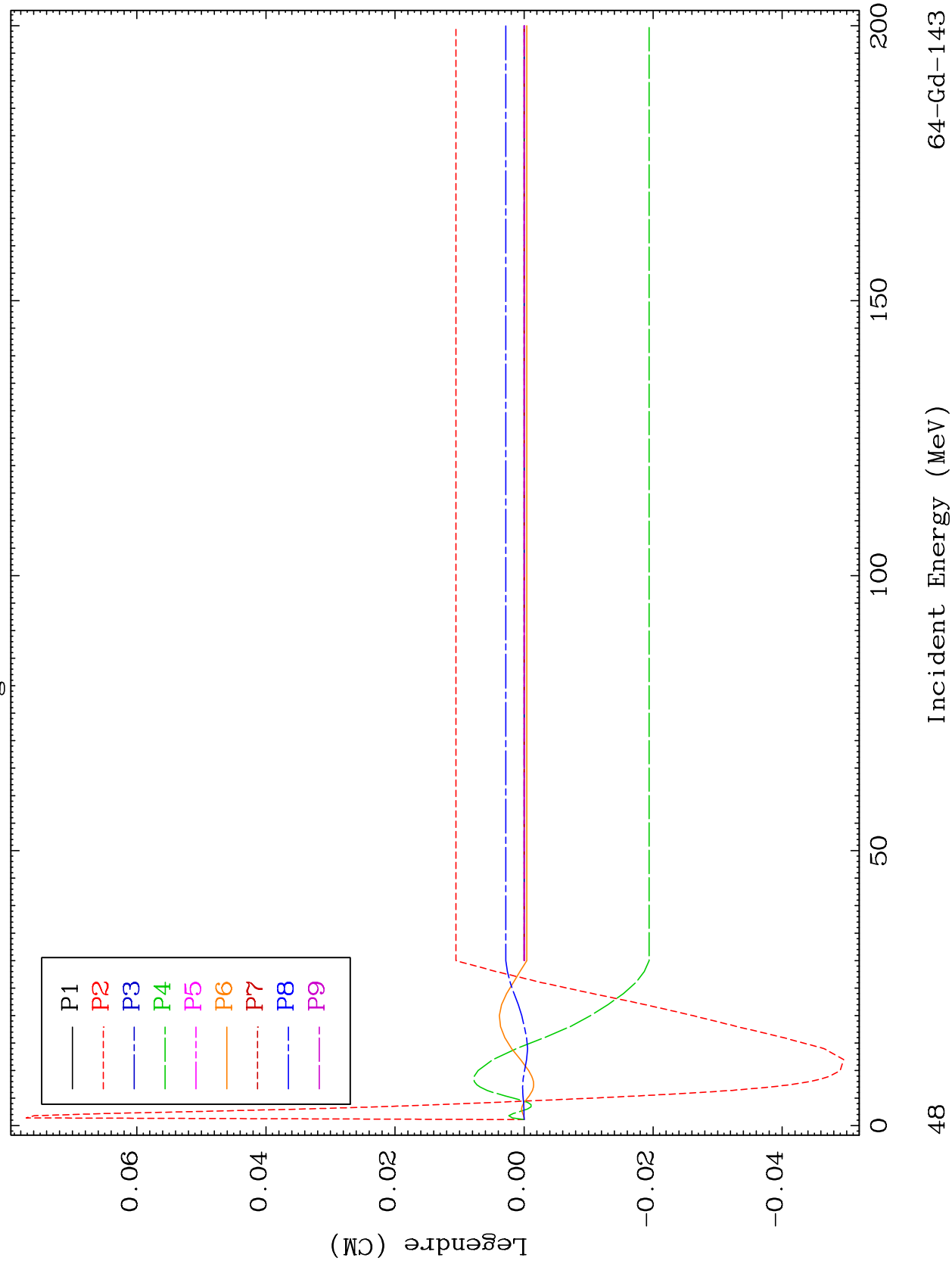


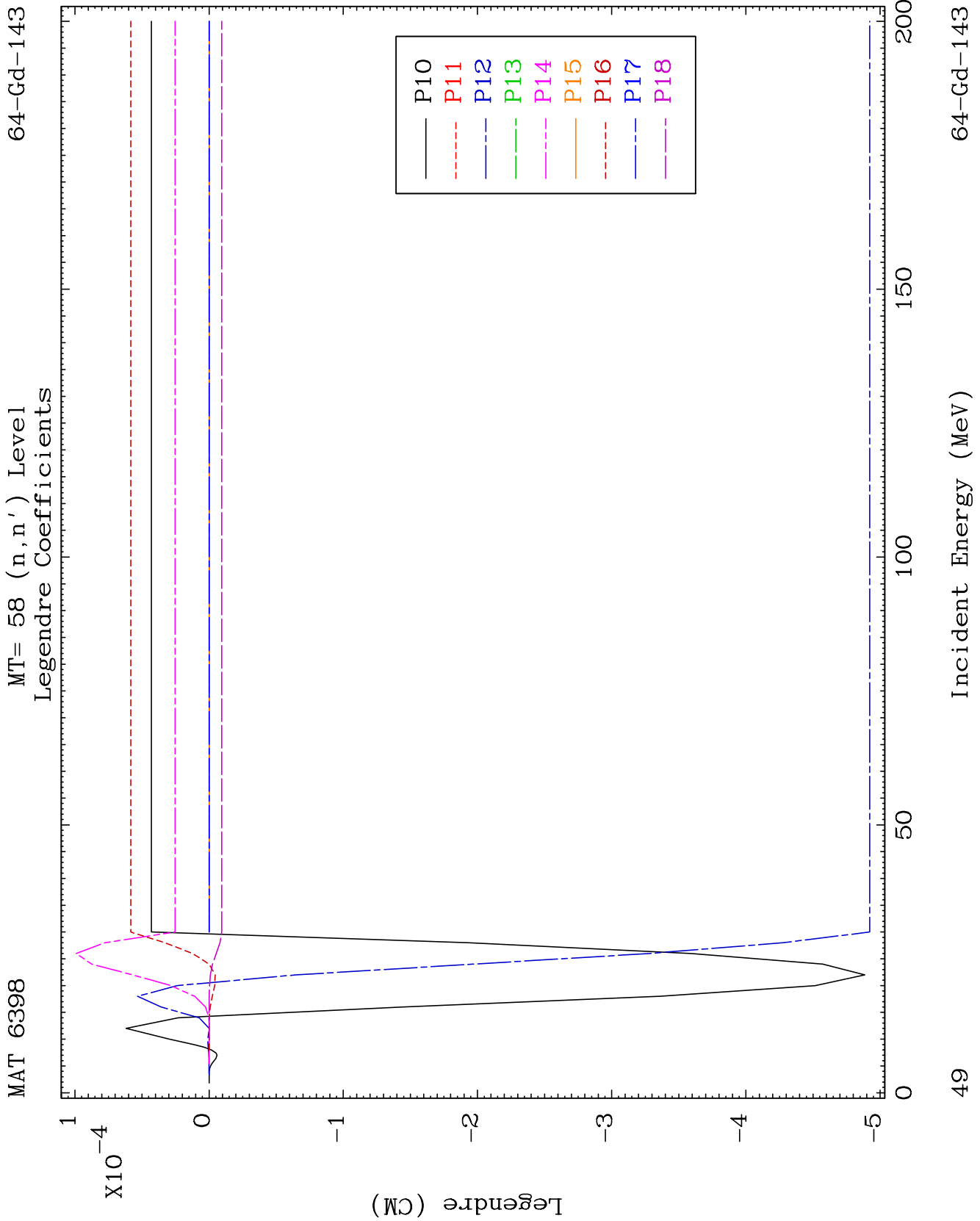


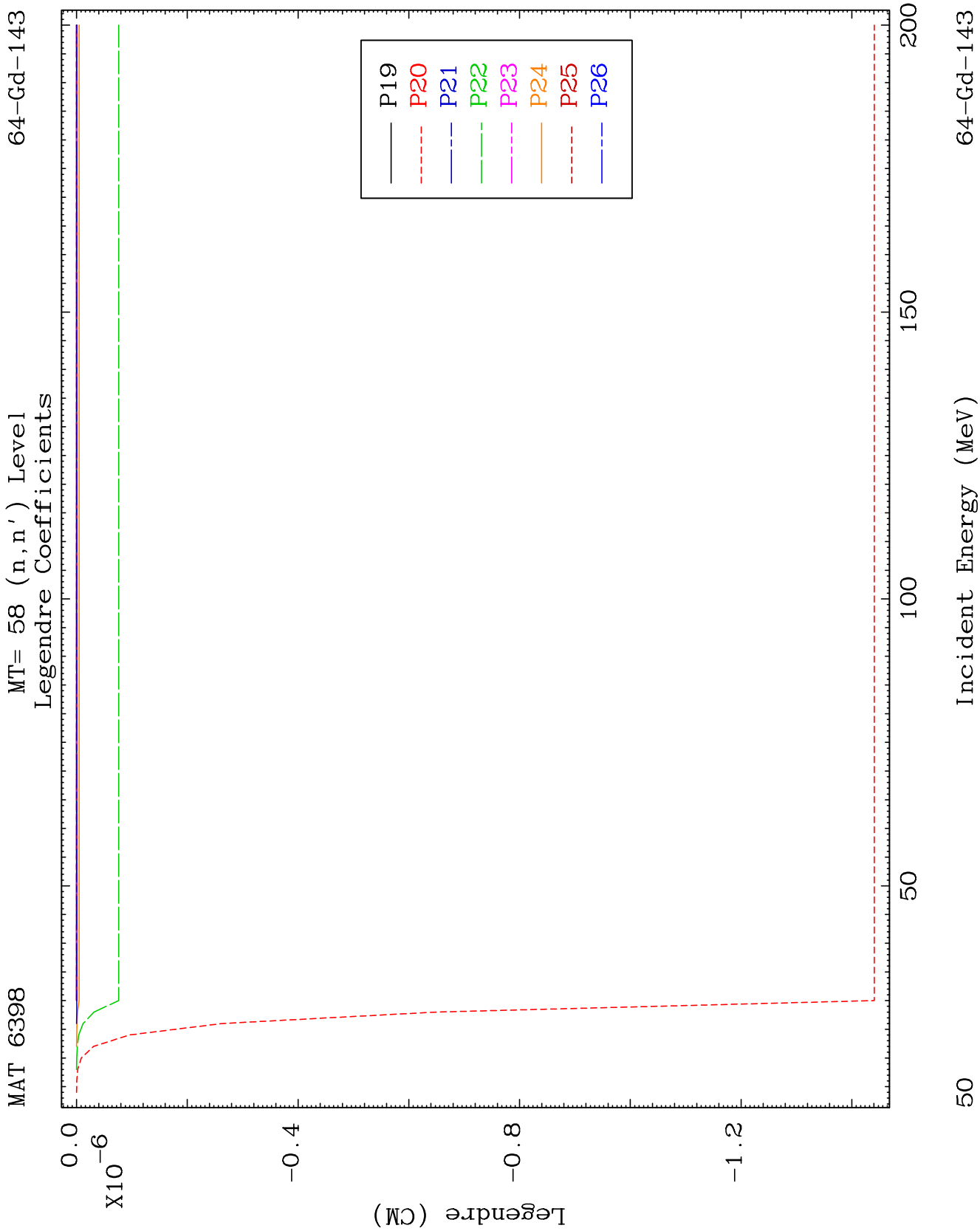
MAT 6398

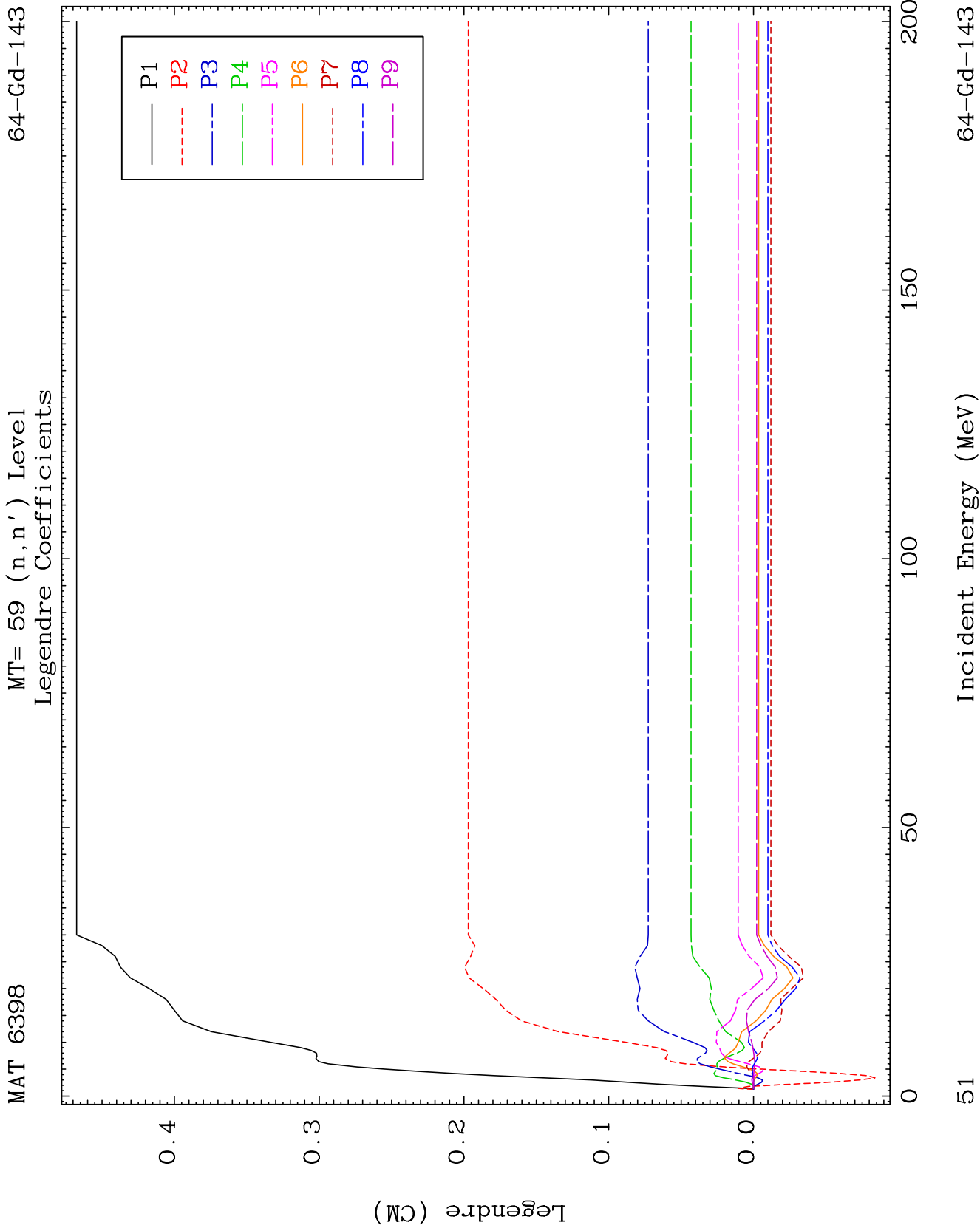
