

Program EVALPLOT
(Version 2018-1)

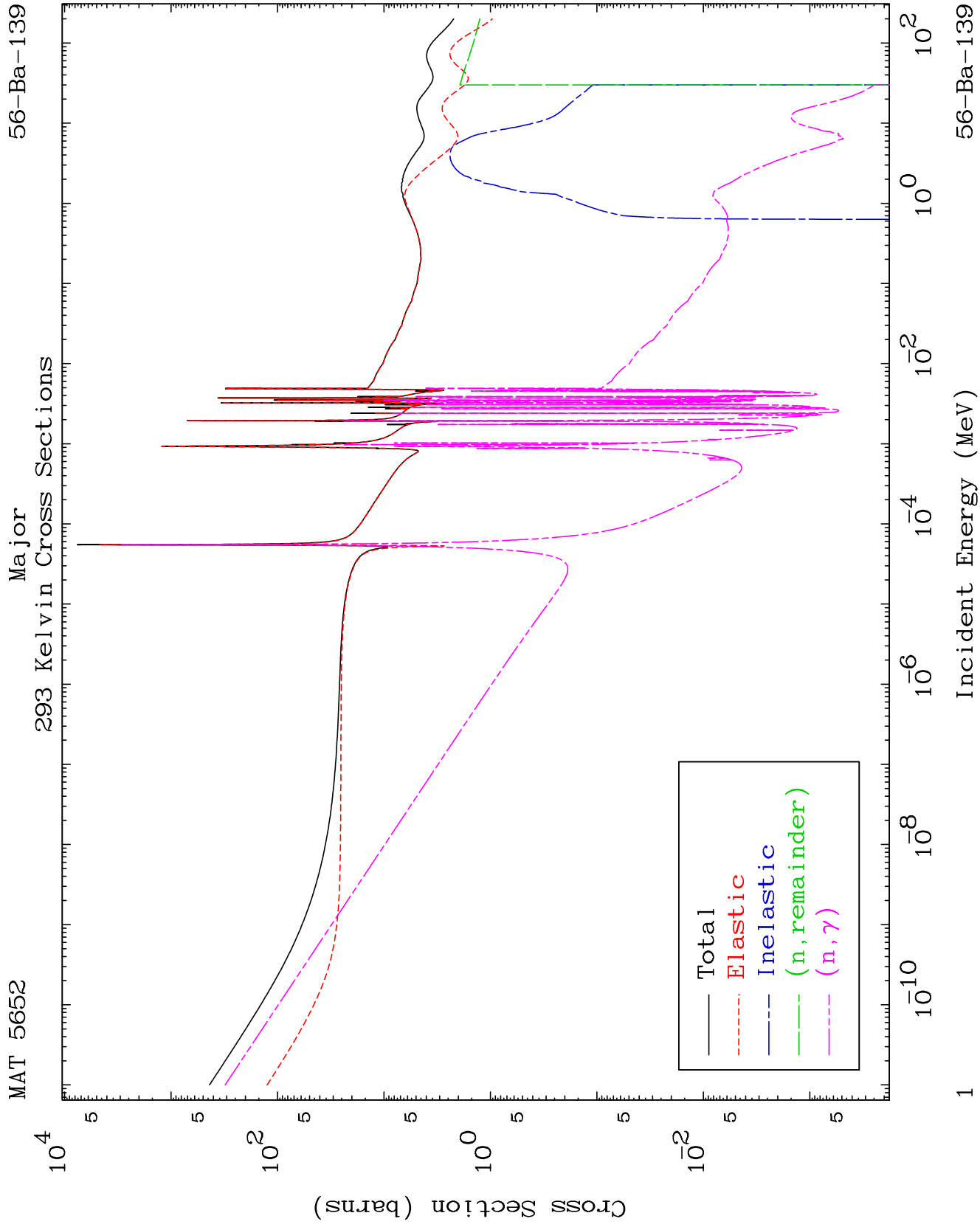
by

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

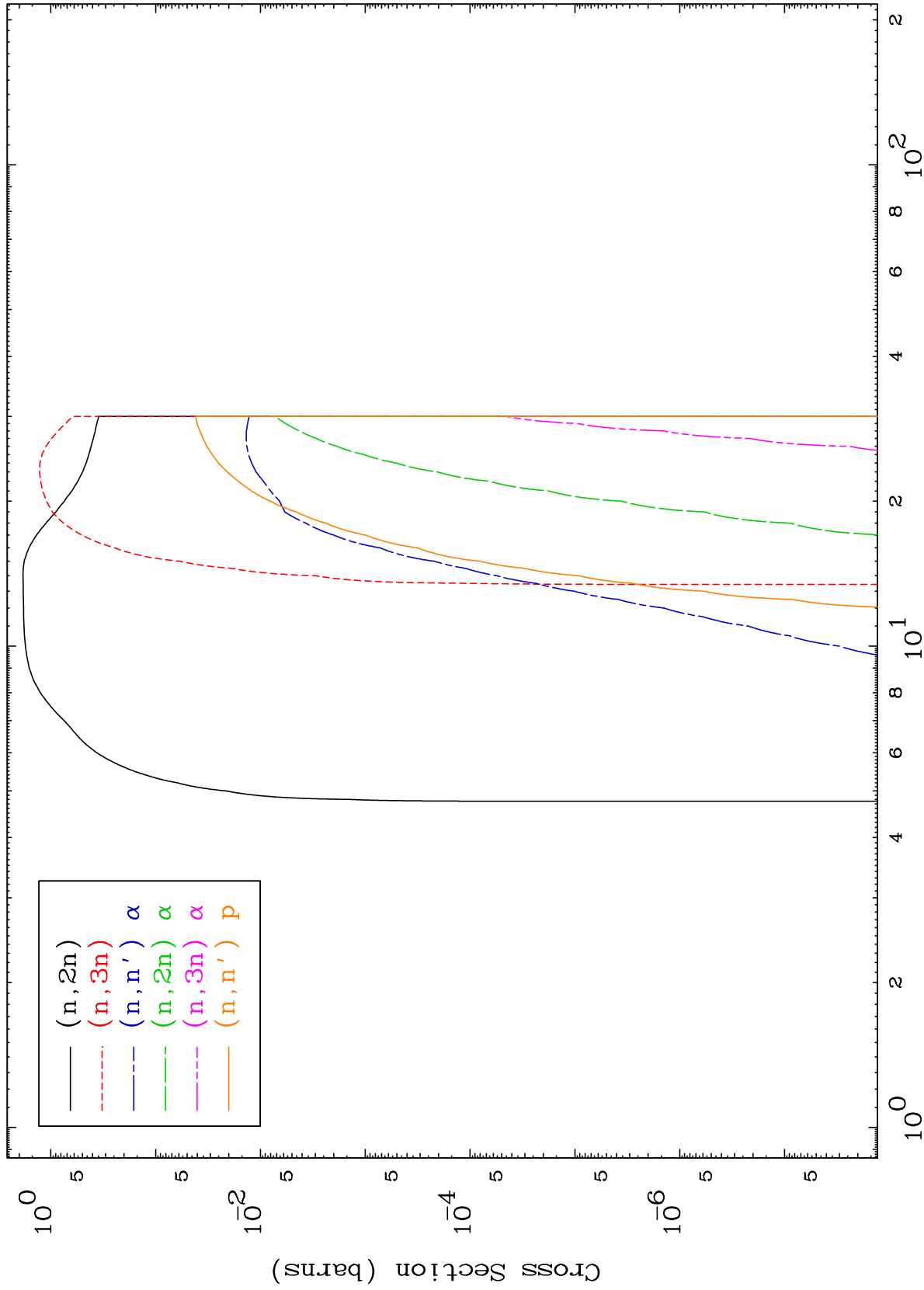
Press Mouse Button to Start



MAT 5652

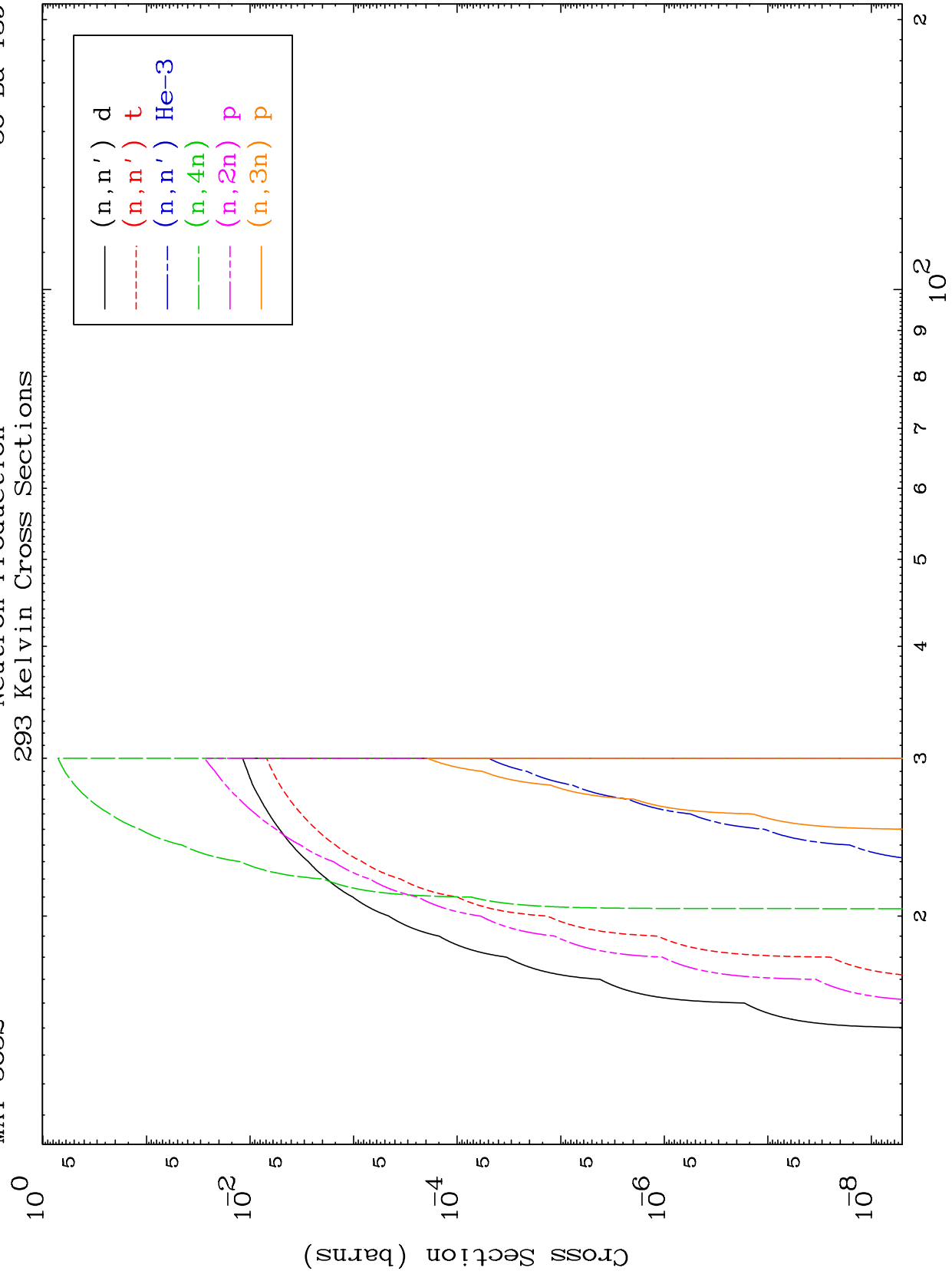
Neutron Production
293 Kelvin Cross Sections

56-Ba-139



Incident Energy (MeV)

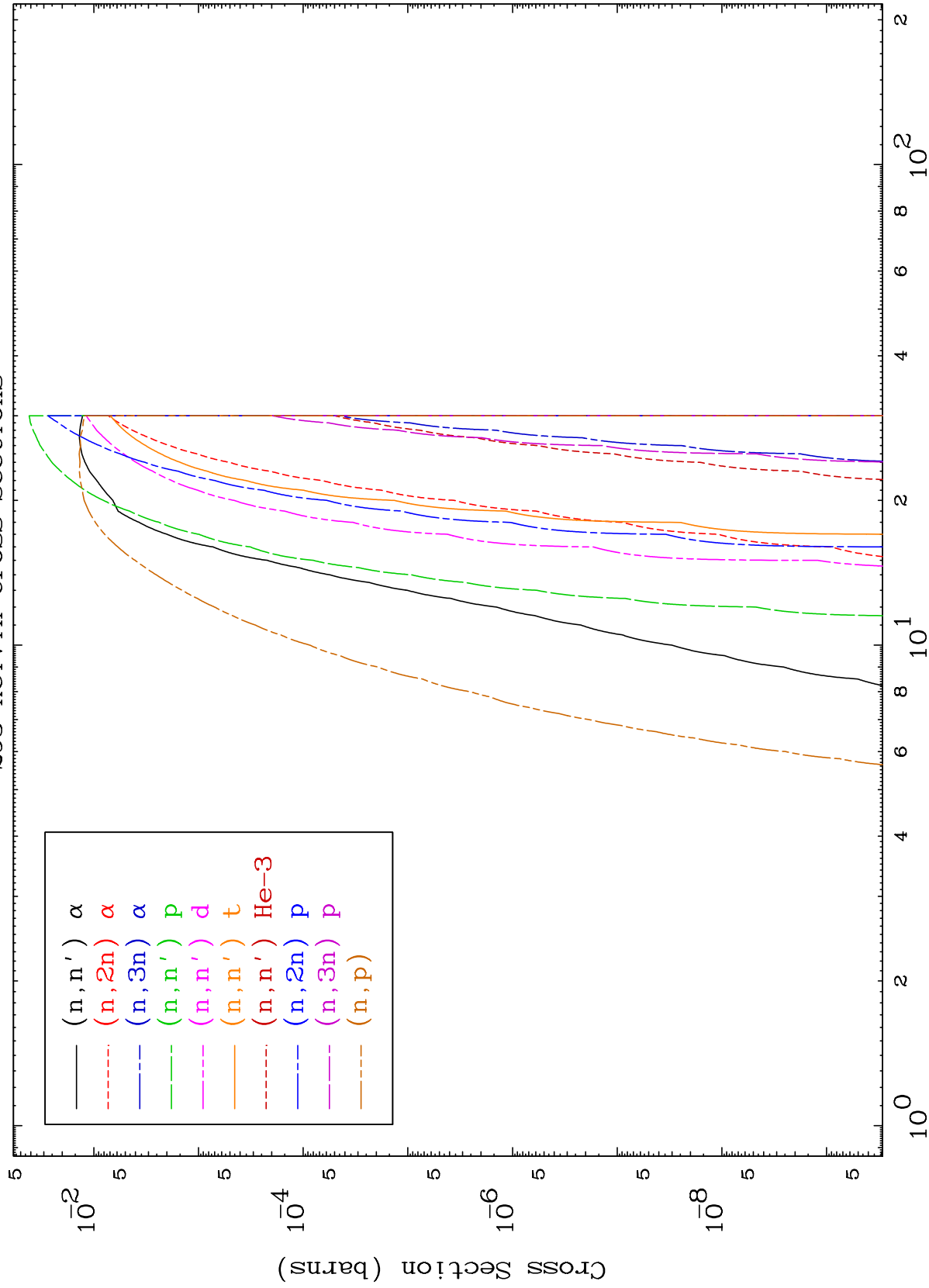
56-Ba-139



MAT 5652

Charged Particle
293 Kelvin Cross Sections

56-Ba-139



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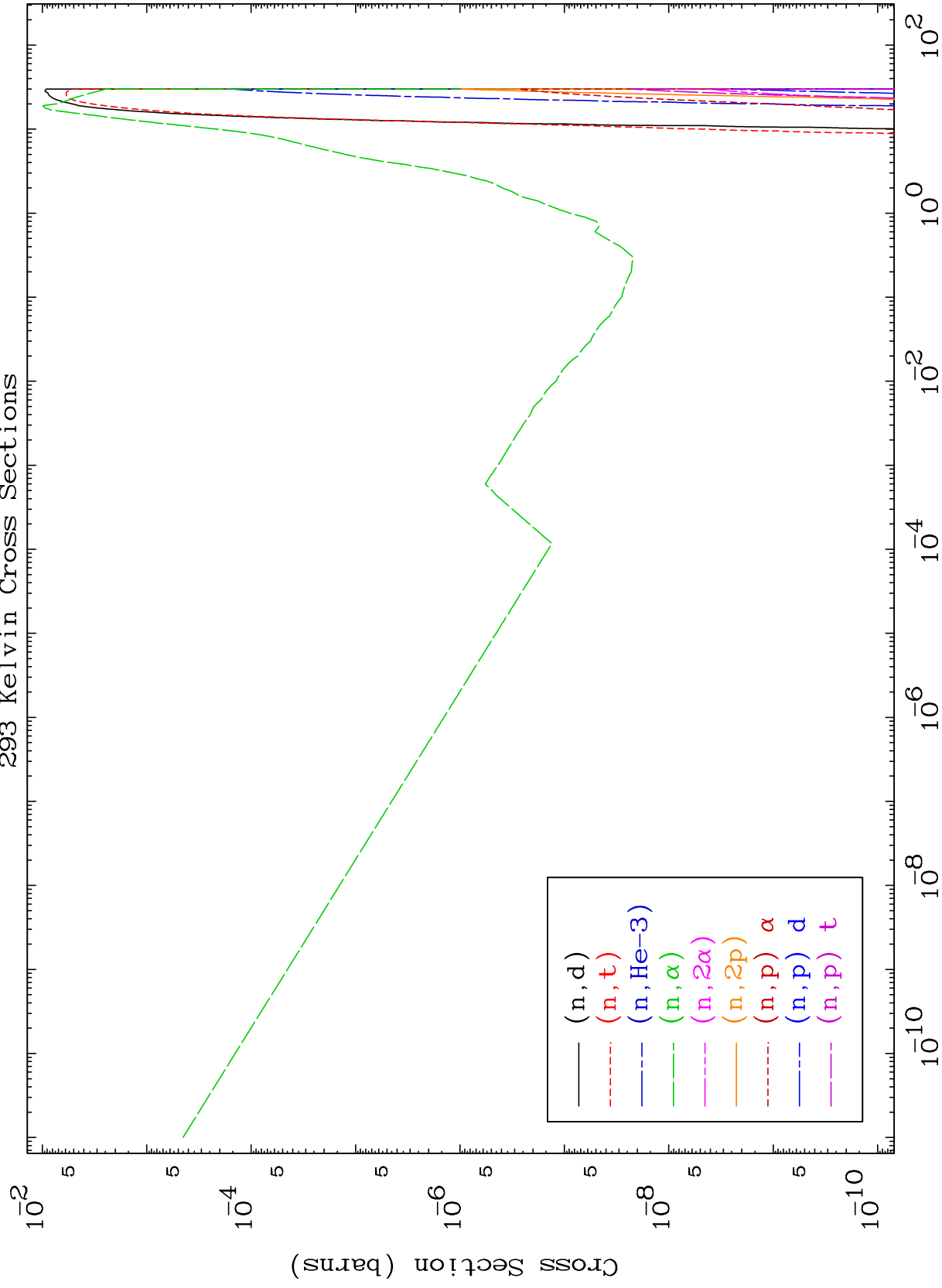
Incident Energy (MeV)

56-Ba-139

MAT 5652

Charged Particle
293 Kelvin Cross Sections

56-Ba-139

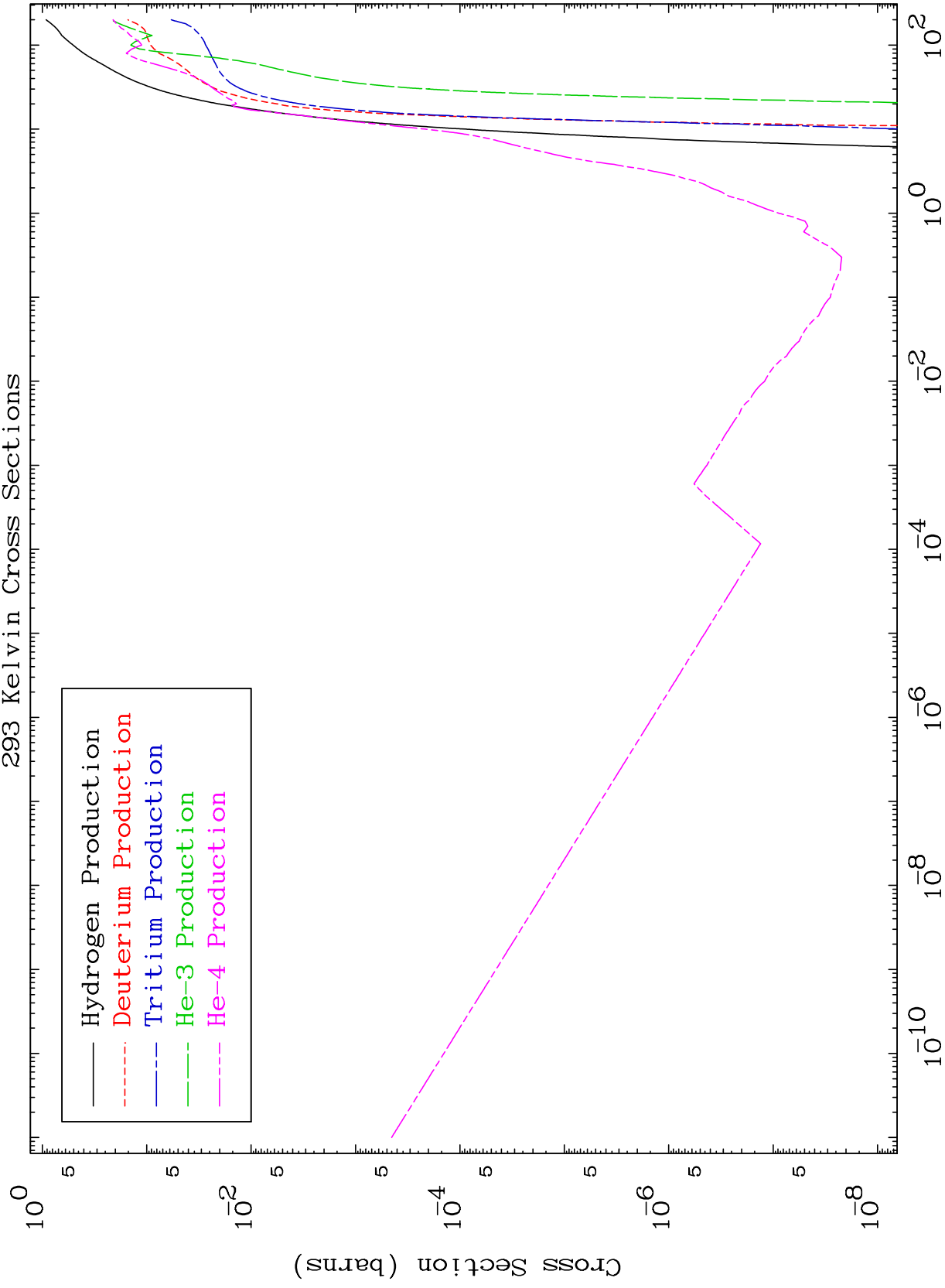


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MAT 5652

Particle Production
293 Kelvin Cross Sections

56-Ba-139



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Incident Energy (MeV)

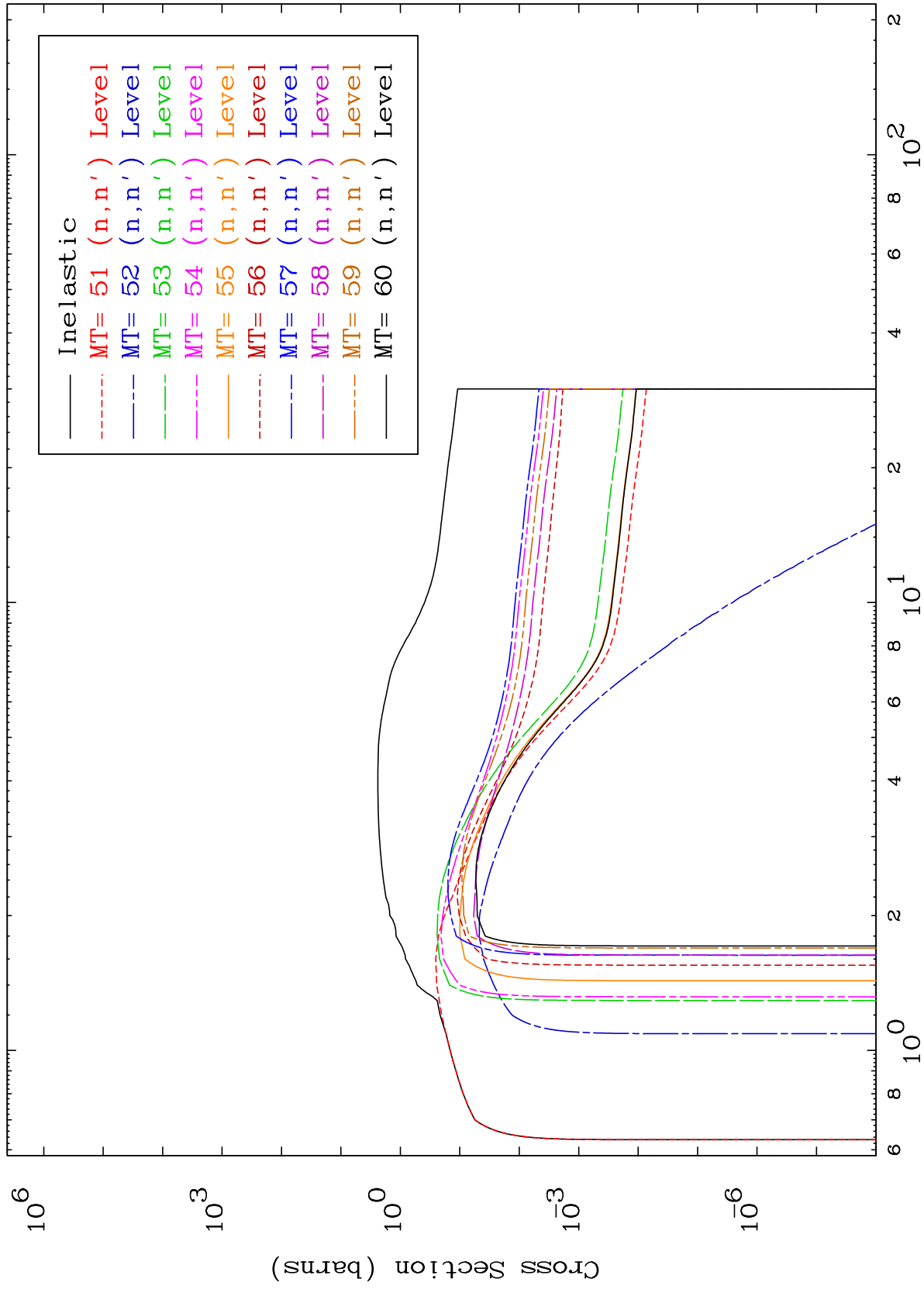
56-Ba-139

MAT 5652

(n,n') Level

56-Ba-139

293 Kelvin Cross Sections



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Incident Energy (MeV)

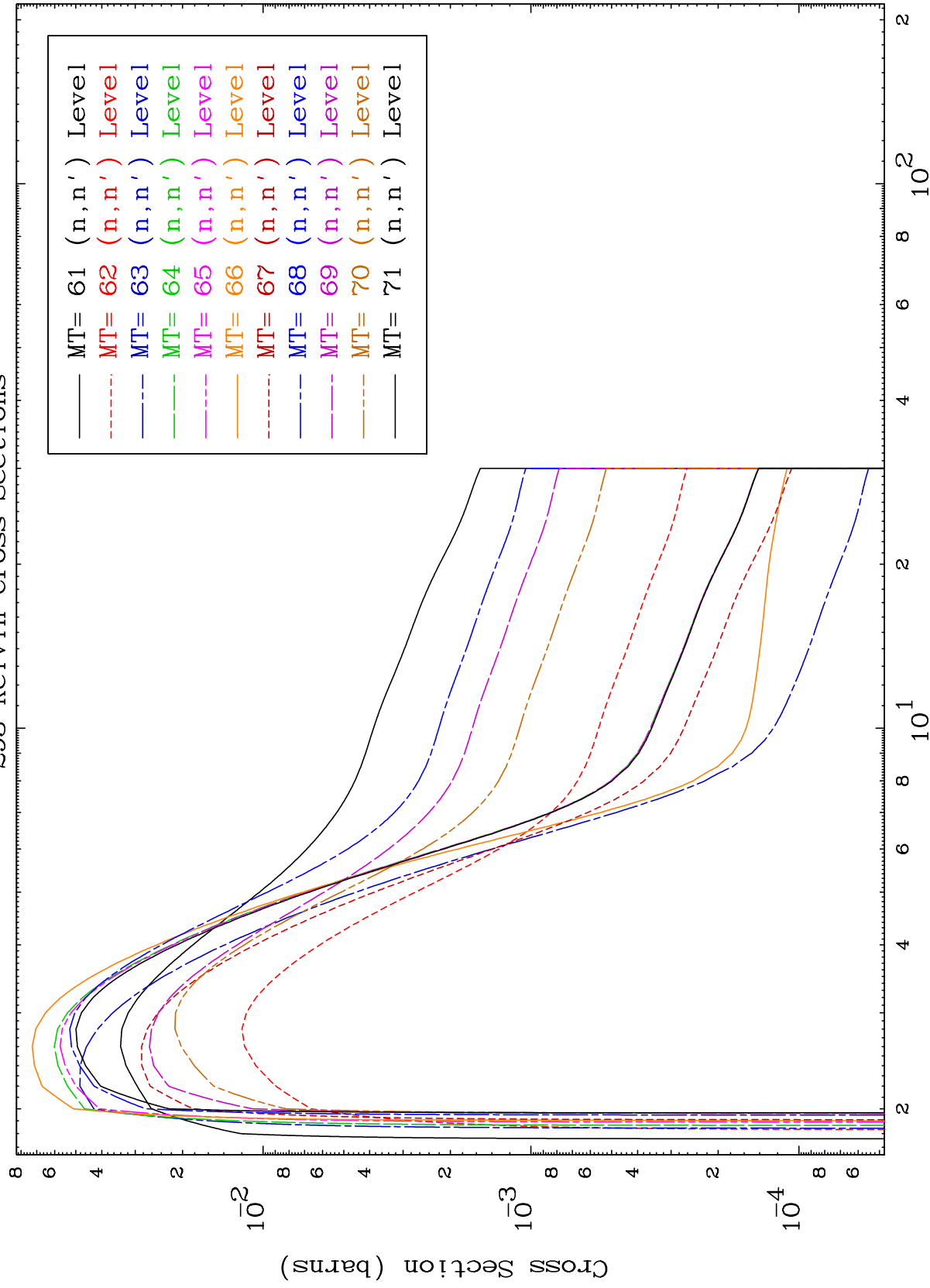
56-Ba-139

MAT 5652

(n,n') Level

293 Kelvin Cross Sections

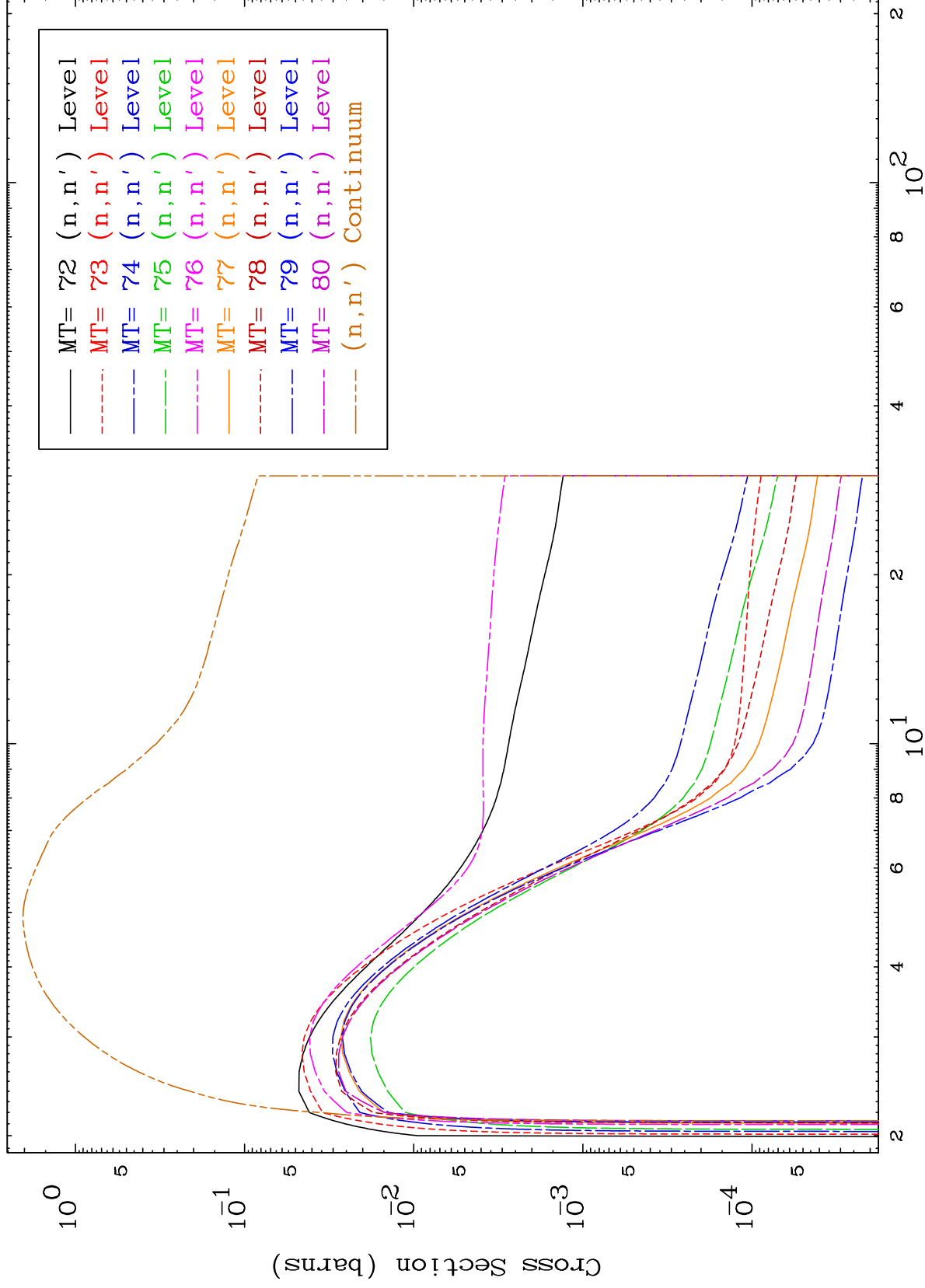
56-Ba-139



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Incident Energy (MeV)

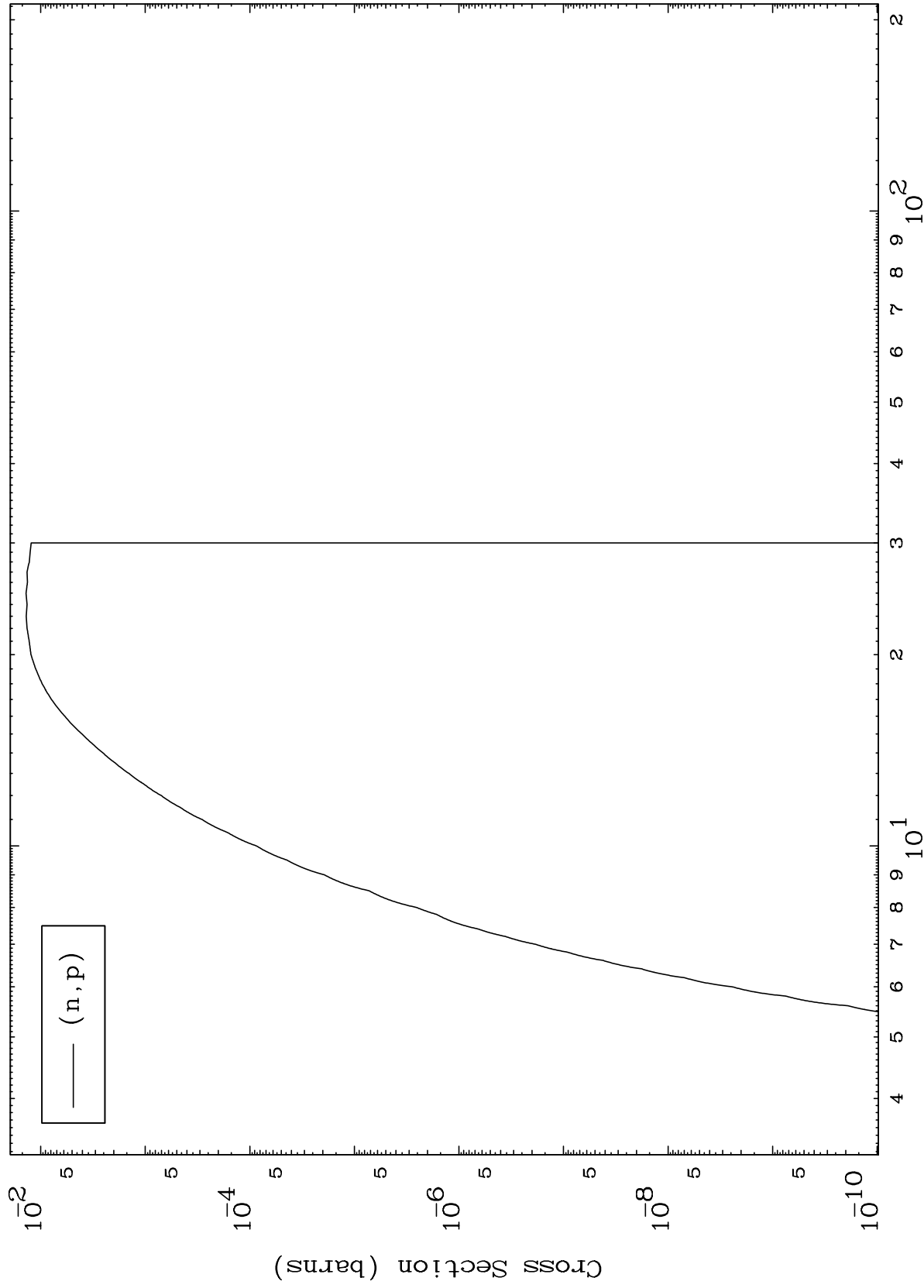
56-Ba-139



MAT 5652

56-Ba-139

(n,p) Levels
293 Kelvin Cross Sections



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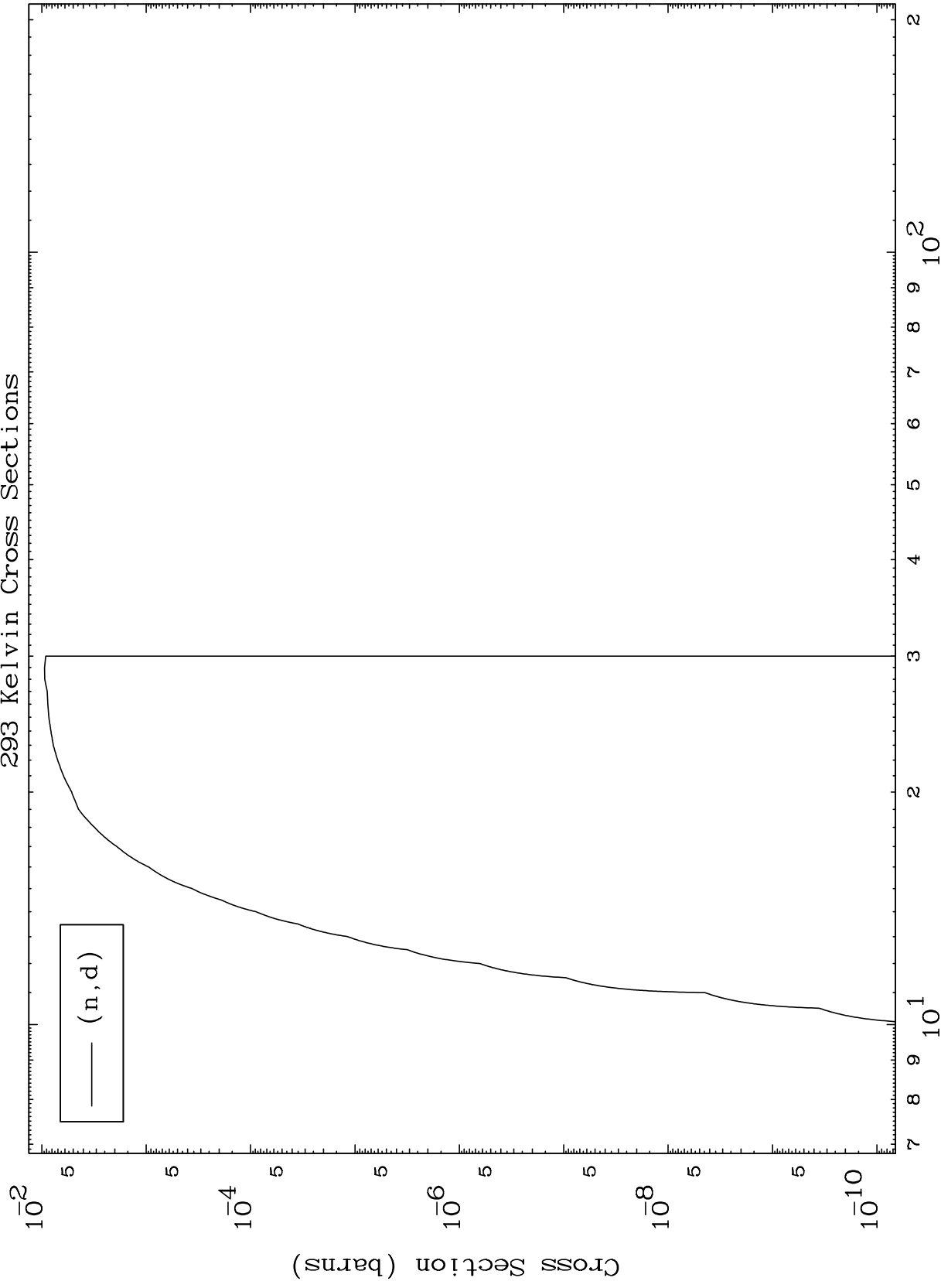
Incident Energy (MeV)

56-Ba-139

MAT 5652

56-Ba-139

(n,d) Levels
293 Kelvin Cross Sections



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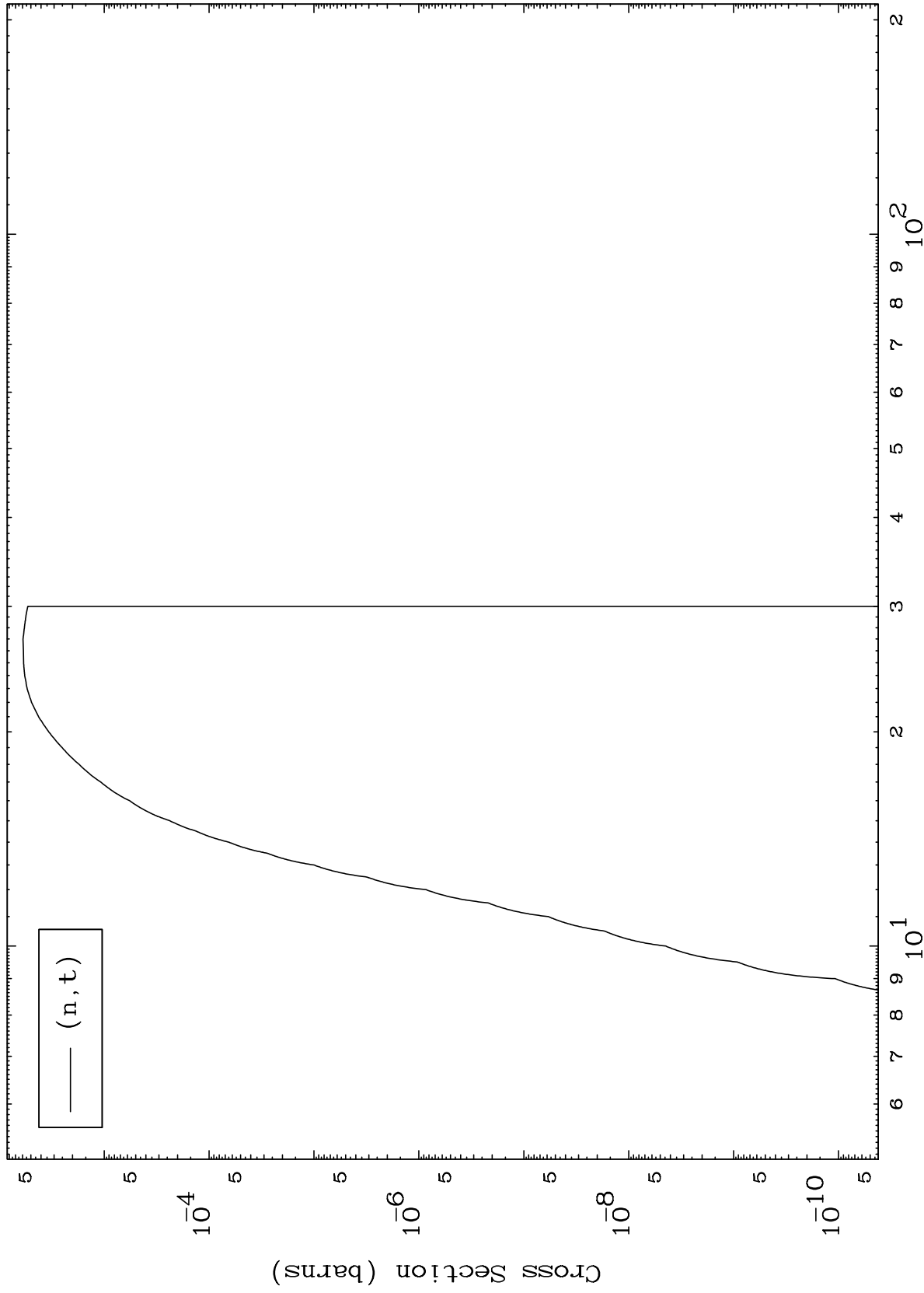
Incident Energy (MeV)

56-Ba-139

MAT 5652

56-Ba-139

(n,t) Levels
293 Kelvin Cross Sections



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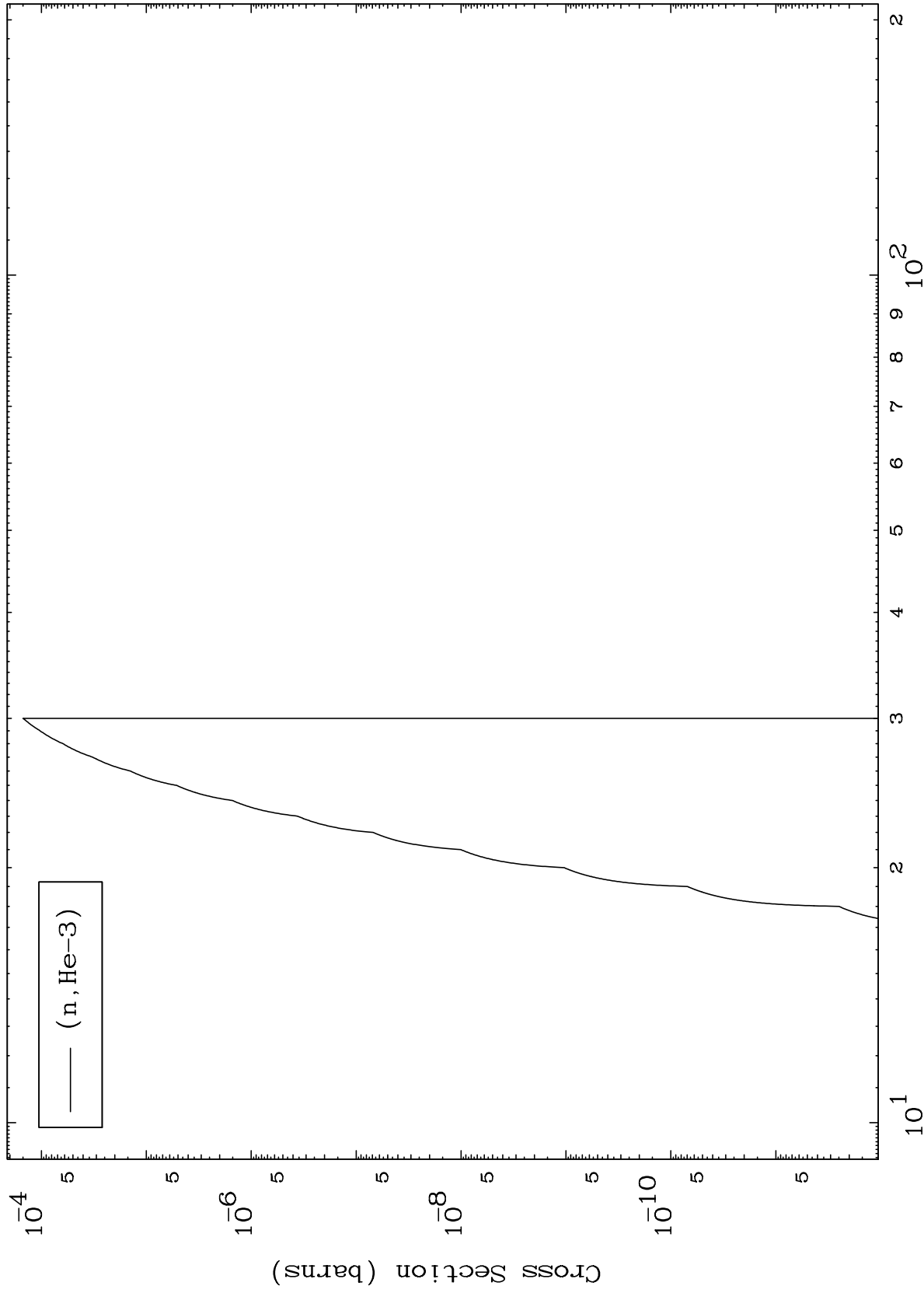
Incident Energy (MeV)

56-Ba-139

MAT 5652

56-Ba-139

(n,He3) Levels
293 Kelvin Cross Sections



13

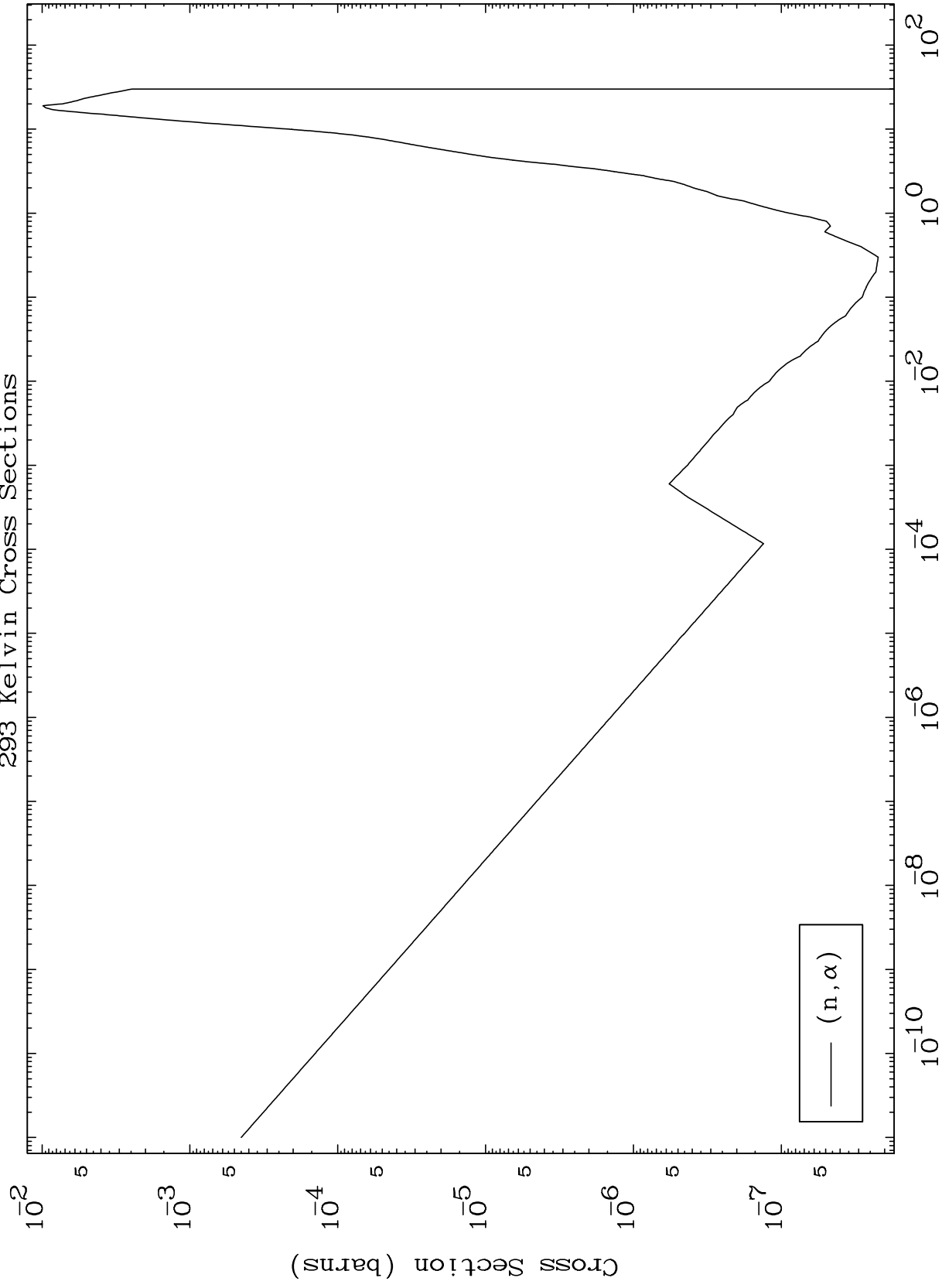
Incident Energy (MeV)

56-Ba-139

MAT 5652

293 Kelvin Cross Sections
(n, α) Levels

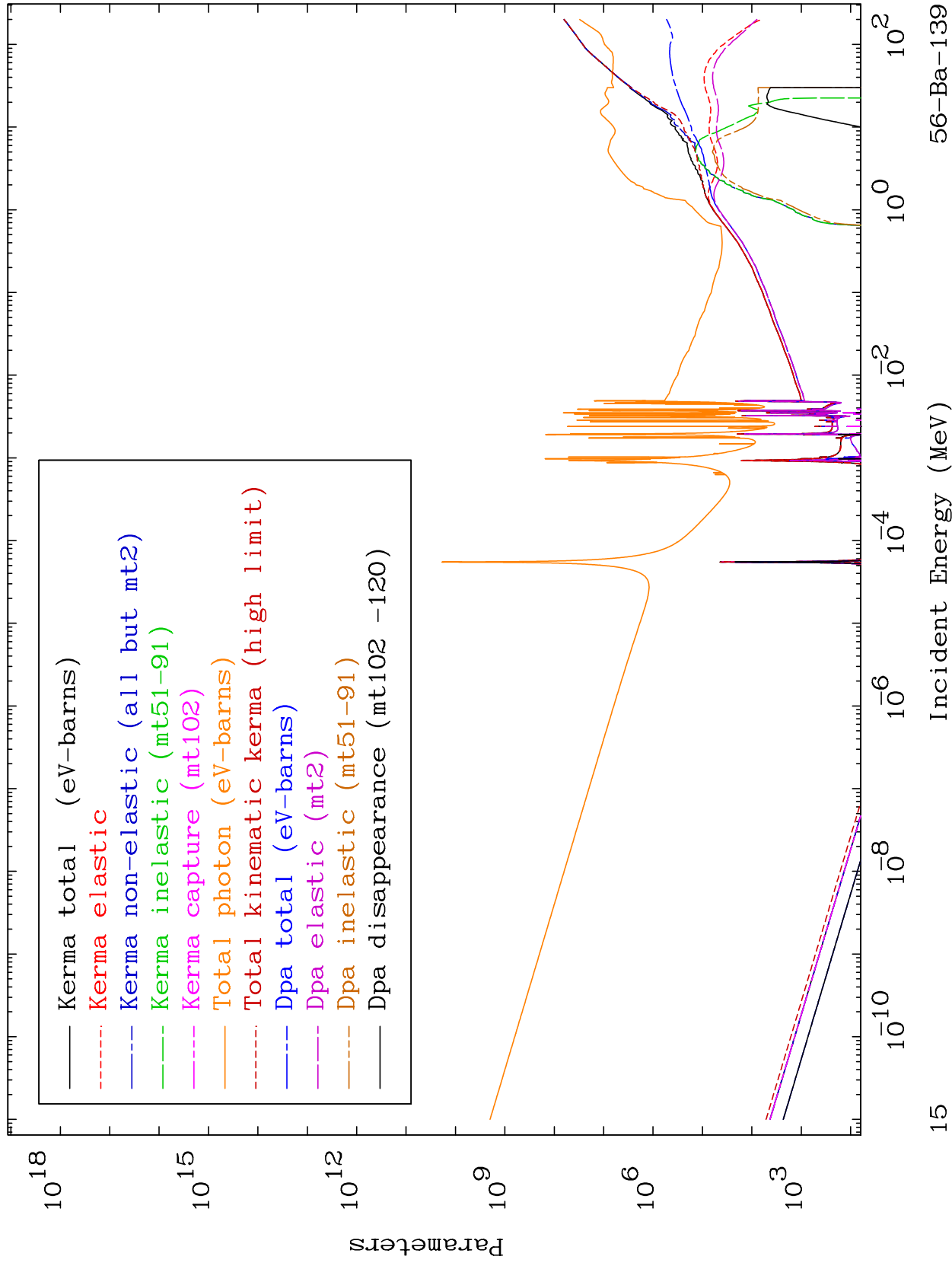
56-Ba-139

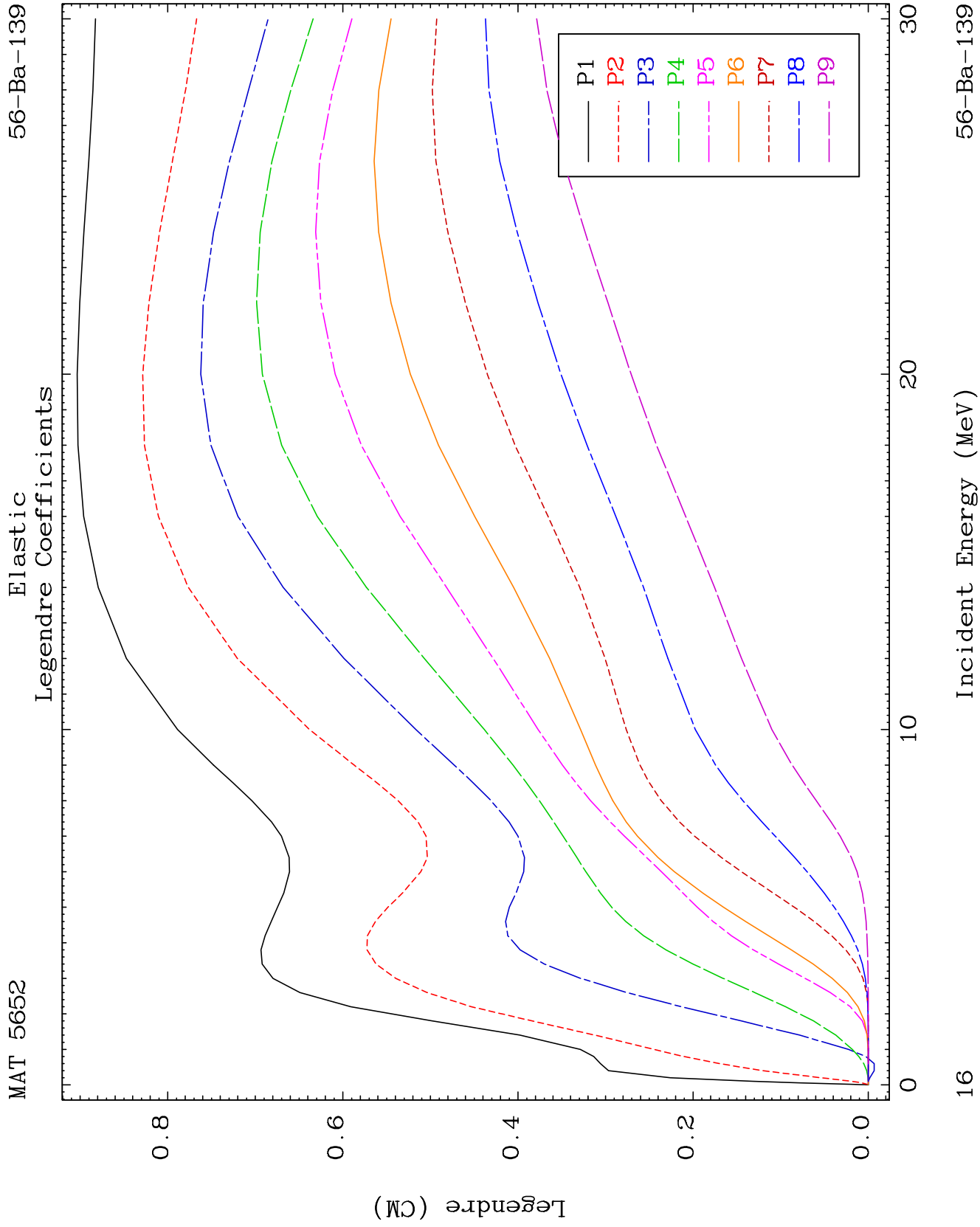


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Incident Energy (MeV)

