

Program EVALPLOT
(Version 2021-1)

by

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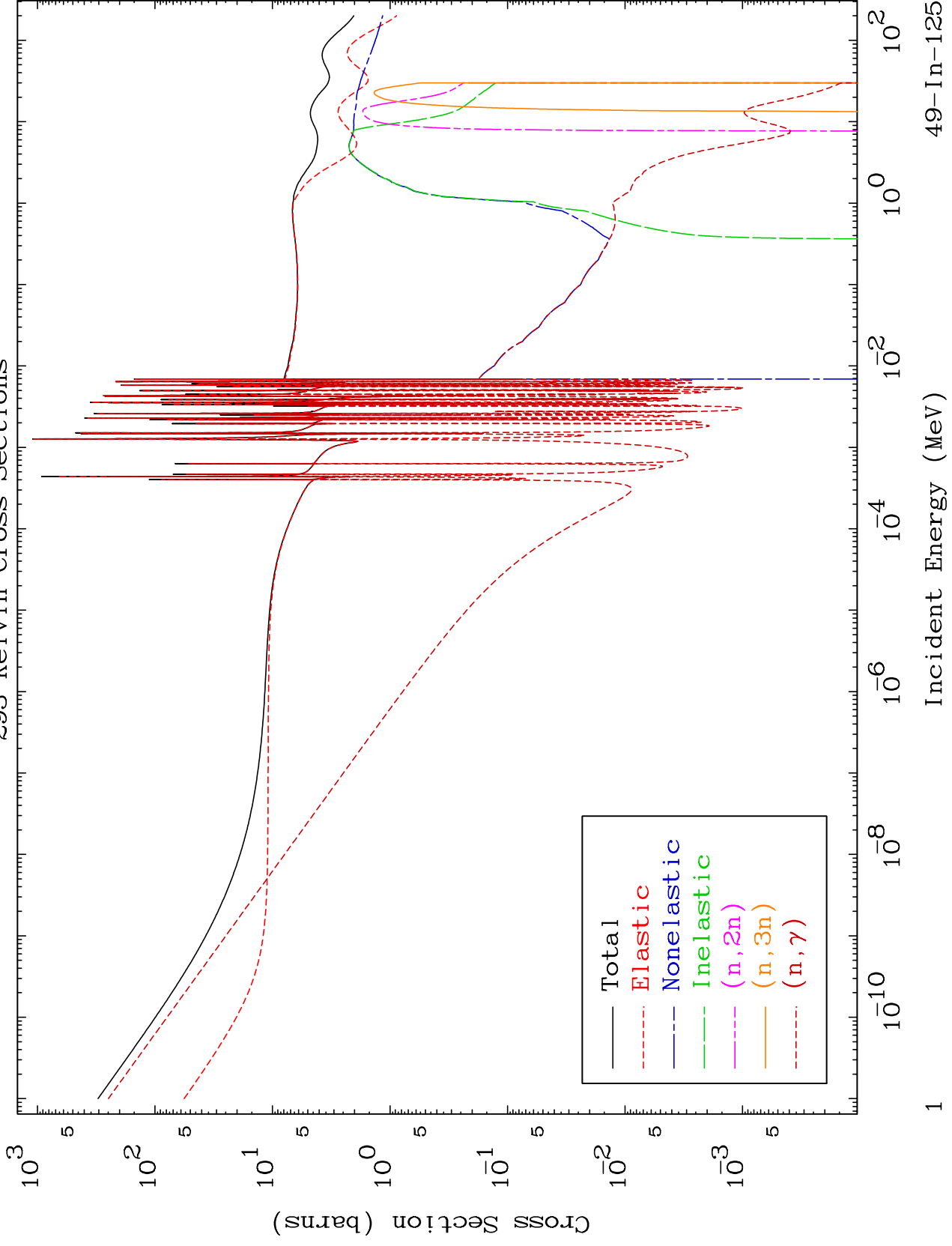
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4961

Neutron Major
293 Kelvin Cross Sections

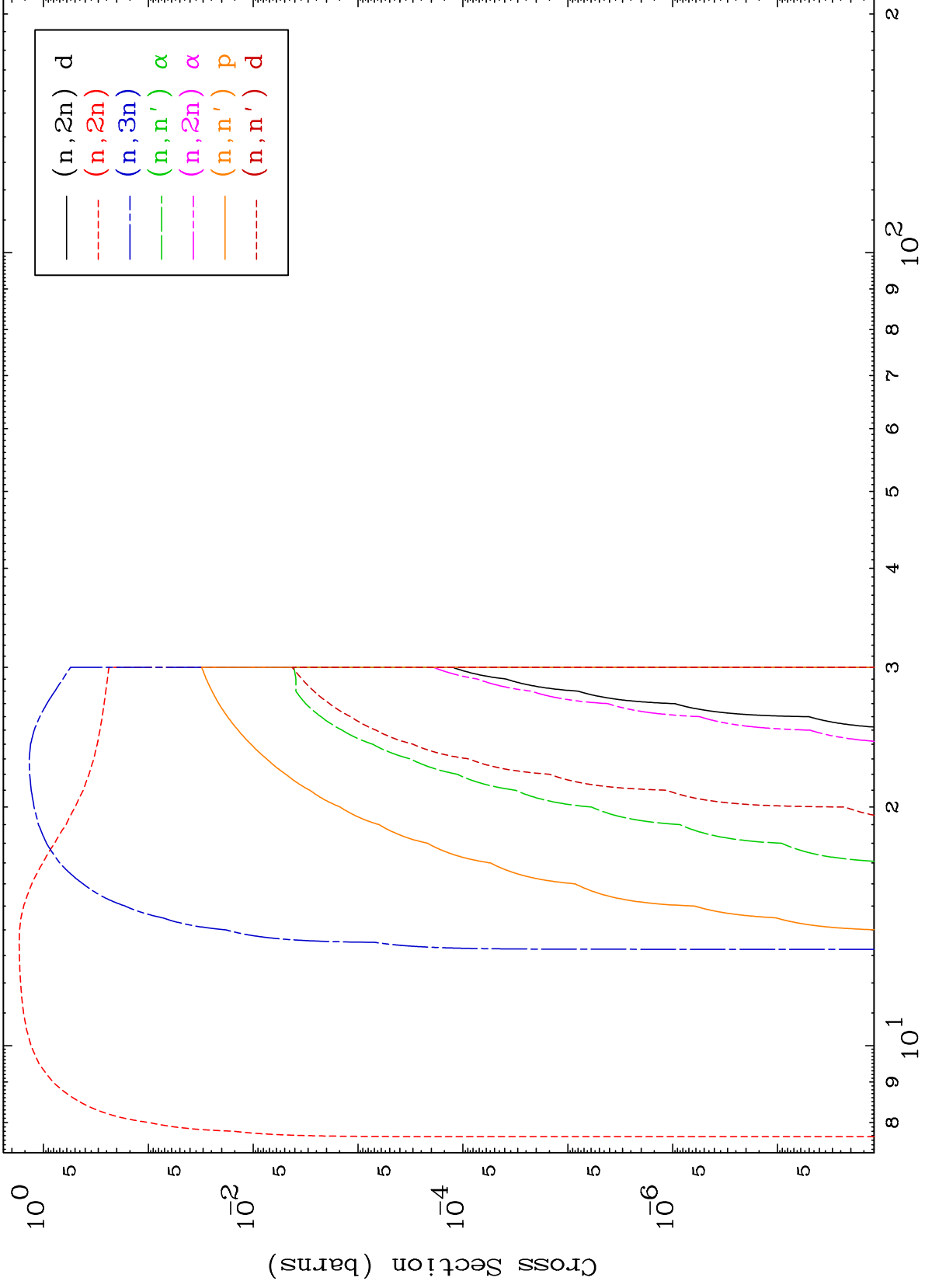
49-In-125



MAT 4961

Neutron Absorption
293 Kelvin Cross Sections

49-In-125



2

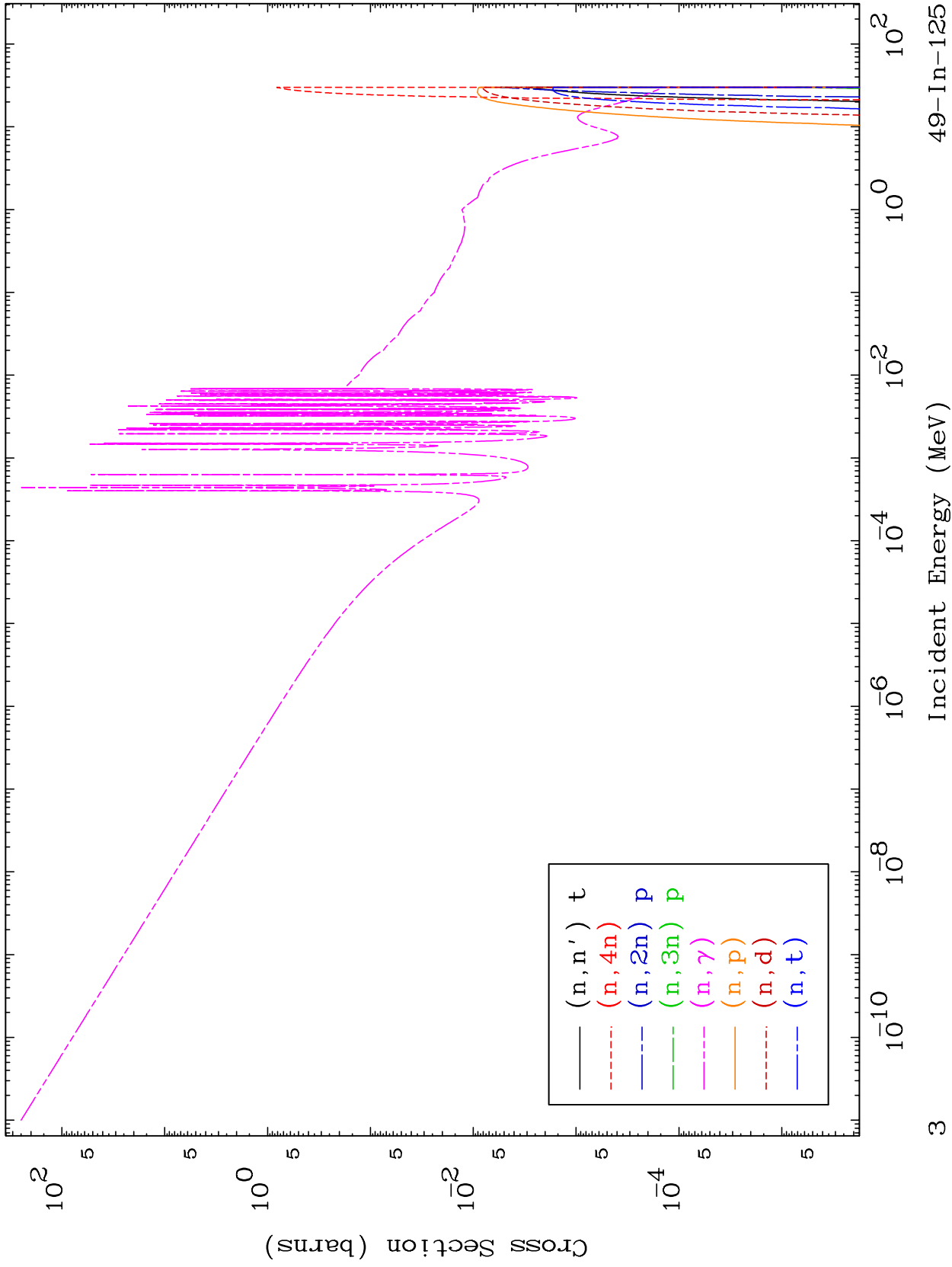
Incident Energy (MeV)

49-In-125

MAT 4961

Neutron Absorption
293 Kelvin Cross Sections

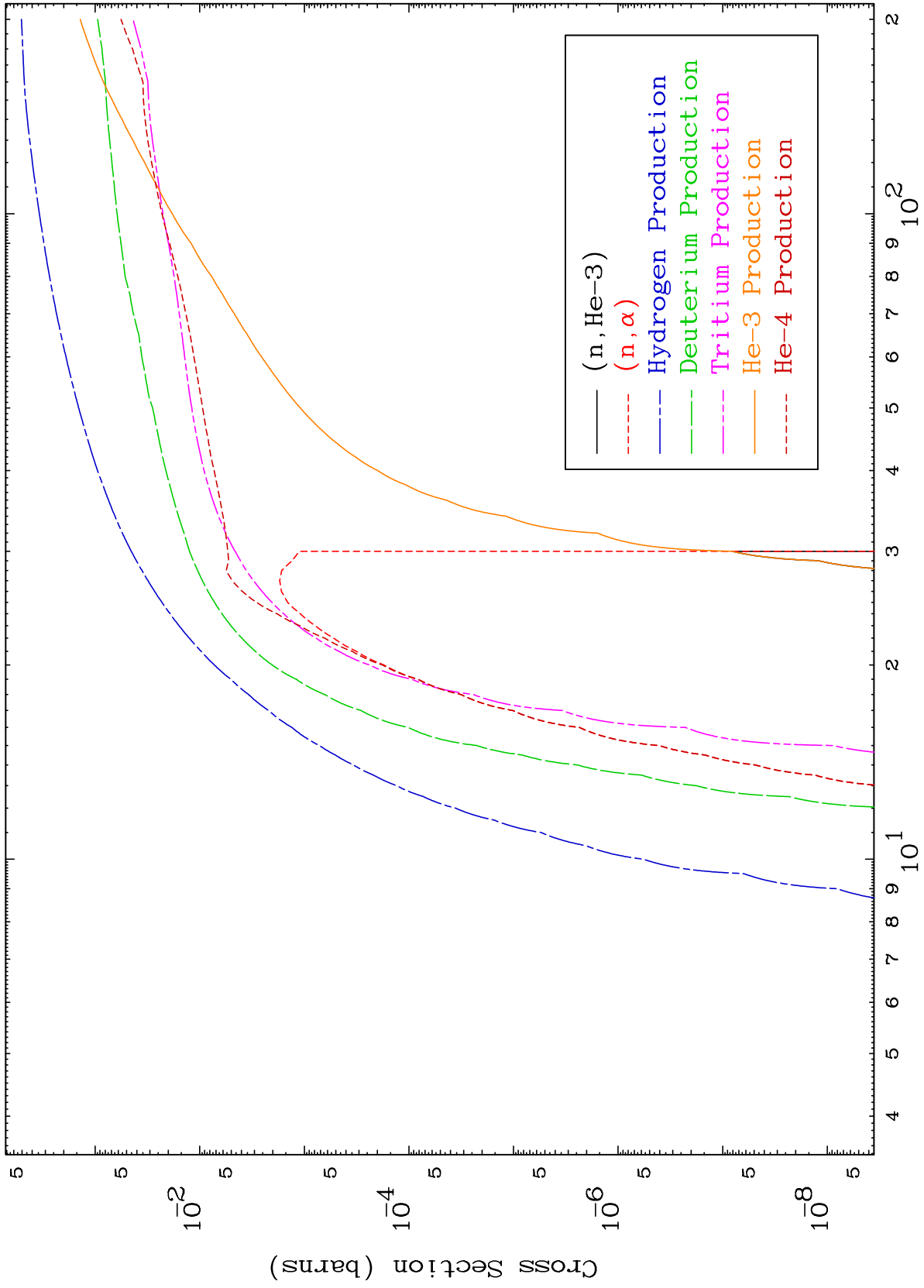
49-In-125



MAT 4961

Neutron Absorption
293 Kelvin Cross Sections

49-In-125



4

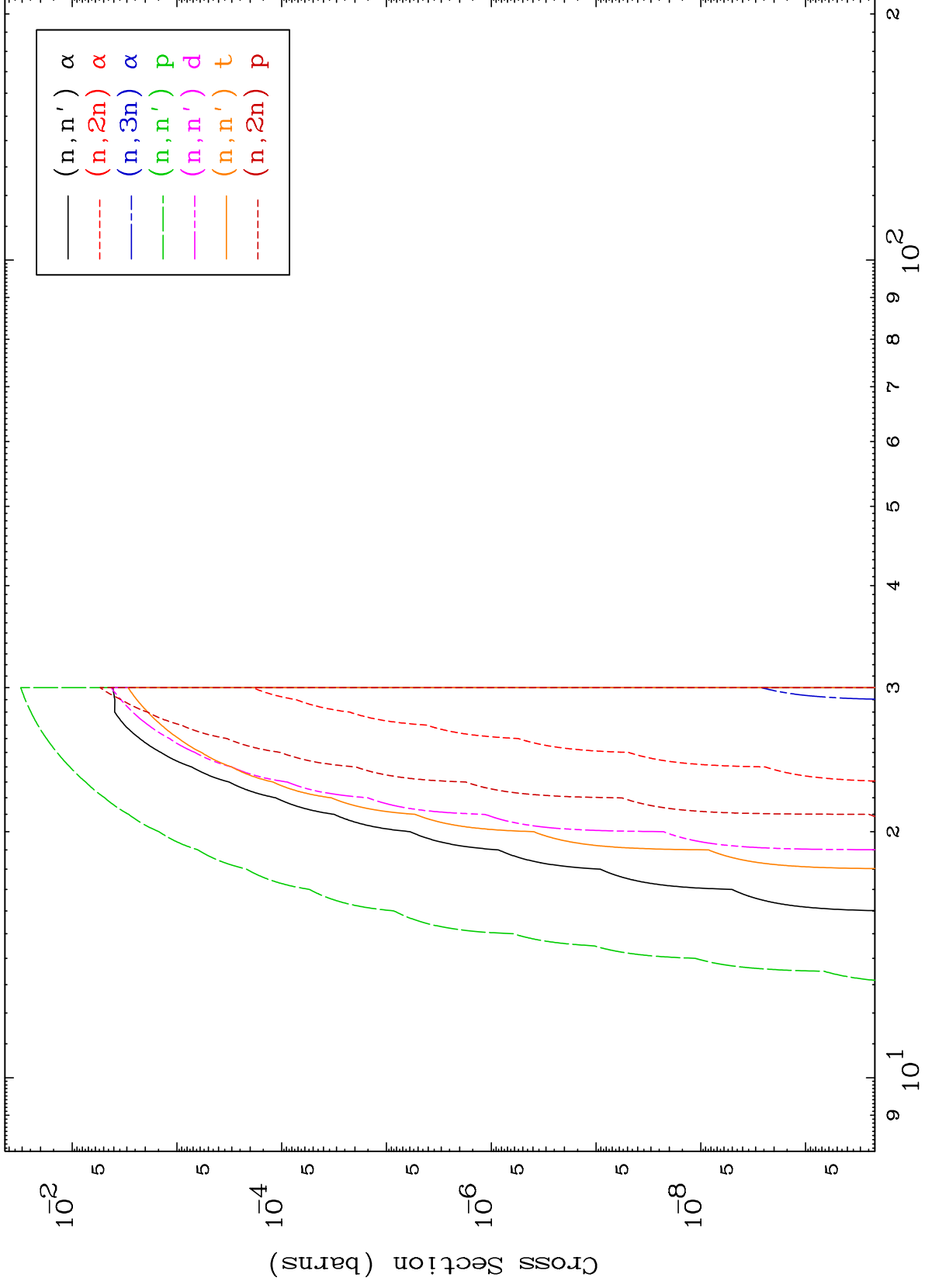
Incident Energy (MeV)

49-In-125

MAT 4961

Charged Particle
293 Kelvin Cross Sections

49-In-125



5

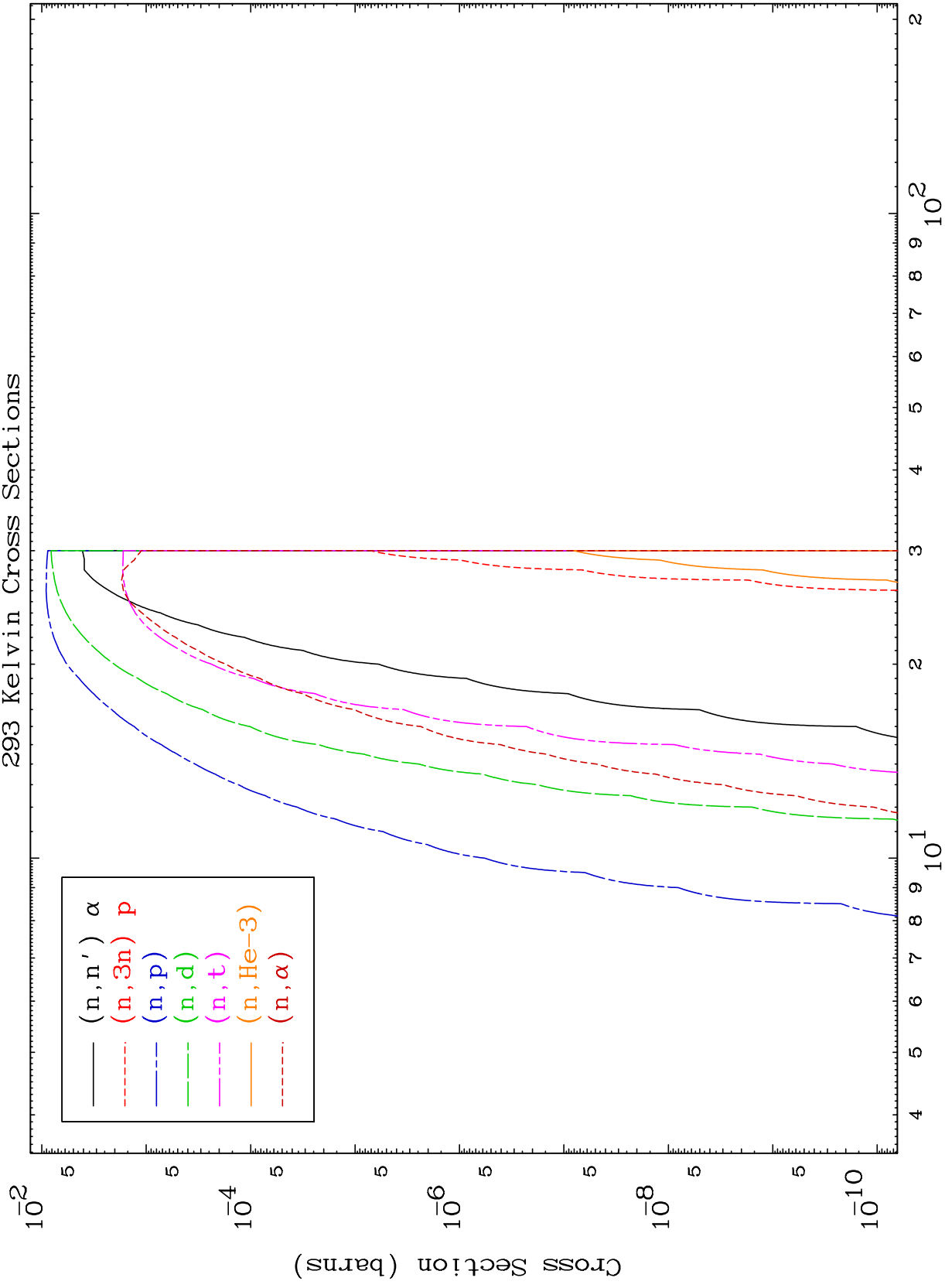
Incident Energy (MeV)

49-In-125

MAT 4961

Charged Particle
293 Kelvin Cross Sections

49-In-125



6

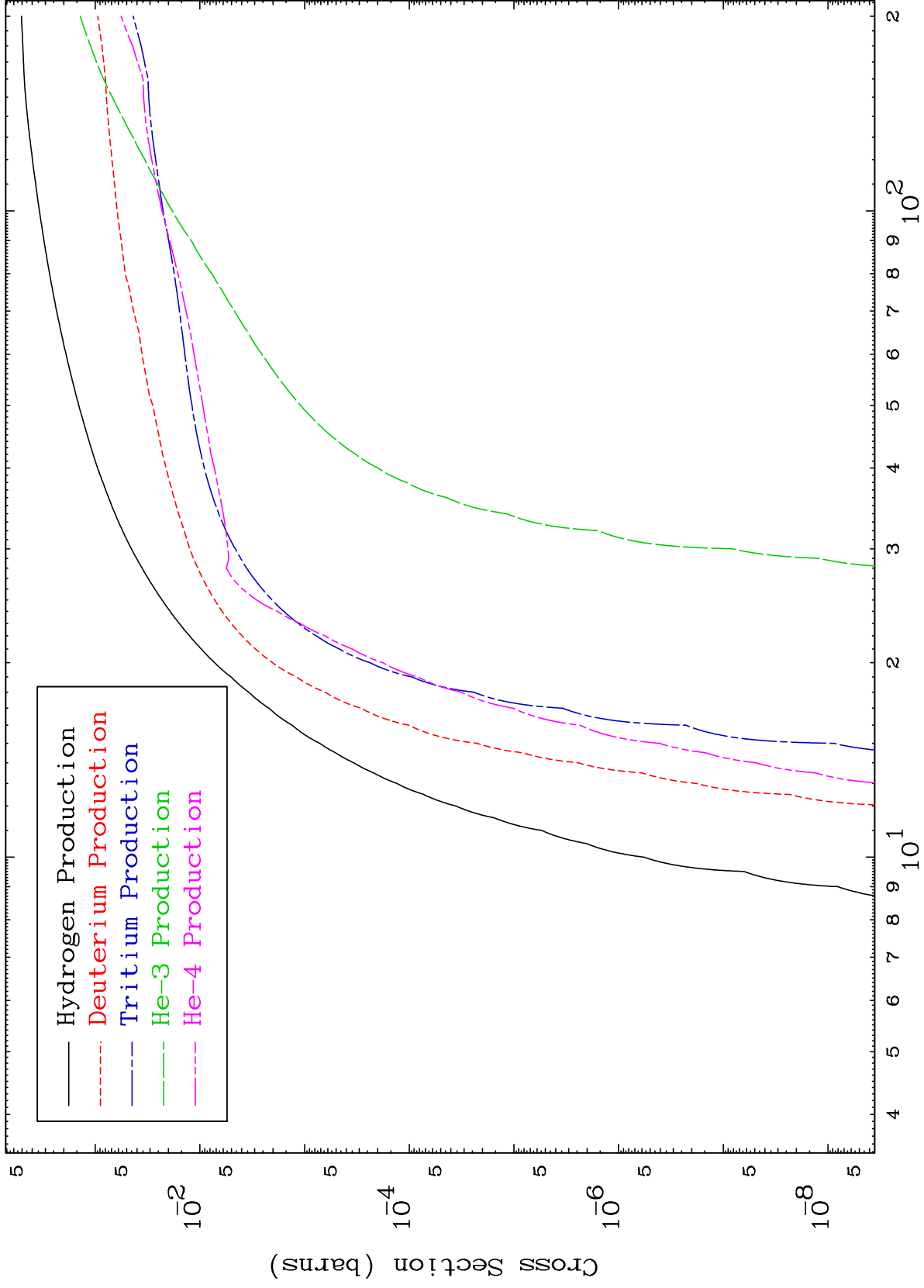
Incident Energy (MeV)

49-In-125

MAT 4961

Particle Production
293 Kelvin Cross Sections

49-In-125

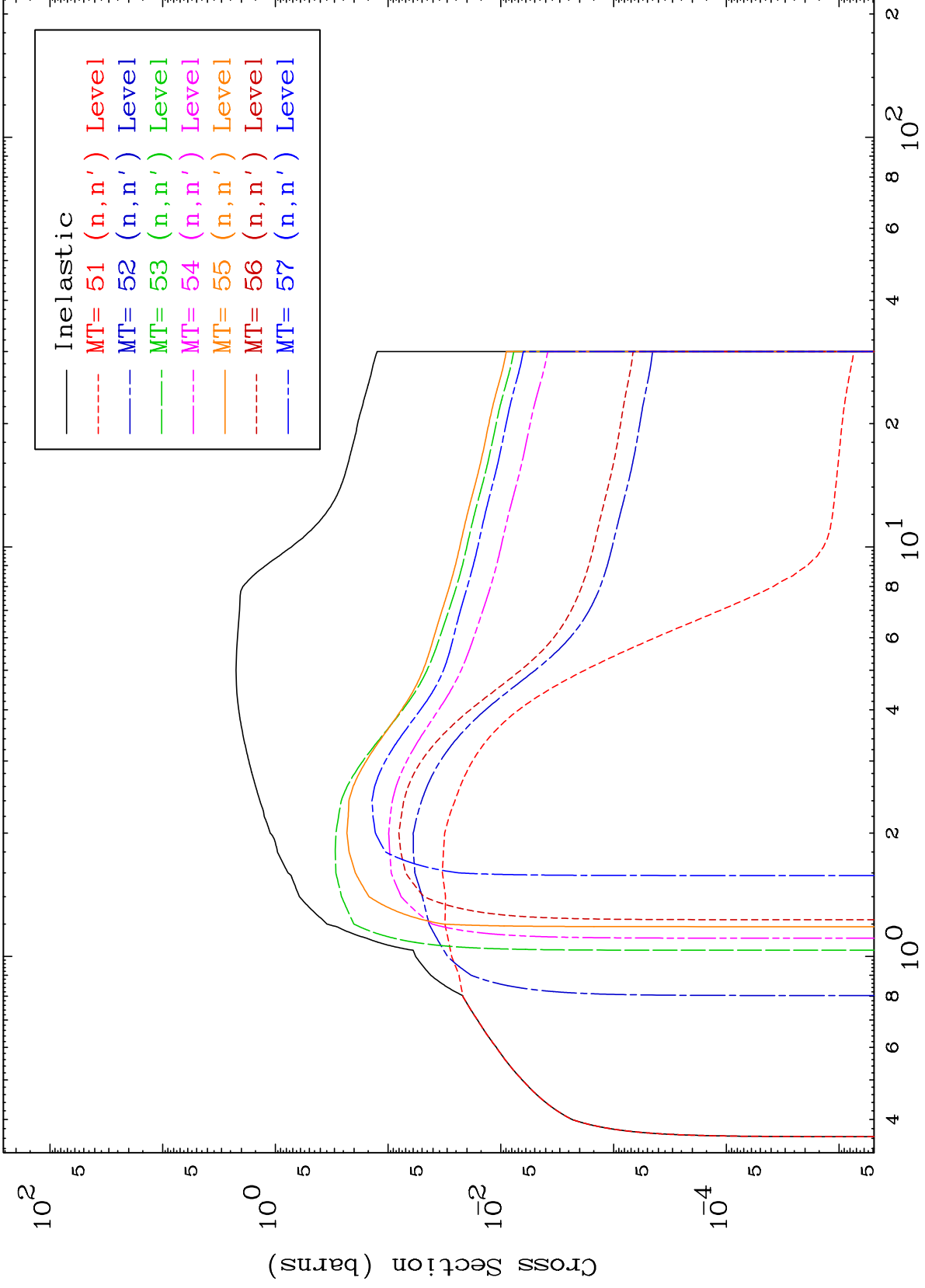


MAT 4961

(n,n') Levels

49-In-125

293 Kelvin Cross Sections



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Incident Energy (MeV)

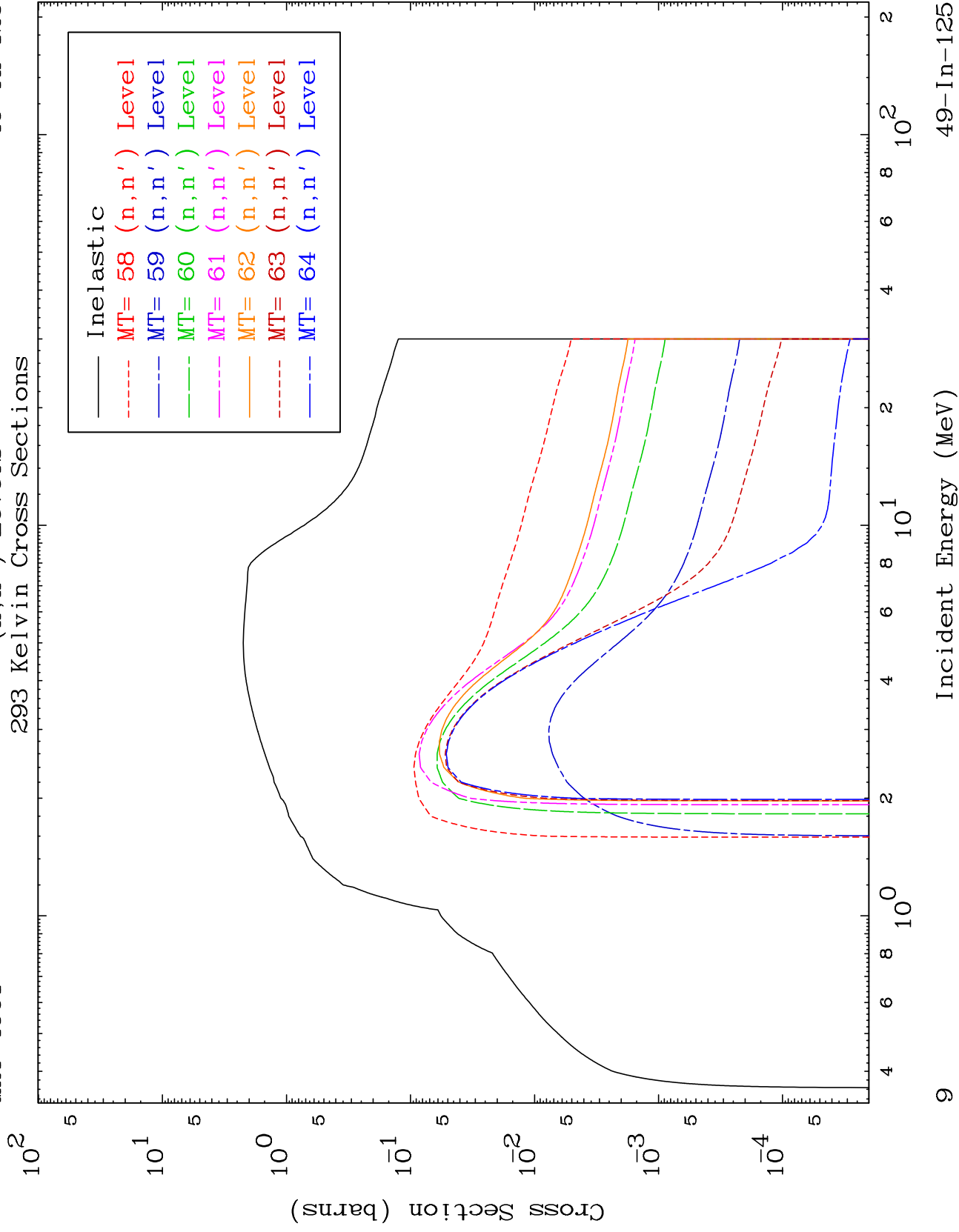
49-In-125

MAT 4961

(n,n') Levels

49-In-125

293 Kelvin Cross Sections

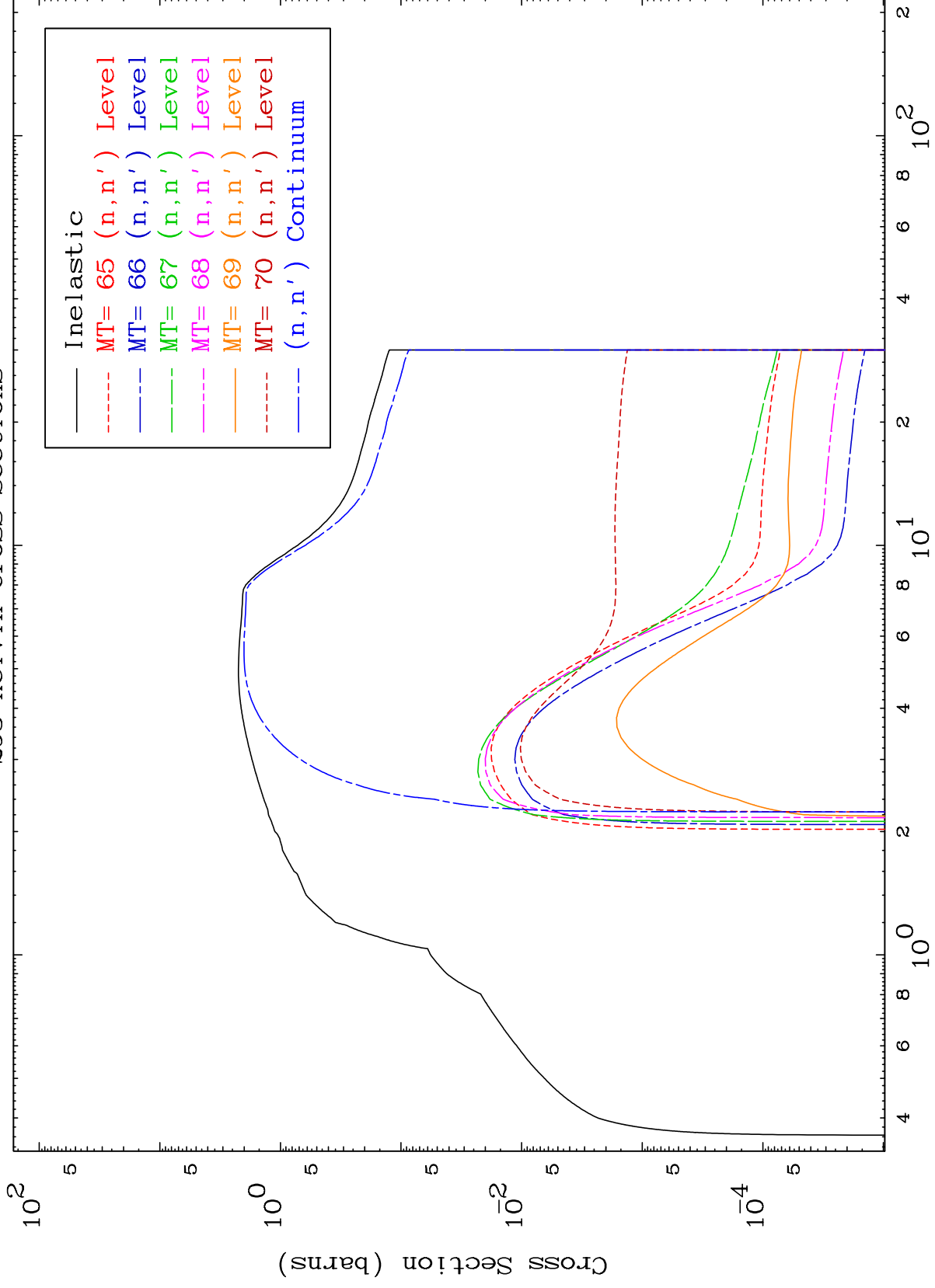


MAT 4961

(n,n') Levels

49-In-125

293 Kelvin Cross Sections



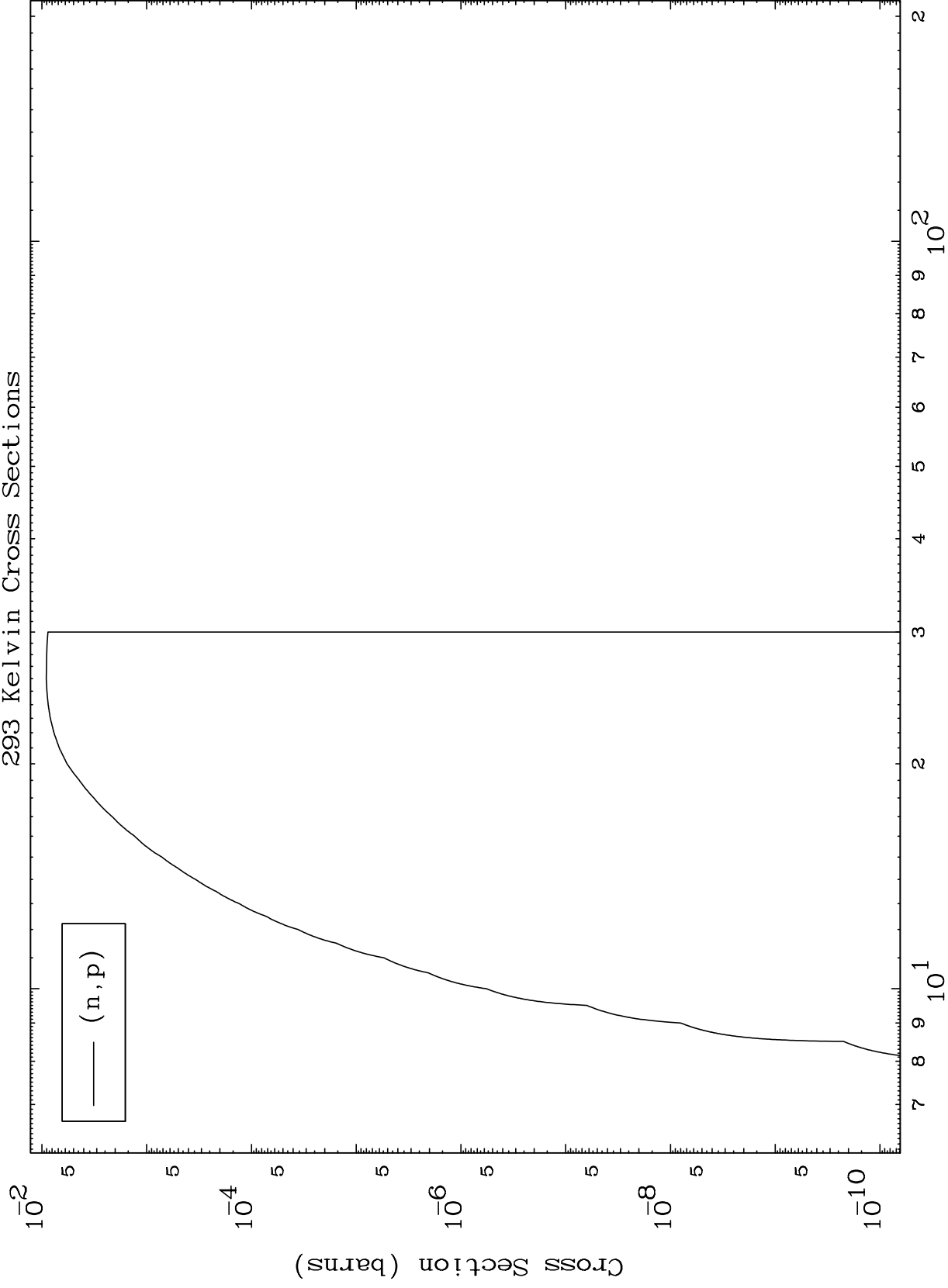
Incident Energy (MeV)

49-In-125

MAT 4961

(n,p) Levels
293 Kelvin Cross Sections

49-In-125



11

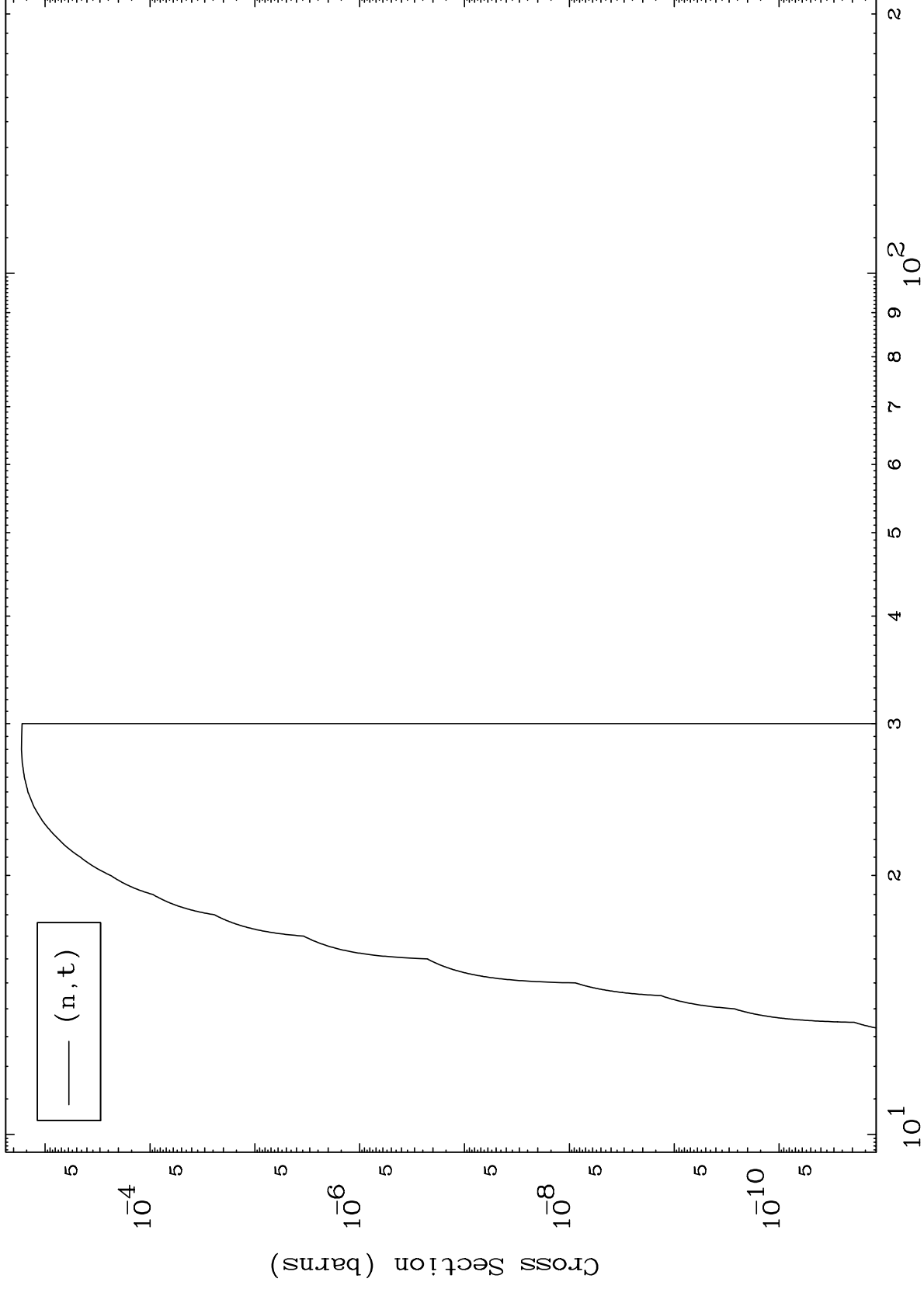
Incident Energy (MeV)

49-In-125

MAT 4961

(n,t) Levels
293 Kelvin Cross Sections

49-In-125



Incident Energy (MeV)

