

Program EVALPLOT
(Version 2021-1)

by

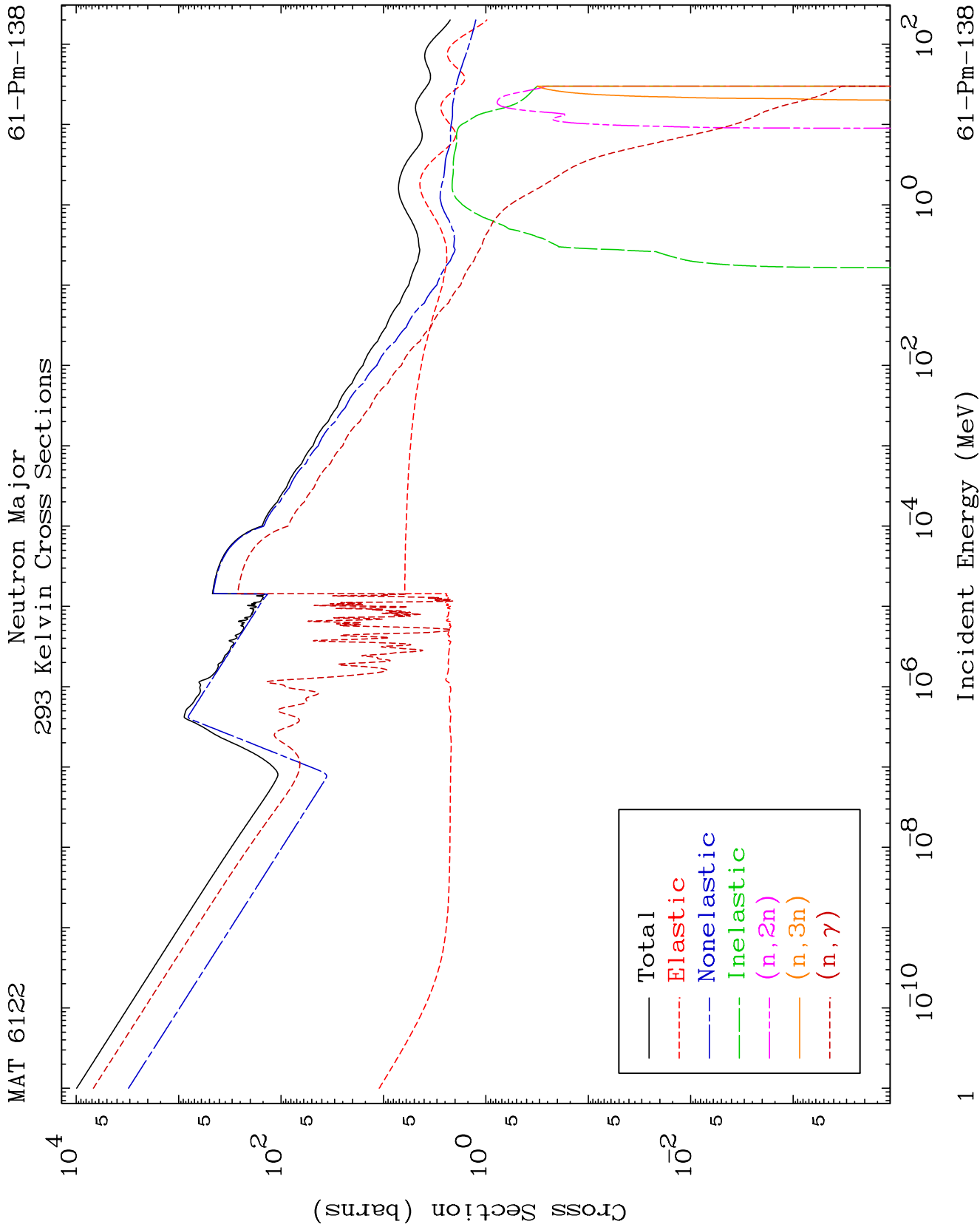
Dermott E. Cullen
(Present Contact Information)

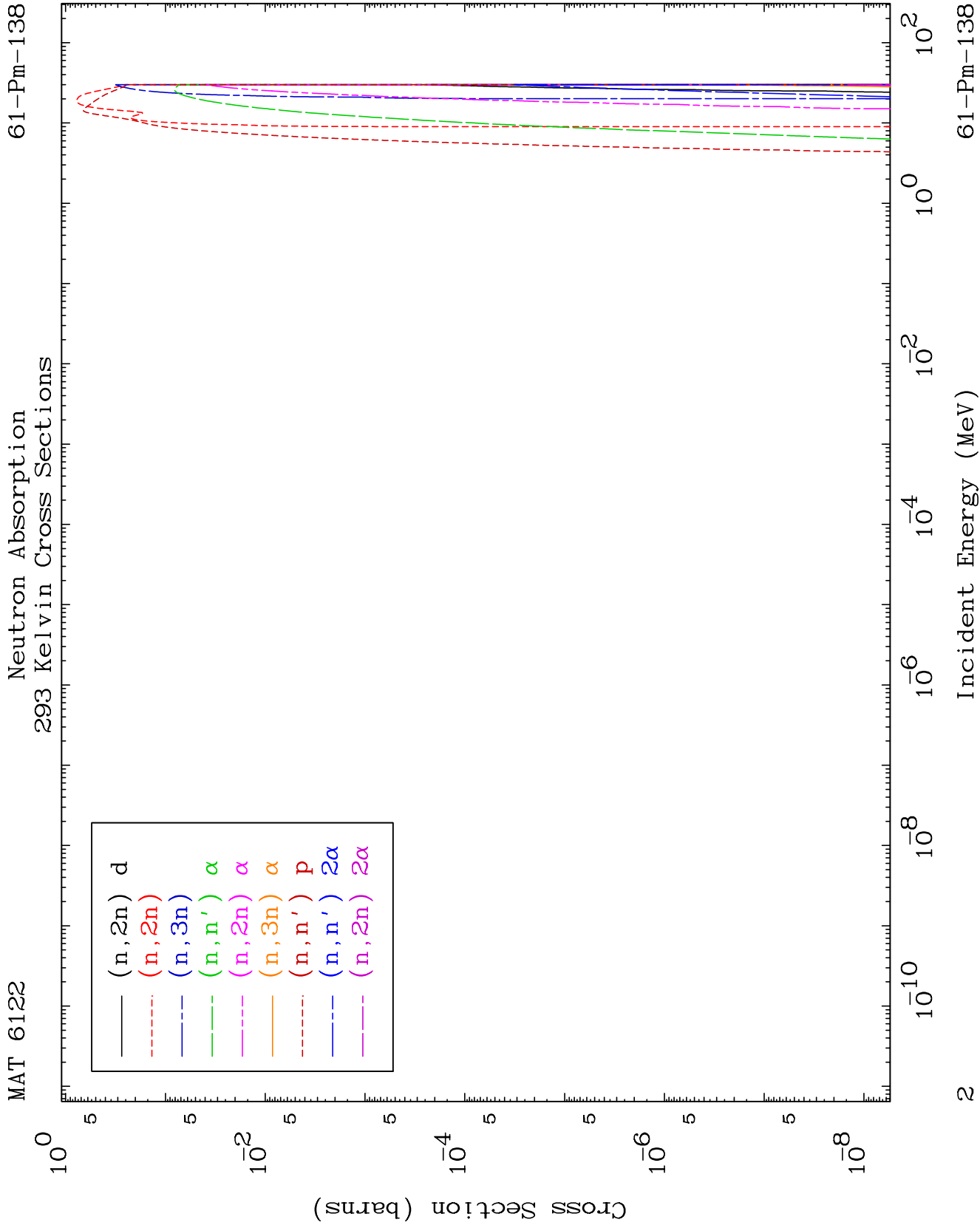
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

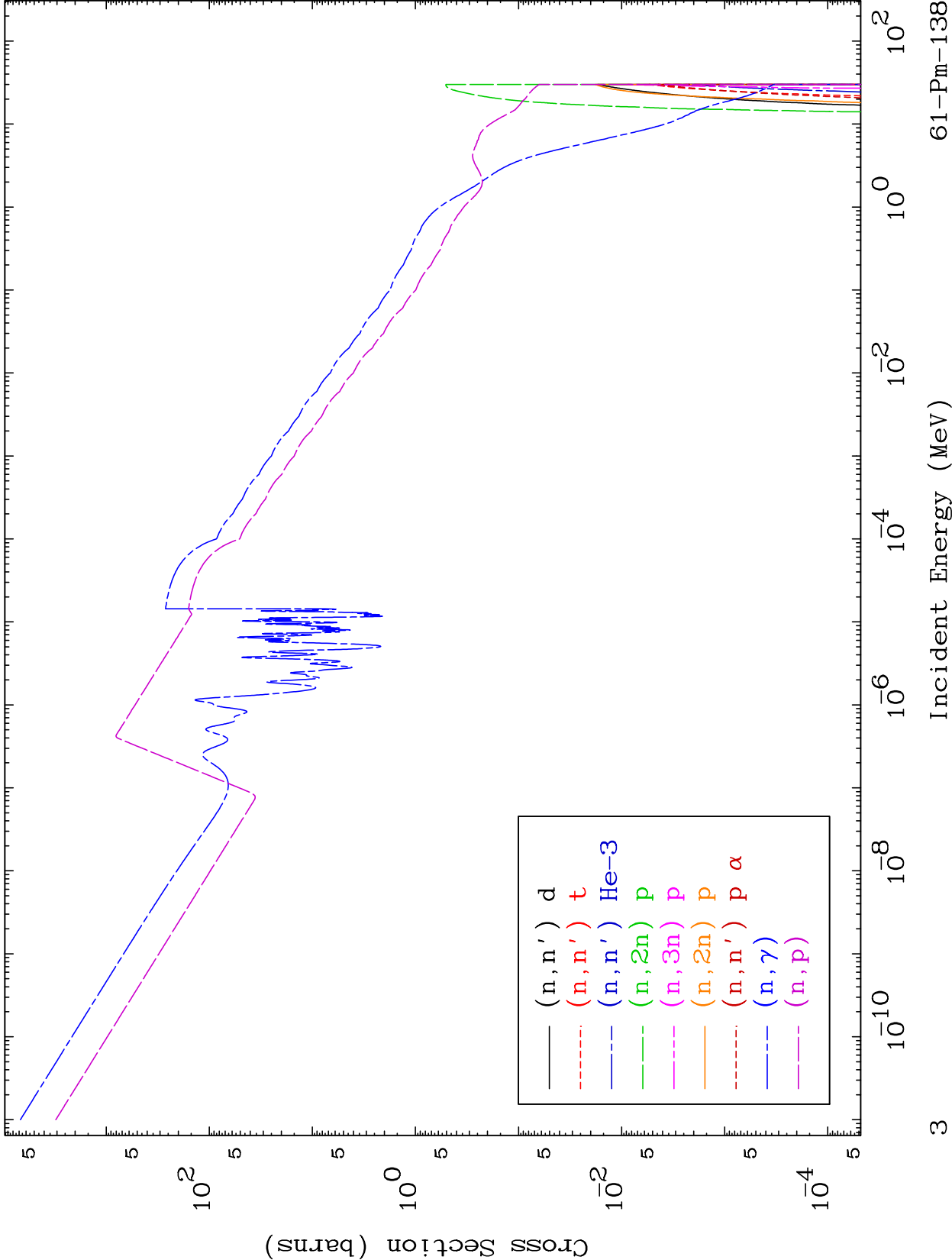
Tele: 925-443-1911

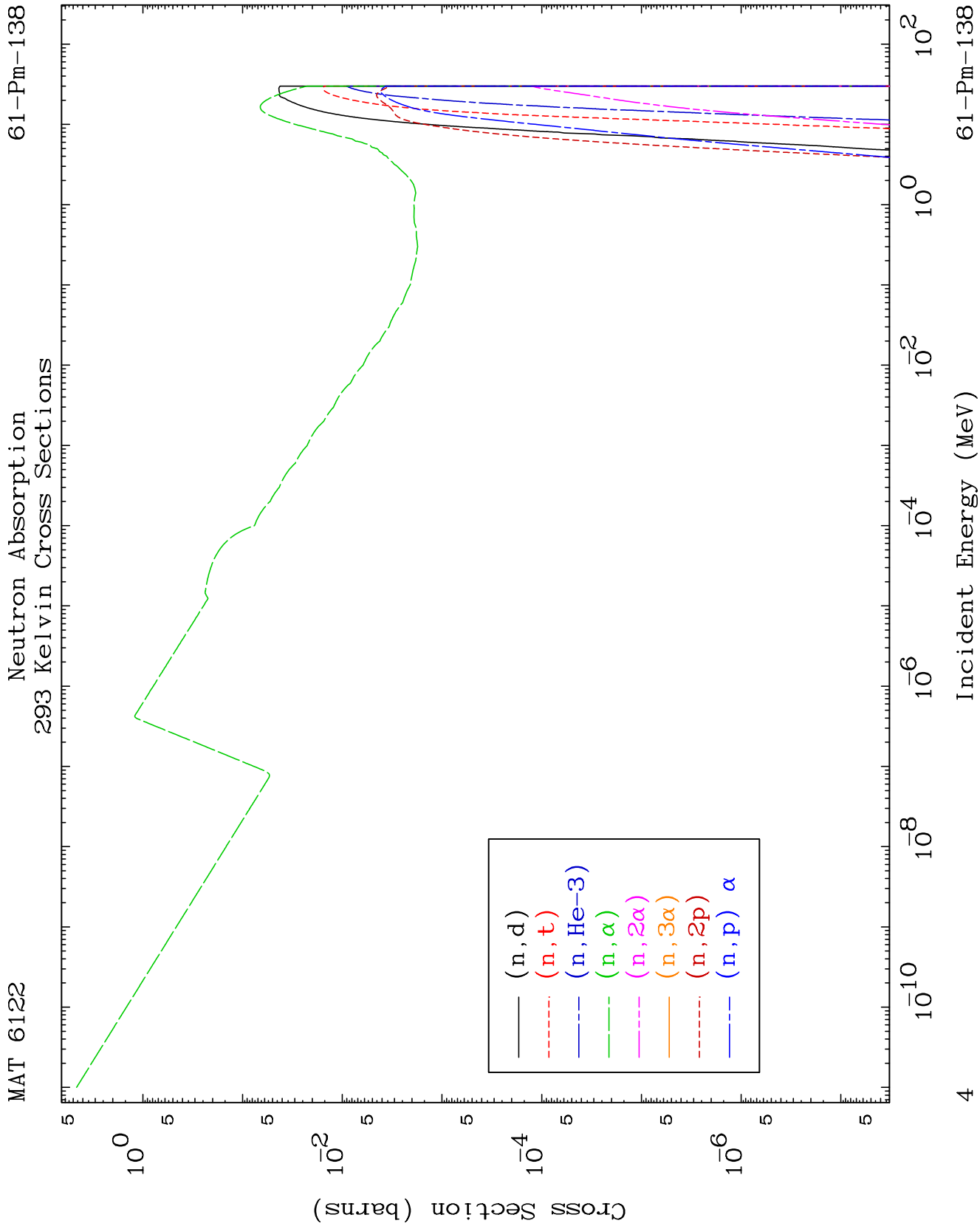
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

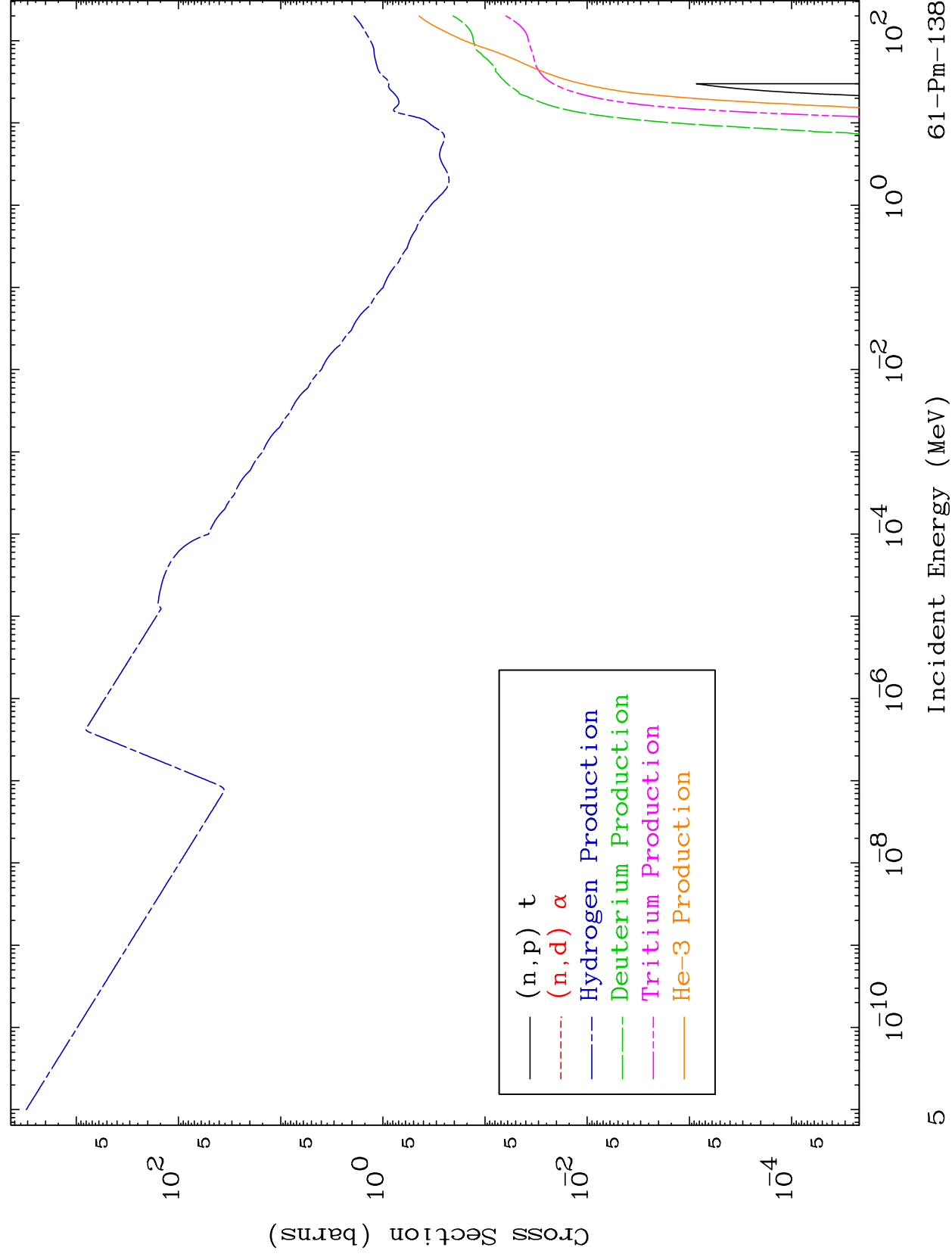
Press Mouse Button to Start

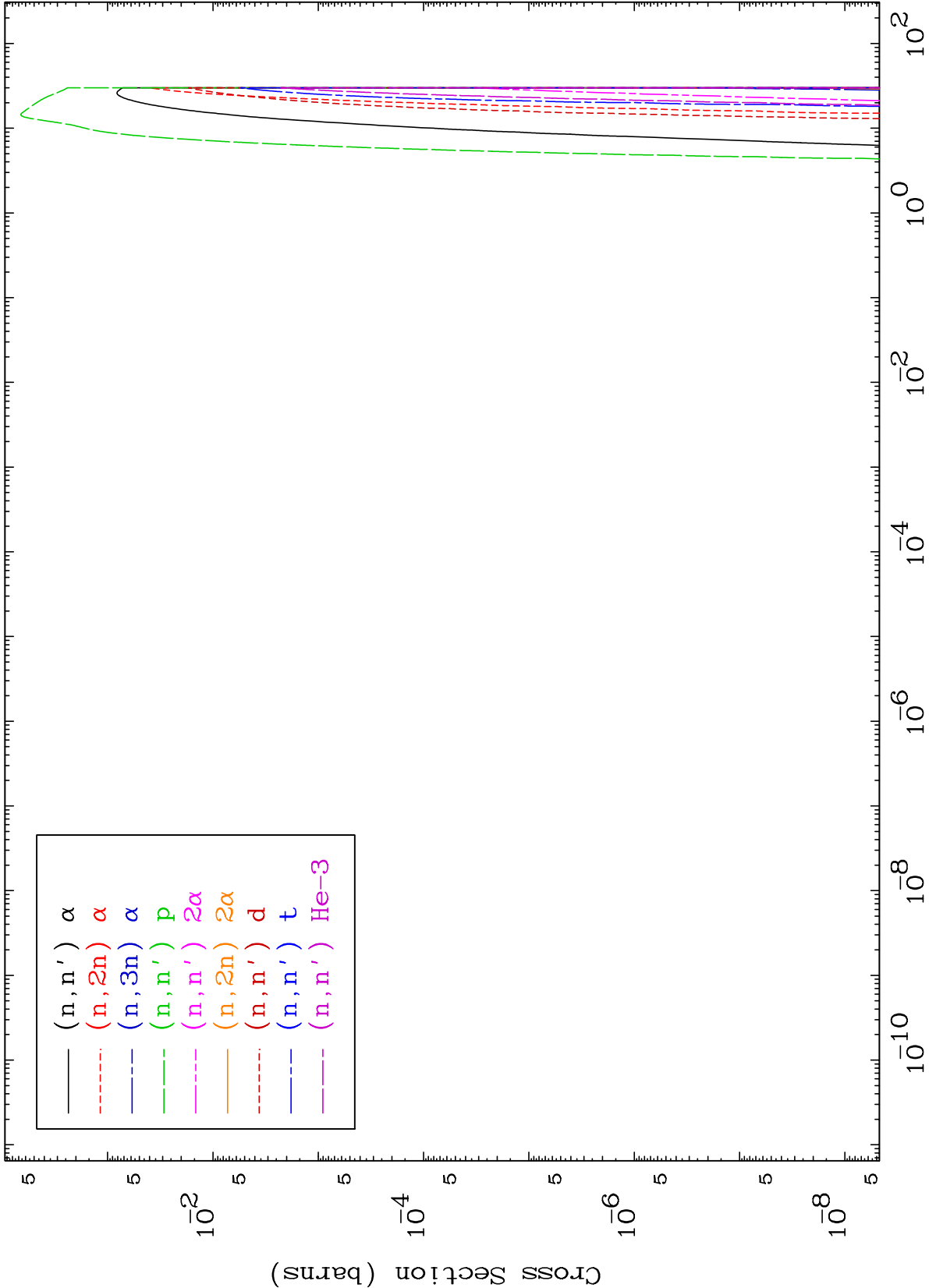








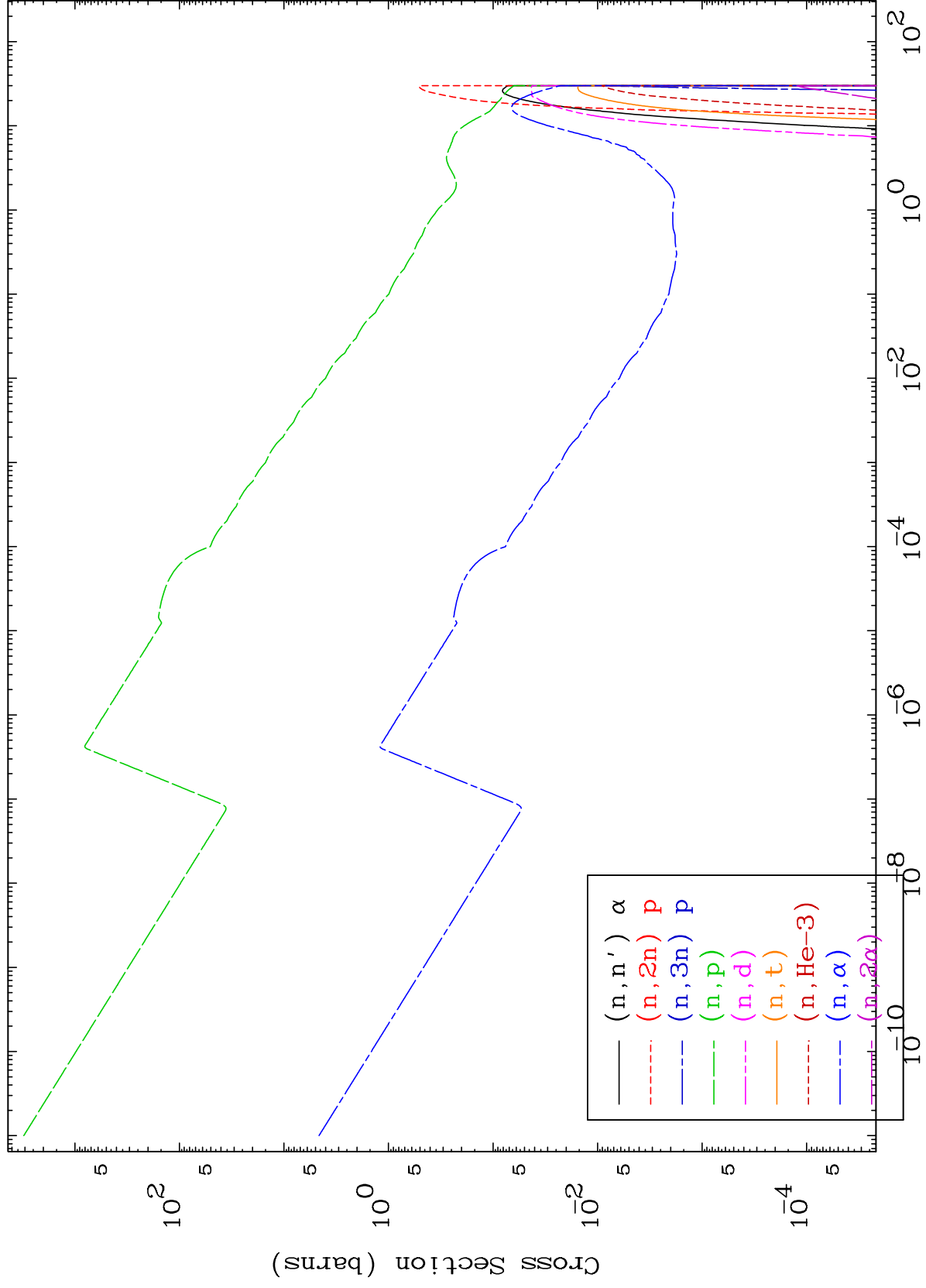


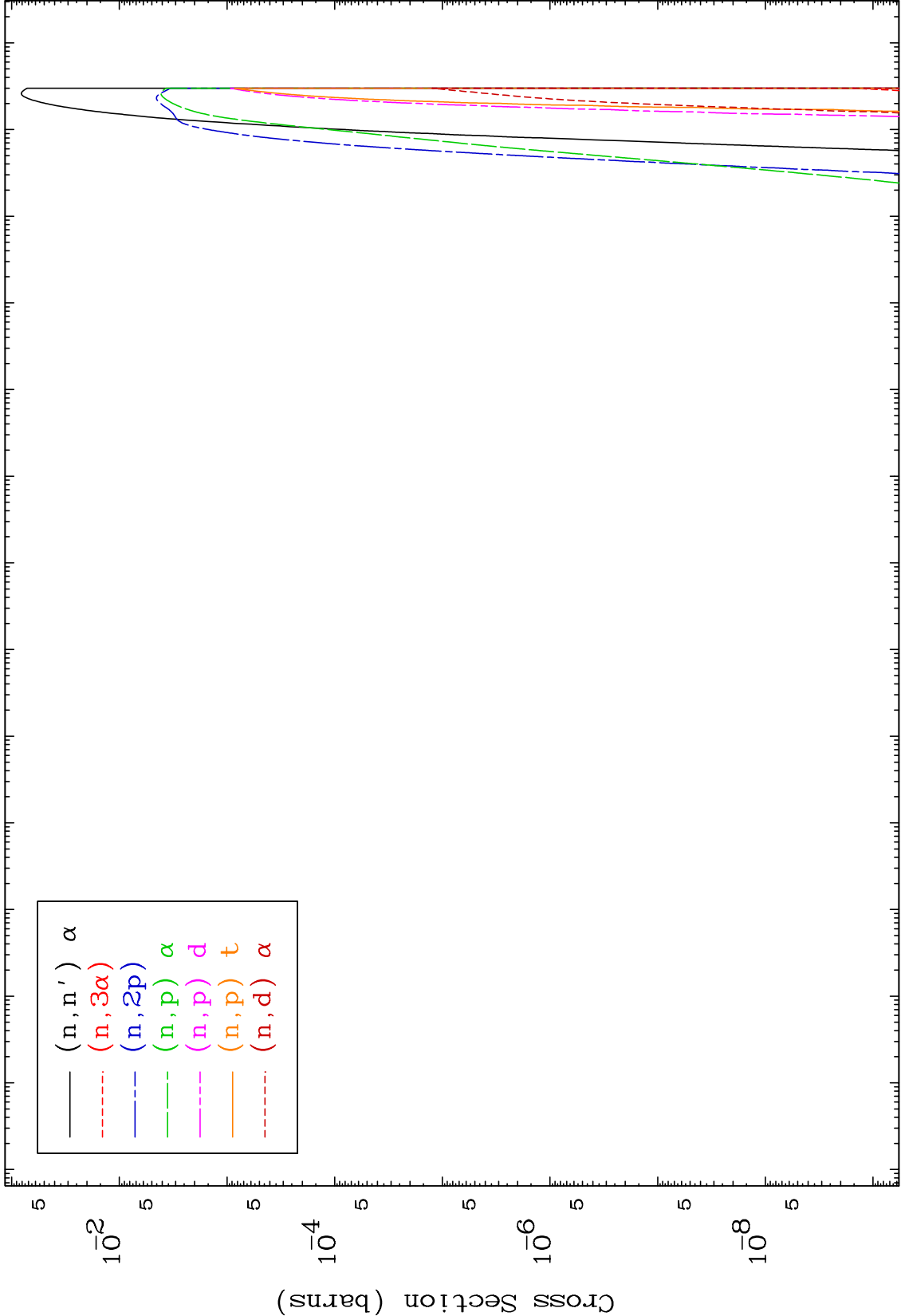


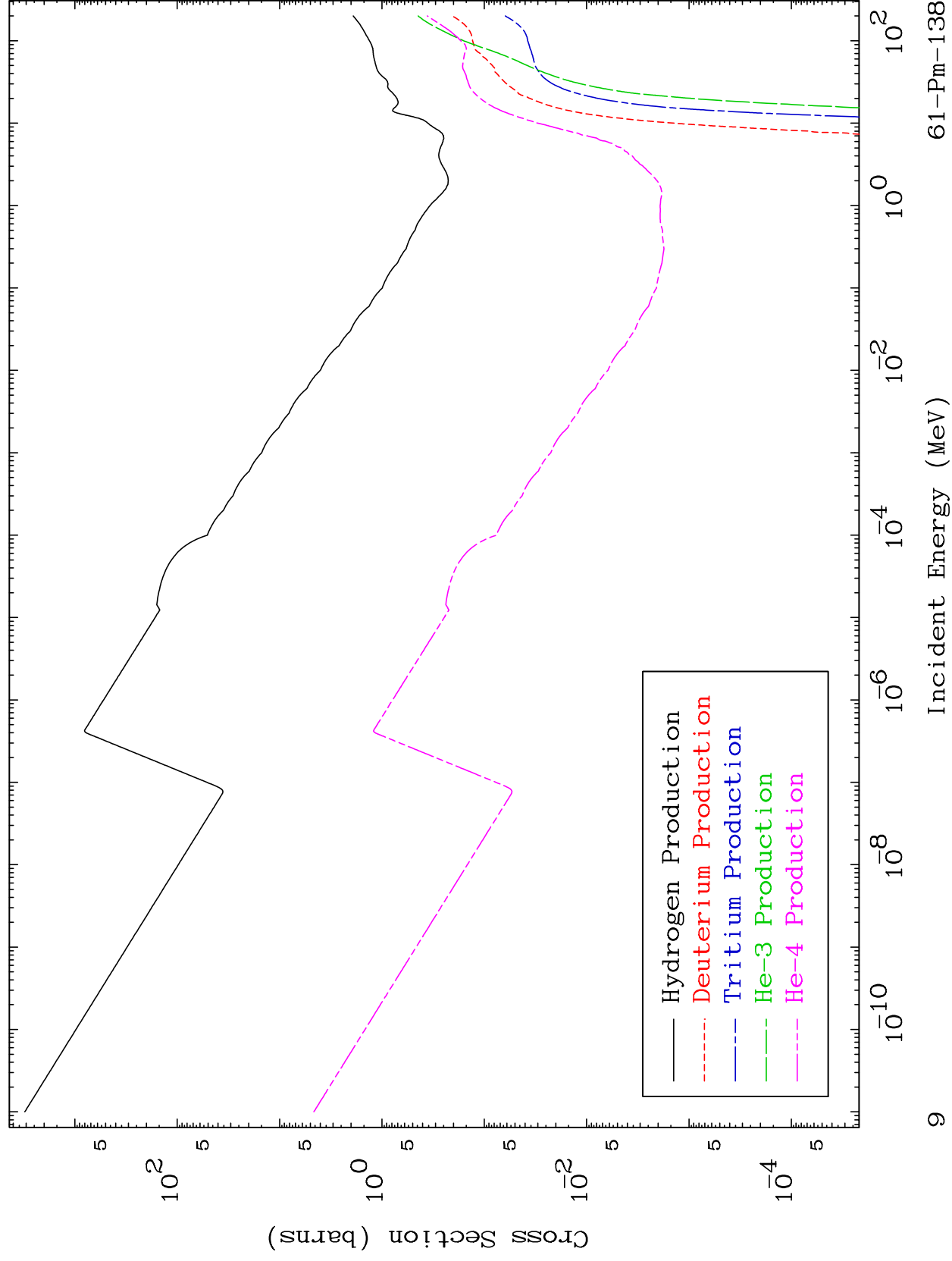
MAT 6122

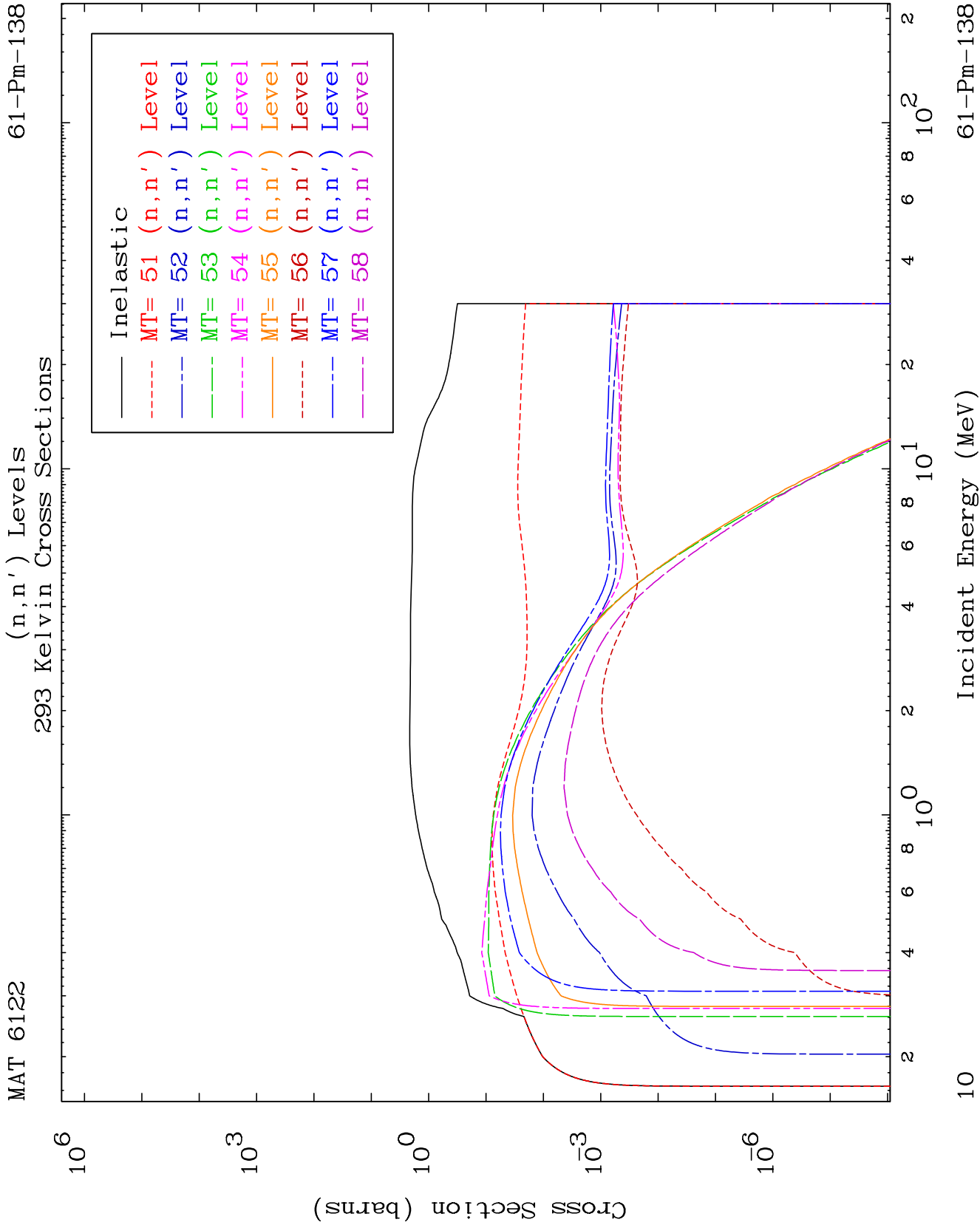
Charged Particle
293 Kelvin Cross Sections

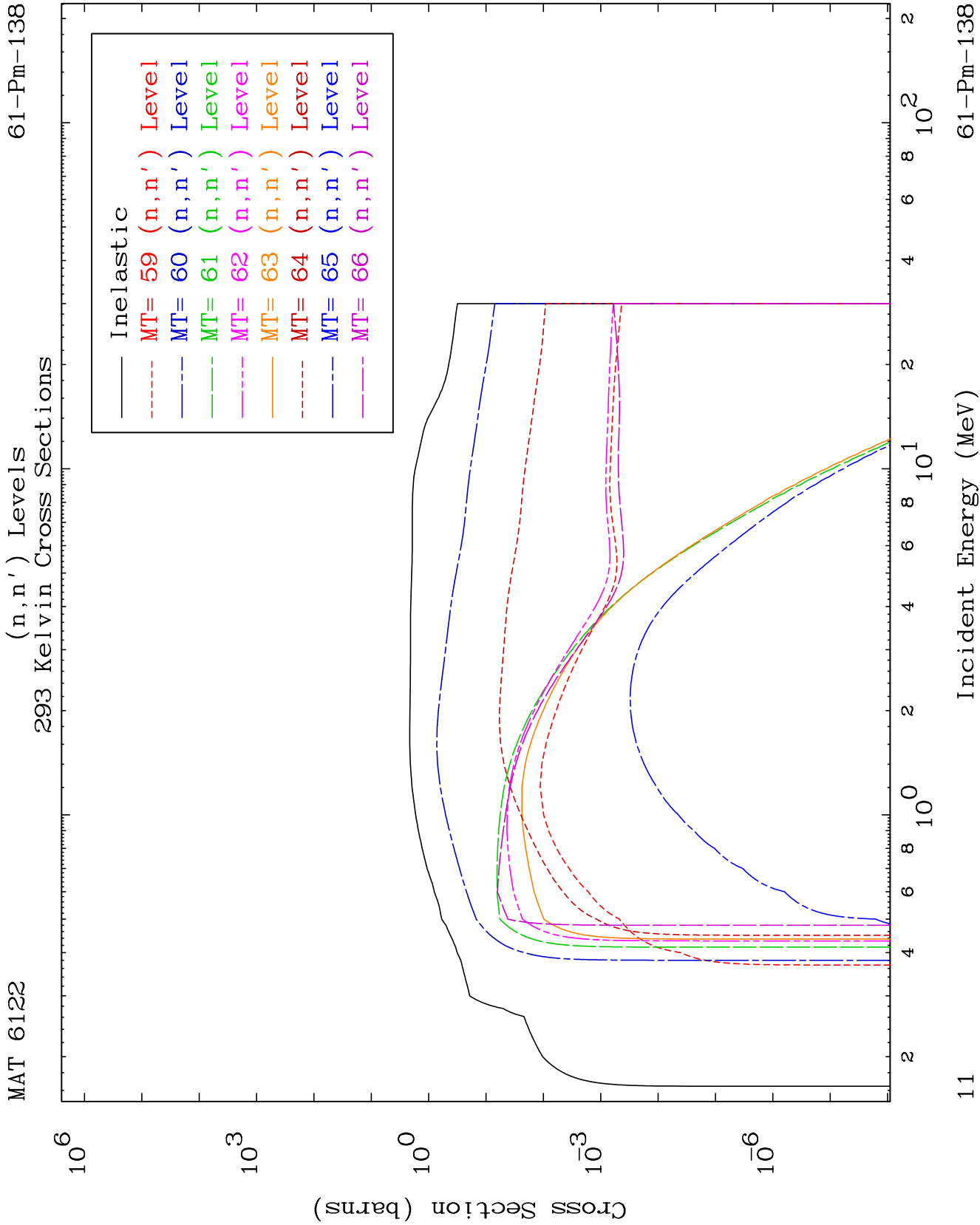
61-Pm-138

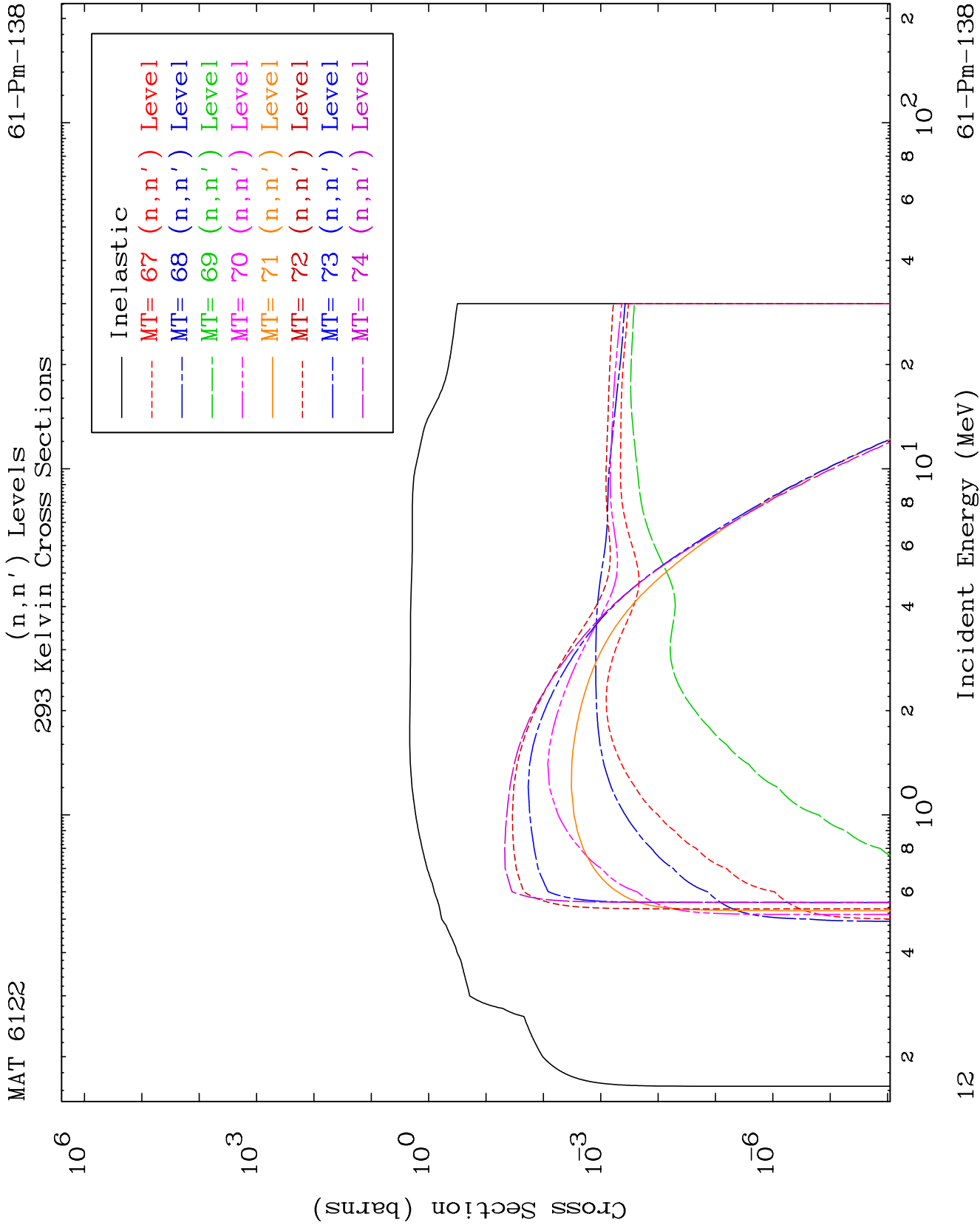


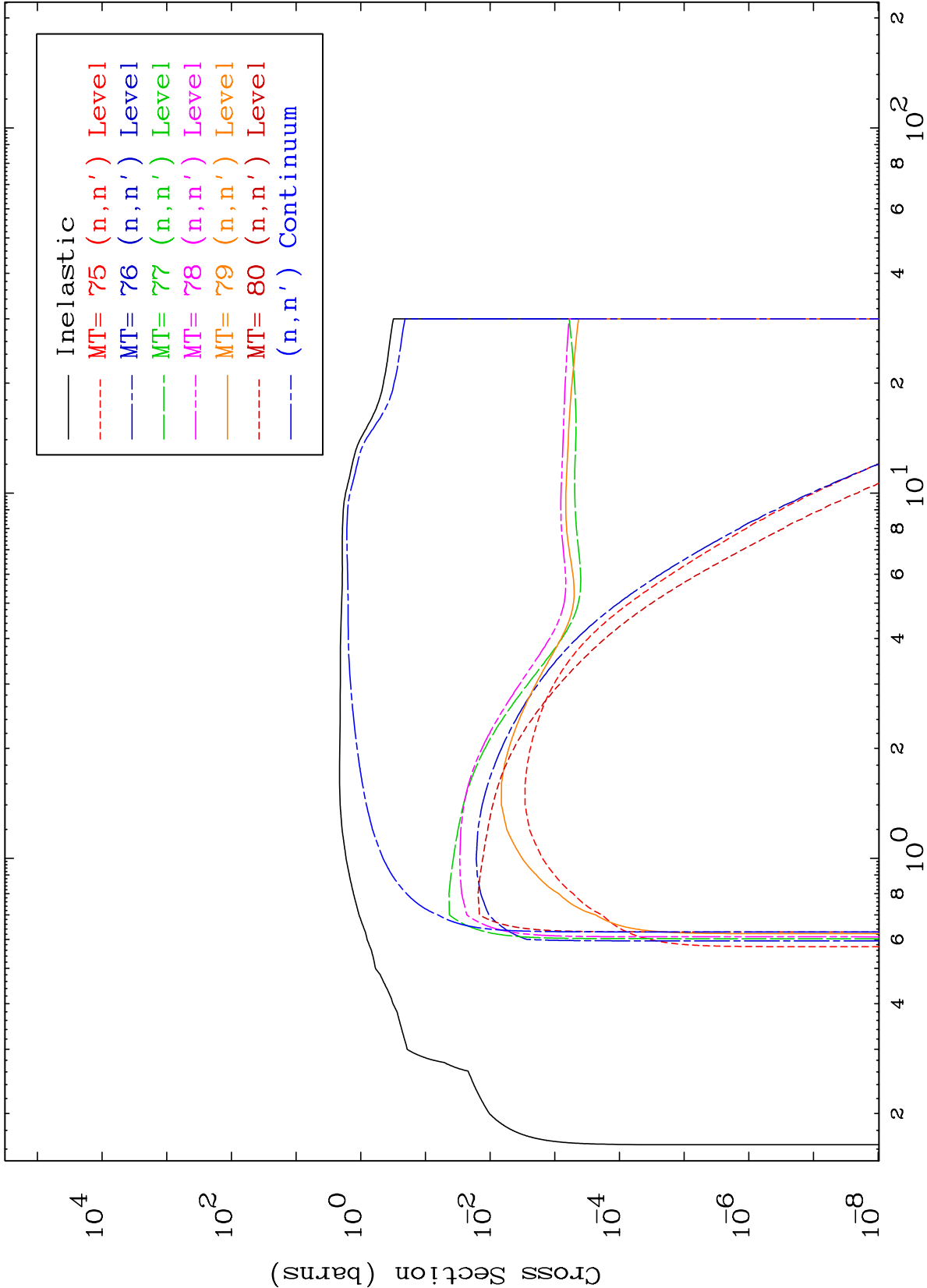


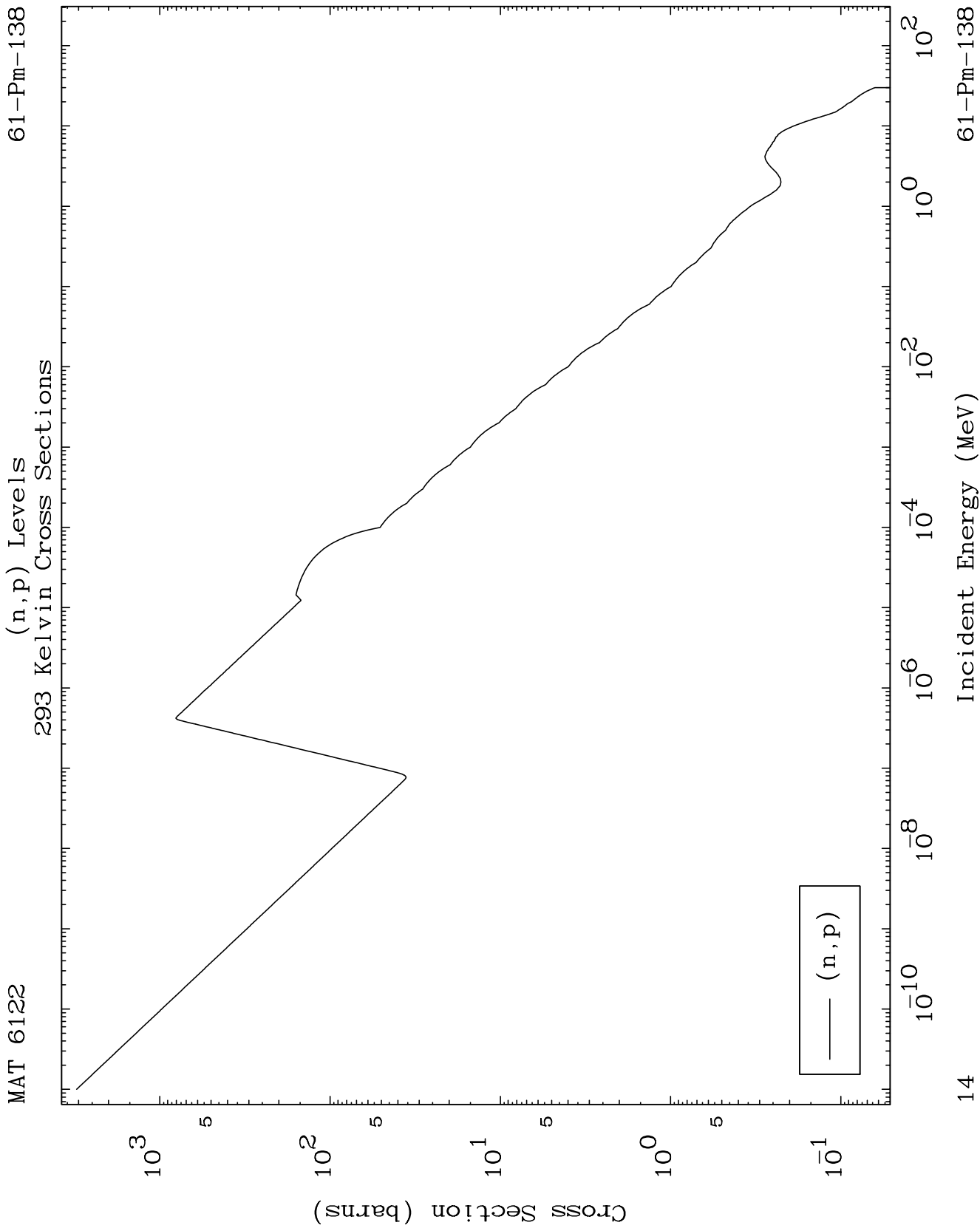








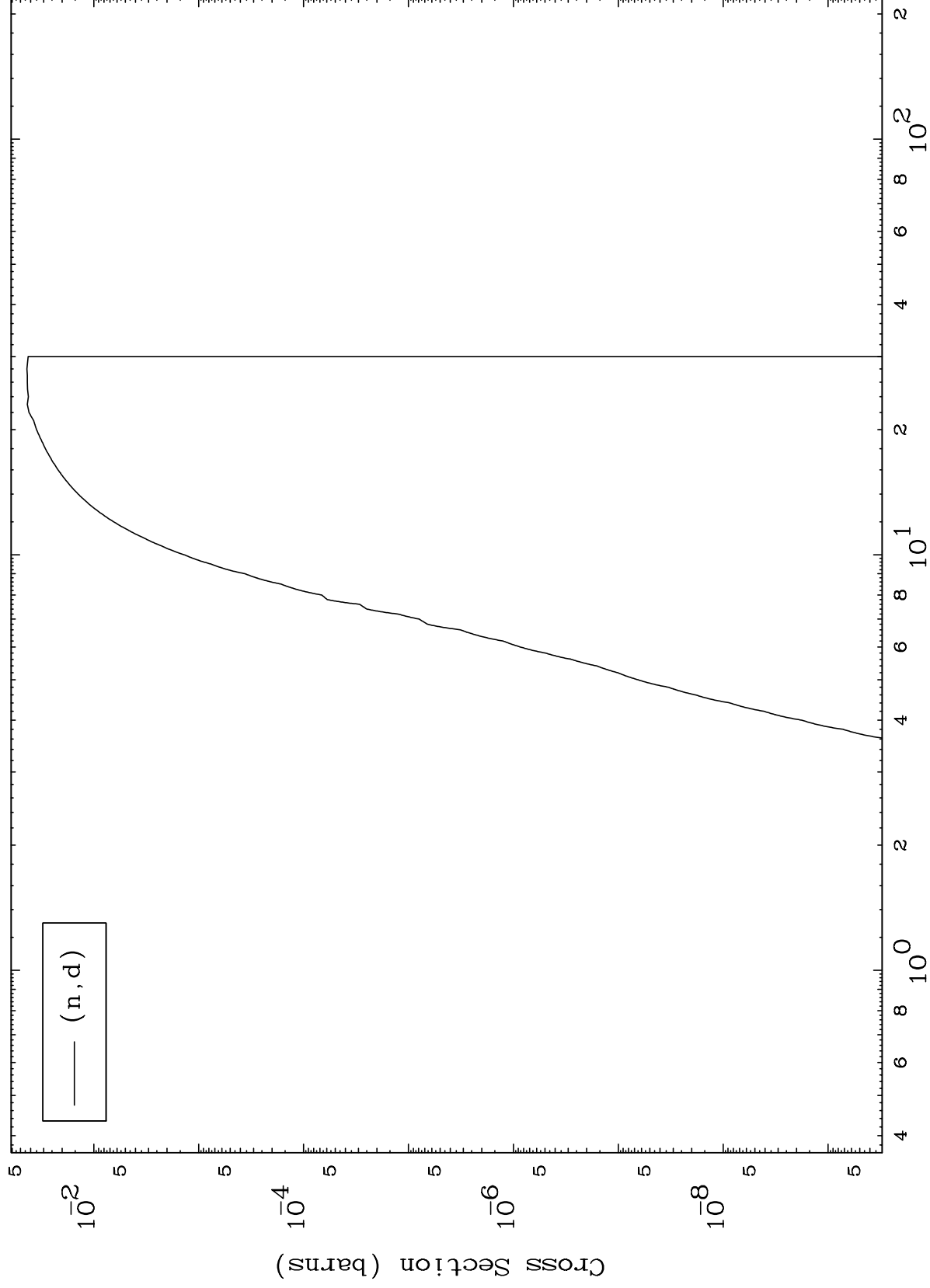




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61-Pm-138

(n,d) Levels
293 Kelvin Cross Sections



61-Pm-138

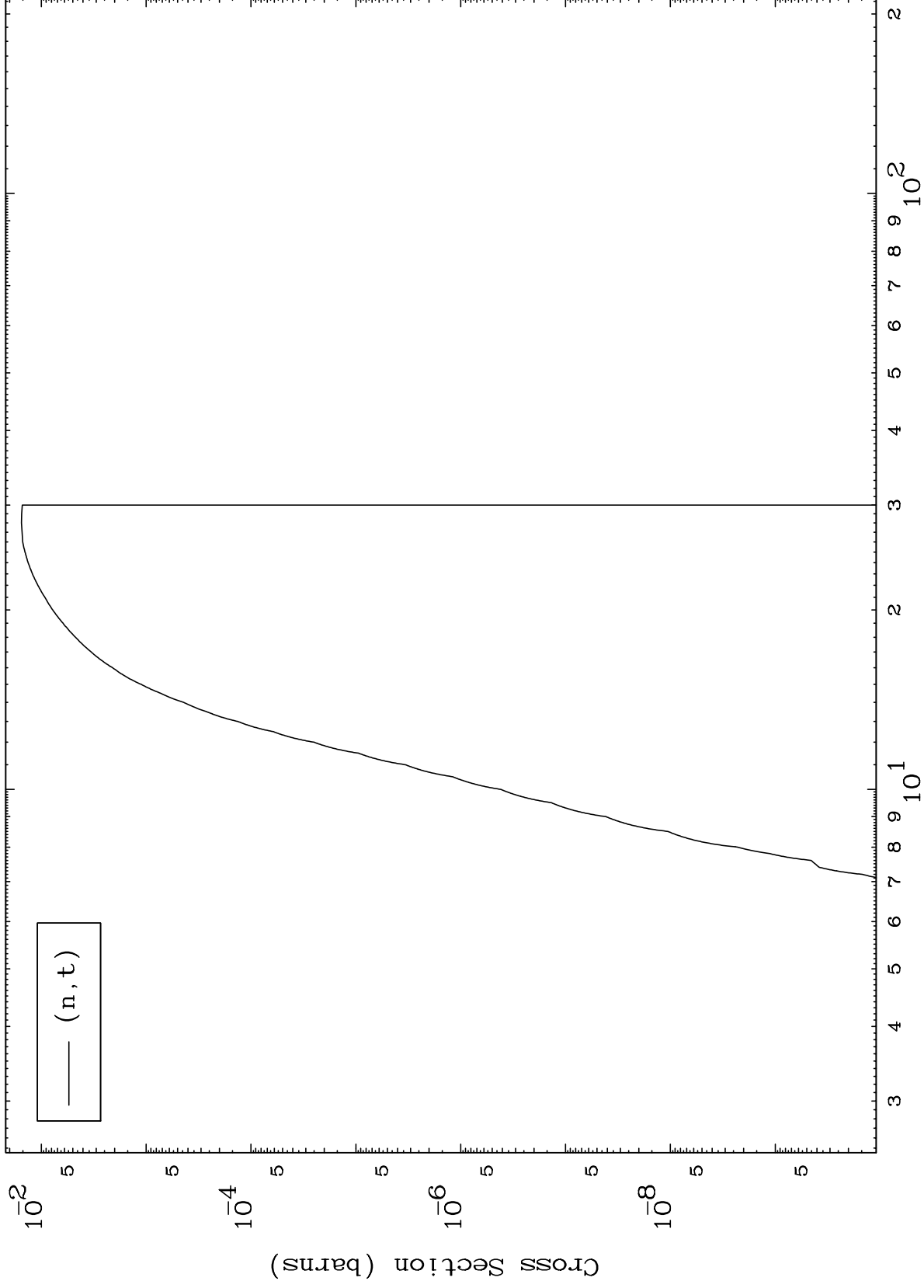
Incident Energy (MeV)

15

MAT 6122

61-Pm-138

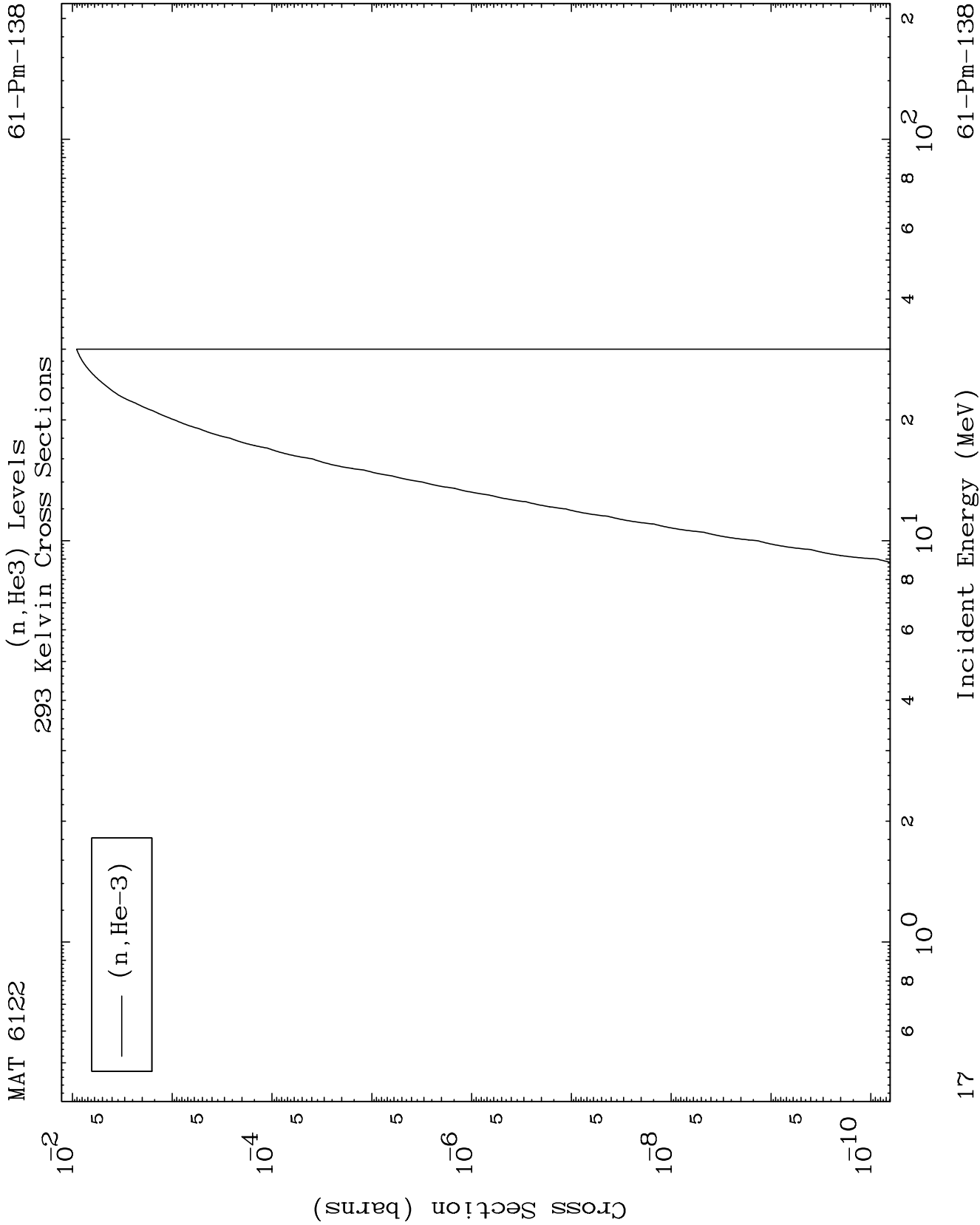
(n,t) Levels
293 Kelvin Cross Sections



61-Pm-138

Incident Energy (MeV)

