

Program EVALPLOT
(Version 2017-1)

by

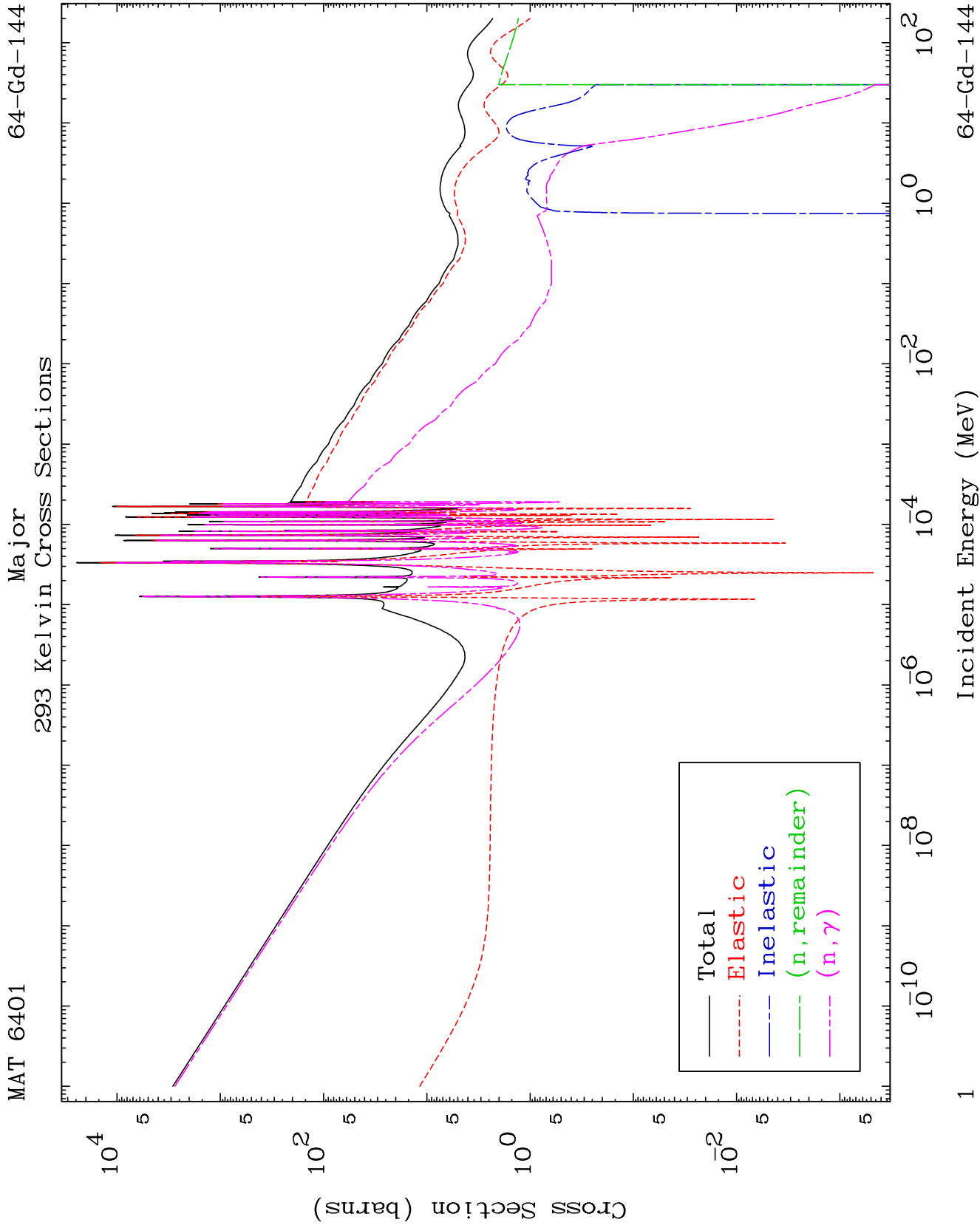
Dermott E. Cullen
(Present Contact Information)

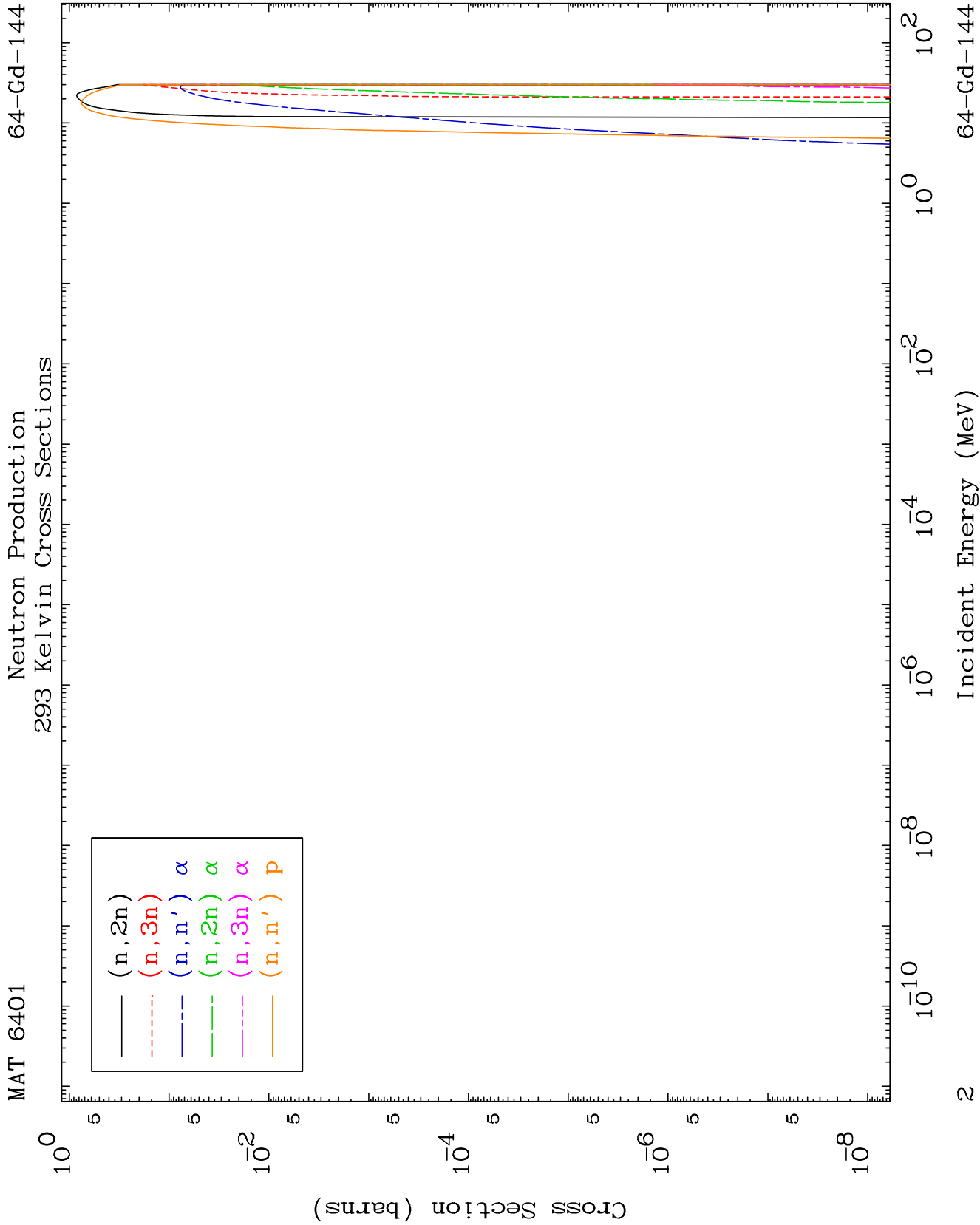
Dermott E. Cullen
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Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

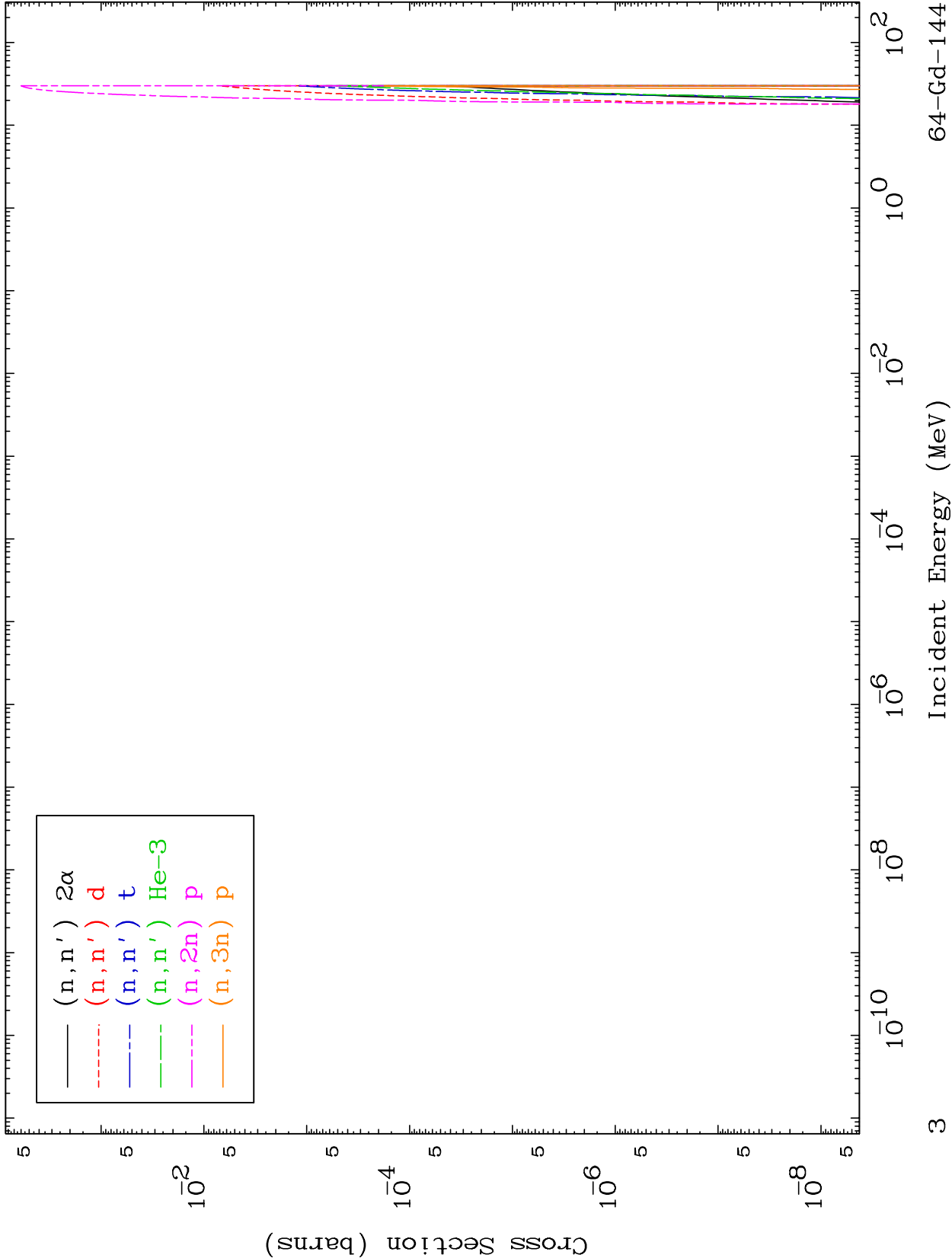


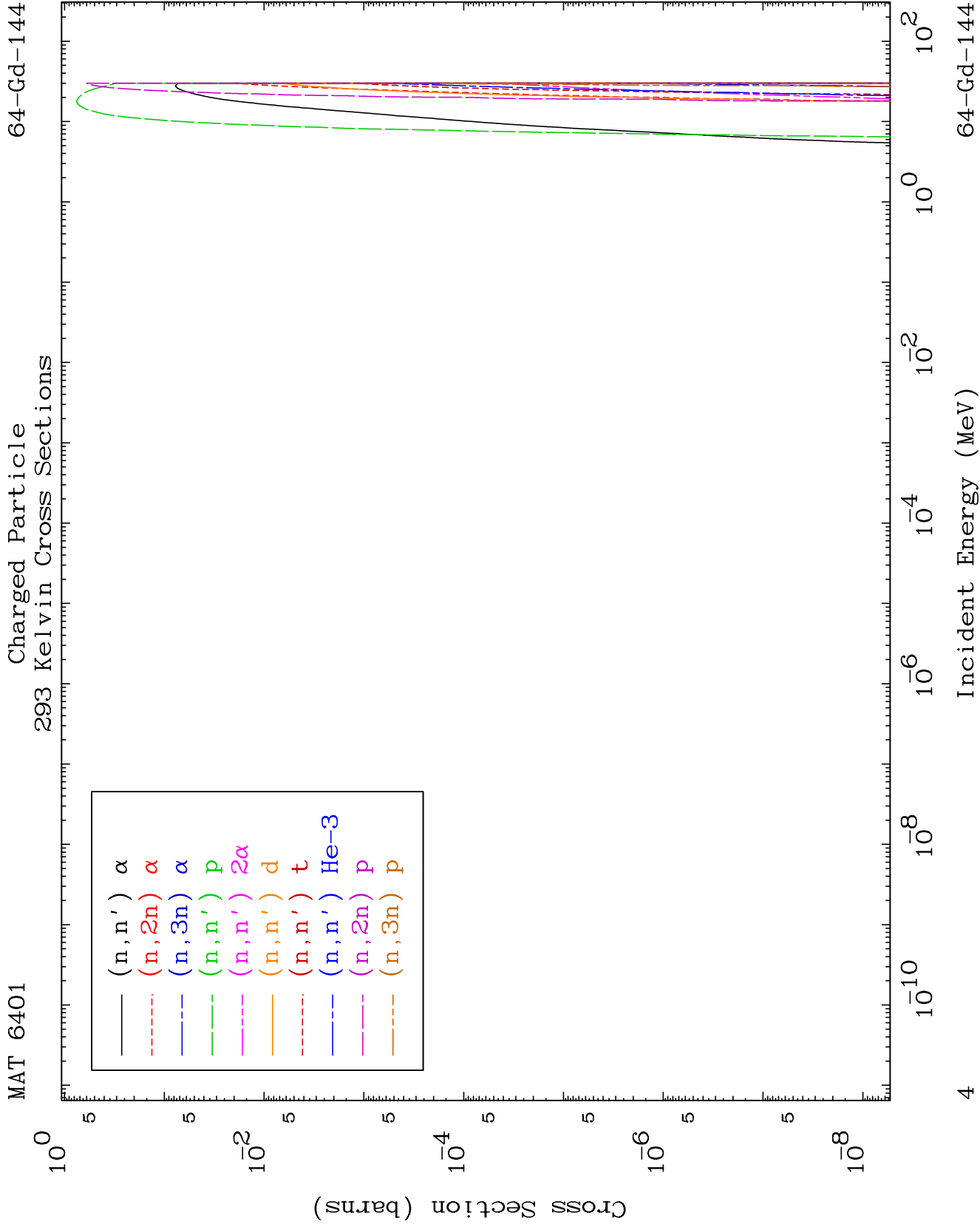


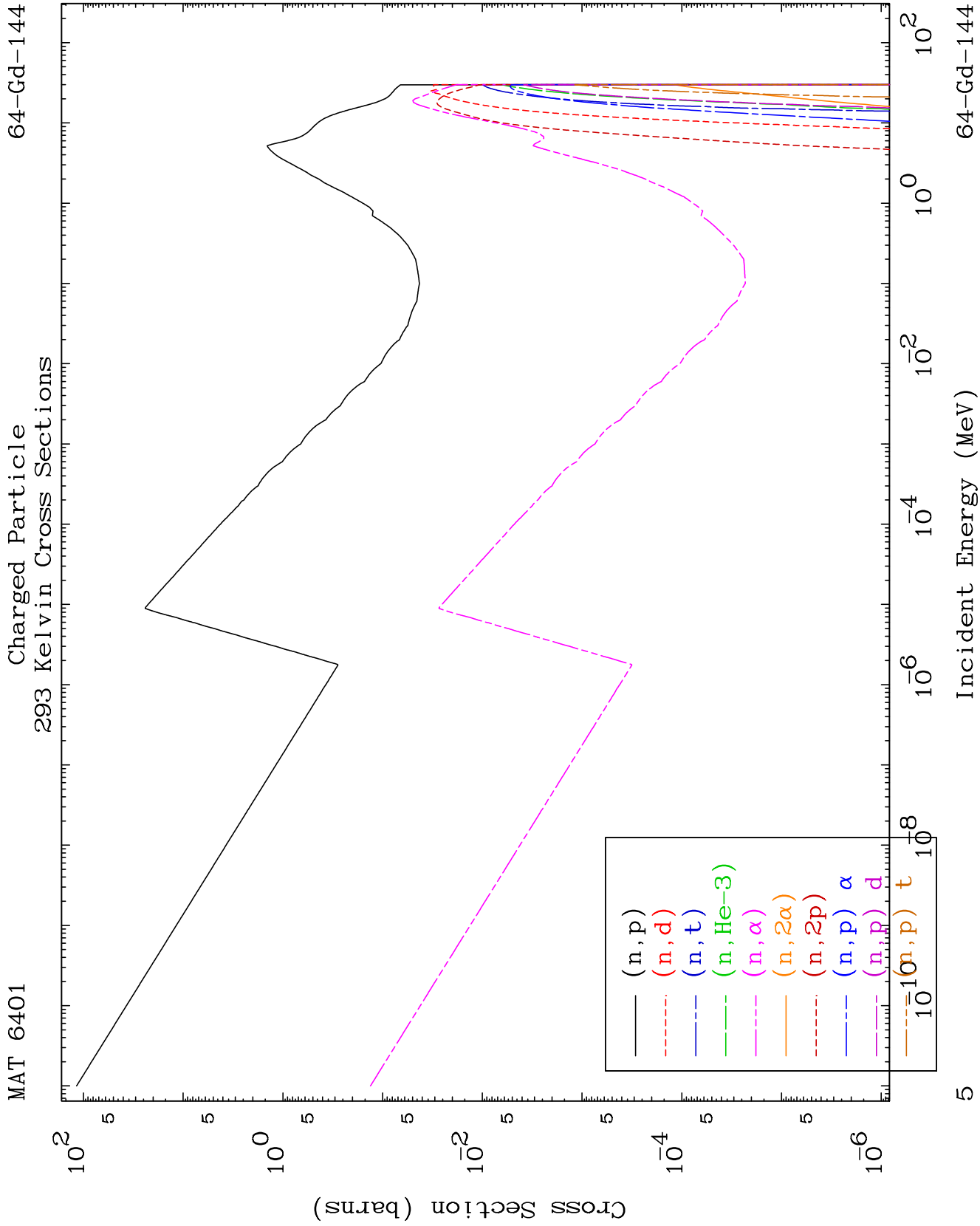
MAT 6401

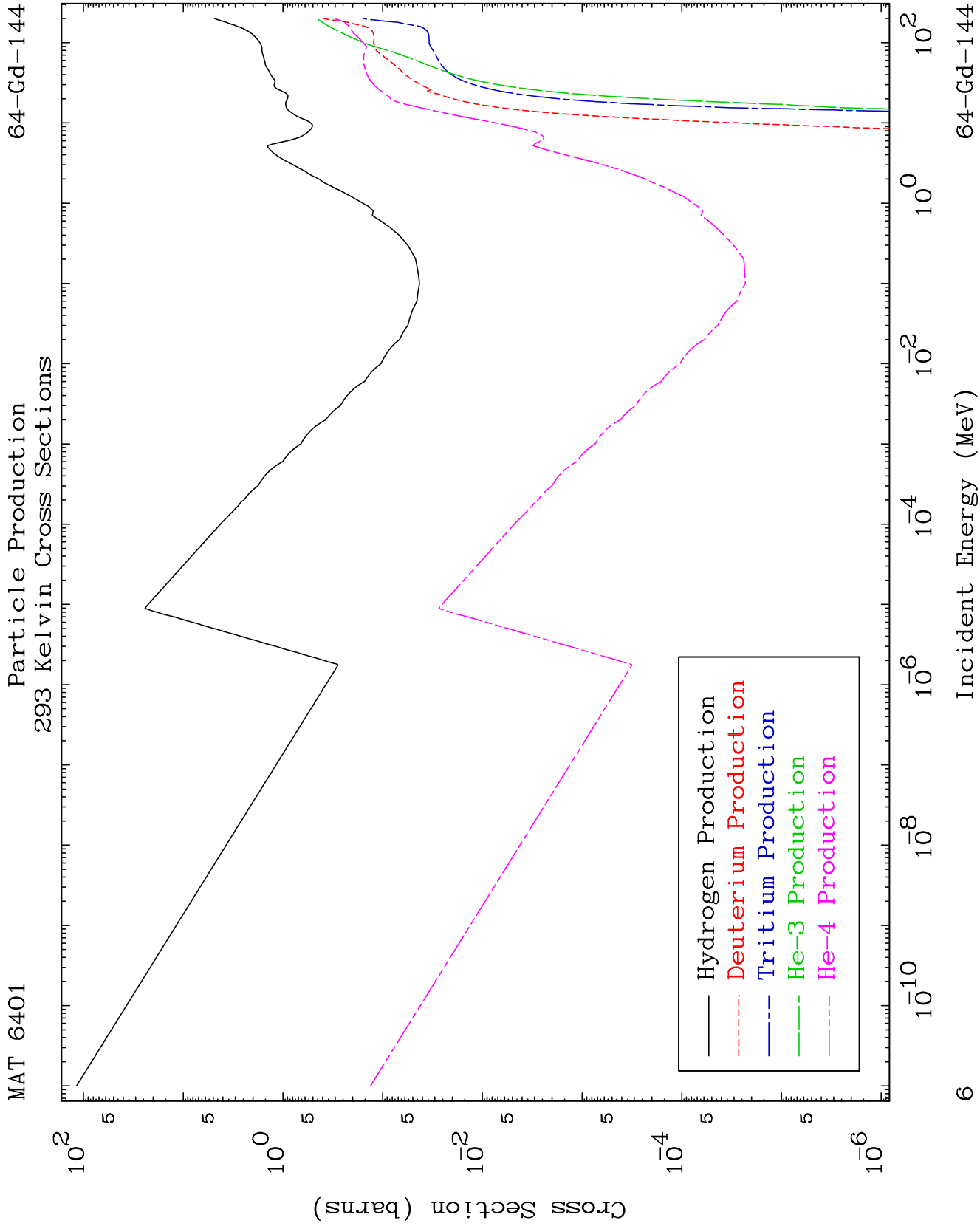
Neutron Production
293 Kelvin Cross Sections

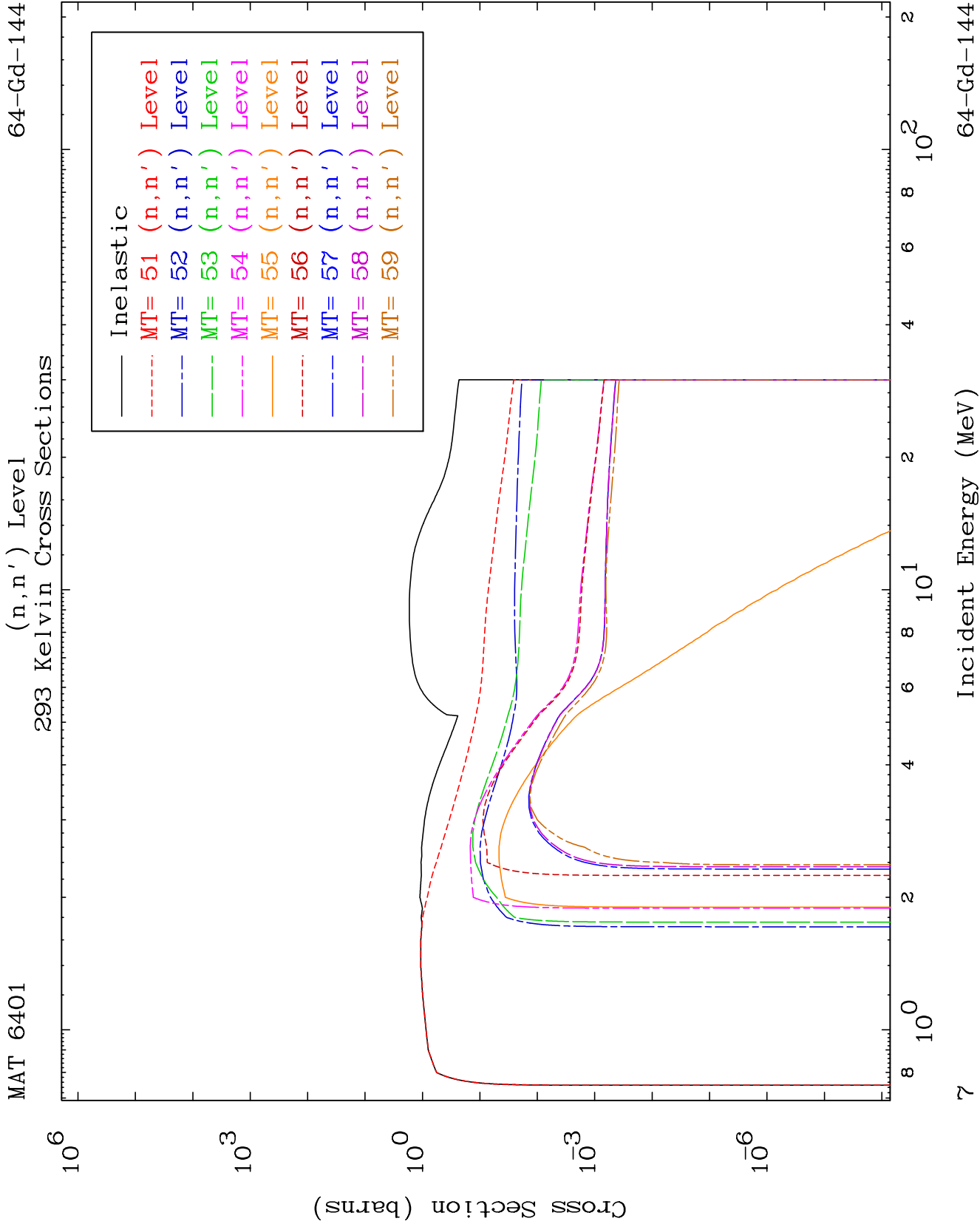
64-Gd-144

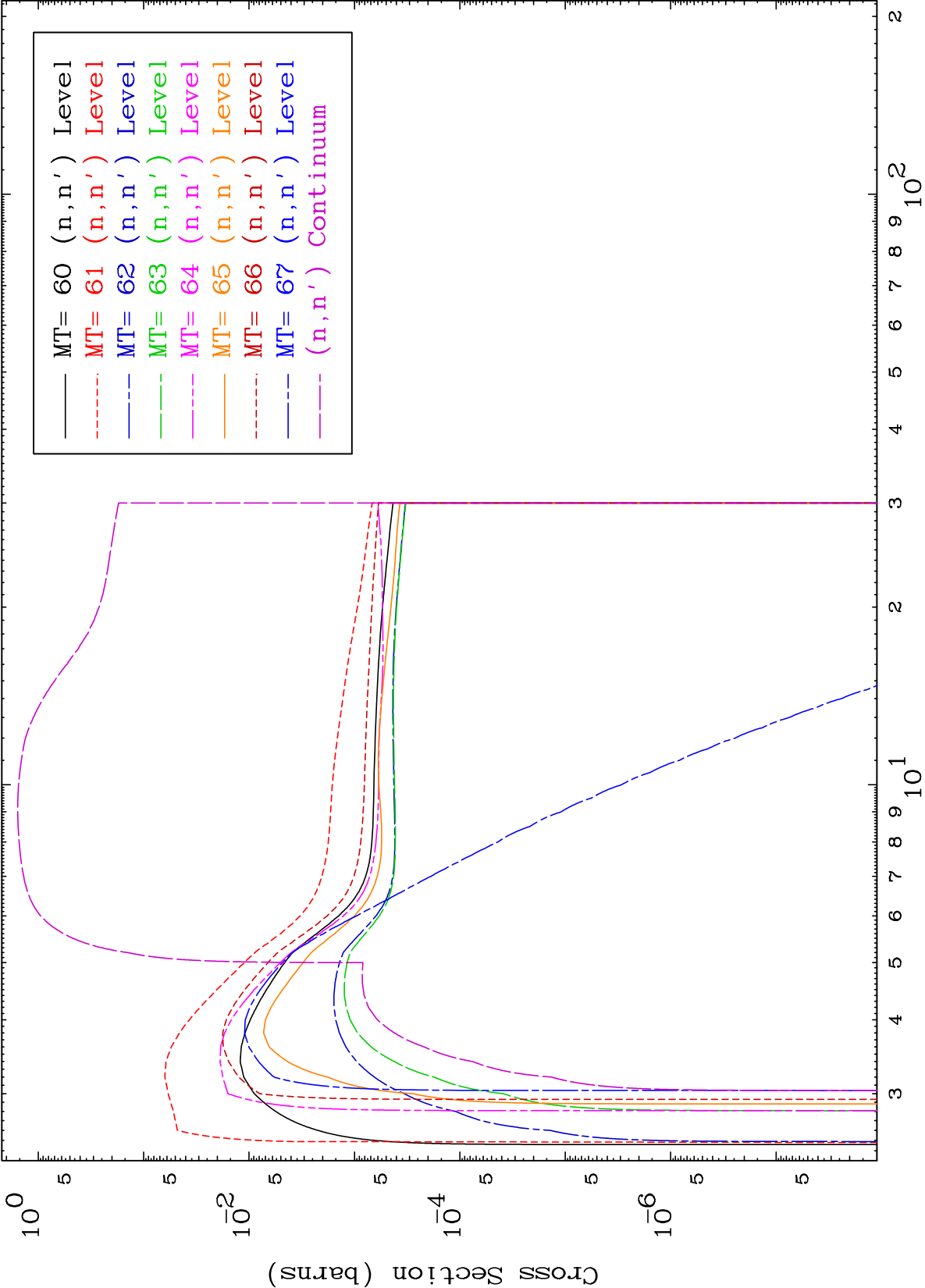


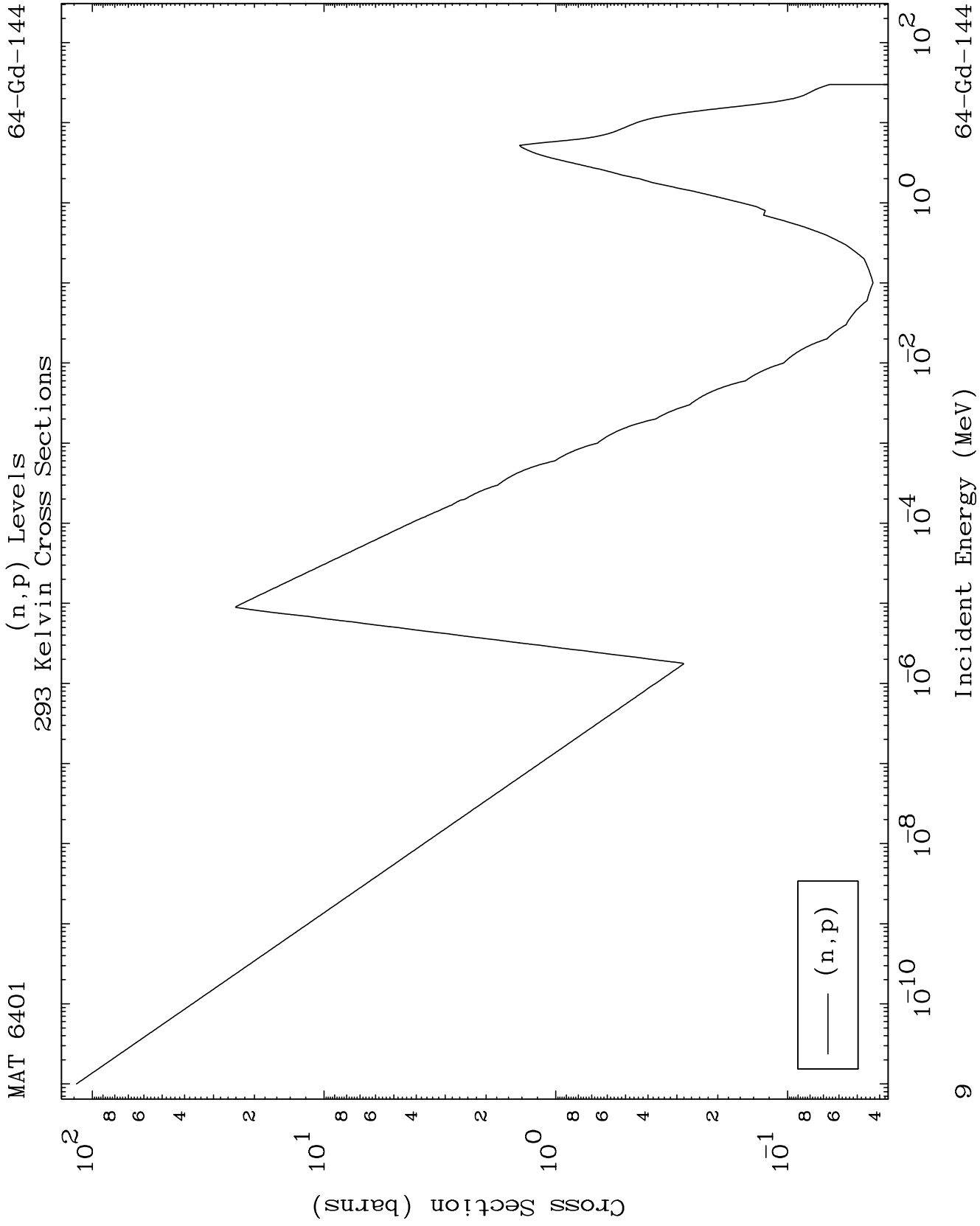








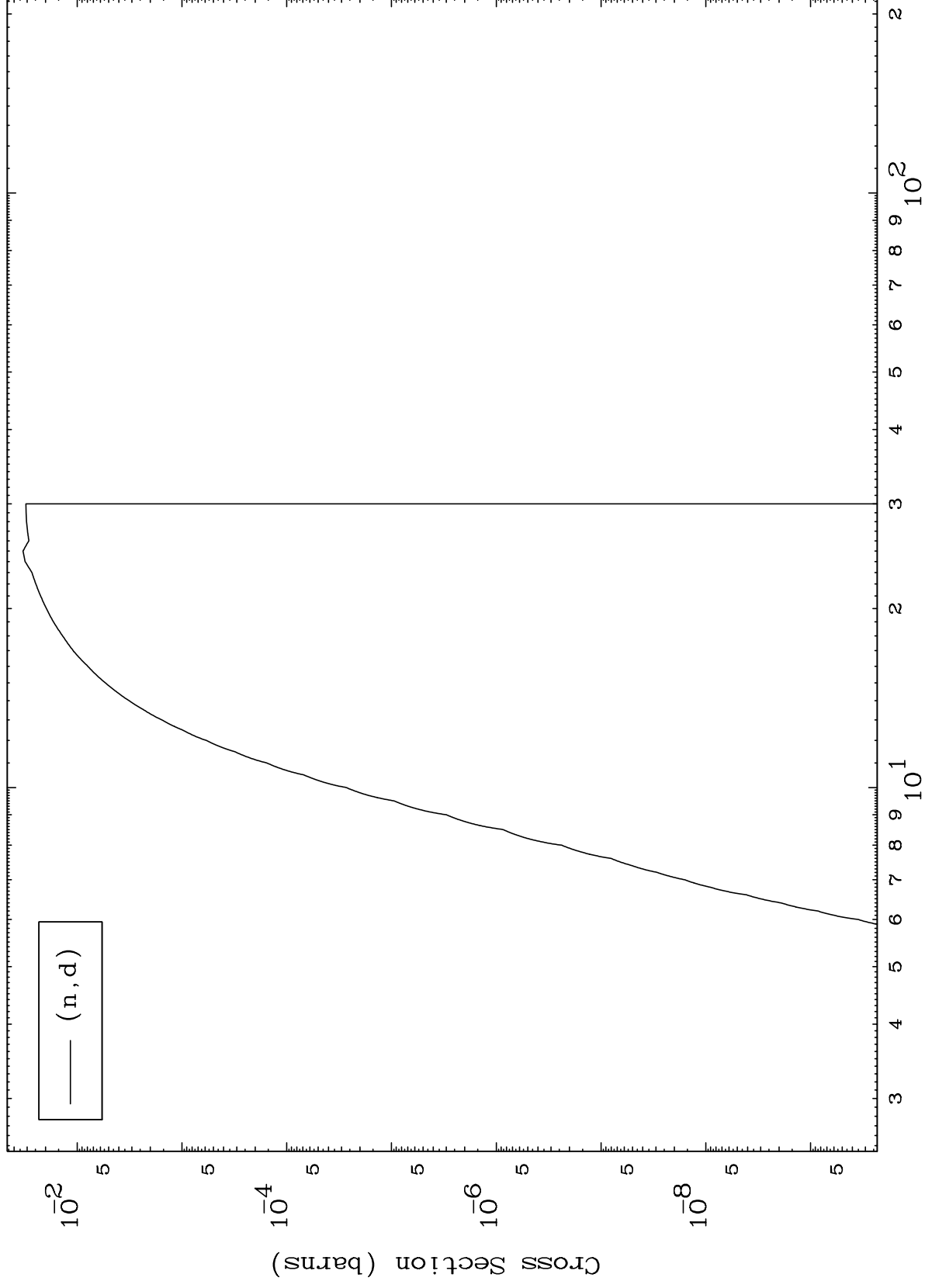




MAT 6401

(n,d) Levels
293 Kelvin Cross Sections

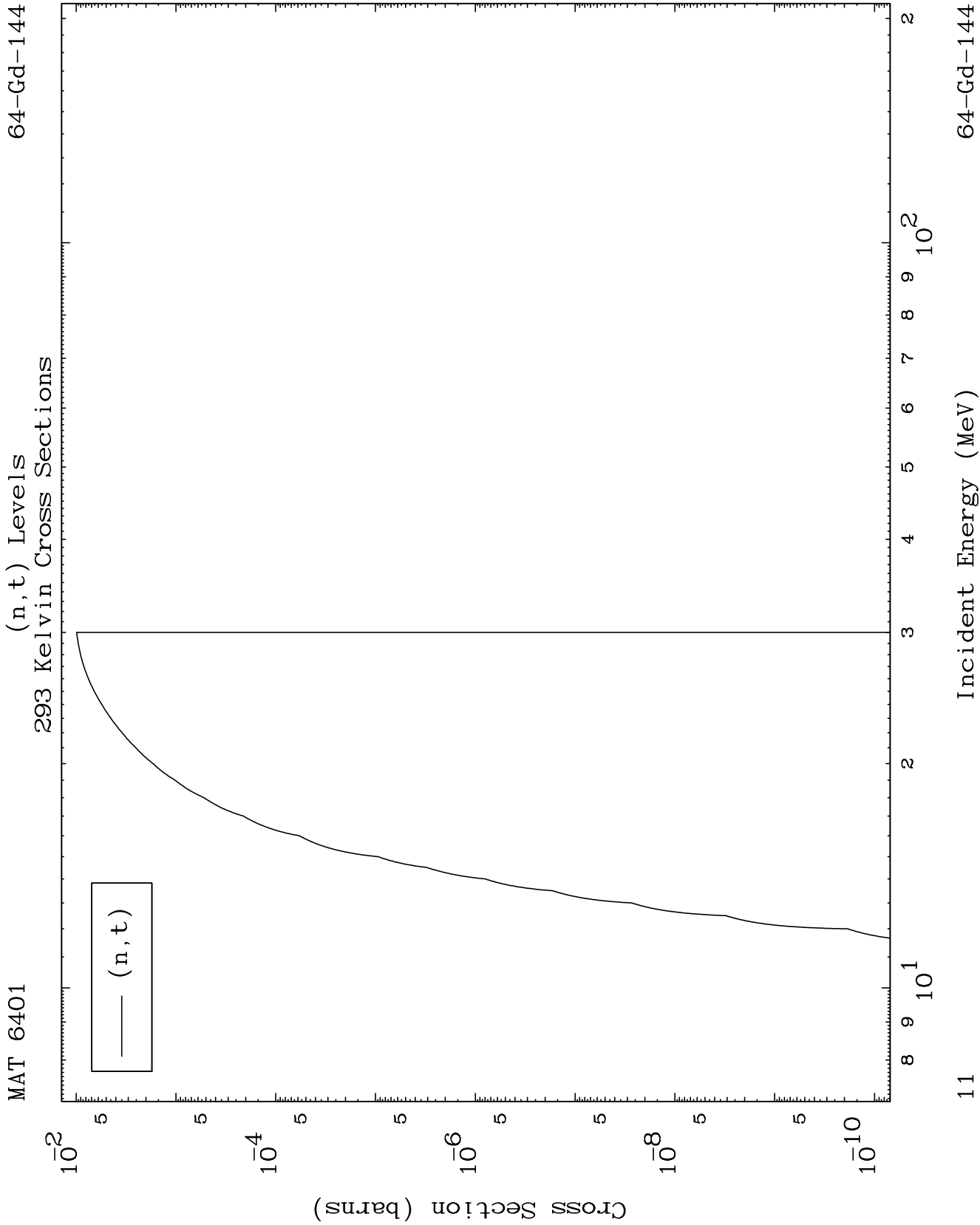
64-Gd-144



10

Incident Energy (MeV)

