

Program EVALPLOT
(Version 2021-1)

by

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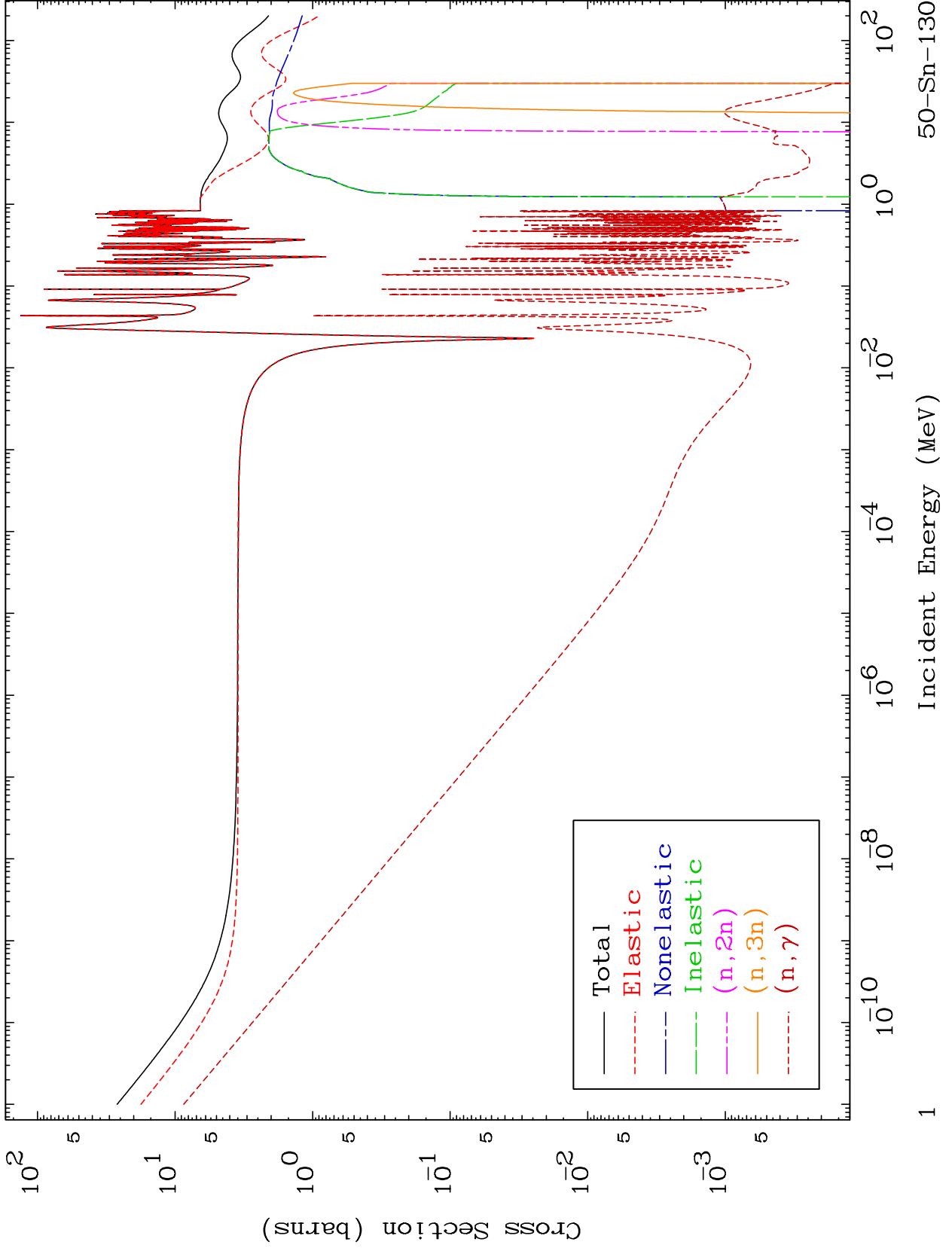
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5079

Neutron Major
293 Kelvin Cross Sections

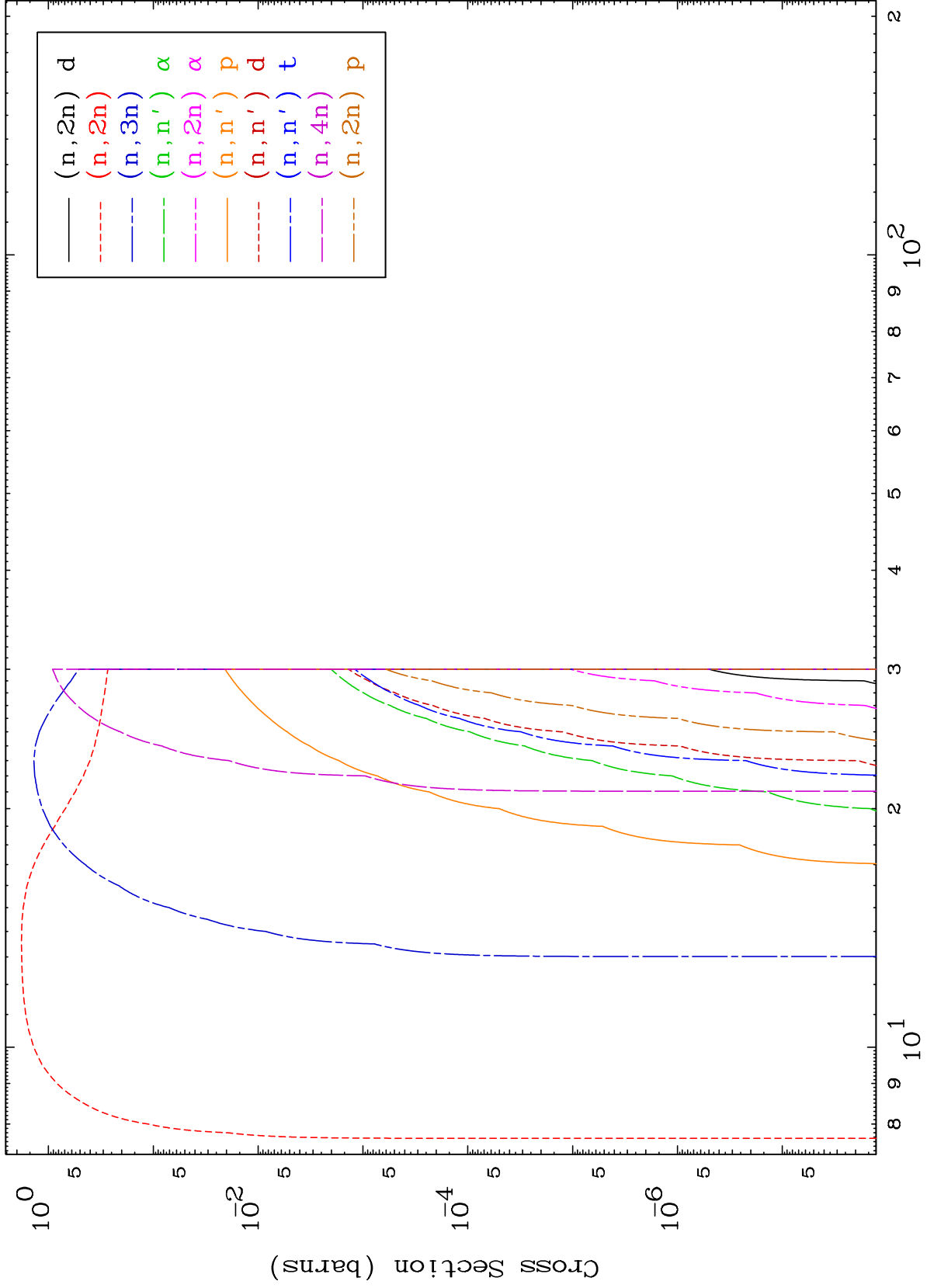
50-Sn-130



MAT 5079

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-130



50-Sn-130

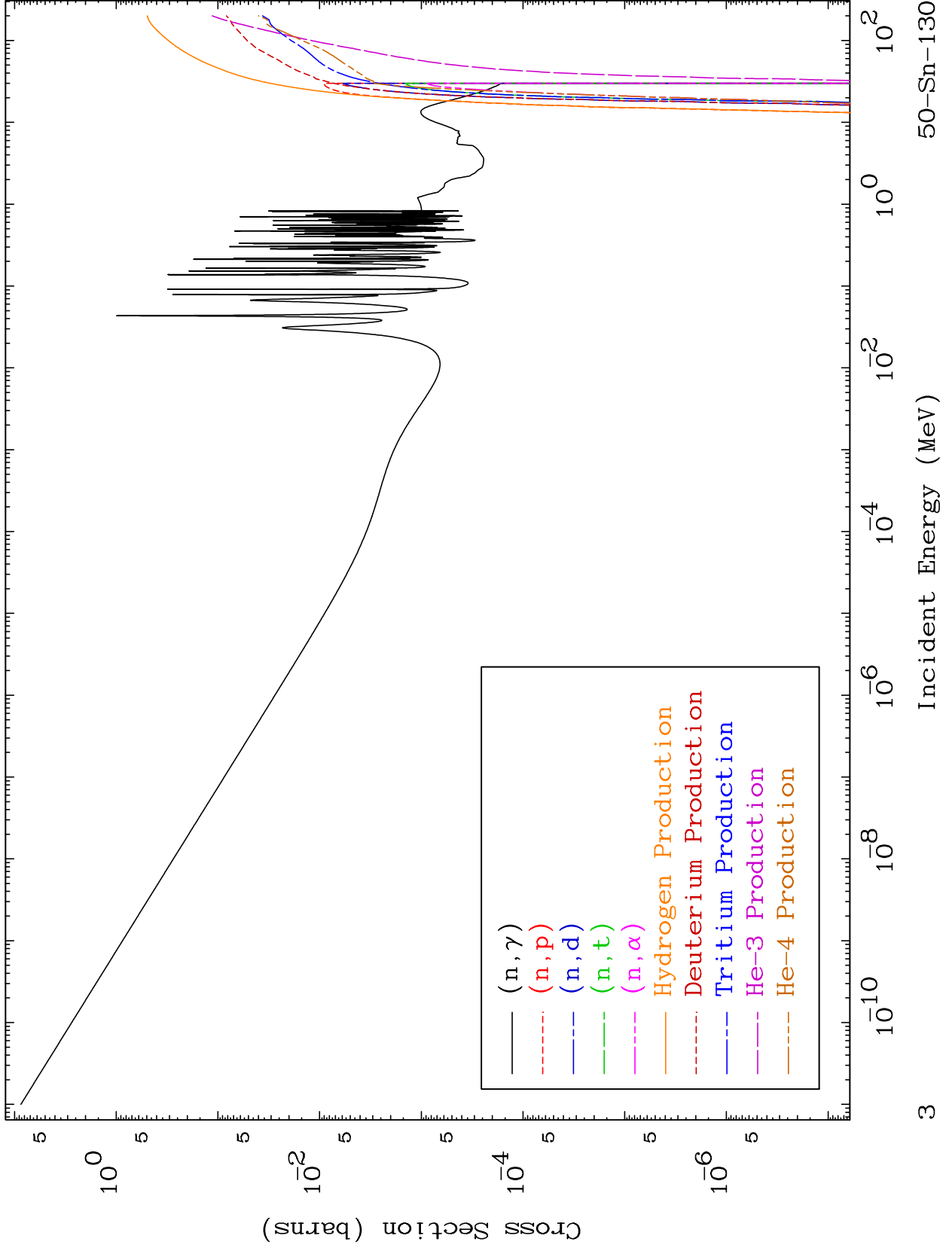
Incident Energy (MeV)

2

MAT 5079

Neutron Absorption
293 Kelvin Cross Sections

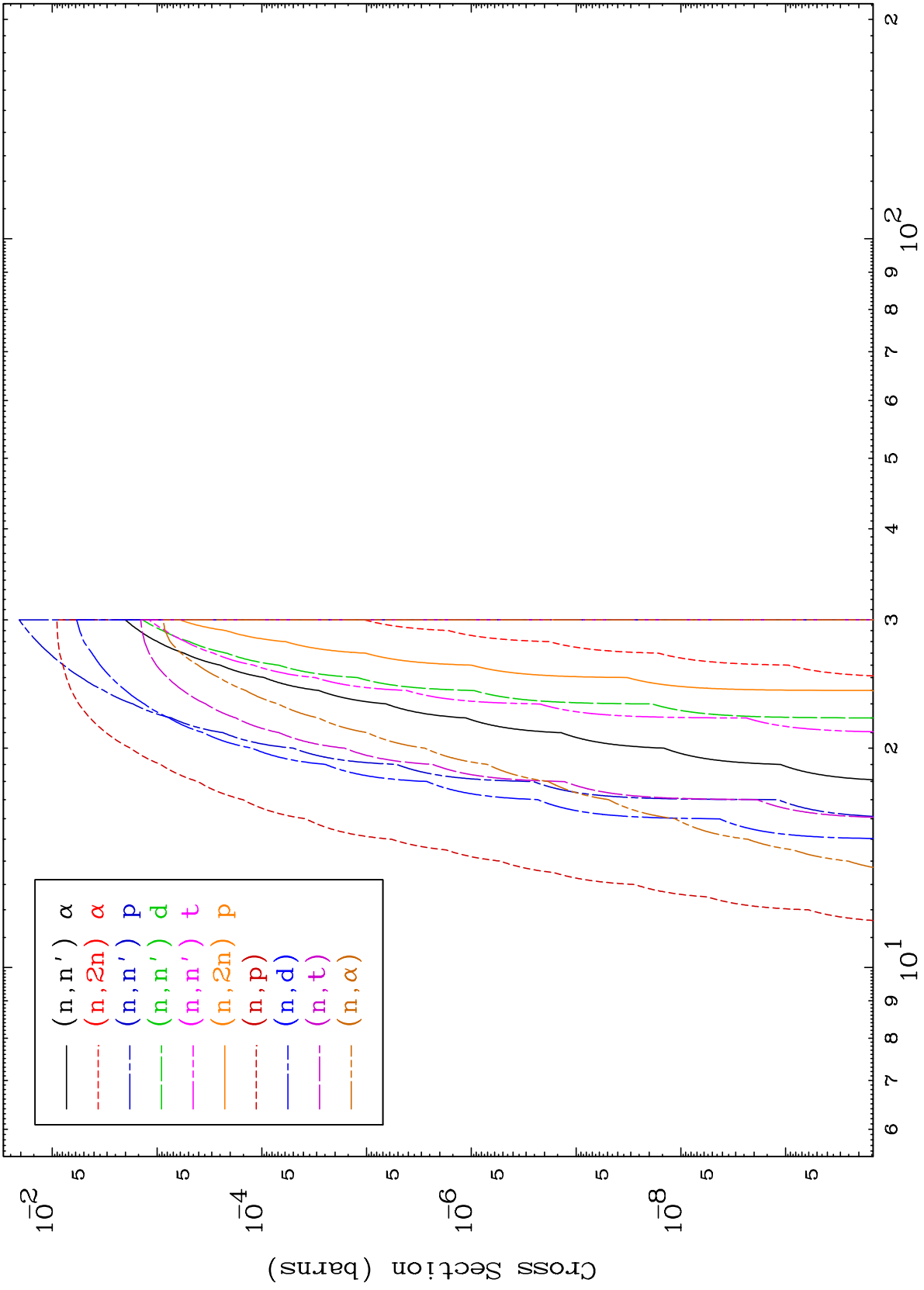
50-Sn-130



MAT 5079

Charged Particle
293 Kelvin Cross Sections

50-Sn-130



4

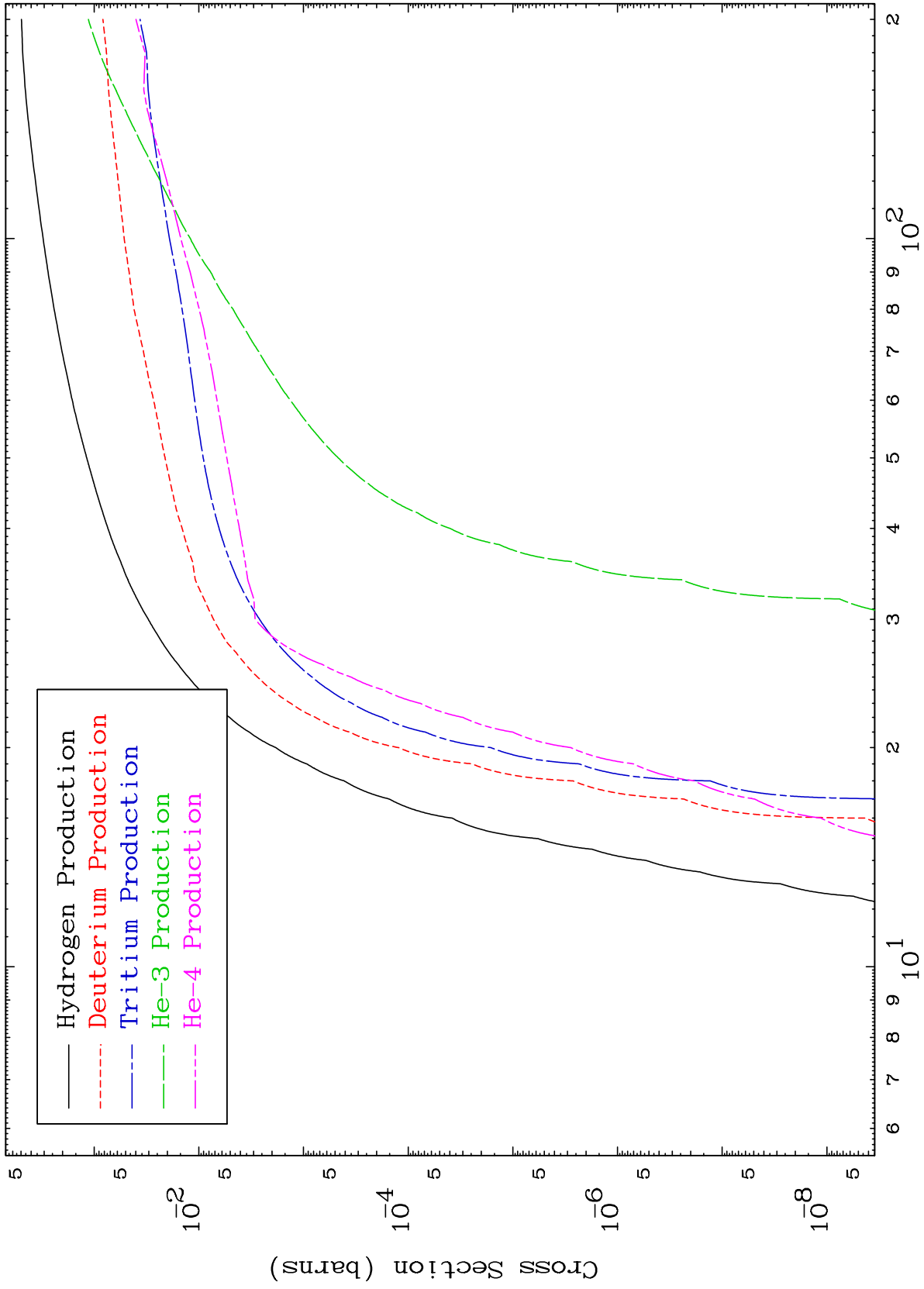
Incident Energy (MeV)

50-Sn-130

MAT 5079

Particle Production
293 Kelvin Cross Sections

50-Sn-130



5

Incident Energy (MeV)

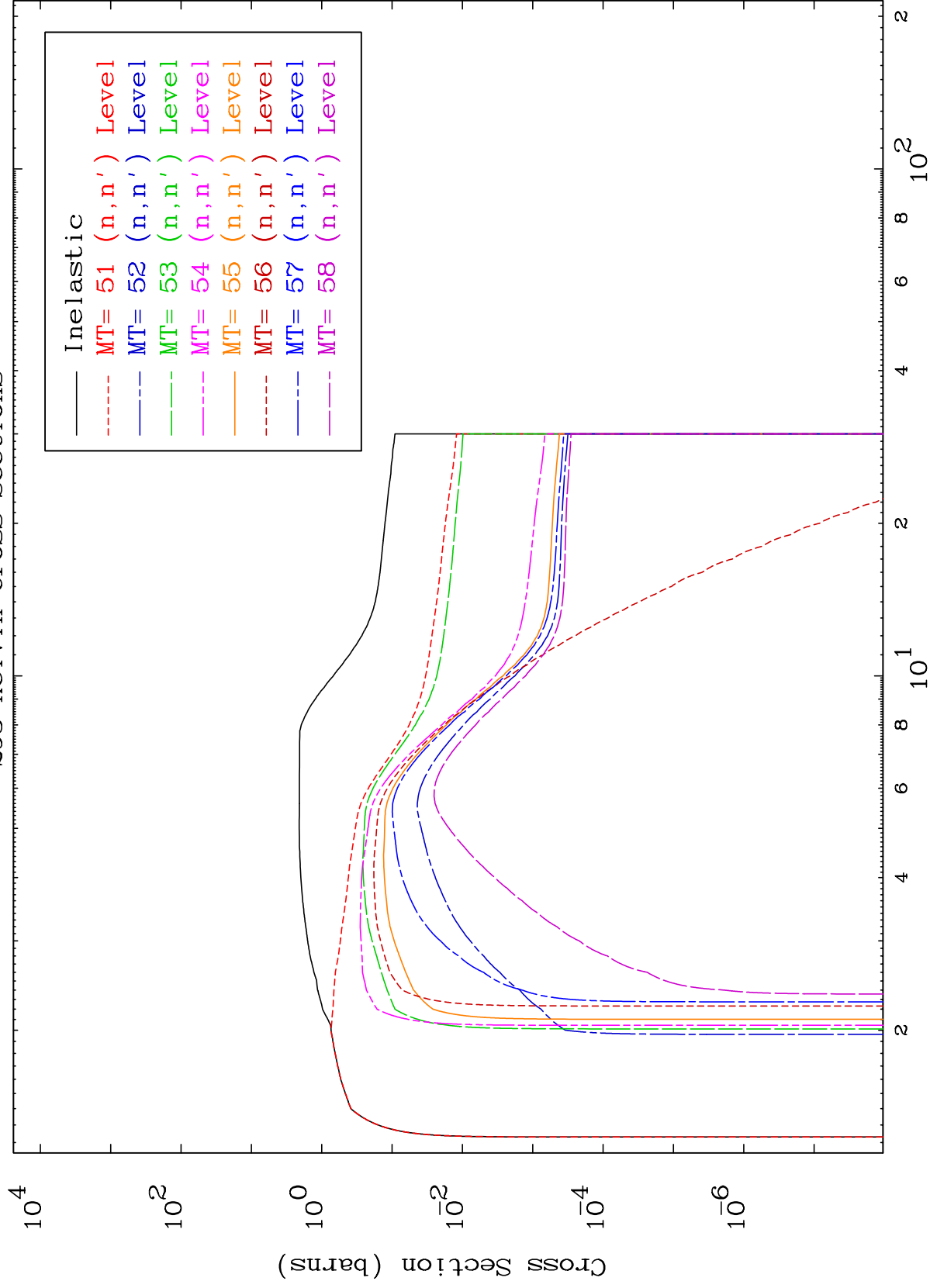
50-Sn-130

MAT 5079

(n,n') Levels

50-Sn-130

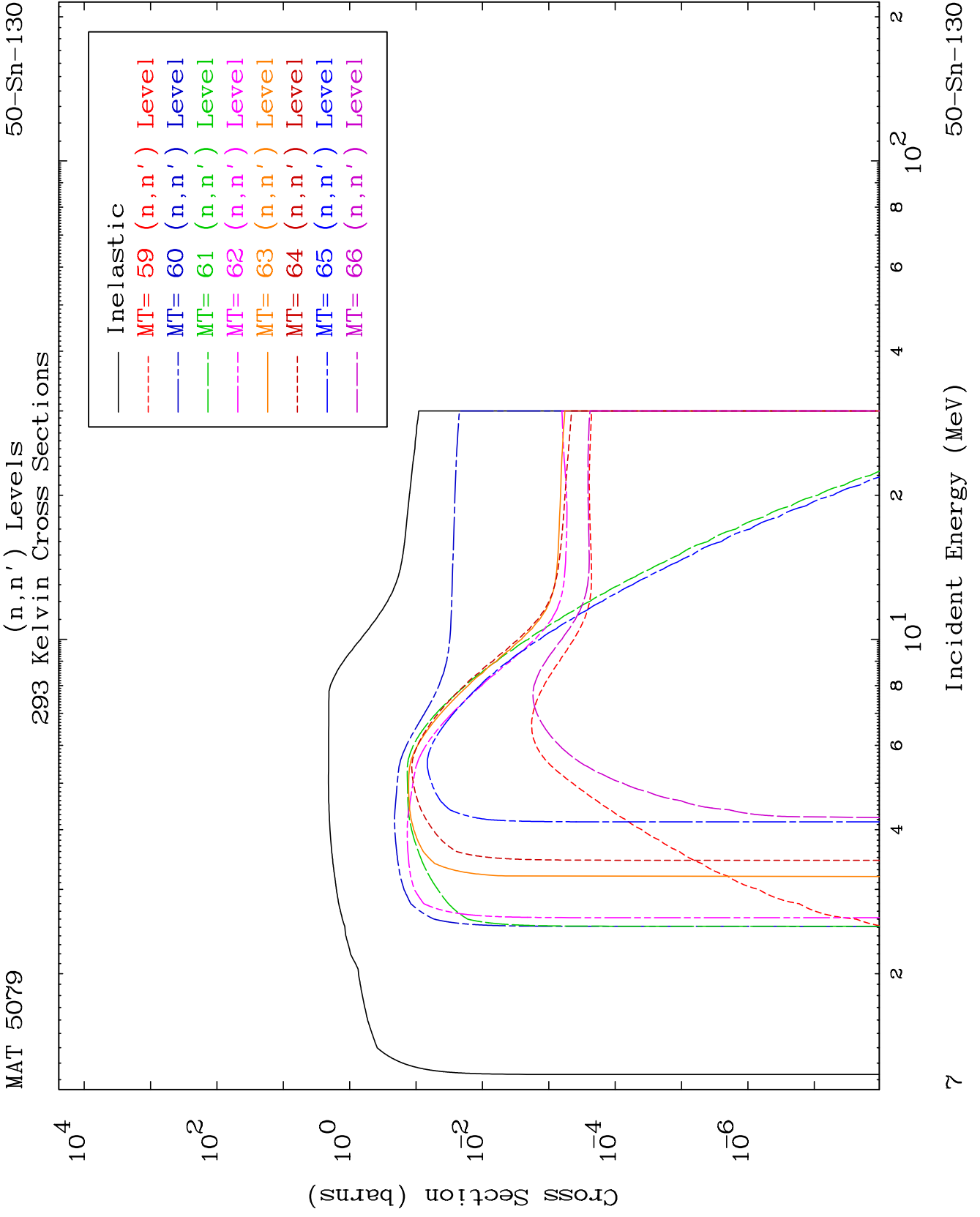
293 Kelvin Cross Sections



6

Incident Energy (MeV)

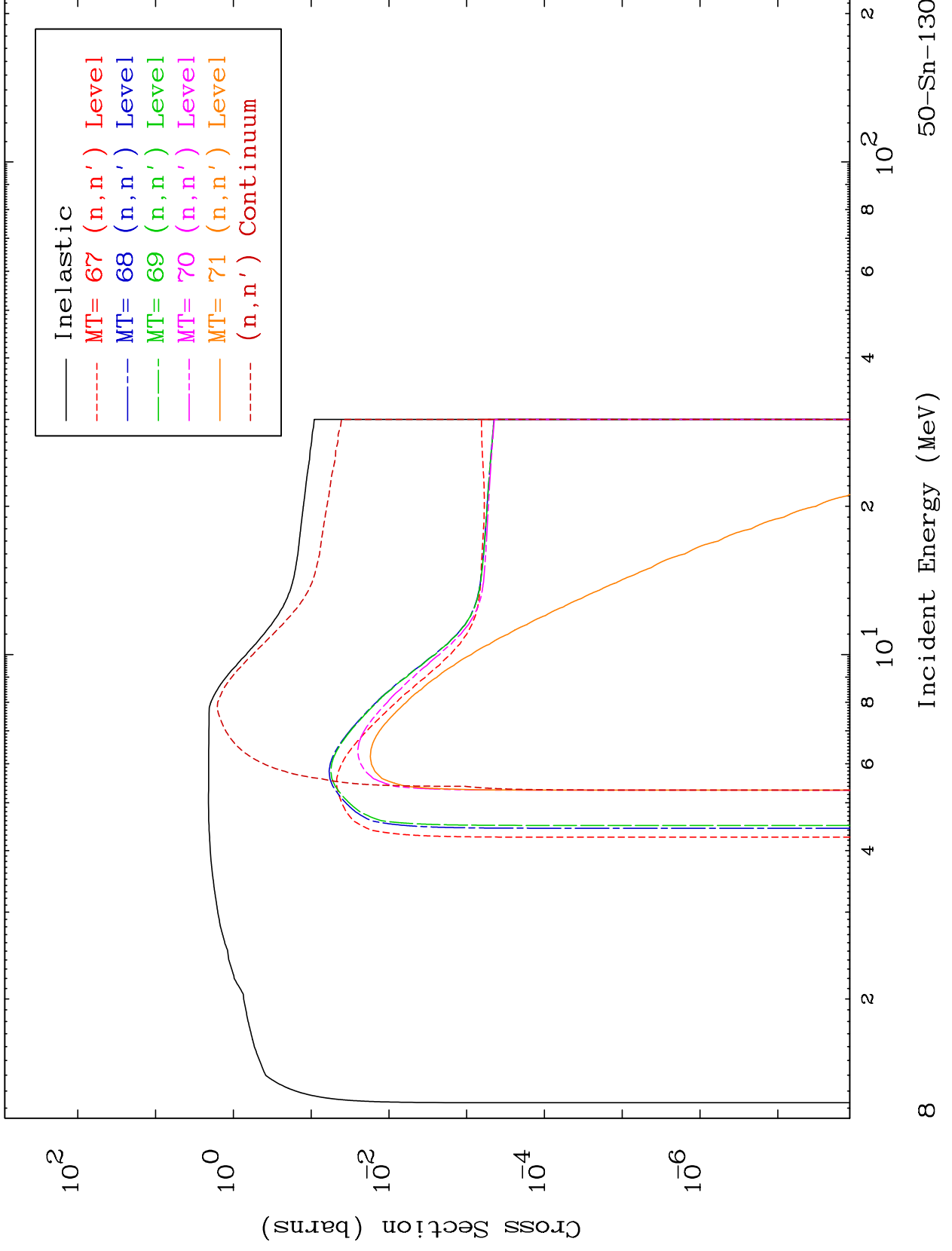
50-Sn-130



MAT 5079

(n,n') Levels
293 Kelvin Cross Sections

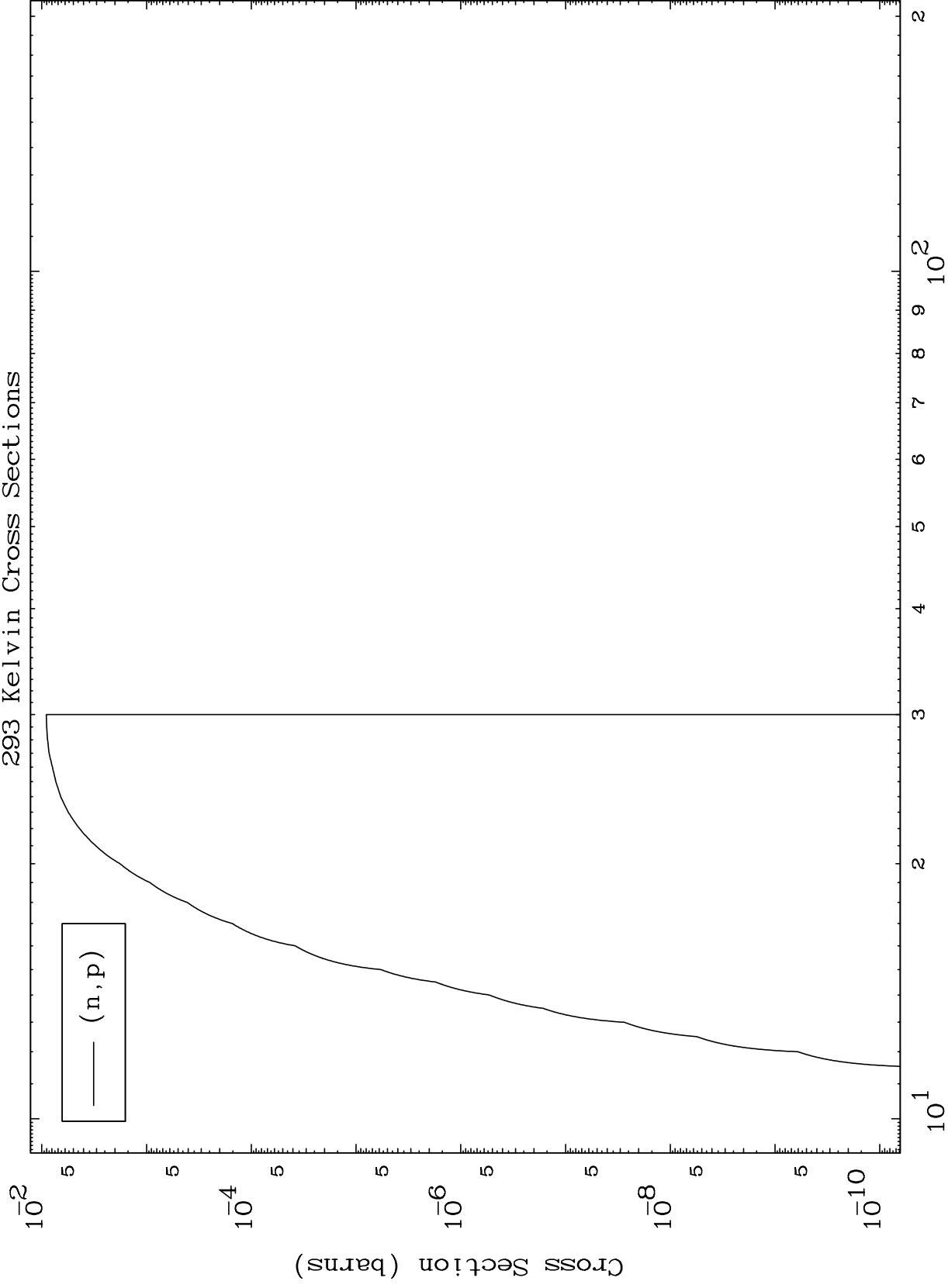
50-Sn-130



MAT 5079

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-130



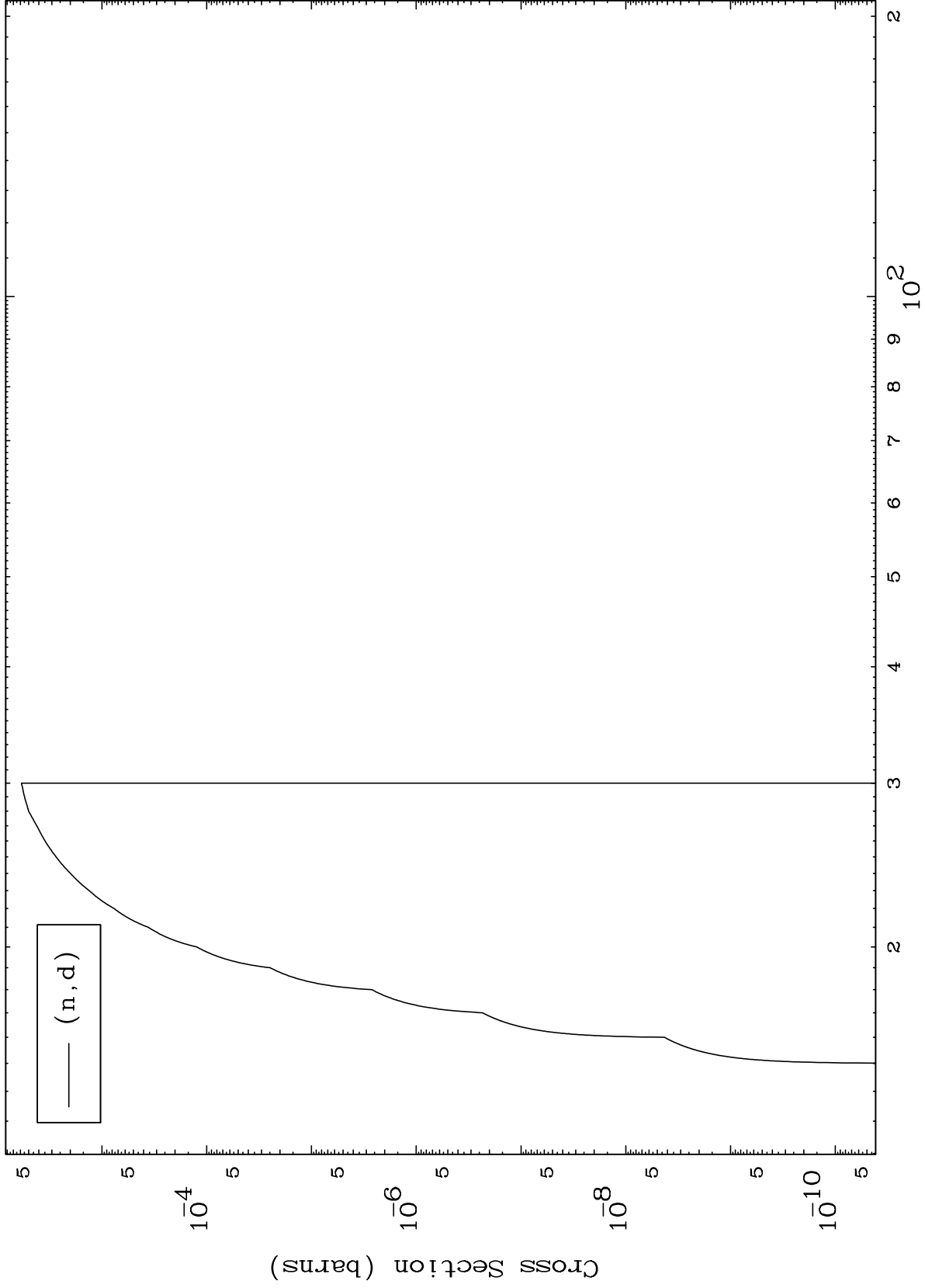
Incident Energy (MeV)

50-Sn-130

MAT 5079

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-130



10

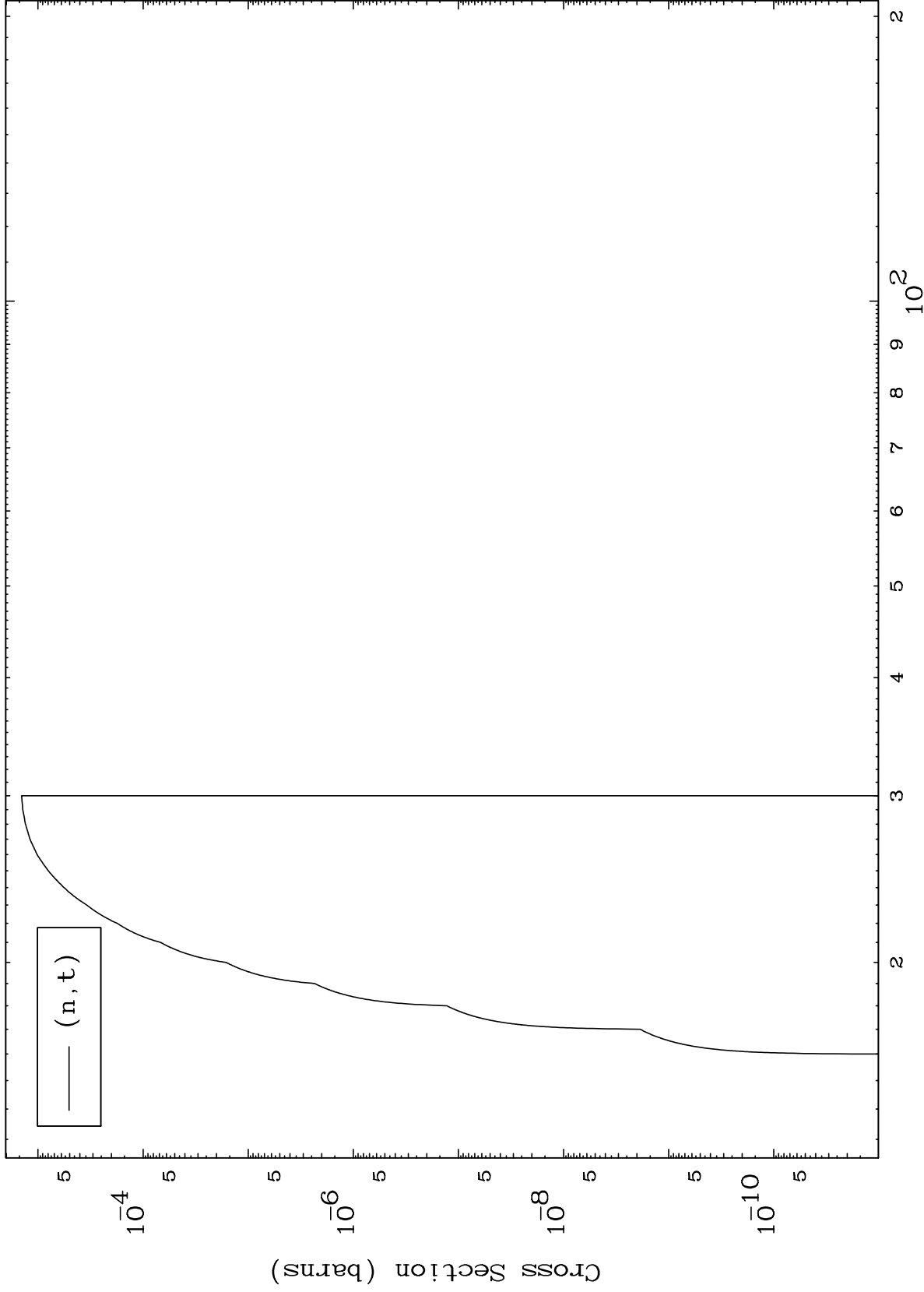
Incident Energy (MeV)

50-Sn-130

MAT 5079

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-130



11

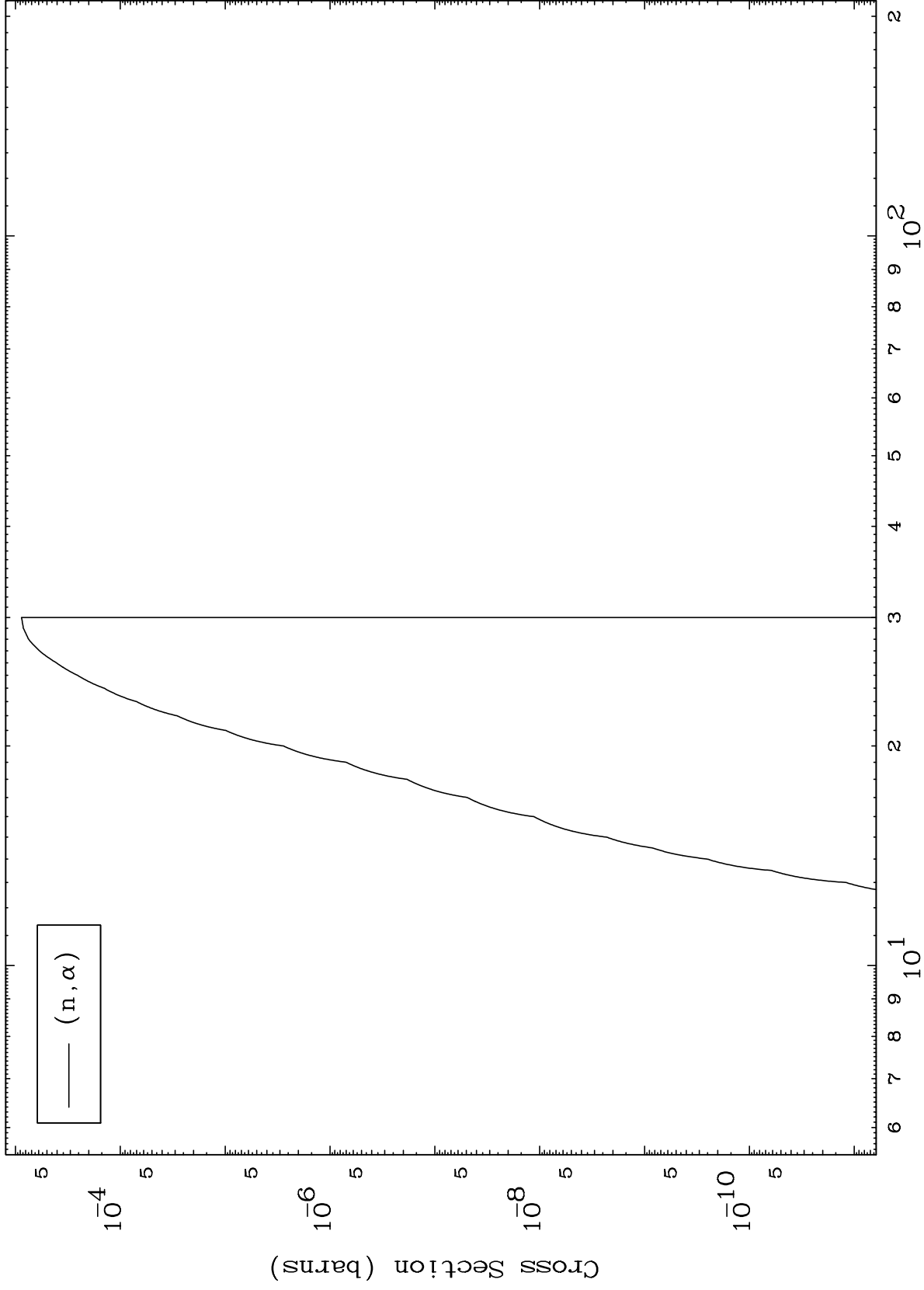
Incident Energy (MeV)

