

Program EVALPLOT
(Version 2021-1)

by

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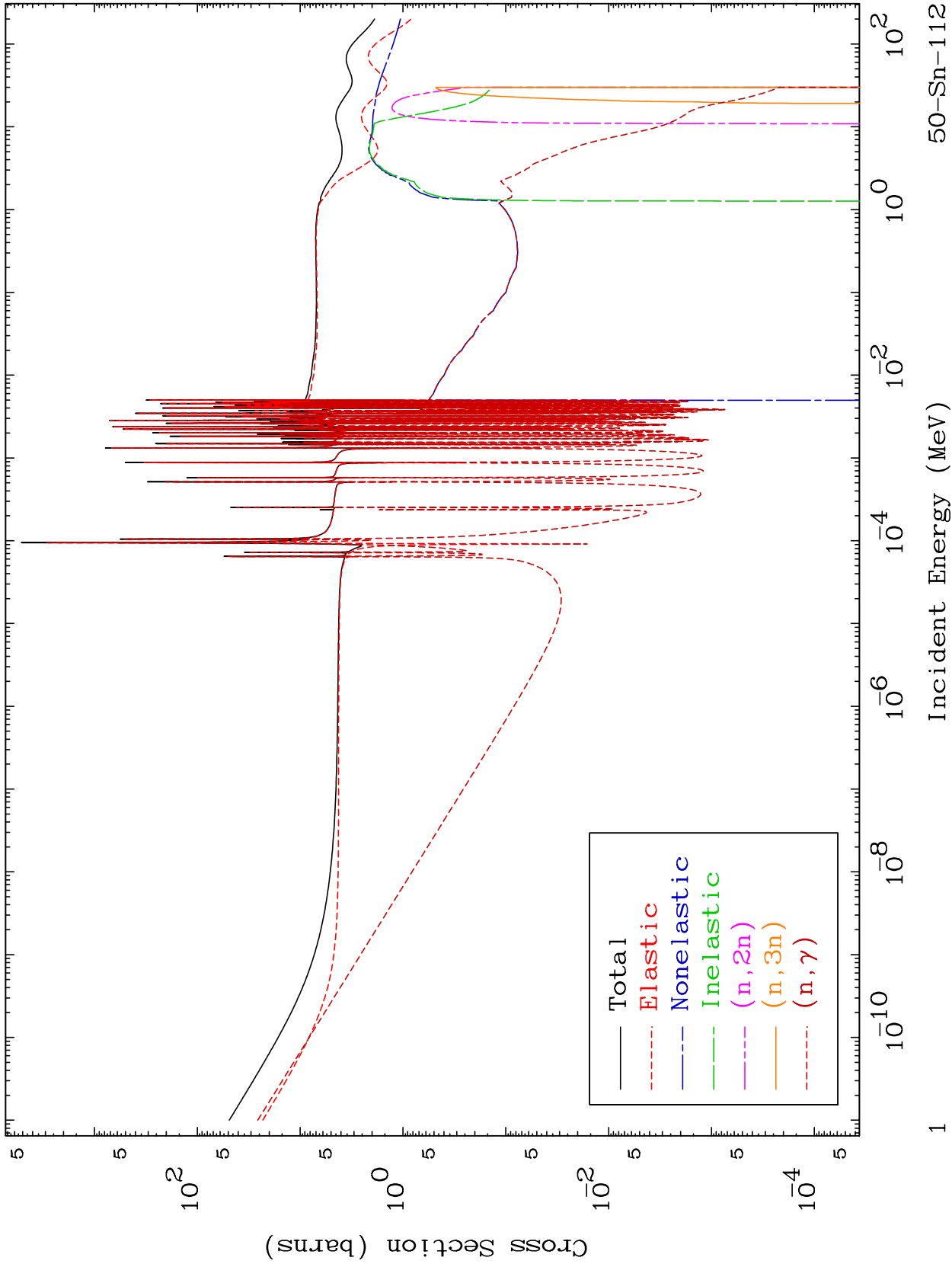
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Press Mouse Button to Start

MAT 5025

Neutron Major
293 Kelvin Cross Sections

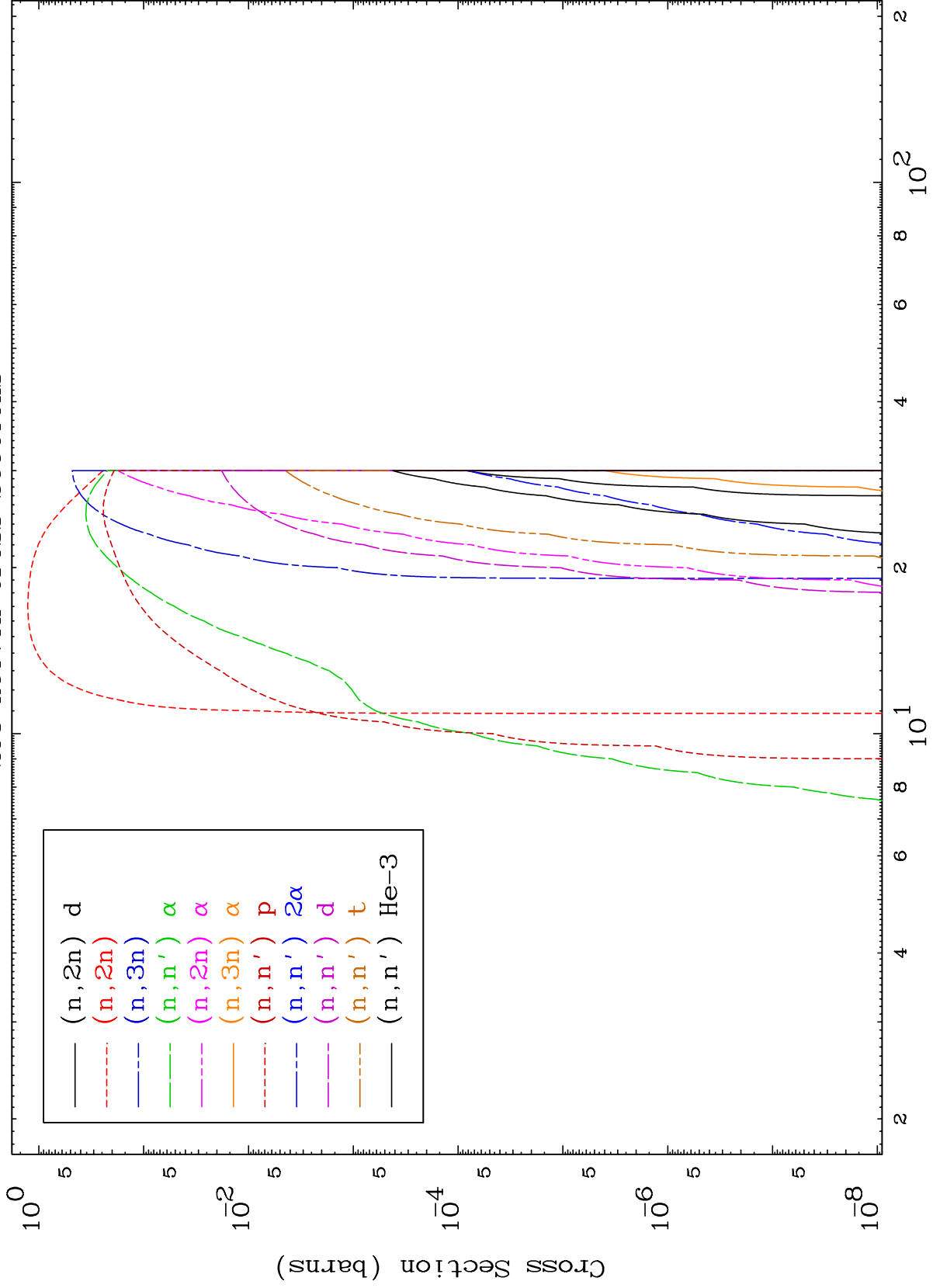
50-Sn-112



MAT 5025

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-112



2

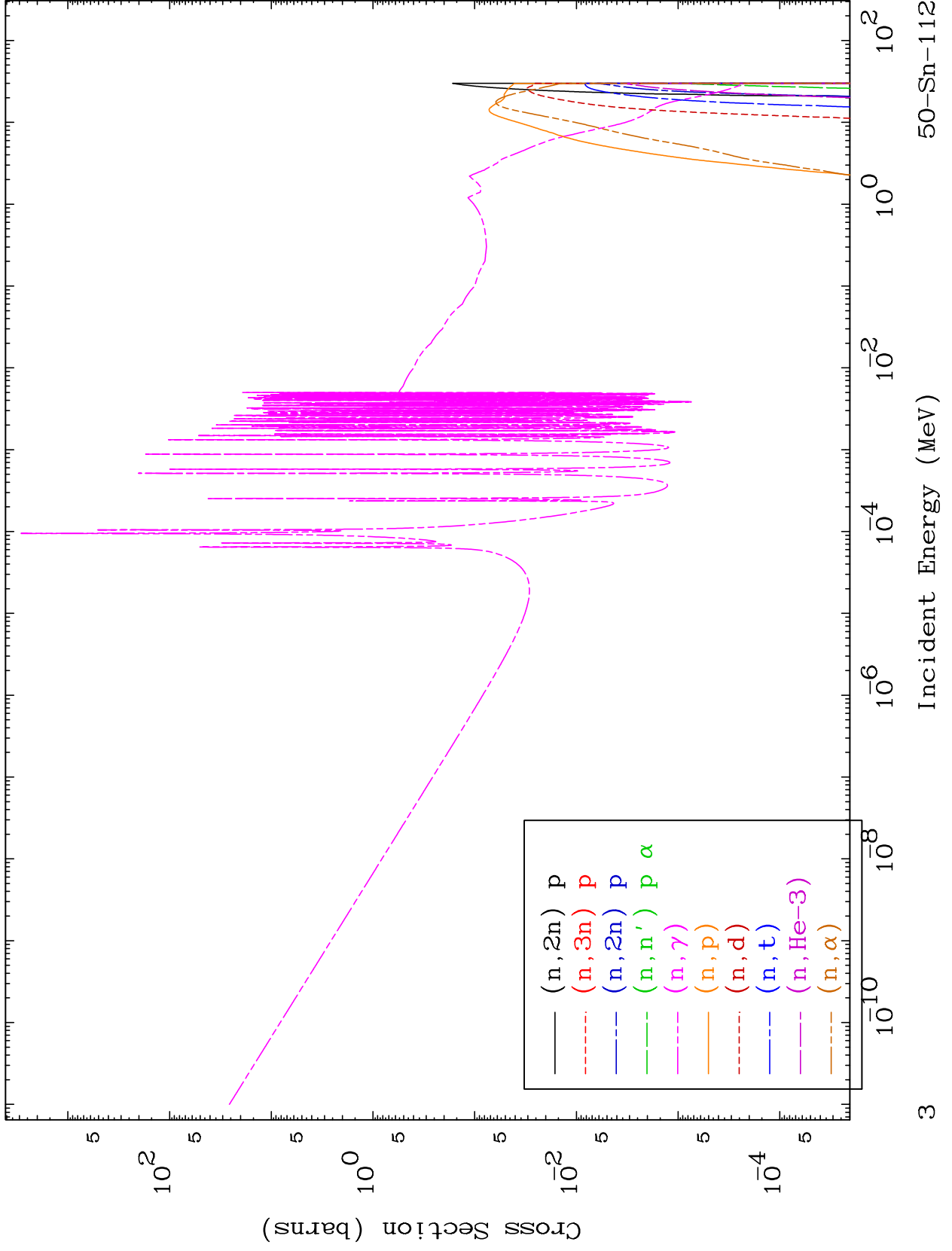
Incident Energy (MeV)

50-Sn-112

MAT 5025

Neutron Absorption
293 Kelvin Cross Sections

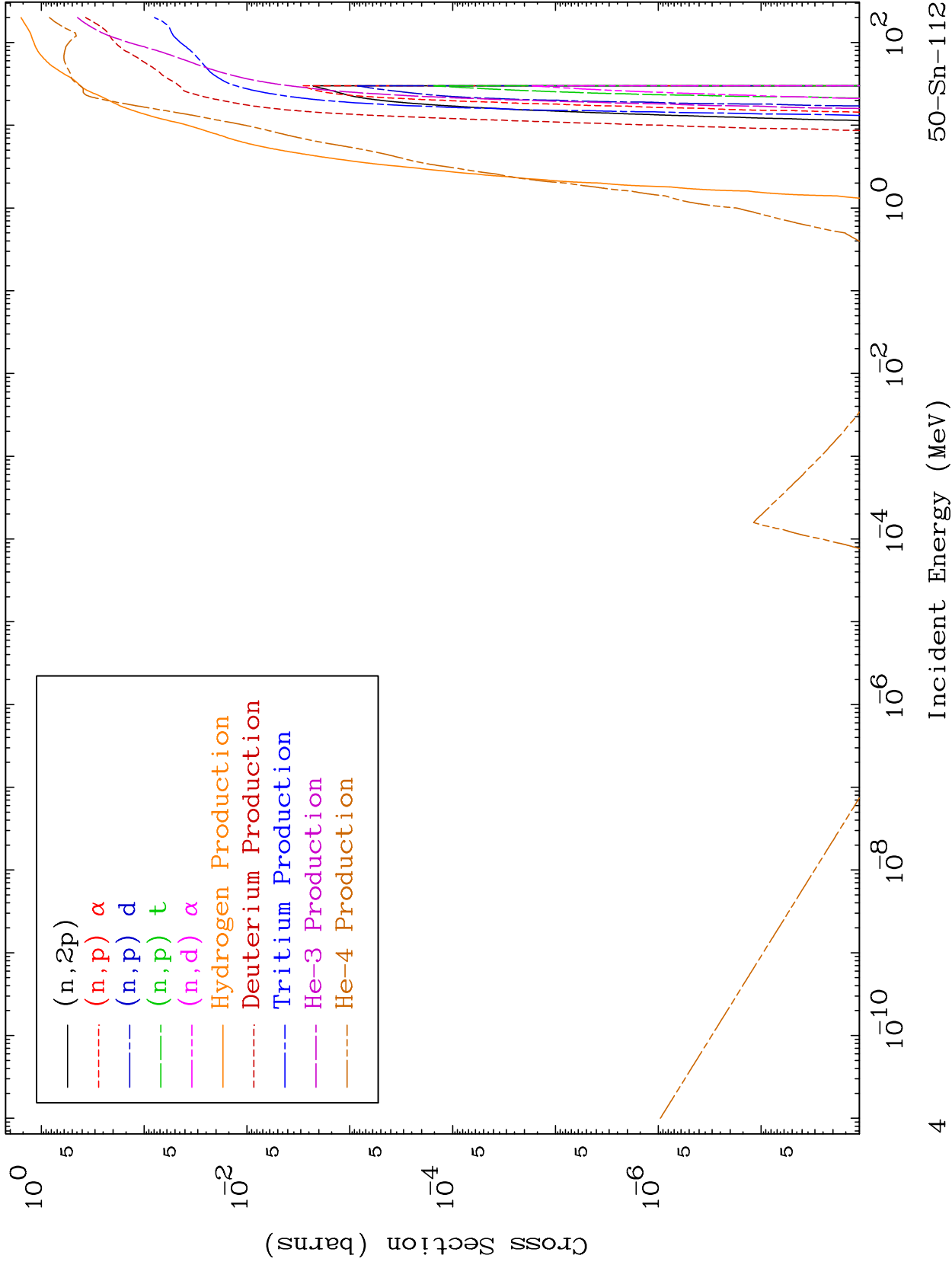
50-Sn-112



MAT 5025

Neutron Absorption
293 Kelvin Cross Sections

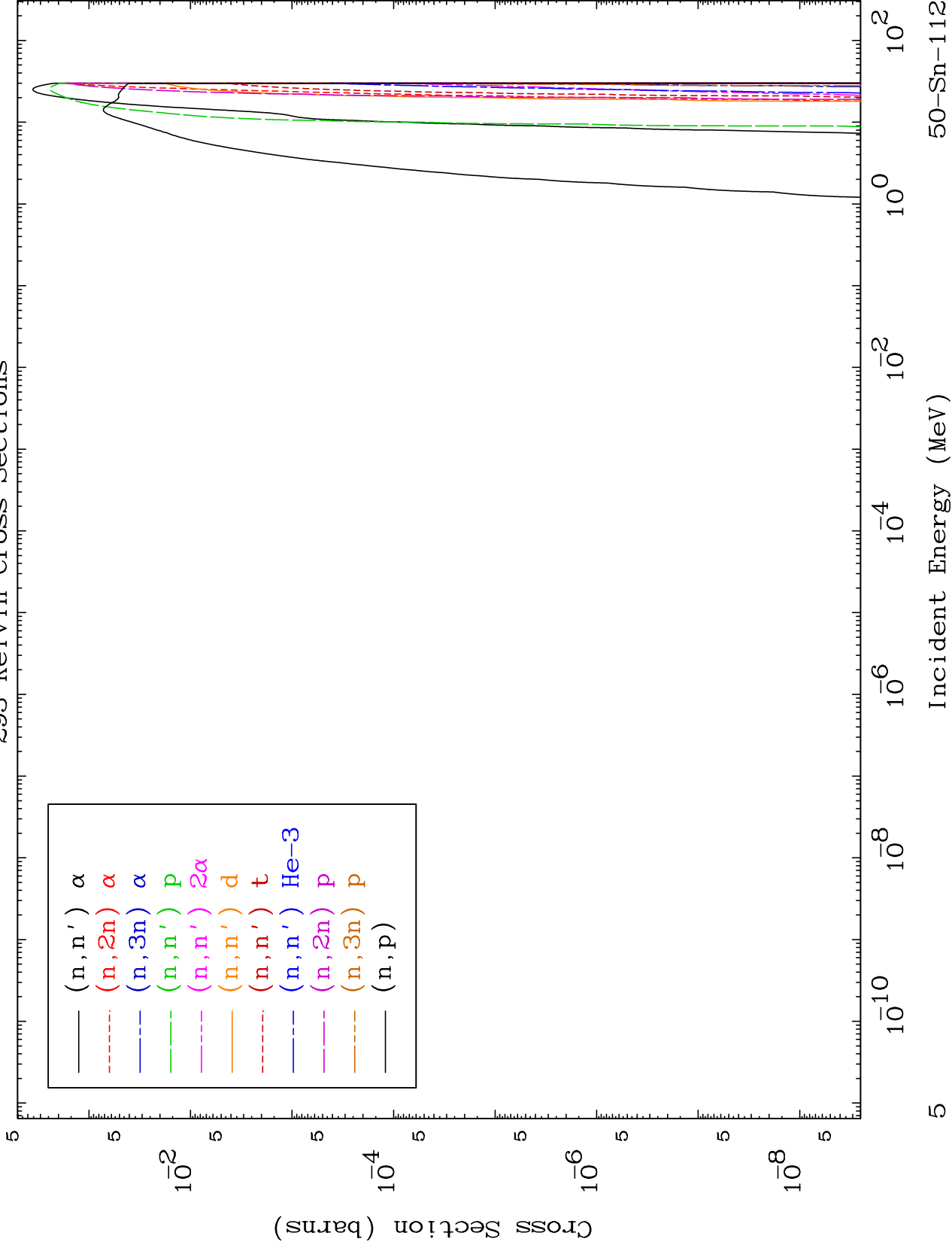
50-Sn-112



MAT 5025

Charged Particle
293 Kelvin Cross Sections

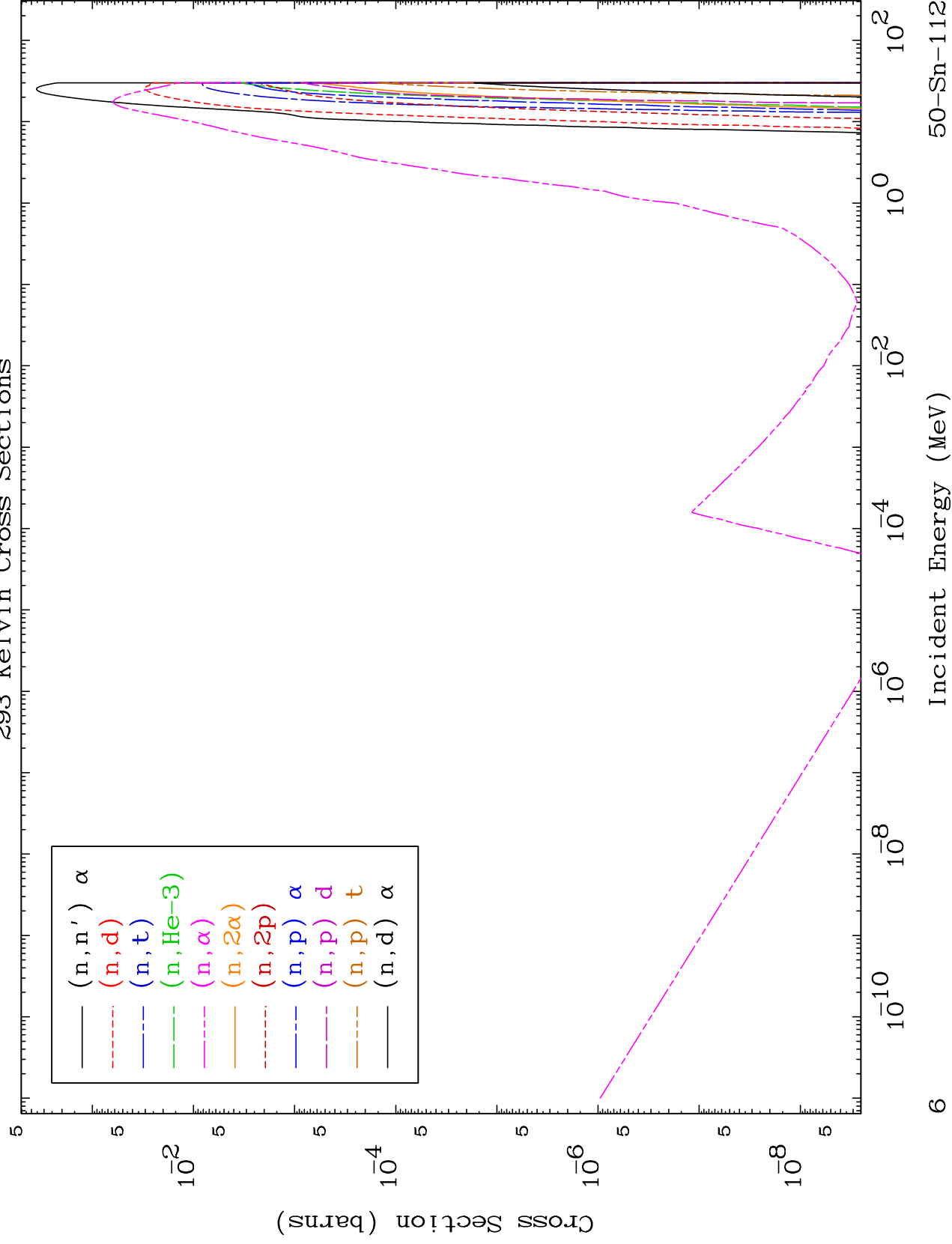
50-Sn-112



MAT 5025

Charged Particle
293 Kelvin Cross Sections

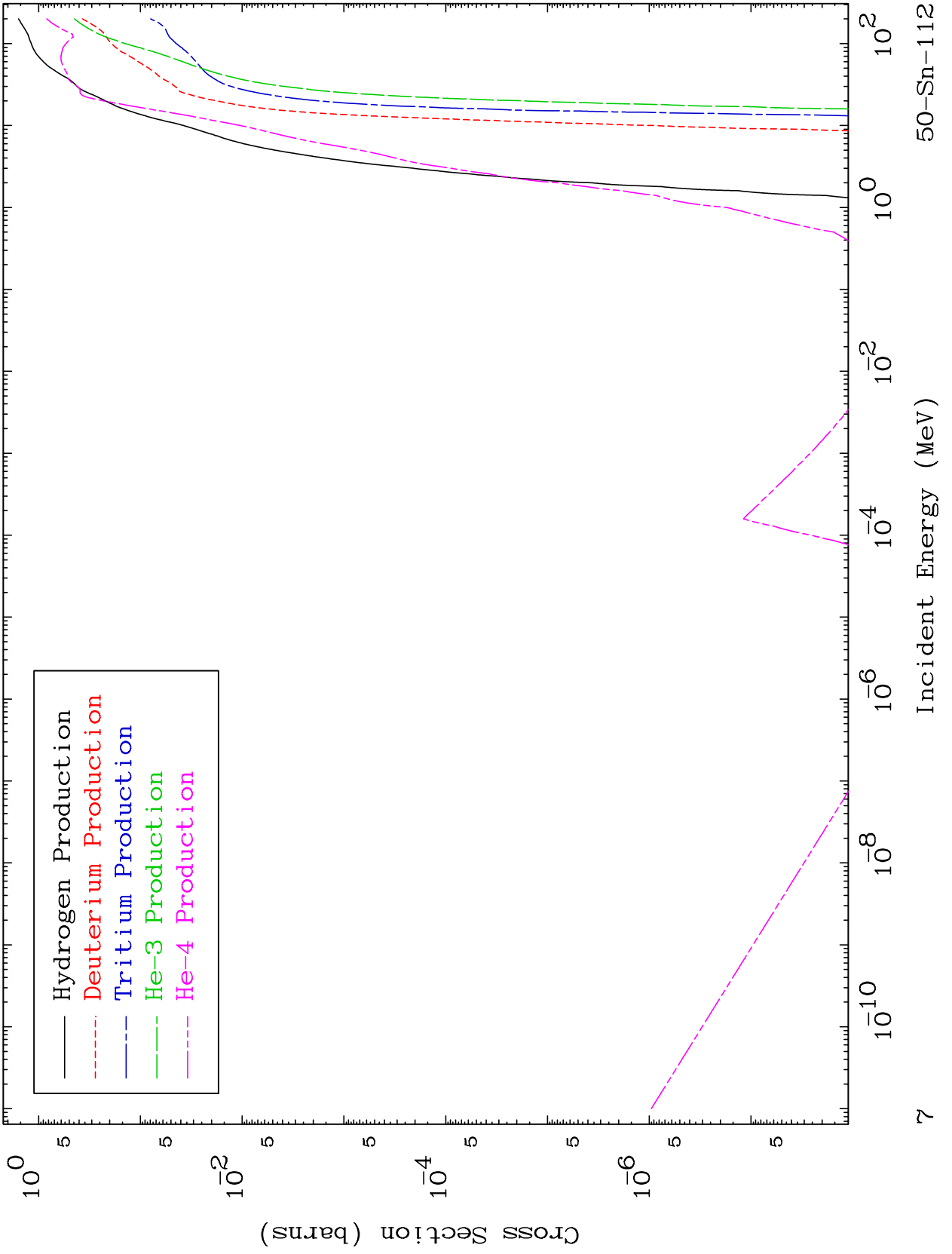
50-Sn-112



MAT 5025

Particle Production
293 Kelvin Cross Sections

50-Sn-112

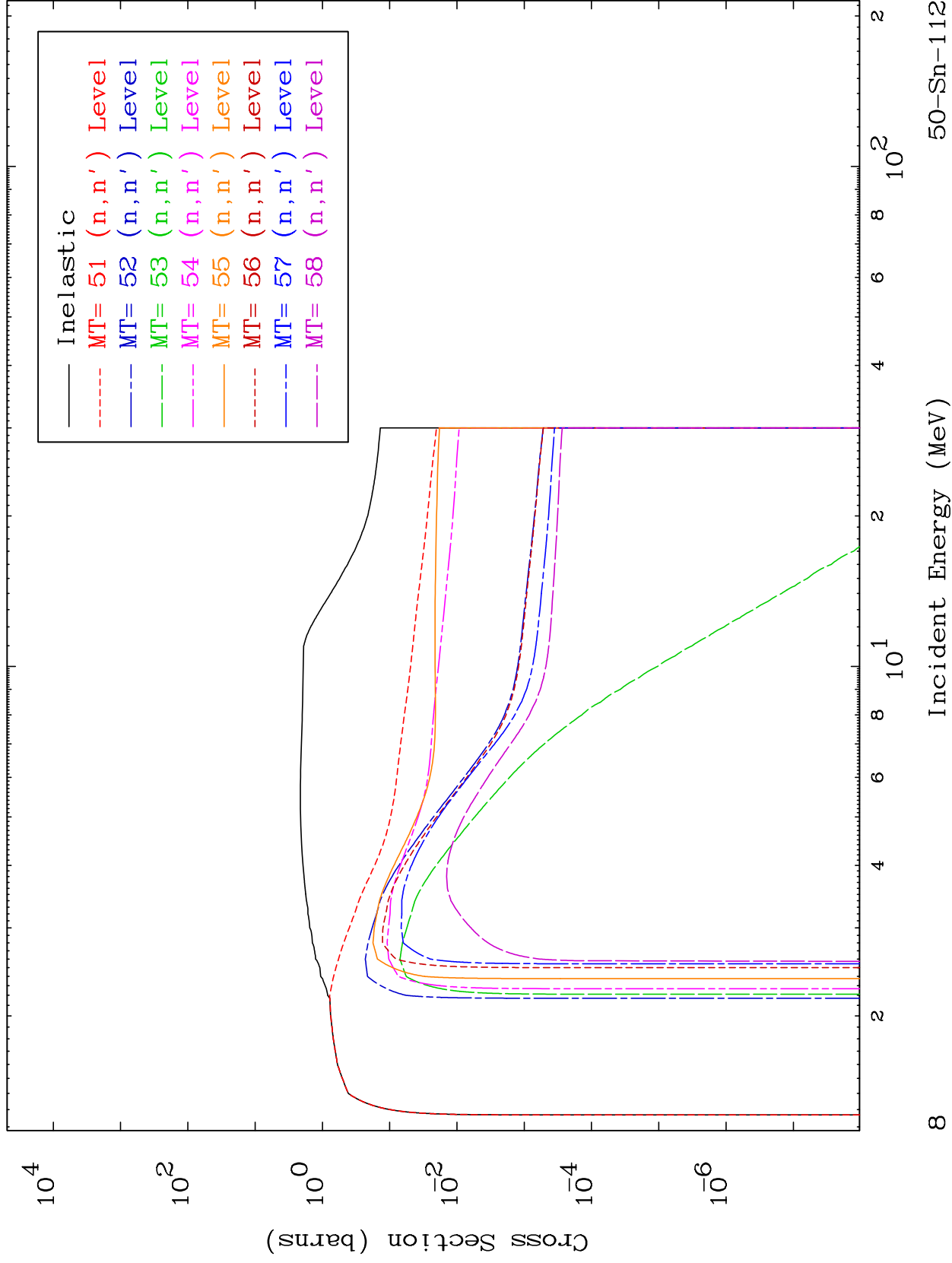


MAT 5025

(n,n') Levels

293 Kelvin Cross Sections

50-Sn-112



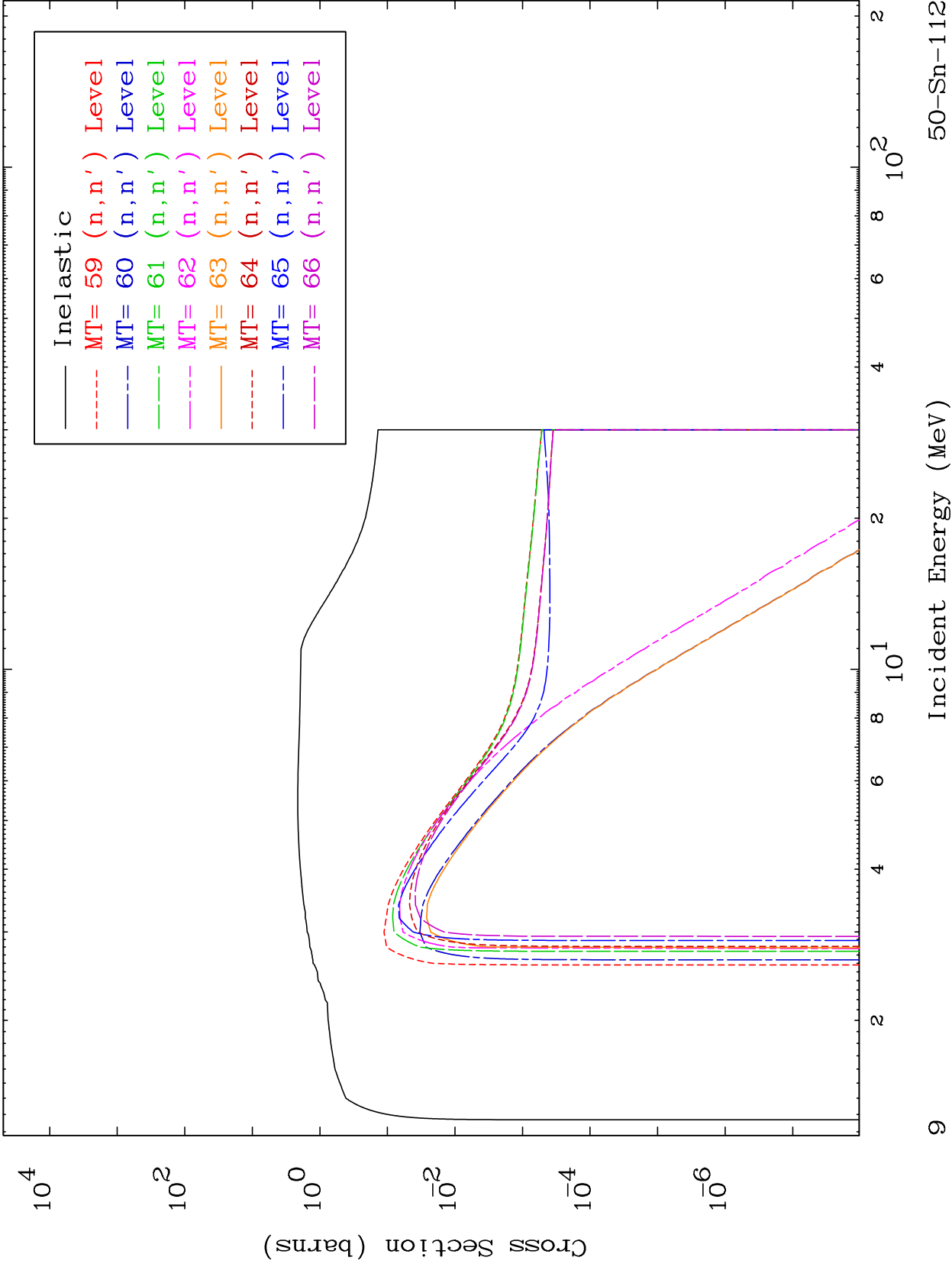
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MAT 5025

(n,n') Levels

50-Sn-112

293 Kelvin Cross Sections

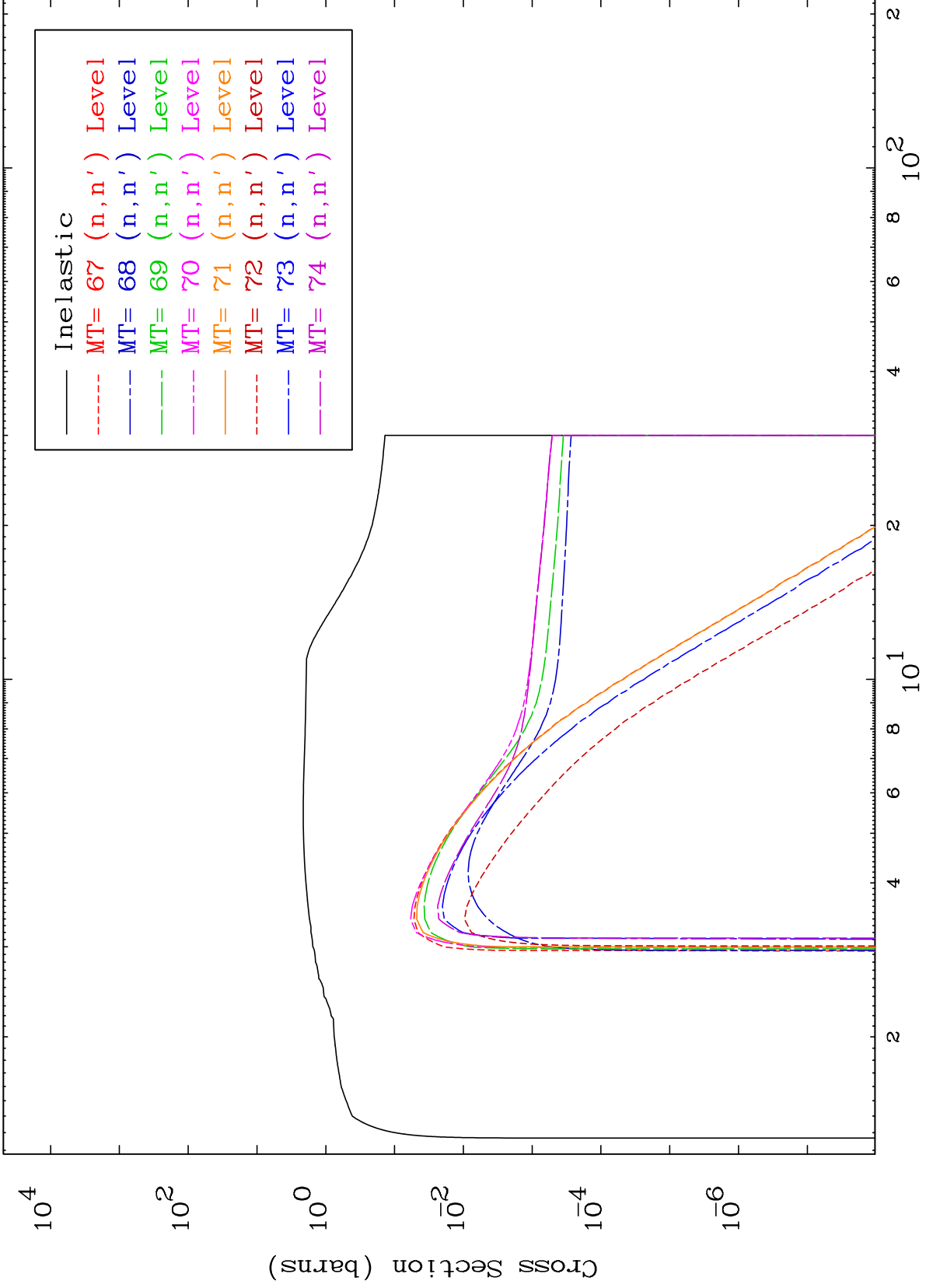


MAT 5025

(n,n') Levels

50-Sn-112

293 Kelvin Cross Sections



10

Incident Energy (MeV)

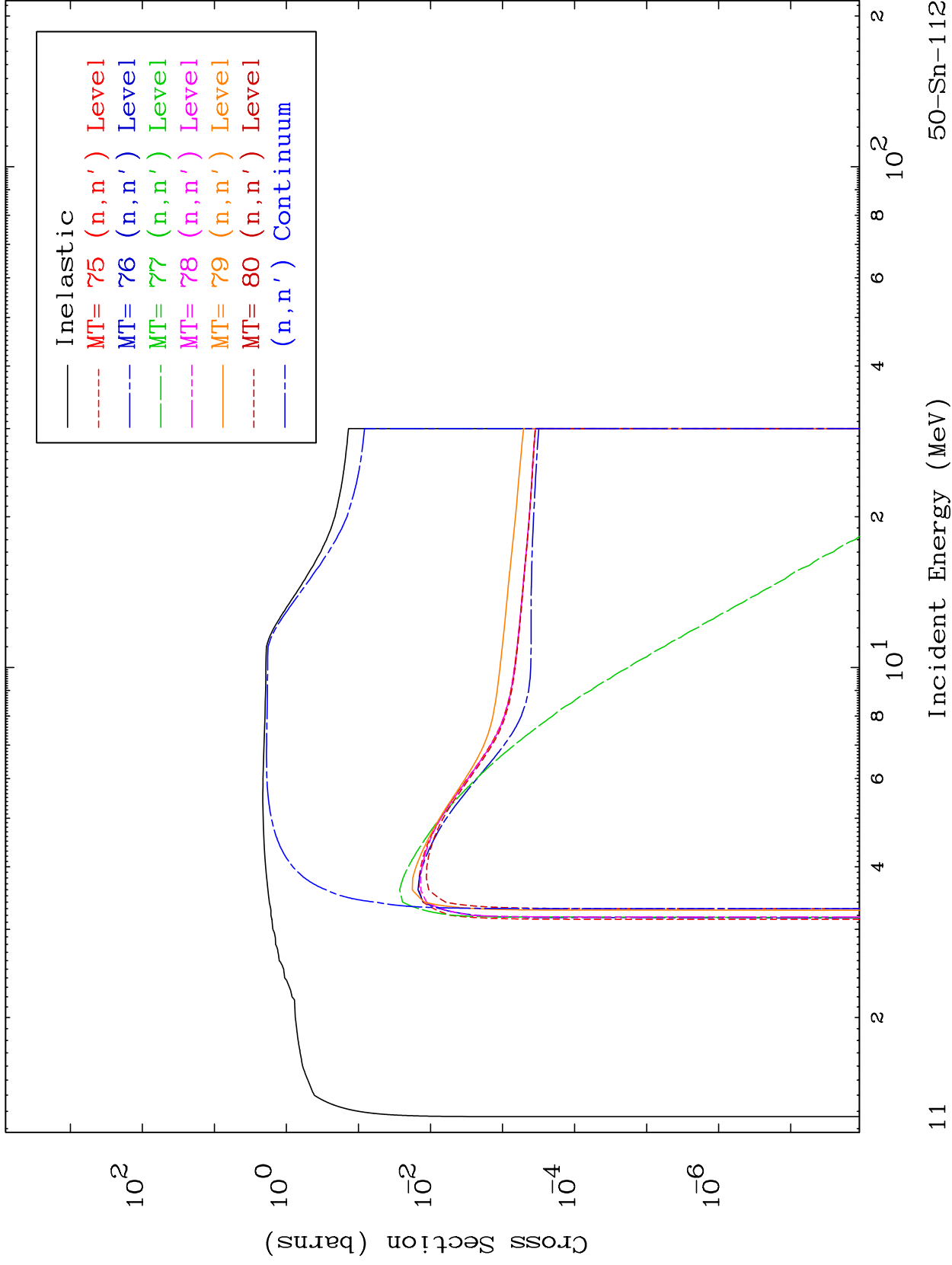
50-Sn-112

MAT 5025

(n,n') Levels

50-Sn-112

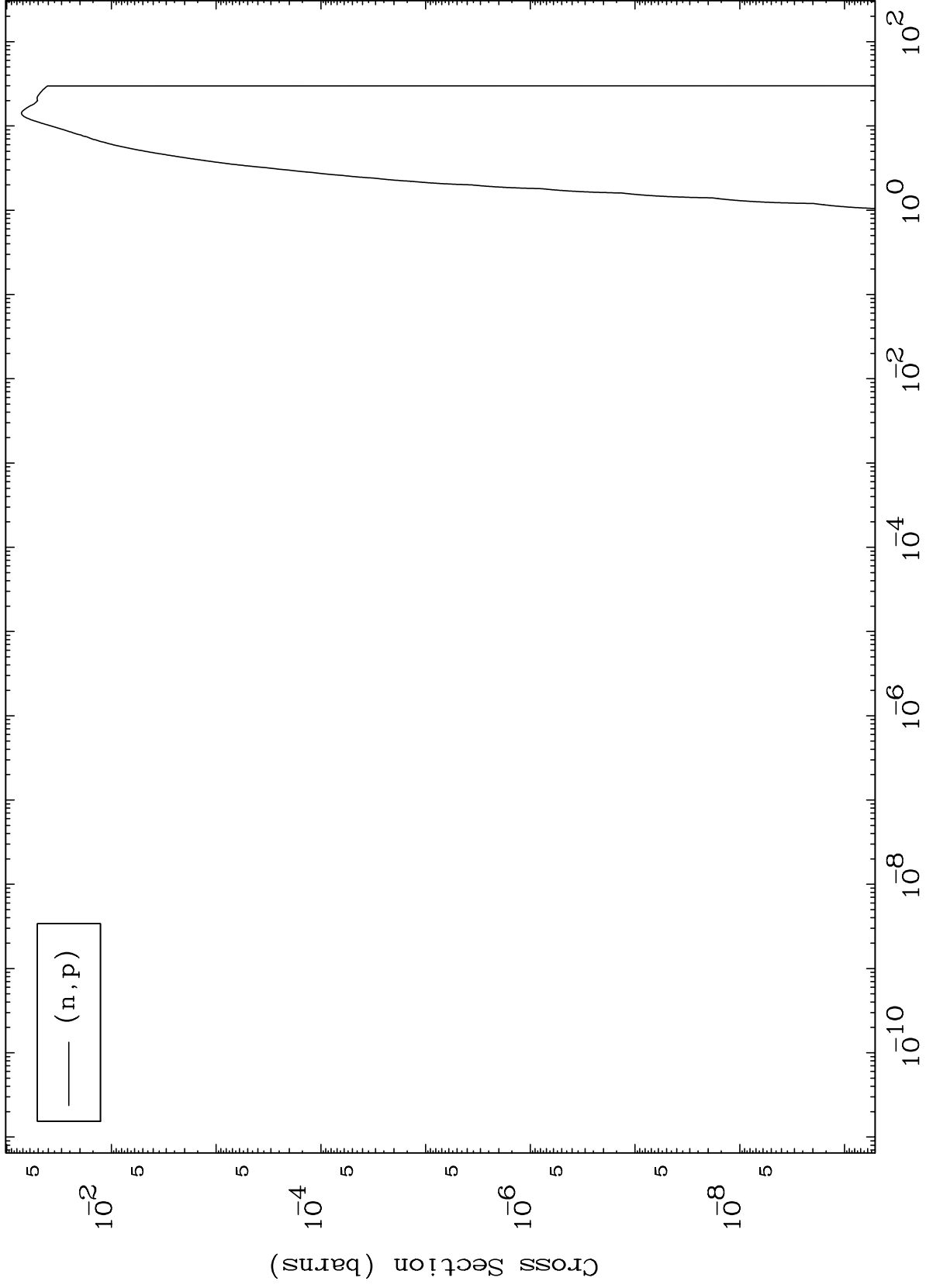
293 Kelvin Cross Sections



MAT 5025

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-112



12

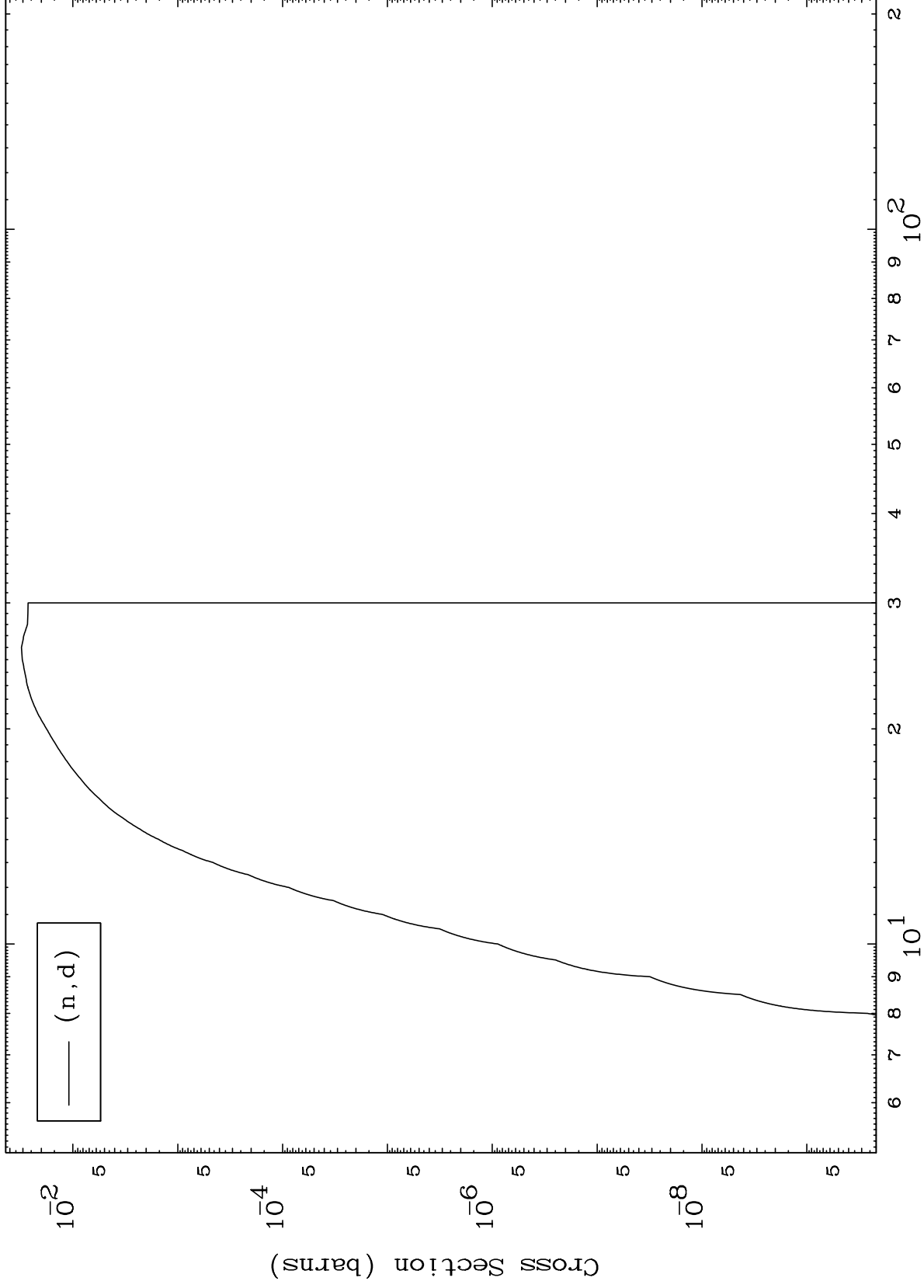
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50-Sn-112

MAT 5025

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-112



13

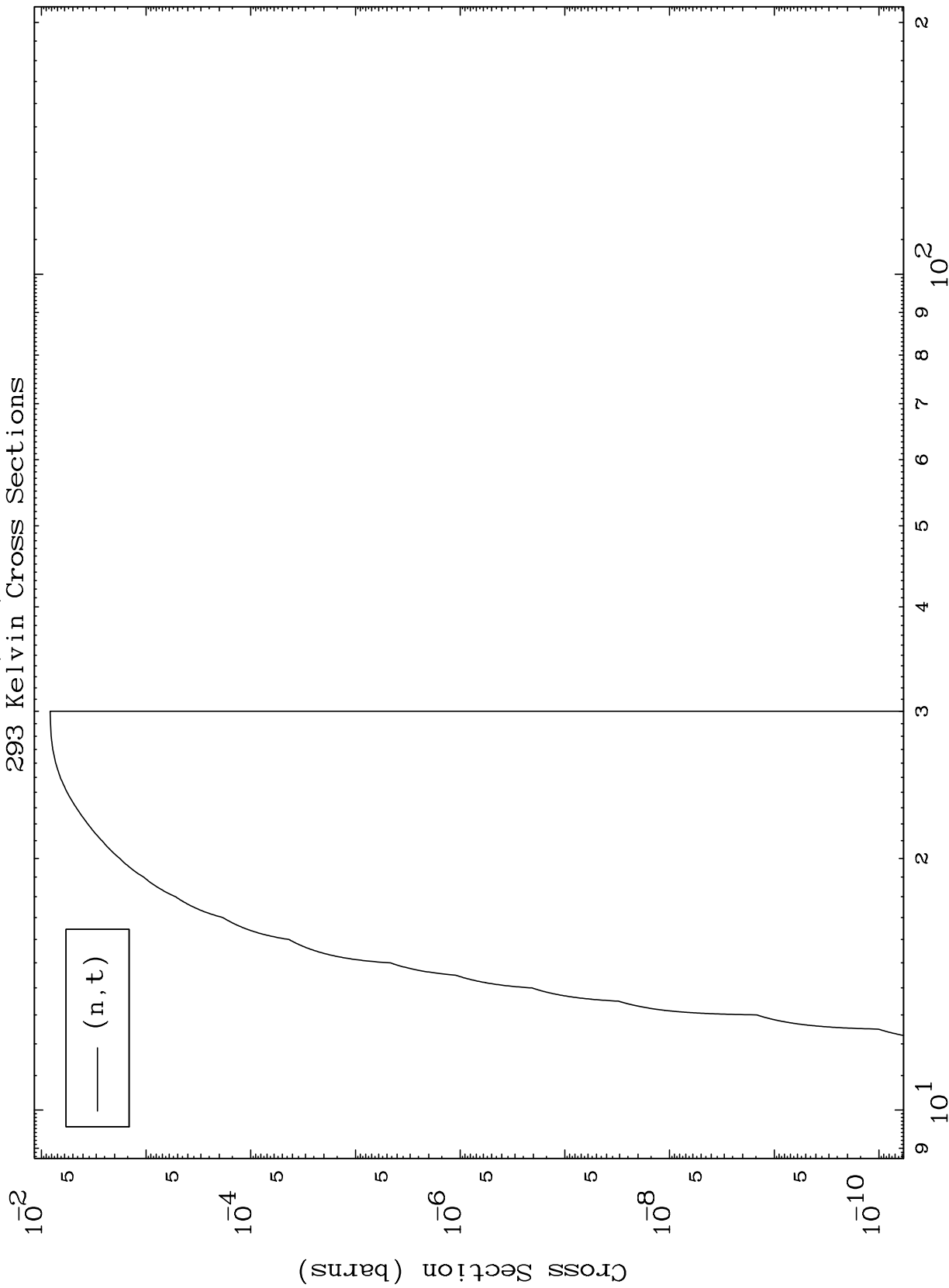
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50-Sn-112

MAT 5025

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-112



Incident Energy (MeV)

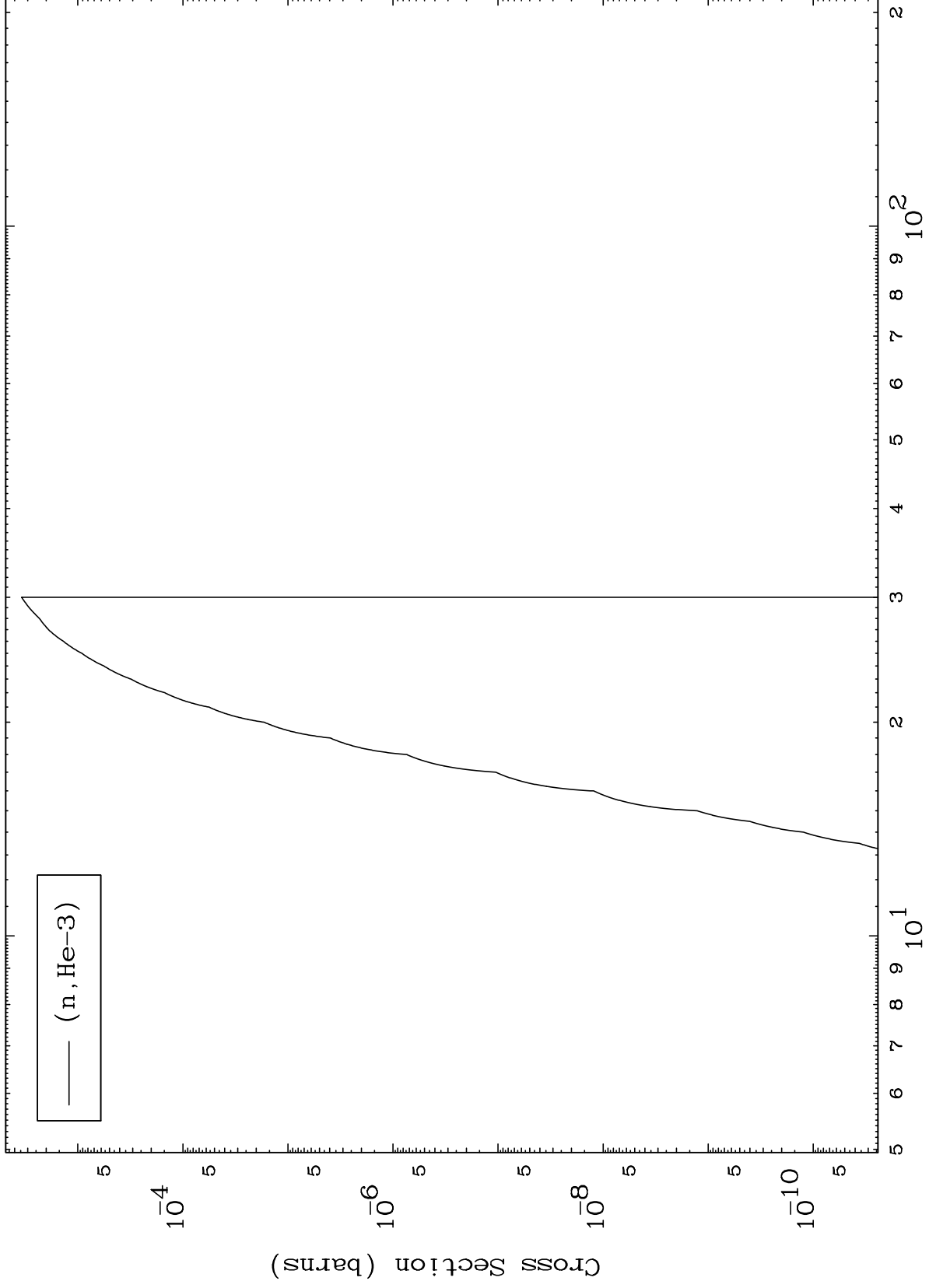
50-Sn-112

14

MAT 5025

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-112



15

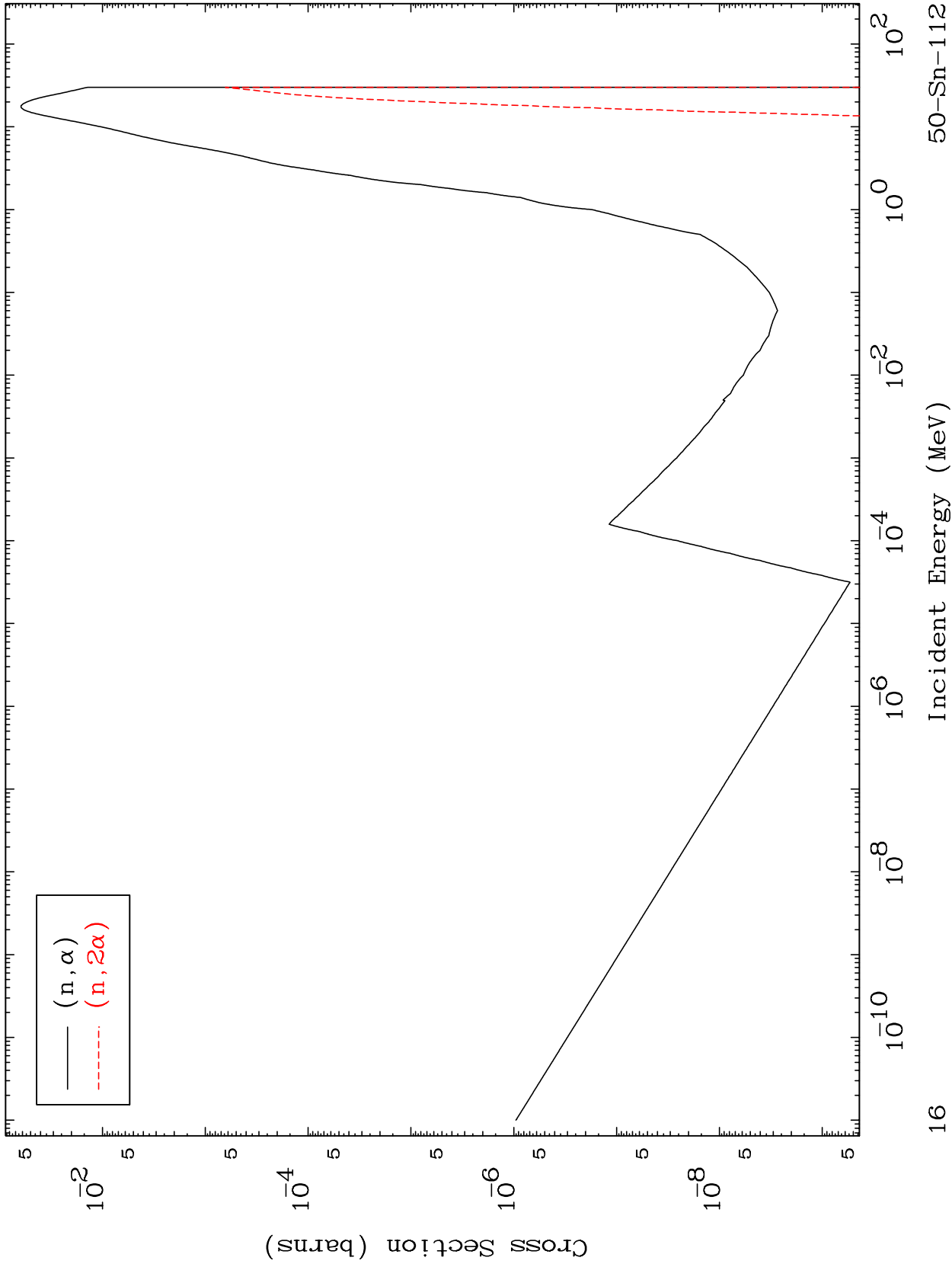
Incident Energy (MeV)

