

Program EVALPLOT
(Version 2021-1)

by

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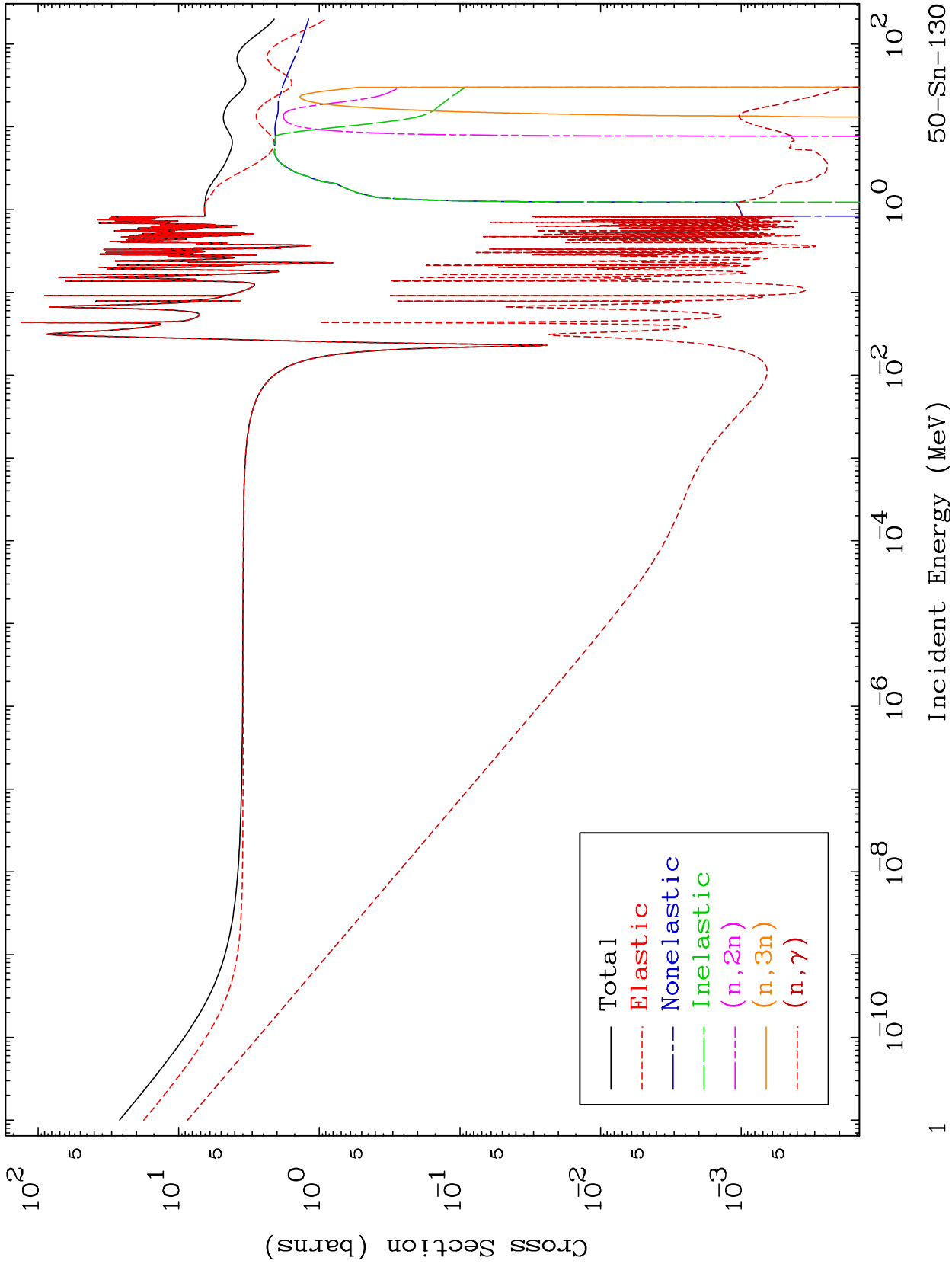
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Press Mouse Button to Start

MAT 5079

Neutron Major
293 Kelvin Cross Sections

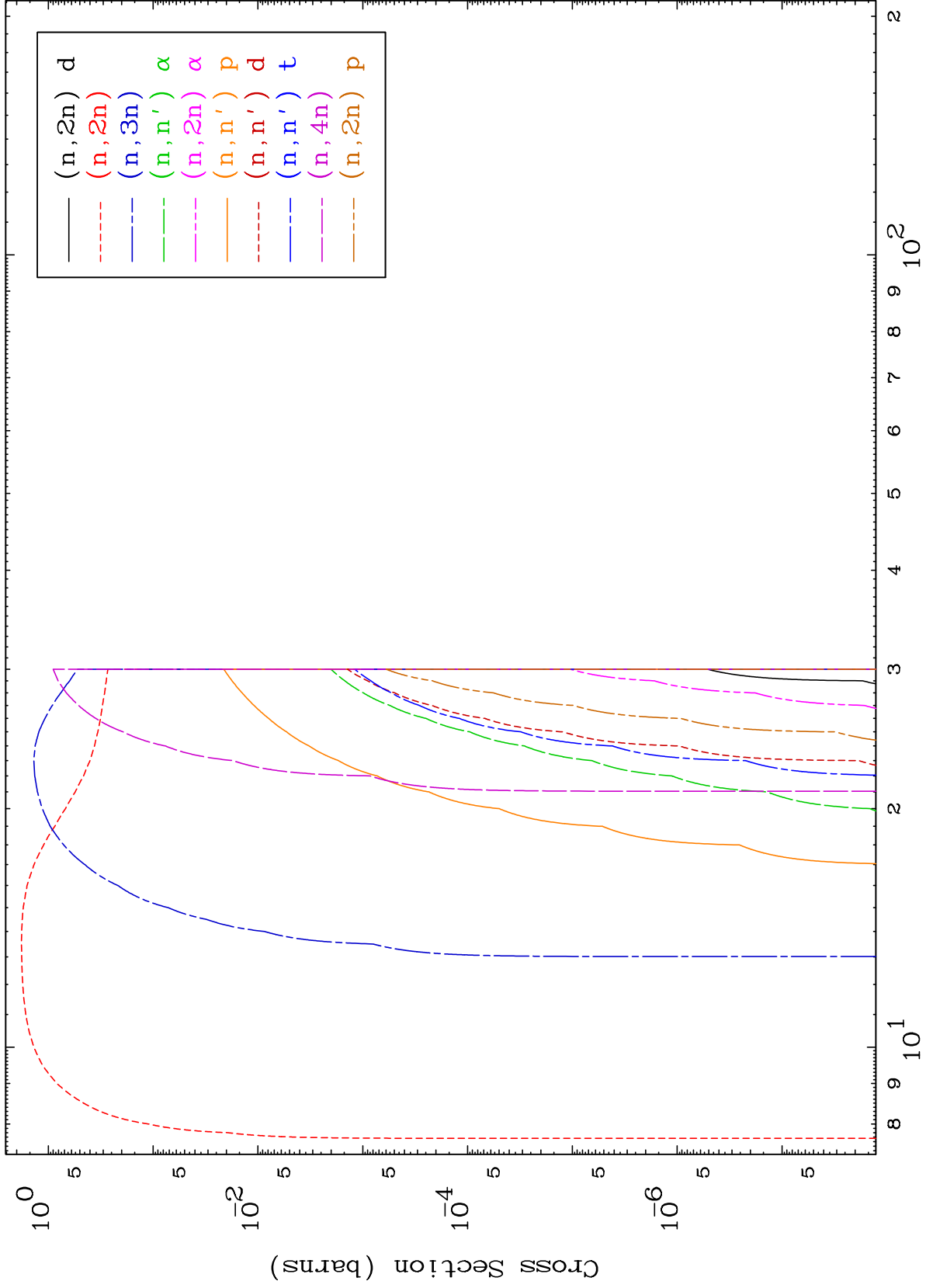
50-Sn-130



MAT 5079

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-130



2

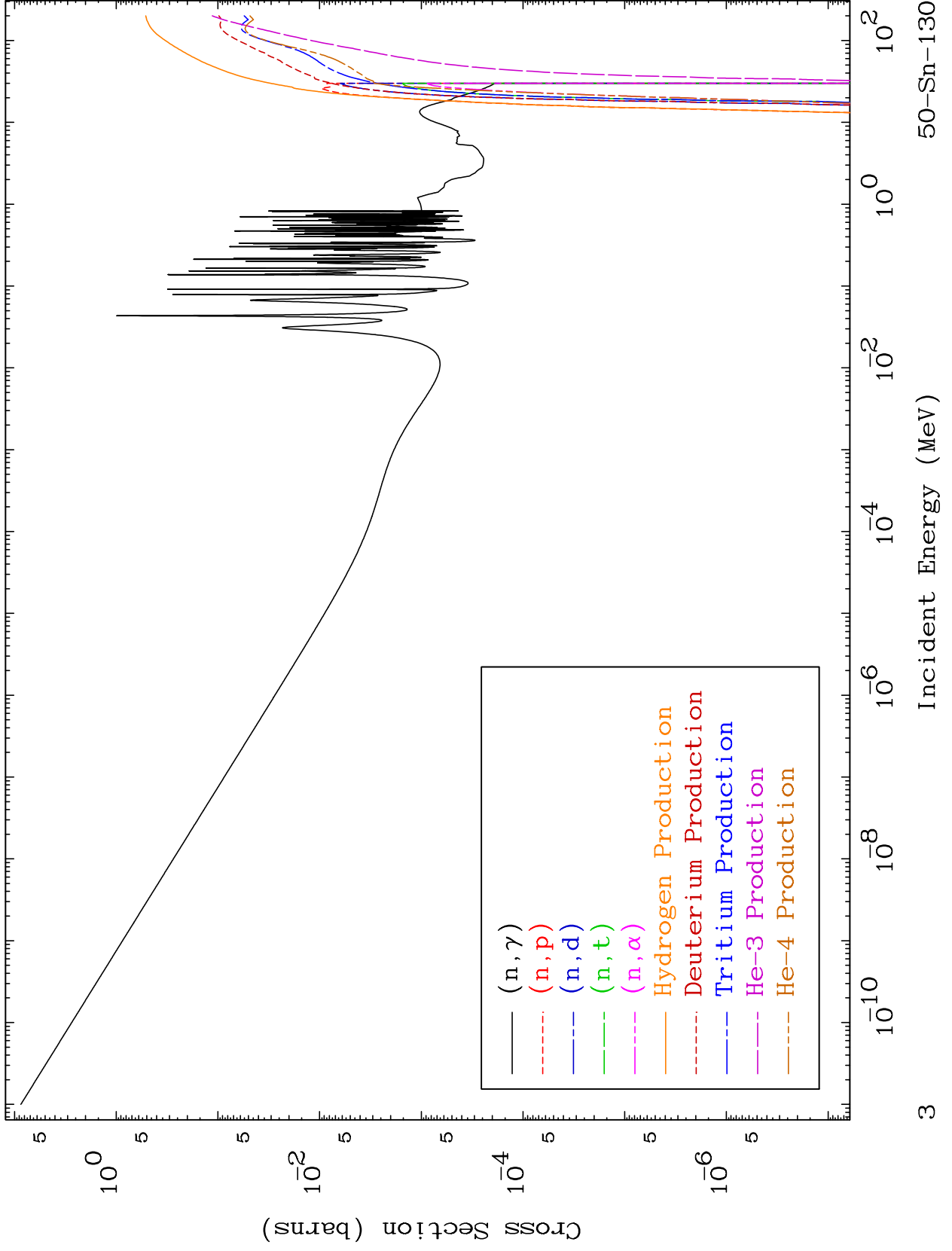
Incident Energy (MeV)

50-Sn-130

MAT 5079

Neutron Absorption
293 Kelvin Cross Sections

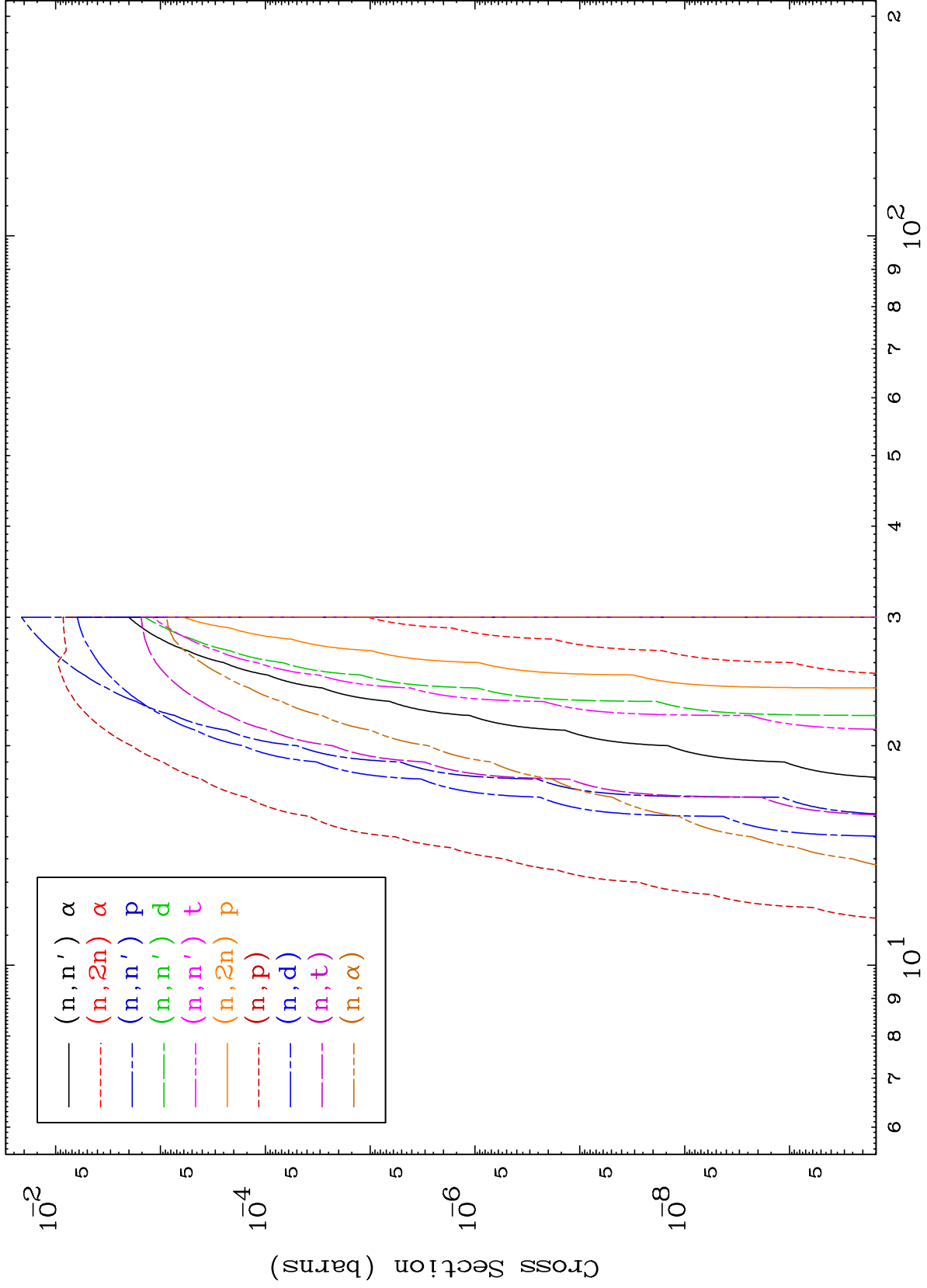
50-Sn-130



MAT 5079

Charged Particle
293 Kelvin Cross Sections

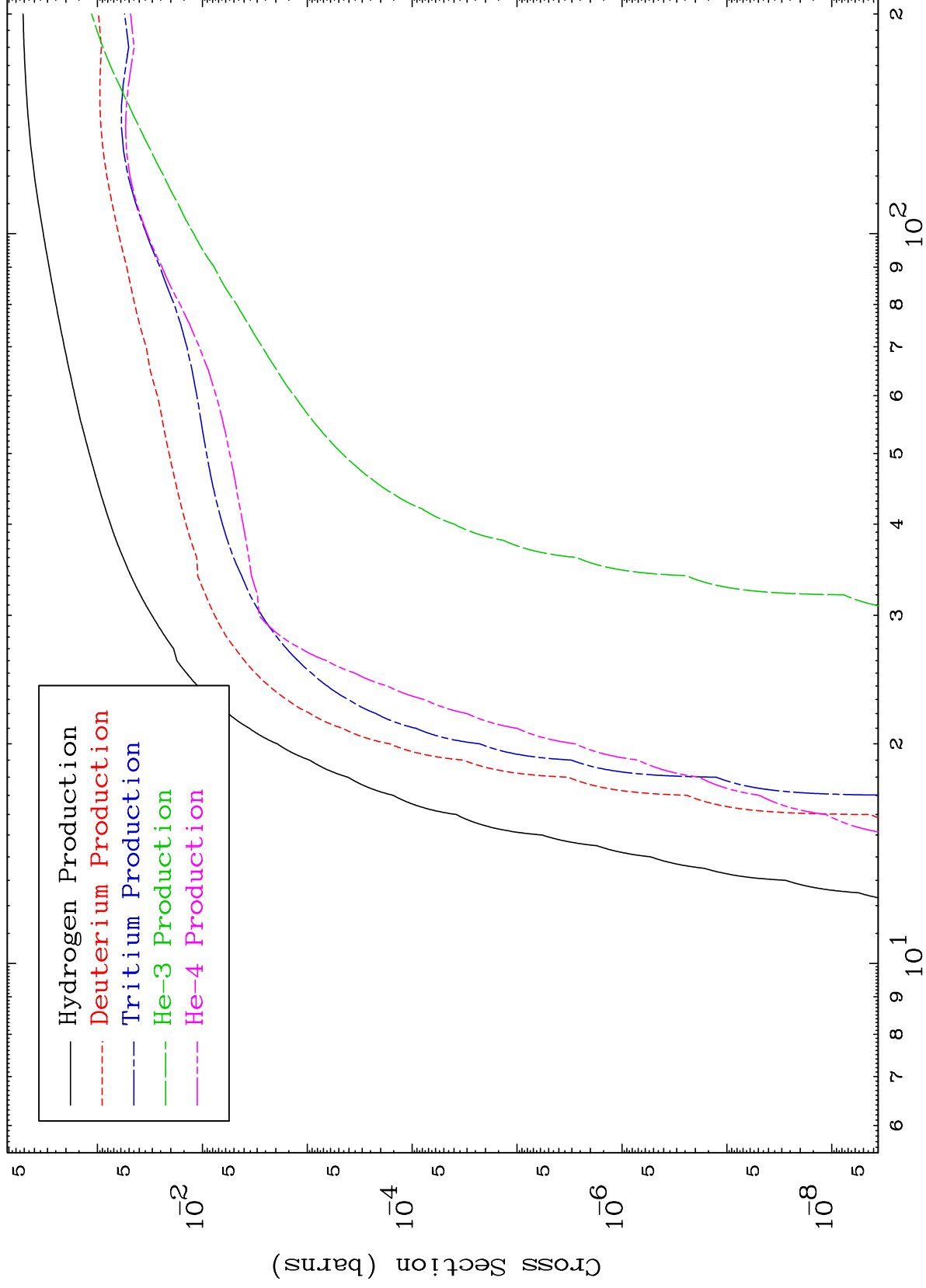
50-Sn-130



MAT 5079

Particle Production
293 Kelvin Cross Sections

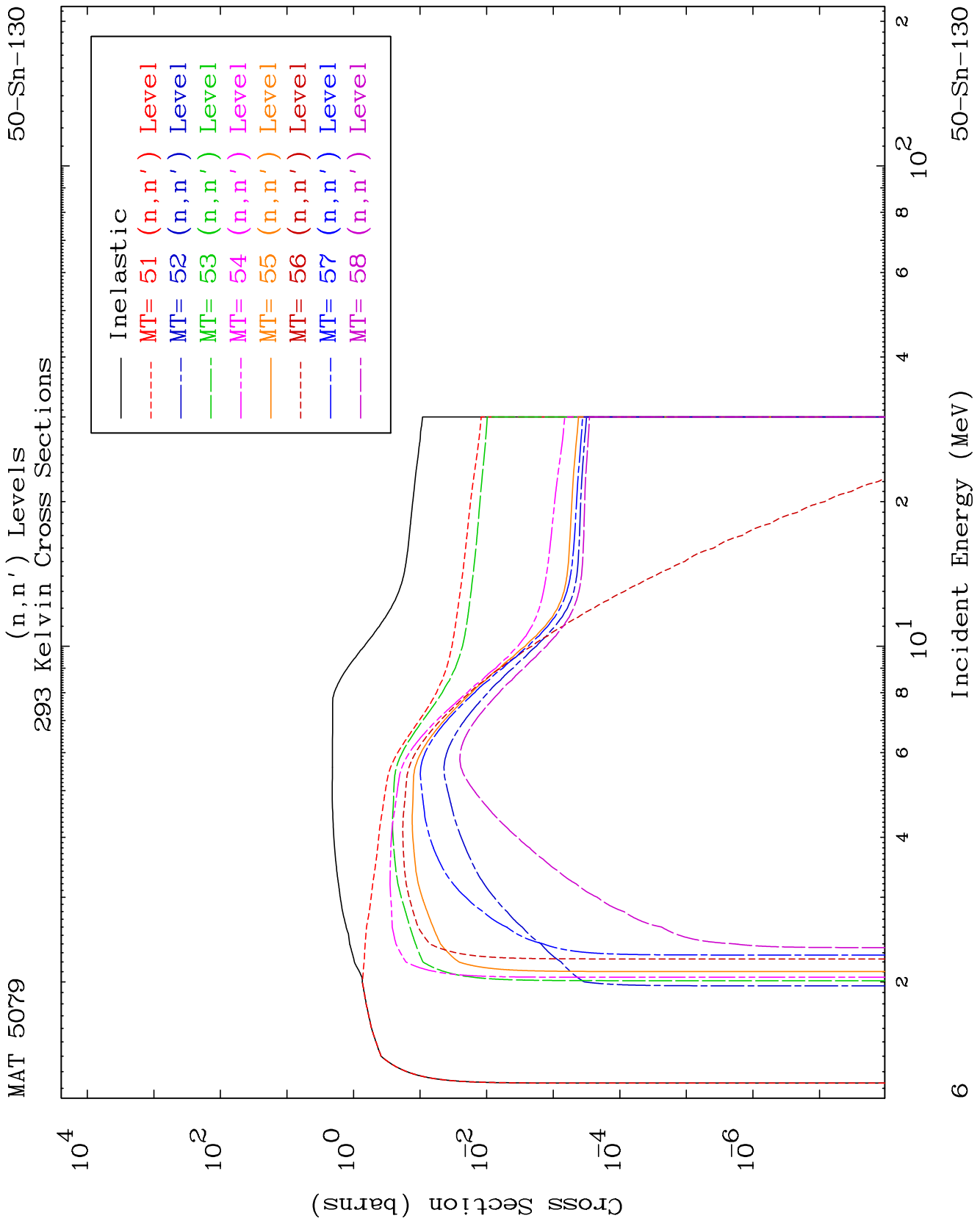
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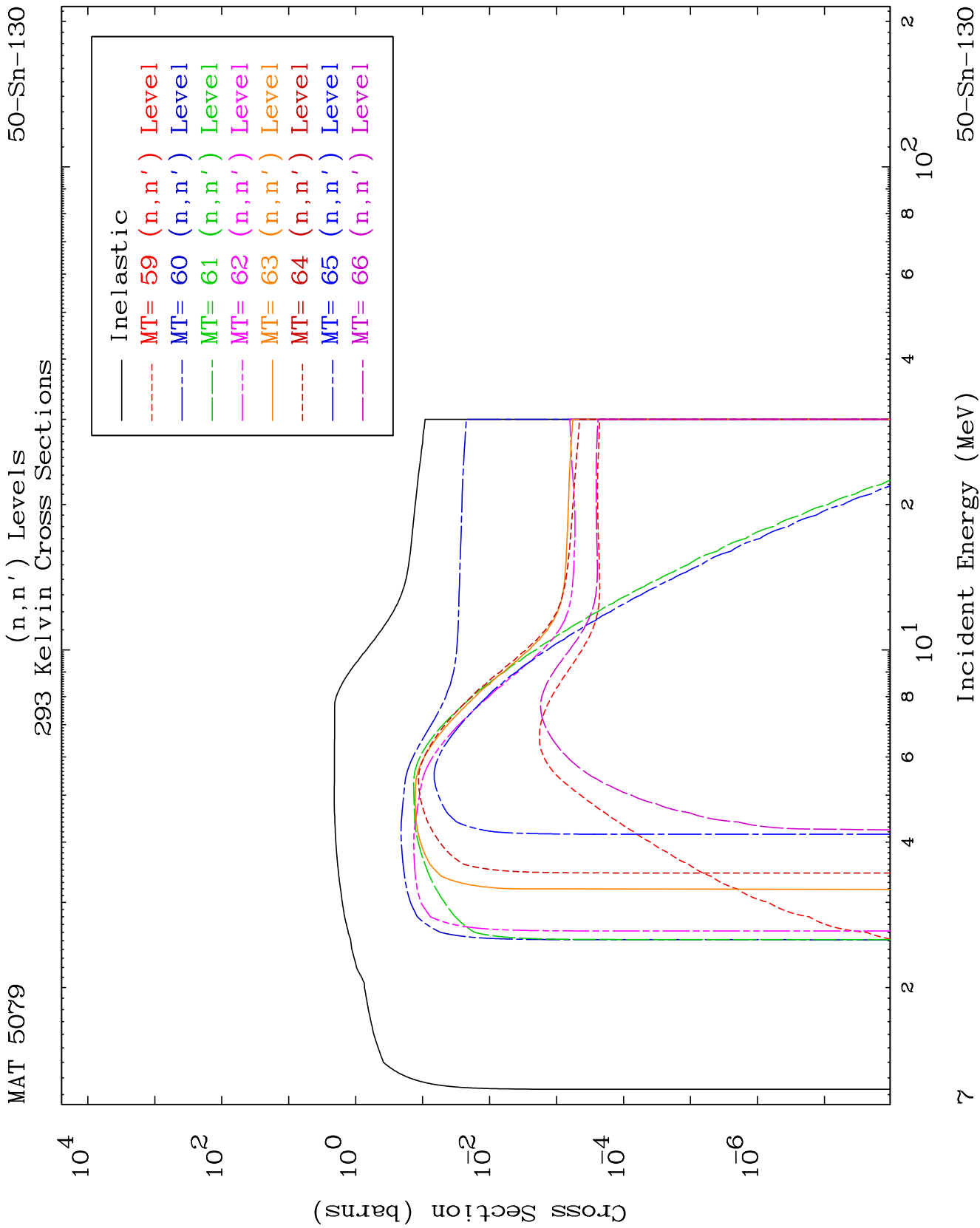


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Incident Energy (MeV)

50-Sn-130

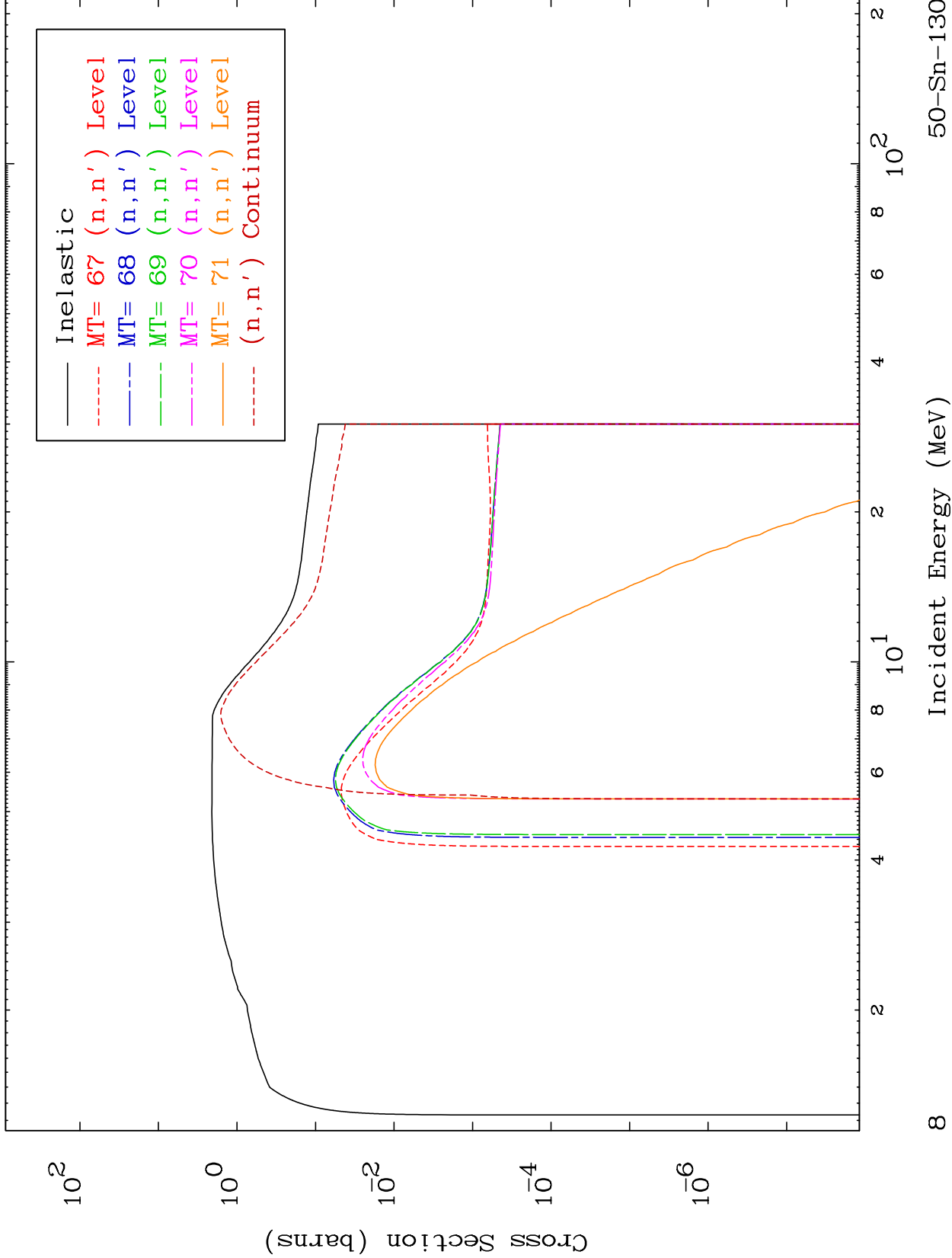




MAT 5079

(n,n') Levels
293 Kelvin Cross Sections

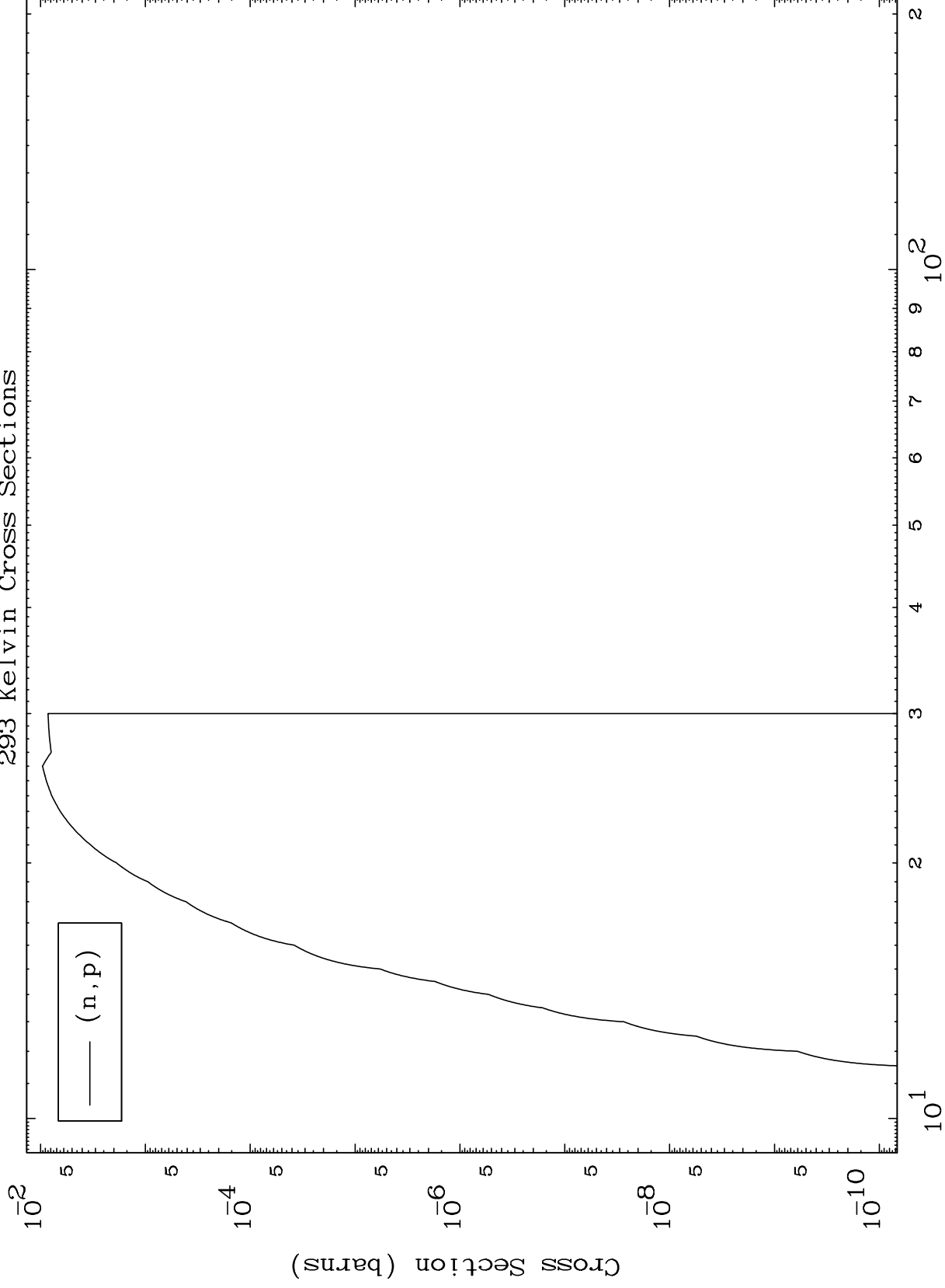
50-Sn-130



MAT 5079

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-130



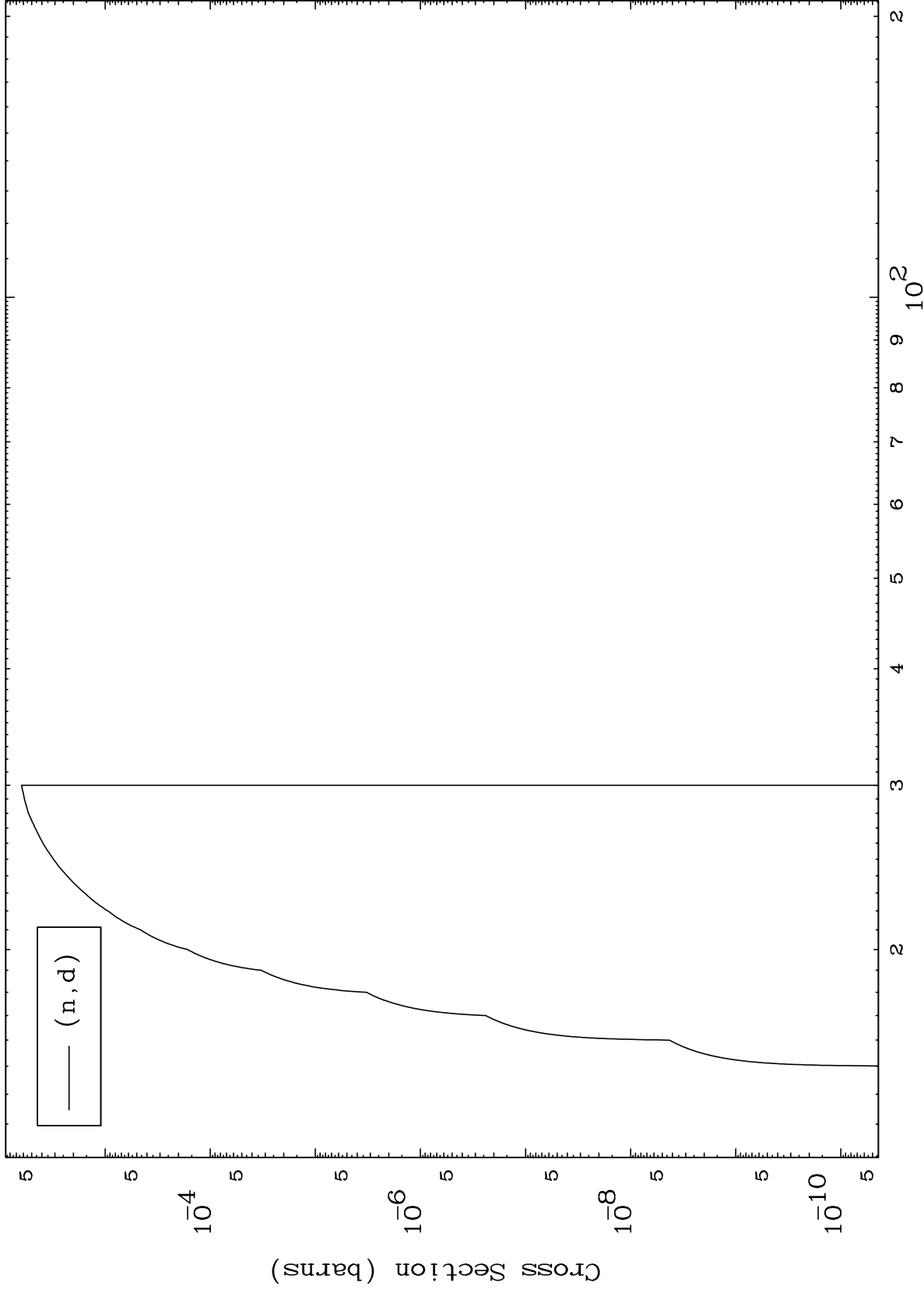
Incident Energy (MeV)

50-Sn-130

MAT 5079

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-130



10

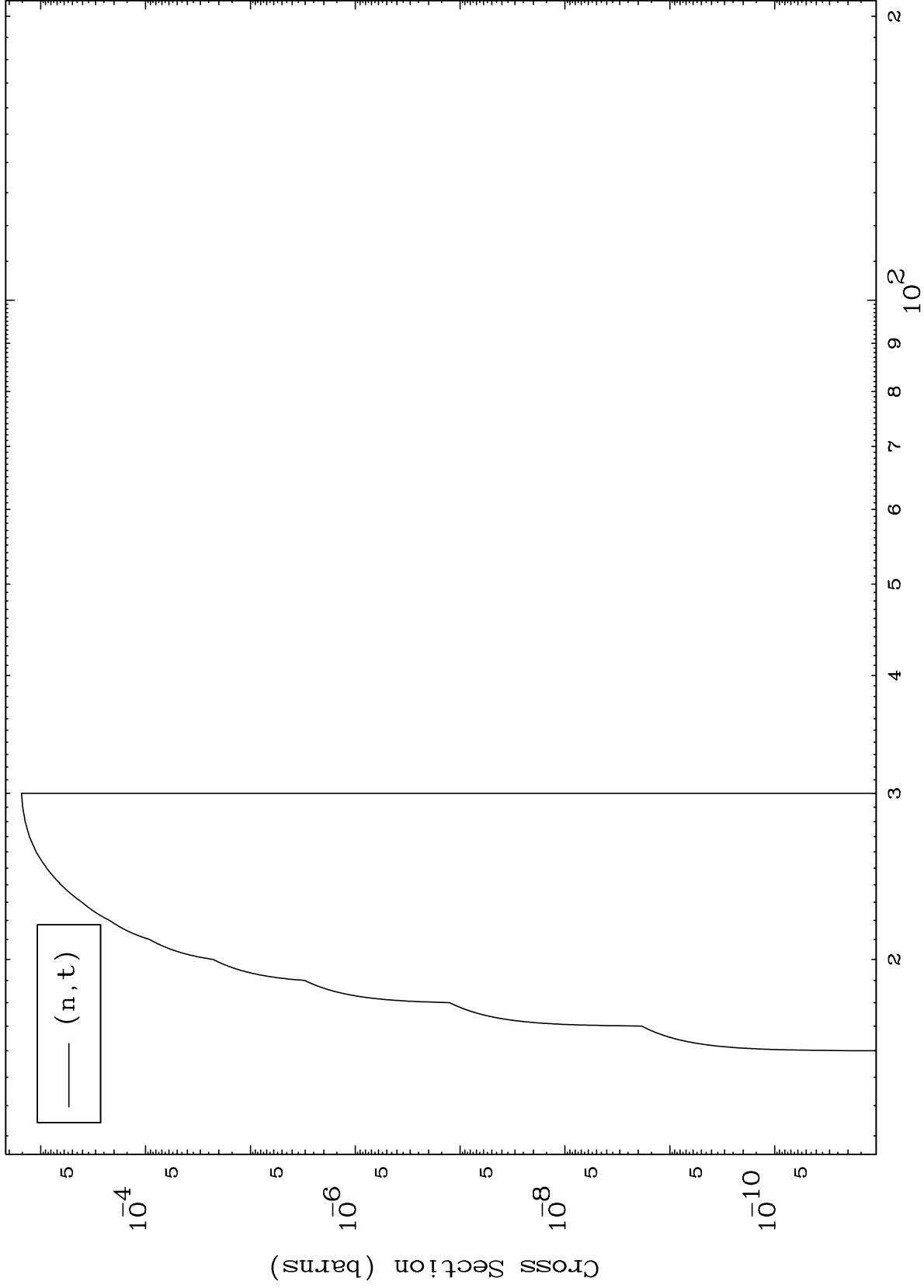
Incident Energy (MeV)

50-Sn-130

MAT 5079

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-130



11

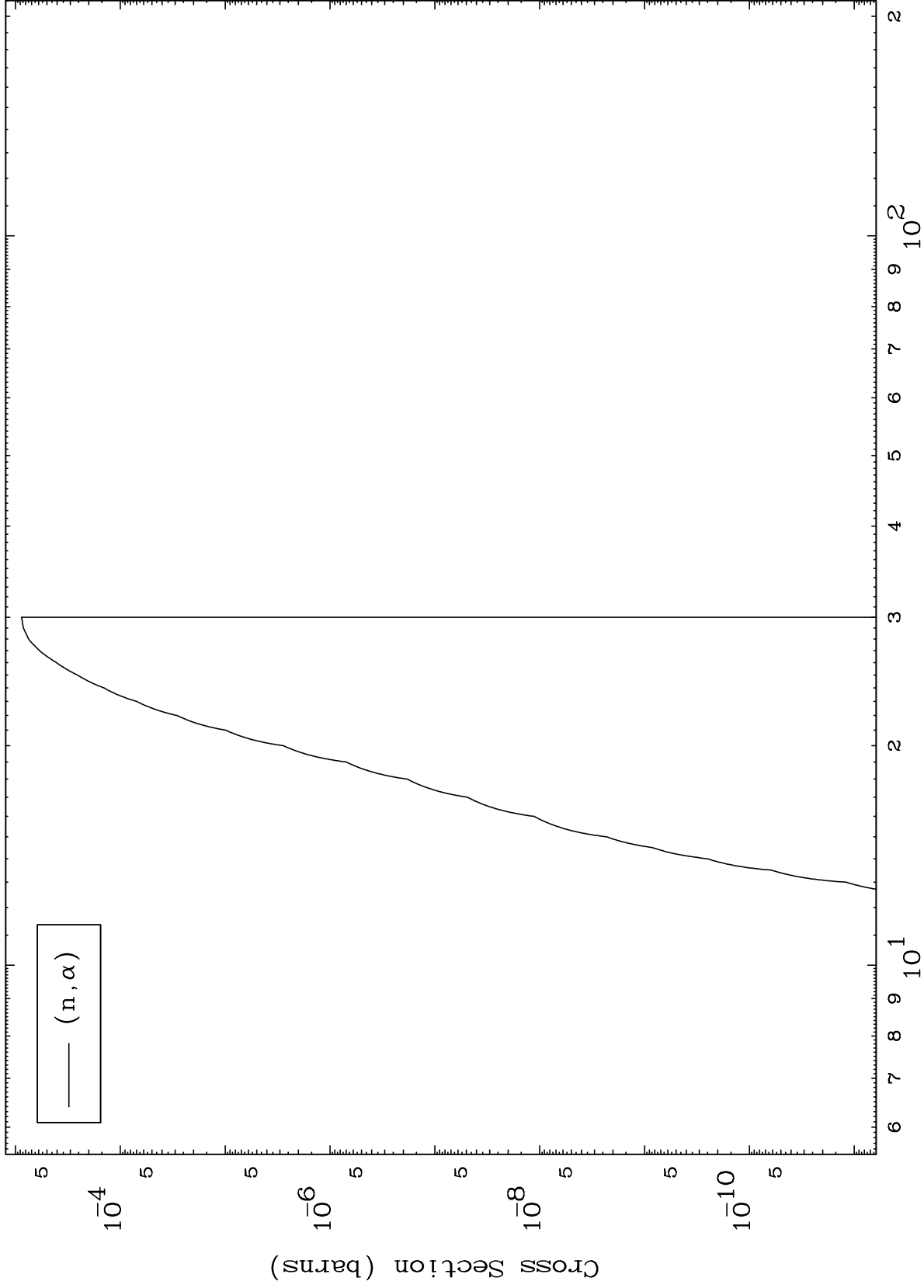
Incident Energy (MeV)