50-Sn-130

MAT 5079

(n, α) Levels
293 Kelvin Cross Sections

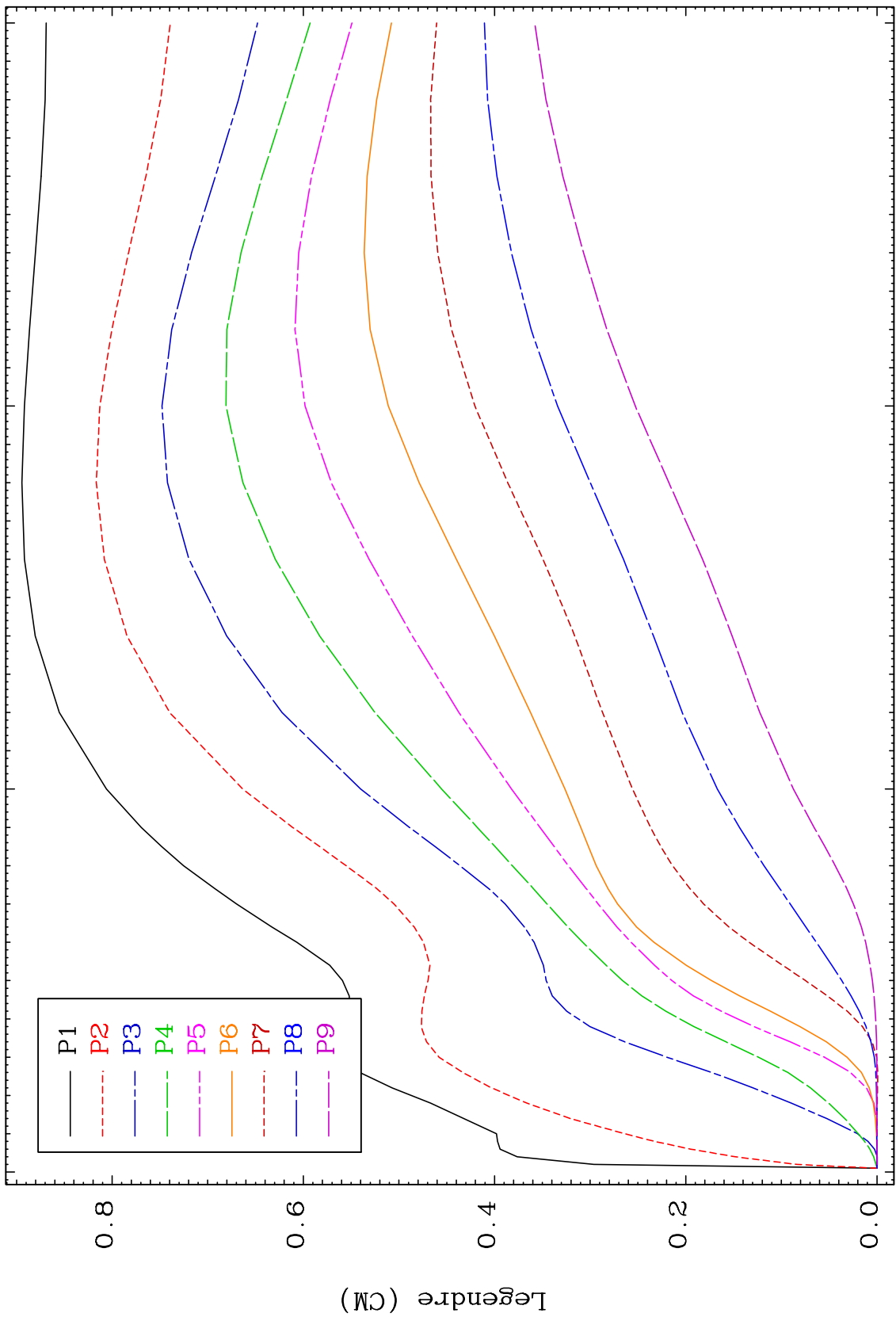
50-Sn-130



MAT 5079

50-Sn-130

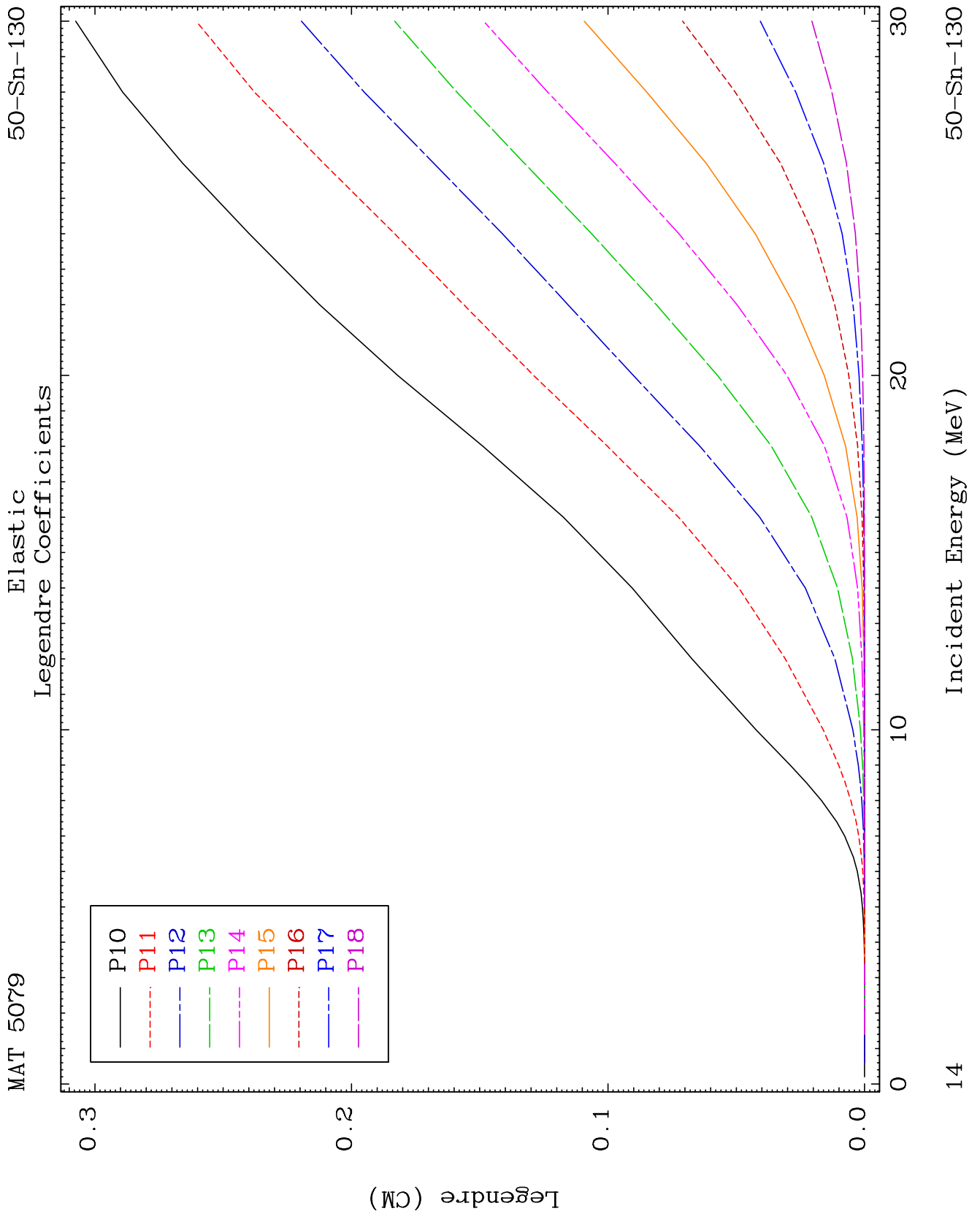
Elastic Legendre Coefficients



13

Incident Energy (MeV)

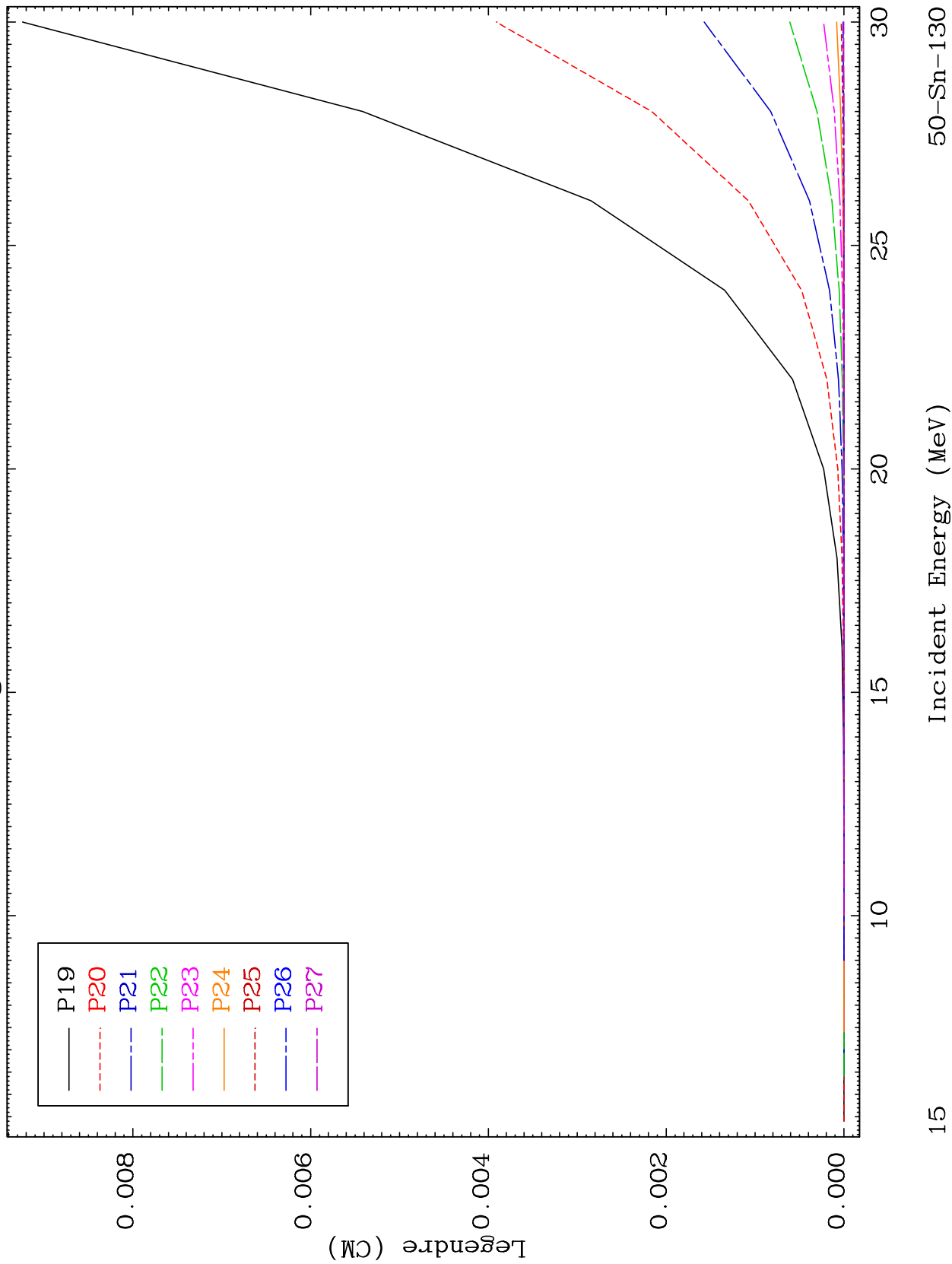
50-Sn-130



MAT 5079

Elastic Legendre Coefficients

50-Sn-130



15

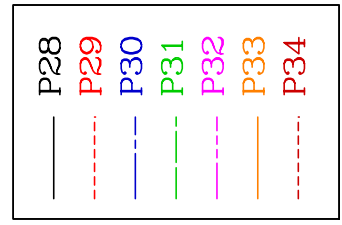
Incident Energy (MeV)

50-Sn-130

MAT 5079

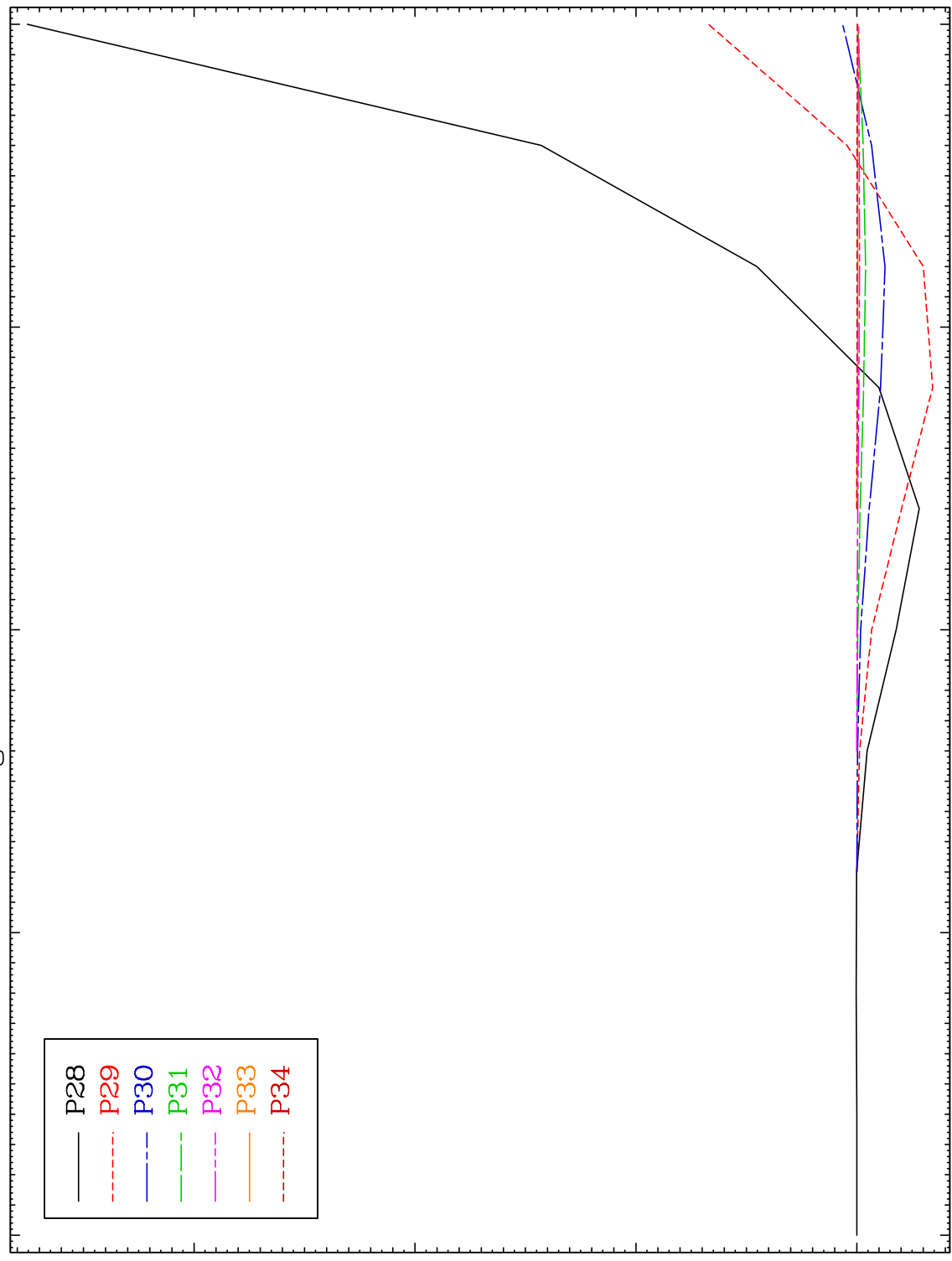
Elastic Legendre Coefficients

50-Sn-130



$\times 10^{-7}$

Legendre (CM)



10

15

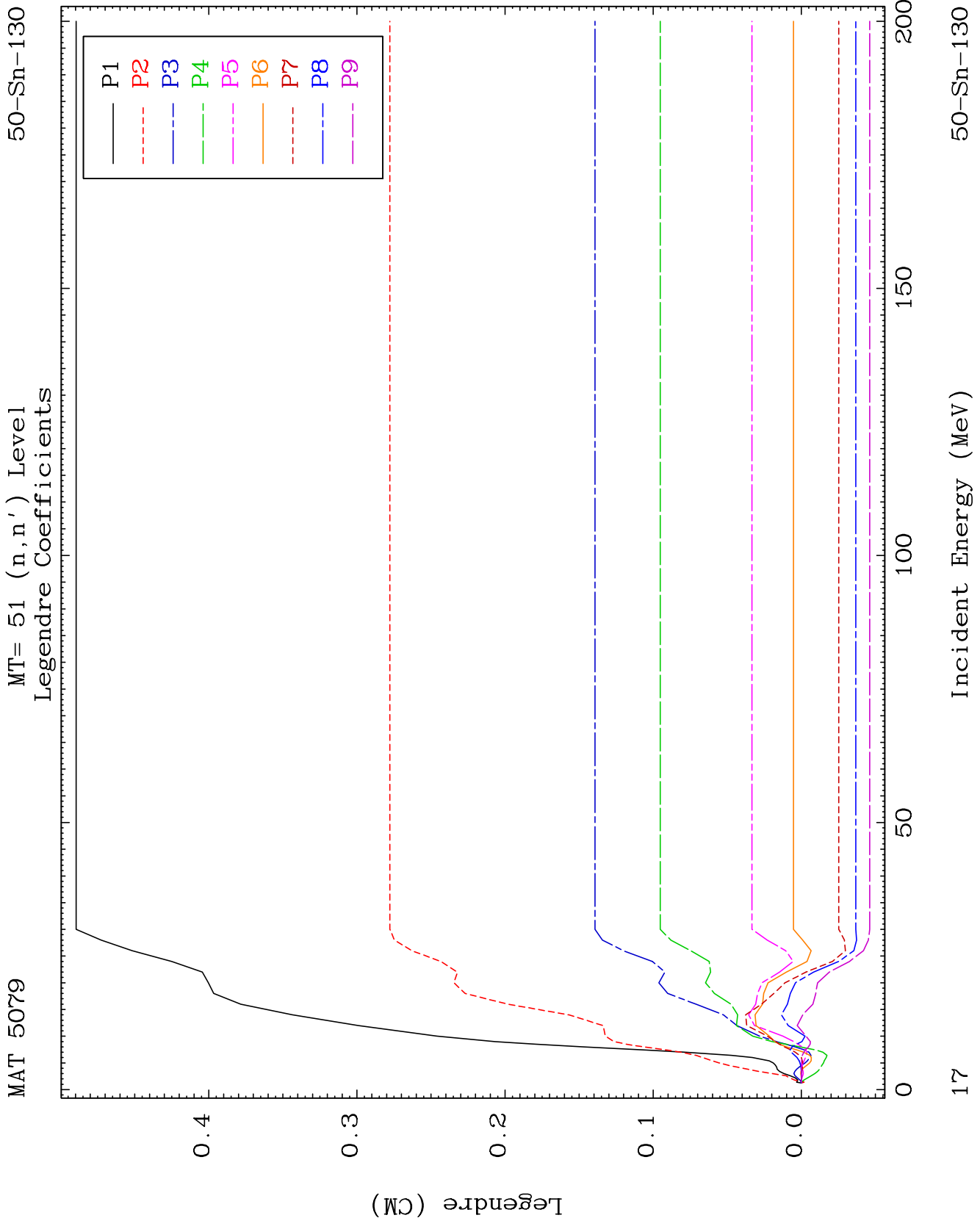
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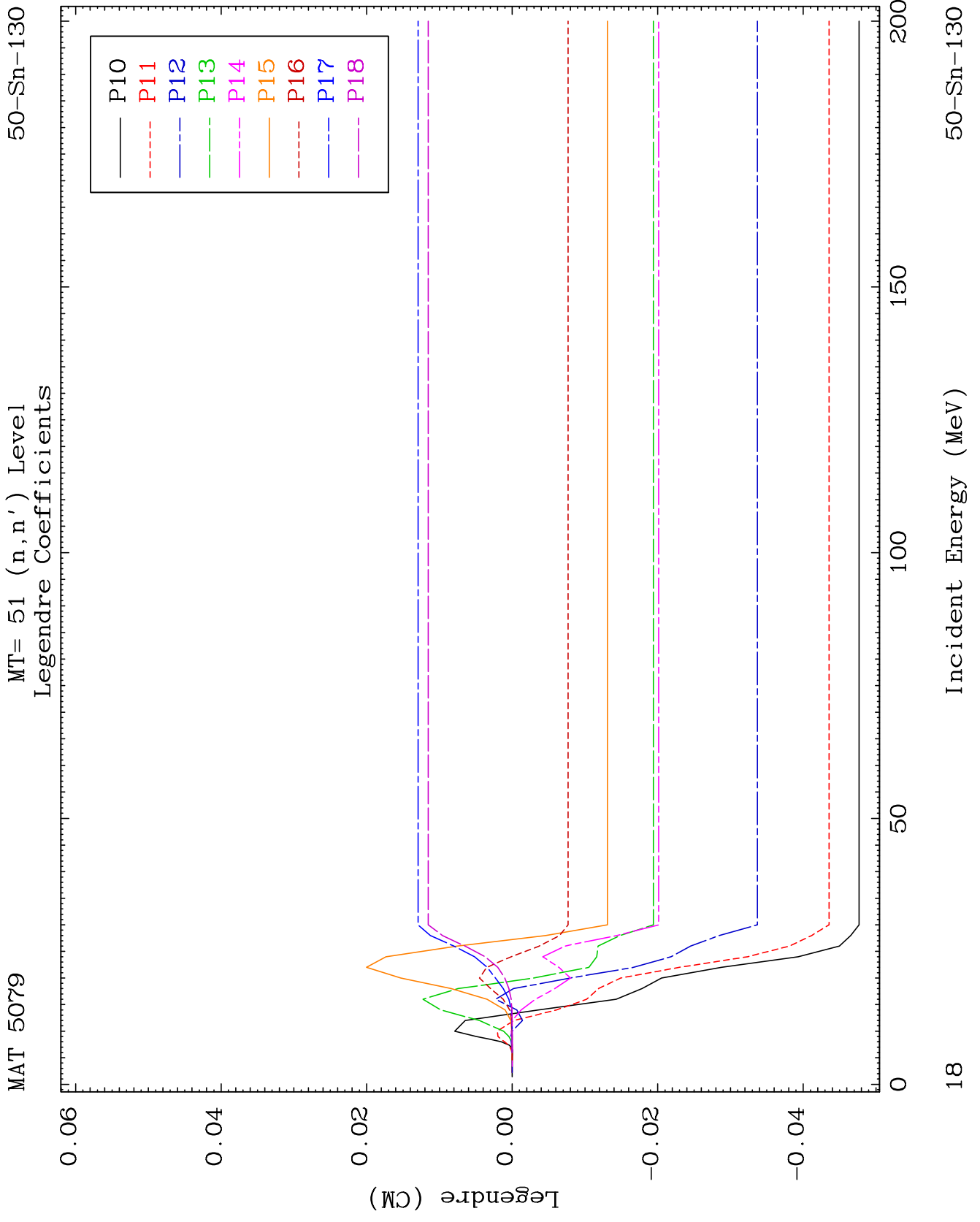
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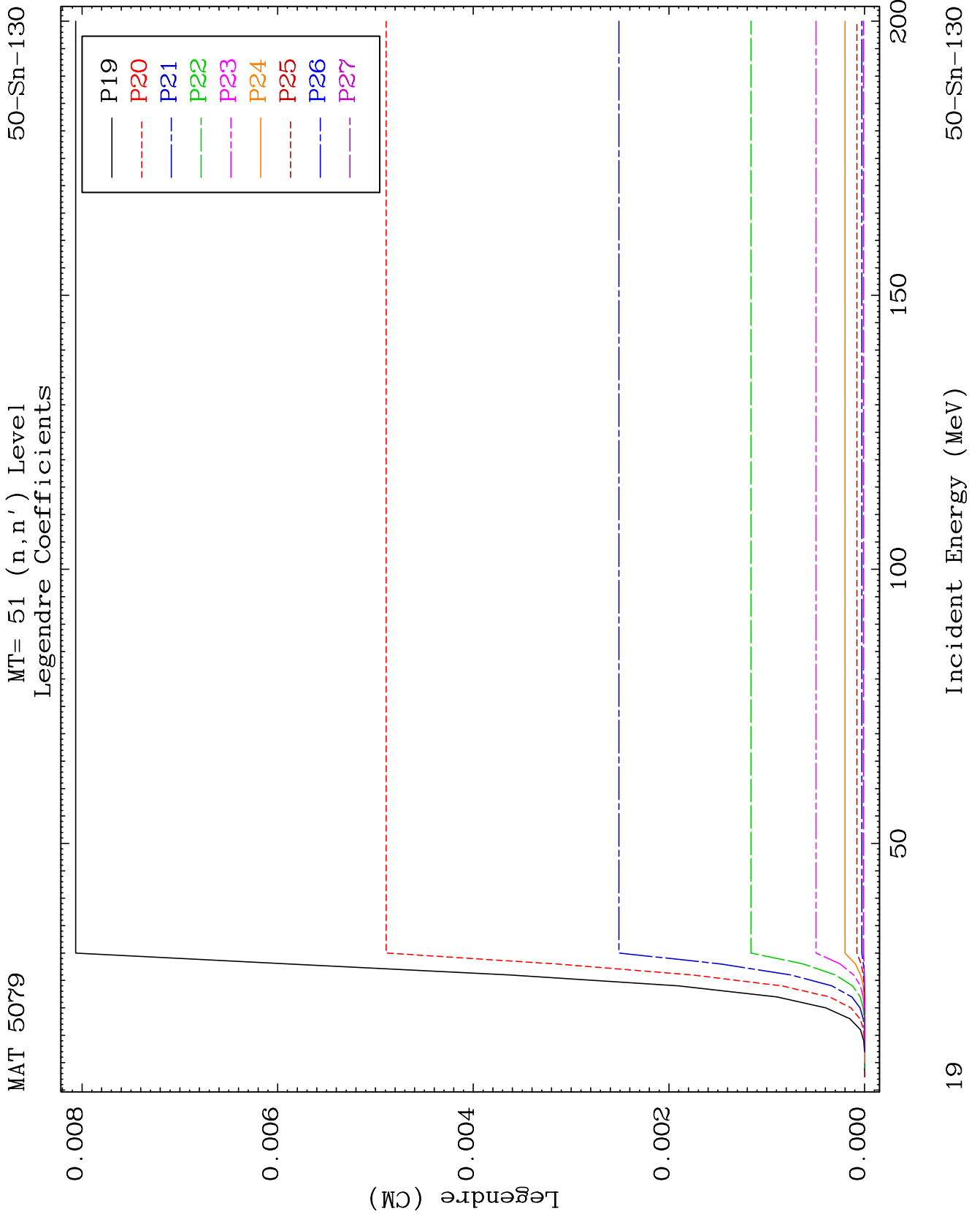
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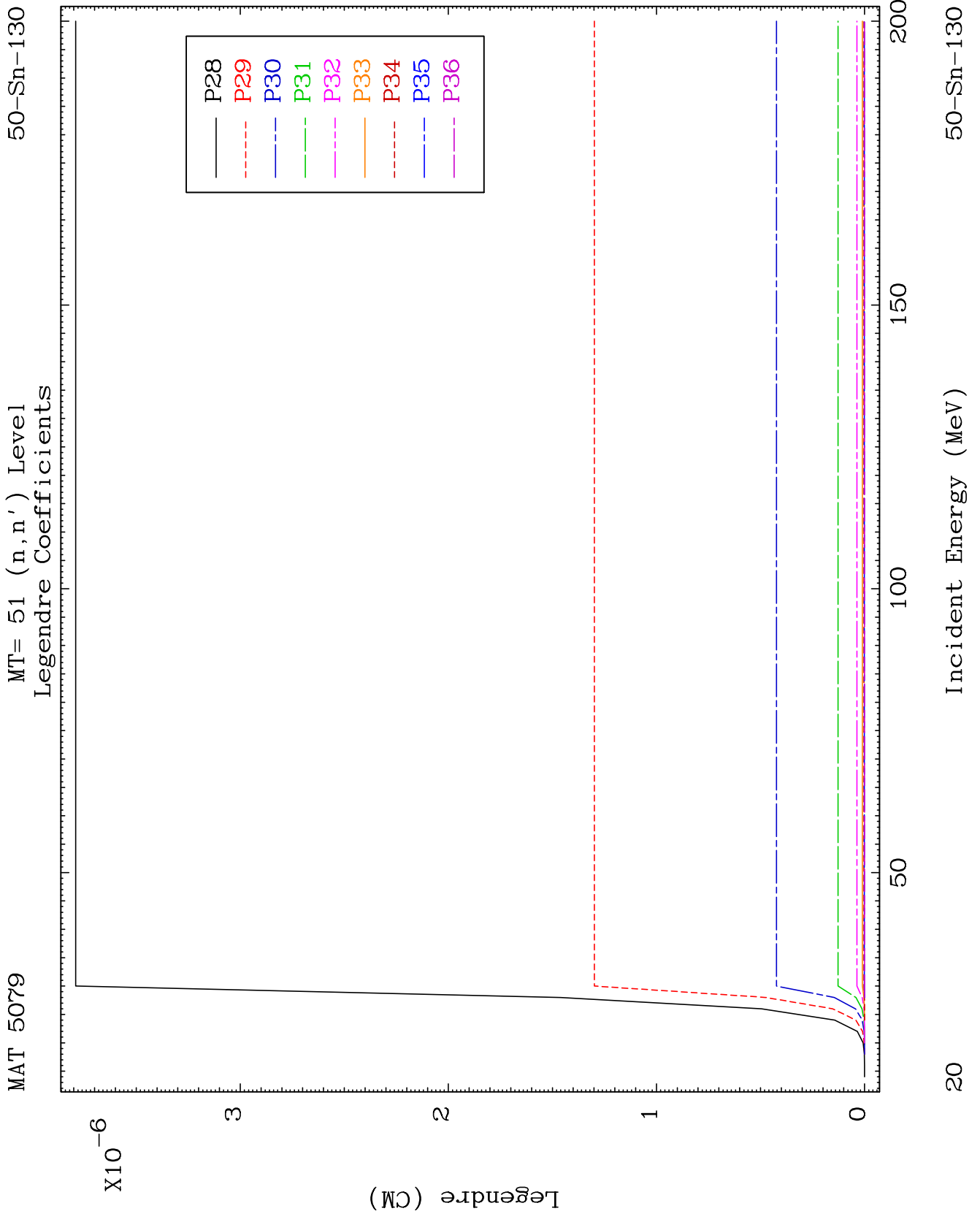
Incident Energy (MeV)

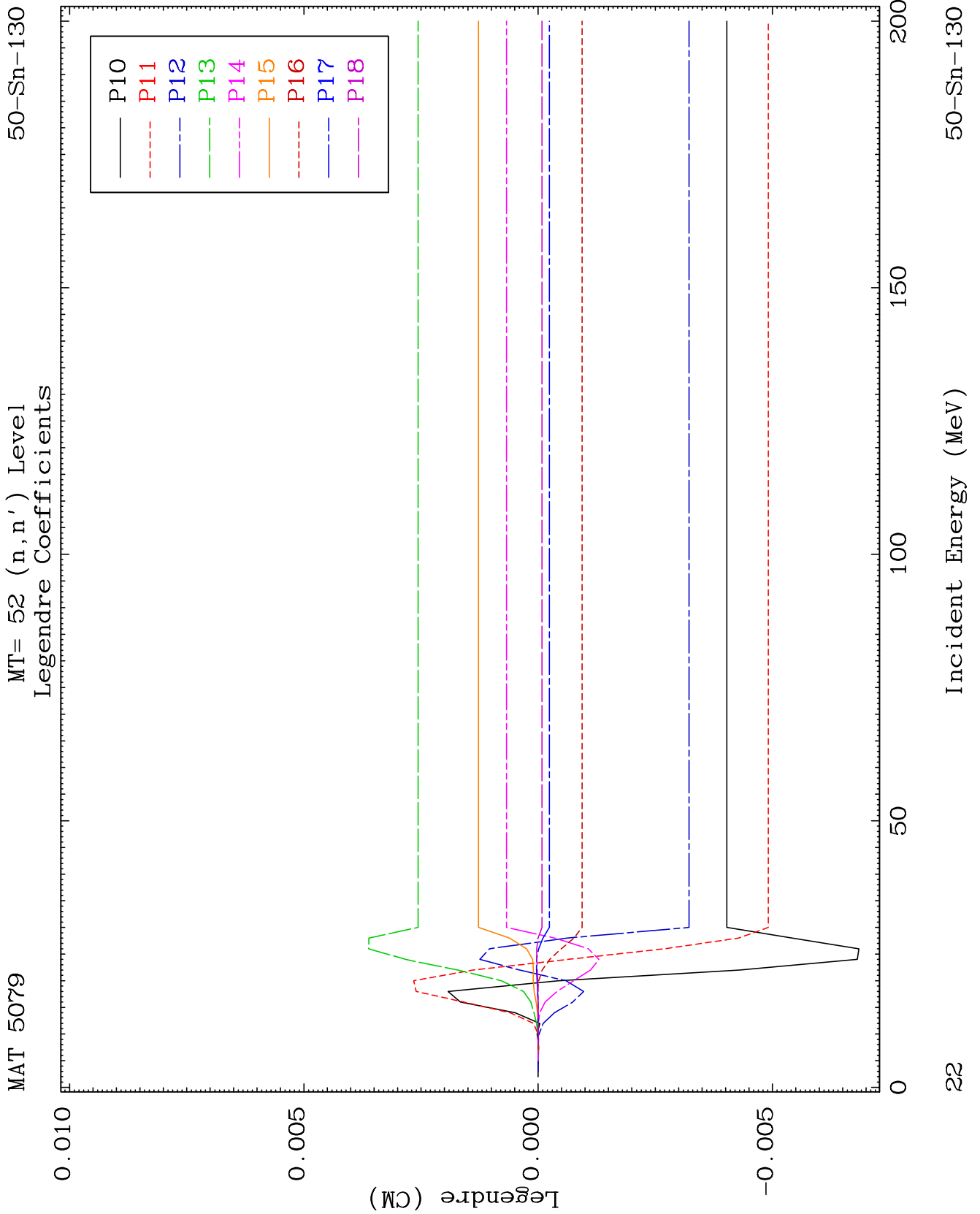
50-Sn-130

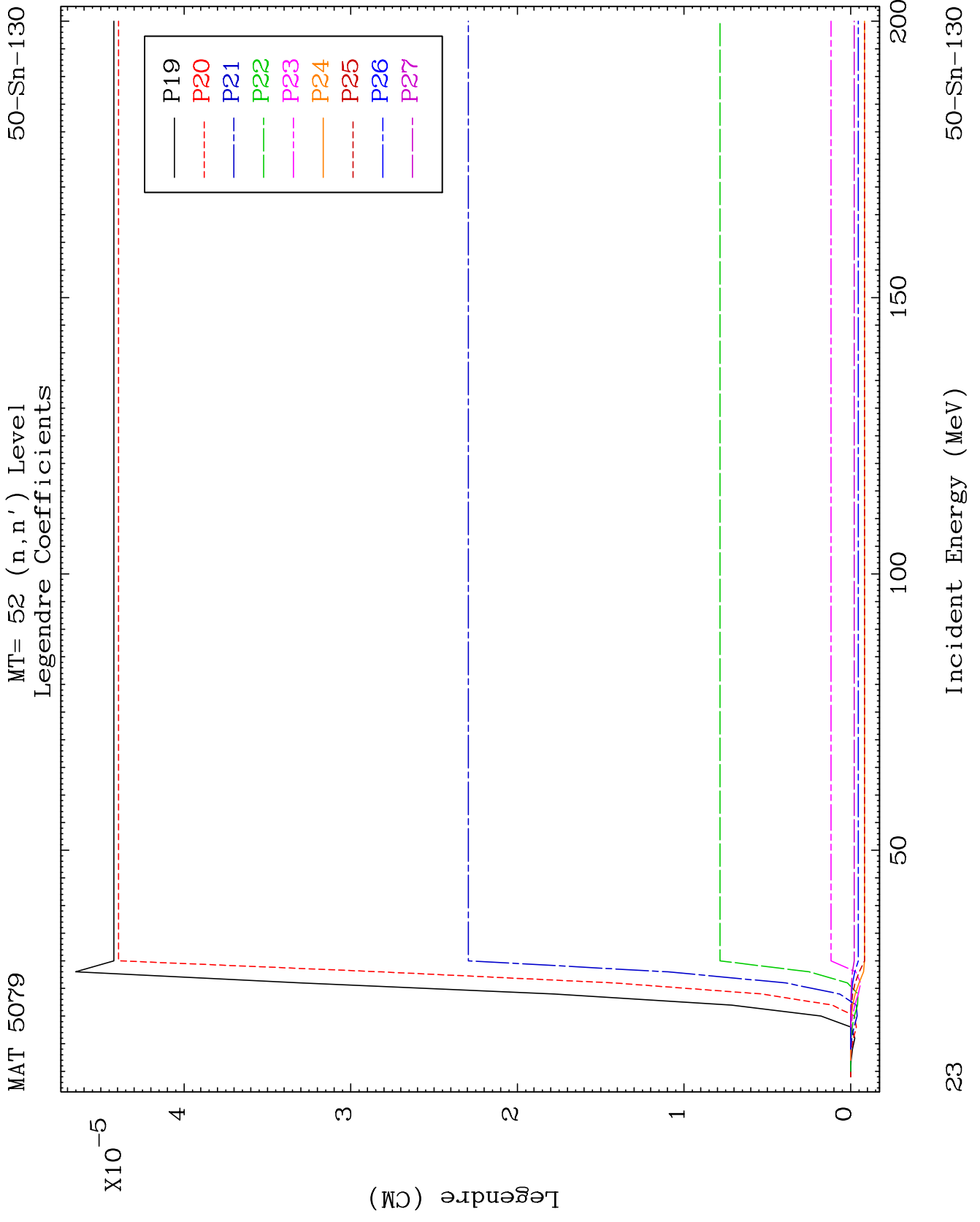


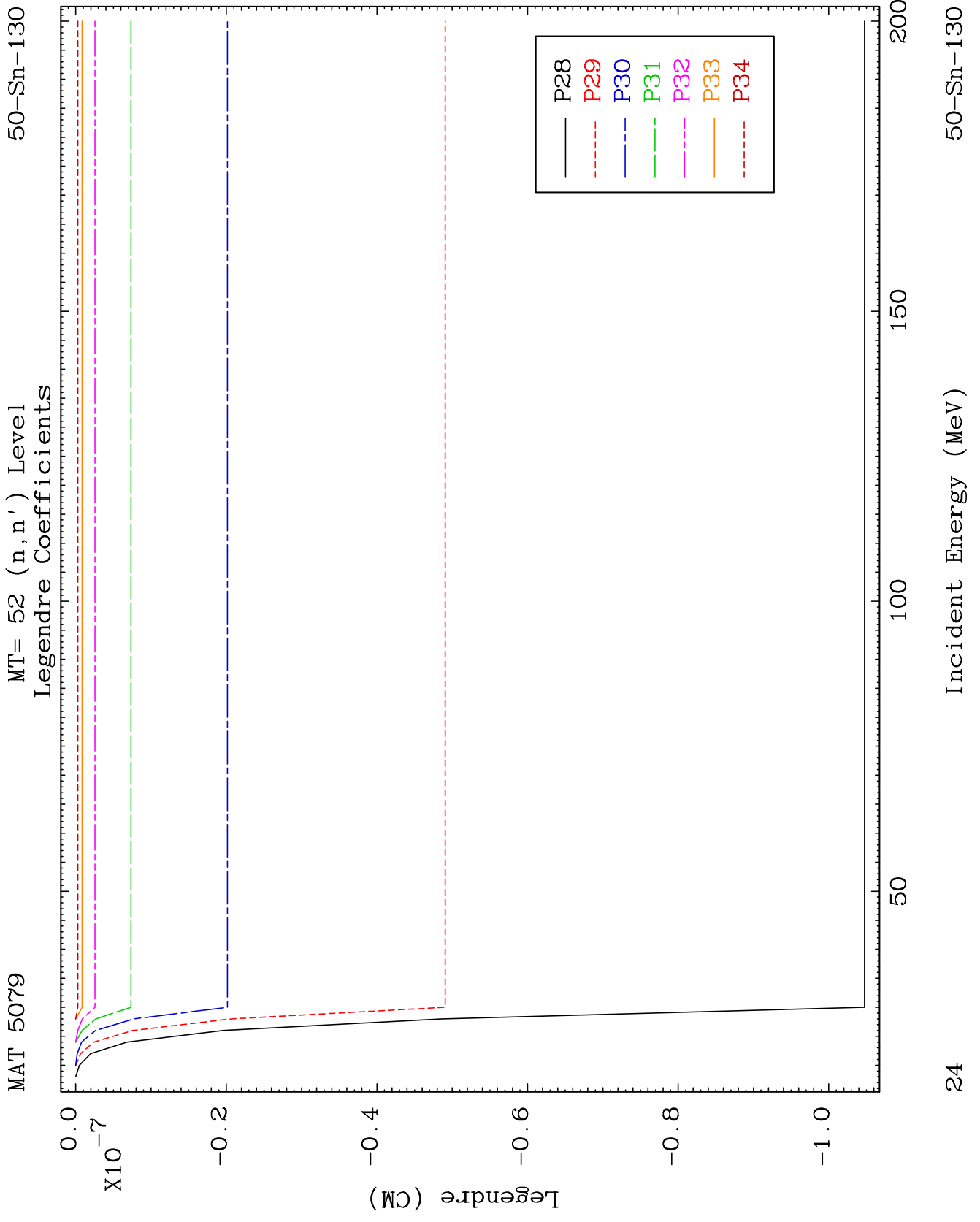








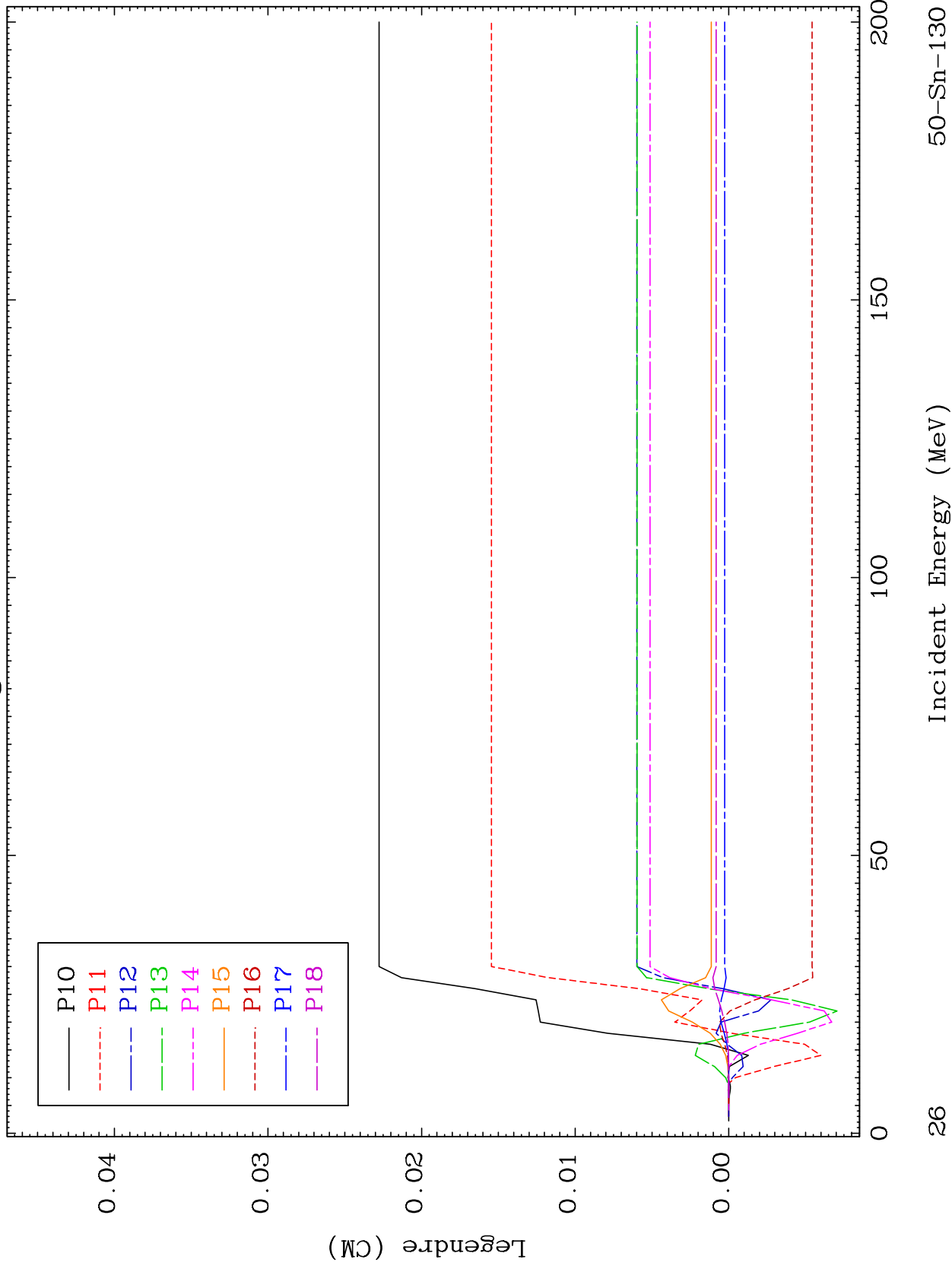




MAT 5079

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

50-Sn-130



26

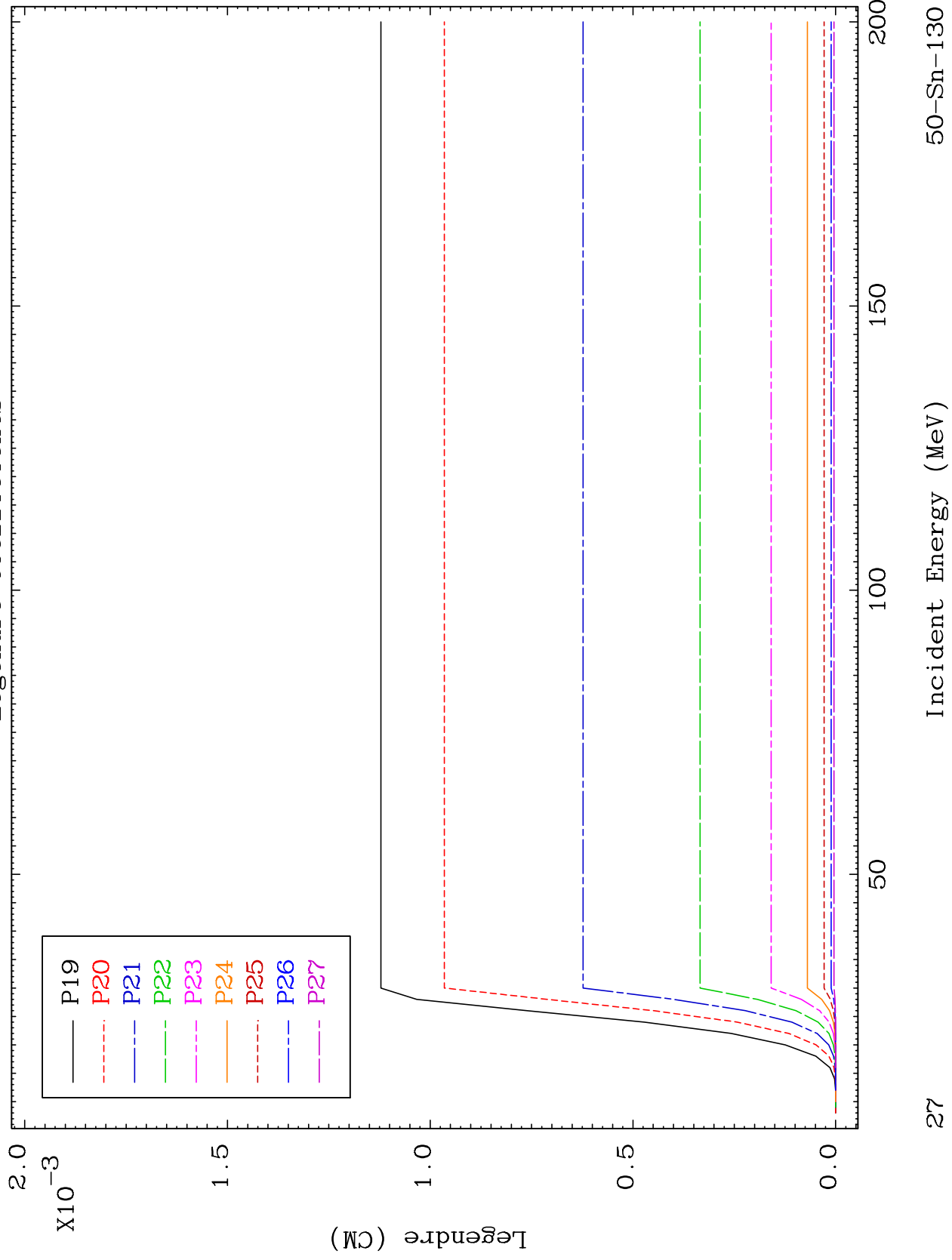
Incident Energy (MeV)