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MAT 5025

(n,α) Levels
293 Kelvin Cross Sections

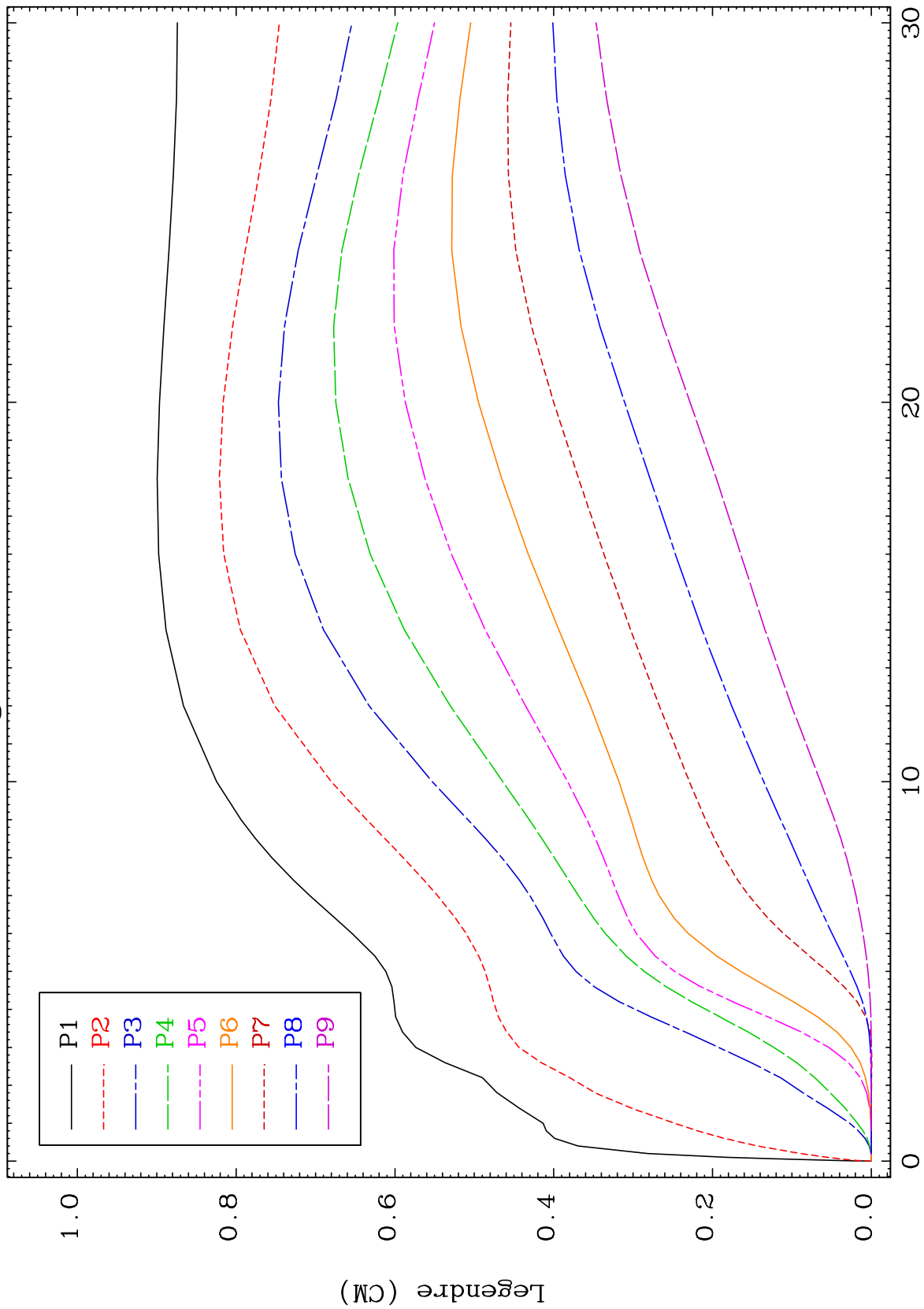
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MAT 5025

Elastic Legendre Coefficients

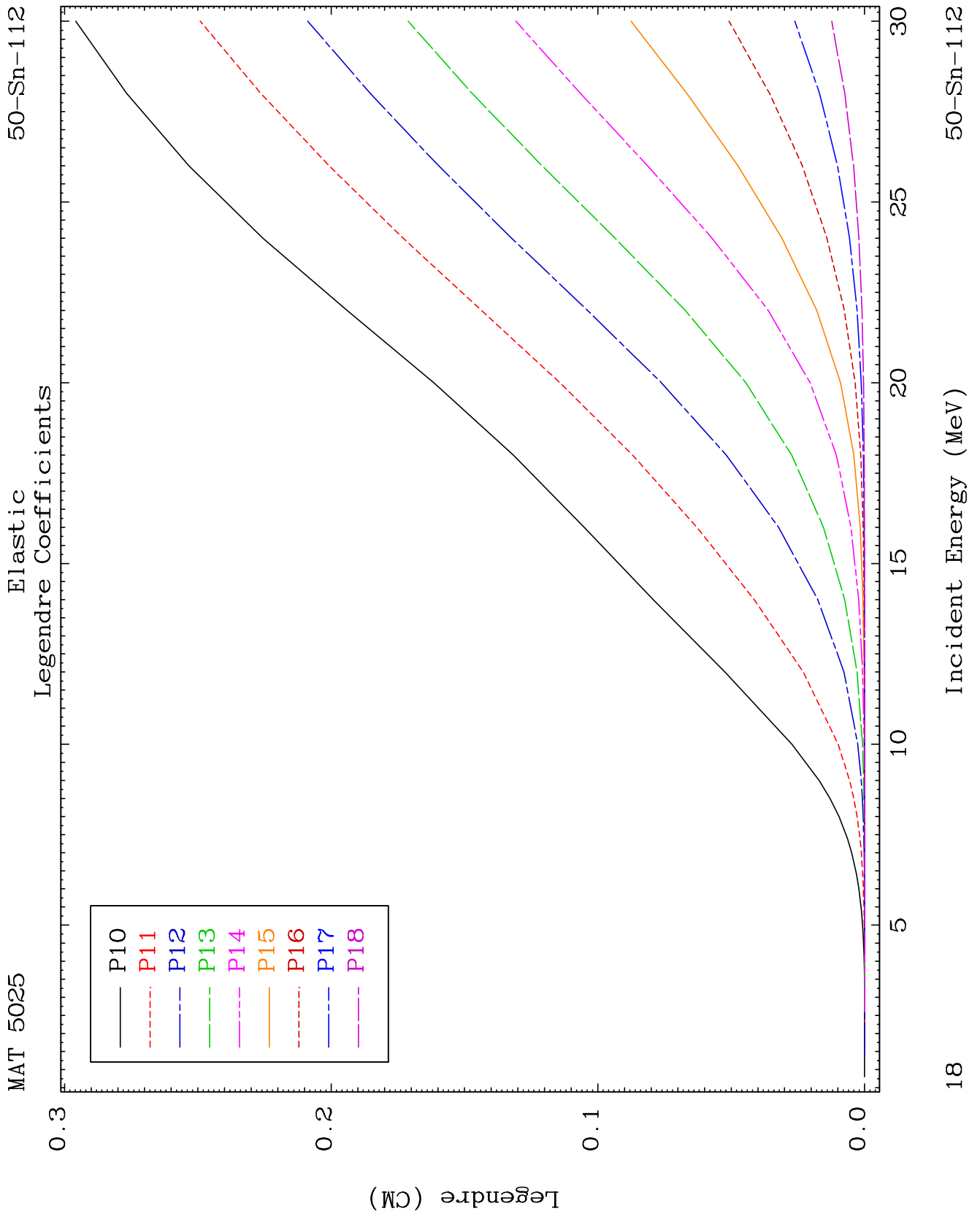
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17

Incident Energy (MeV)

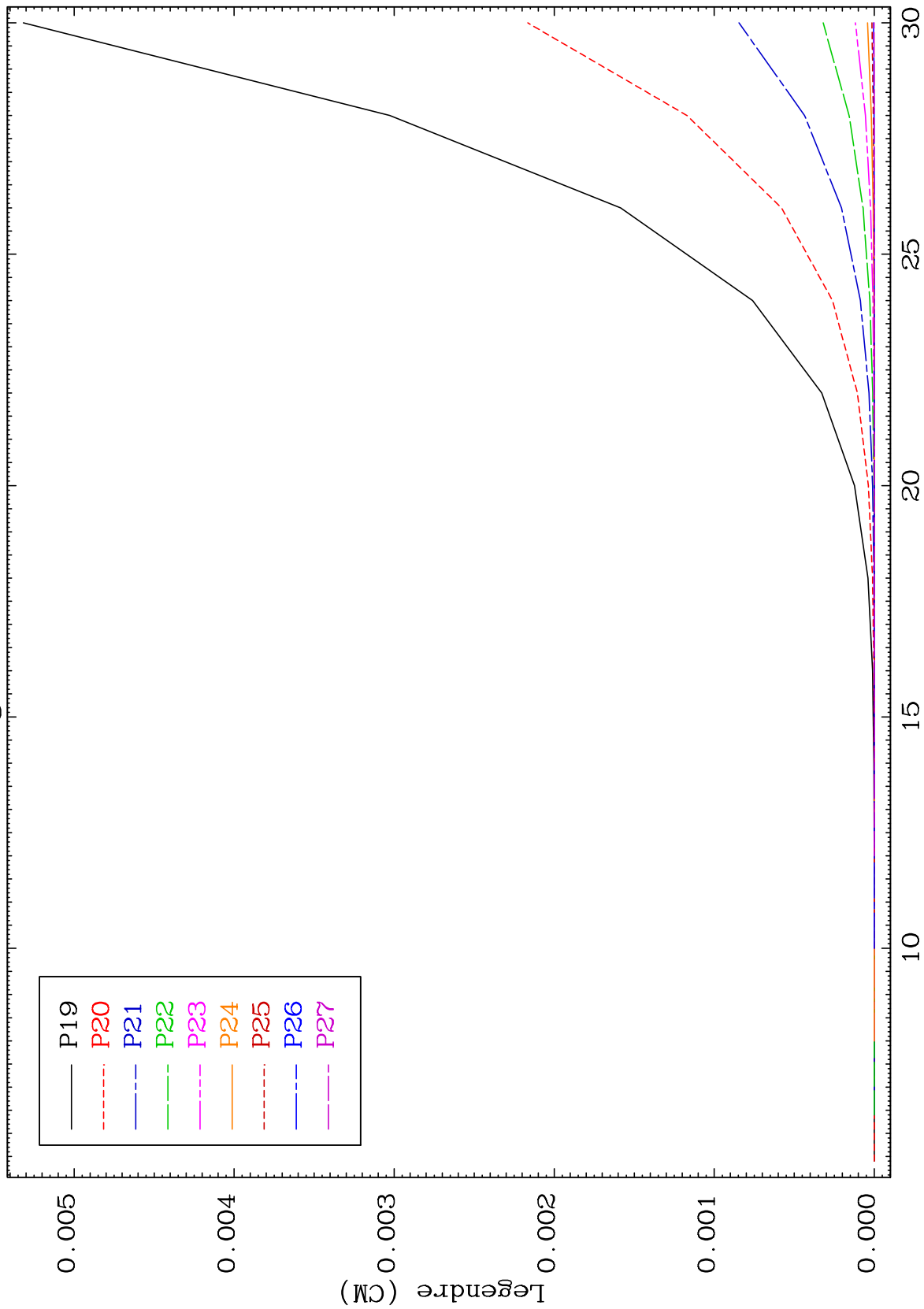
50-Sn-112



MAT 5025

Elastic
Legendre Coefficients

50-Sn-112



19

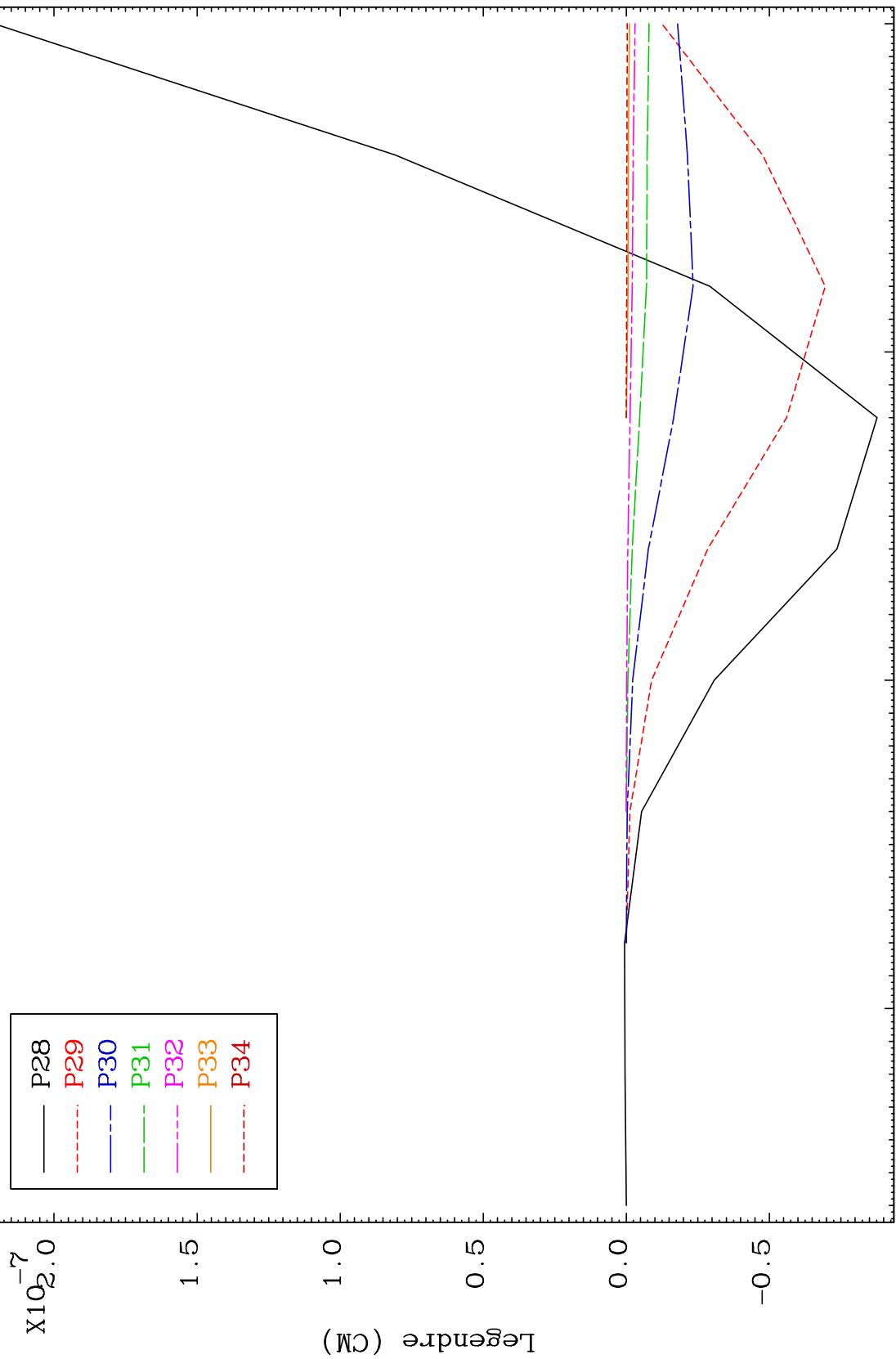
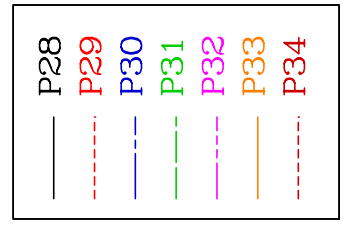
Incident Energy (MeV)

50-Sn-112

MAT 5025

Elastic Legendre Coefficients

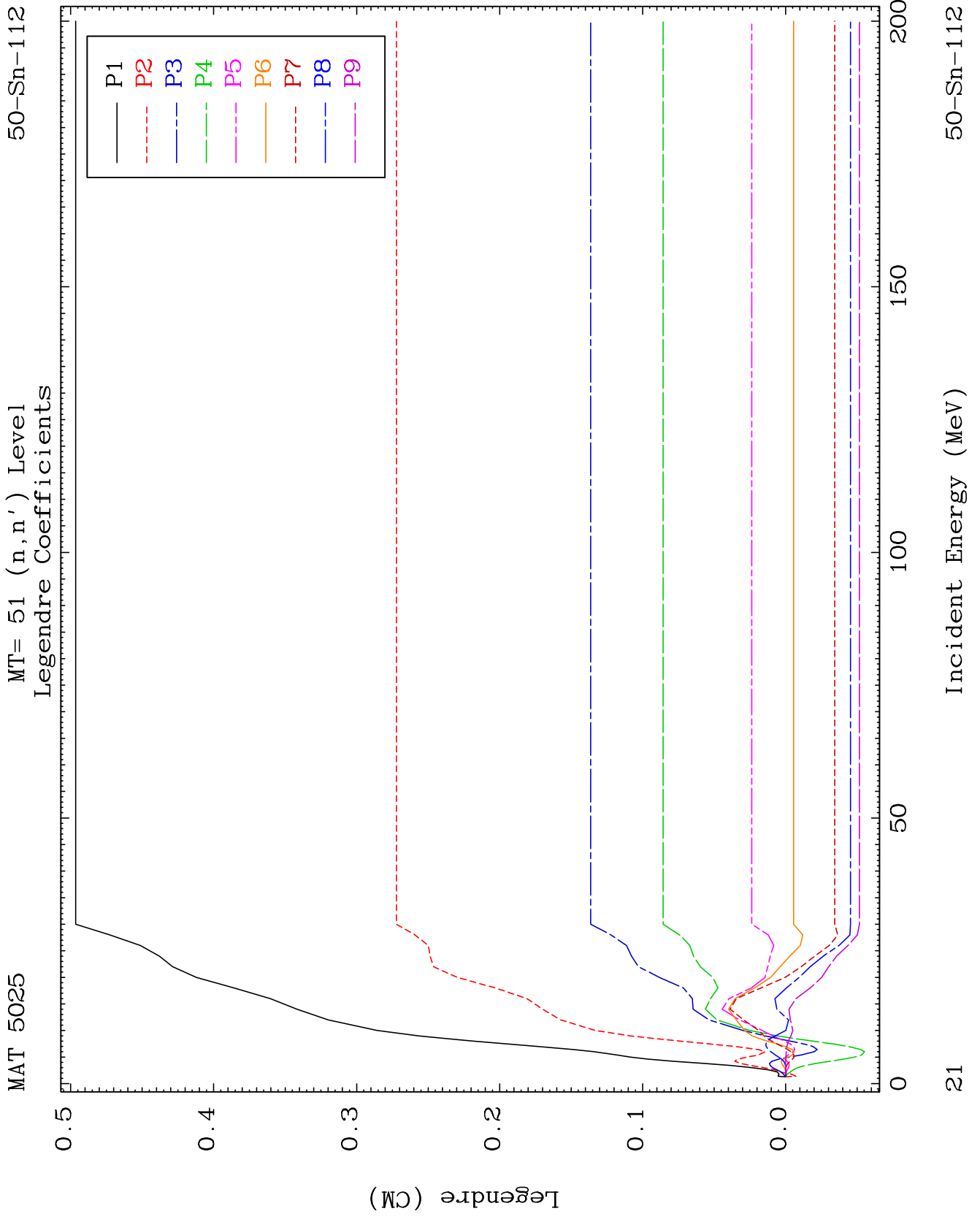
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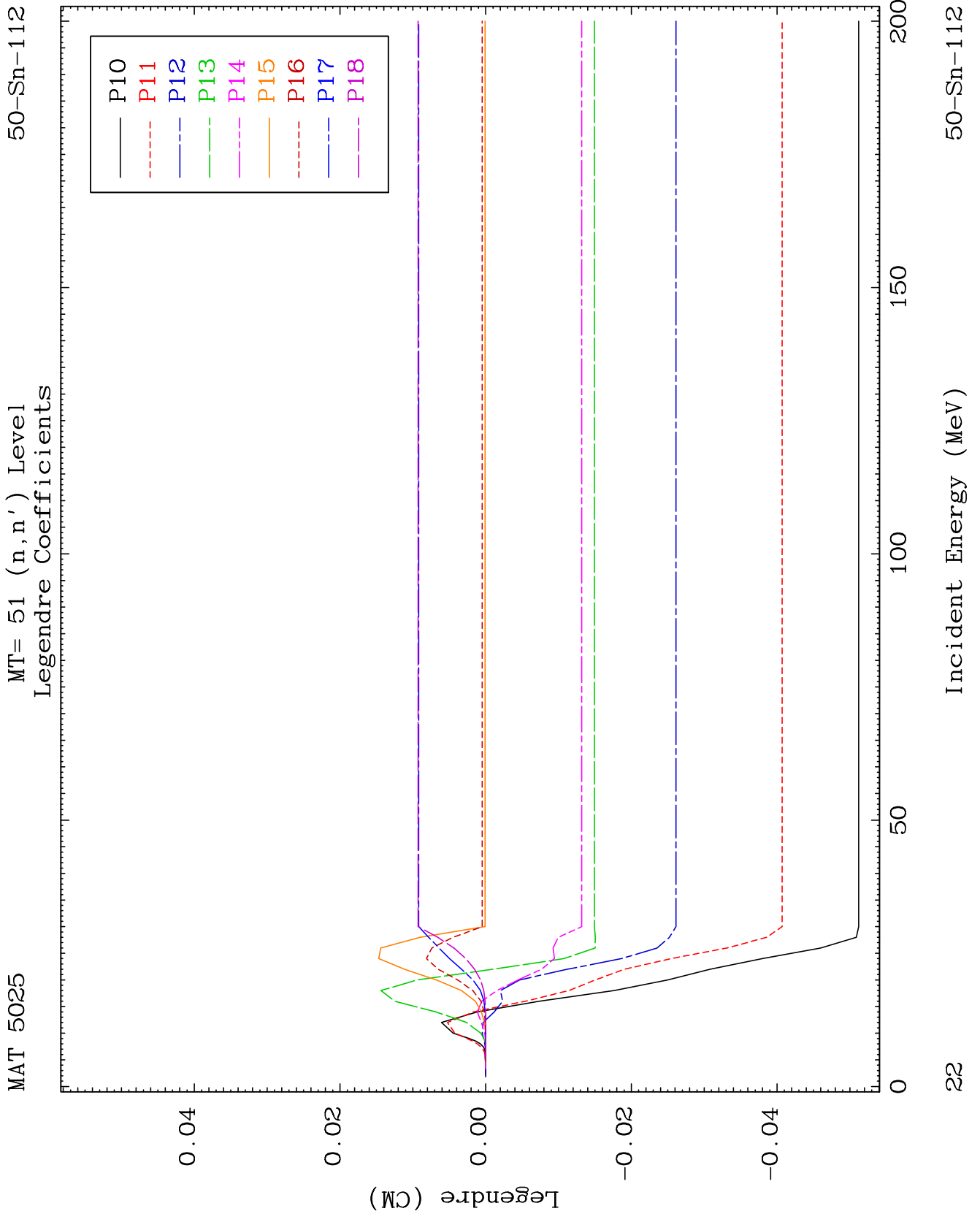


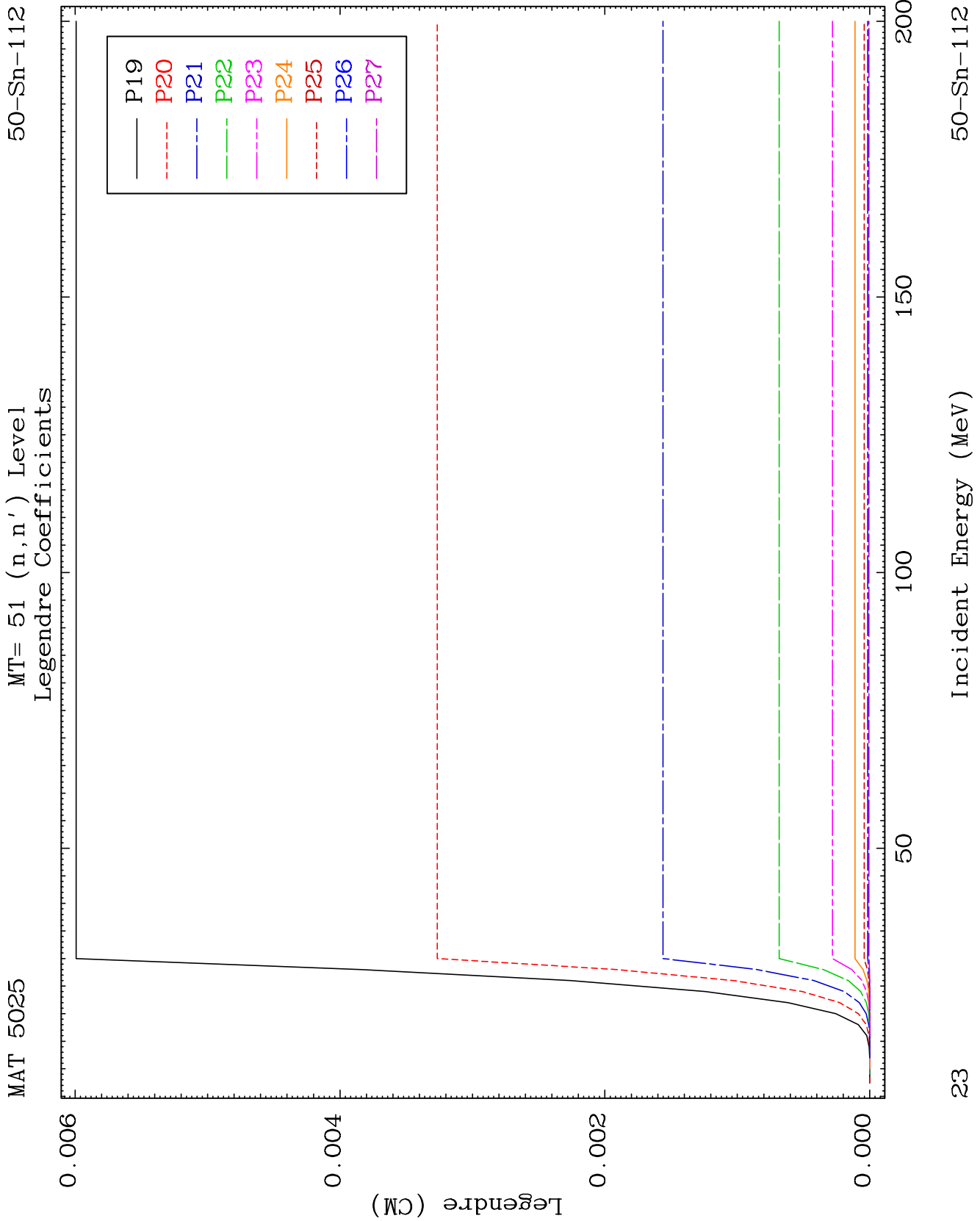
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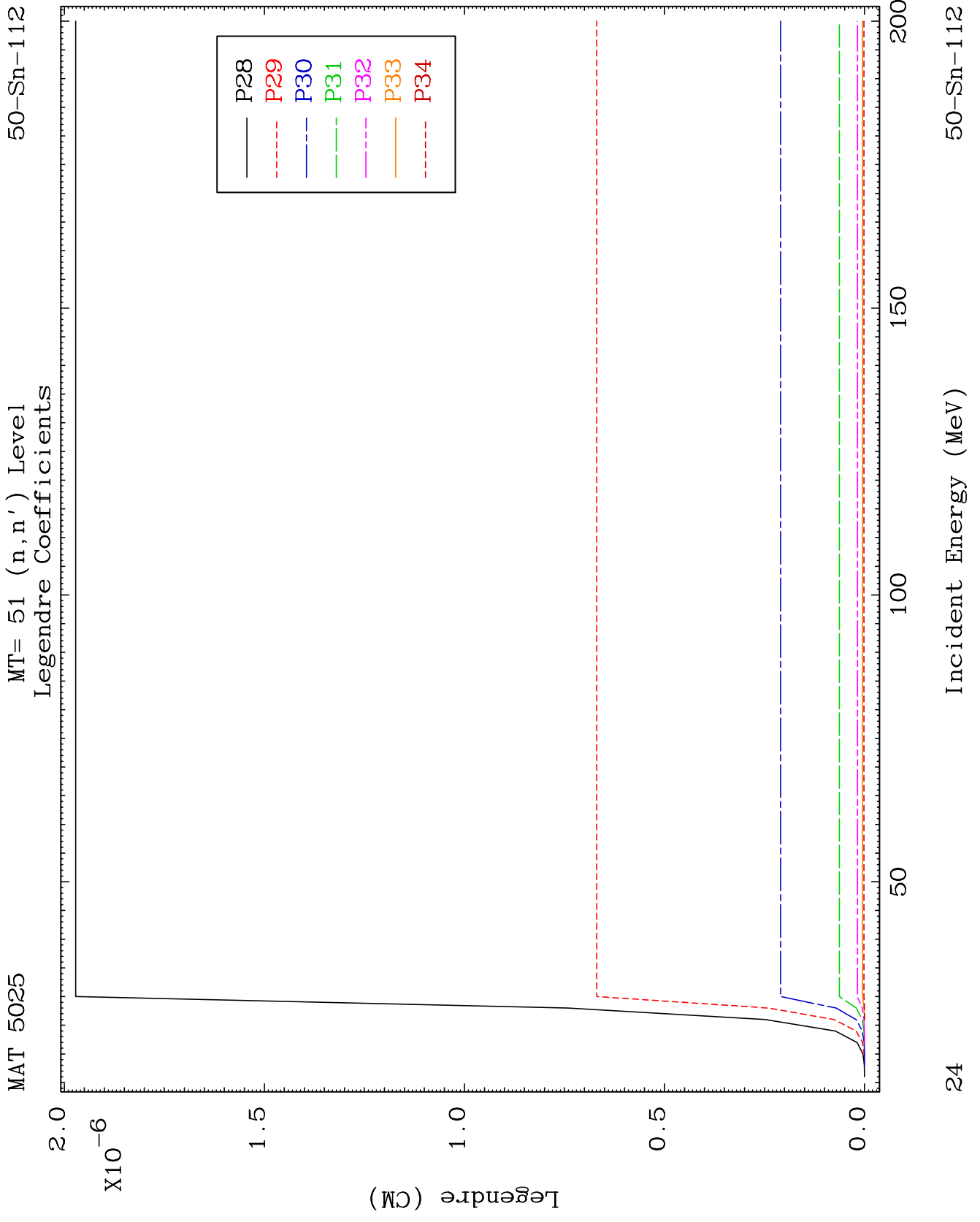
Incident Energy (MeV)

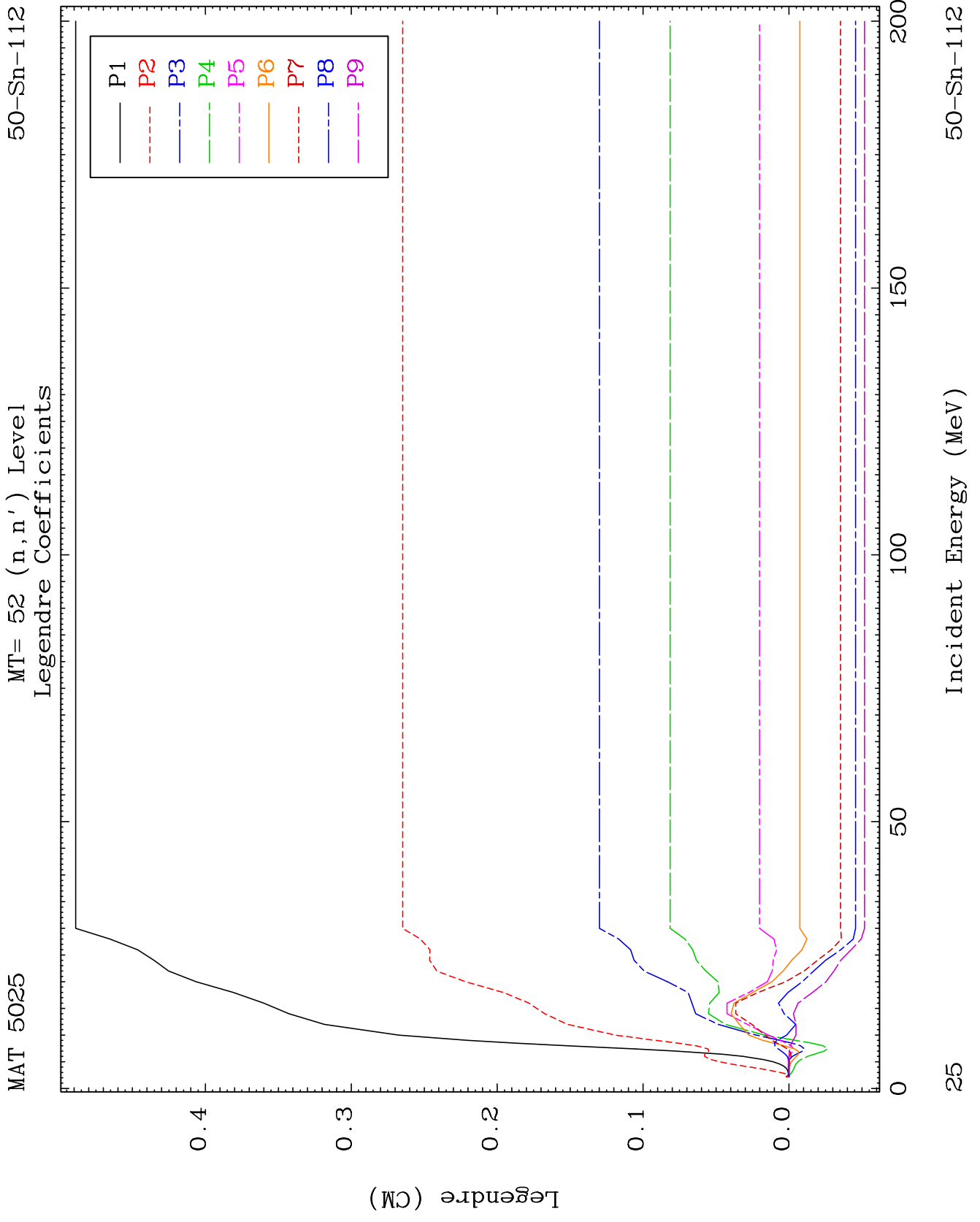
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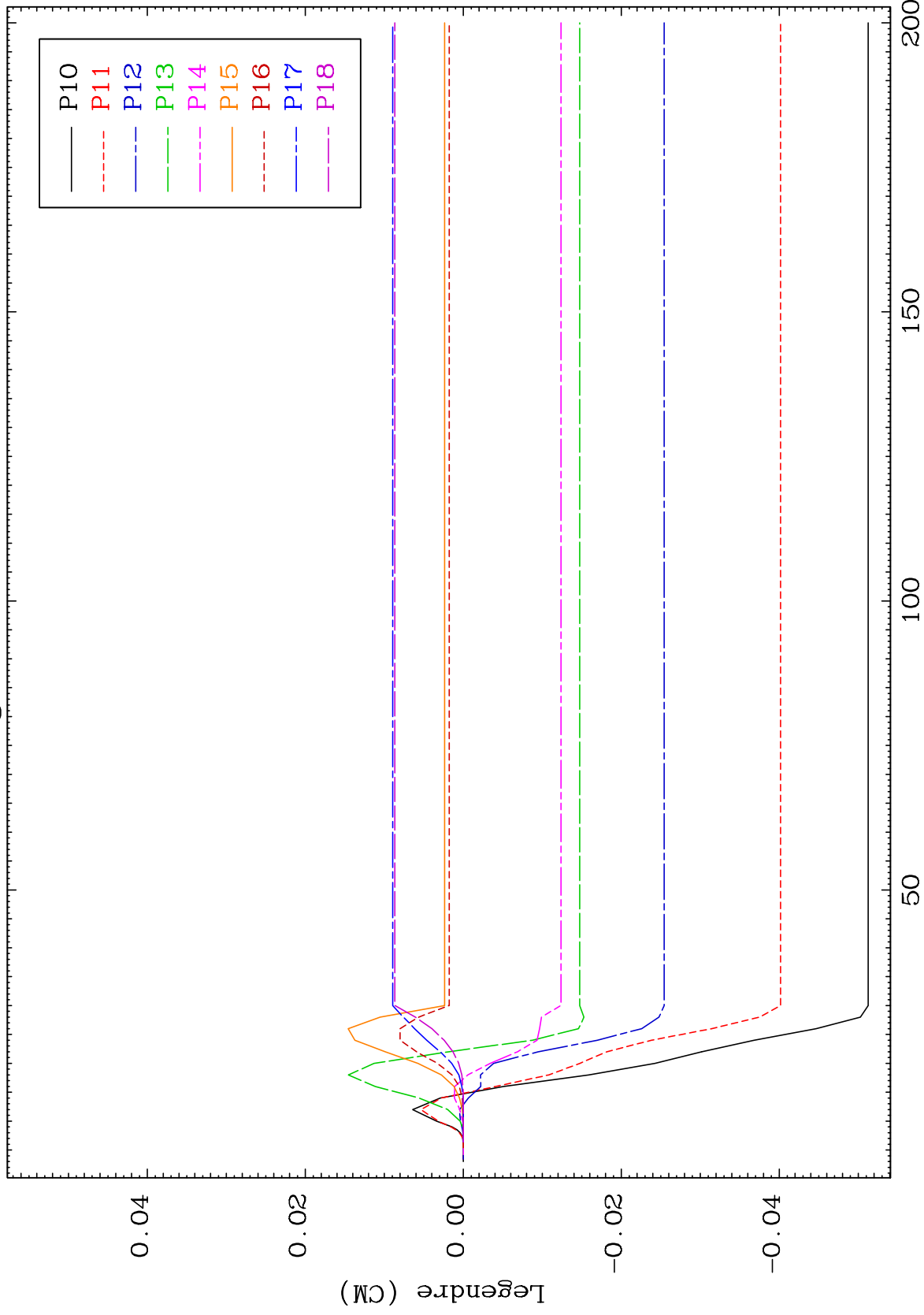




MAT 5025

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

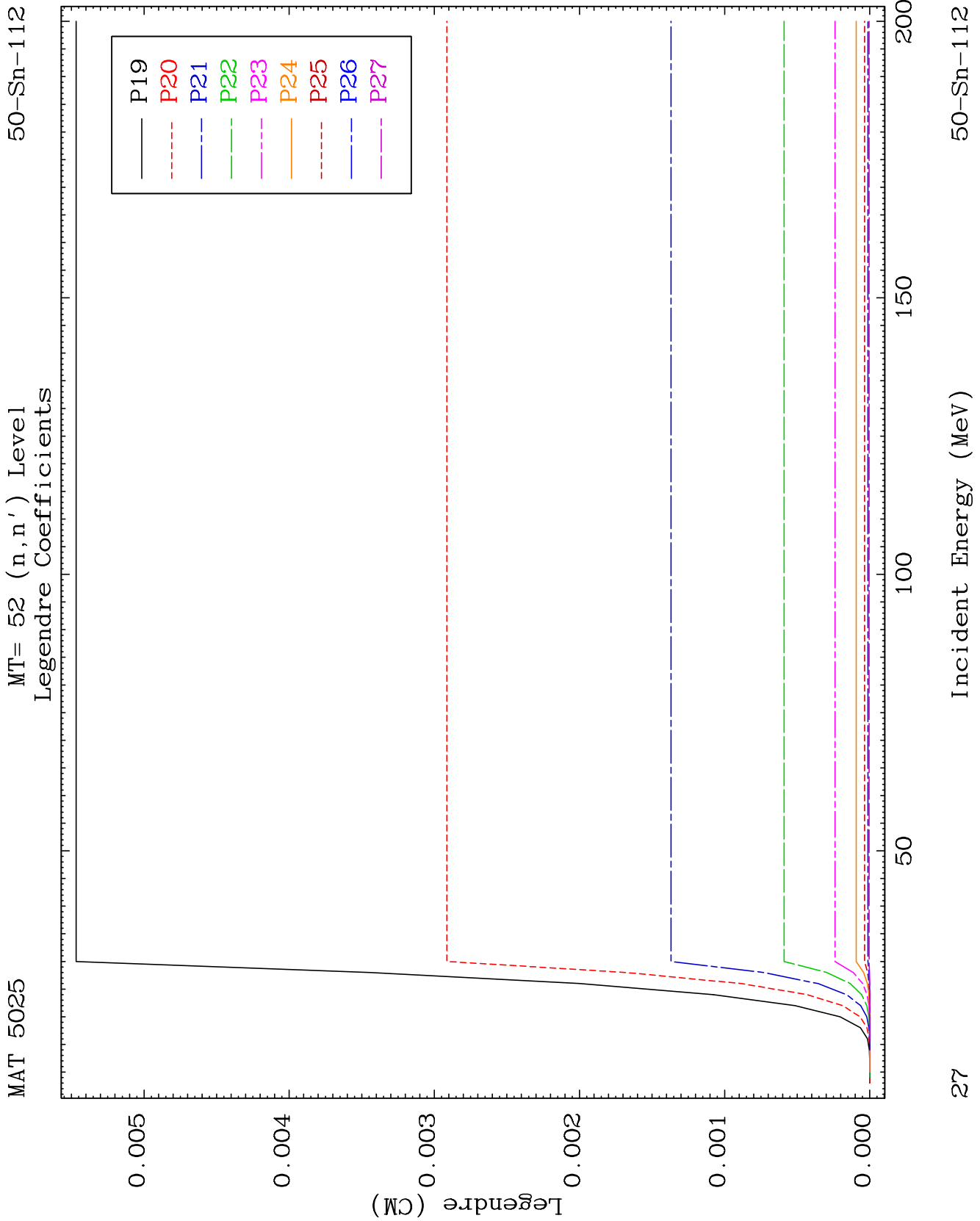
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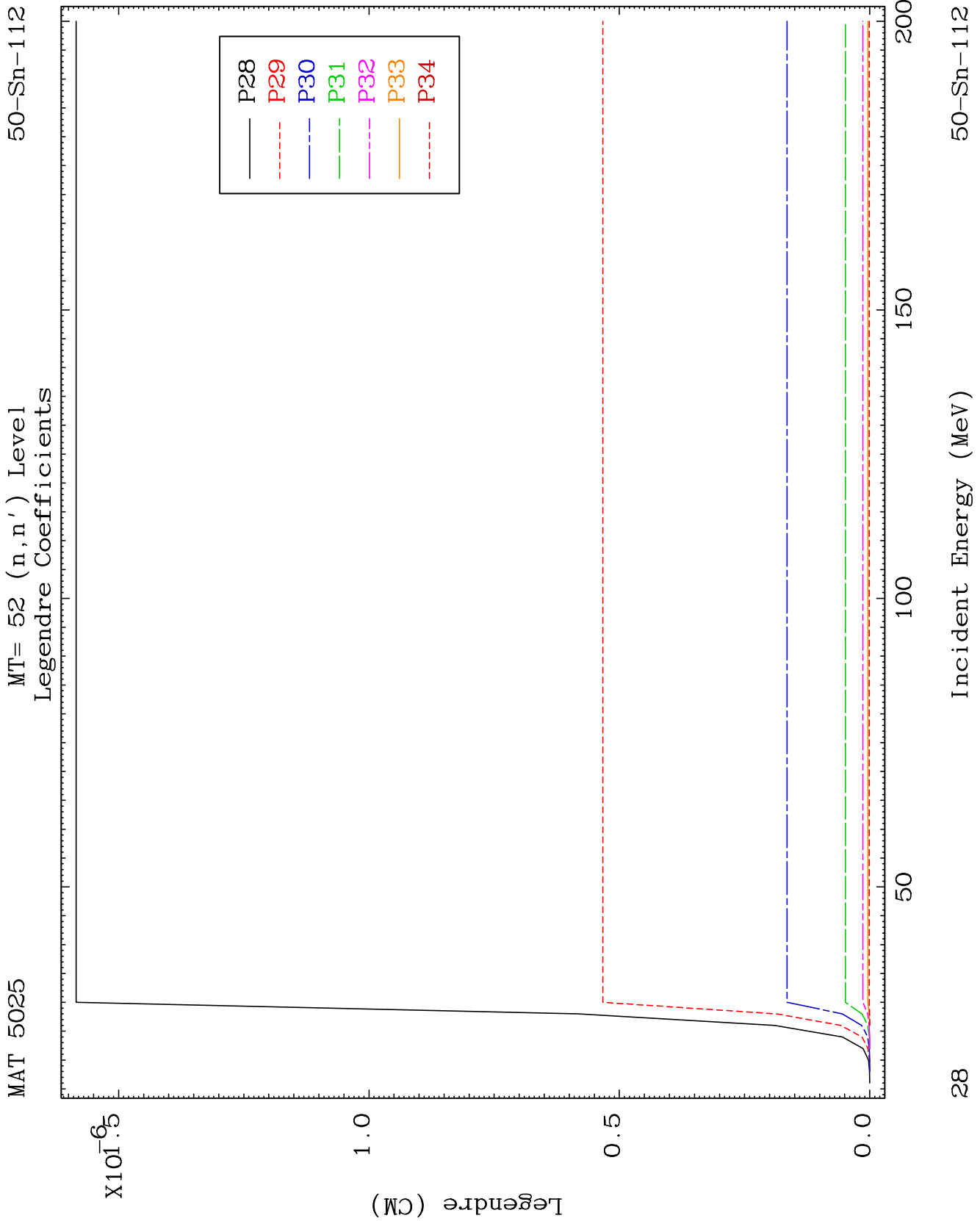


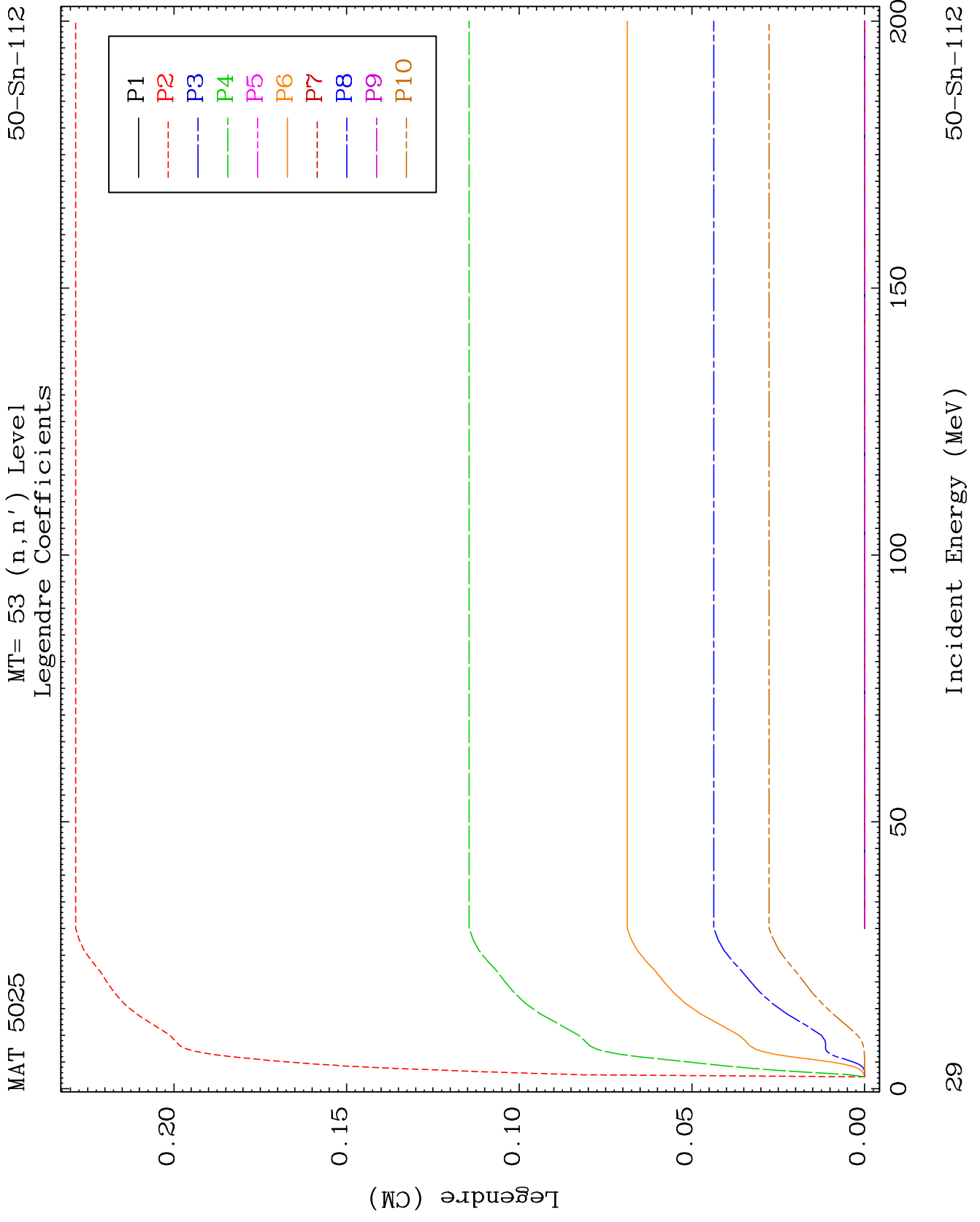
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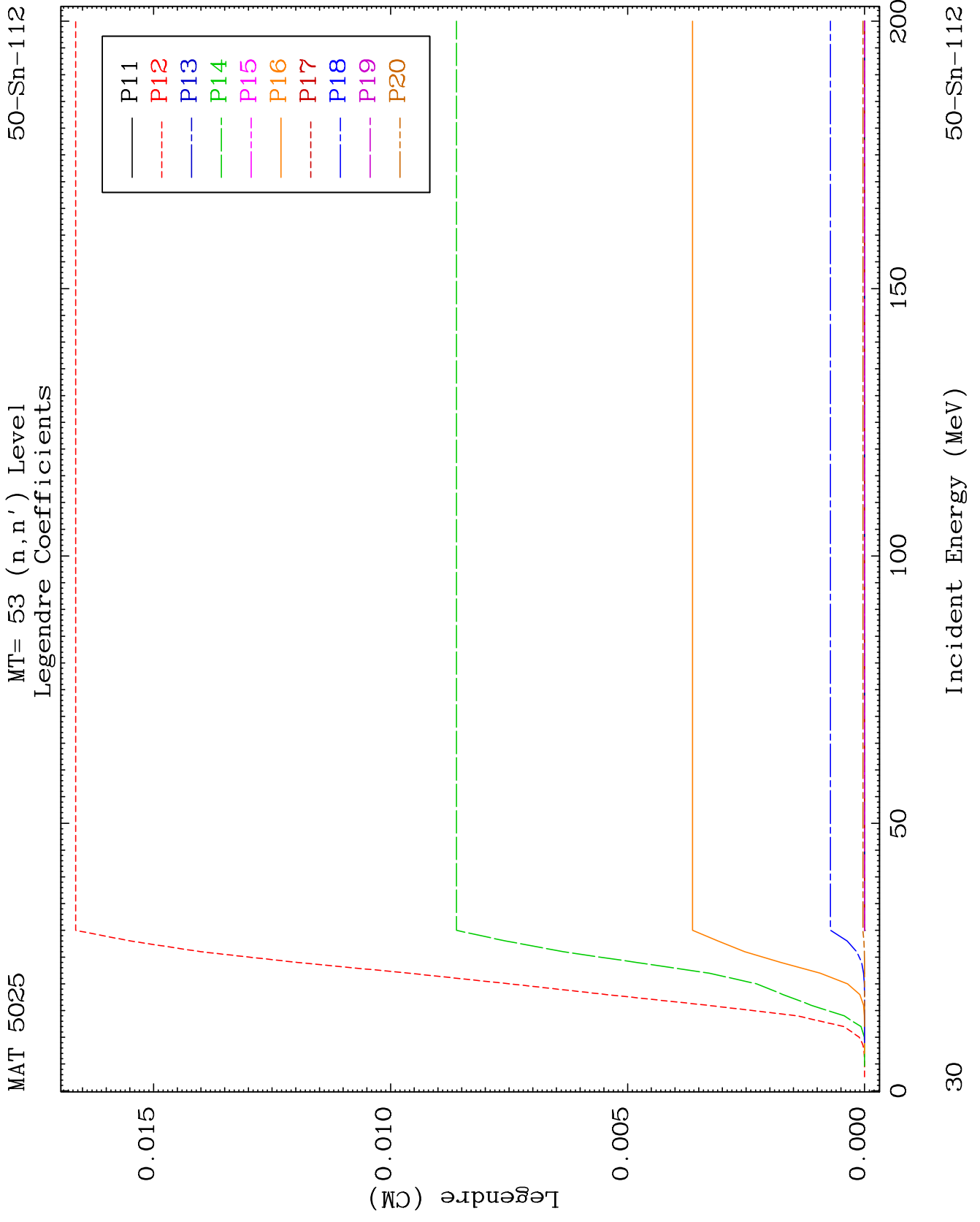
Incident Energy (MeV)

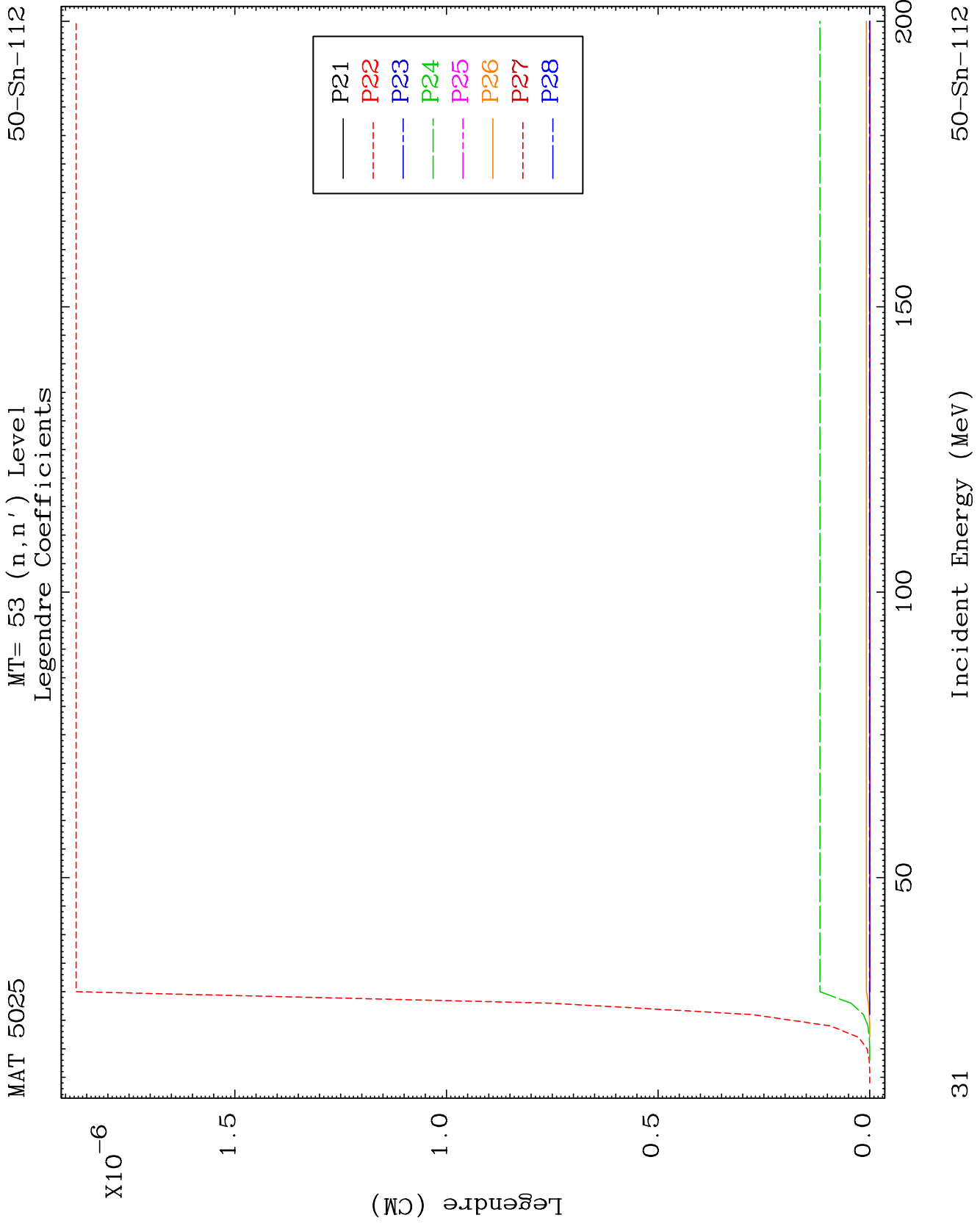
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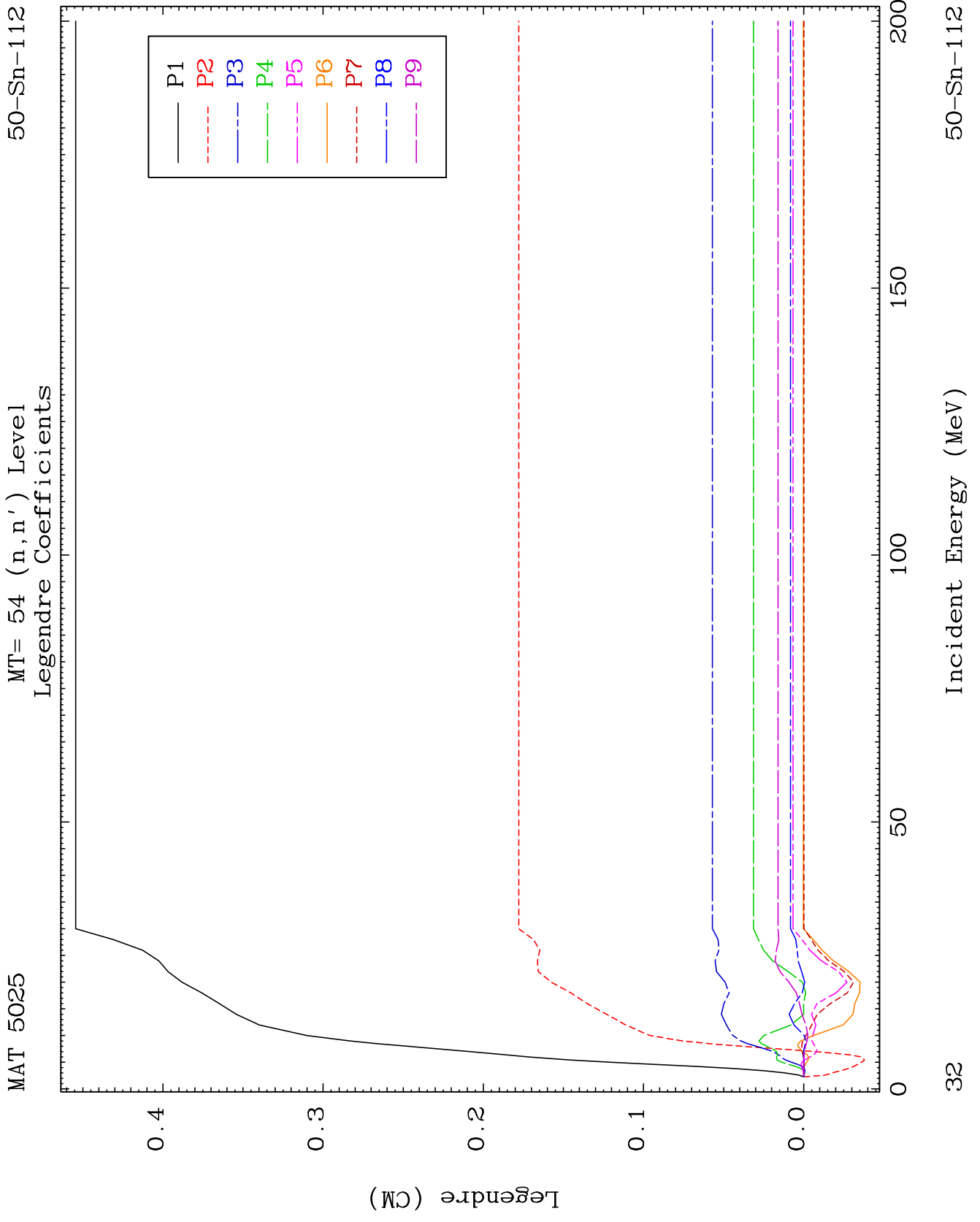


