

Program EVALPLOT
(Version 2021-1)

by

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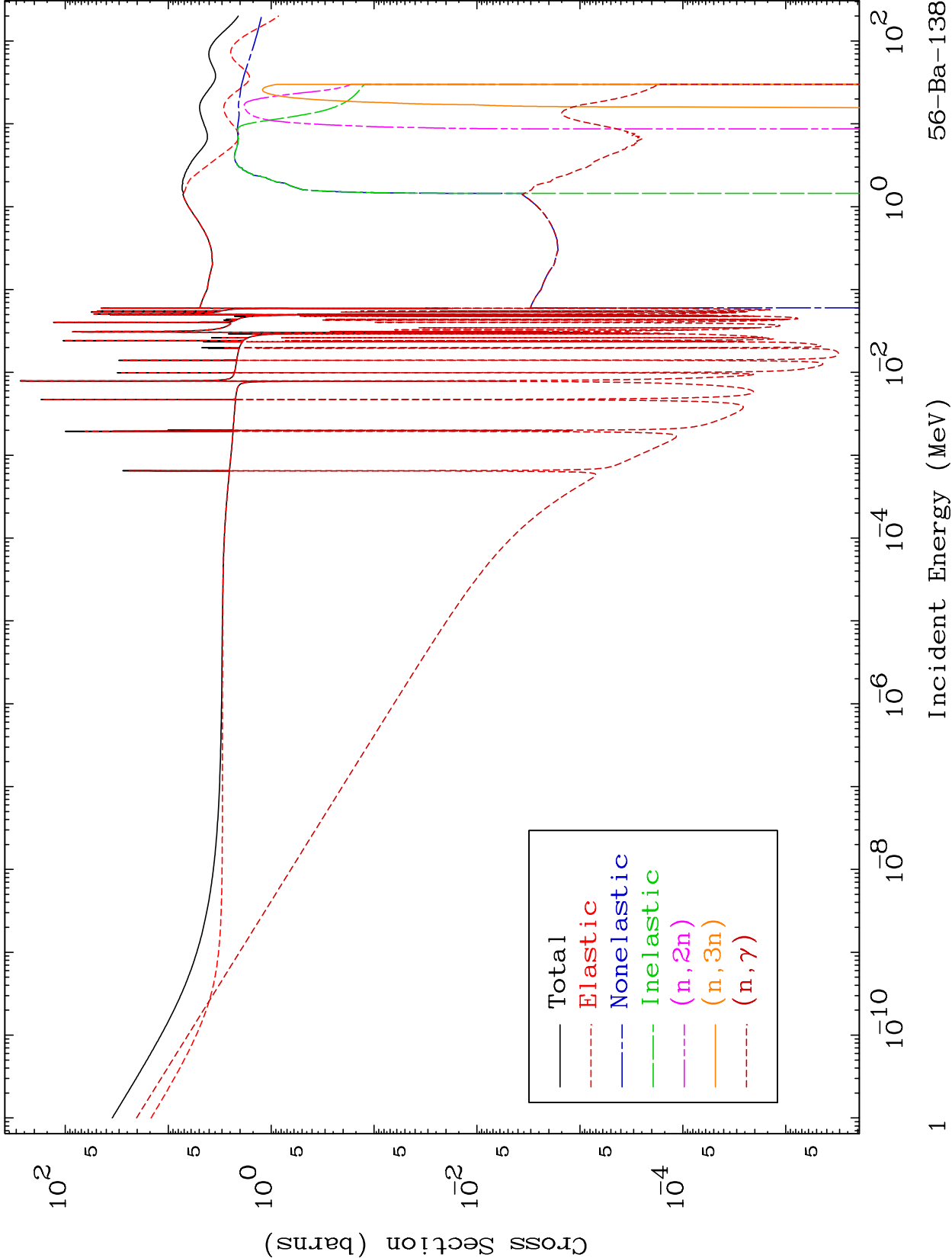
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

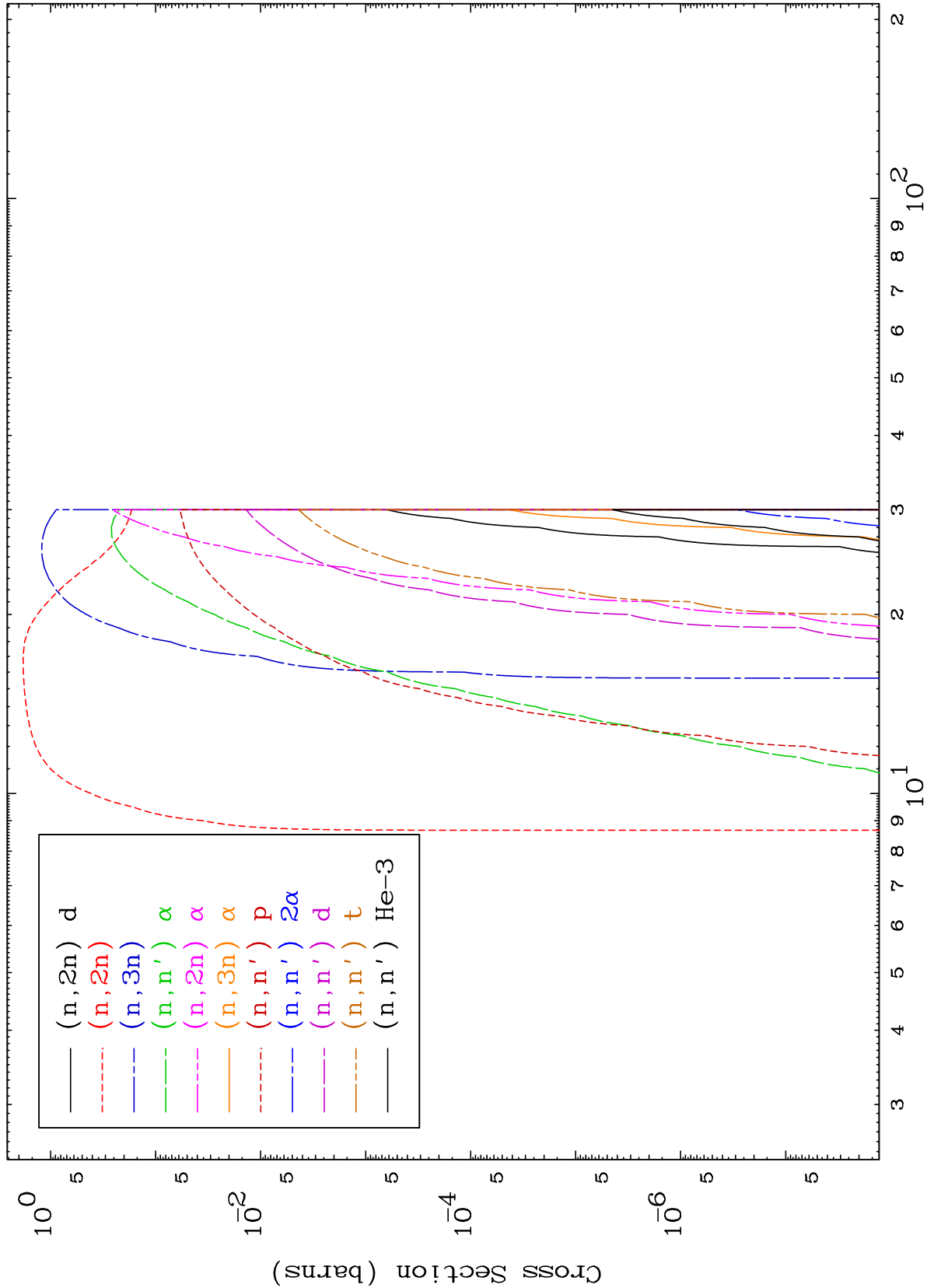
Press Mouse Button to Start

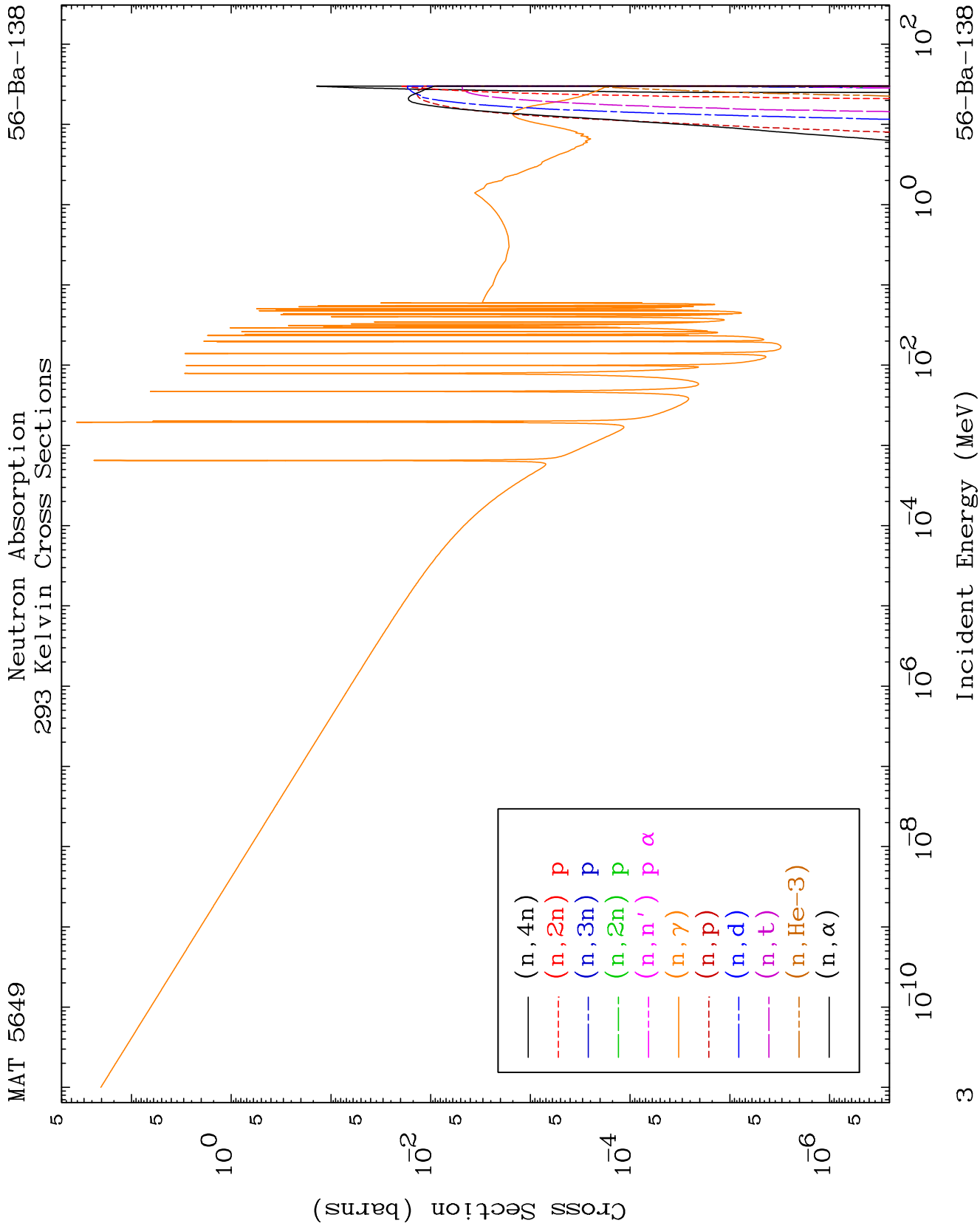
MAT 5649

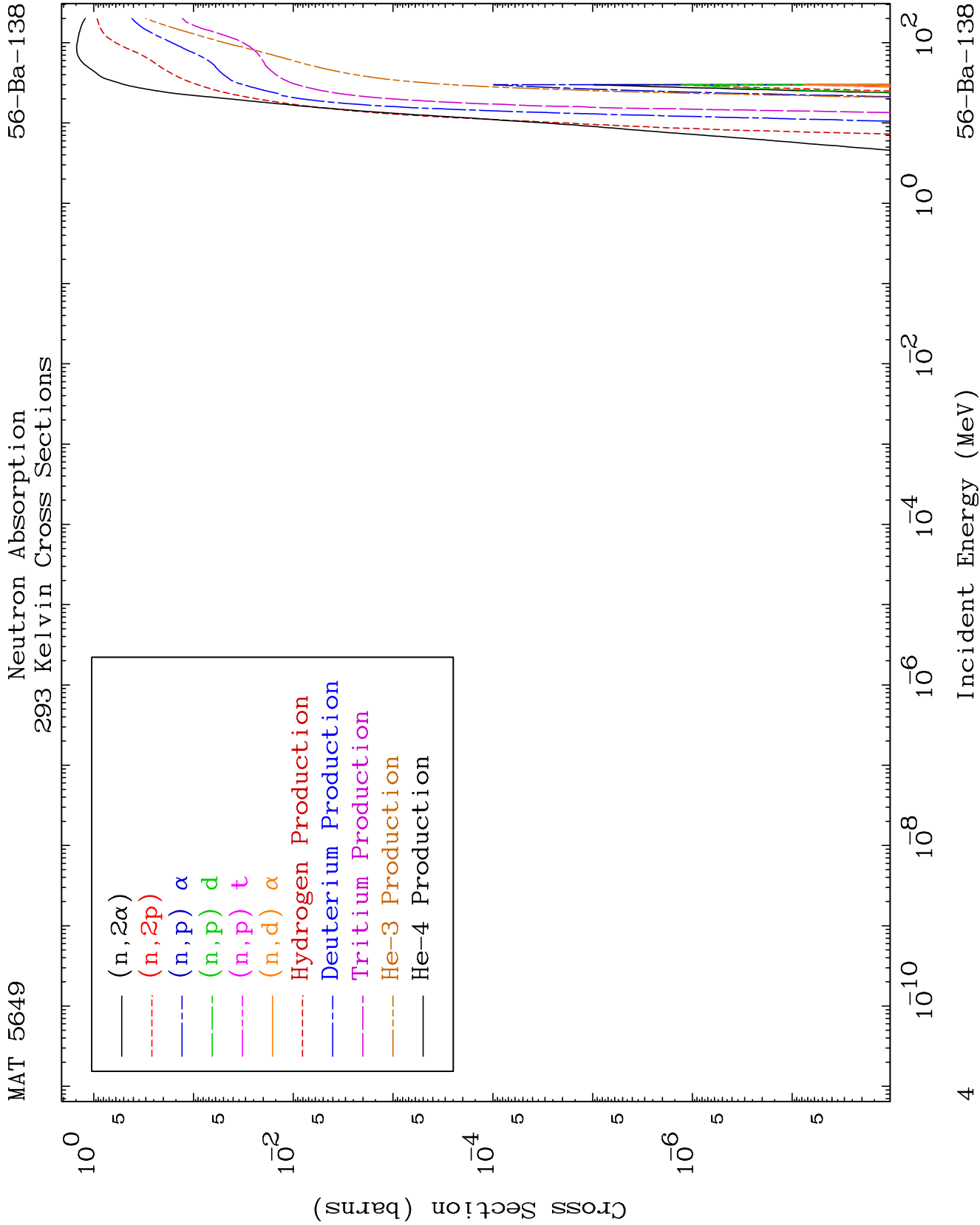
Neutron Major
293 Kelvin Cross Sections

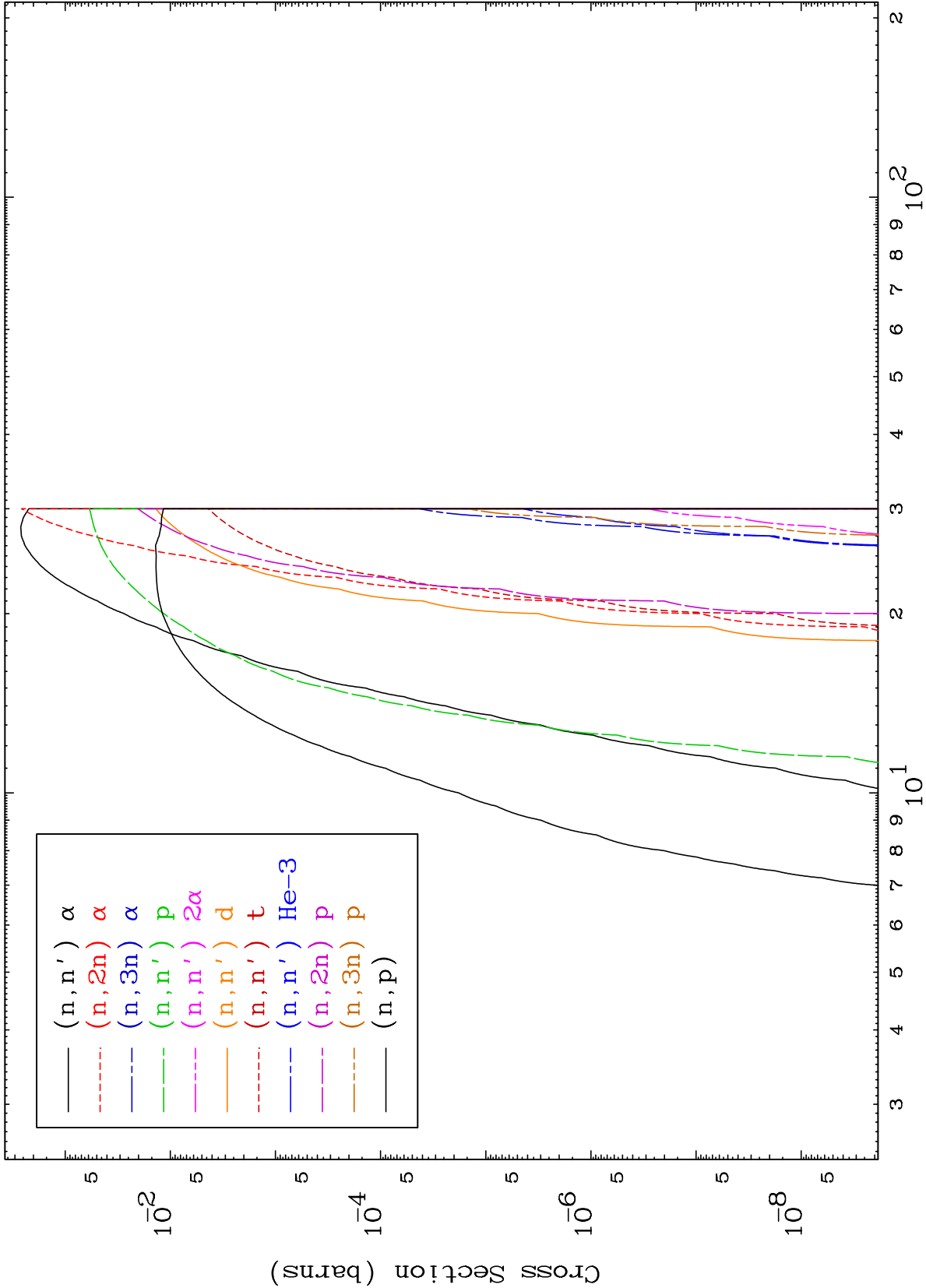
56-Ba-138

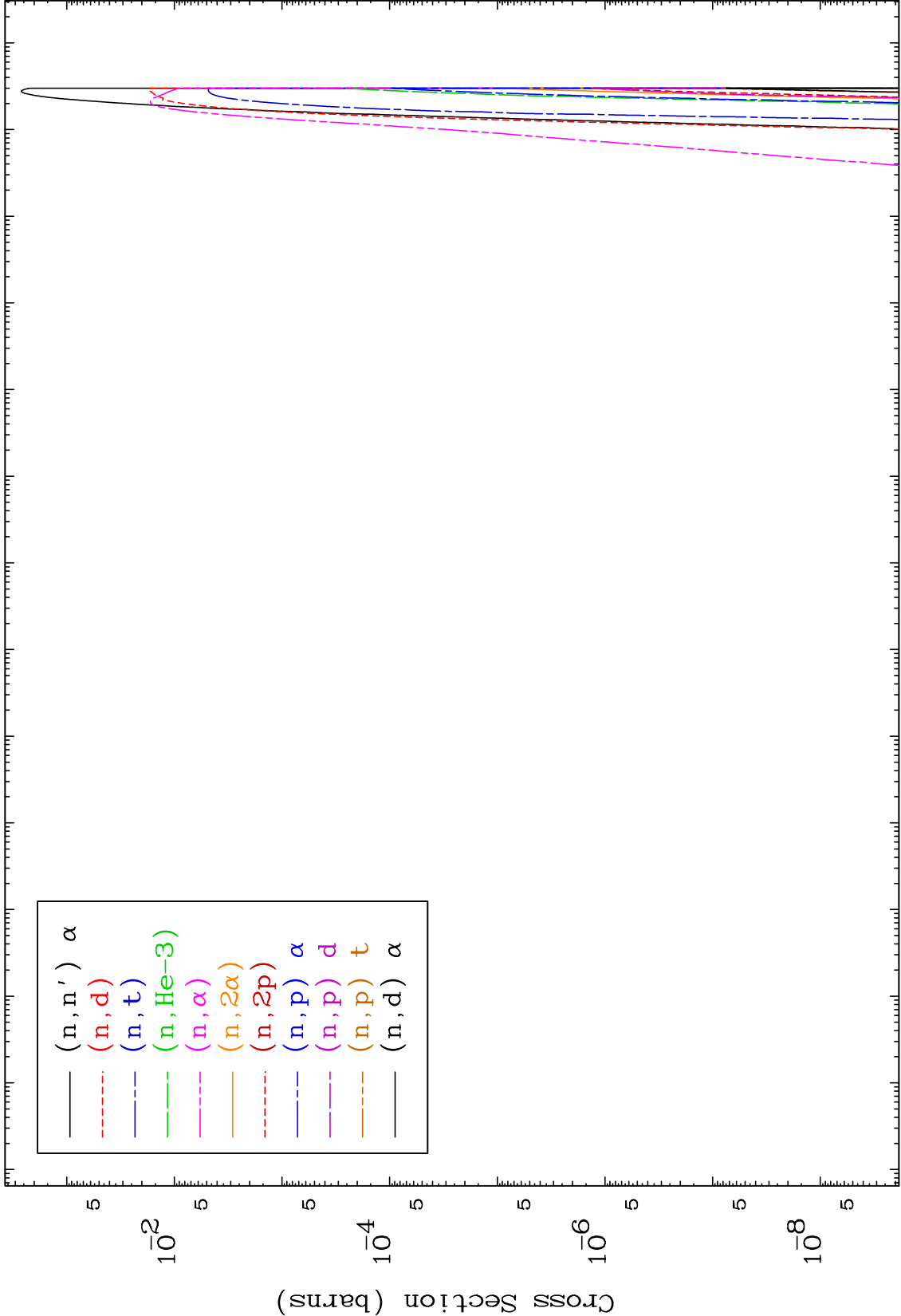


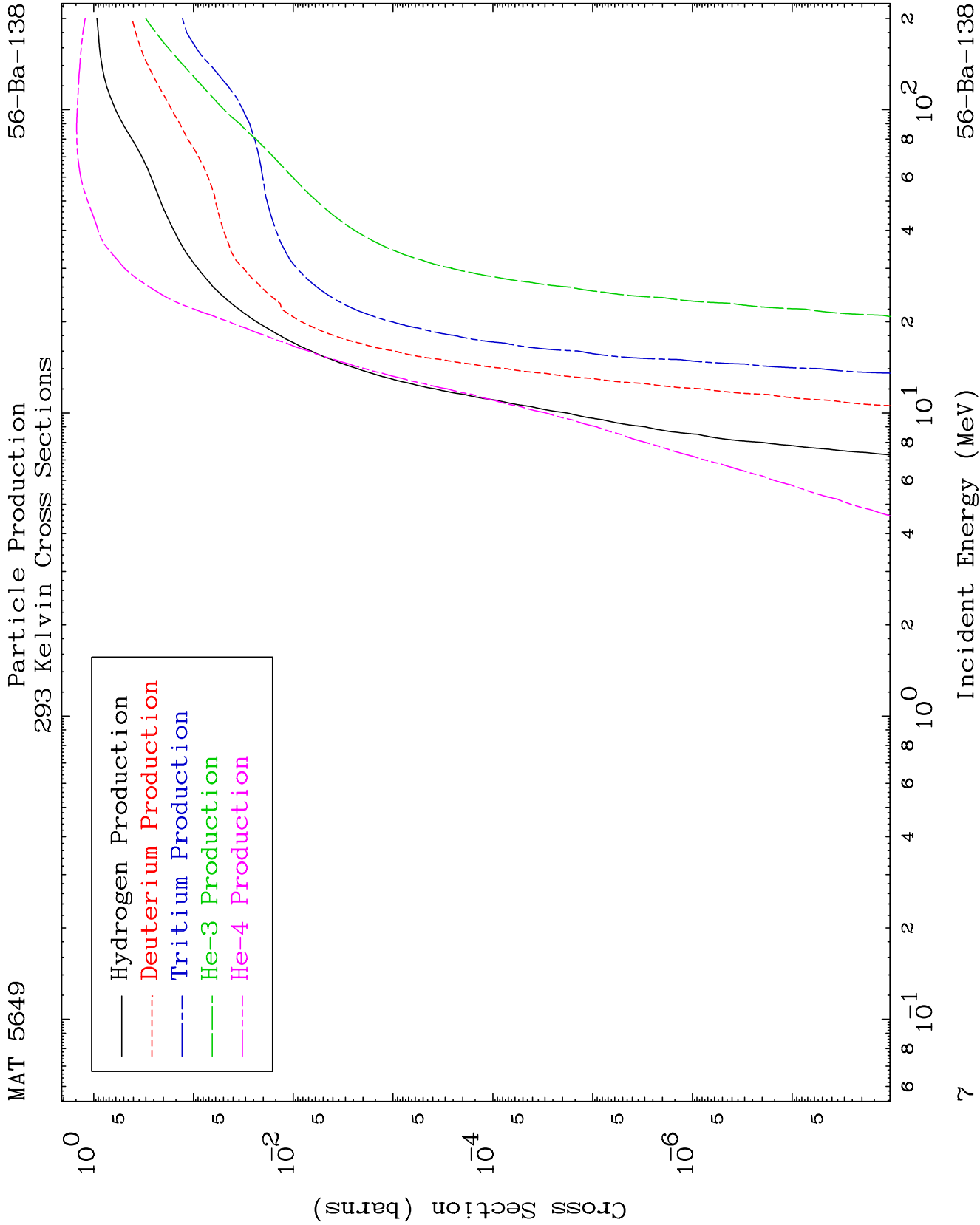


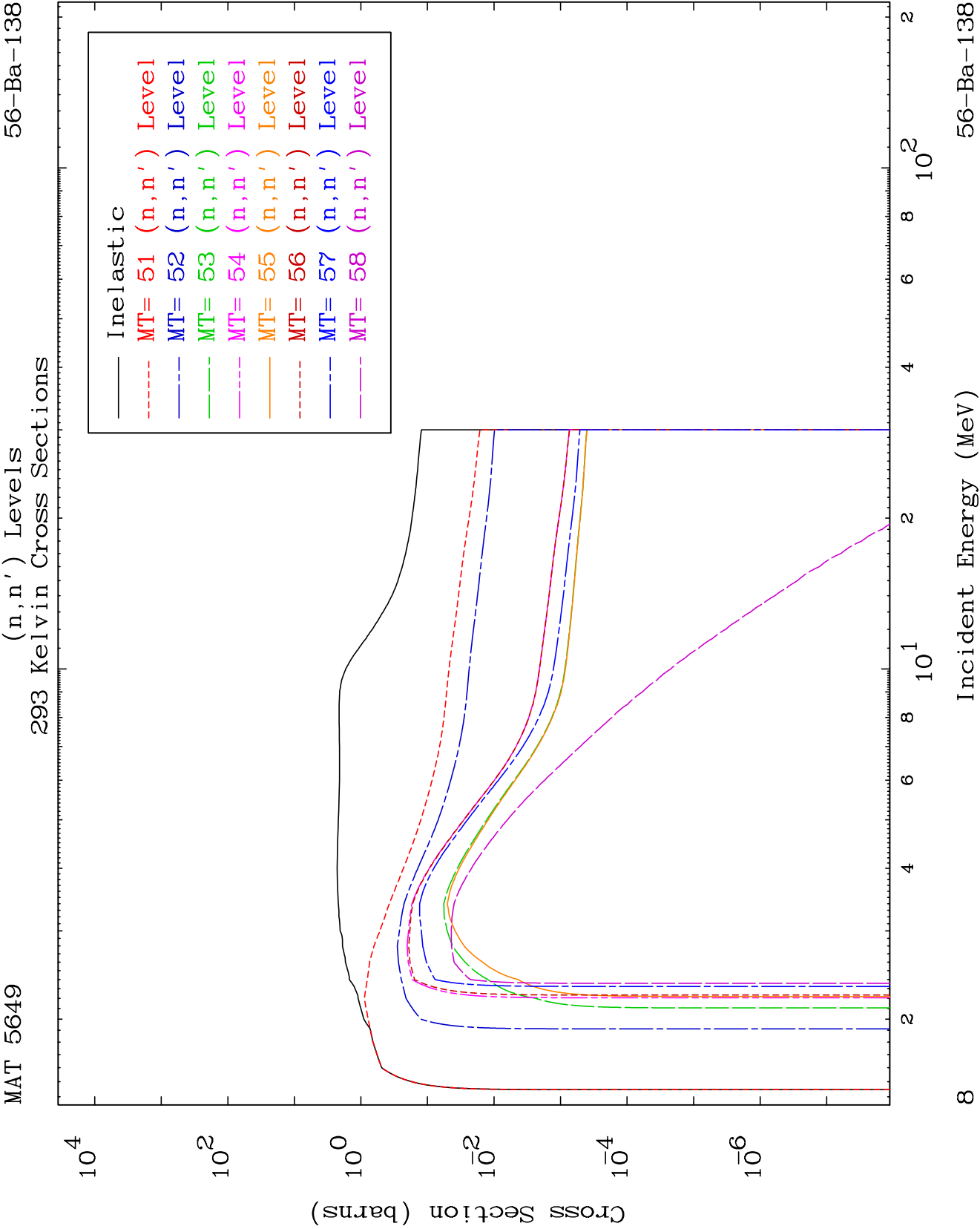


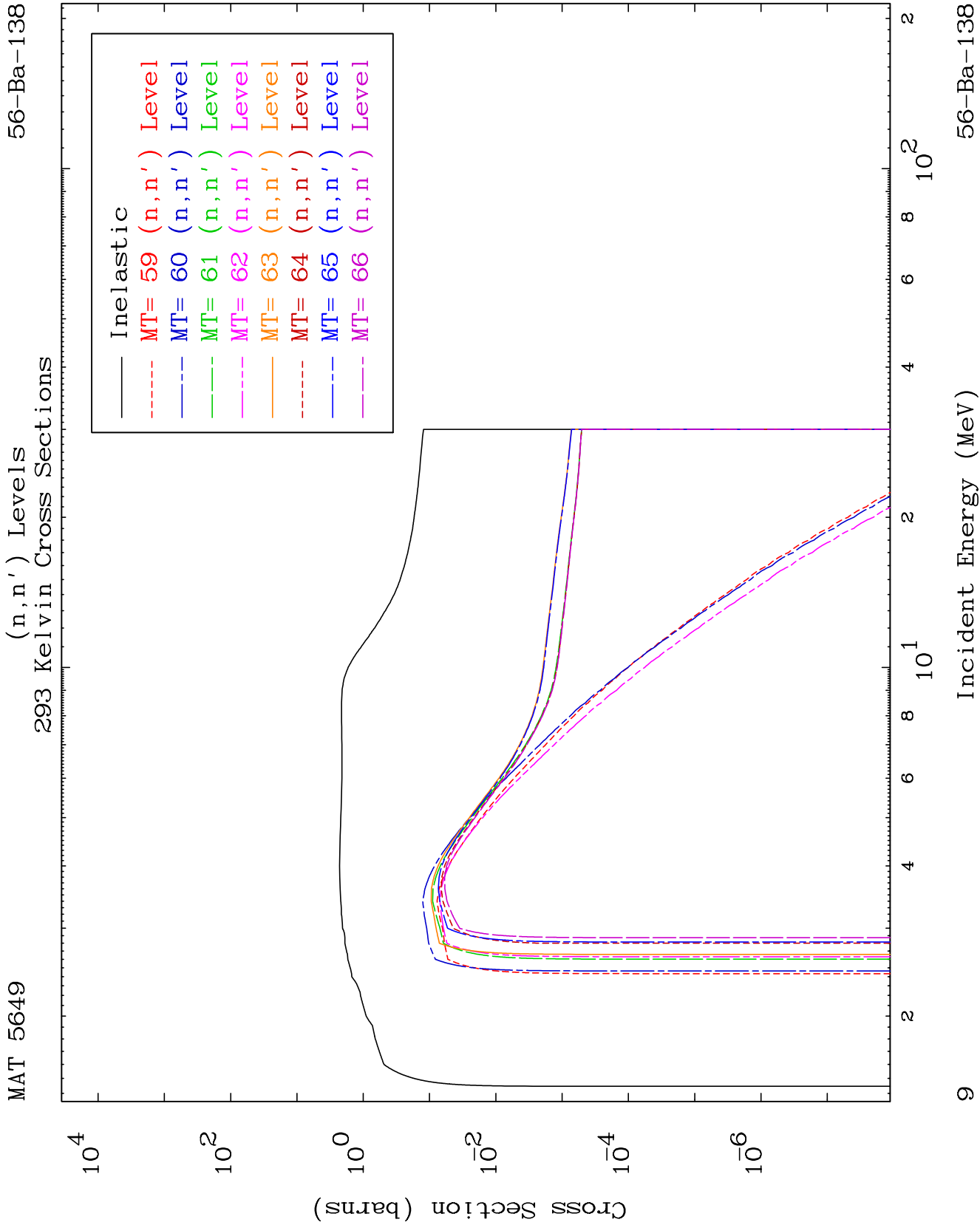








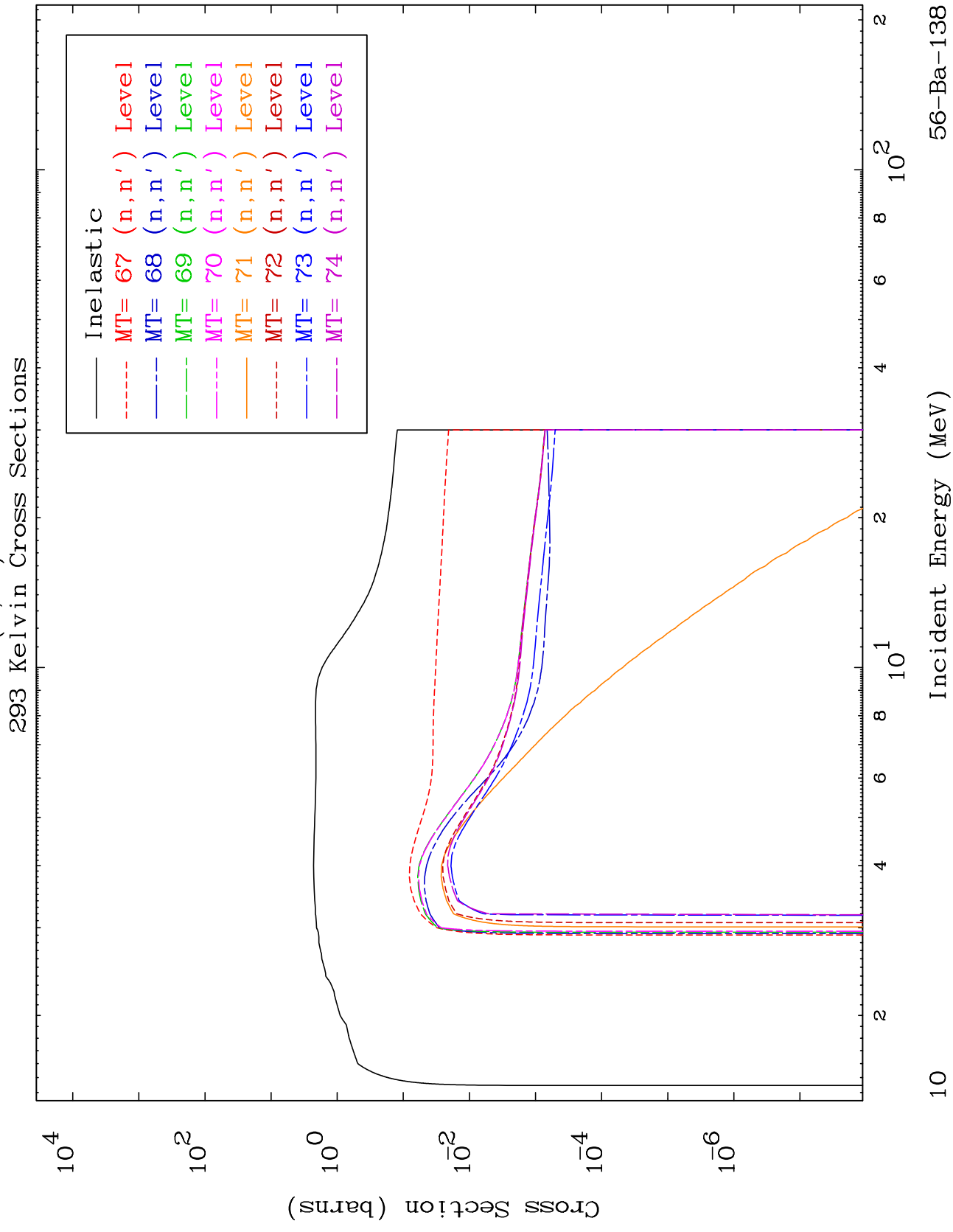




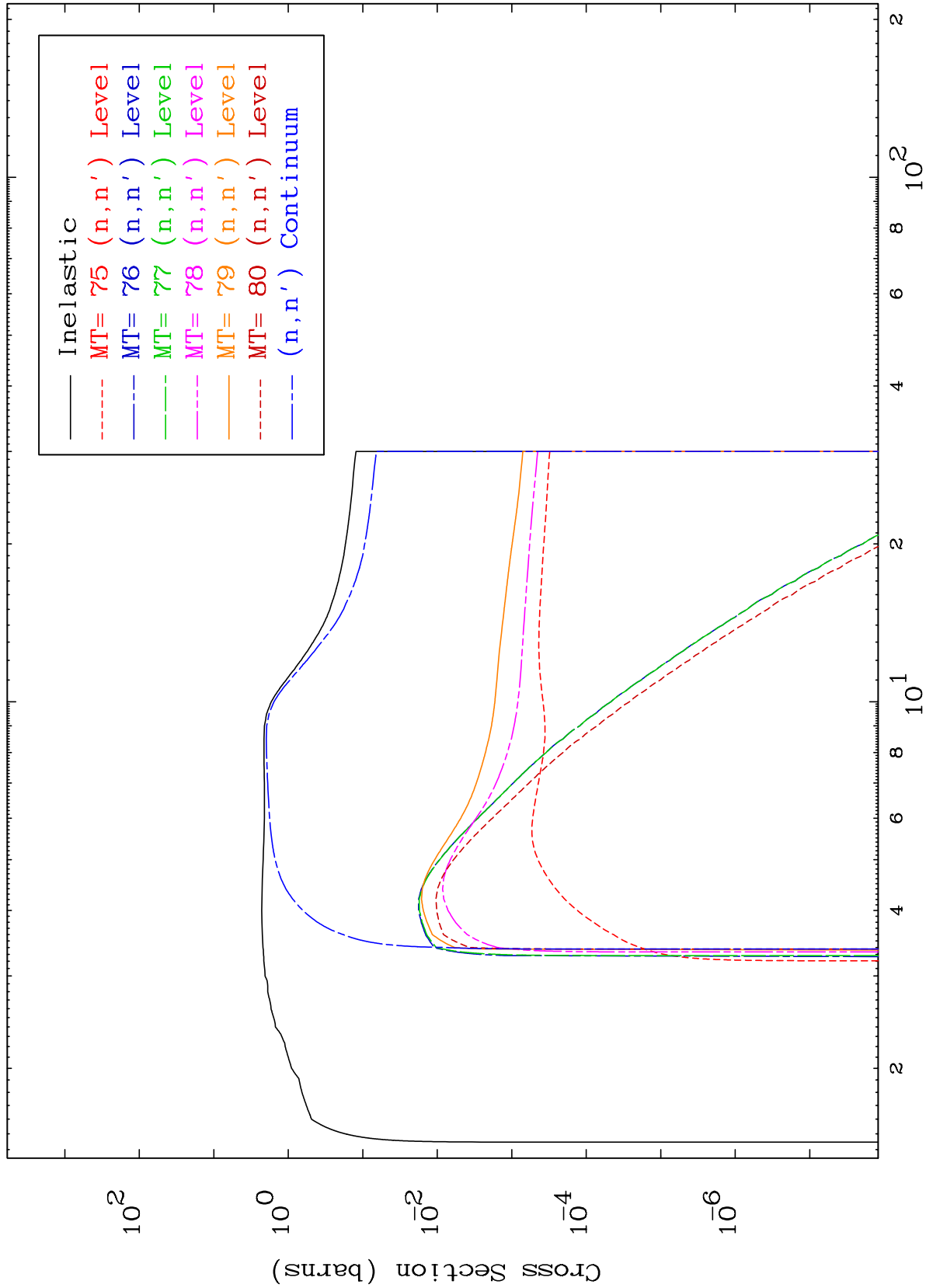
MAT 5649

(n, n') Levels

56-Ba-138



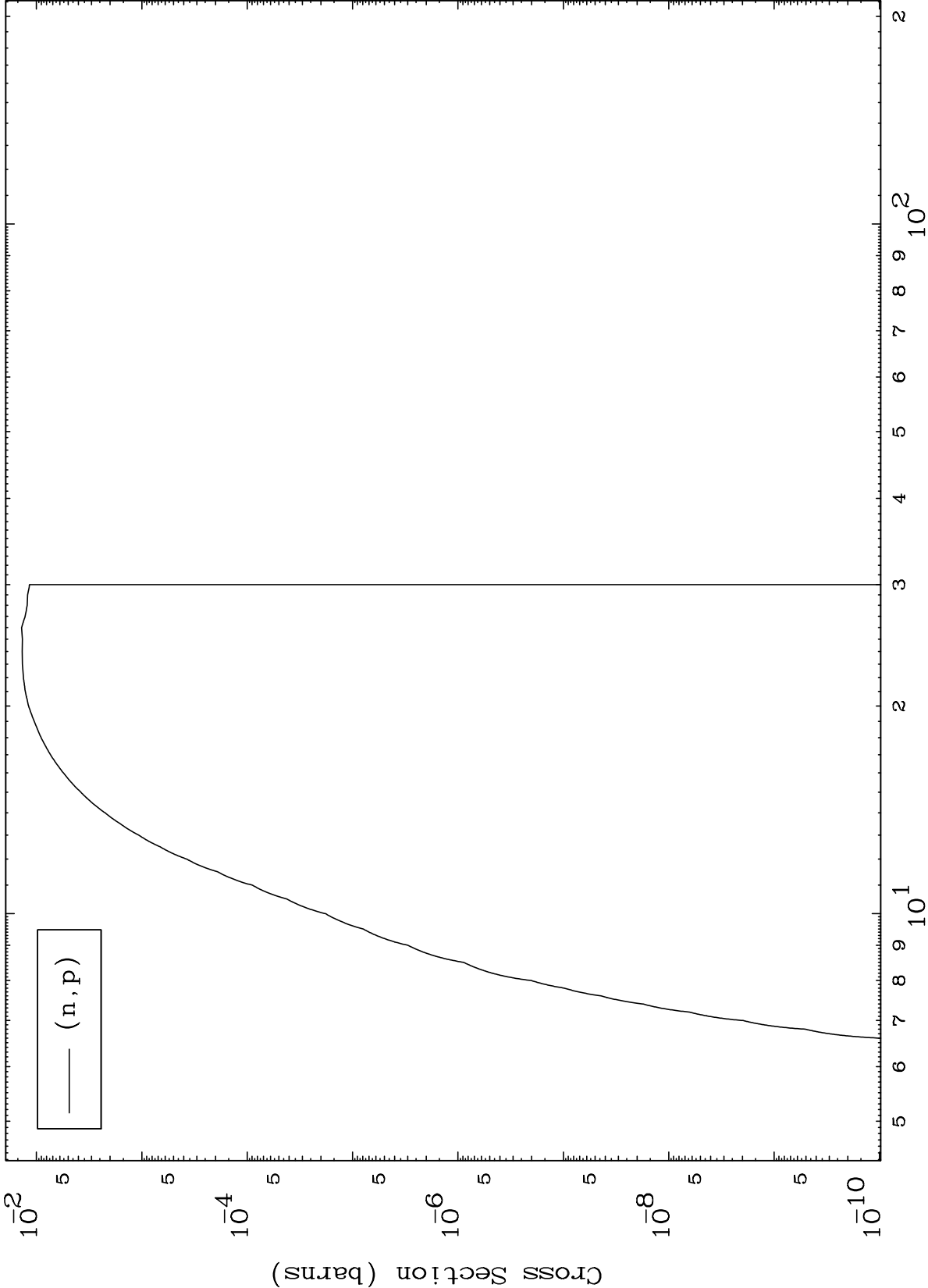
(n,n') Levels
293 Kelvin Cross Sections



MAT 5649

56-Ba-138

(n,p) Levels
293 Kelvin Cross Sections



56-Ba-138

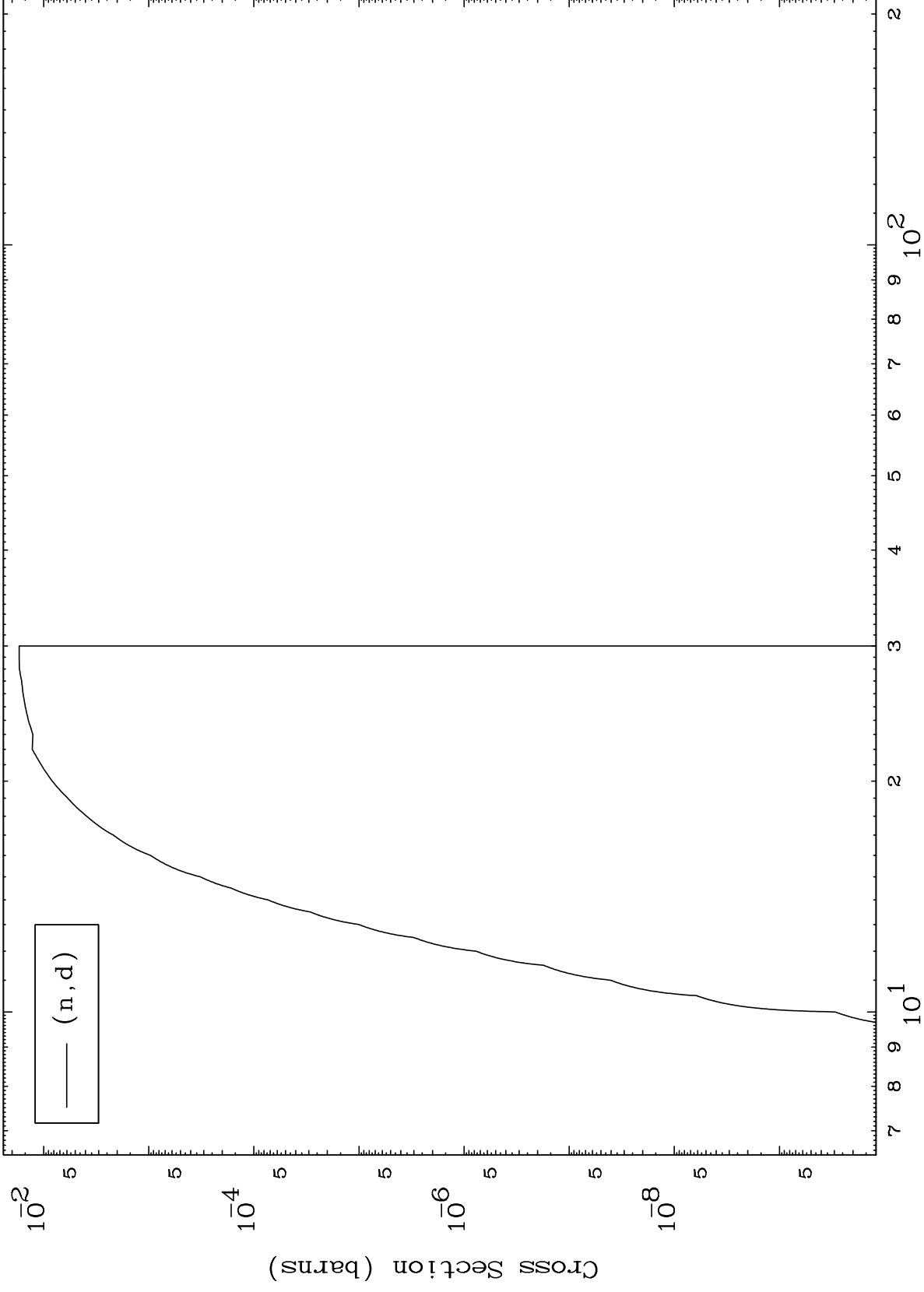
Incident Energy (MeV)

12

MAT 5649

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-138



13

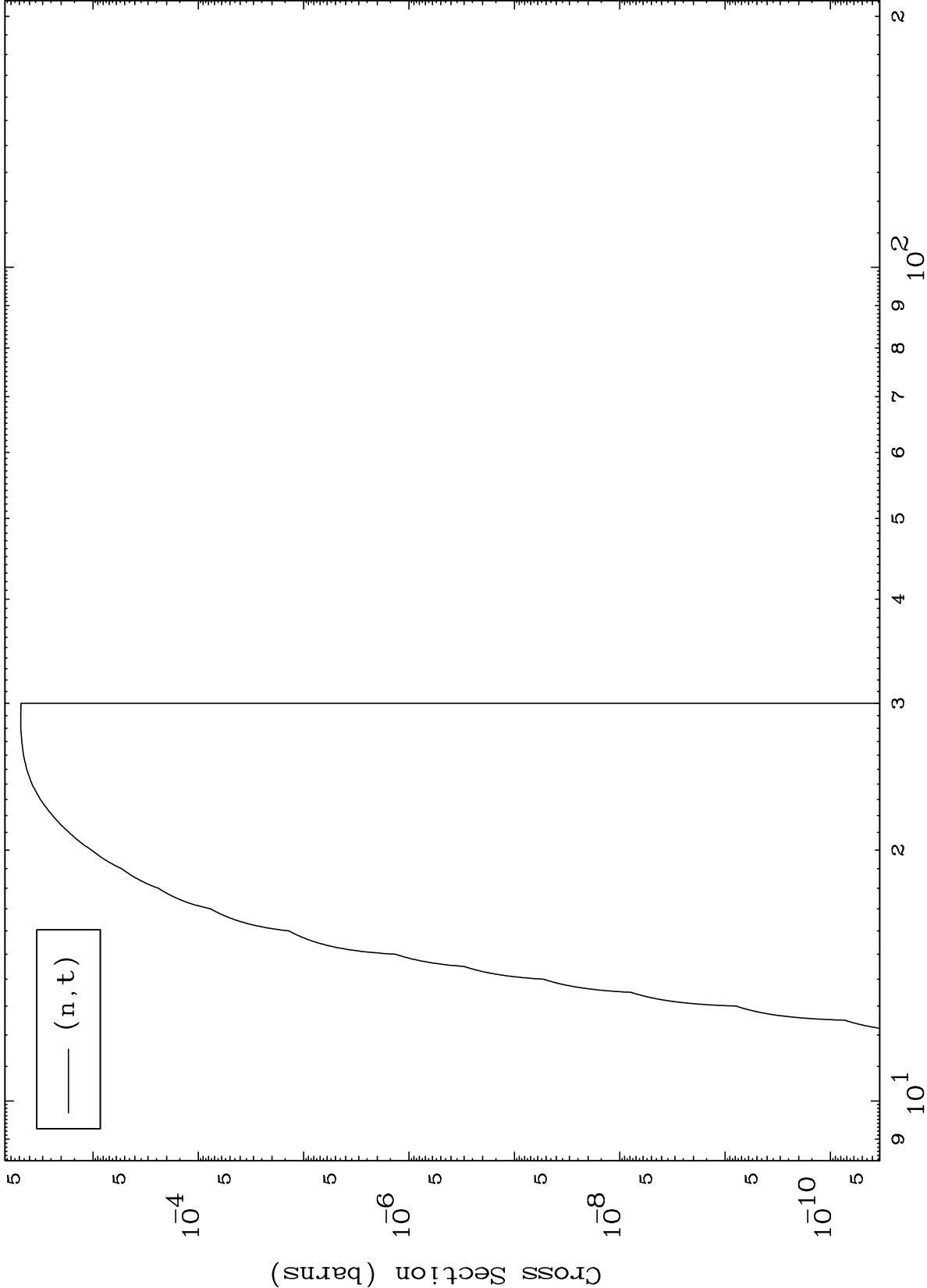
Incident Energy (MeV)

56-Ba-138

MAT 5649

56-Ba-138

(n,t) Levels
293 Kelvin Cross Sections



56-Ba-138

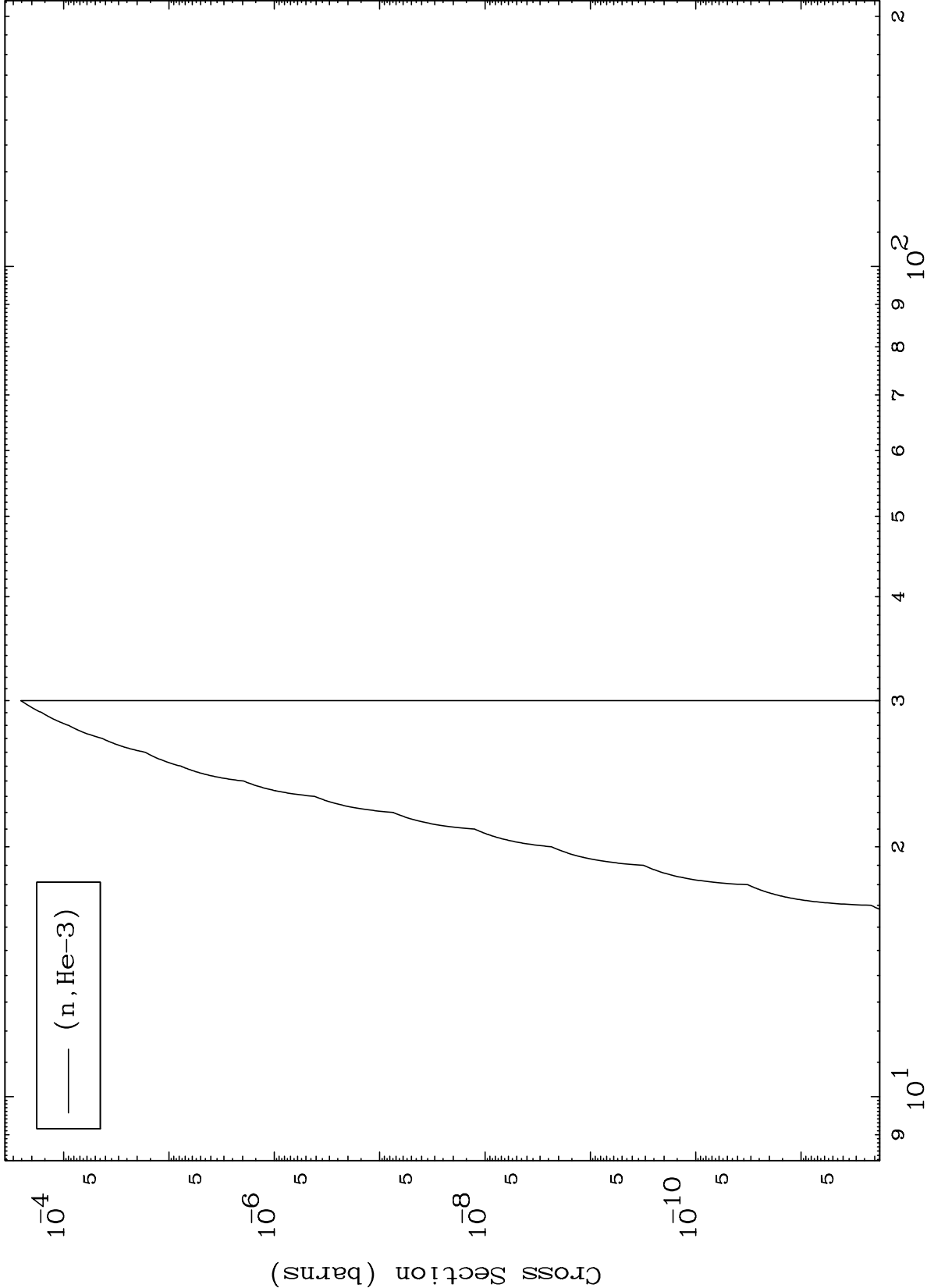
Incident Energy (MeV)

14

MAT 5649

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-138



15

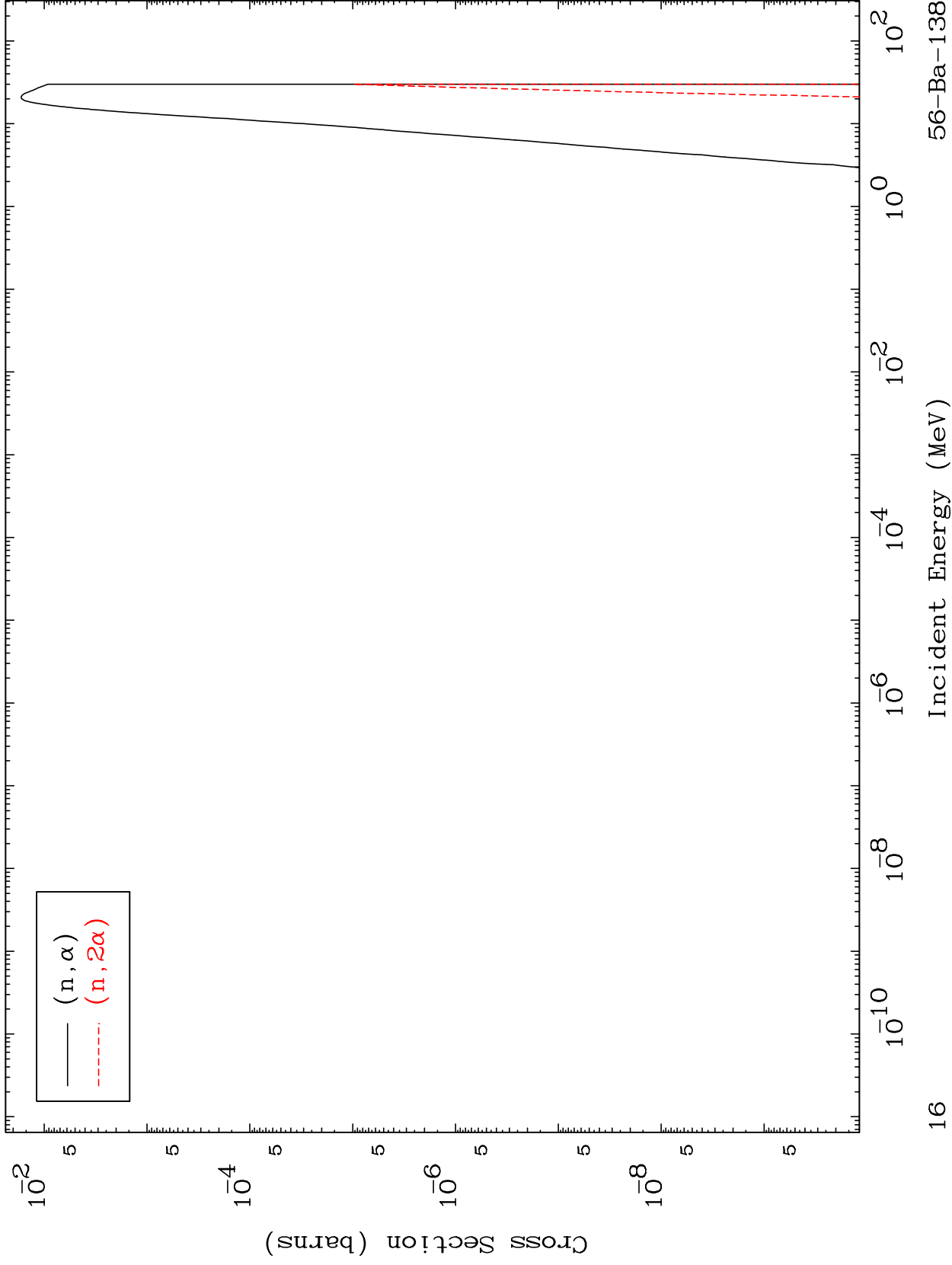
Incident Energy (MeV)