50-Sn-130

MAT 5079

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

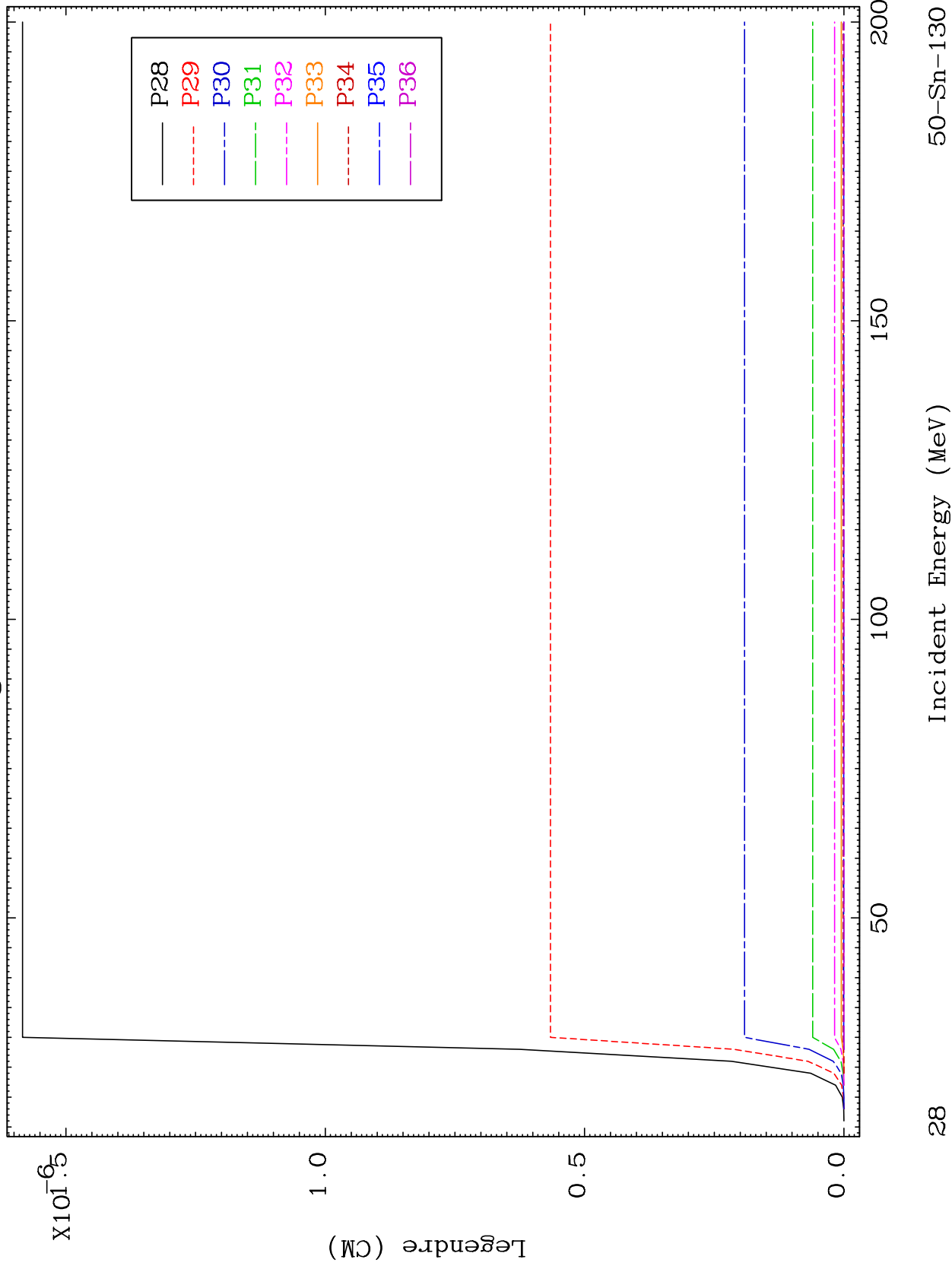
50-Sn-130



MAT 5079

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

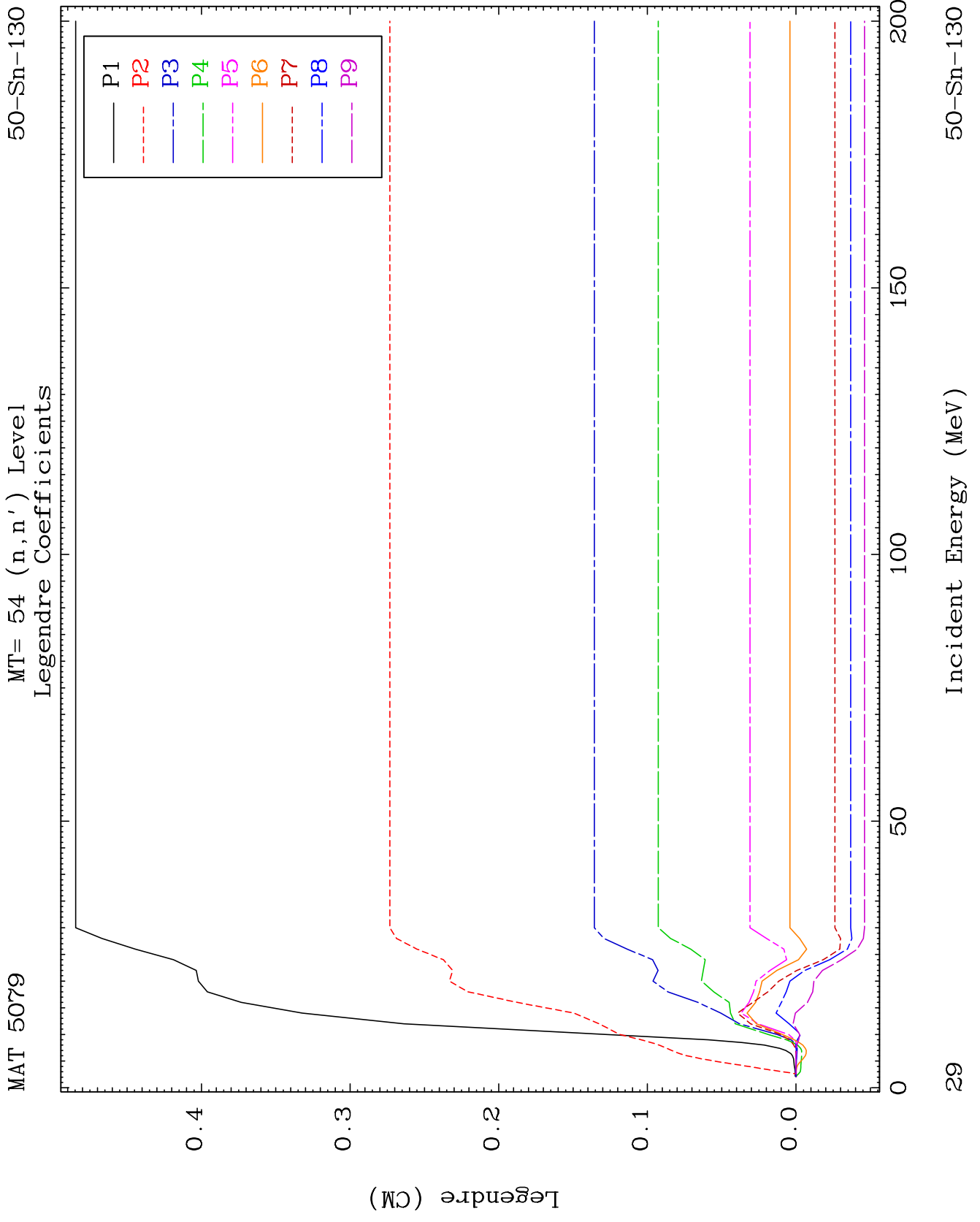
50-Sn-130

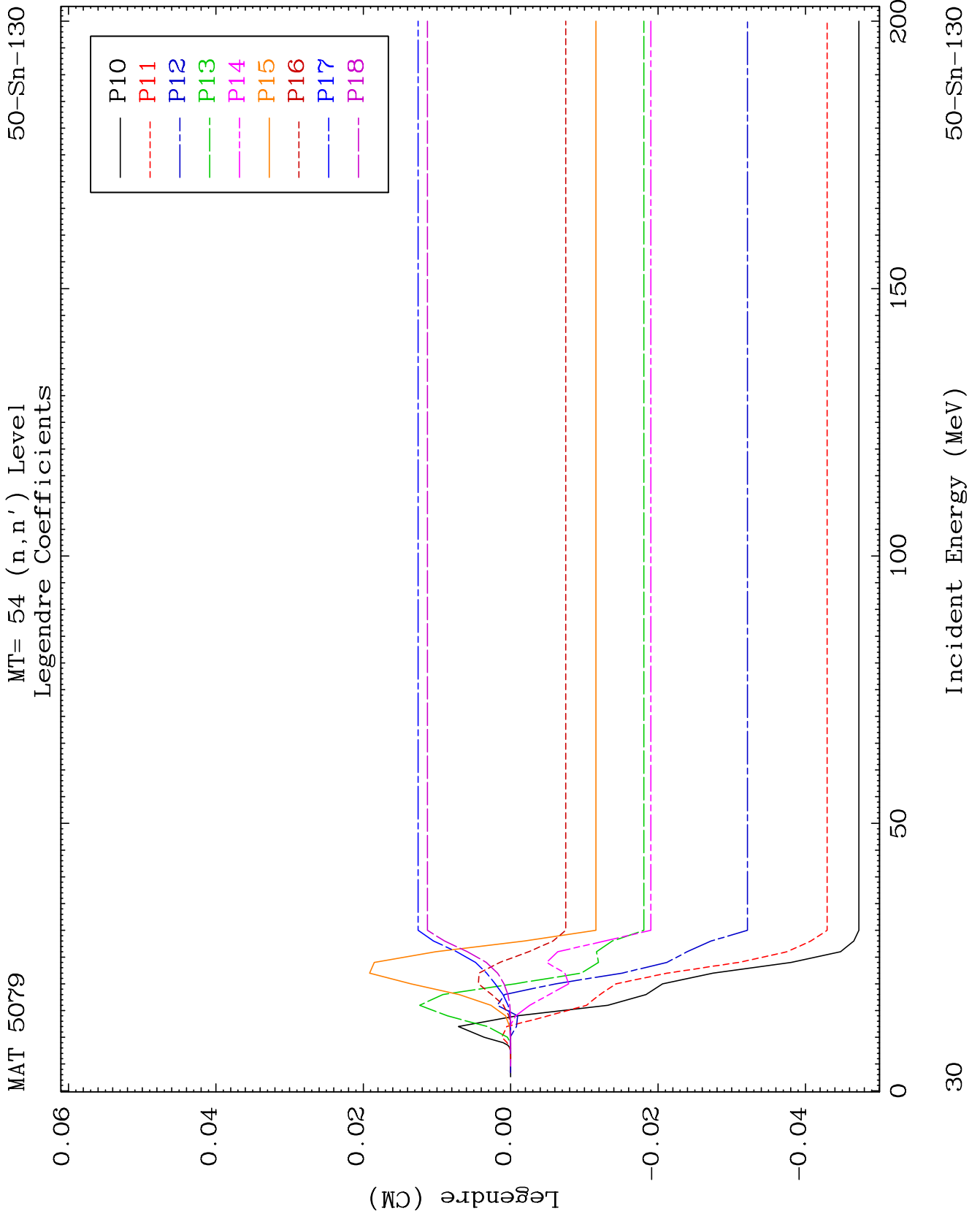


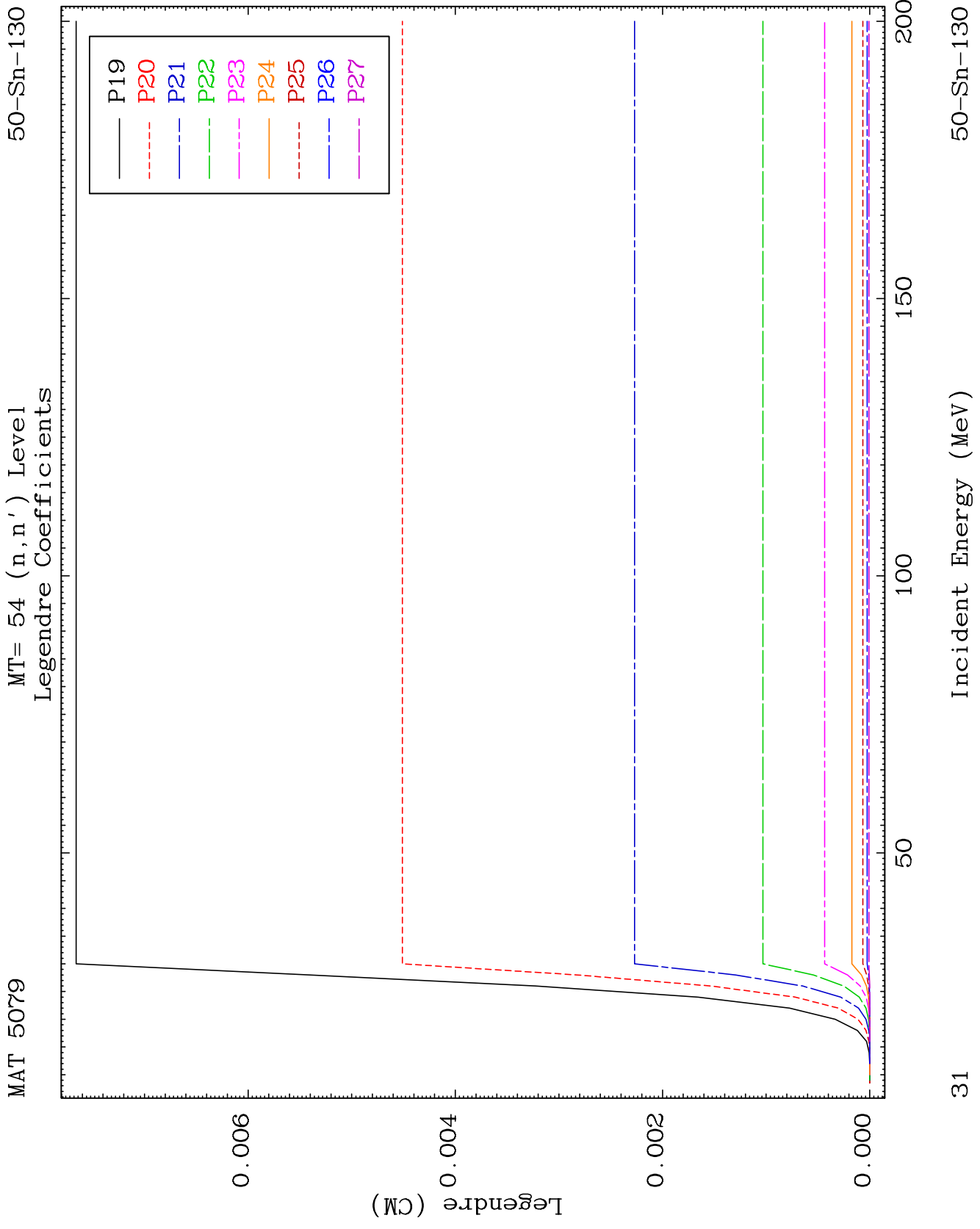
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Incident Energy (MeV)

50-Sn-130



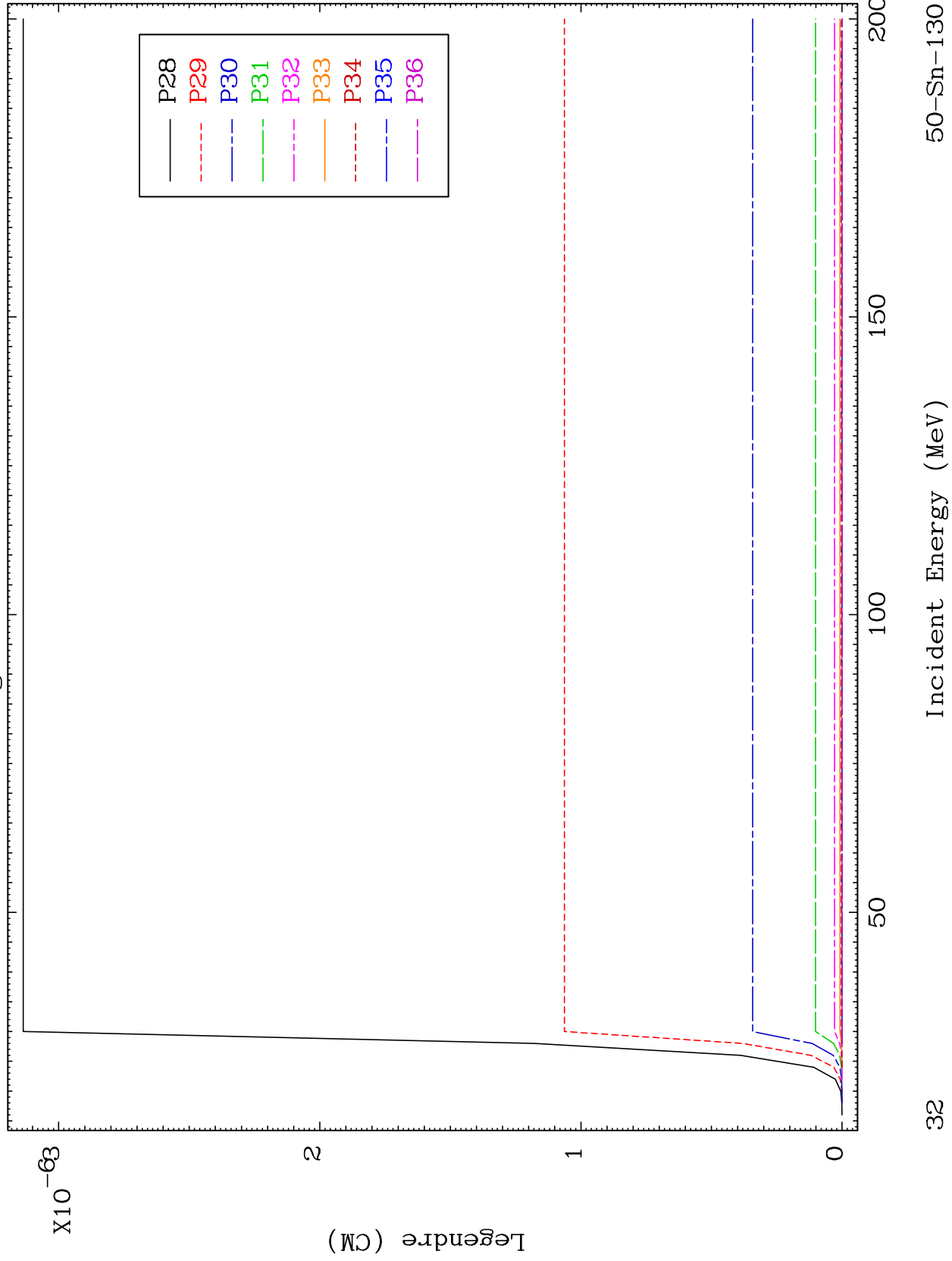




MAT 5079

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

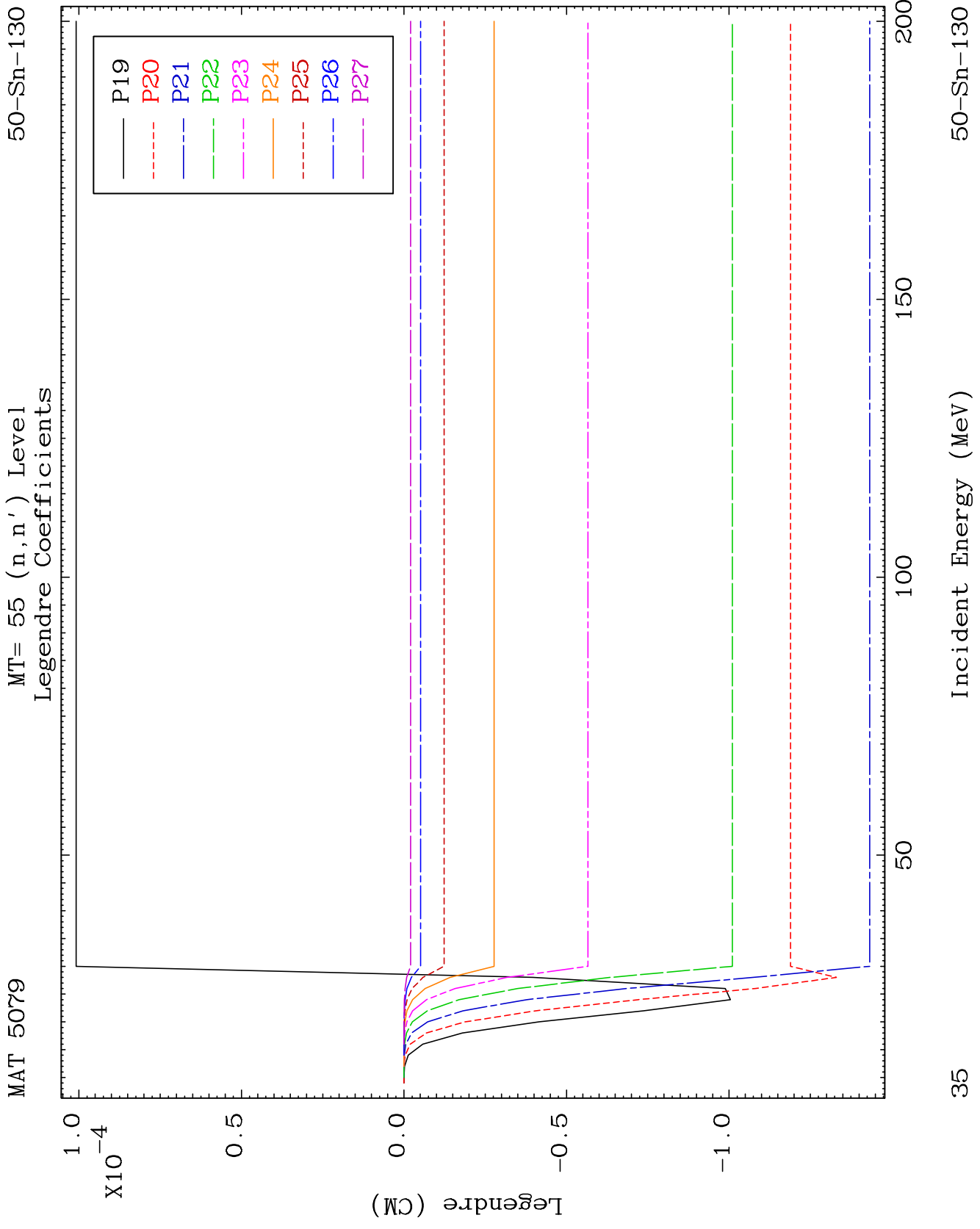
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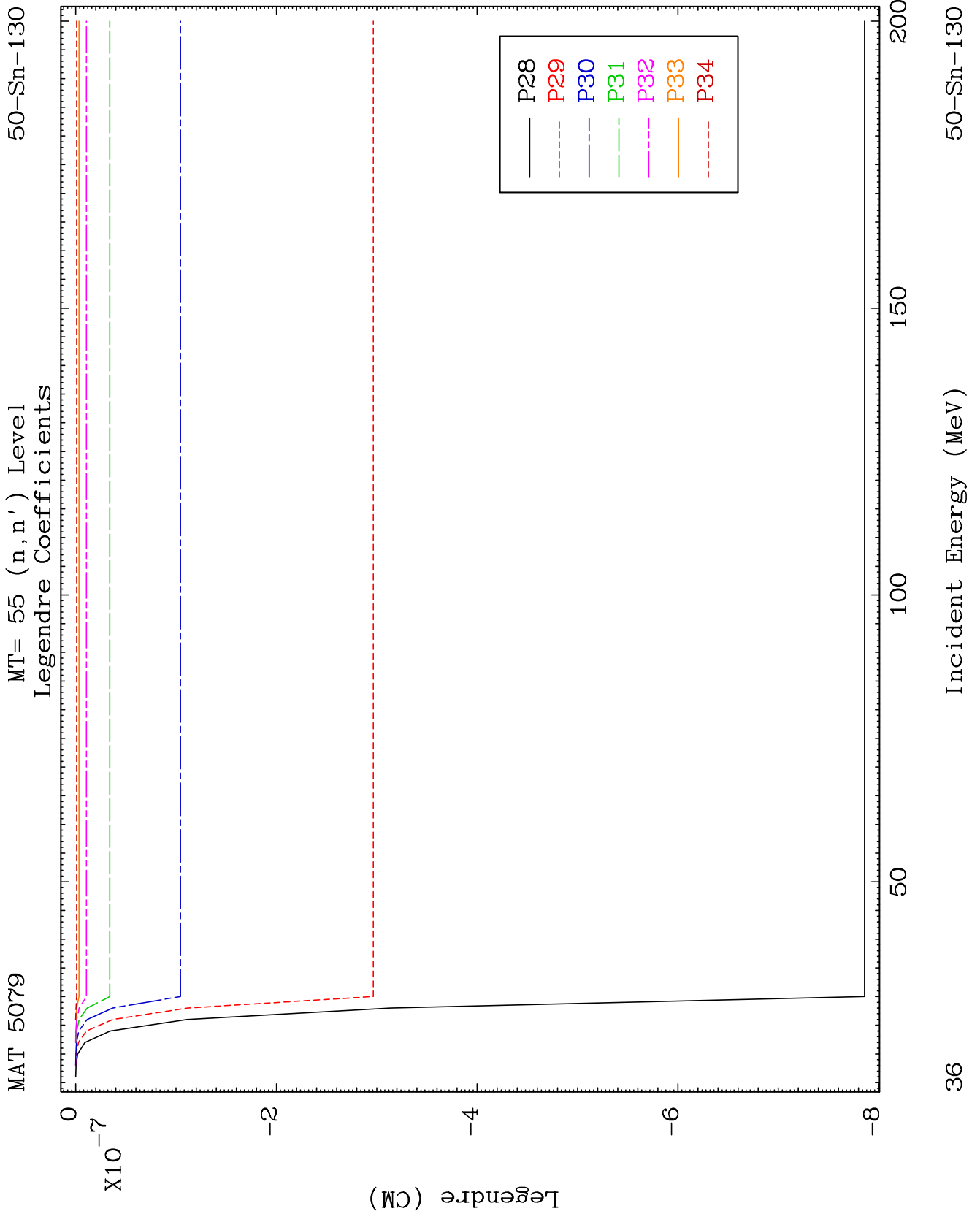


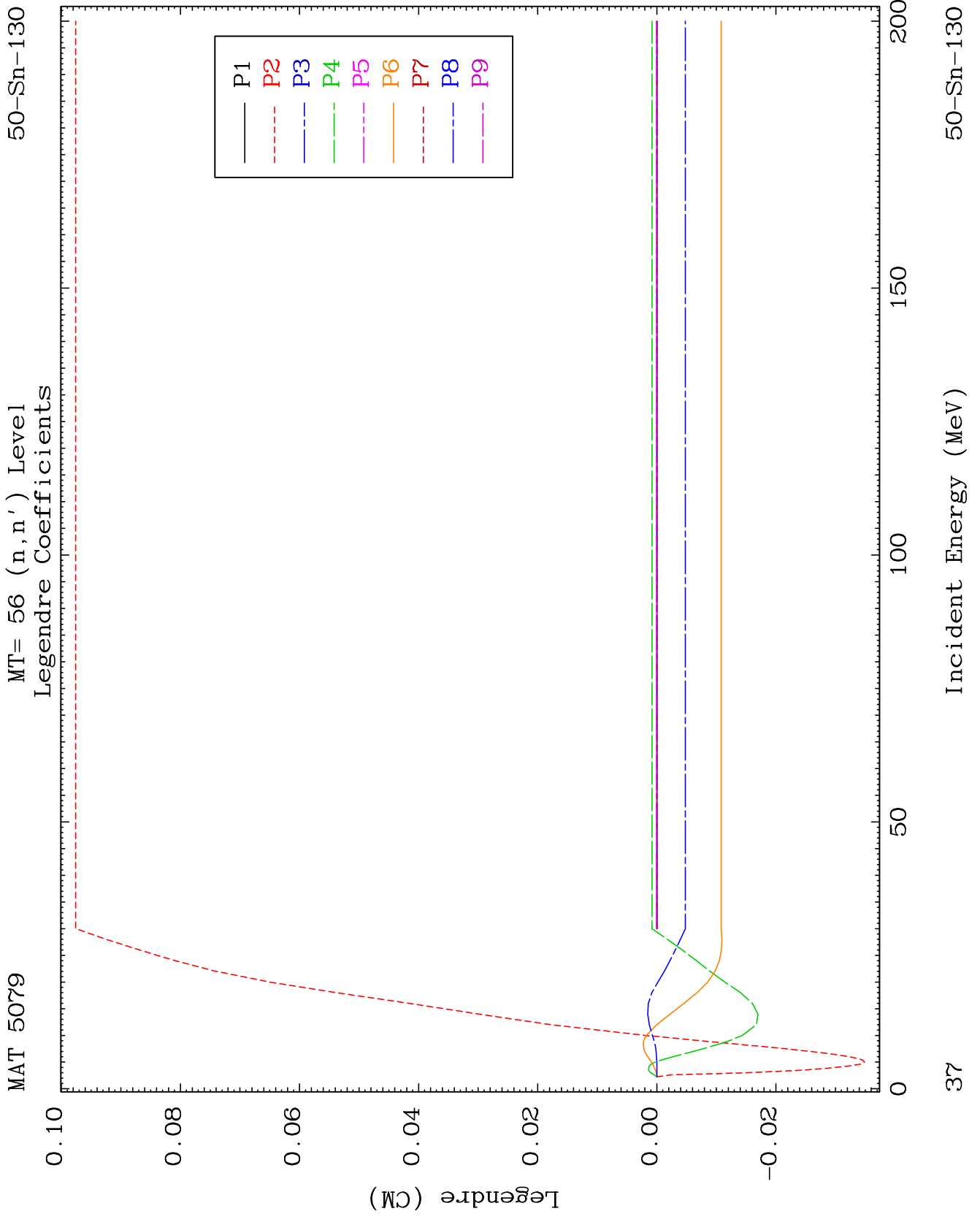
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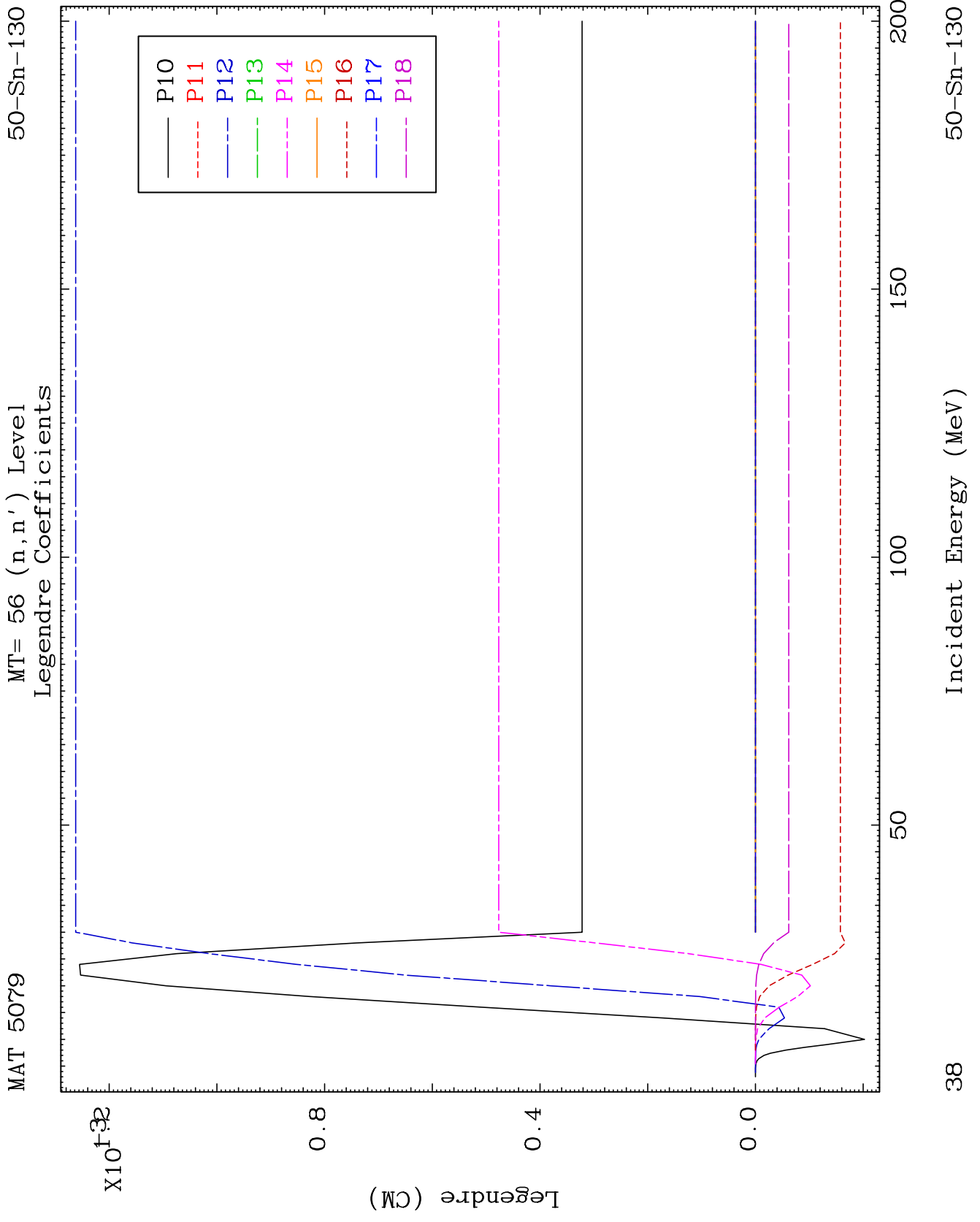
Incident Energy (MeV)

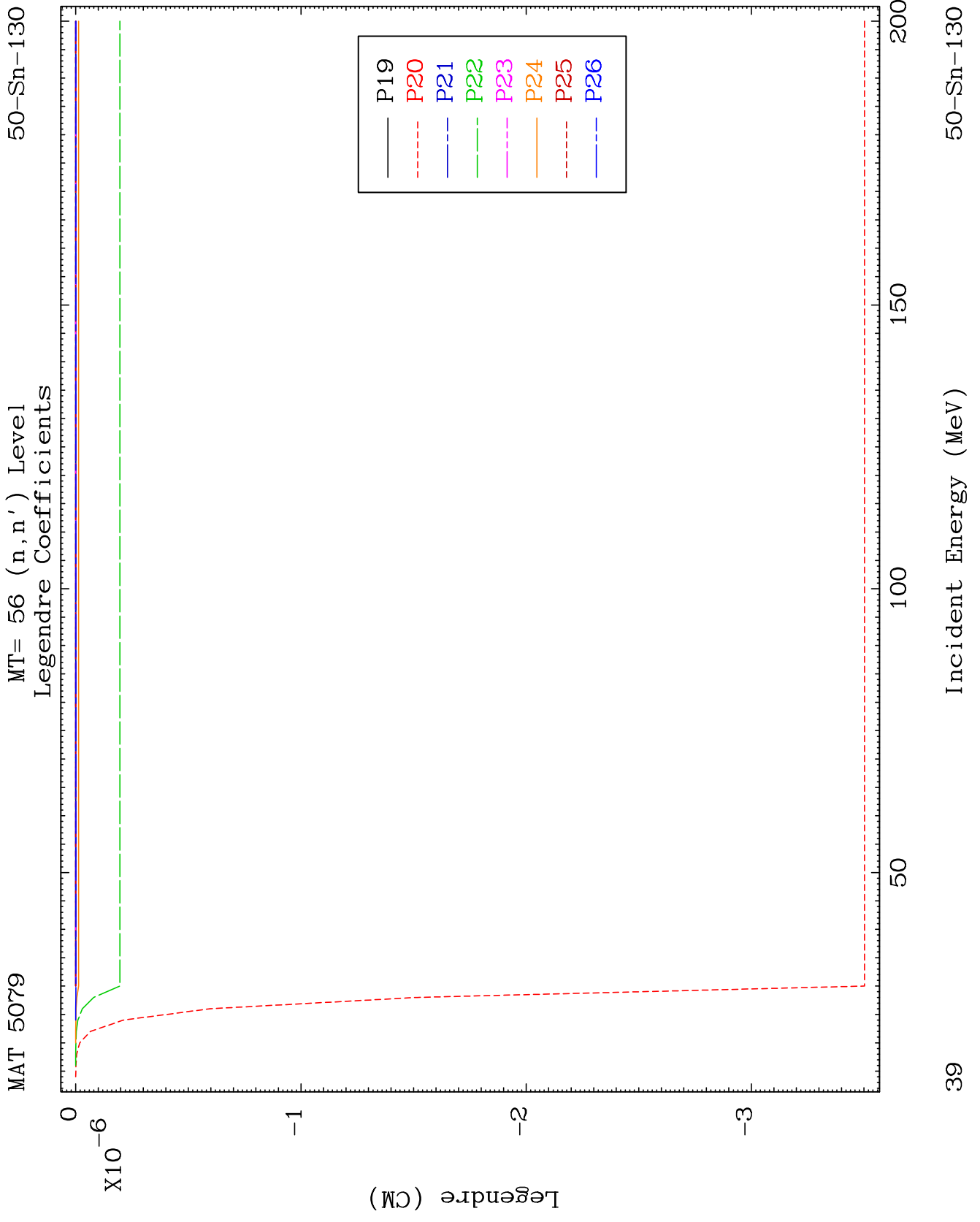
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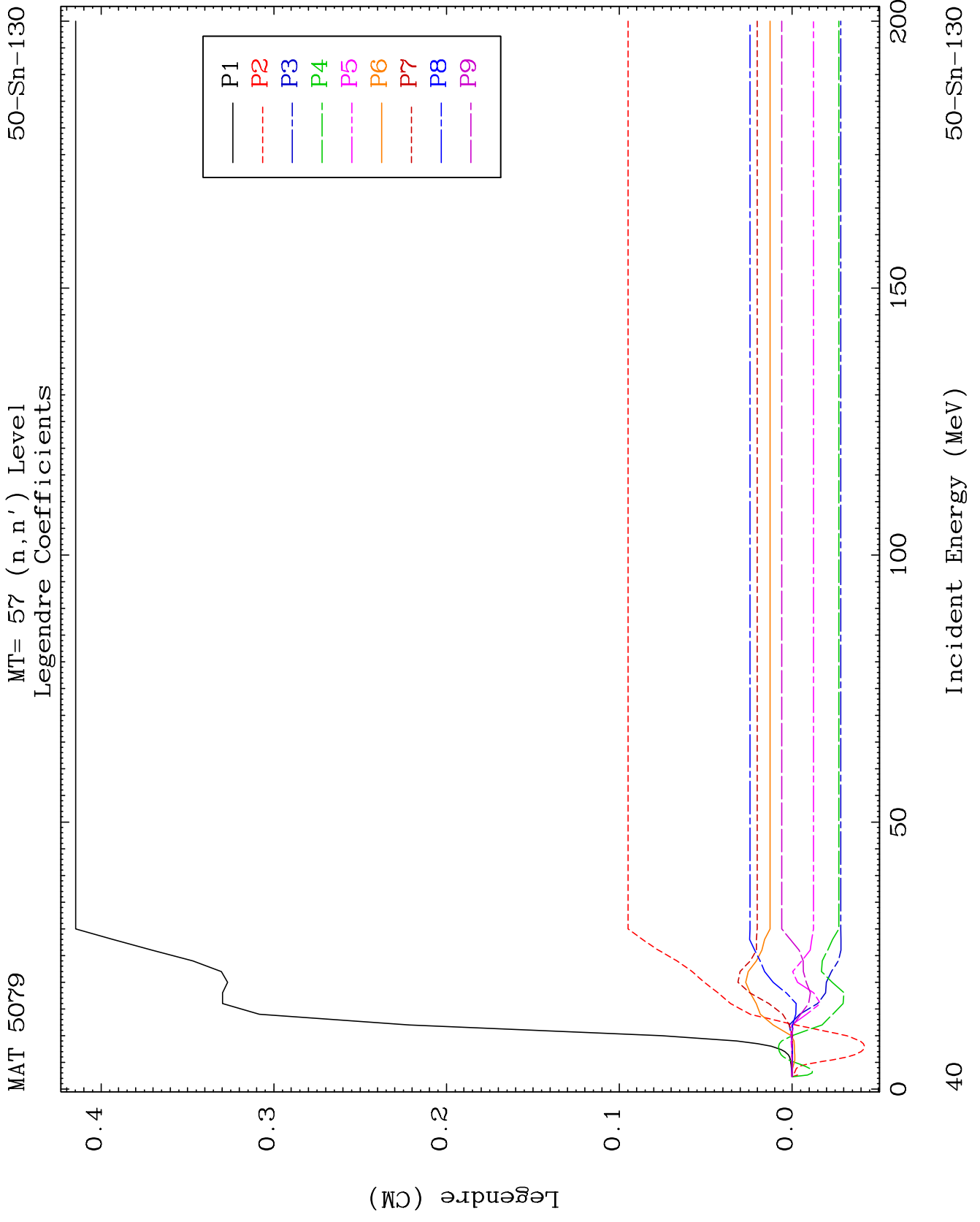