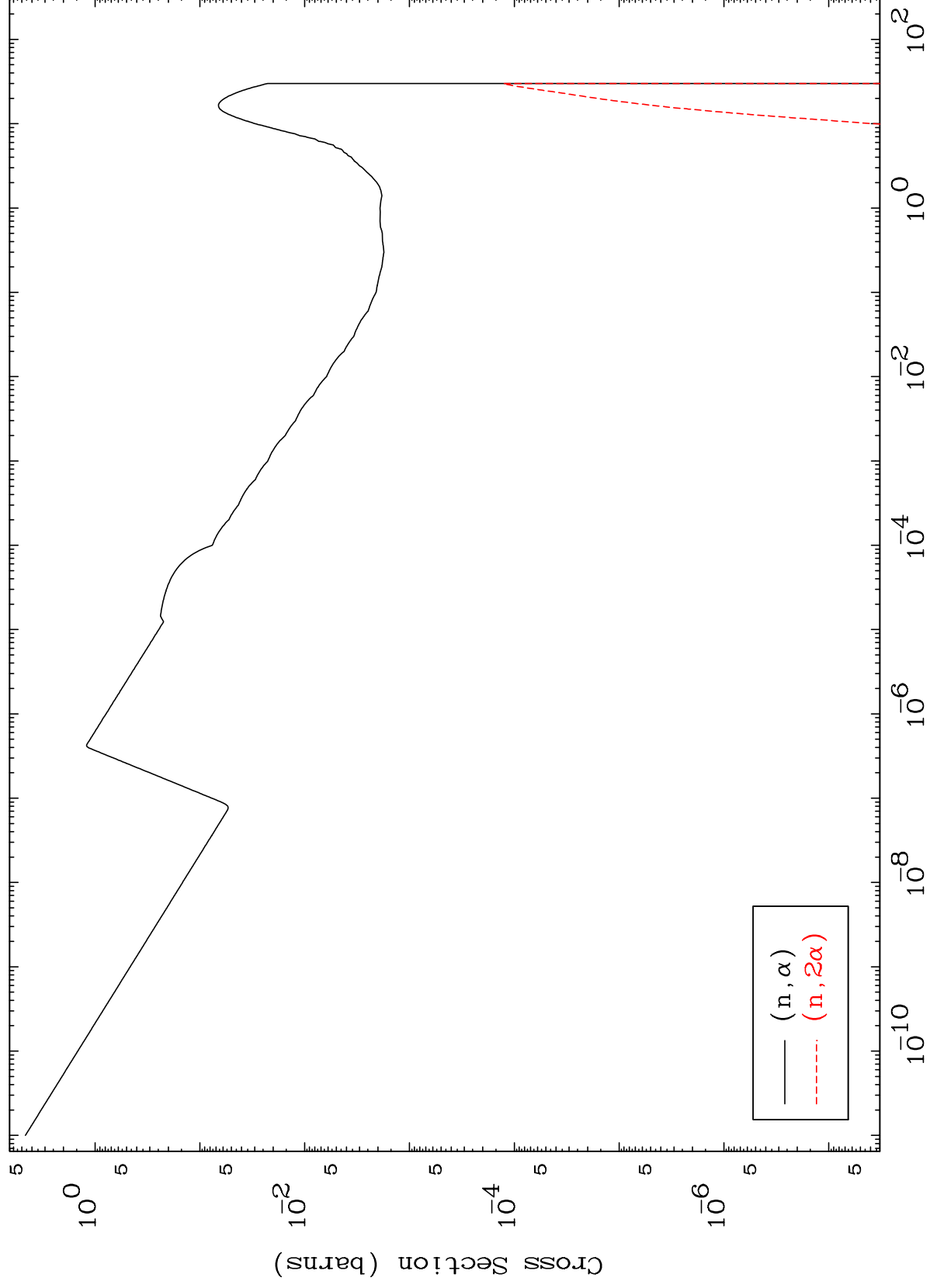
16



MAT 6122

(n, α) Levels
293 Kelvin Cross Sections

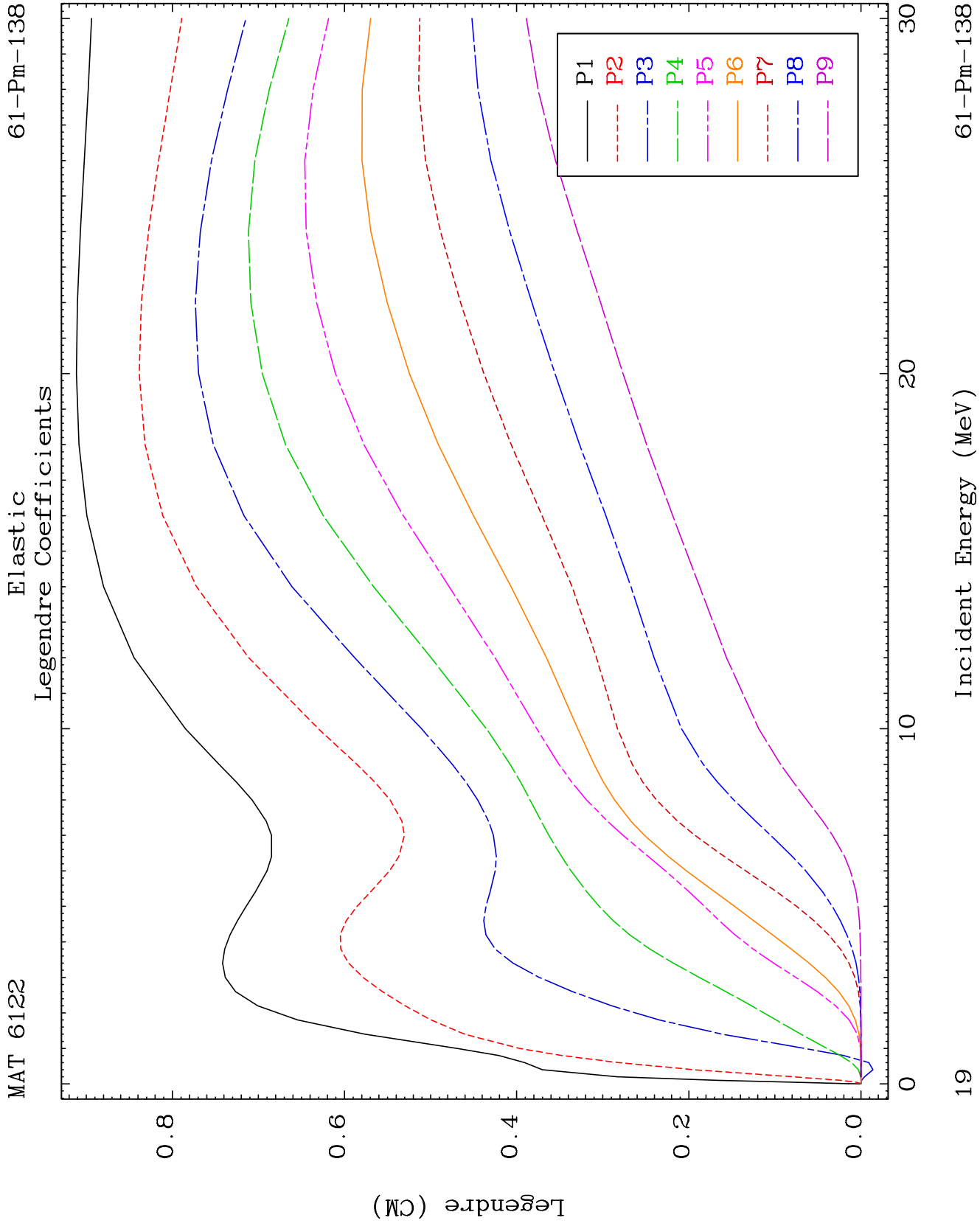
61-Pm-138

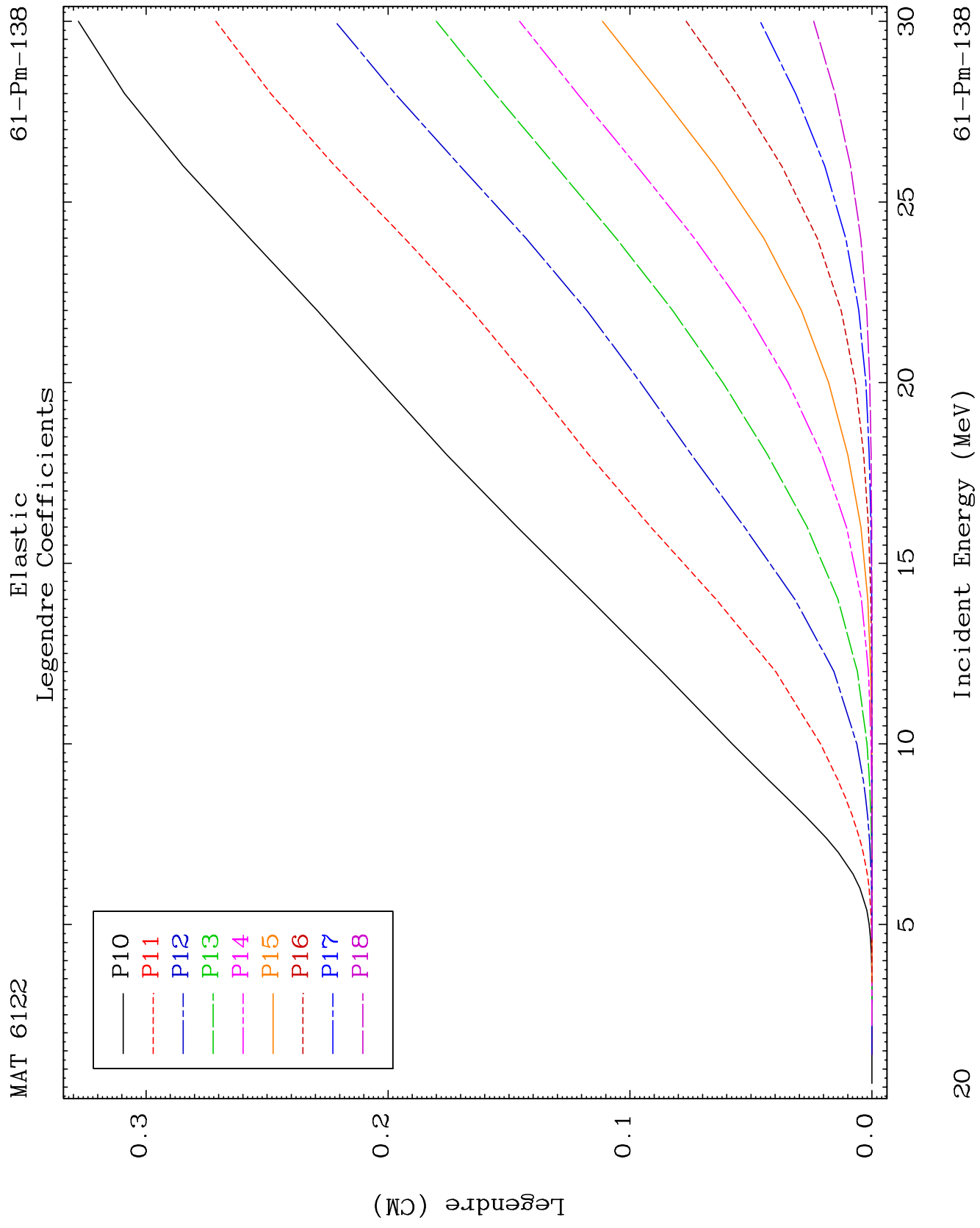


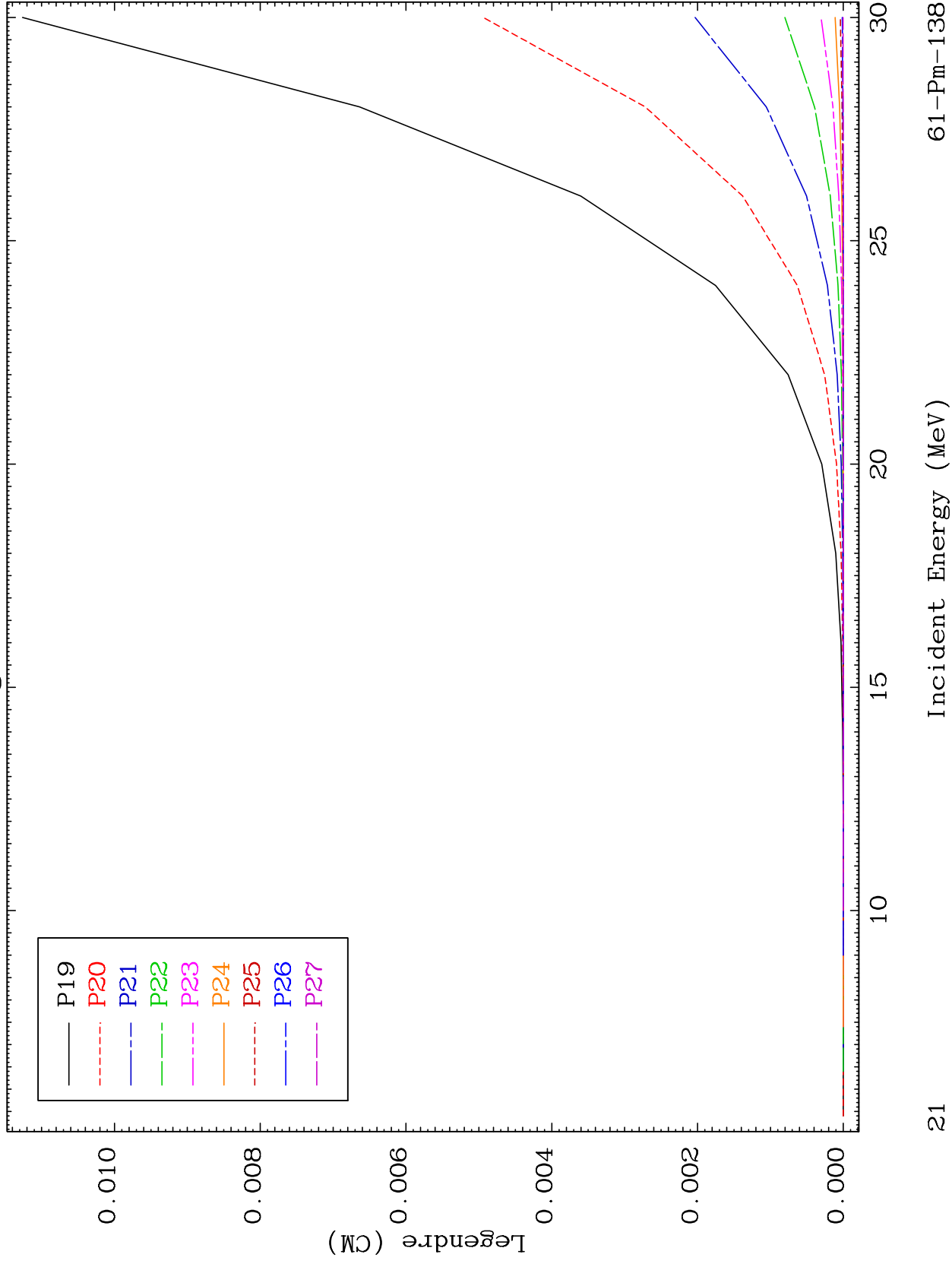
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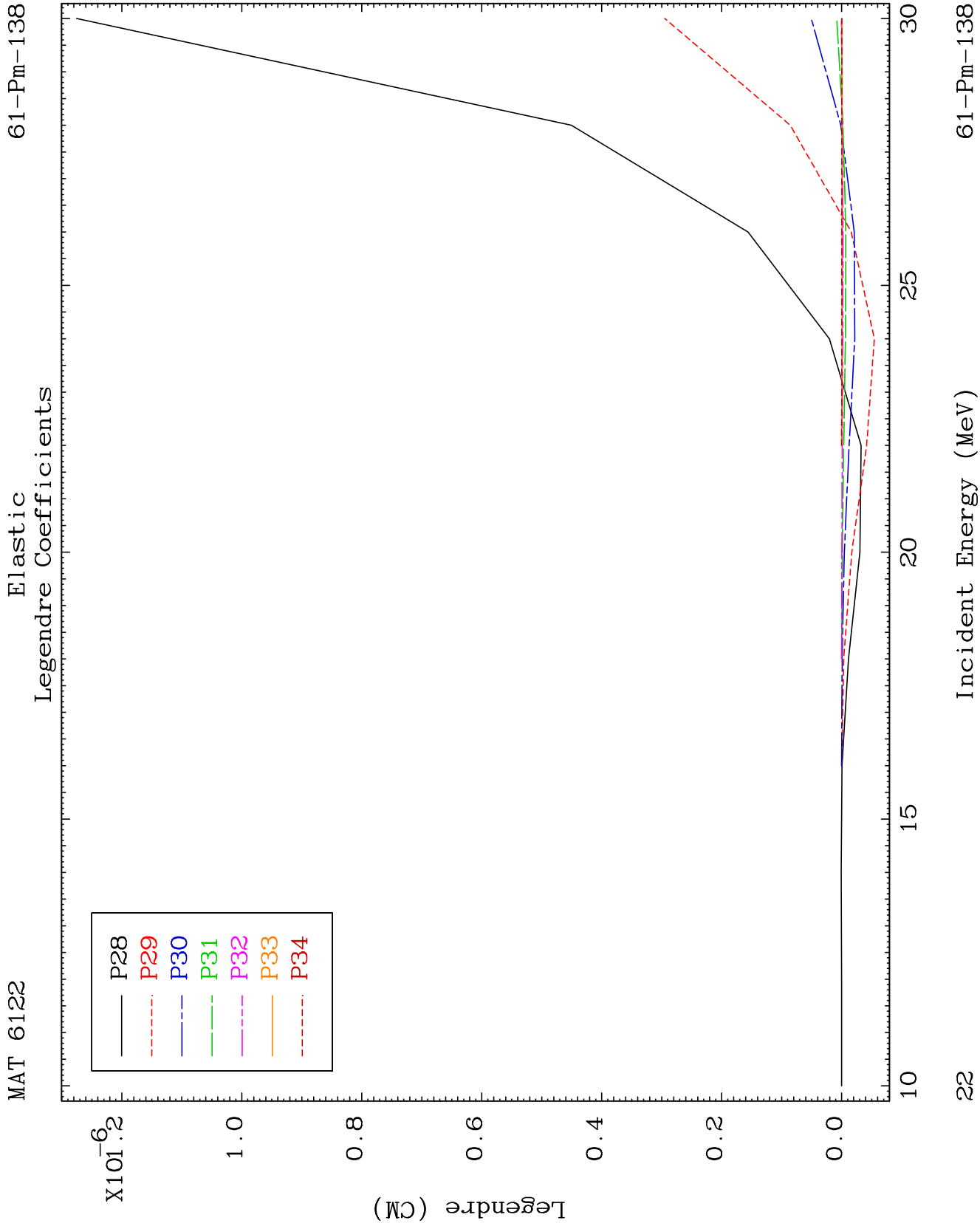
Incident Energy (MeV)

61-Pm-138





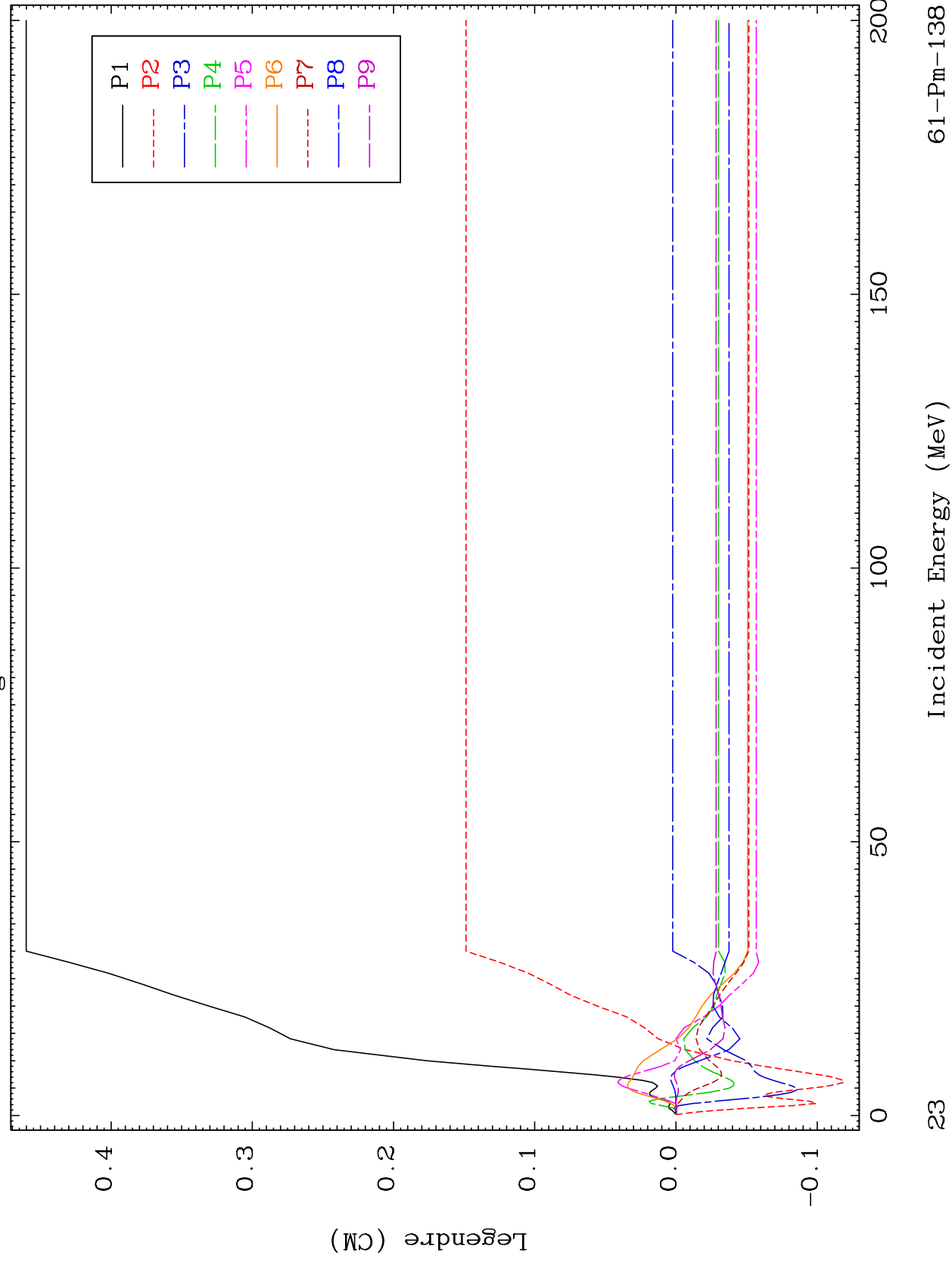


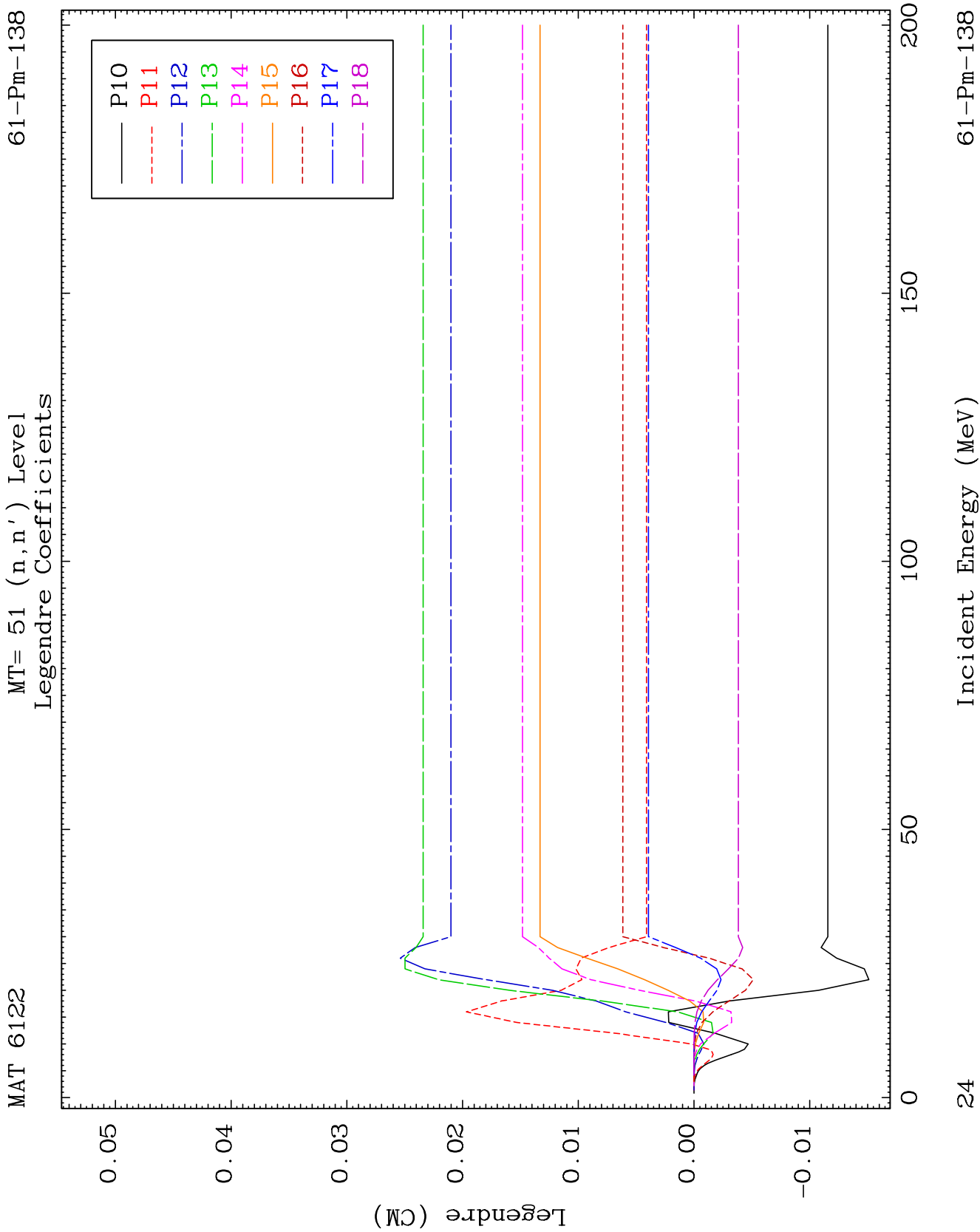


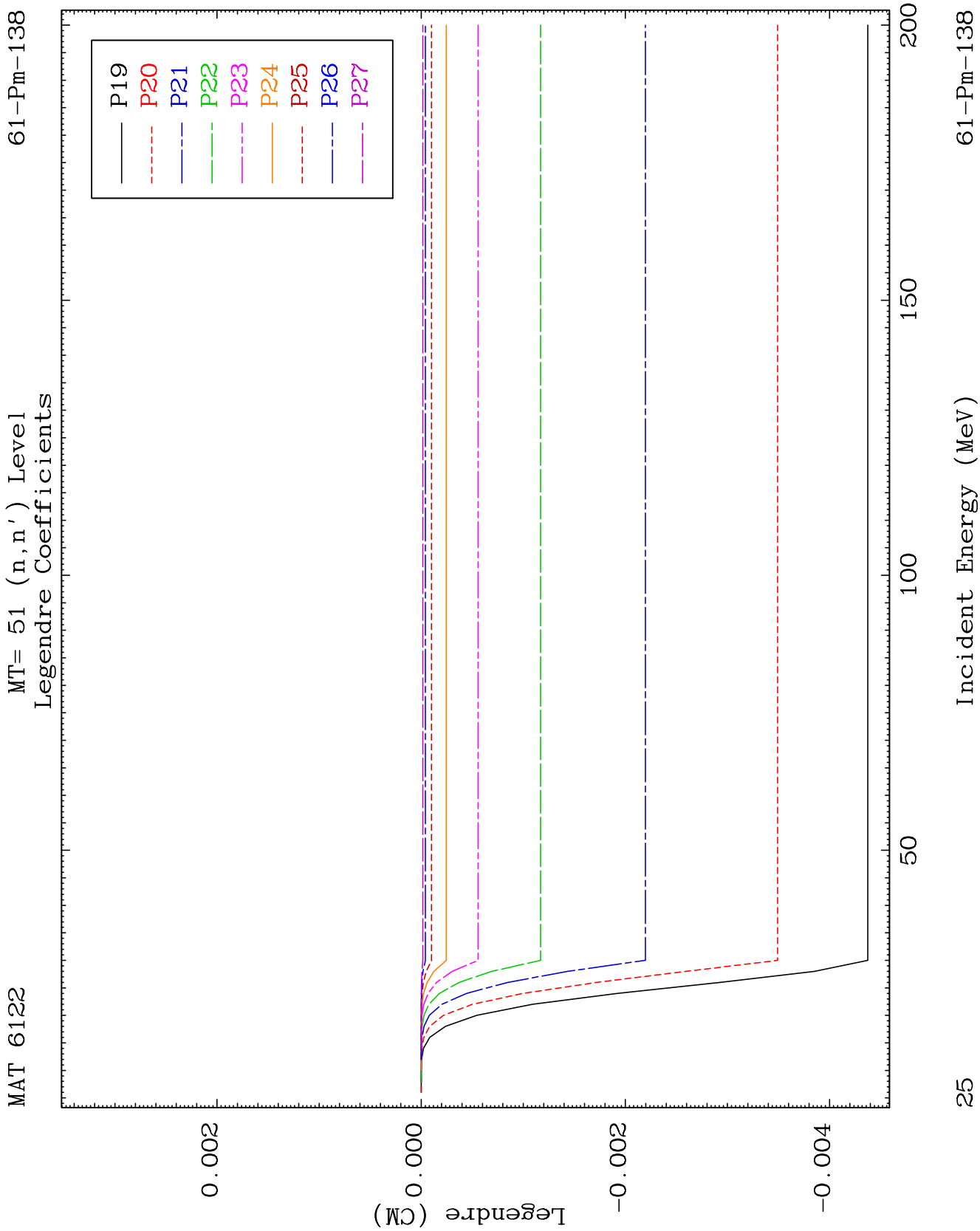
MAT 6122

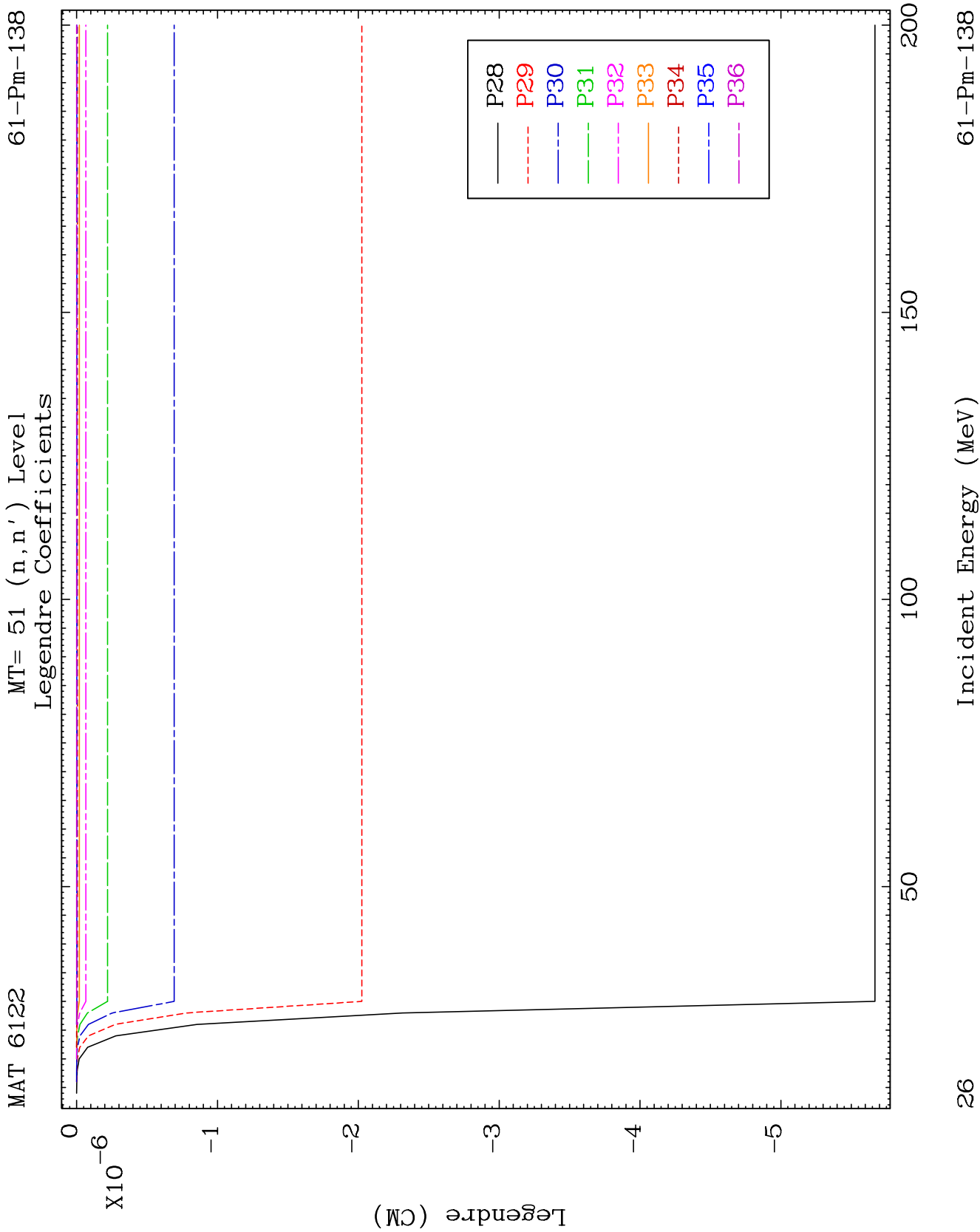
MT= 51 (n, n') Level
Legendre Coefficients

61-Pm-138





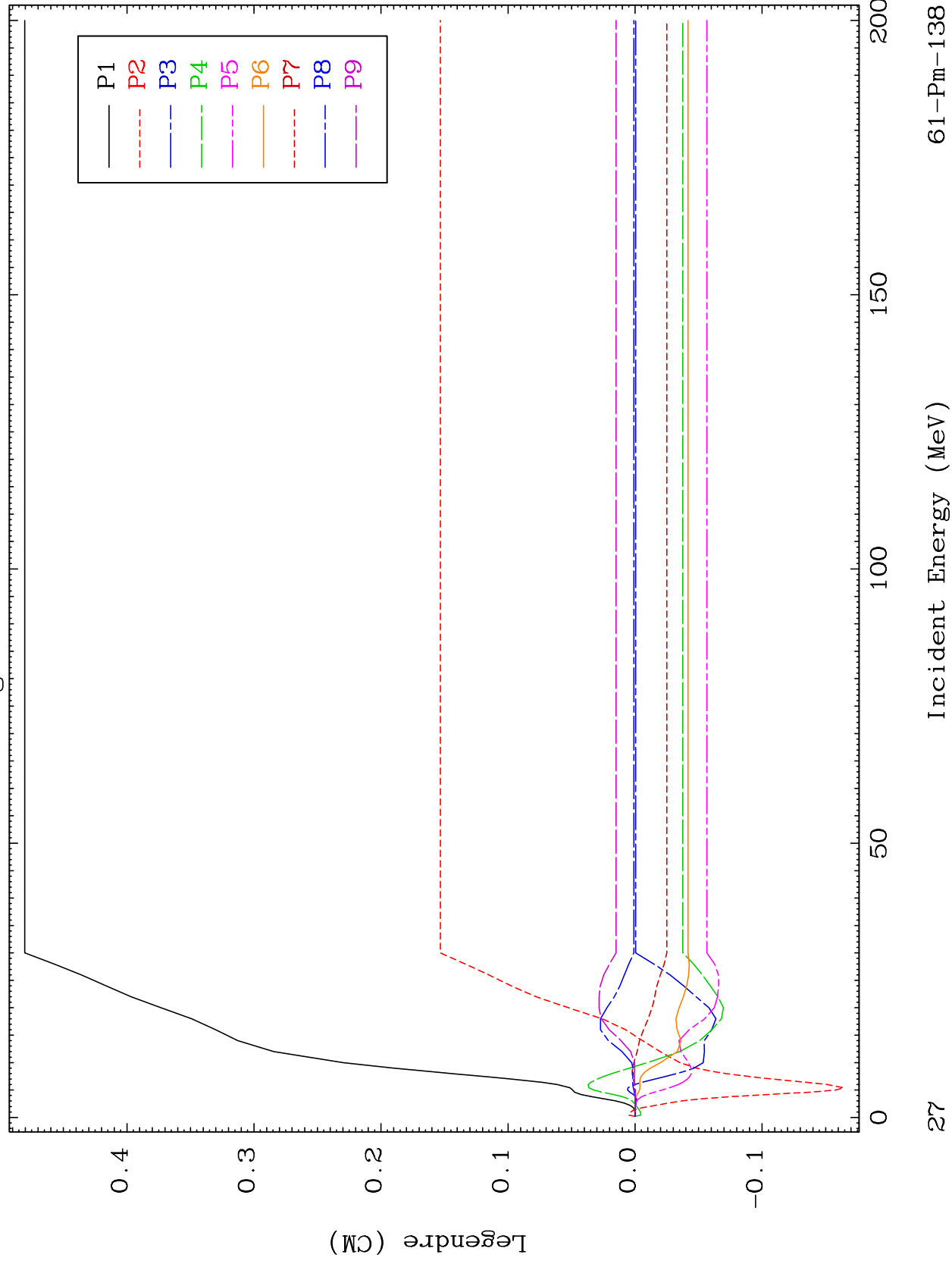


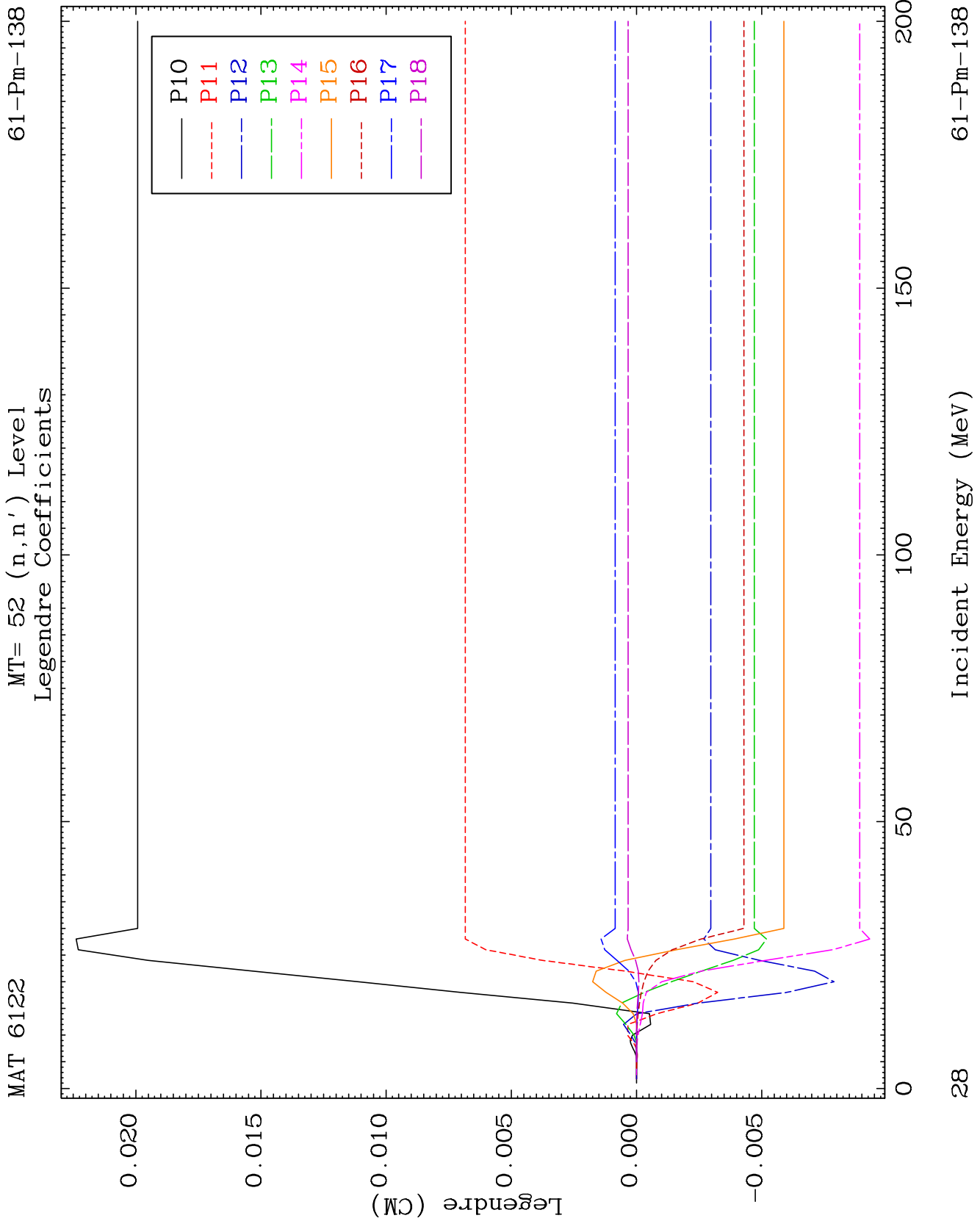


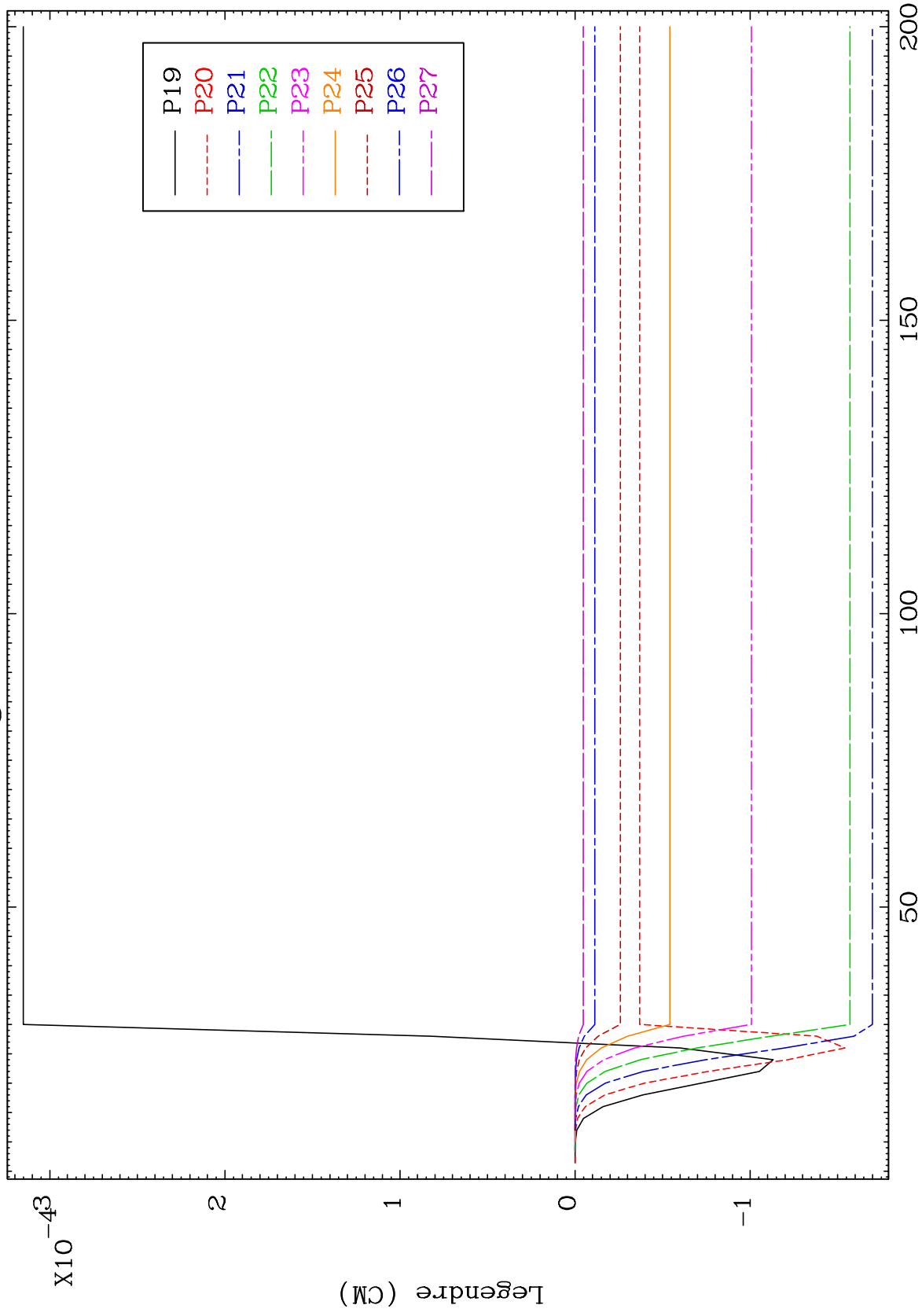
MAT 6122

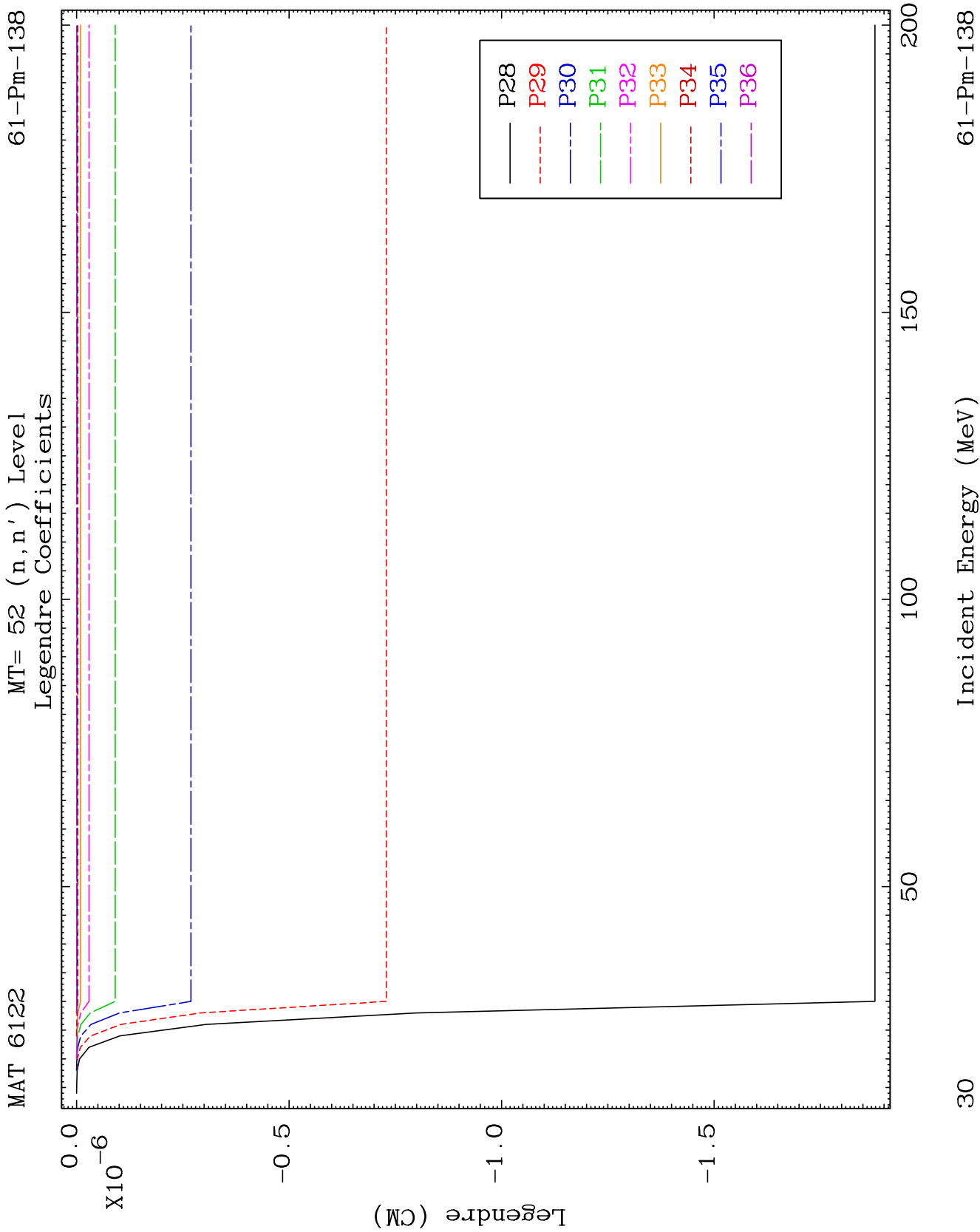
MT= 52 (n, n') Level
Legendre Coefficients