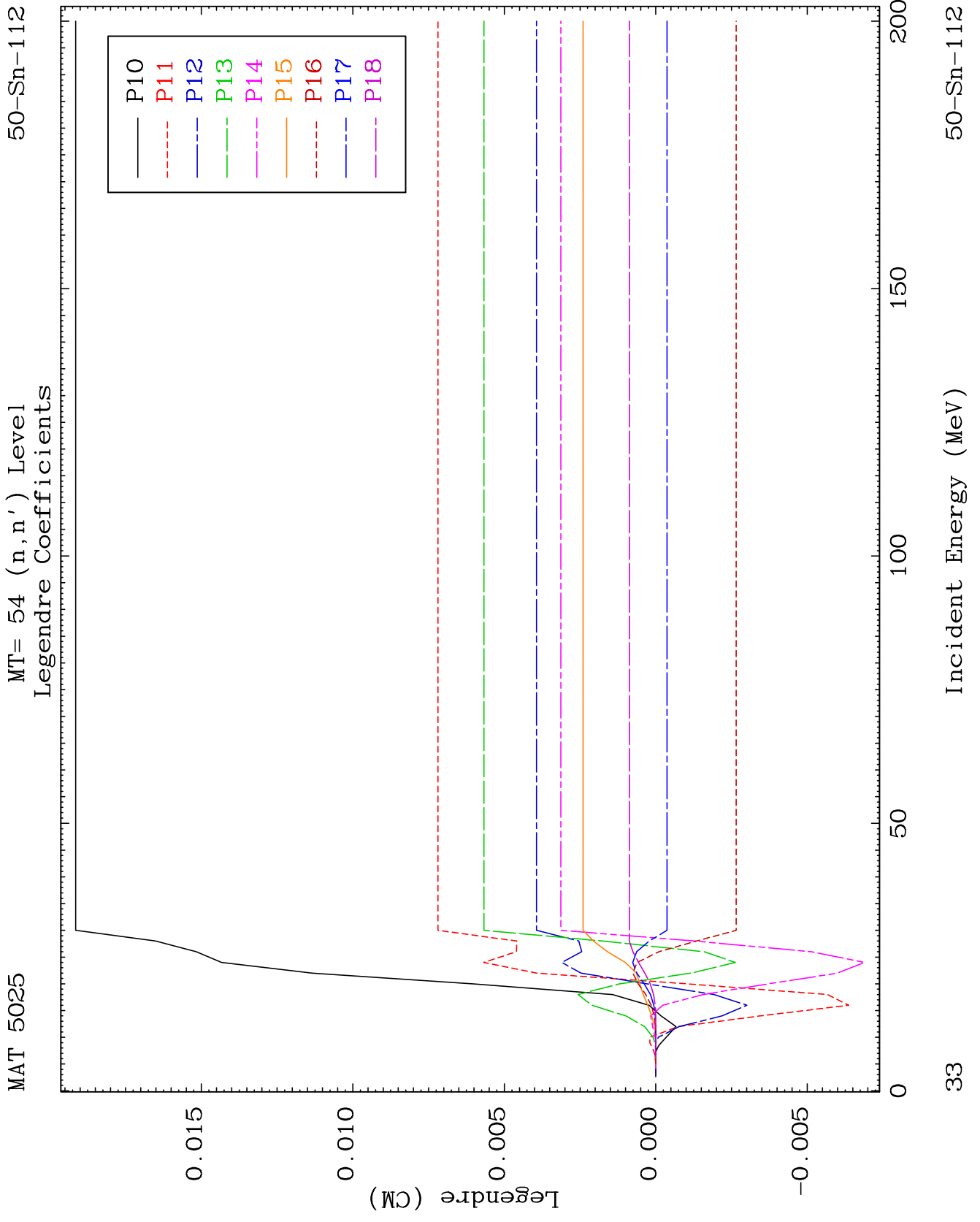








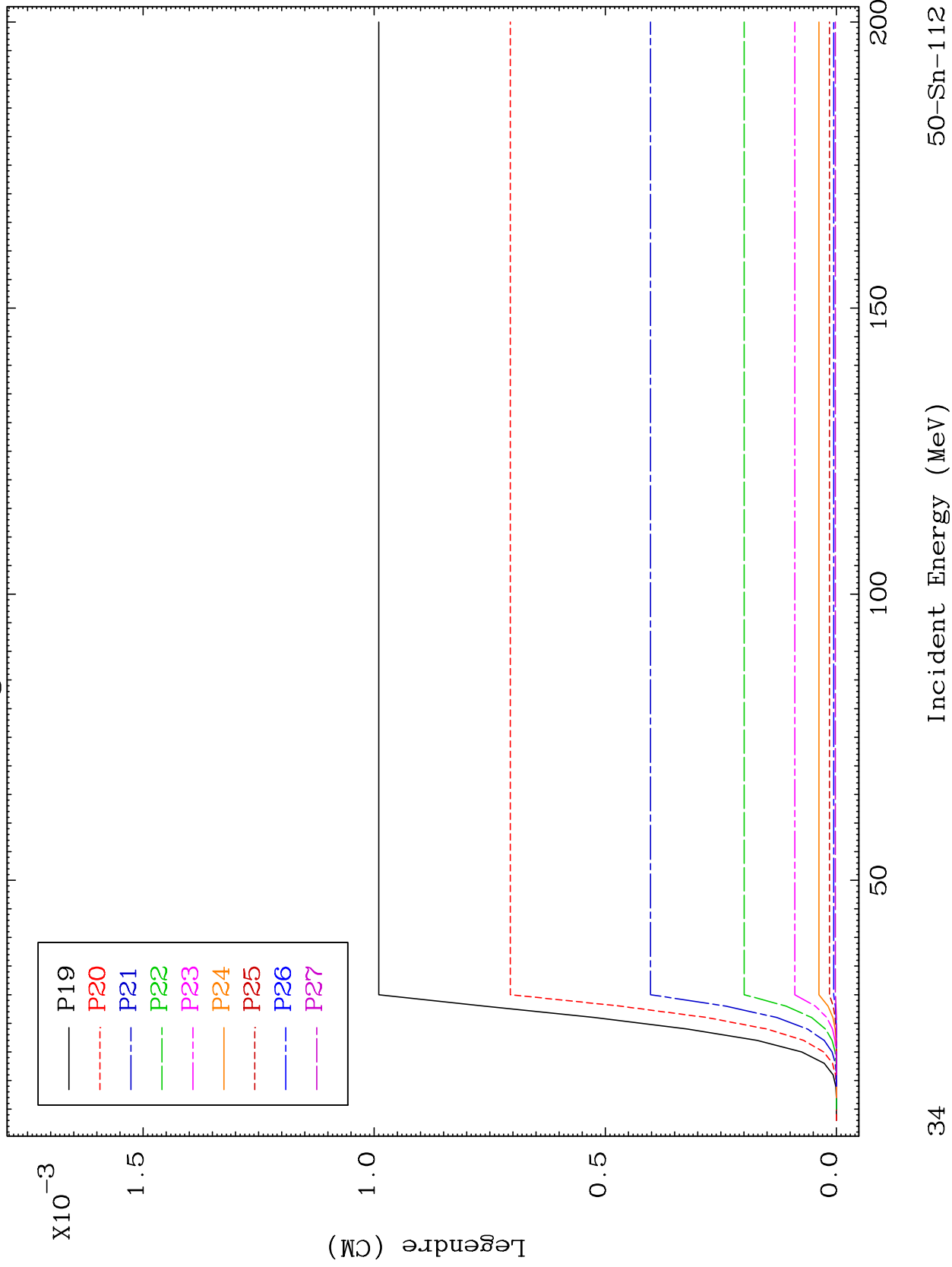


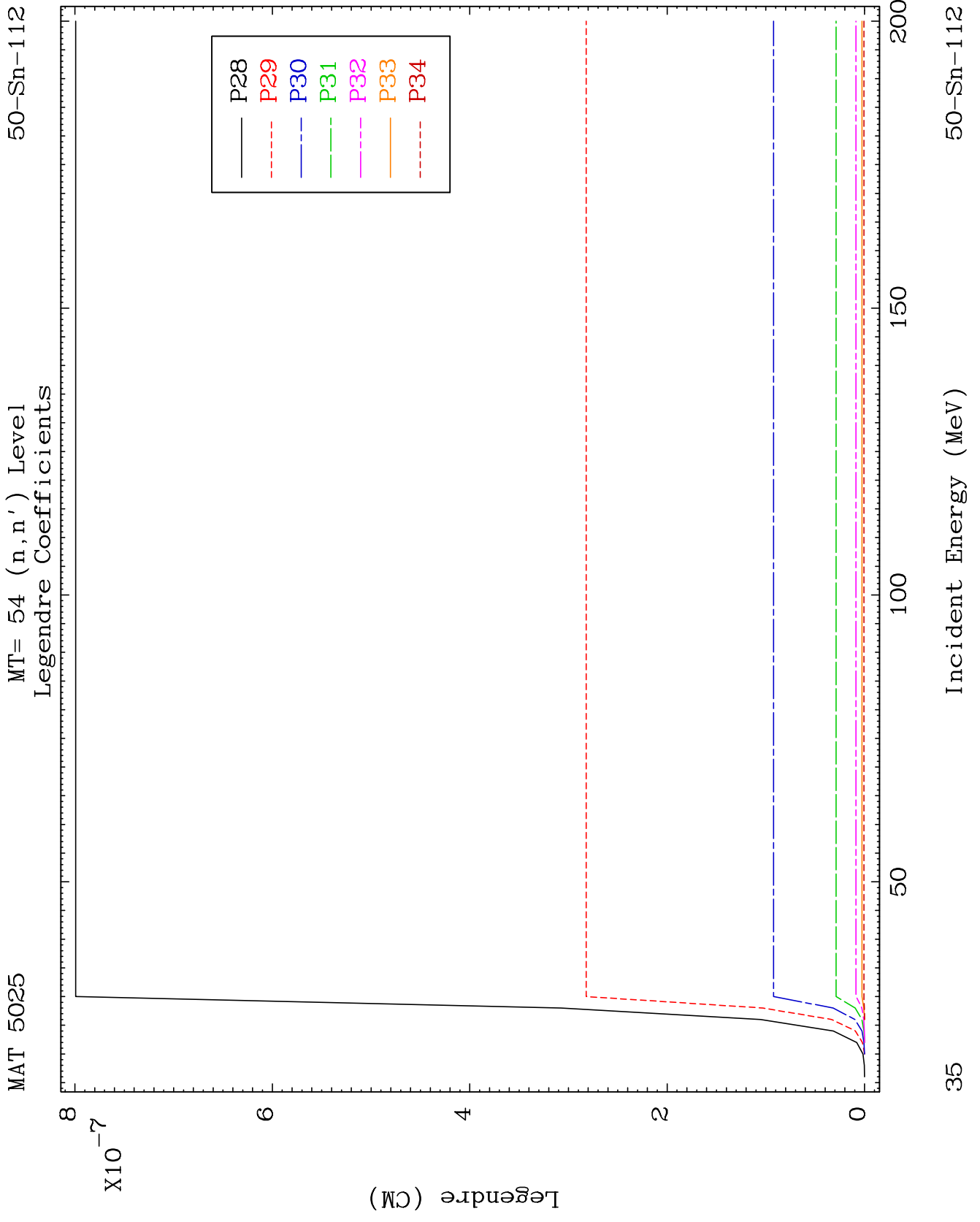


MAT 5025

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

50-Sn-112

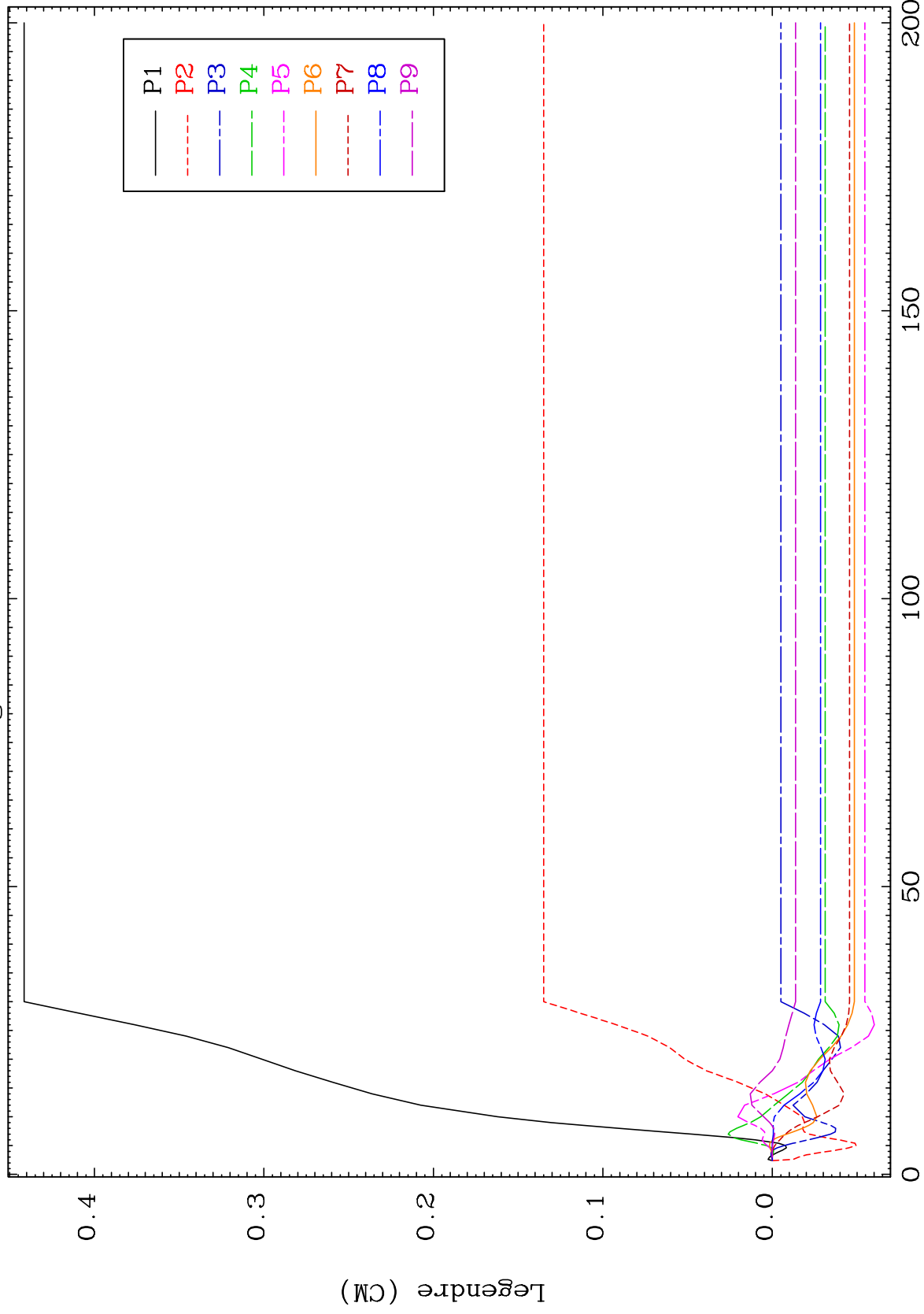




MAT 5025

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

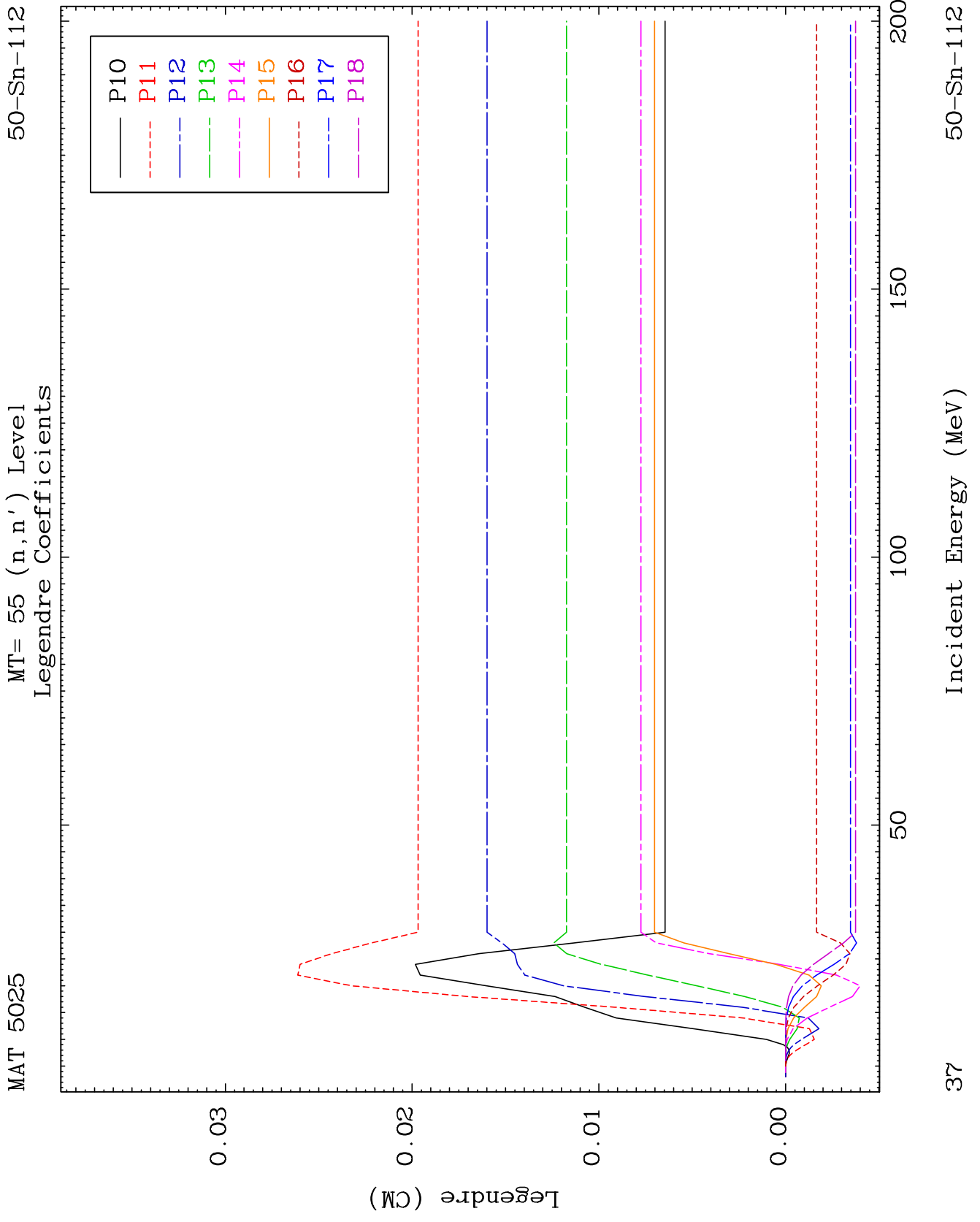
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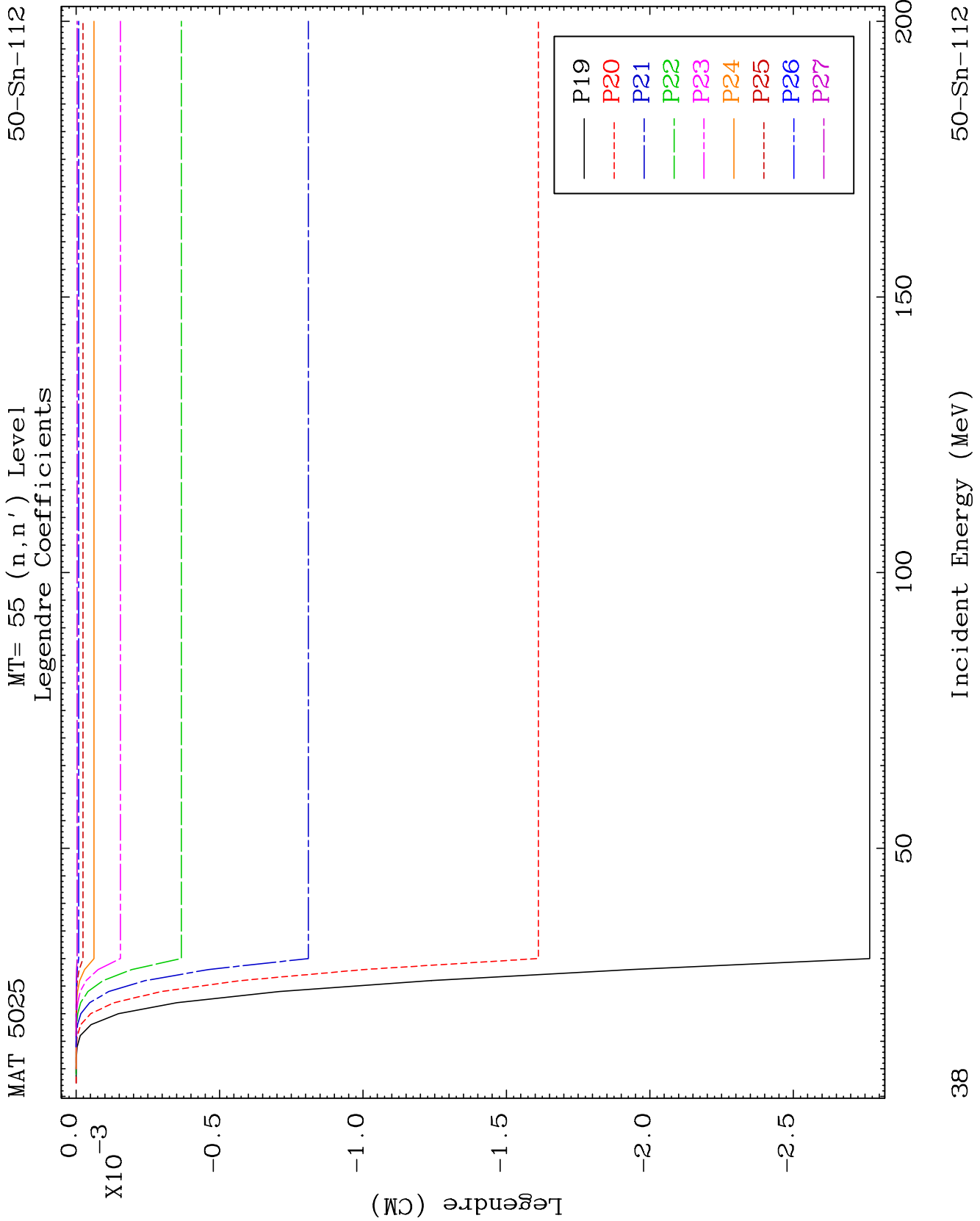


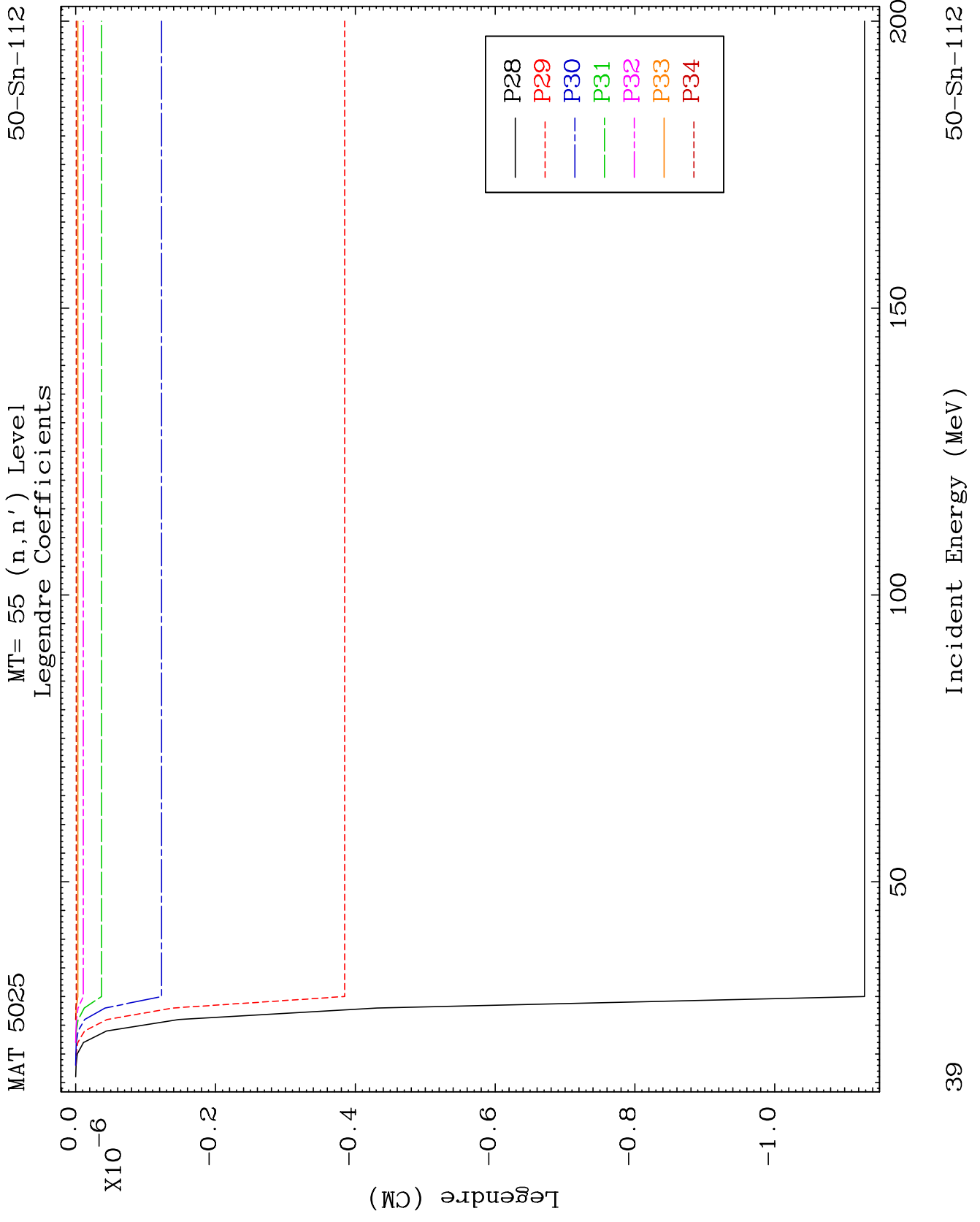
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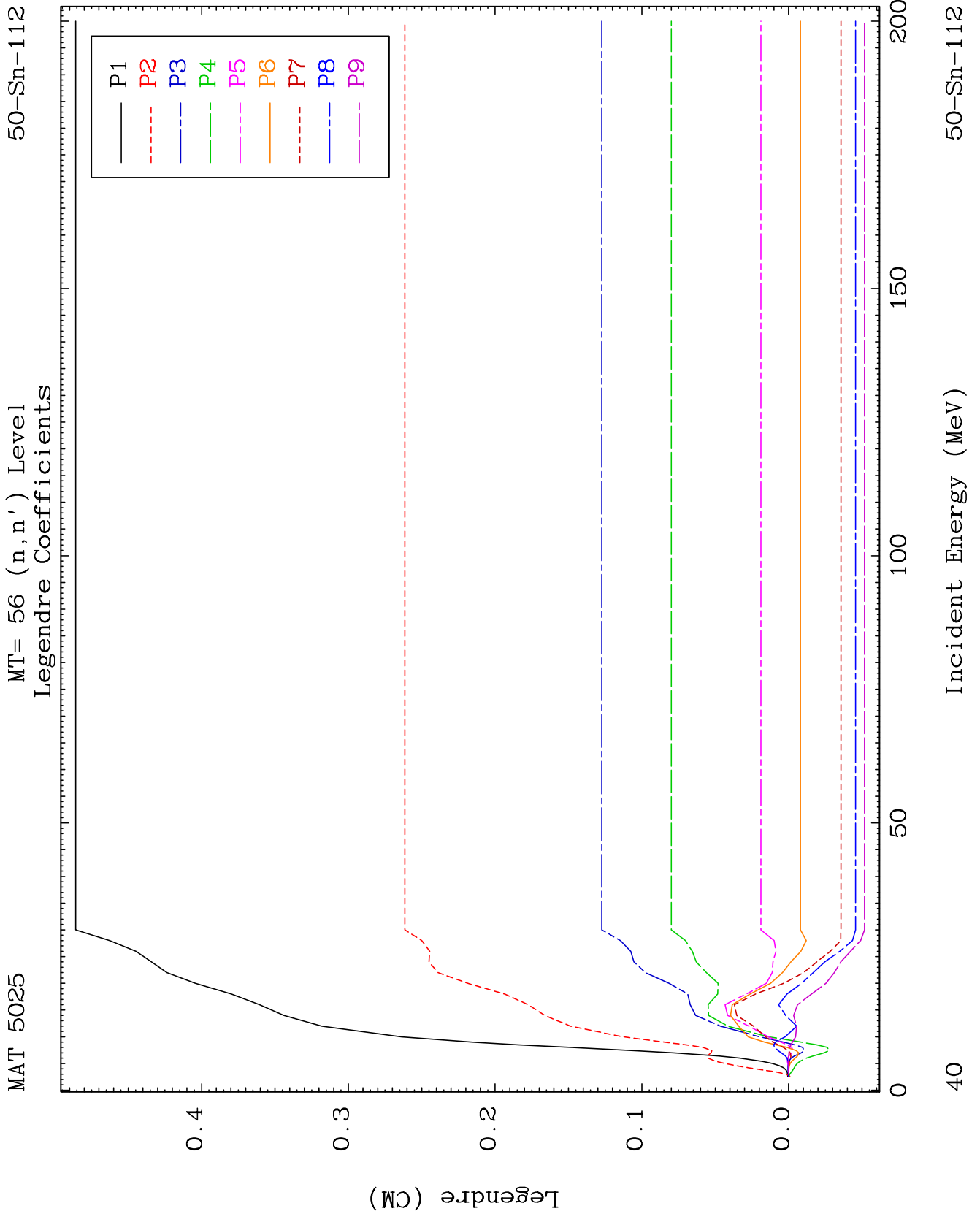
Incident Energy (MeV)

50-Sn-112





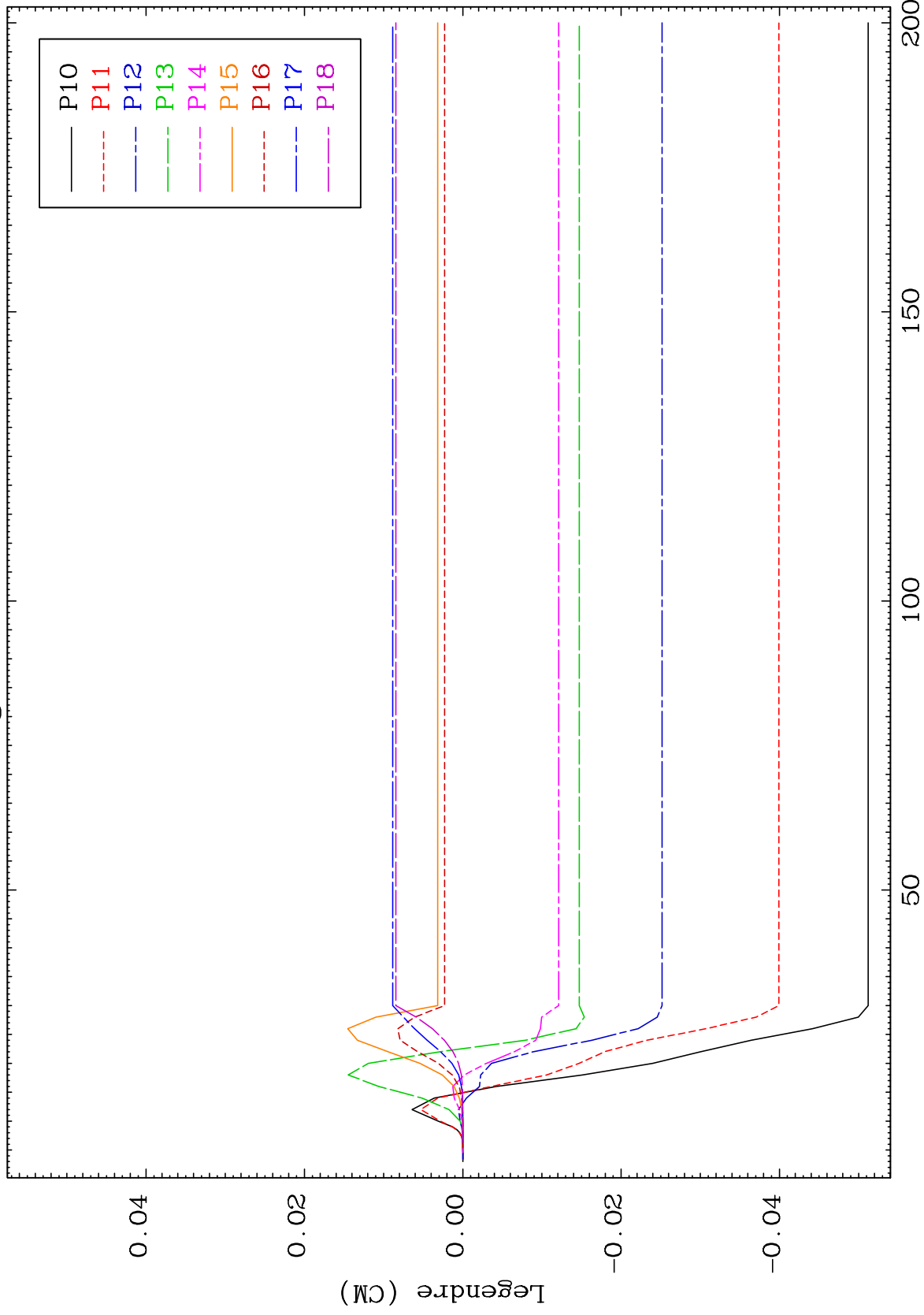




MAT 5025

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

50-Sn-112



41

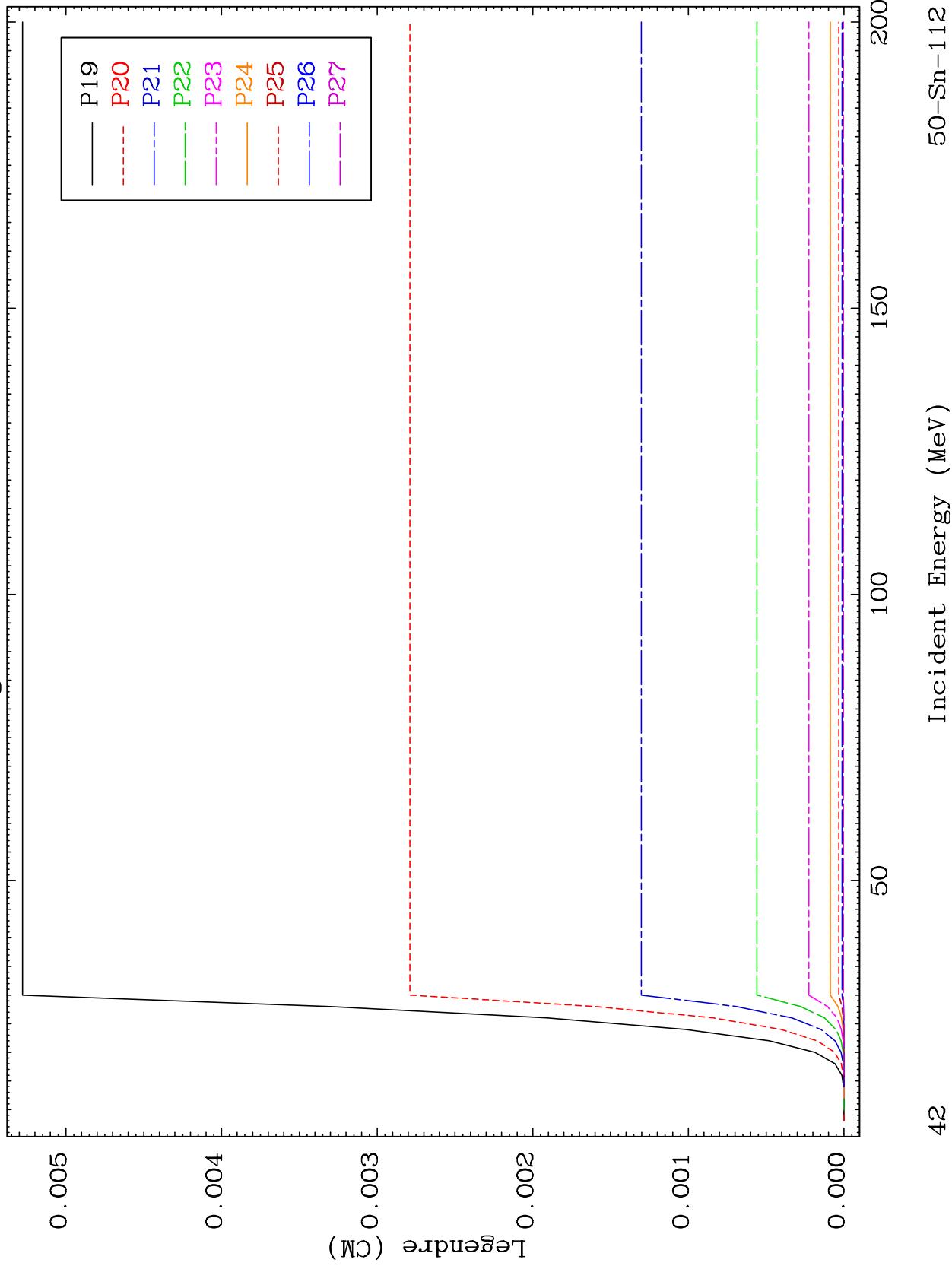
Incident Energy (MeV)

50-Sn-112

MAT 5025

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

50-Sn-112



42

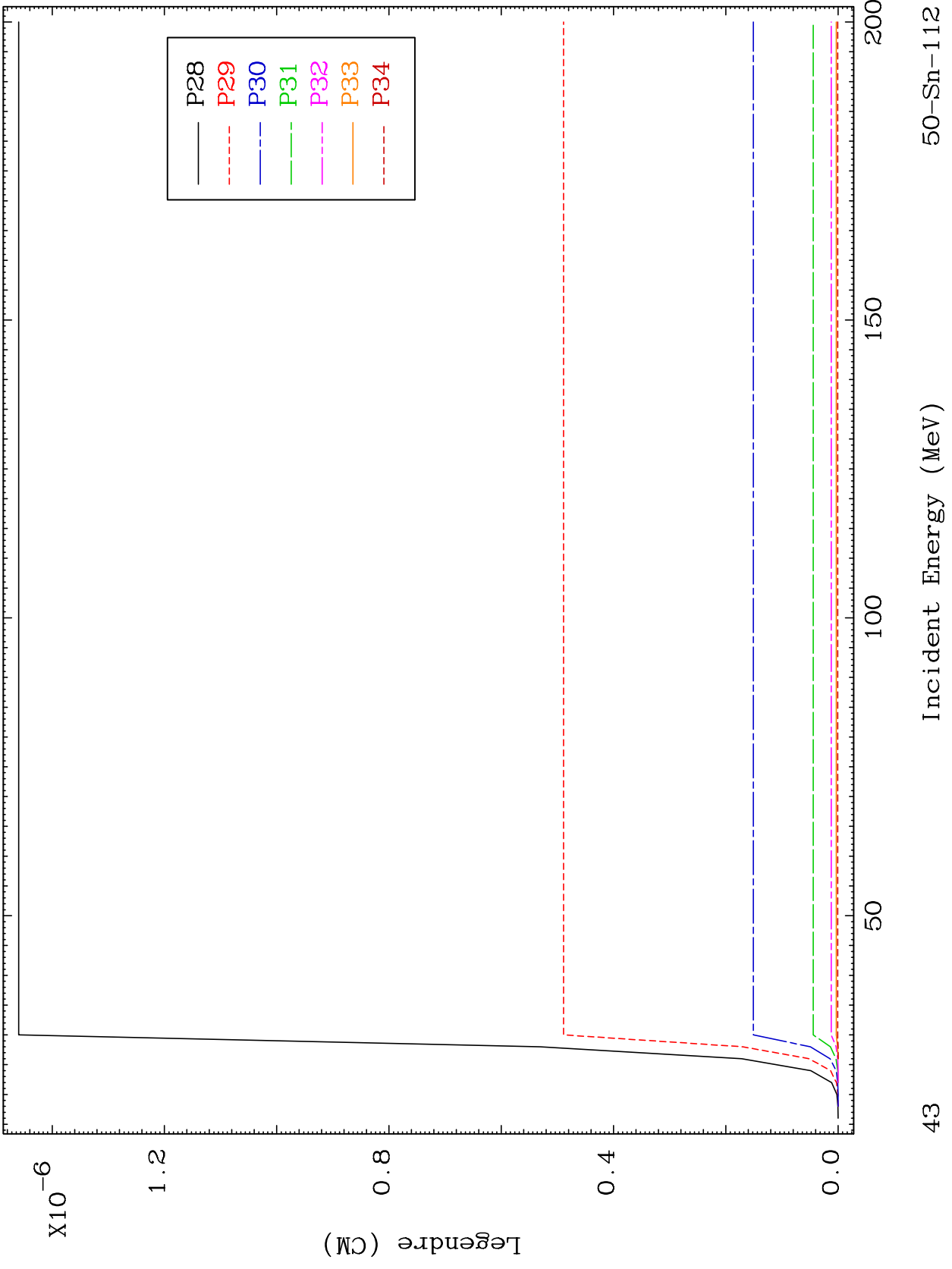
Incident Energy (MeV)

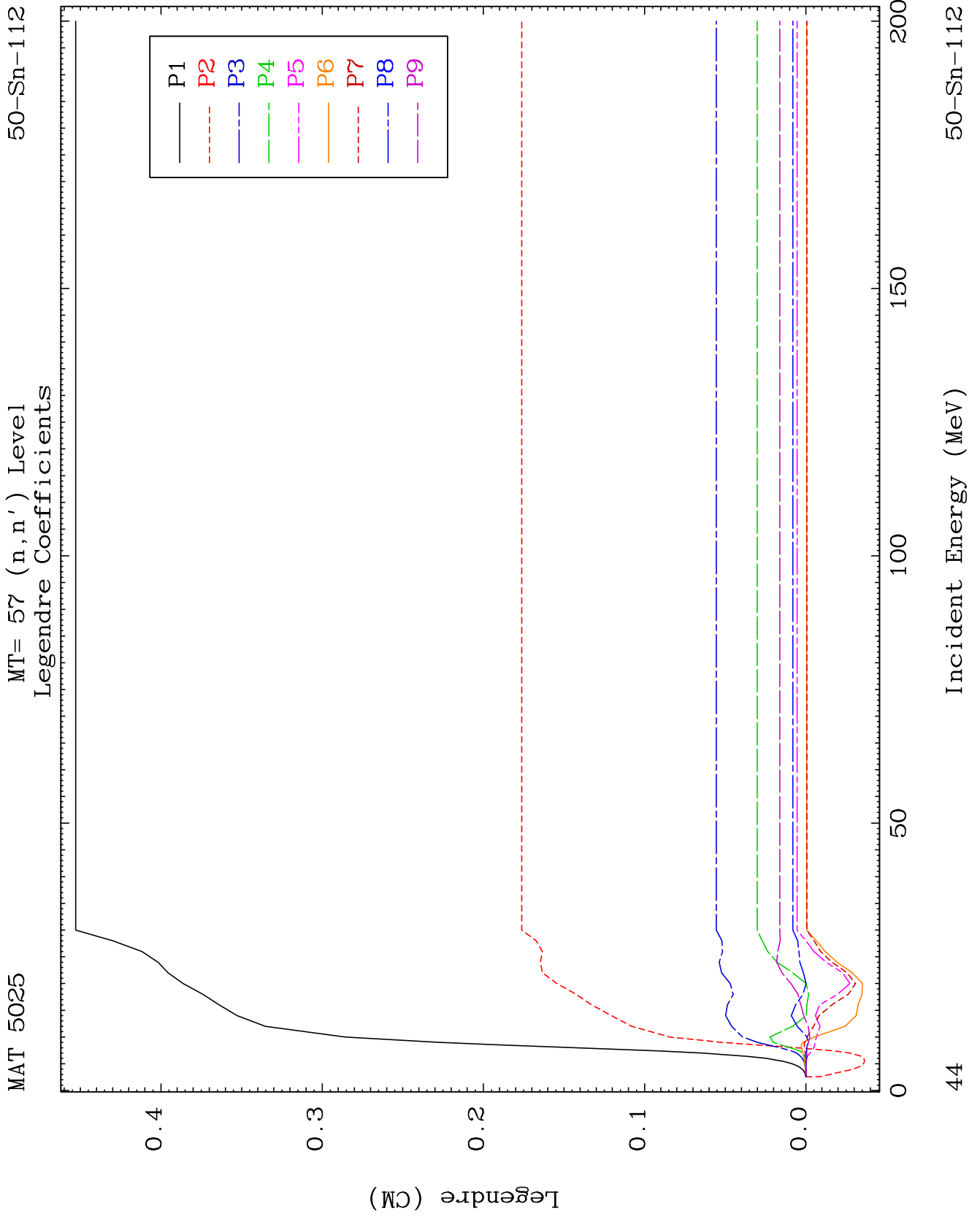
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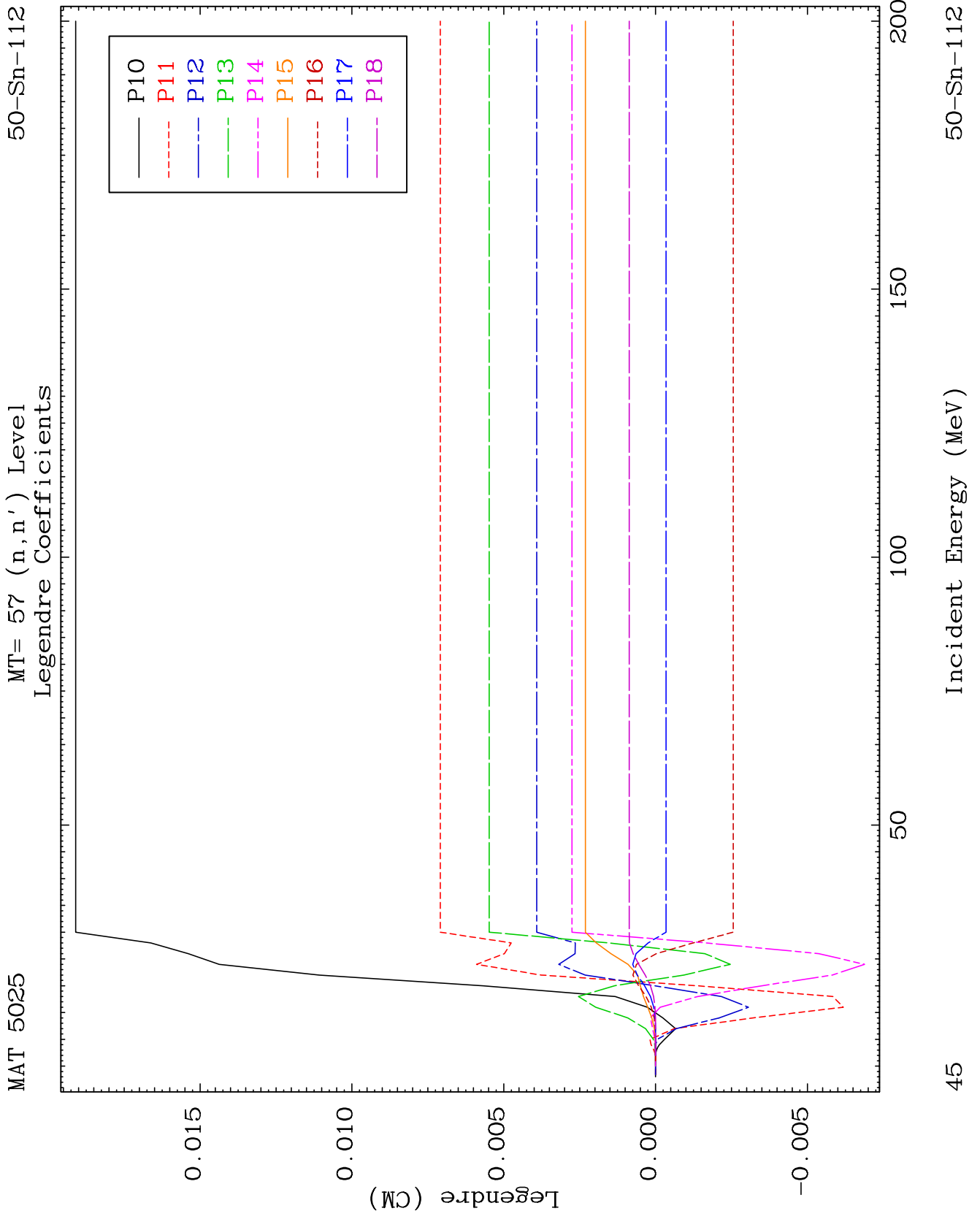
MAT 5025

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

50-Sn-112



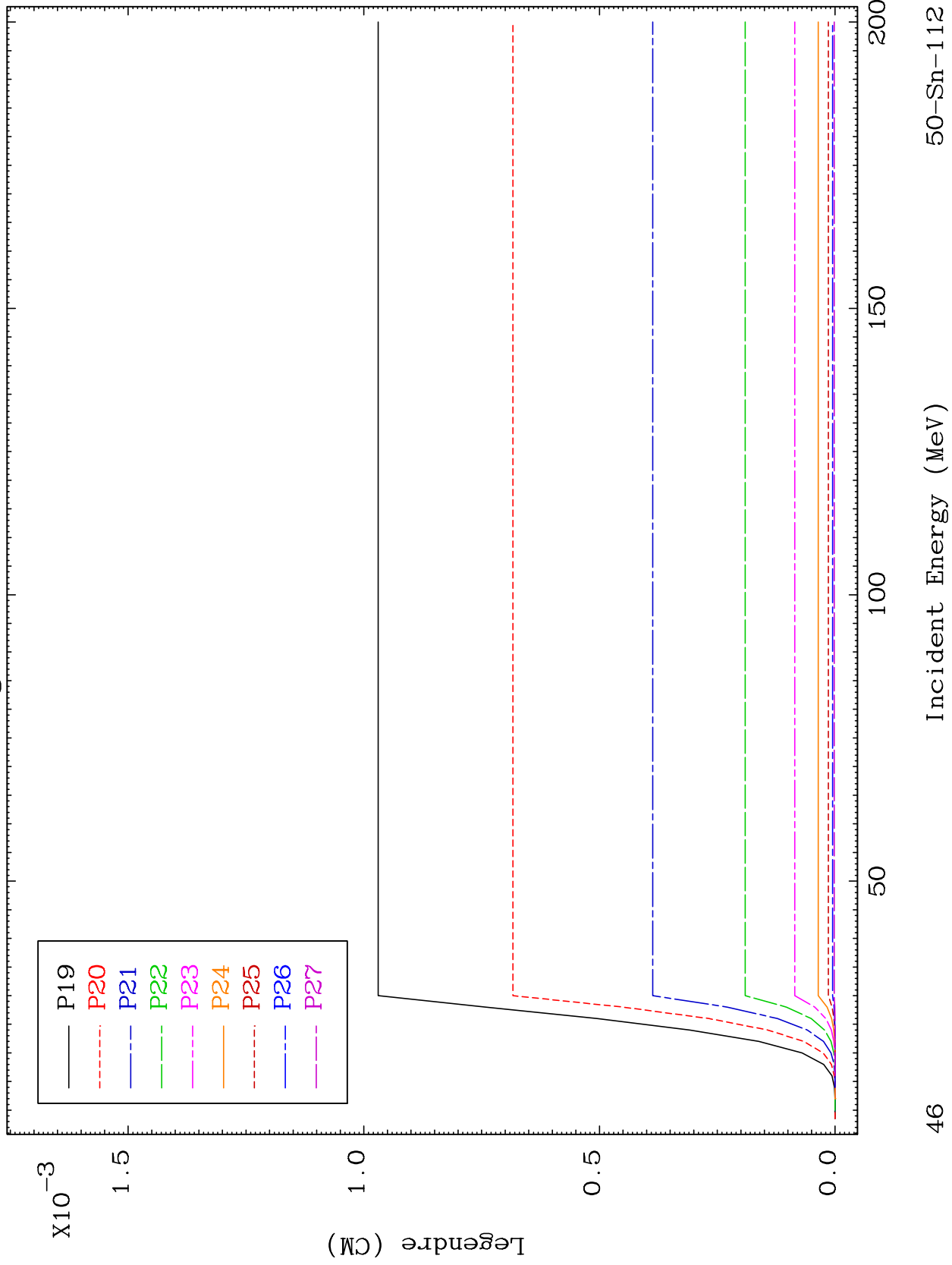




MAT 5025

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

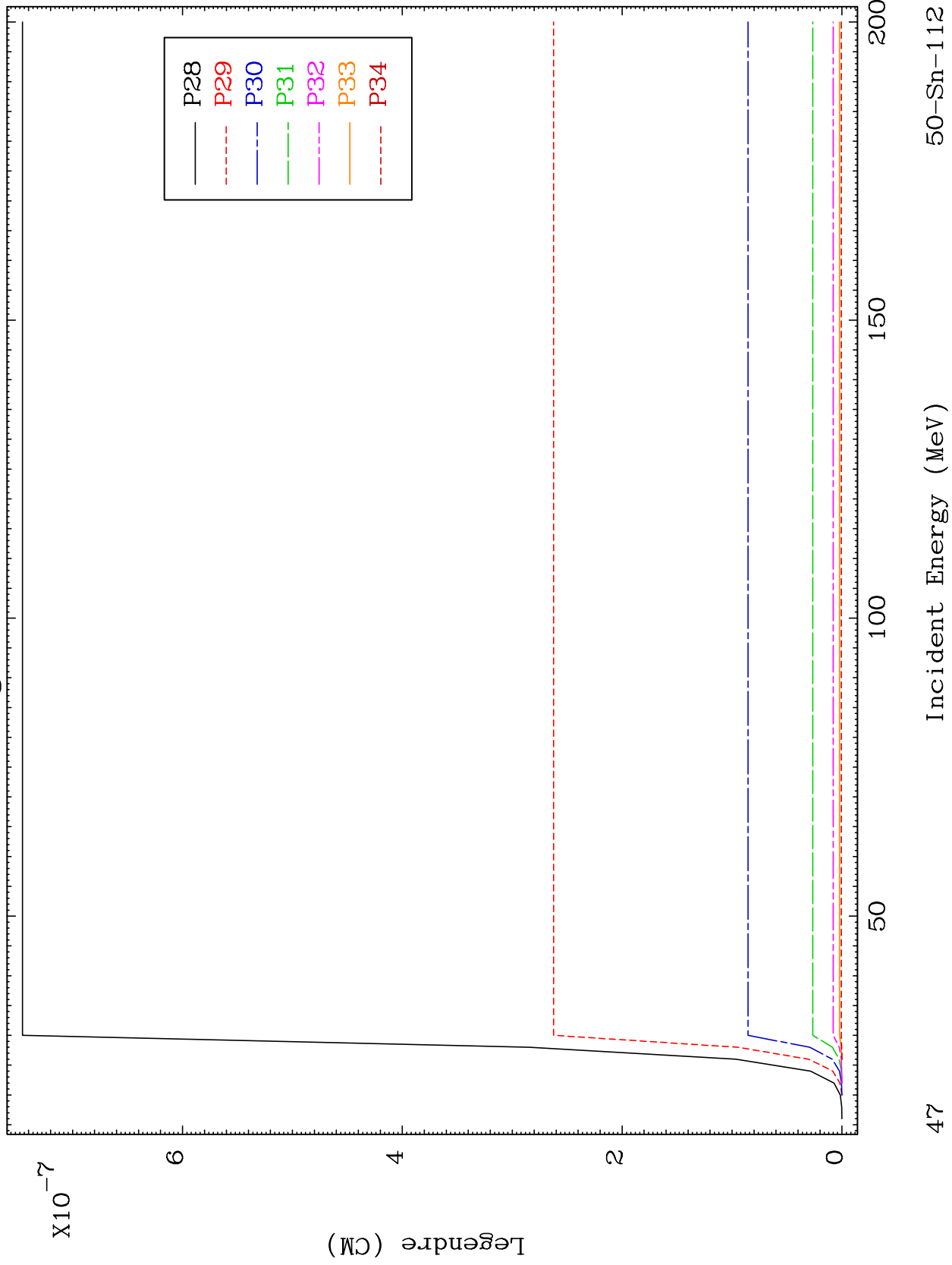
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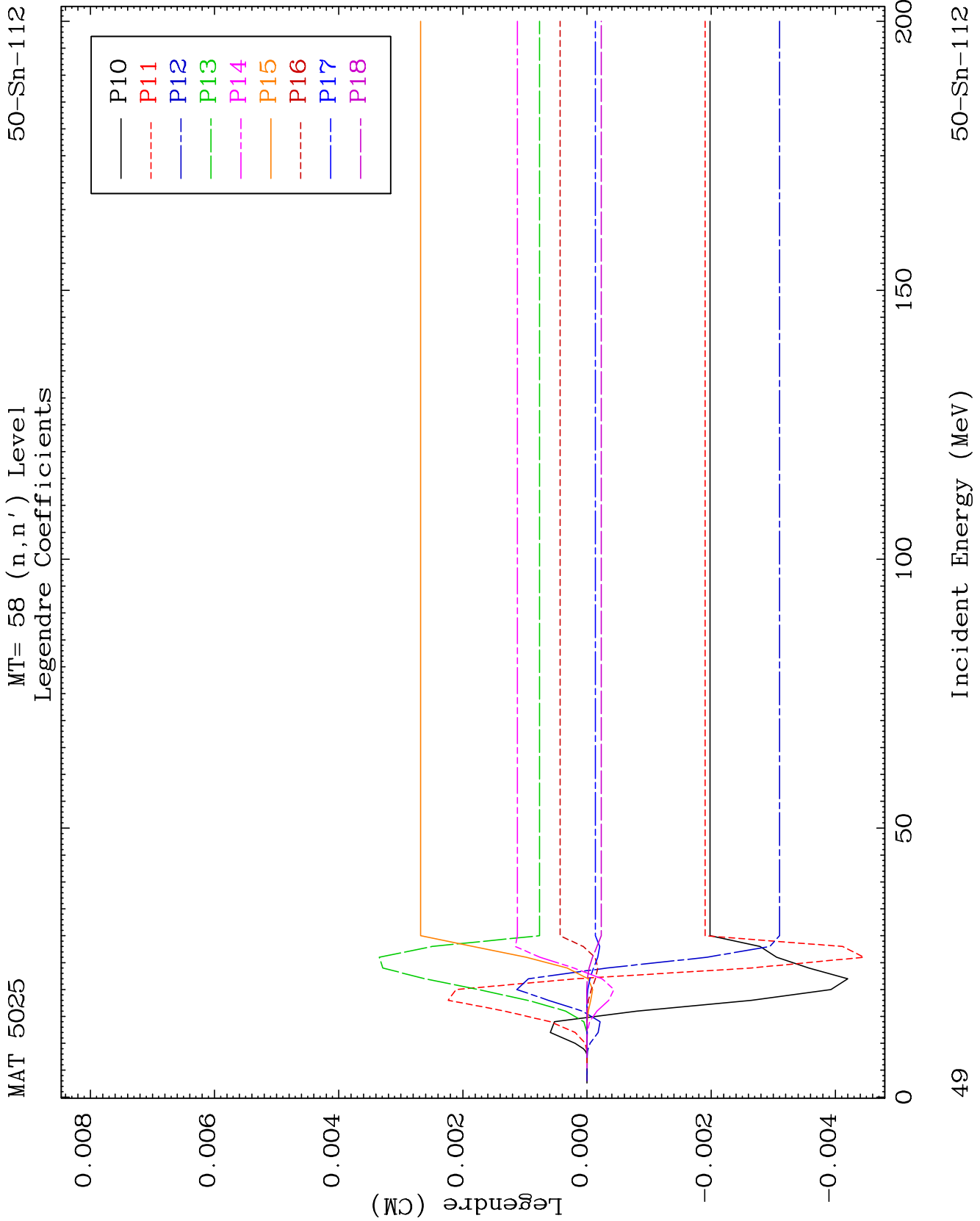