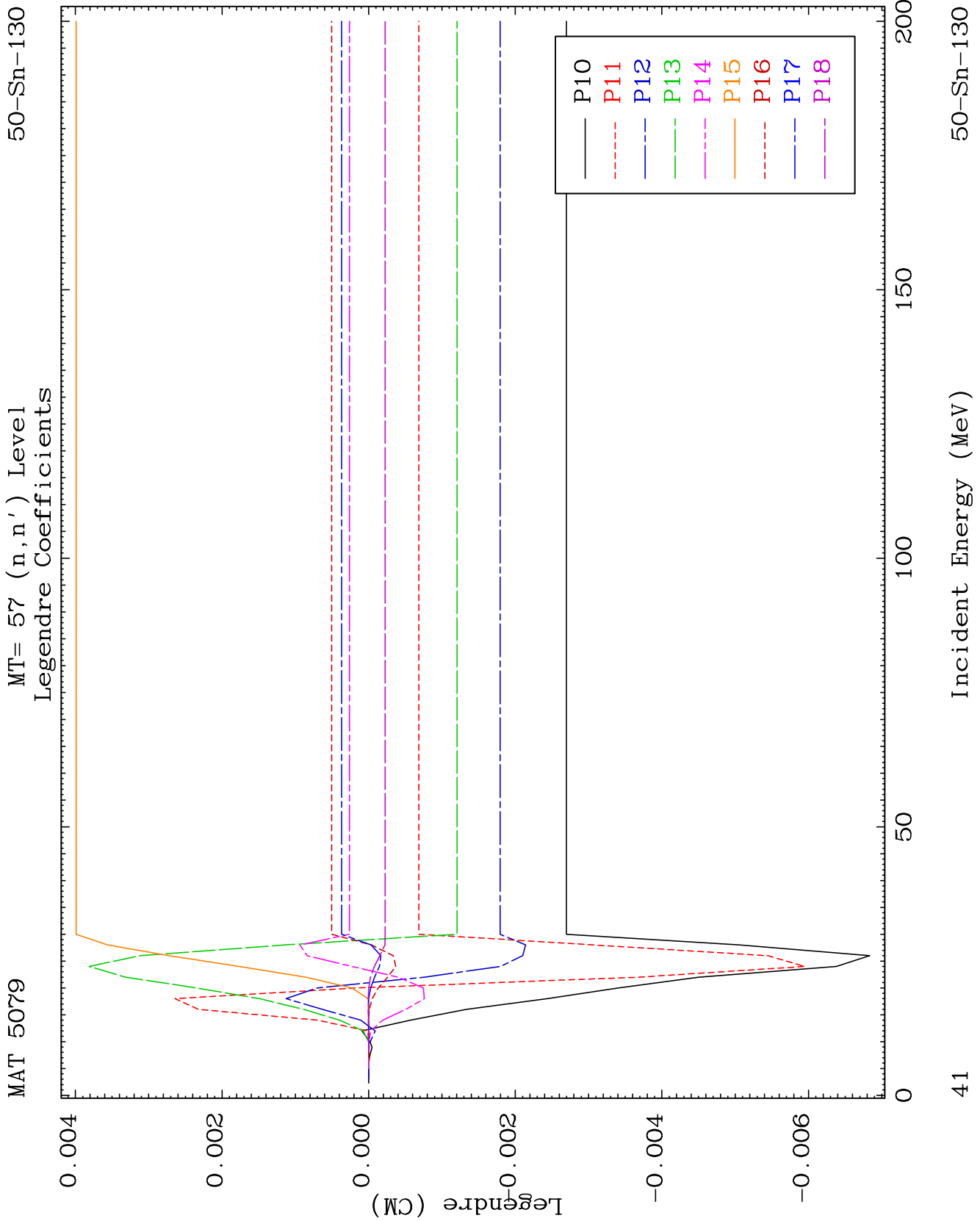


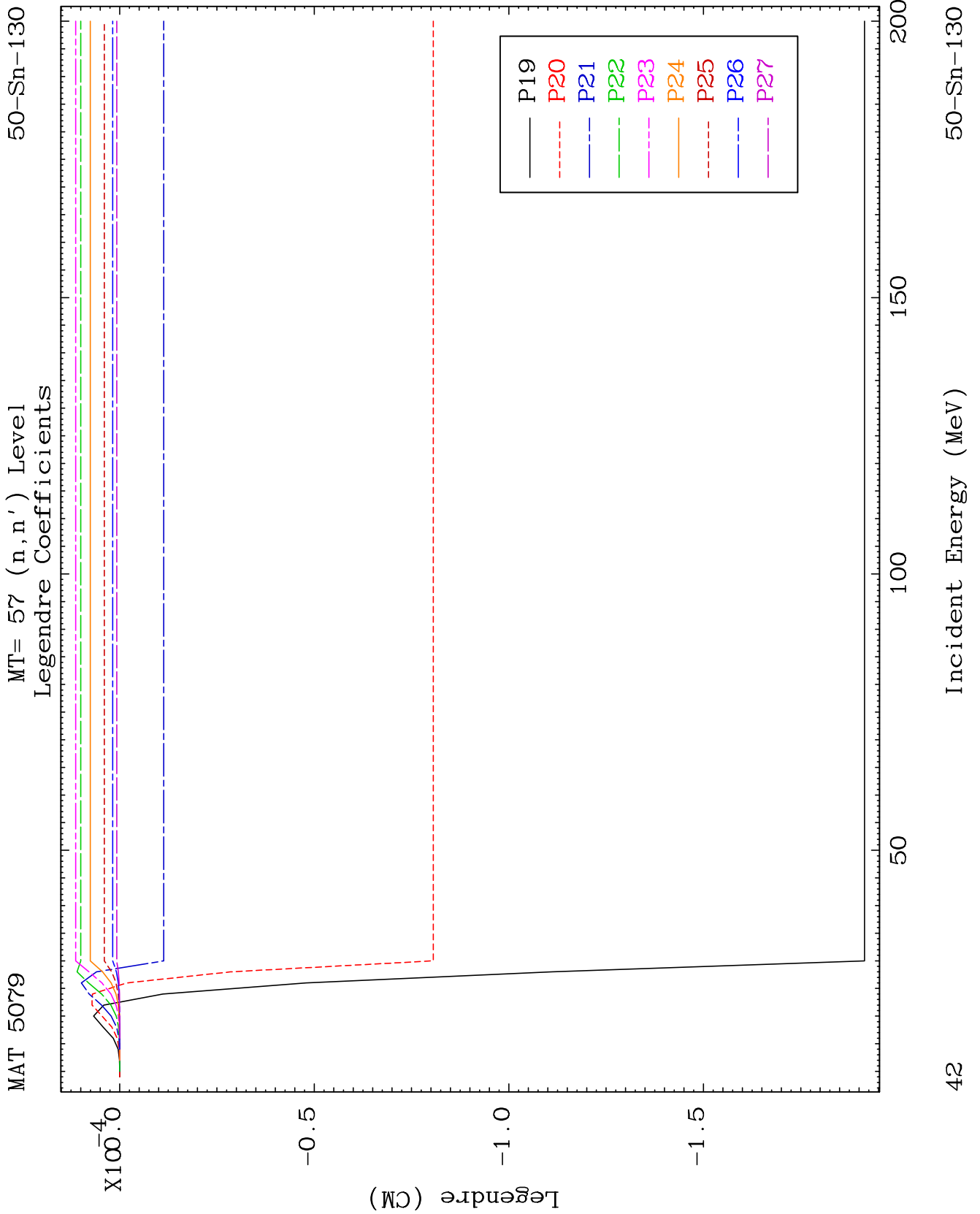








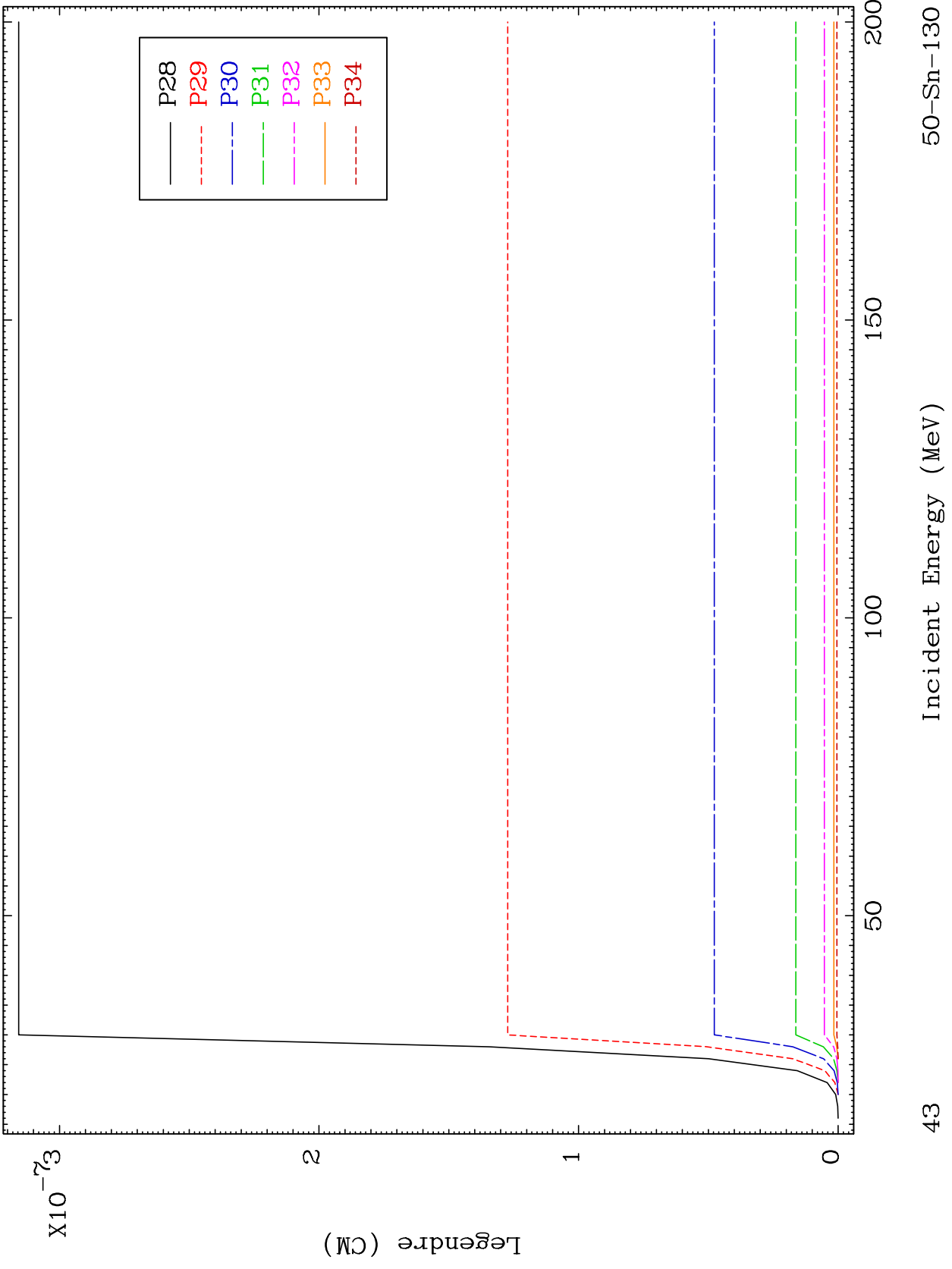




MAT 5079

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

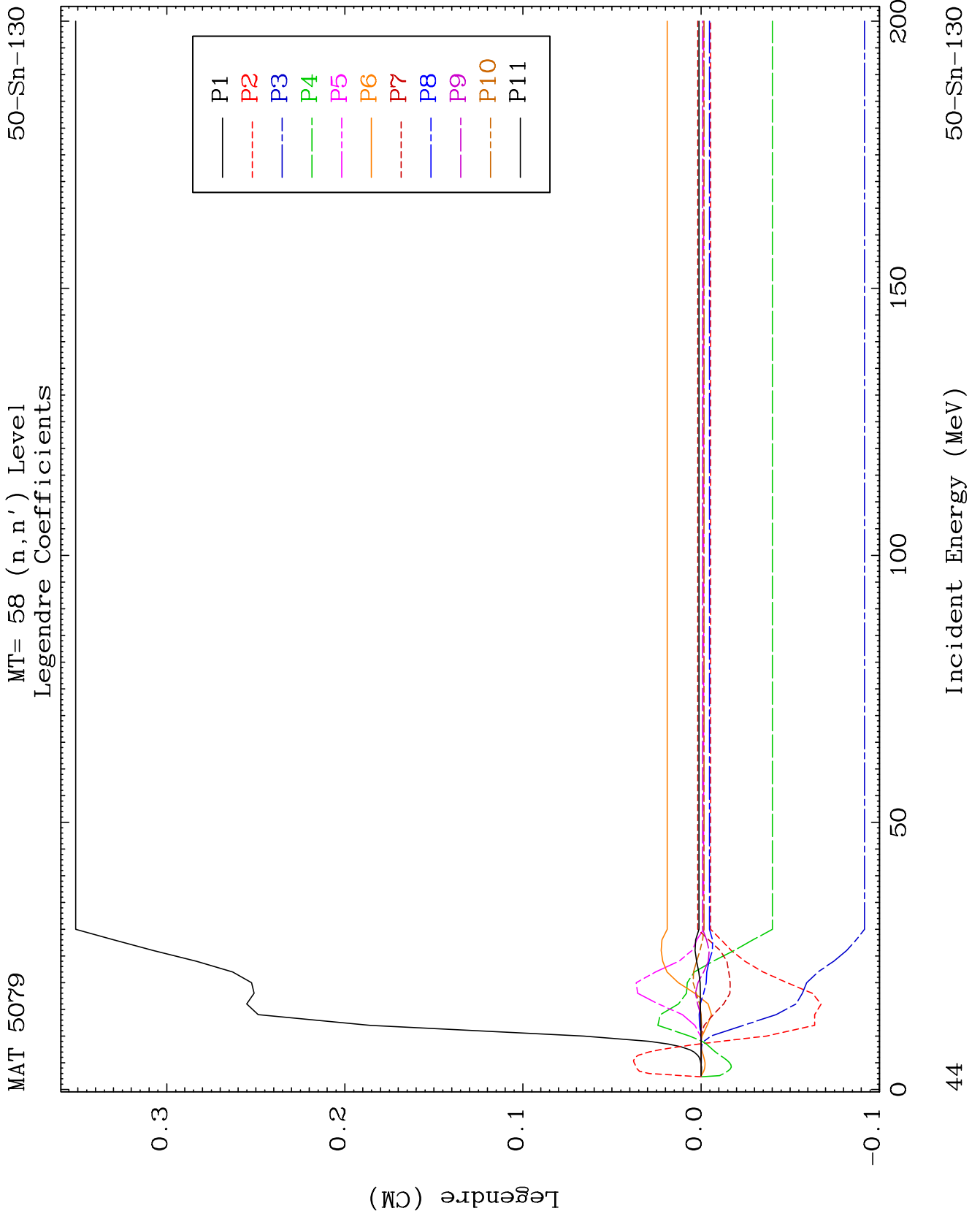
50-Sn-130



43

Incident Energy (MeV)

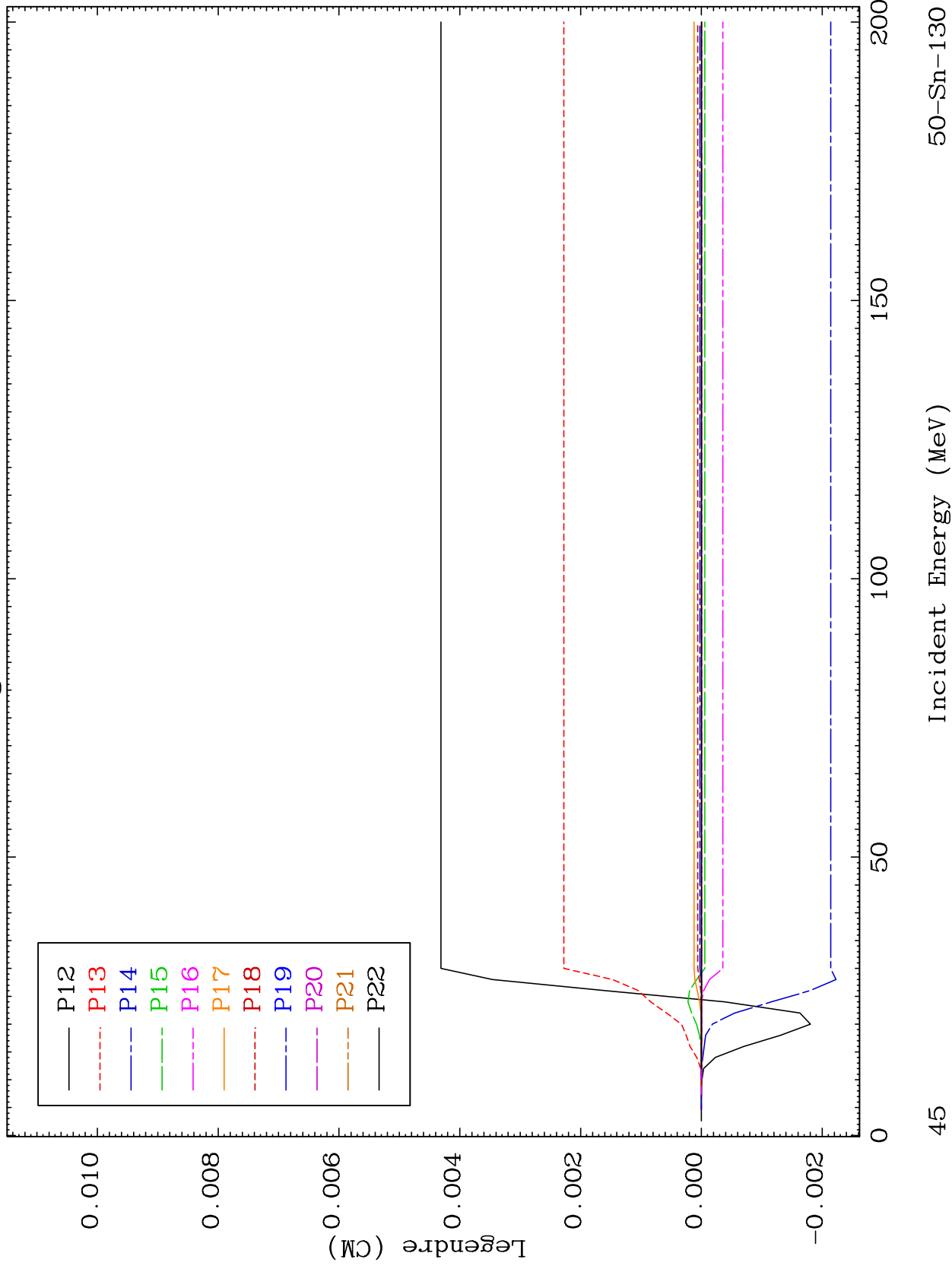
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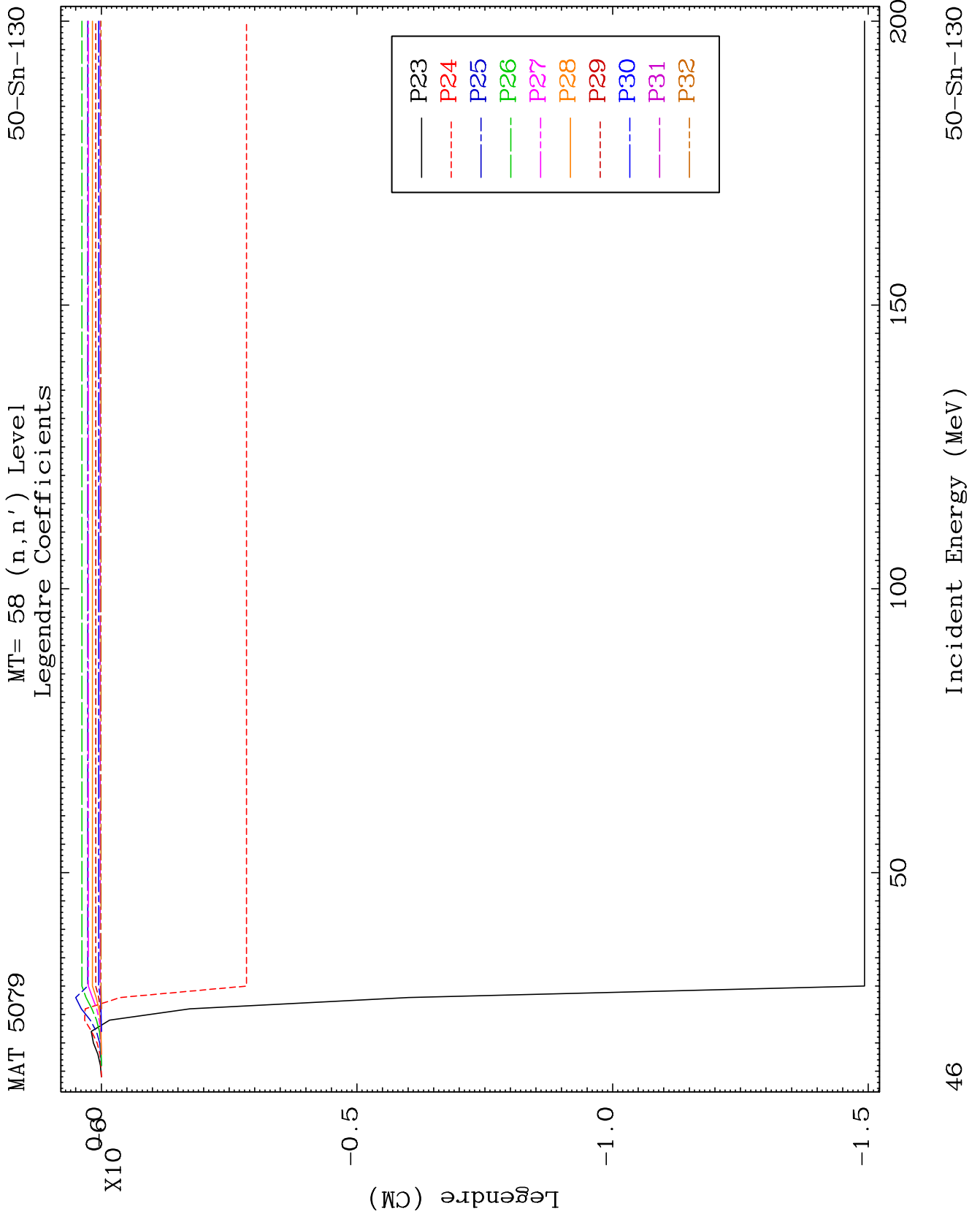


MAT 5079

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

50-Sn-130

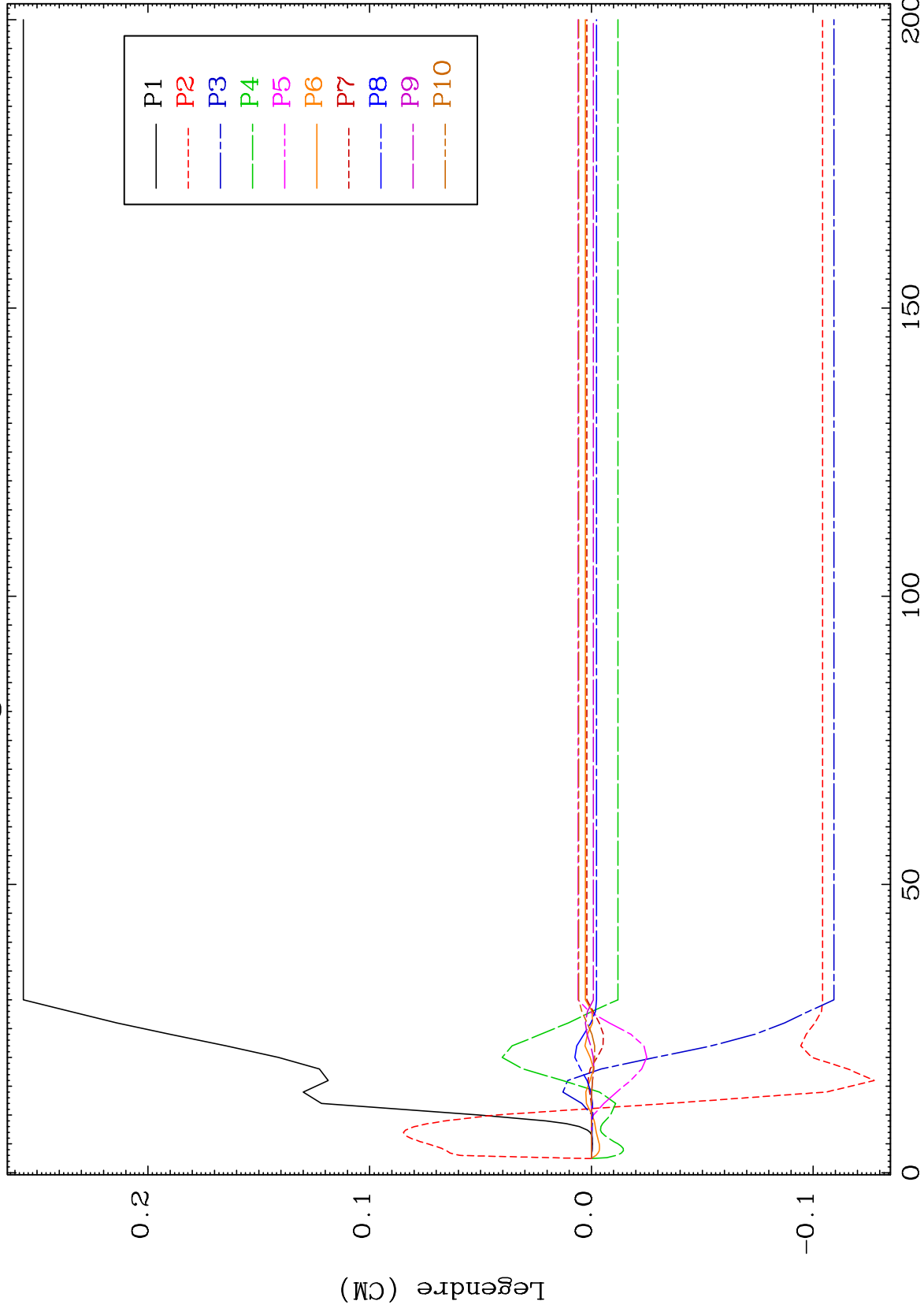




MAT 5079

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

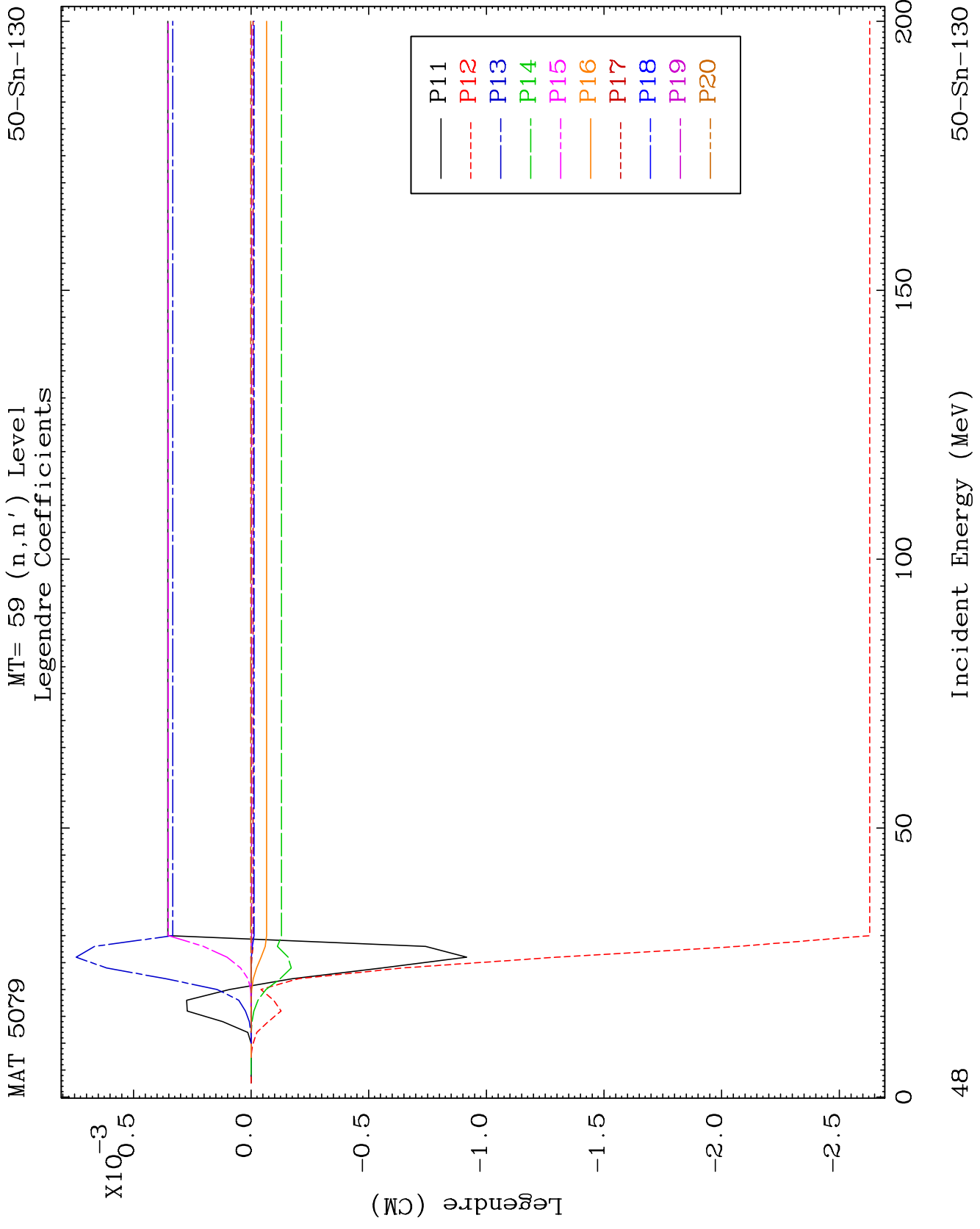
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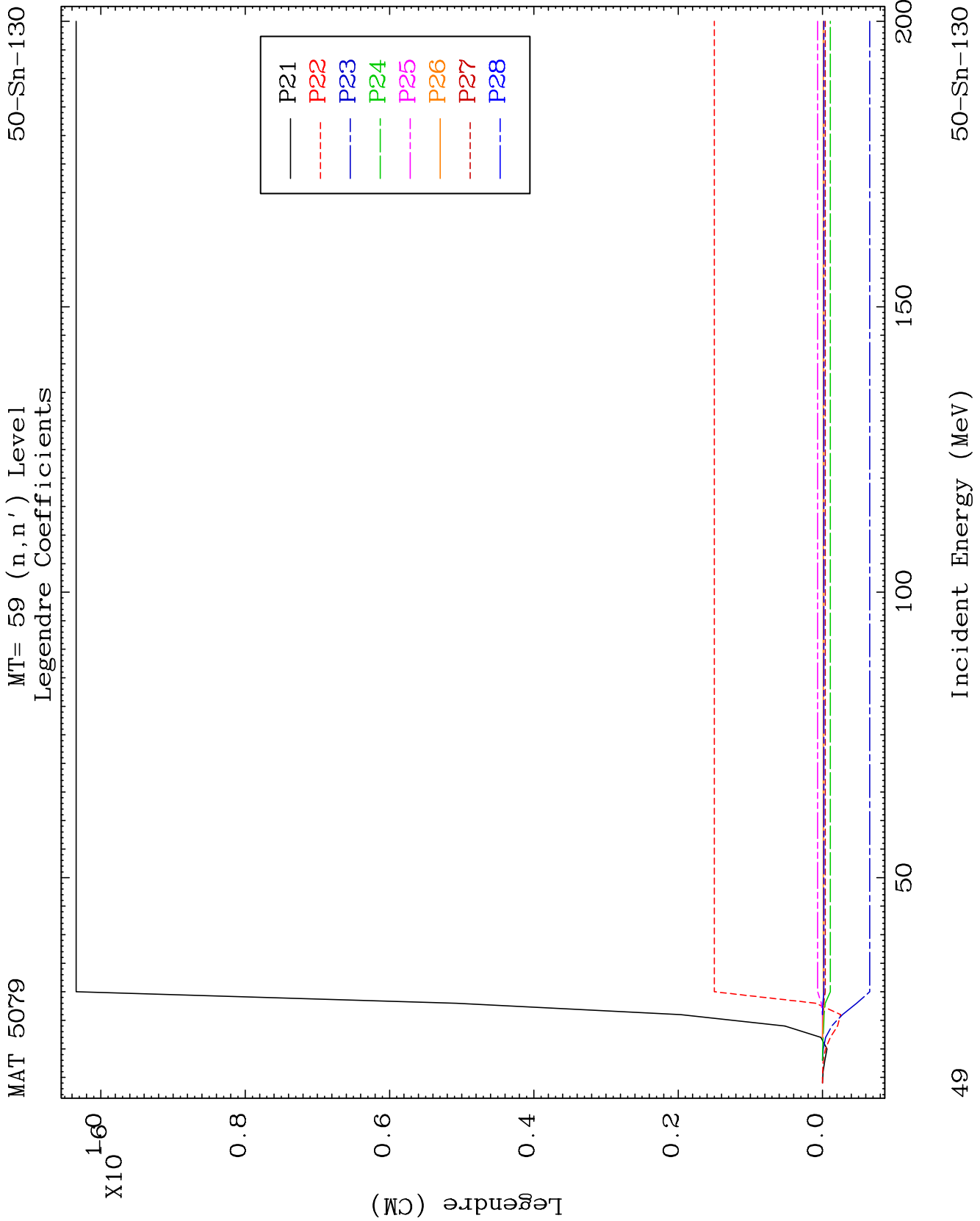


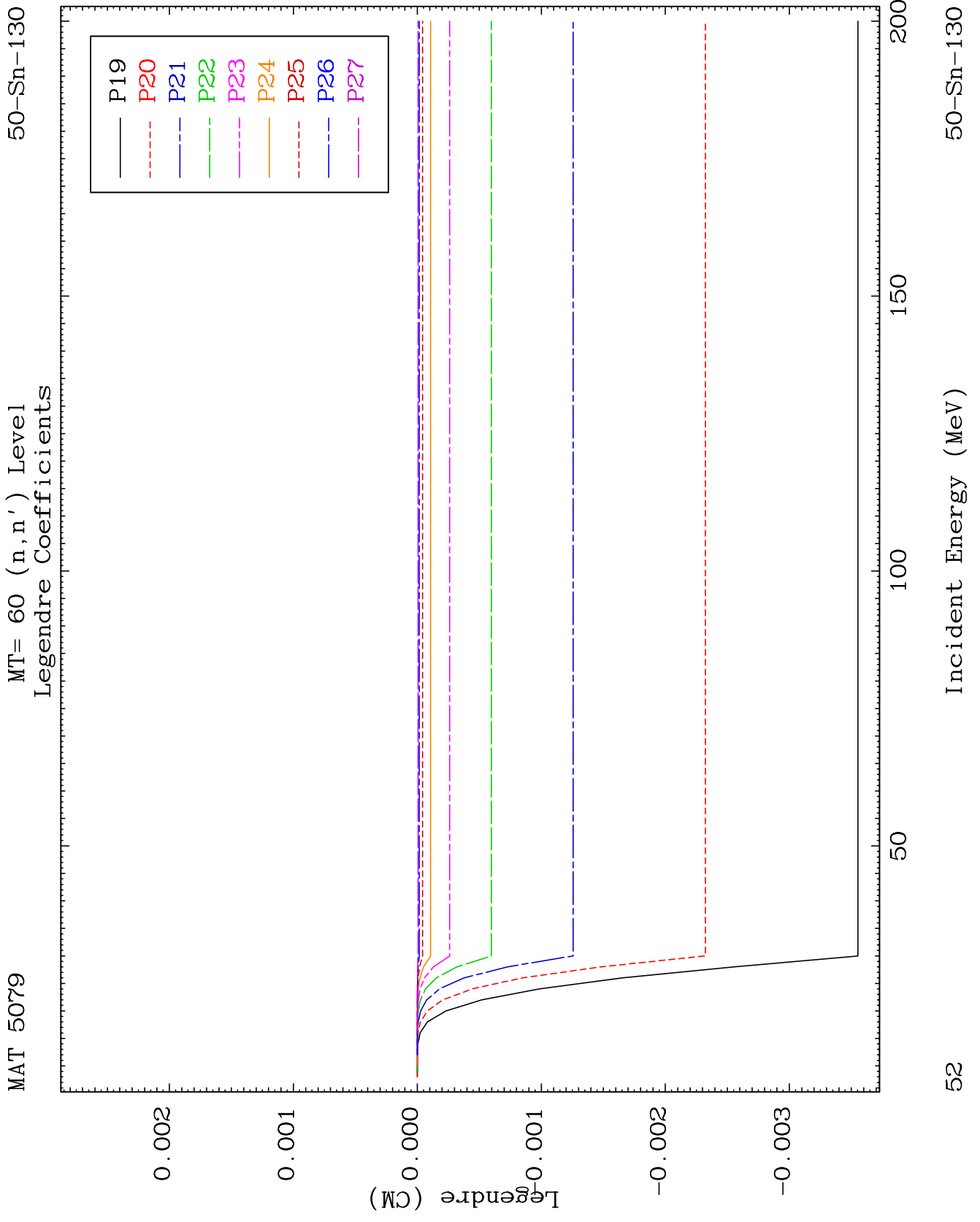
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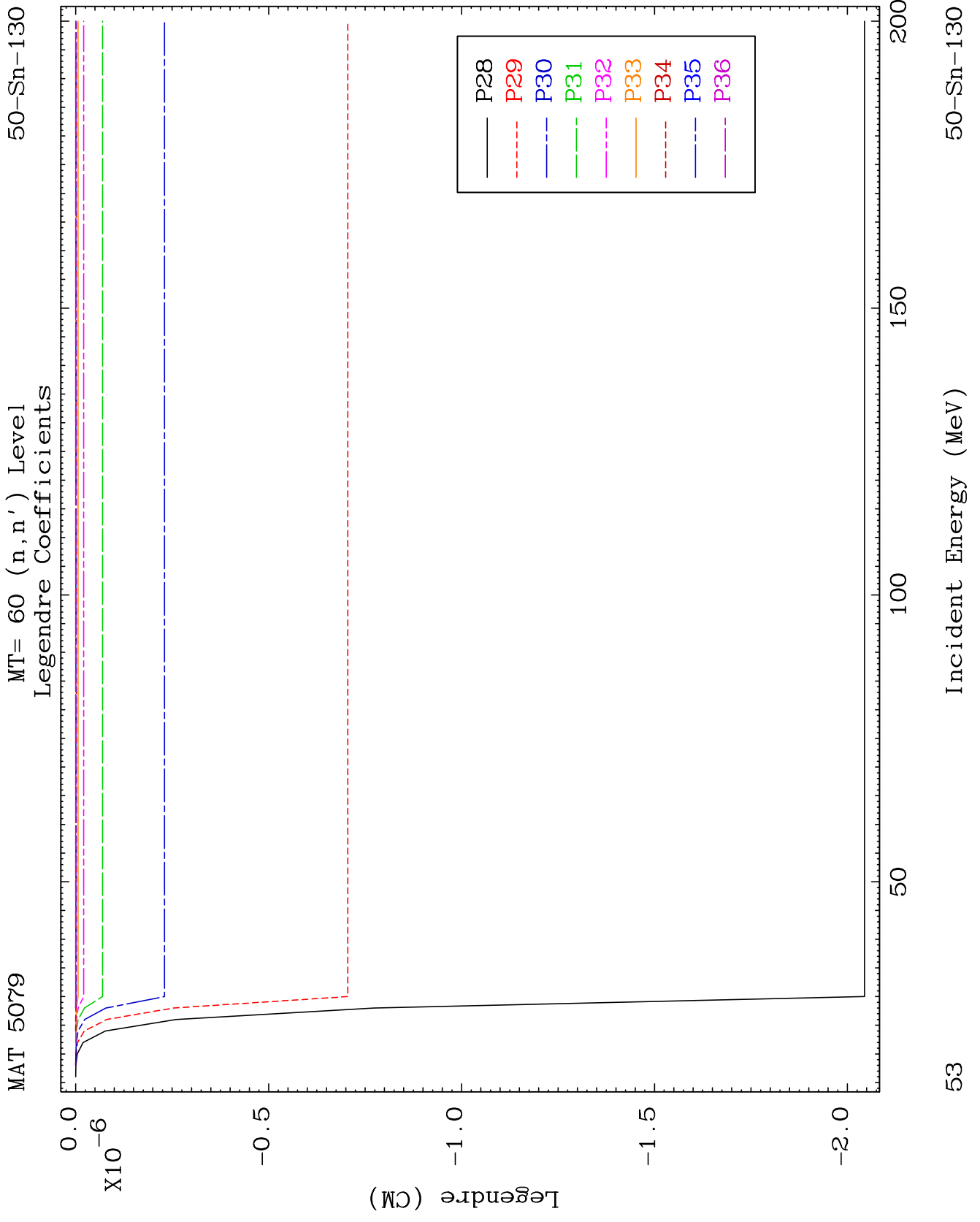
Incident Energy (MeV)