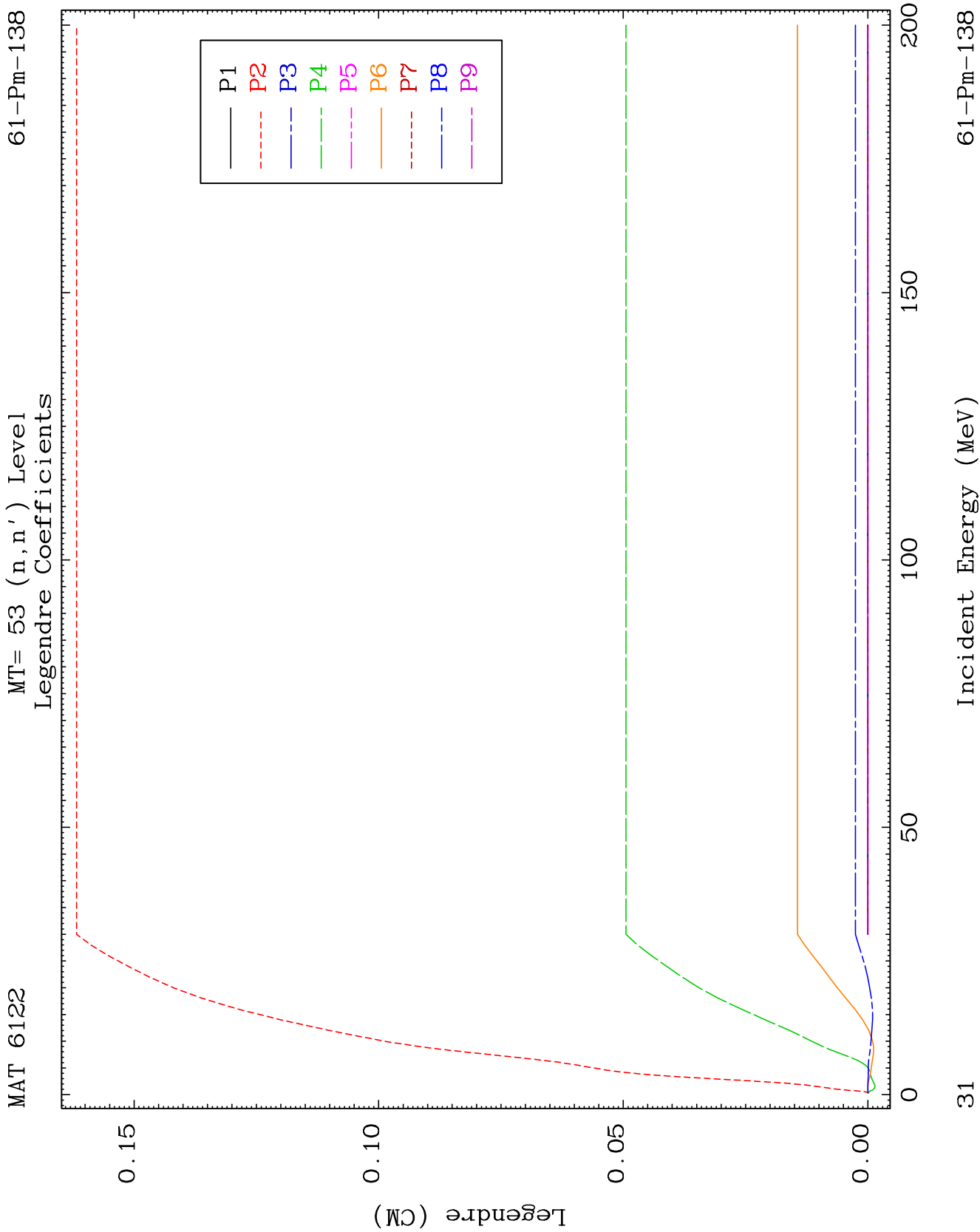
61-Pm-138







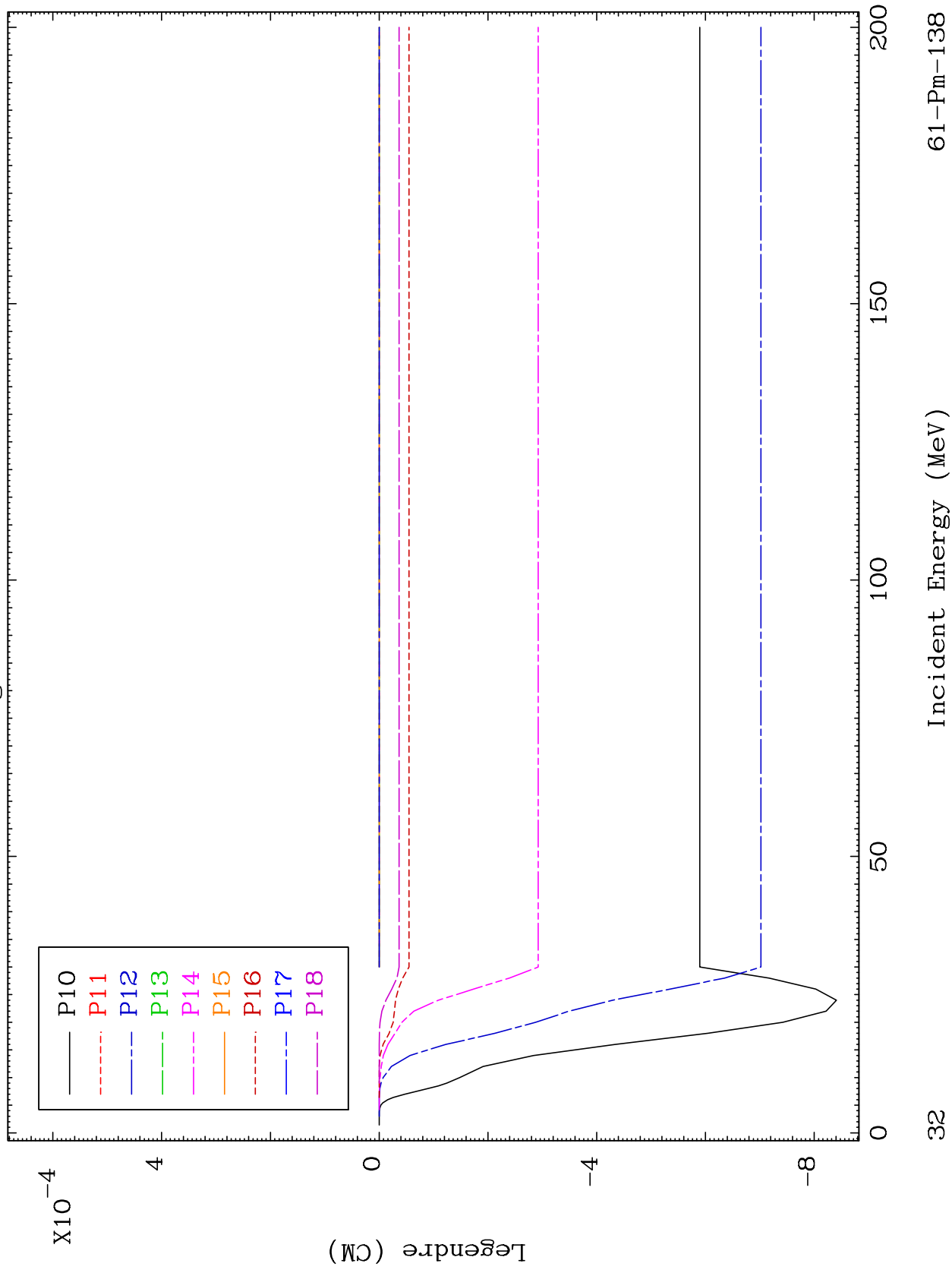


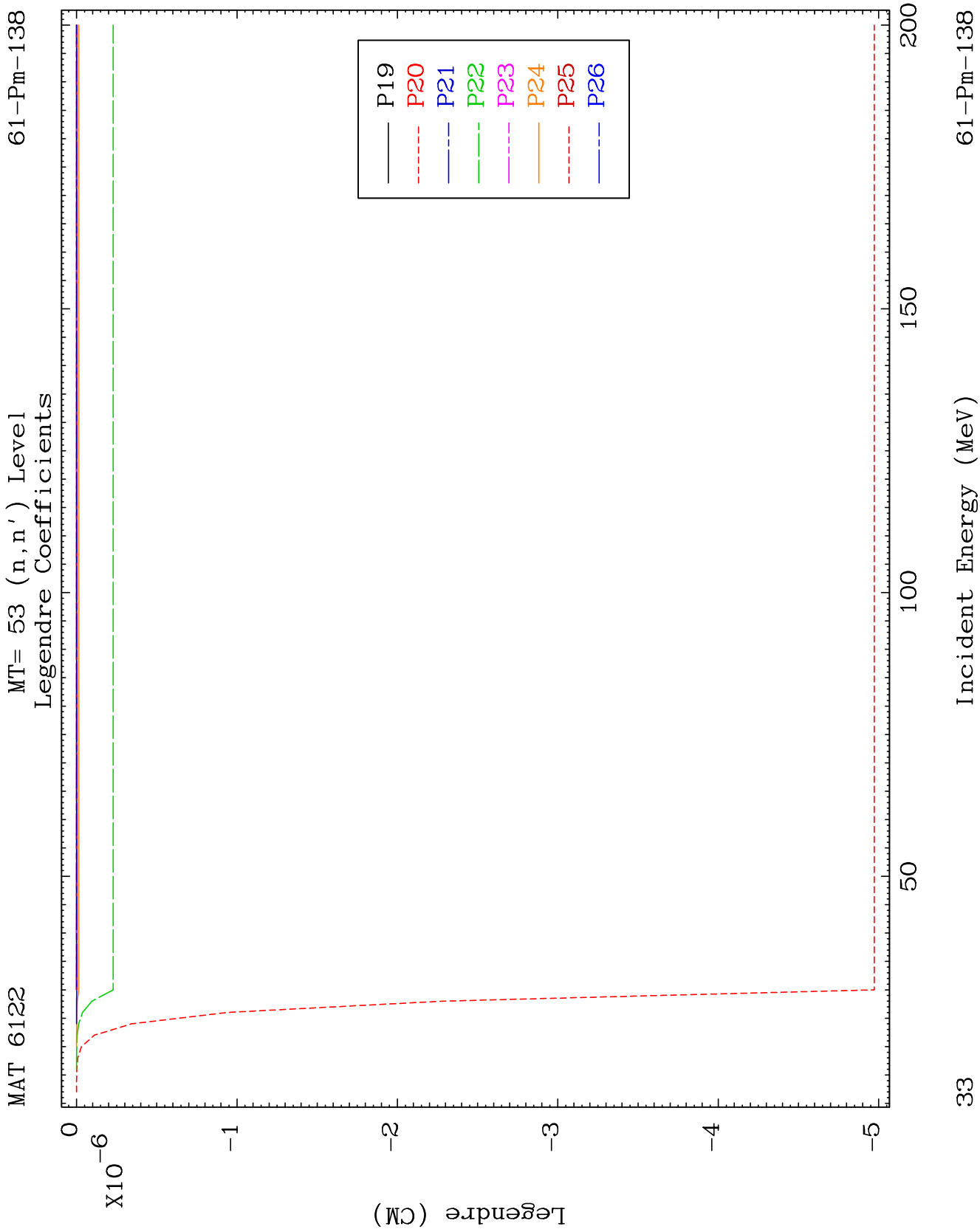


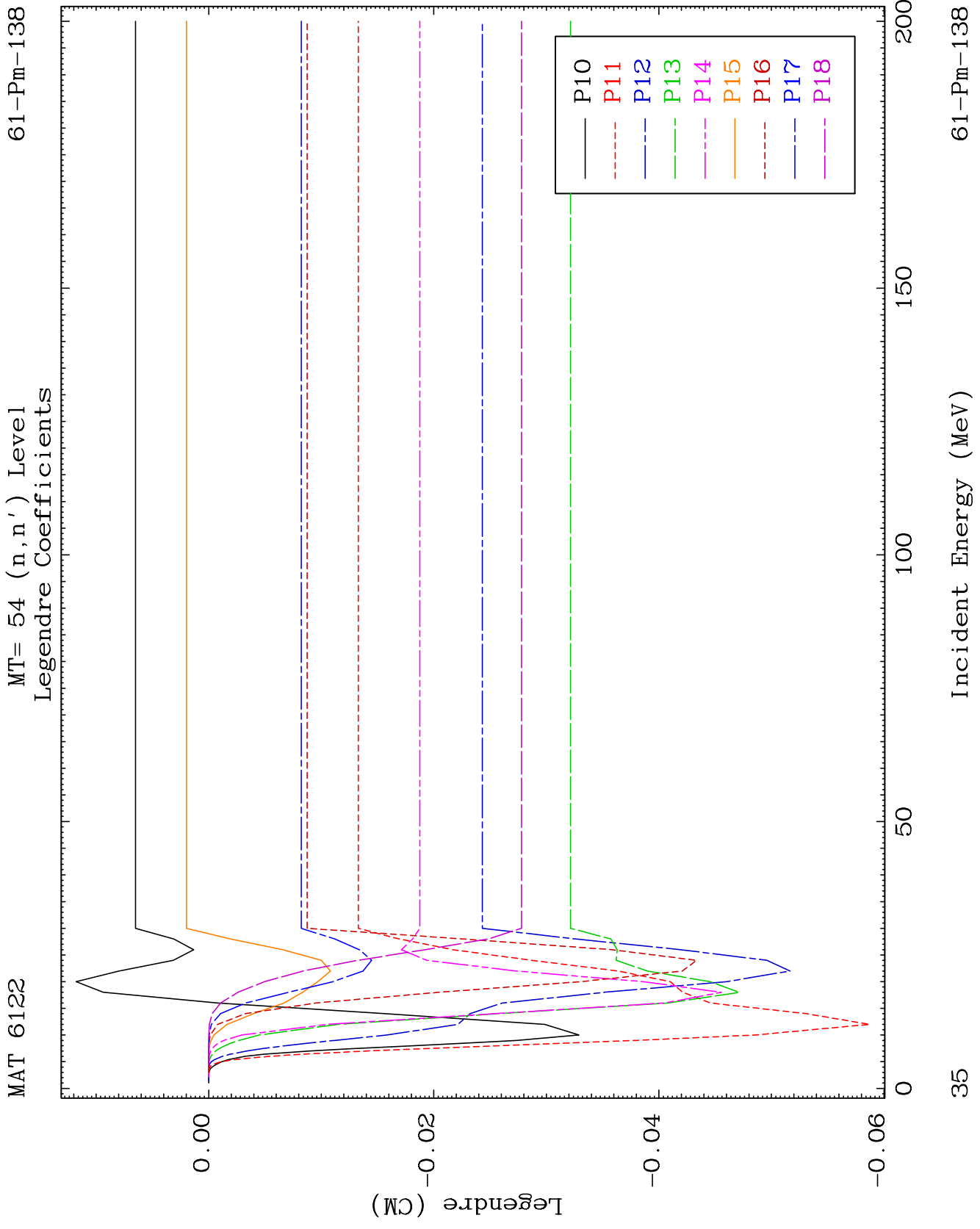
MAT 6122

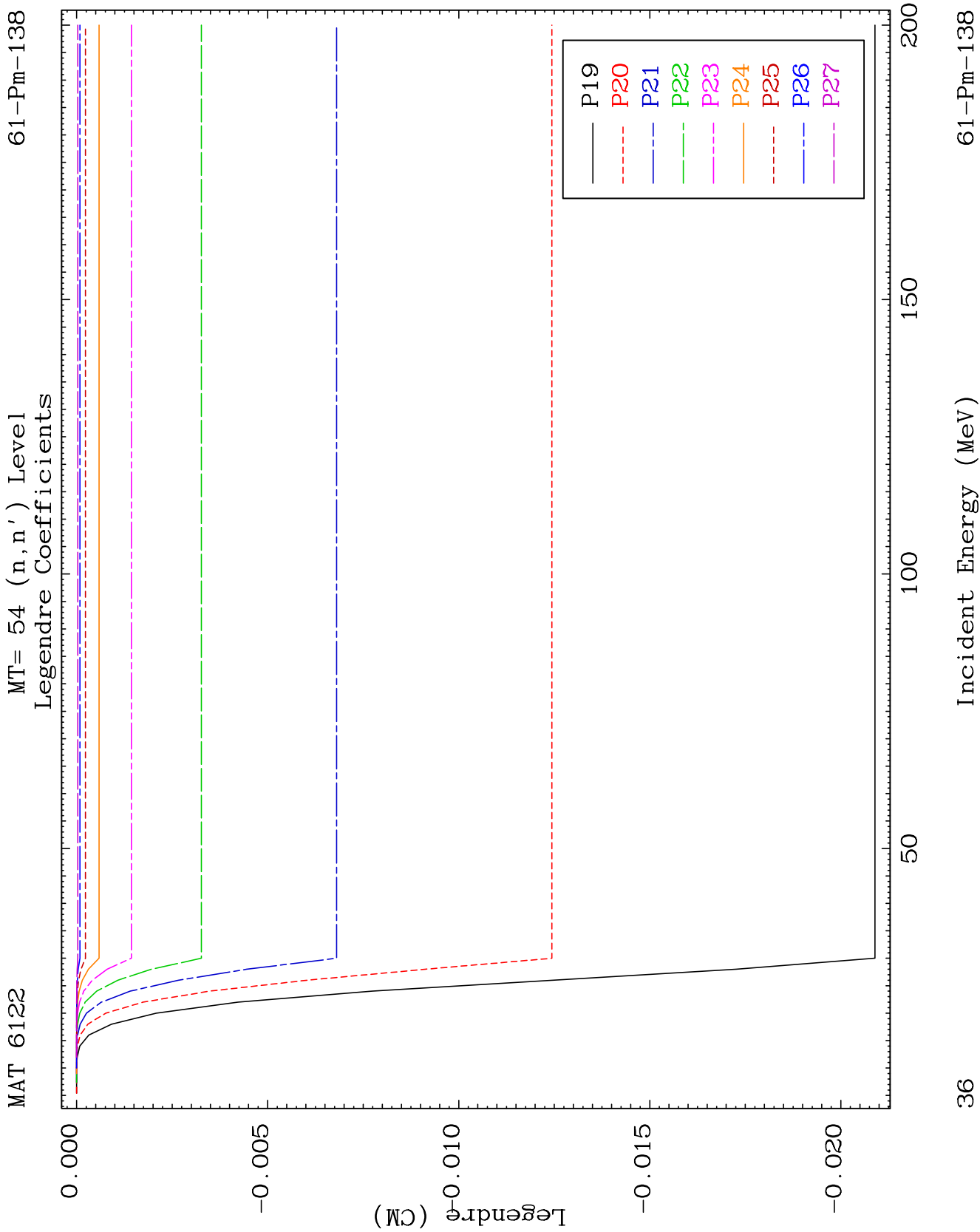
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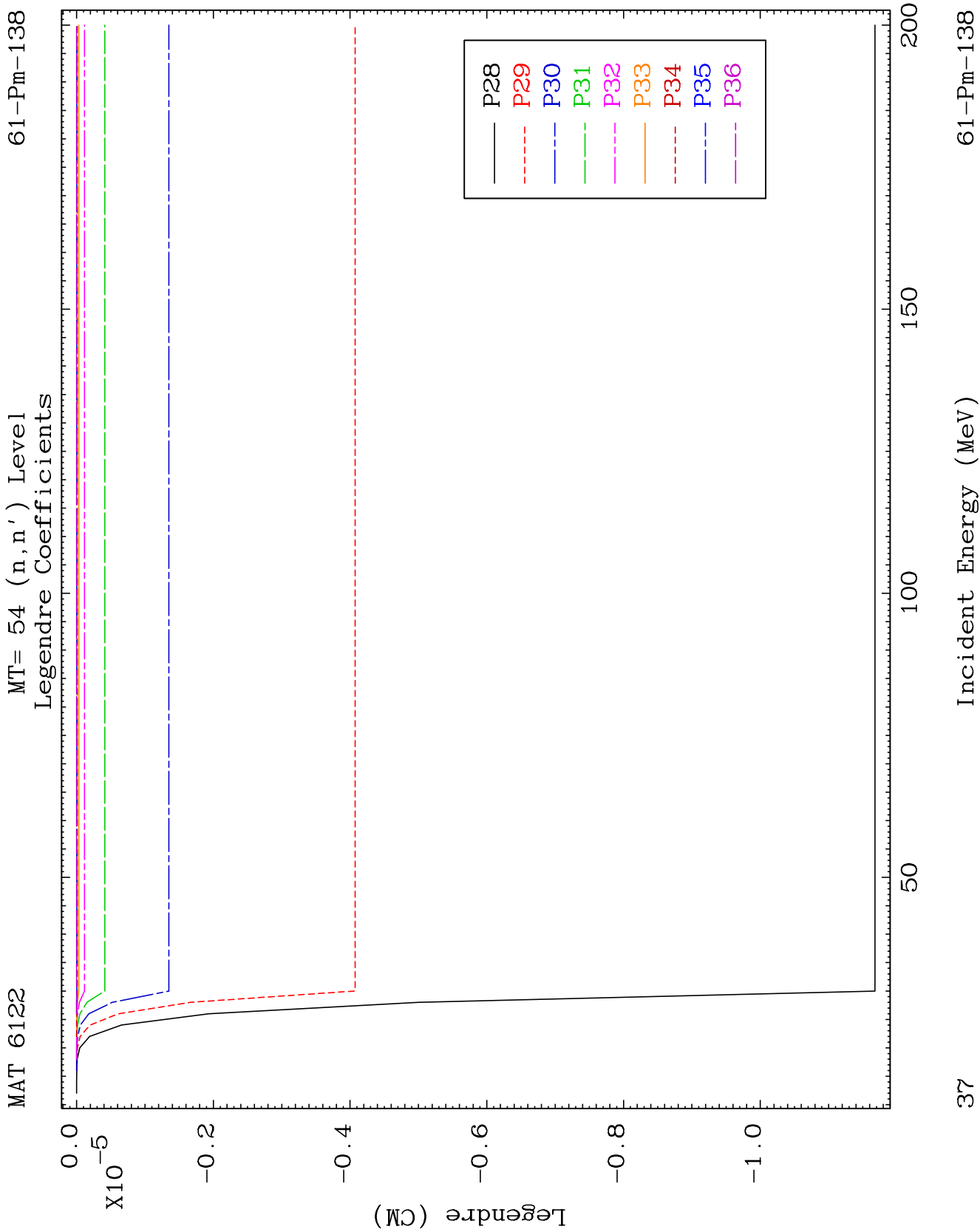
MT= 53 (n, n') Level
Legendre Coefficients

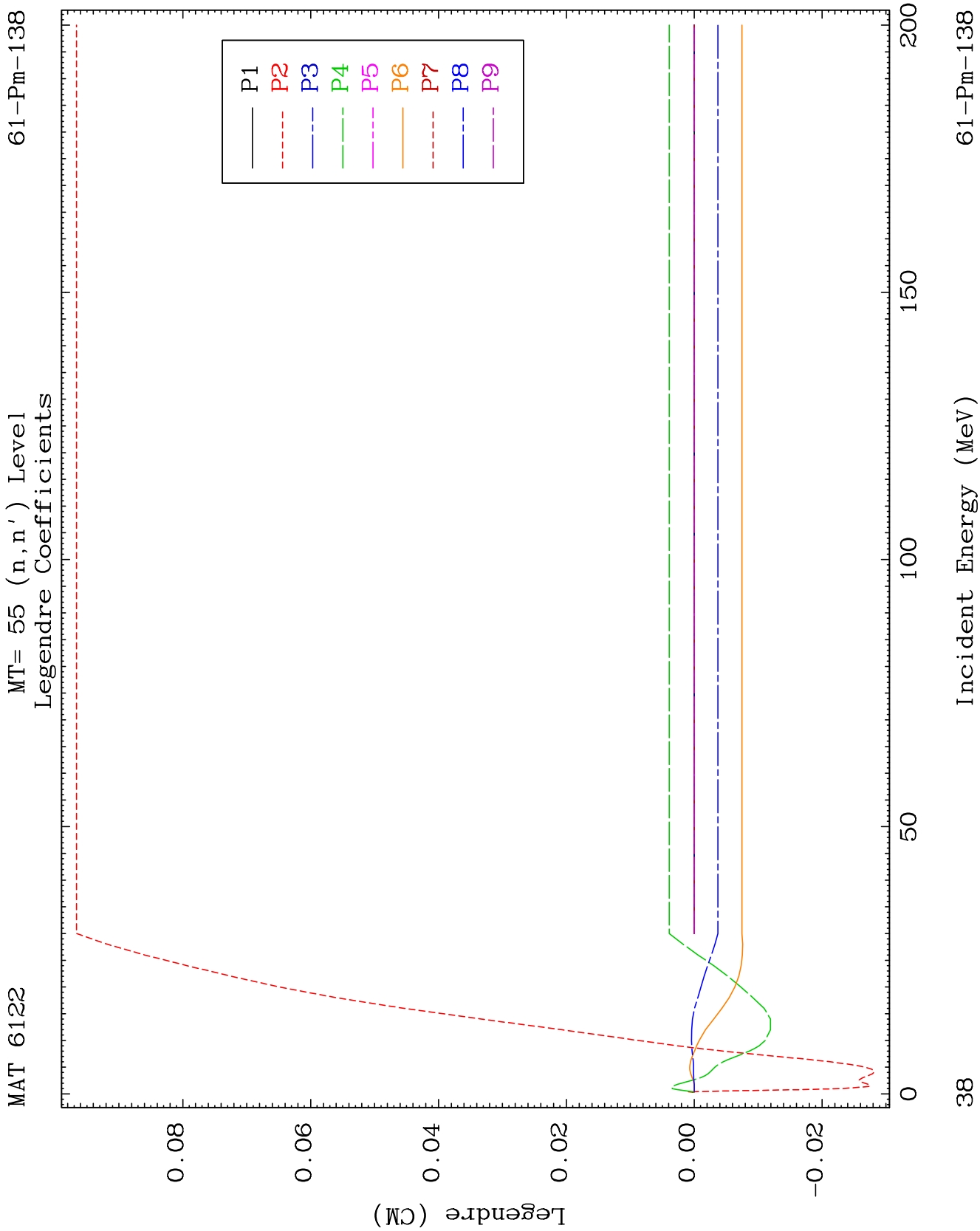


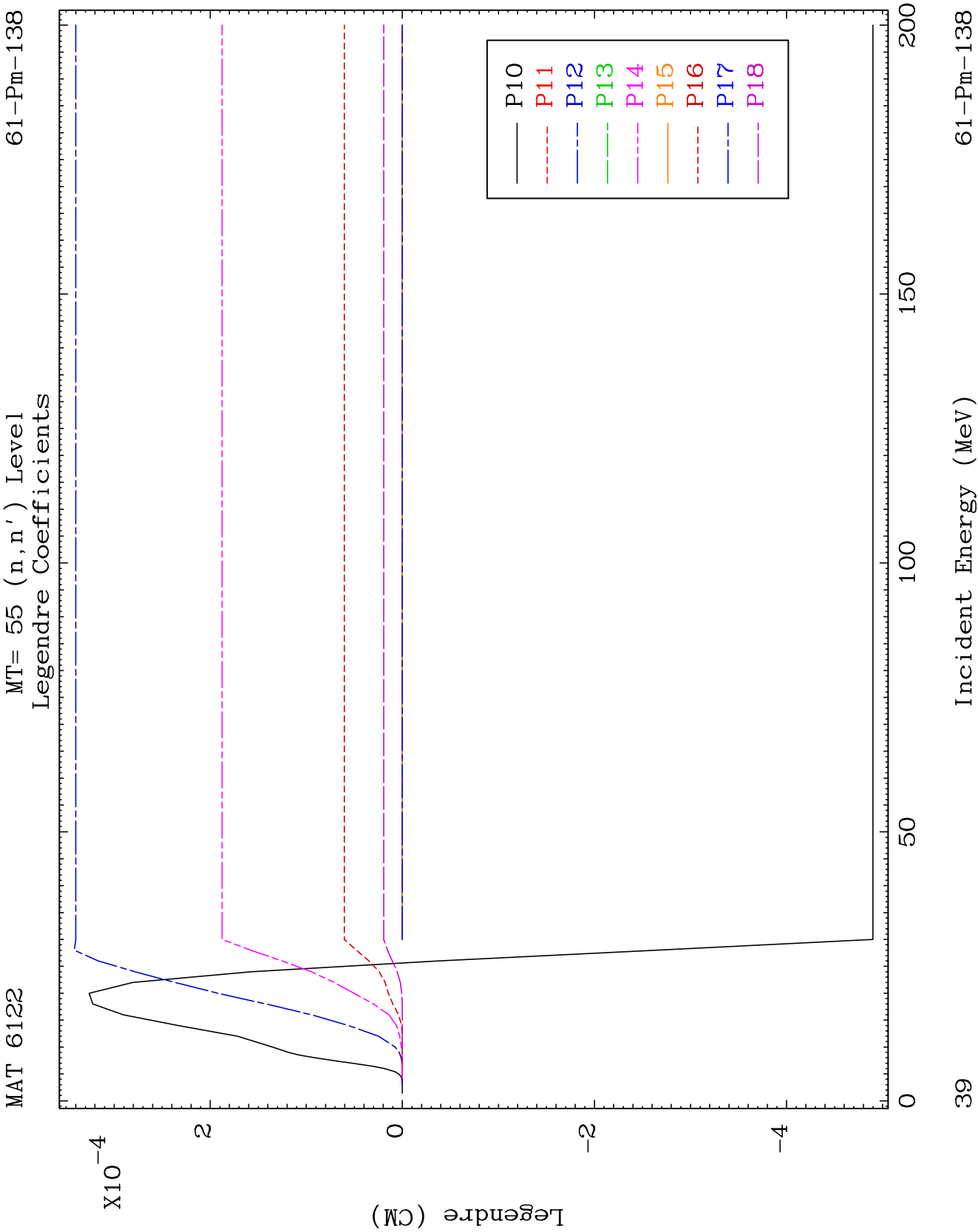








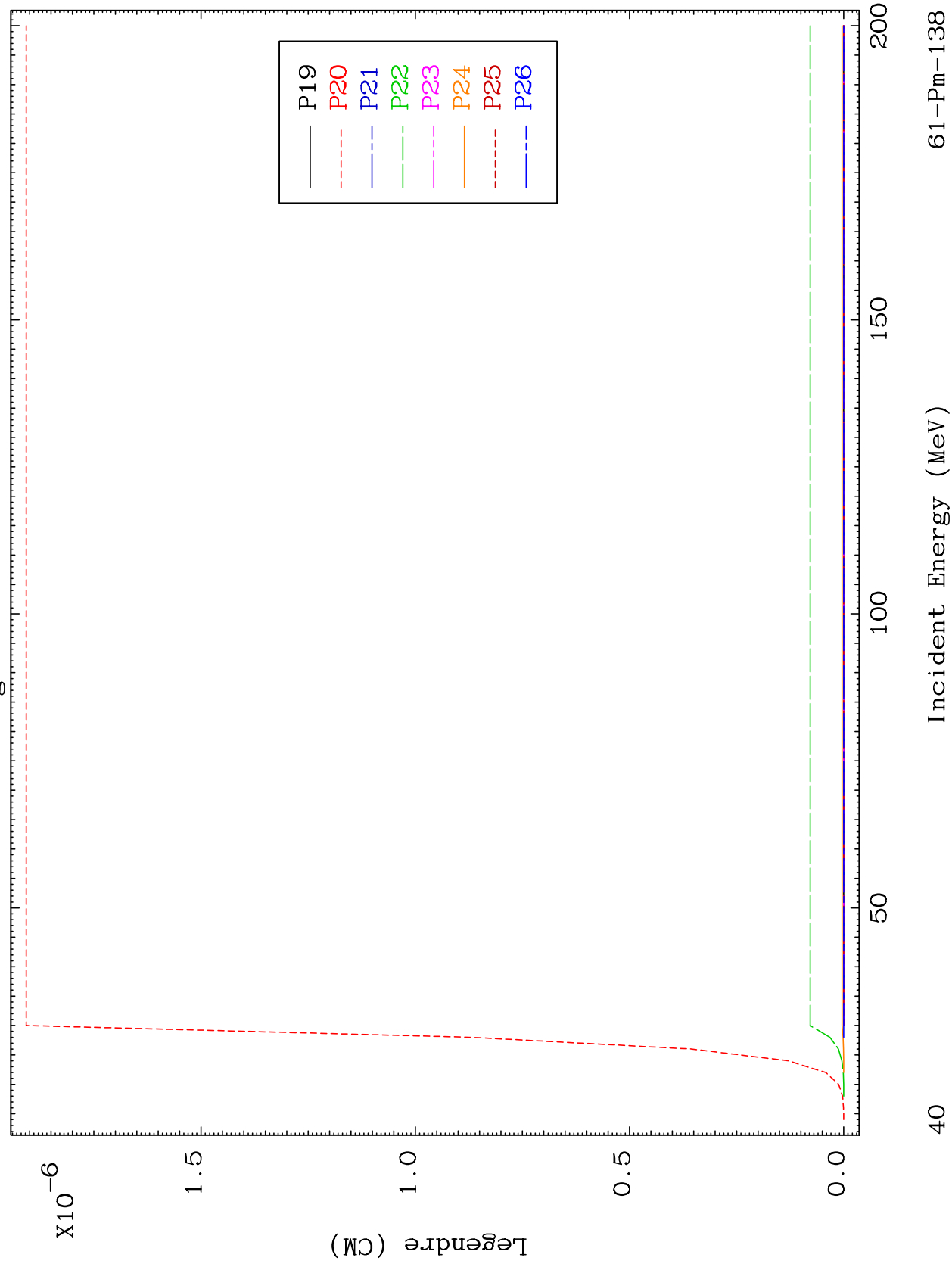


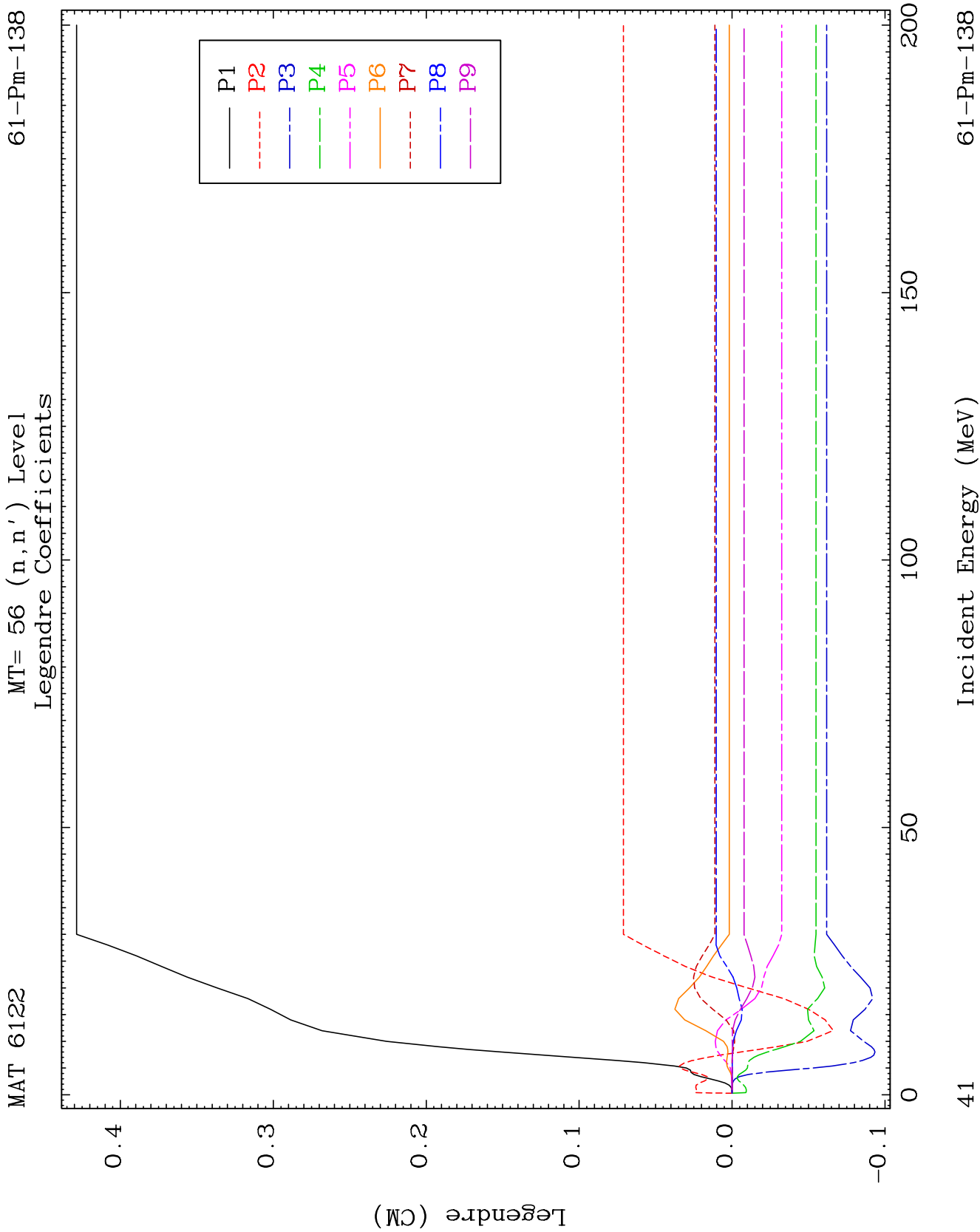


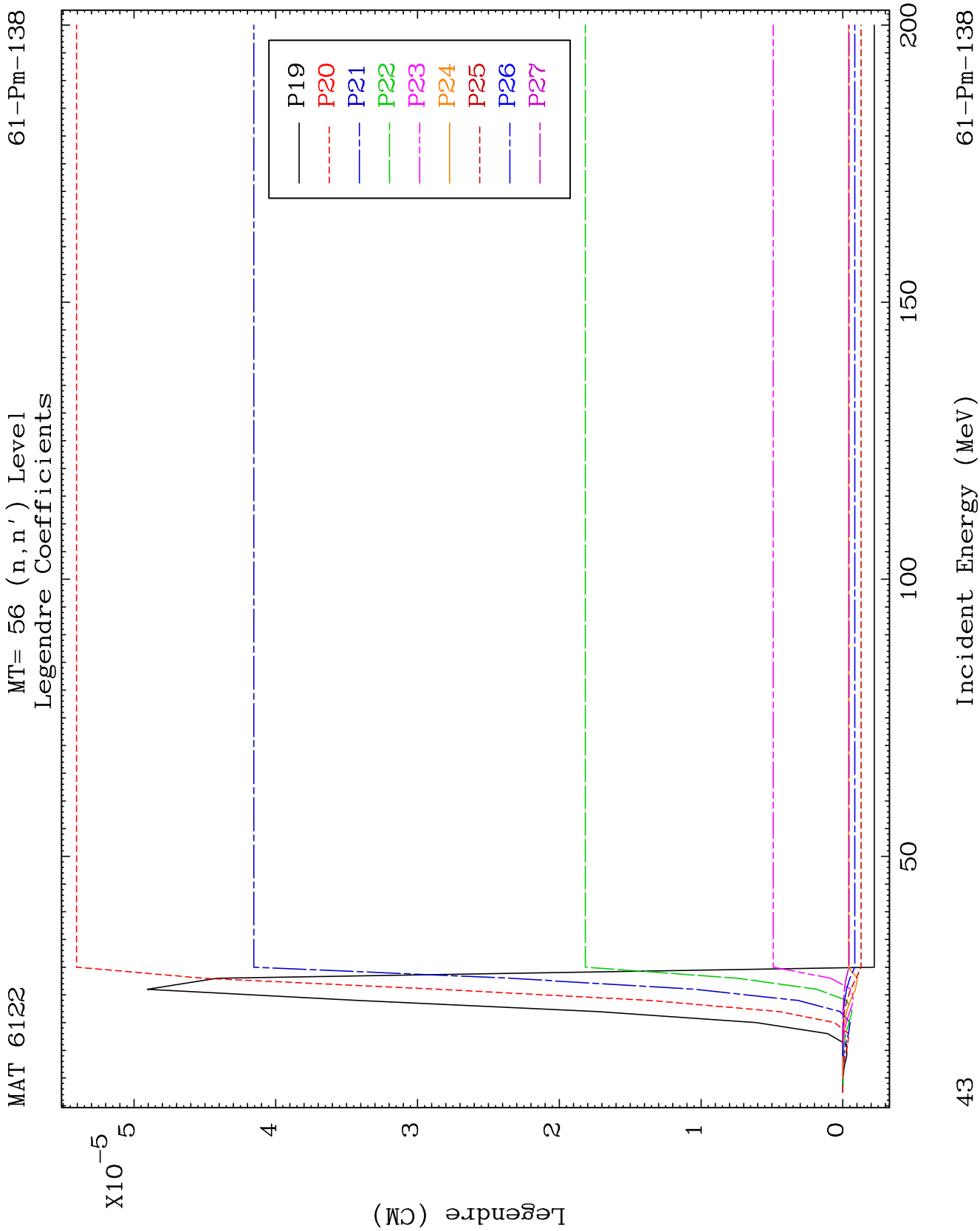
MAT 6122

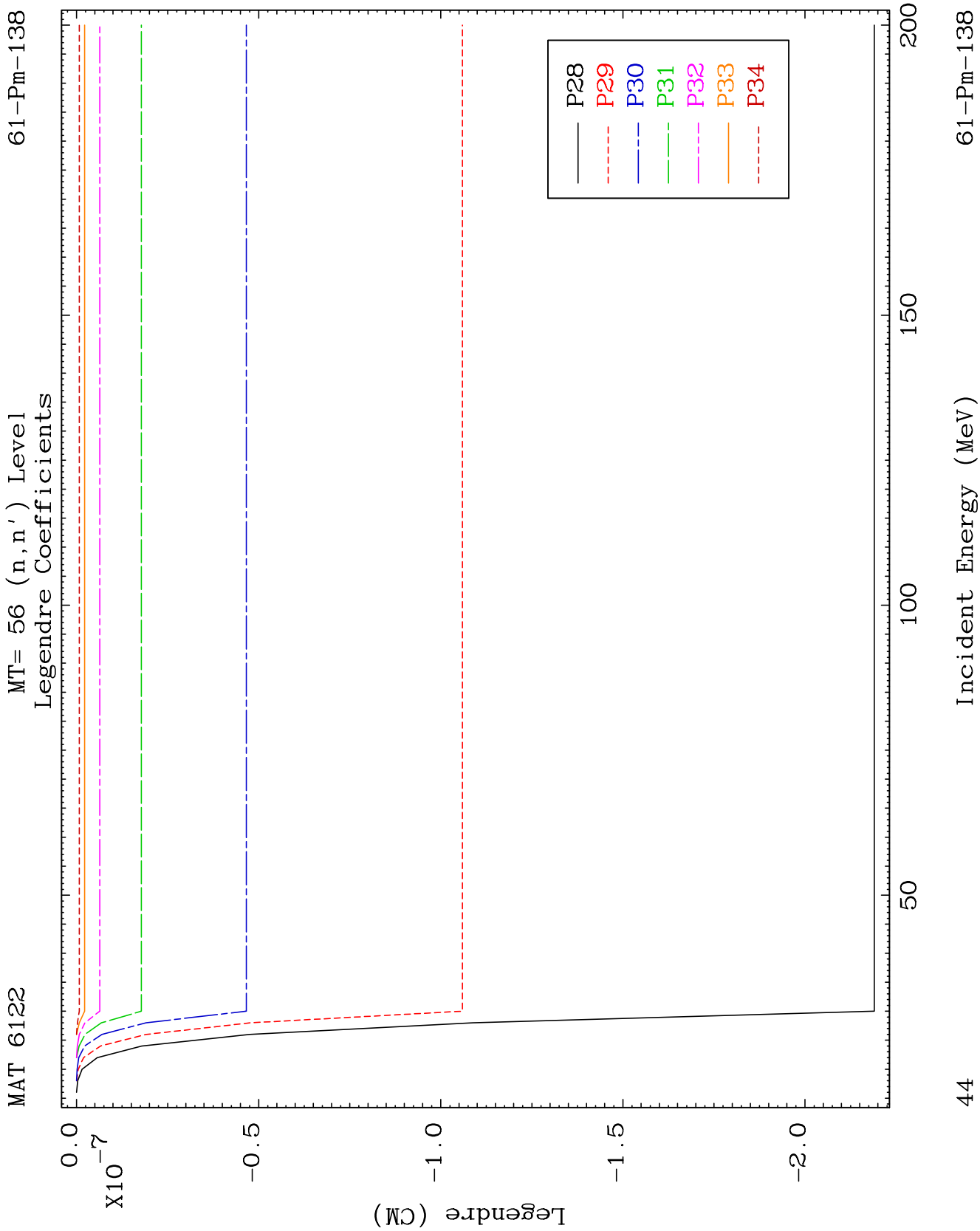
MT= 55 (n, n') Level
Legendre Coefficients

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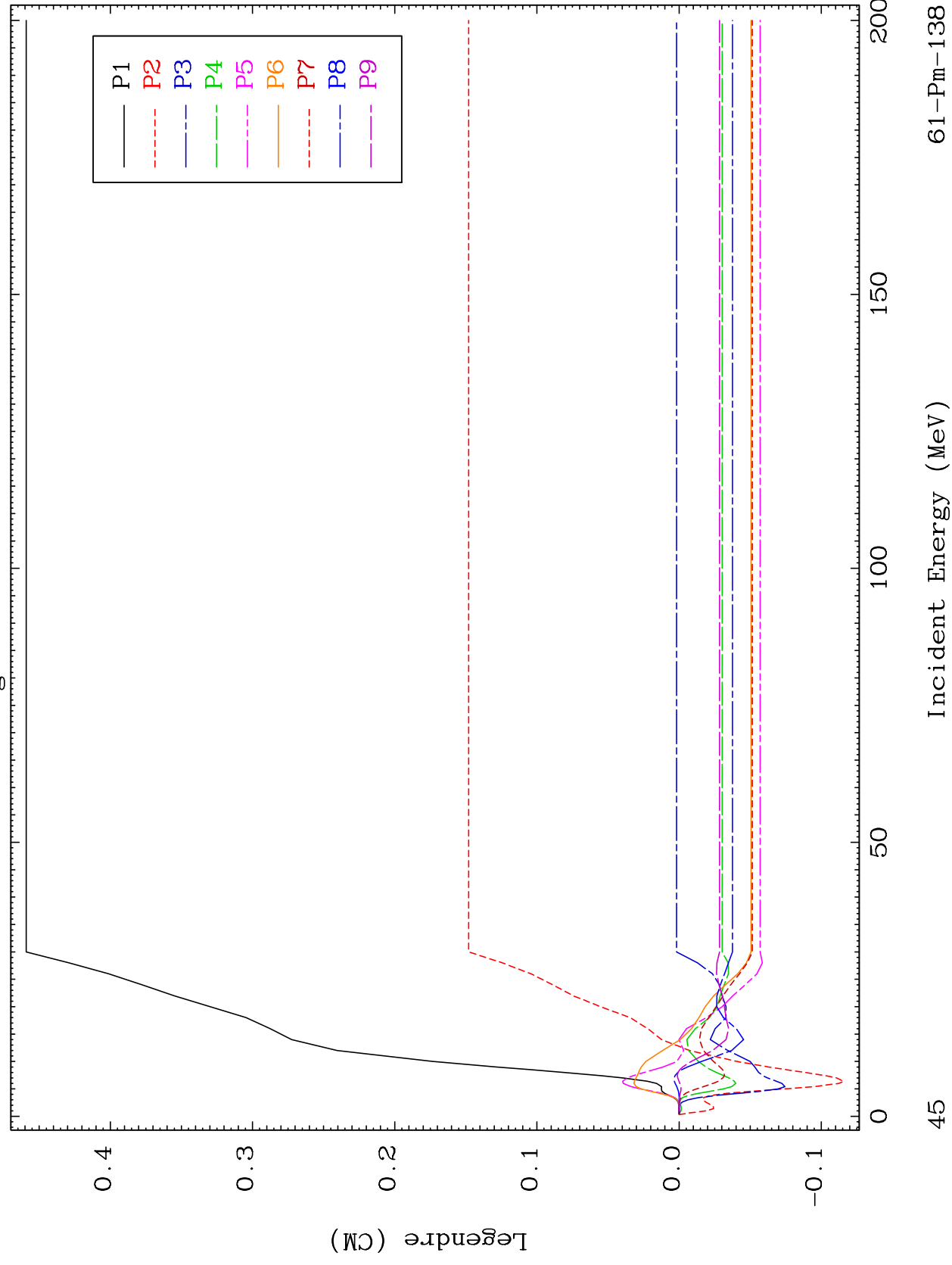




MAT 6122

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

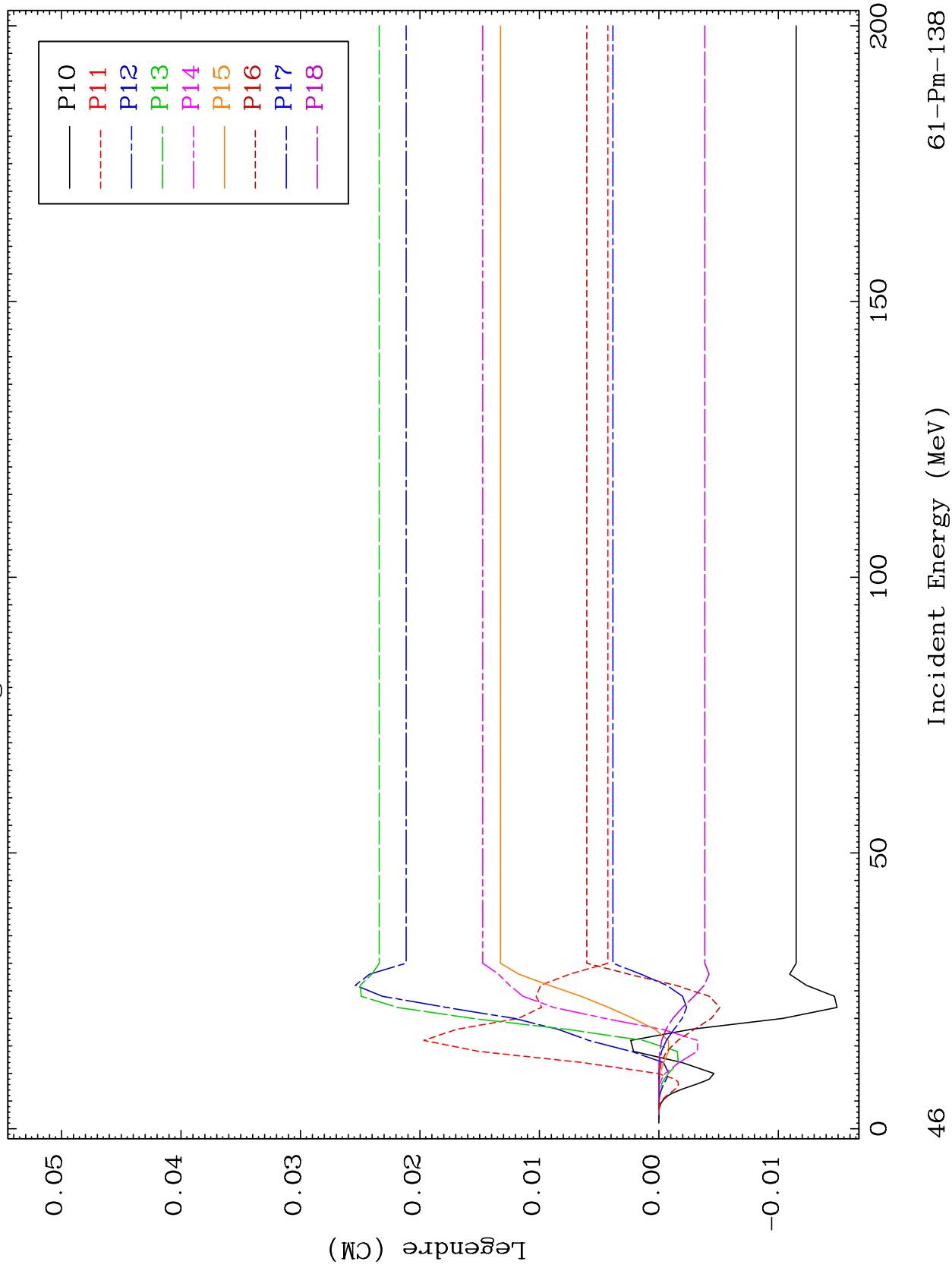
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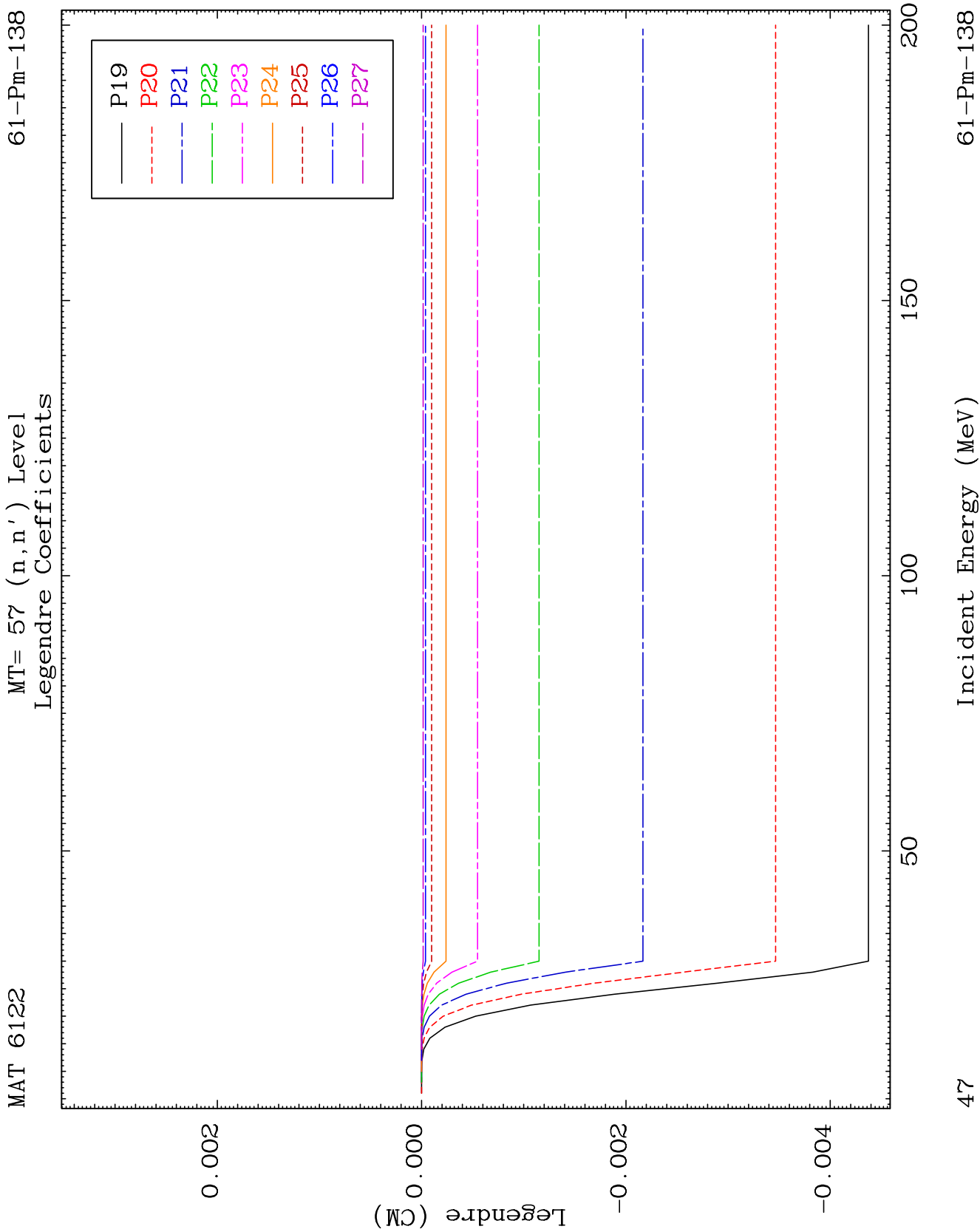


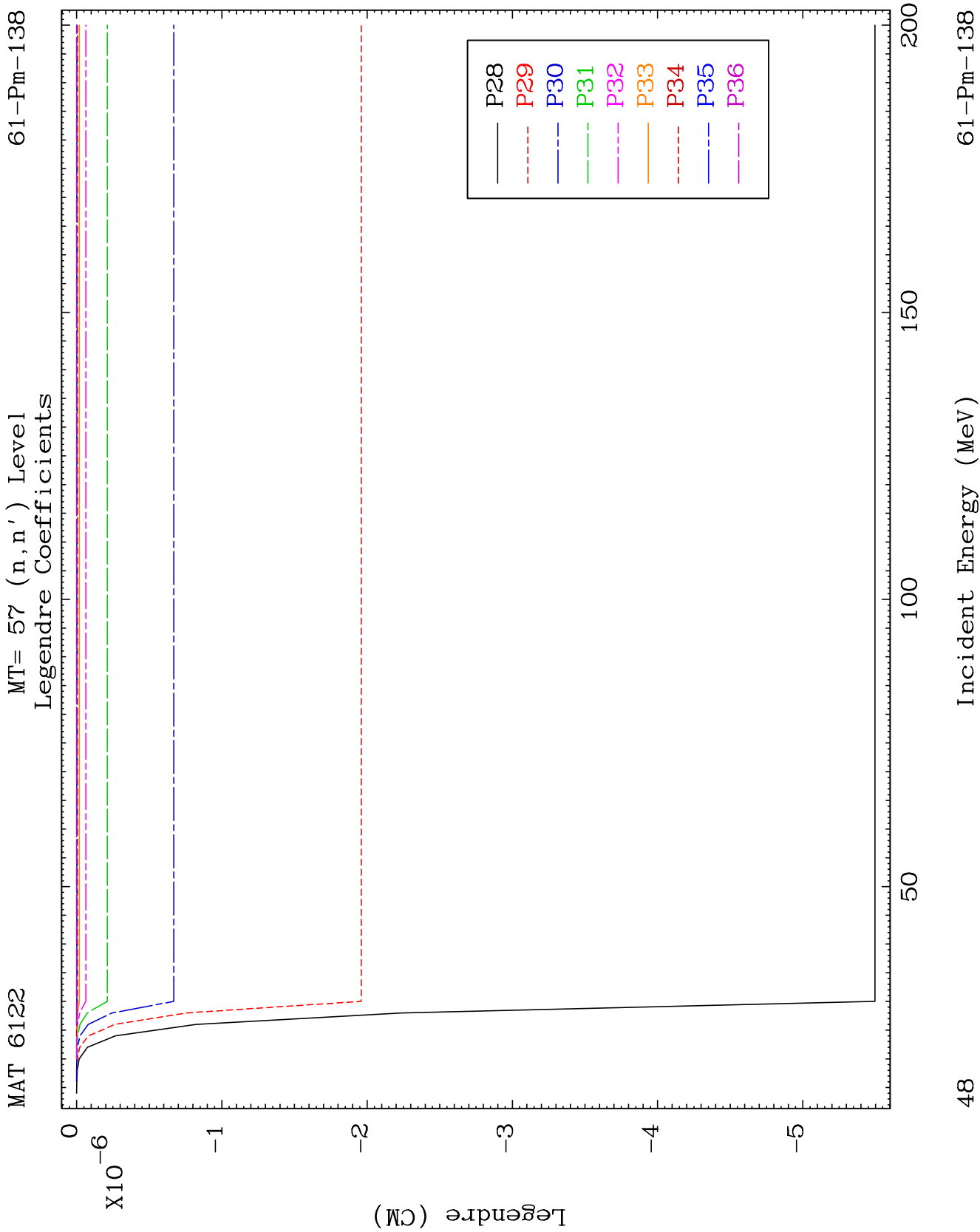
MAT 6122

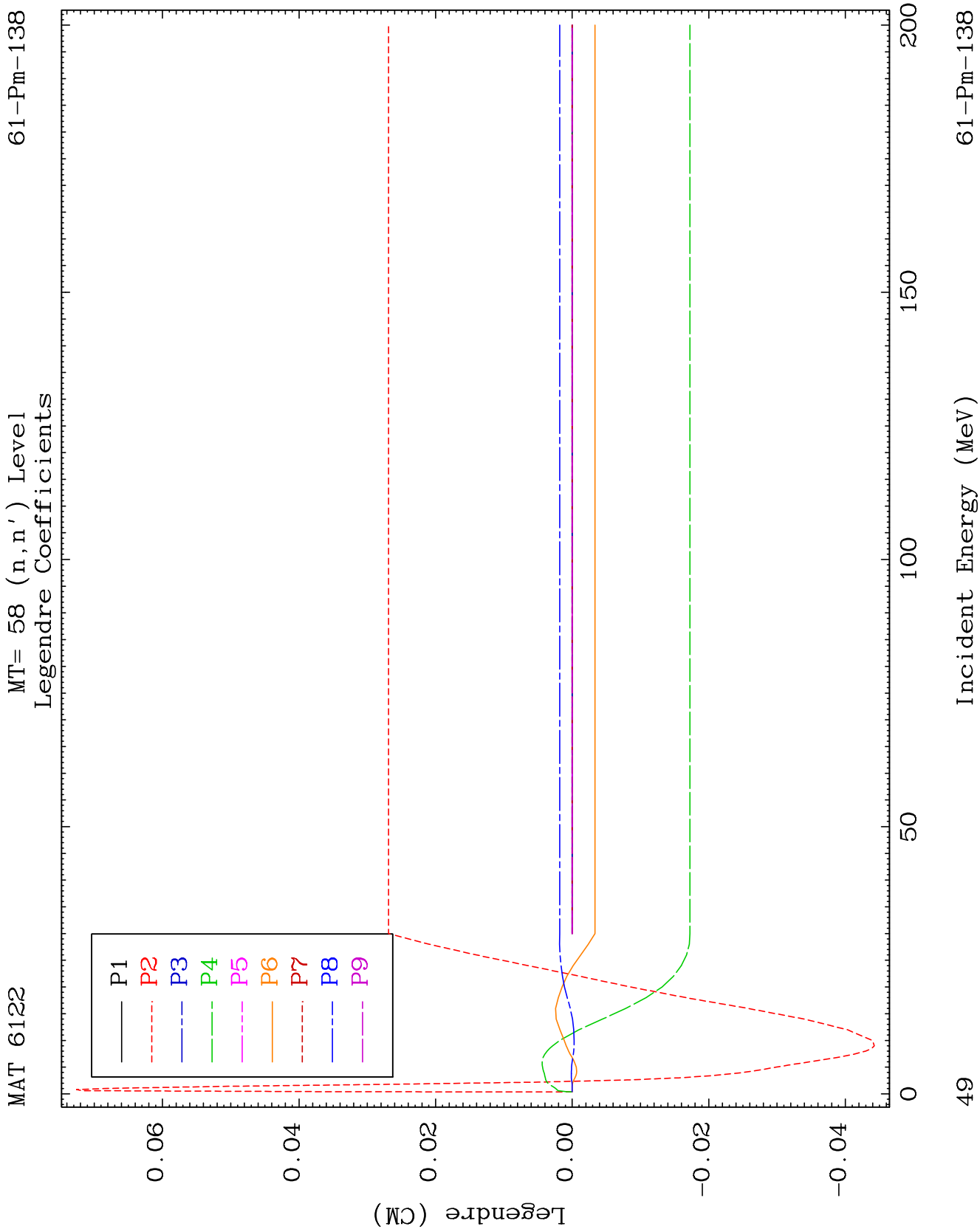
MT= 57 (n, n') Level
Legendre Coefficients

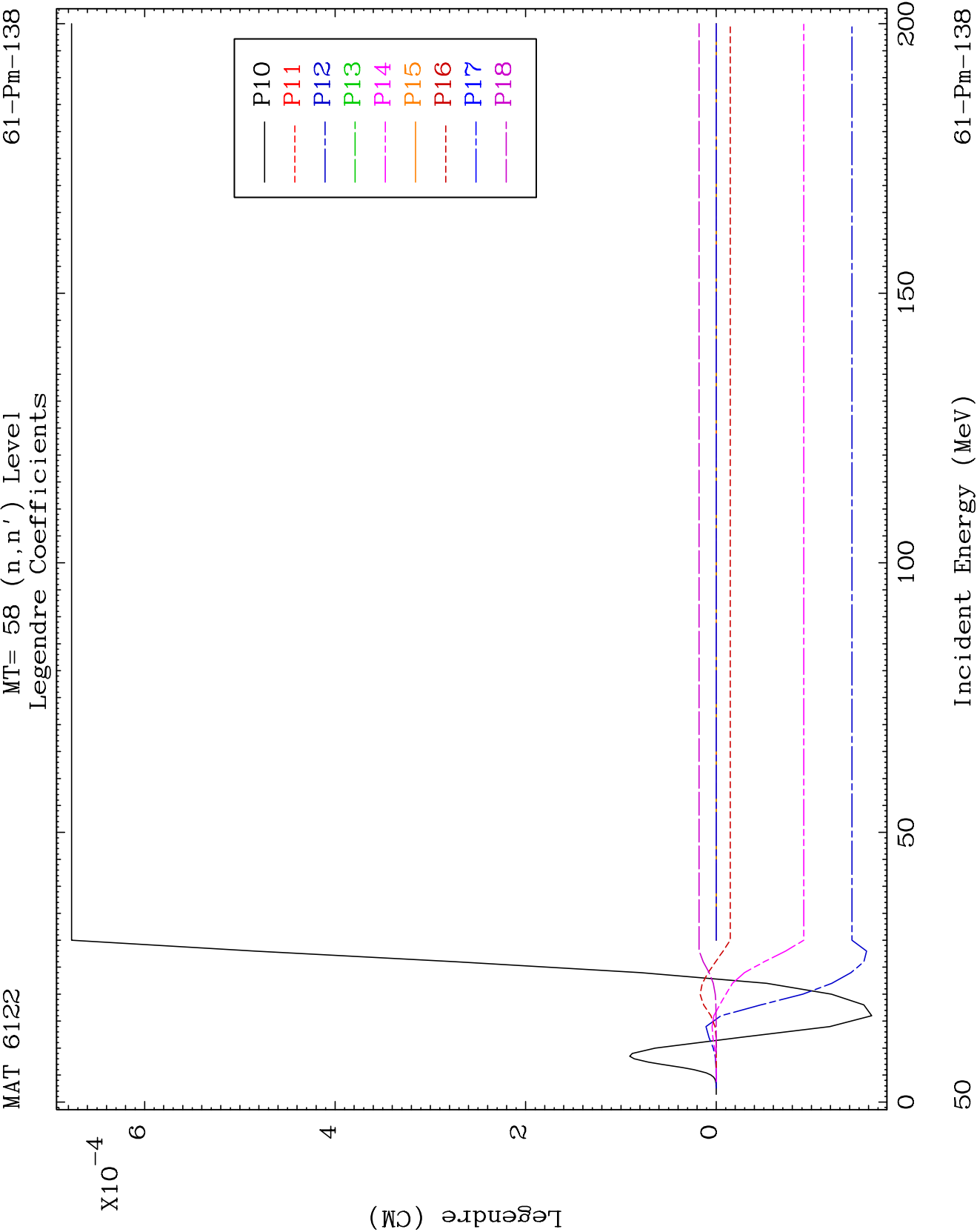
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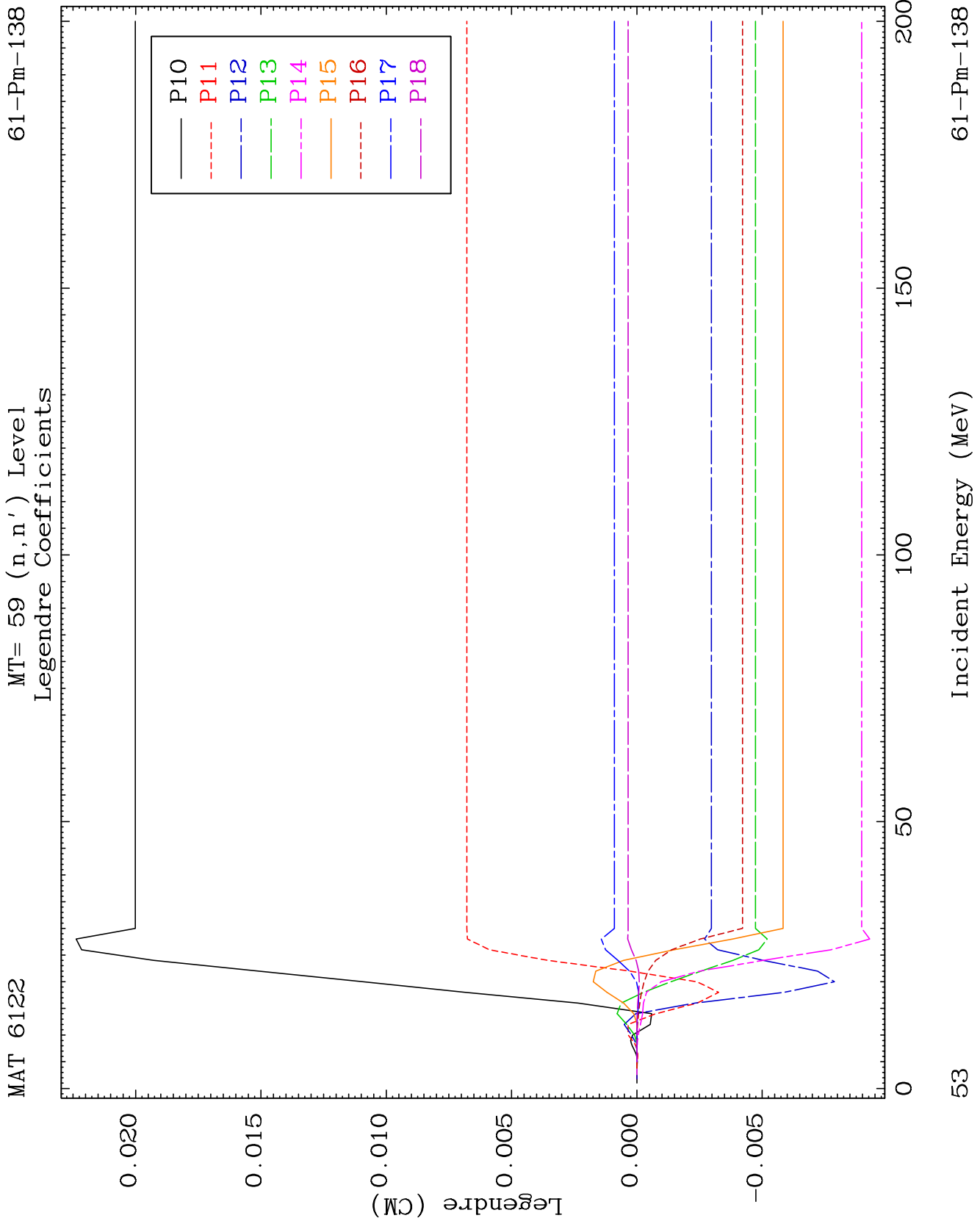