50-Sn-130

MAT 5079

(n, α) Levels
293 Kelvin Cross Sections

50-Sn-130



12

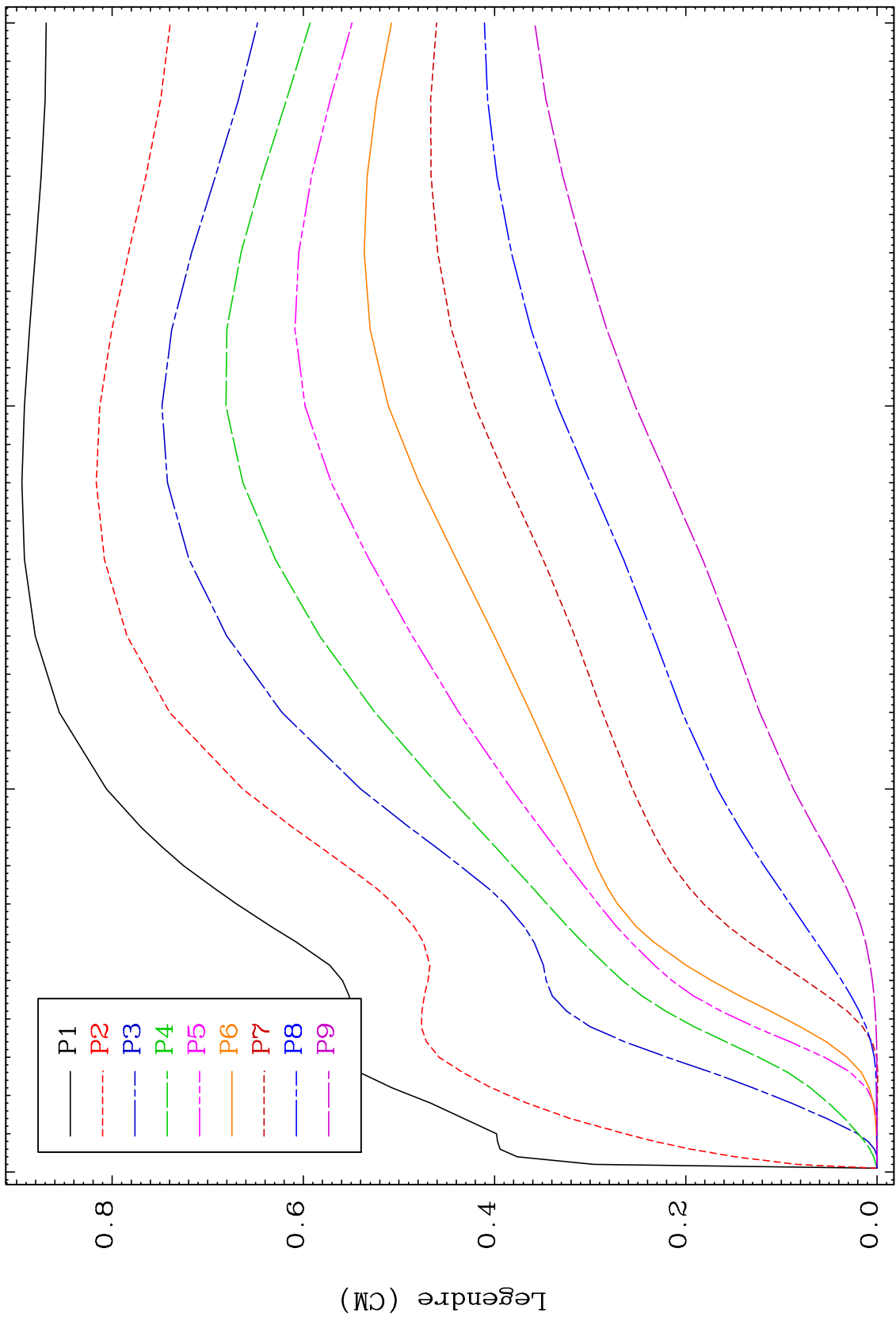
Incident Energy (MeV)

50-Sn-130

MAT 5079

Elastic Legendre Coefficients

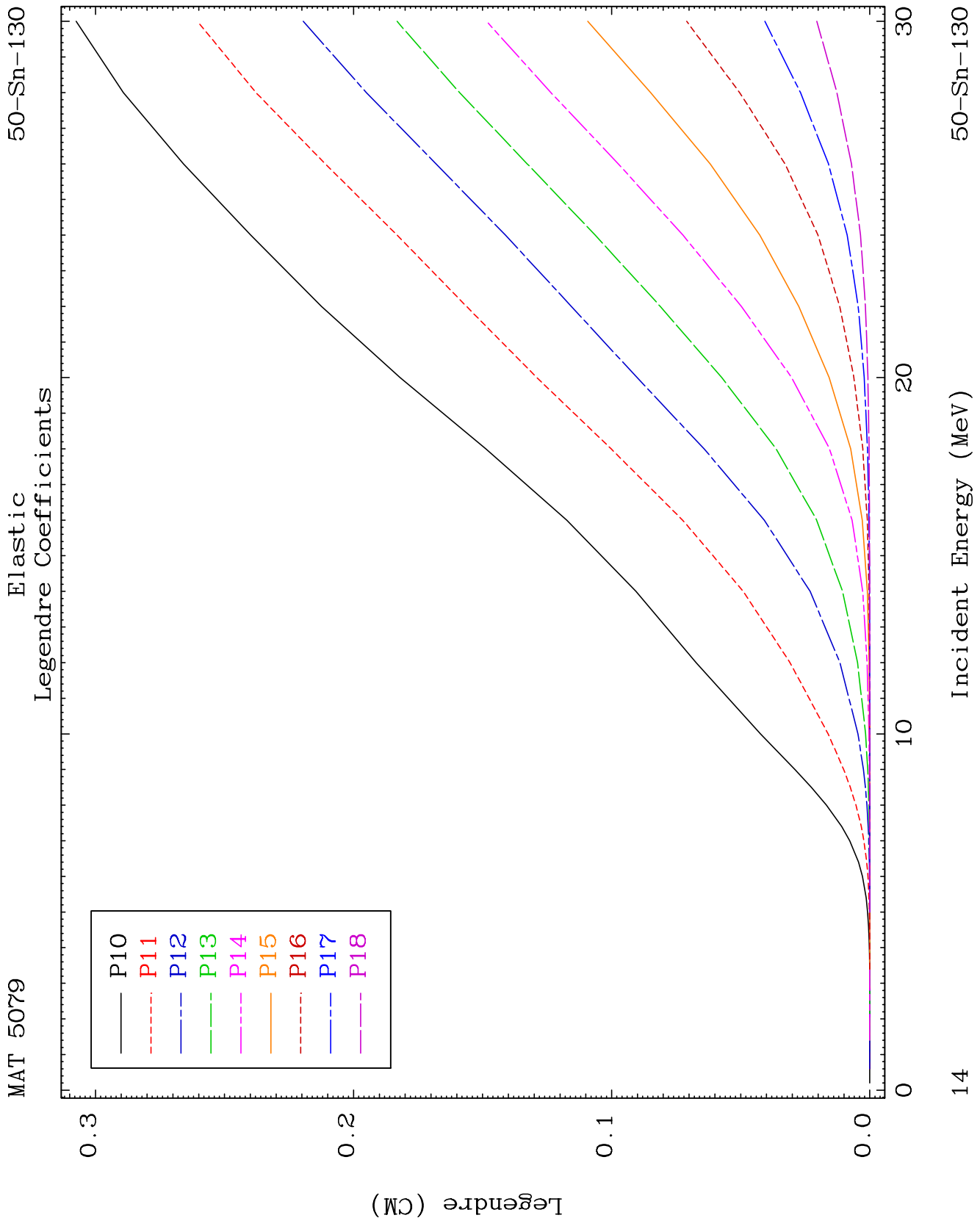
50-Sn-130



13

Incident Energy (MeV)

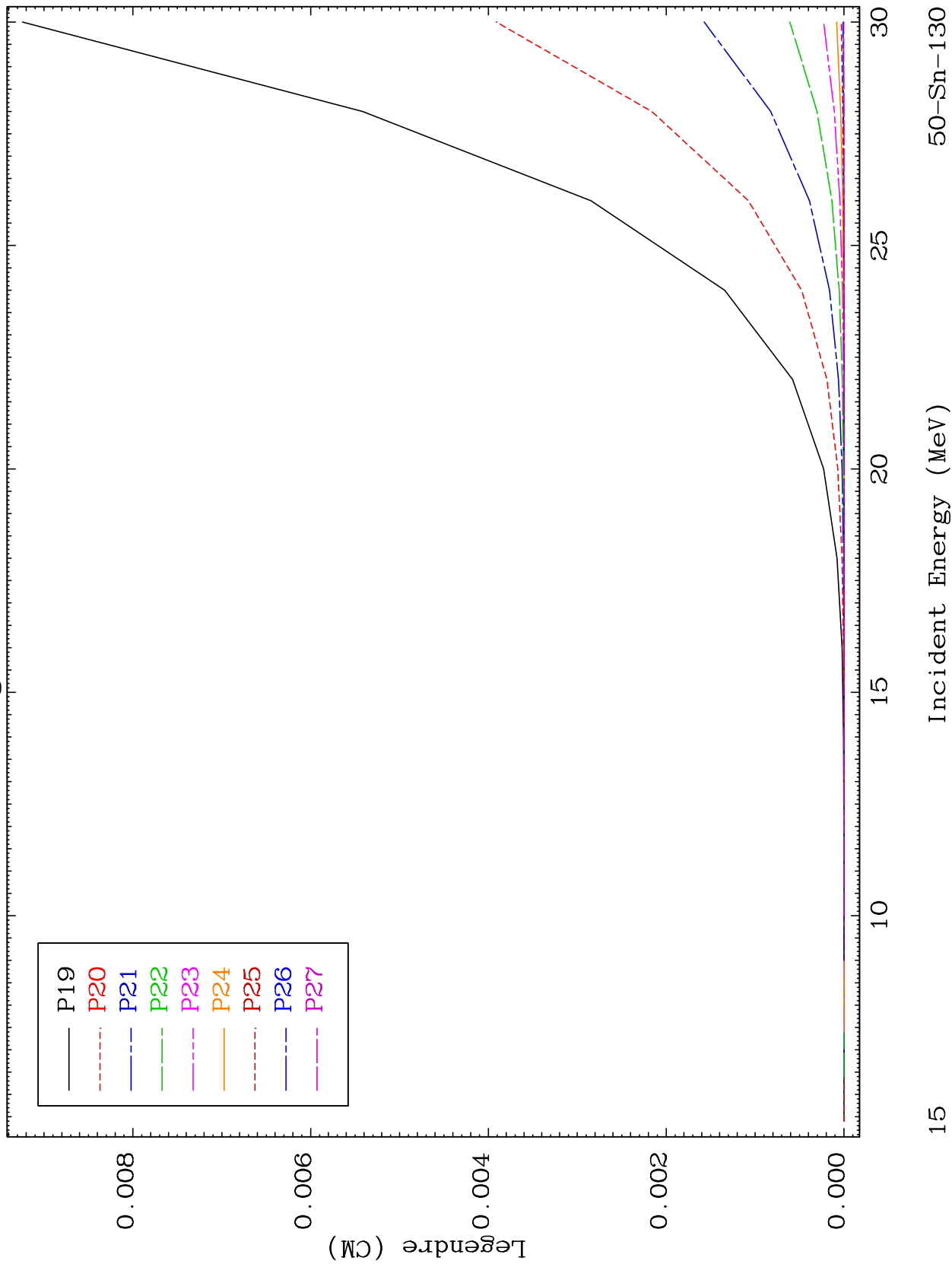
50-Sn-130



MAT 5079

Elastic Legendre Coefficients

50-Sn-130



15

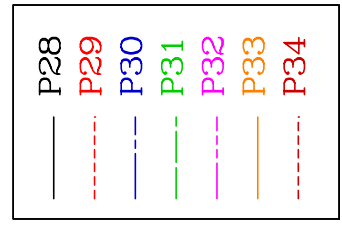
Incident Energy (MeV)

50-Sn-130

MAT 5079

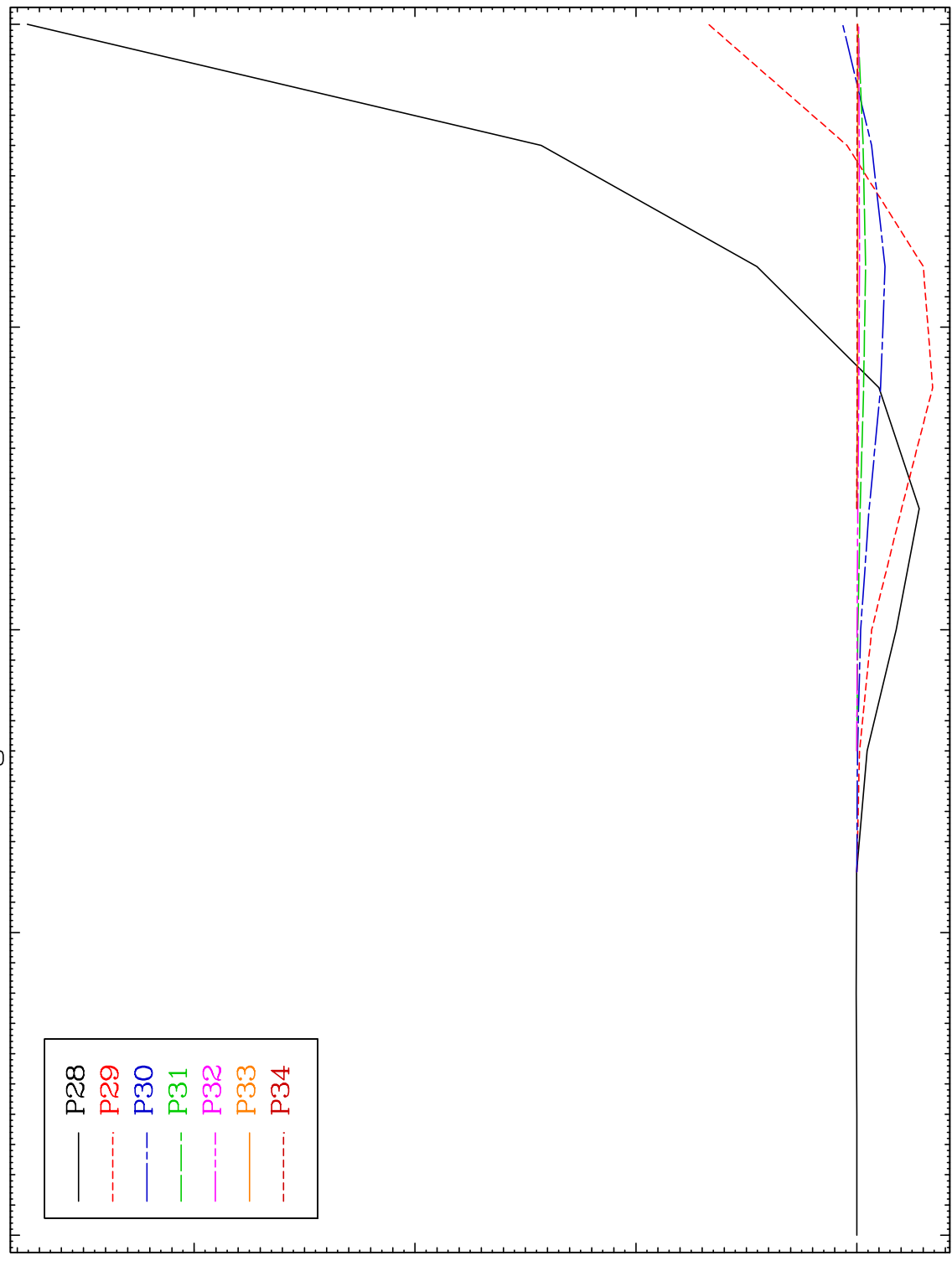
Elastic Legendre Coefficients

50-Sn-130



$\times 10^{-7}$

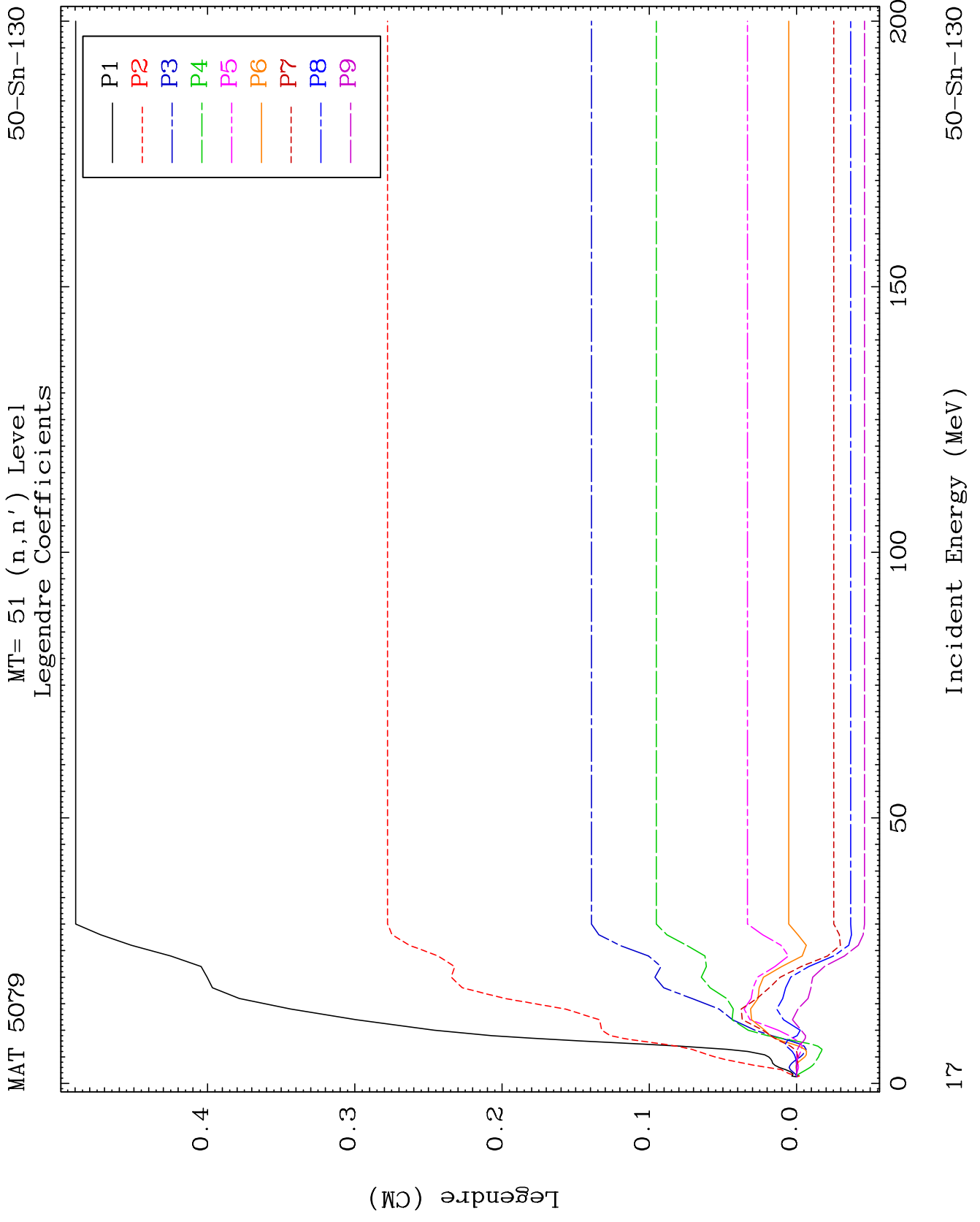
Legendre (CM)

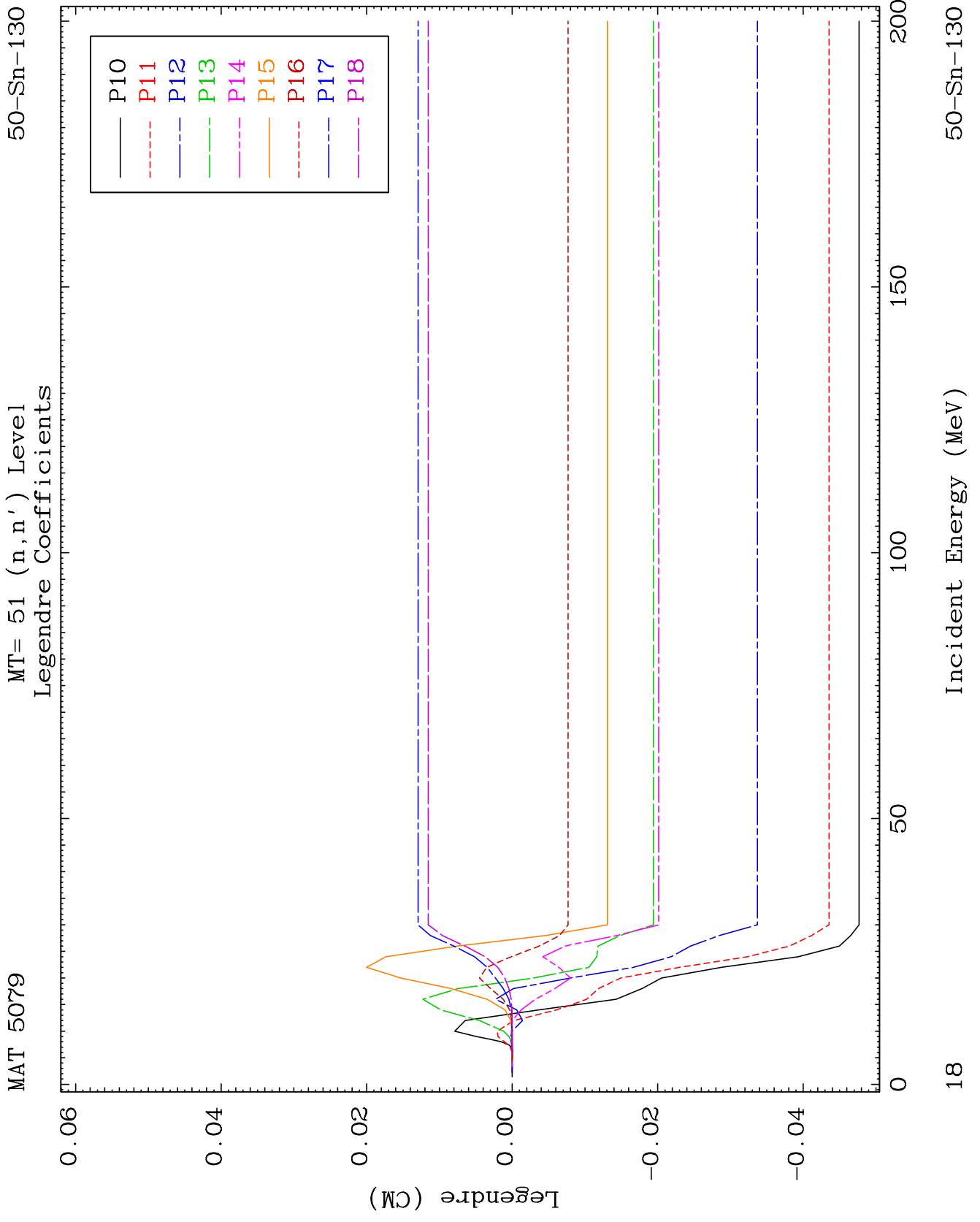


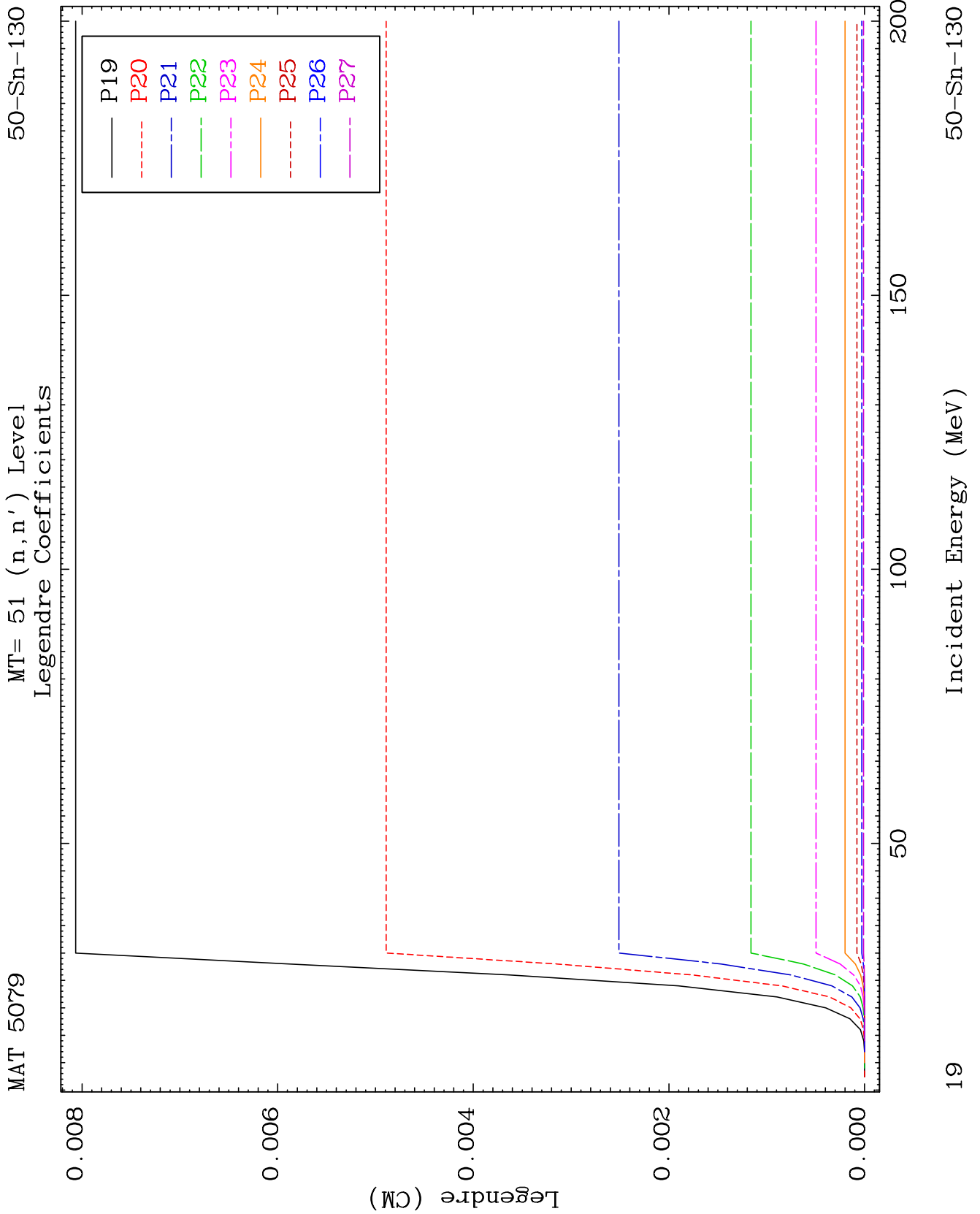
Incident Energy (MeV)

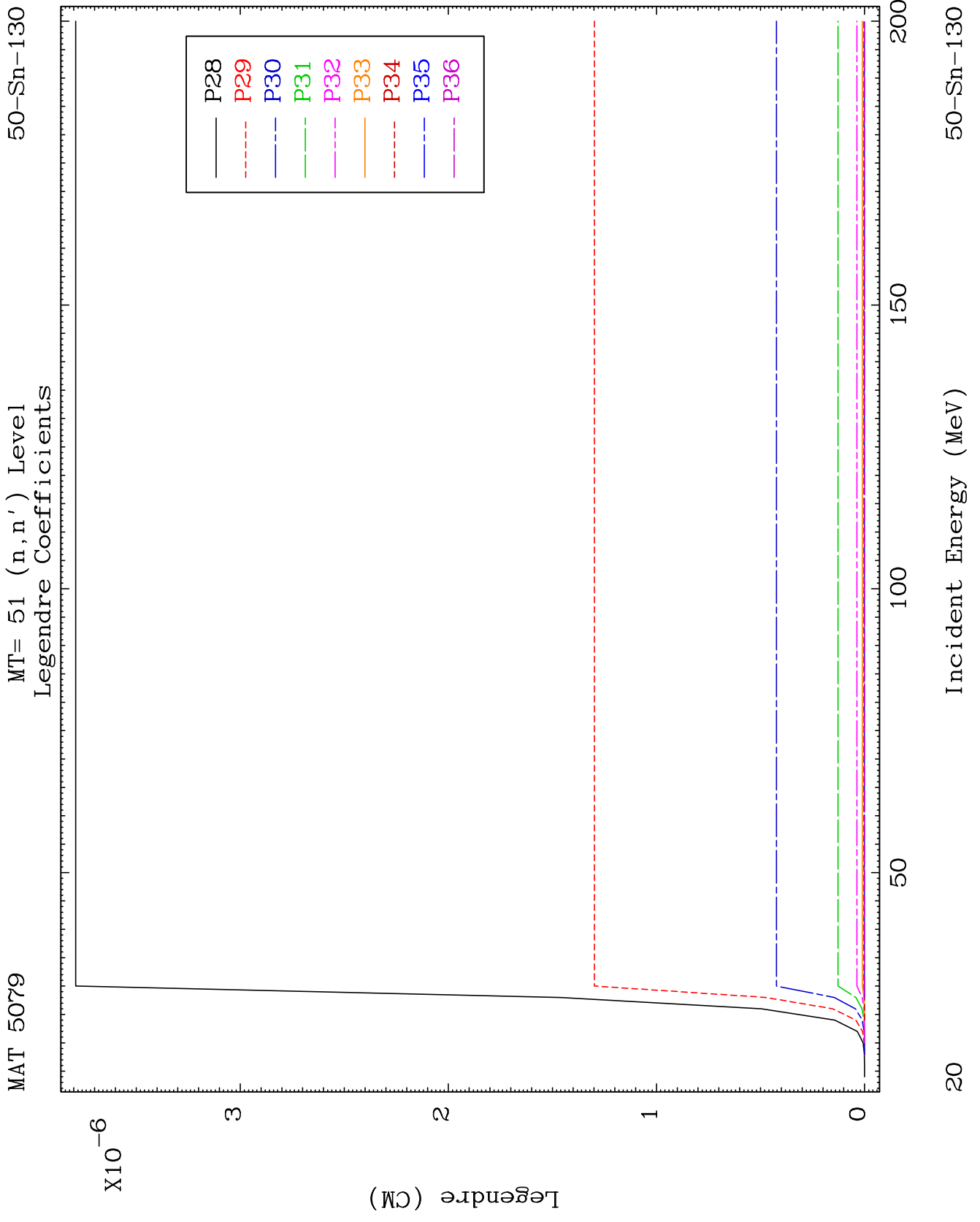
50-Sn-130

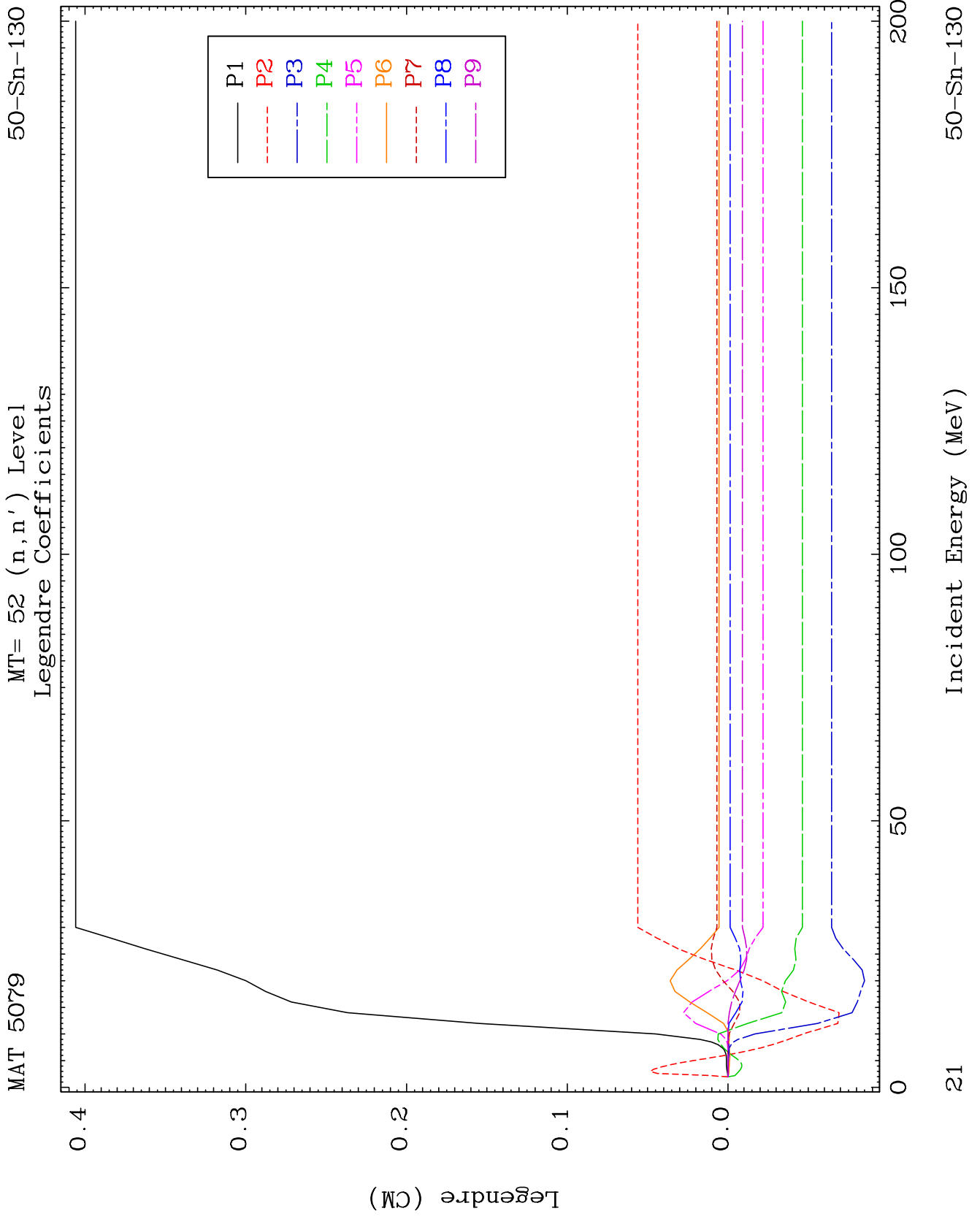
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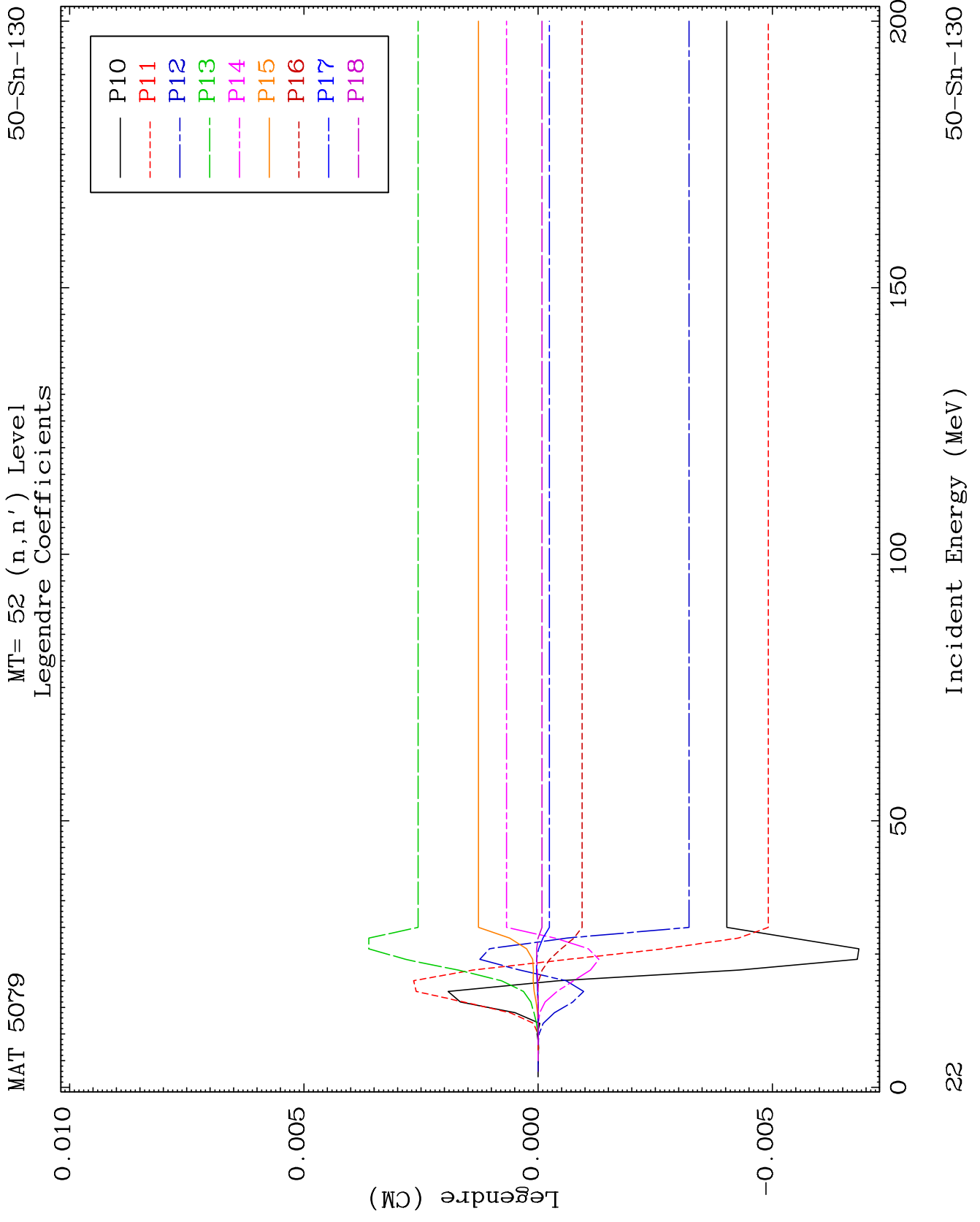