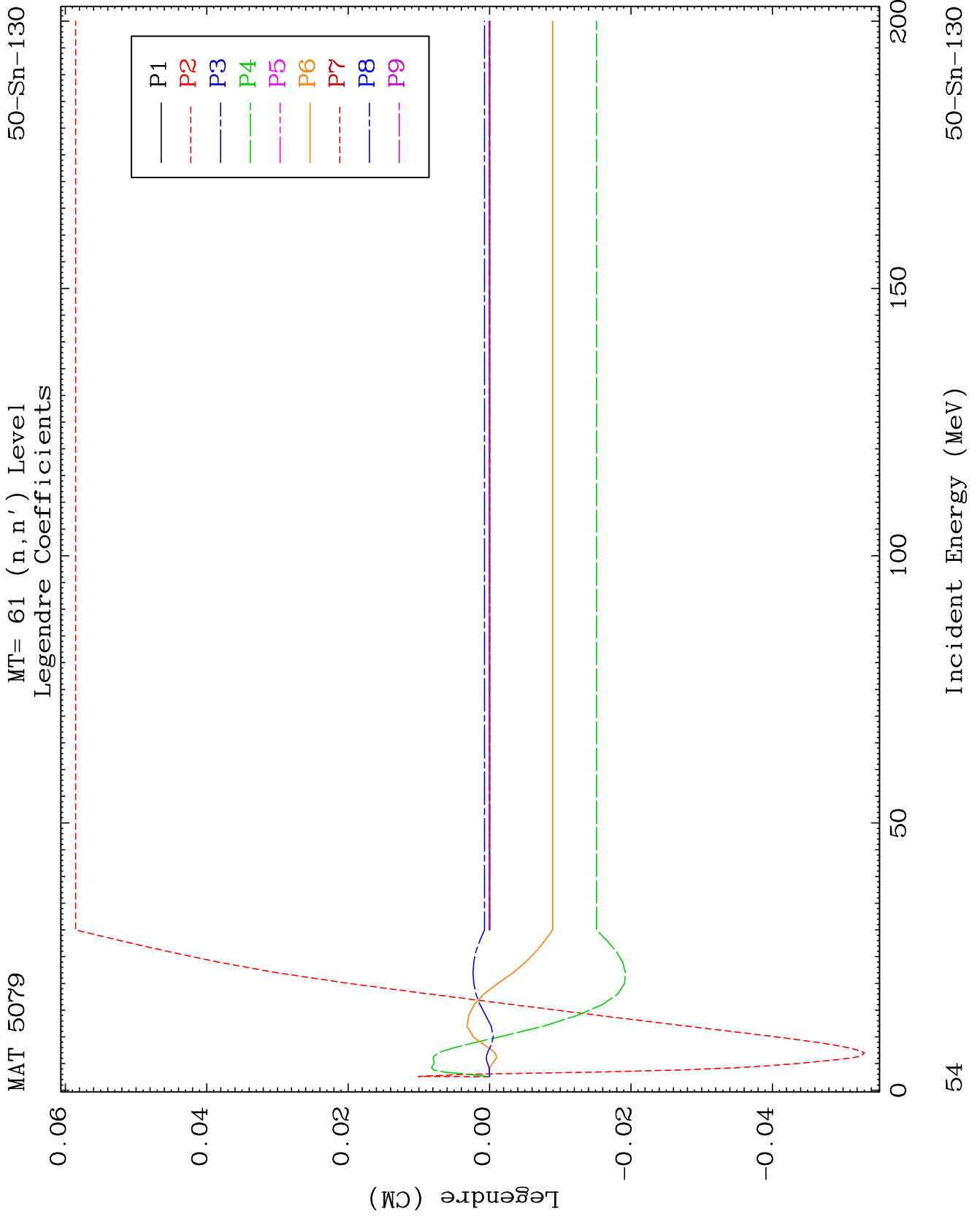
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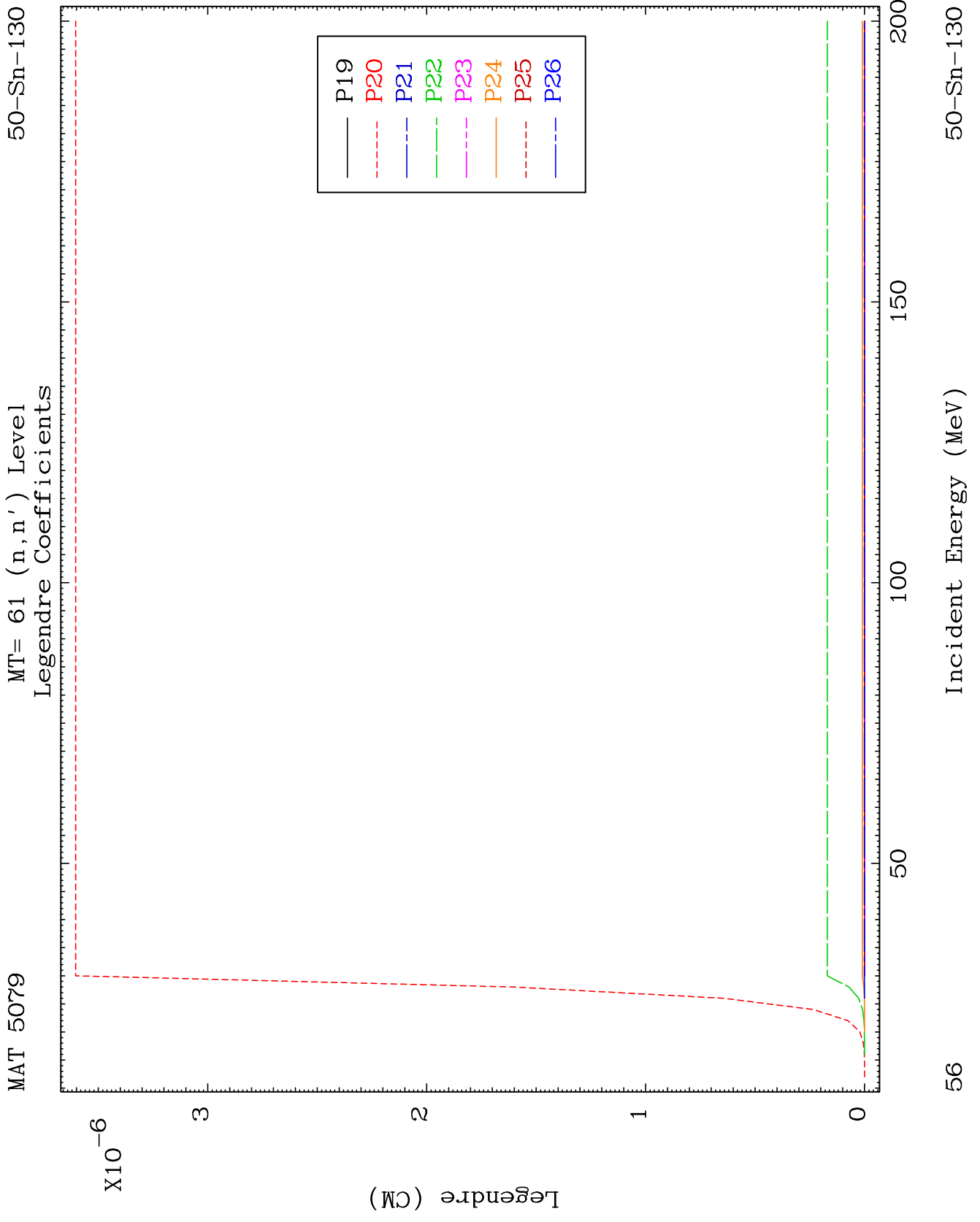








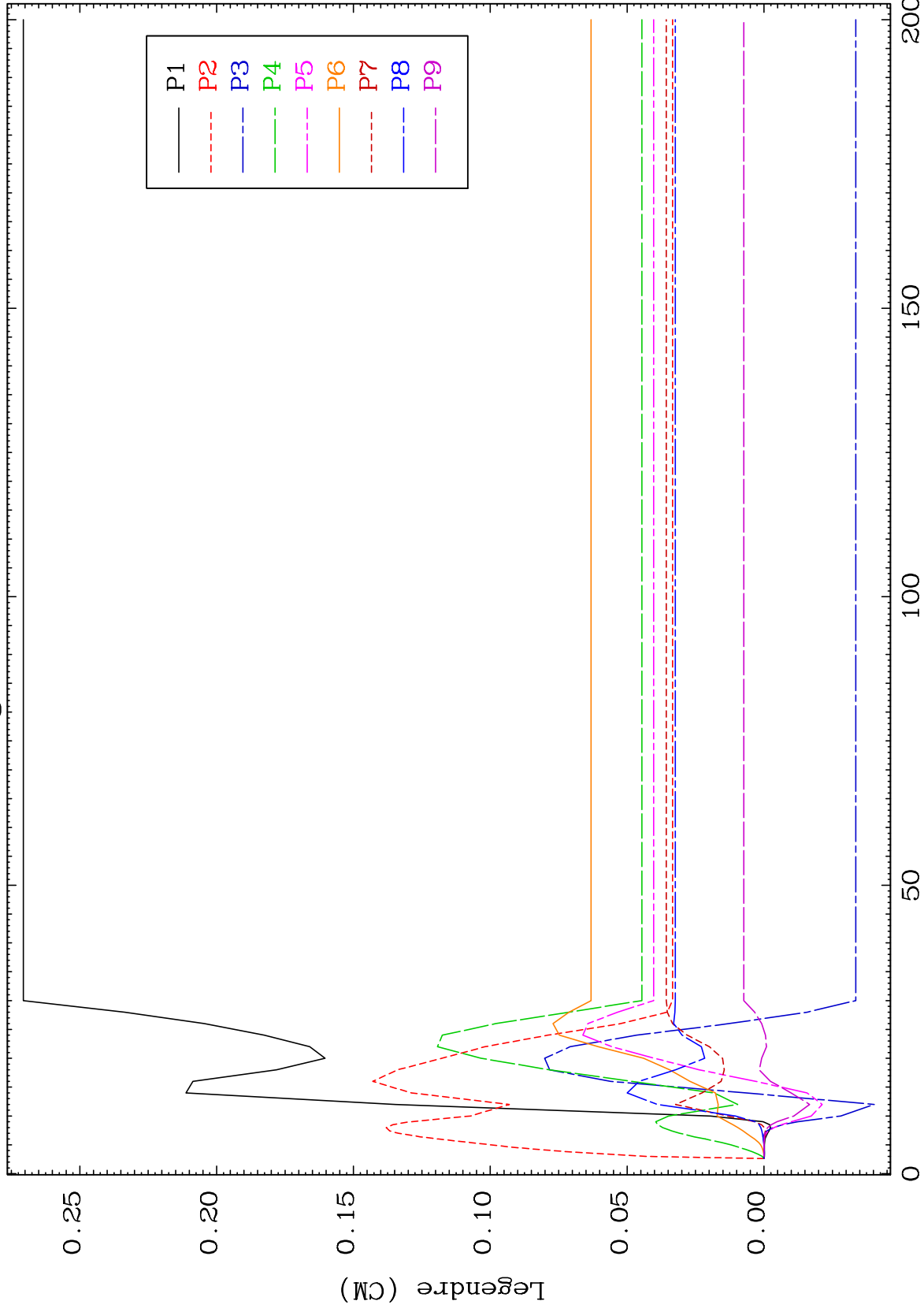




MAT 5079

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

50-Sn-130



57

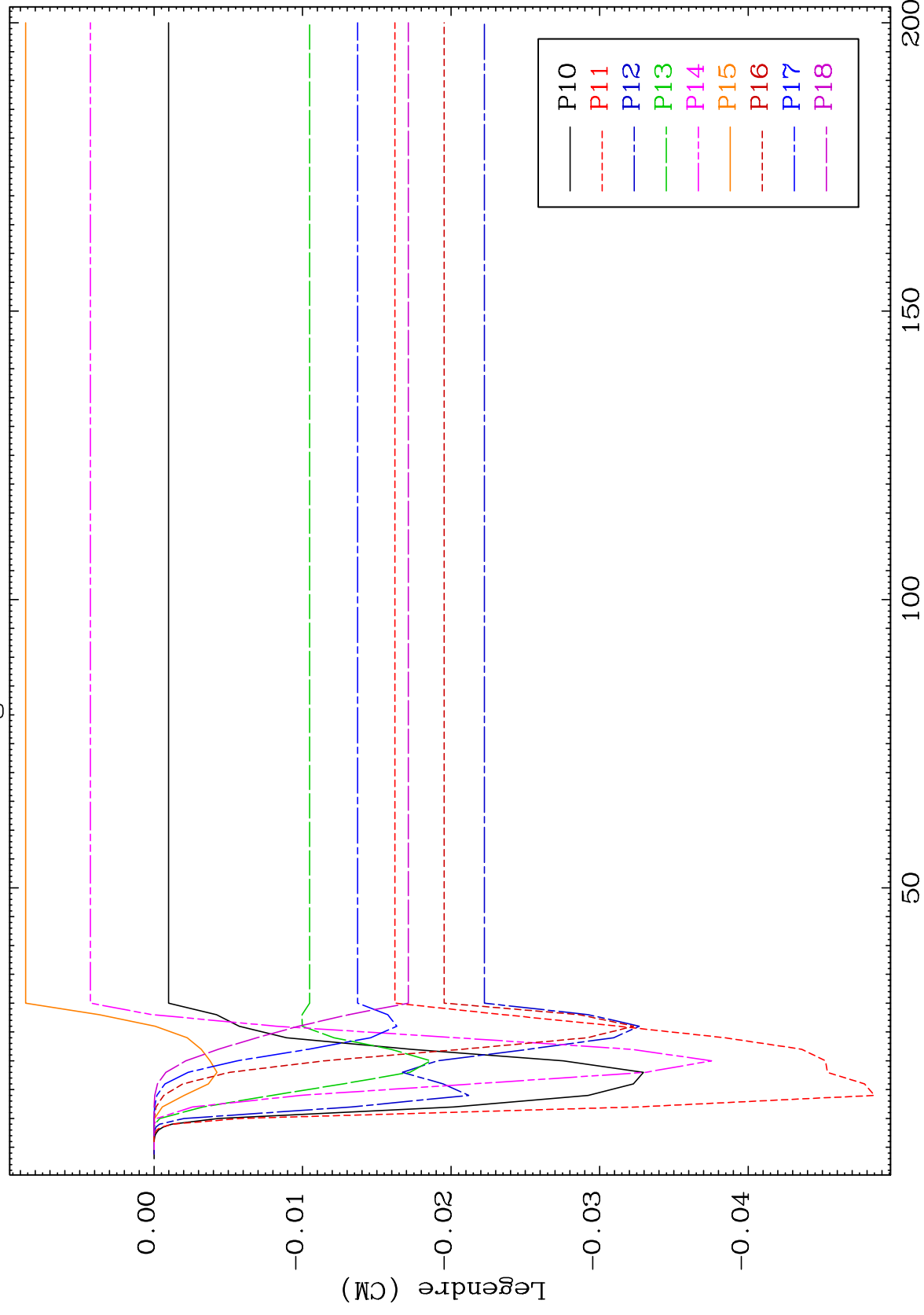
Incident Energy (MeV)

50-Sn-130

MAT 5079

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

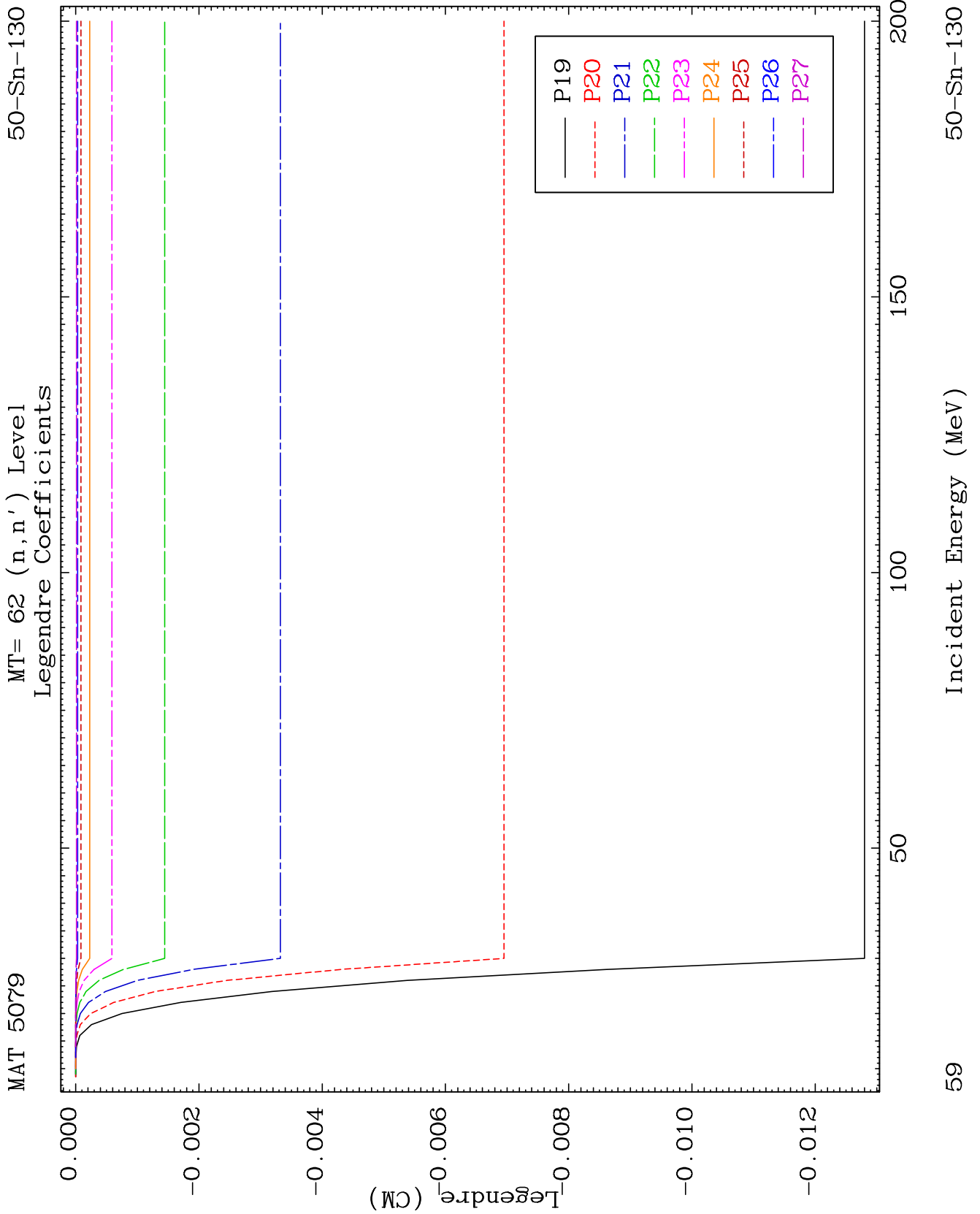
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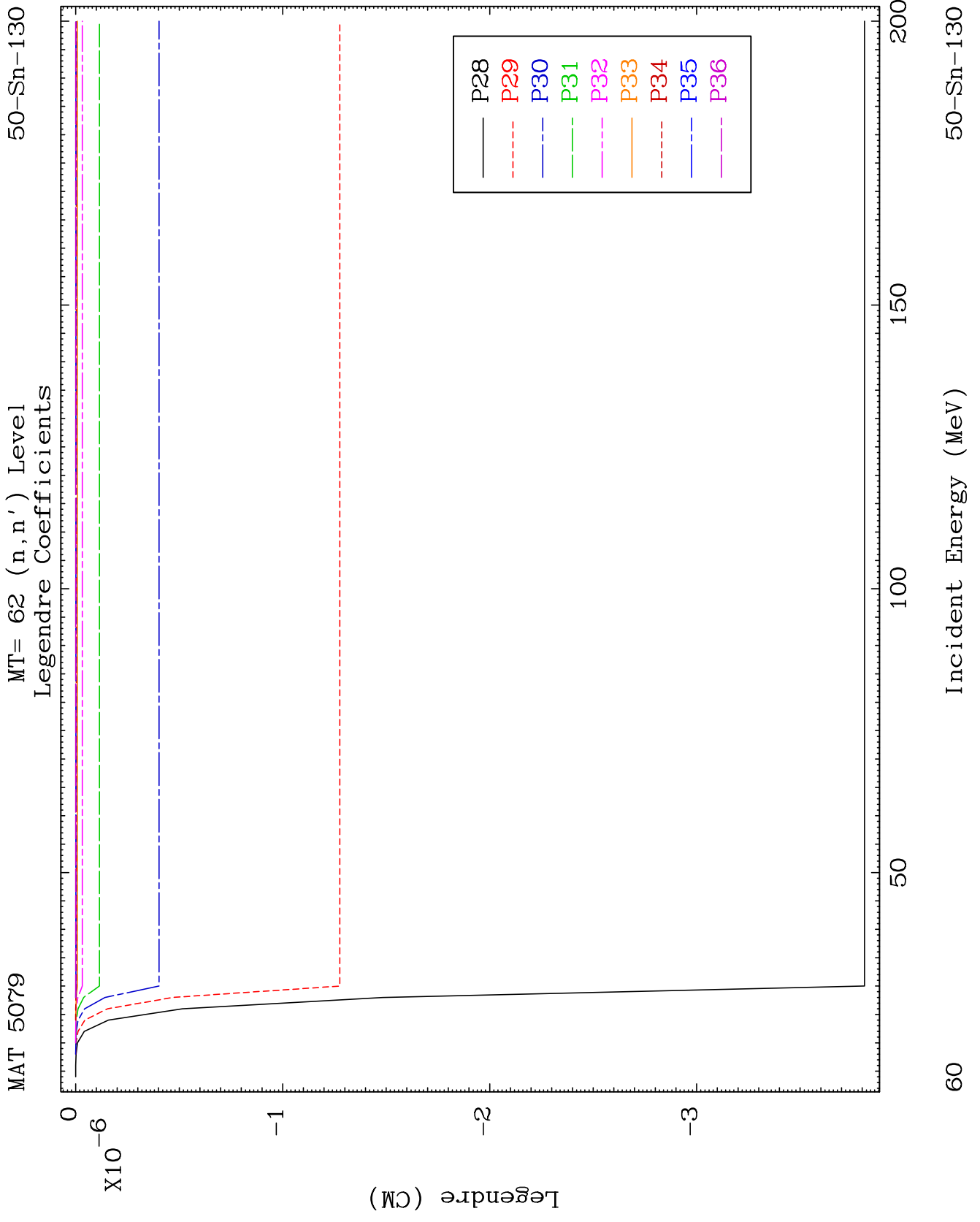


58

Incident Energy (MeV)

50-Sn-130

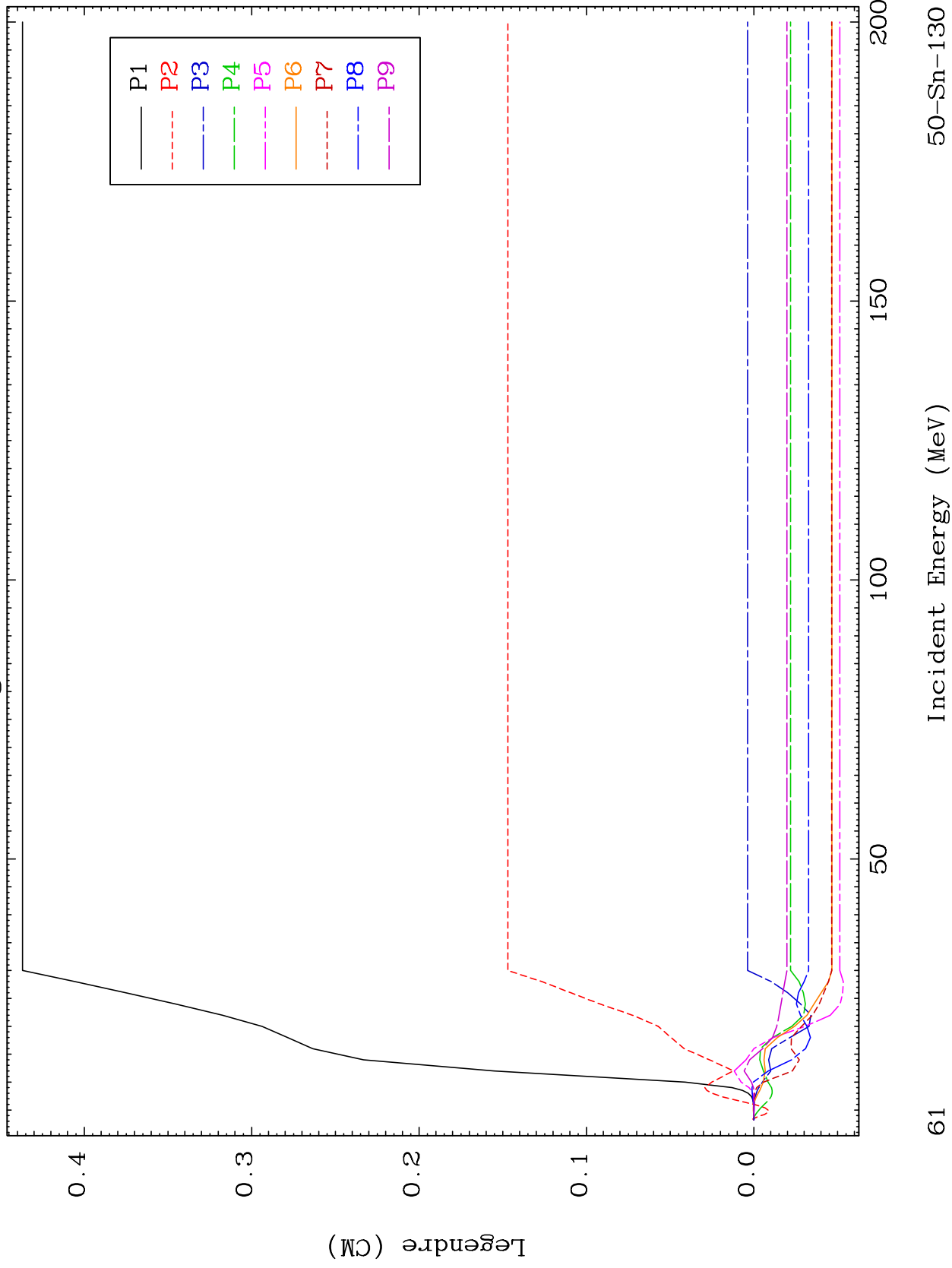




MAT 5079

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

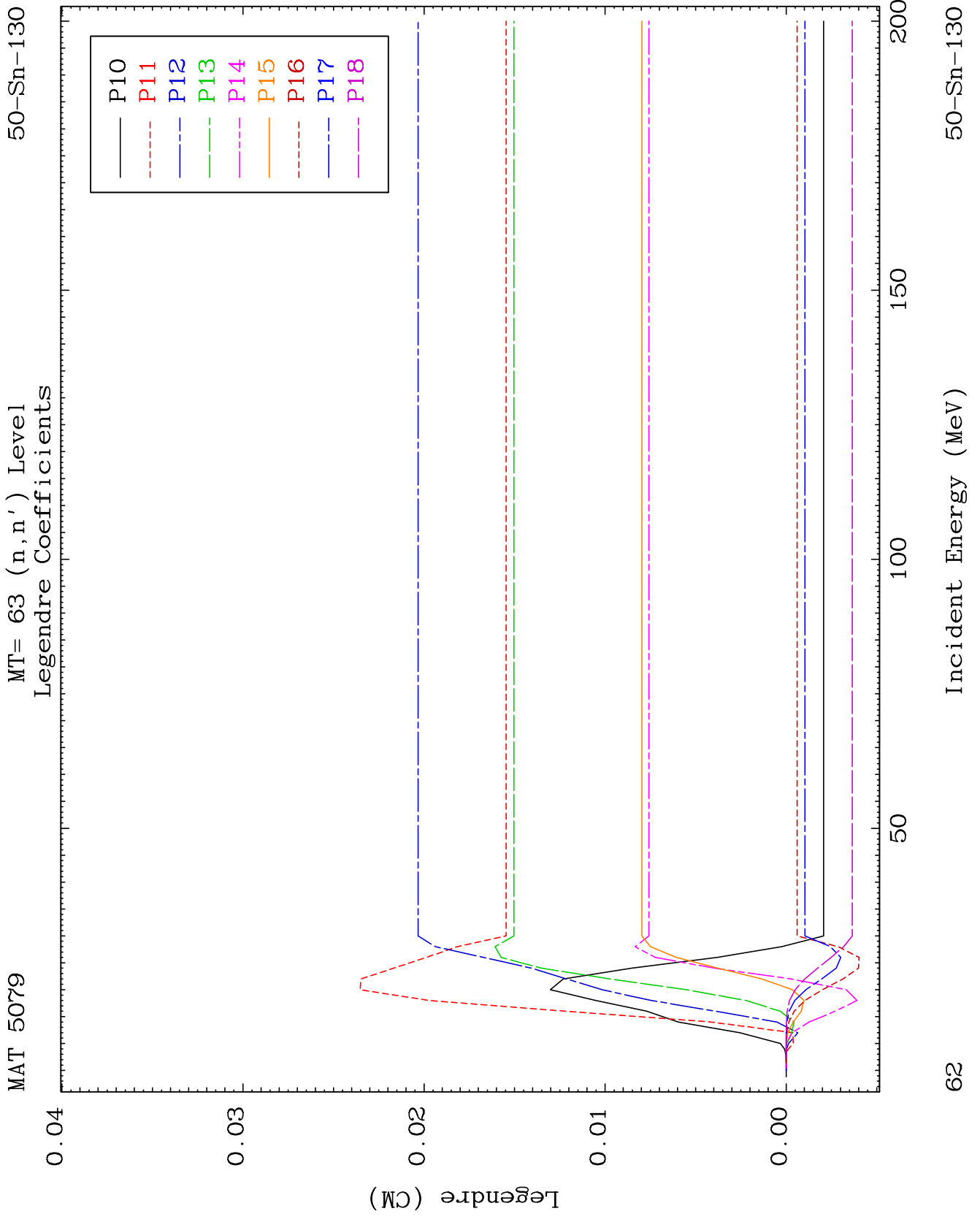
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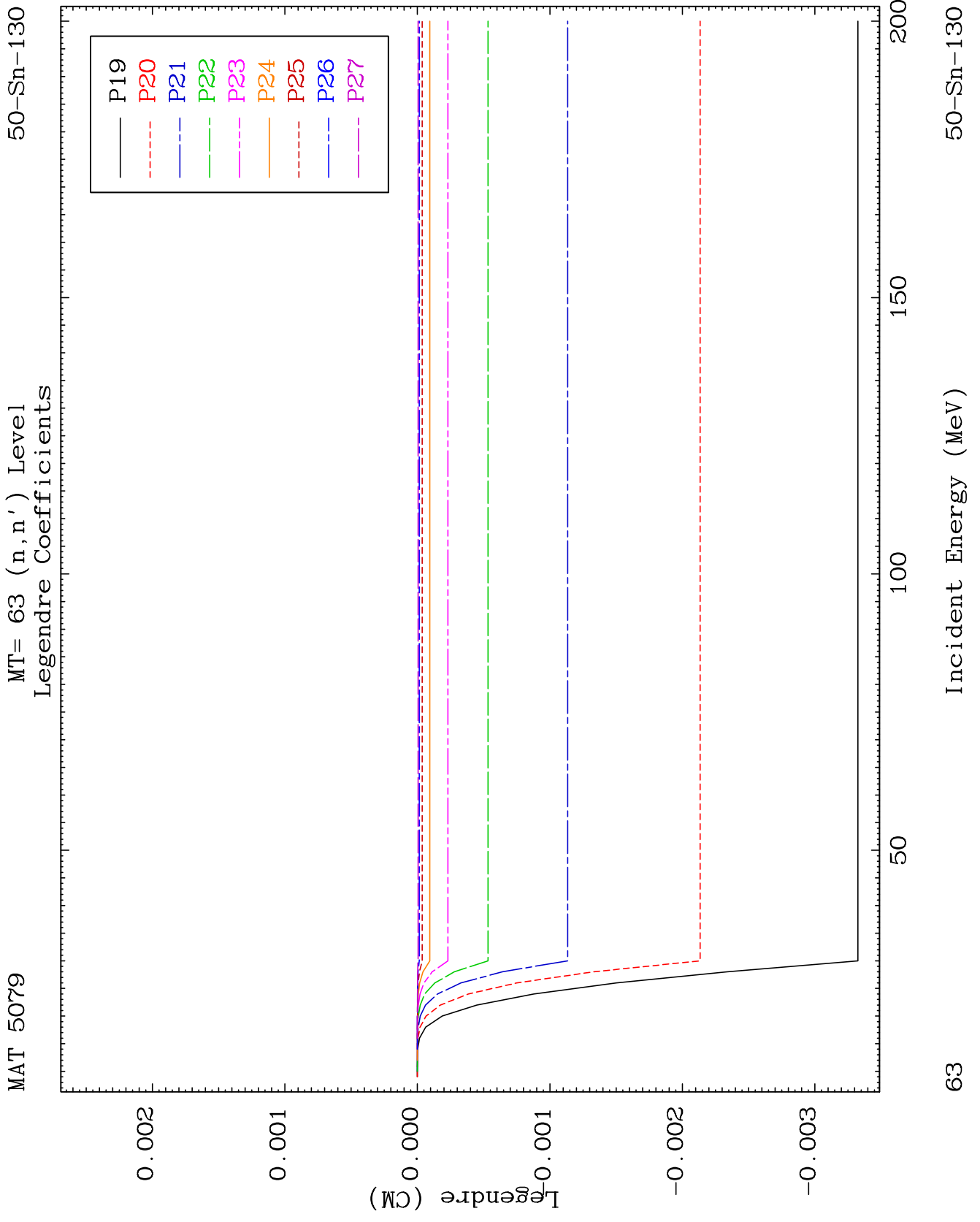


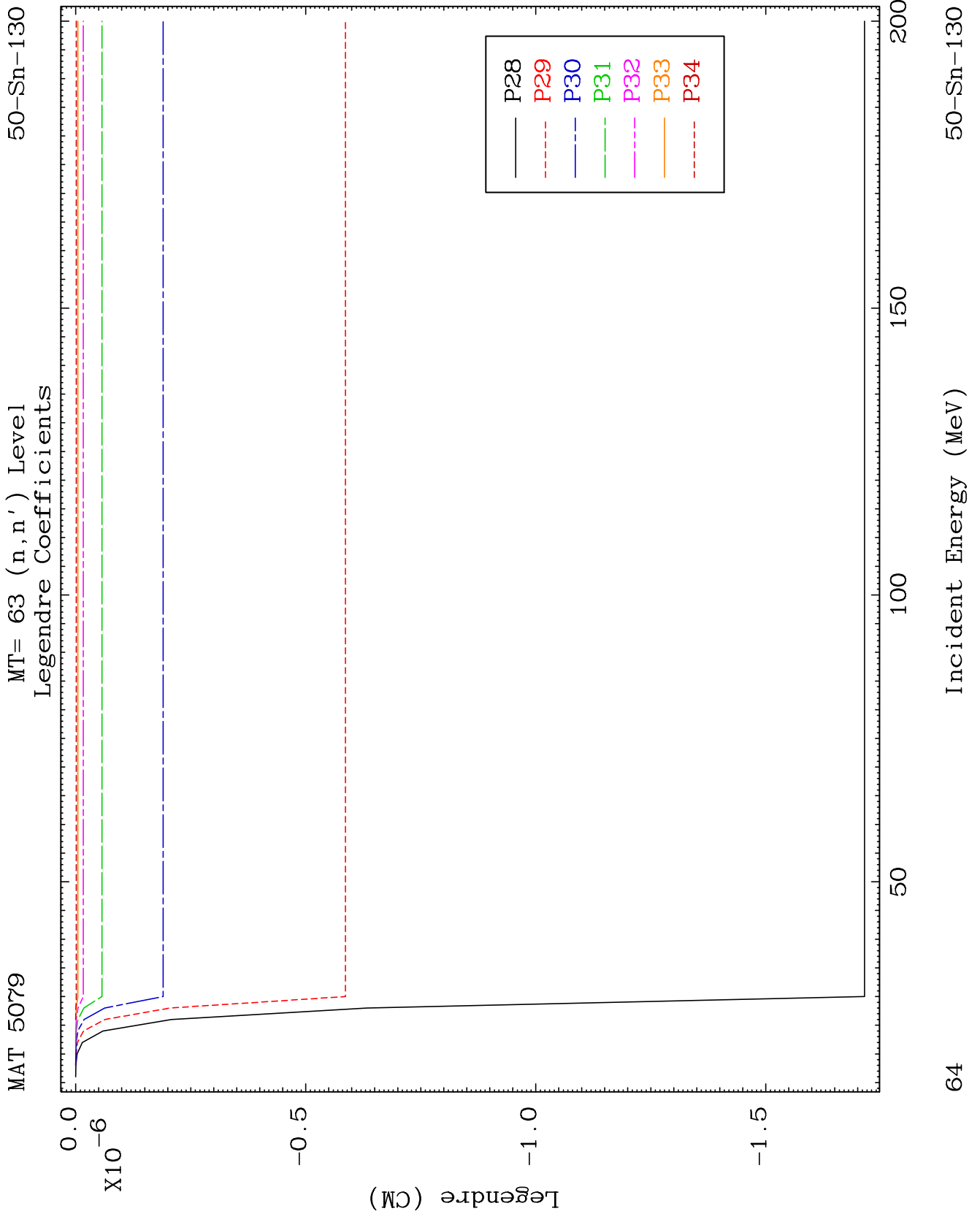
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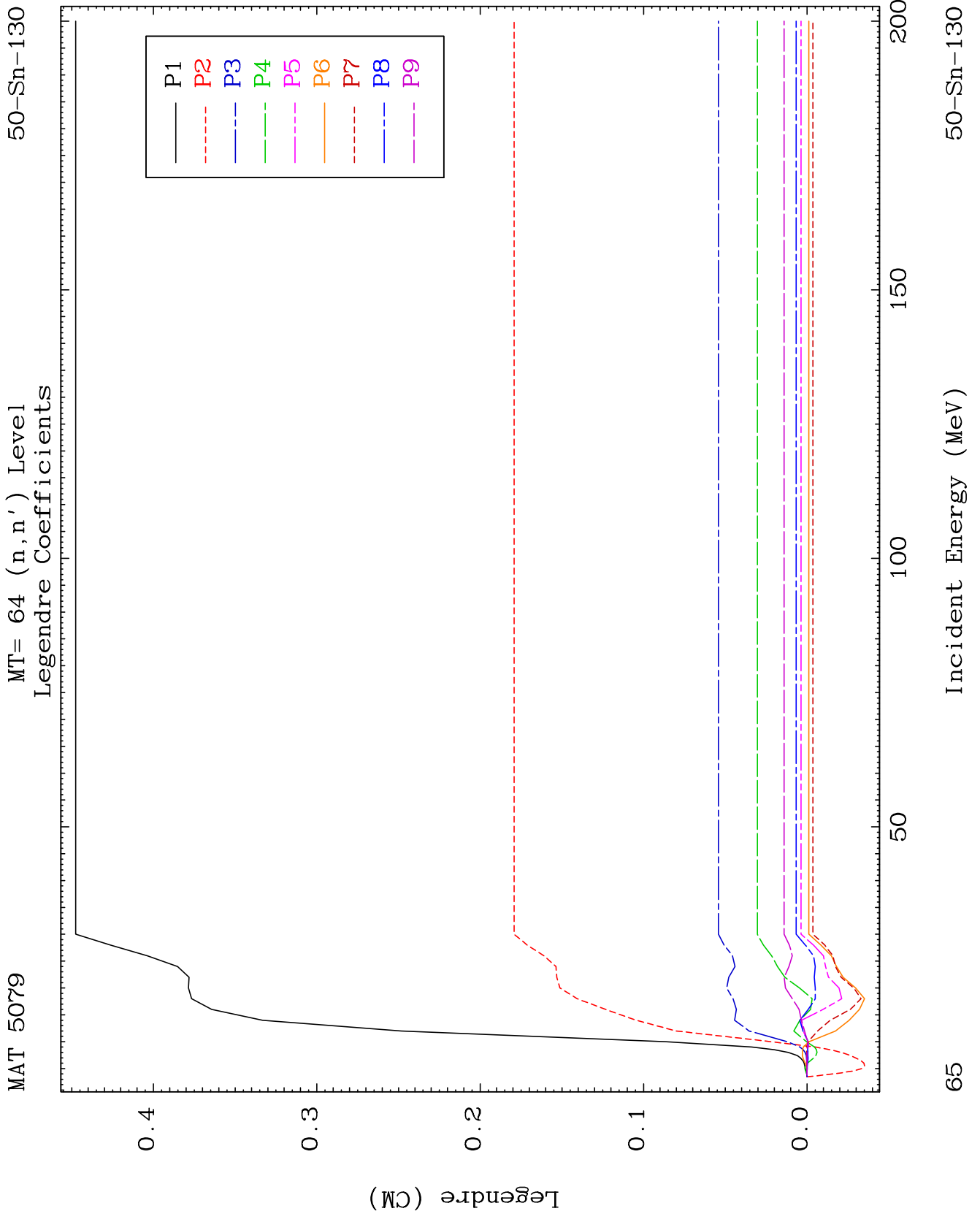
Incident Energy (MeV)