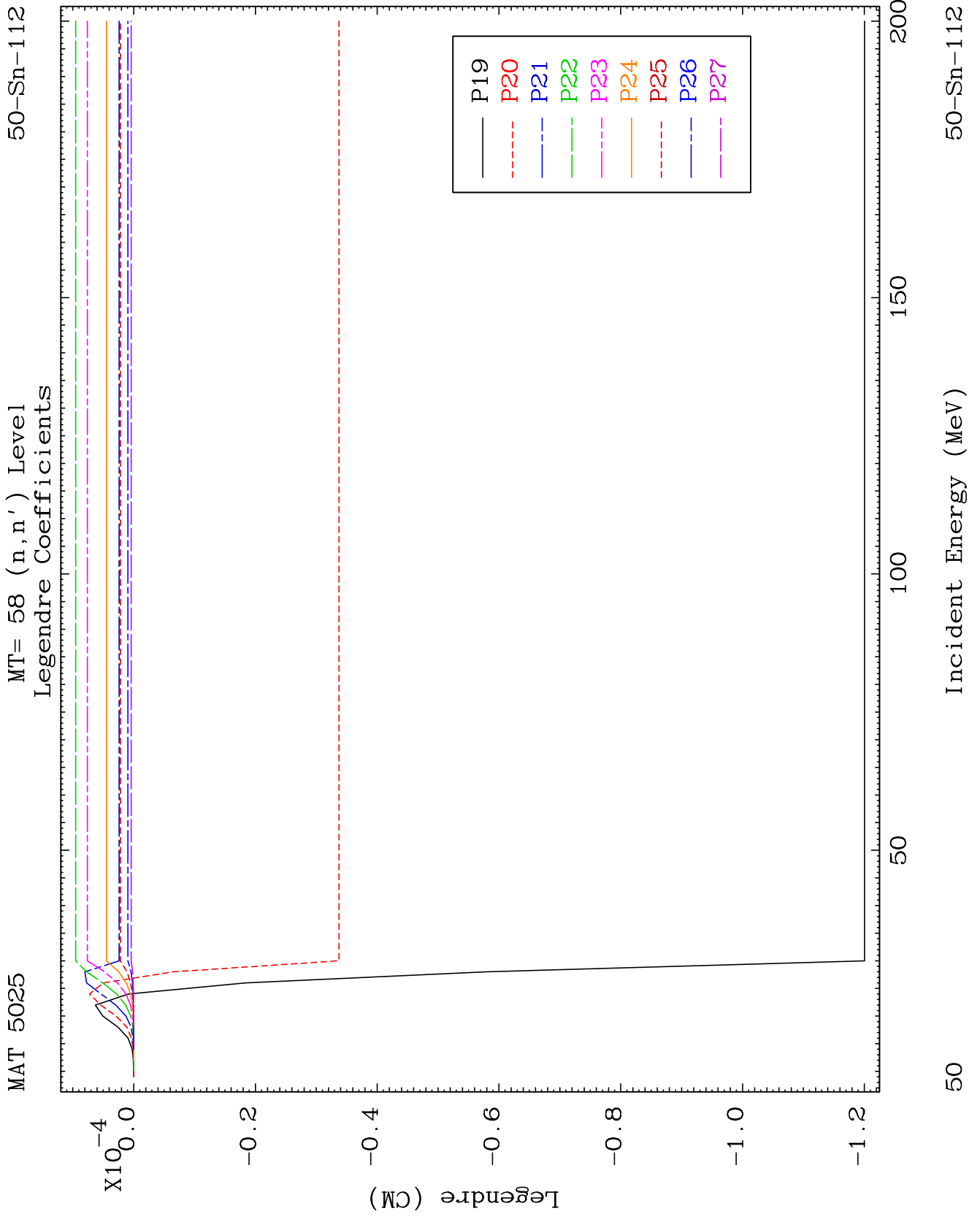
MAT 5025

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

50-Sn-112



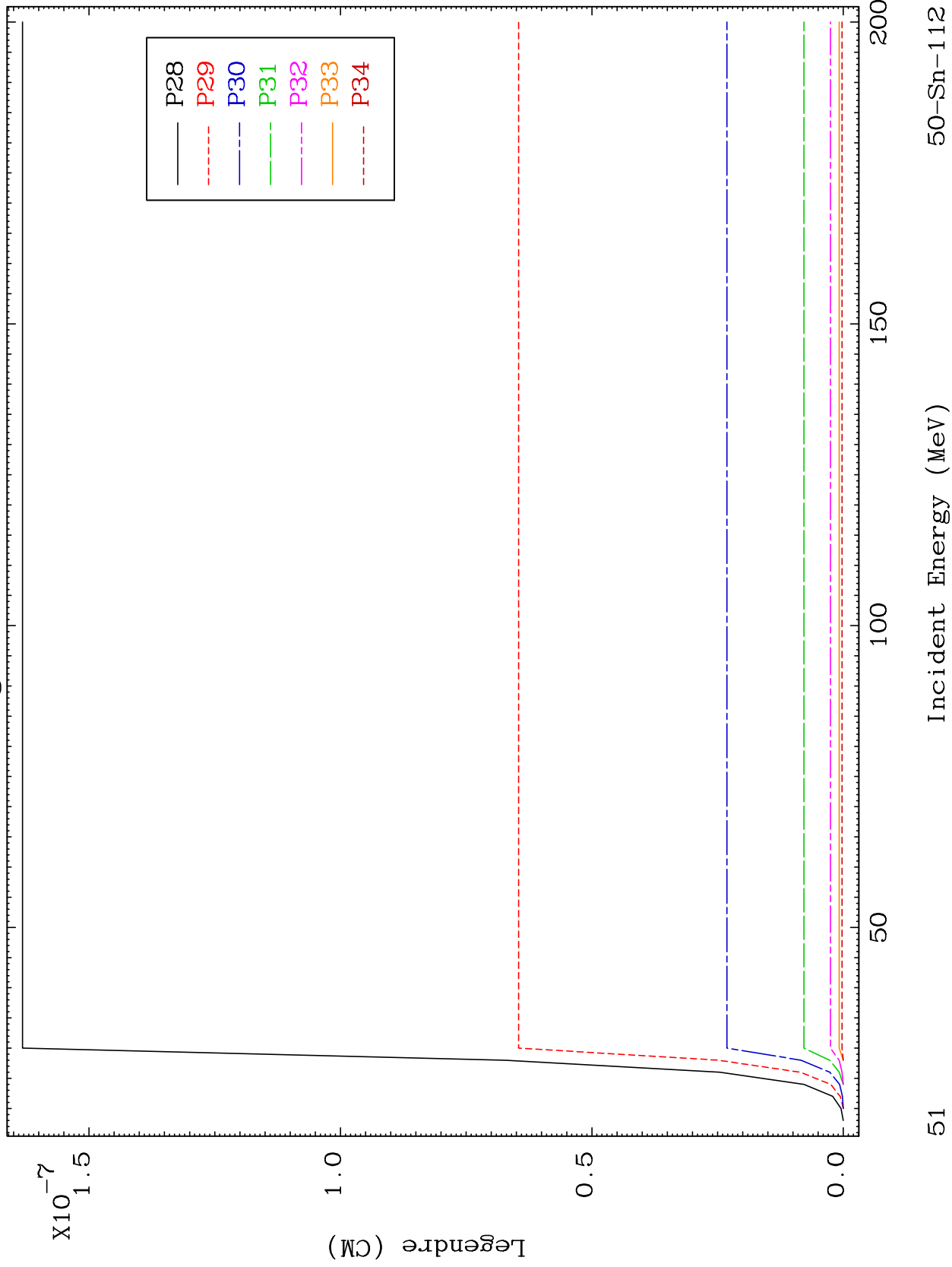




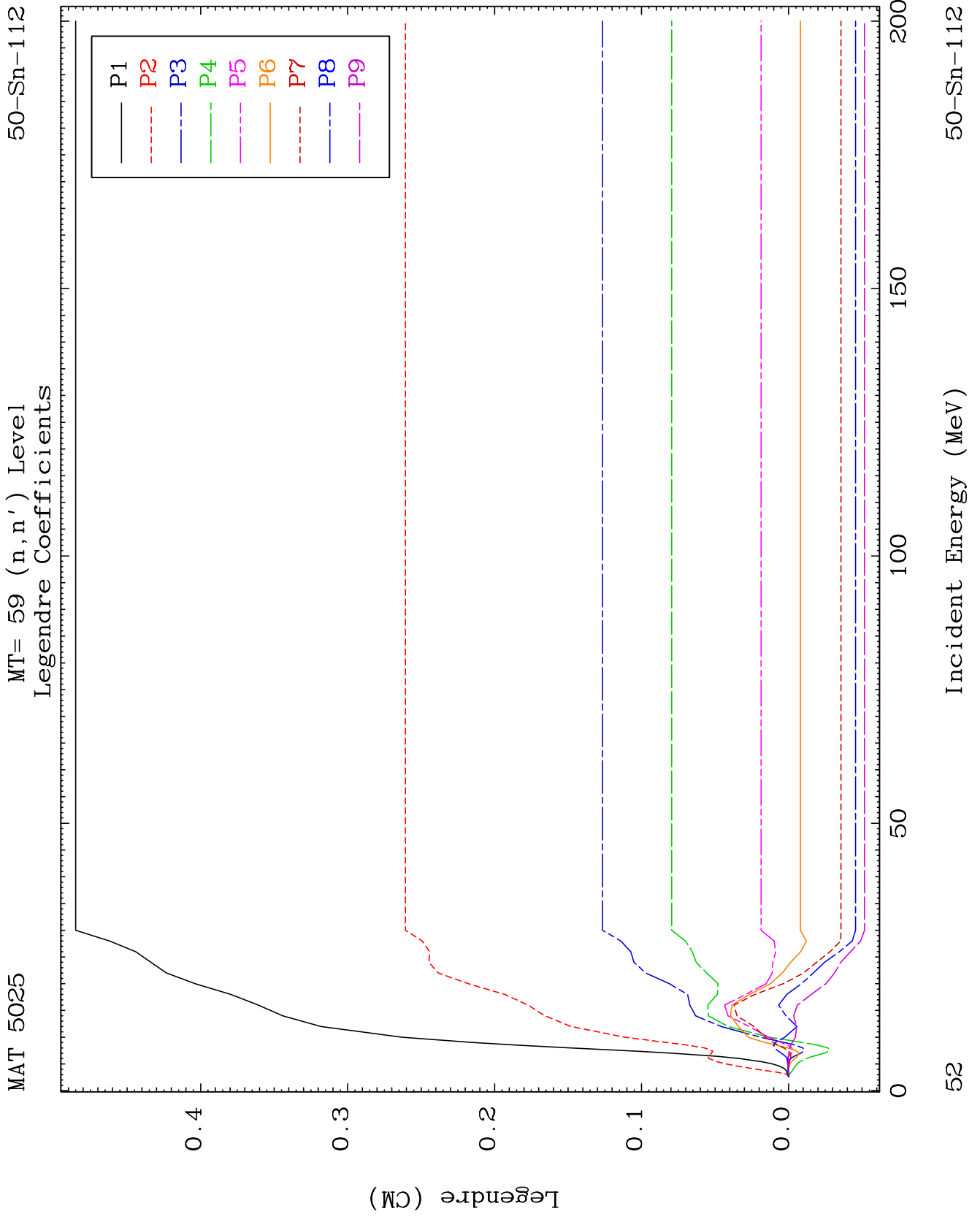
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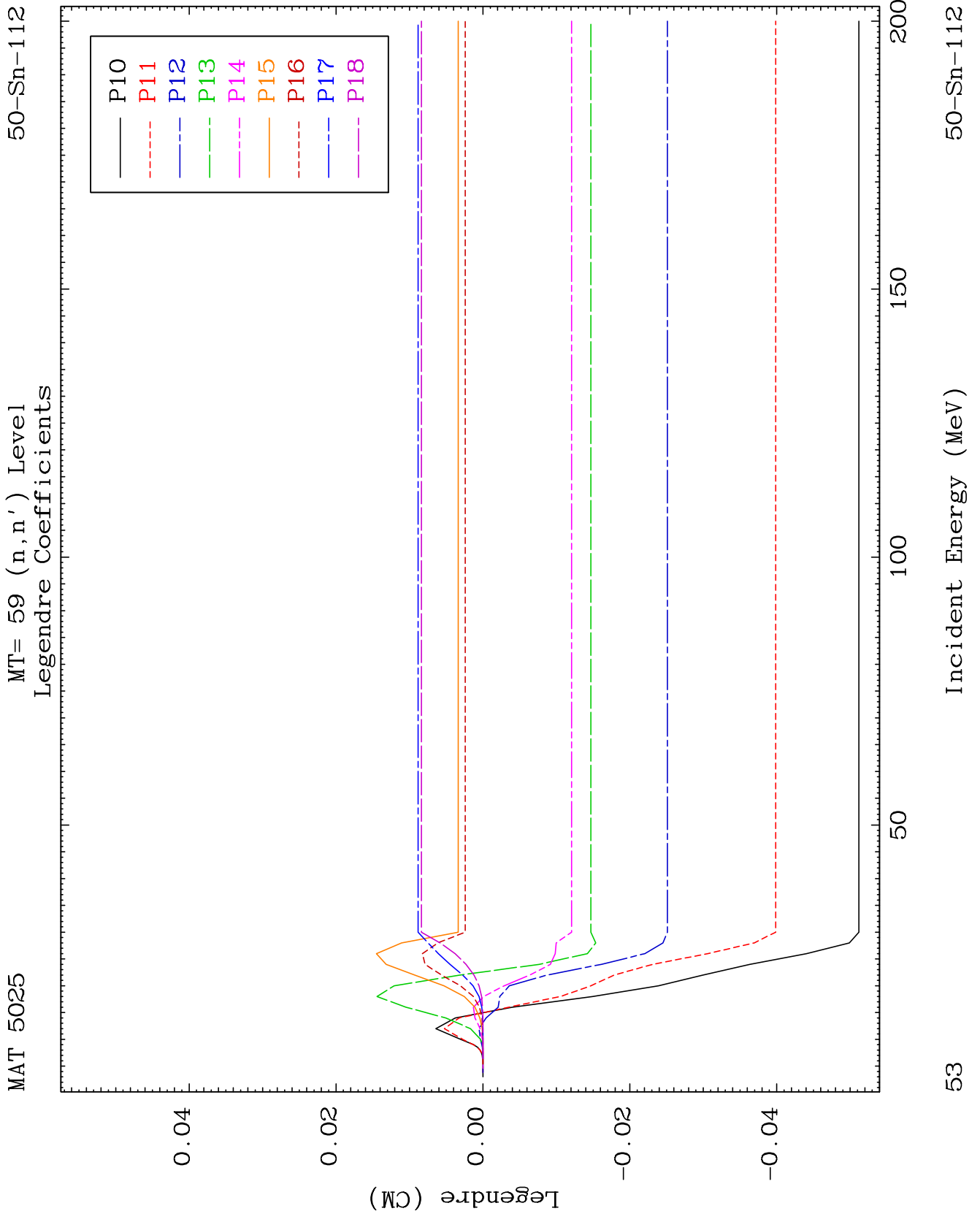
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Legendre Coefficients

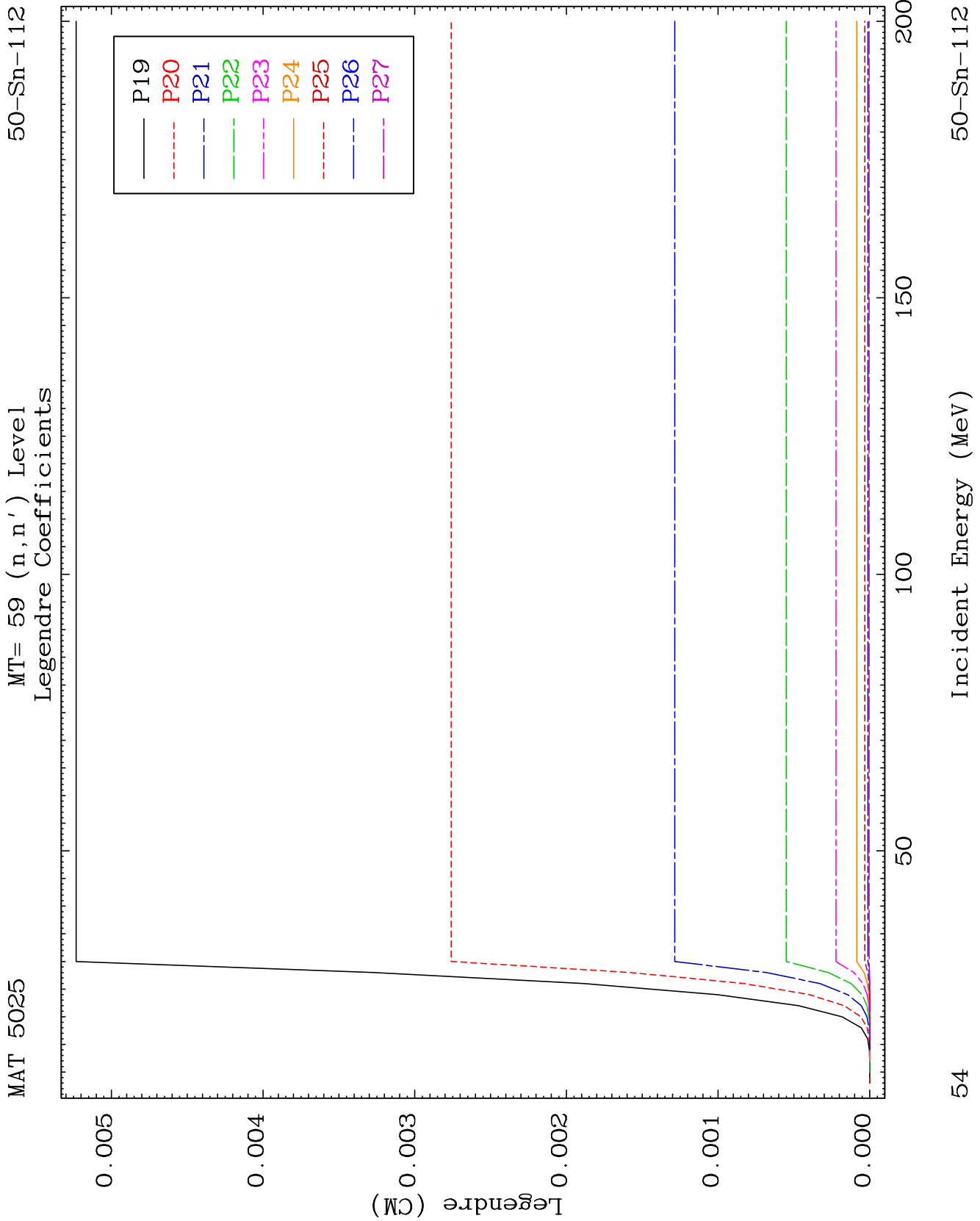
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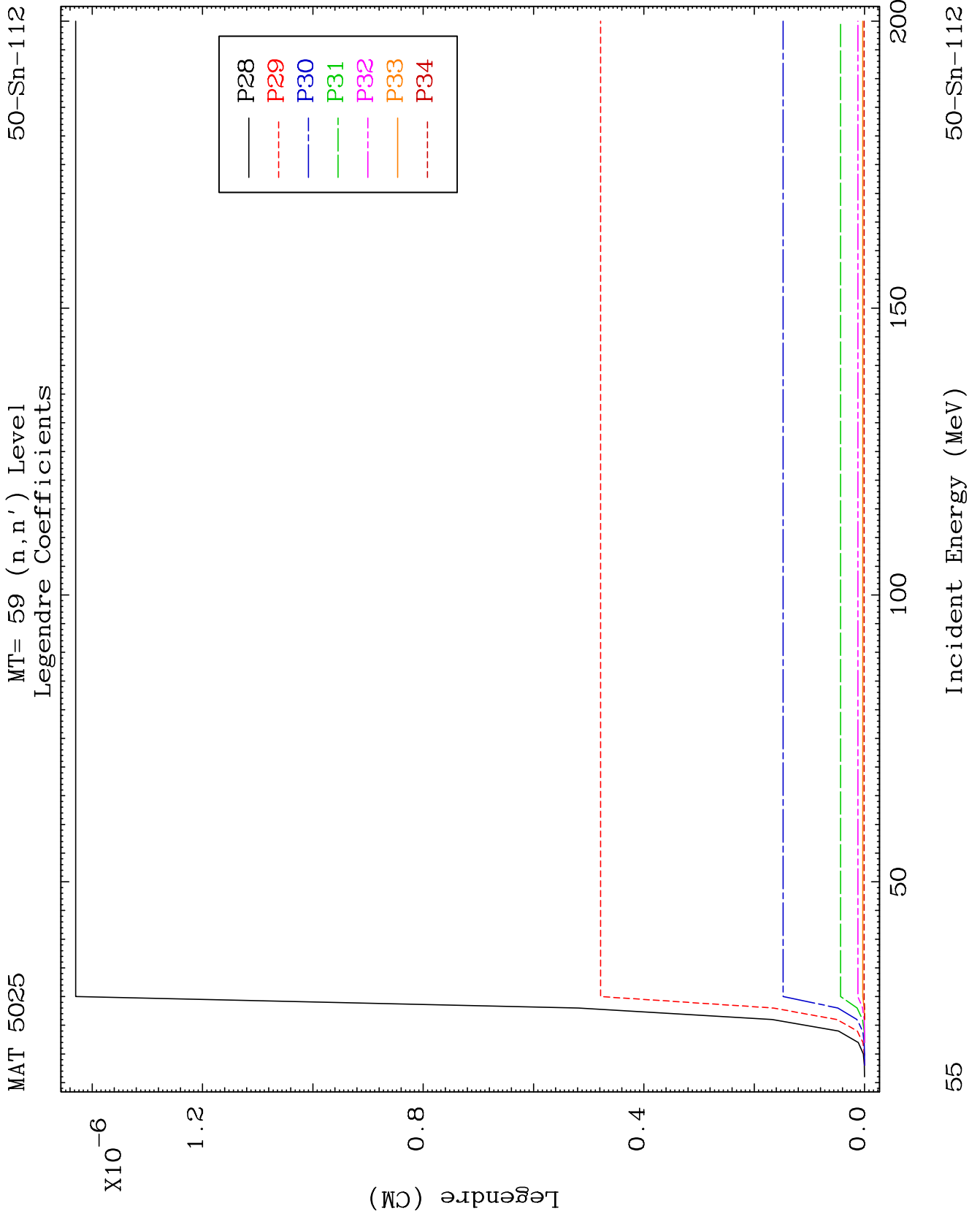


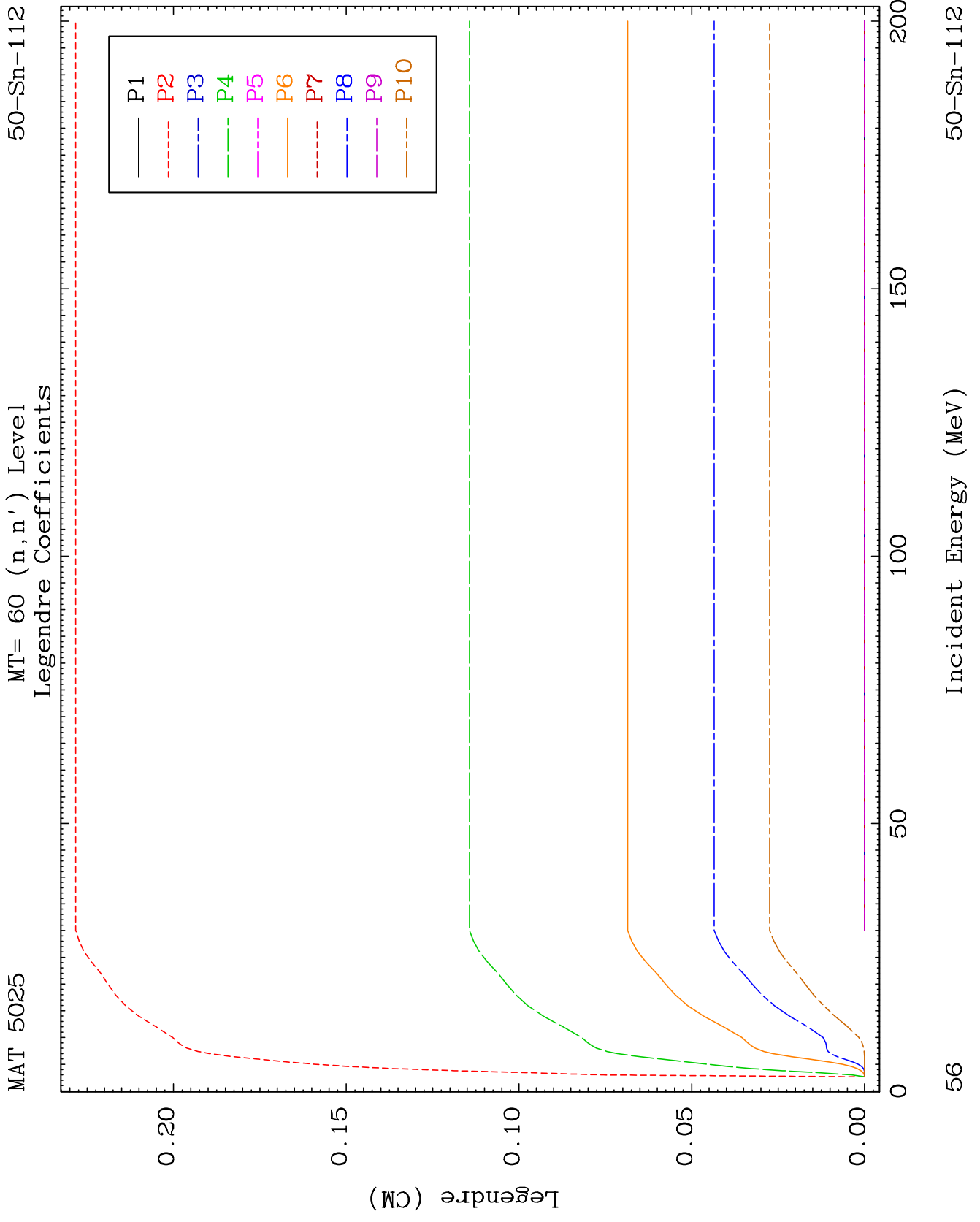
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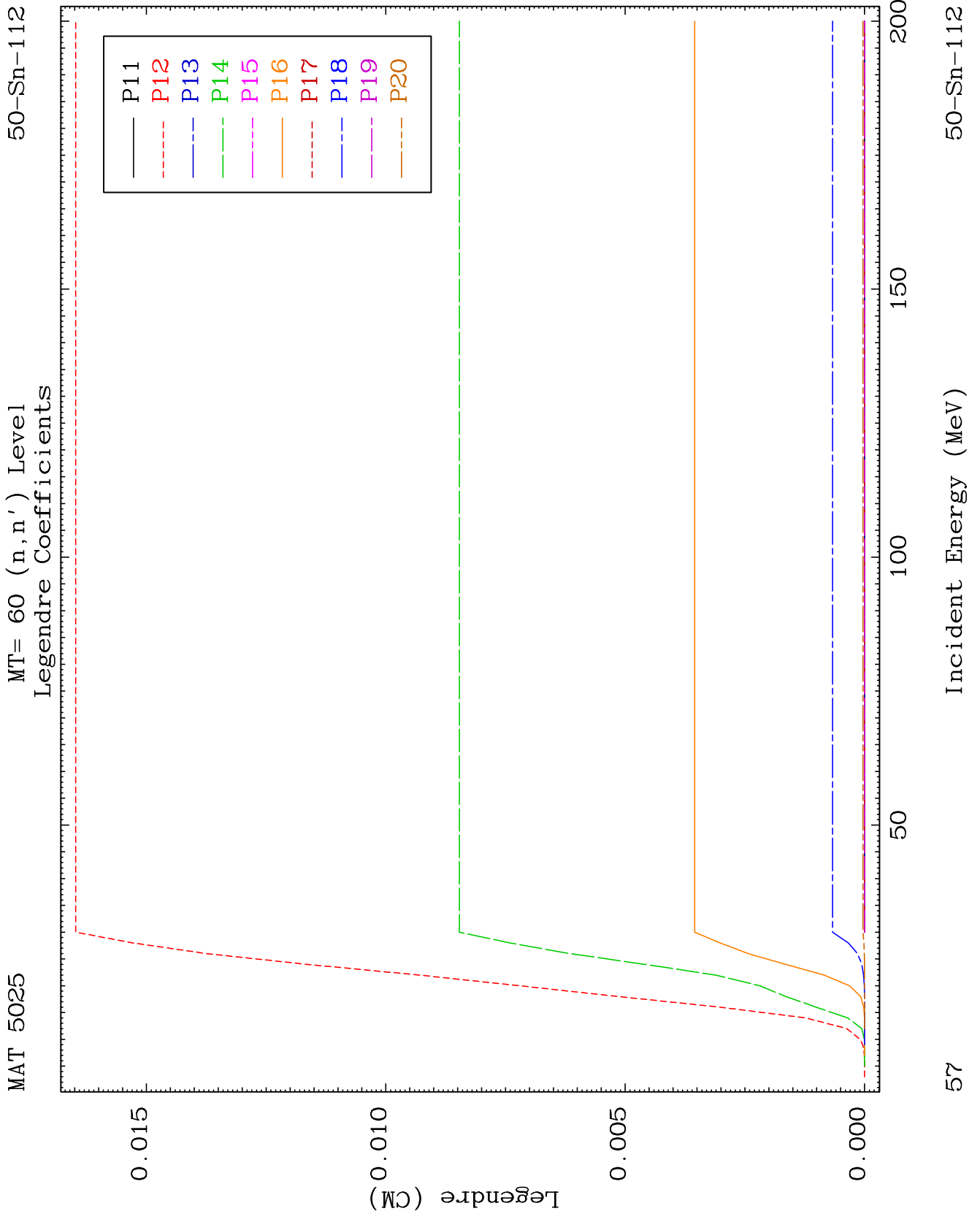


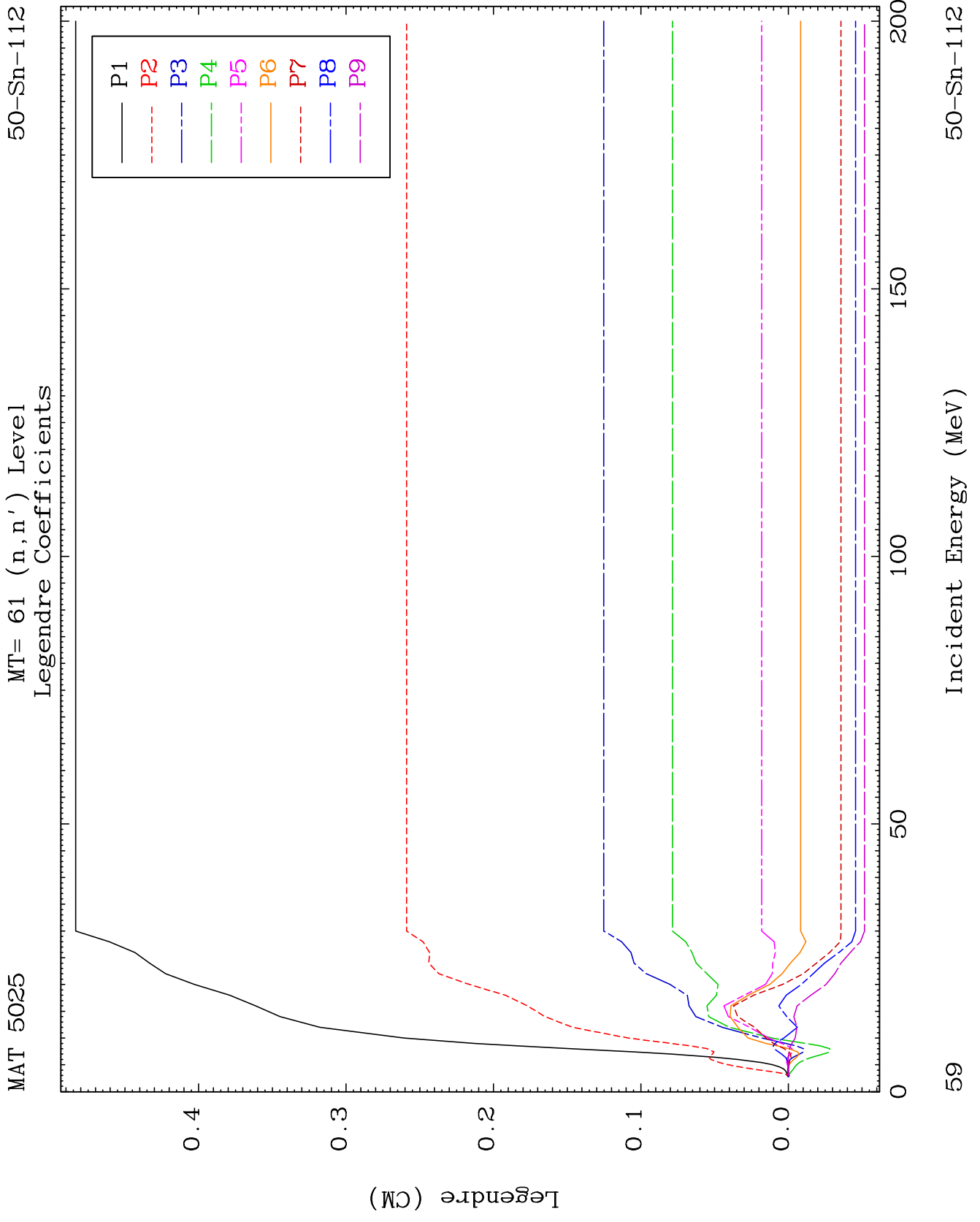


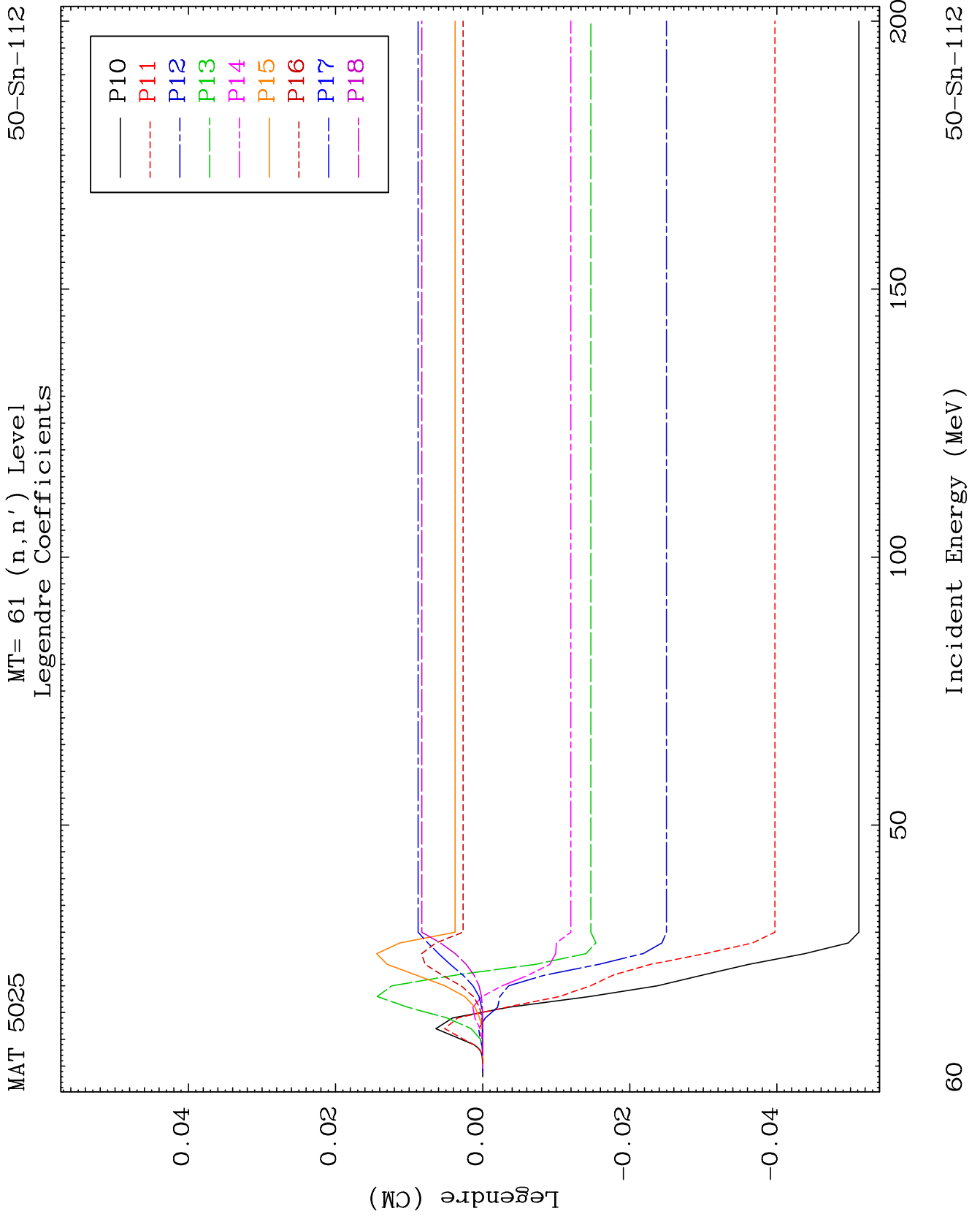


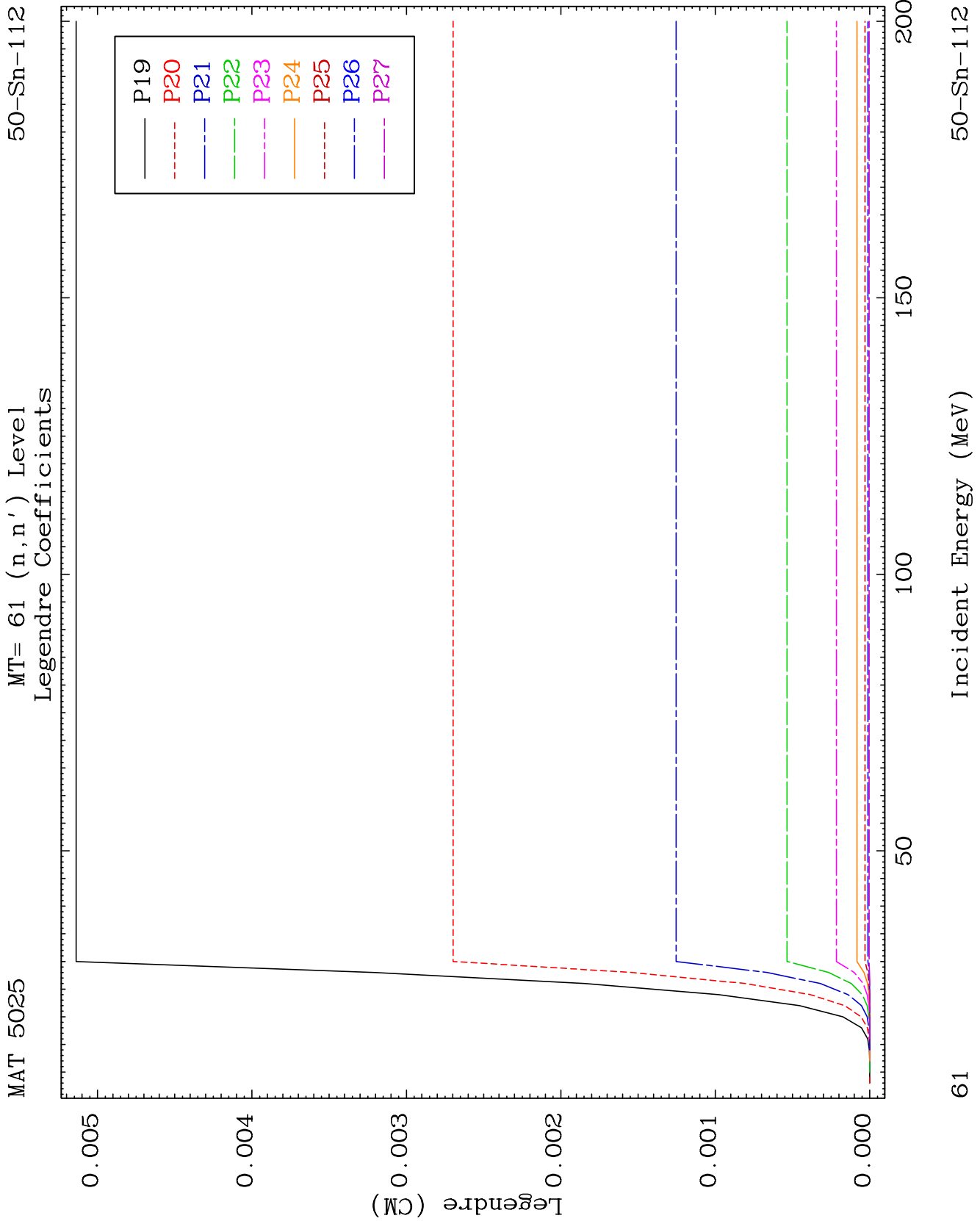




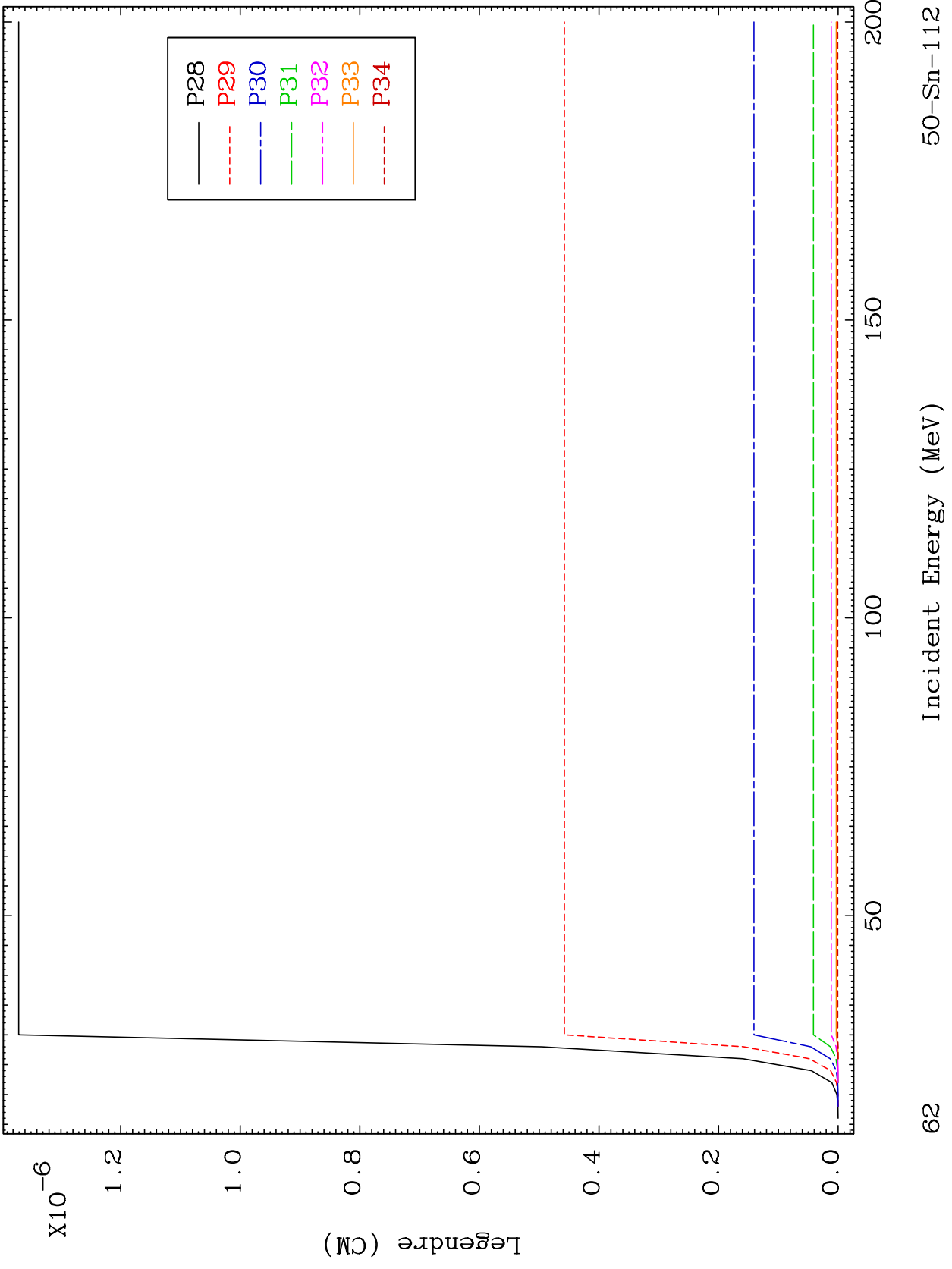


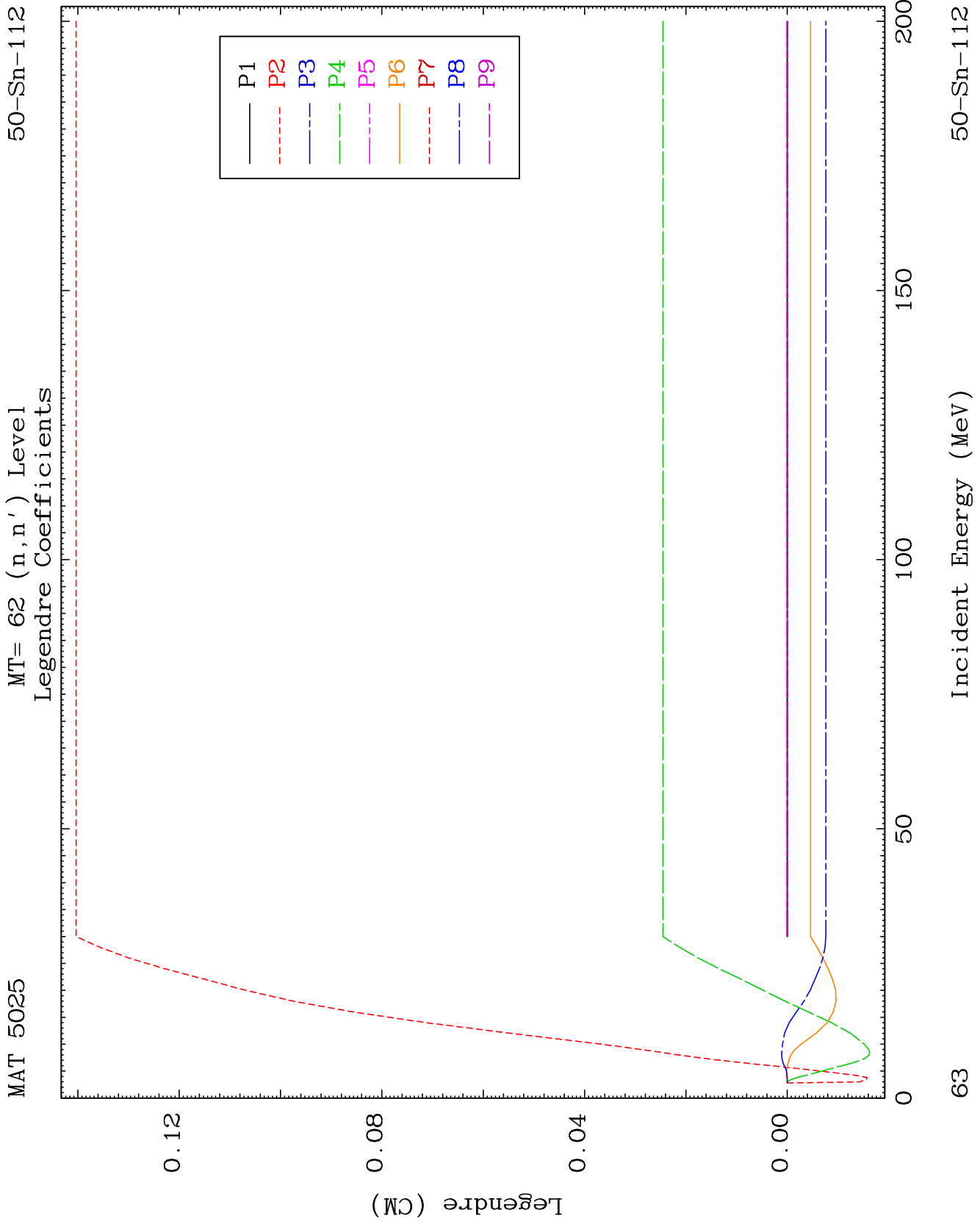






MAT 5025 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-112





50-Sn-112

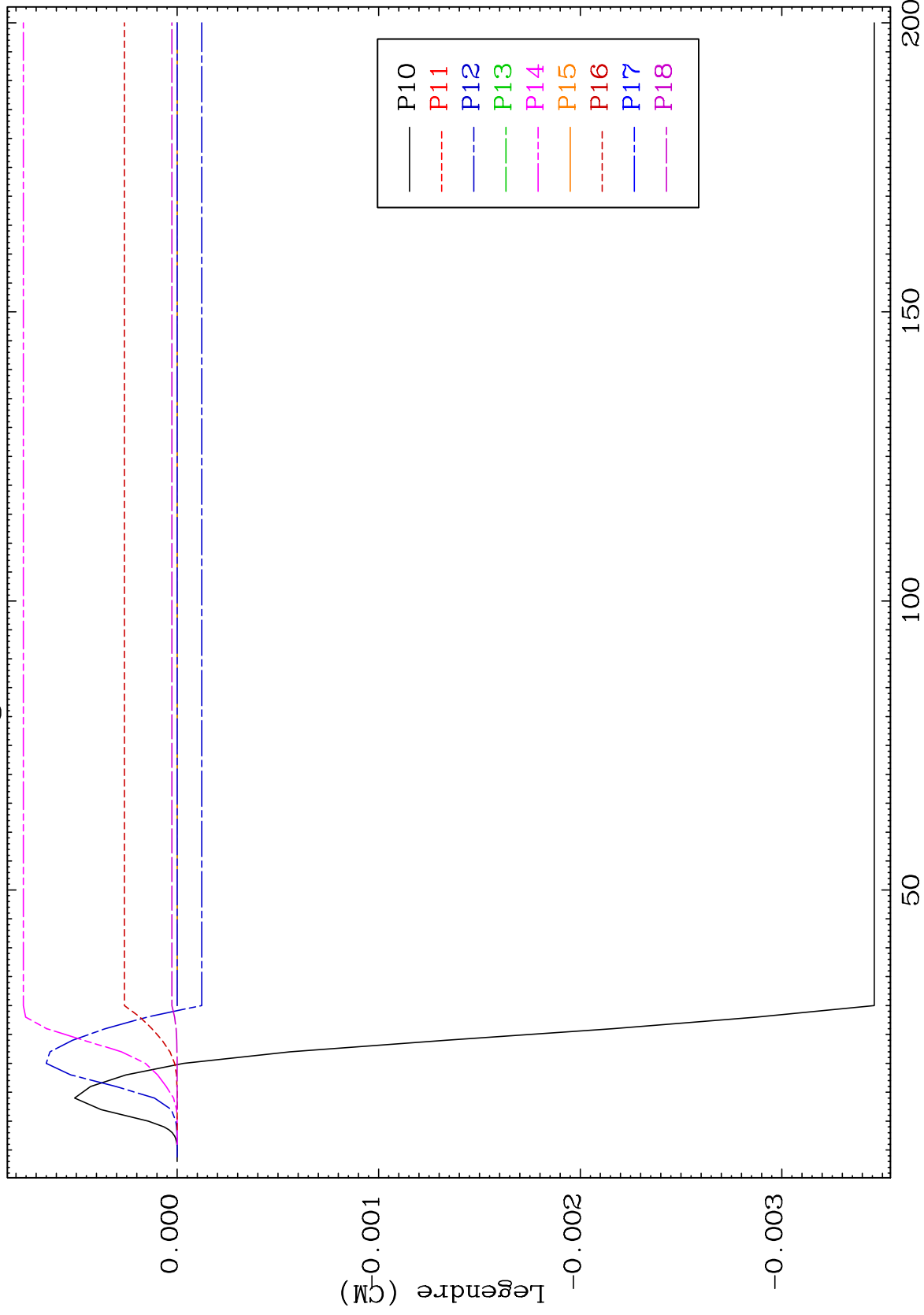
Incident Energy (MeV)

63

MAT 5025

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

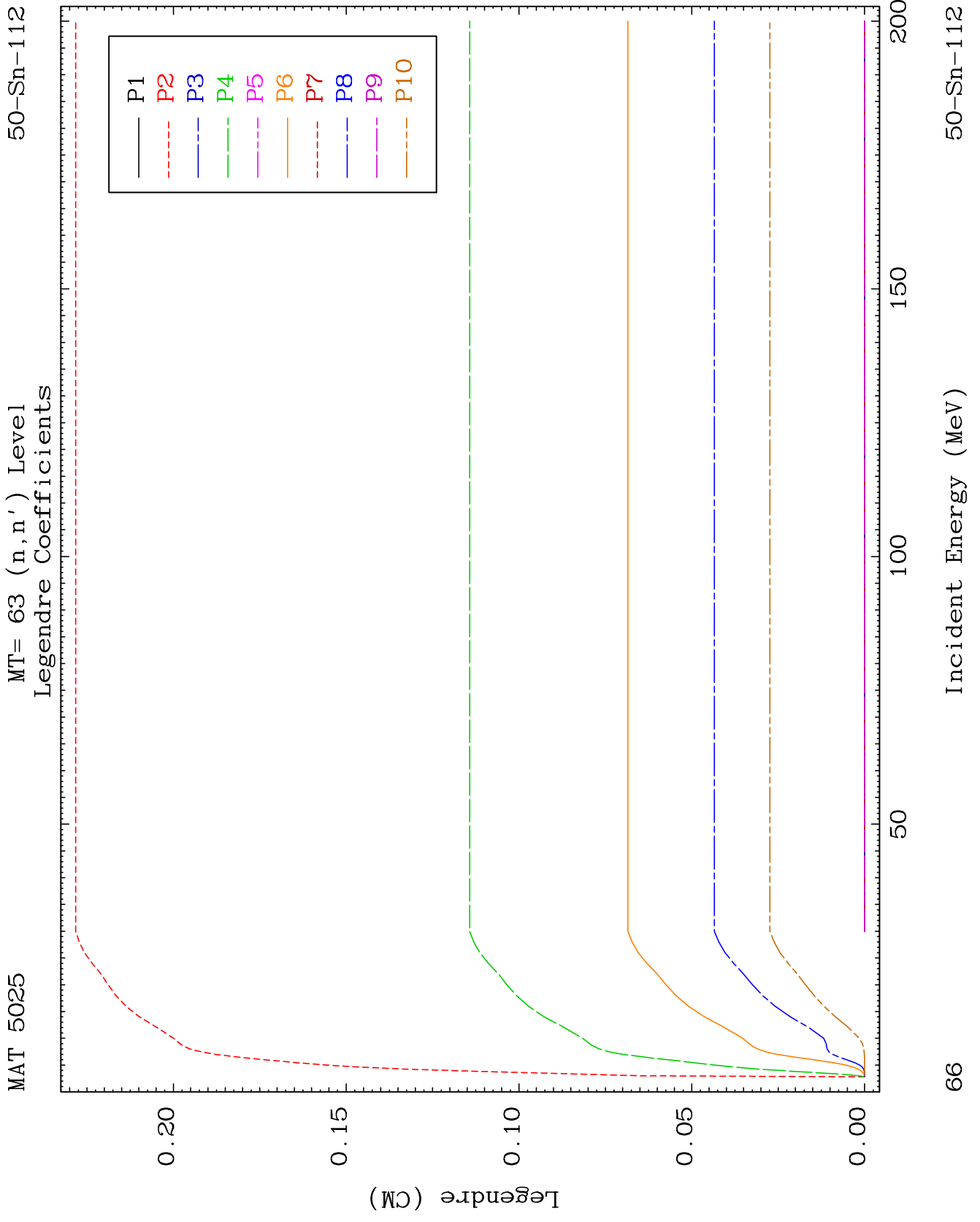
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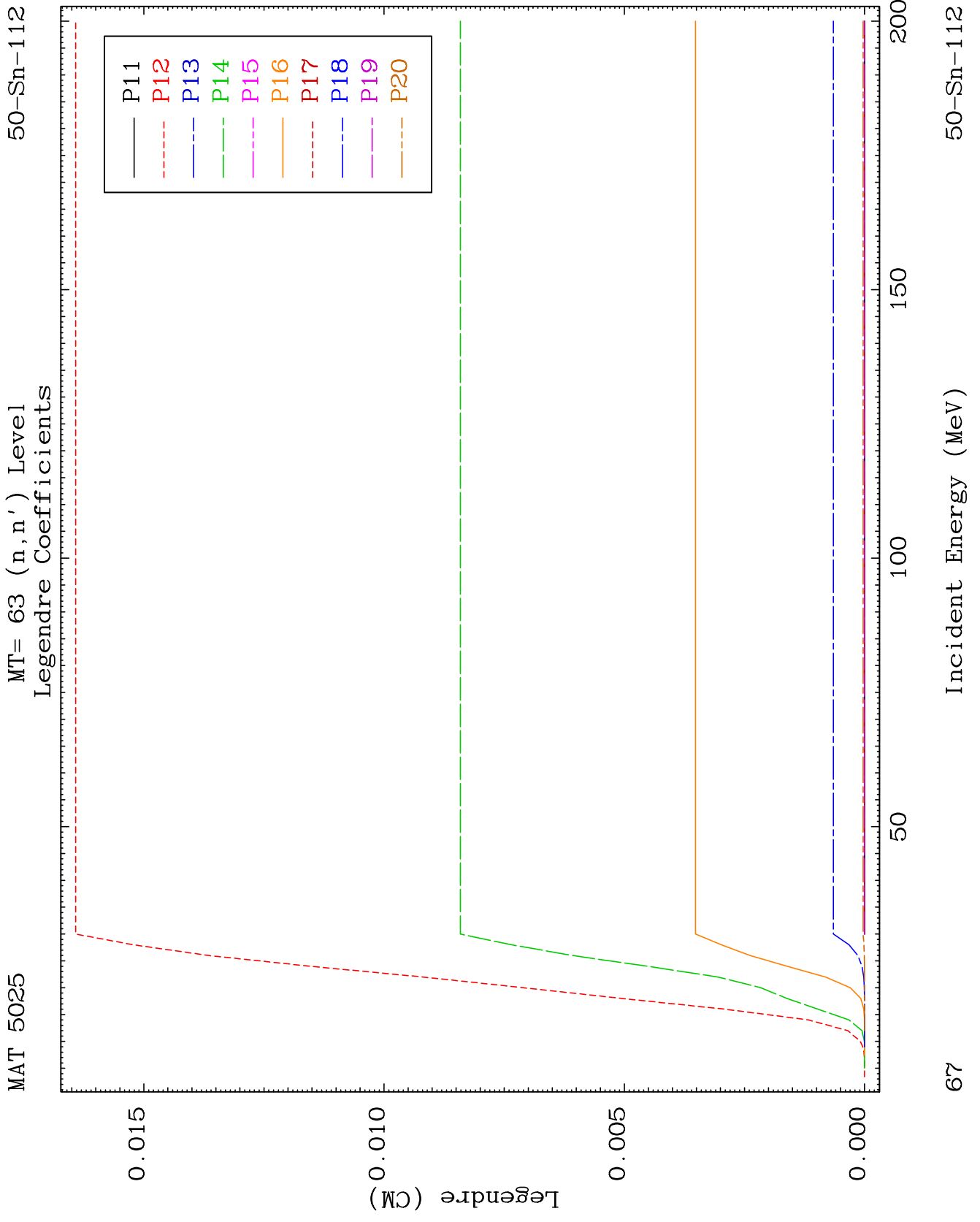


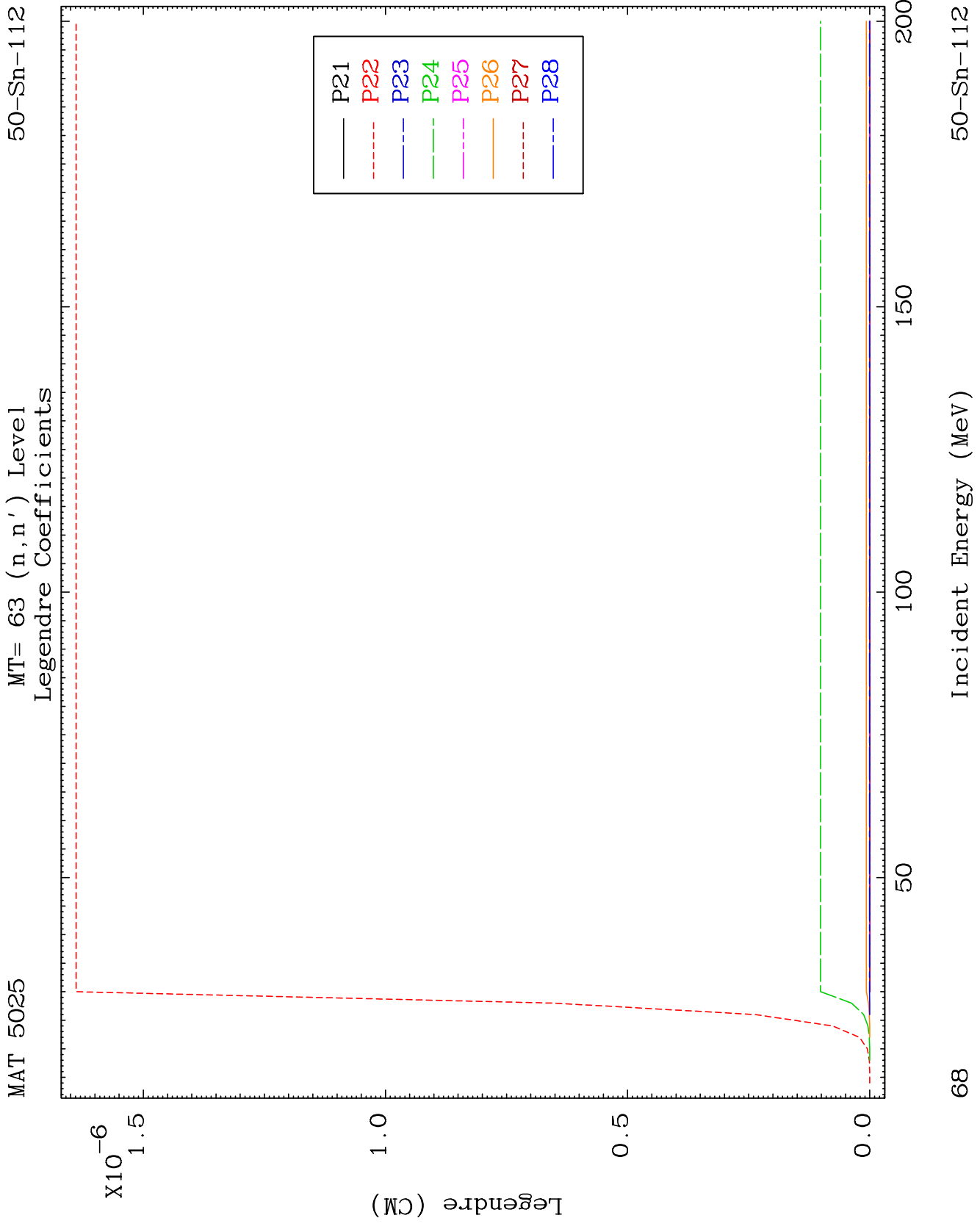
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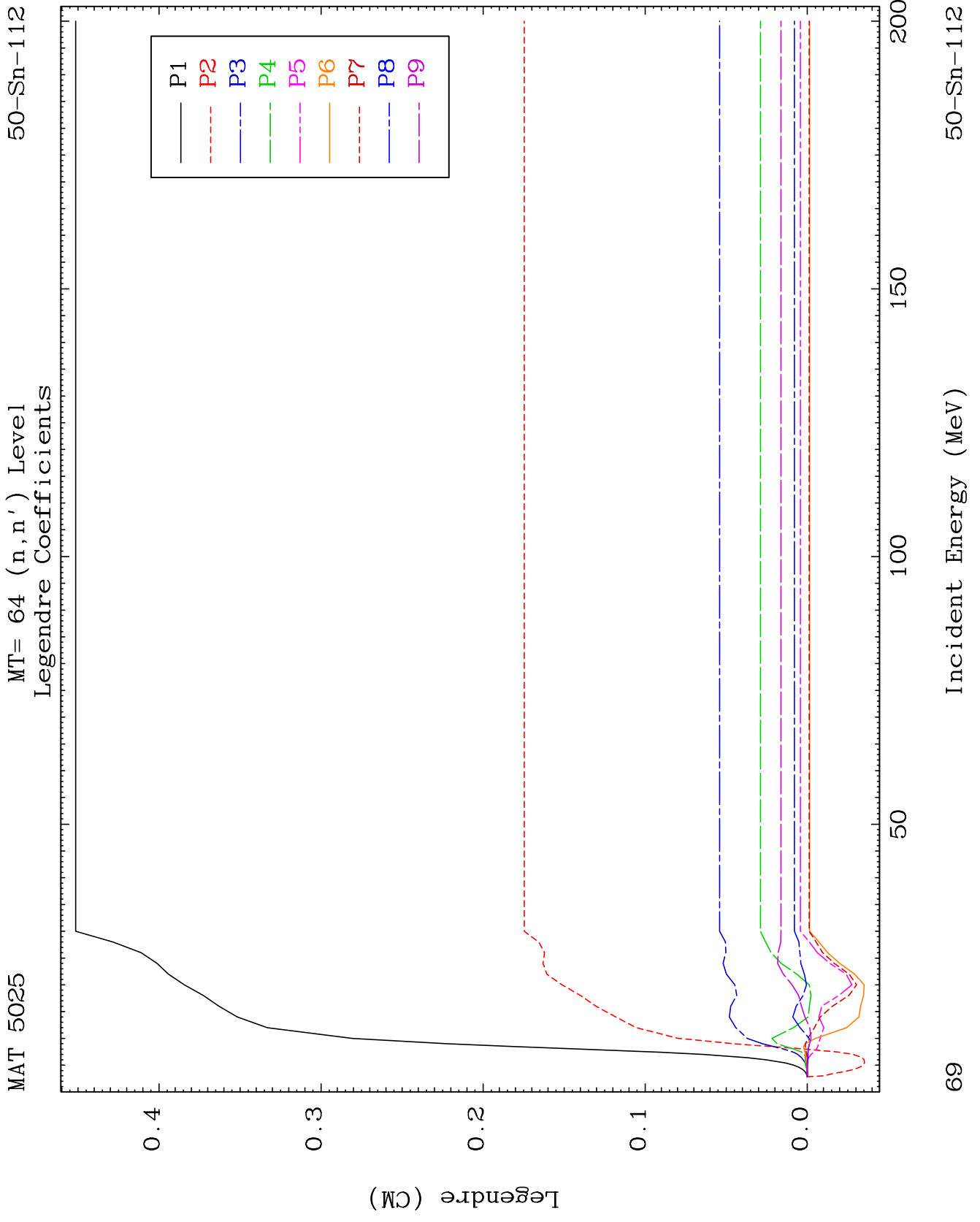
Incident Energy (MeV)