56-Ba-138

MAT 5649

56-Ba-138

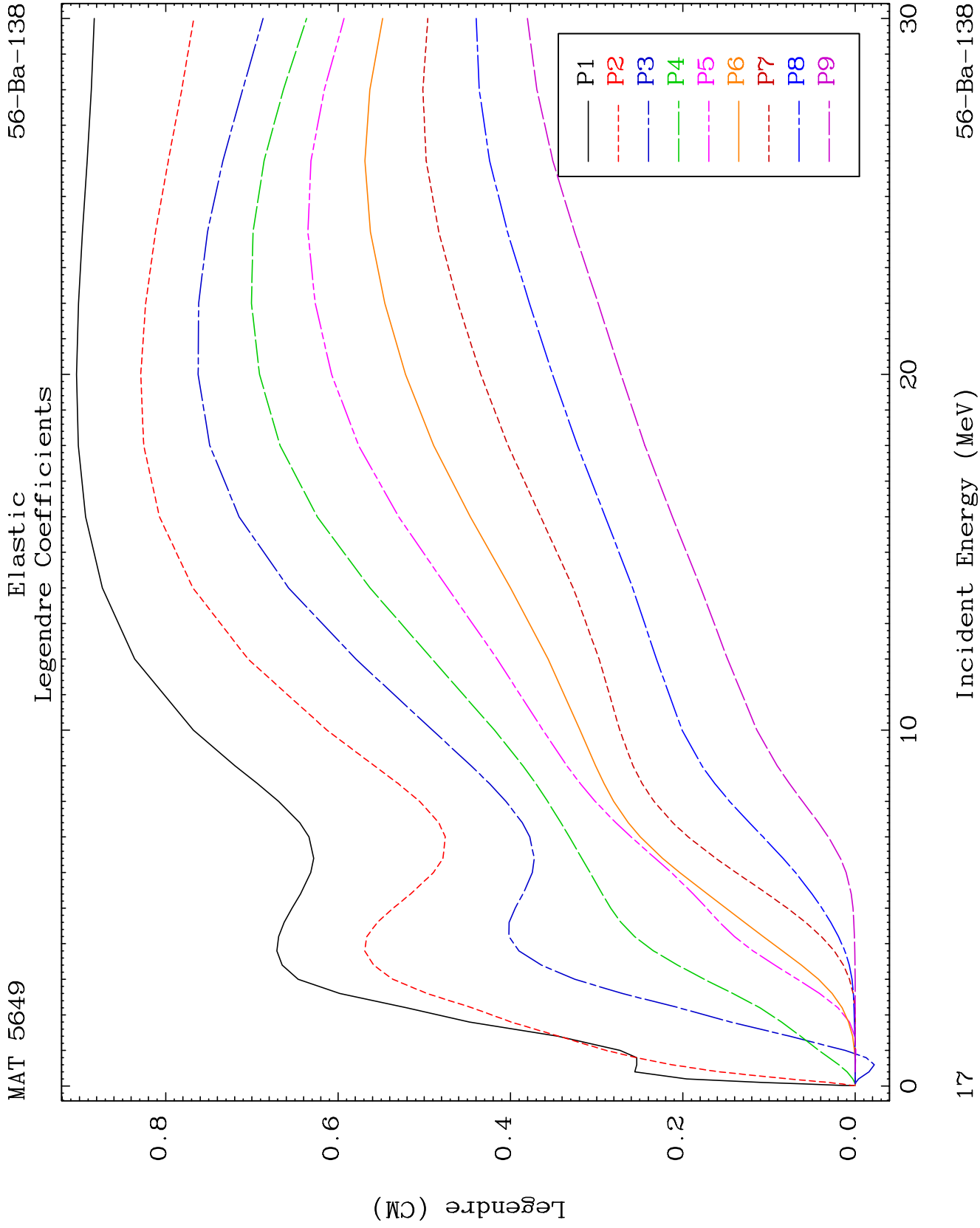
(n, α) Levels
293 Kelvin Cross Sections

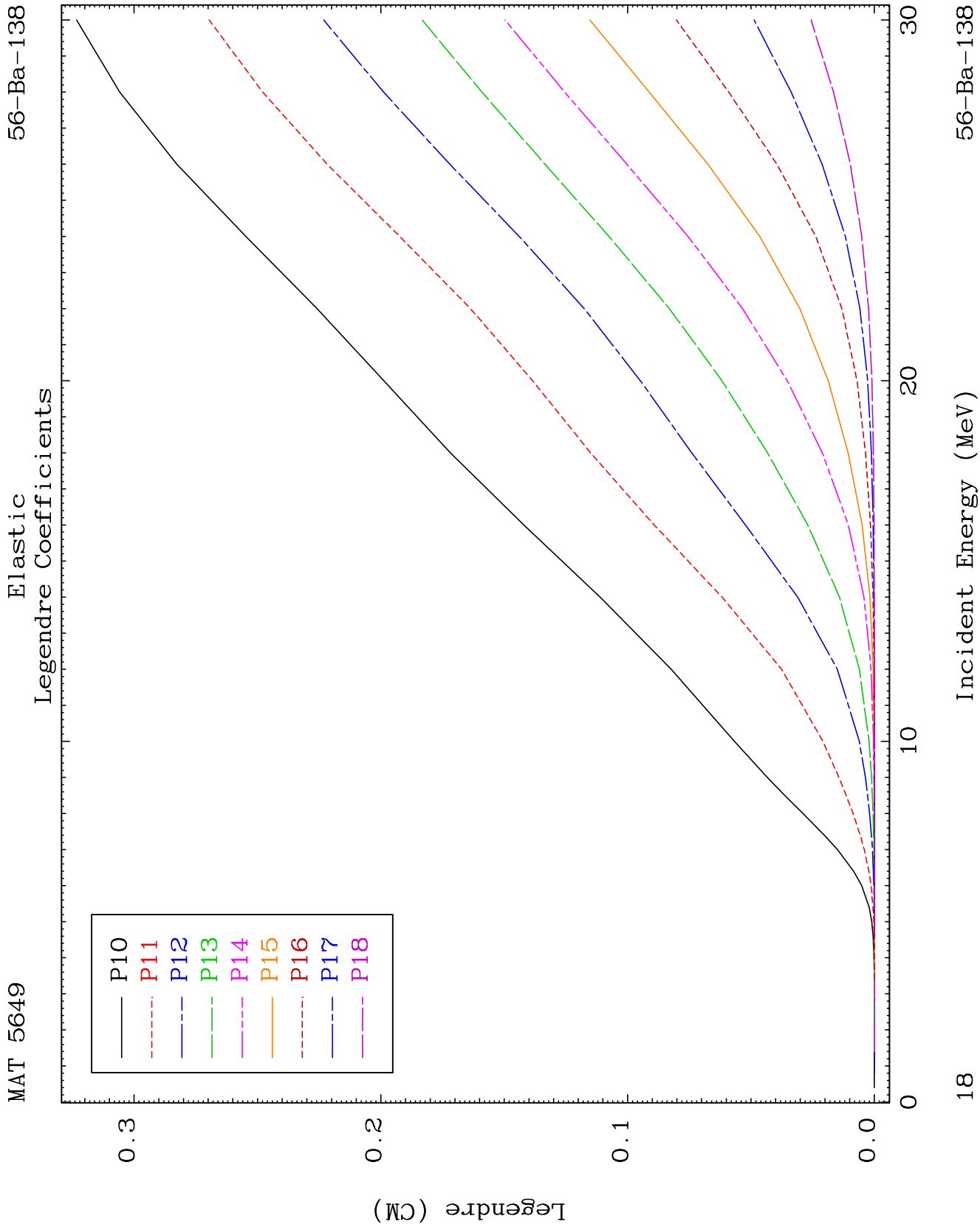


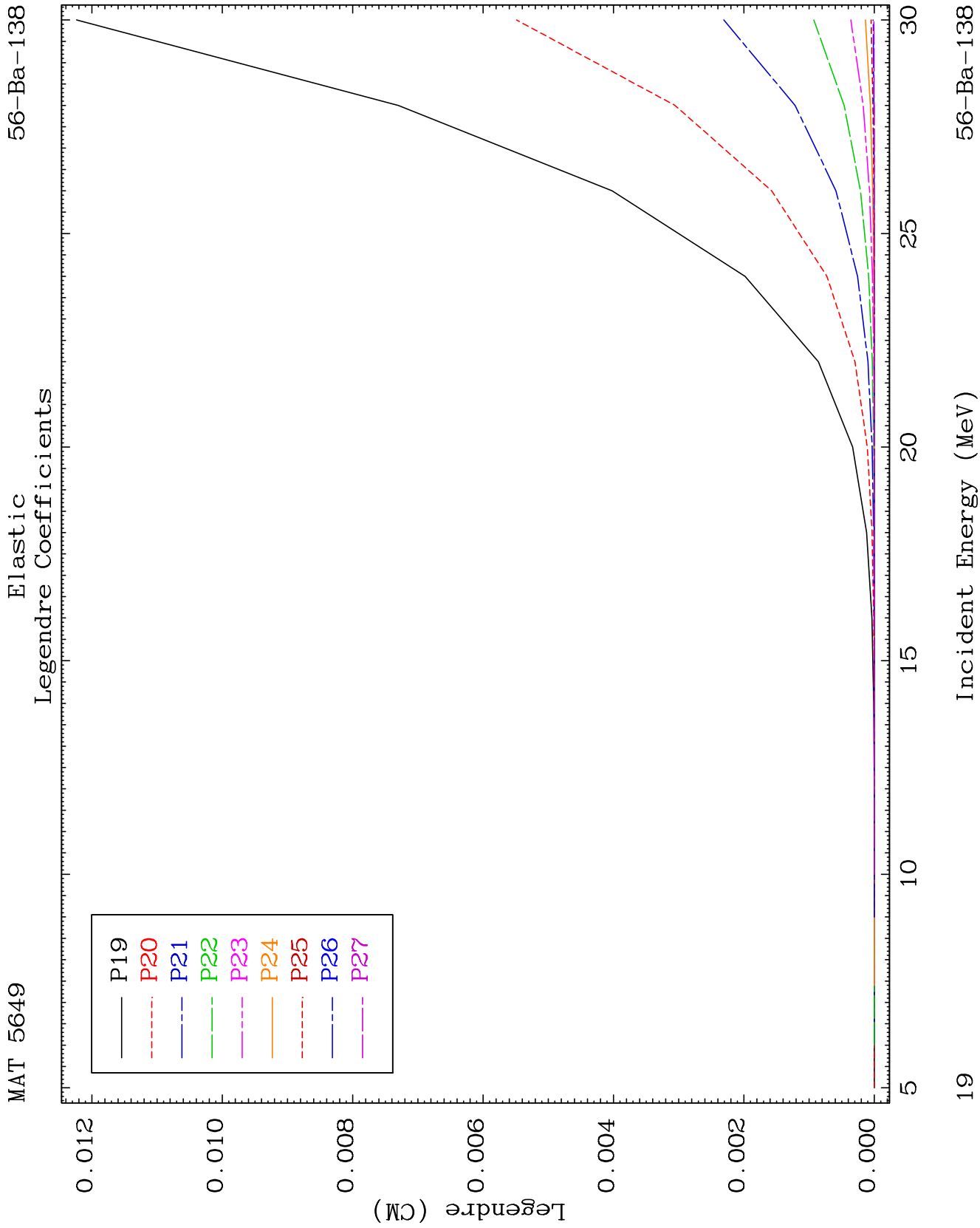
56-Ba-138

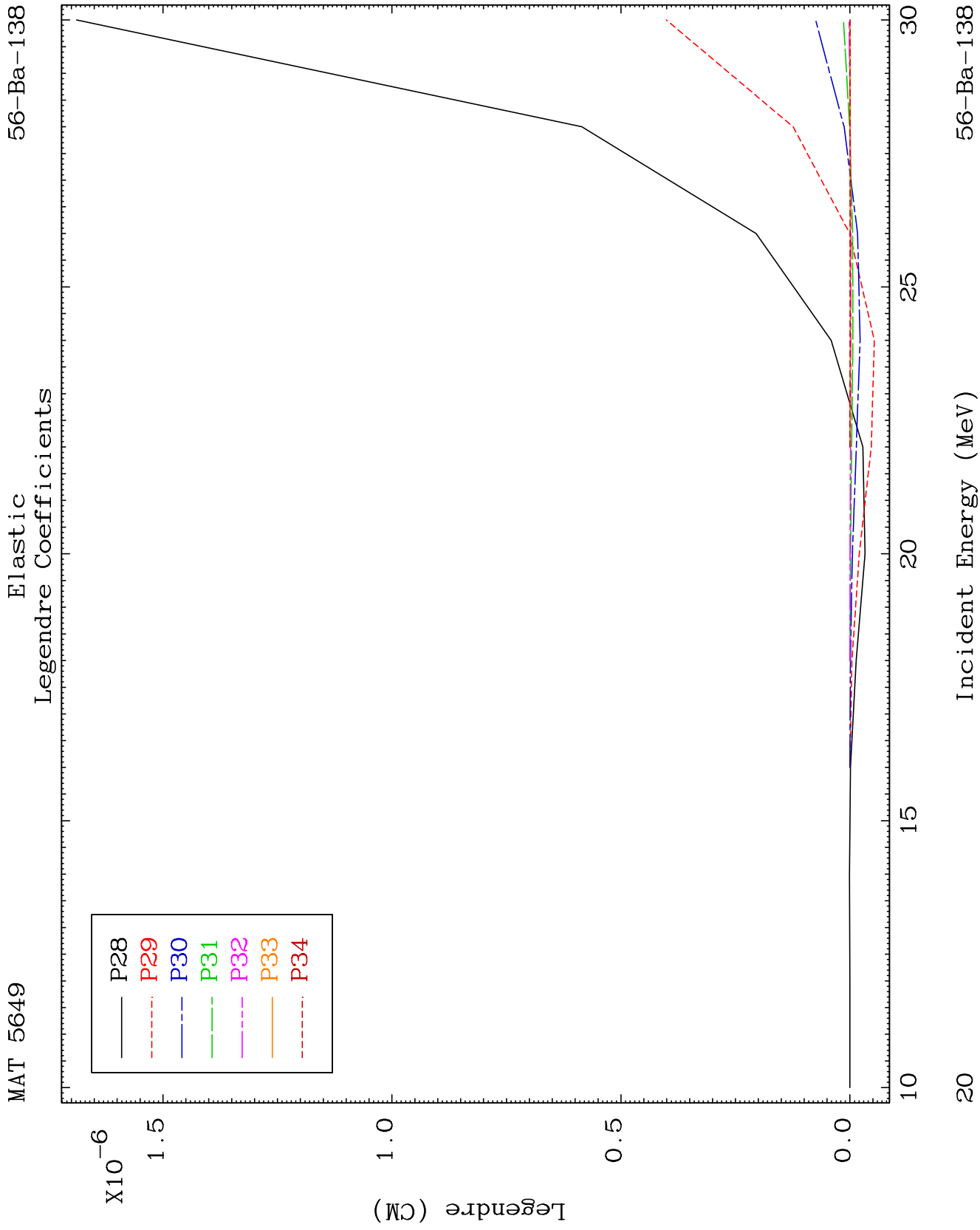
Incident Energy (MeV)

16





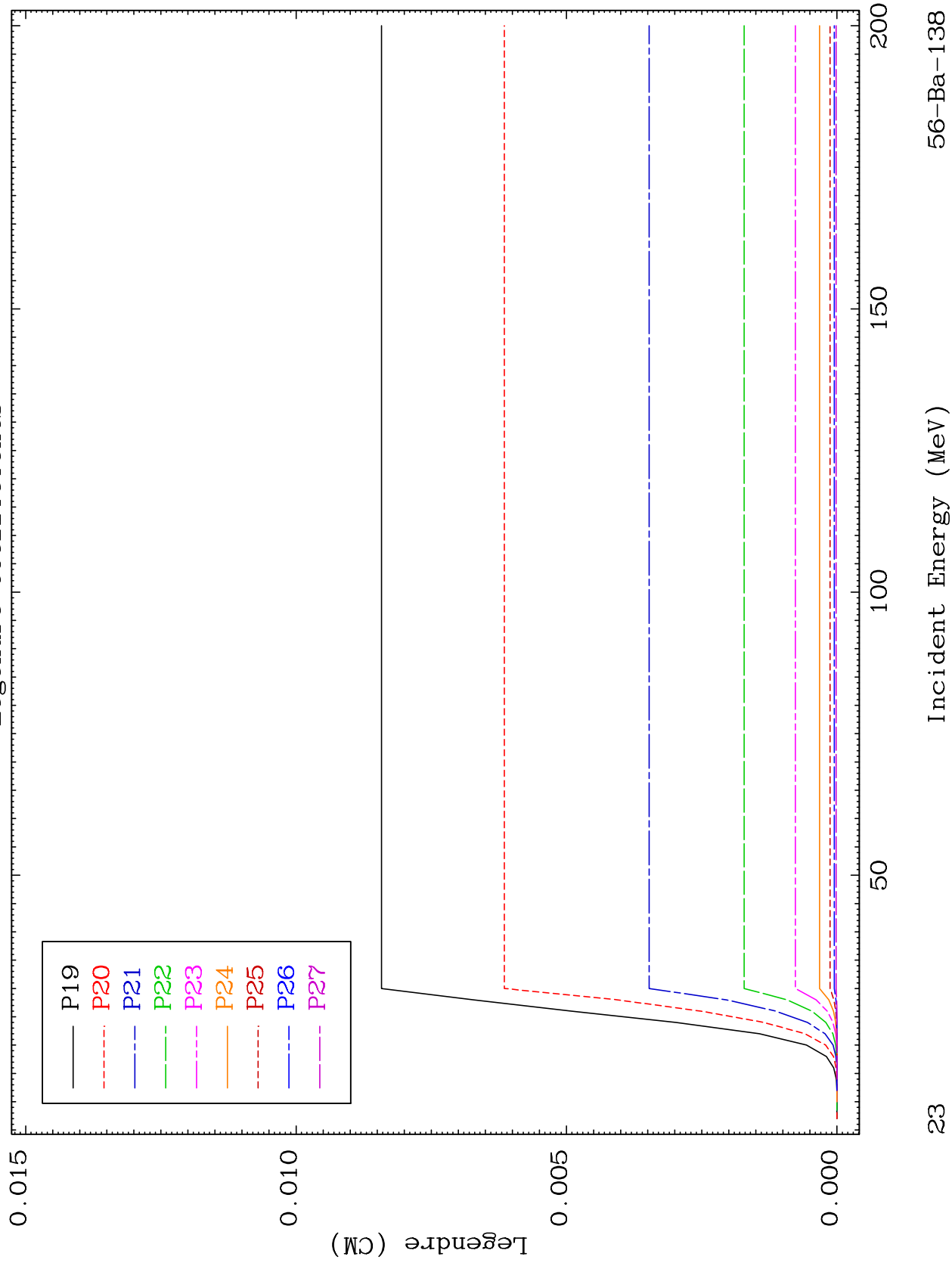


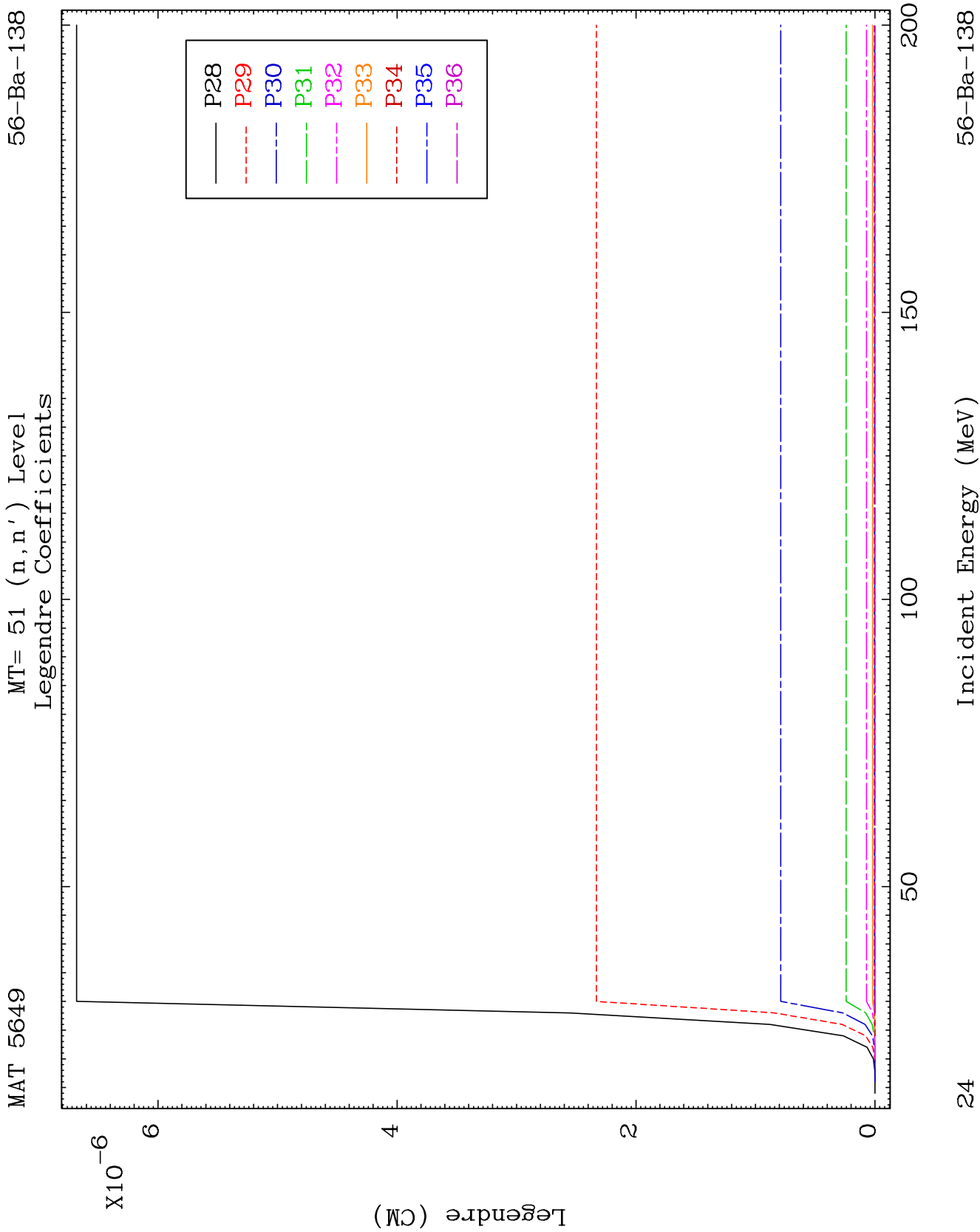


MAT 5649

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

56-Ba-138

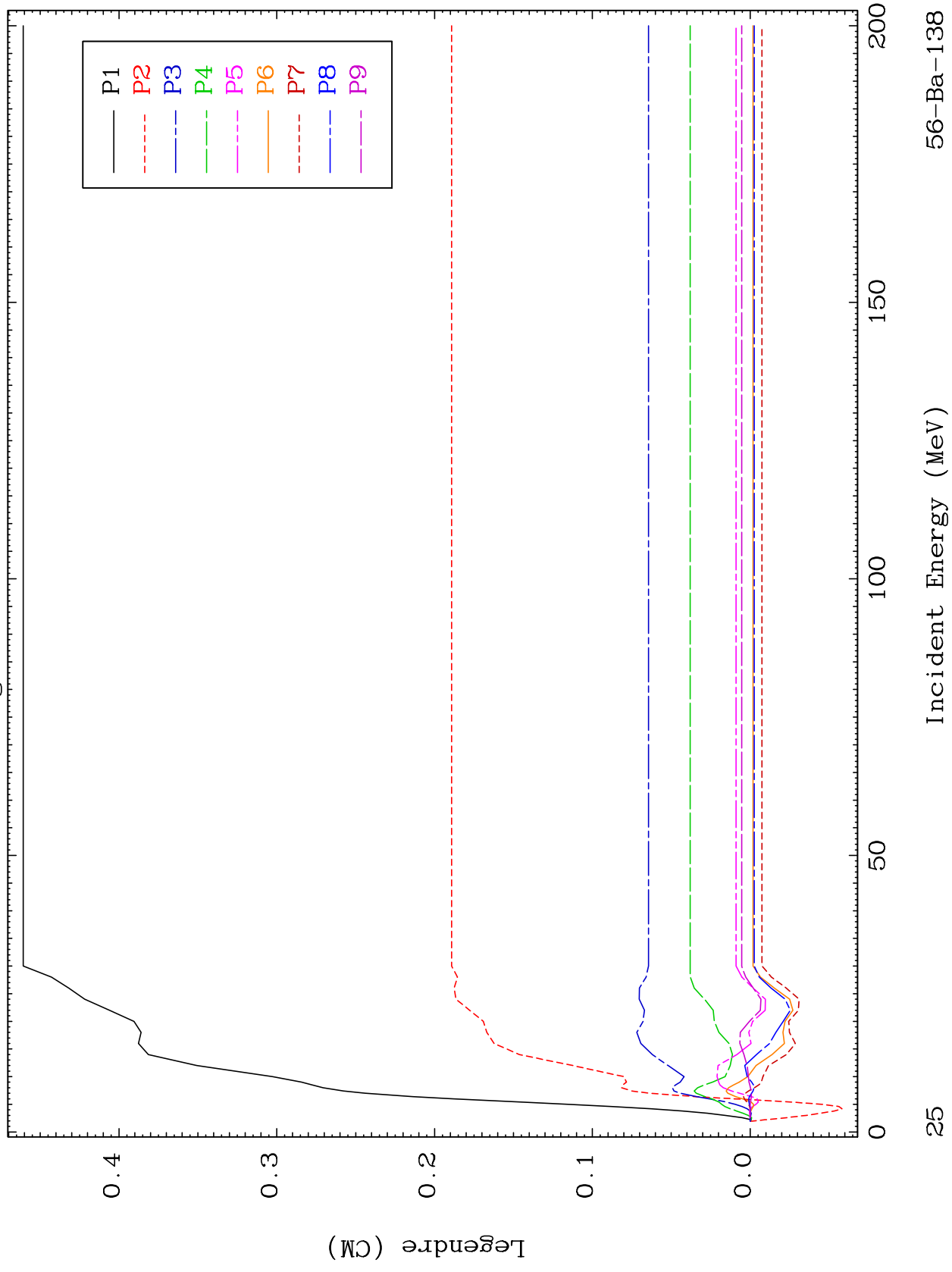




MAT 5649

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

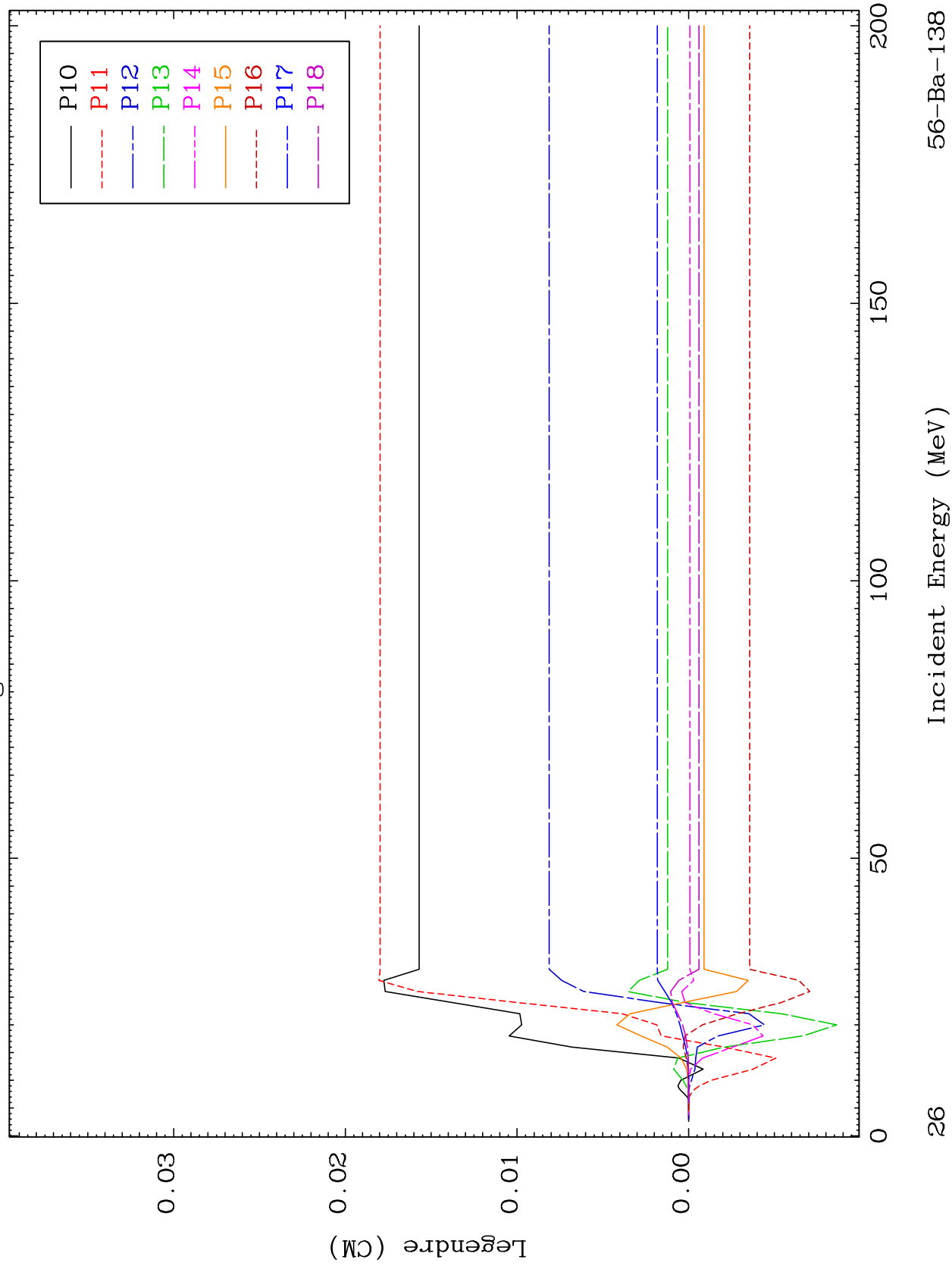
56-Ba-138

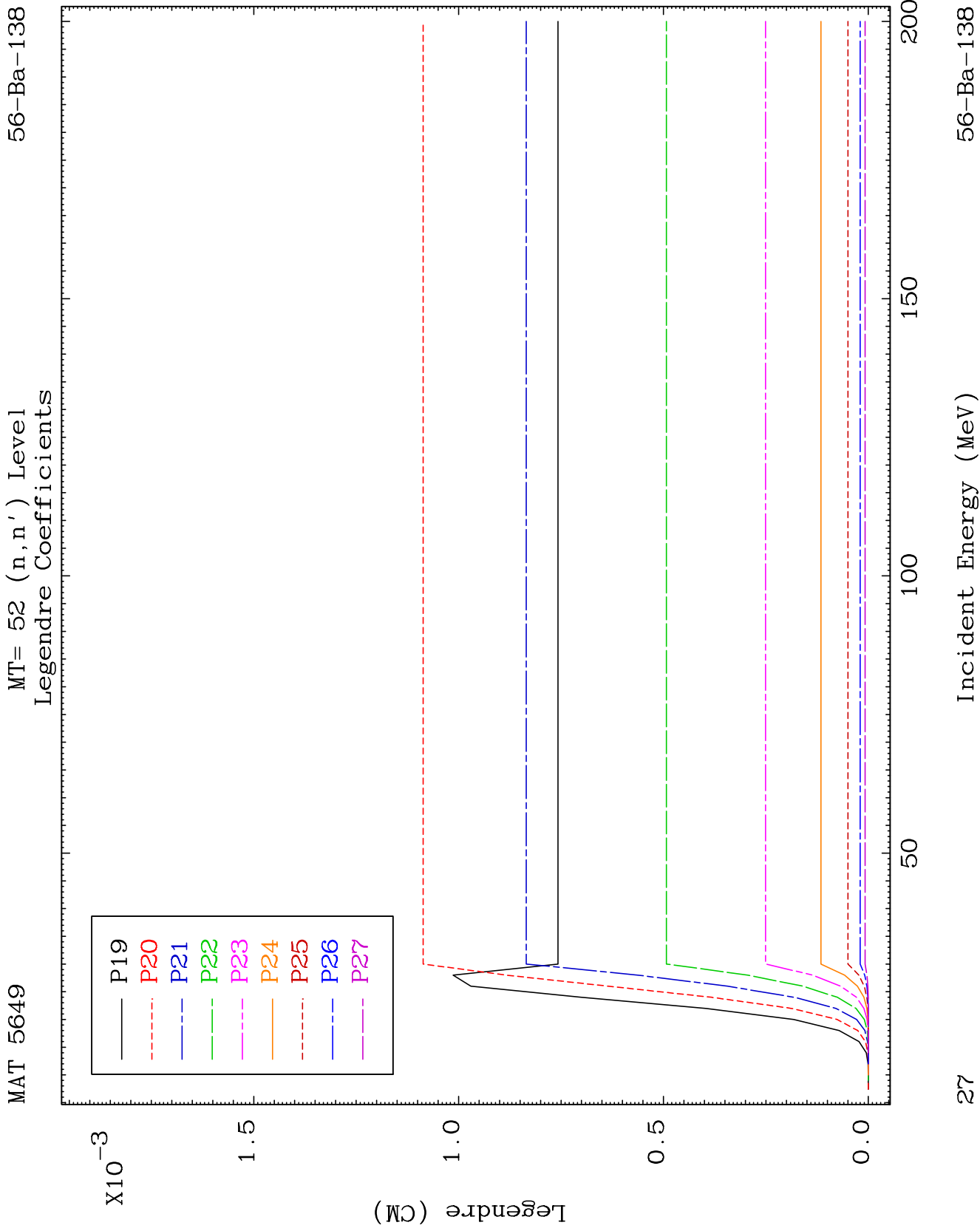


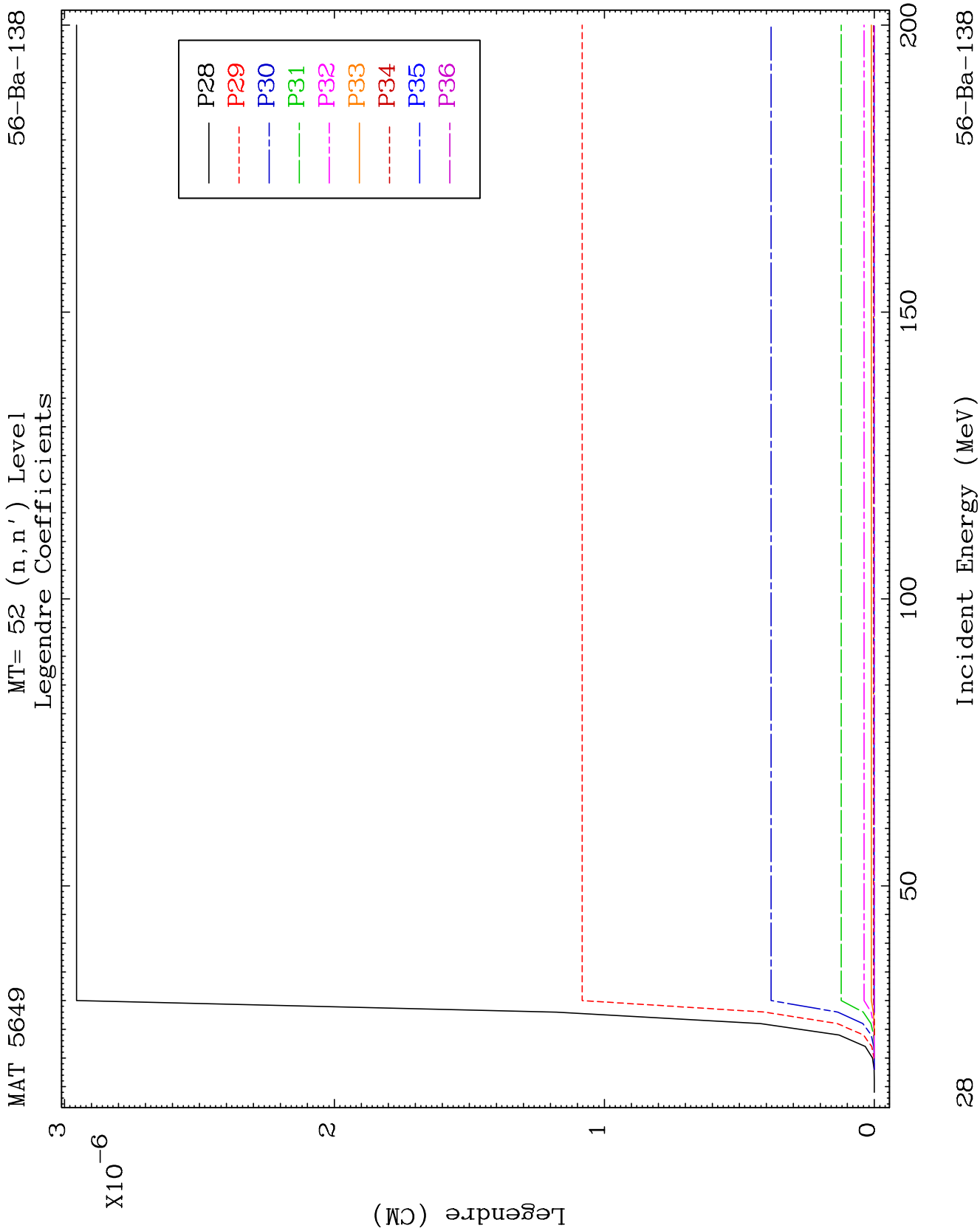
MAT 5649

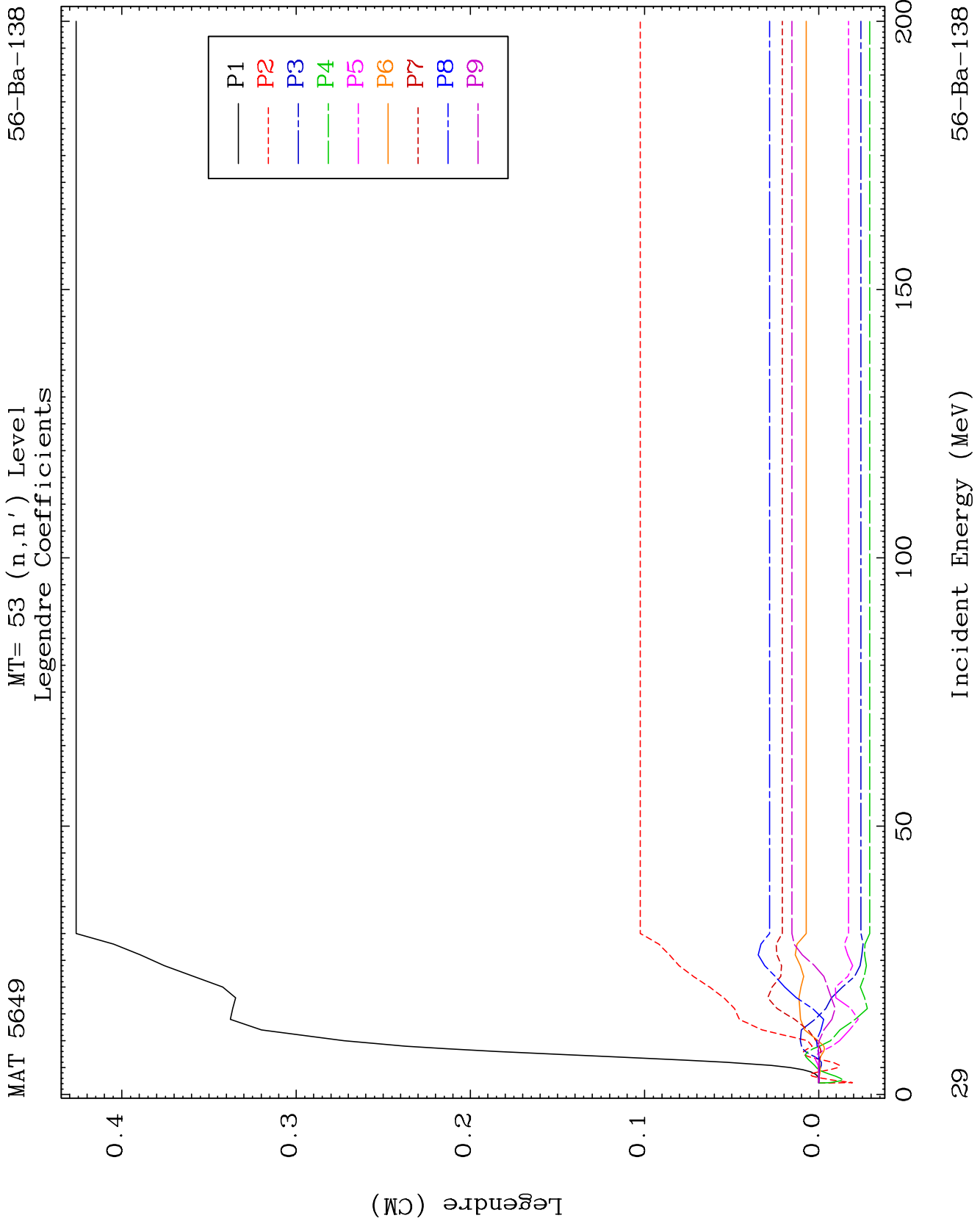
MT= 52 (n, n') Level
Legendre Coefficients

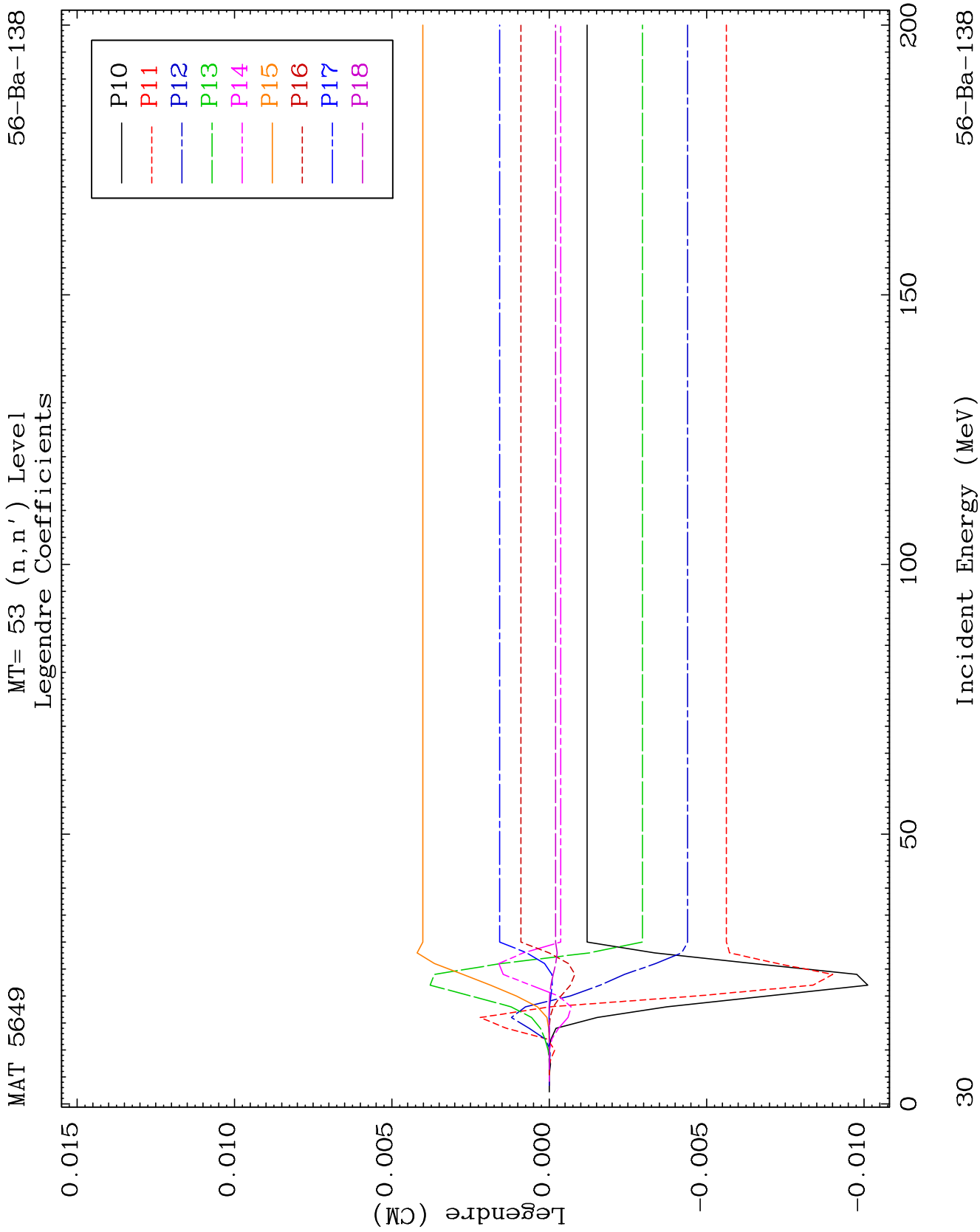
56-Ba-138

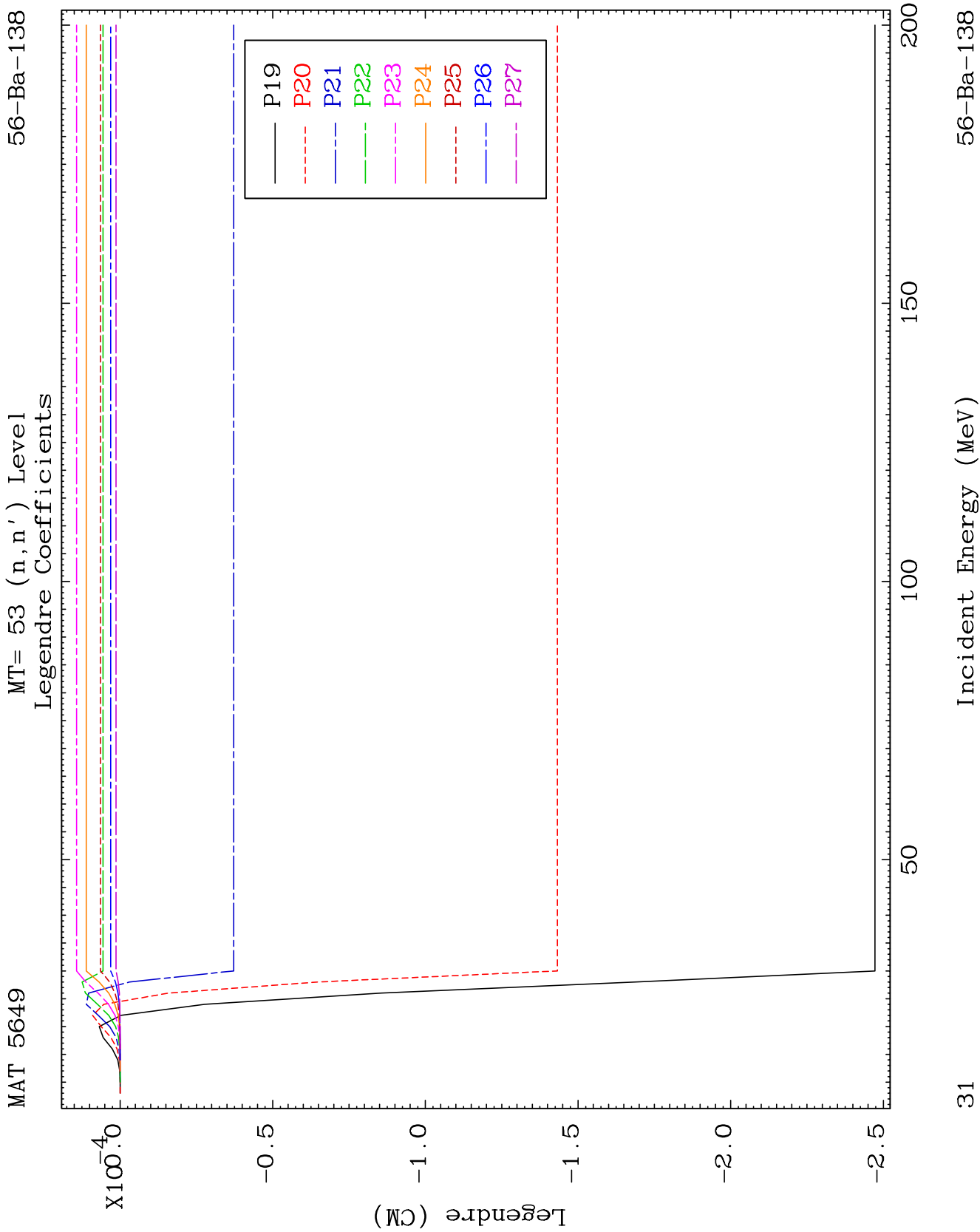


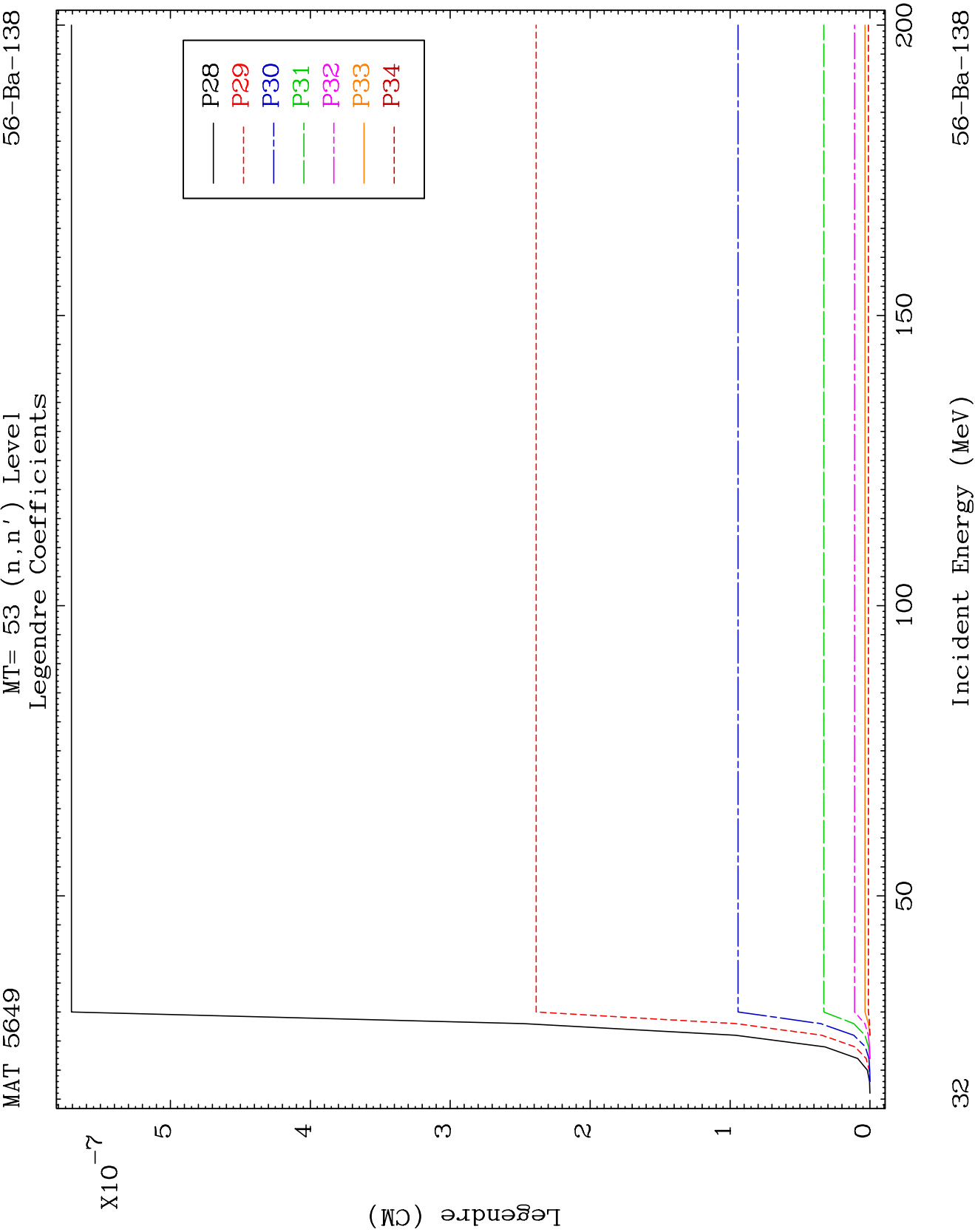


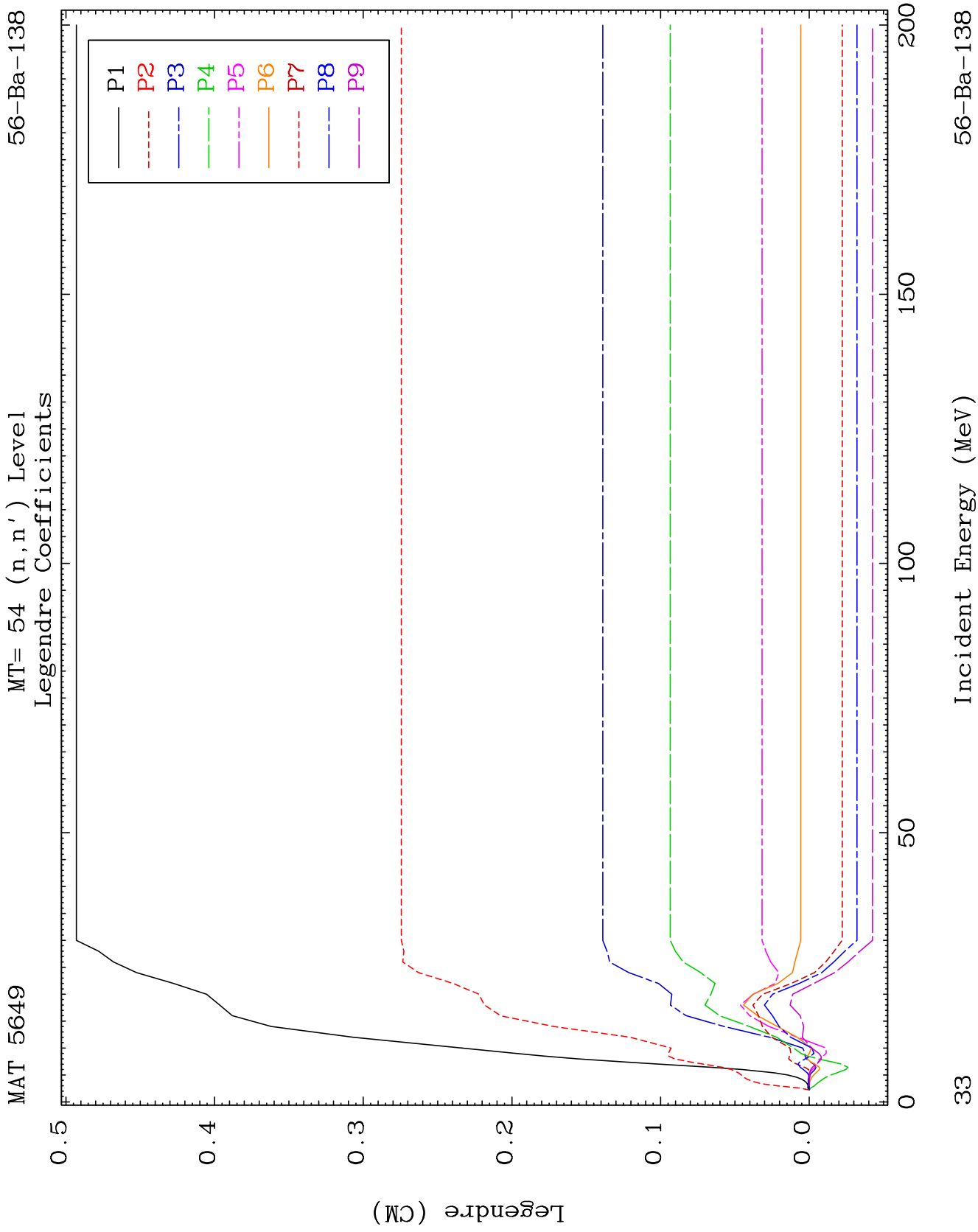


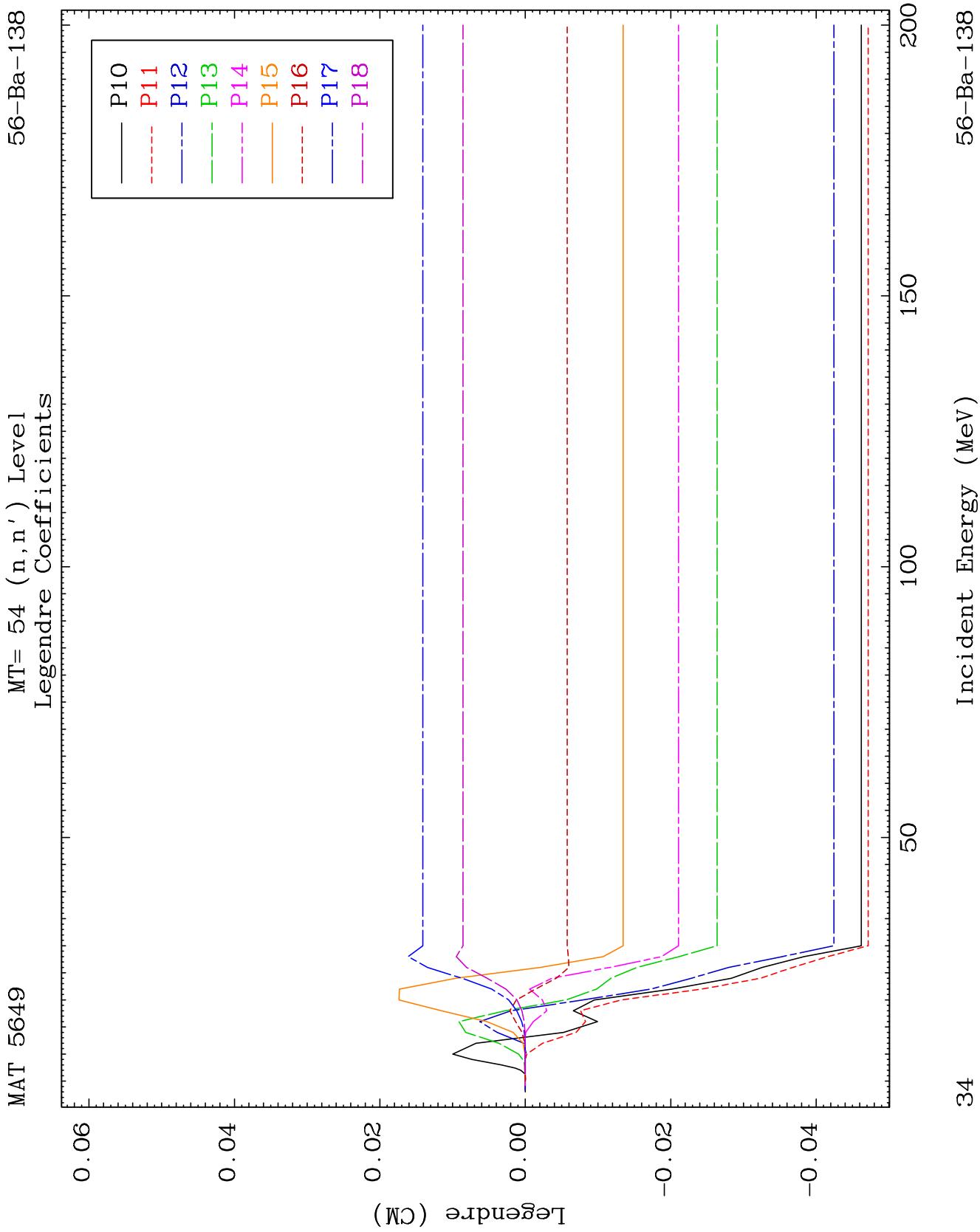








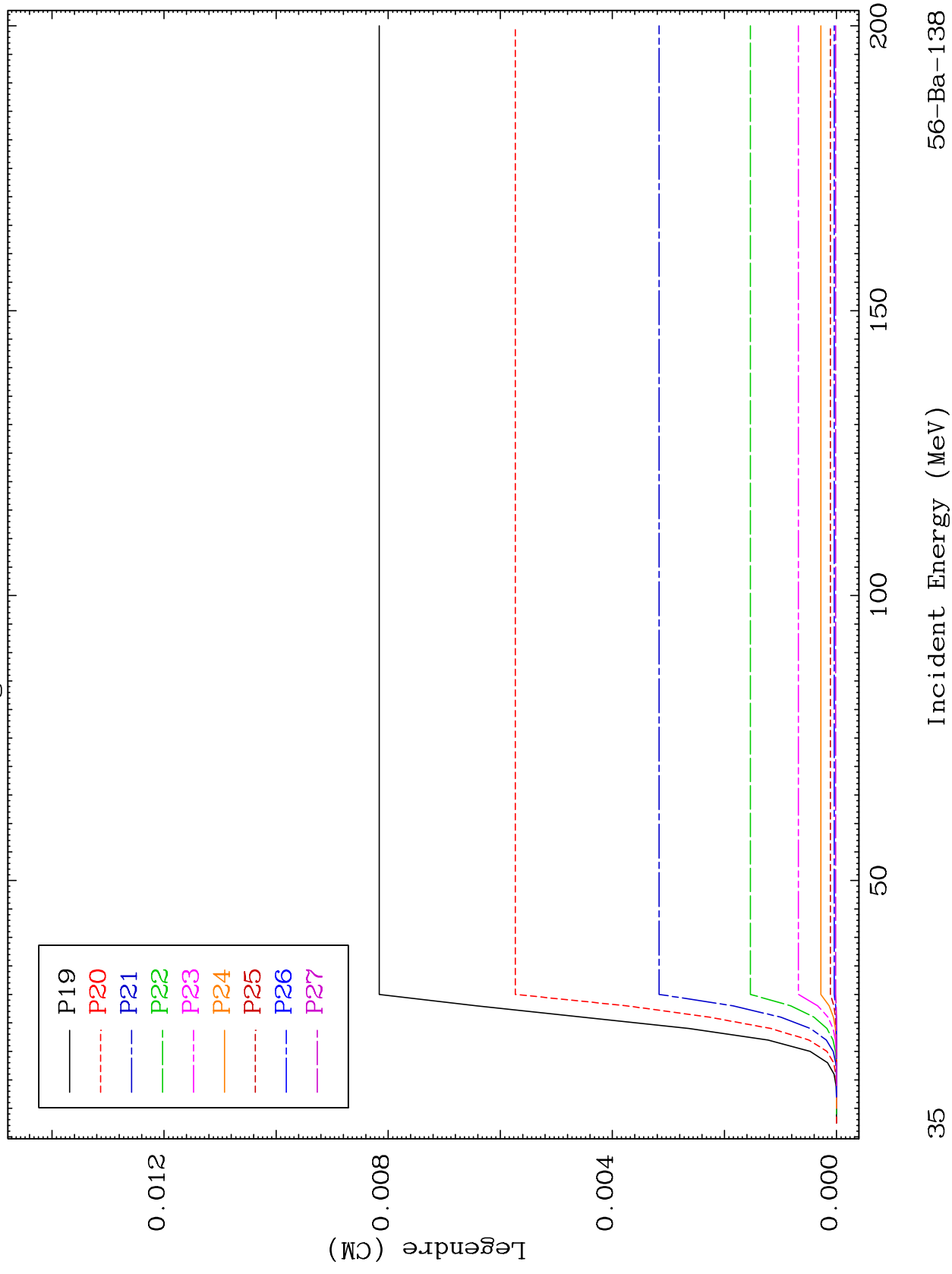




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MT= 54 (n, n') Level
Legendre Coefficients

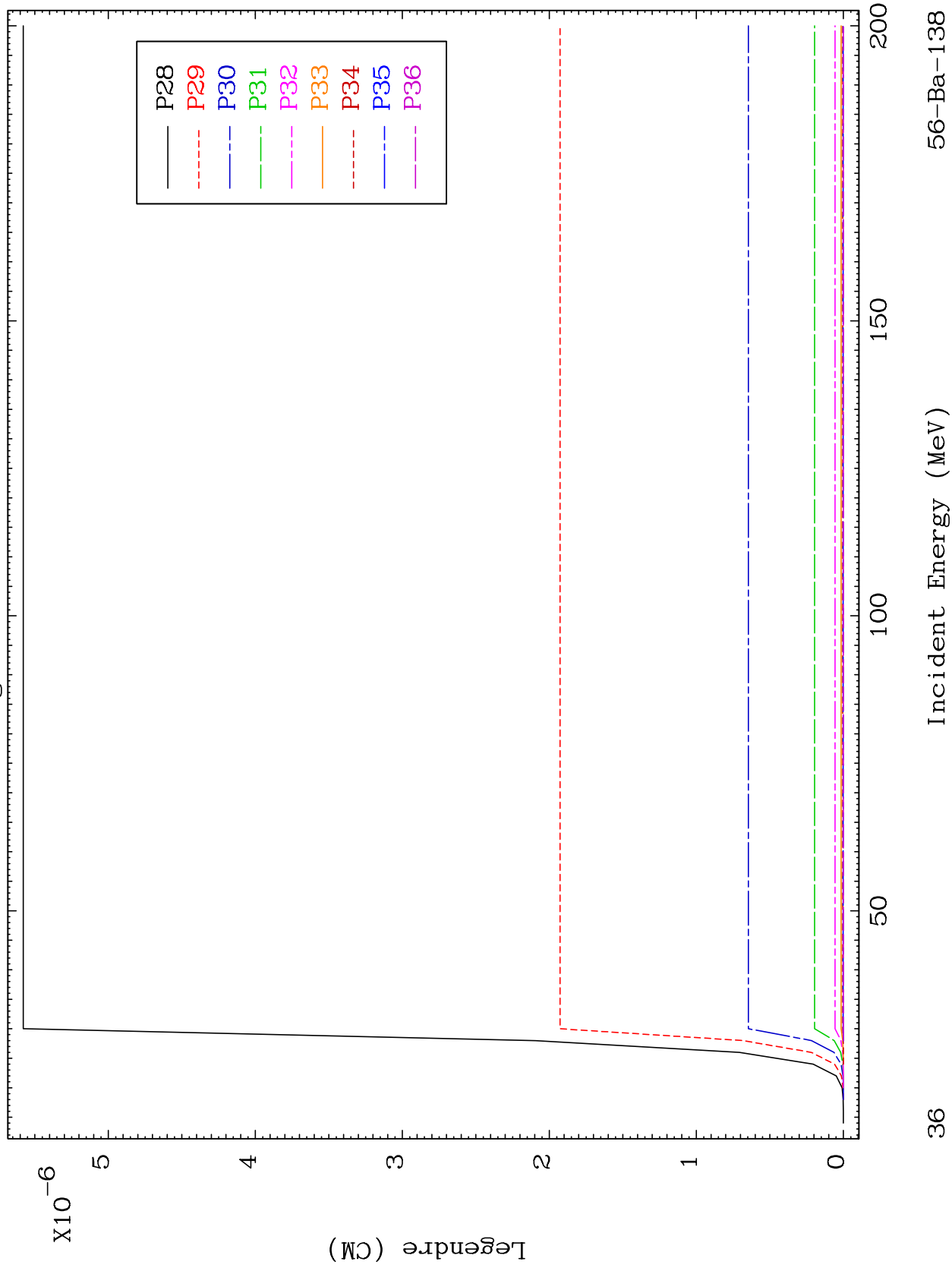
56-Ba-138



MAT 5649

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

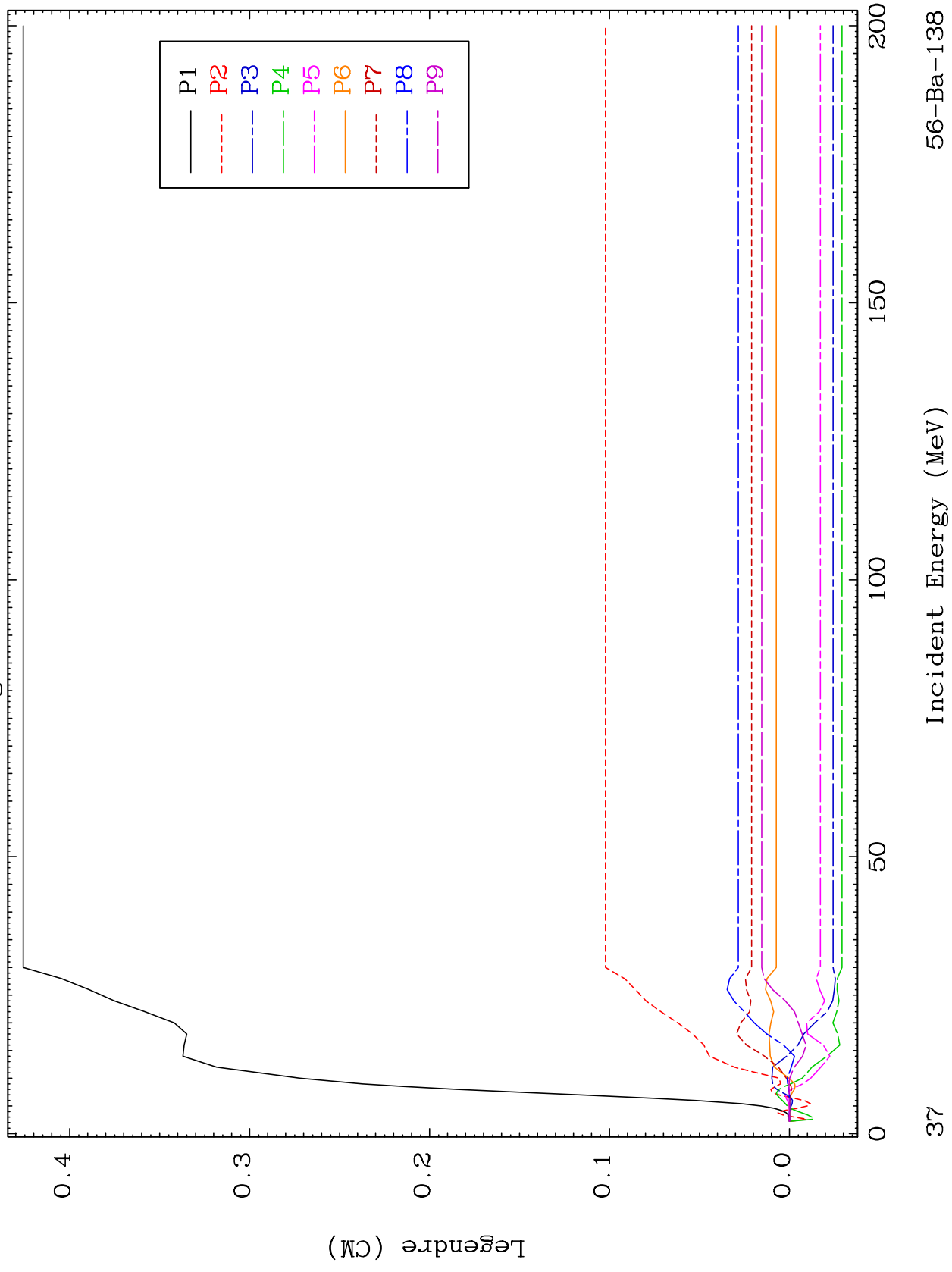
56-Ba-138



MAT 5649

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

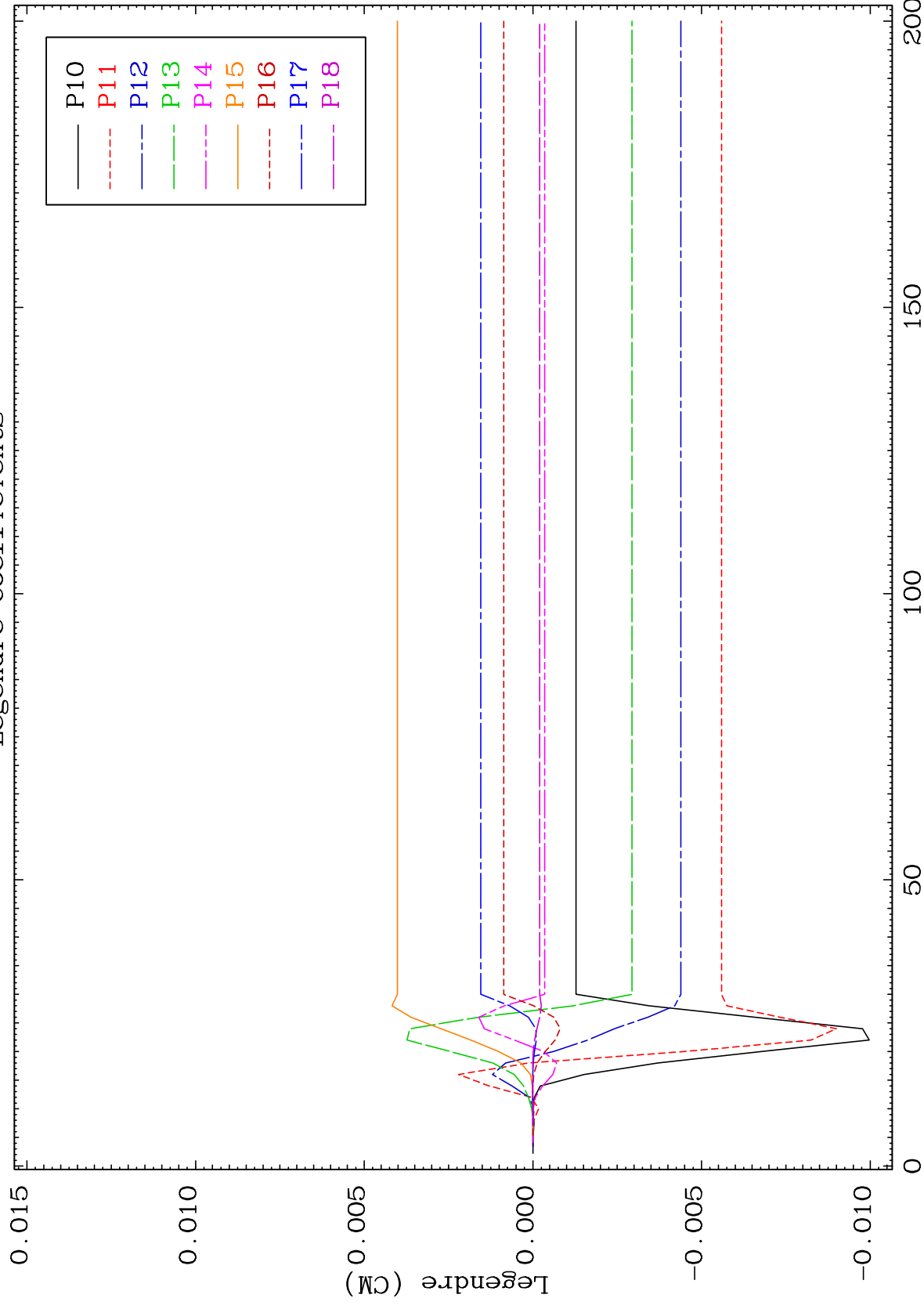
56-Ba-138



MAT 5649

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

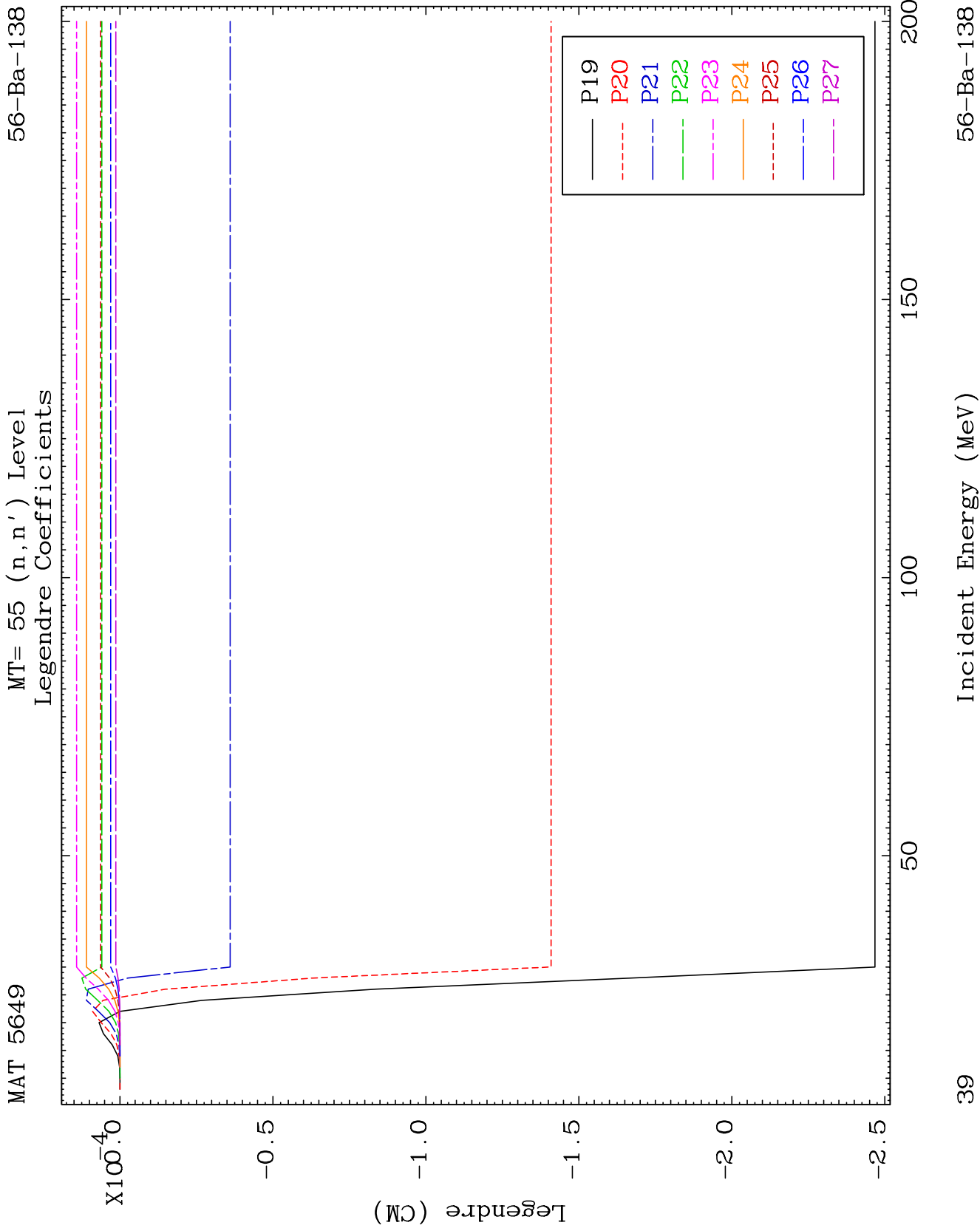
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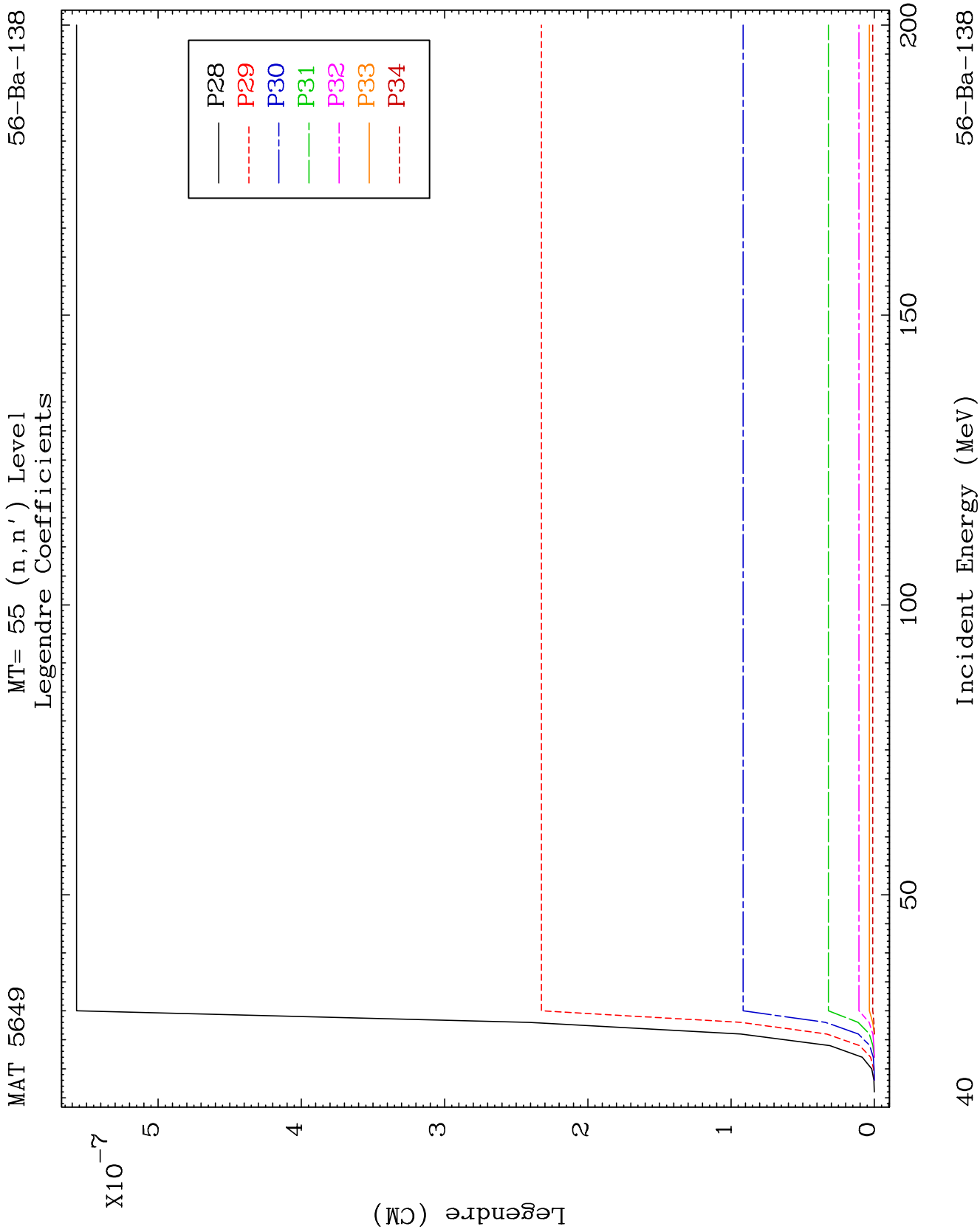