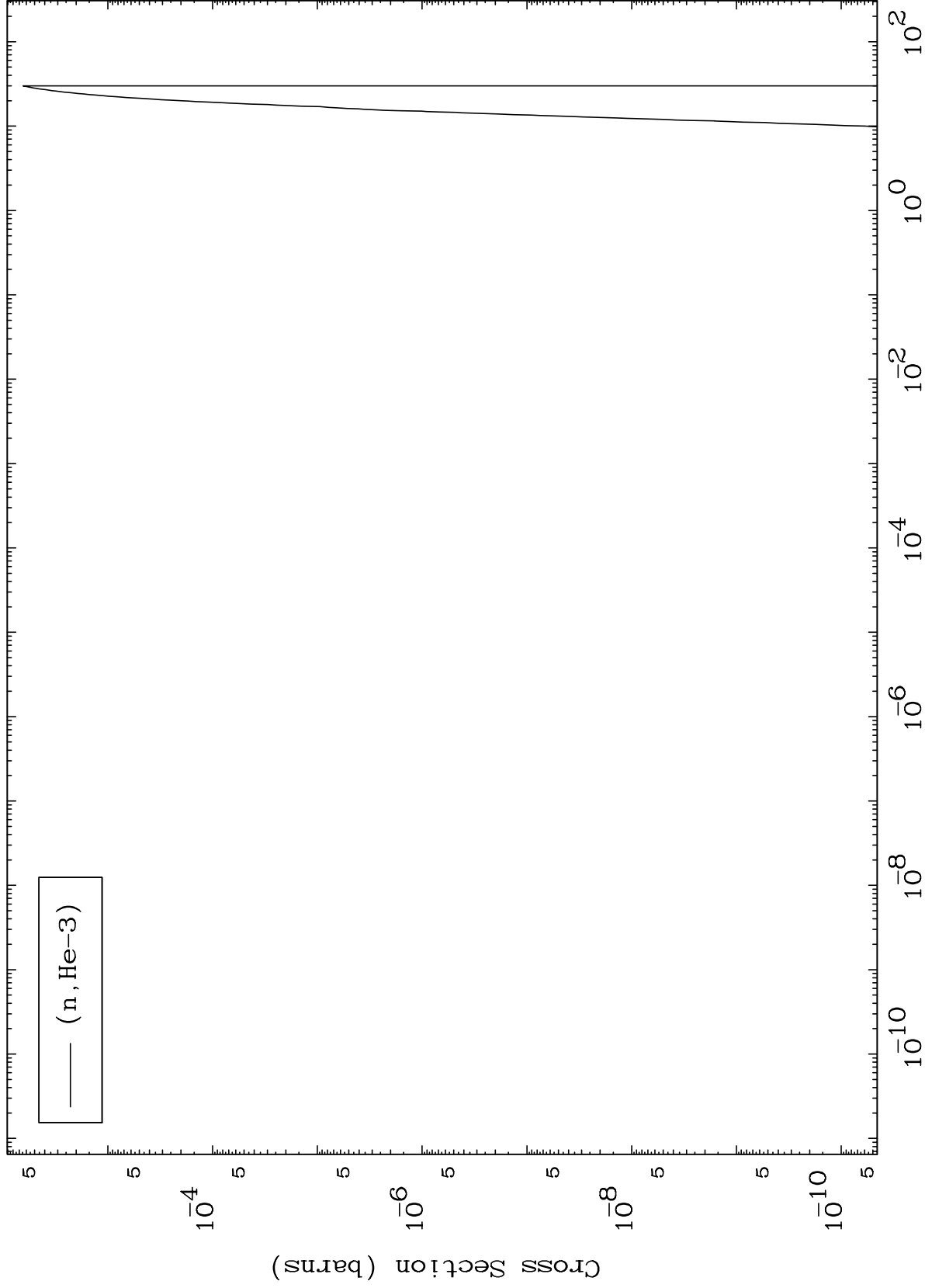
64-Gd-144



MAT 6401

(n,He3) Levels
293 Kelvin Cross Sections

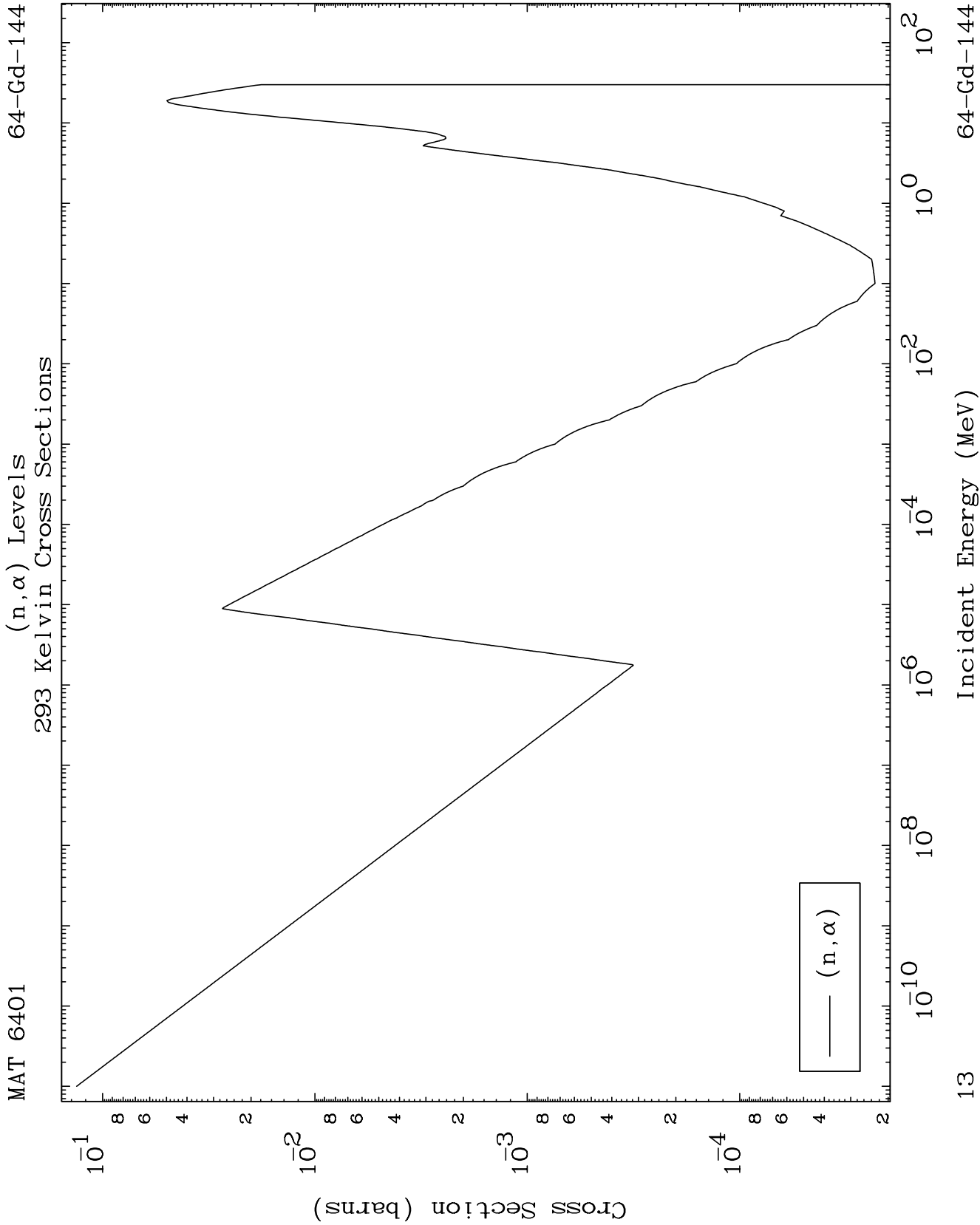
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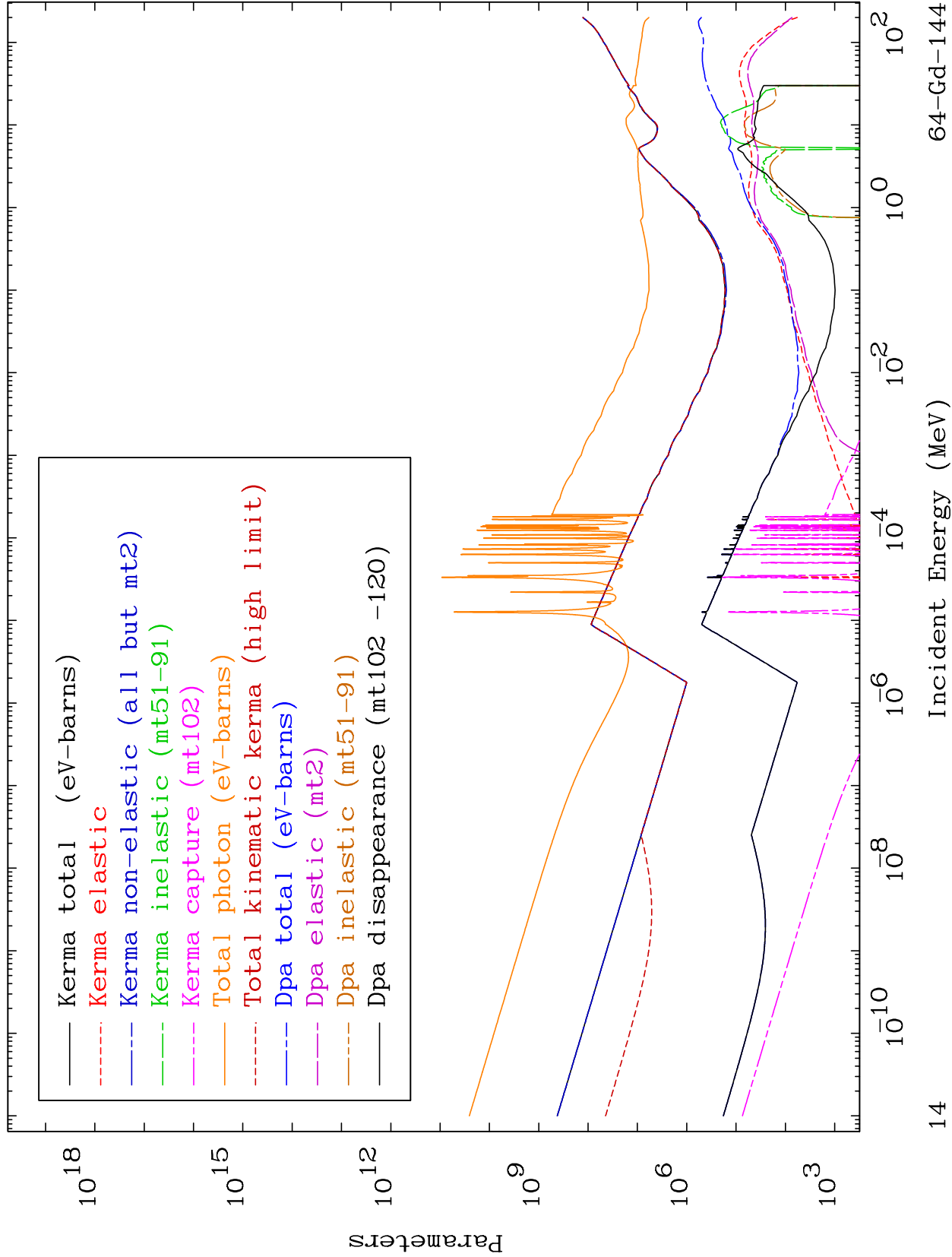


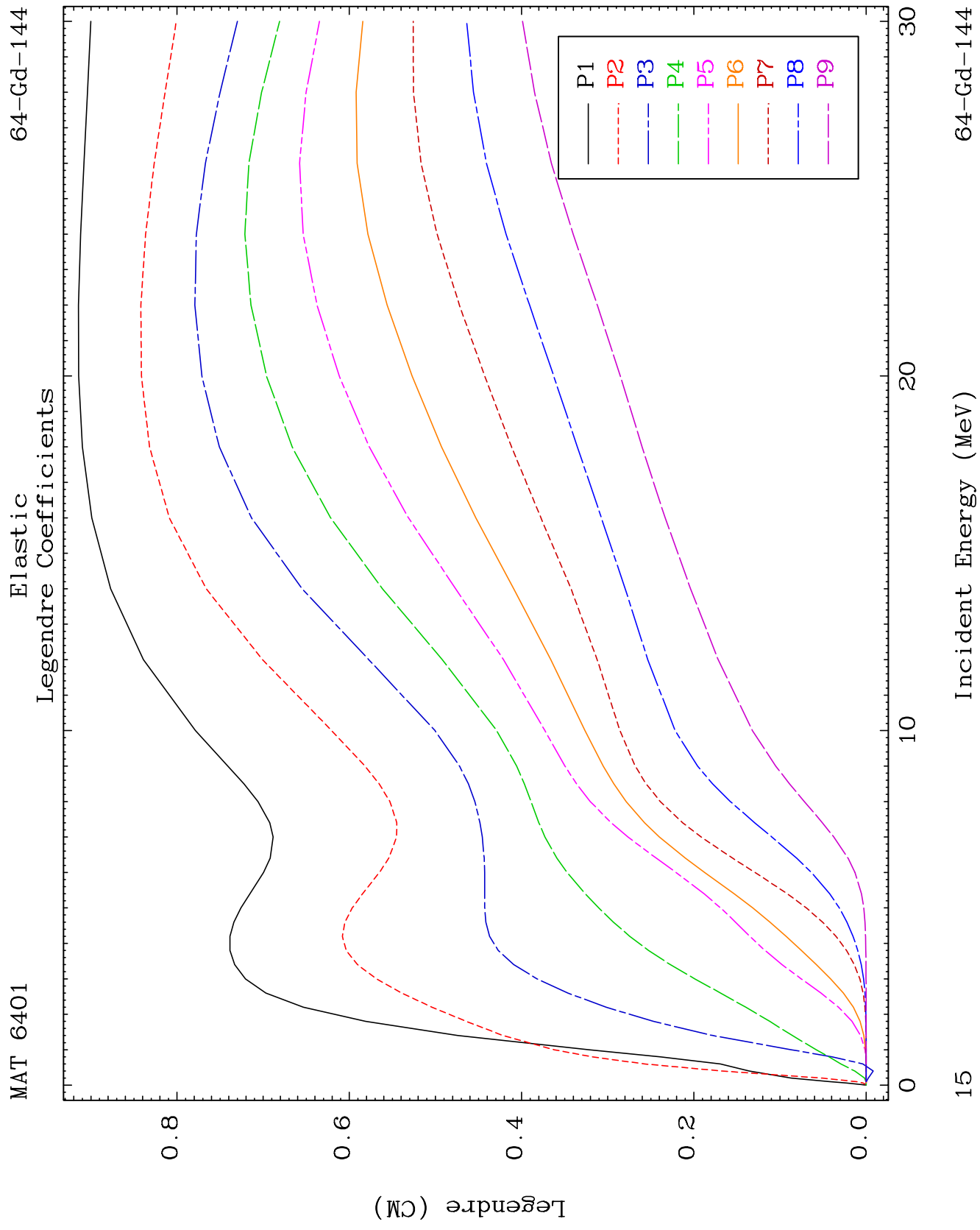
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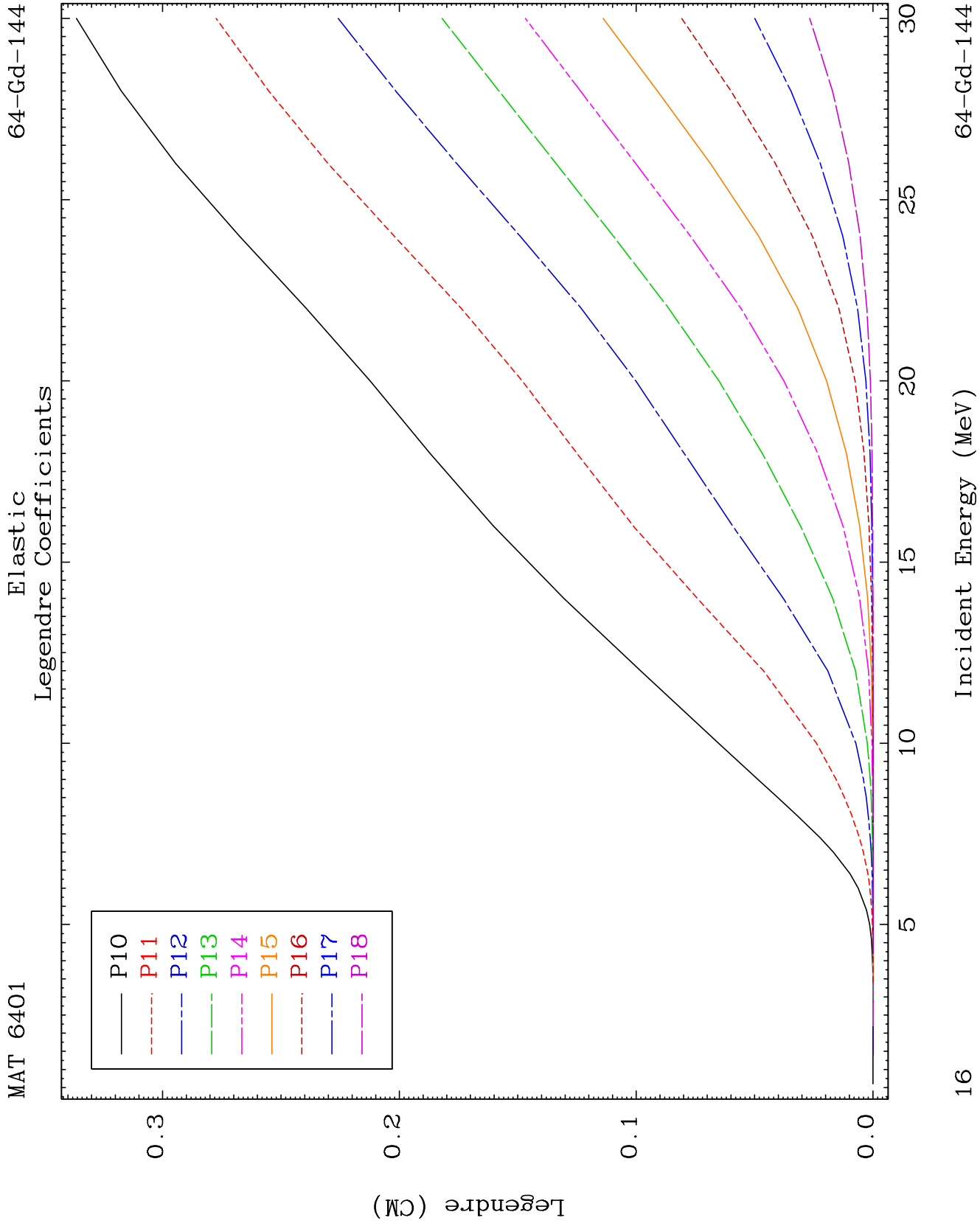
Incident Energy (MeV)

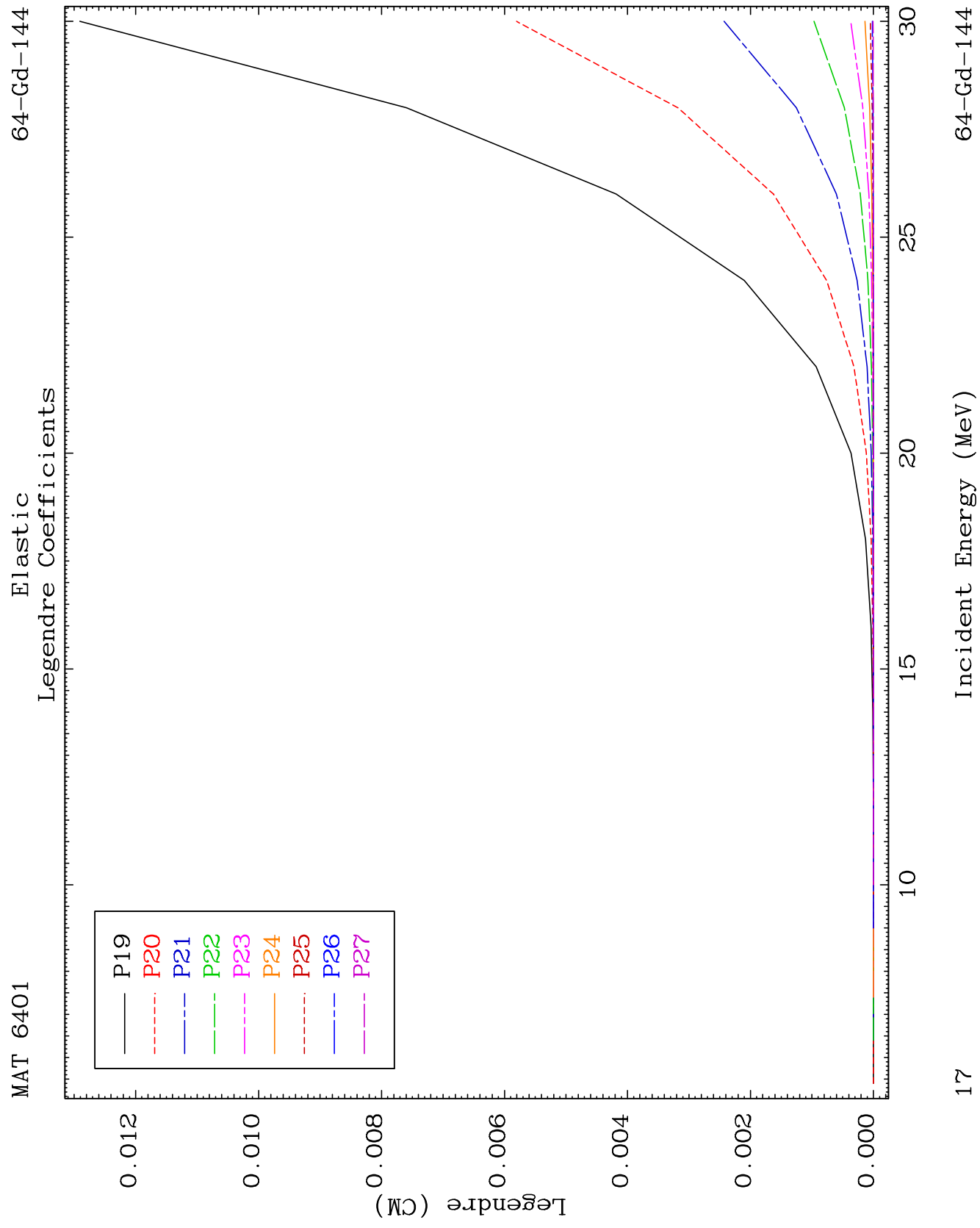
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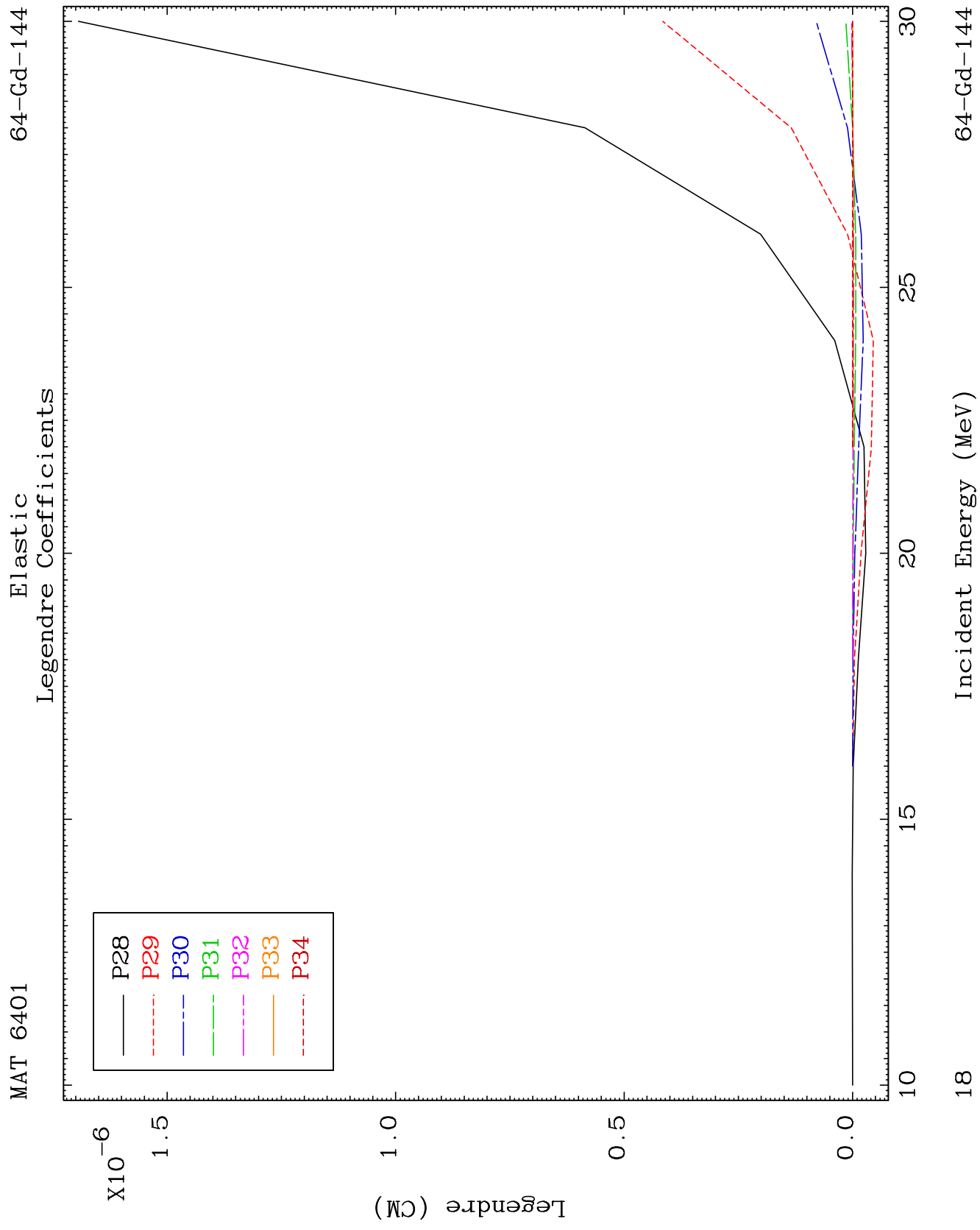