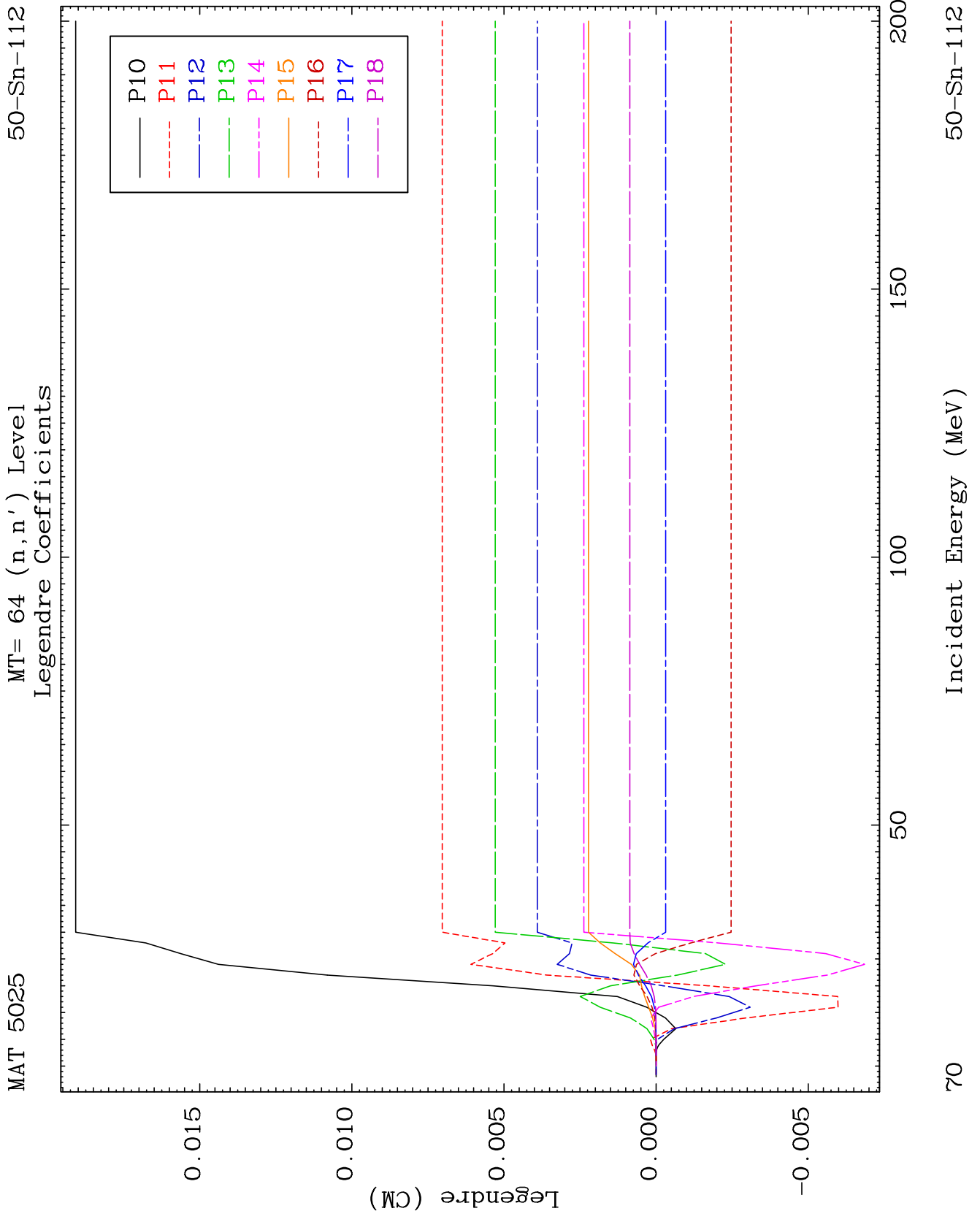
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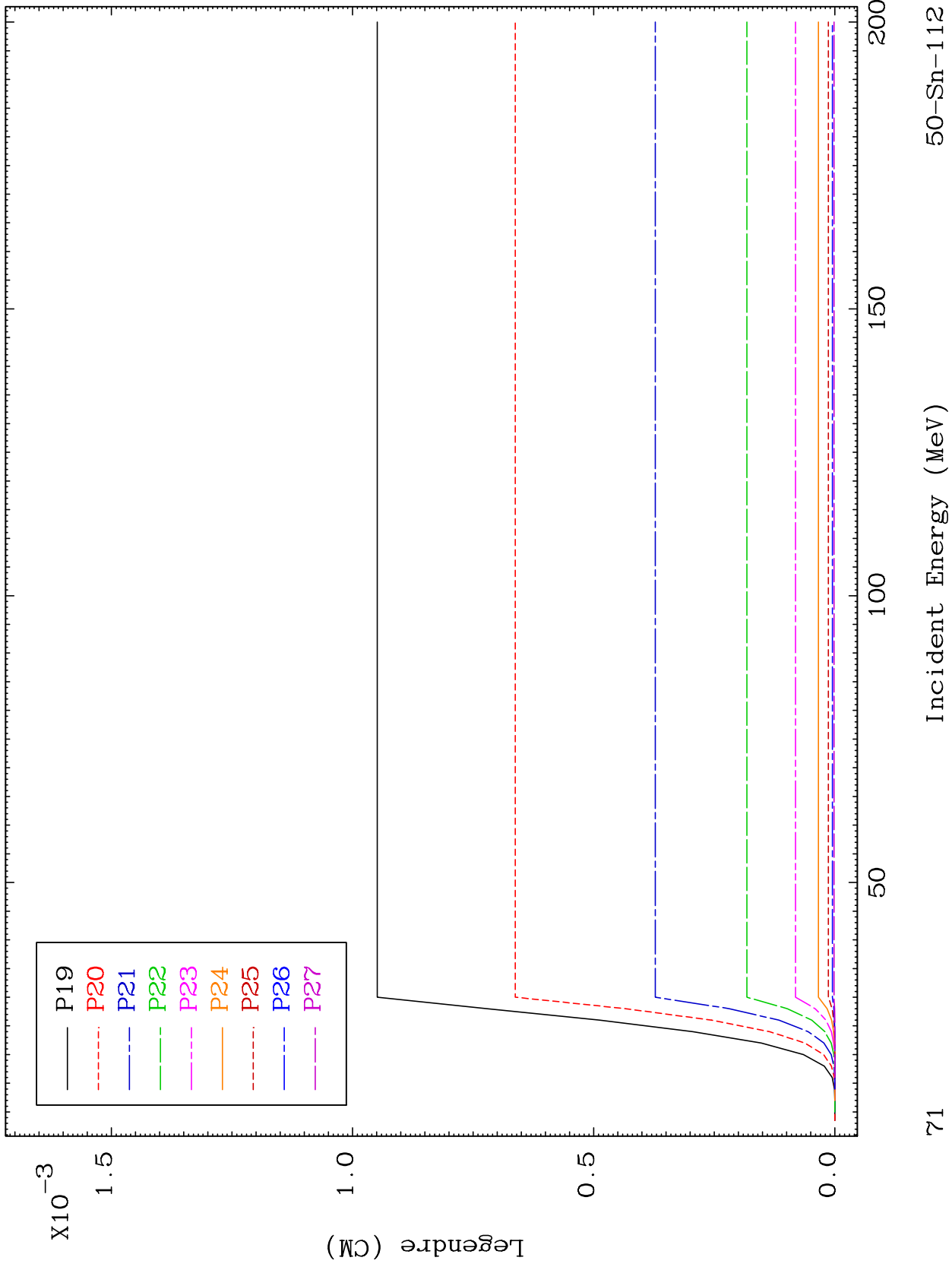




MAT 5025

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

50-Sn-112



71

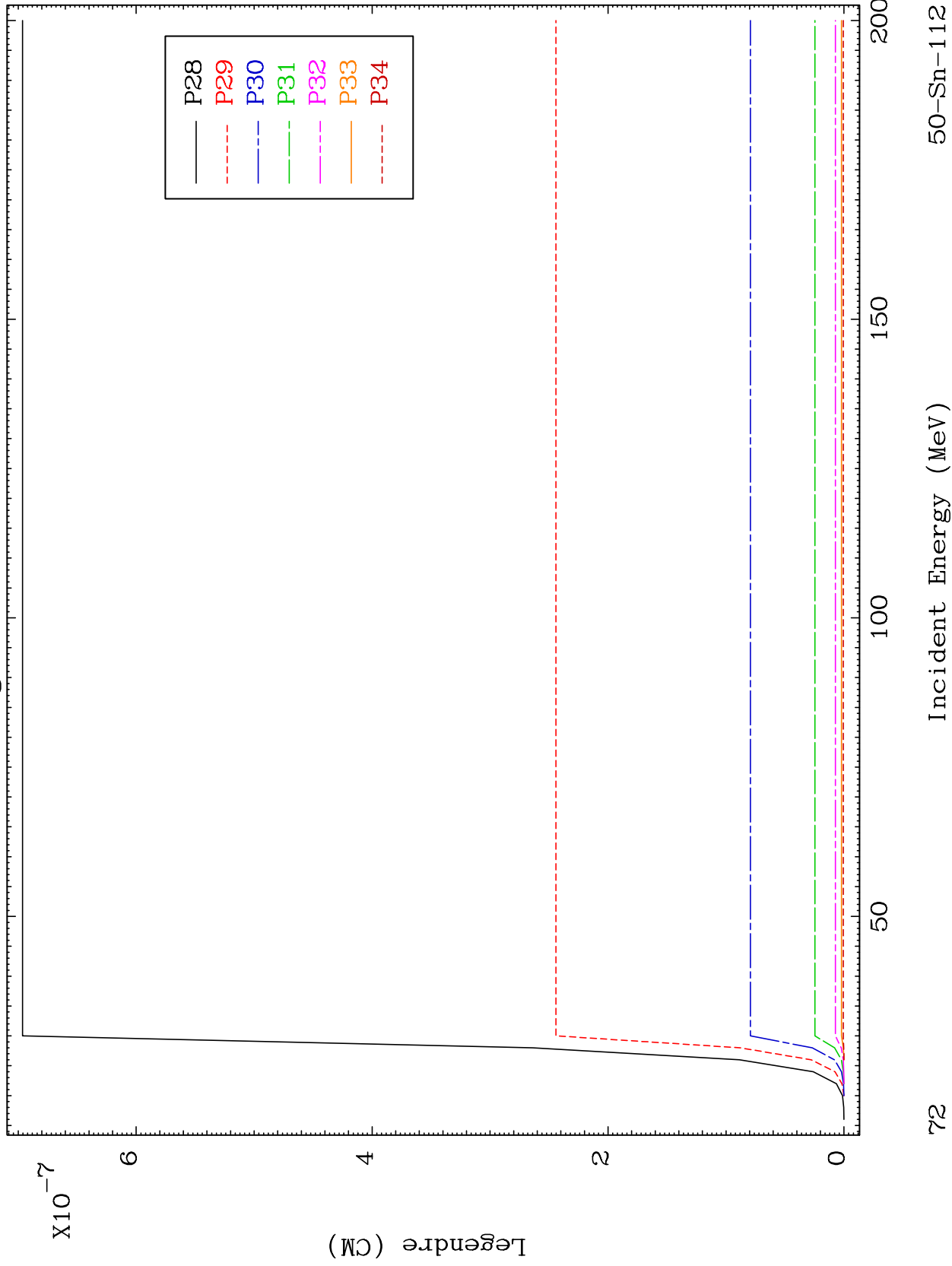
Incident Energy (MeV)

50-Sn-112

MAT 5025

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

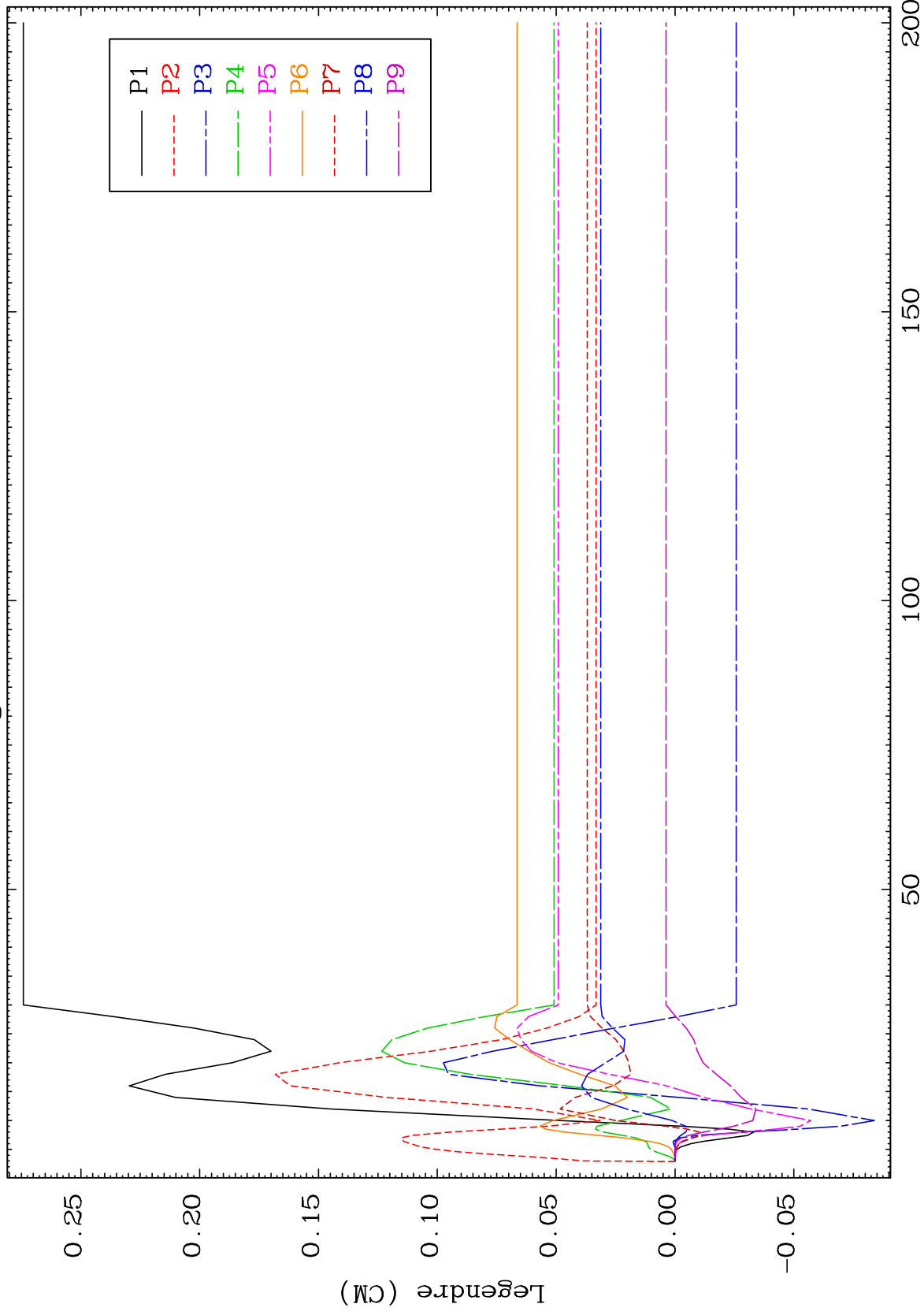
50-Sn-112



MAT 5025

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

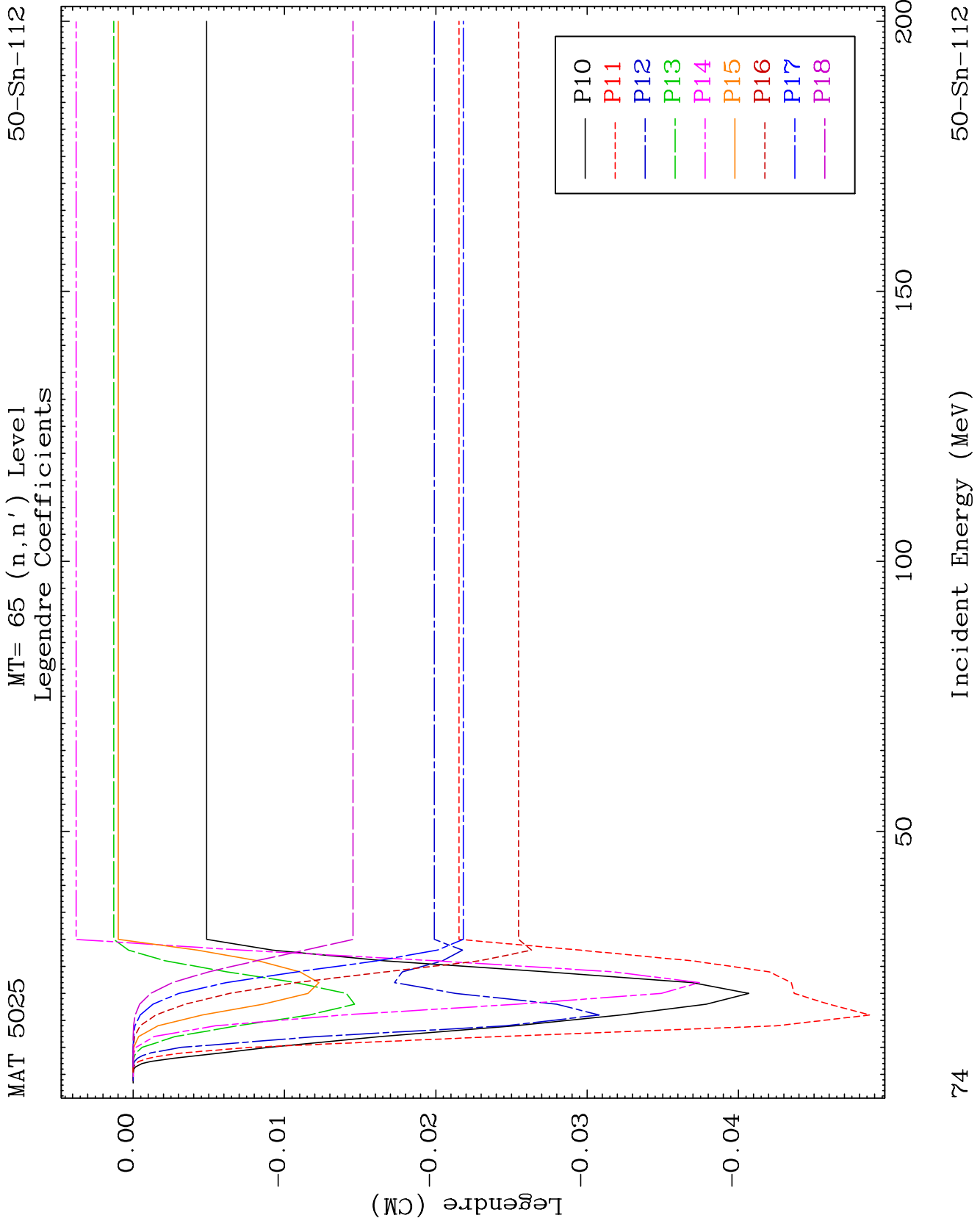
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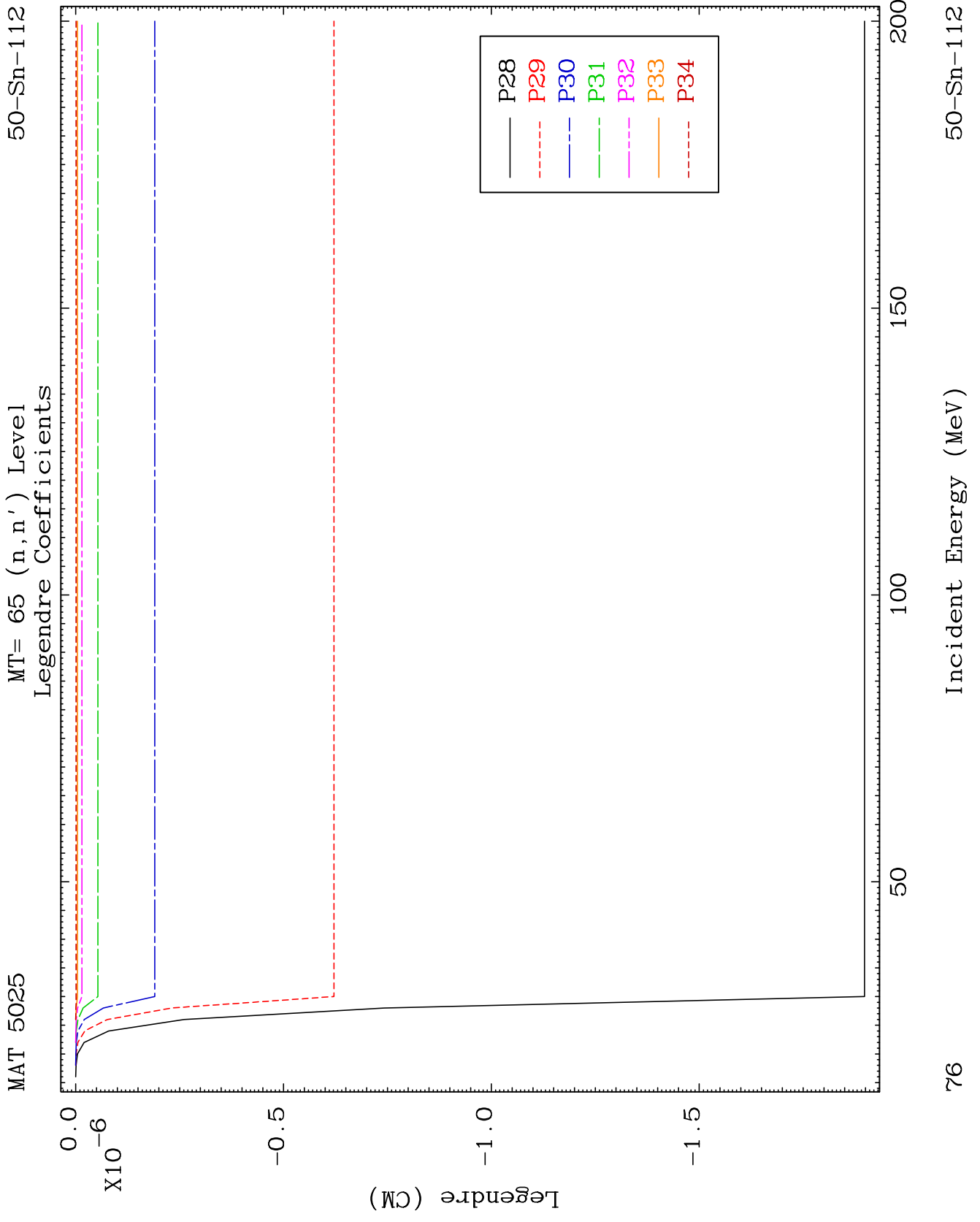


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Incident Energy (MeV)

50-Sn-112

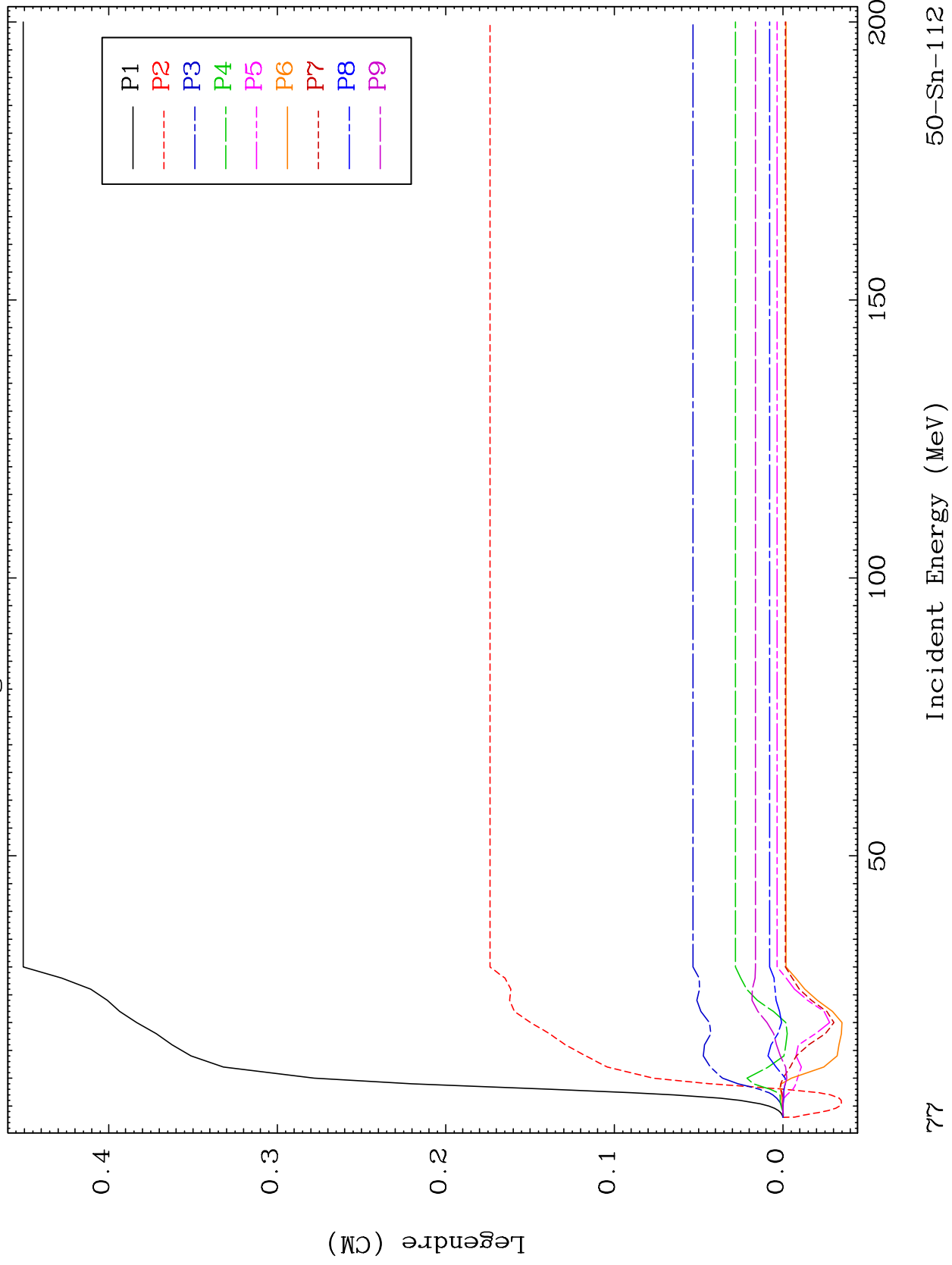




MAT 5025

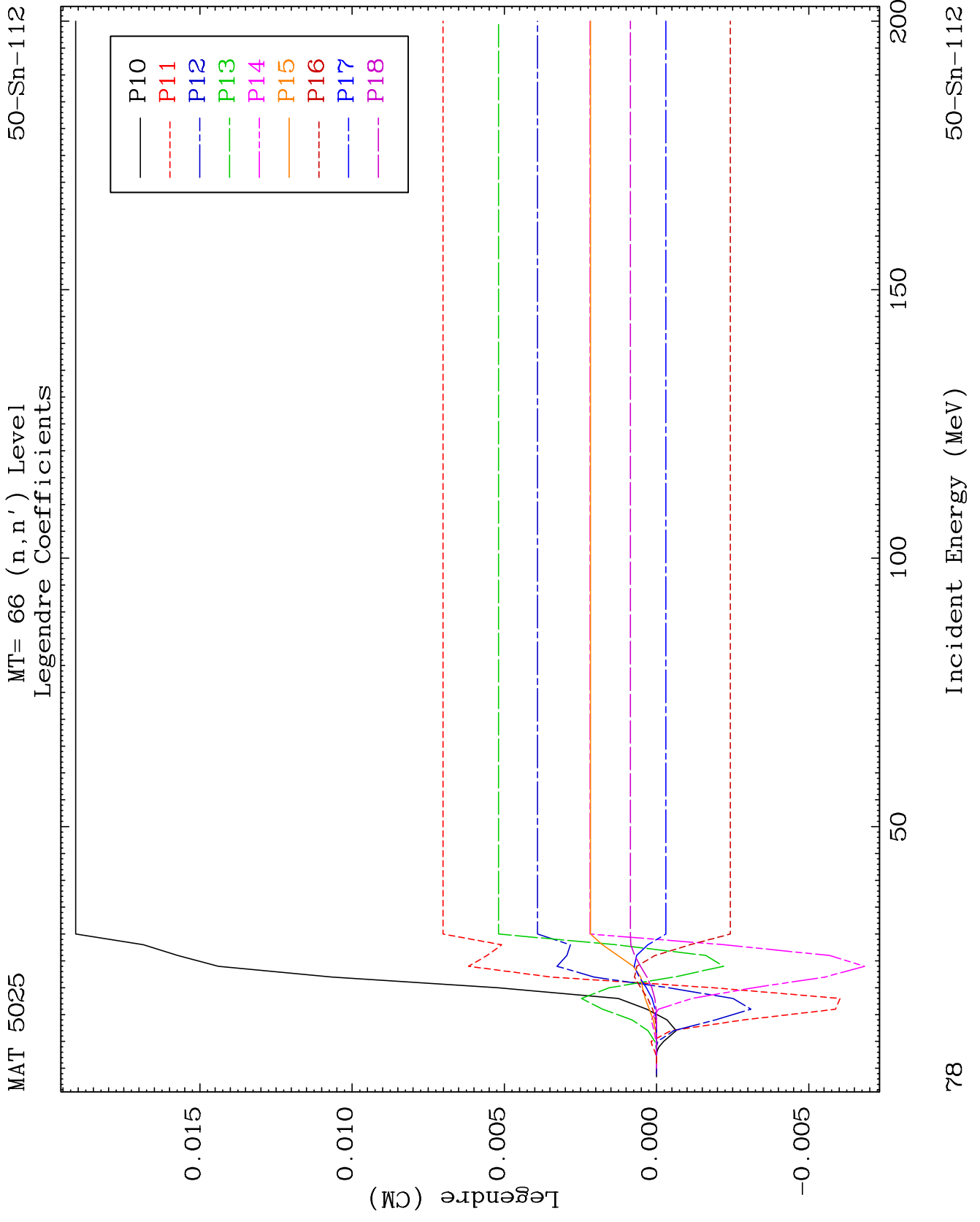
MT= 66 (n,n') Level
Legendre Coefficients

50-Sn-112



77

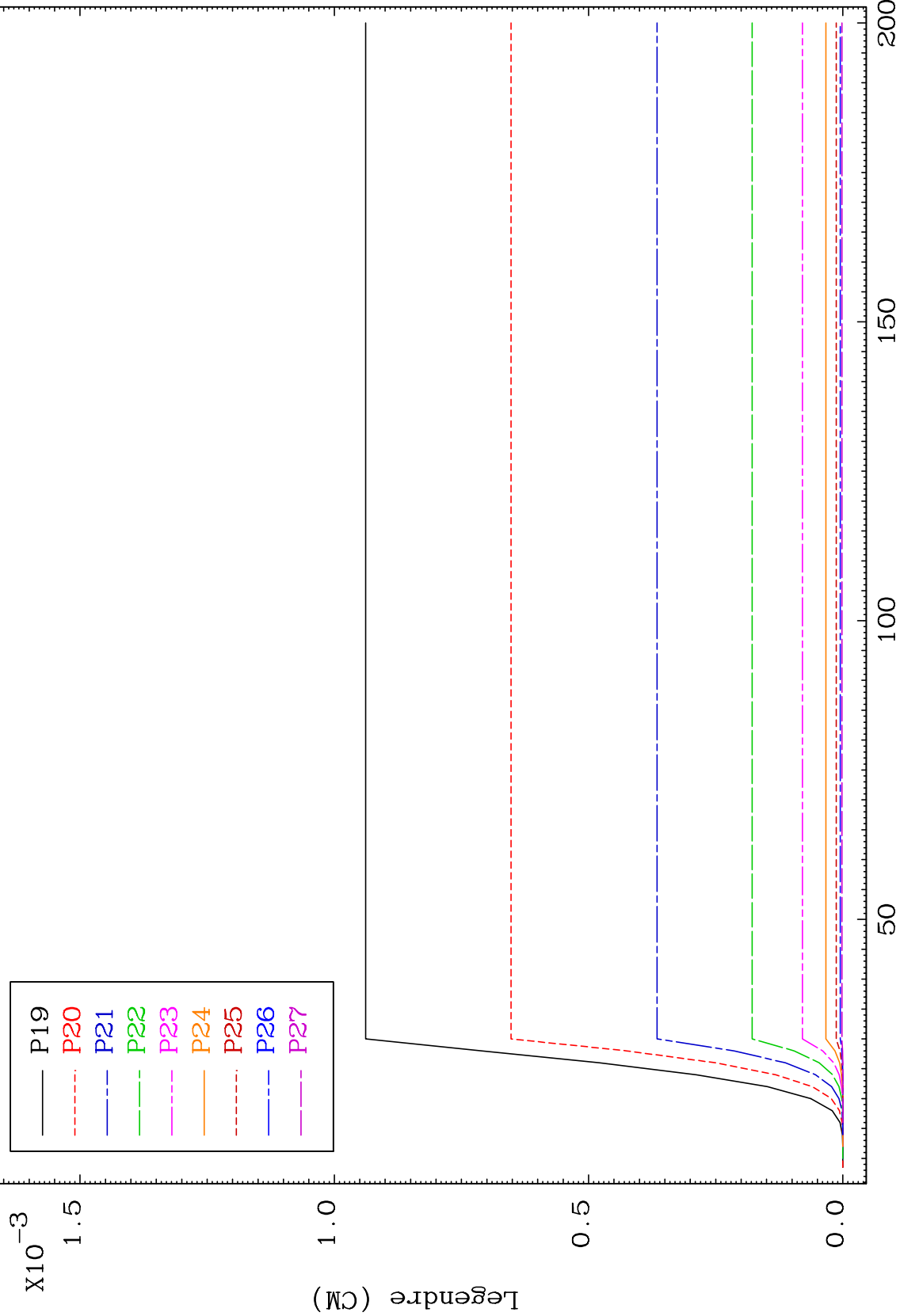
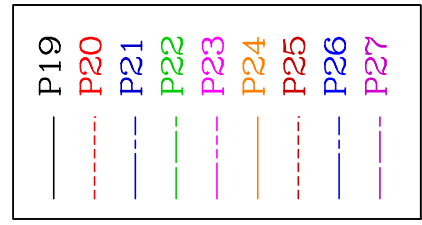
50-Sn-112



MAT 5025

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

50-Sn-112



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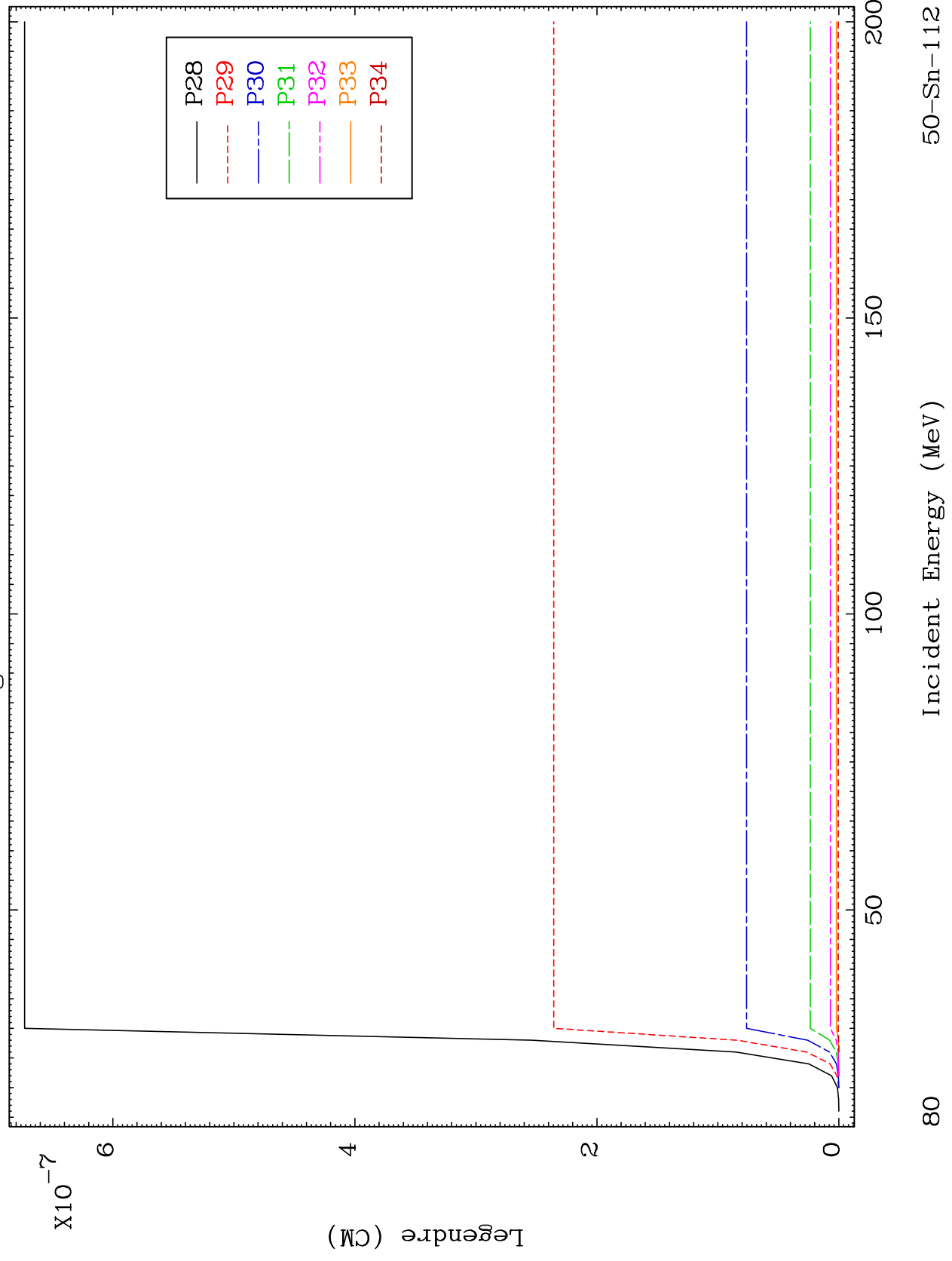
Incident Energy (MeV)

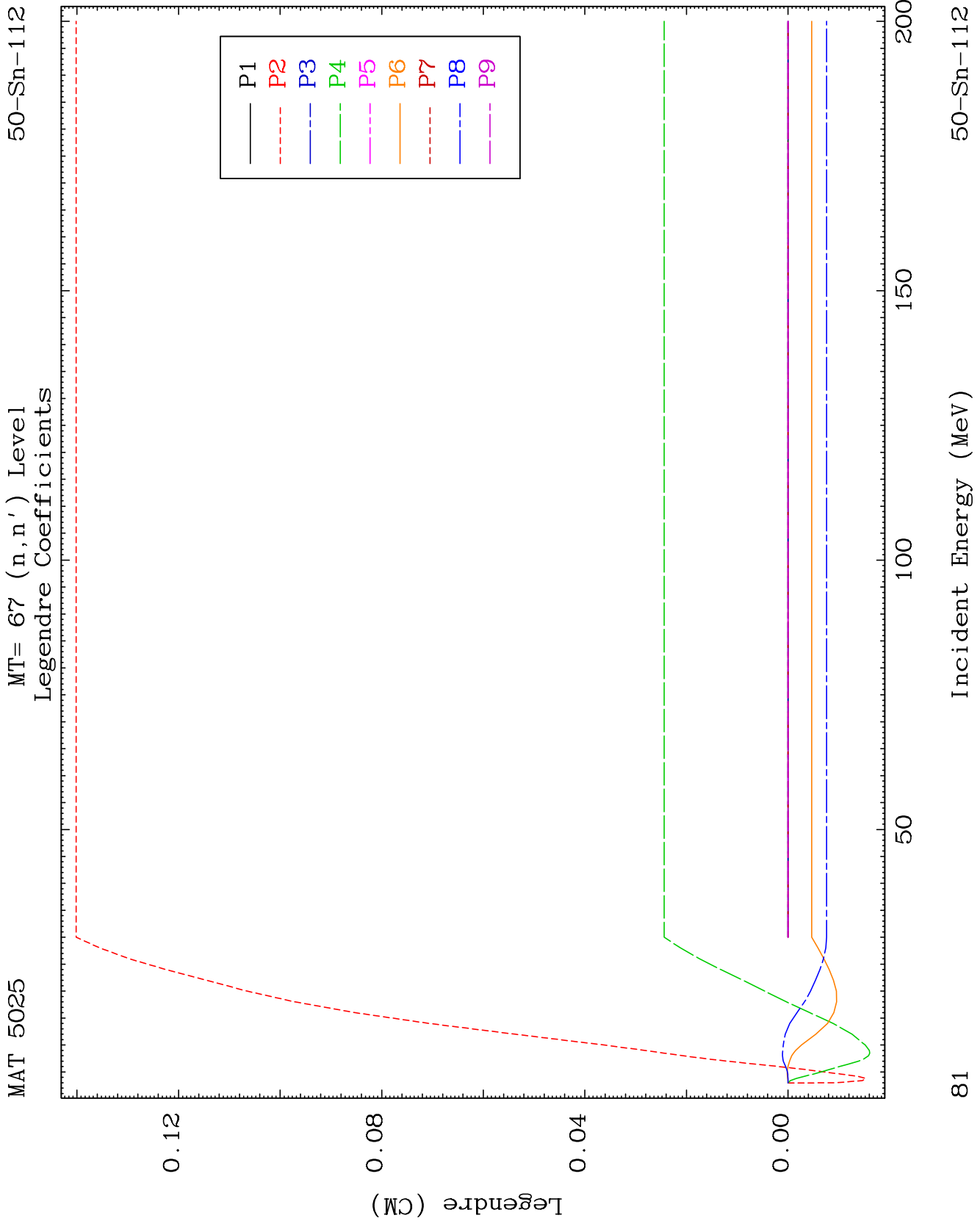
50-Sn-112

MAT 5025

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

50-Sn-112

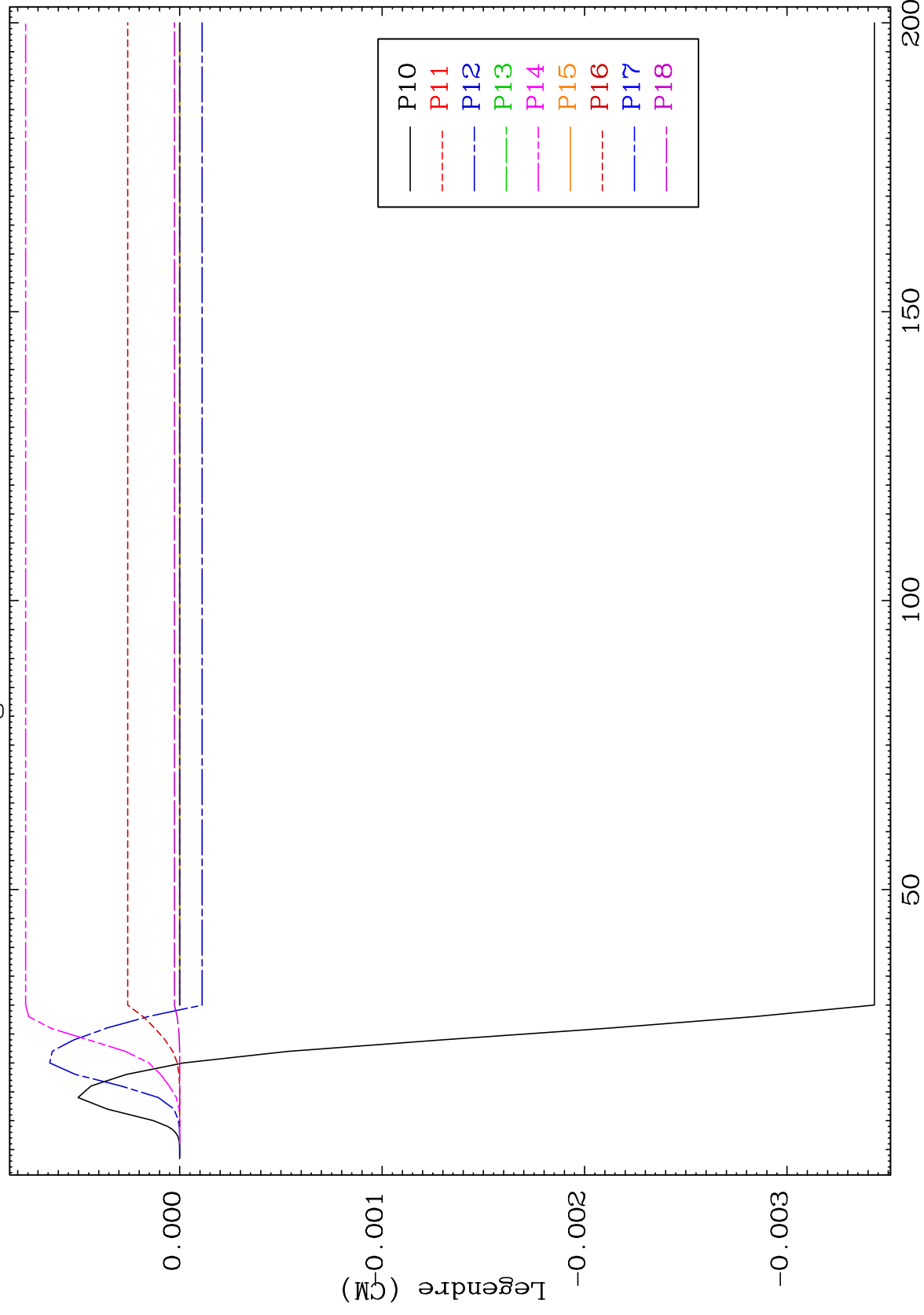


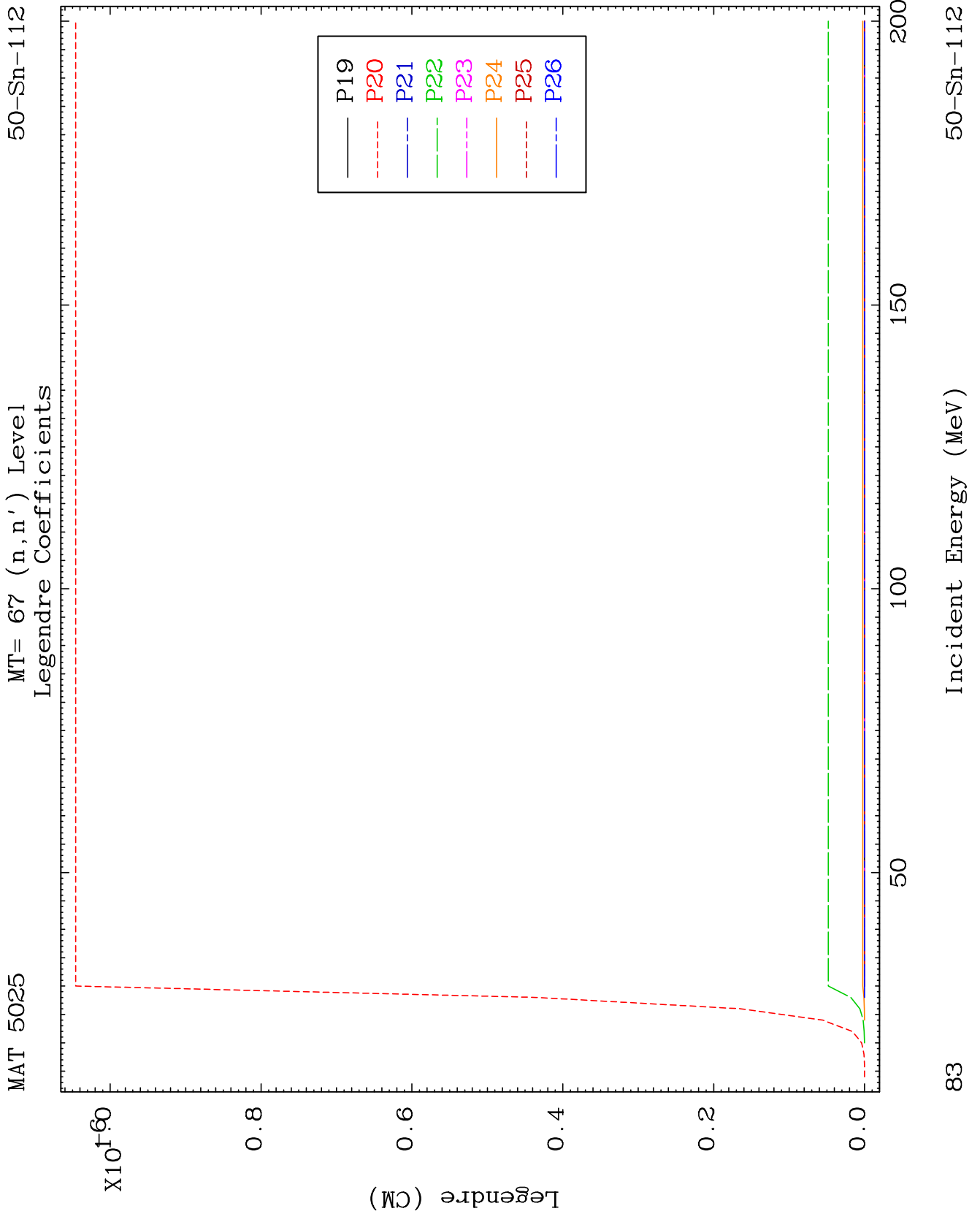


MAT 5025

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

50-Sn-112

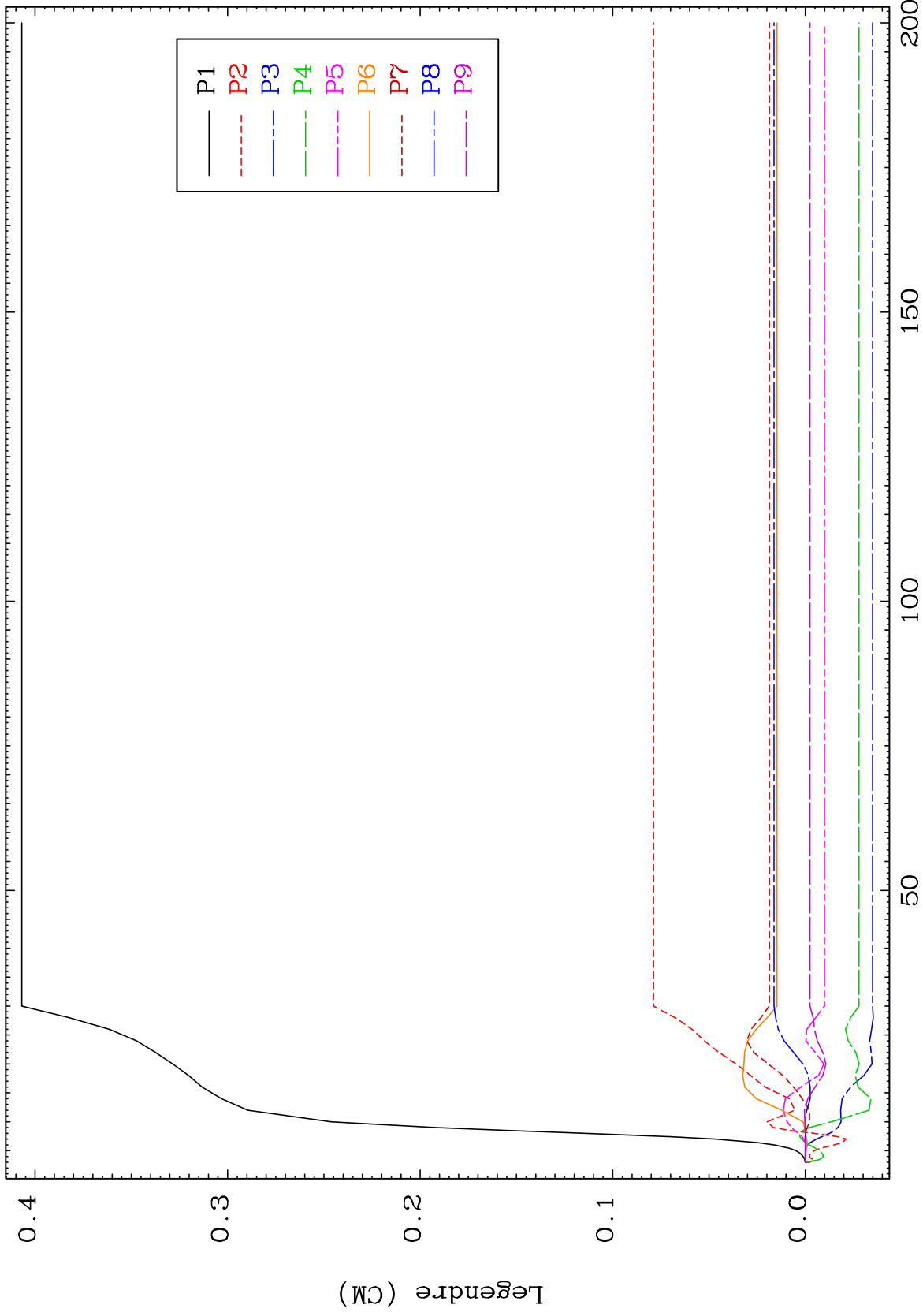




MAT 5025

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

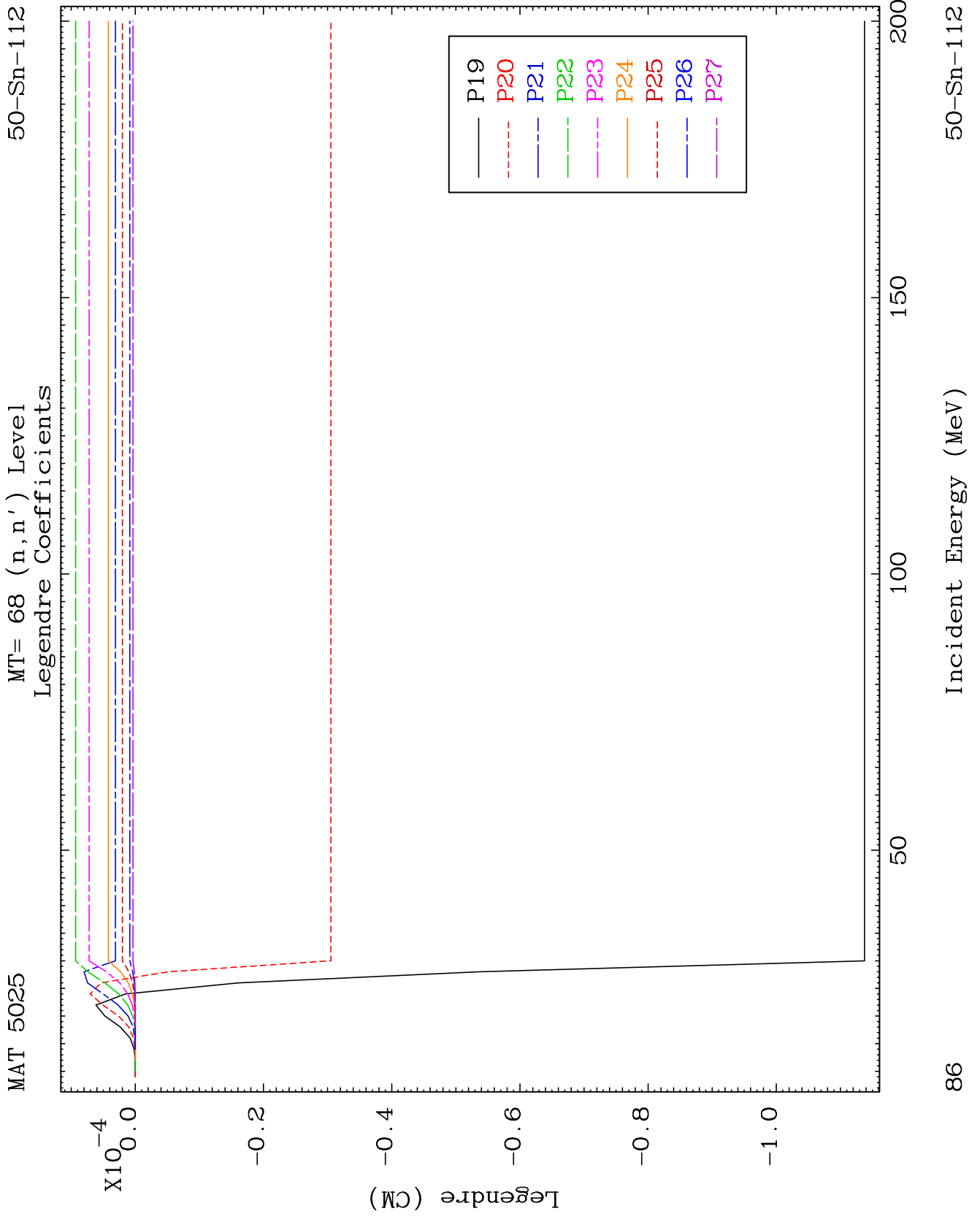
50-Sn-112



84

Incident Energy (MeV)