MT= 58 (n, n') Level
Legendre Coefficients

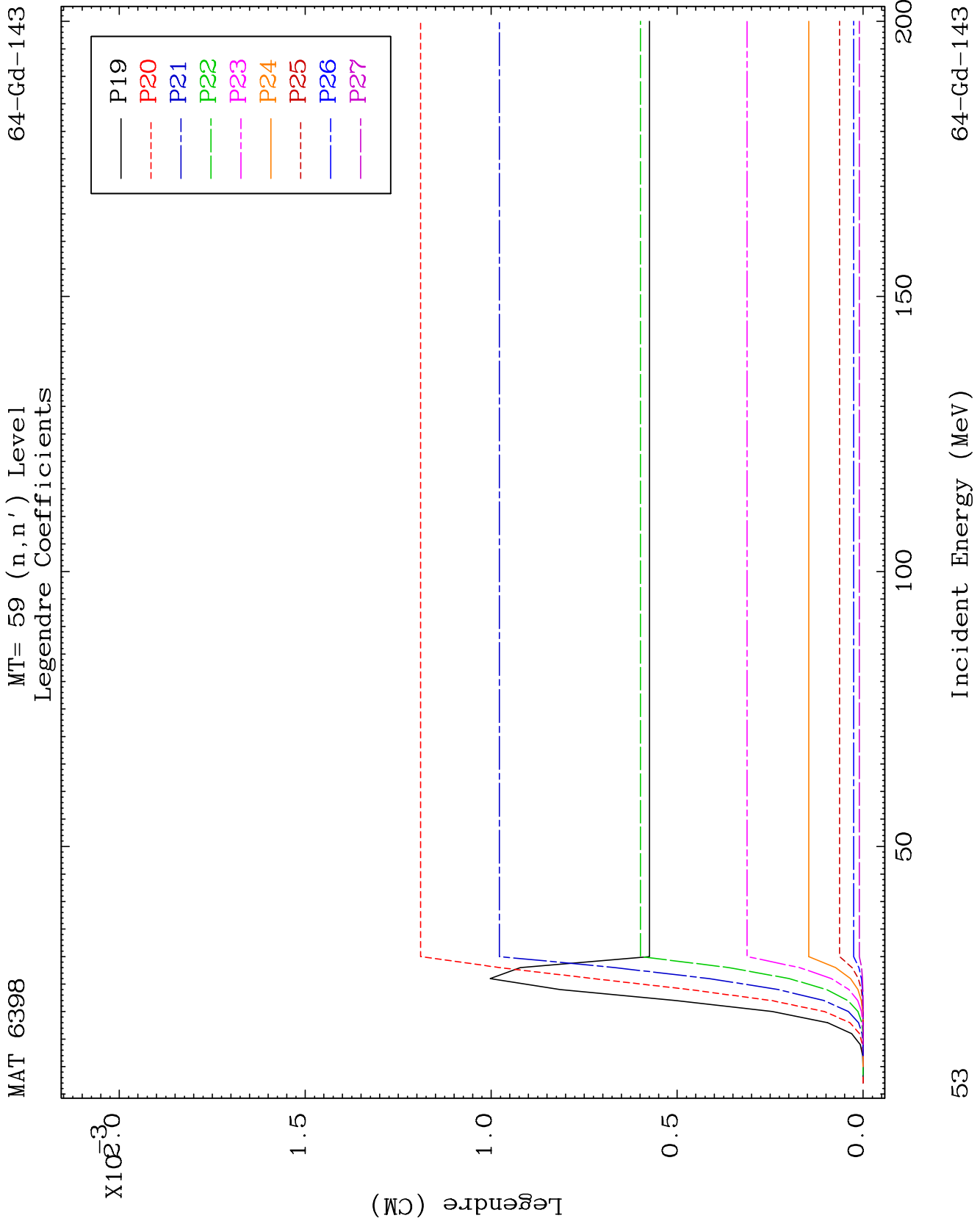
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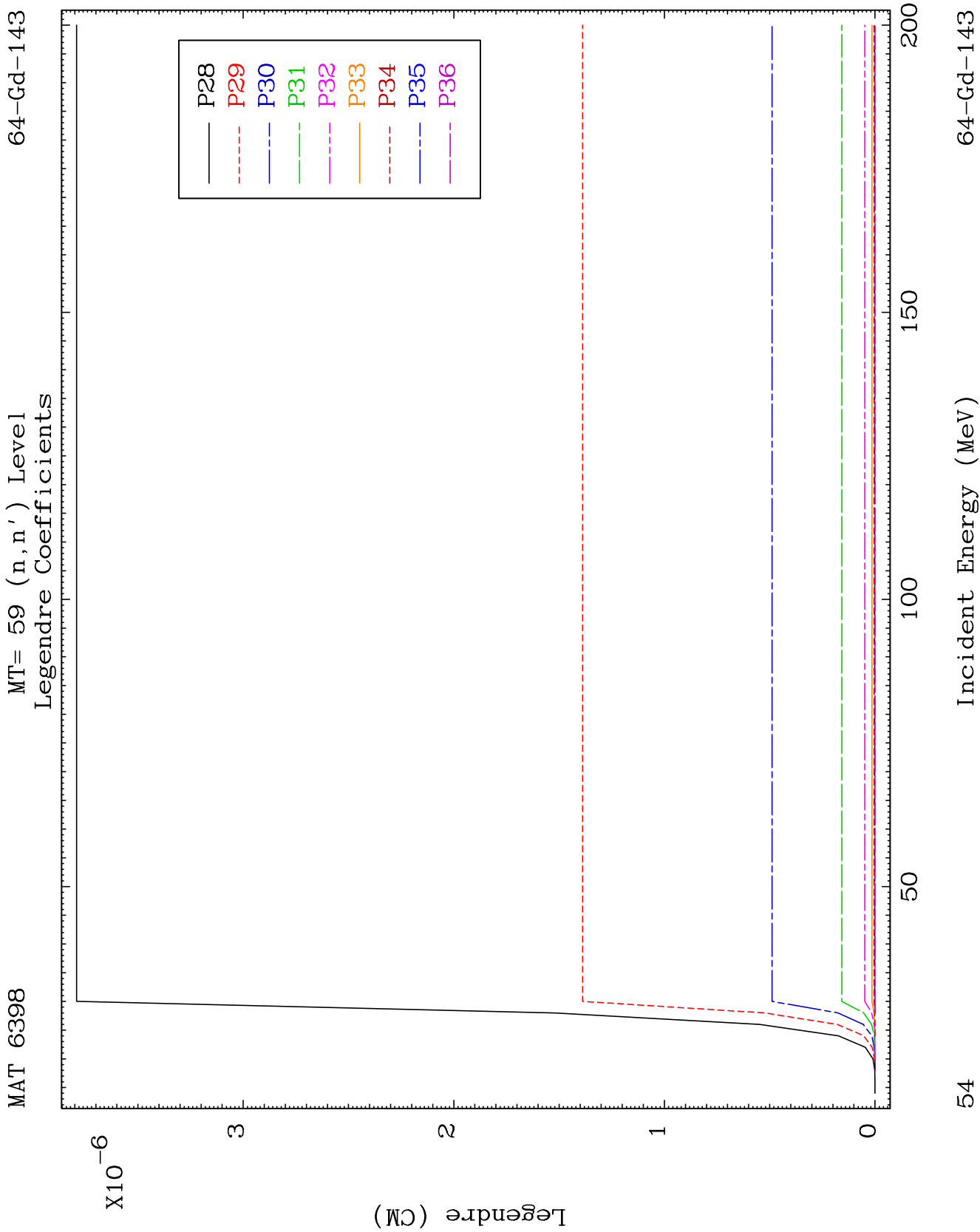