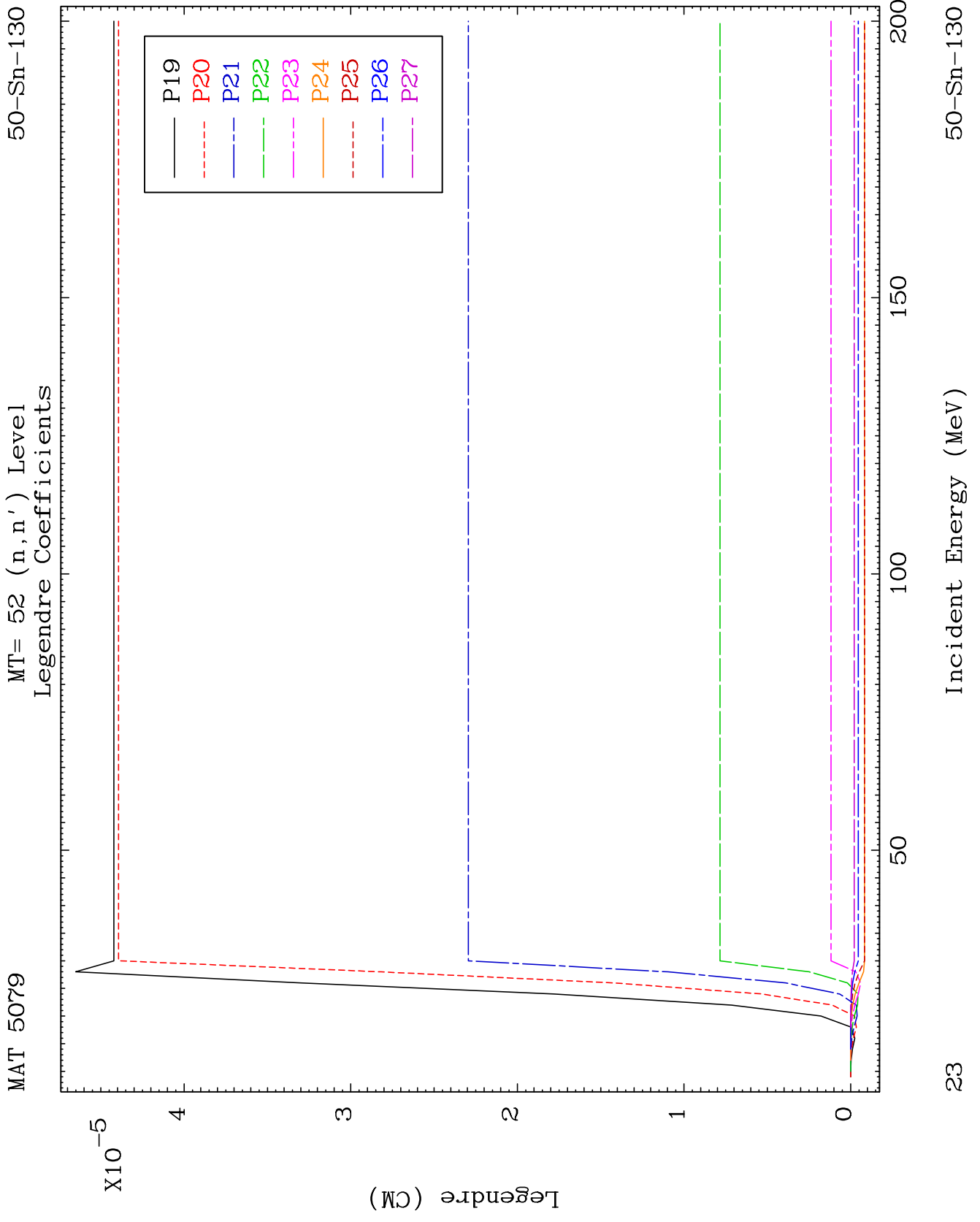


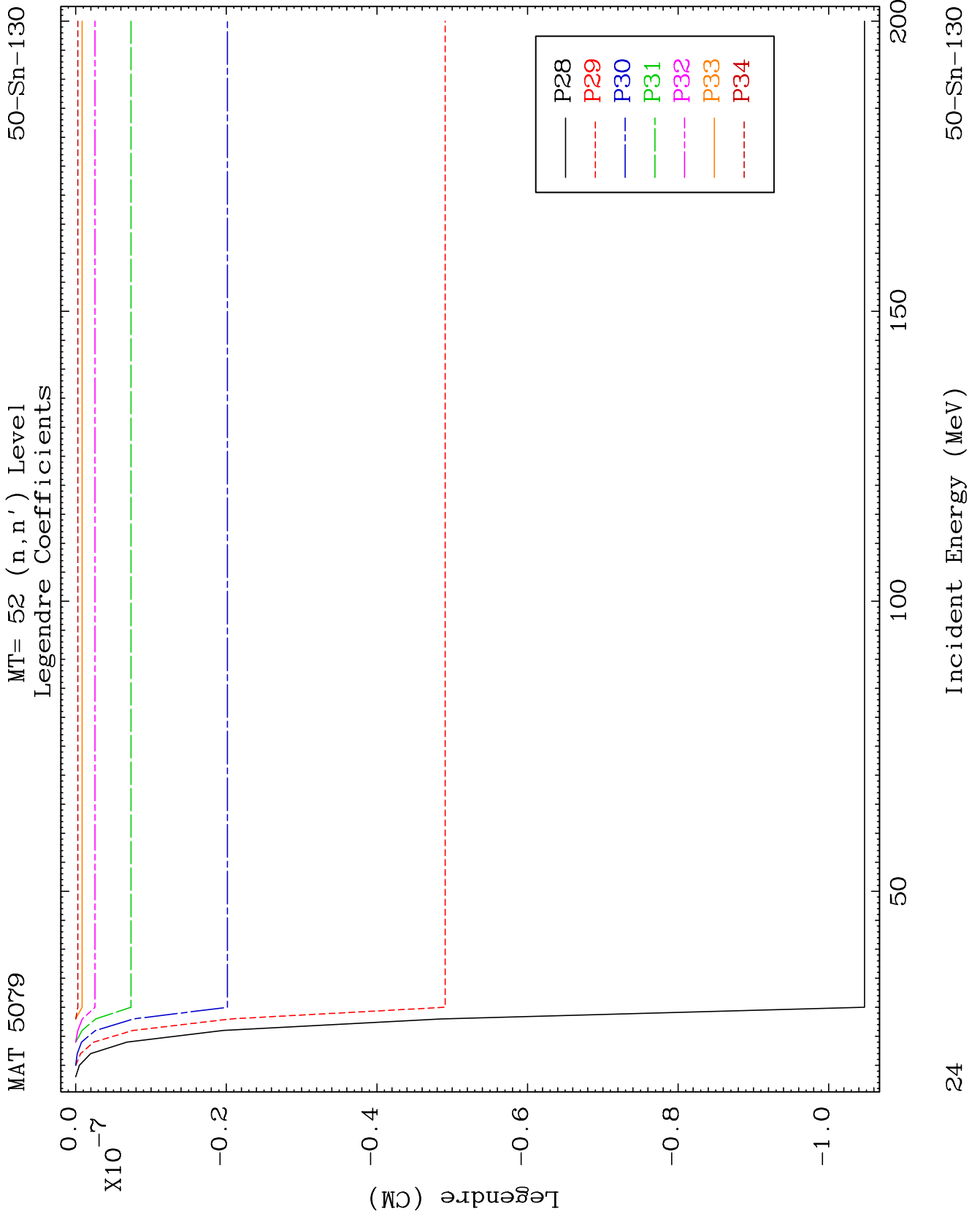


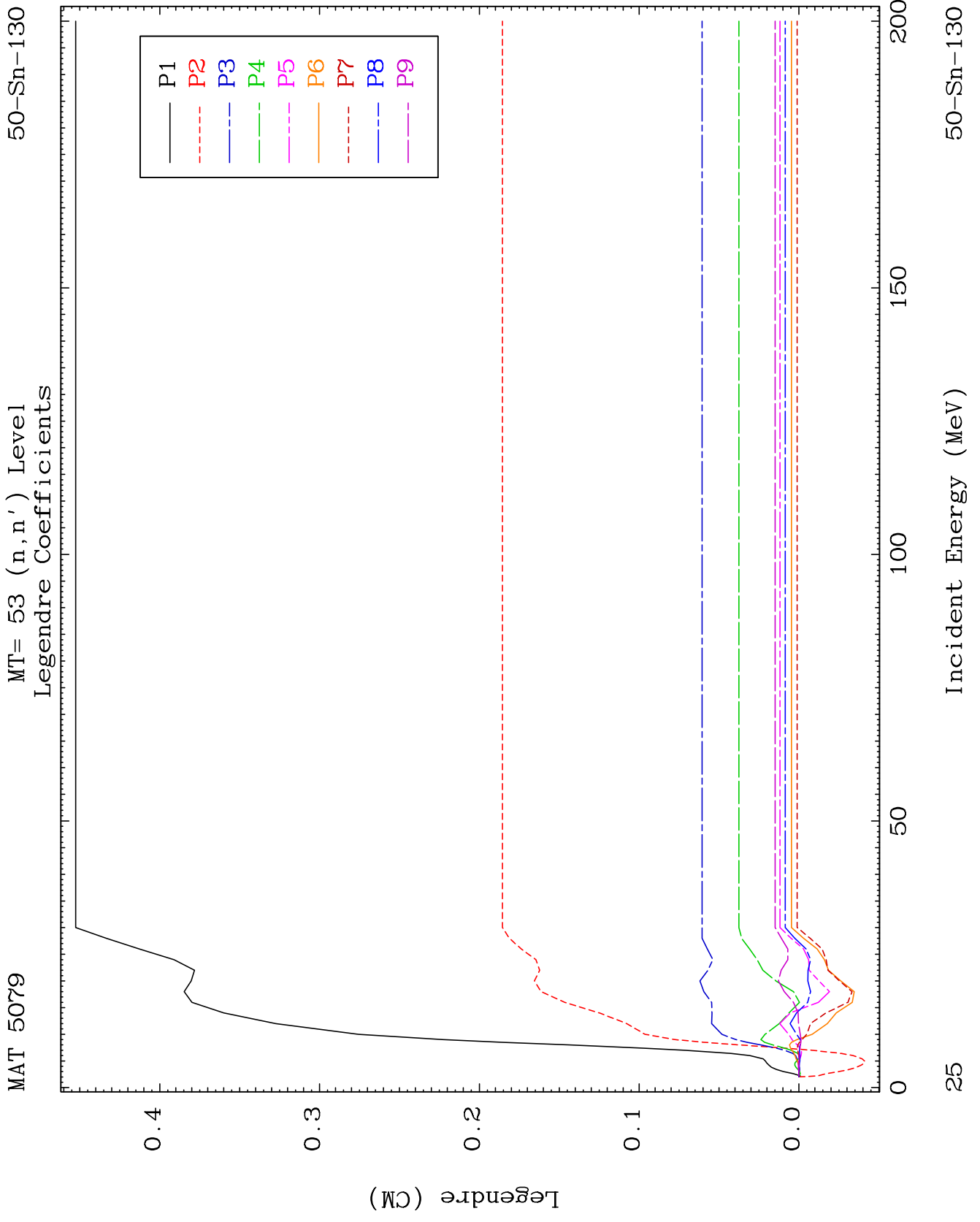








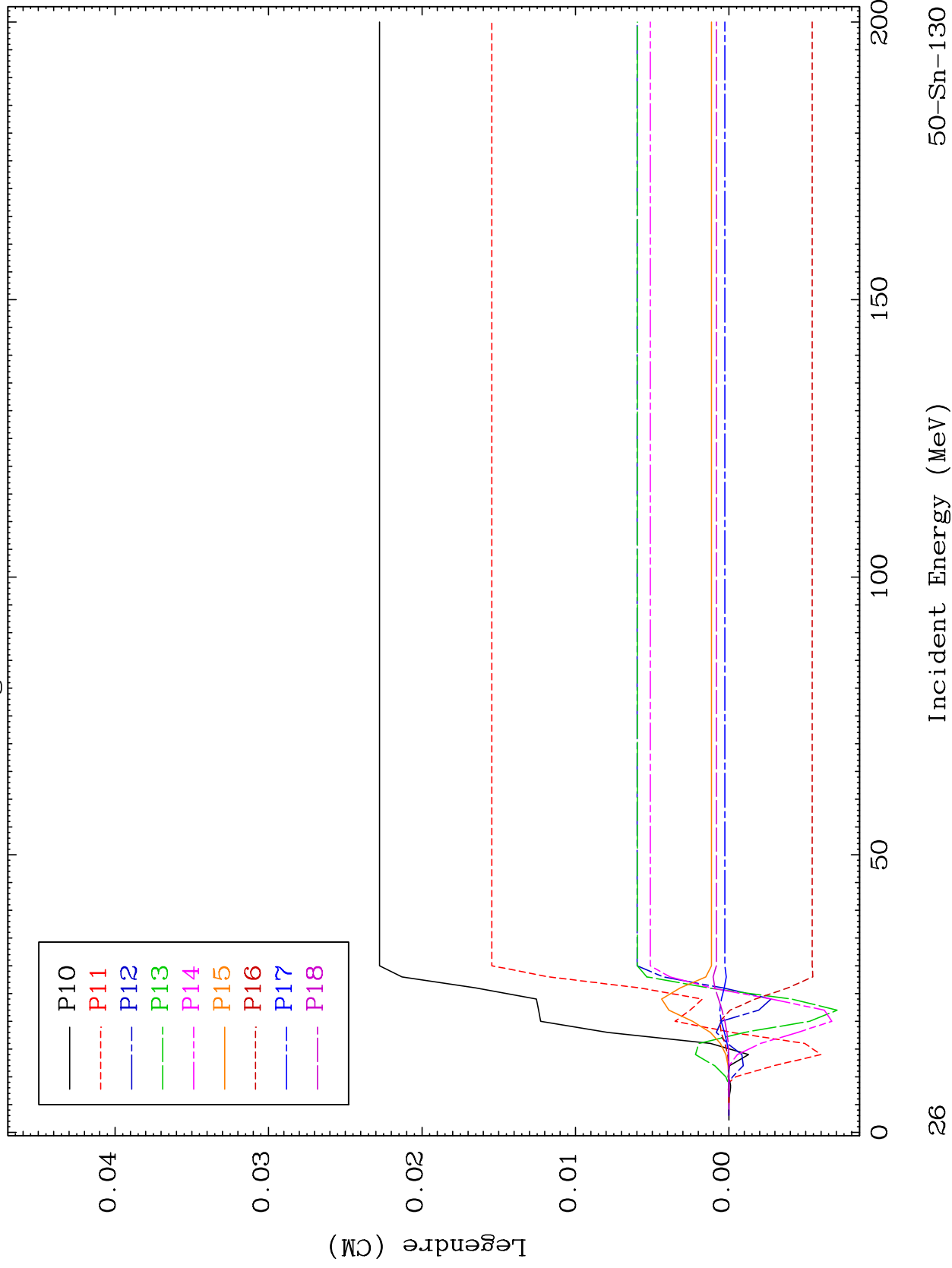




MAT 5079

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

50-Sn-130



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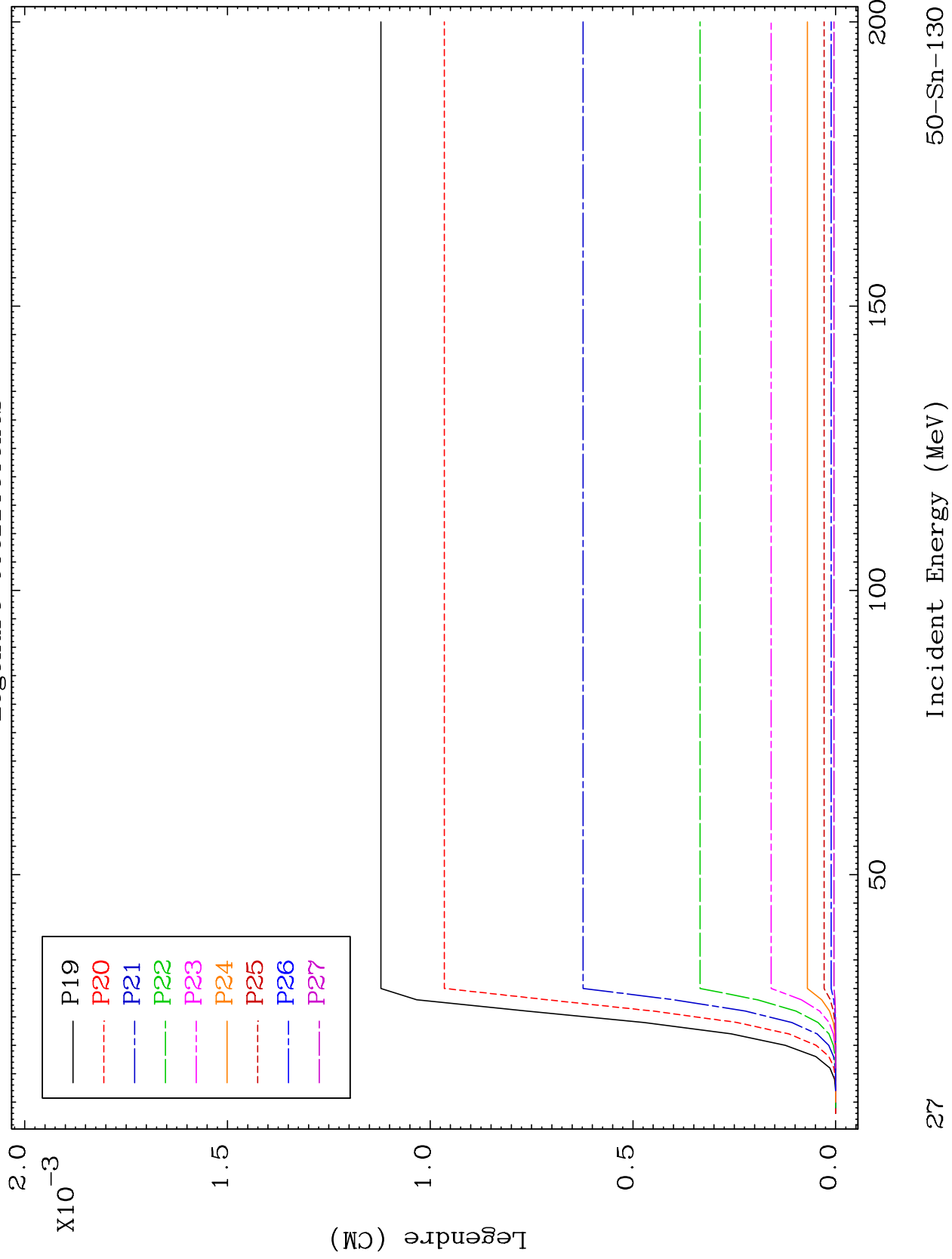
Incident Energy (MeV)

50-Sn-130

MAT 5079

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

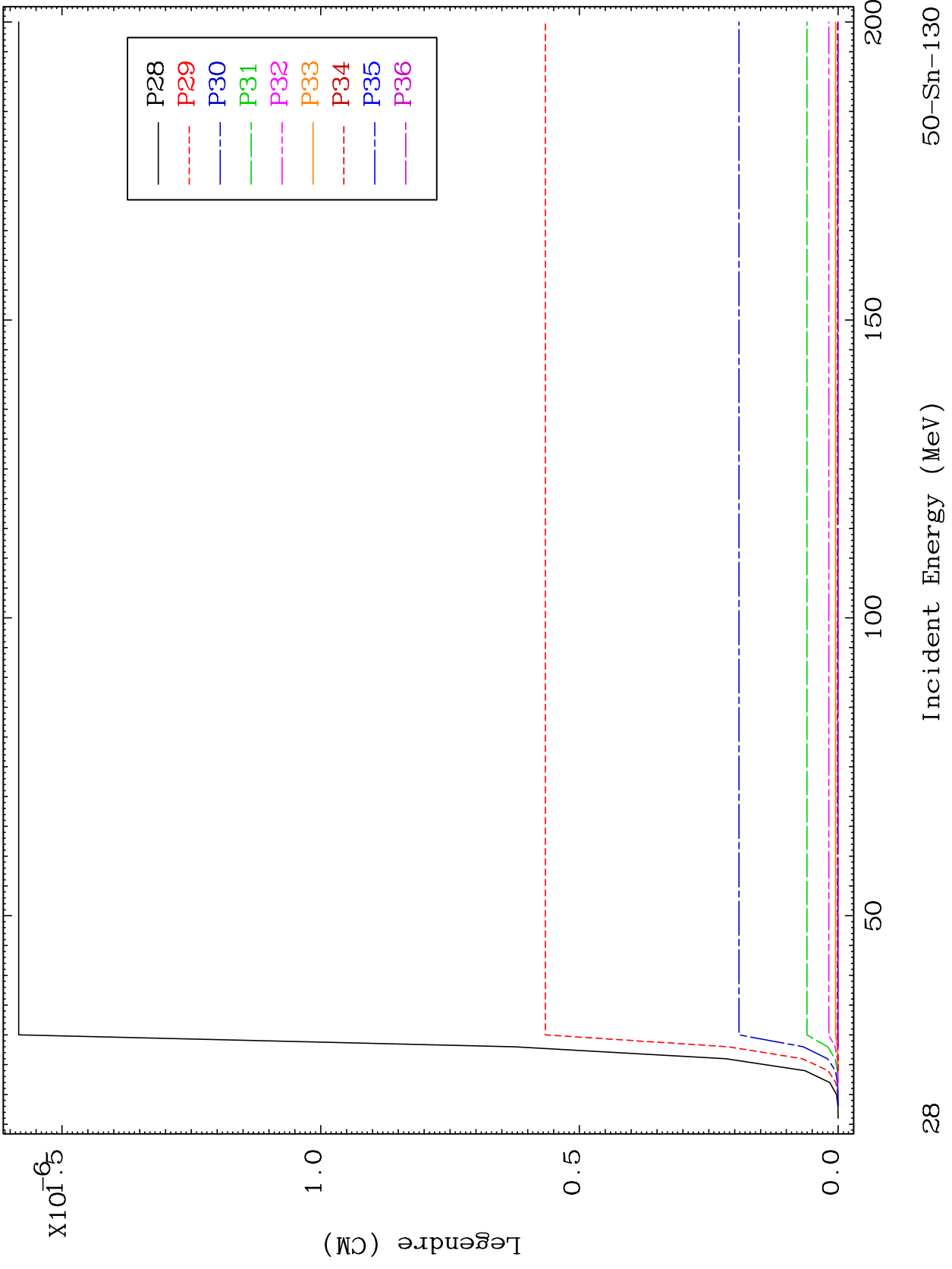
50-Sn-130



MAT 5079

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

50-Sn-130



28

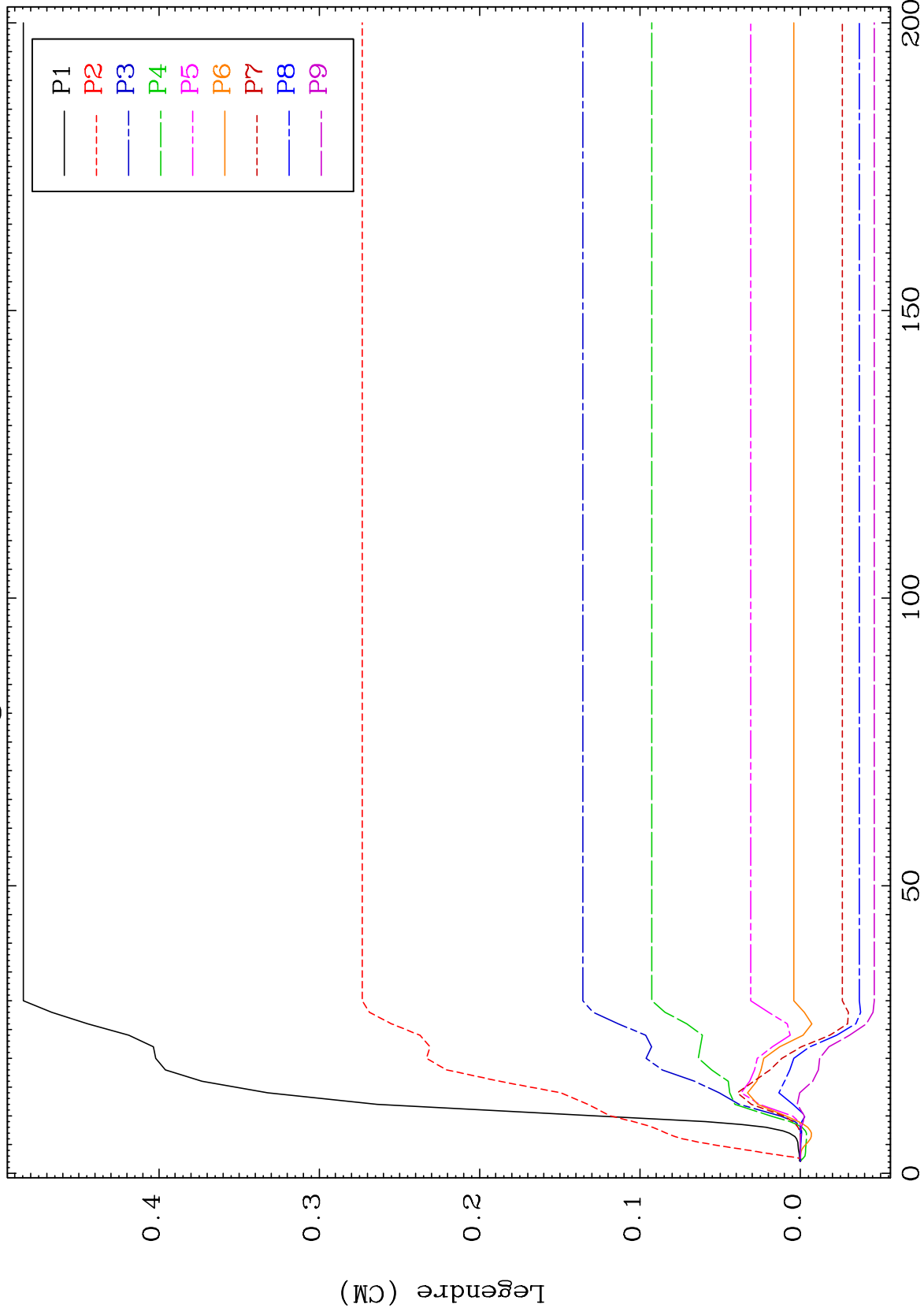
Incident Energy (MeV)

50-Sn-130

MAT 5079

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

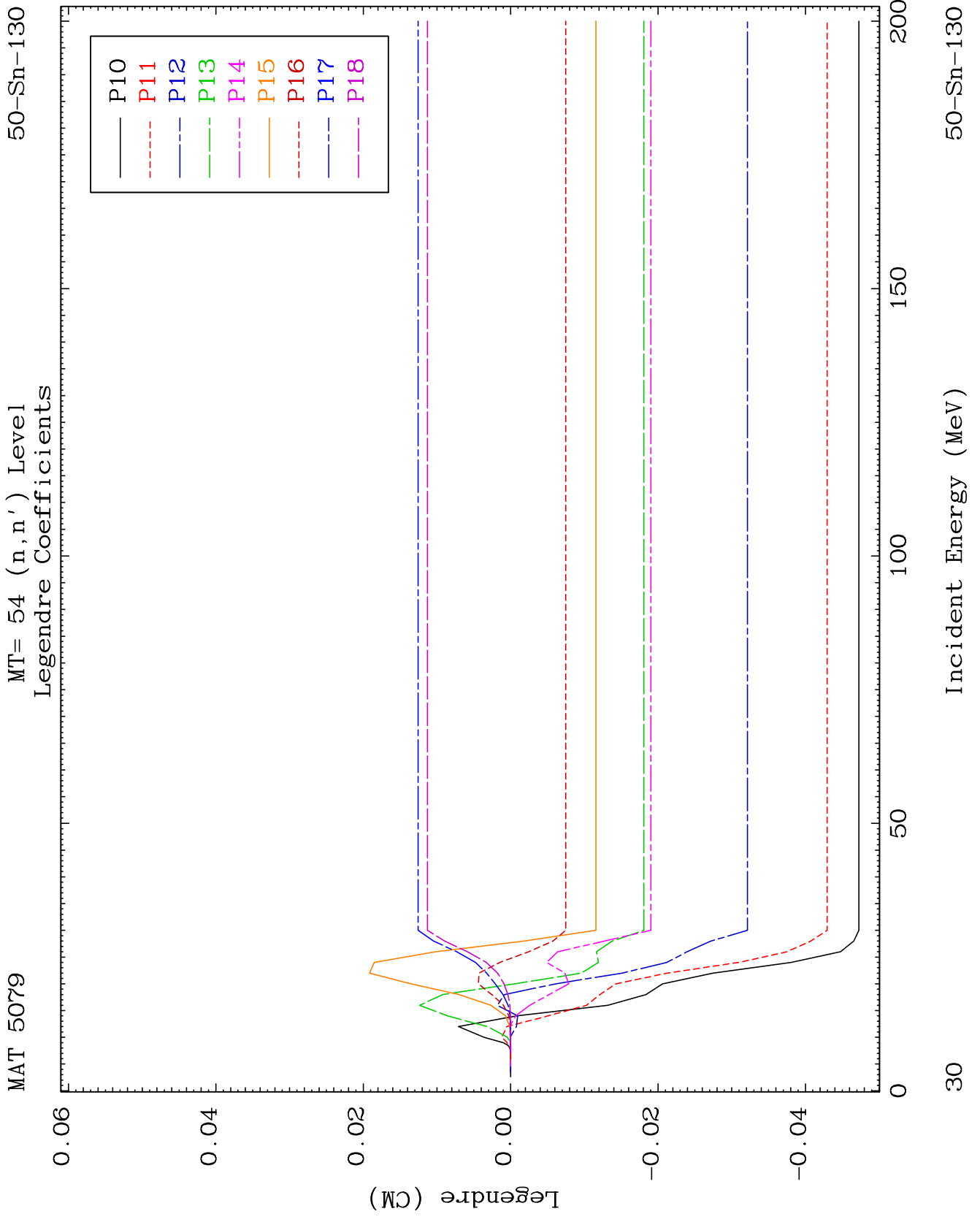
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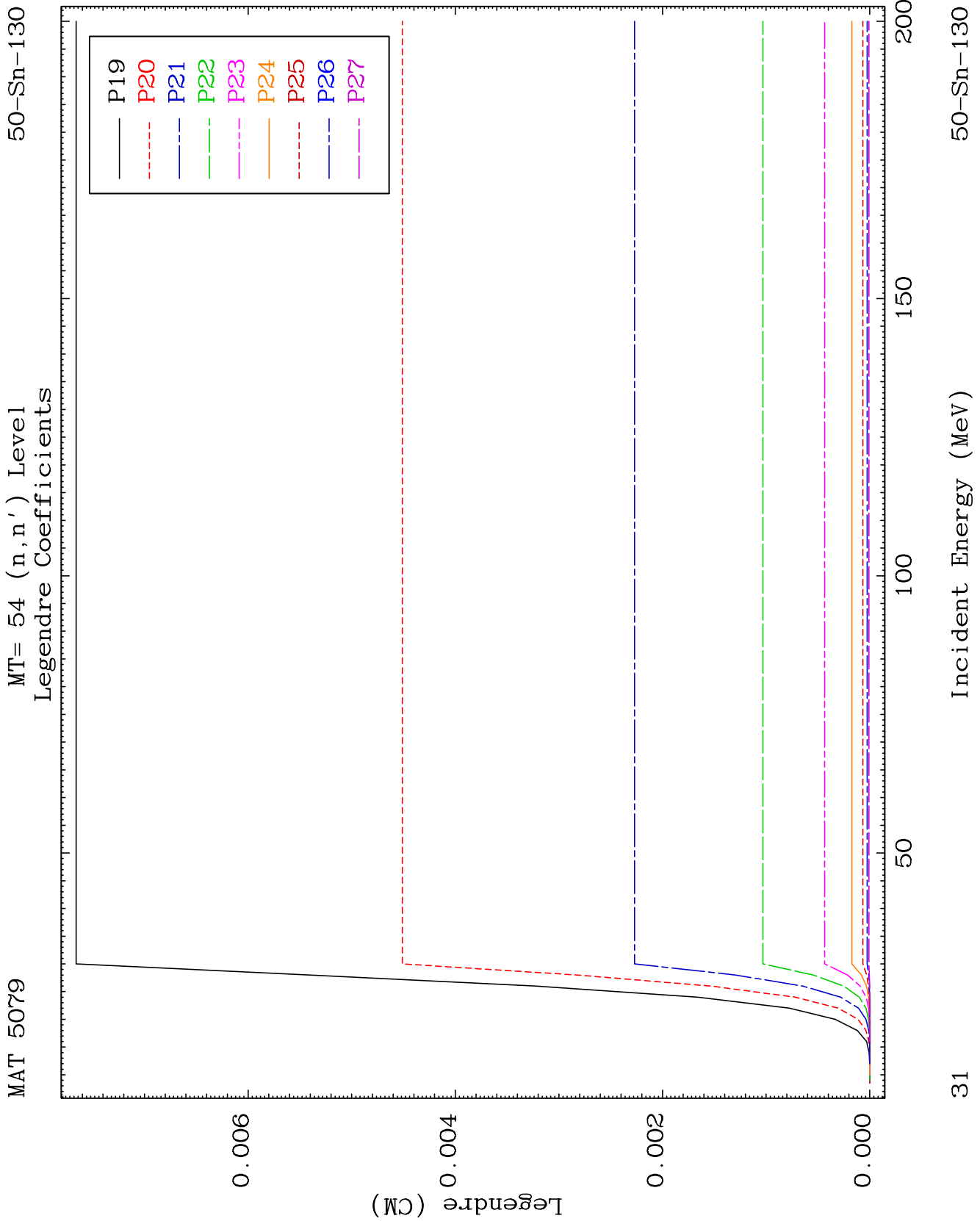


29

Incident Energy (MeV)

50-Sn-130

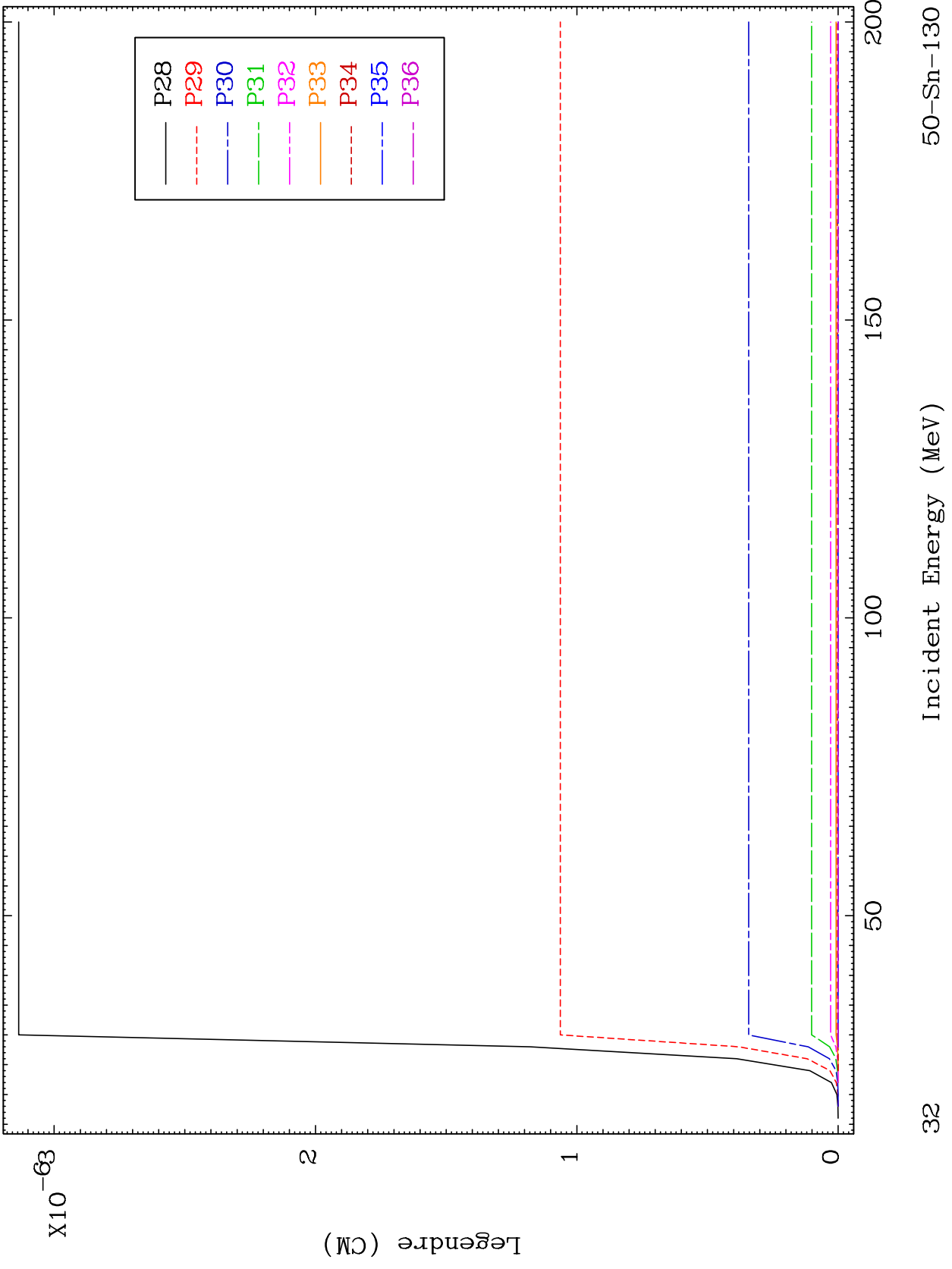


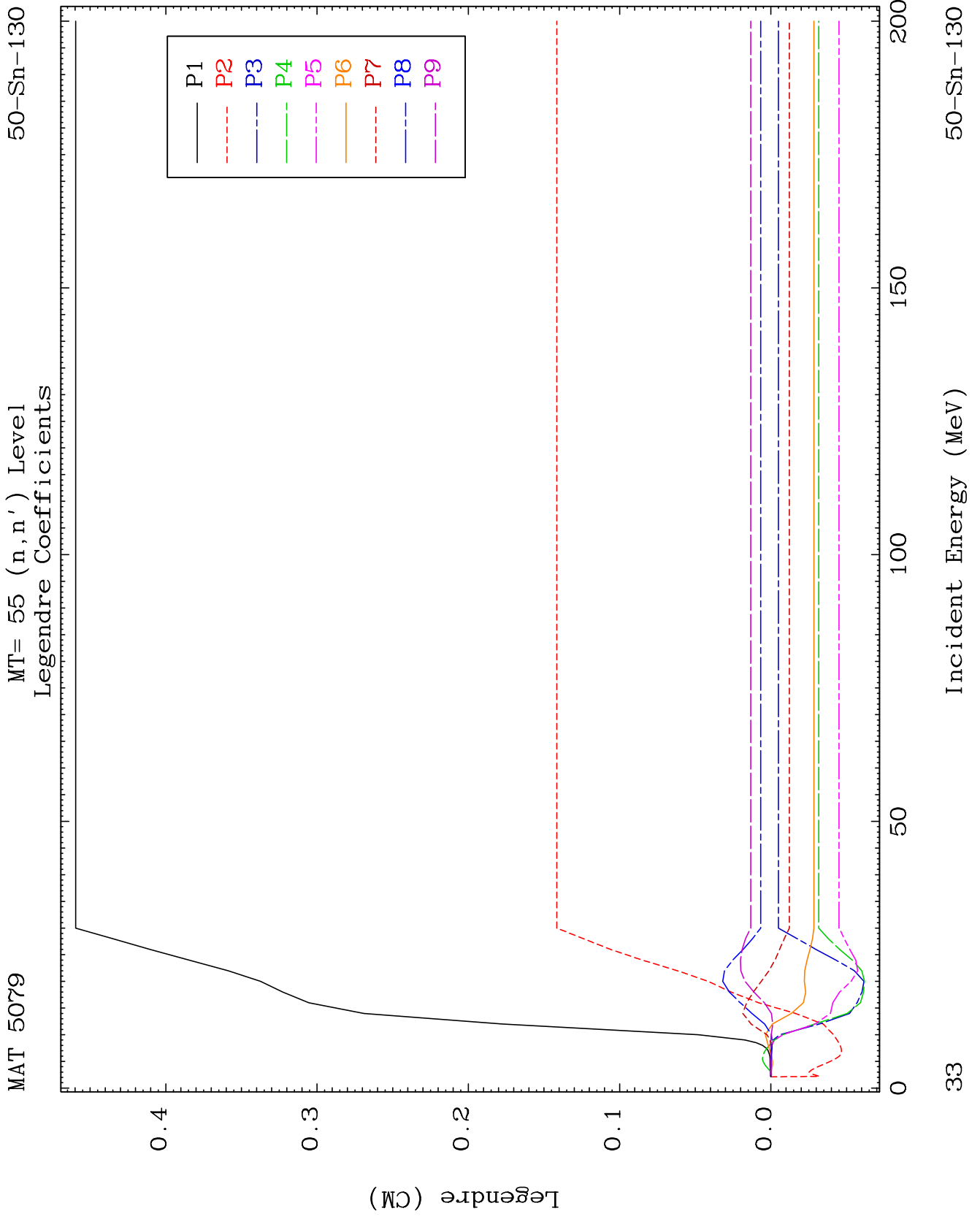


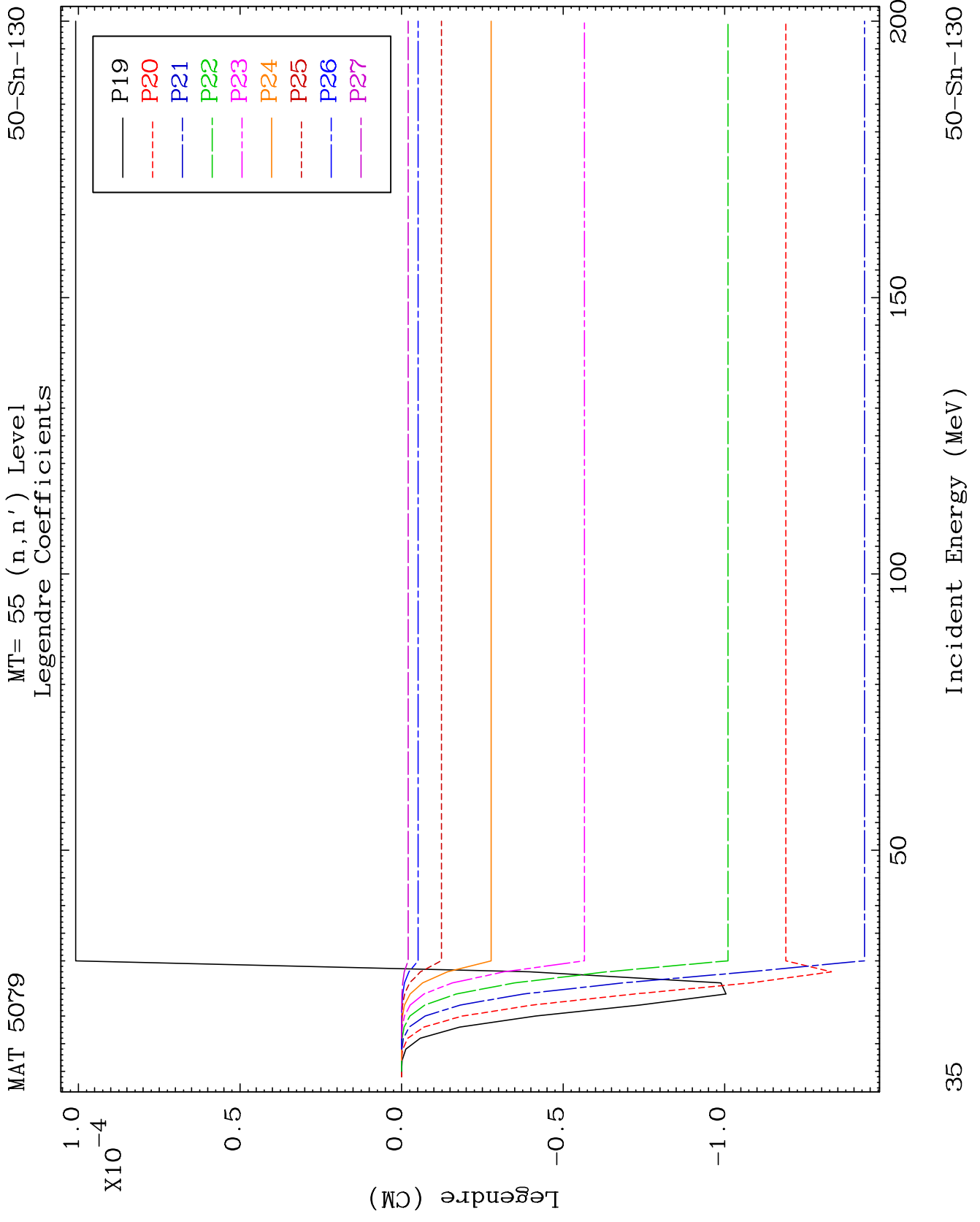
MAT 5079

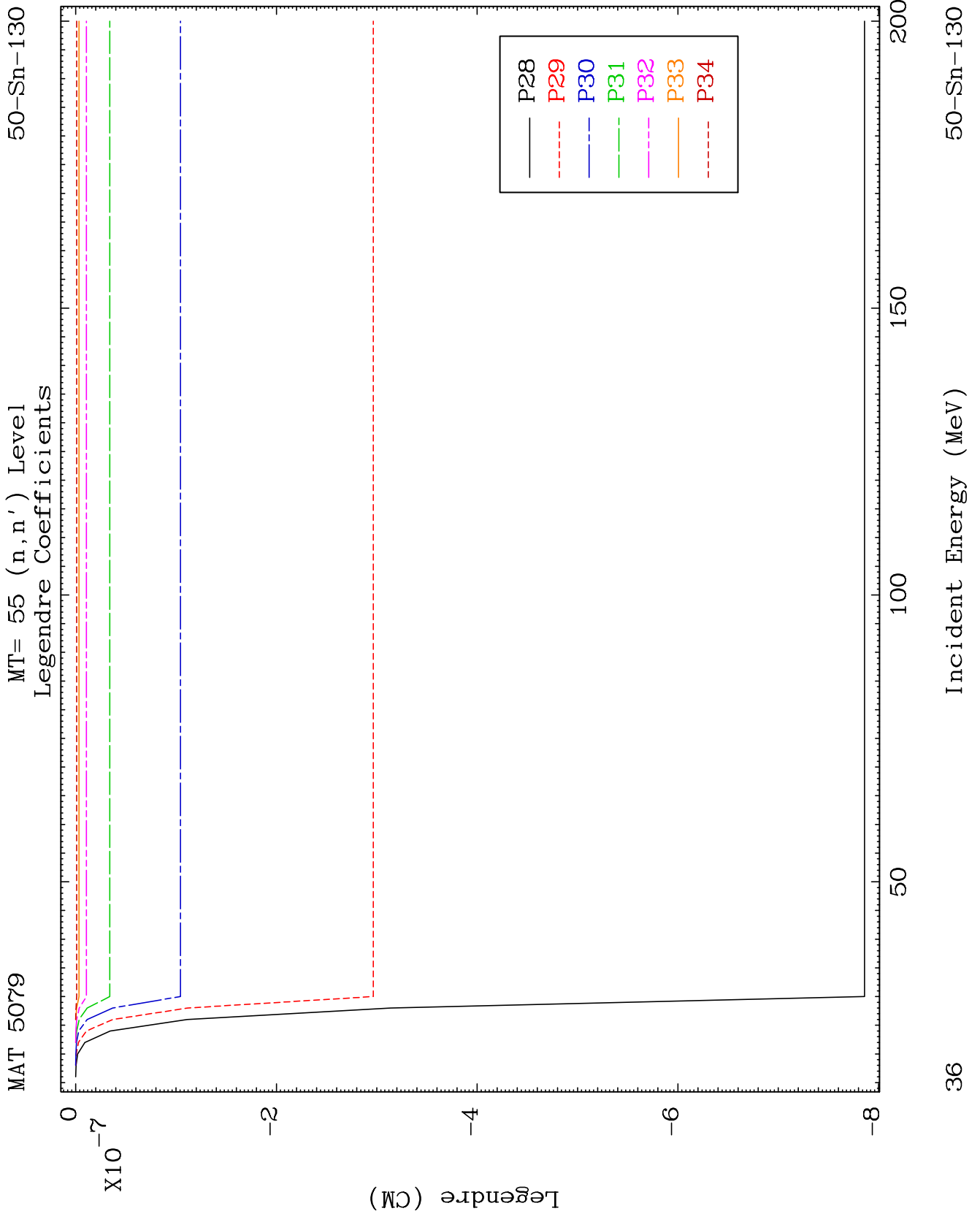
MT= 54 (n,n') Level
Legendre Coefficients

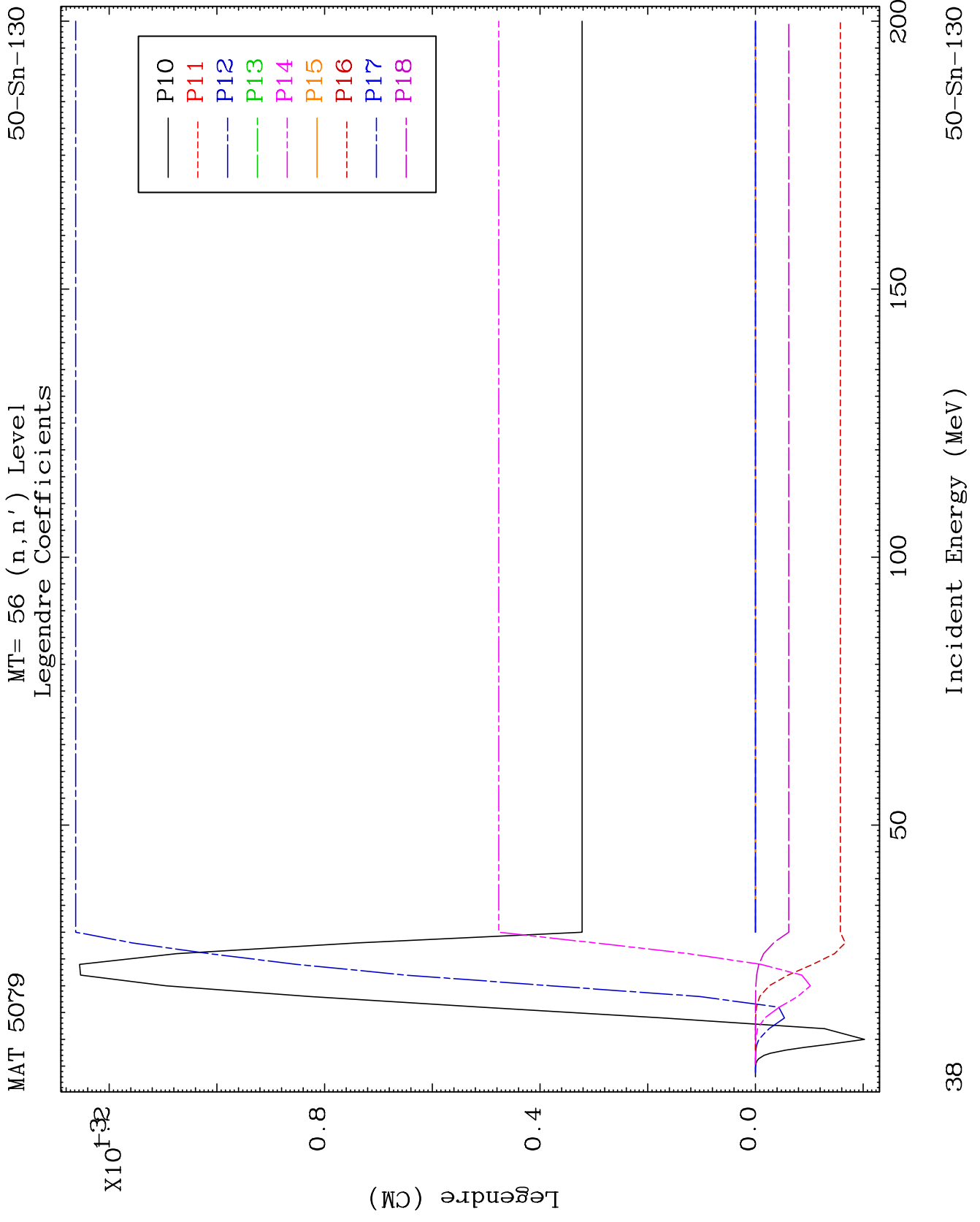
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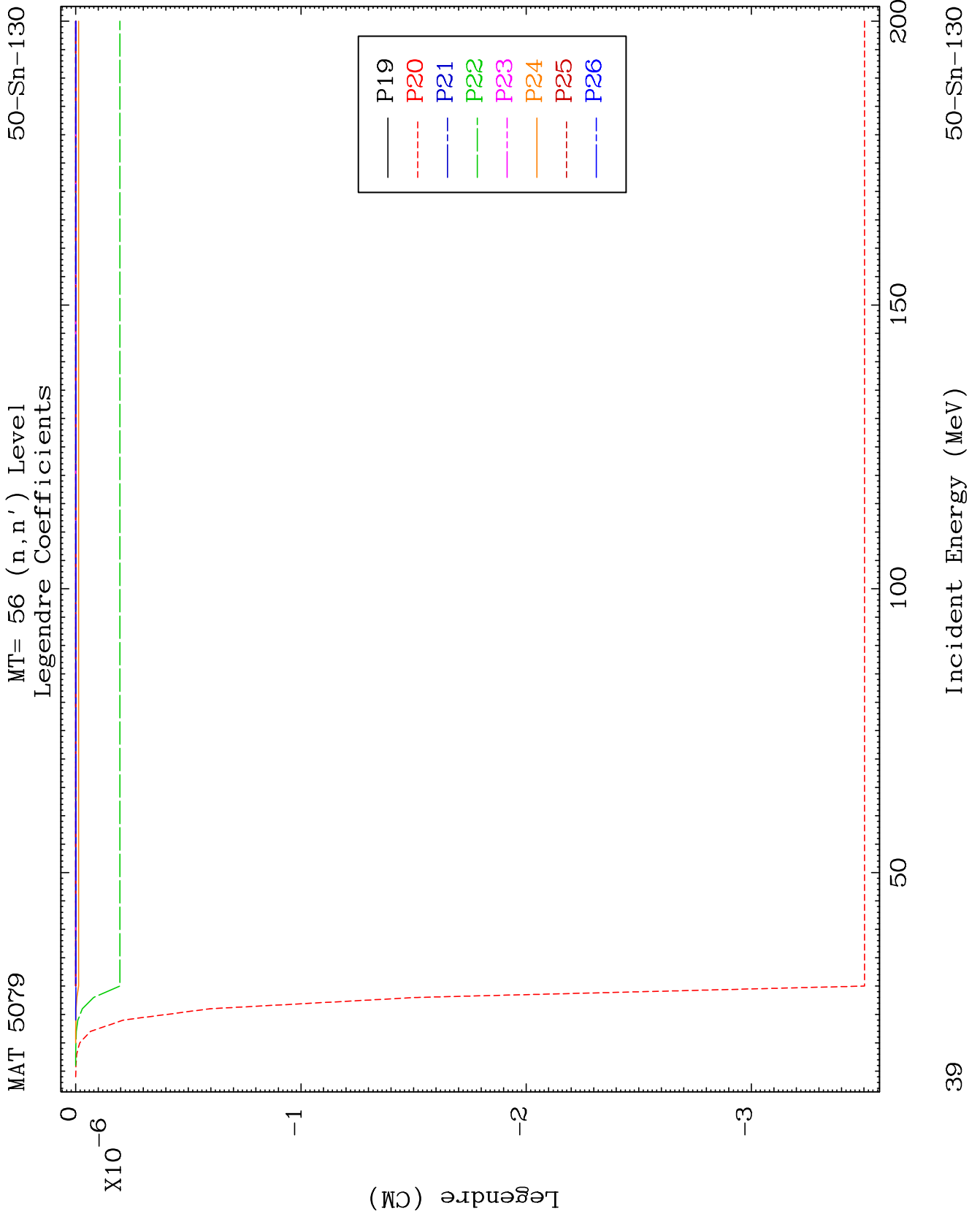