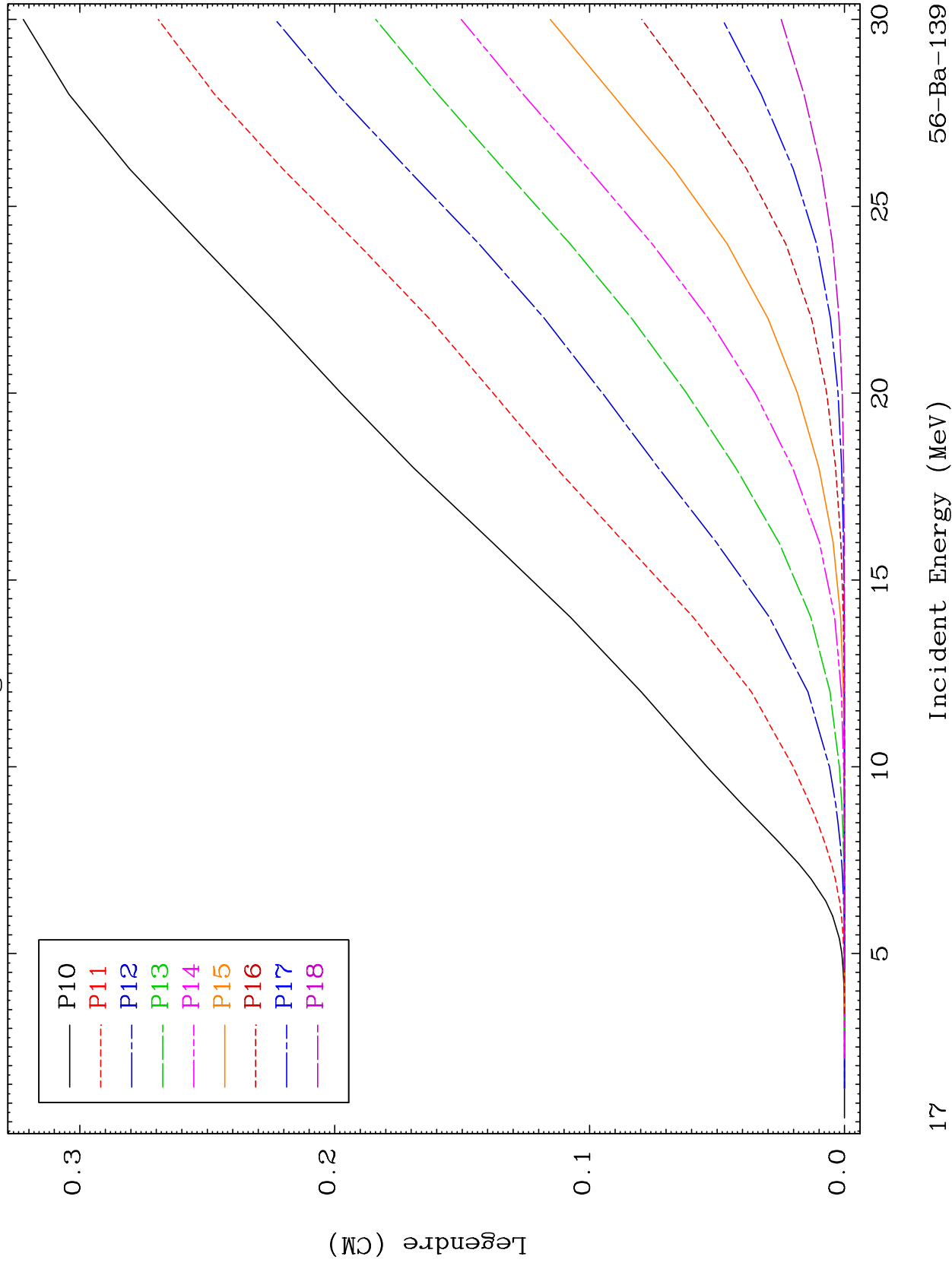
56-Ba-139





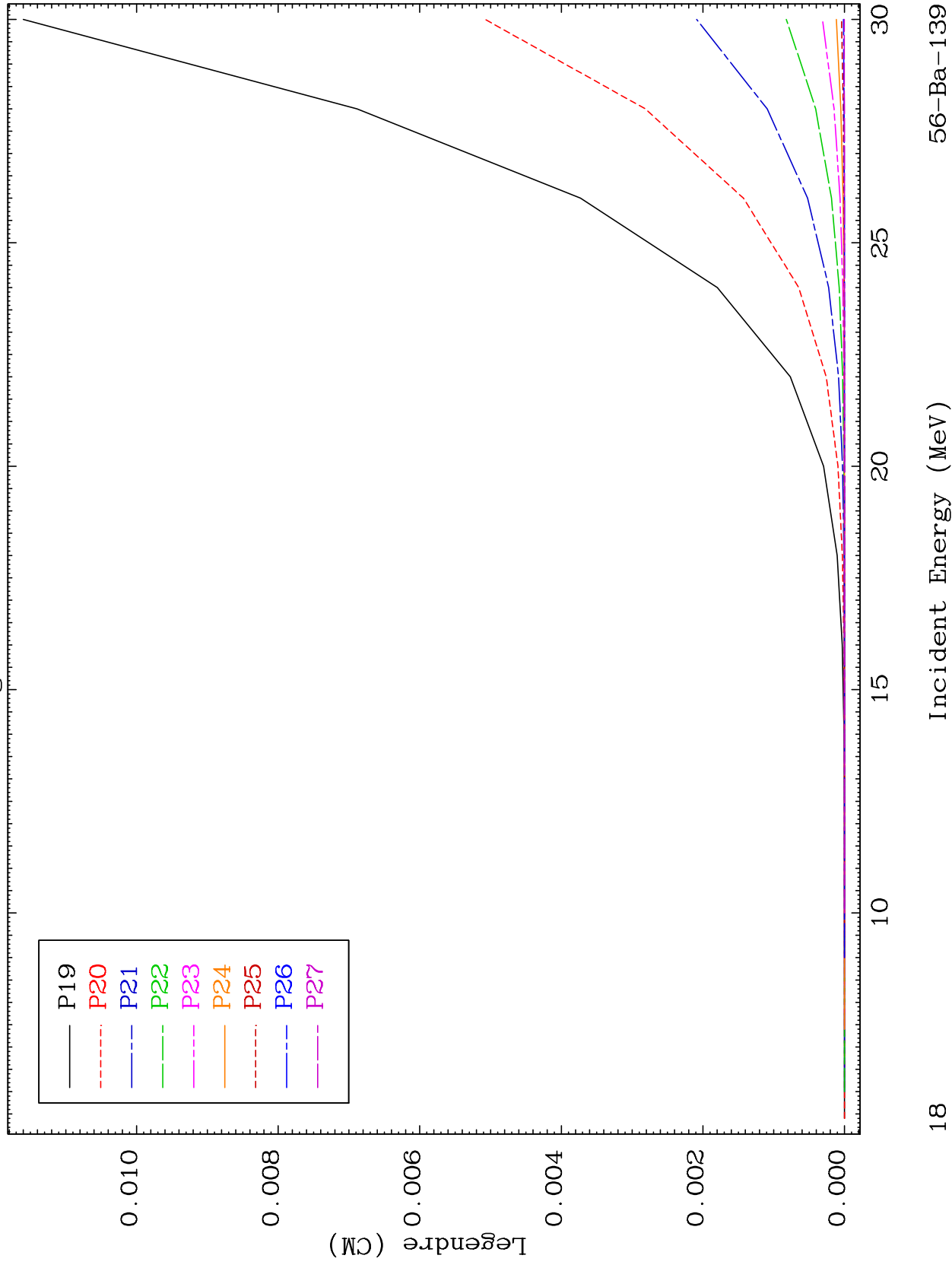
56-Ba-139

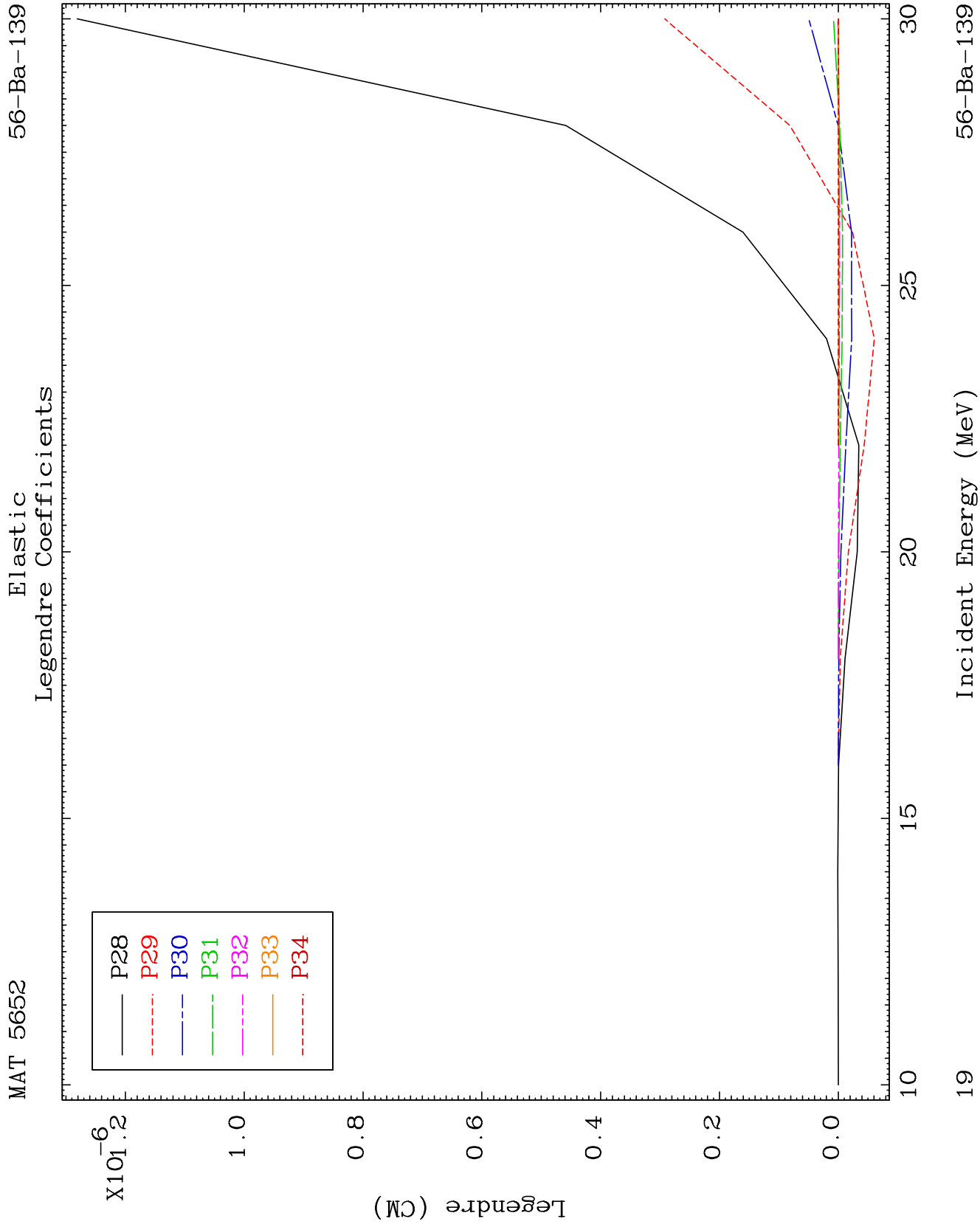
56-Ba-139



56-Ba-139

56-Ba-139

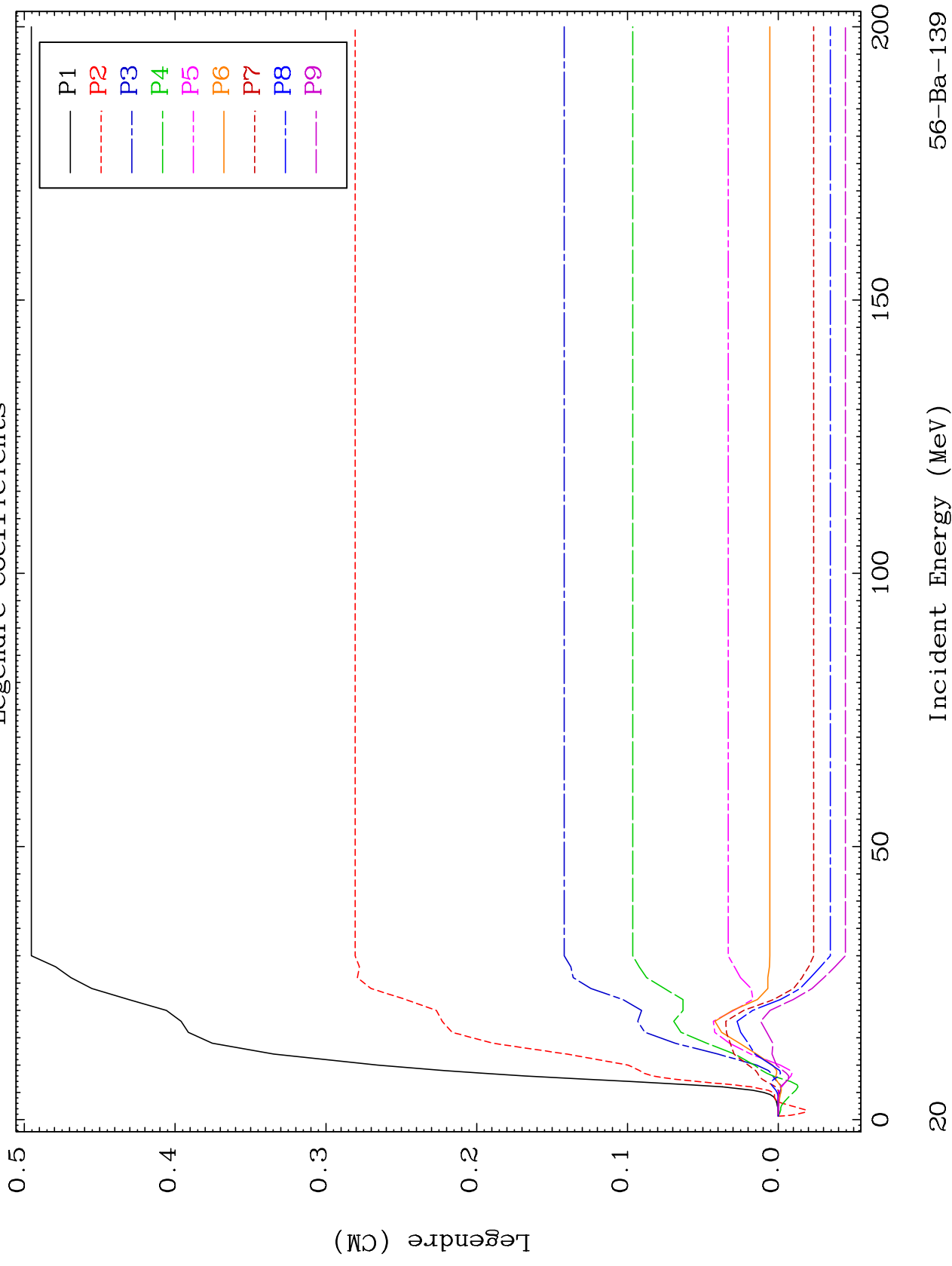


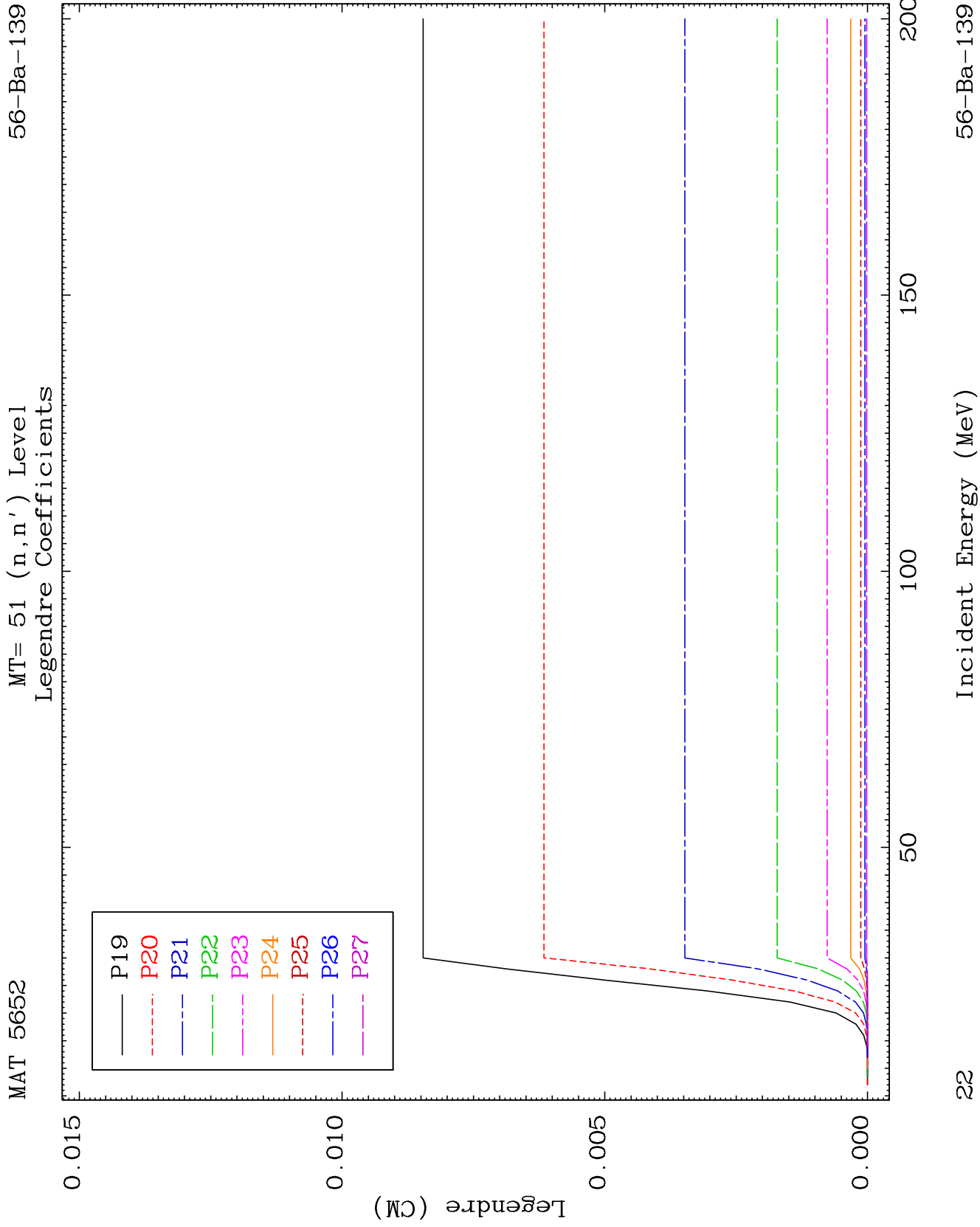


MAT 5652

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

56-Ba-139

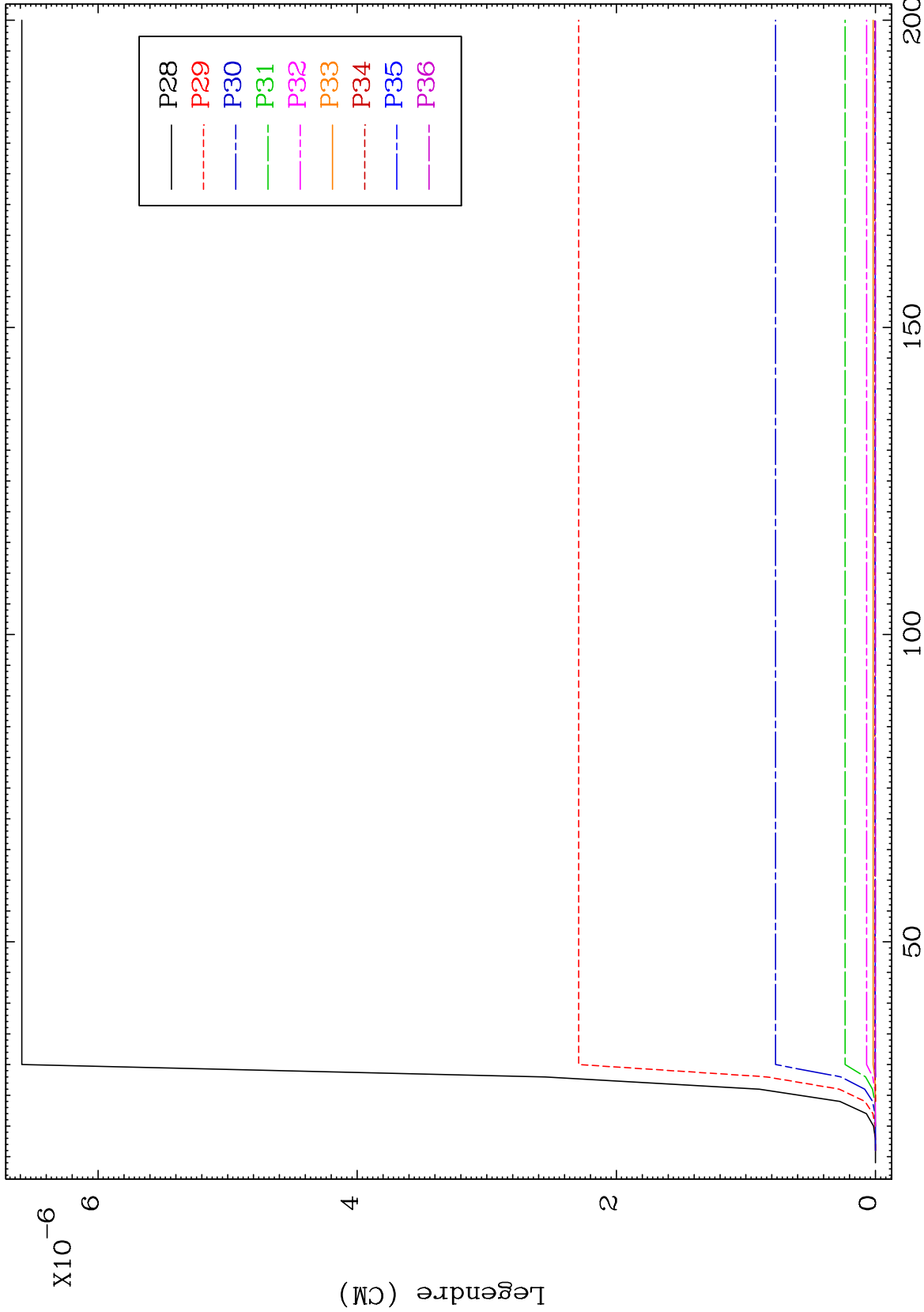




MAT 5652

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

56-Ba-139



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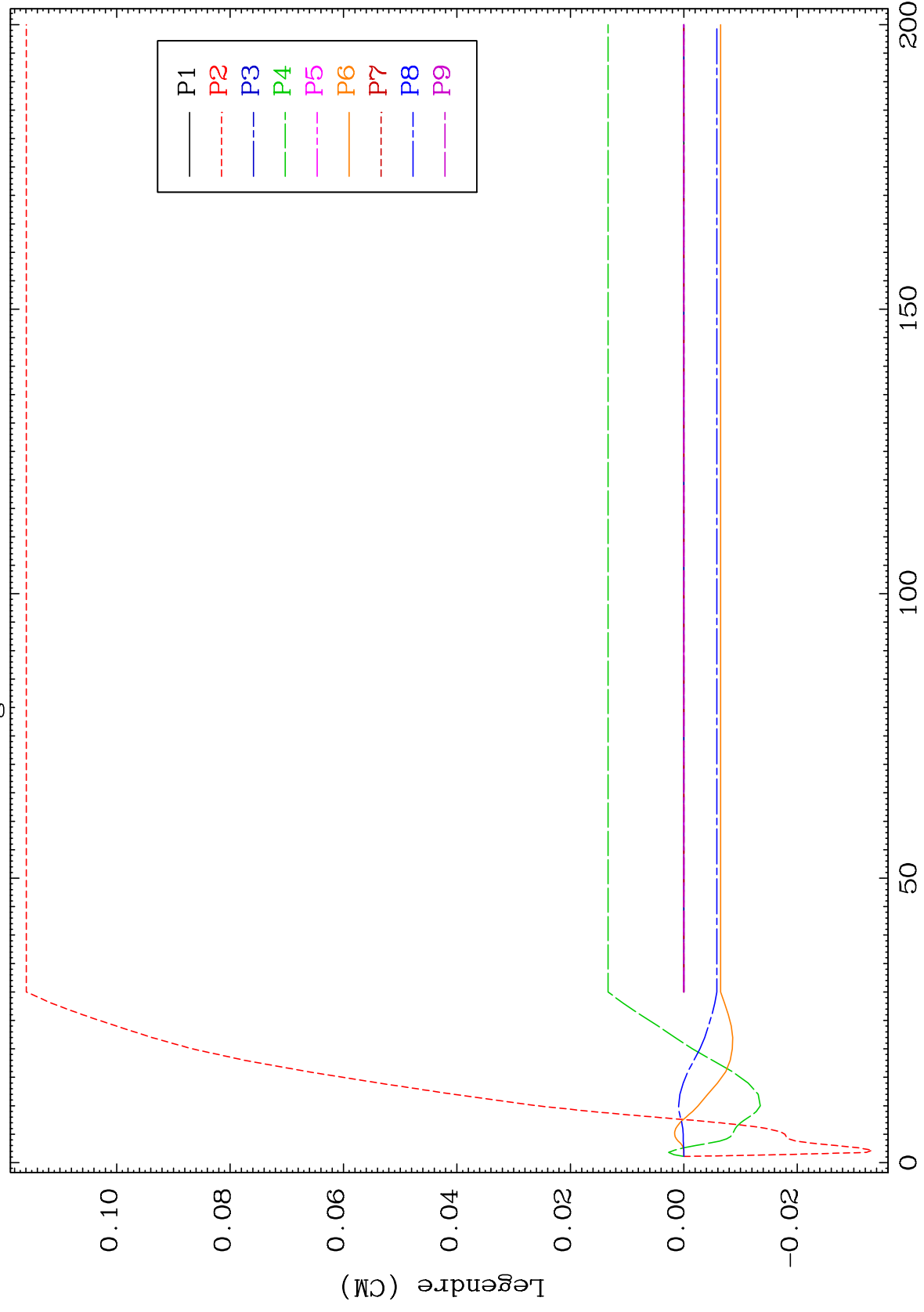
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

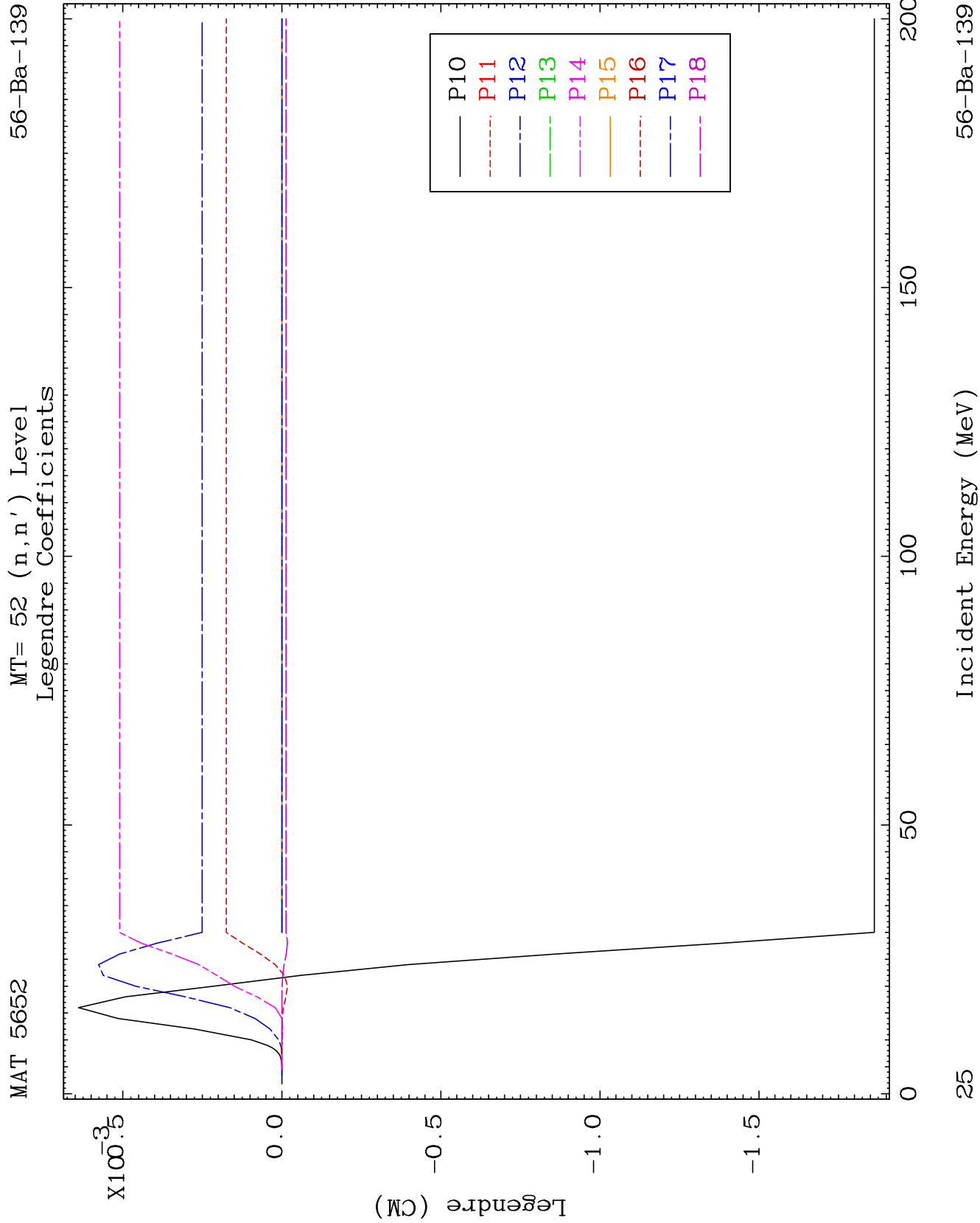
56-Ba-139



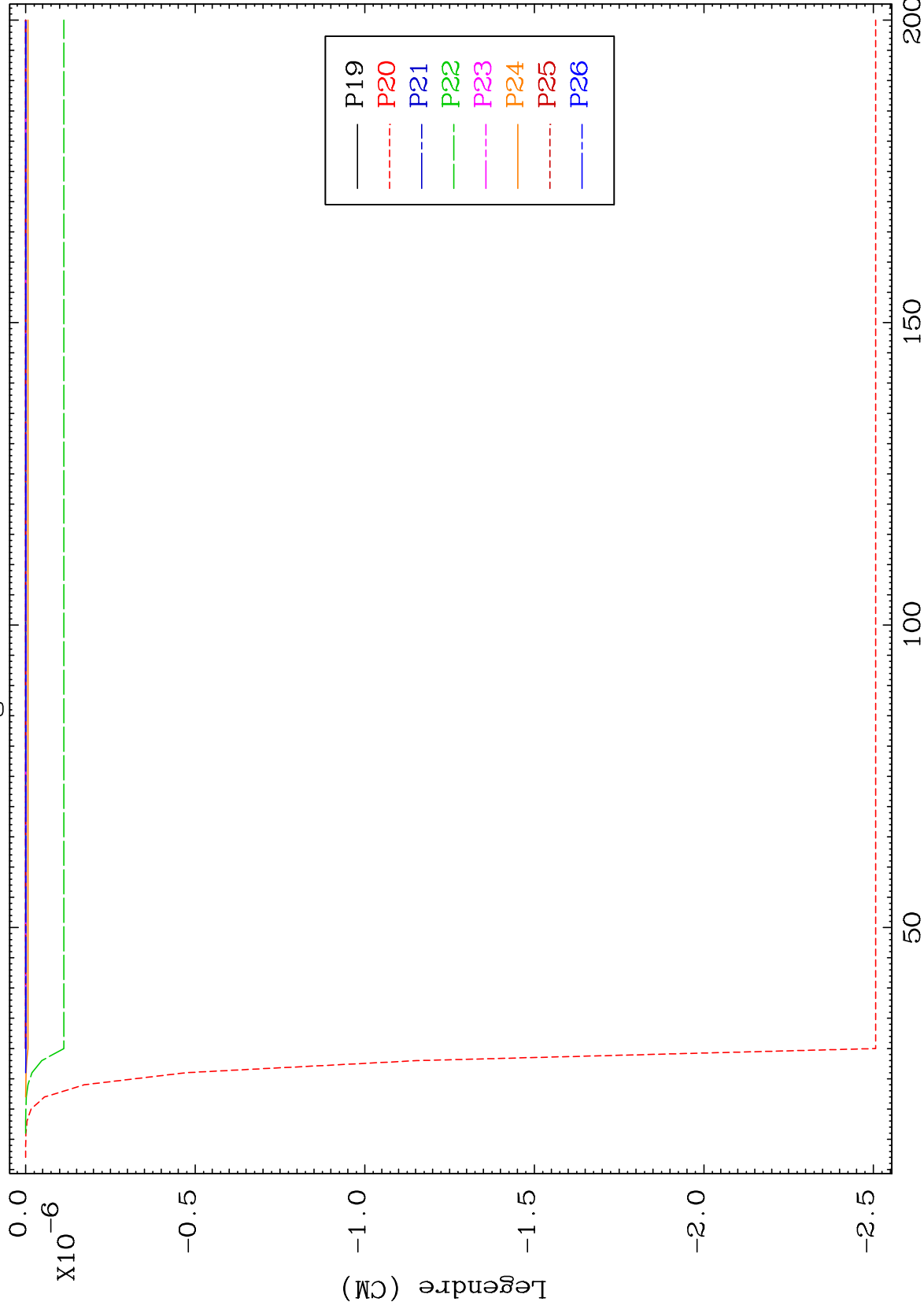
24

Incident Energy (MeV)

56-Ba-139



MAT 5652 MT= 52 (n,n') Level Legendre Coefficients 56-Ba-139

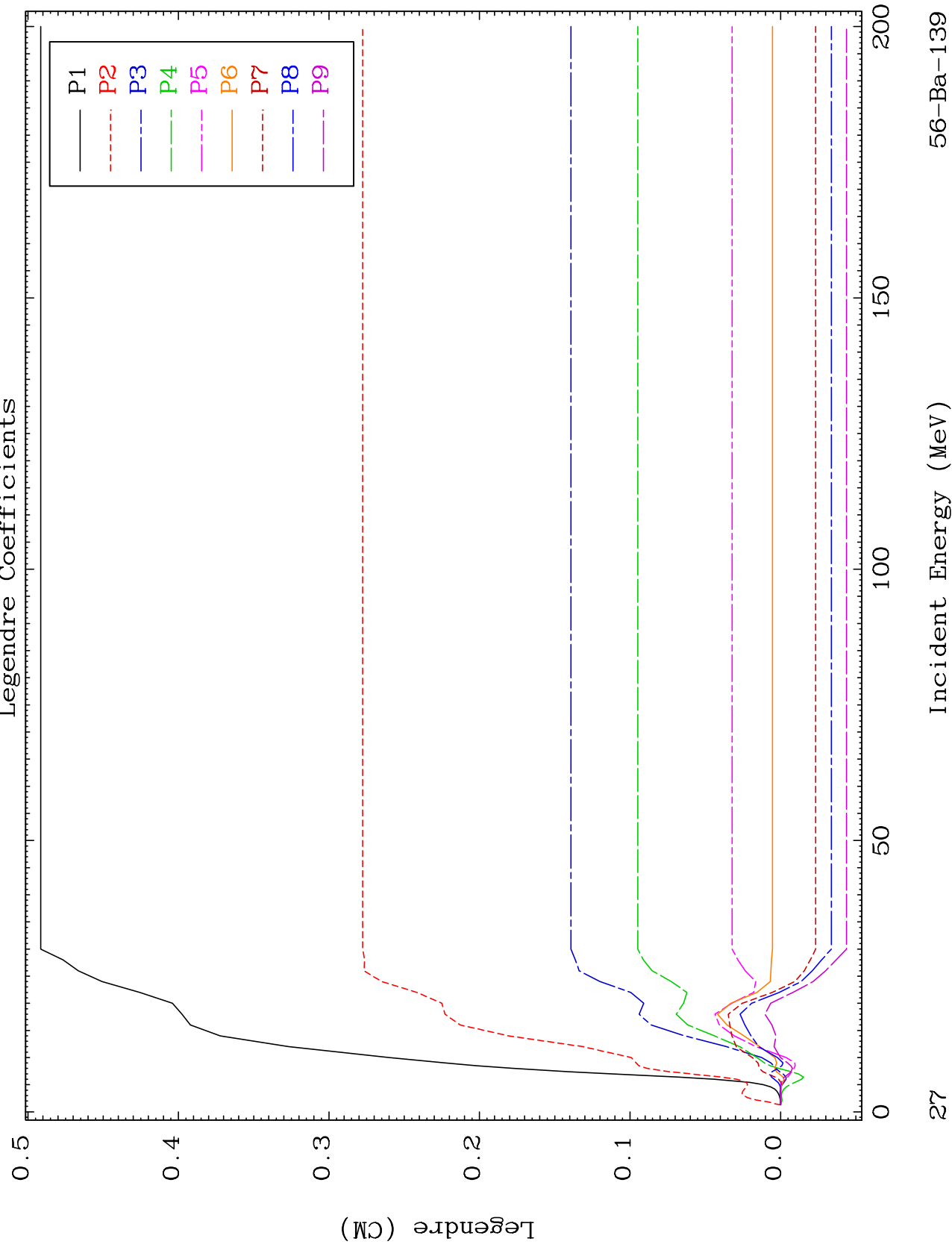


26 Incident Energy (MeV) 56-Ba-139

MAT 5652

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

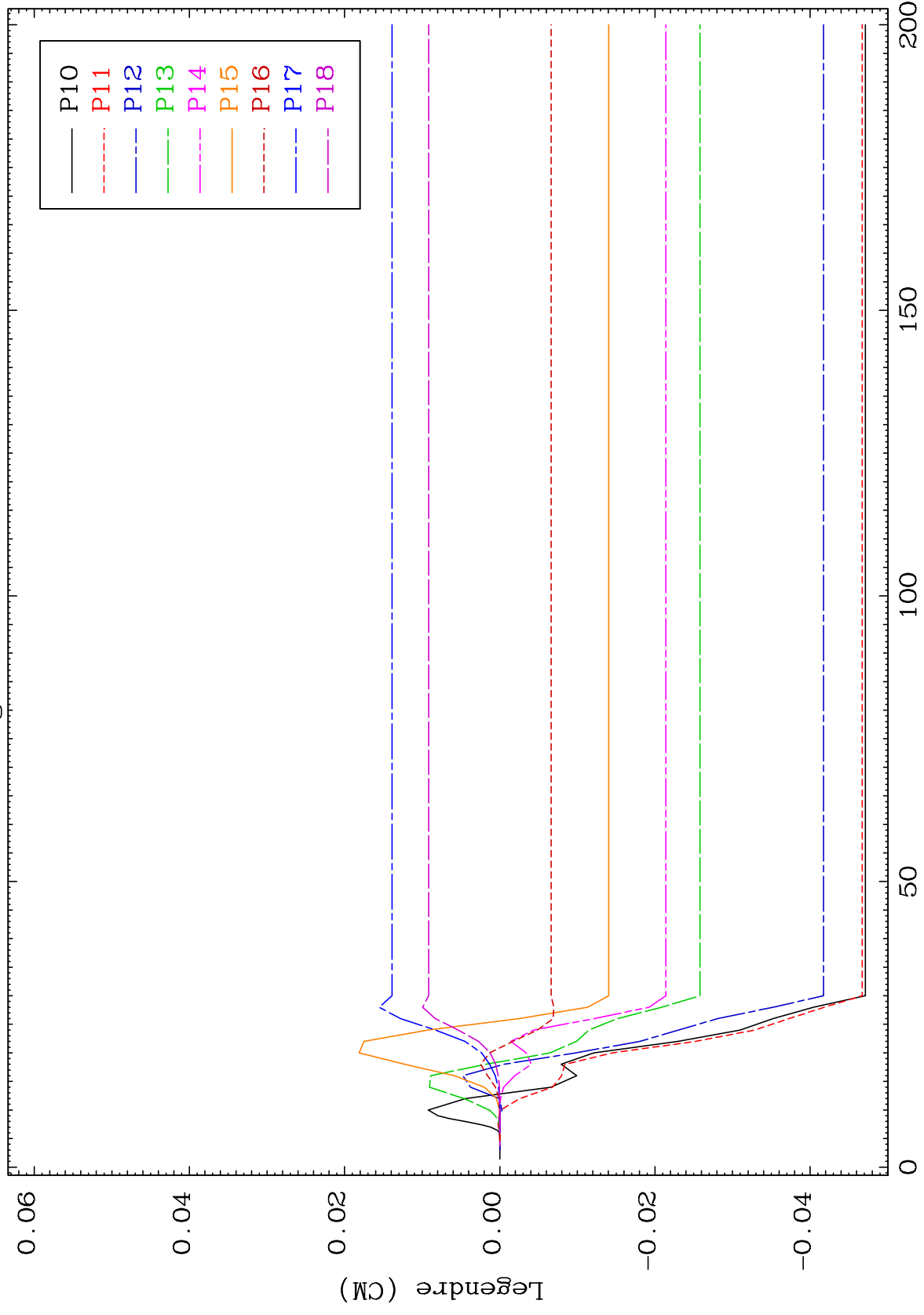
56-Ba-139



MAT 5652

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

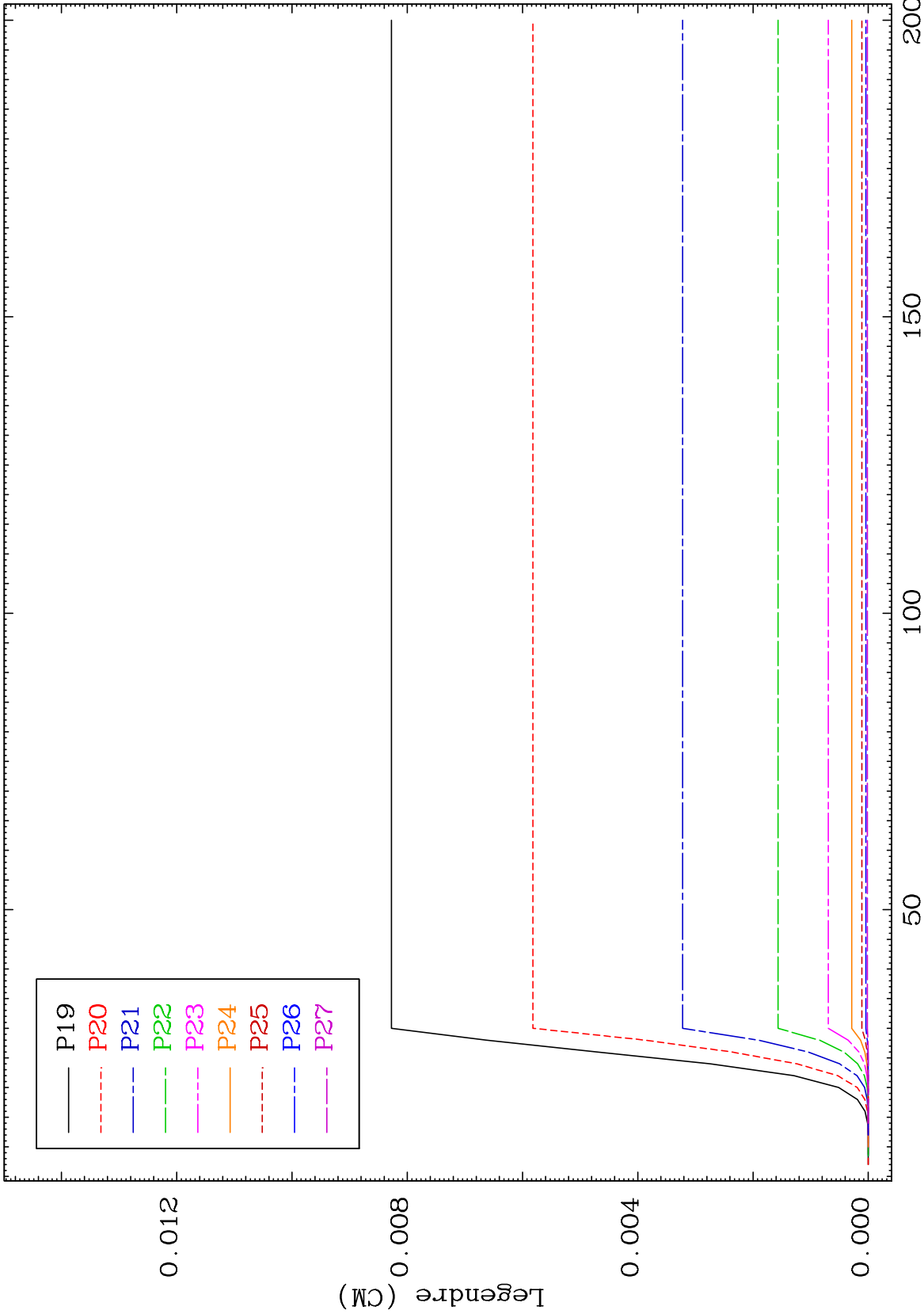
56-Ba-139



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Incident Energy (MeV)

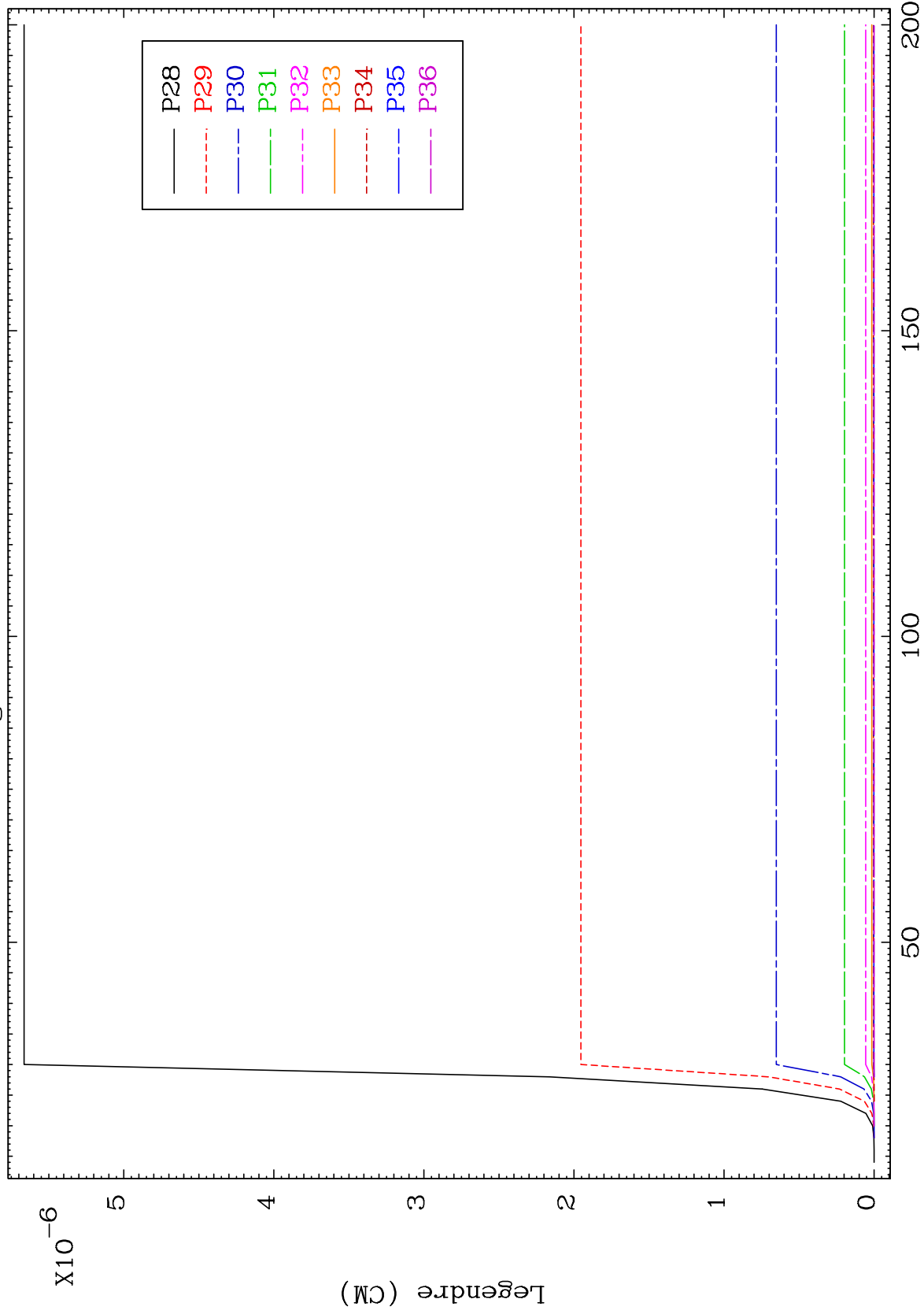
56-Ba-139



MAT 5652

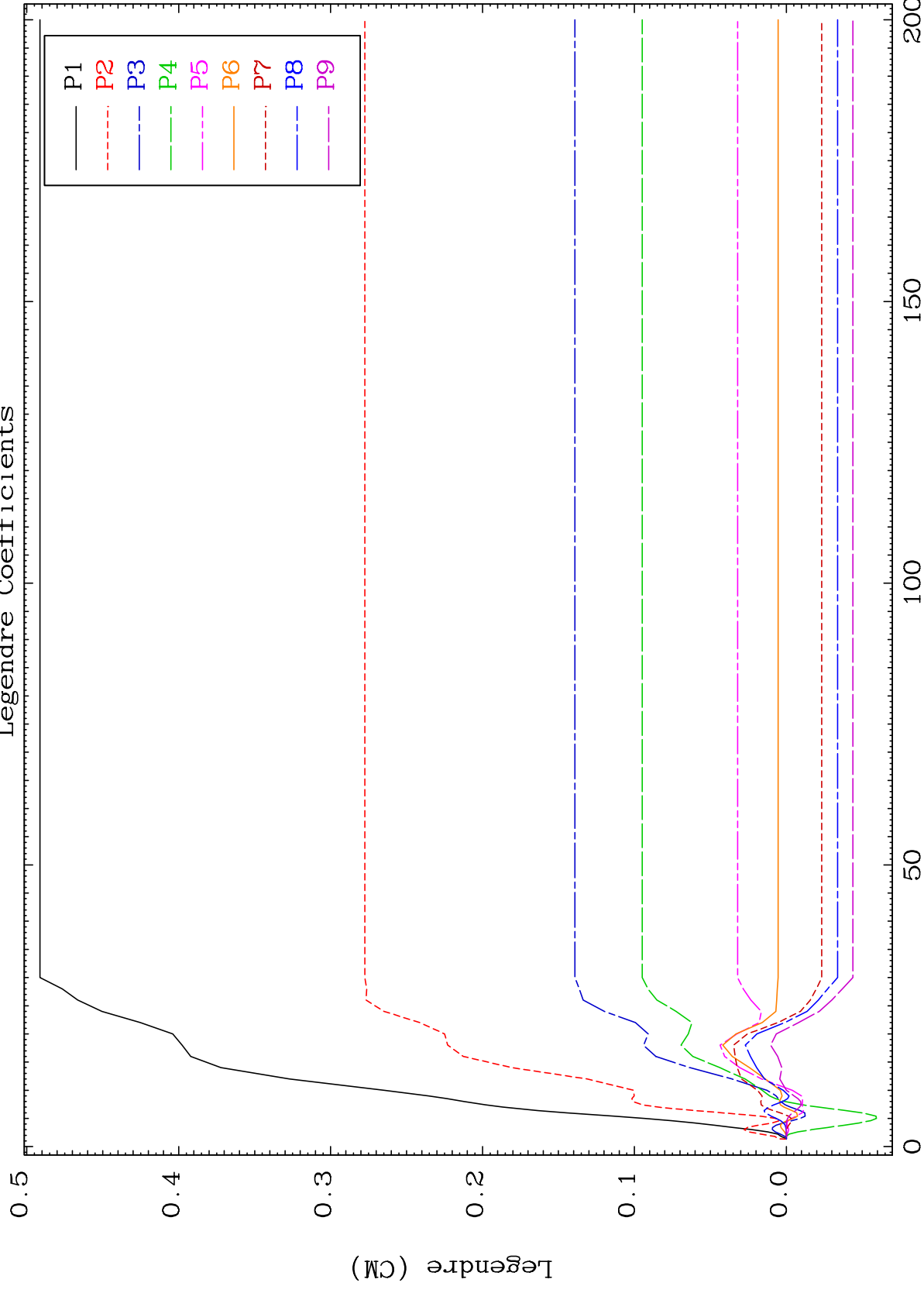
MT= 53 (n,n') Level
Legendre Coefficients

56-Ba-139



56-Ba-139

MAT 5652 MT= 54 (n,n') Level Legendre Coefficients 56-Ba-139

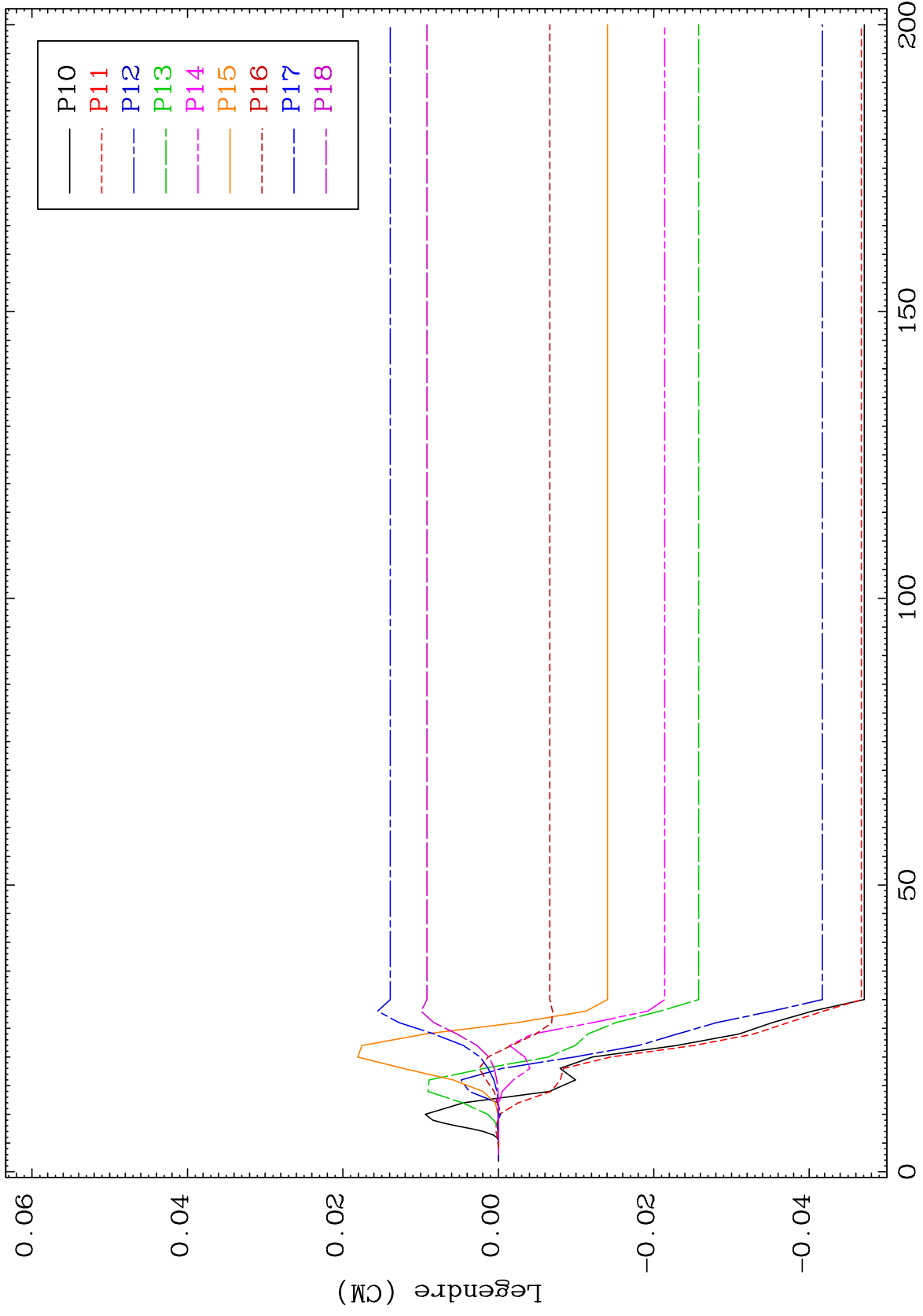


31 56-Ba-139

MAT 5652

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

56-Ba-139



32

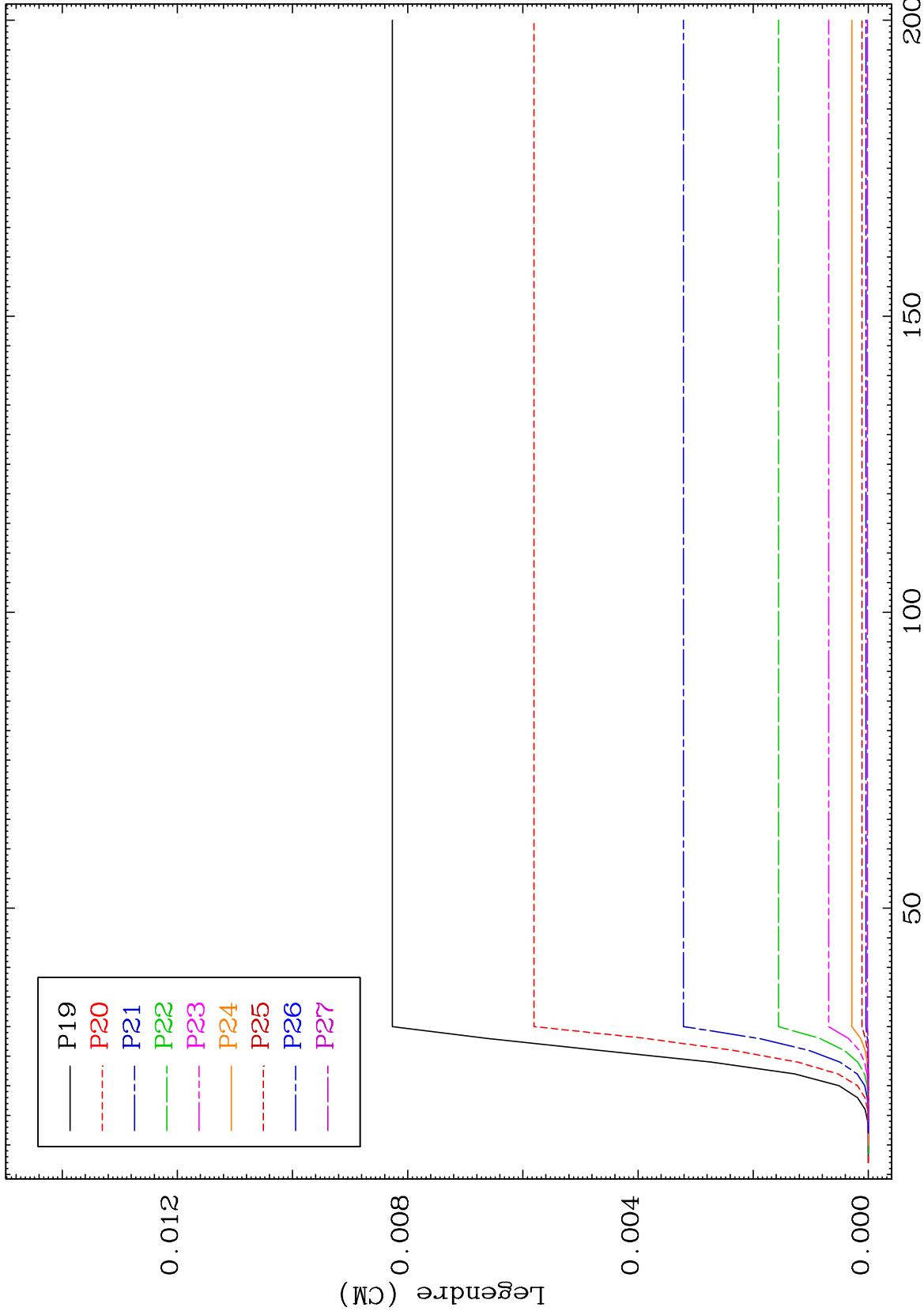
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139



33

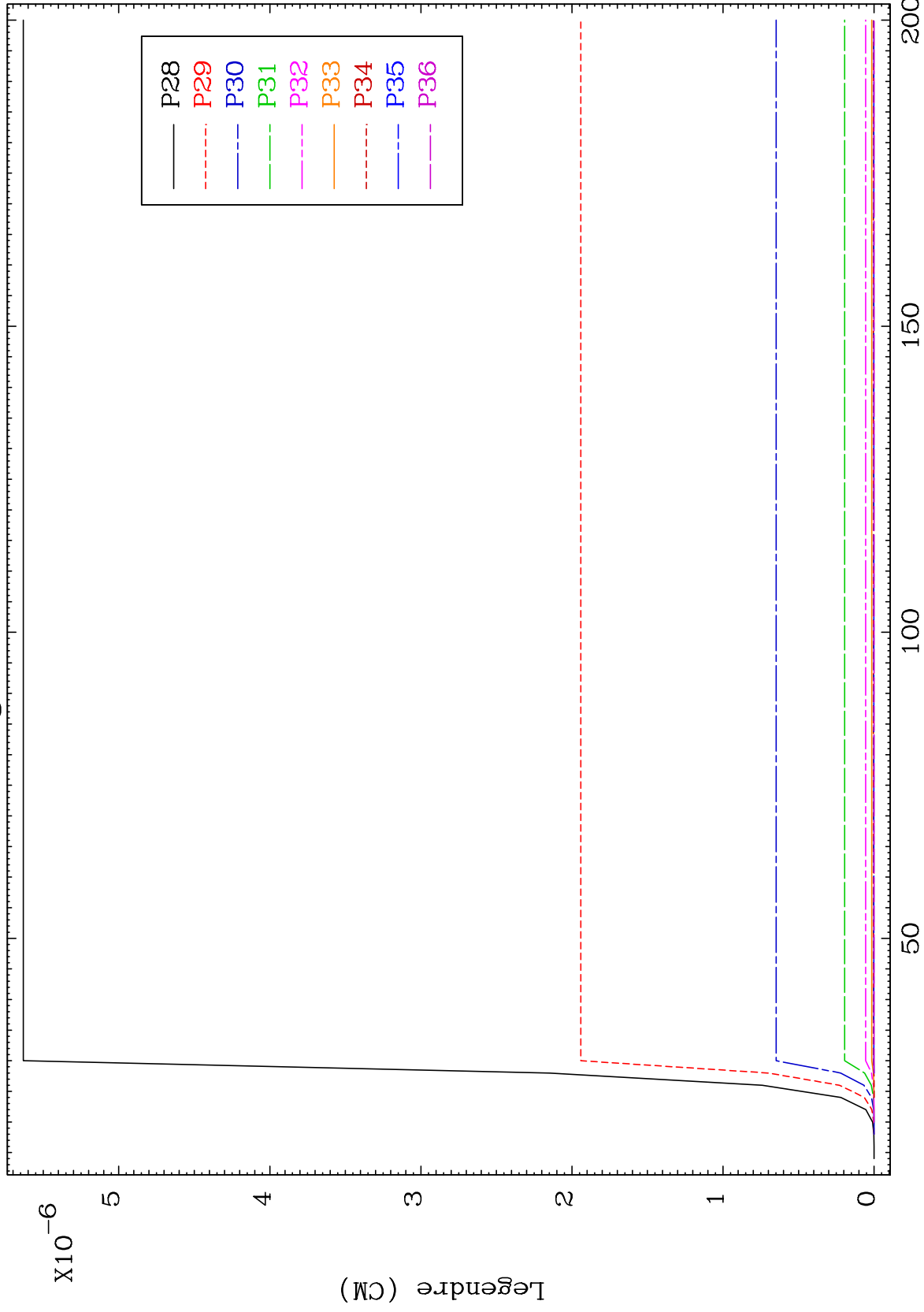
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