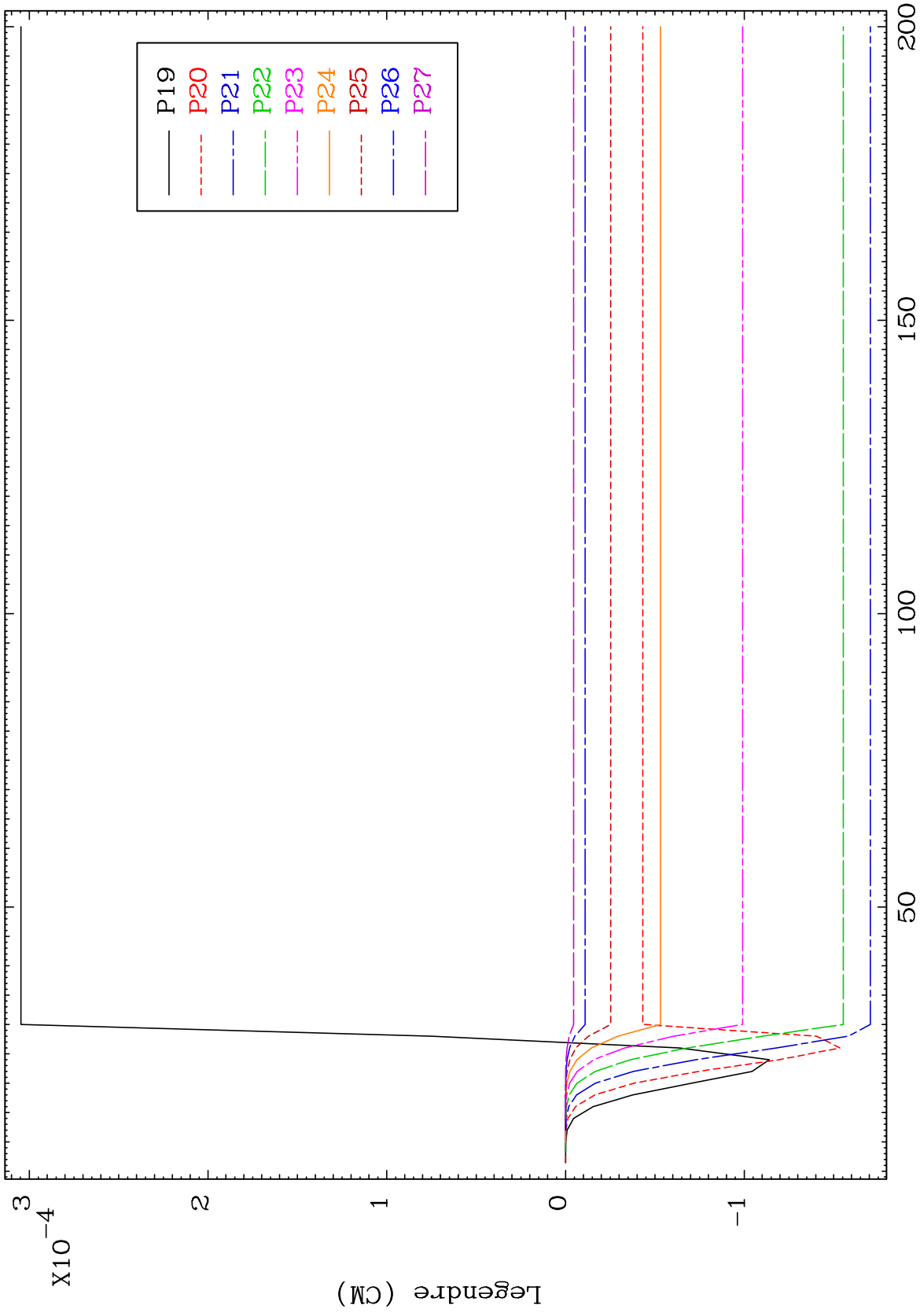


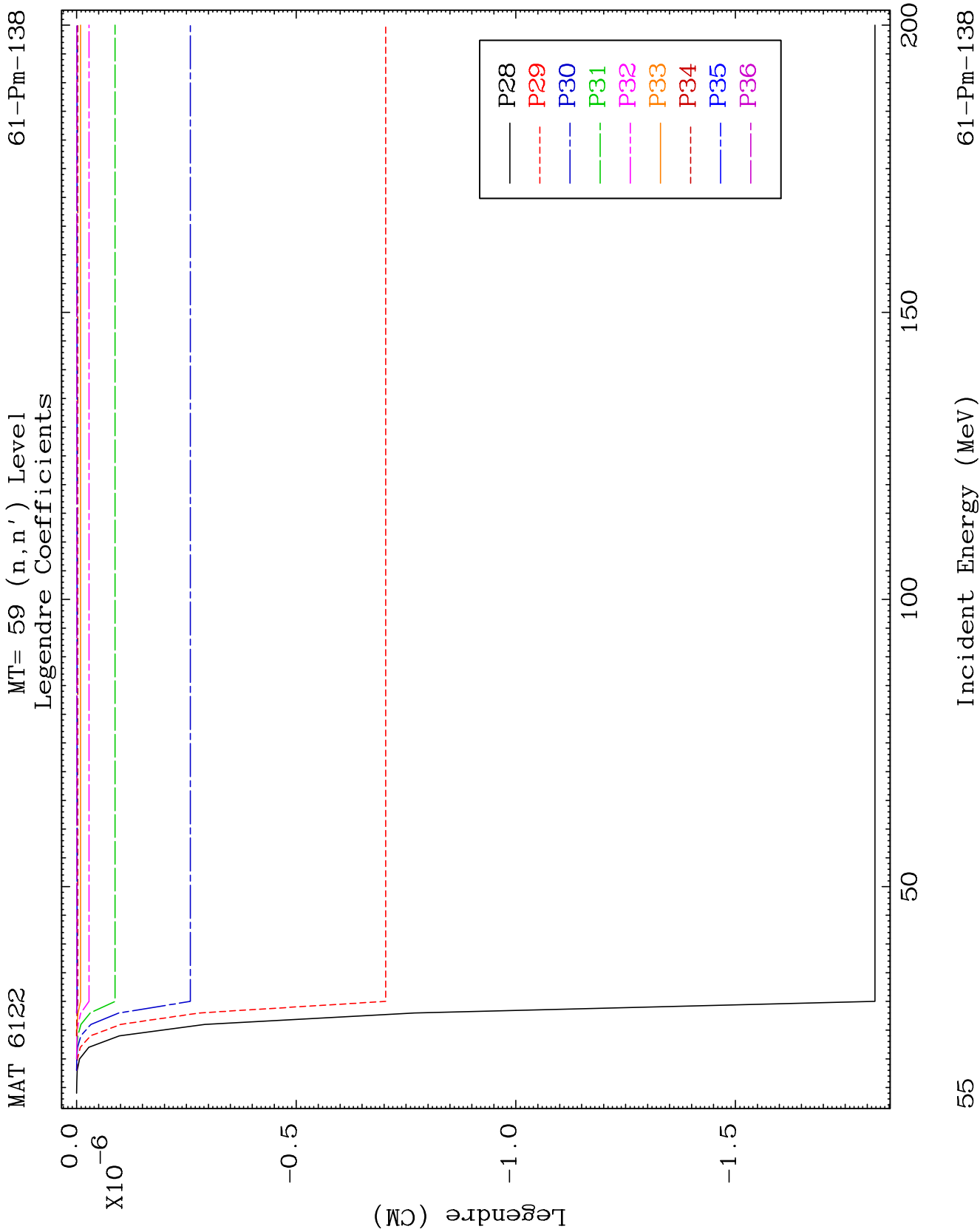








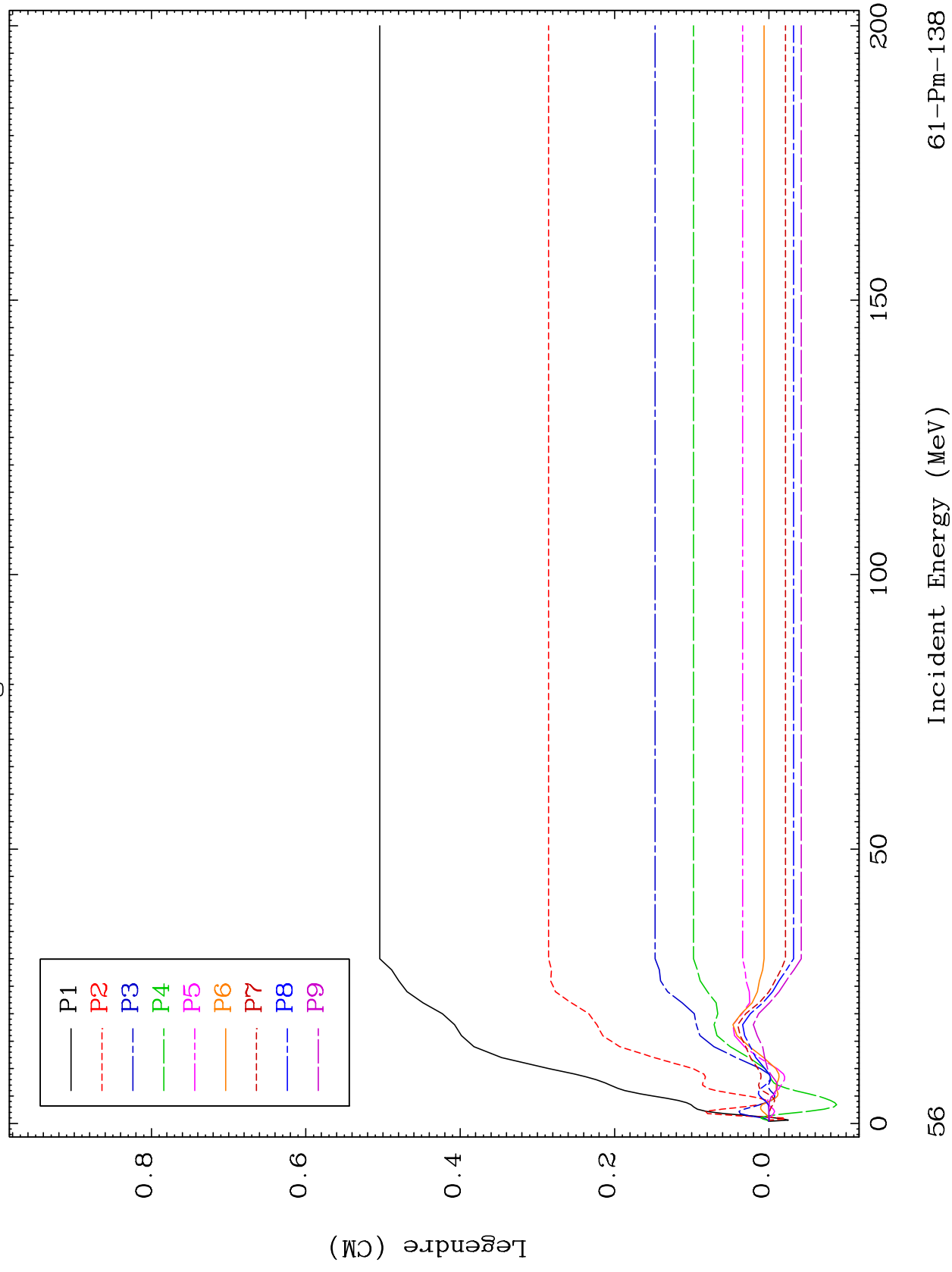




MAT 6122

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

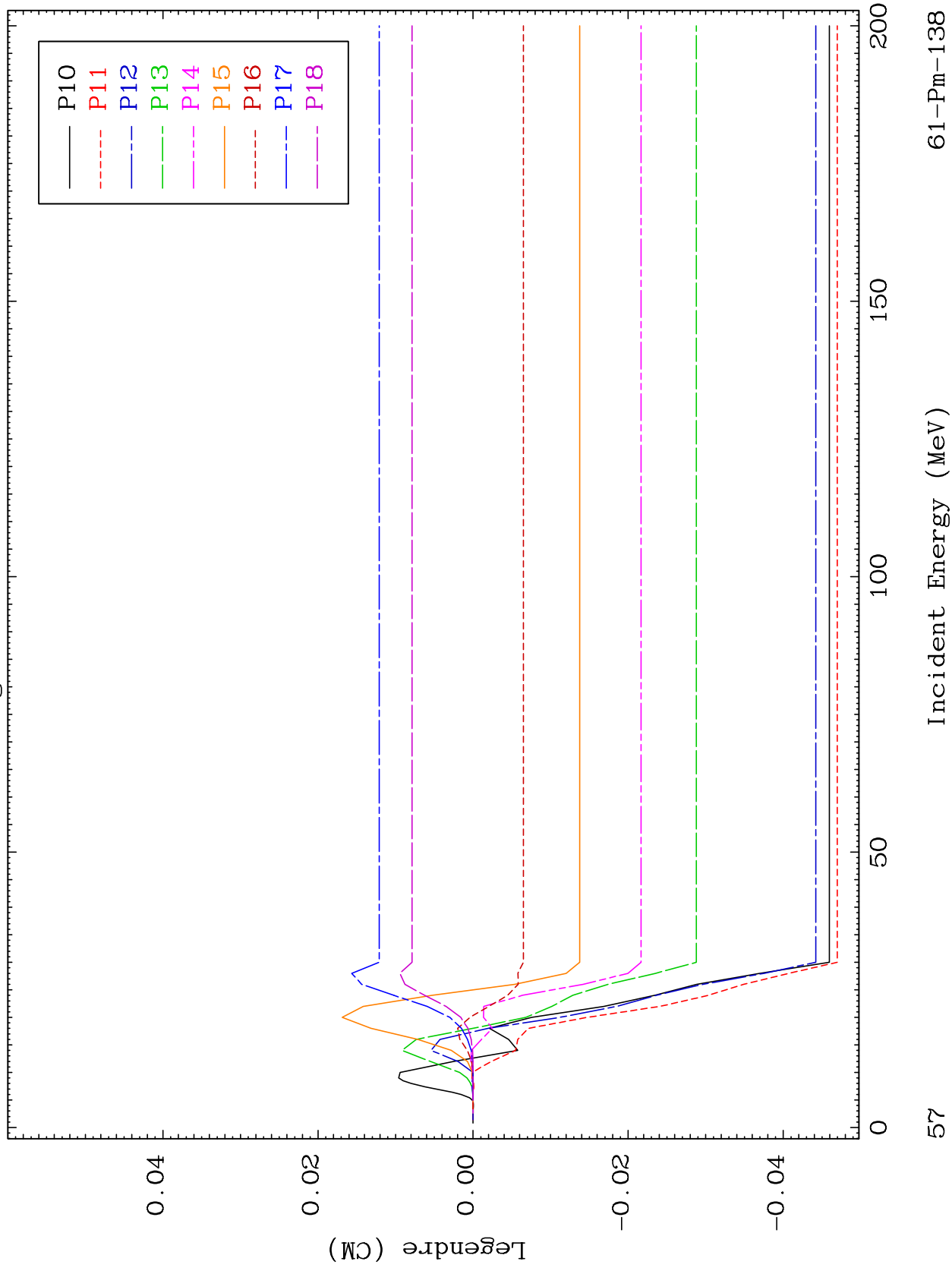
61-Pm-138



MAT 6122

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

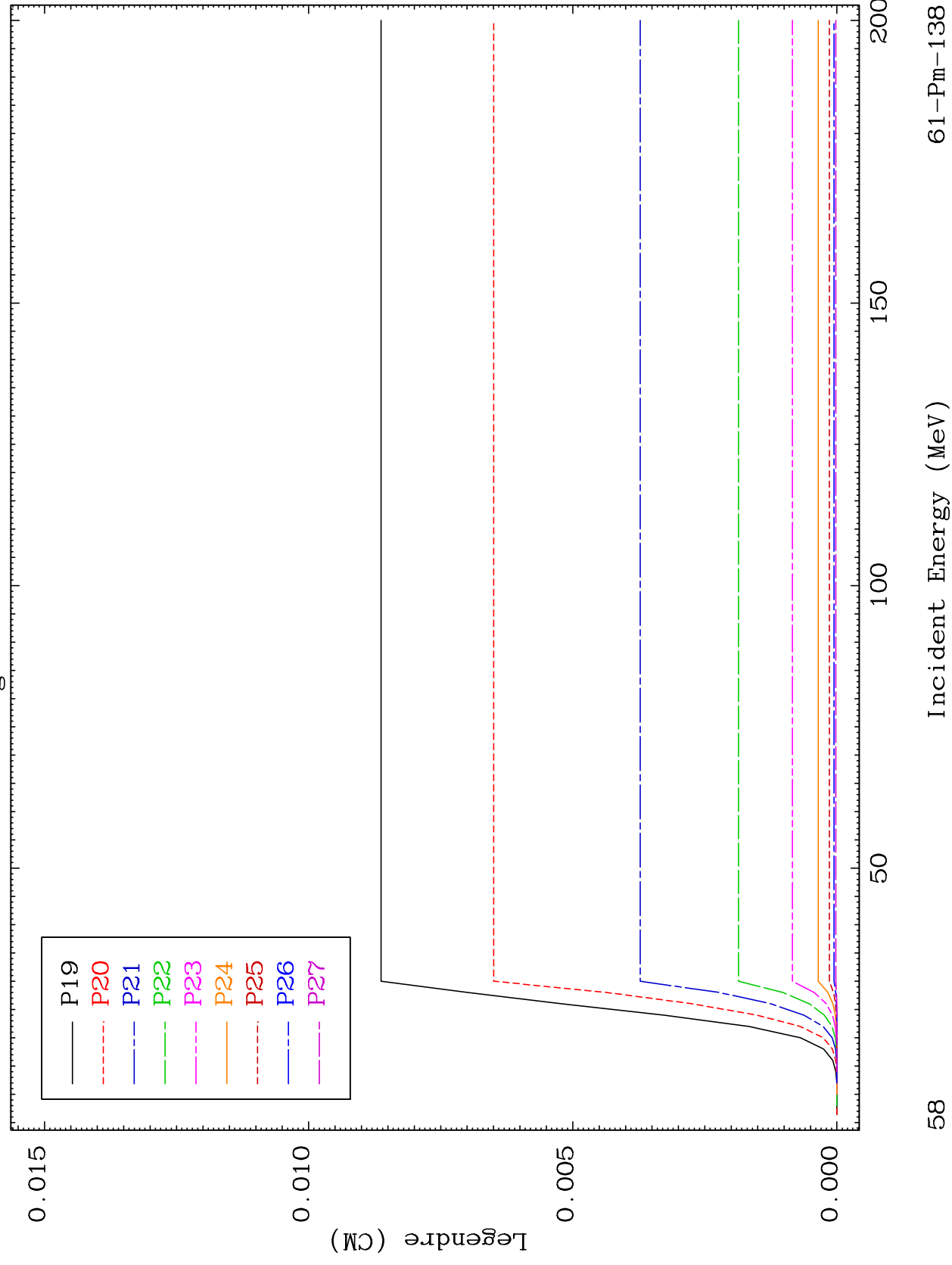
61-Pm-138



MAT 6122

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

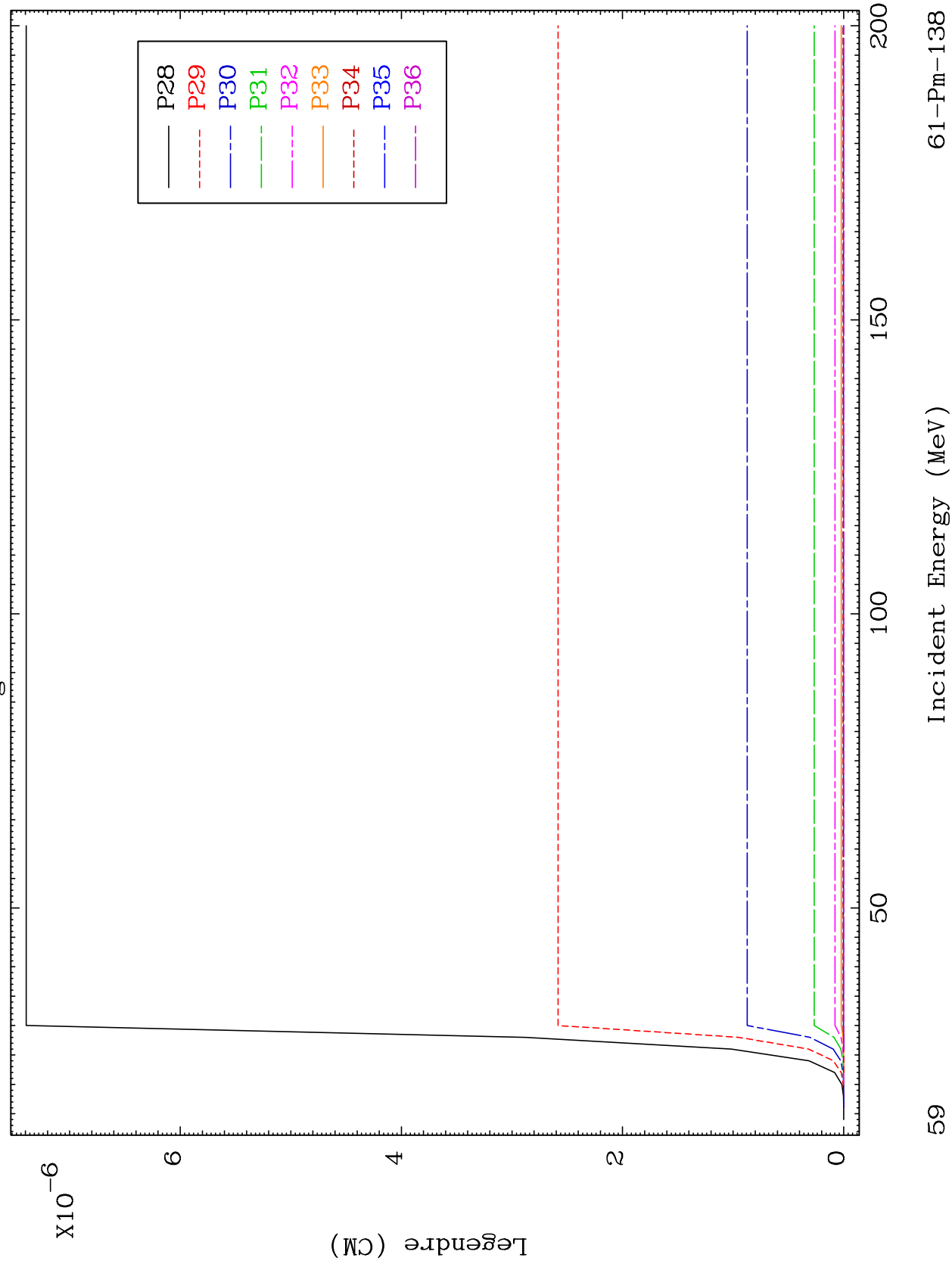
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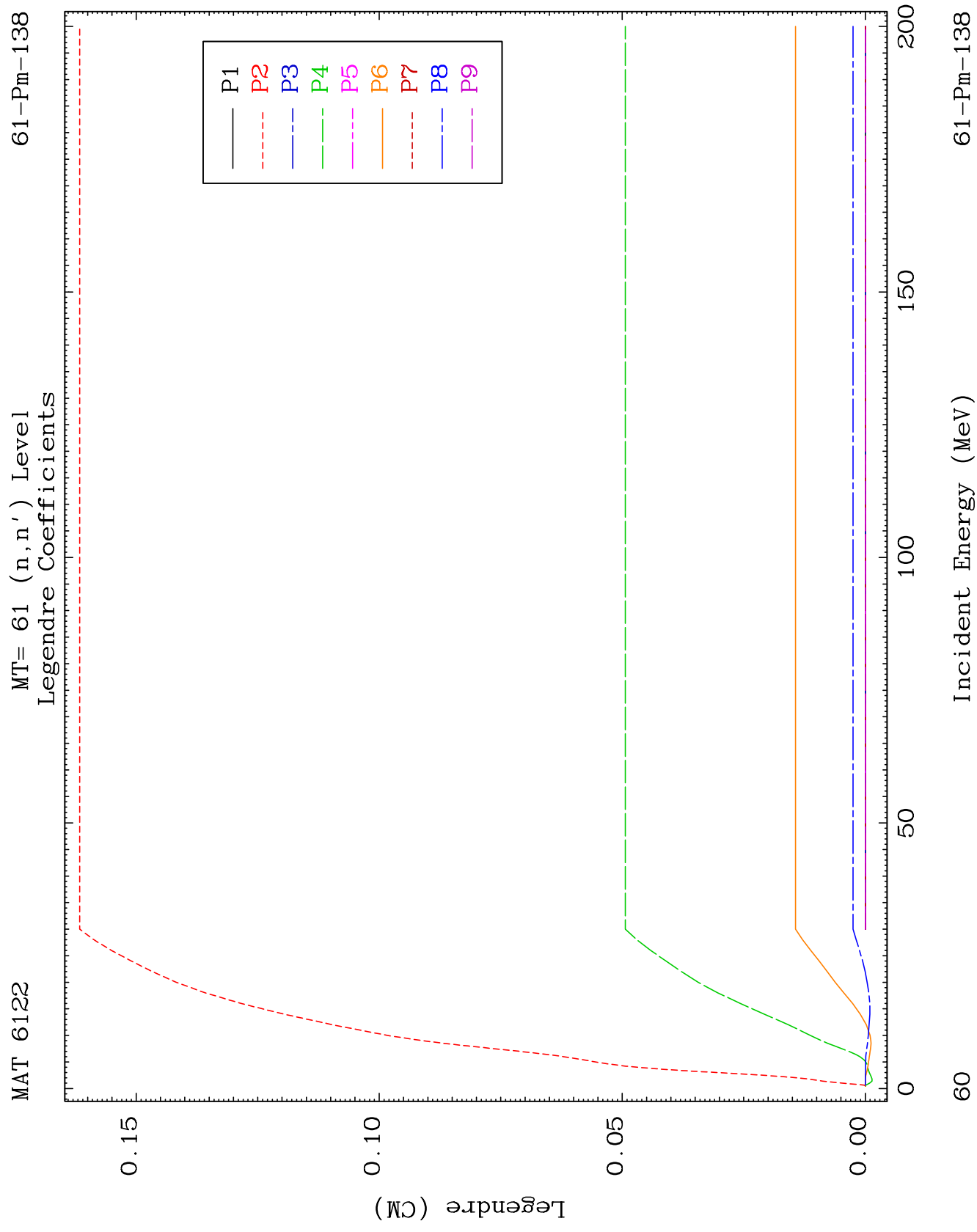


MAT 6122

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

61-Pm-138

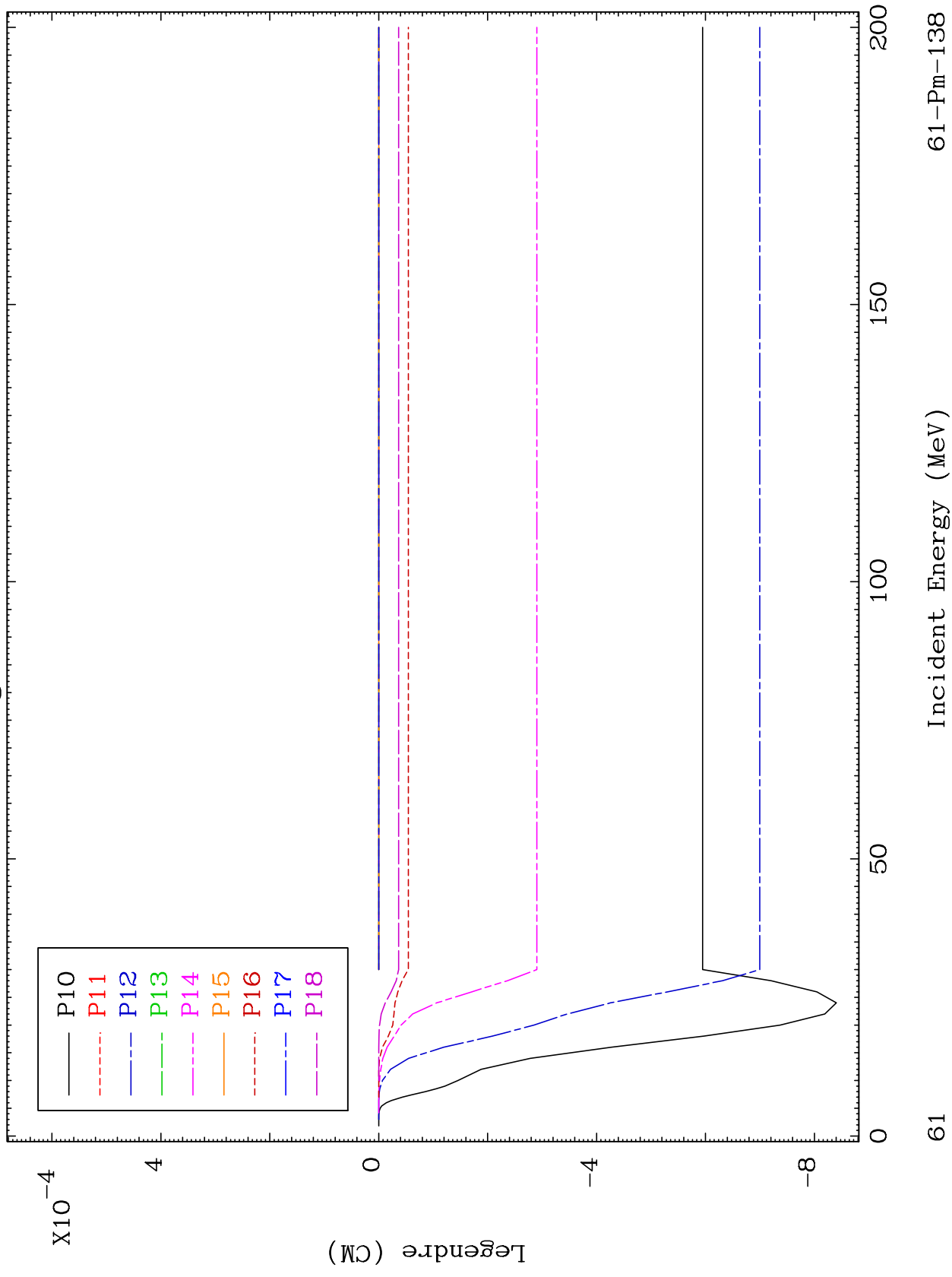


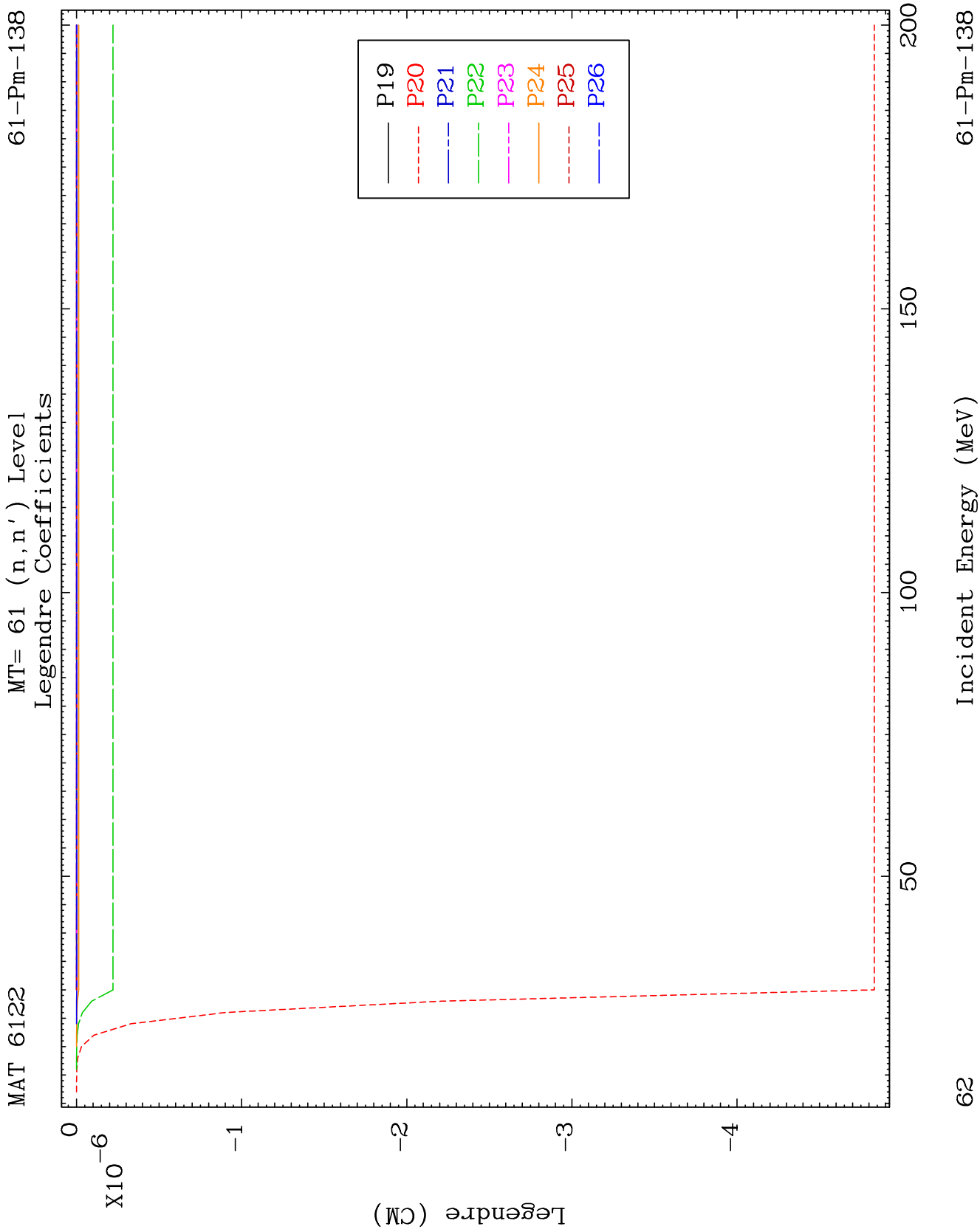


MAT 6122

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

61-Pm-138

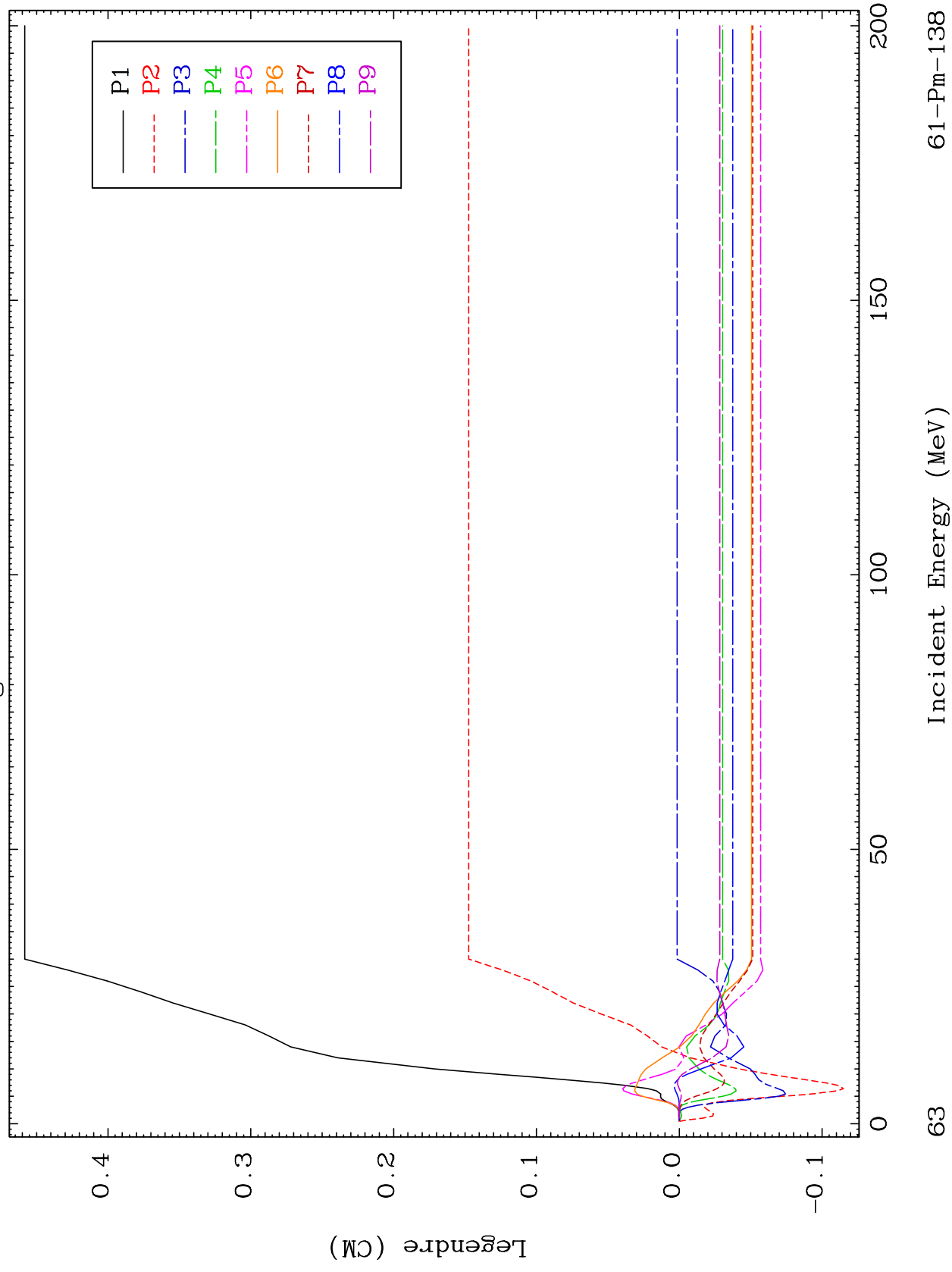




MAT 6122

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

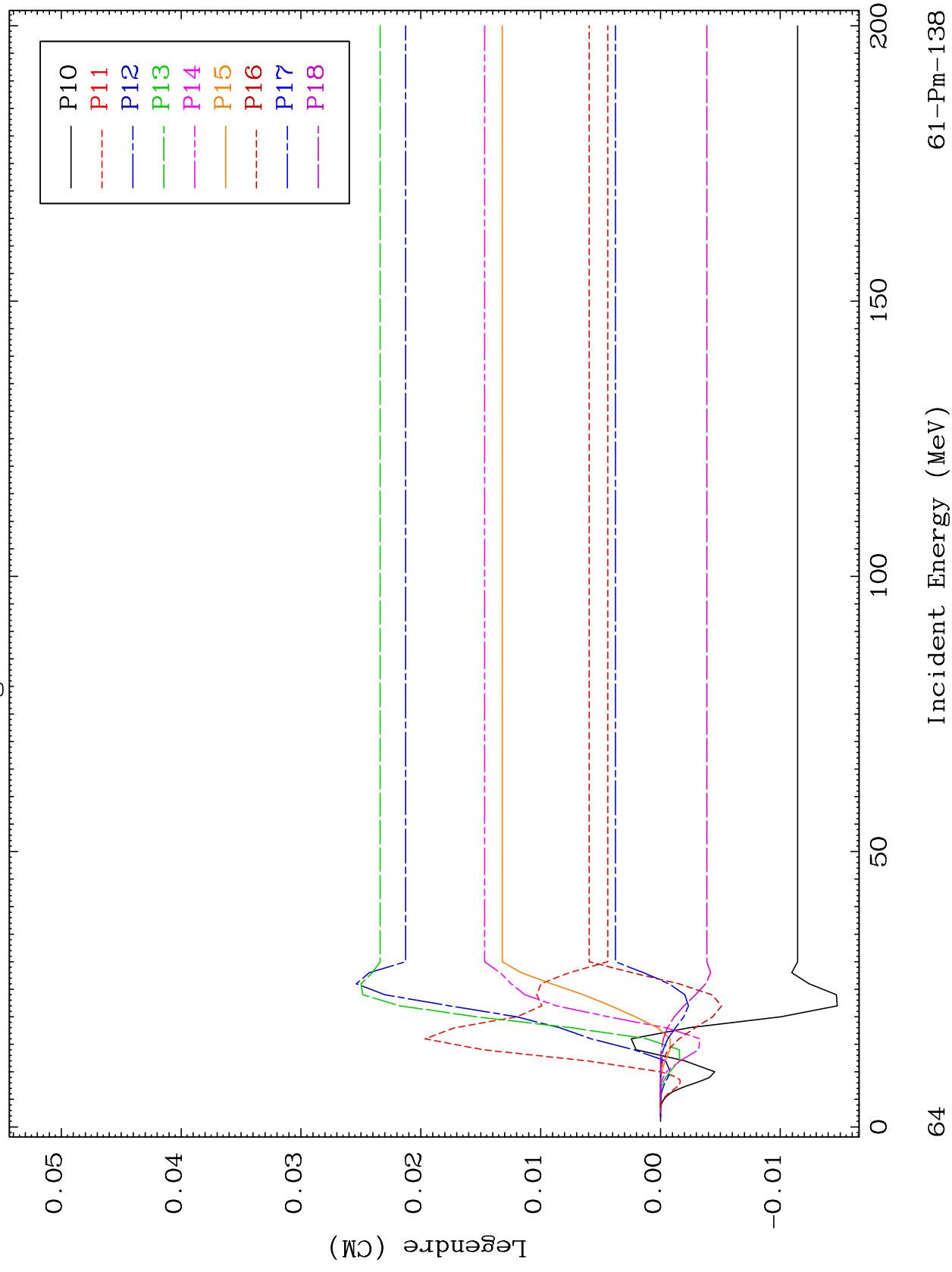
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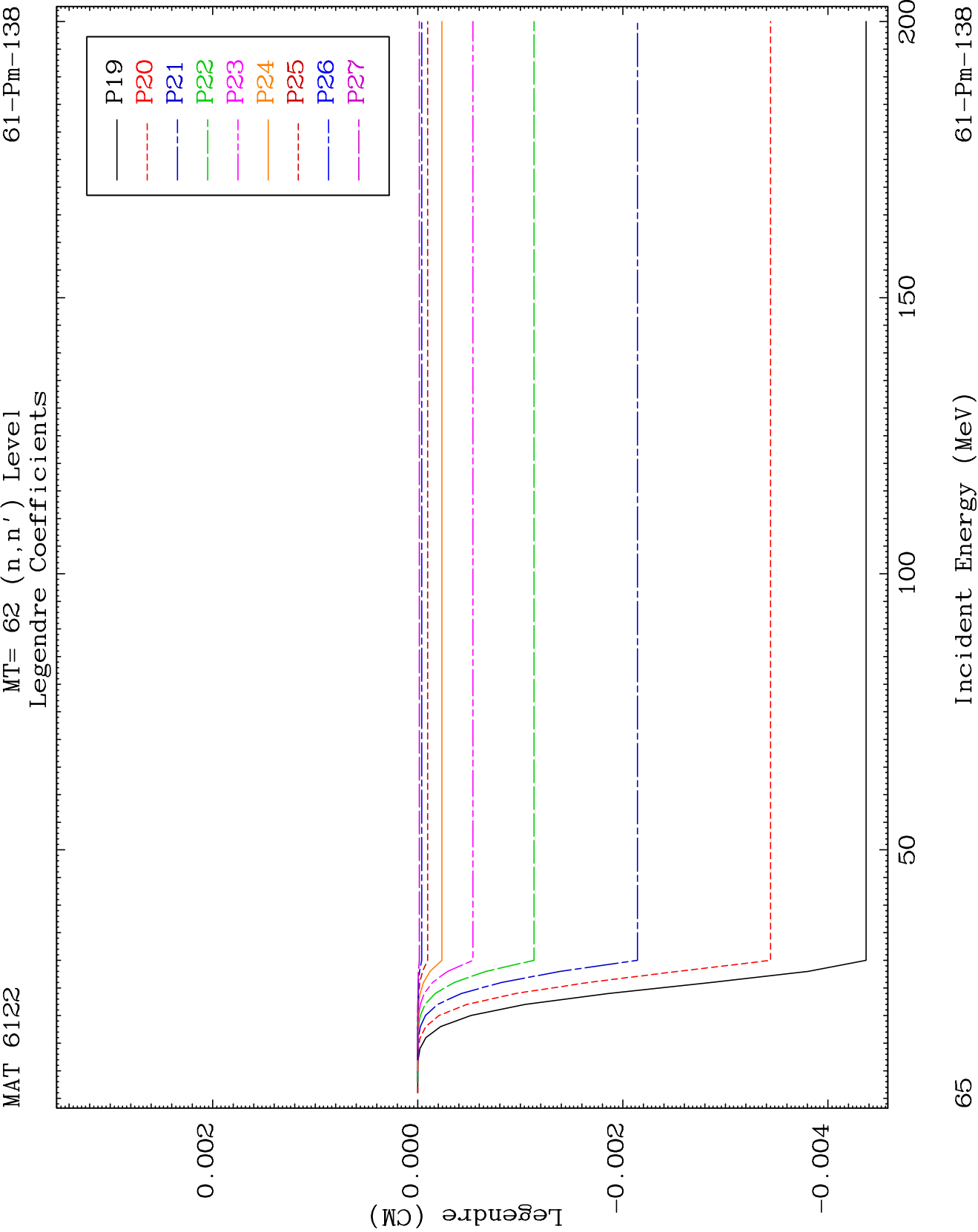


MAT 6122

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

61-Pm-138

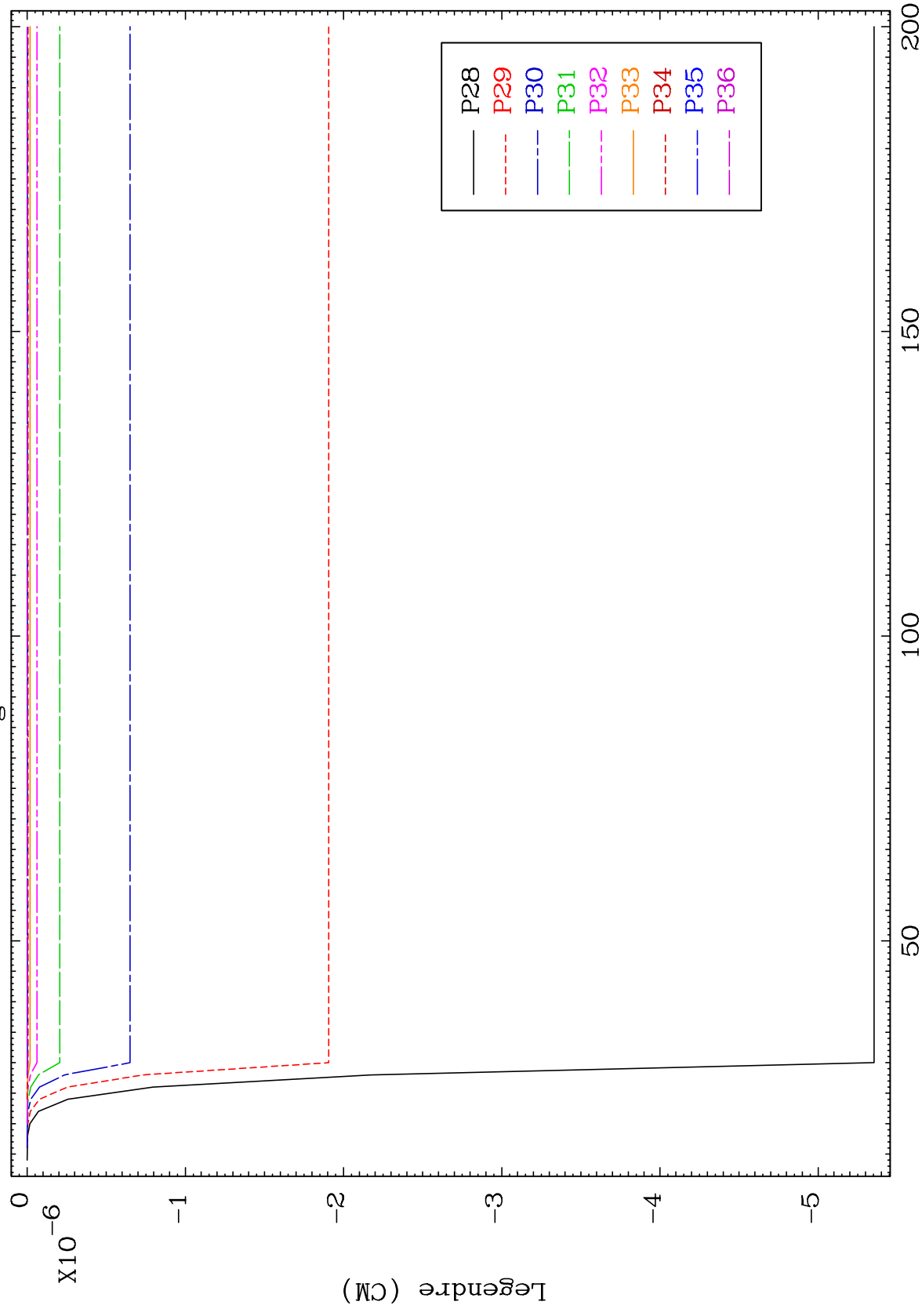




MAT 6122

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

61-Pm-138



66

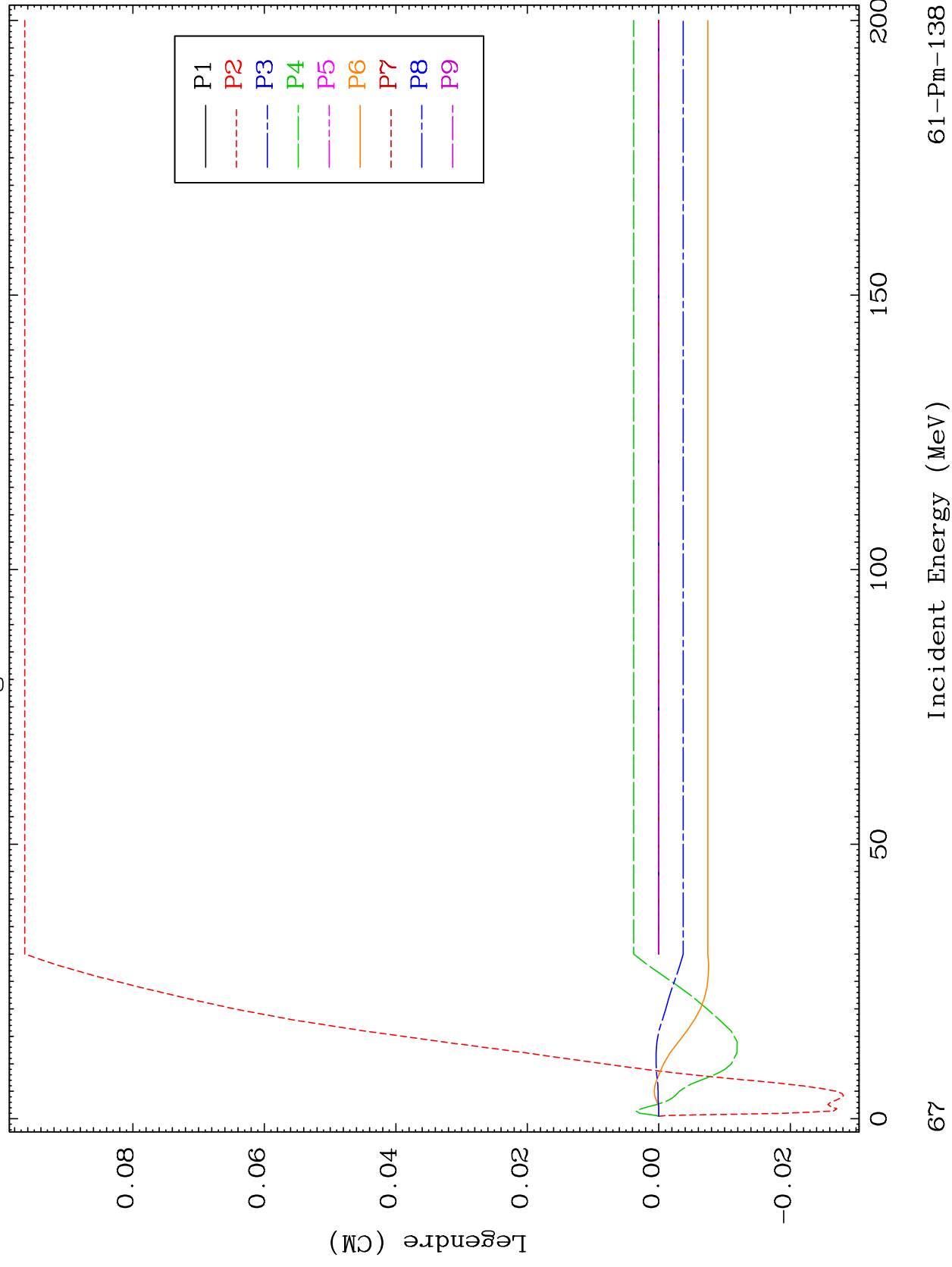
Incident Energy (MeV)

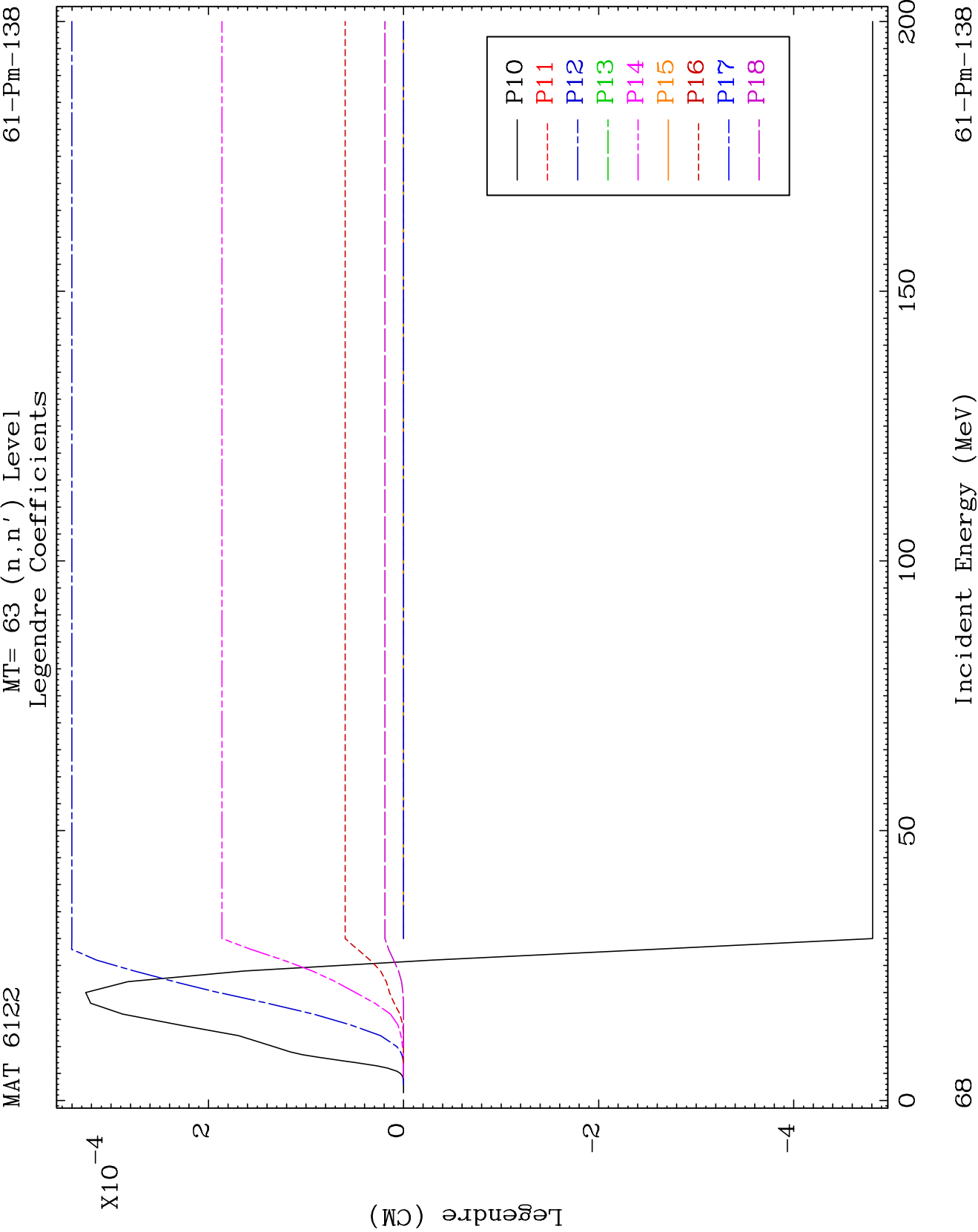
61-Pm-138

MAT 6122

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

61-Pm-138

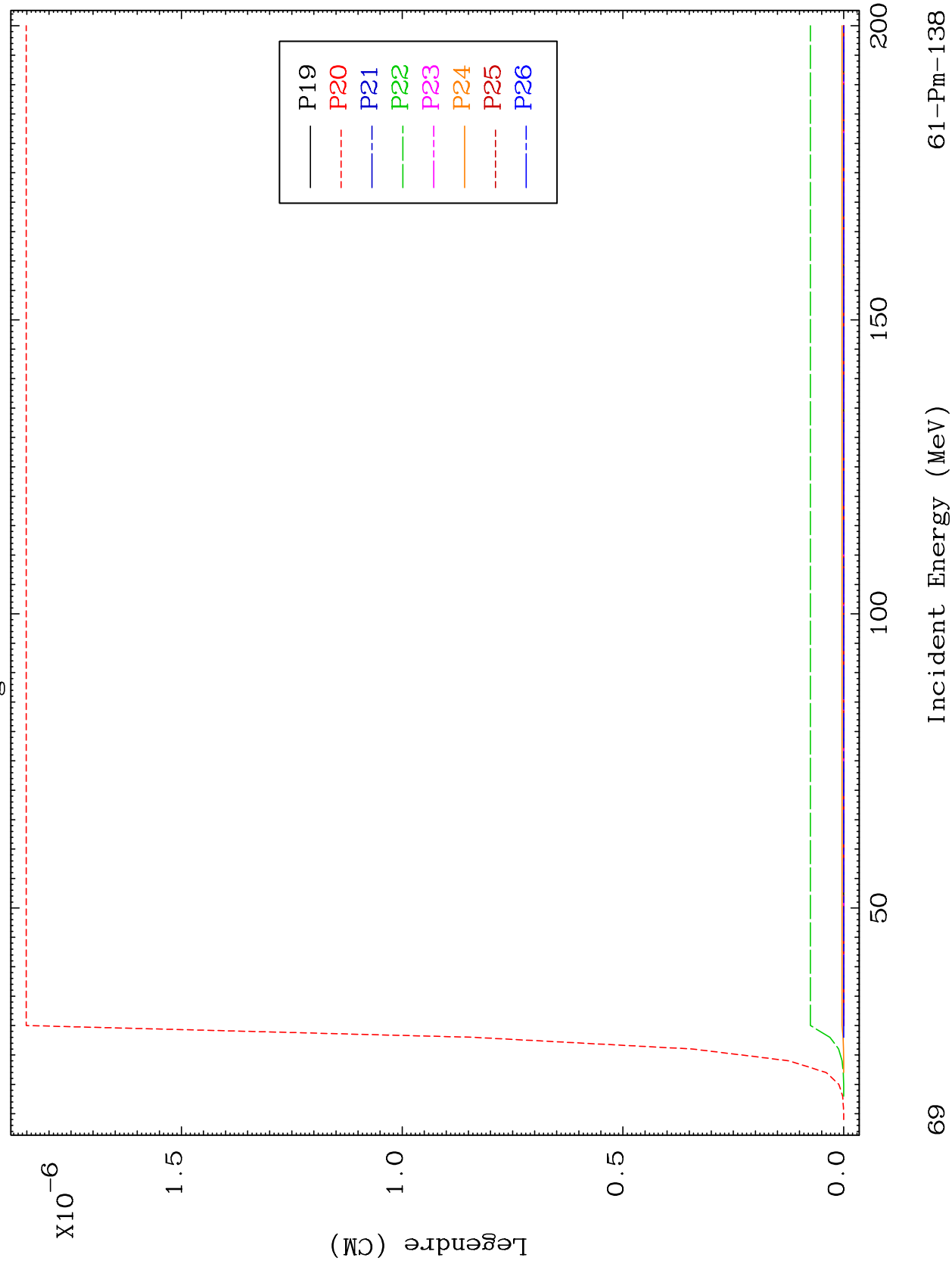




MAT 6122

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

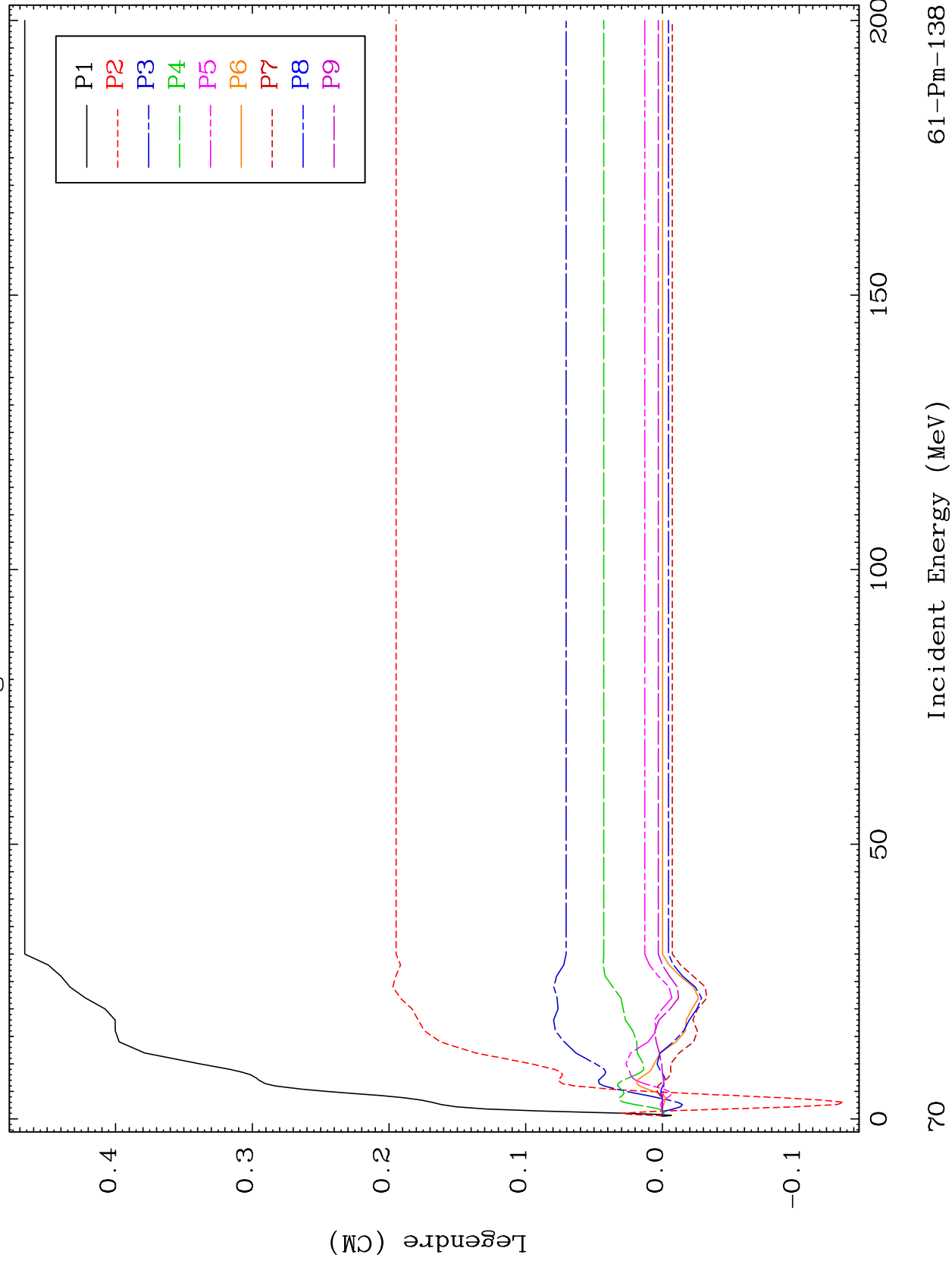
61-Pm-138

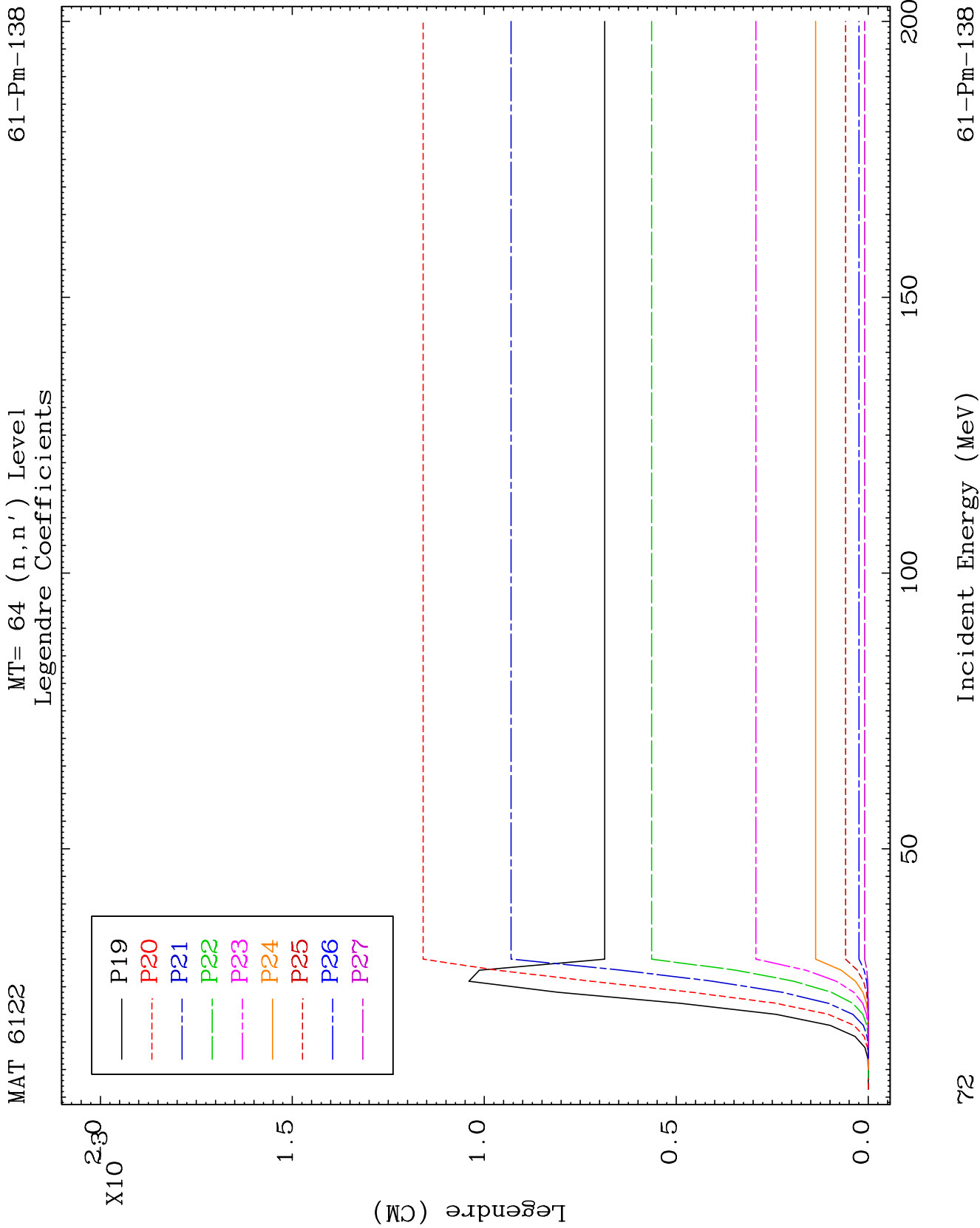


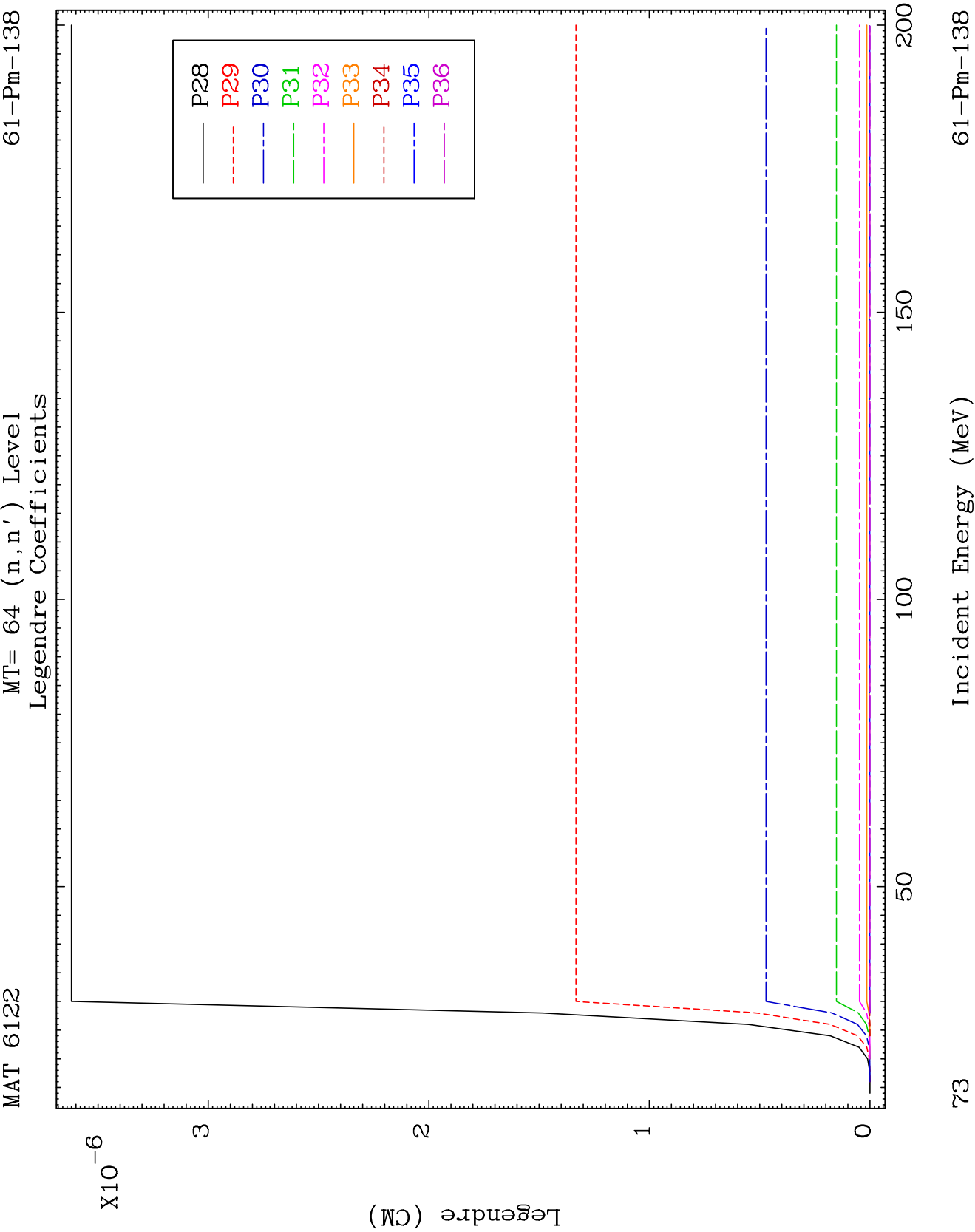
MAT 6122

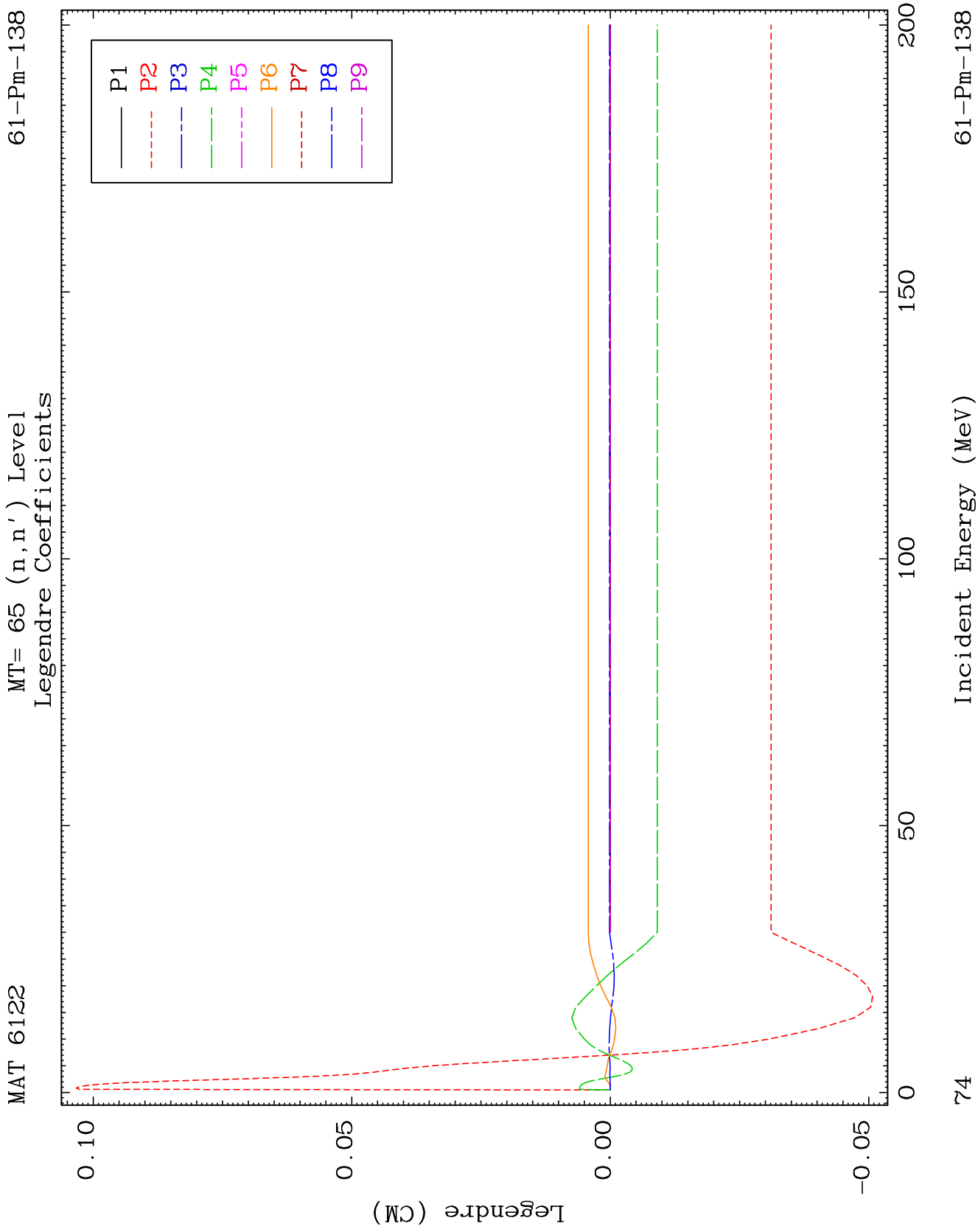
MT= 64 (n, n') Level
Legendre Coefficients