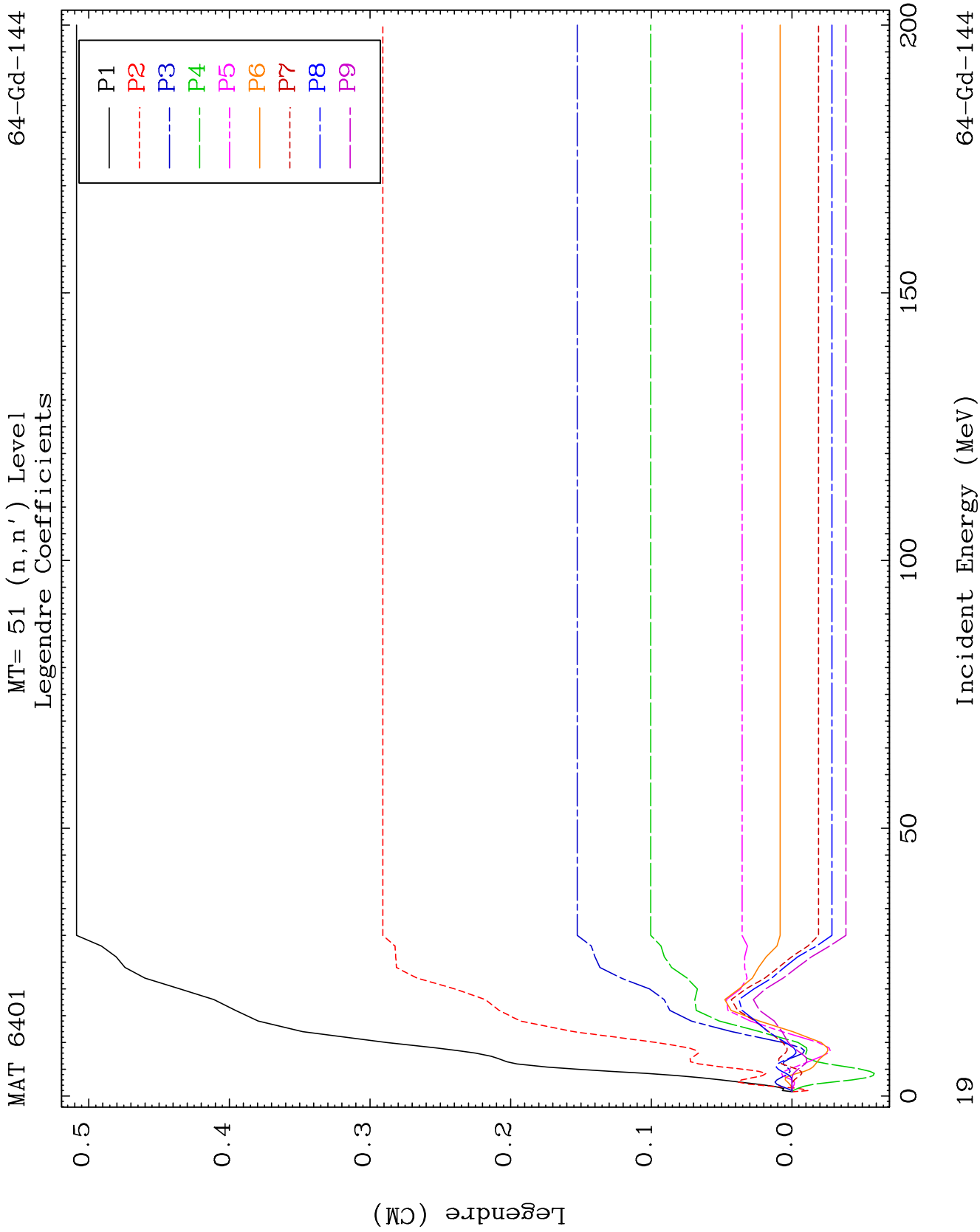








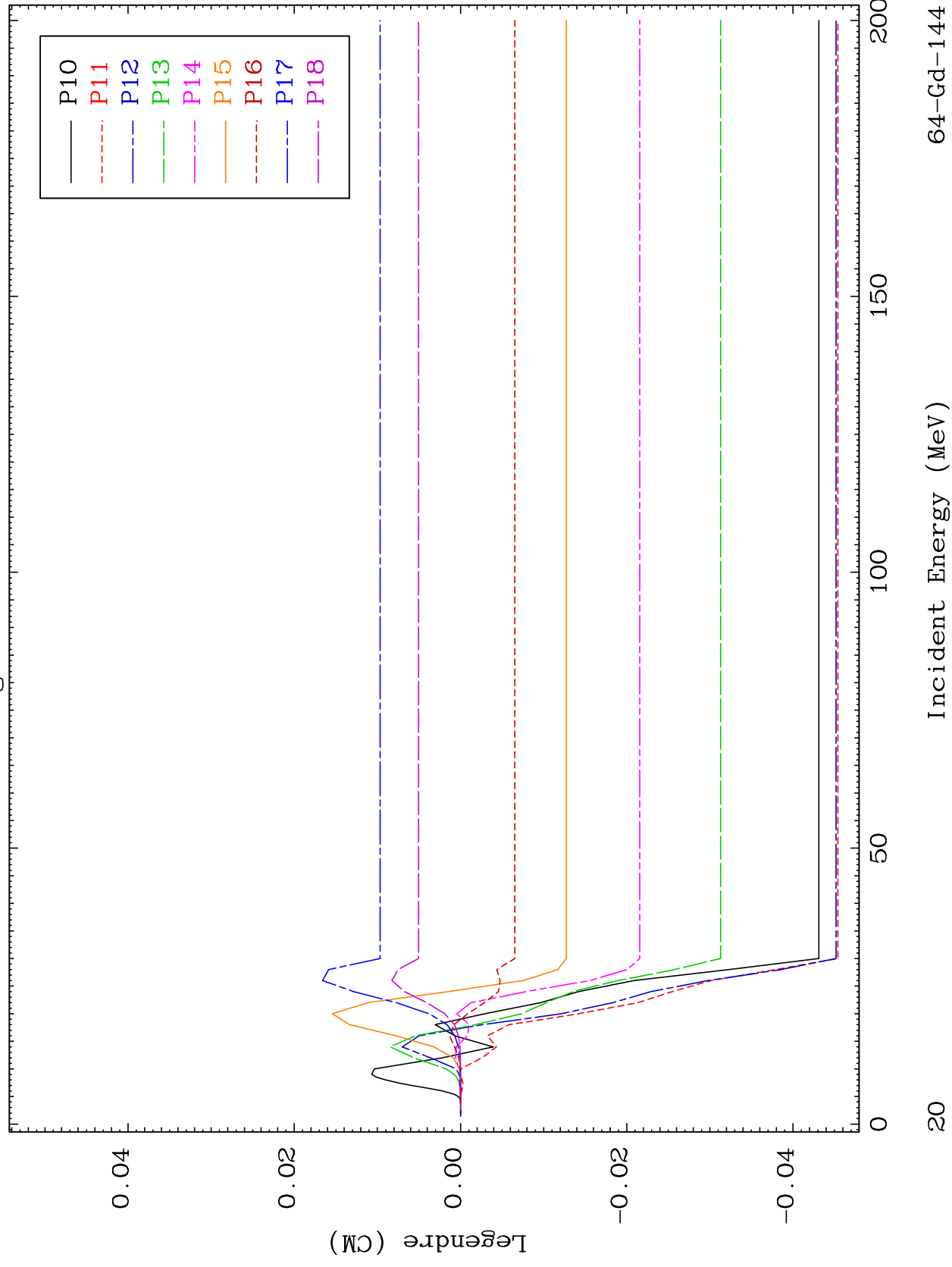


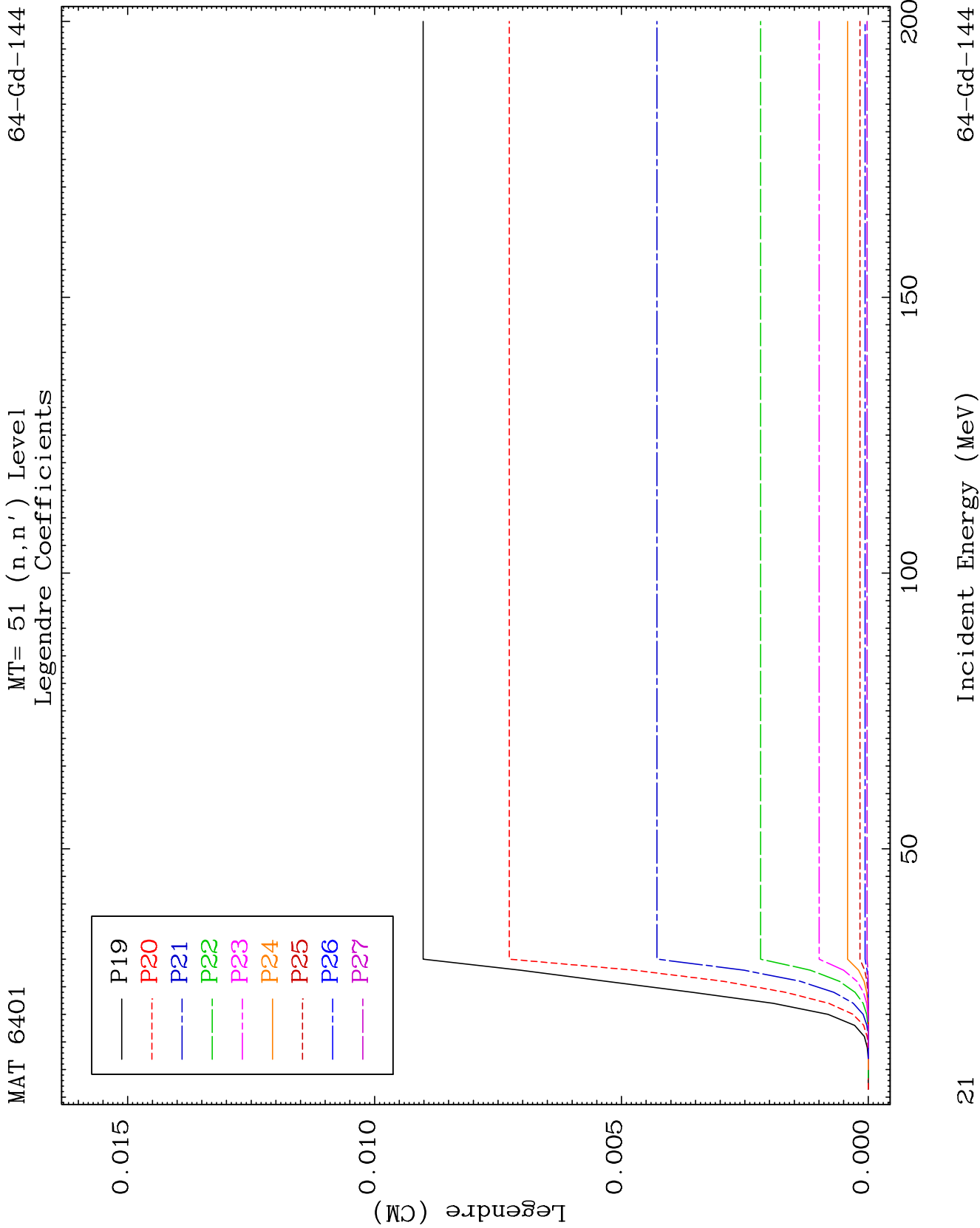


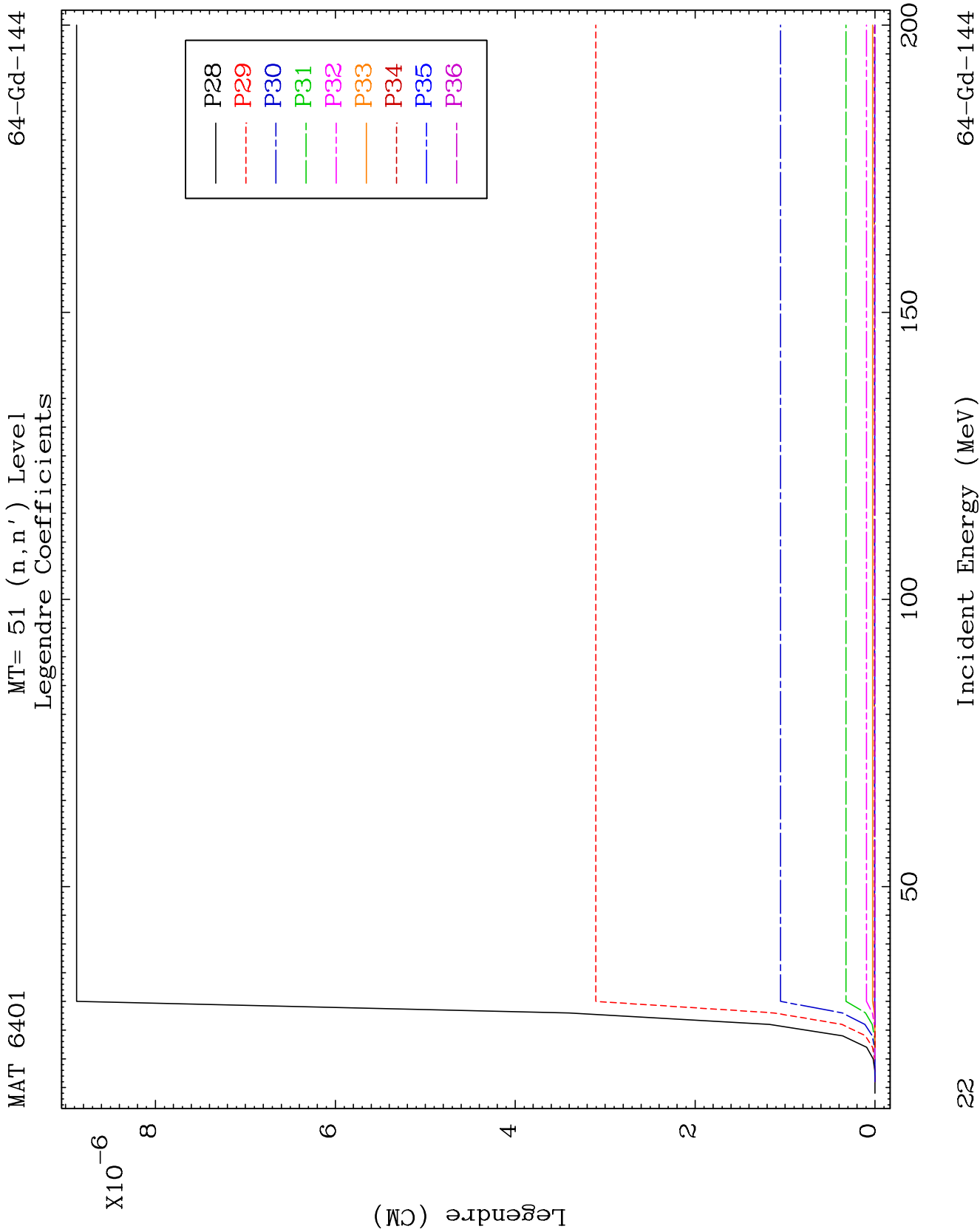
MAT 6401

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

64-Gd-144



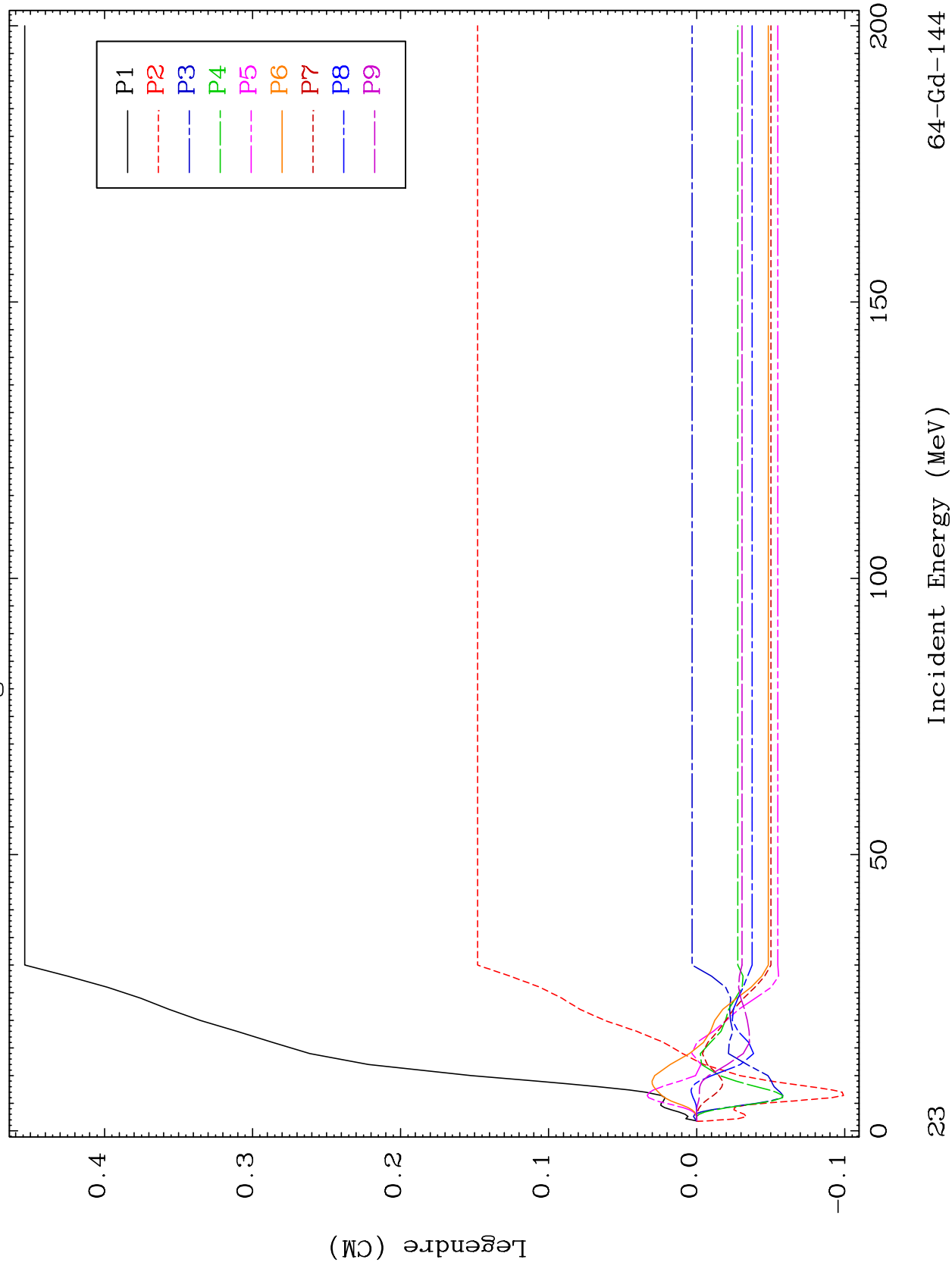


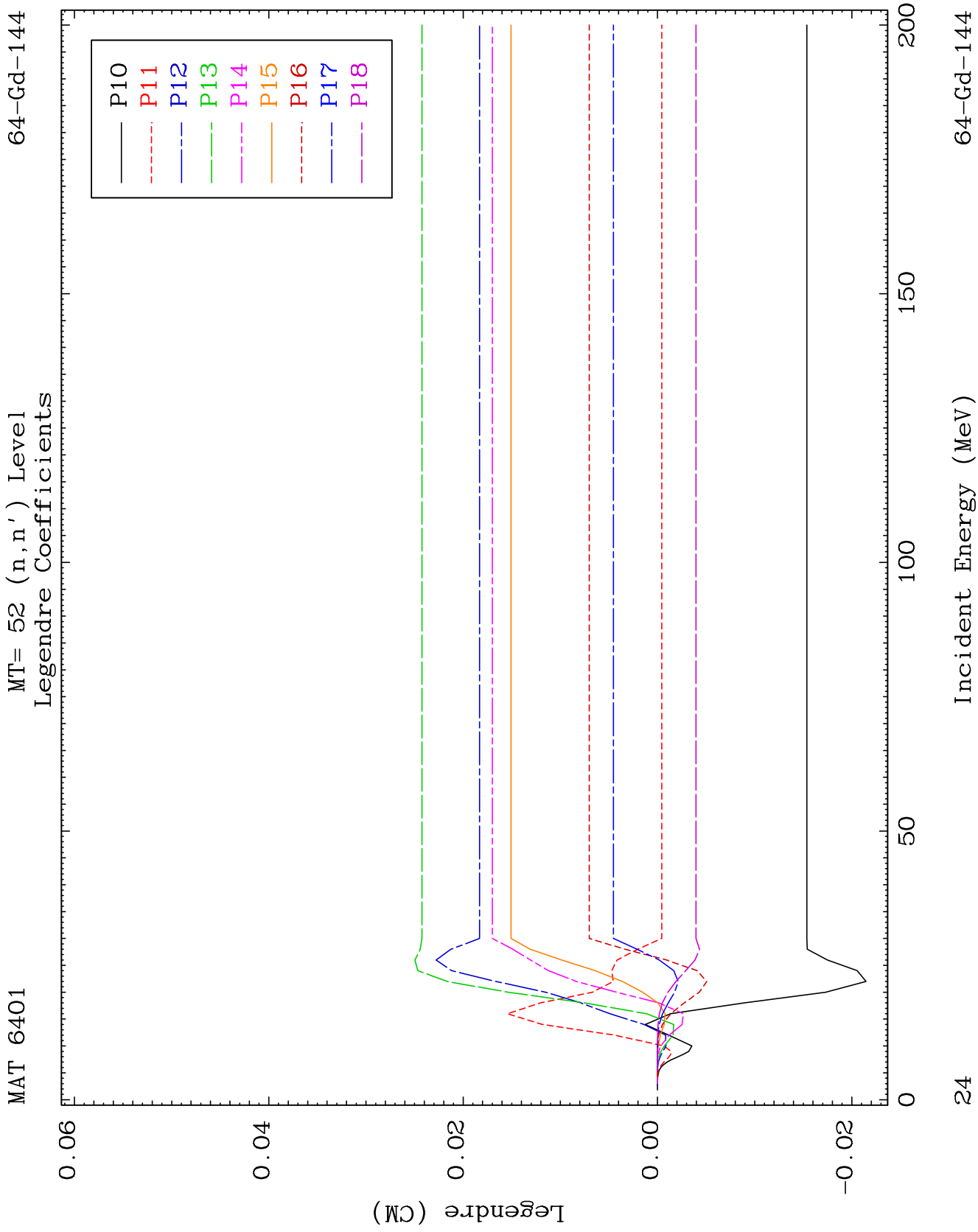


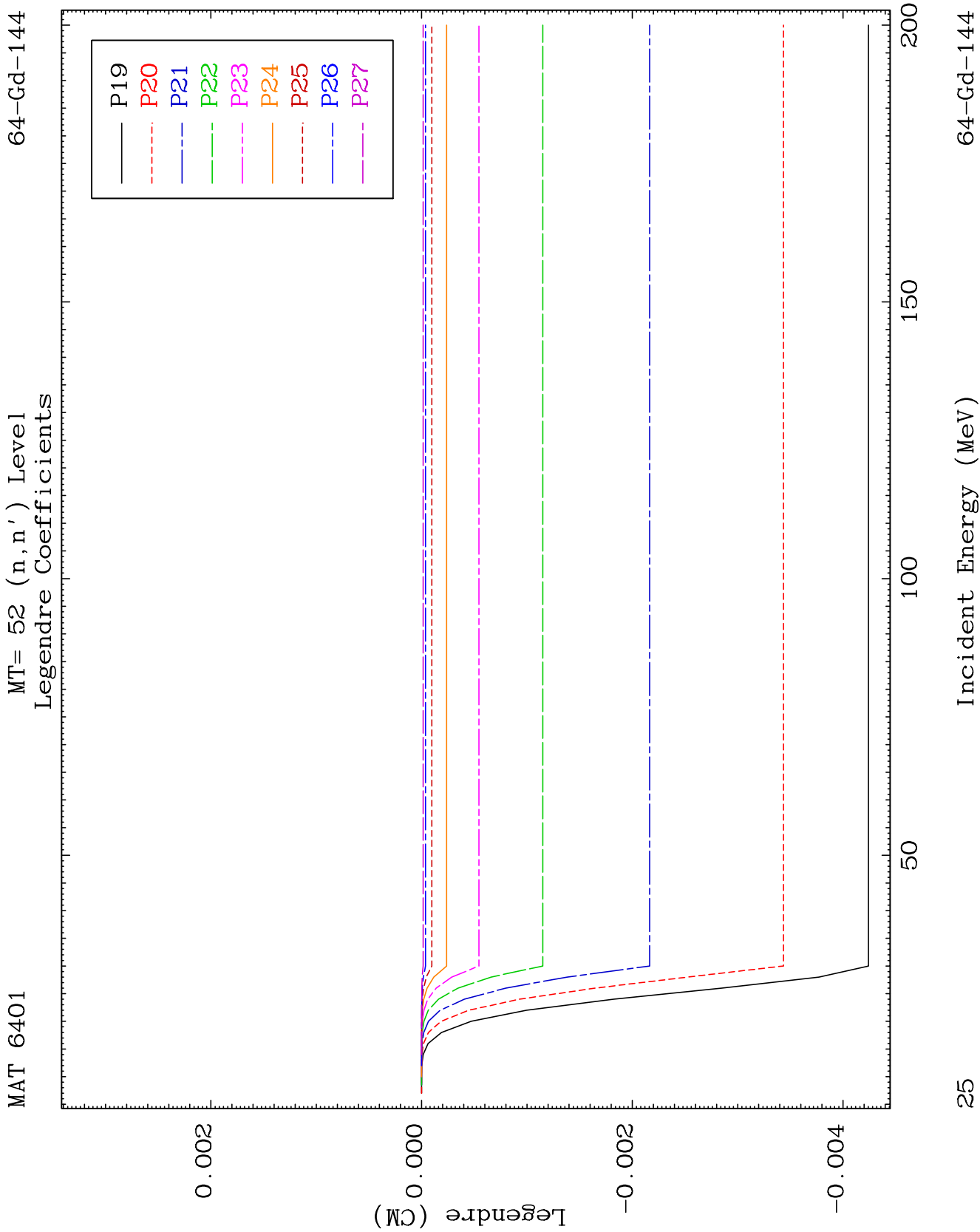
MAT 6401

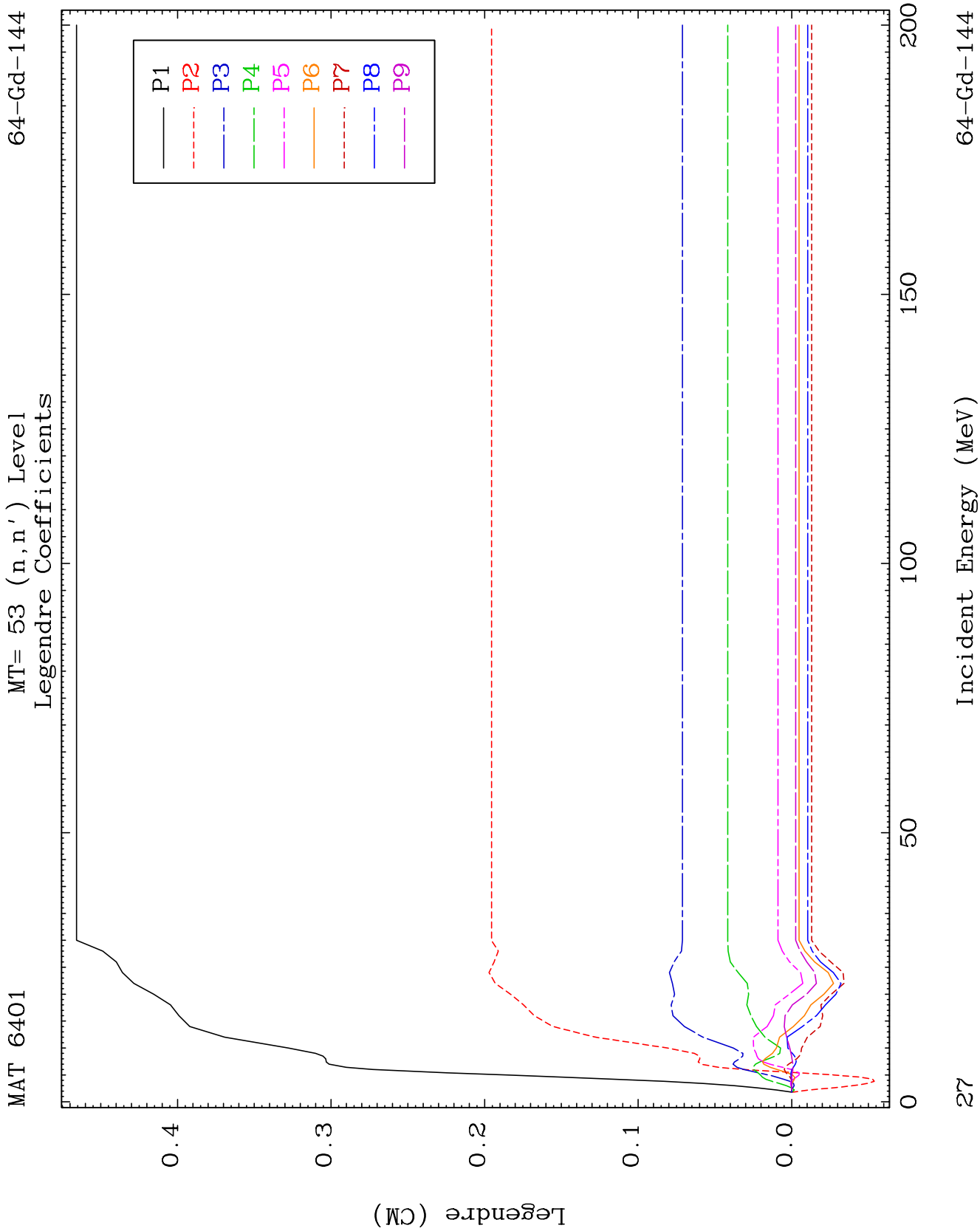
MT= 52 (n, n') Level
Legendre Coefficients

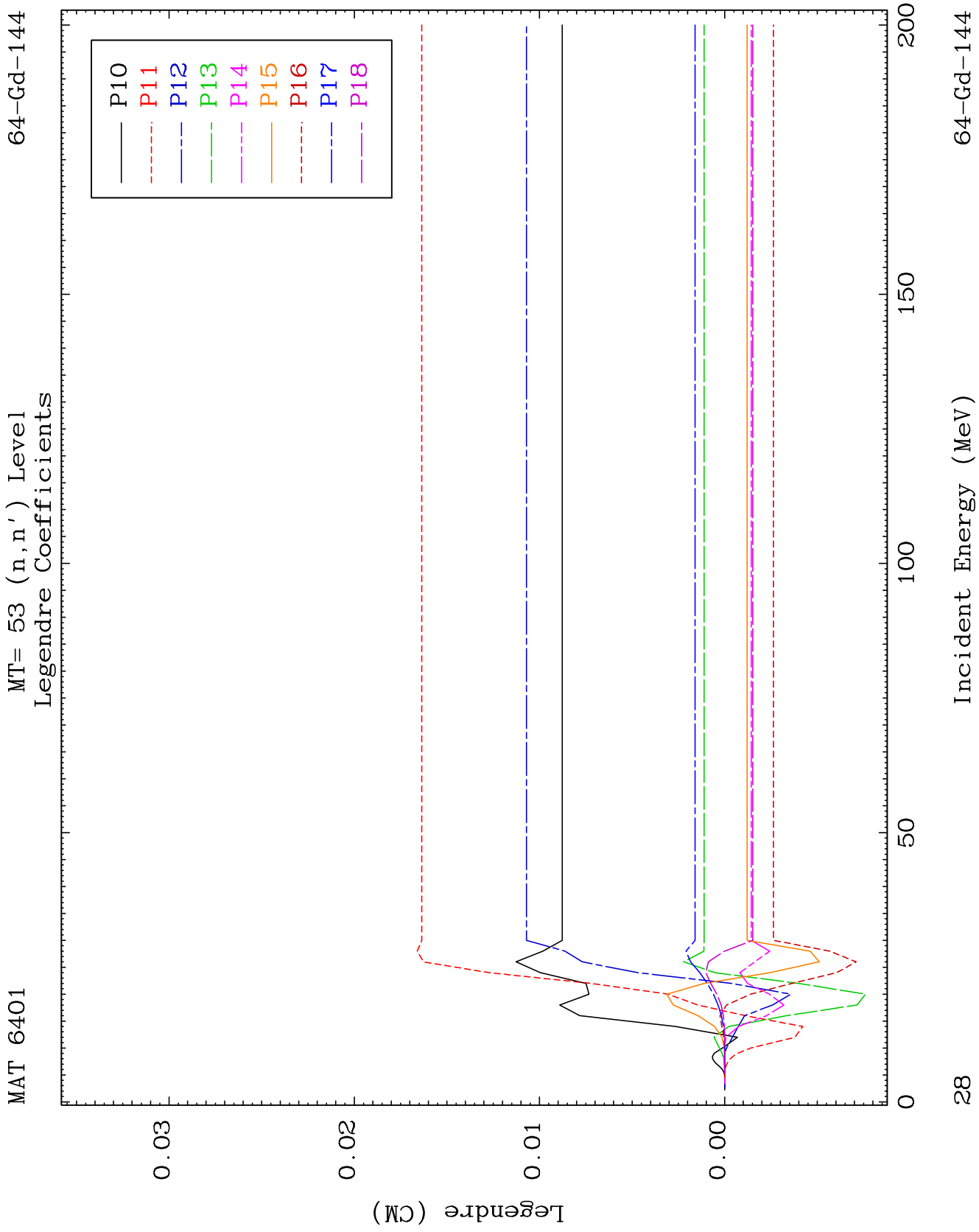
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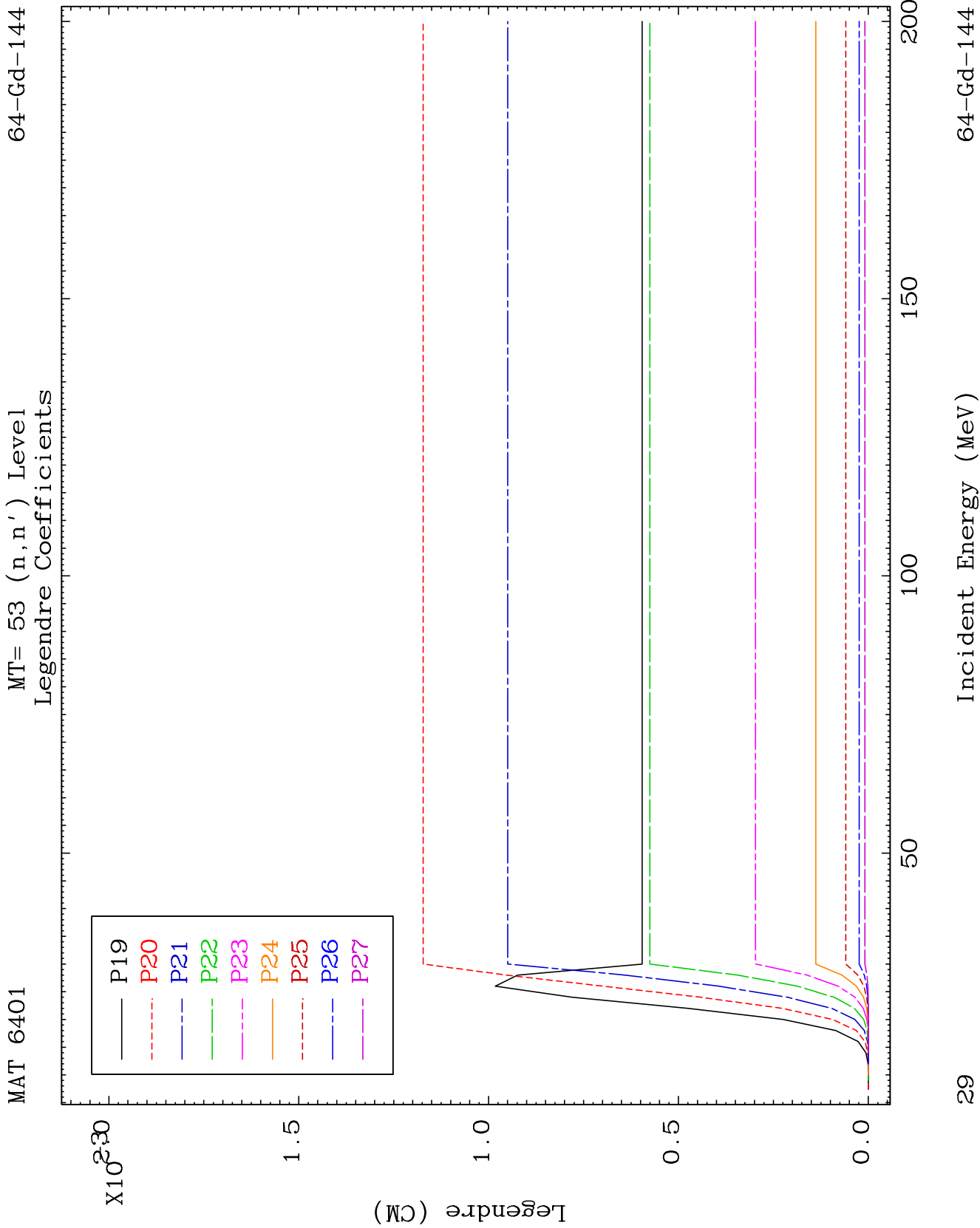


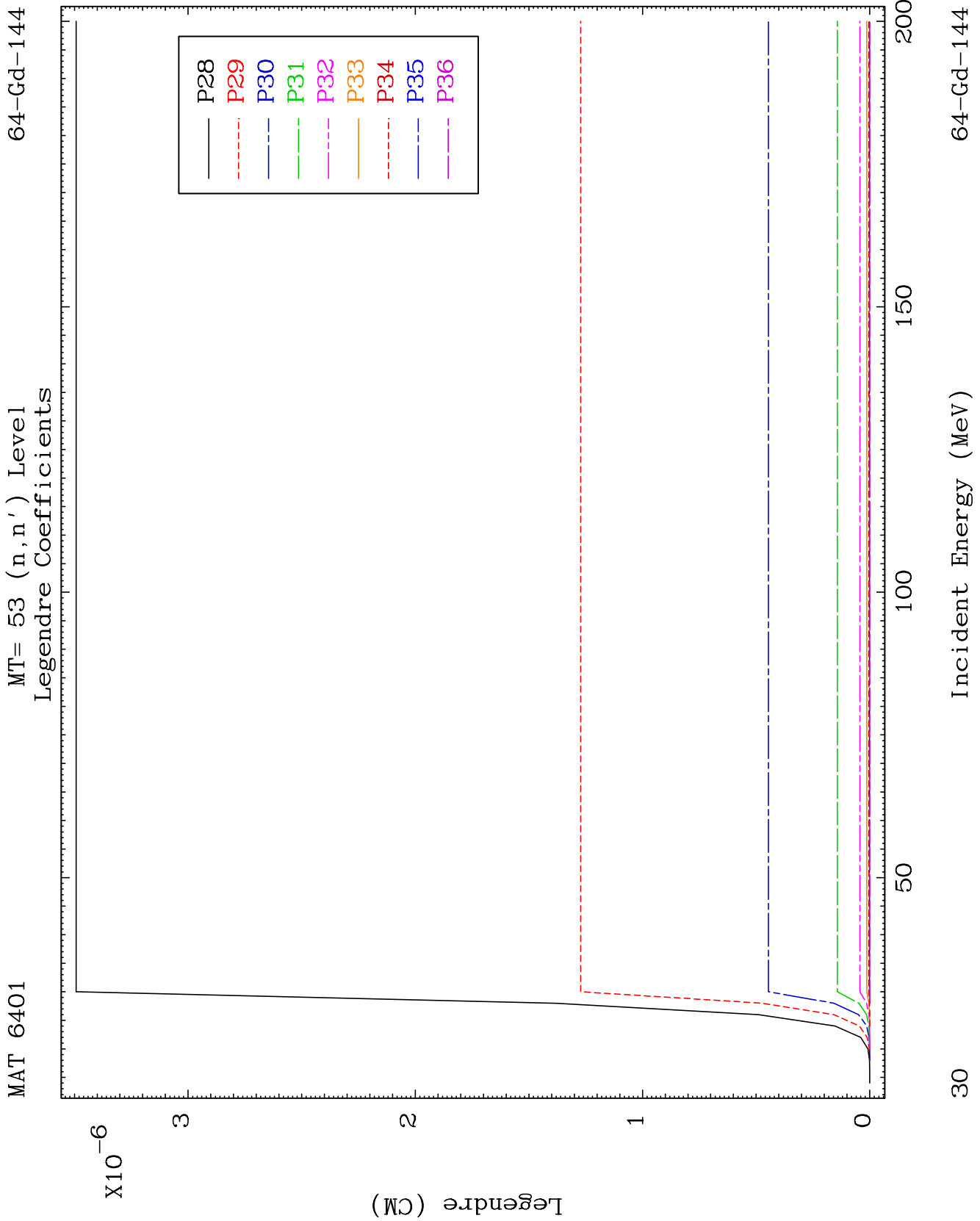


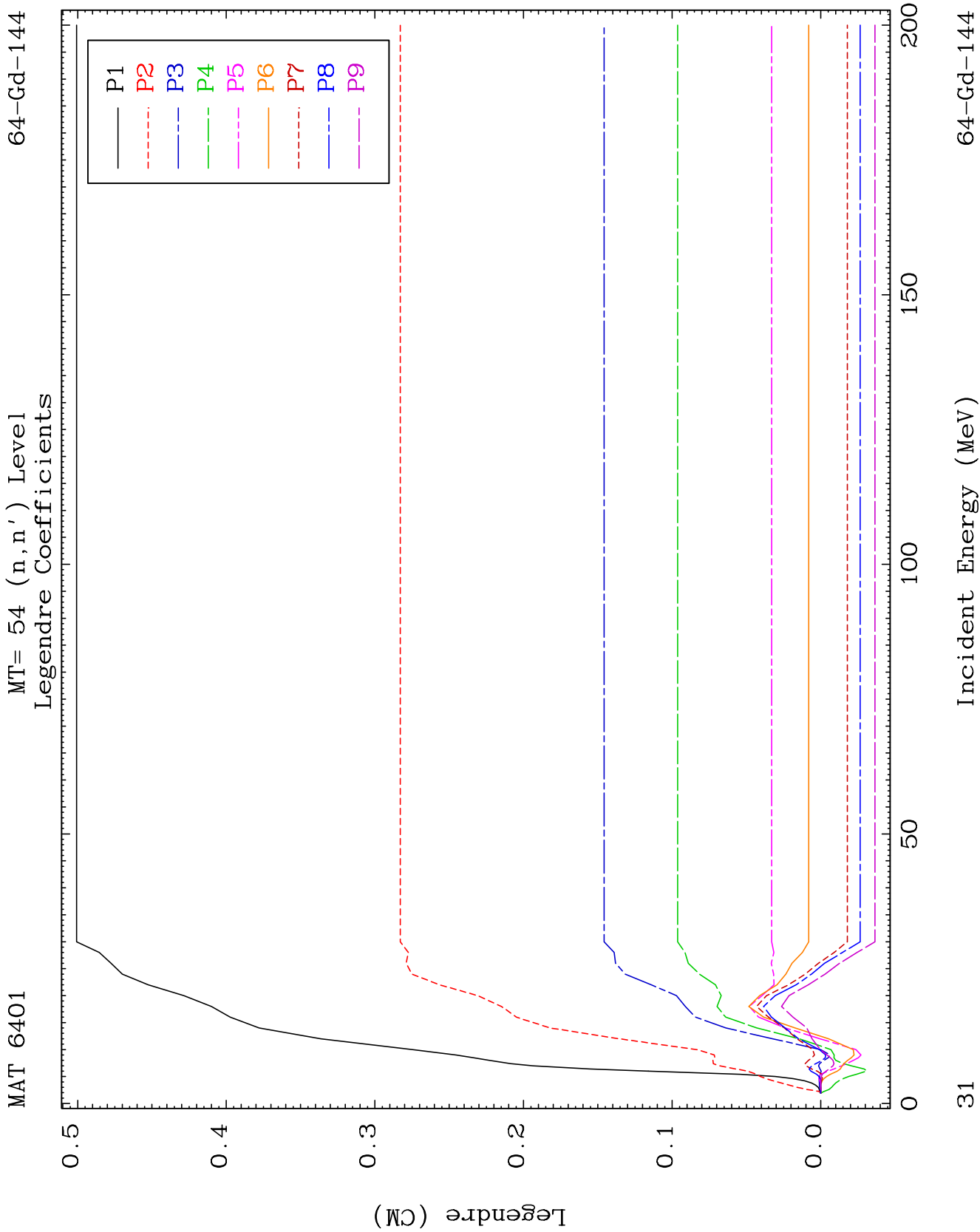








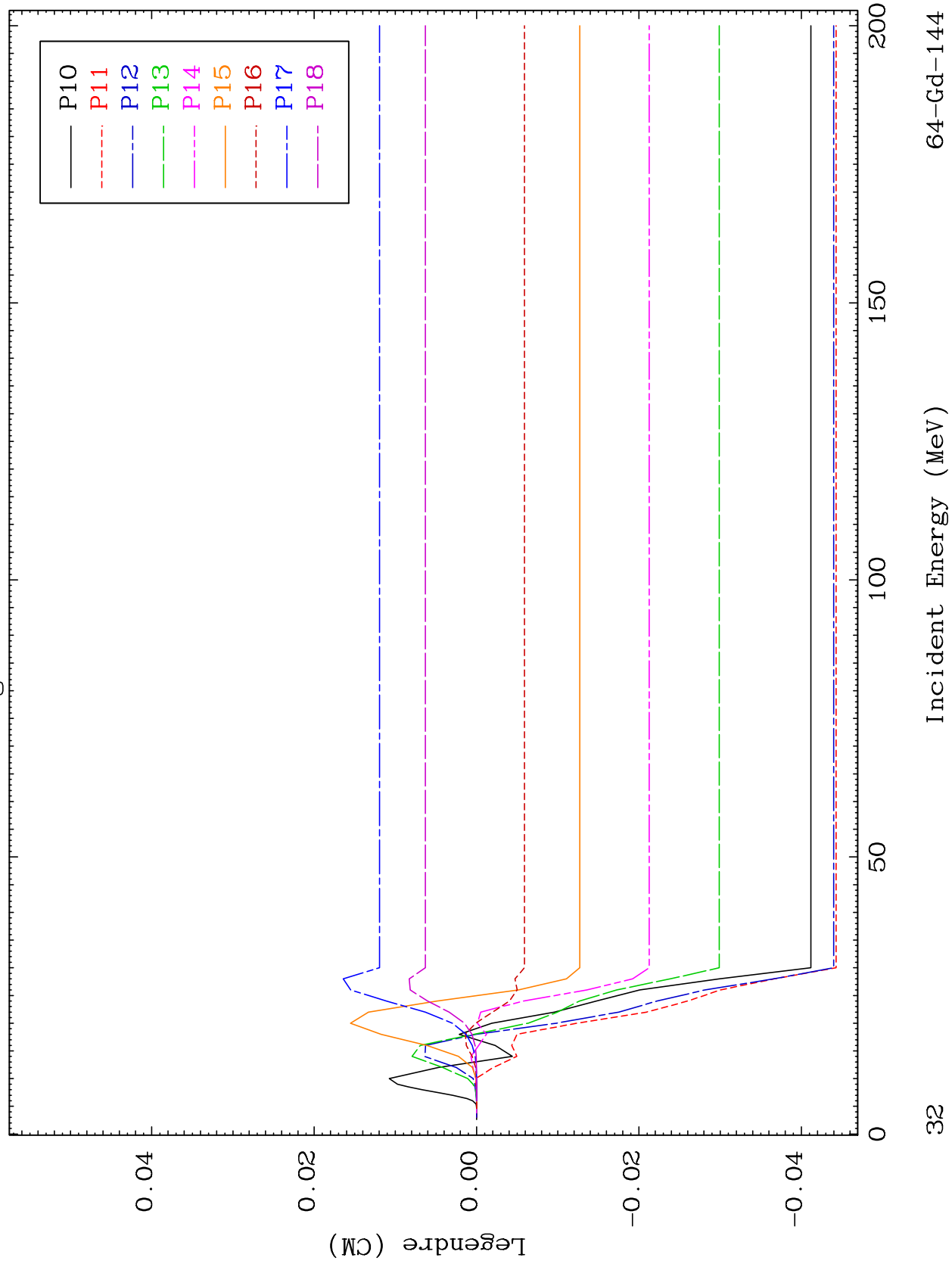




MAT 6401

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

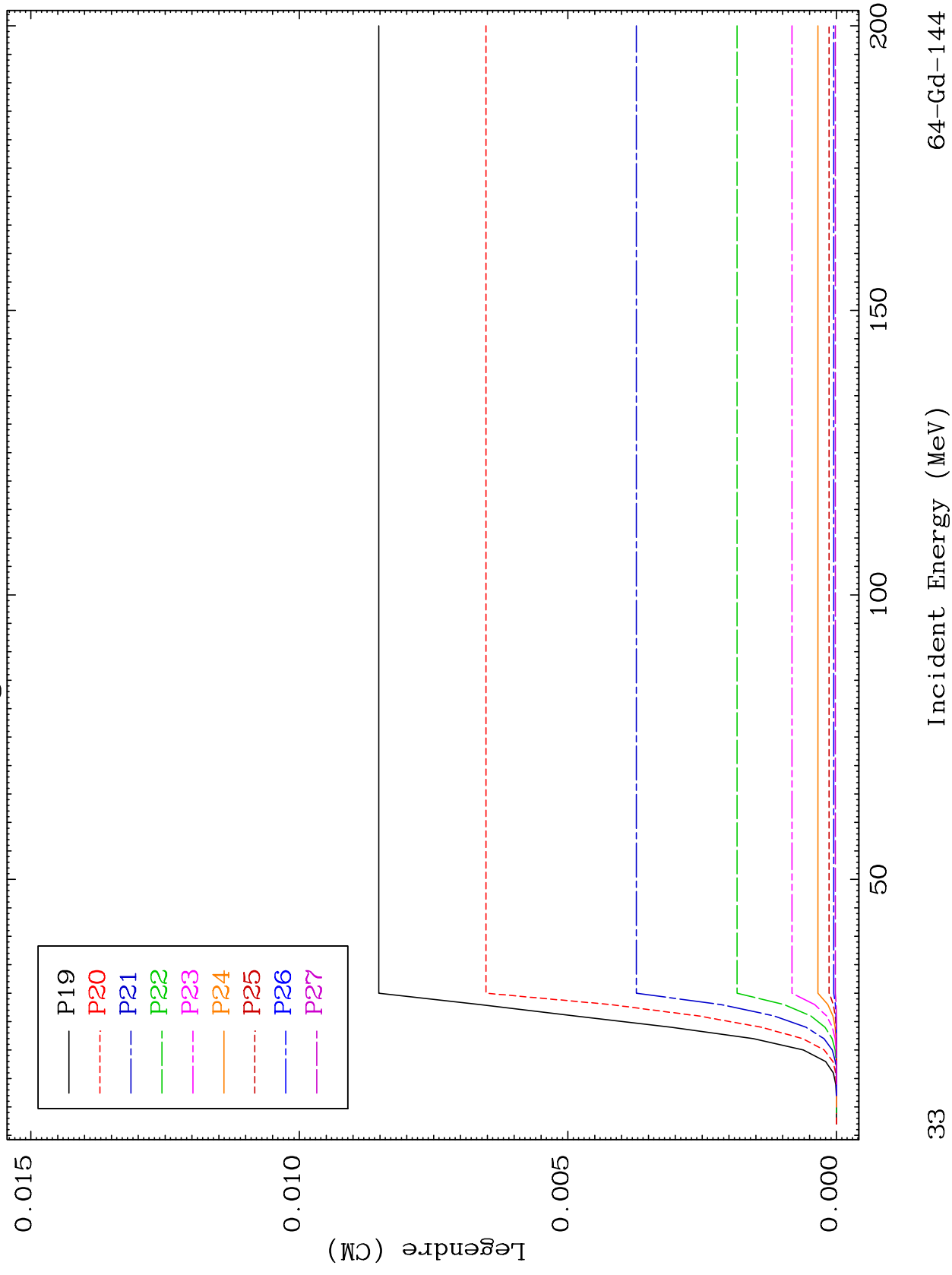
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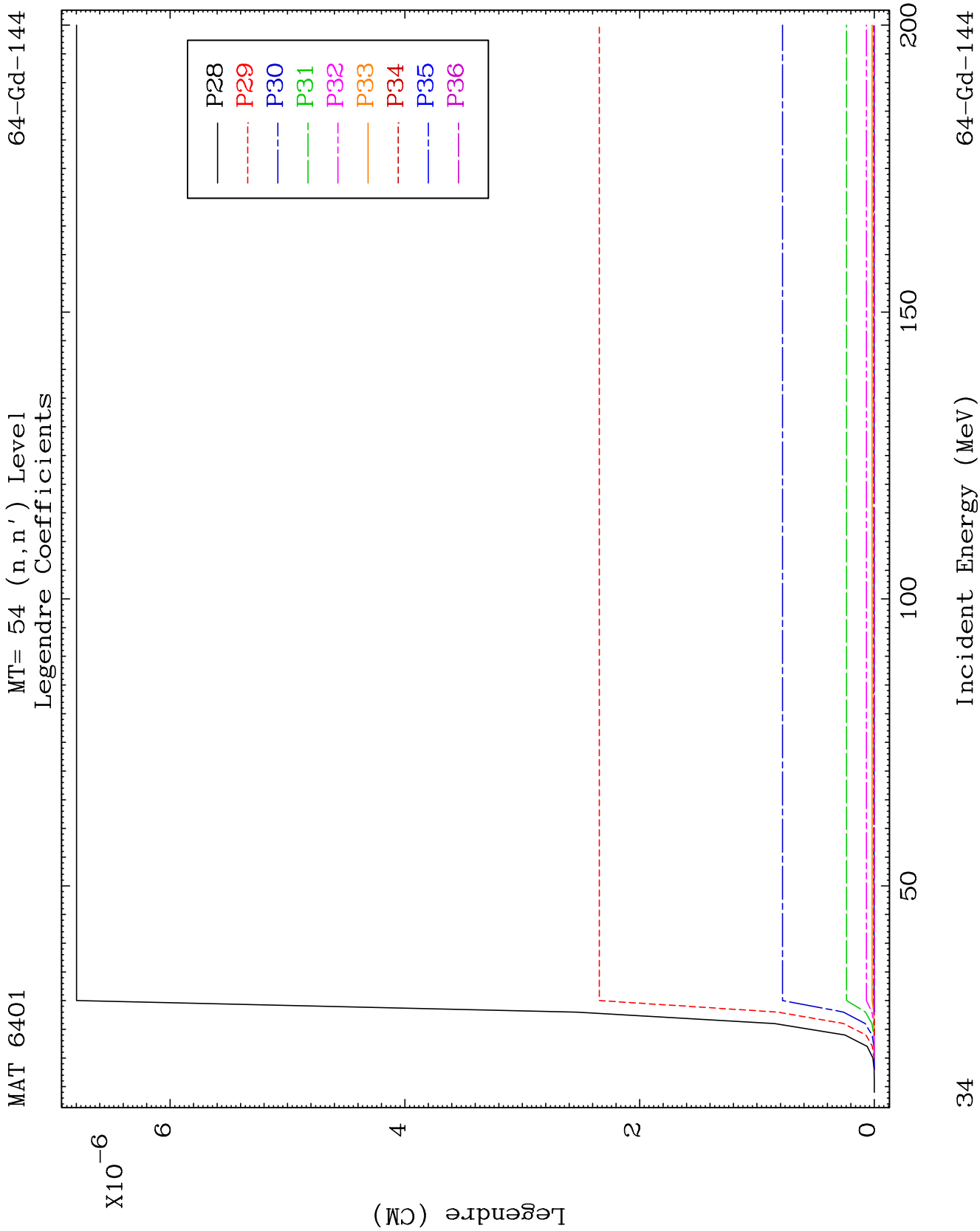


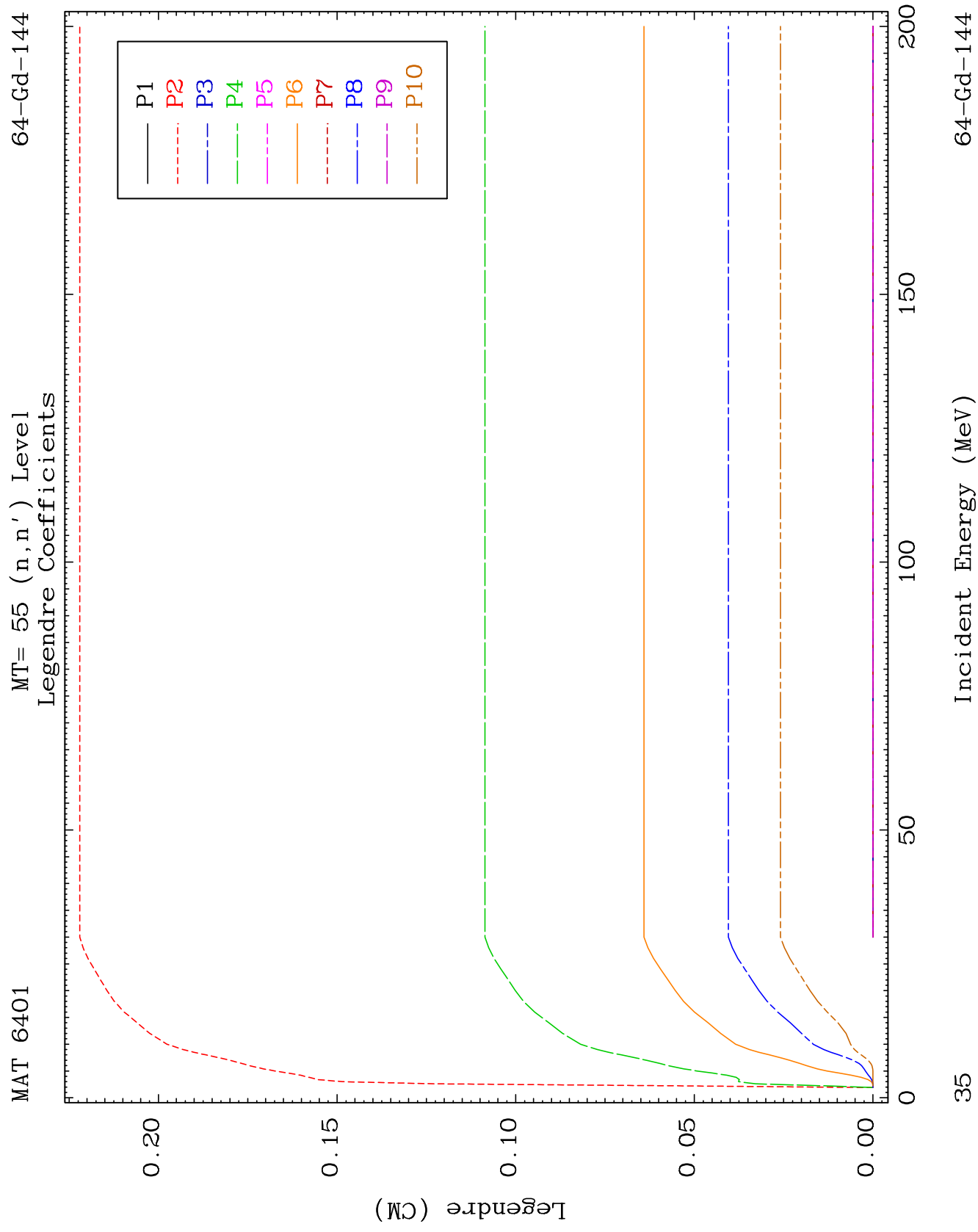
MAT 6401

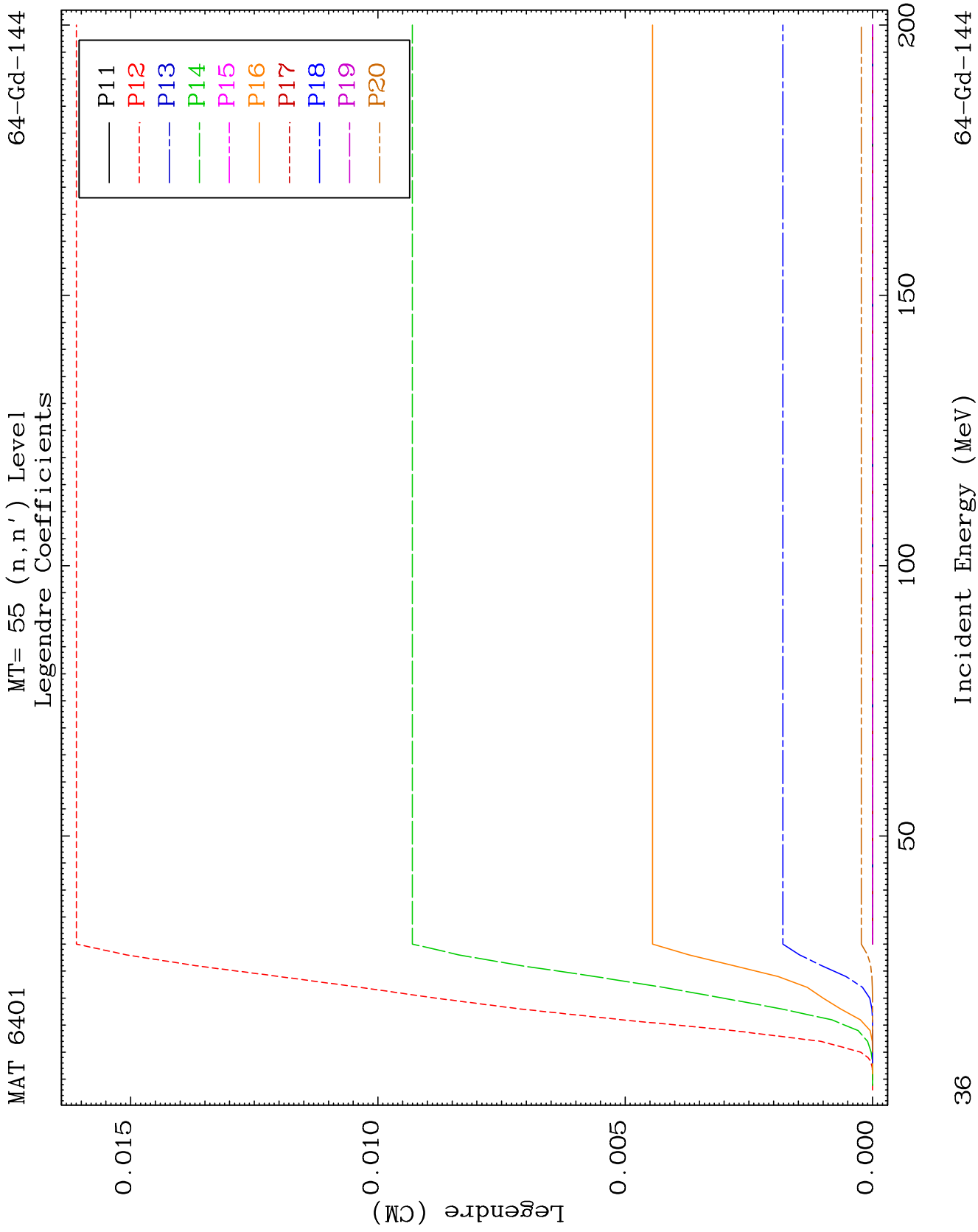
MT= 54 (n, n') Level
Legendre Coefficients

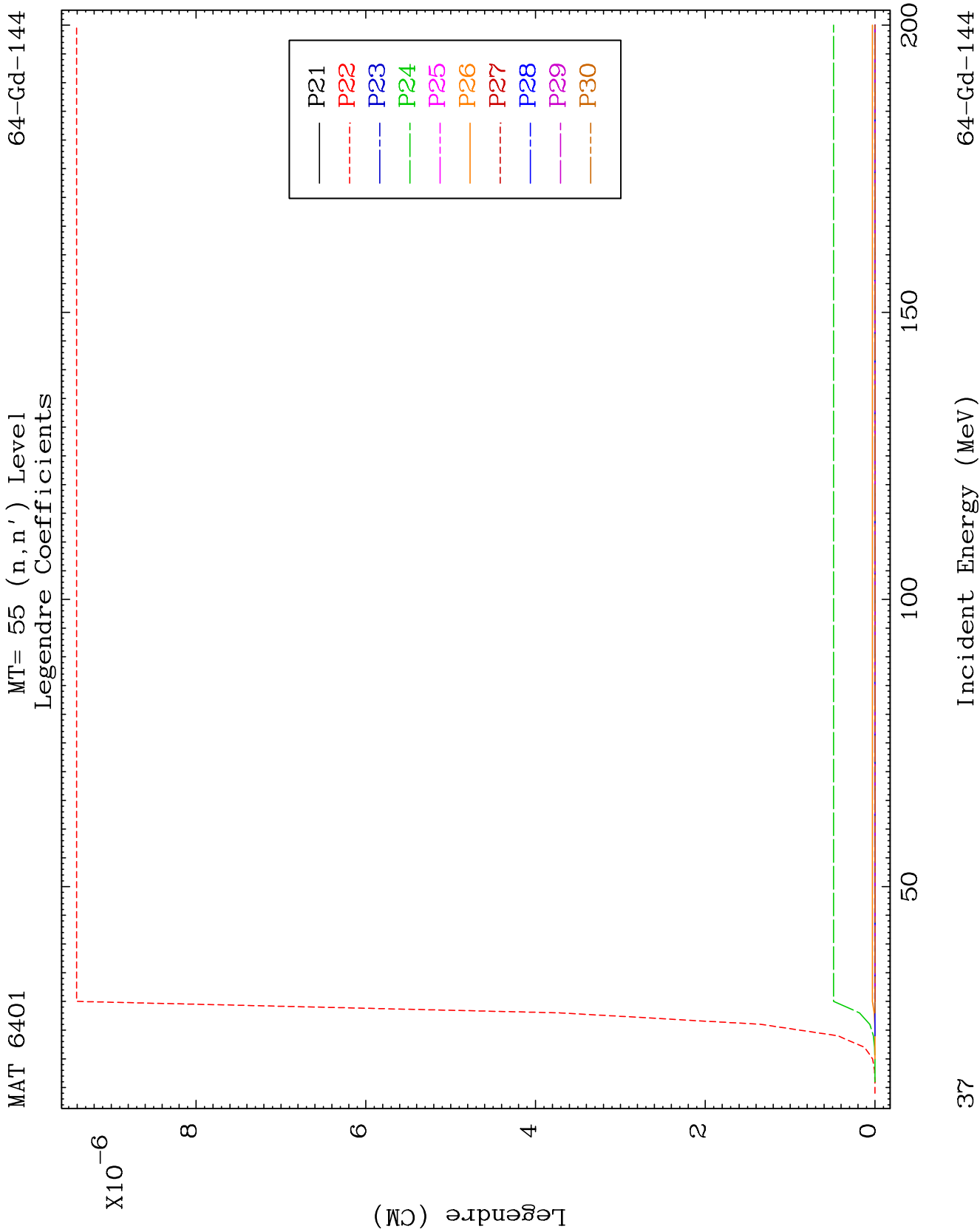
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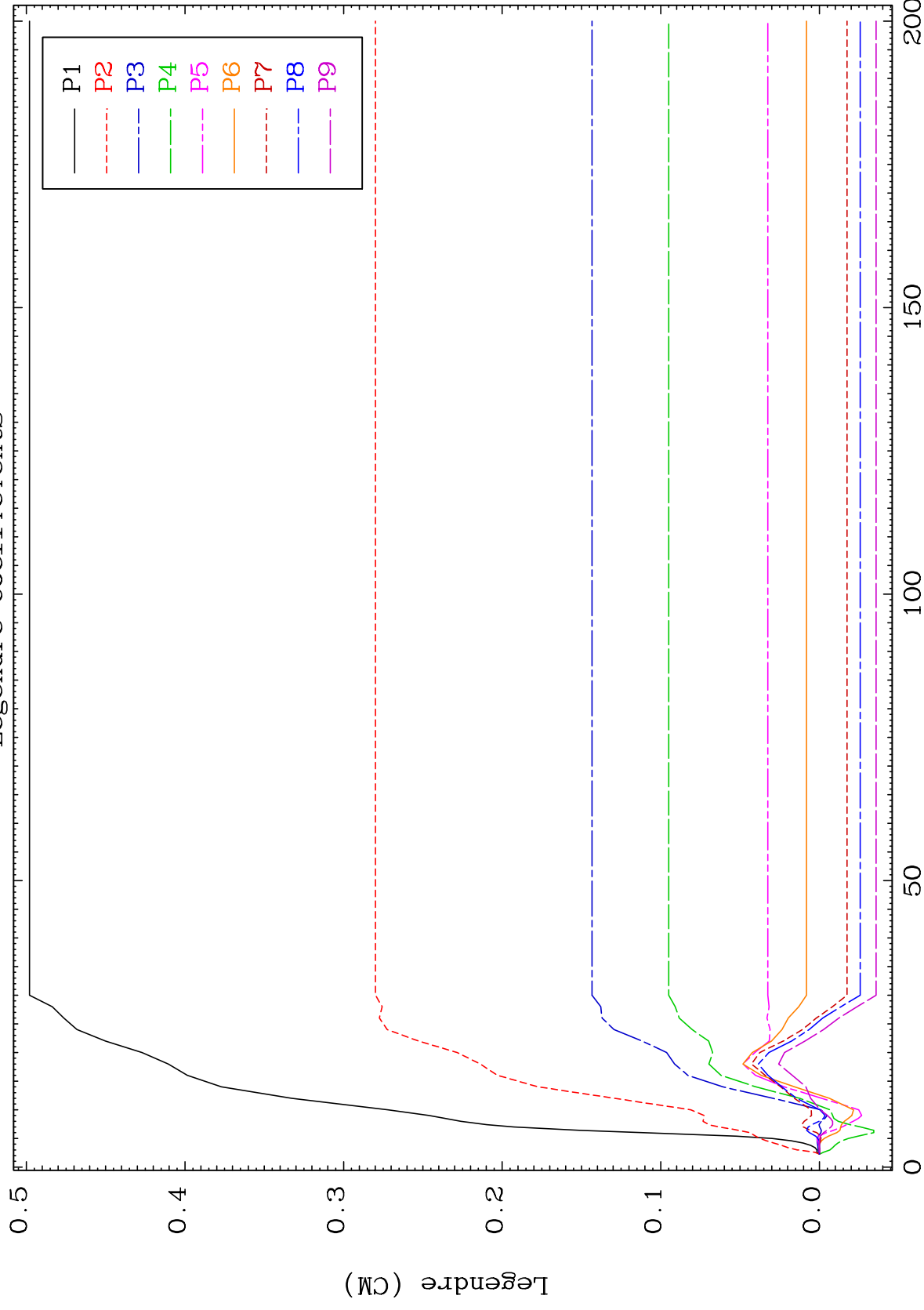