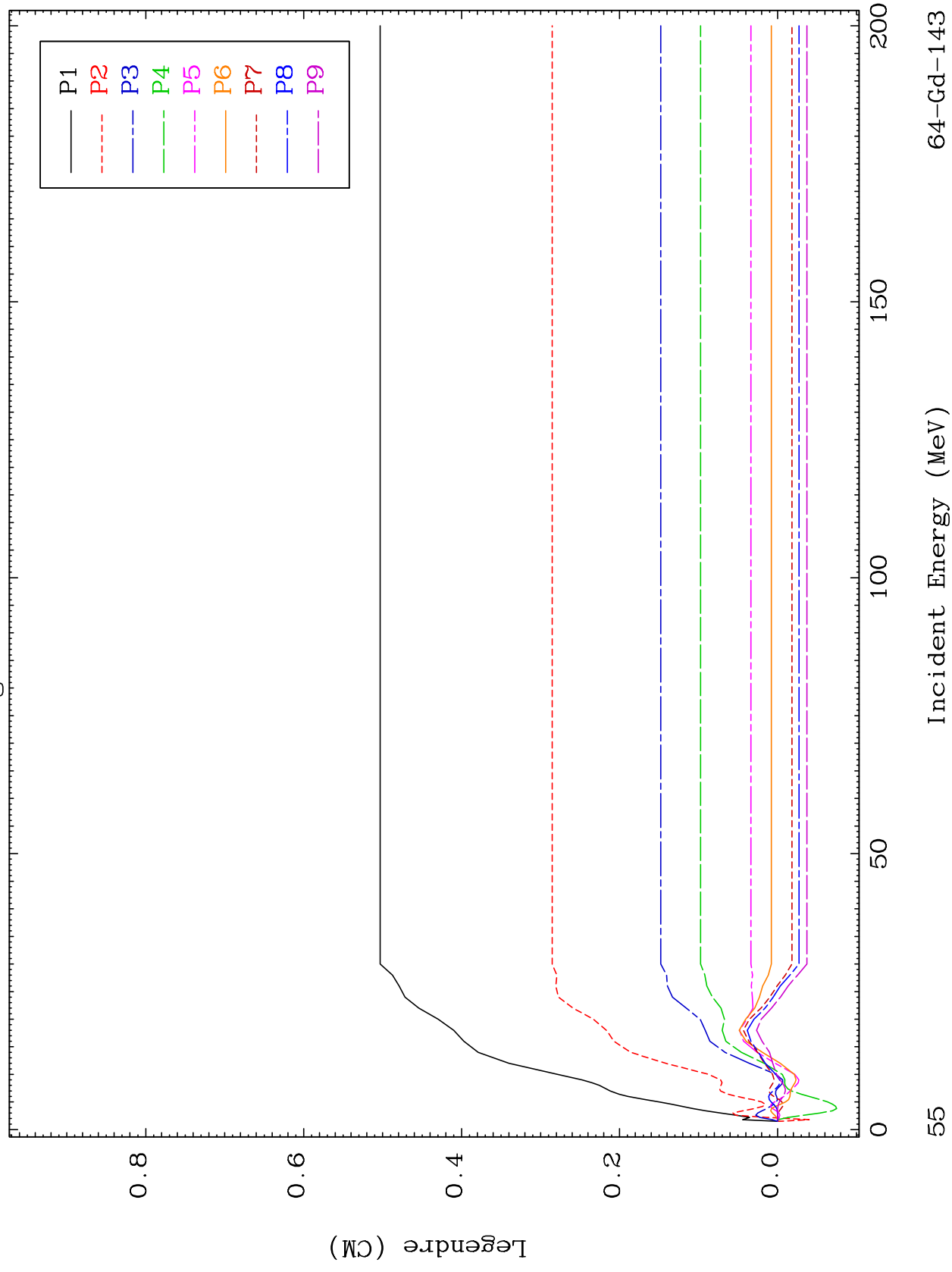




MAT 6398

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

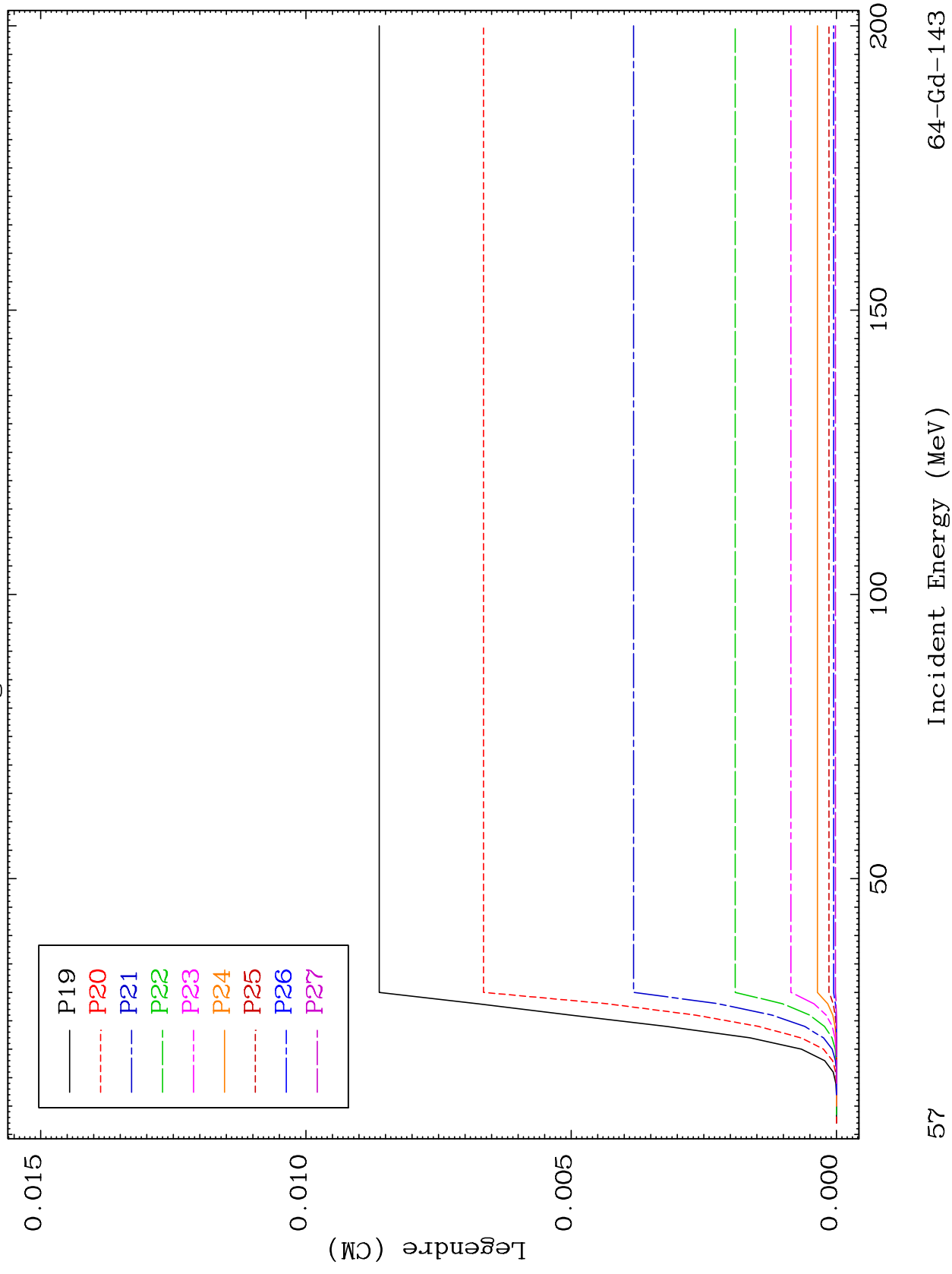
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