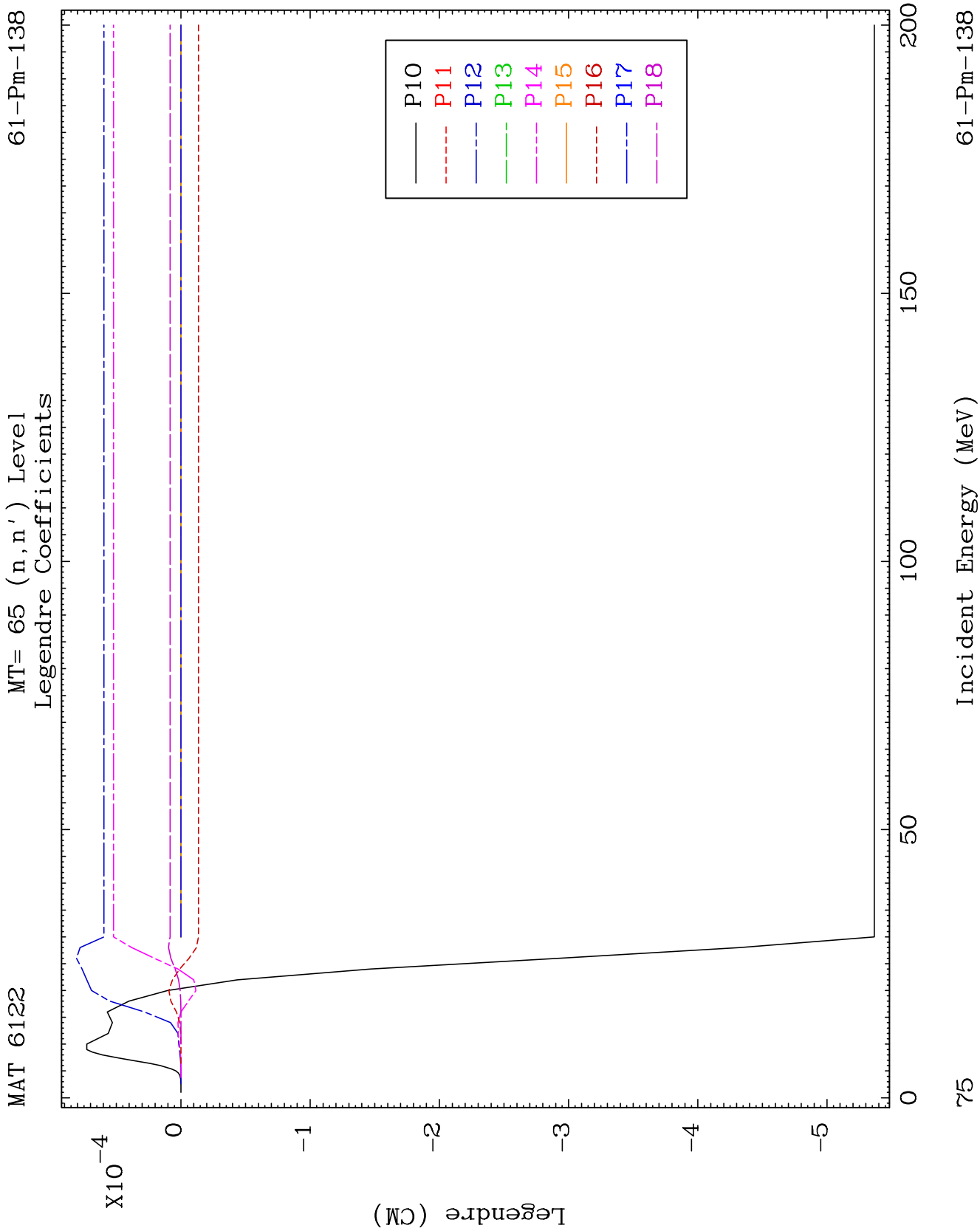
61-Pm-138

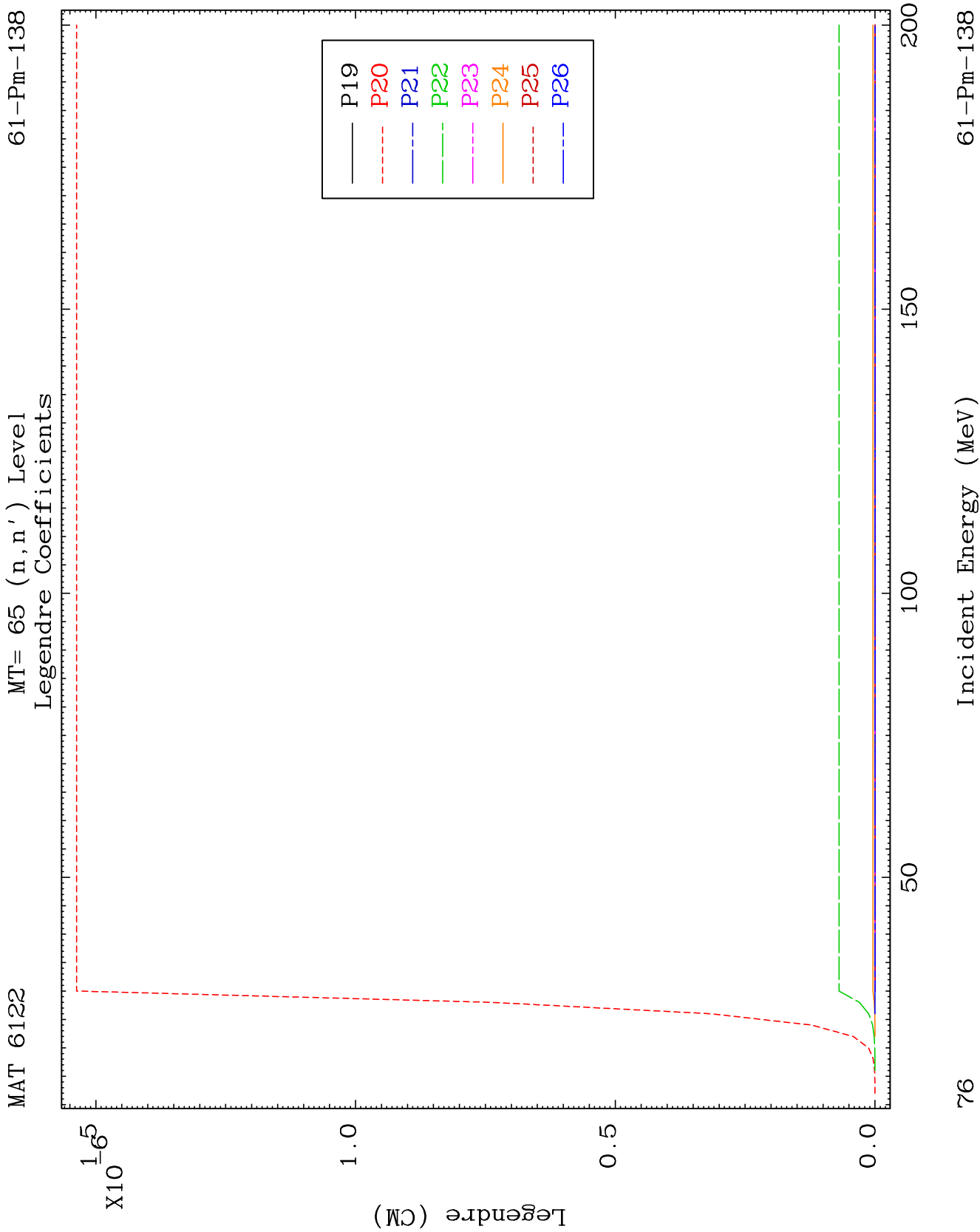








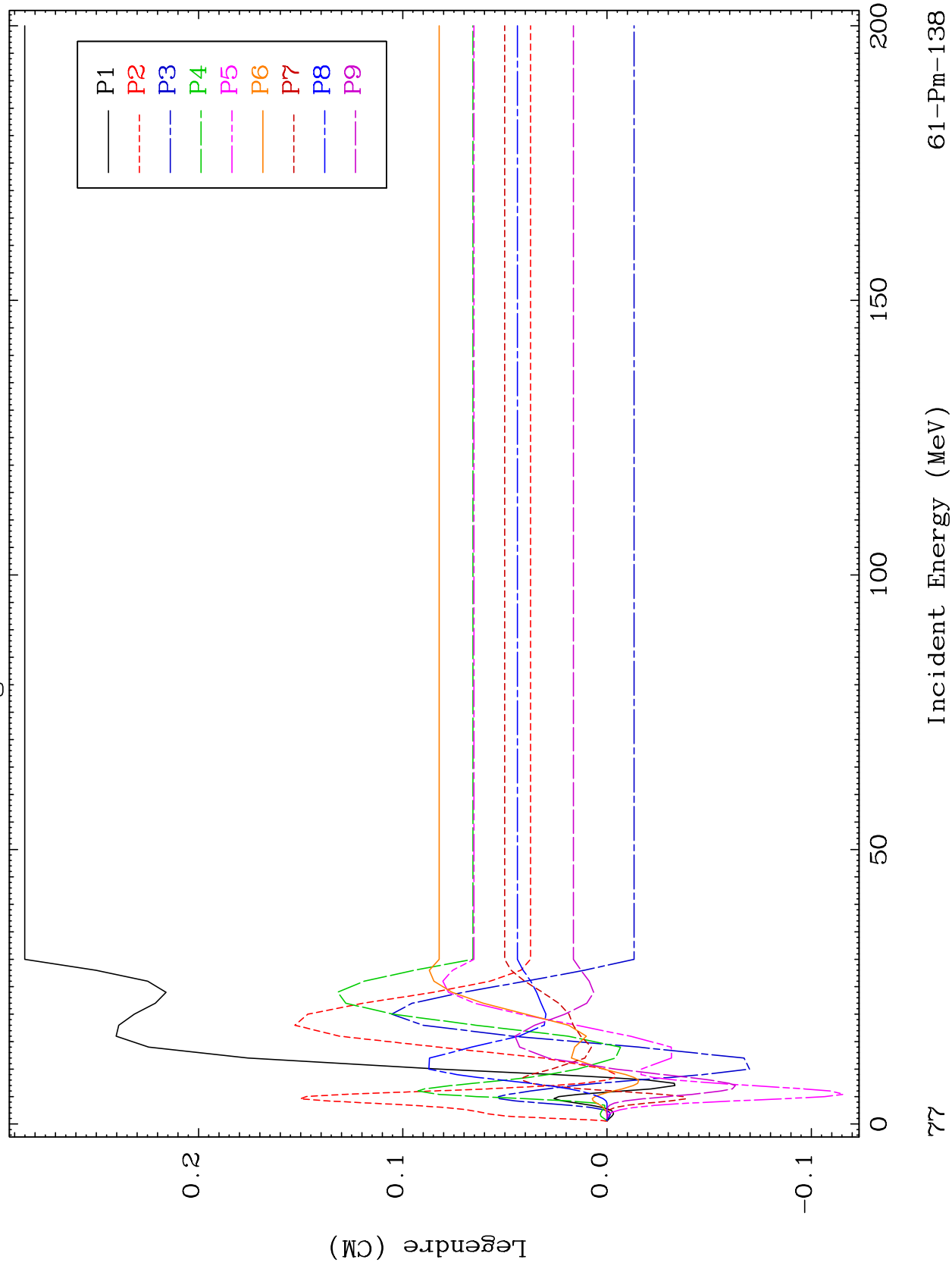


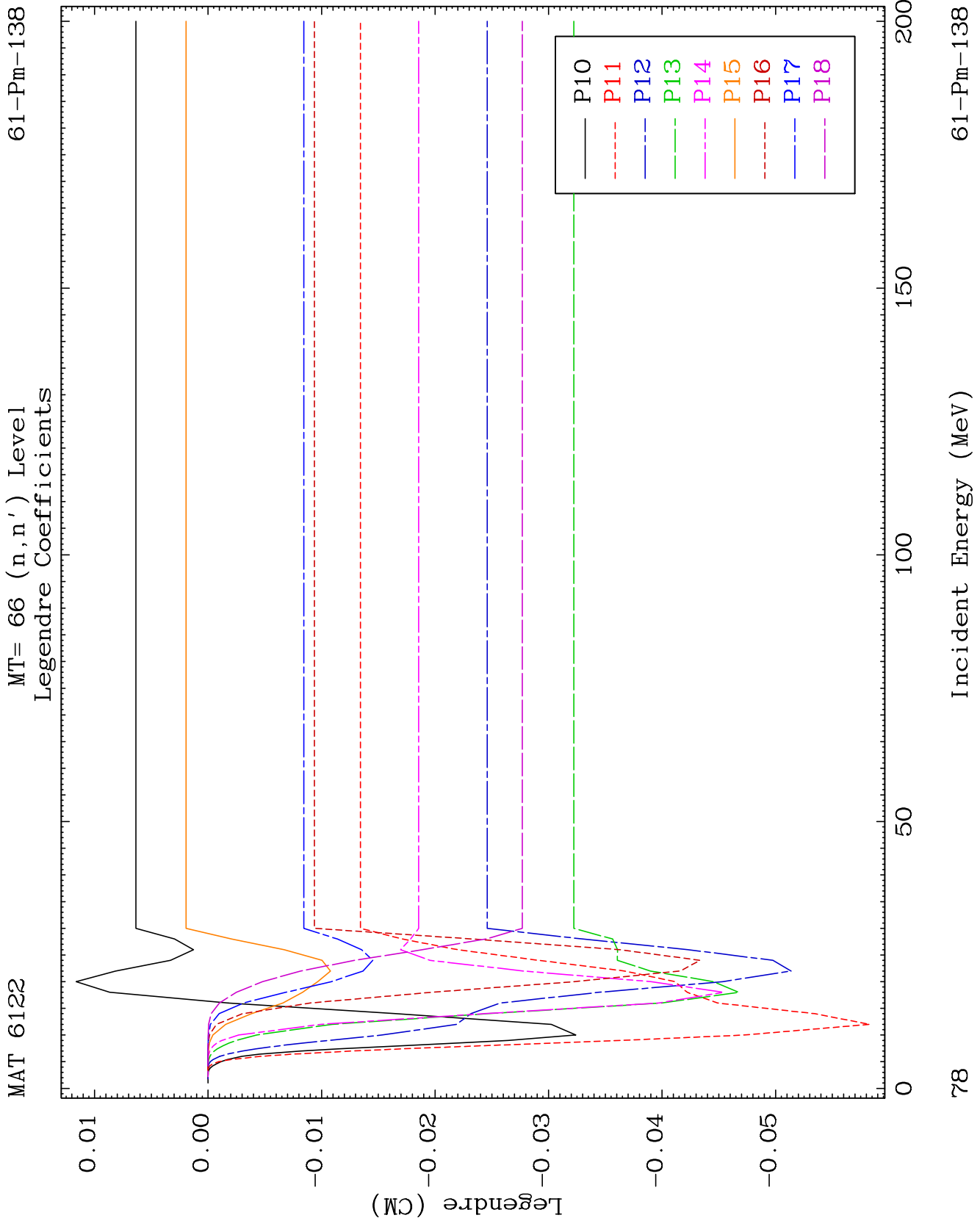


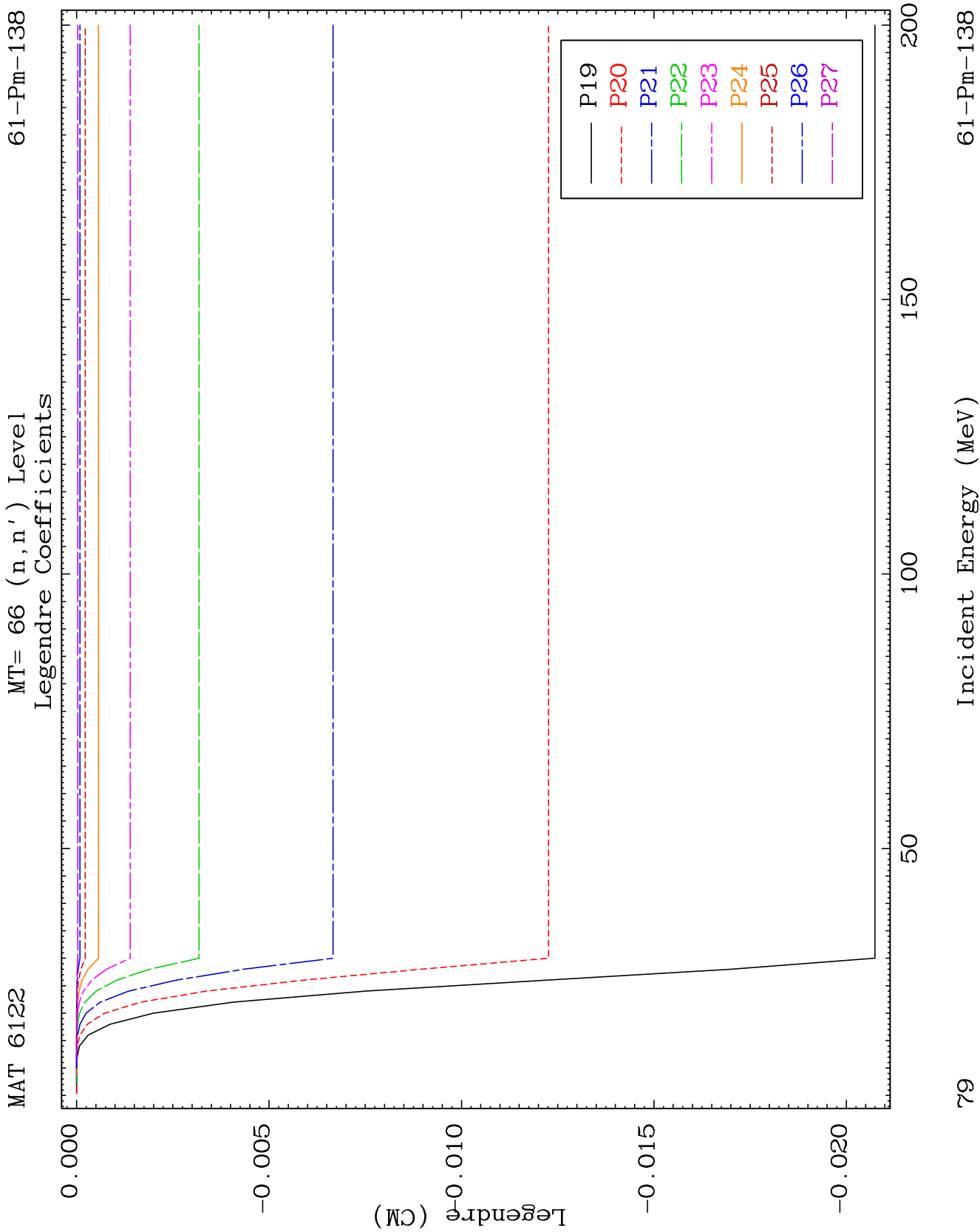
MAT 6122

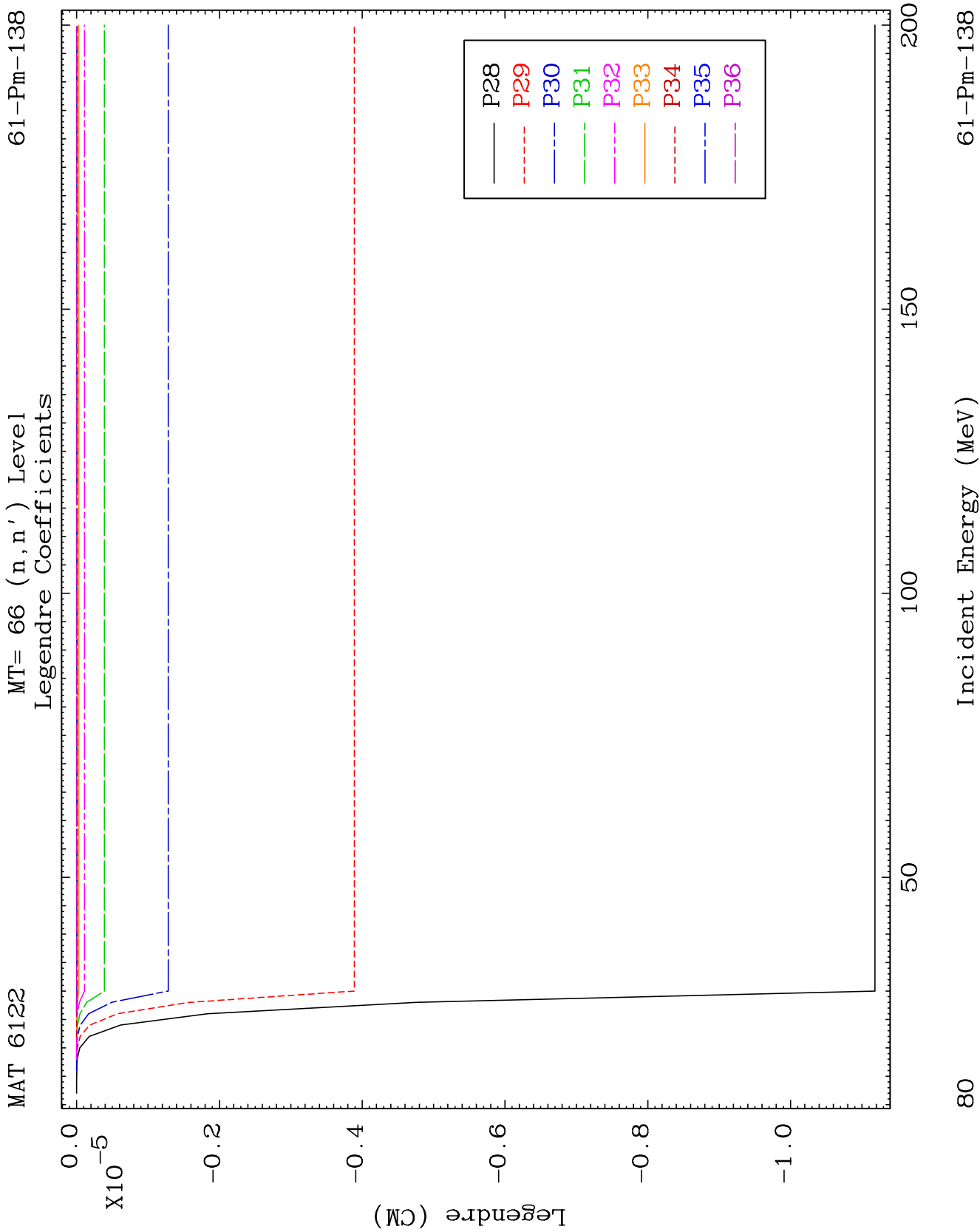
MT= 66 (n, n') Level
Legendre Coefficients

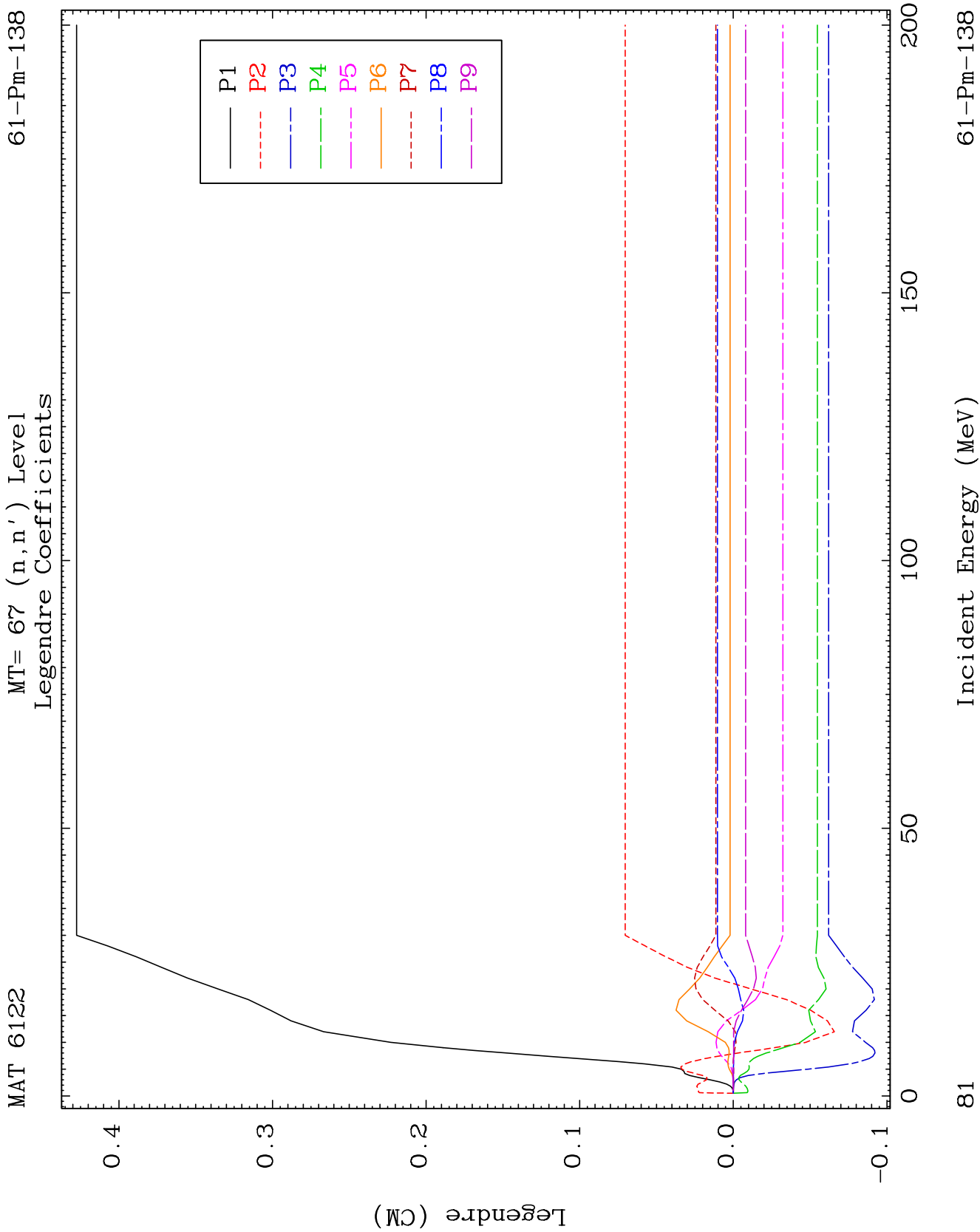
61-Pm-138







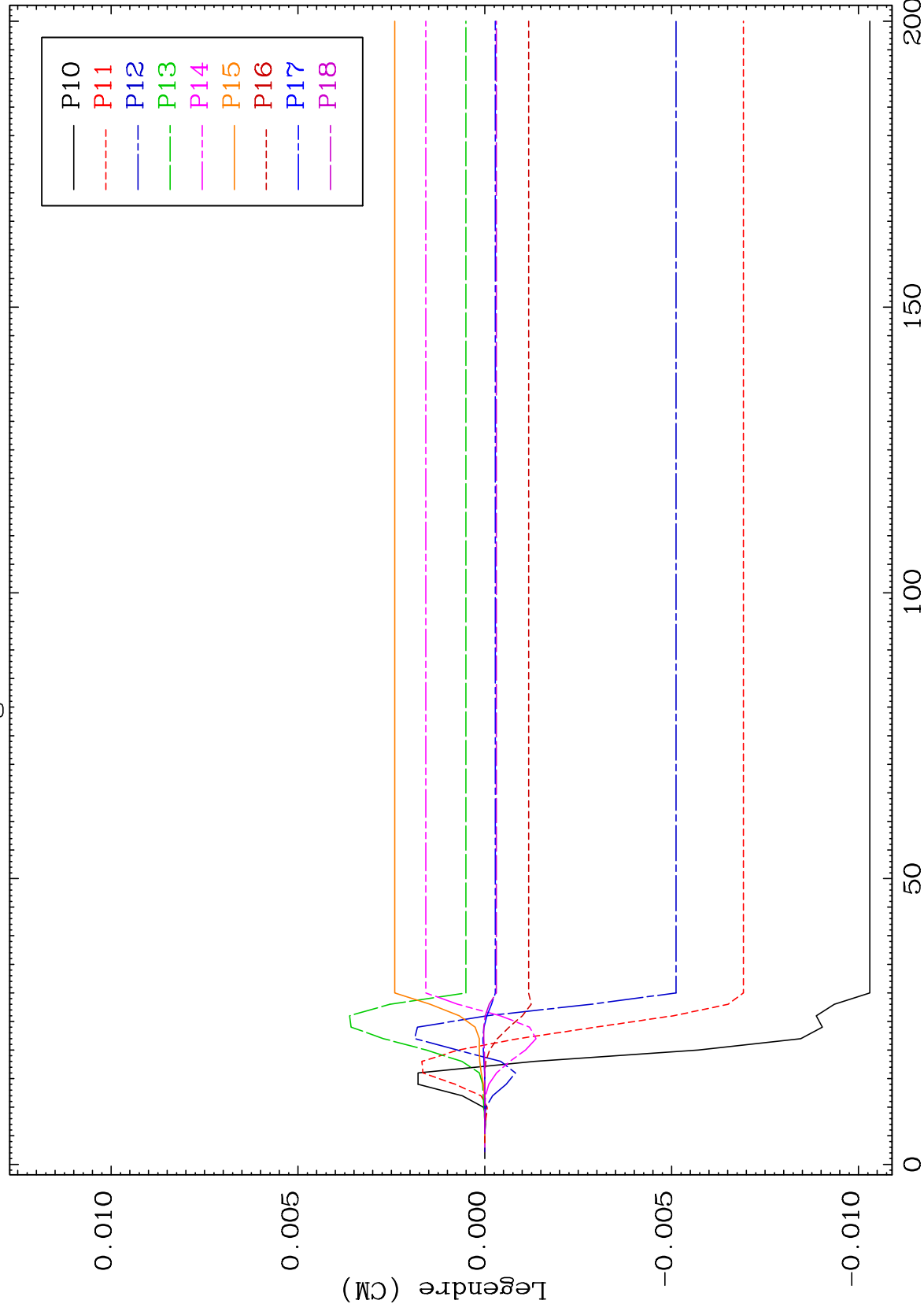




MAT 6122

MT= 67 (n, n') Level
Legendre Coefficients

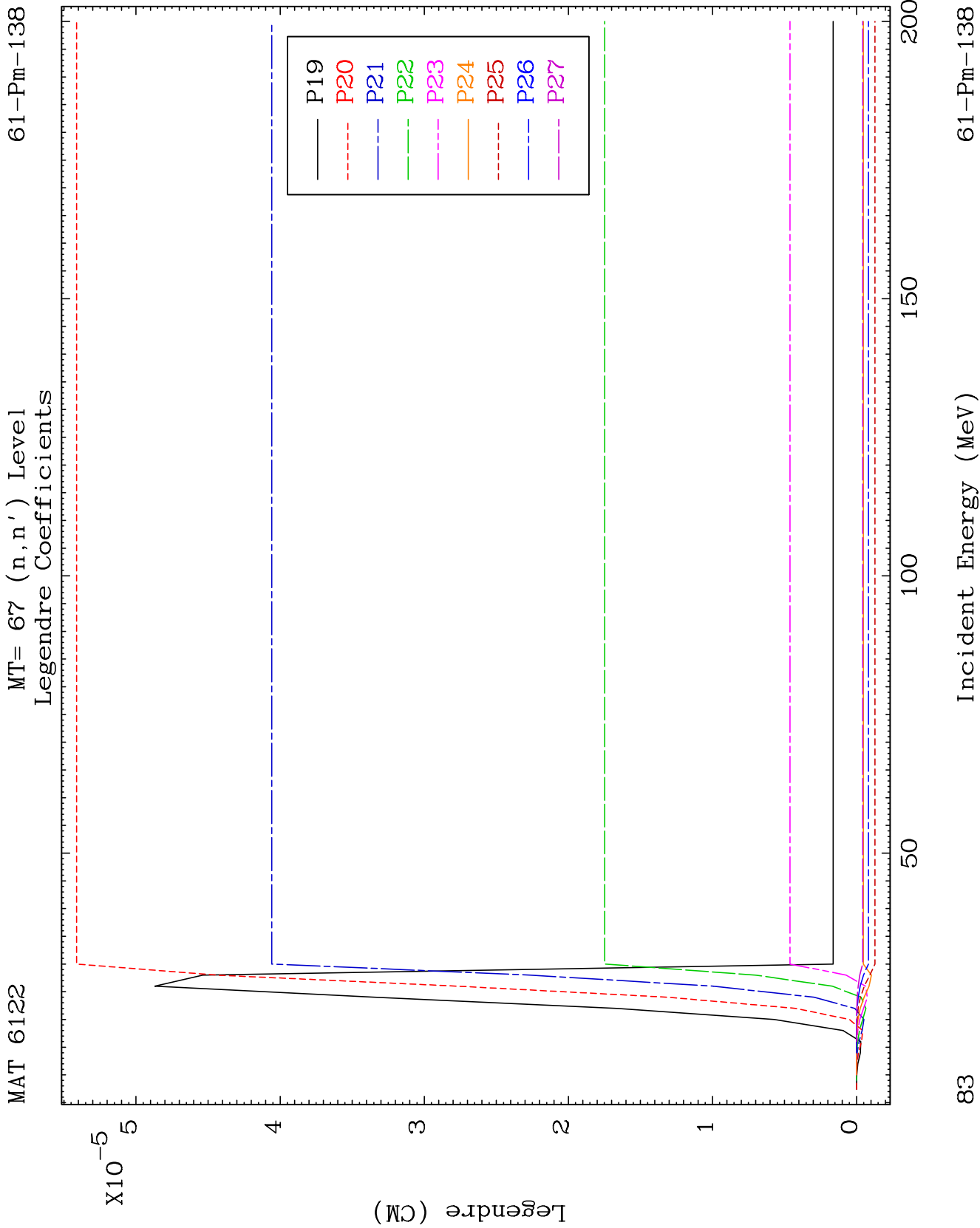
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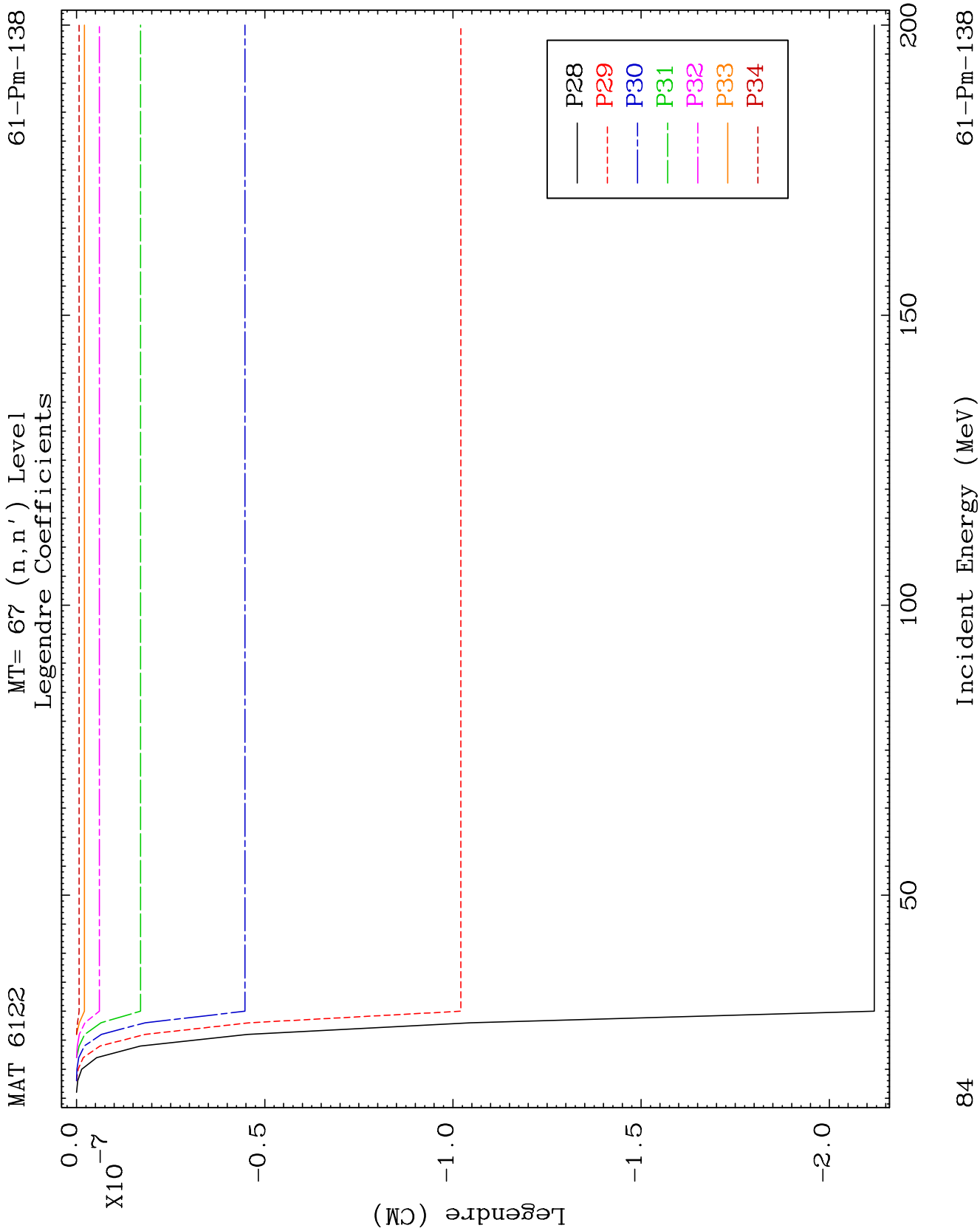


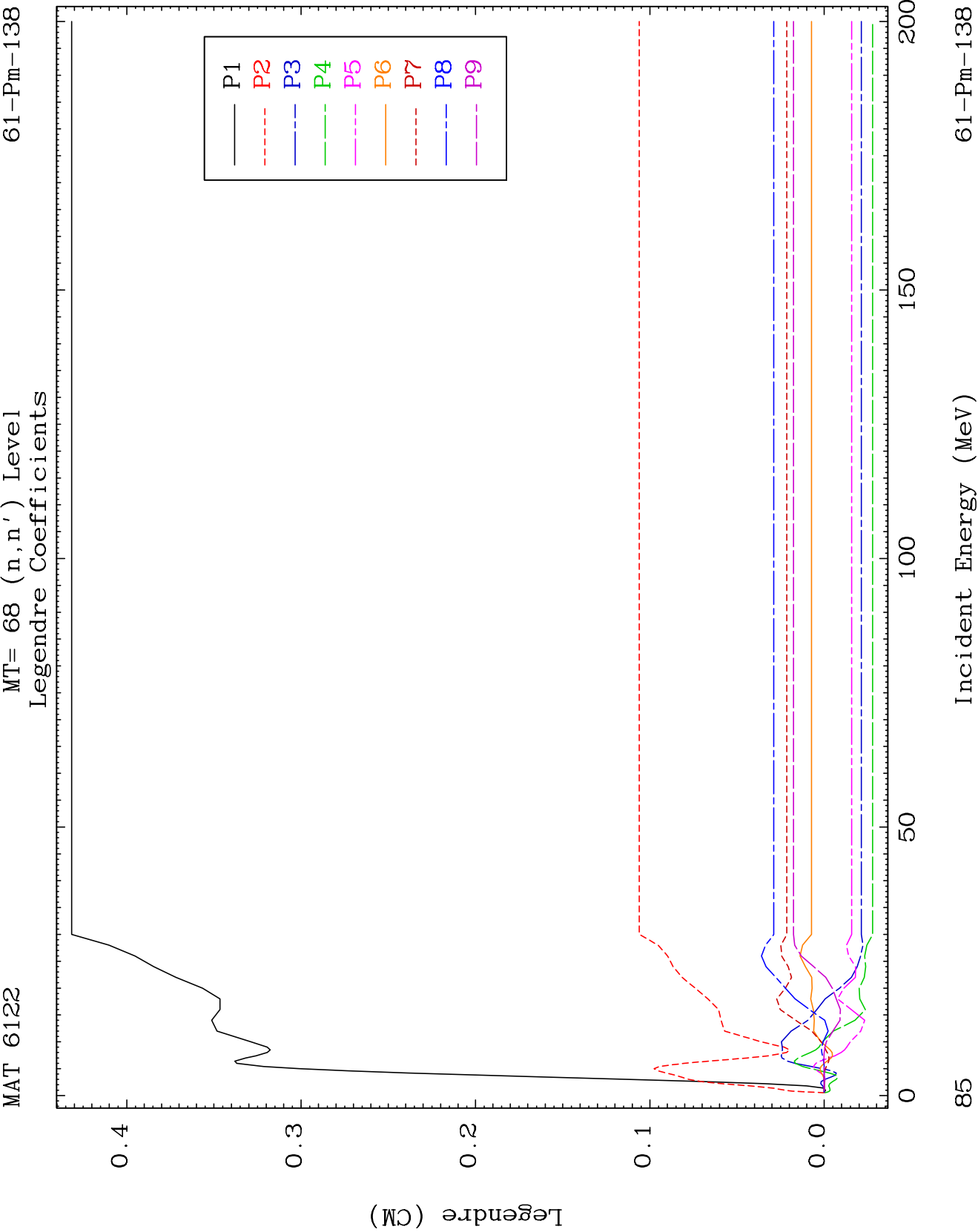
28

Incident Energy (MeV)

61-Pm-138



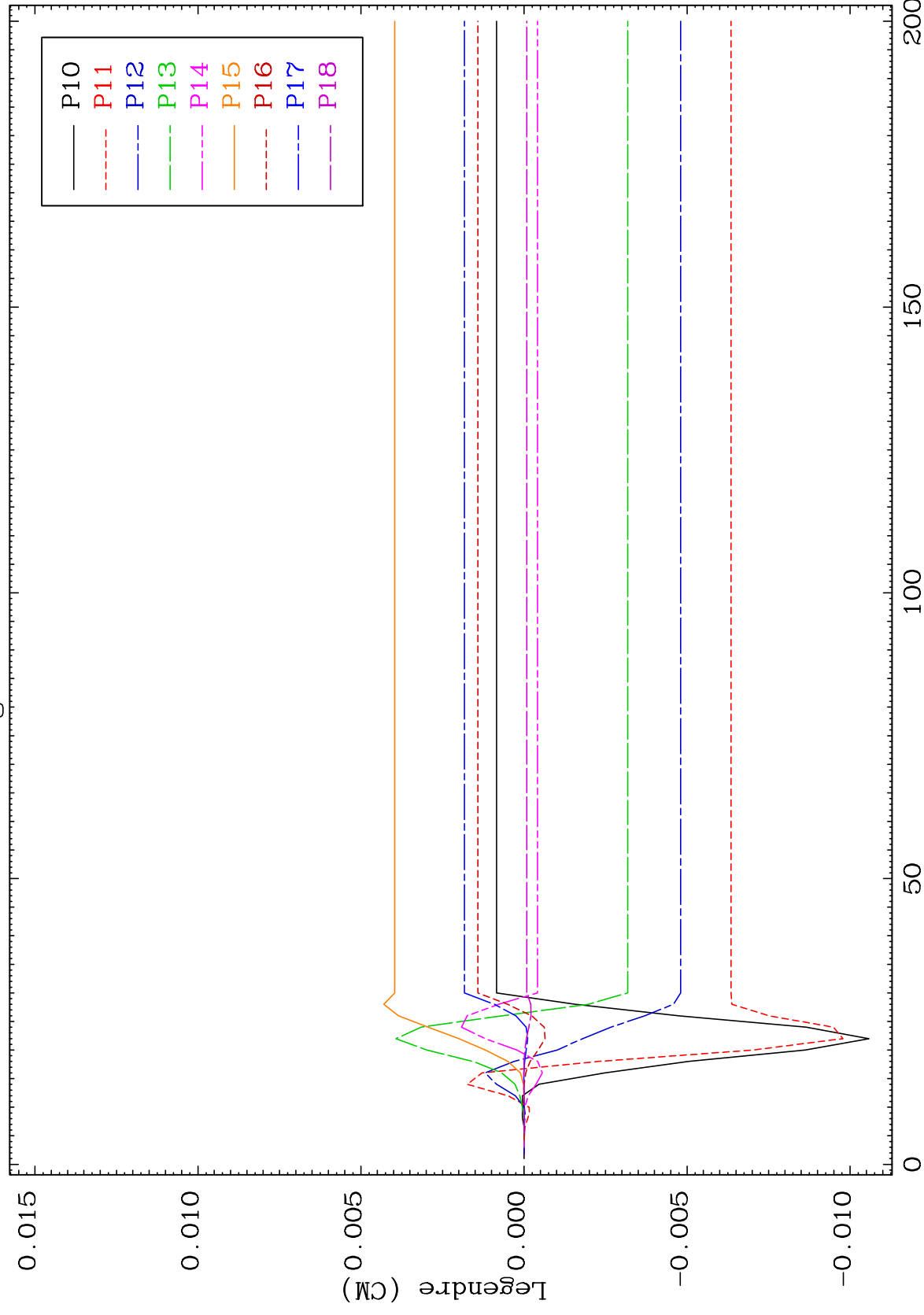




MAT 6122

MT= 68 (n, n') Level
Legendre Coefficients

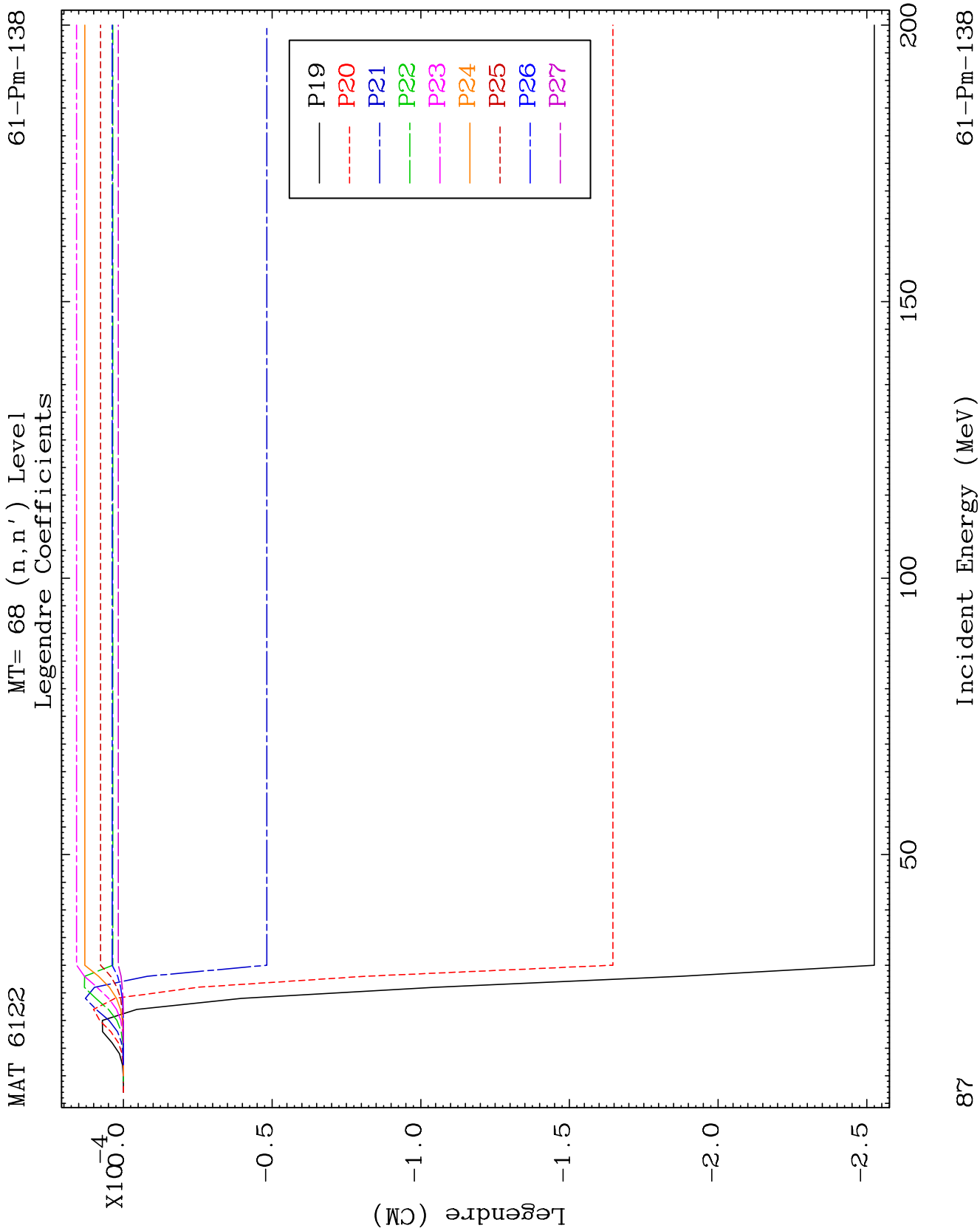
61-Pm-138

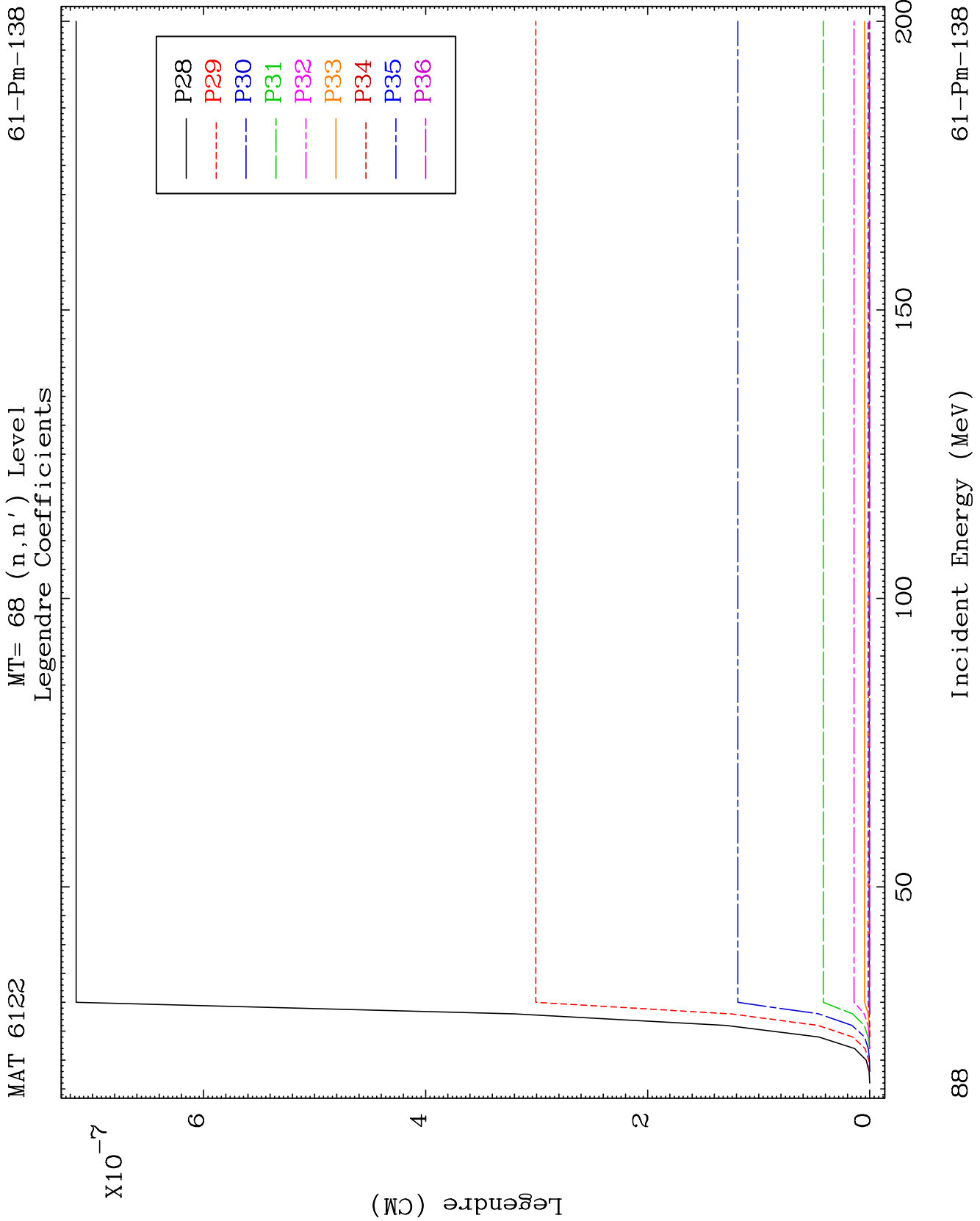


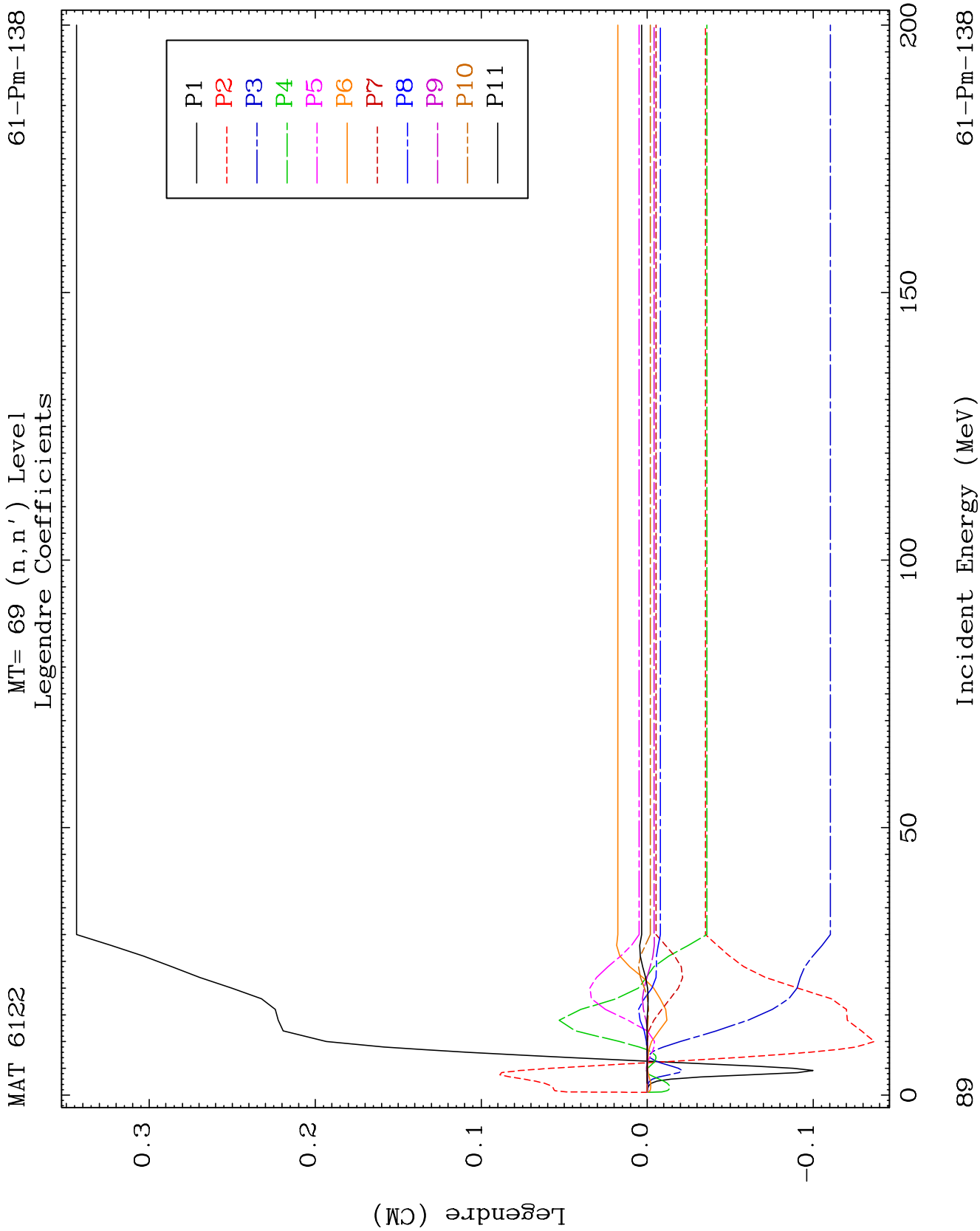
68

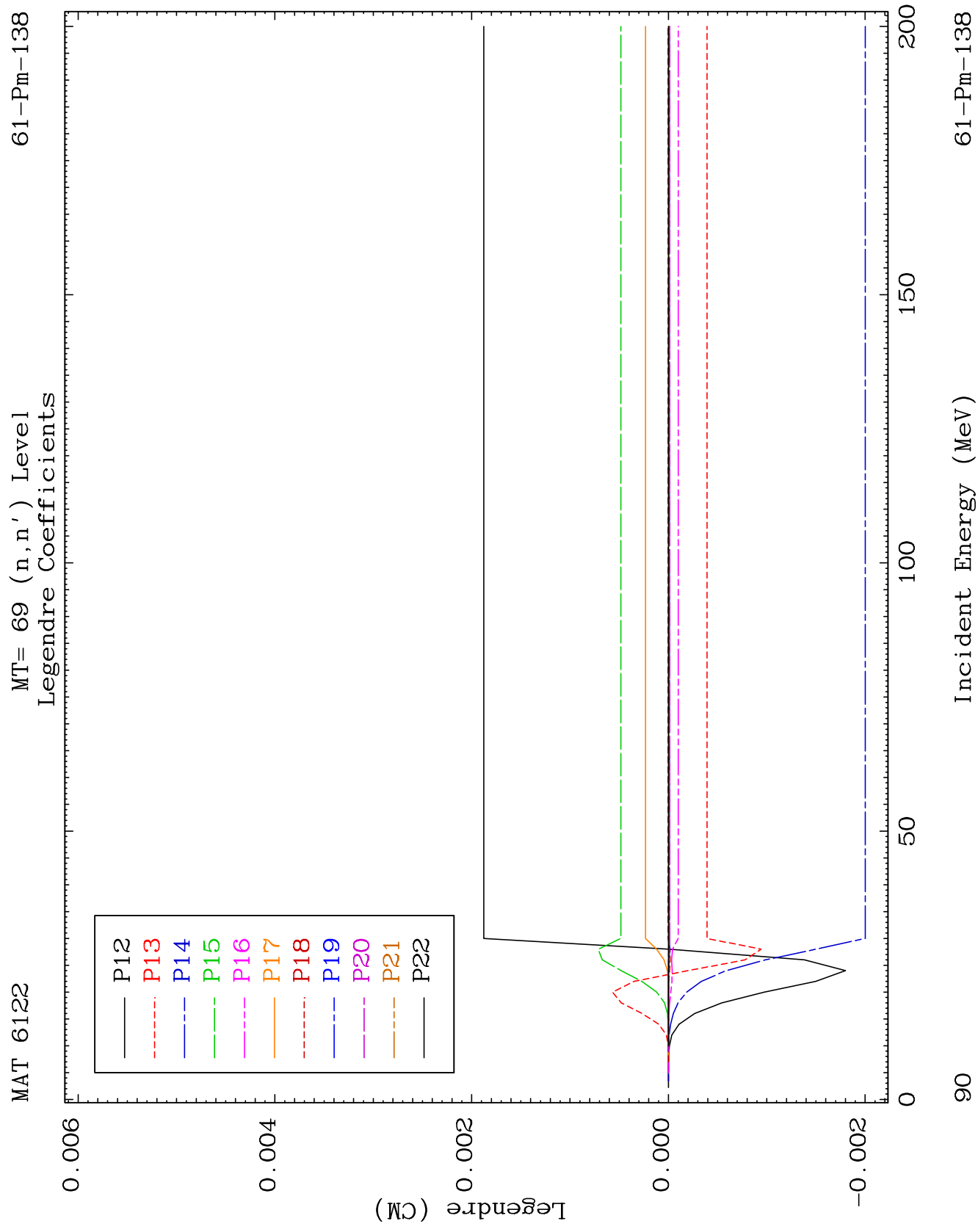
Incident Energy (MeV)