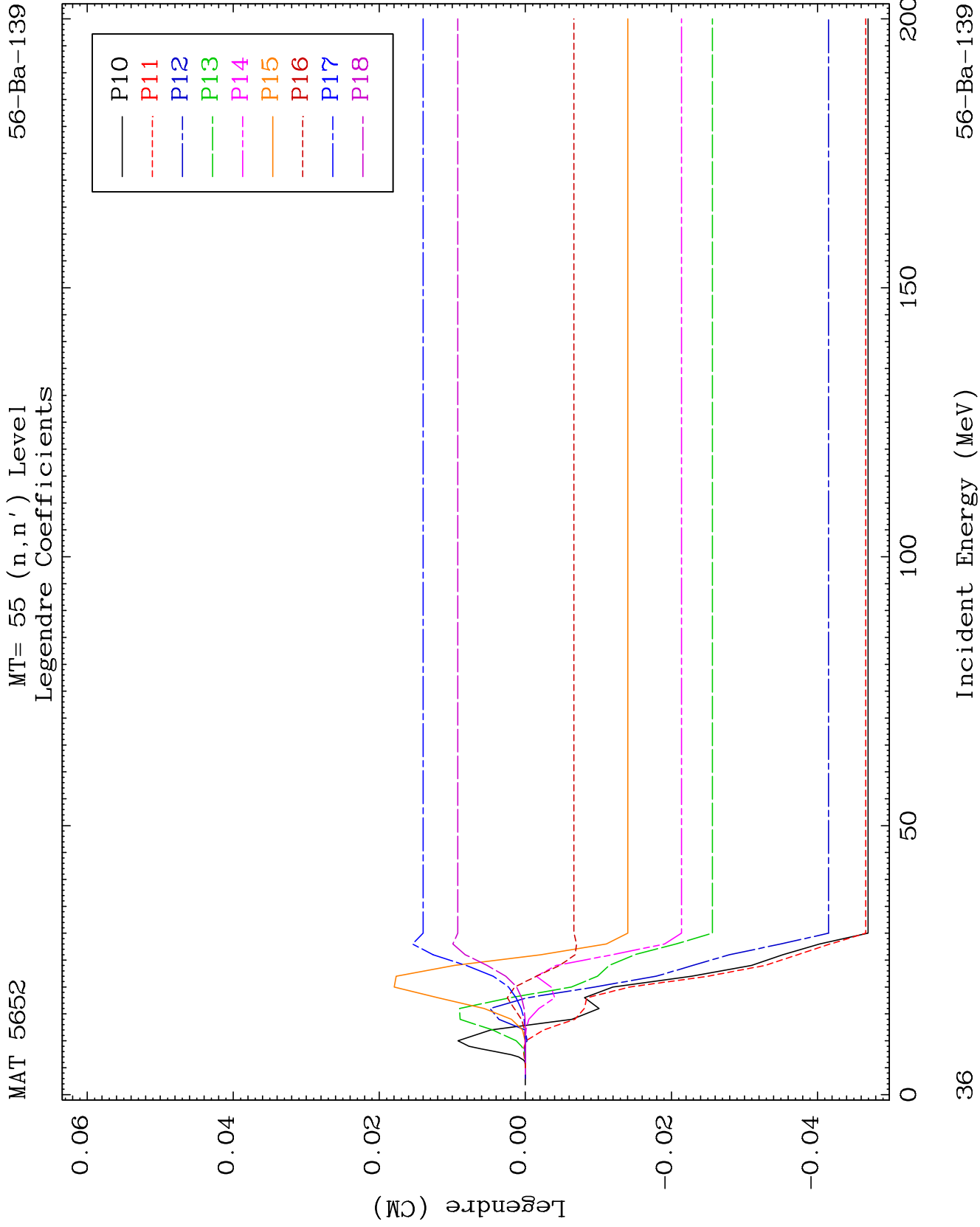
56-Ba-139

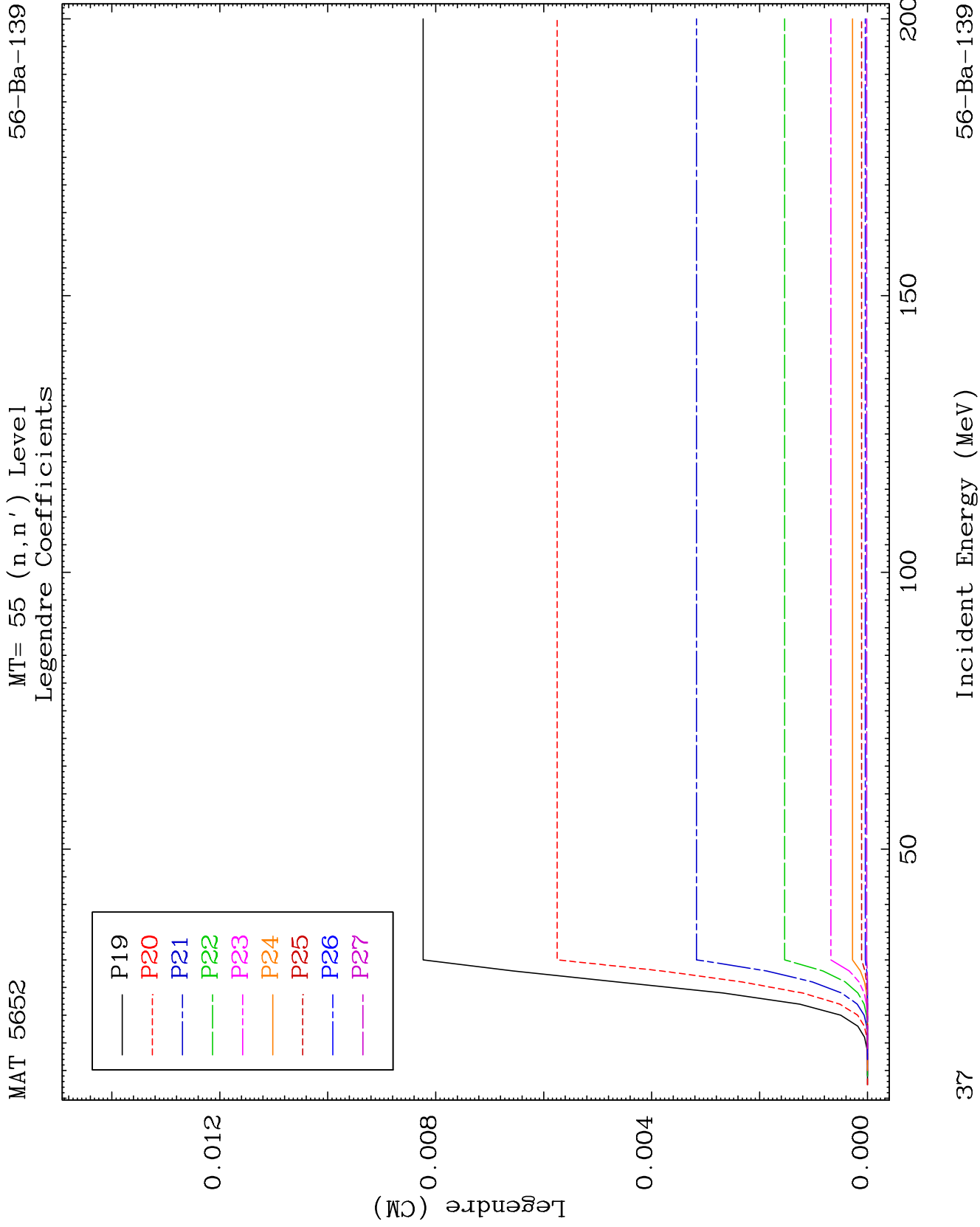


34

Incident Energy (MeV)

56-Ba-139

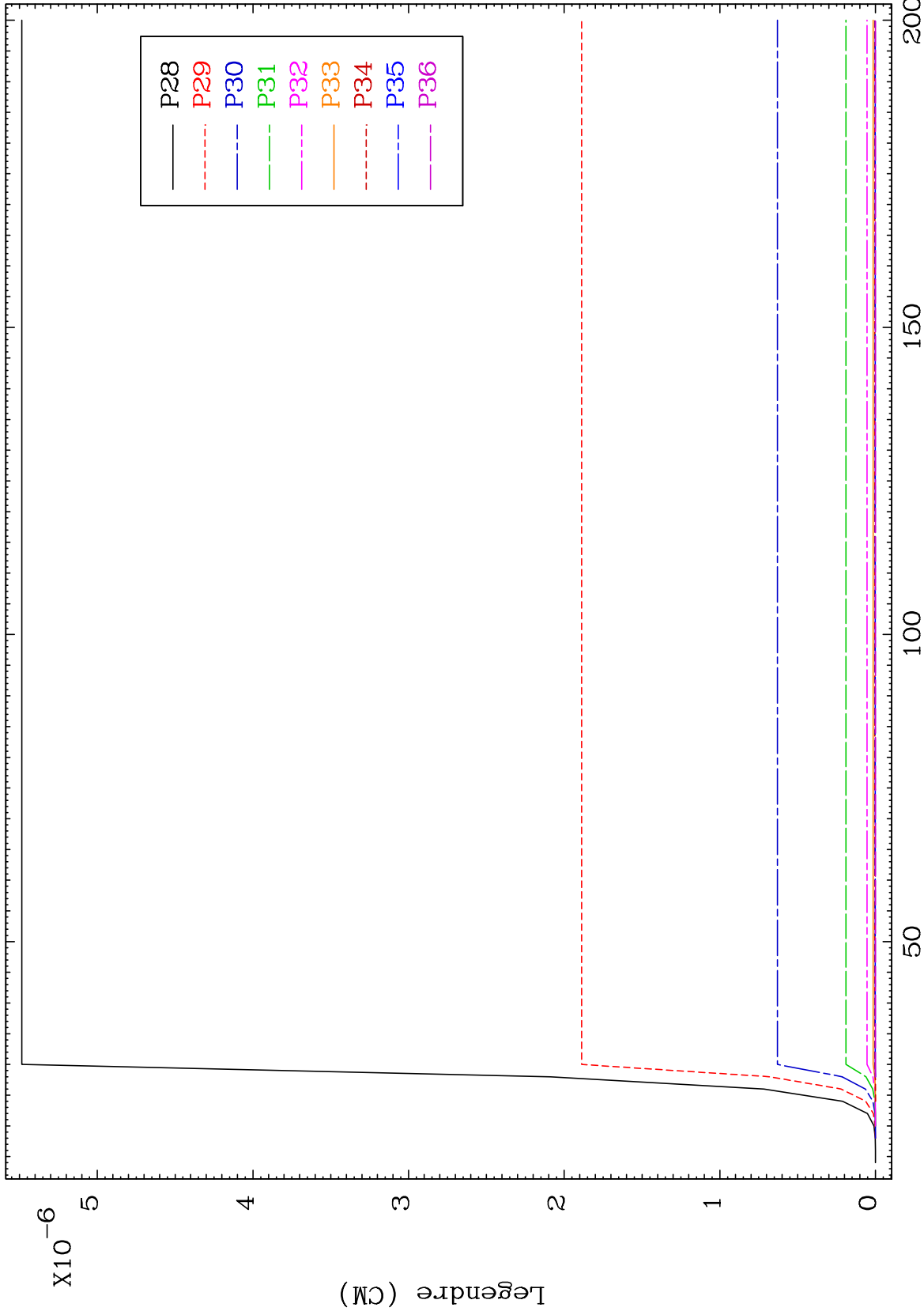




MAT 5652

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

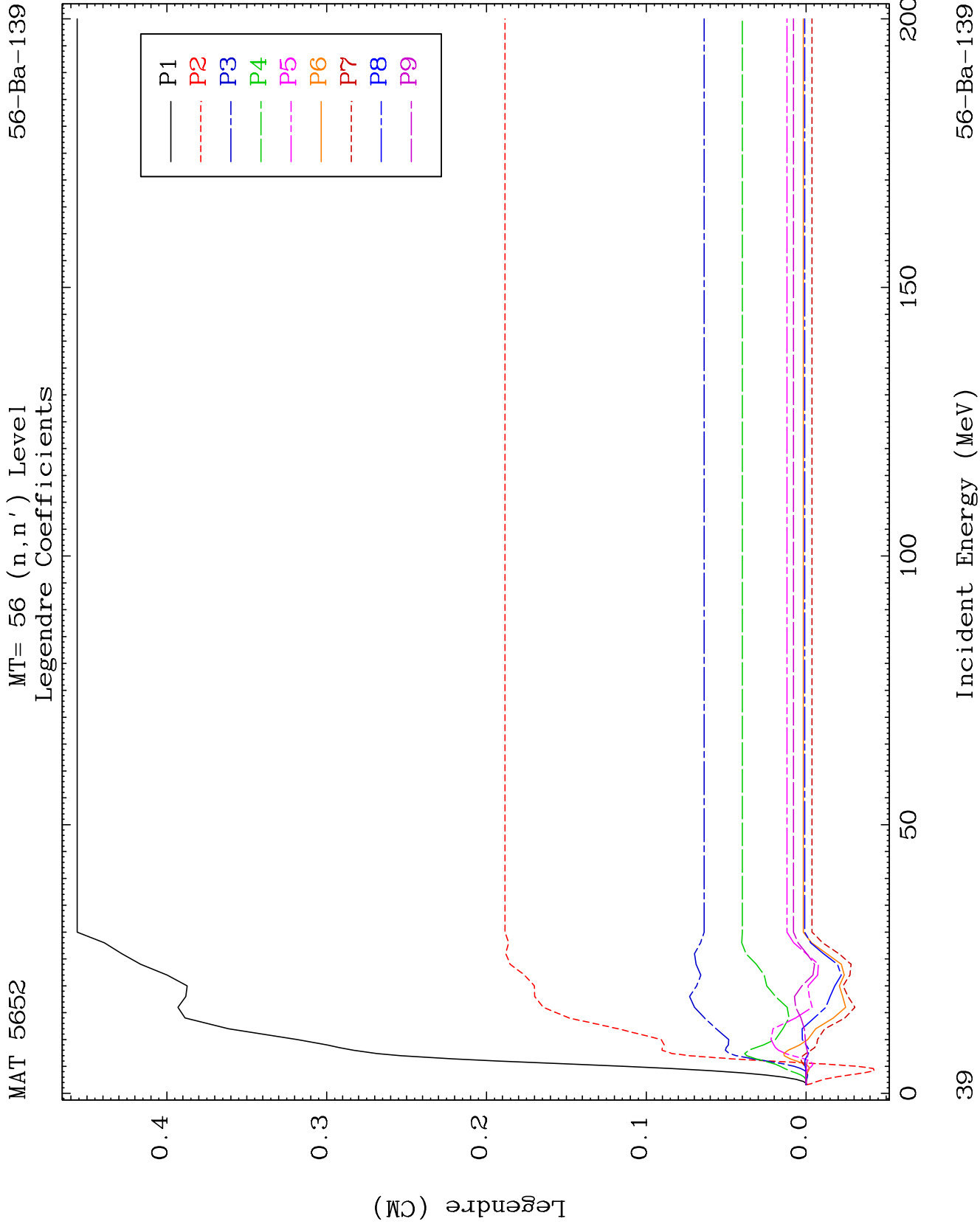
56-Ba-139

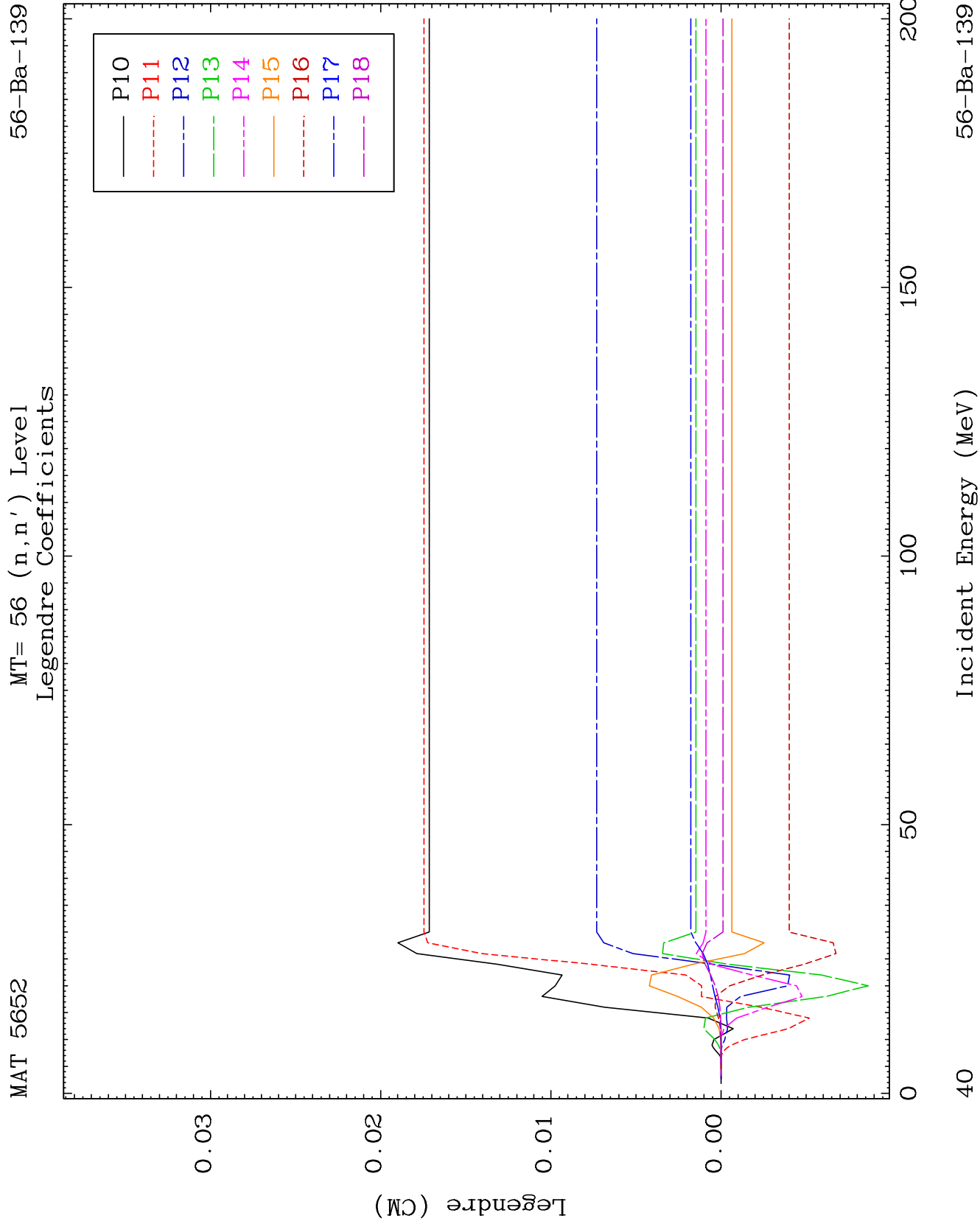


38

Incident Energy (MeV)

56-Ba-139

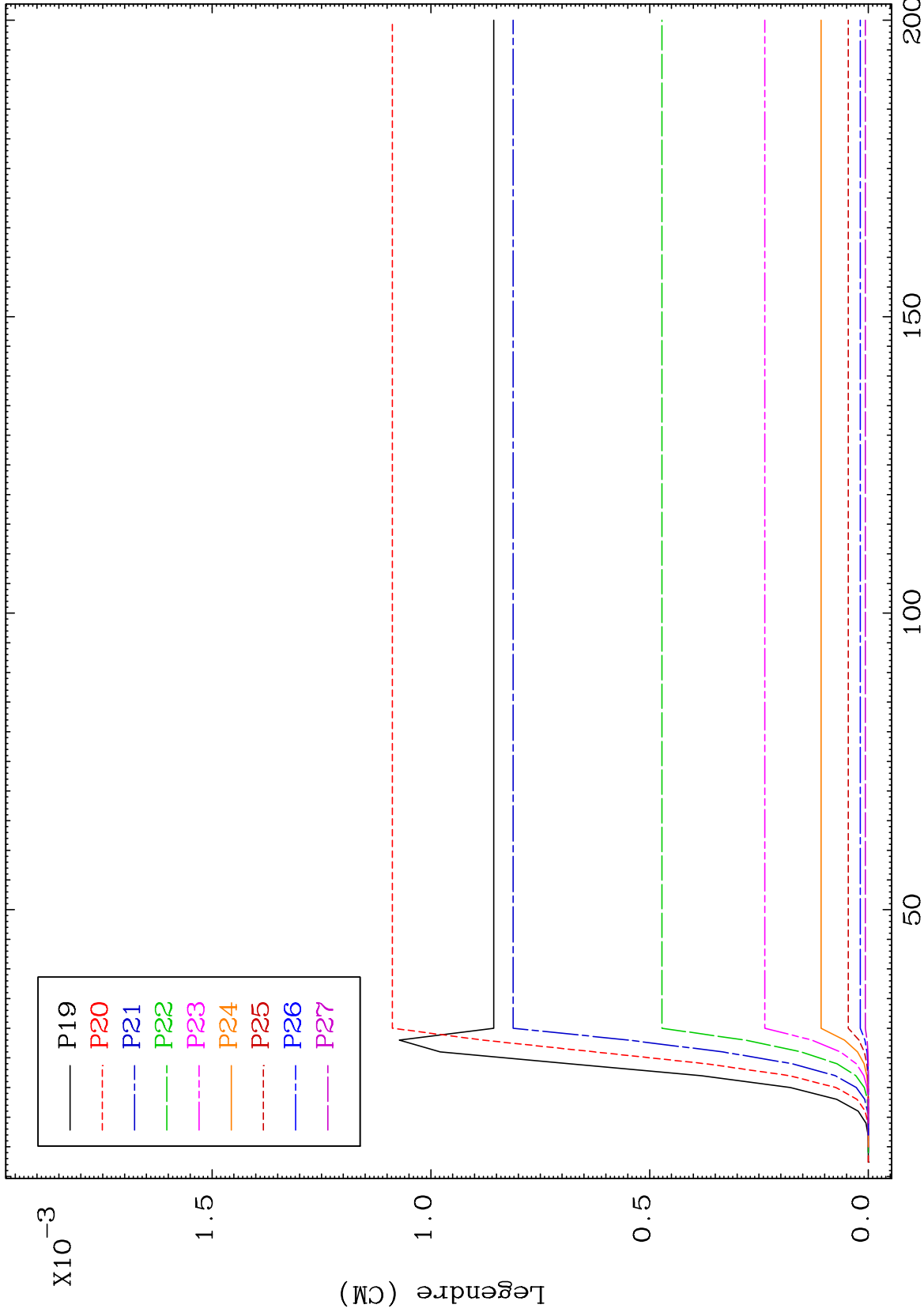




MAT 5652

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

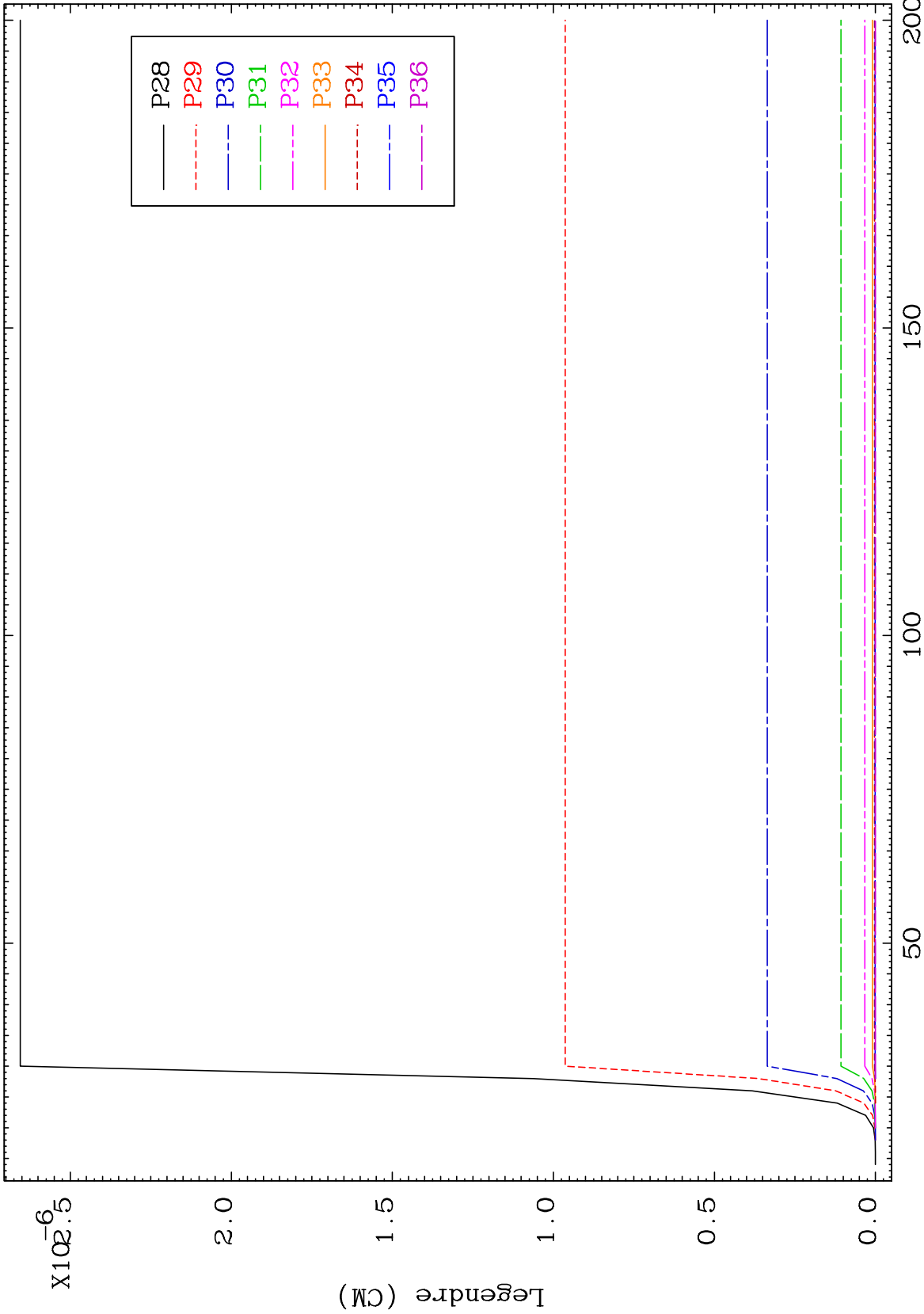
56-Ba-139



41

Incident Energy (MeV)

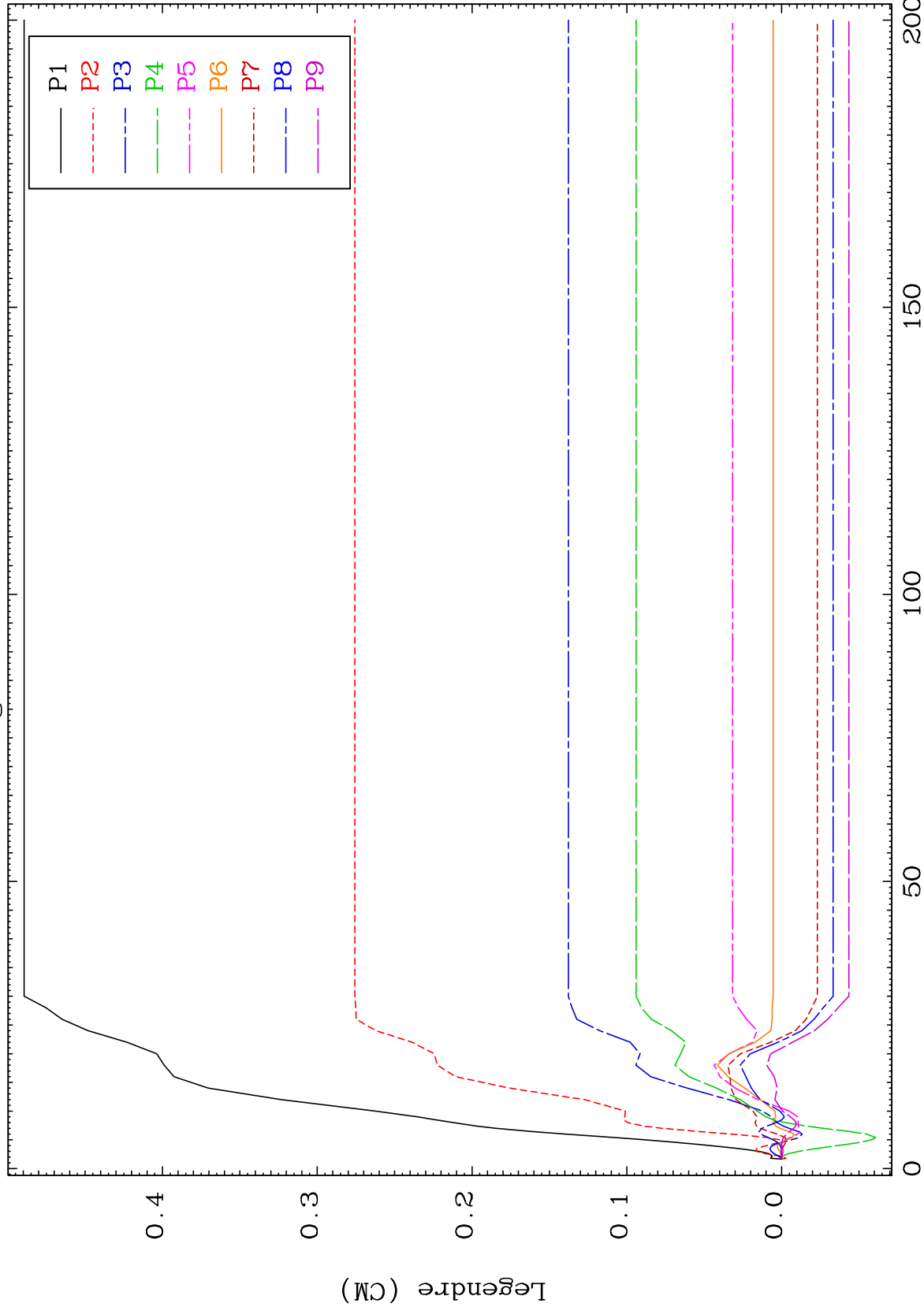
56-Ba-139



MAT 5652

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

56-Ba-139



43

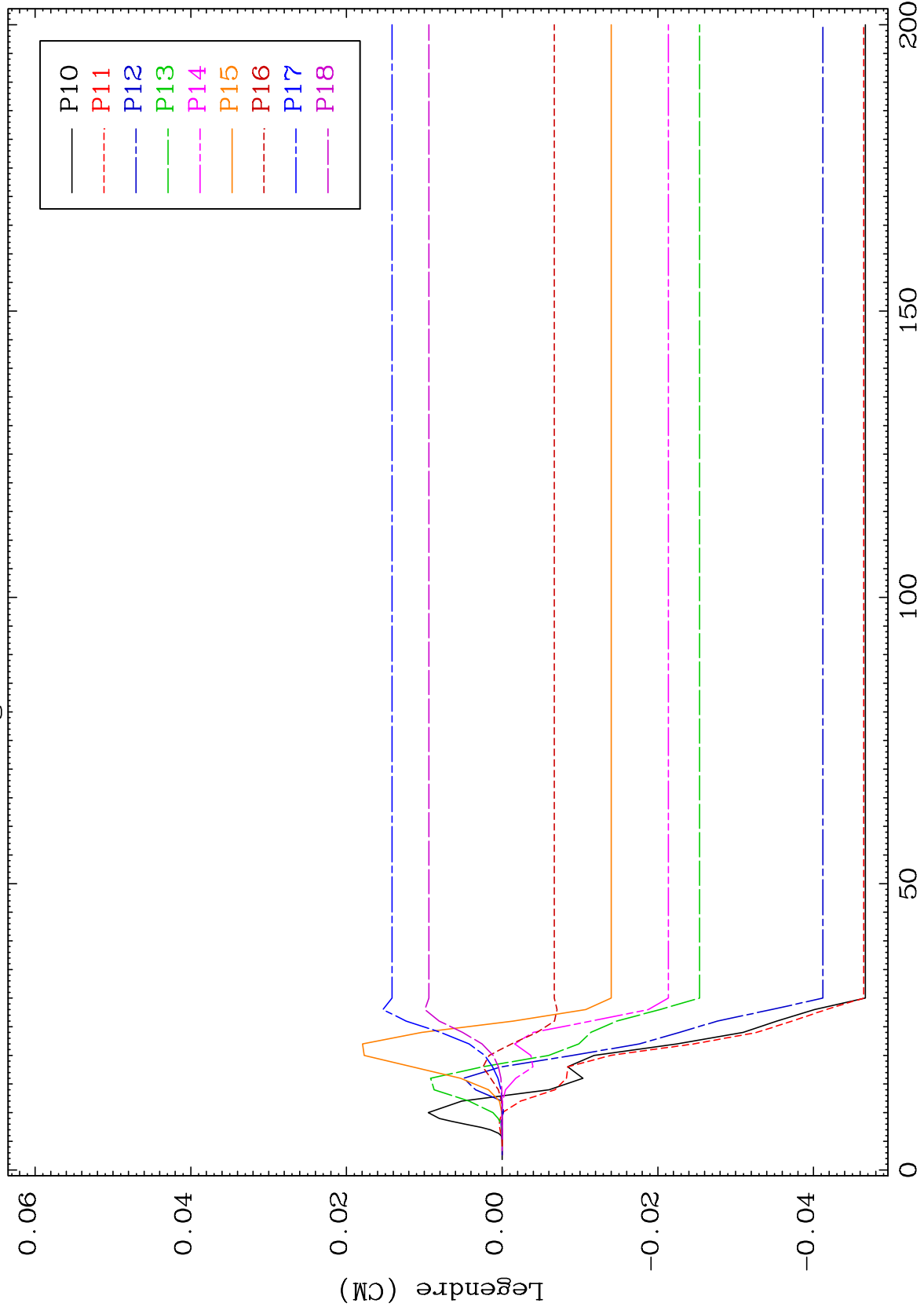
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139



44

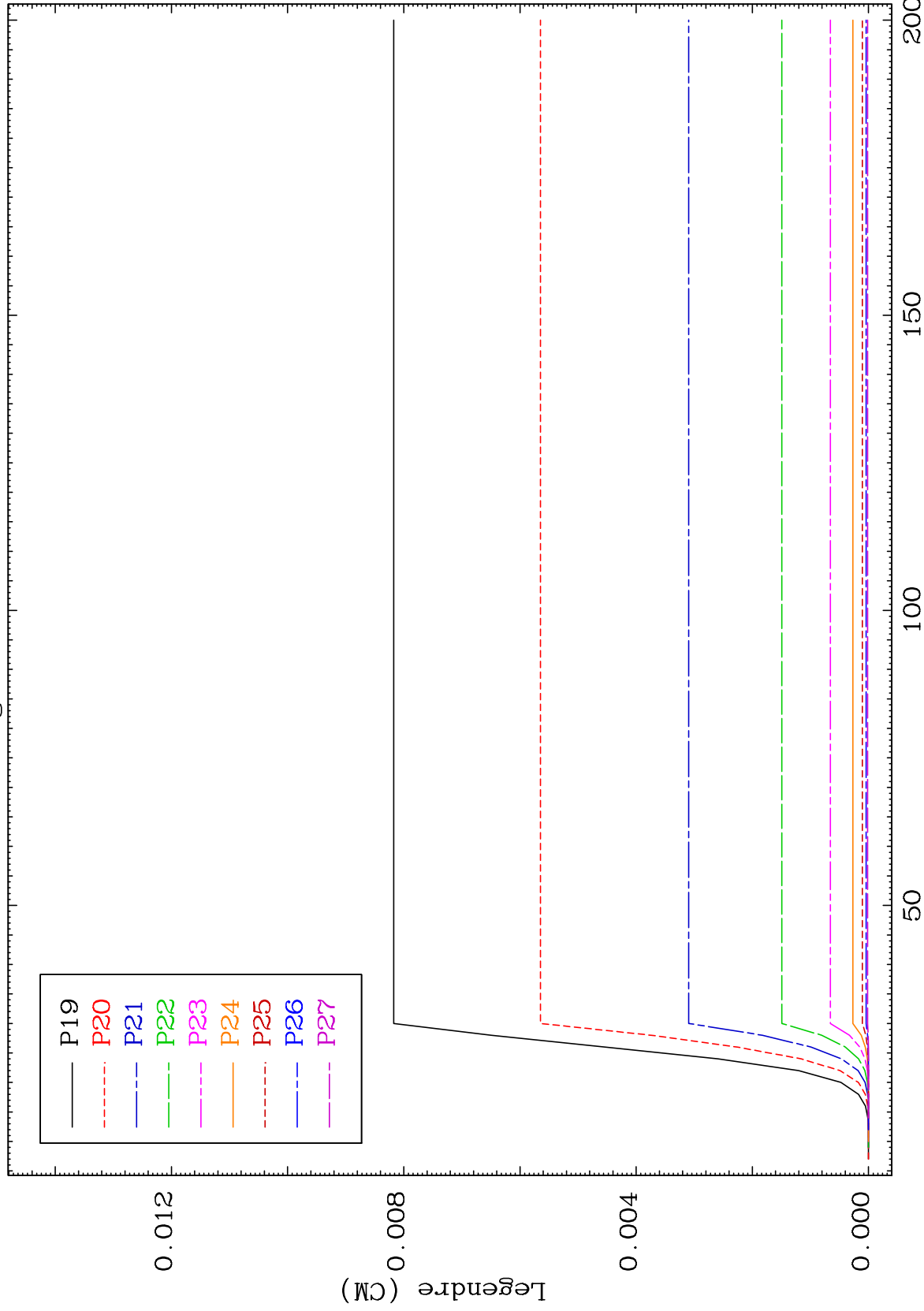
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139



45

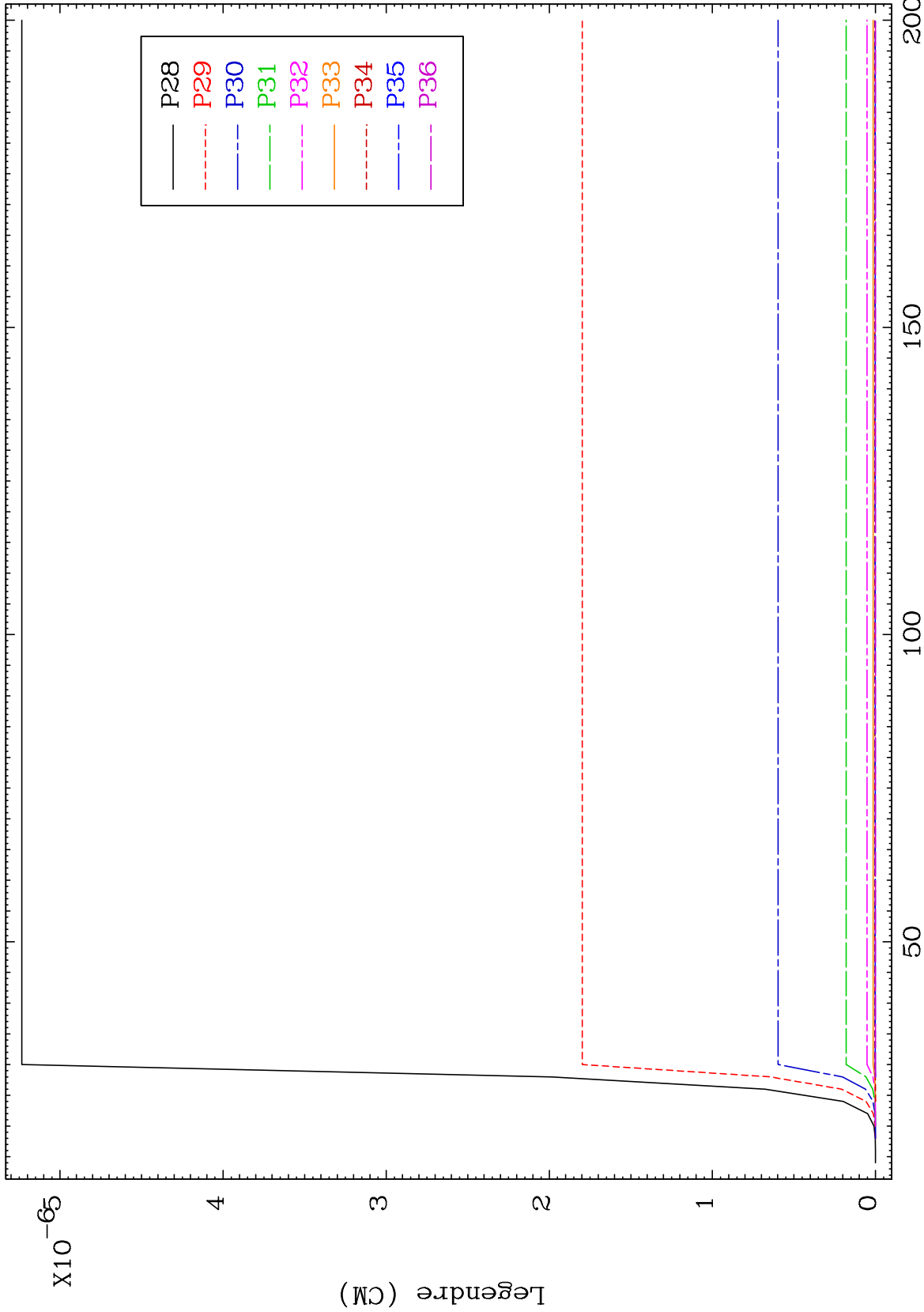
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139

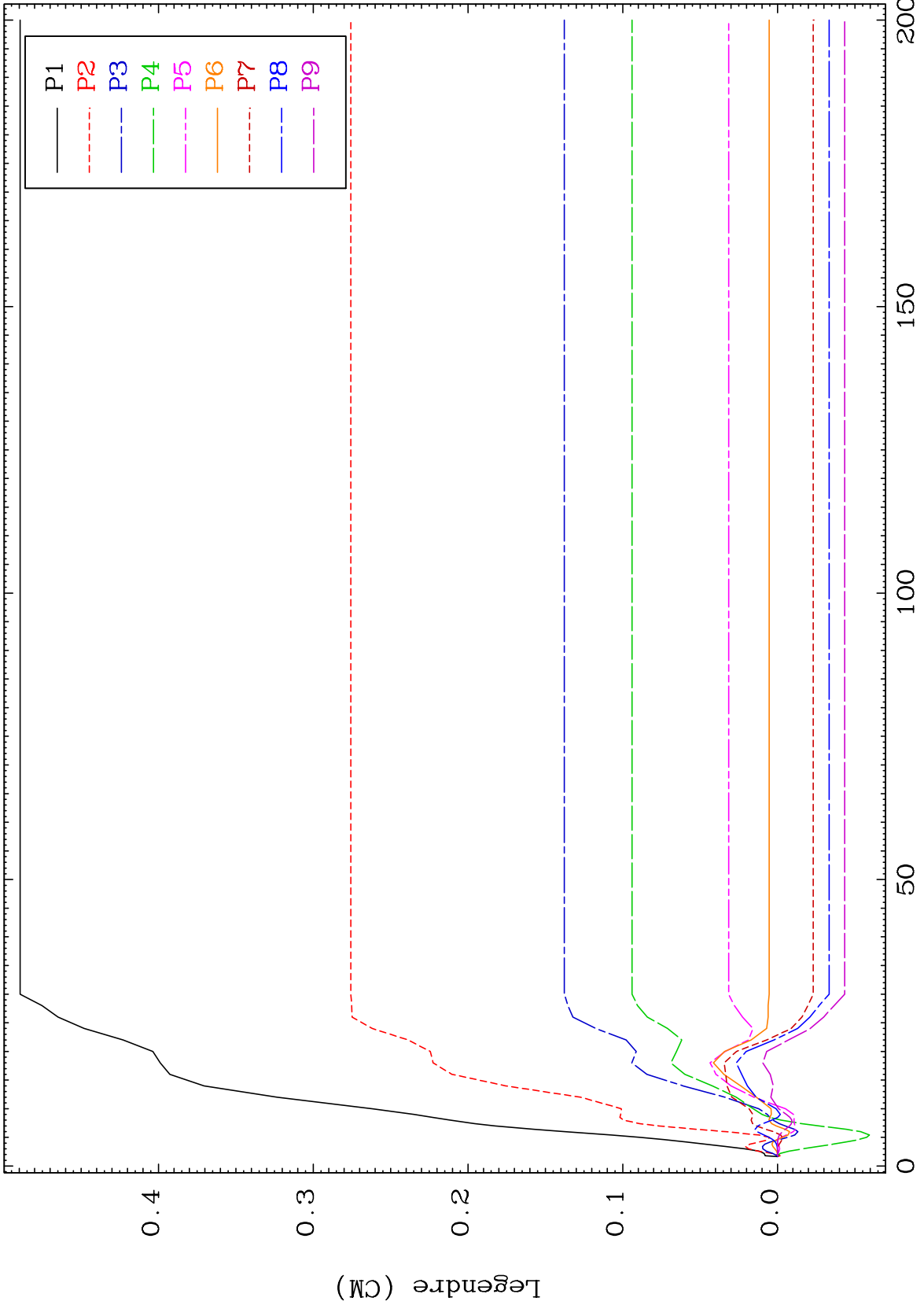


46

Incident Energy (MeV)

56-Ba-139

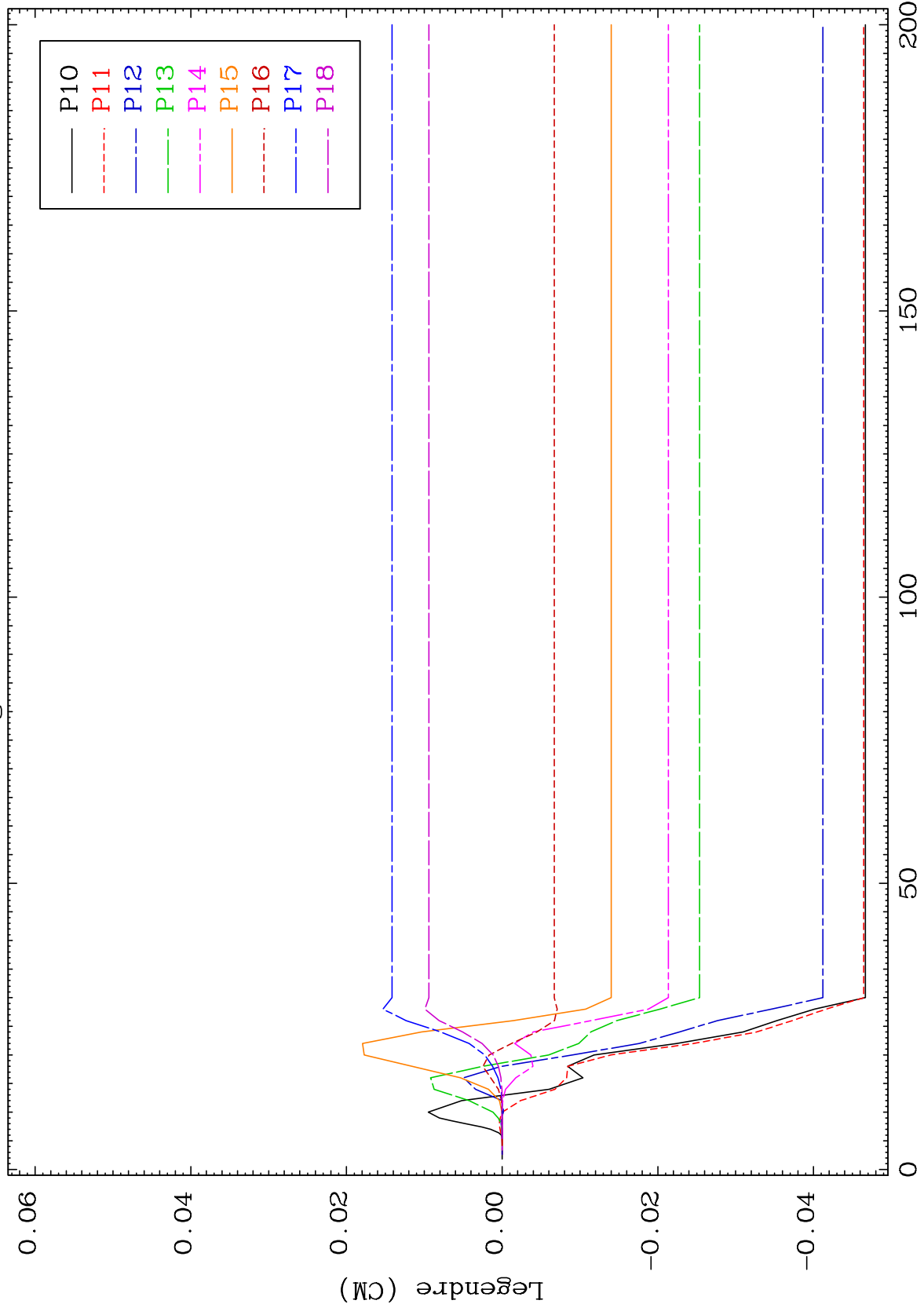
MAT 5652 MT= 58 (n,n') Level Legendre Coefficients 56-Ba-139



MAT 5652

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

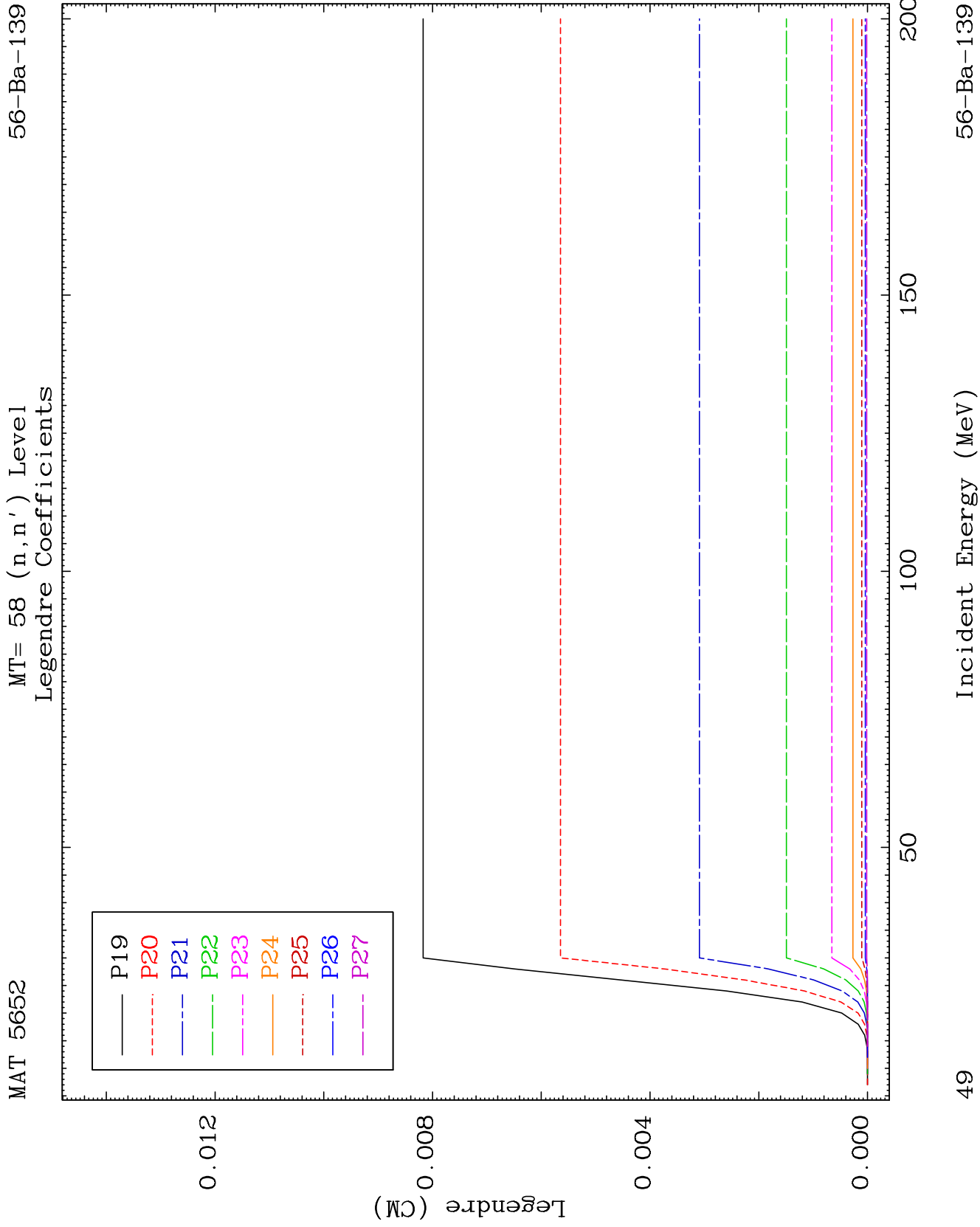
56-Ba-139



48

Incident Energy (MeV)

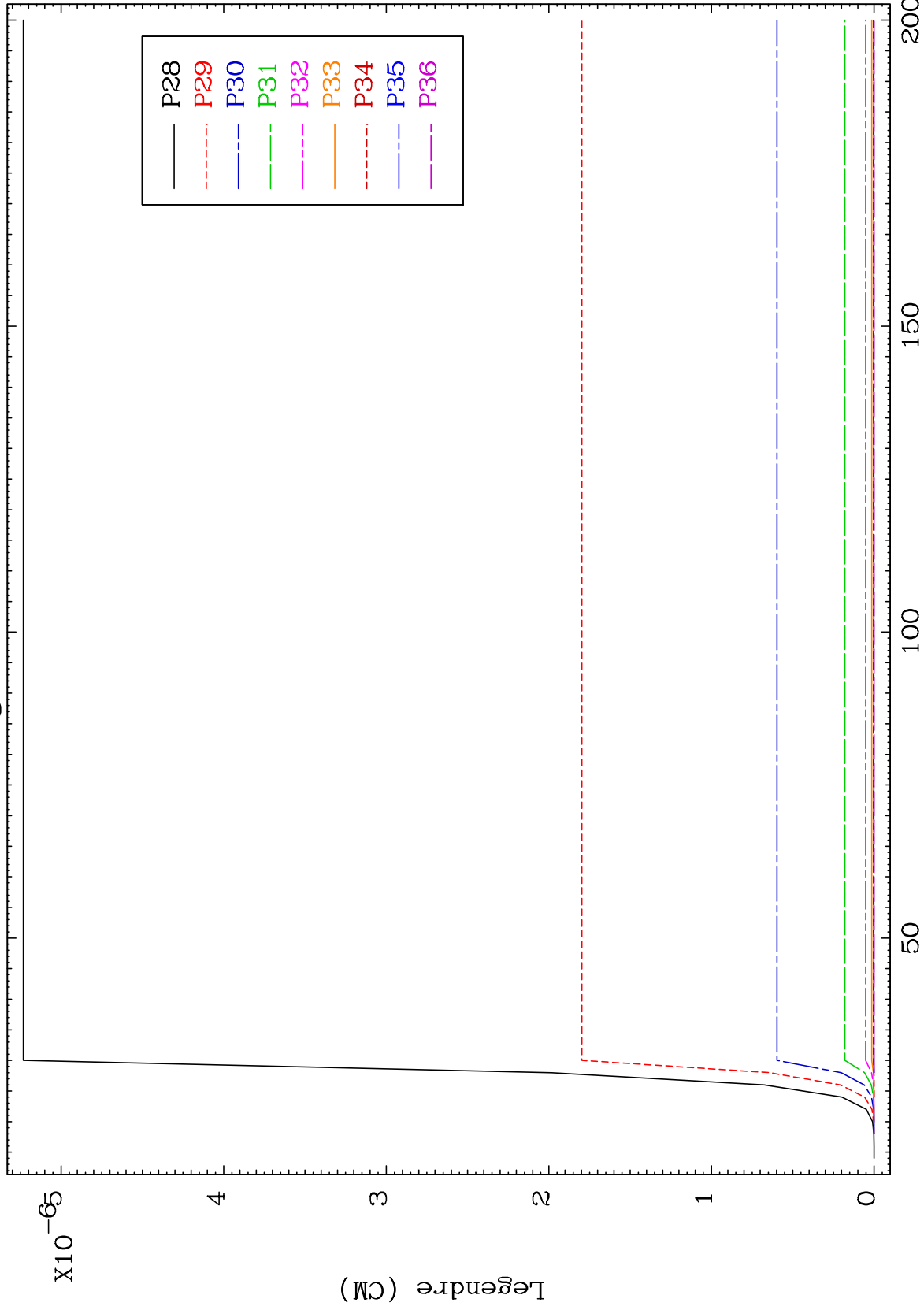
56-Ba-139



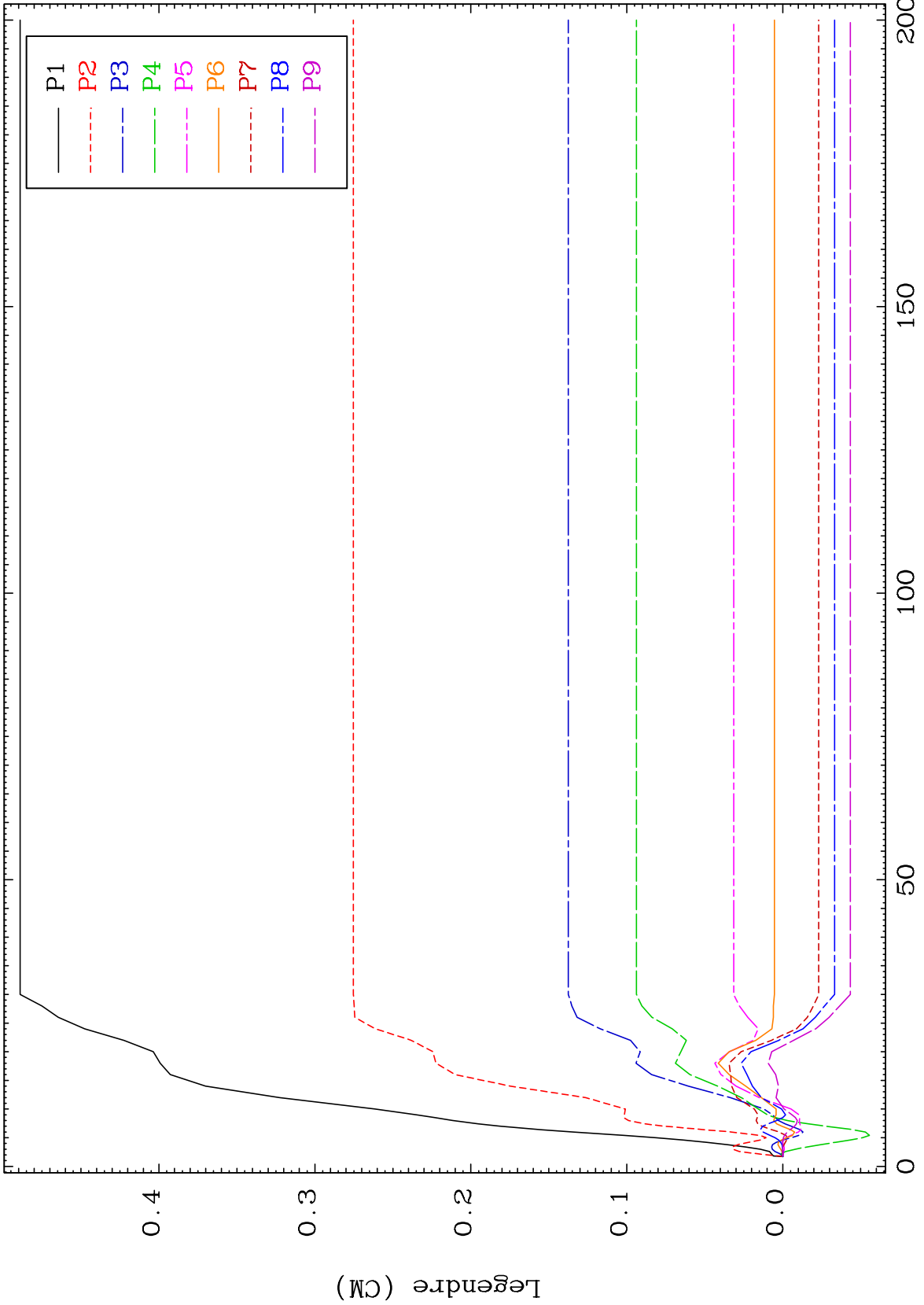
MAT 5652

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

56-Ba-139



MAT 5652 MT= 59 (n,n') Level Legendre Coefficients 56-Ba-139

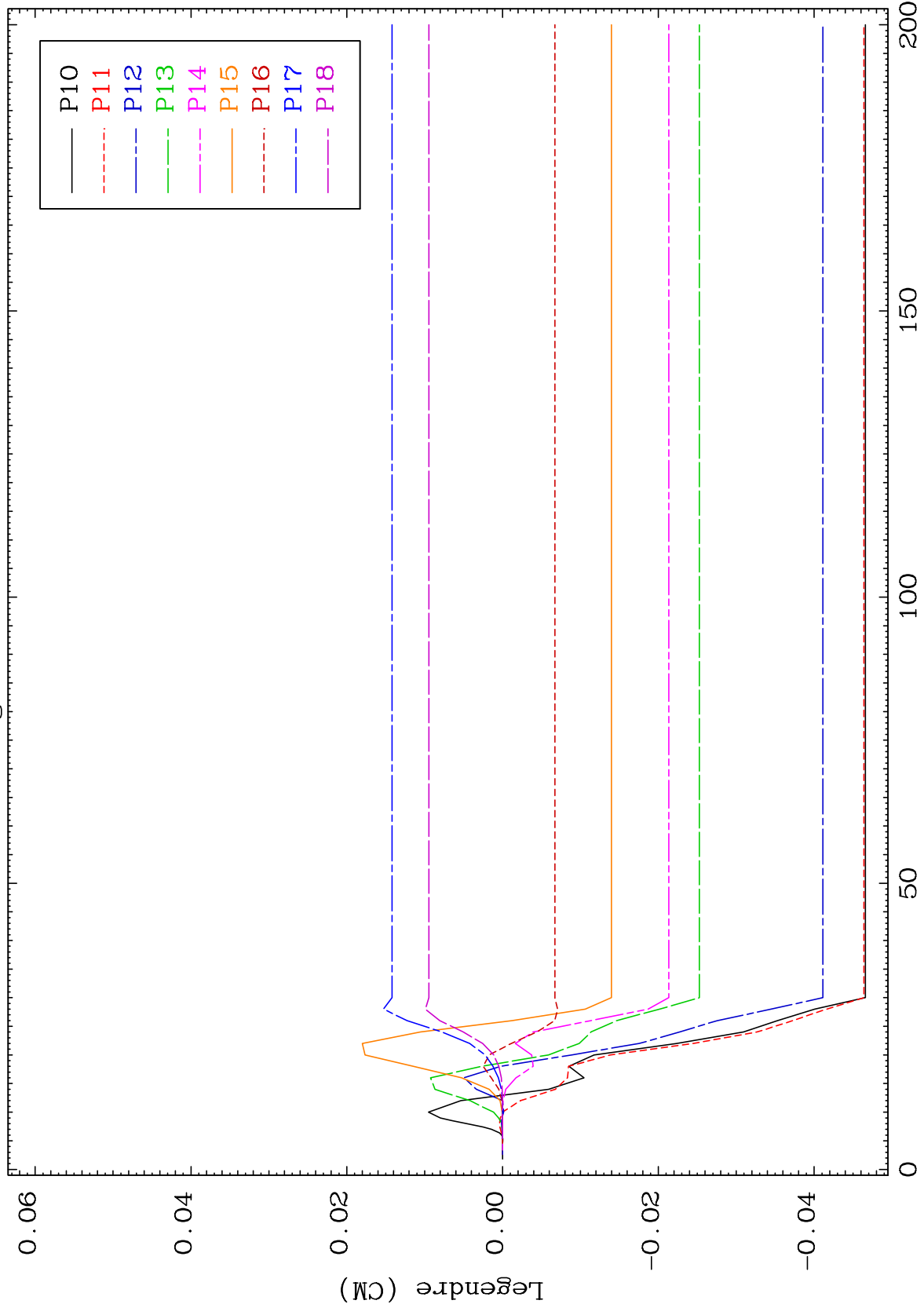


51 56-Ba-139

MAT 5652

MT= 59 (n, n') Level
Legendre Coefficients

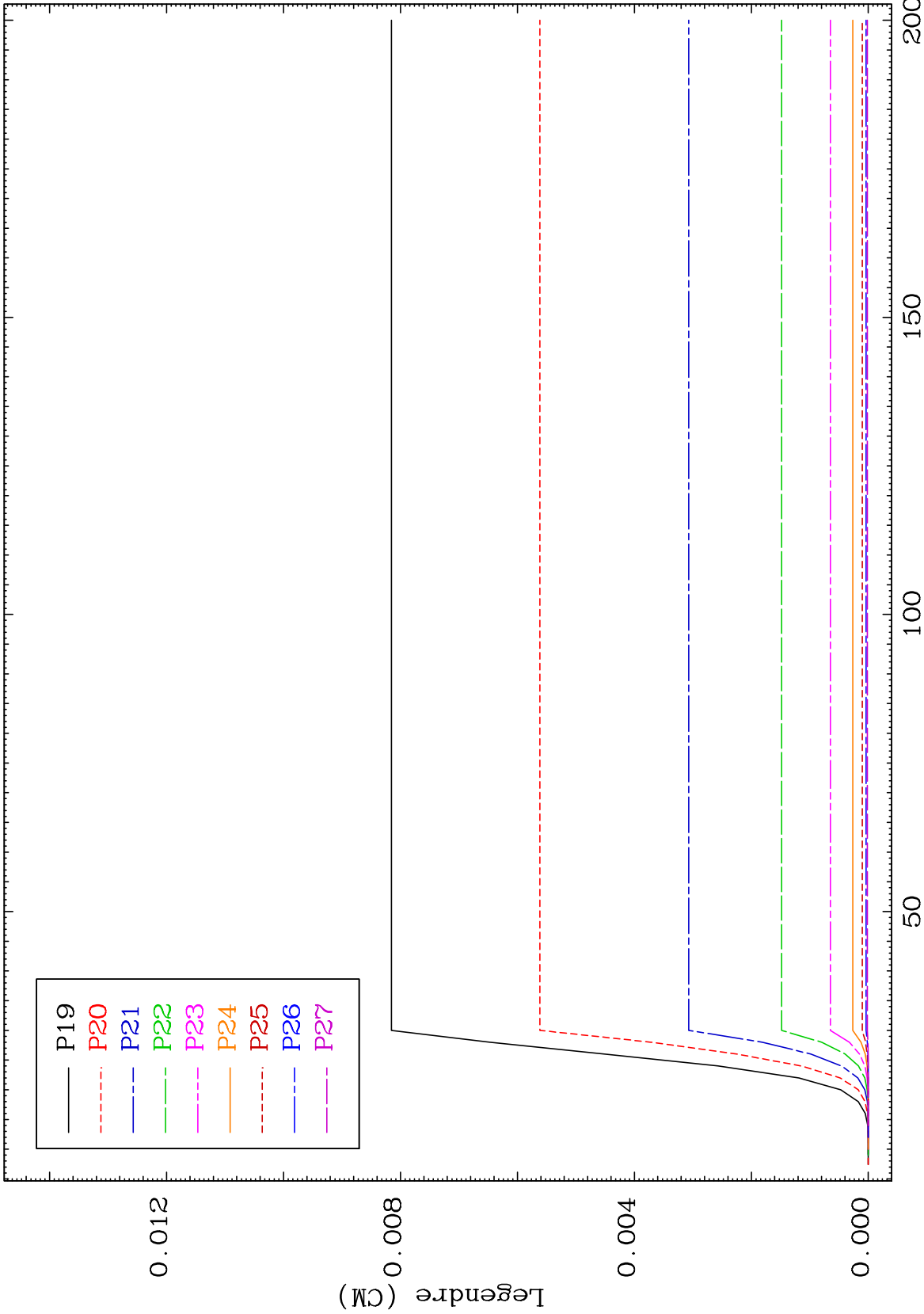
56-Ba-139



52

Incident Energy (MeV)