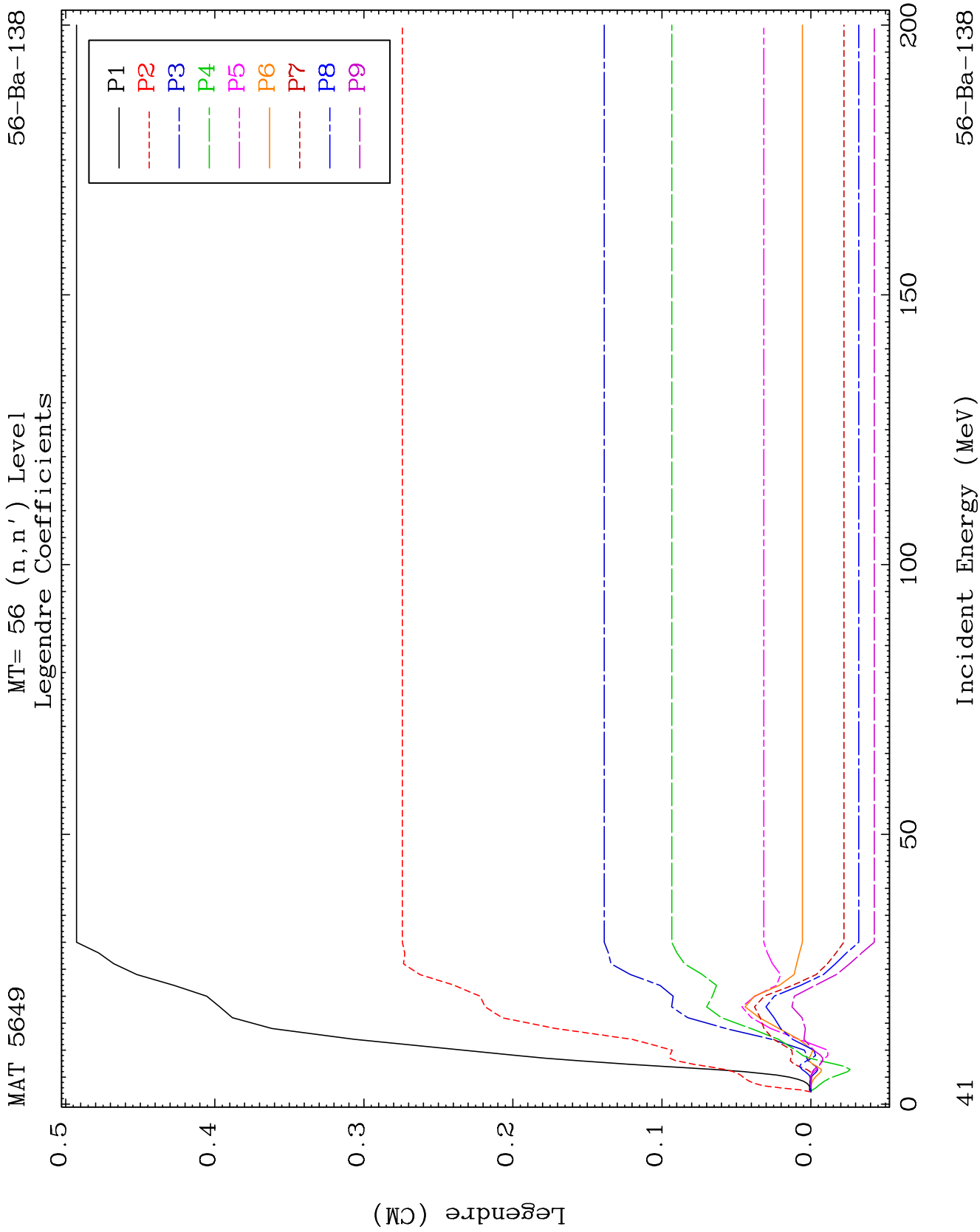
33

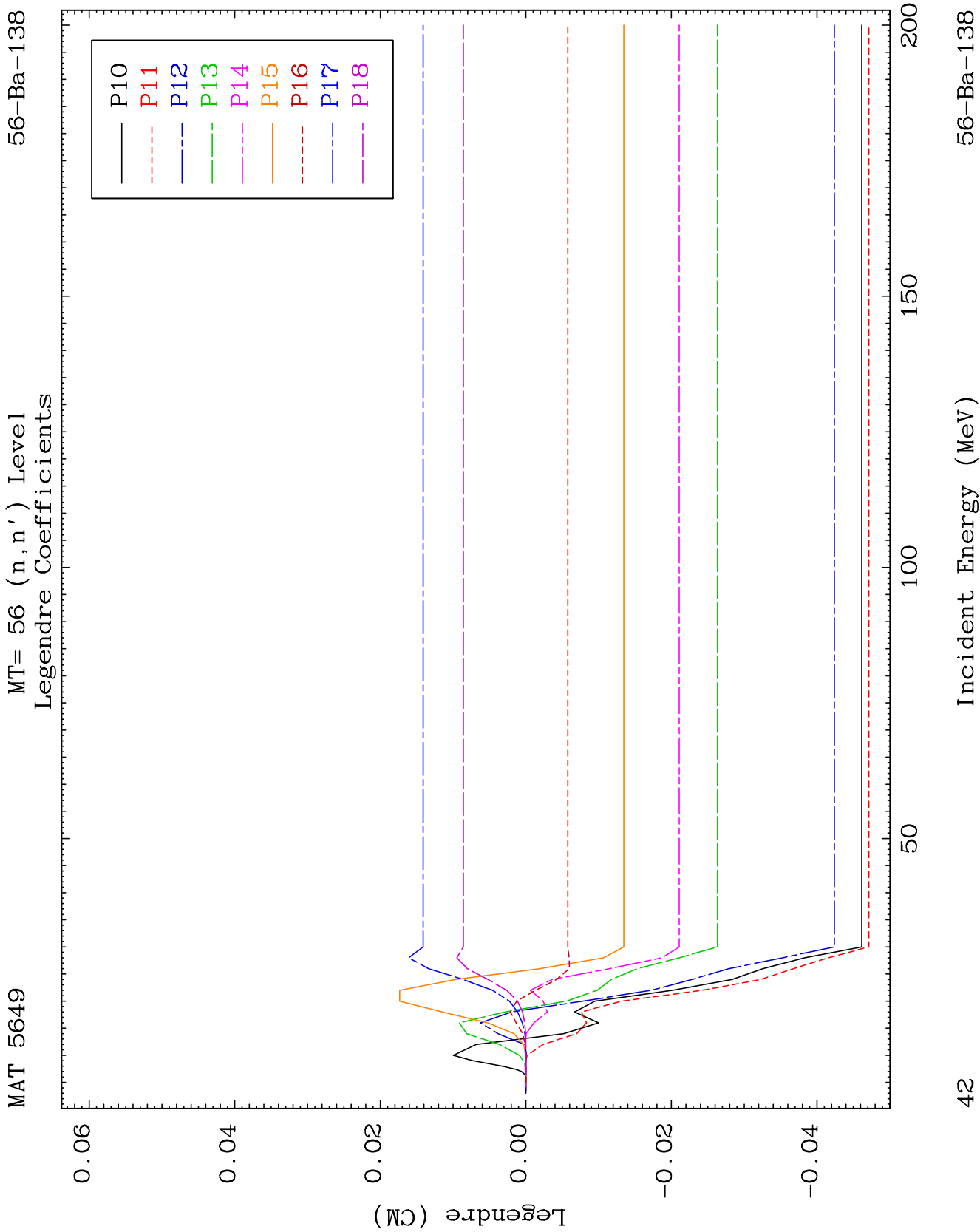
Incident Energy (MeV)

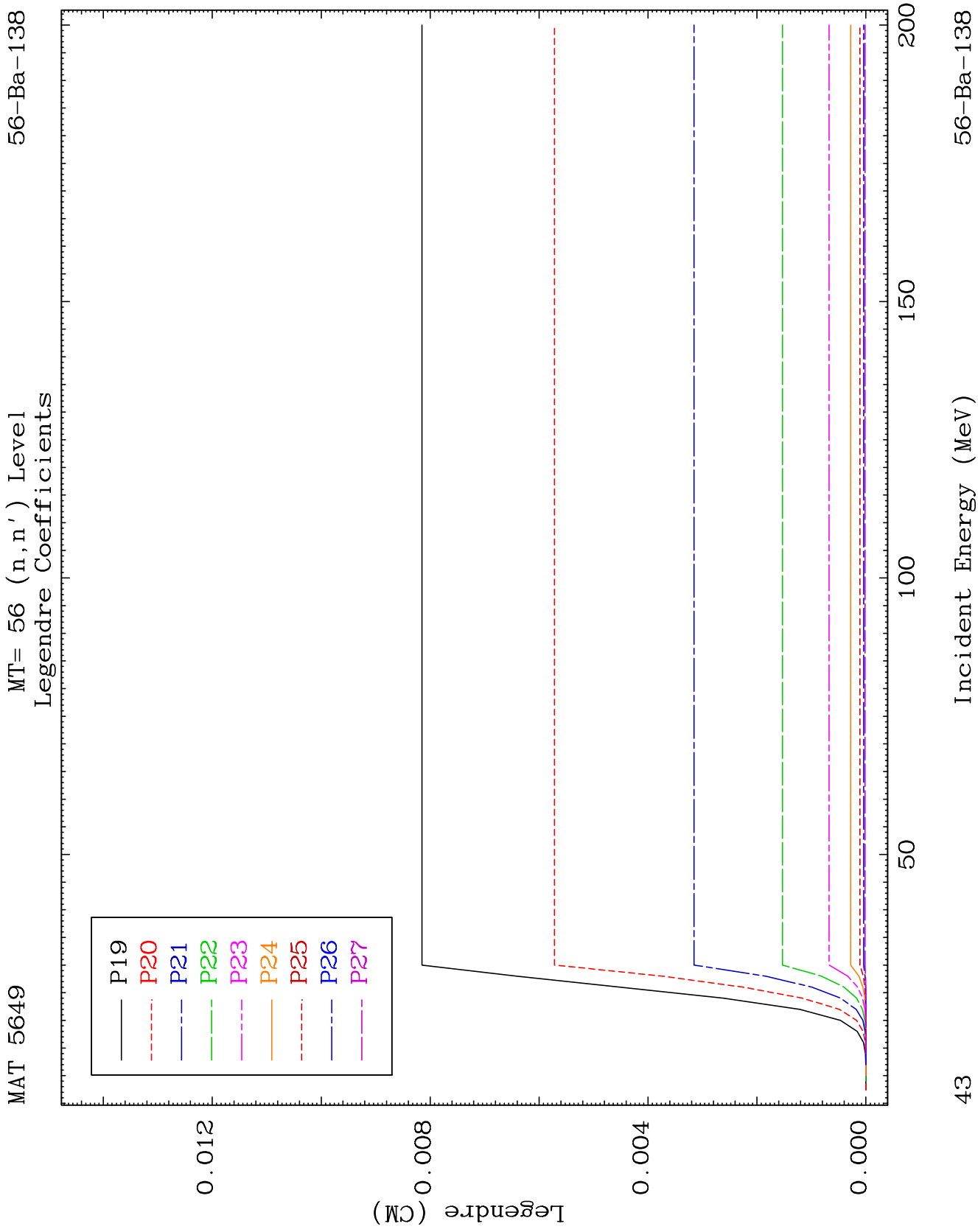
56-Ba-138

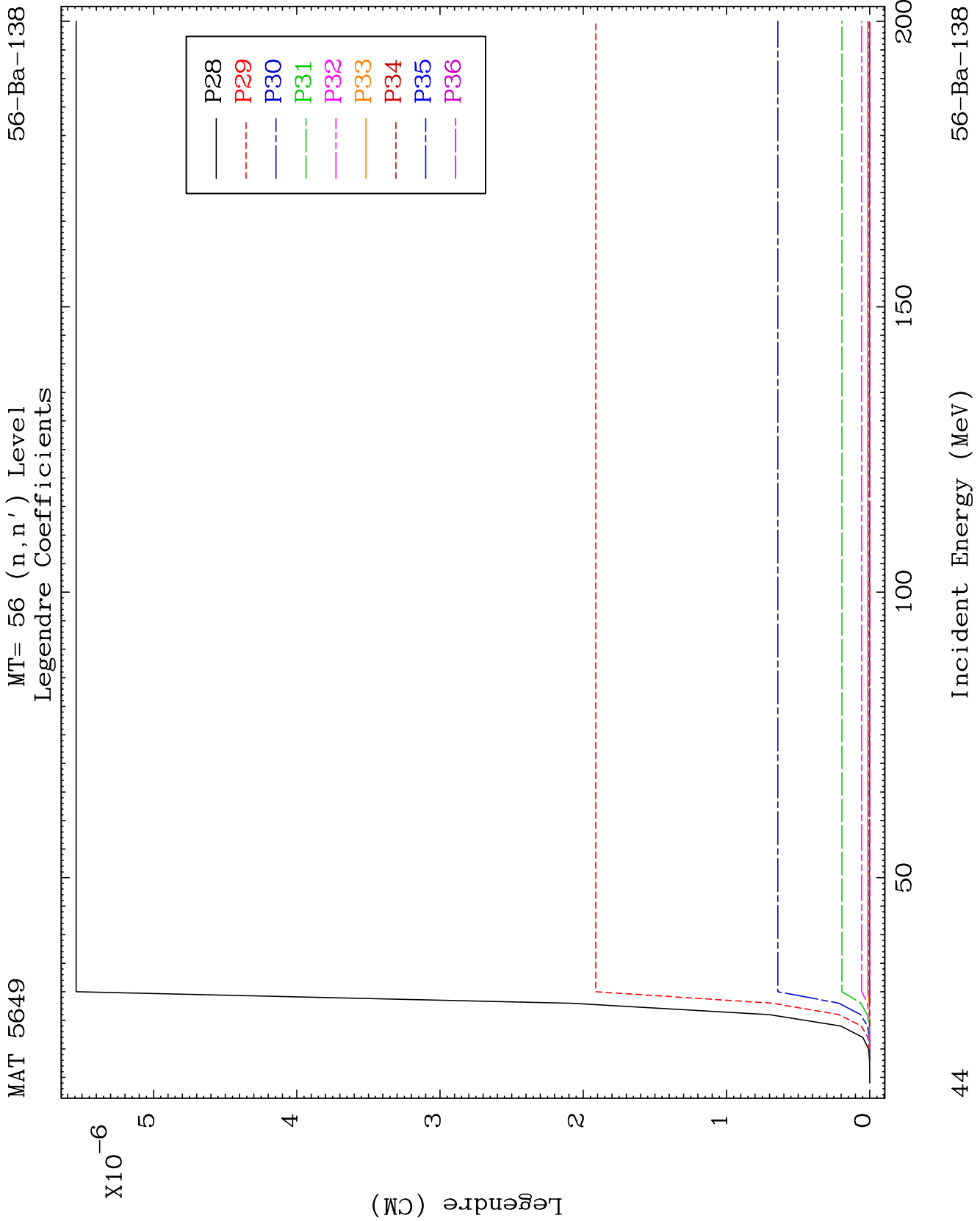








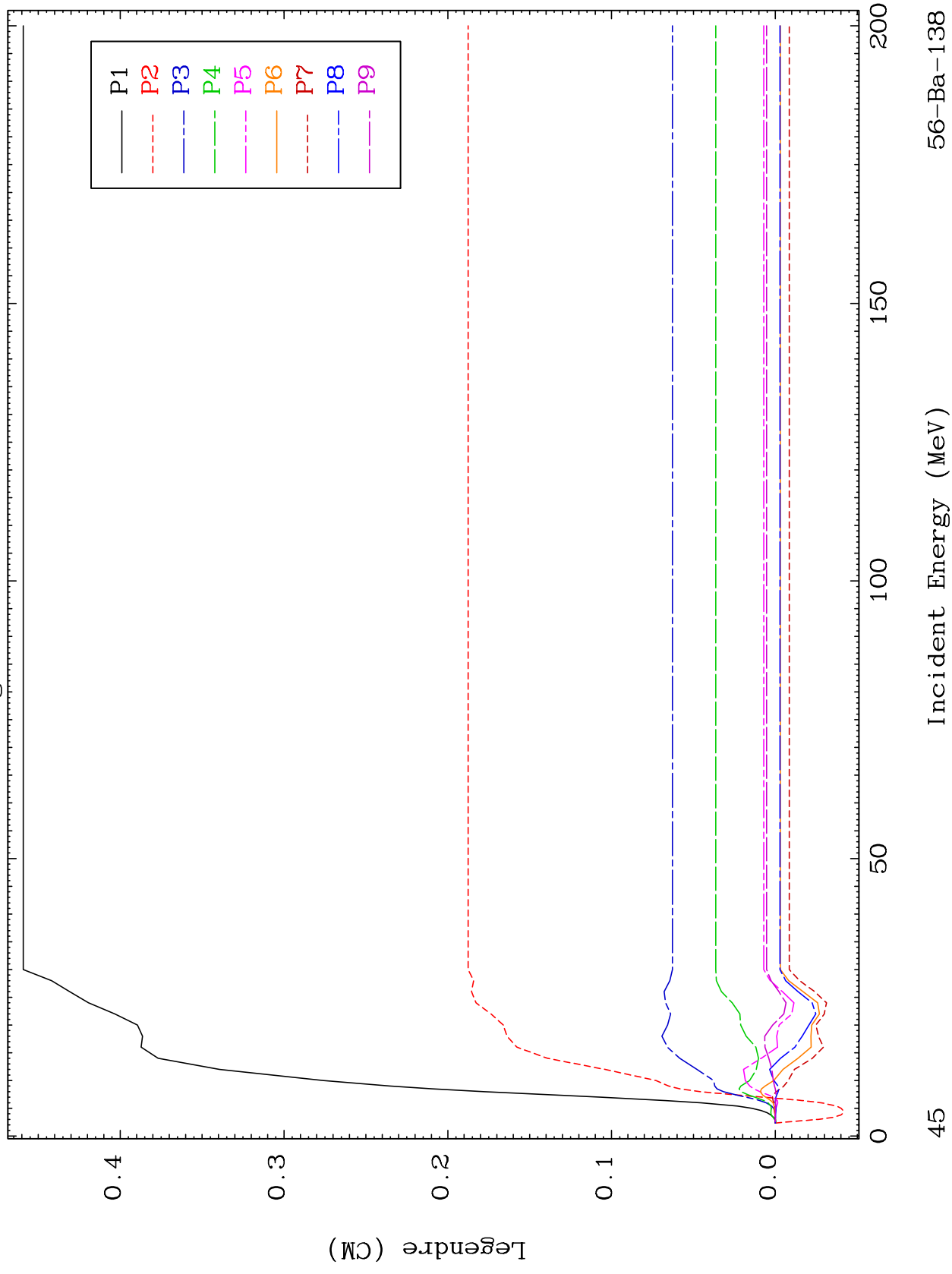


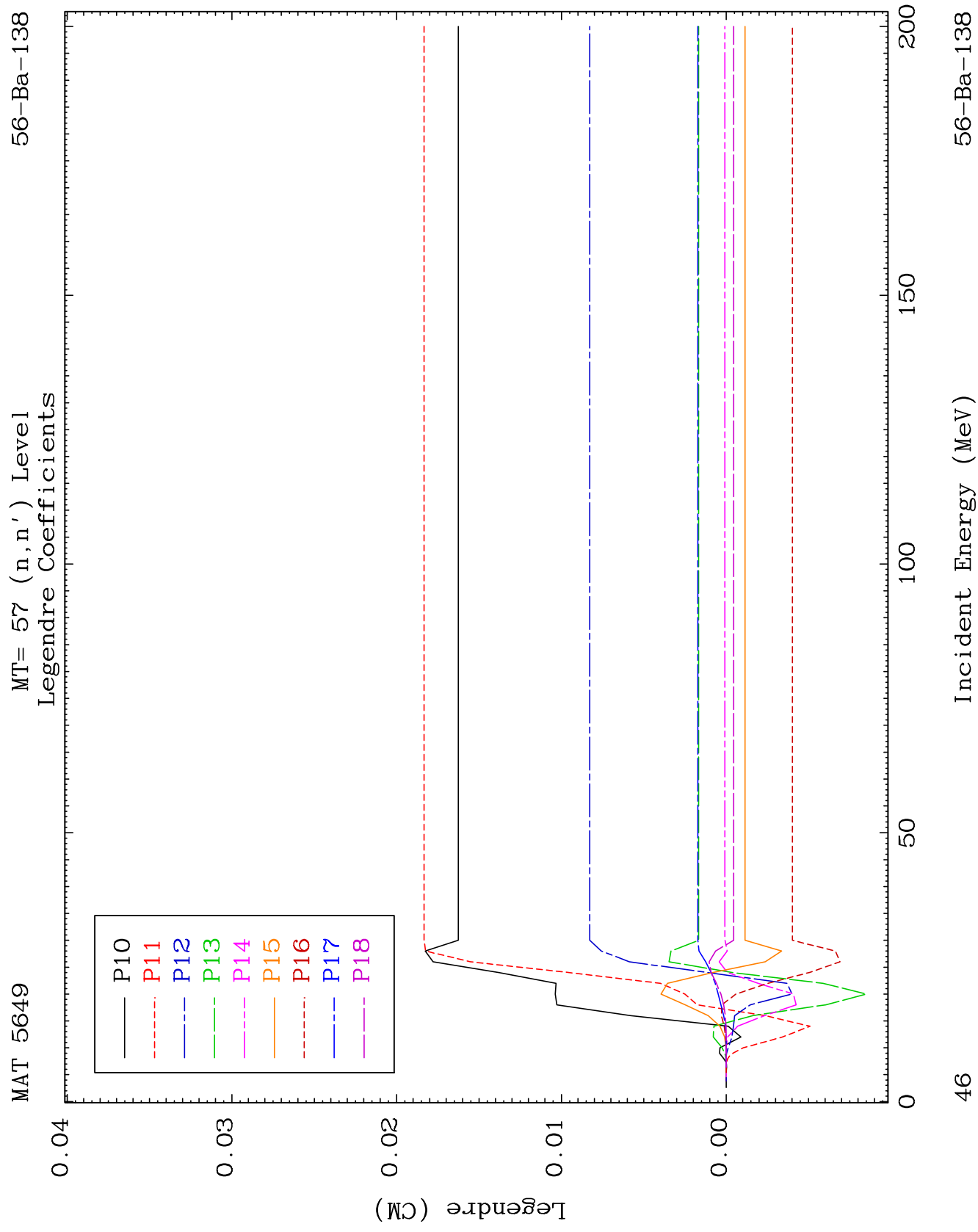


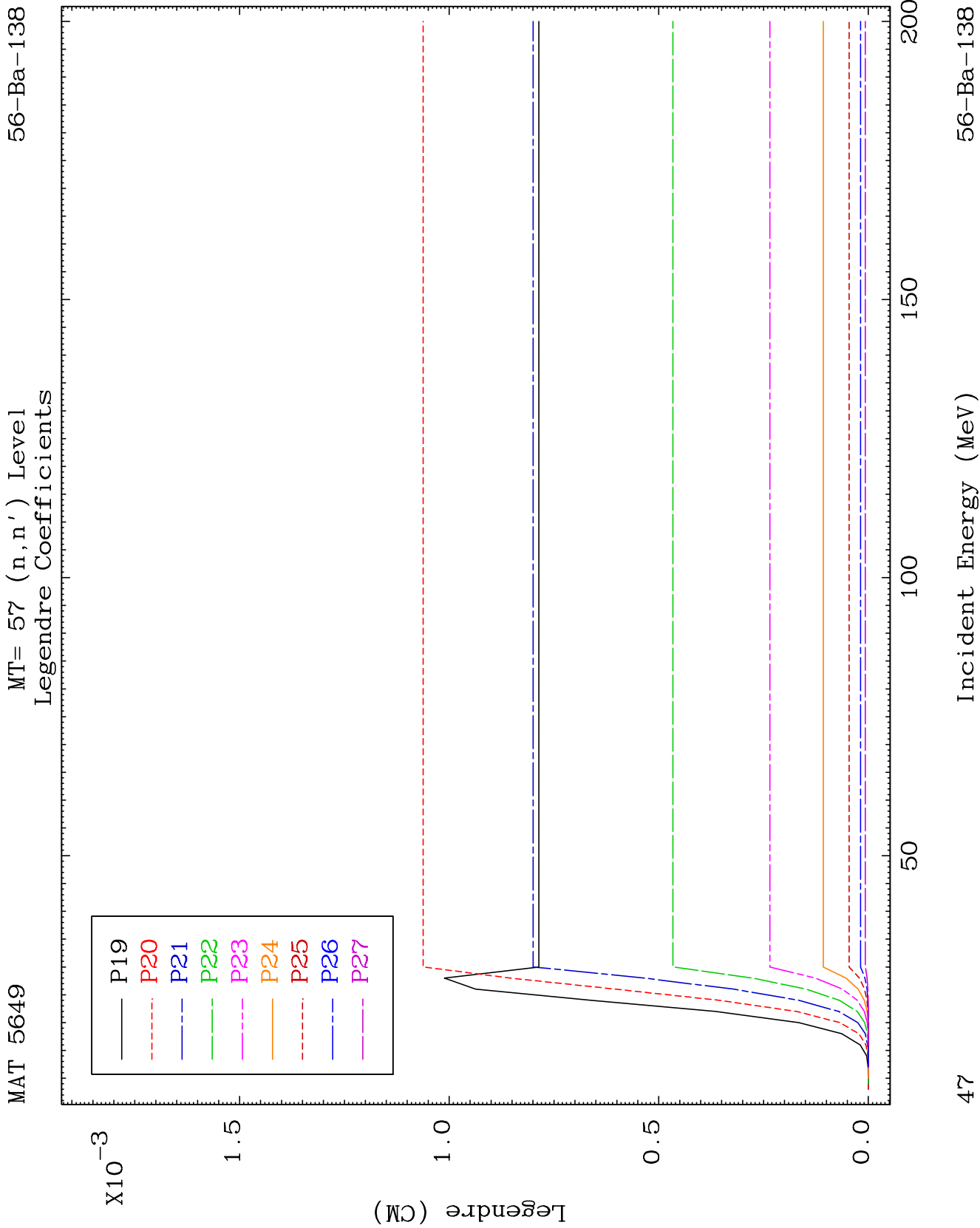
MAT 5649

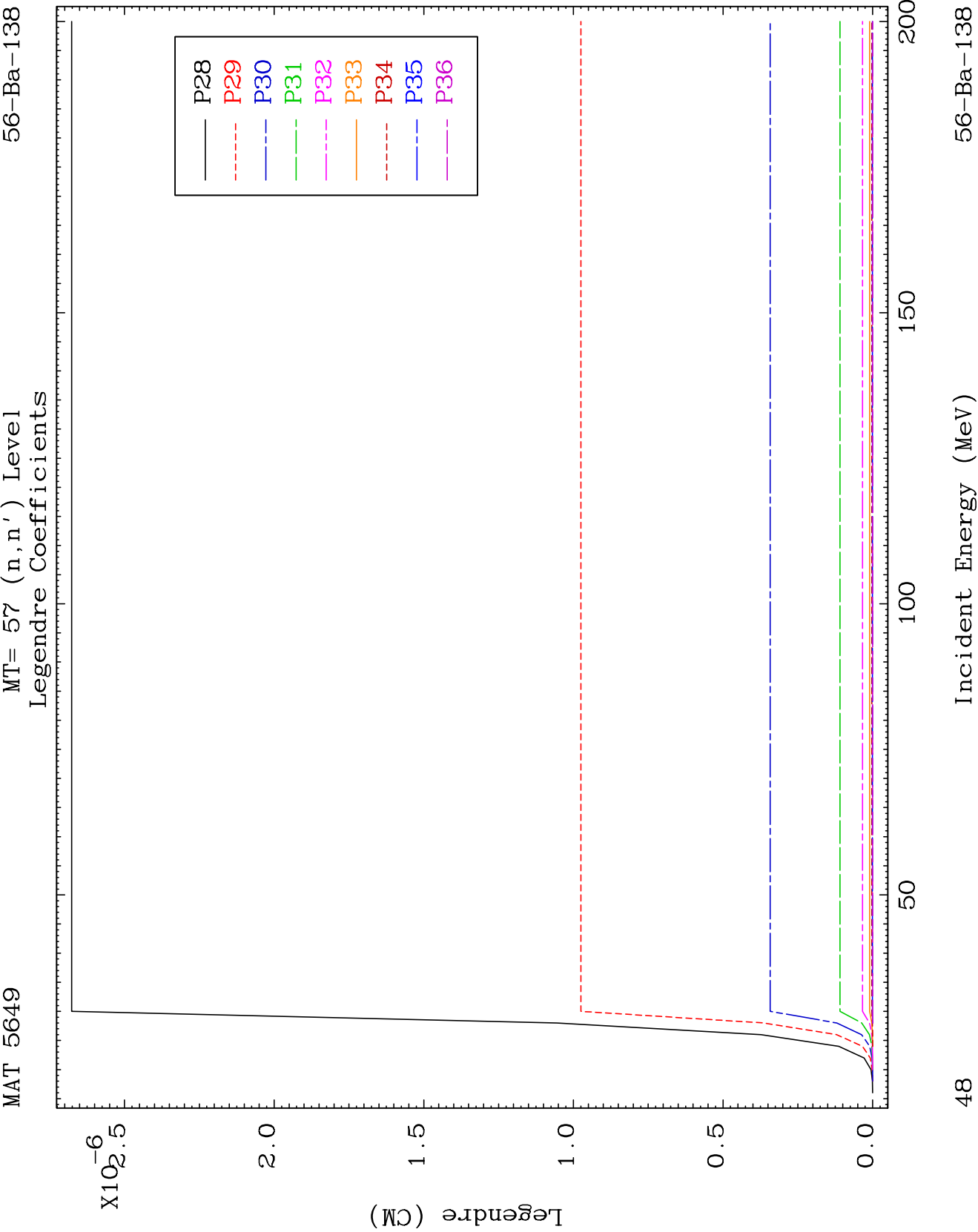
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Legendre Coefficients

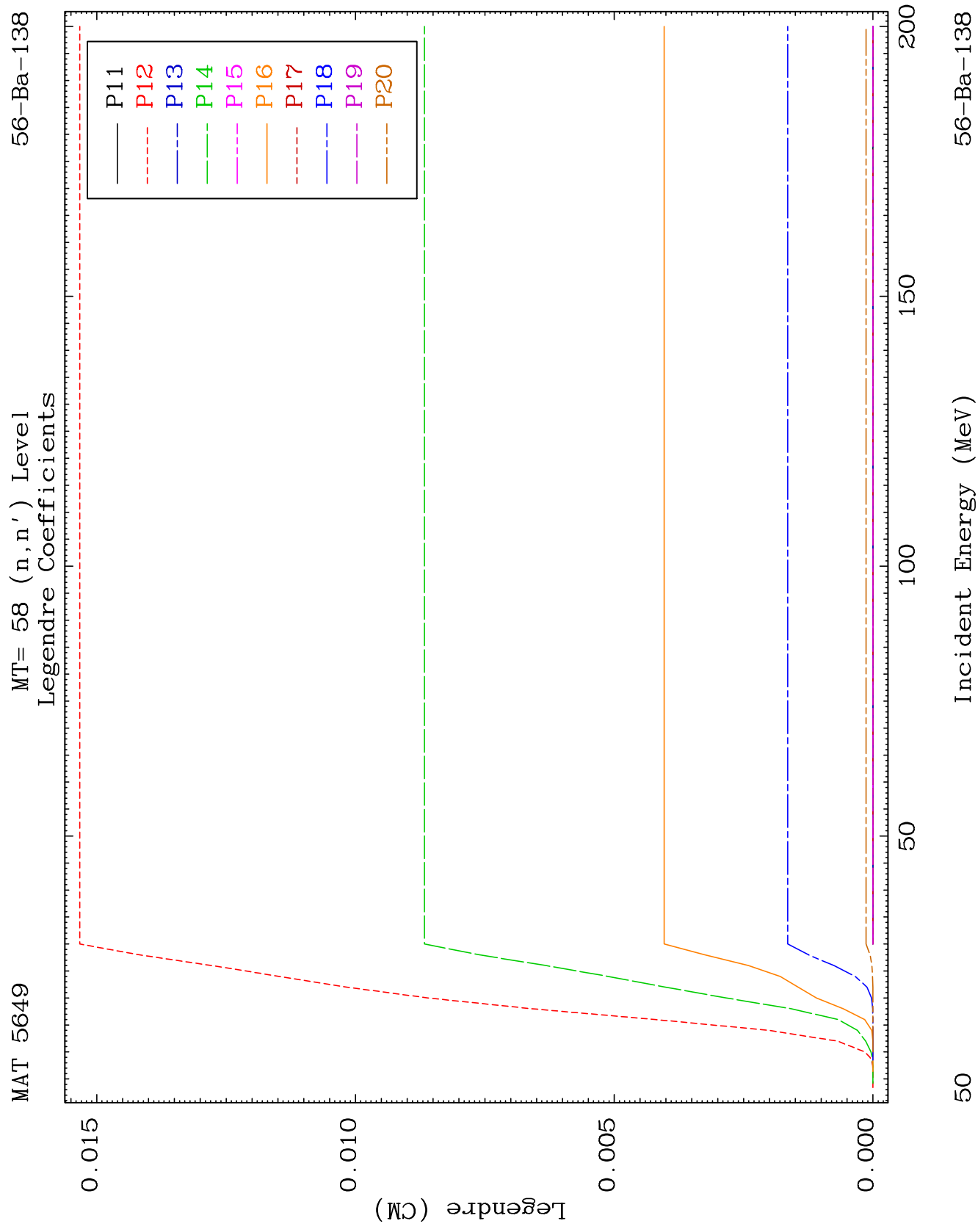
56-Ba-138







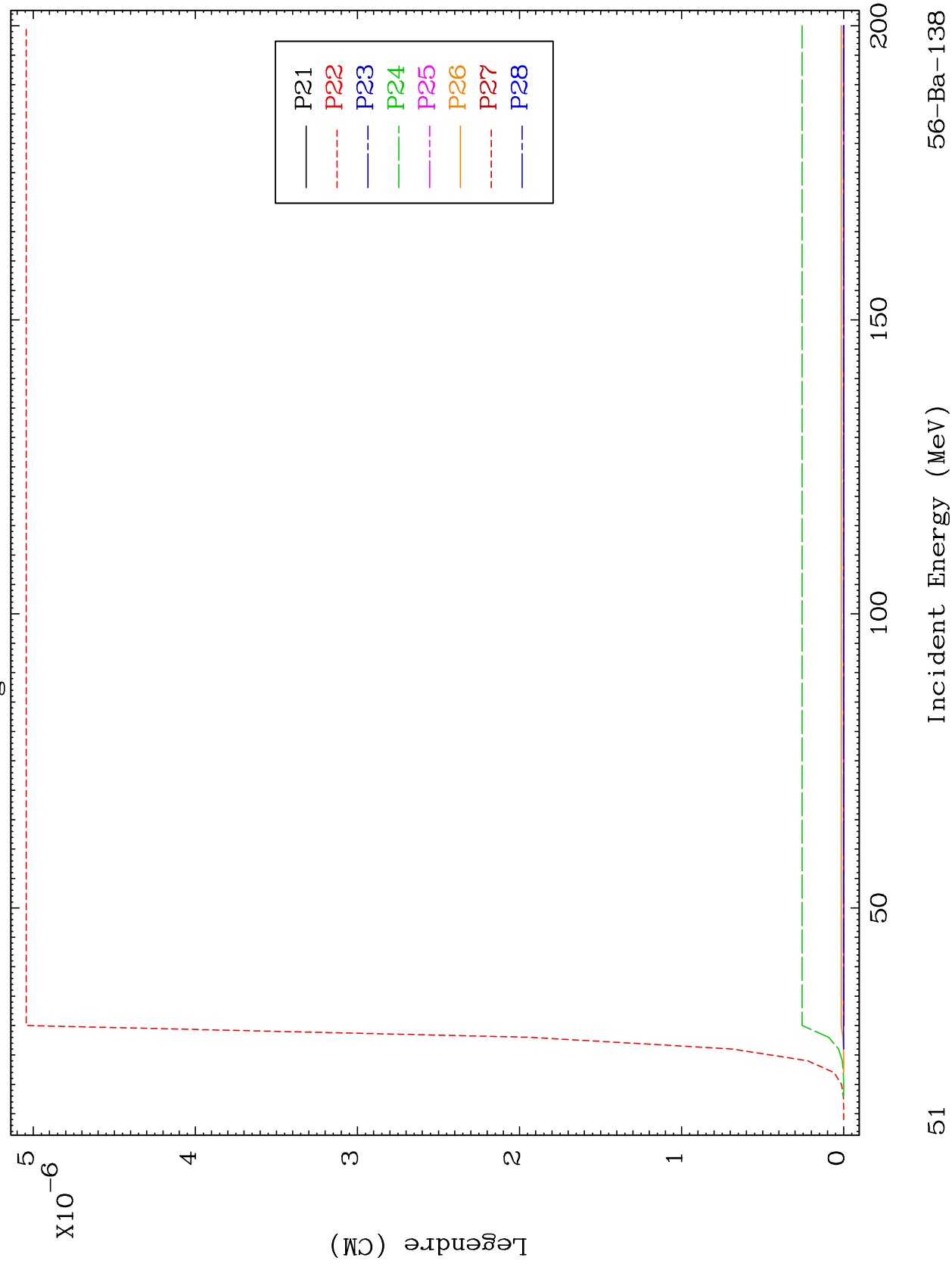


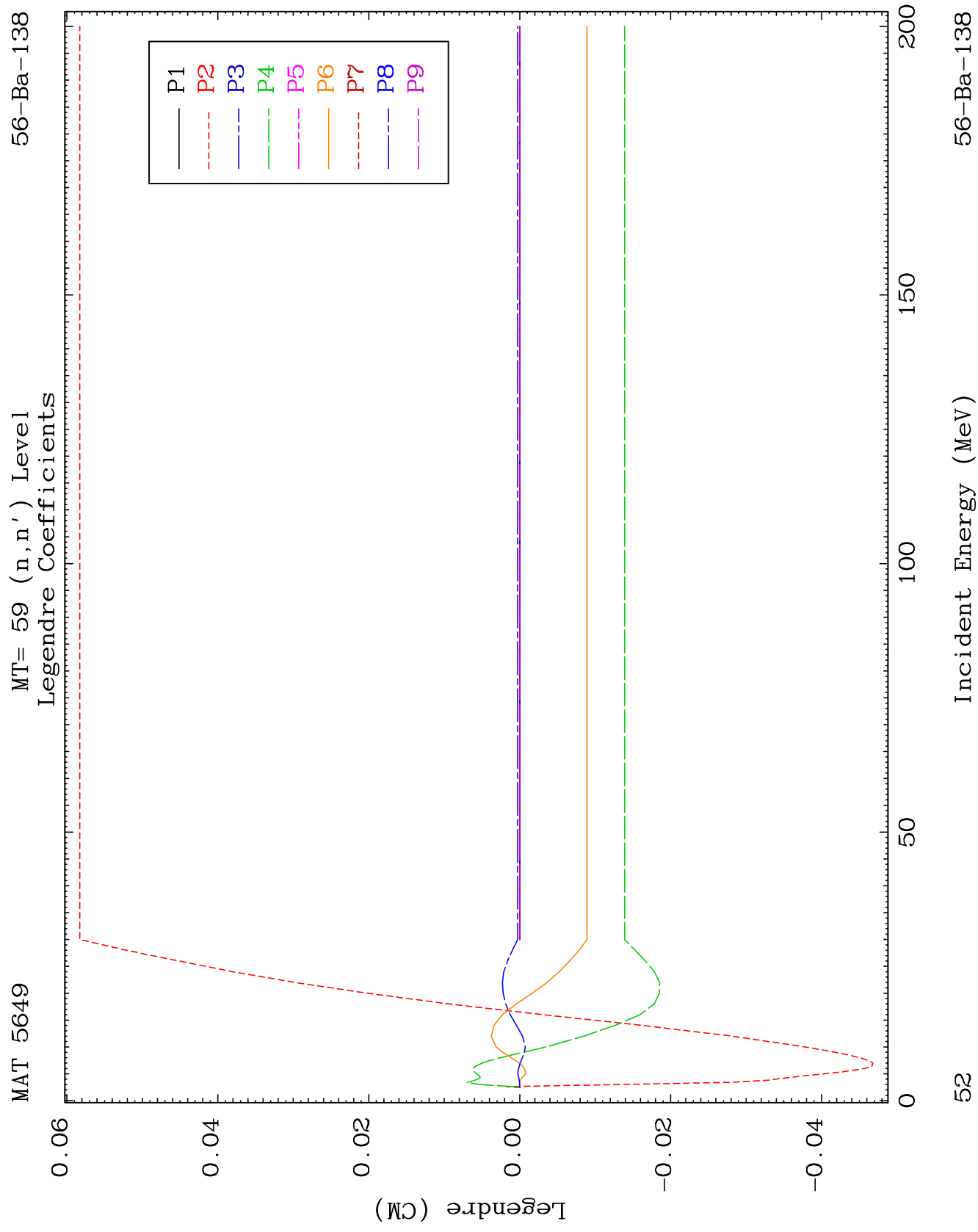


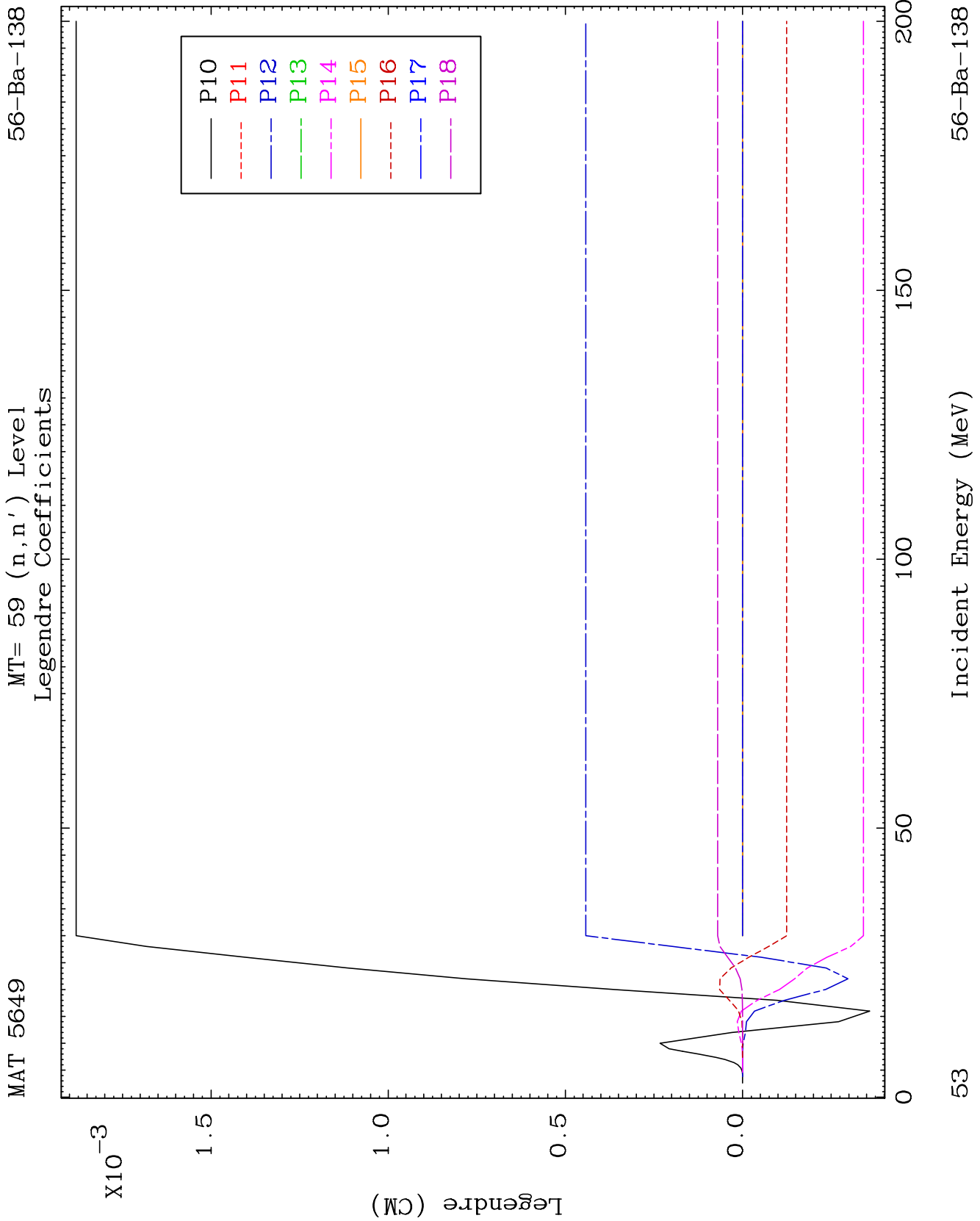
MAT 5649

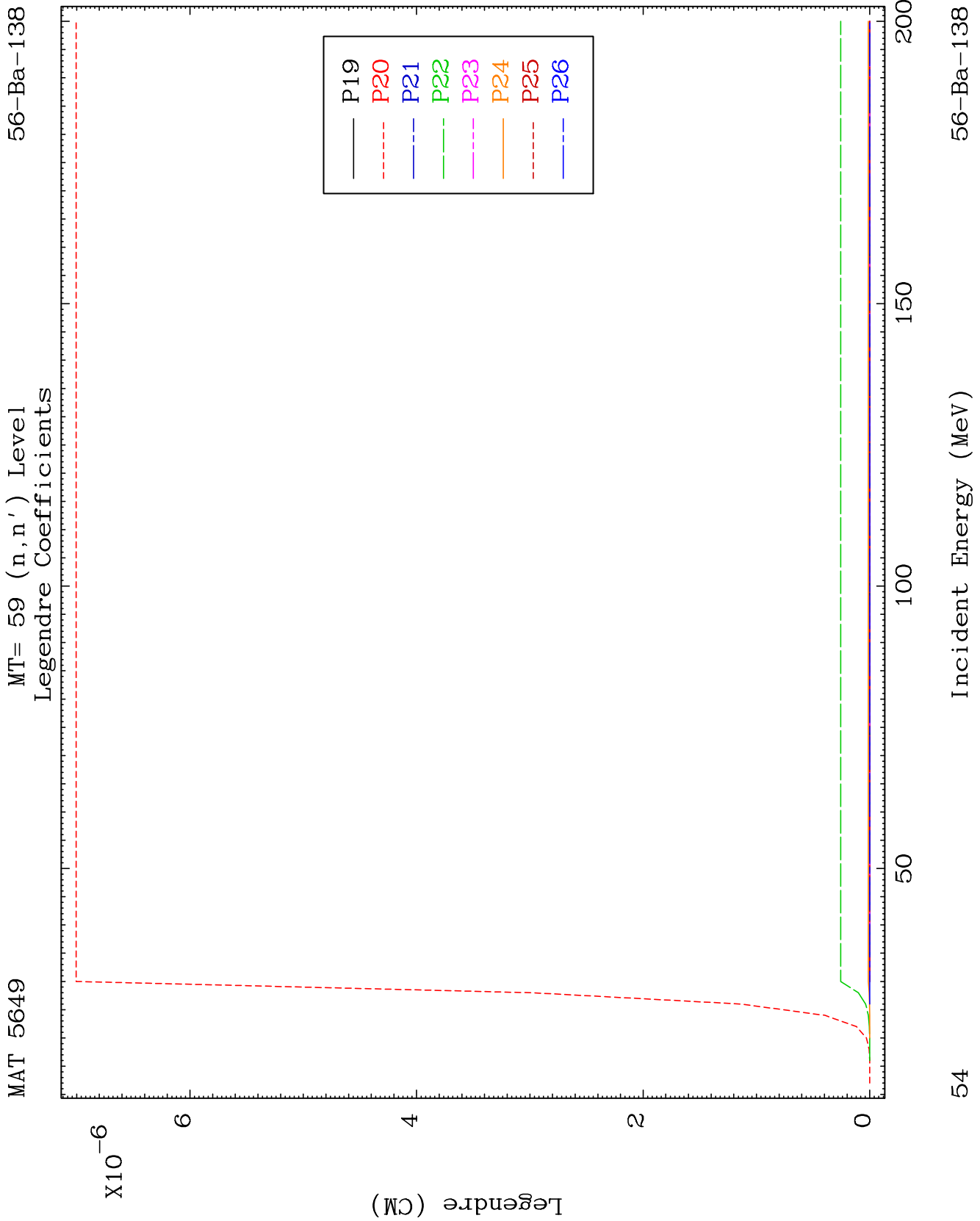
MT= 58 (n, n') Level
Legendre Coefficients