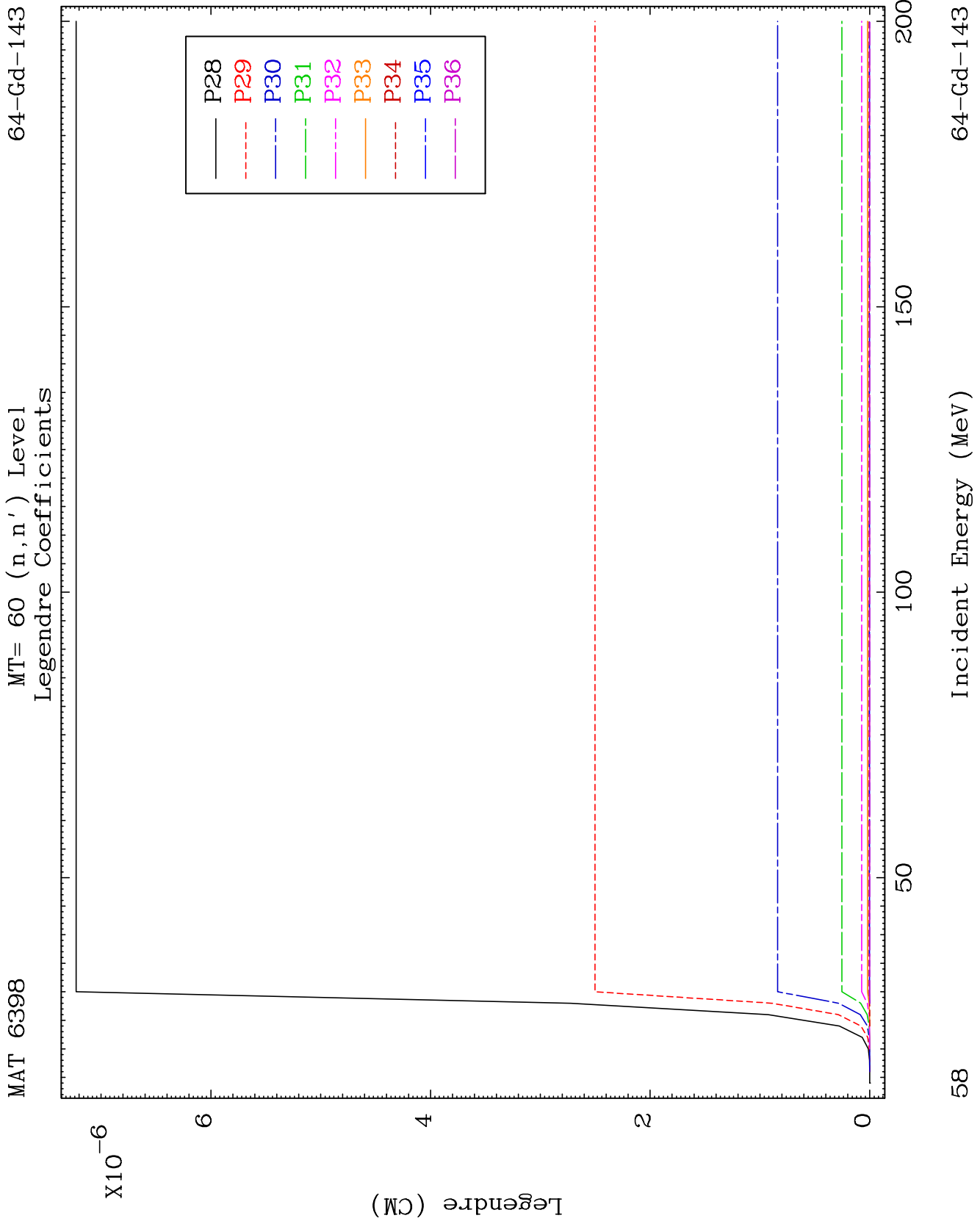


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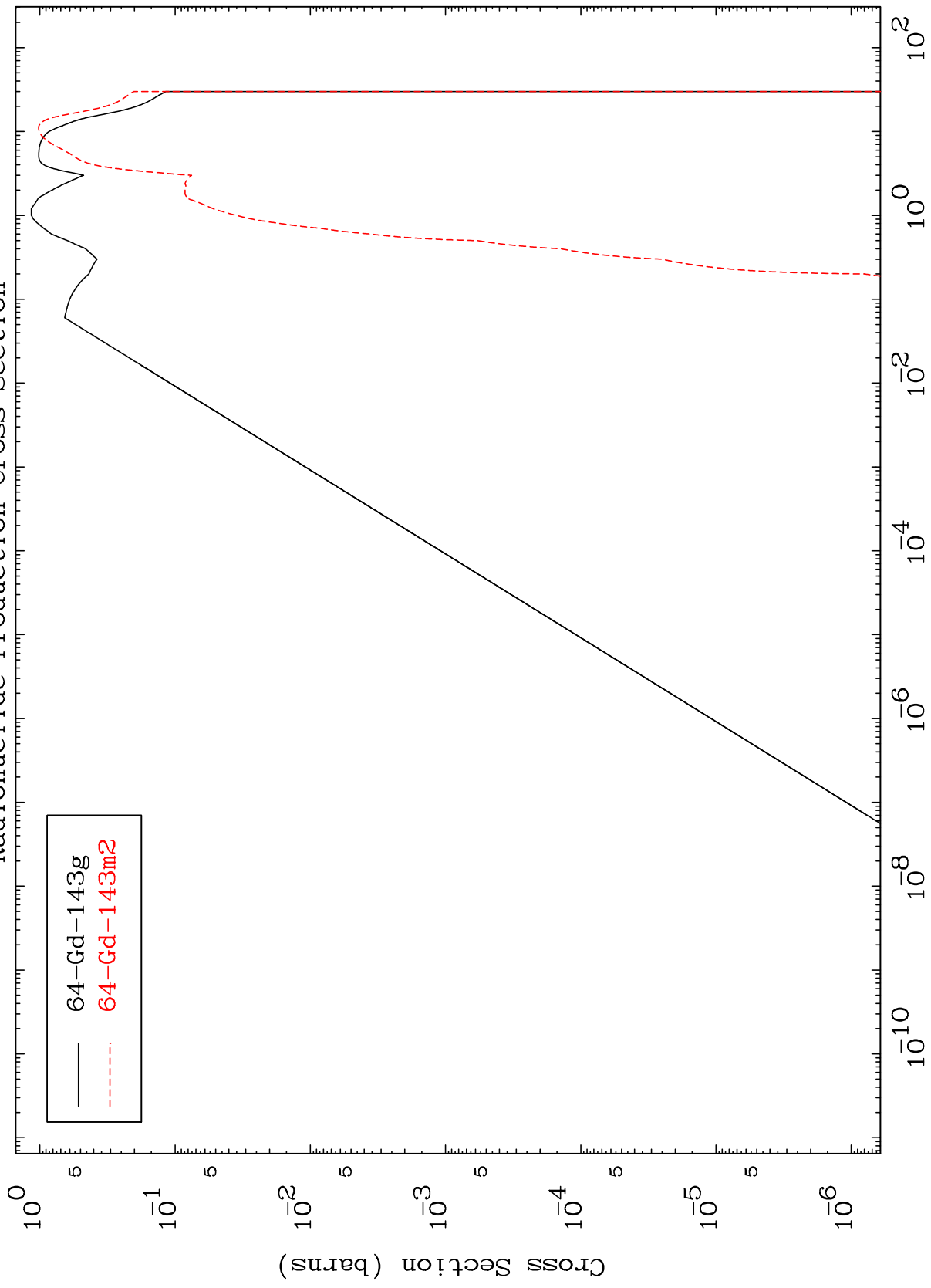
MT= 60 (n, n') Level
Legendre Coefficients