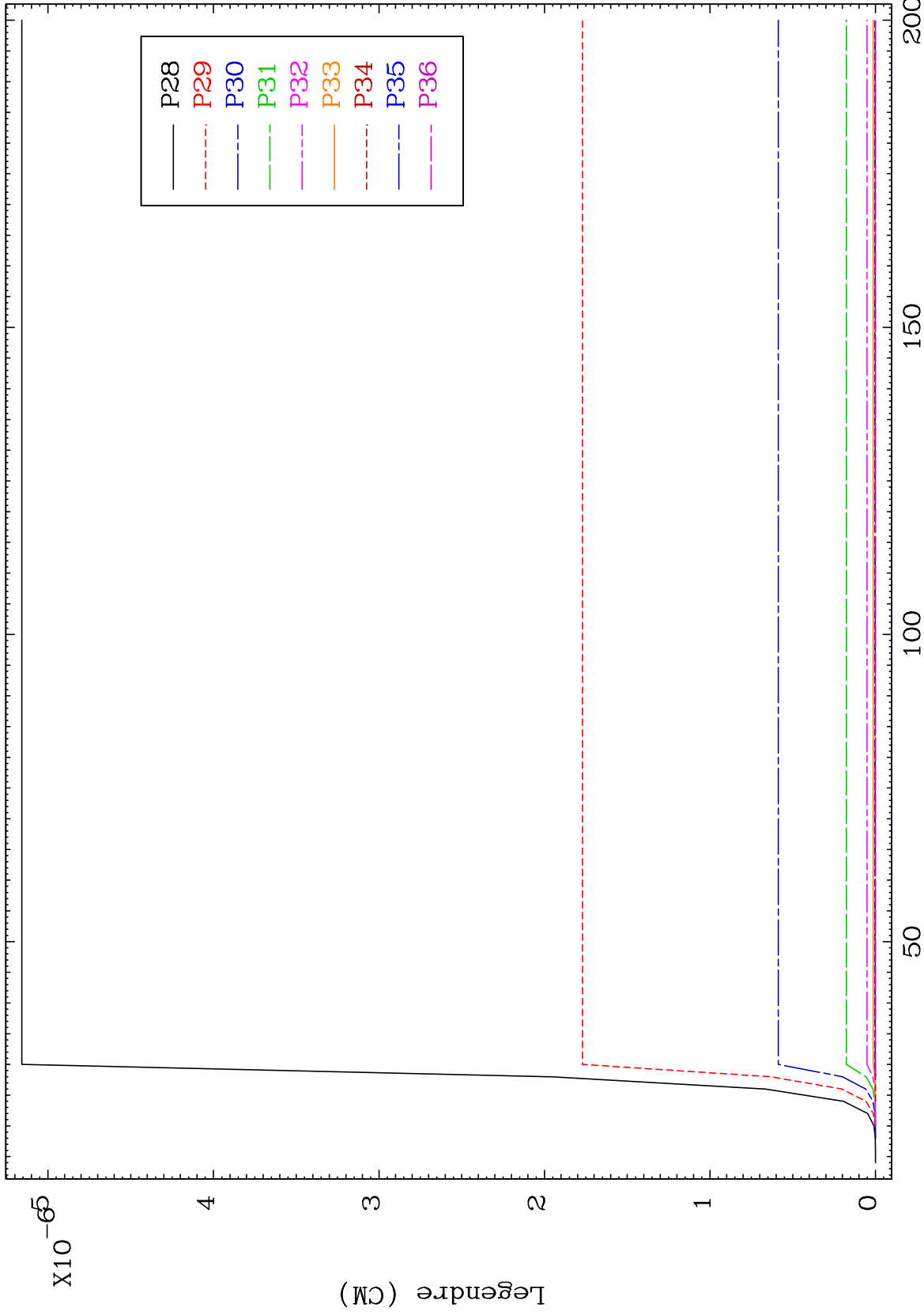
56-Ba-139



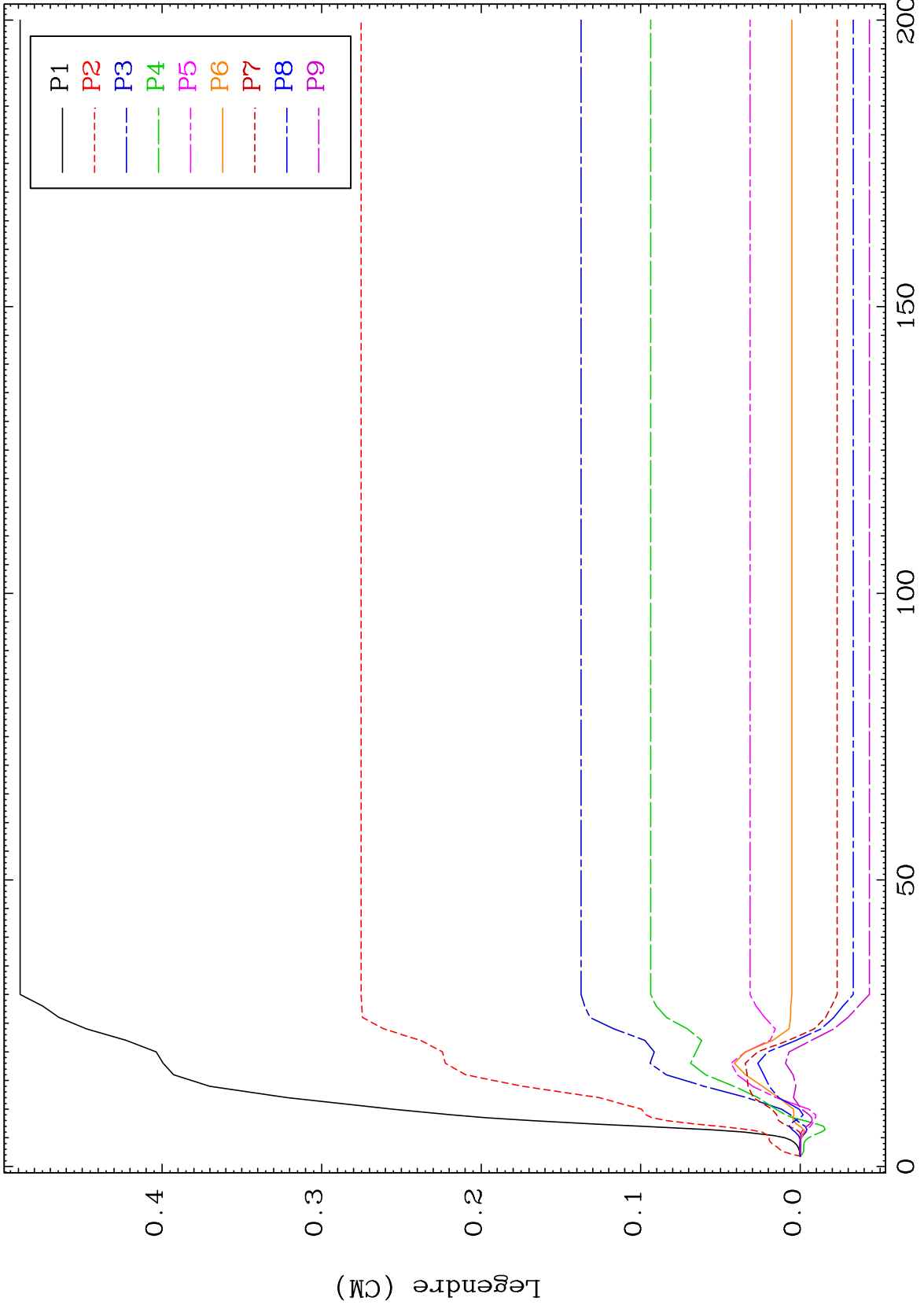
MAT 5652

MT= 59 (n,n') Level
Legendre Coefficients

56-Ba-139



MAT 5652 MT= 60 (n,n') Level Legendre Coefficients 56-Ba-139

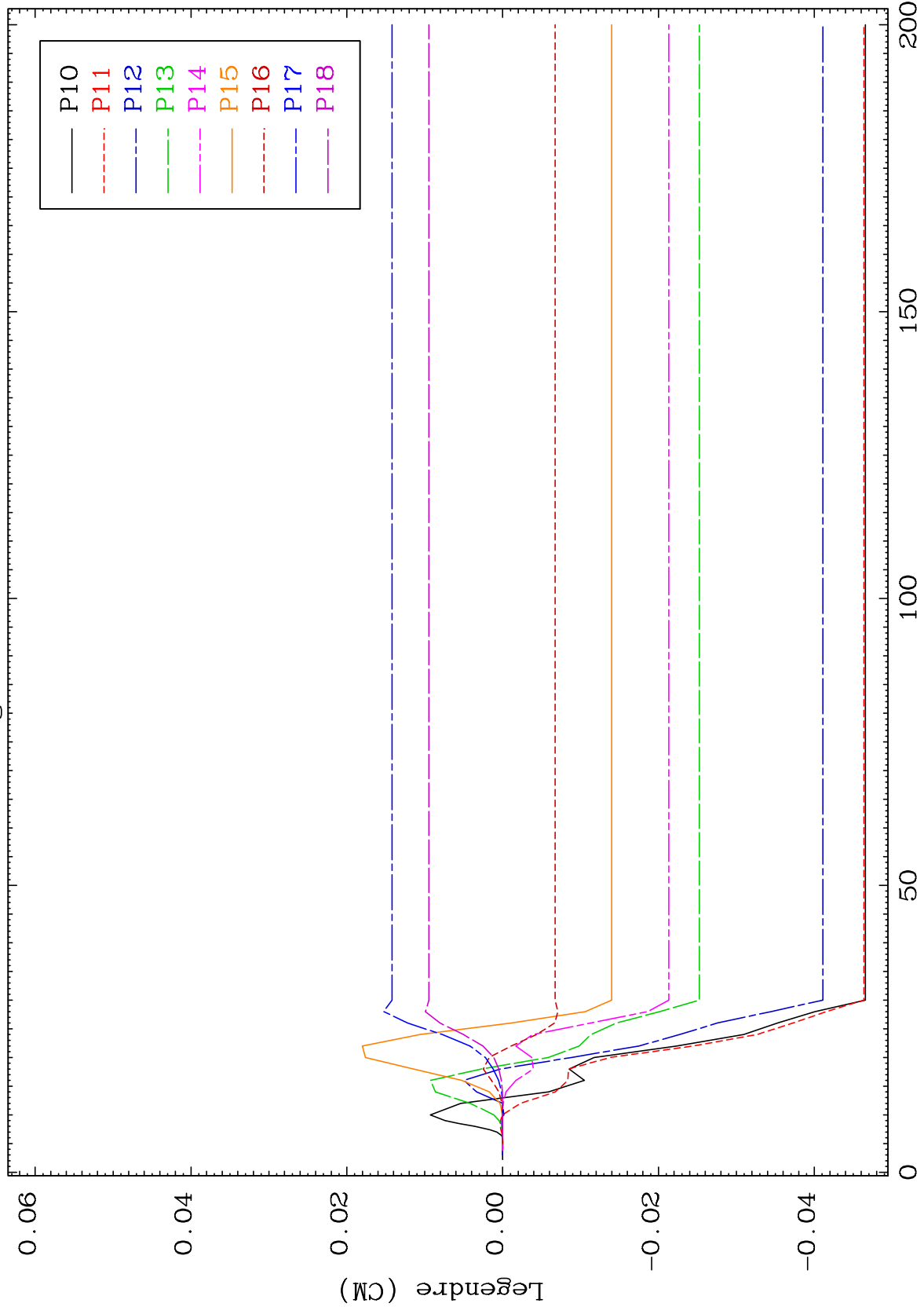


55 56-Ba-139

MAT 5652

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

56-Ba-139



59

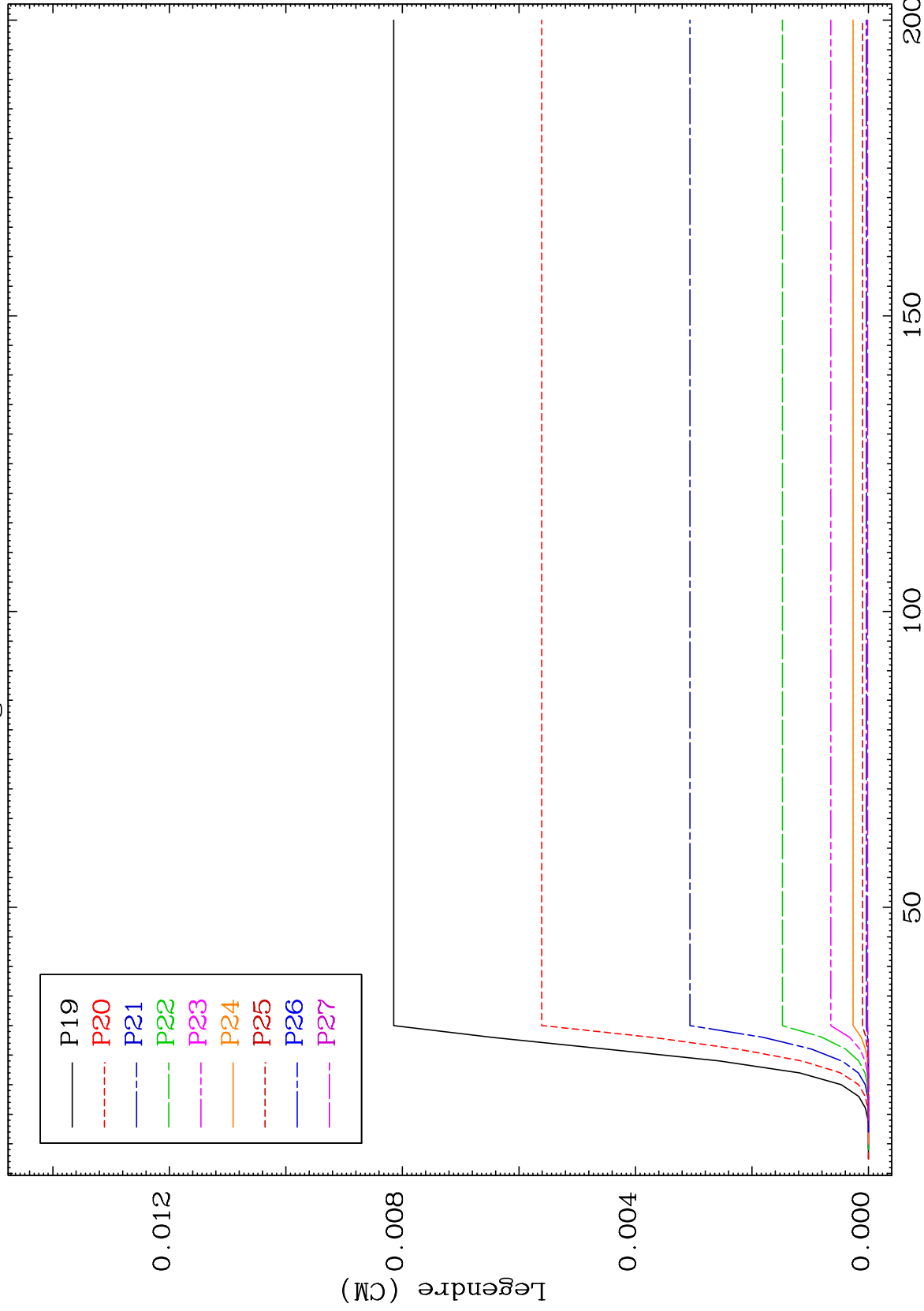
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139



57

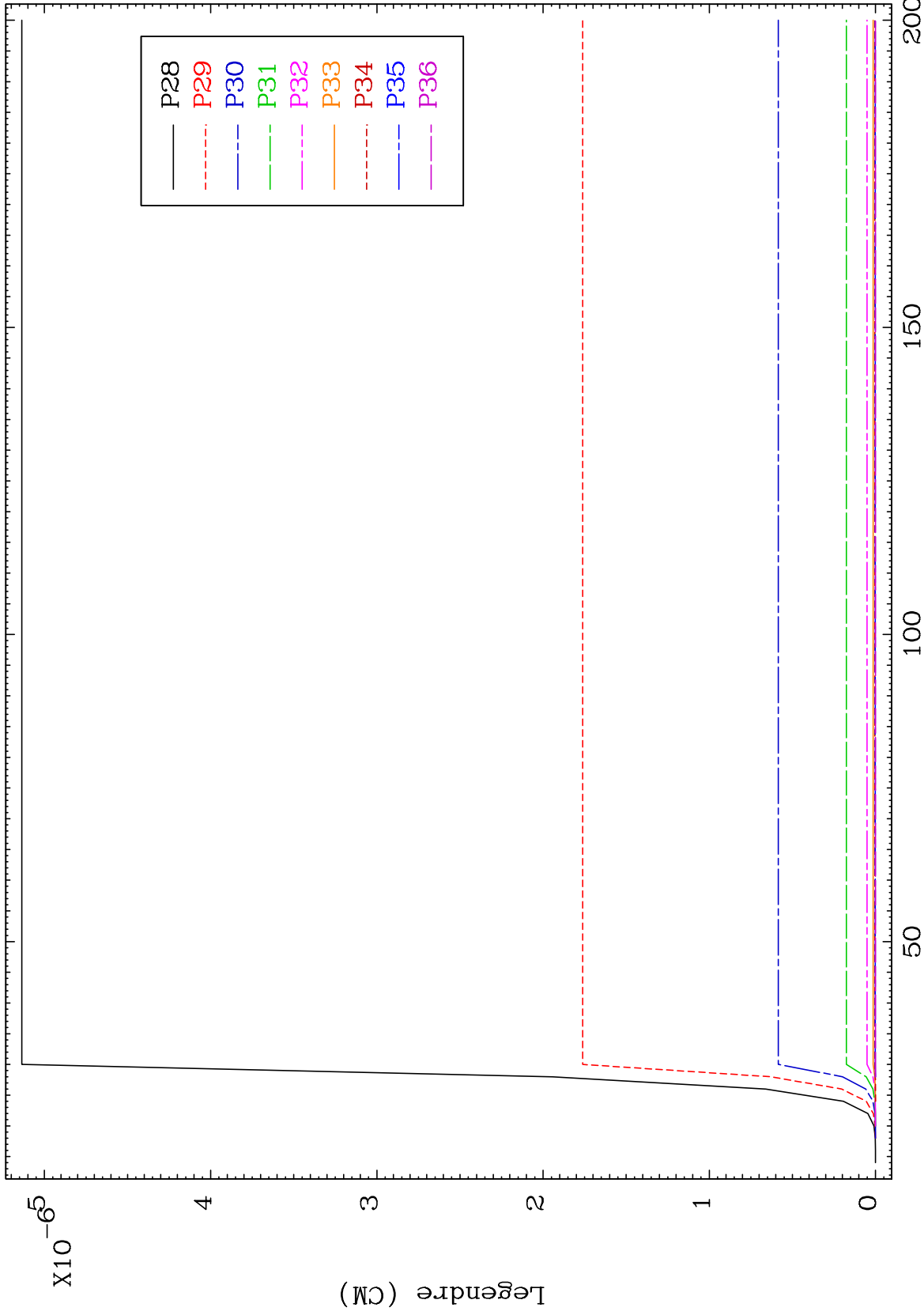
Incident Energy (MeV)

56-Ba-139

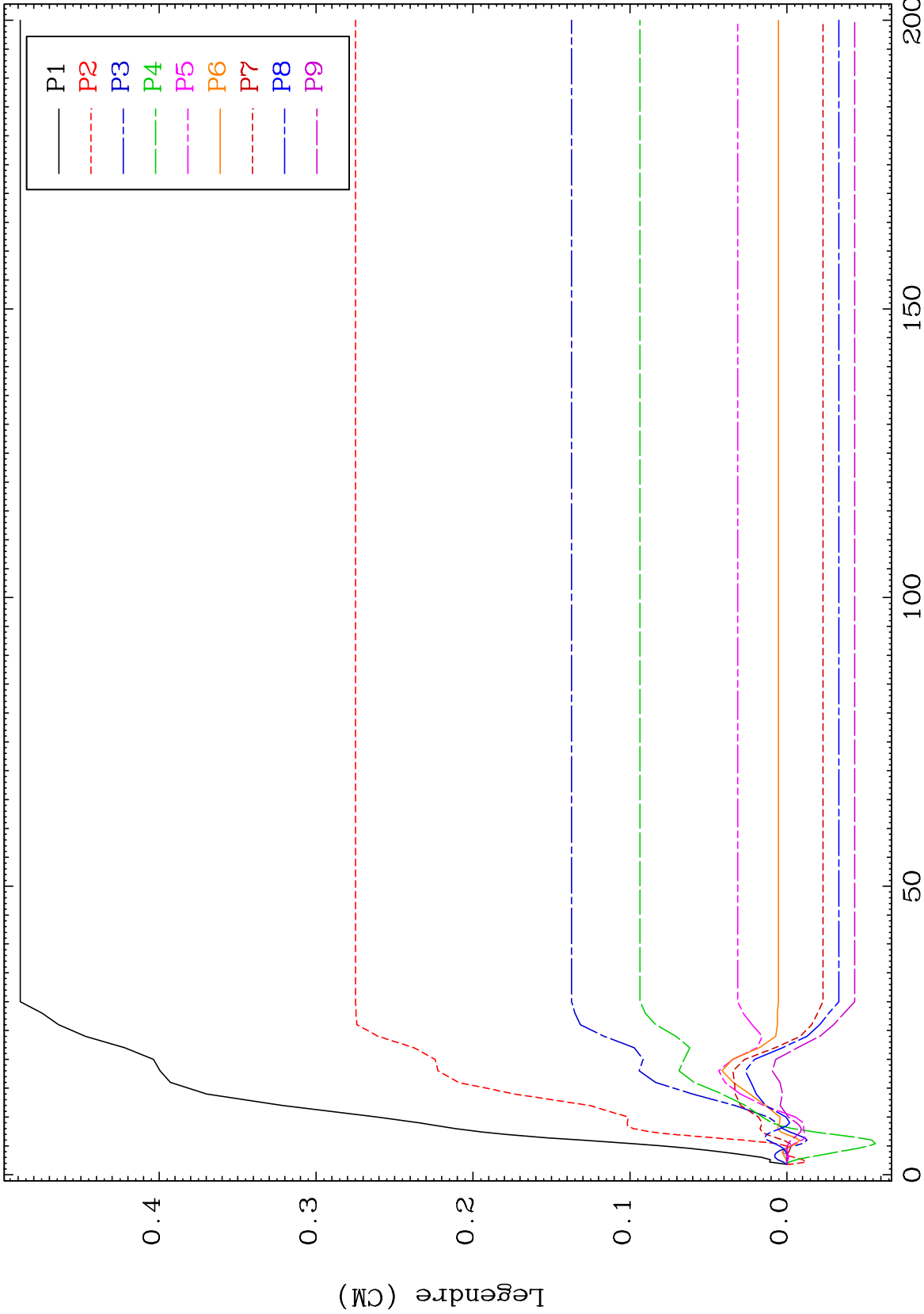
MAT 5652

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

56-Ba-139



MAT 5652 MT= 61 (n,n') Level Legendre Coefficients 56-Ba-139

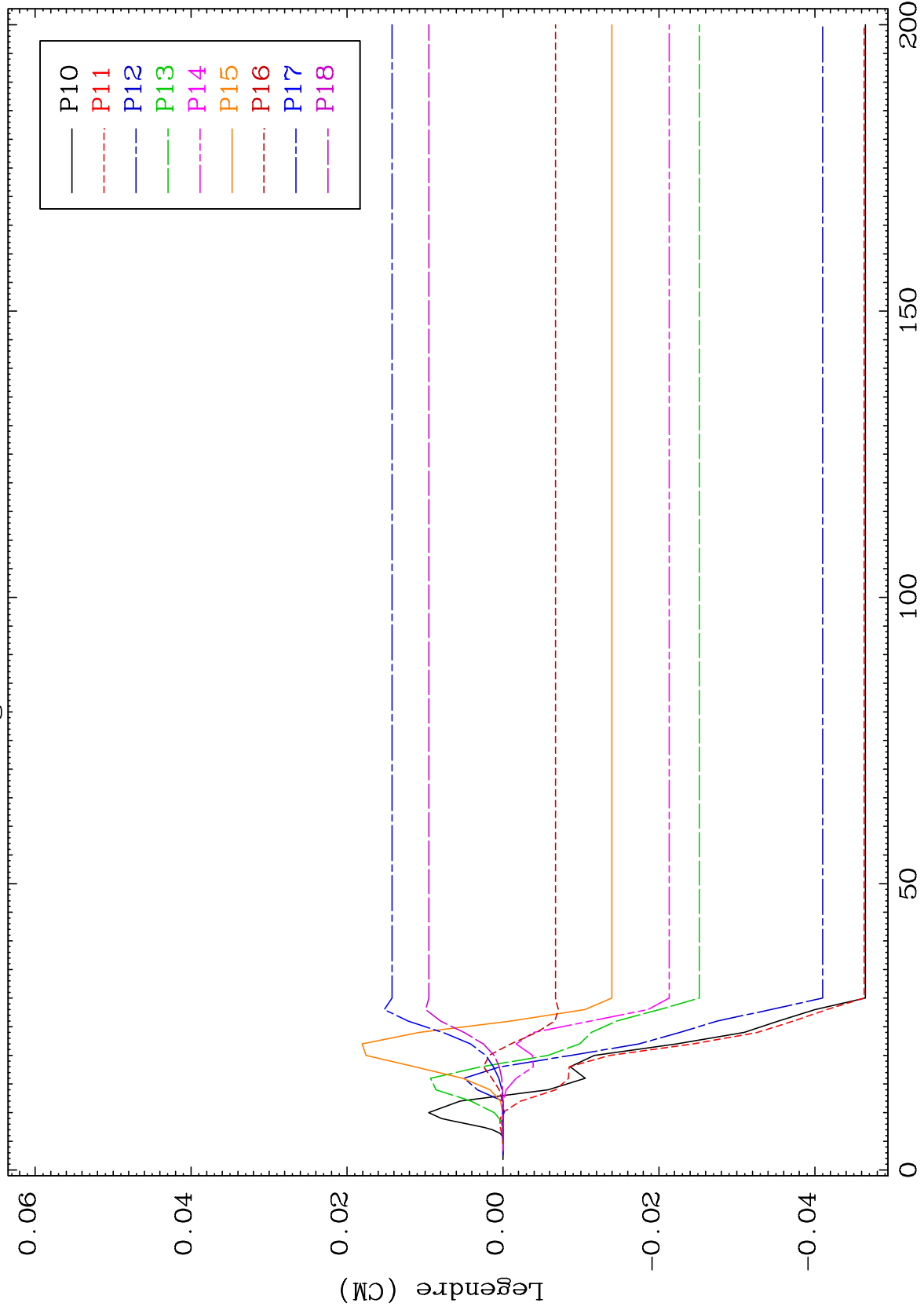


59 Incident Energy (MeV) 56-Ba-139

MAT 5652

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

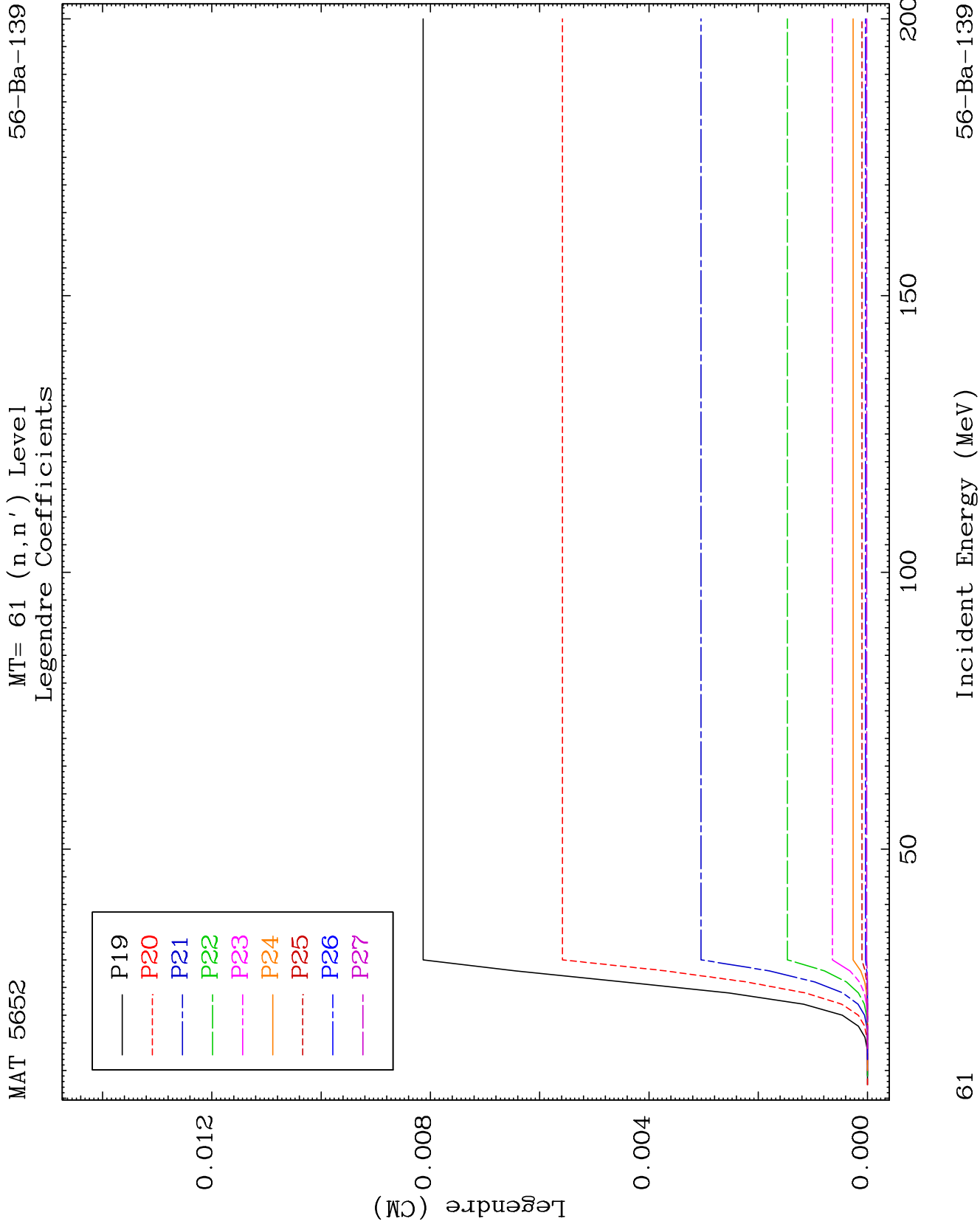
56-Ba-139



69

Incident Energy (MeV)

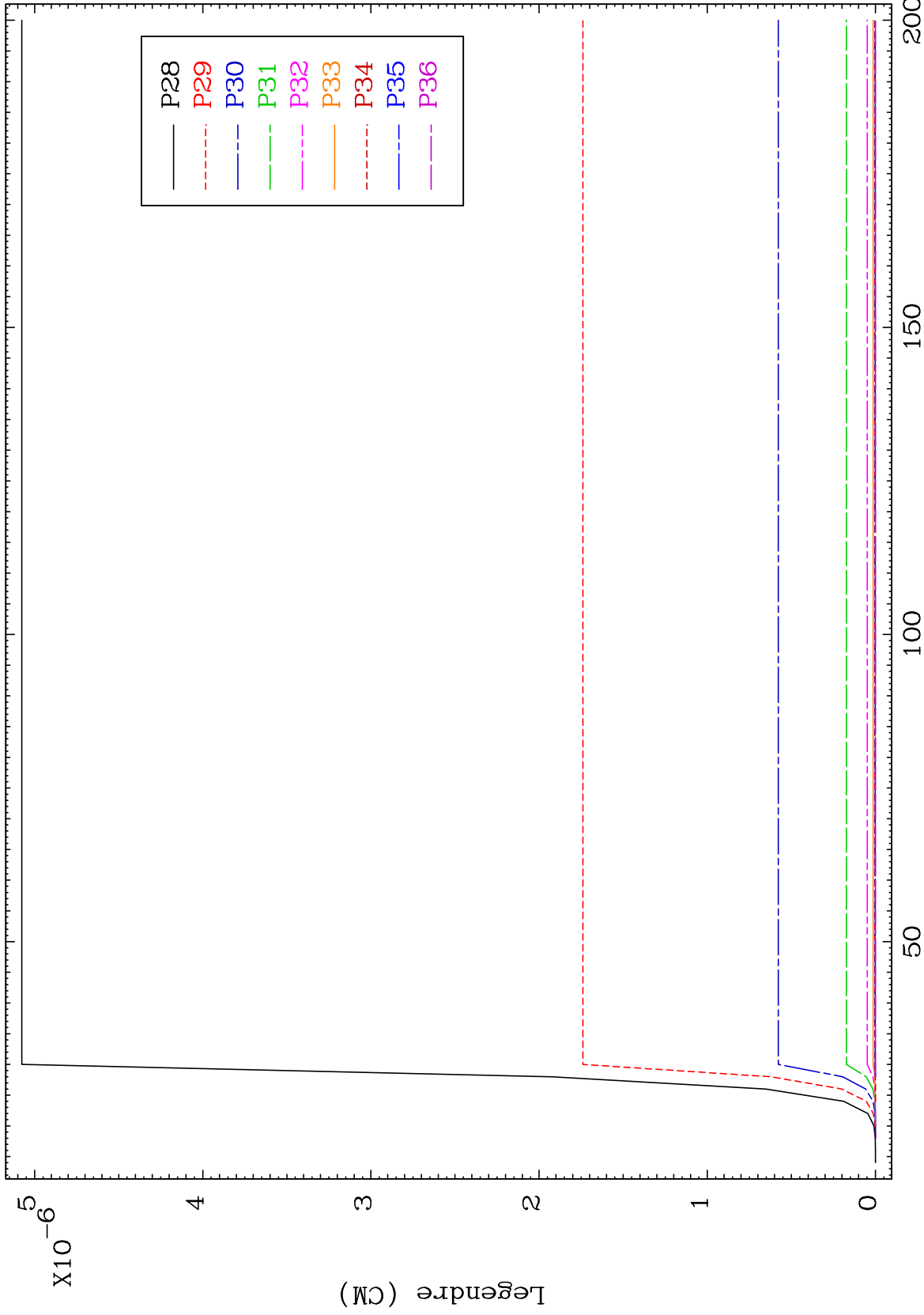
56-Ba-139



MAT 5652

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

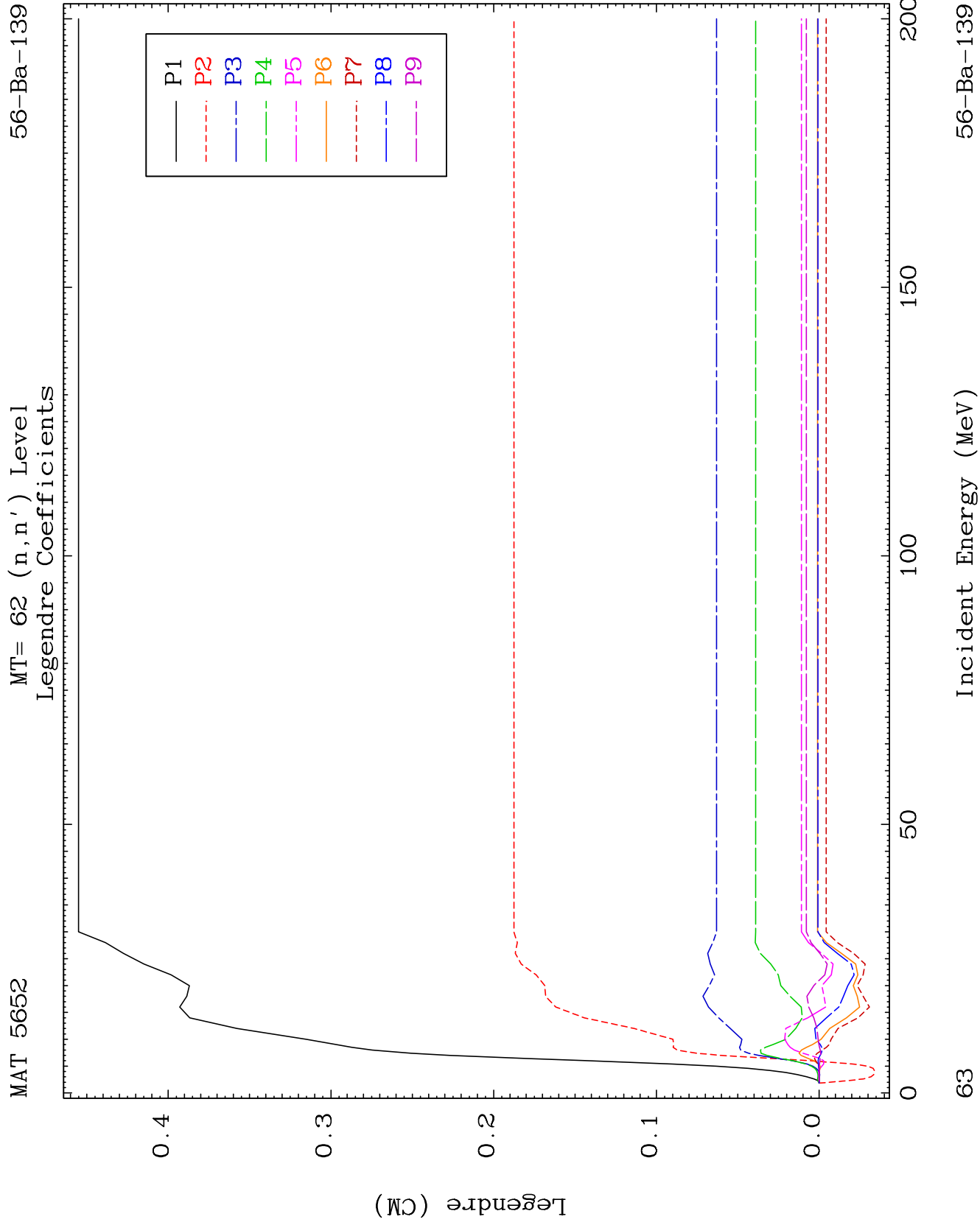
56-Ba-139



62

Incident Energy (MeV)

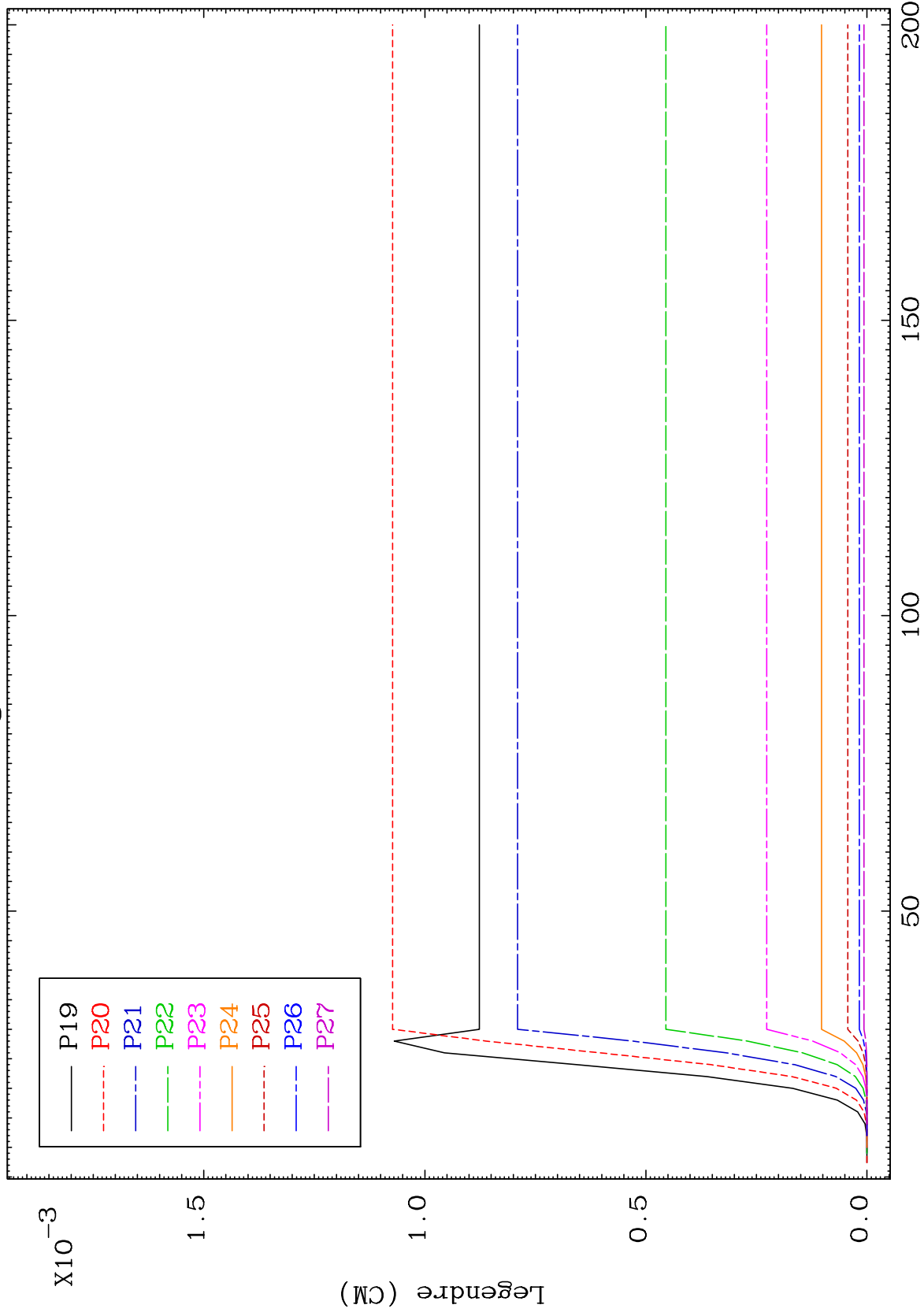
56-Ba-139



MAT 5652

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

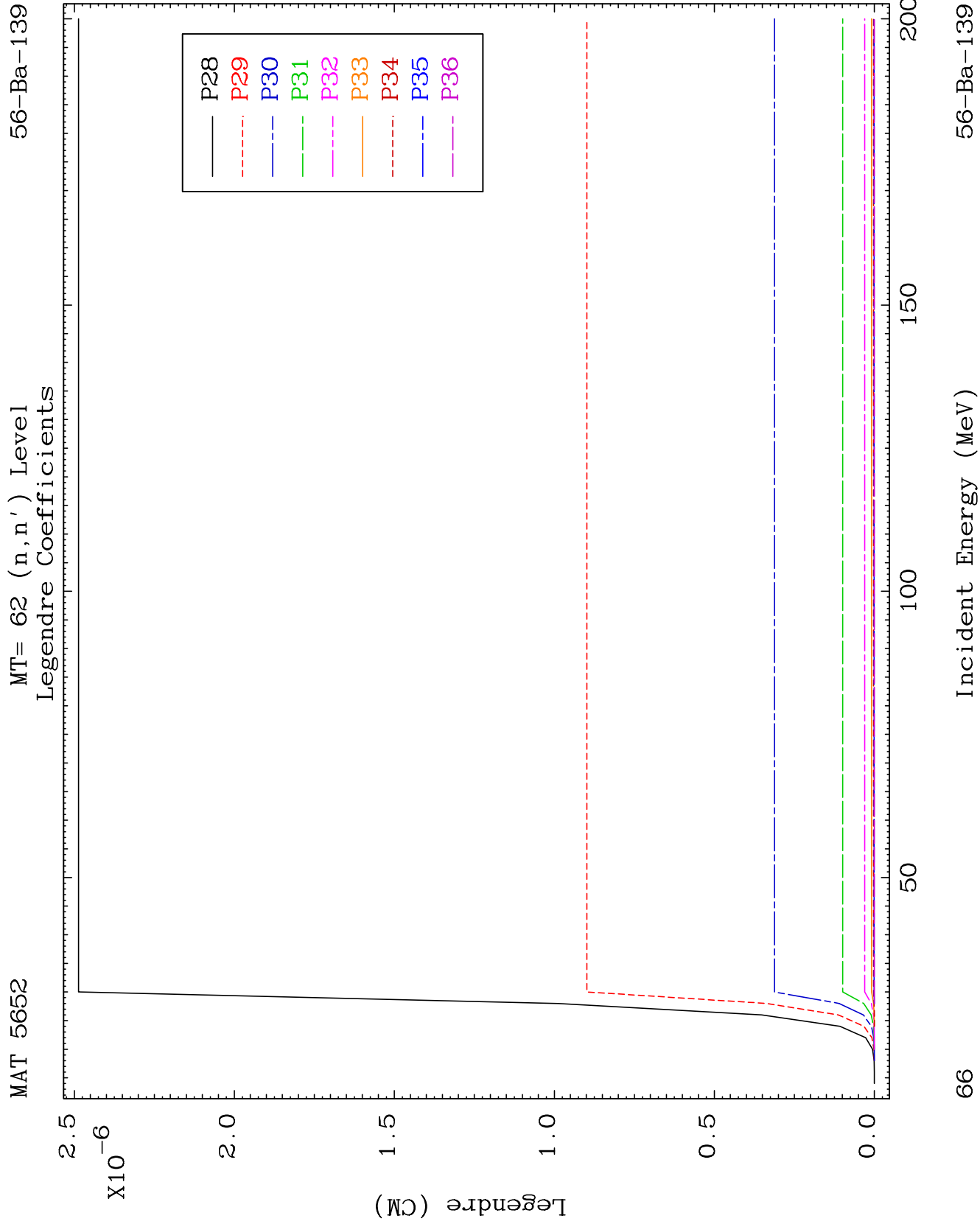
56-Ba-139



65

Incident Energy (MeV)

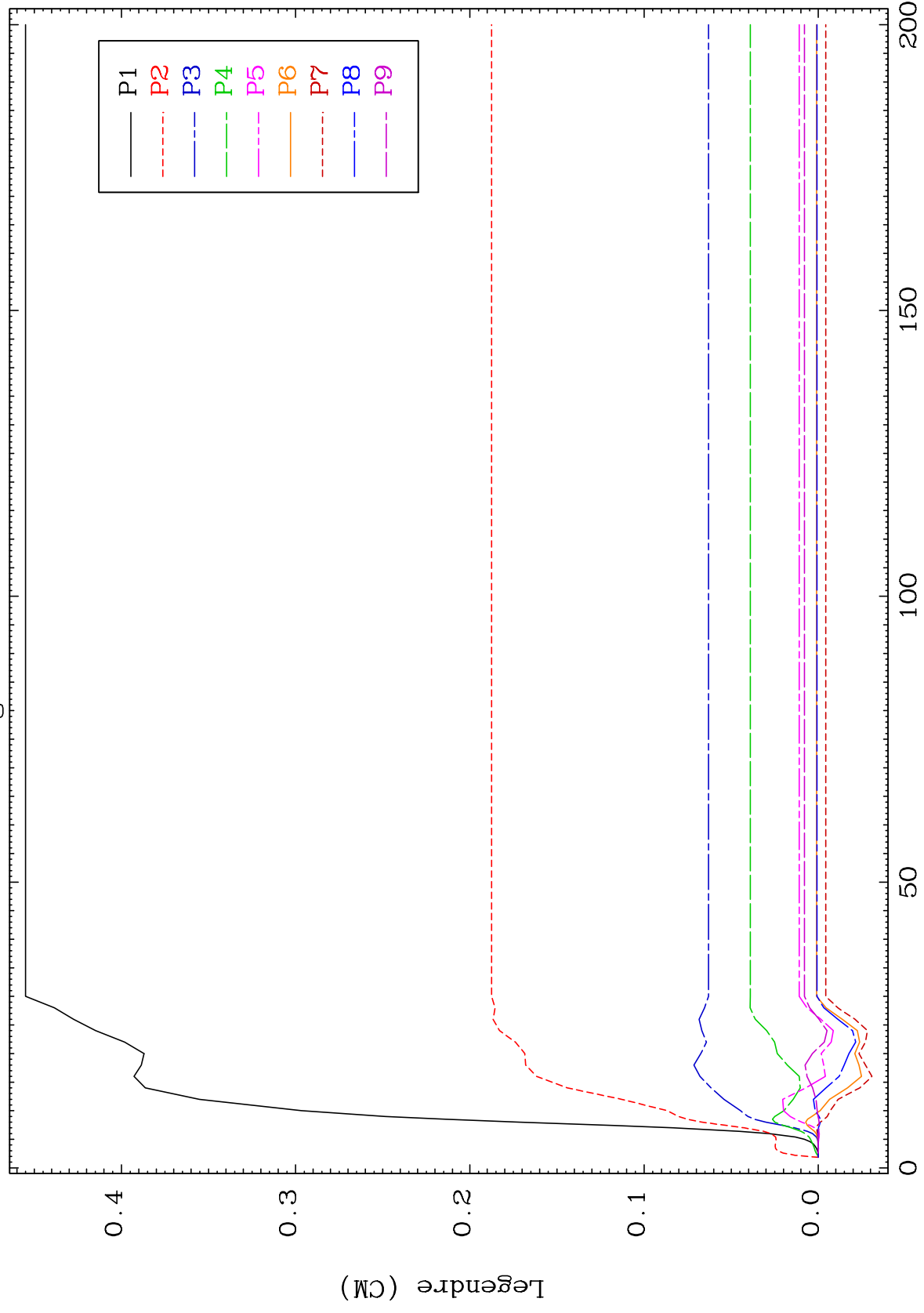
56-Ba-139



MAT 5652

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

56-Ba-139



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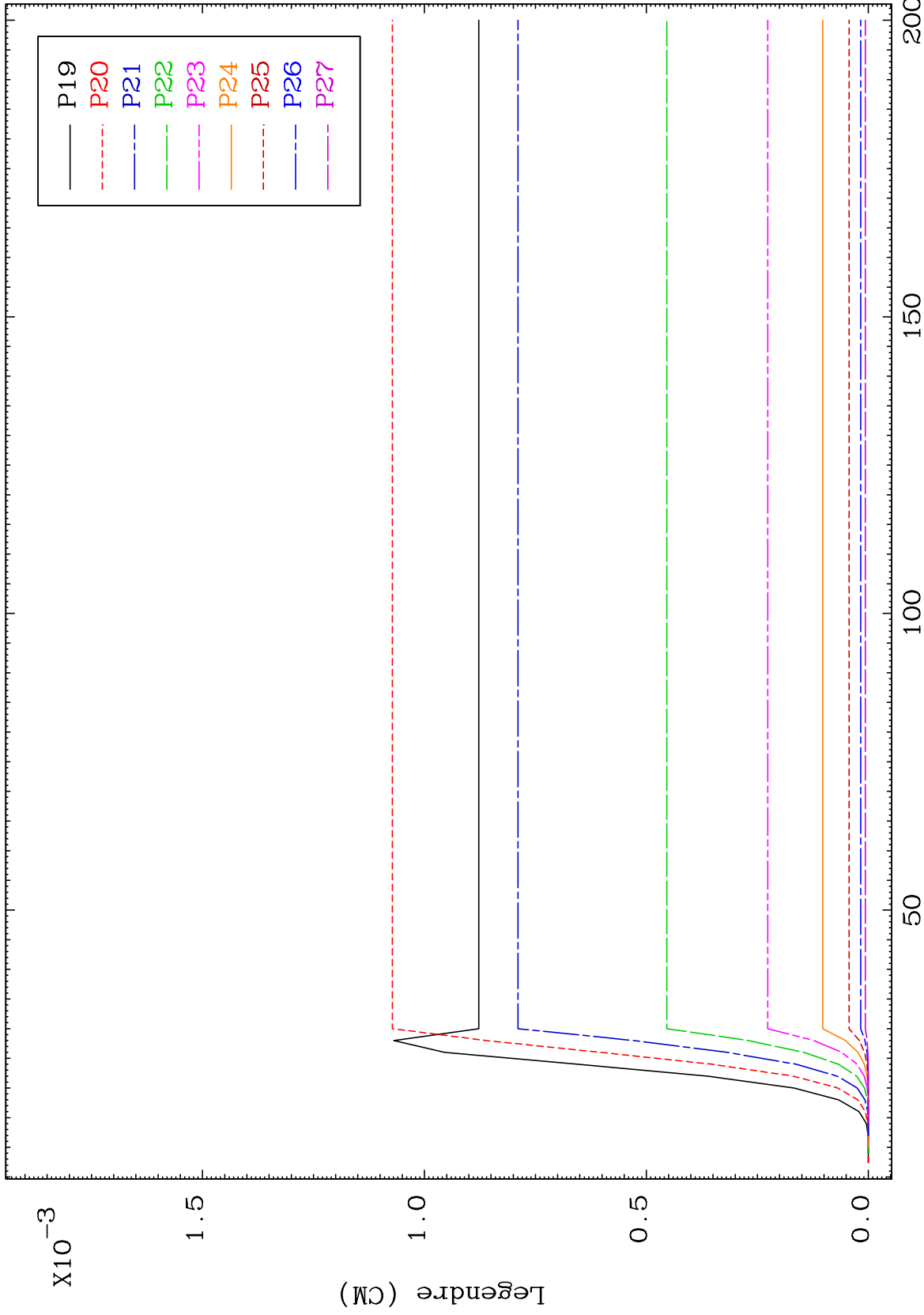
Incident Energy (MeV)

56-Ba-139

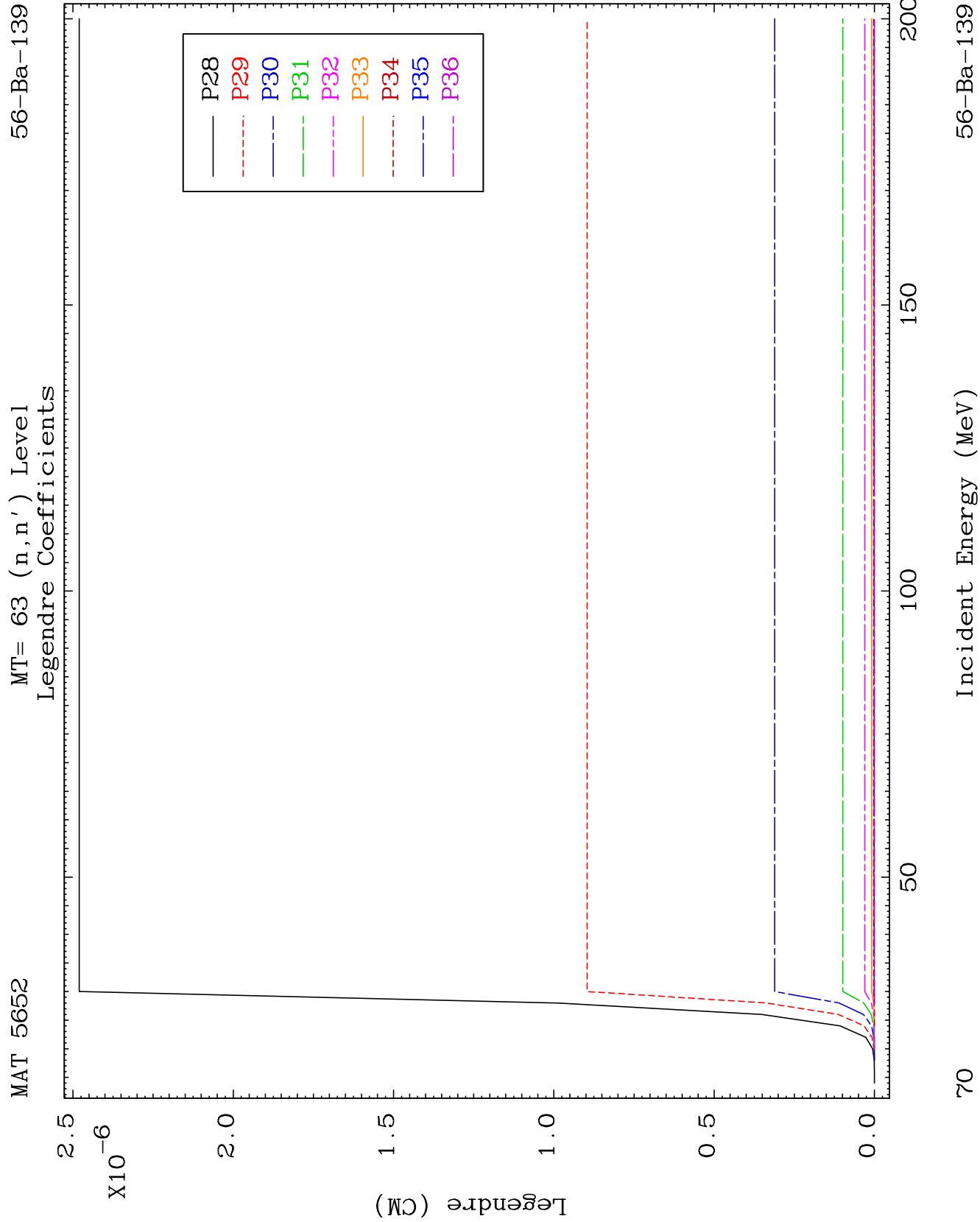
MAT 5652

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

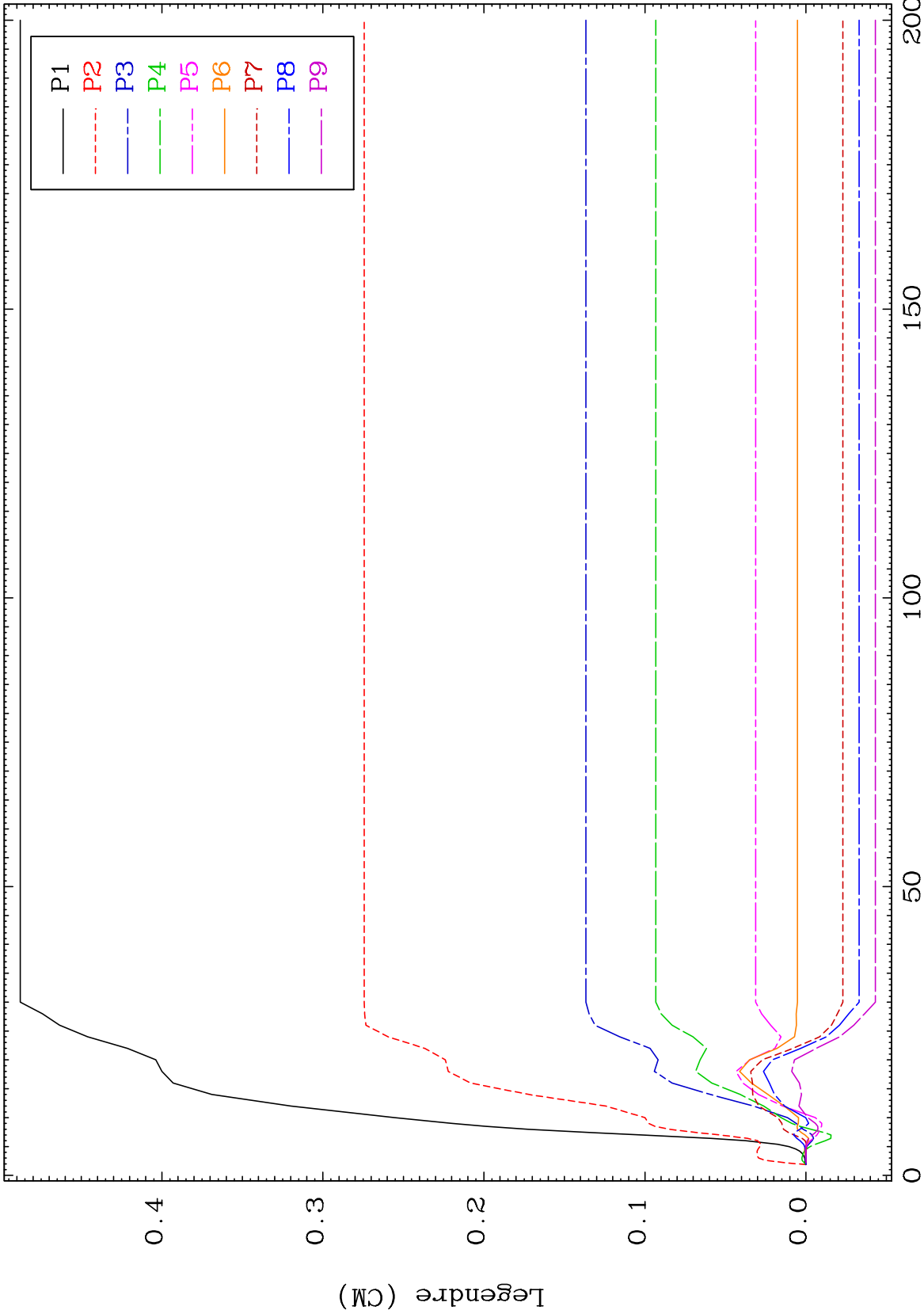
56-Ba-139



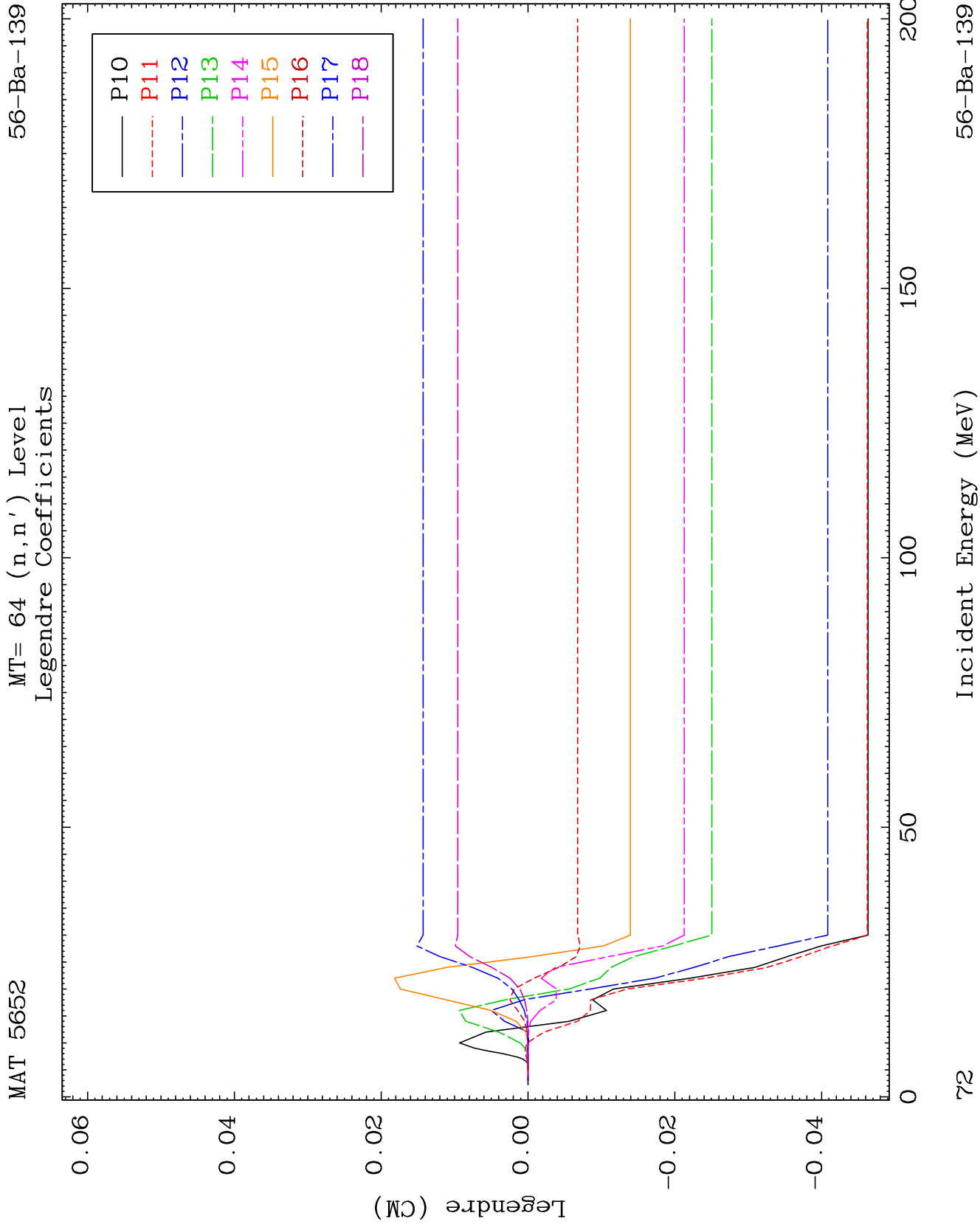
69

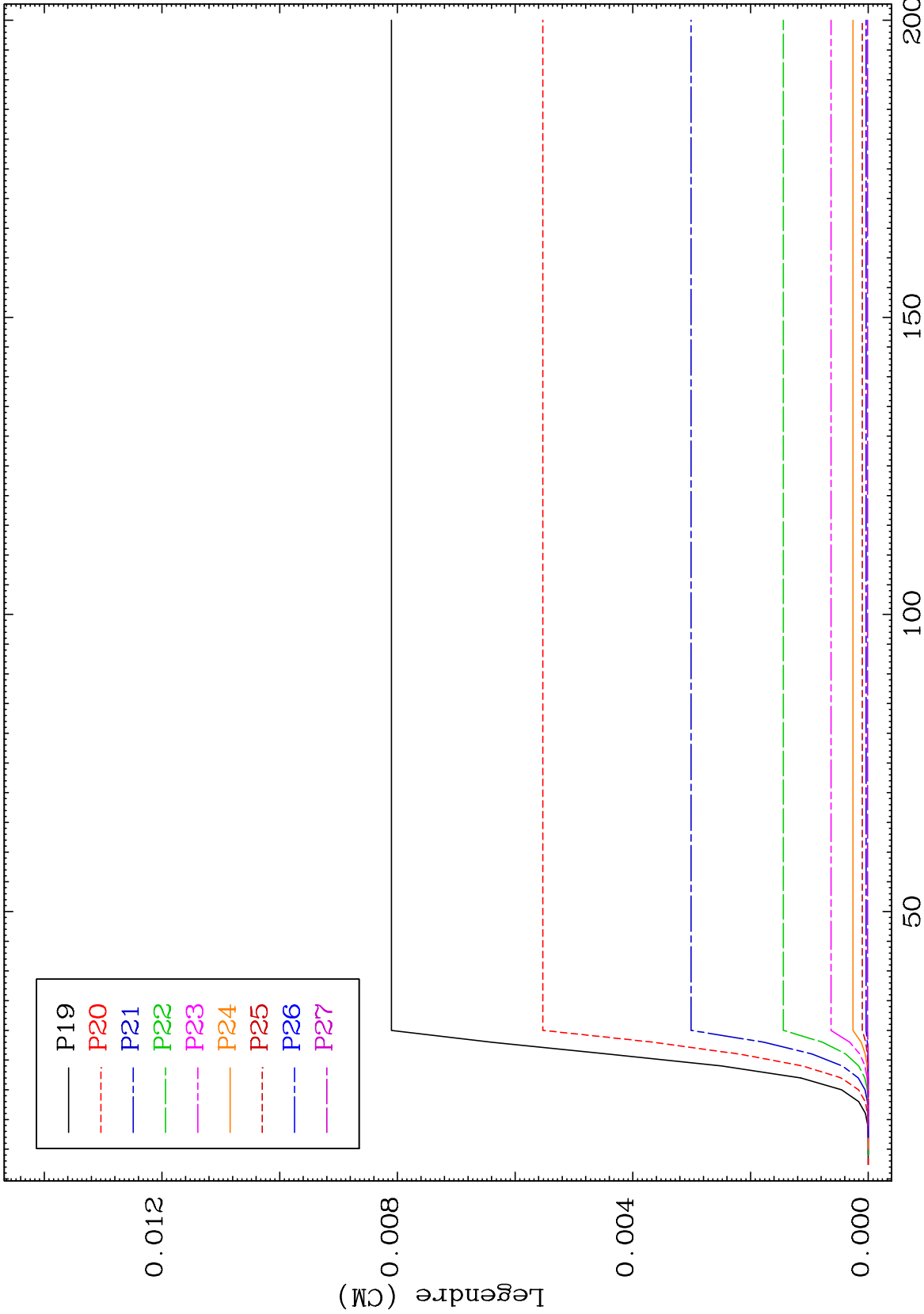


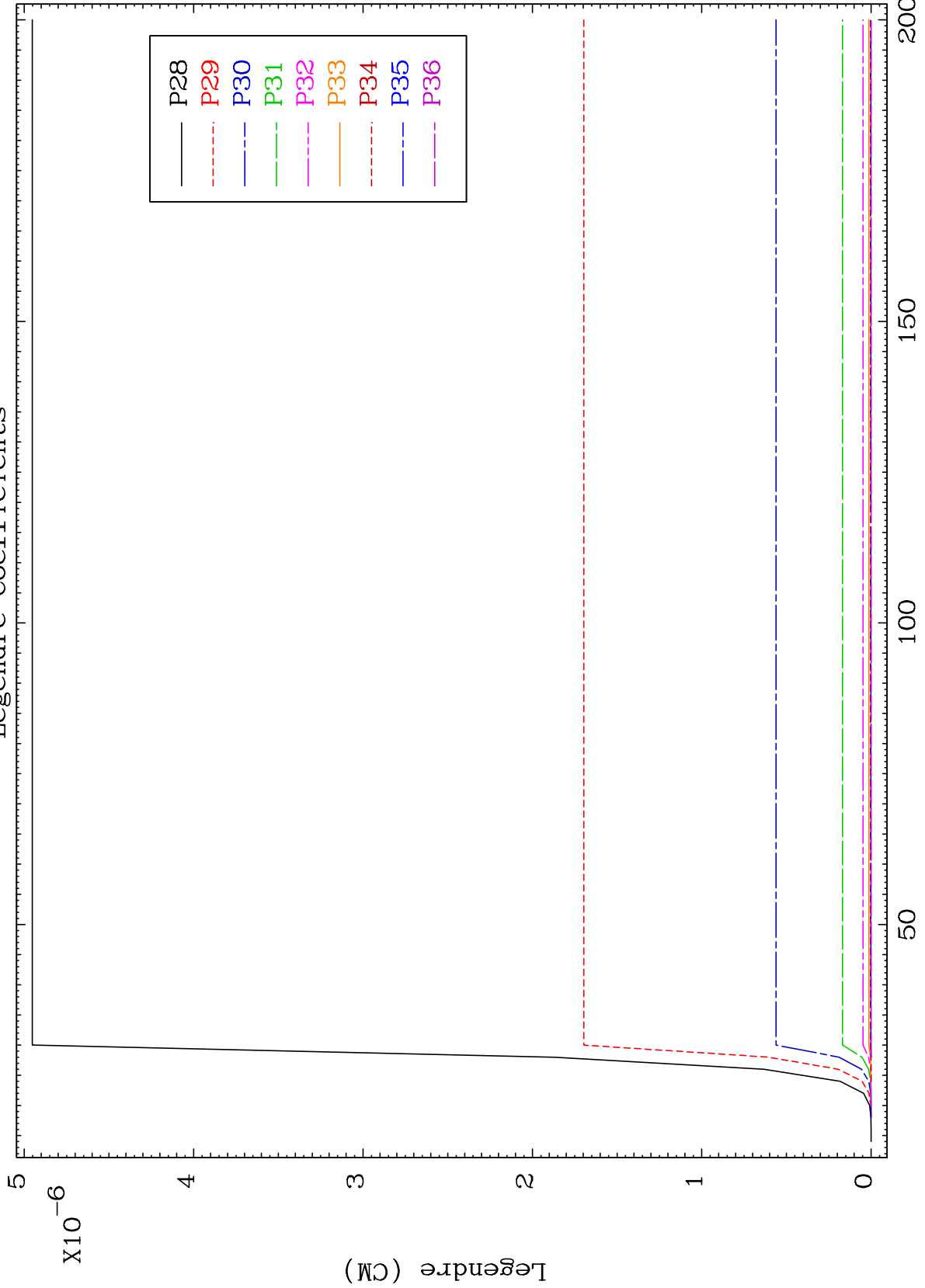
MAT 5652 MT= 64 (n,n') Level Legendre Coefficients 56-Ba-139