MAT 6401

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

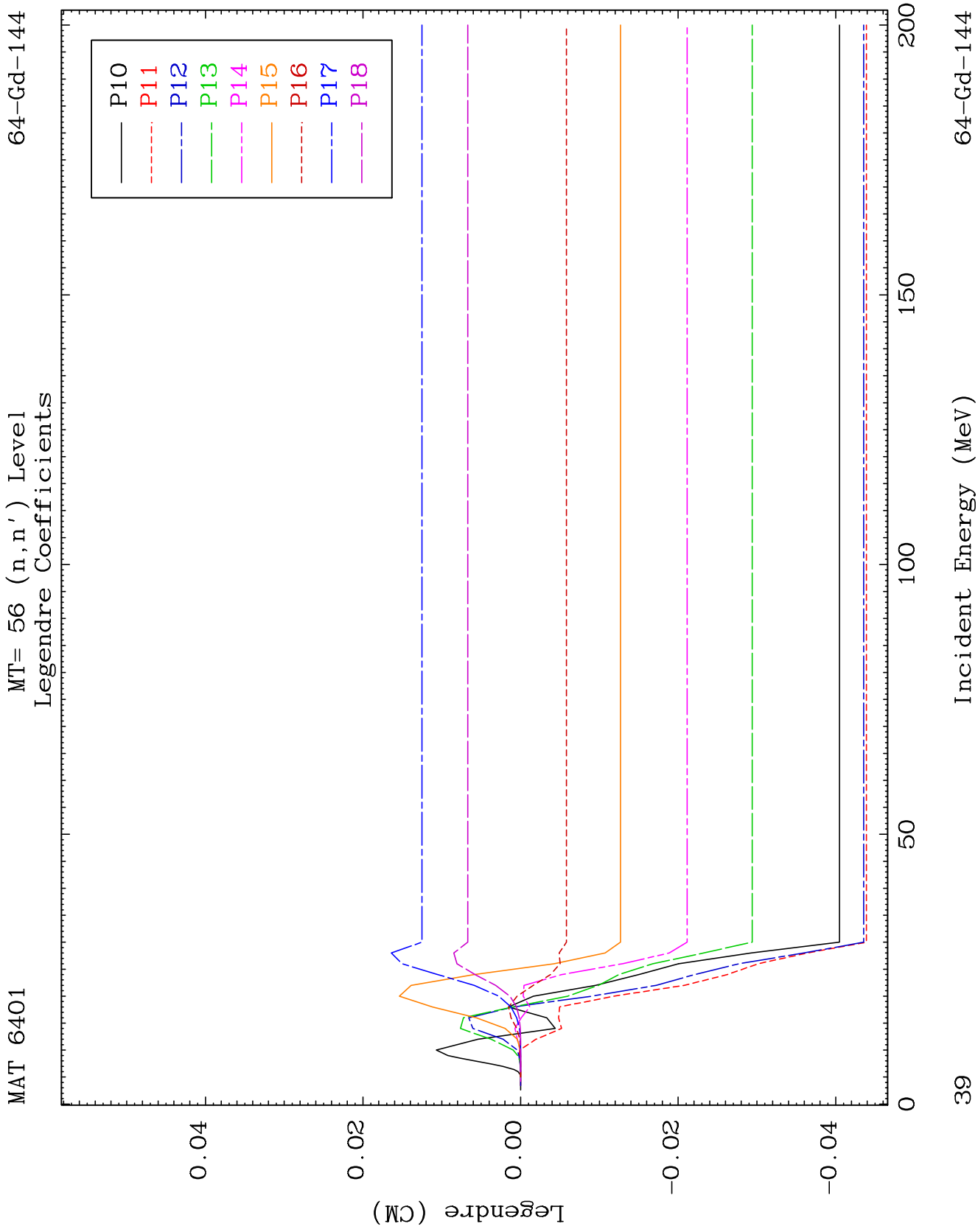
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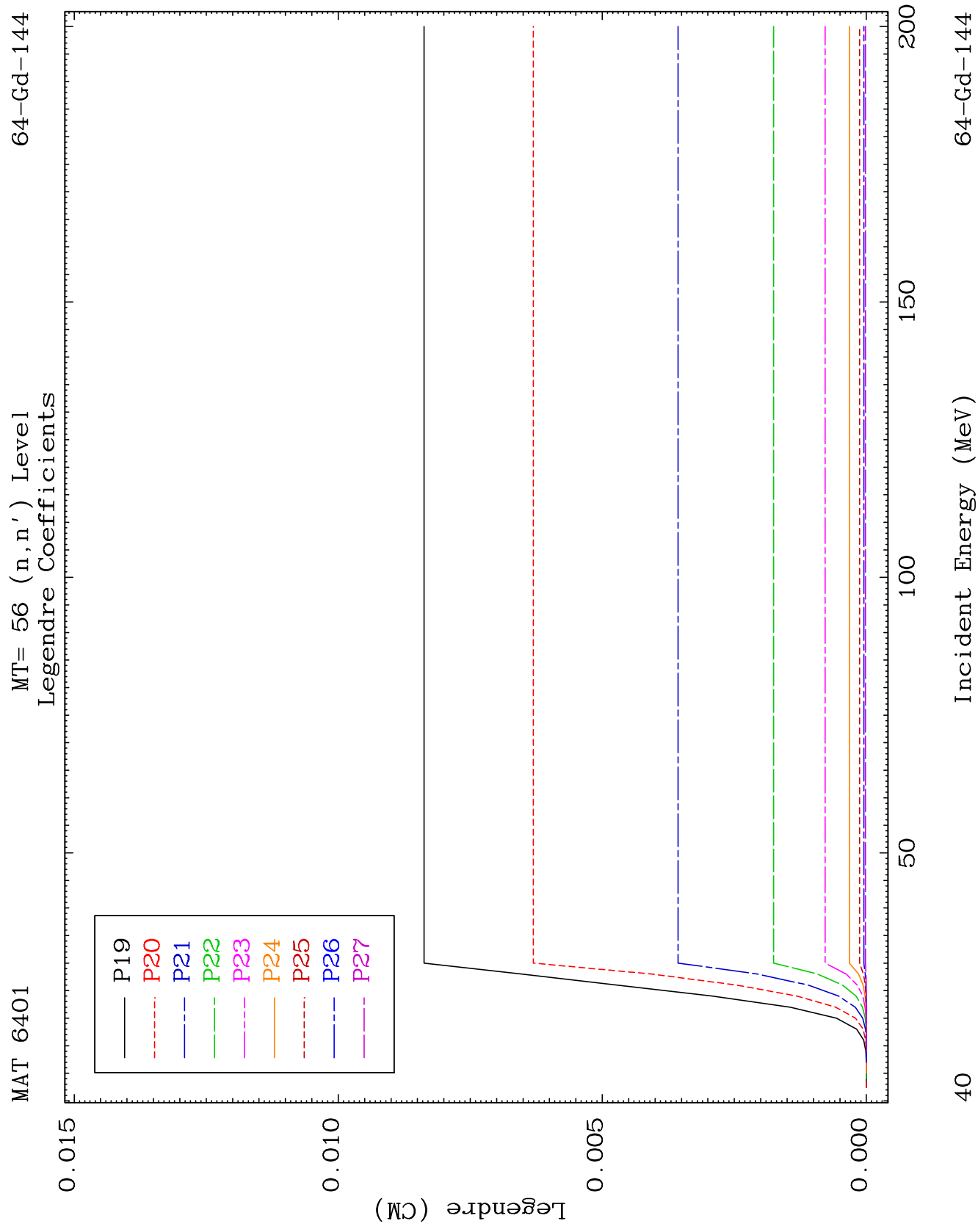


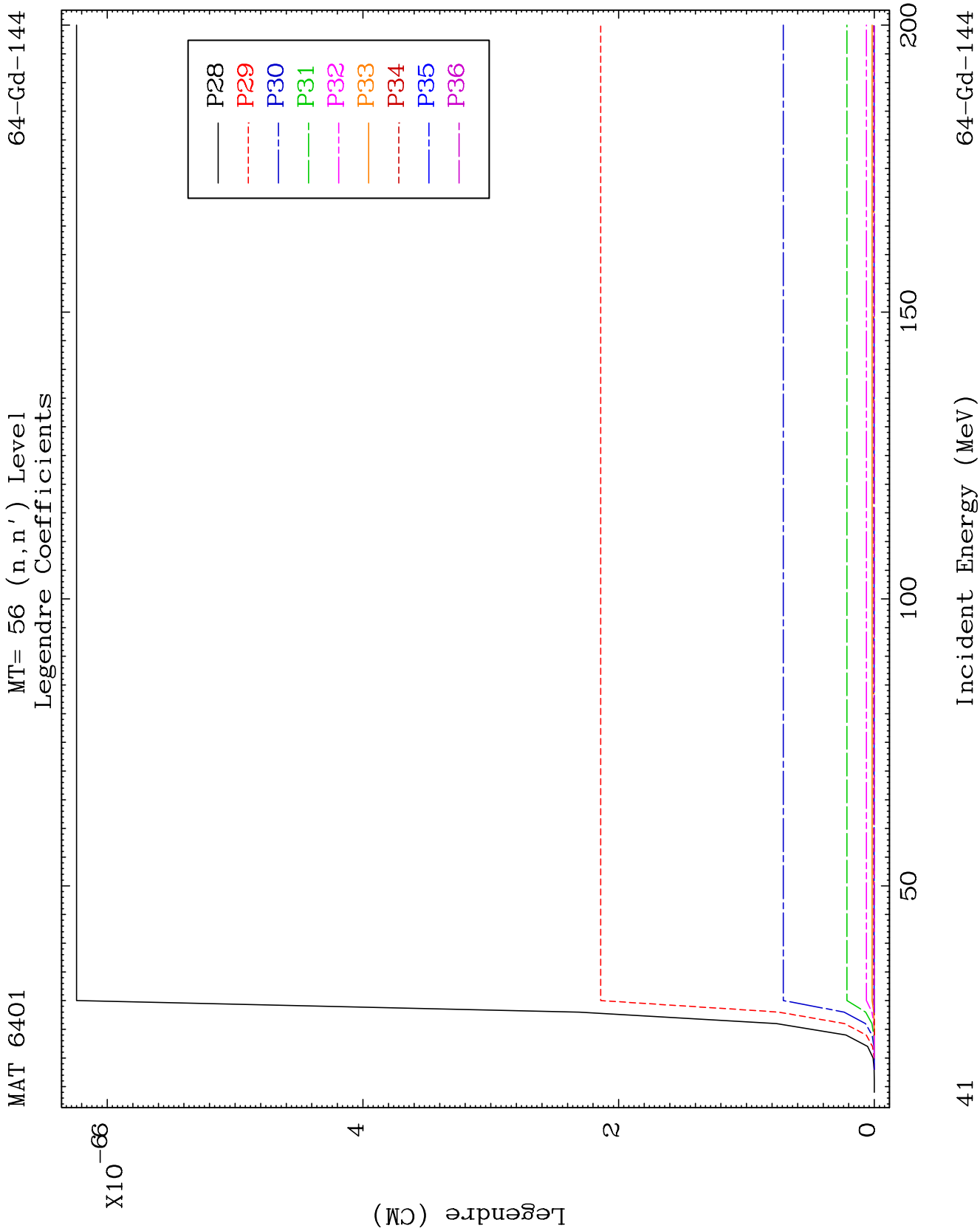
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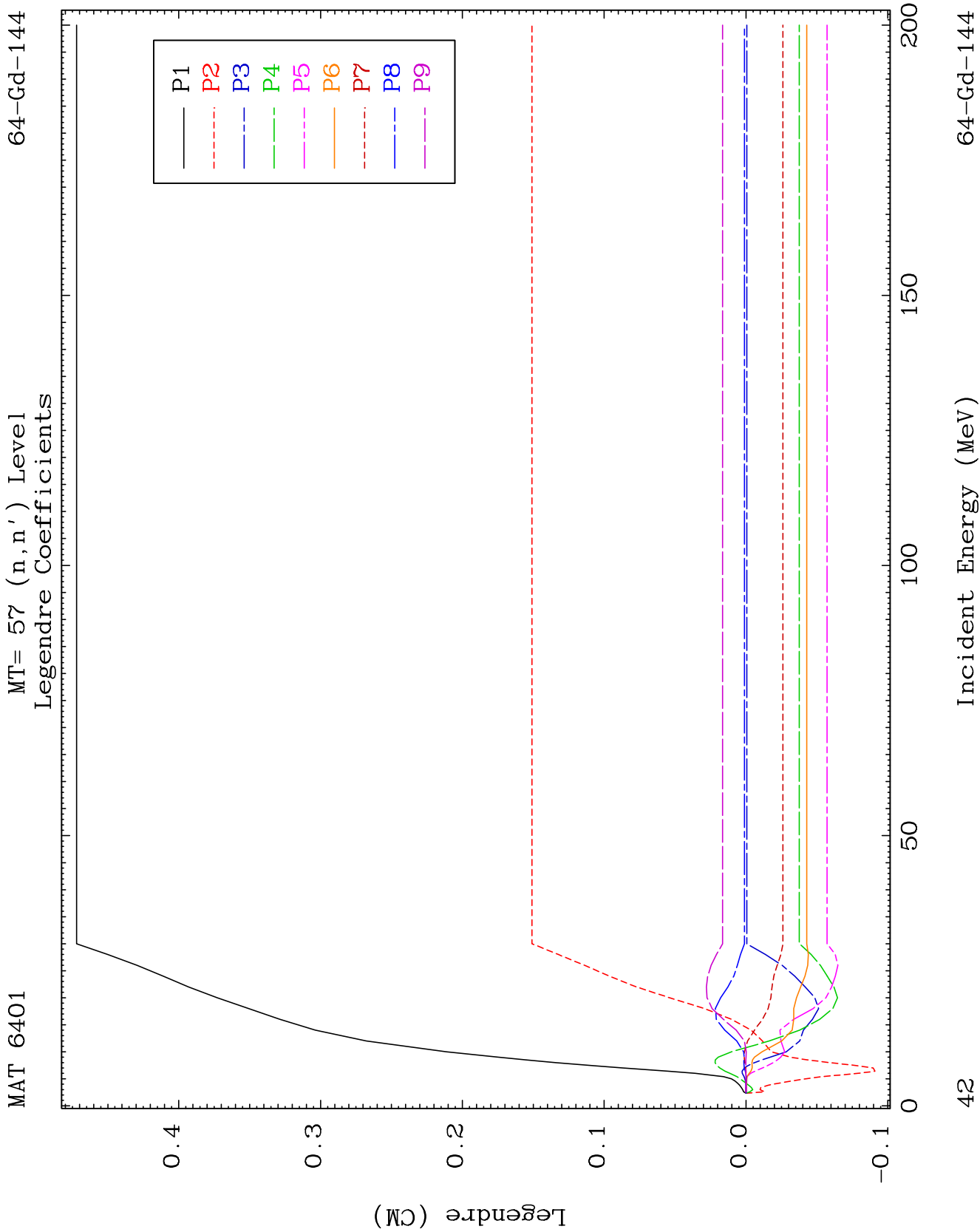
Incident Energy (MeV)

64-Gd-144





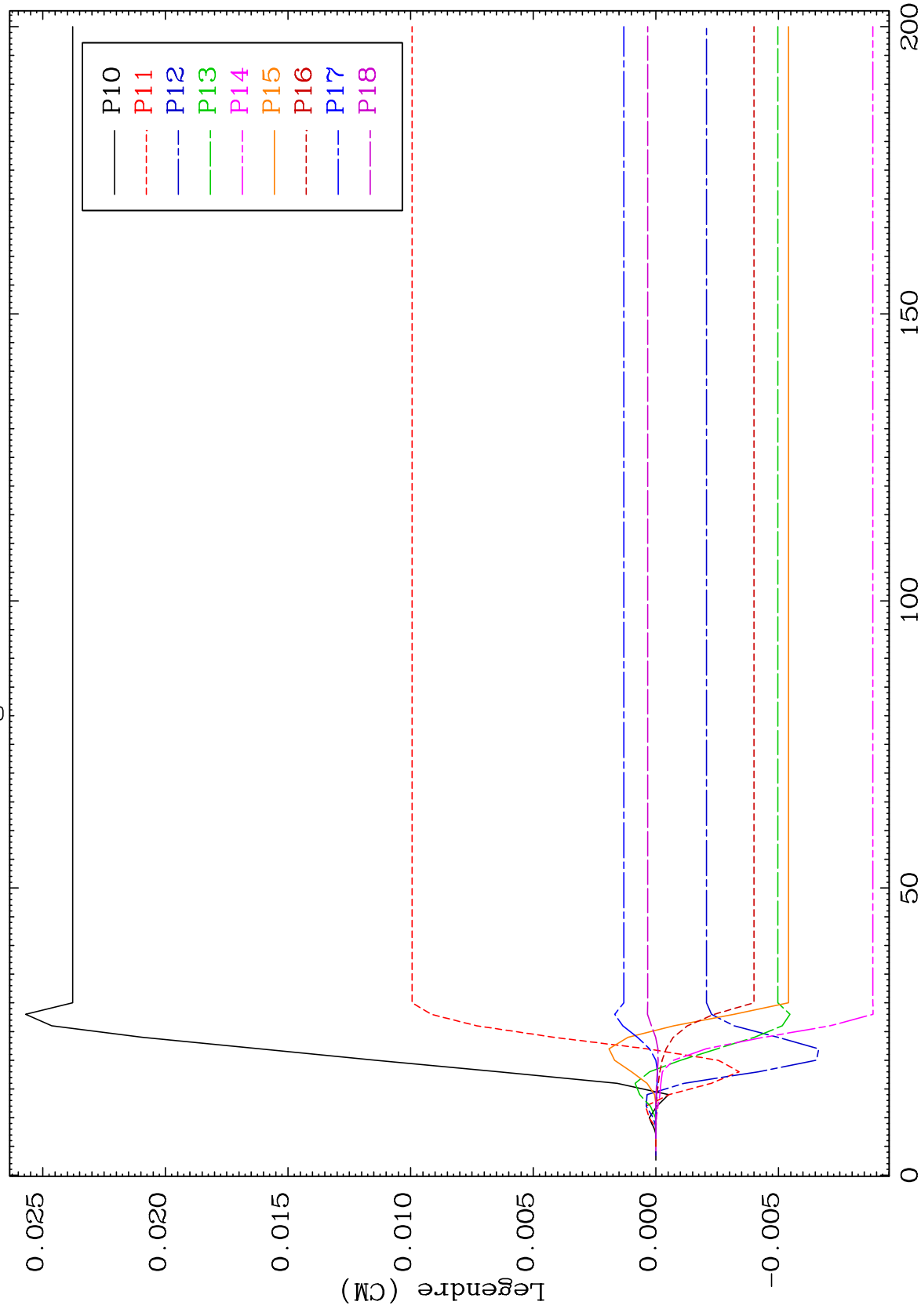




MAT 6401

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

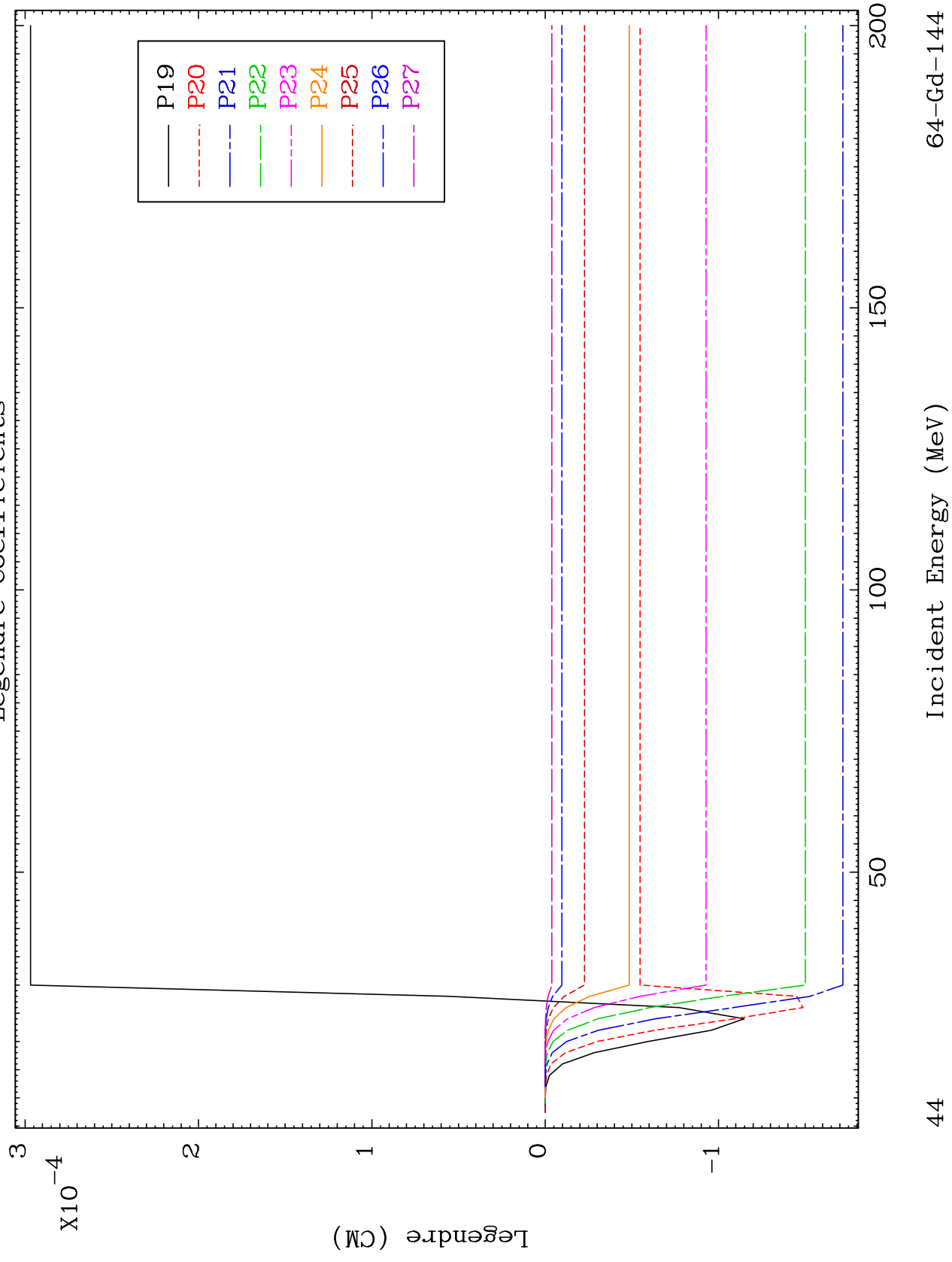
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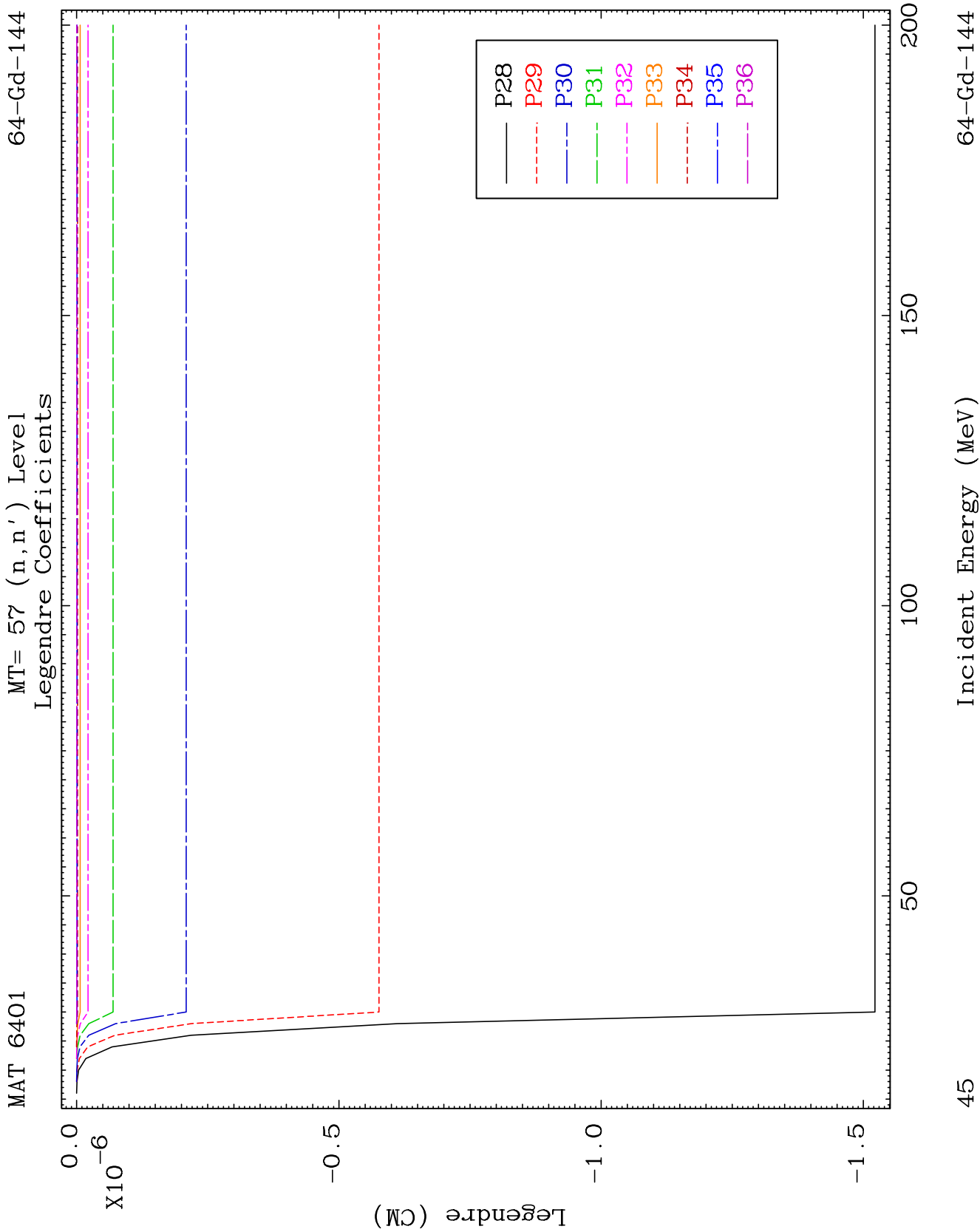


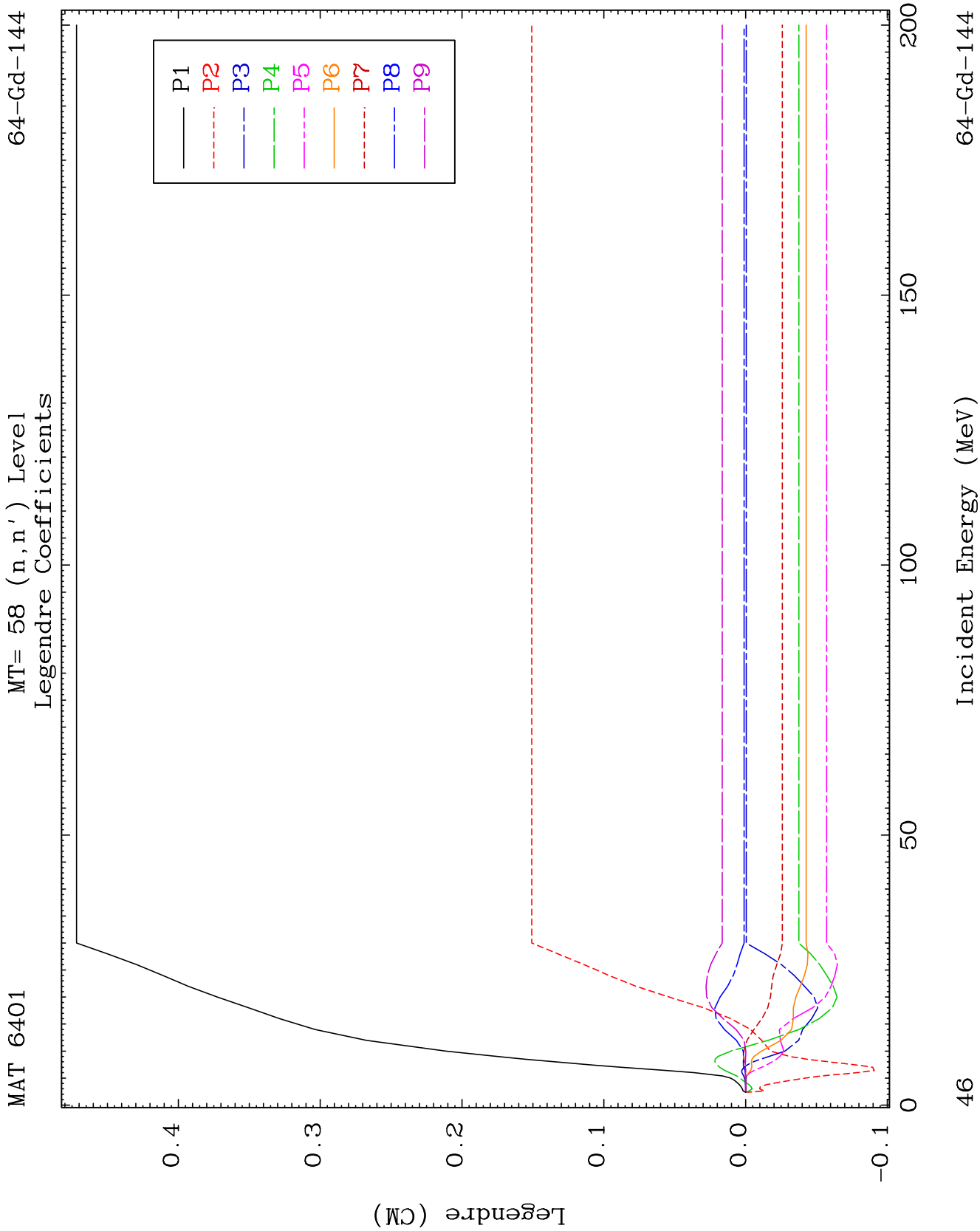
43

Incident Energy (MeV)

64-Gd-144



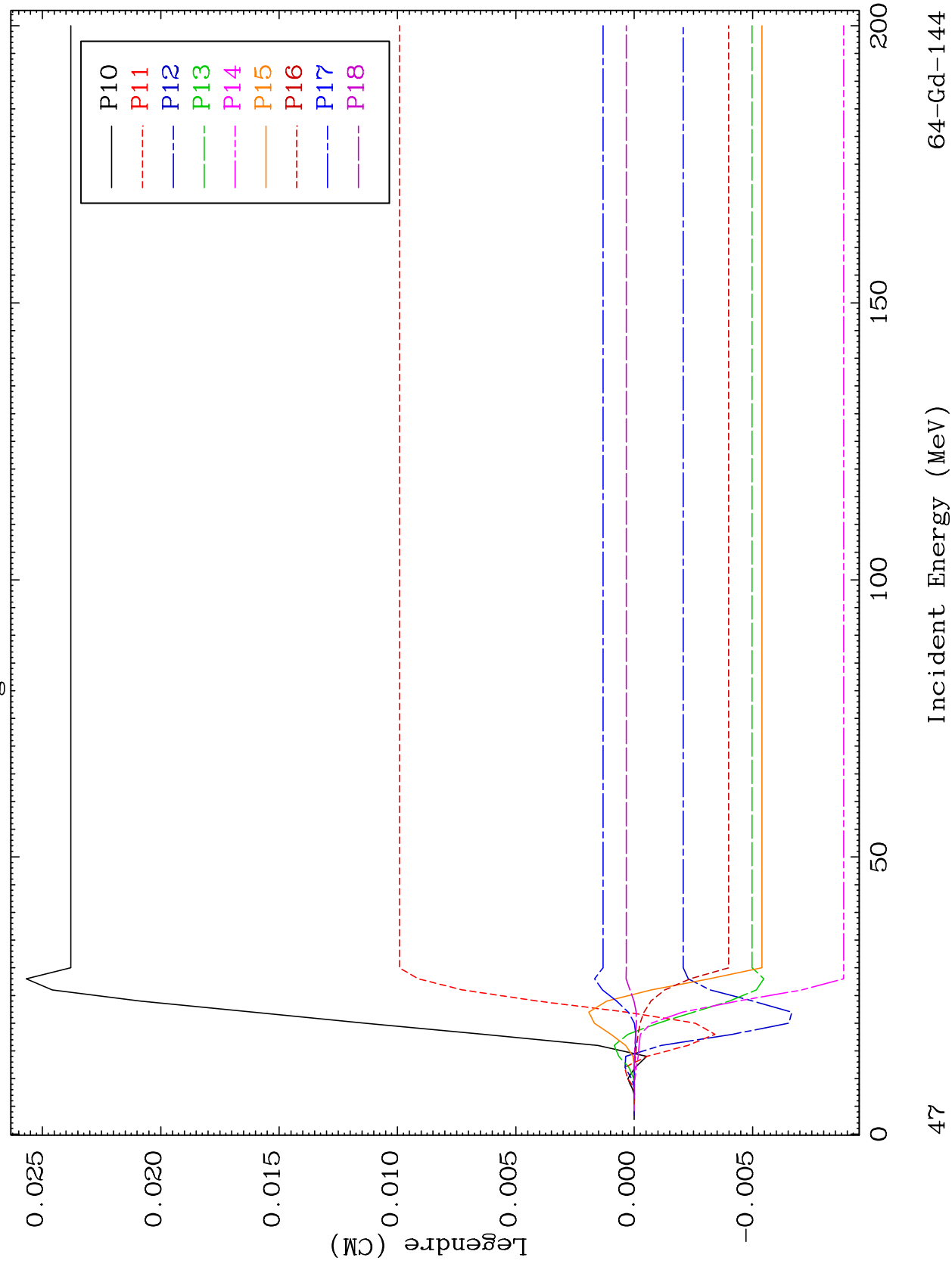


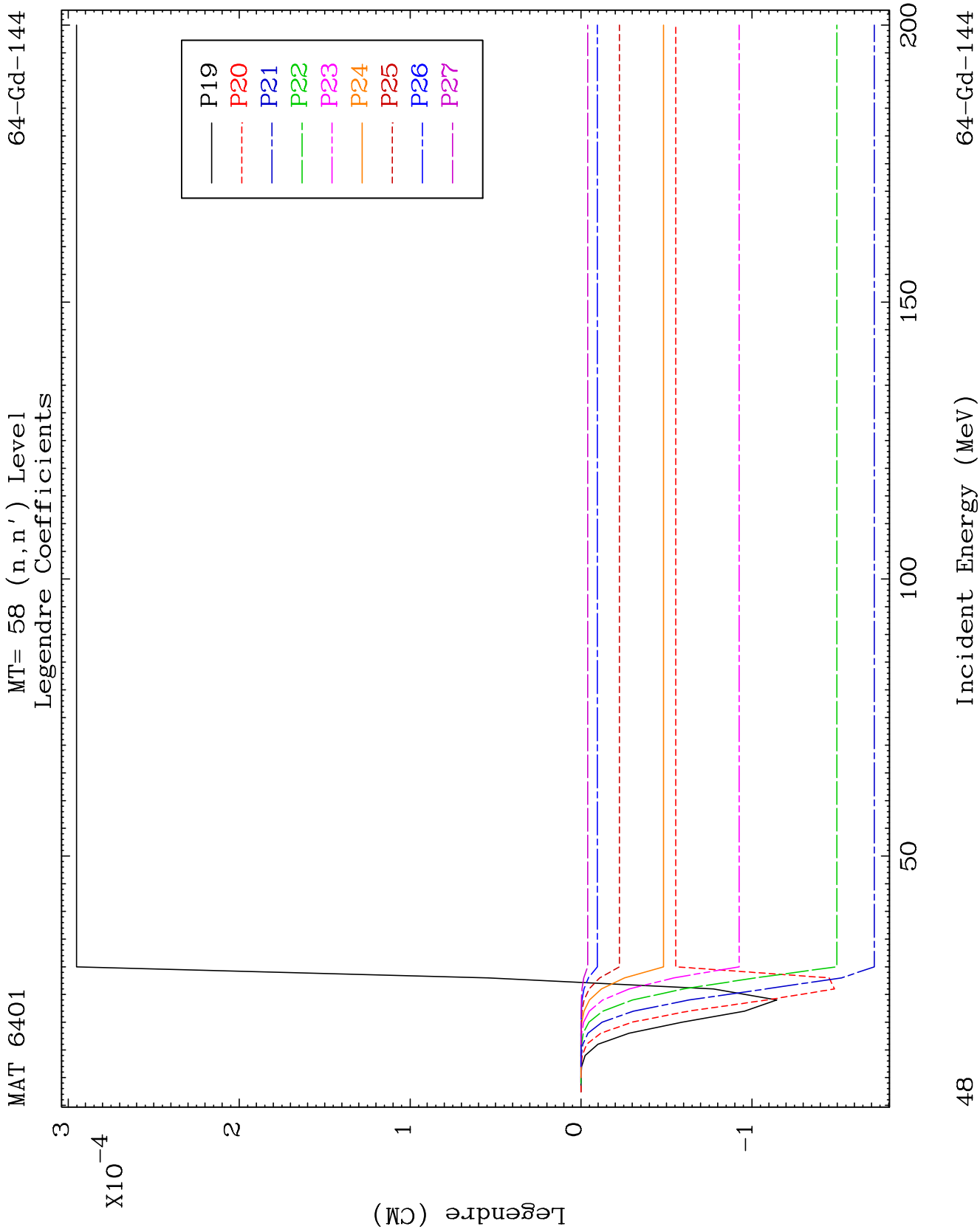


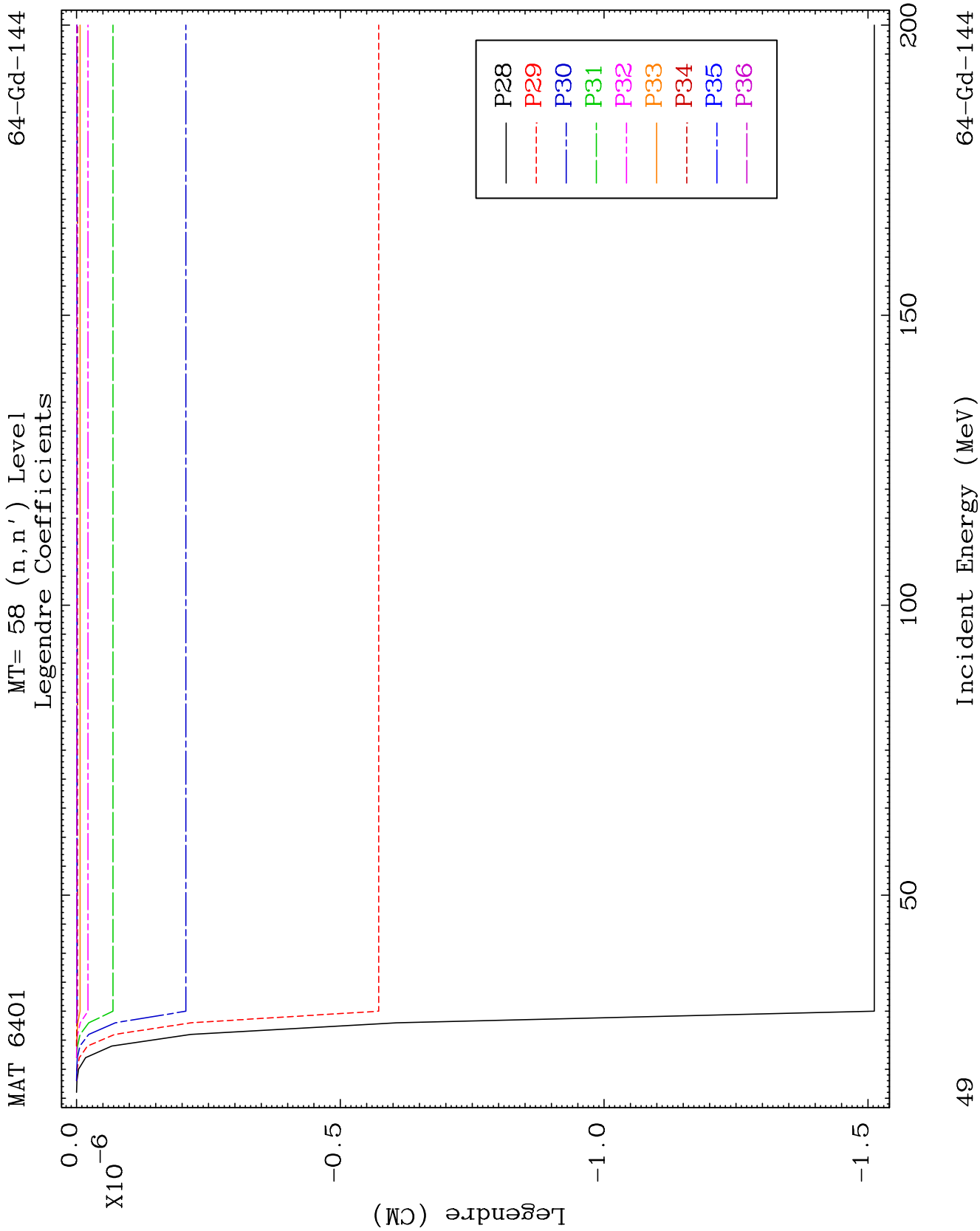
MAT 6401

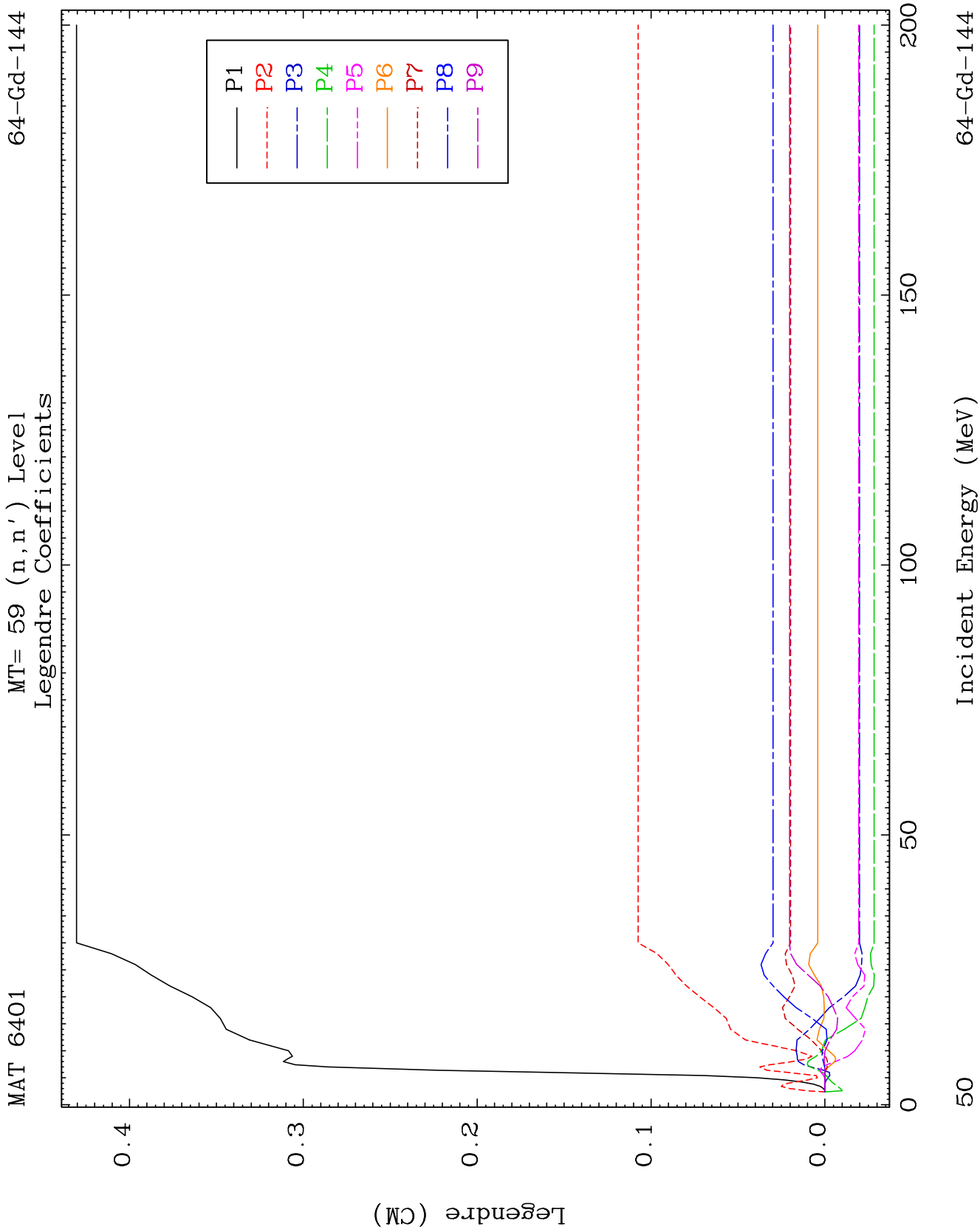
MT= 58 (n, n') Level
Legendre Coefficients