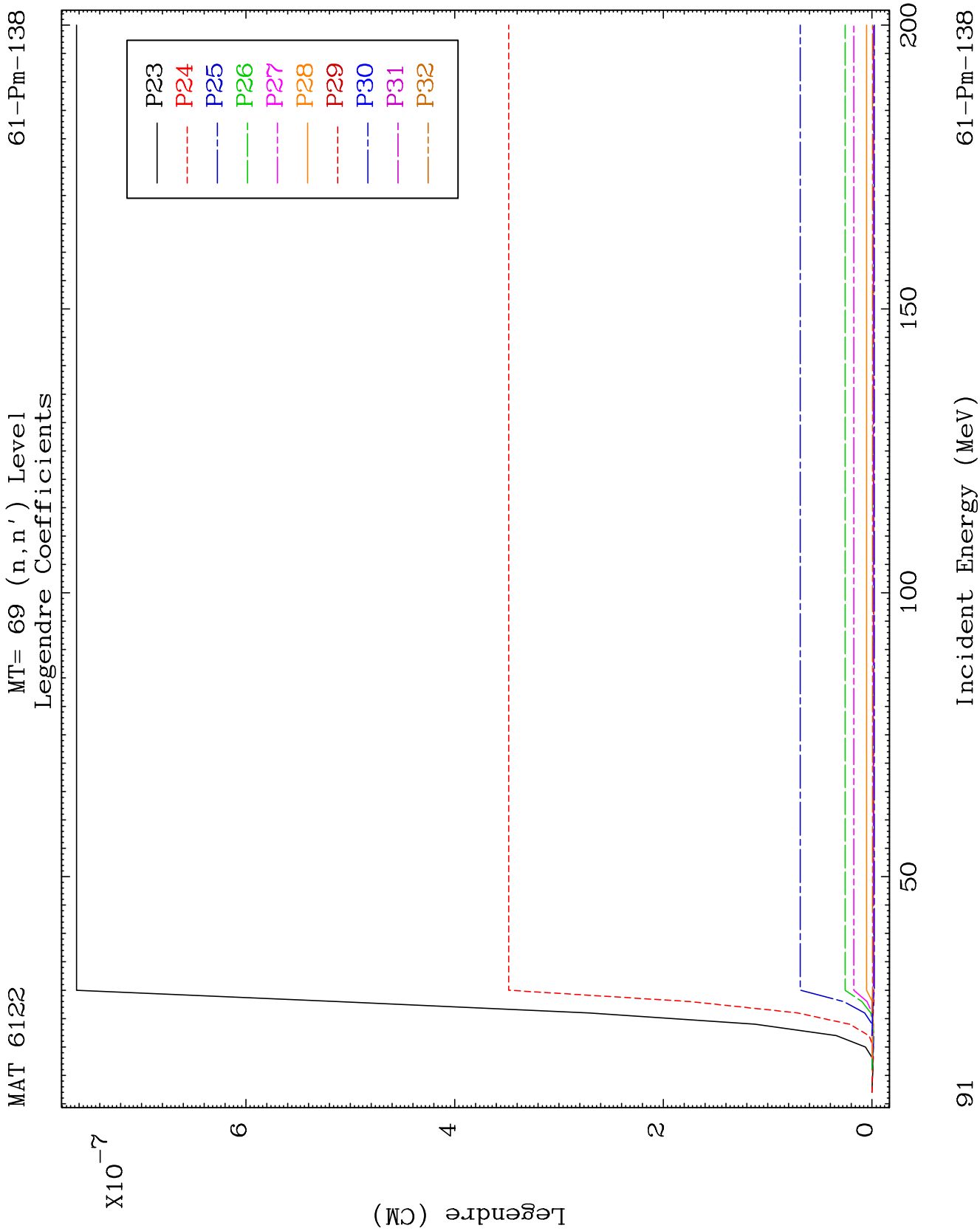
61-Pm-138

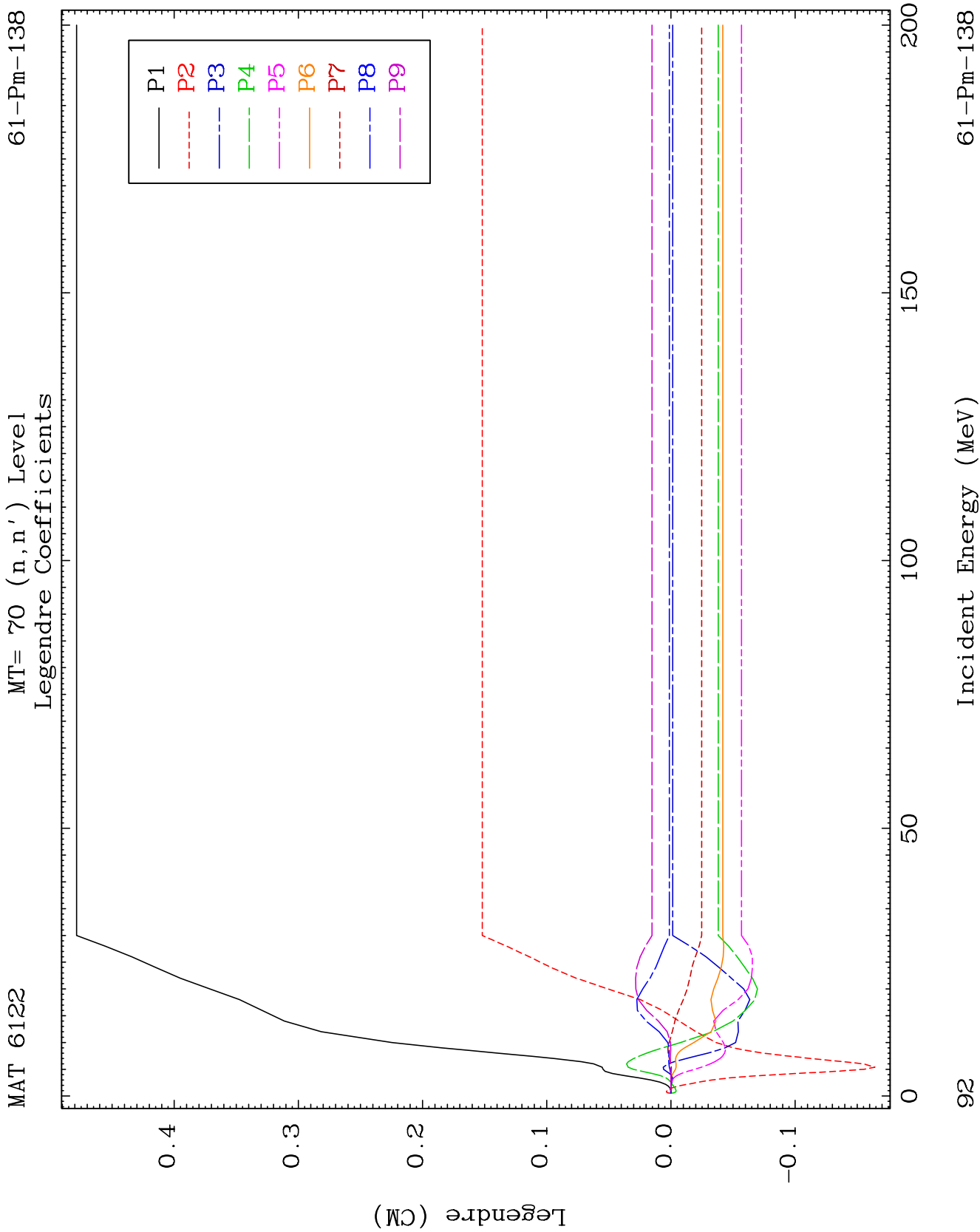


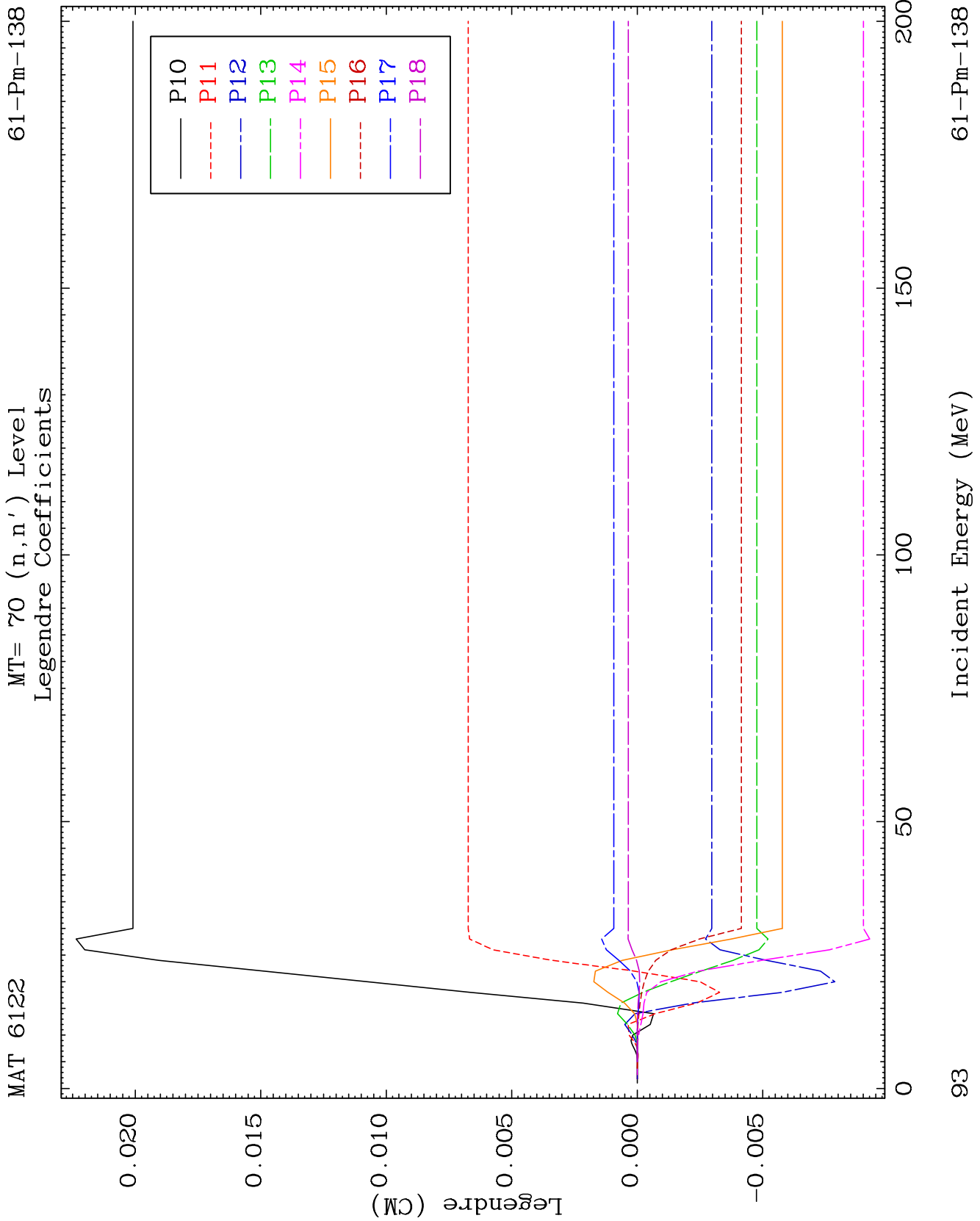


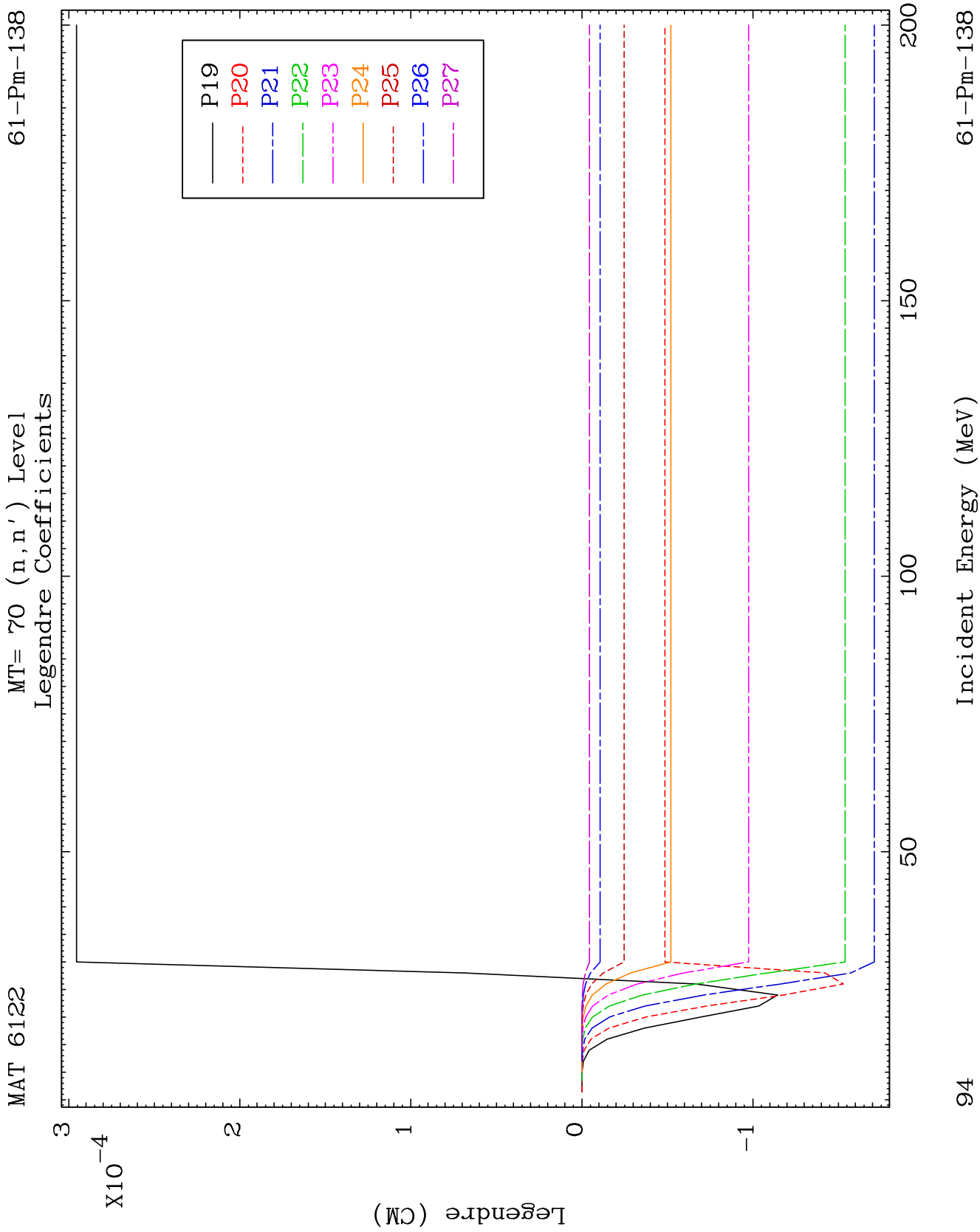


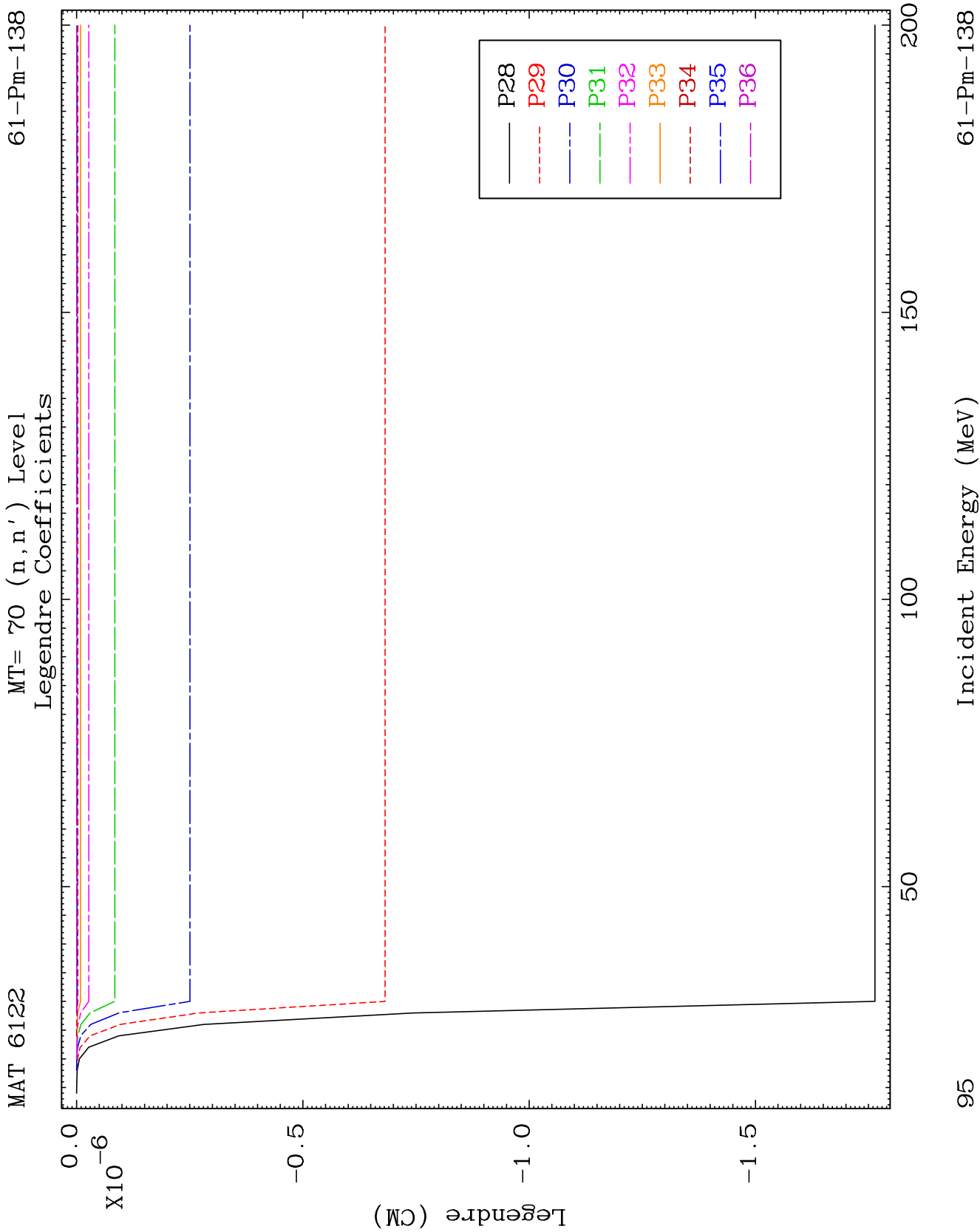








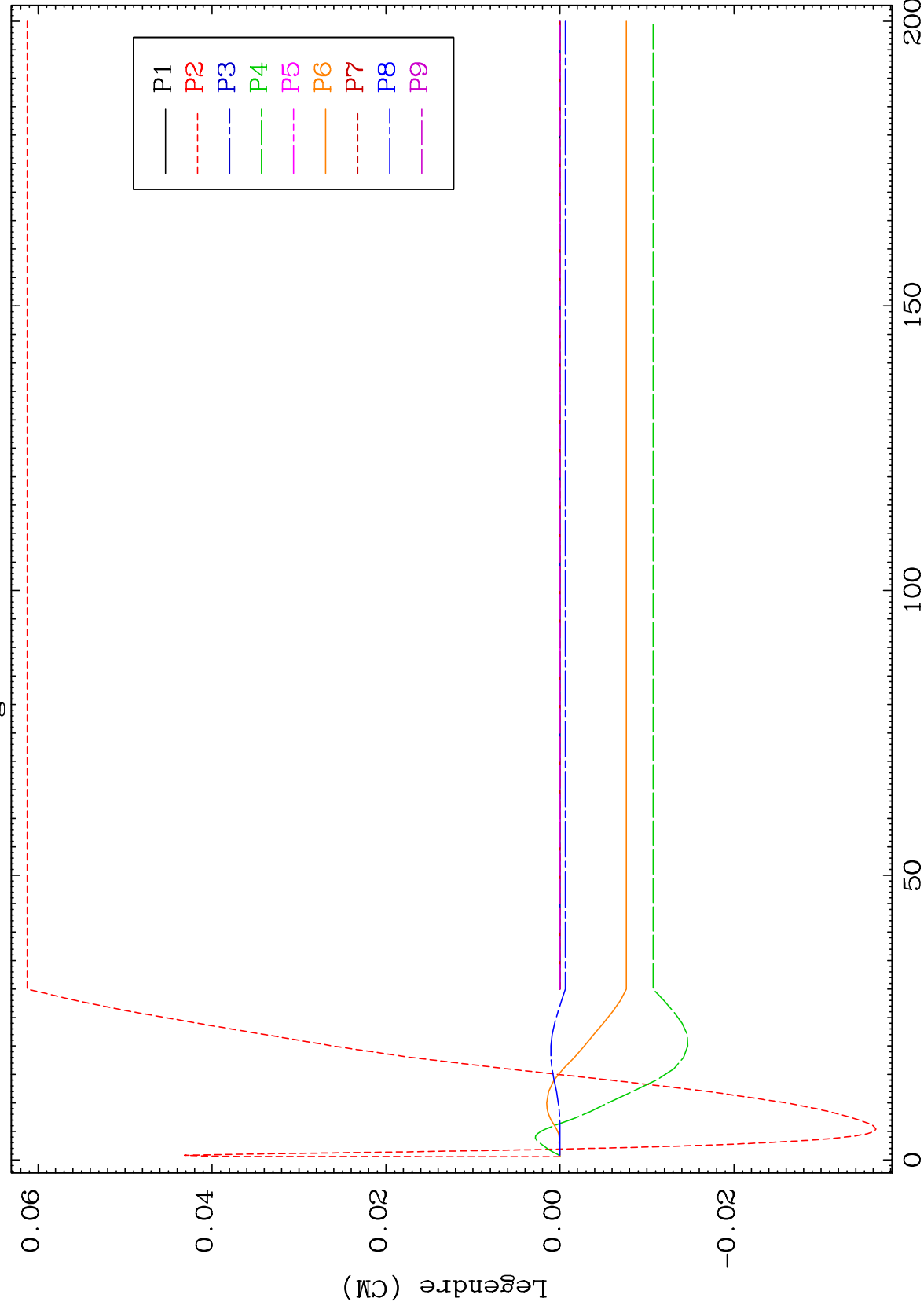




MAT 6122

MT= 71 (n, n') Level
Legendre Coefficients

61-Pm-138



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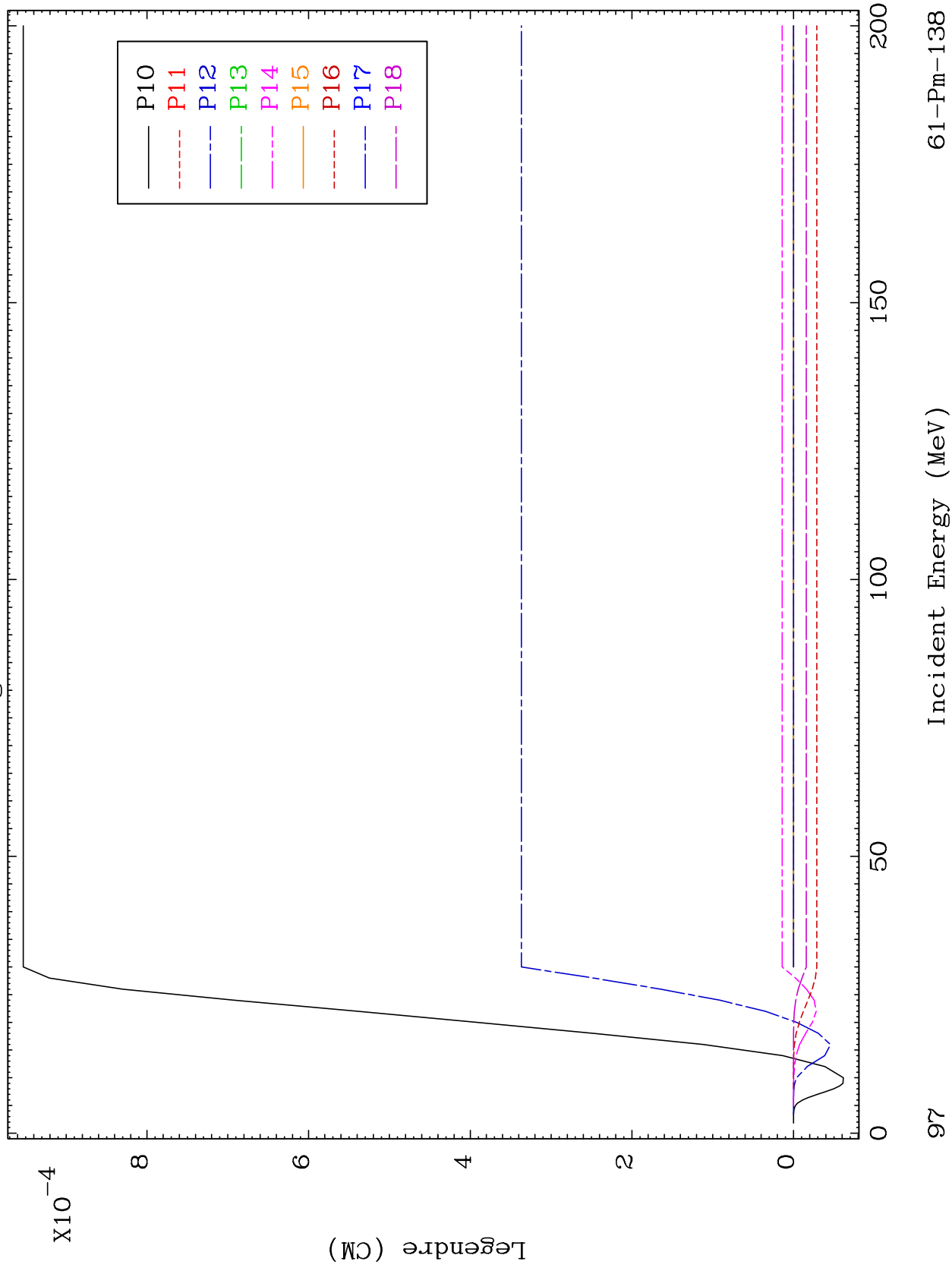
Incident Energy (MeV)