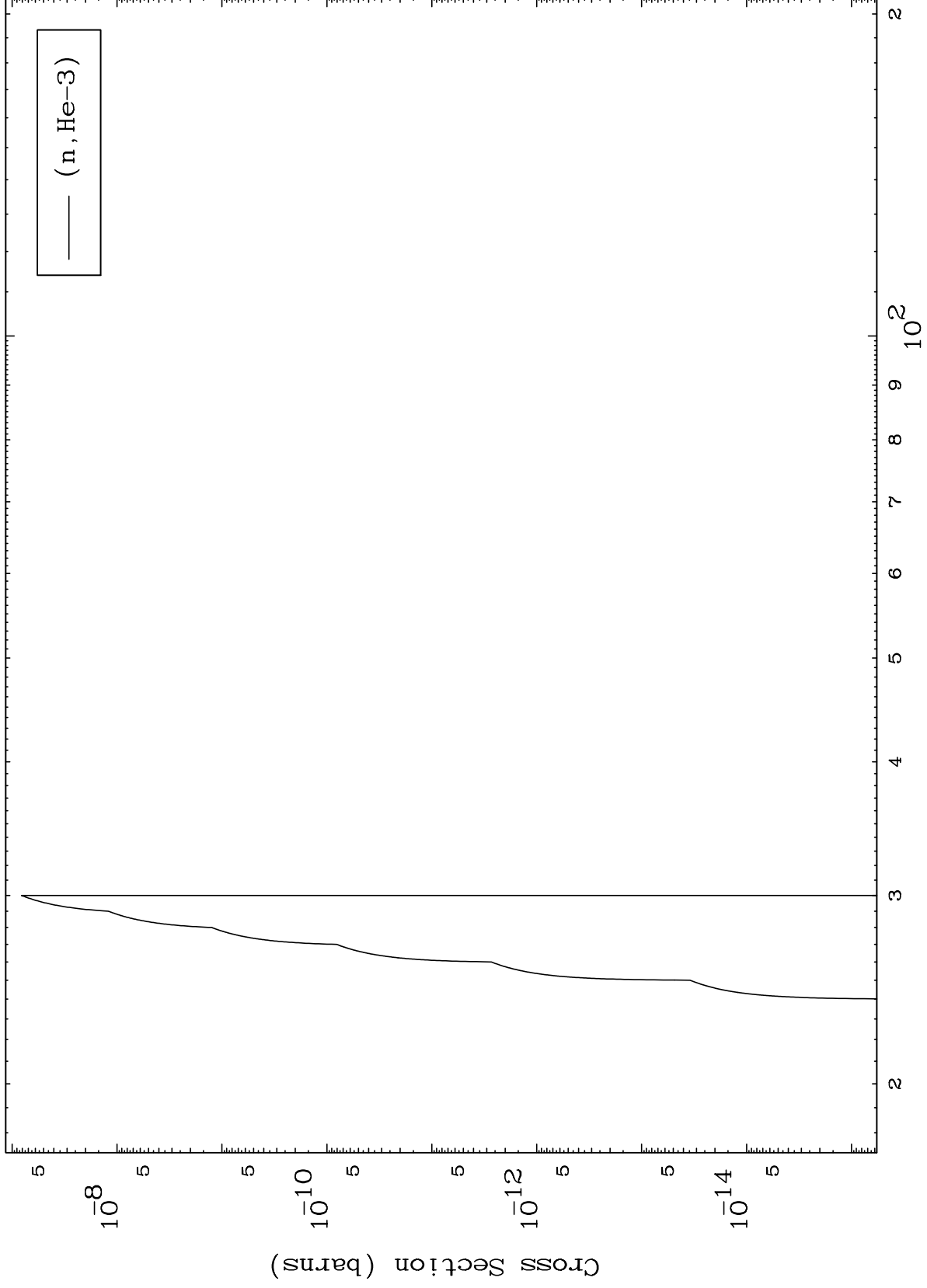
49-In-125

13

MAT 4961

(n,He3) Levels
293 Kelvin Cross Sections

49-In-125



14

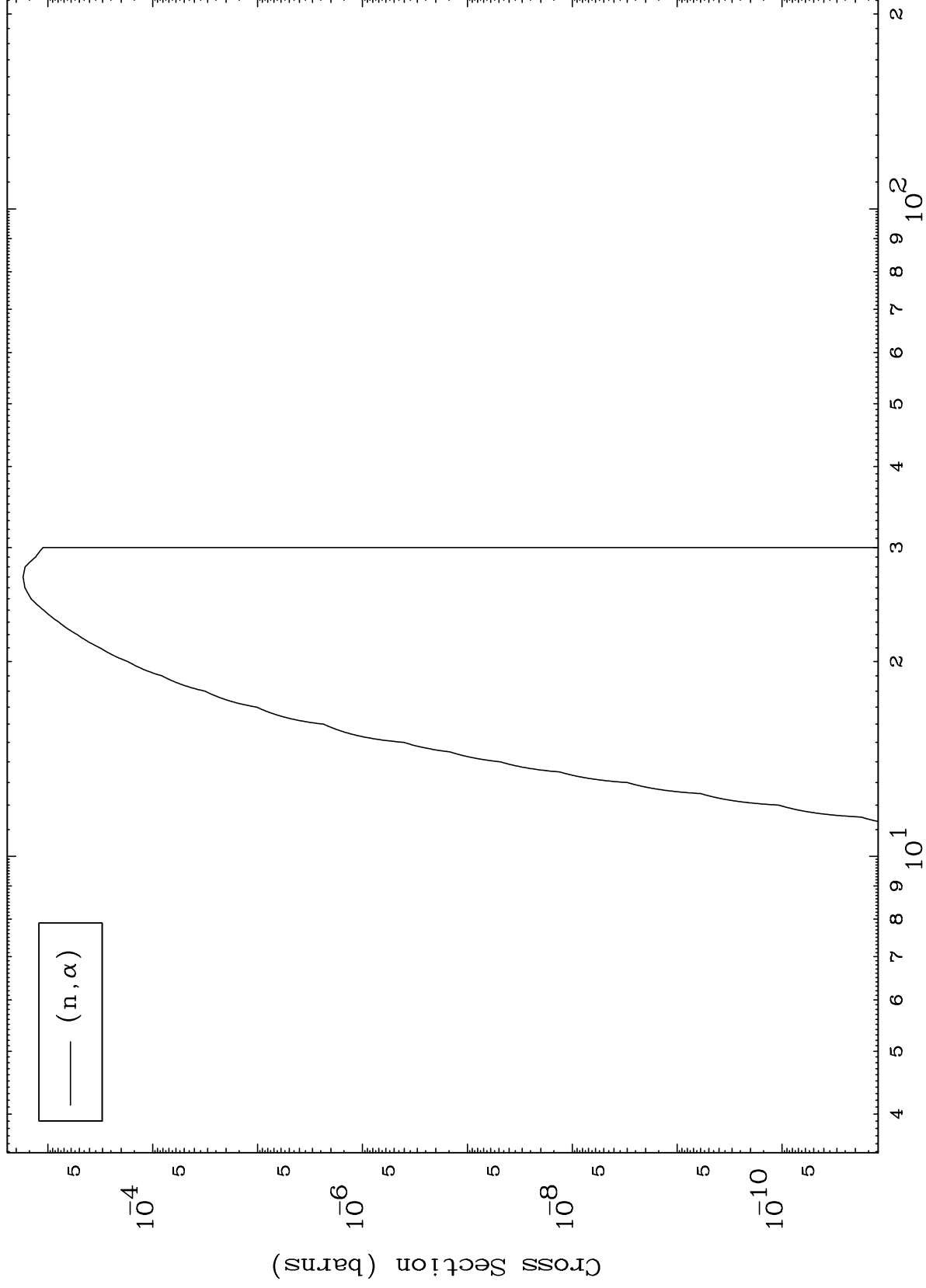
Incident Energy (MeV)

49-In-125

MAT 4961

(n, α) Levels
293 Kelvin Cross Sections

49-In-125



15

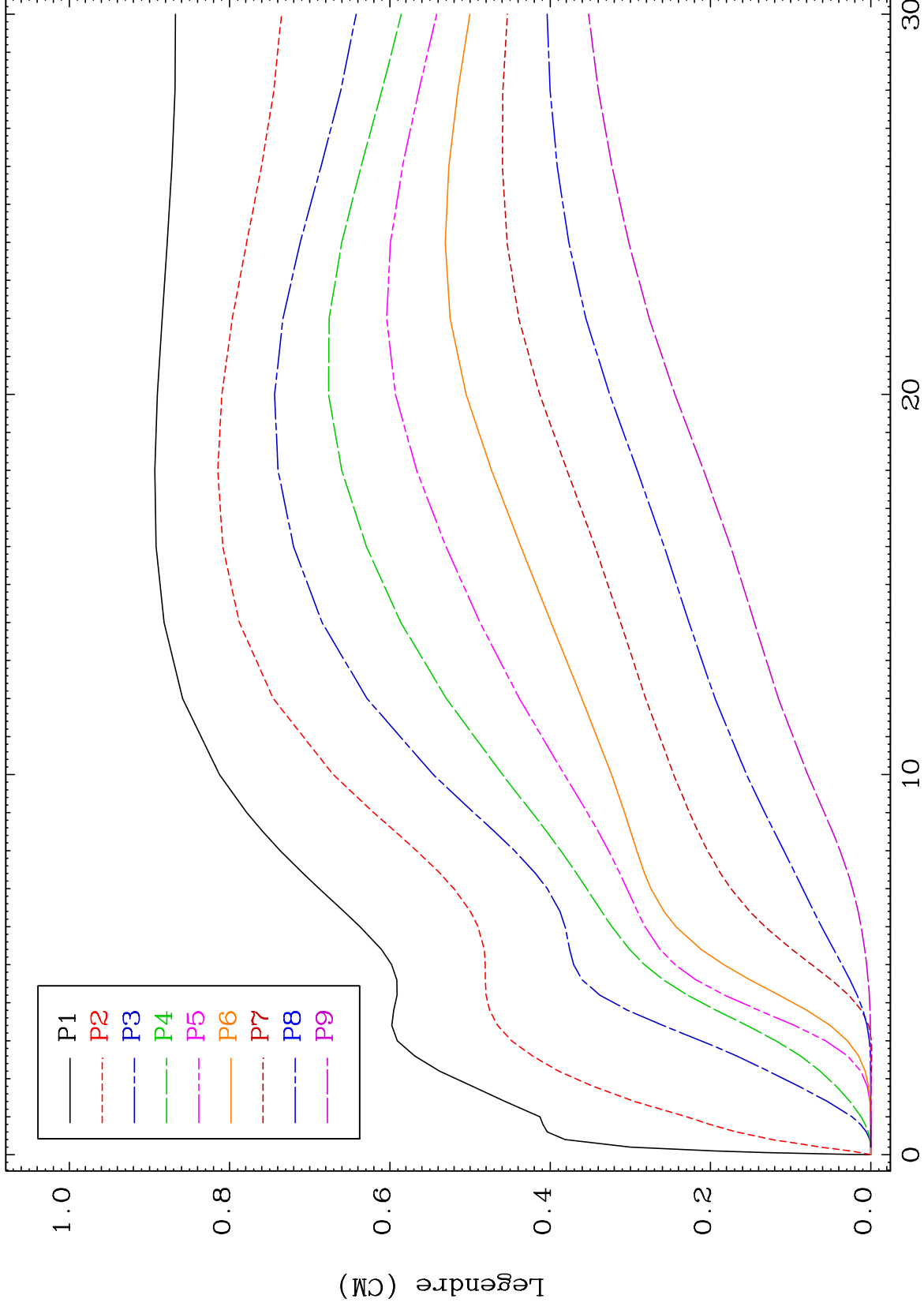
Incident Energy (MeV)

49-In-125

MAT 4961

Elastic Legendre Coefficients

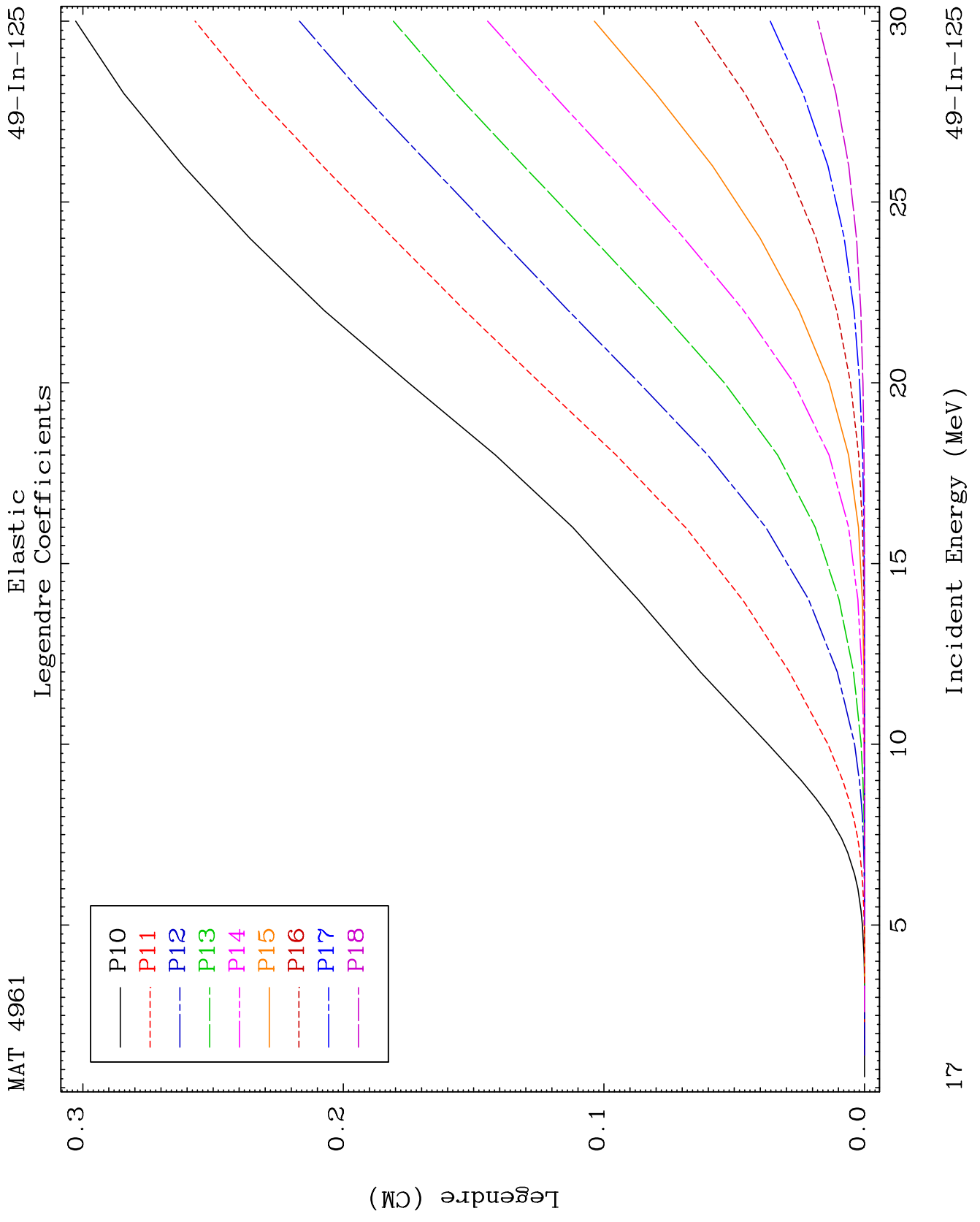
49-In-125



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Incident Energy (MeV)

49-In-125

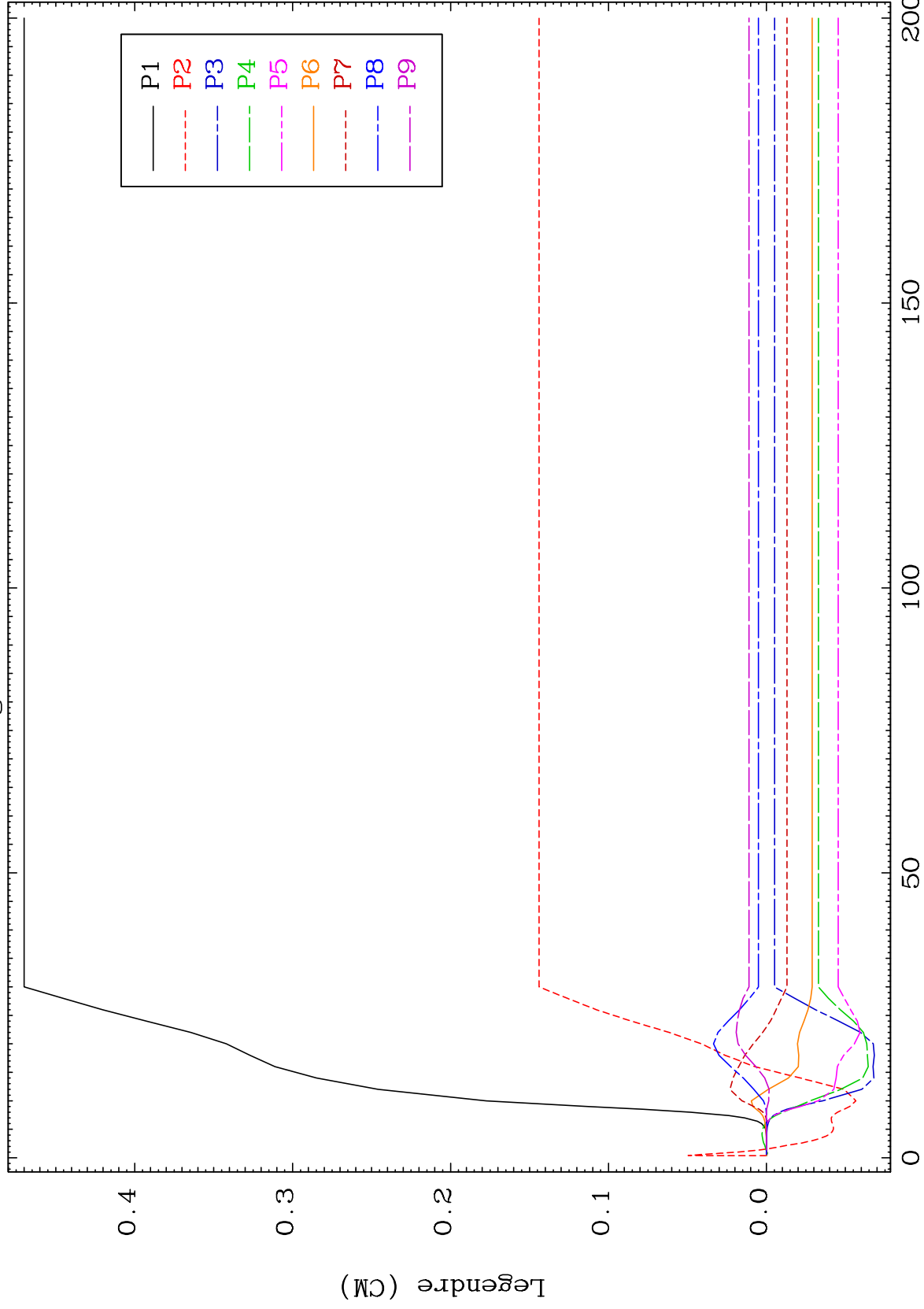


MAT 4961

MT= 51 (n,n') Level

49-In-125

Legendre Coefficients



0

50

100

150

200

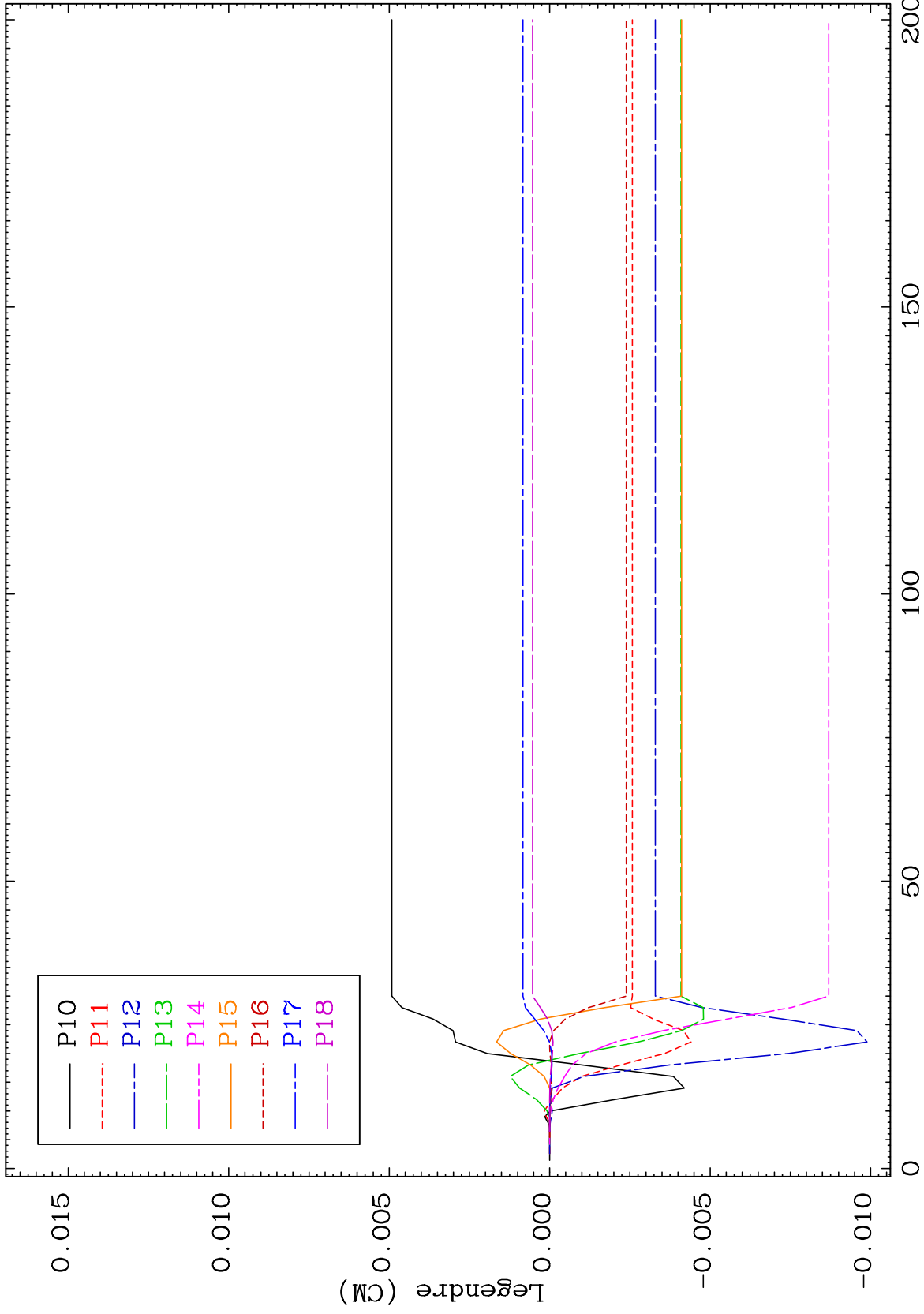
Incident Energy (MeV)

49-In-125

MAT 4961

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

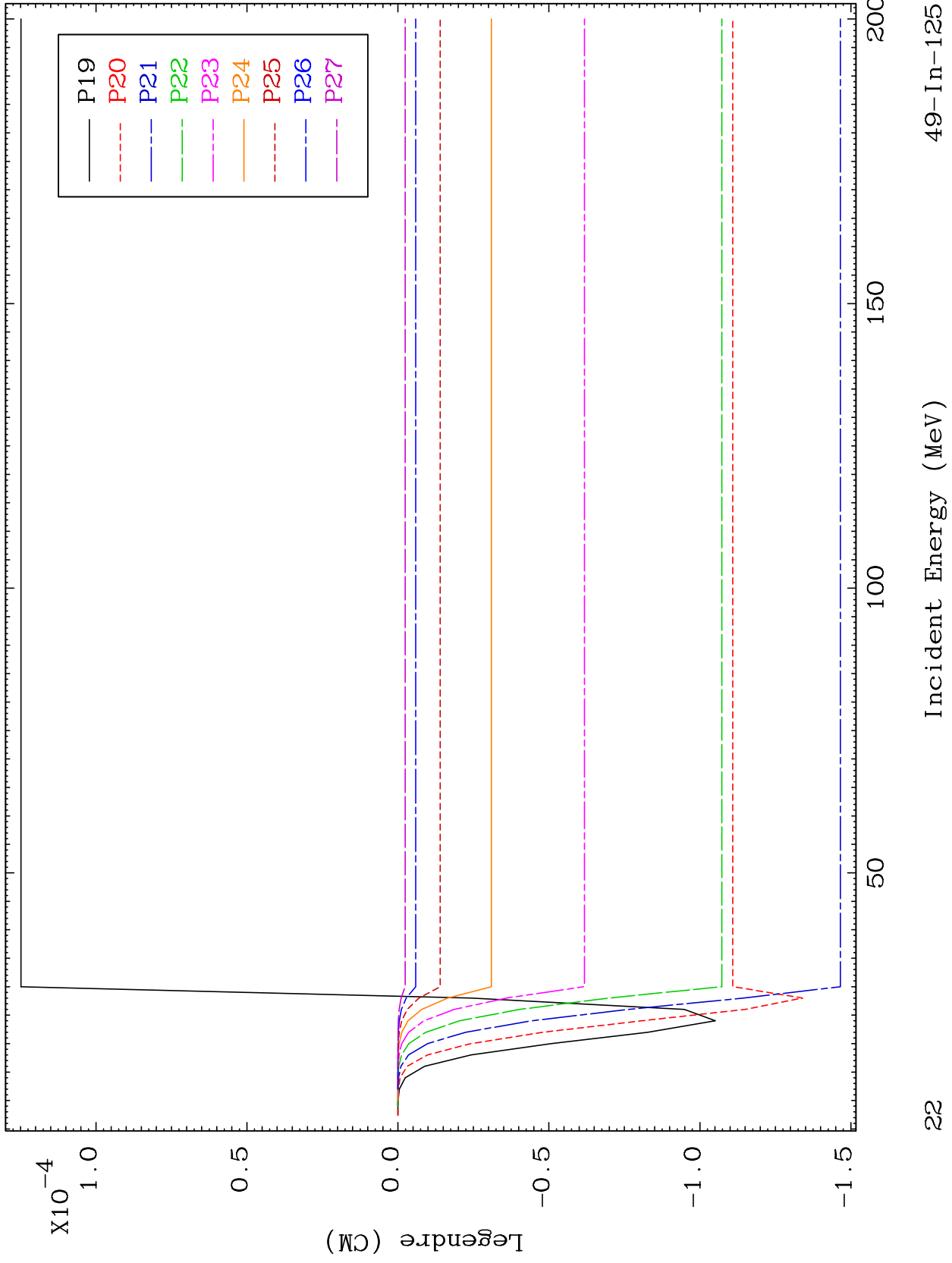
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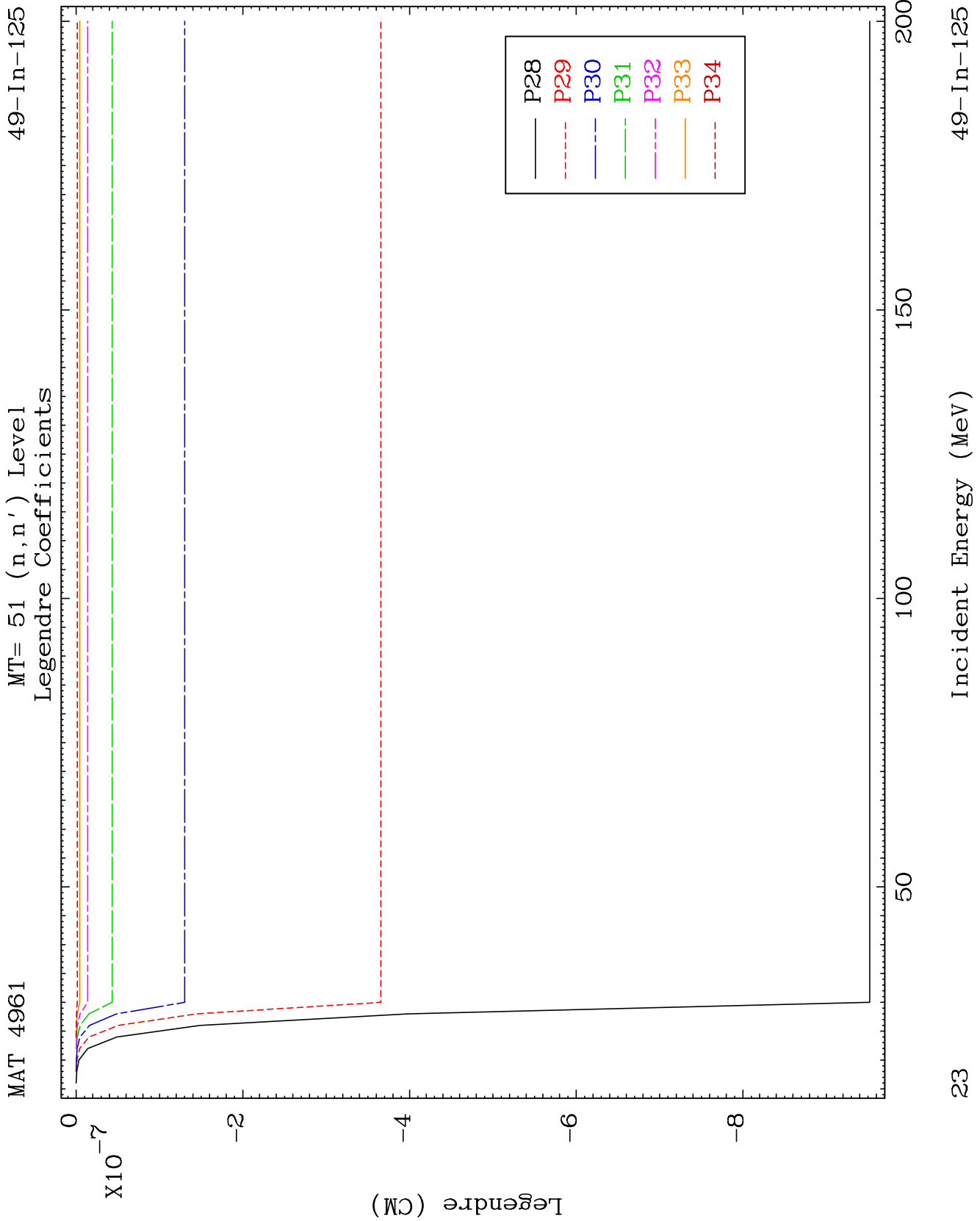


MAT 4961

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

49-In-125

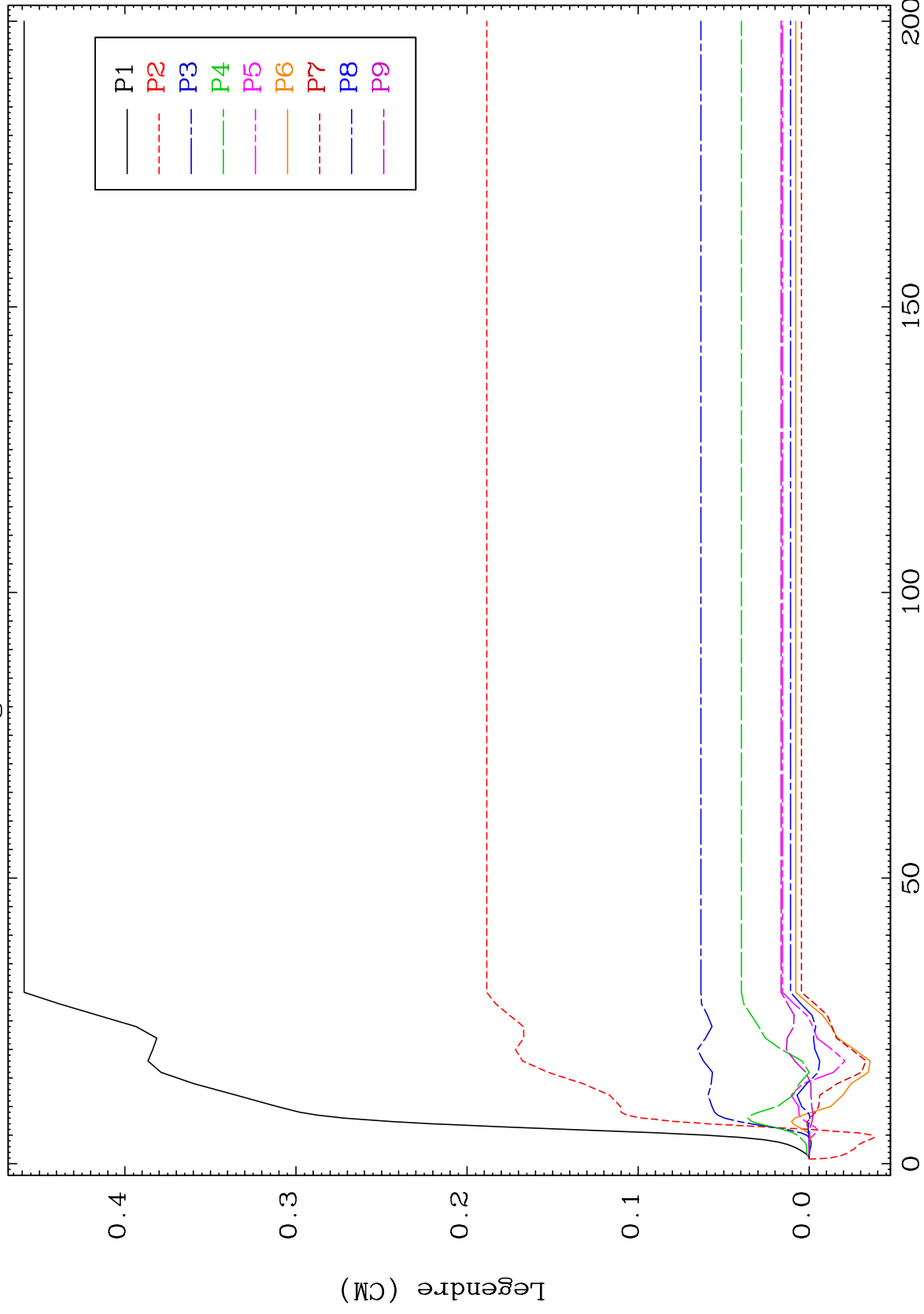




MAT 4961

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

49-In-125



24

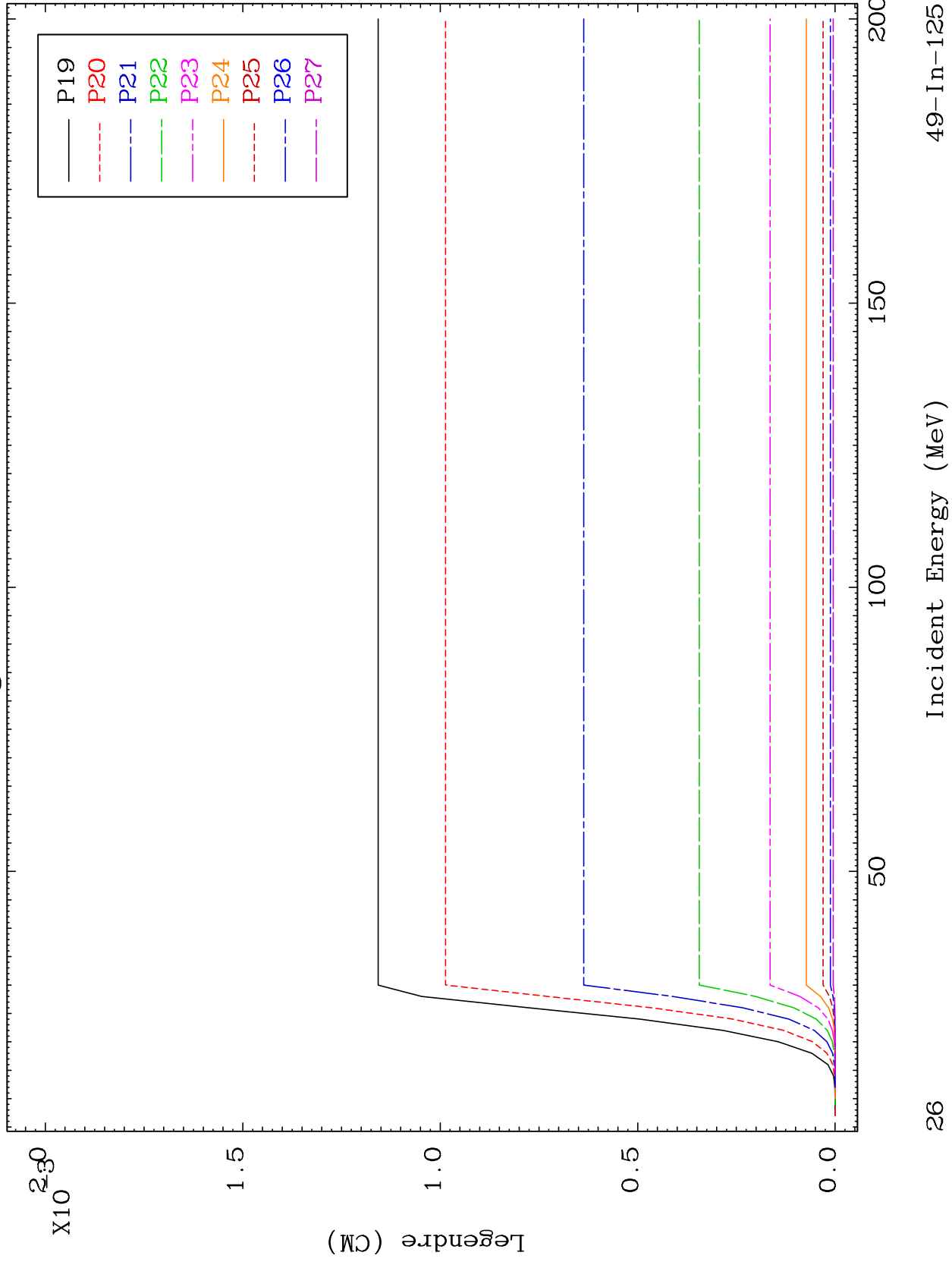
Incident Energy (MeV)