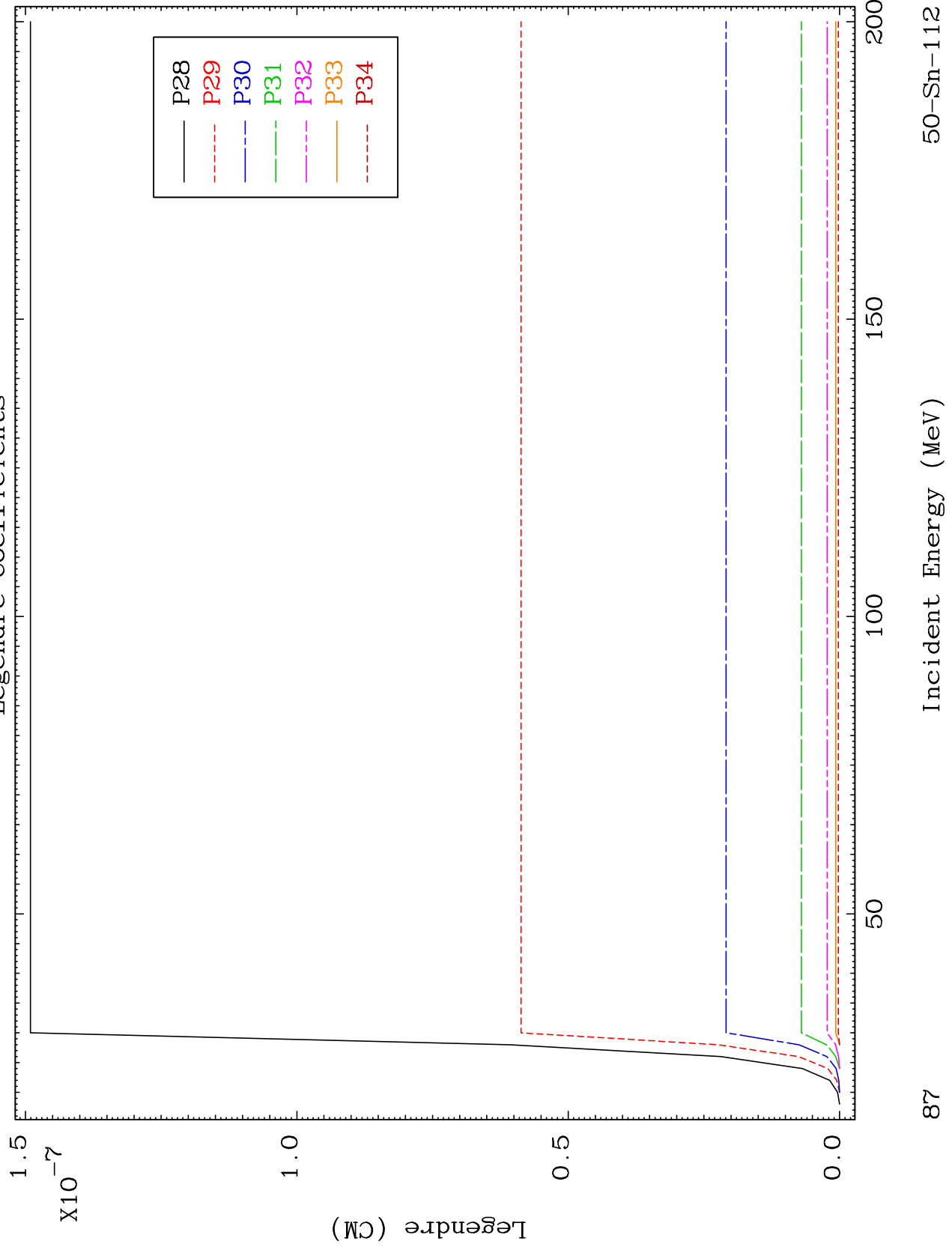
50-Sn-112



MAT 5025

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

50-Sn-112



87

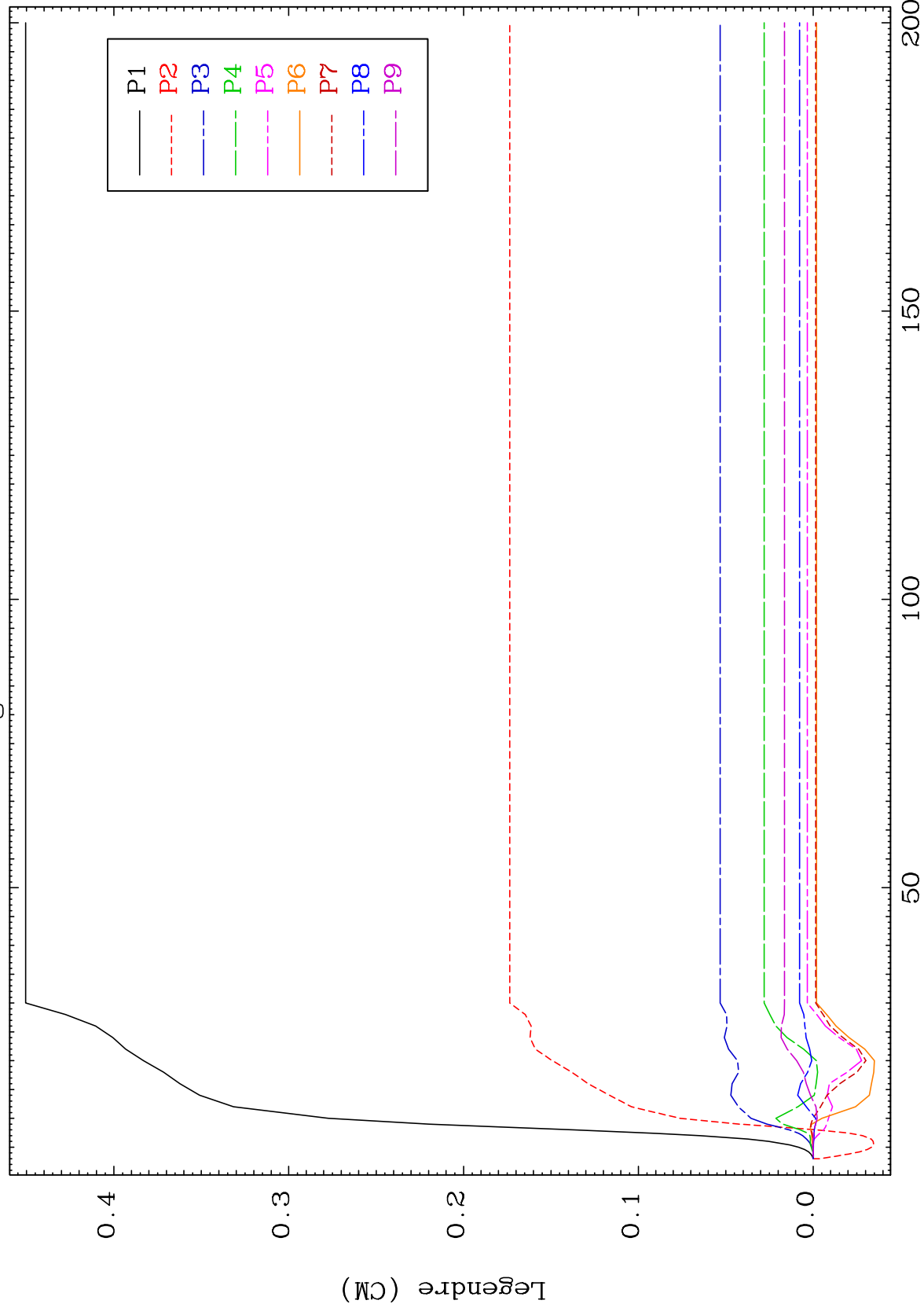
Incident Energy (MeV)

50-Sn-112

MAT 5025

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

50-Sn-112



88

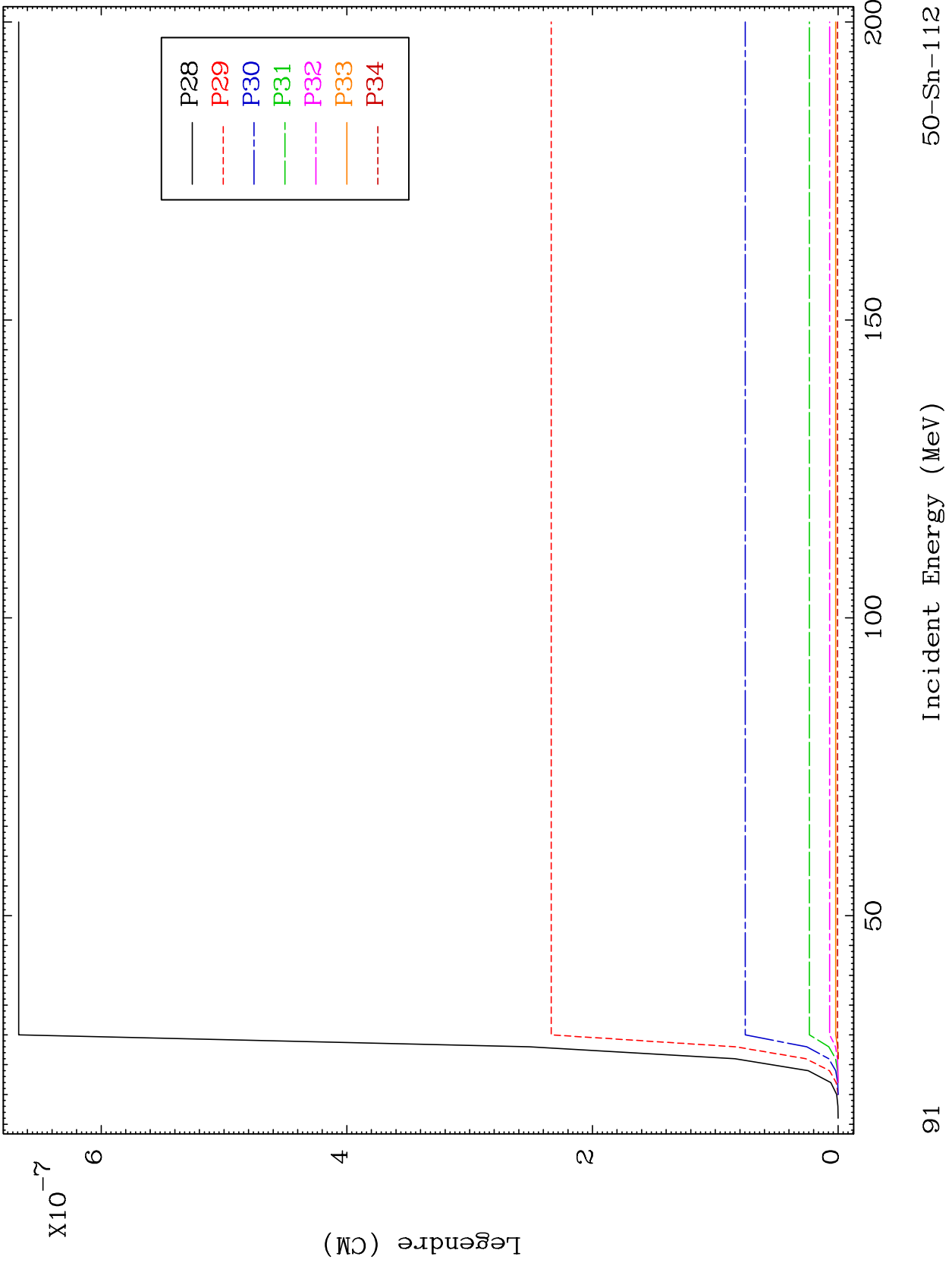
Incident Energy (MeV)

50-Sn-112

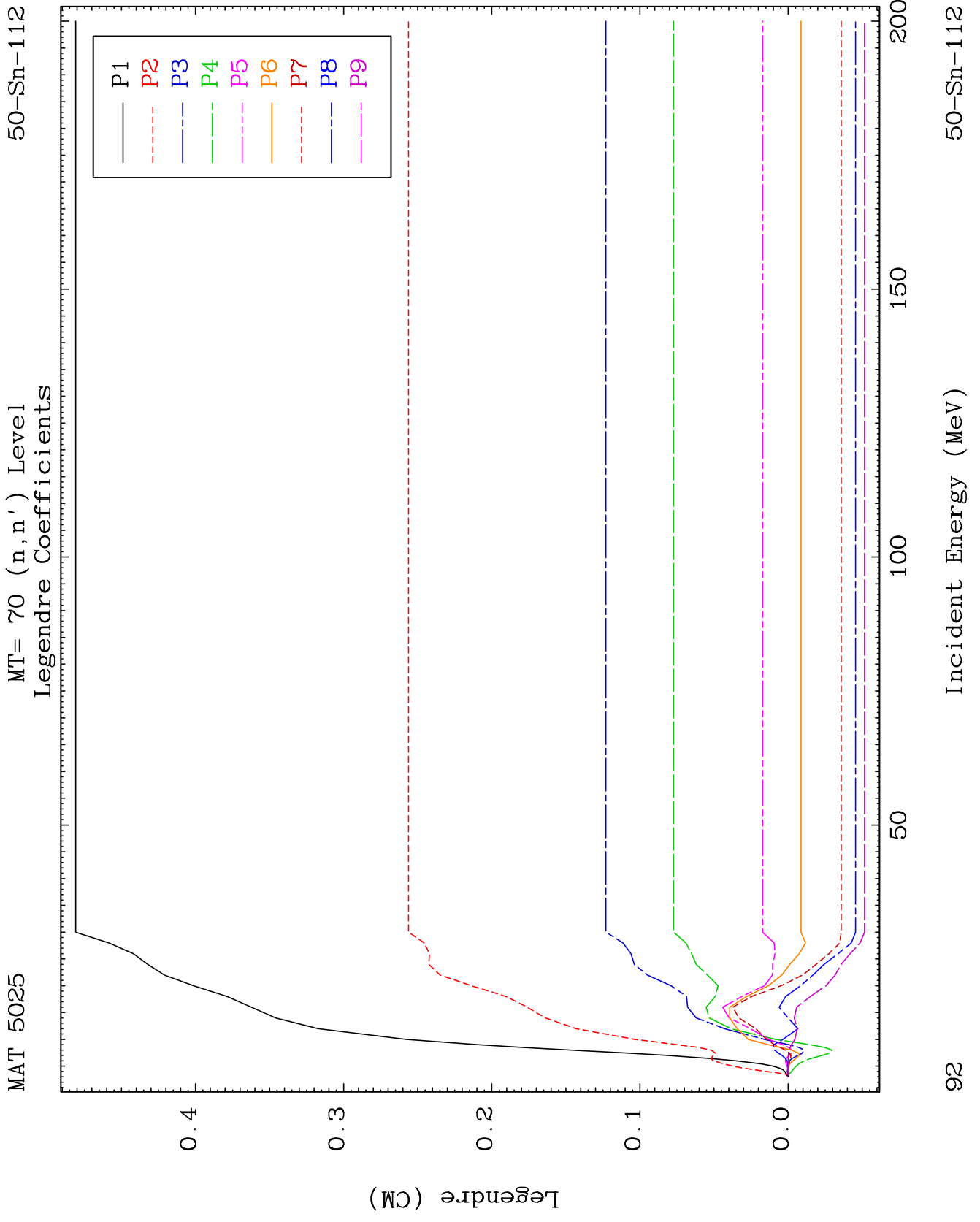
MAT 5025

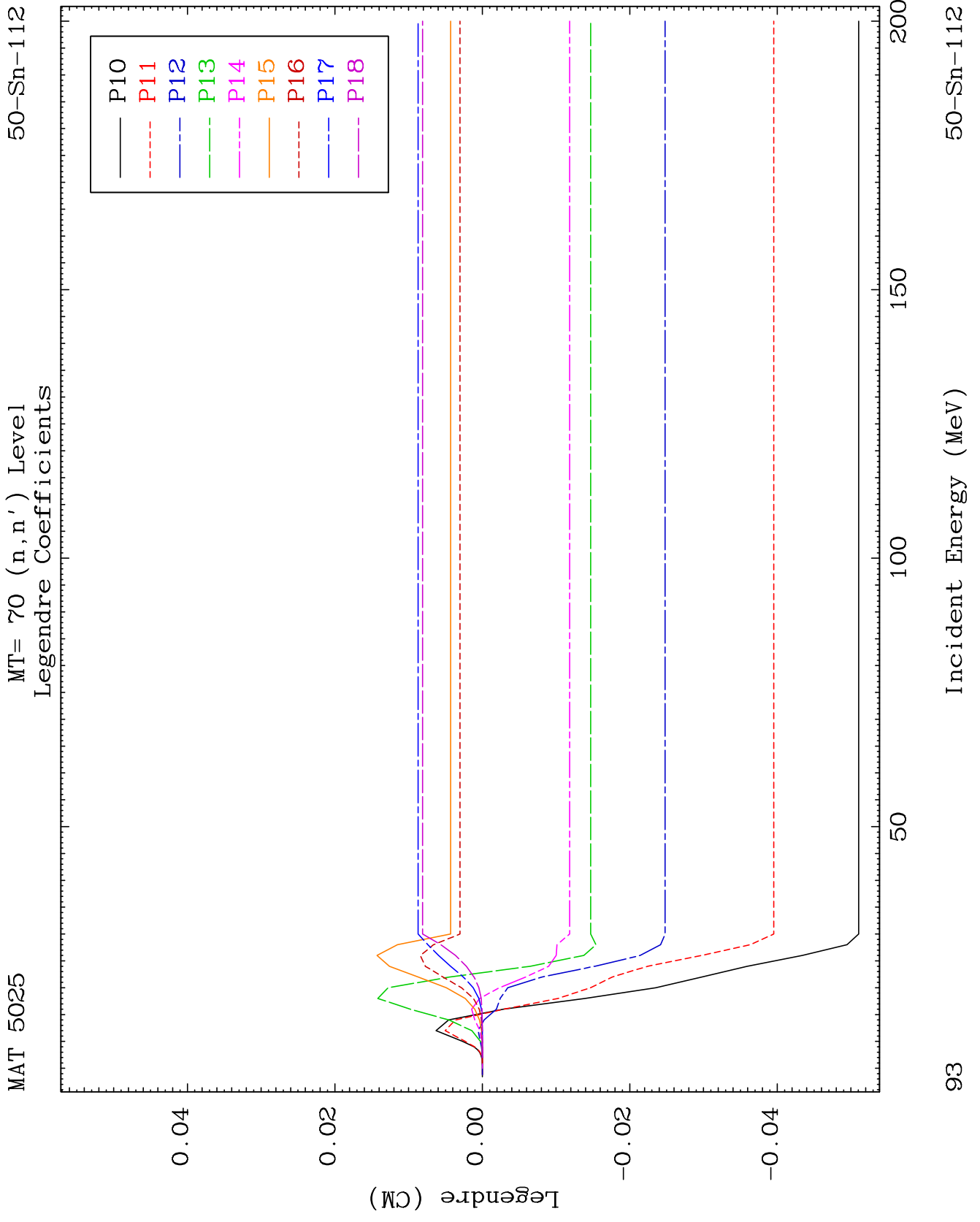
MT= 69 (n,n') Level
Legendre Coefficients

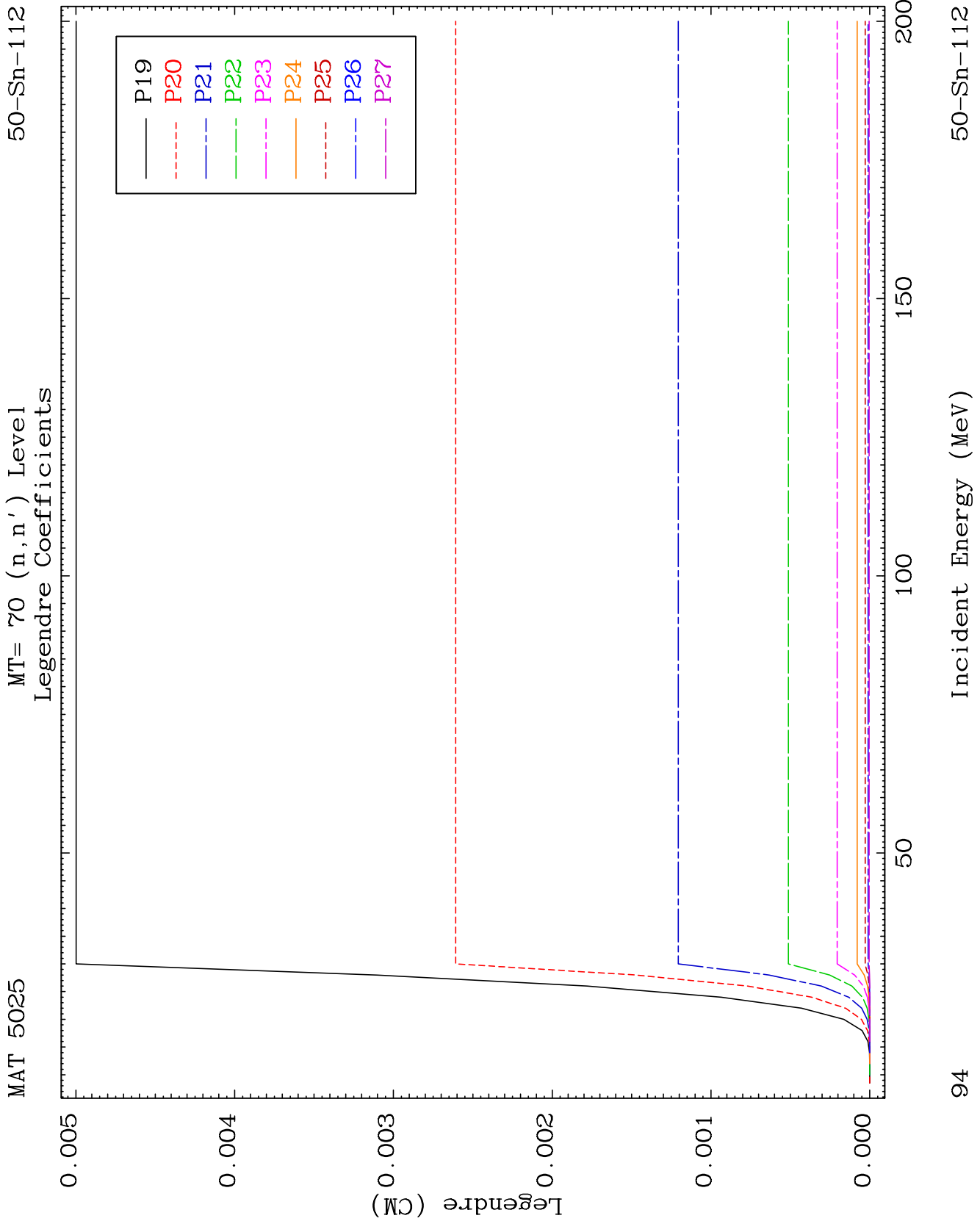
50-Sn-112

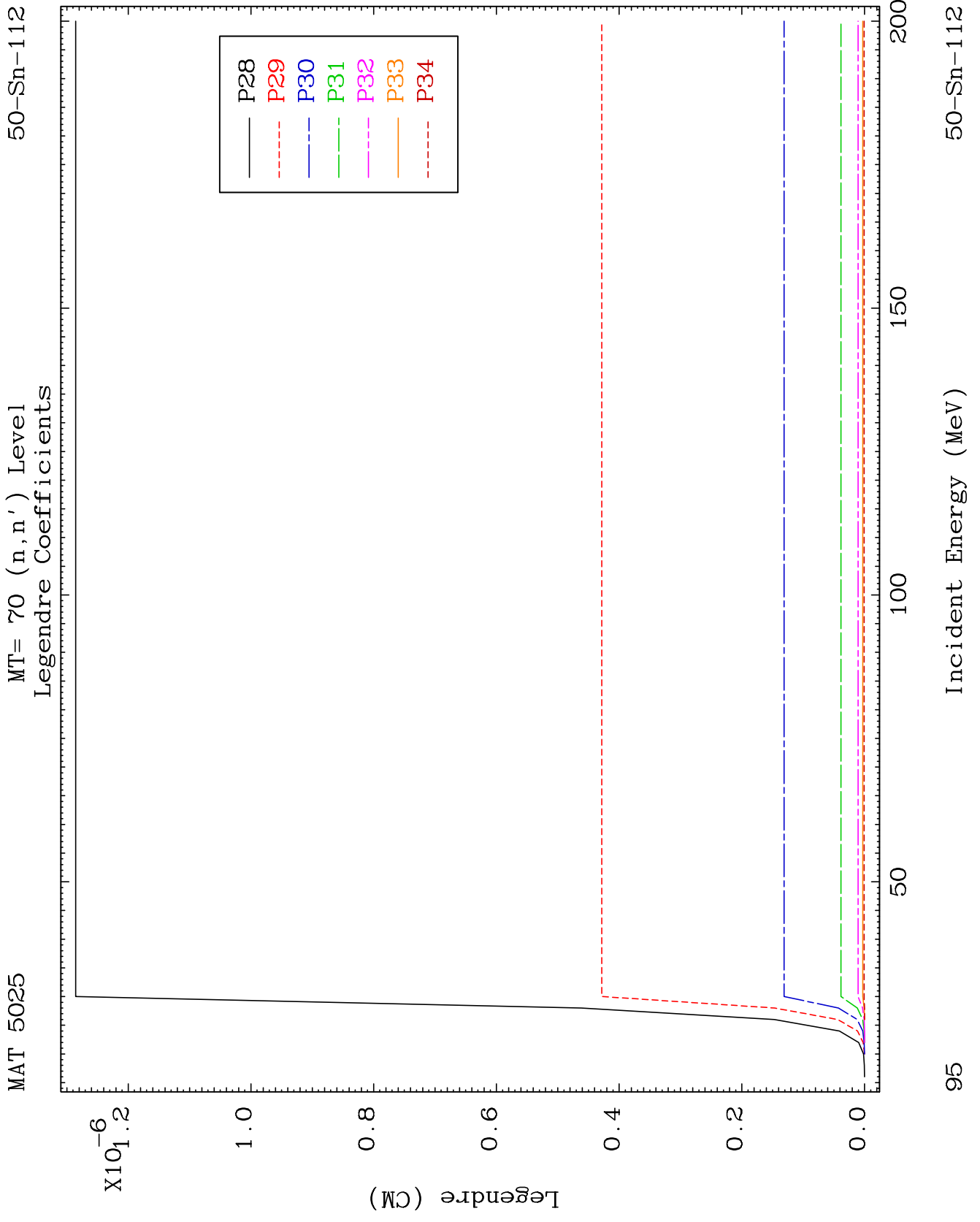


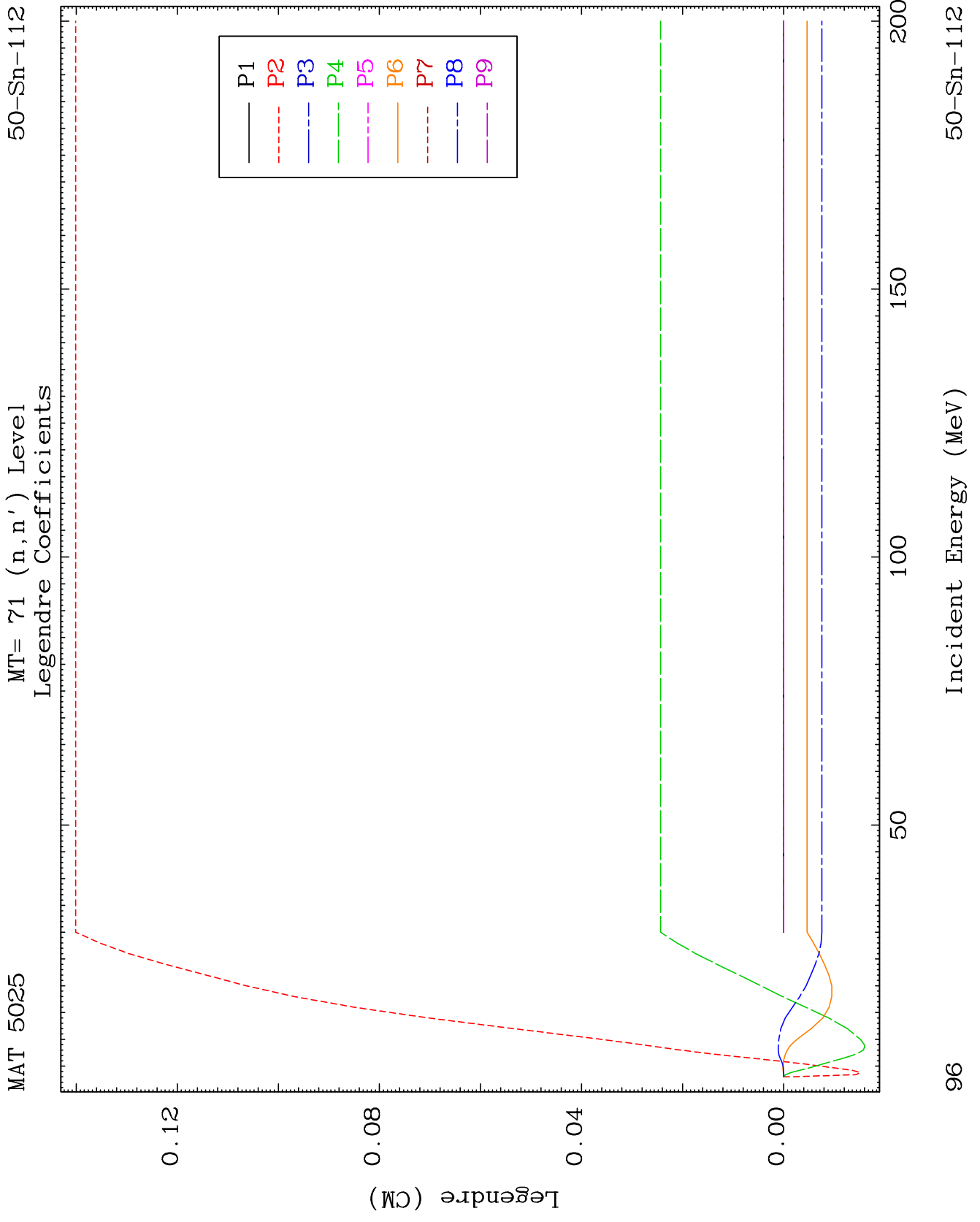
91

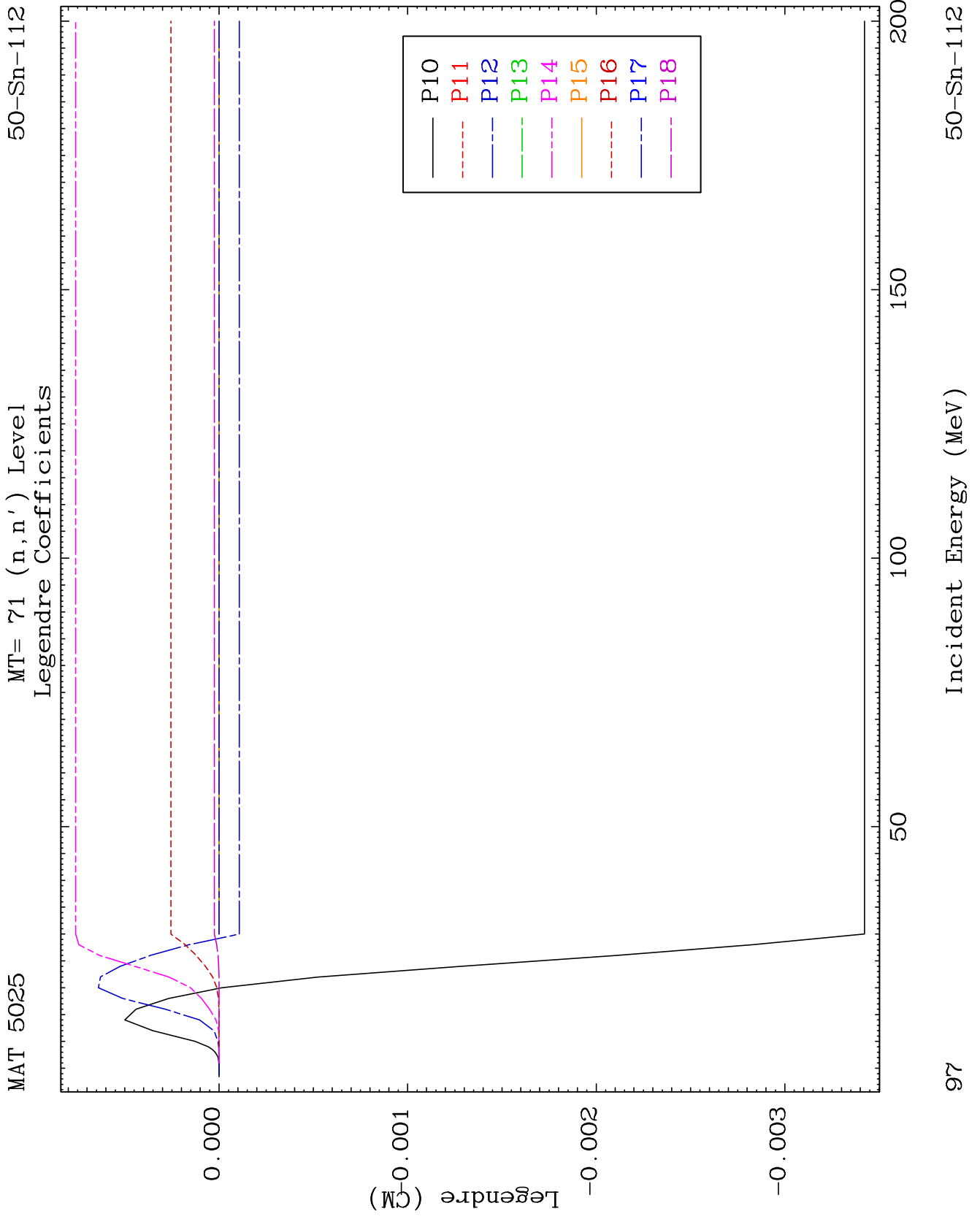


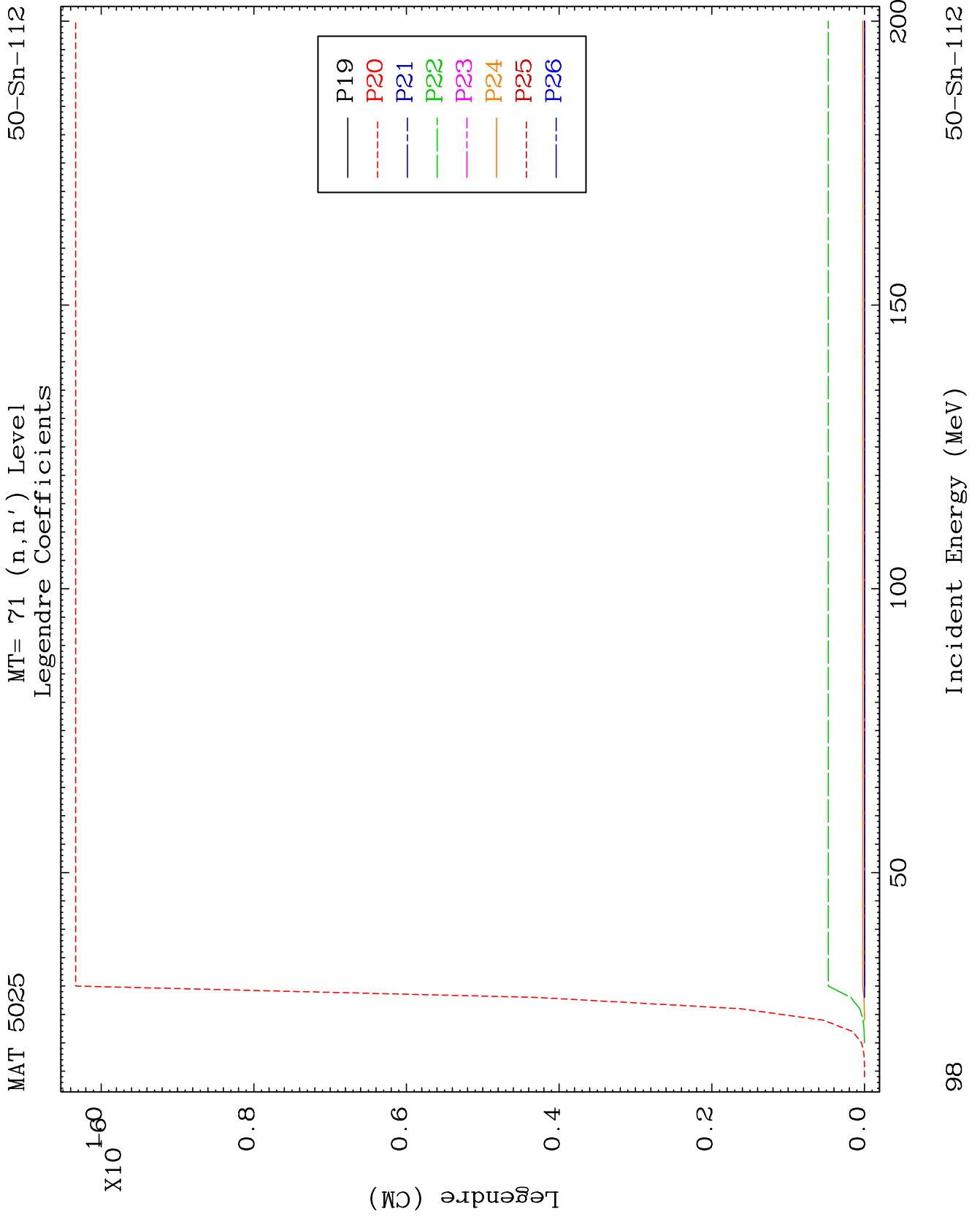


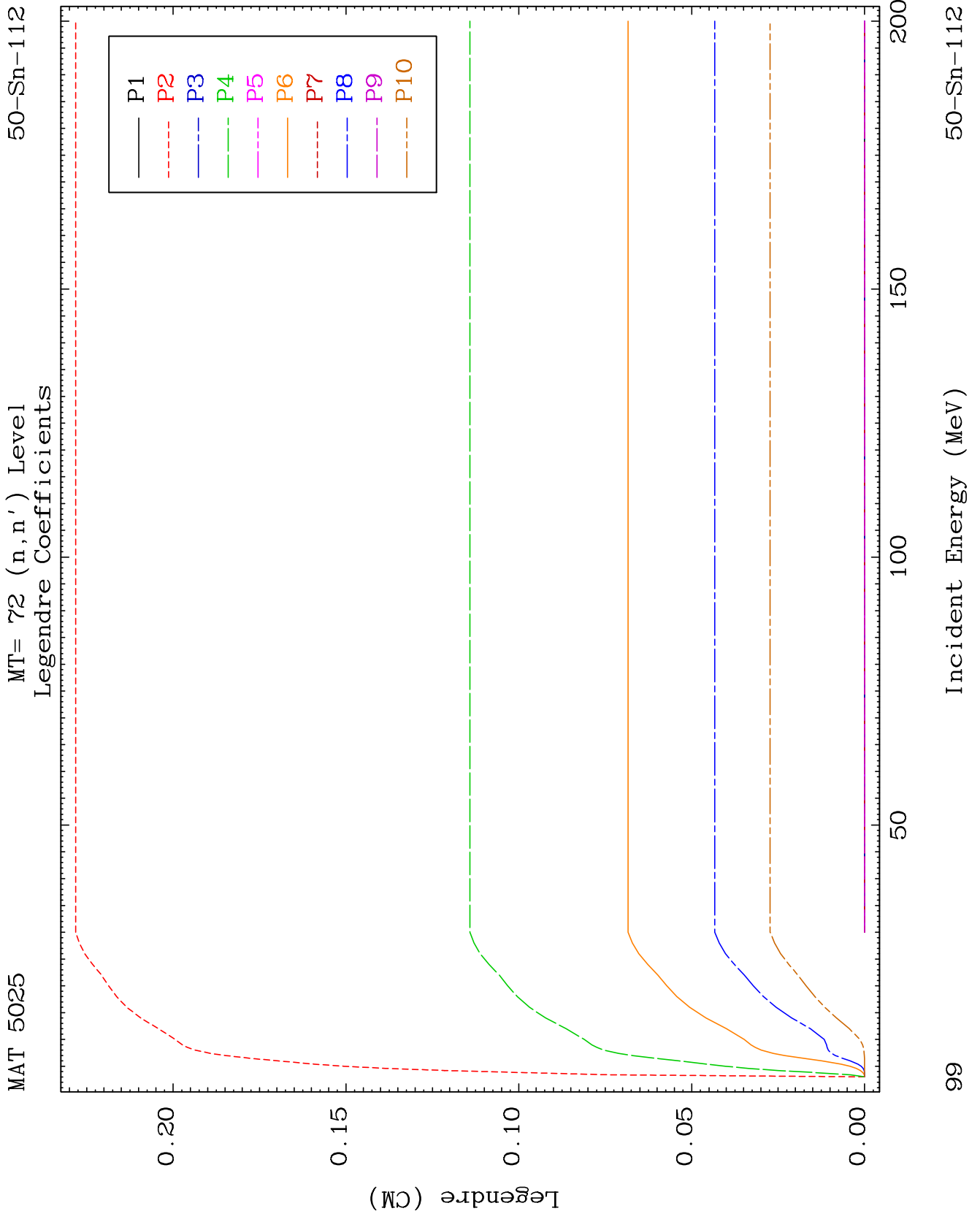


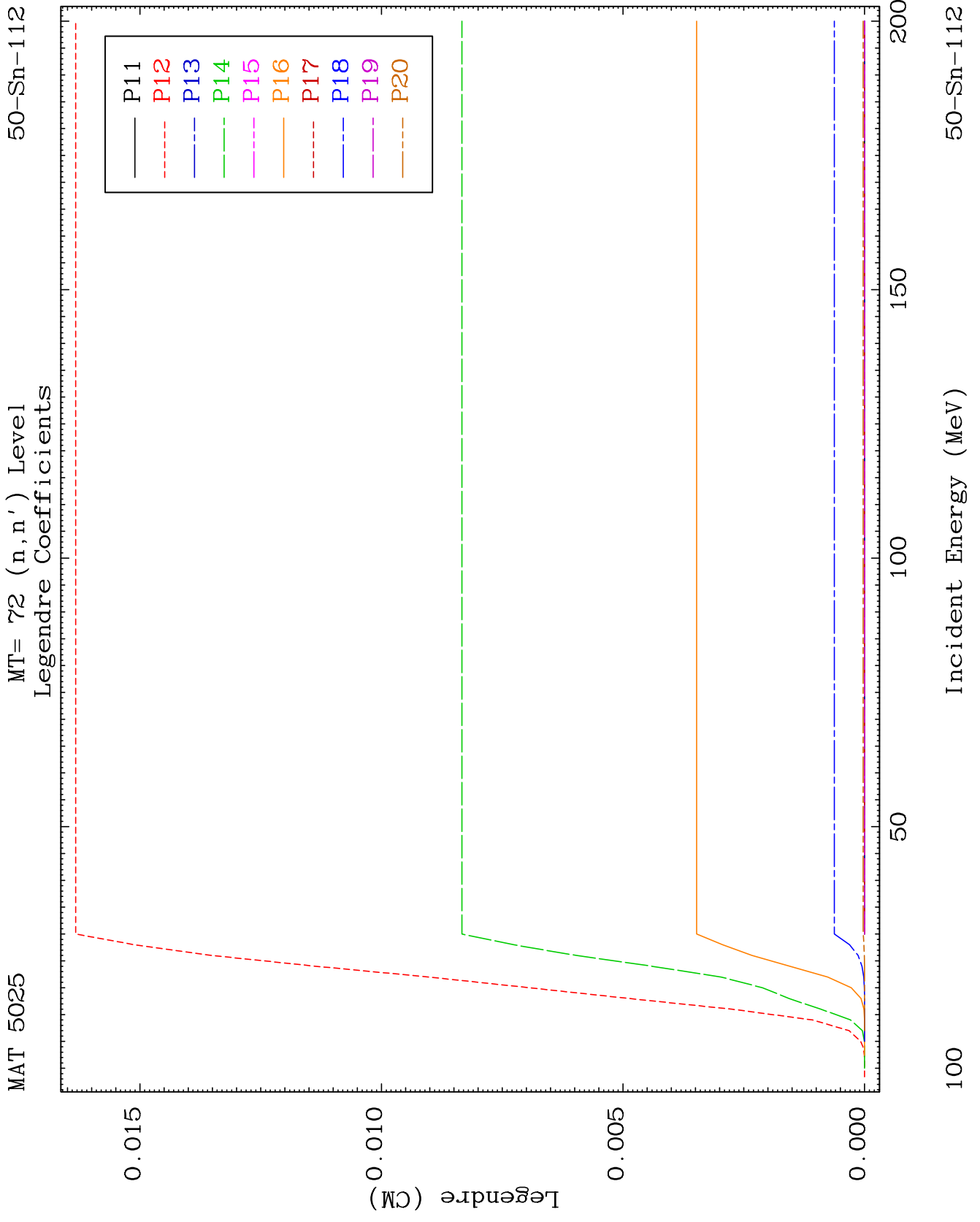


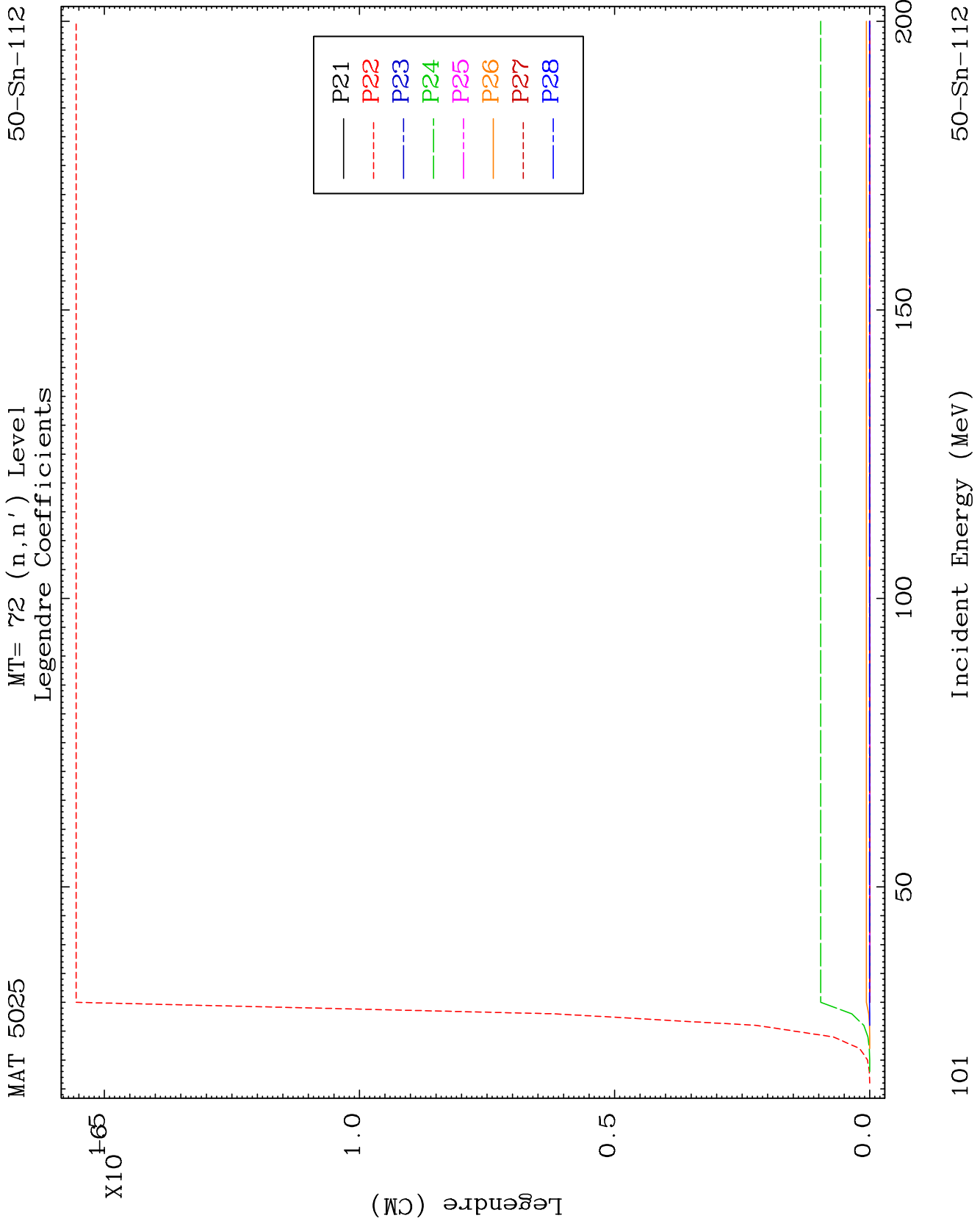








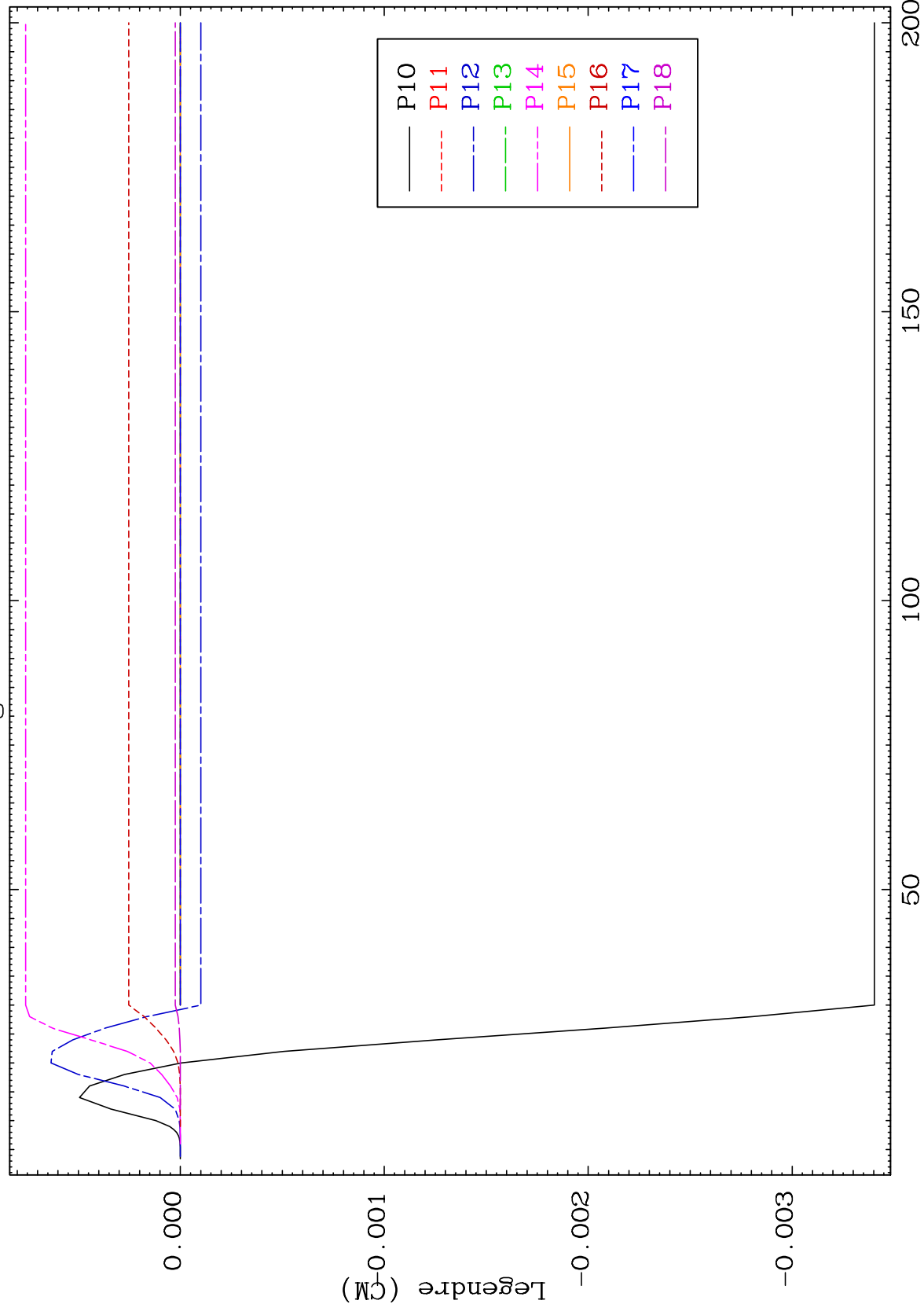




MAT 5025

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

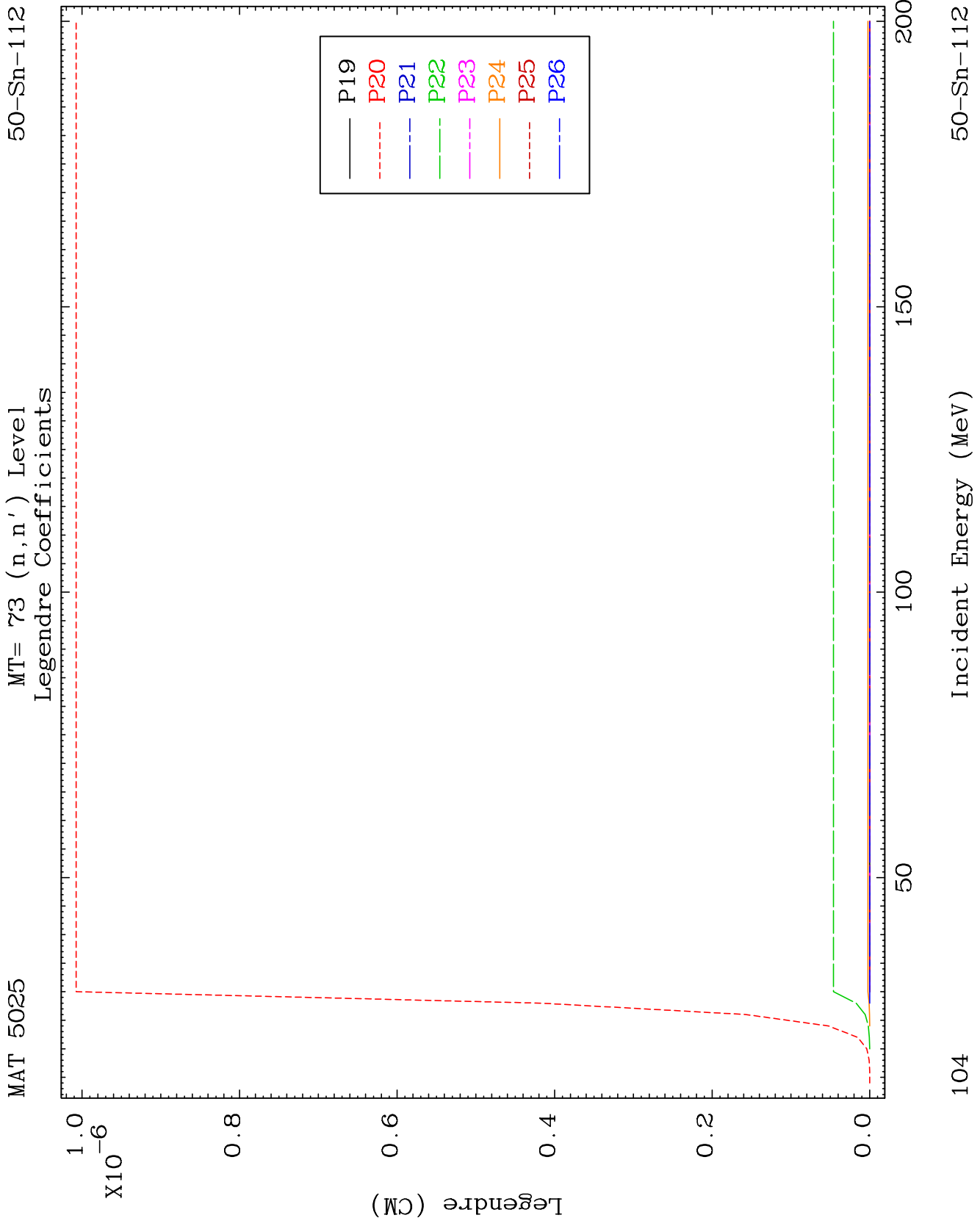
50-Sn-112

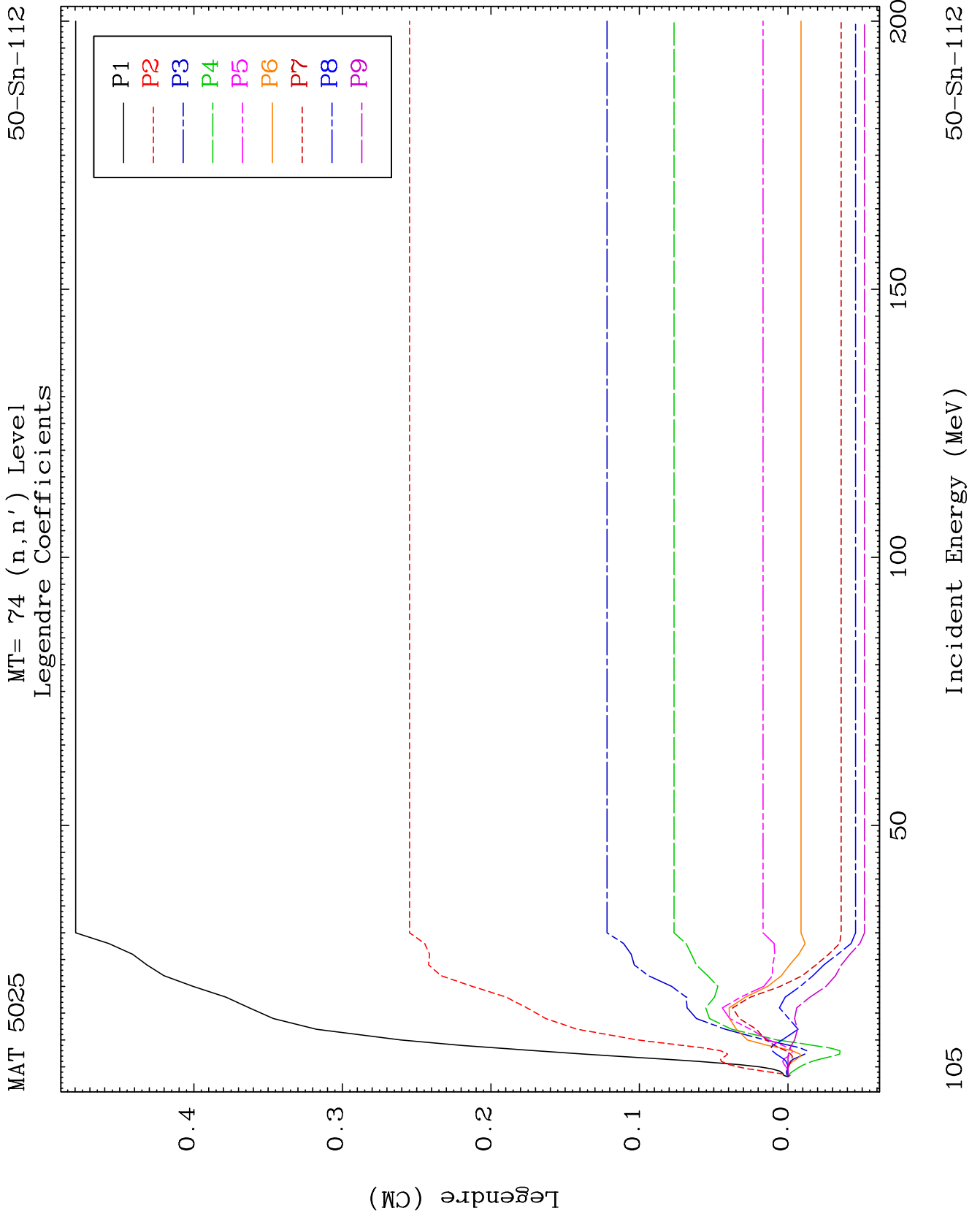


103

Incident Energy (MeV)