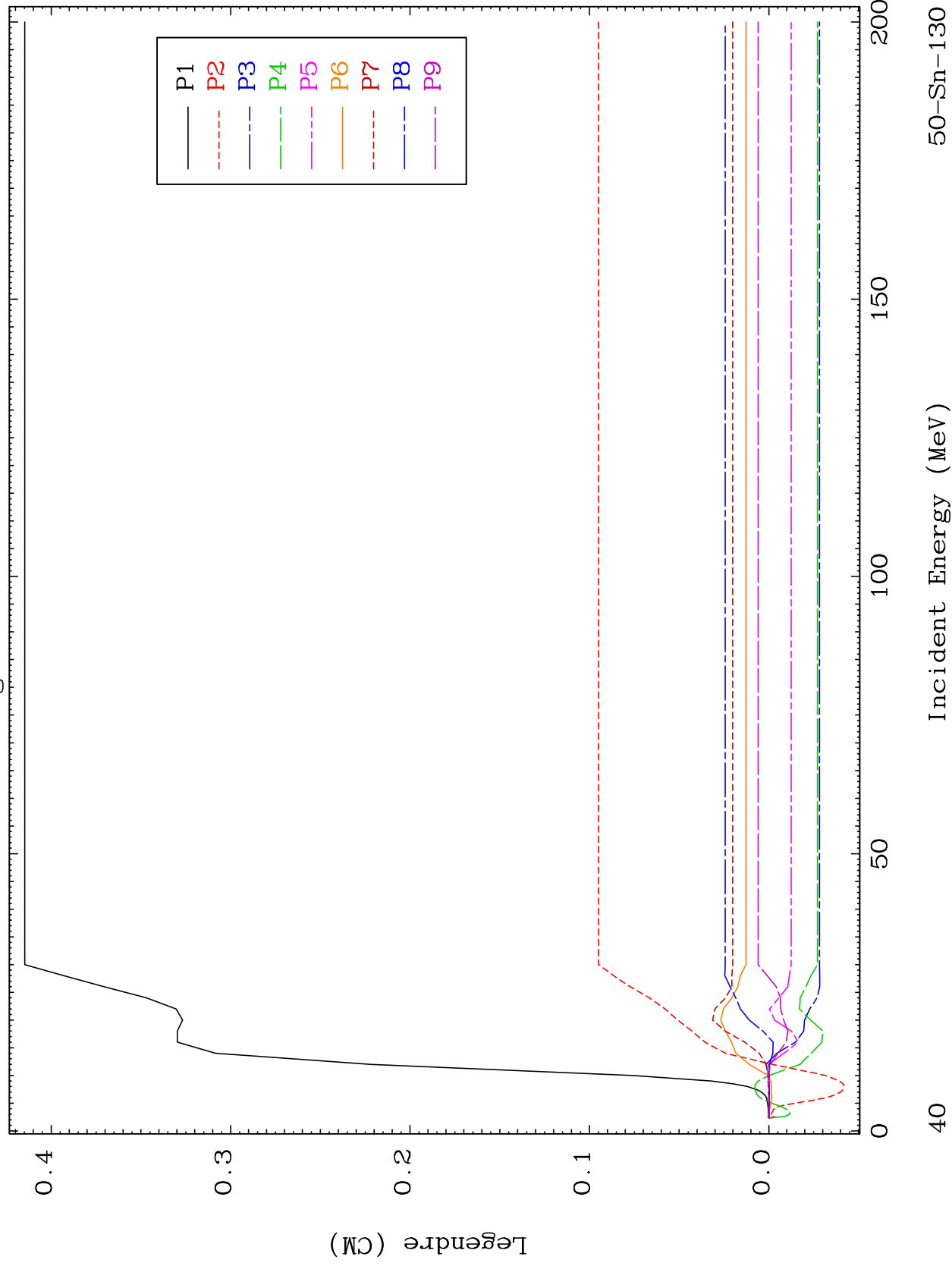


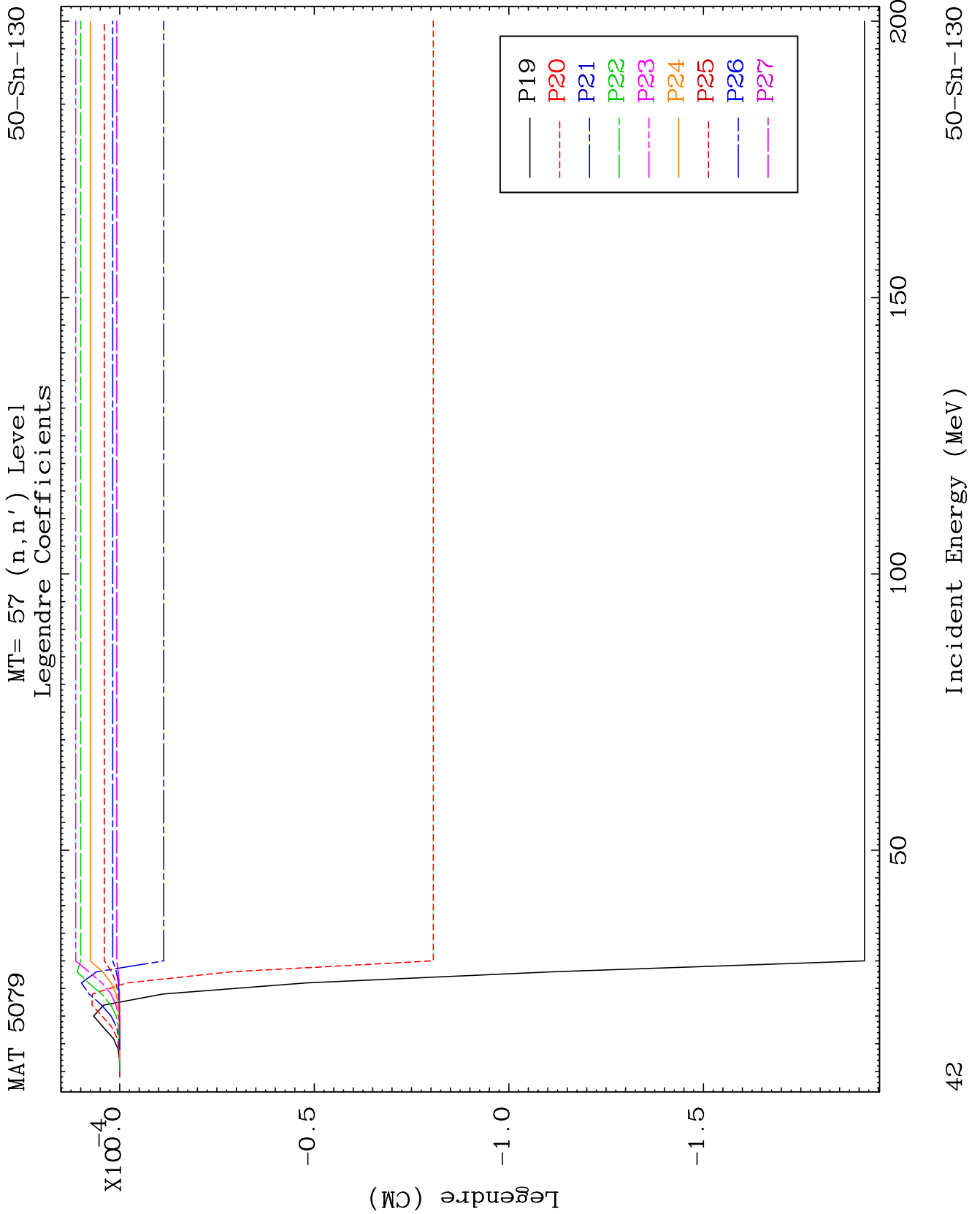


MAT 5079

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

50-Sn-130

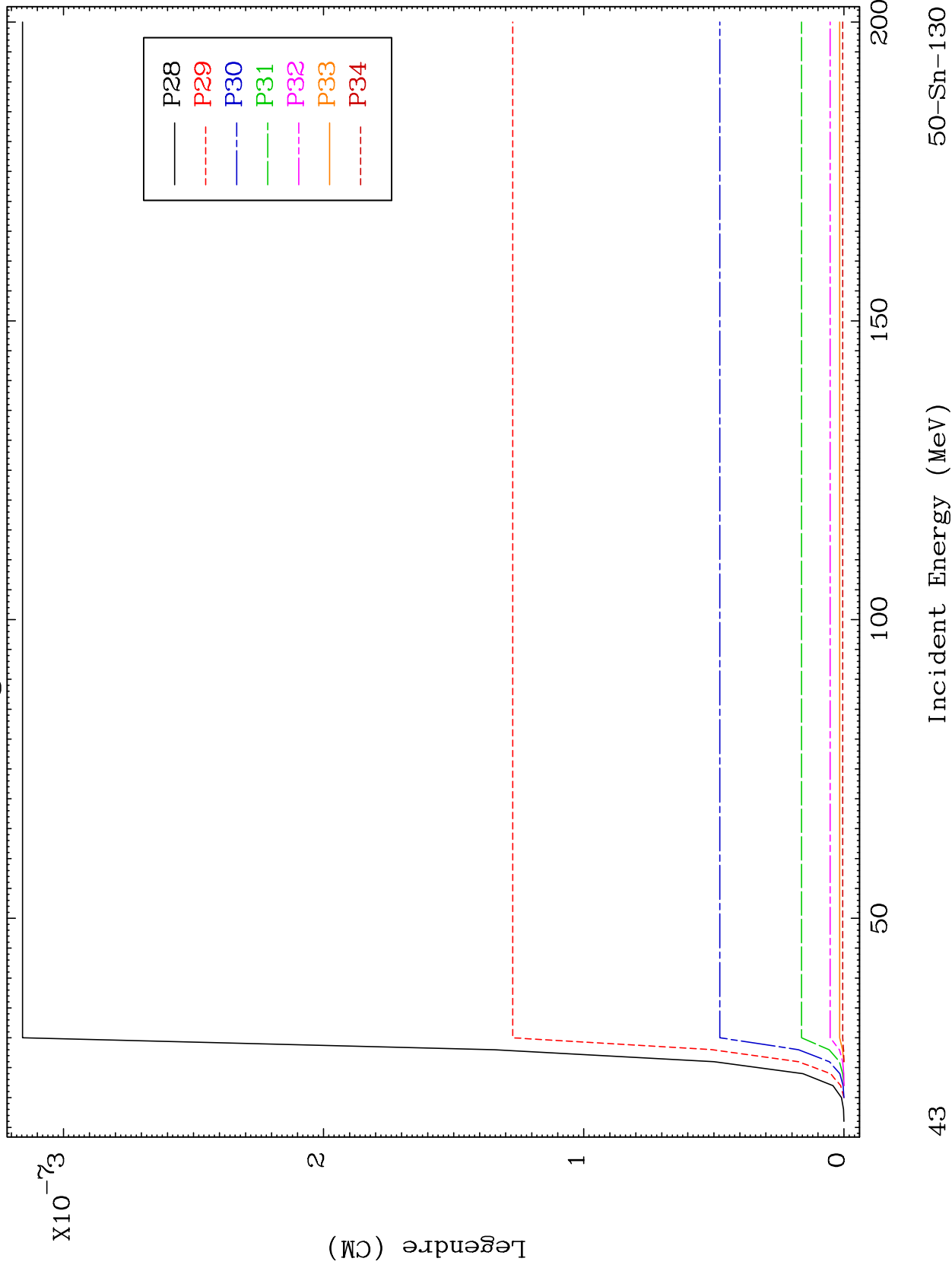


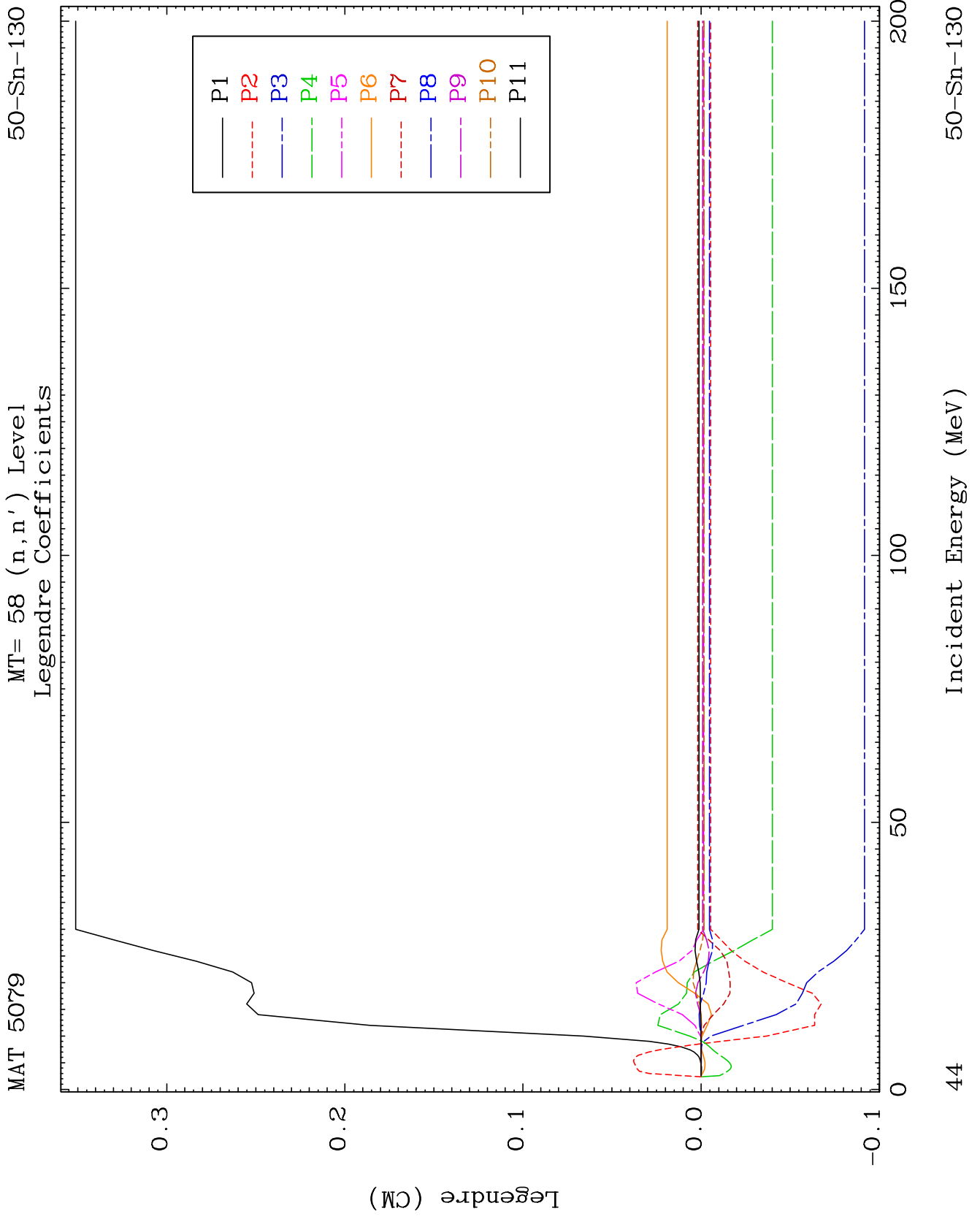


MAT 5079

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

50-Sn-130

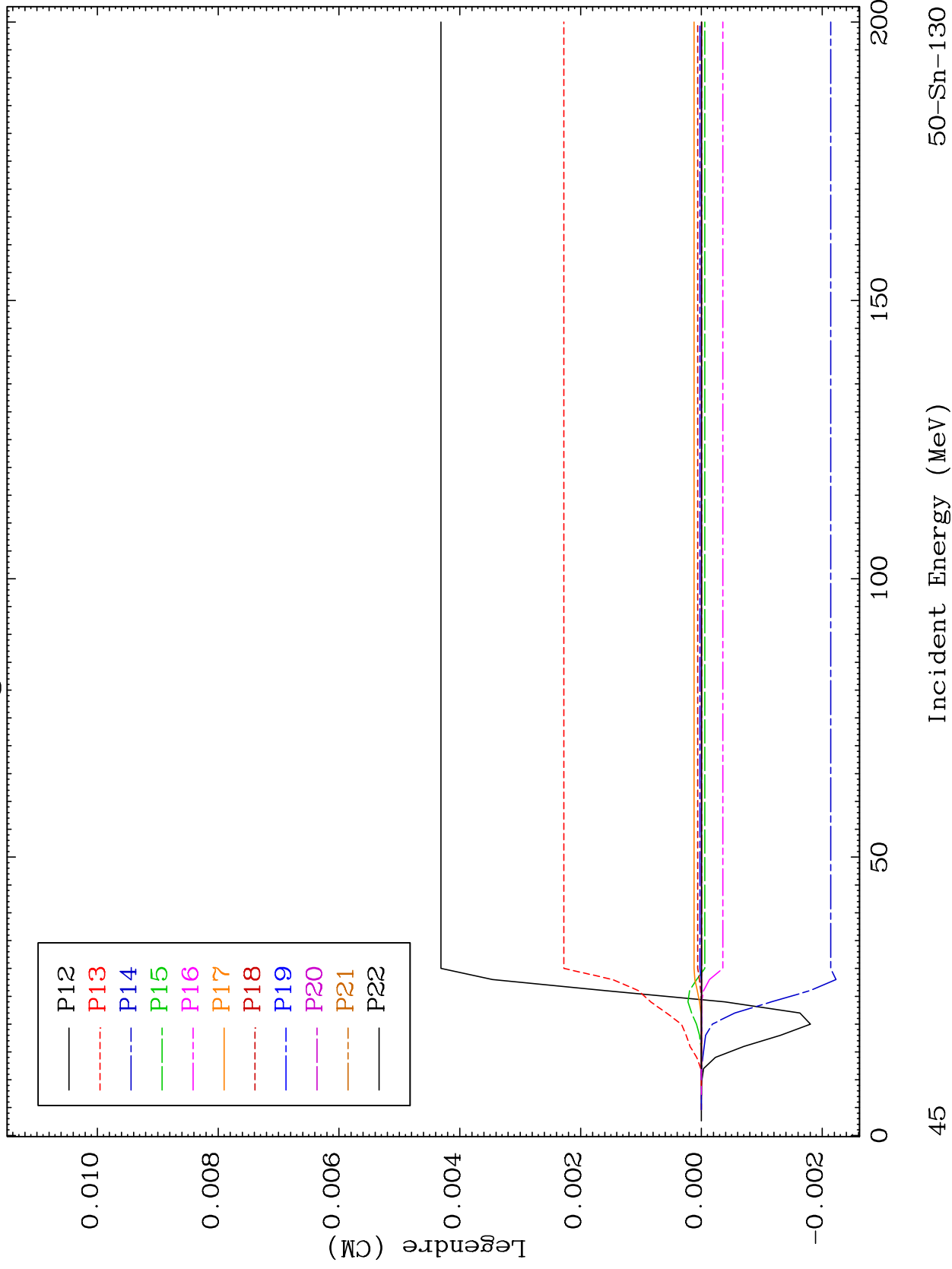




MAT 5079

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

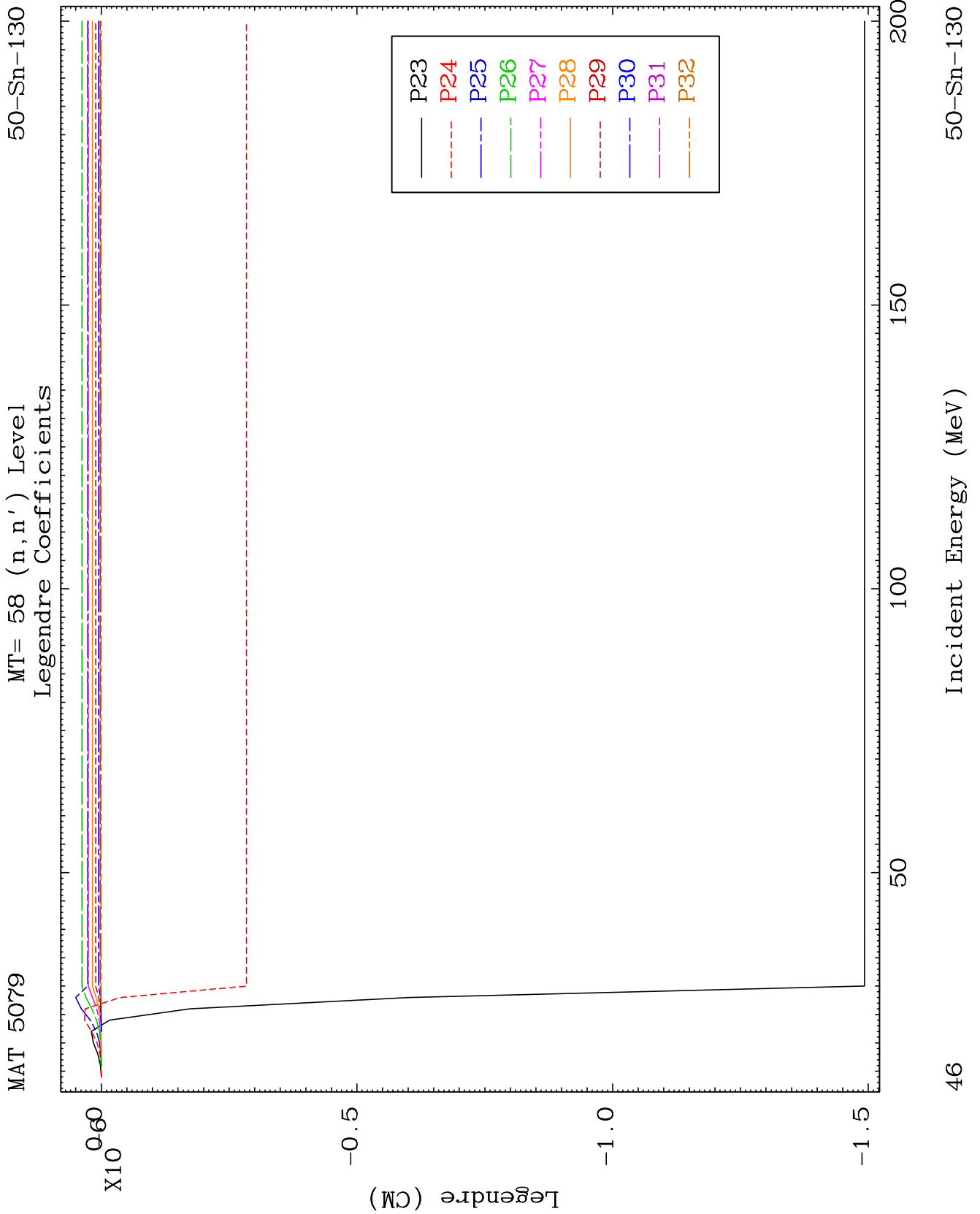
50-Sn-130



50-Sn-130

Incident Energy (MeV)

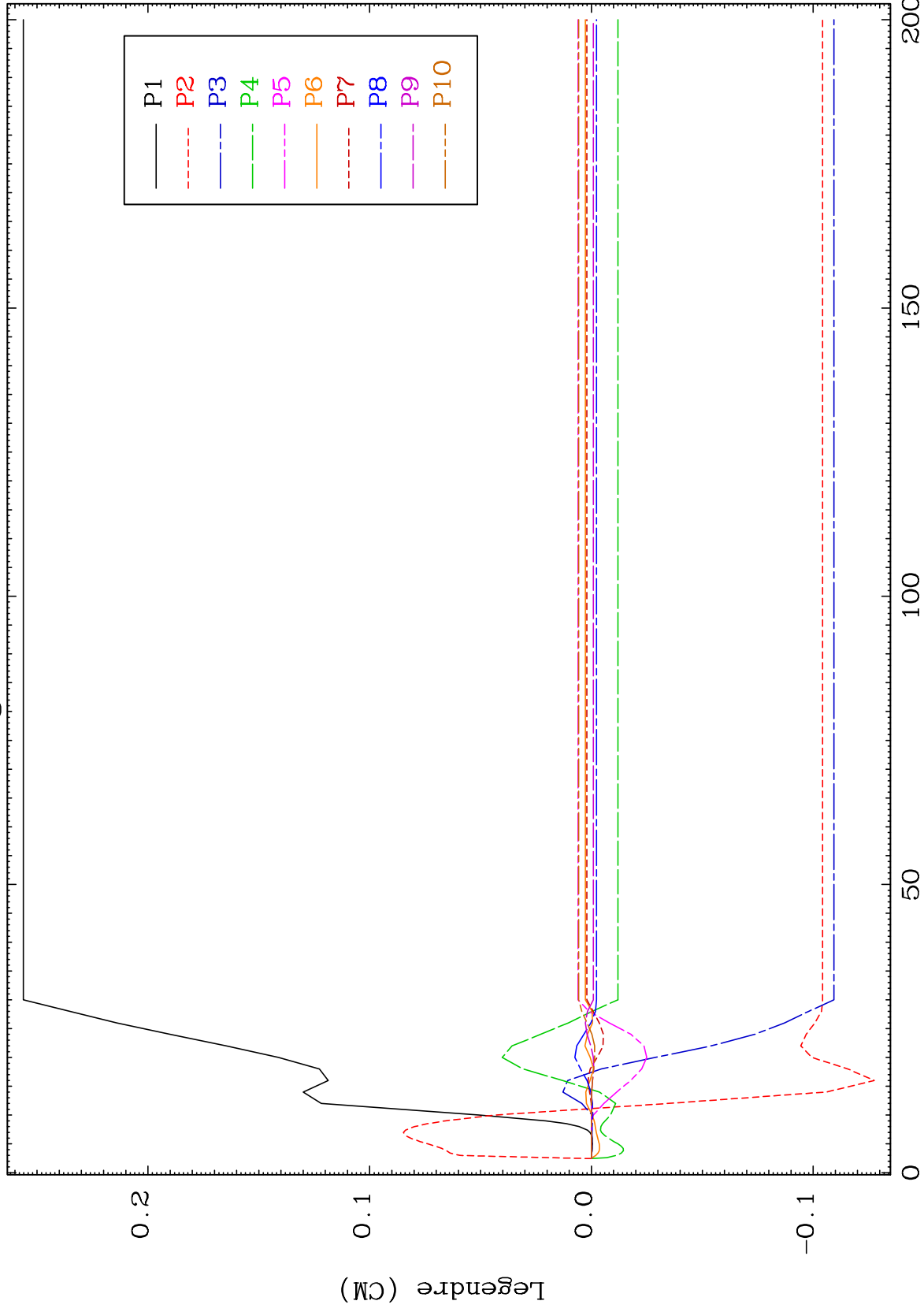
45



MAT 5079

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

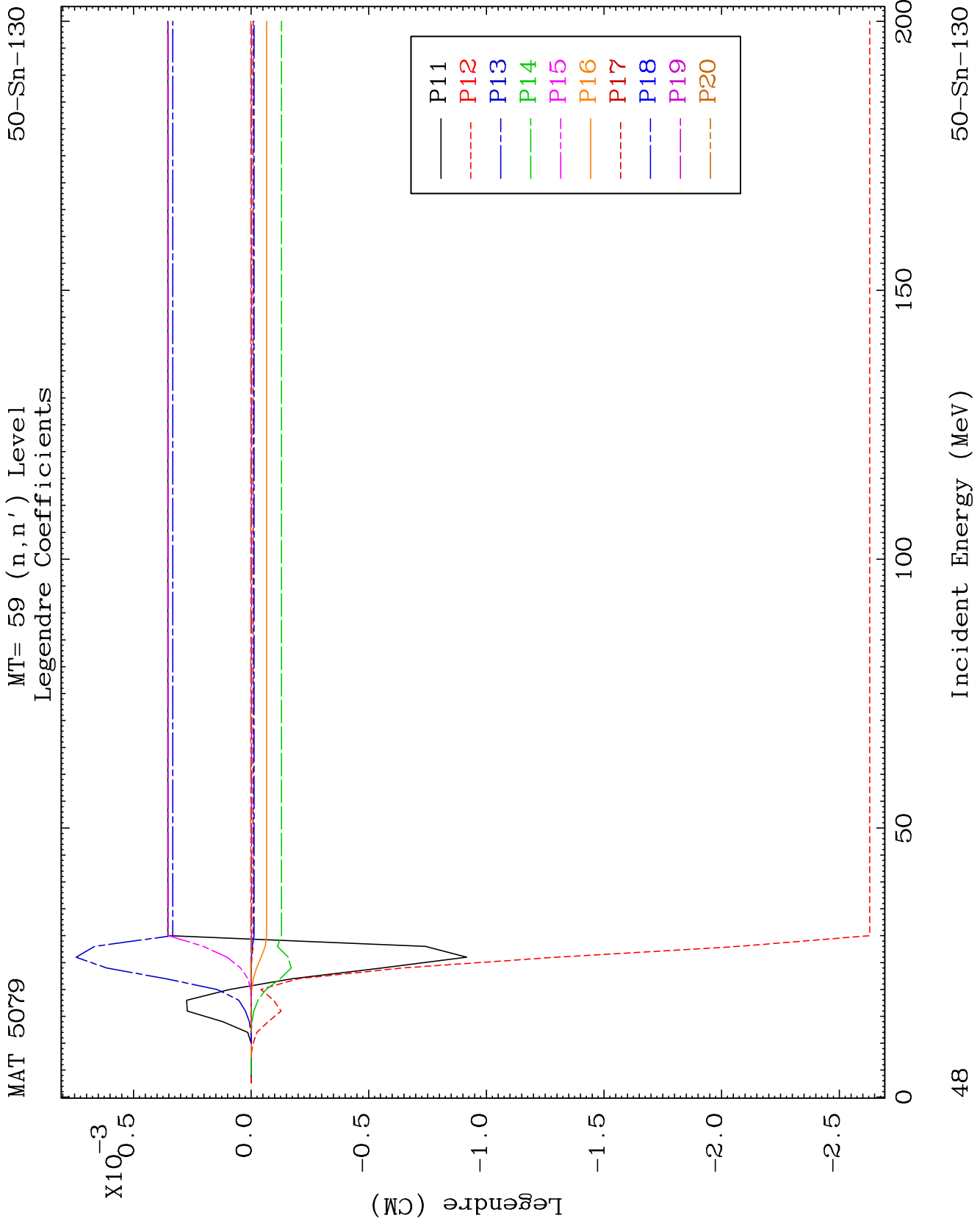
50-Sn-130



47

Incident Energy (MeV)

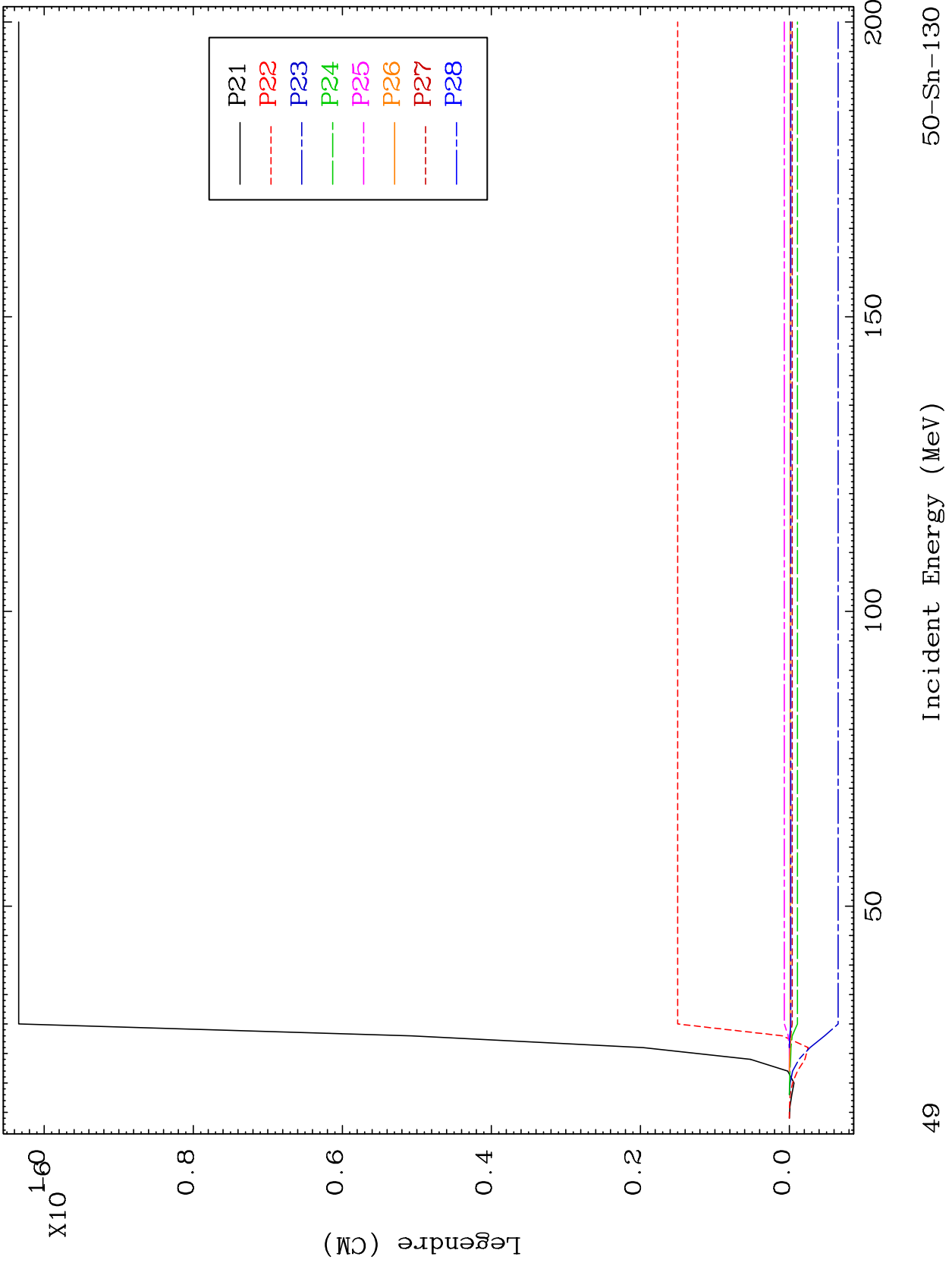
50-Sn-130



MAT 5079

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

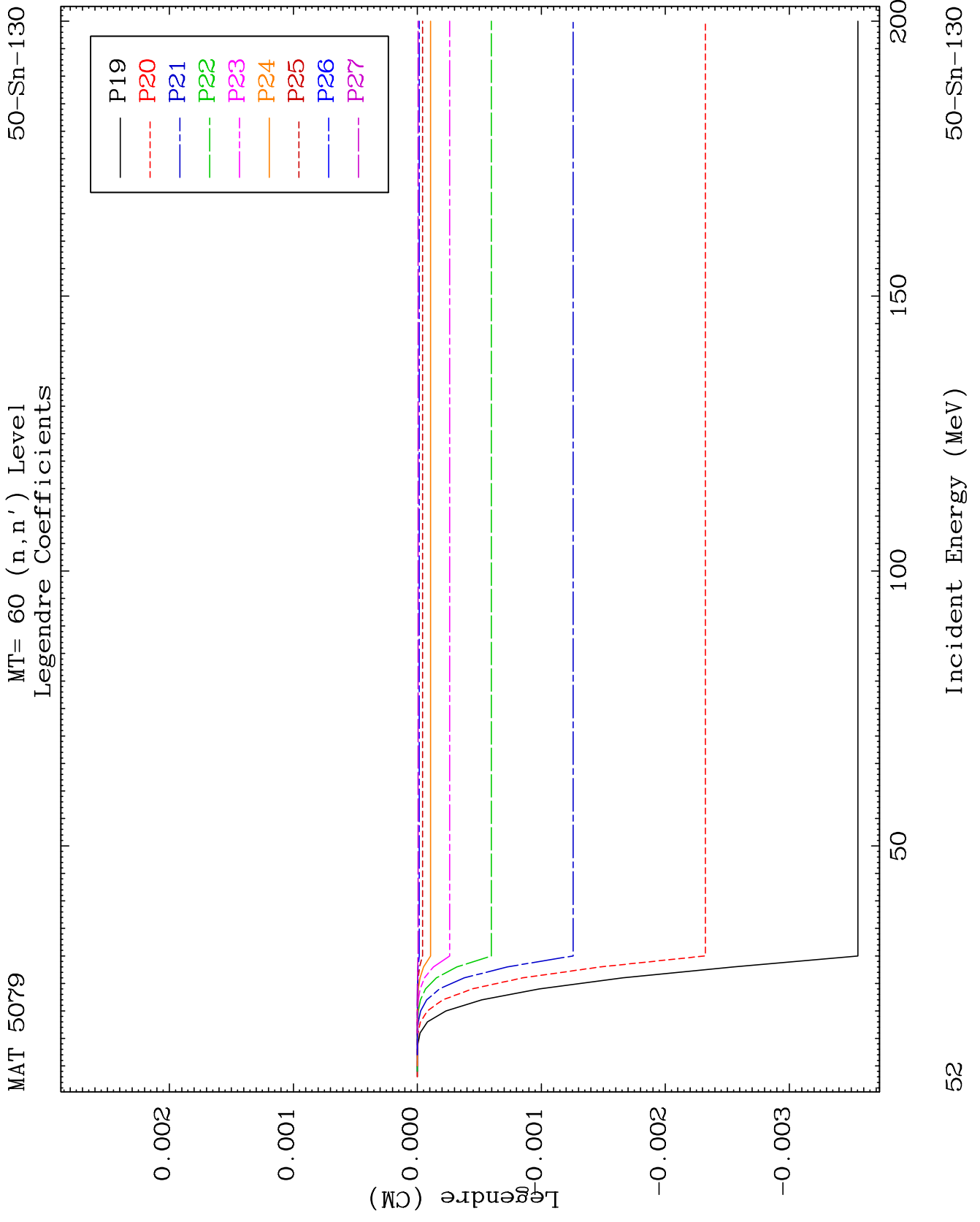
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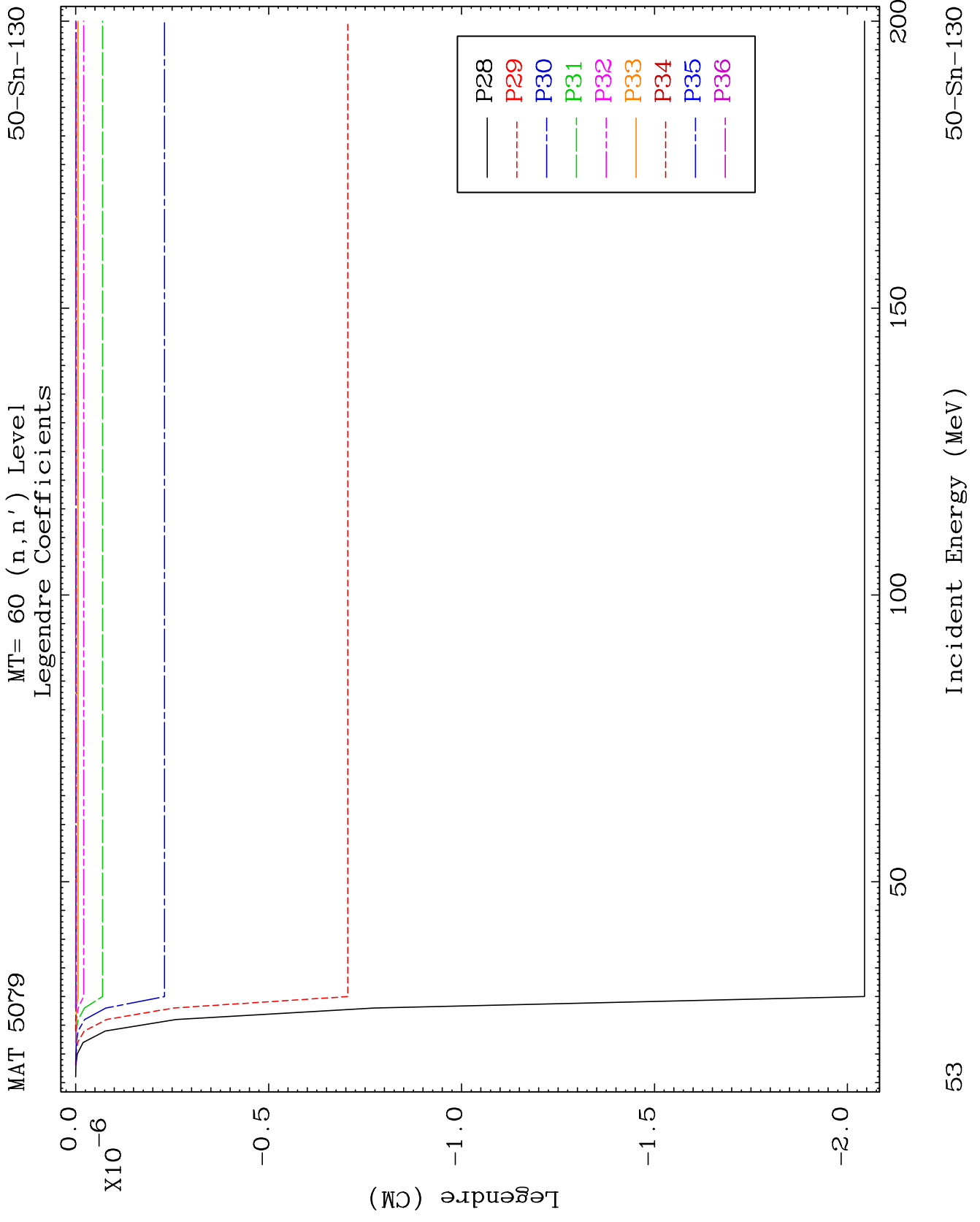


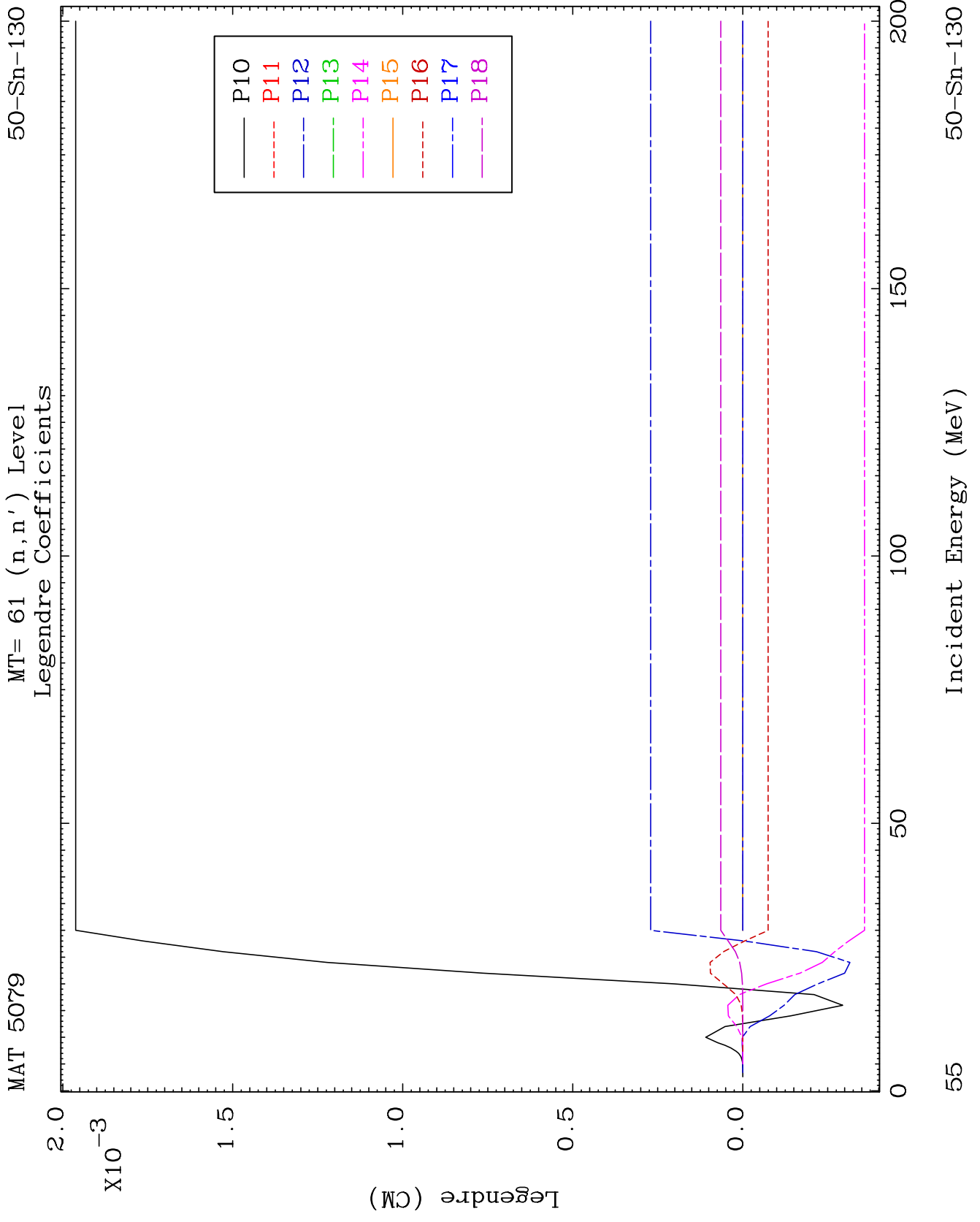
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Incident Energy (MeV)