49-In-125

MAT 4961

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

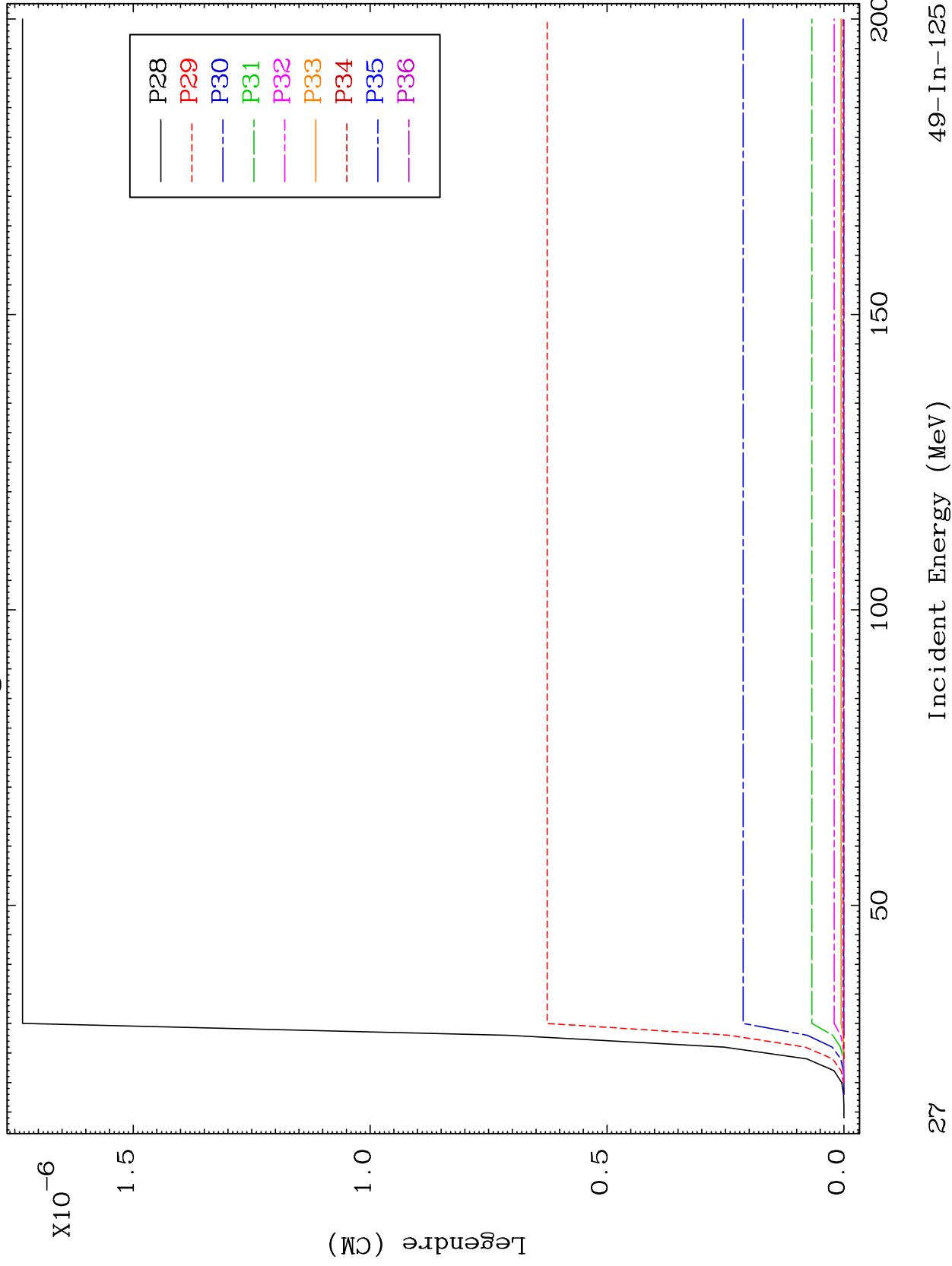
49-In-125

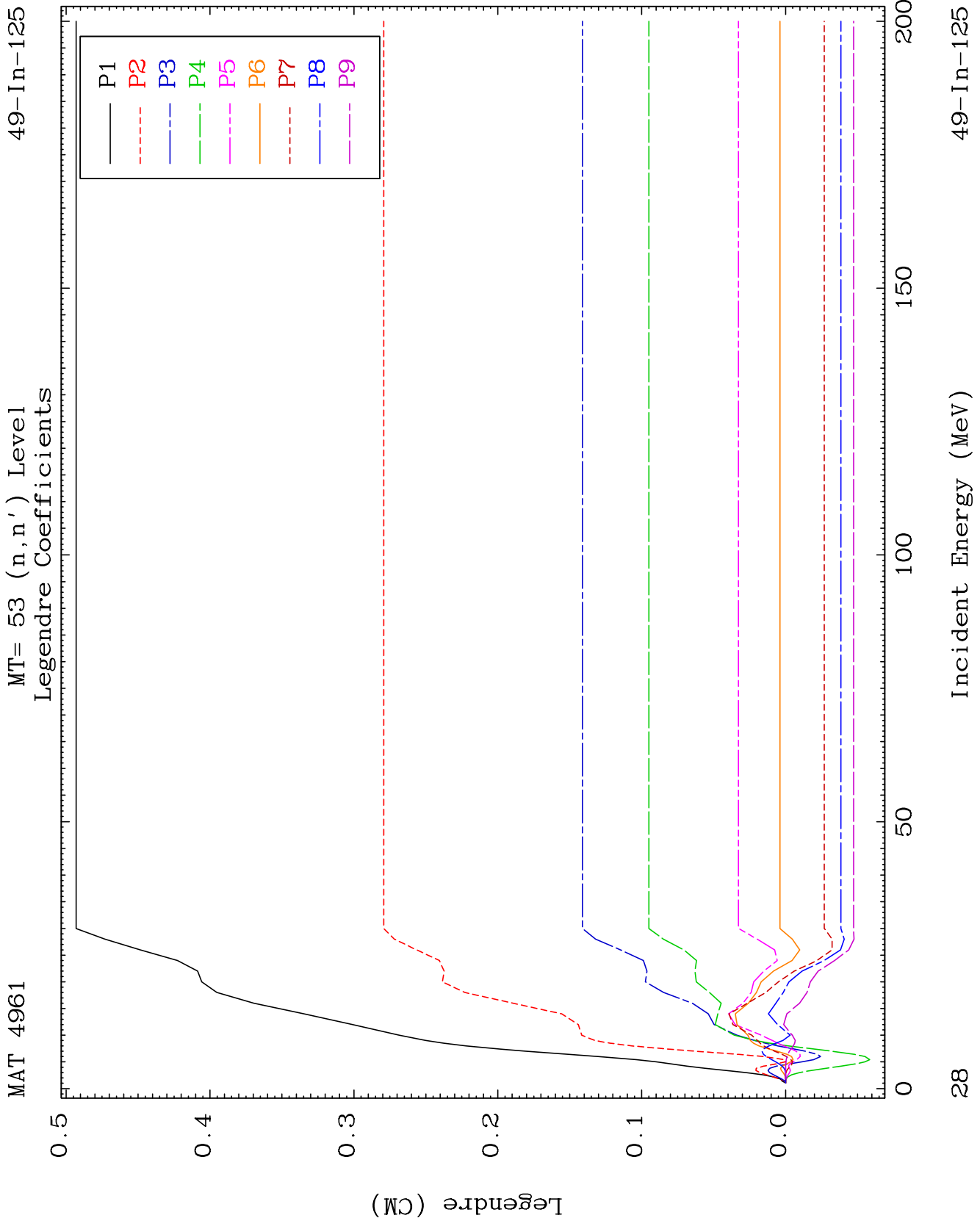


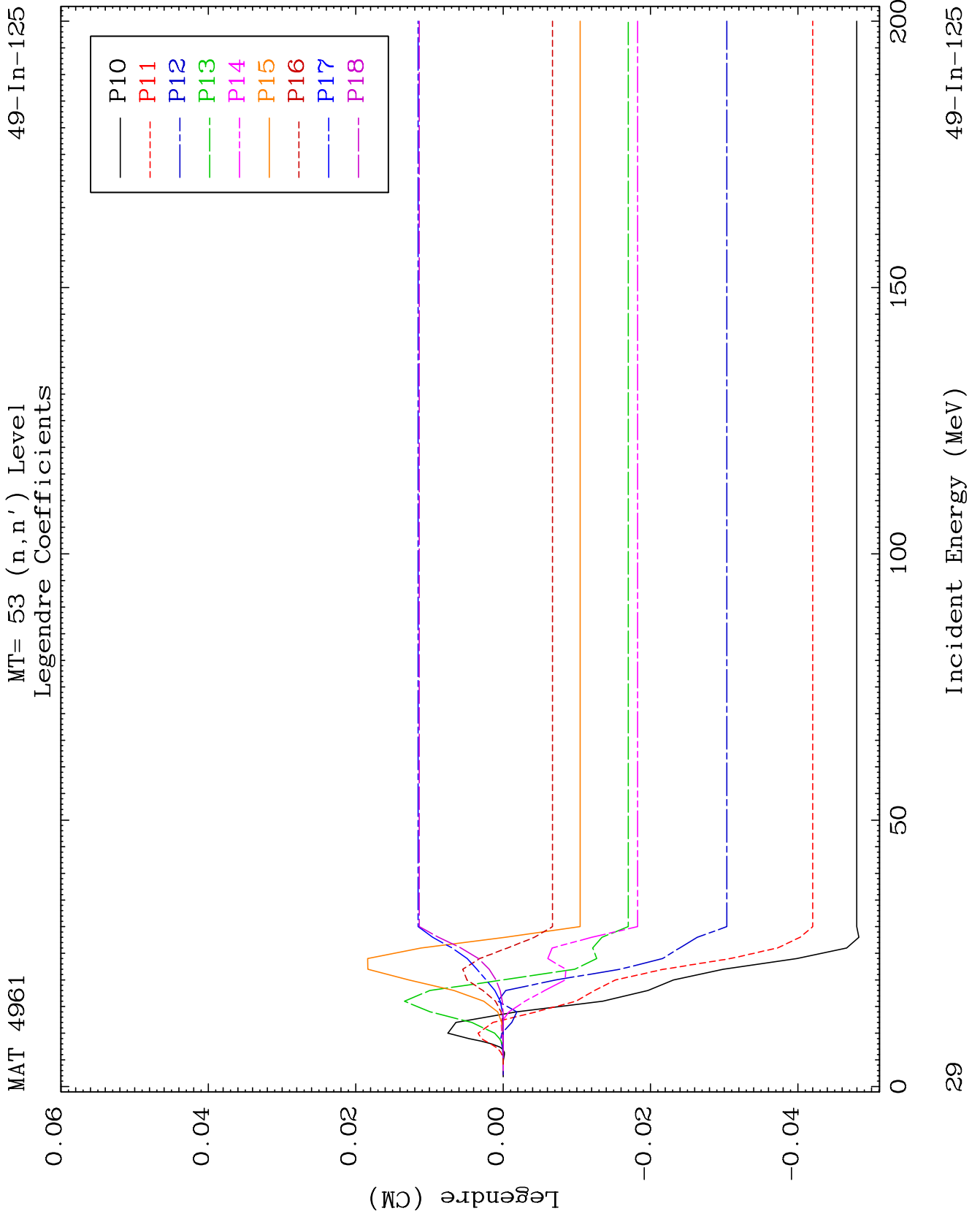
MAT 4961

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

49-In-125



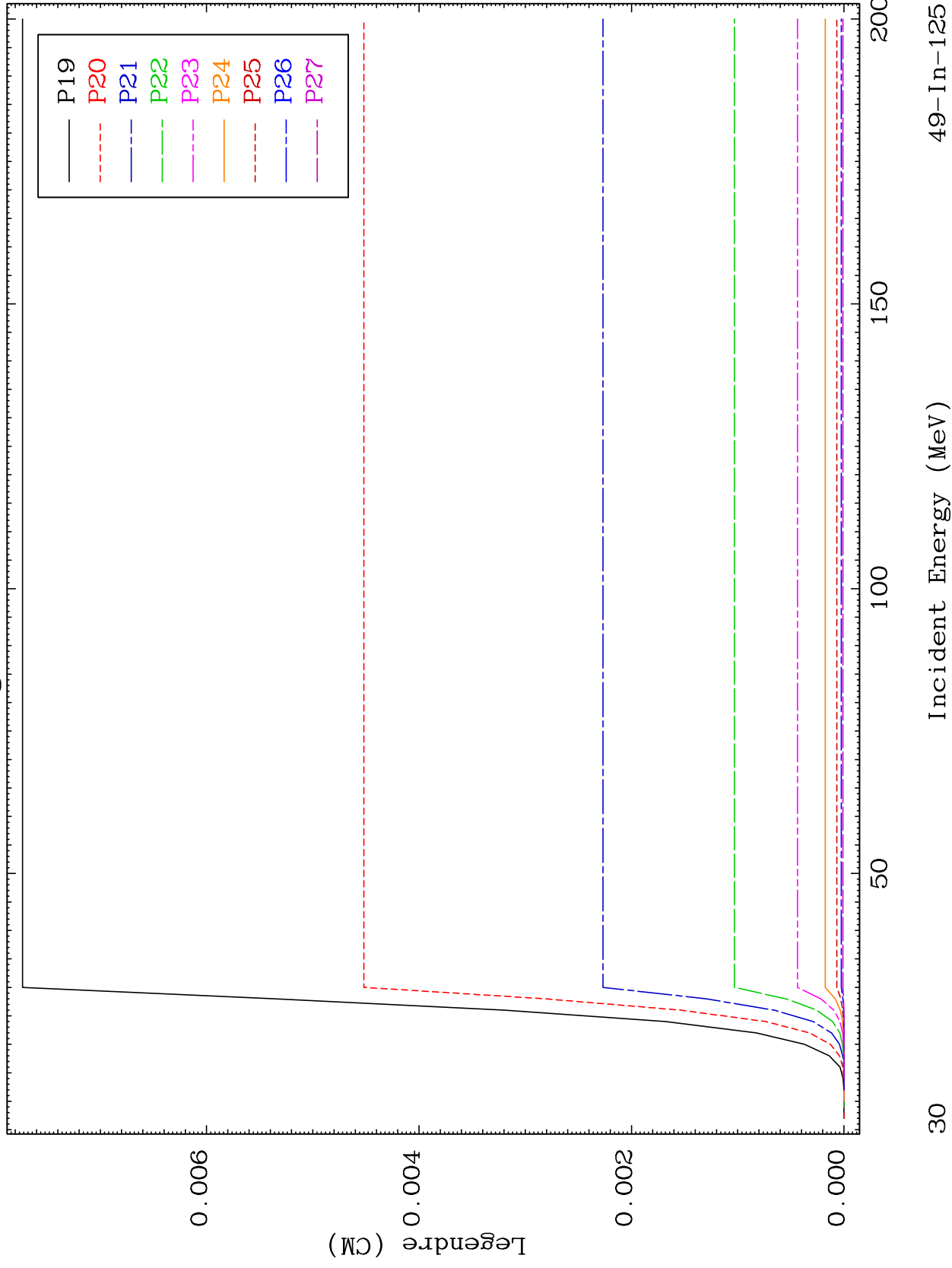




MAT 4961

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

49-In-125



30

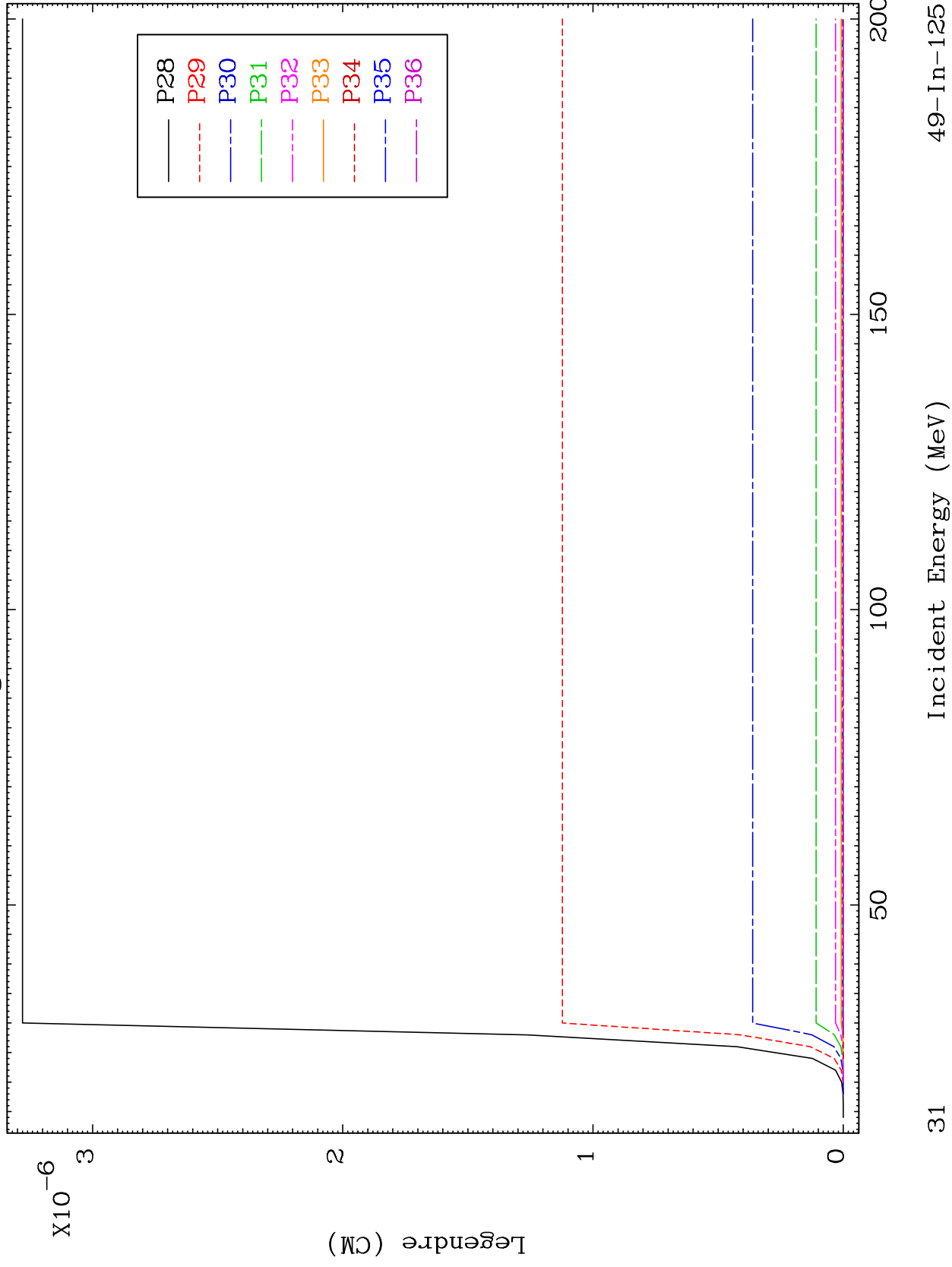
Incident Energy (MeV)

49-In-125

MAT 4961

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

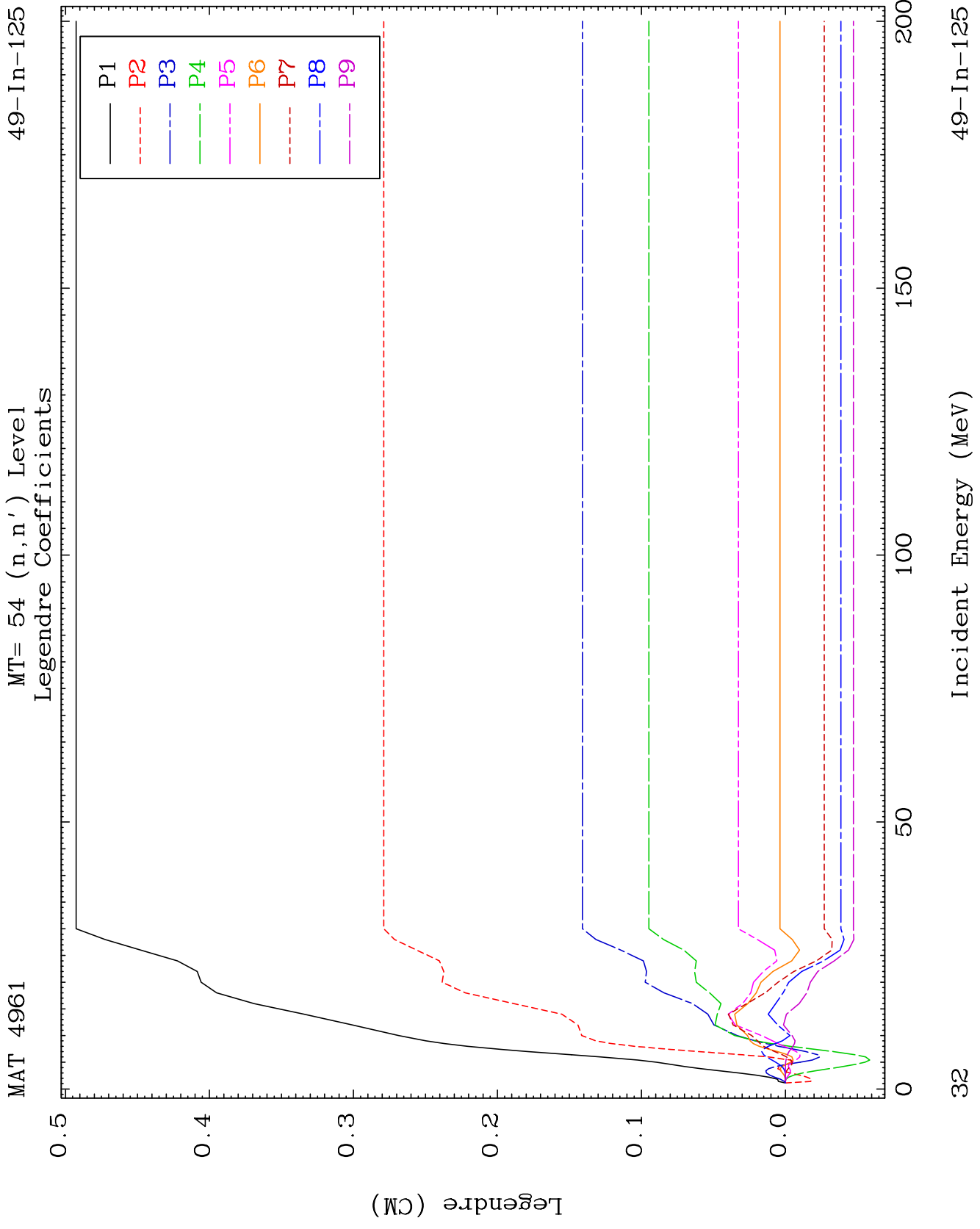
49-In-125



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Incident Energy (MeV)

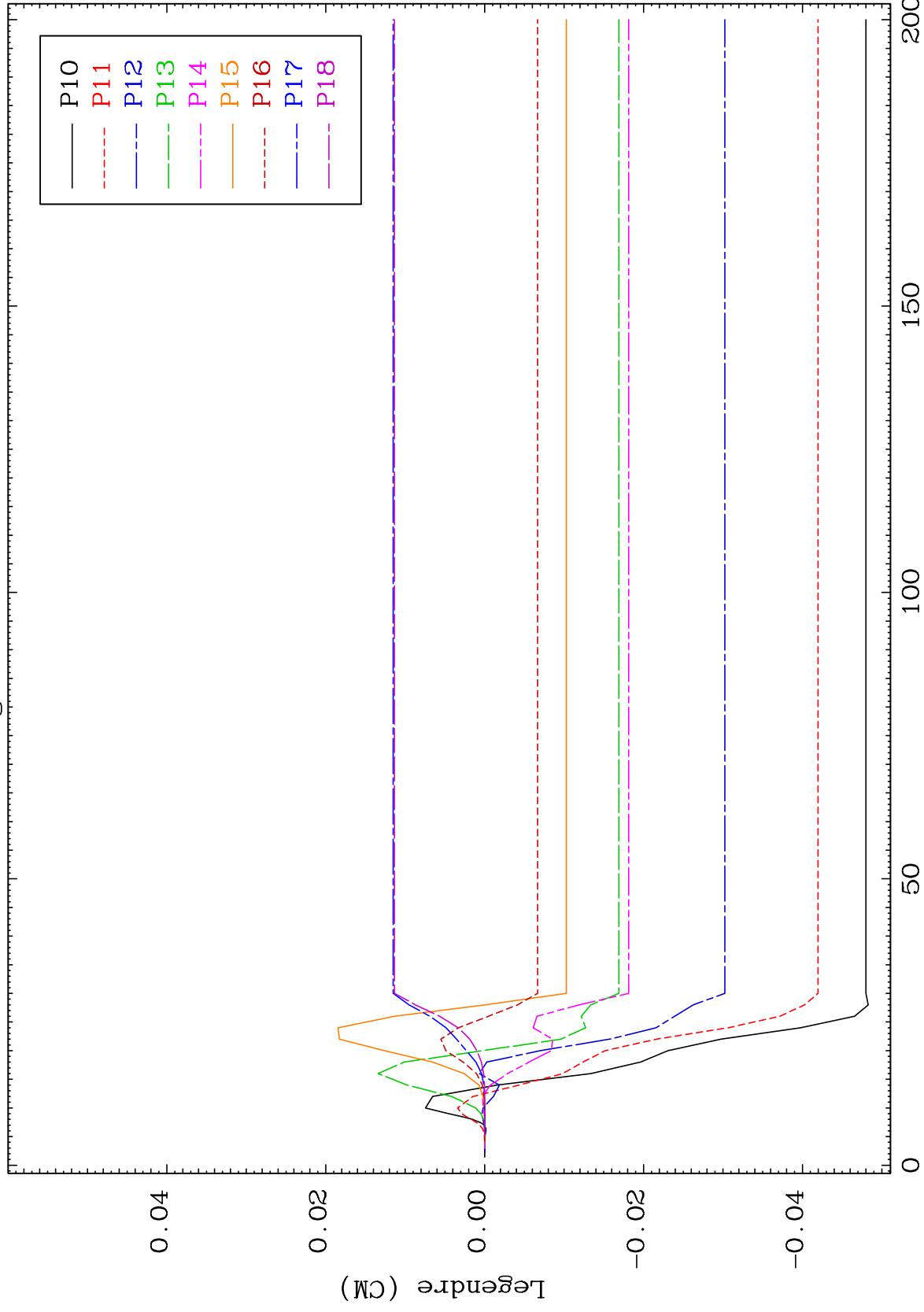
49-In-125



MAT 4961

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

49-In-125



33

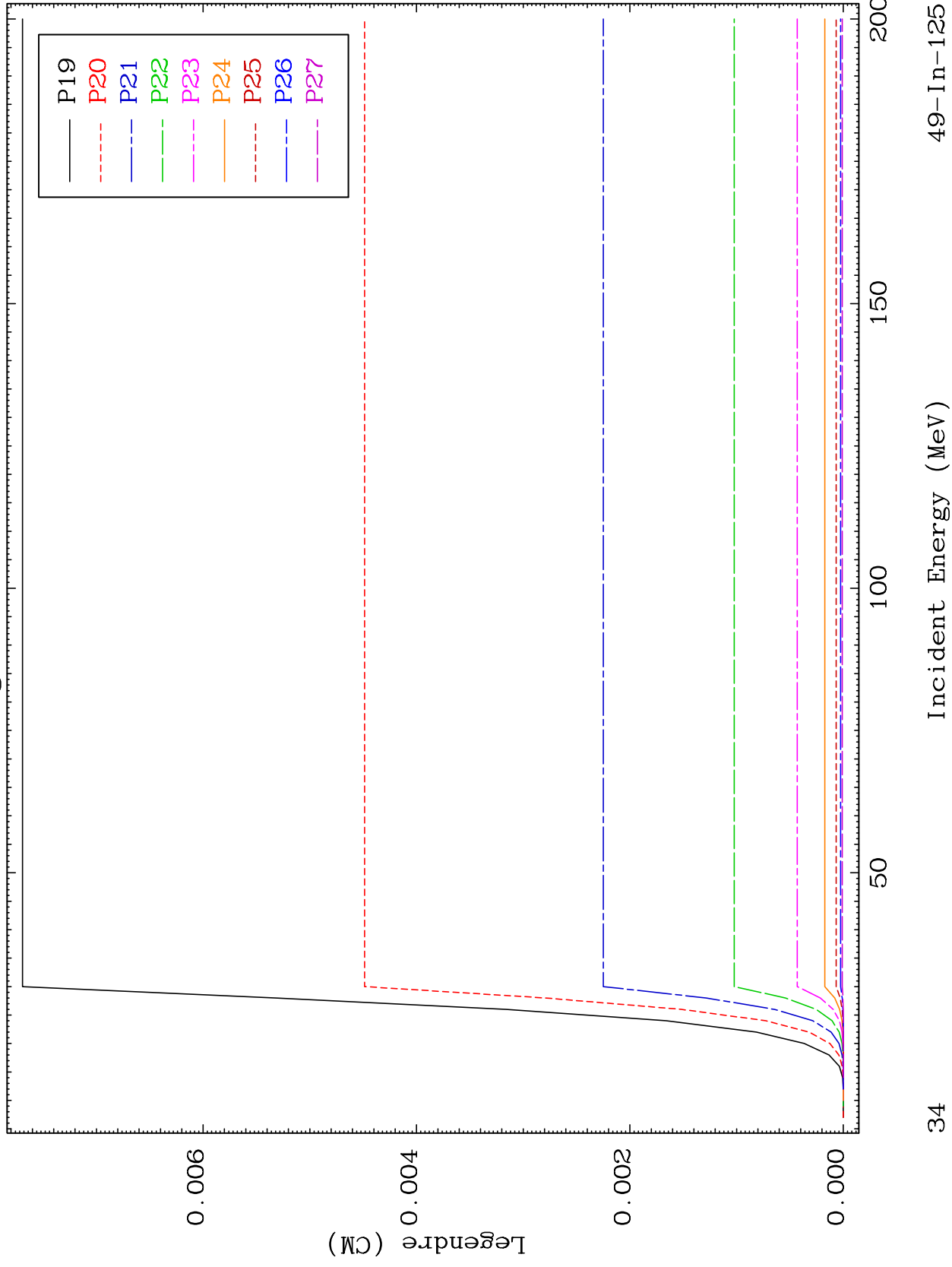
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



34

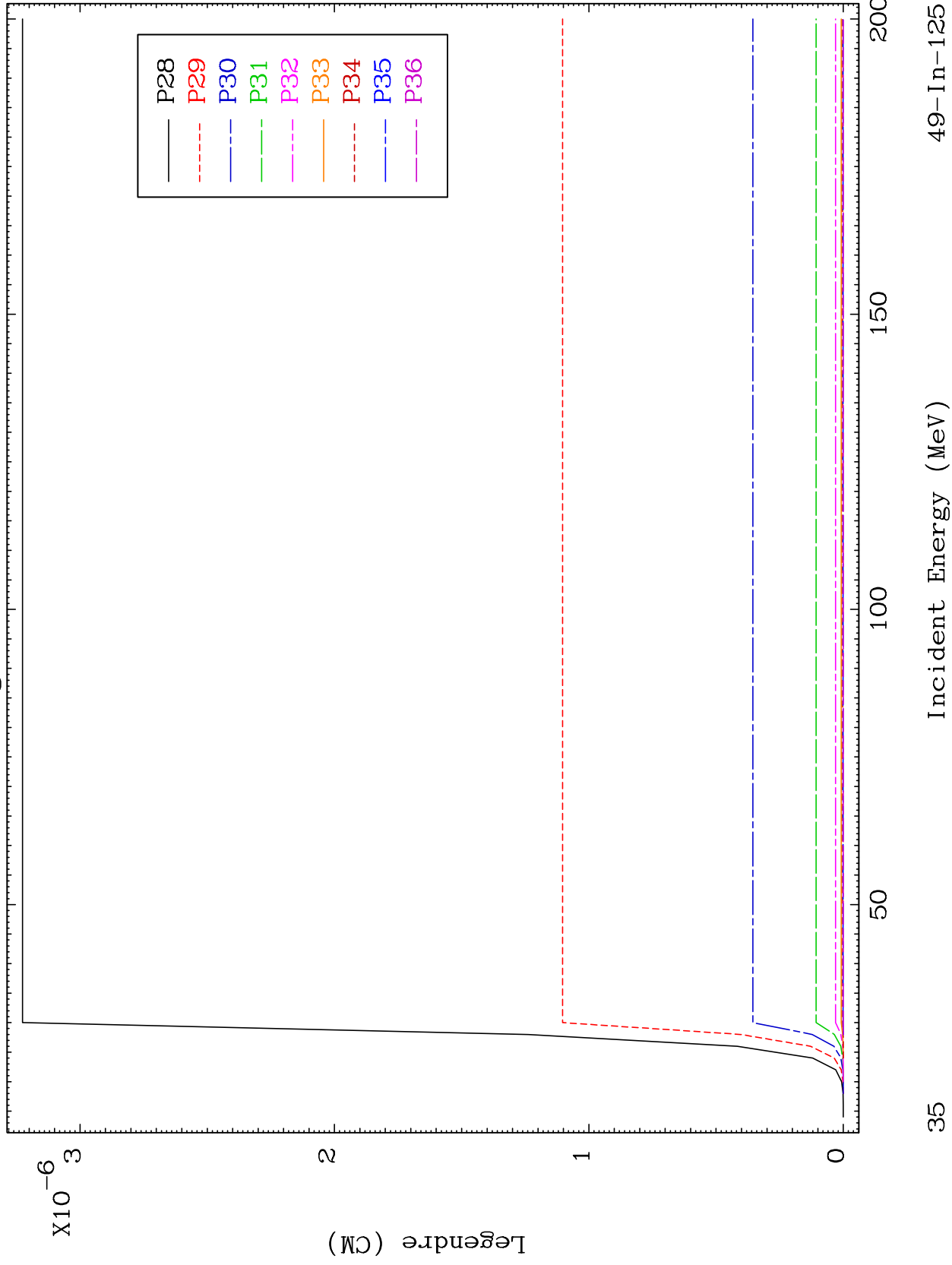
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



35

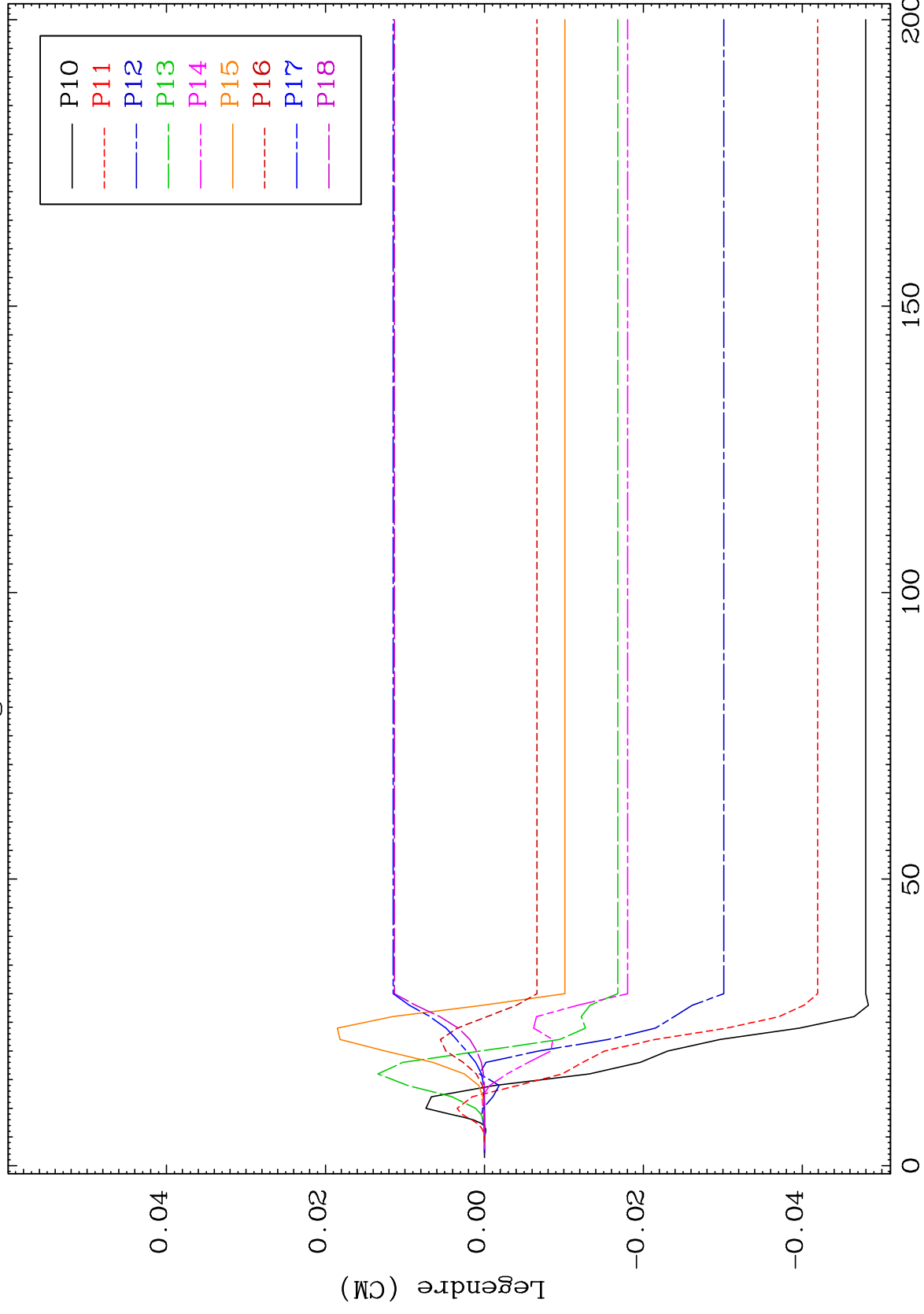
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



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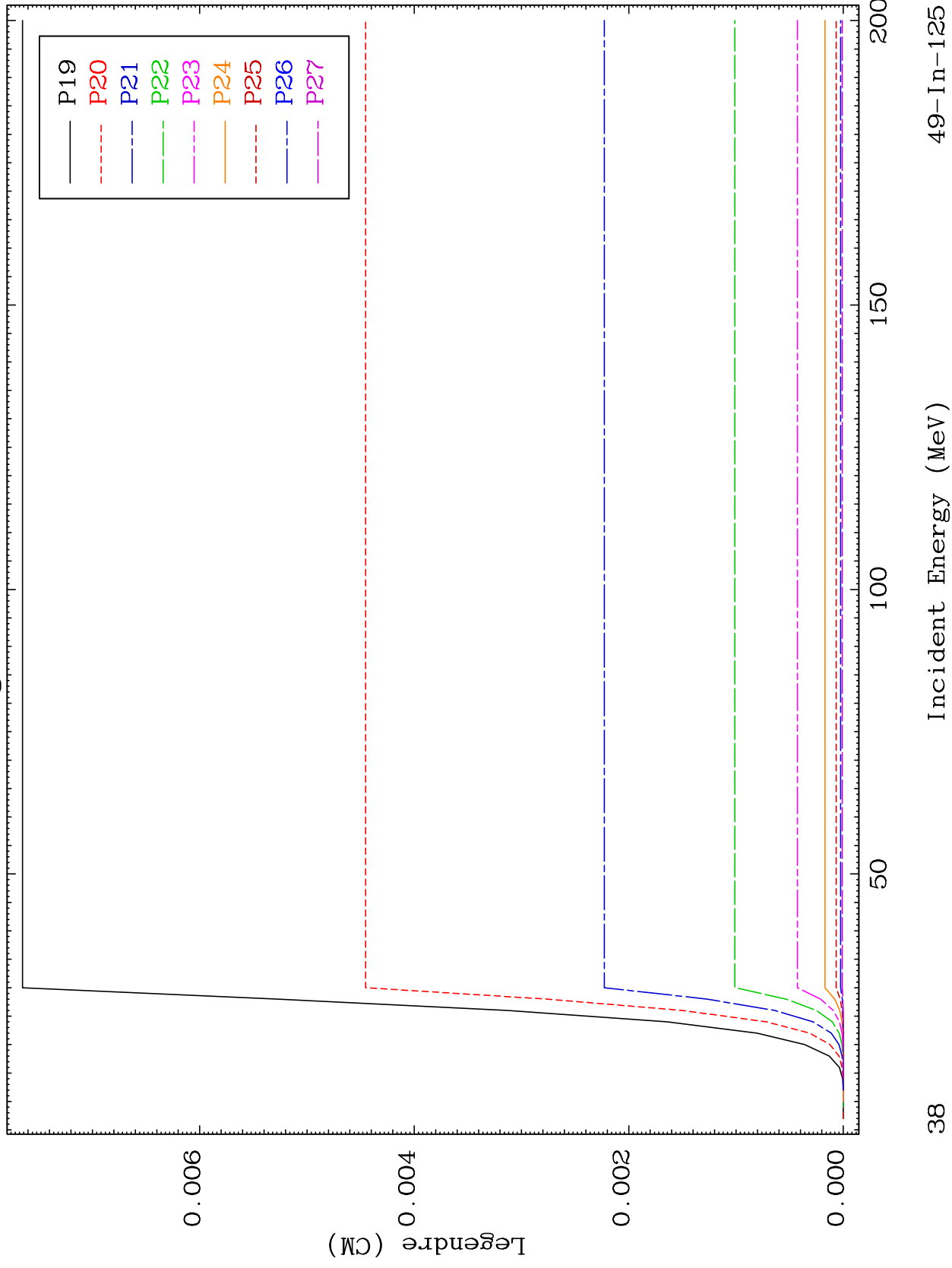
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



38

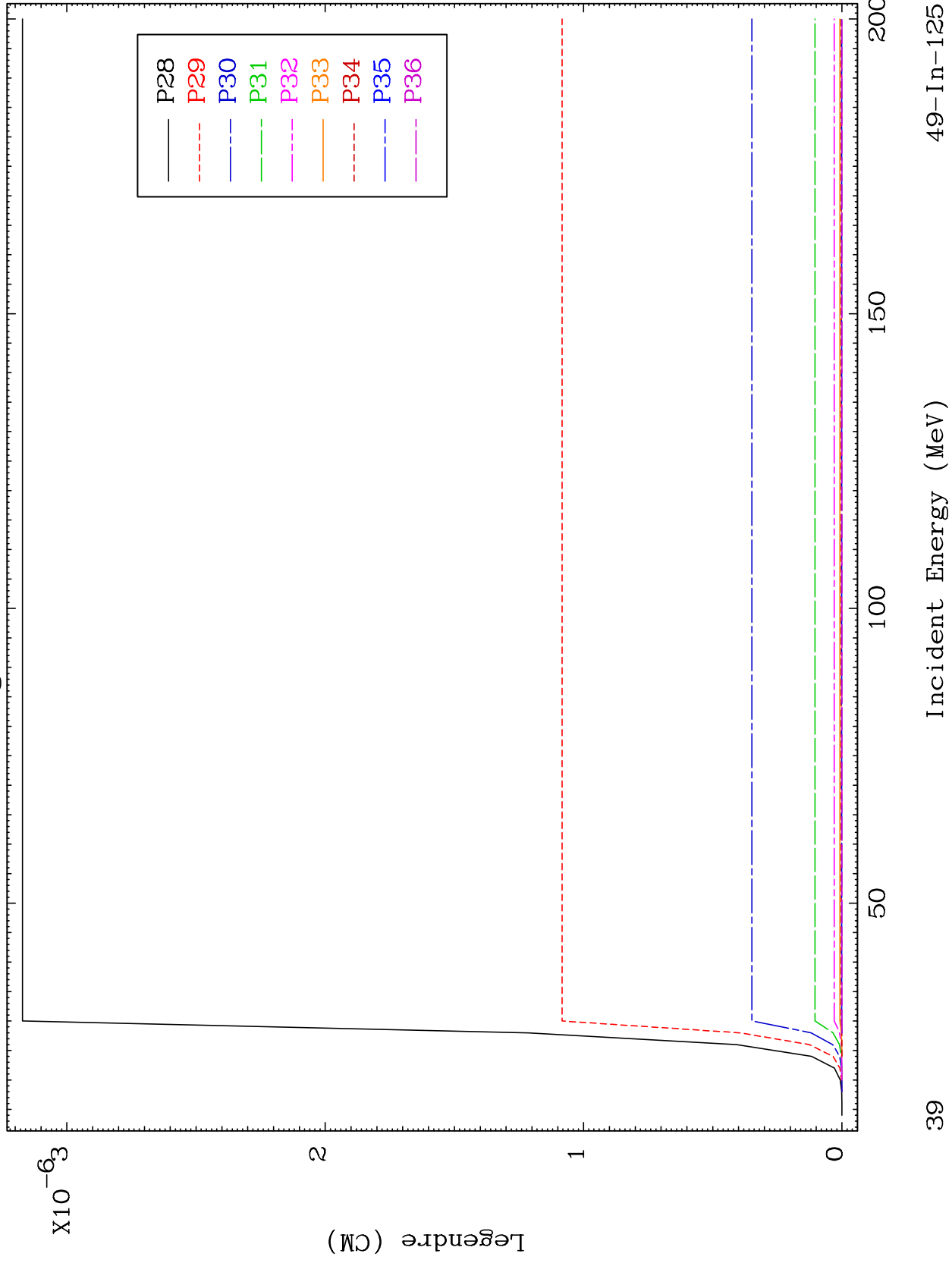
Incident Energy (MeV)

49-In-125

MAT 4961

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

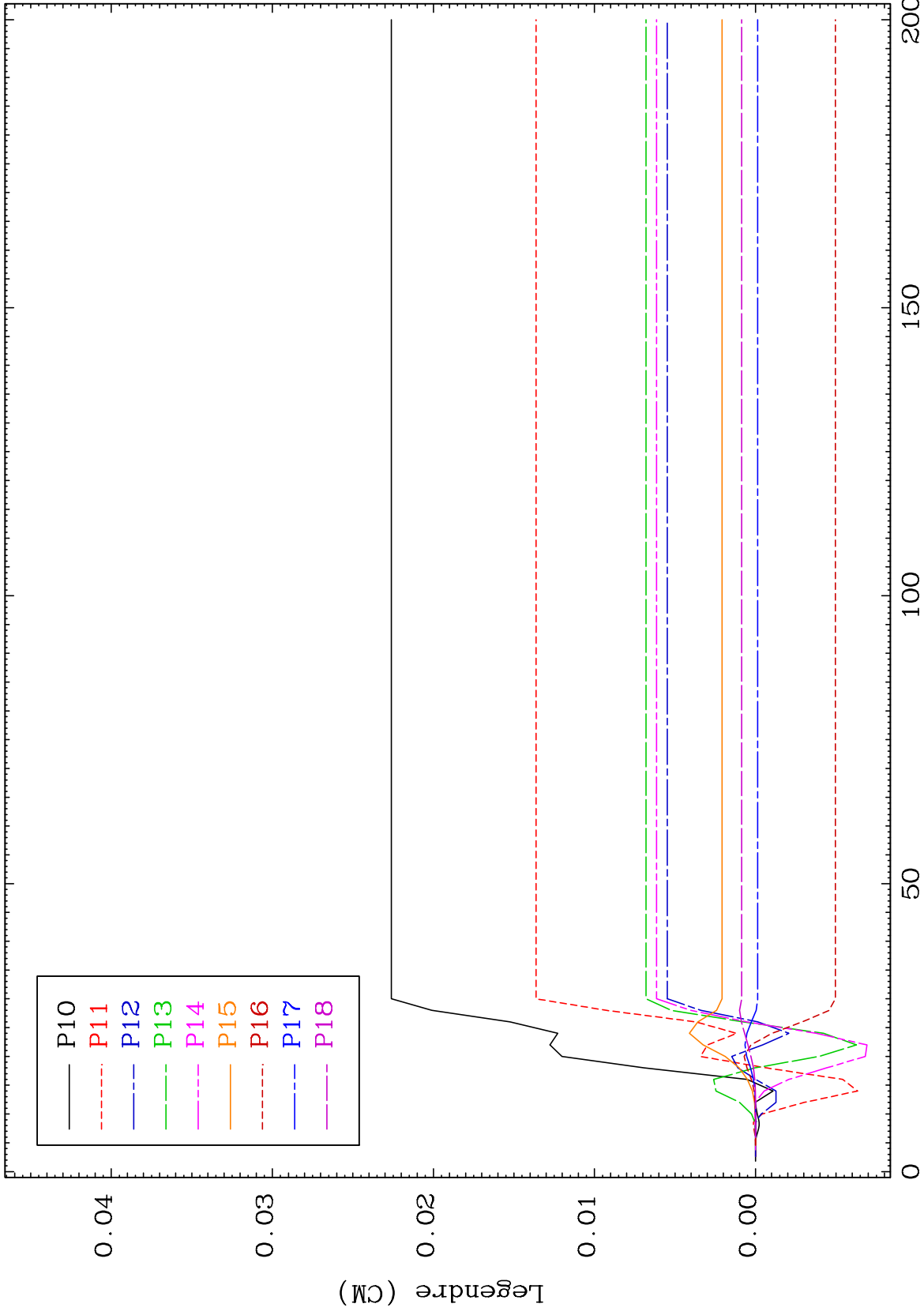
49-In-125



MAT 4961

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

49-In-125



41

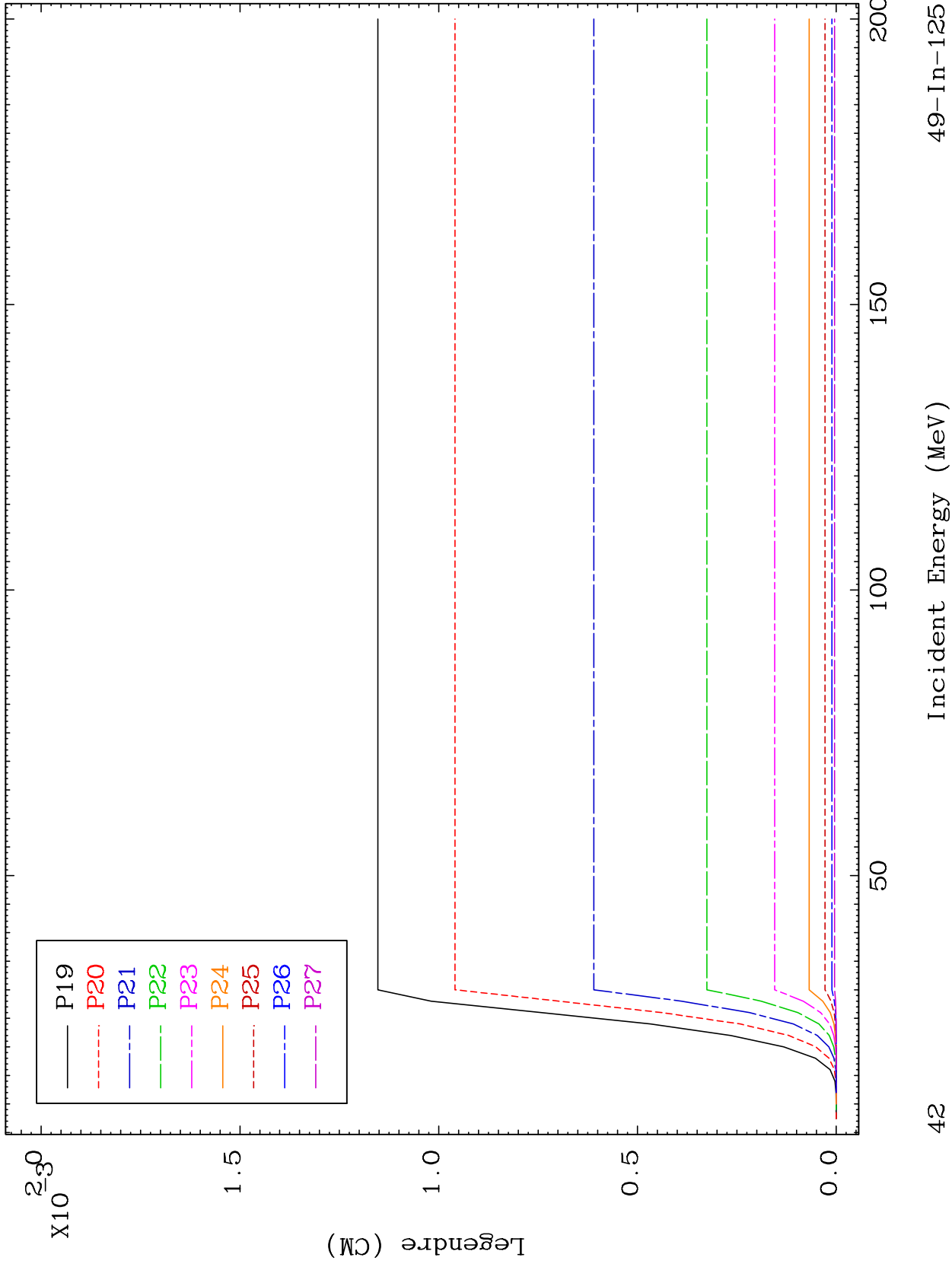
Incident Energy (MeV)

49-In-125

MAT 4961

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

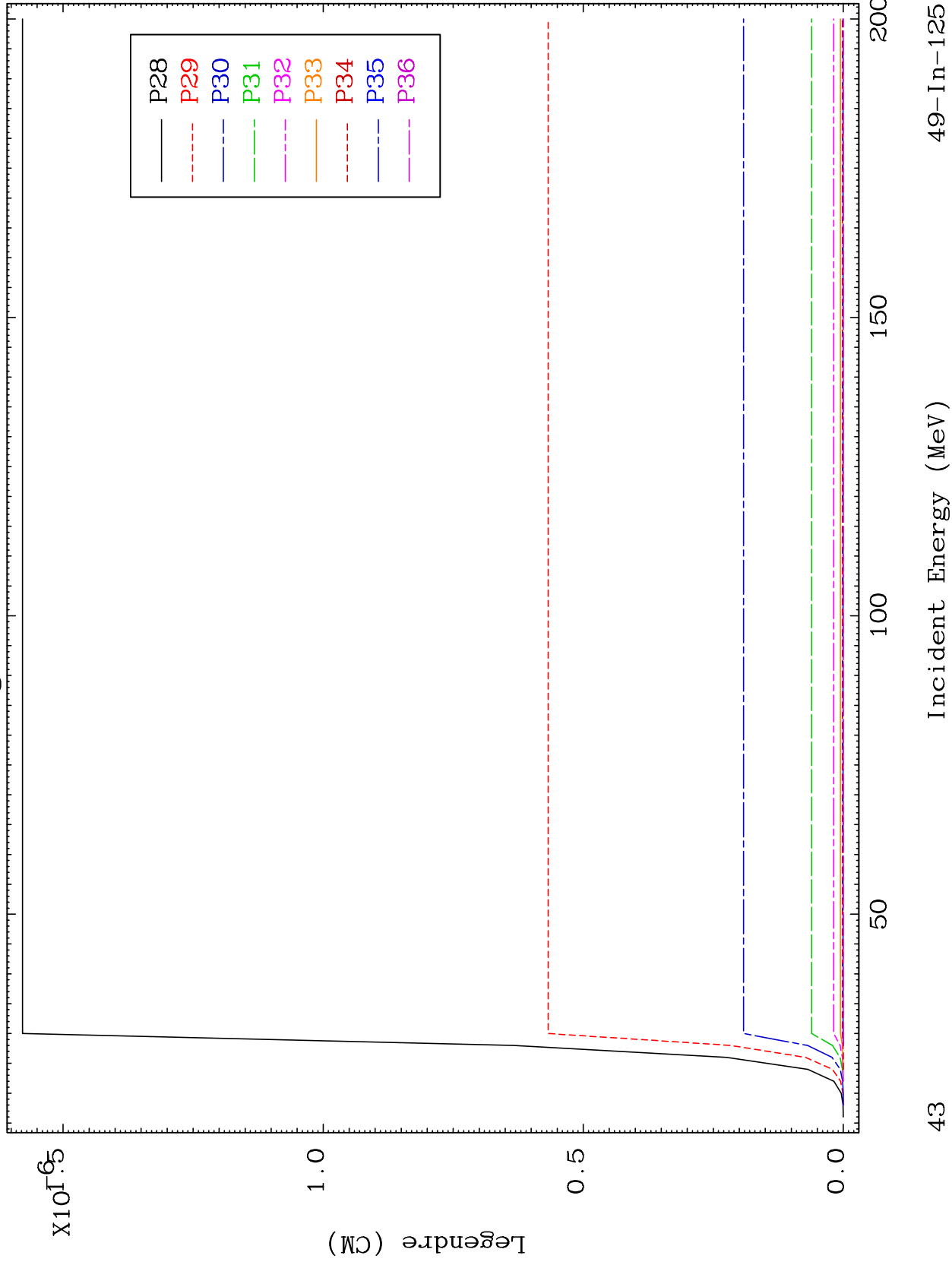
49-In-125



MAT 4961

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

49-In-125



43

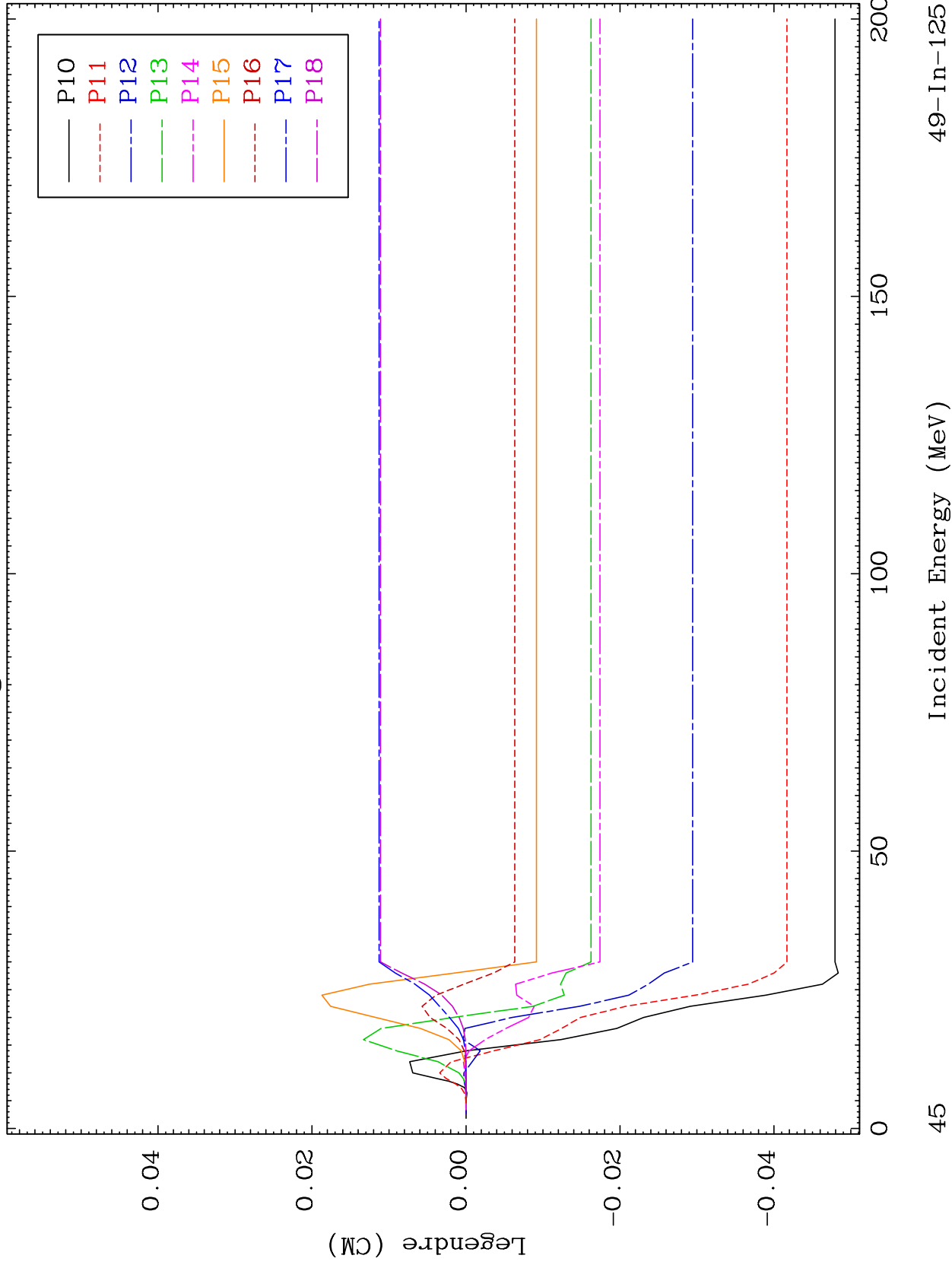
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