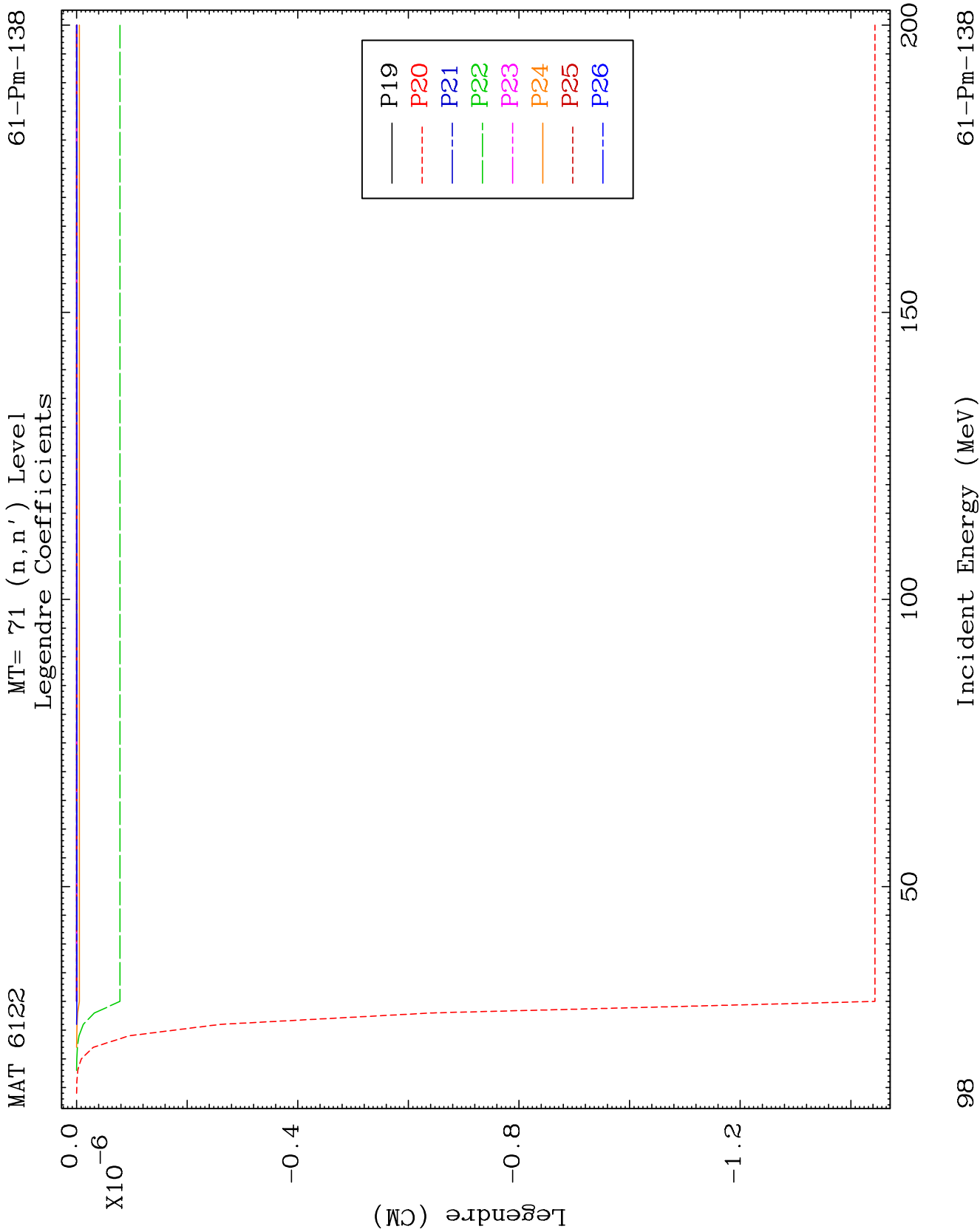
61-Pm-138

MAT 6122

MT= 71 (n, n') Level
Legendre Coefficients

61-Pm-138

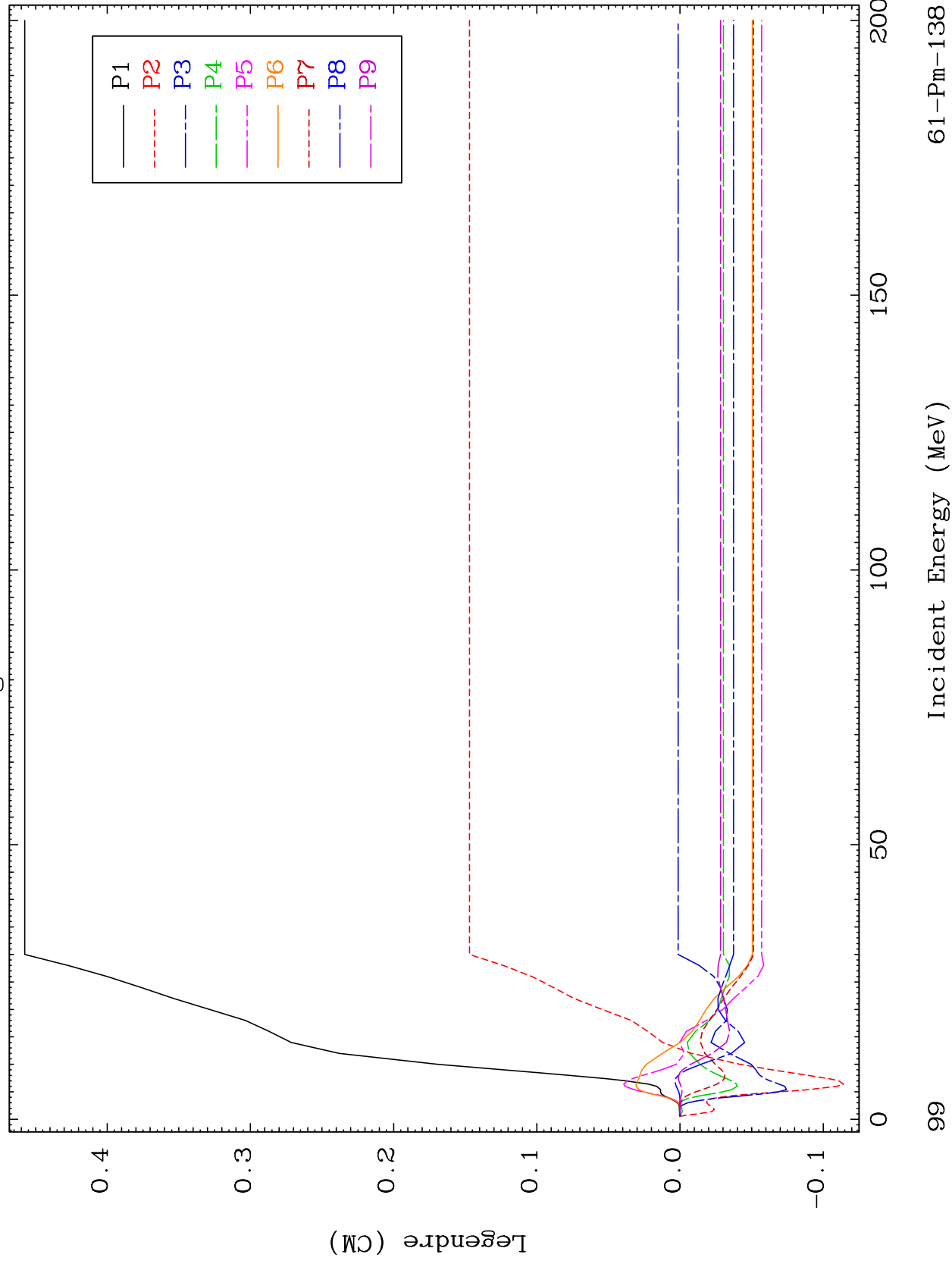




MAT 6122

MT= 72 (n, n') Level
Legendre Coefficients

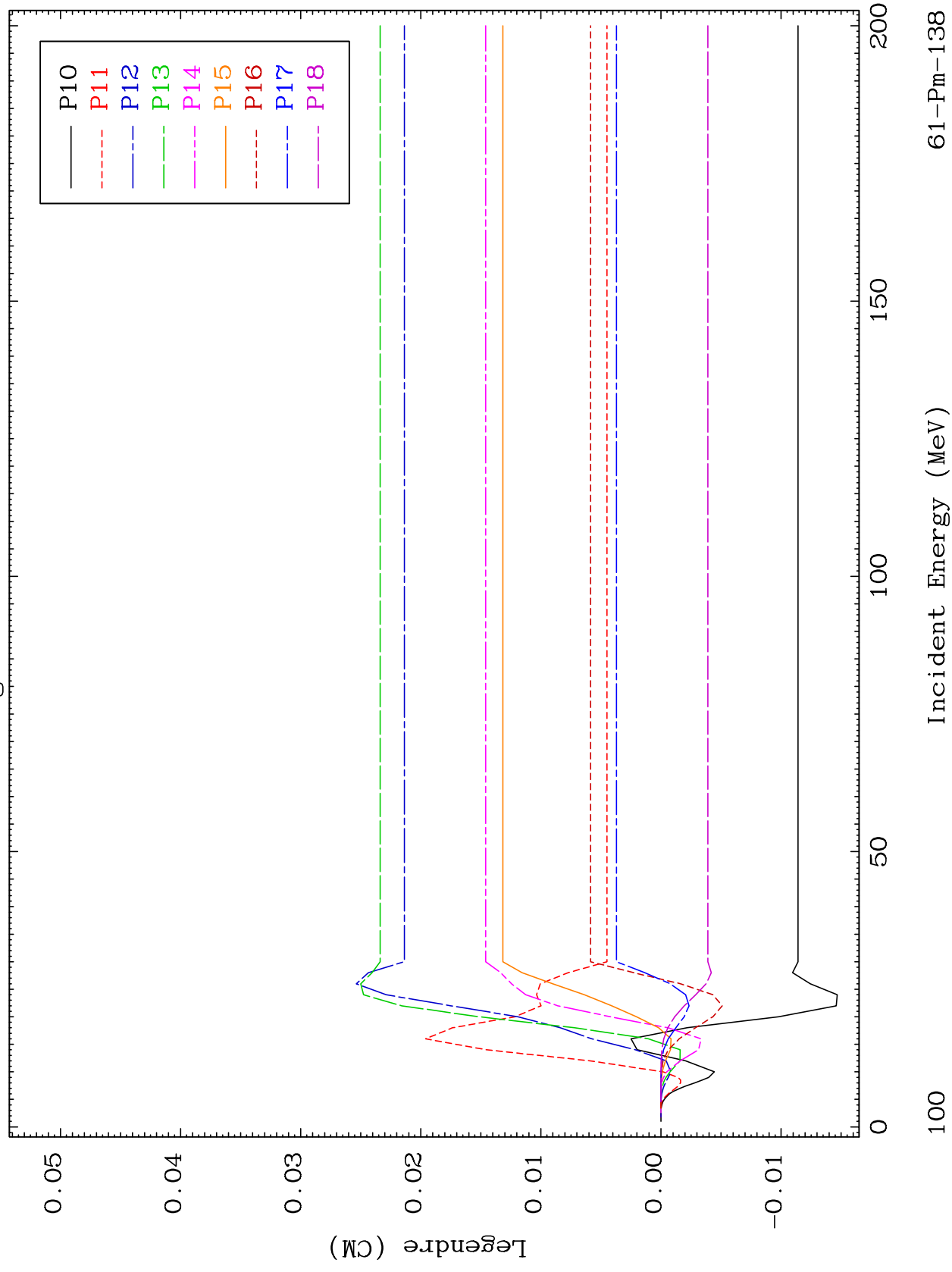
61-Pm-138

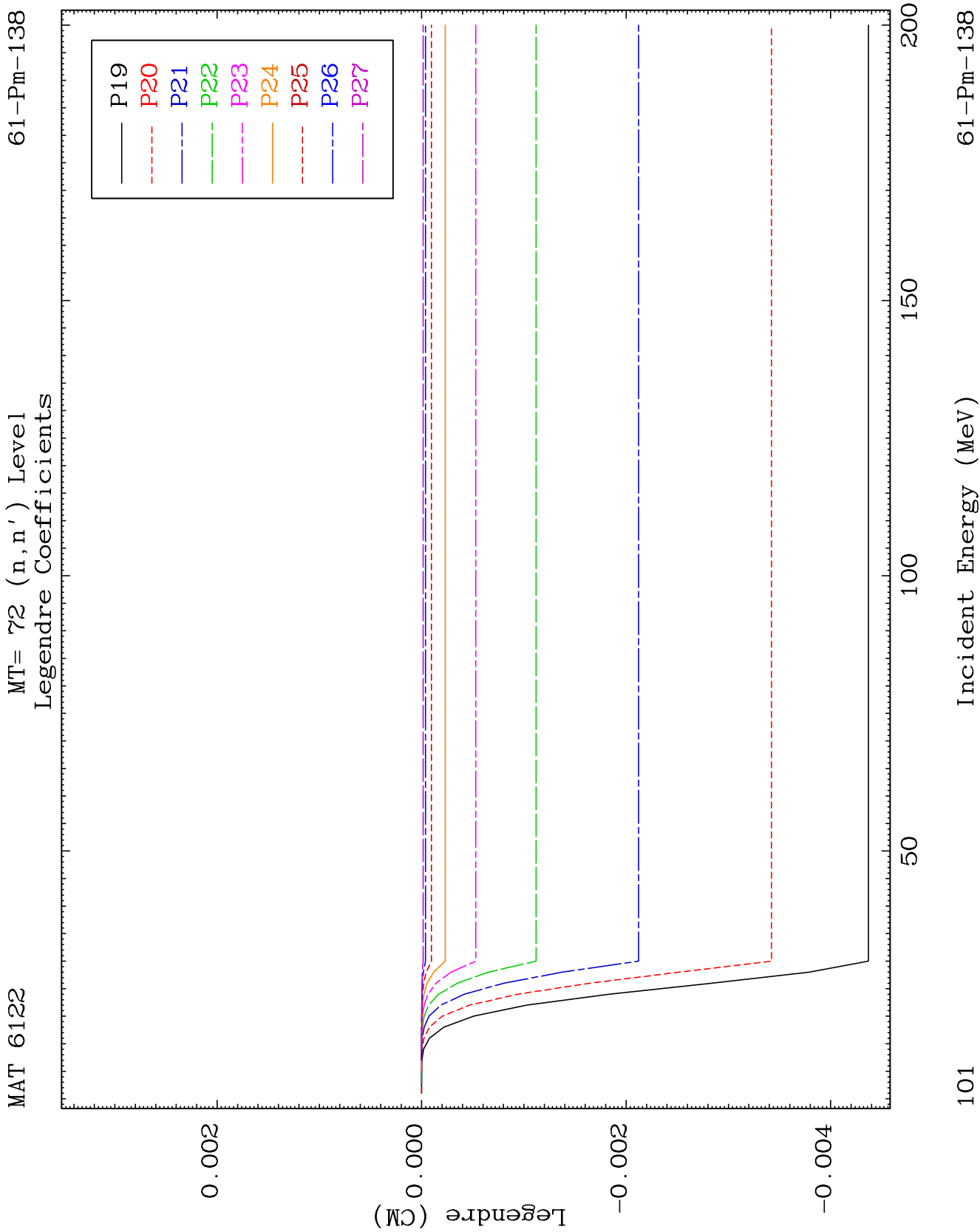


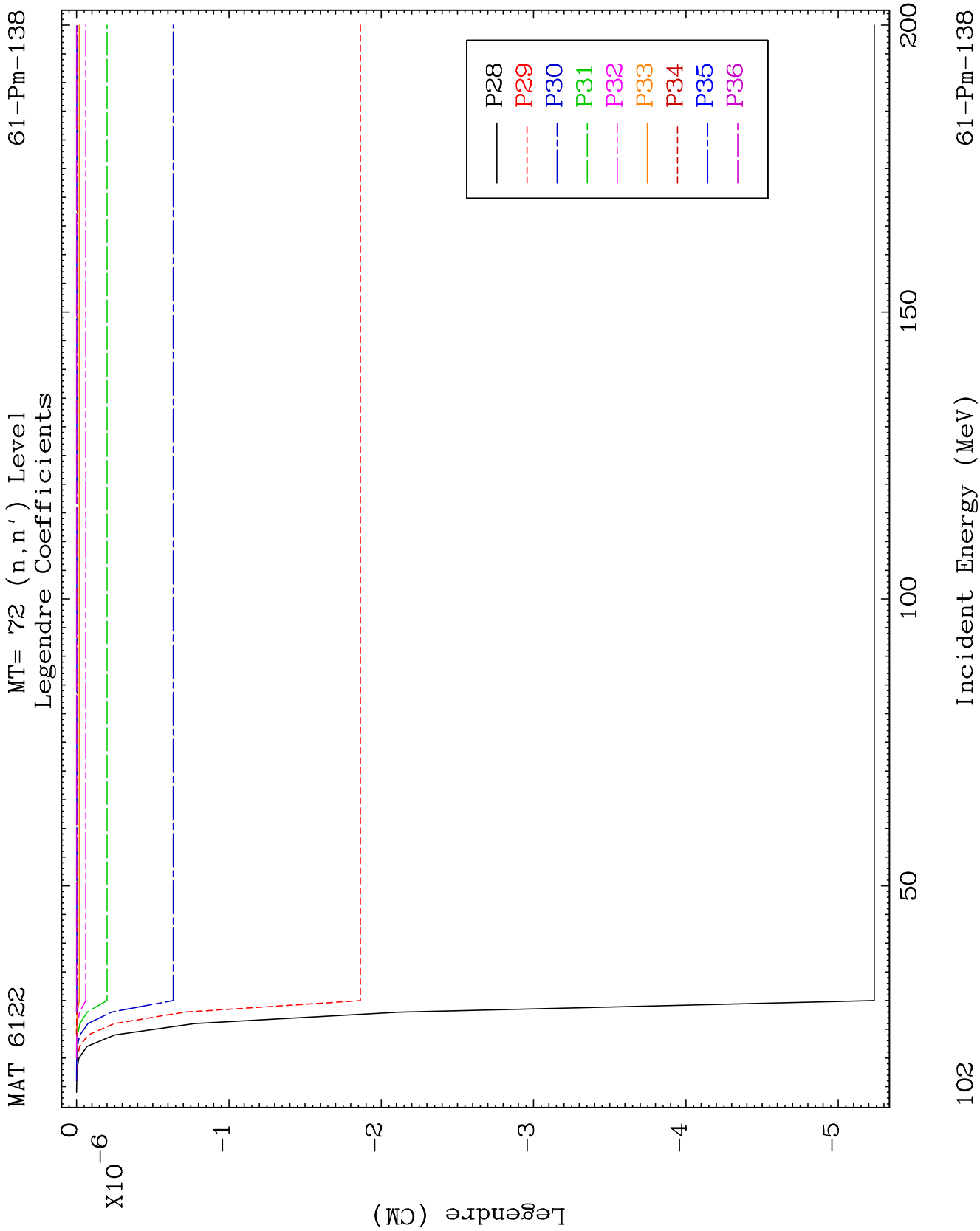
MAT 6122

MT= 72 (n, n') Level
Legendre Coefficients

61-Pm-138



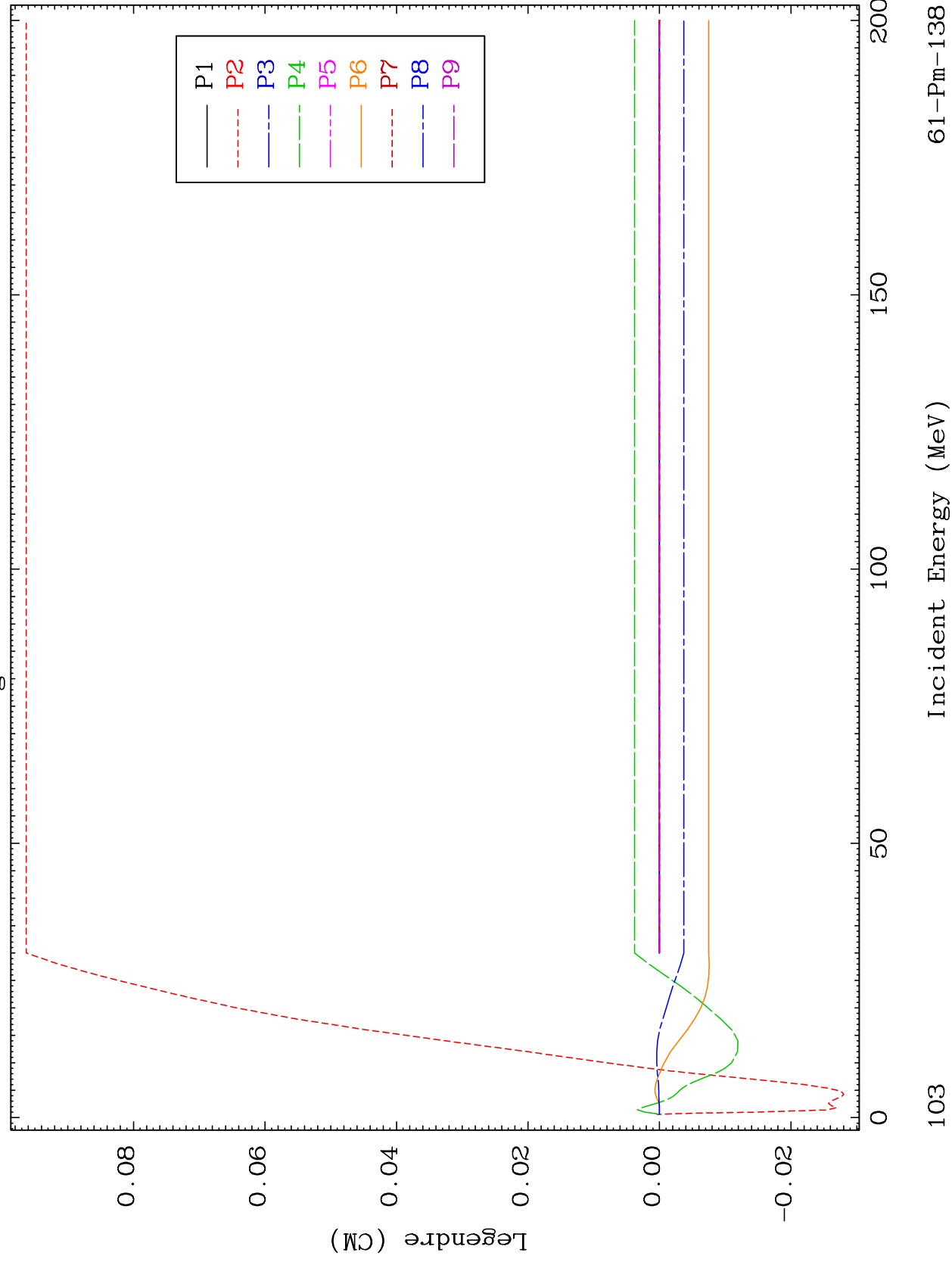




MAT 6122

MT= 73 (n, n') Level
Legendre Coefficients

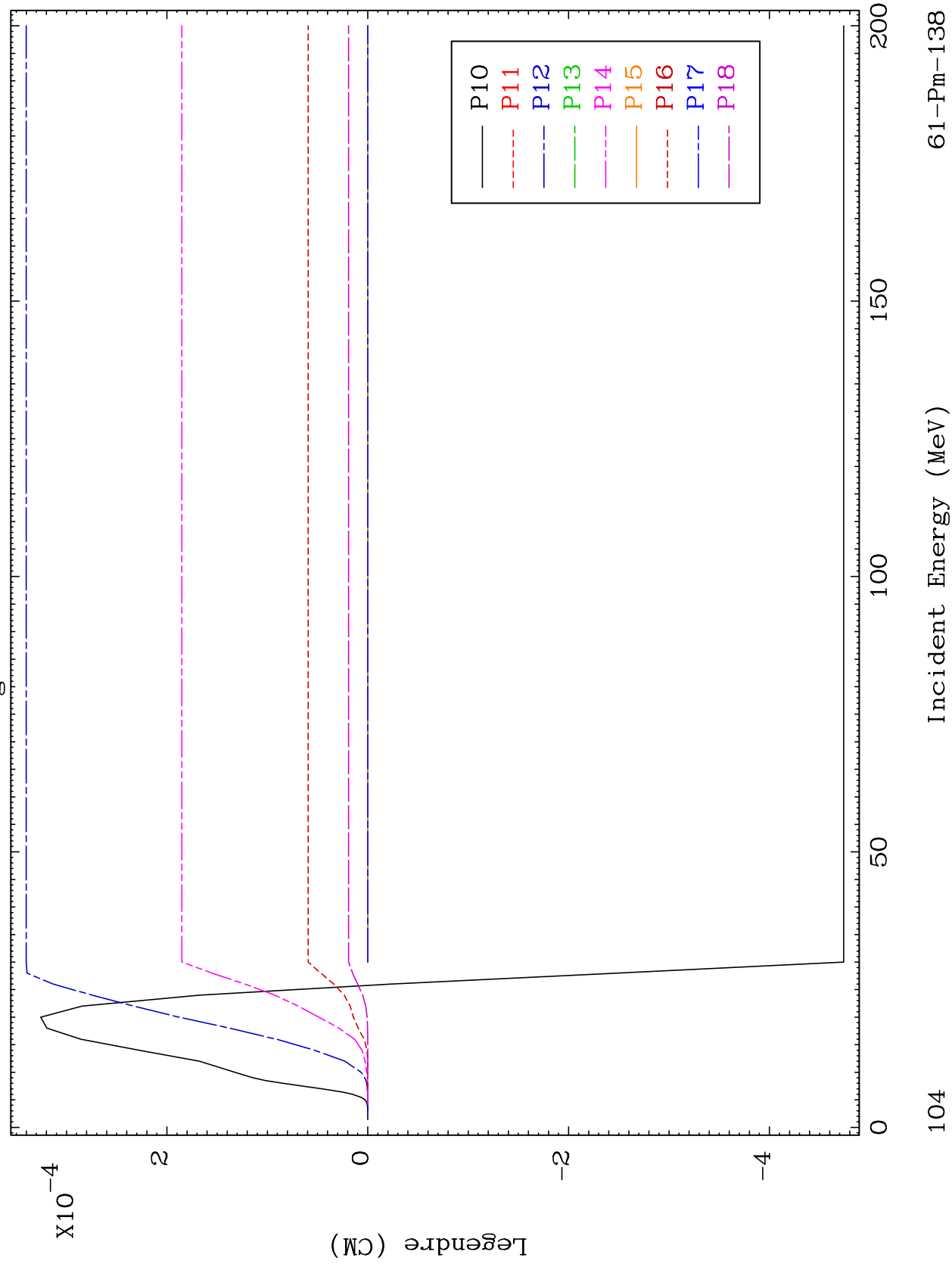
61-Pm-138

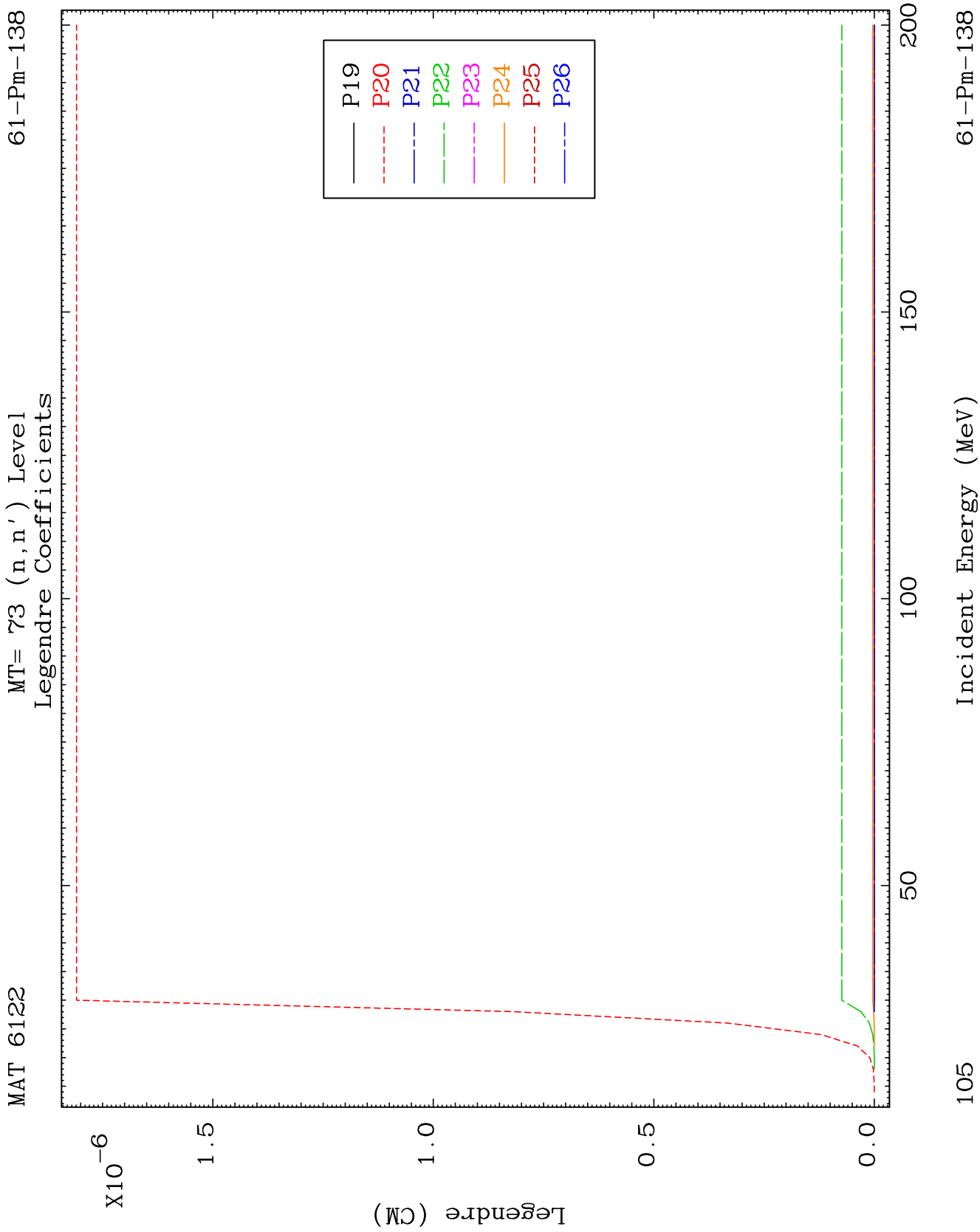


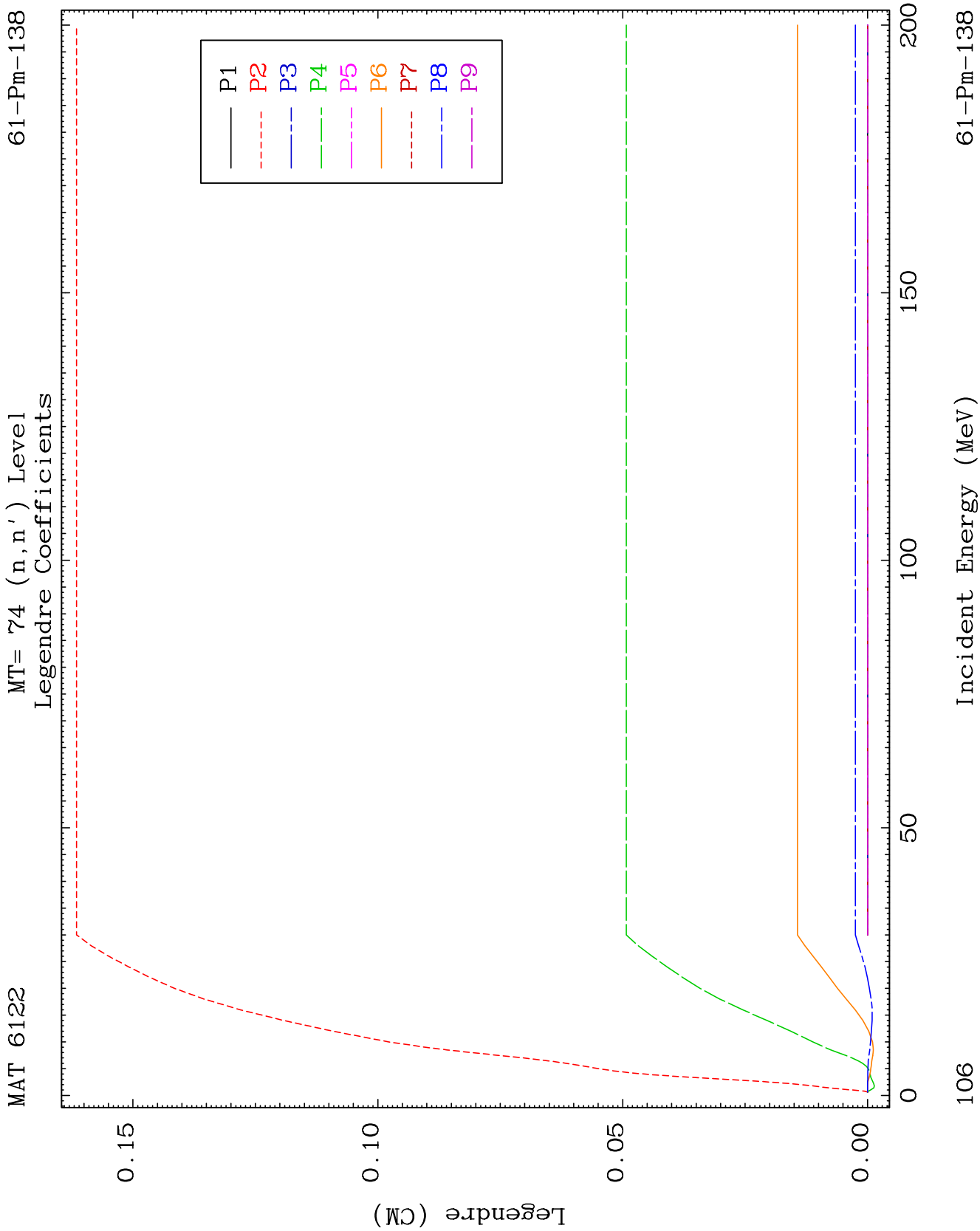
MAT 6122

MT= 73 (n, n') Level
Legendre Coefficients

61-Pm-138



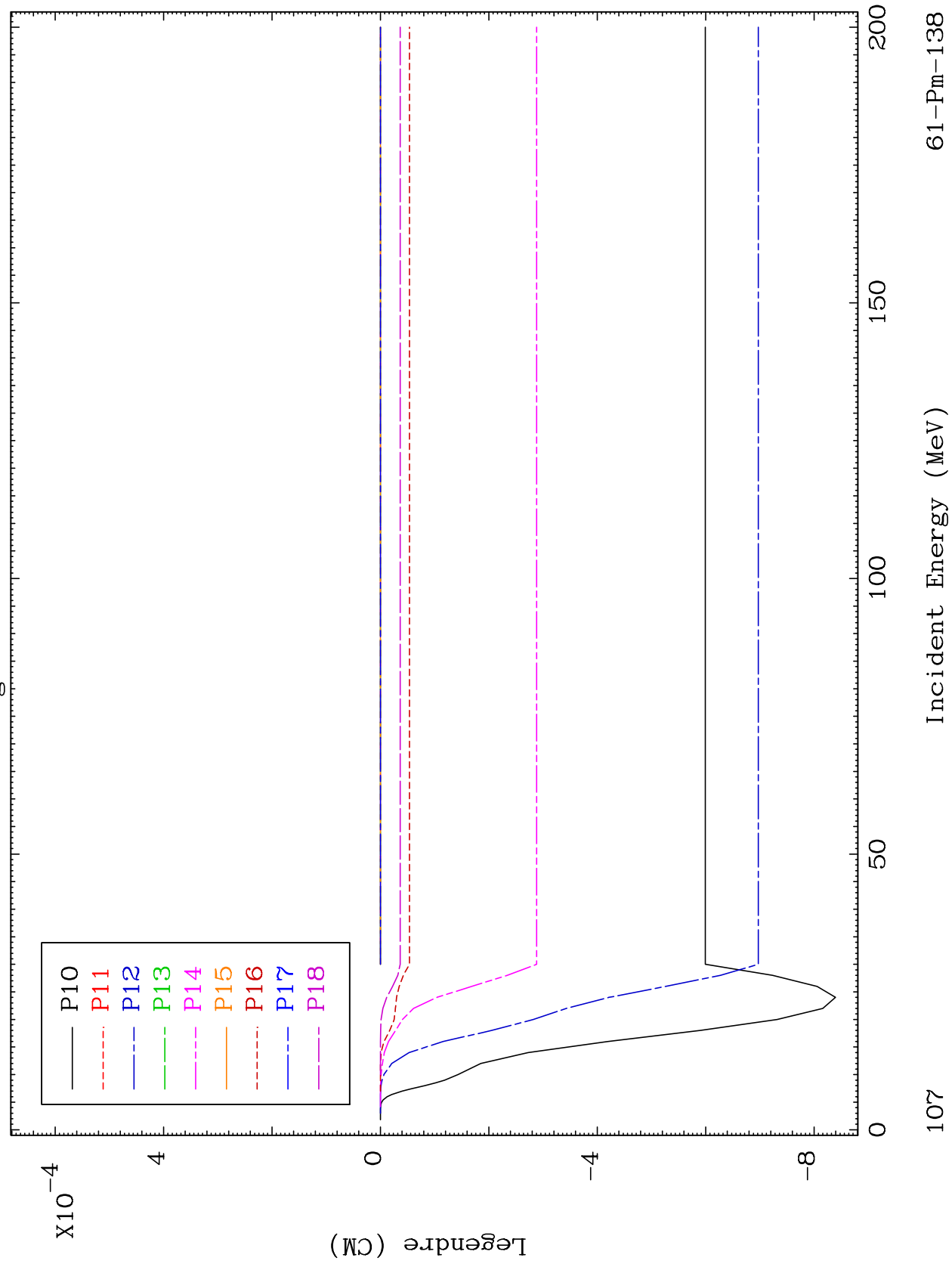


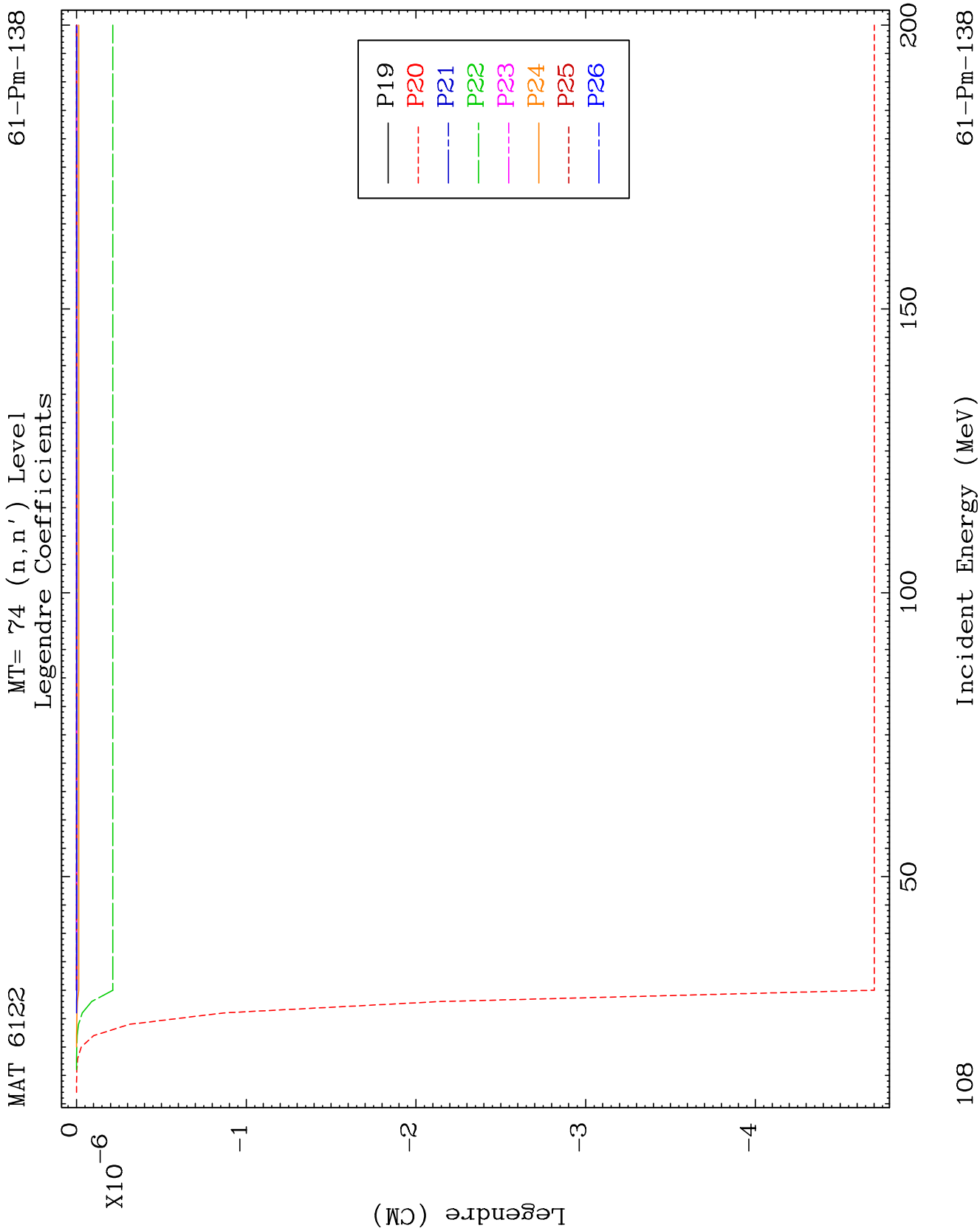


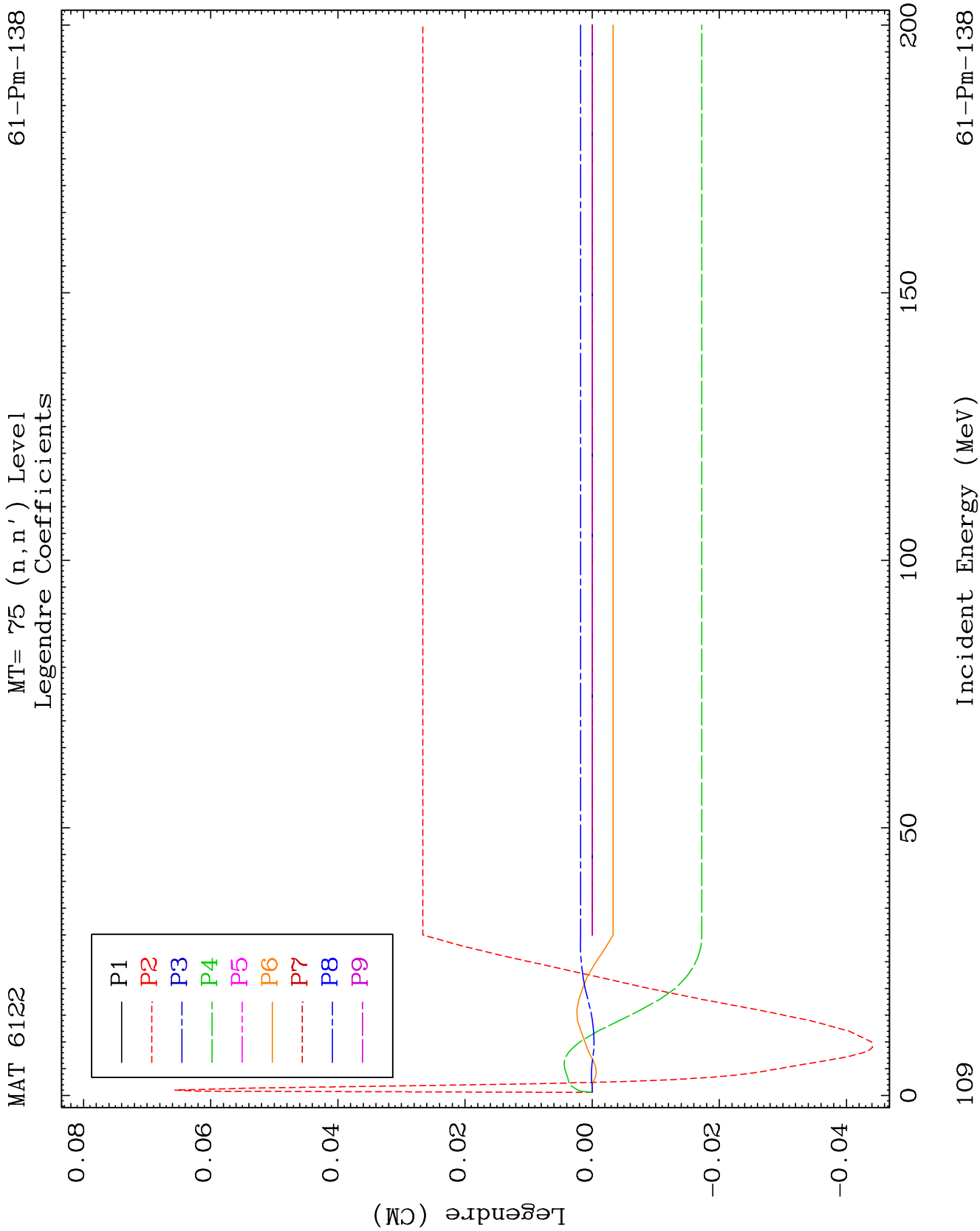
MAT 6122

MT= 74 (n, n') Level
Legendre Coefficients

61-Pm-138



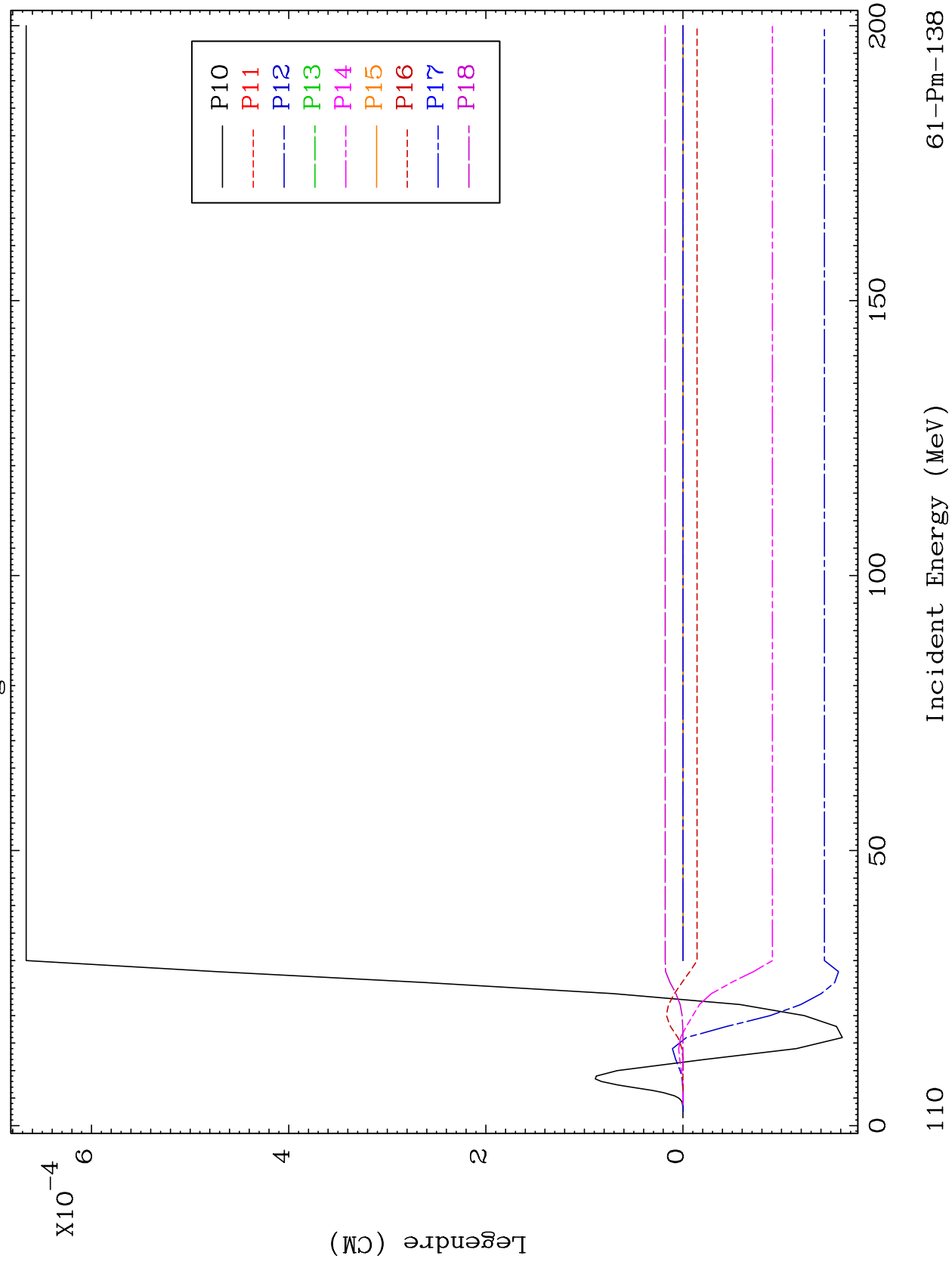




MAT 6122

MT= 75 (n, n') Level
Legendre Coefficients

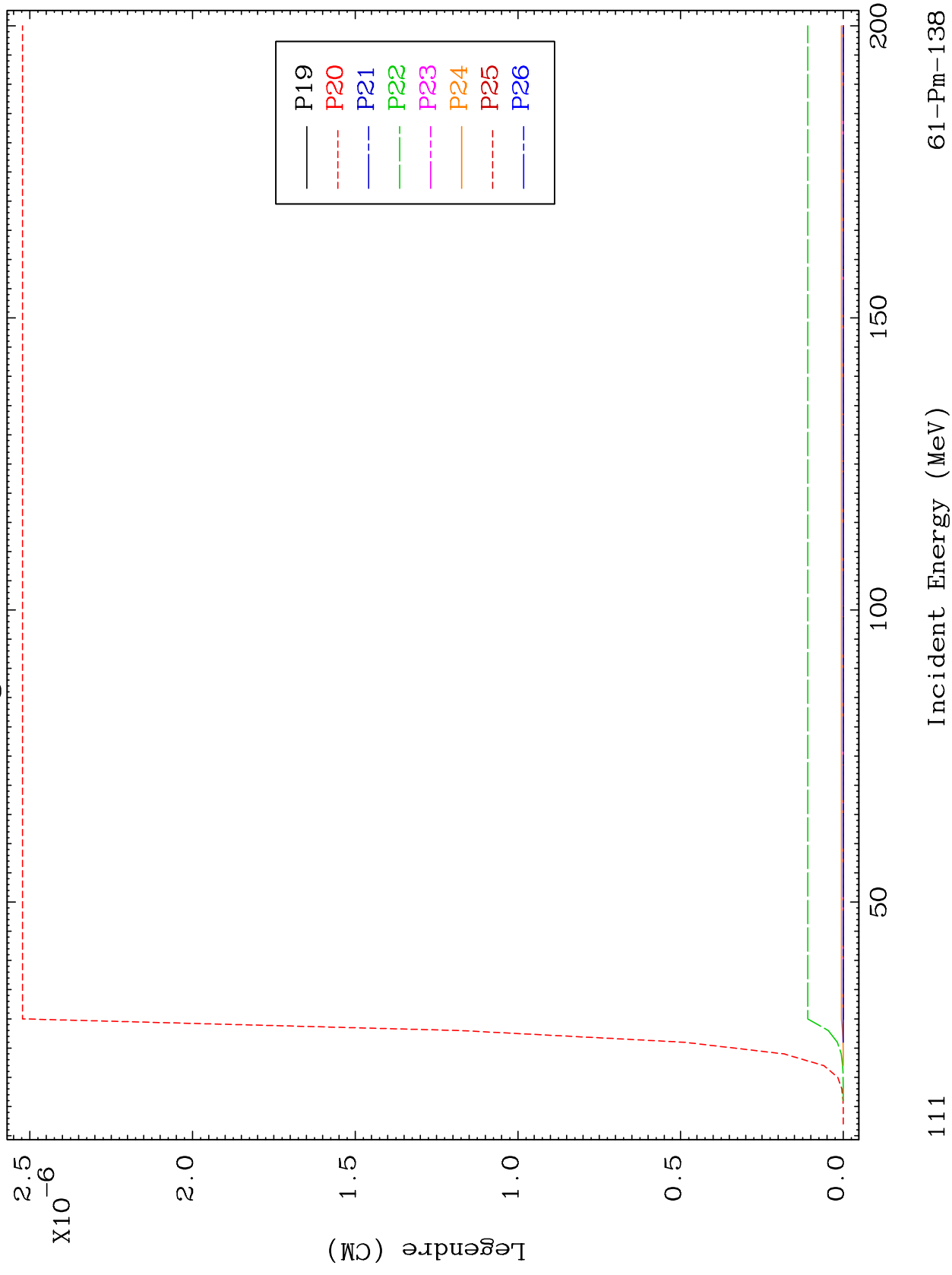
61-Pm-138



MAT 6122

MT= 75 (n, n') Level
Legendre Coefficients

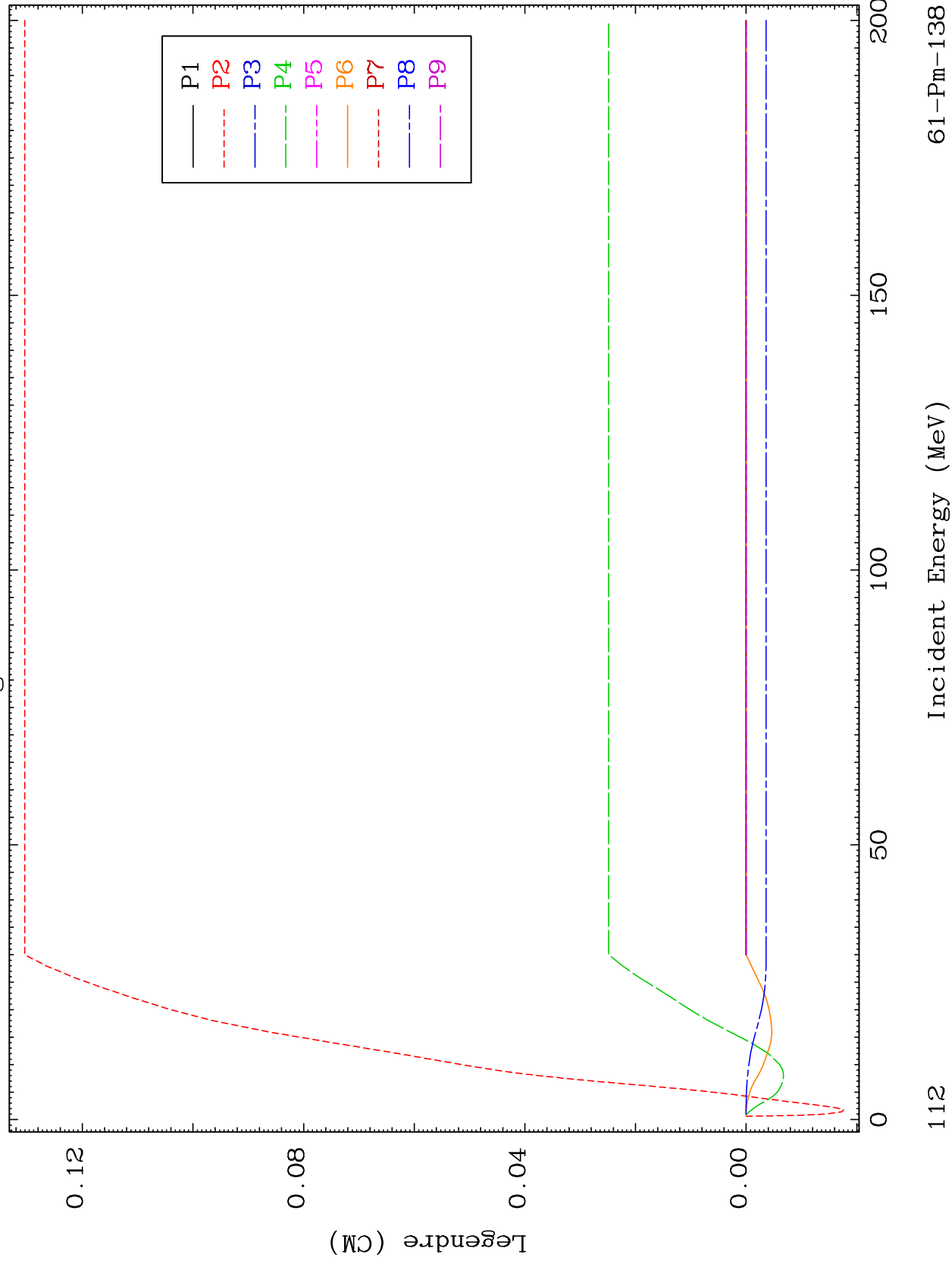
61-Pm-138



MAT 6122

MT= 76 (n, n') Level
Legendre Coefficients

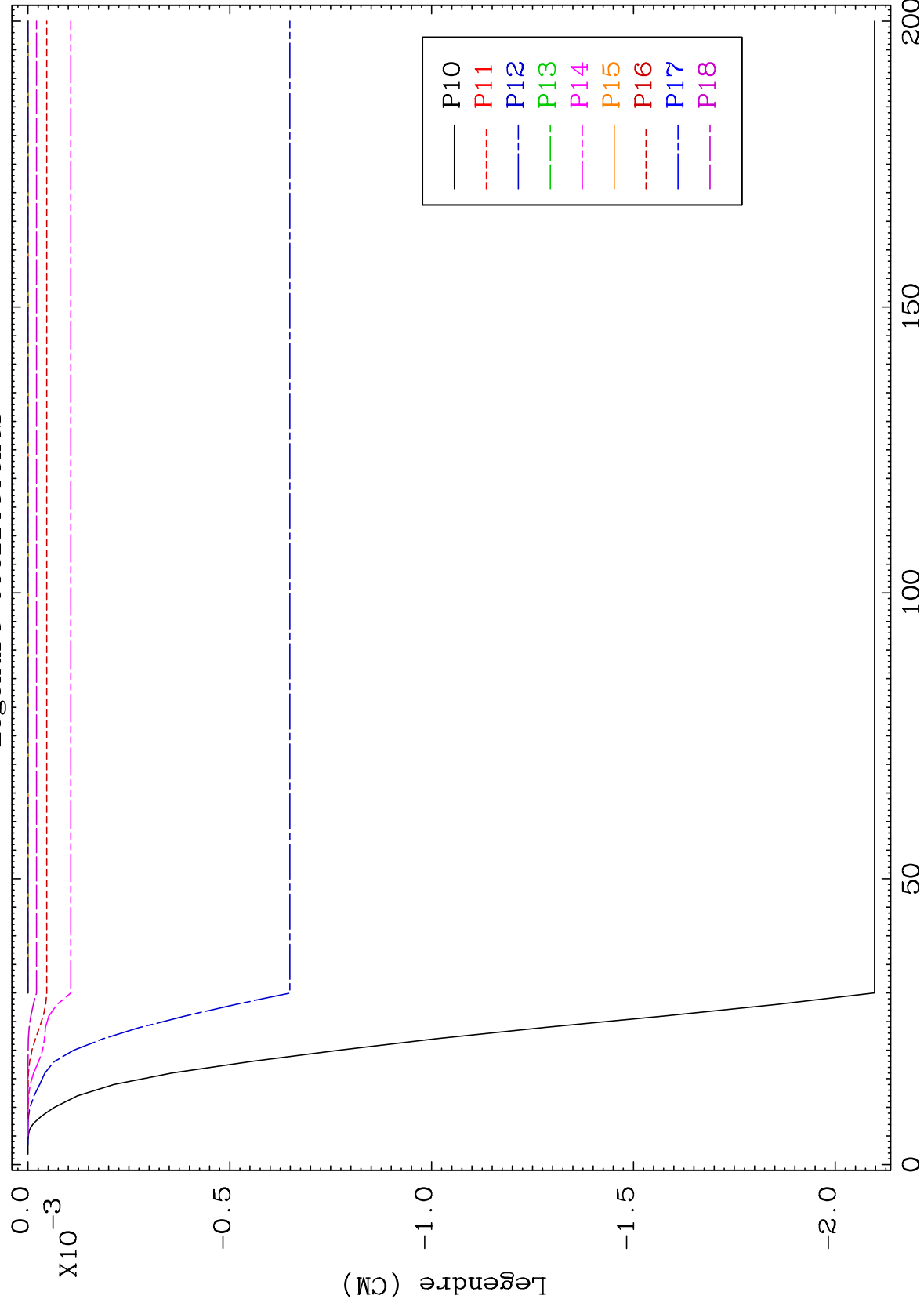
61-Pm-138

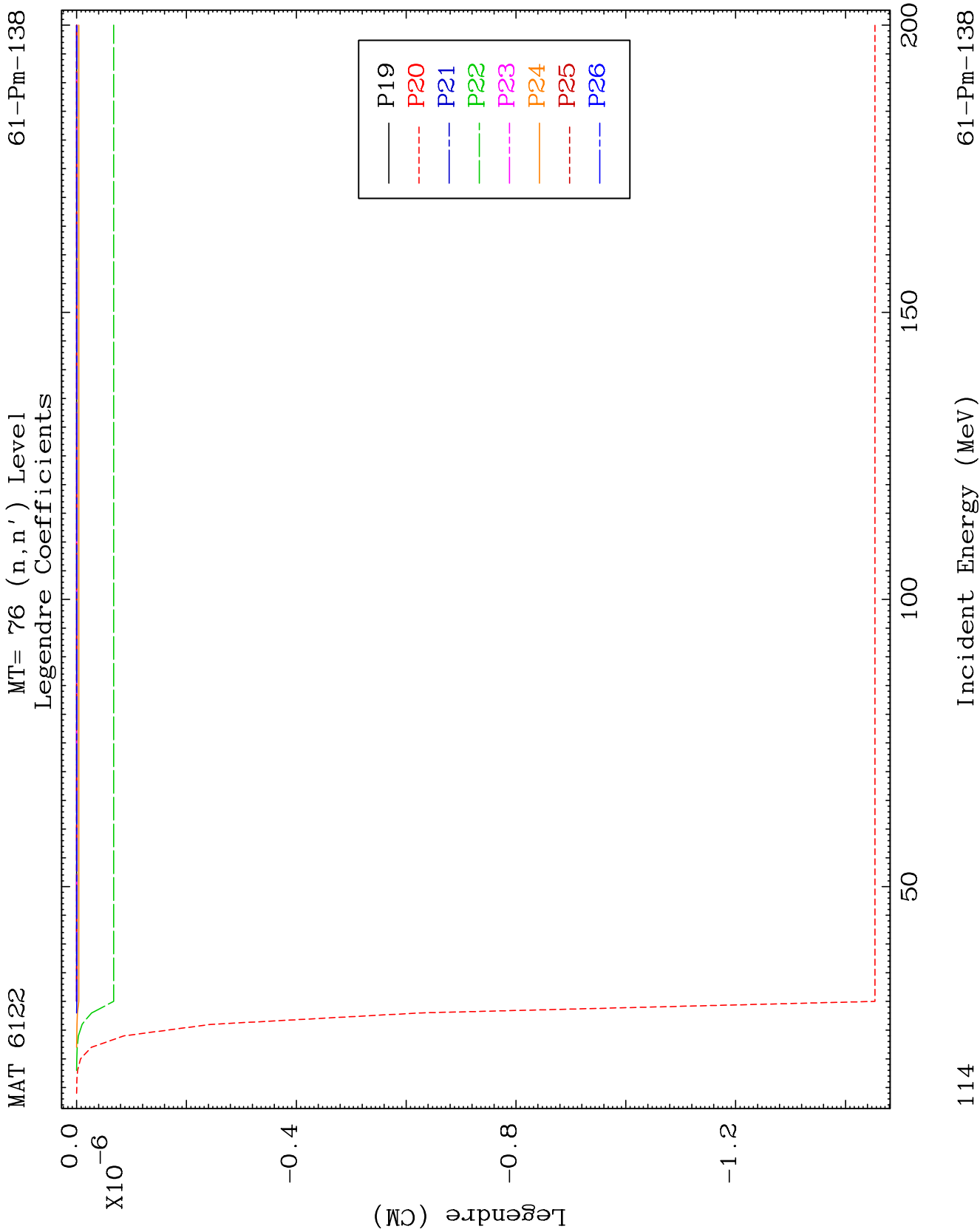


MAT 6122

MT= 76 (n, n') Level
Legendre Coefficients

61-Pm-138

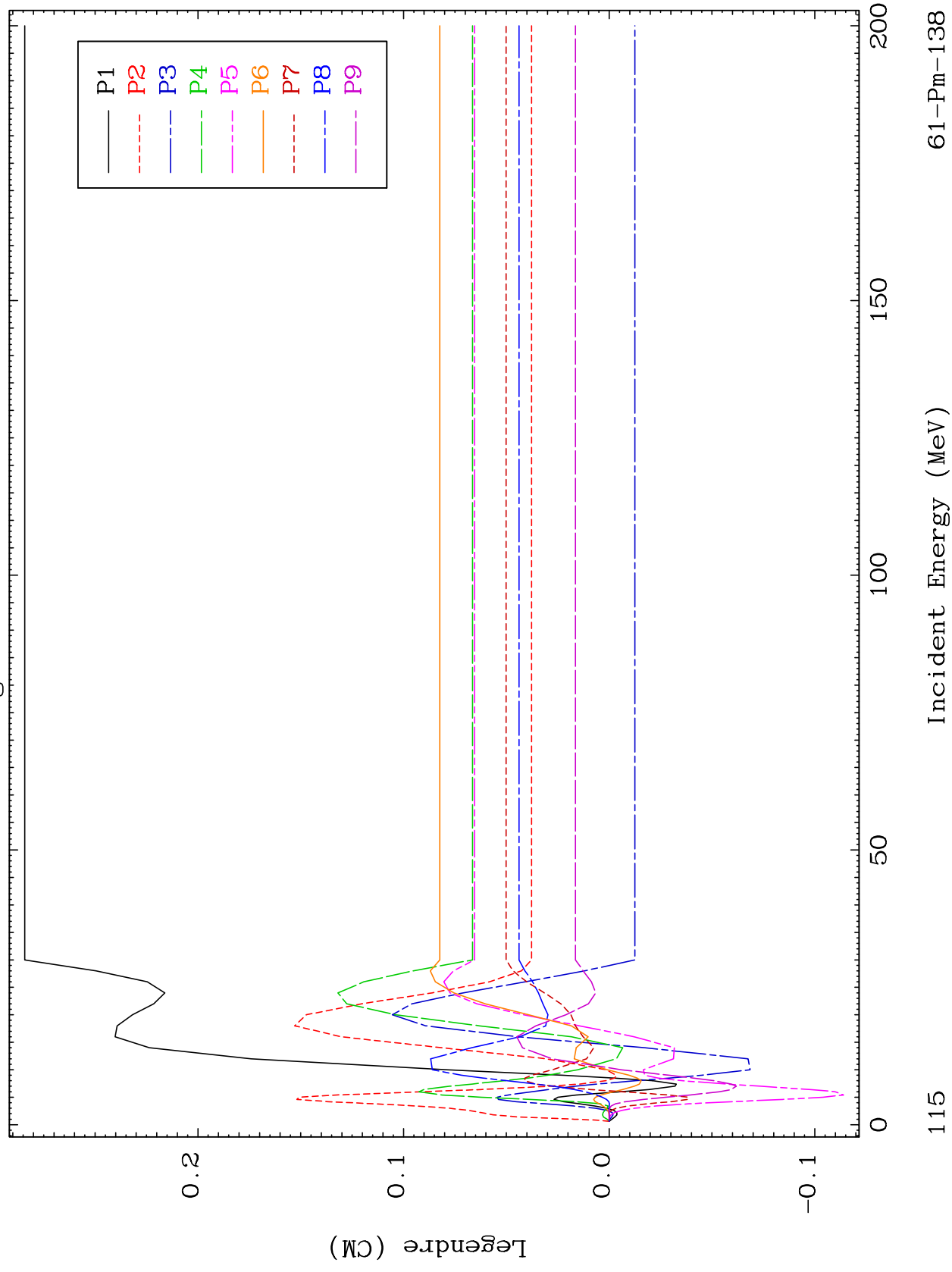


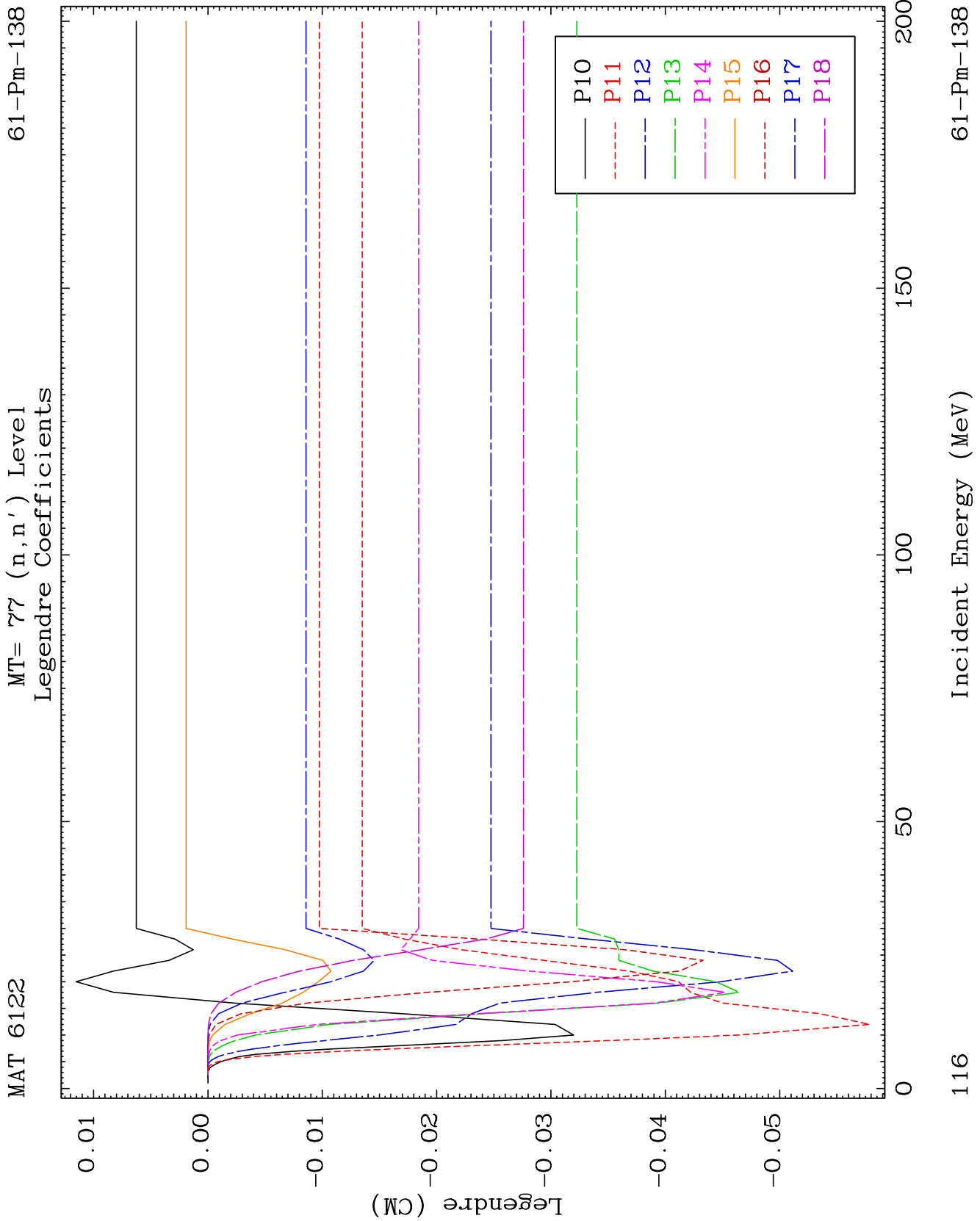


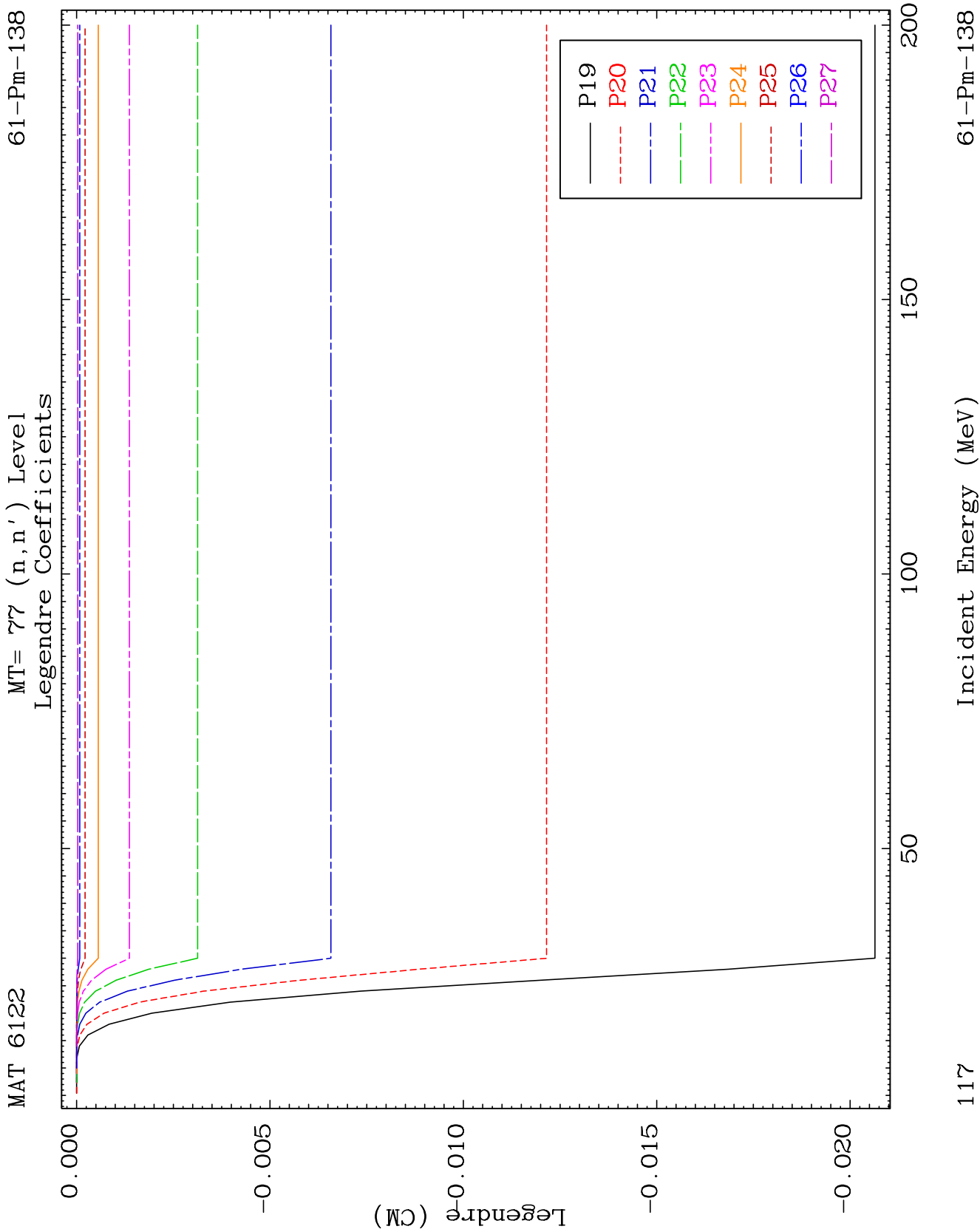
MAT 6122

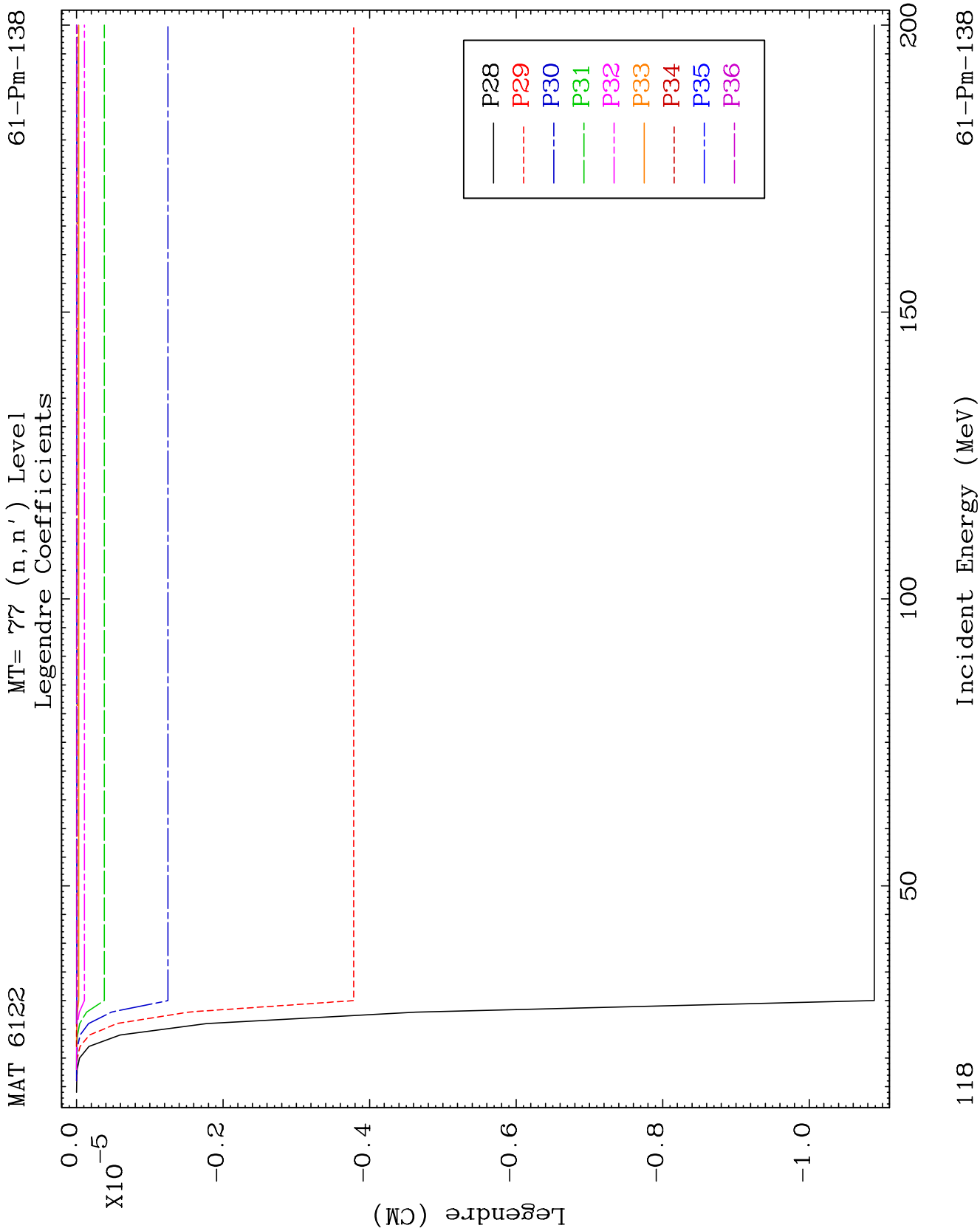
MT= 77 (n, n') Level
Legendre Coefficients

61-Pm-138





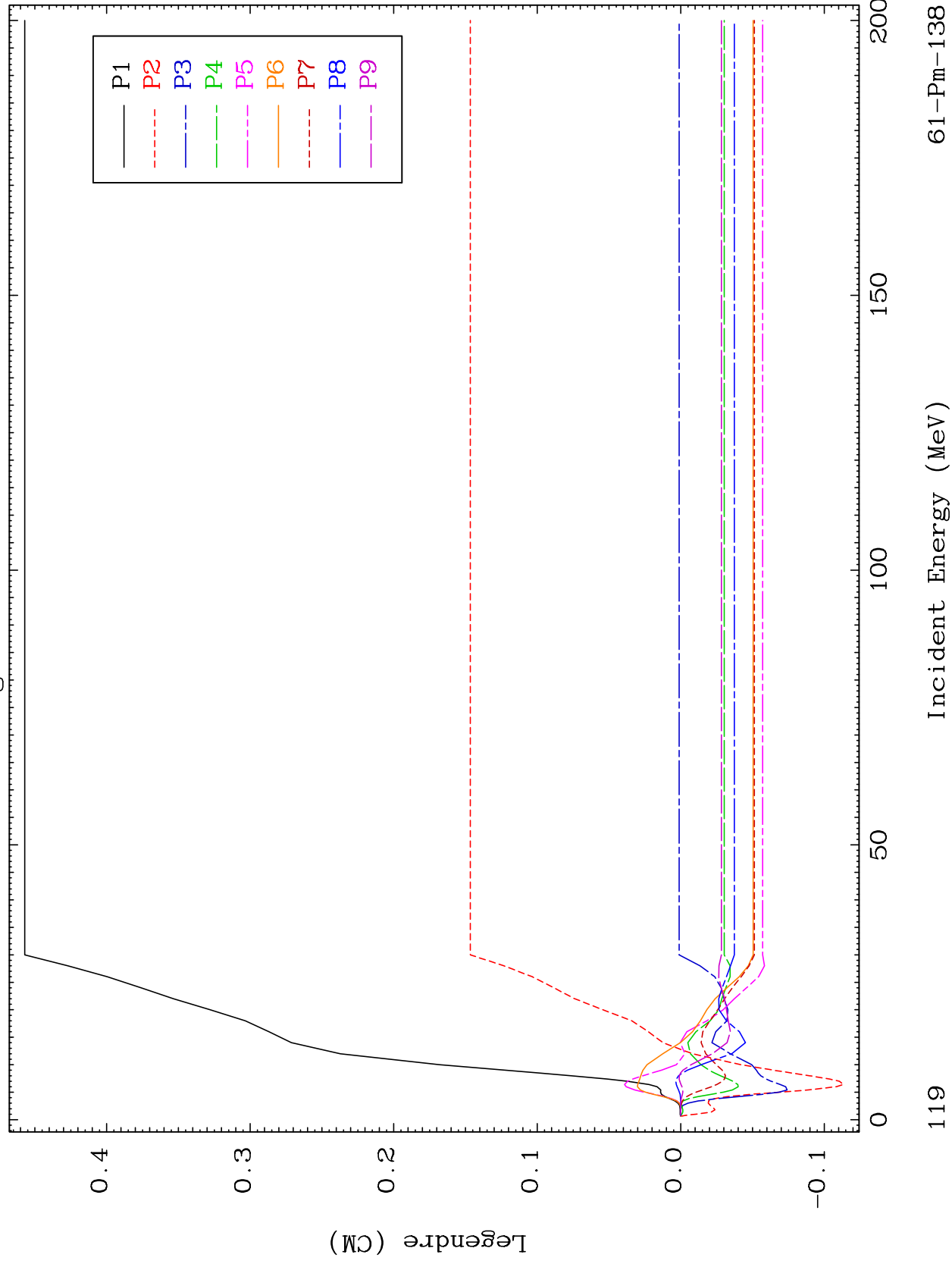




MAT 6122

MT= 78 (n, n') Level
Legendre Coefficients

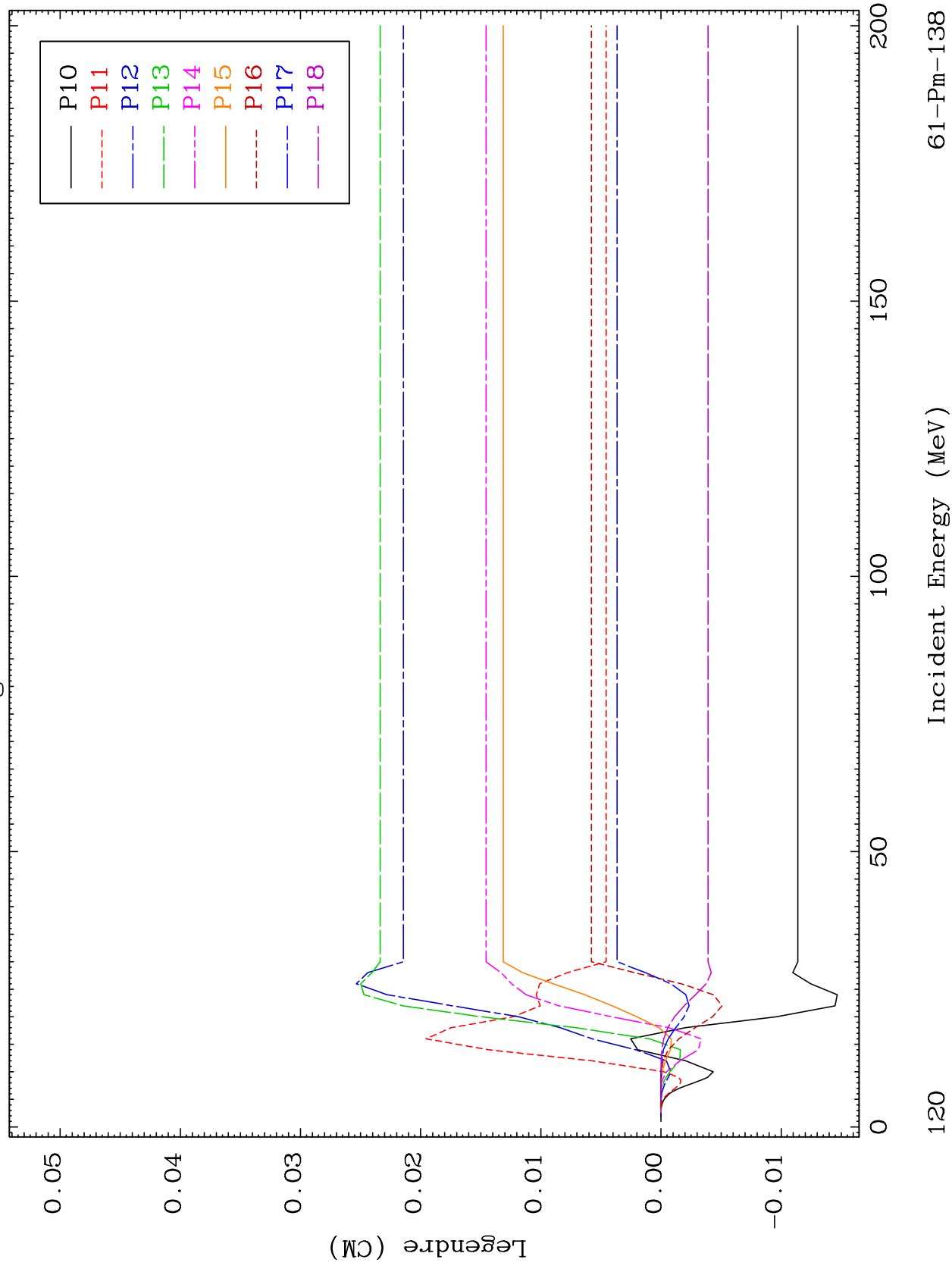
61-Pm-138

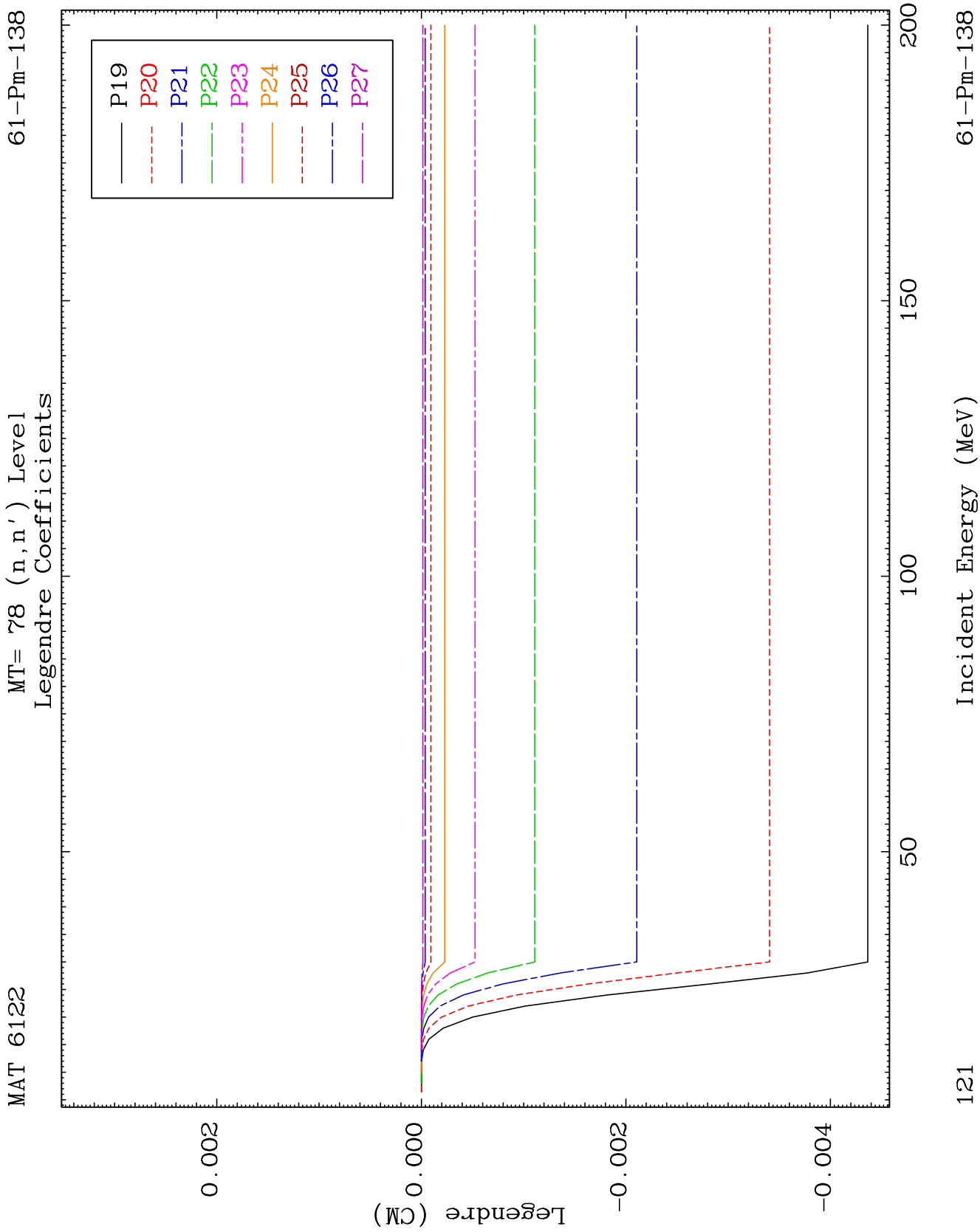


MAT 6122

MT= 78 (n, n') Level
Legendre Coefficients

61-Pm-138

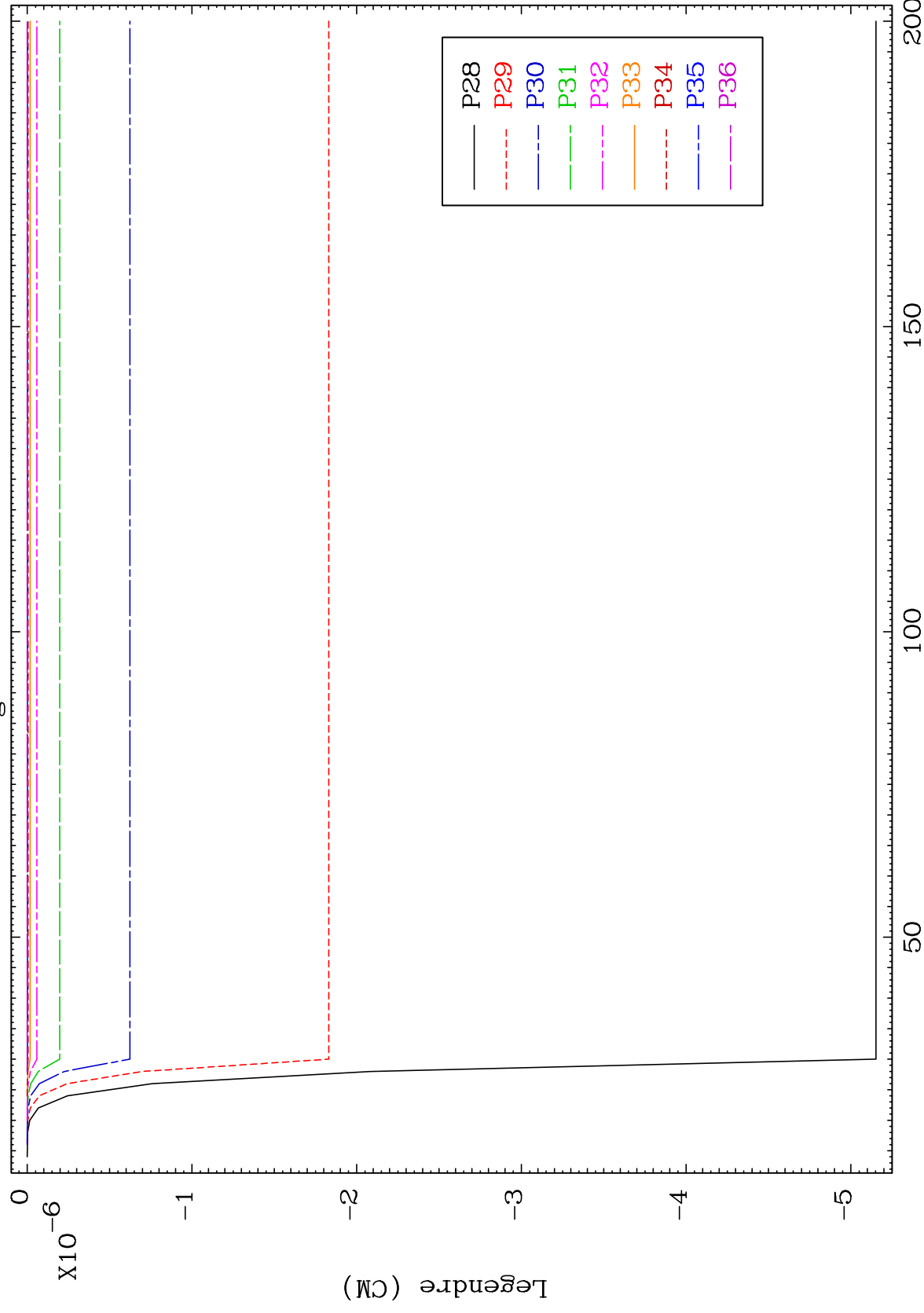




MAT 6122

MT= 78 (n, n') Level
Legendre Coefficients

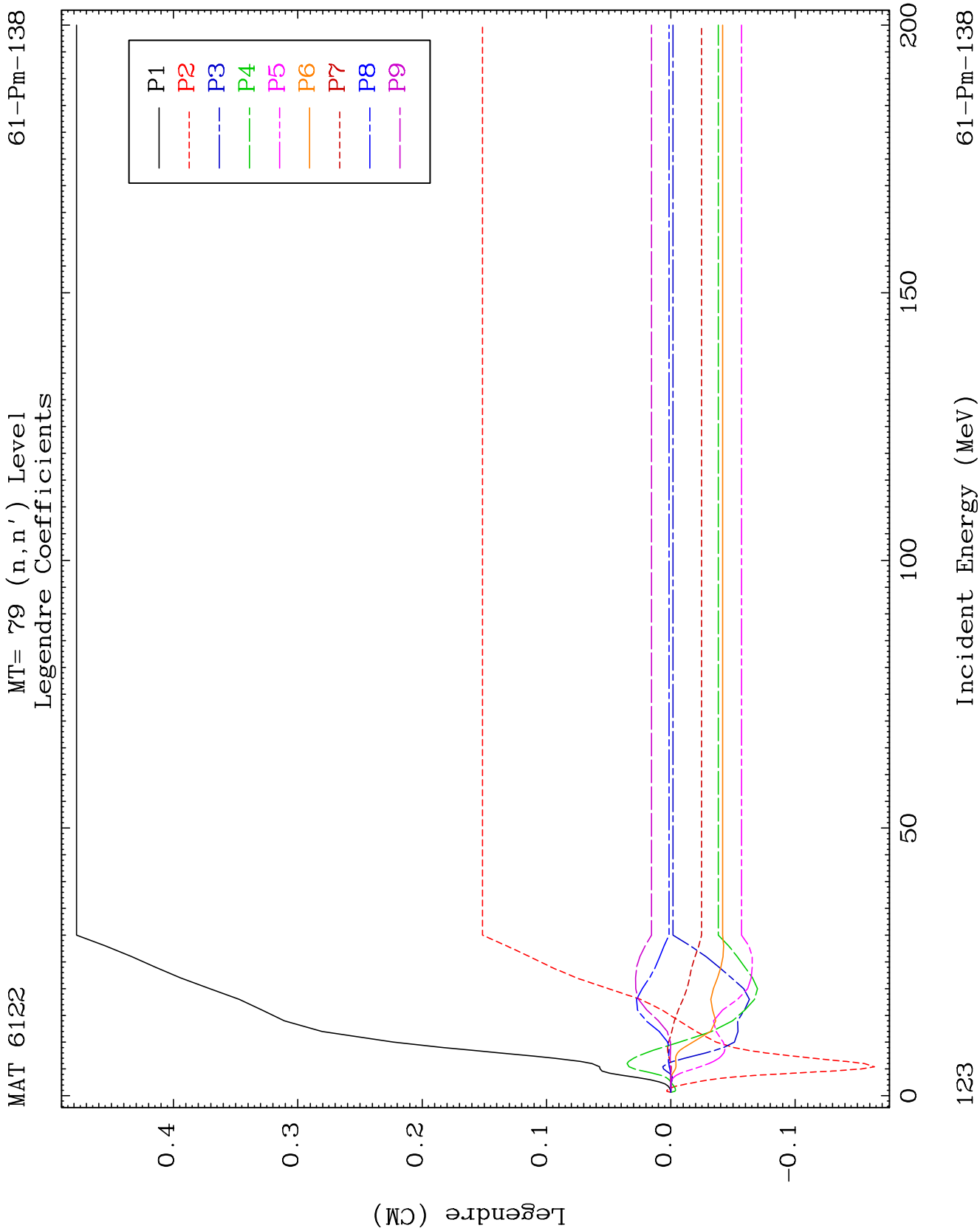
61-Pm-138



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Incident Energy (MeV)