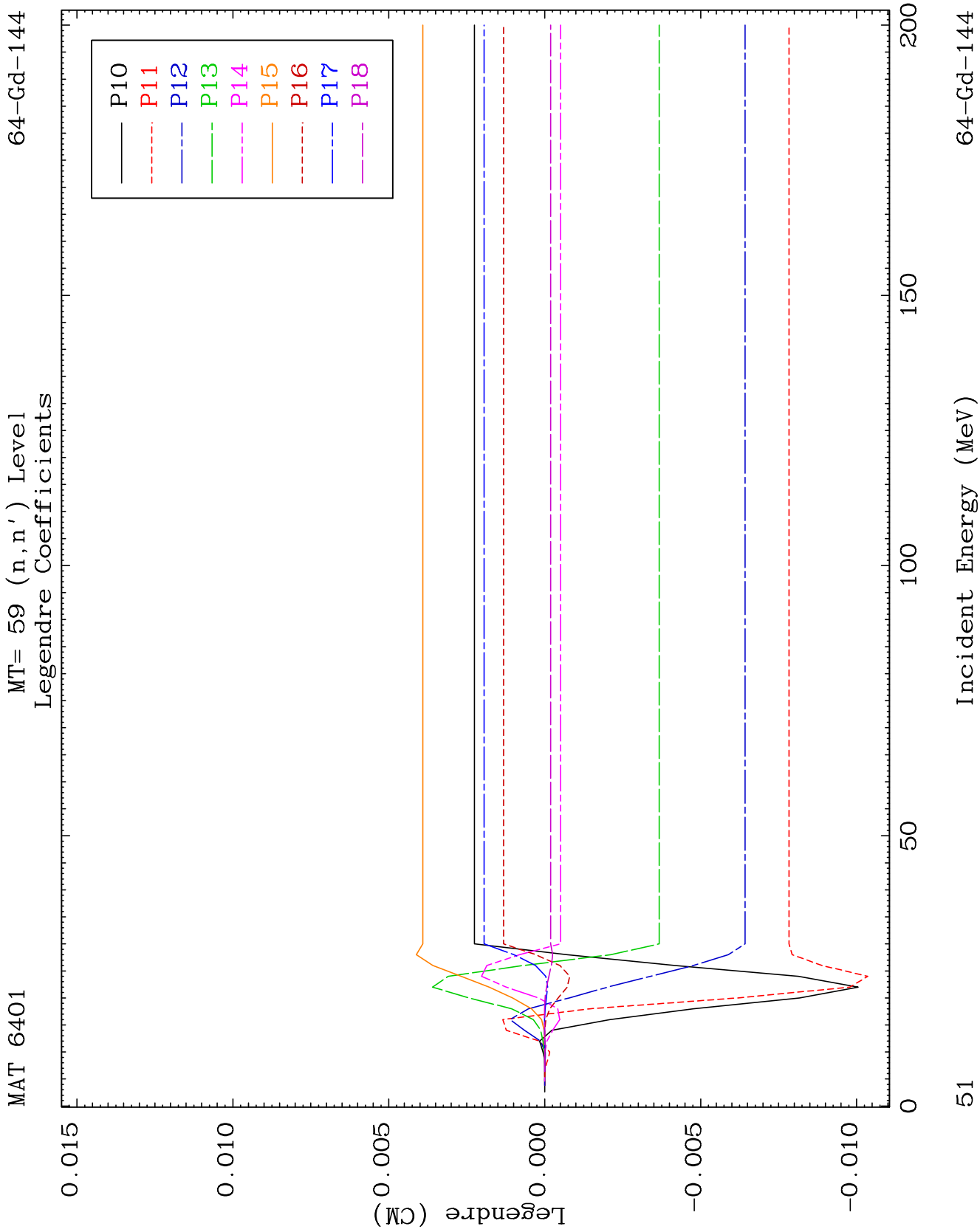
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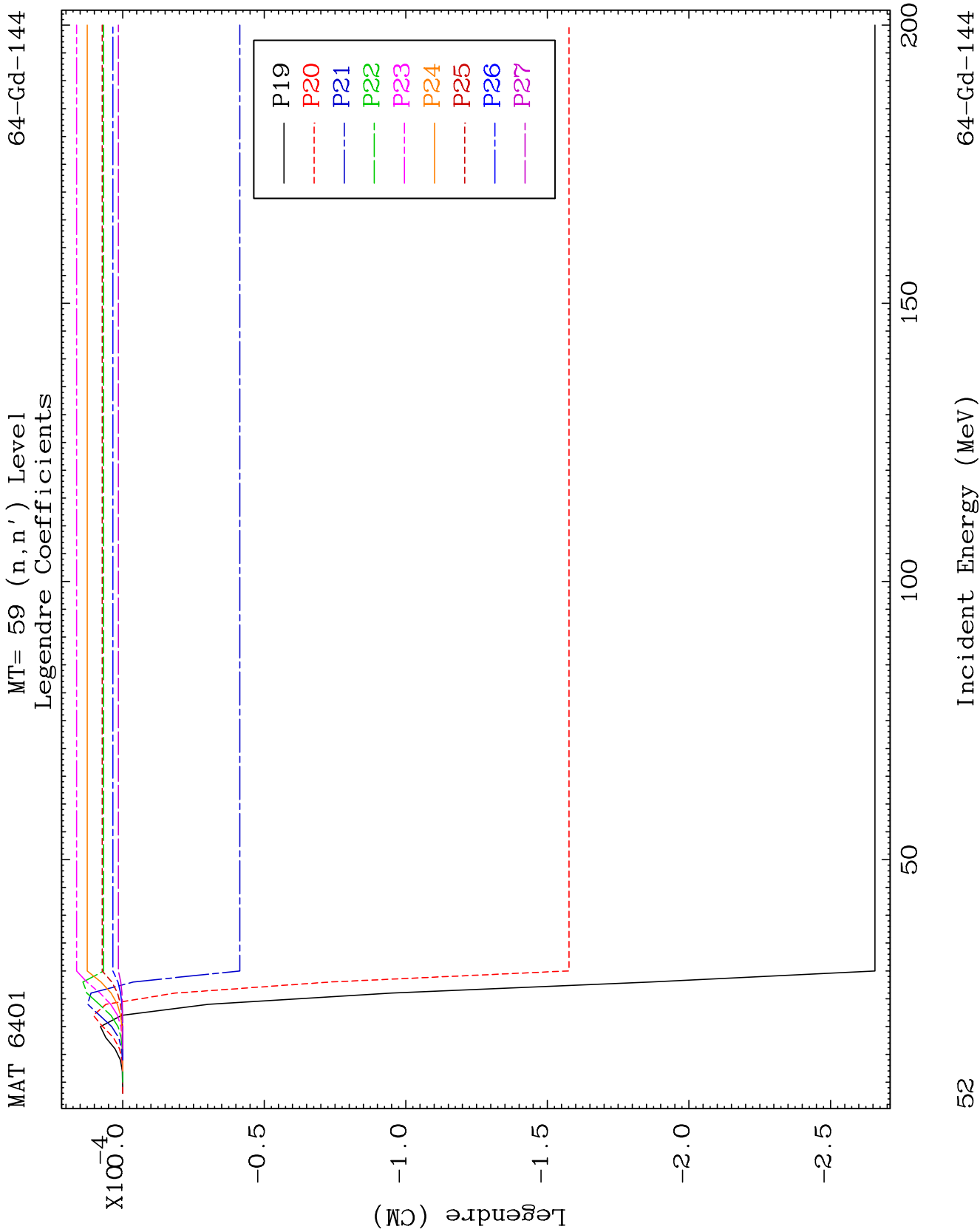


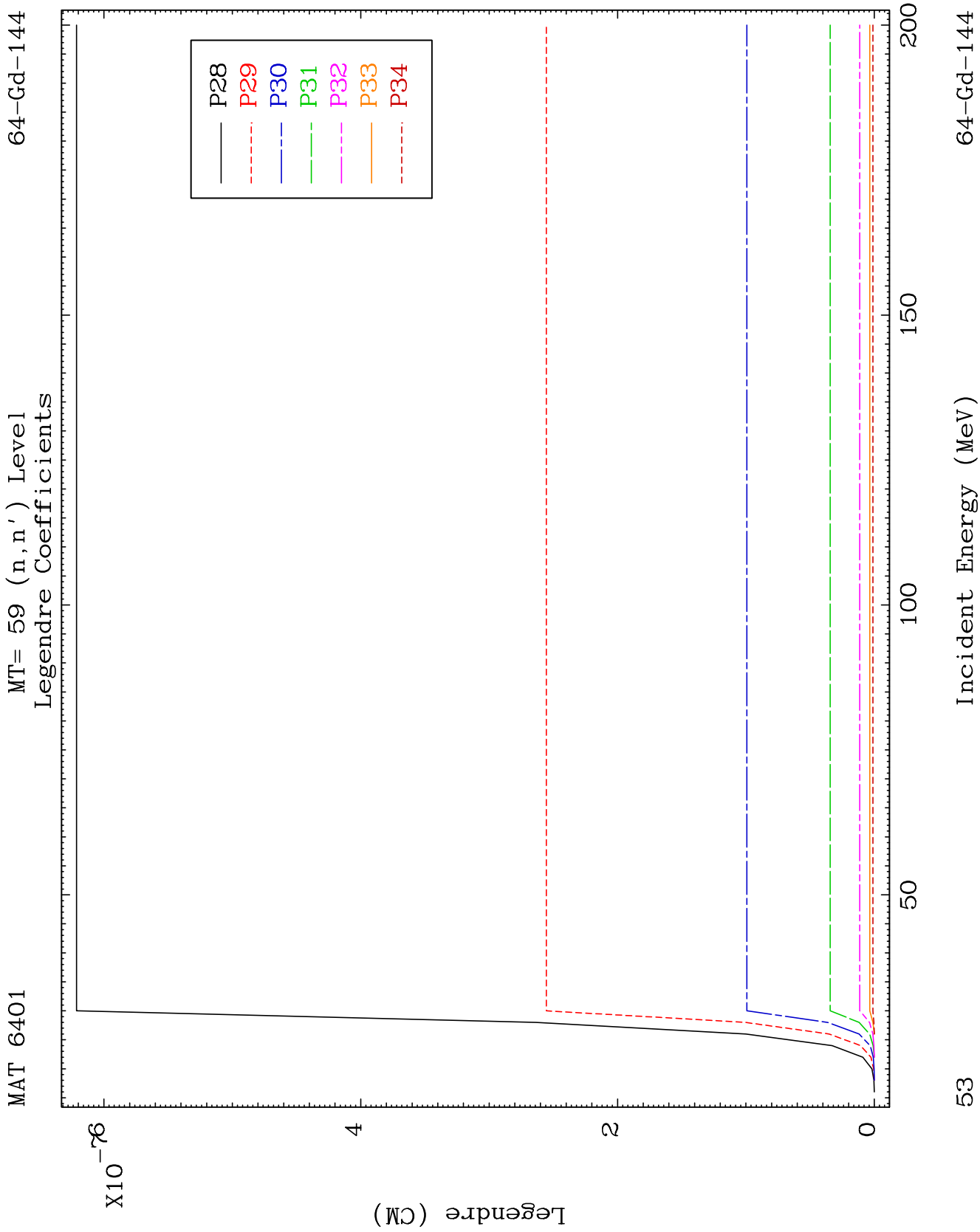


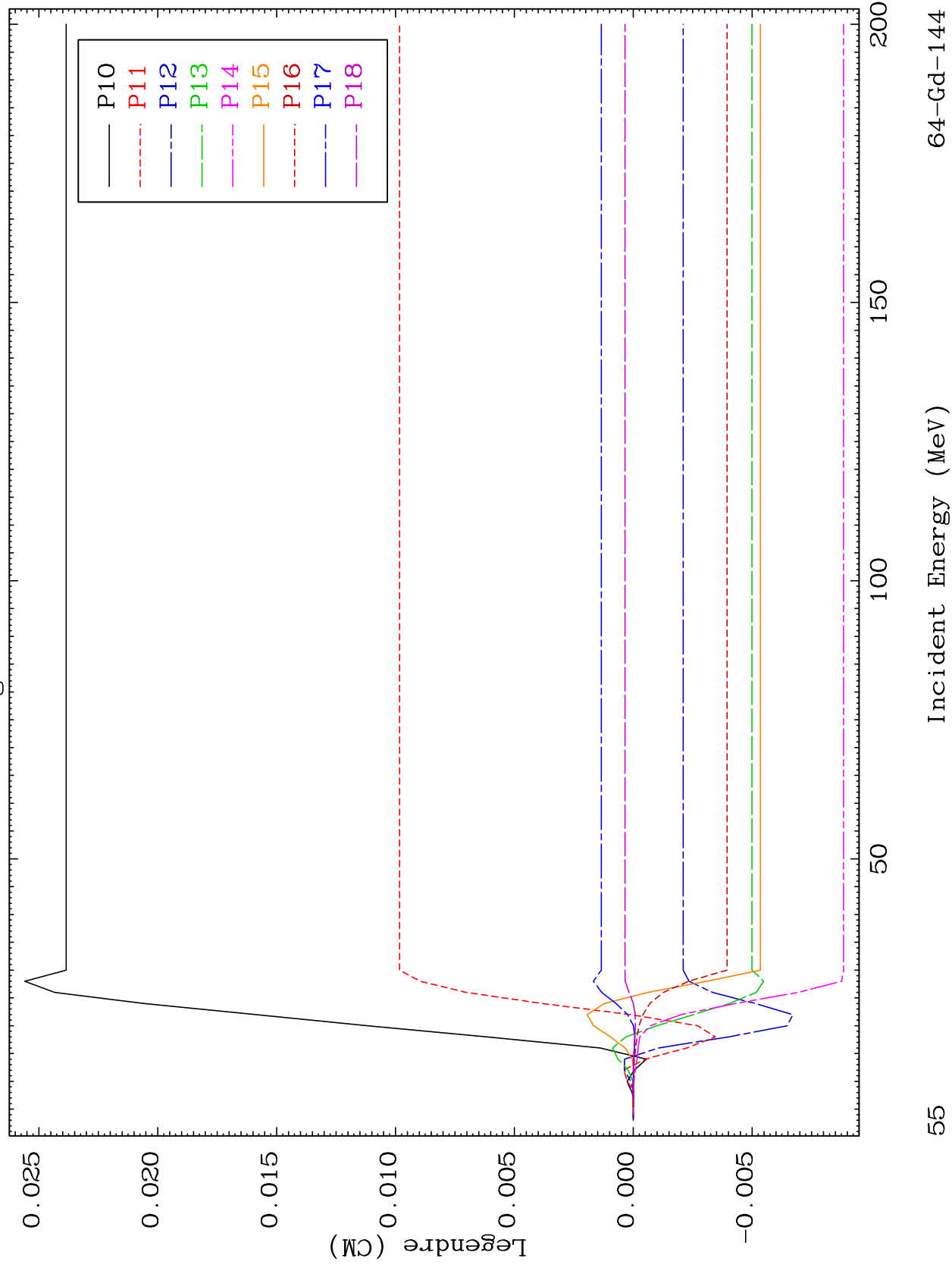








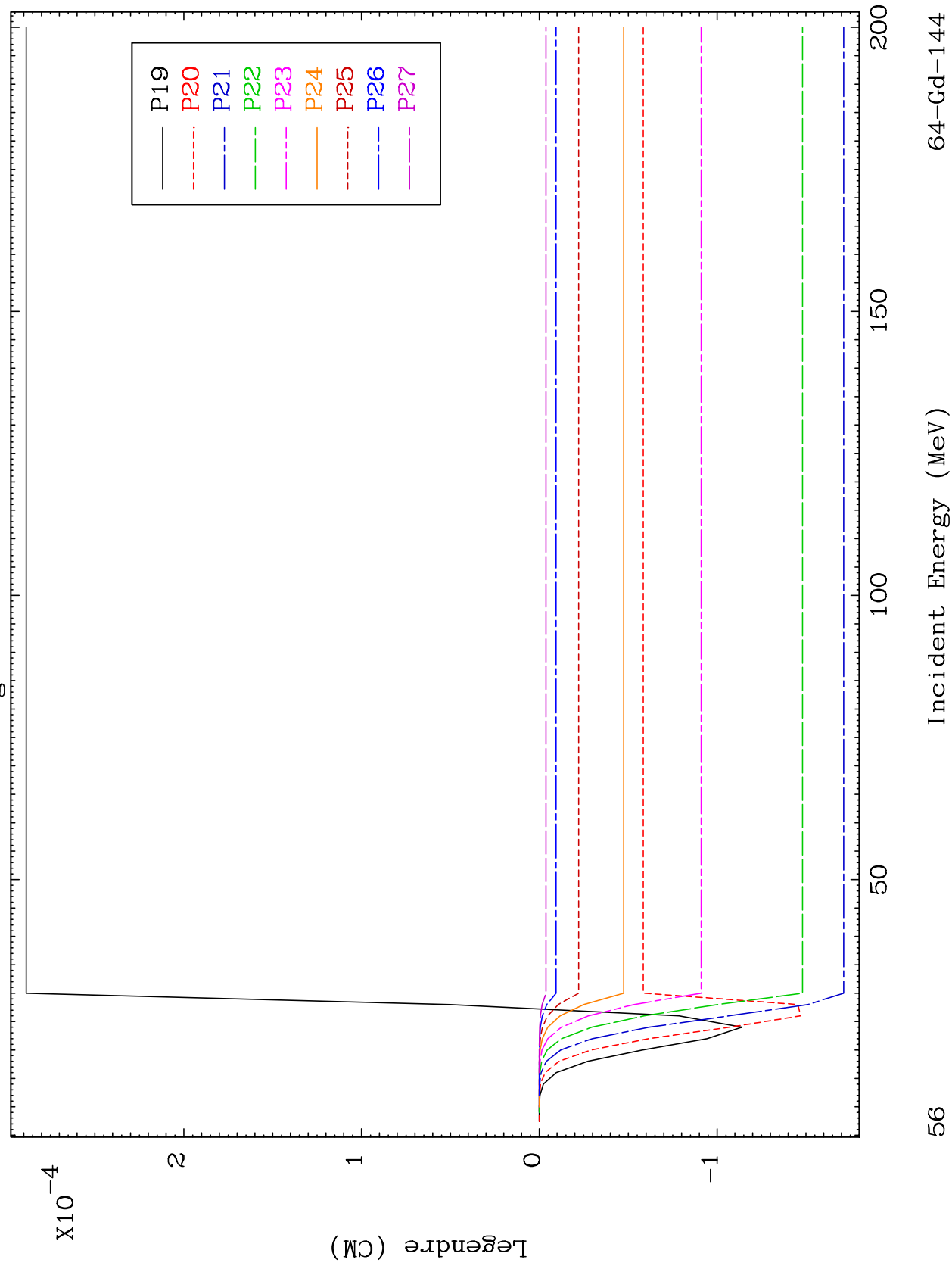


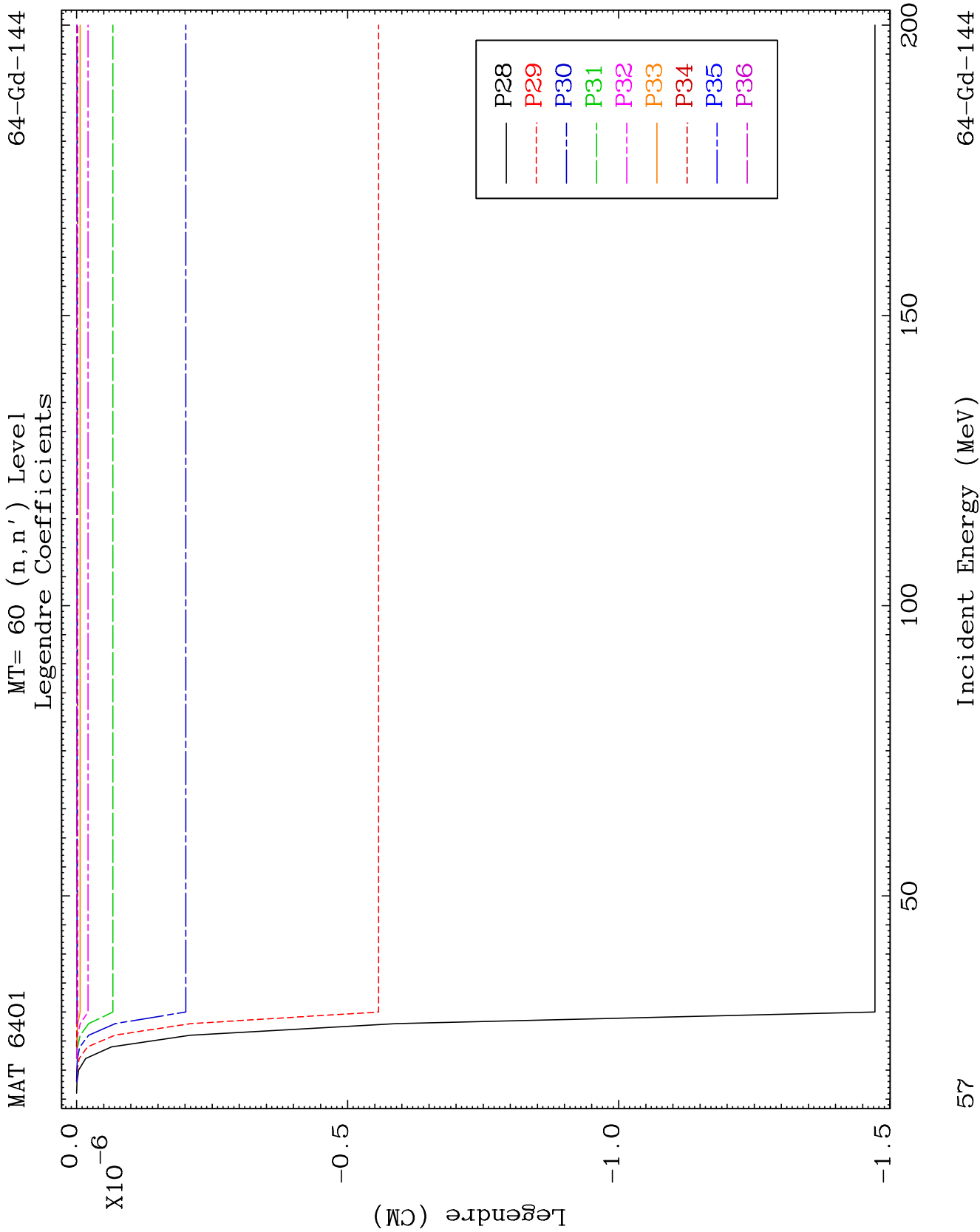


MAT 6401

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

64-Gd-144

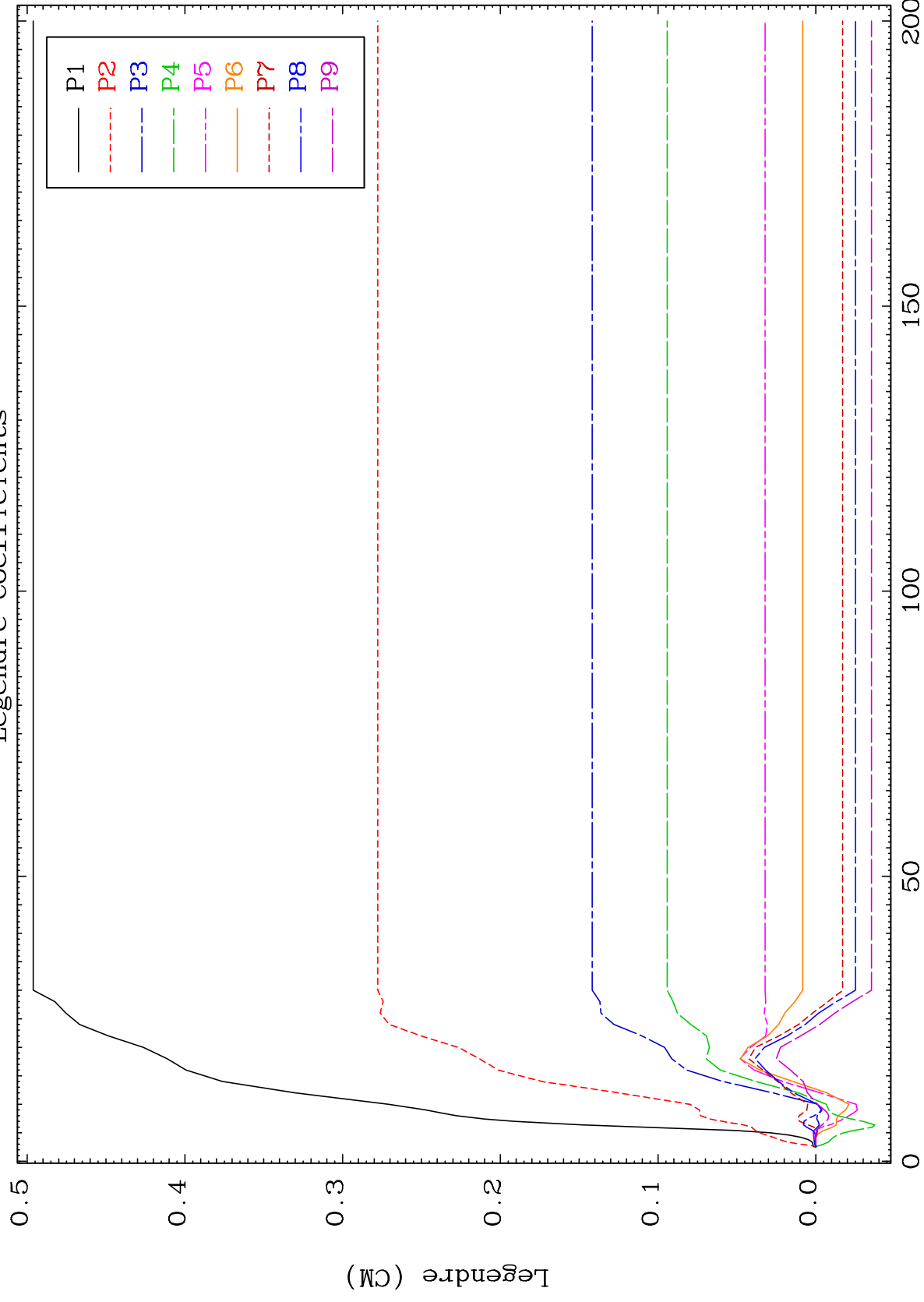




MAT 6401

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

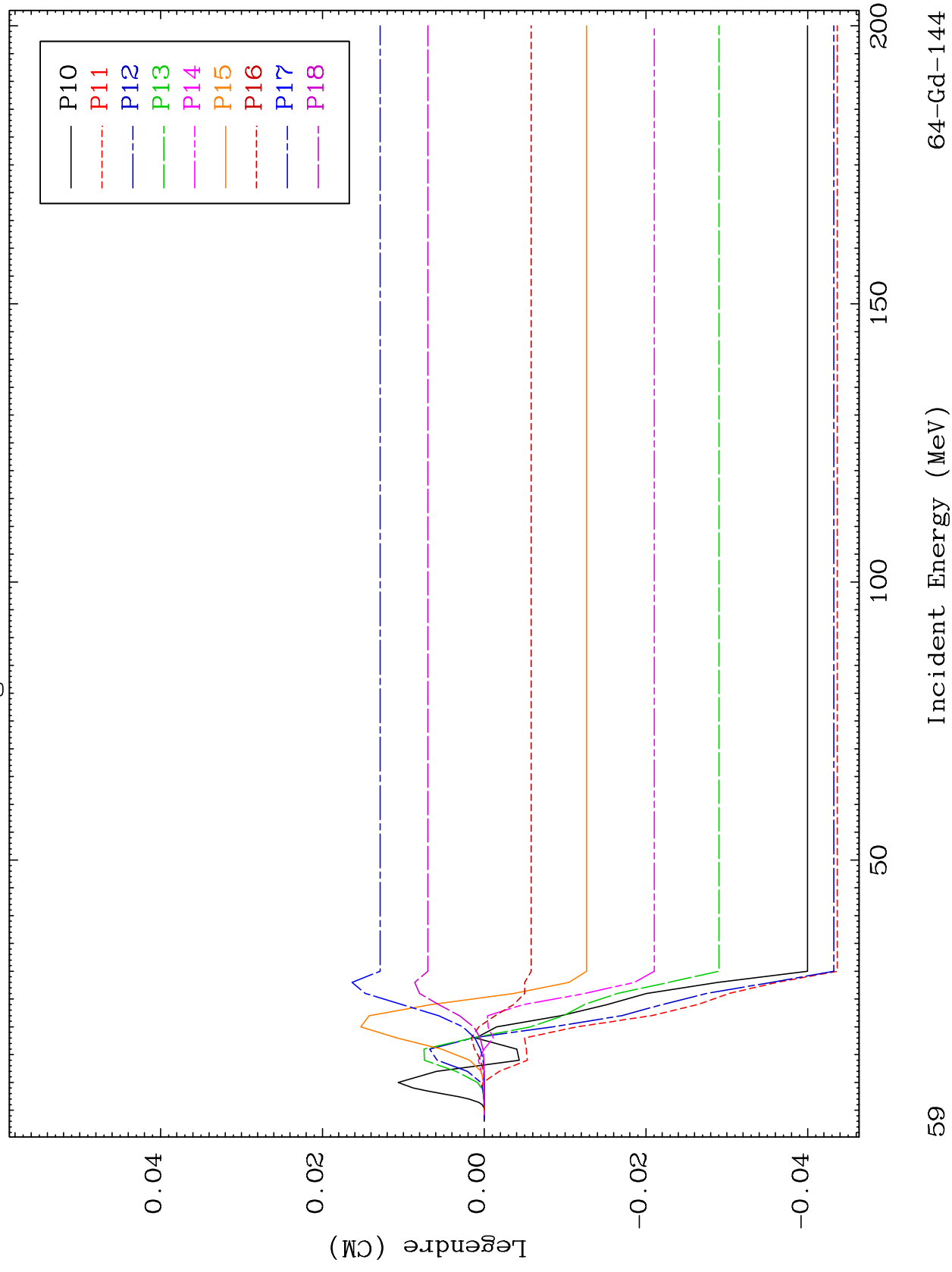
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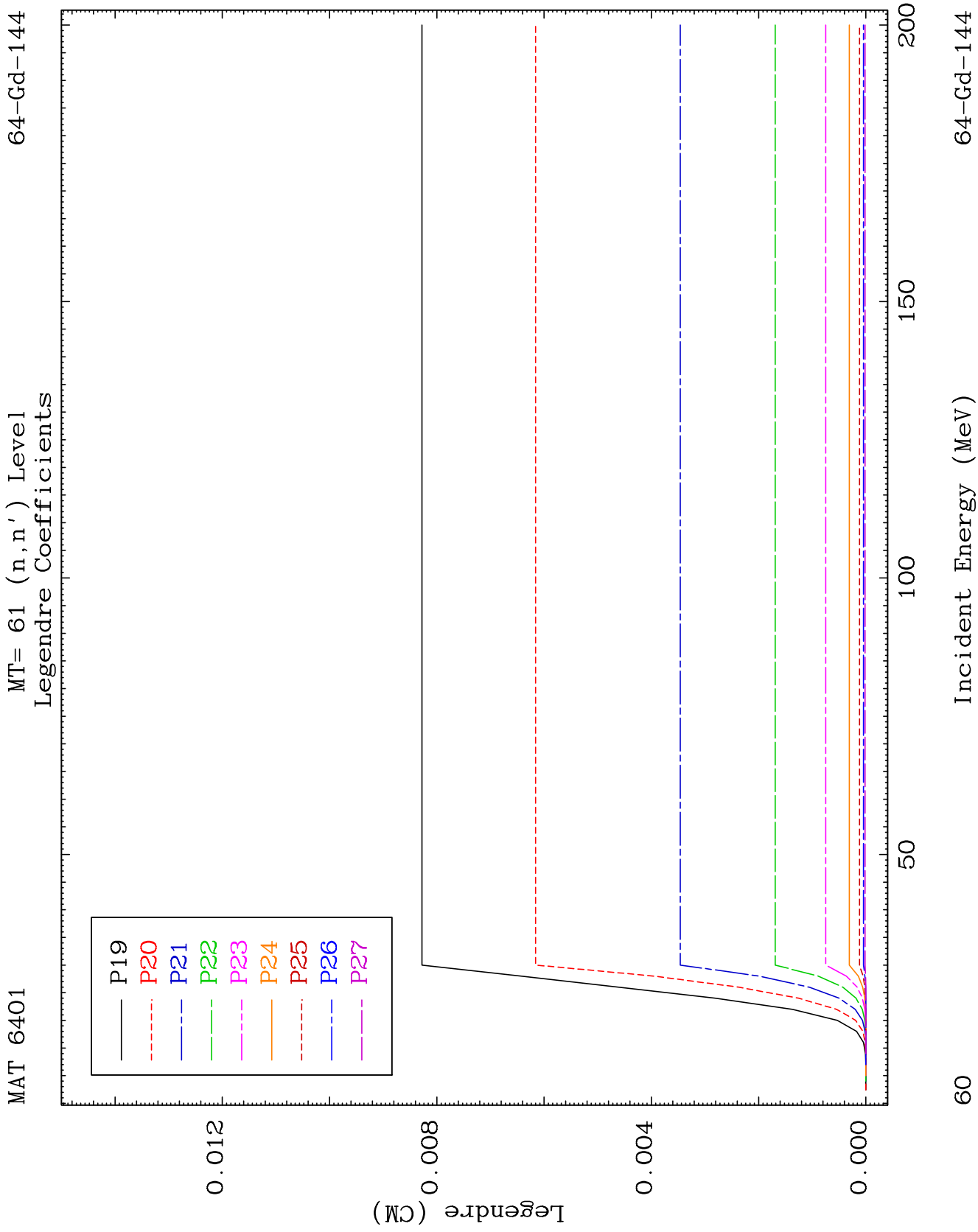


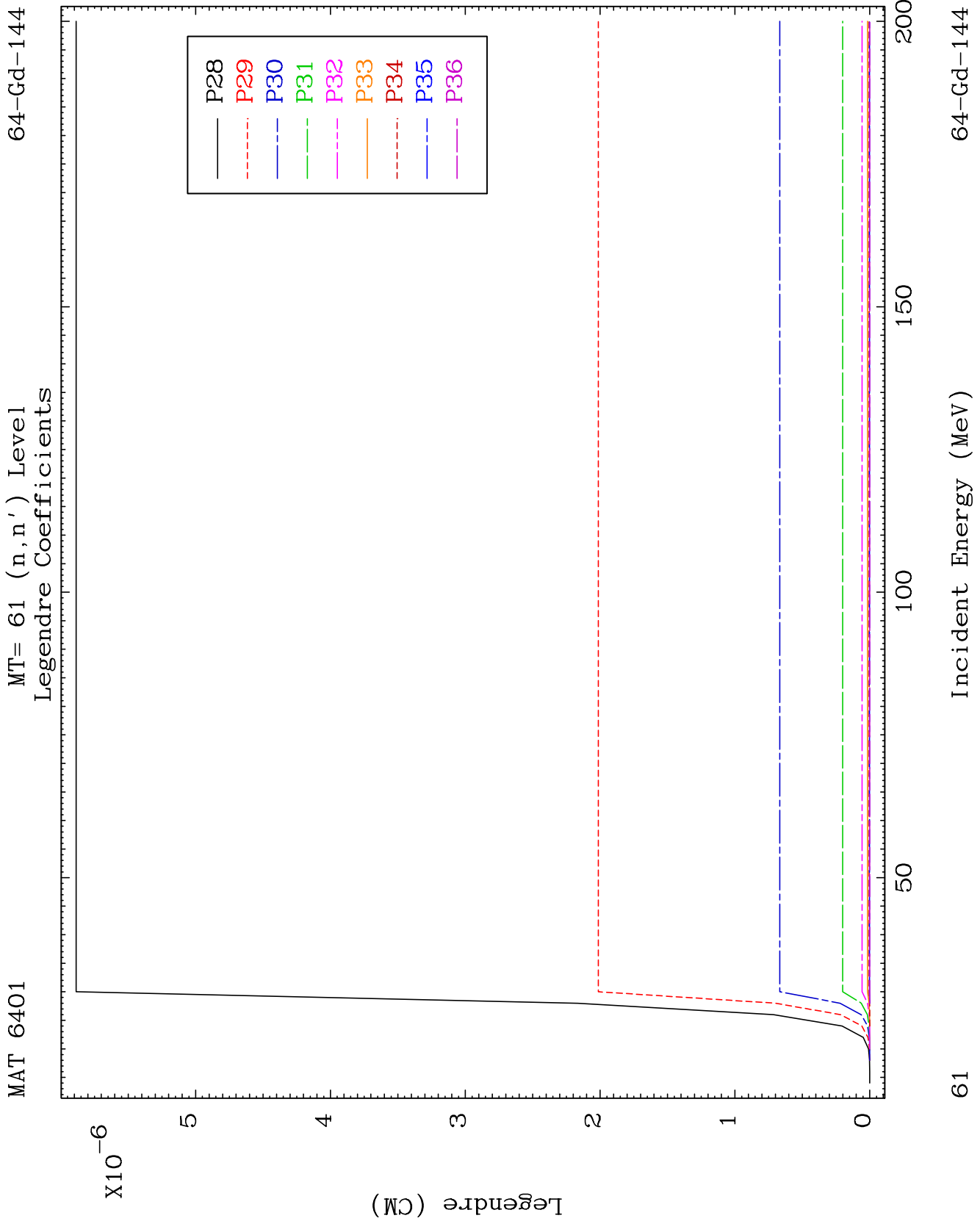
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Incident Energy (MeV)