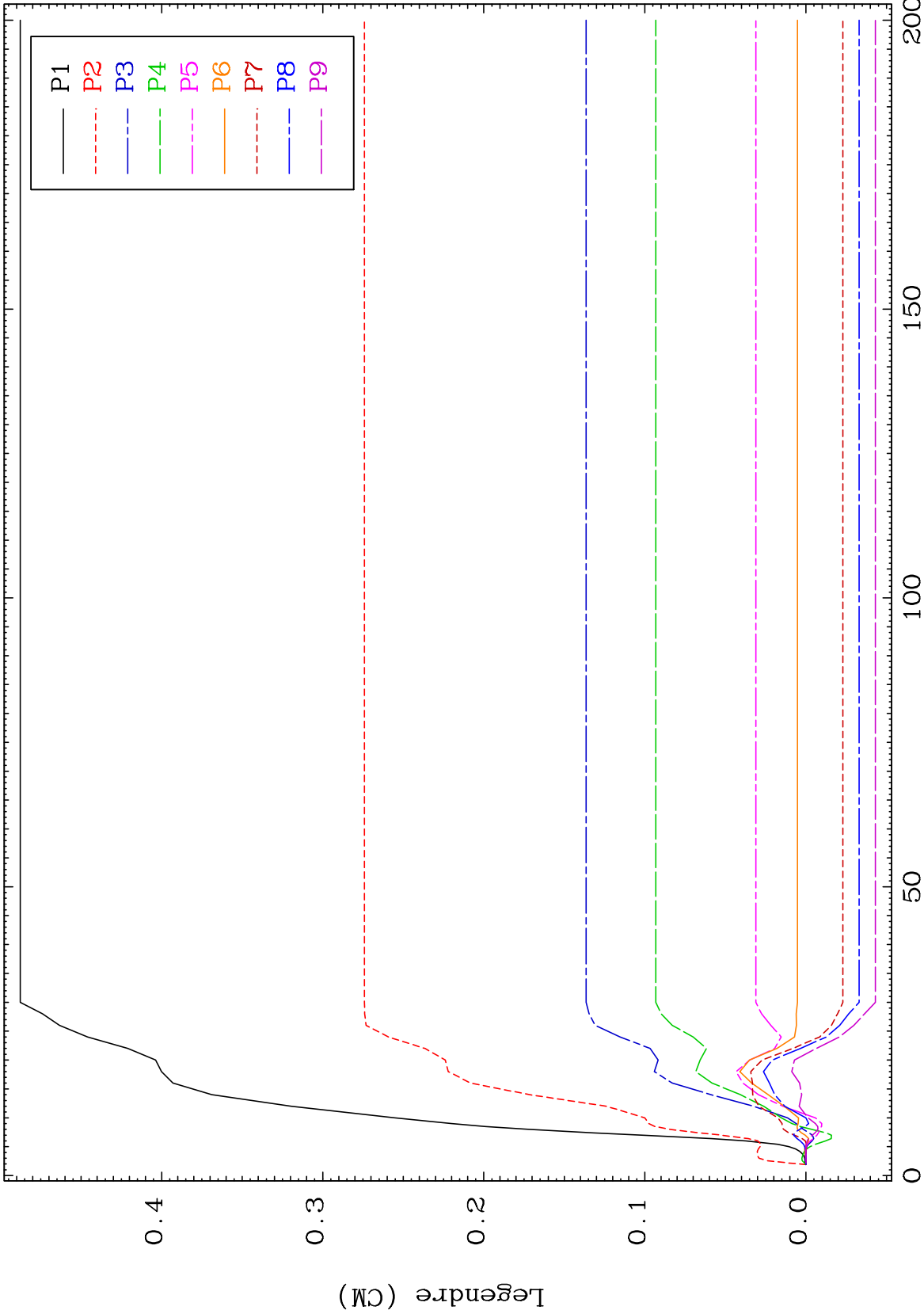
71 56-Ba-139







MAT 5652 MT= 65 (n,n') Level Legendre Coefficients 56-Ba-139

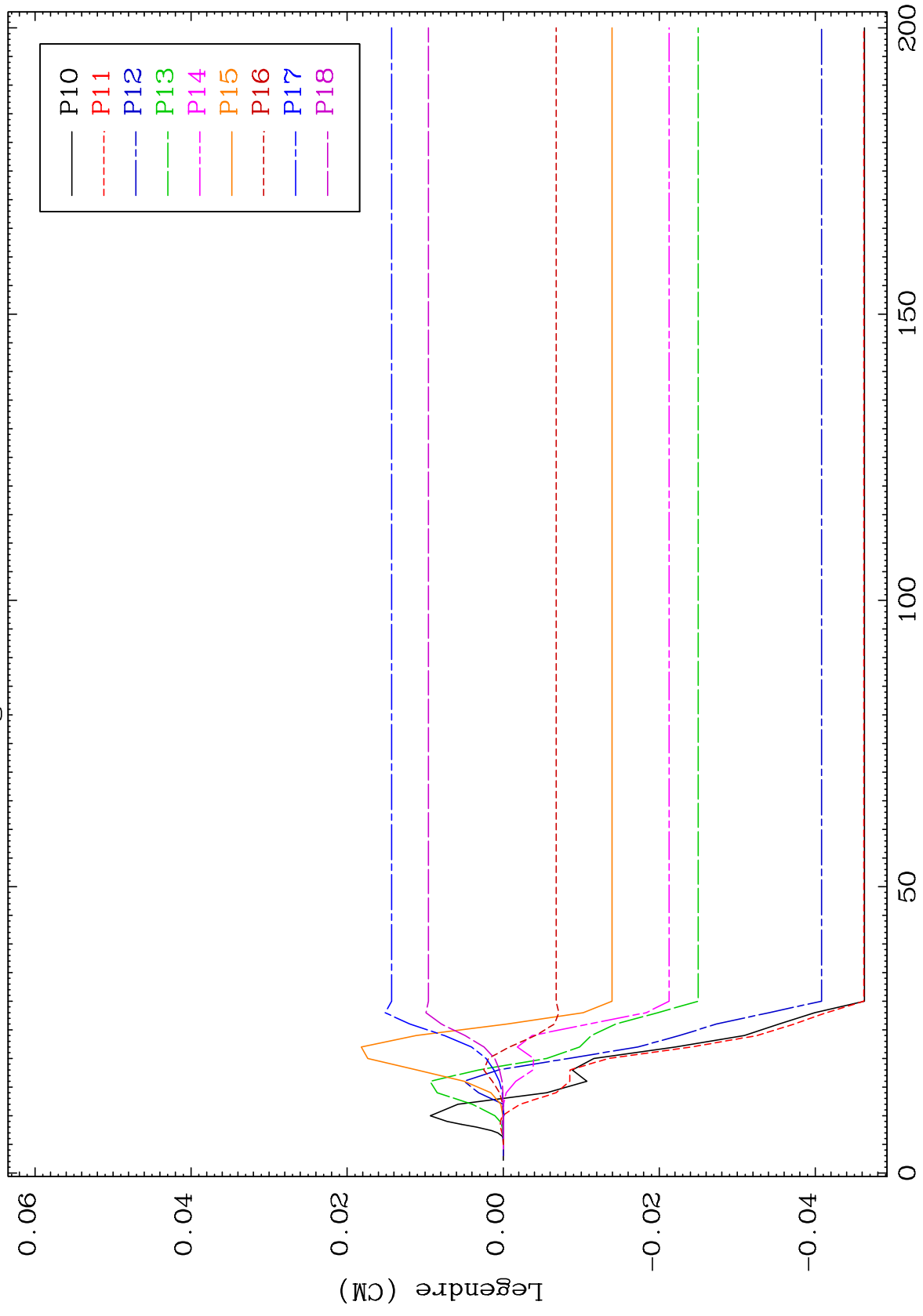


75 Incident Energy (MeV) 56-Ba-139

MAT 5652

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

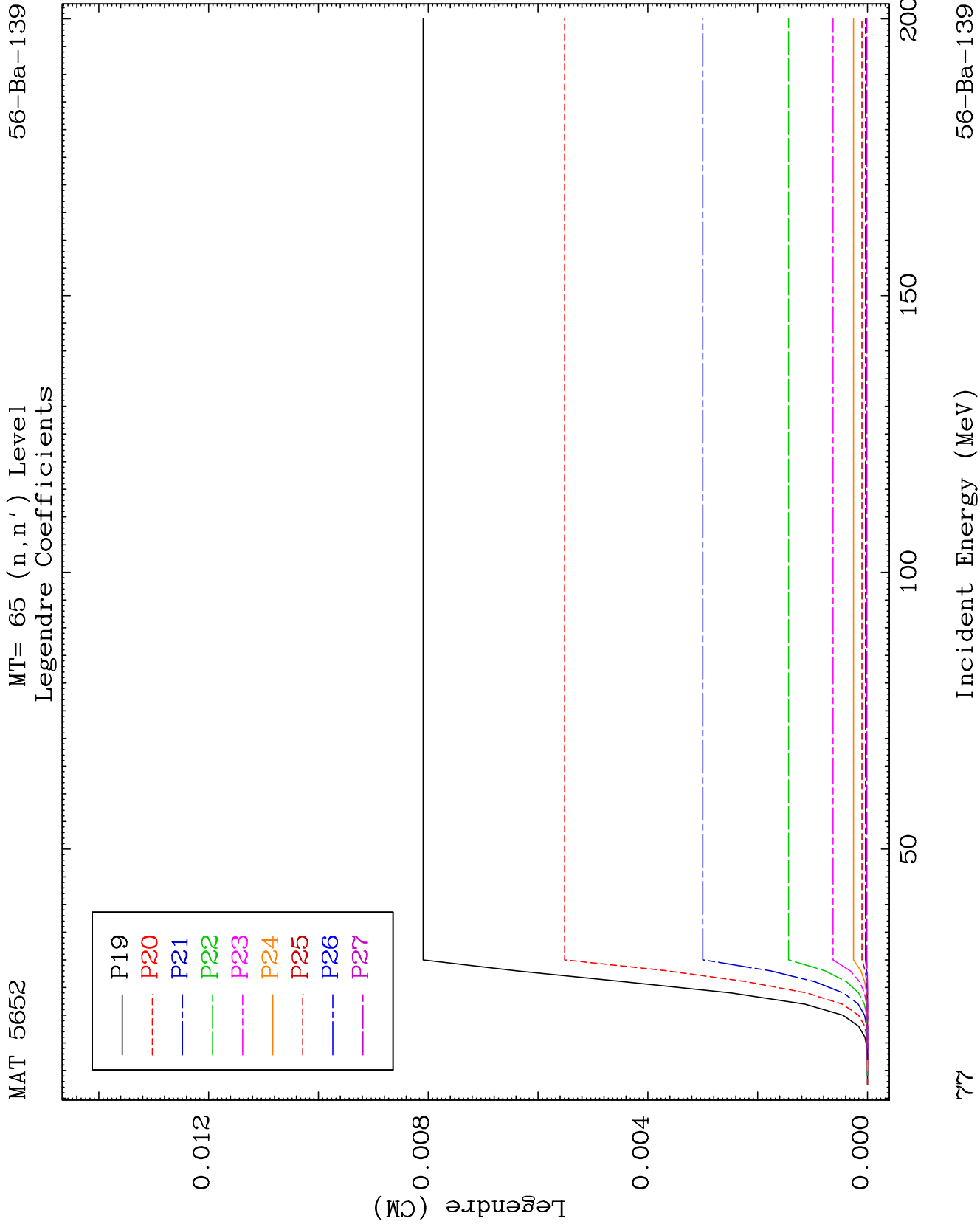
56-Ba-139



92

Incident Energy (MeV)

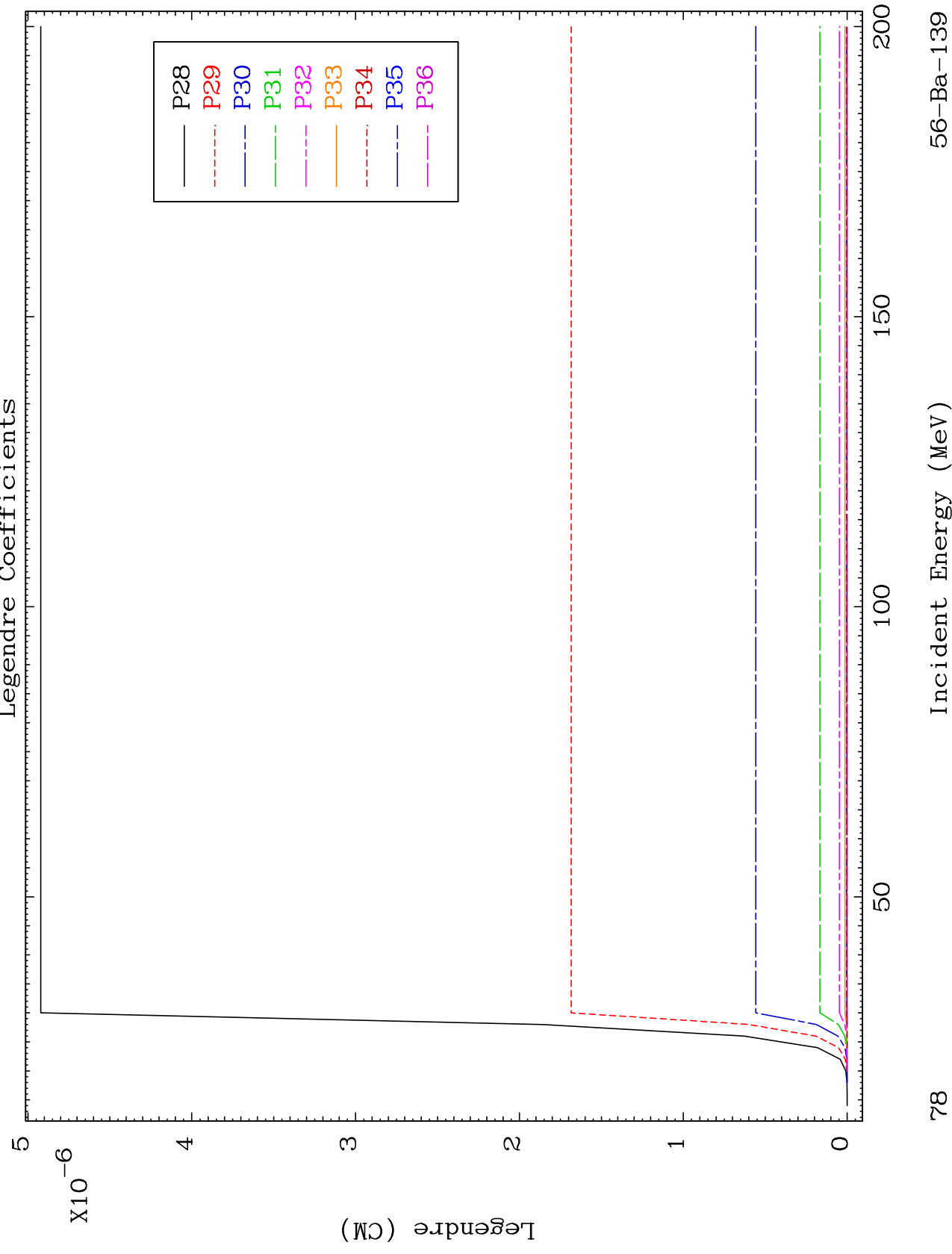
56-Ba-139

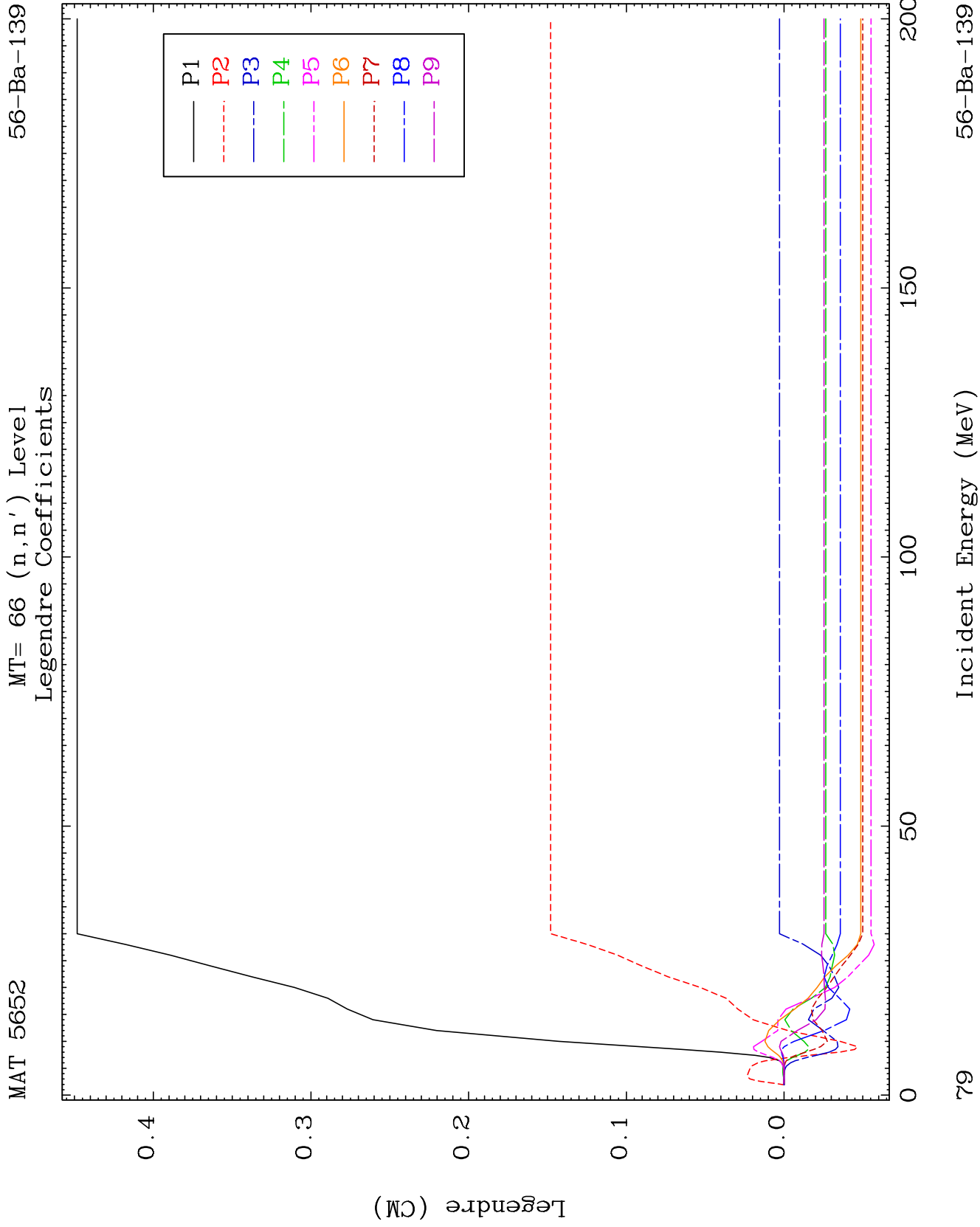


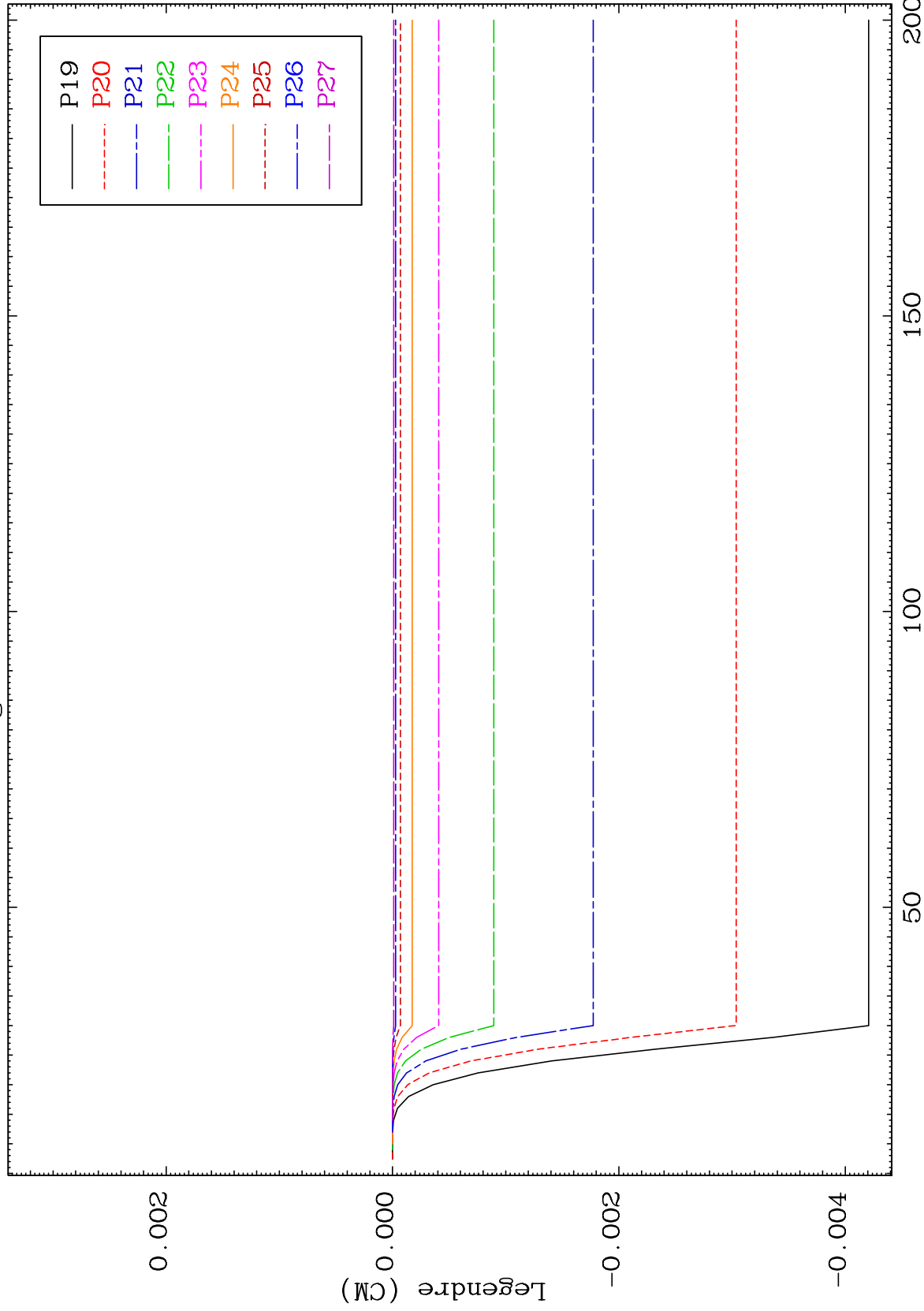
MAT 5652

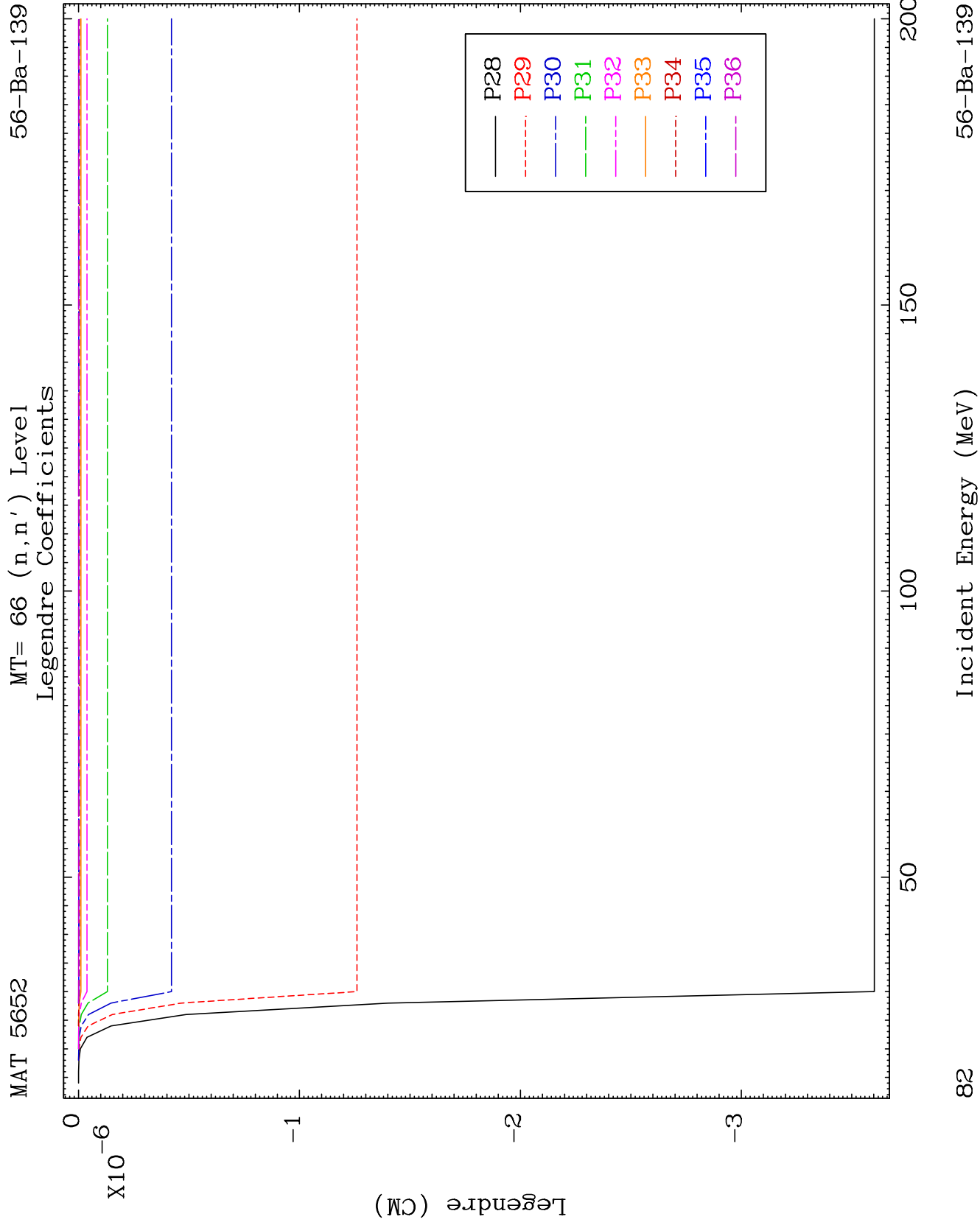
MT= 65 (n, n') Level
Legendre Coefficients

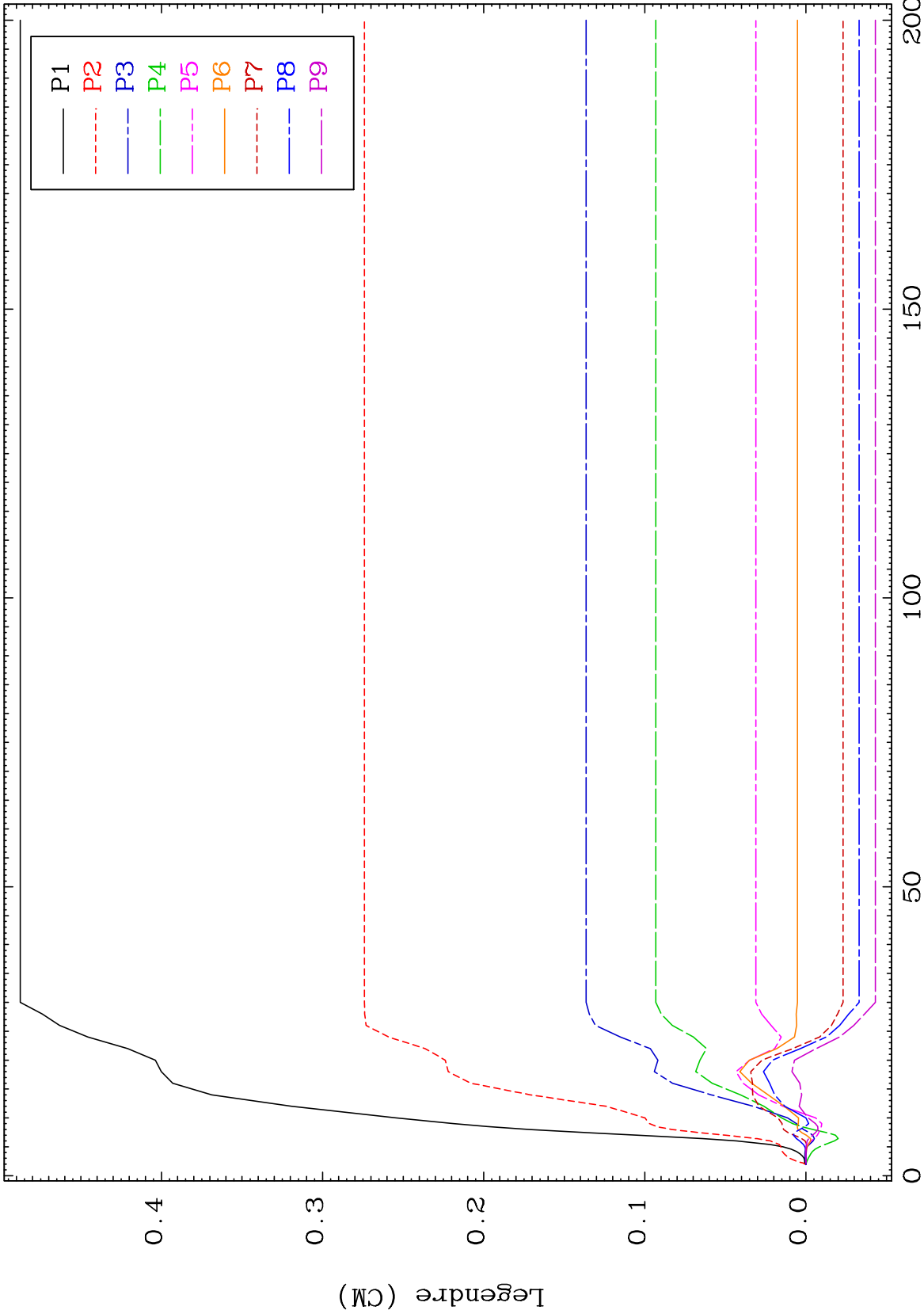
56-Ba-139







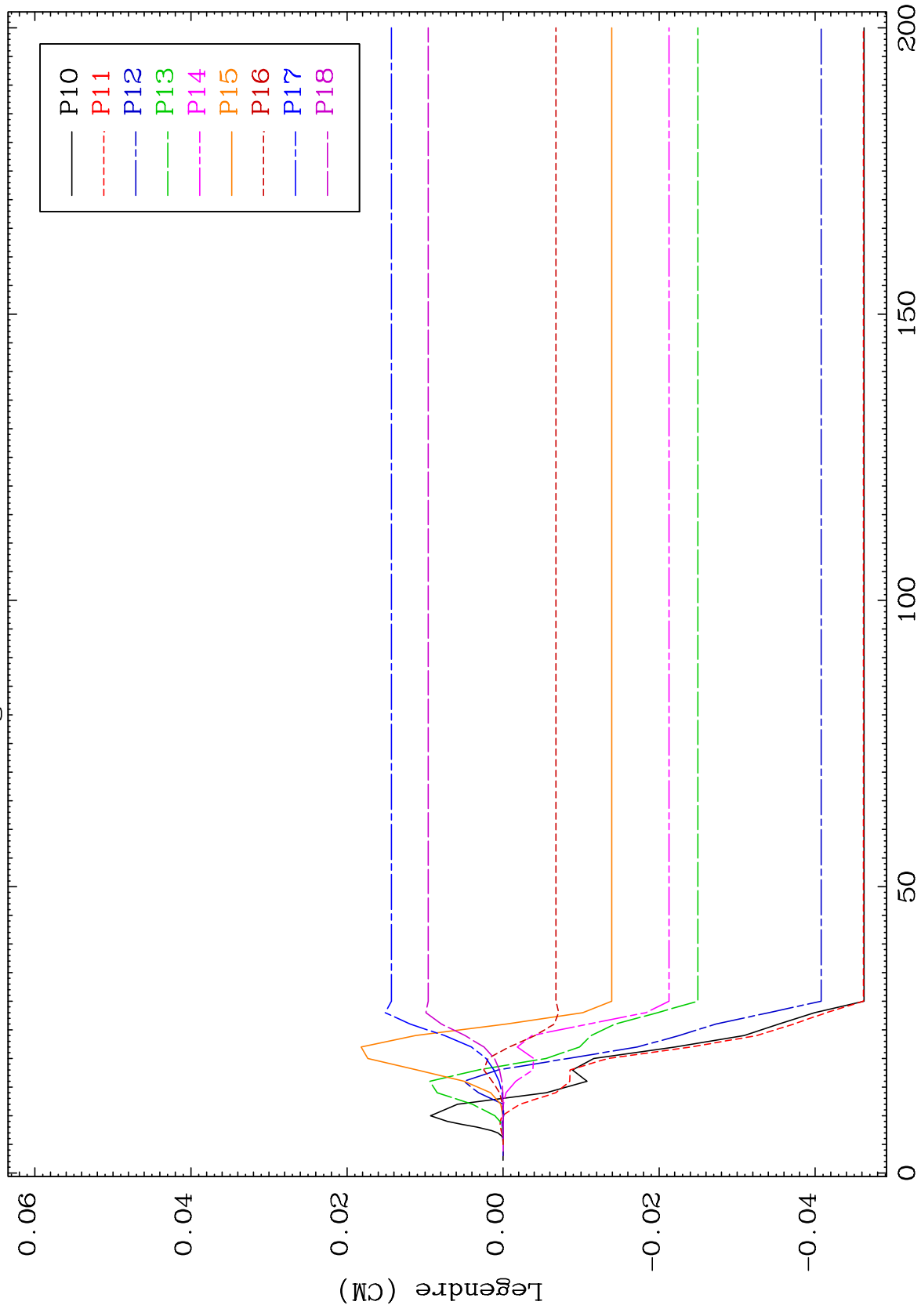




MAT 5652

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

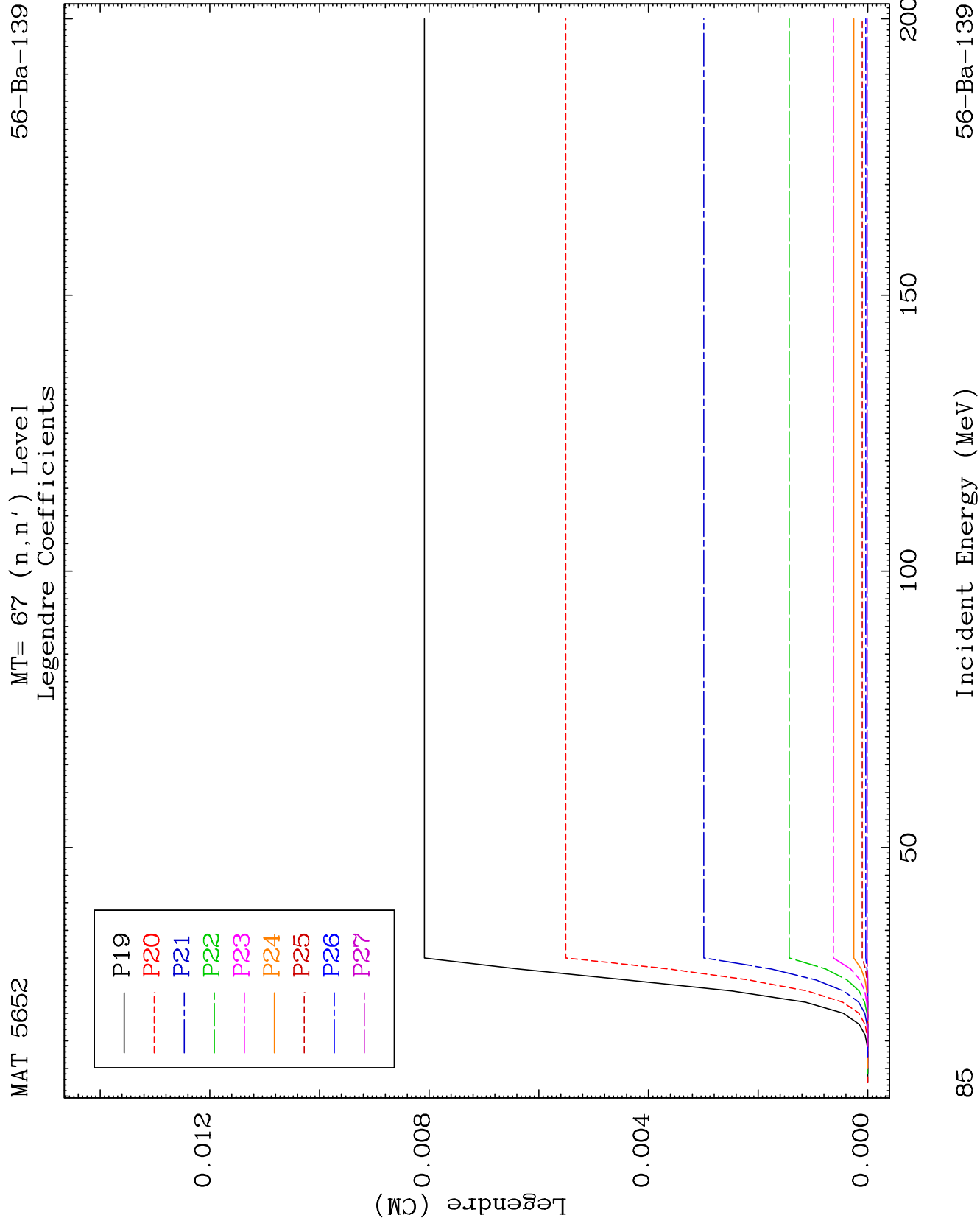
56-Ba-139



84

Incident Energy (MeV)

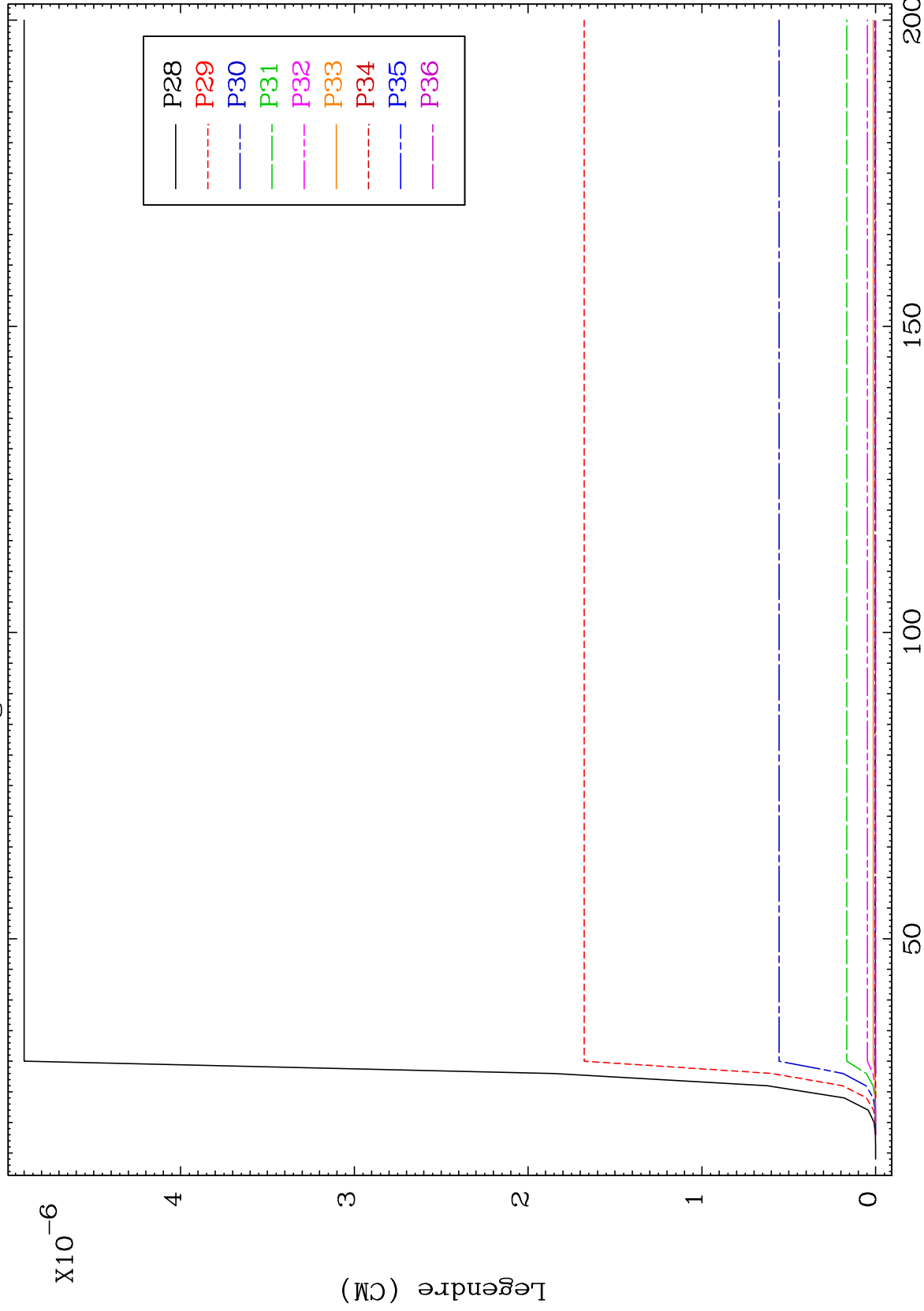
56-Ba-139



MAT 5652

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

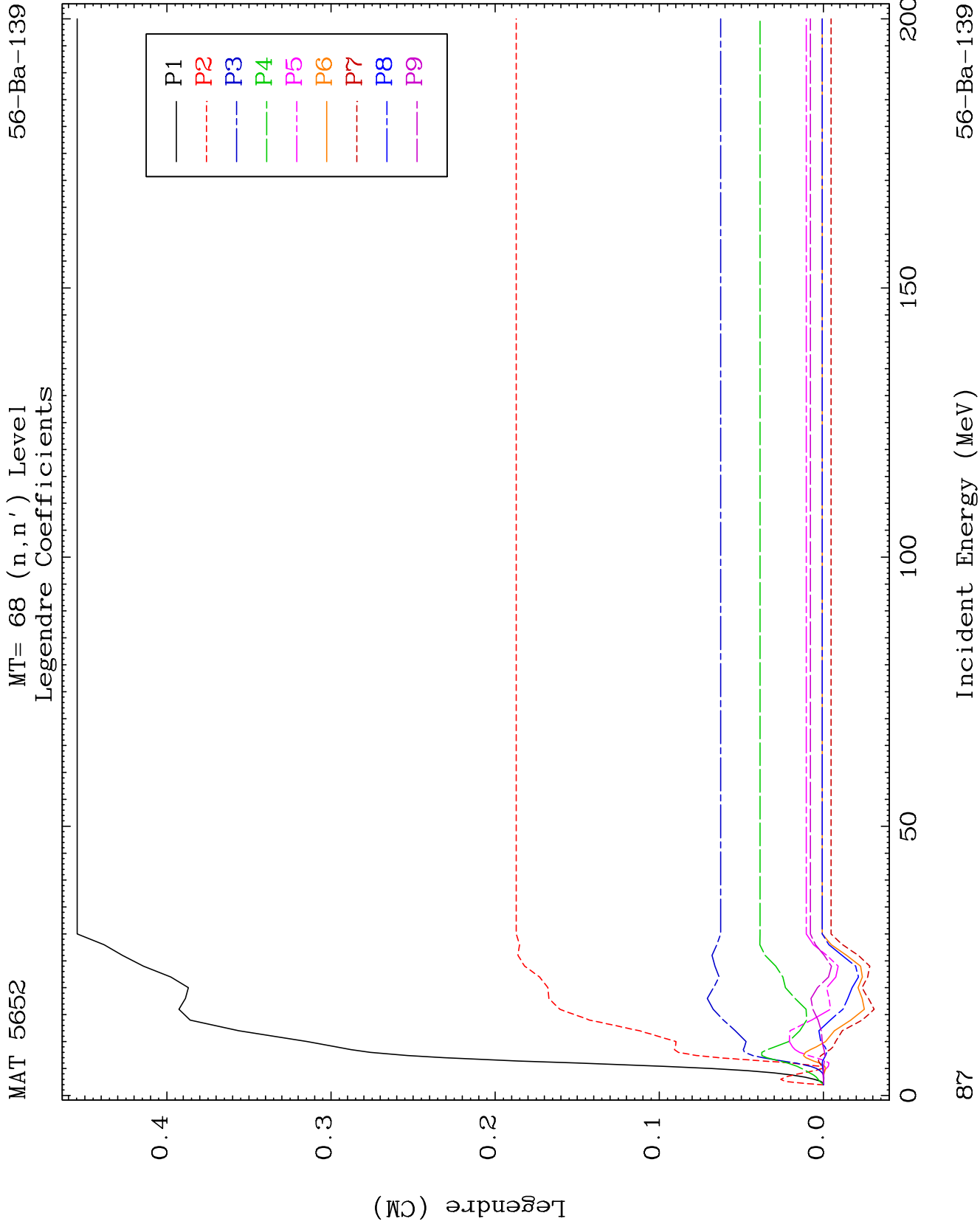
56-Ba-139



86

Incident Energy (MeV)

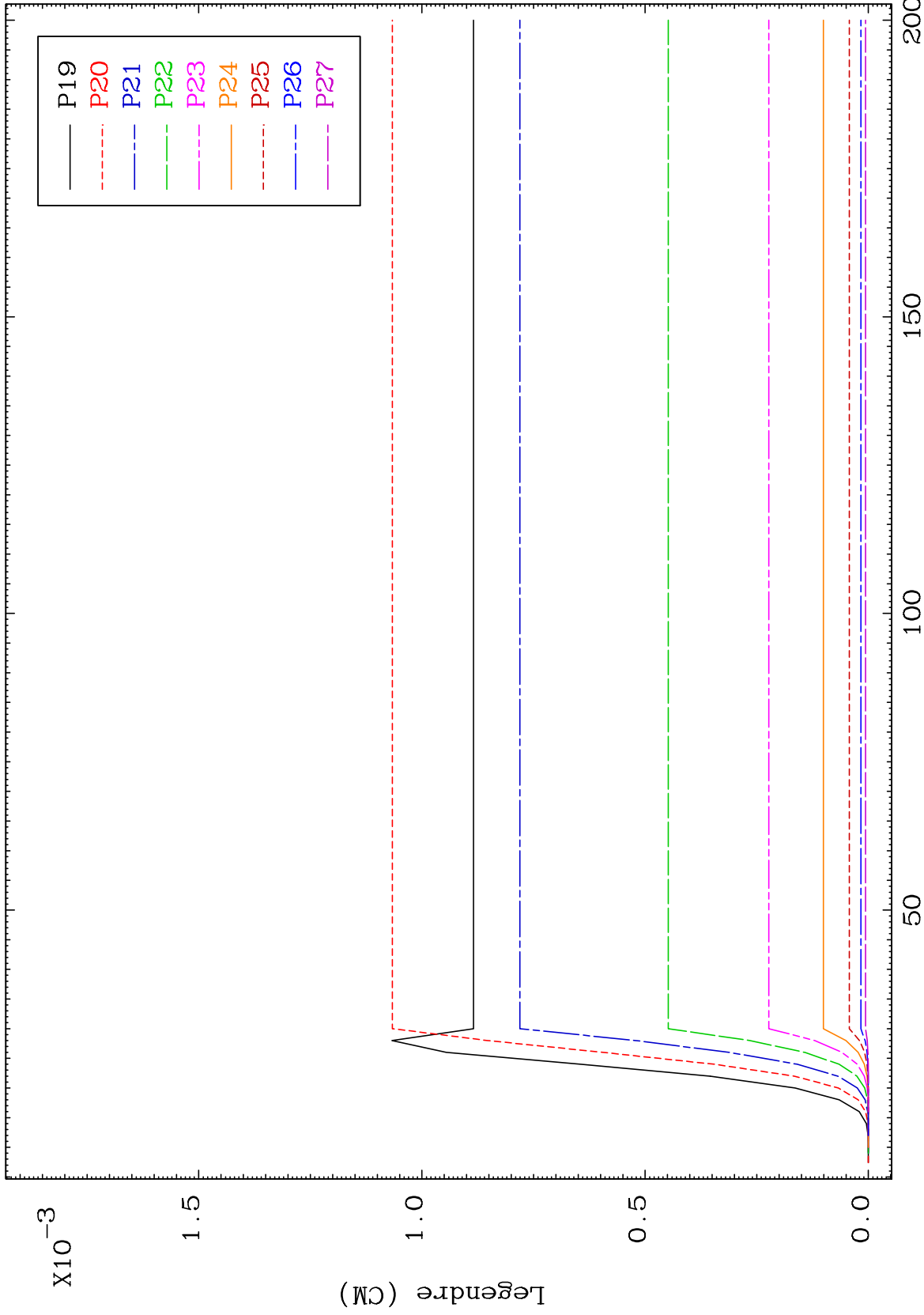
56-Ba-139



MAT 5652

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

56-Ba-139

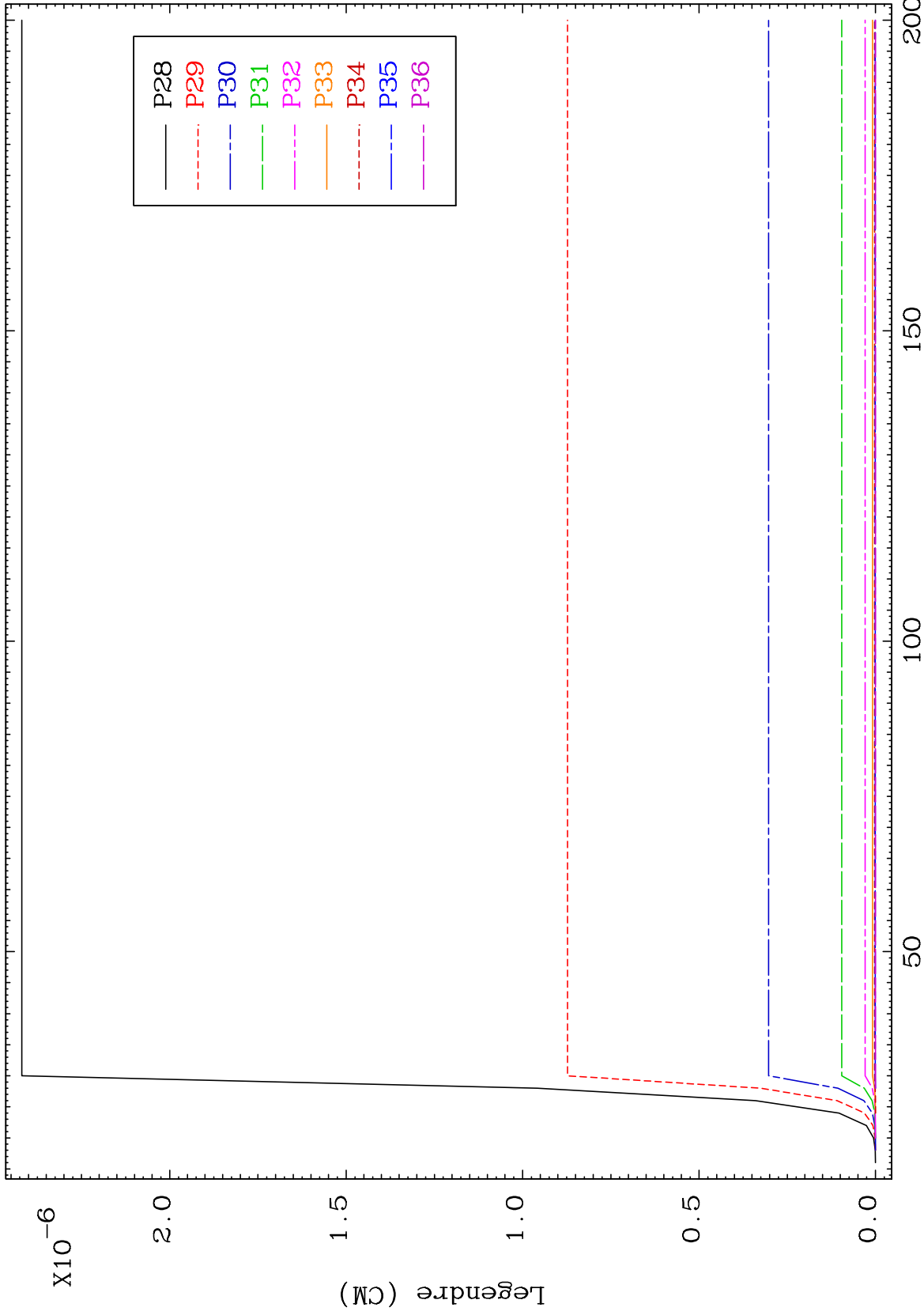


89

MAT 5652

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

56-Ba-139



90

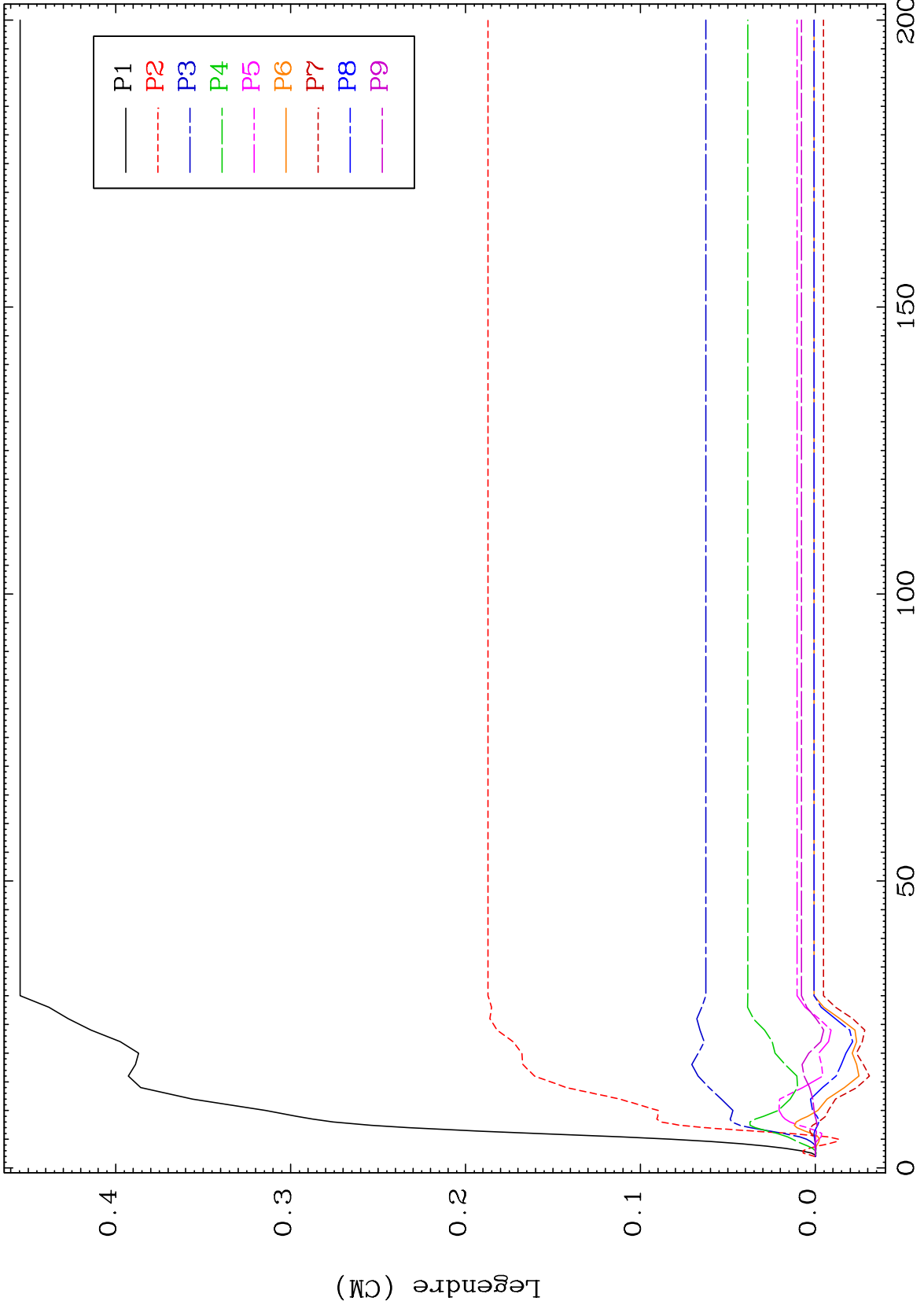
50

100

150

200

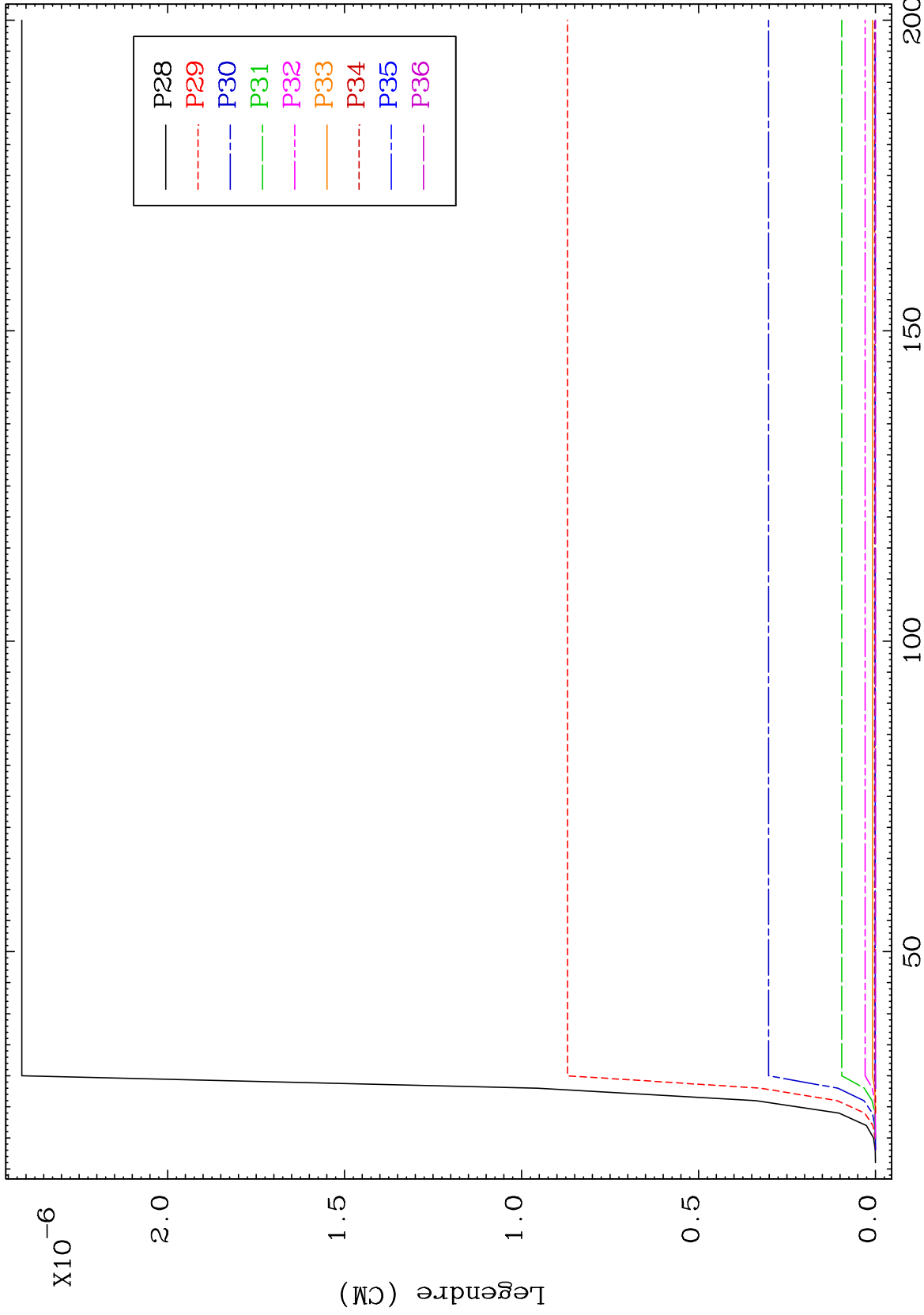
56-Ba-139



MAT 5652

MT= 69 (n,n') Level
Legendre Coefficients

56-Ba-139



94

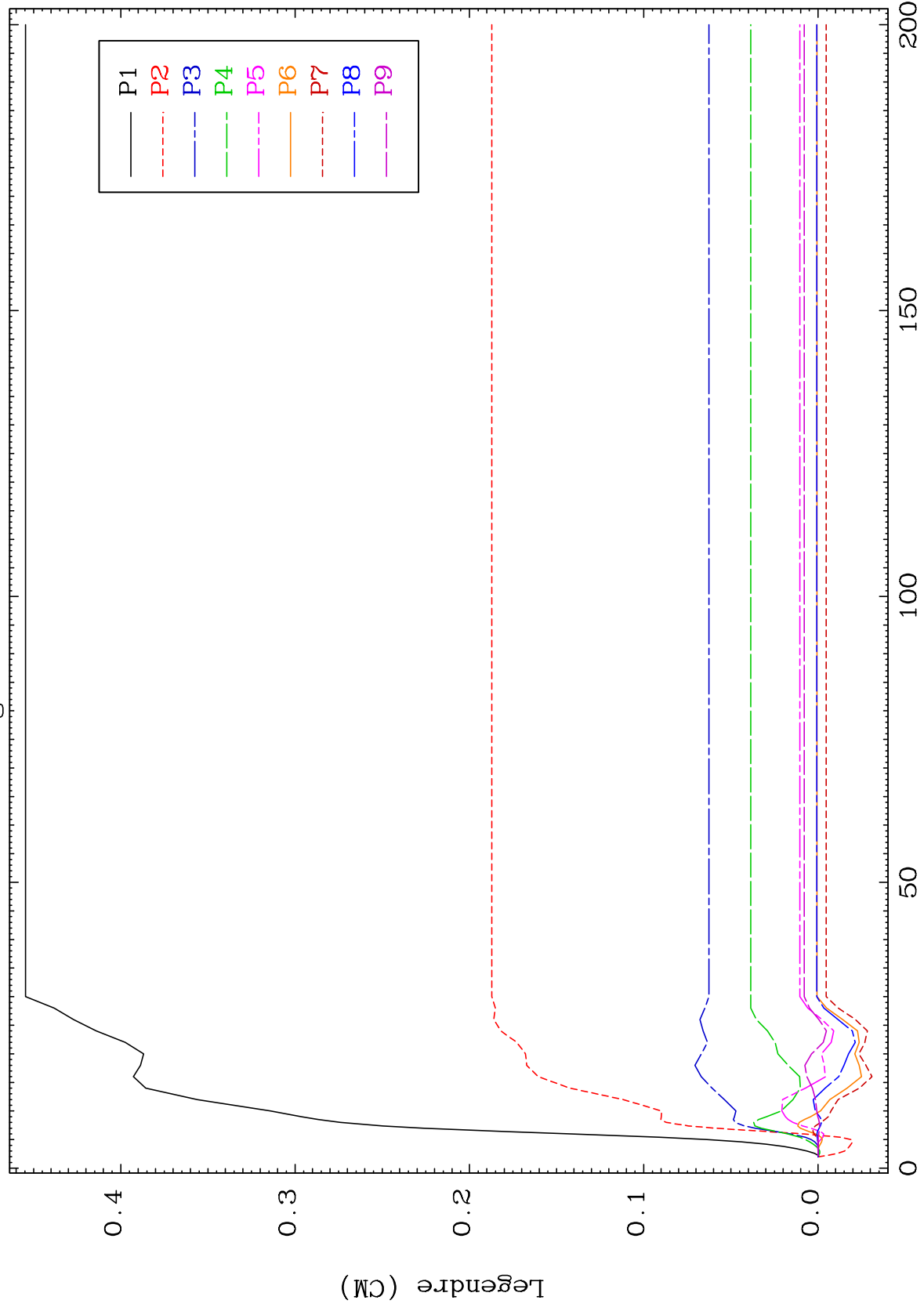
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139