50-Sn-112

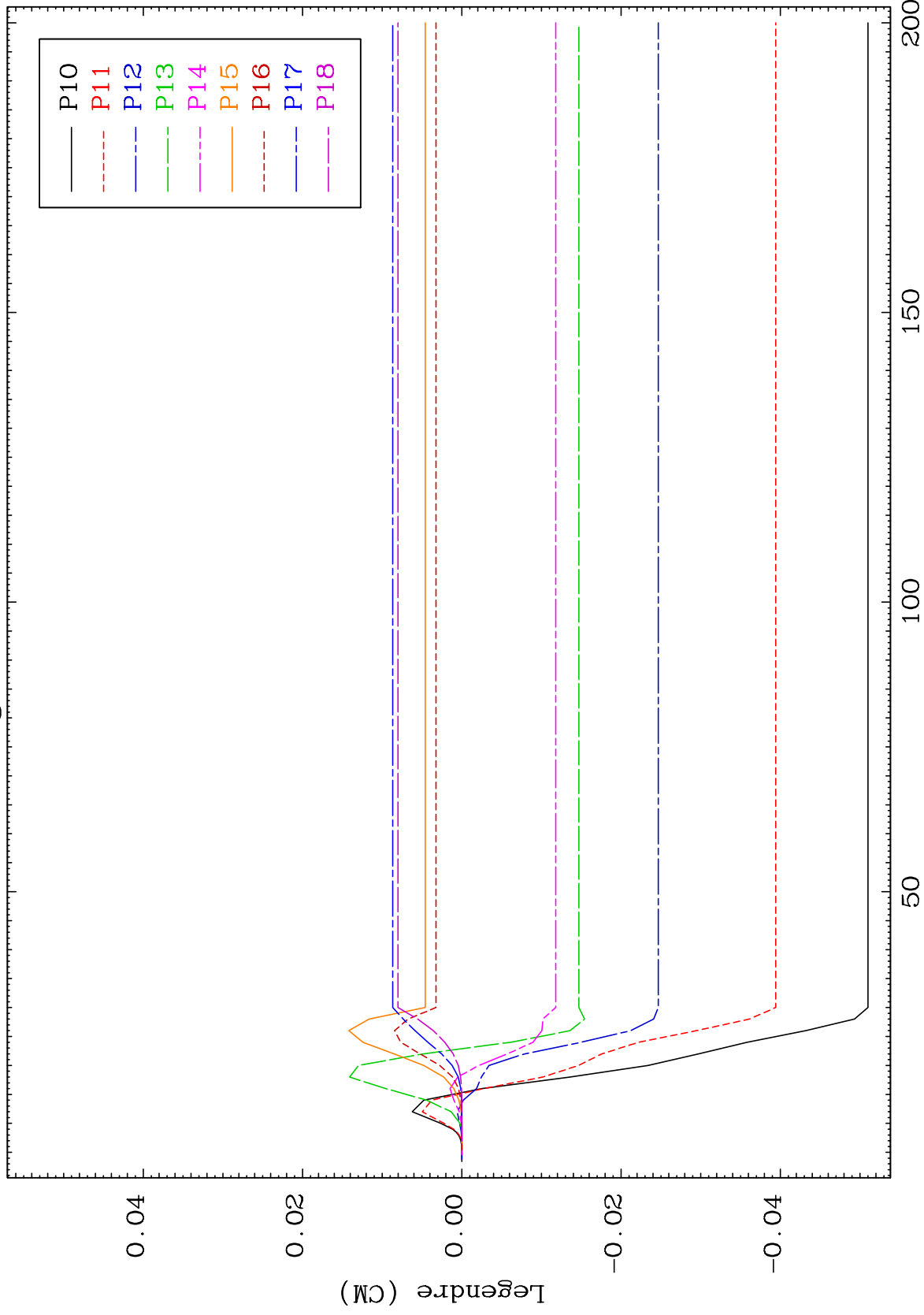




MAT 5025

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

50-Sn-112



106

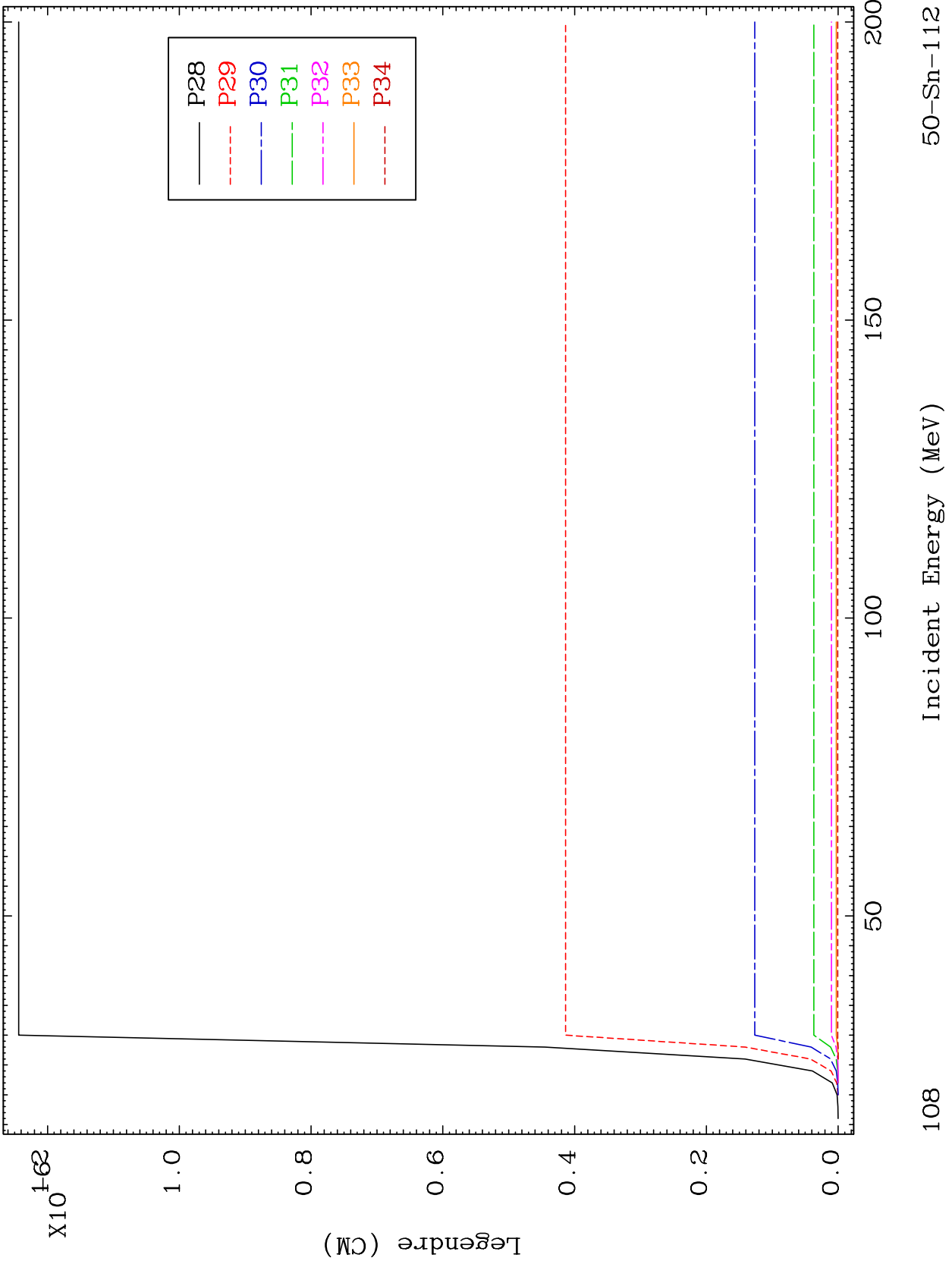
Incident Energy (MeV)

50-Sn-112

MAT 5025

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

50-Sn-112

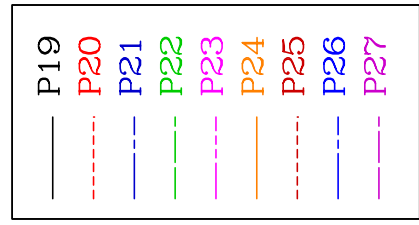


108

MAT 5025

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

50-Sn-112



$\times 10^{-3}$
1.5
1.0

Legendre (CM)

0.5

0.0

50

100

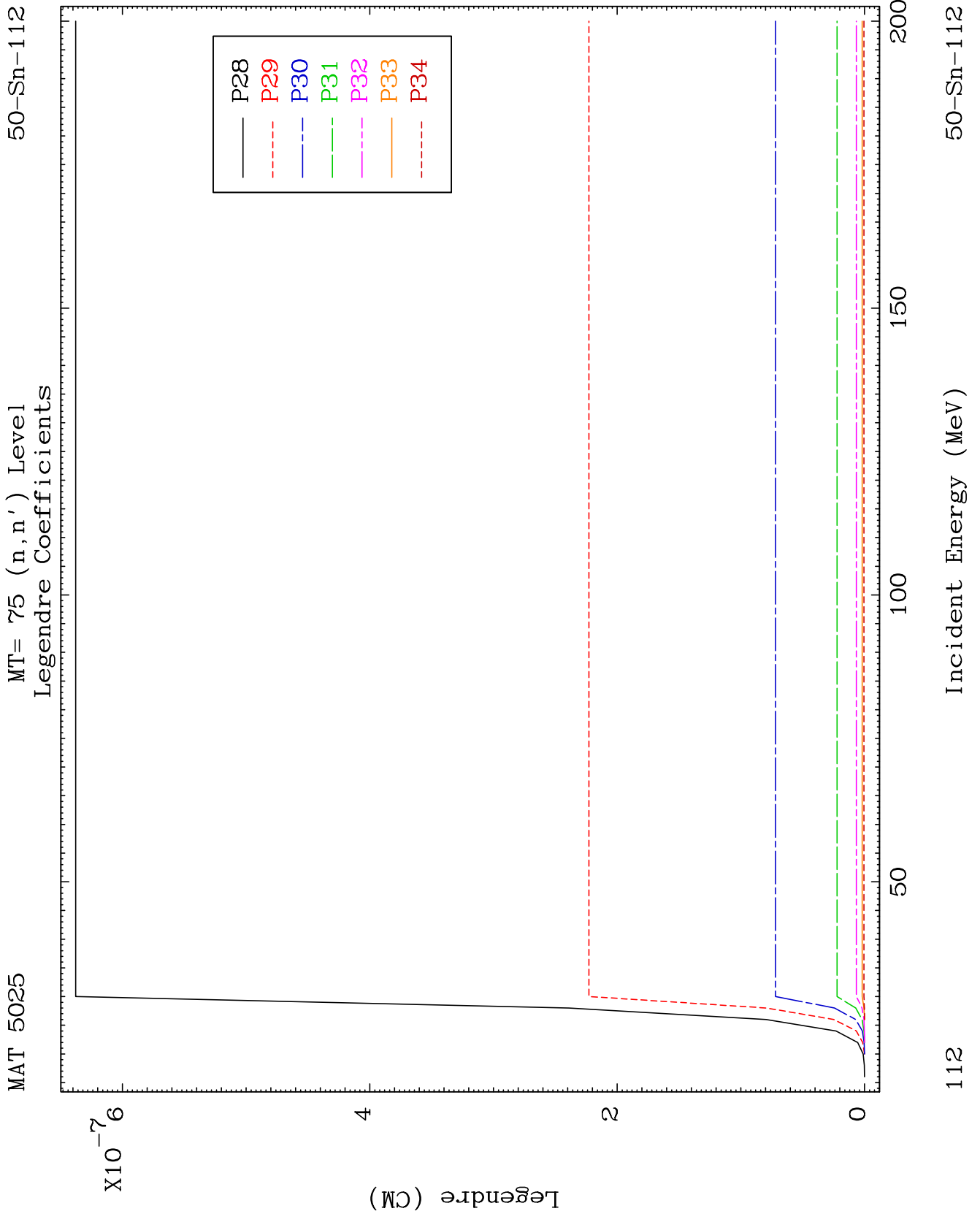
150

200

111

Incident Energy (MeV)

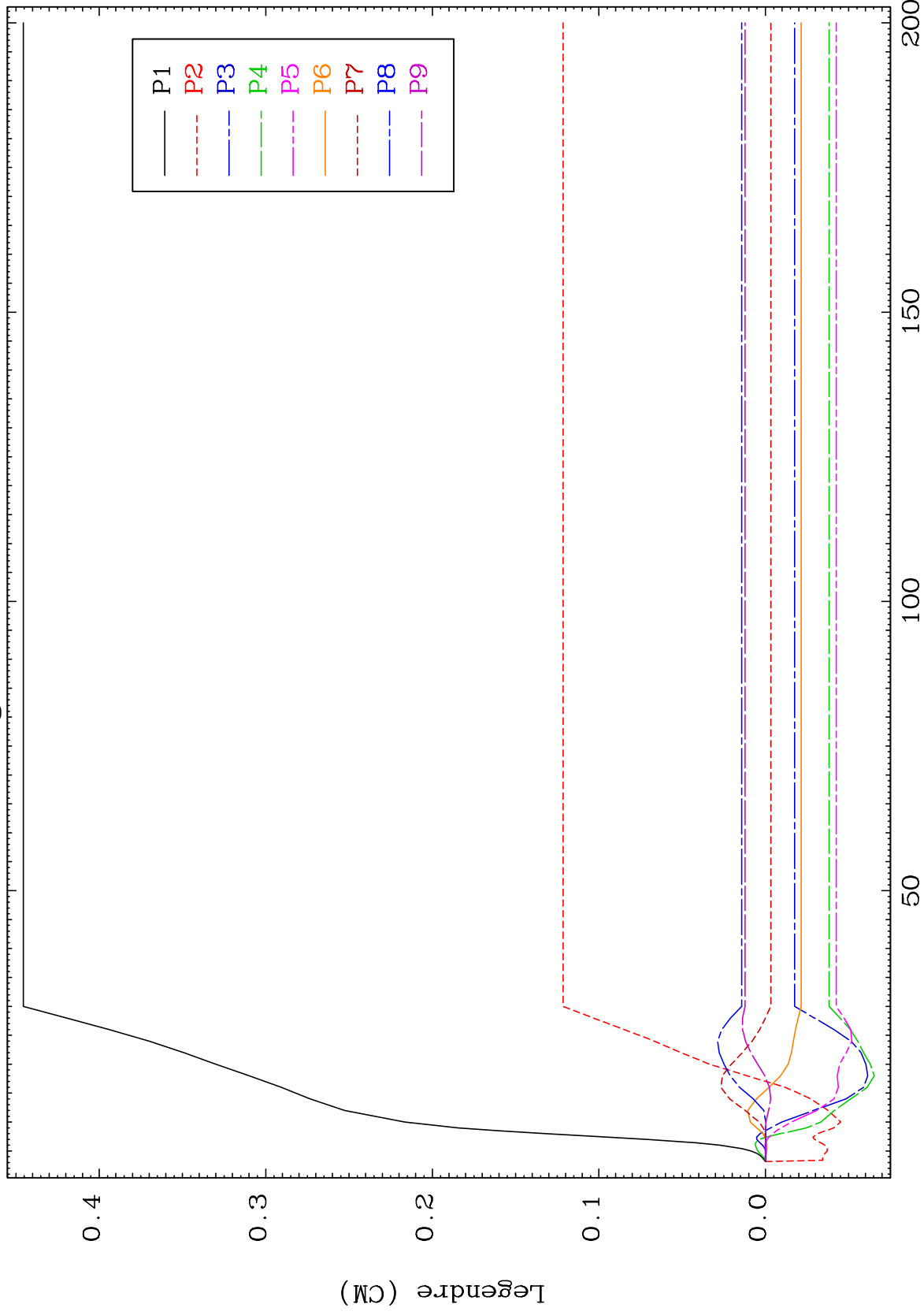
50-Sn-112



MAT 5025

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

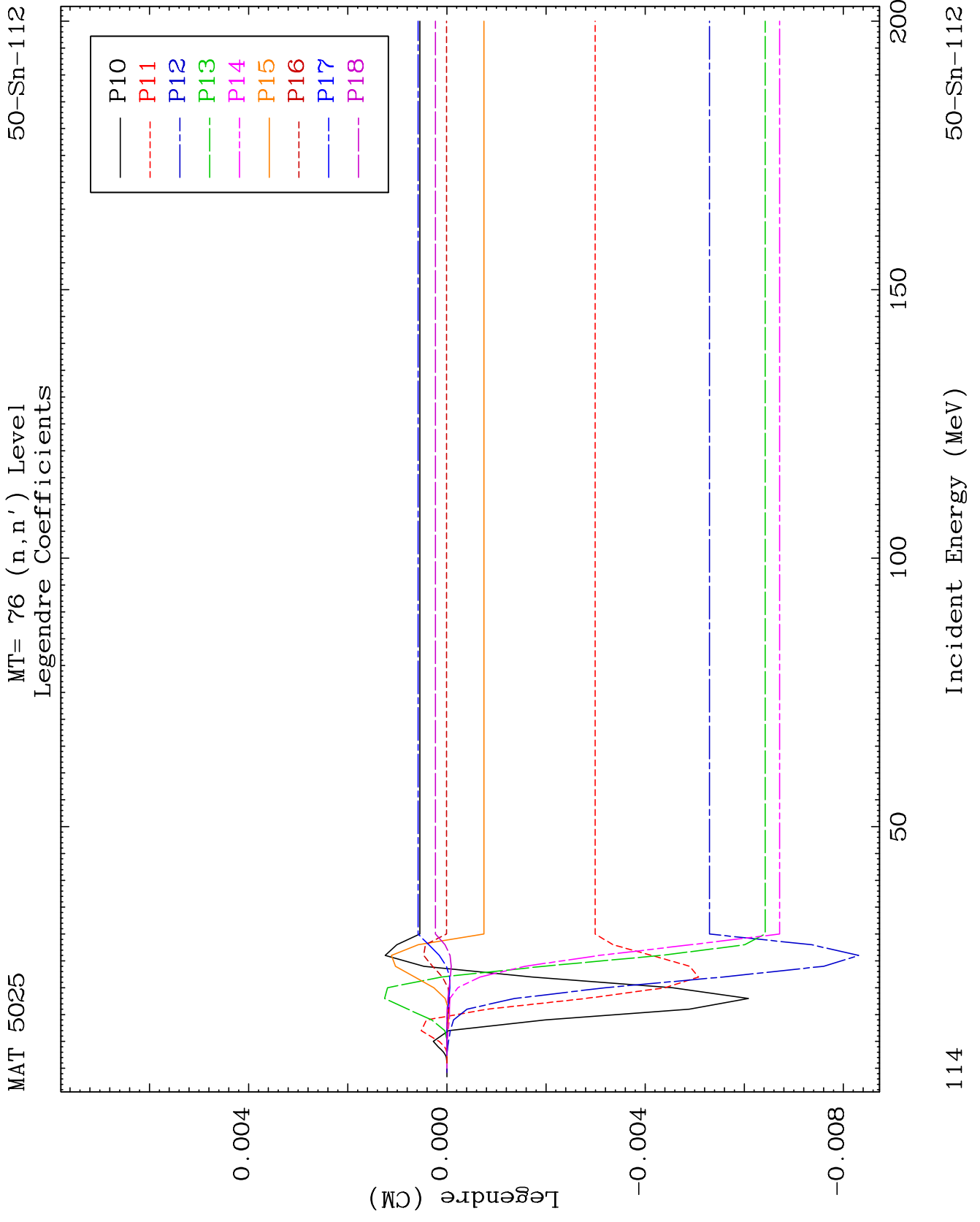
50-Sn-112

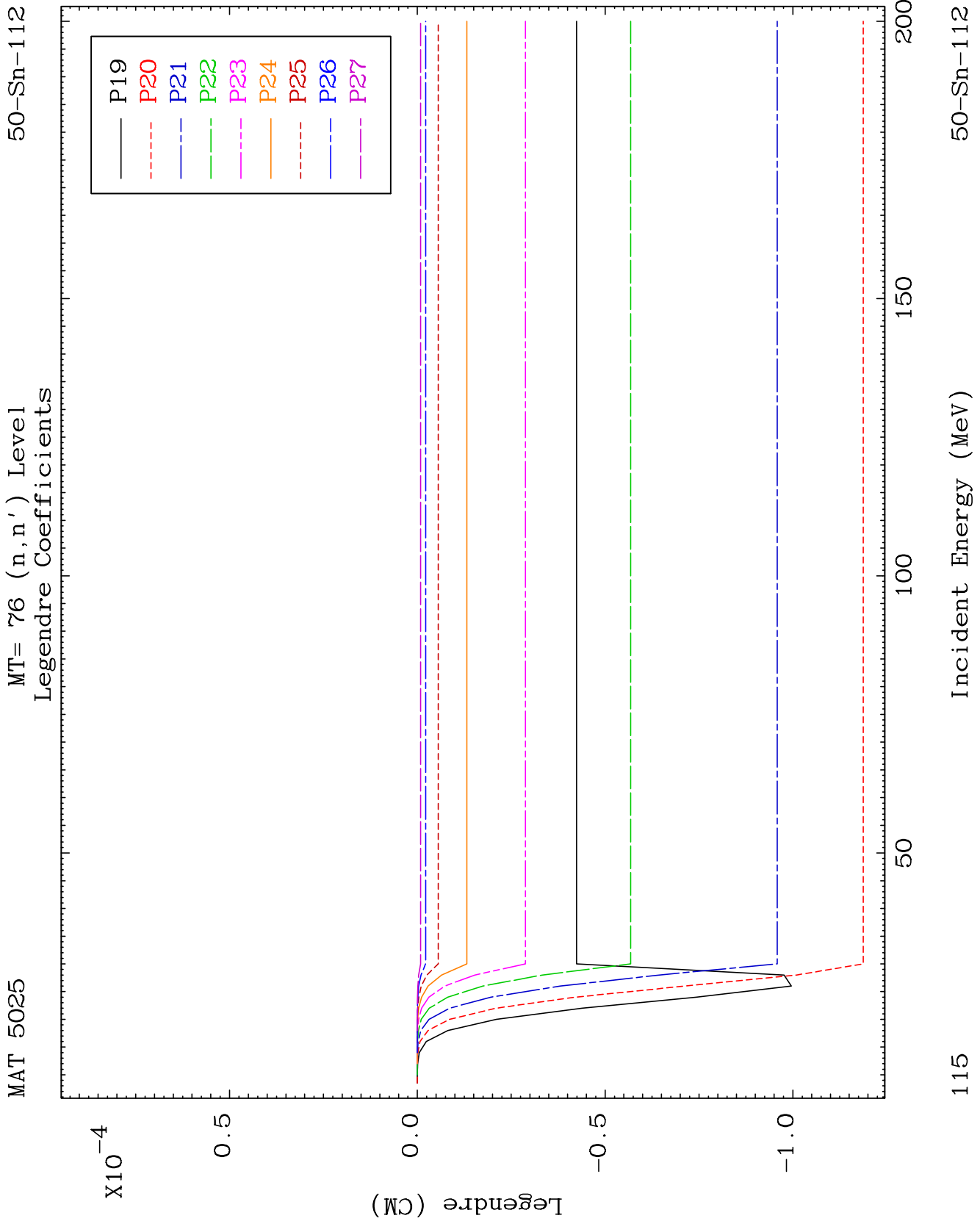


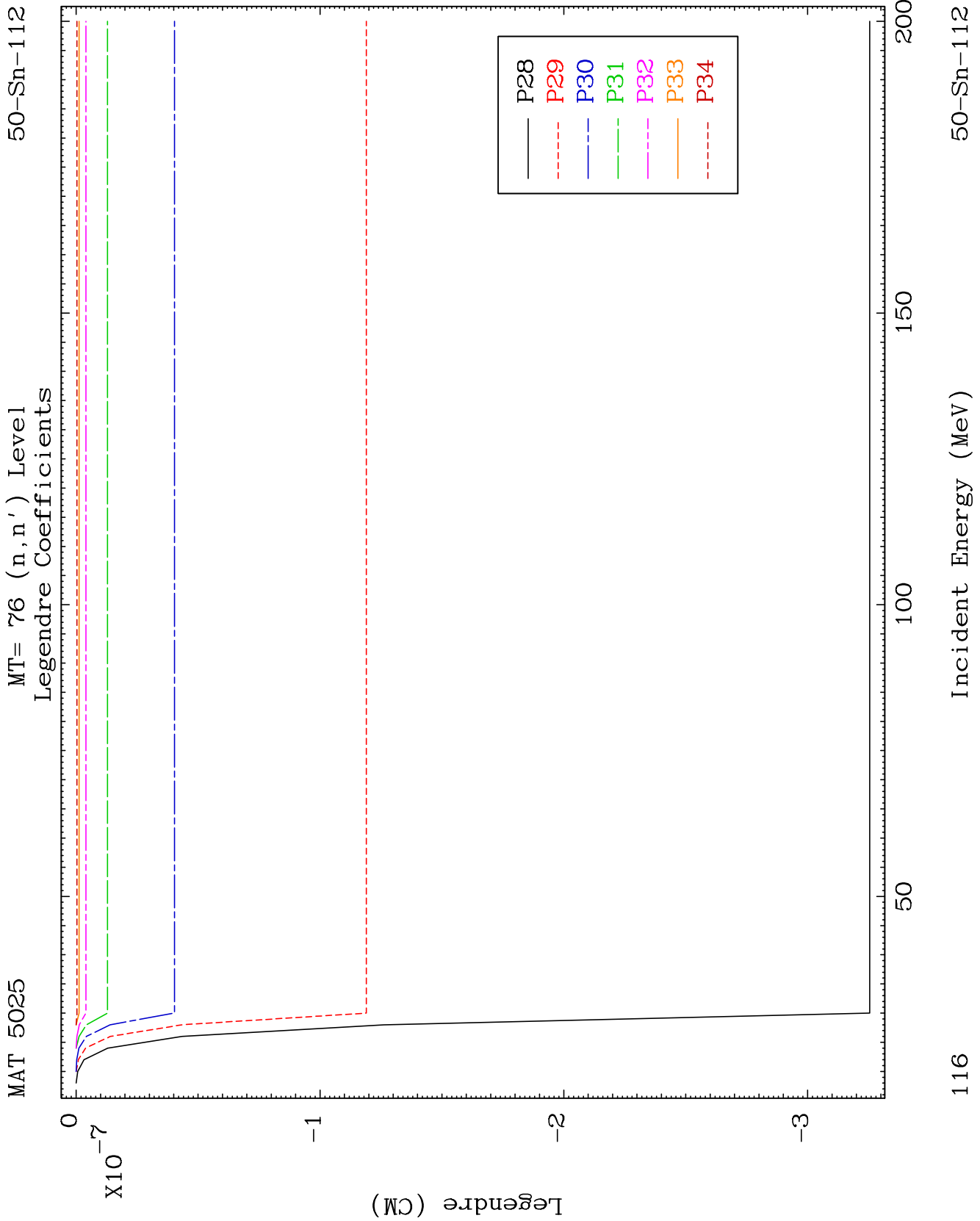
113

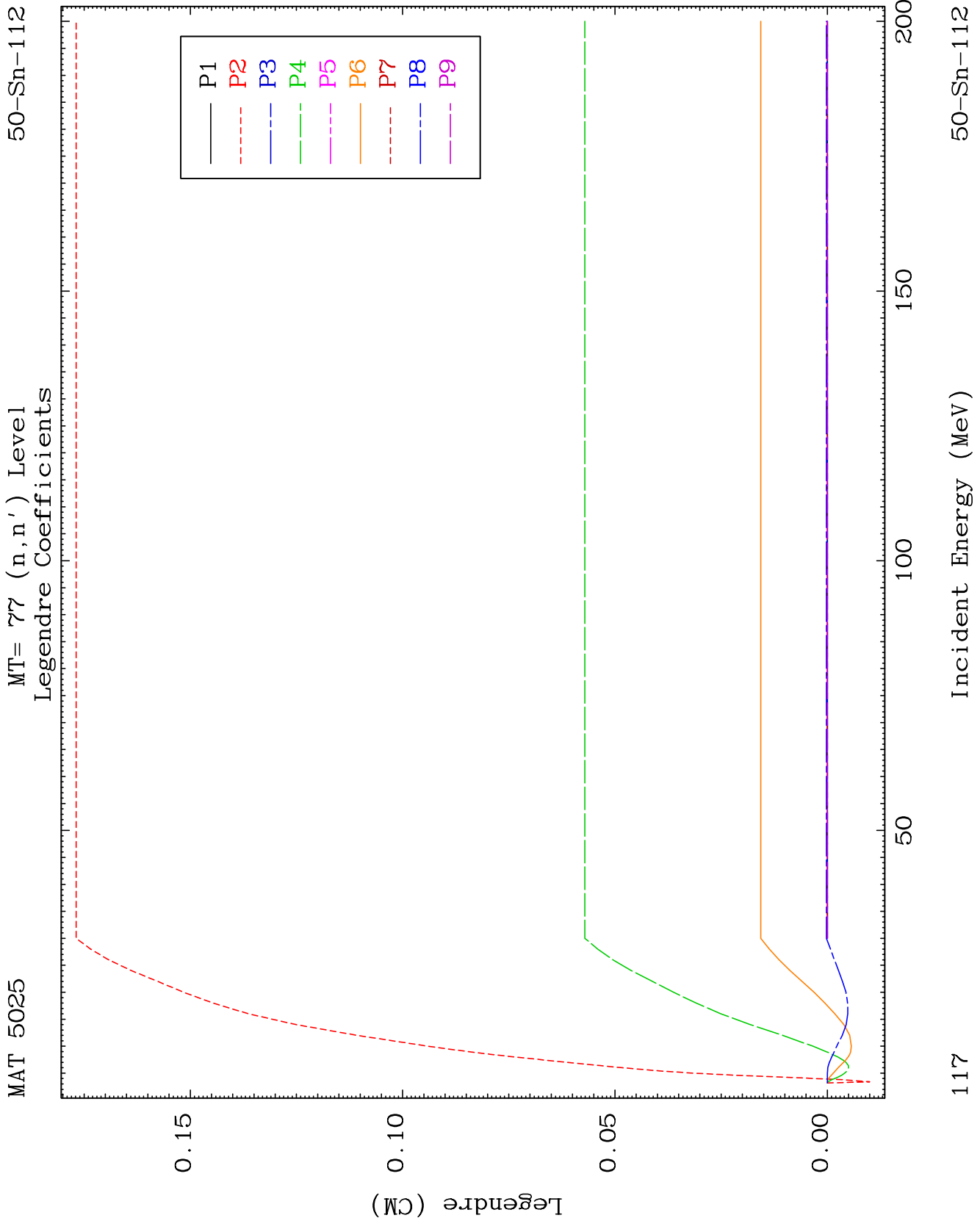
Incident Energy (MeV)

50-Sn-112





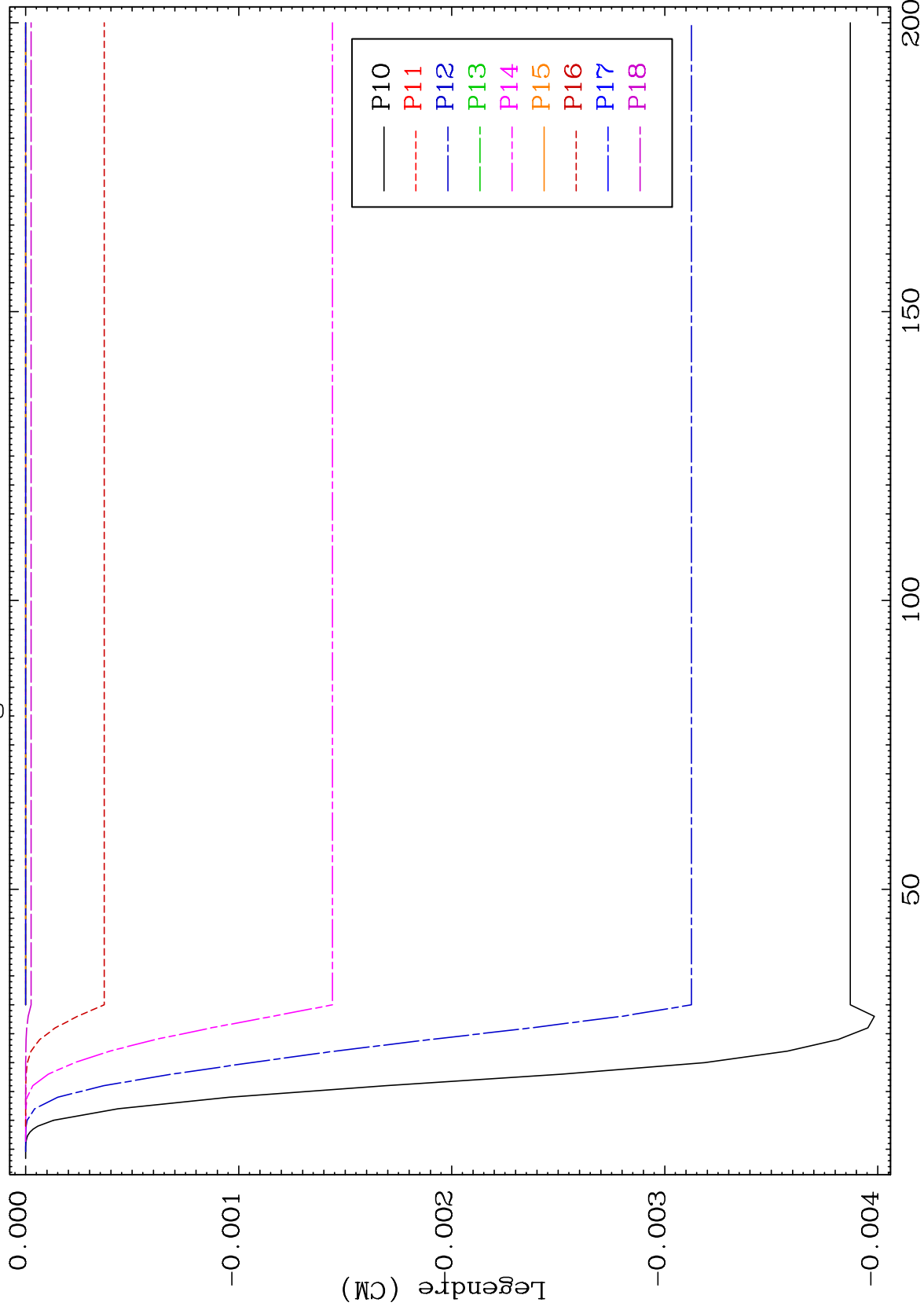




MAT 5025

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

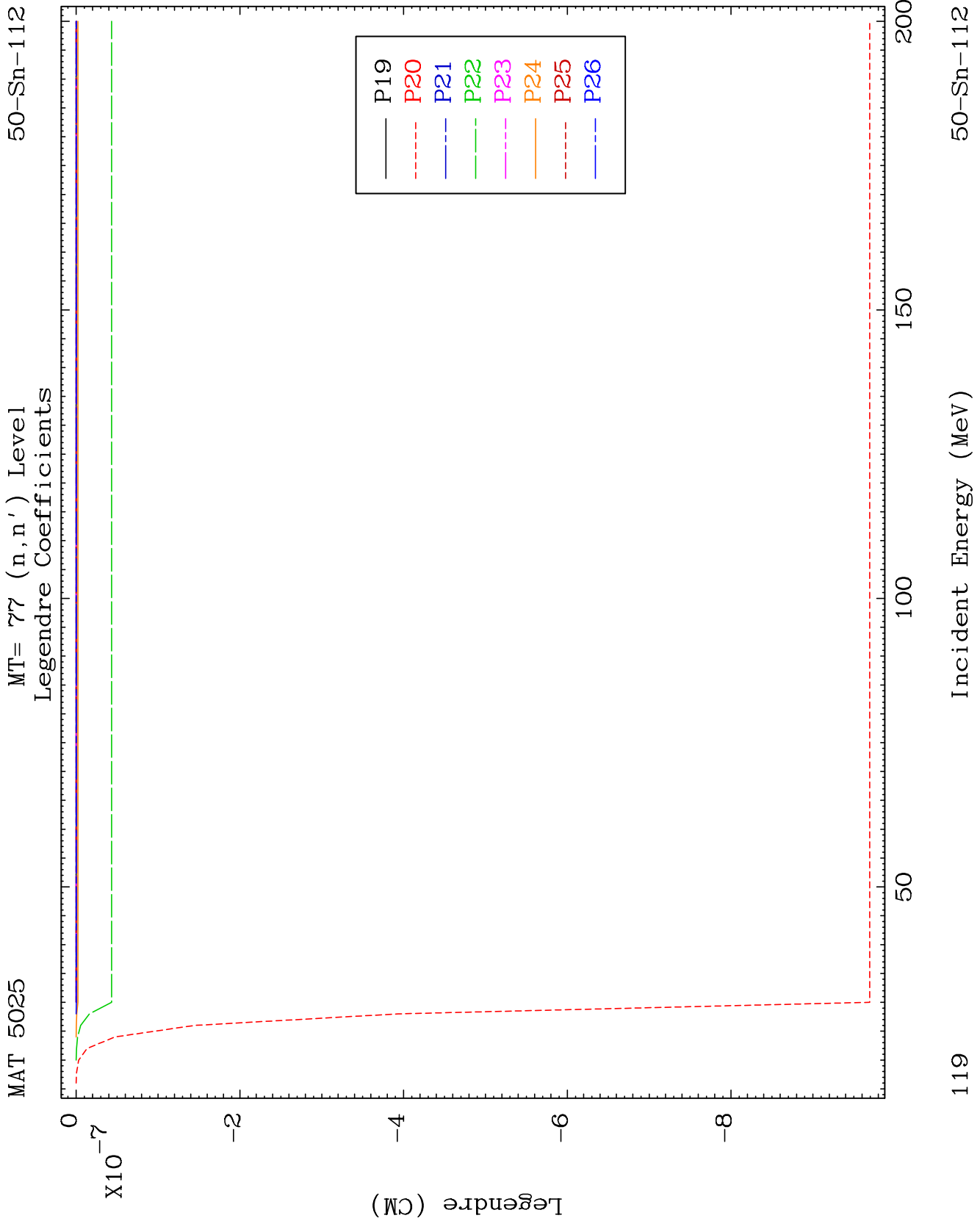
50-Sn-112

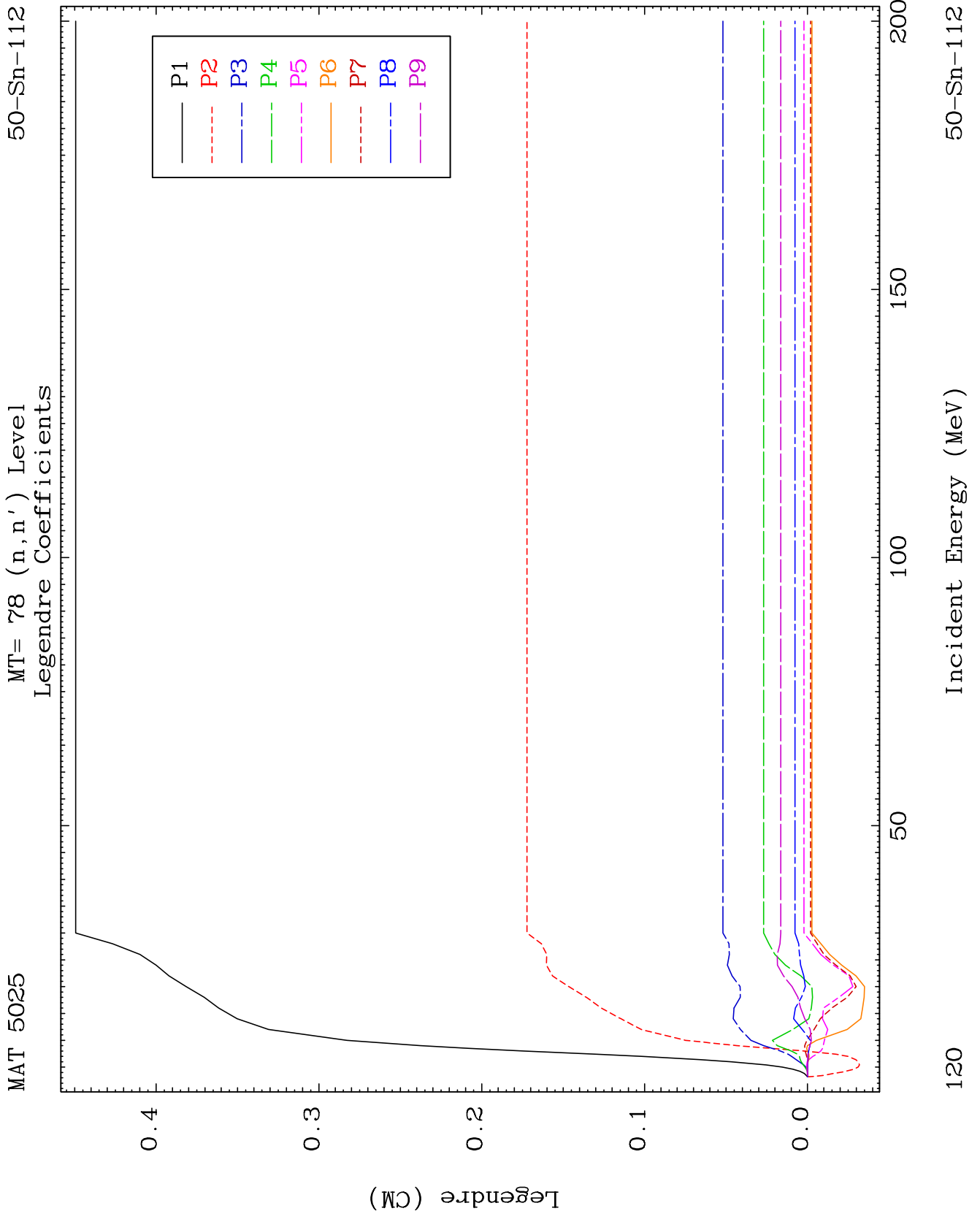


50-Sn-112

Incident Energy (MeV)

118

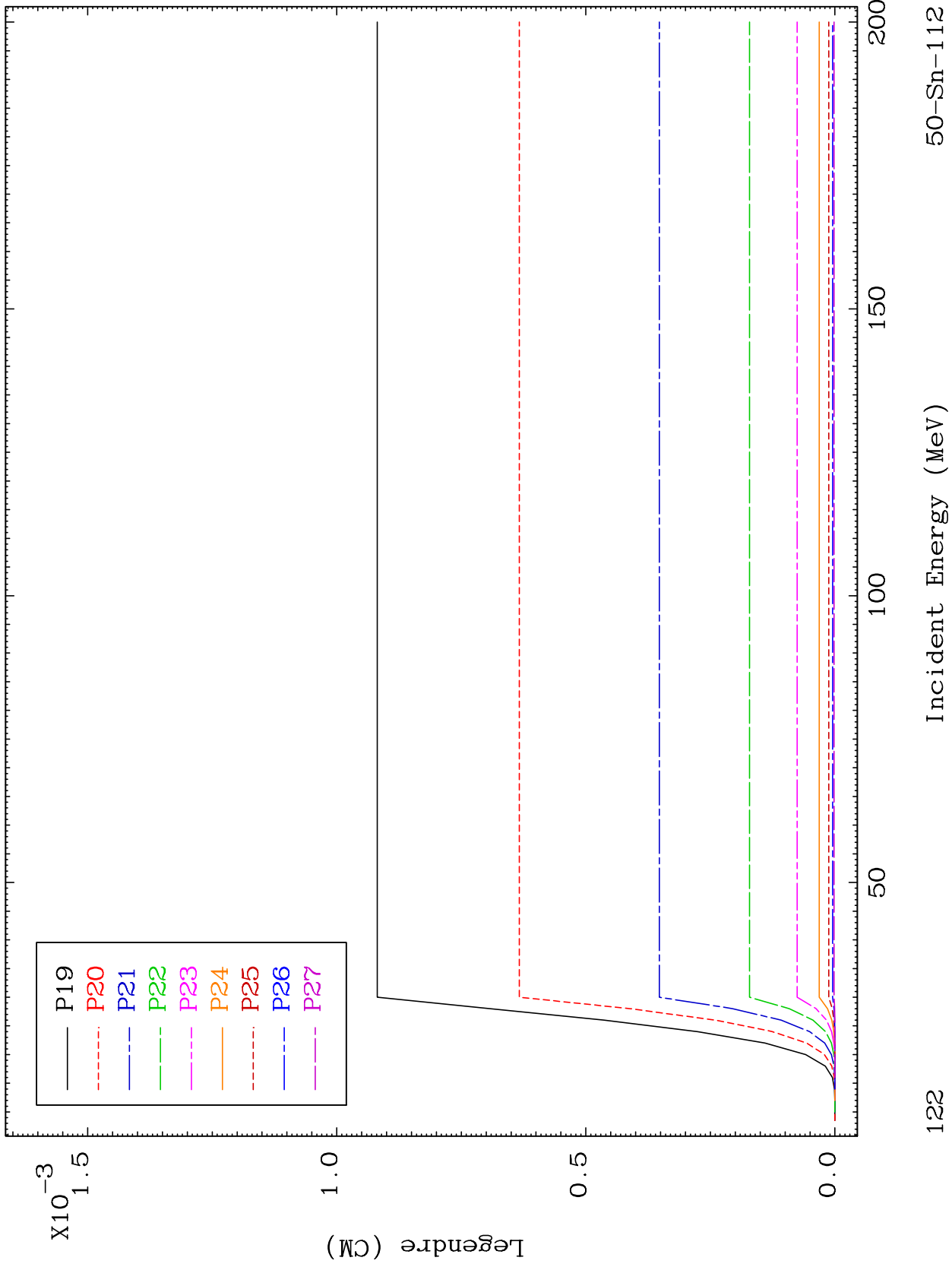




MAT 5025

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

50-Sn-112

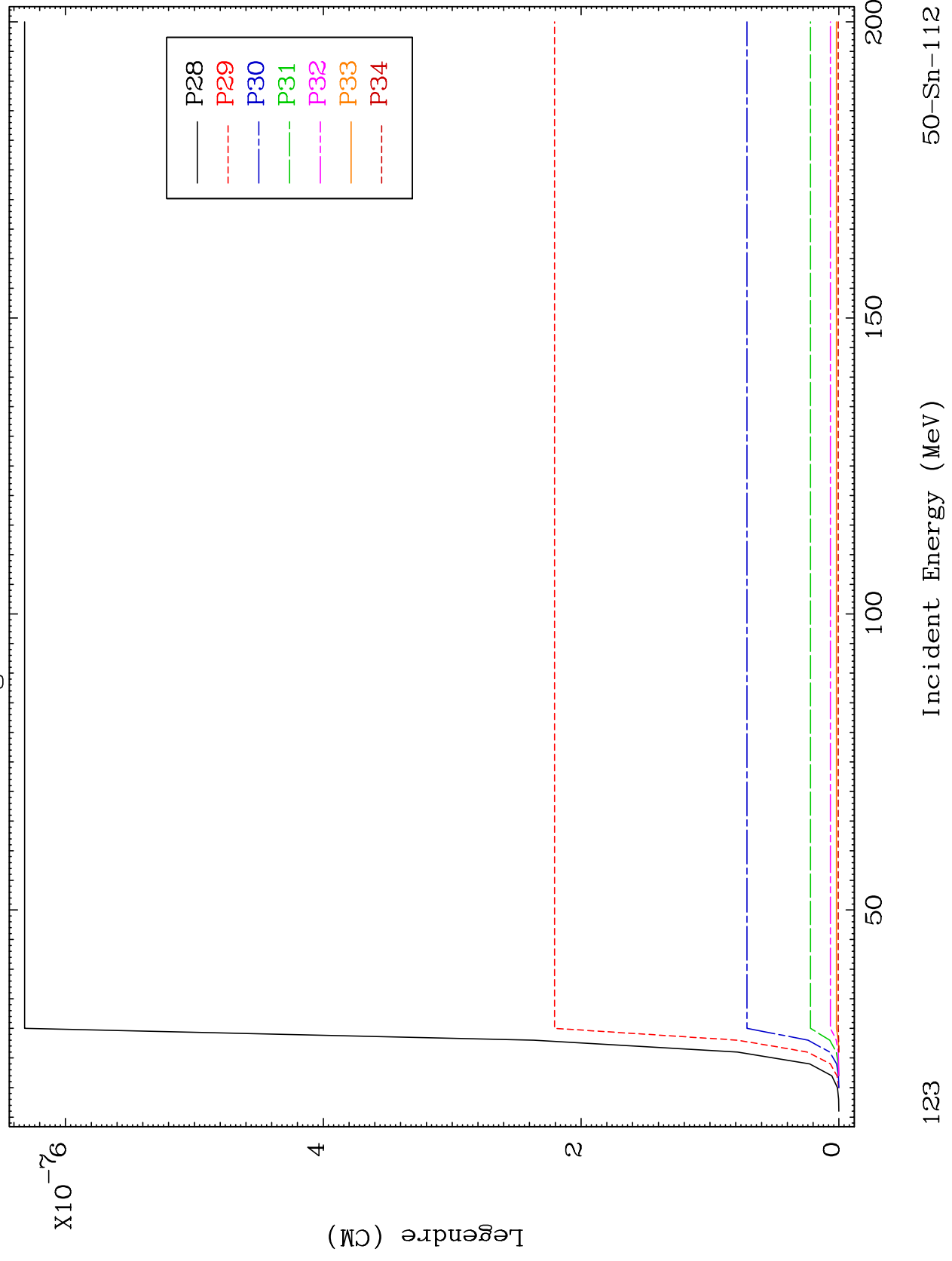


122

MAT 5025

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

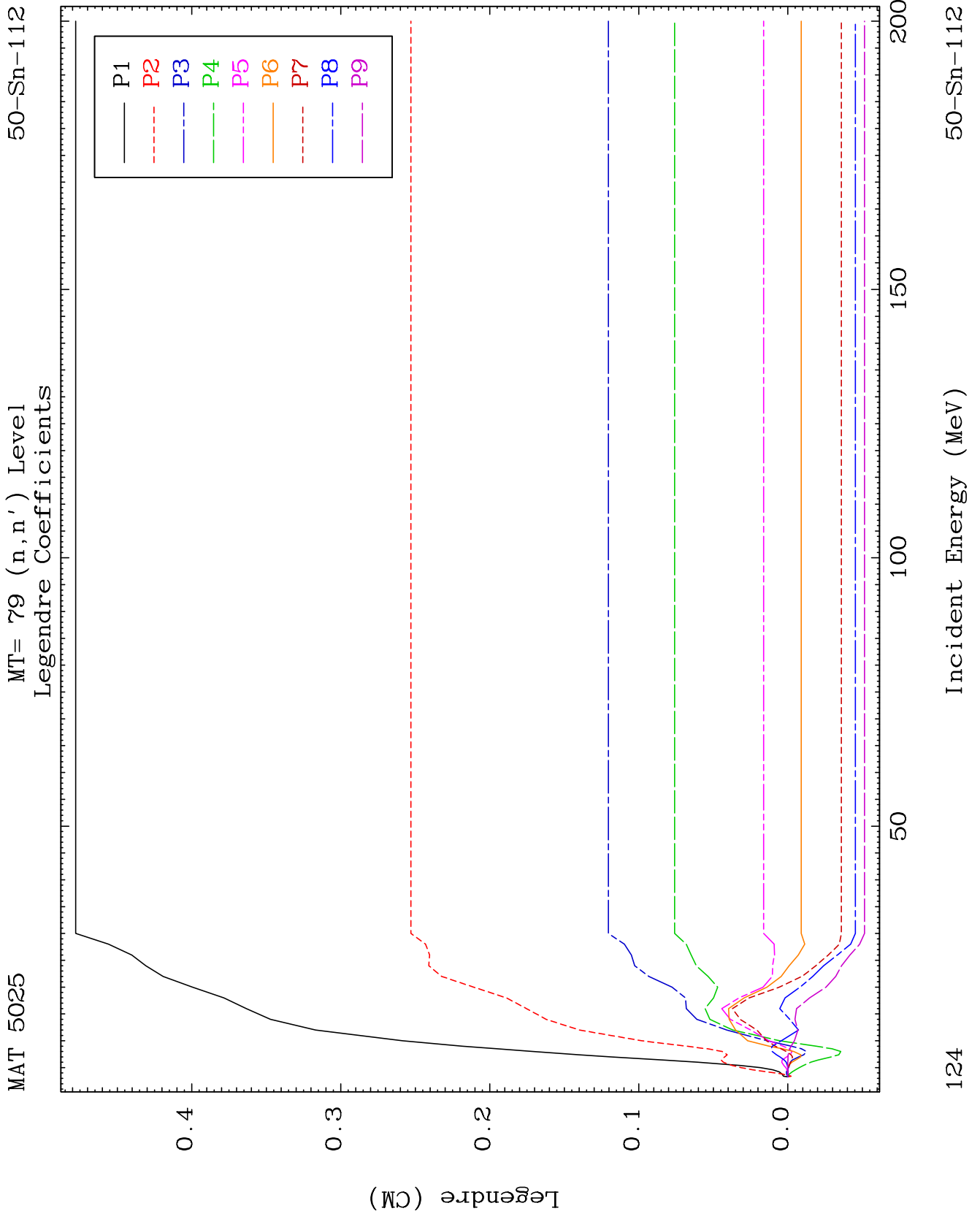
50-Sn-112

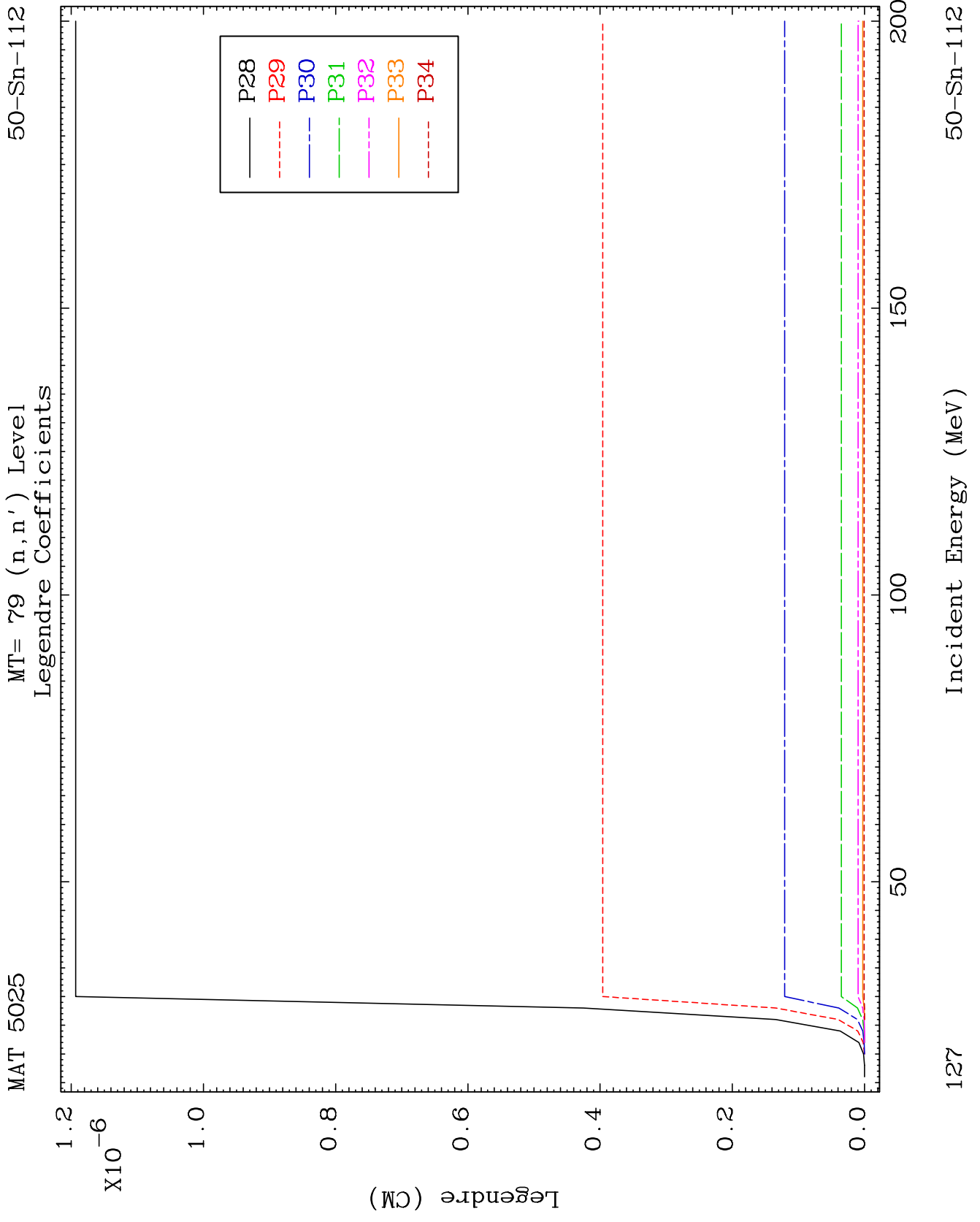


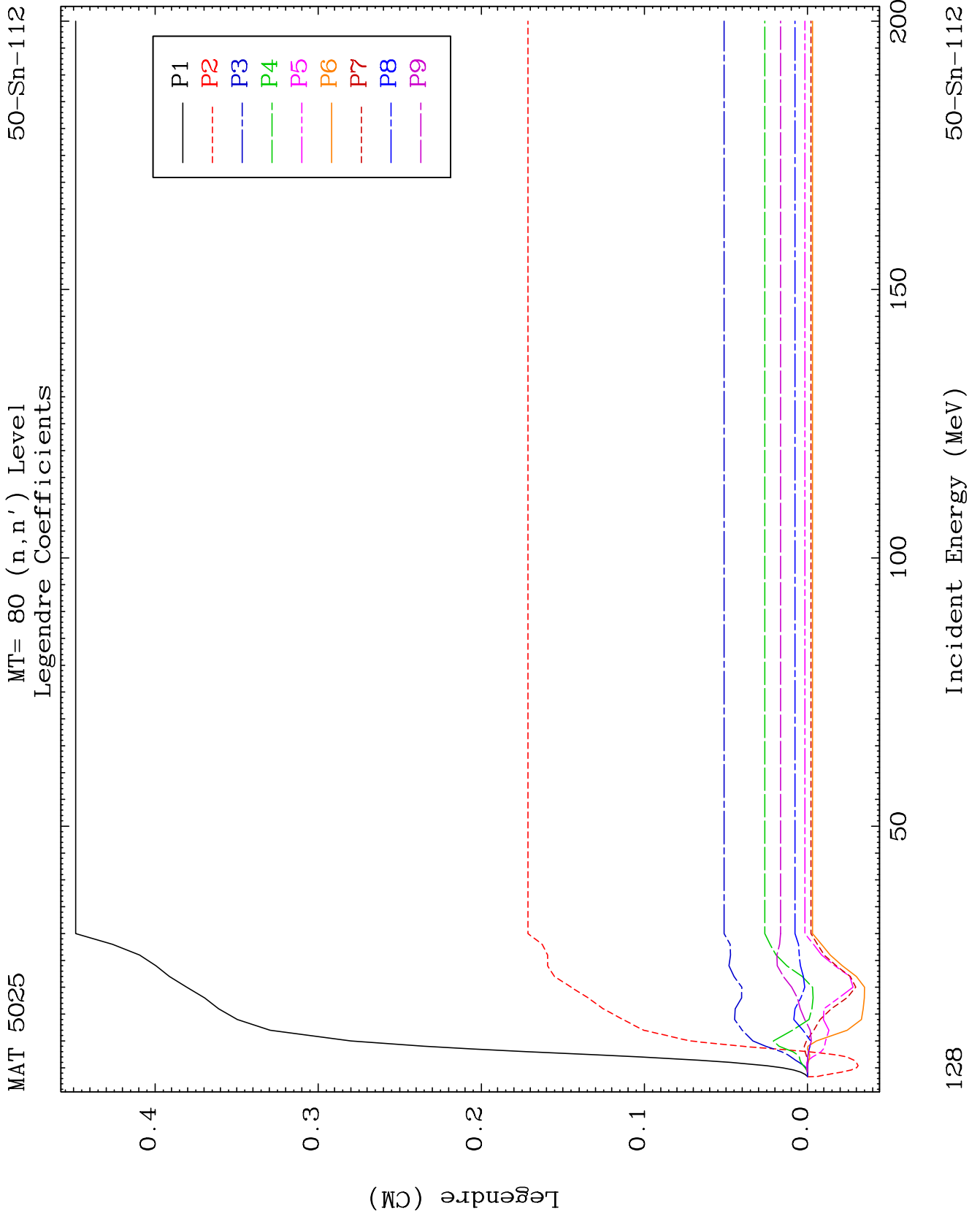
123

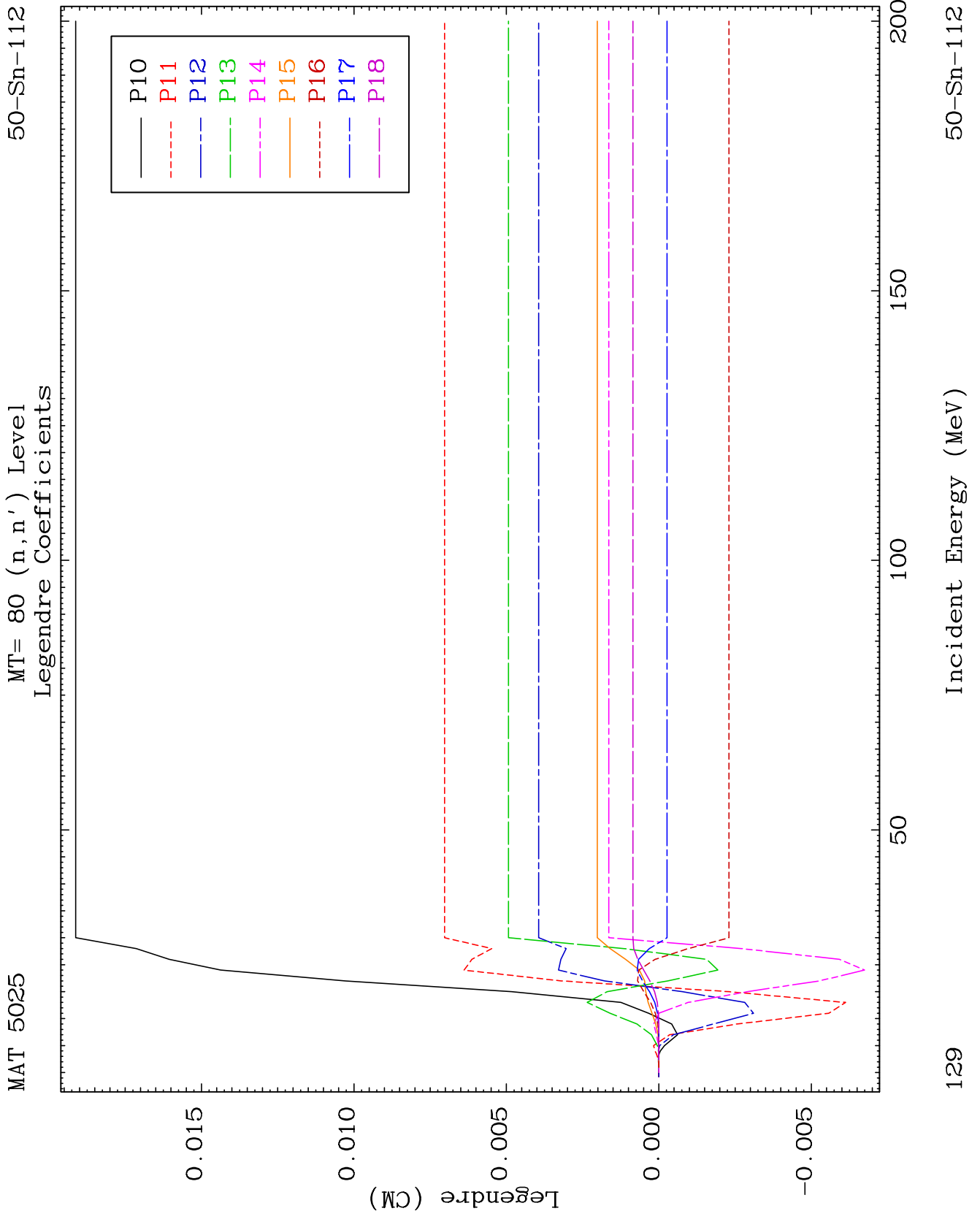
Incident Energy (MeV)