49-In-125

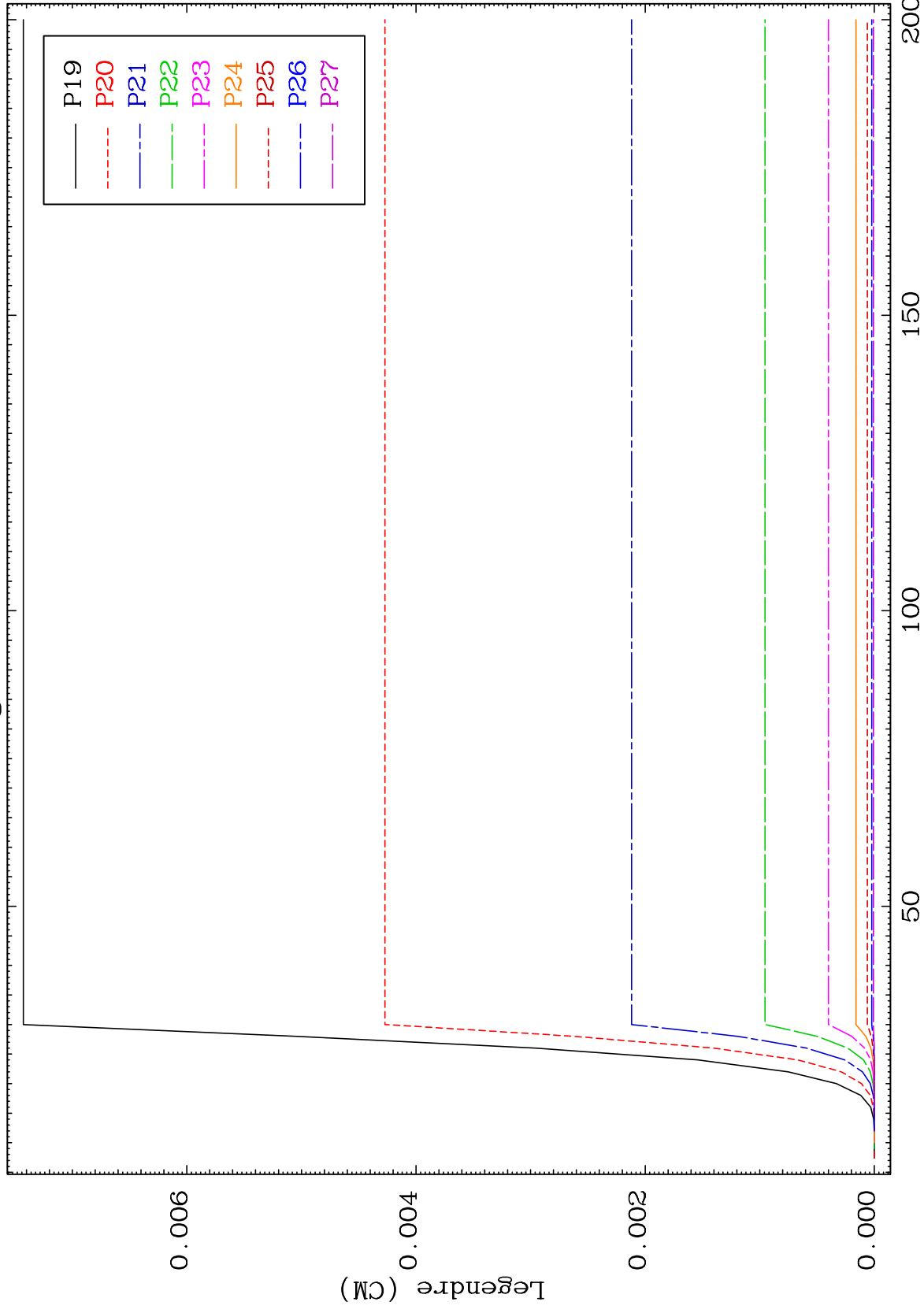
Incident Energy (MeV)

45

MAT 4961

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

49-In-125



46

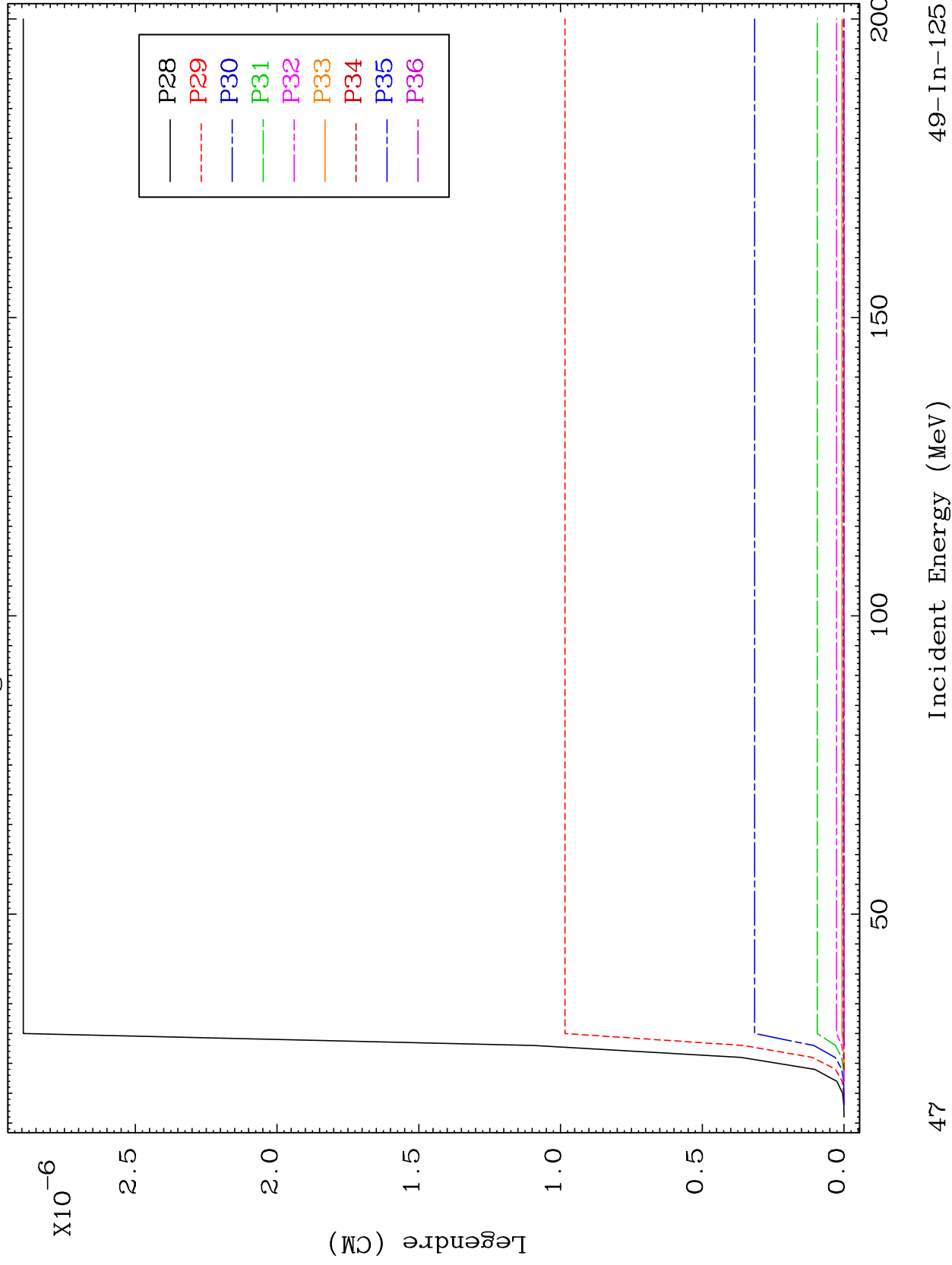
Incident Energy (MeV)

49-In-125

MAT 4961

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

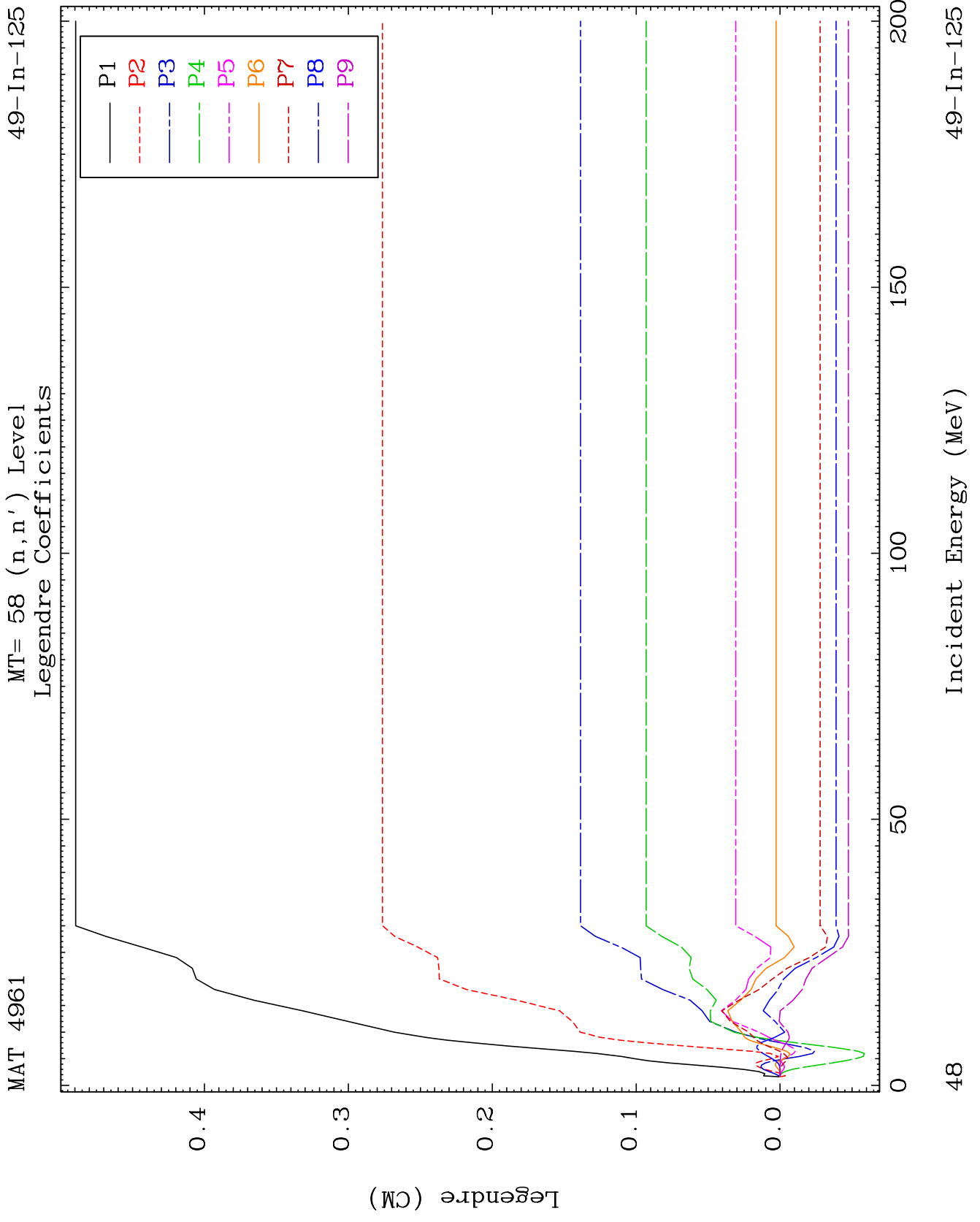
49-In-125



47

Incident Energy (MeV)

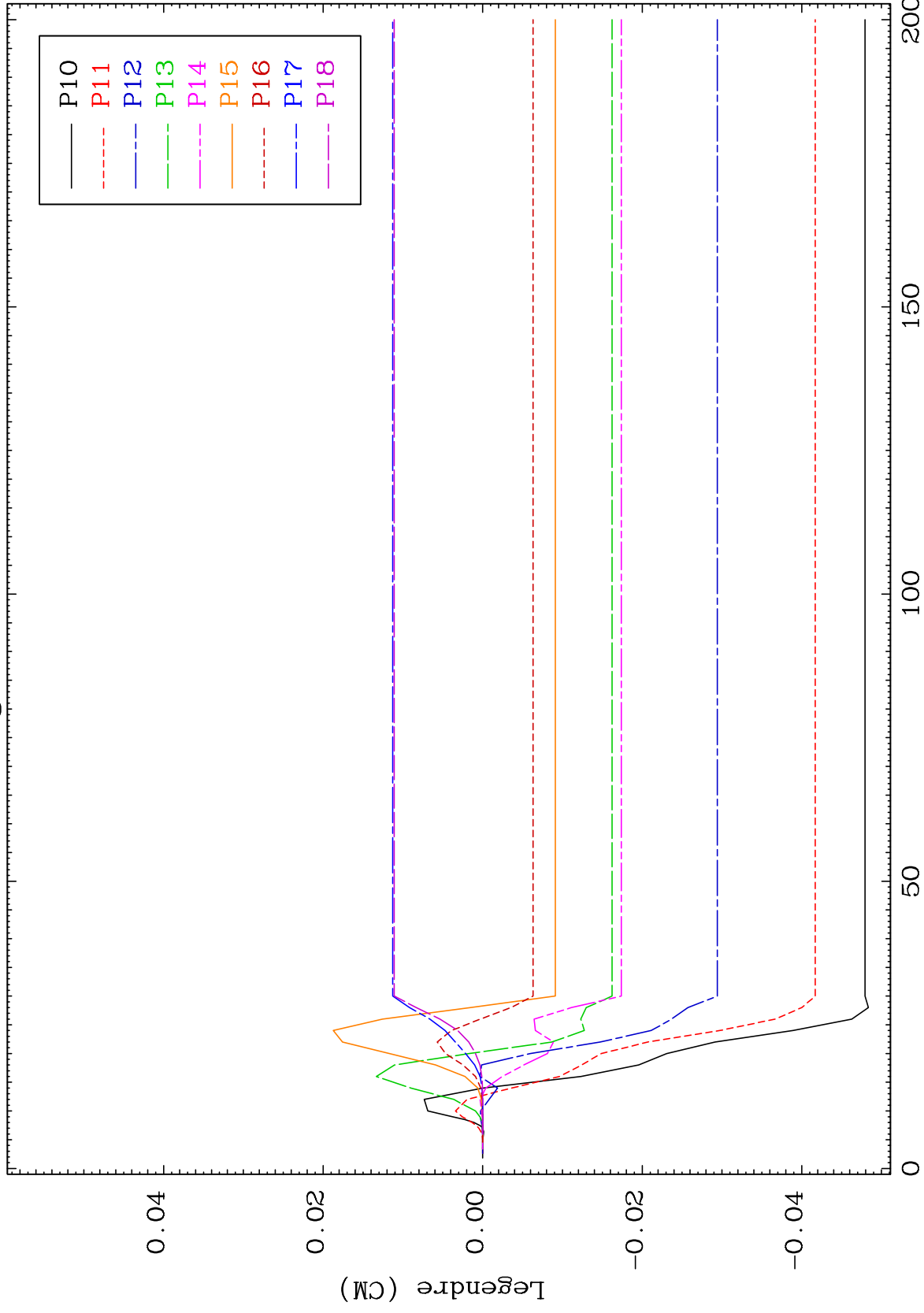
49-In-125



MAT 4961

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

49-In-125



49

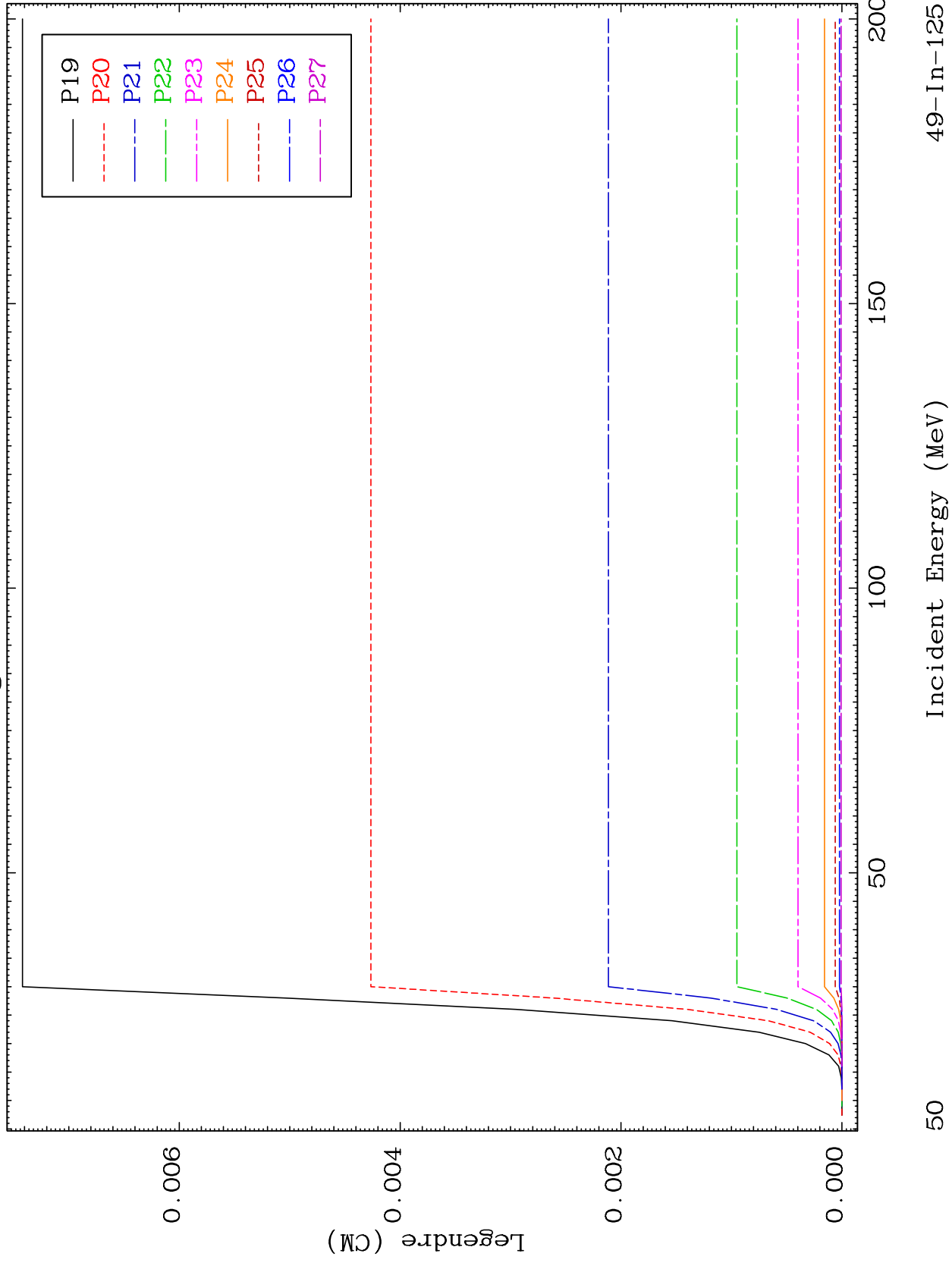
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



49-In-125

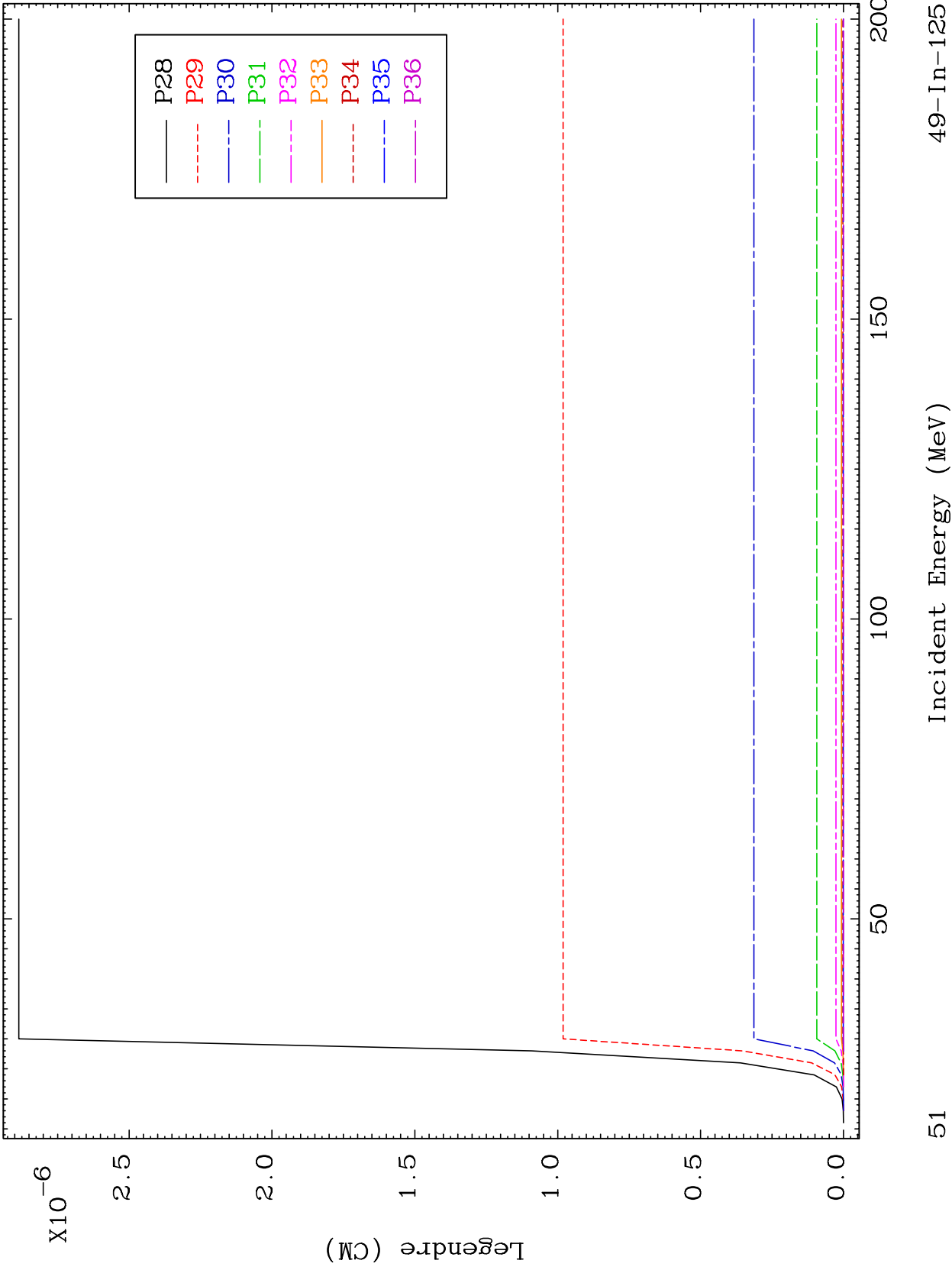
Incident Energy (MeV)

50

MAT 4961

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

49-In-125



51

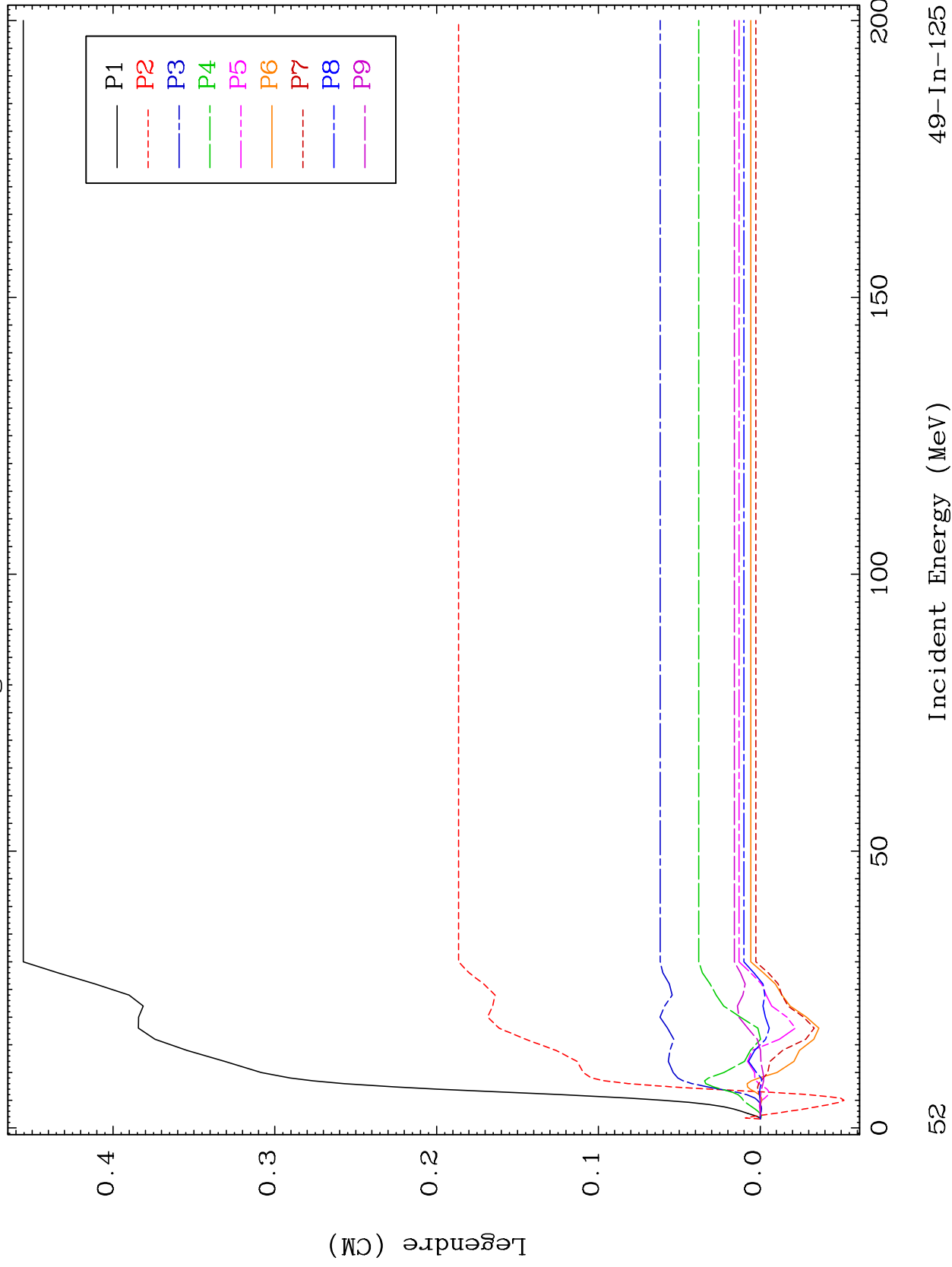
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



49-In-125

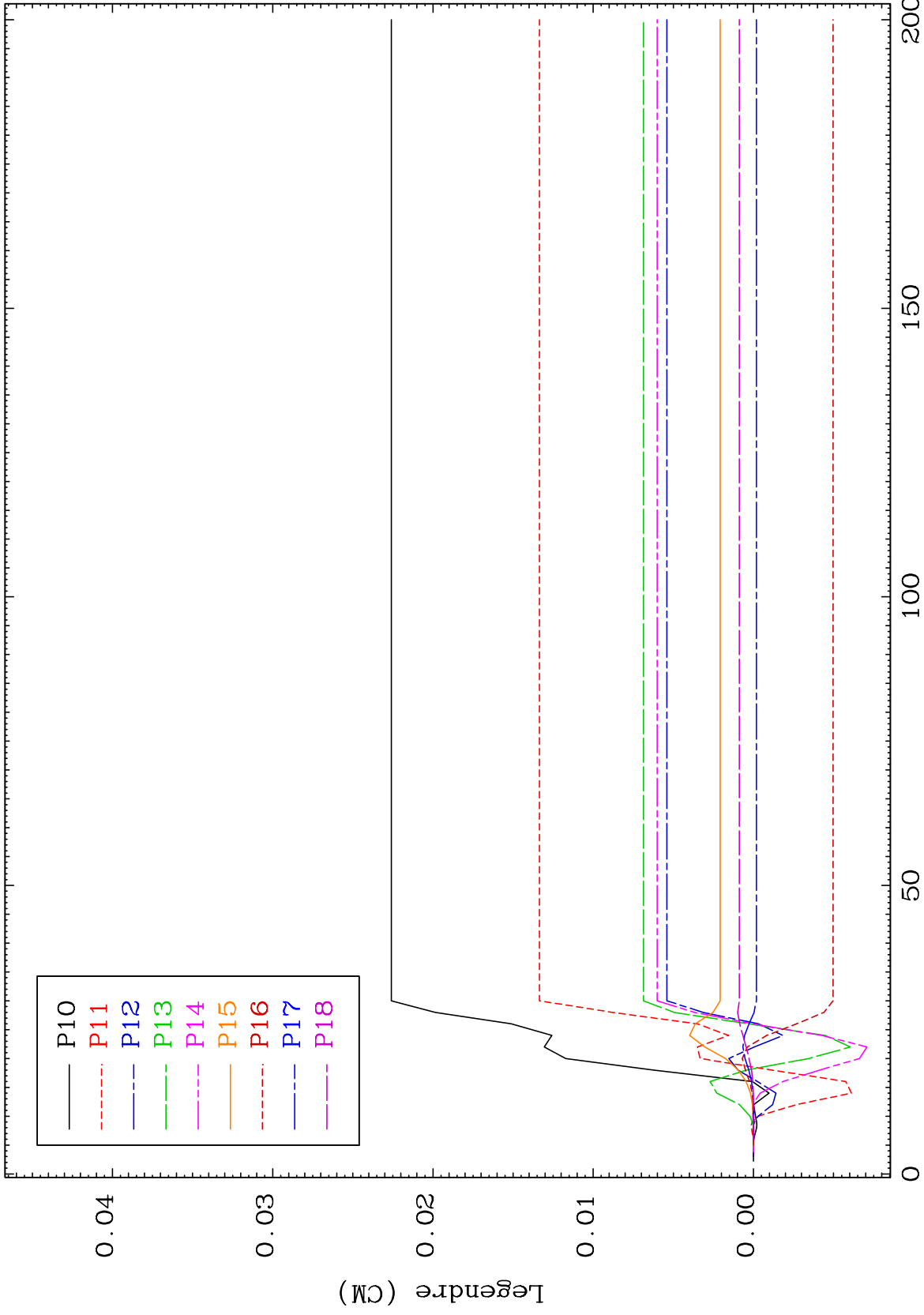
Incident Energy (MeV)

52

MAT 4961

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

49-In-125



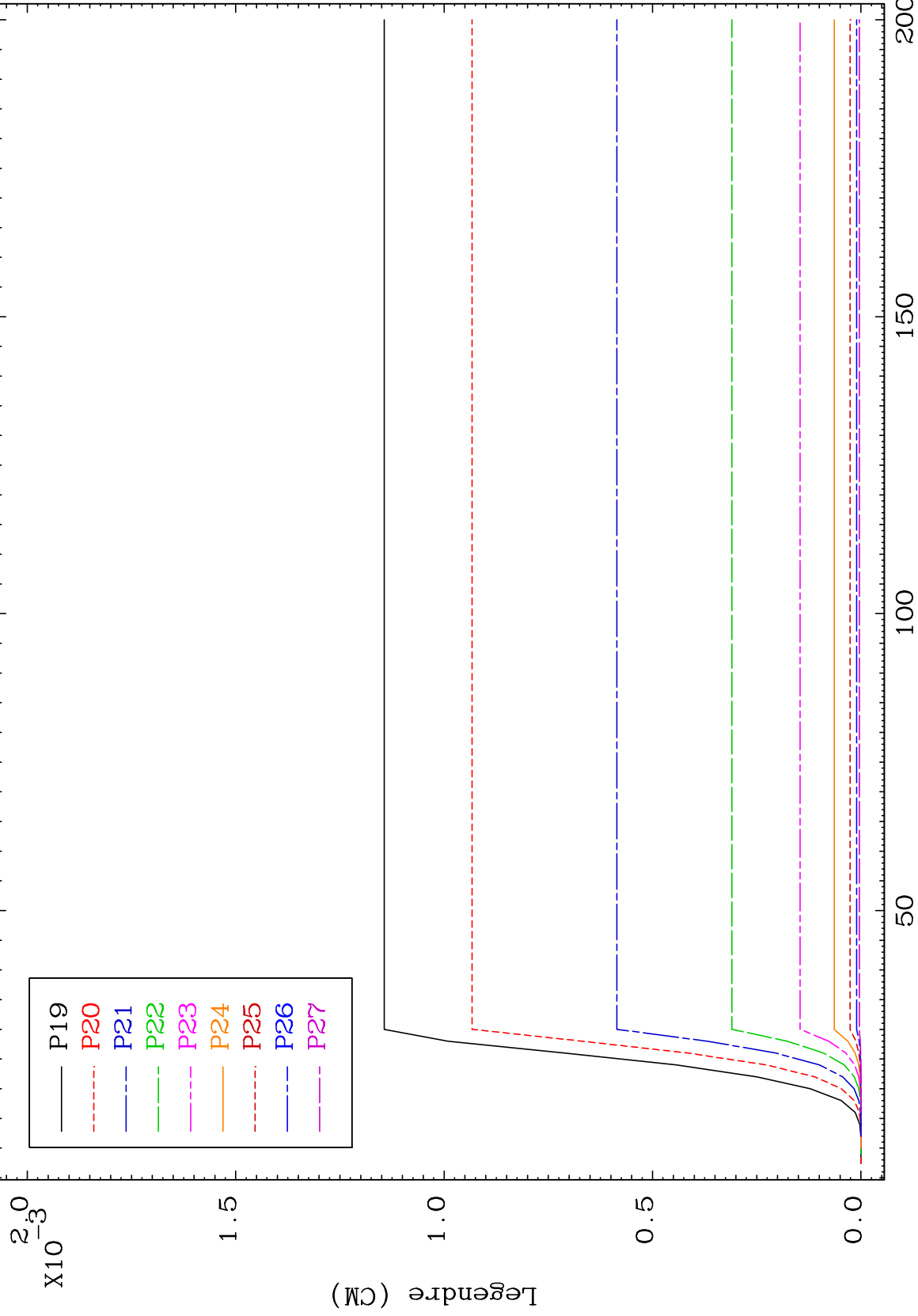
53

49-In-125

MAT 4961

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

49-In-125



54

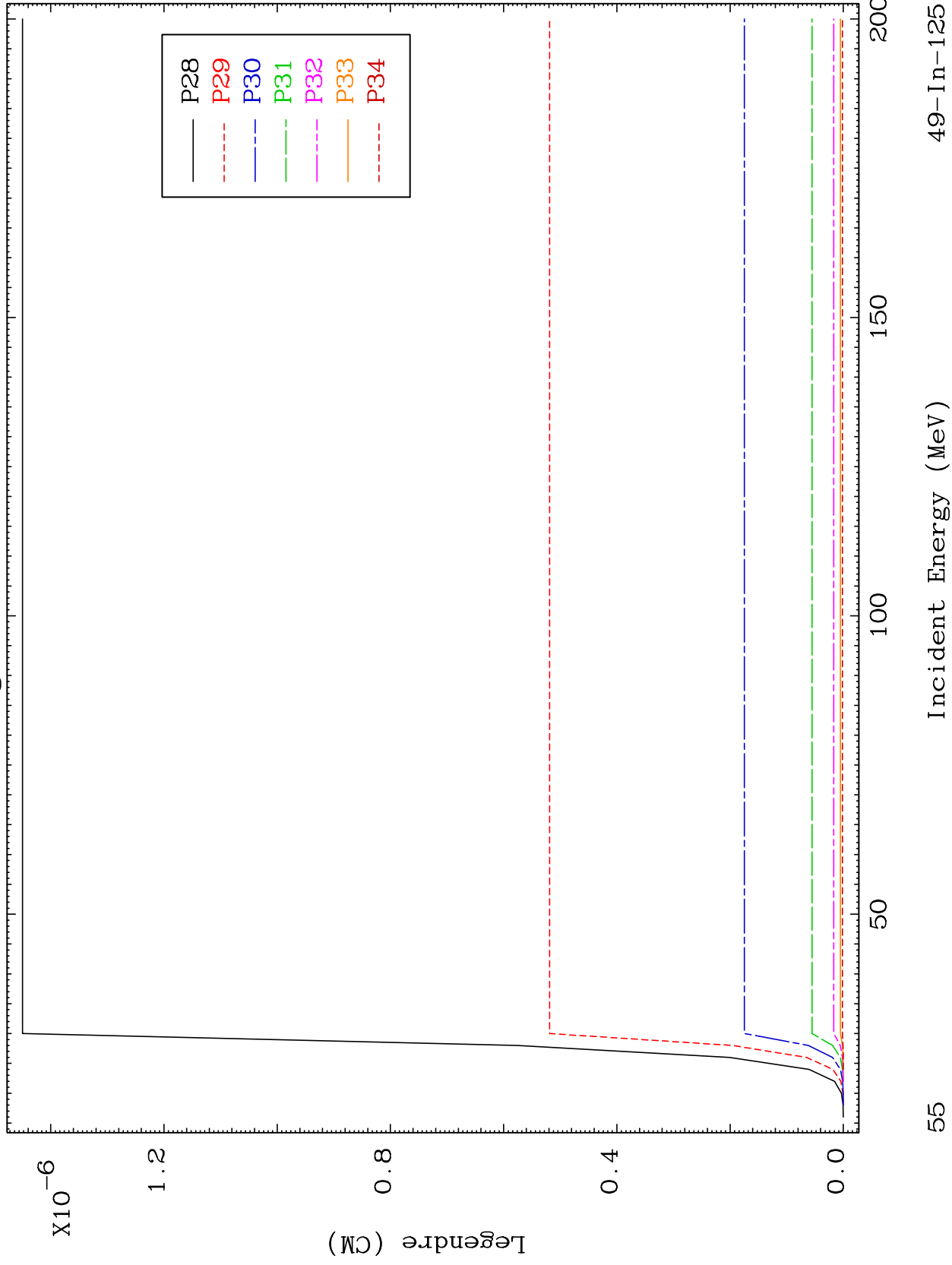
Incident Energy (MeV)

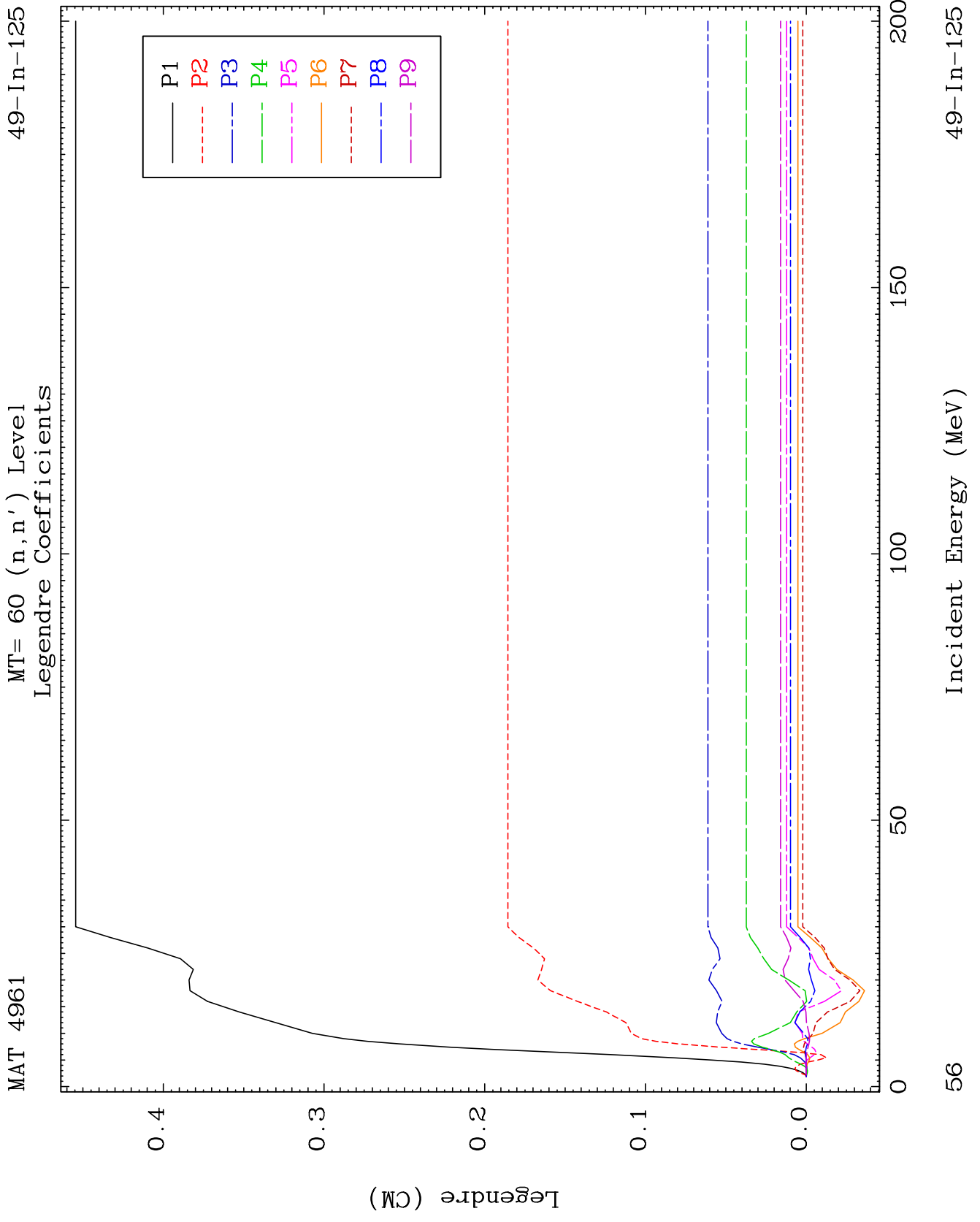
49-In-125

MAT 4961

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

49-In-125

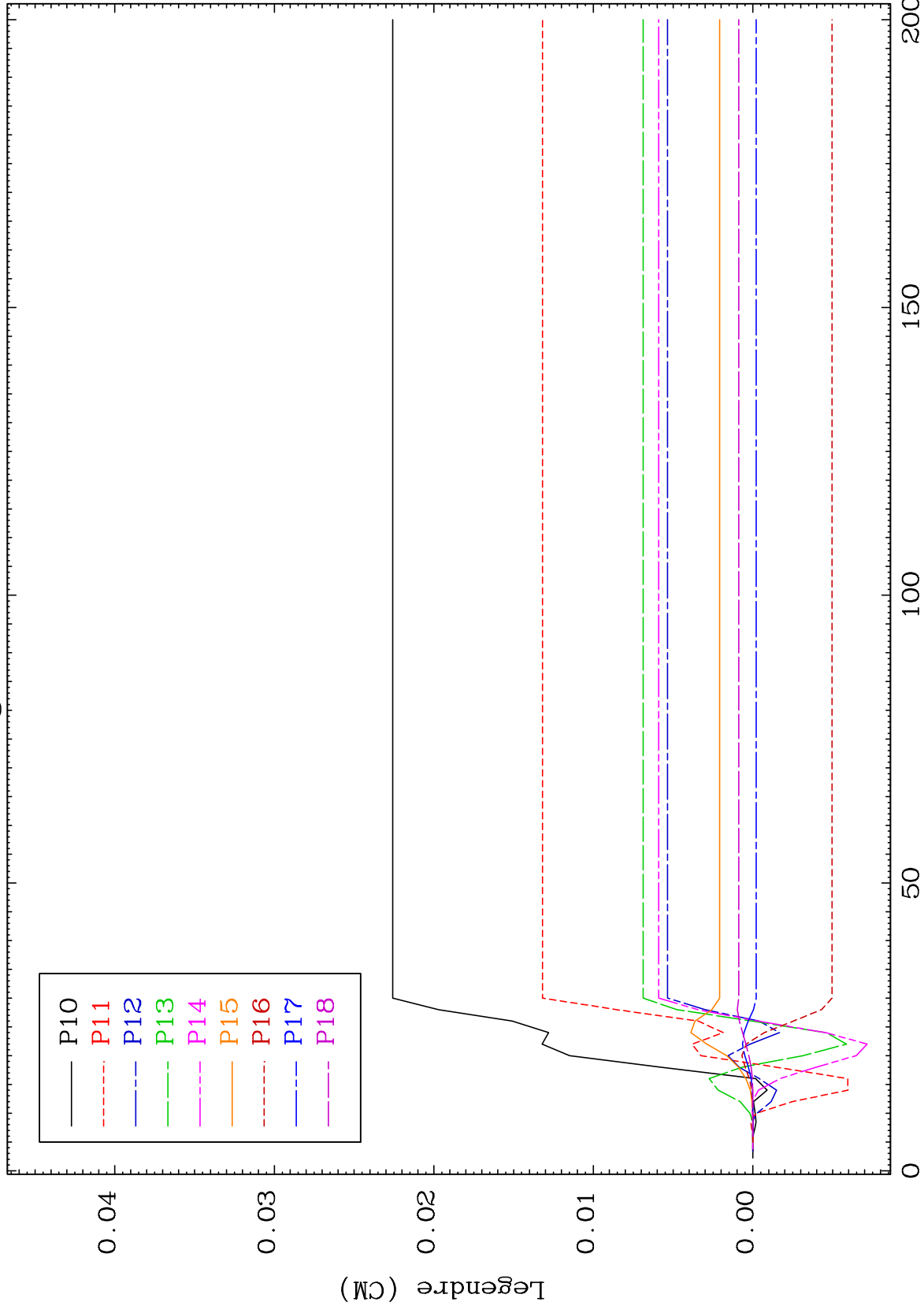




MAT 4961

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

49-In-125



57

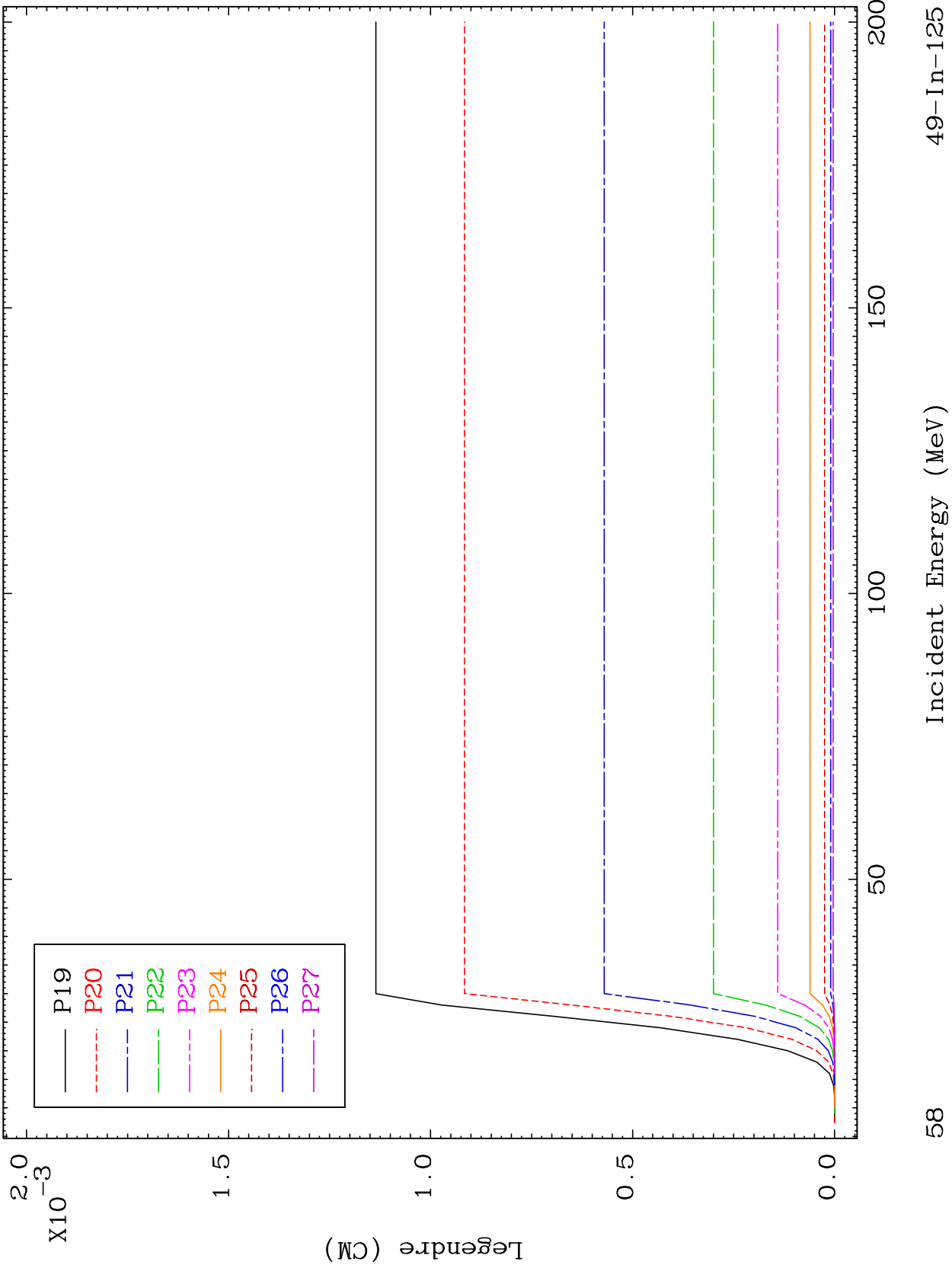
Incident Energy (MeV)