50-Sn-130





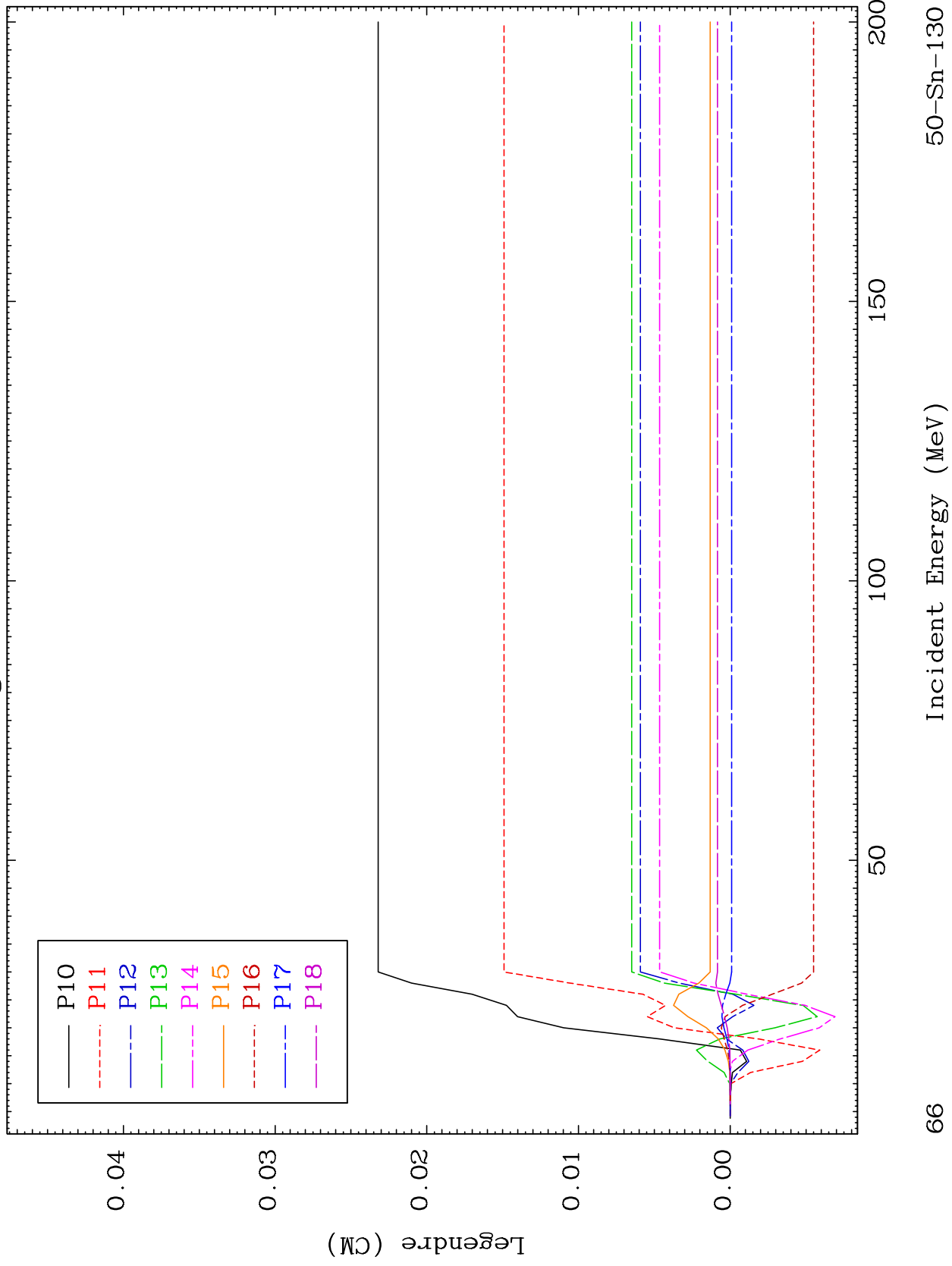




MAT 5079

50-Sn-130

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

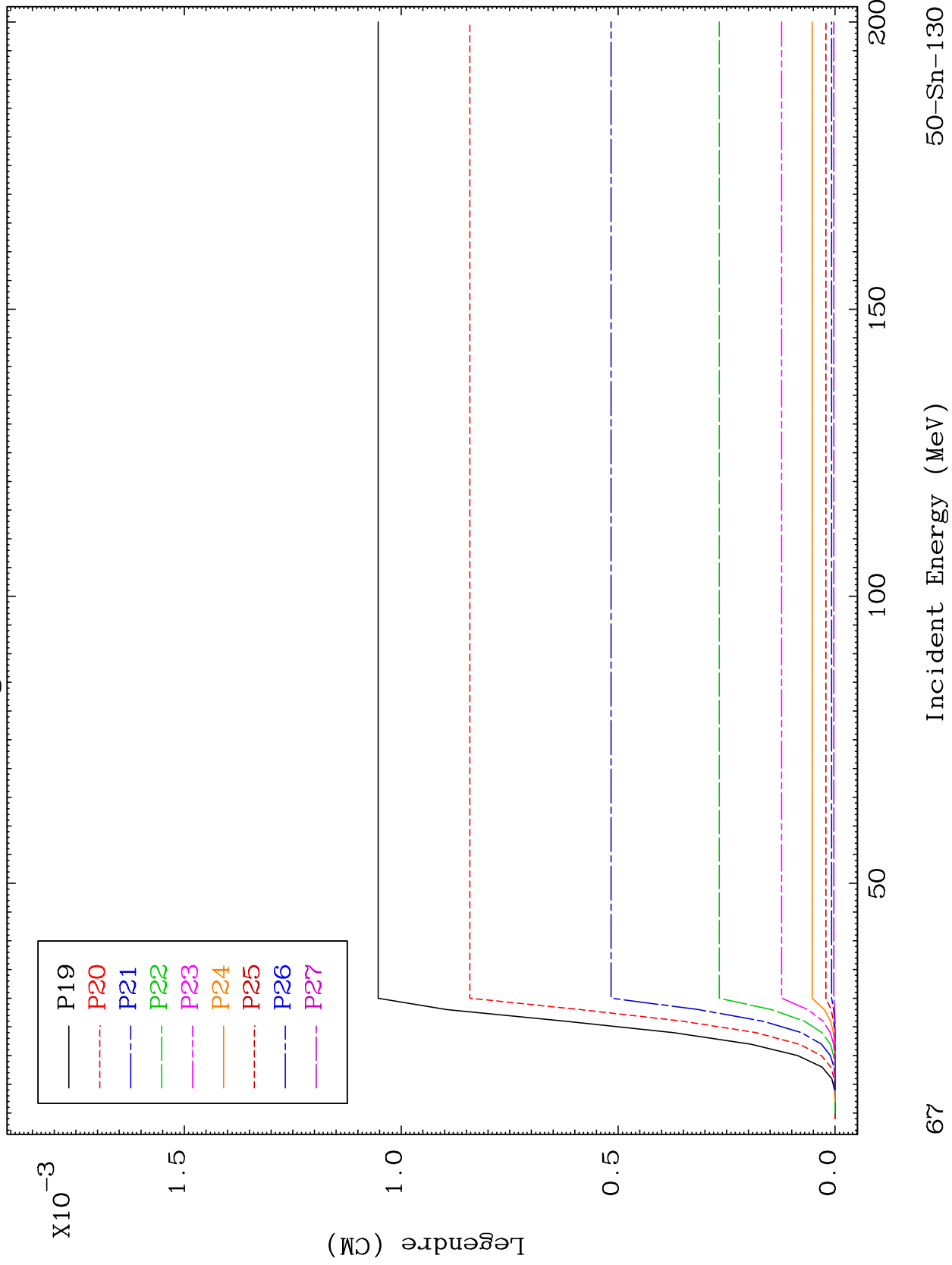


66

MAT 5079

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

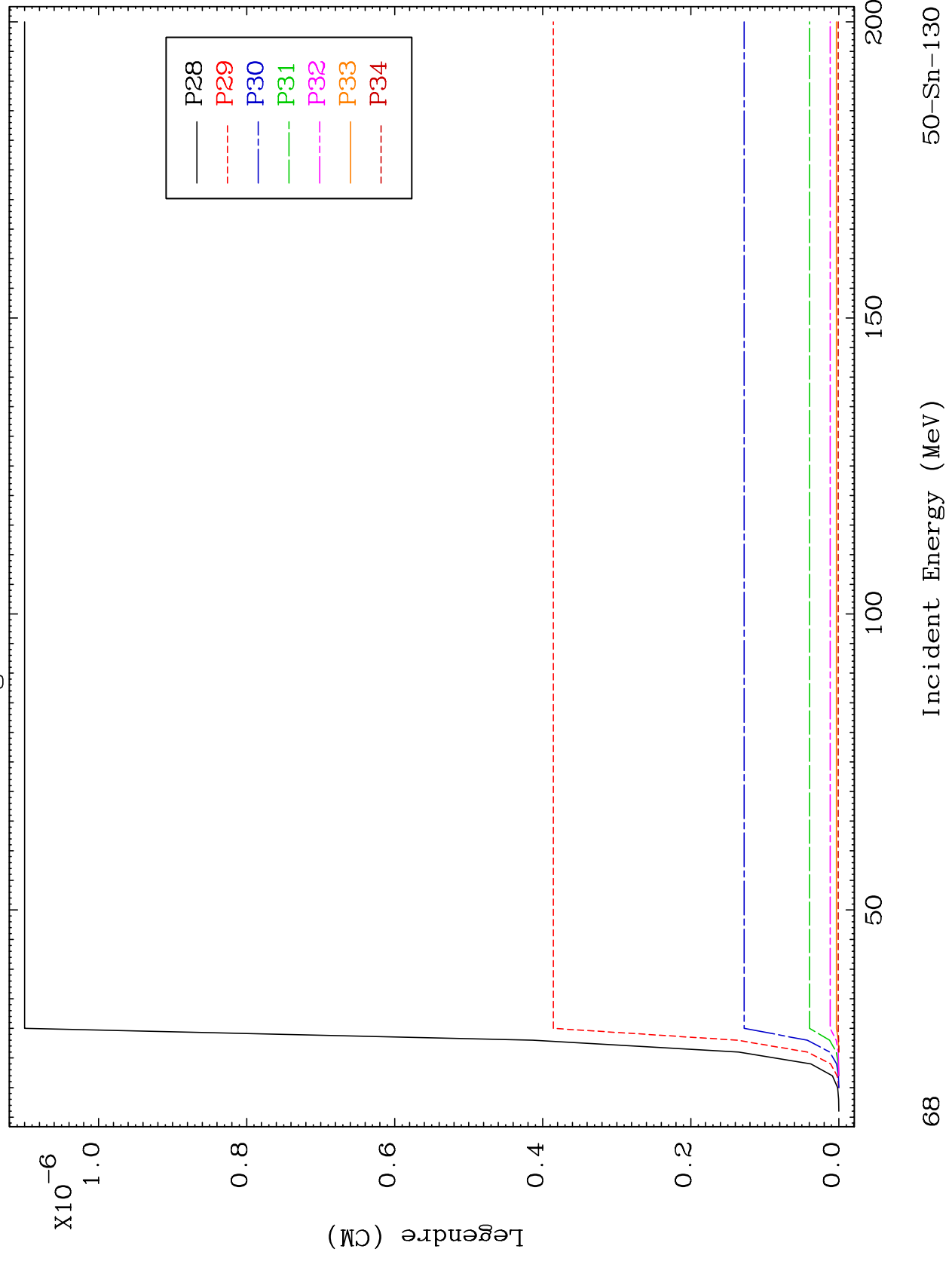
50-Sn-130



MAT 5079

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

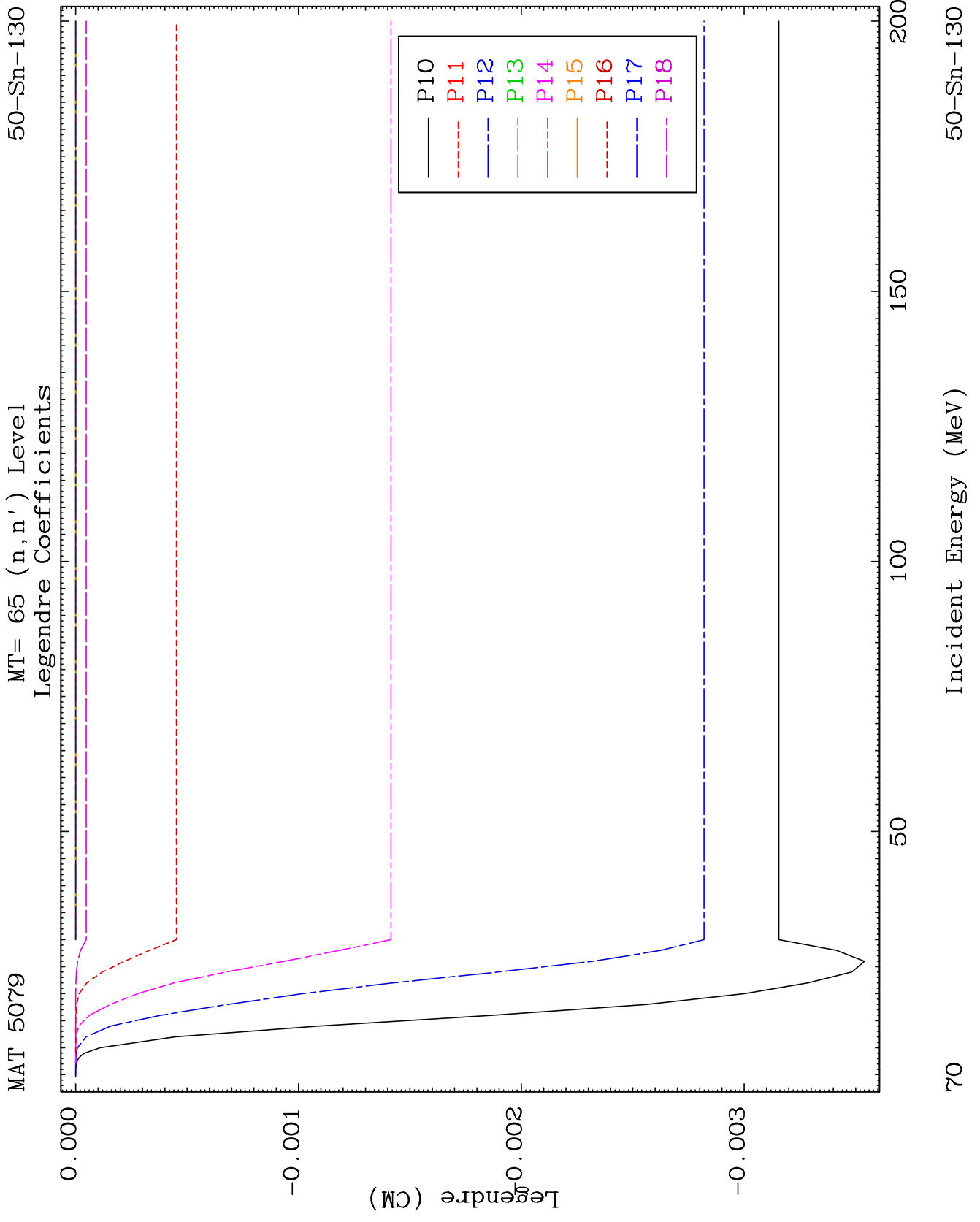
50-Sn-130

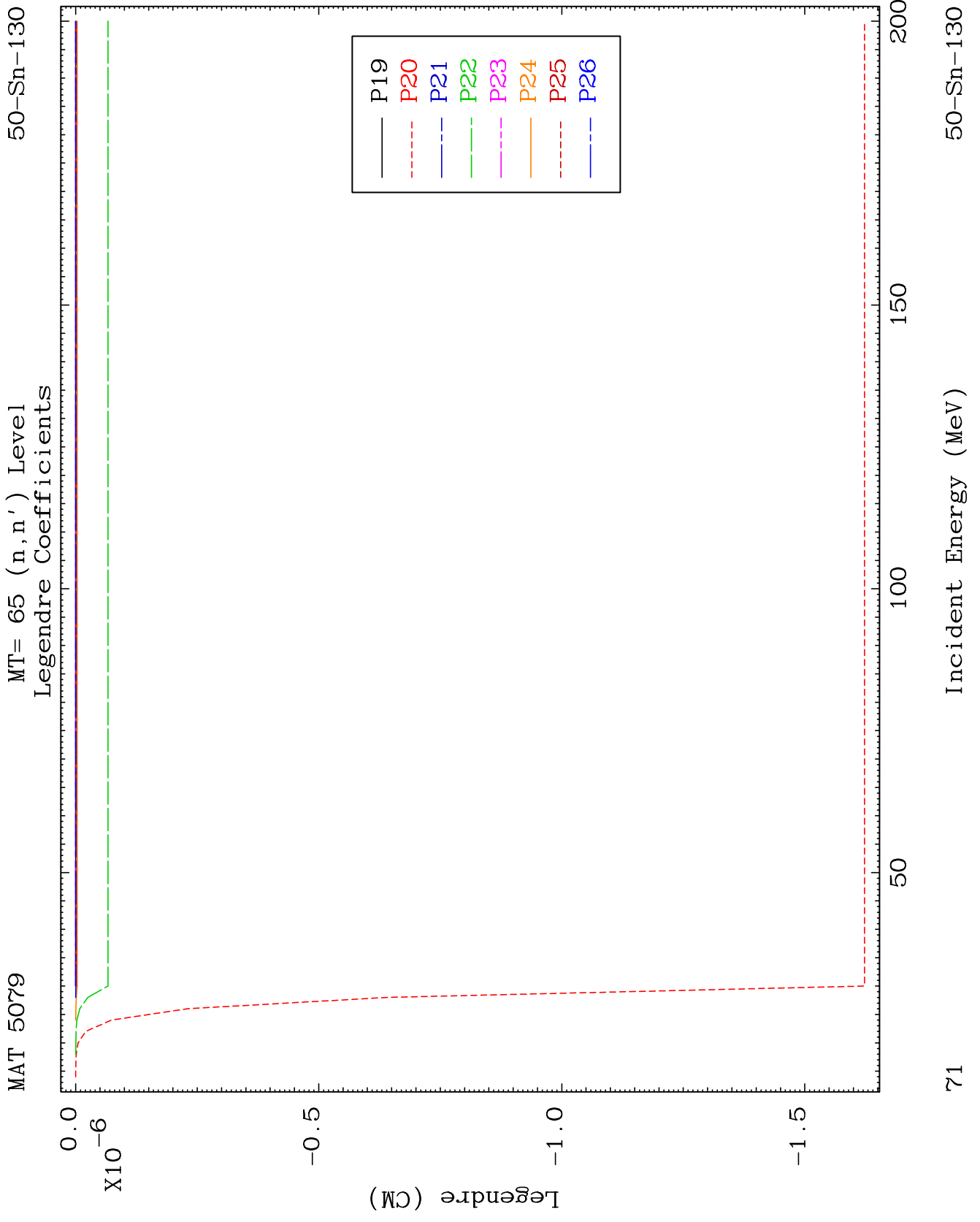


68

Incident Energy (MeV)

50-Sn-130

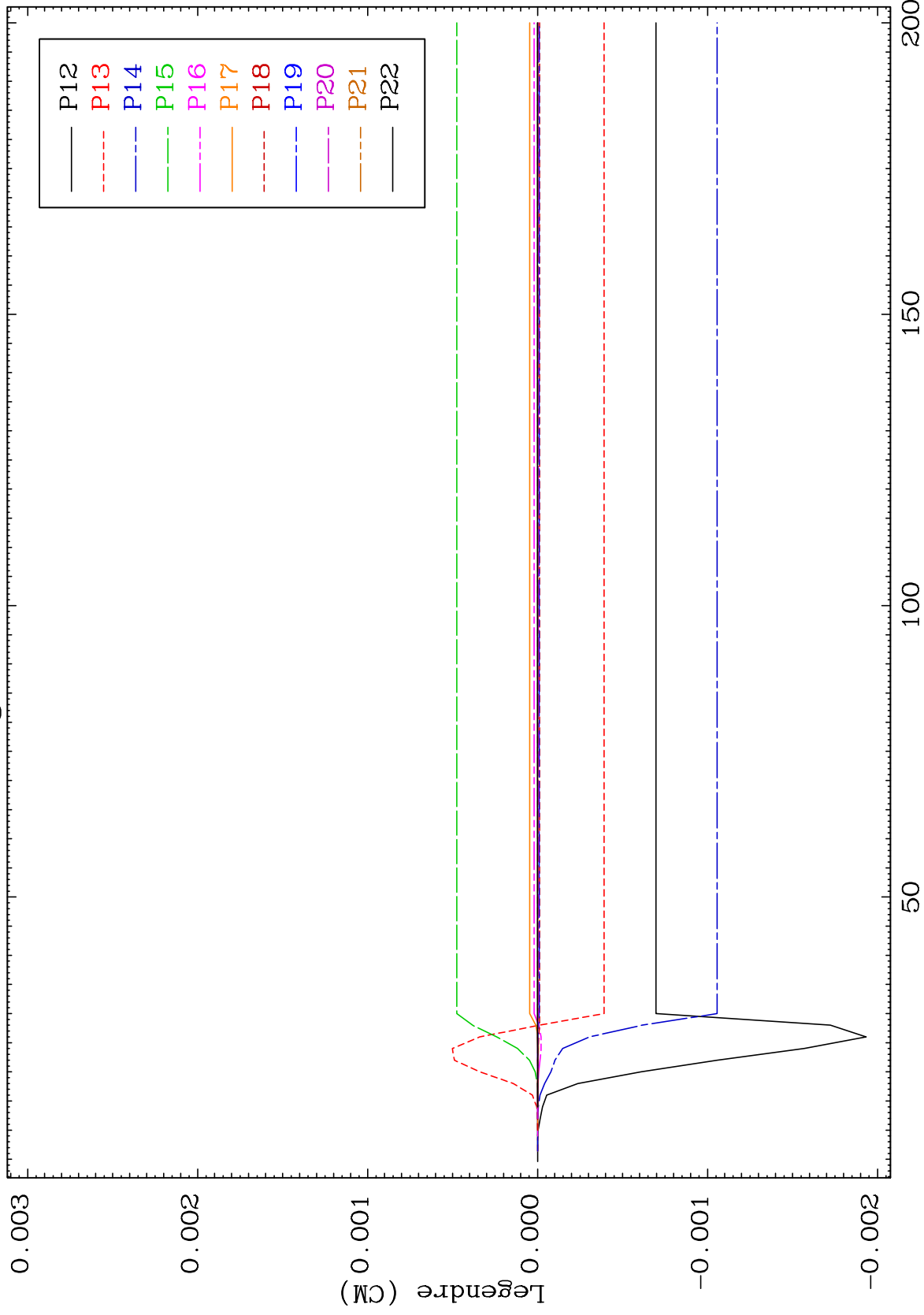




MAT 5079

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

50-Sn-130



73

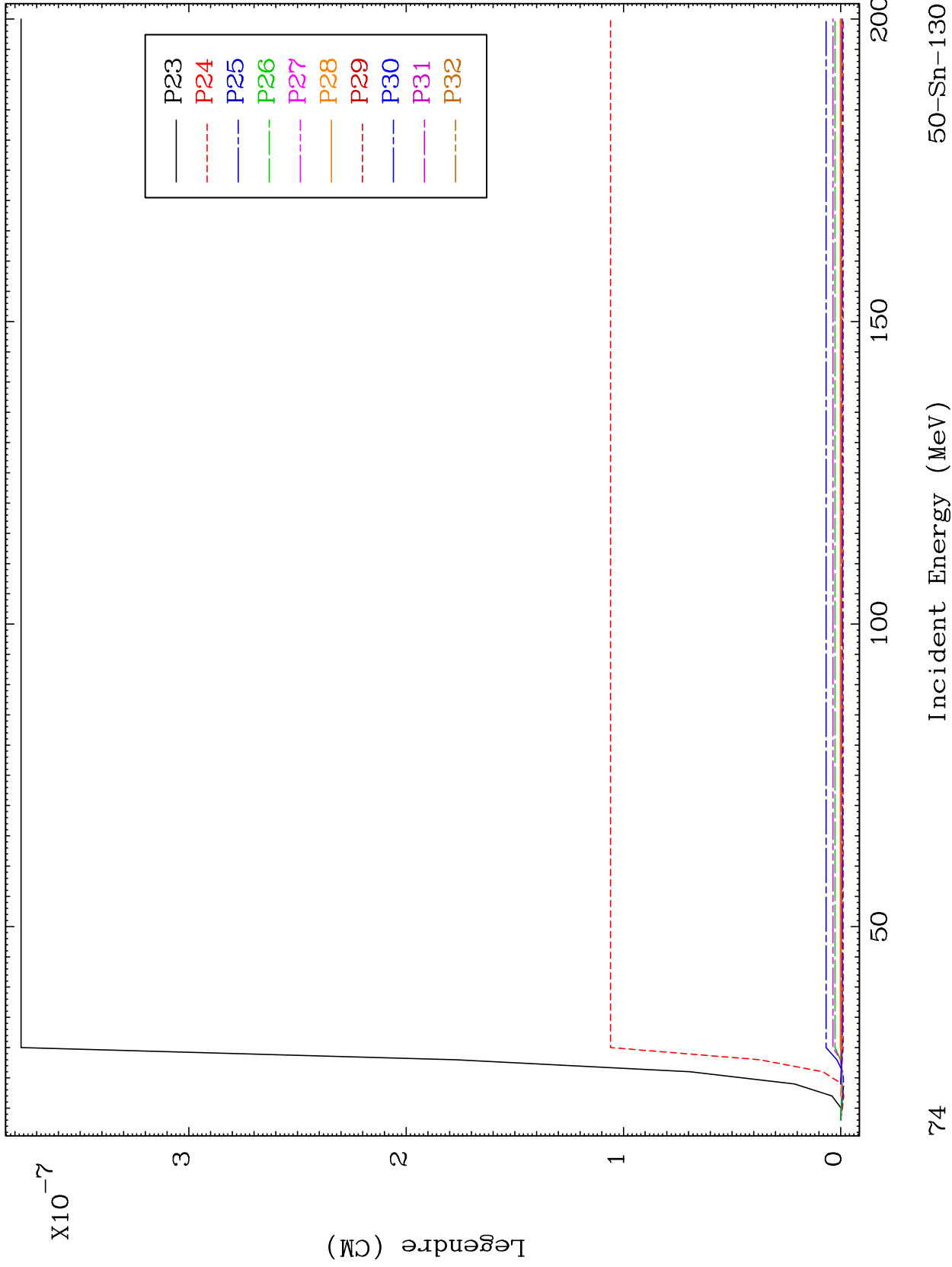
Incident Energy (MeV)

50-Sn-130

MAT 5079

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

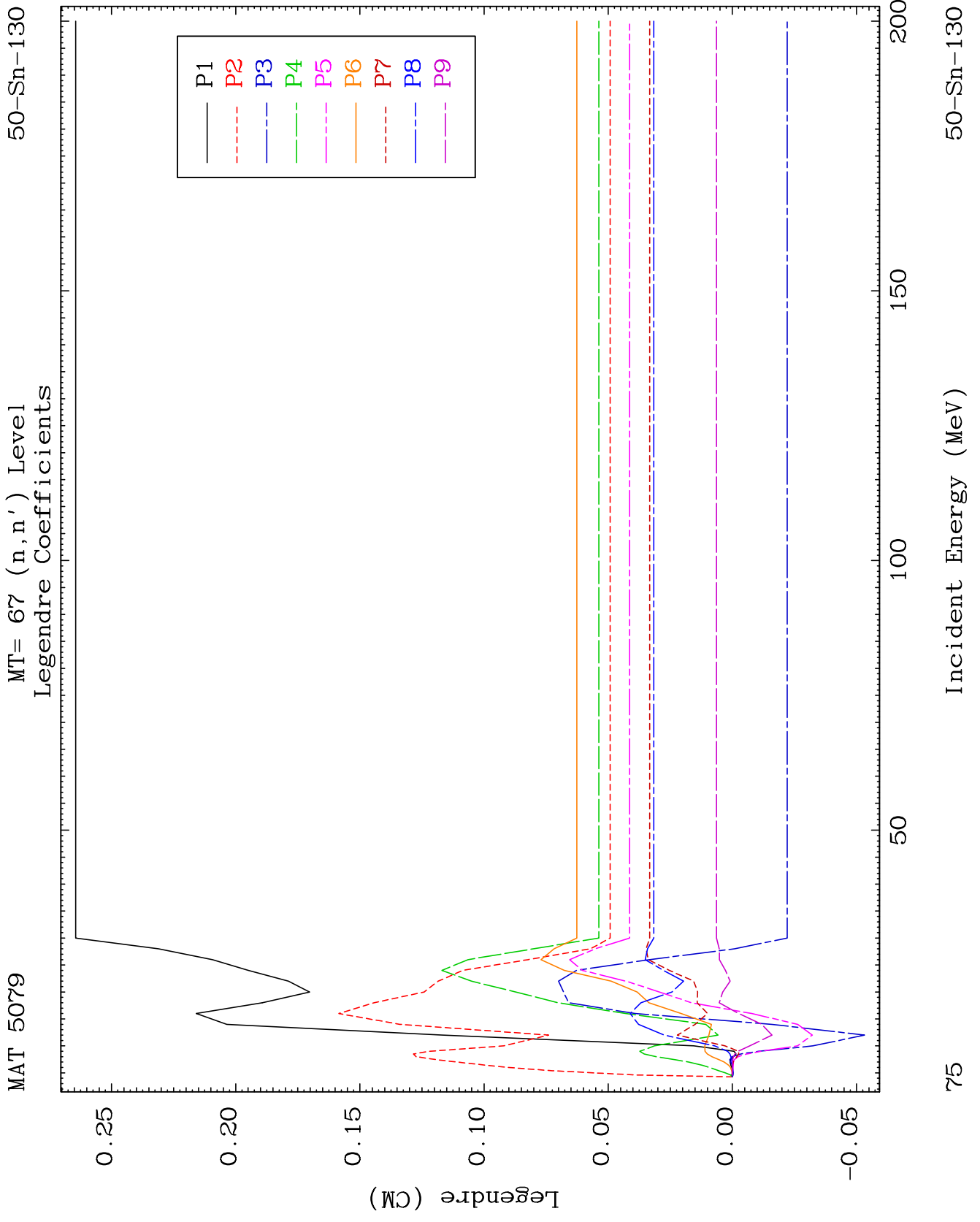
50-Sn-130



74

Incident Energy (MeV)

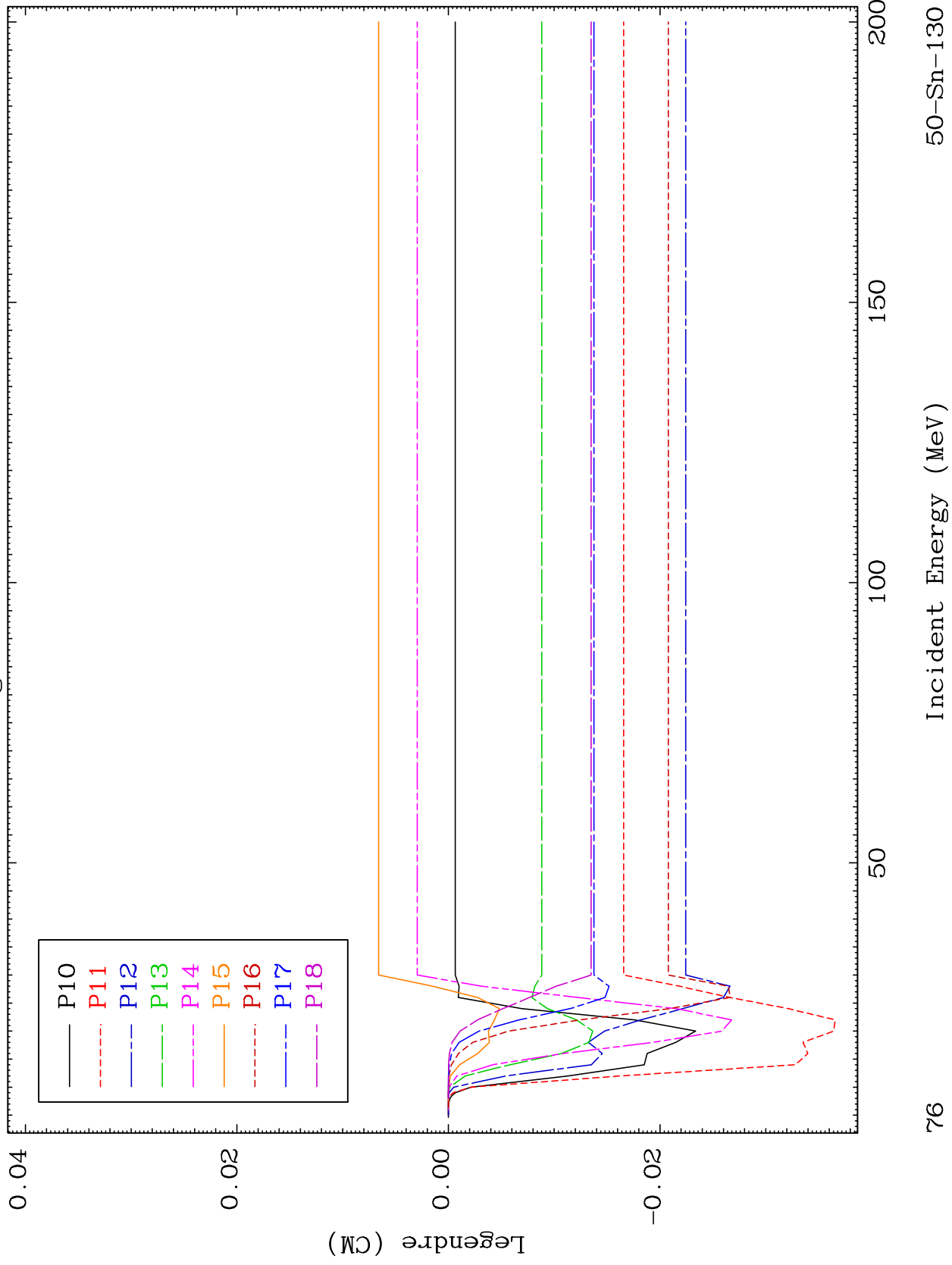
50-Sn-130



MAT 5079

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

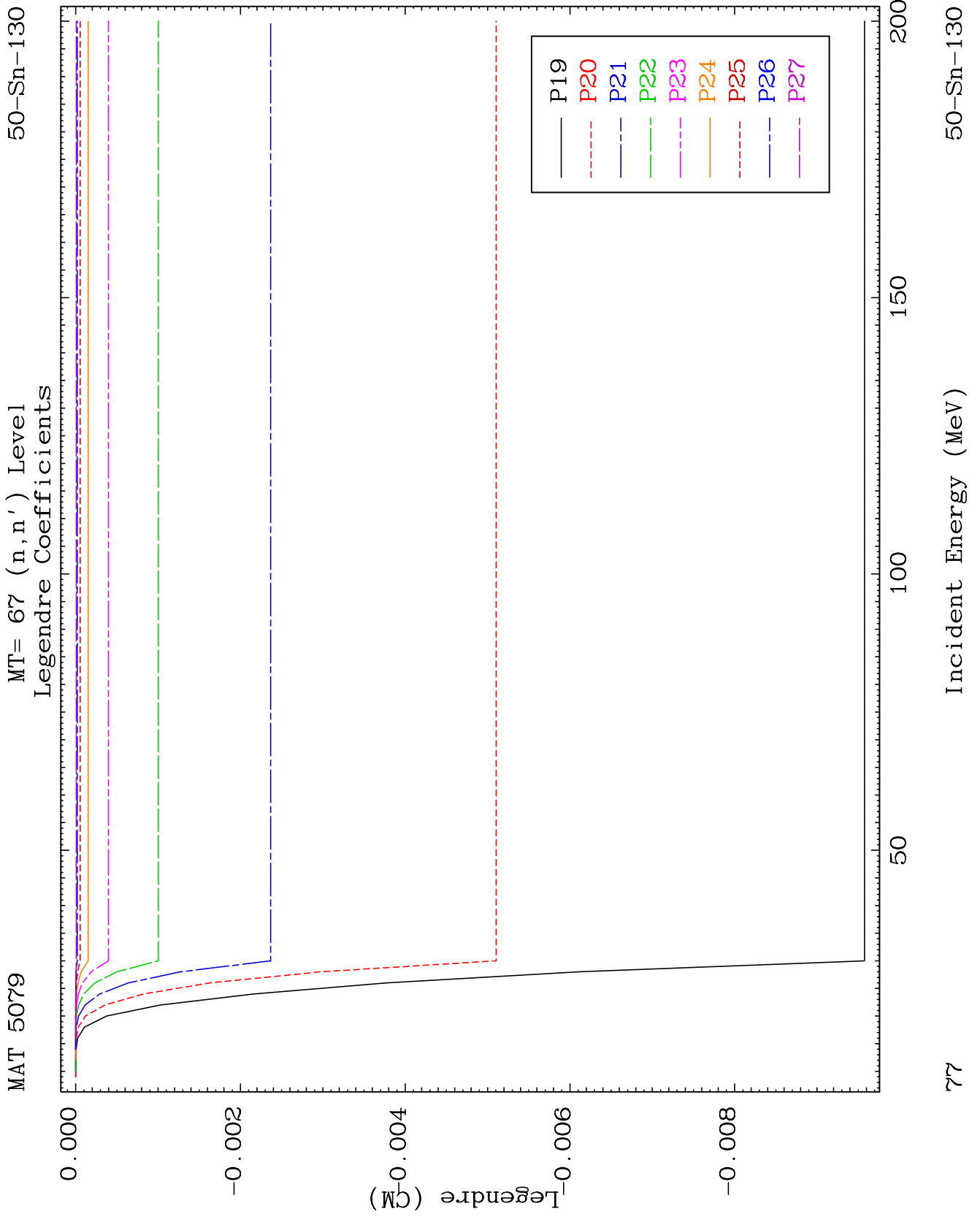
50-Sn-130

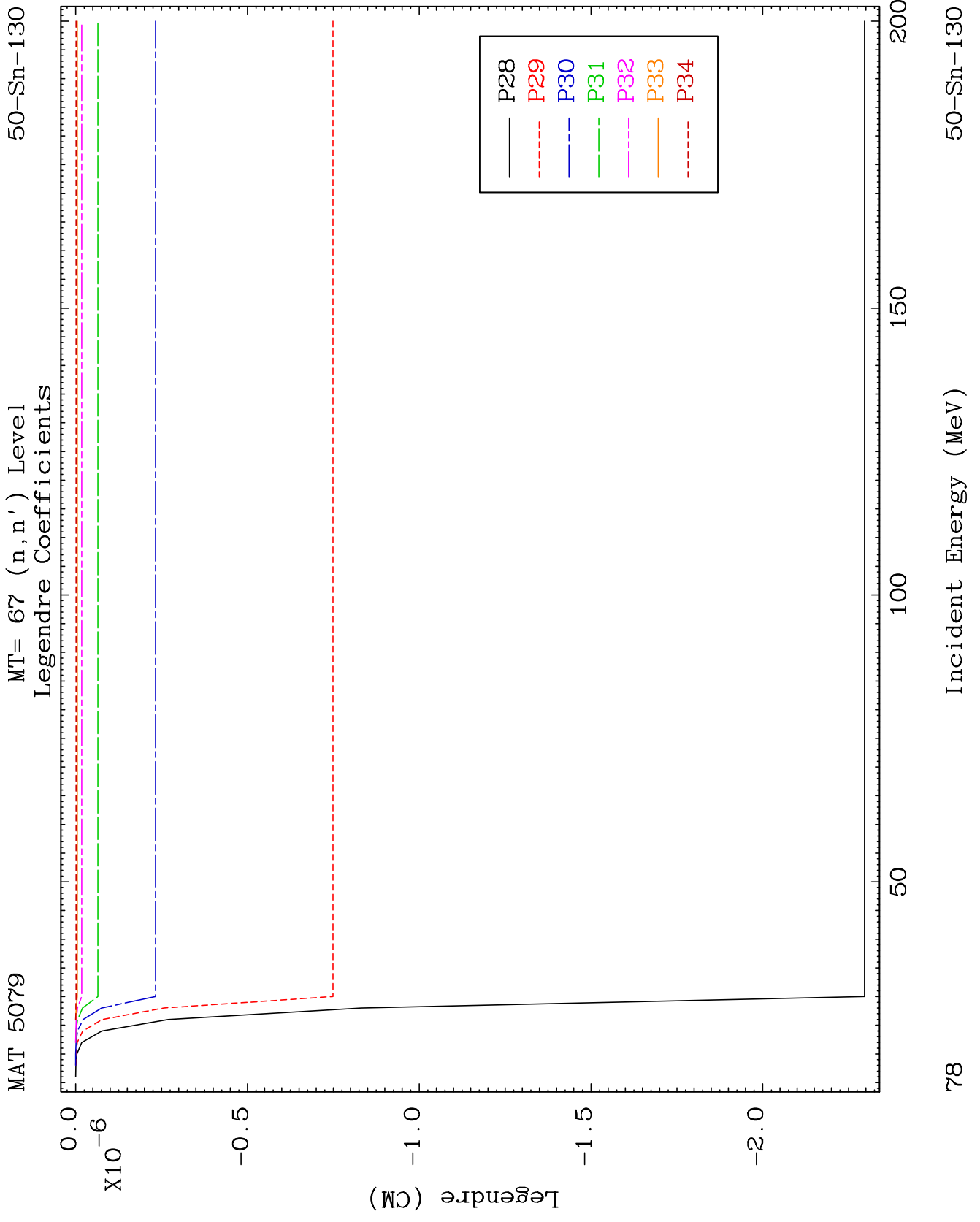


76

Incident Energy (MeV)