50-Sn-130



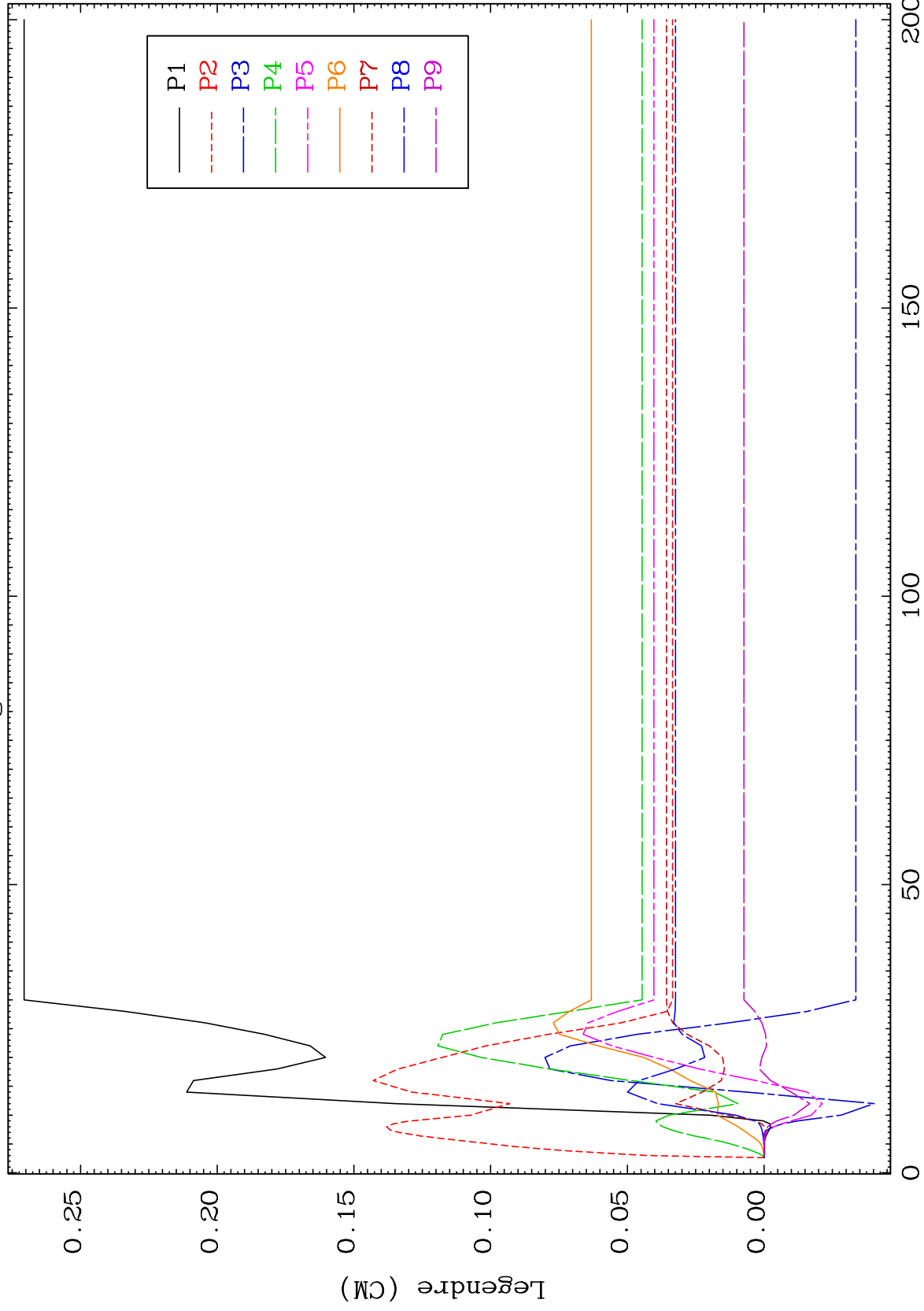




MAT 5079

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

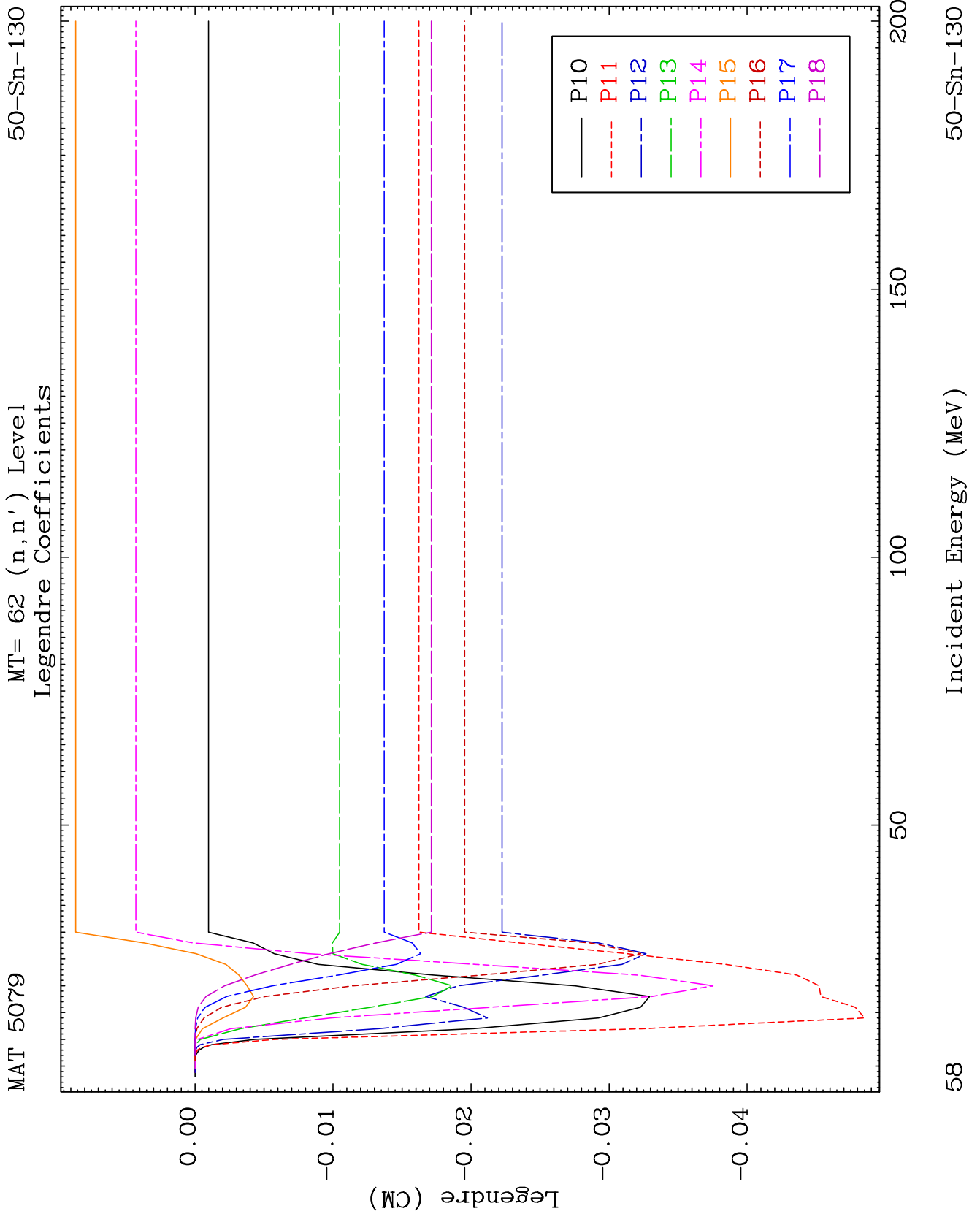
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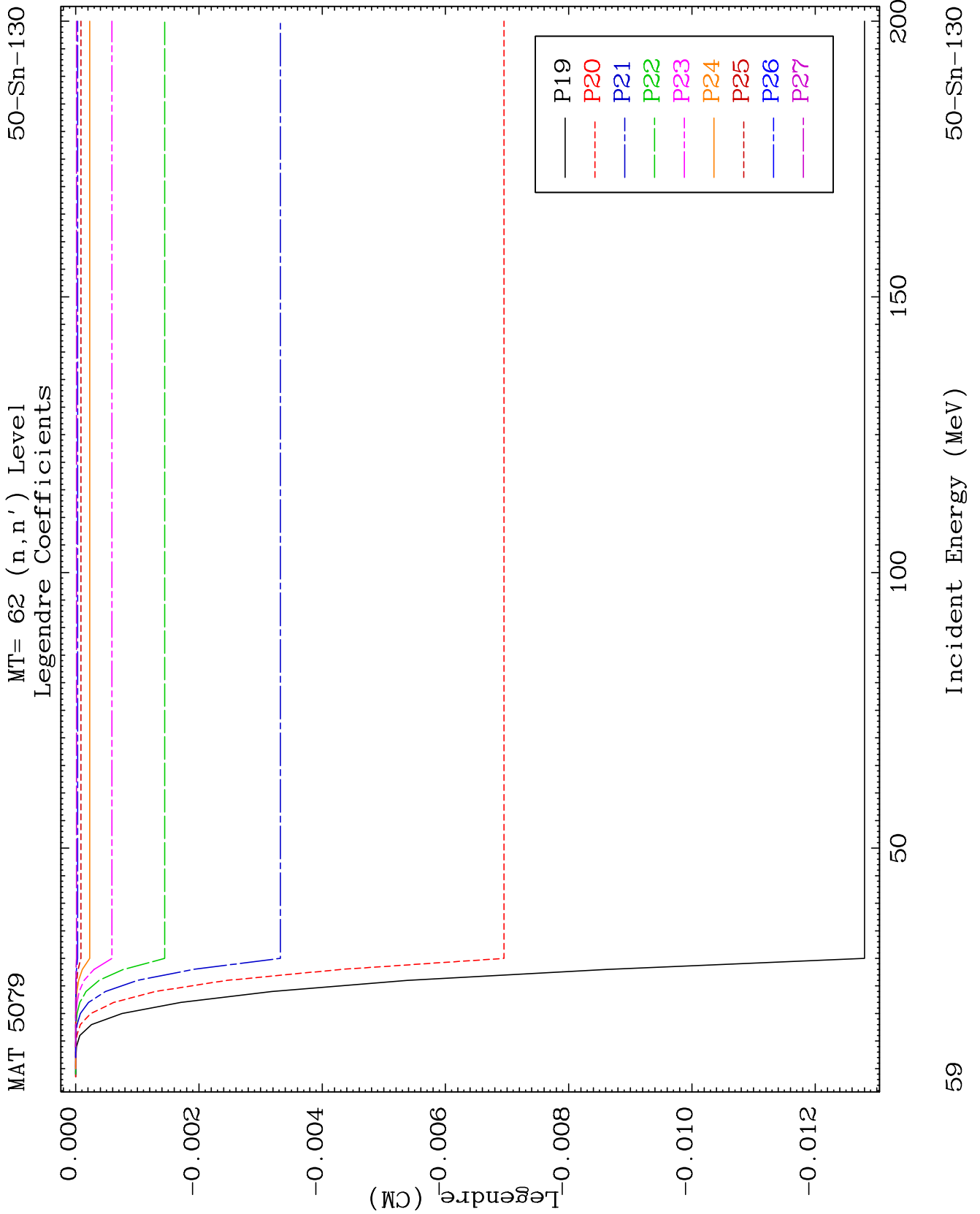


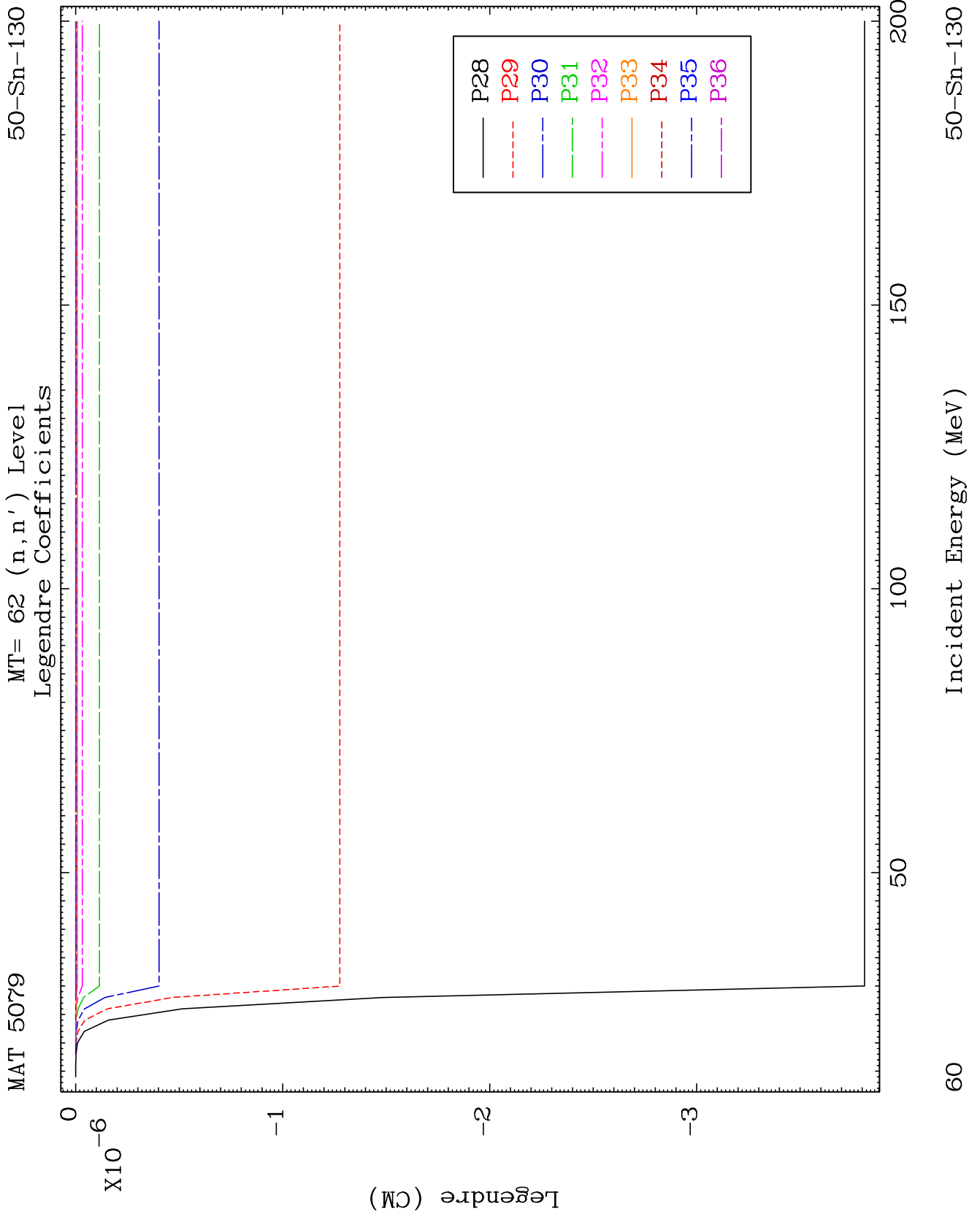
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Incident Energy (MeV)

50-Sn-130



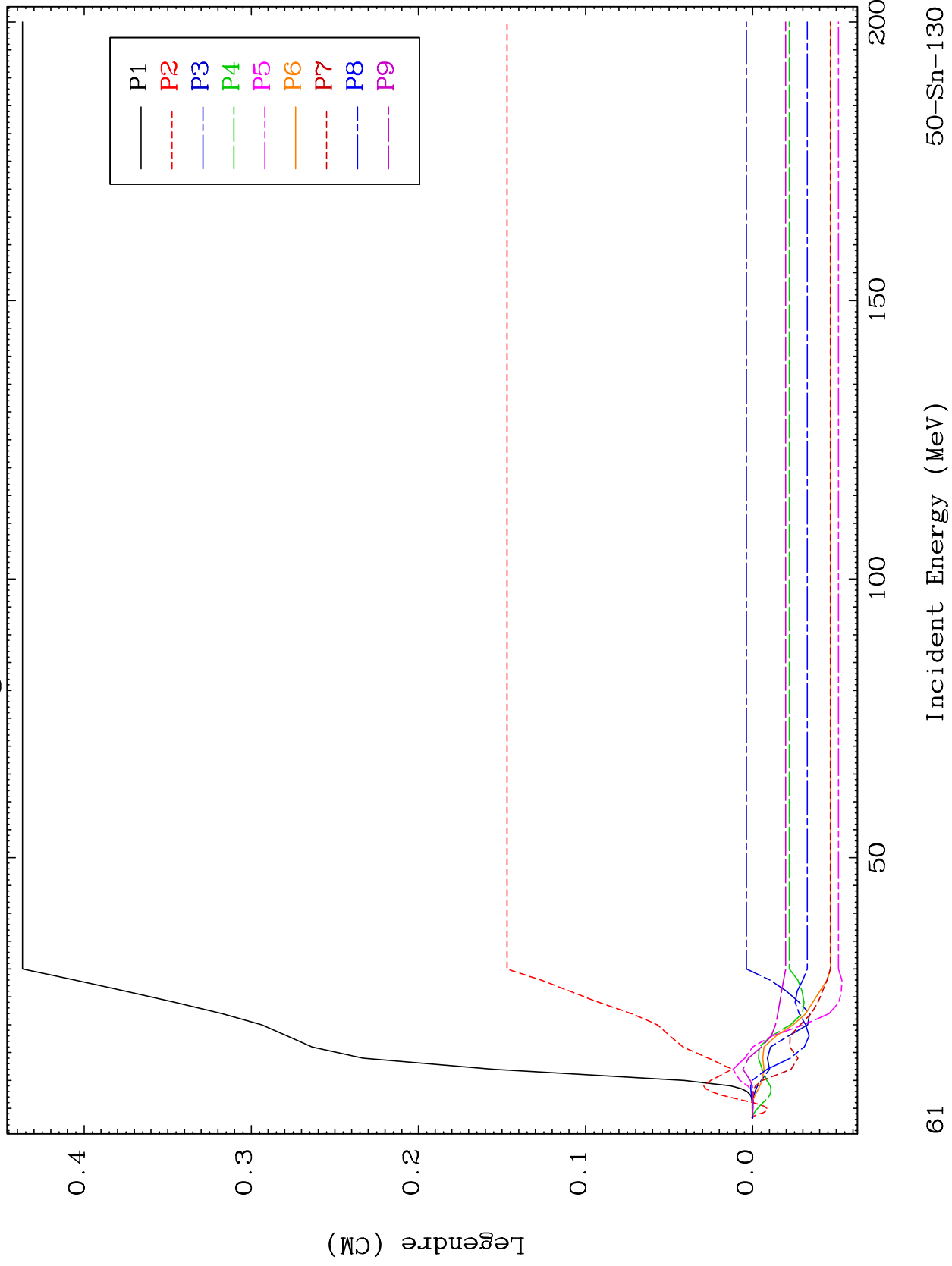




MAT 5079

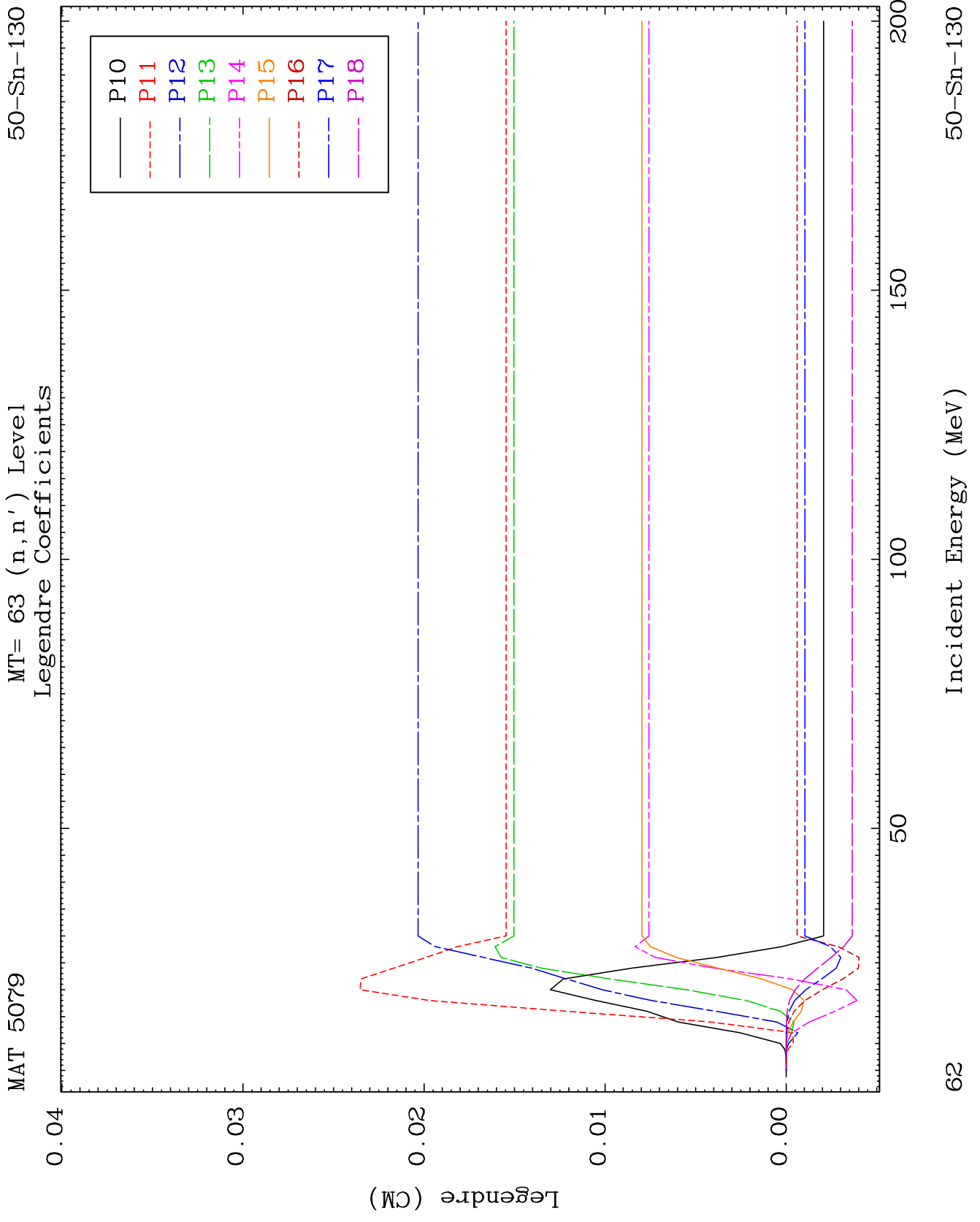
MT= 63 (n,n') Level
Legendre Coefficients

50-Sn-130



61

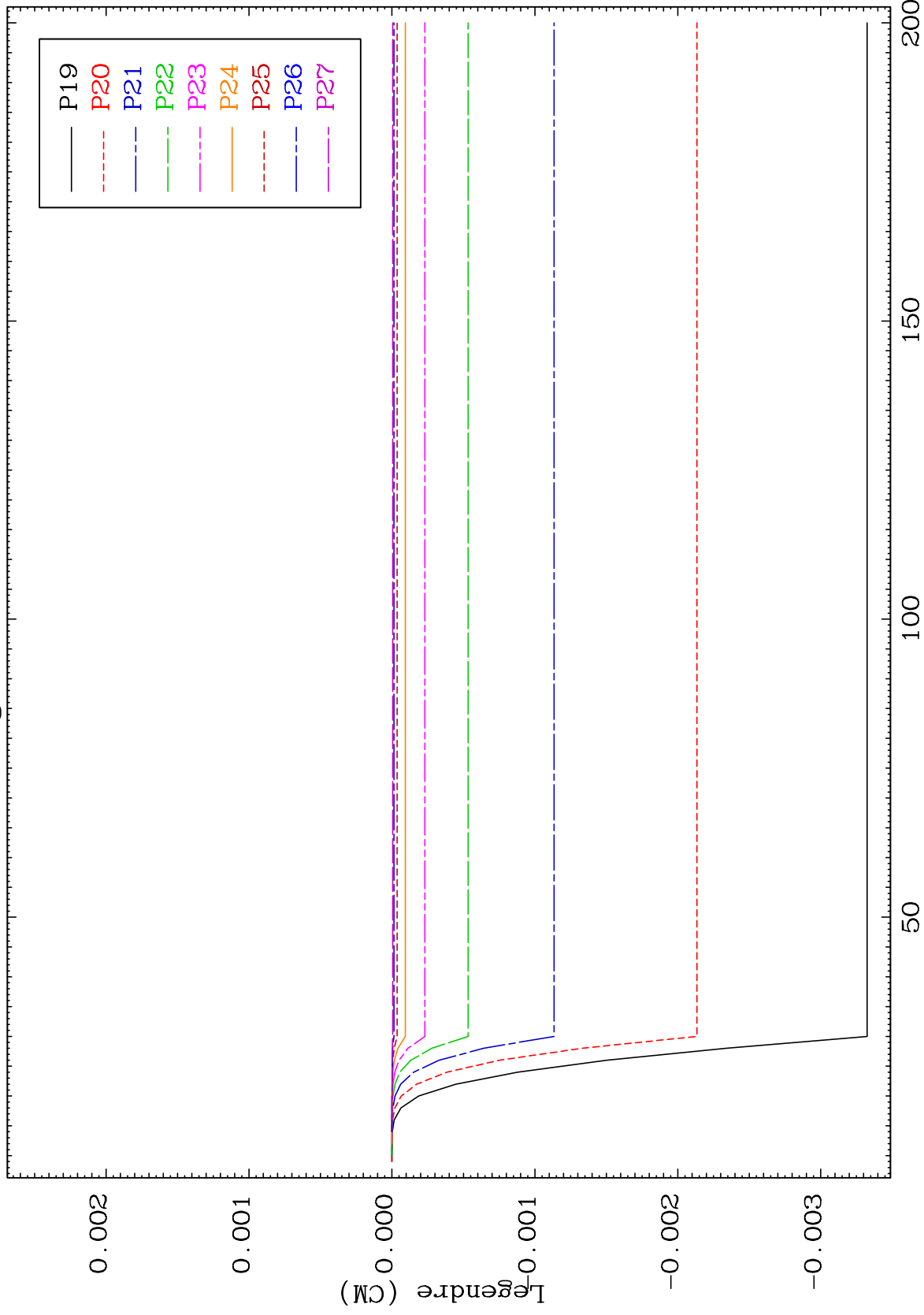
50-Sn-130



MAT 5079

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

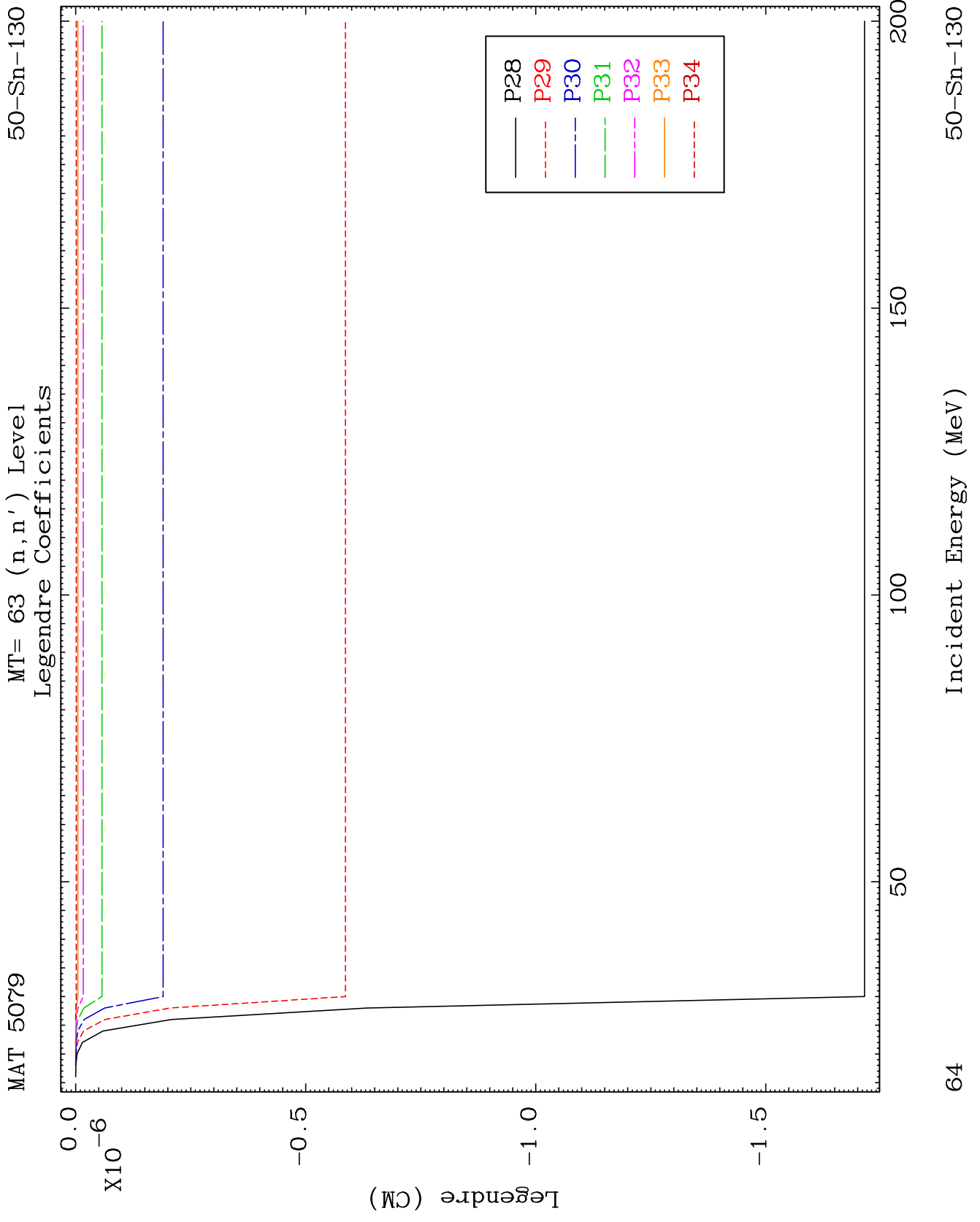
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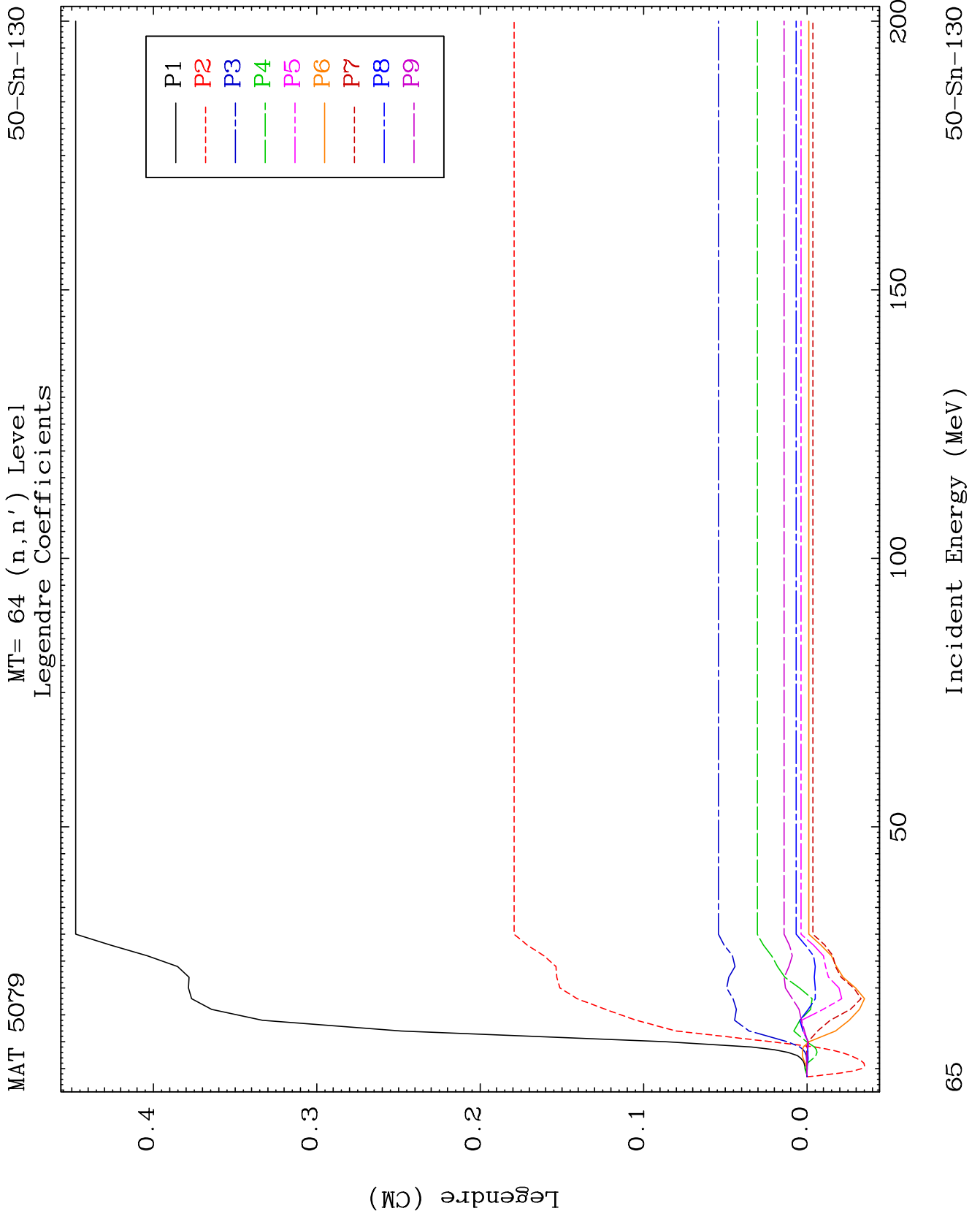


63

Incident Energy (MeV)