49-In-125

MAT 4961

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

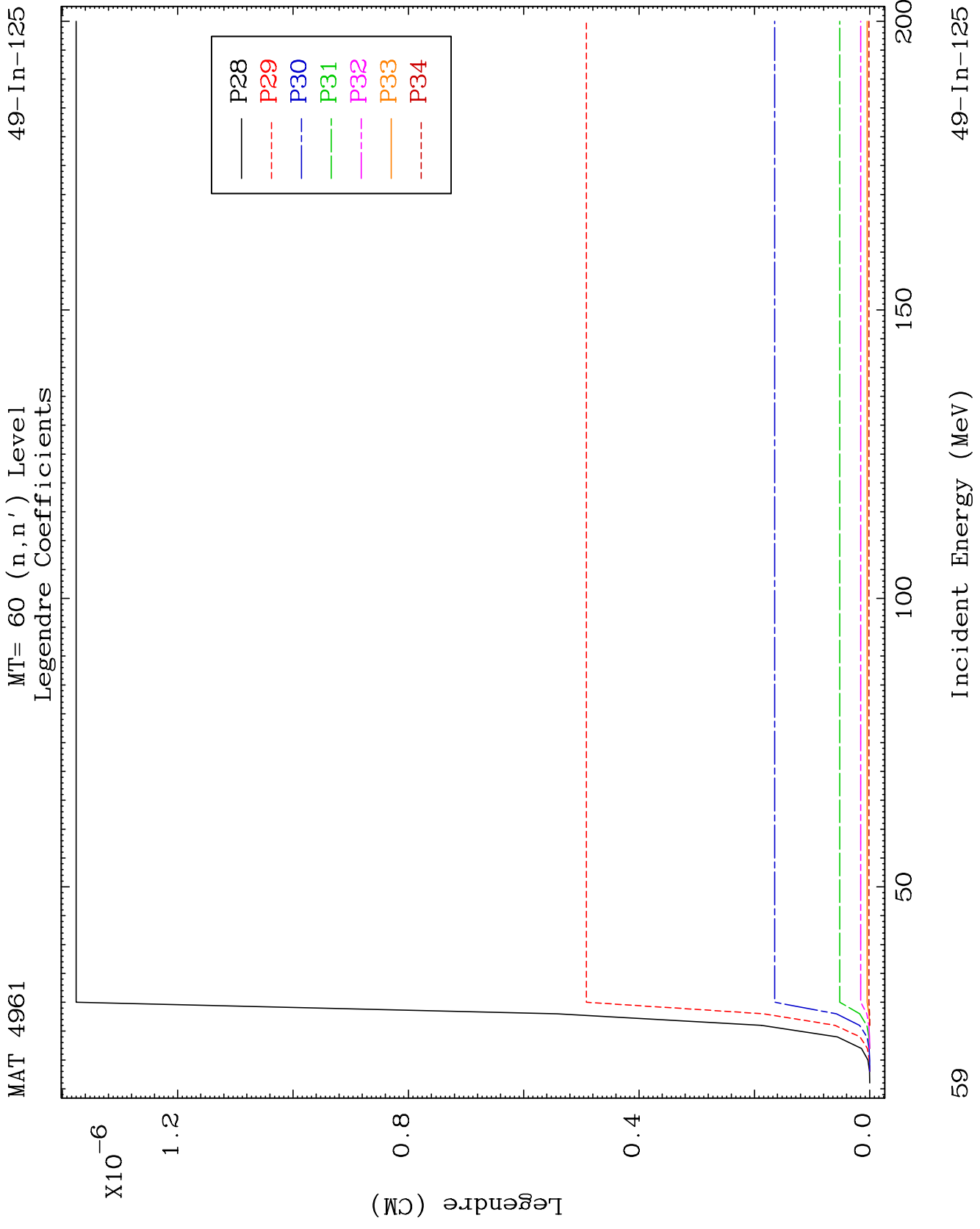
49-In-125



58

Incident Energy (MeV)

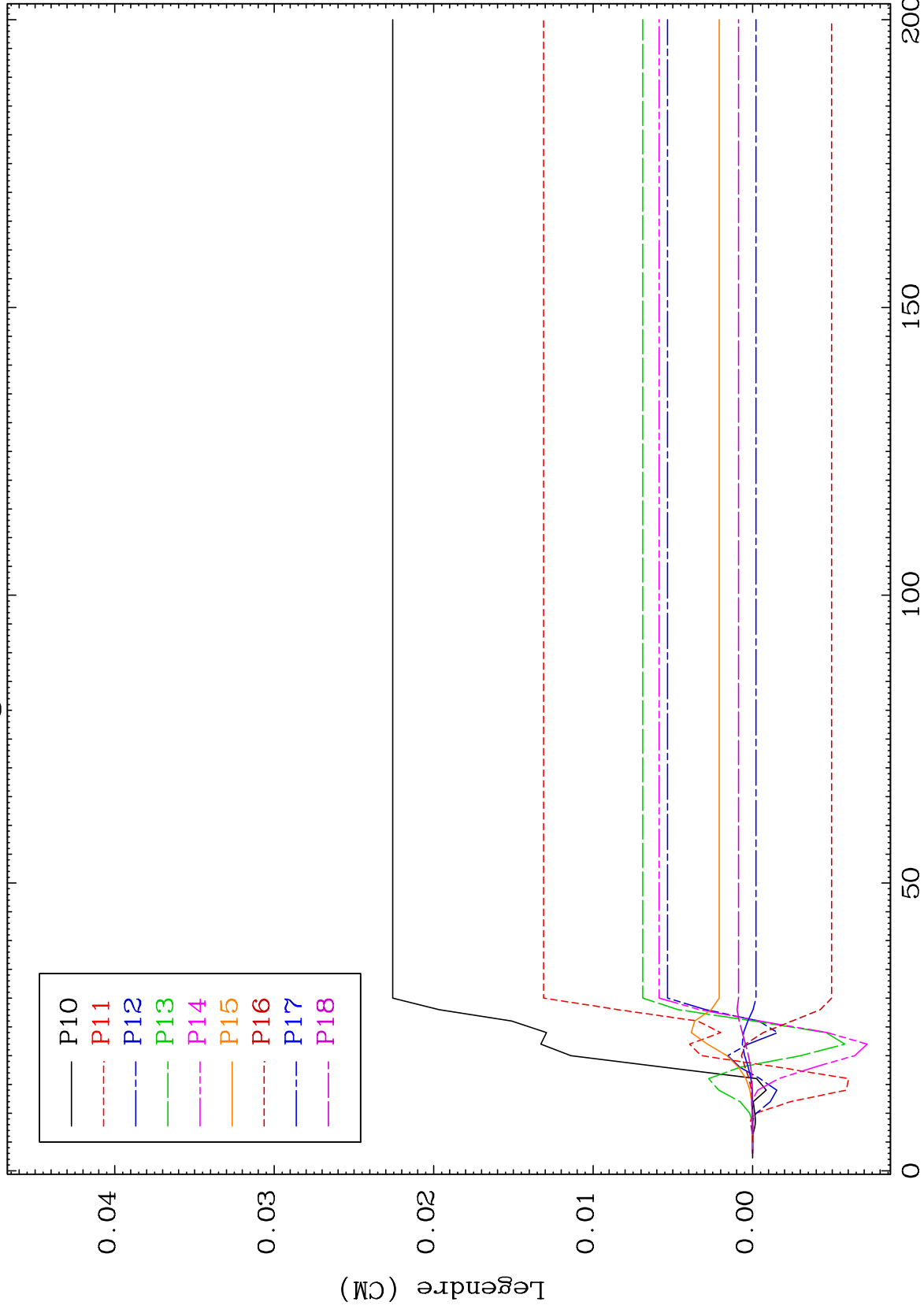
49-In-125



MAT 4961

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

49-In-125



61

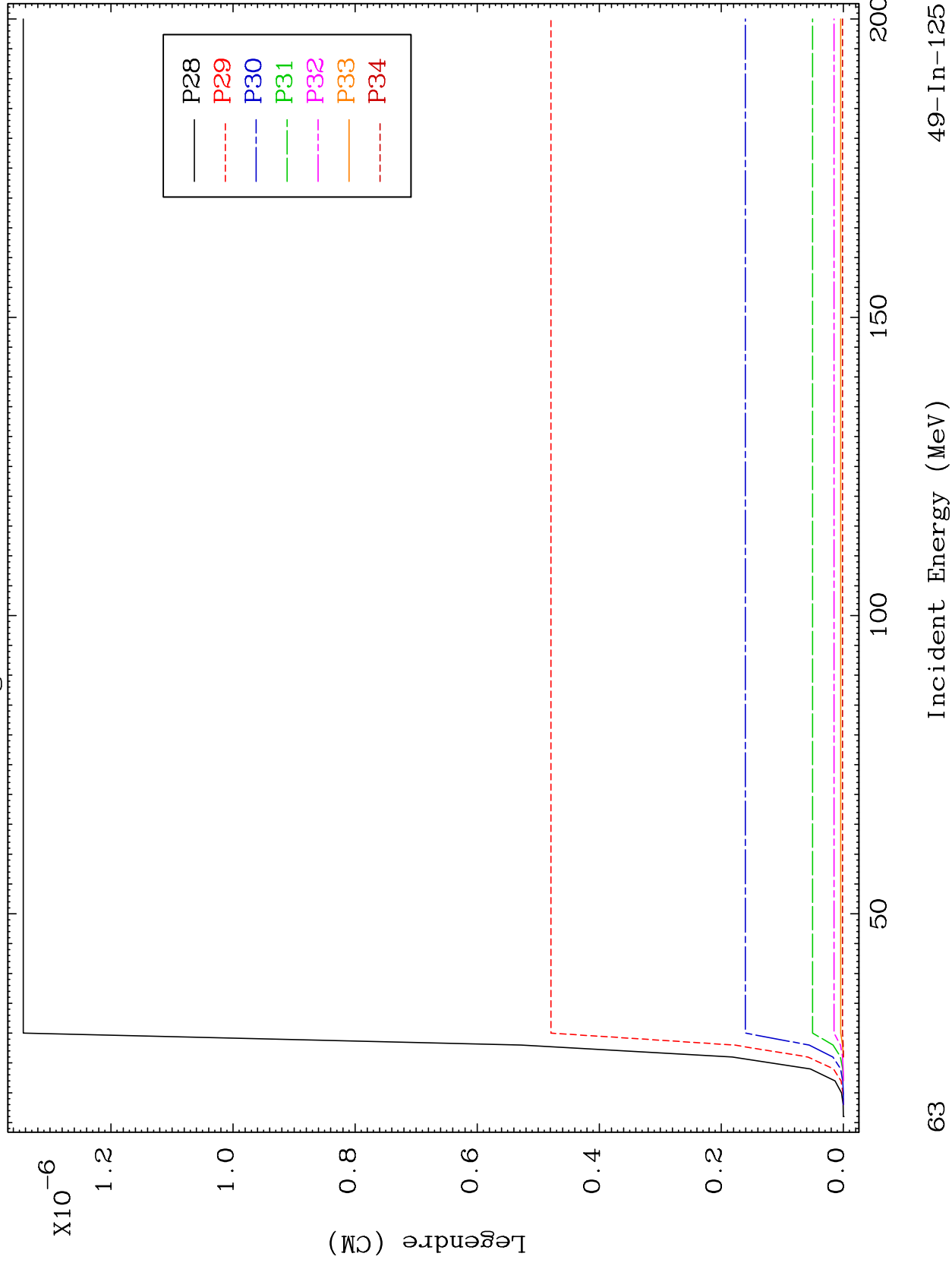
Incident Energy (MeV)

49-In-125

MAT 4961

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

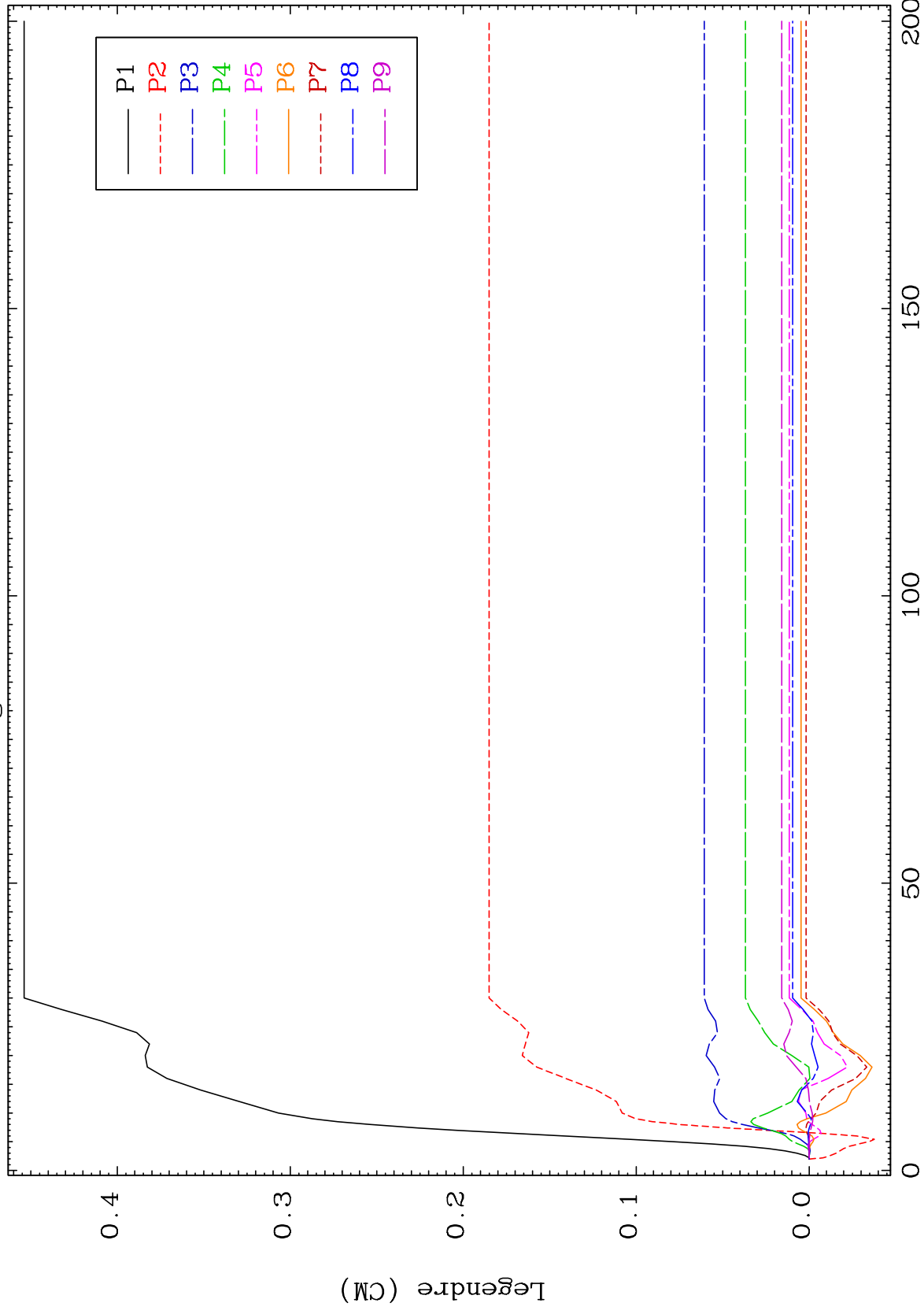
49-In-125



MAT 4961

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

49-In-125



64

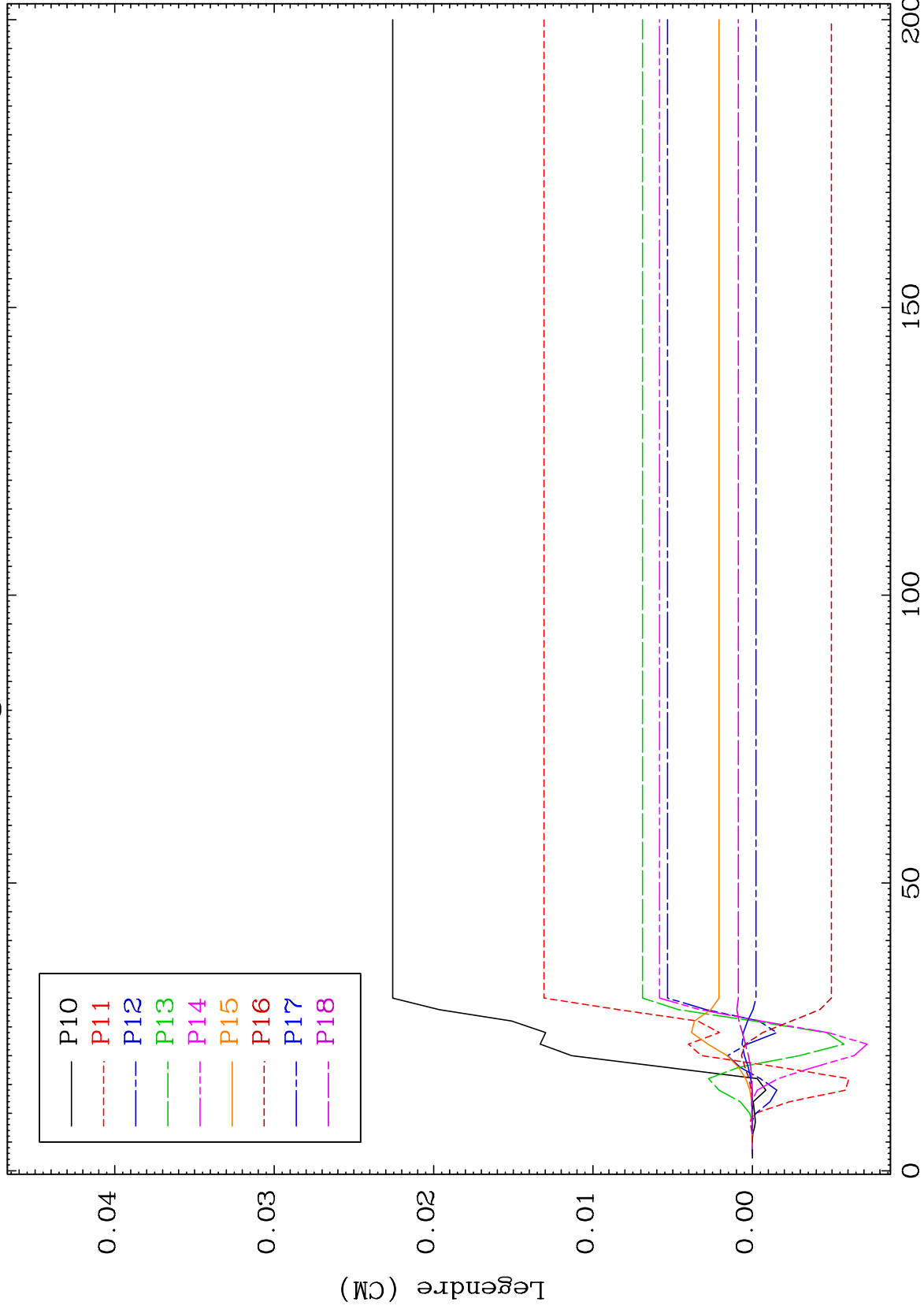
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



65

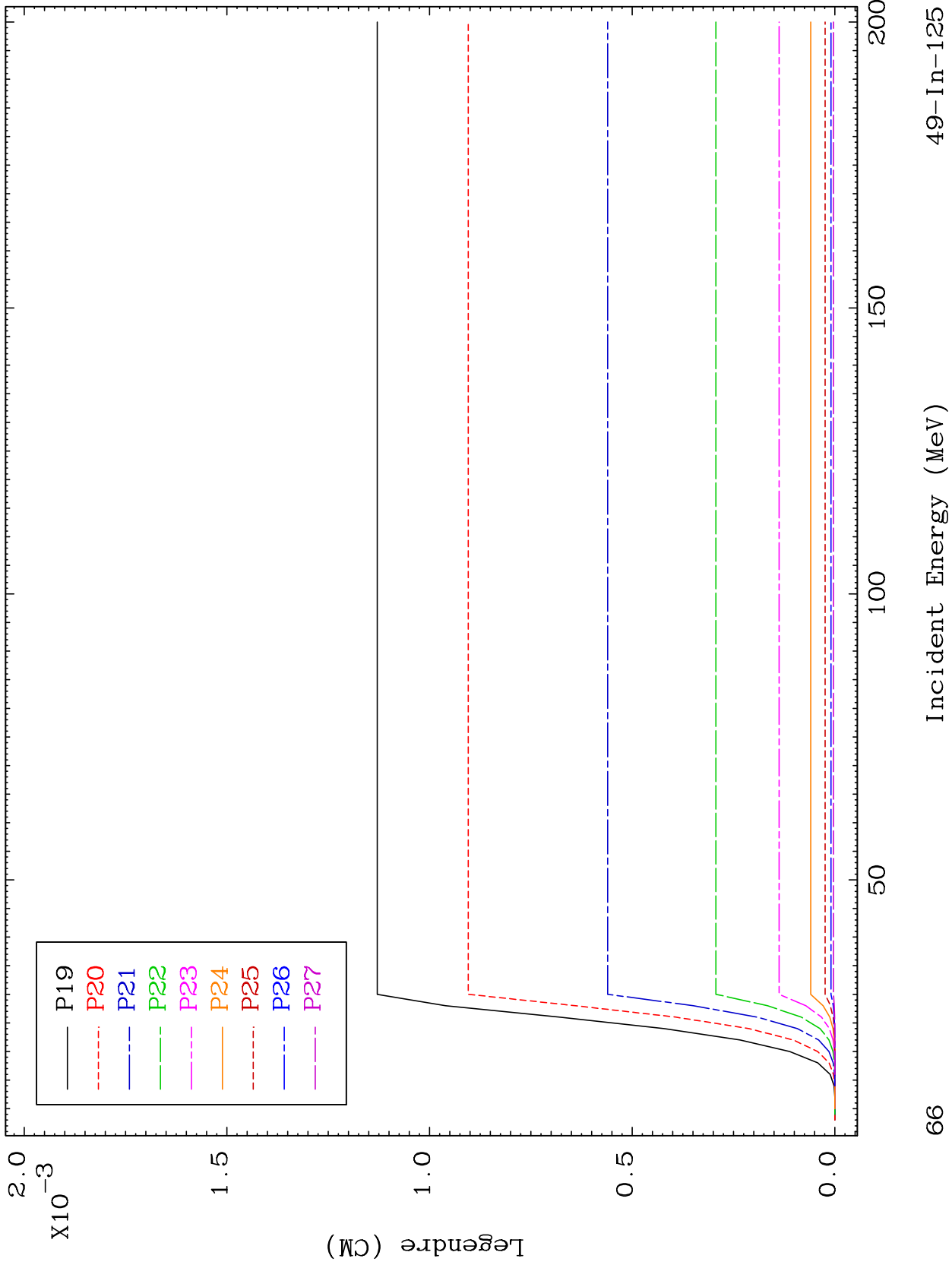
Incident Energy (MeV)

49-In-125

MAT 4961

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

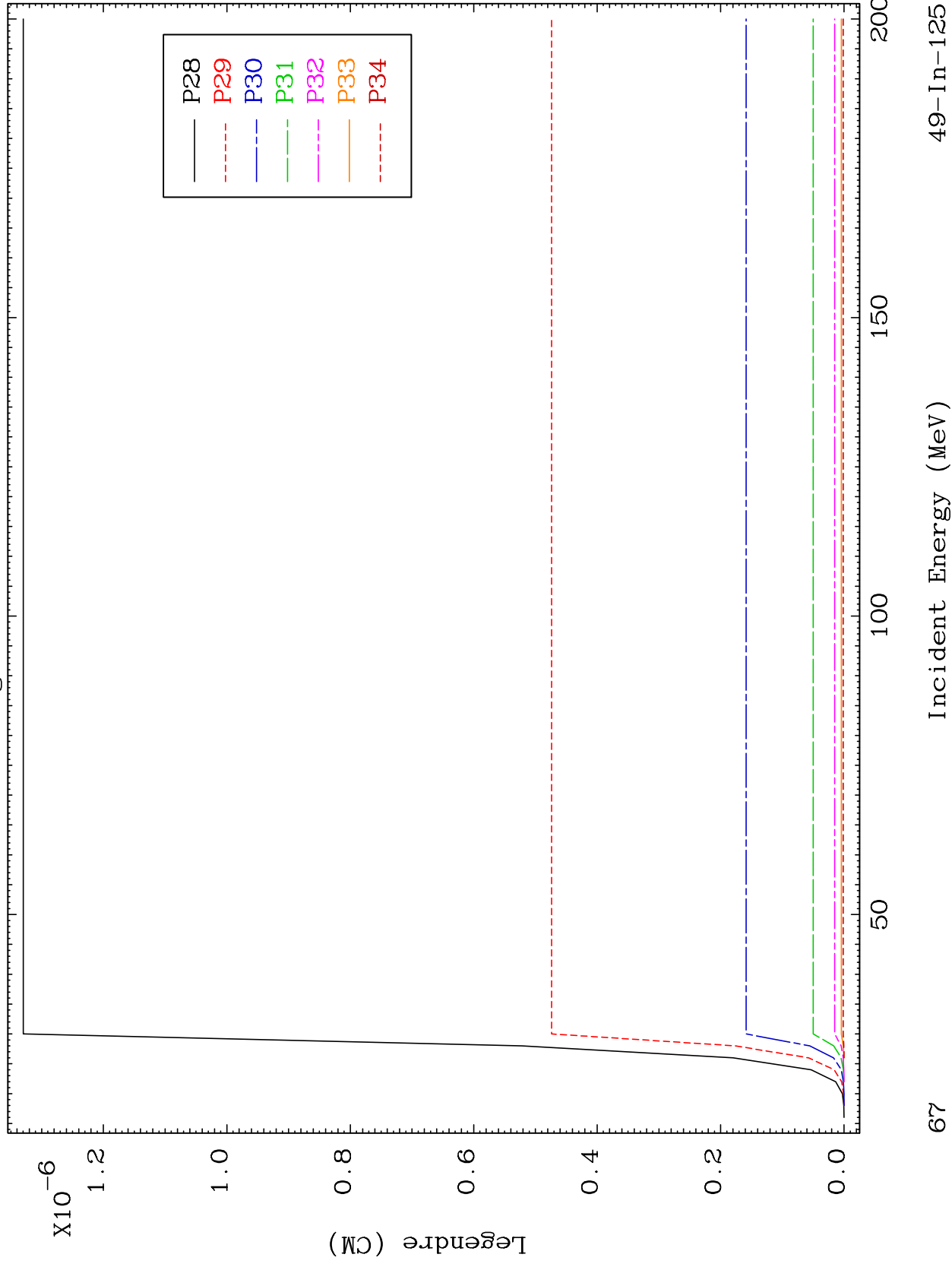
49-In-125

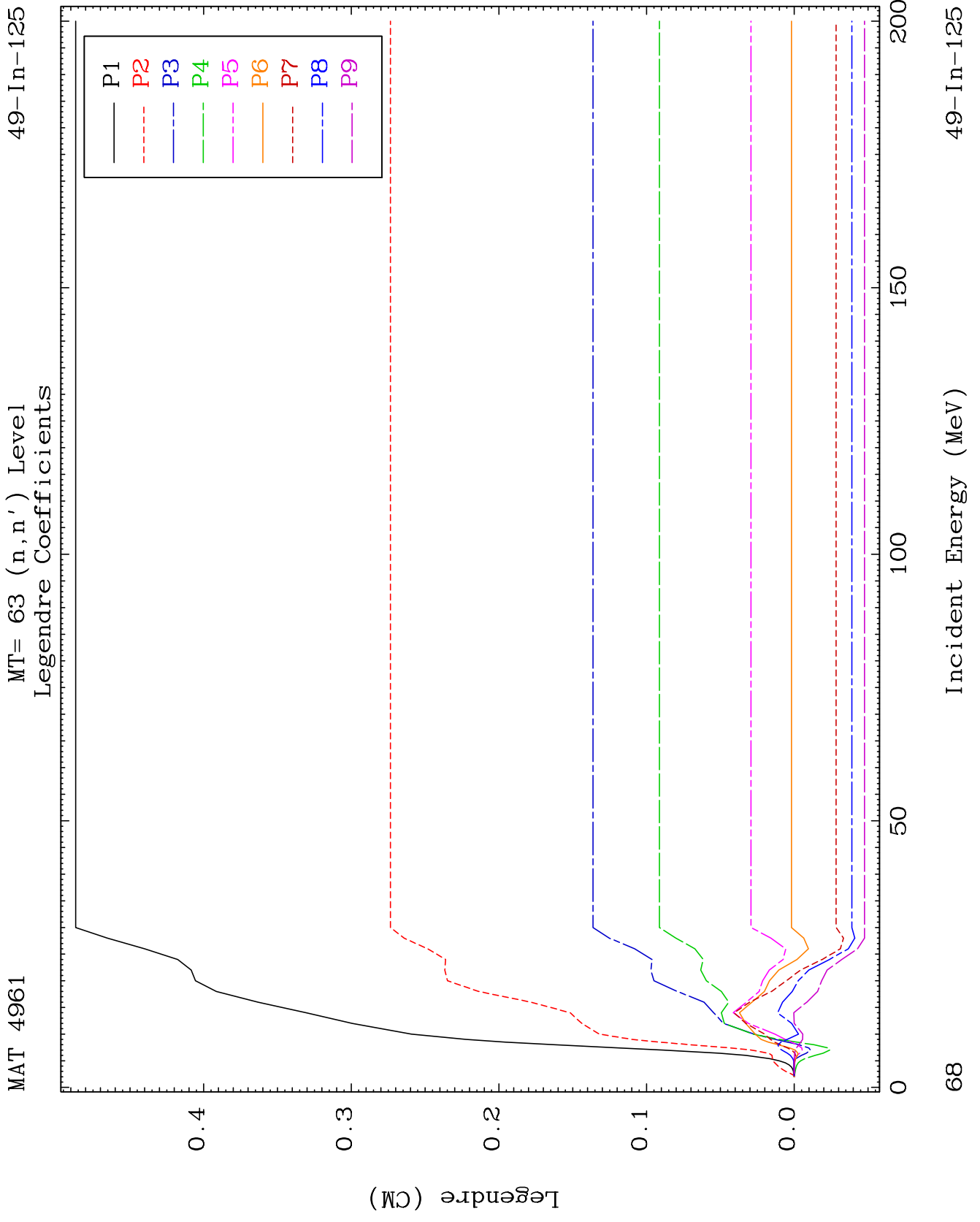


MAT 4961

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

49-In-125

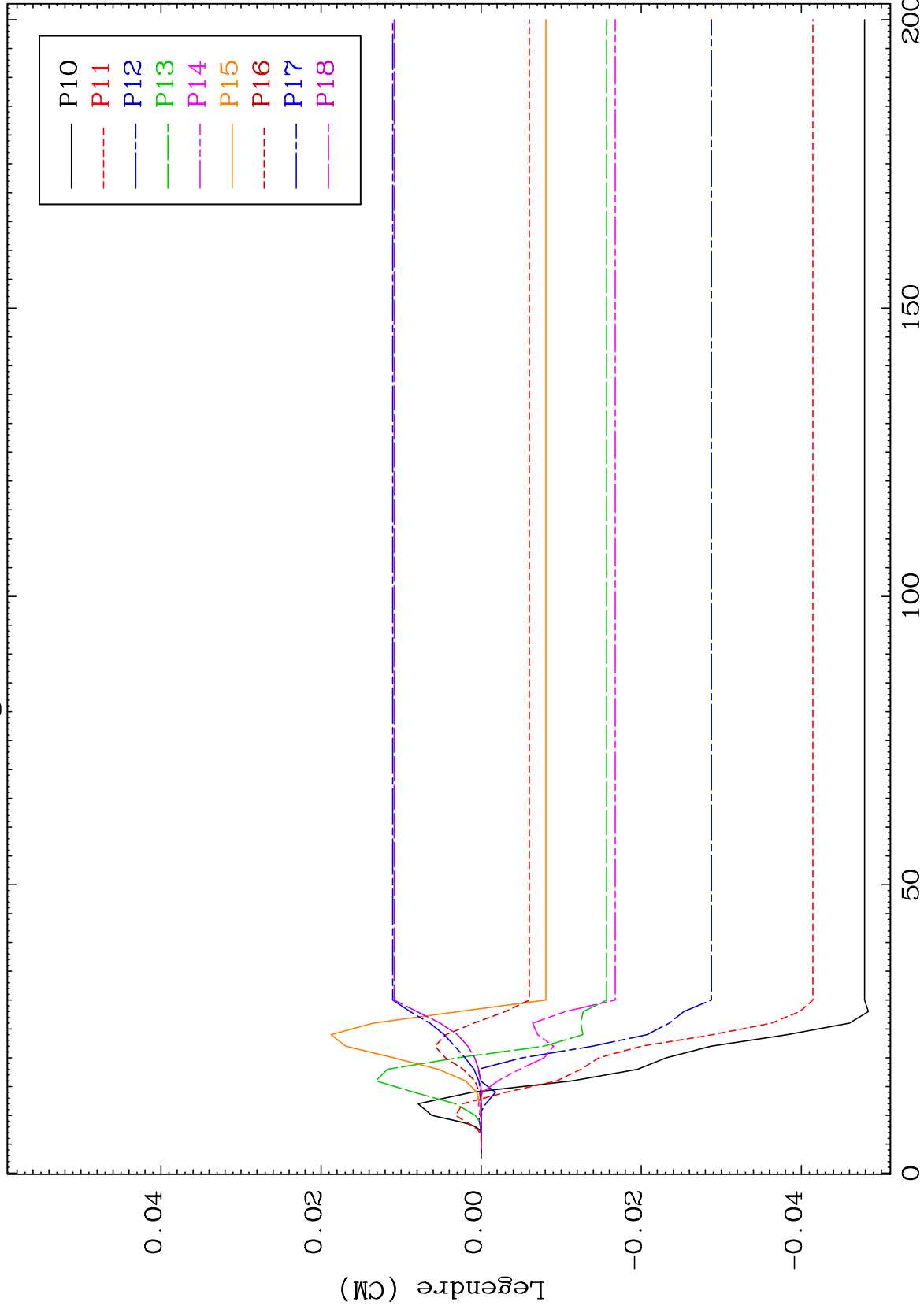




MAT 4961

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

49-In-125



69

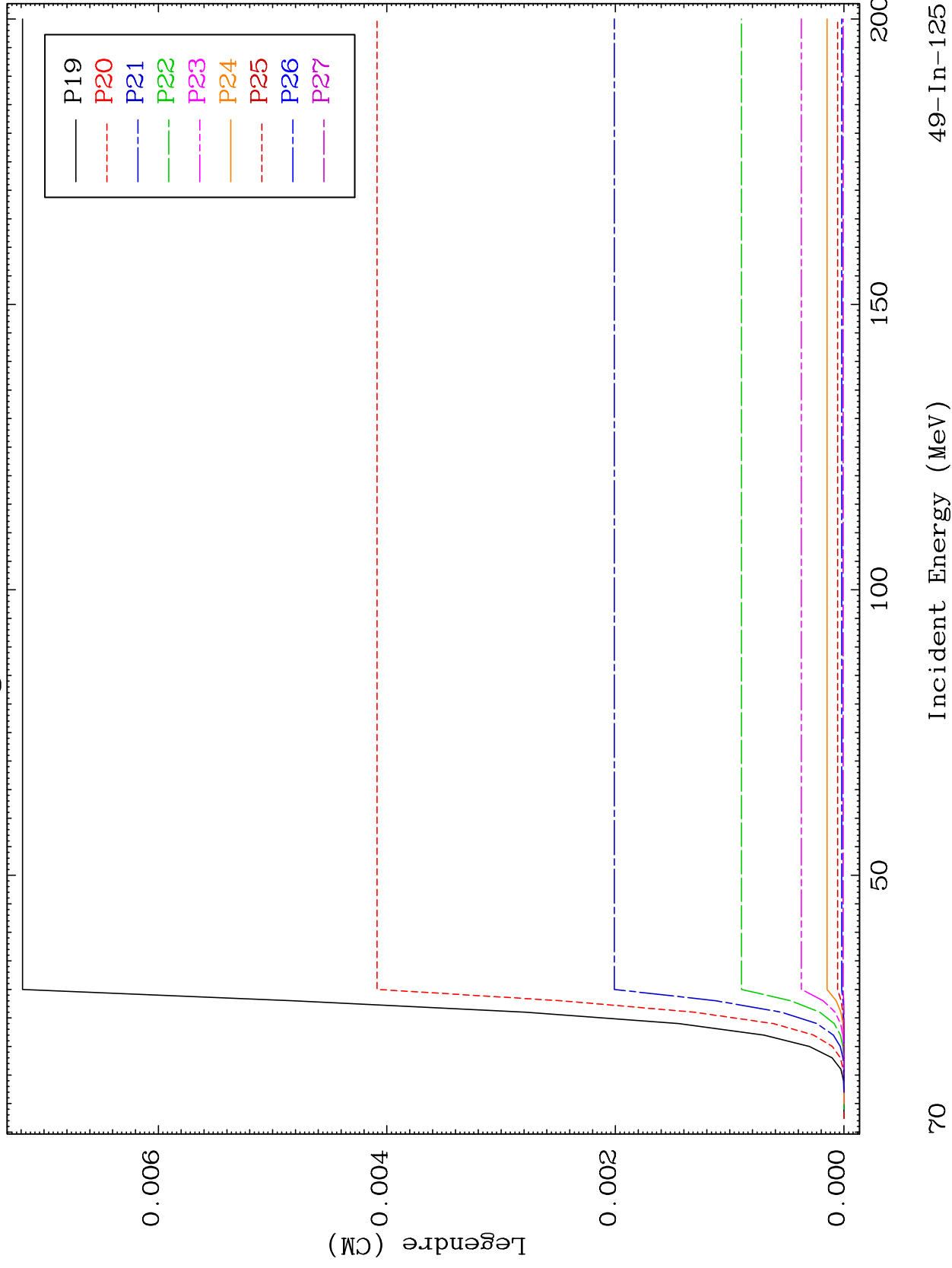
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



70

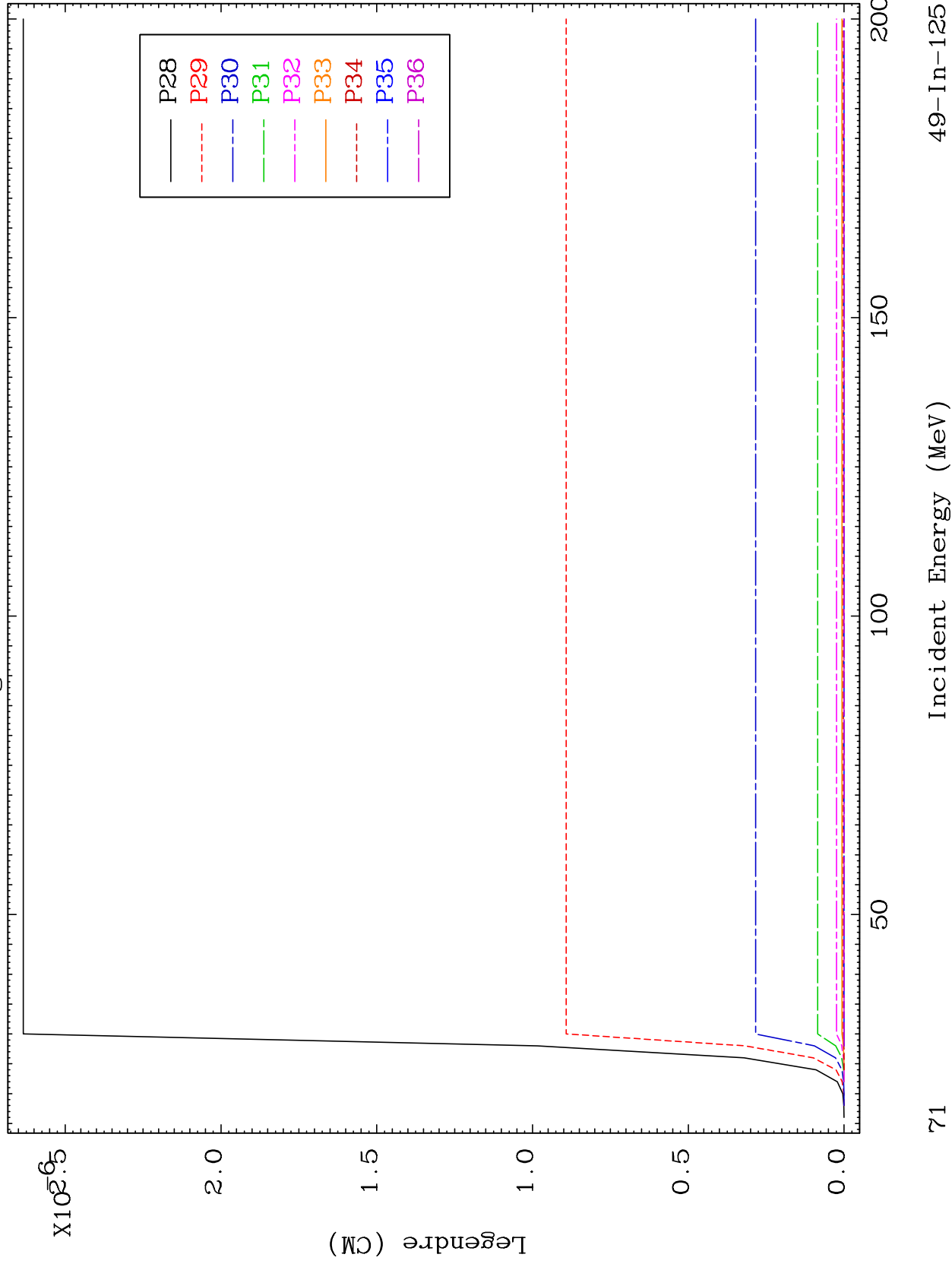
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