50-Sn-130

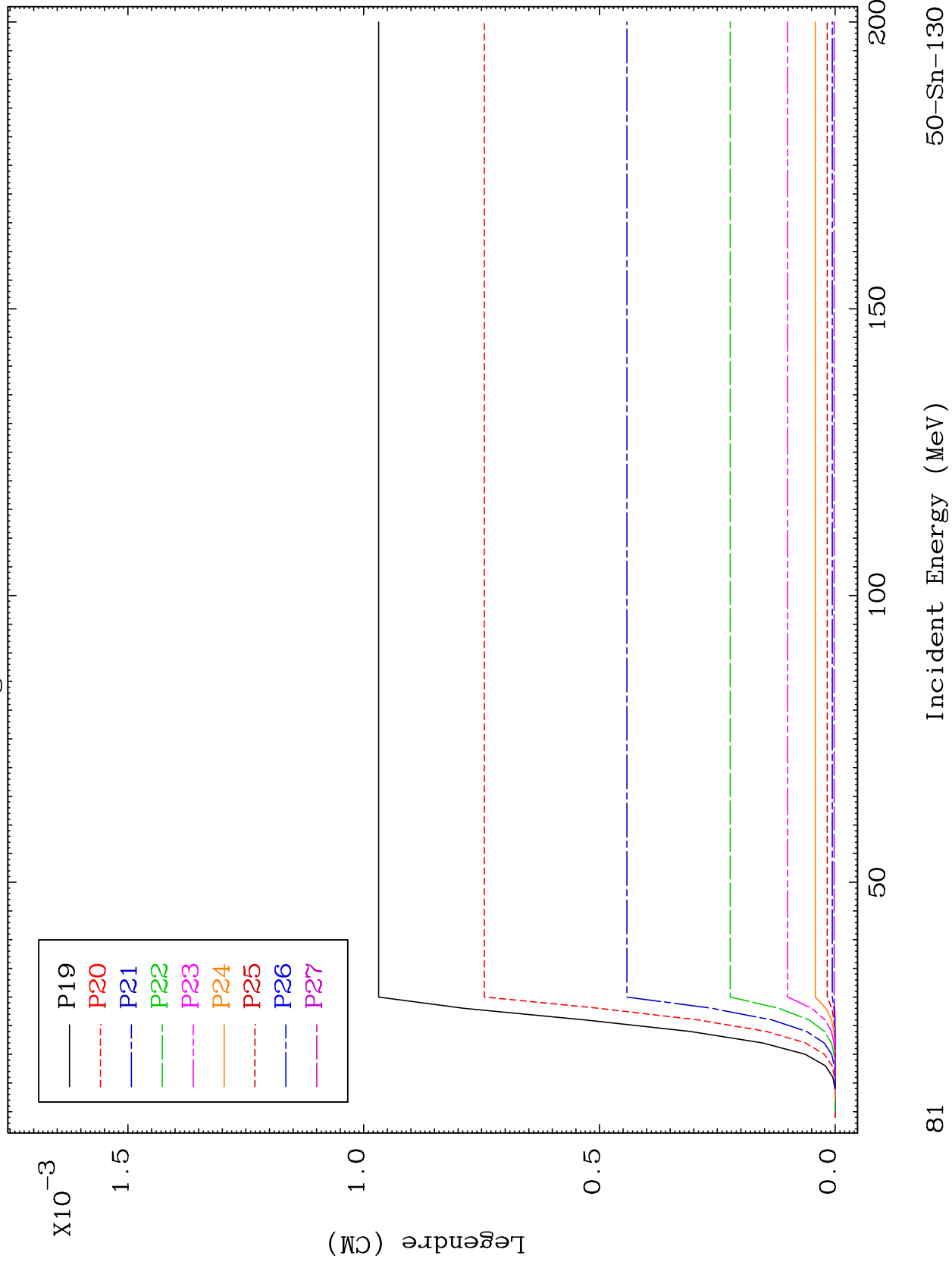


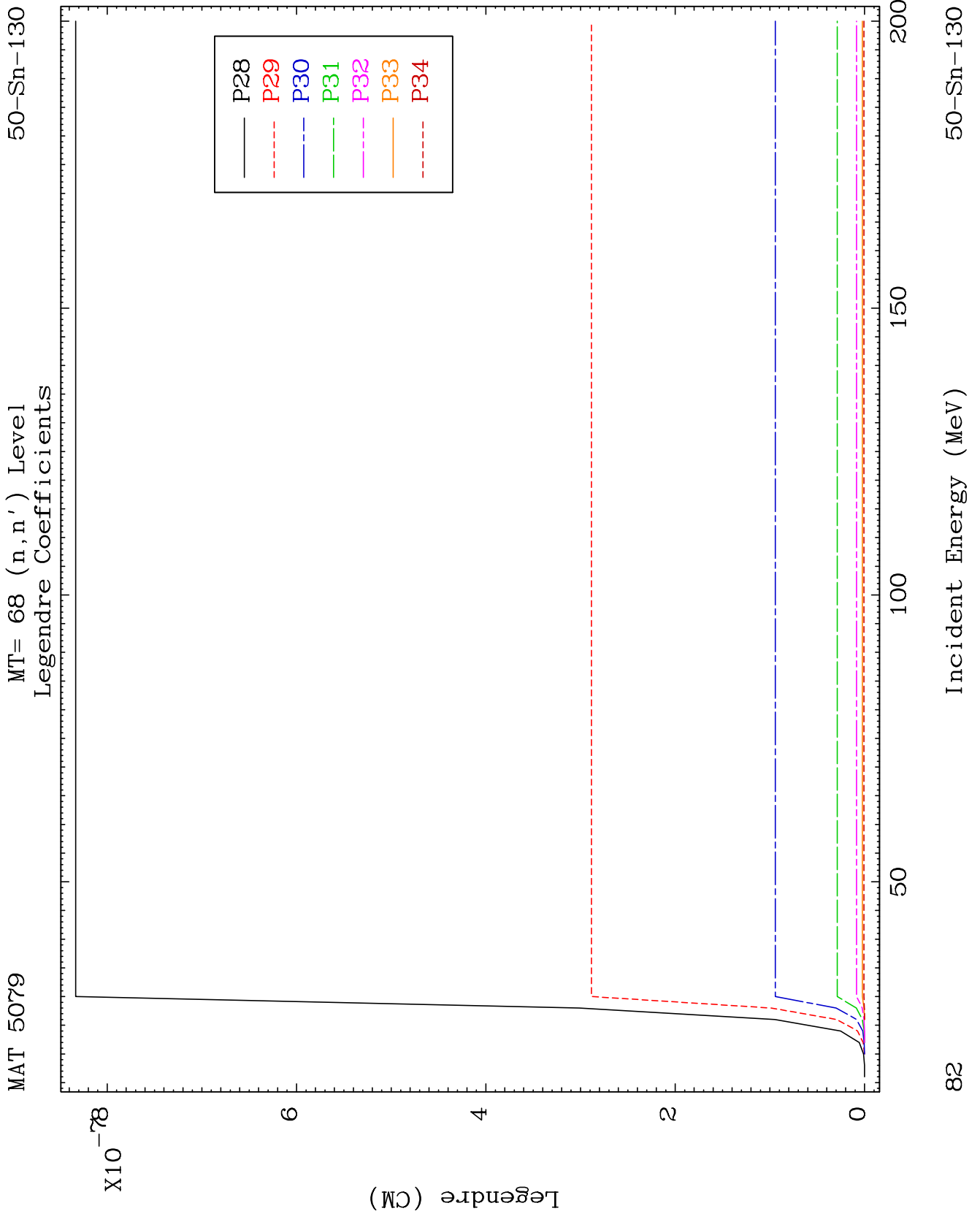


MAT 5079

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

50-Sn-130

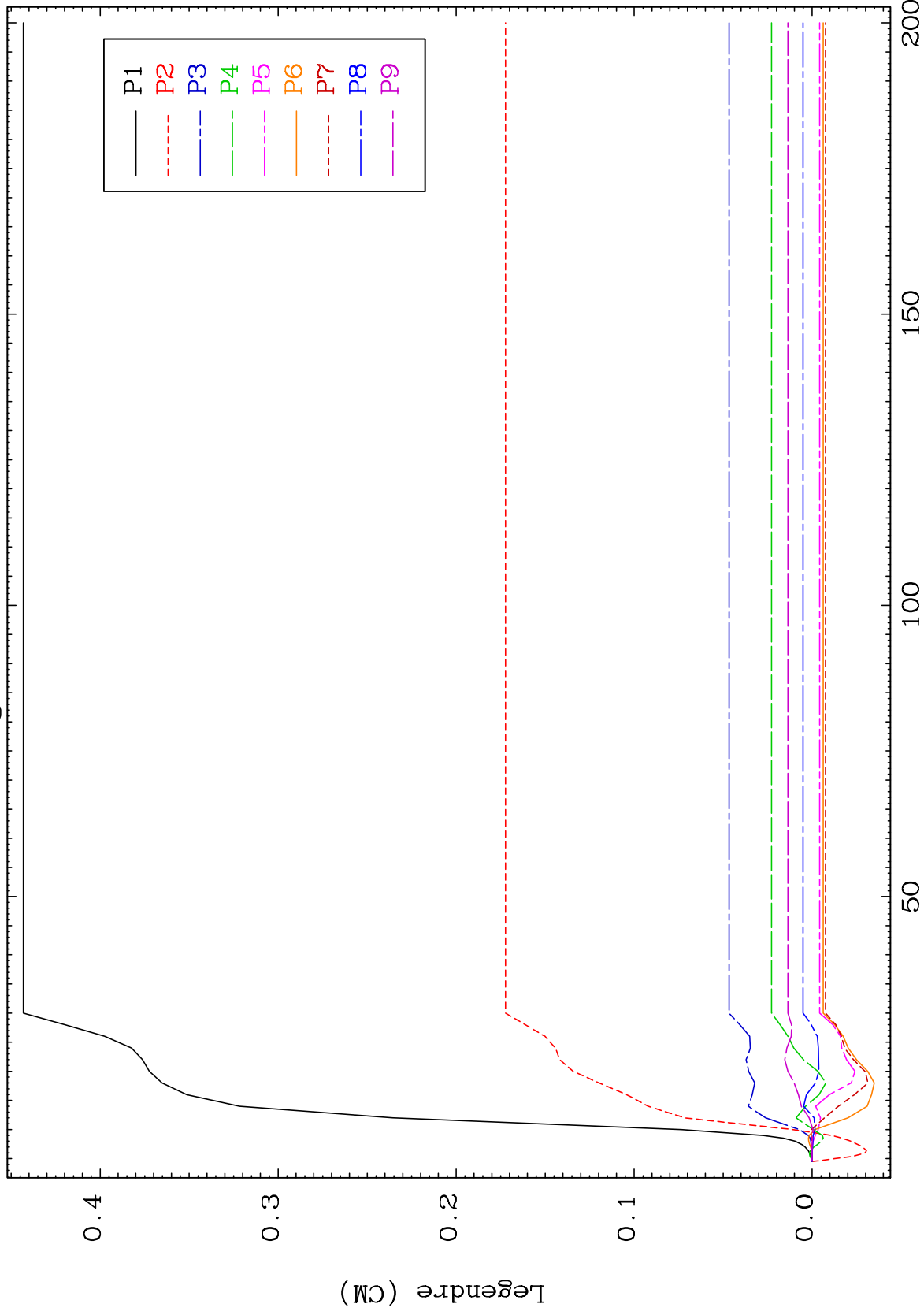




MAT 5079

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

50-Sn-130



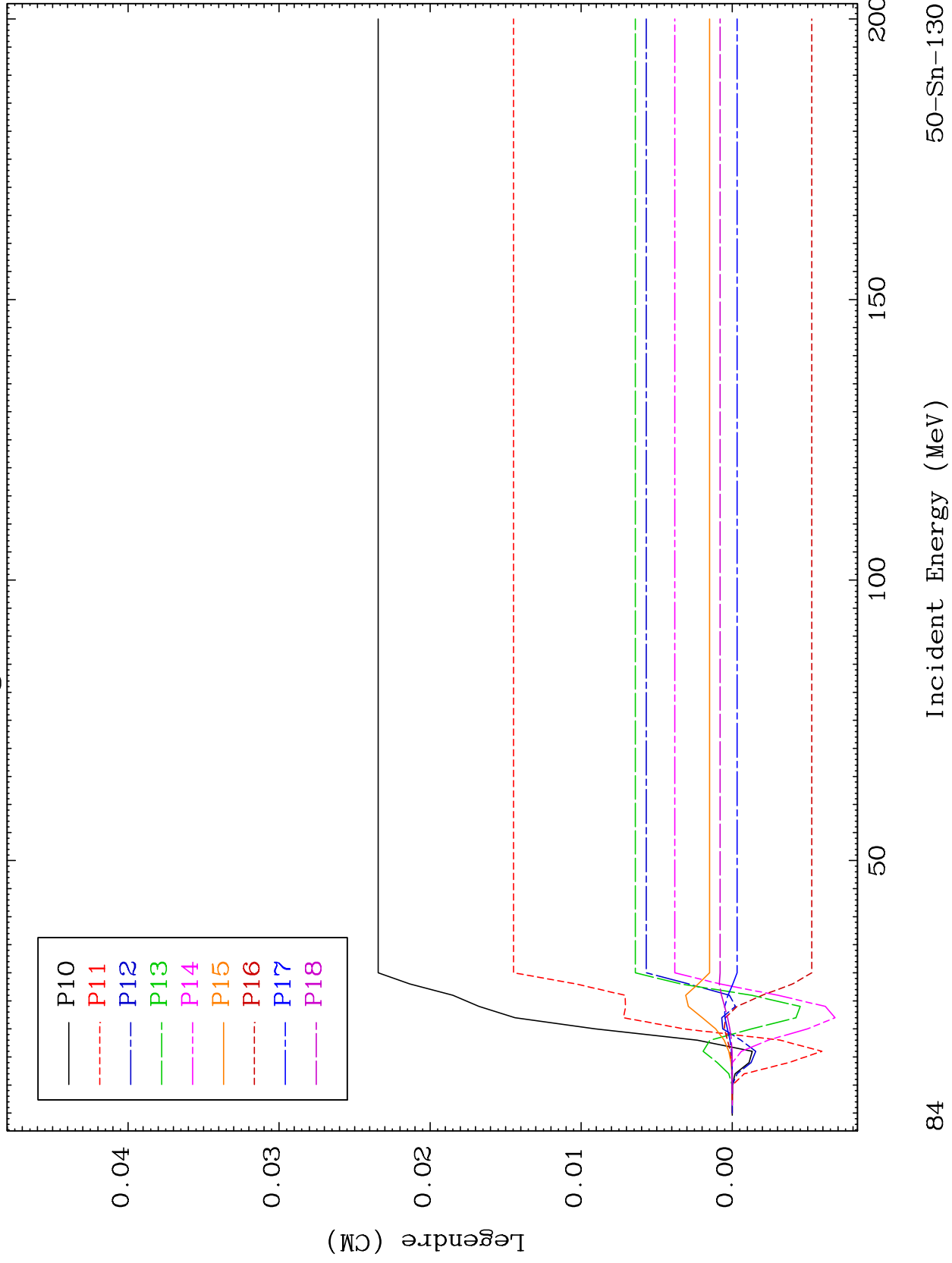
83

50-Sn-130

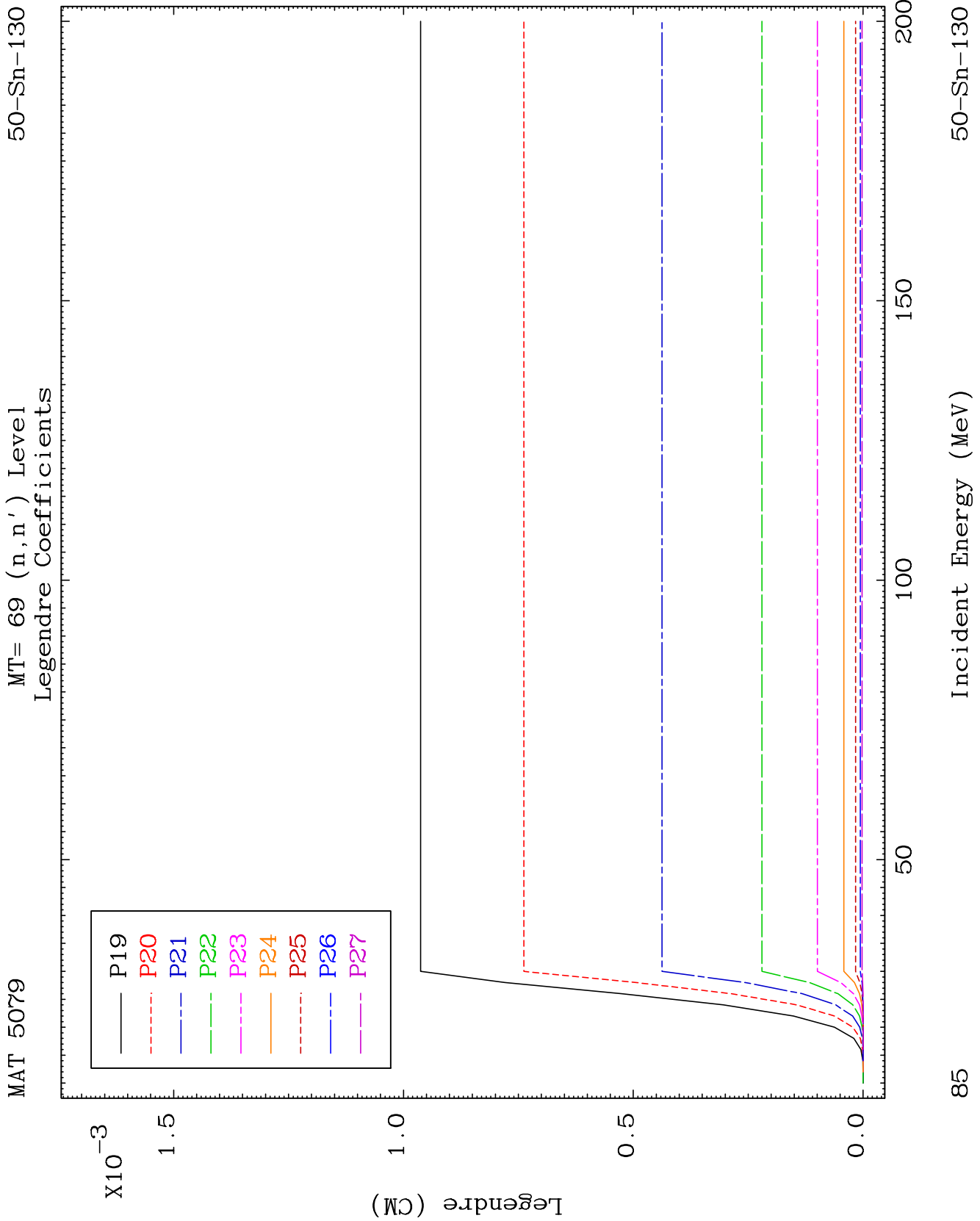
MAT 5079

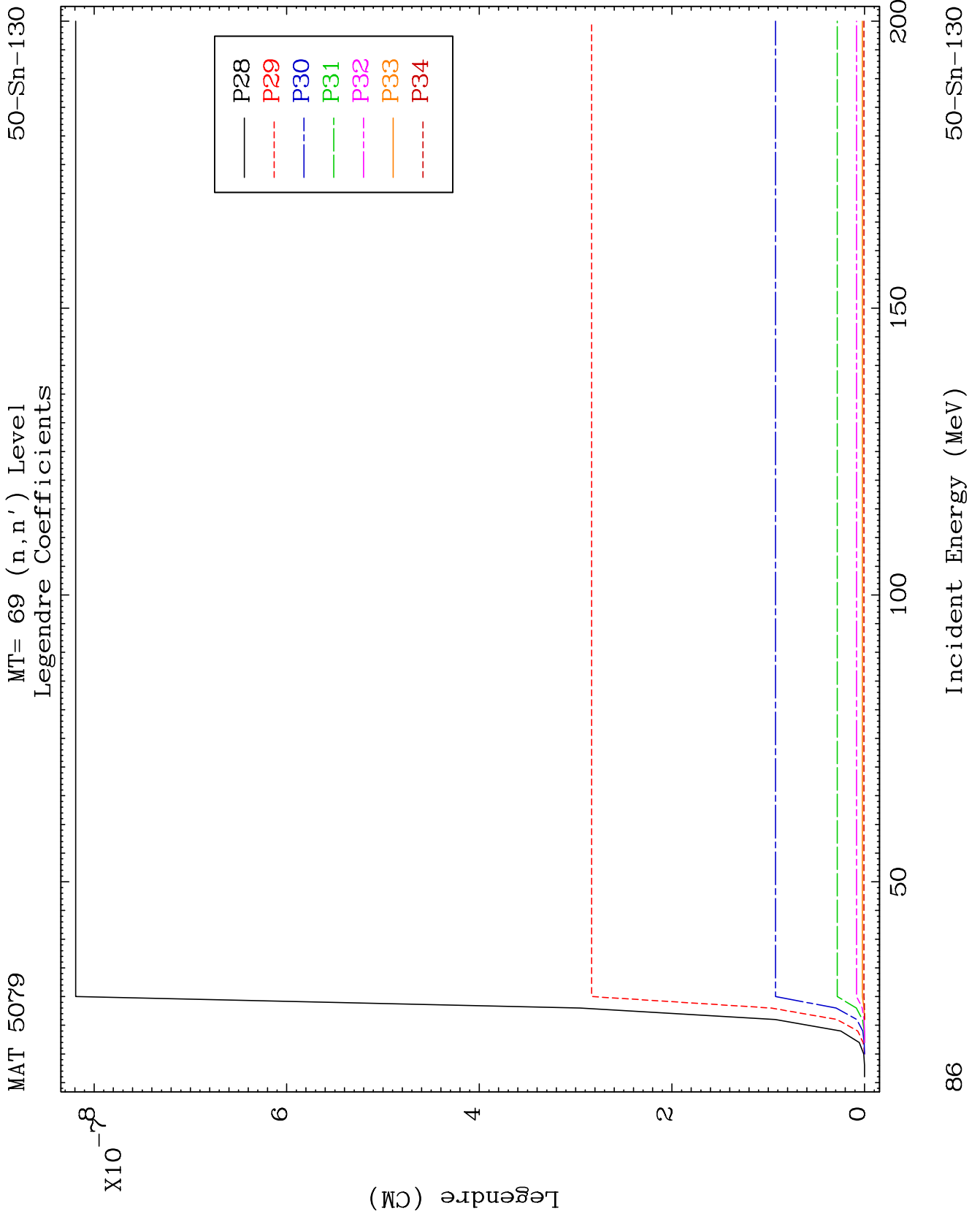
MT= 69 (n,n') Level
Legendre Coefficients

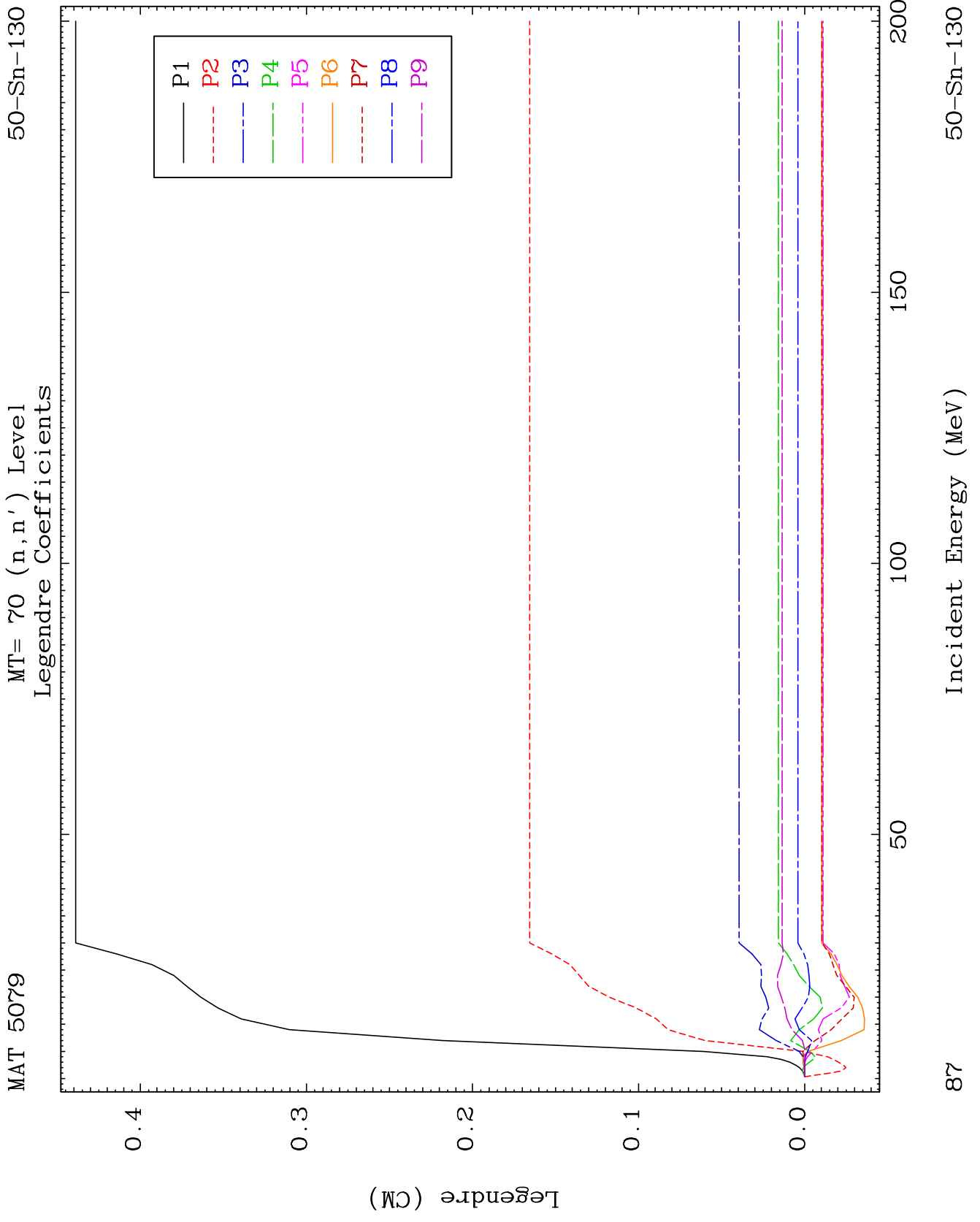
50-Sn-130



84



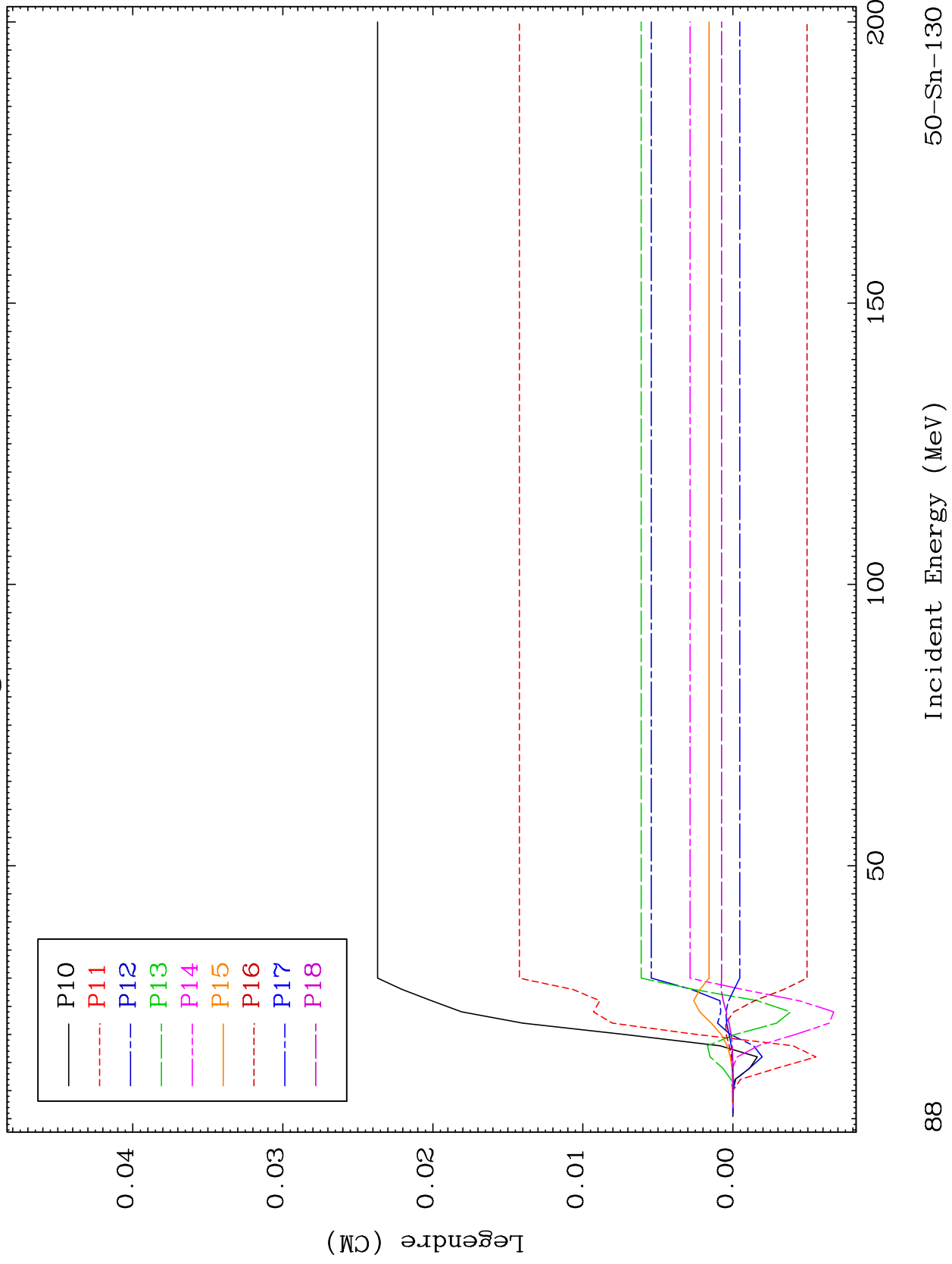




MAT 5079

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

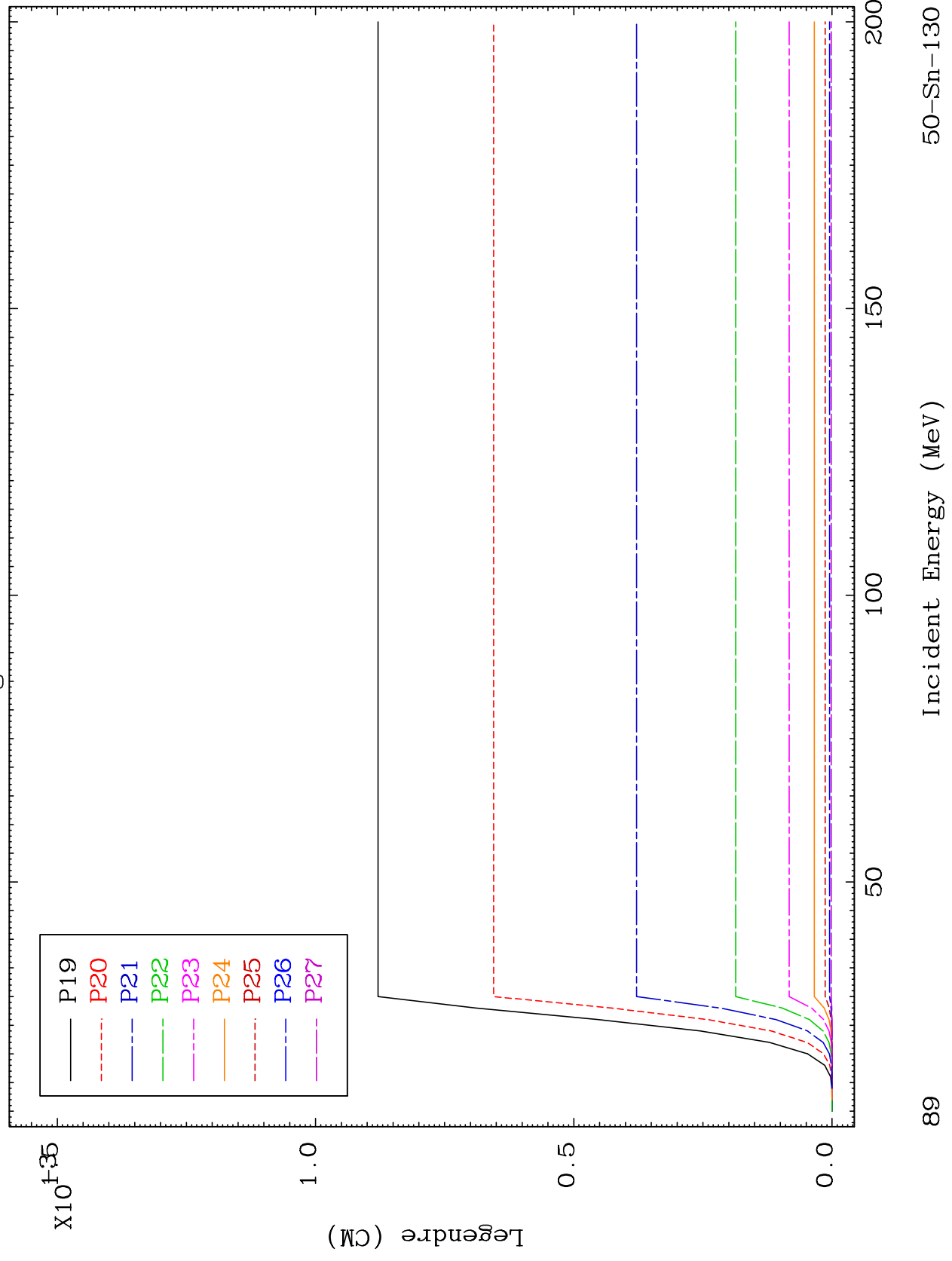
50-Sn-130

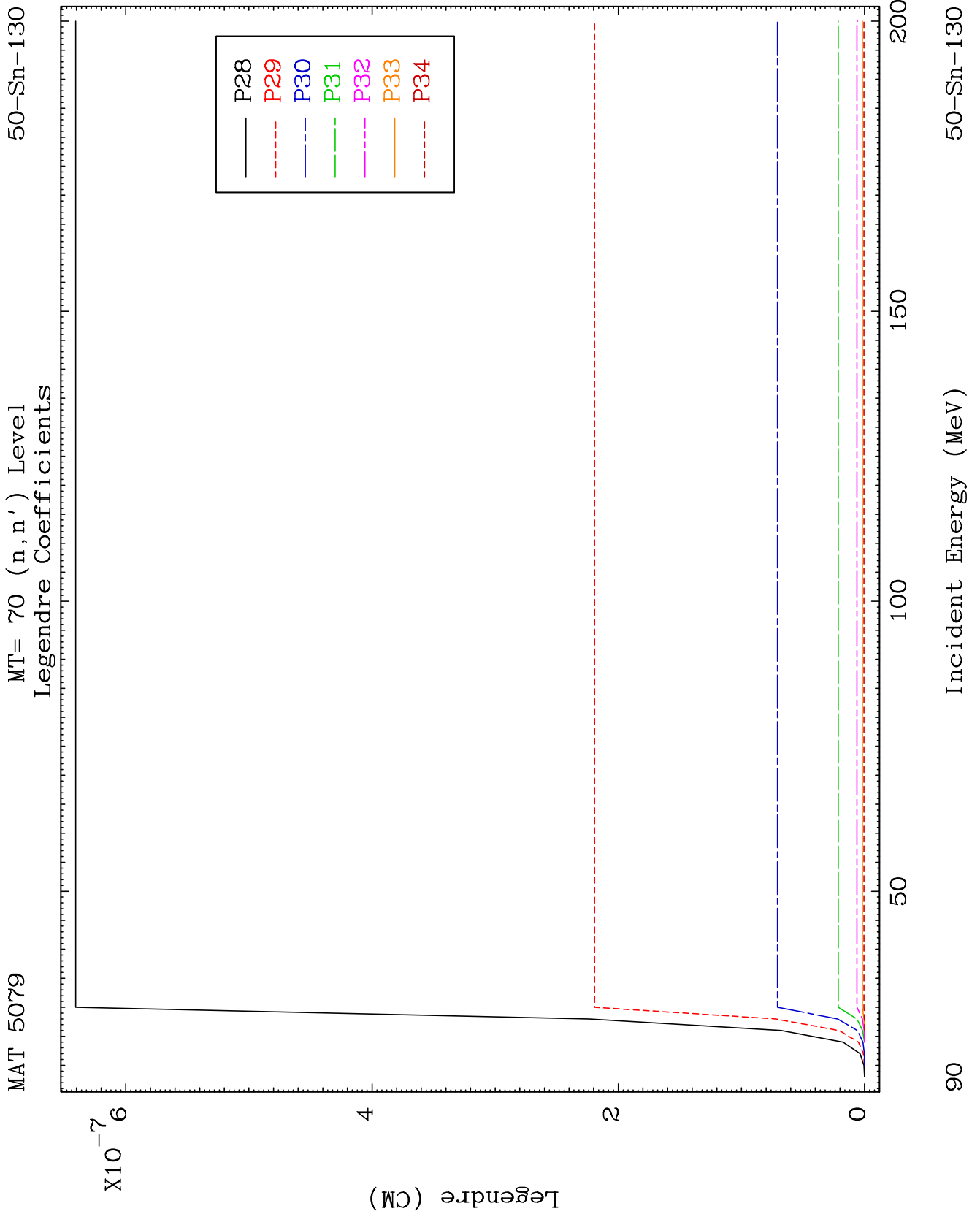


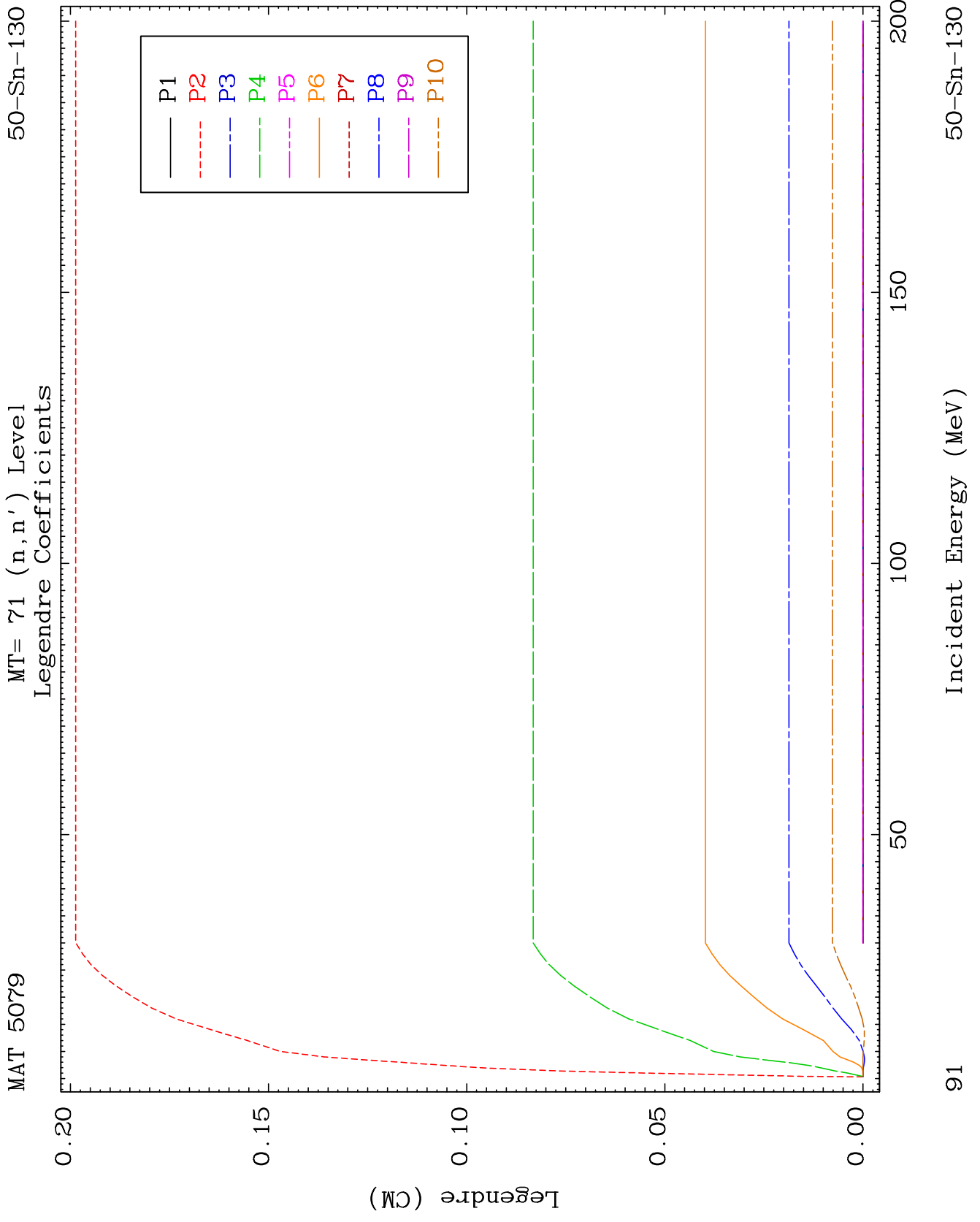
88

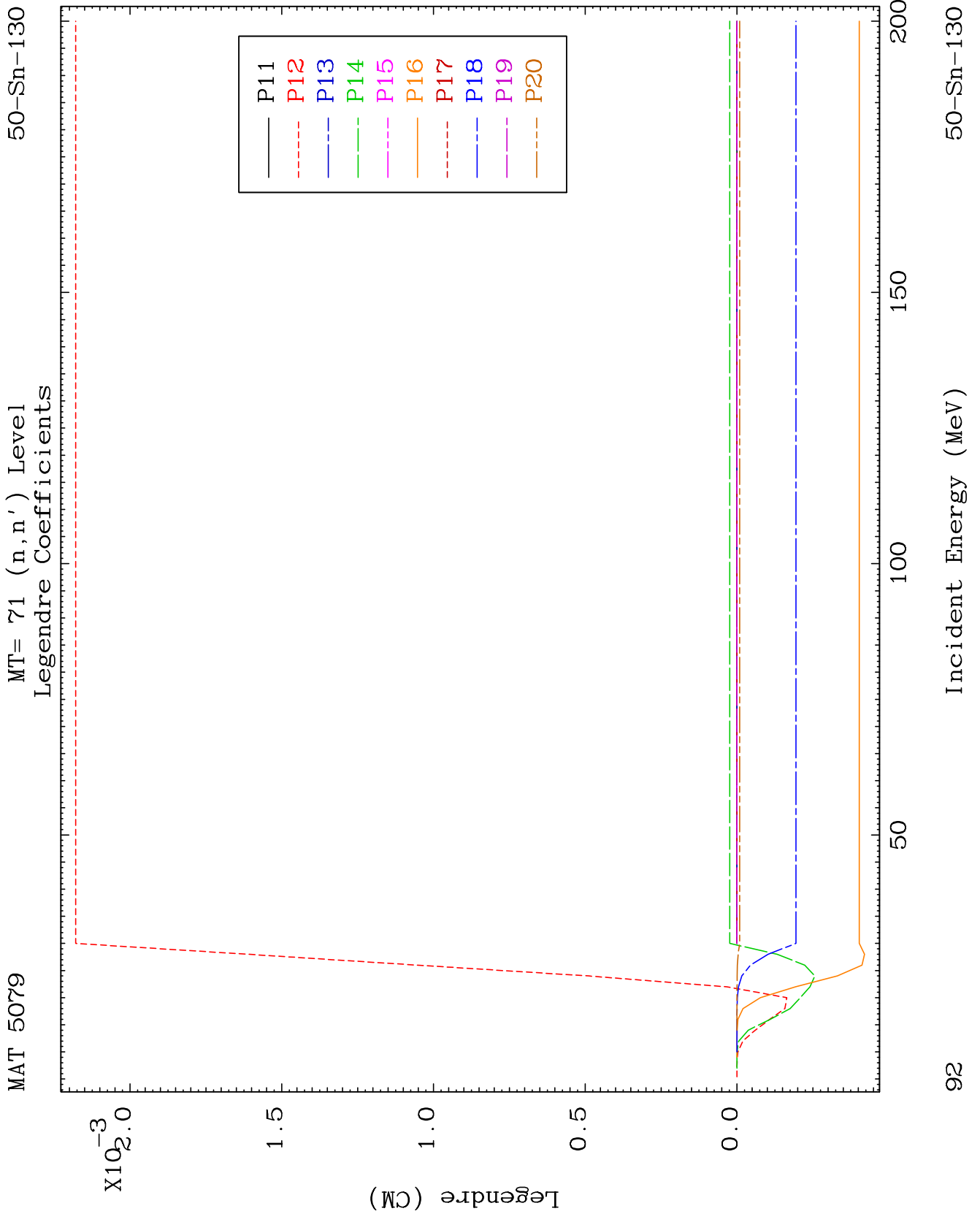
Incident Energy (MeV)

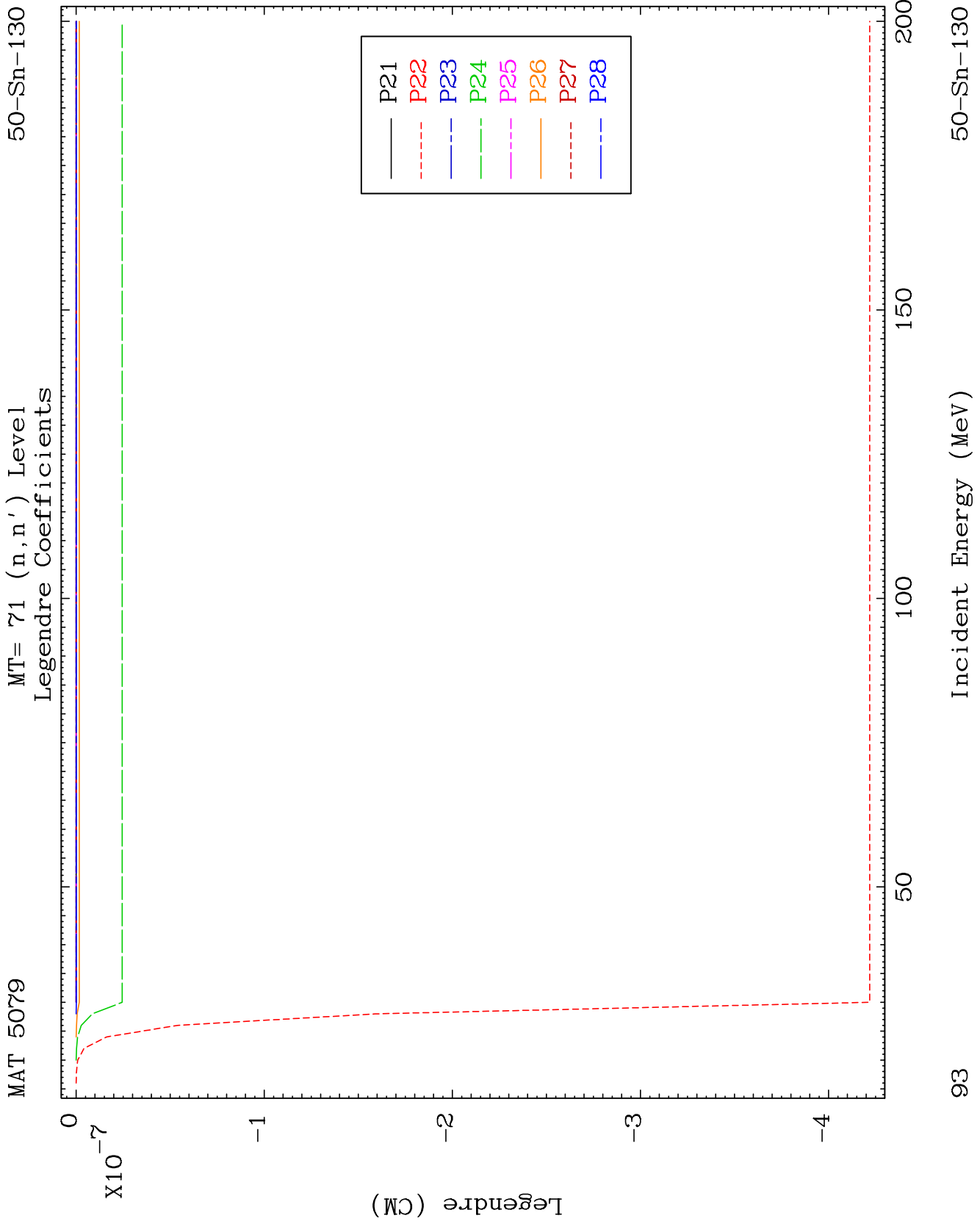
50-Sn-130







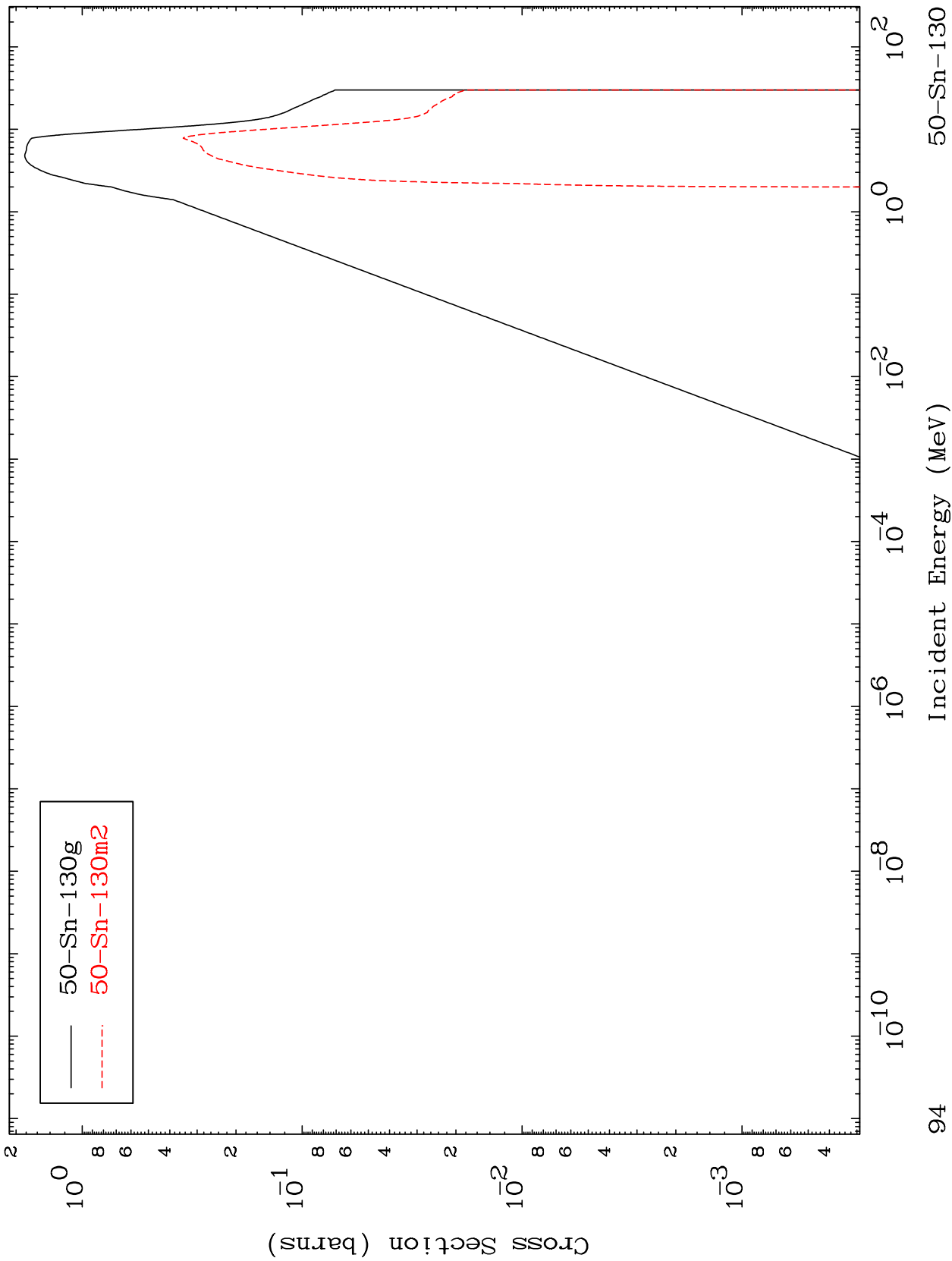




MAT 5079

50-Sn-130

Inelastic
Radionuclide Production Cross Section



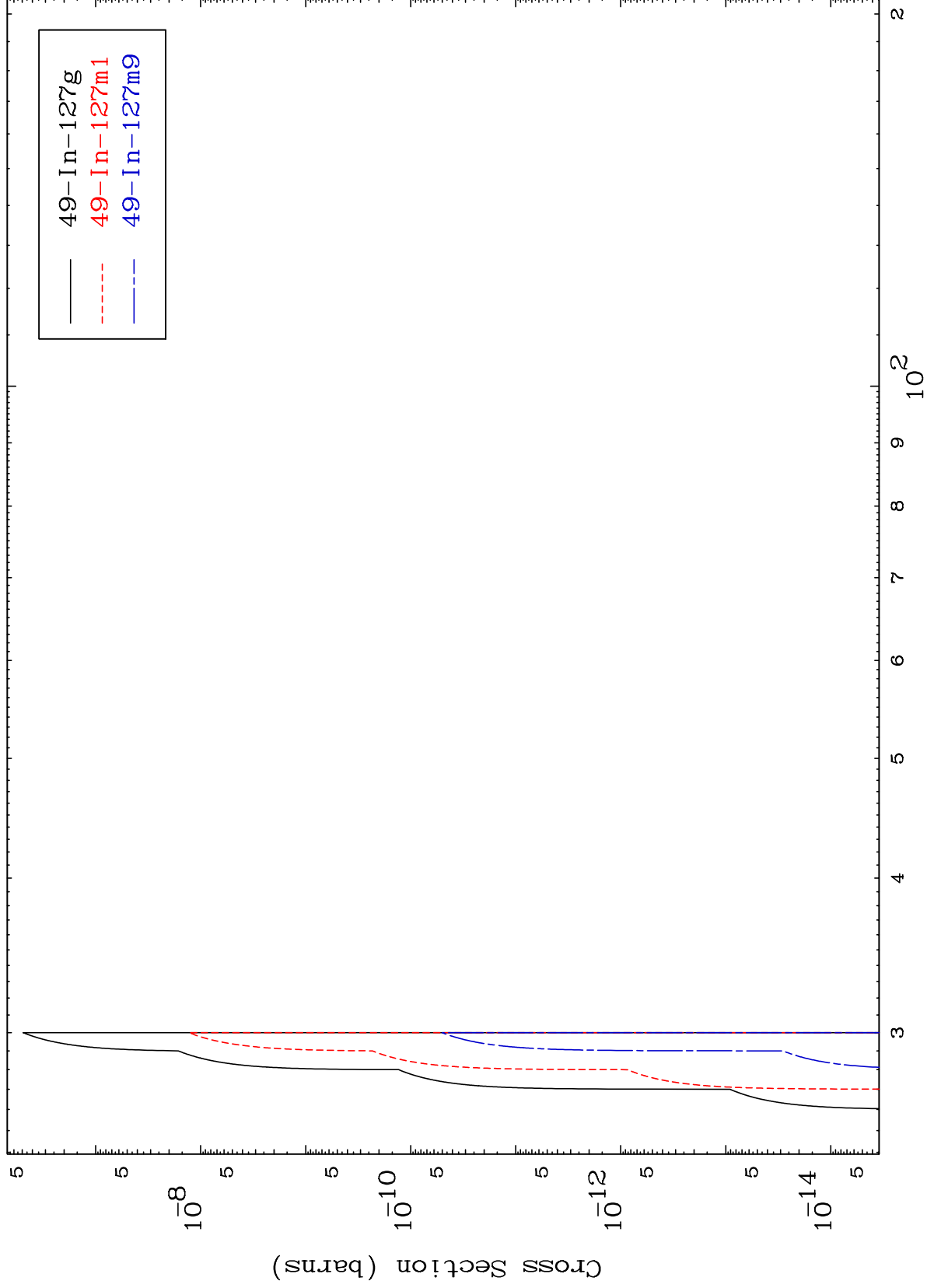
— 50-Sn-130g
- - - 50-Sn-130m2

MAT 5079

(n,2n) d

50-Sn-130

Radionuclide Production Cross Section



95

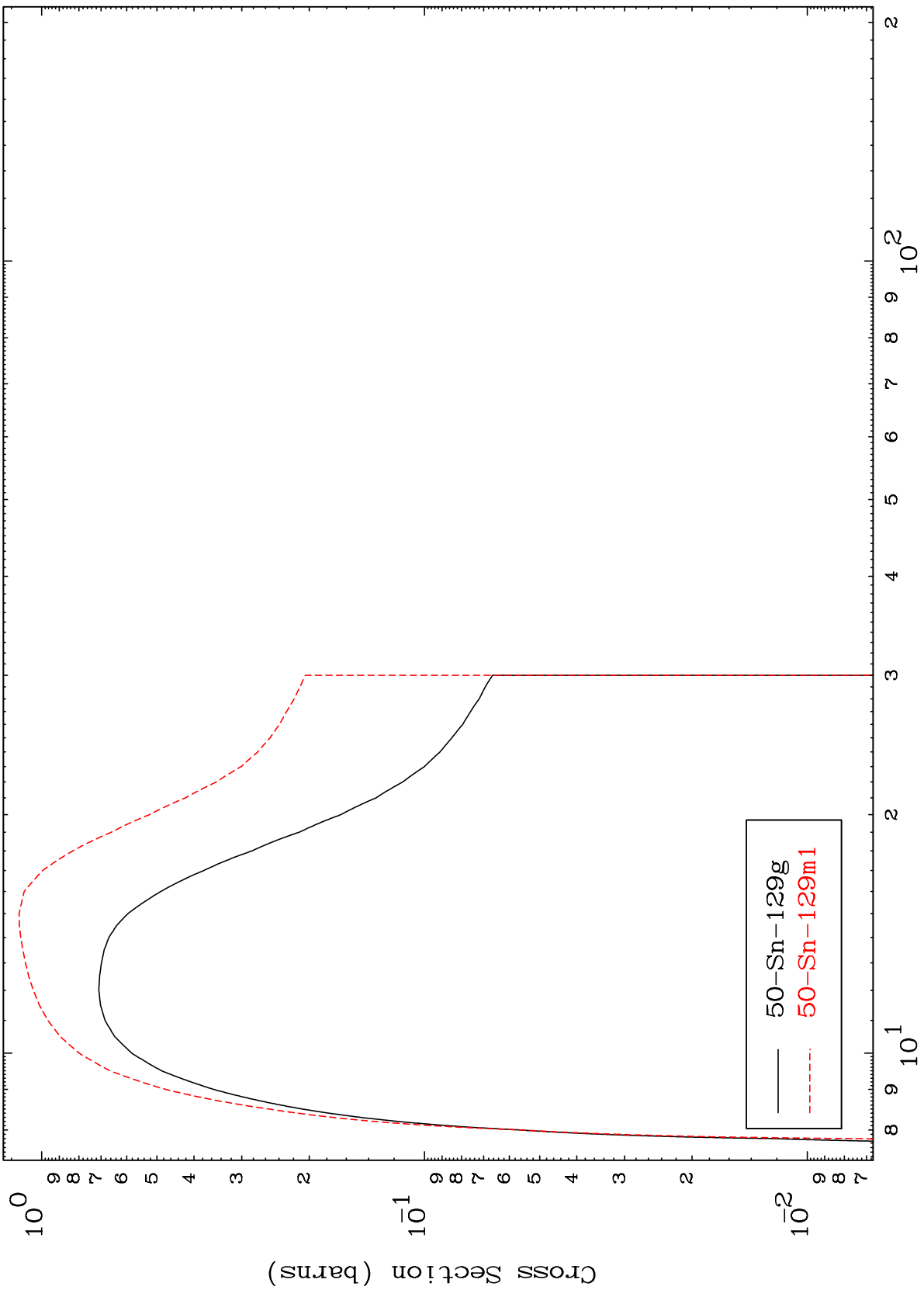
Incident Energy (MeV)