50-Sn-130

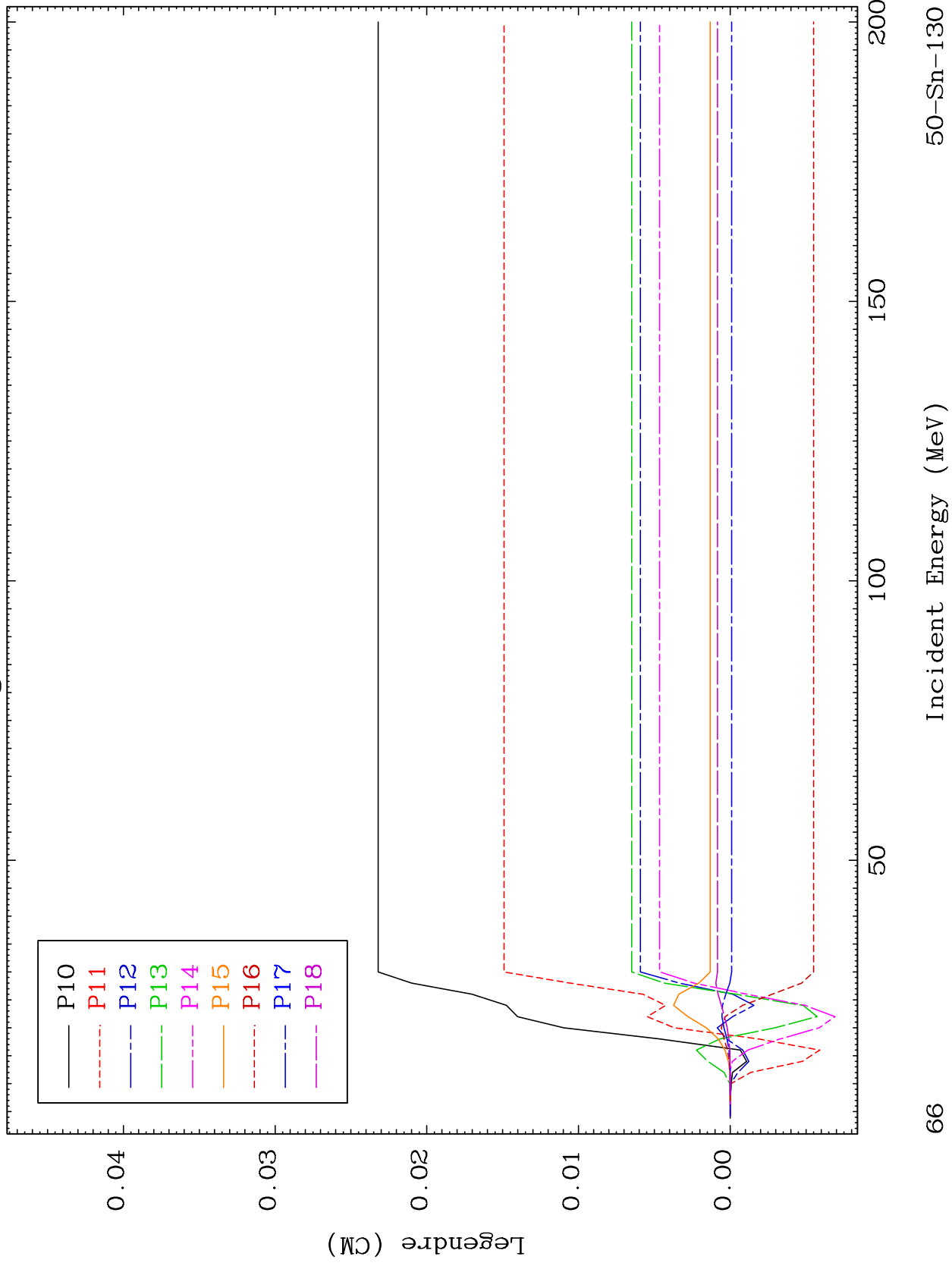




MAT 5079

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

50-Sn-130



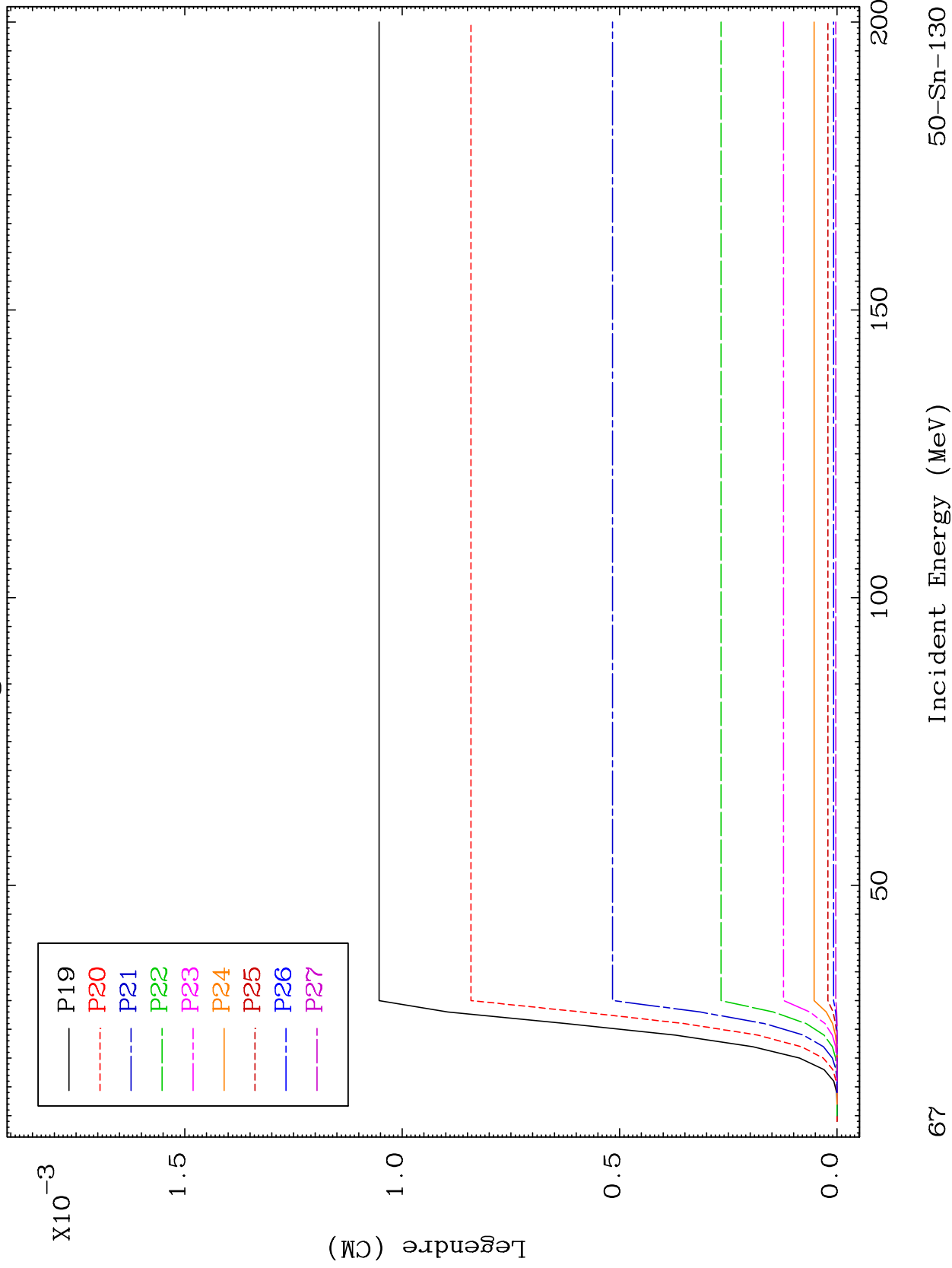
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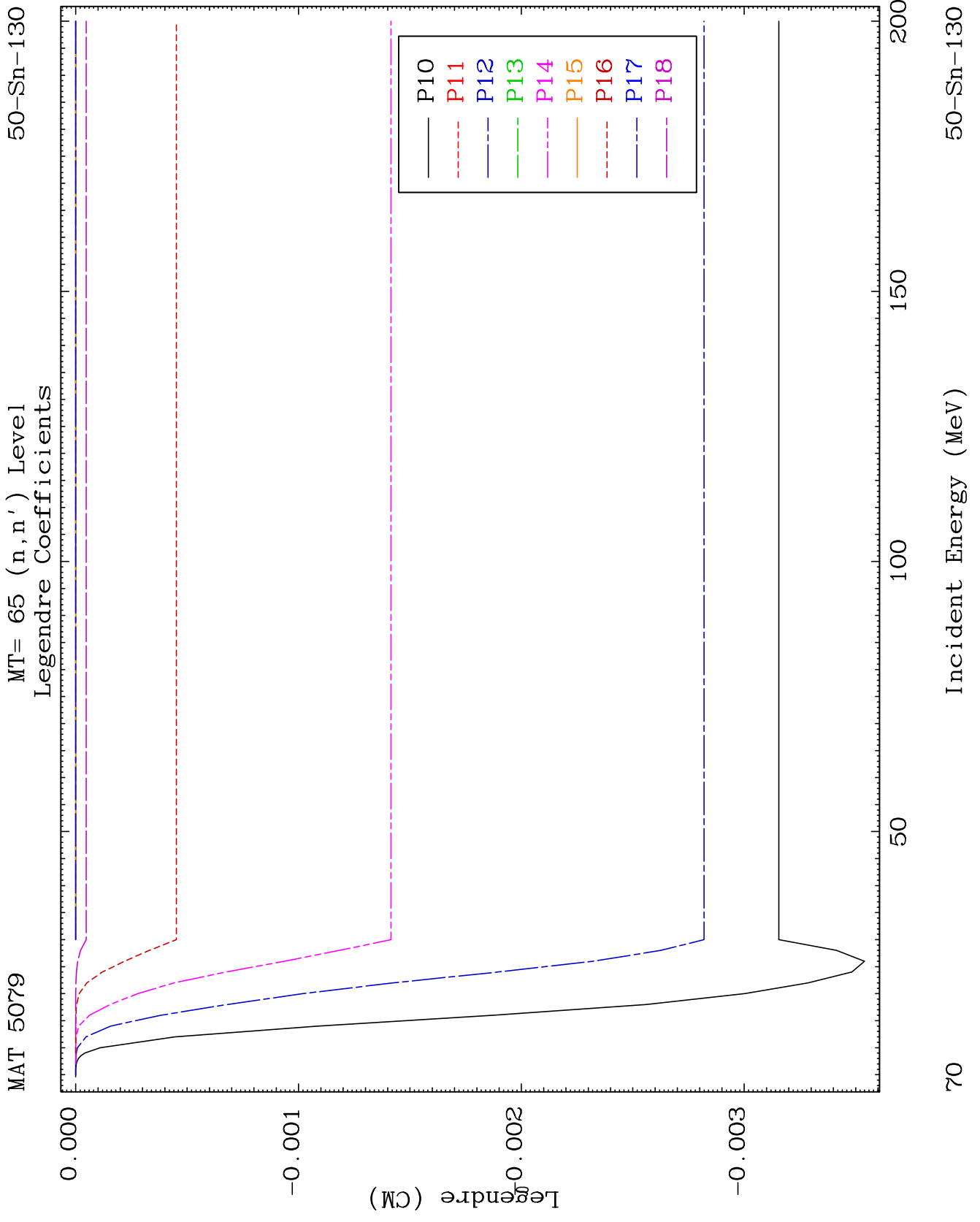
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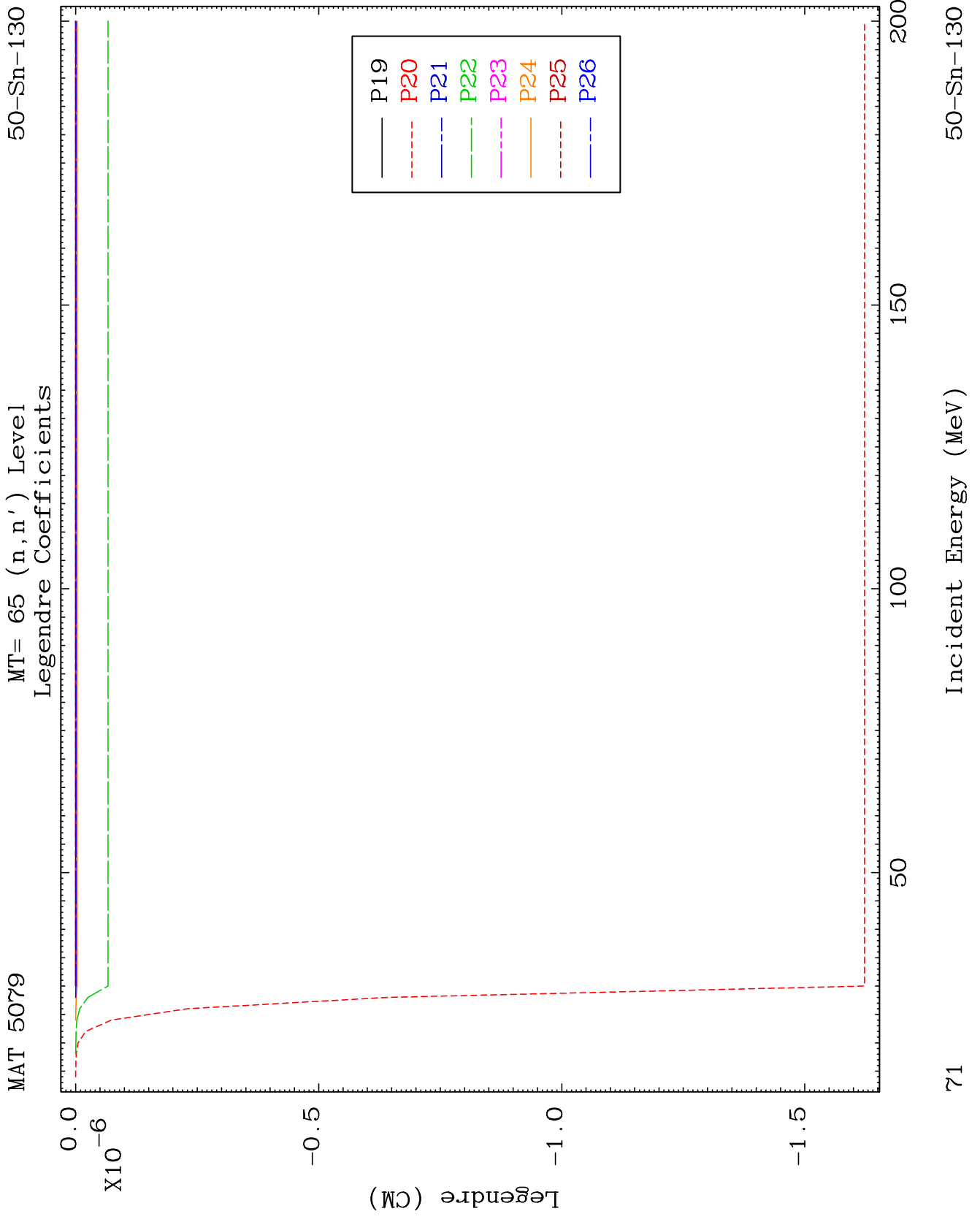
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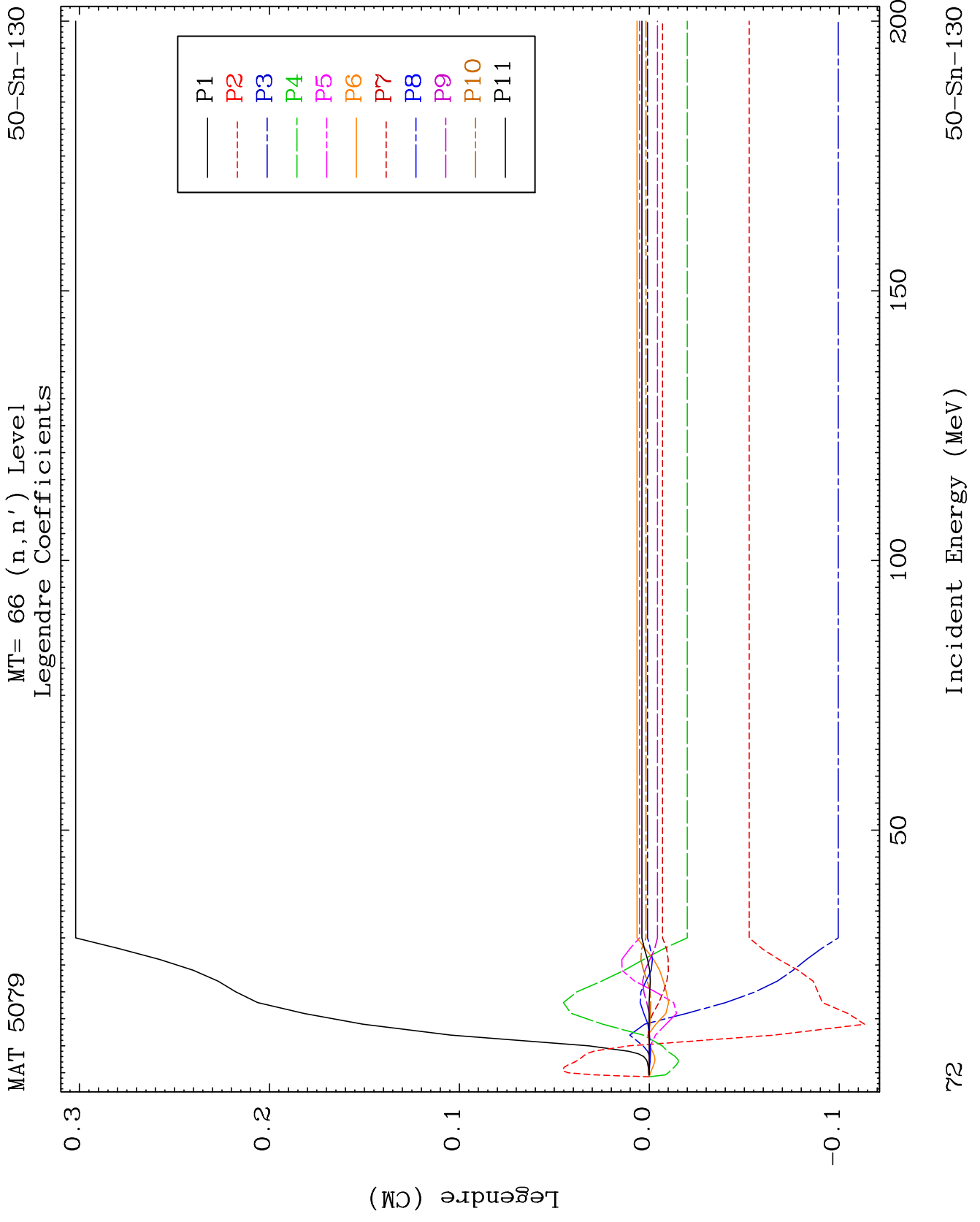
MT= 64 (n,n') Level
Legendre Coefficients

50-Sn-130





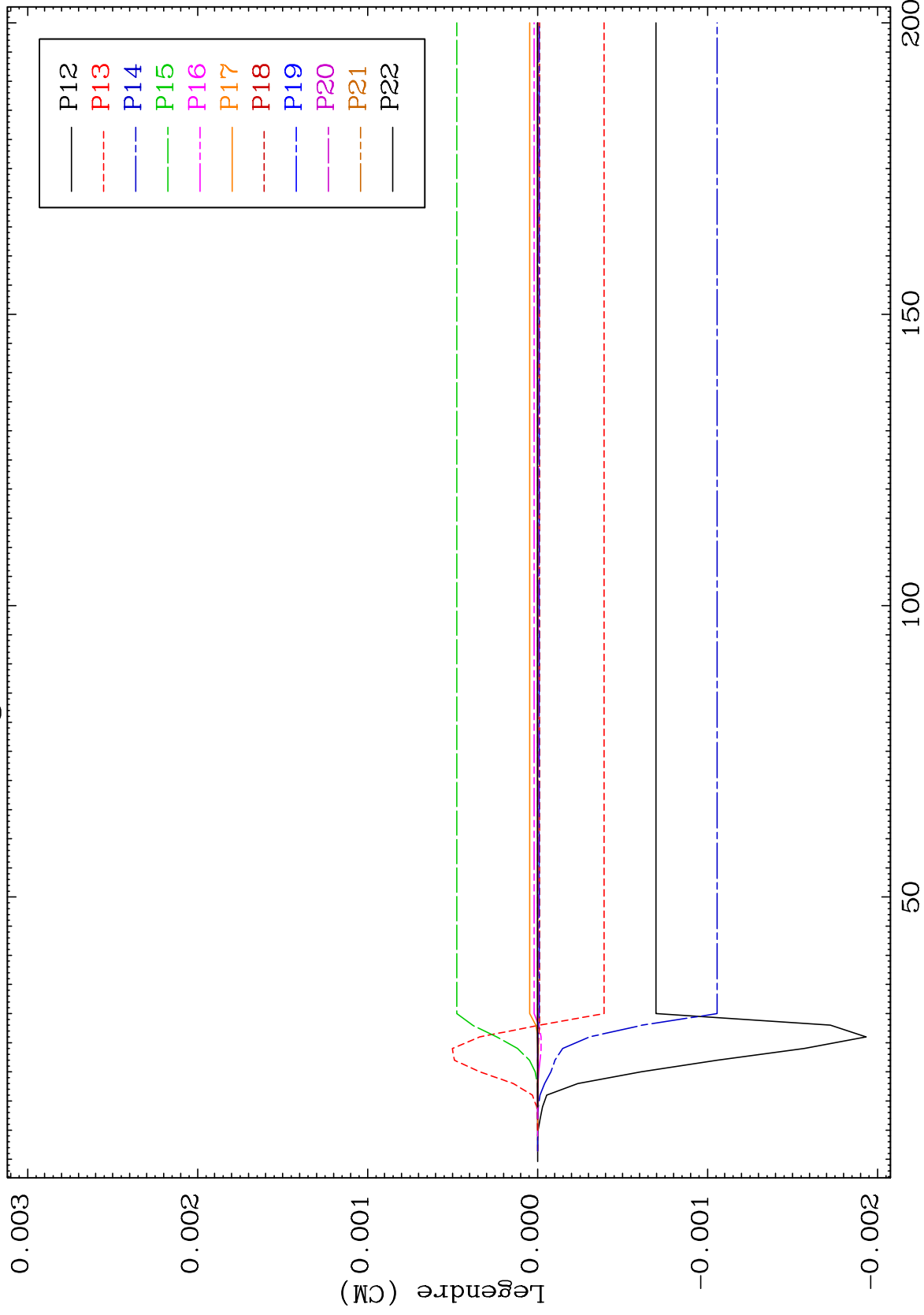




MAT 5079

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

50-Sn-130



73

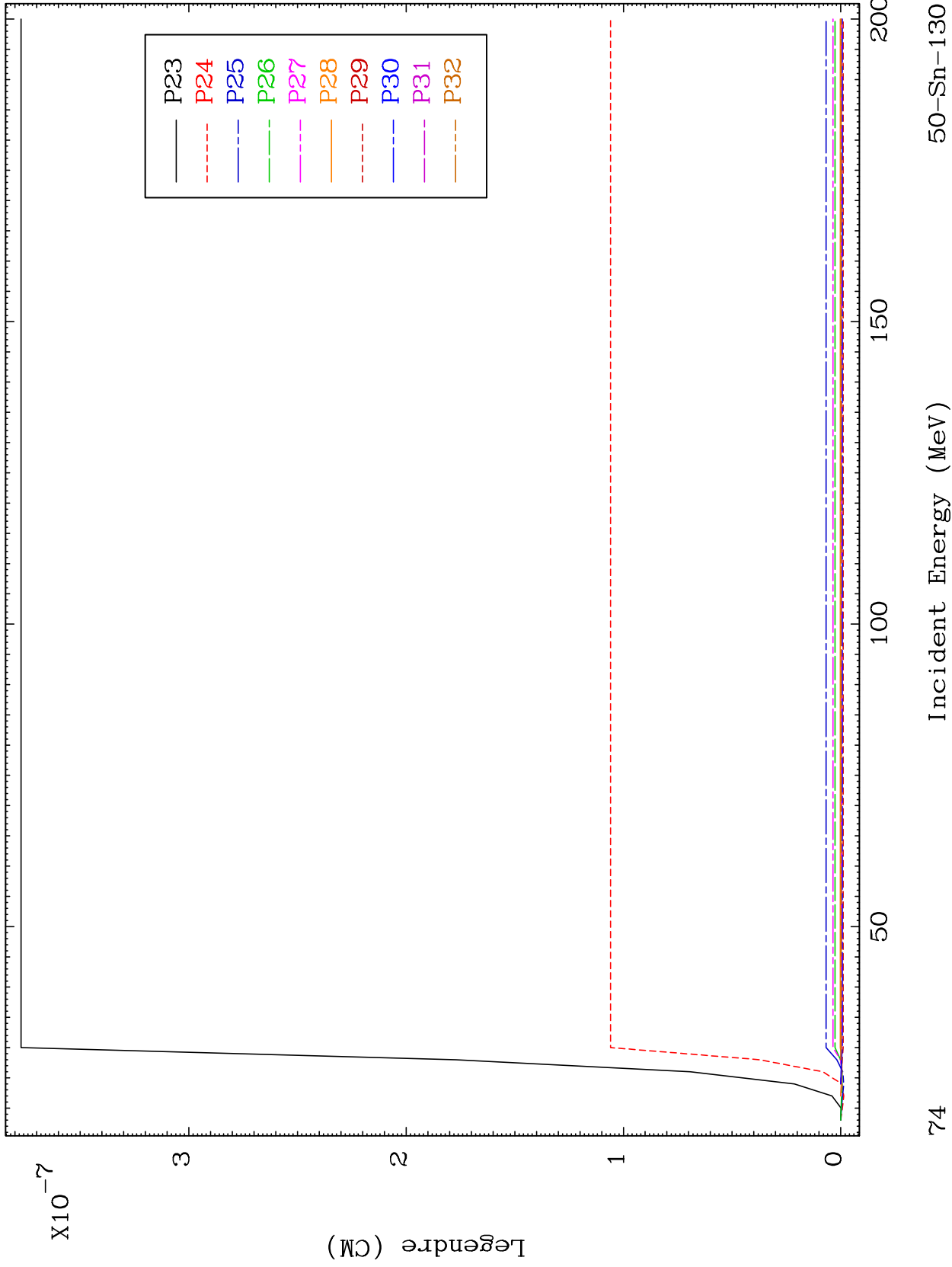
Incident Energy (MeV)

50-Sn-130

MAT 5079

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

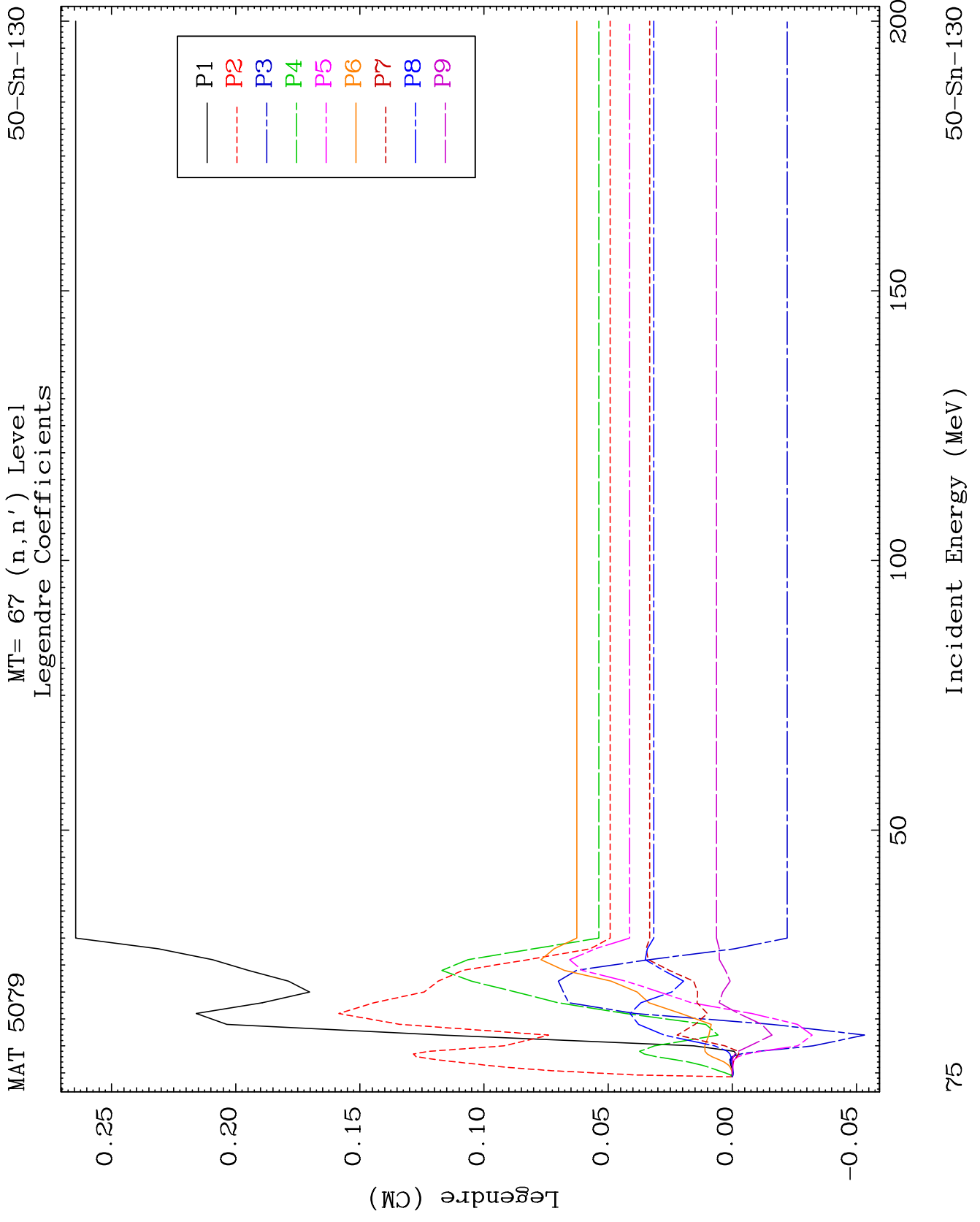
50-Sn-130



74

Incident Energy (MeV)

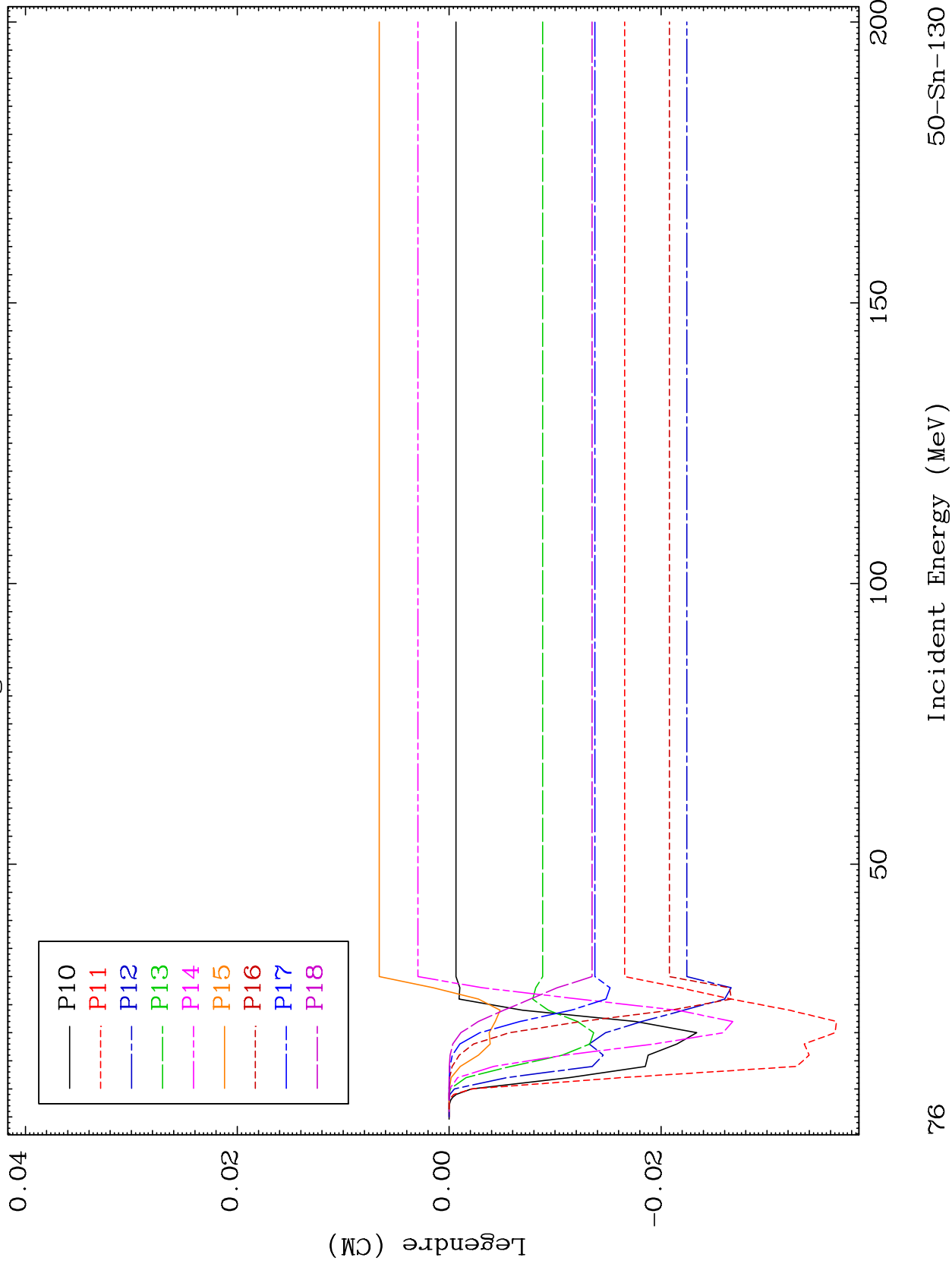
50-Sn-130



MAT 5079

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

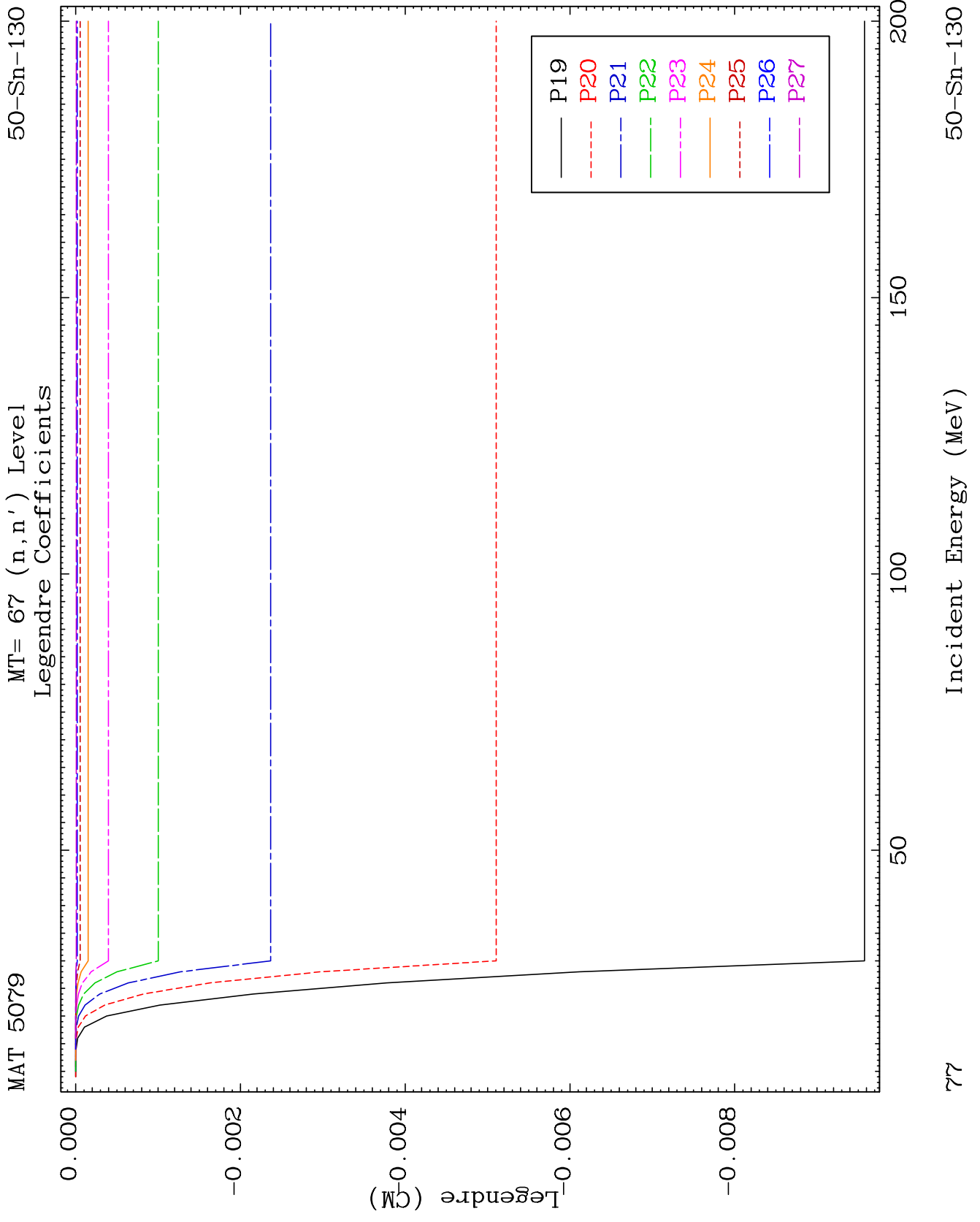
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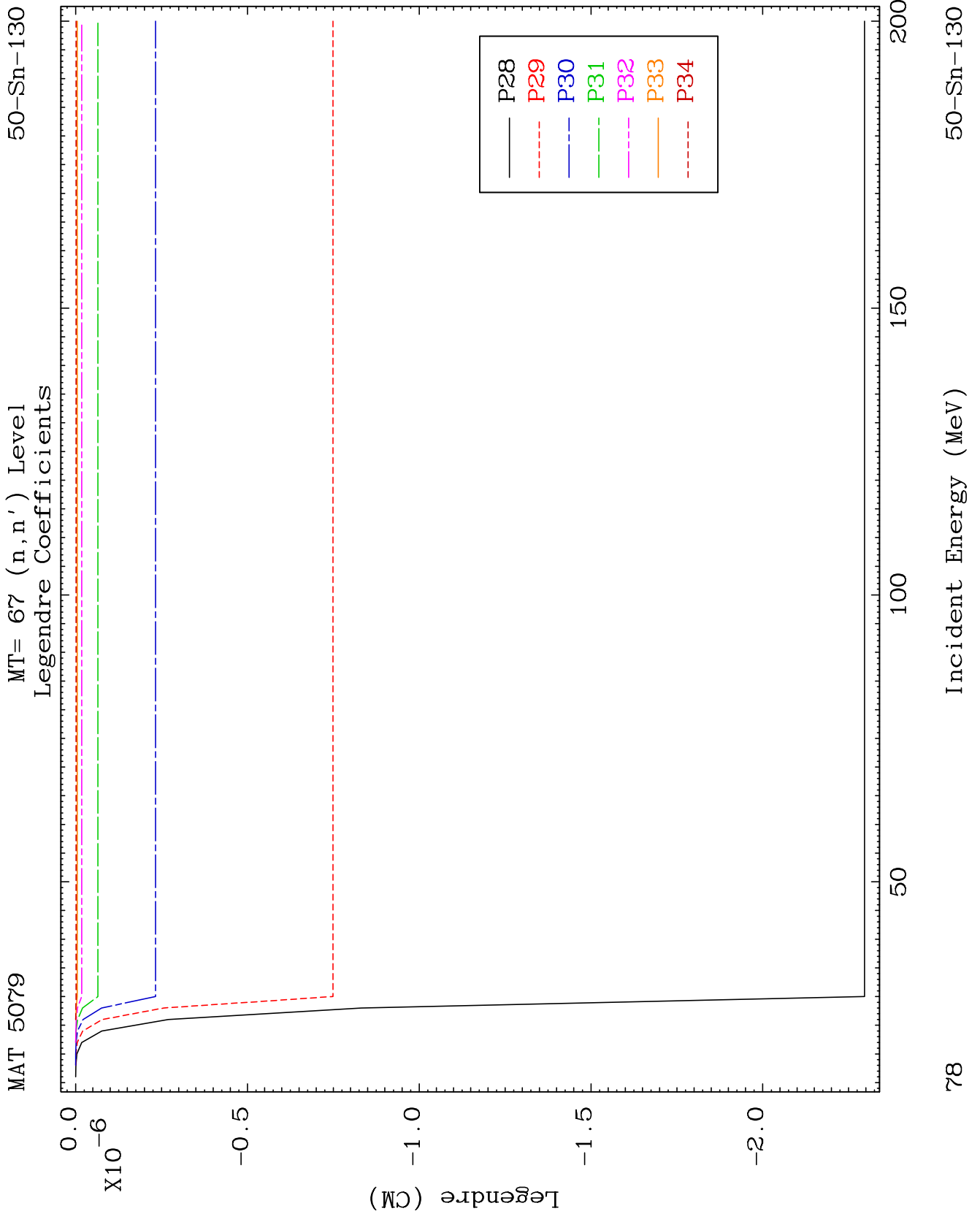


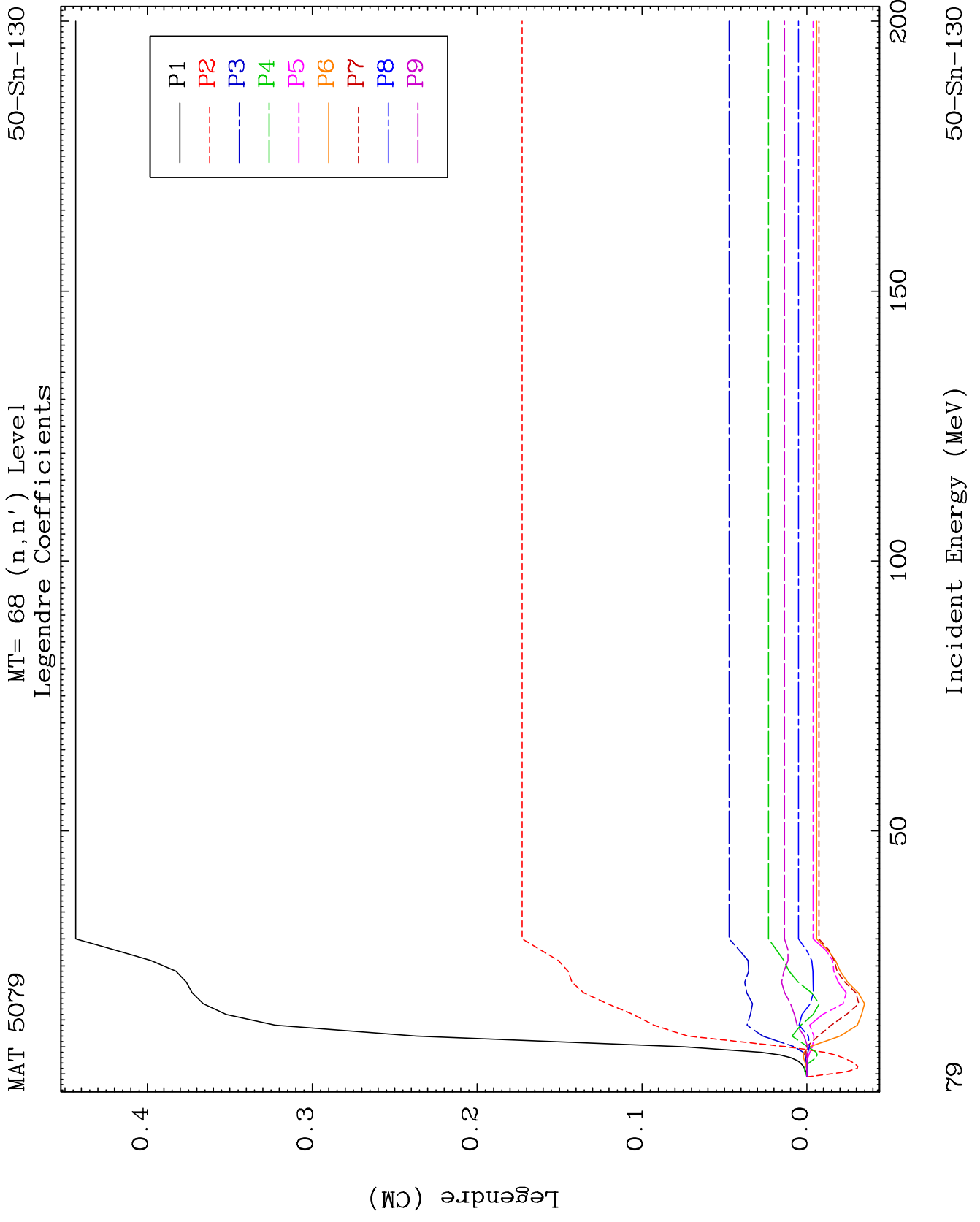
76

Incident Energy (MeV)

50-Sn-130



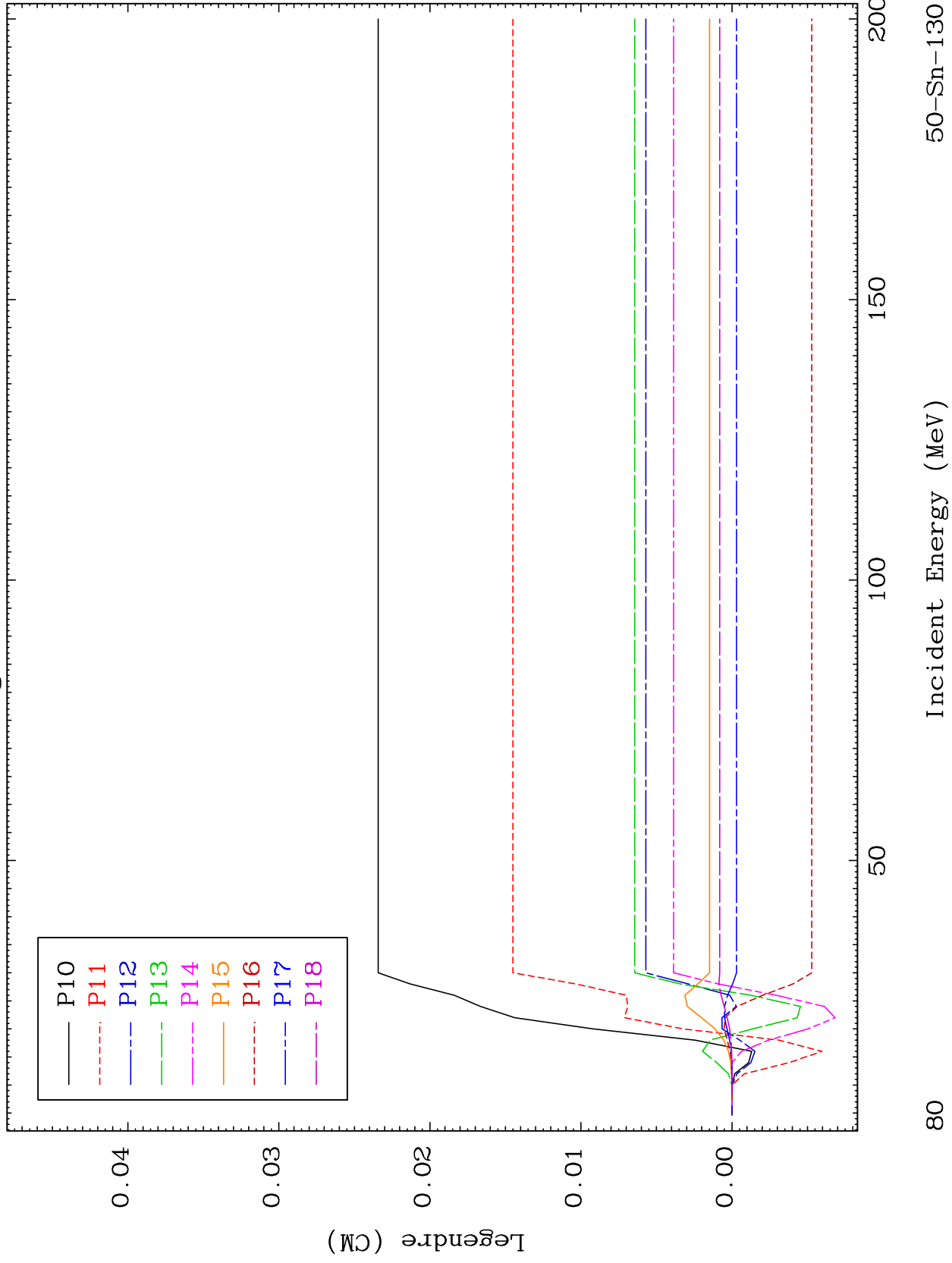




MAT 5079

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

50-Sn-130



80

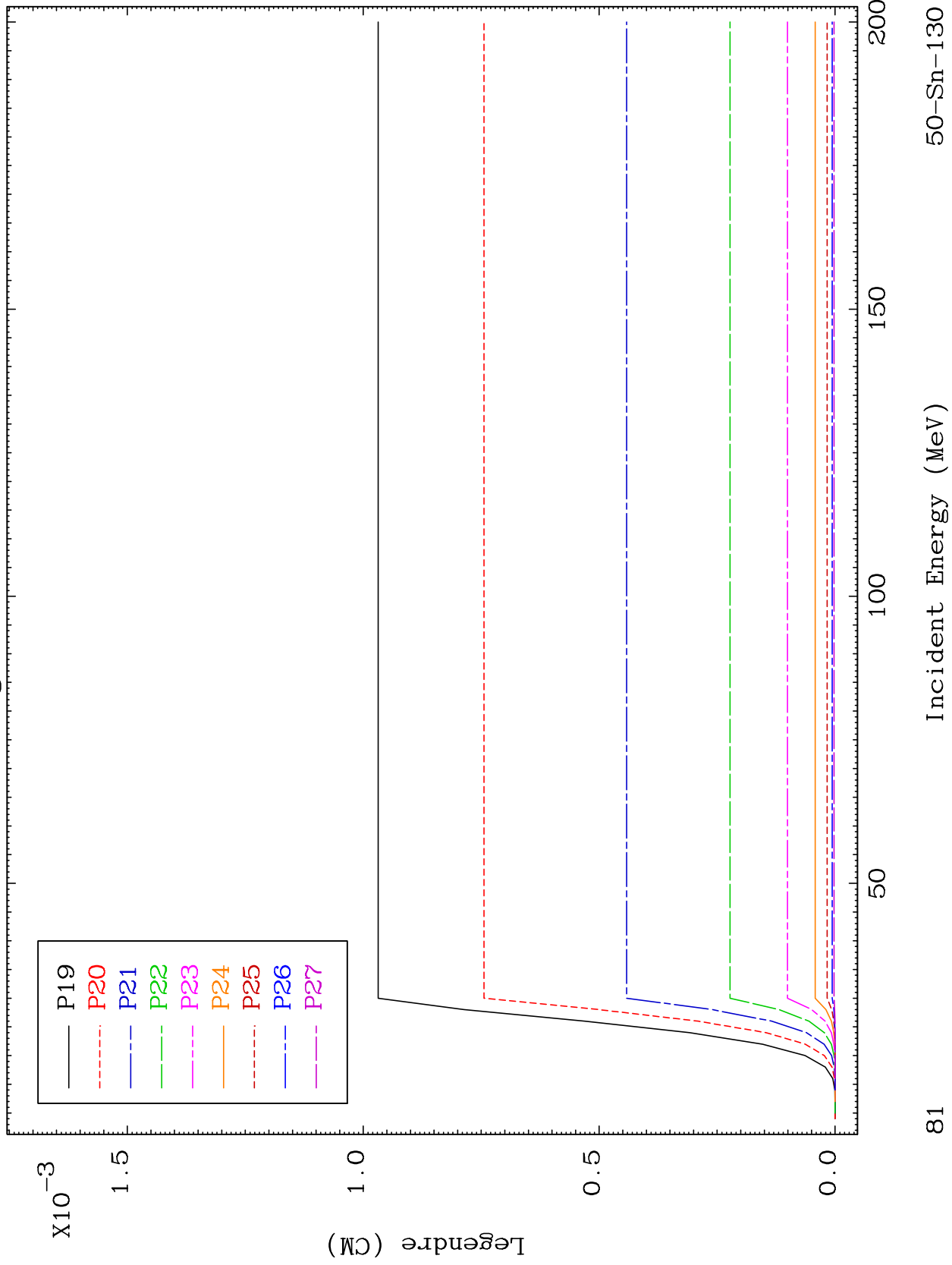
Incident Energy (MeV)