64-Gd-143





Radionuclide Production Cross Section

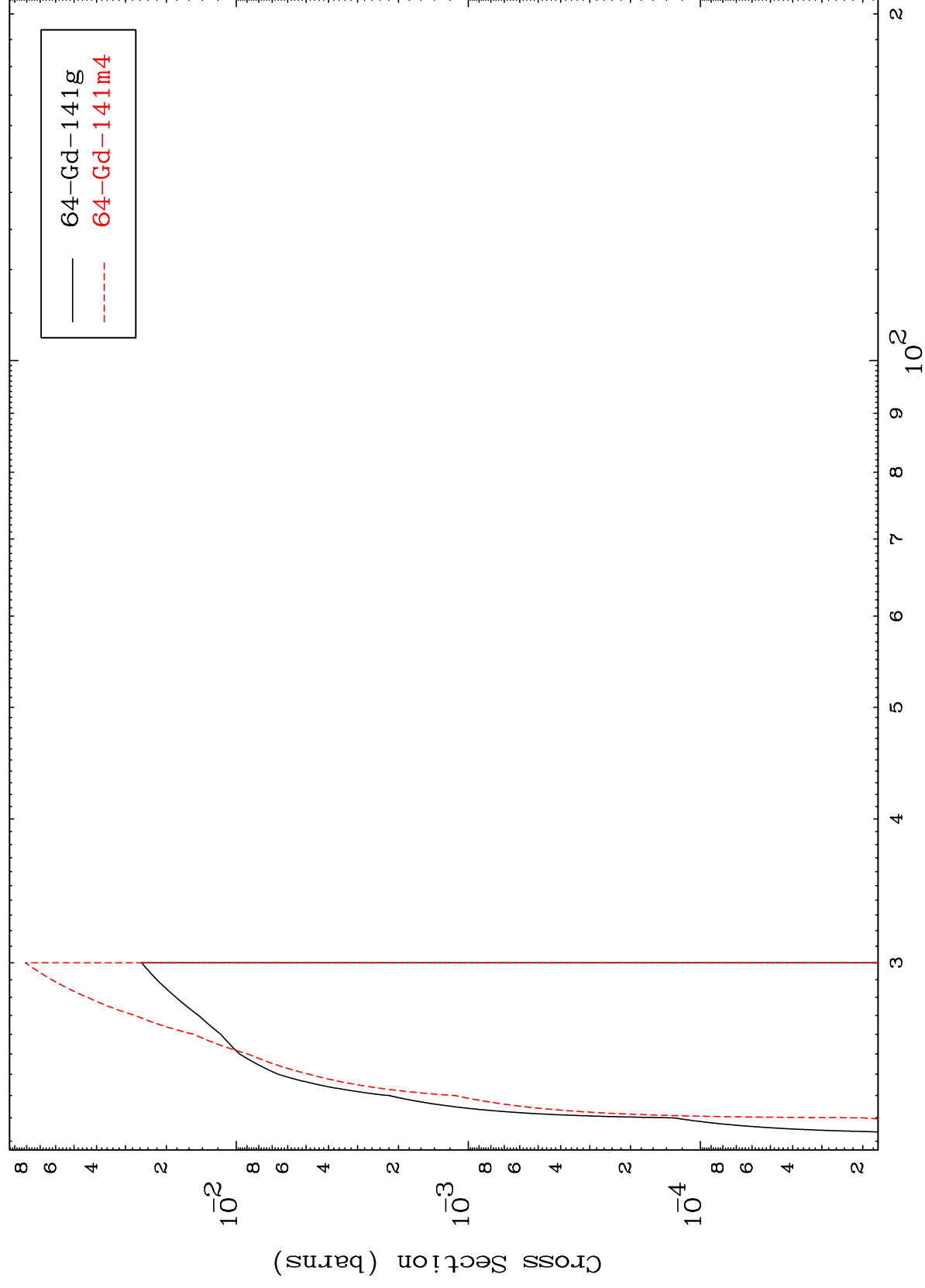


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$$(n, 3n)$$

64-Gd-143

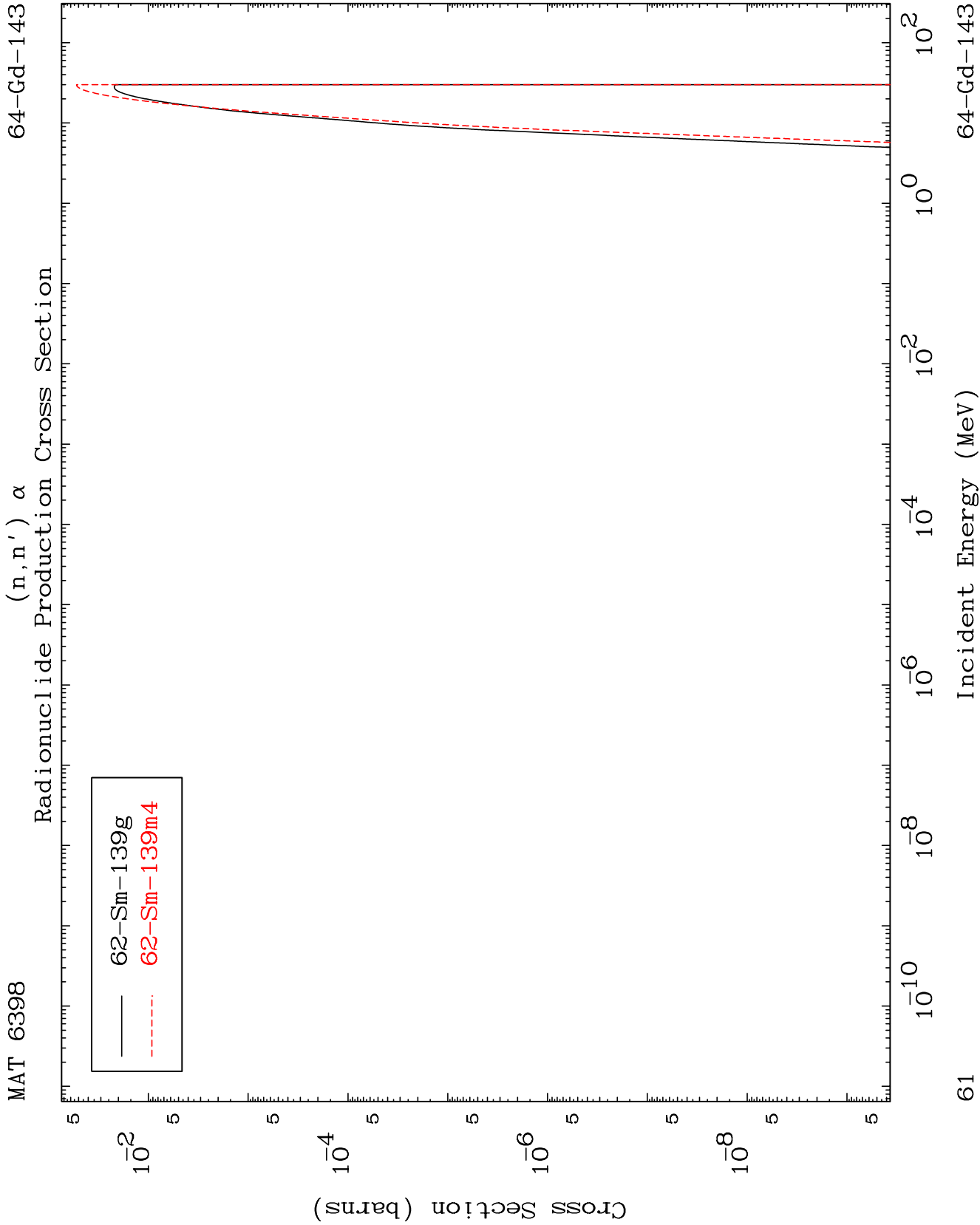
Radionuclide Production Cross Section



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Incident Energy (MeV)