50-Sn-130

MAT 5079

50-Sn-130

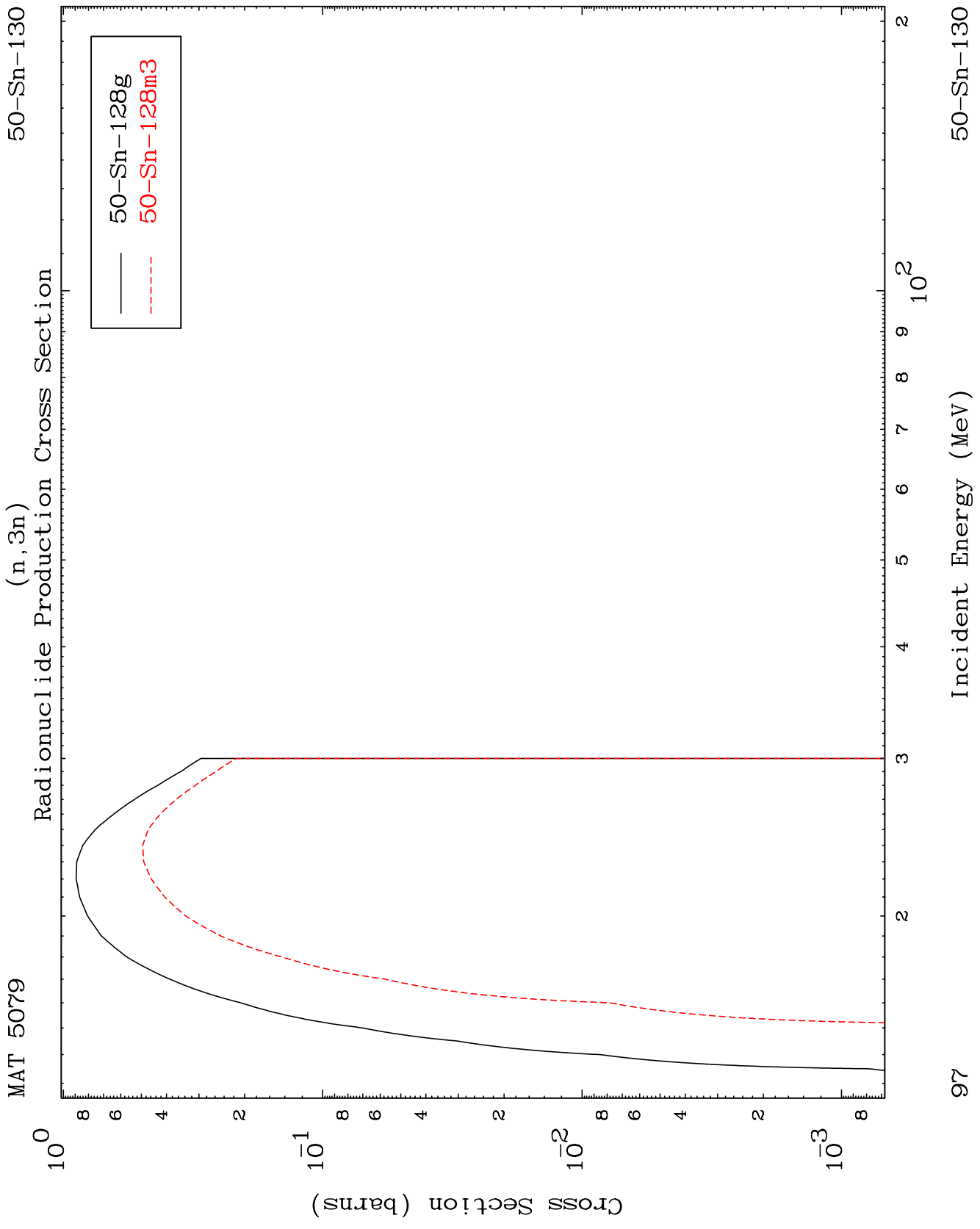
(n,2n)
Radionuclide Production Cross Section



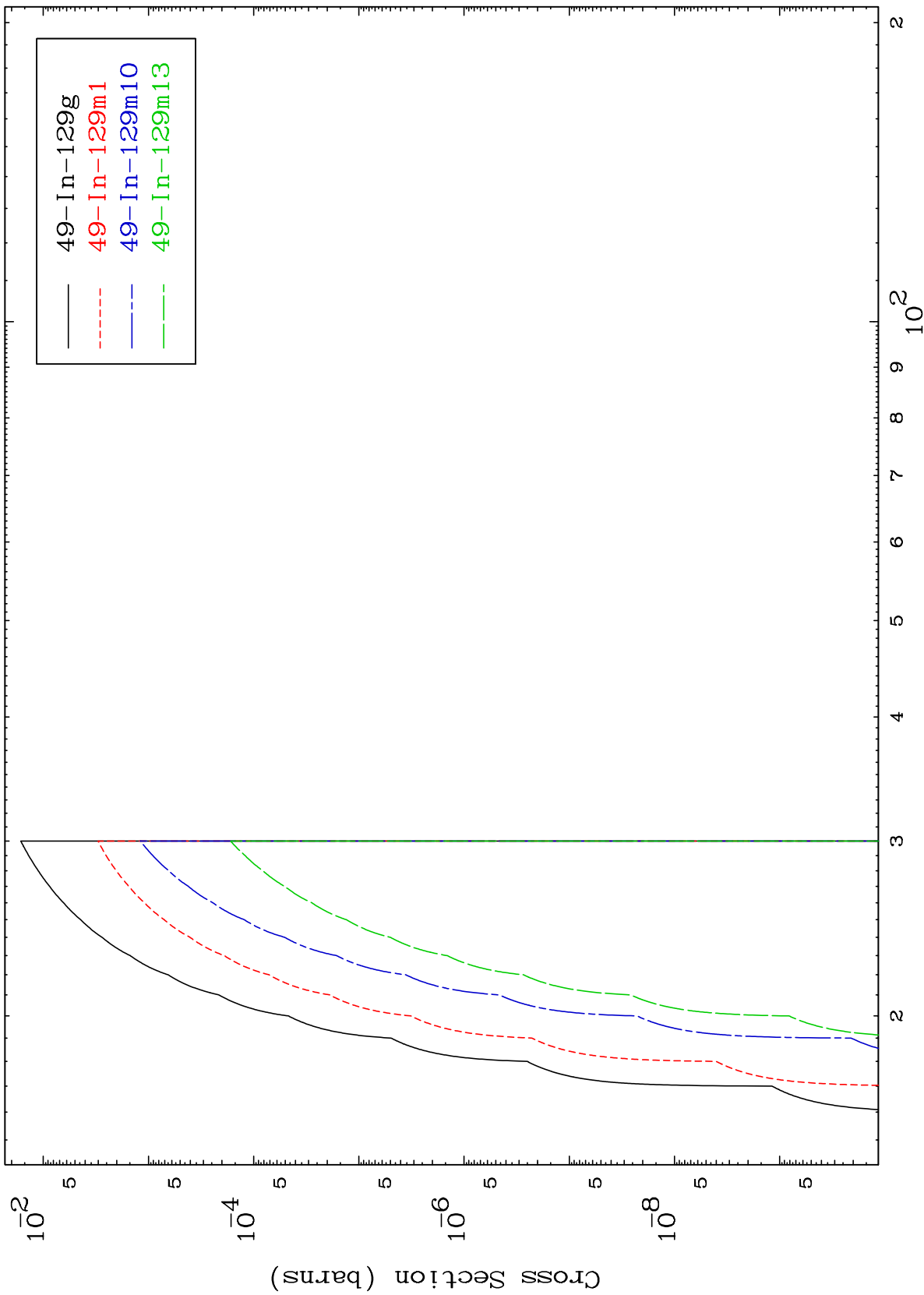
50-Sn-130

Incident Energy (MeV)

96



Radionuclide Production Cross Section

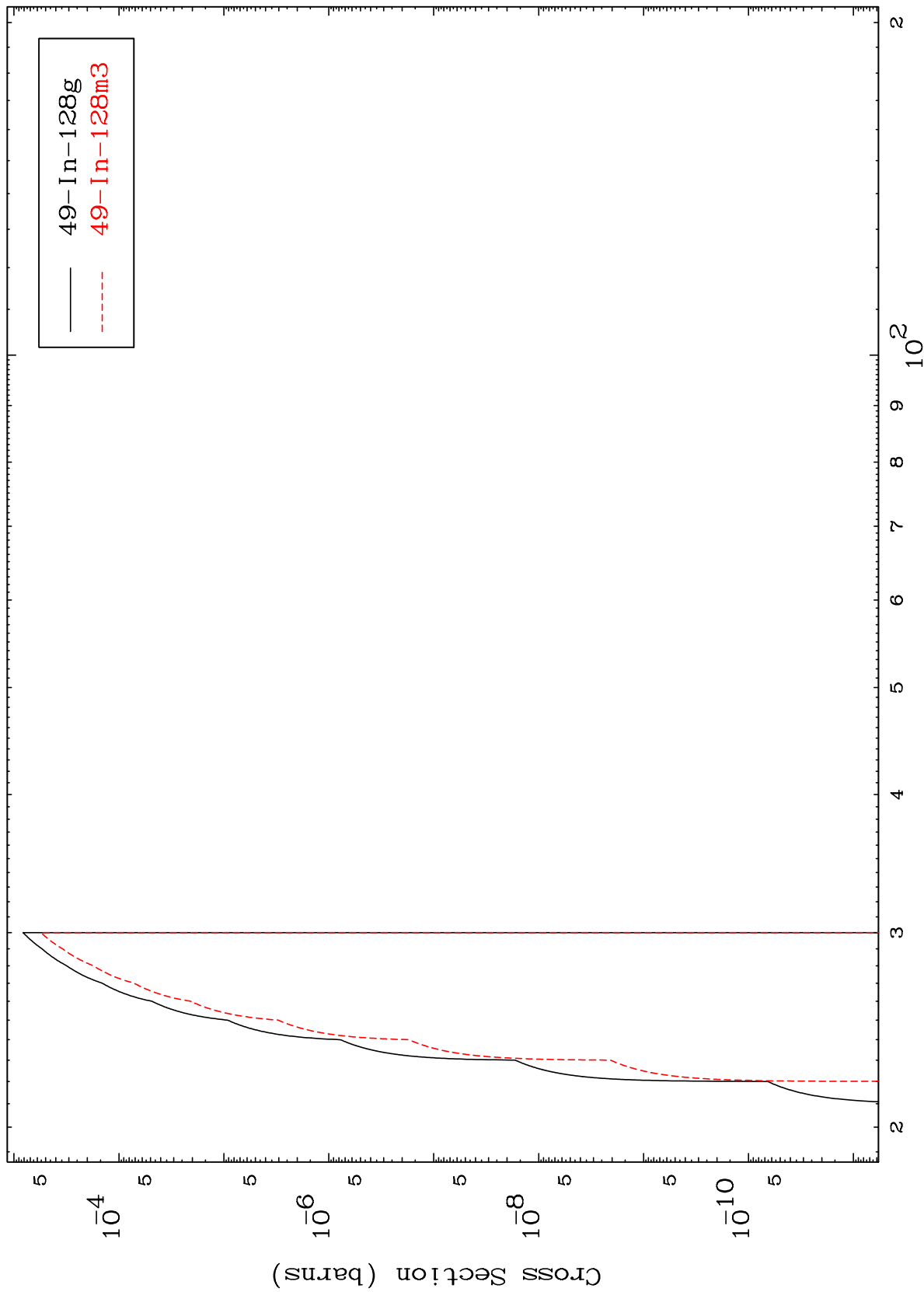


MAT 5079

(n,n') d

50-Sn-130

Radionuclide Production Cross Section



99

Incident Energy (MeV)

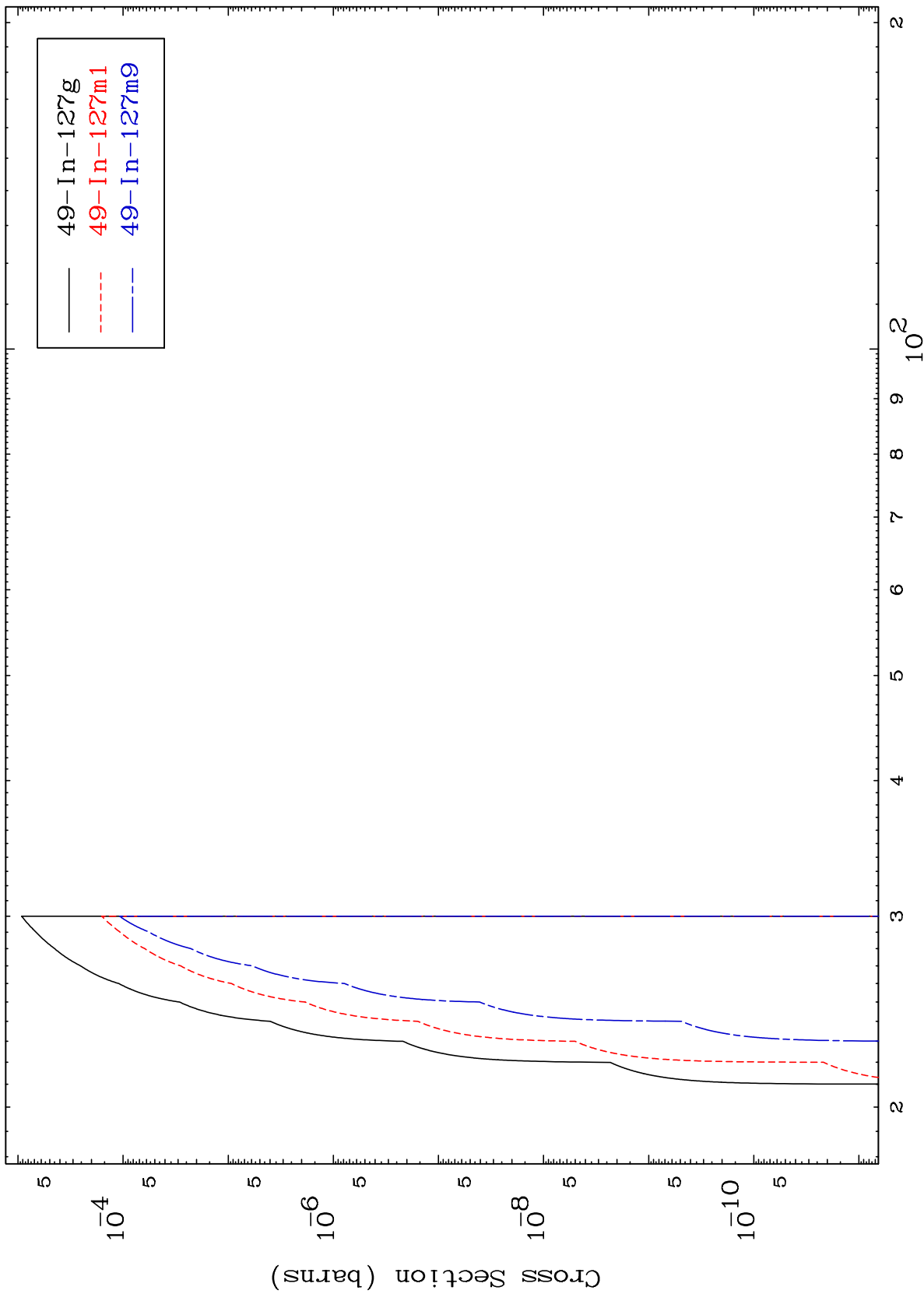
50-Sn-130

MAT 5079

(n,n') t

50-Sn-130

Radionuclide Production Cross Section



100

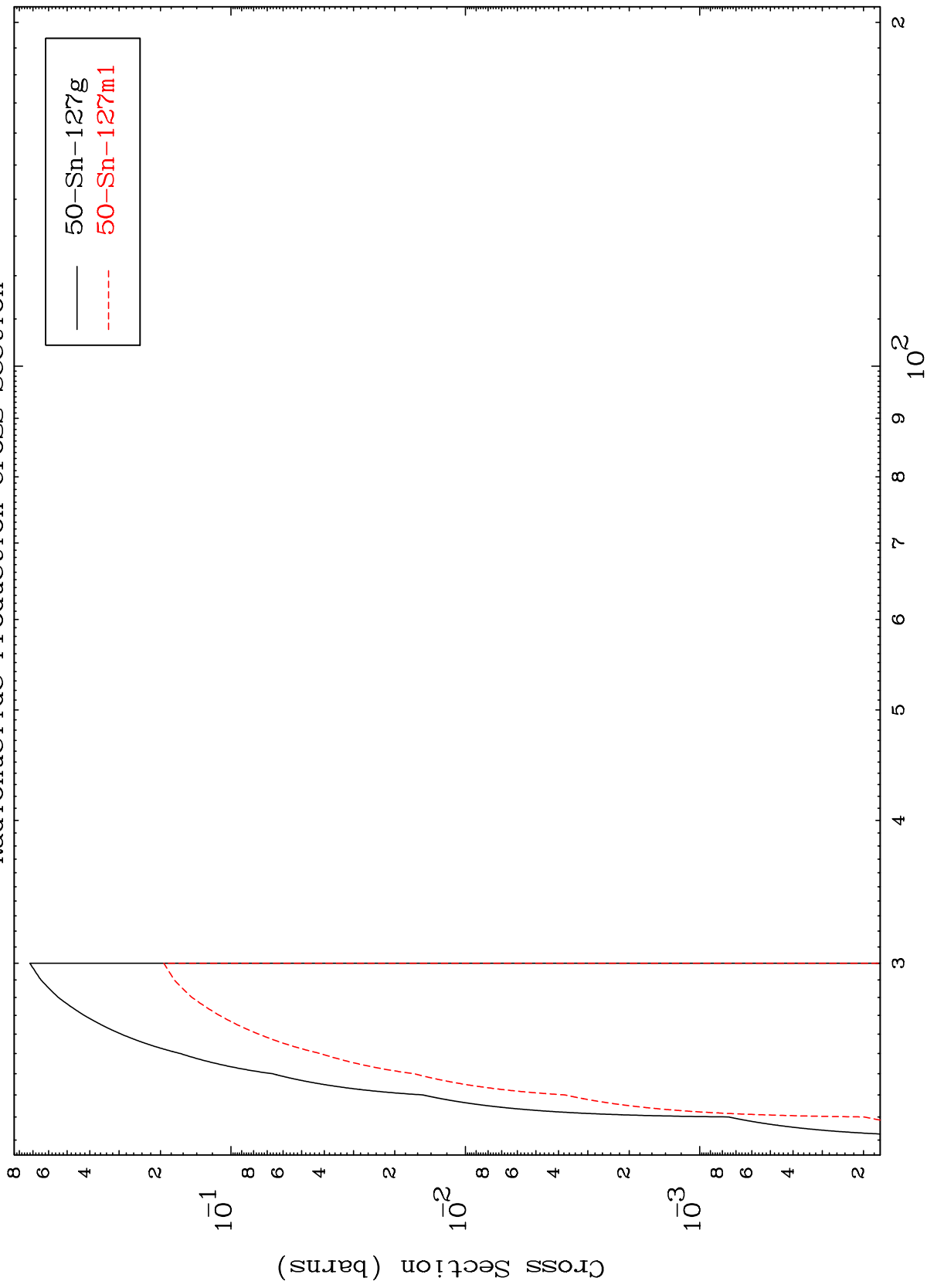
Incident Energy (MeV)

50-Sn-130

MAT 5079

50-Sn-130

(n,4n)
Radionuclide Production Cross Section



50-Sn-130

Incident Energy (MeV)

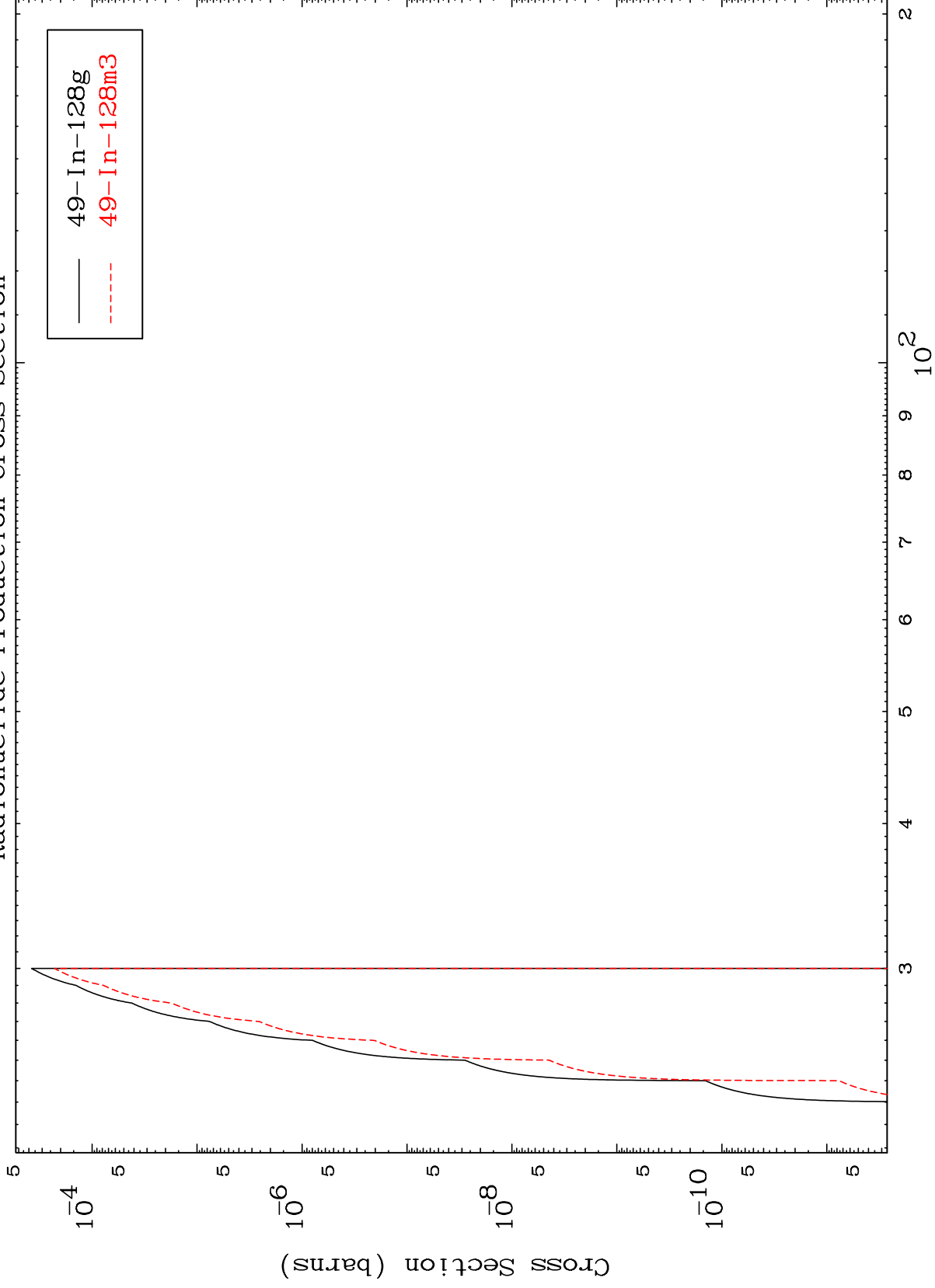
101

MAT 5079

(n,2n) p

50-Sn-130

Radionuclide Production Cross Section



102

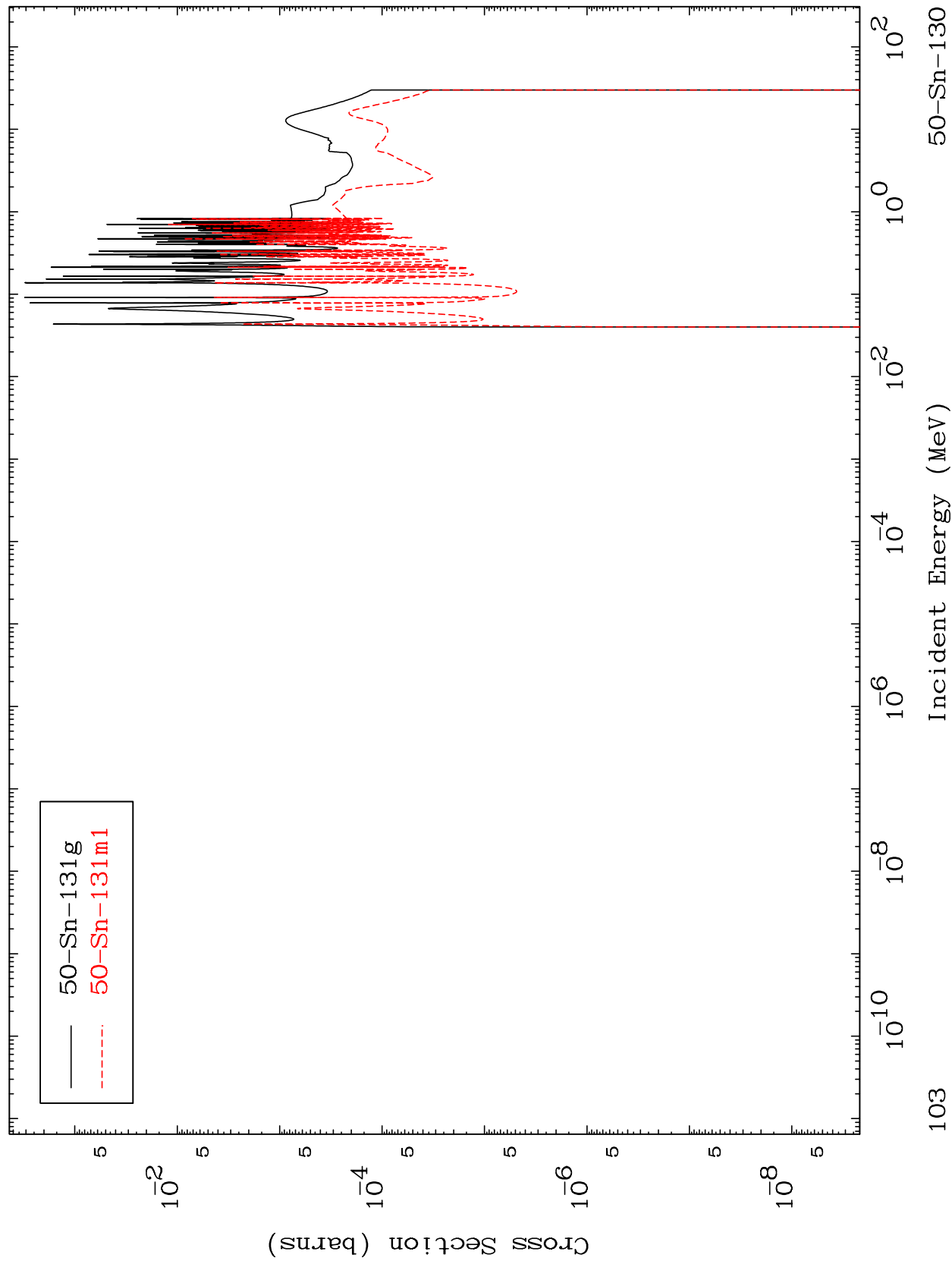
Incident Energy (MeV)

50-Sn-130

MAT 5079

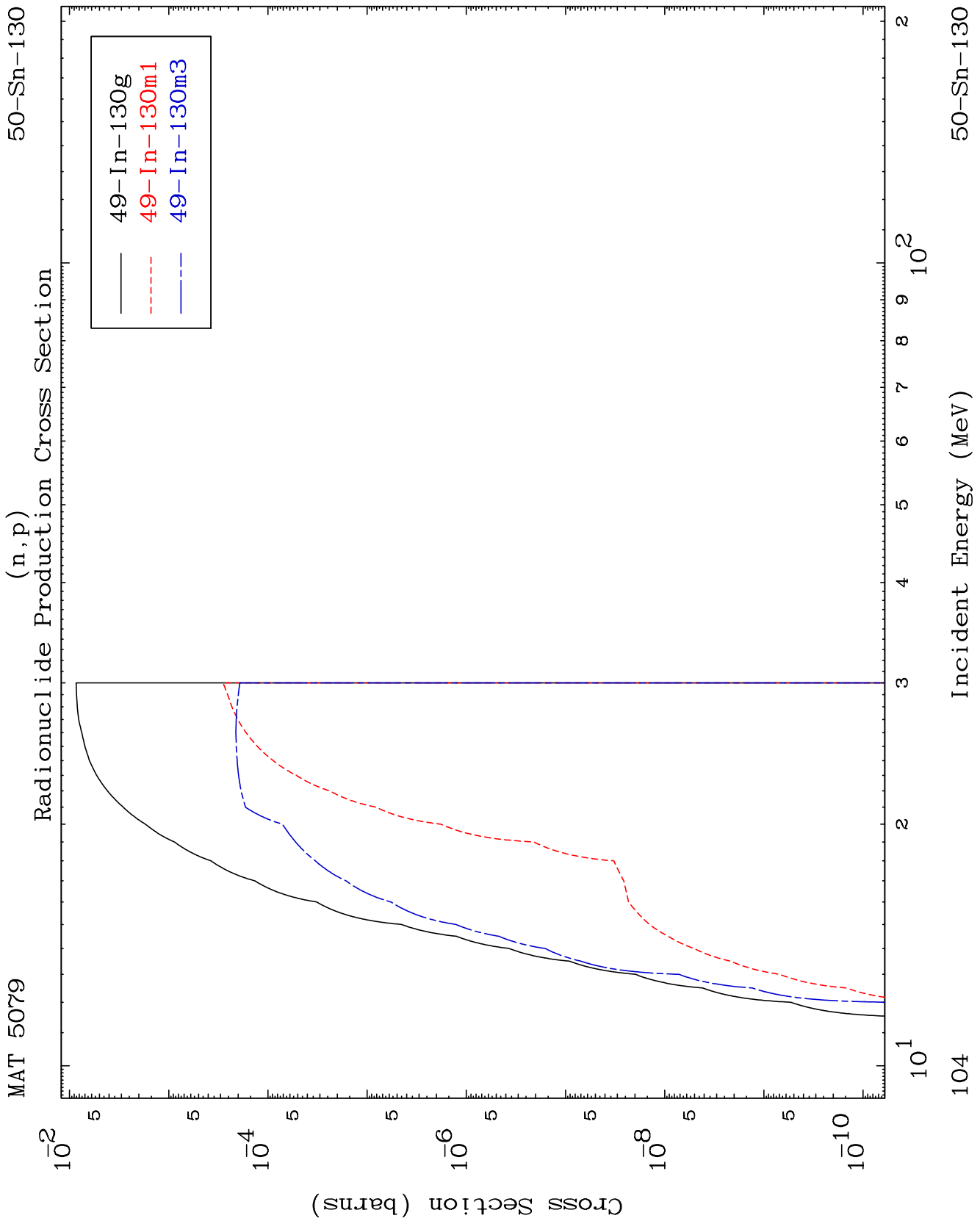
50-Sn-130

(n, γ)
Radionuclide Production Cross Section



103

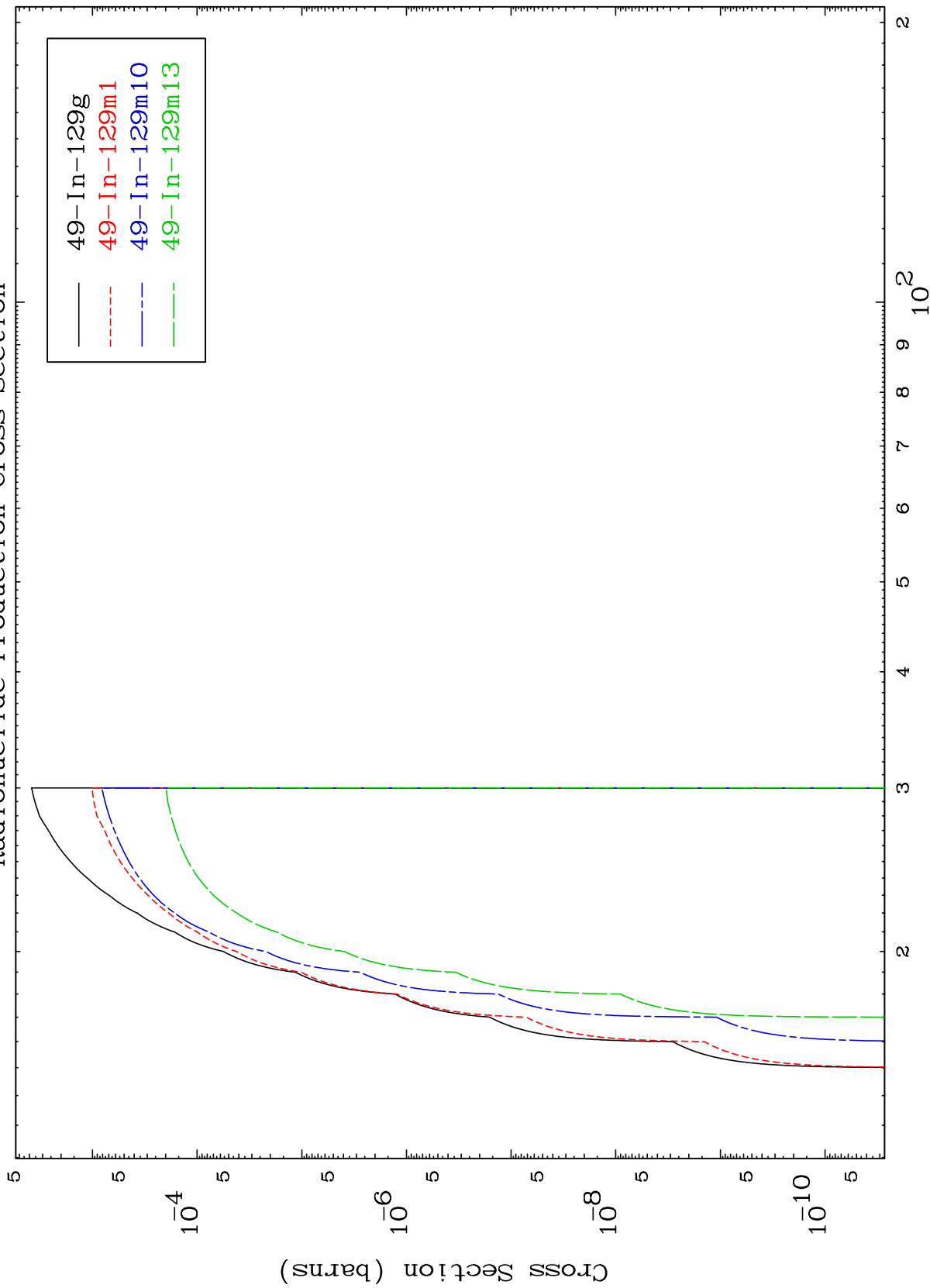
50-Sn-130



MAT 5079

50-Sn-130

(n,d)
Radionuclide Production Cross Section



105

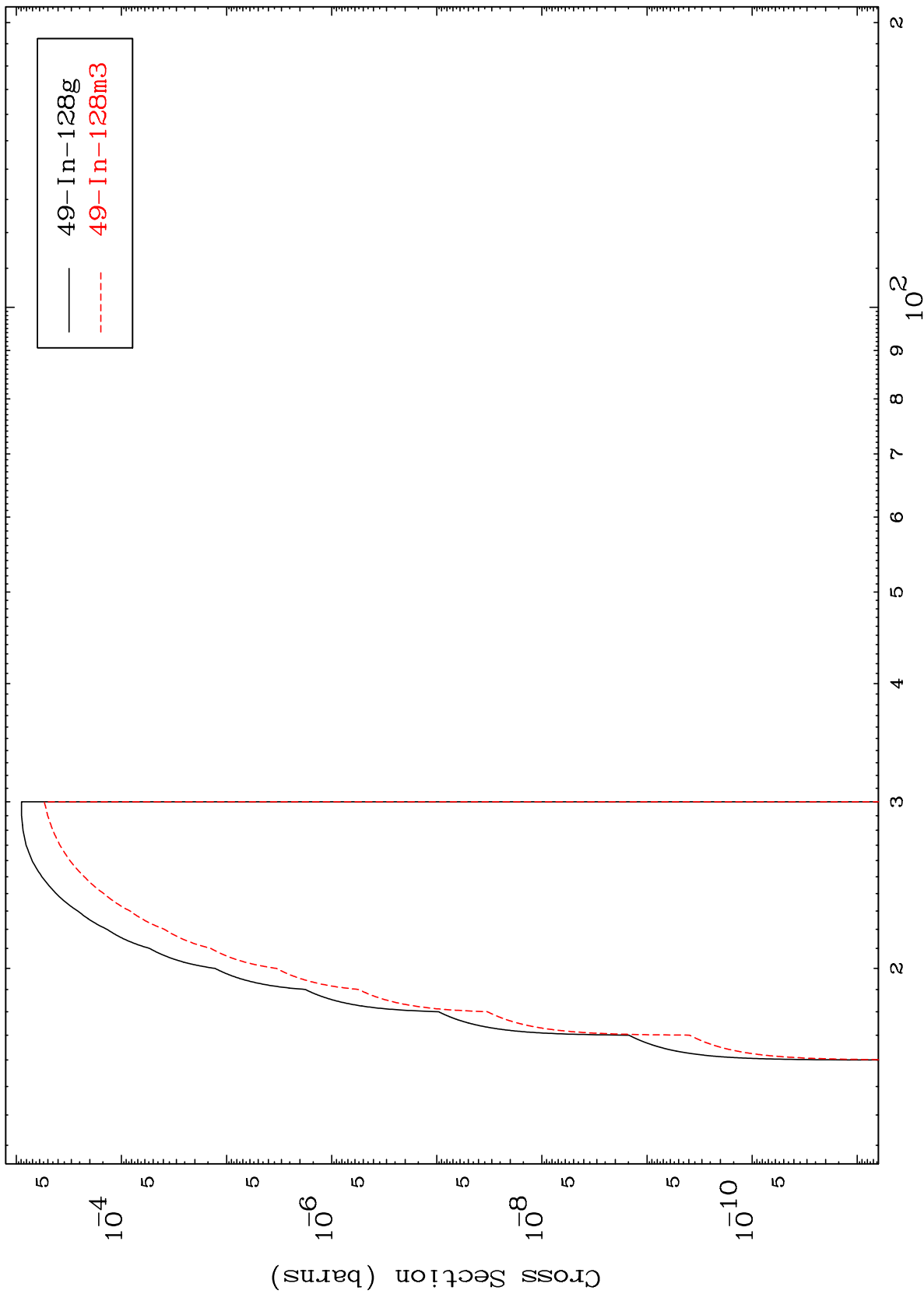
Incident Energy (MeV)

50-Sn-130

MAT 5079

50-Sn-130

(n,t)
Radionuclide Production Cross Section



106

50-Sn-130

Incident Energy (MeV)