64-Gd-144



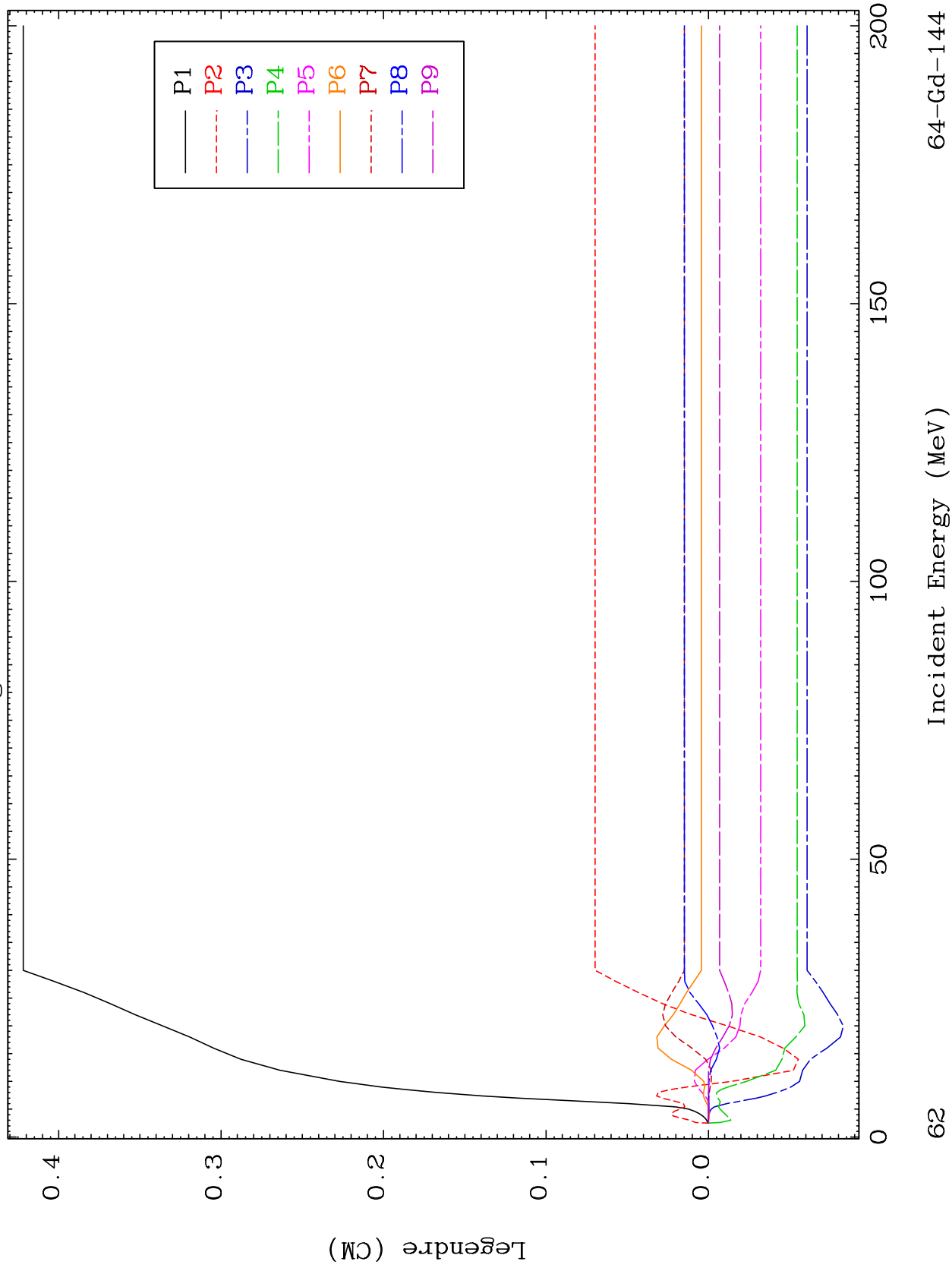




MAT 6401

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

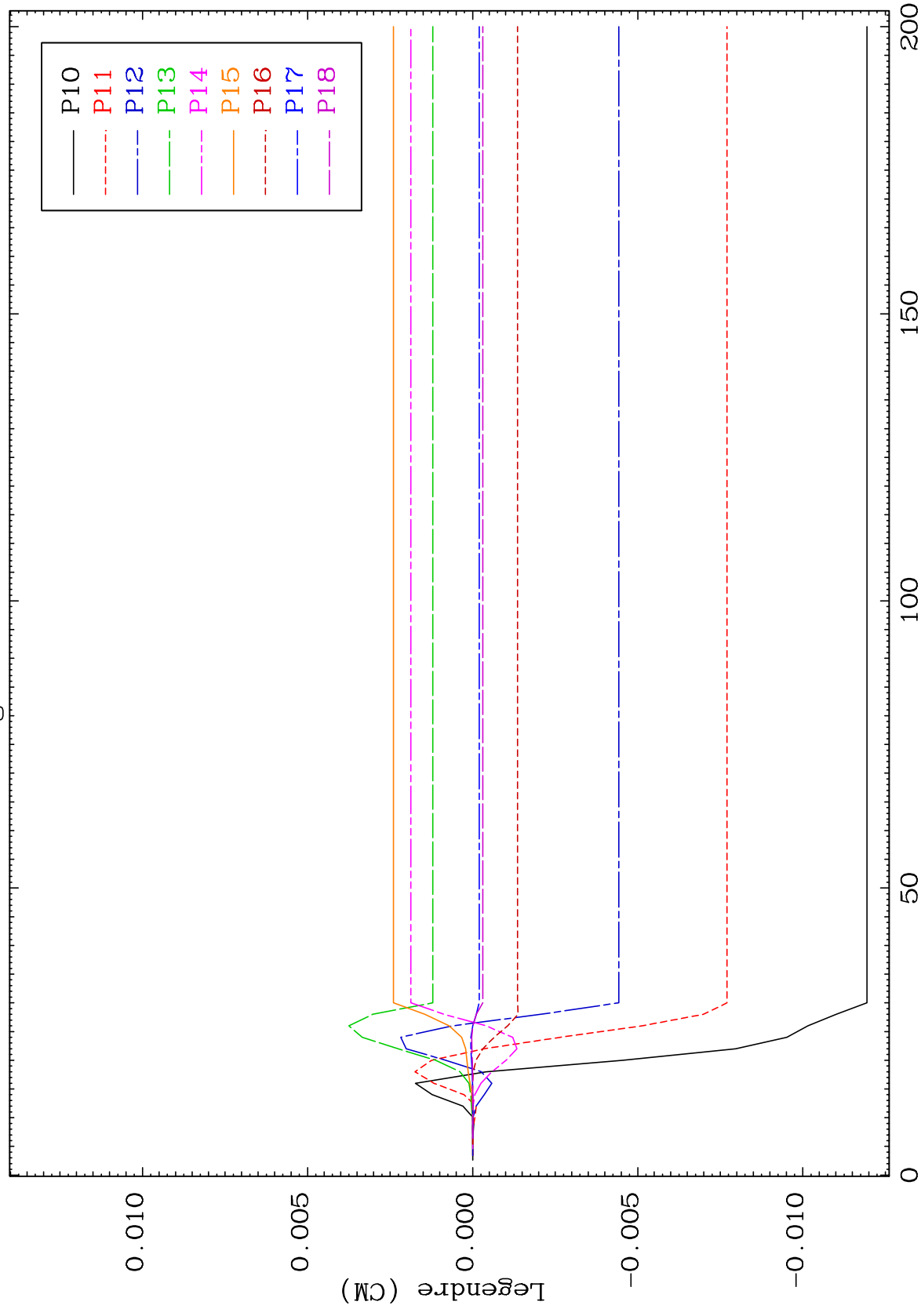
64-Gd-144



MAT 6401

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

64-Gd-144



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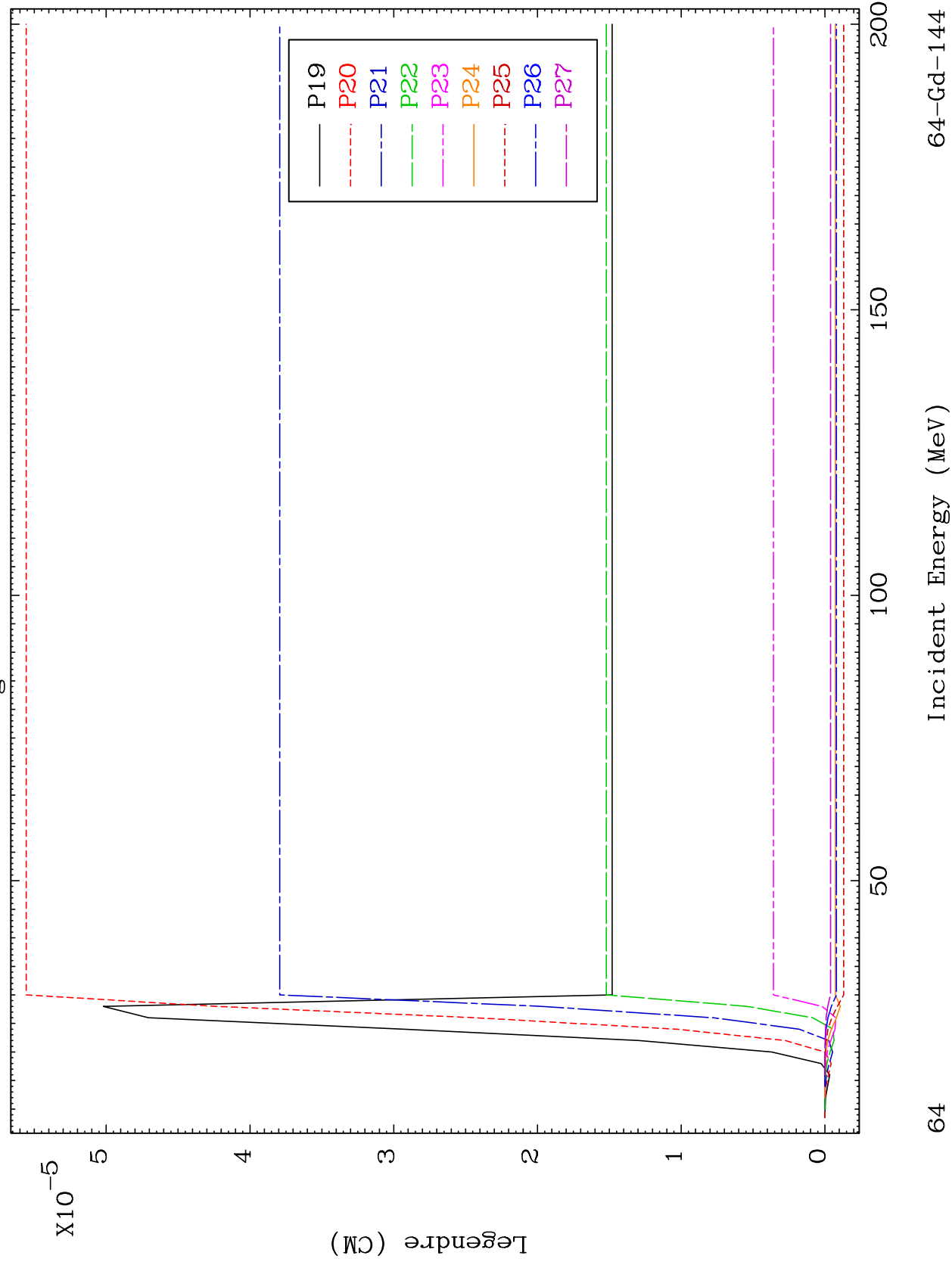
Incident Energy (MeV)

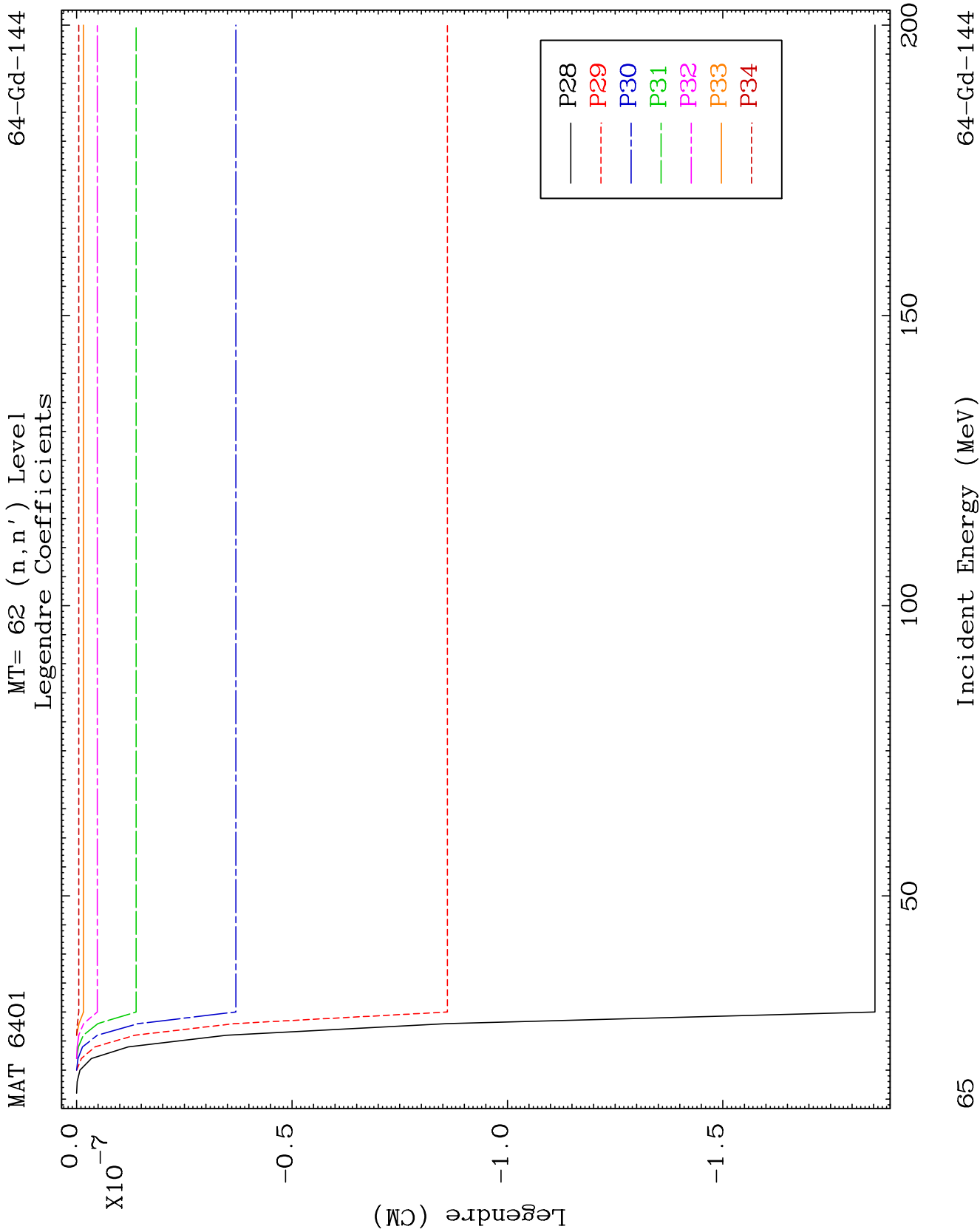
64-Gd-144

MAT 6401

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

64-Gd-144

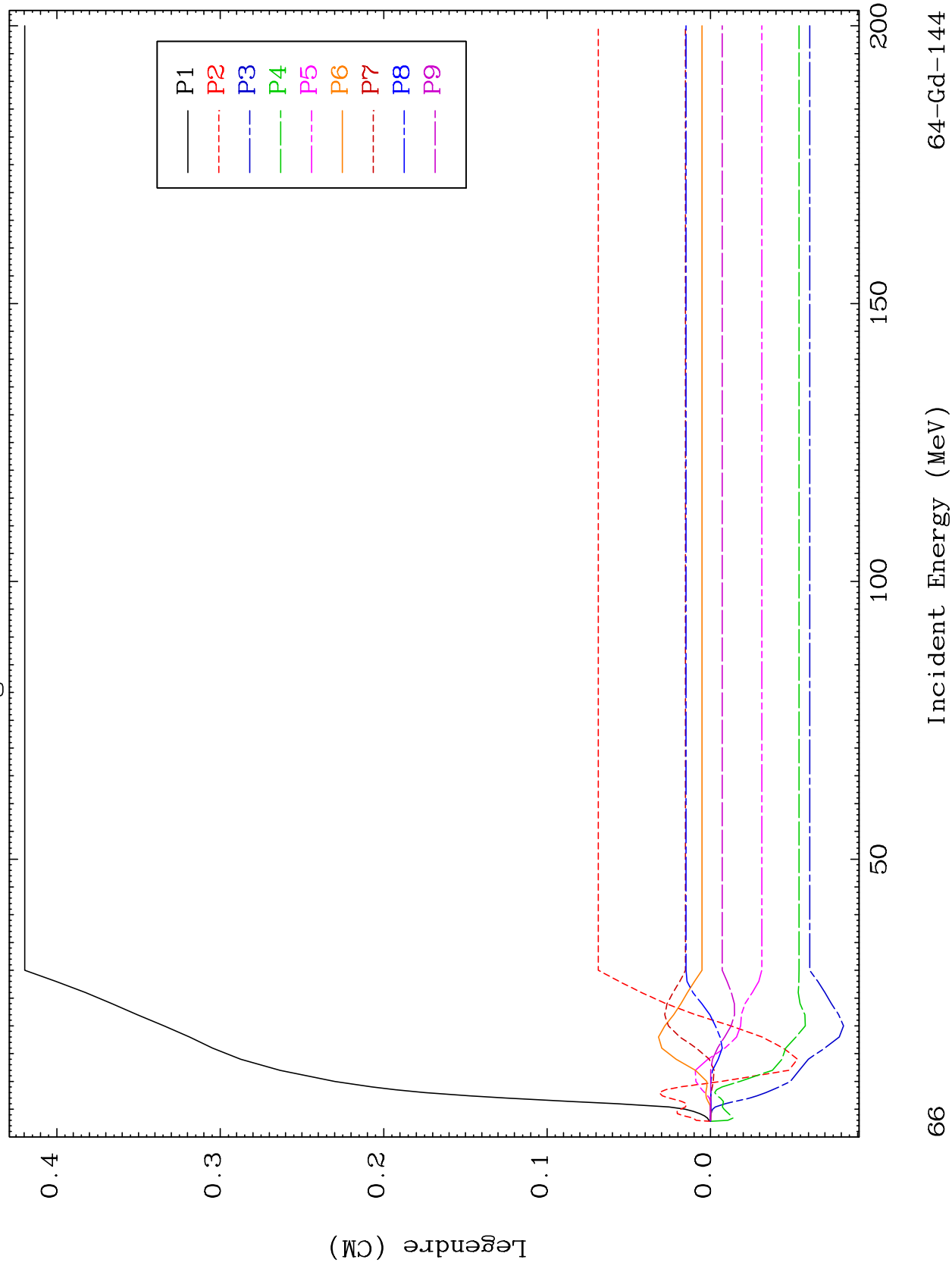




MAT 6401

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

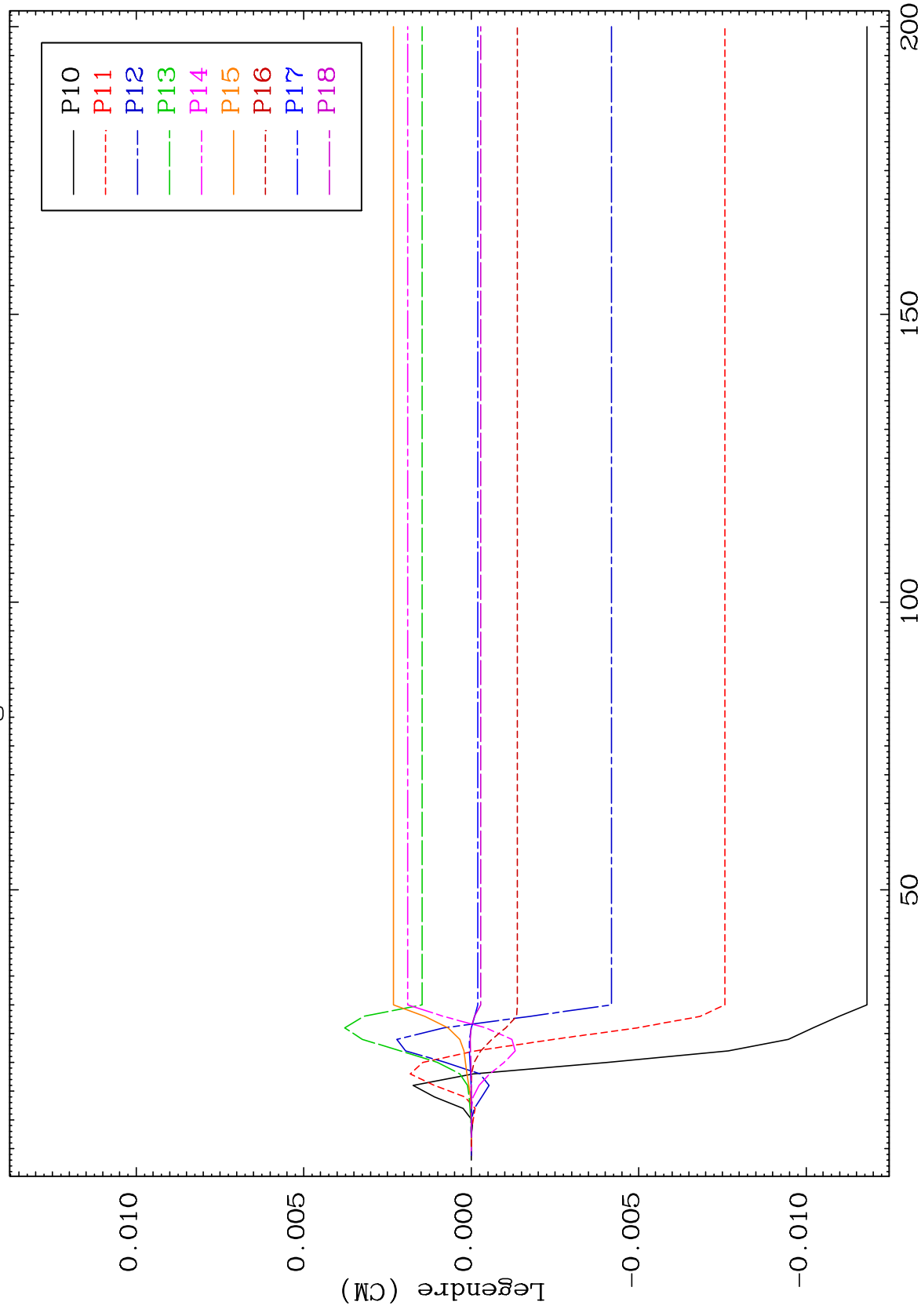
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MAT 6401

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

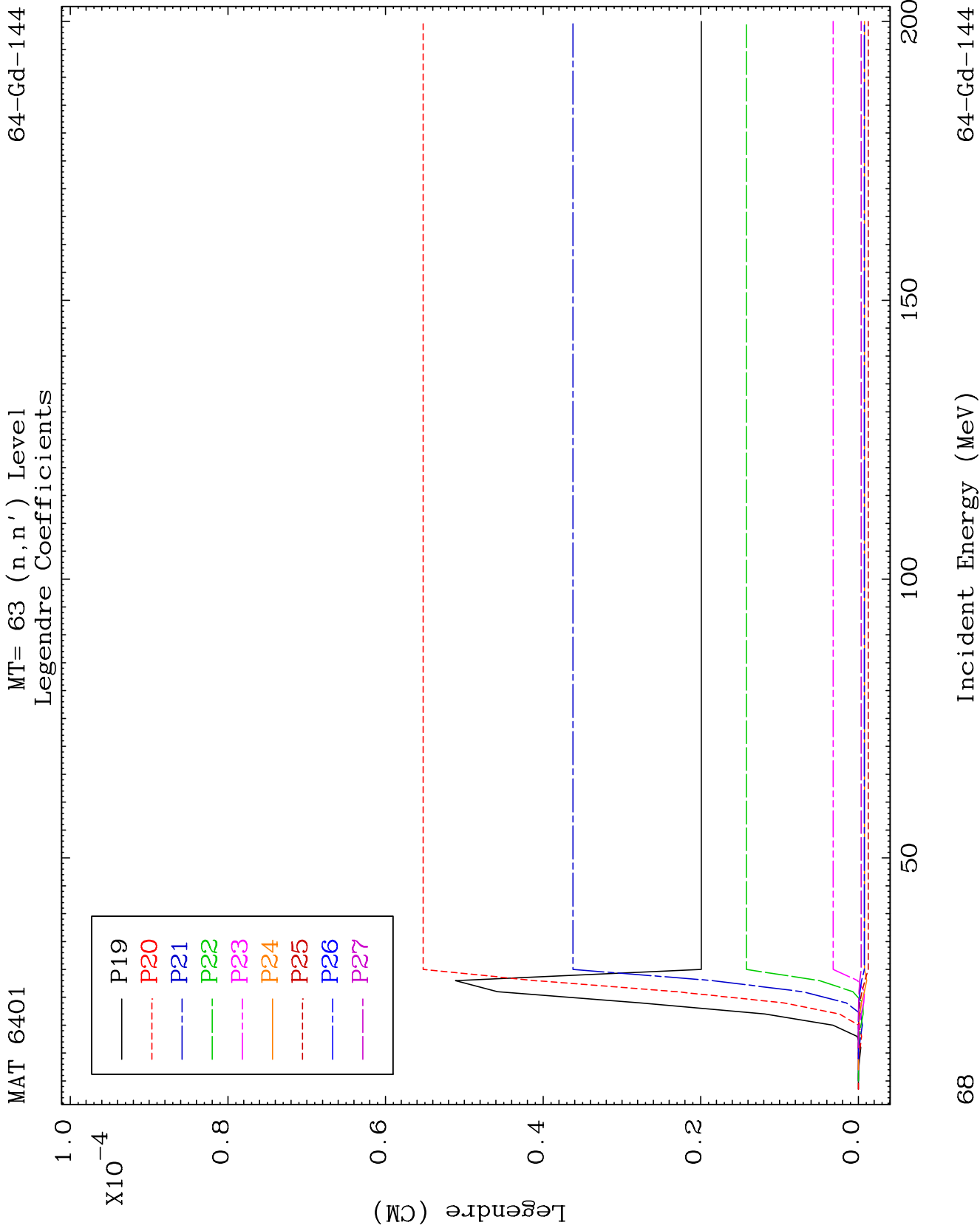
64-Gd-144



29

Incident Energy (MeV)

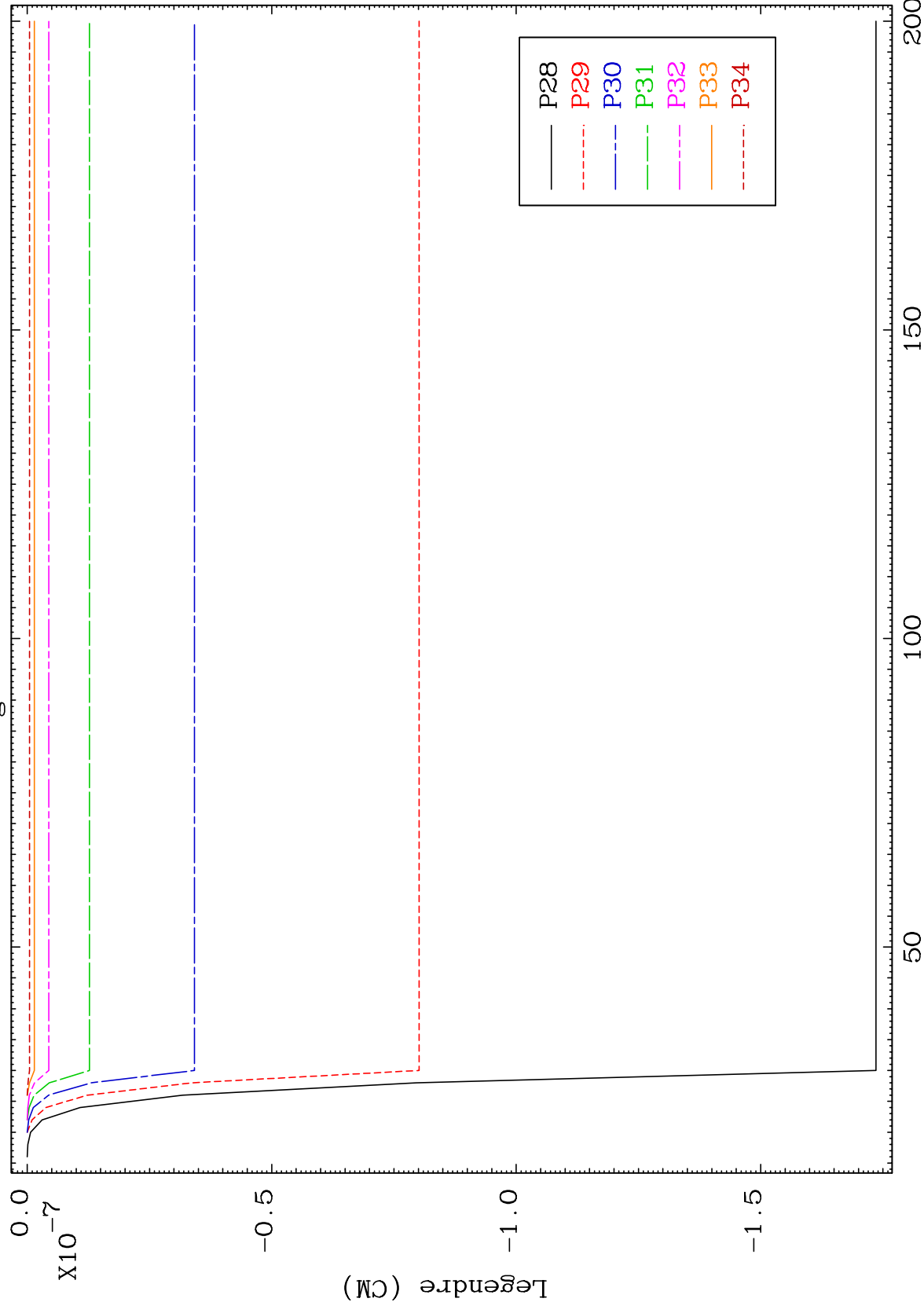
64-Gd-144



MAT 6401

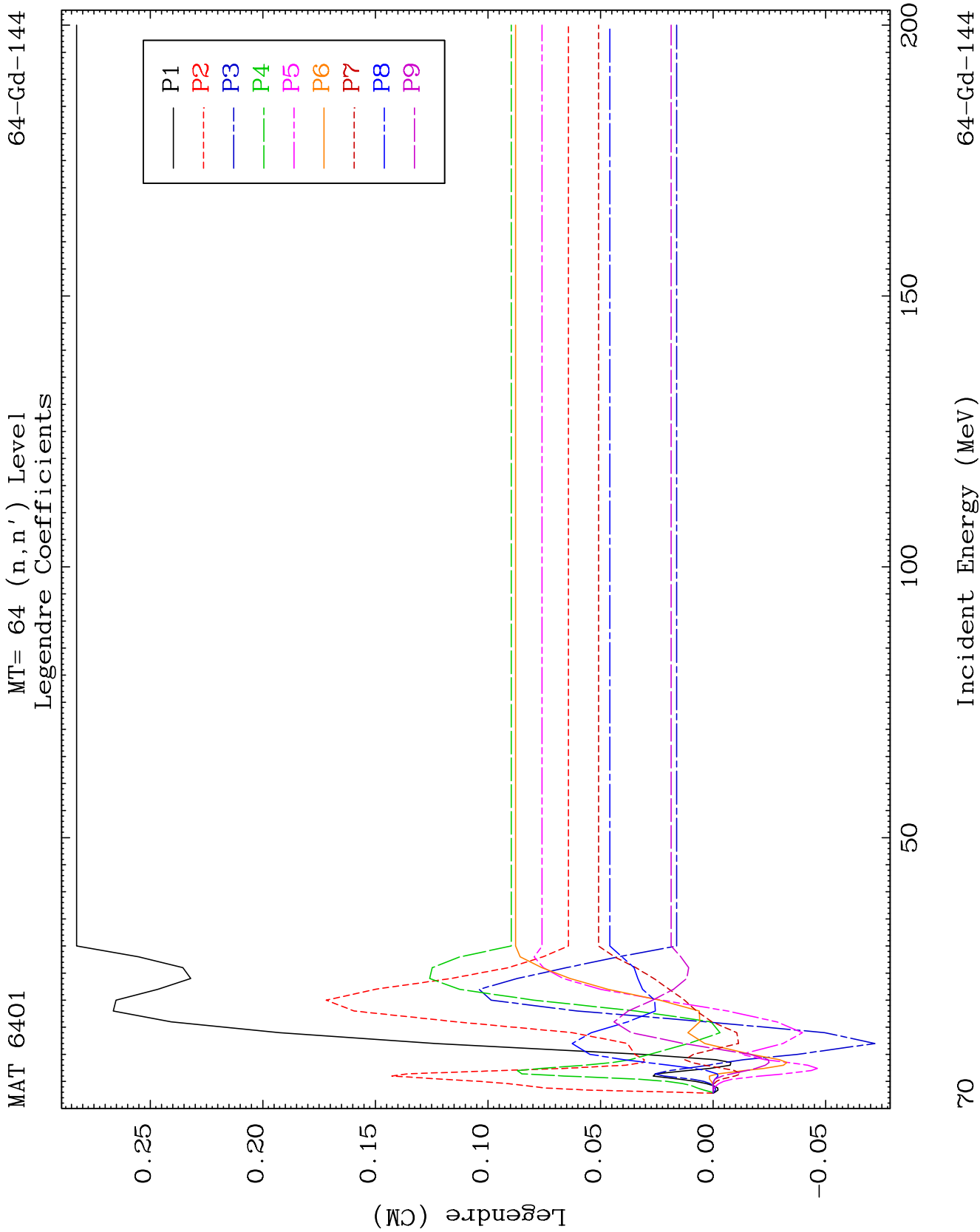
MT= 63 (n, n') Level
Legendre Coefficients

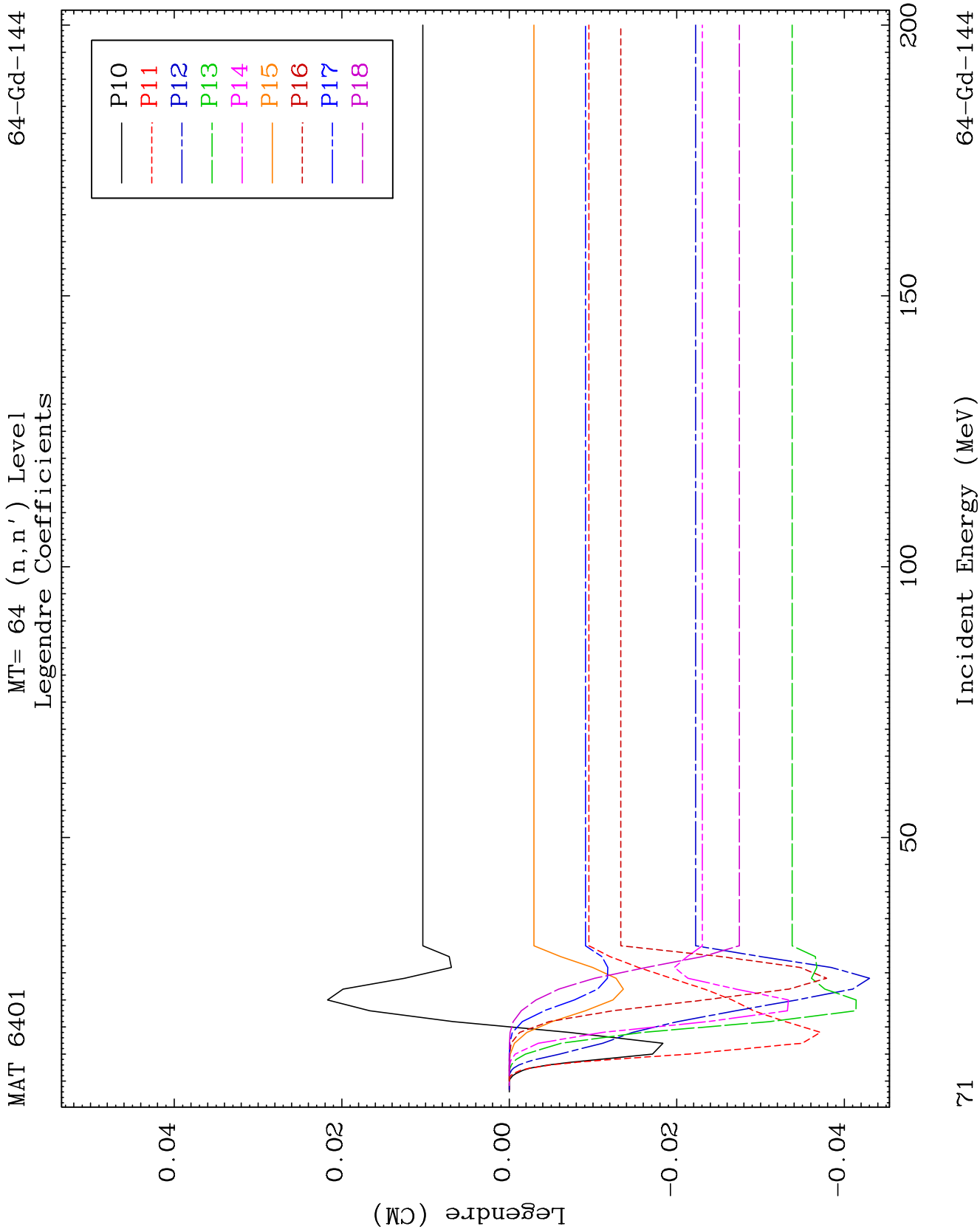
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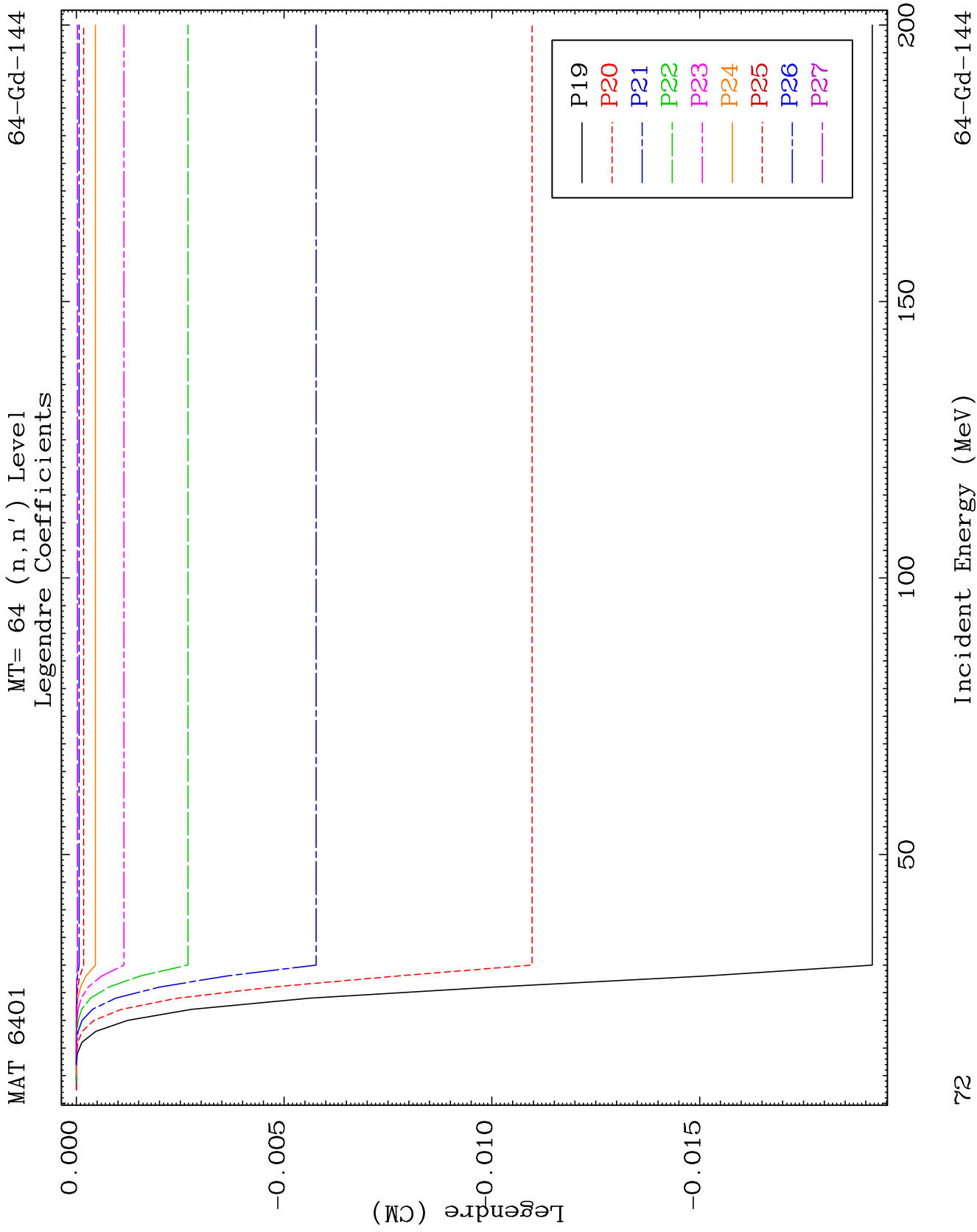


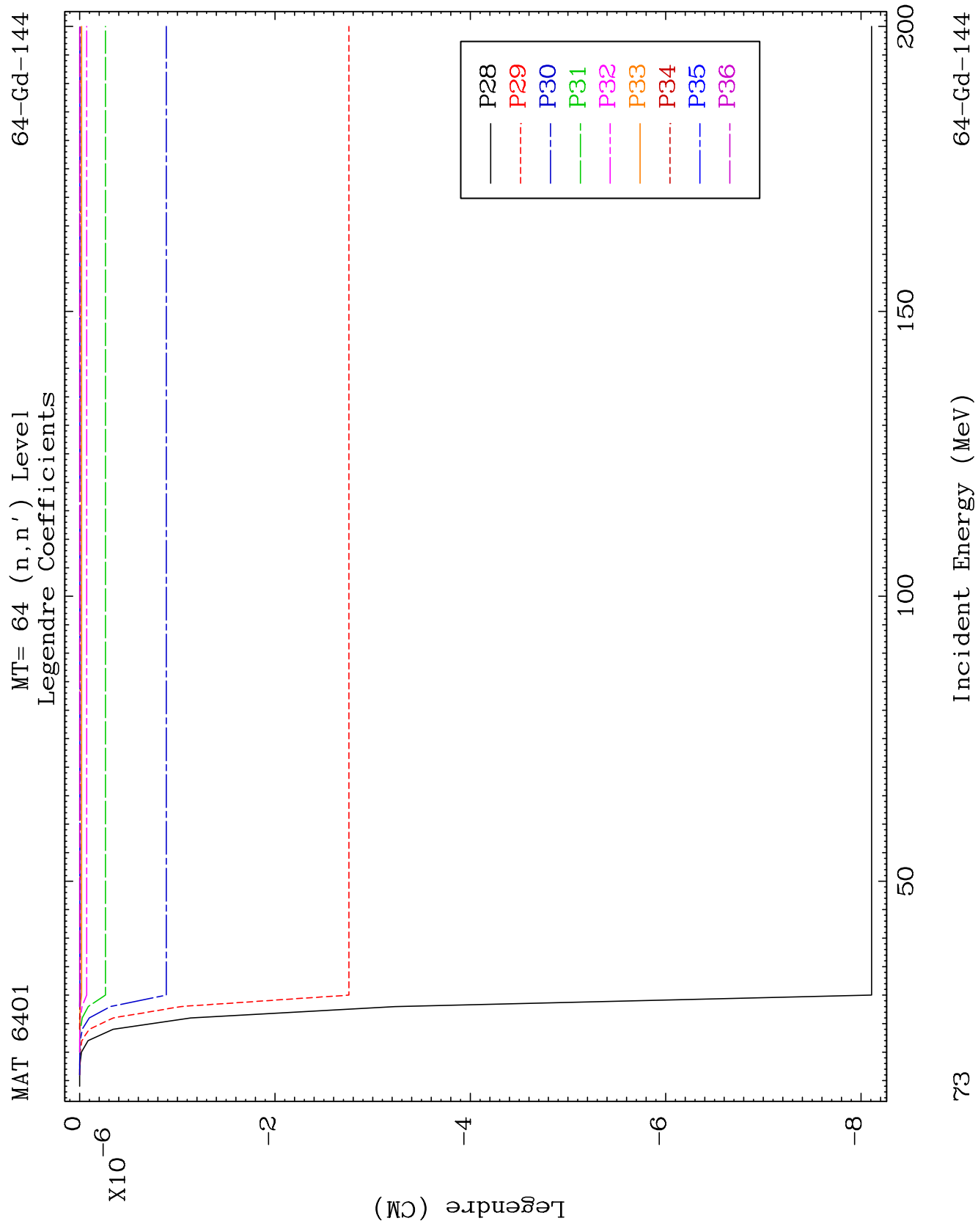
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64-Gd-144