56

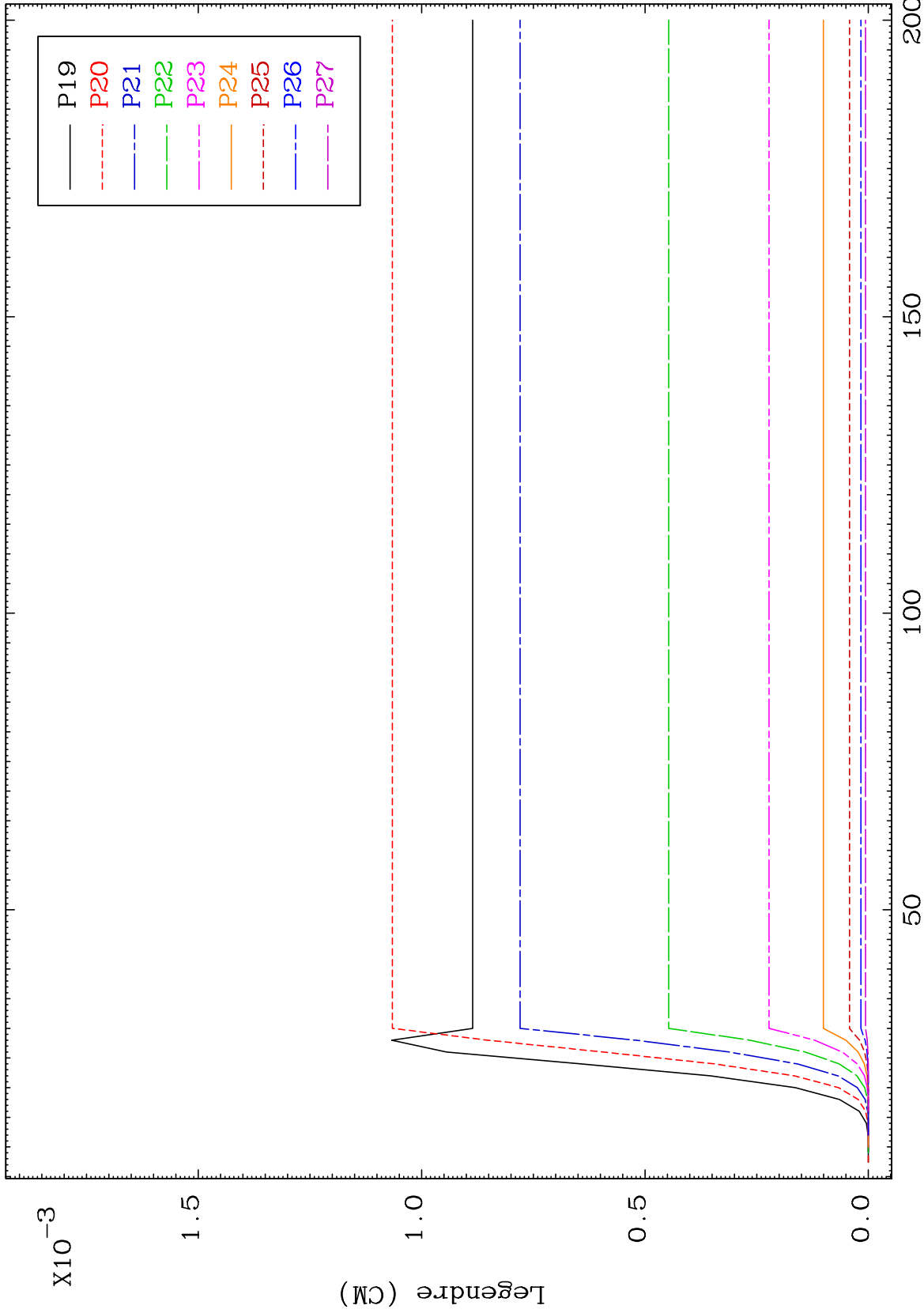
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139

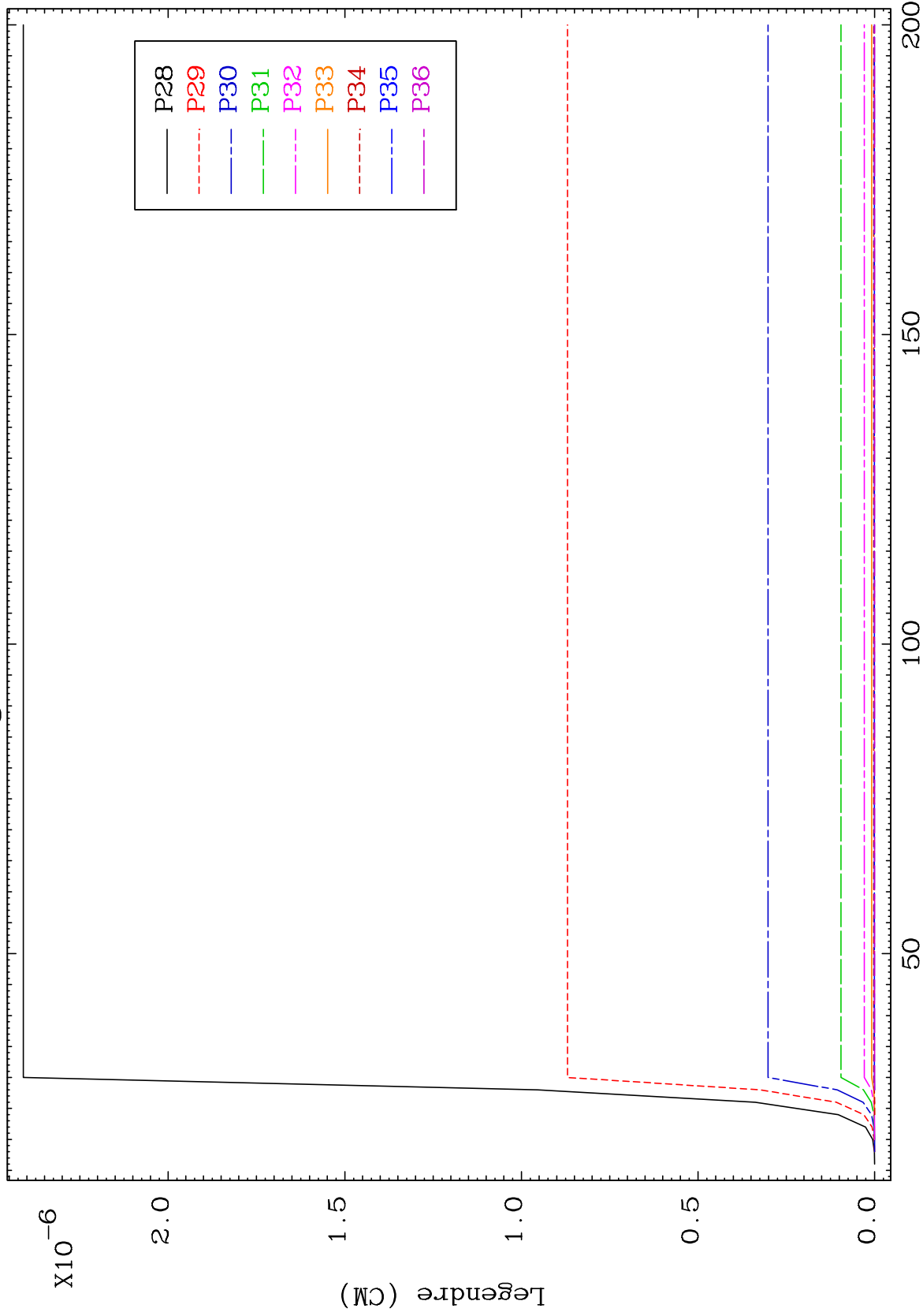


97

MAT 5652

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

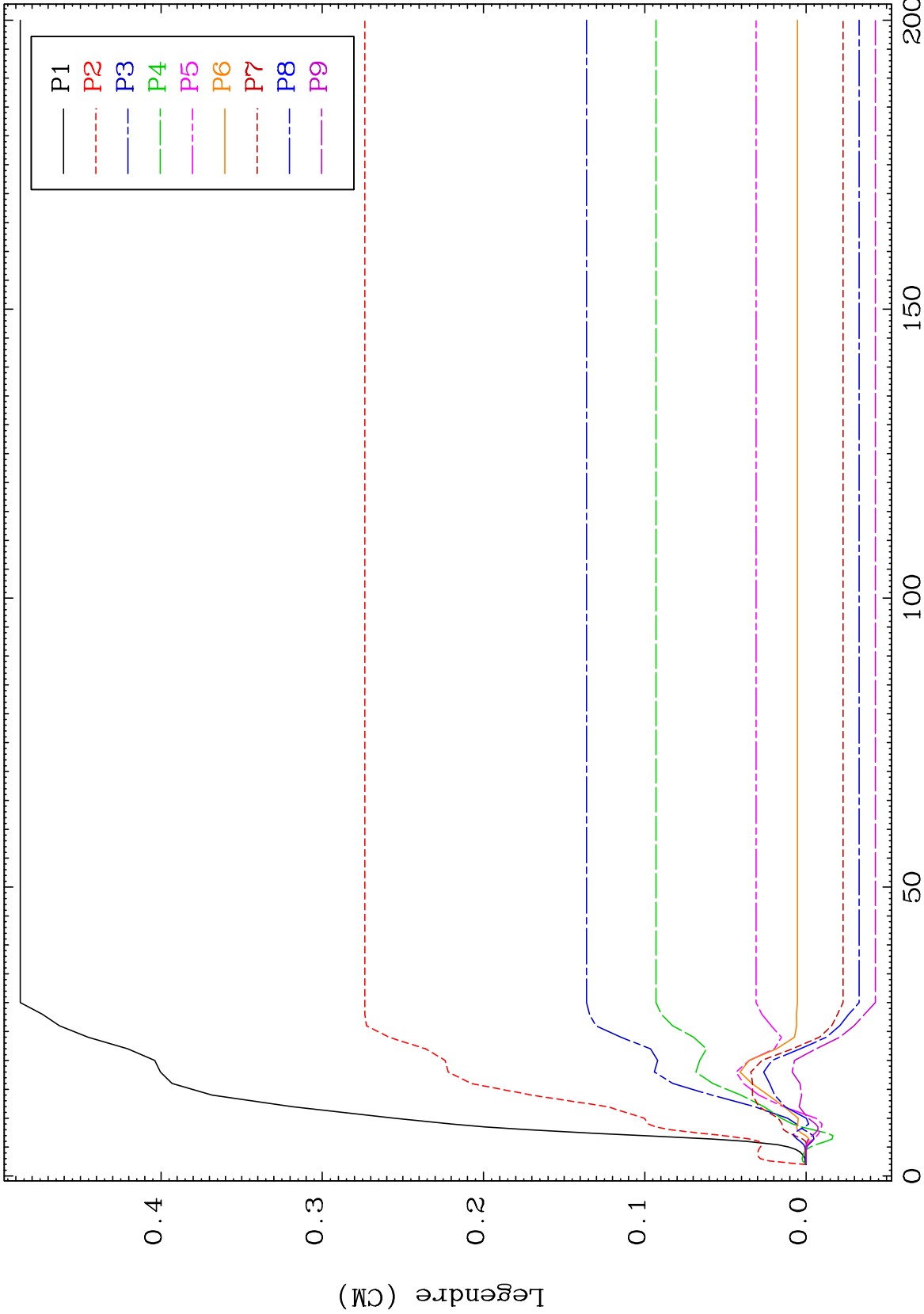
56-Ba-139

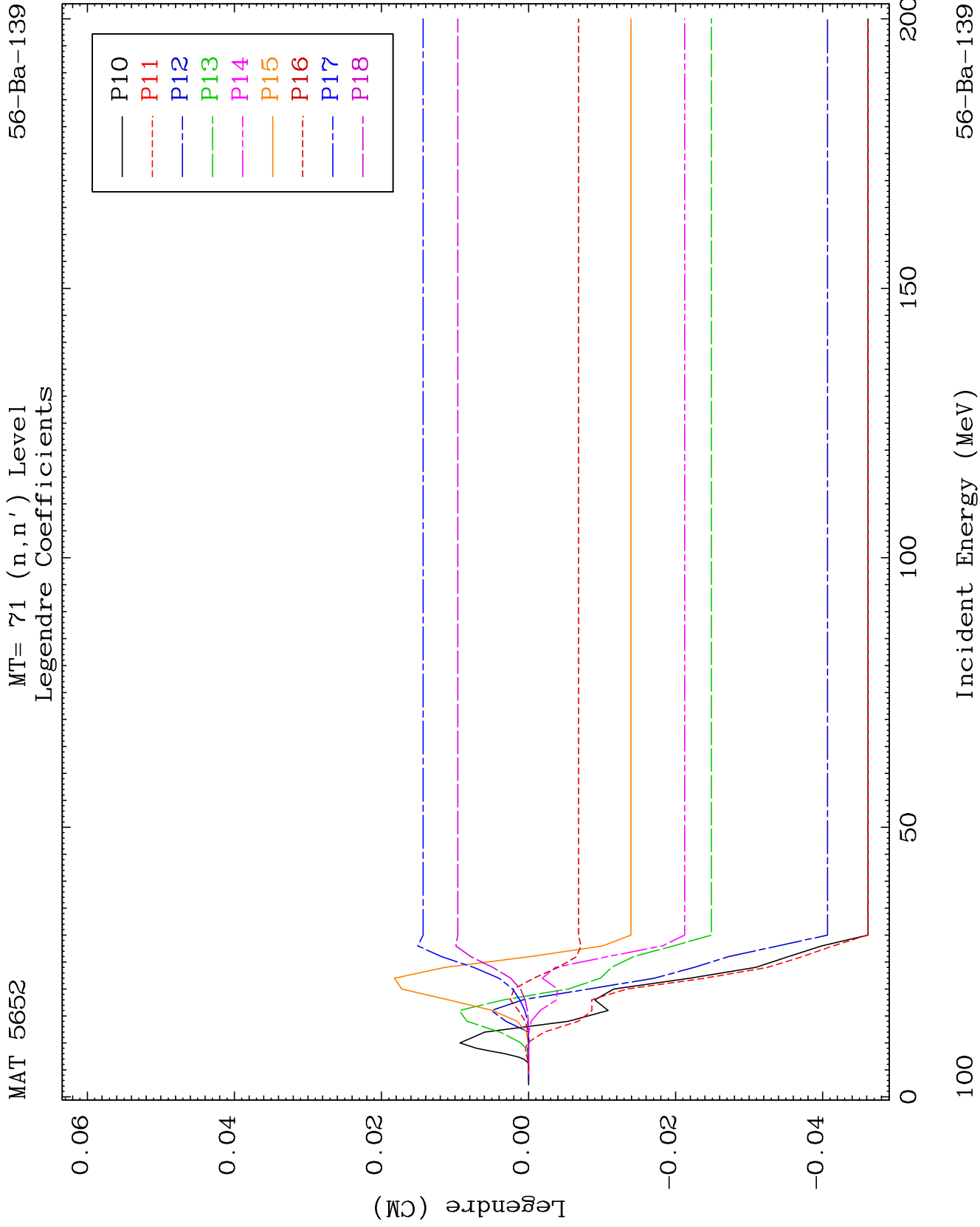


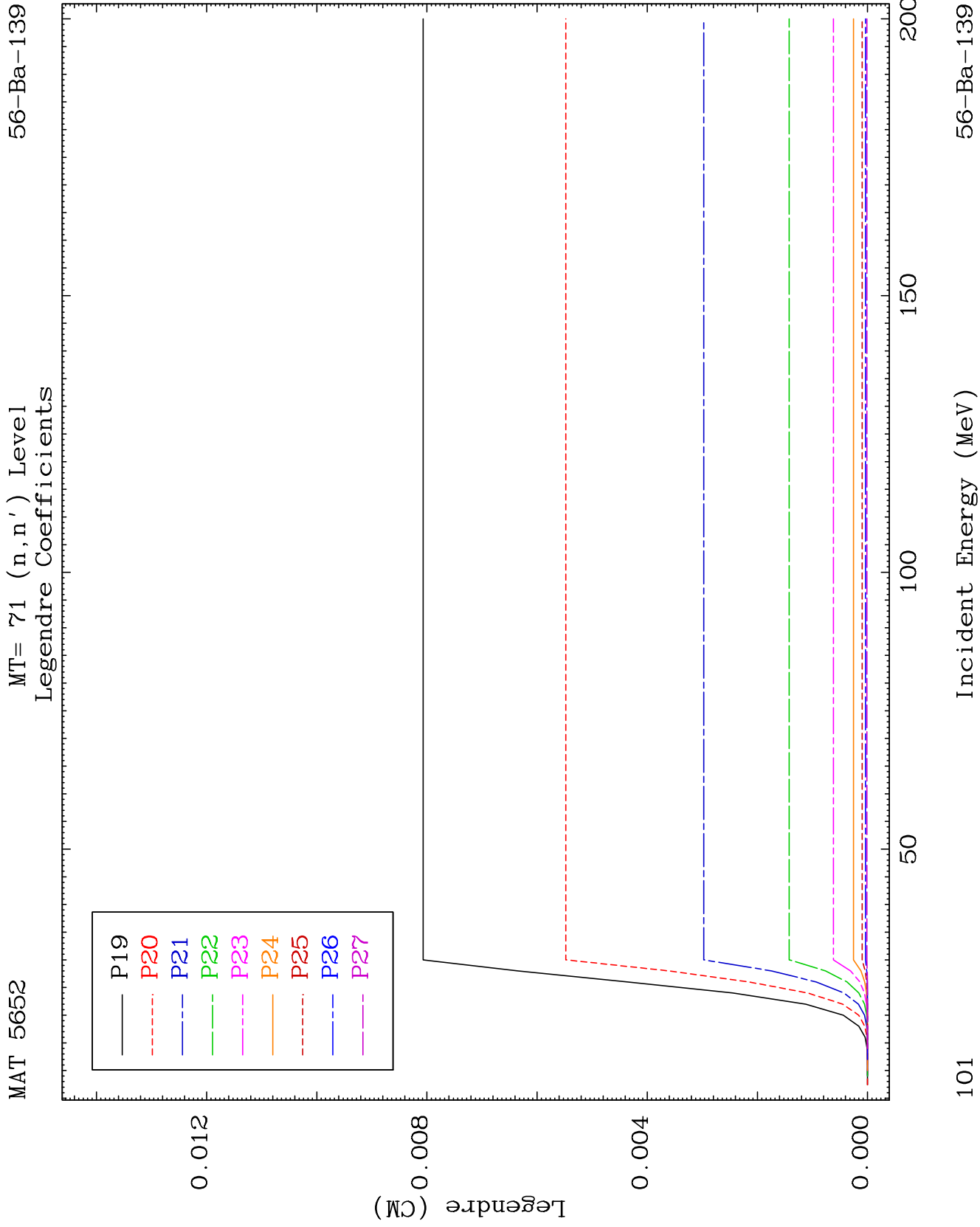
98

Incident Energy (MeV)

56-Ba-139



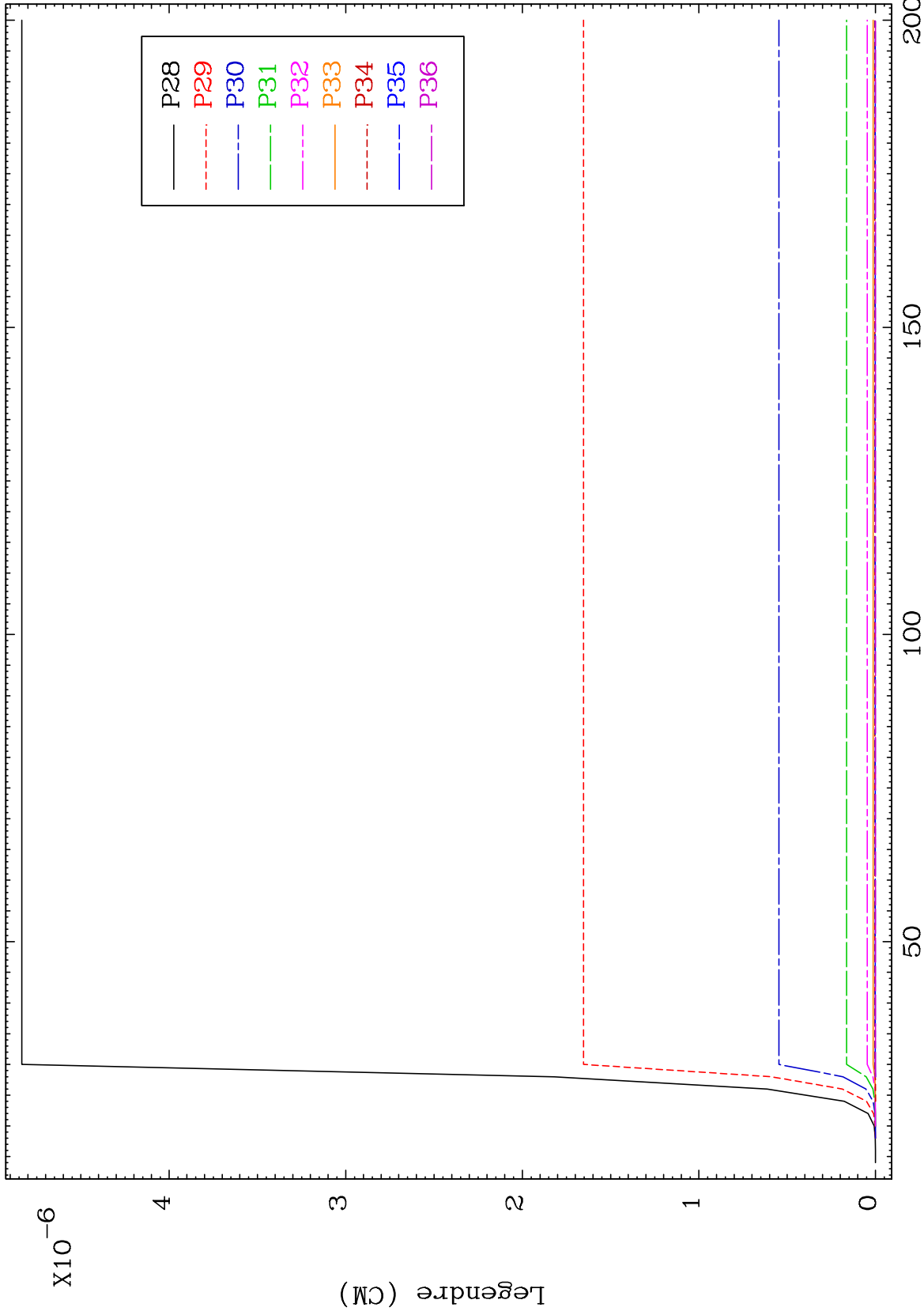




MAT 5652

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

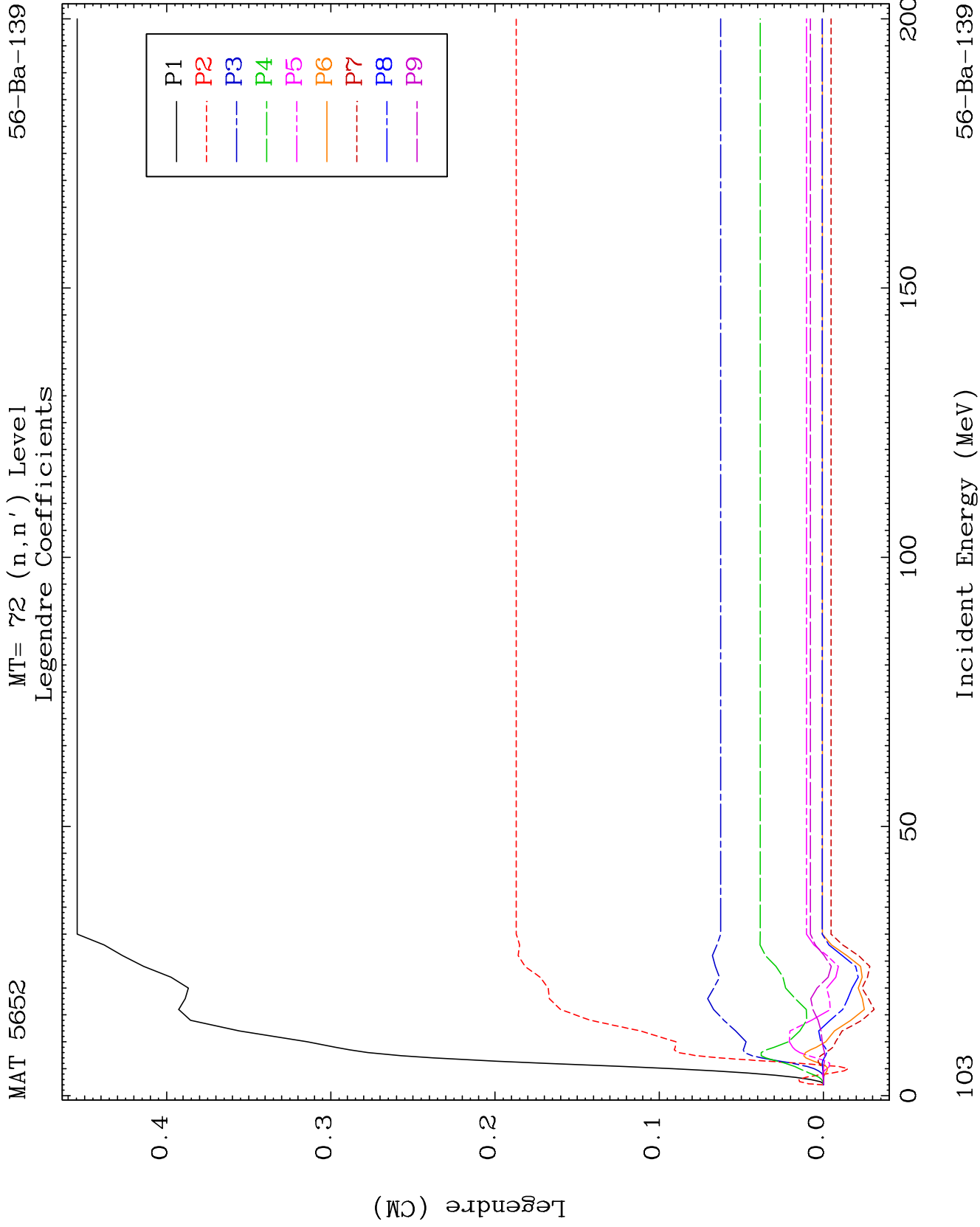
56-Ba-139



102

Incident Energy (MeV)

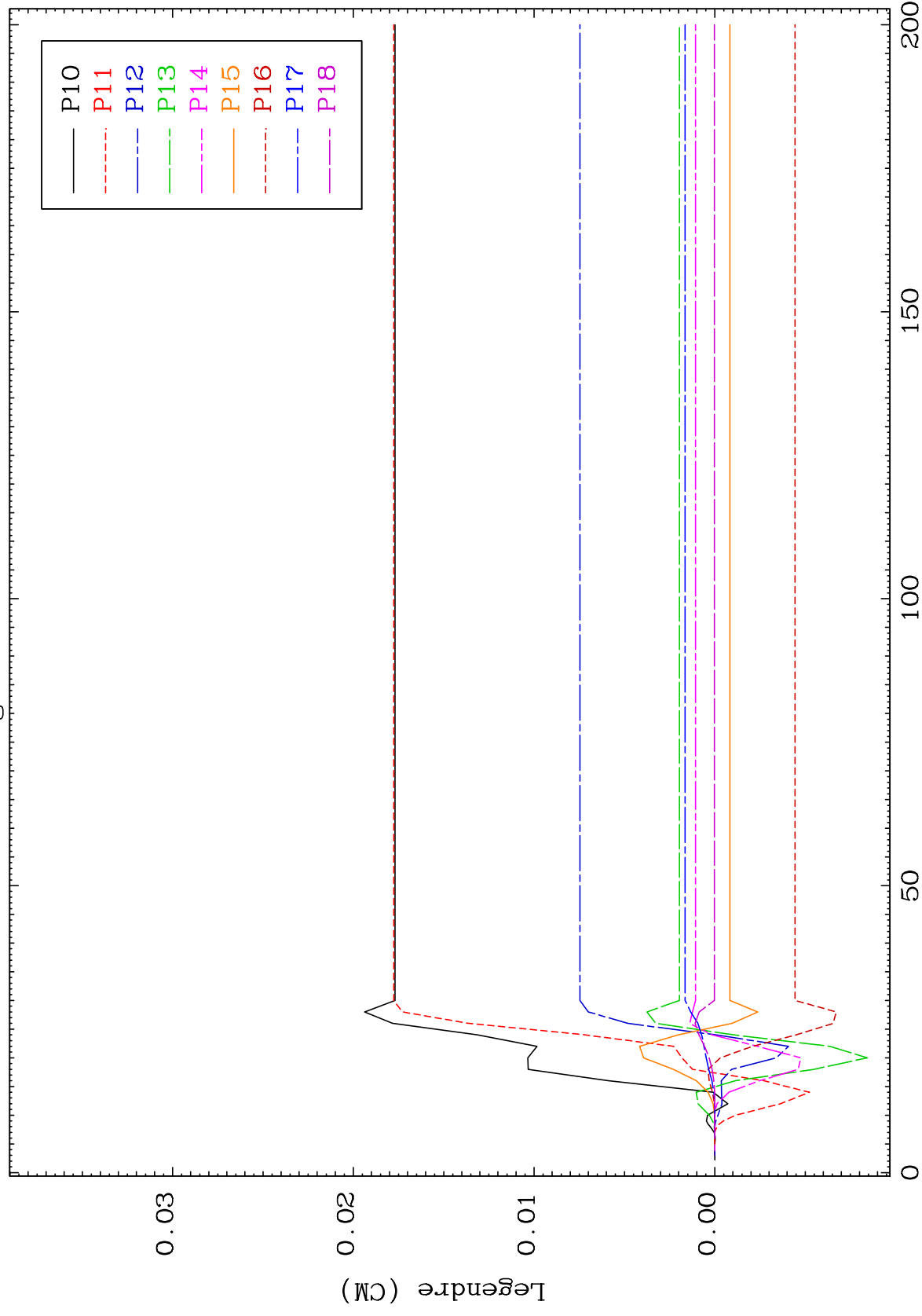
56-Ba-139



MAT 5652

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

56-Ba-139



104

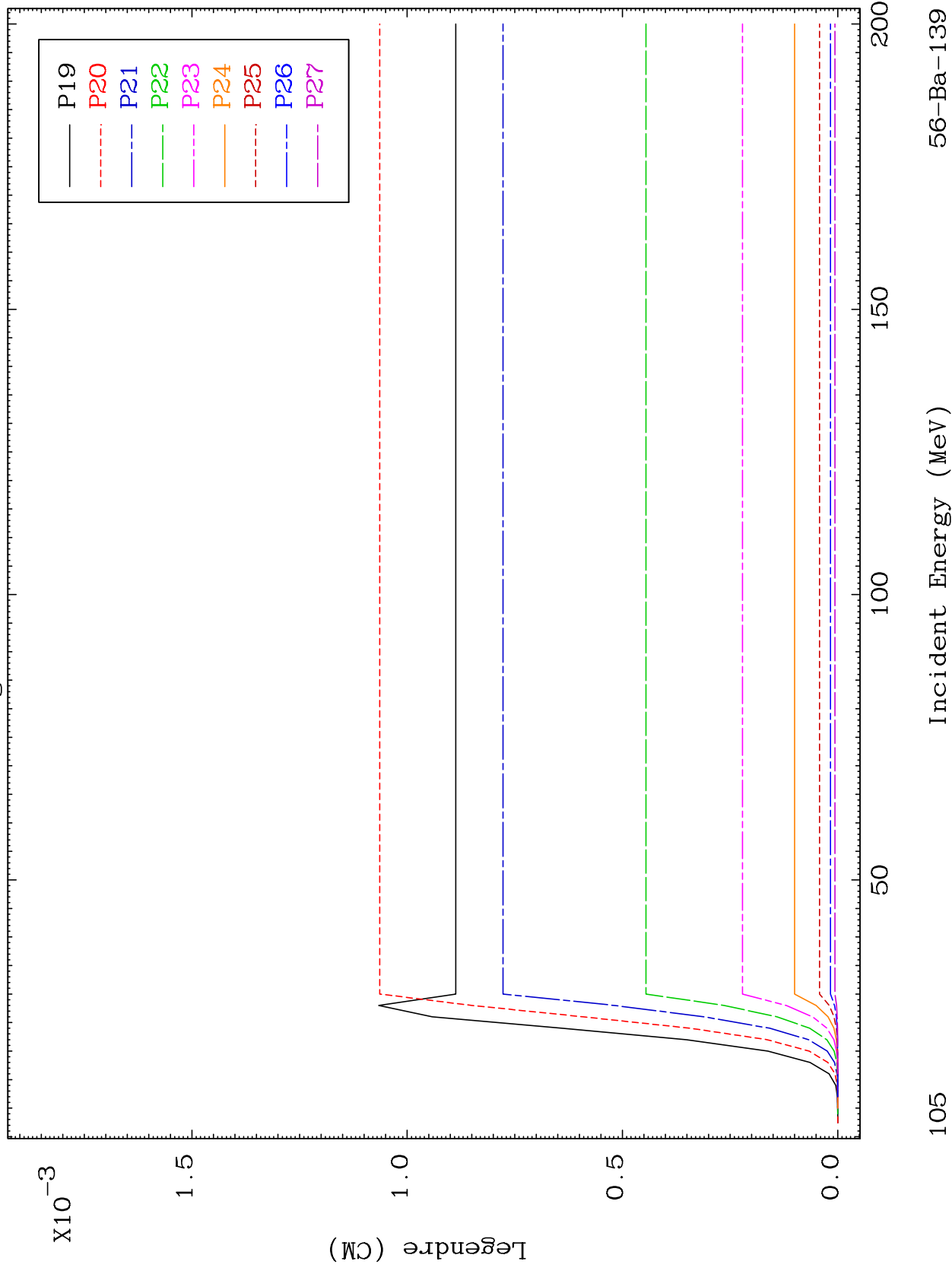
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

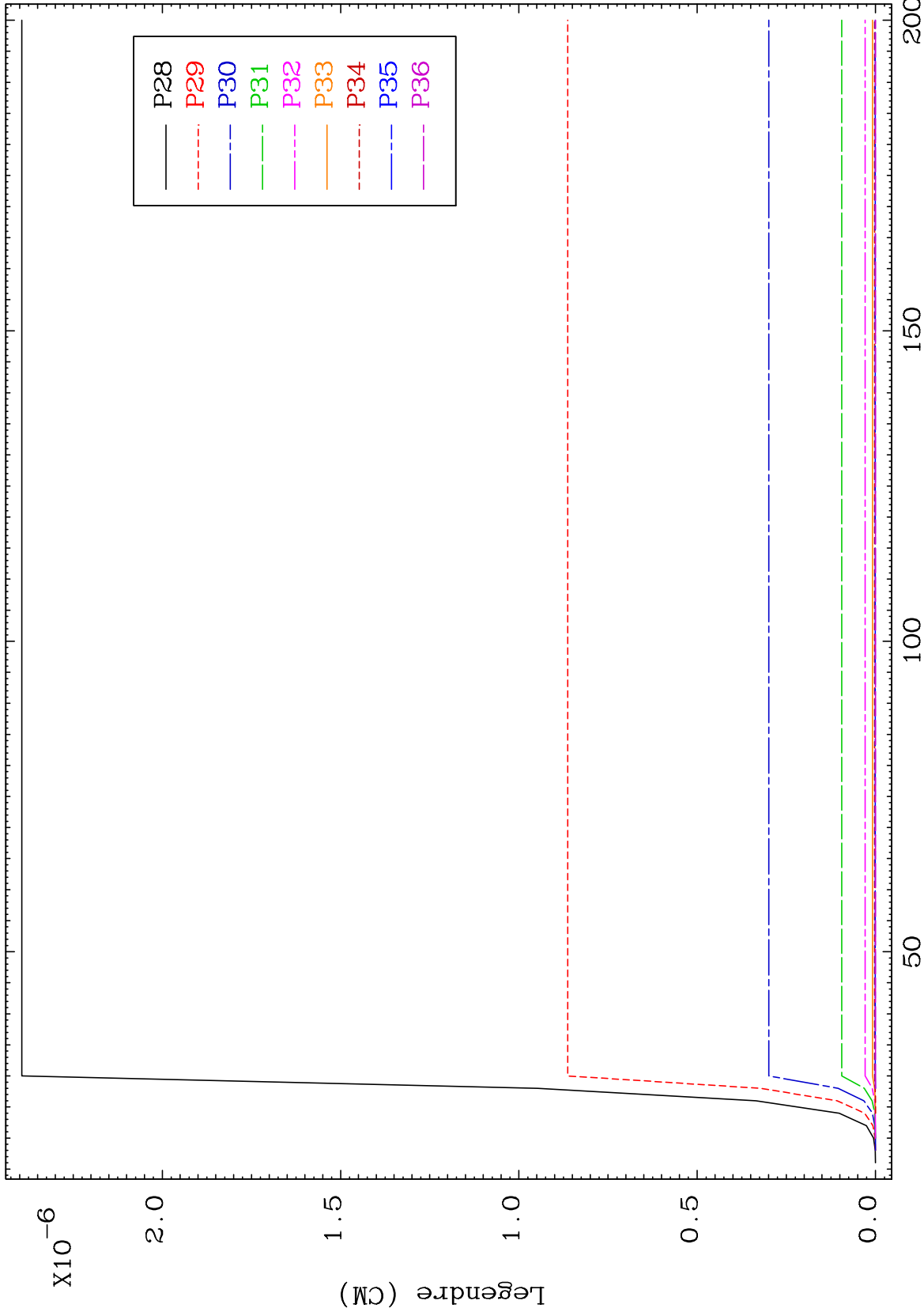
56-Ba-139



MAT 5652

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

56-Ba-139



106

50

100

150

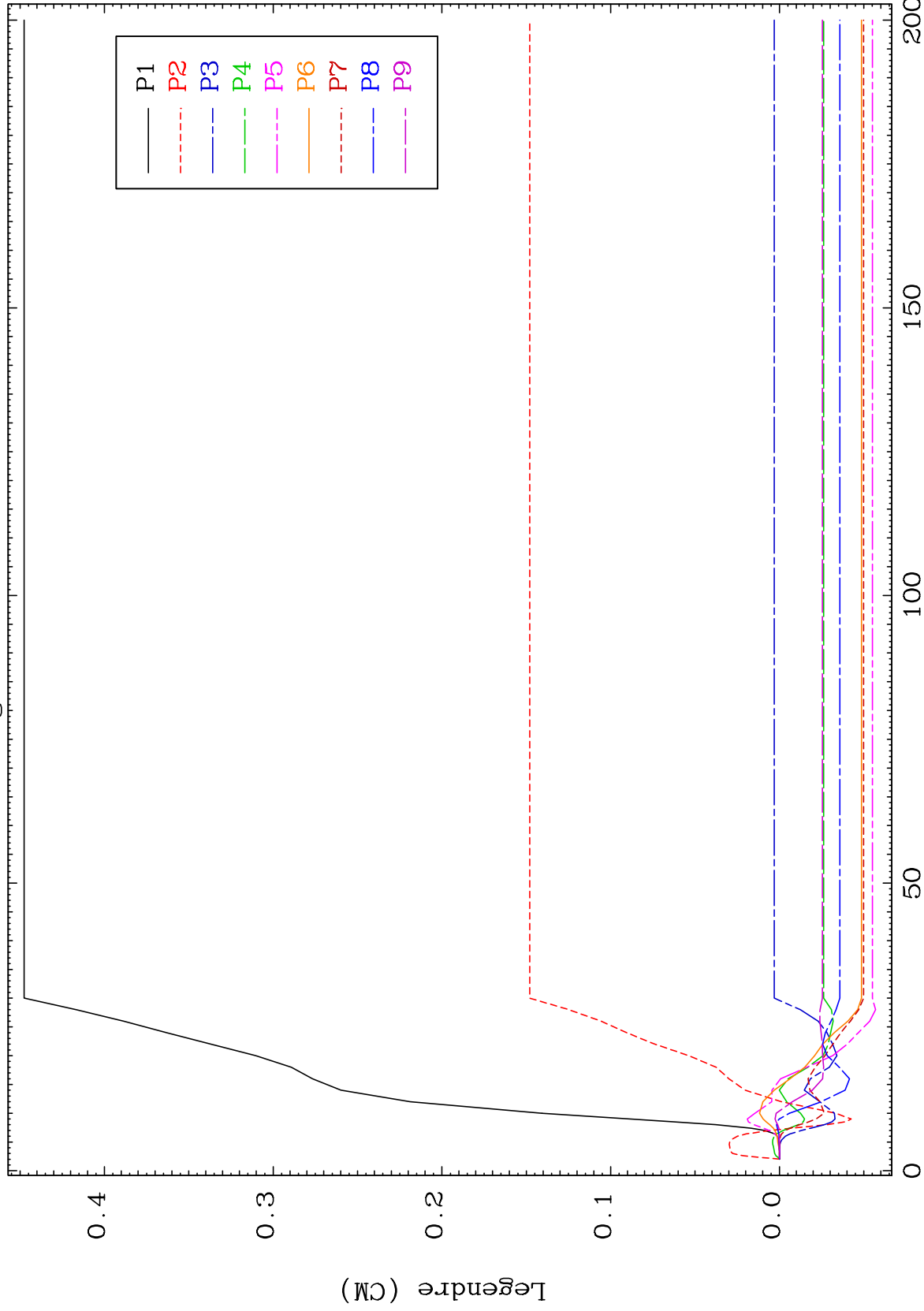
200

56-Ba-139

MAT 5652

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

56-Ba-139



107

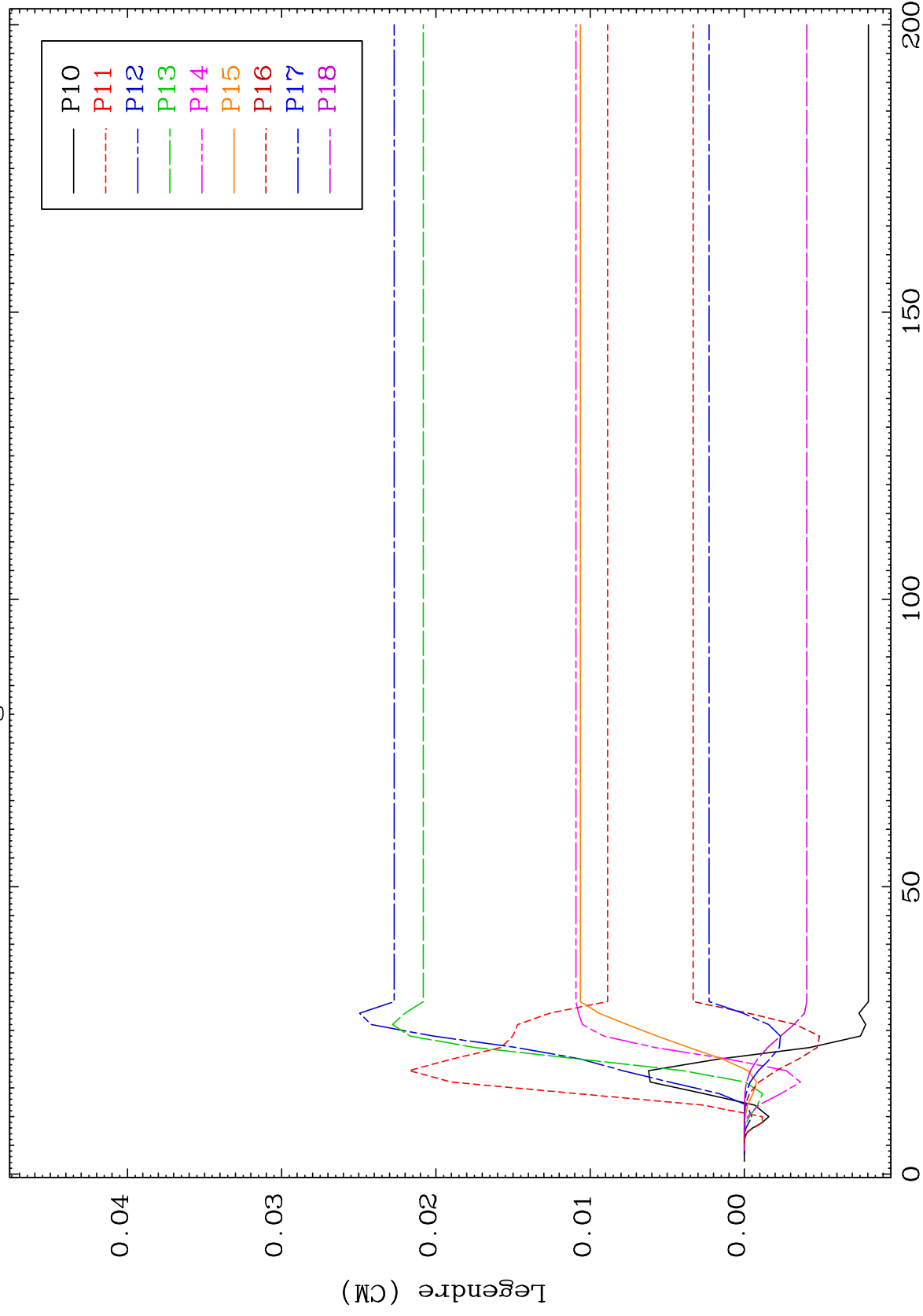
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139



108

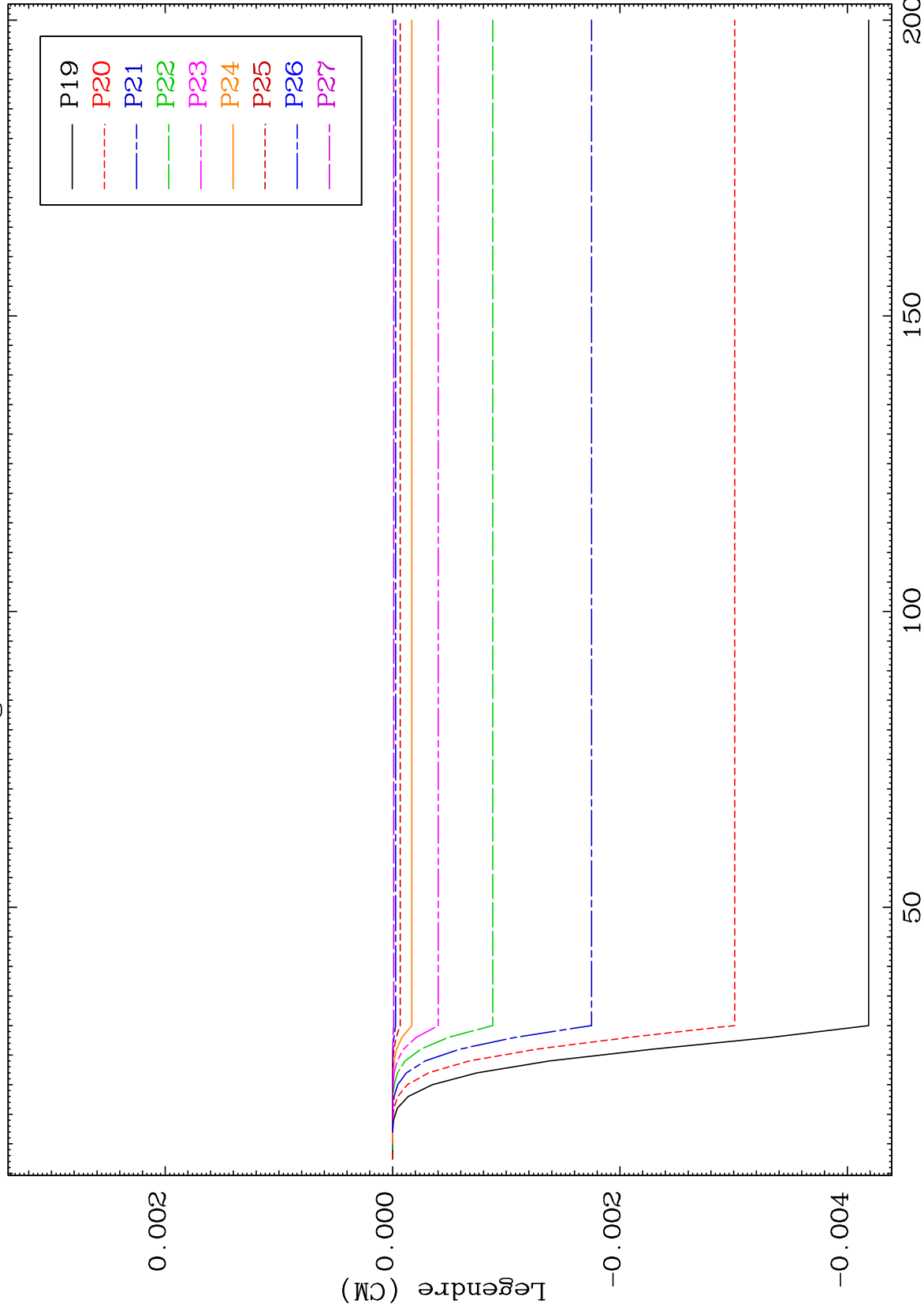
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

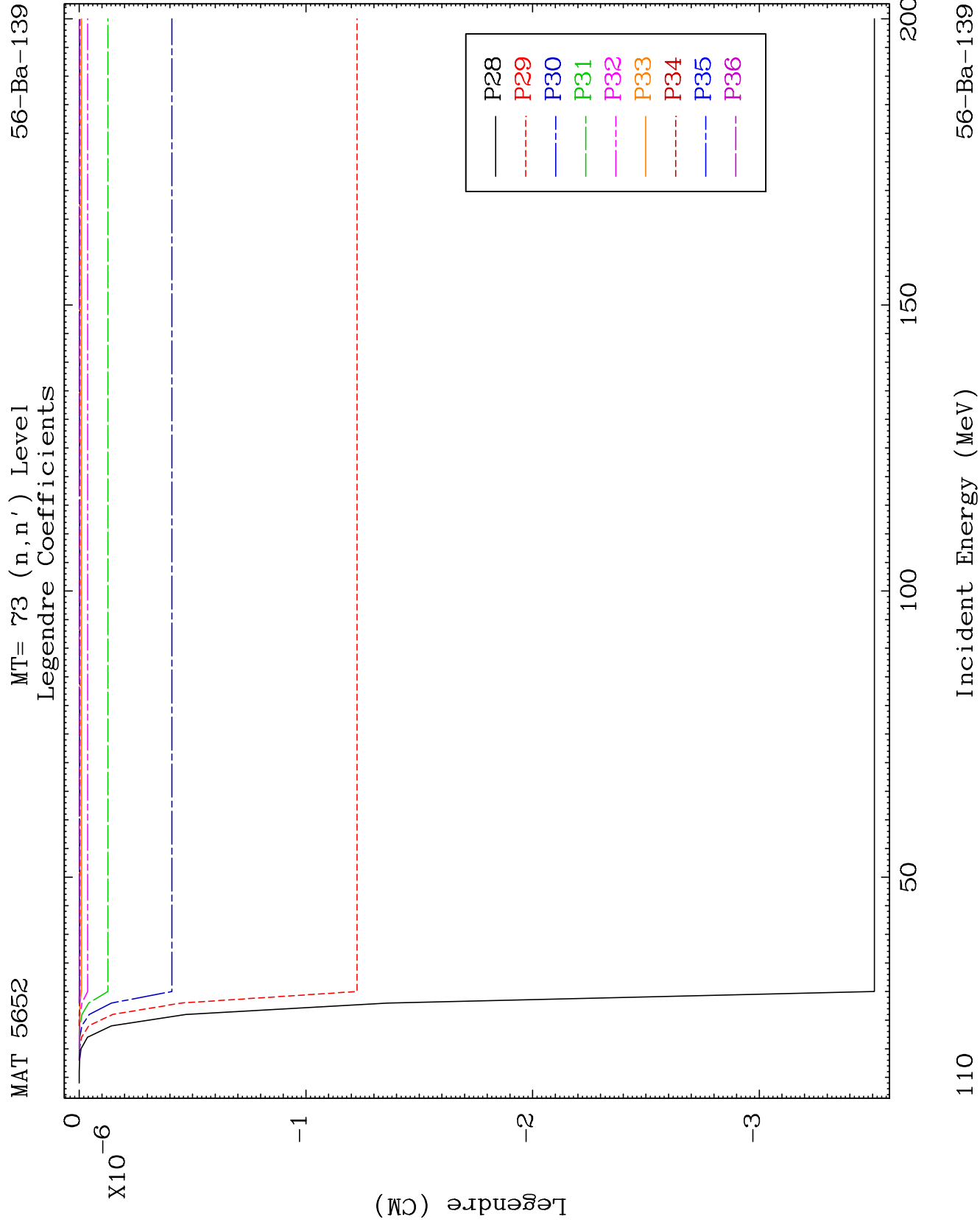
56-Ba-139



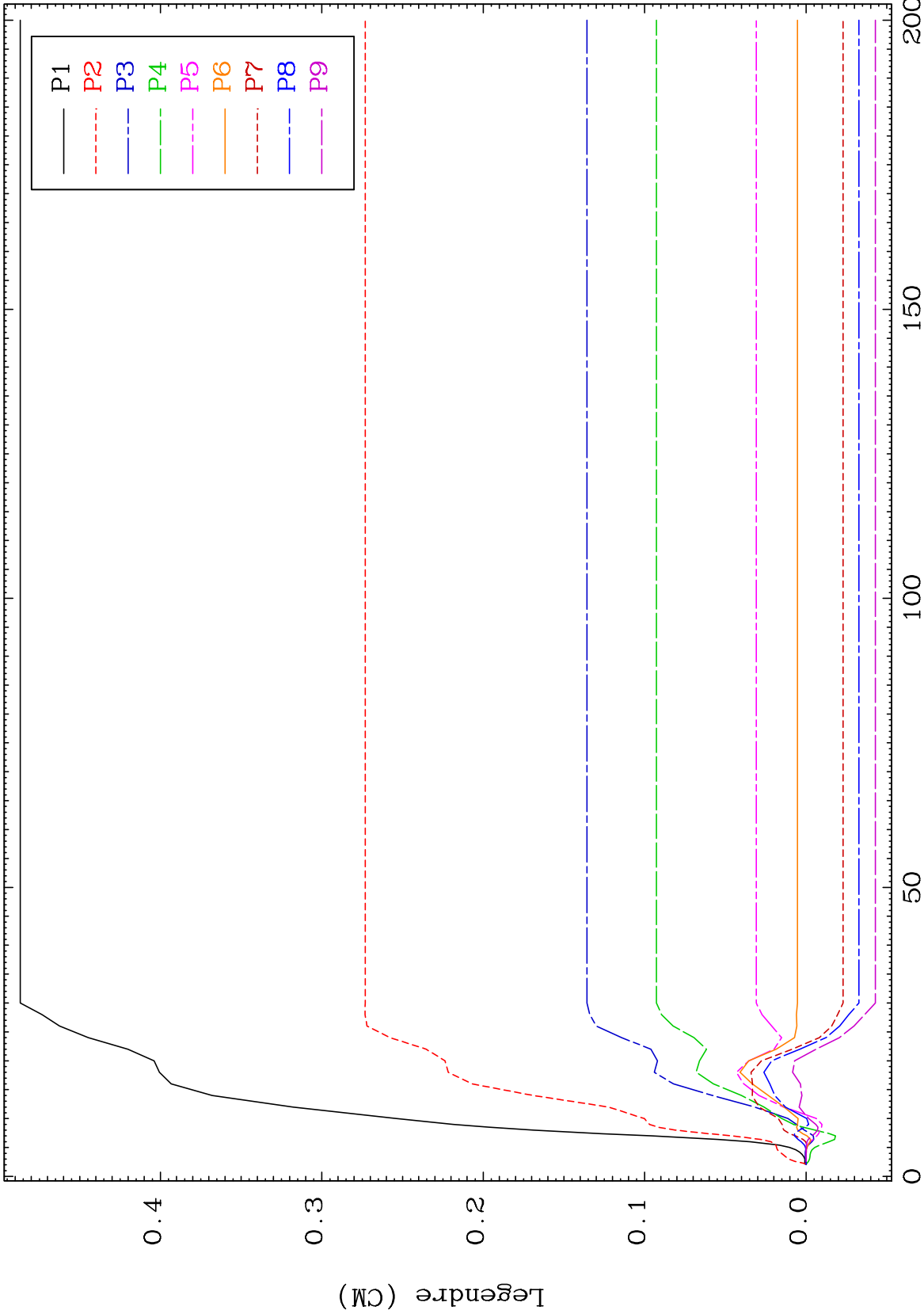
109

Incident Energy (MeV)