50-Sn-130

MAT 5079

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

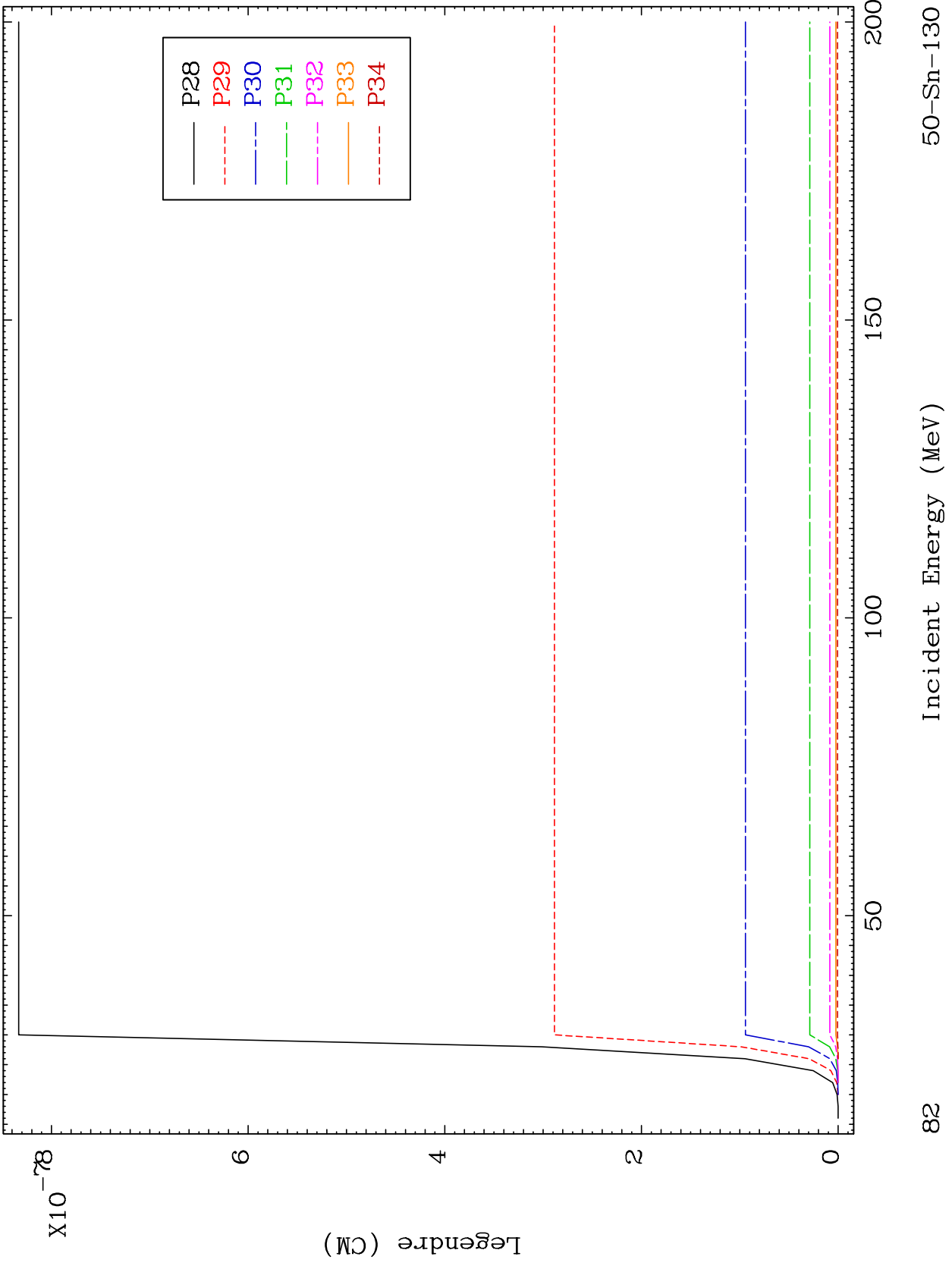
50-Sn-130



MAT 5079

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

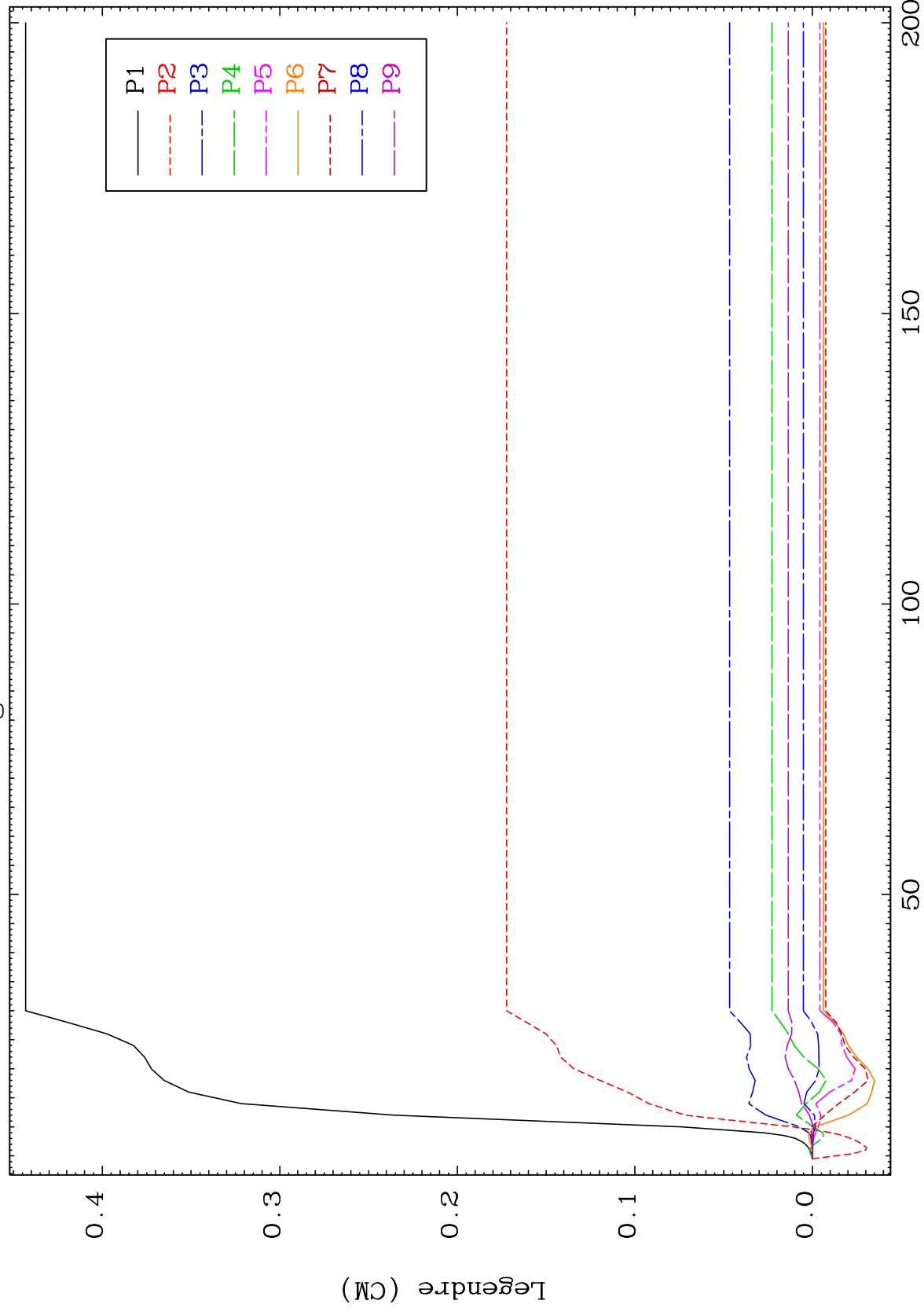
50-Sn-130



MAT 5079

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

50-Sn-130



83

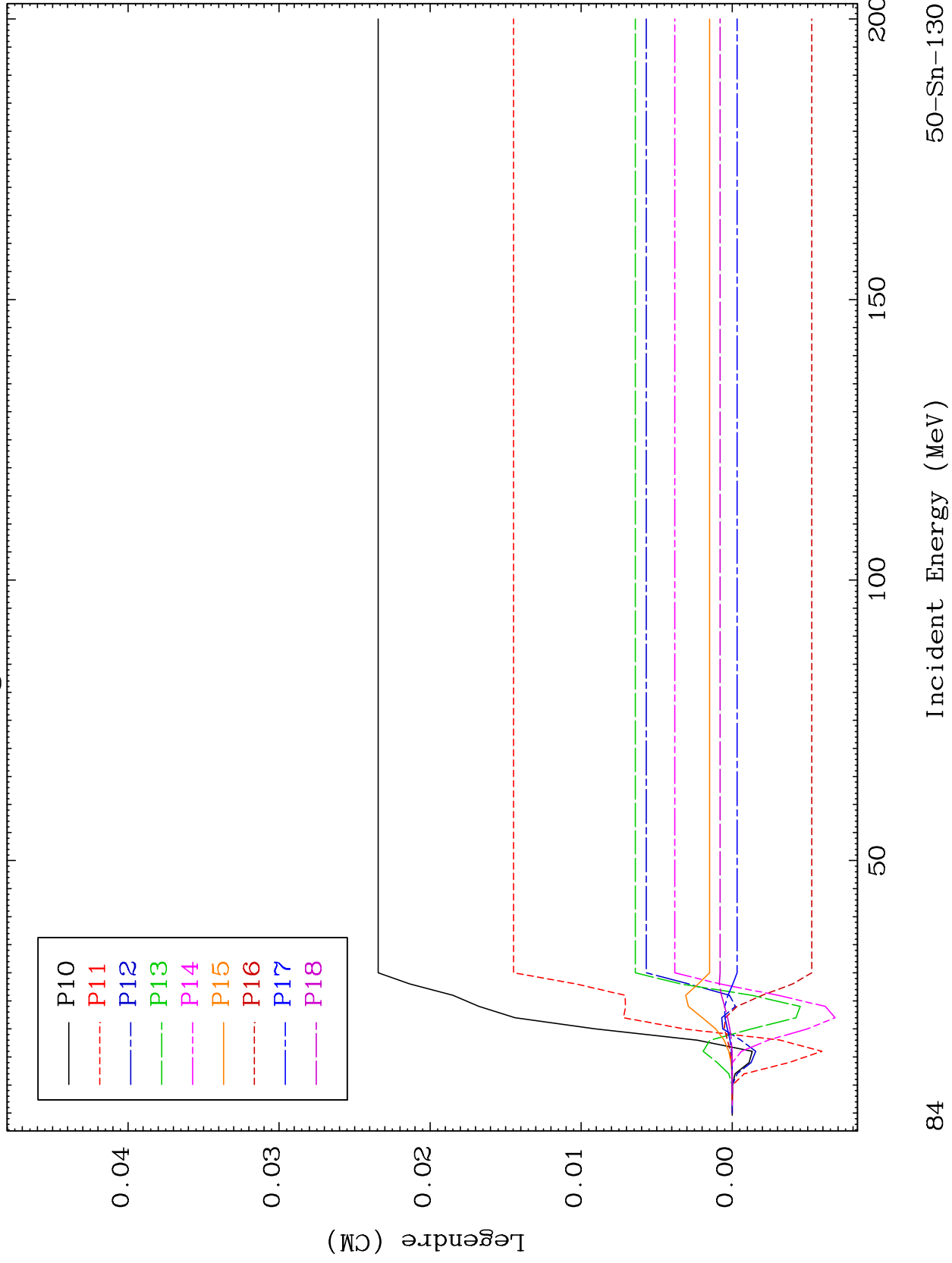
Incident Energy (MeV)

50-Sn-130

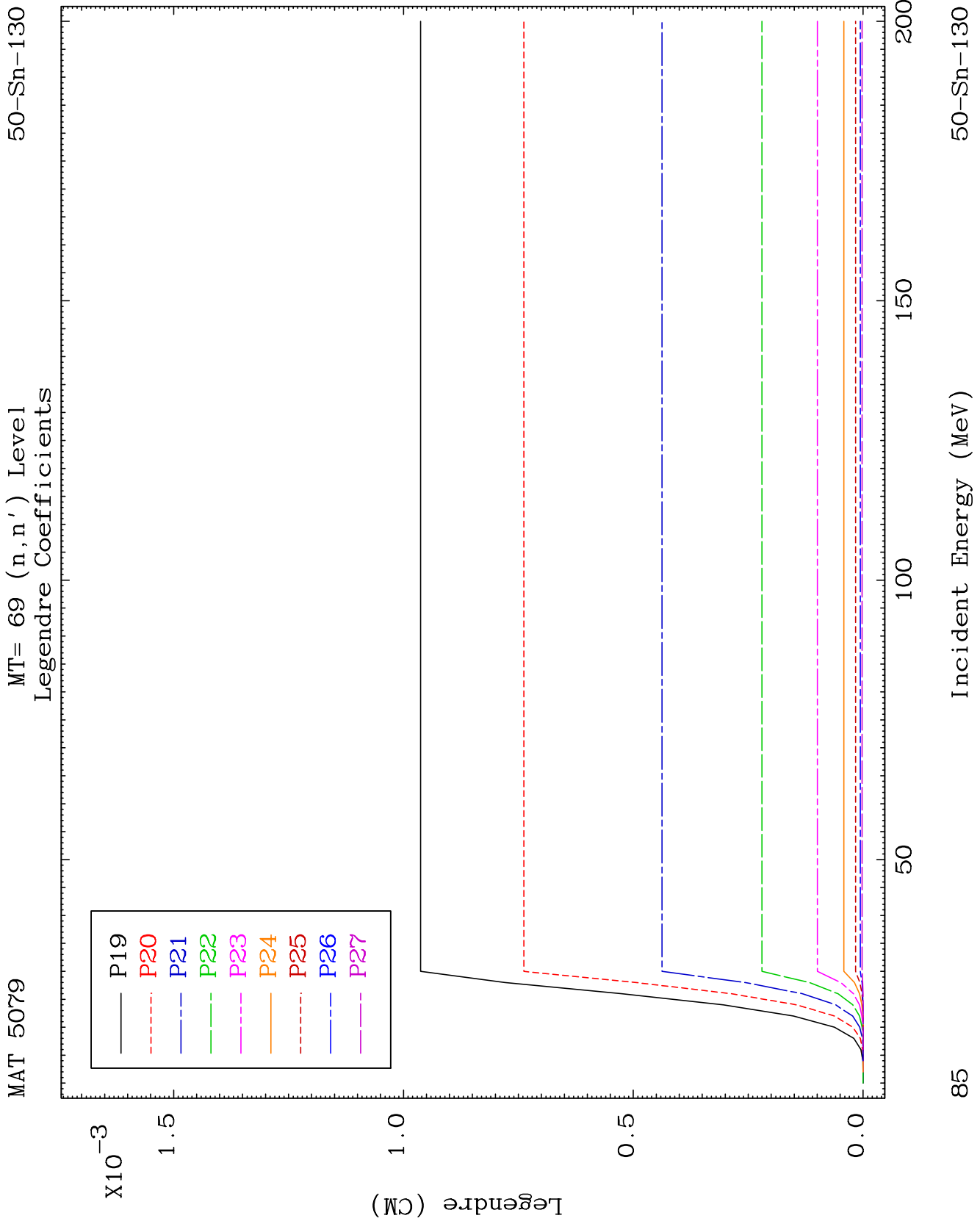
MAT 5079

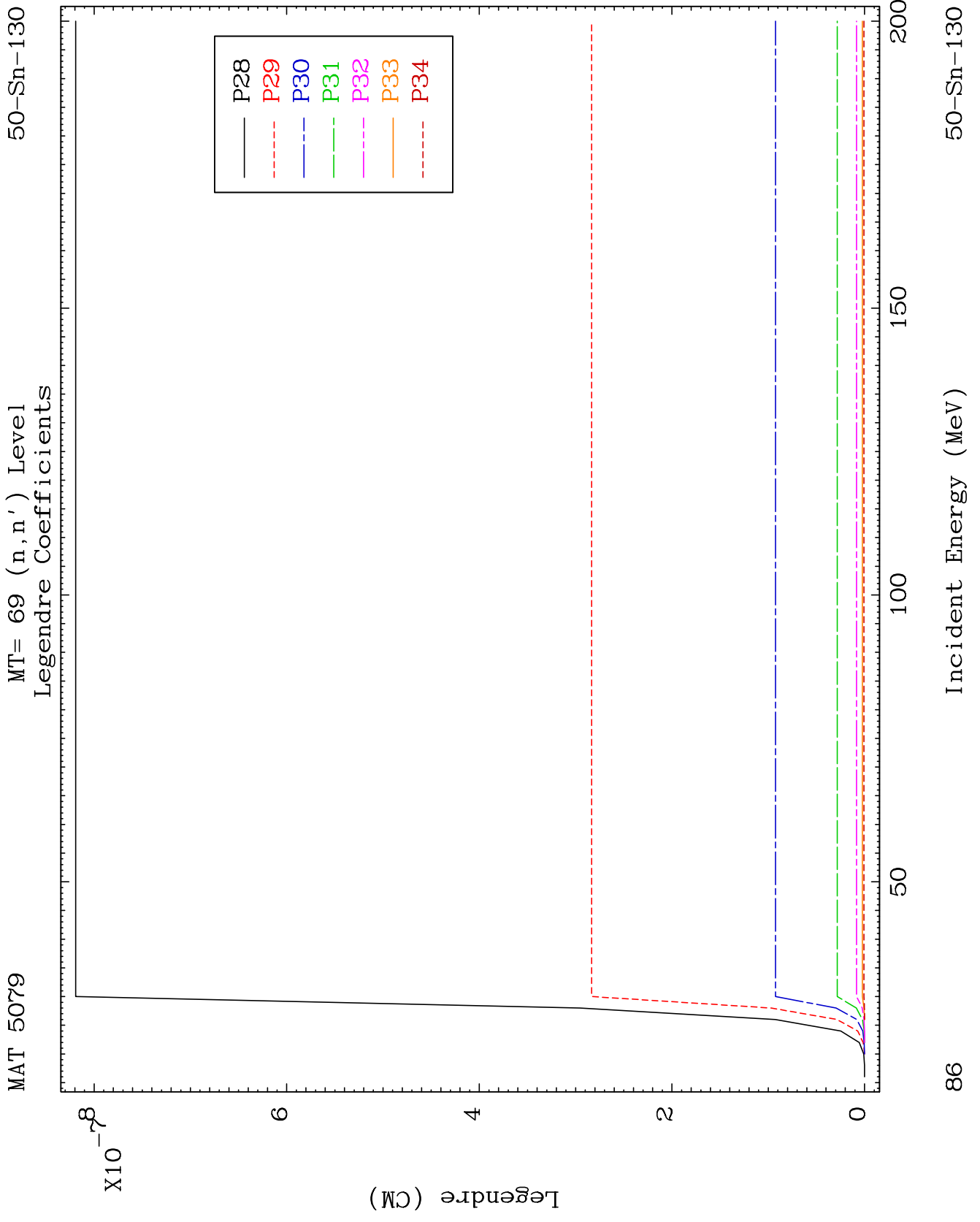
MT= 69 (n,n') Level
Legendre Coefficients

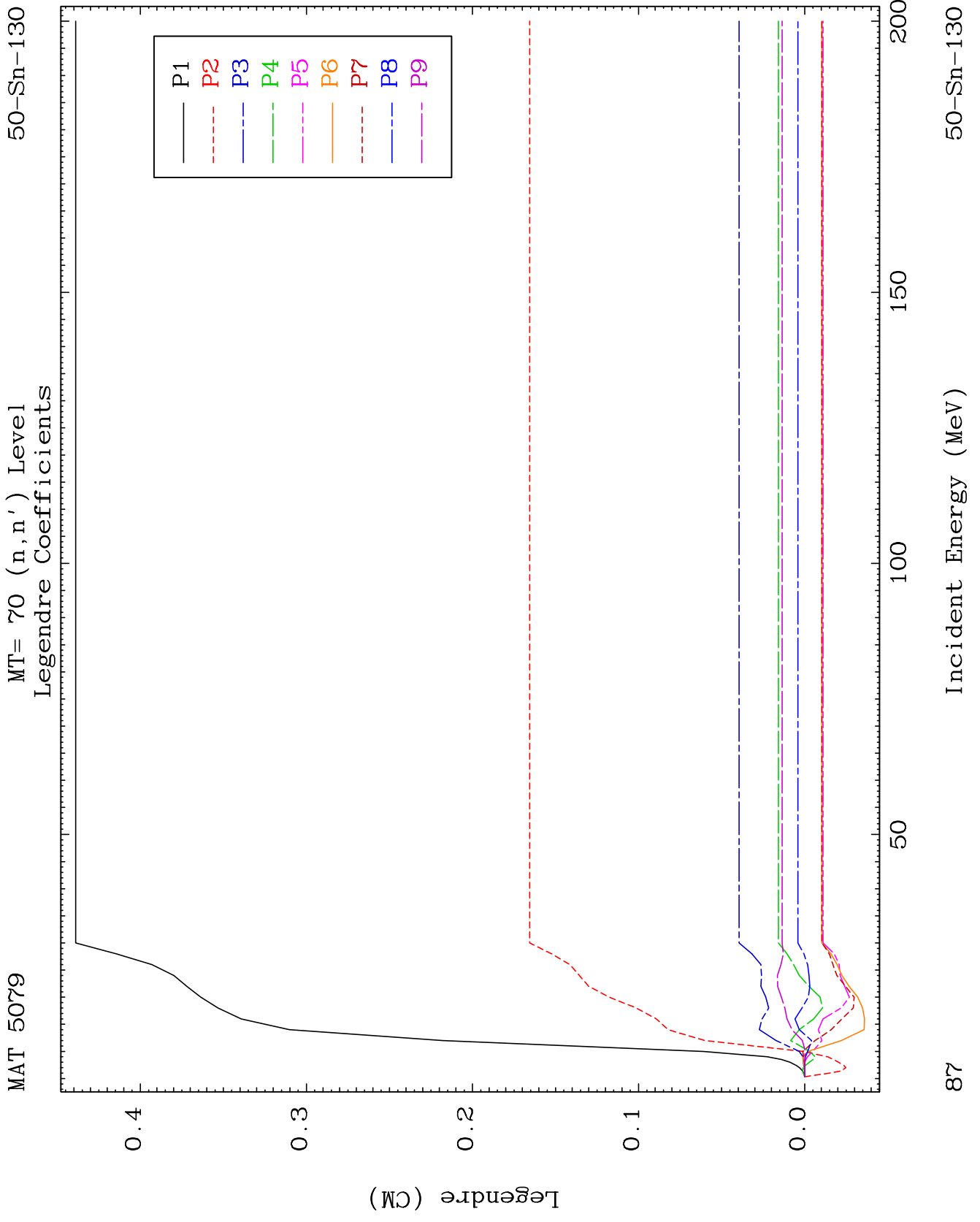
50-Sn-130



84



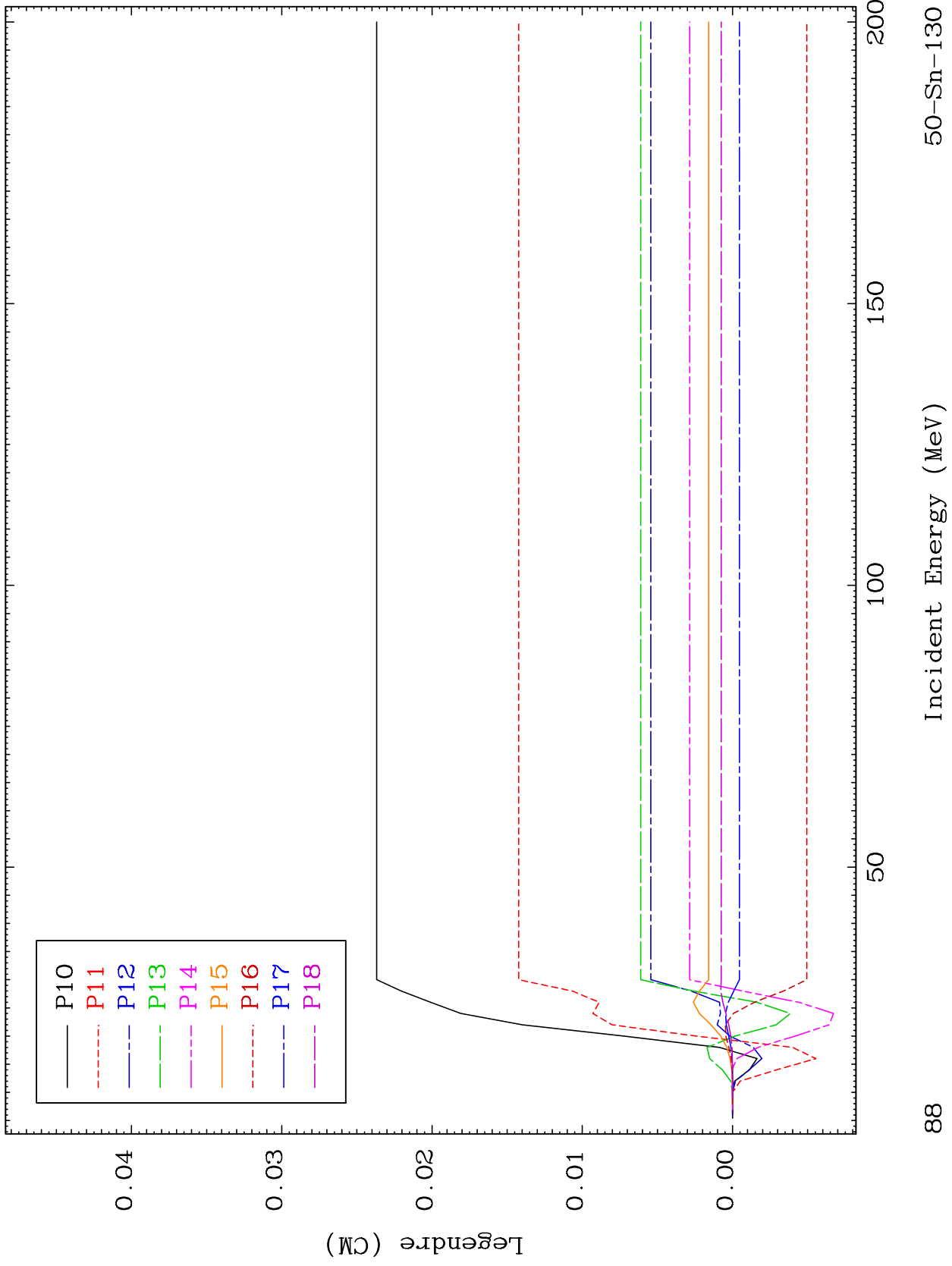


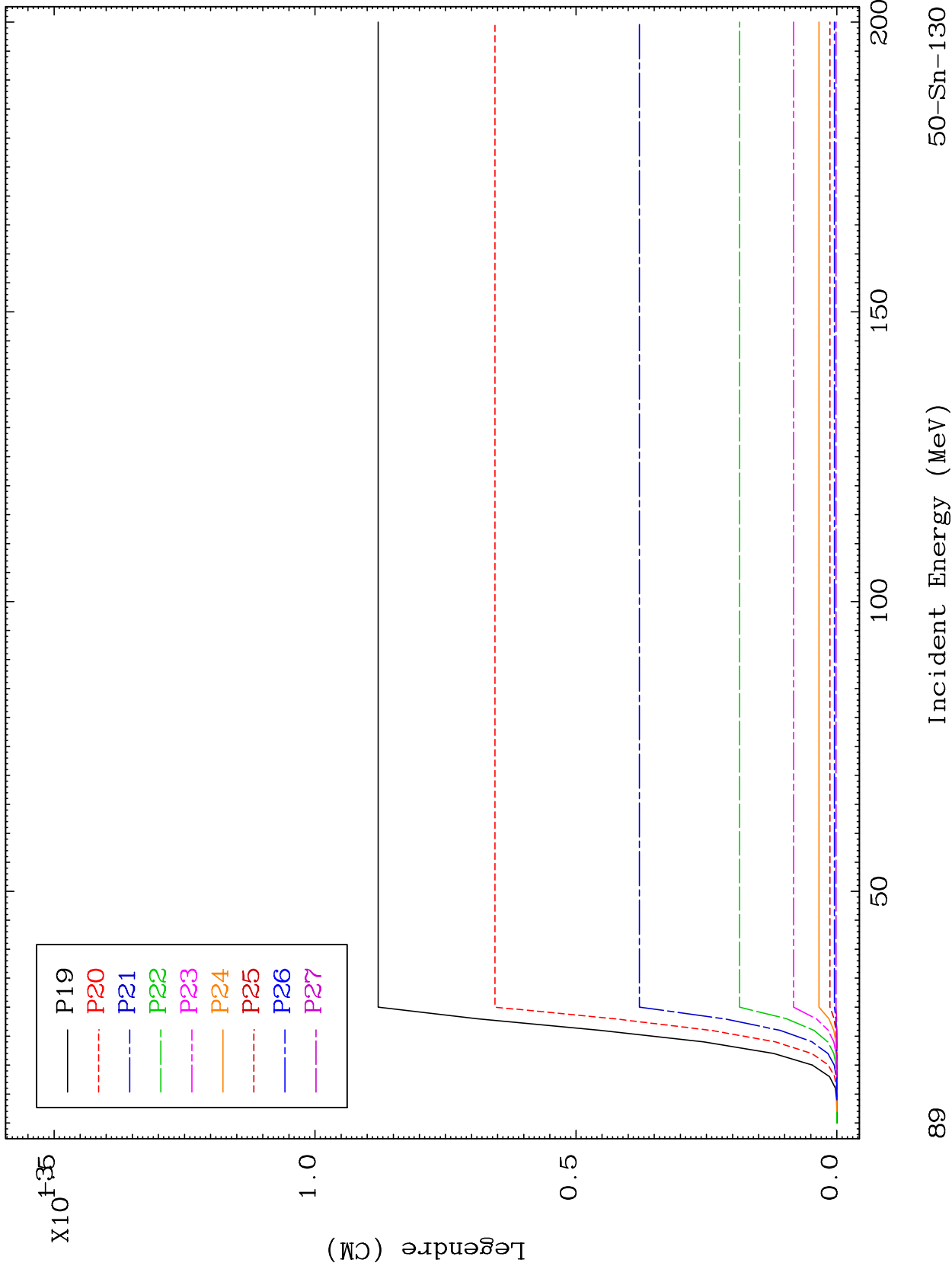


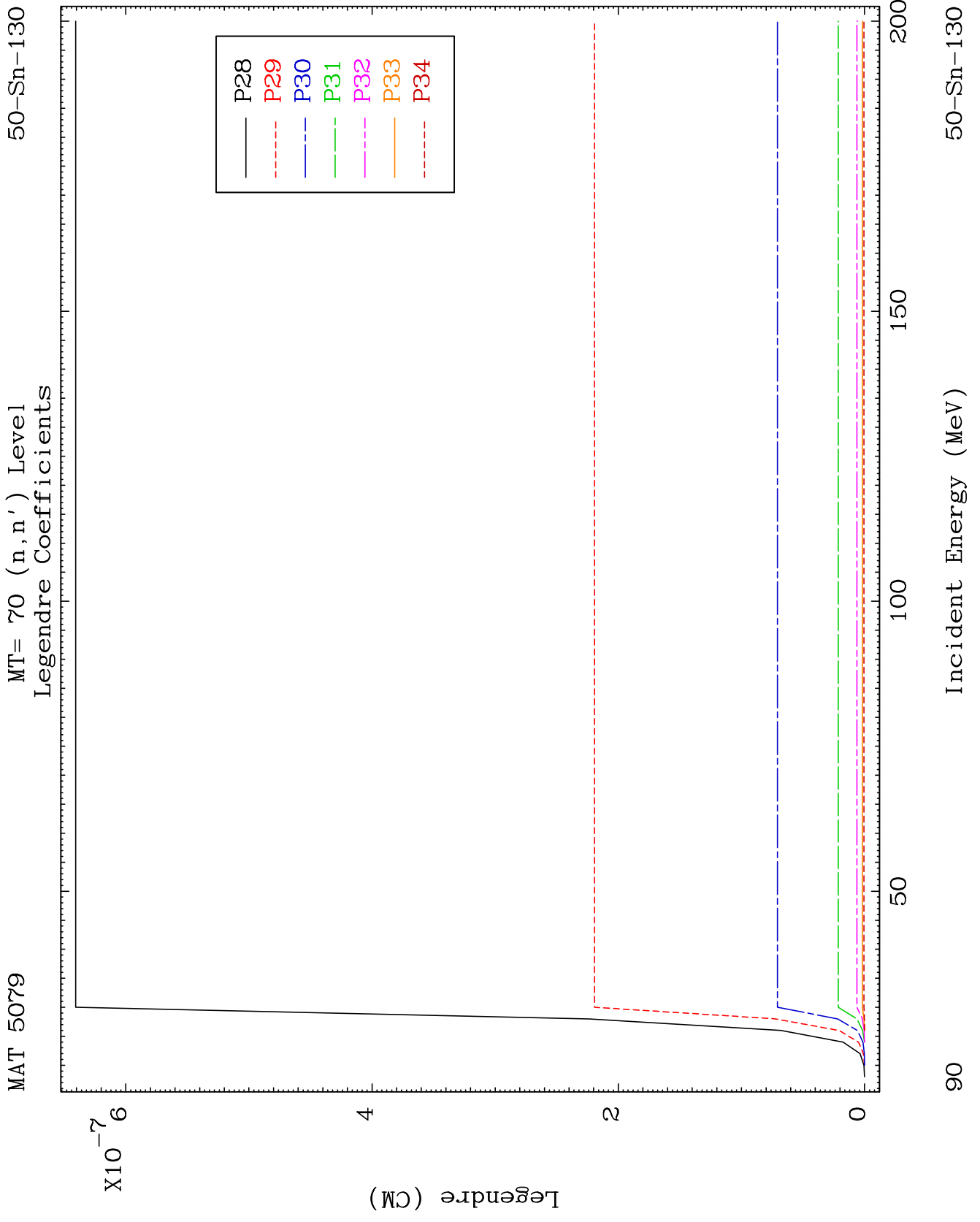
MAT 5079

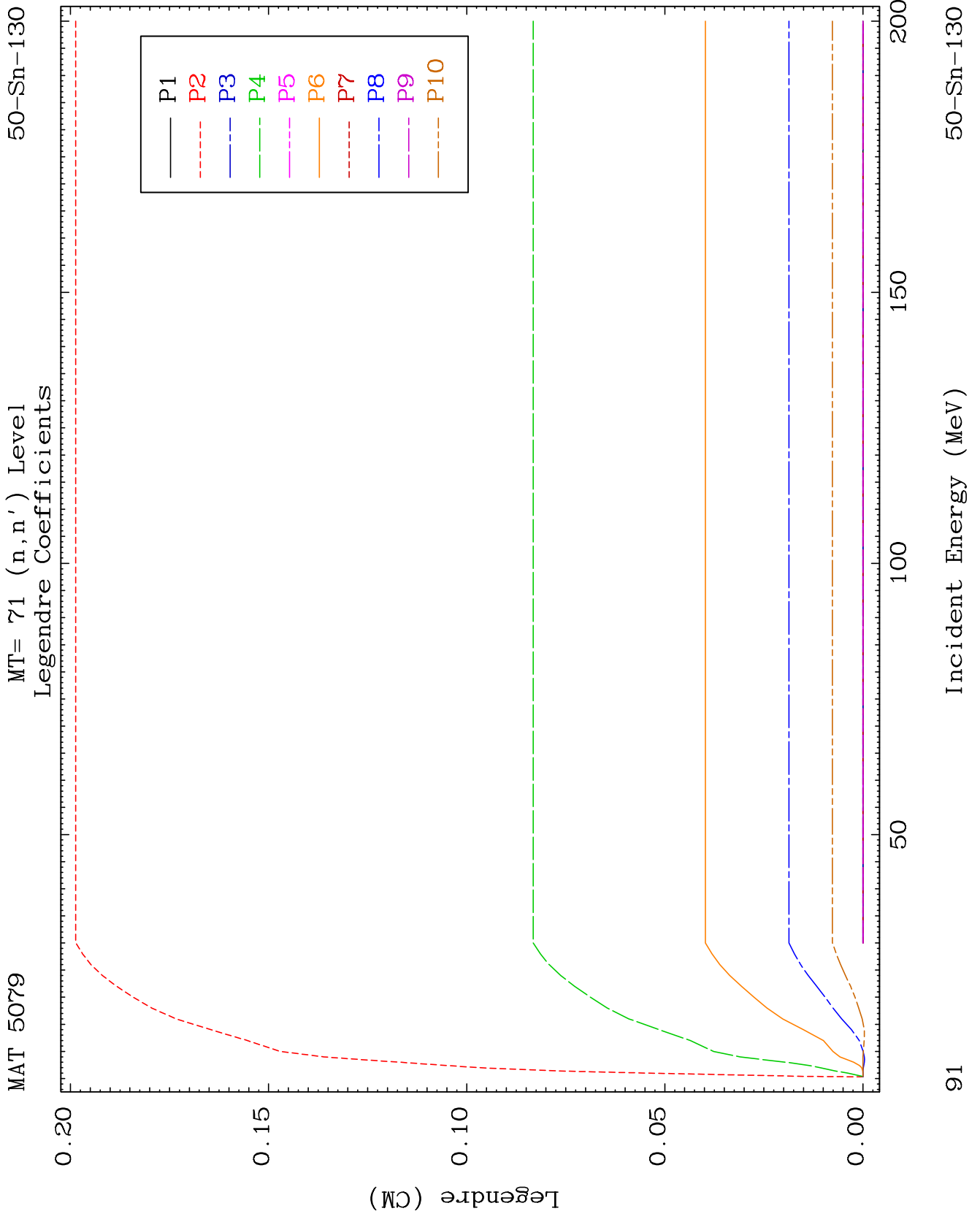
MT= 70 (n,n') Level
Legendre Coefficients