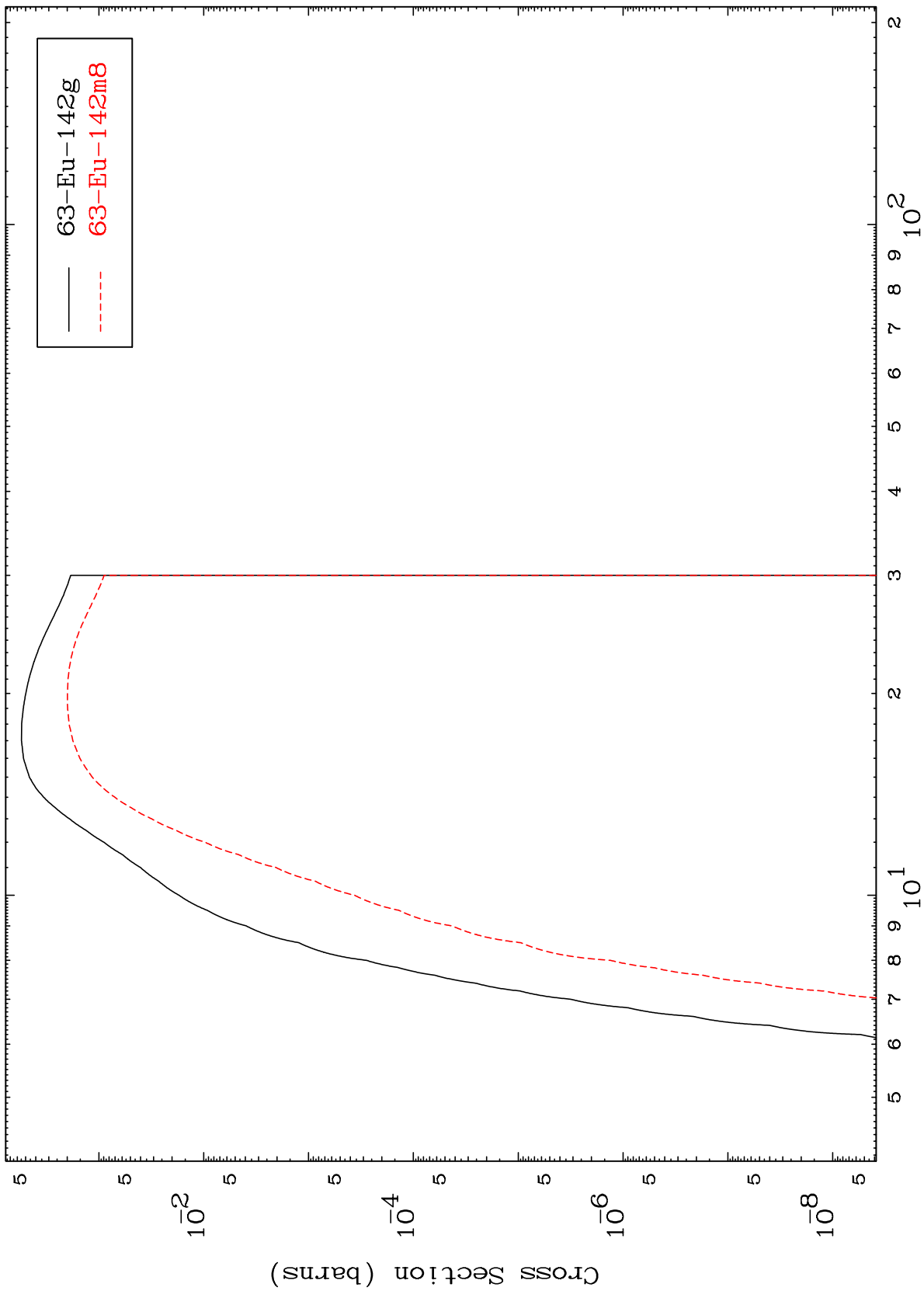
64-Gd-143



MAT 6398

64-Gd-143

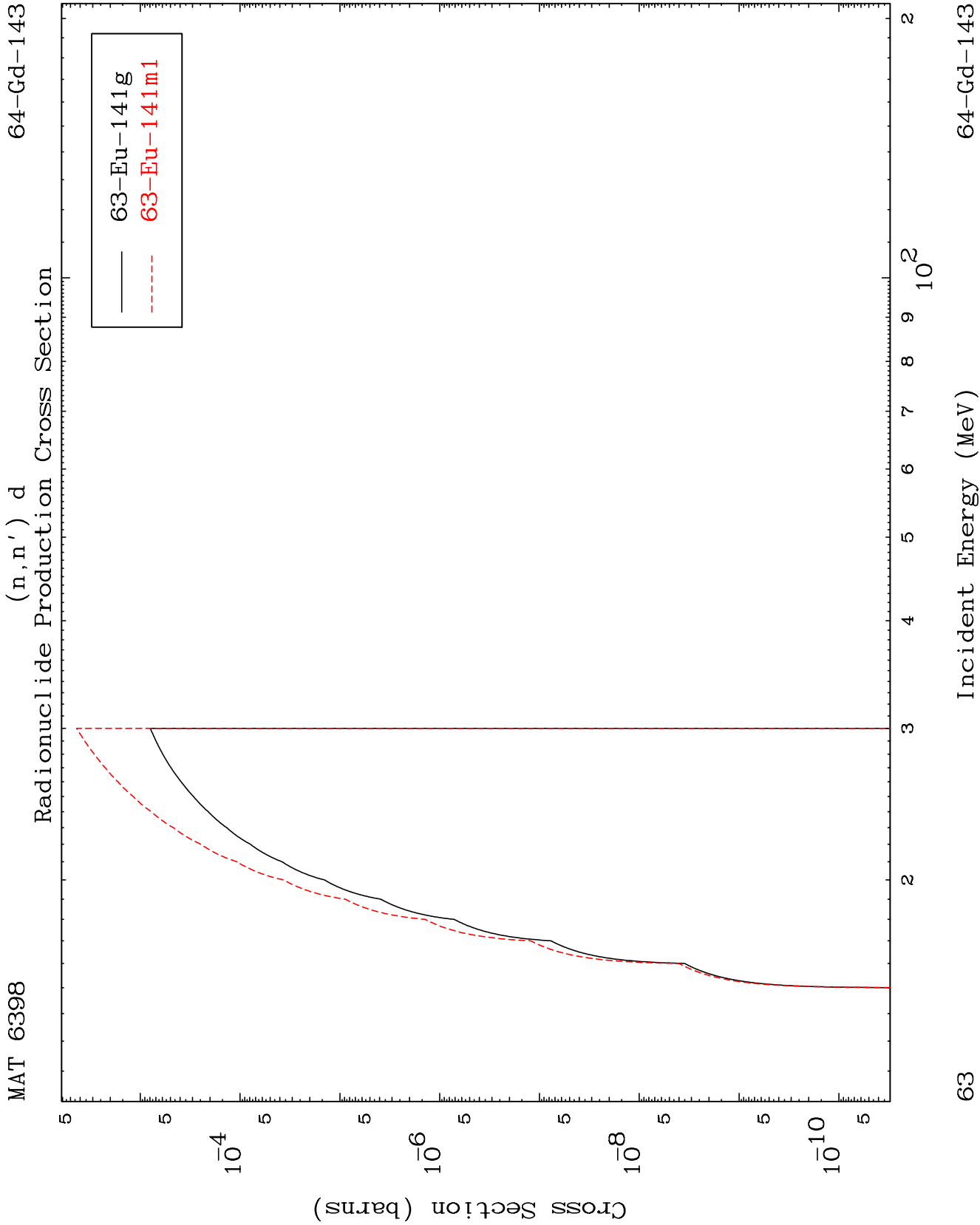
(n,n') p
Radionuclide Production Cross Section

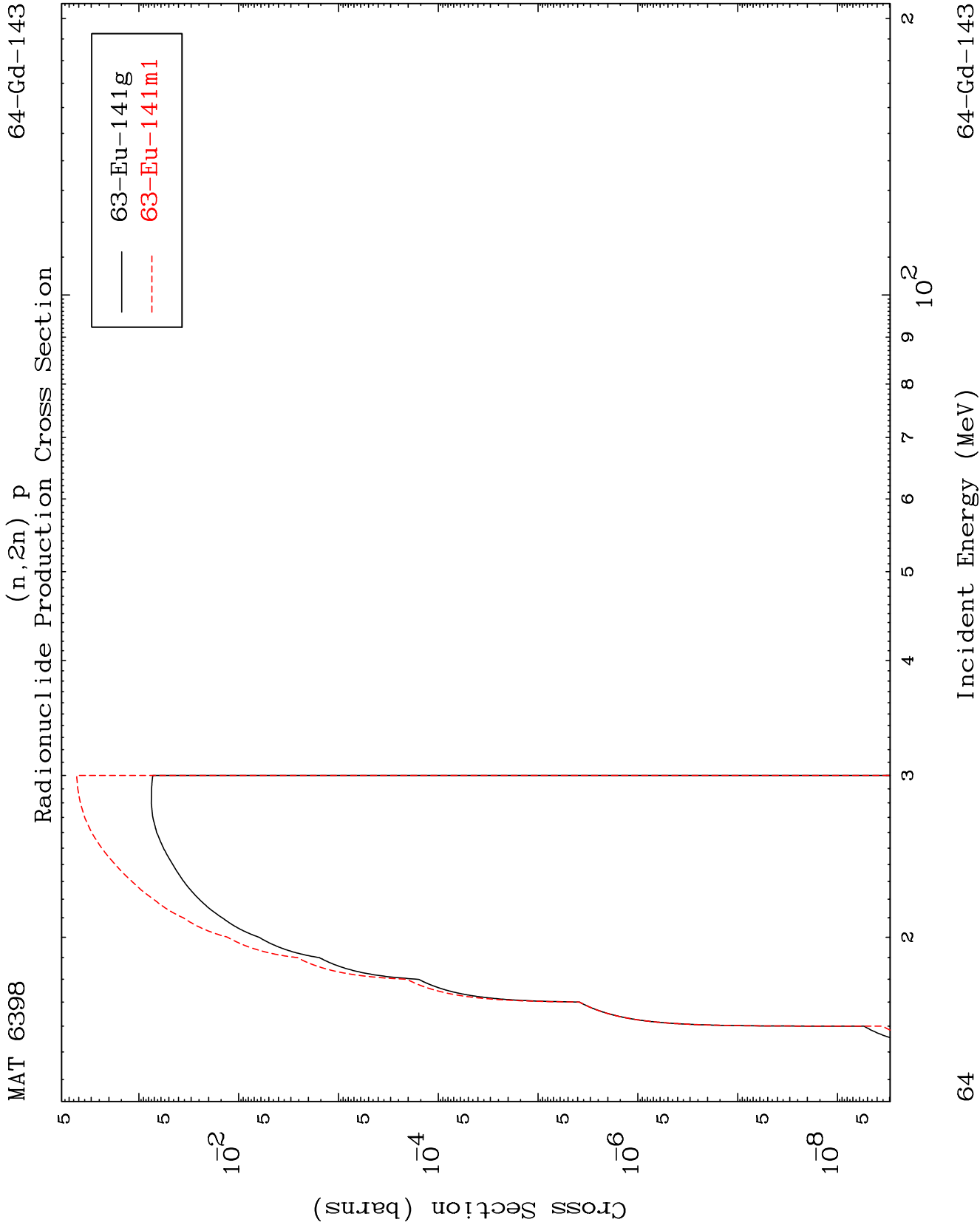


62

Incident Energy (MeV)