56-Ba-139



MAT 5652 MT= 74 (n,n') Level Legendre Coefficients 56-Ba-139

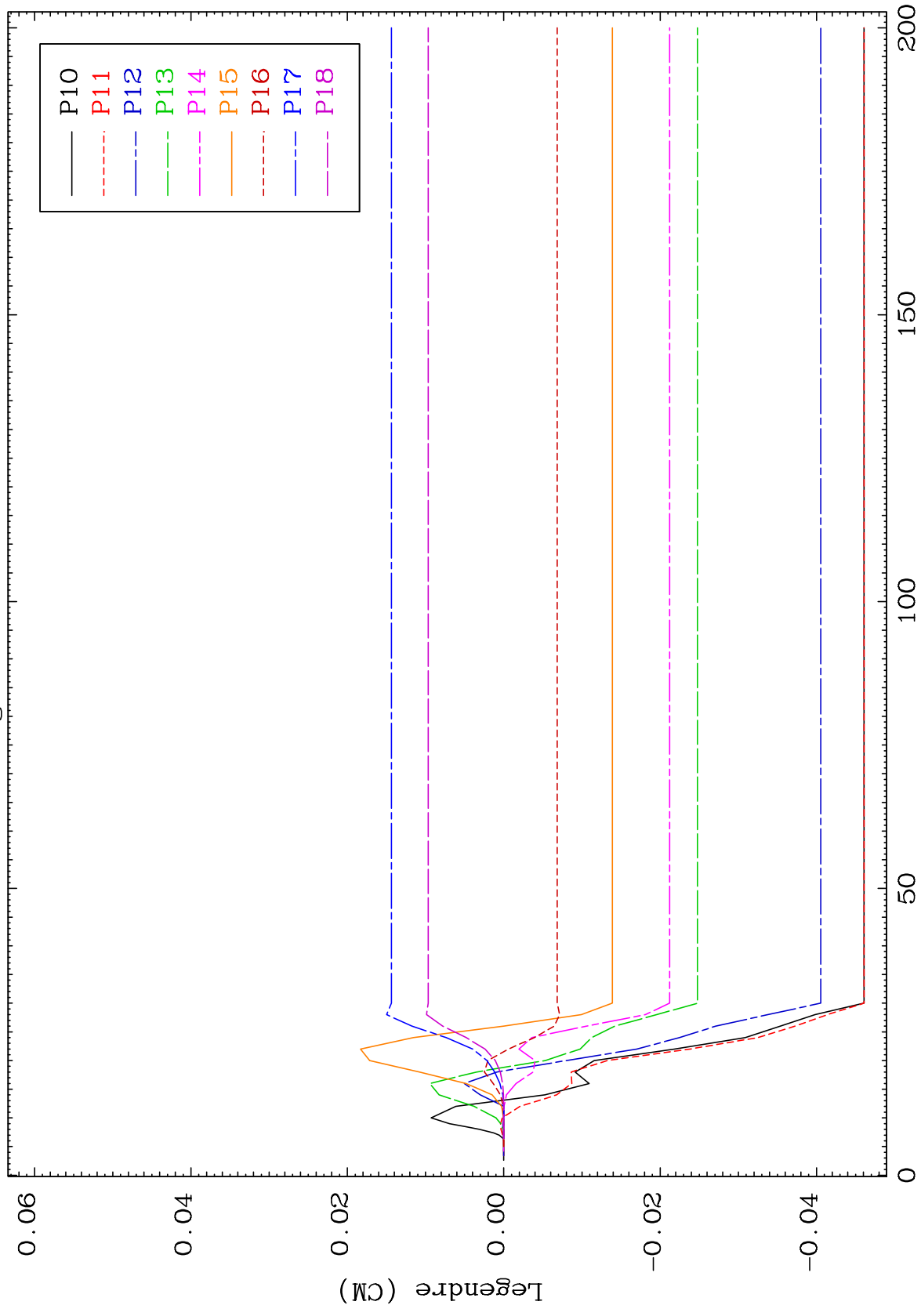


111 56-Ba-139

MAT 5652

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

56-Ba-139



112

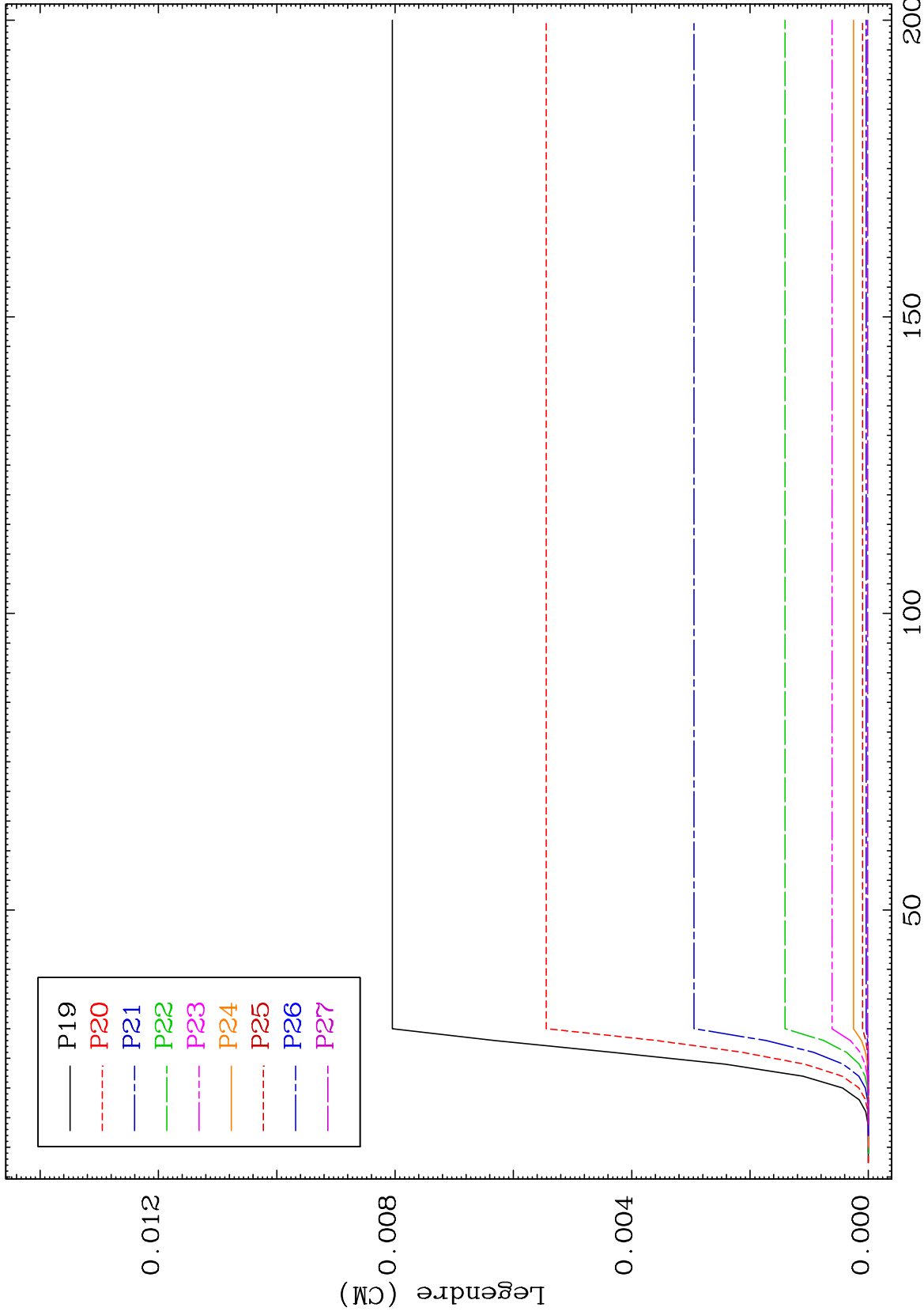
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139



113

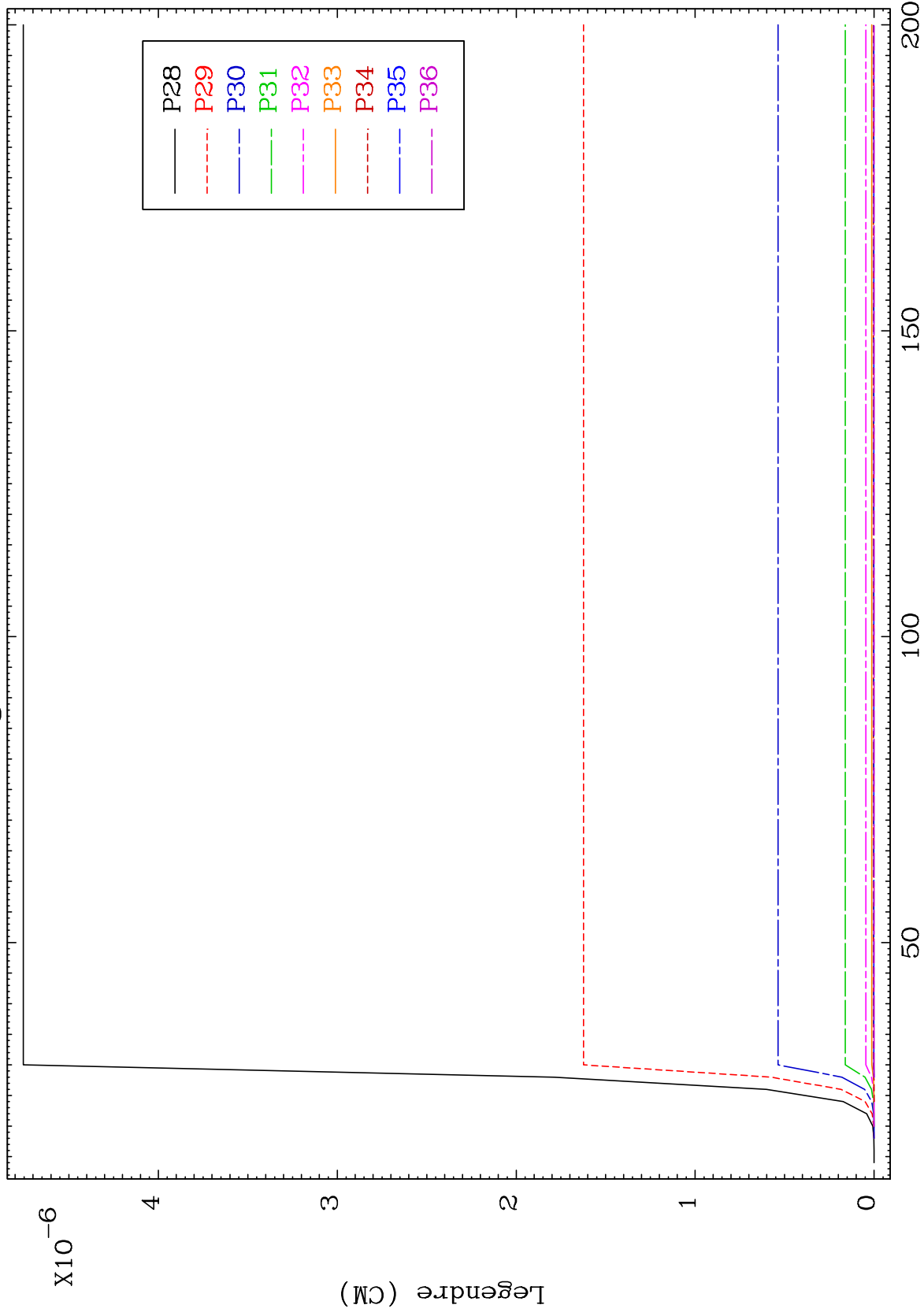
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139

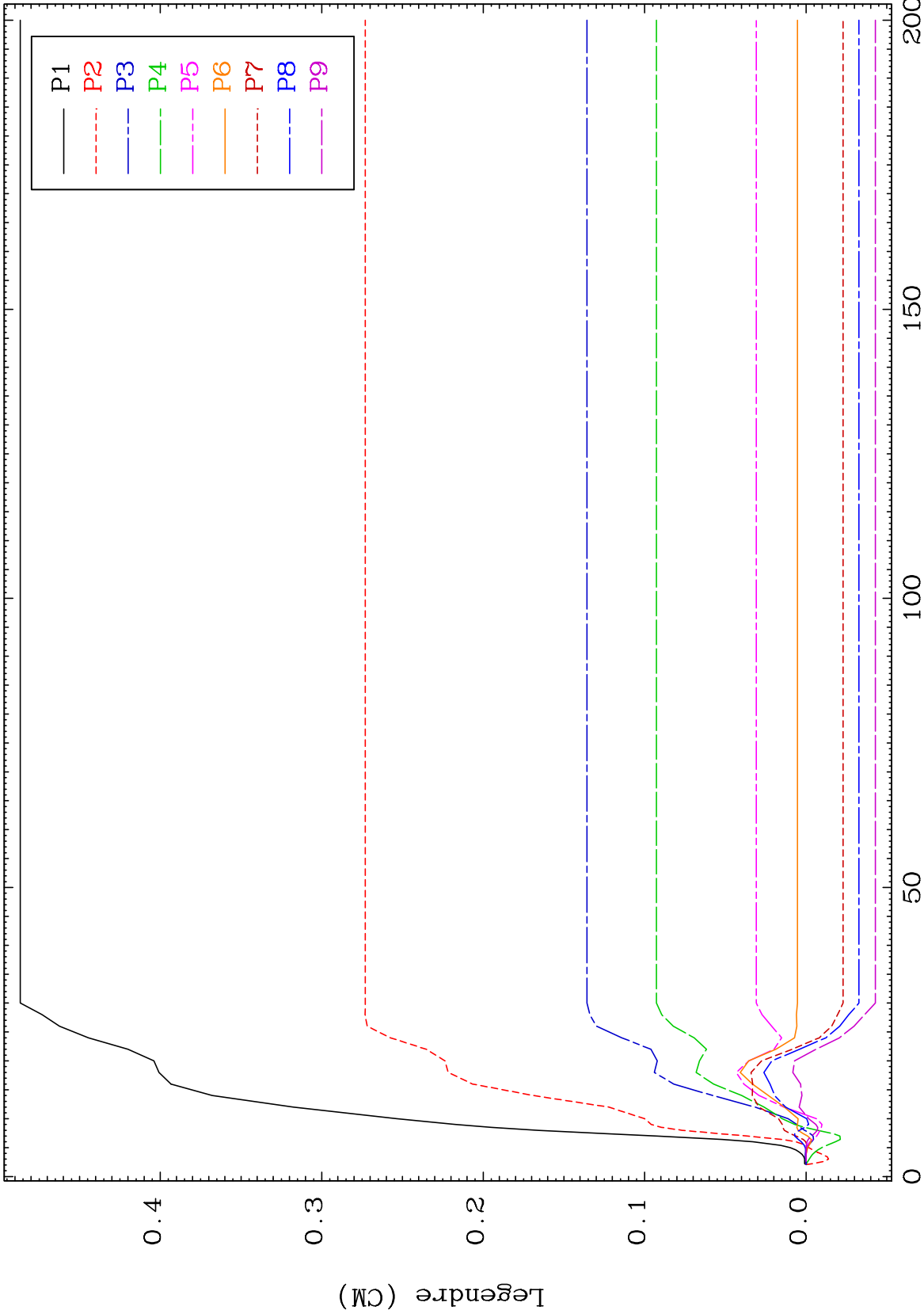


114

Incident Energy (MeV)

56-Ba-139

MAT 5652 MT= 75 (n,n') Level Legendre Coefficients 56-Ba-139

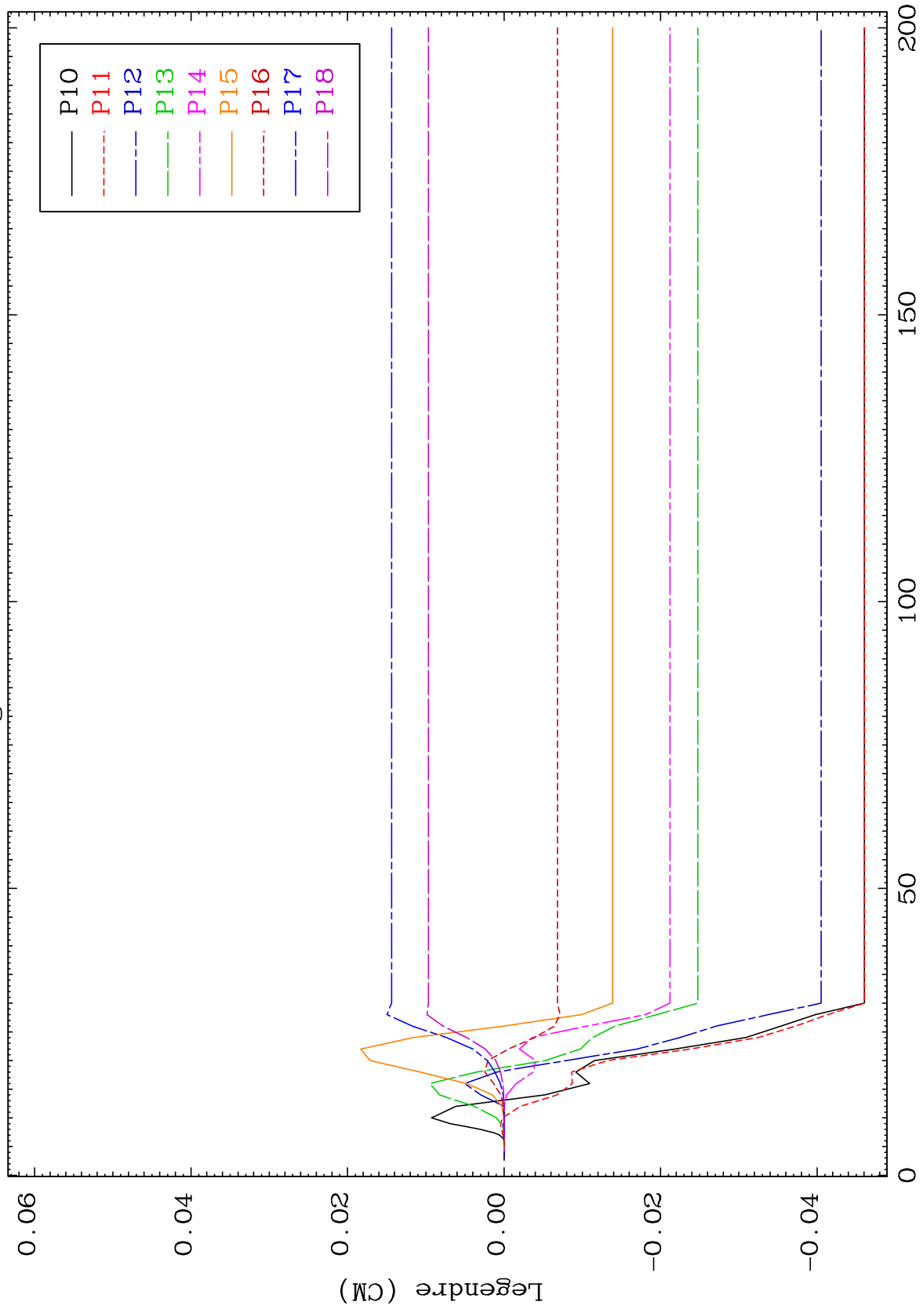


115 Incident Energy (MeV) 56-Ba-139

MAT 5652

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

56-Ba-139



116

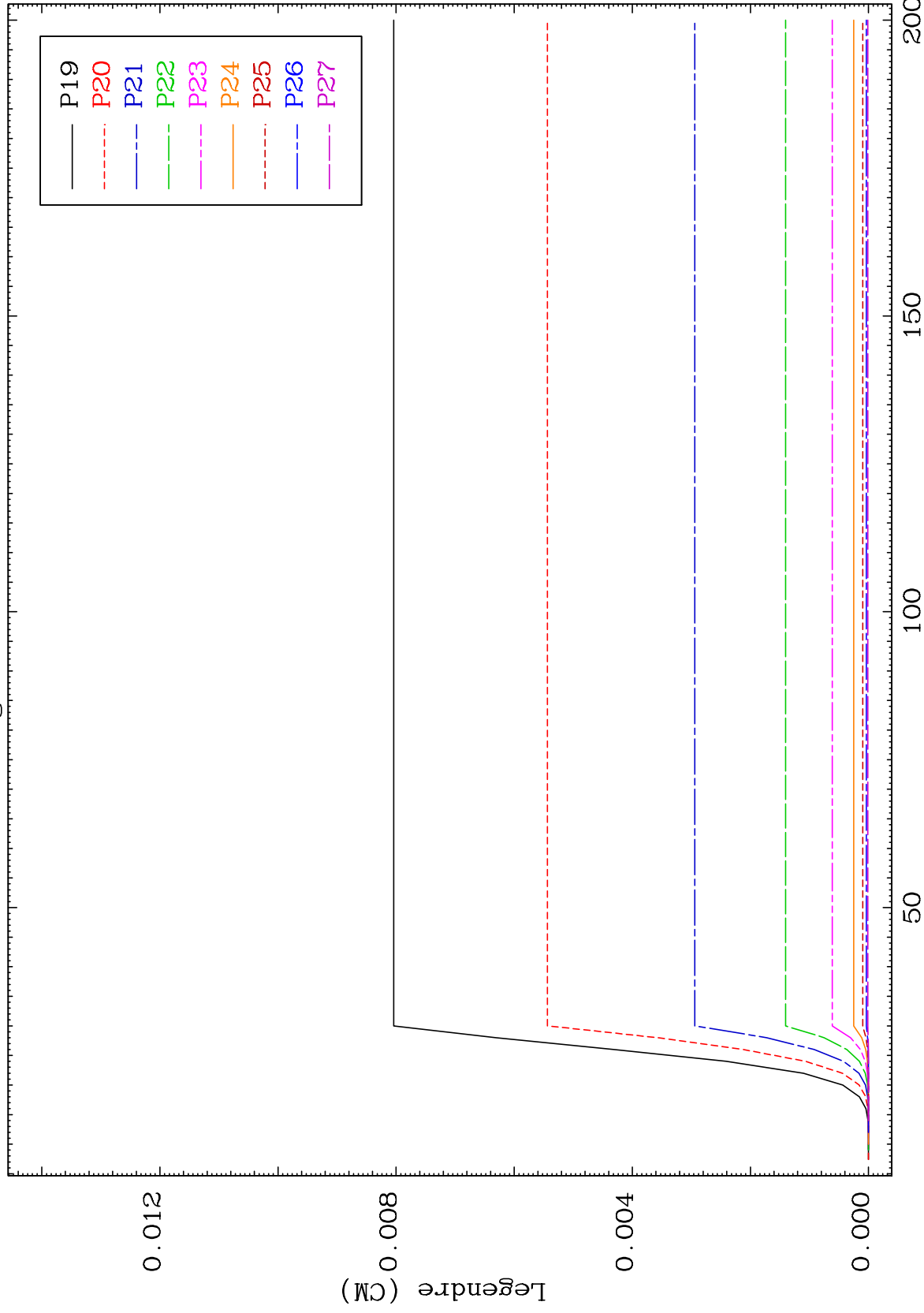
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139



117

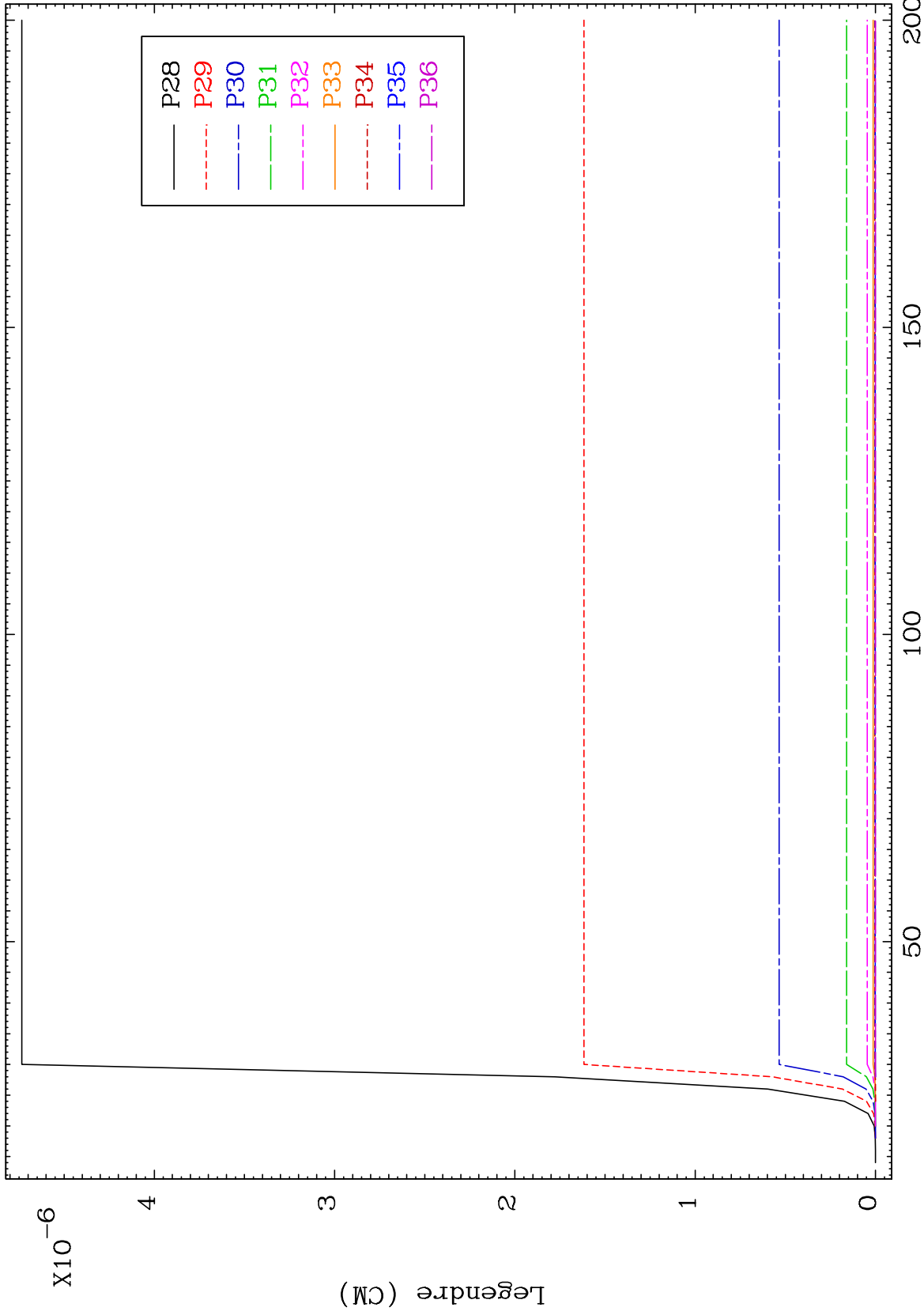
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139



118

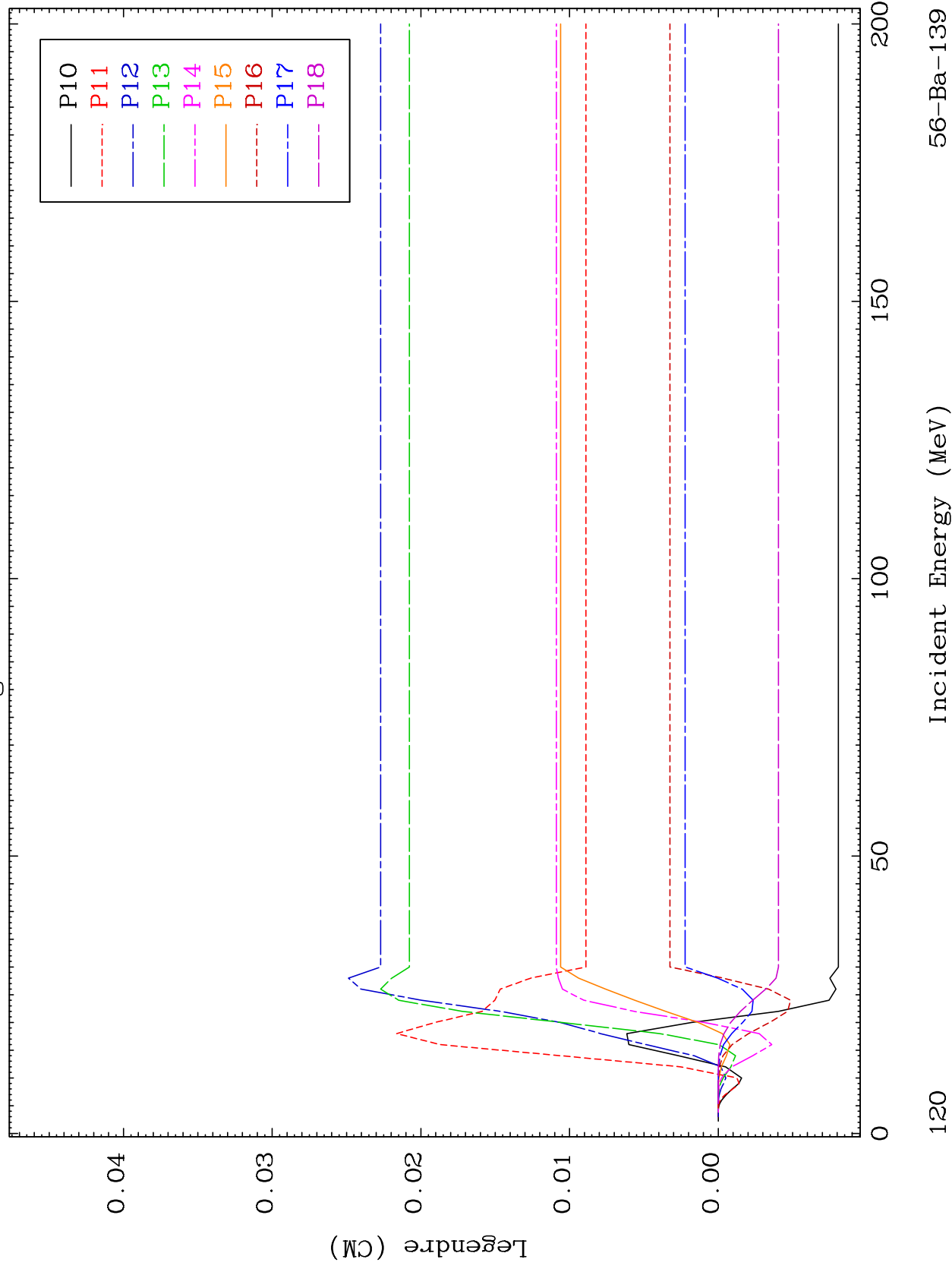
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

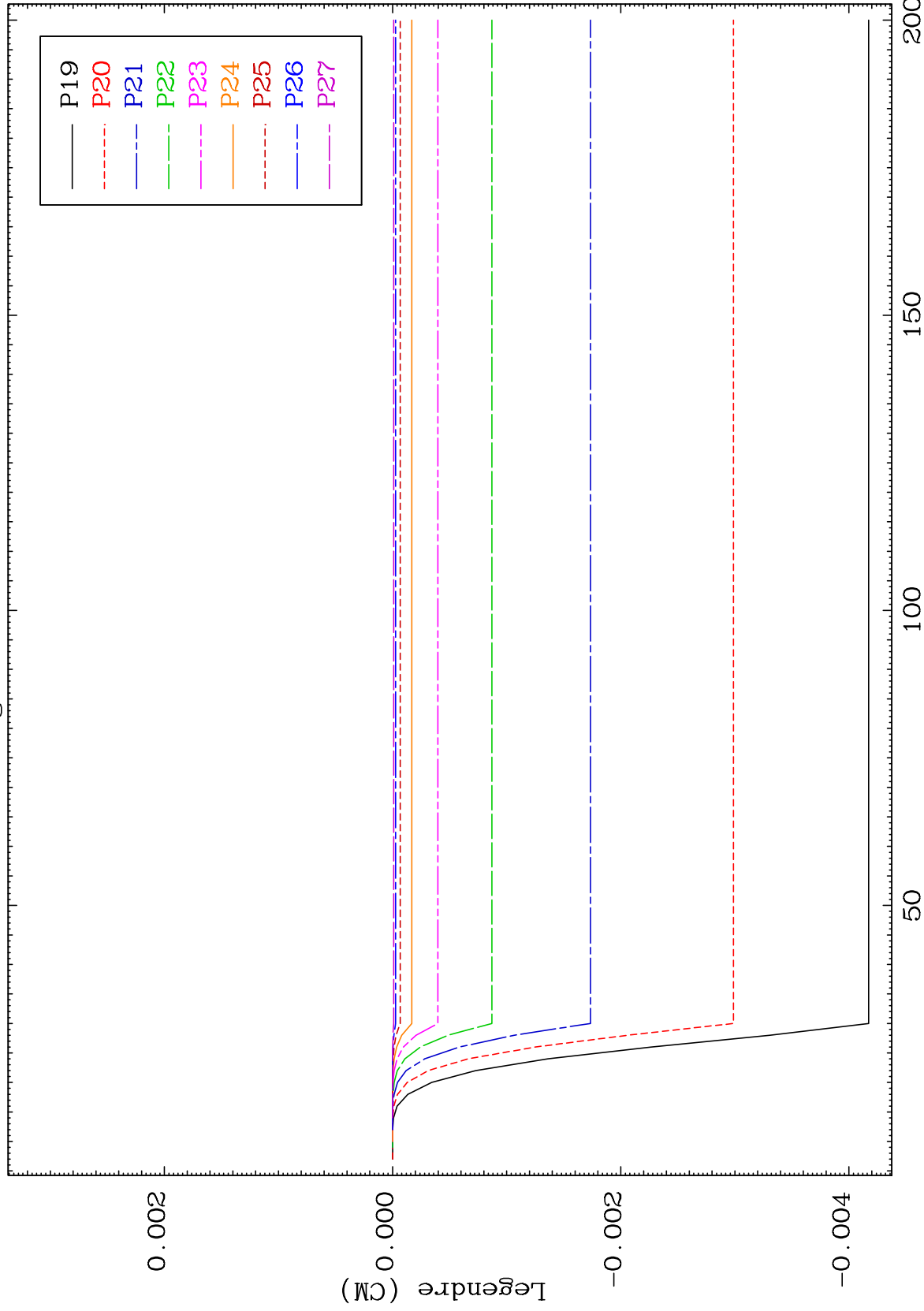
56-Ba-139



MAT 5652

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

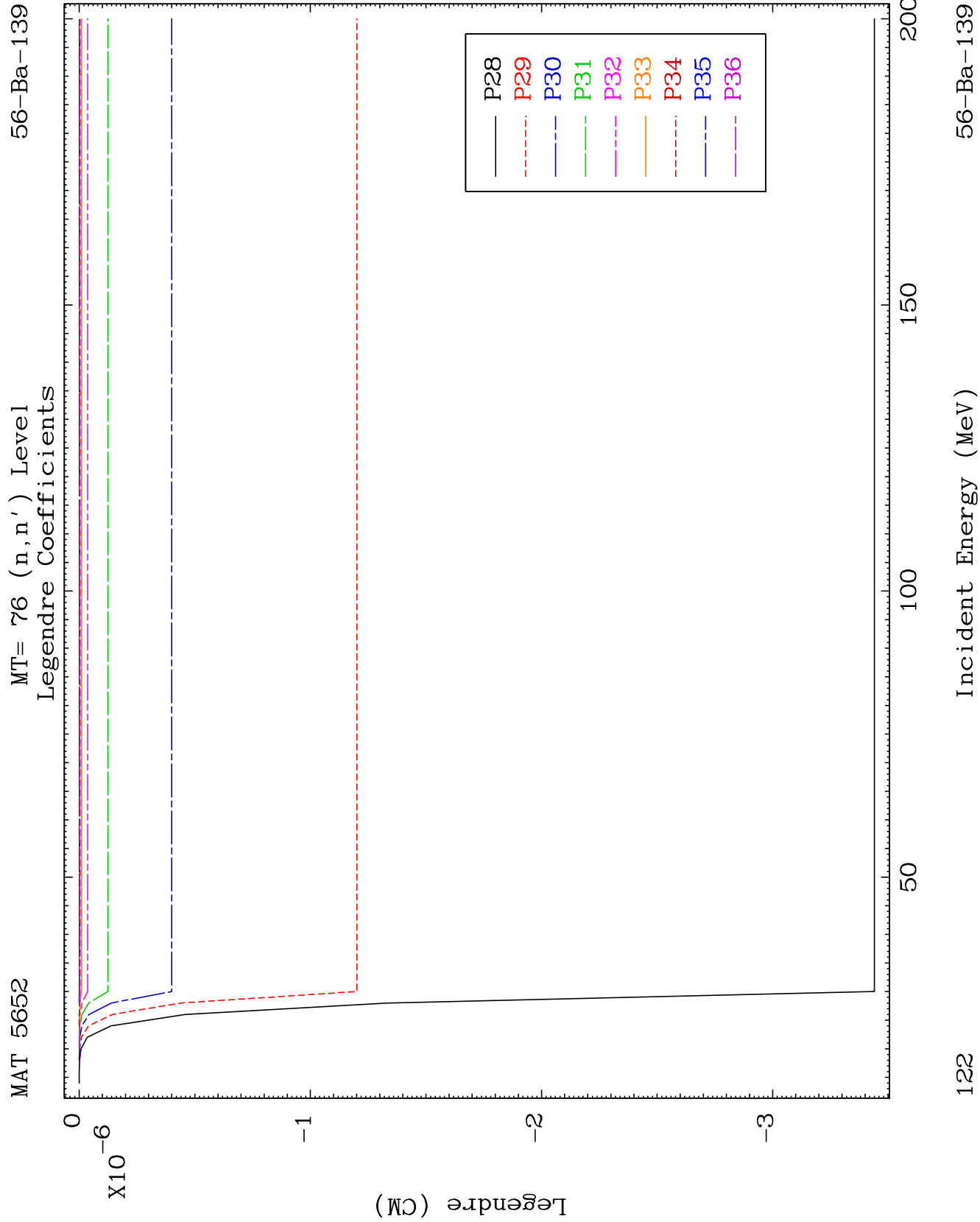
56-Ba-139



121

Incident Energy (MeV)

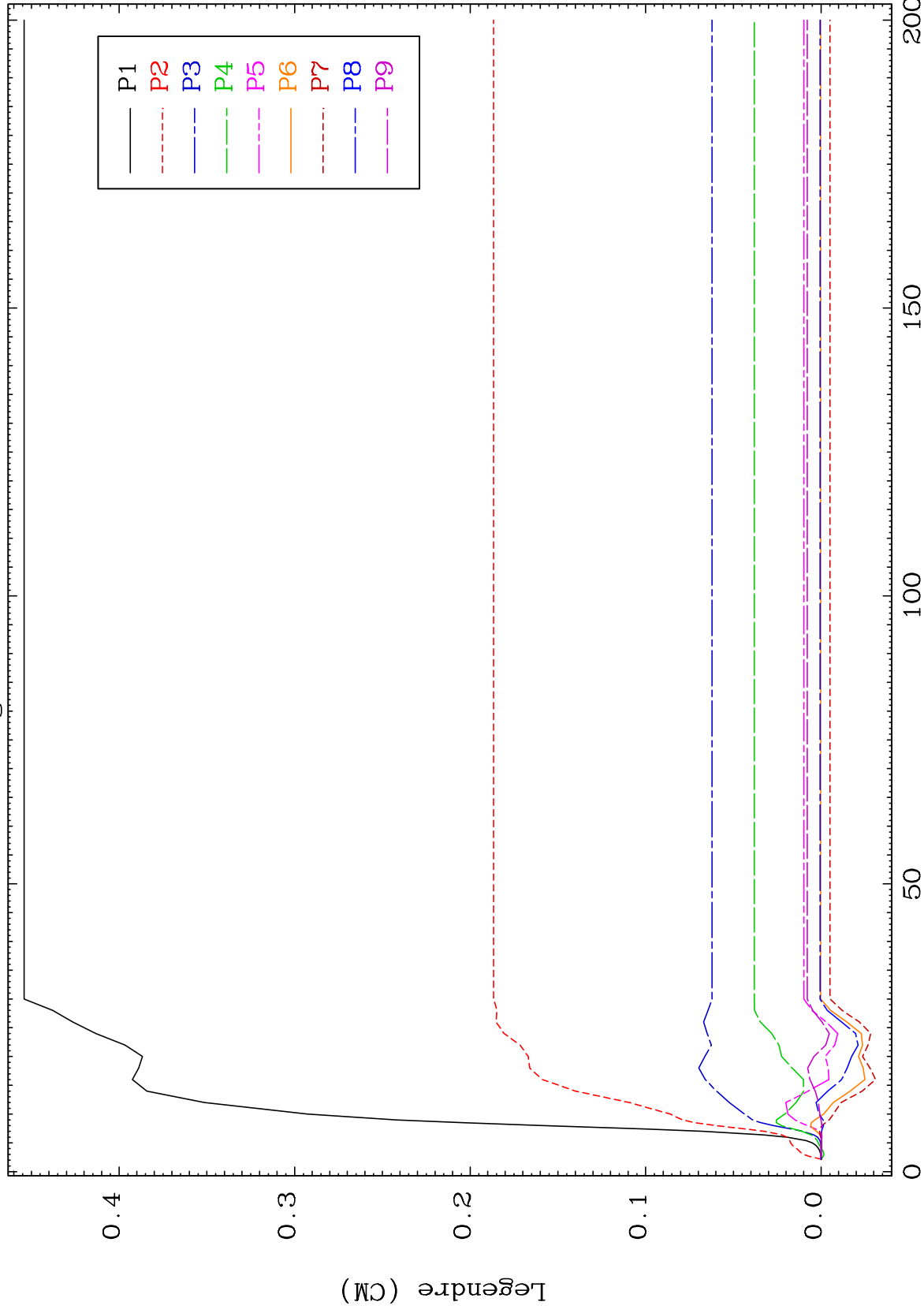
56-Ba-139



MAT 5652

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

56-Ba-139



123

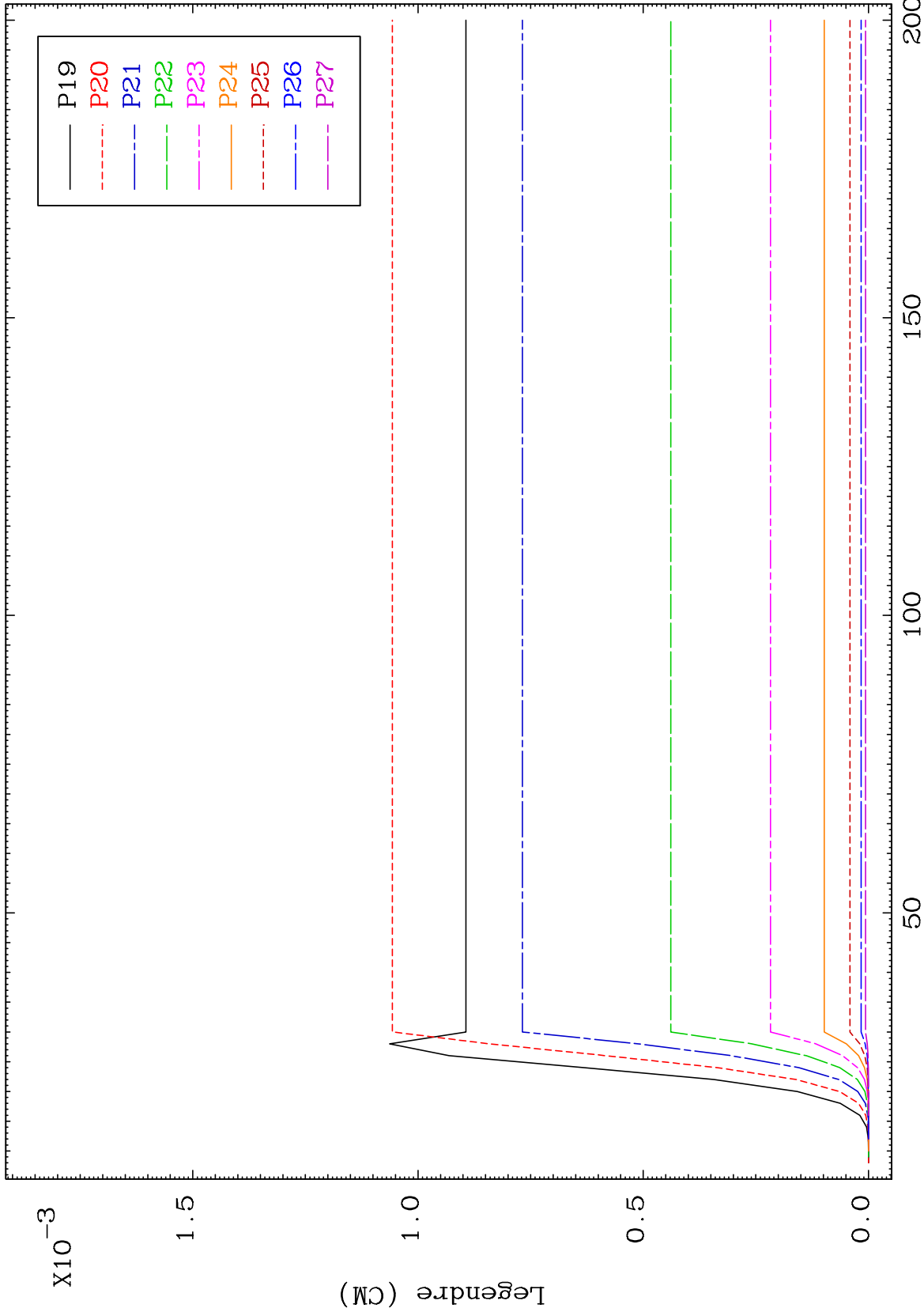
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139



125

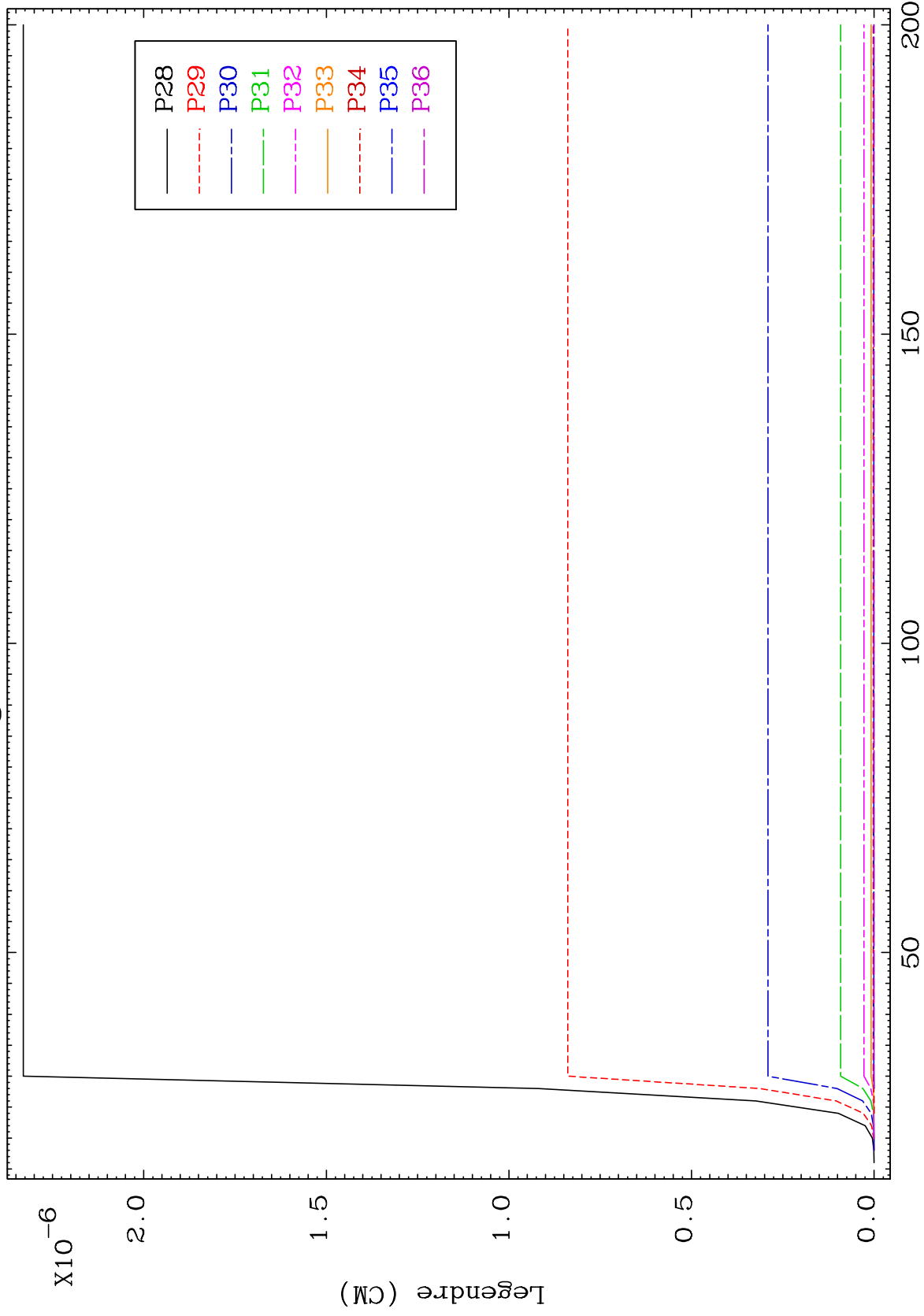
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139

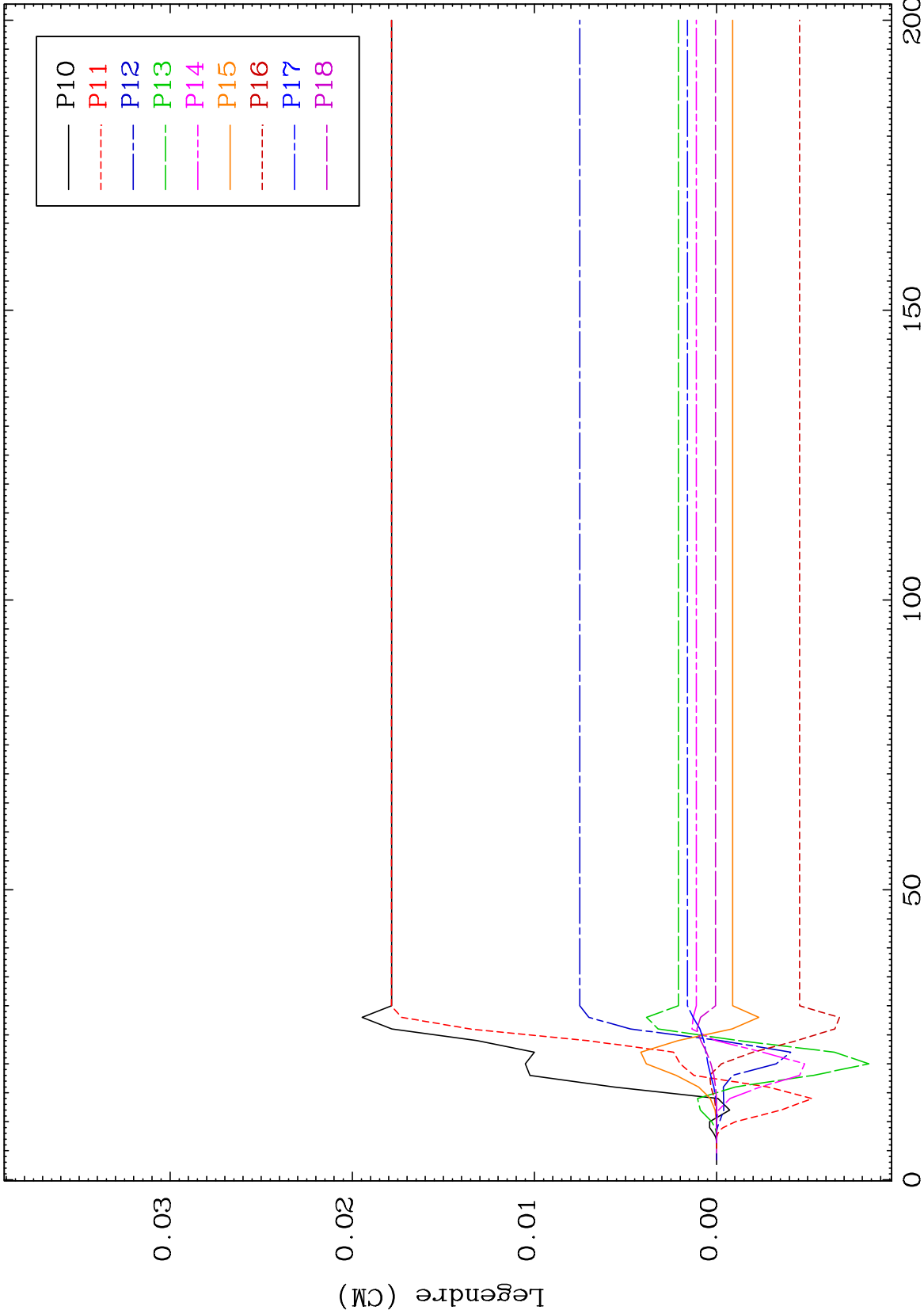


126

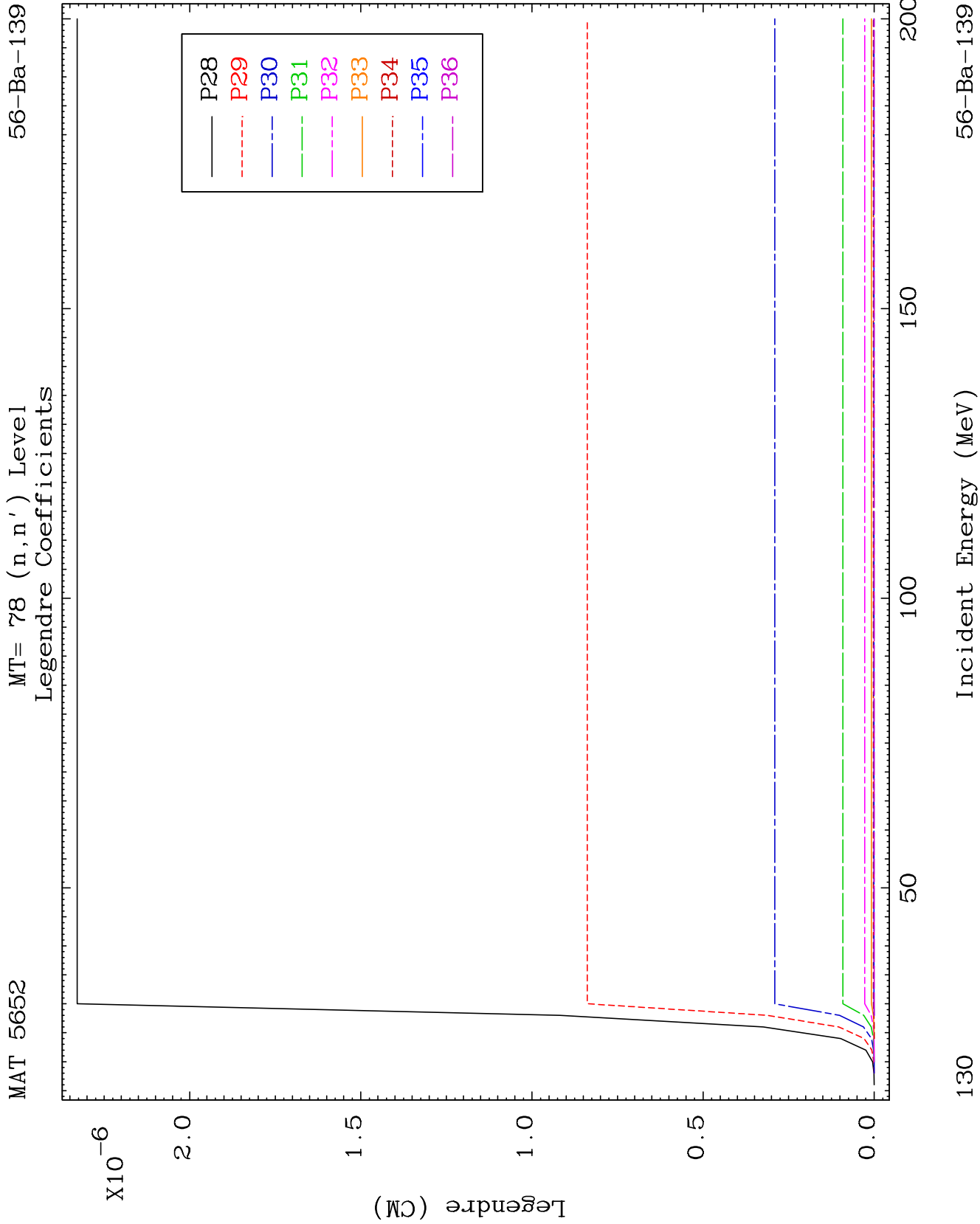
Incident Energy (MeV)

56-Ba-139

MAT 5652 MT= 78 (n,n') Level Legendre Coefficients 56-Ba-139



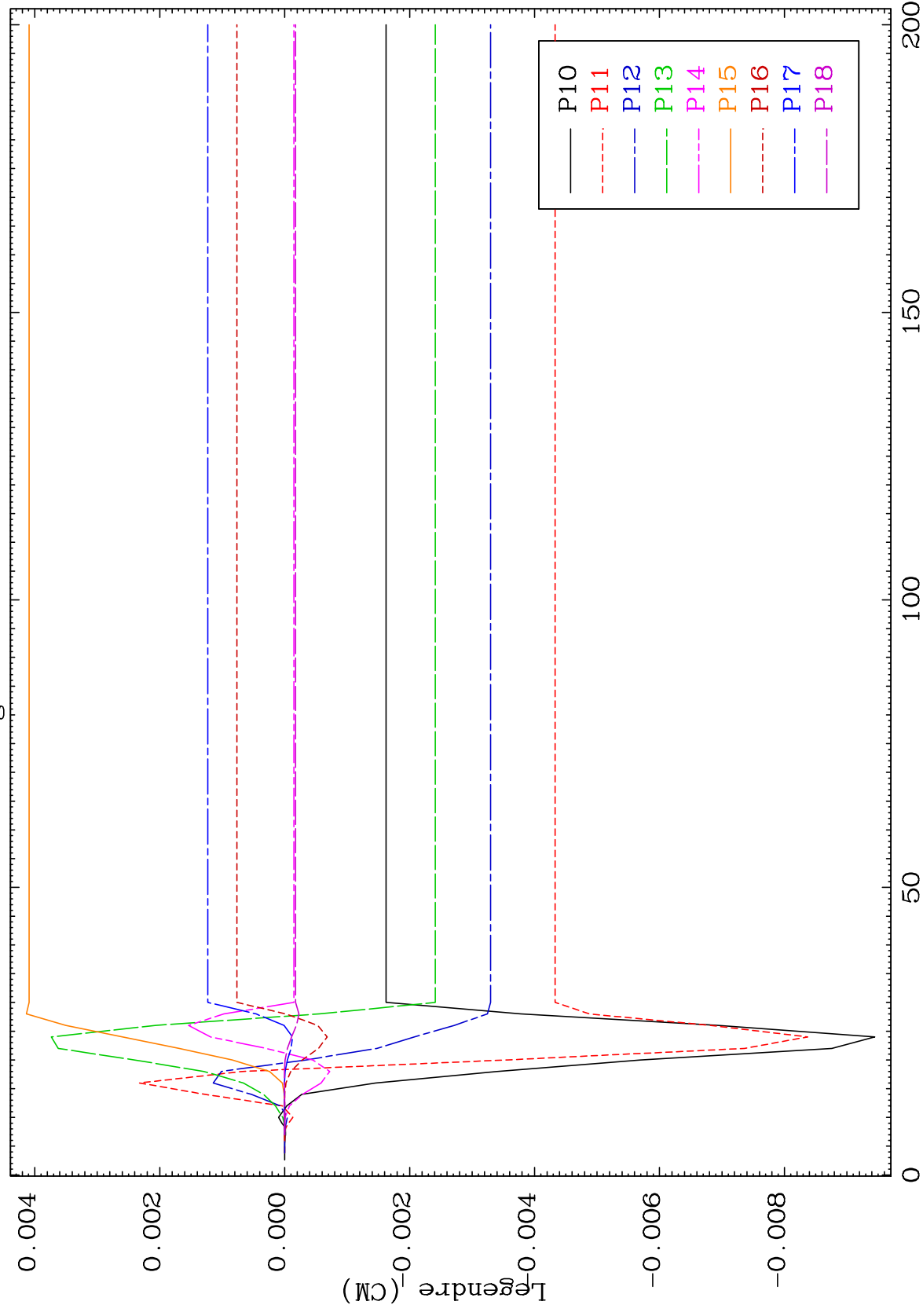
128 56-Ba-139



MAT 5652

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

56-Ba-139



132

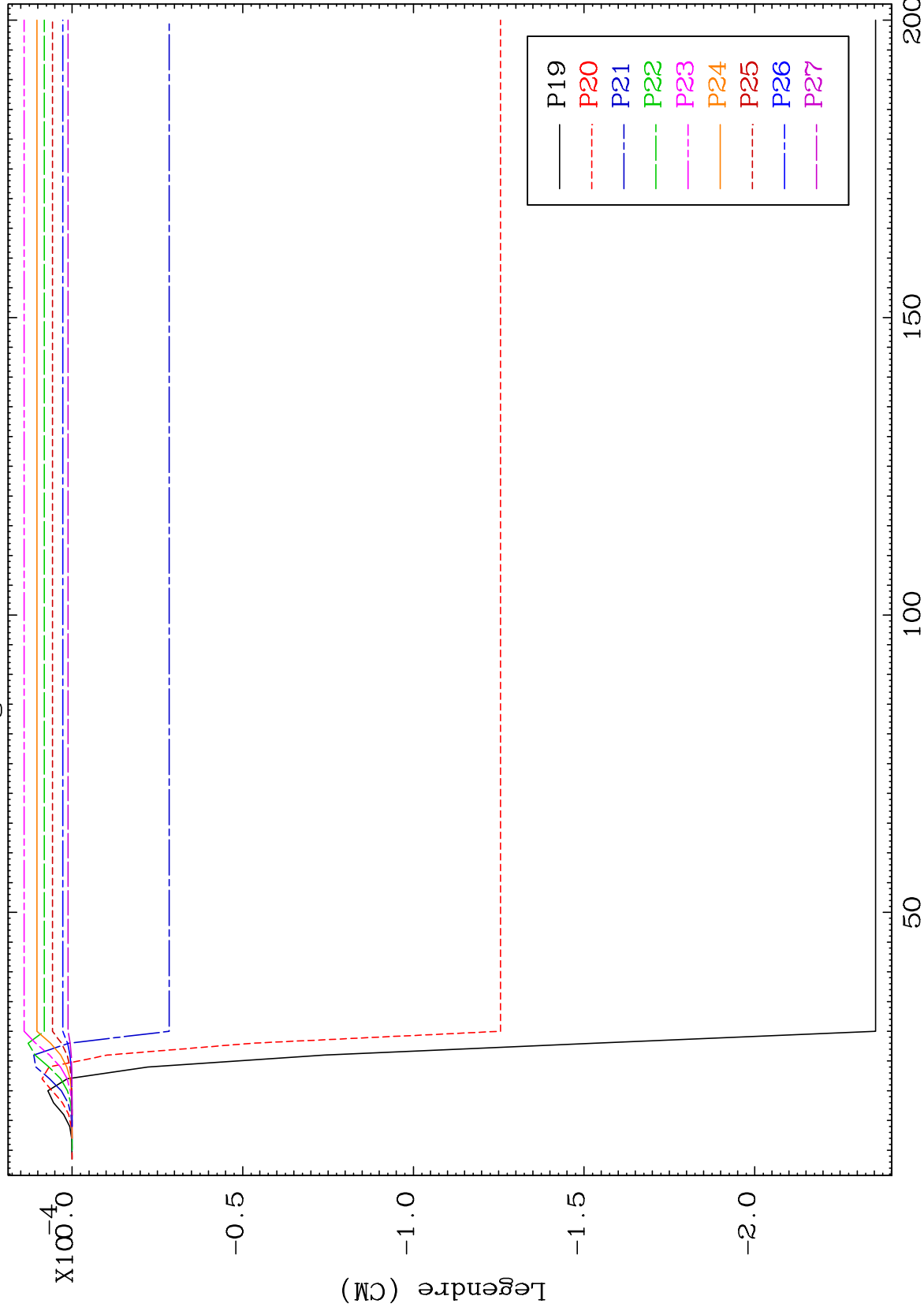
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