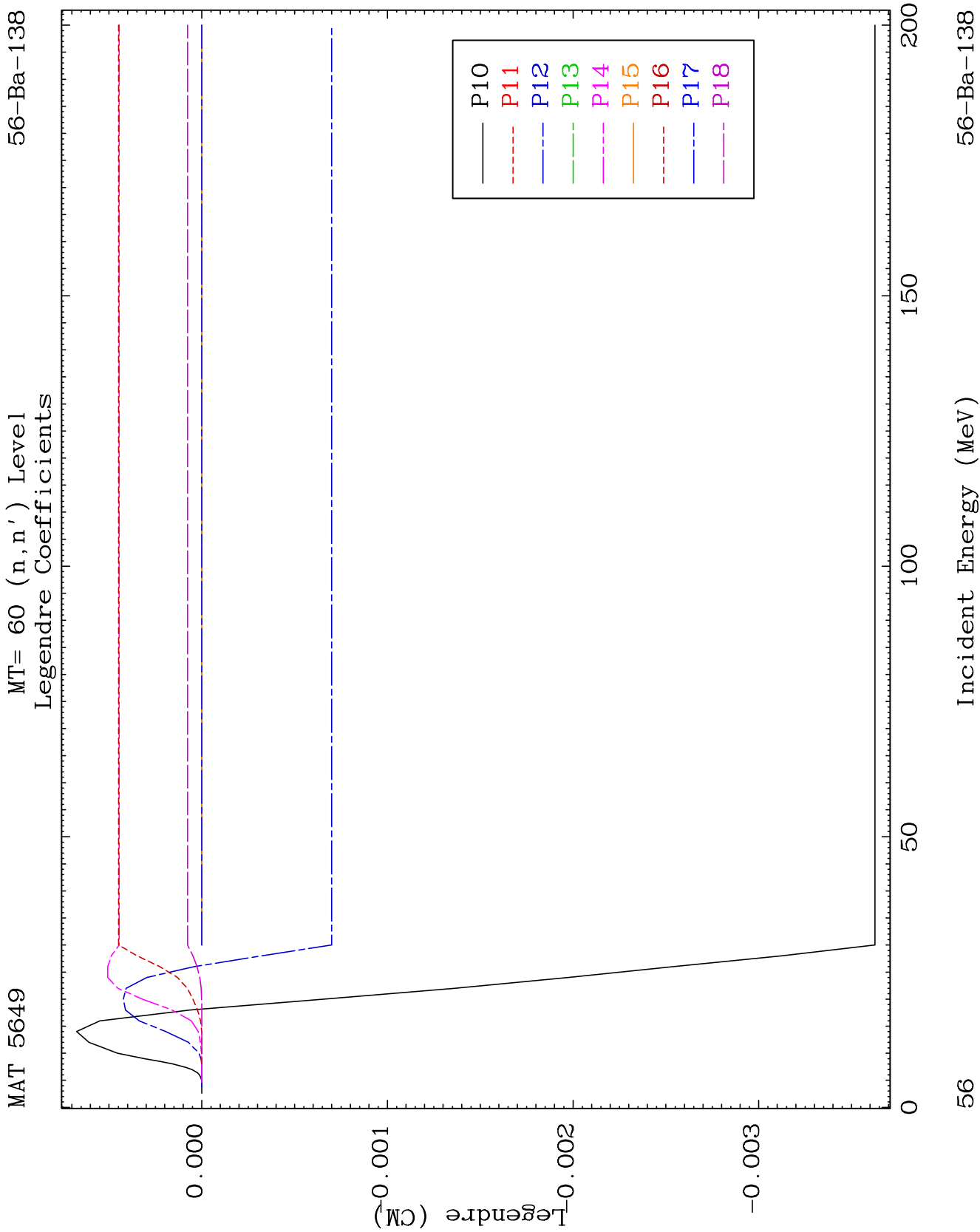
56-Ba-138

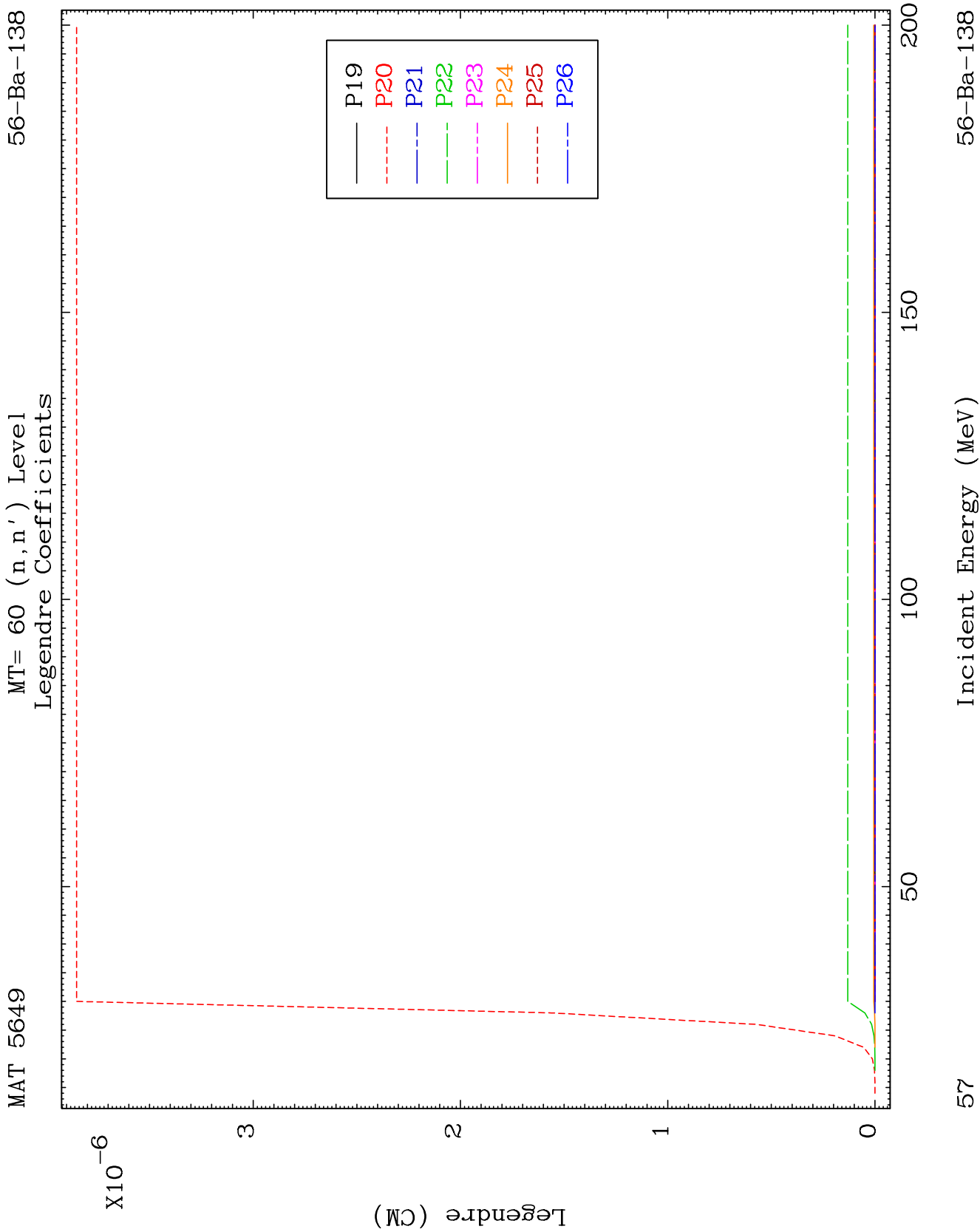


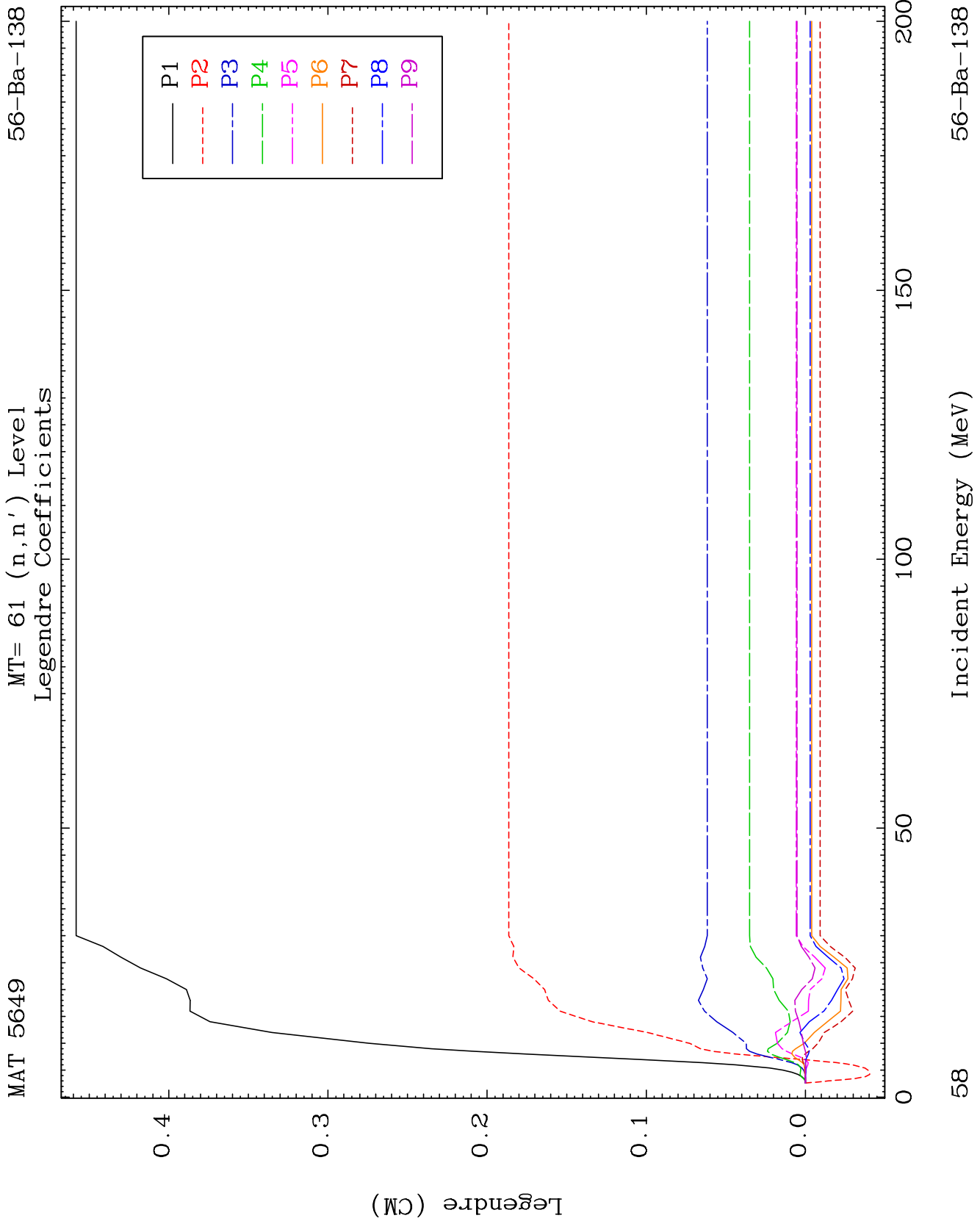


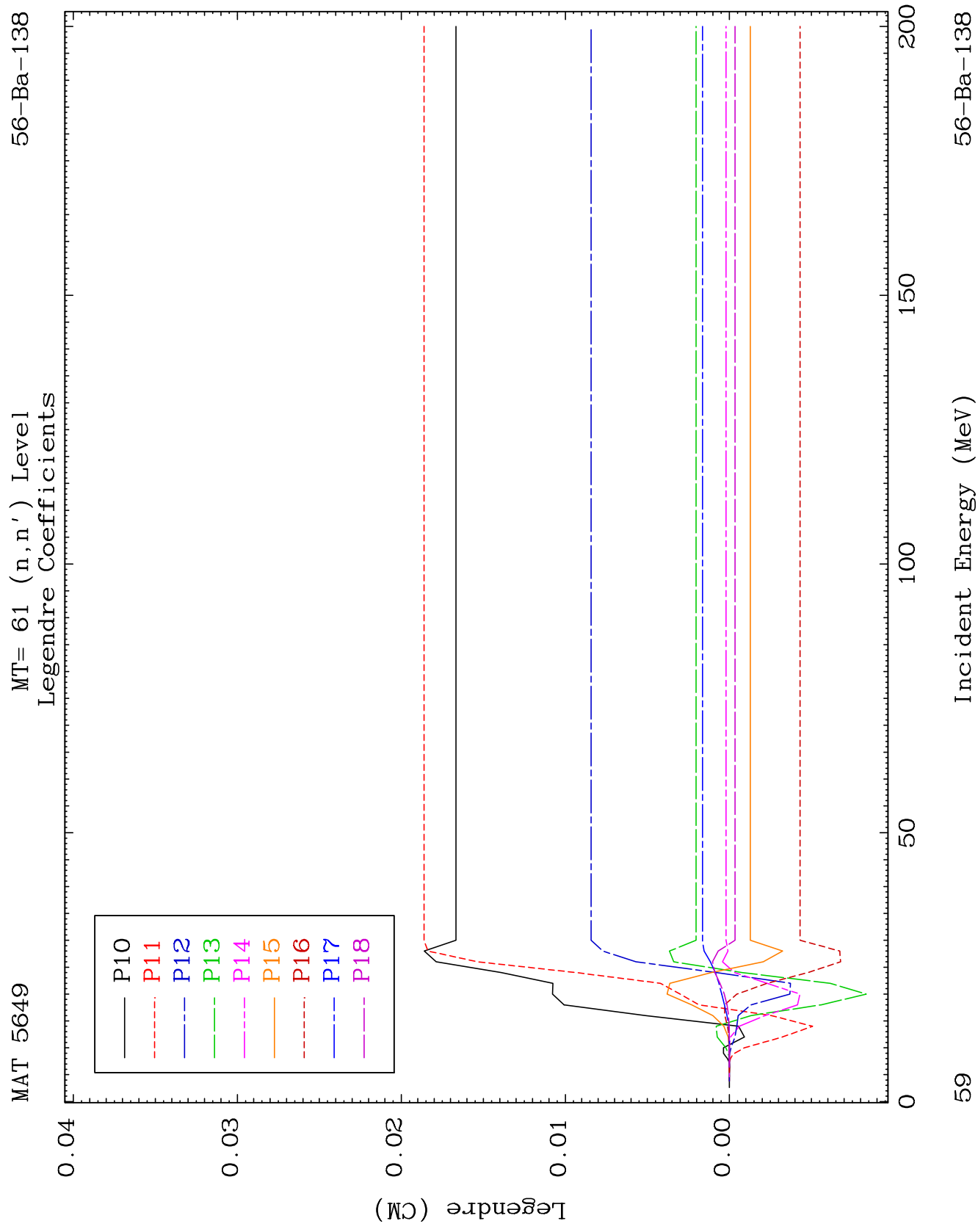


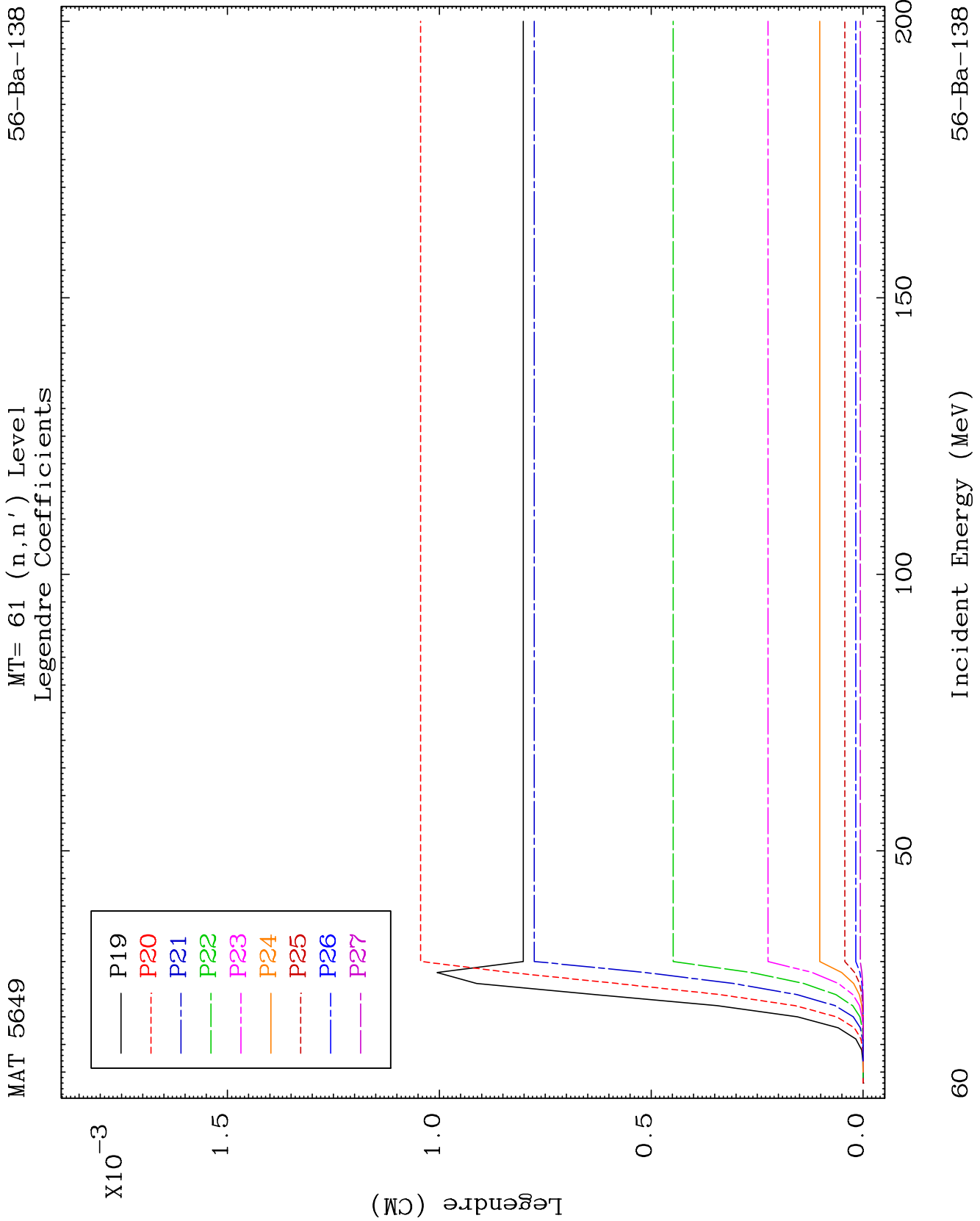


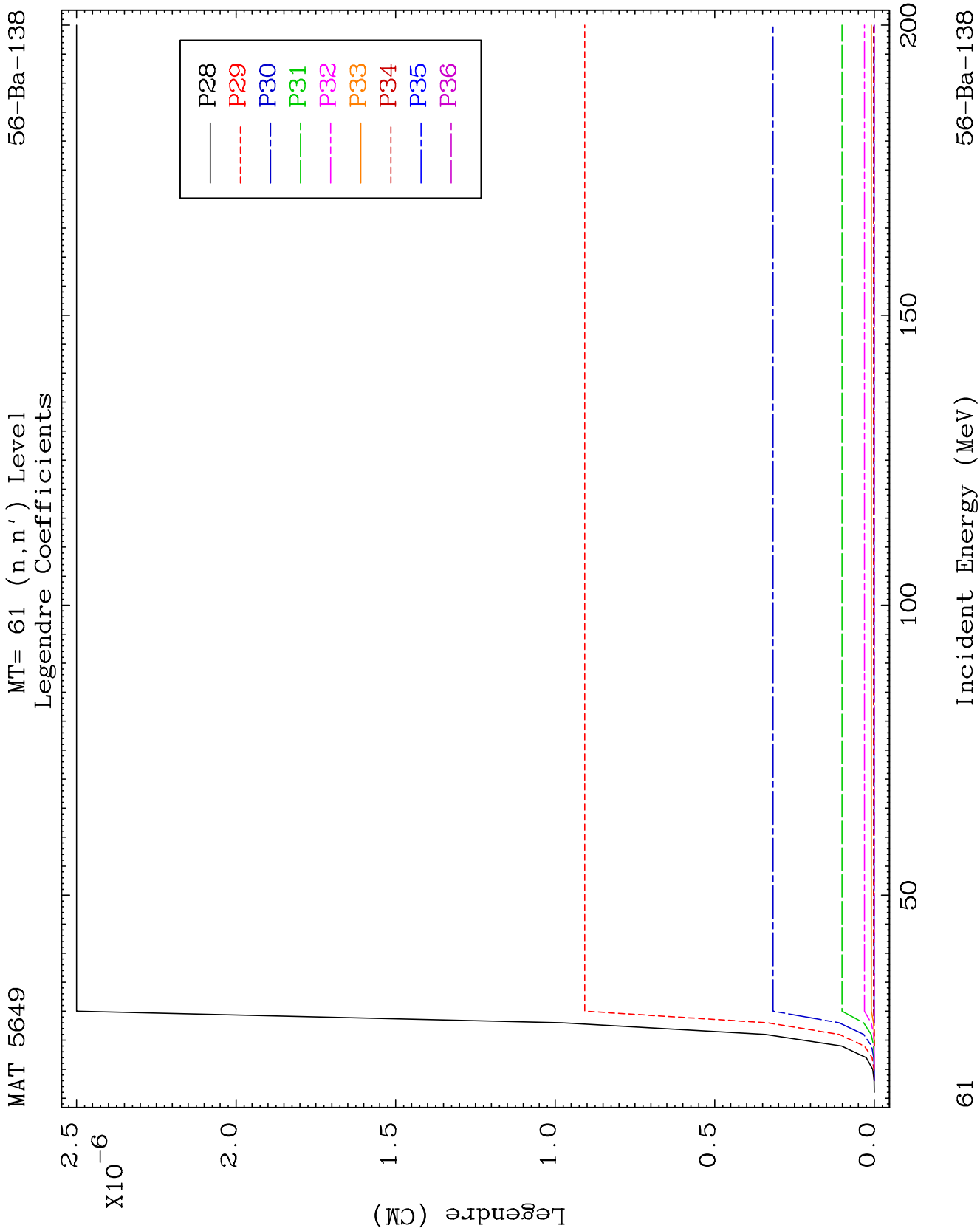


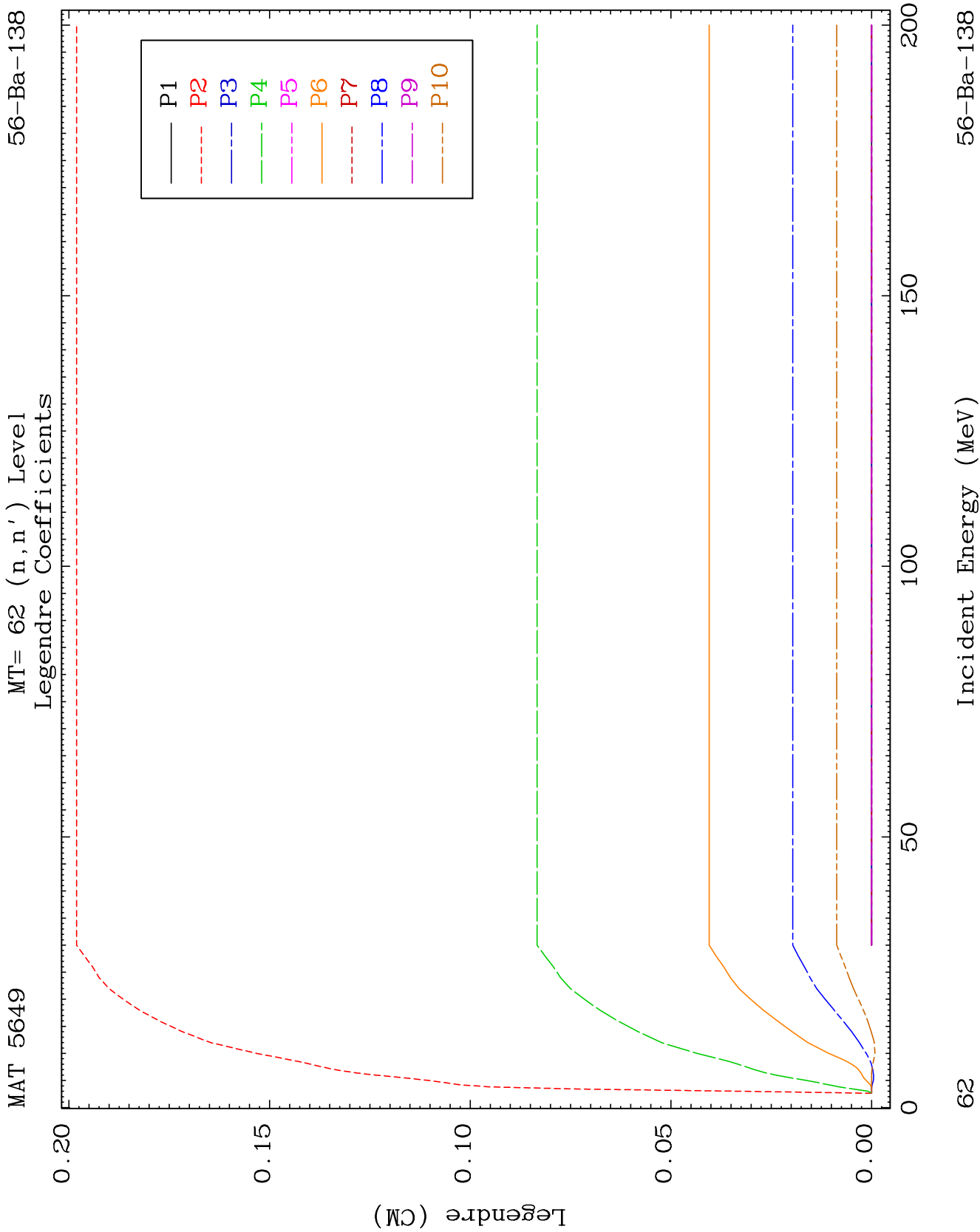


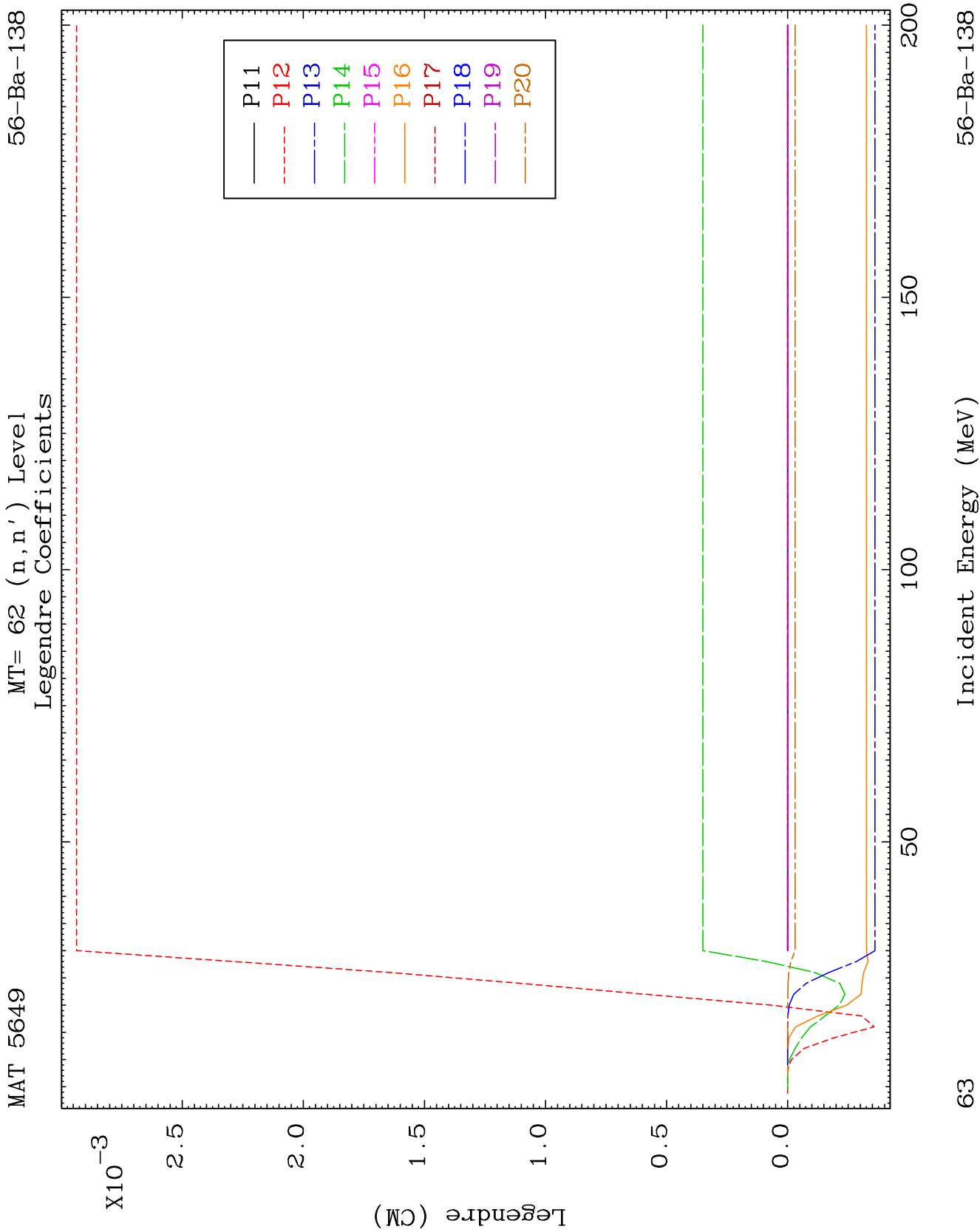


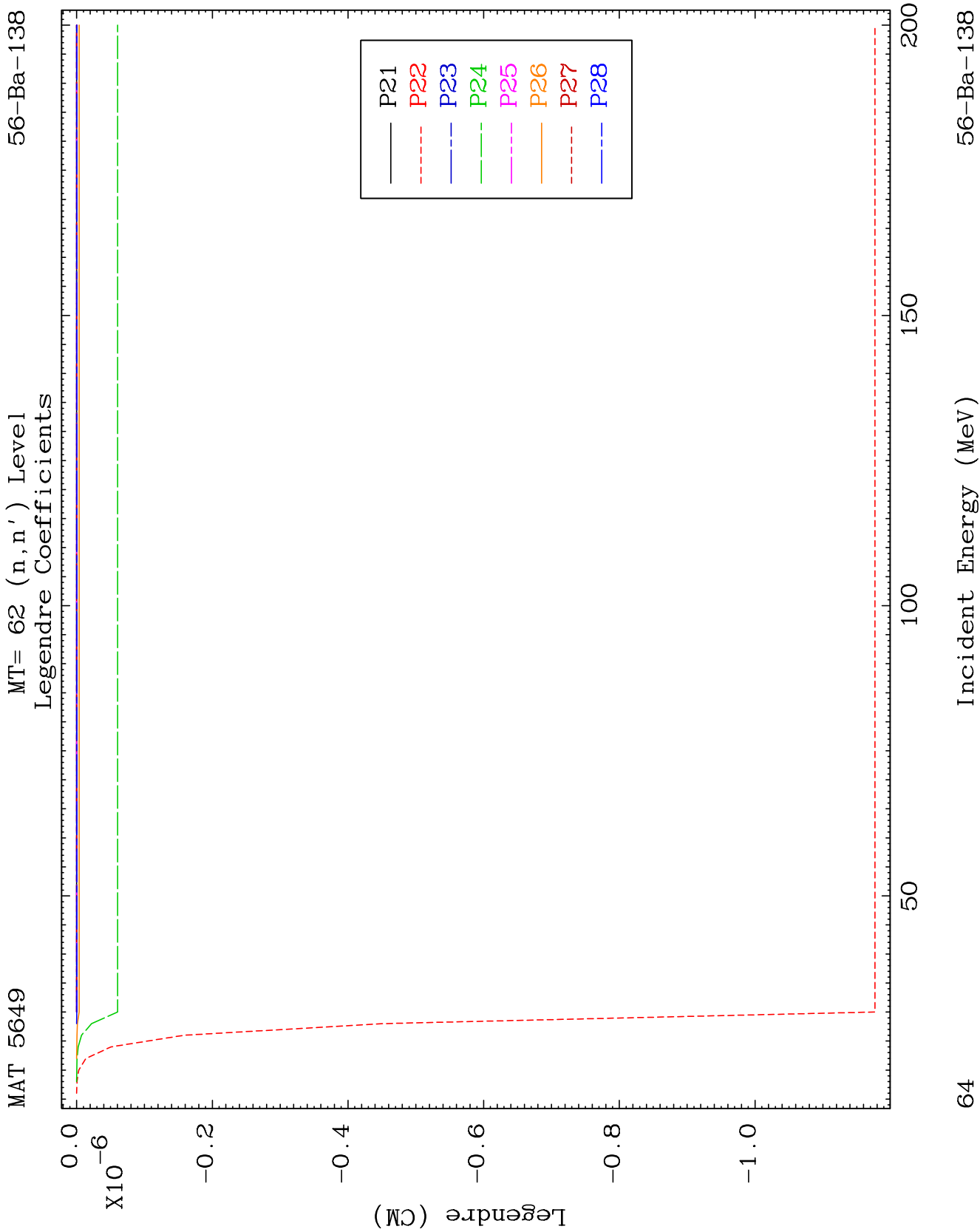








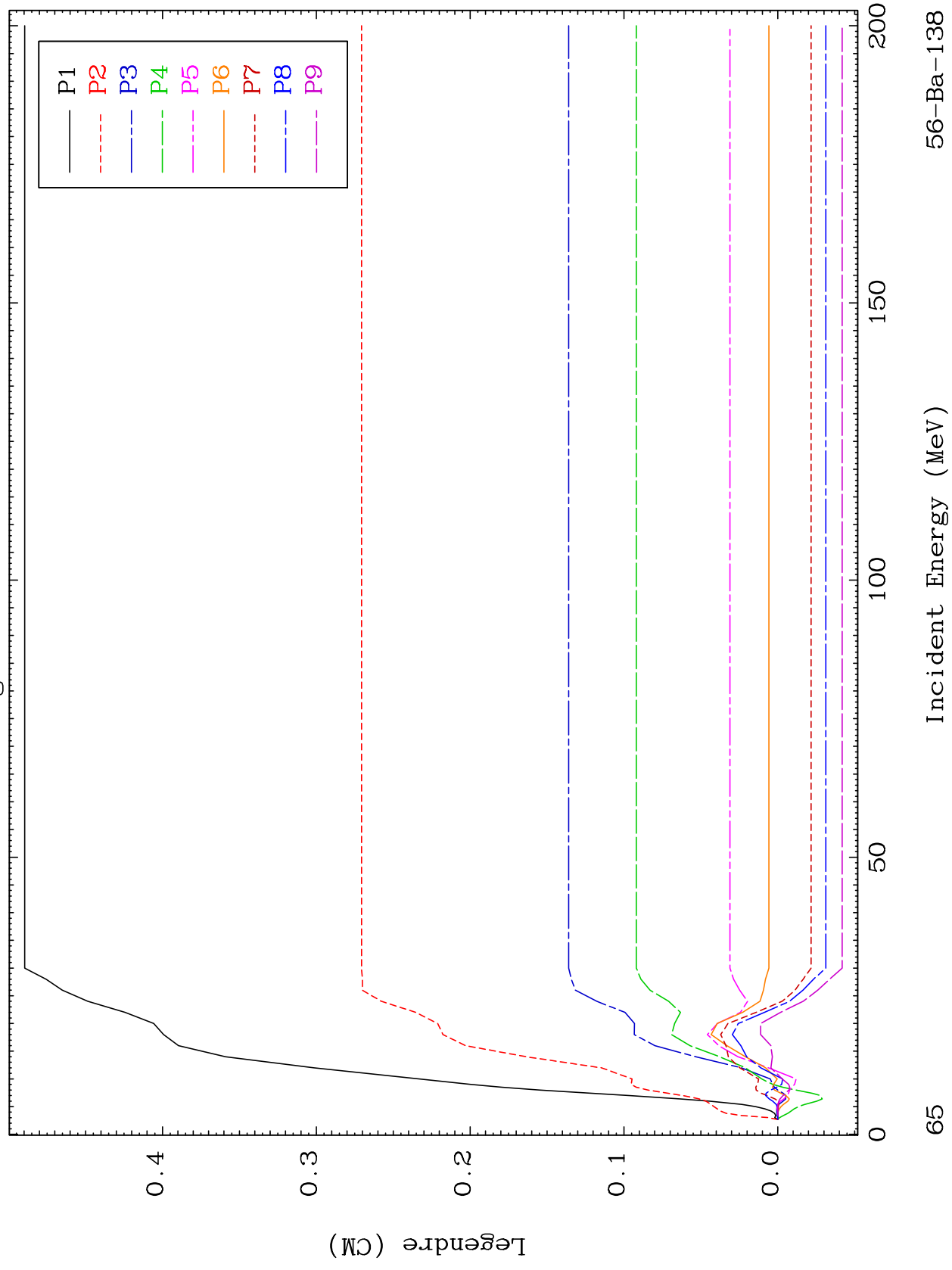




MAT 5649

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

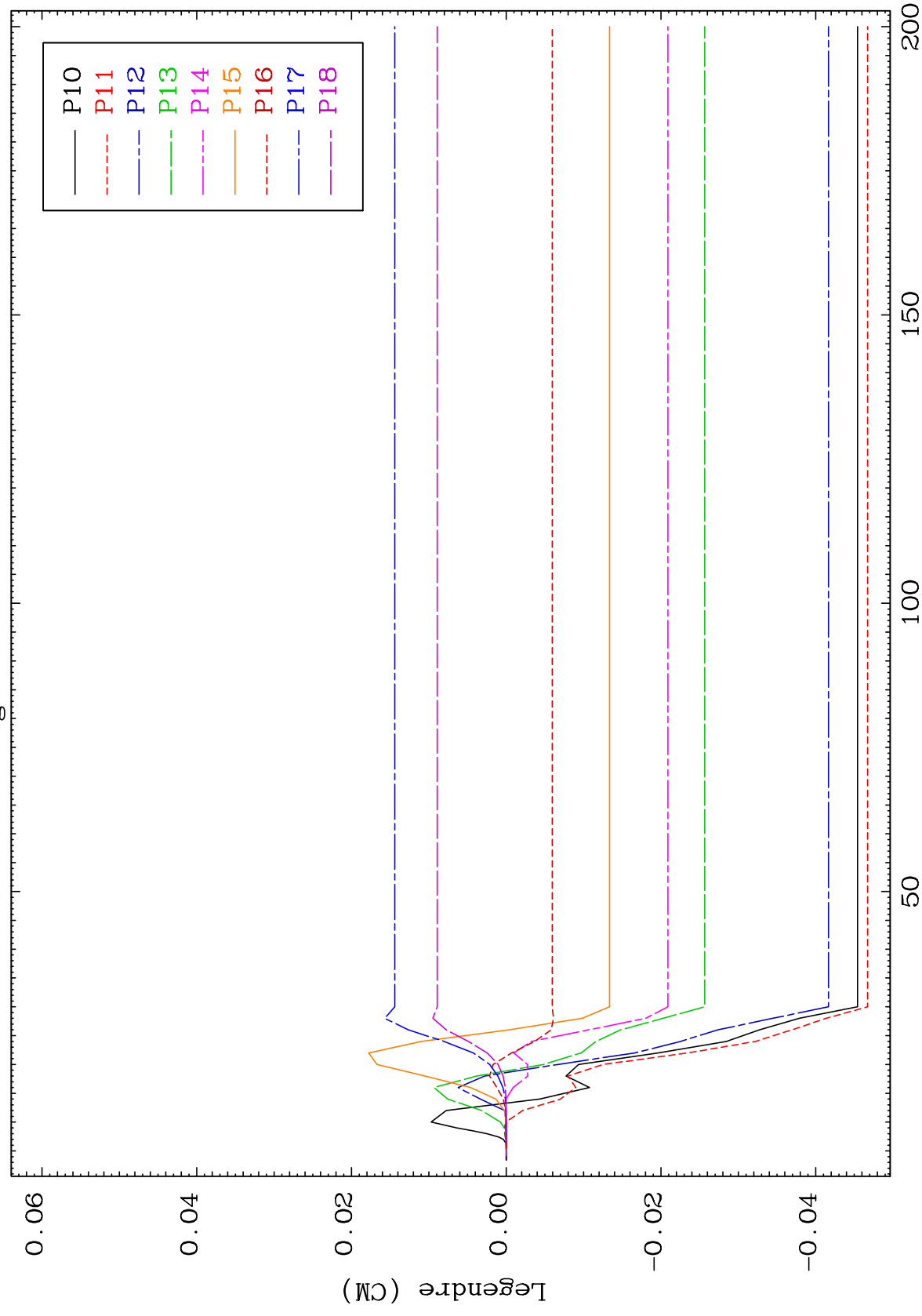
56-Ba-138



MAT 5649

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

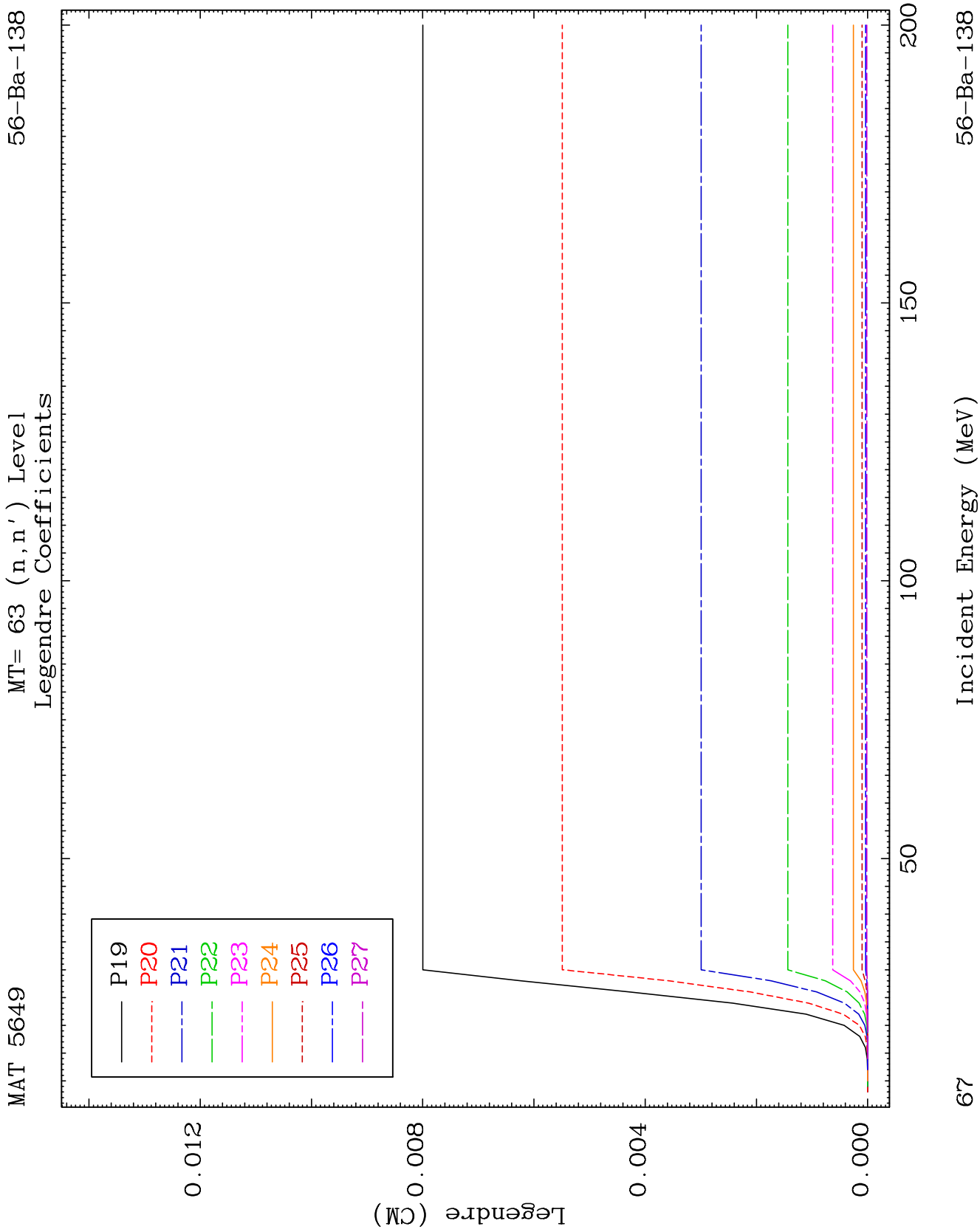
56-Ba-138

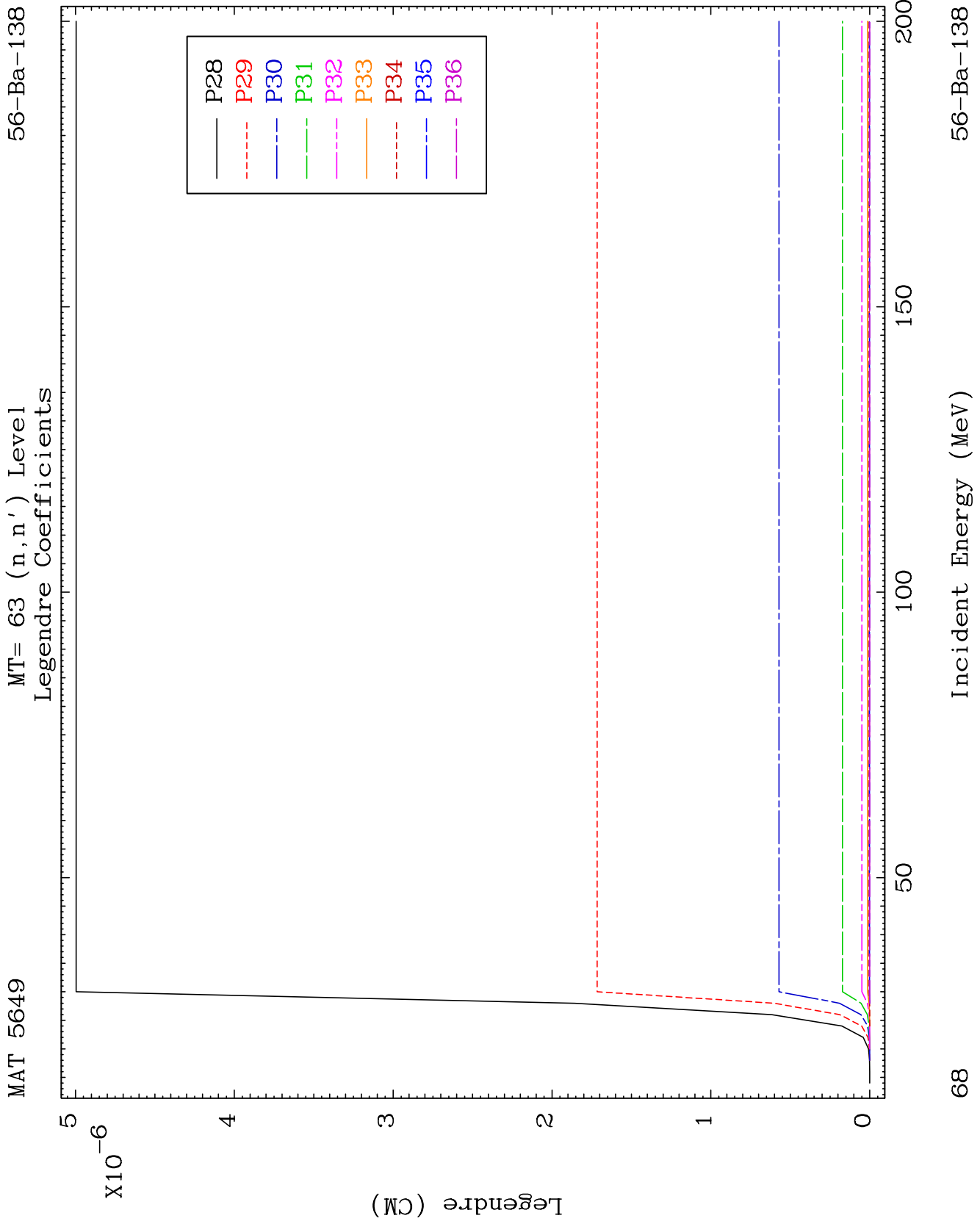


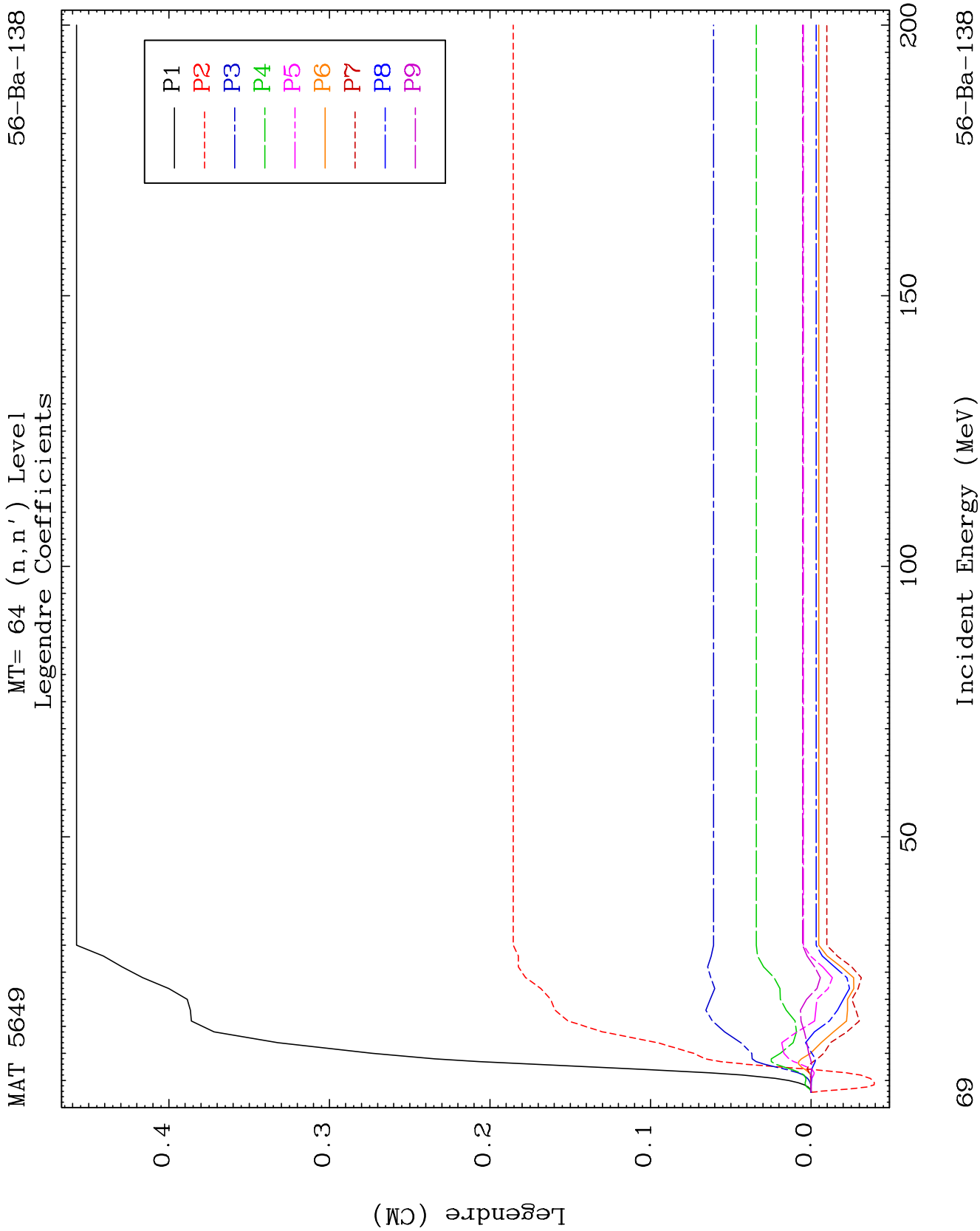
66

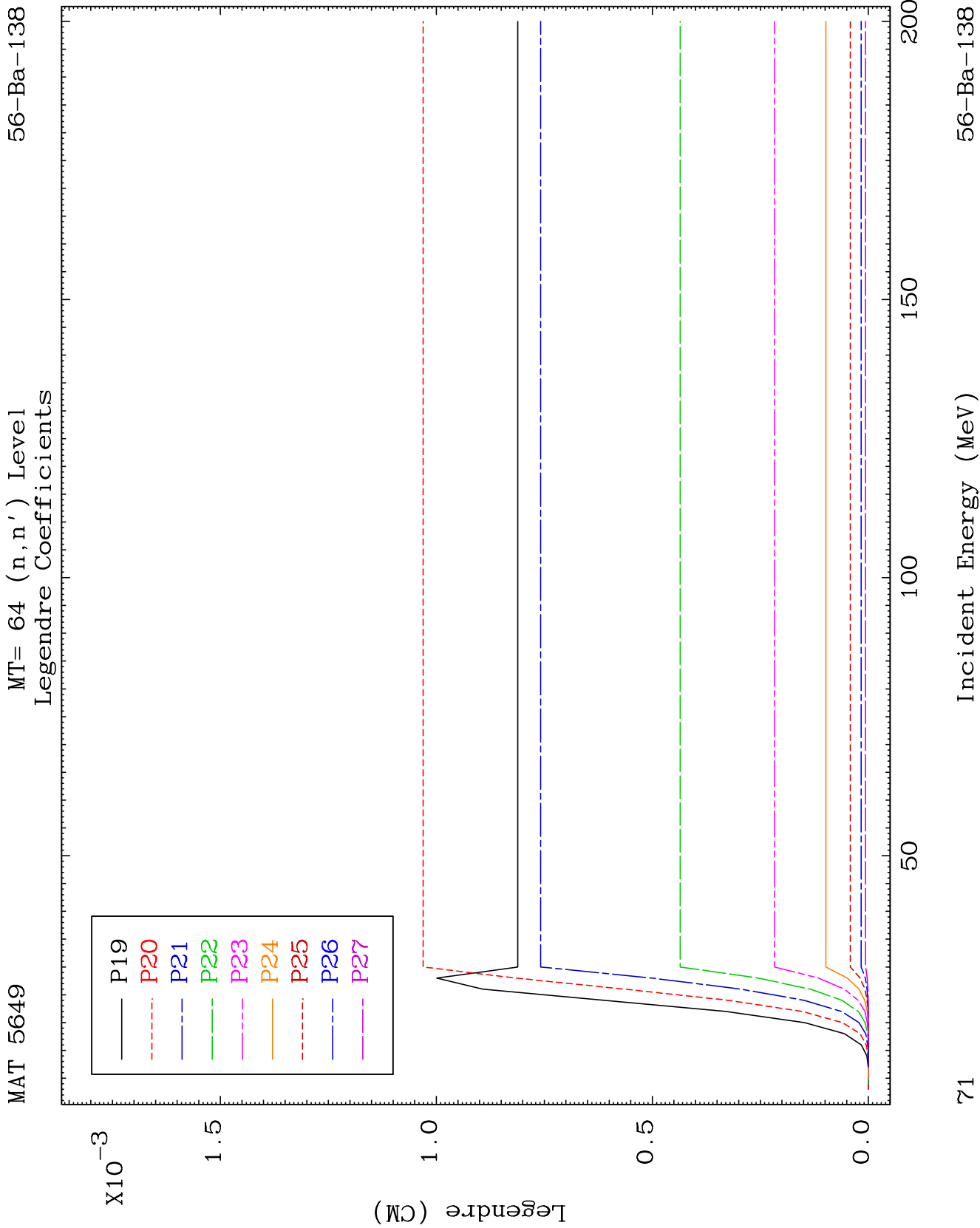
Incident Energy (MeV)