71

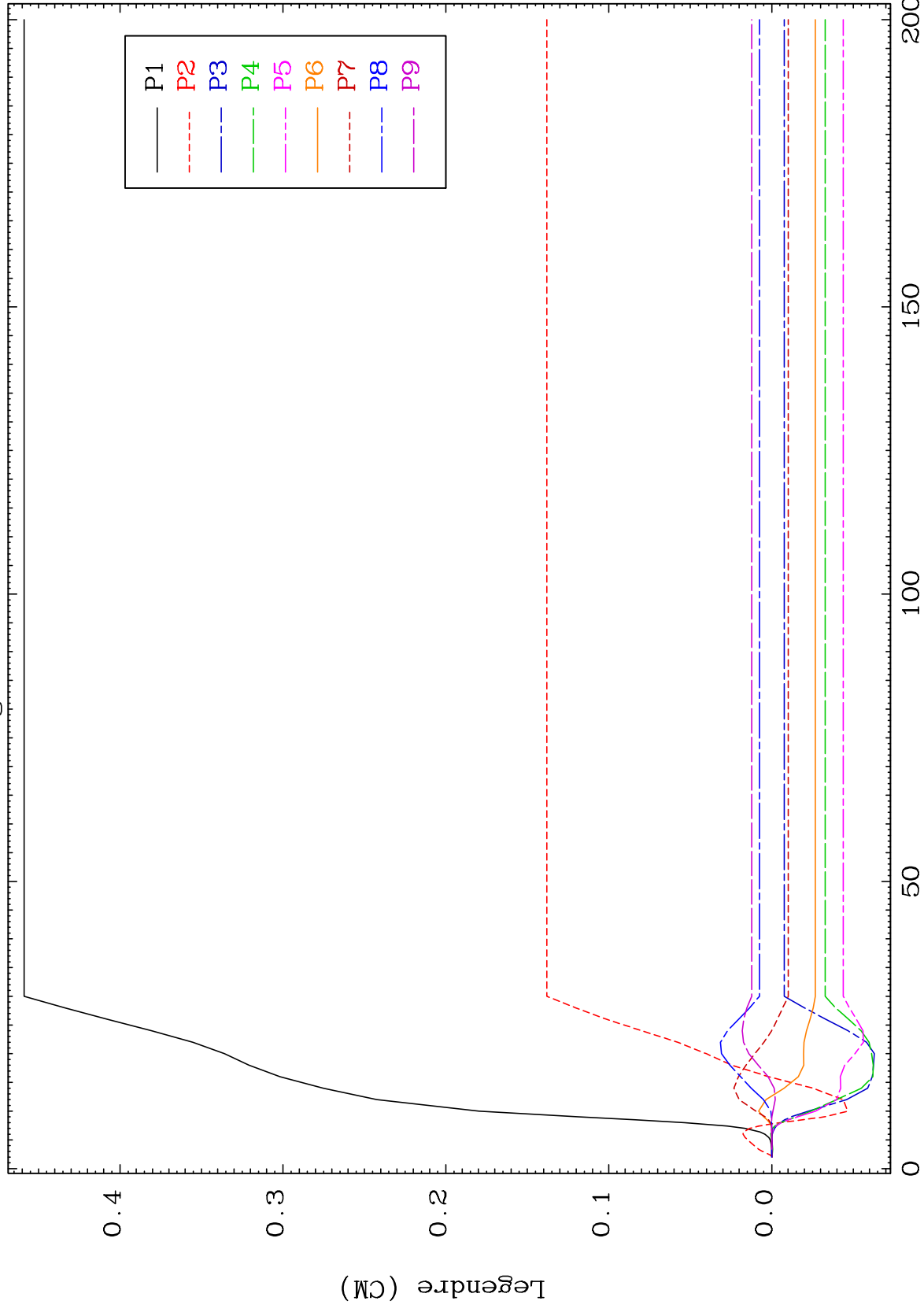
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



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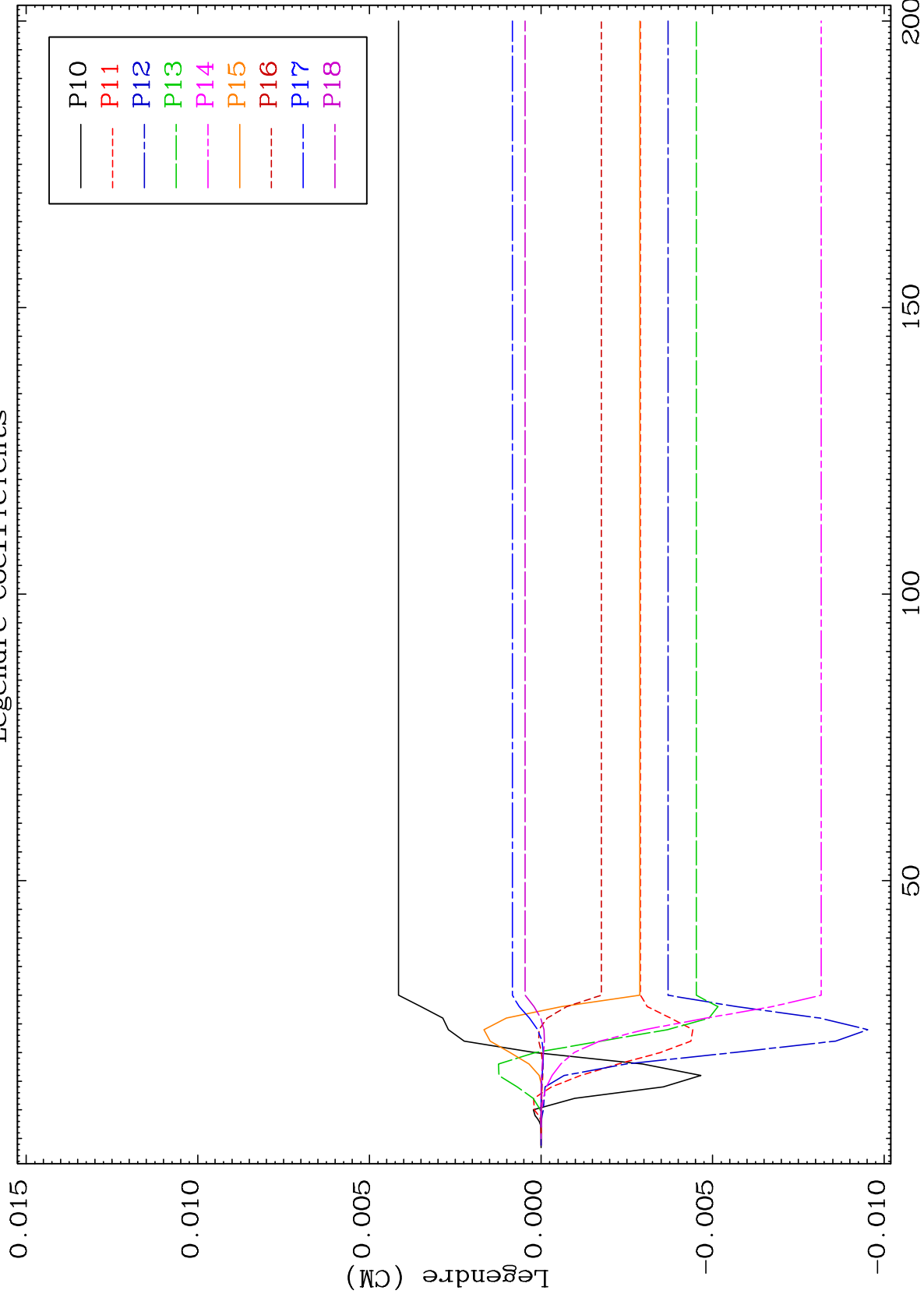
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



73

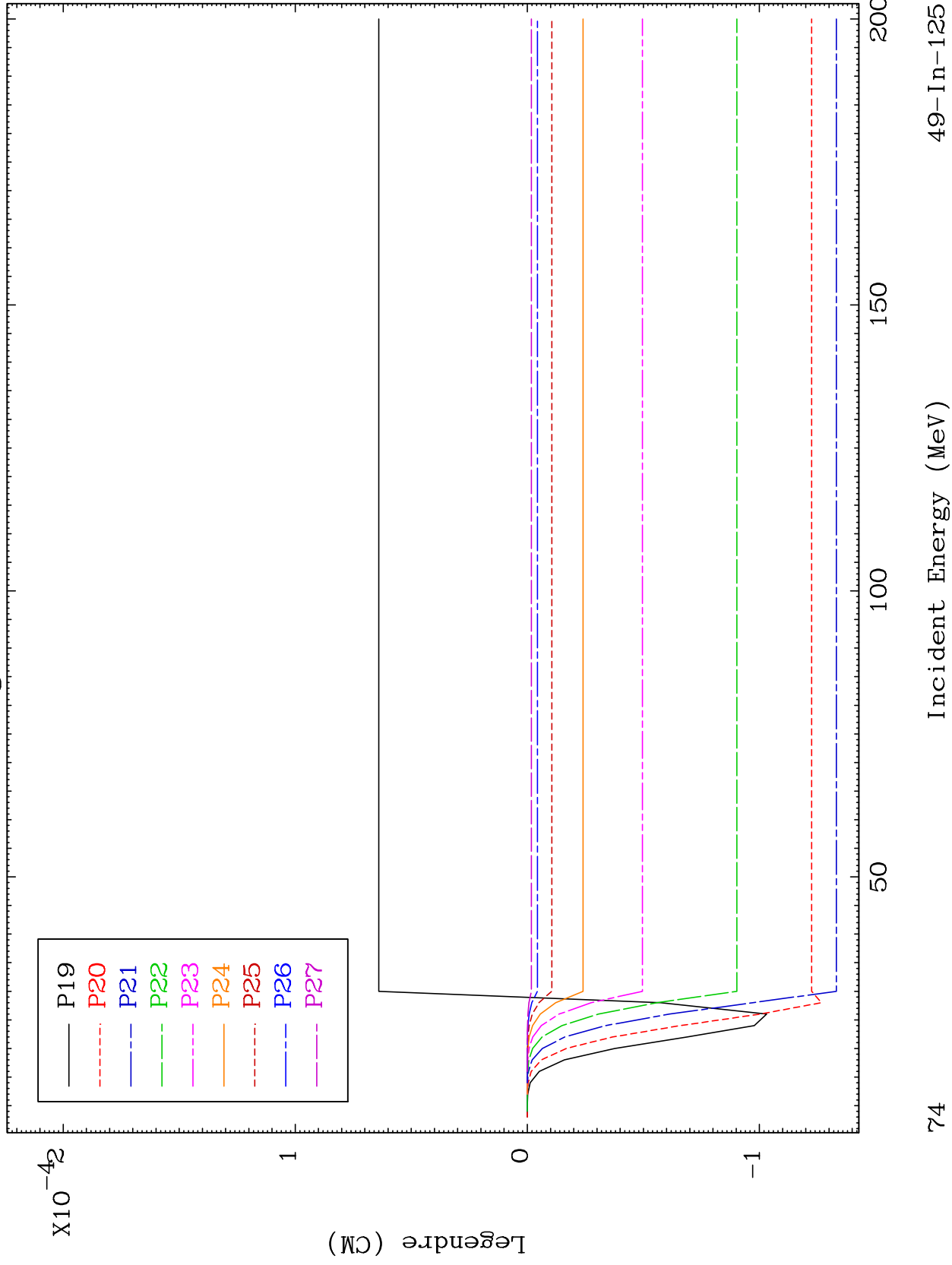
Incident Energy (MeV)

49-In-125

MAT 4961

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

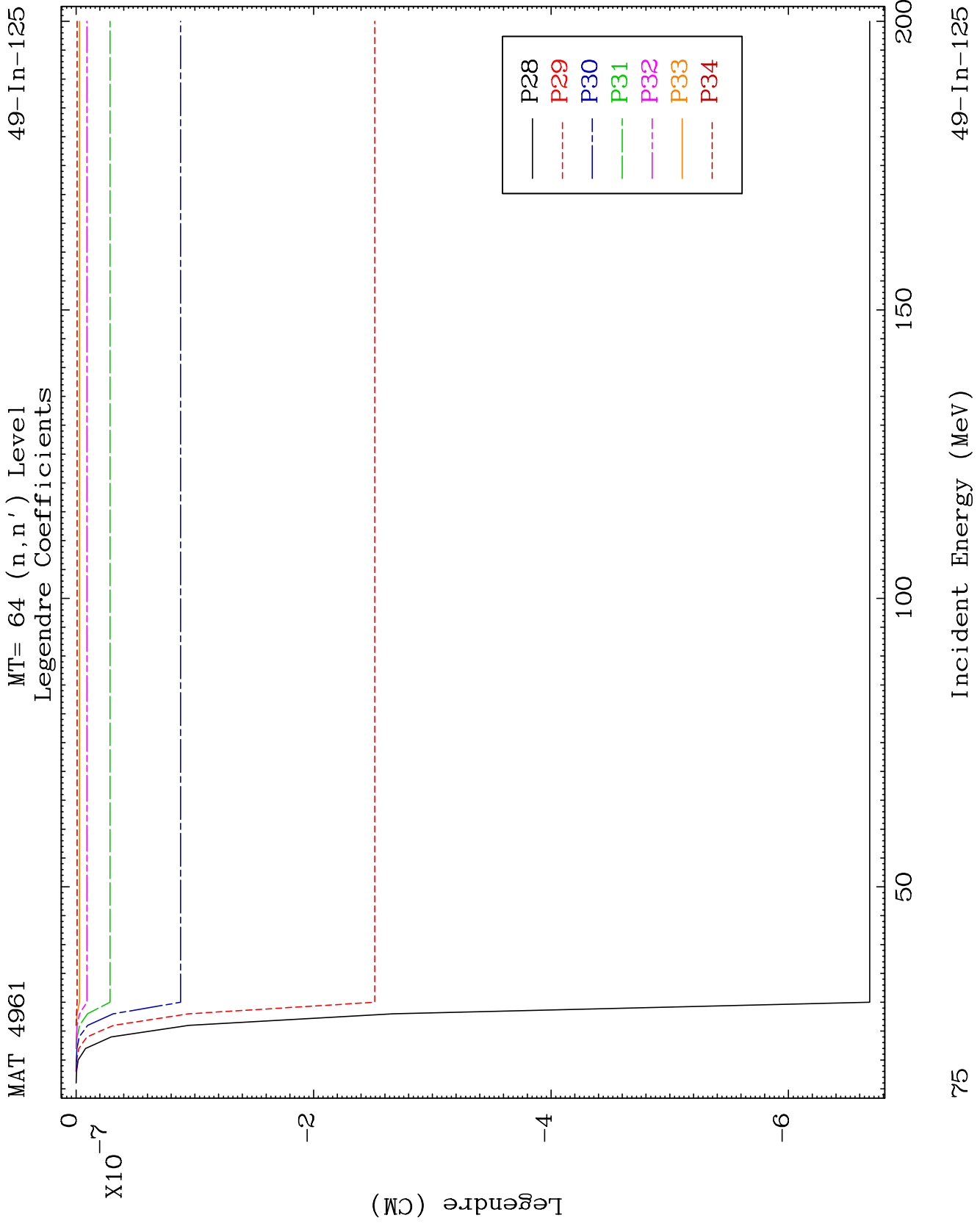
49-In-125



74

Incident Energy (MeV)

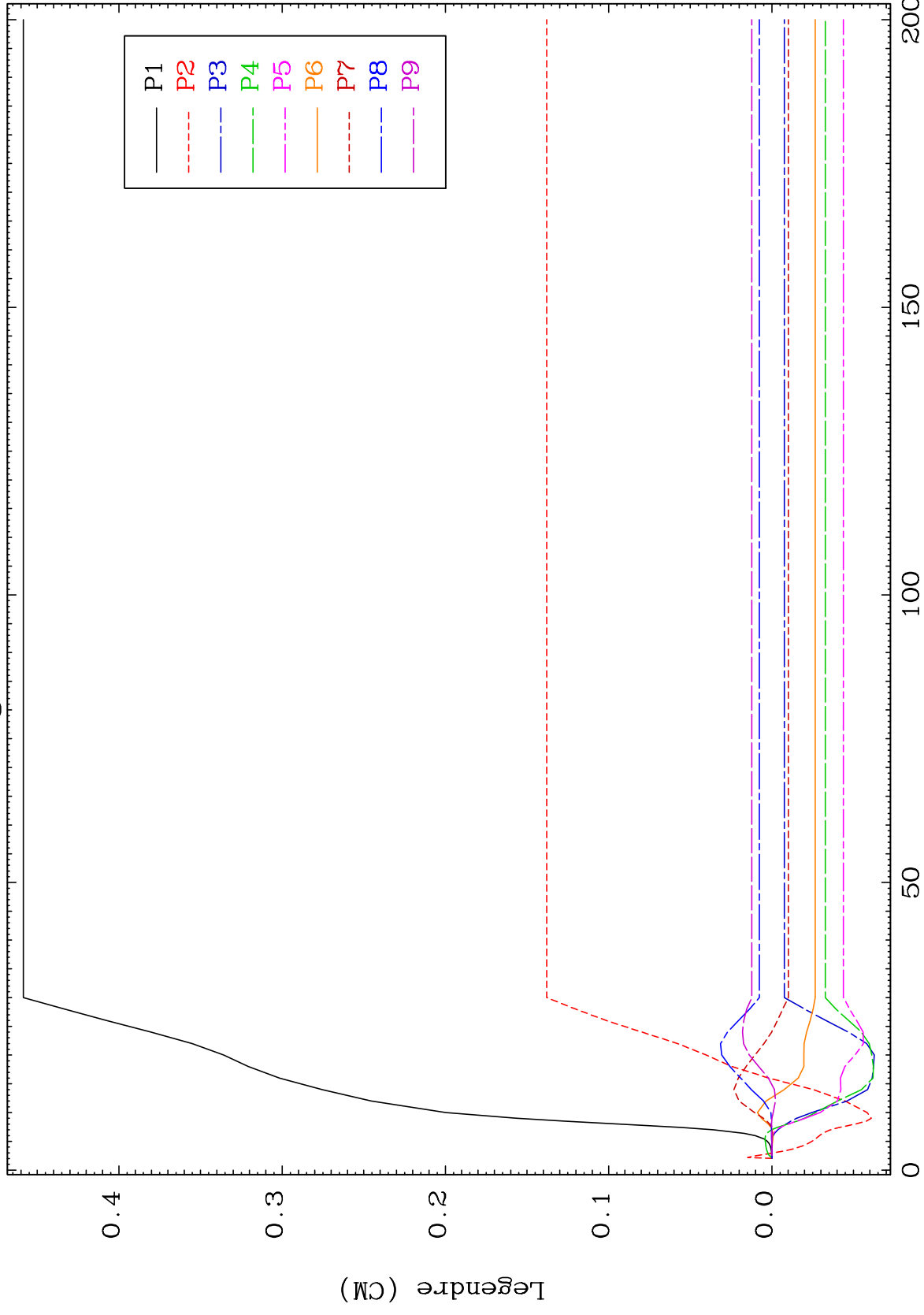
49-In-125



MAT 4961

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

49-In-125



76

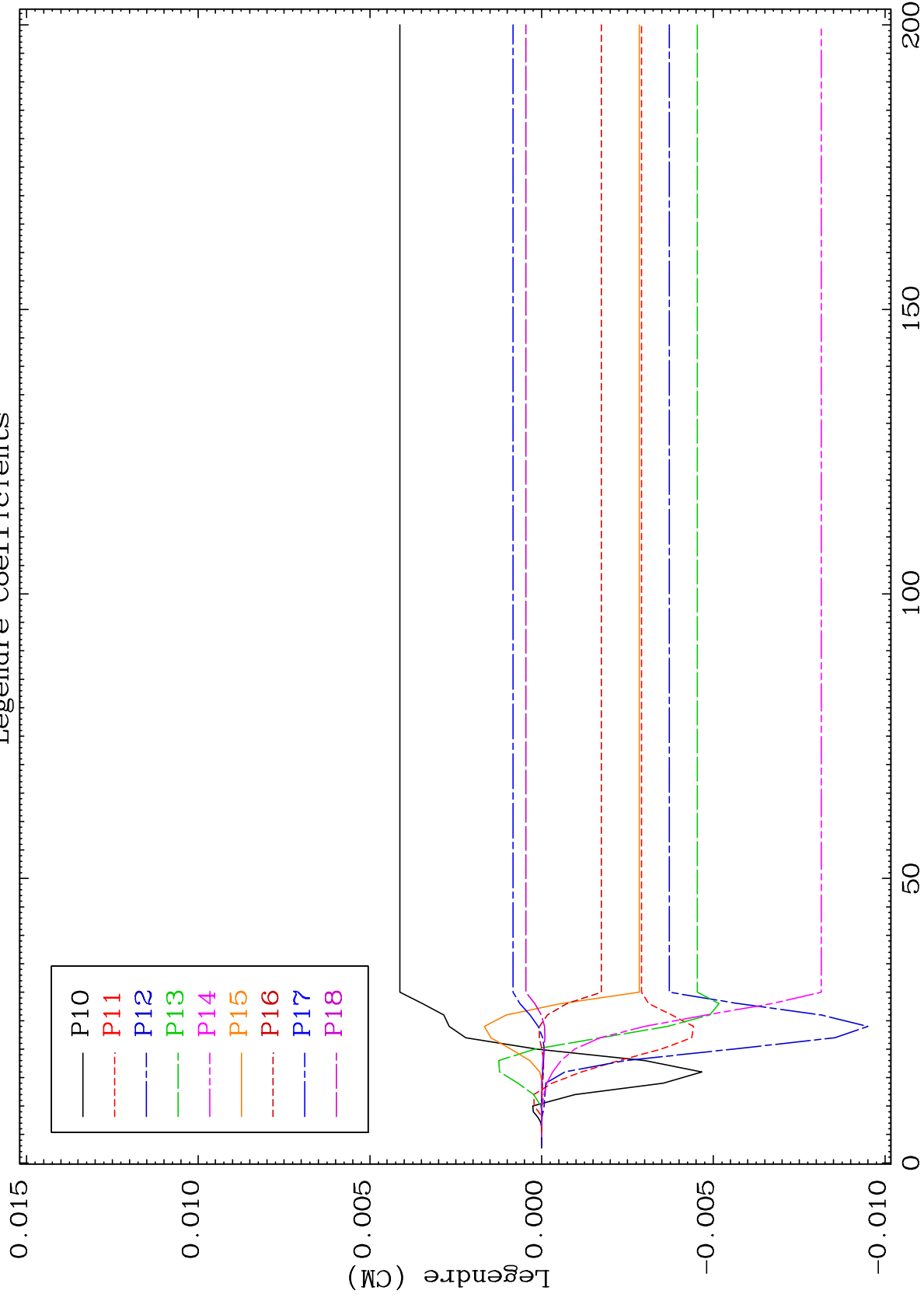
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



77

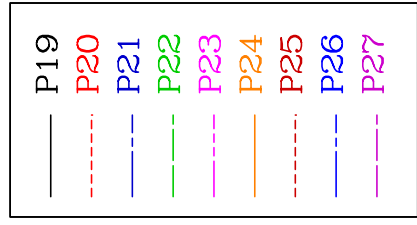
Incident Energy (MeV)

49-In-125

MAT 4961

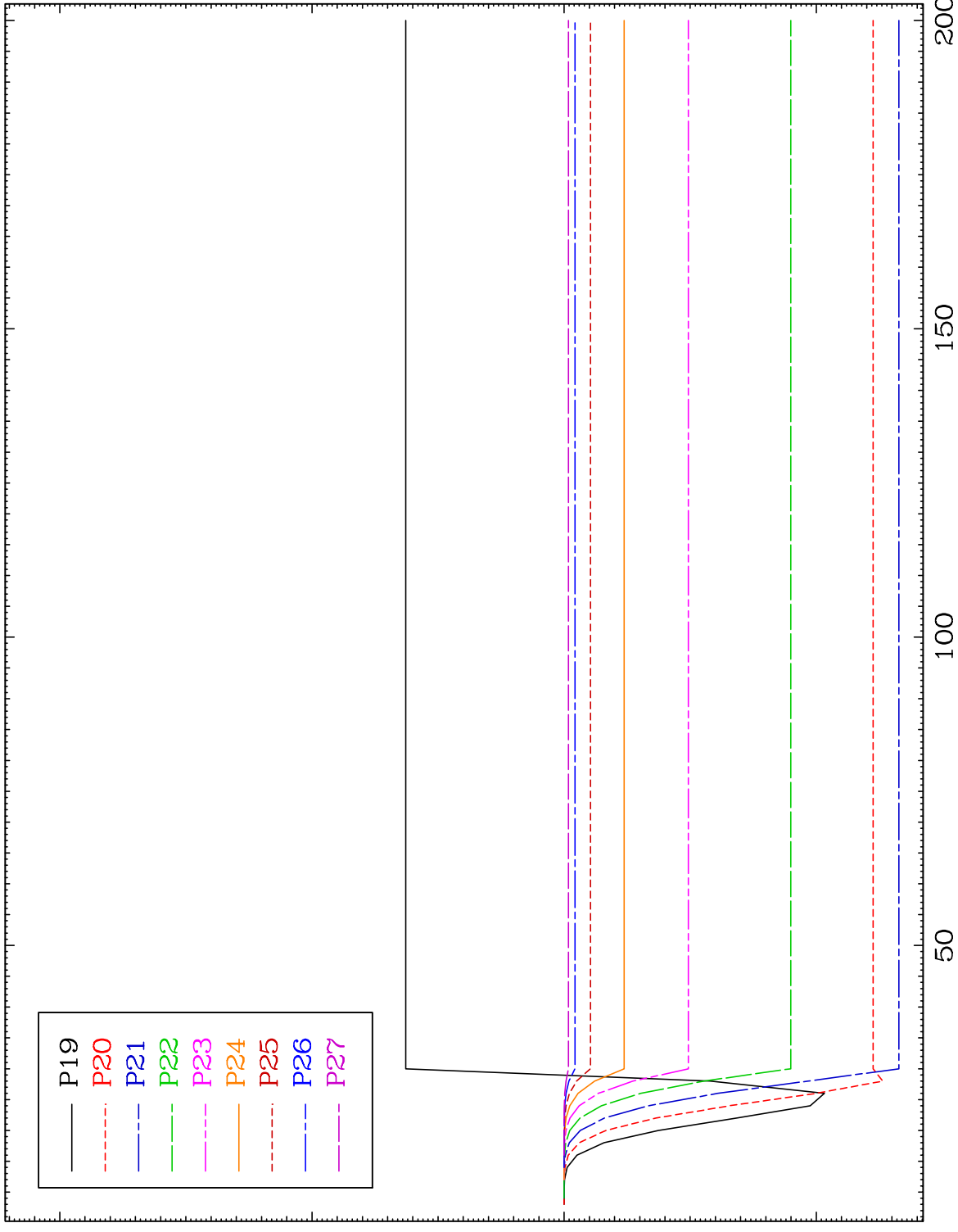
MT= 65 (n,n') Level
Legendre Coefficients

49-In-125



$\times 10^{-42}$

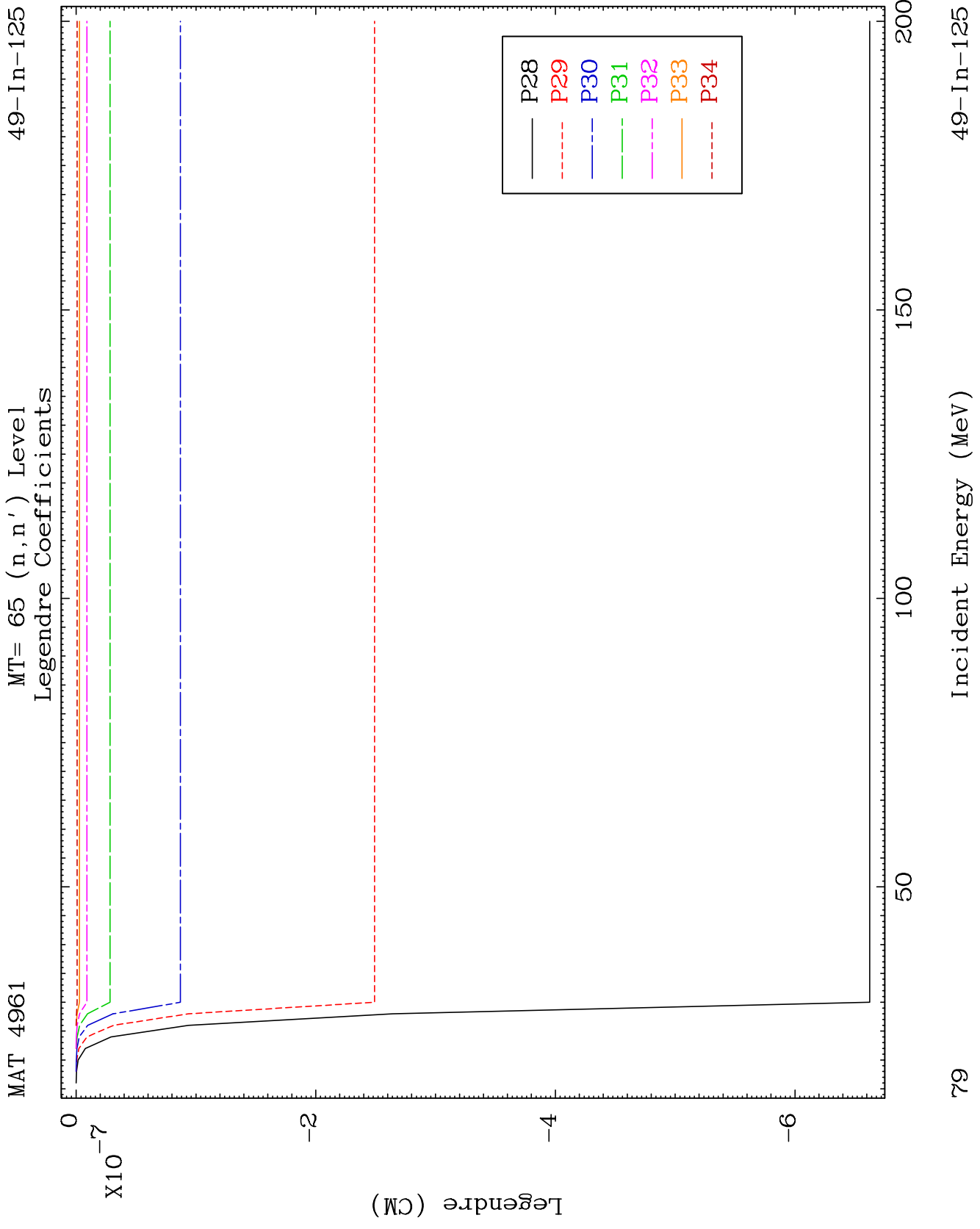
Legendre (CM)



78

Incident Energy (MeV)

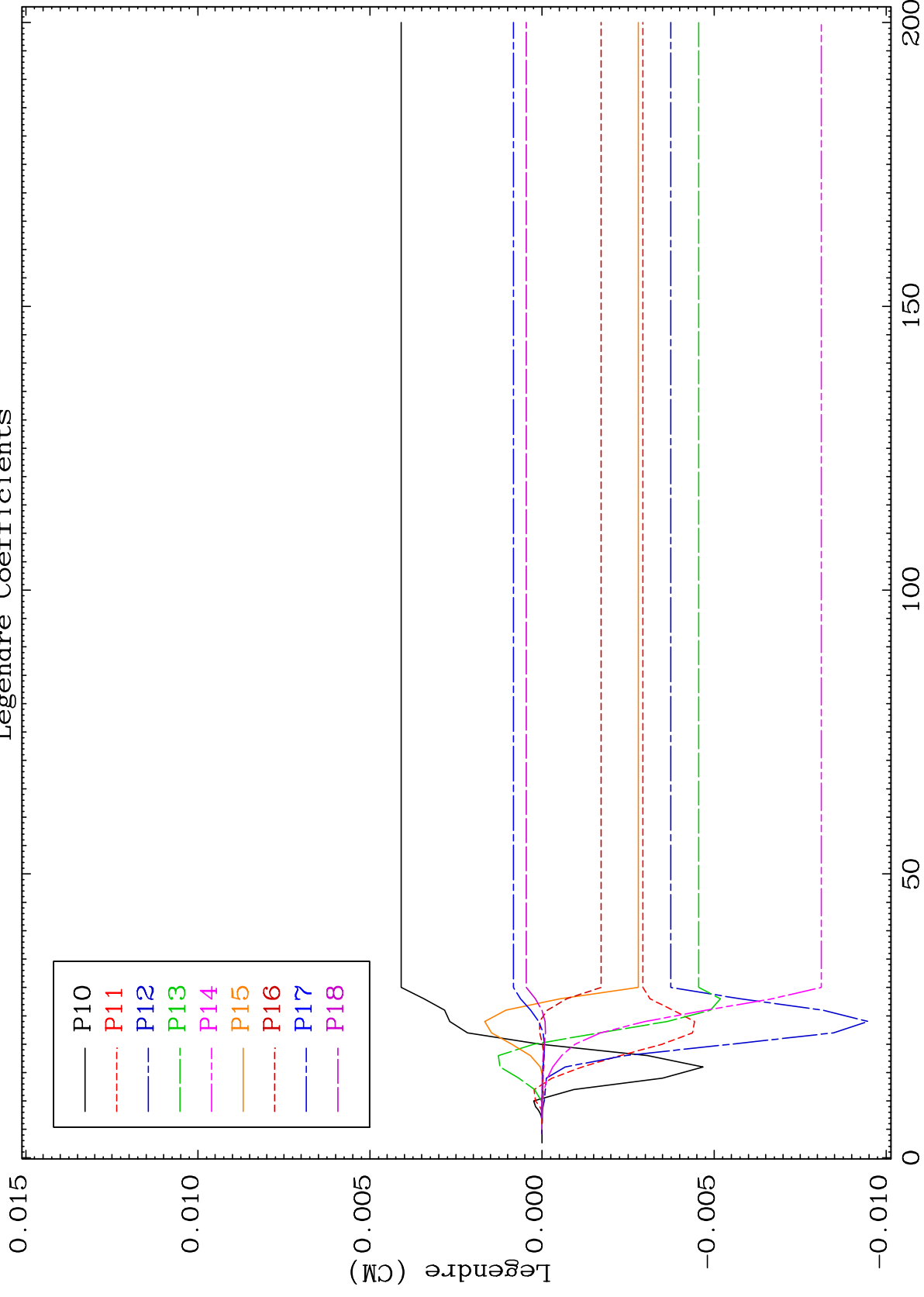
49-In-125



MAT 4961

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

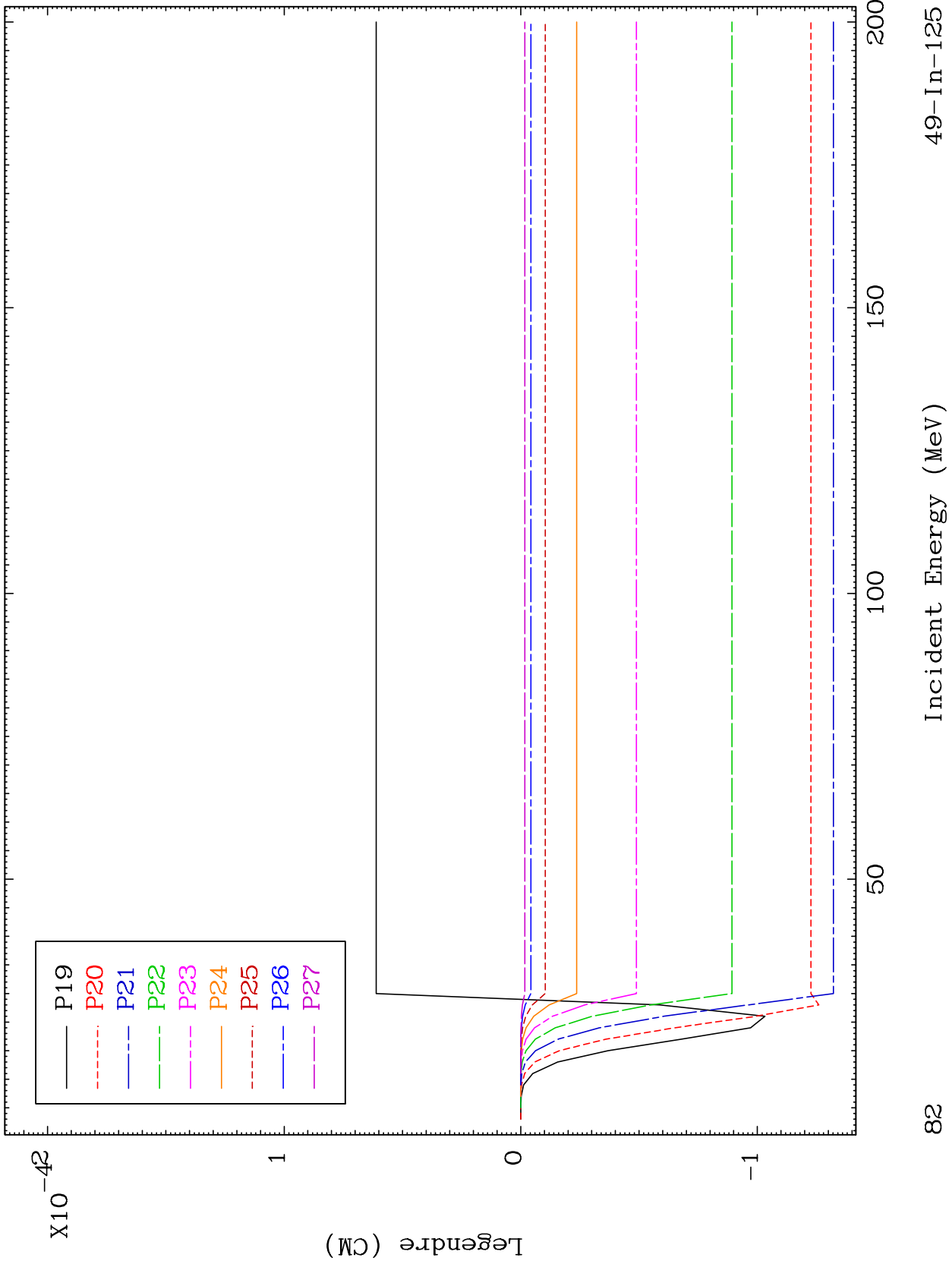
49-In-125

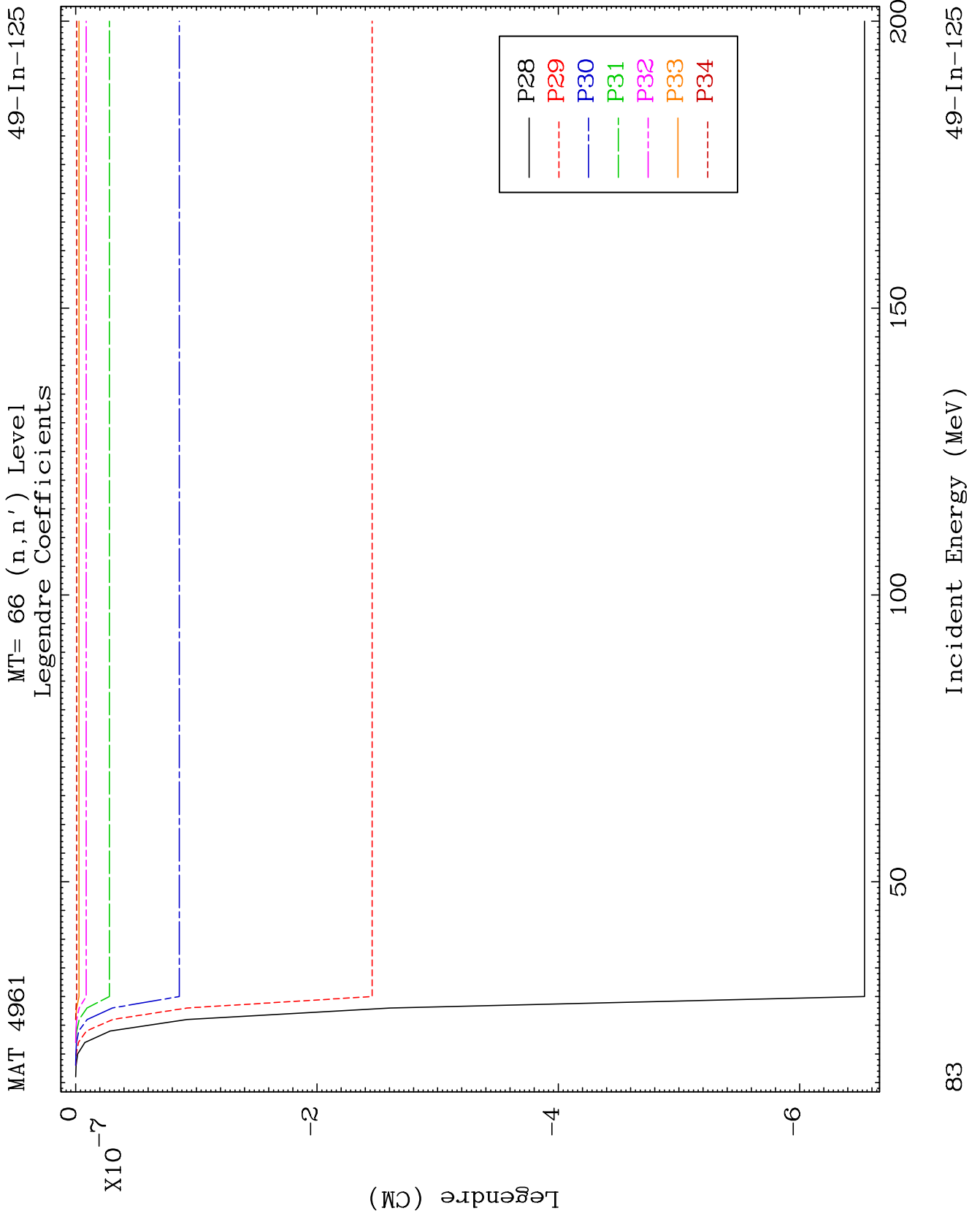


MAT 4961

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

49-In-125

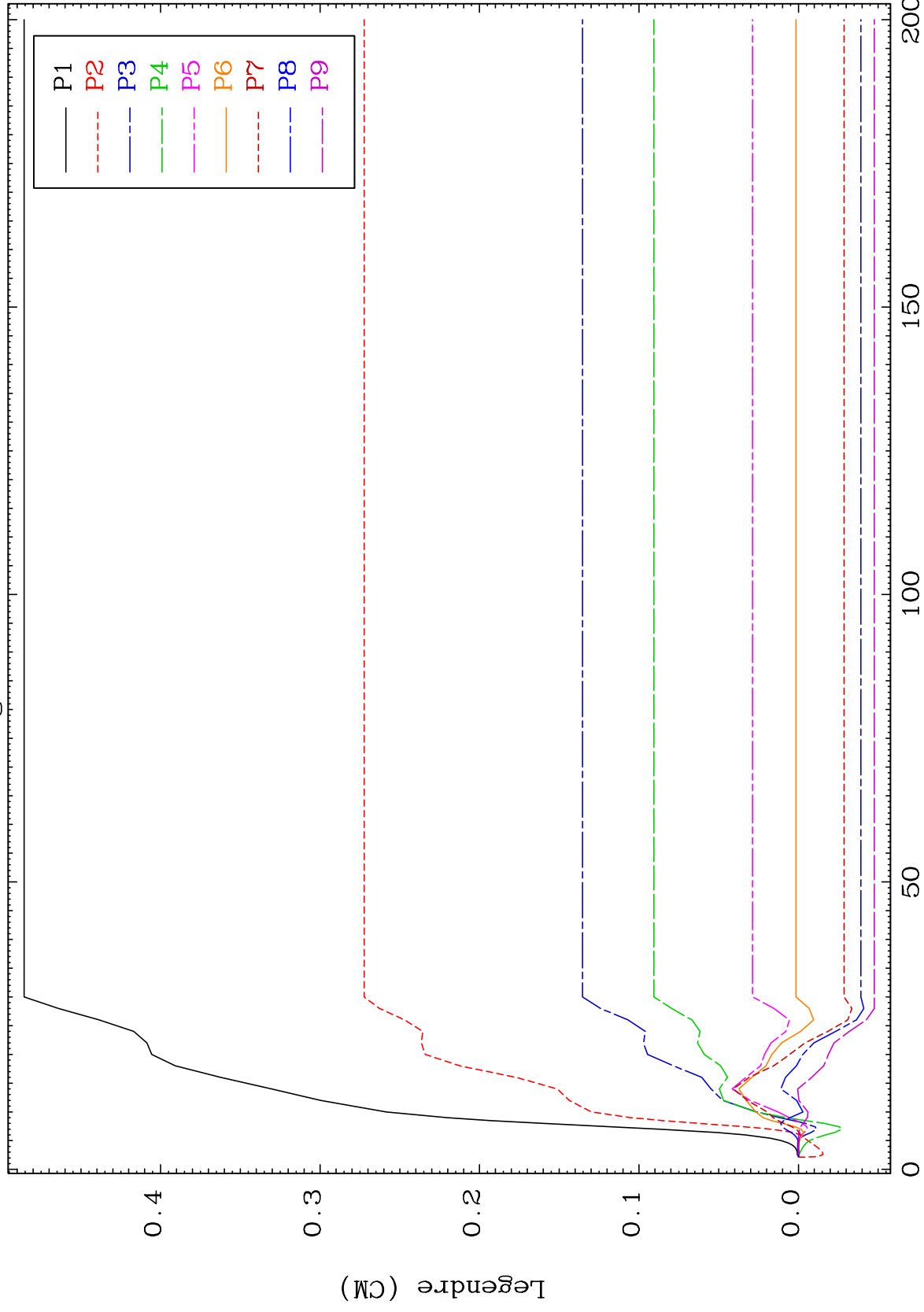




MAT 4961

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

49-In-125



84

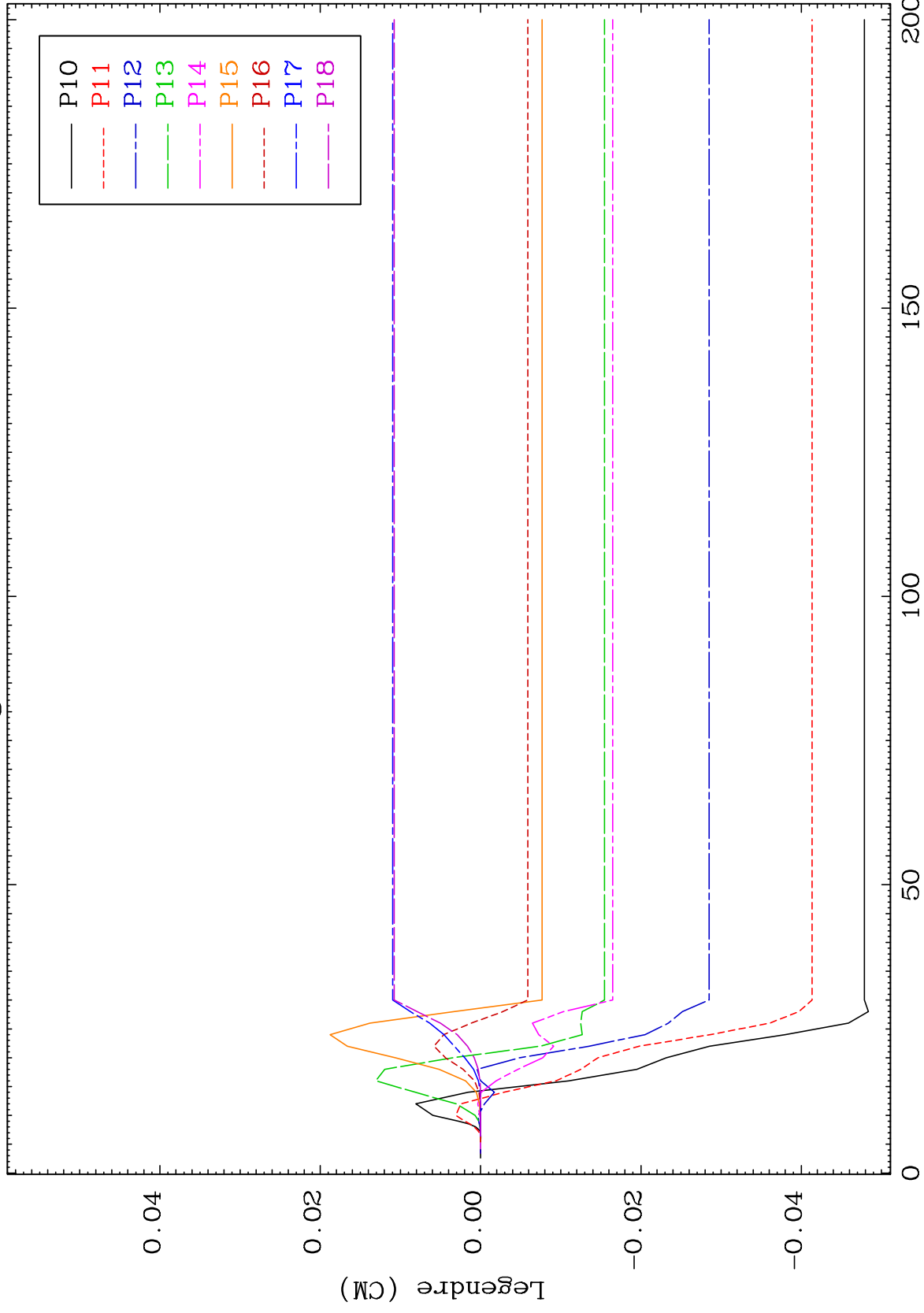
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