56-Ba-139



133

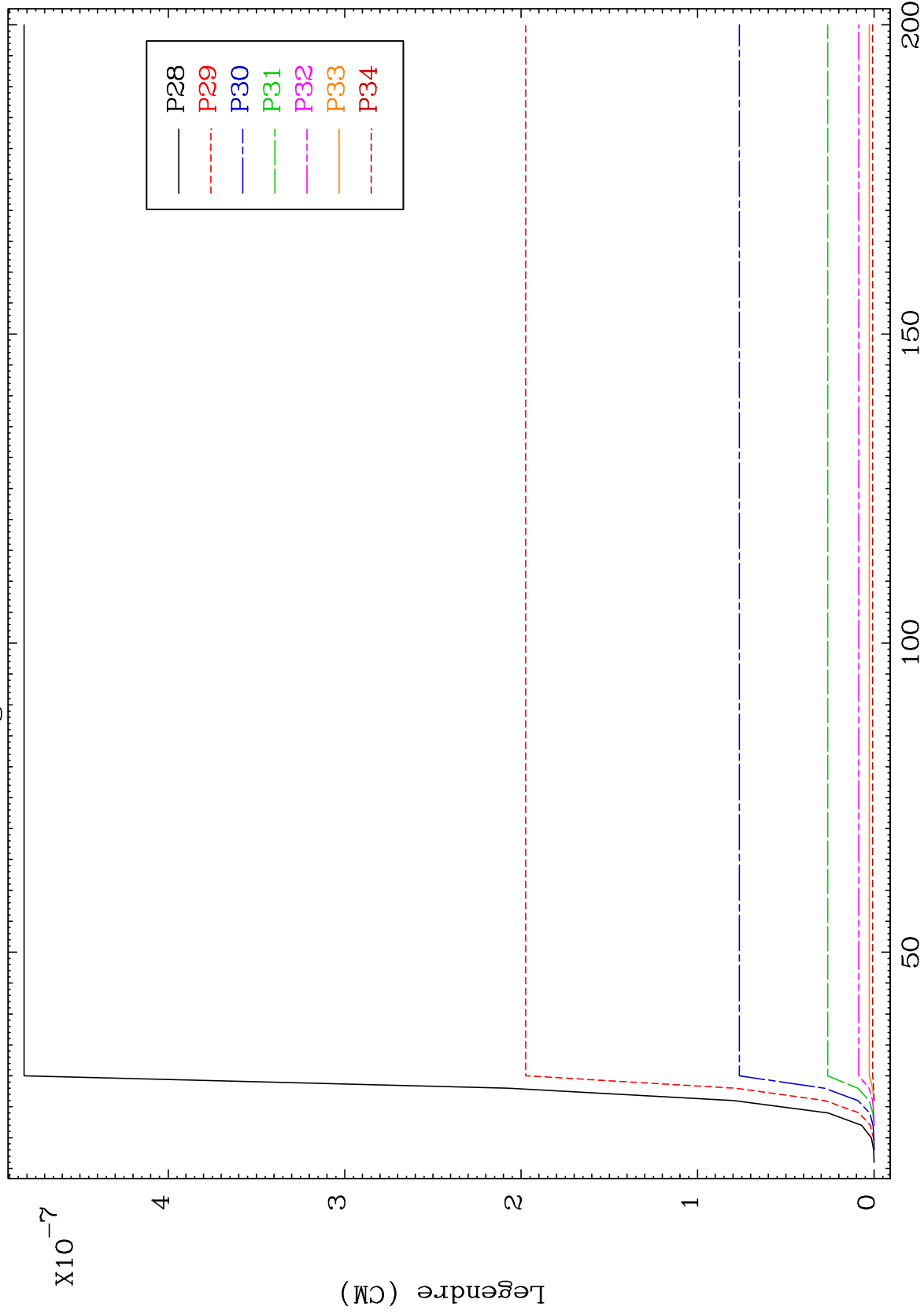
Incident Energy (MeV)

56-Ba-139

MAT 5652

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

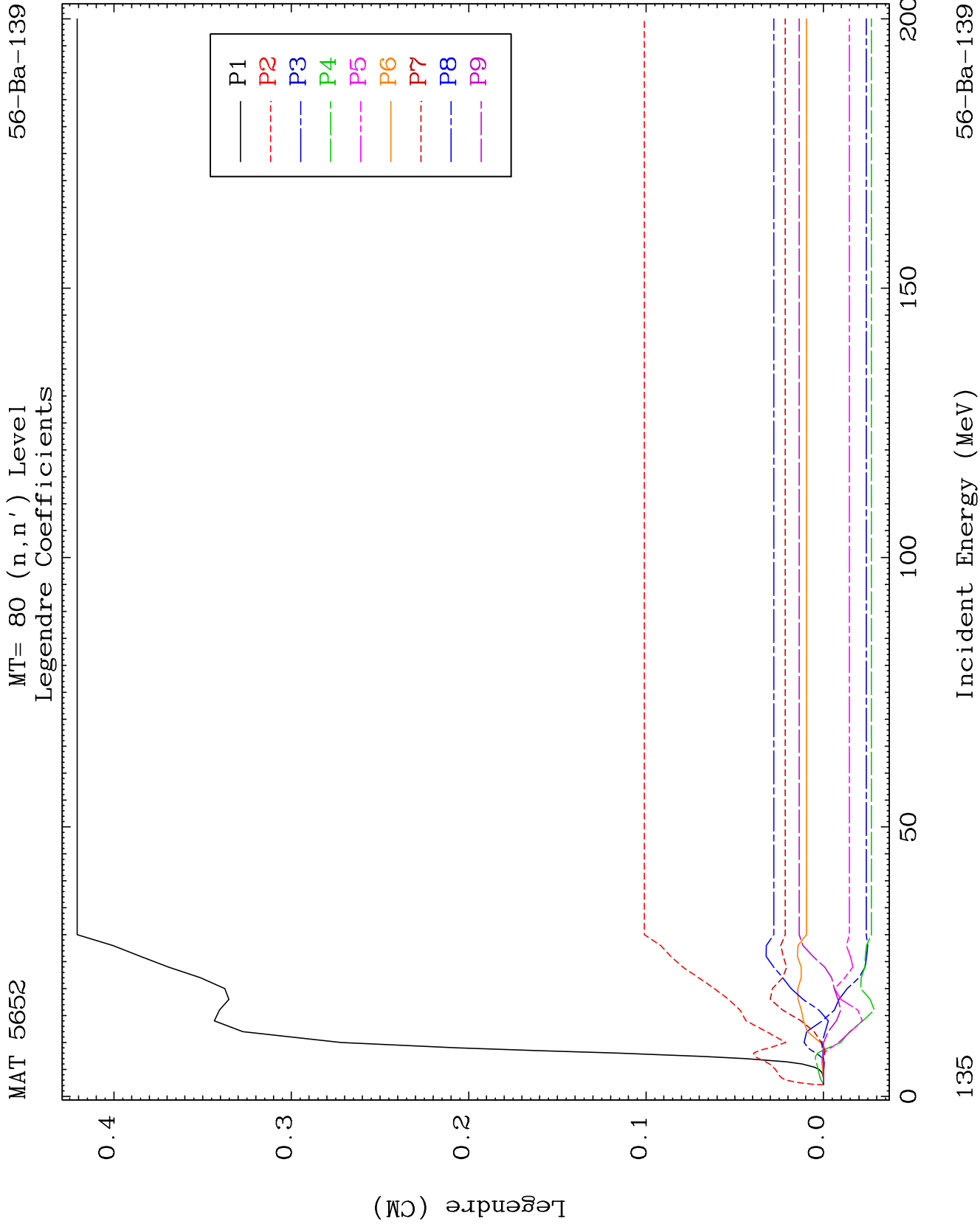
56-Ba-139



134

Incident Energy (MeV)

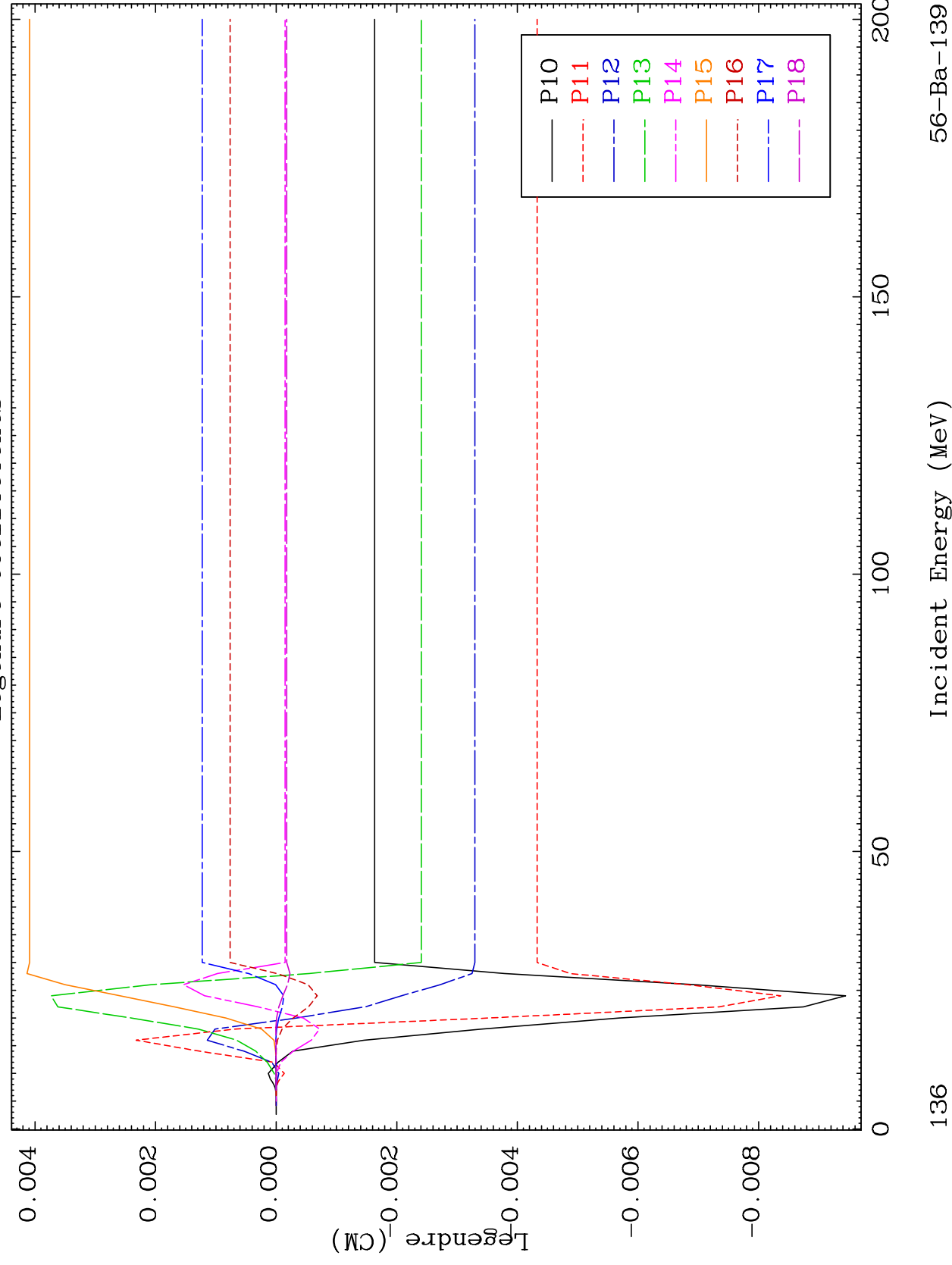
56-Ba-139

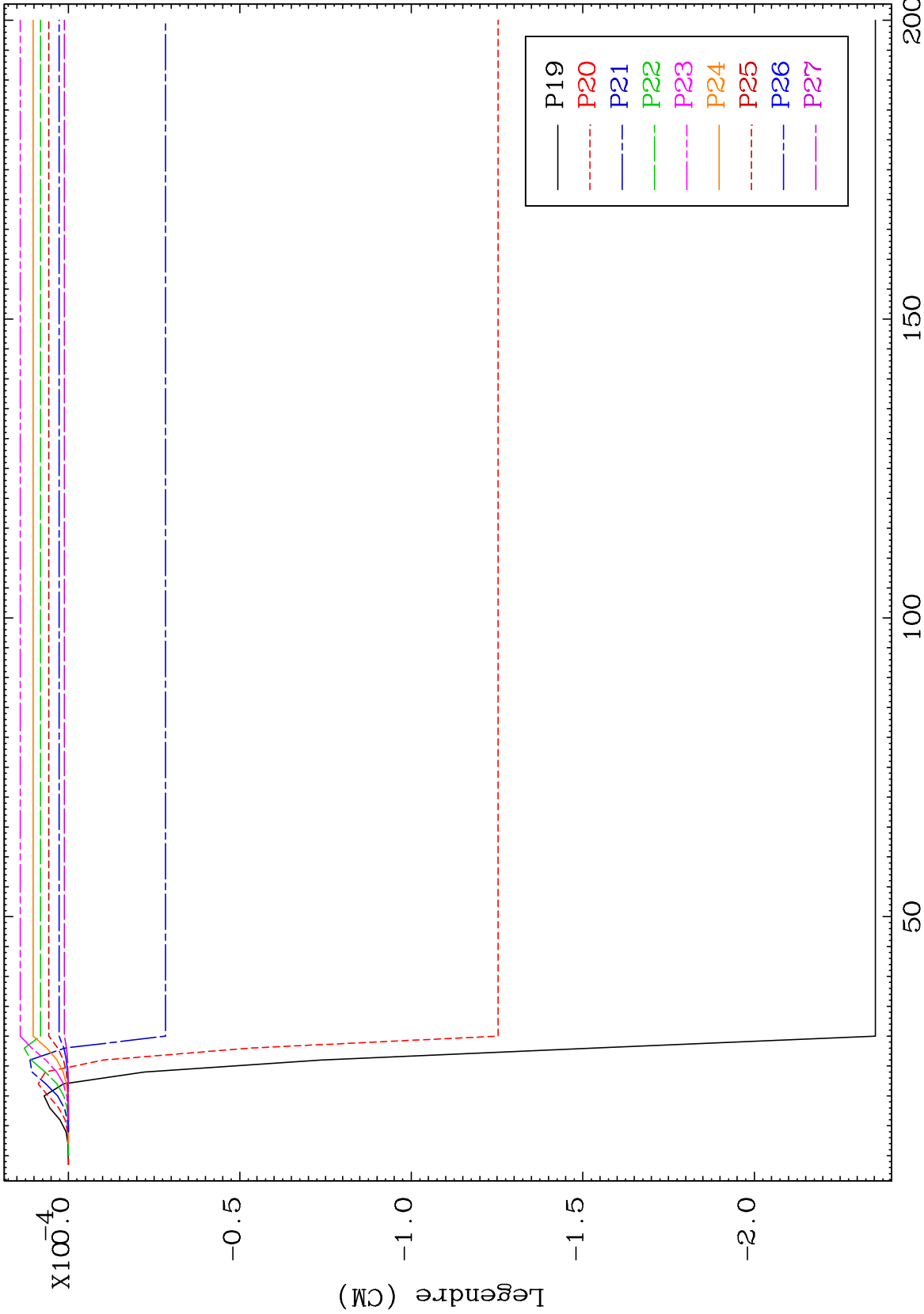


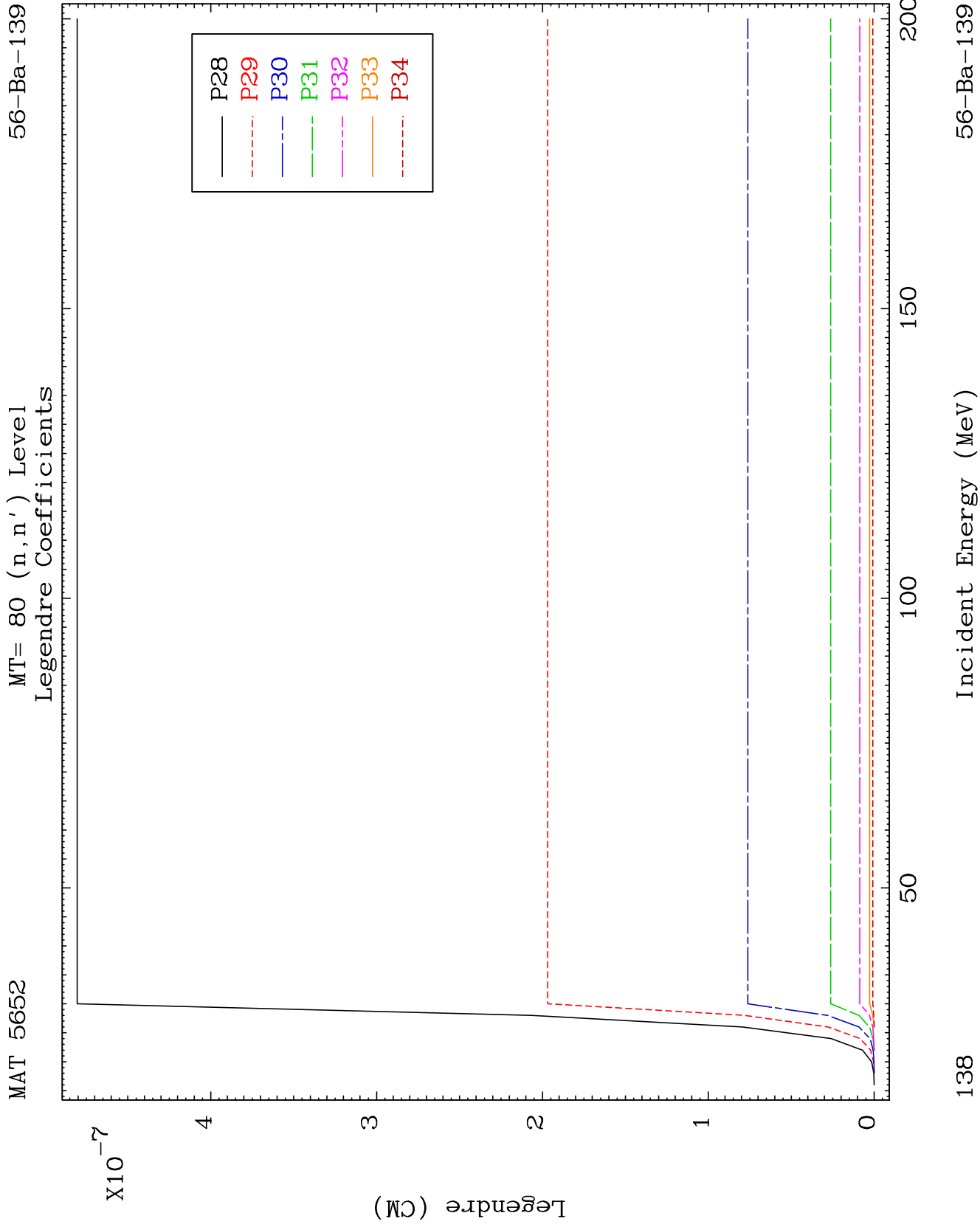
MAT 5652

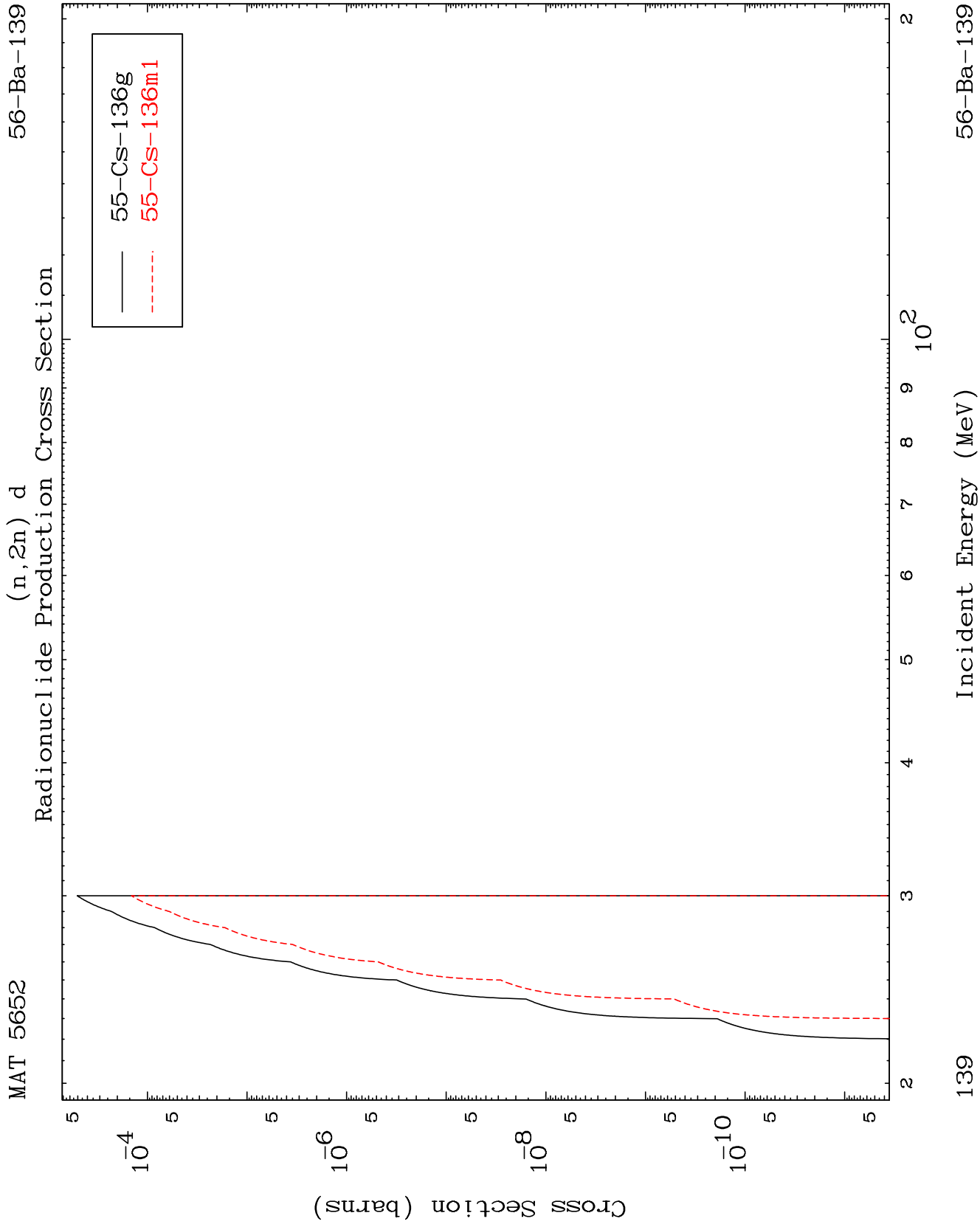
MT= 80 (n, n') Level
Legendre Coefficients

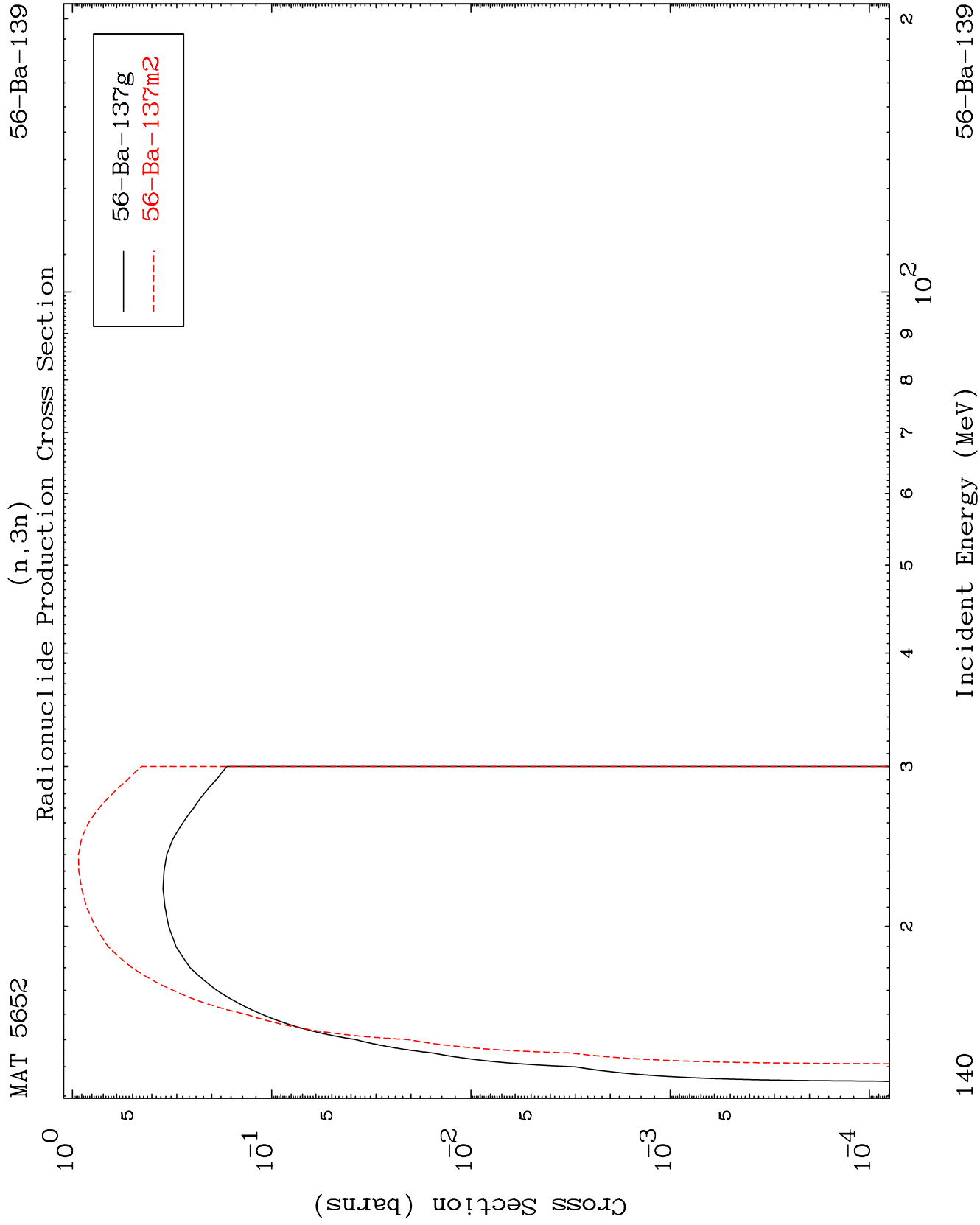
56-Ba-139

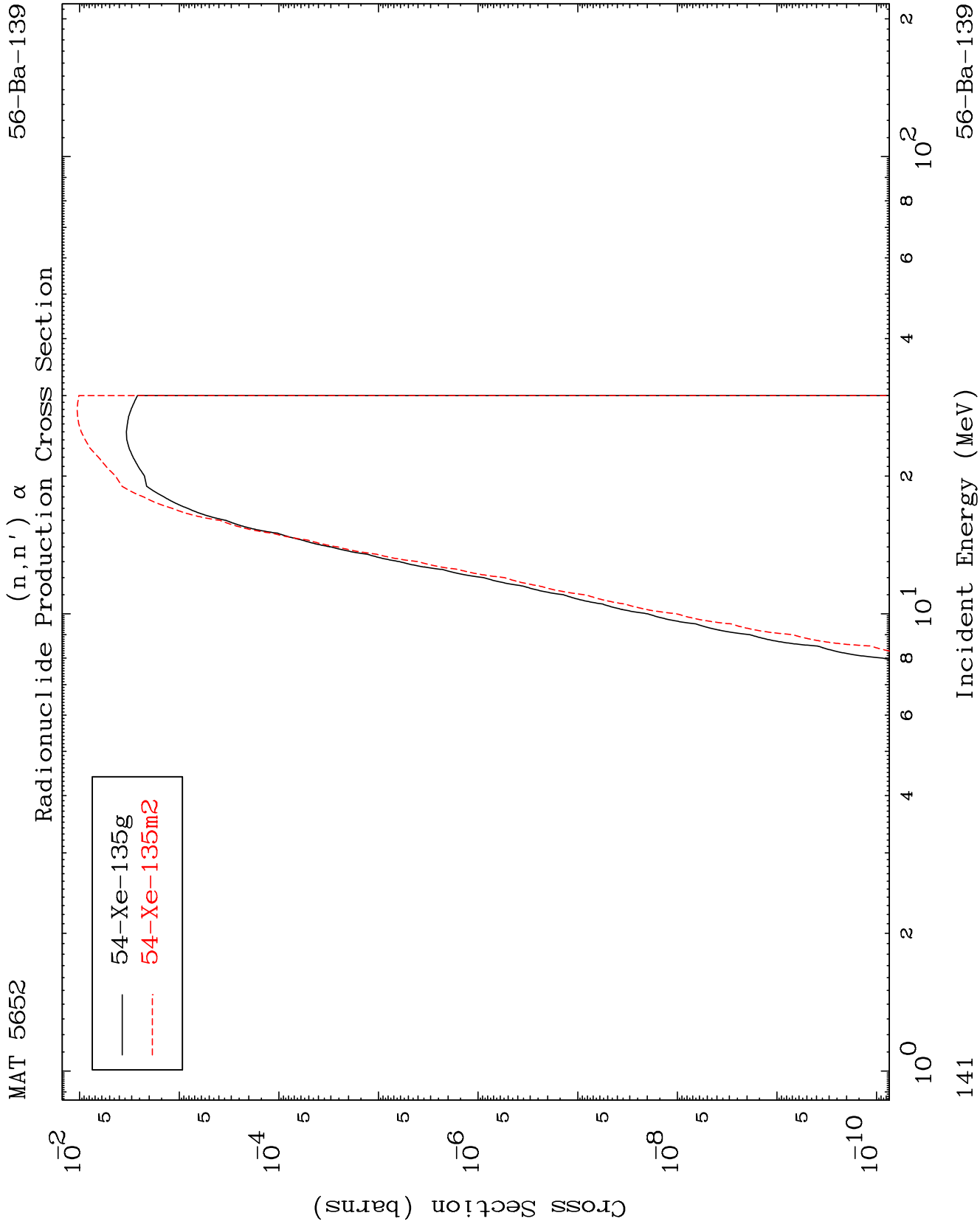










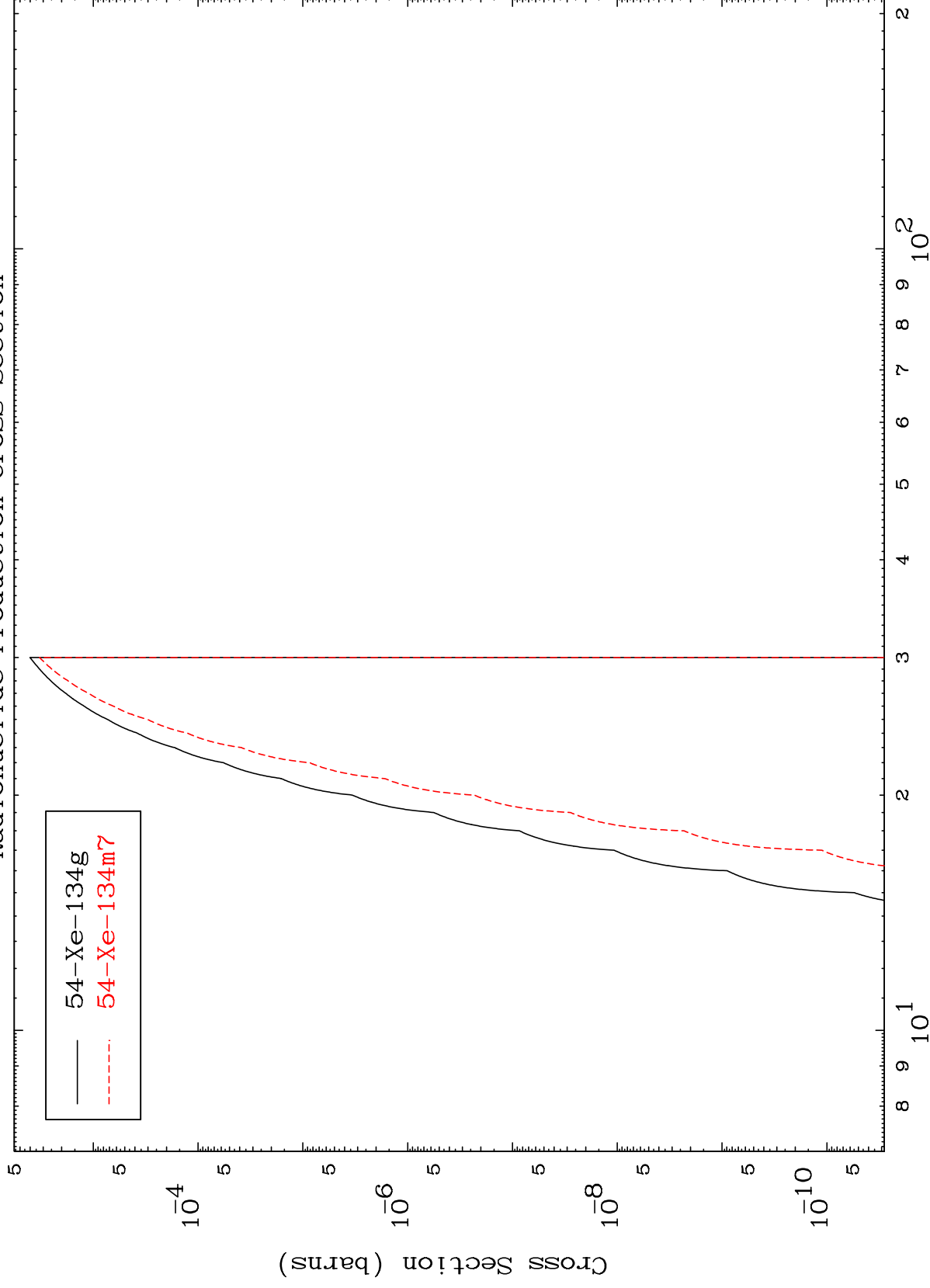


MAT 5652

$(n,2n) \alpha$

$^{56}\text{Ba-139}$

Radionuclide Production Cross Section



142

Incident Energy (MeV)

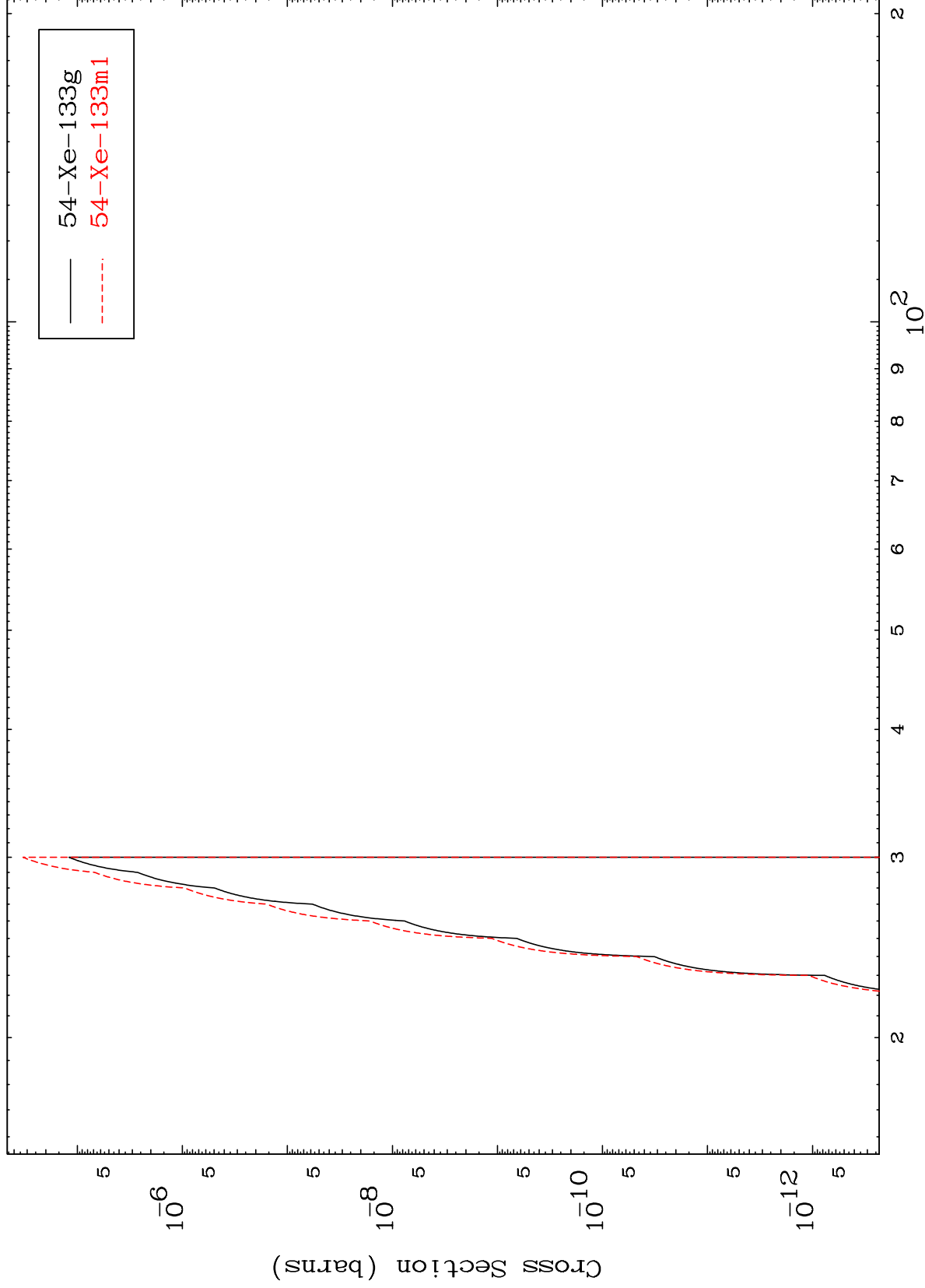
$^{56}\text{Ba-139}$

MAT 5652

$(n,3n) \alpha$

56-Ba-139

Radionuclide Production Cross Section



143

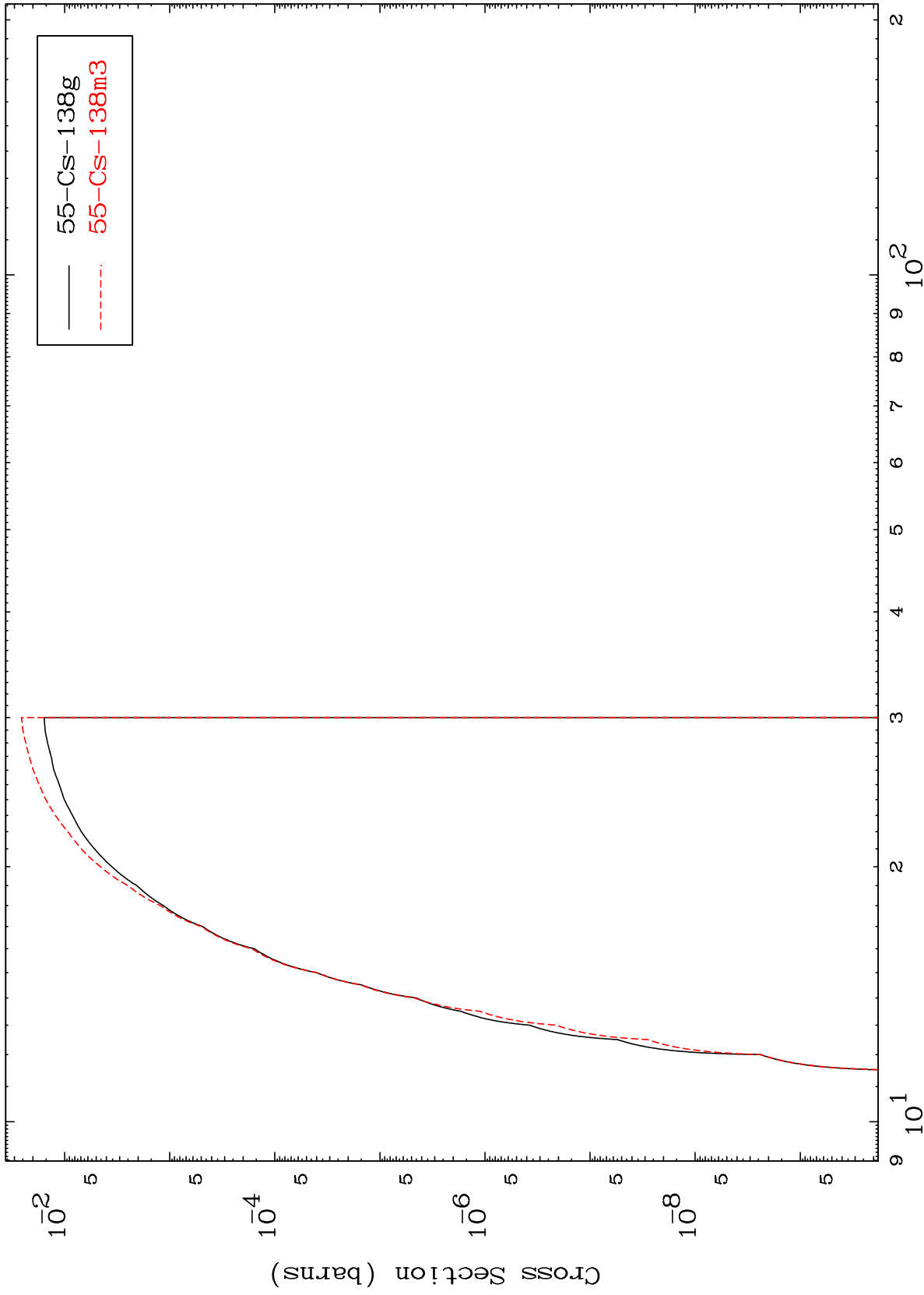
Incident Energy (MeV)

56-Ba-139

MAT 5652

56-Ba-139

(n,n') p
Radionuclide Production Cross Section



144

Incident Energy (MeV)

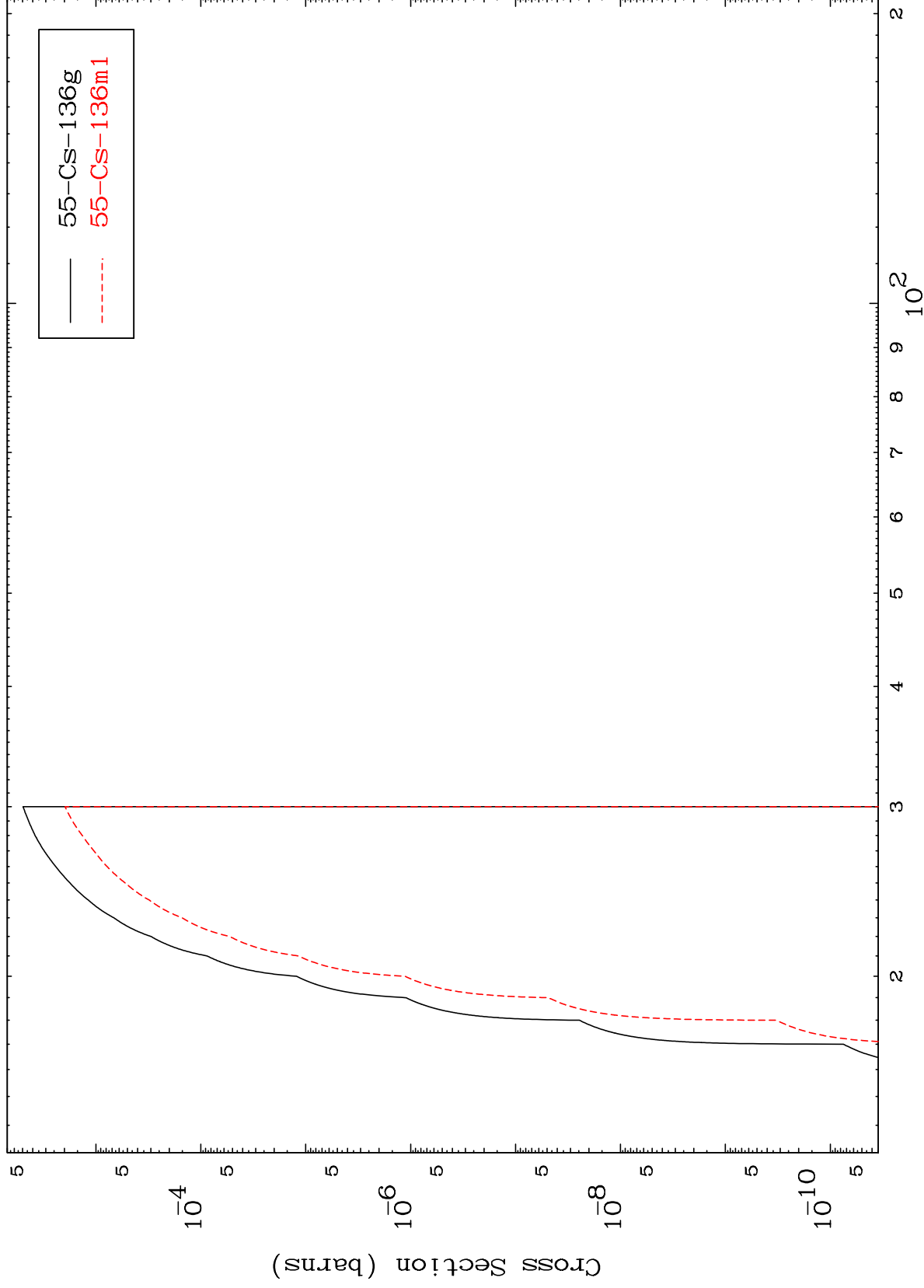
56-Ba-139

MAT 5652

(n,n') t

56-Ba-139

Radionuclide Production Cross Section



145

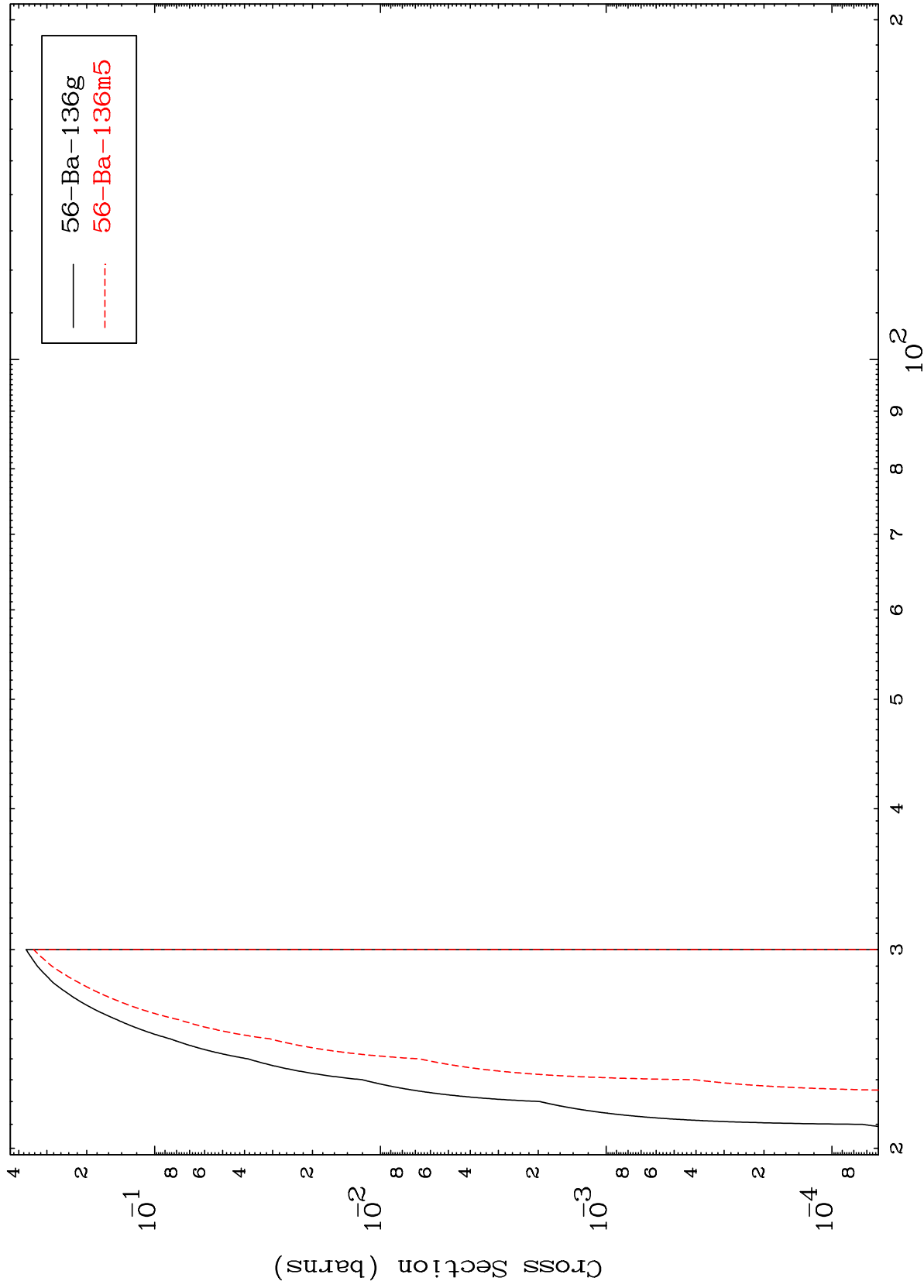
Incident Energy (MeV)

56-Ba-139

MAT 5652

56-Ba-139

(n,4n)
Radionuclide Production Cross Section



146

Incident Energy (MeV)

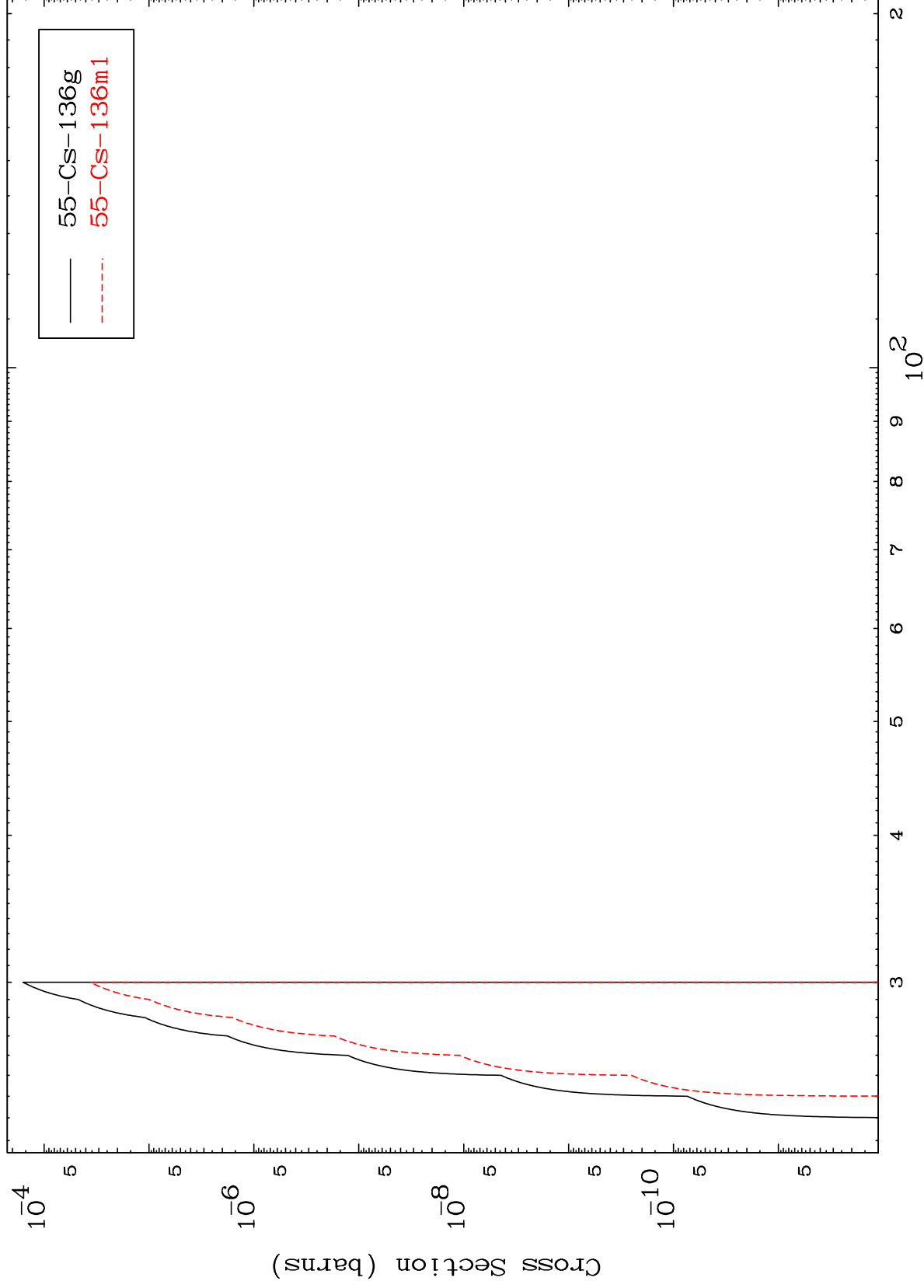
56-Ba-139

MAT 5652

(n,3n) p

56-Ba-139

Radionuclide Production Cross Section

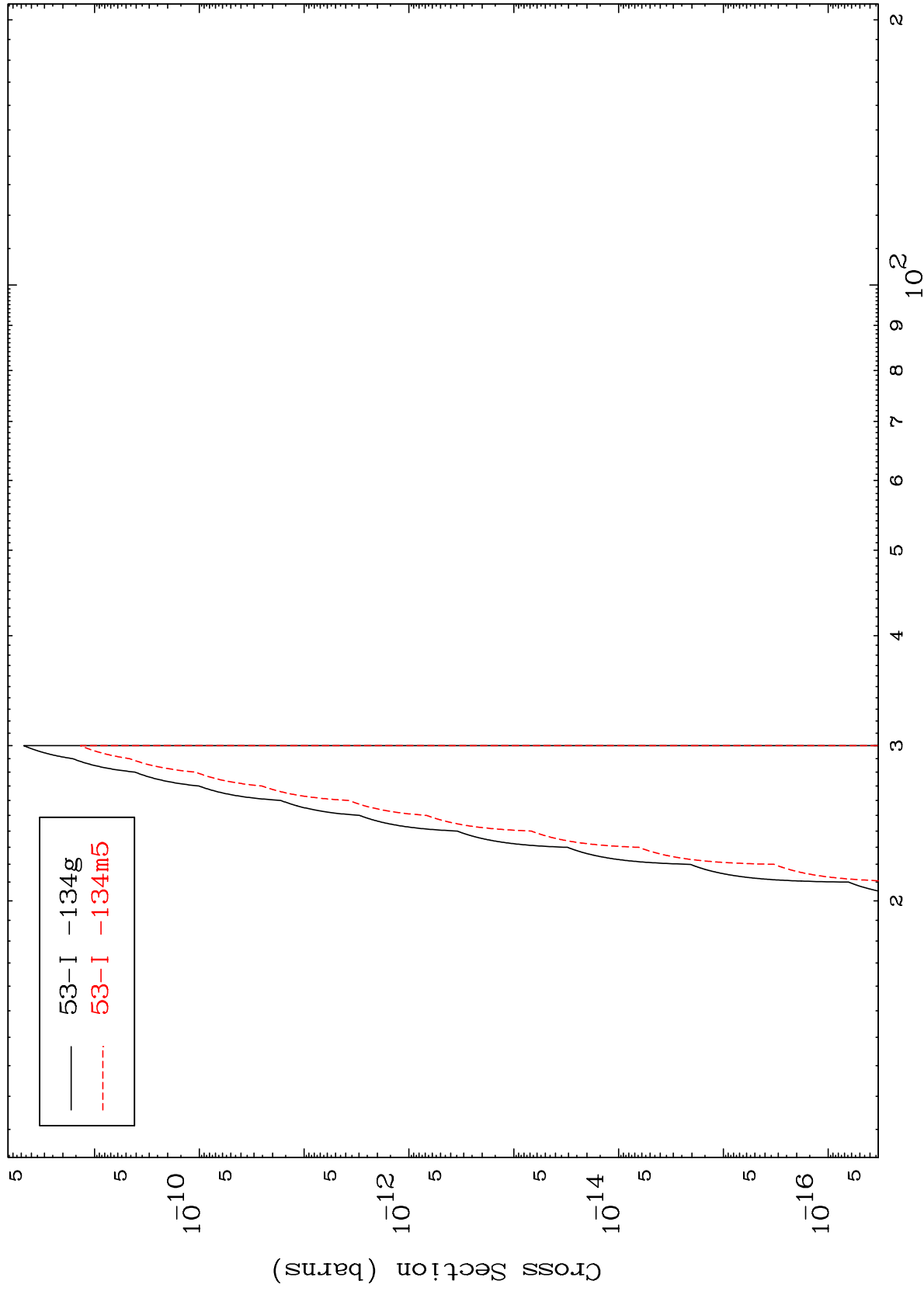


147

Incident Energy (MeV)

56-Ba-139

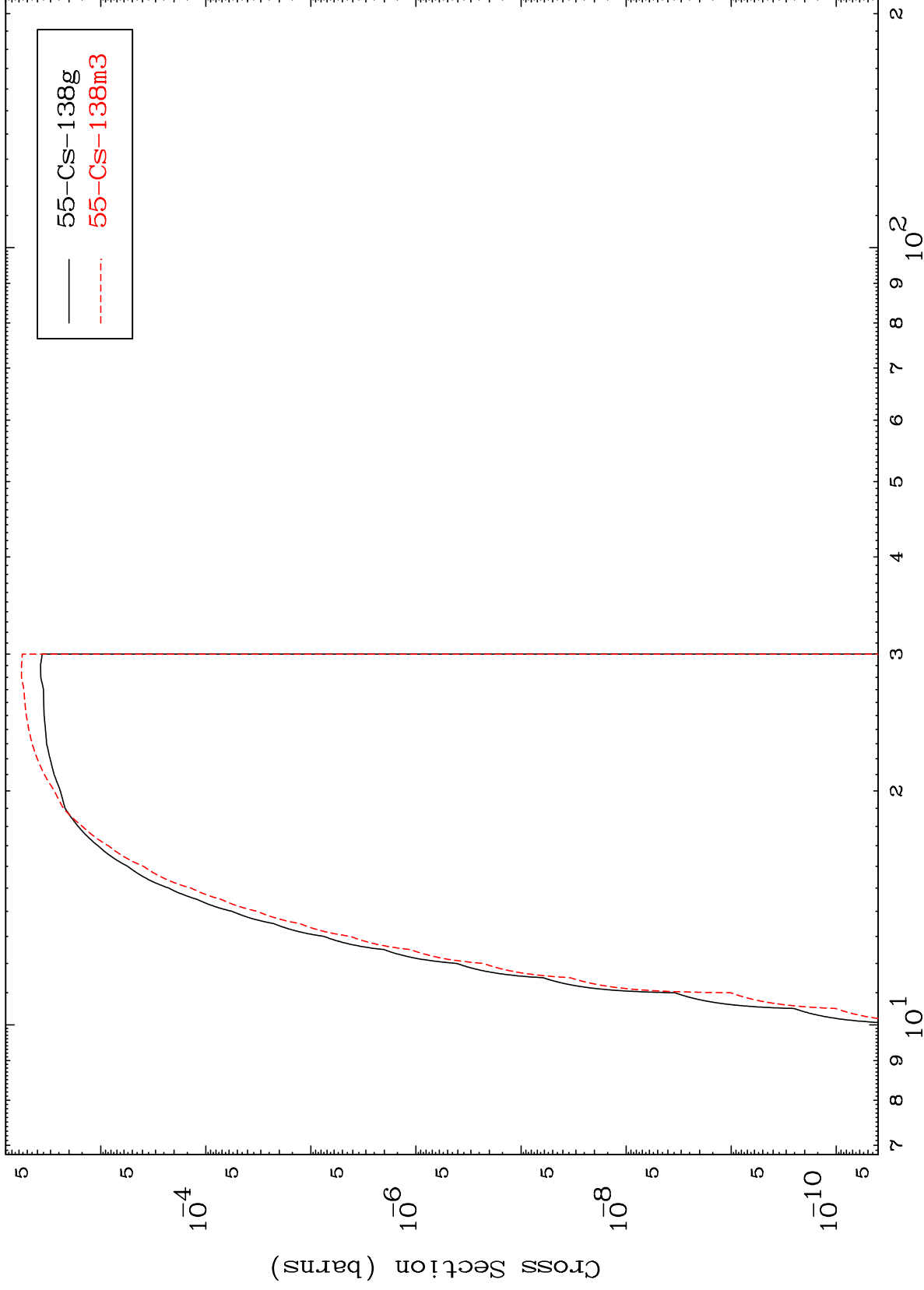
(n,n') p α
Radionuclide Production Cross Section



MAT 5652

56-Ba-139

(n,d)
Radionuclide Production Cross Section



149

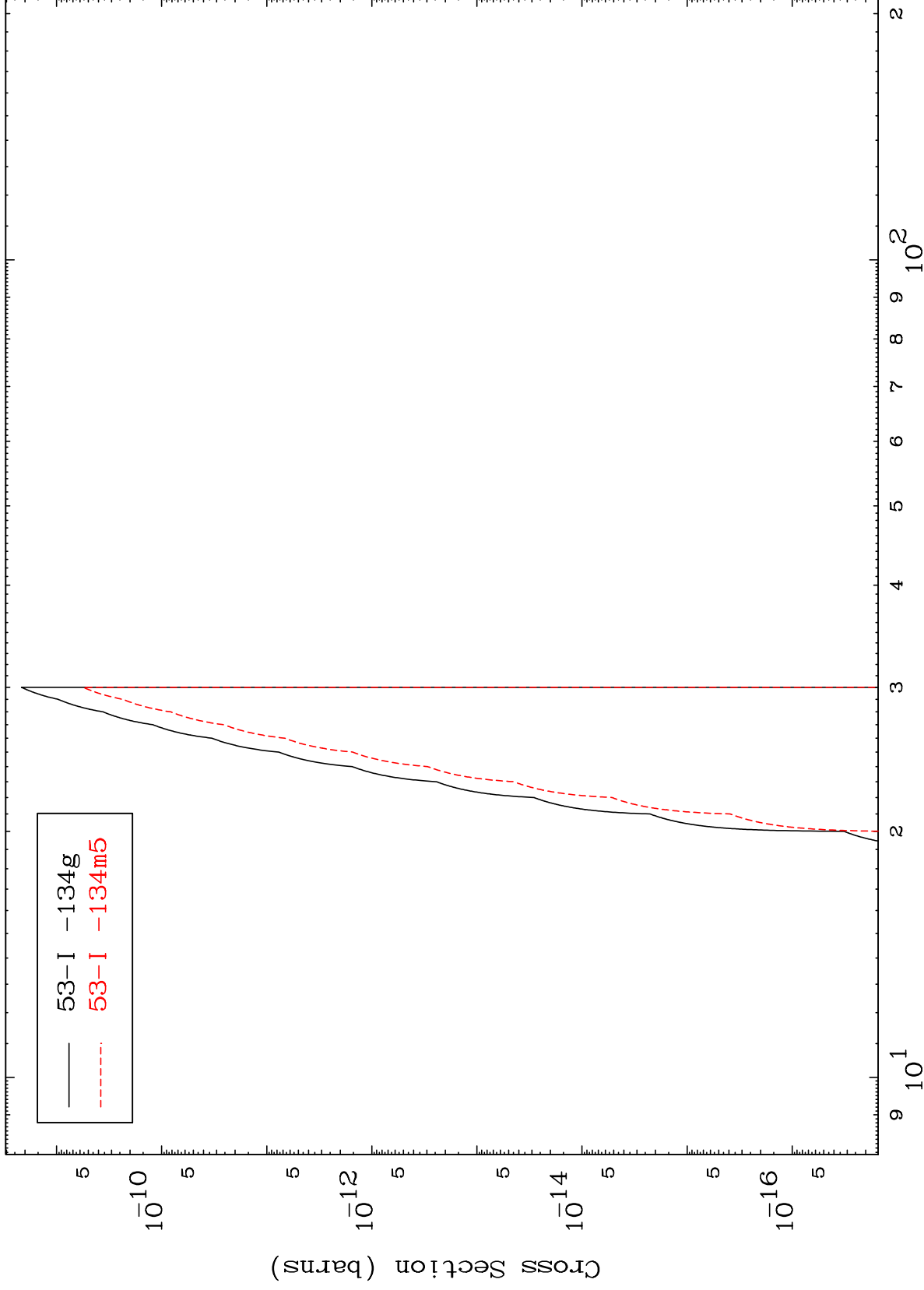
Incident Energy (MeV)

56-Ba-139

MAT 5652

56-Ba-139

(n,d) α
Radionuclide Production Cross Section



150

Incident Energy (MeV)

56-Ba-139