64-Gd-143

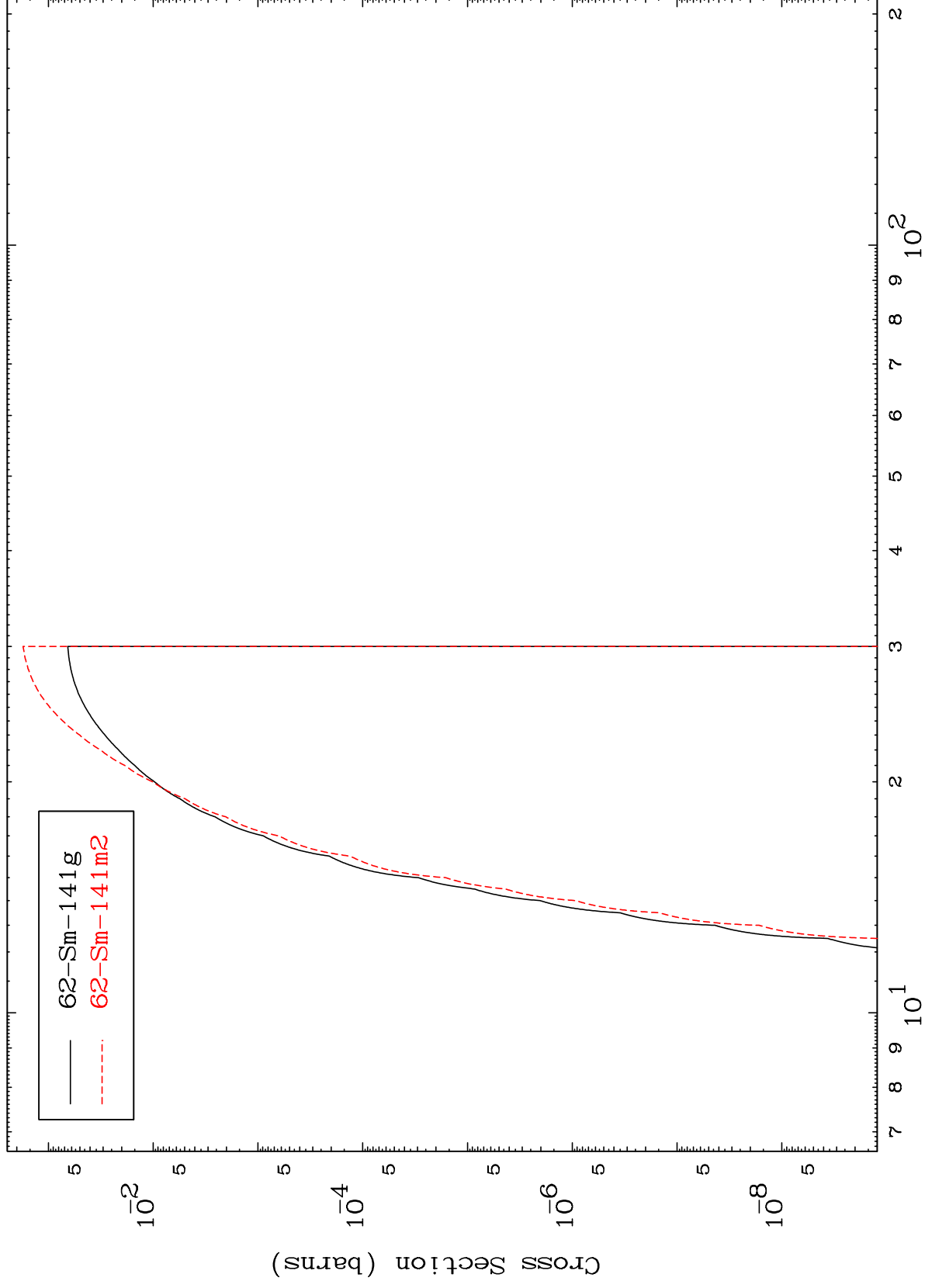




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64-Gd-143

(n,2n) p
Radionuclide Production Cross Section



65

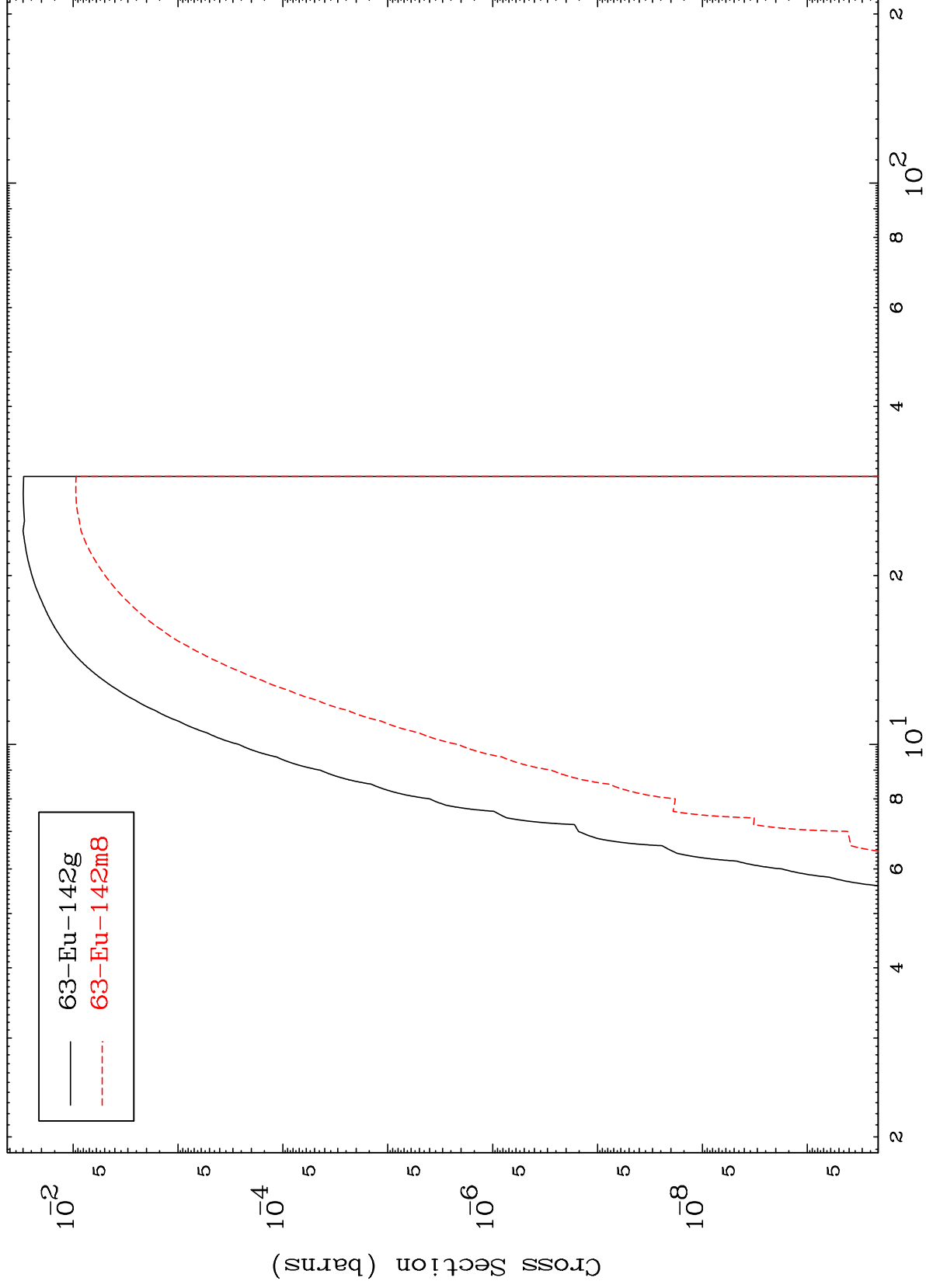
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

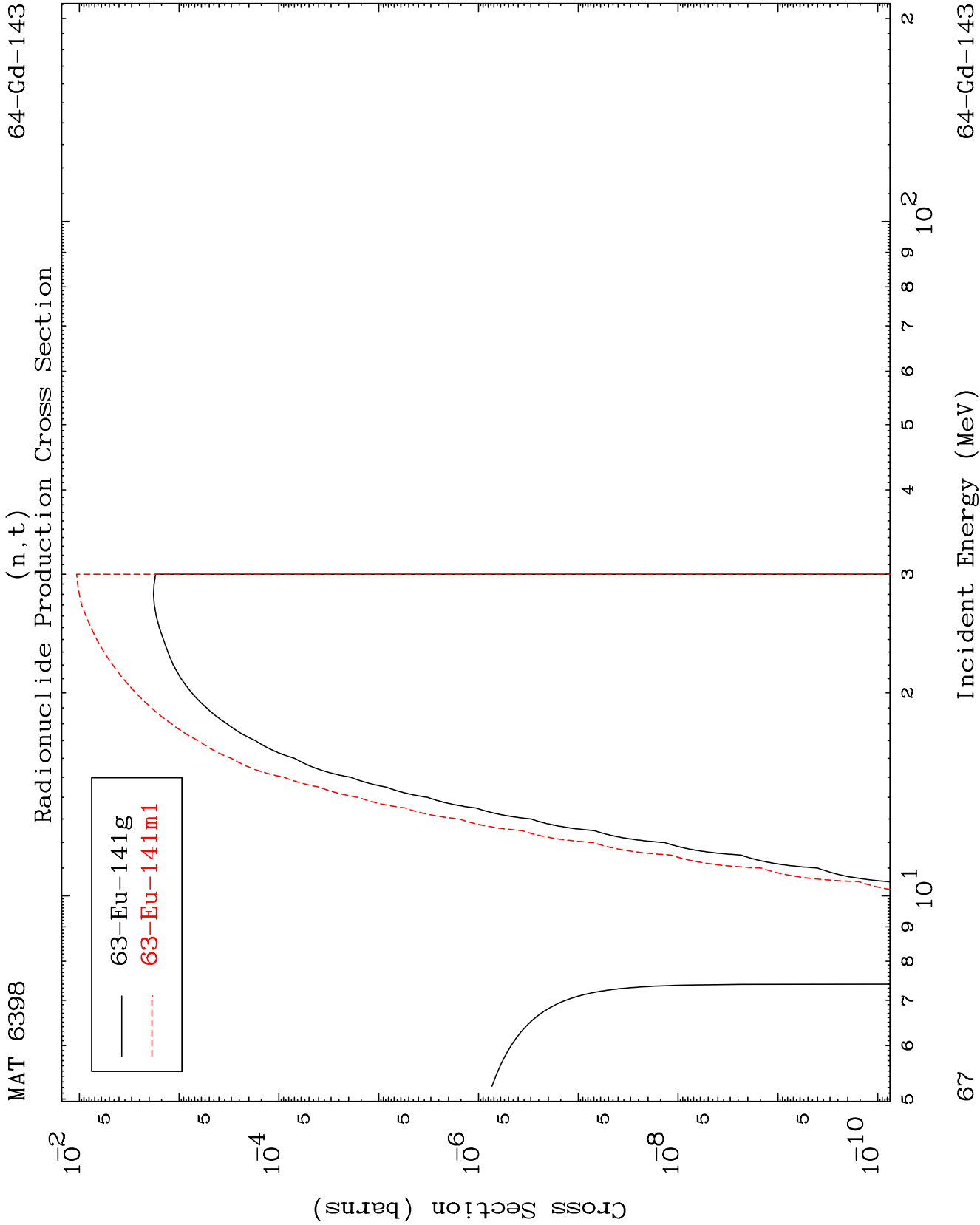
(n,d)
Radionuclide Production Cross Section