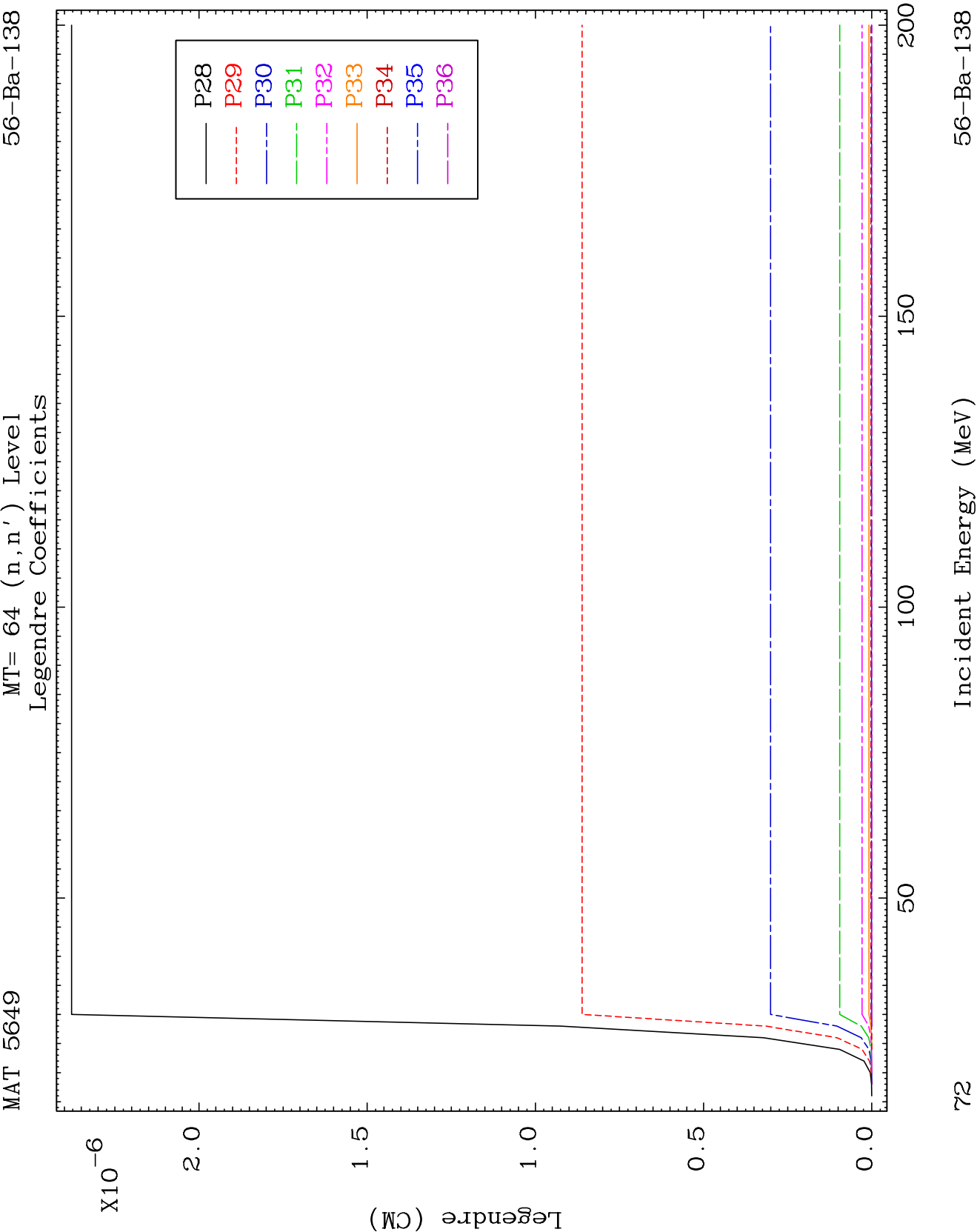
56-Ba-138

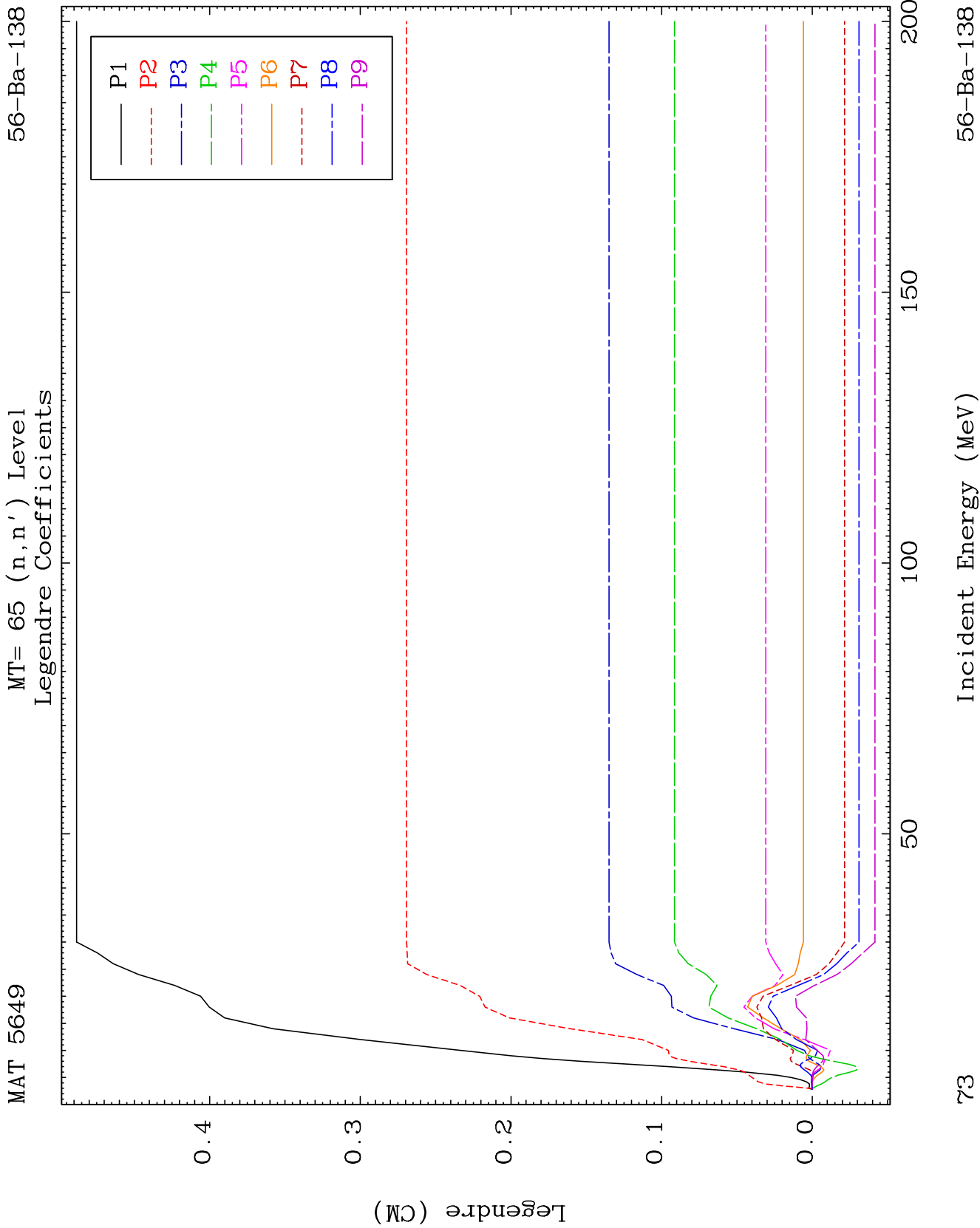


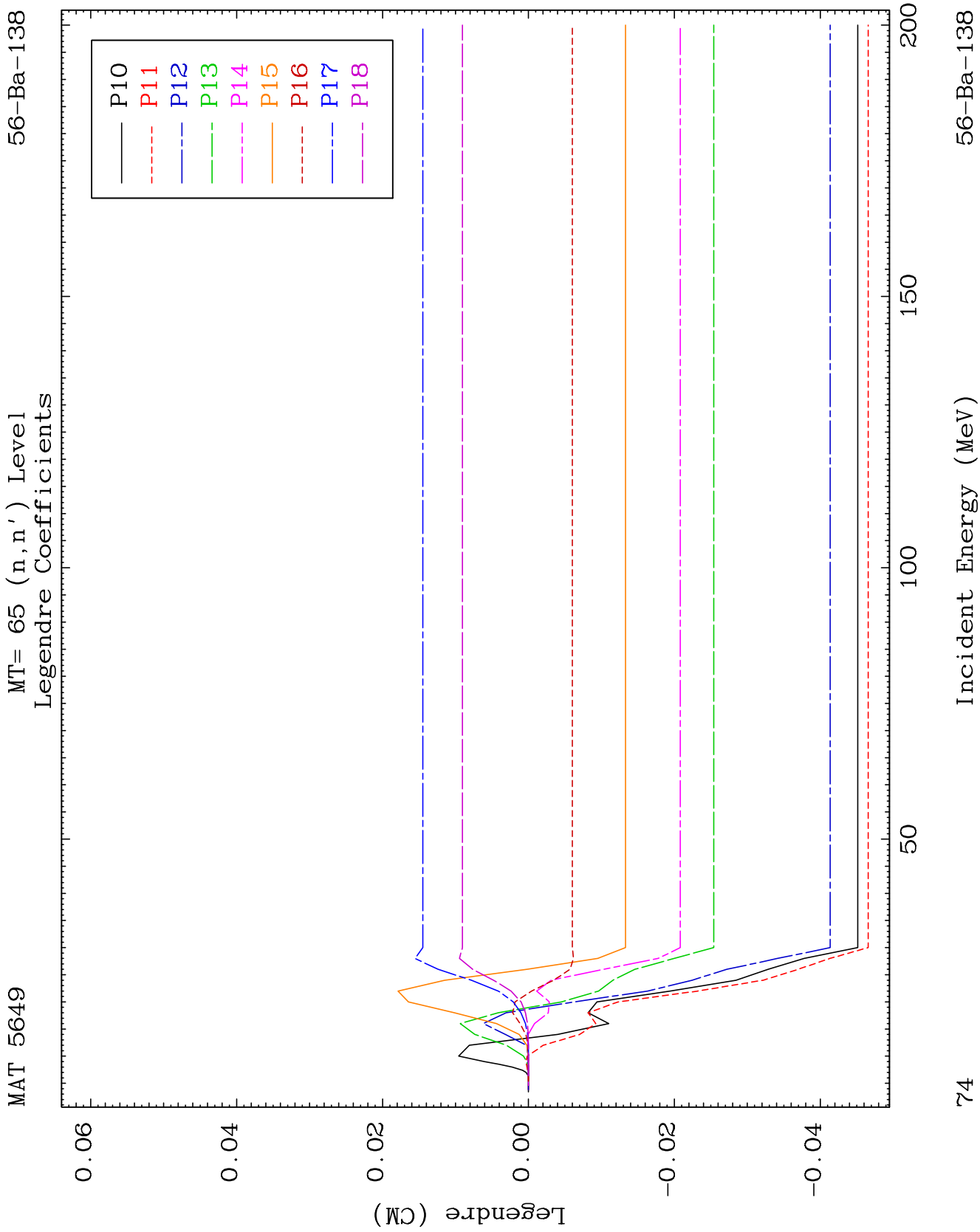


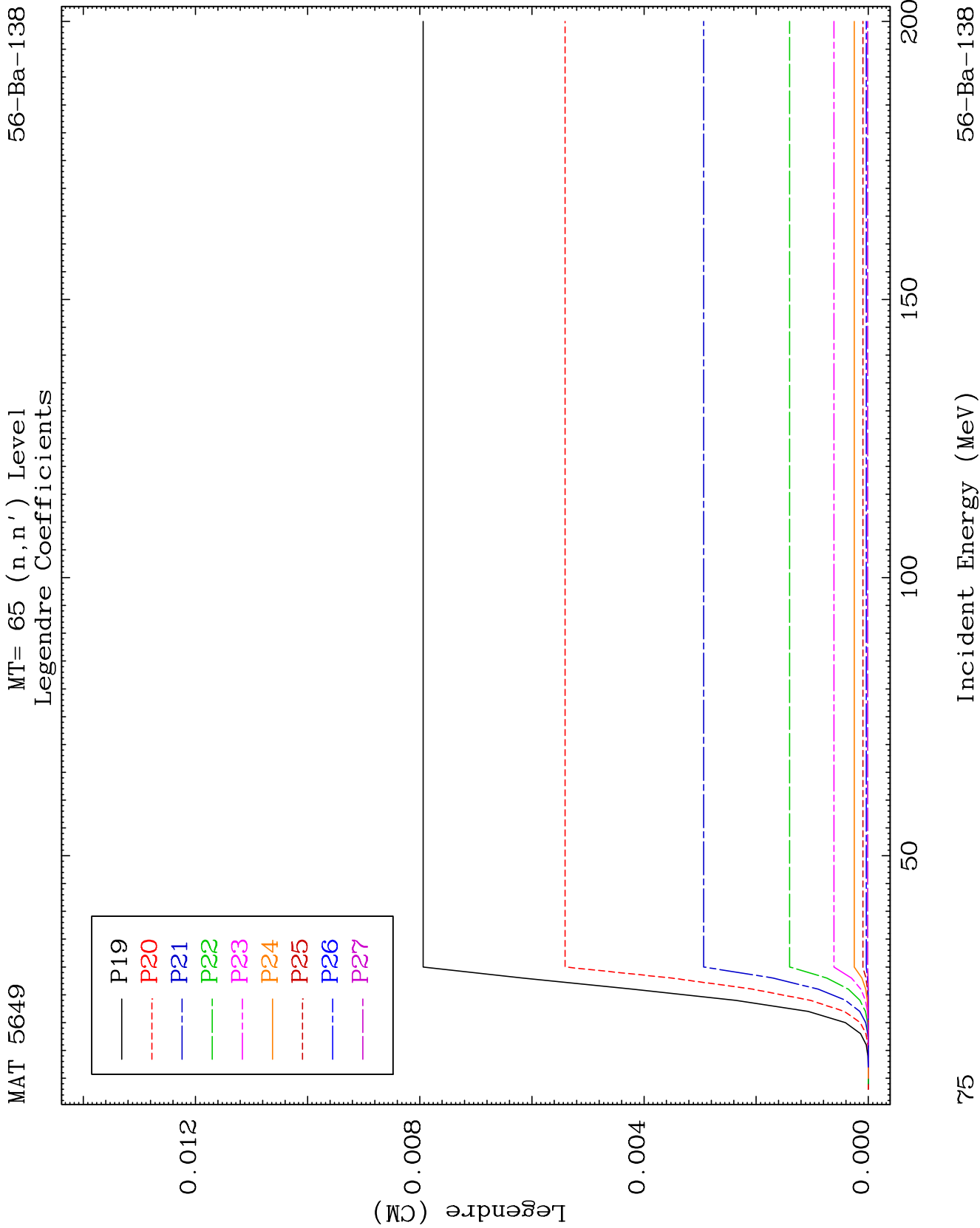


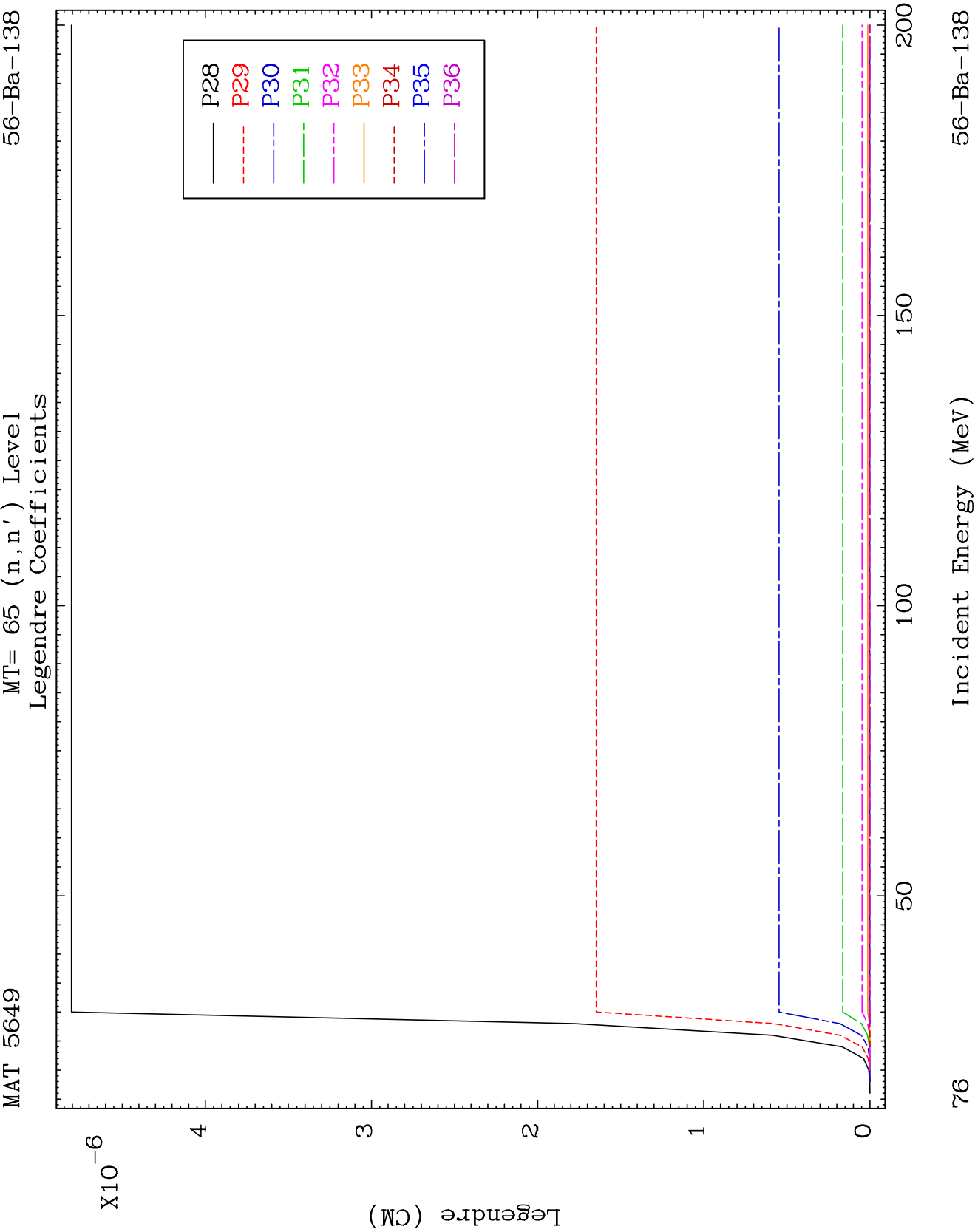


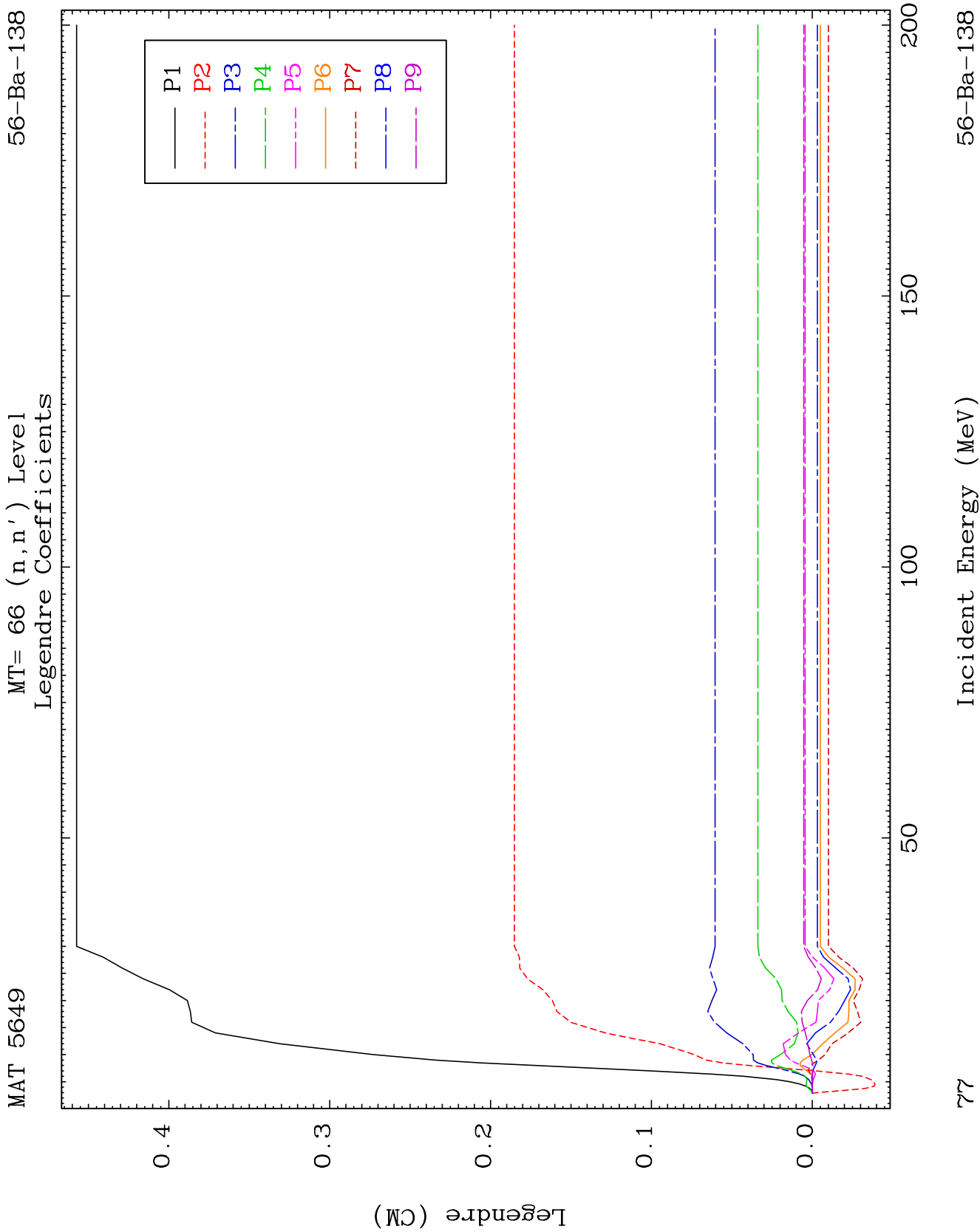


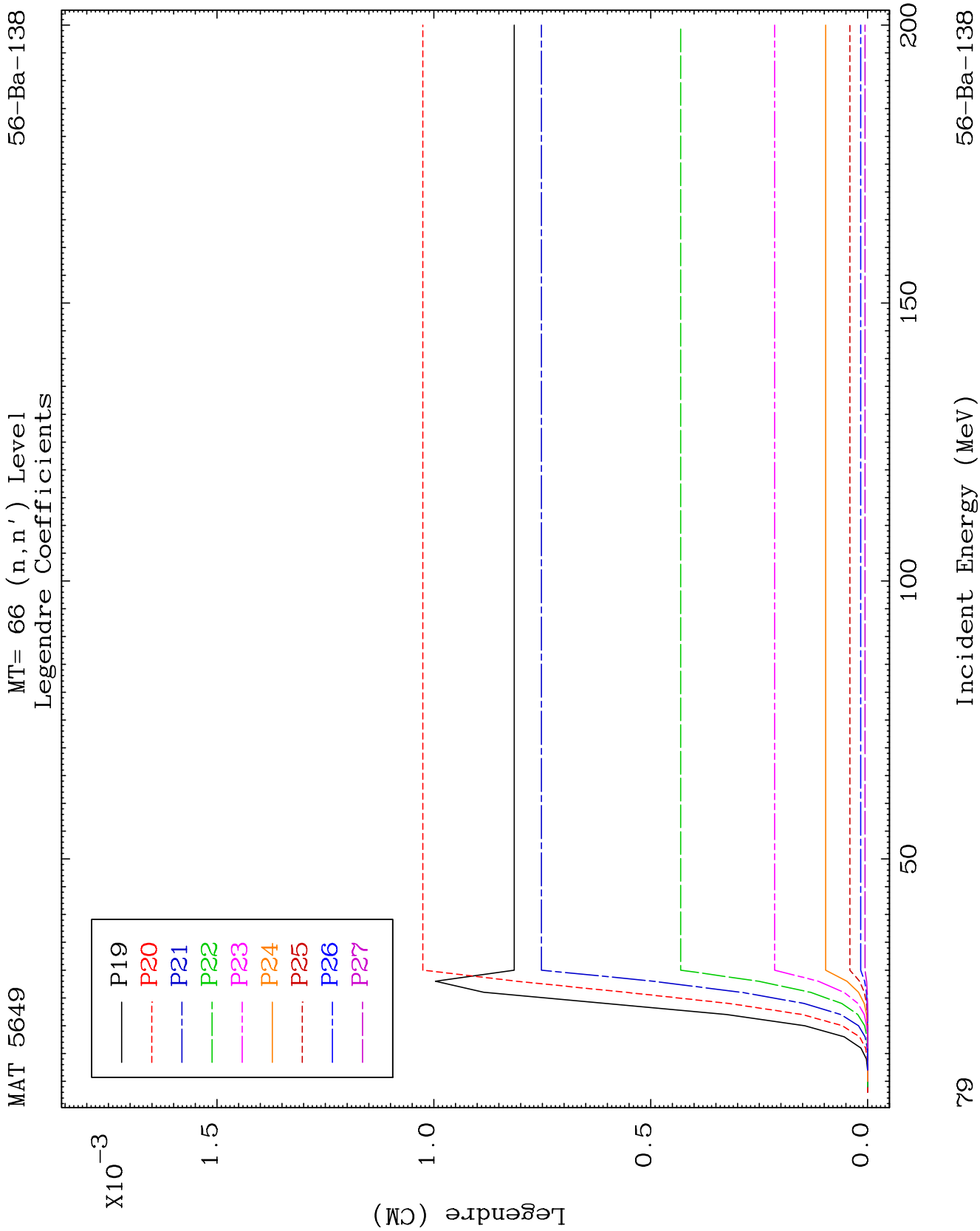


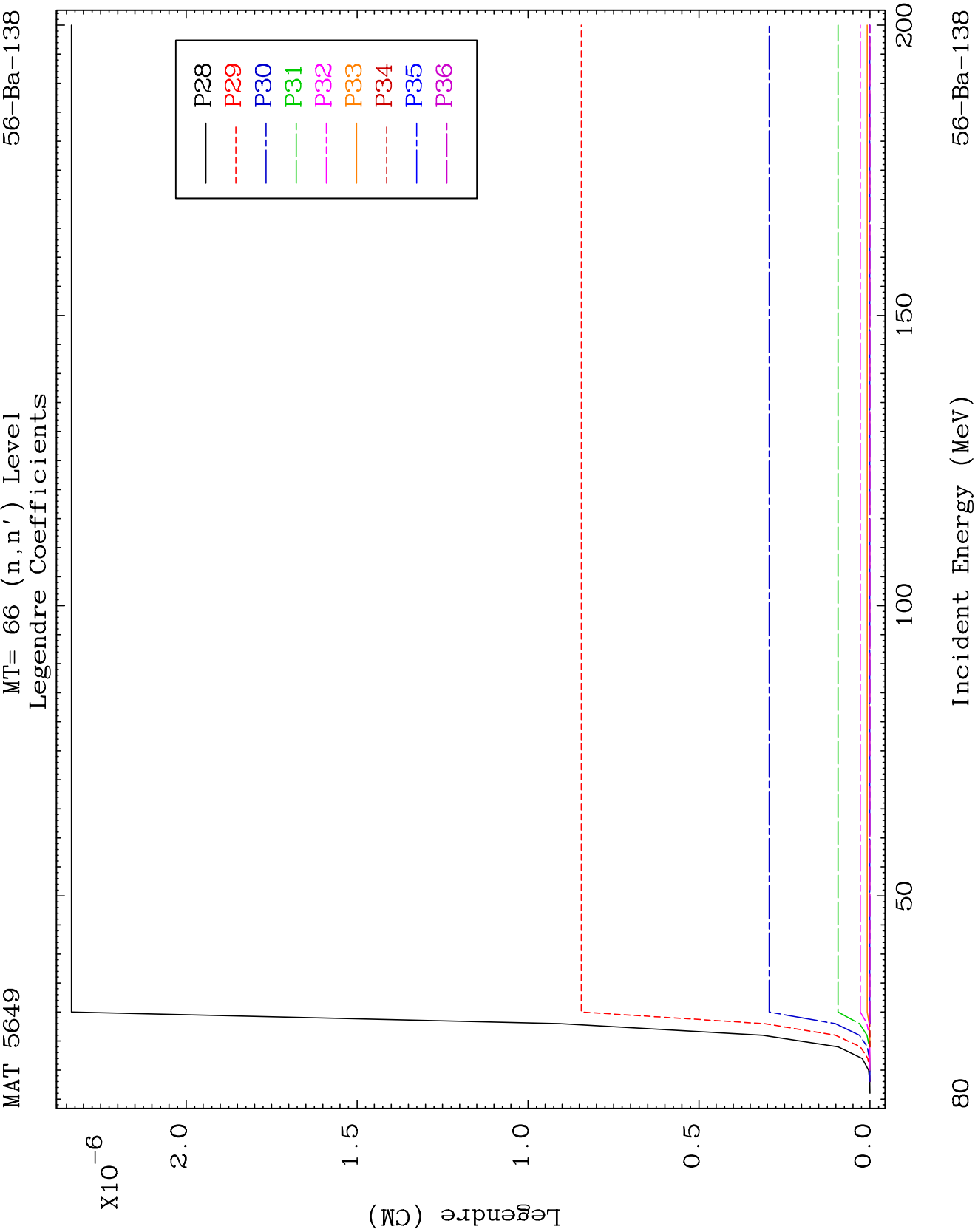


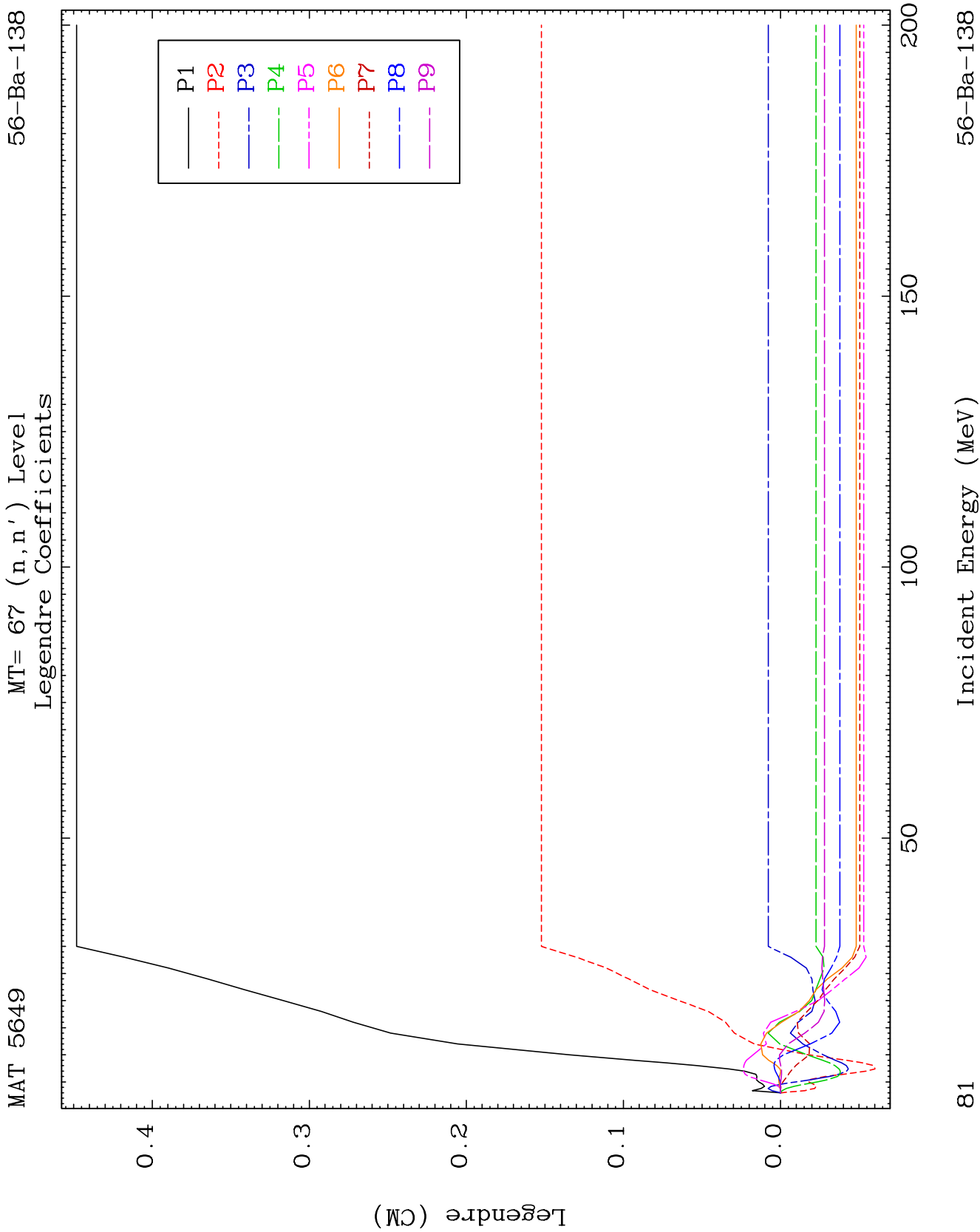








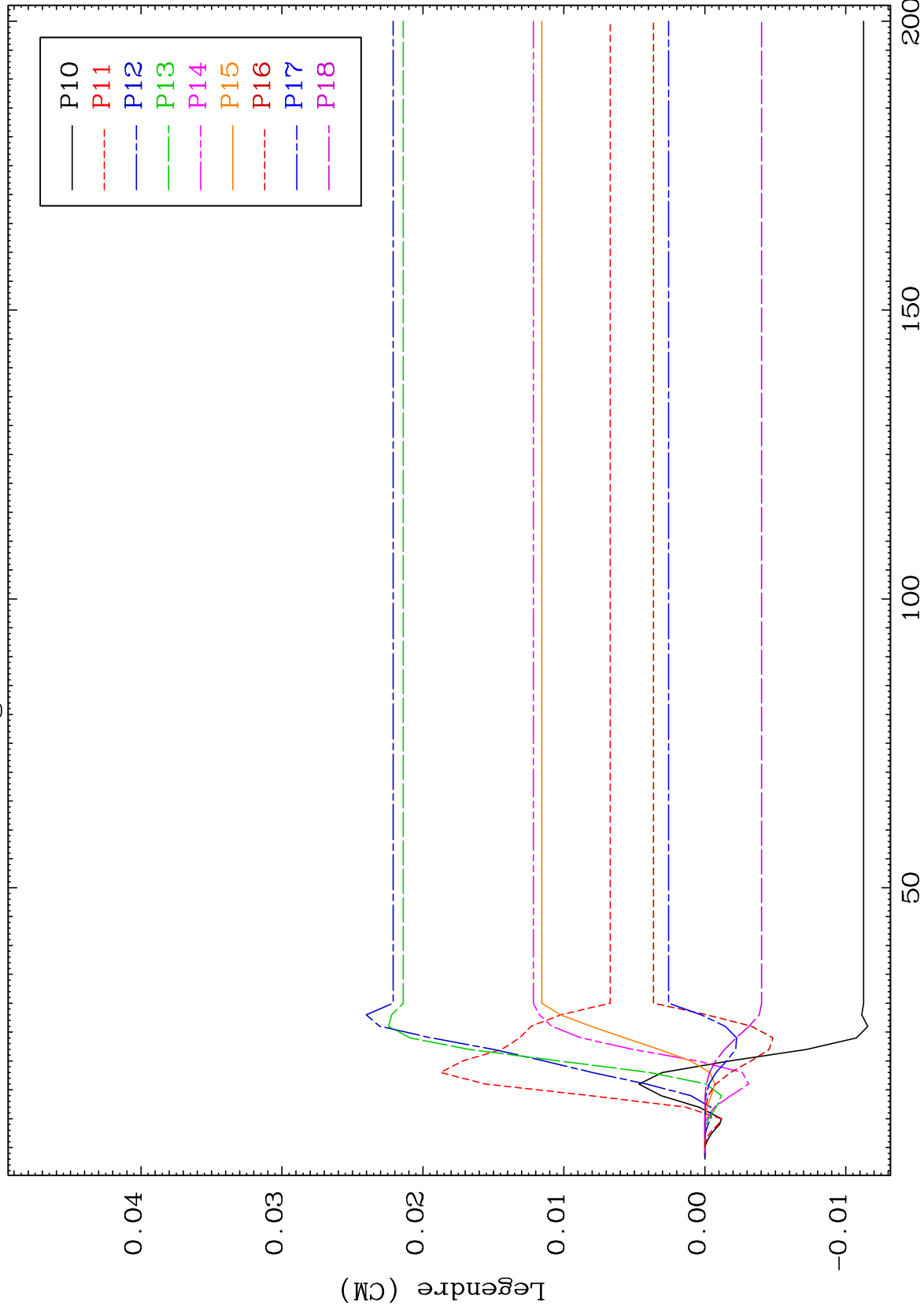




MAT 5649

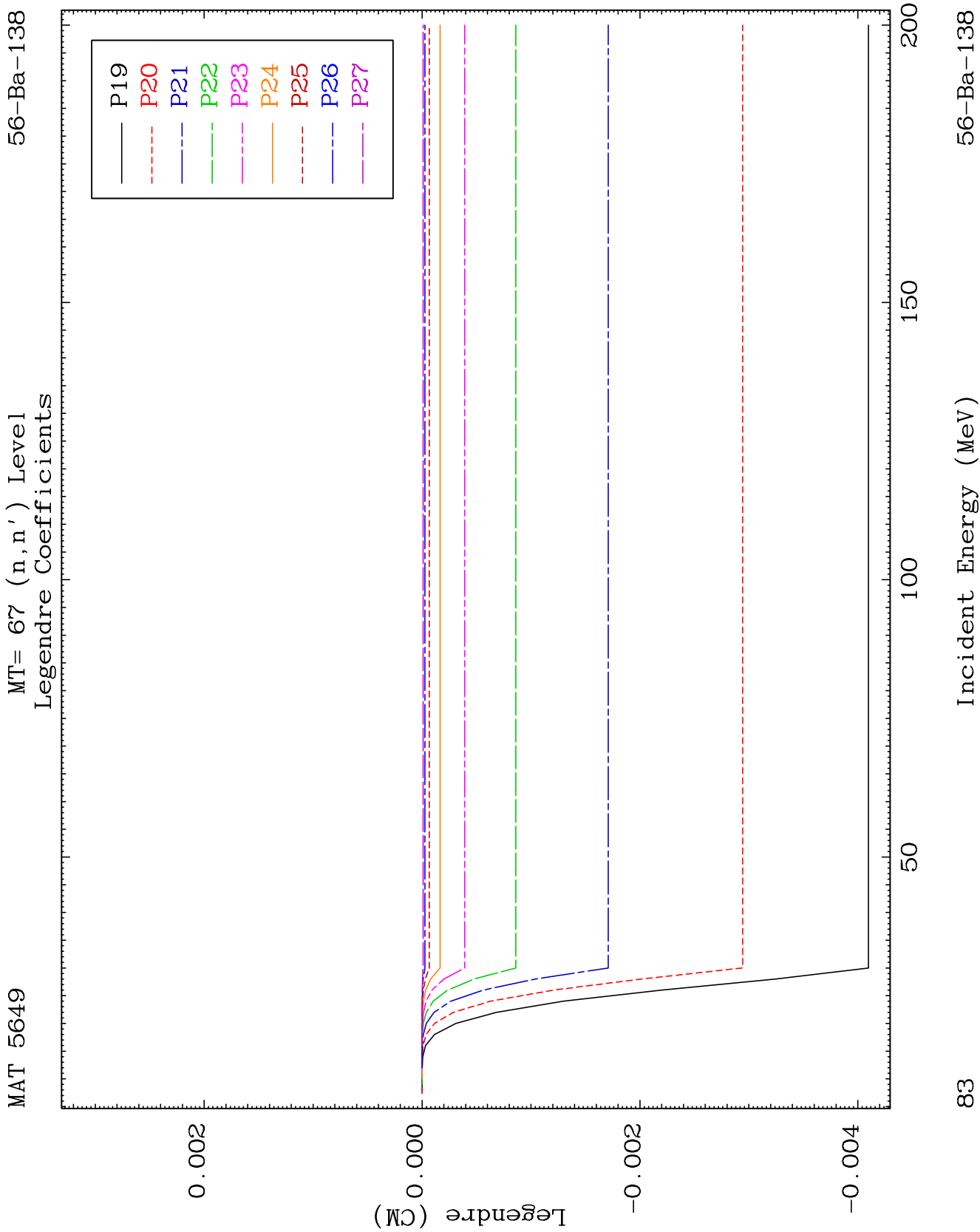
MT= 67 (n,n') Level
Legendre Coefficients

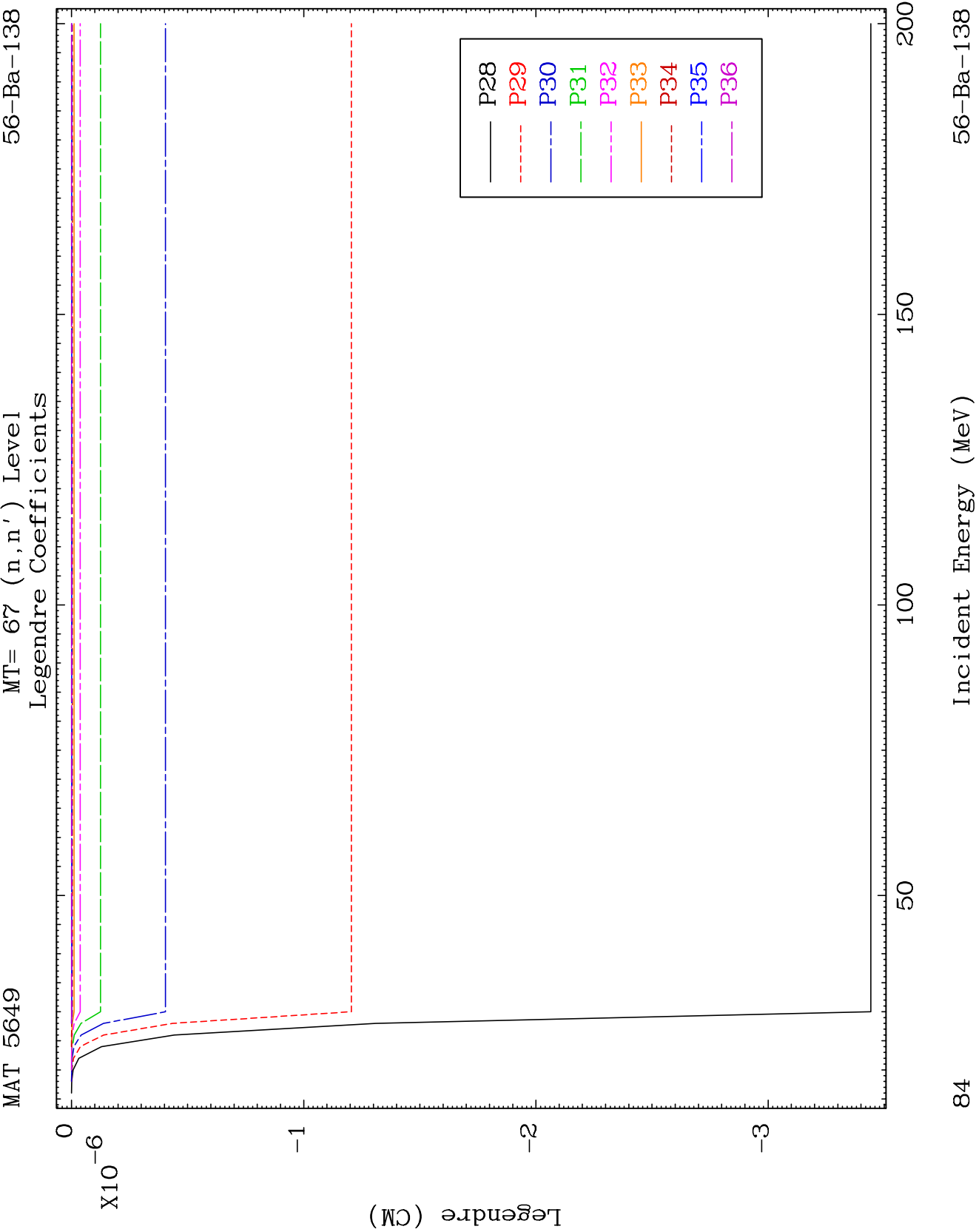
56-Ba-138

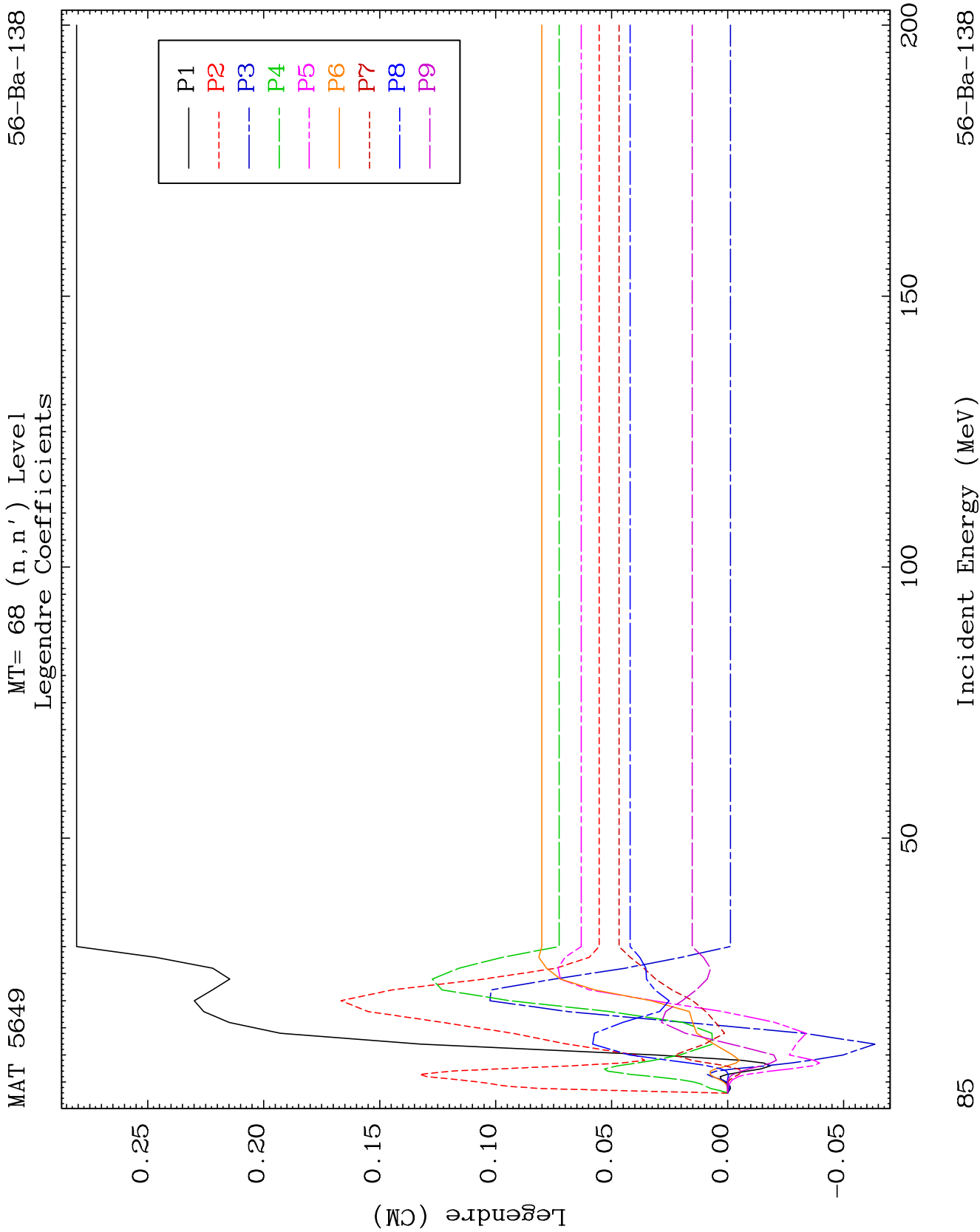


82

56-Ba-138



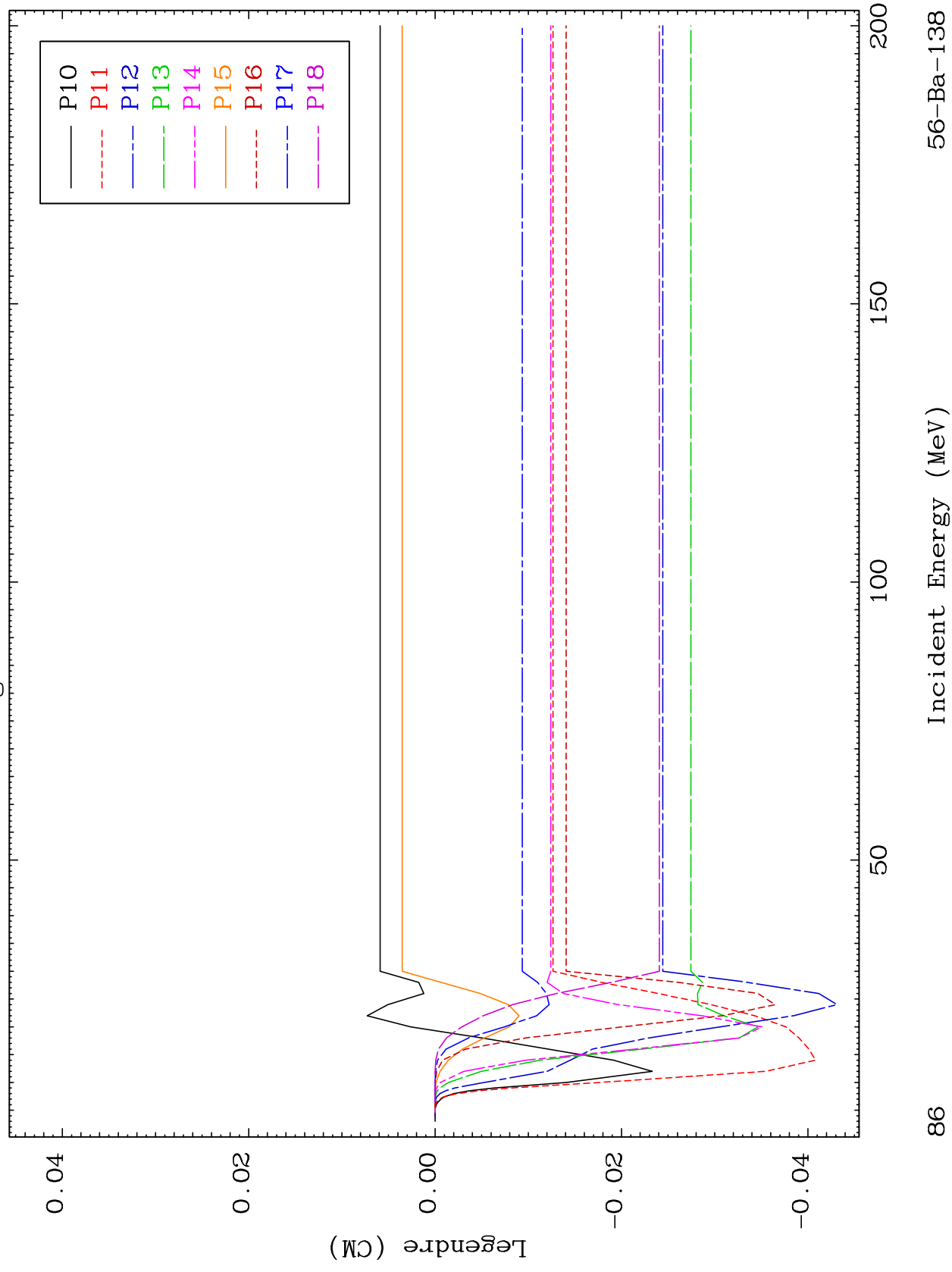


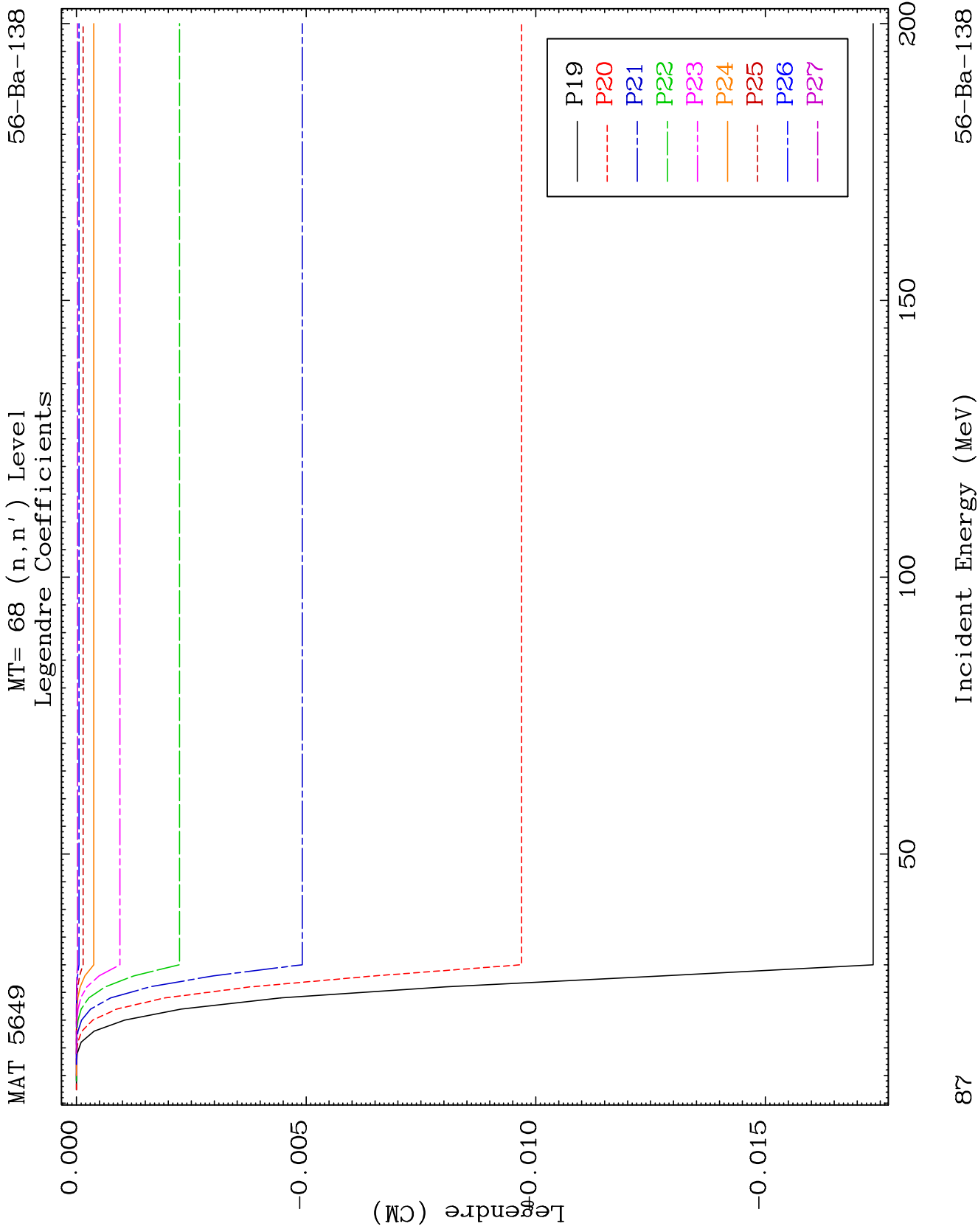


MAT 5649

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

56-Ba-138

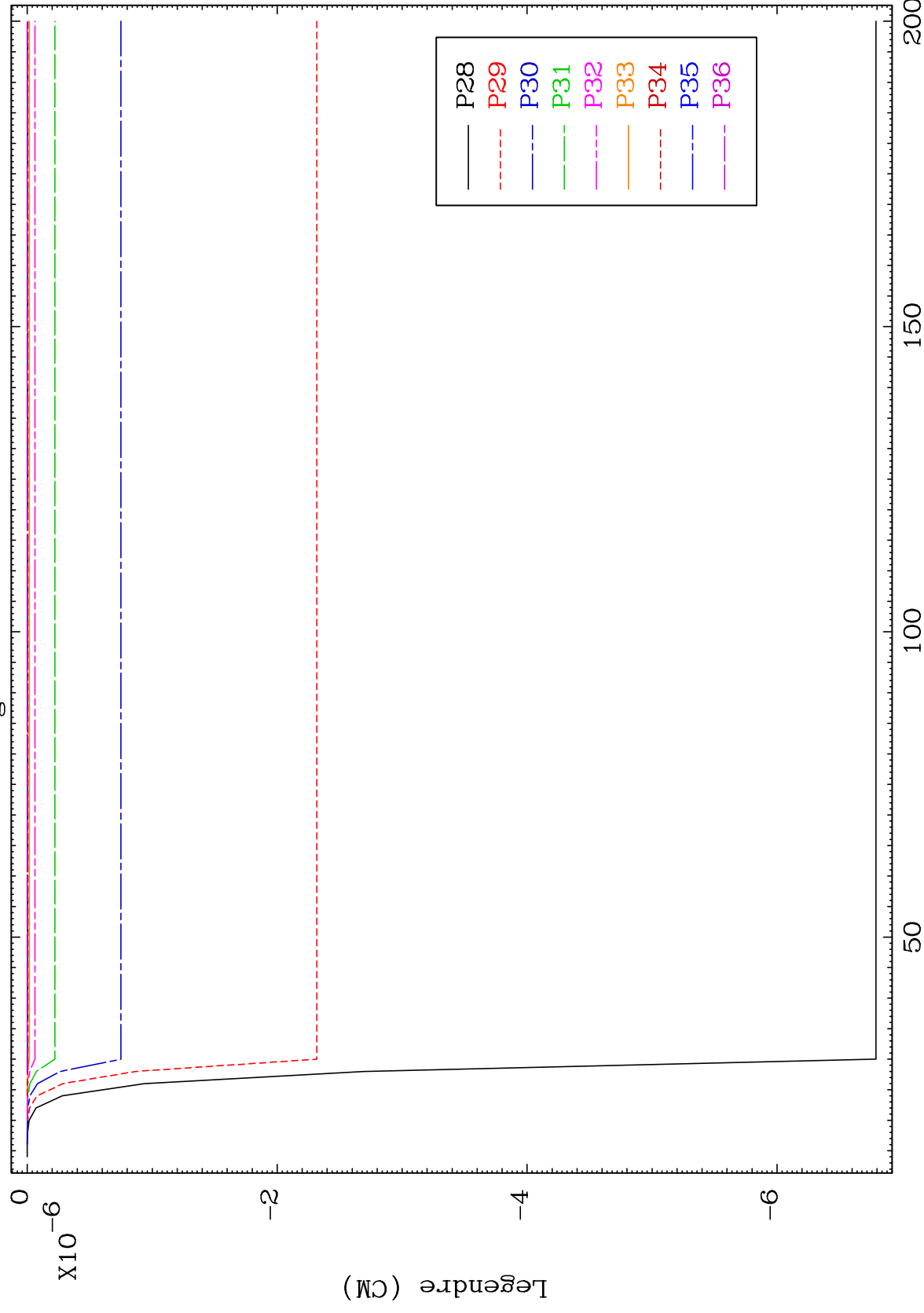




MAT 5649

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

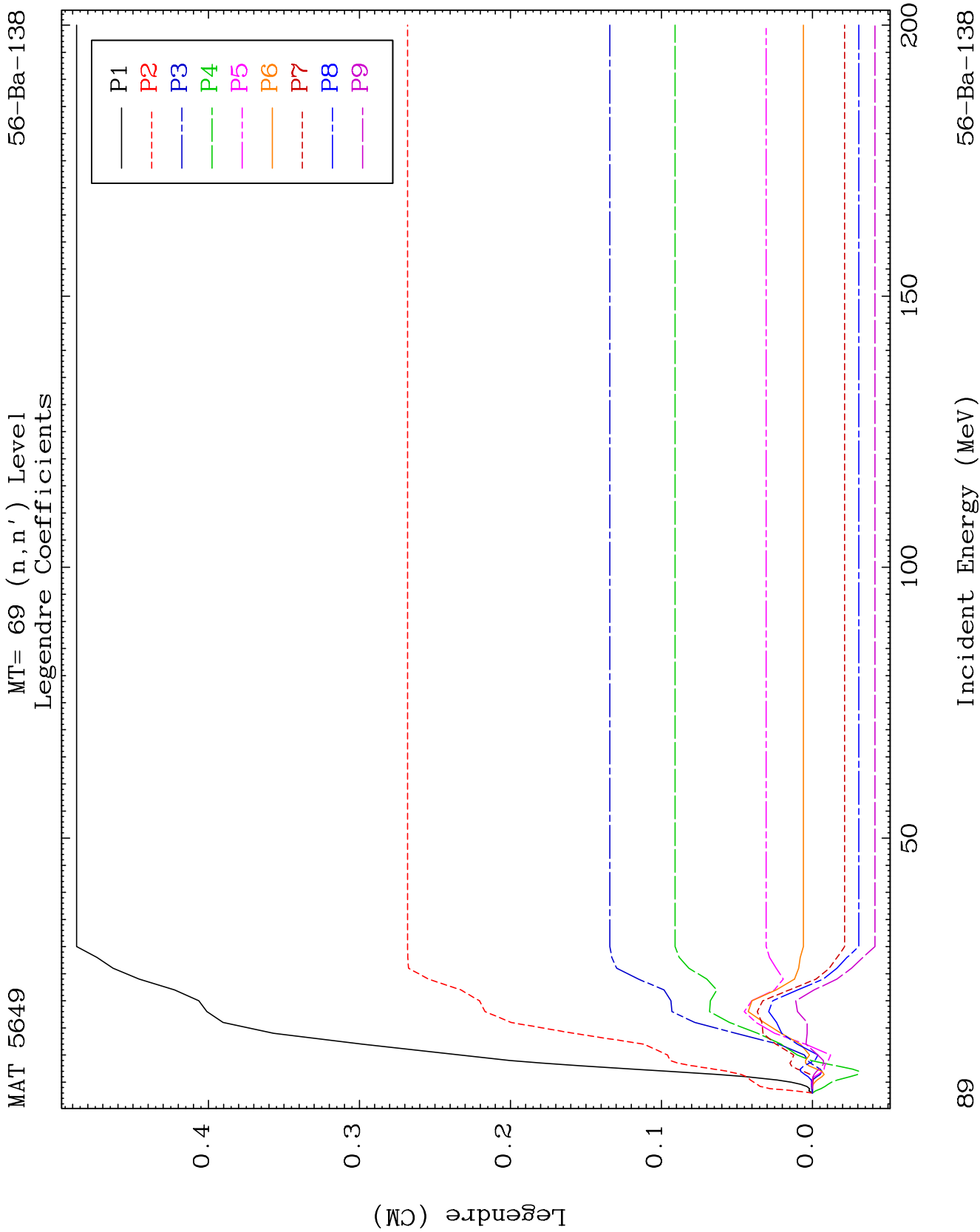
56-Ba-138

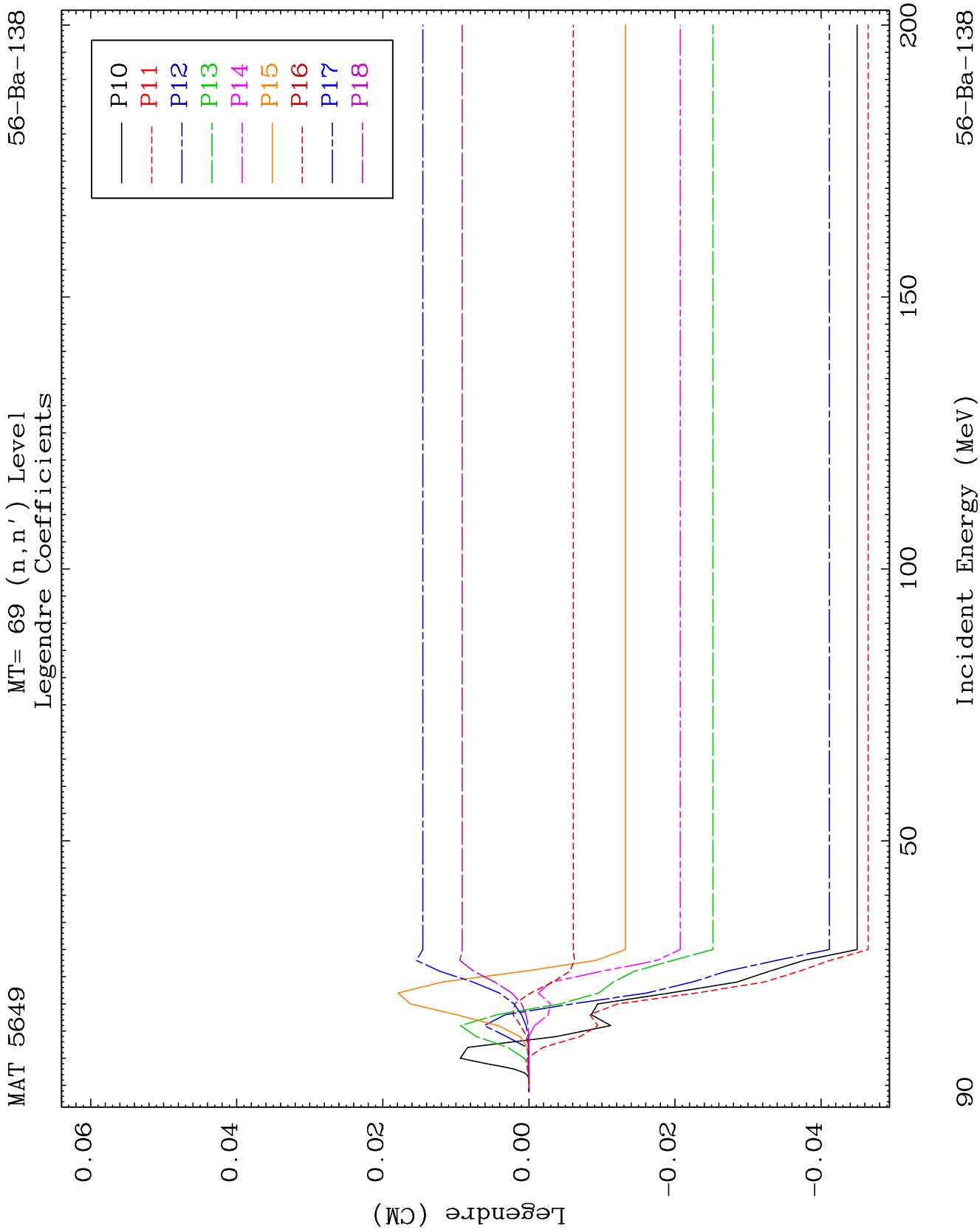


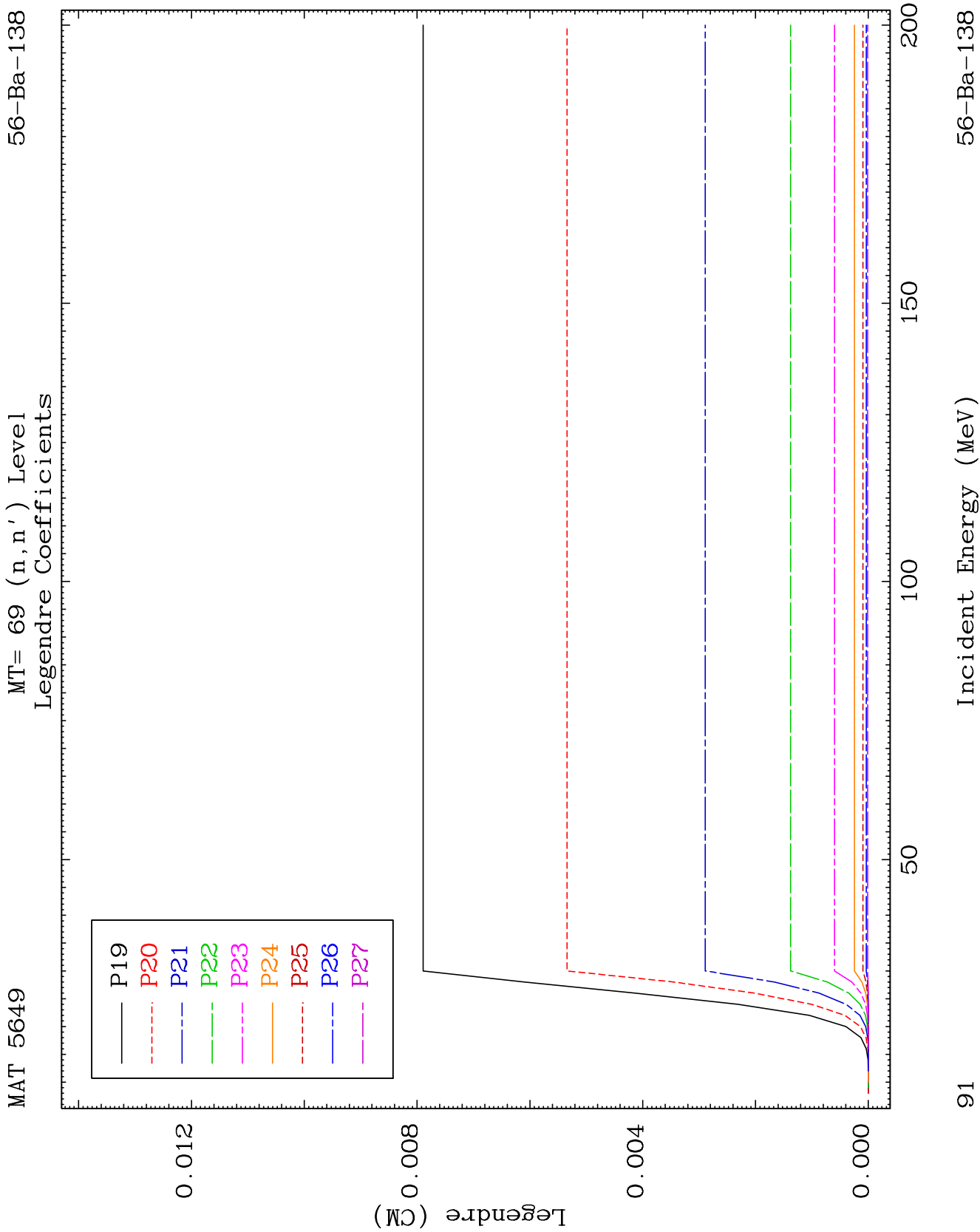
88

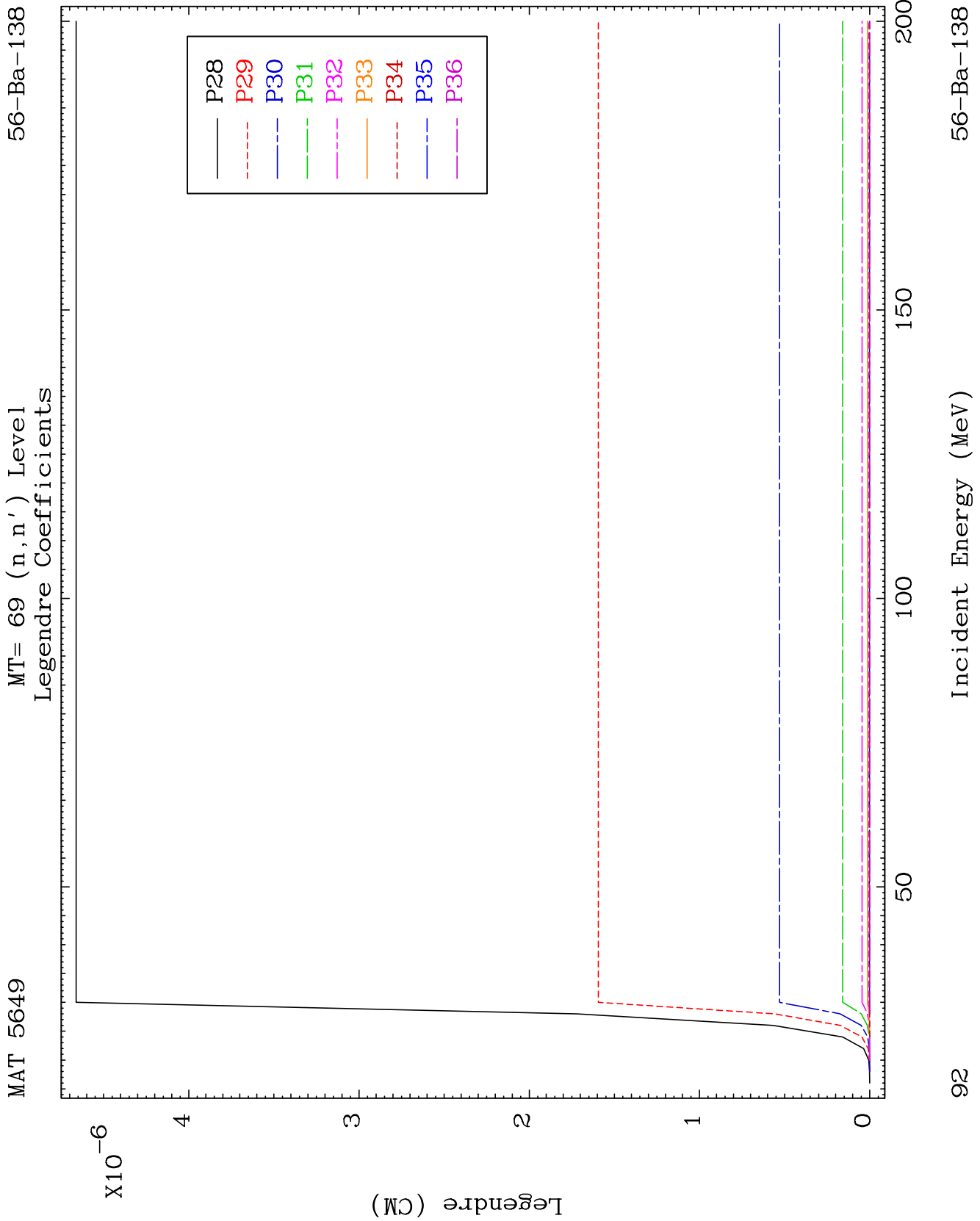
Incident Energy (MeV)