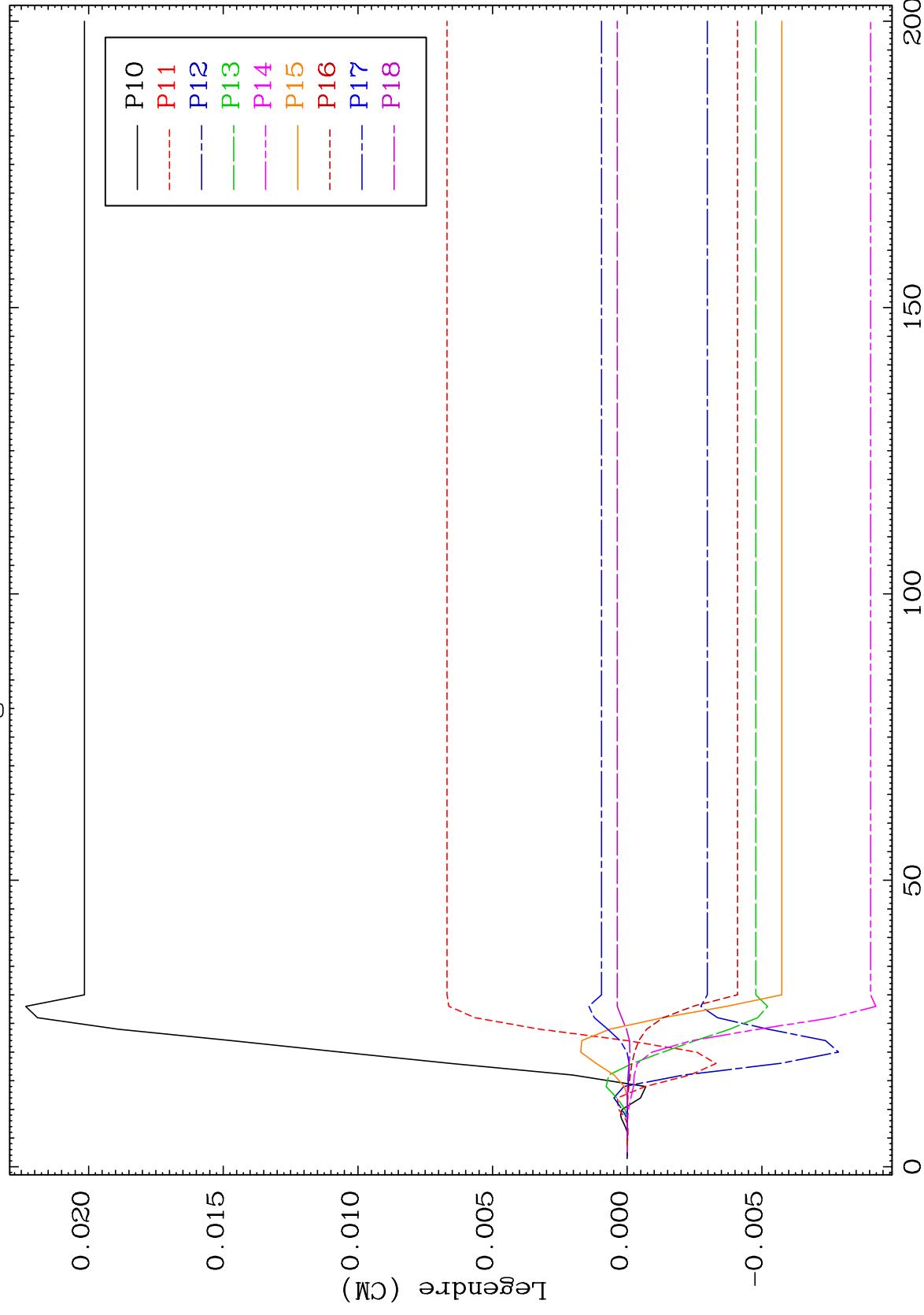
61-Pm-138



MAT 6122

MT= 79 (n, n') Level
Legendre Coefficients

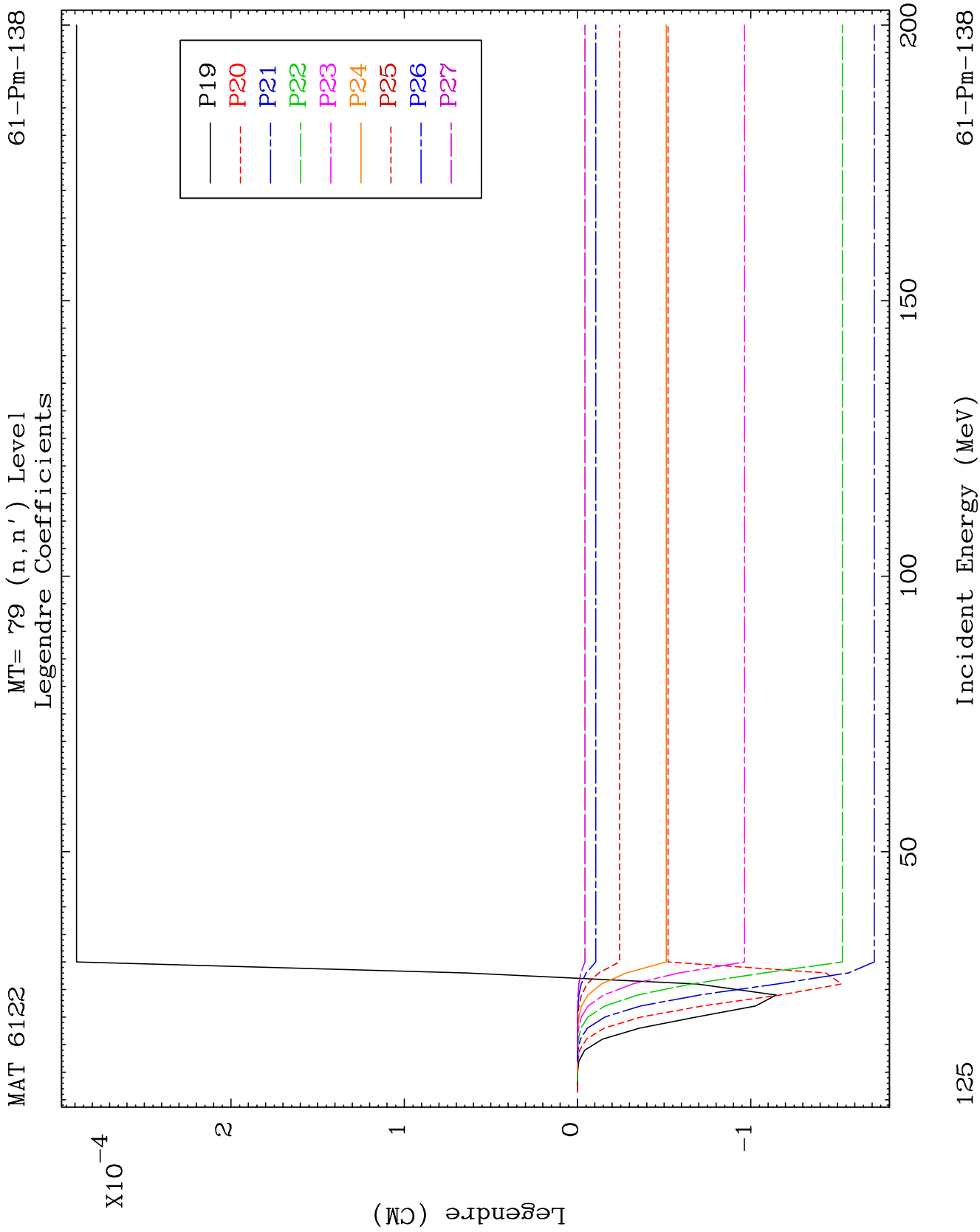
61-Pm-138

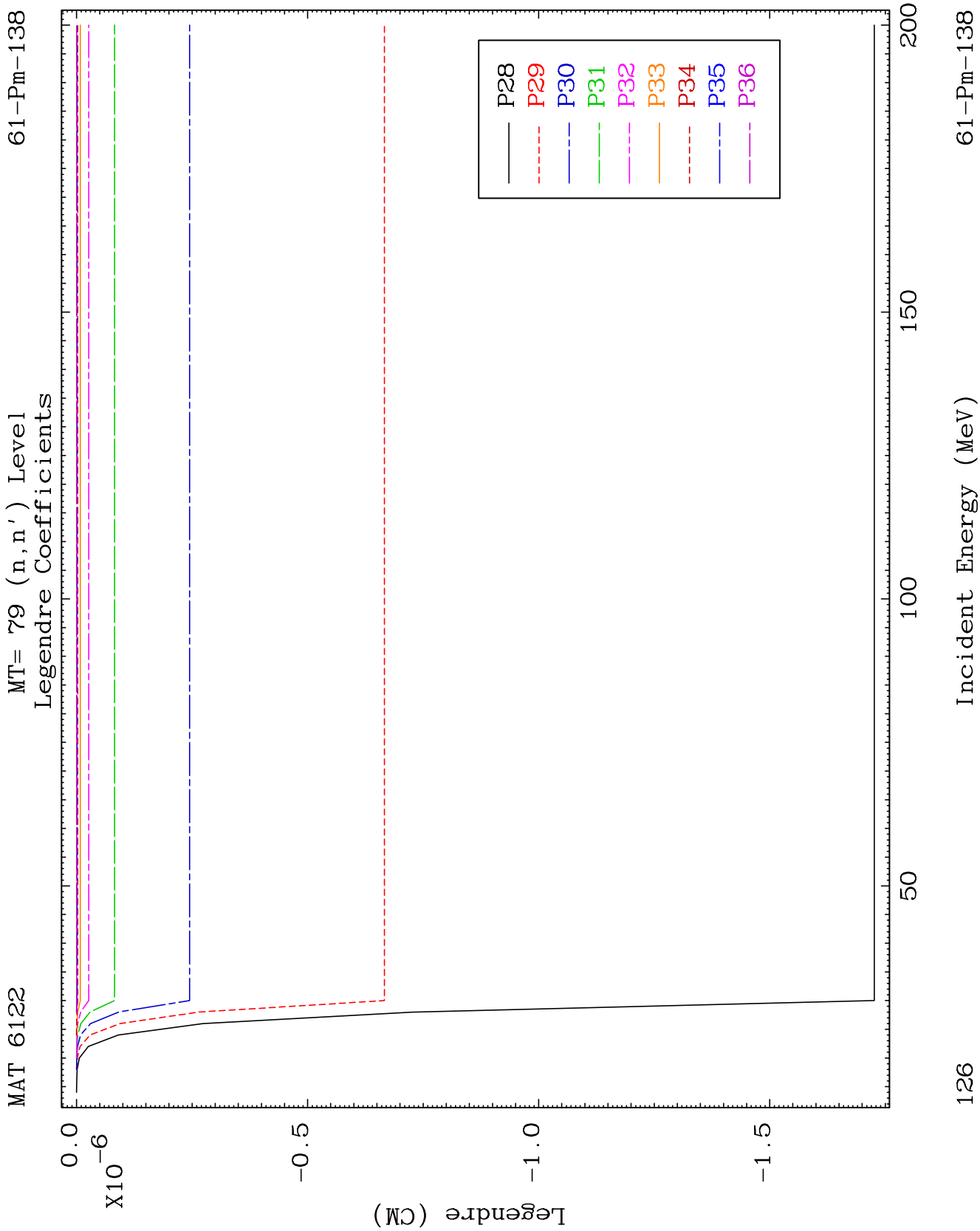


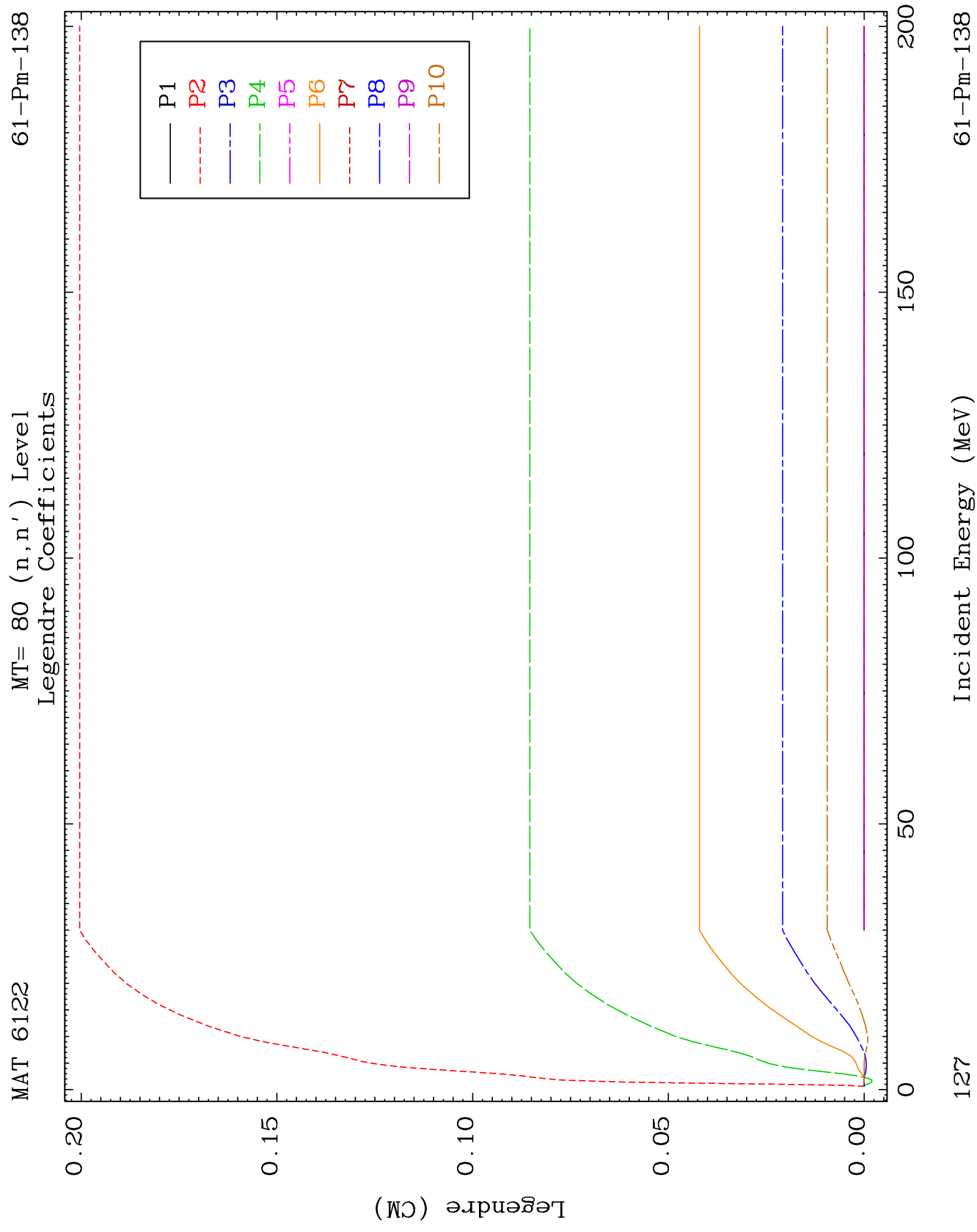
124

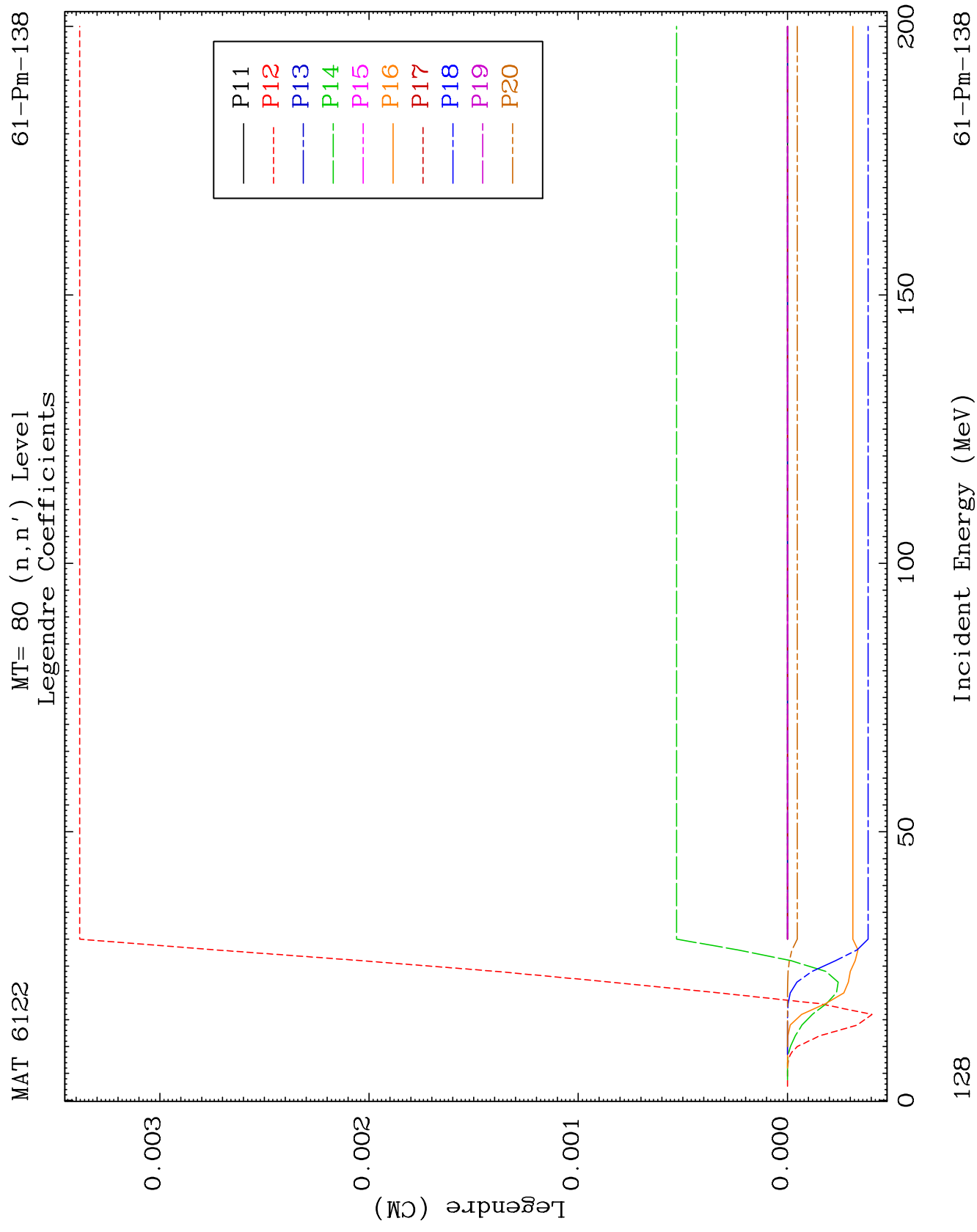
Incident Energy (MeV)

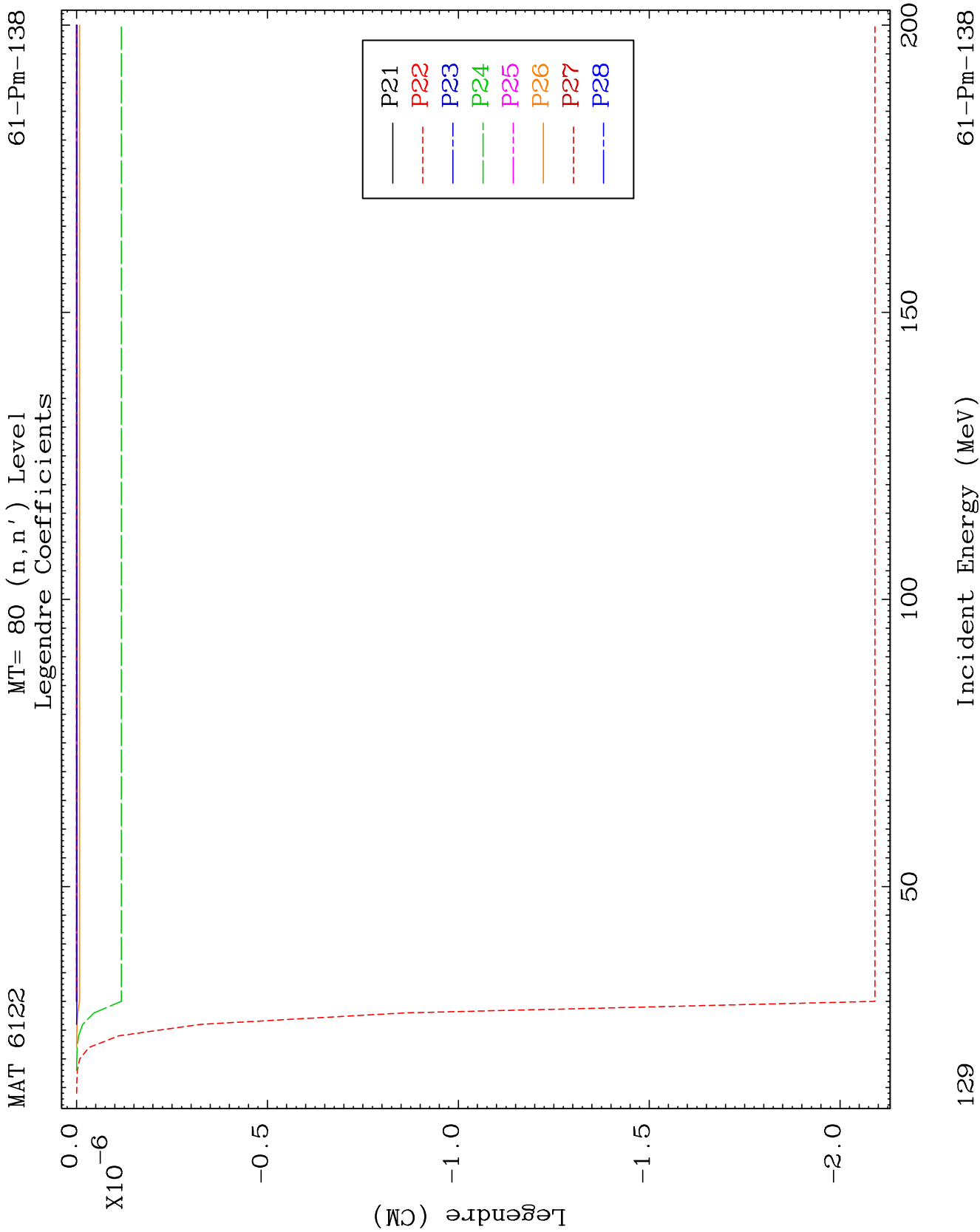
61-Pm-138

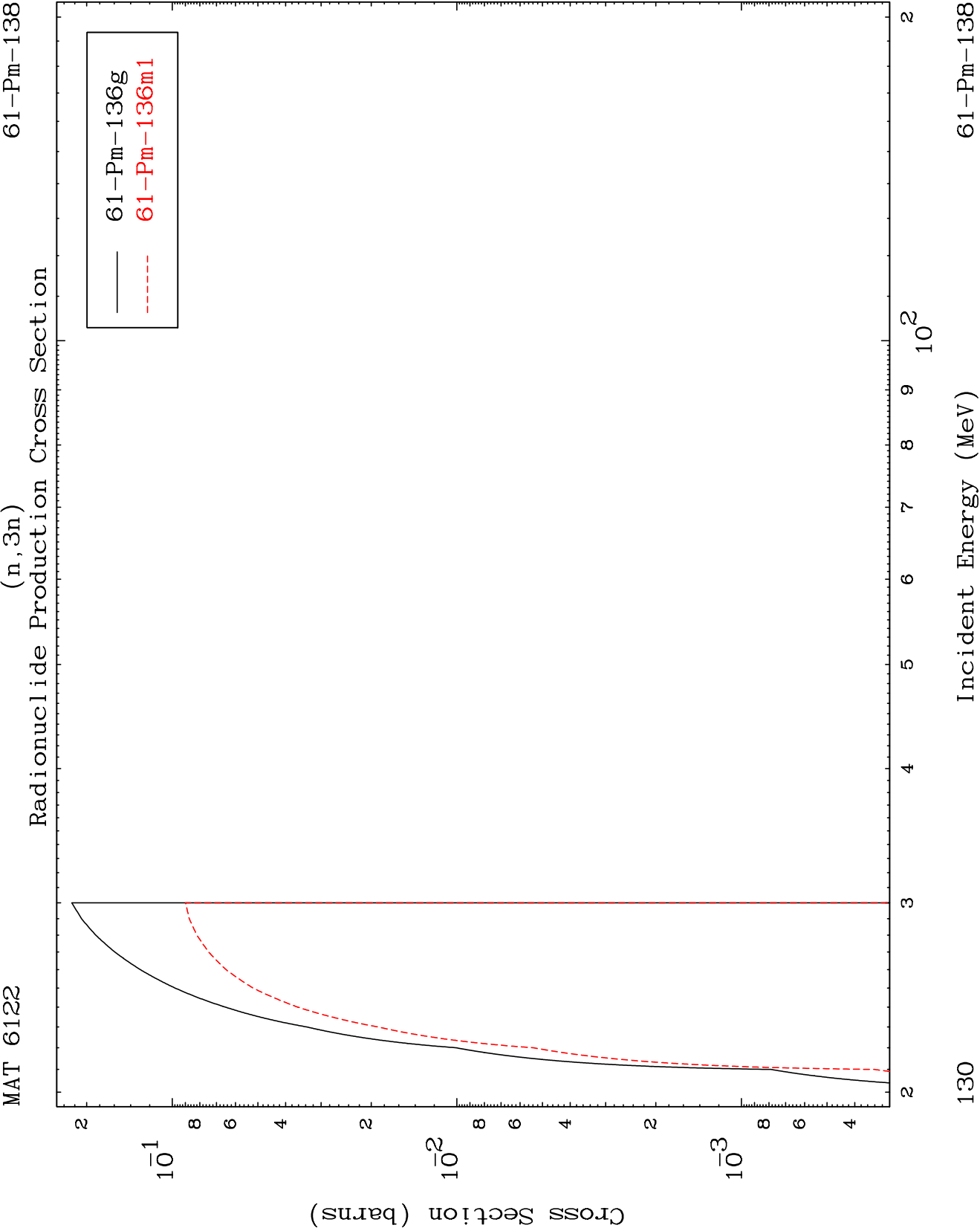








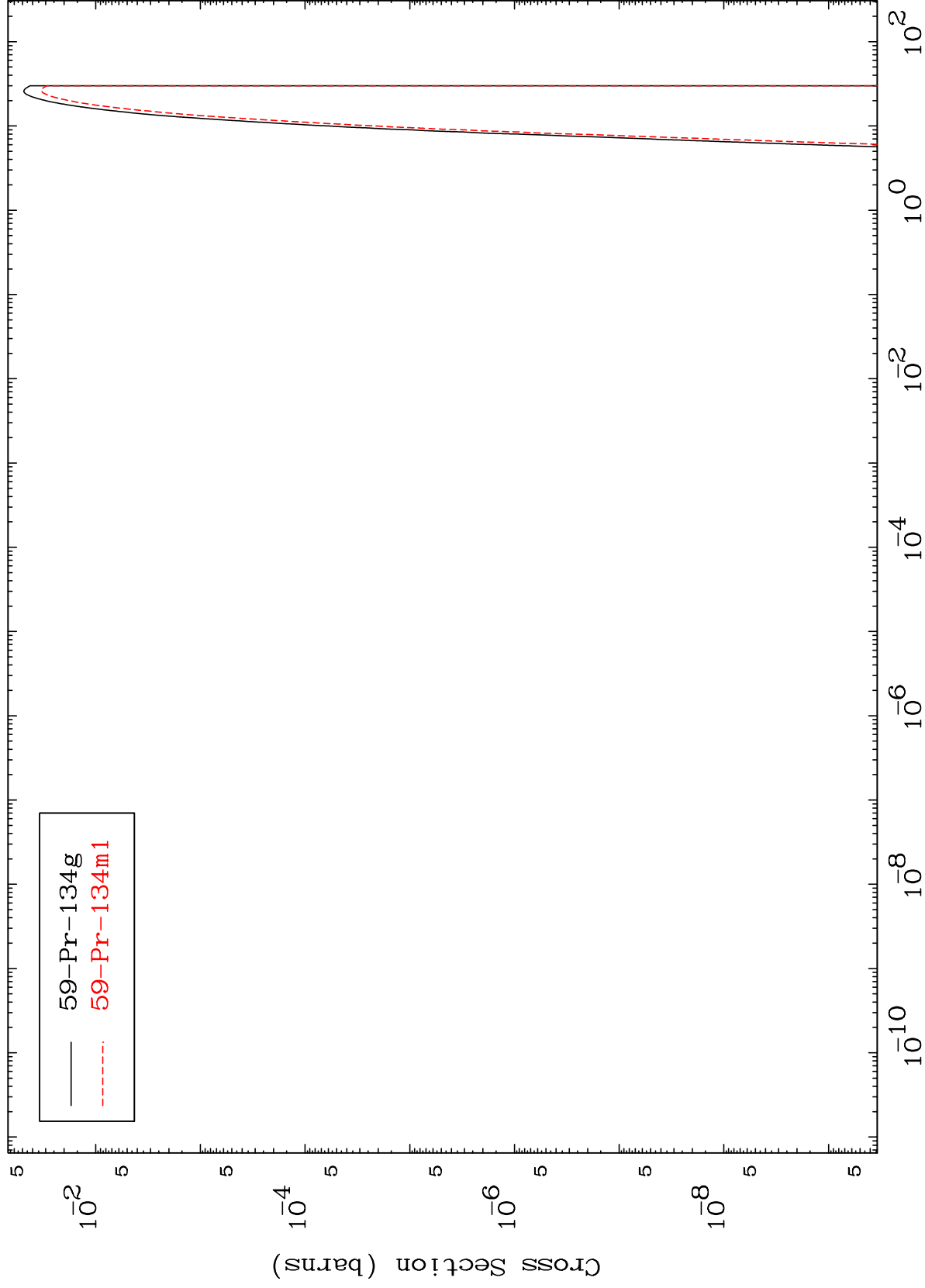




MAT 6122

61-Pm-138

$(n,n') \alpha$
Radionuclide Production Cross Section



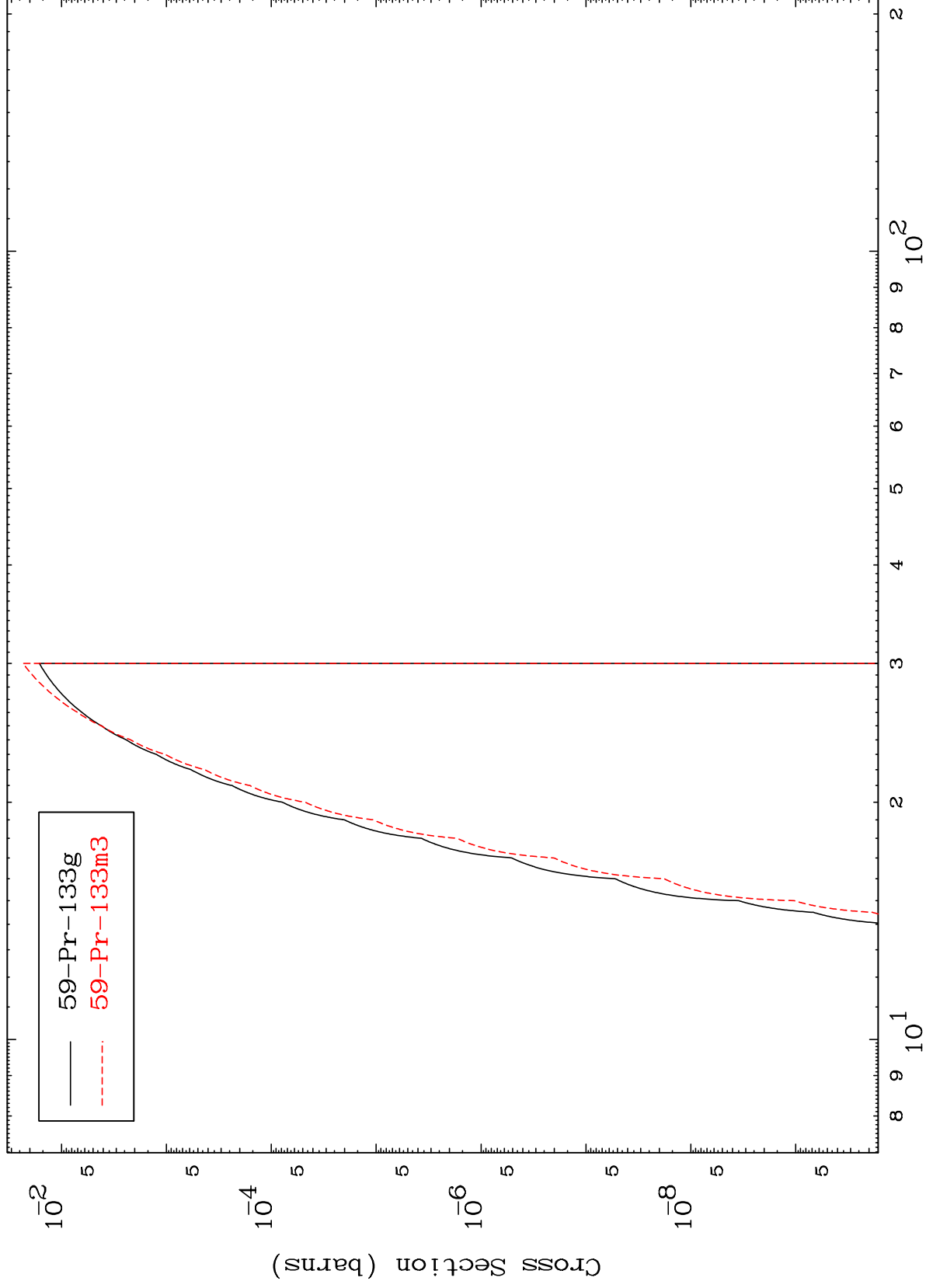
131

61-Pm-138

MAT 6122

61-Pm-138

Radionuclide Production Cross Section
(n,2n) α



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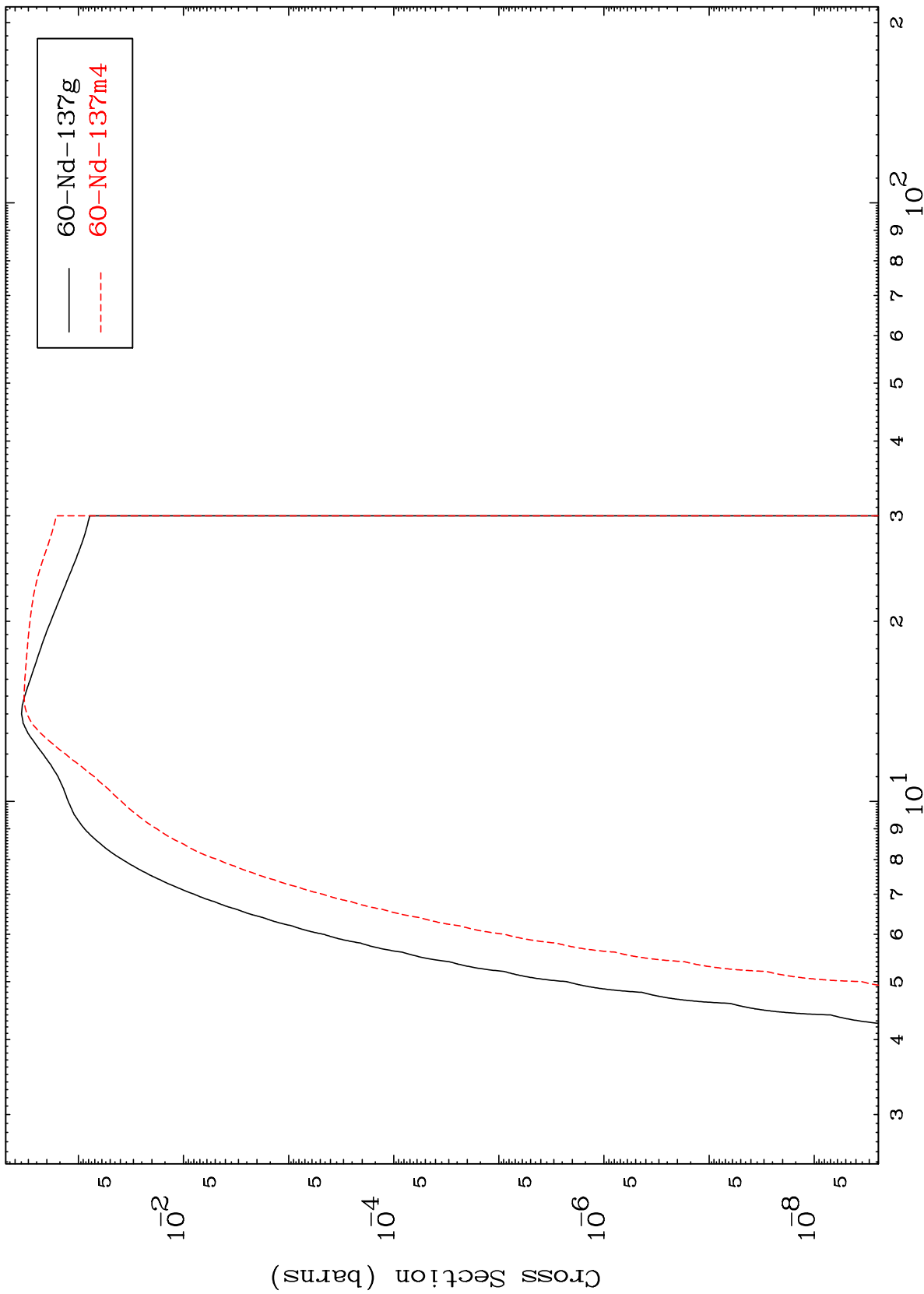
Incident Energy (MeV)

61-Pm-138

MAT 6122

61-Pm-138

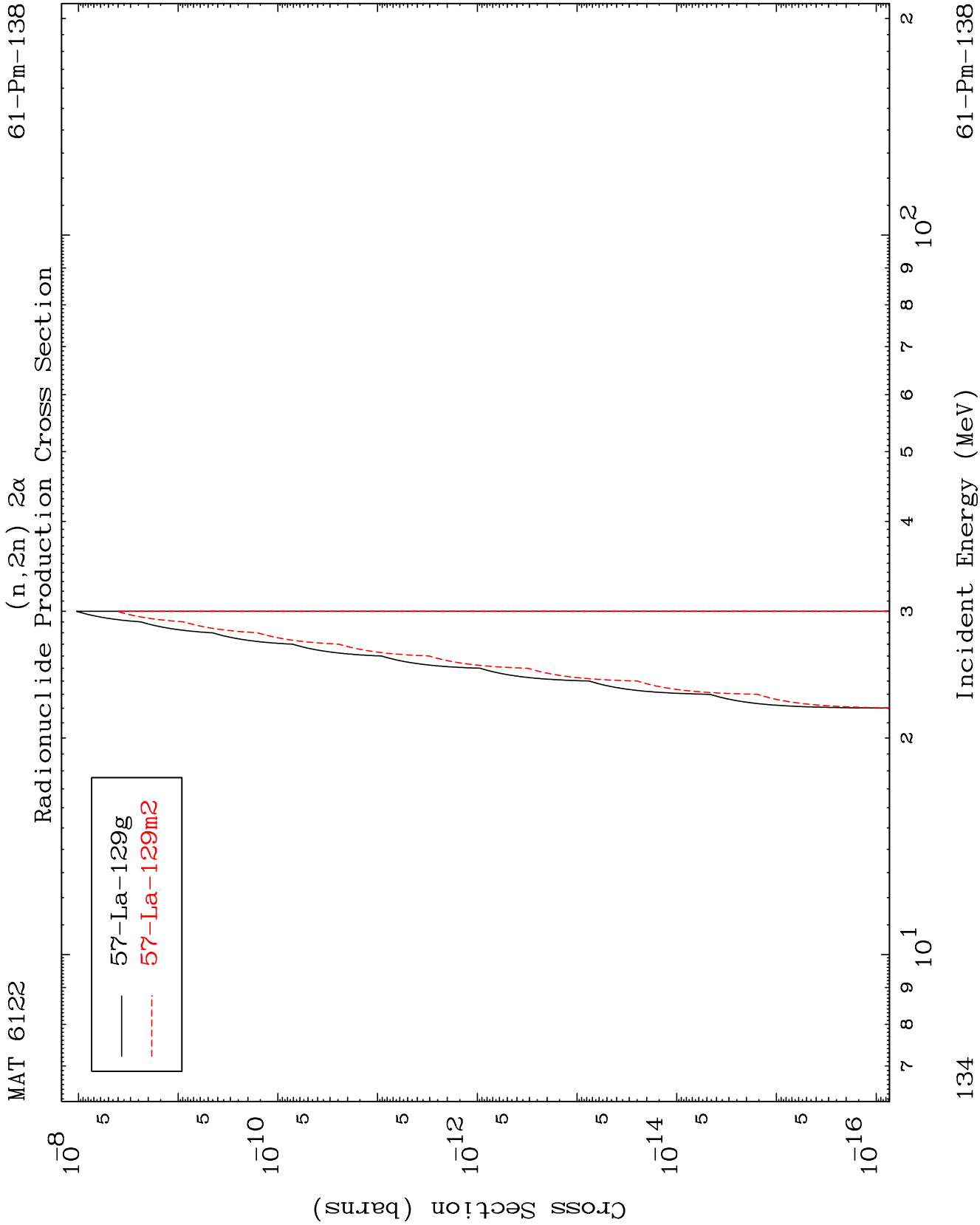
(n,n') p
Radionuclide Production Cross Section



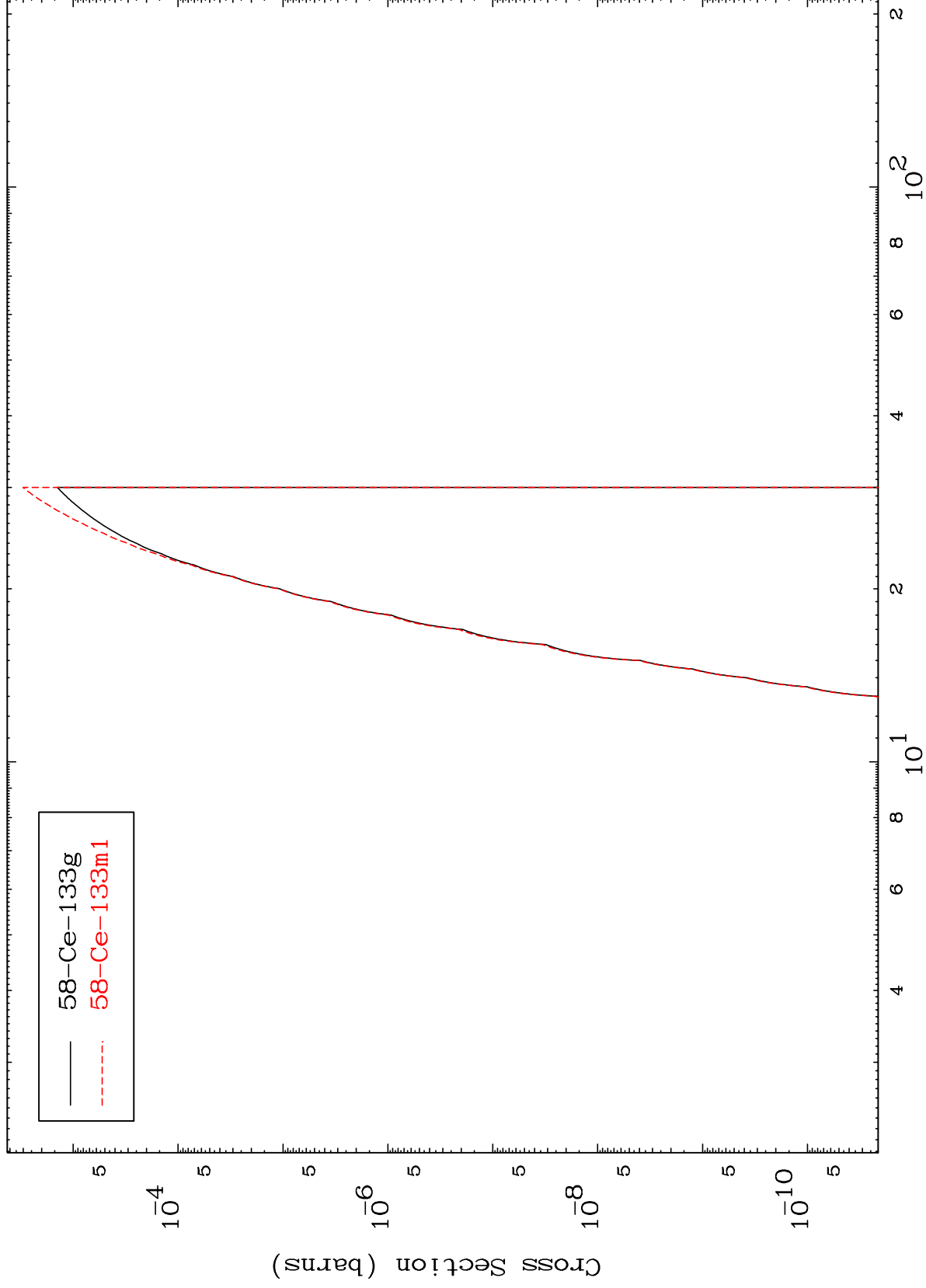
133

Incident Energy (MeV)

61-Pm-138



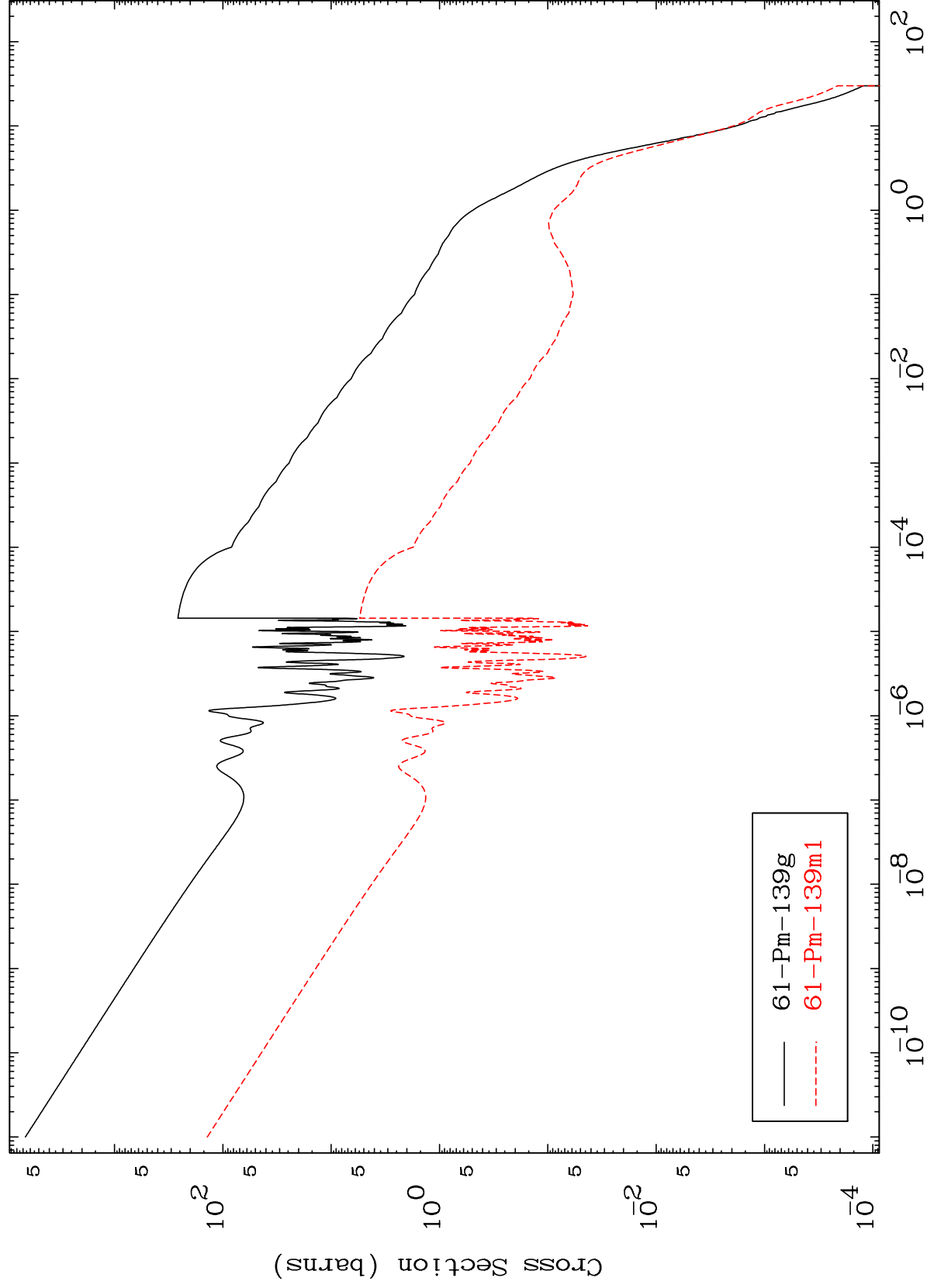
(n,n') p α
Radionuclide Production Cross Section



MAT 6122

61-Pm-138

Radionuclide Production Cross Section
(n, γ)



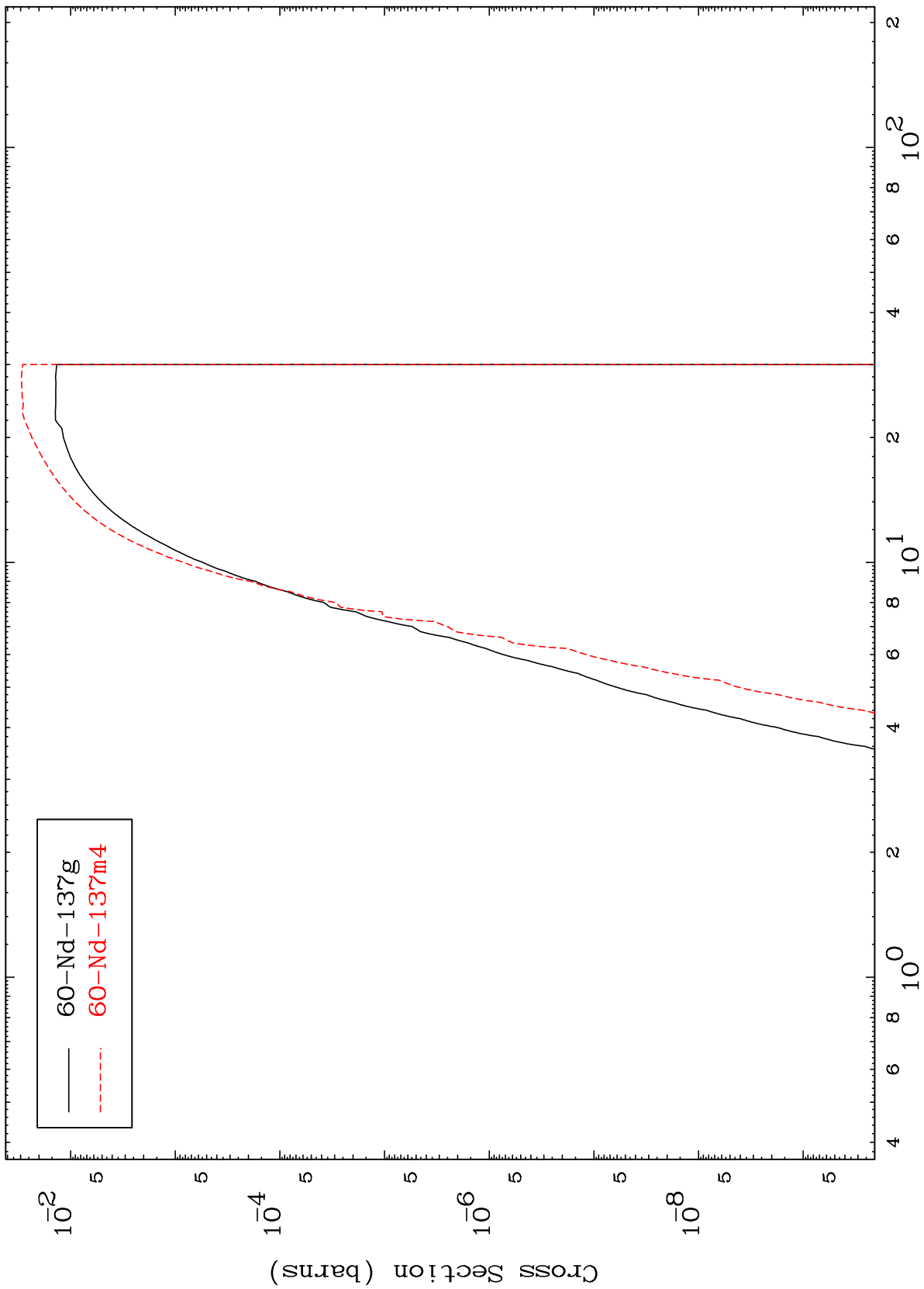
136

61-Pm-138

MAT 6122

61-Pm-138

(n,d)
Radionuclide Production Cross Section



137

Incident Energy (MeV)

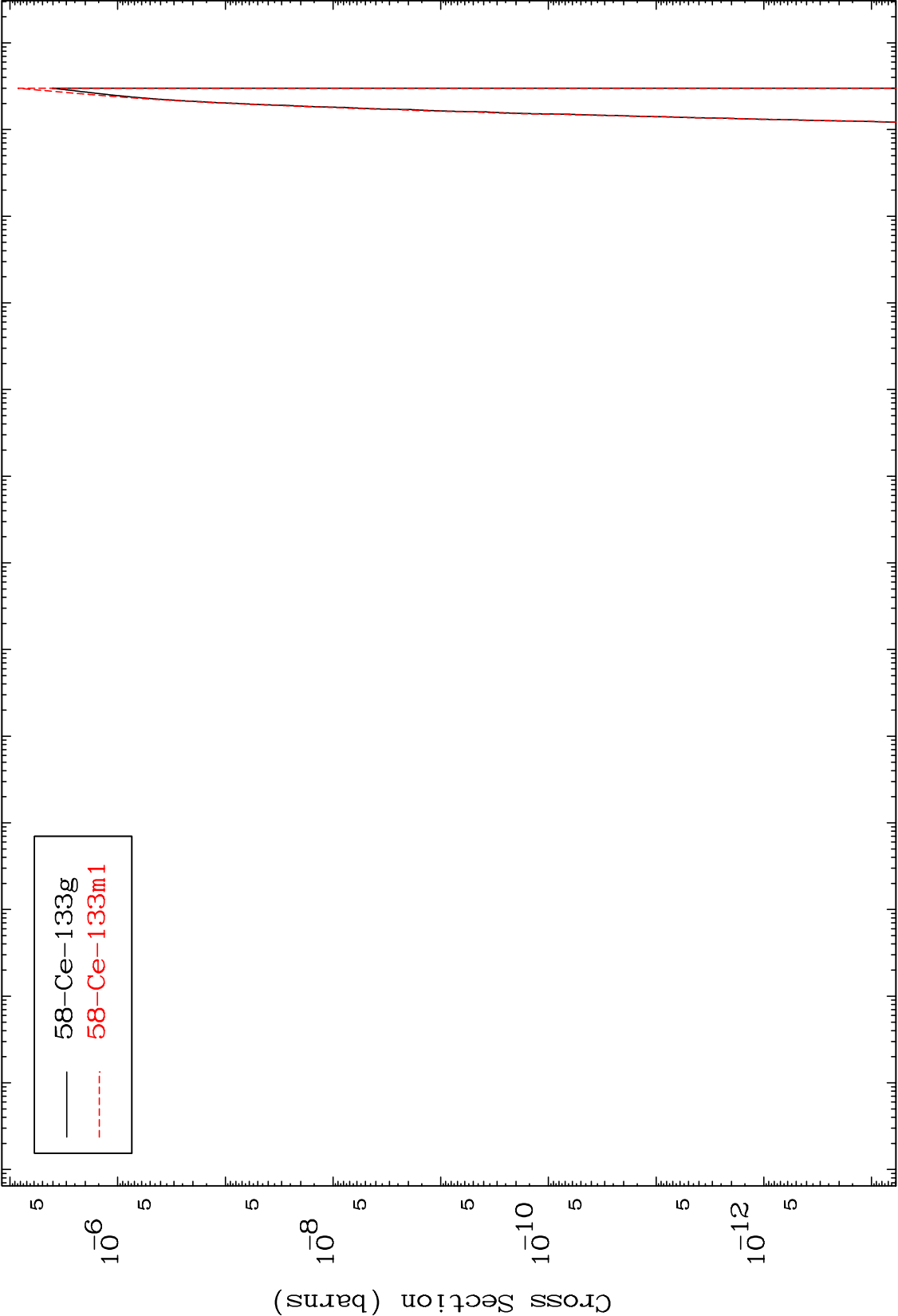
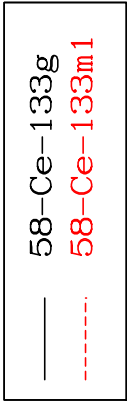
61-Pm-138

MAT 6122

(n,d) α

61-Pm-138

Radionuclide Production Cross Section



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Incident Energy (MeV)

61-Pm-138