50-Sn-112





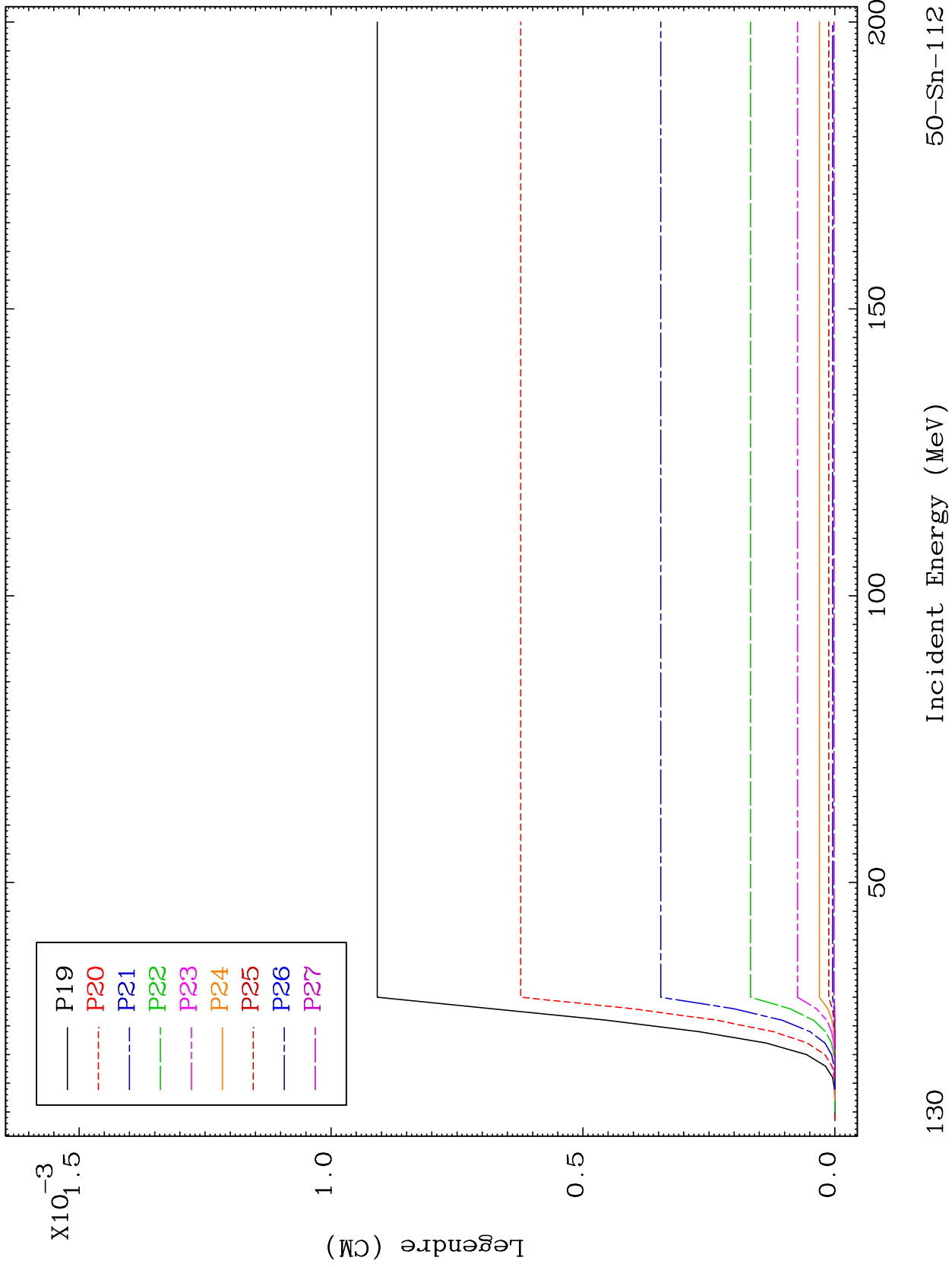


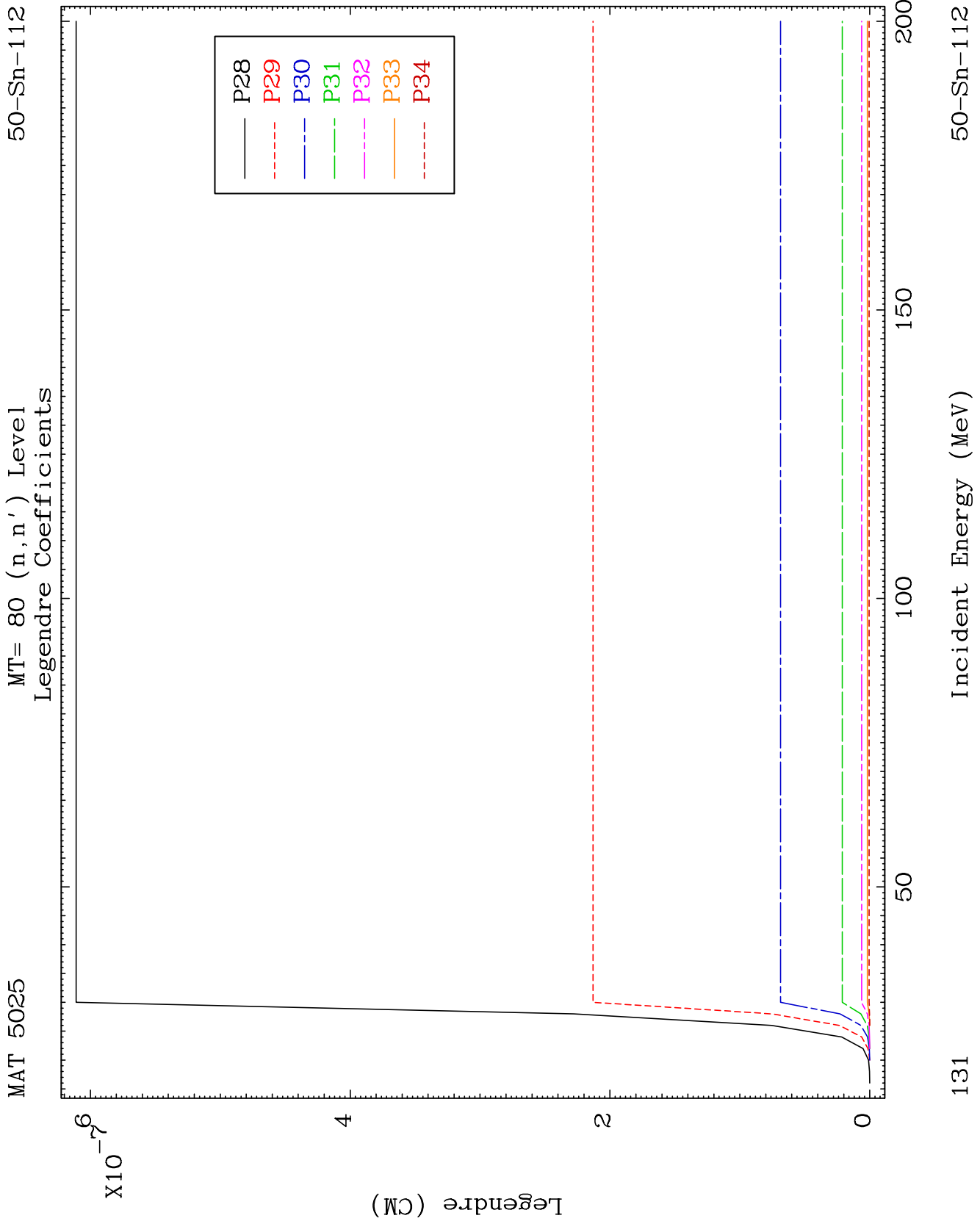


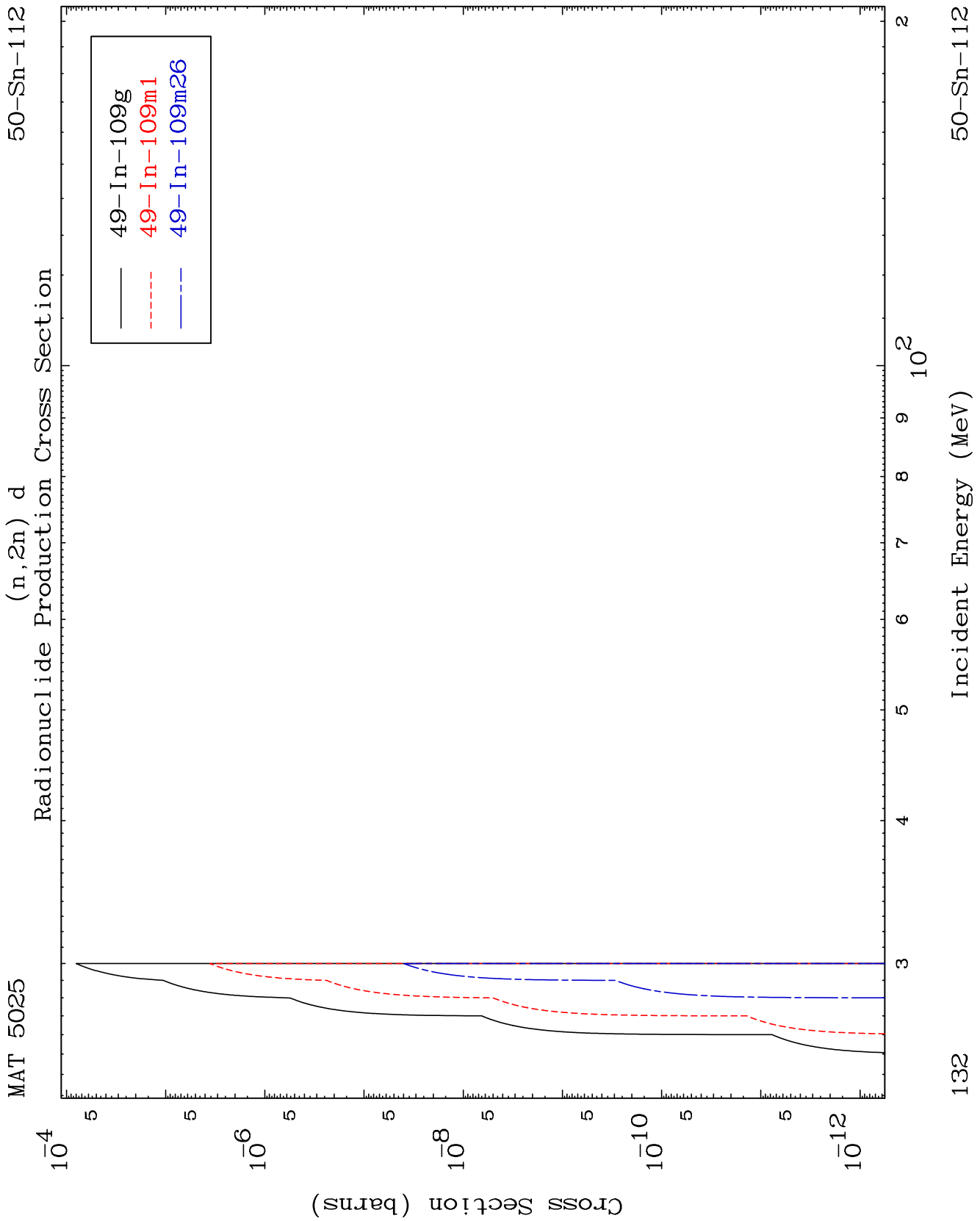
MAT 5025

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

50-Sn-112





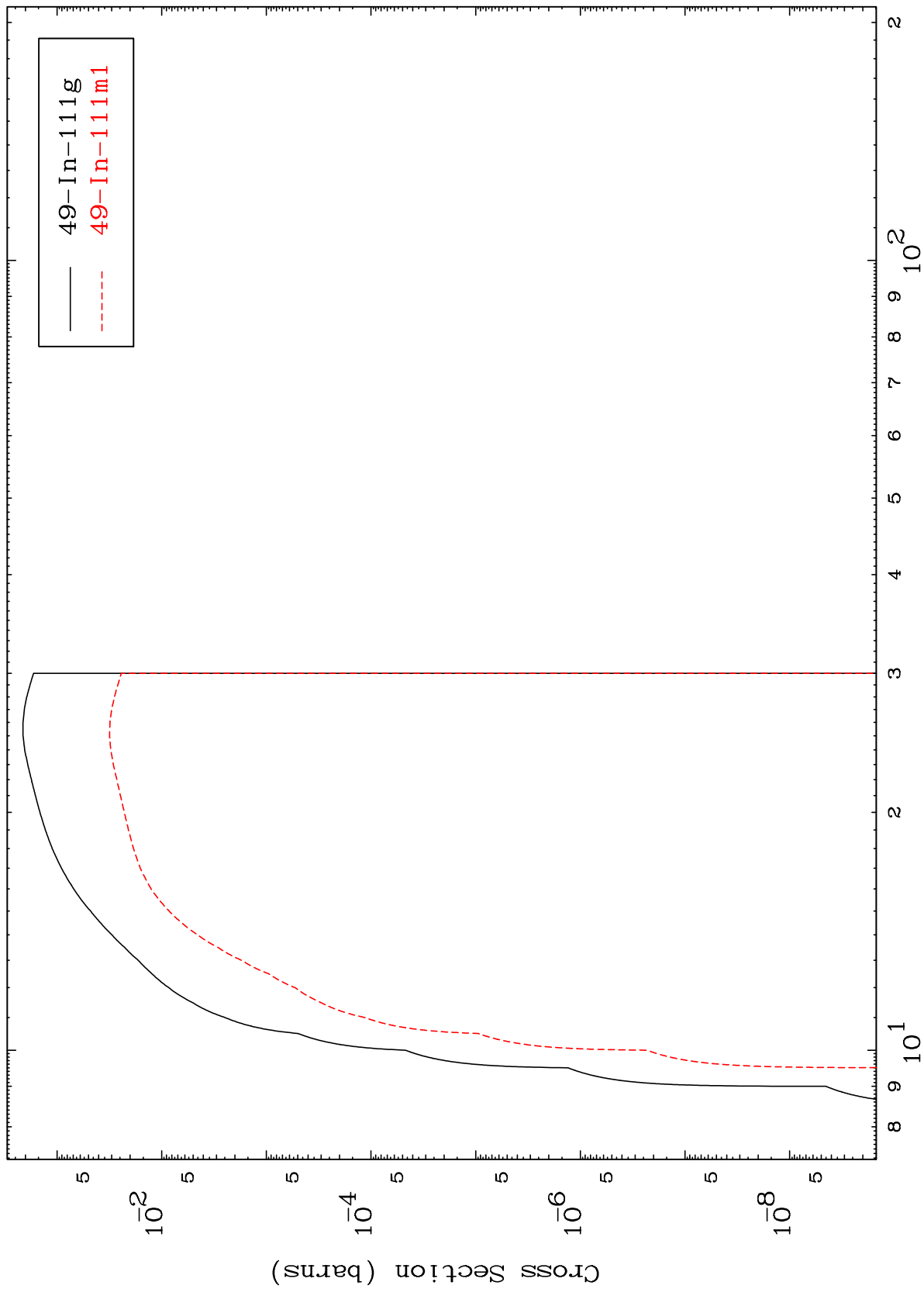


MAT 5025

(n,n') p

50-Sn-112

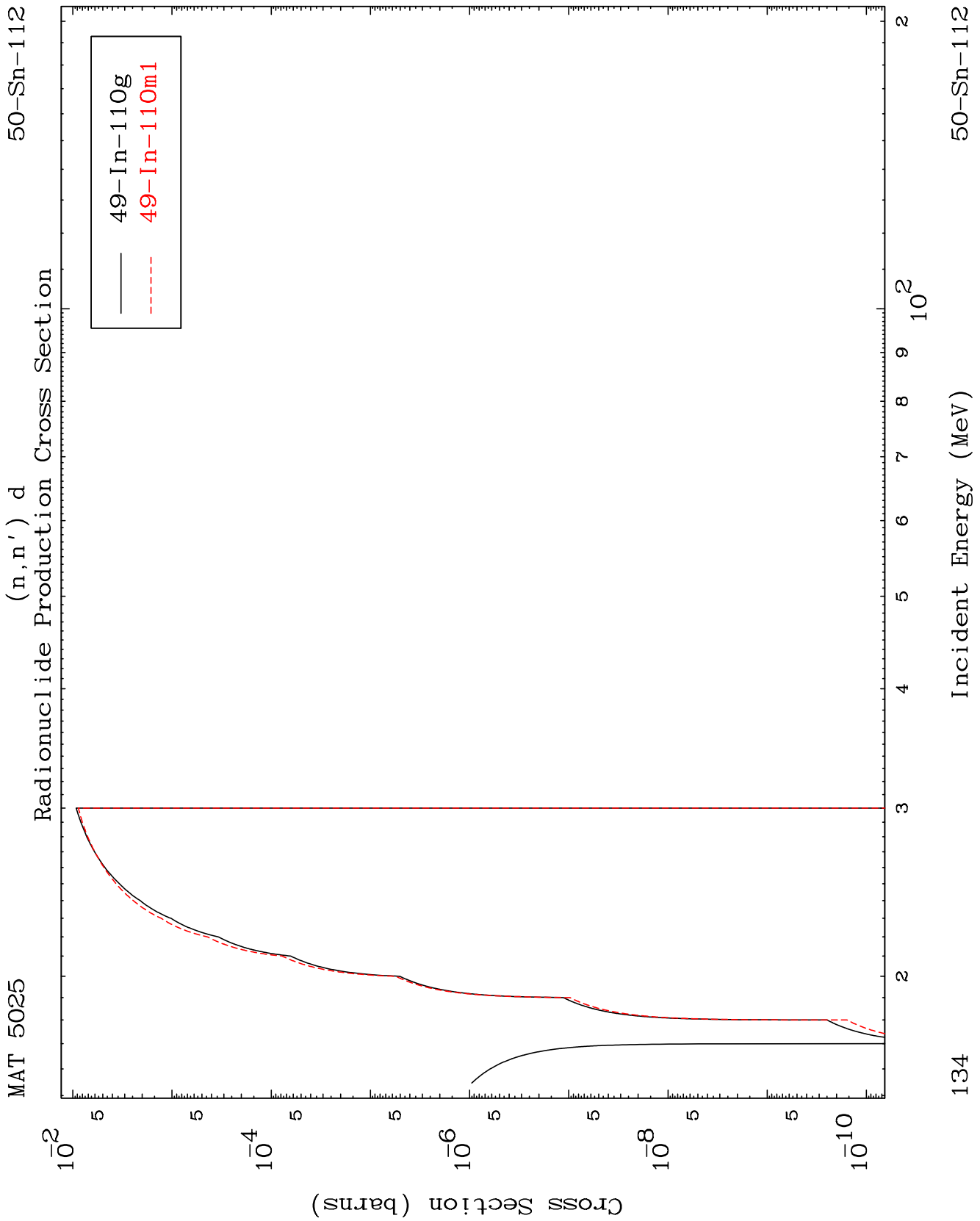
Radionuclide Production Cross Section

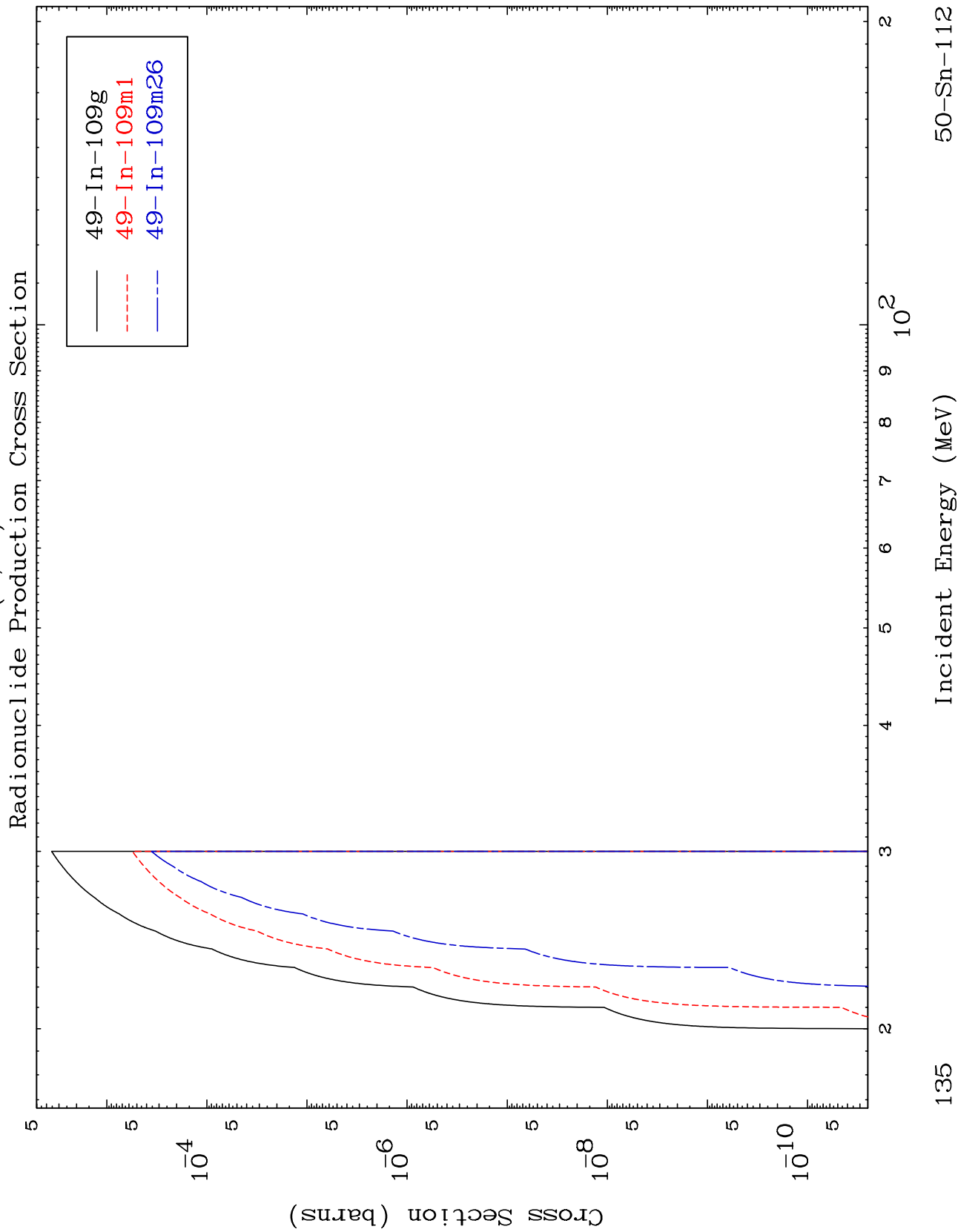


133

Incident Energy (MeV)

50-Sn-112

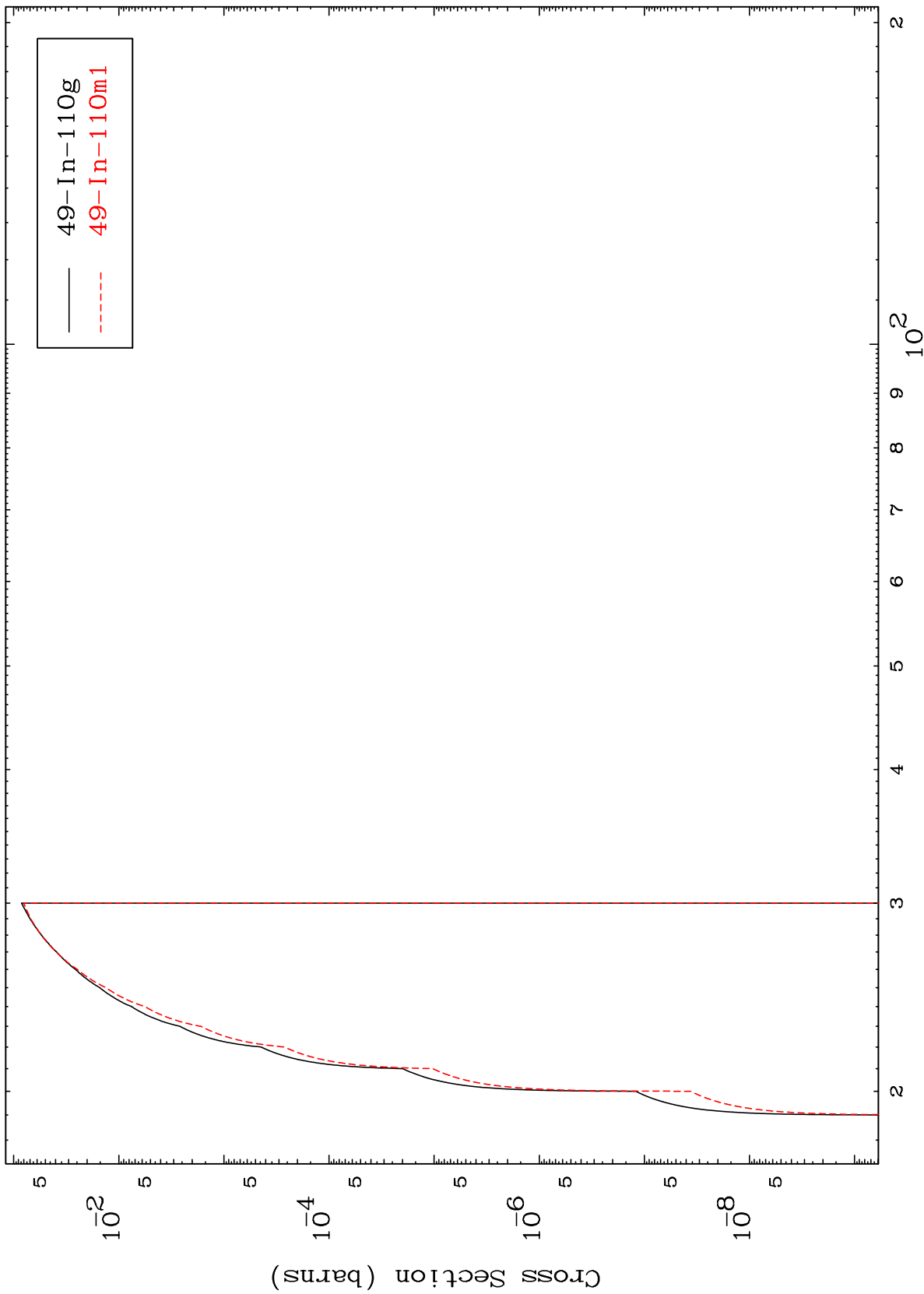




MAT 5025

50-Sn-112

(n,2n) p
Radionuclide Production Cross Section



50-Sn-112

Incident Energy (MeV)

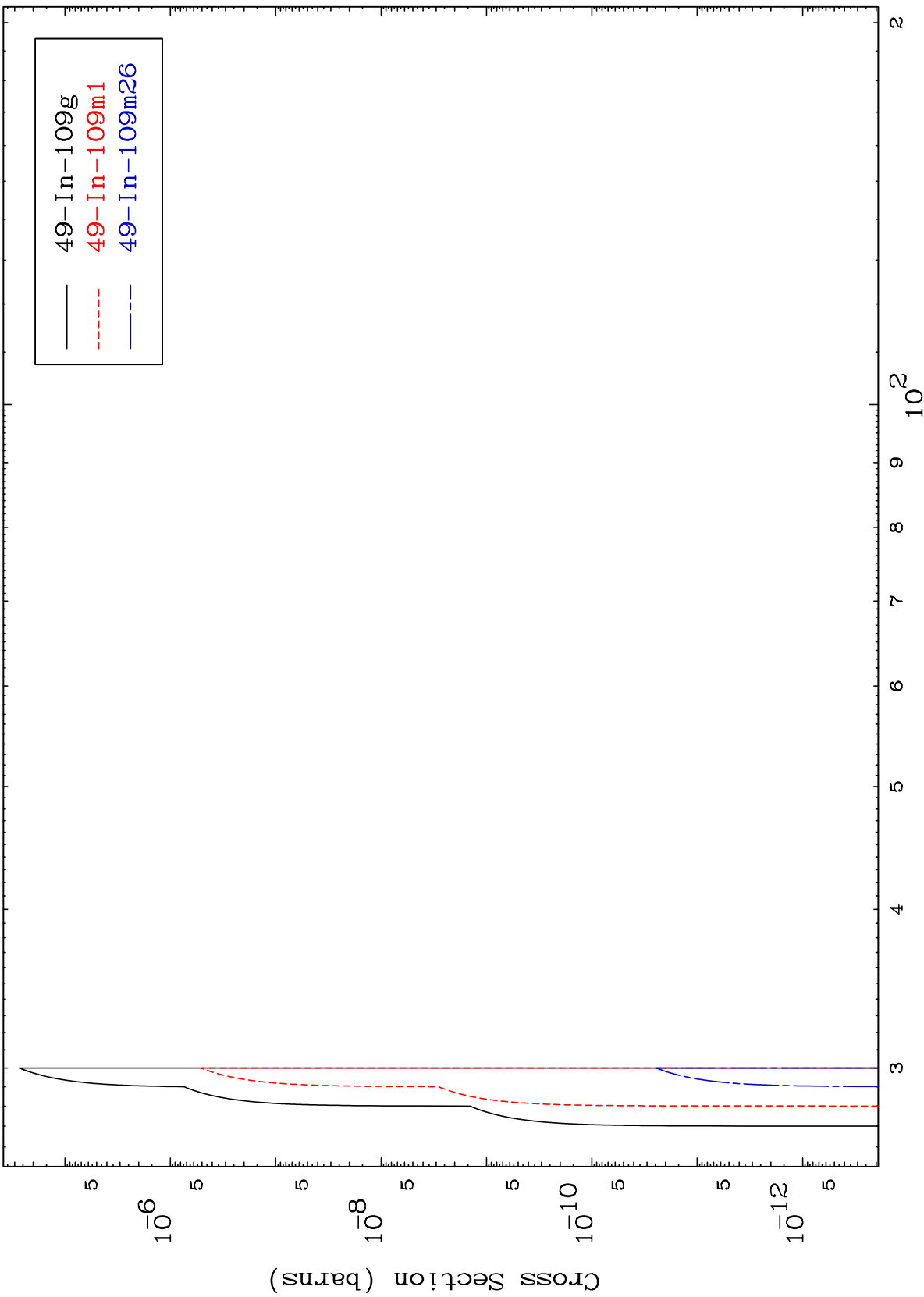
136

MAT 5025

(n,3n) p

50-Sn-112

Radionuclide Production Cross Section



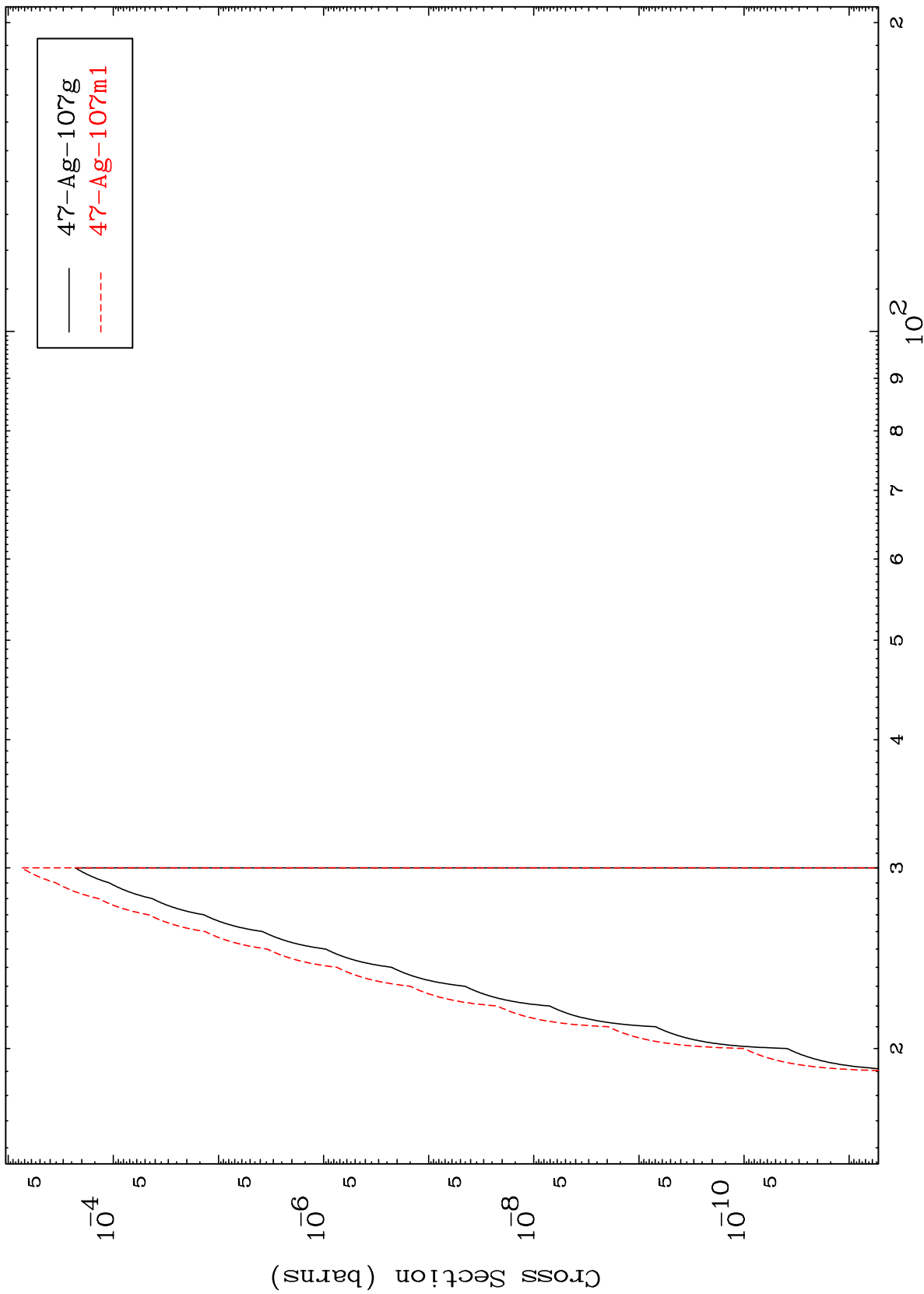
49-In-109g
49-In-109m1
49-In-109m26

137

Incident Energy (MeV)

50-Sn-112

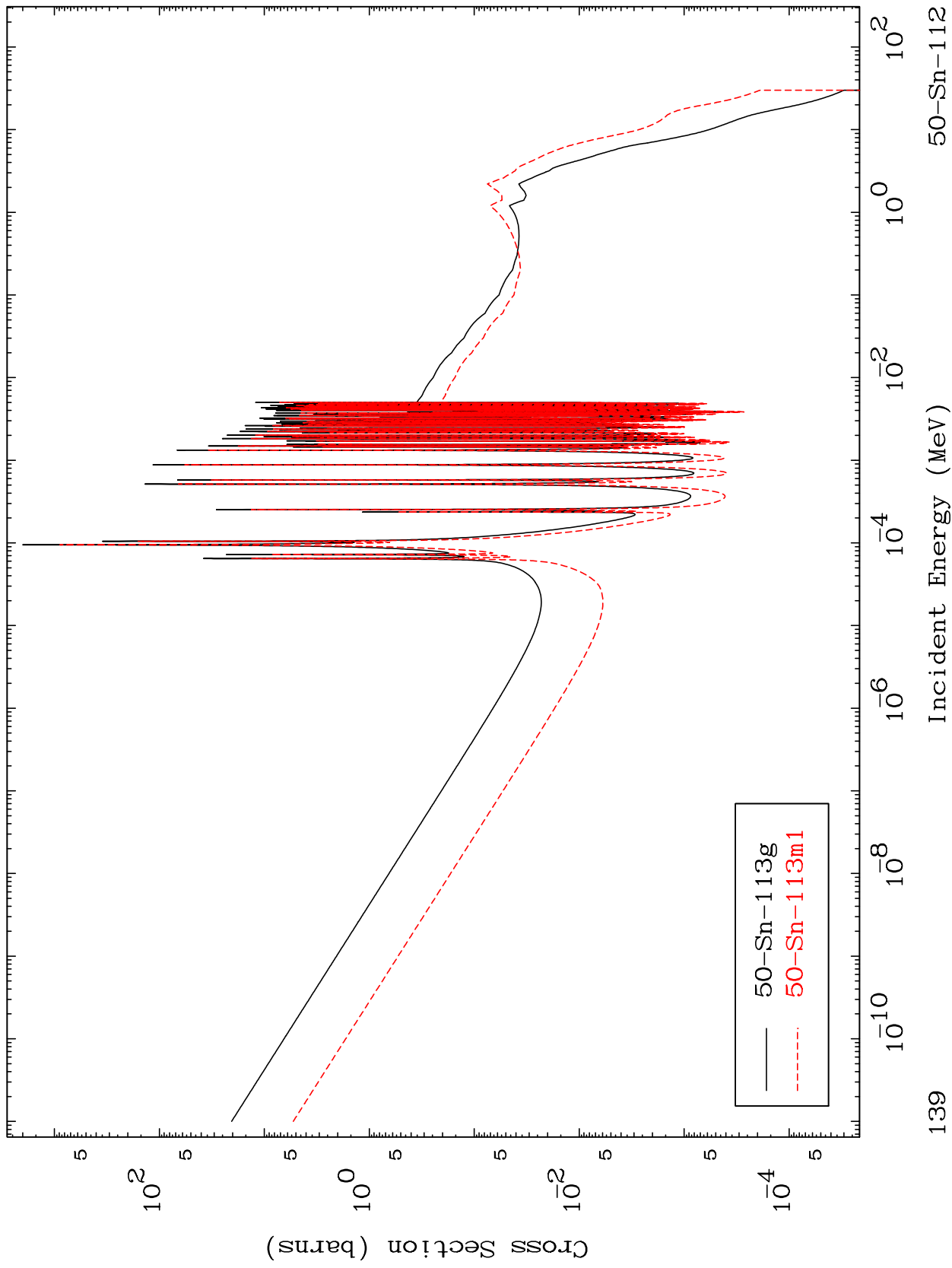
(n,n') p α
Radionuclide Production Cross Section



MAT 5025

50-Sn-112

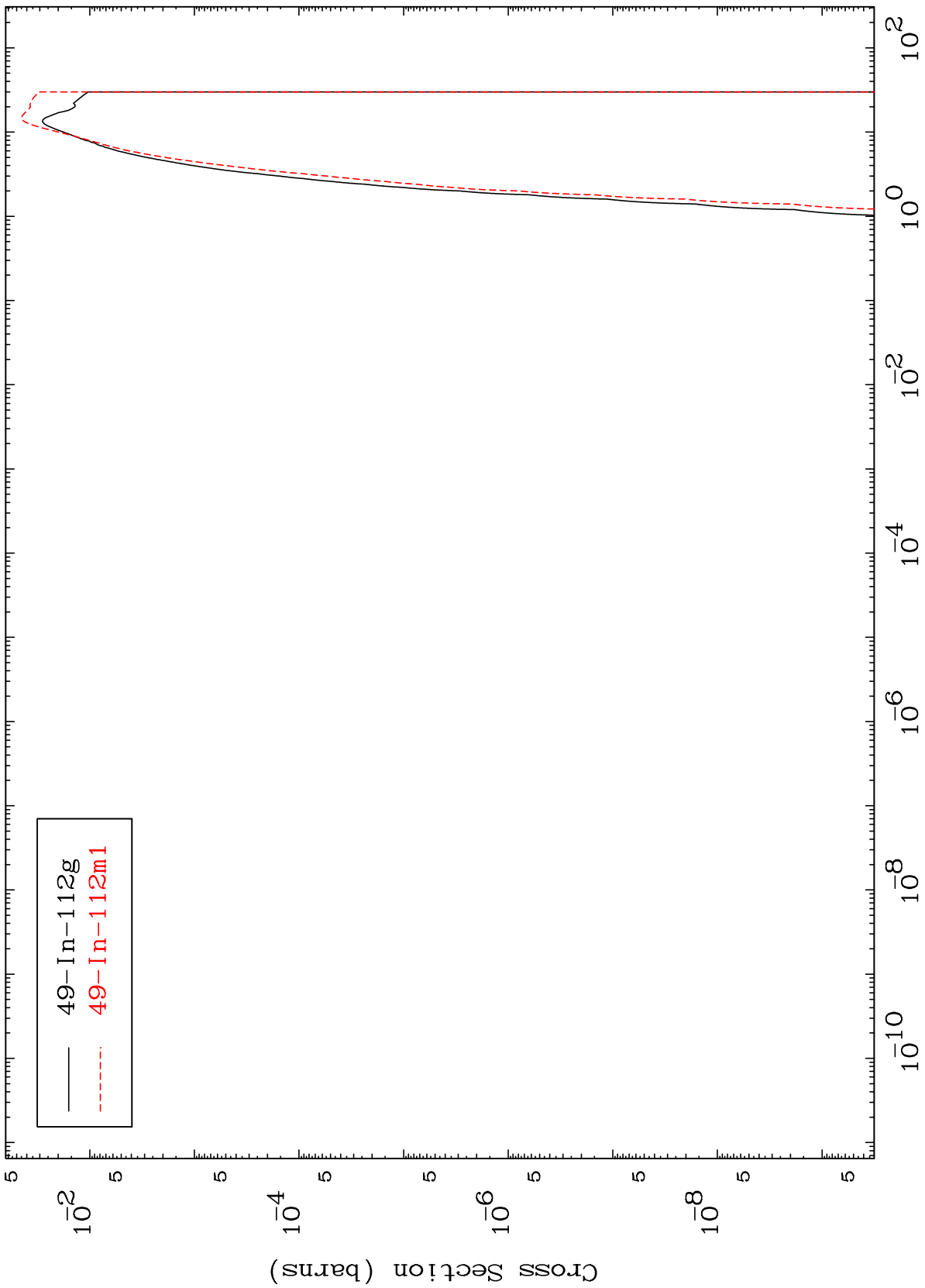
(n, γ)
Radionuclide Production Cross Section



MAT 5025

50-Sn-112

(n,p)
Radionuclide Production Cross Section



140

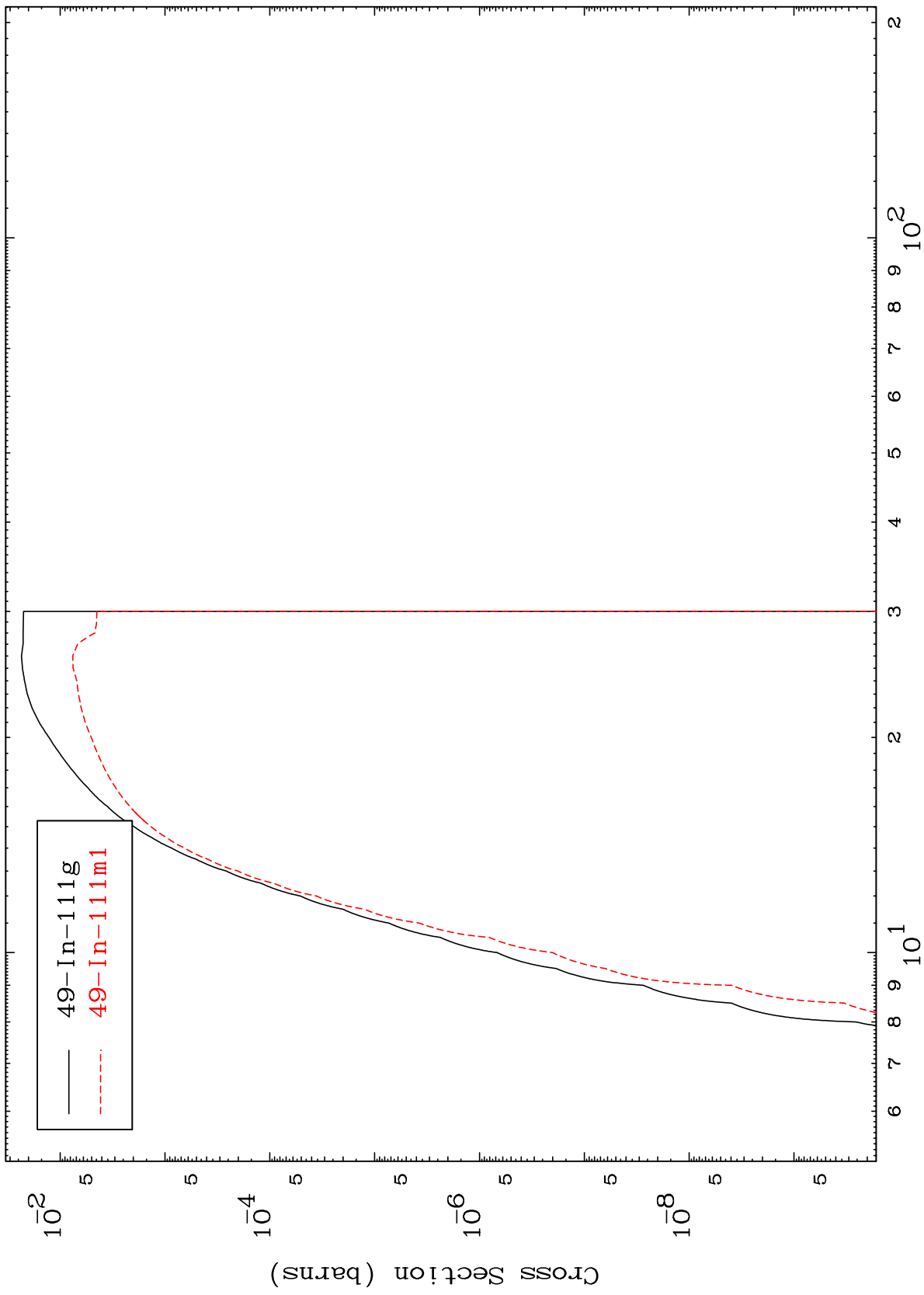
50-Sn-112

Incident Energy (MeV)

MAT 5025

50-Sn-112

(n,d)
Radionuclide Production Cross Section



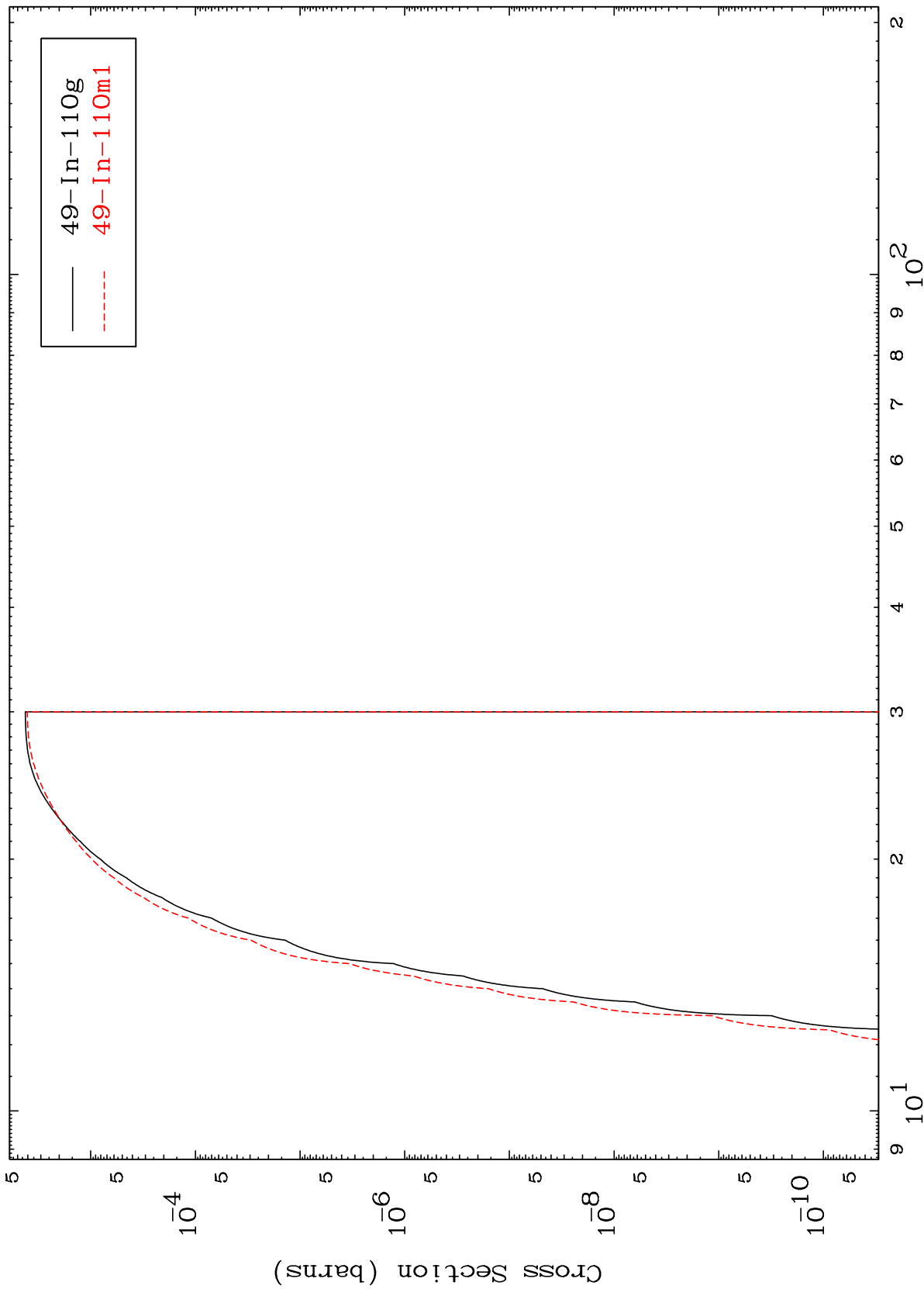
141

50-Sn-112

MAT 5025

50-Sn-112

(n,t)
Radionuclide Production Cross Section



50-Sn-112

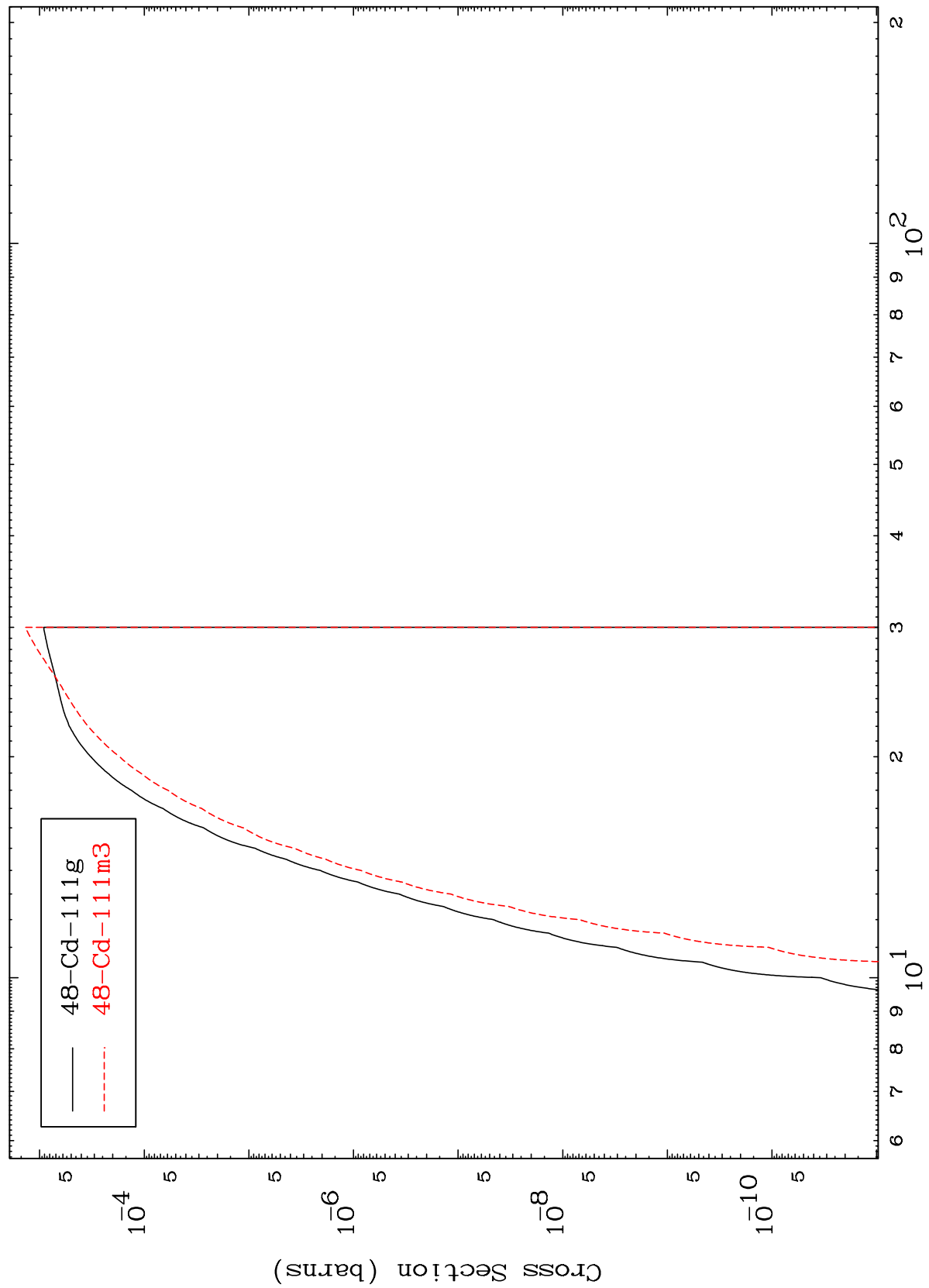
Incident Energy (MeV)

142

MAT 5025

50-Sn-112

(n,2p)
Radionuclide Production Cross Section



143

Incident Energy (MeV)

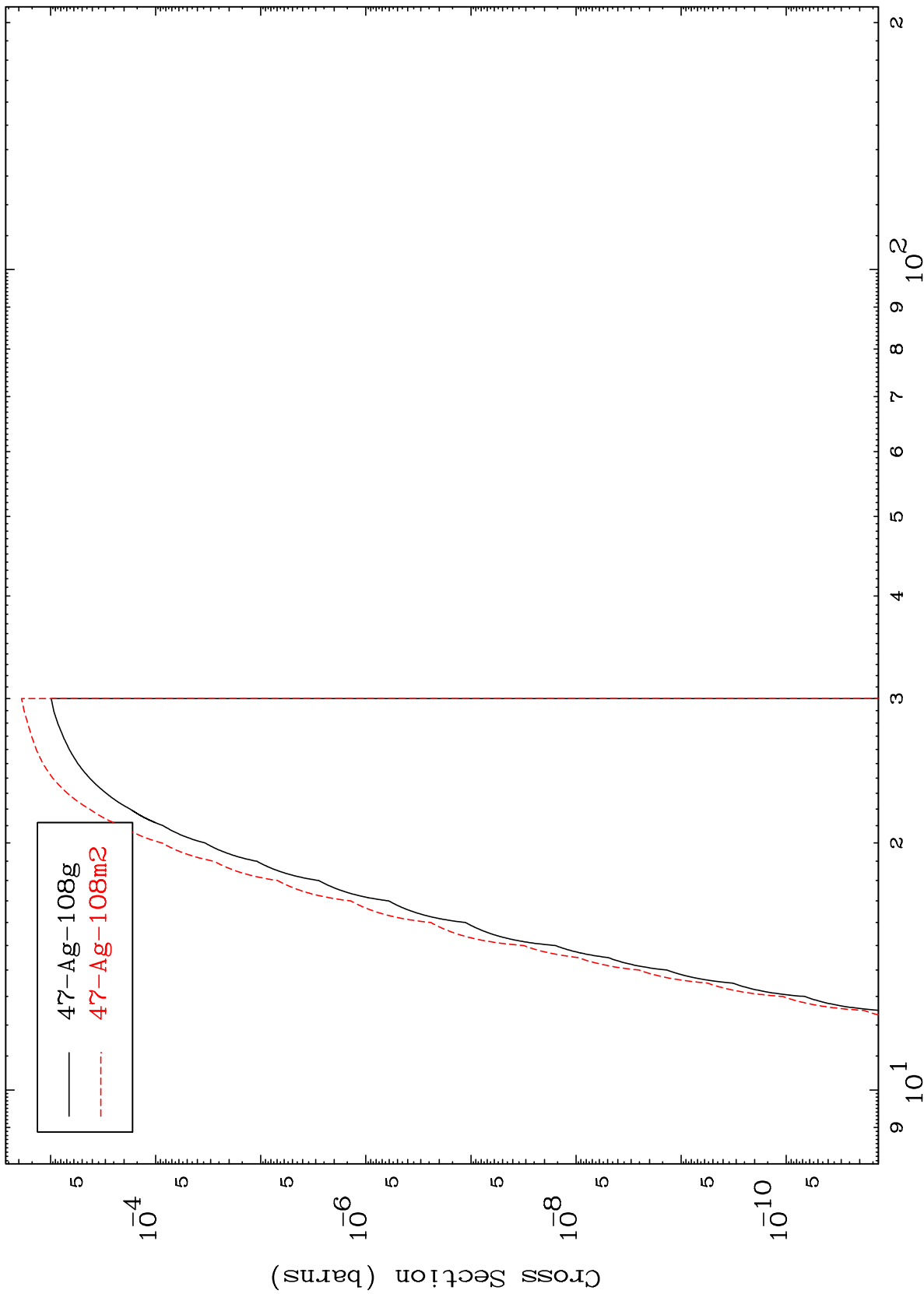
50-Sn-112

MAT 5025

(n,p) α

50-Sn-112

Radionuclide Production Cross Section



144

Incident Energy (MeV)

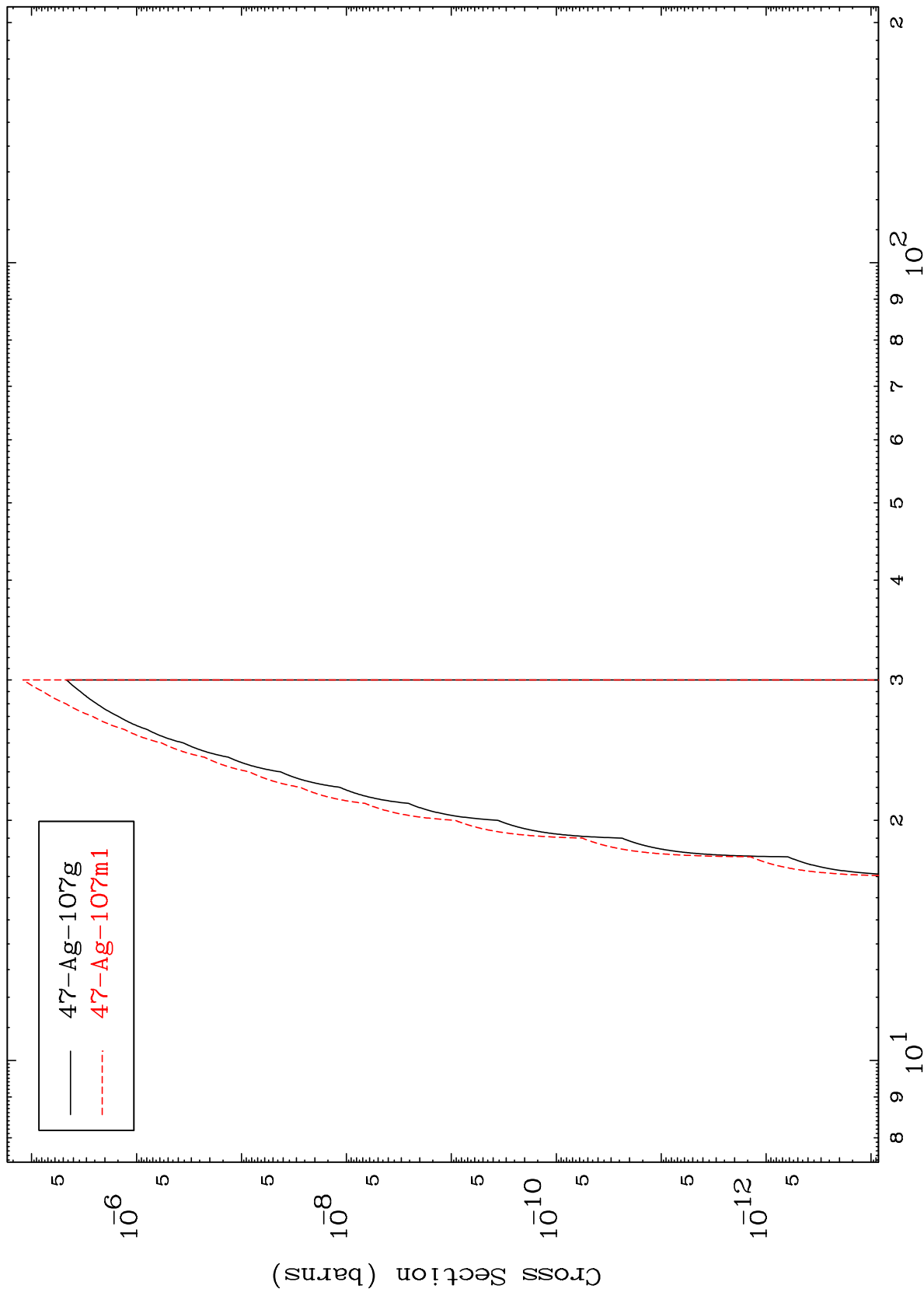
50-Sn-112

MAT 5025

50-Sn-112

(n,d) α

Radionuclide Production Cross Section



145

Incident Energy (MeV)

50-Sn-112