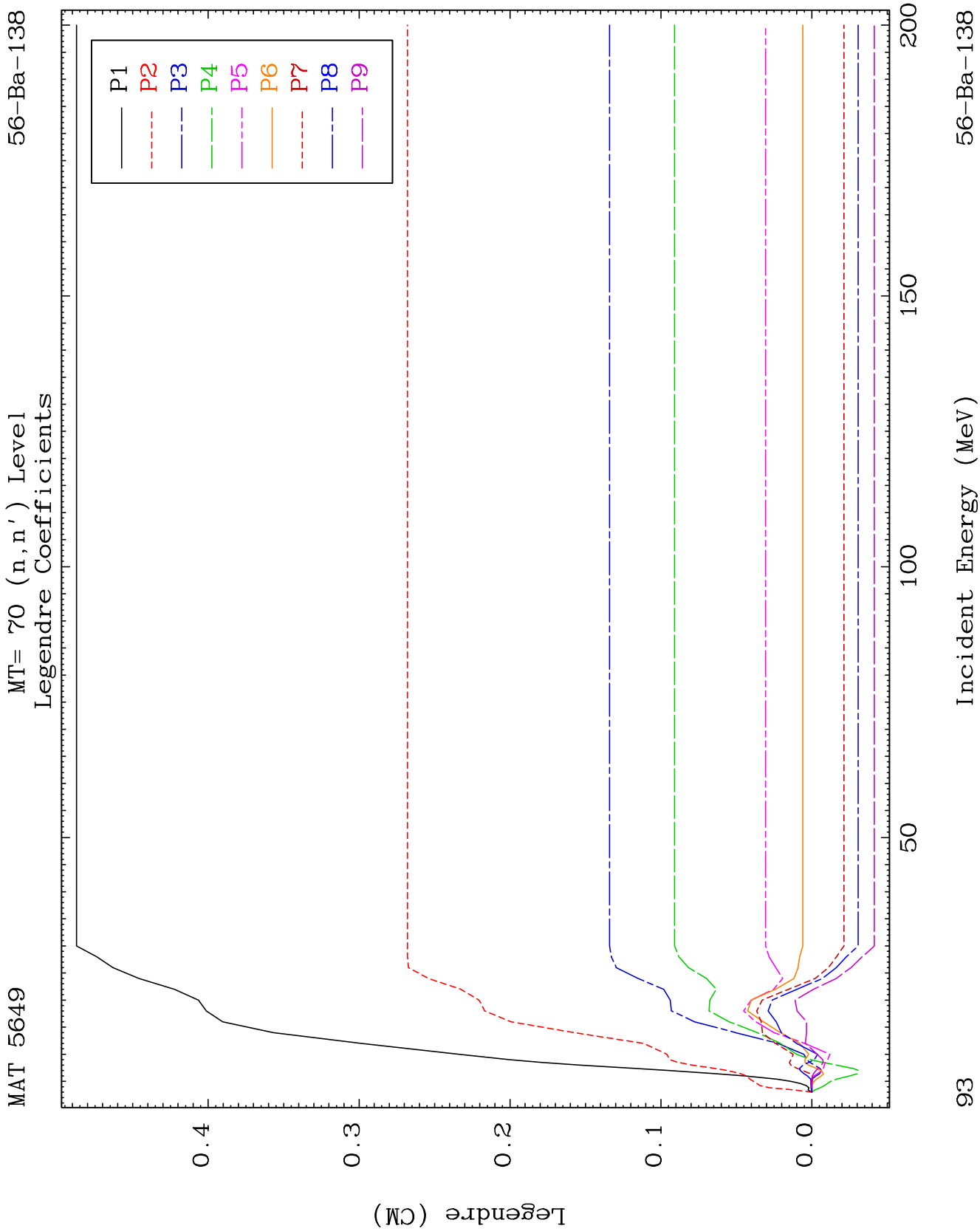
56-Ba-138

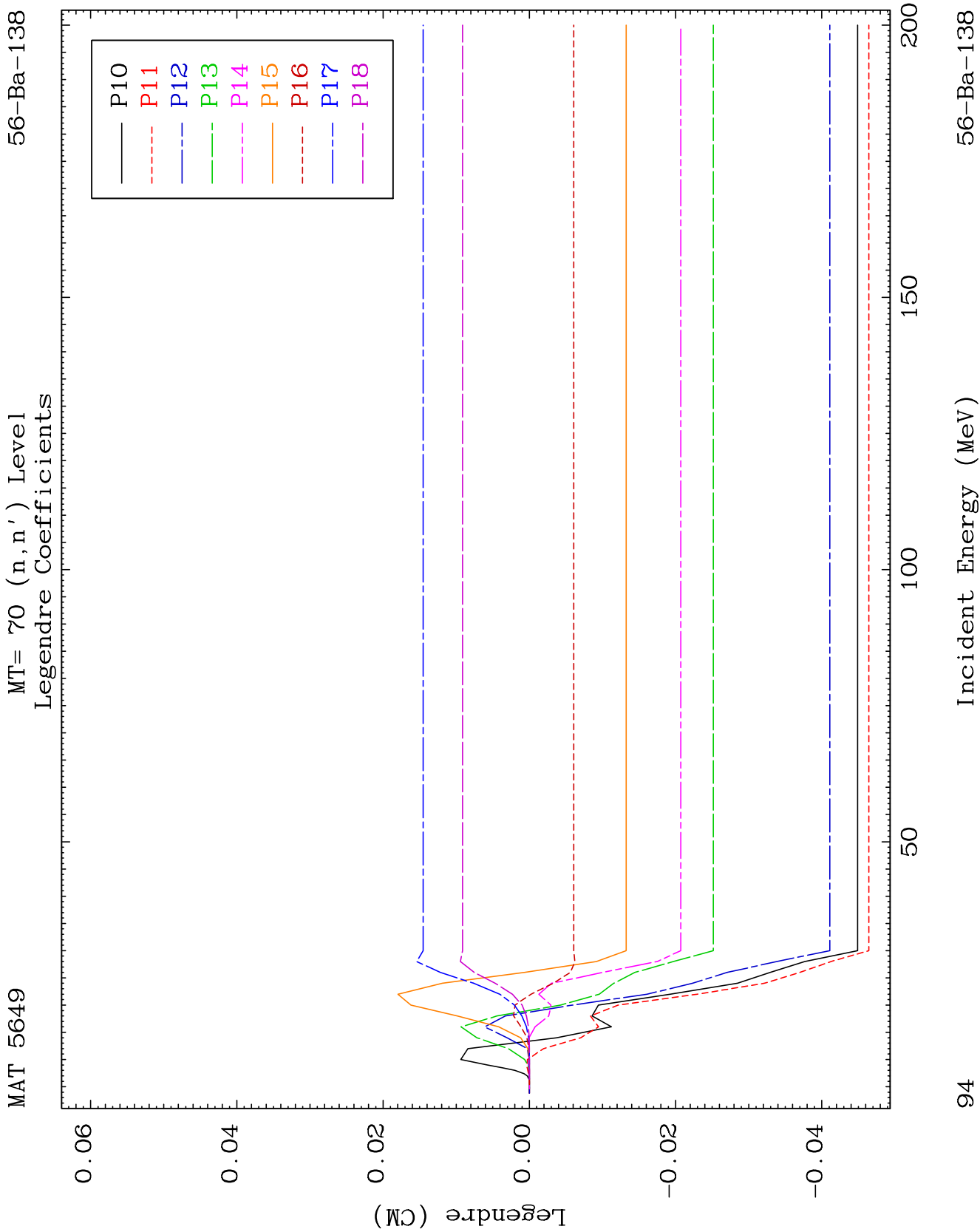








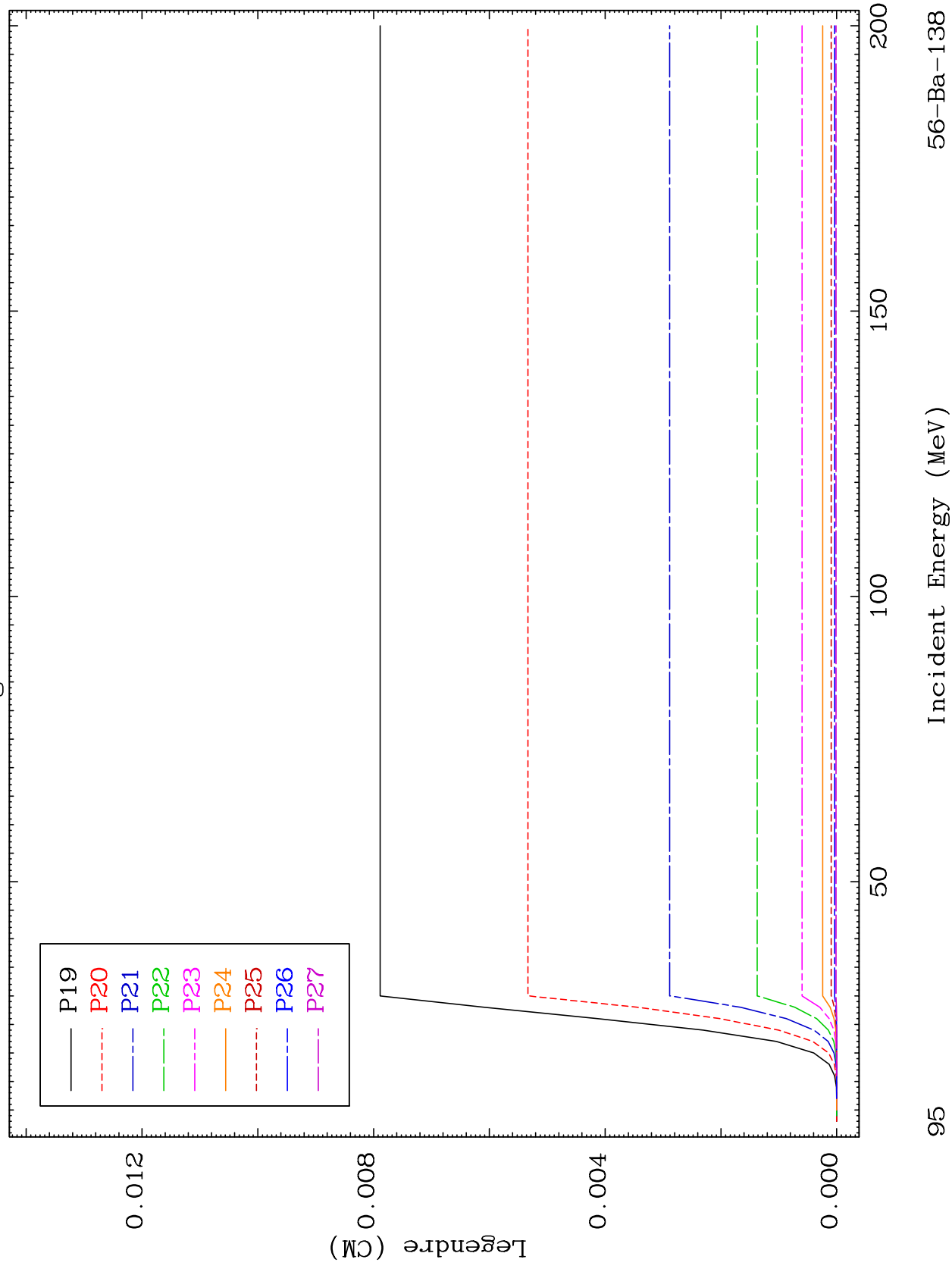




MAT 5649

MT= 70 (n, n') Level
Legendre Coefficients

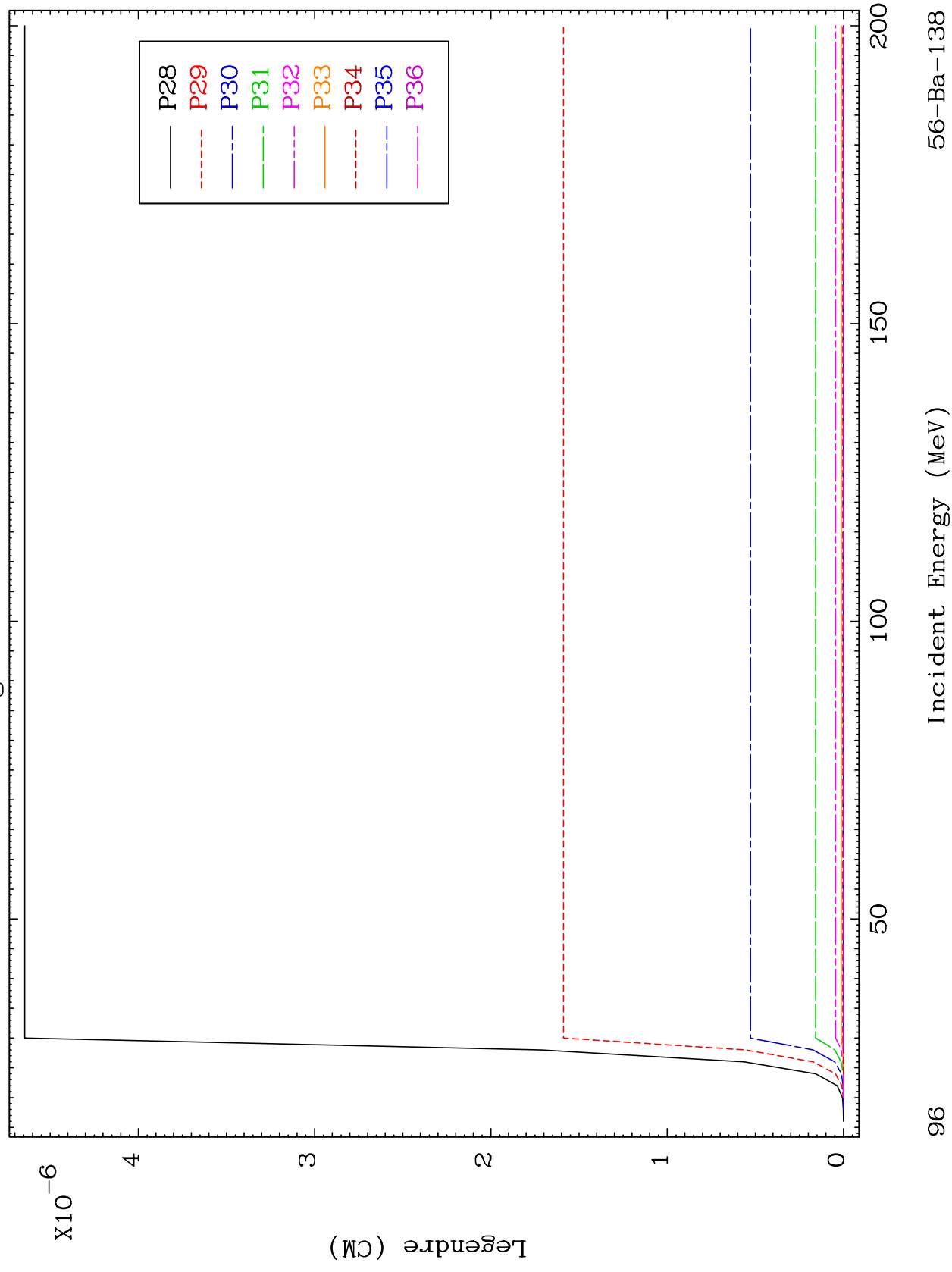
56-Ba-138

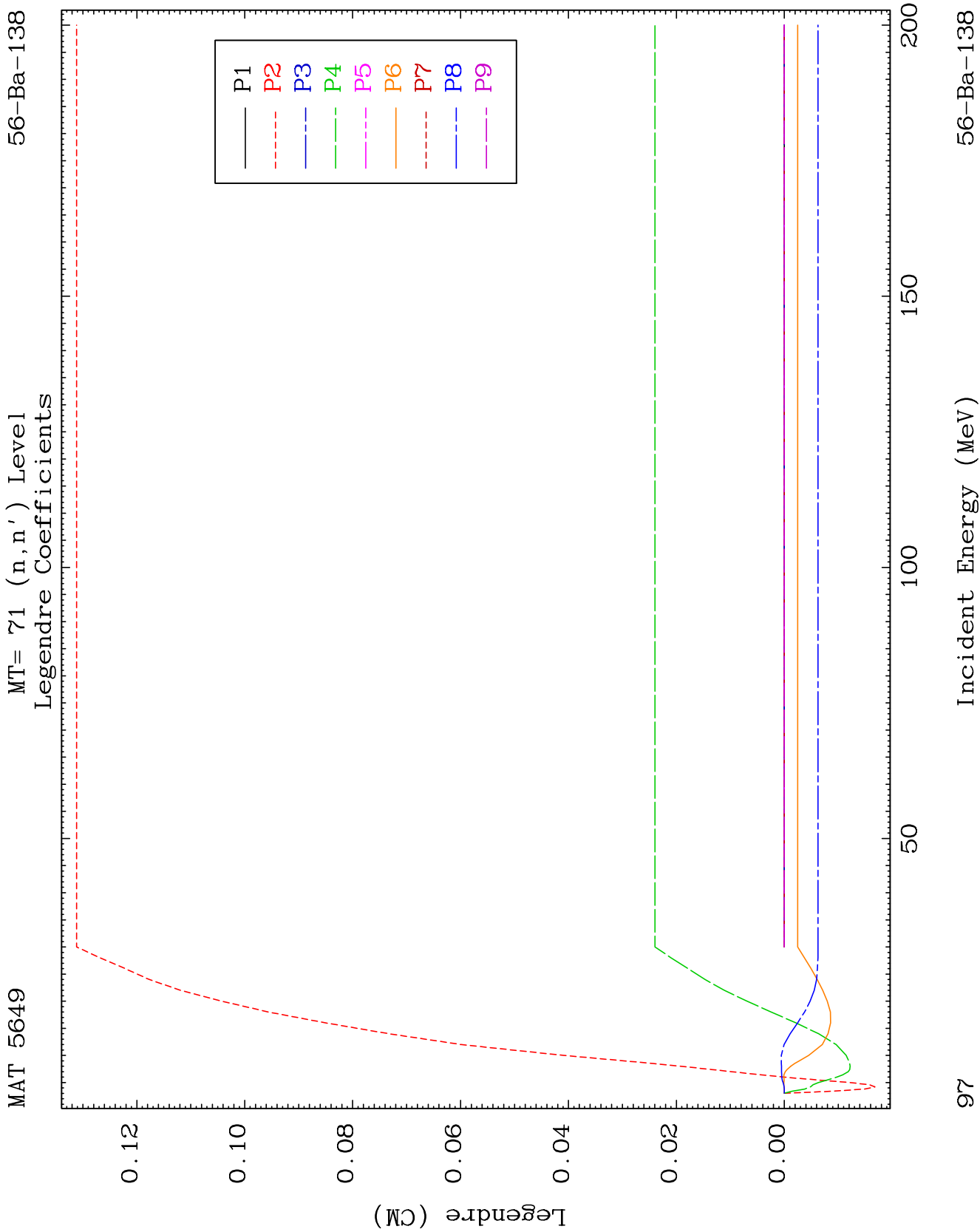


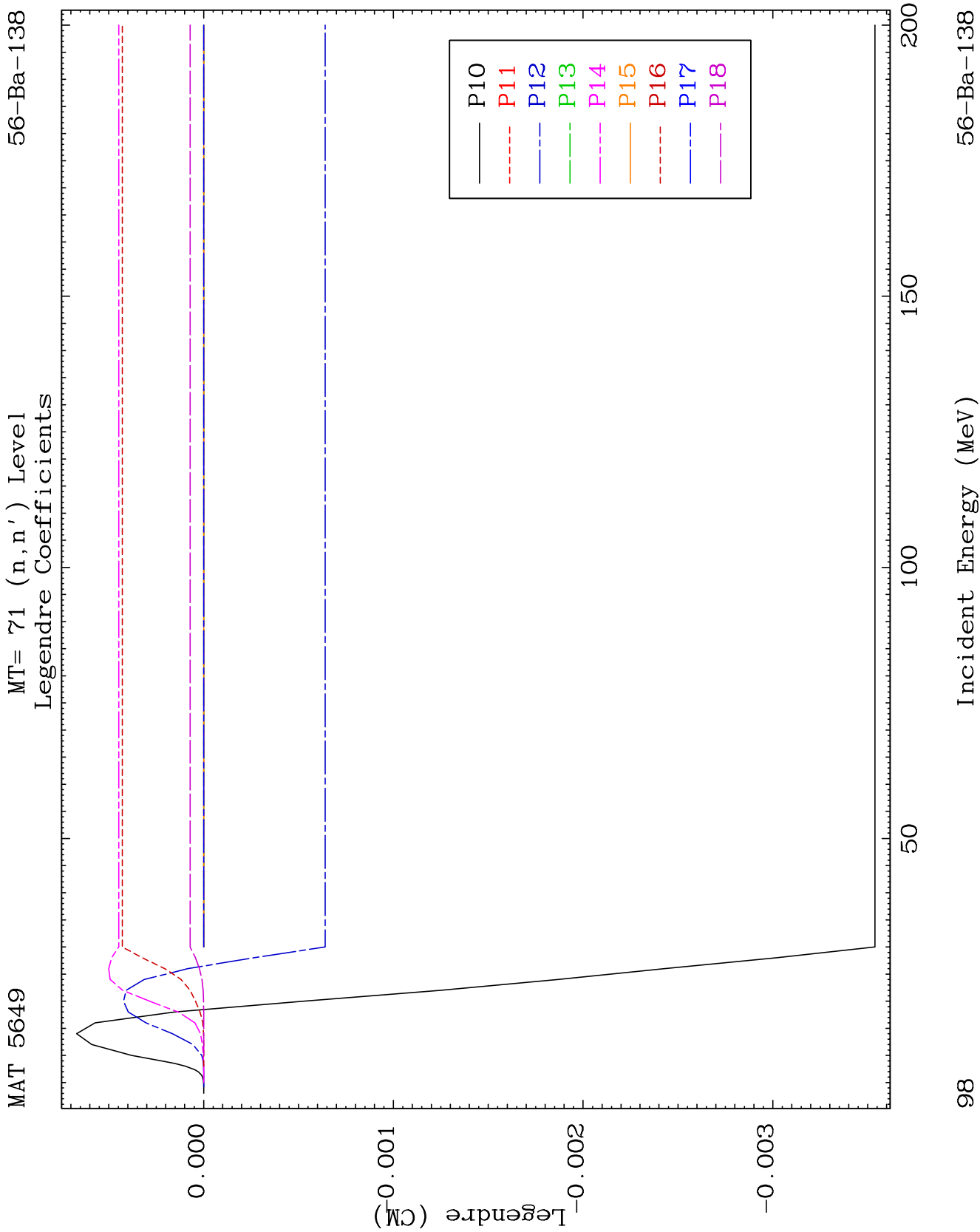
MAT 5649

MT= 70 (n, n') Level
Legendre Coefficients

56-Ba-138



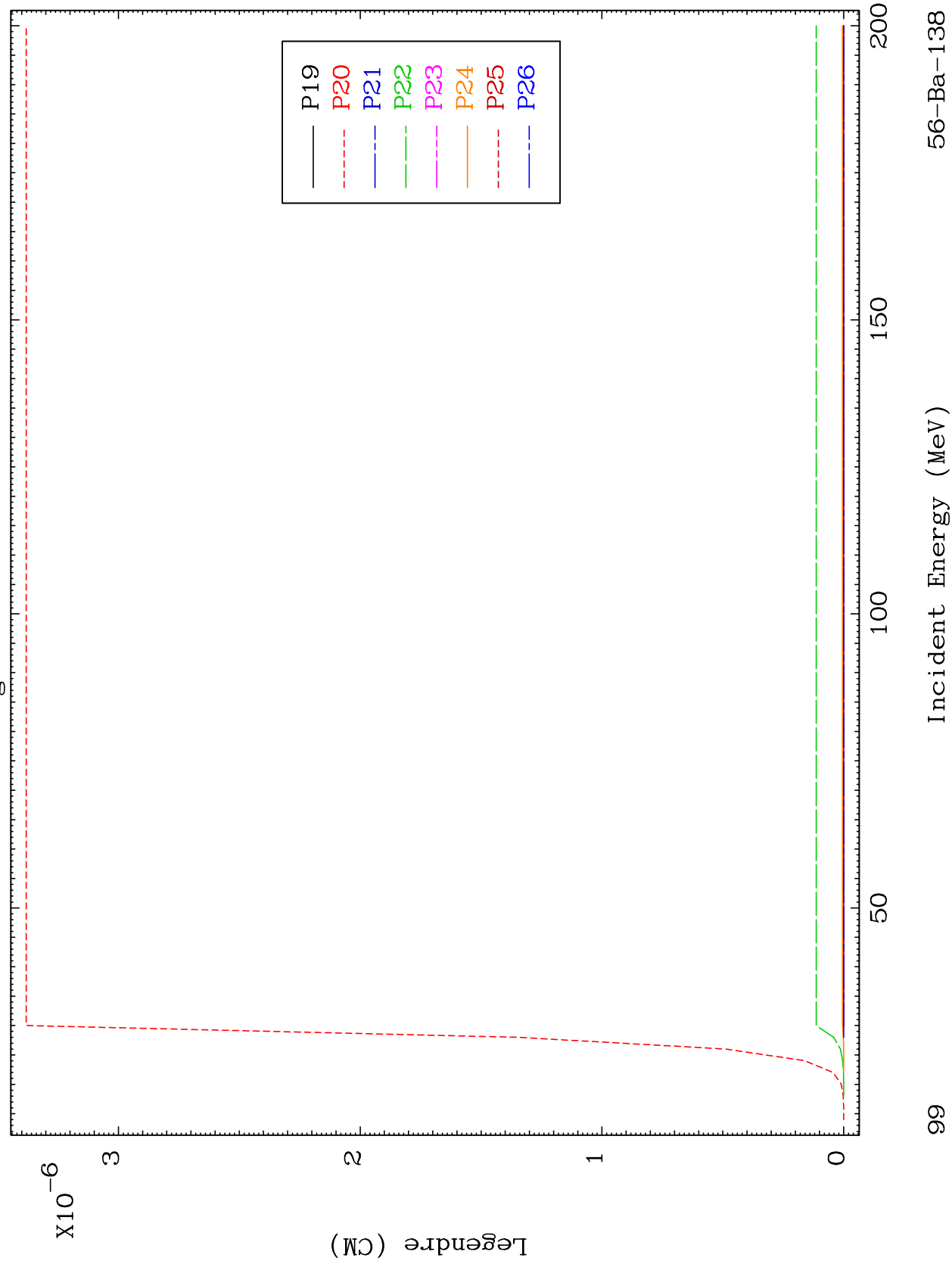




MAT 5649

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

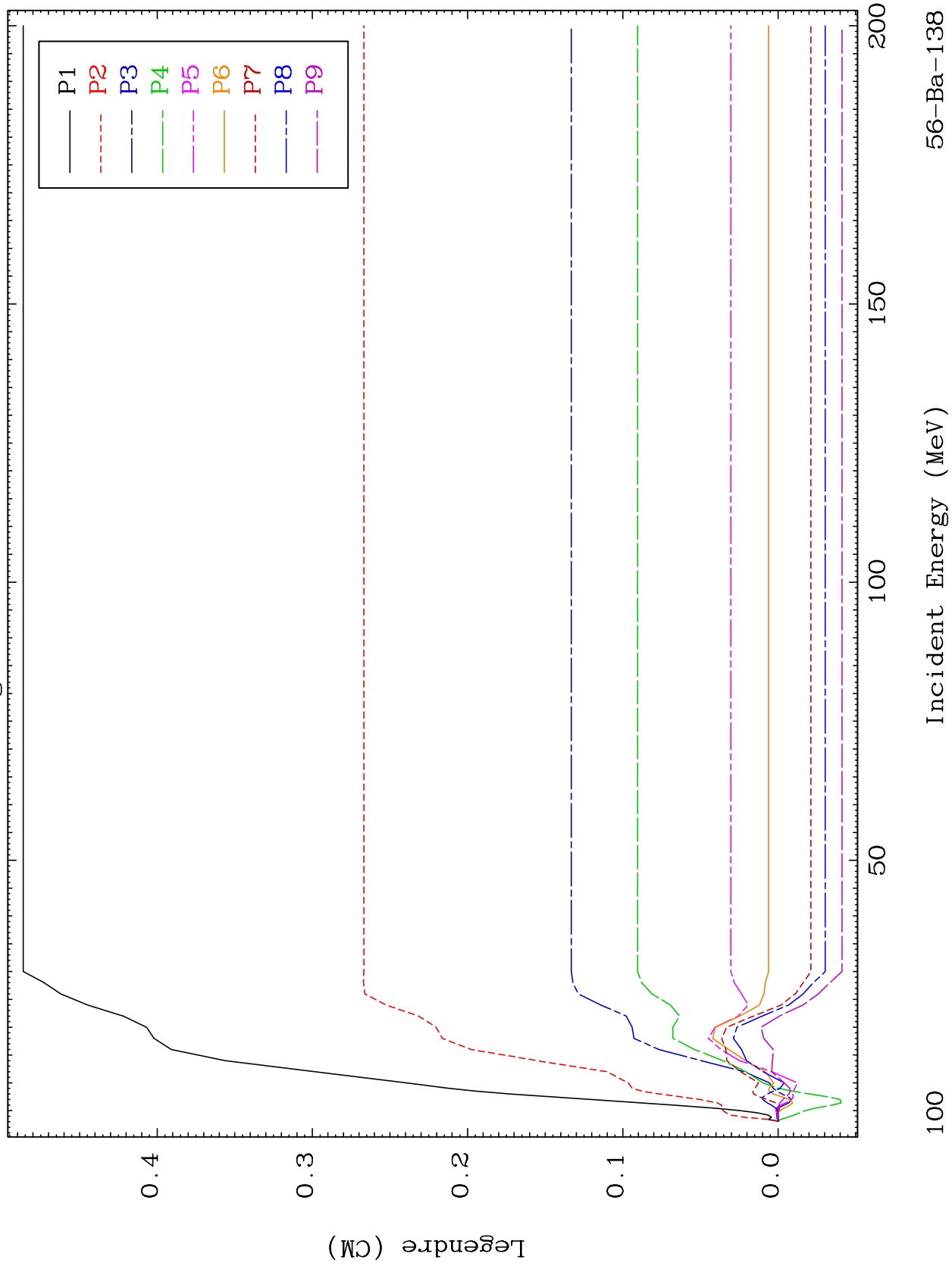
56-Ba-138



MAT 5649

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

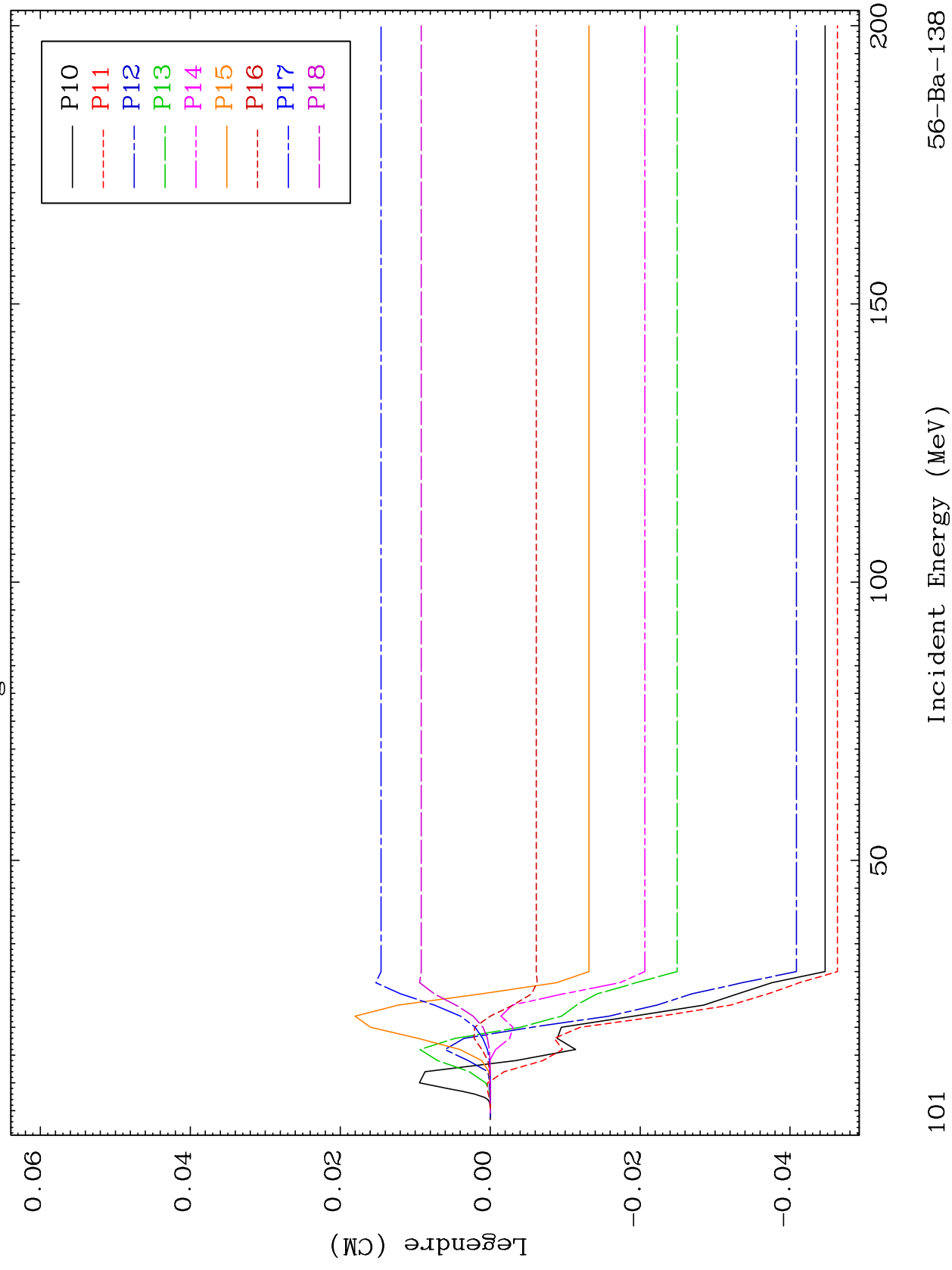
56-Ba-138



MAT 5649

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

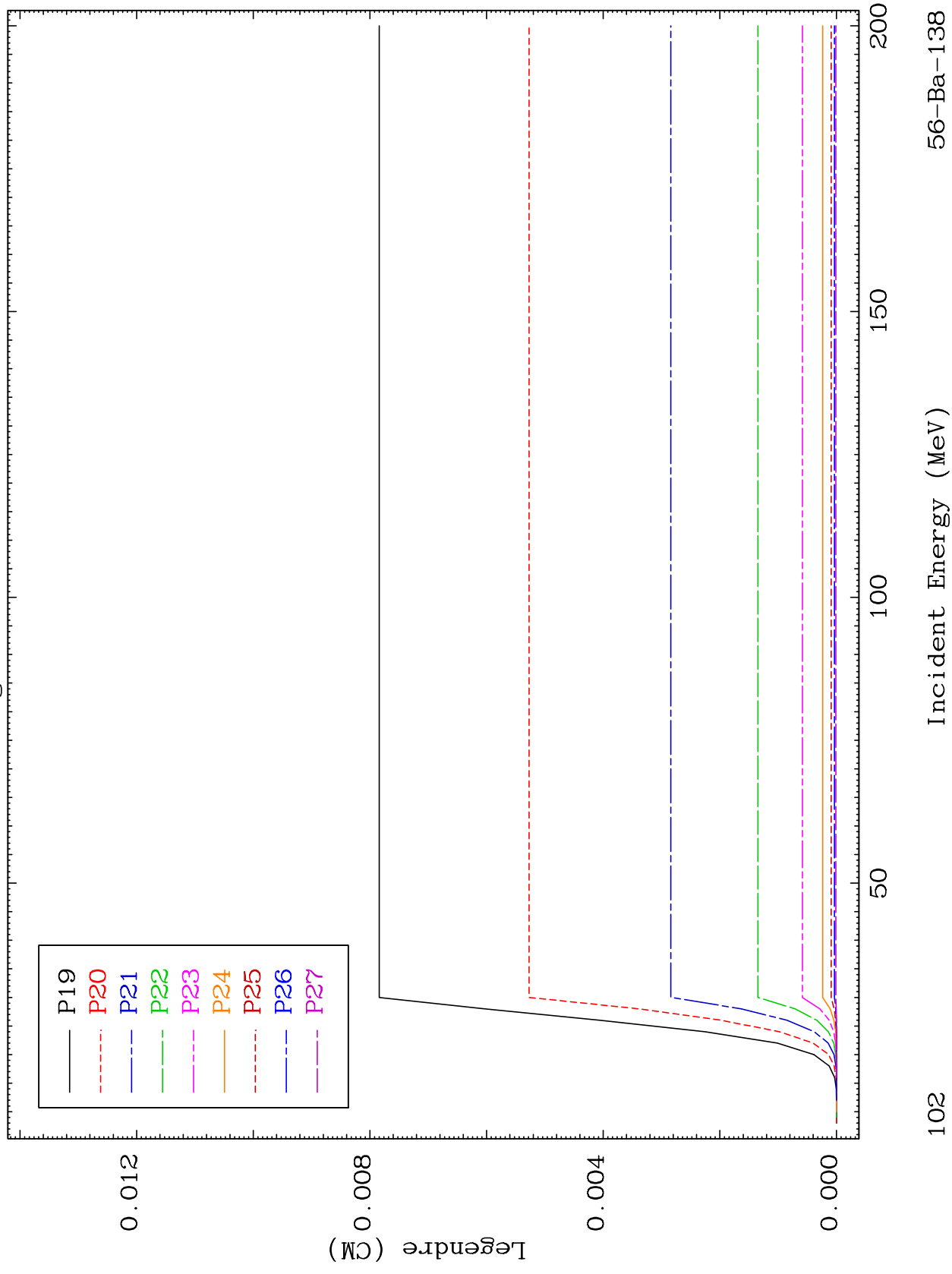
56-Ba-138

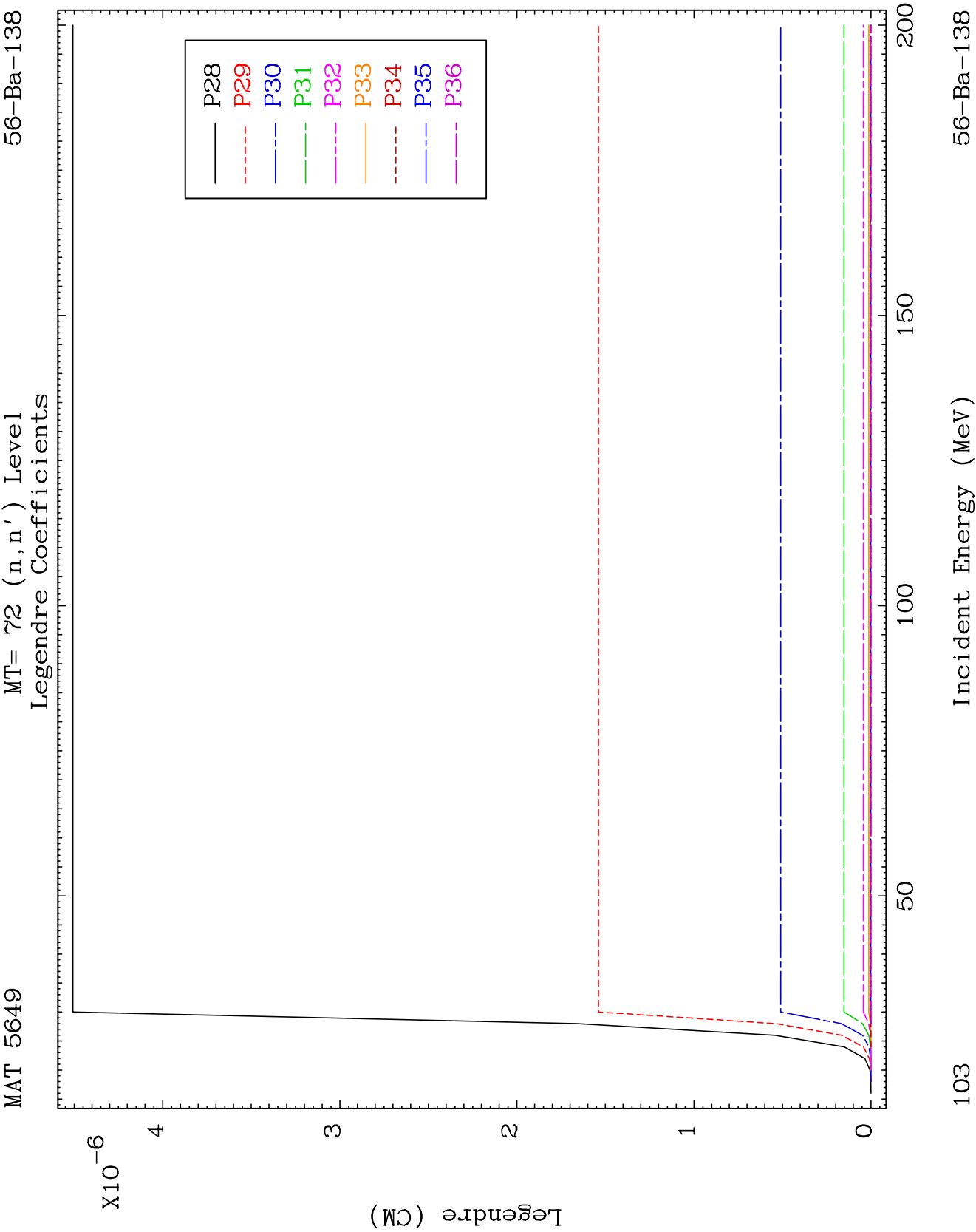


MAT 5649

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

56-Ba-138

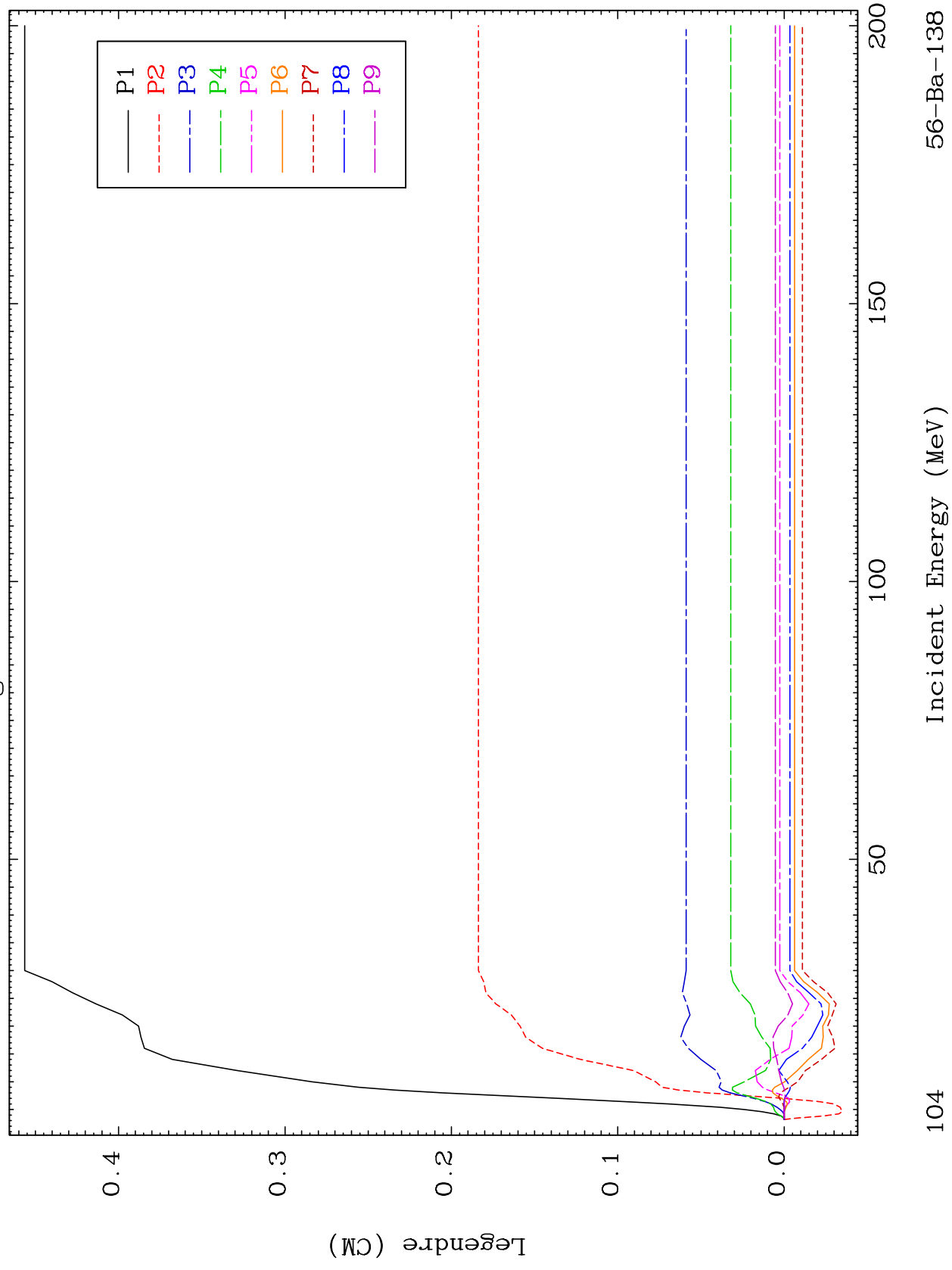




MAT 5649

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

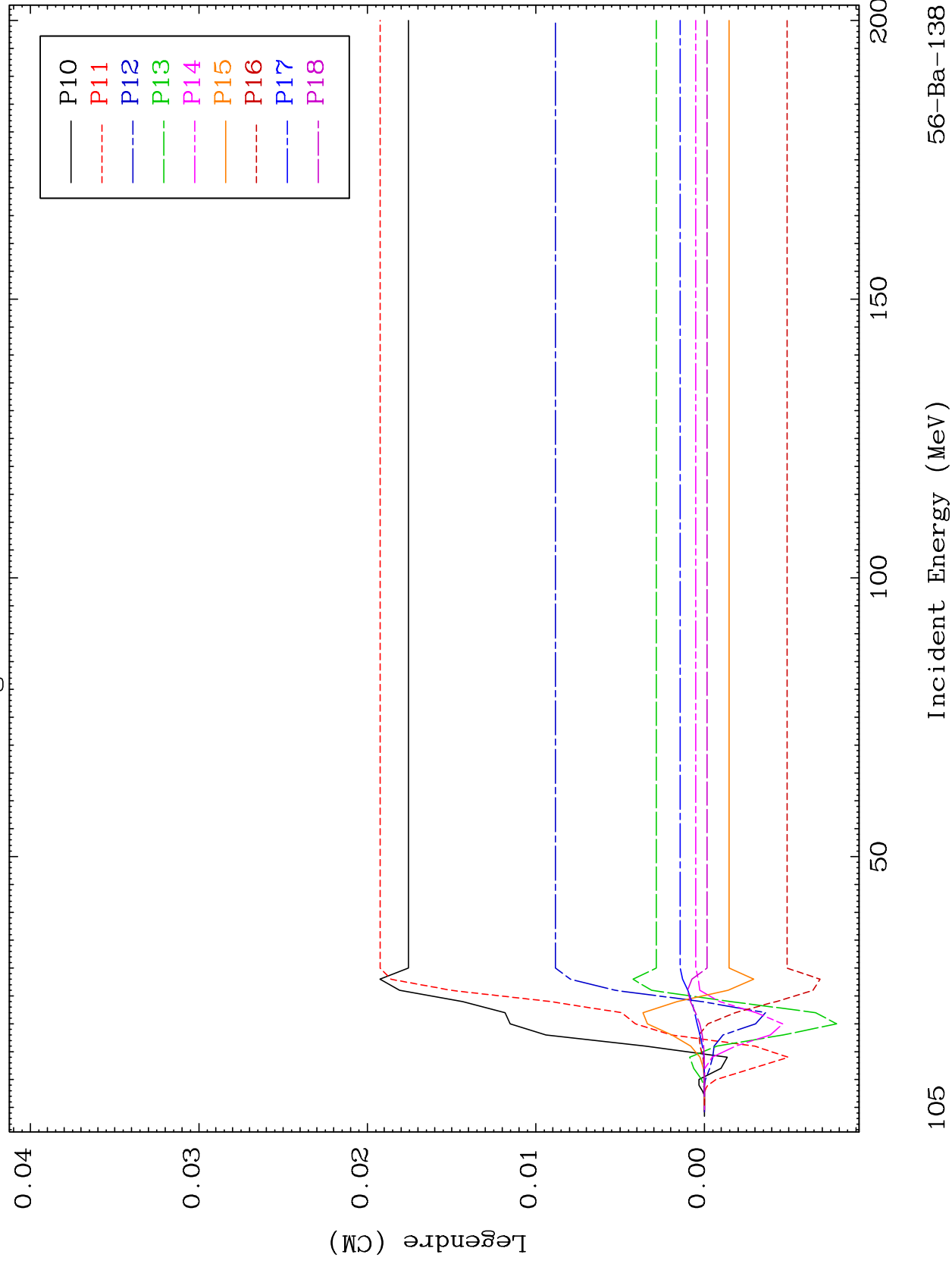
56-Ba-138

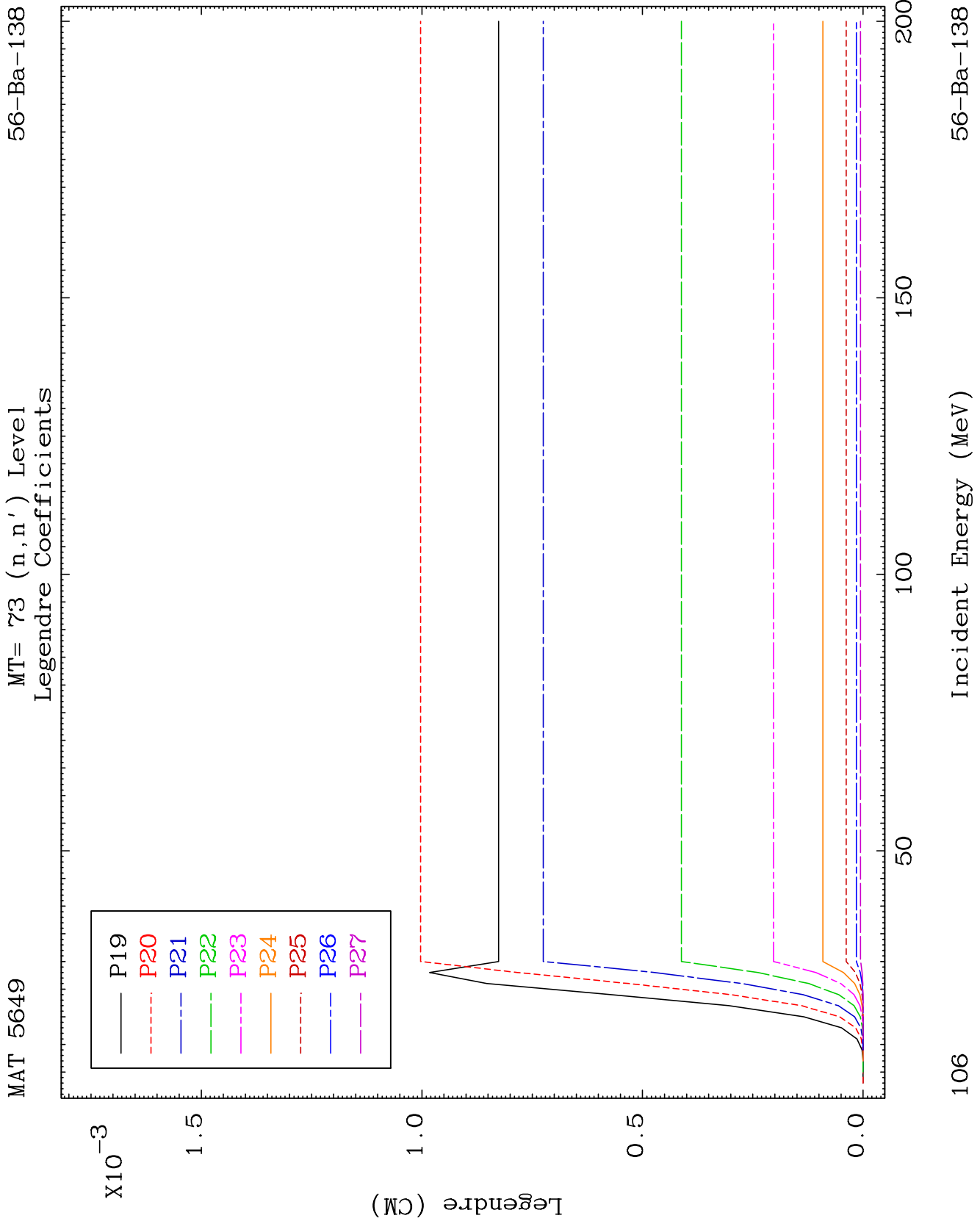


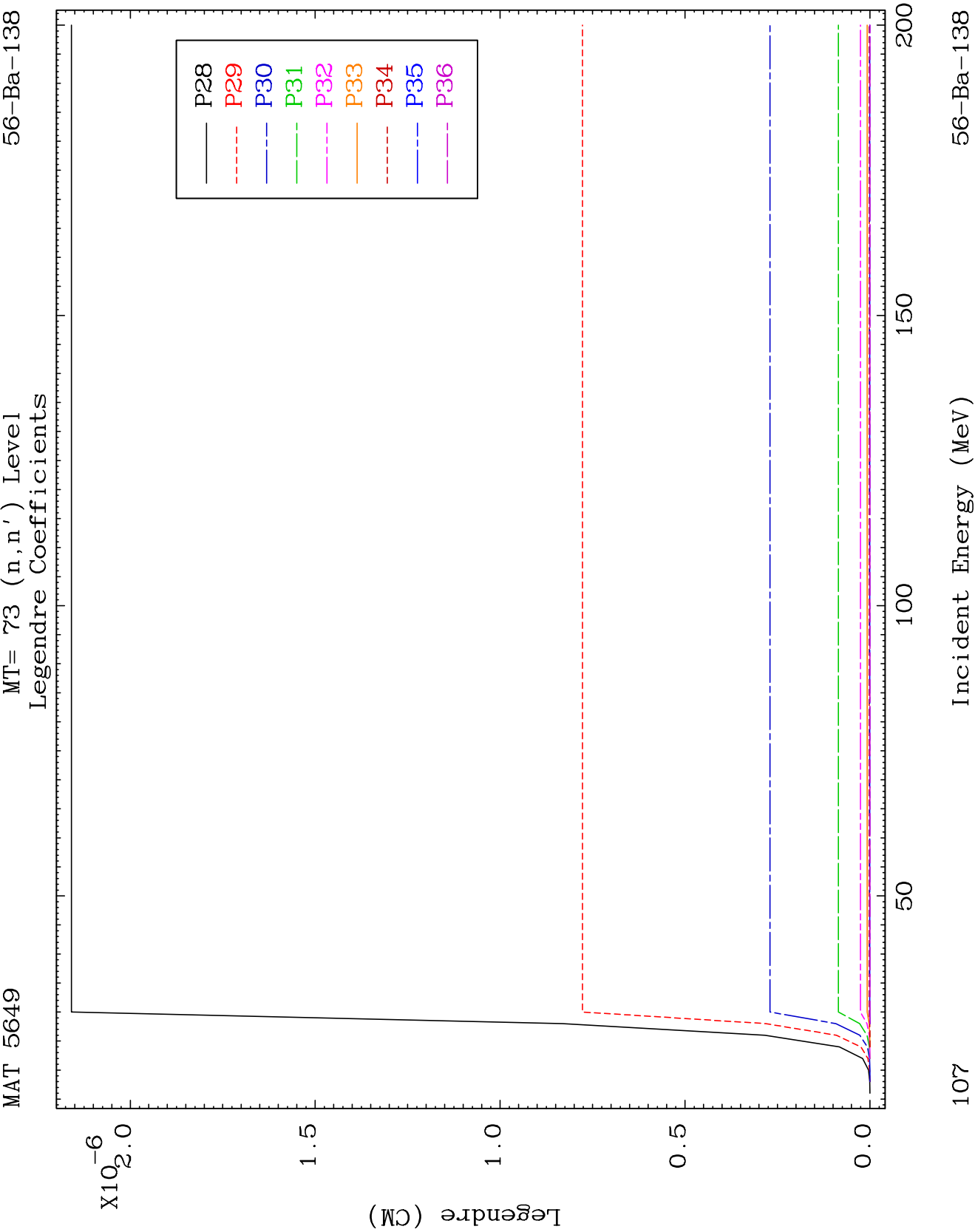
MAT 5649

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

56-Ba-138



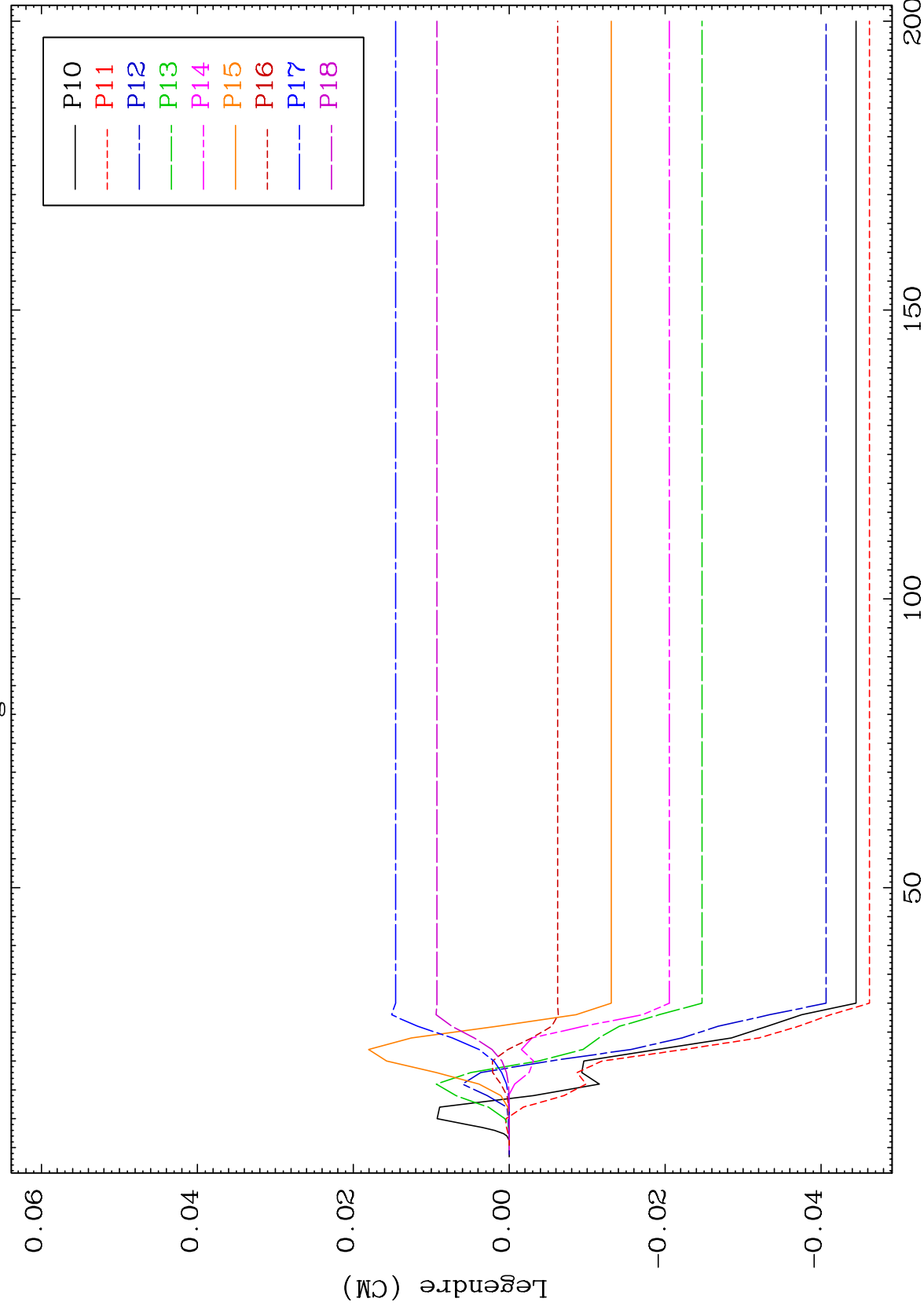




MAT 5649

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

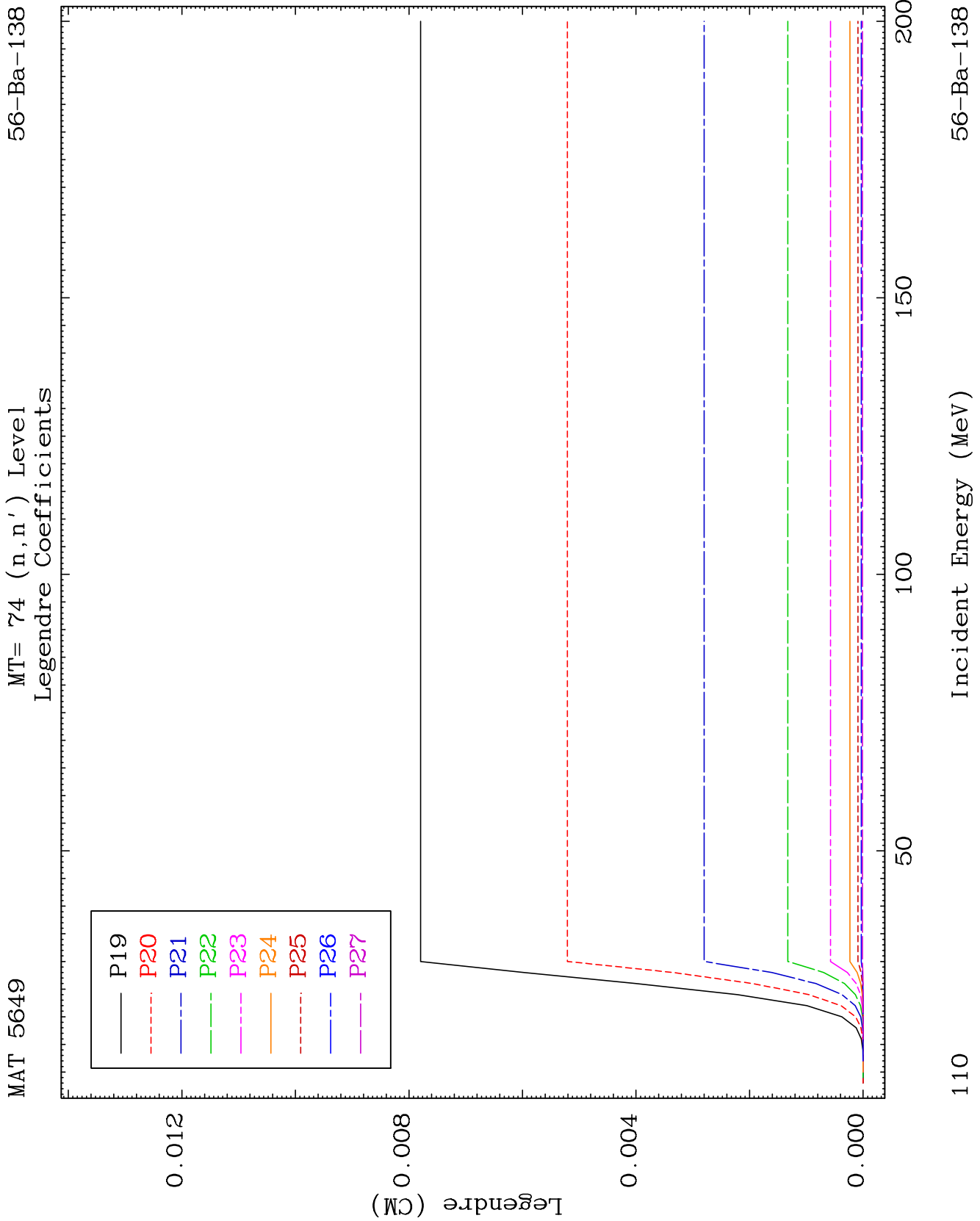
56-Ba-138

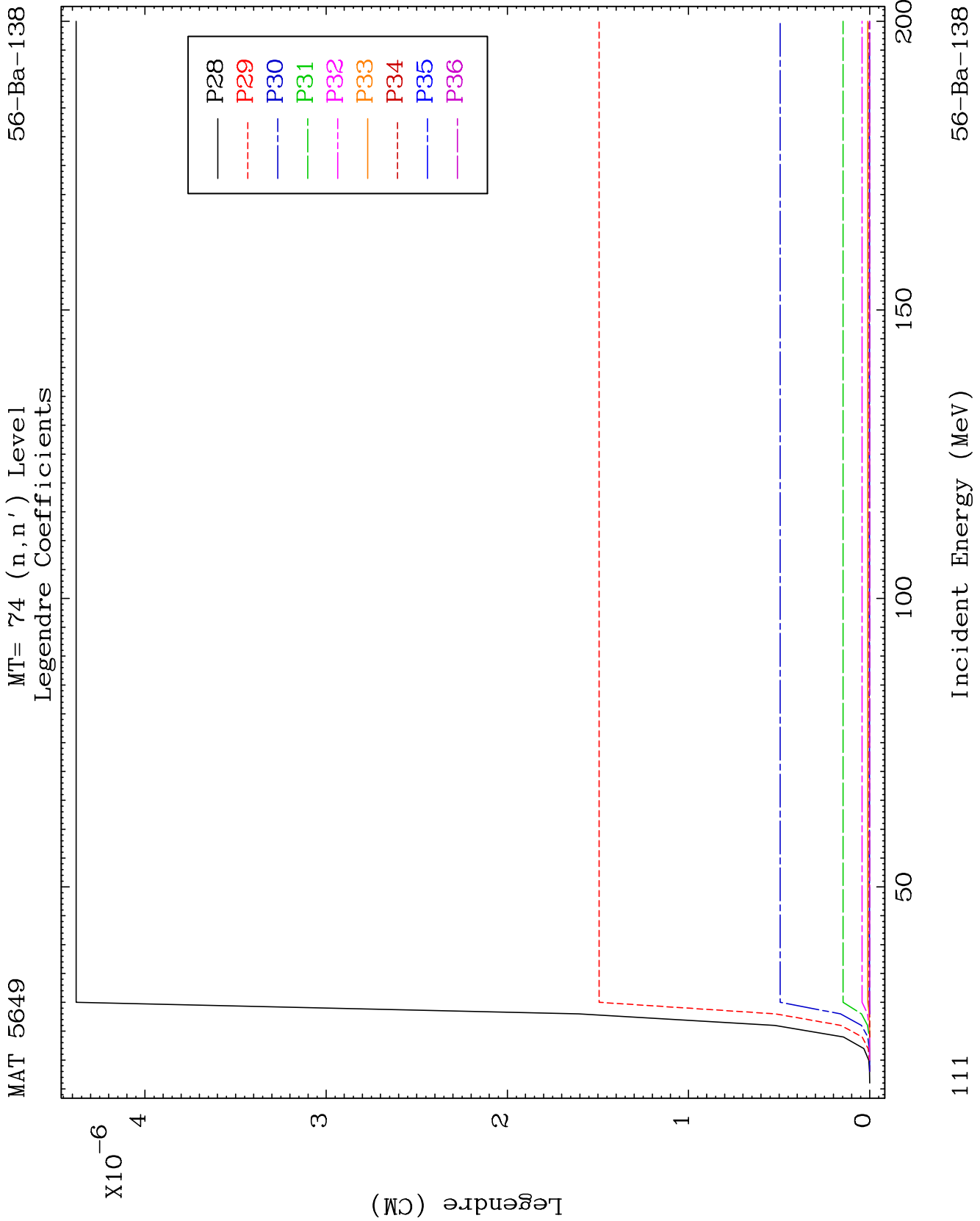


109

Incident Energy (MeV)

56-Ba-138

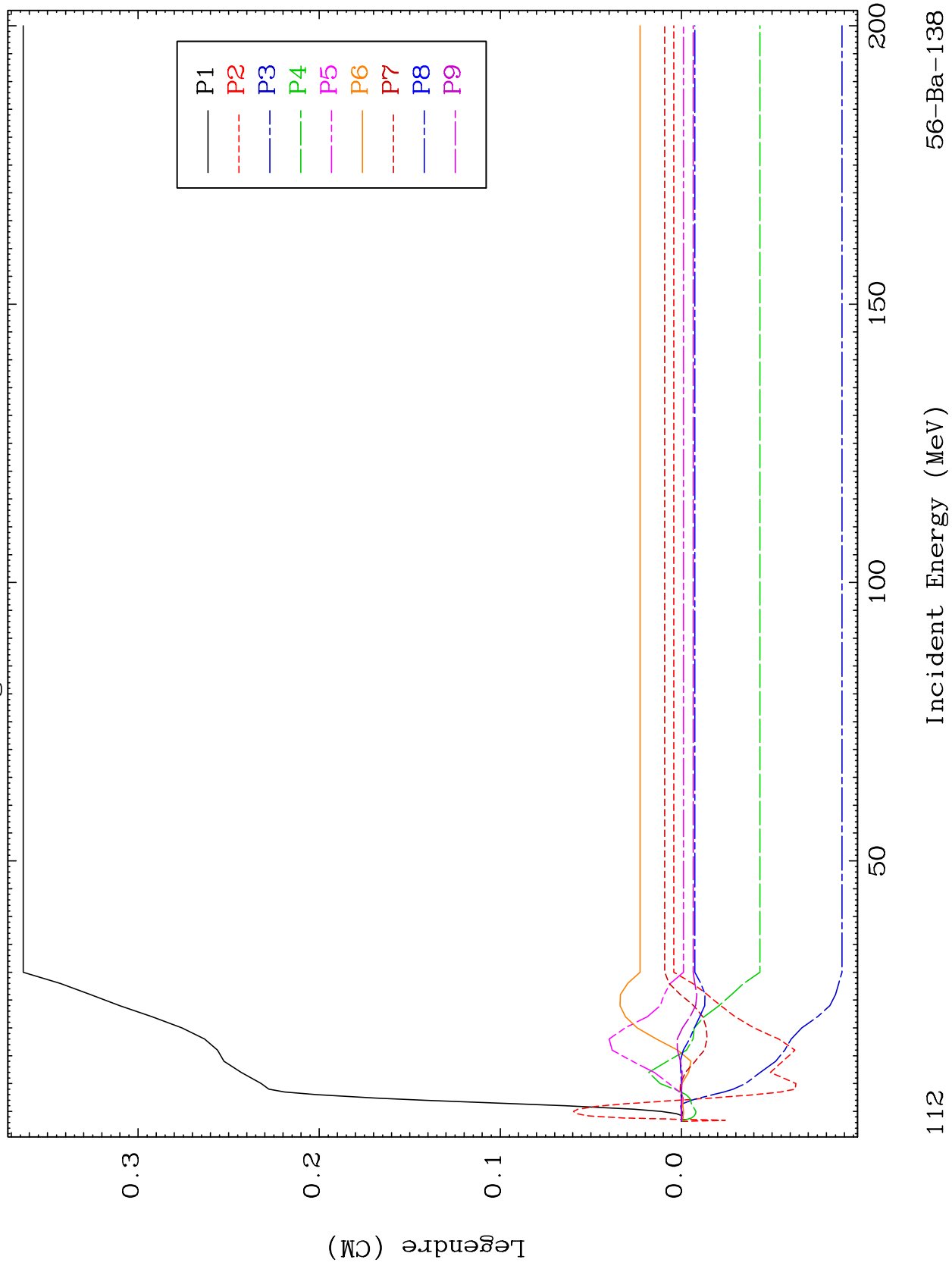




MAT 5649

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

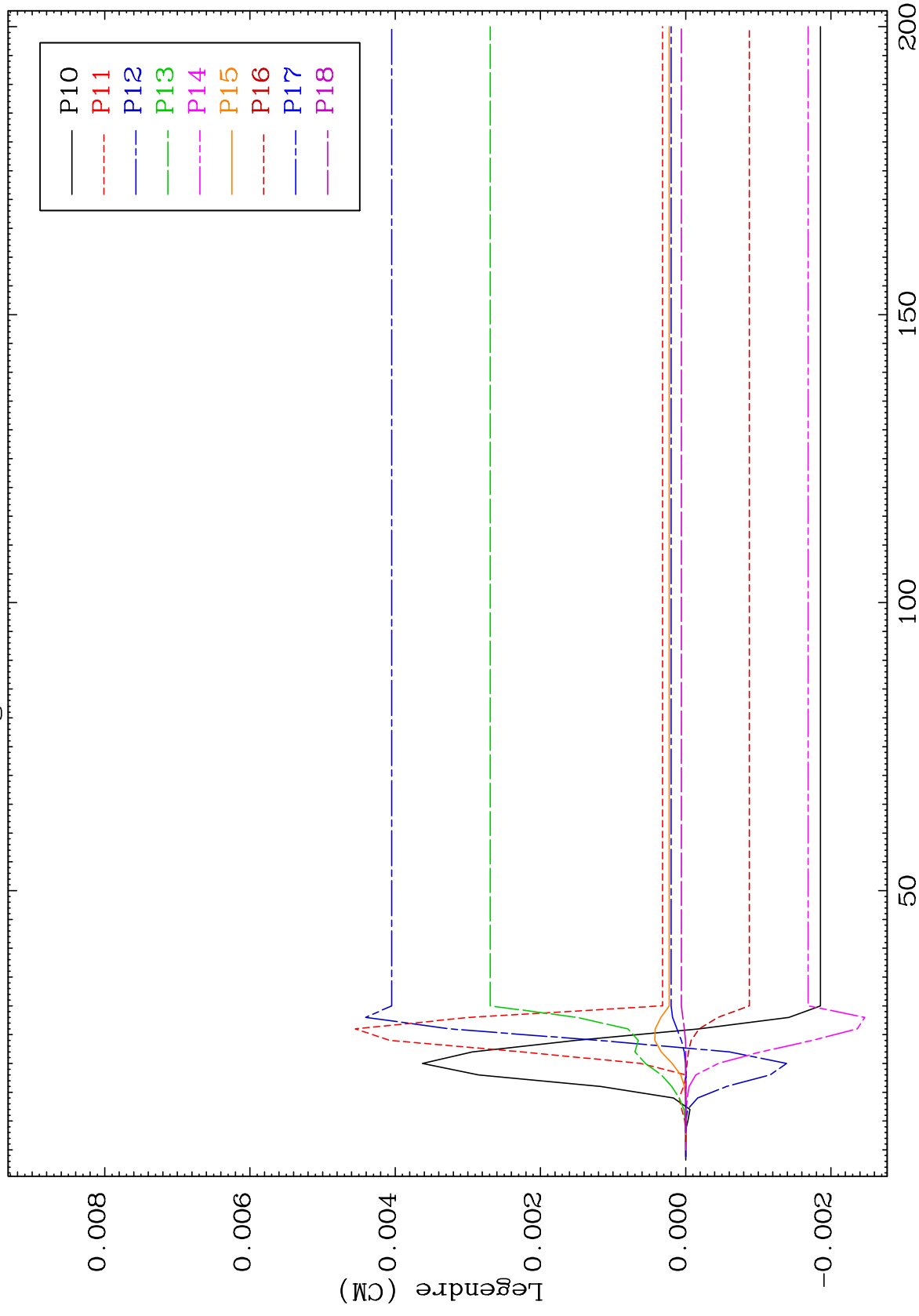
56-Ba-138



MAT 5649

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

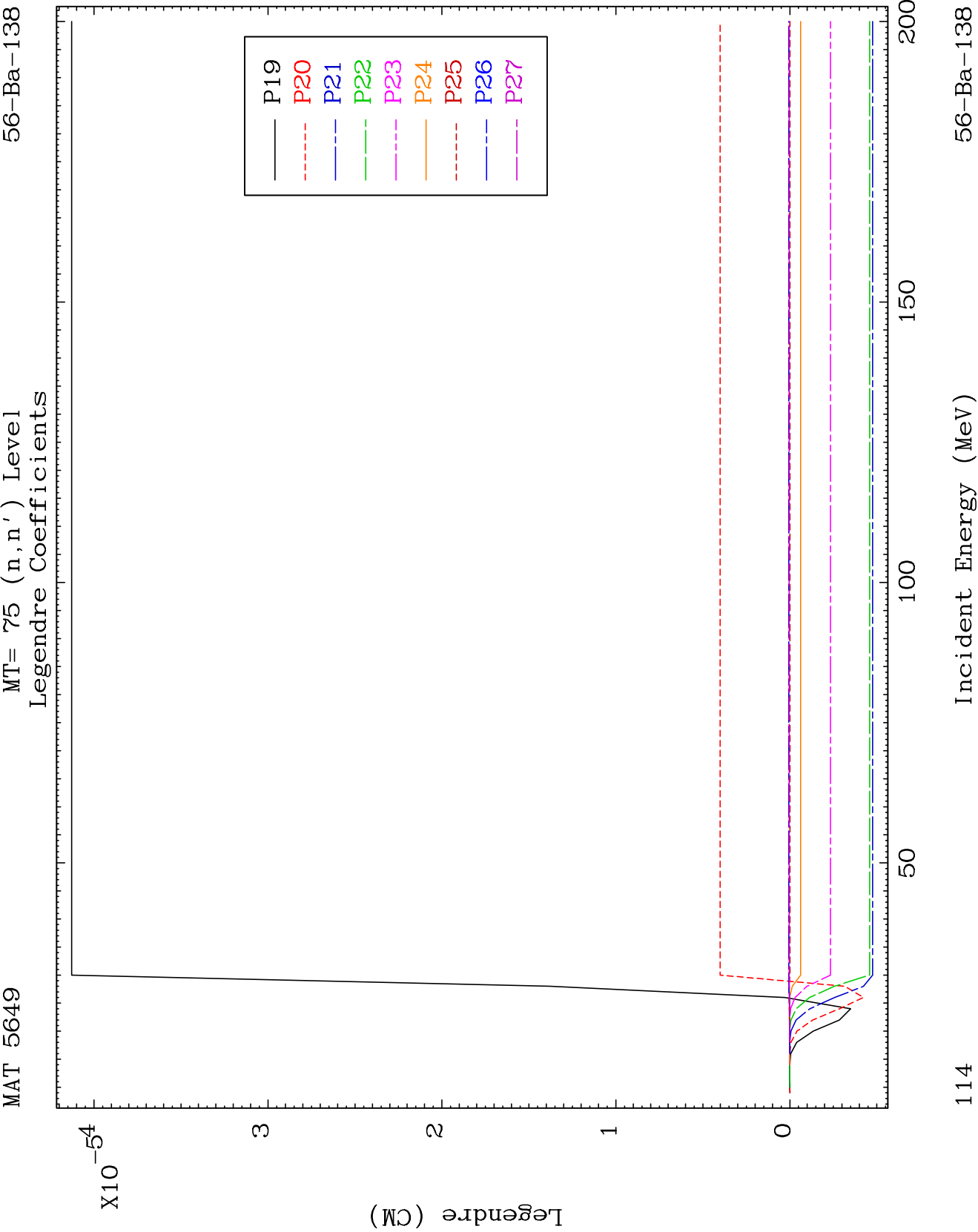
56-Ba-138

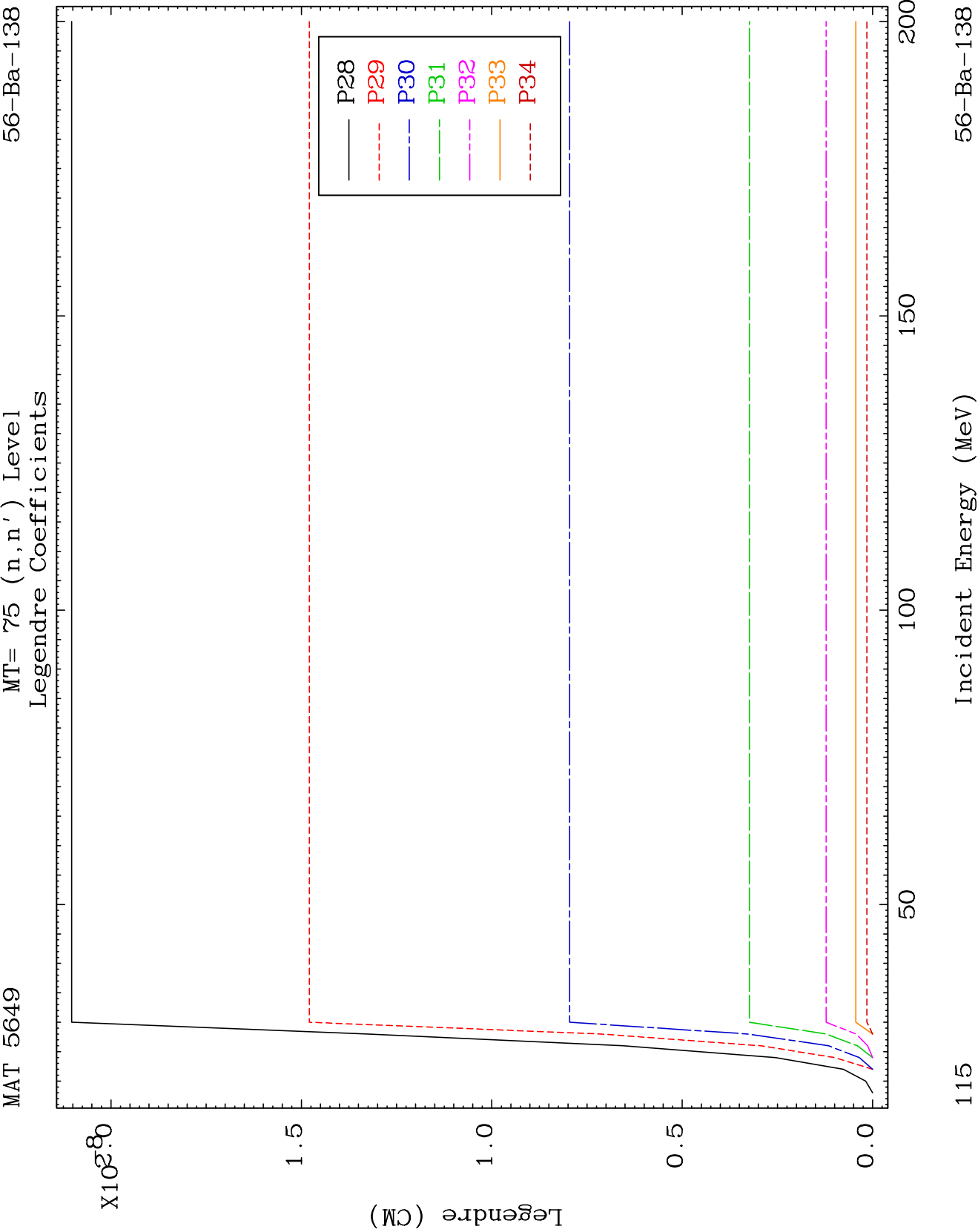


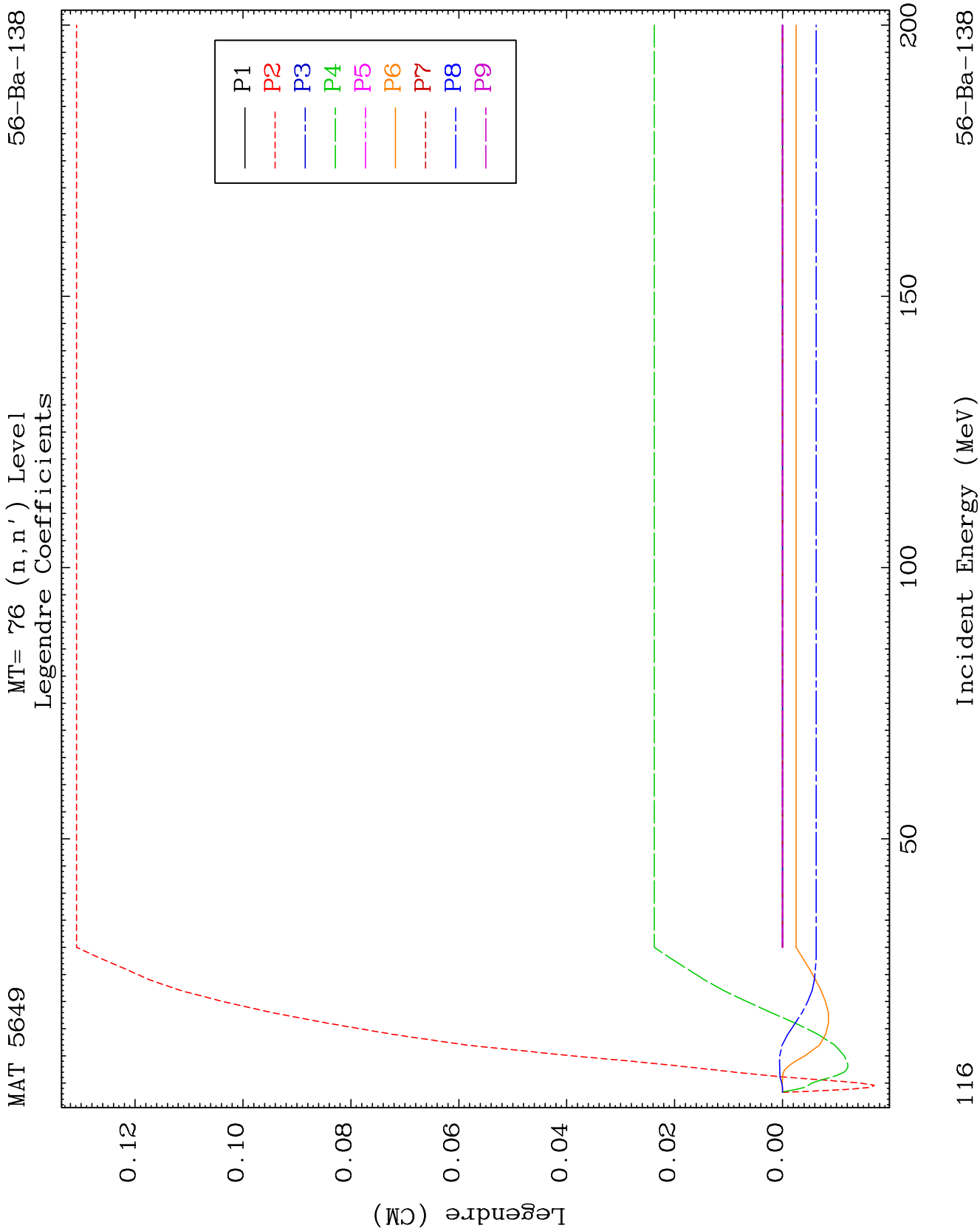
113

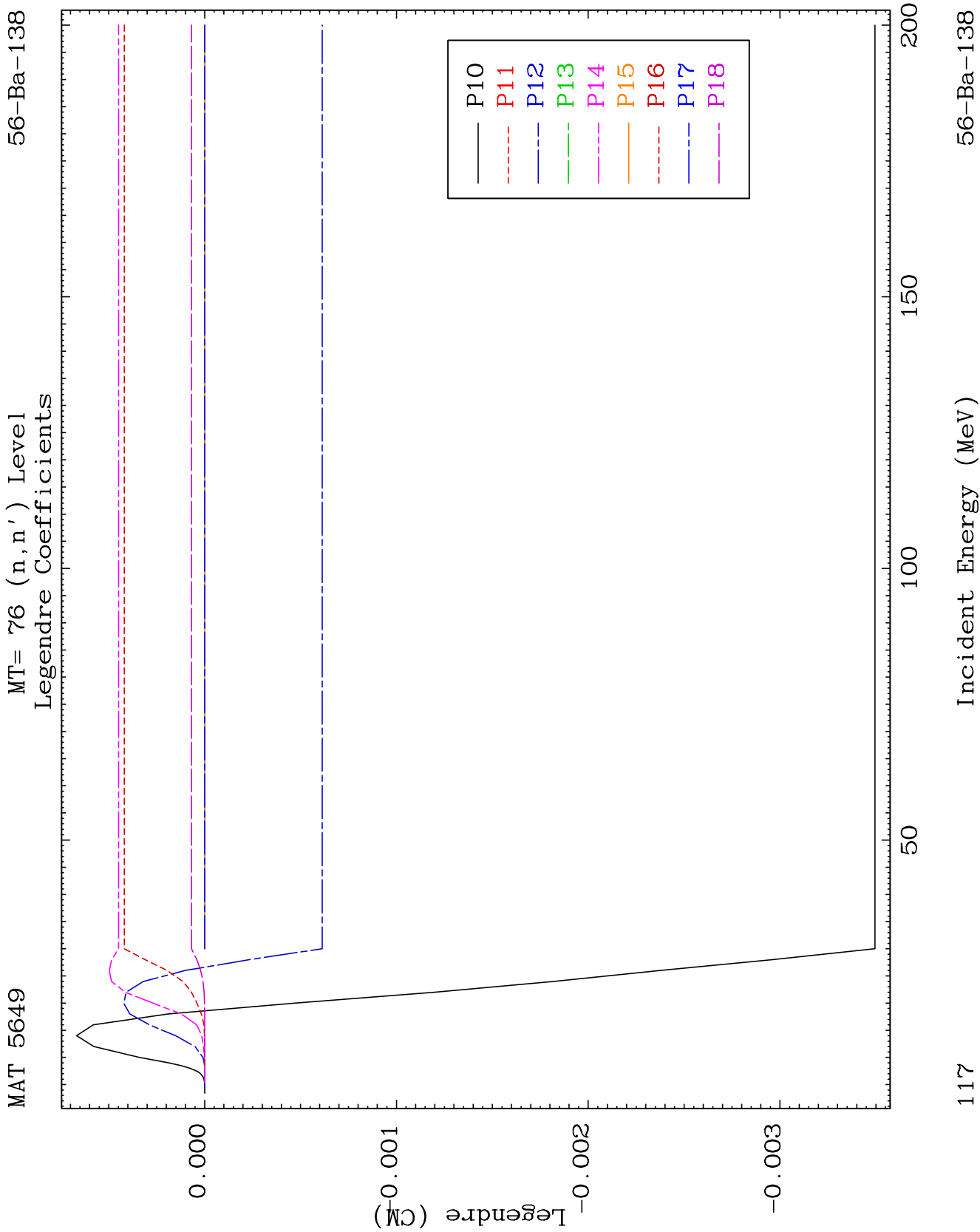
Incident Energy (MeV)