85

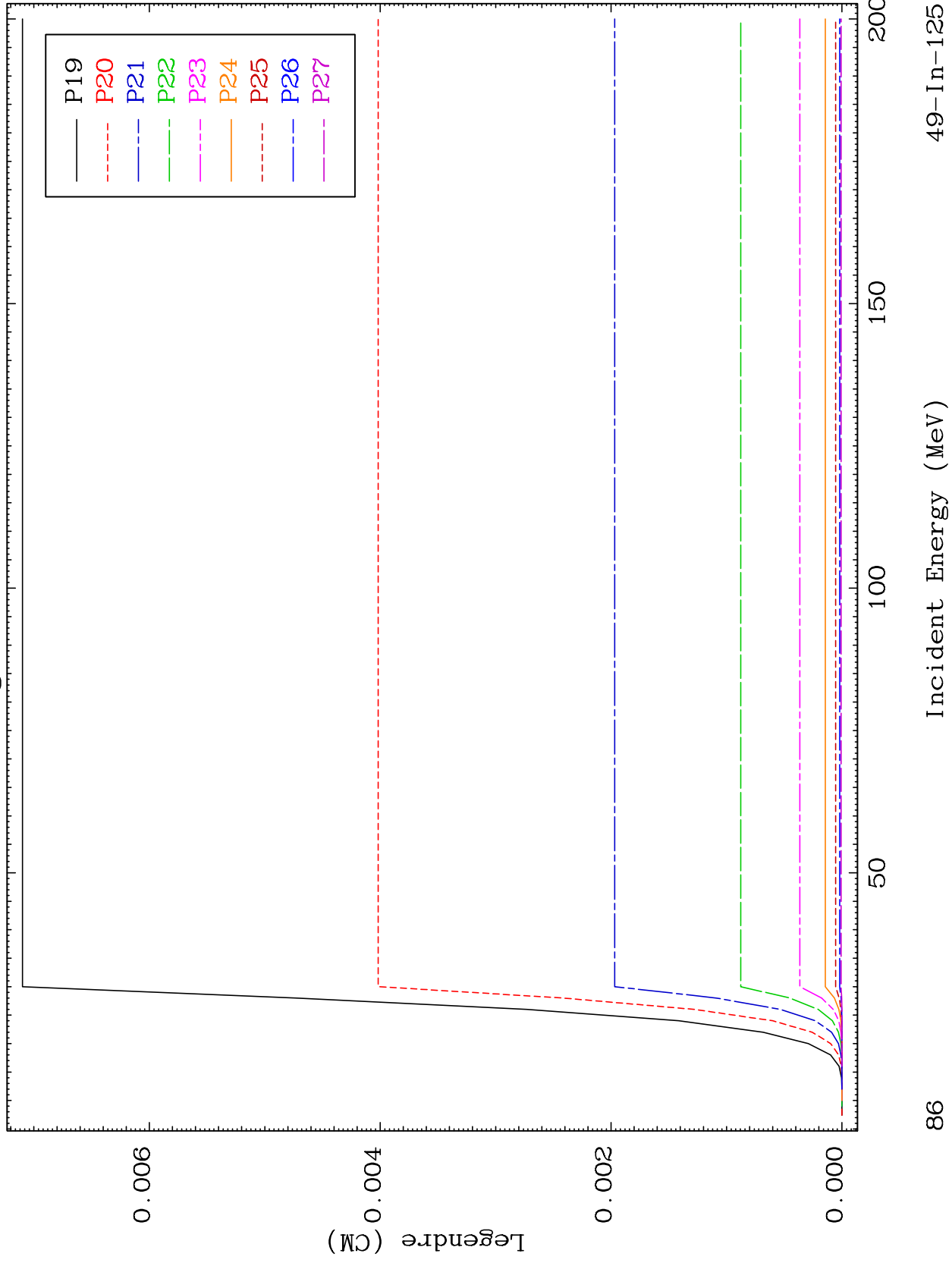
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



86

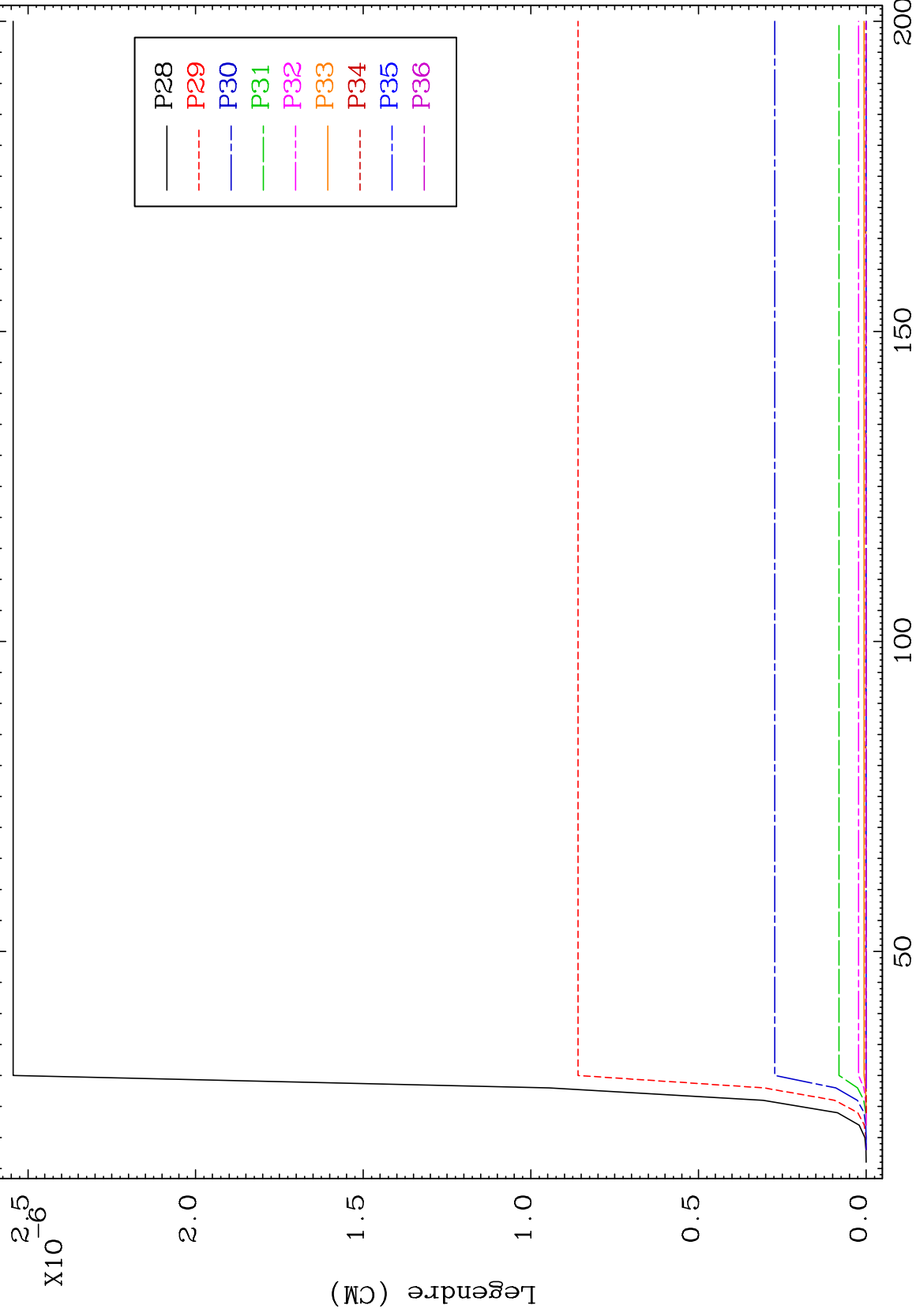
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



87

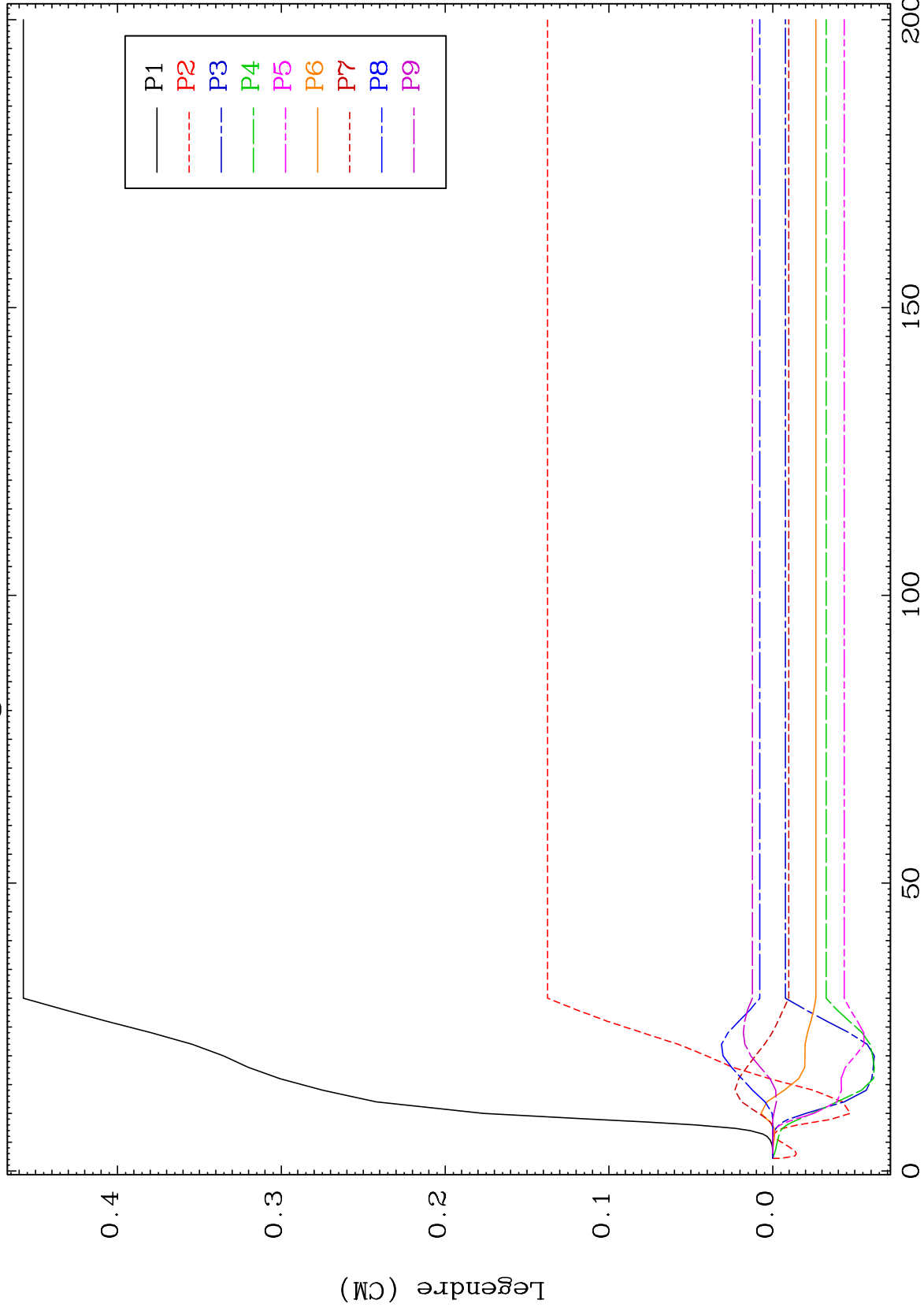
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



88

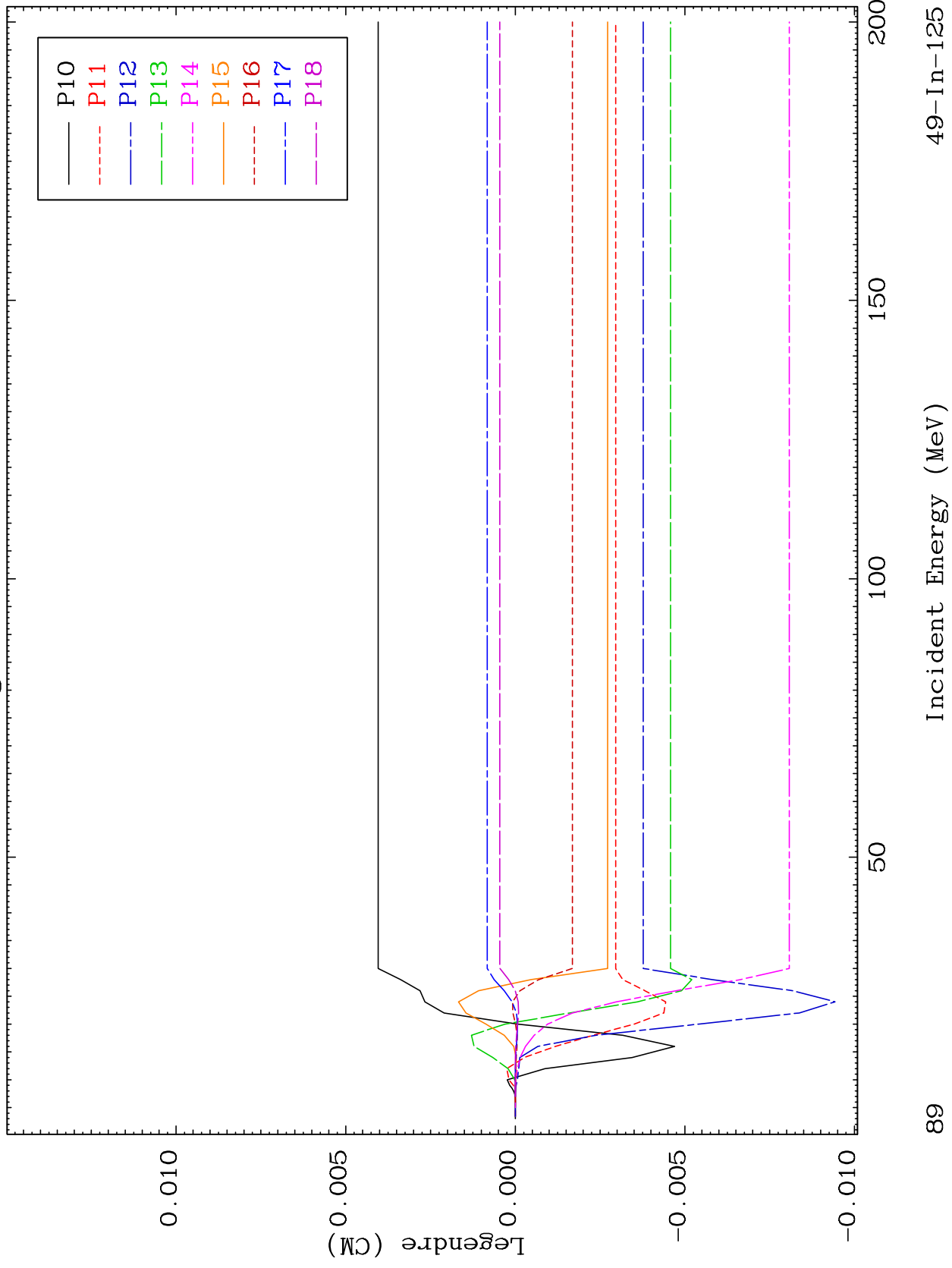
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



89

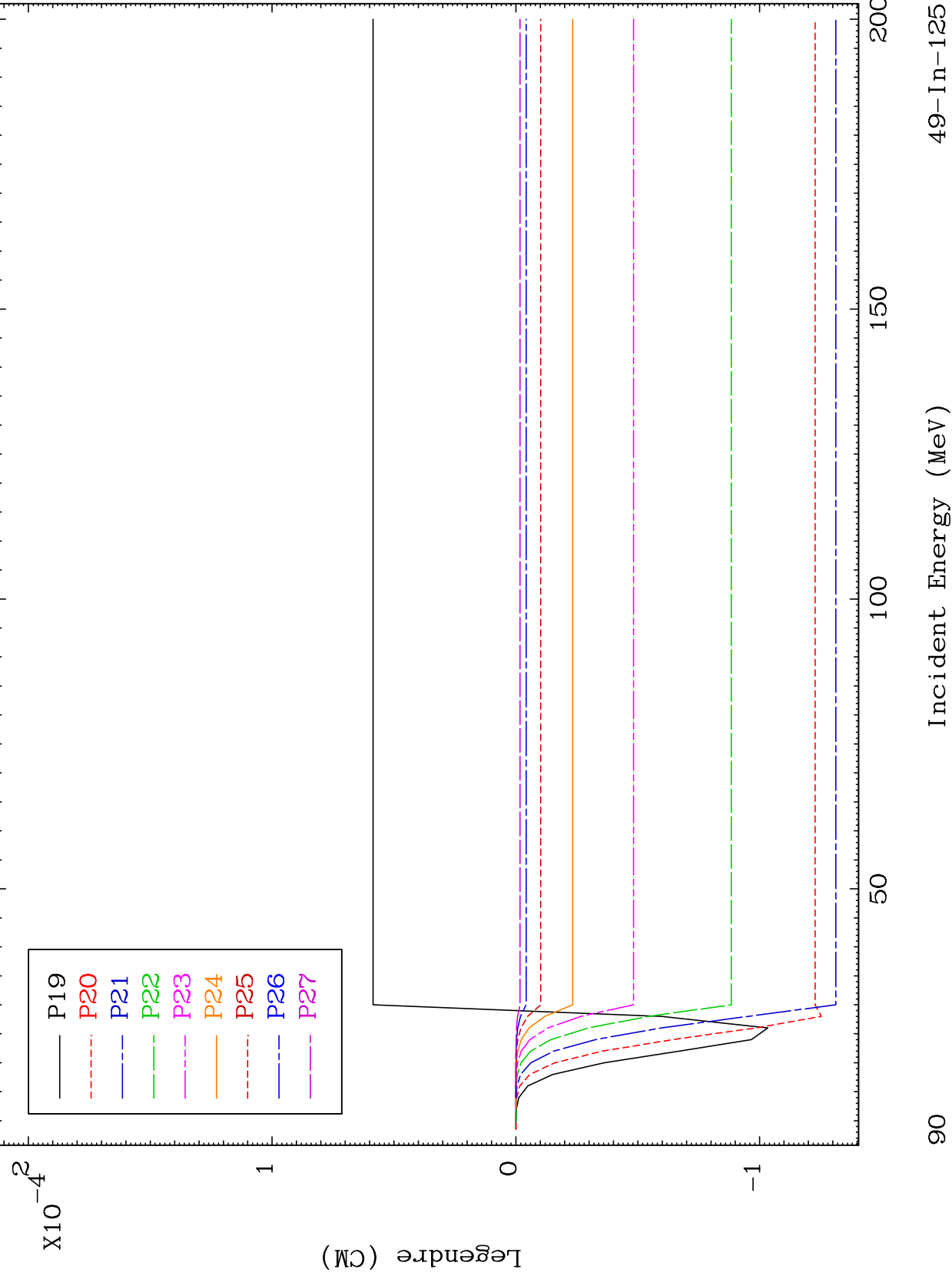
Incident Energy (MeV)

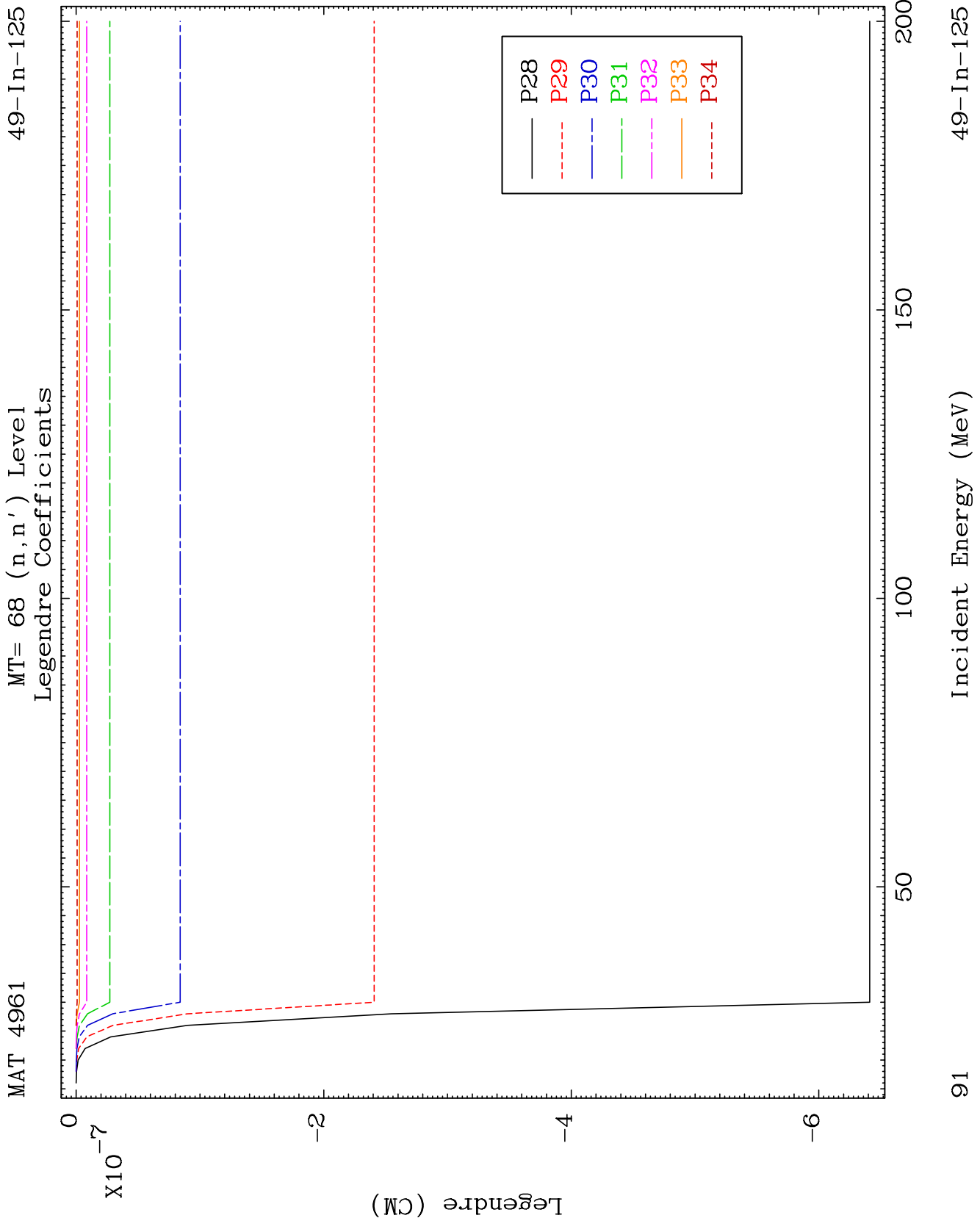
49-In-125

MAT 4961

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

49-In-125

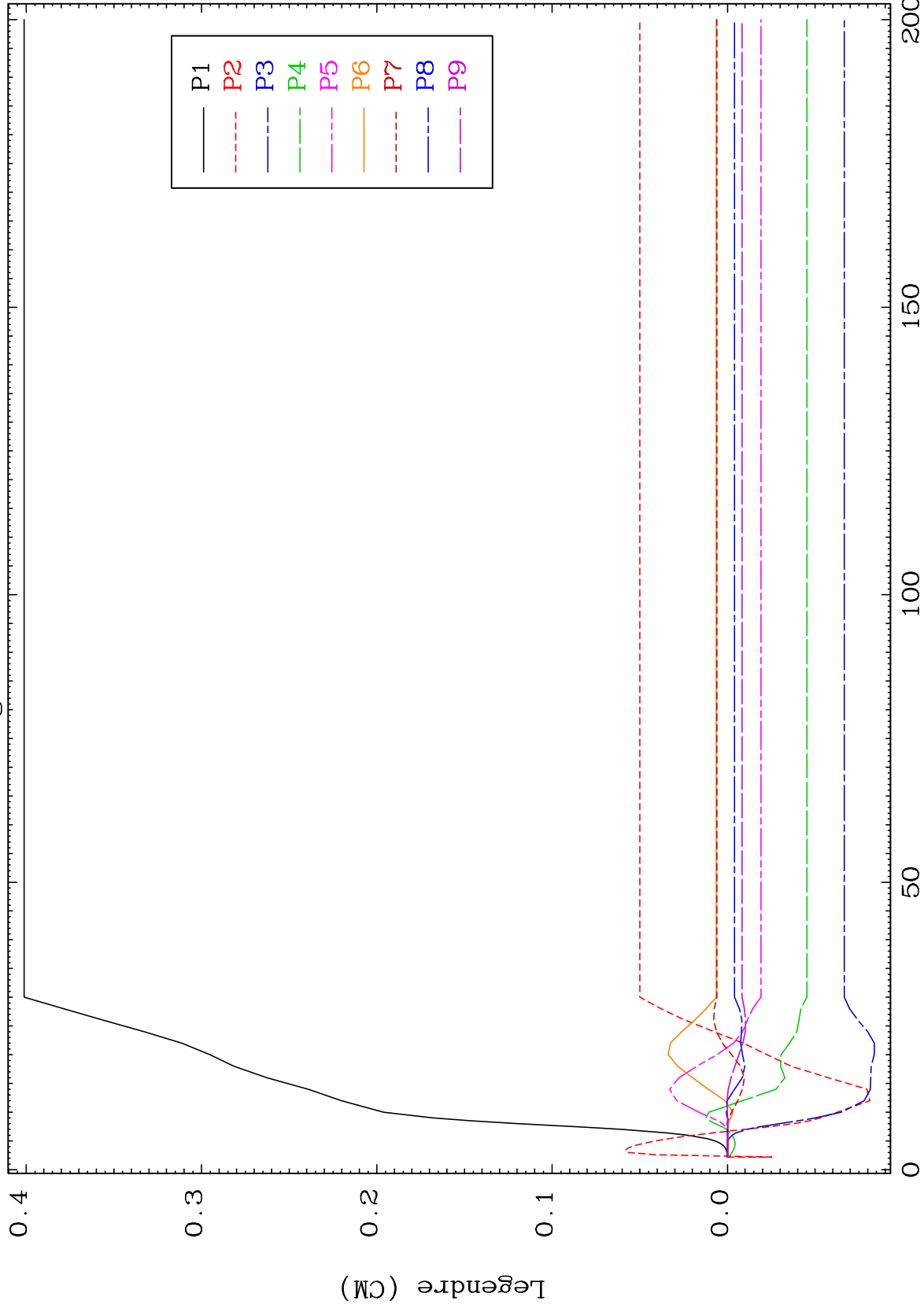




MAT 4961

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

49-In-125



92

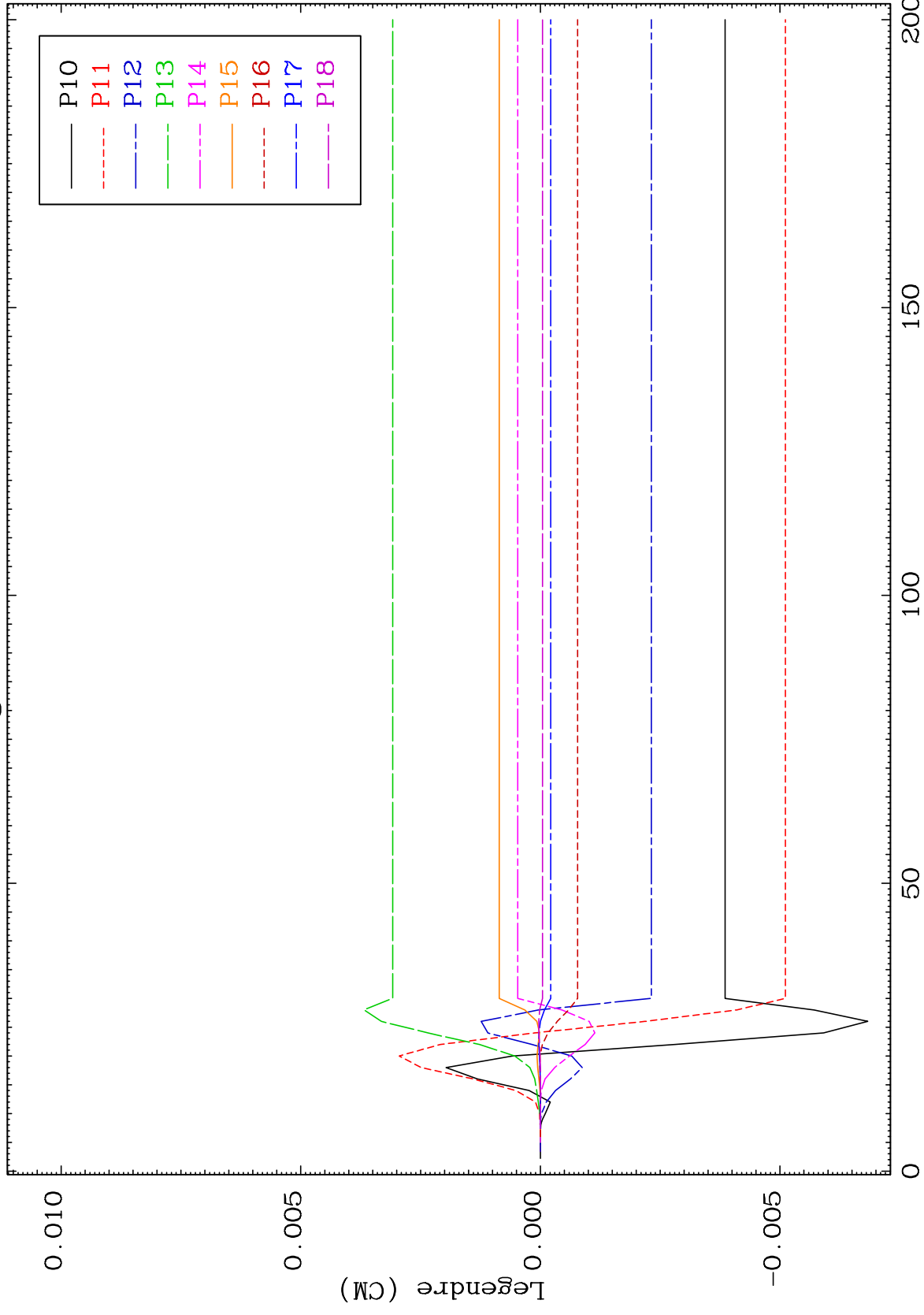
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



93

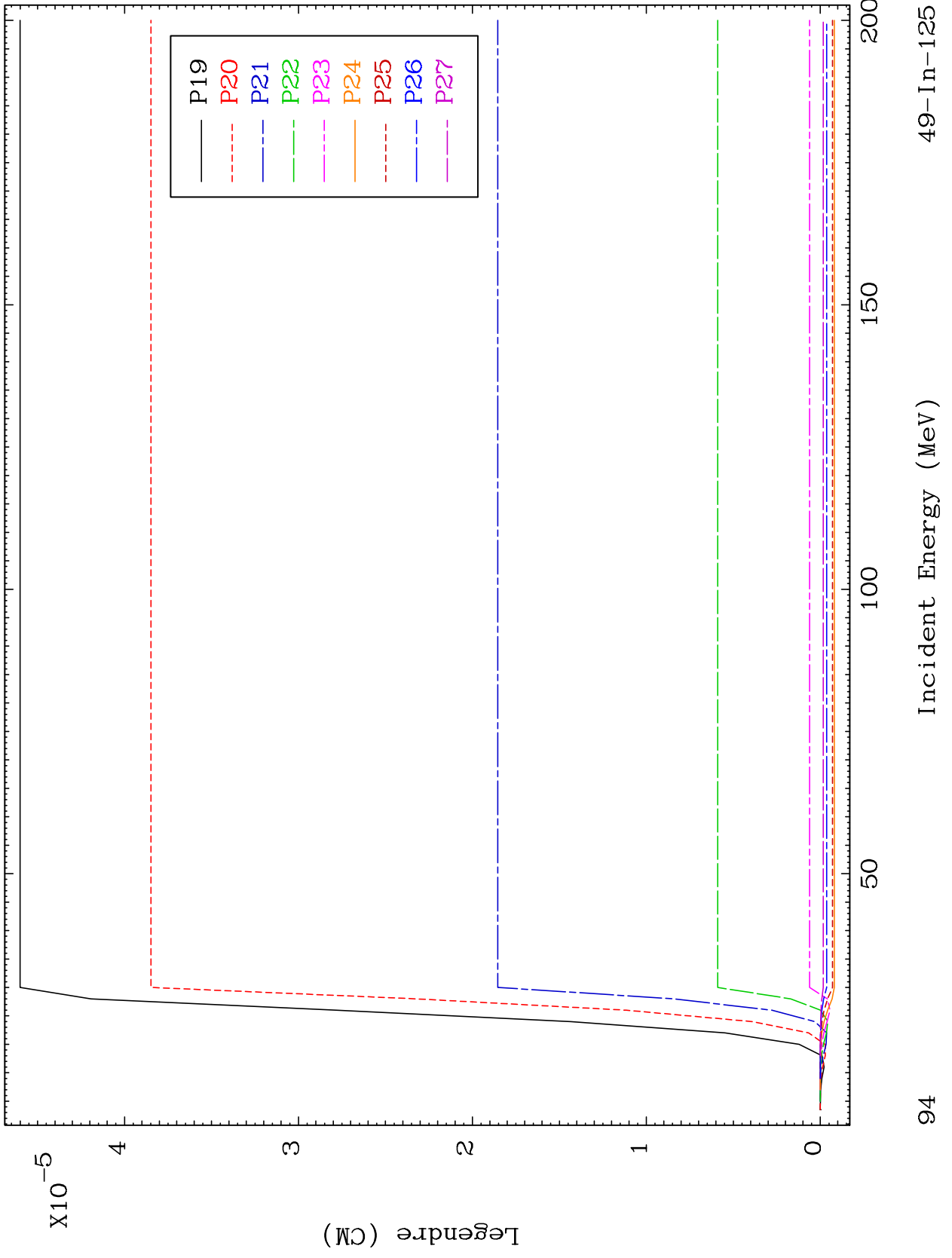
Incident Energy (MeV)

49-In-125

MAT 4961

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

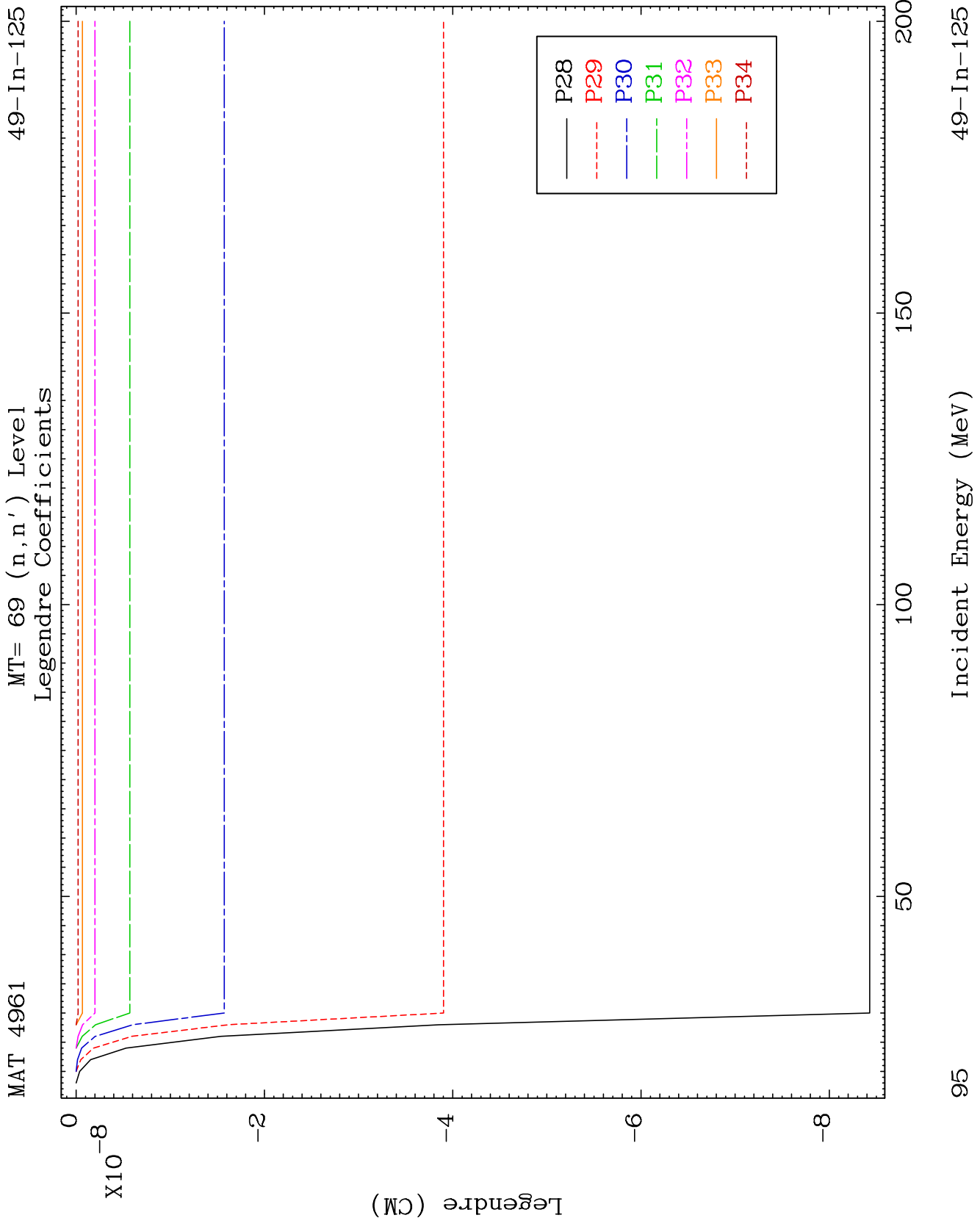
49-In-125



94

Incident Energy (MeV)

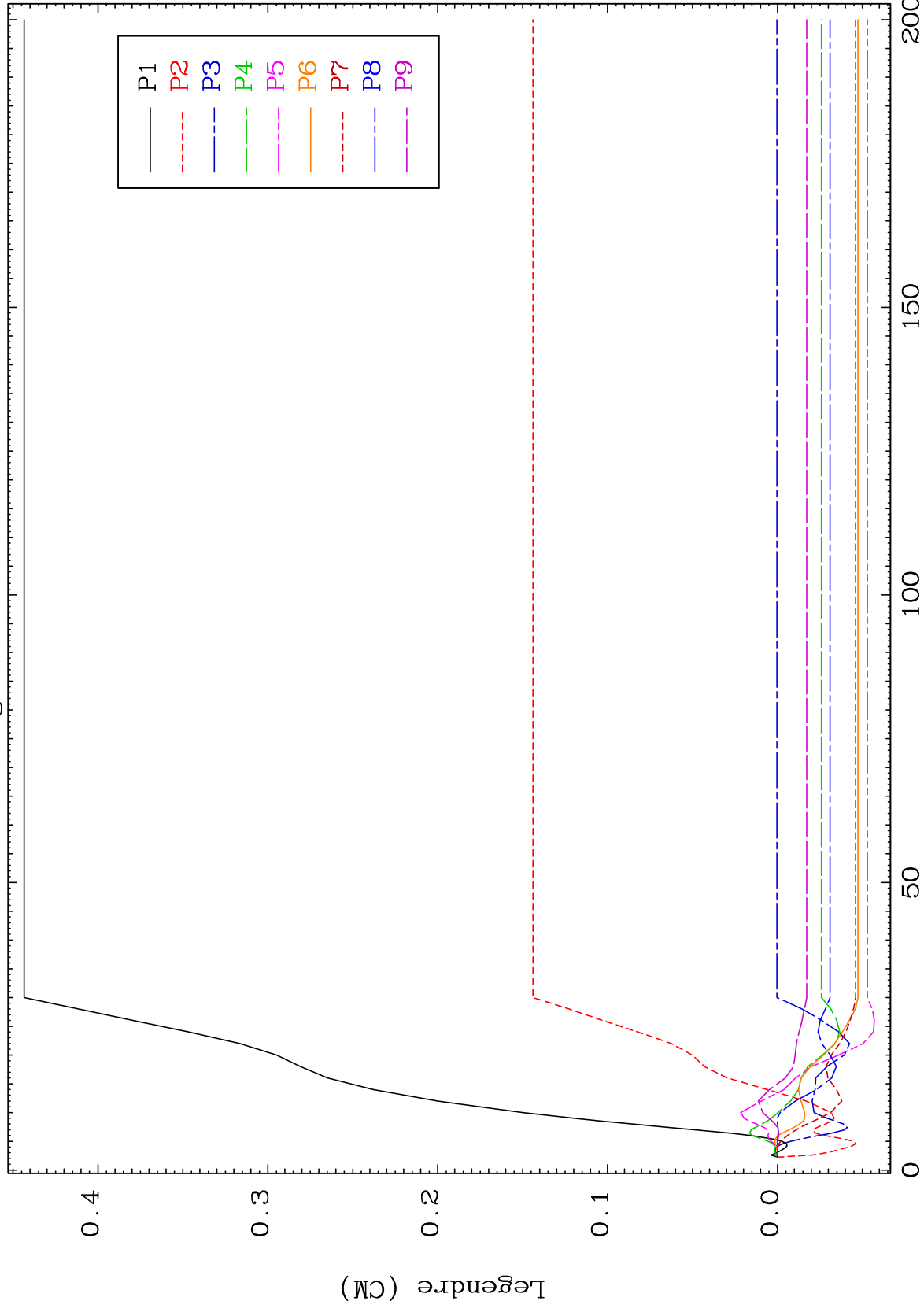
49-In-125



MAT 4961

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

49-In-125



96

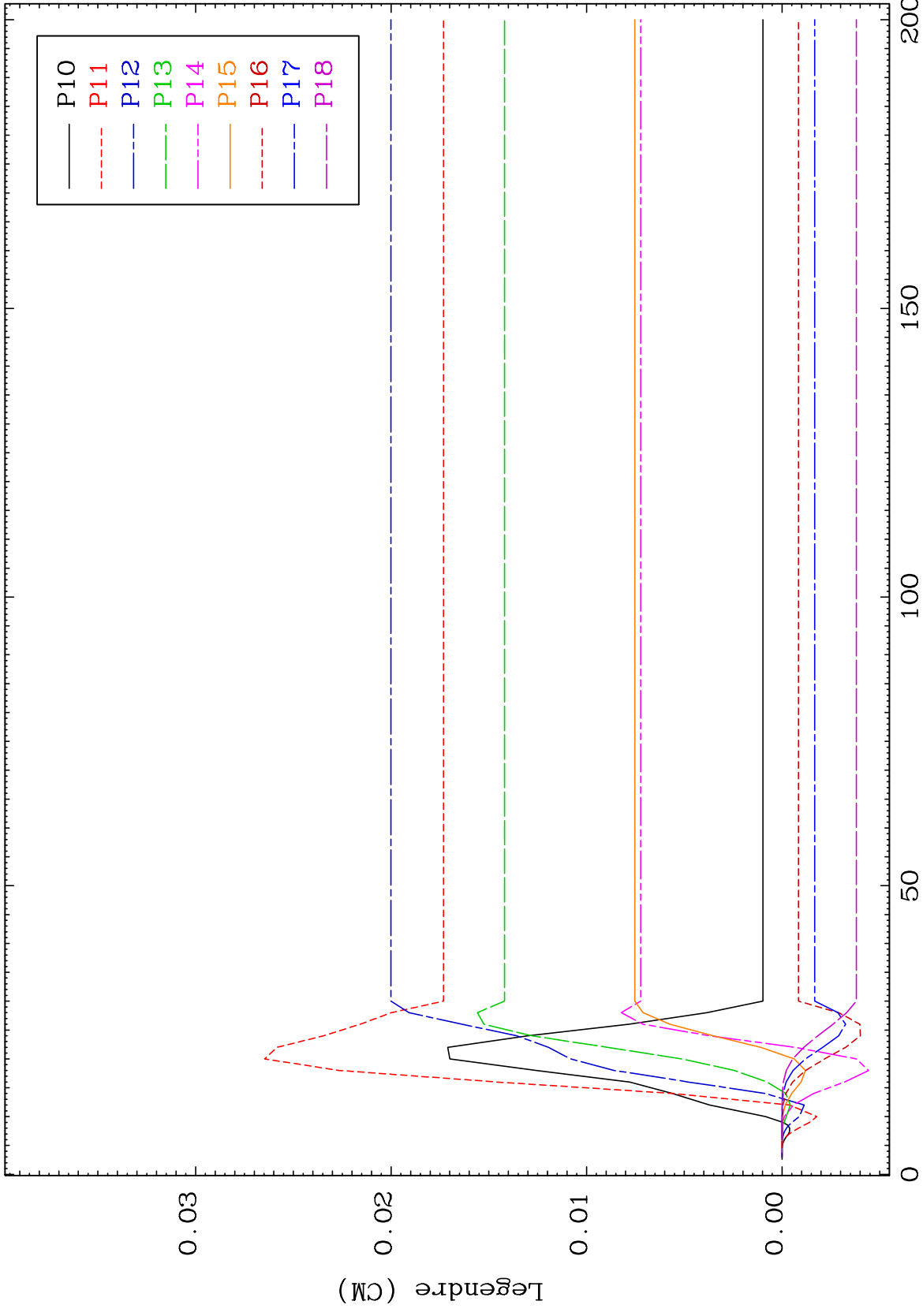
Incident Energy (MeV)

49-In-125

MAT 4961

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

49-In-125



97

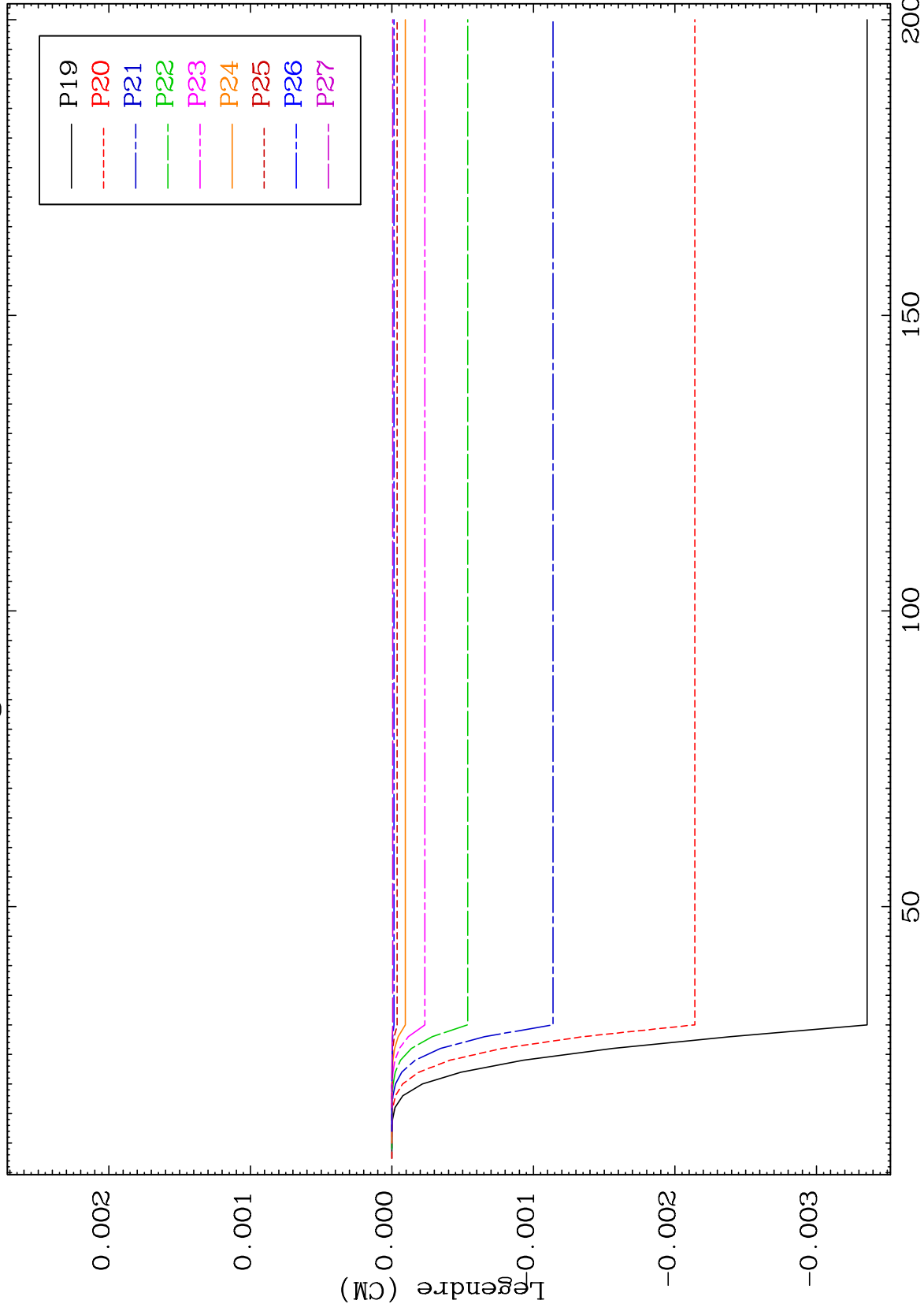
Incident Energy (MeV)