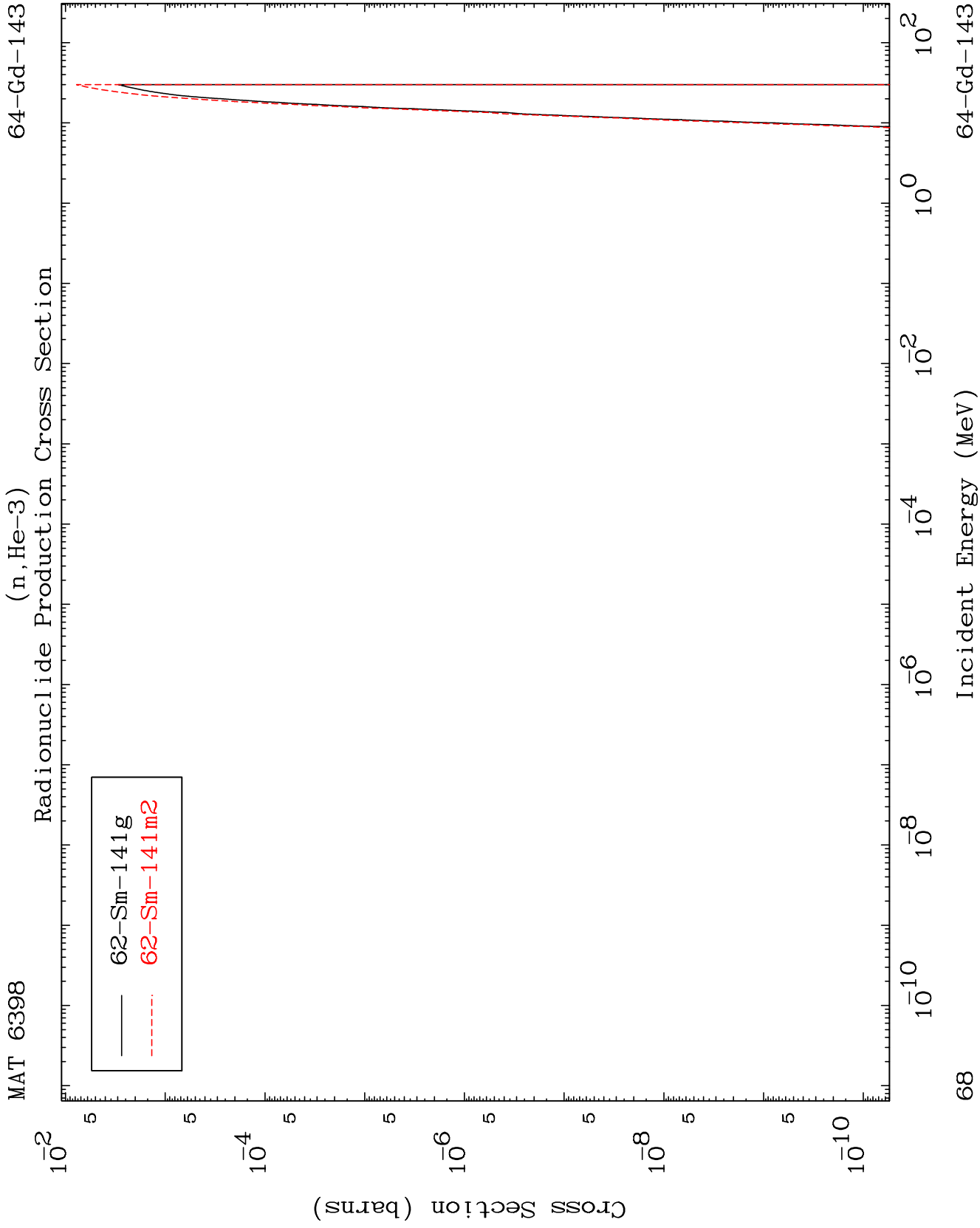


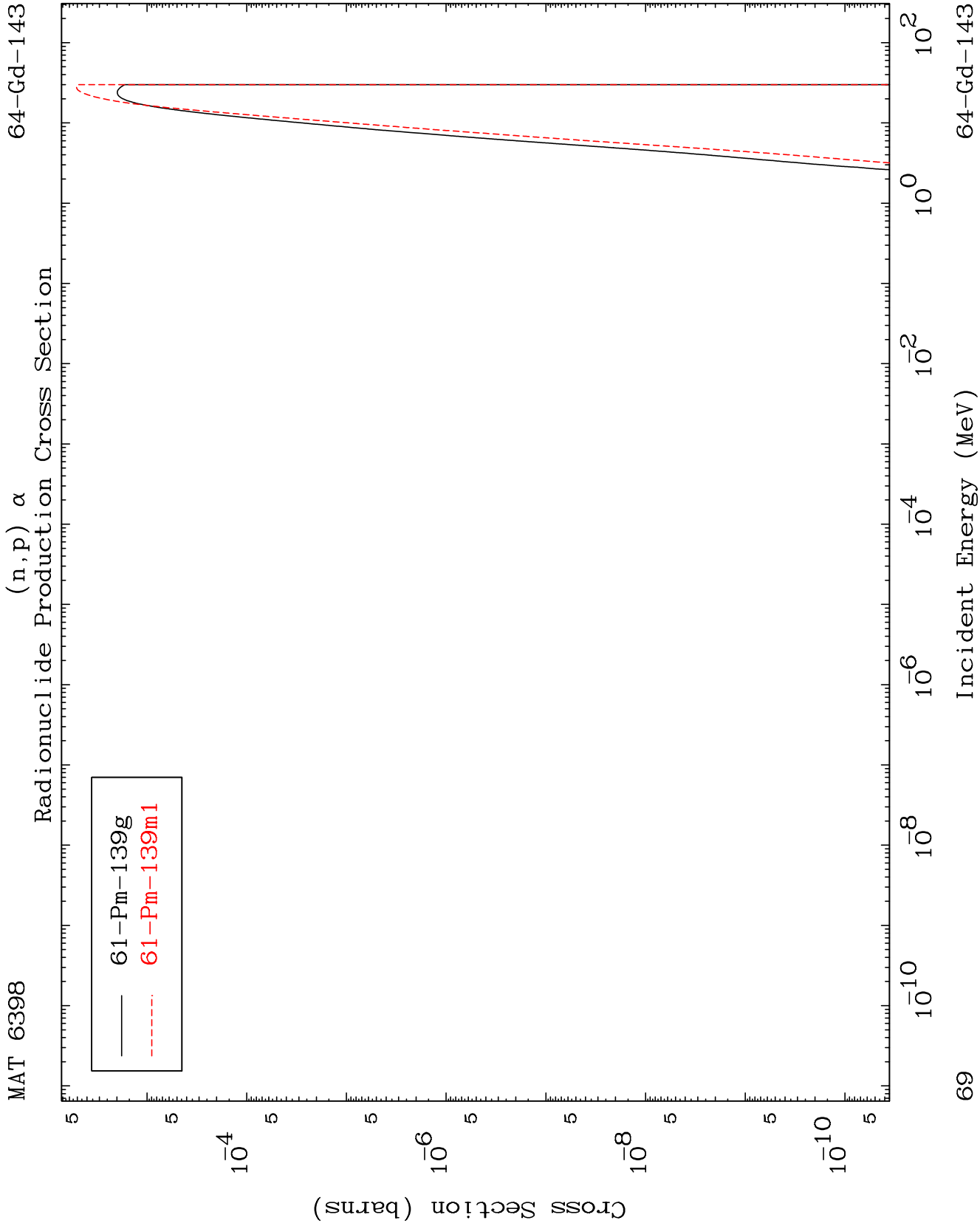
66

Incident Energy (MeV)

64-Gd-143





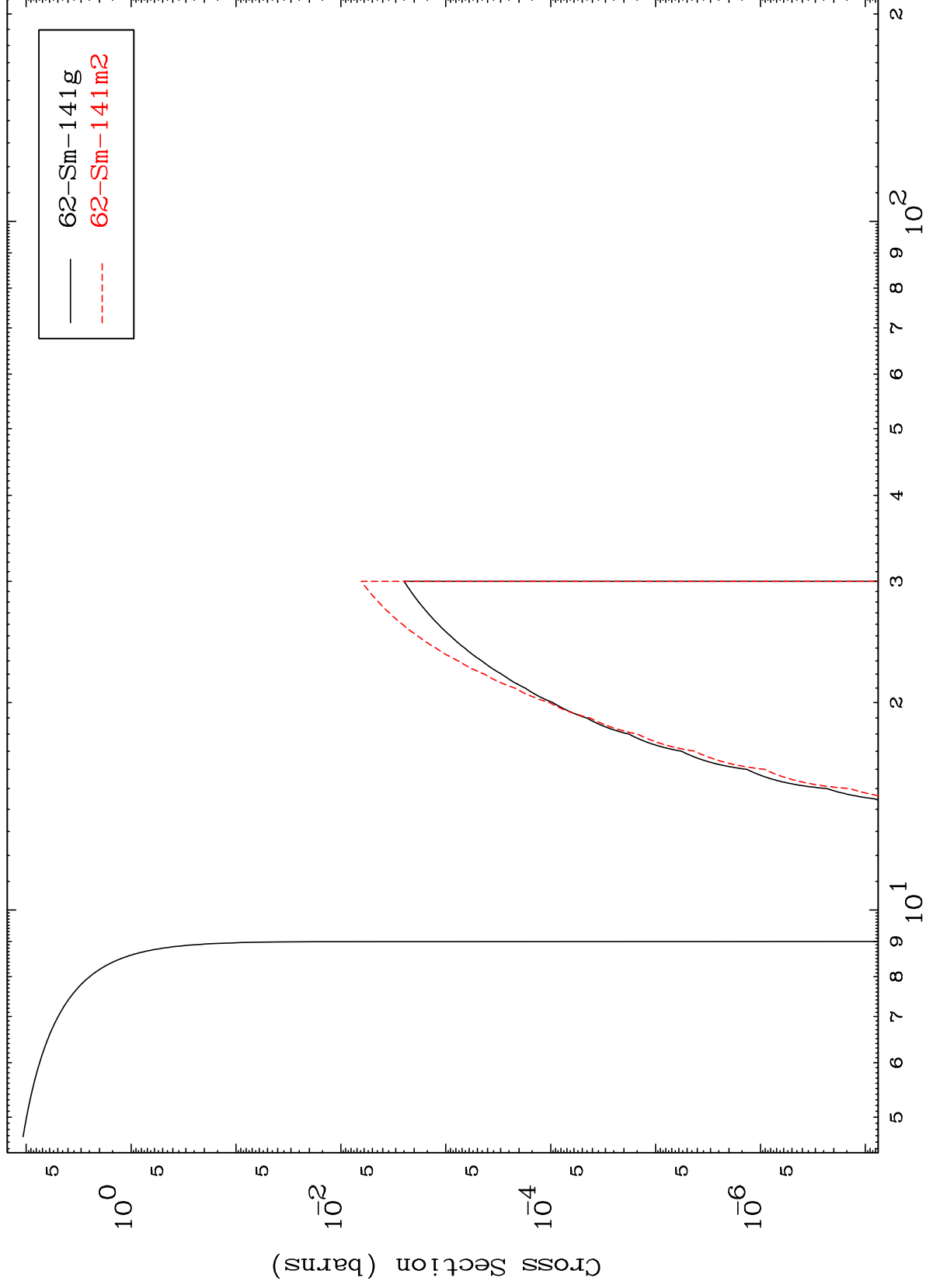


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(n,p) d

64-Gd-143

Radionuclide Production Cross Section



70

Incident Energy (MeV)

64-Gd-143