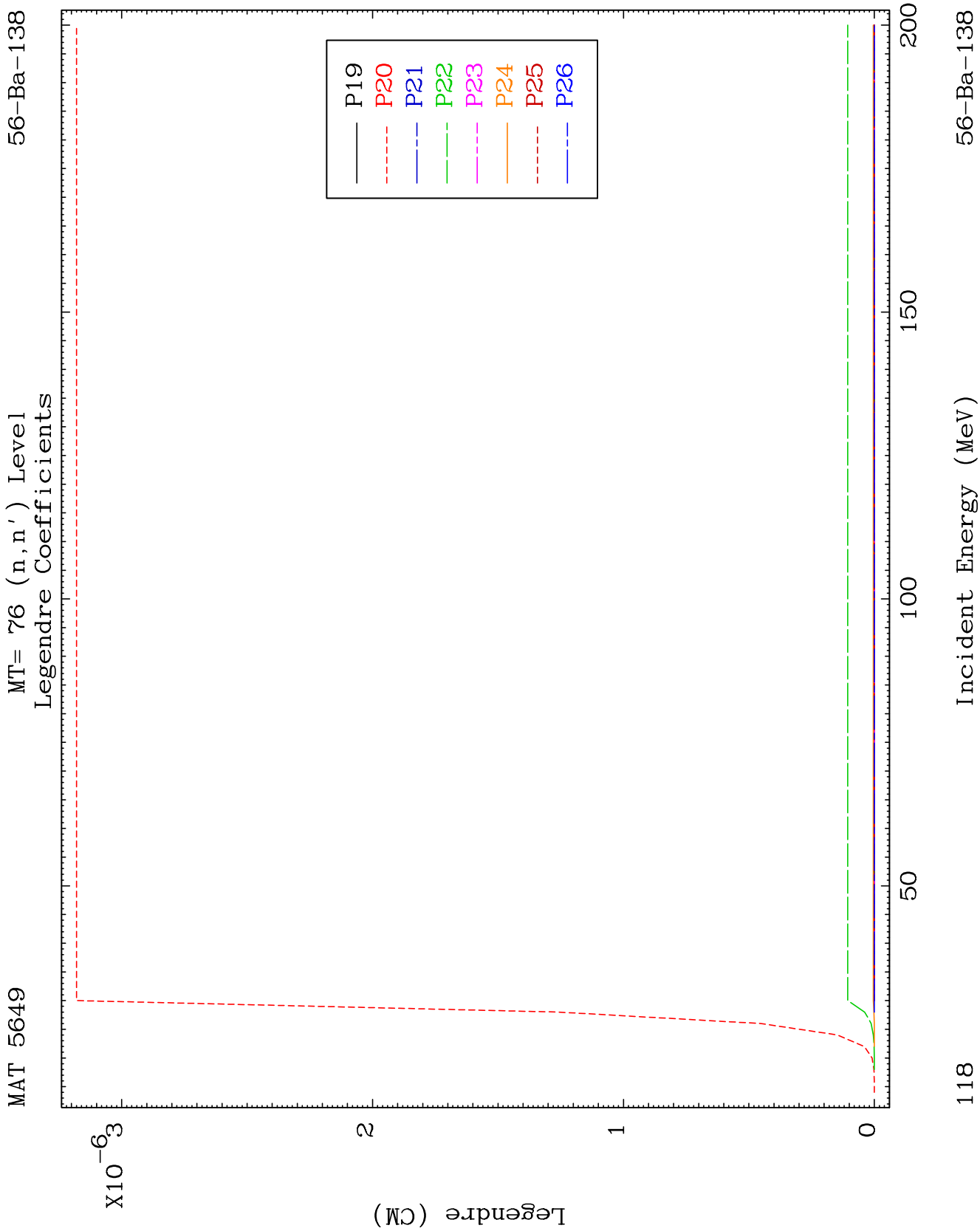
56-Ba-138

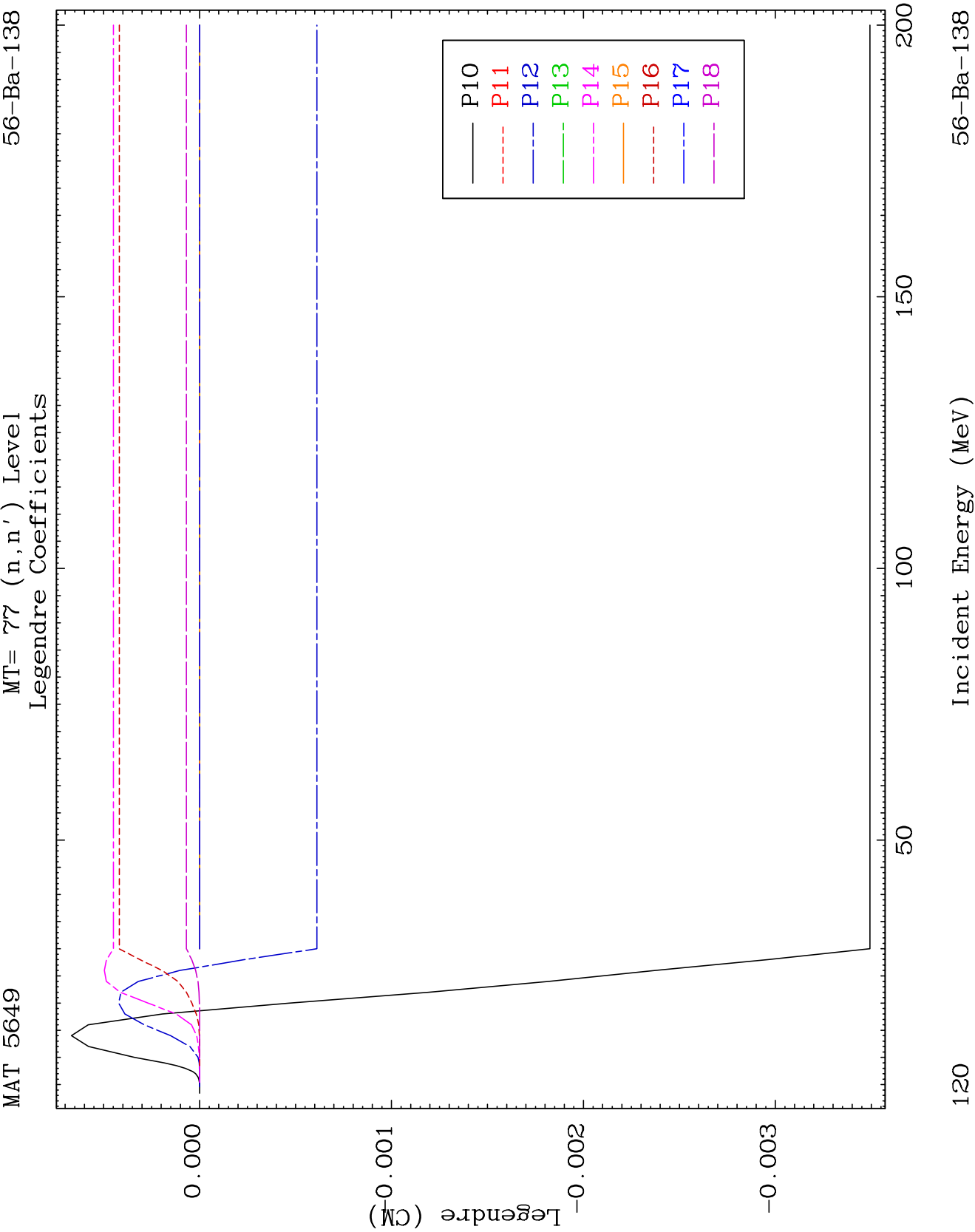


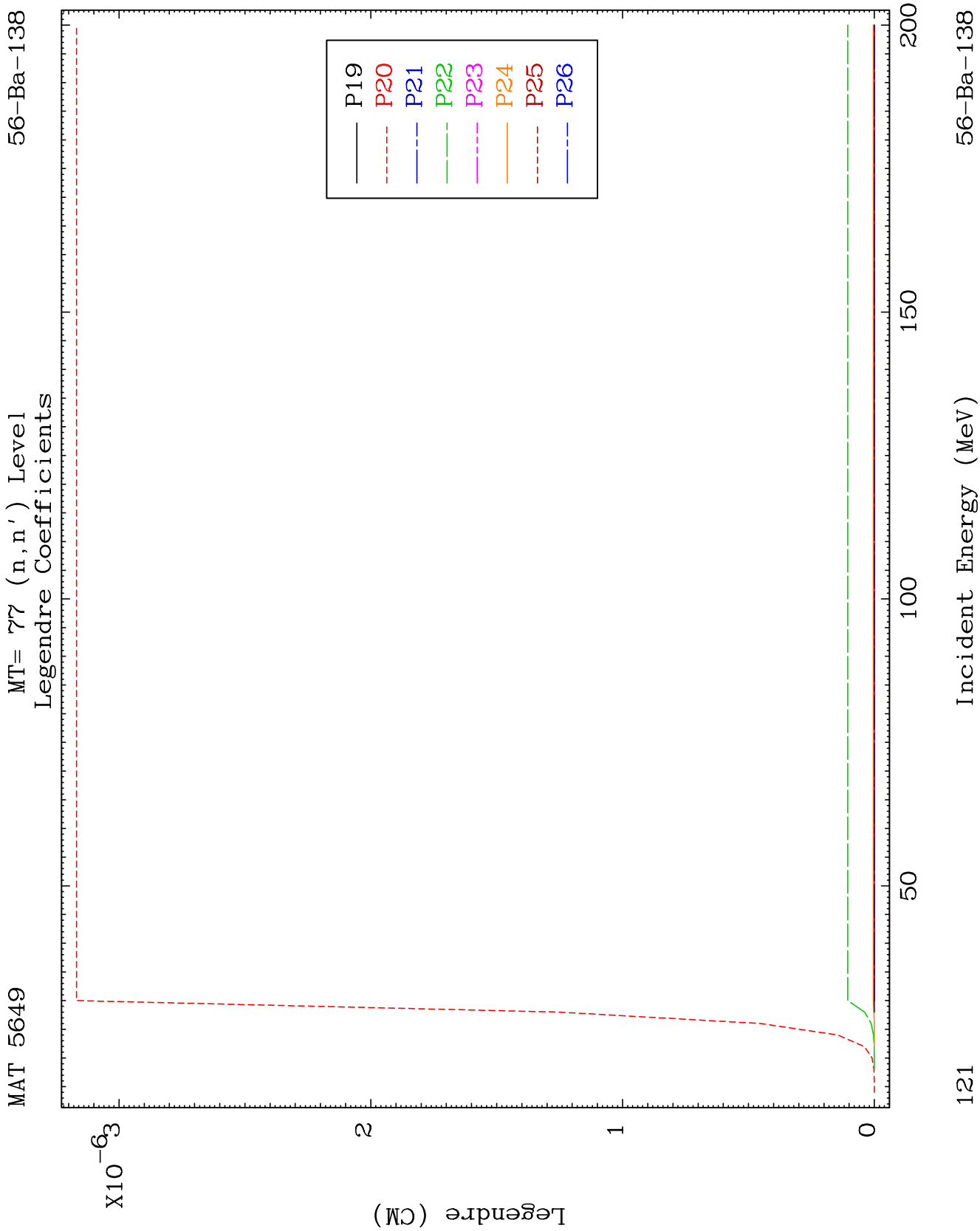








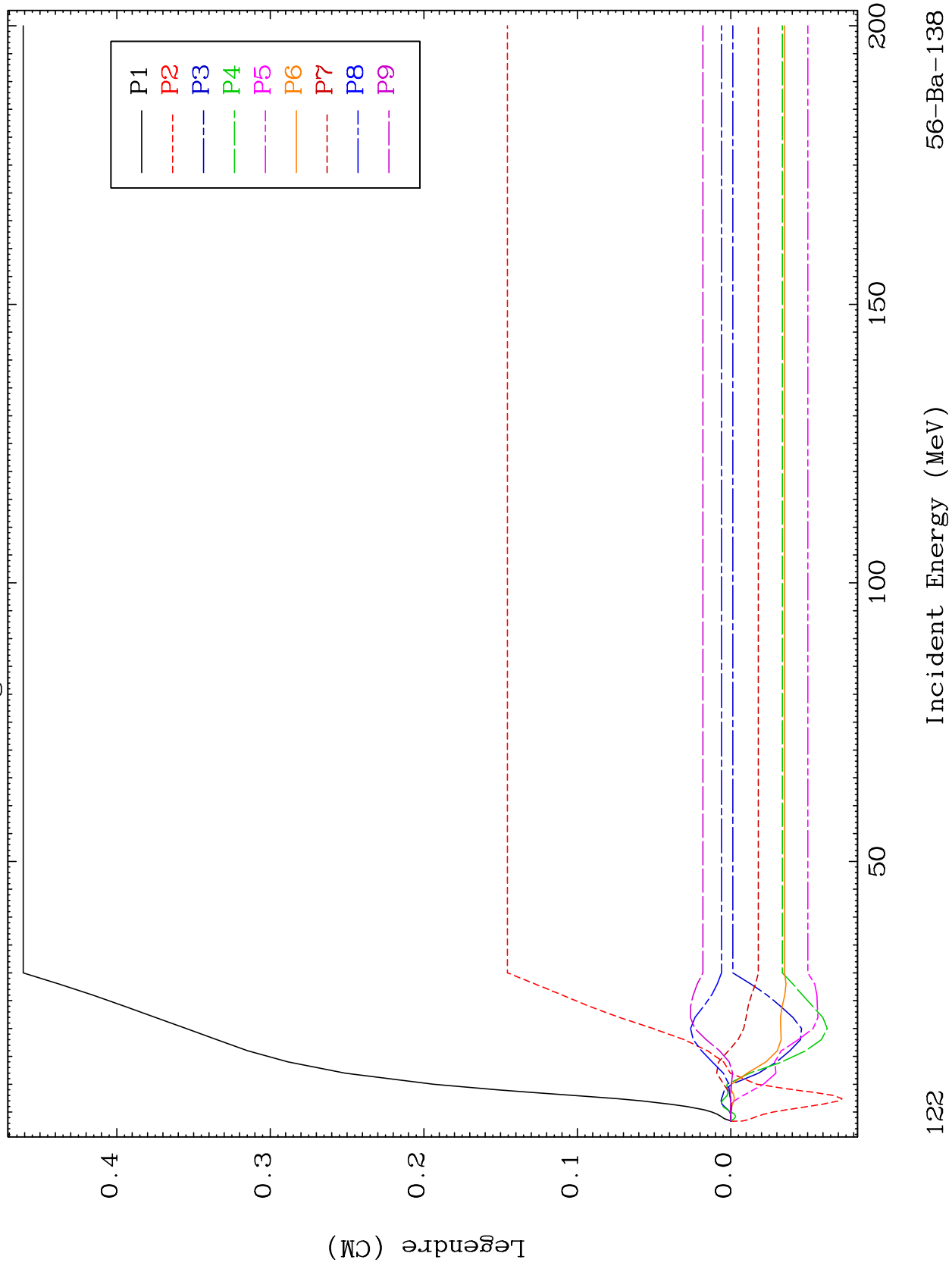


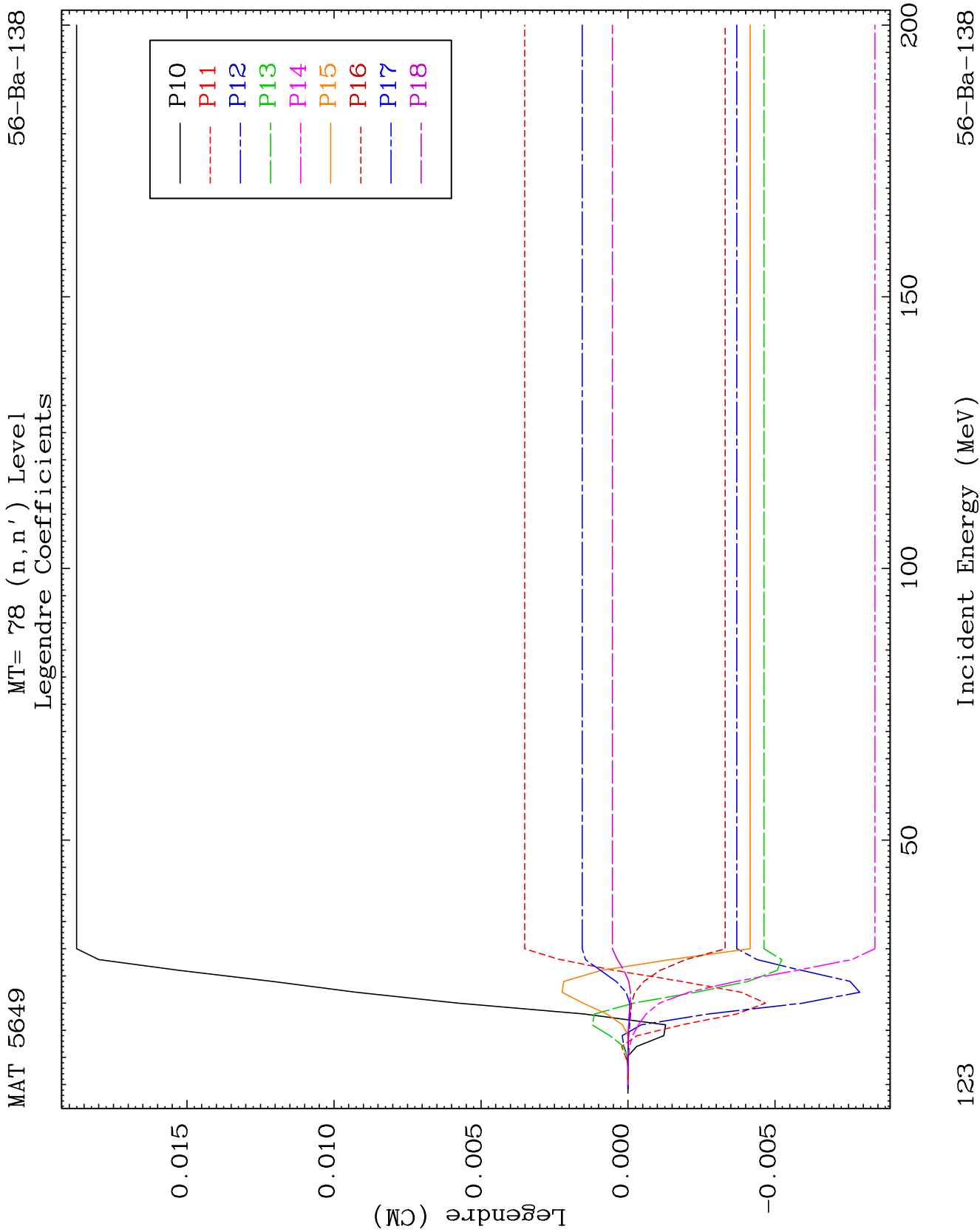


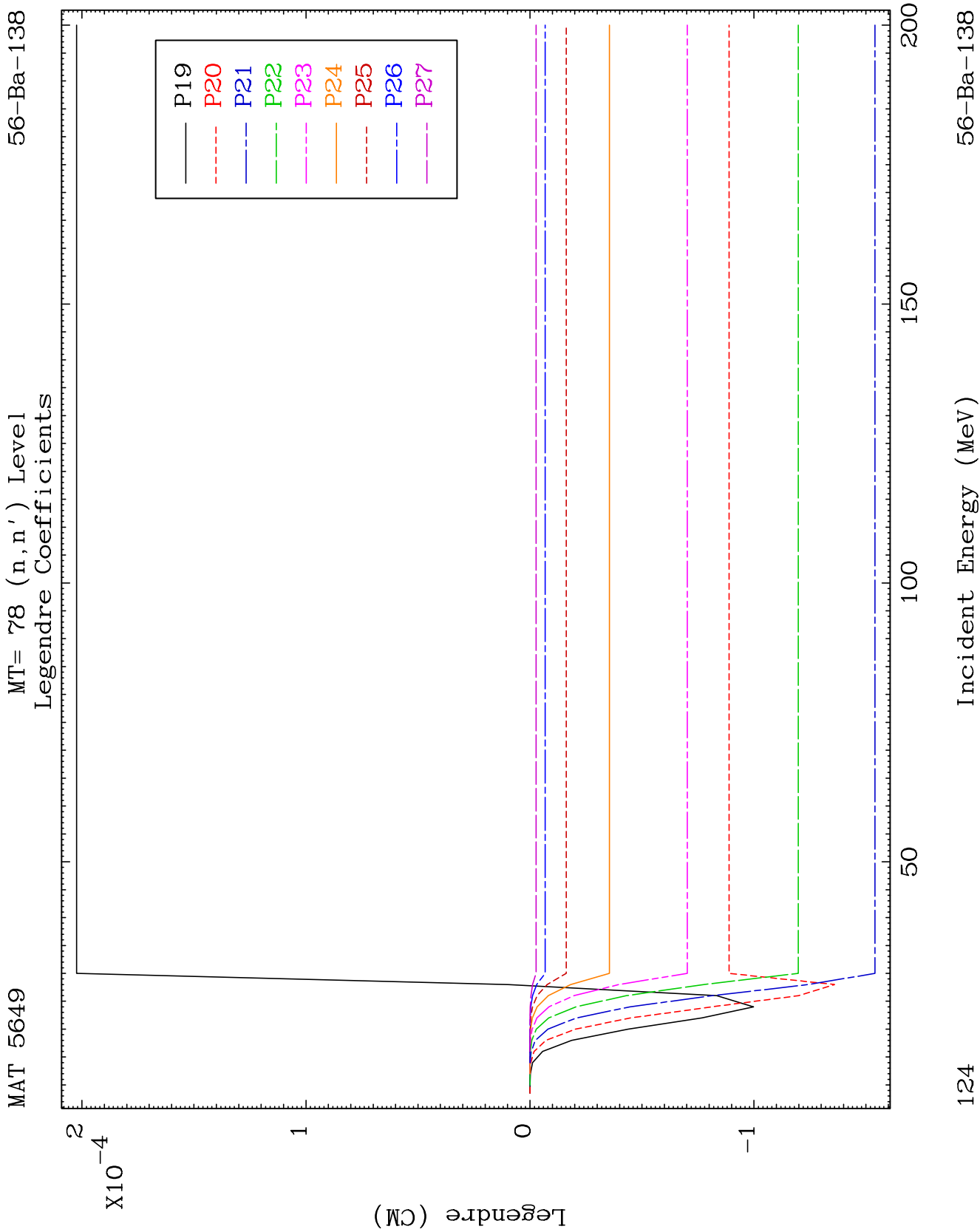
MAT 5649

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

56-Ba-138



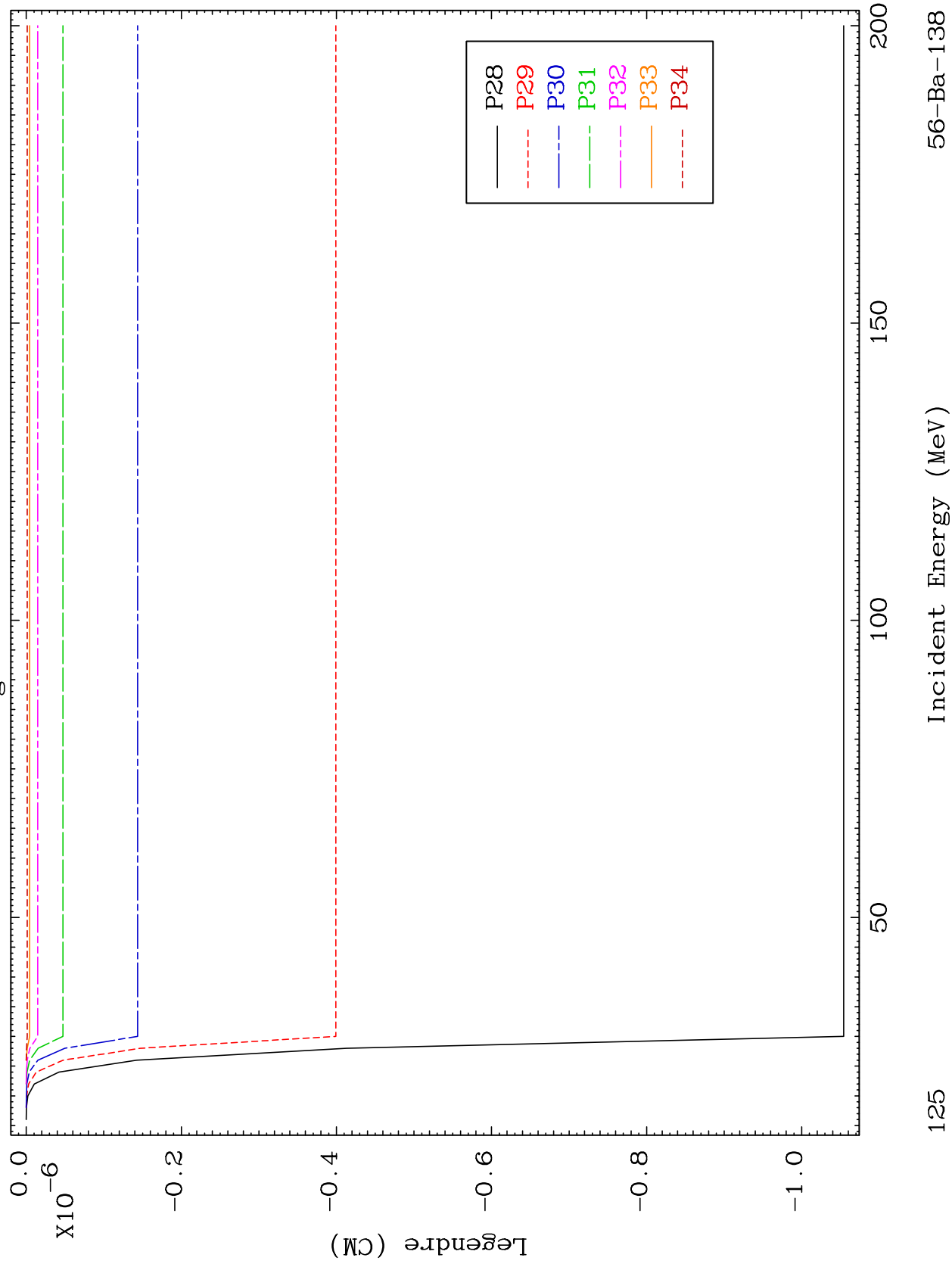


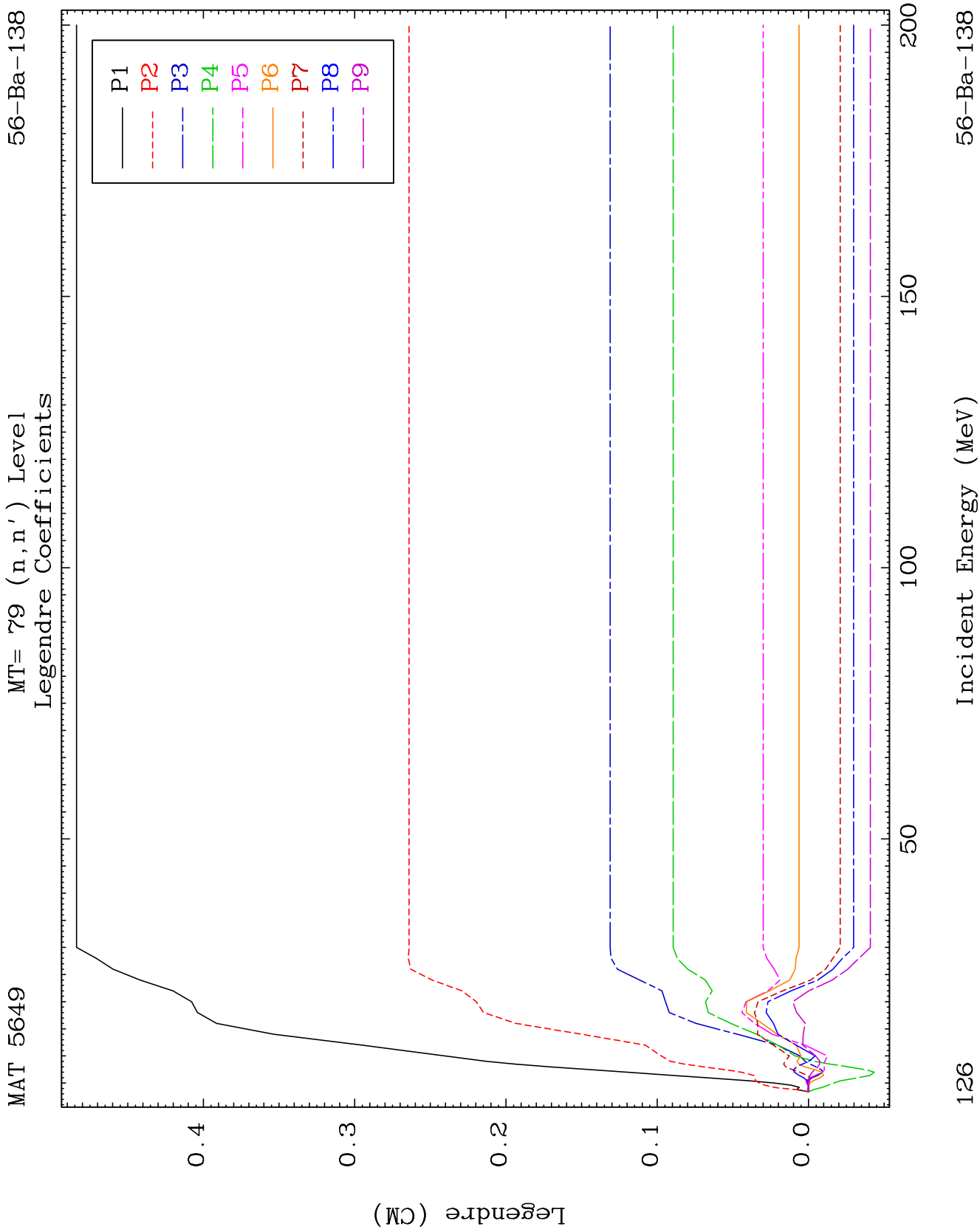


MAT 5649

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

56-Ba-138

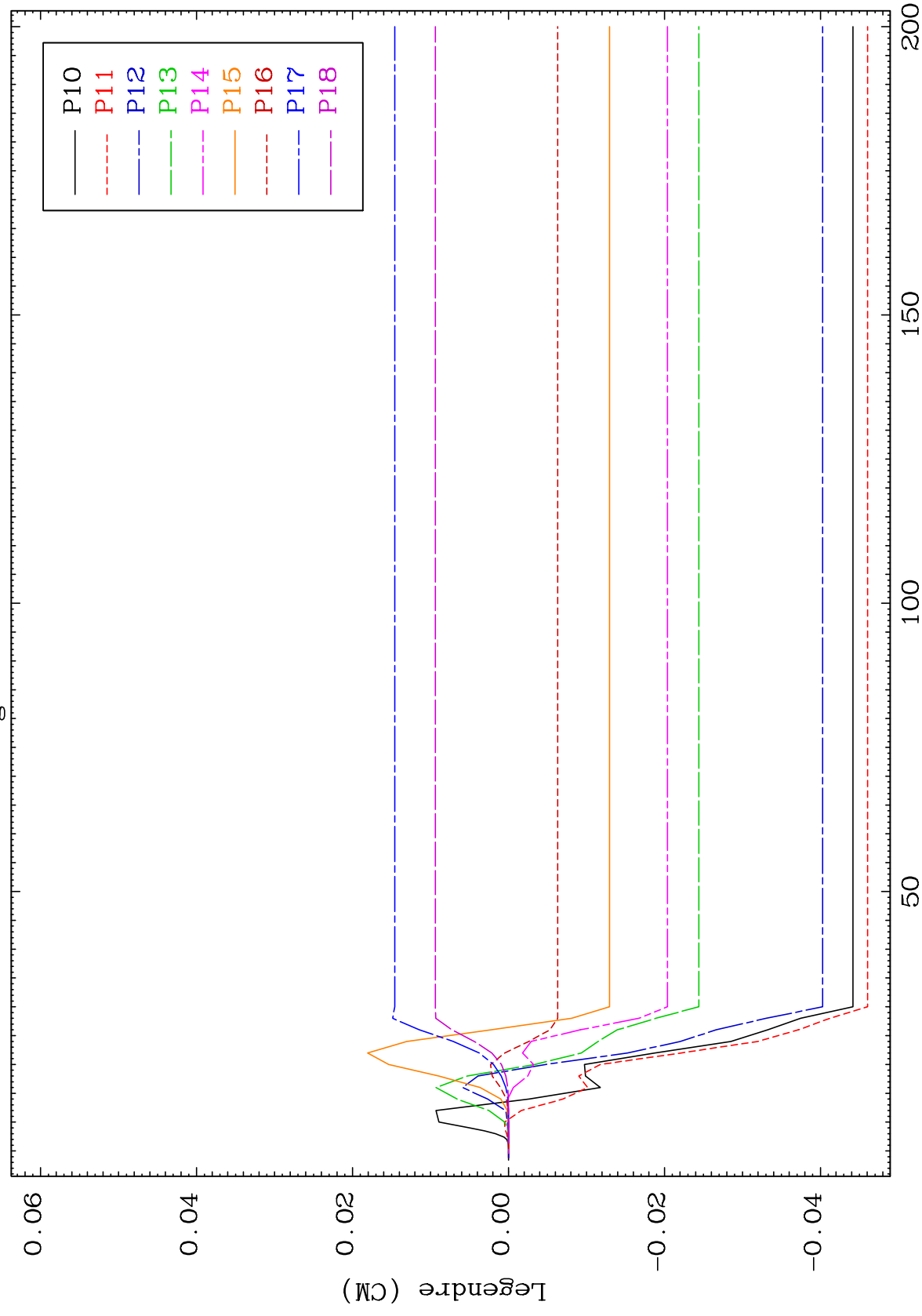




MAT 5649

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

56-Ba-138



127

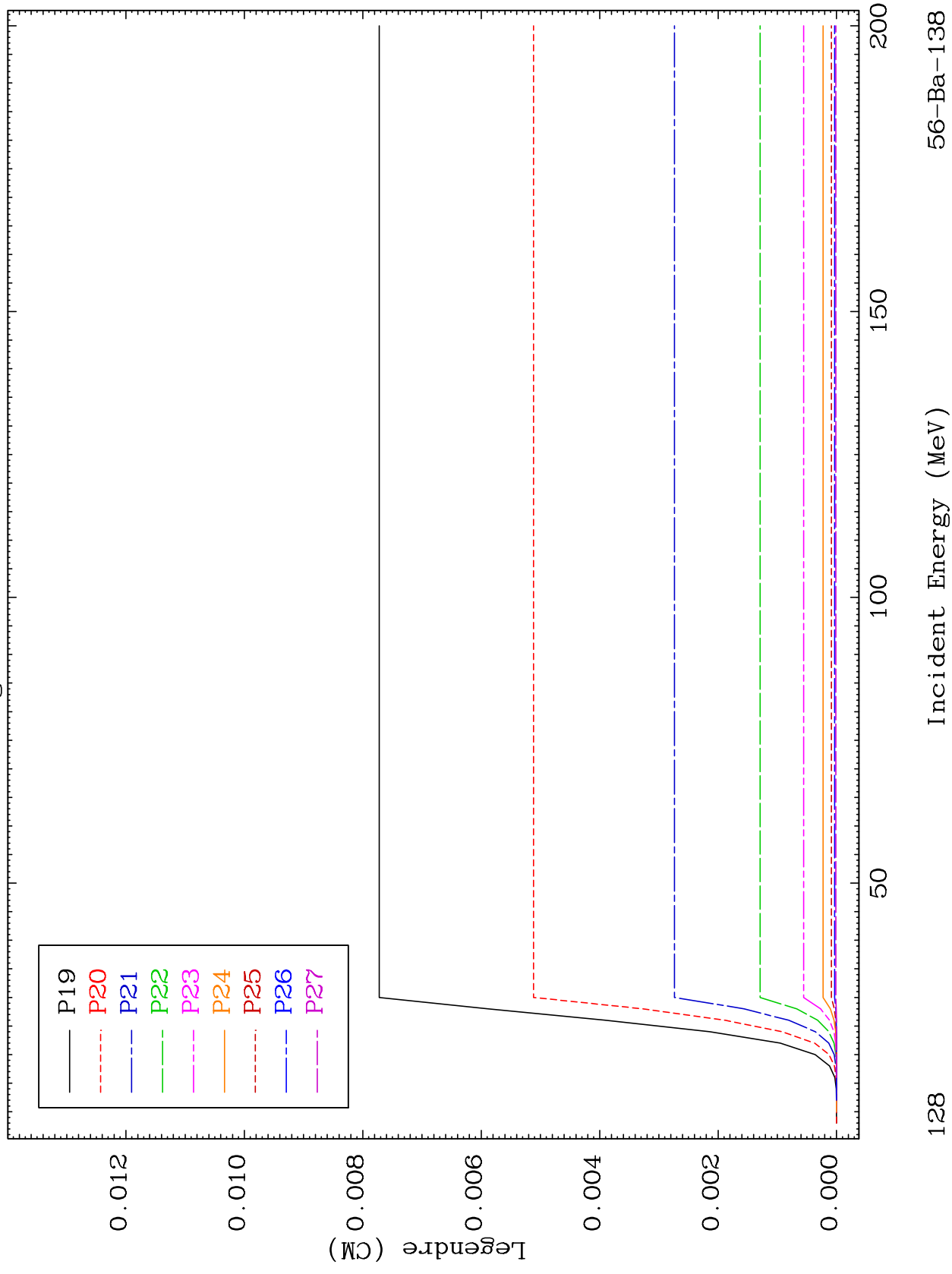
Incident Energy (MeV)

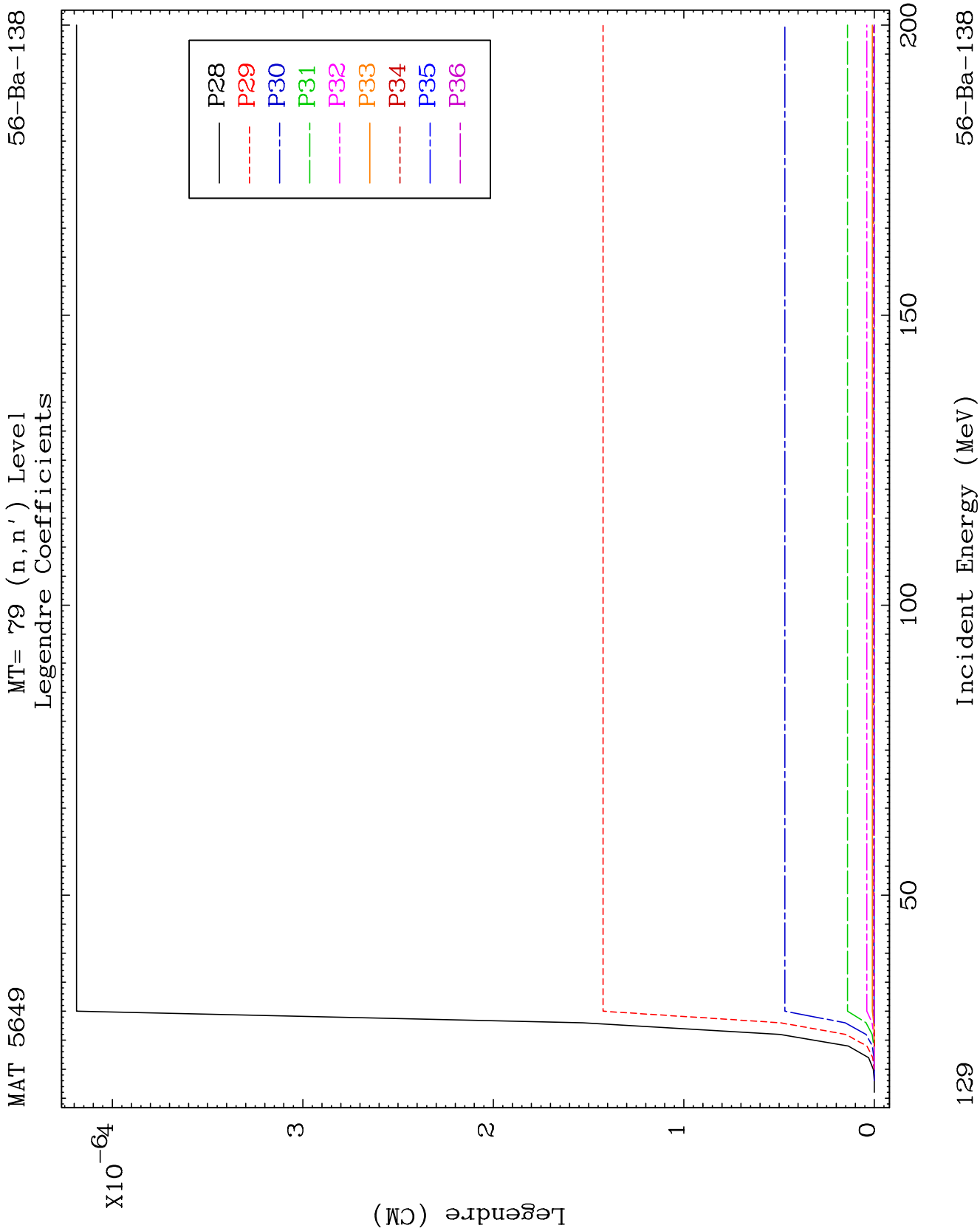
56-Ba-138

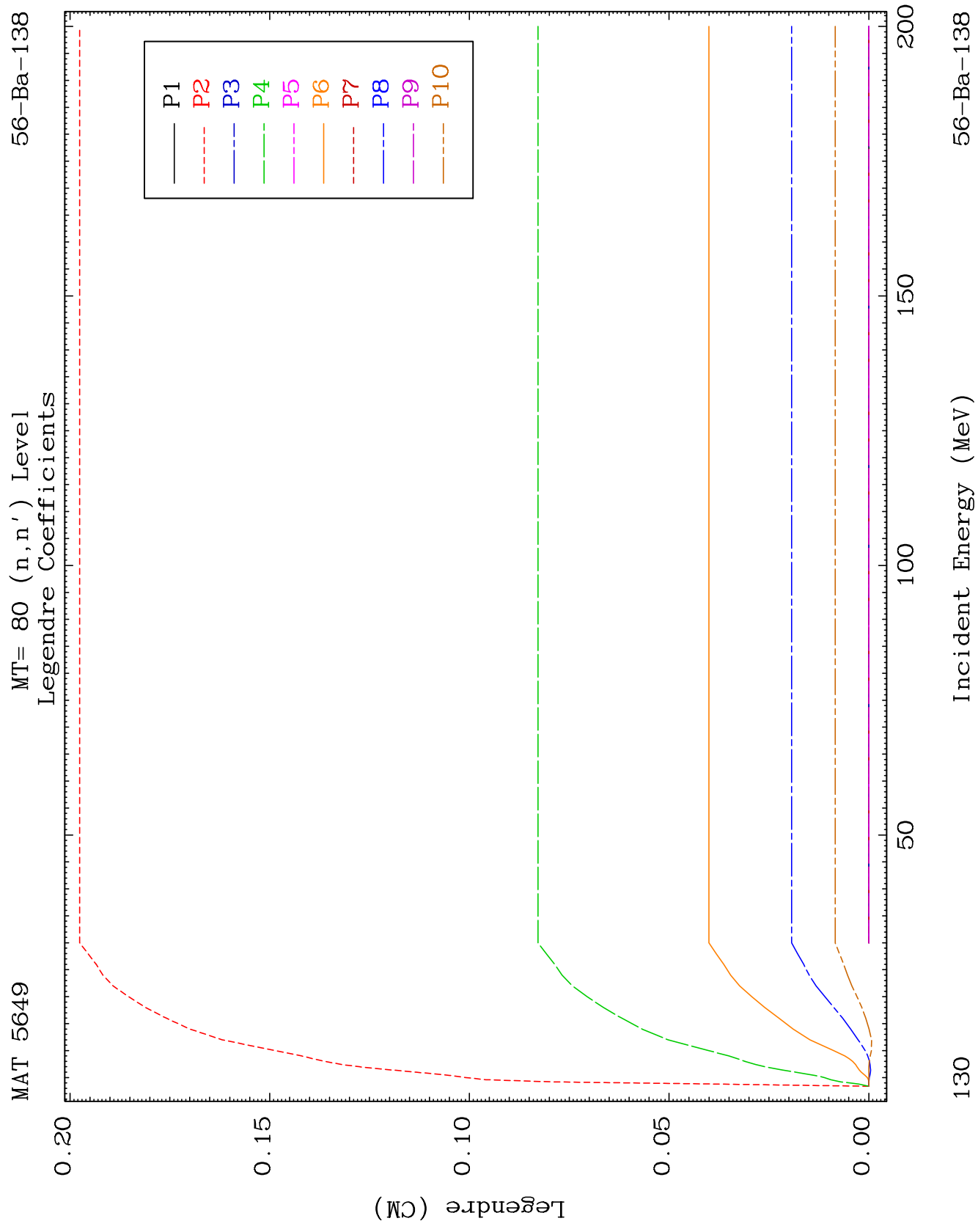
MAT 5649

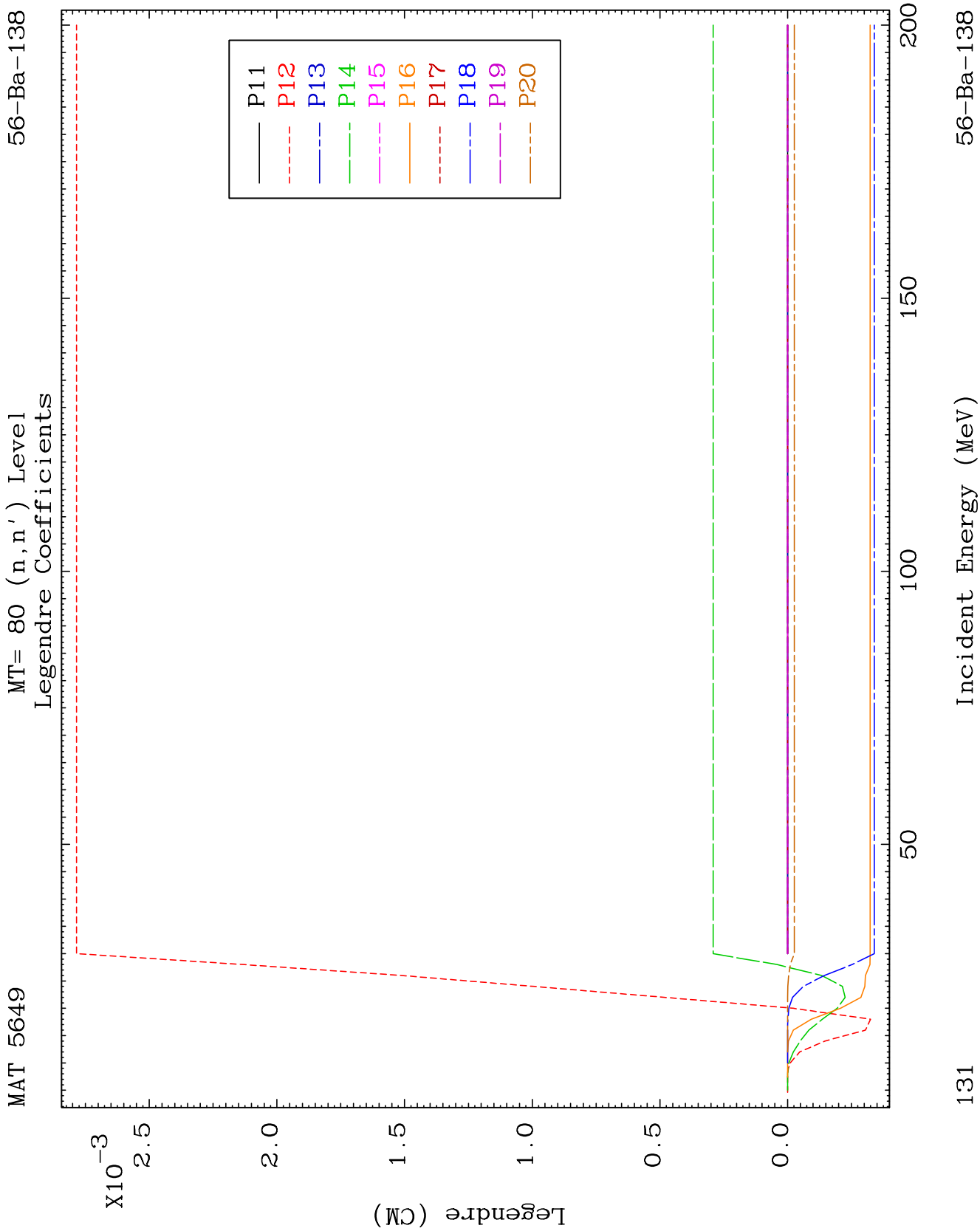
MT= 79 (n, n') Level
Legendre Coefficients