49-In-125

MAT 4961

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

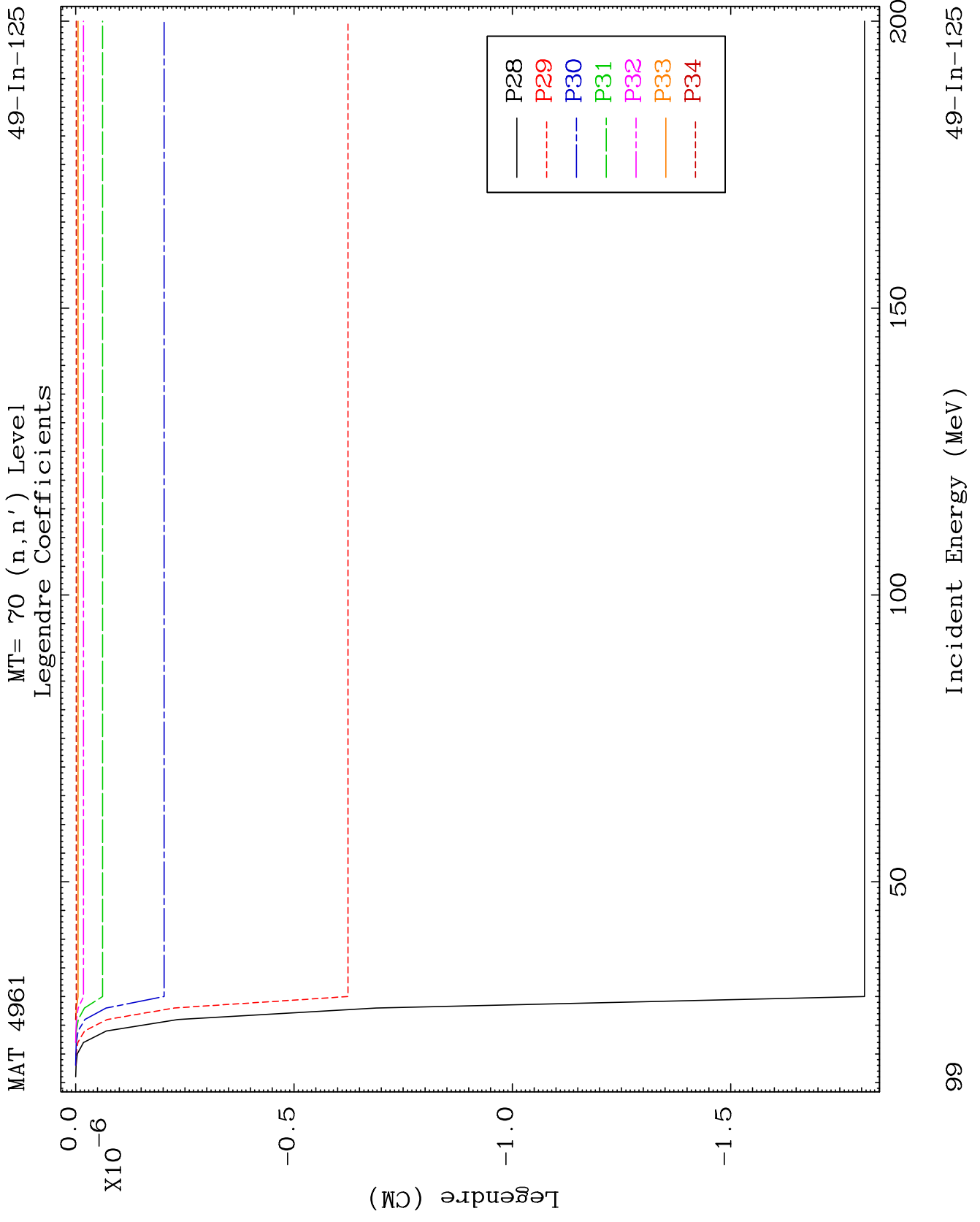
49-In-125



98

Incident Energy (MeV)

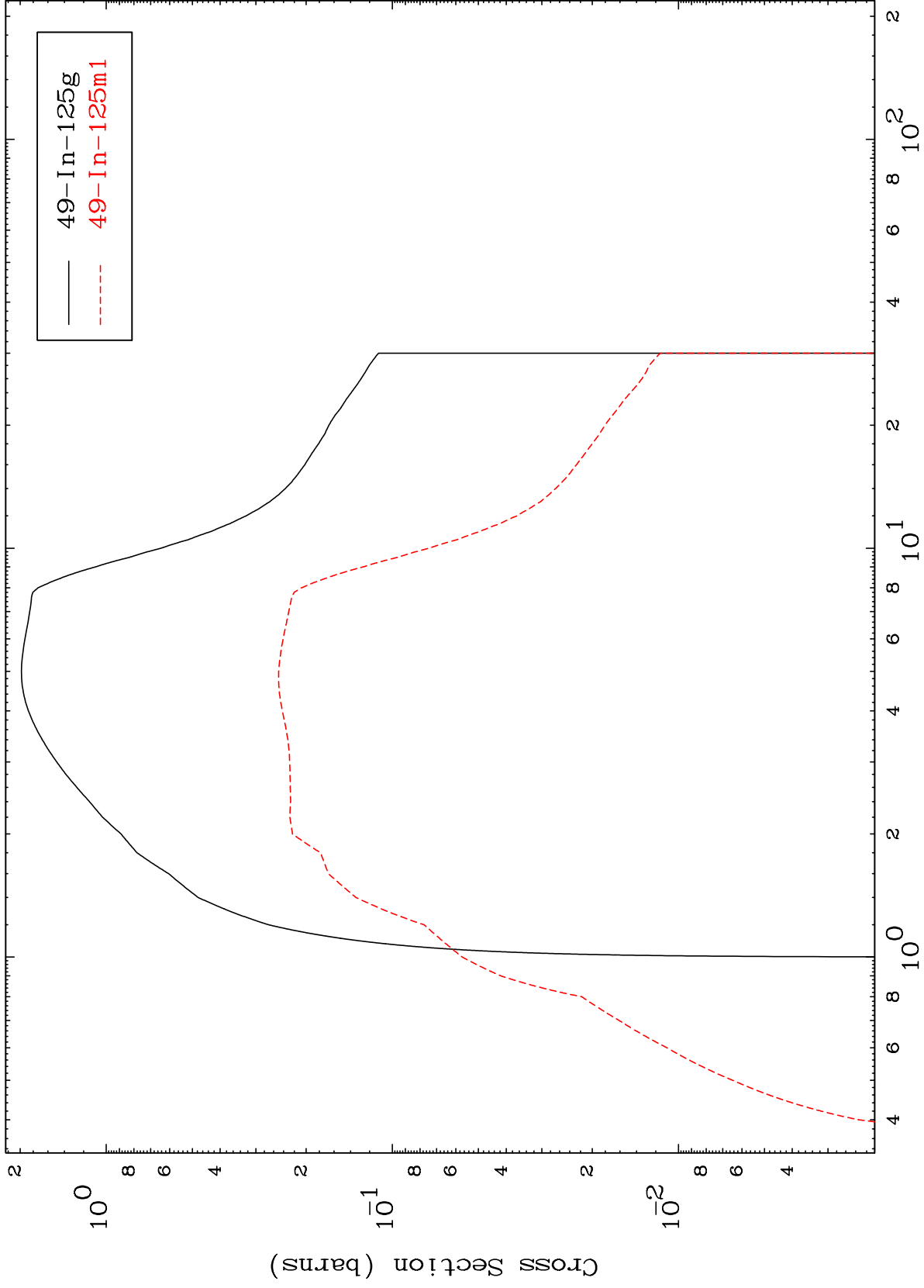
49-In-125



MAT 4961

49-In-125

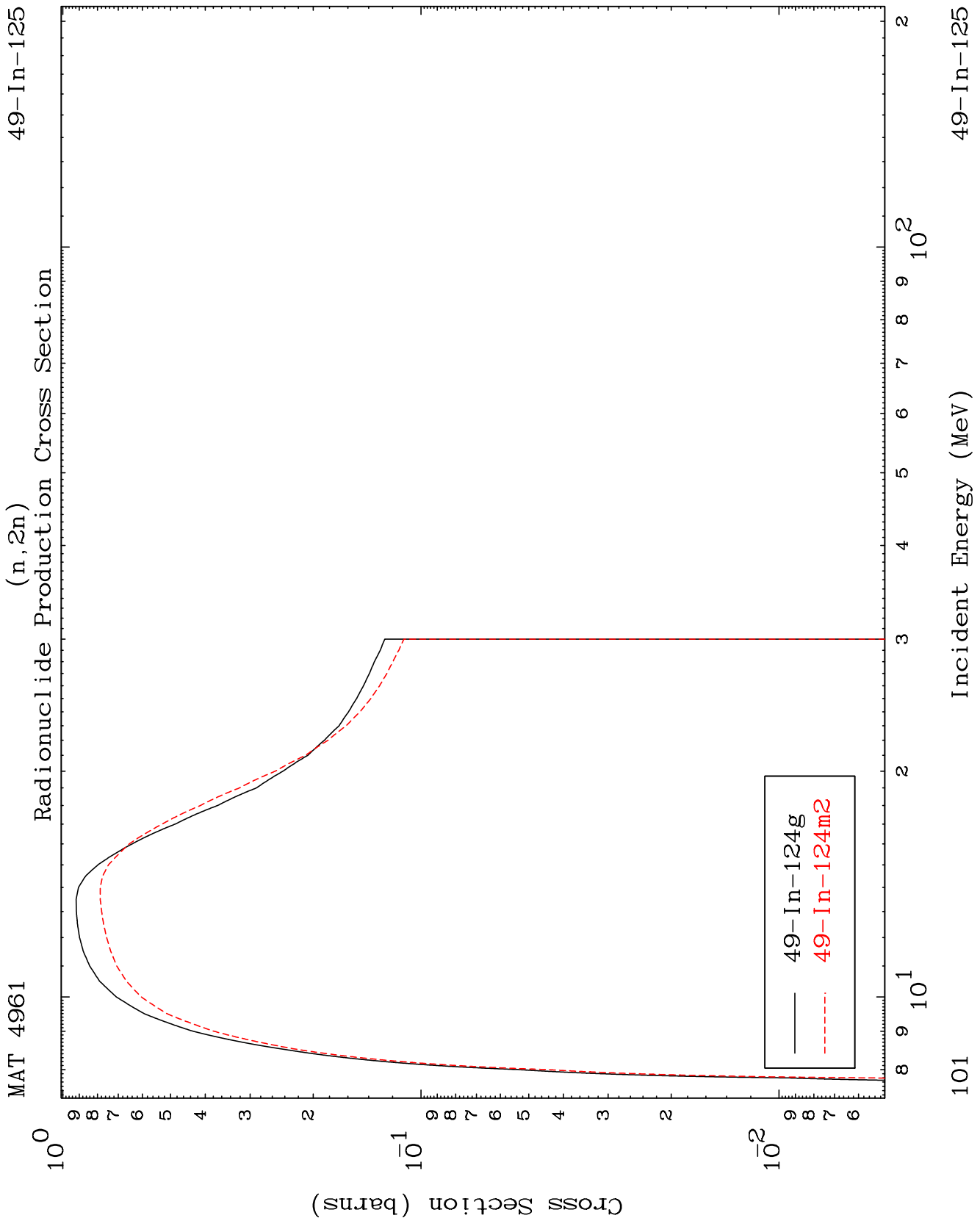
Inelastic
Radionuclide Production Cross Section



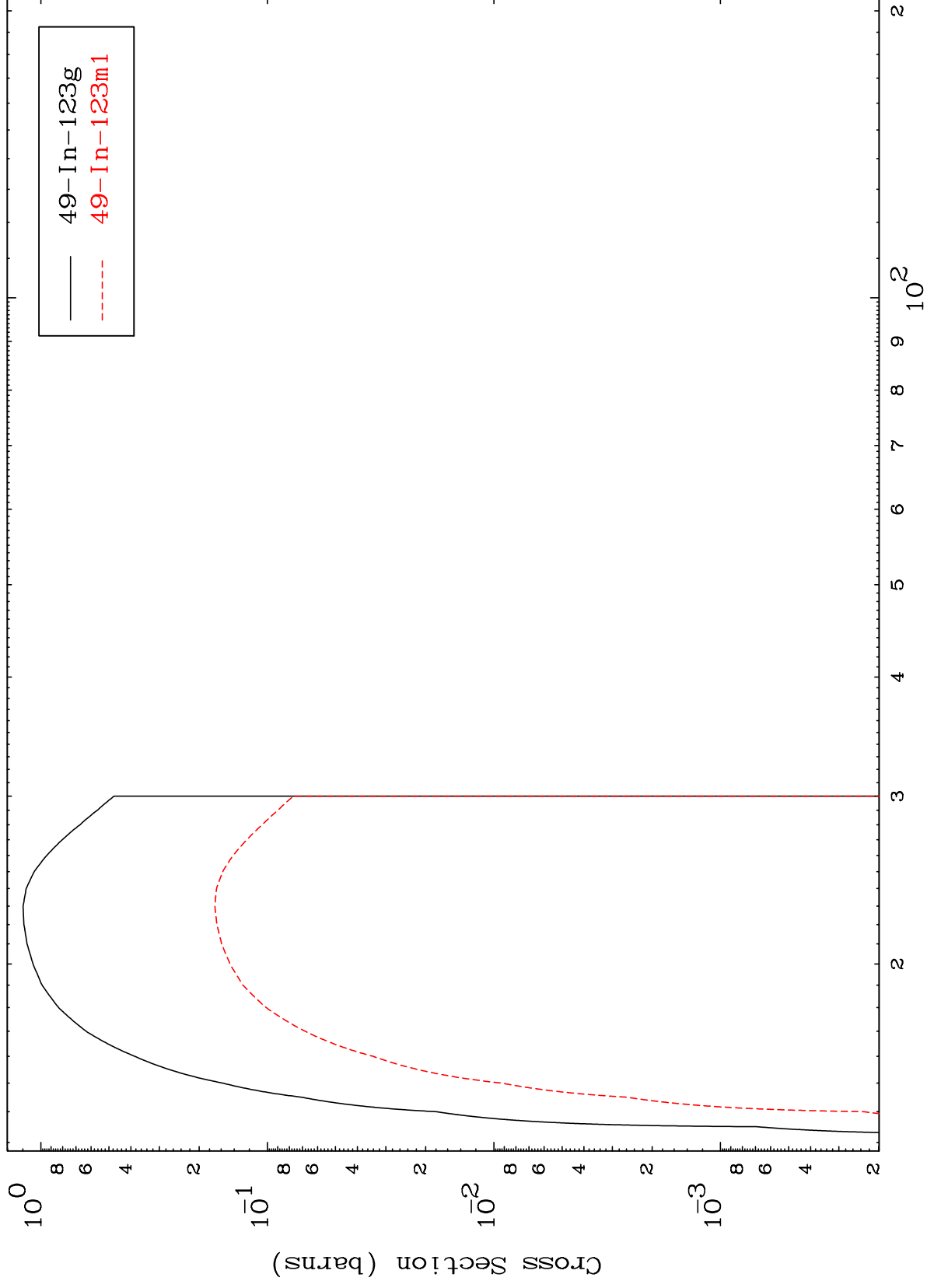
49-In-125

Incident Energy (MeV)

100



Radionuclide Production Cross Section

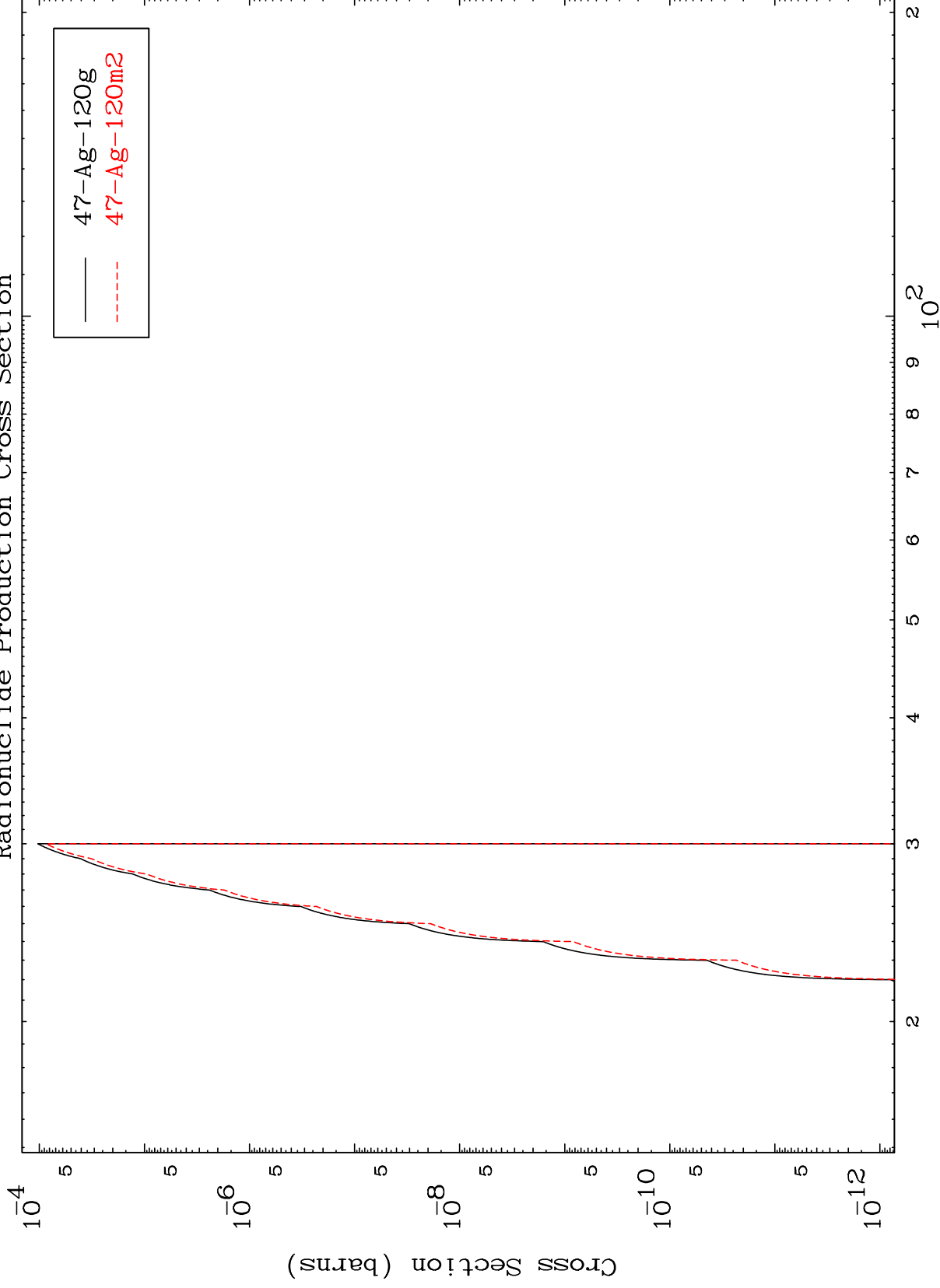


MAT 4961

49-In-125

(n,2n) α

Radionuclide Production Cross Section



103

Incident Energy (MeV)

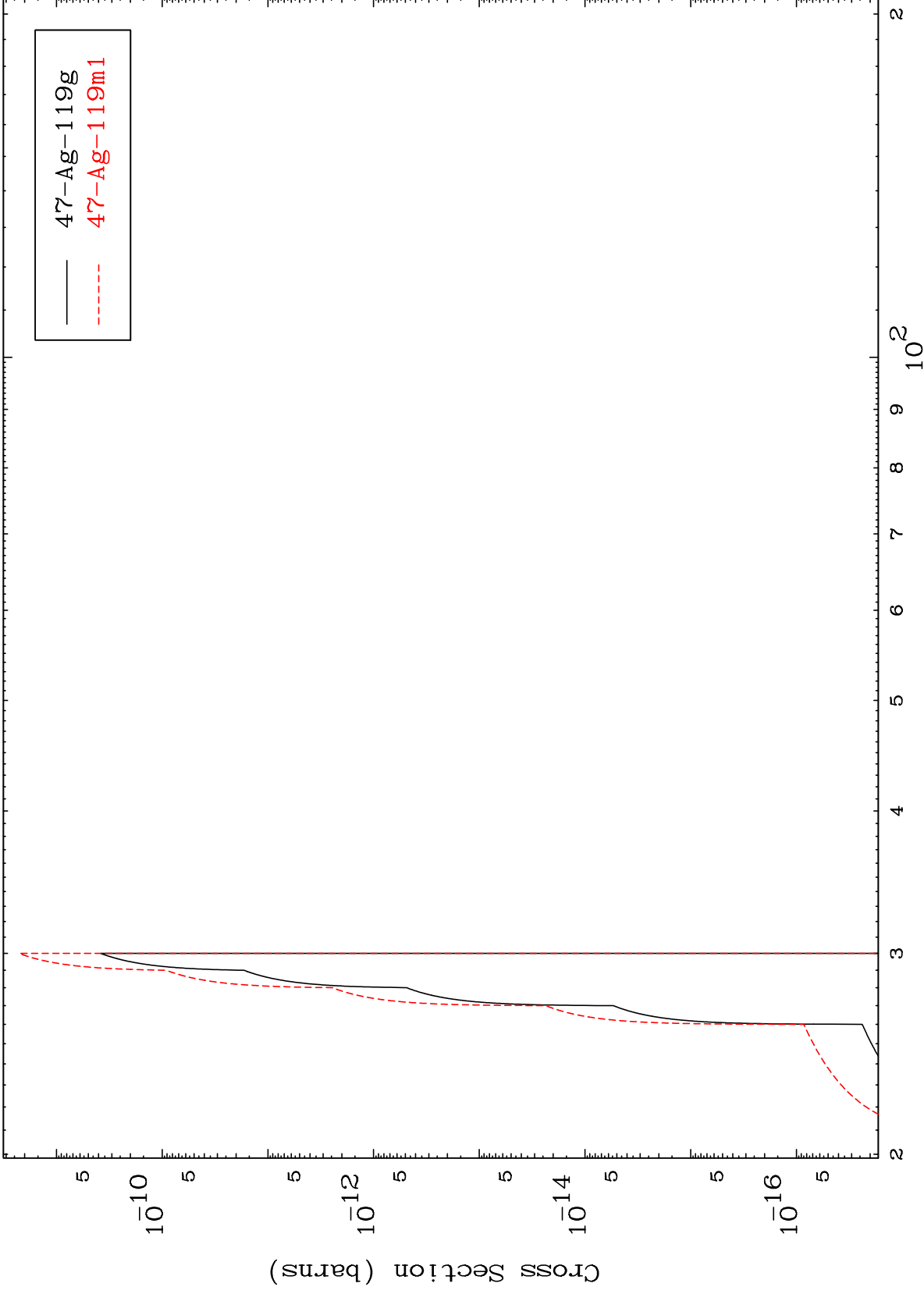
49-In-125

MAT 4961

(n,3n) α

49-In-125

Radionuclide Production Cross Section



104

Incident Energy (MeV)

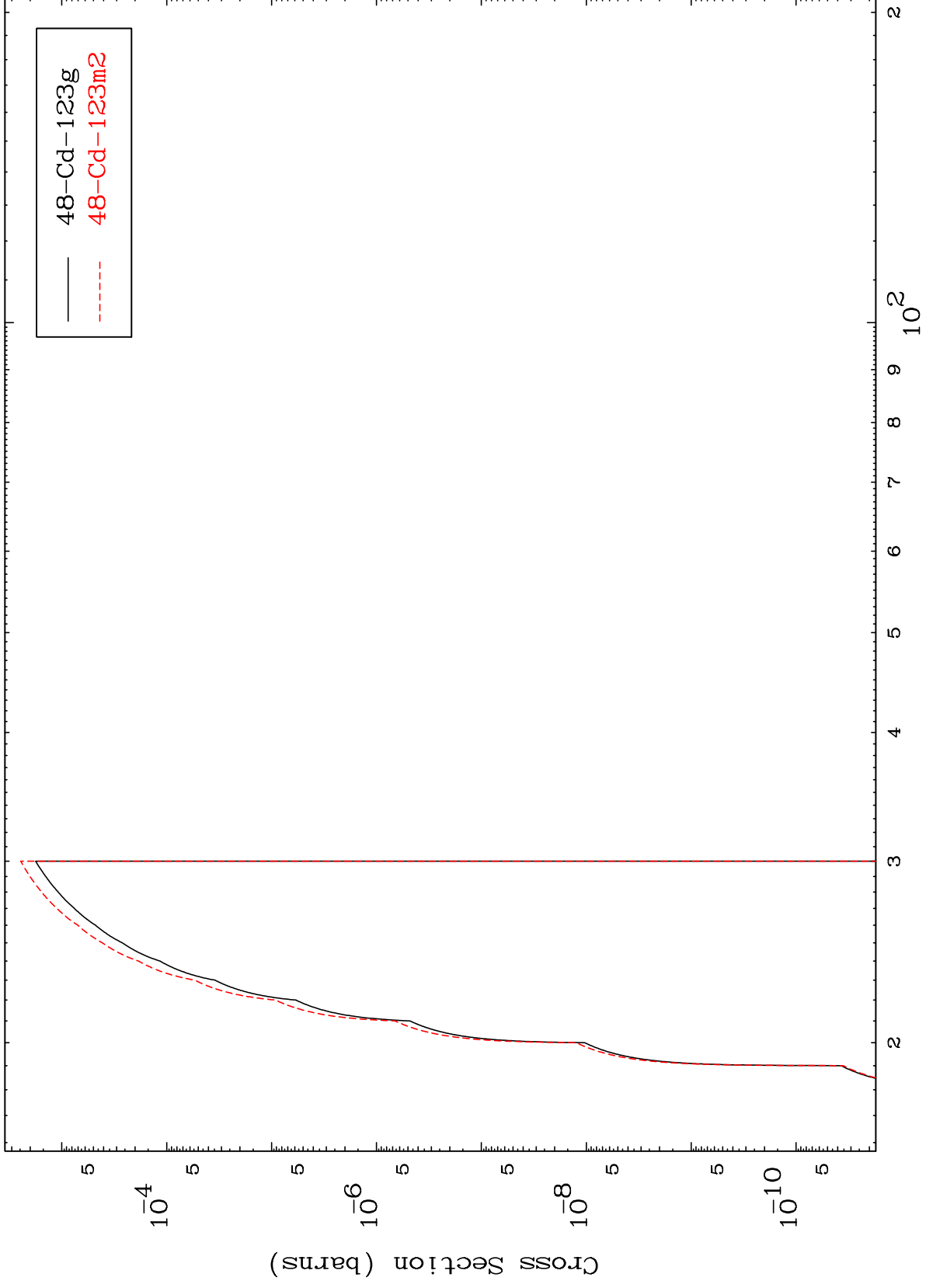
49-In-125

MAT 4961

(n,n') d

49-In-125

Radionuclide Production Cross Section



105

Incident Energy (MeV)

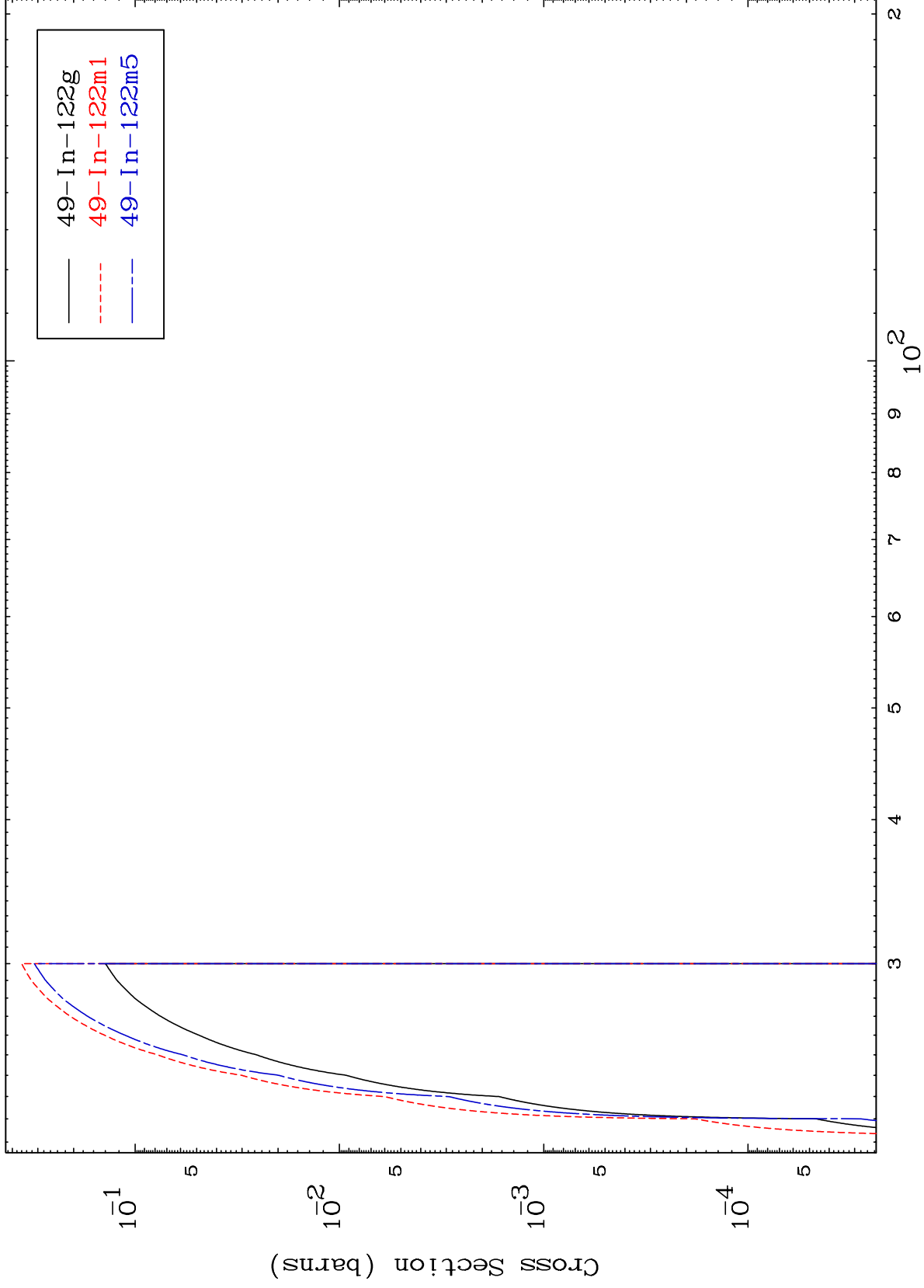
49-In-125

MAT 4961

(n,4n)

49-In-125

Radionuclide Production Cross Section



106

Incident Energy (MeV)

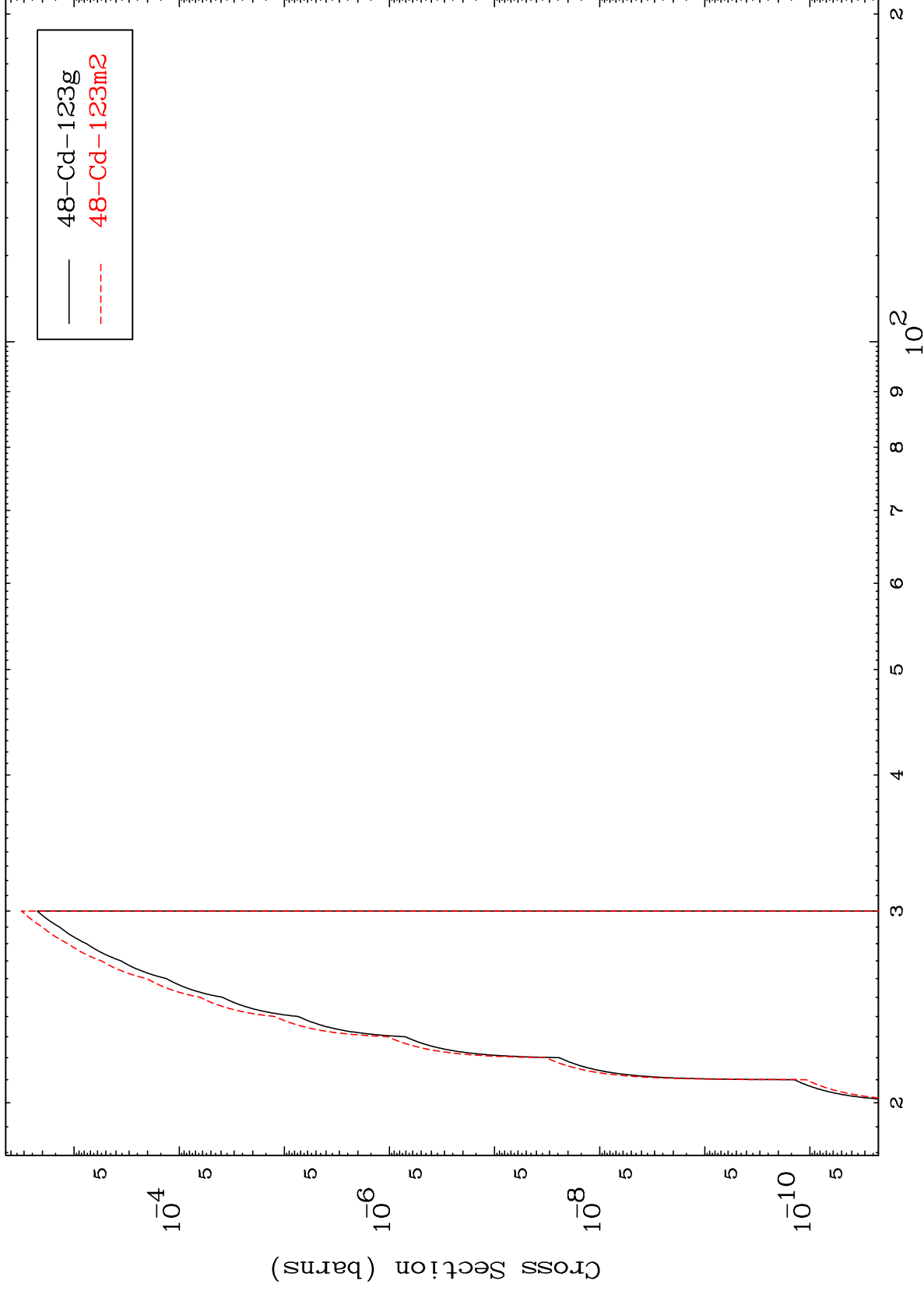
49-In-125

MAT 4961

(n,2n) p

49-In-125

Radionuclide Production Cross Section



107

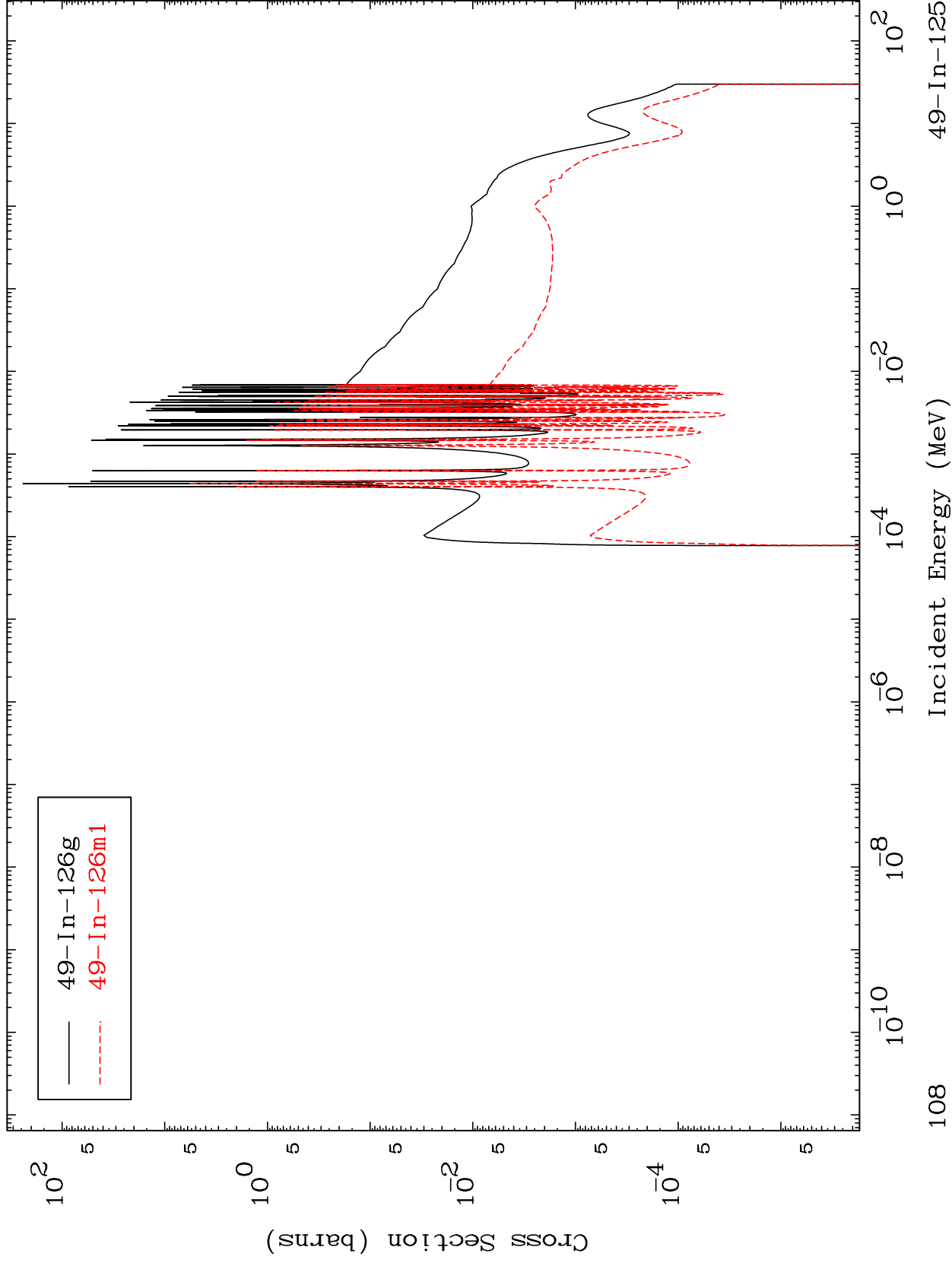
Incident Energy (MeV)

49-In-125

MAT 4961

49-In-125

(n,γ)
Radionuclide Production Cross Section

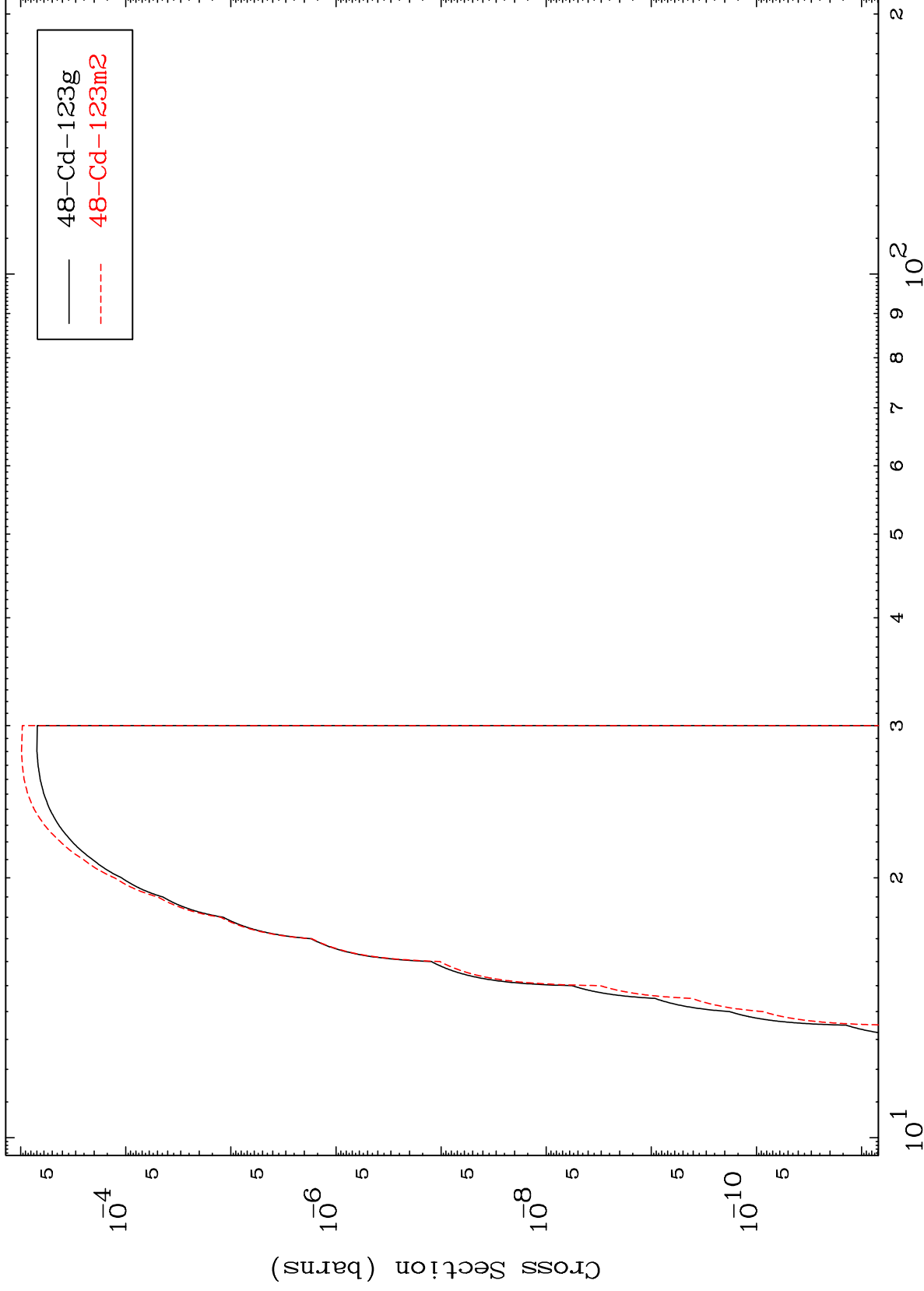


MAT 4961

(n,t)

49-In-125

Radionuclide Production Cross Section



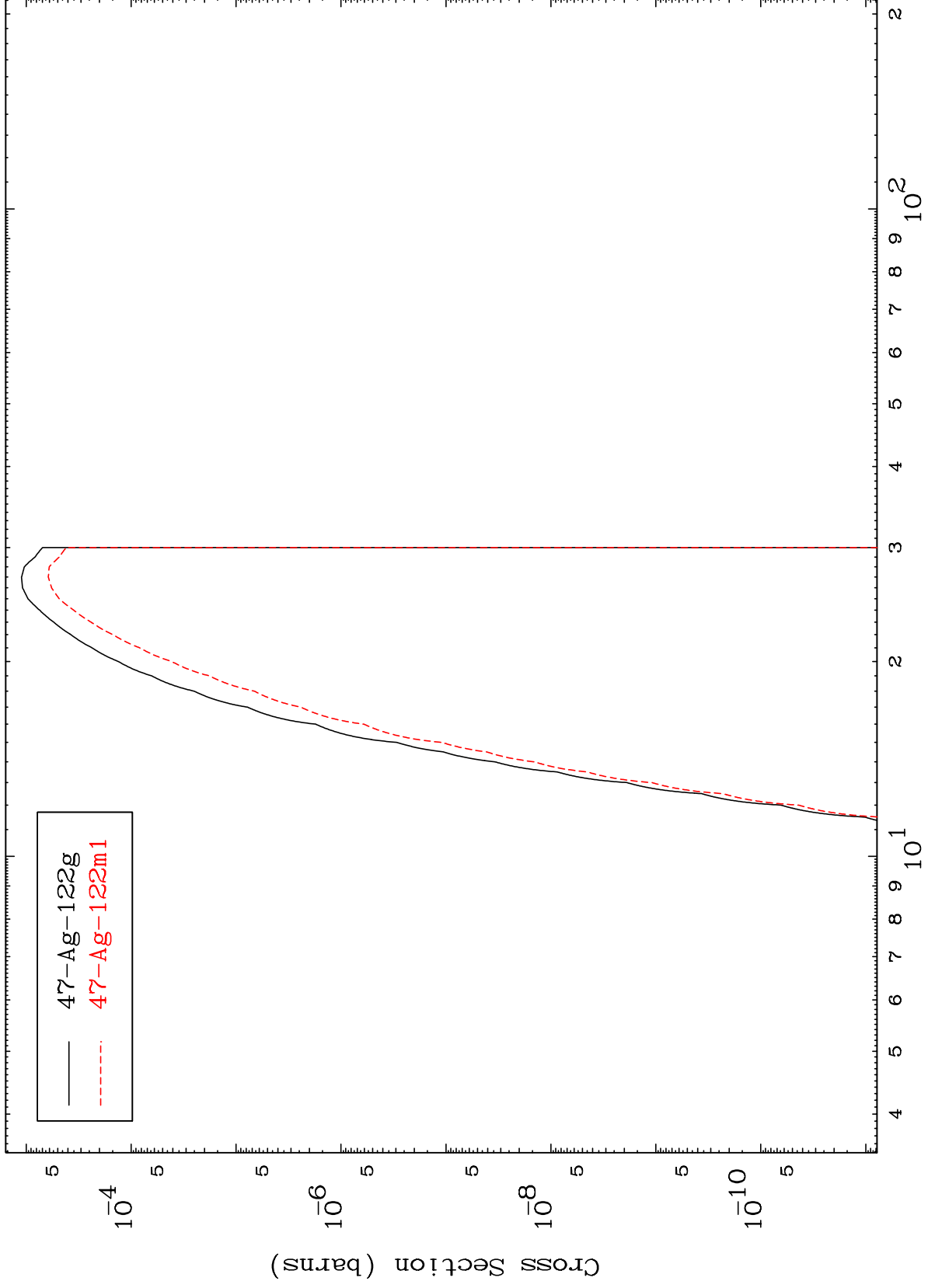
Incident Energy (MeV)

49-In-125

MAT 4961

49-In-125

(n,α)
Radionuclide Production Cross Section



— 47-Ag-122g
- - - 47-Ag-122m1

110

Incident Energy (MeV)

49-In-125