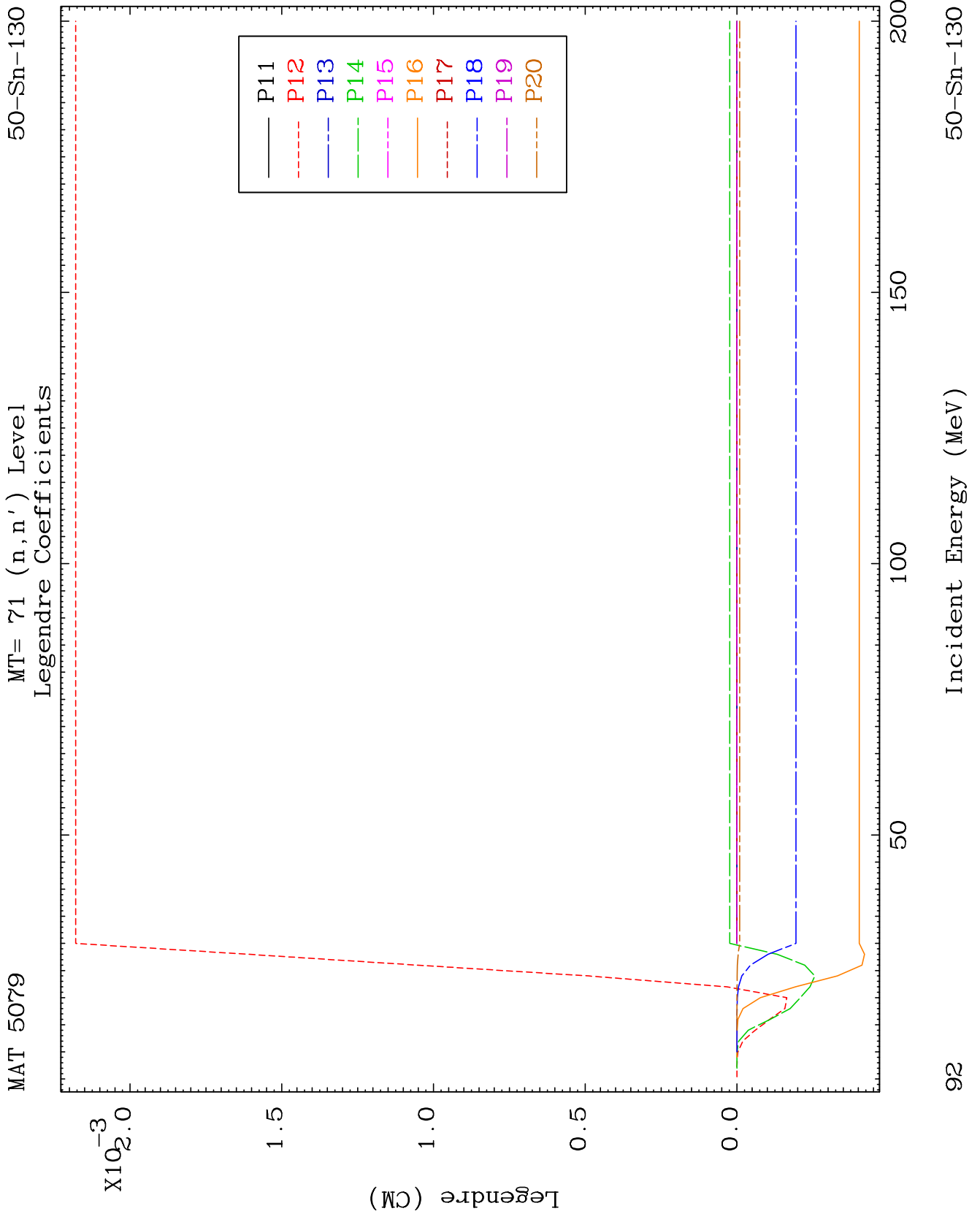
50-Sn-130

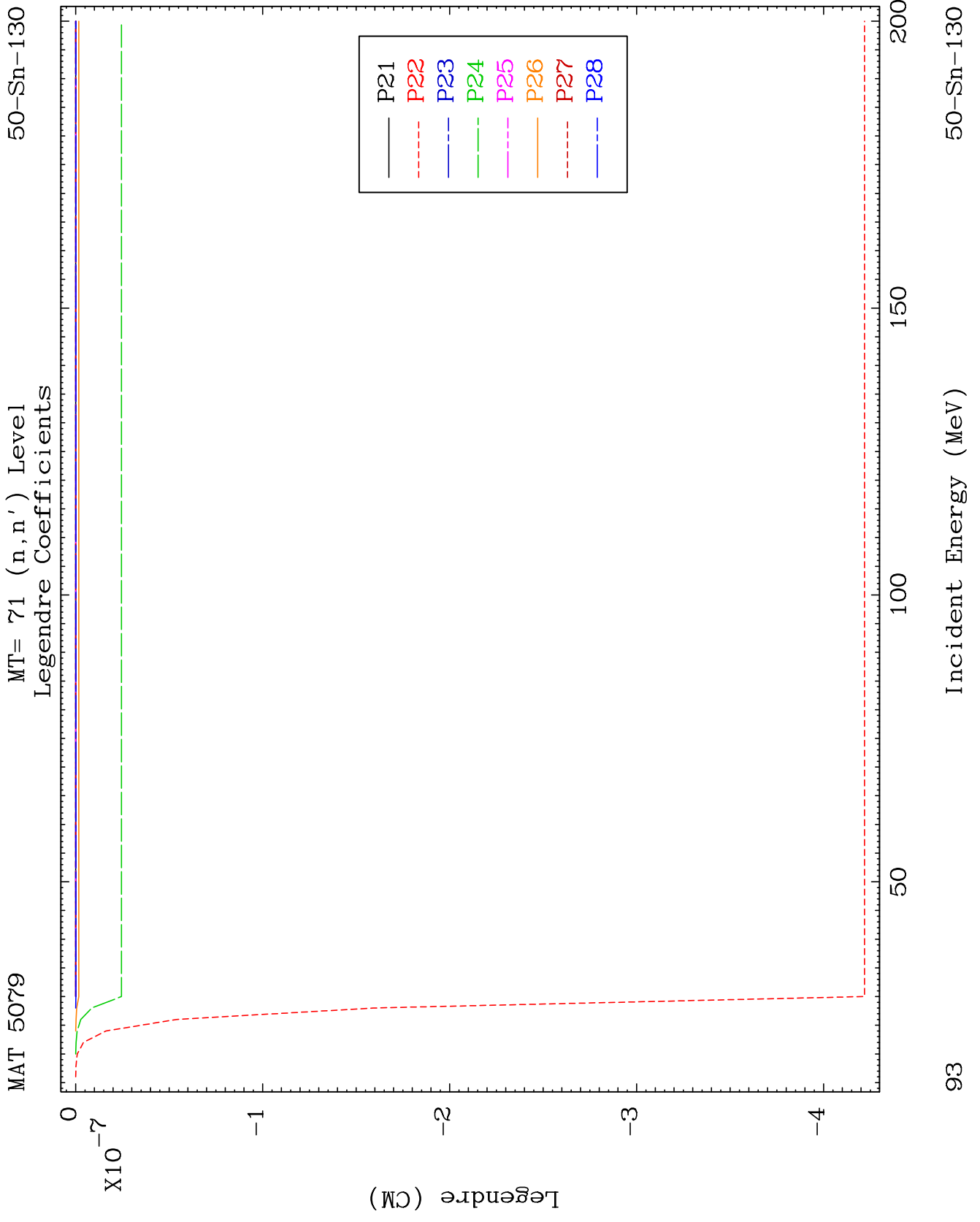








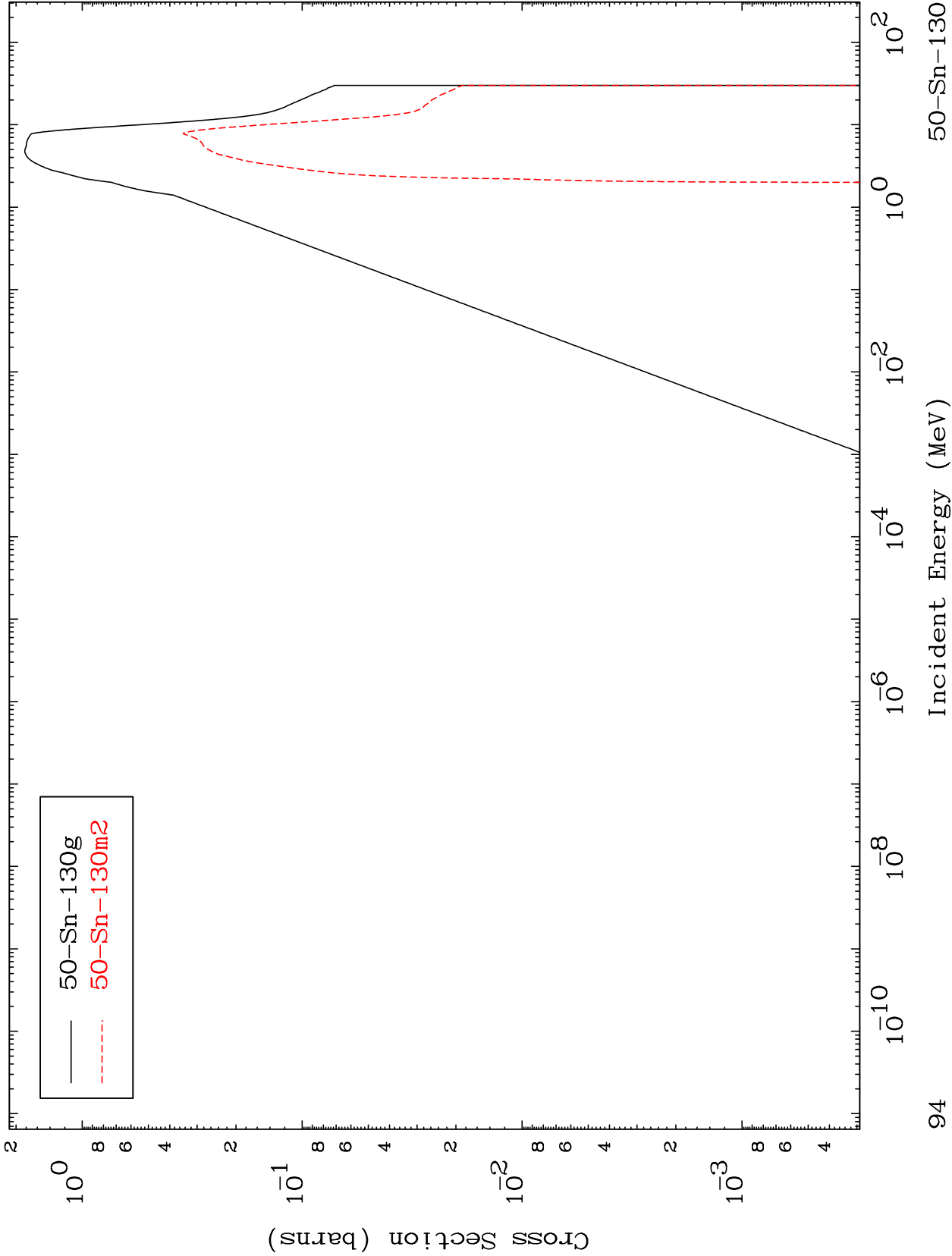




MAT 5079

Inelastic
Radionuclide Production Cross Section

50-Sn-130

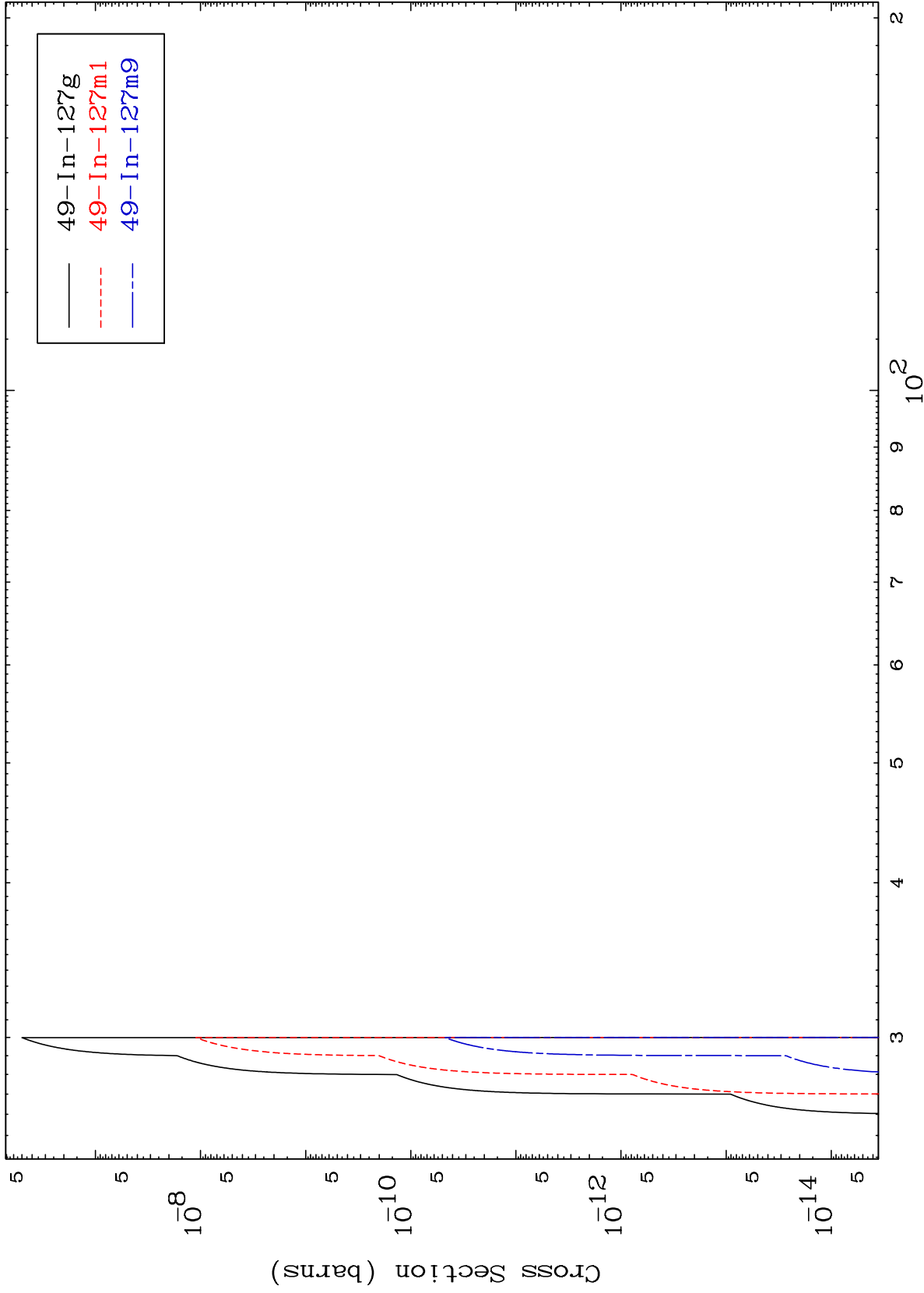


MAT 5079

(n,2n) d

50-Sn-130

Radionuclide Production Cross Section



95

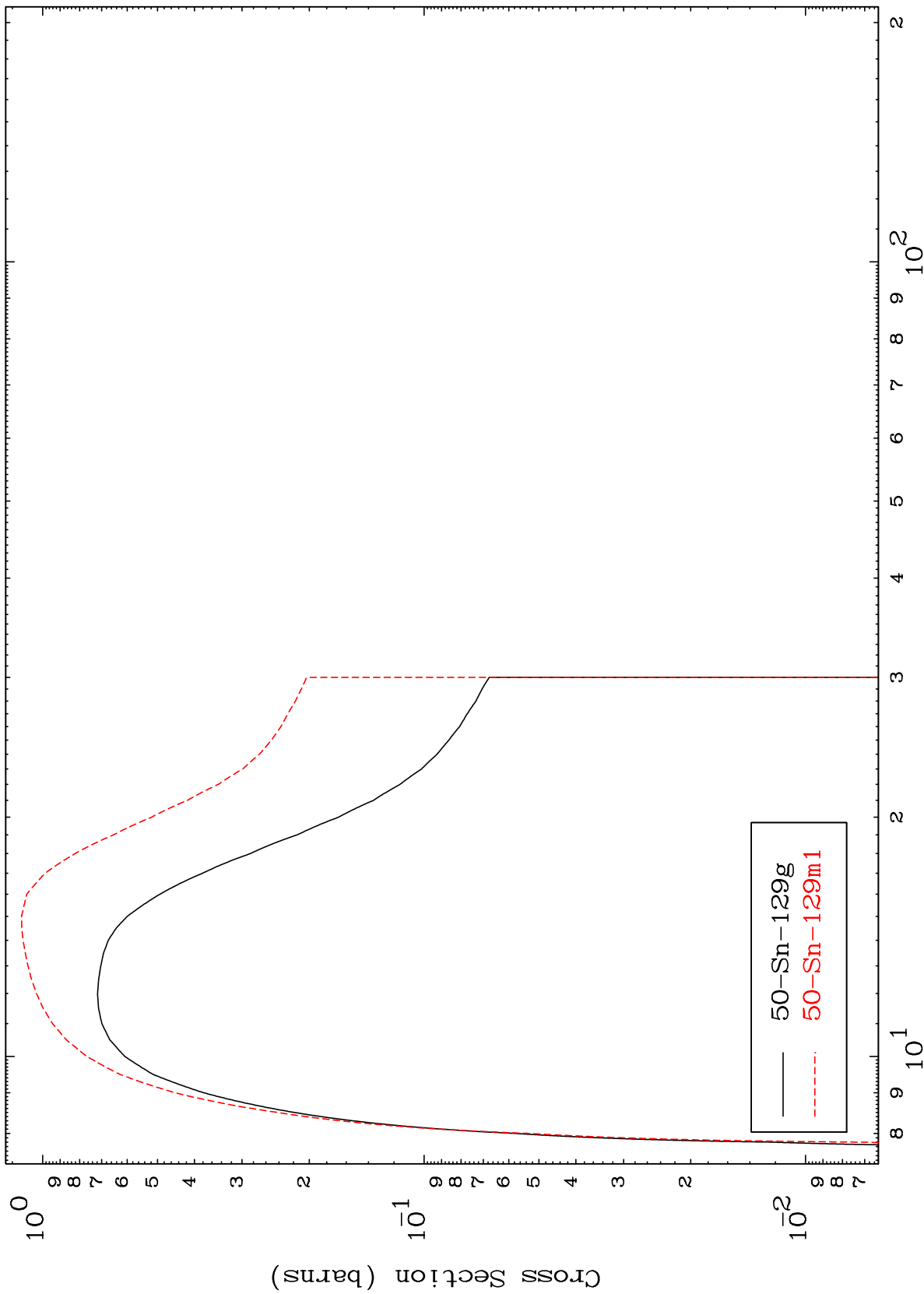
Incident Energy (MeV)

50-Sn-130

MAT 5079

50-Sn-130

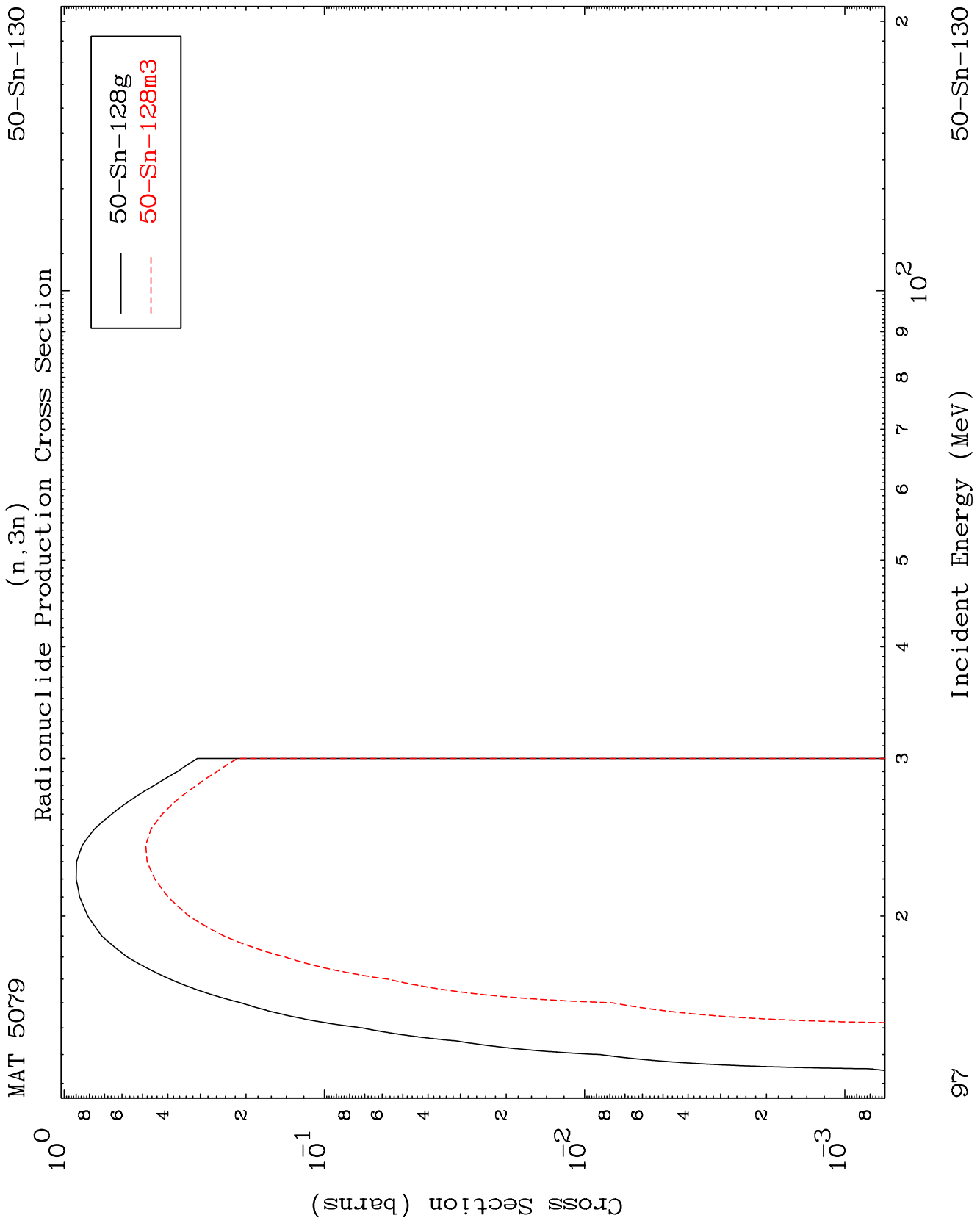
(n,2n)
Radionuclide Production Cross Section



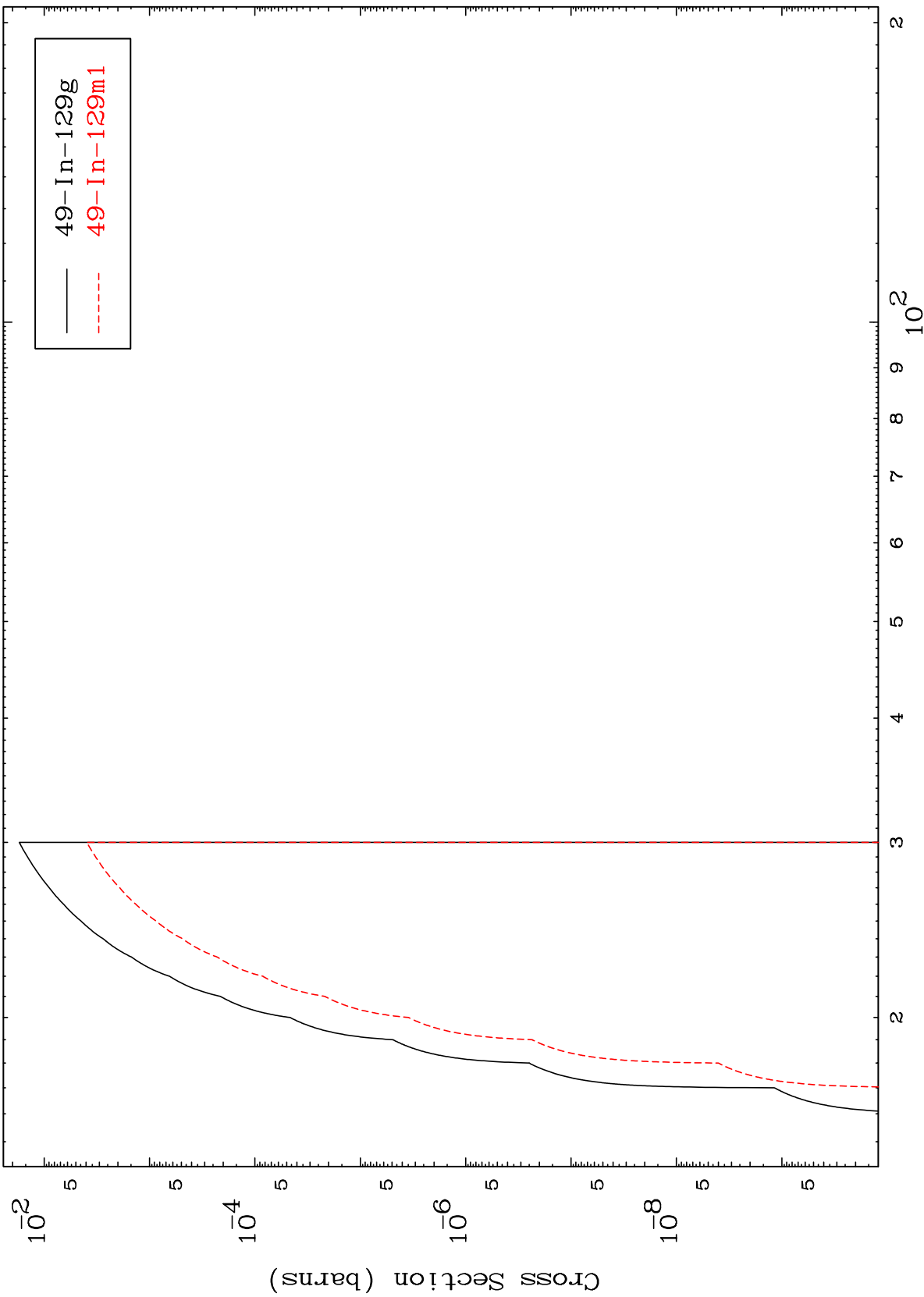
96

Incident Energy (MeV)

50-Sn-130



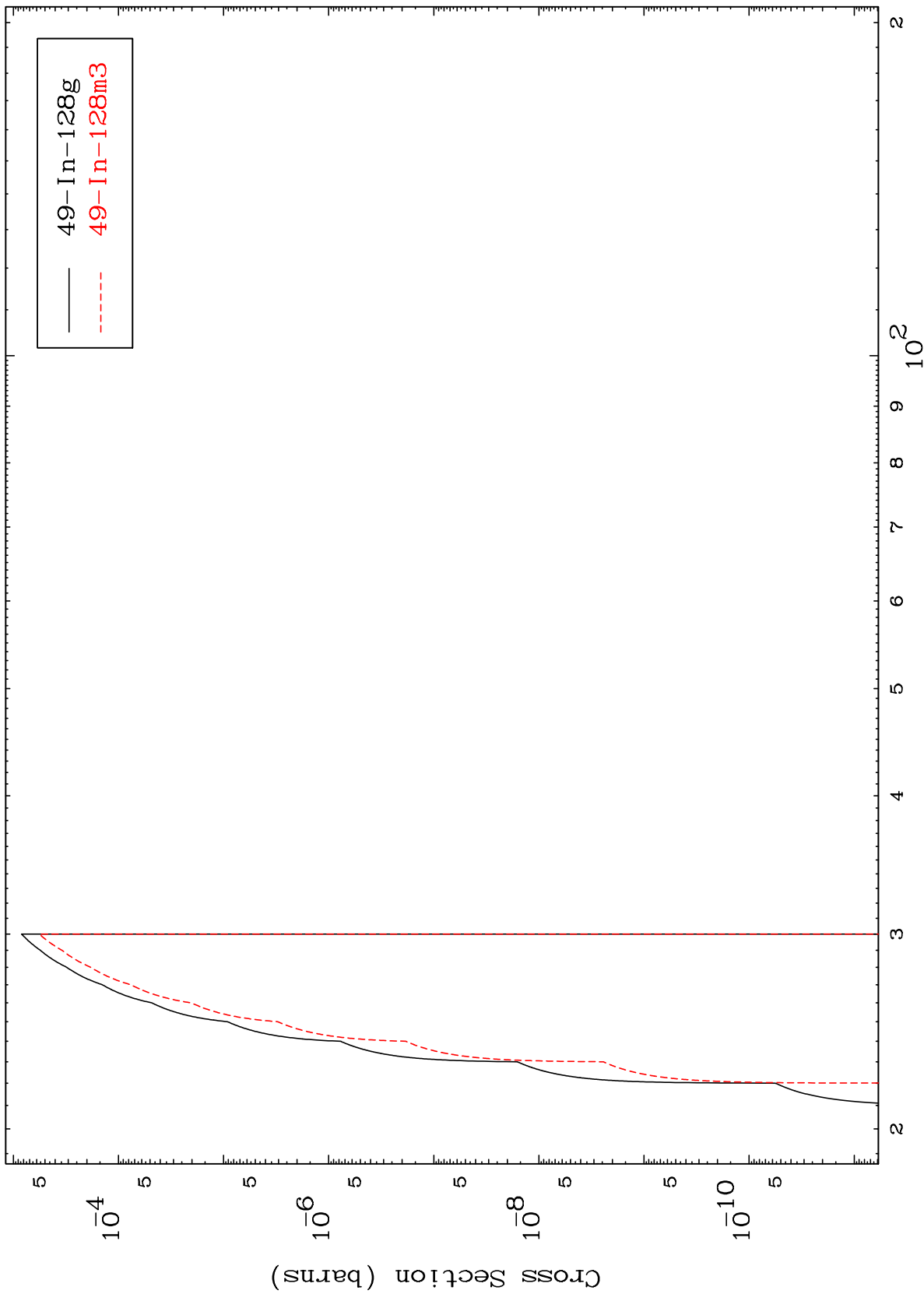
Radionuclide Production Cross Section



MAT 5079

50-Sn-130

(n, n') d
Radionuclide Production Cross Section



99

50-Sn-130

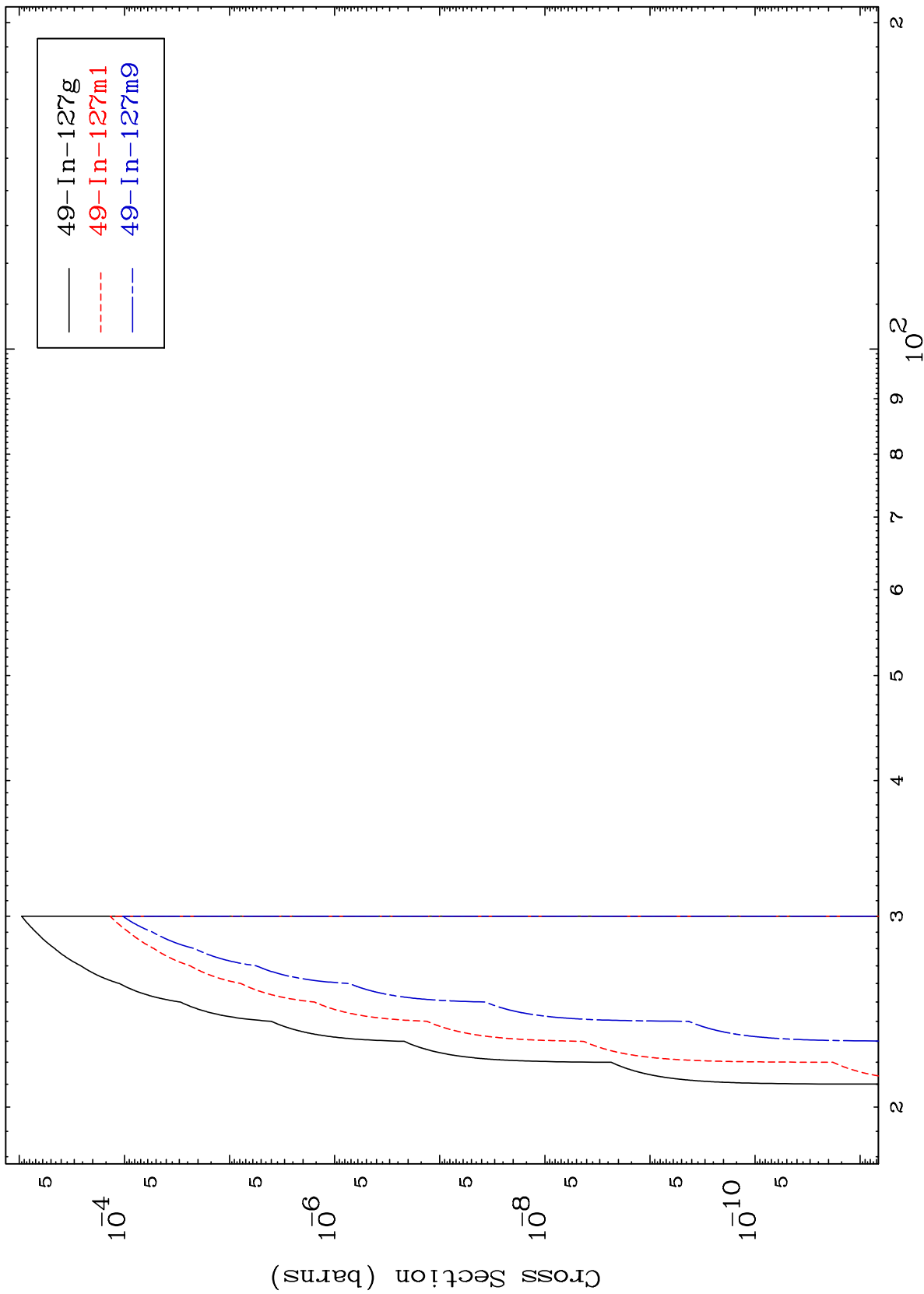
Incident Energy (MeV)

MAT 5079

(n,n') t

50-Sn-130

Radionuclide Production Cross Section



100

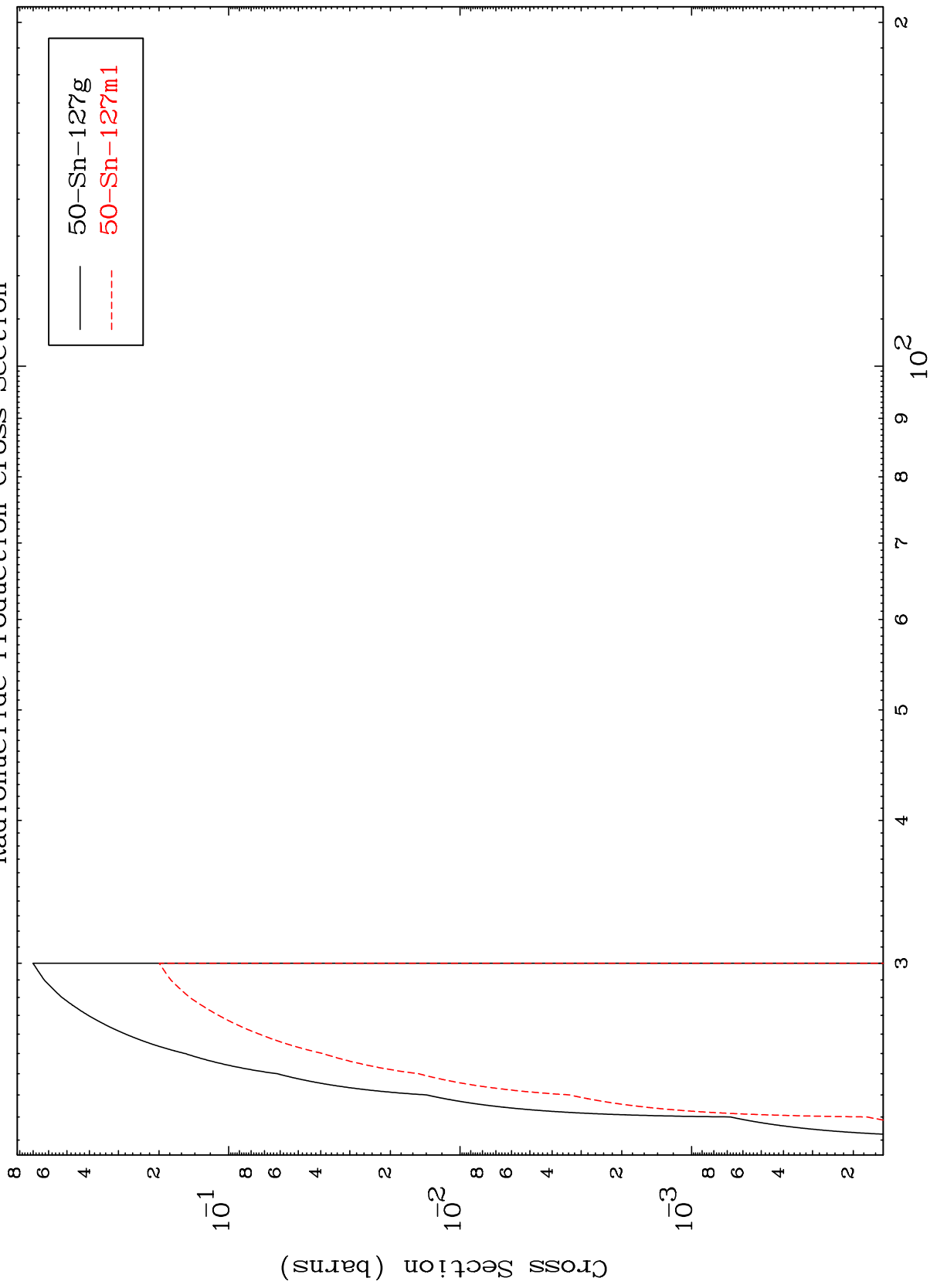
Incident Energy (MeV)

50-Sn-130

MAT 5079

50-Sn-130

(n,4n)
Radionuclide Production Cross Section



101

Incident Energy (MeV)

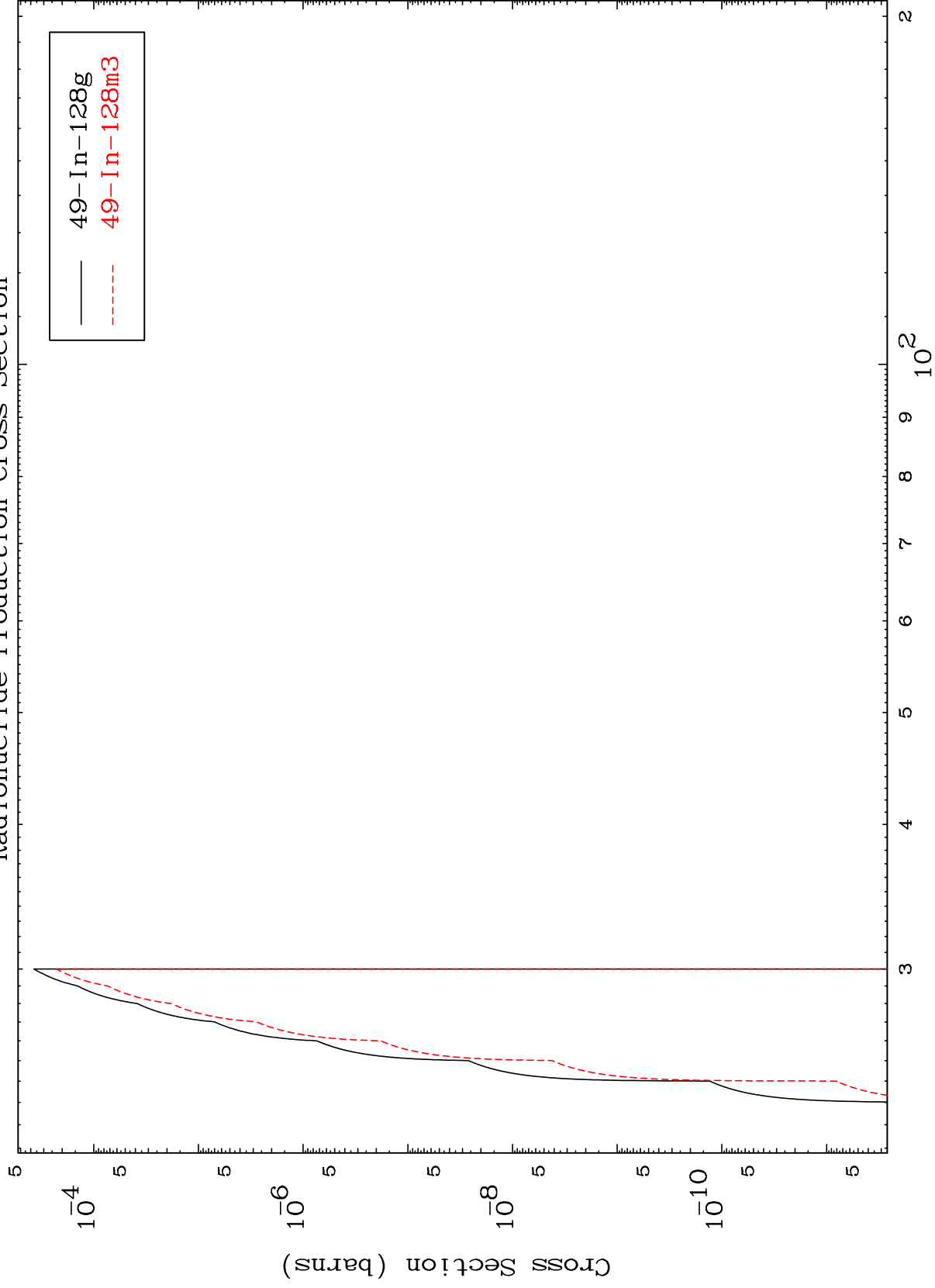
50-Sn-130

MAT 5079

(n,2n) p

50-Sn-130

Radionuclide Production Cross Section



102

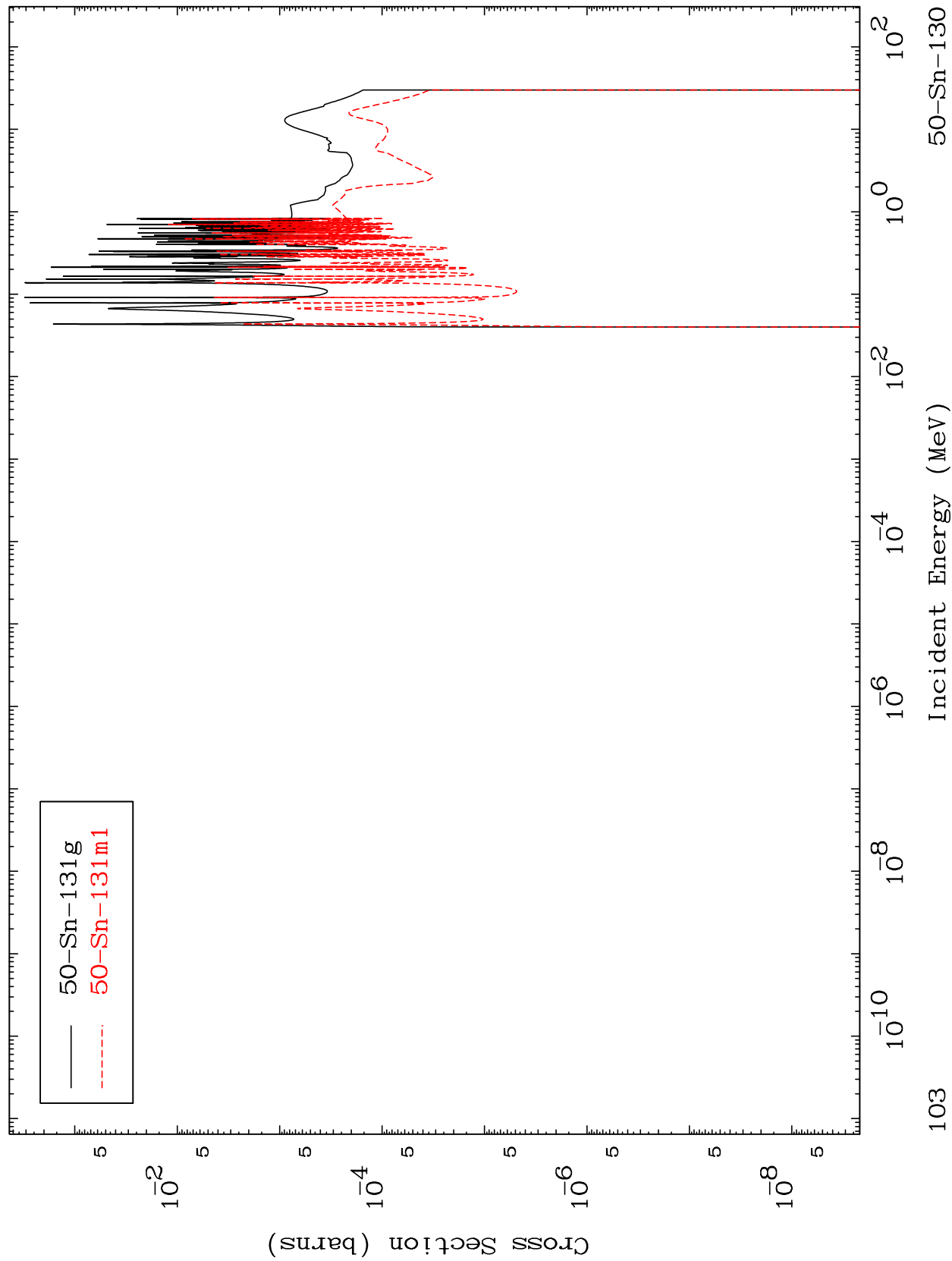
Incident Energy (MeV)

50-Sn-130

MAT 5079

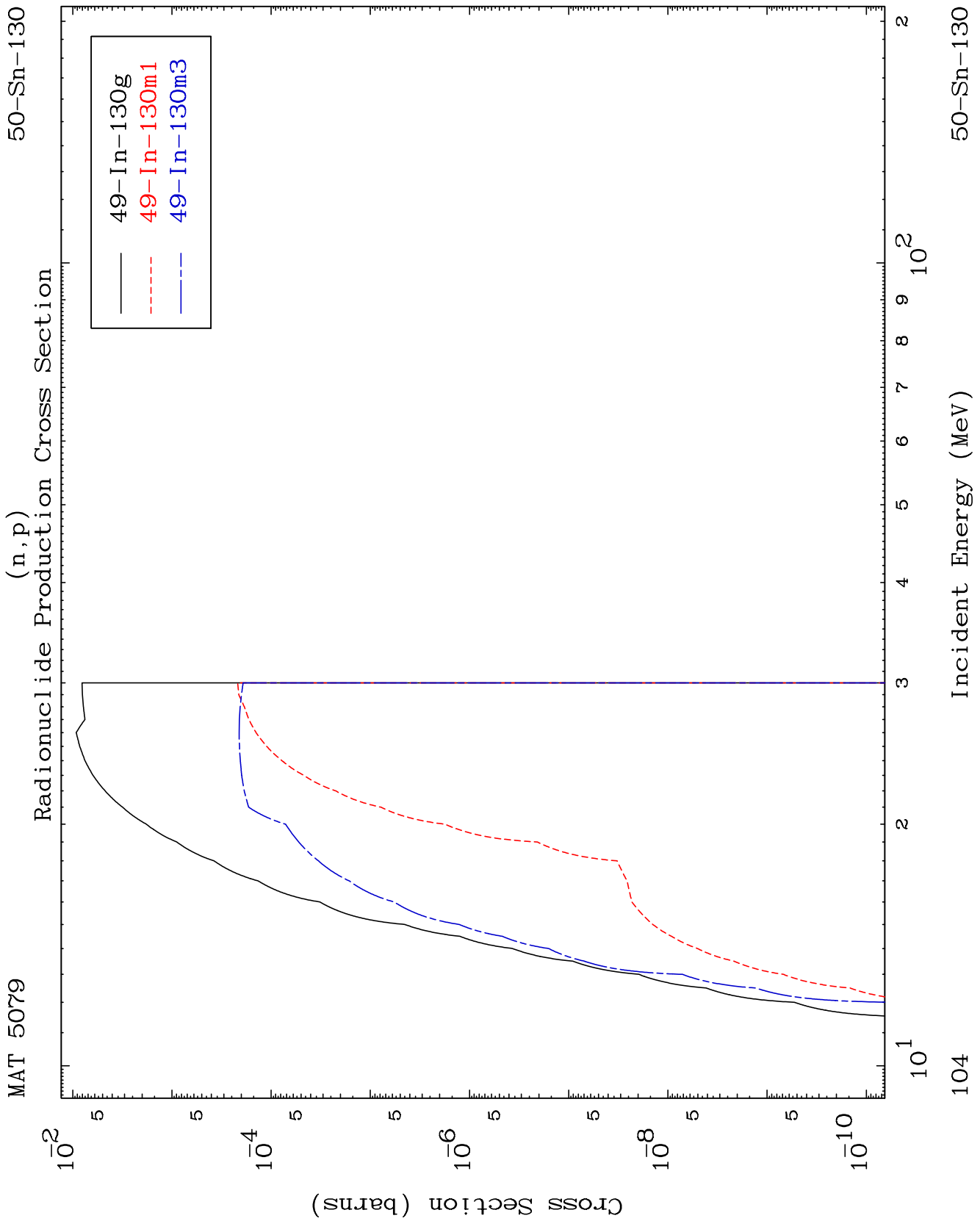
50-Sn-130

(n, γ)
Radionuclide Production Cross Section



103

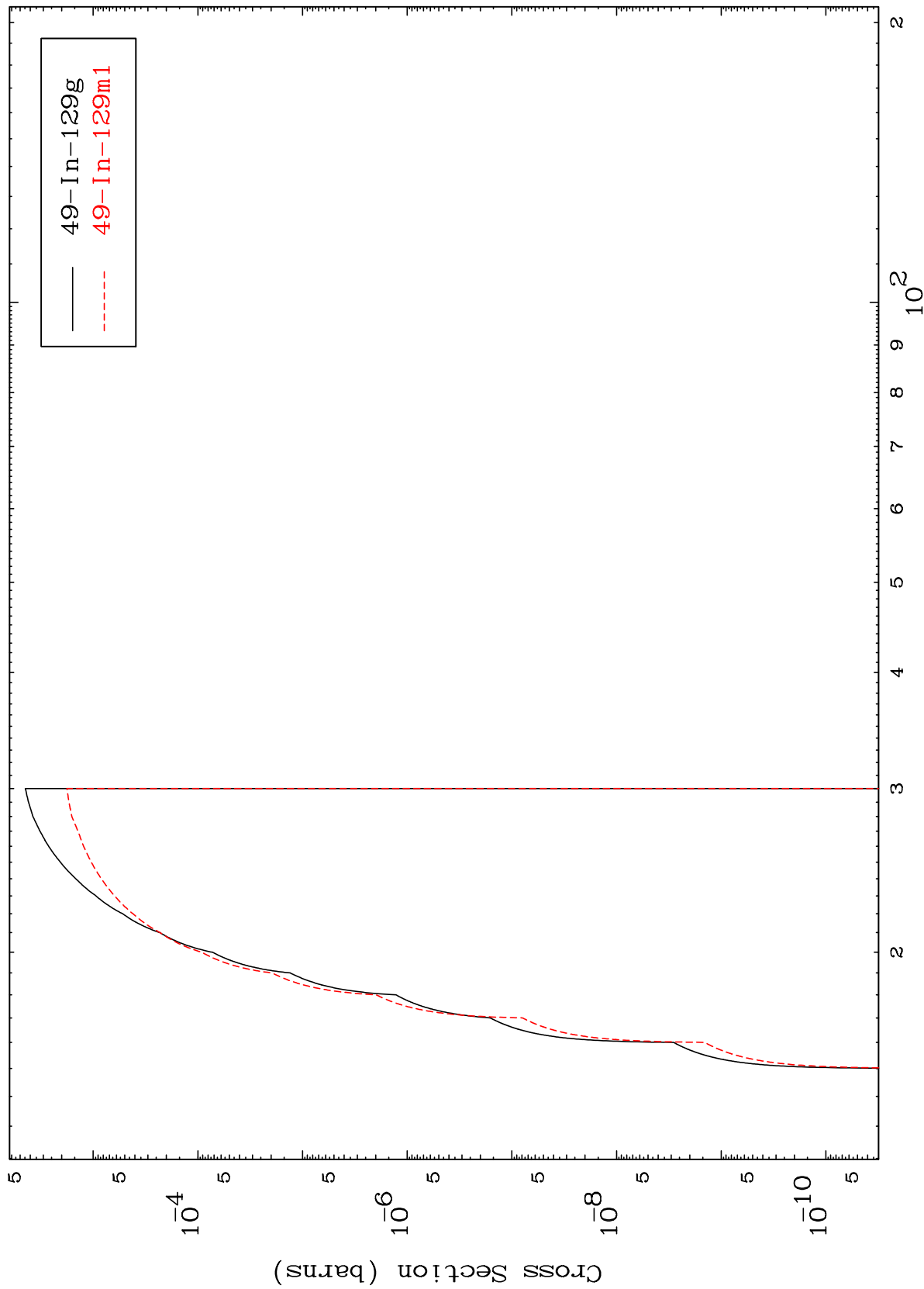
50-Sn-130



MAT 5079

50-Sn-130

(n,d)
Radionuclide Production Cross Section



50-Sn-130

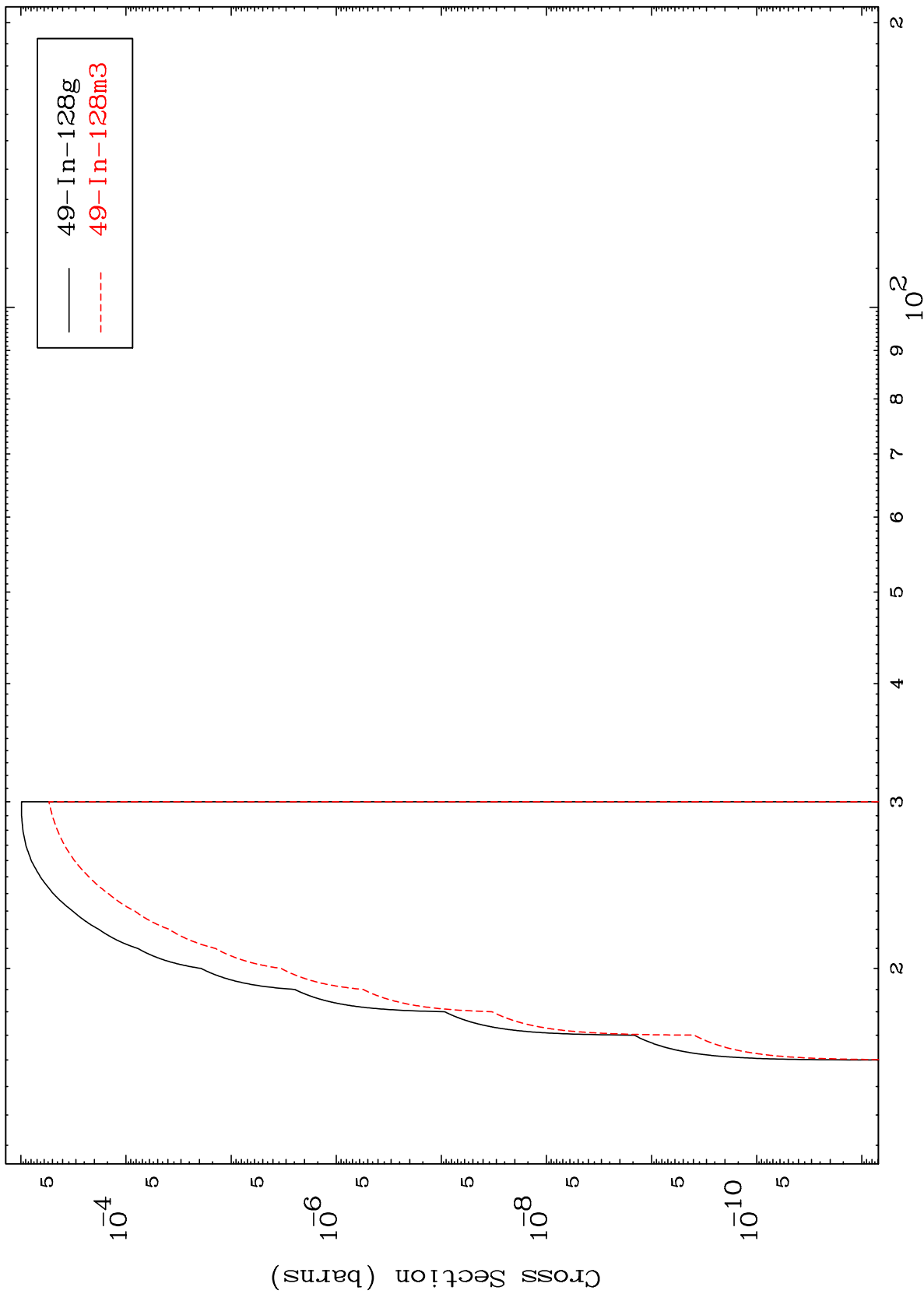
Incident Energy (MeV)

105

MAT 5079

50-Sn-130

(n,t)
Radionuclide Production Cross Section



49-In-128g
49-In-128m3

106

Incident Energy (MeV)

50-Sn-130