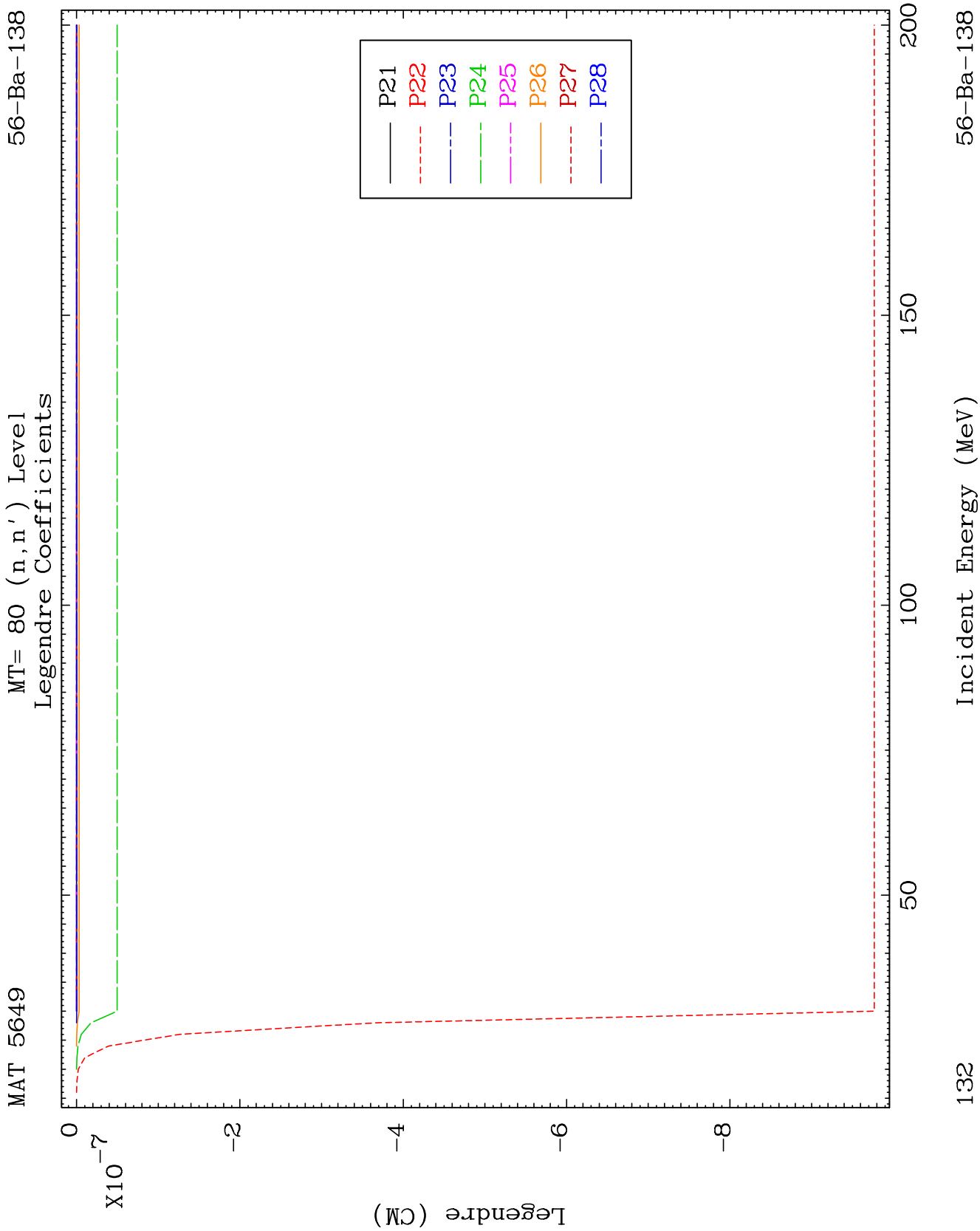
56-Ba-138

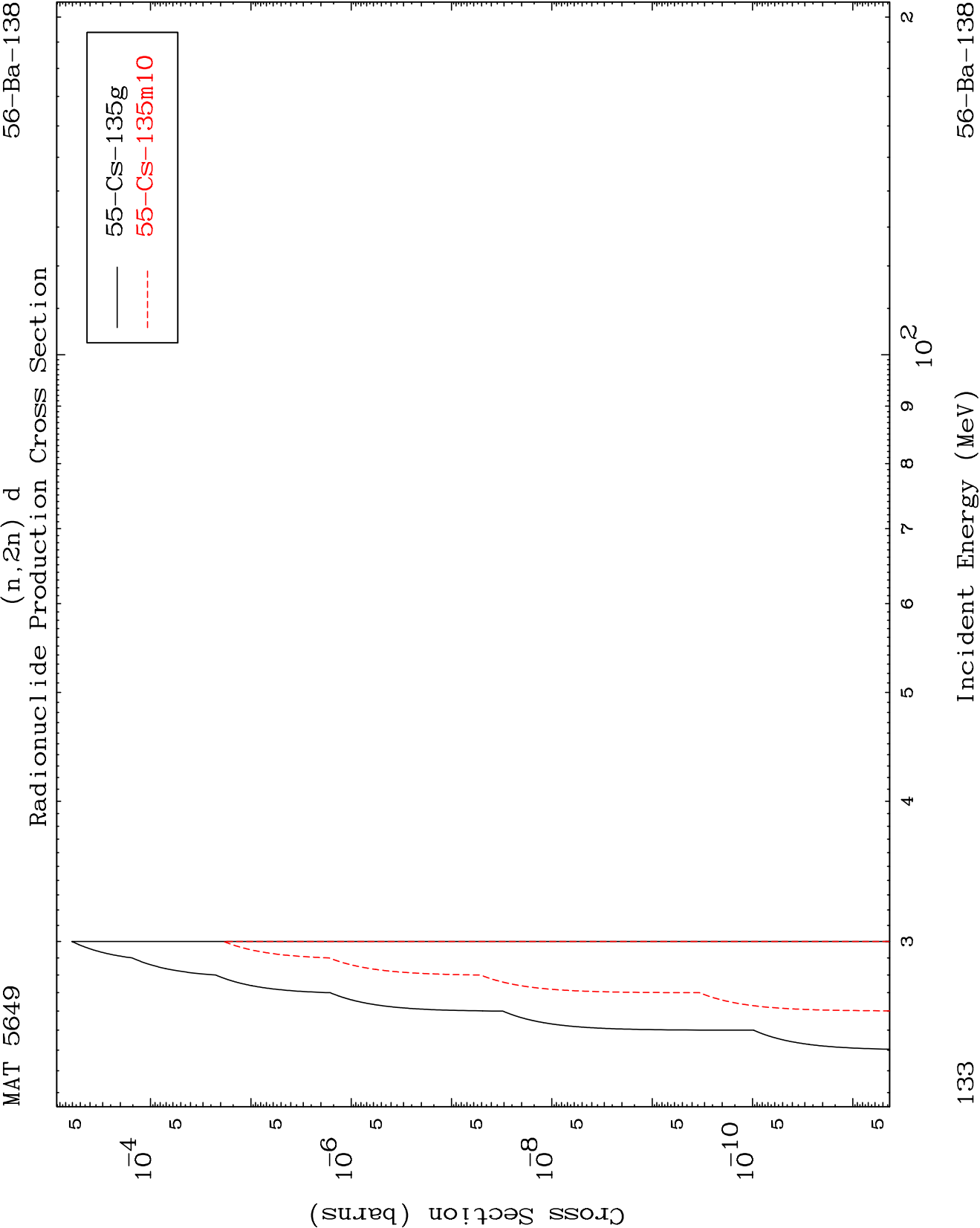


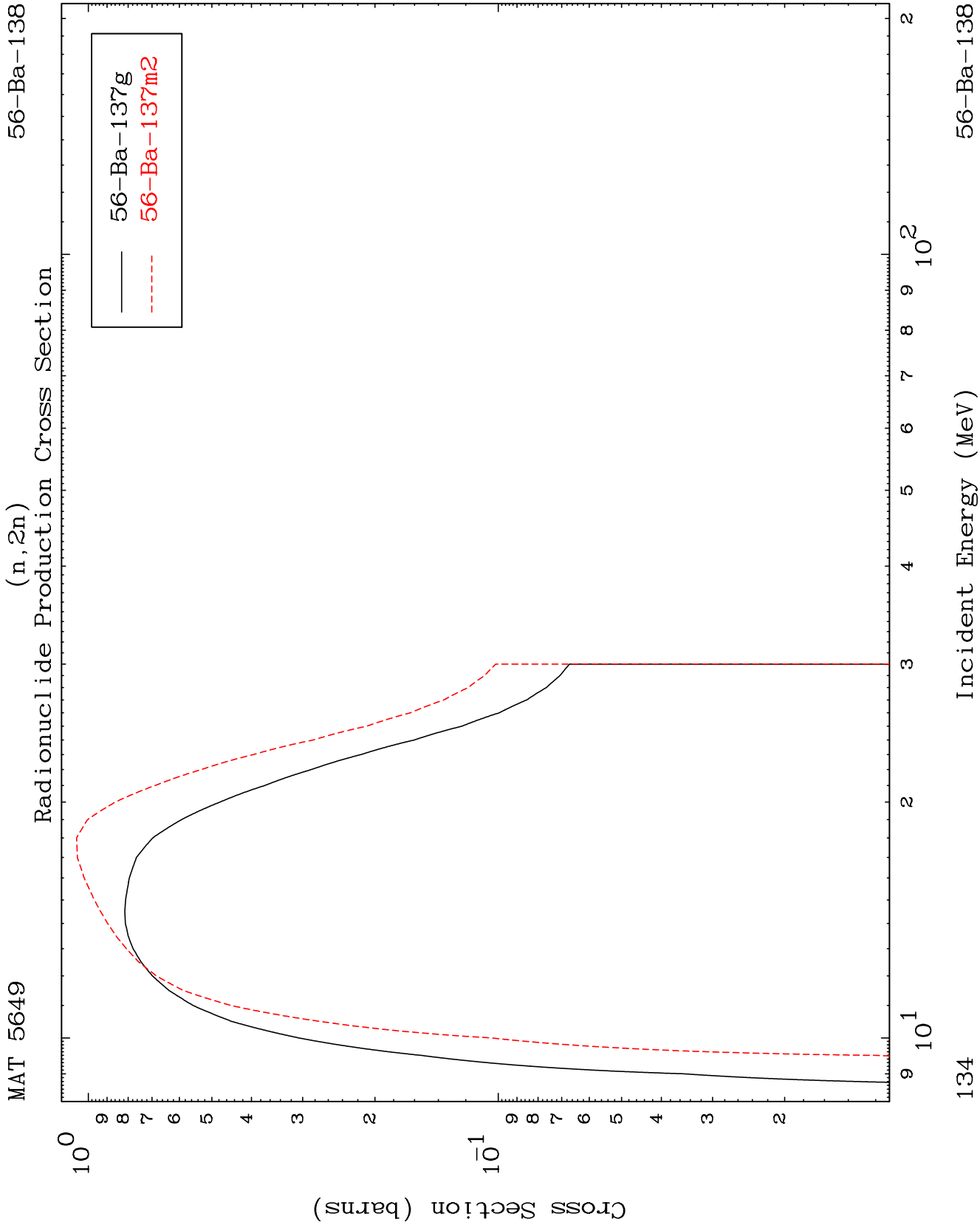








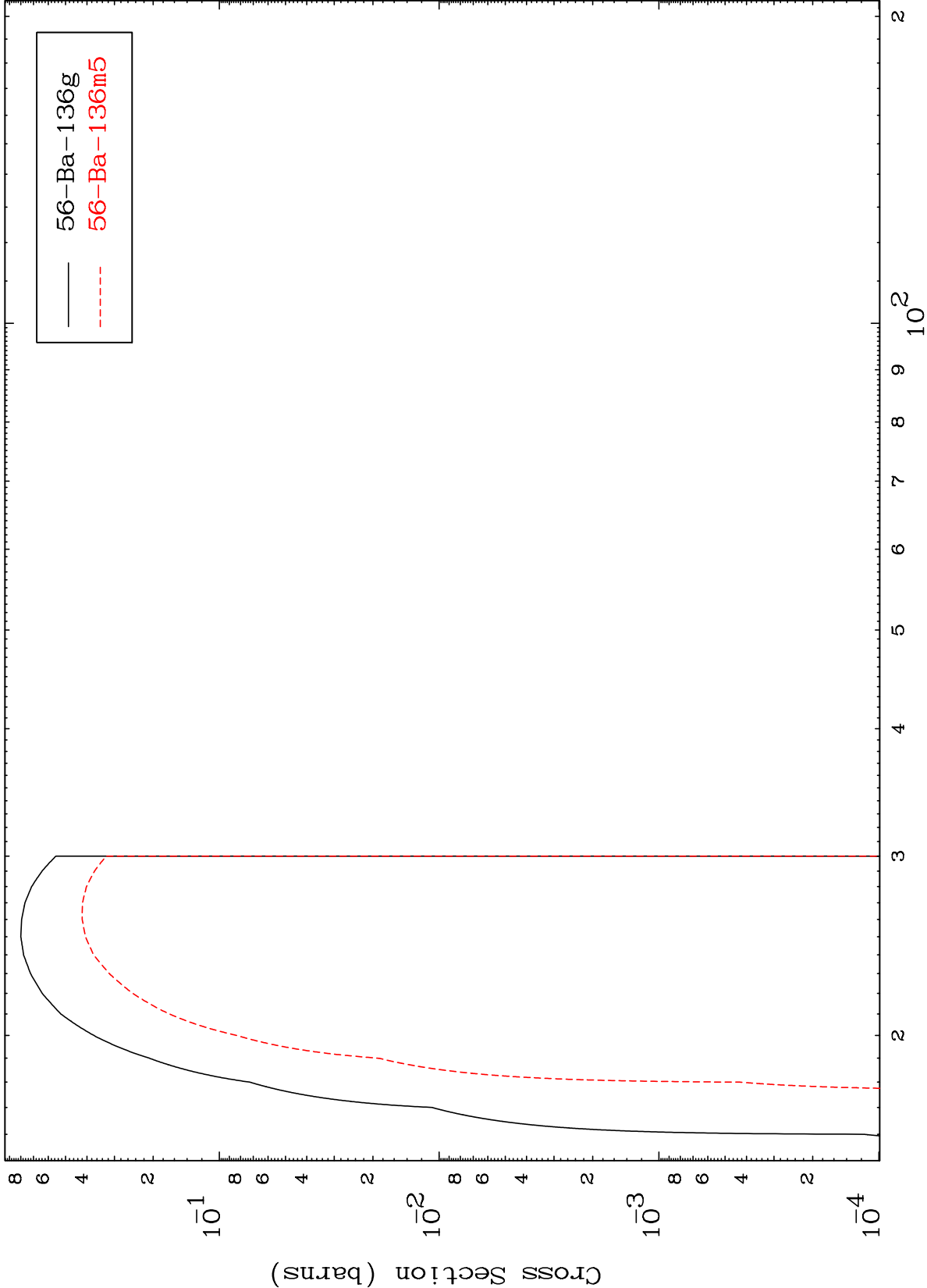




MAT 5649

56-Ba-138

(n,3n)
Radionuclide Production Cross Section



135

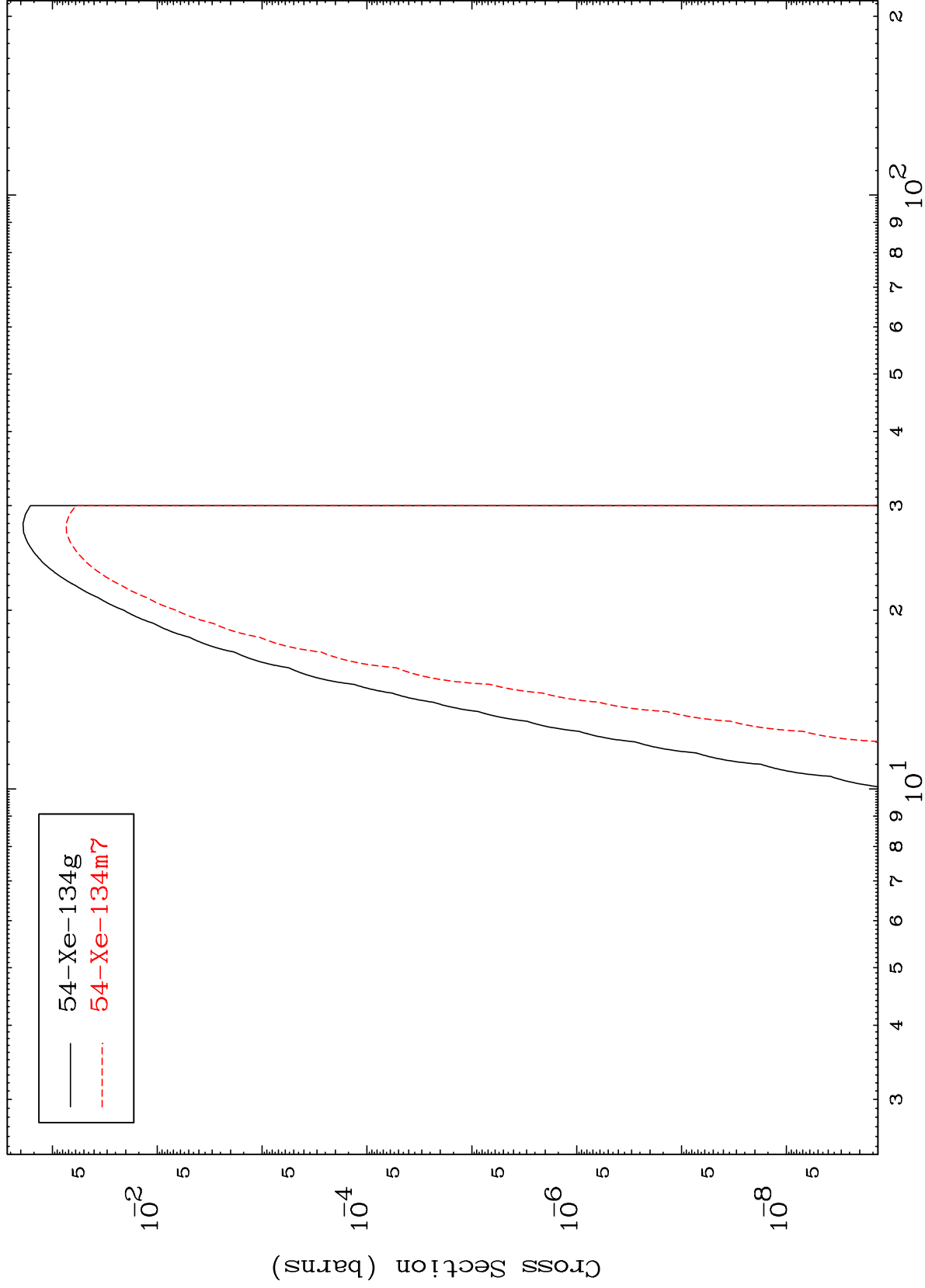
Incident Energy (MeV)

56-Ba-138

MAT 5649

56-Ba-138

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



136

Incident Energy (MeV)

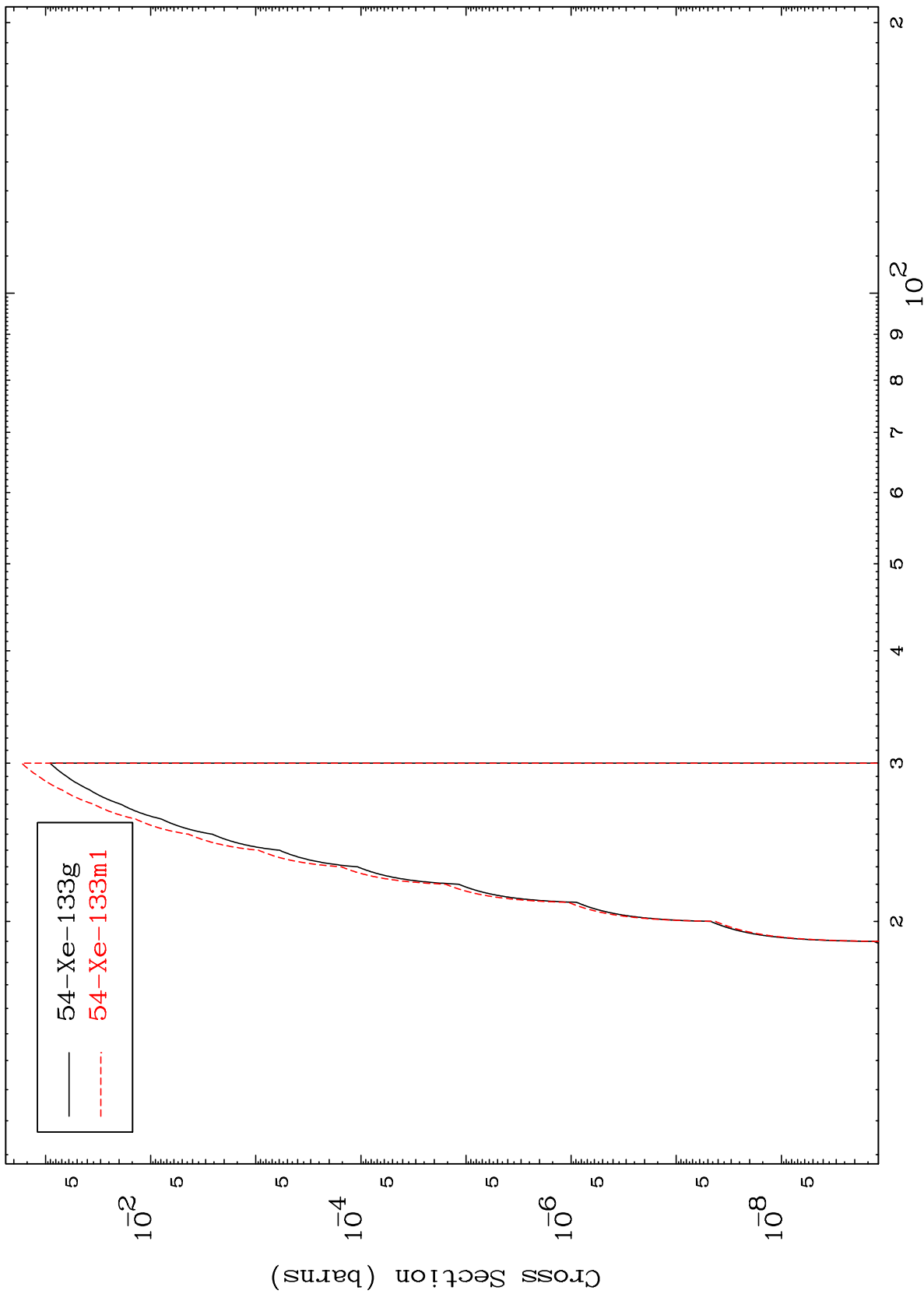
56-Ba-138

MAT 5649

56-Ba-138

(n,2n) α

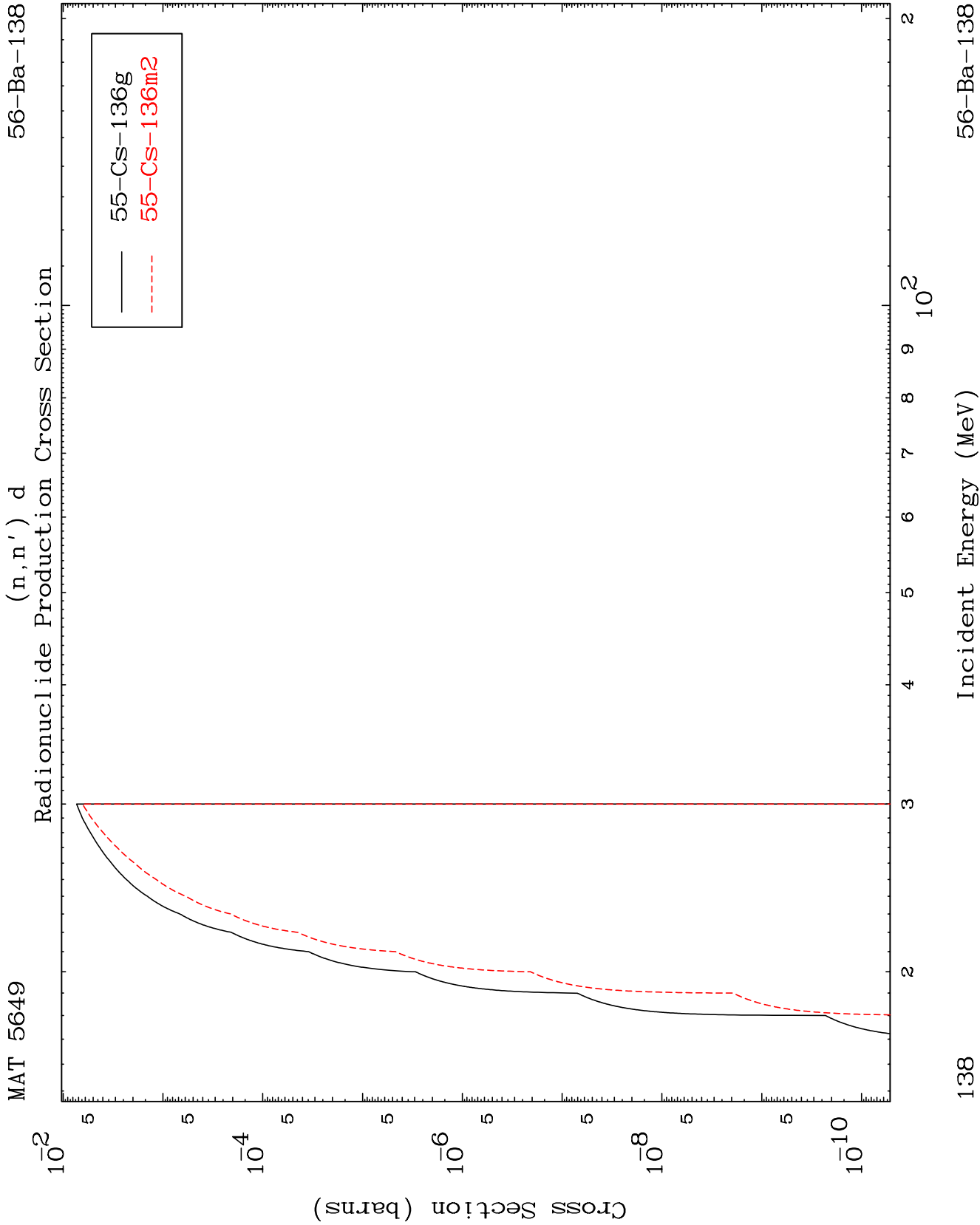
Radionuclide Production Cross Section



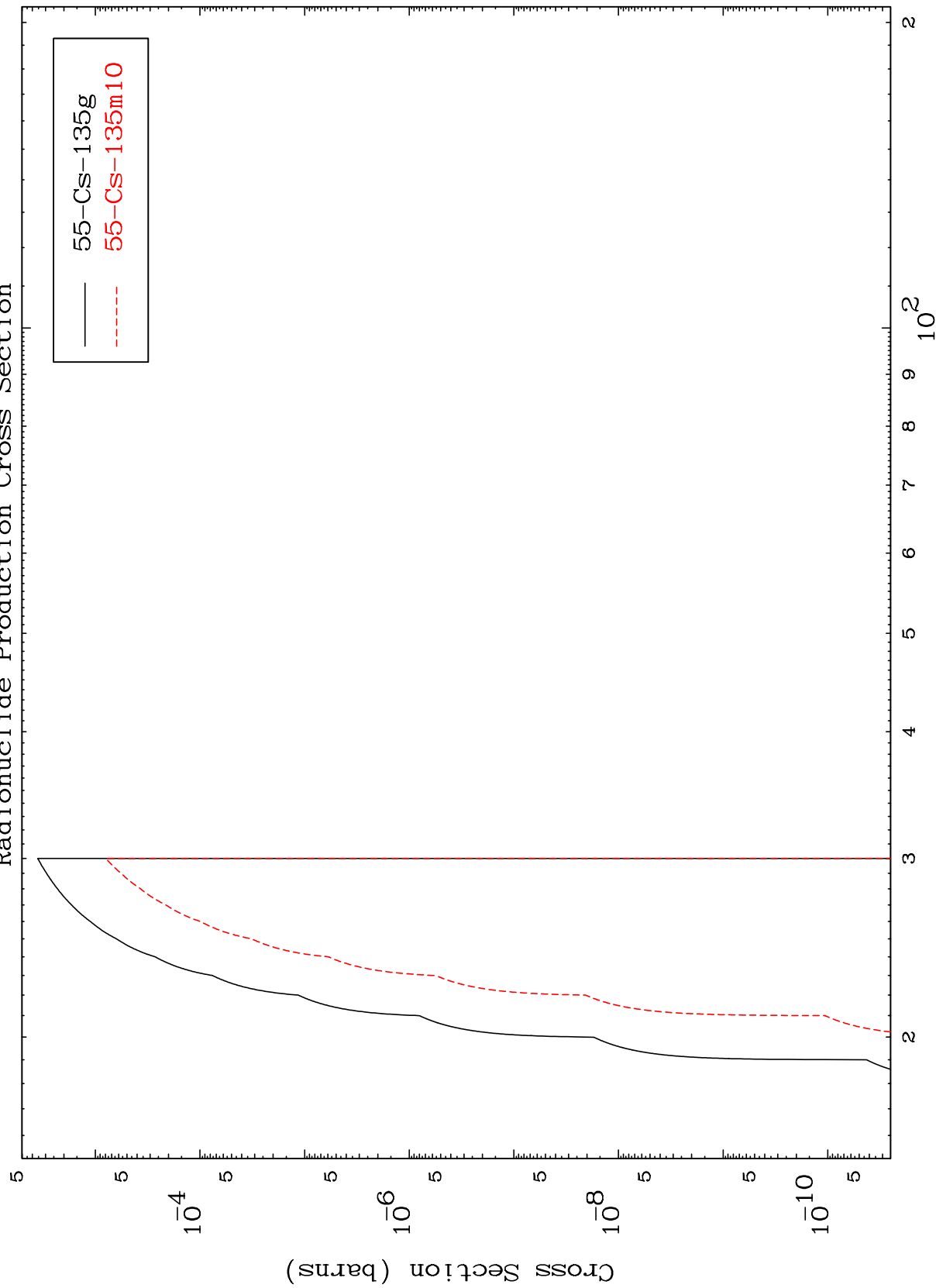
137

Incident Energy (MeV)

56-Ba-138



Radionuclide Production Cross Section

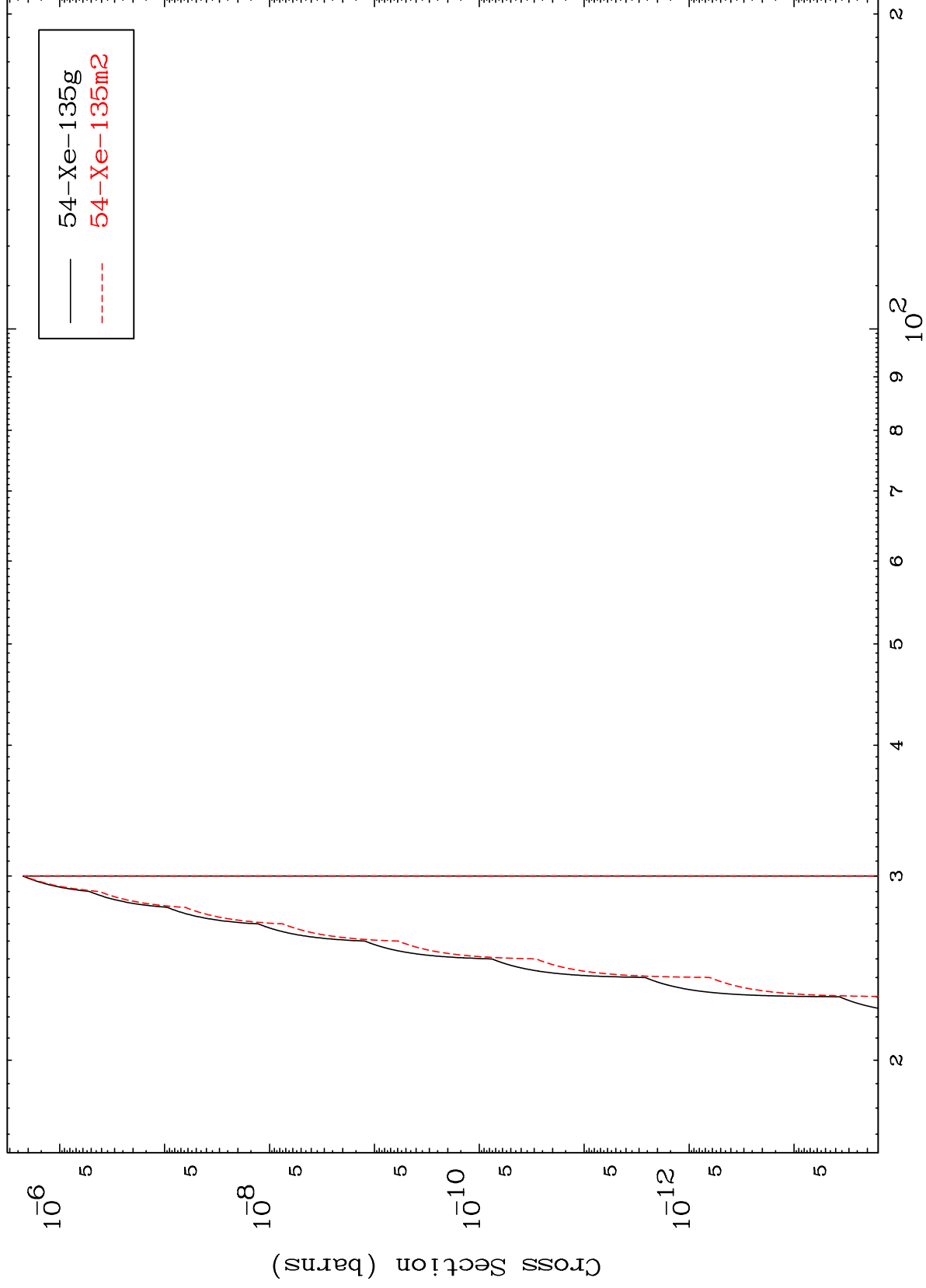


MAT 5649

(n,n') He-3

56-Ba-138

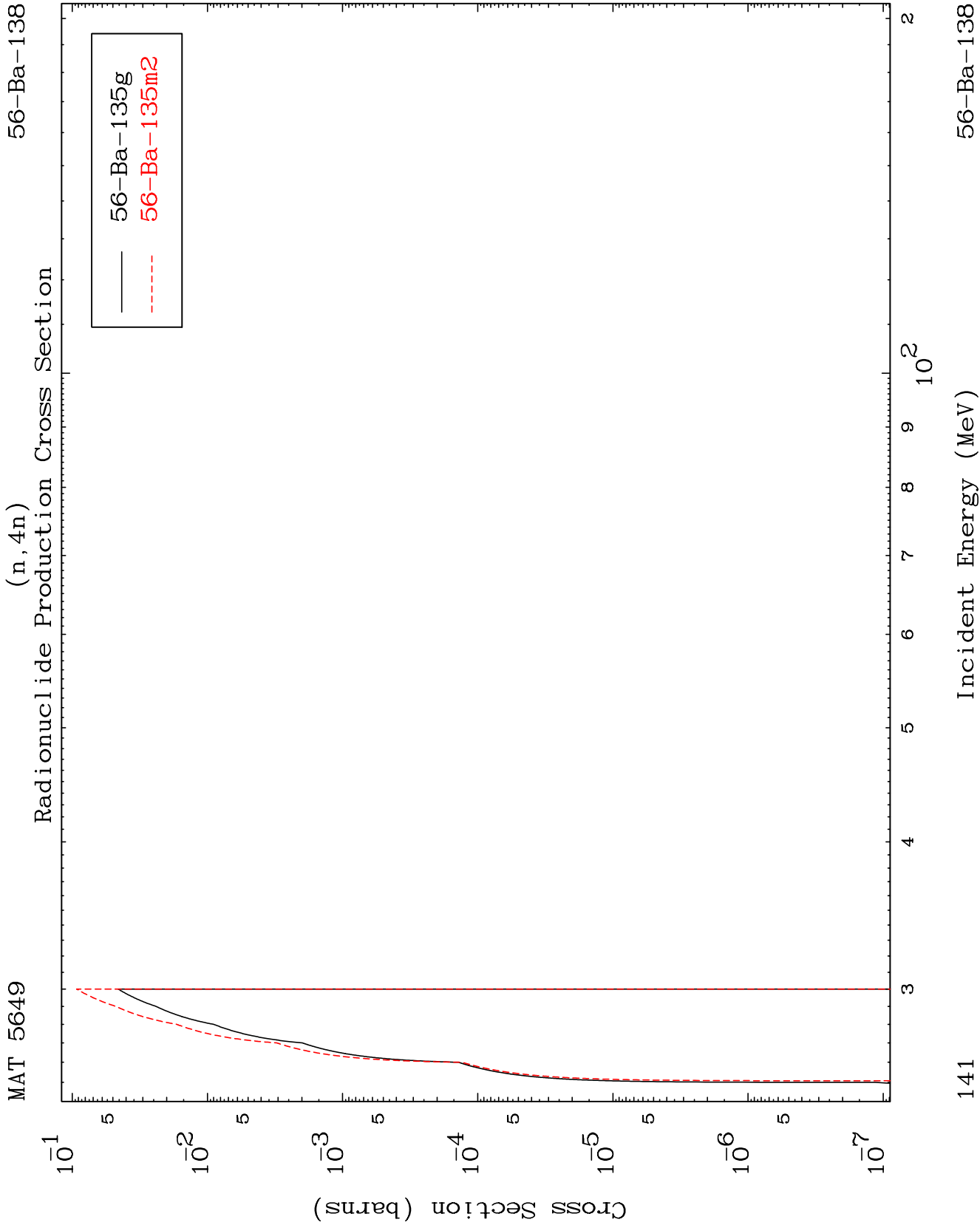
Radionuclide Production Cross Section

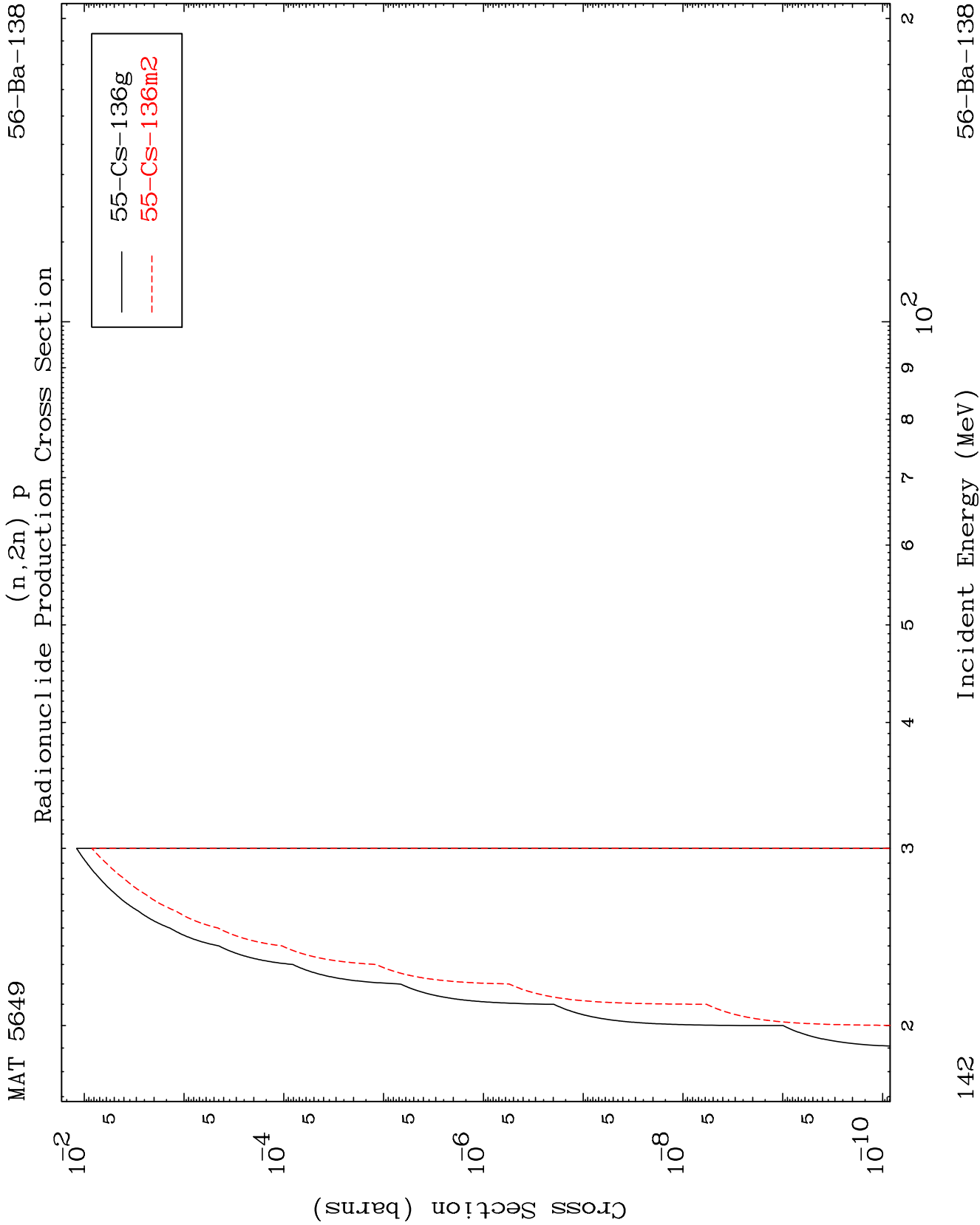


140

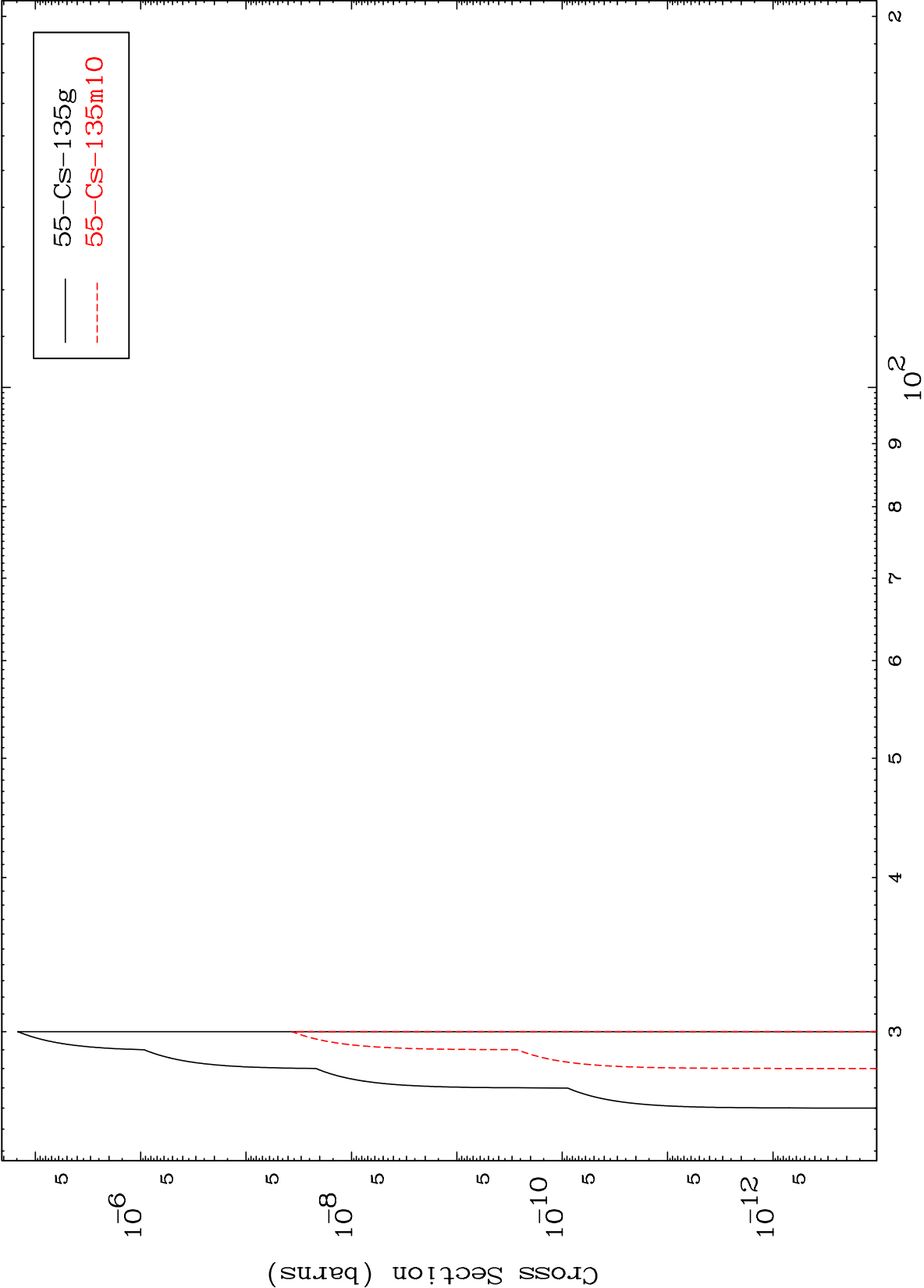
Incident Energy (MeV)

56-Ba-138

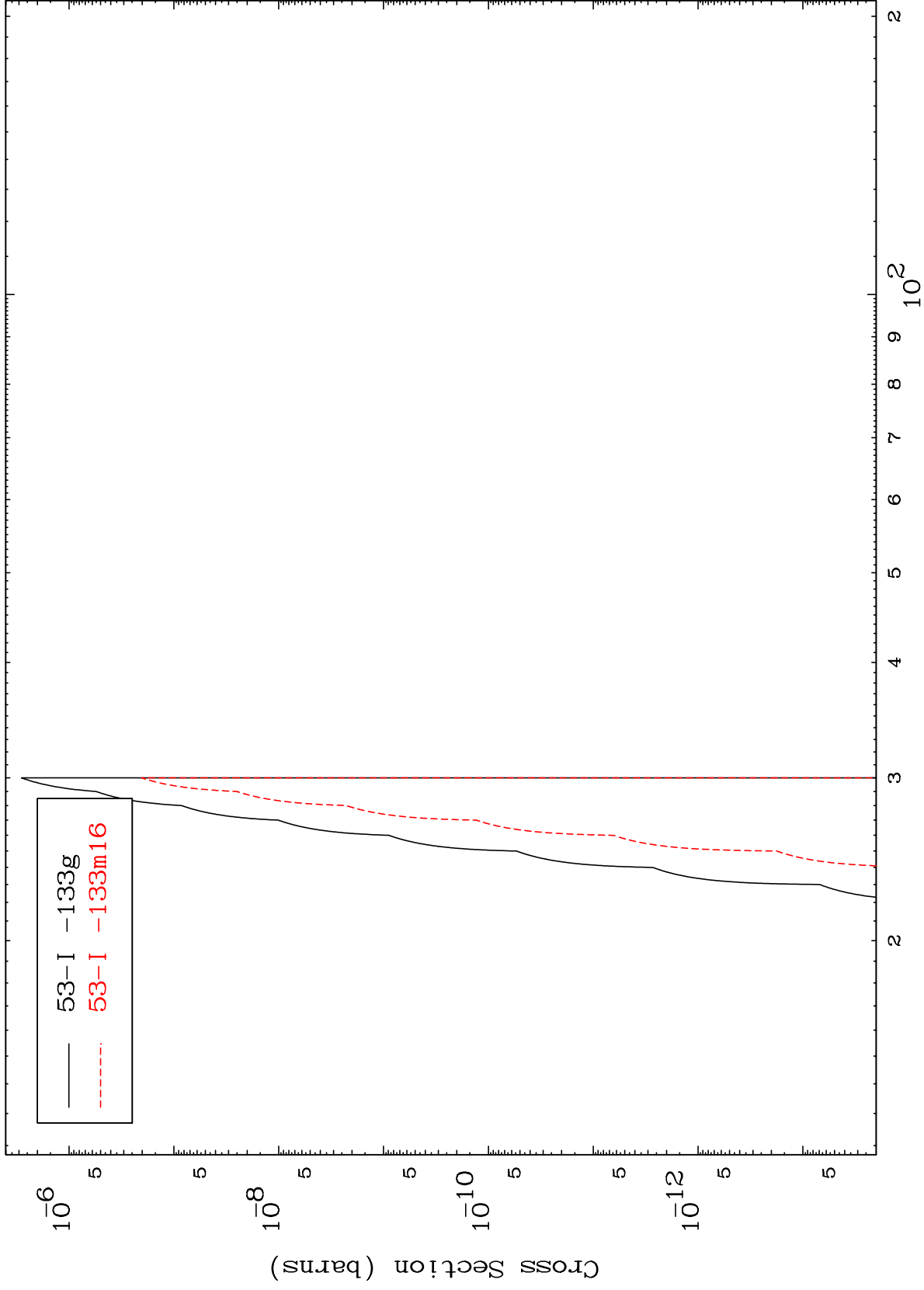


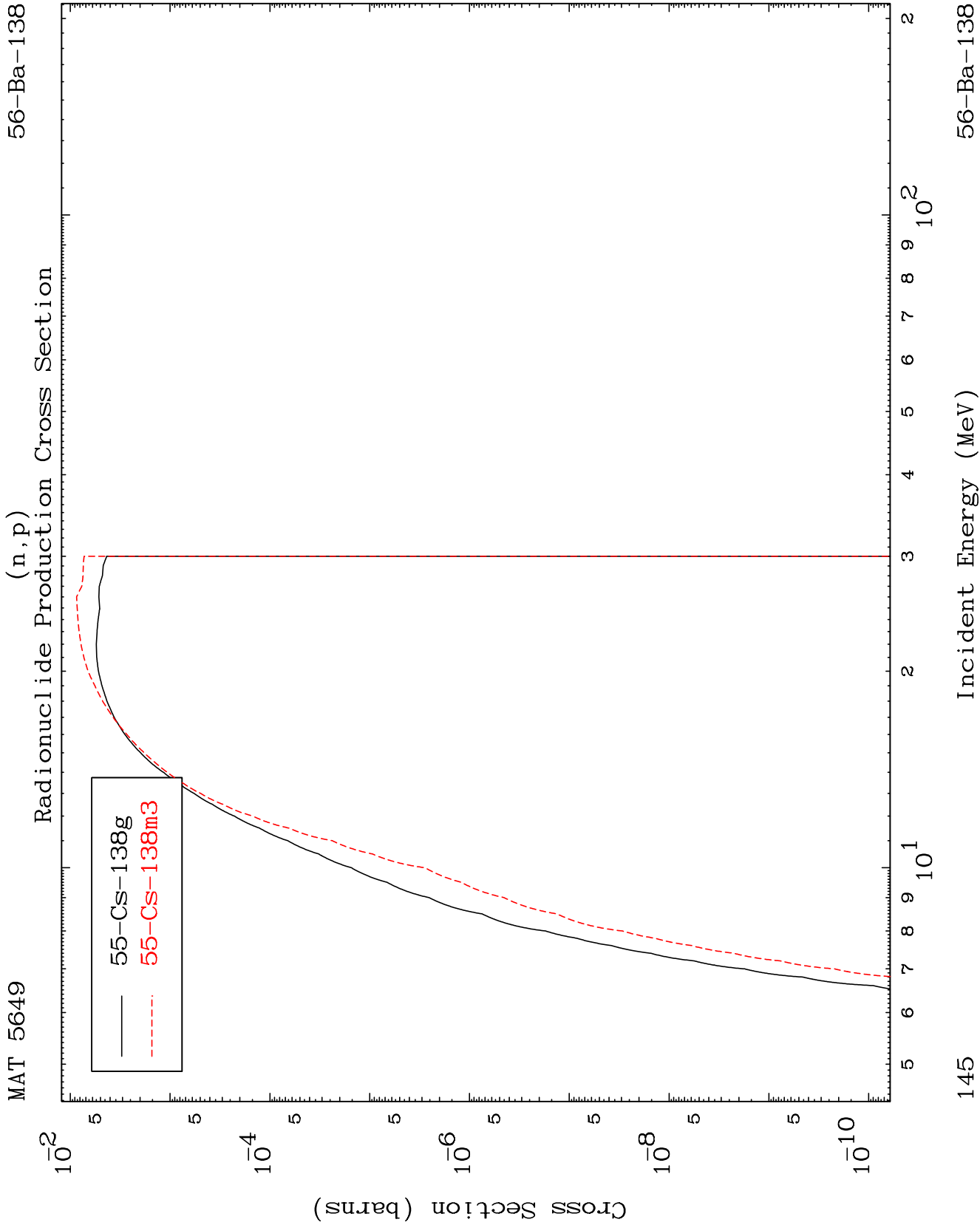


(n,3n) p
Radionuclide Production Cross Section



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

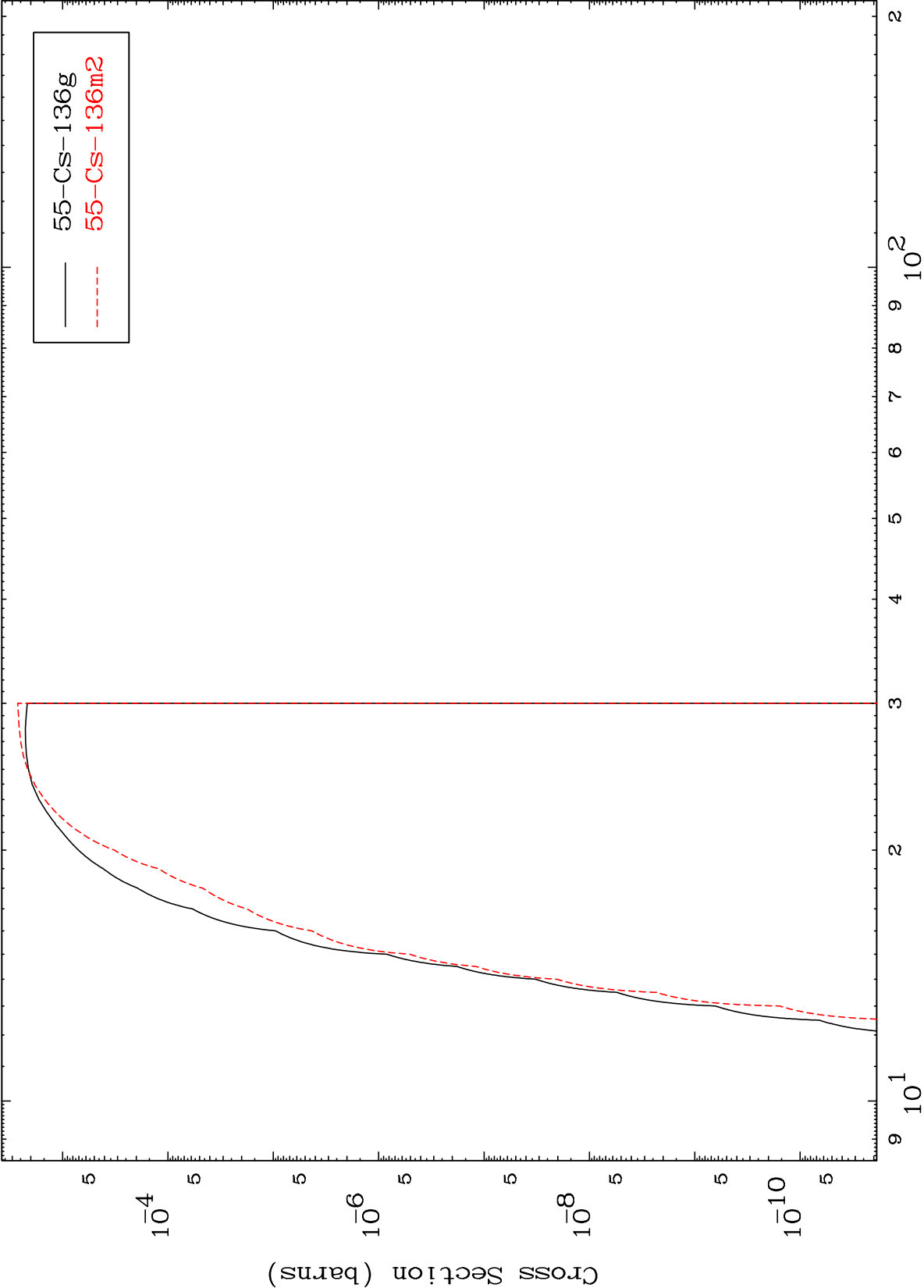




MAT 5649

56-Ba-138

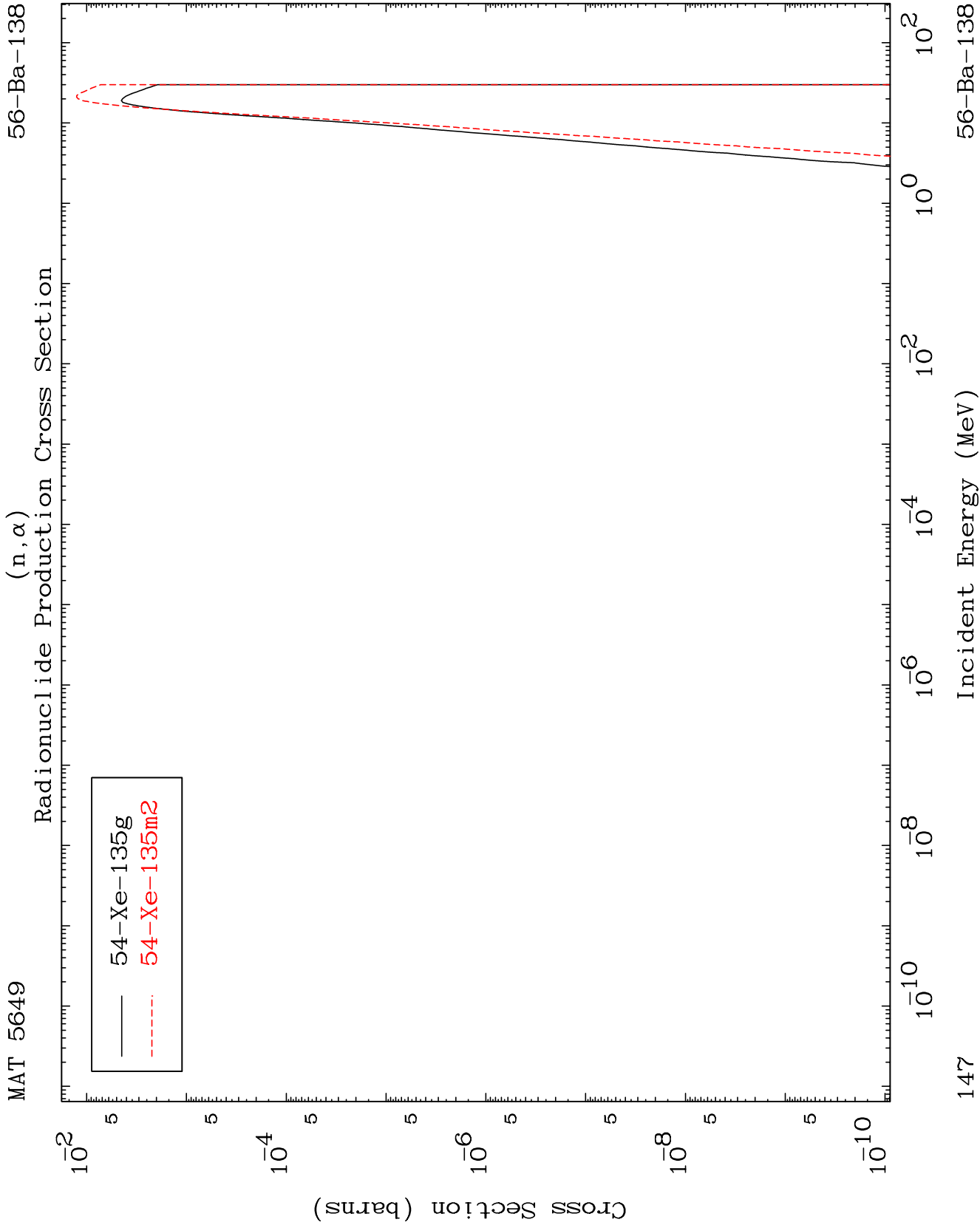
(n,t)
Radionuclide Production Cross Section



146

Incident Energy (MeV)

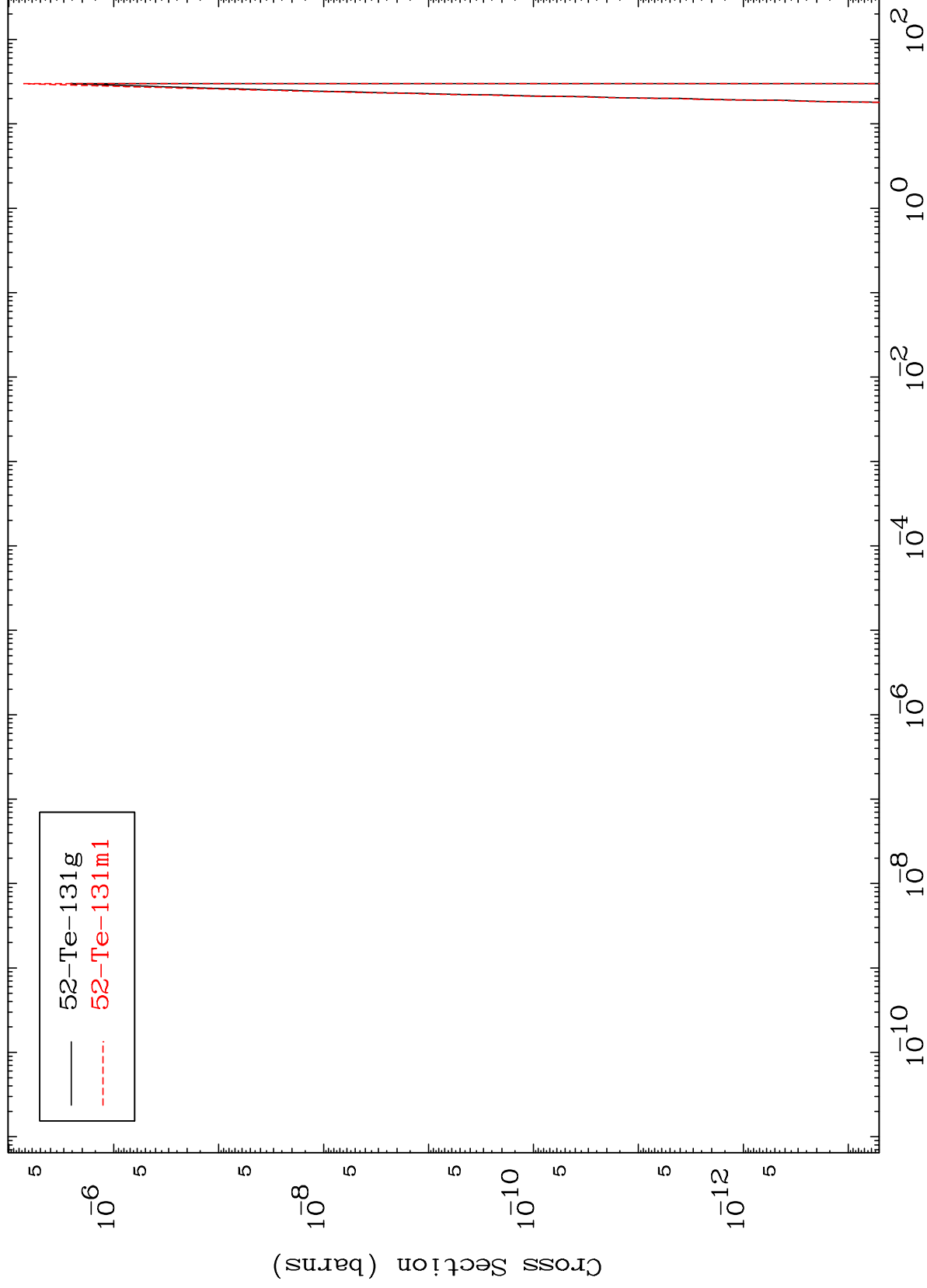
56-Ba-138



MAT 5649

56-Ba-138

(n,2α)
Radionuclide Production Cross Section



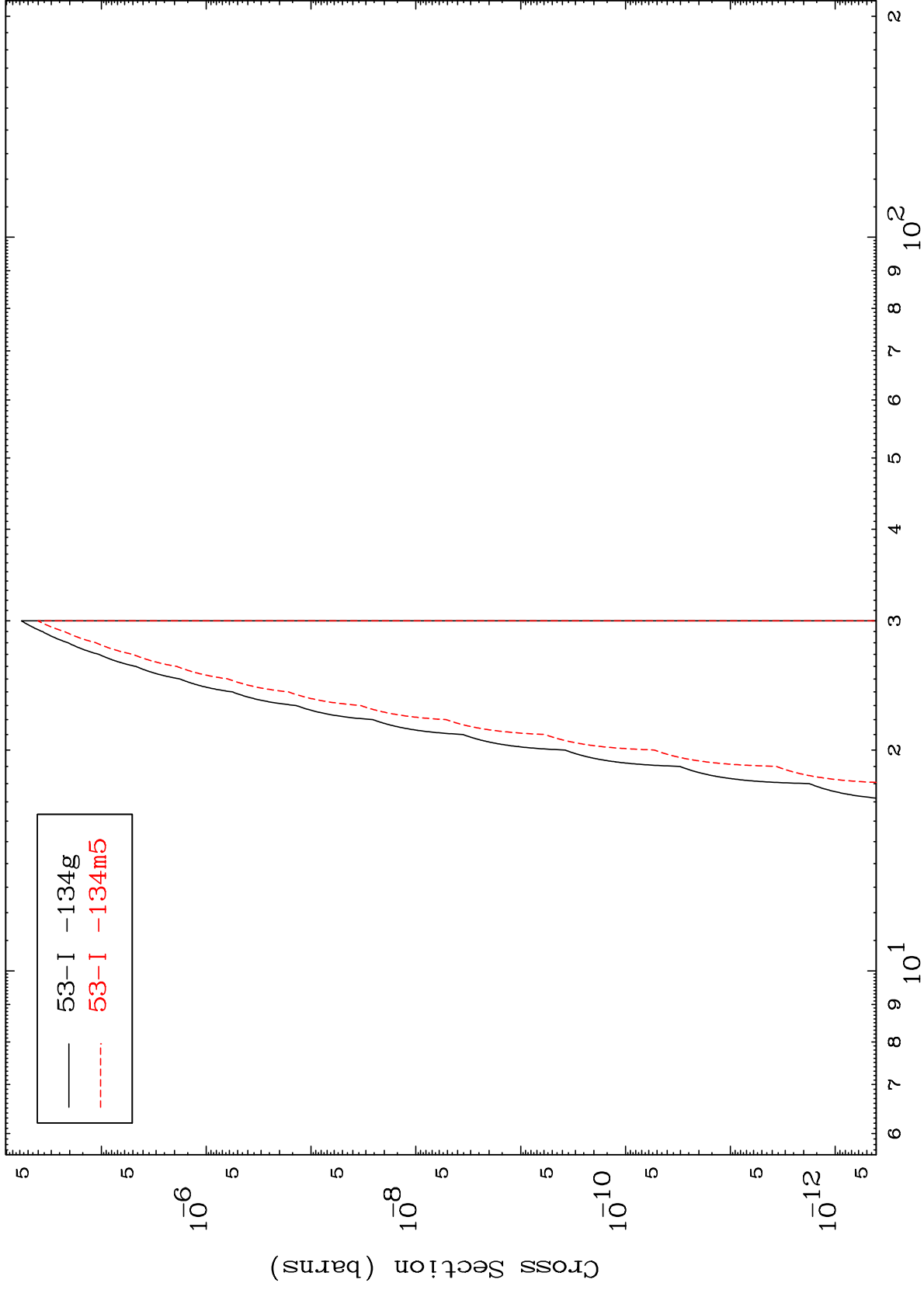
148

56-Ba-138

MAT 5649

56-Ba-138

(n,p) α
Radionuclide Production Cross Section



149

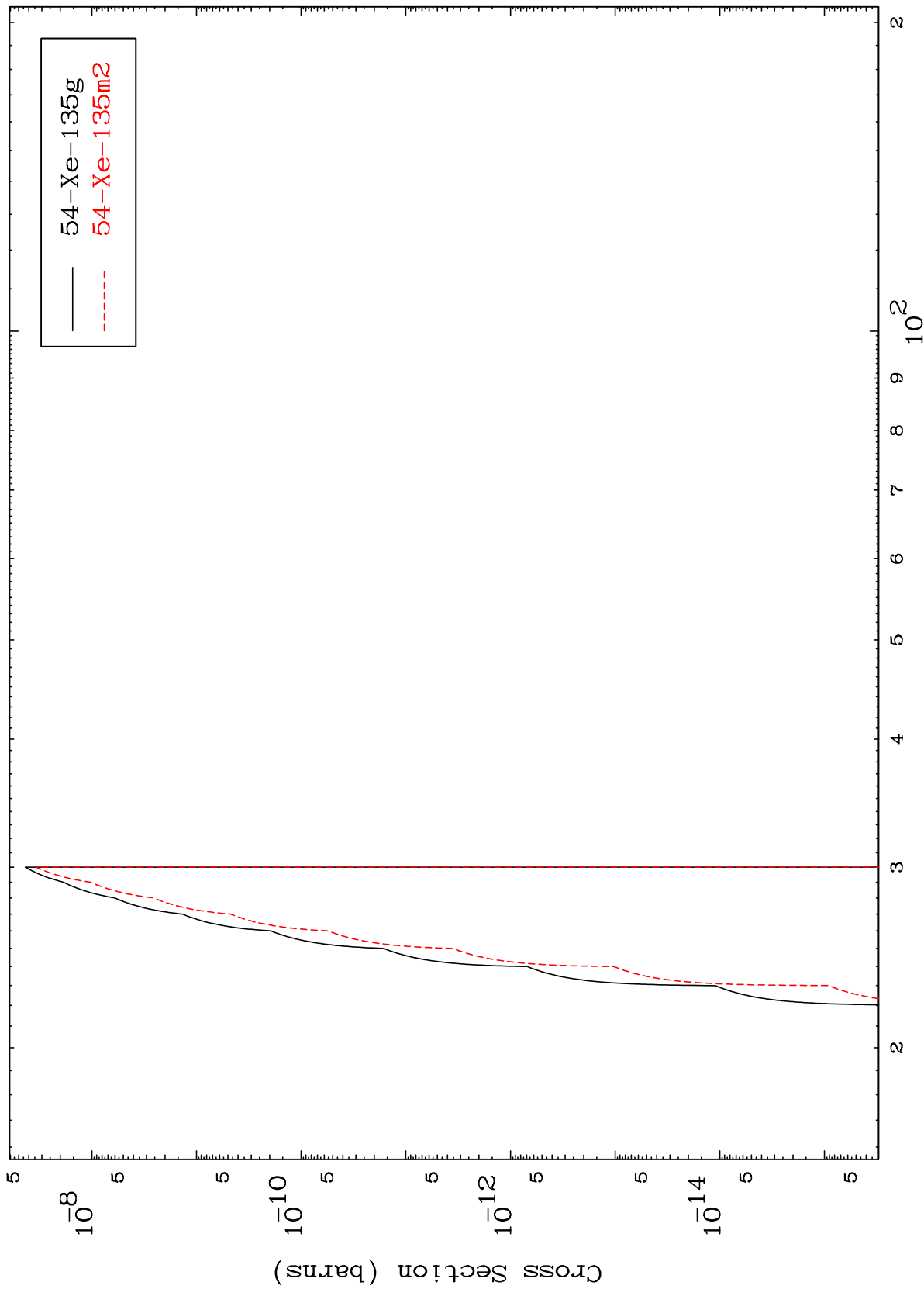
Incident Energy (MeV)

56-Ba-138

MAT 5649

56-Ba-138

(n,p) t
Radionuclide Production Cross Section



56-Ba-138

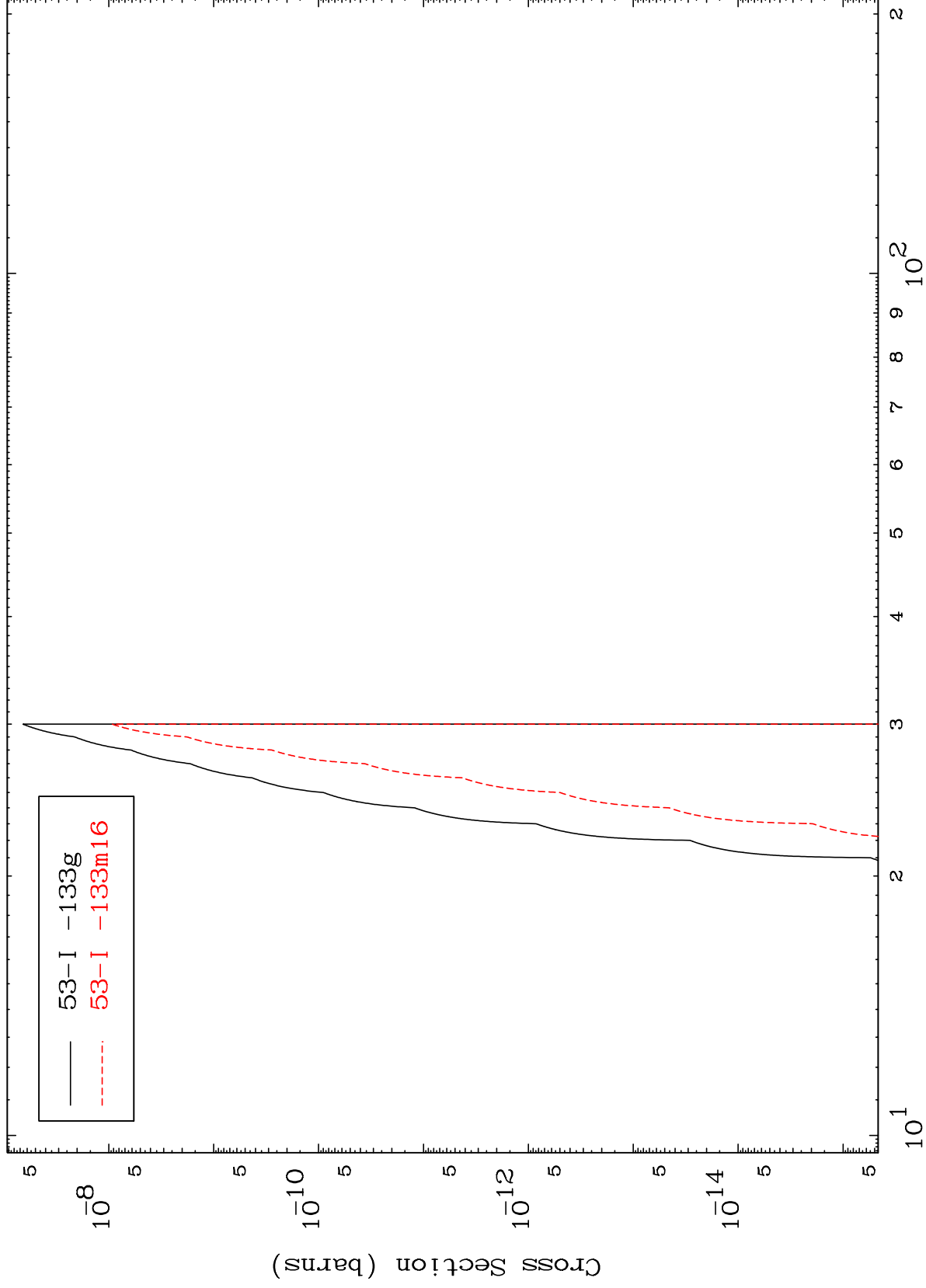
Incident Energy (MeV)

150

MAT 5649

56-Ba-138

Radionuclide Production Cross Section
(n,d) α



56-Ba-138

Incident Energy (MeV)

151