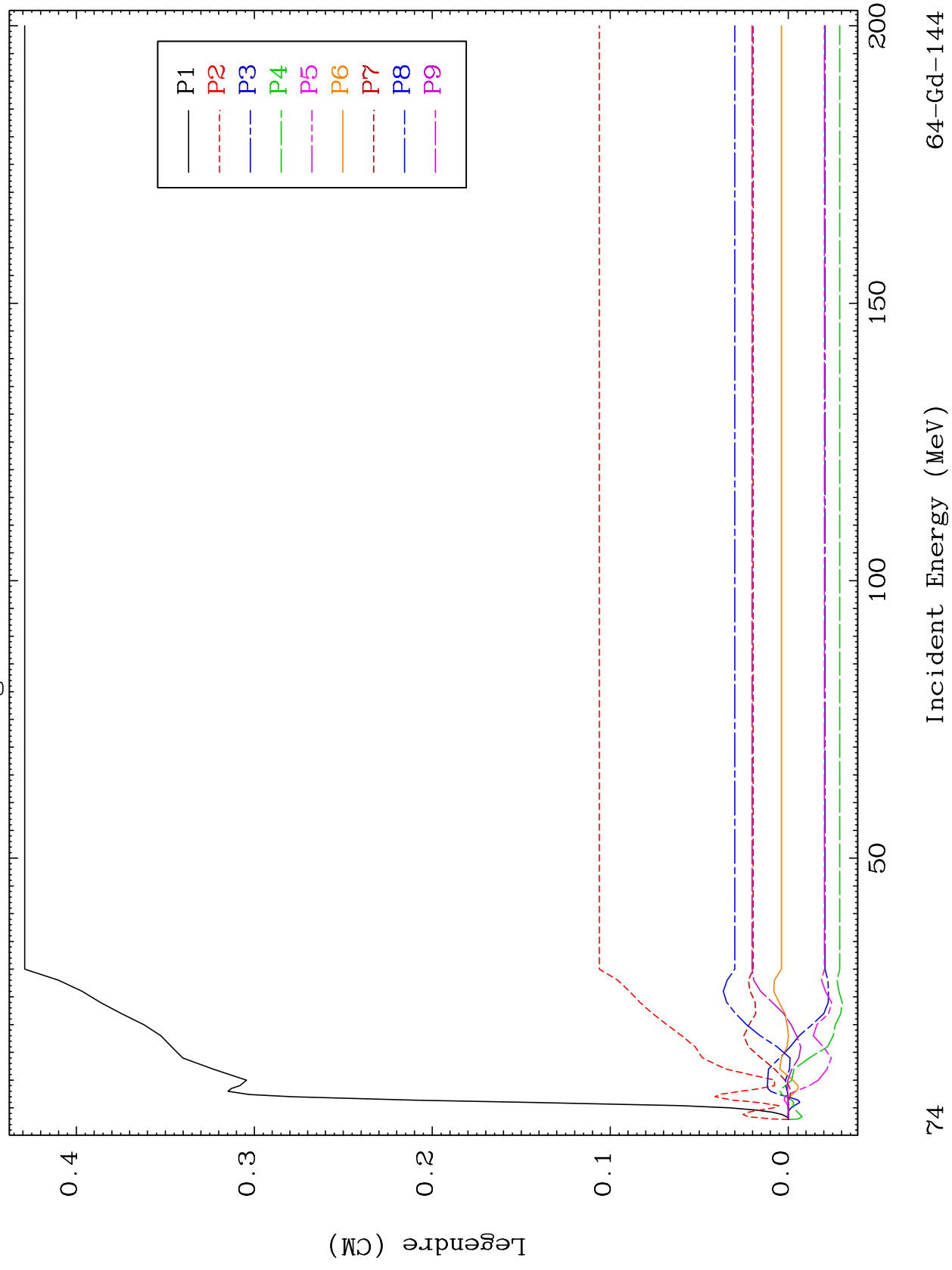


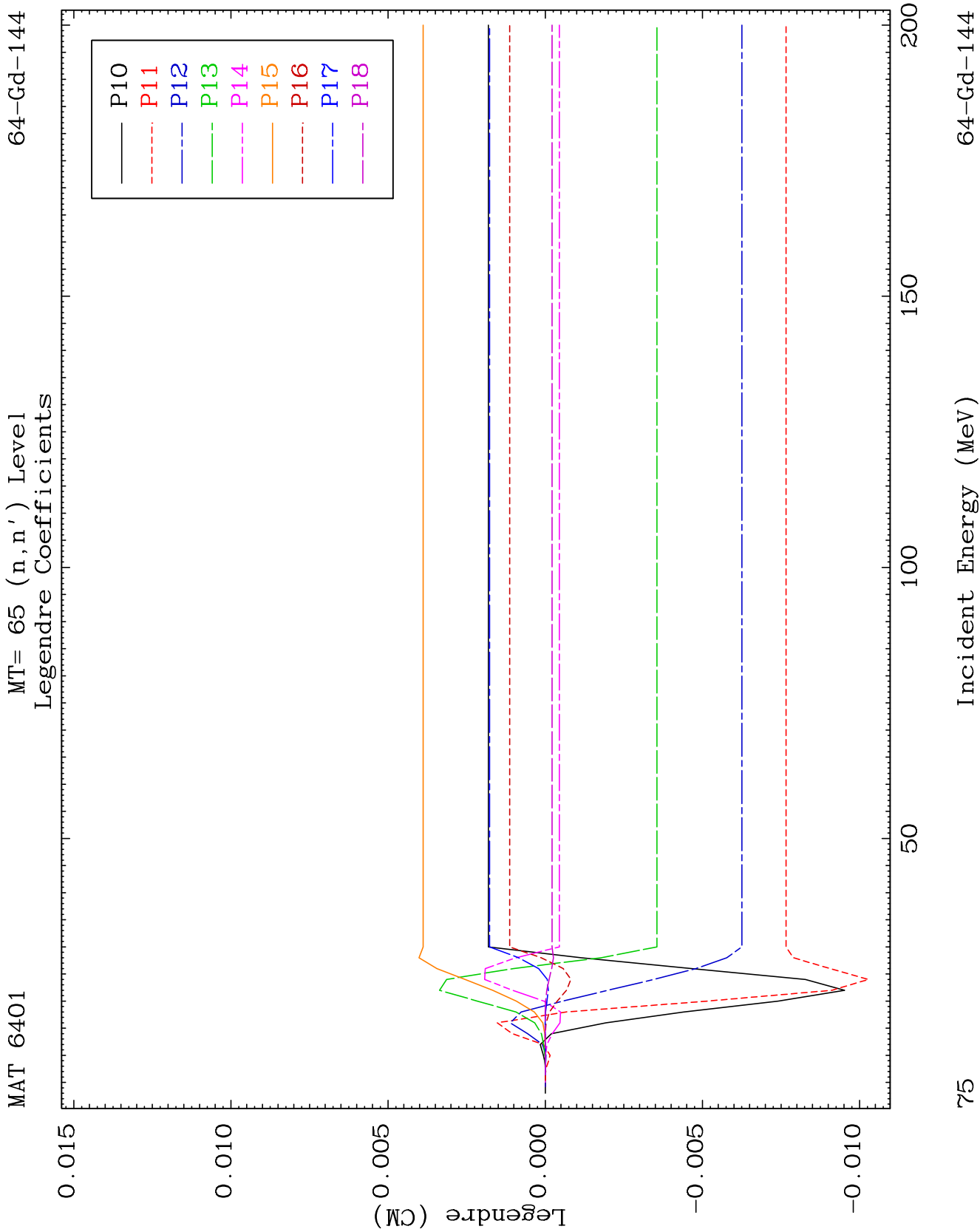


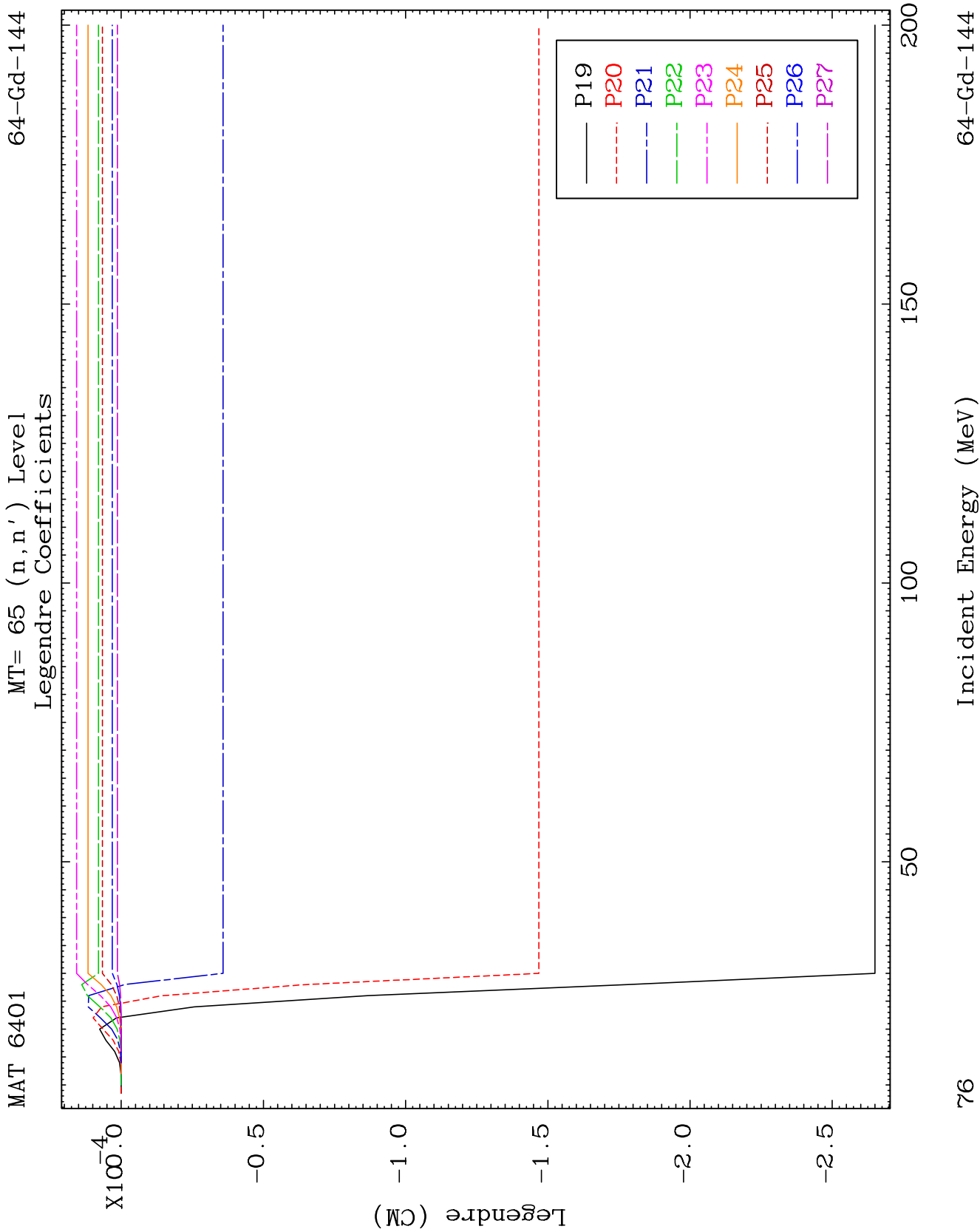
MAT 6401

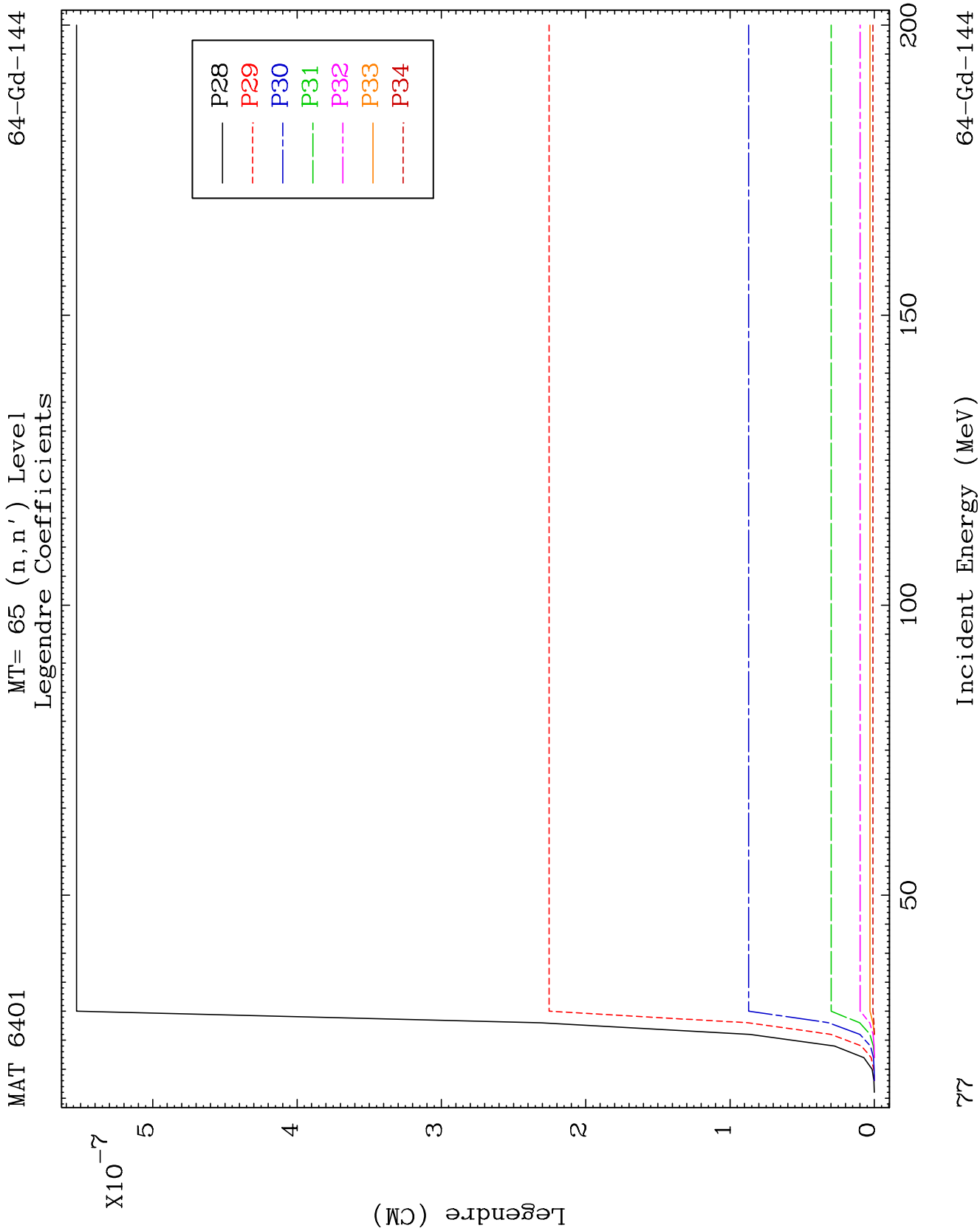
MT= 65 (n, n') Level
Legendre Coefficients

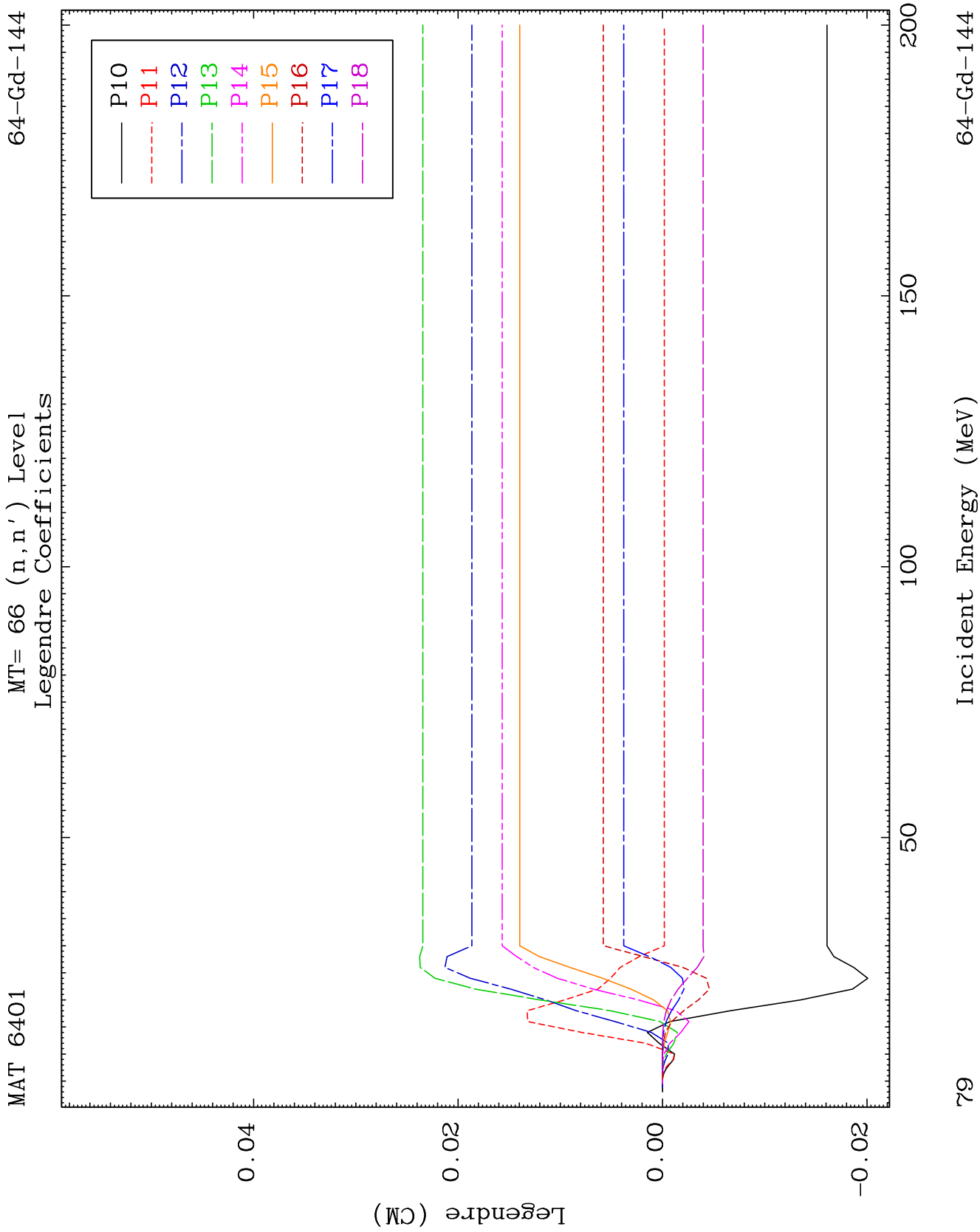
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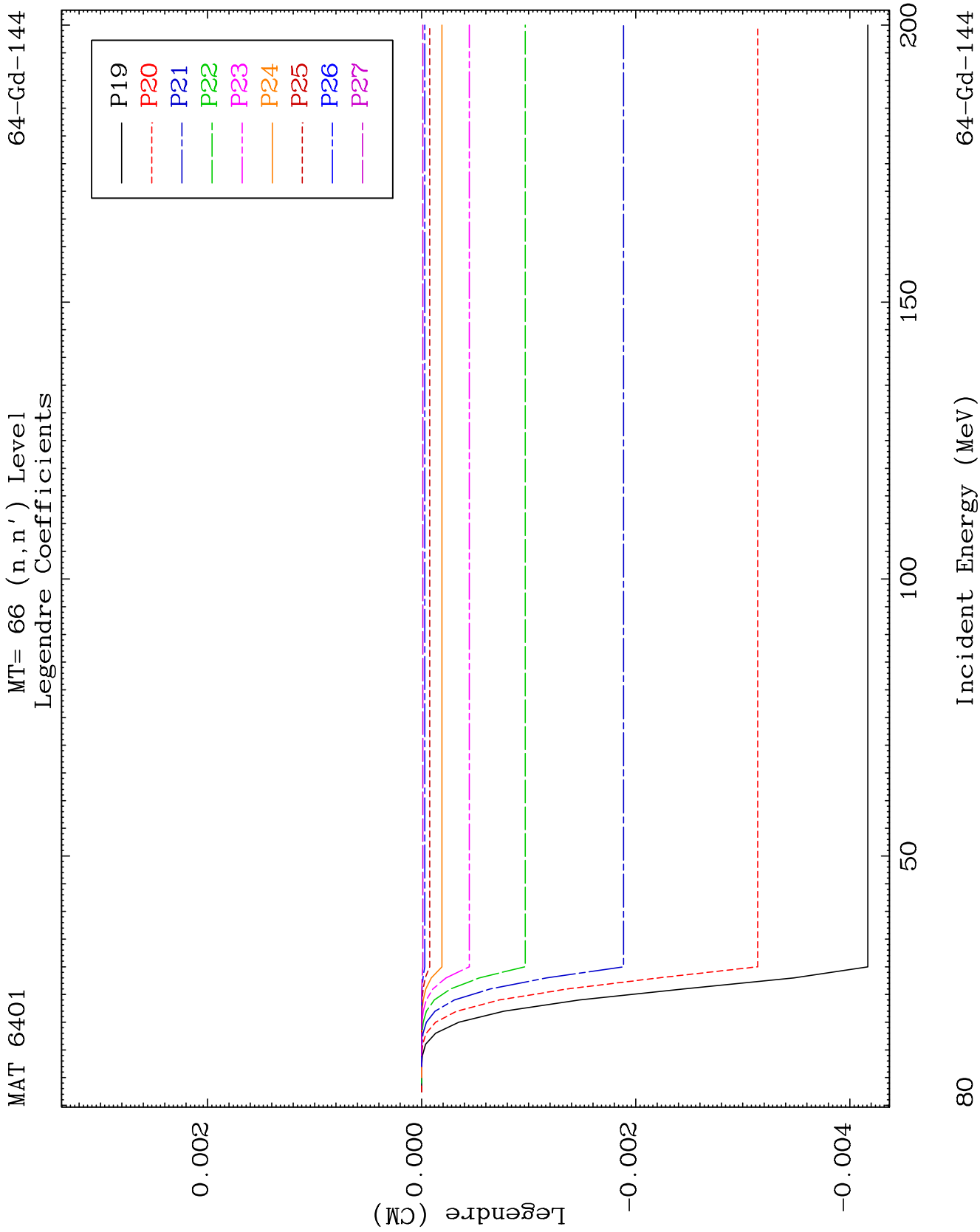


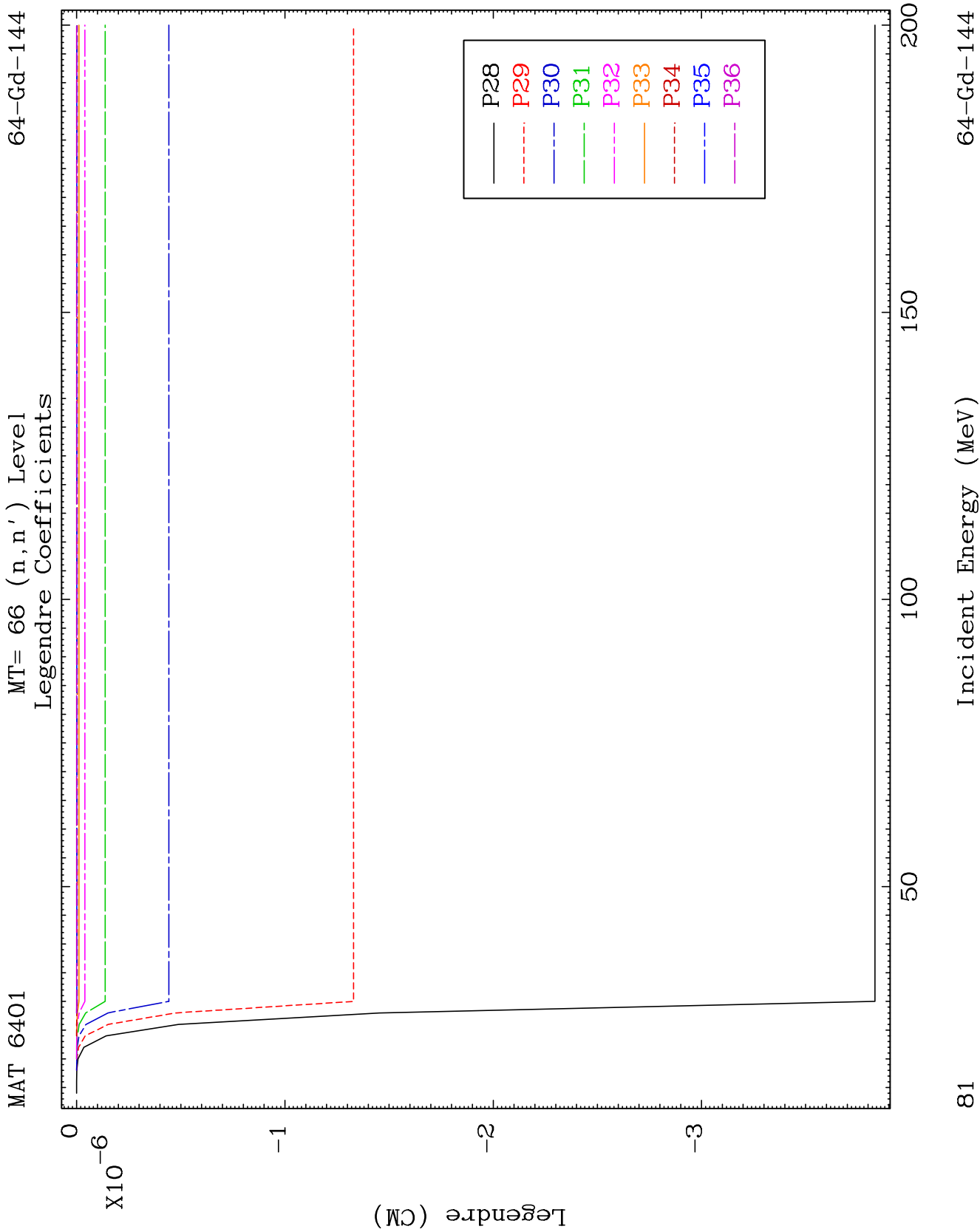


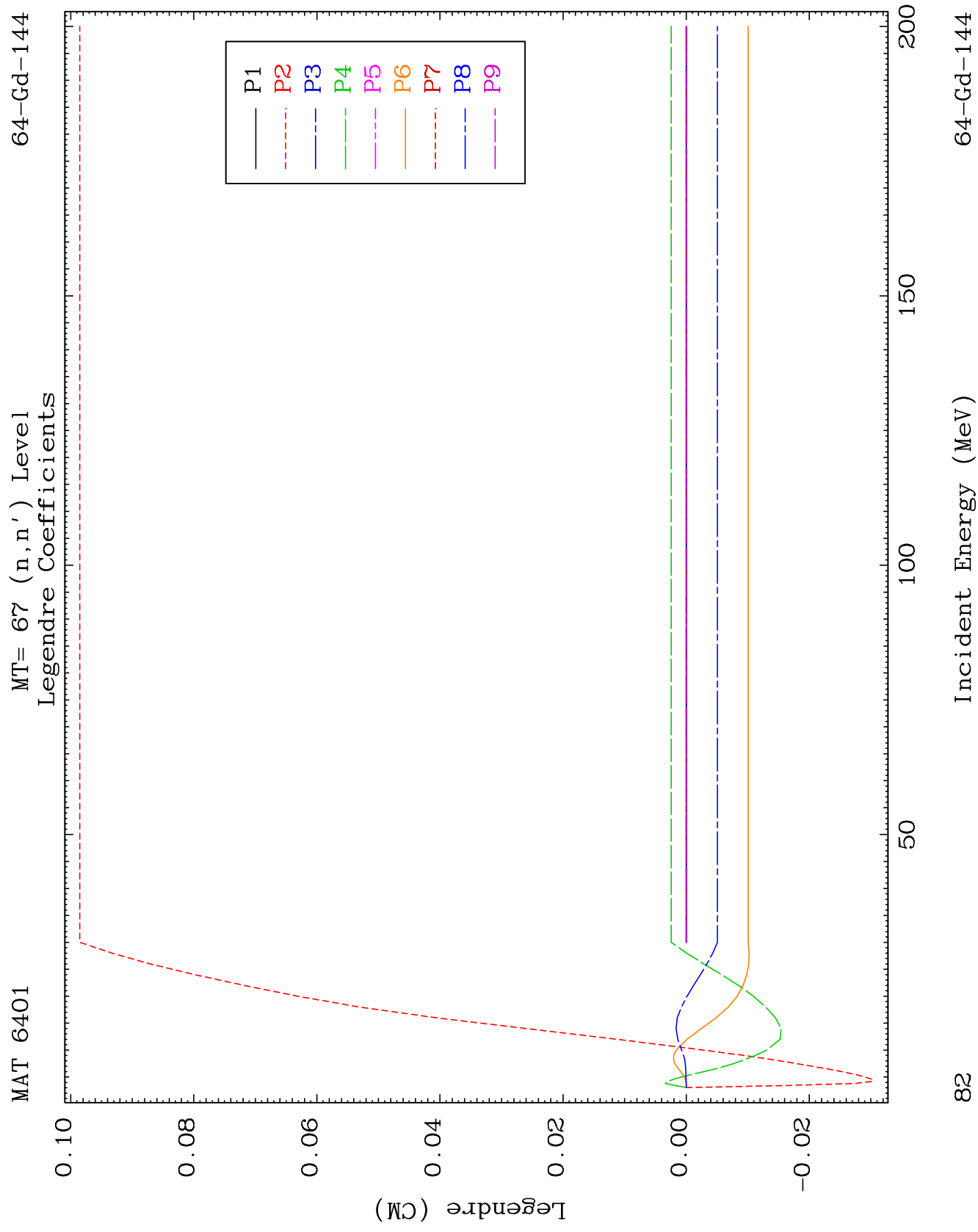


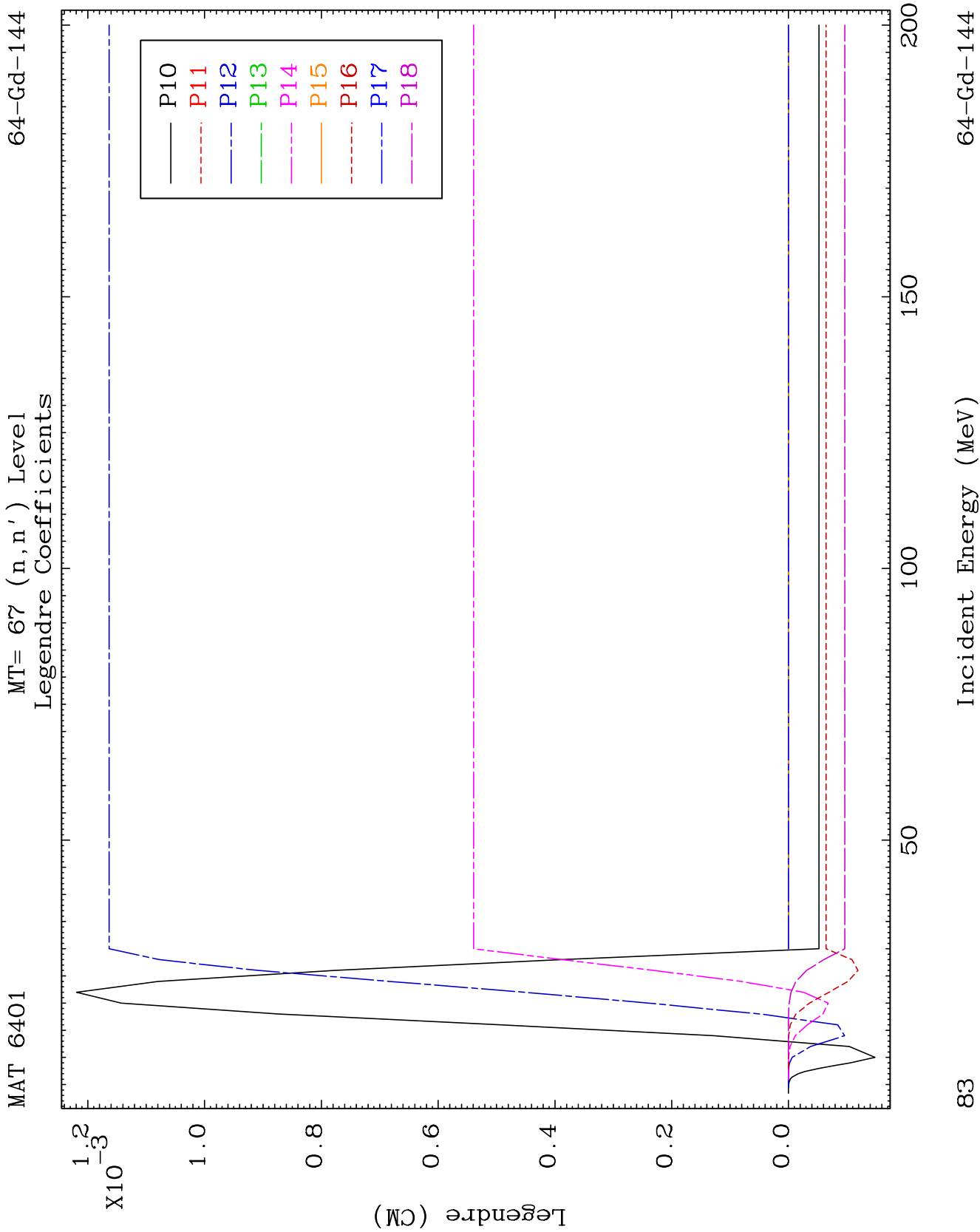


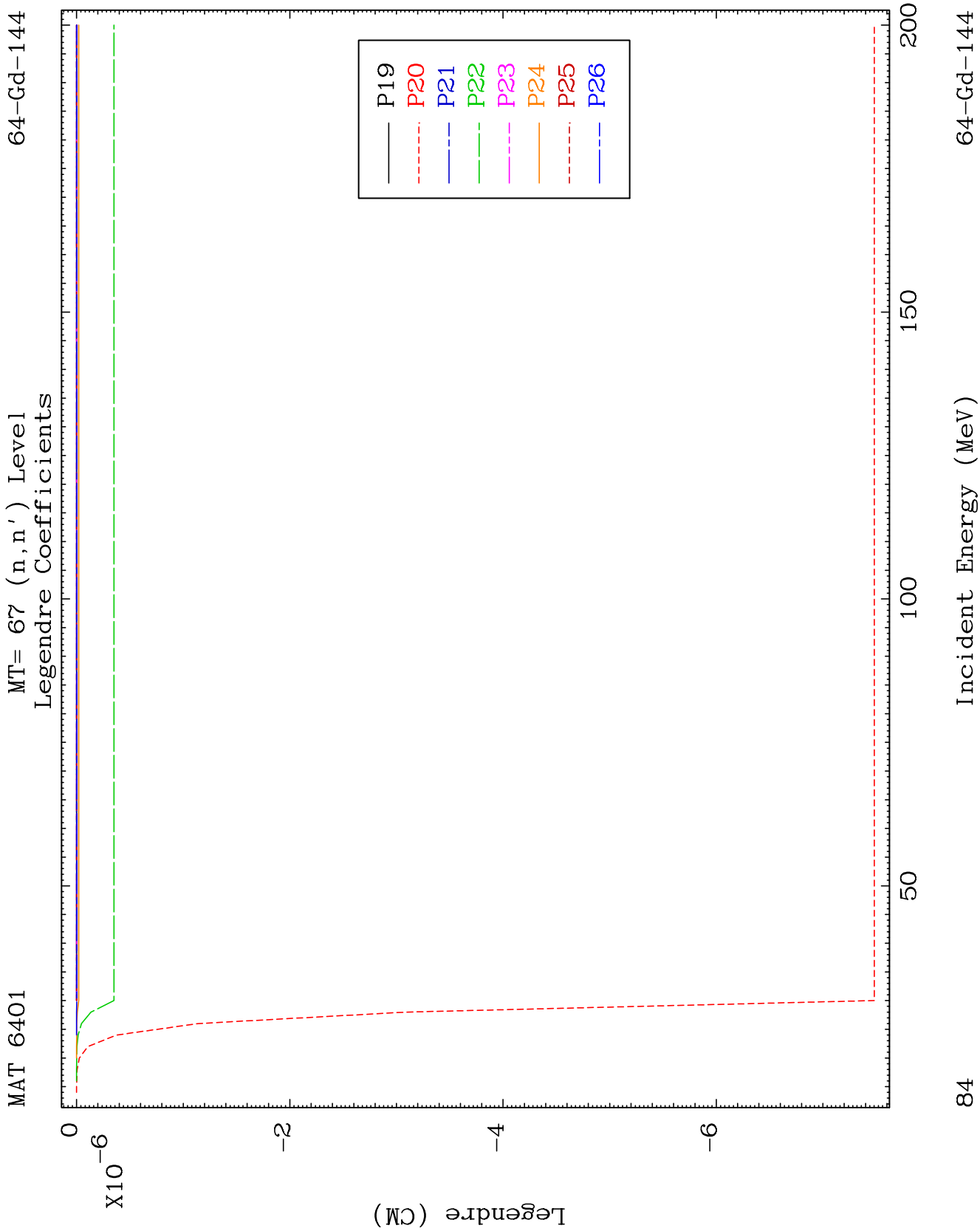


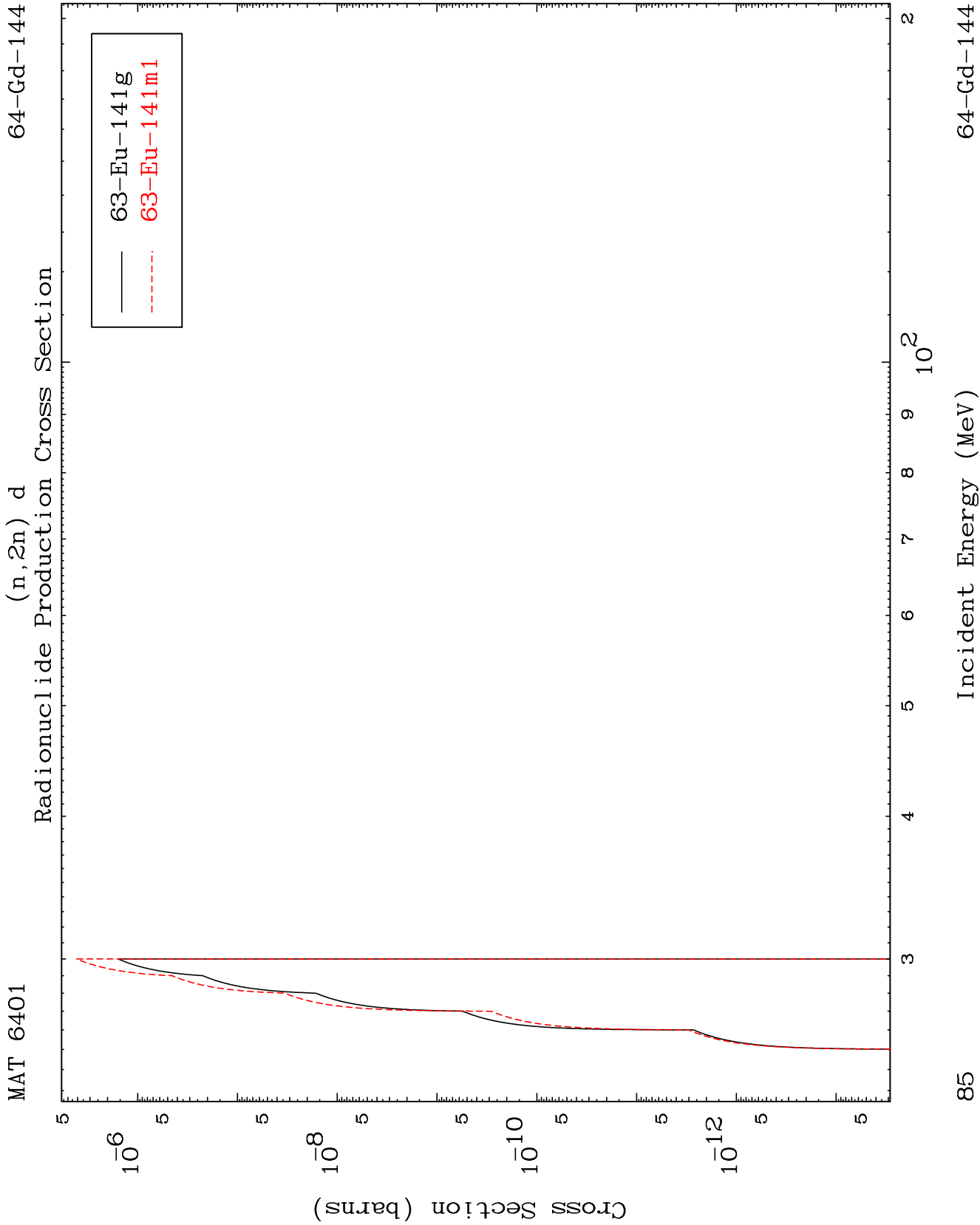


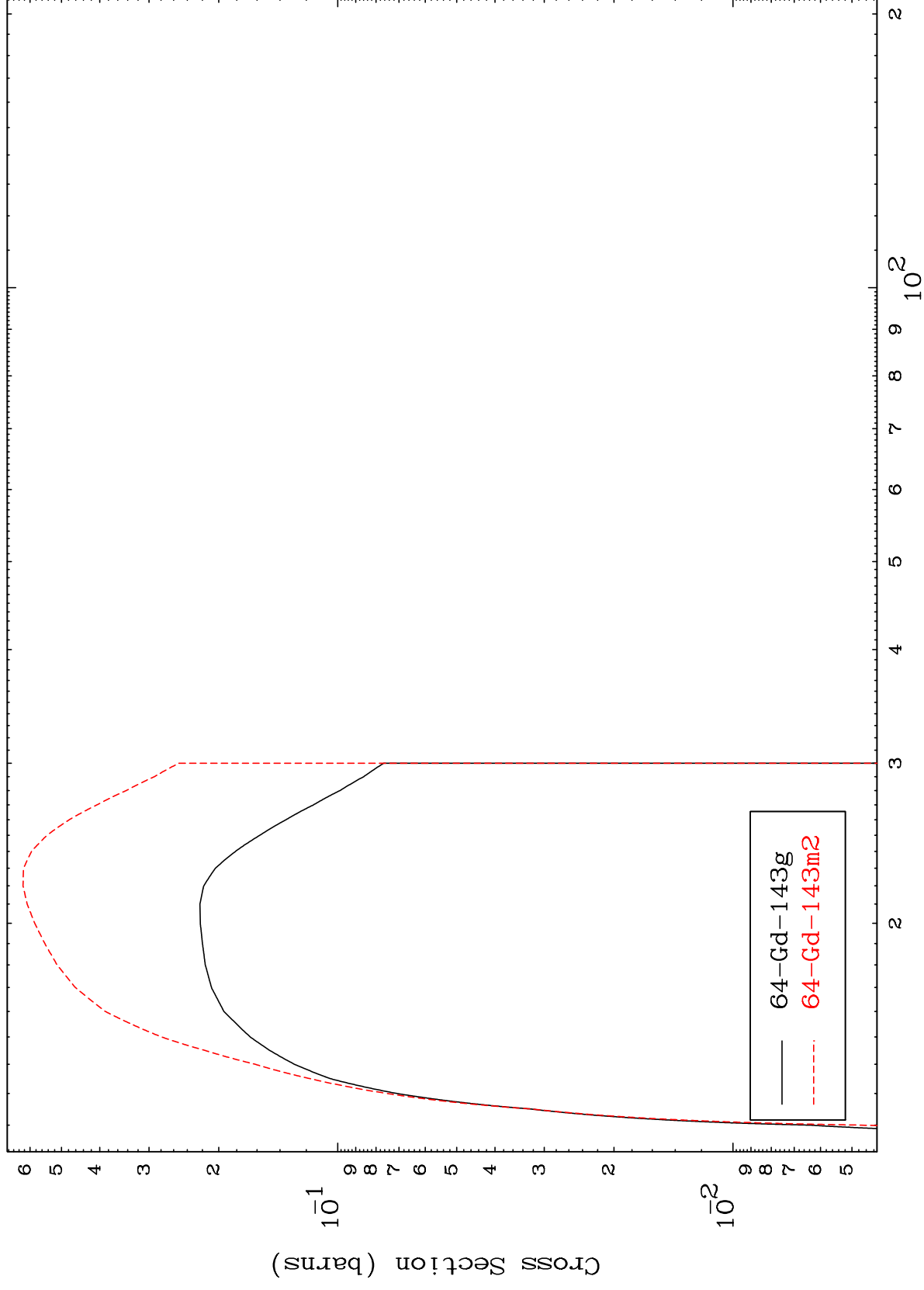










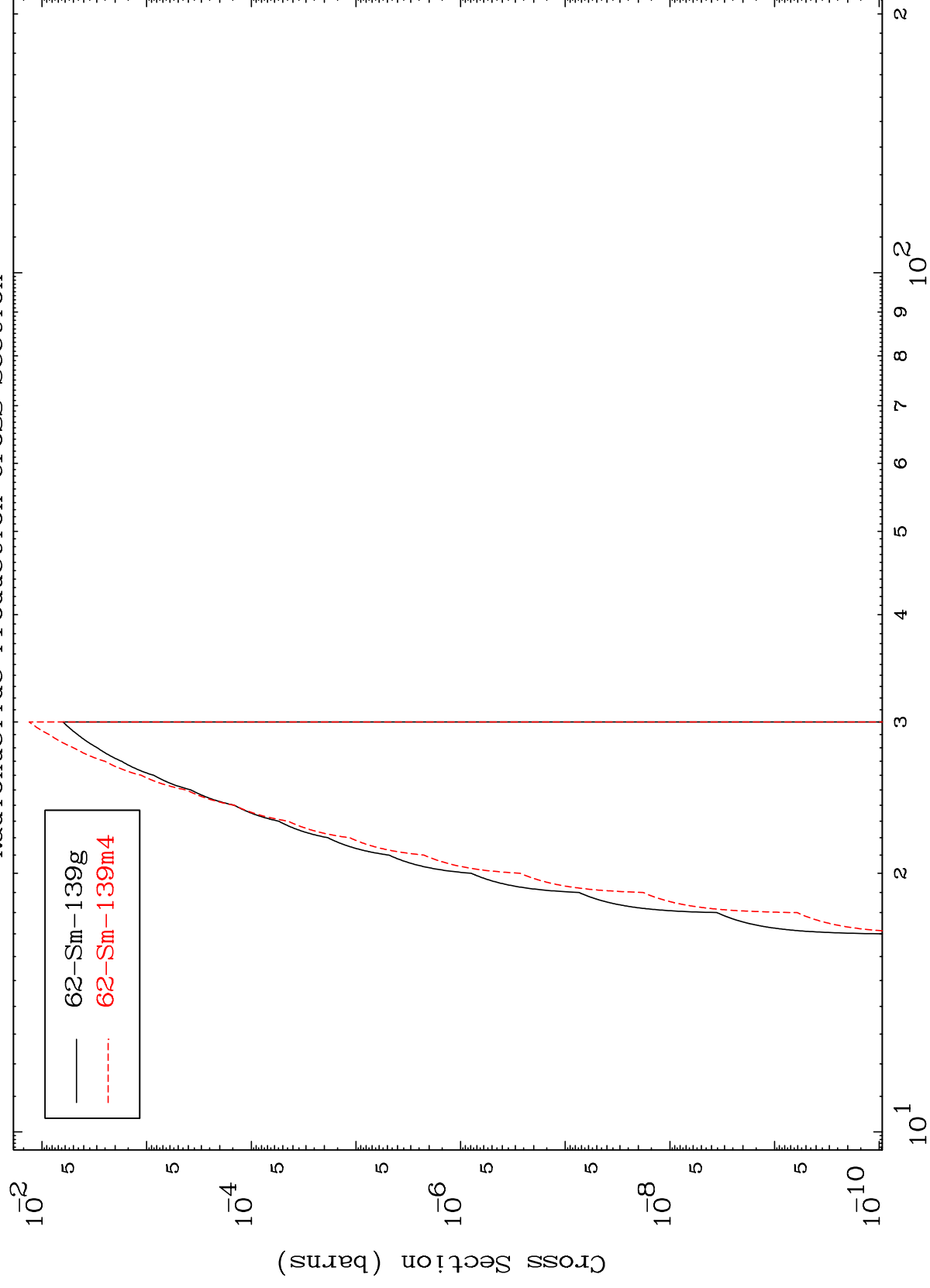
(n,2n)
Radionuclide Production Cross Section

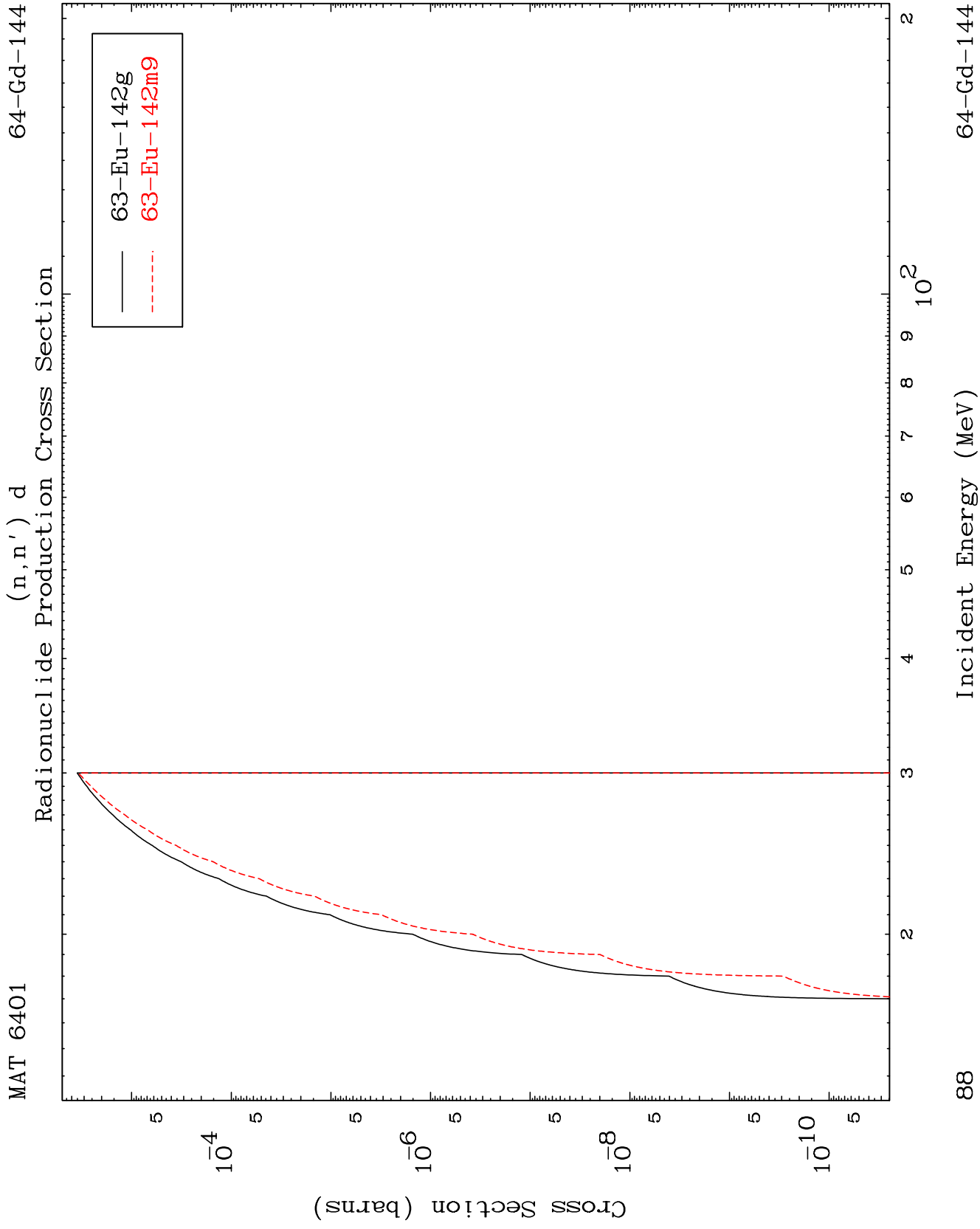
MAT 6401

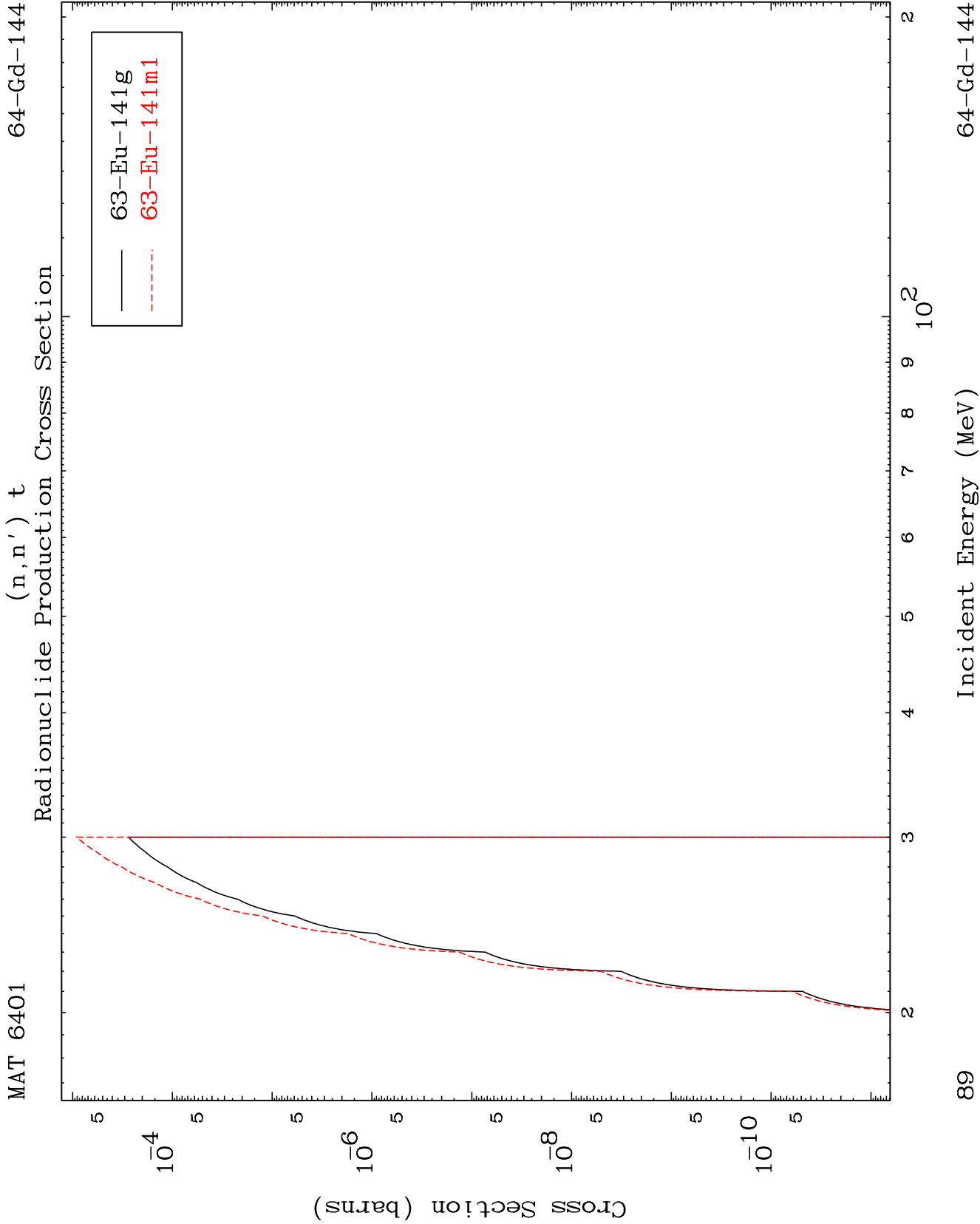
$$(n, 2n) \propto$$

64-Gd-144

Radionuclide Production Cross Section





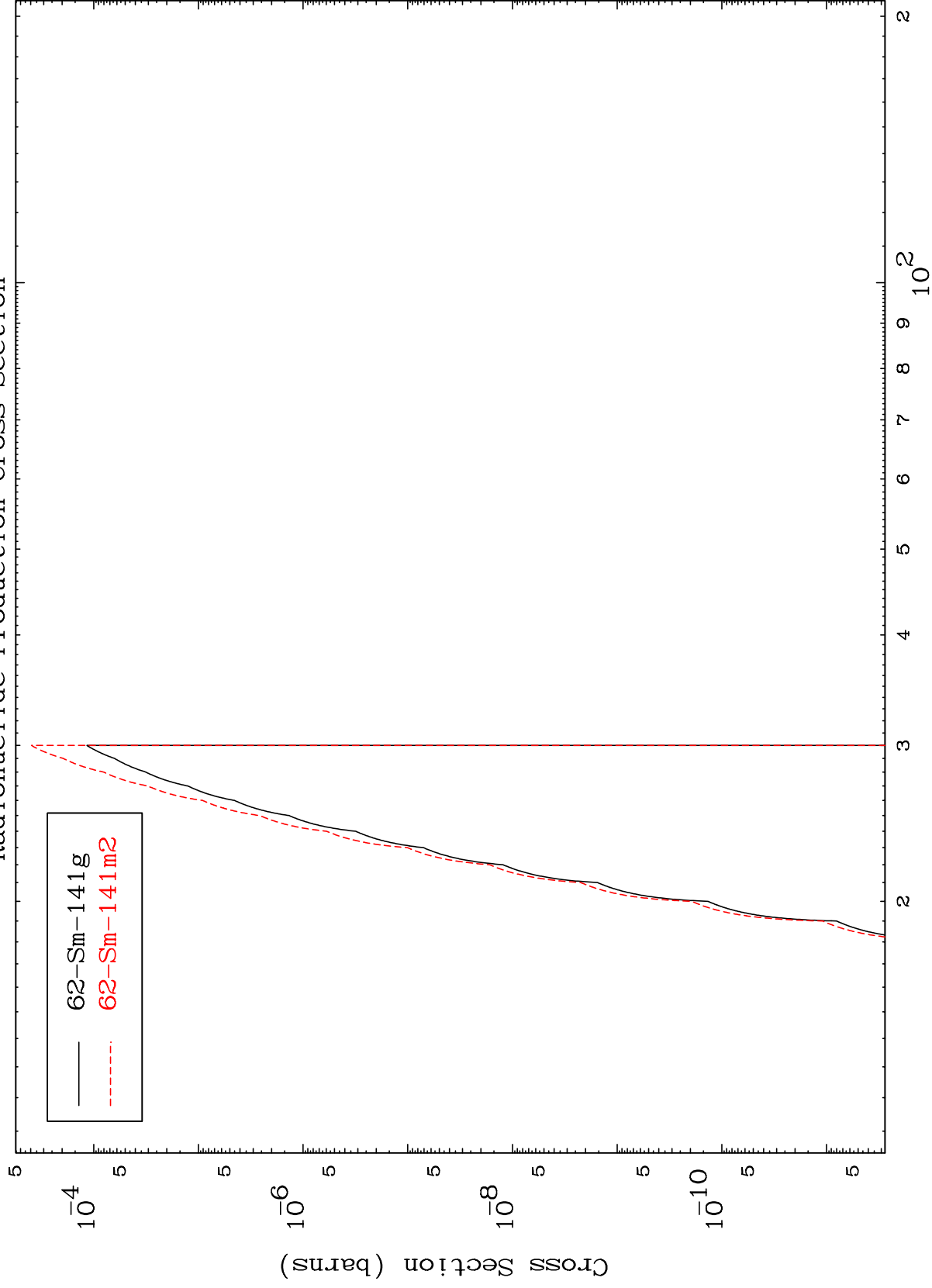


MAT 6401

(n,n') He-3

64-Gd-144

Radionuclide Production Cross Section

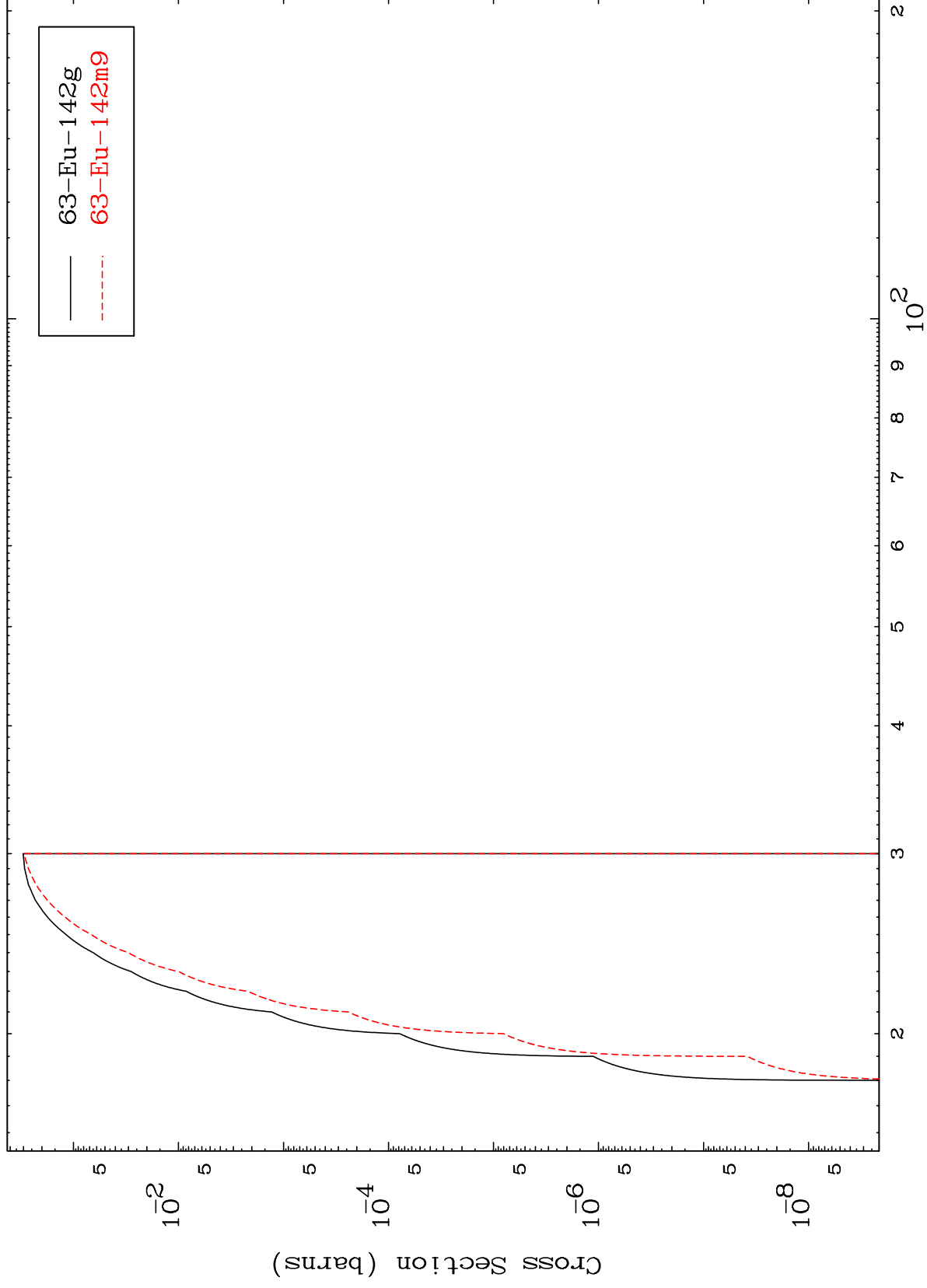


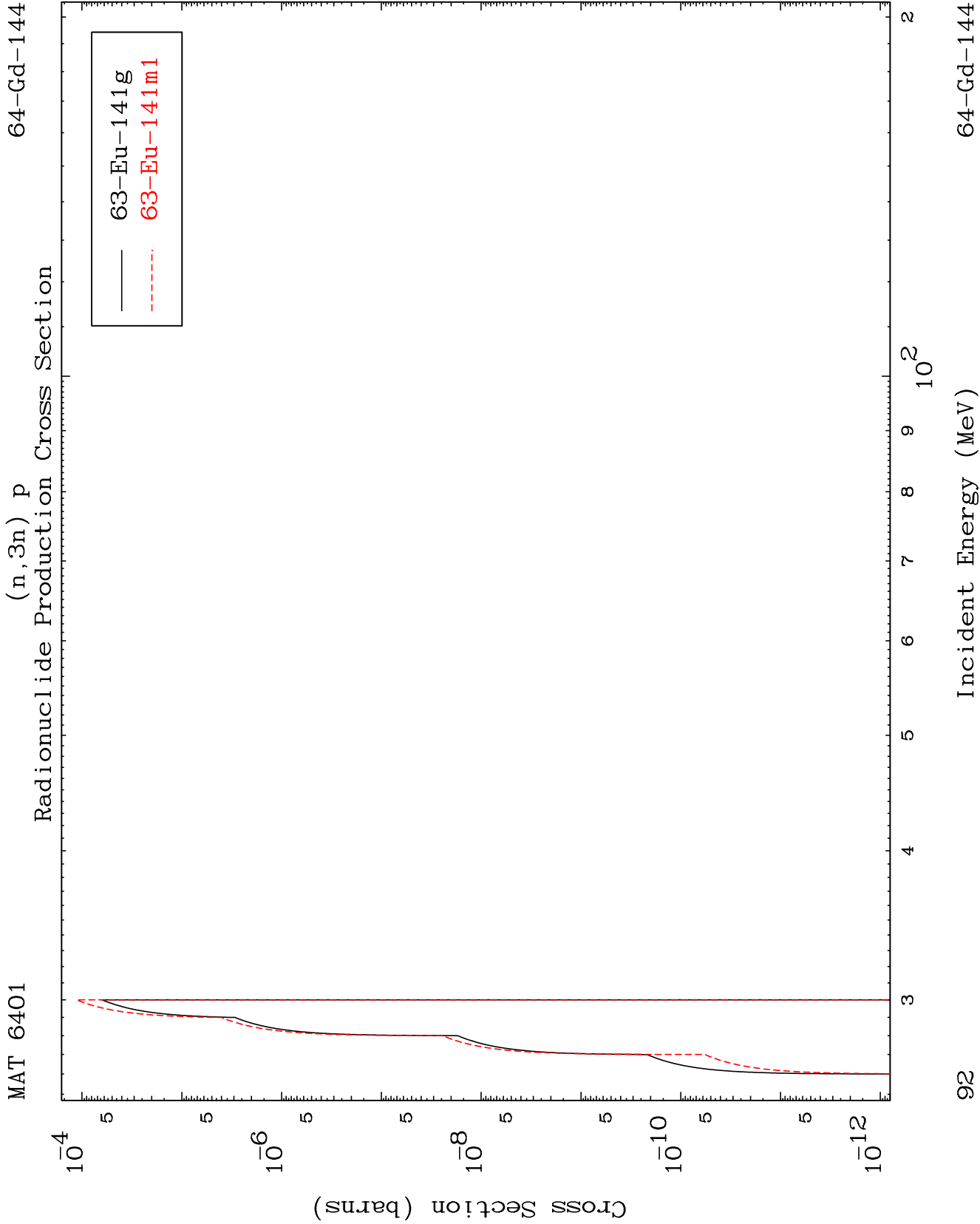
90

Incident Energy (MeV)

64-Gd-144

(n,2n) p
Radionuclide Production Cross Section

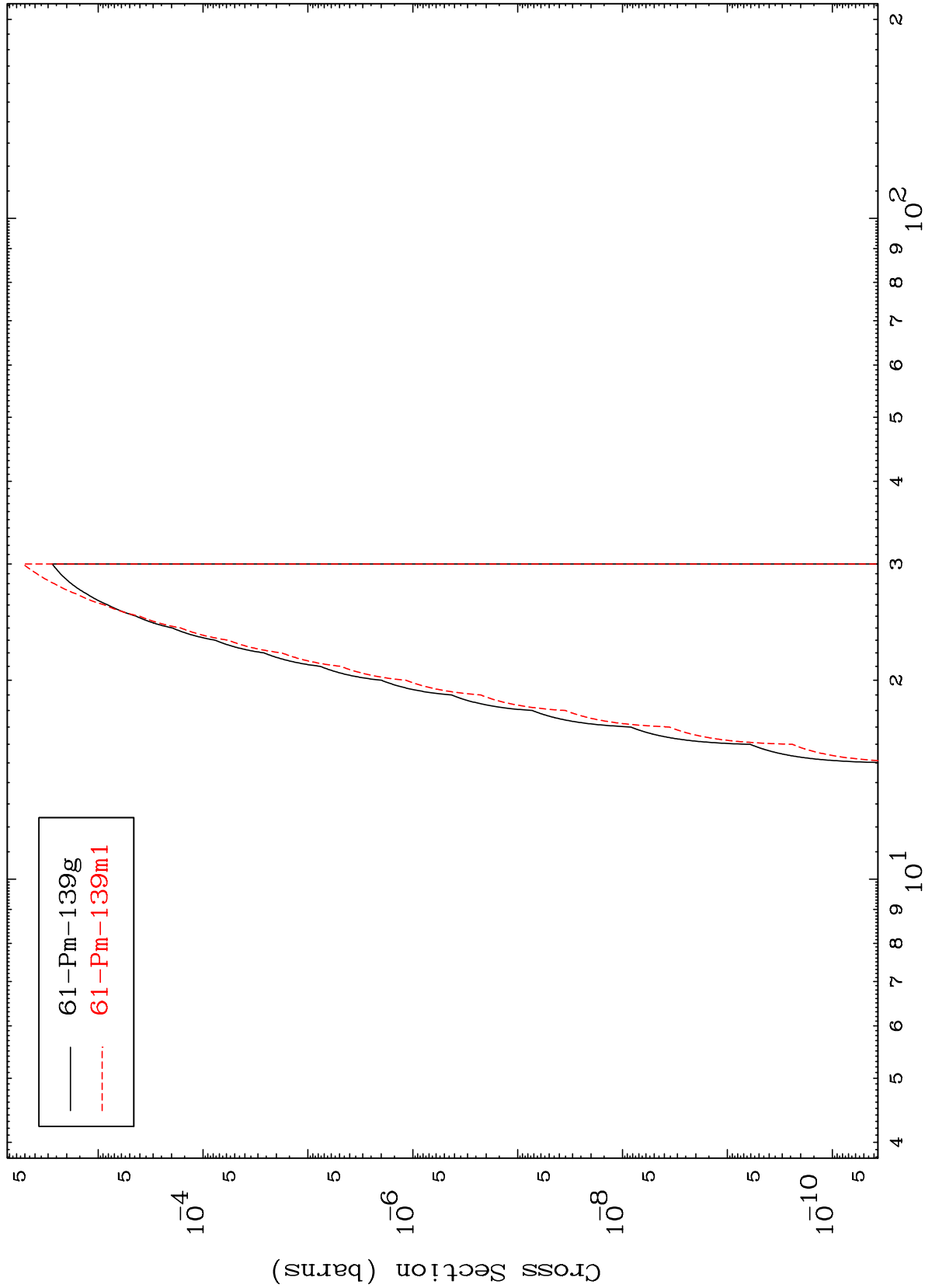




MAT 6401

64-Gd-144

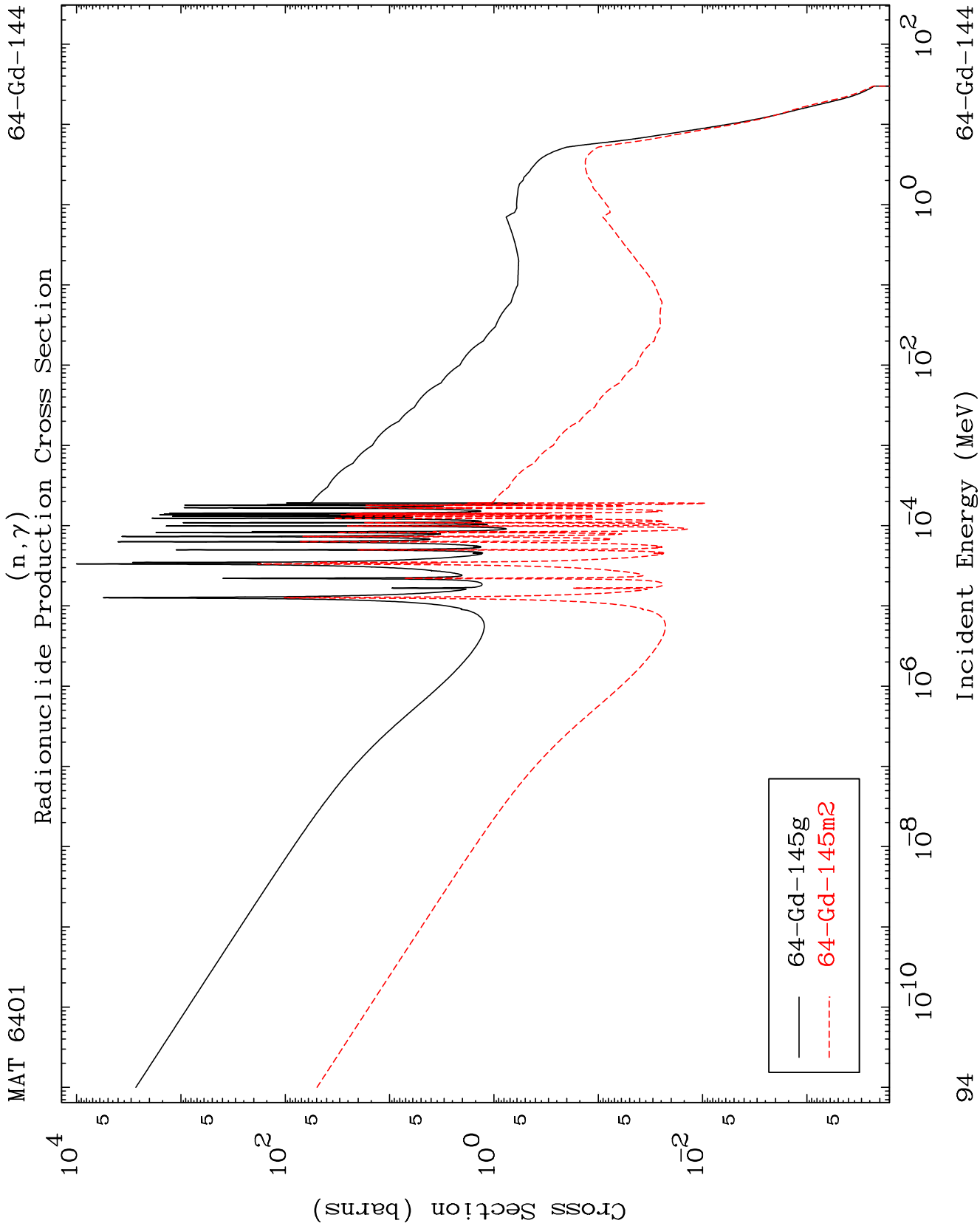
(n,n') p α
Radionuclide Production Cross Section

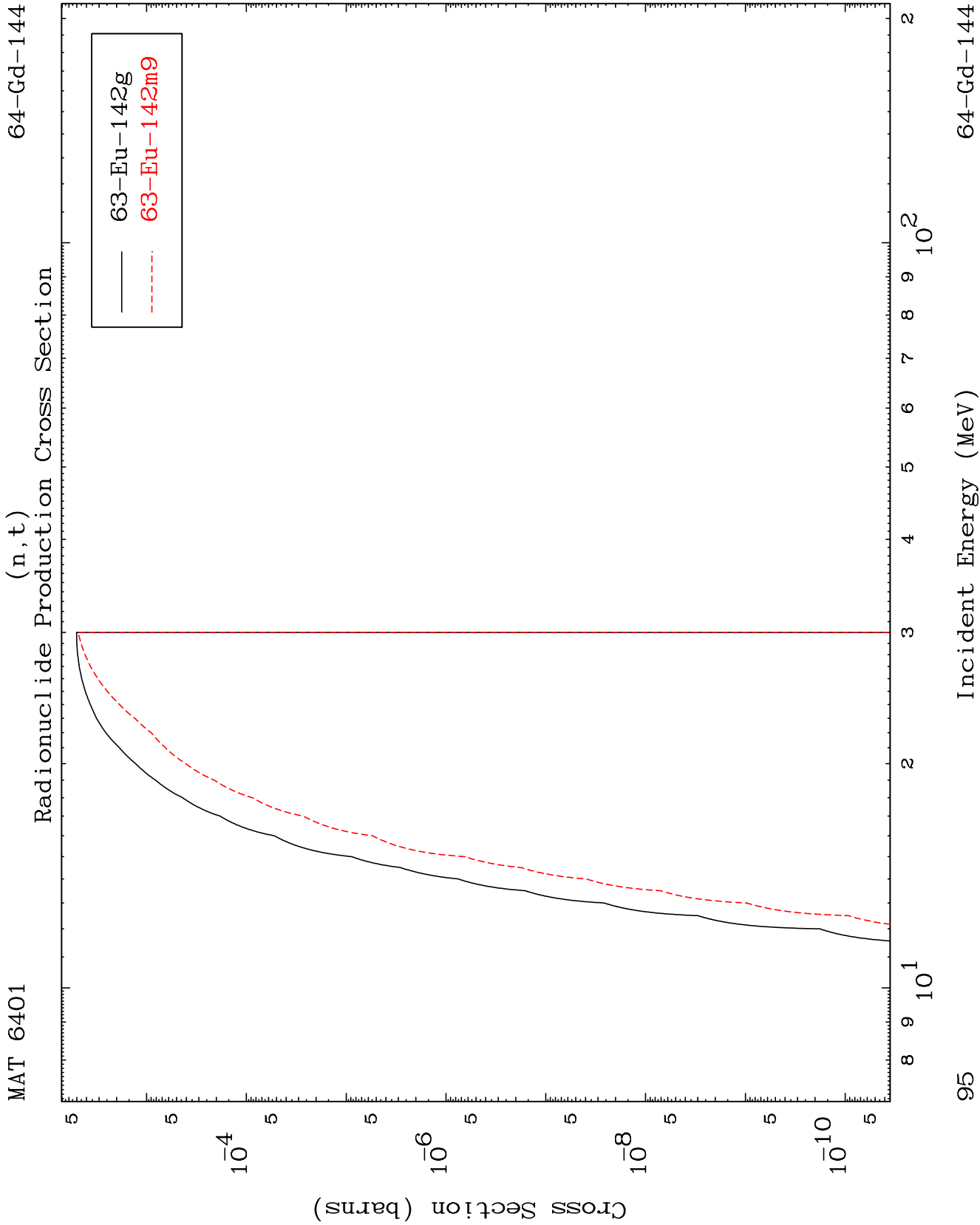


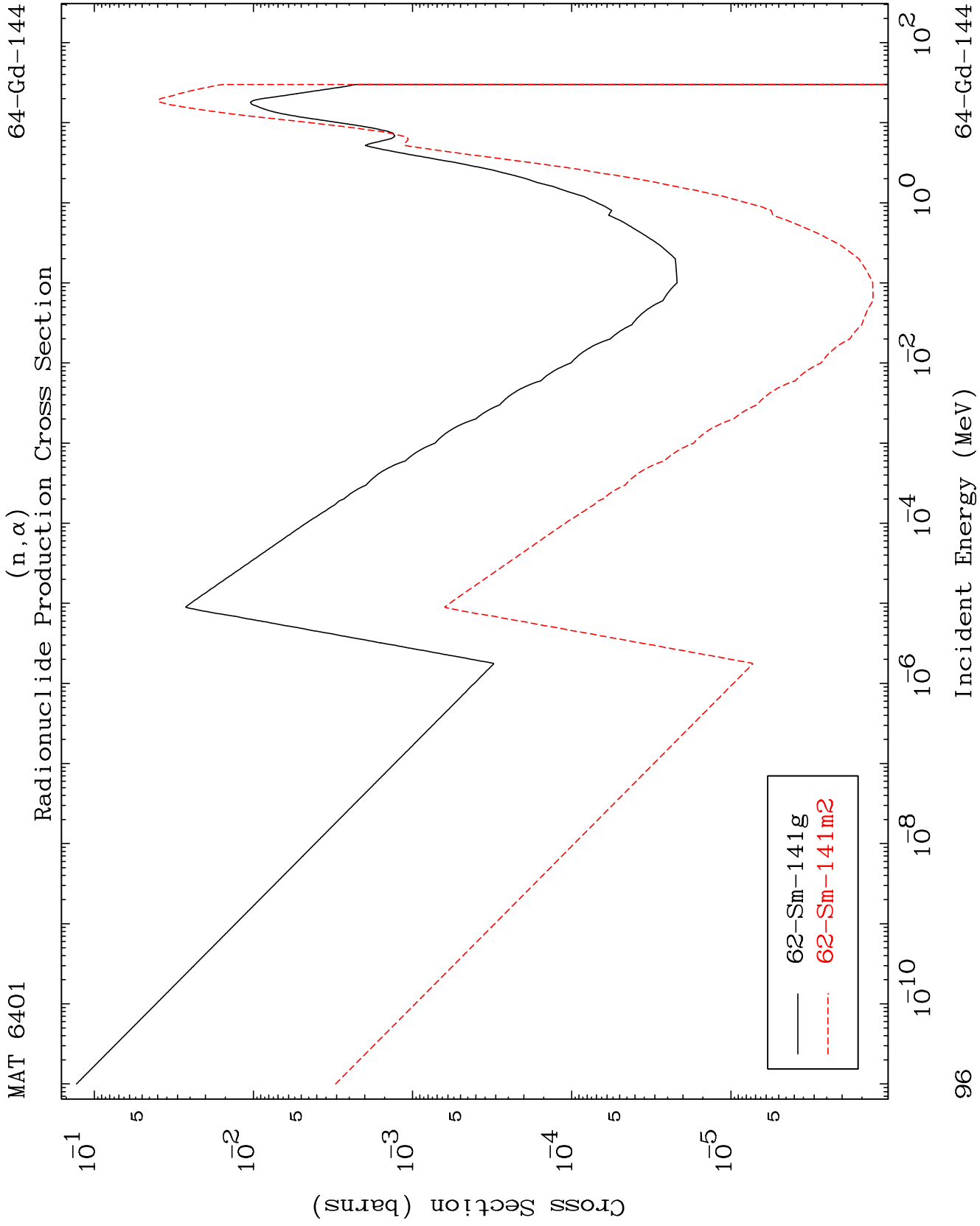
93

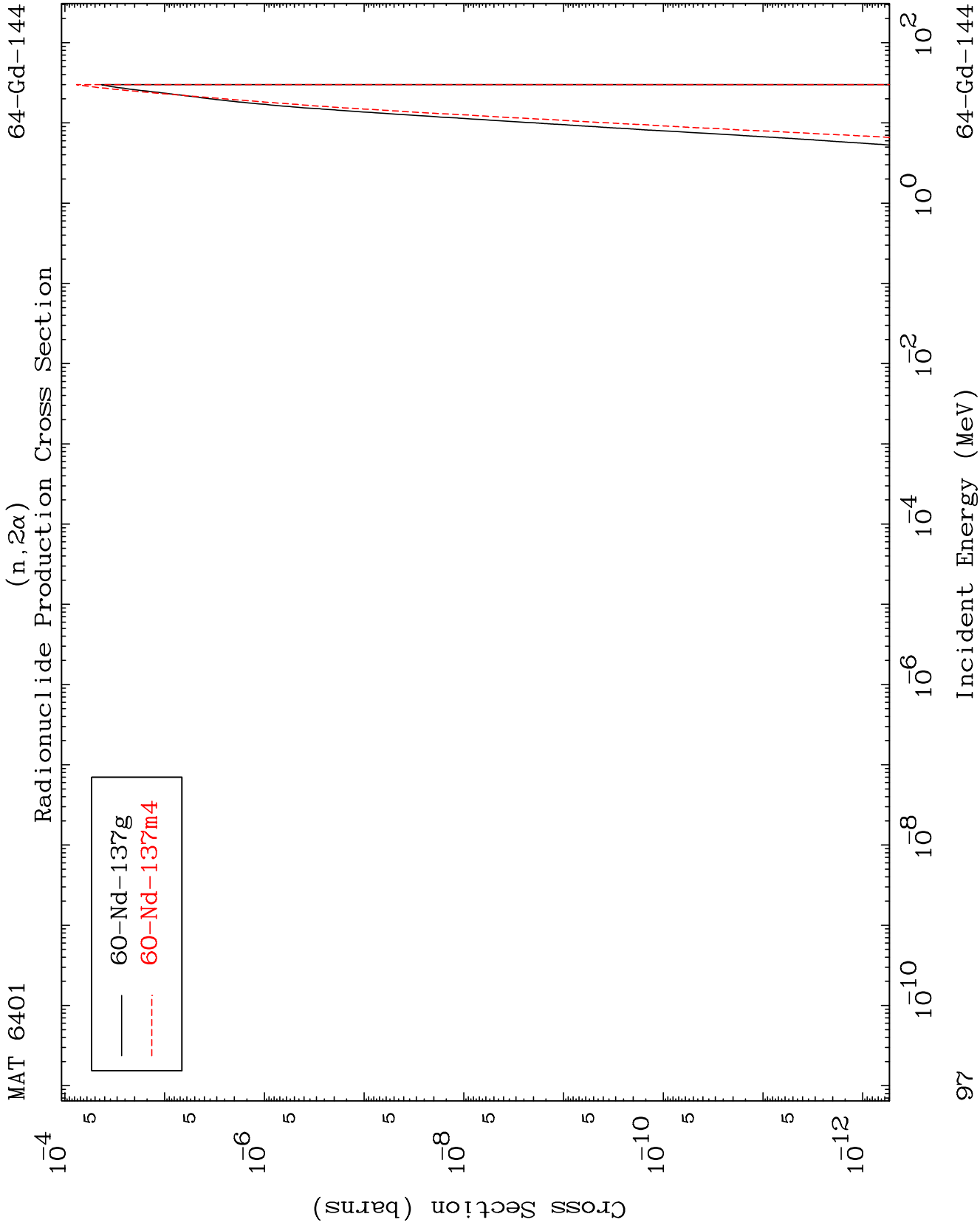
Incident Energy (MeV)

64-Gd-144







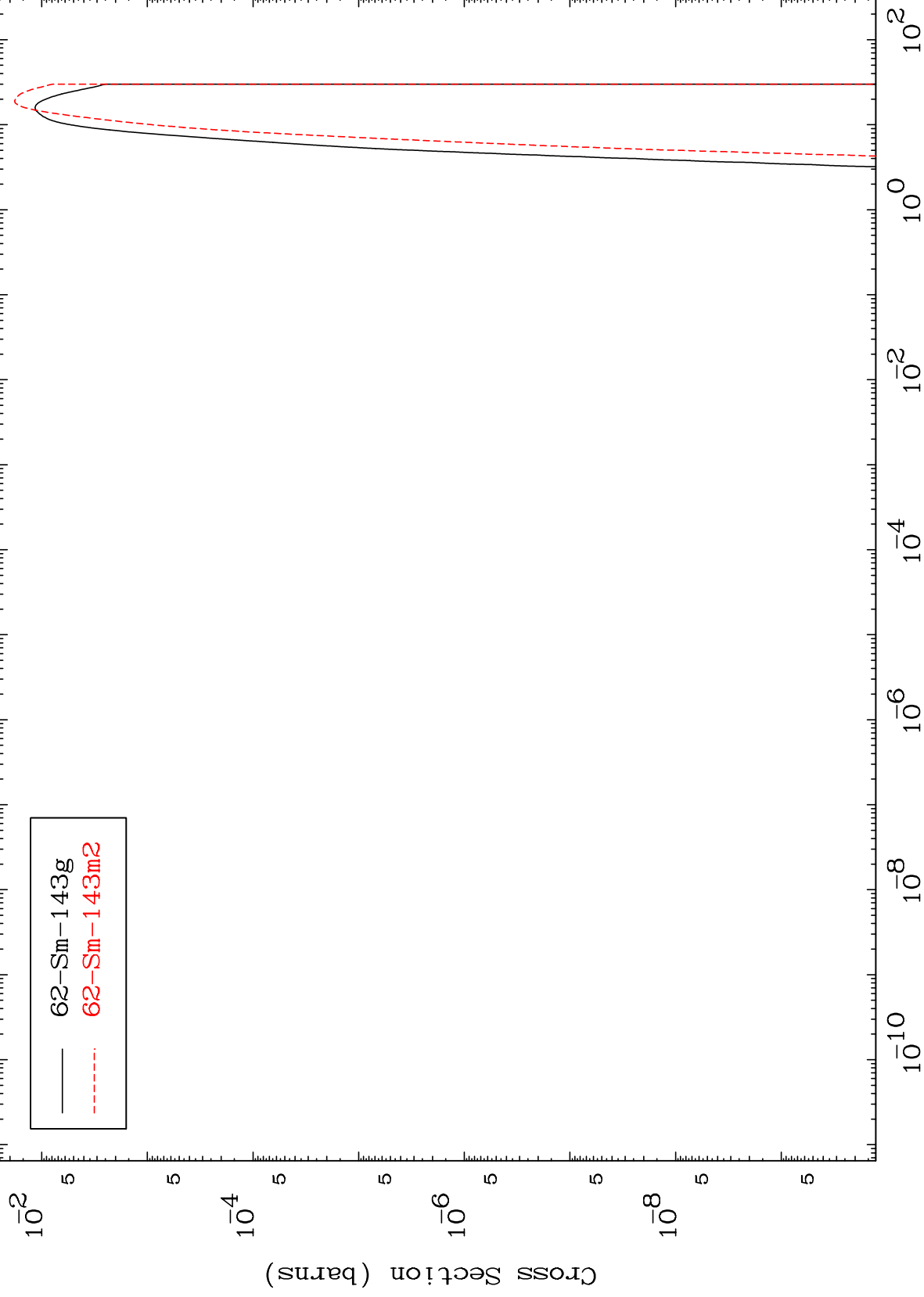


MAT 6401

(n,2p)

64-Gd-144

Radionuclide Production Cross Section



62-Sm-143g
62-Sm-143m2

98

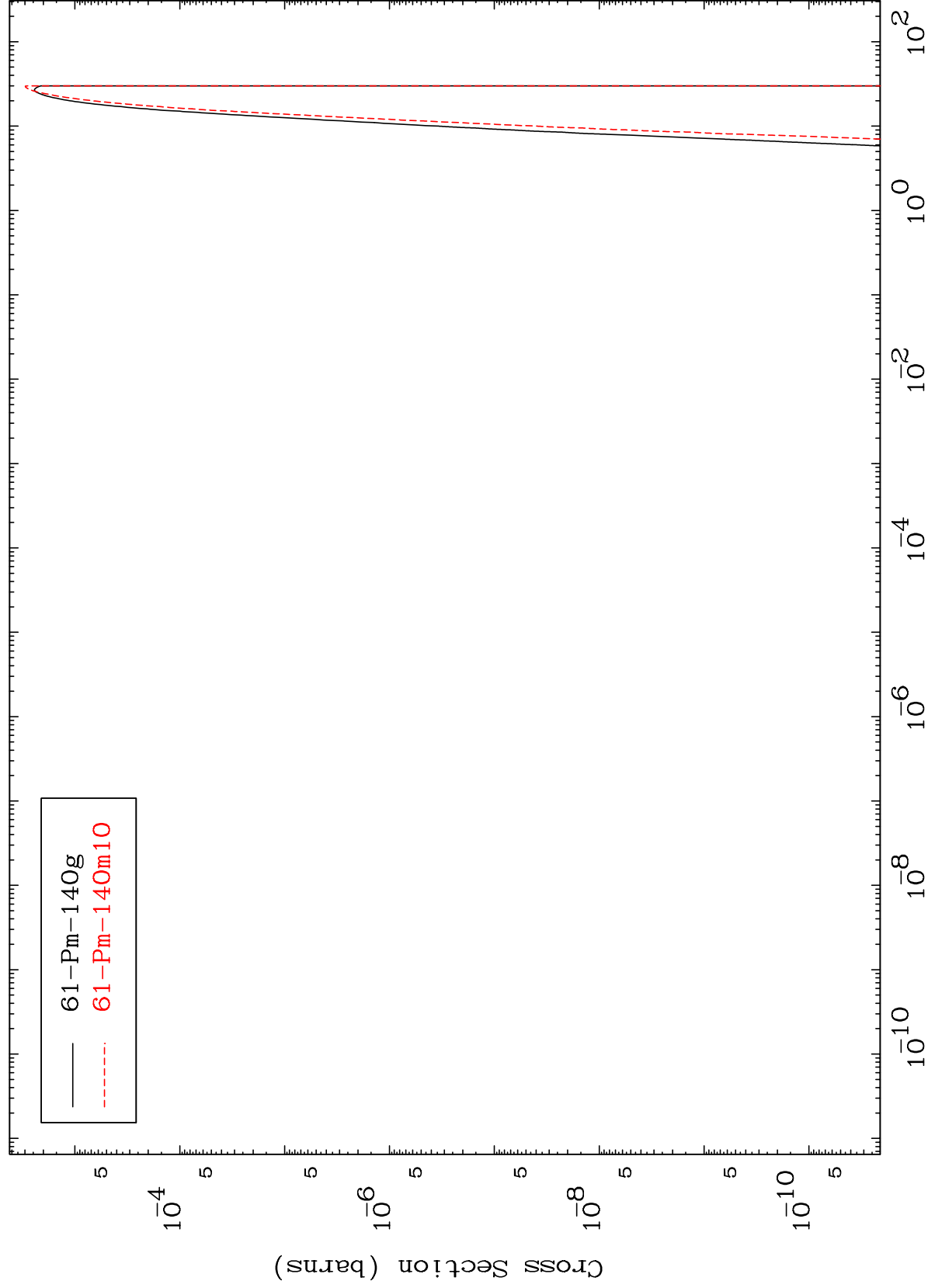
64-Gd-144

MAT 6401

(n,p) α

64-Gd-144

Radionuclide Production Cross Section



99

Incident Energy (MeV)

64-Gd-144

