

Program EVALPLOT  
(Version 2021-1)

by

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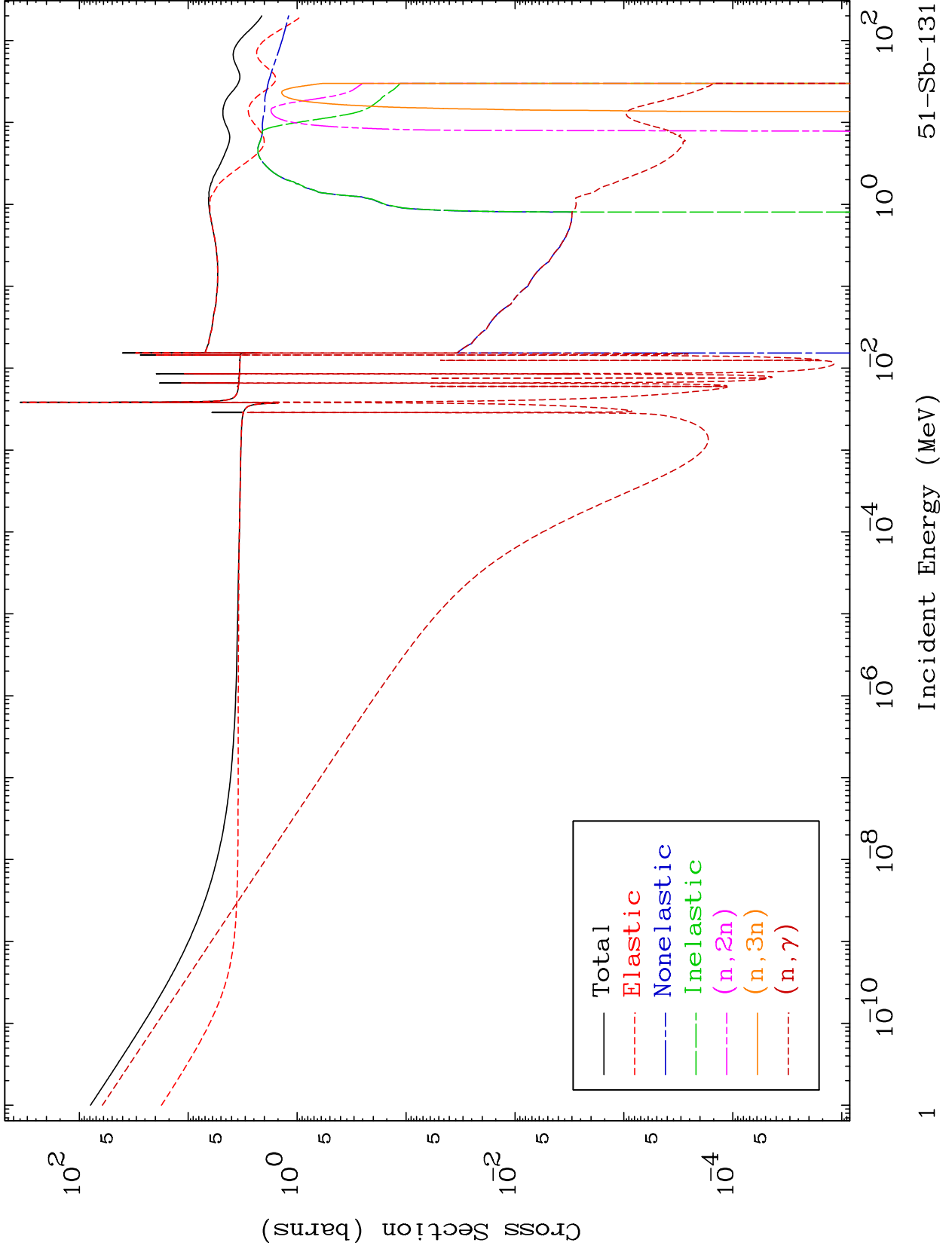
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5155

Neutron Major  
293 Kelvin Cross Sections

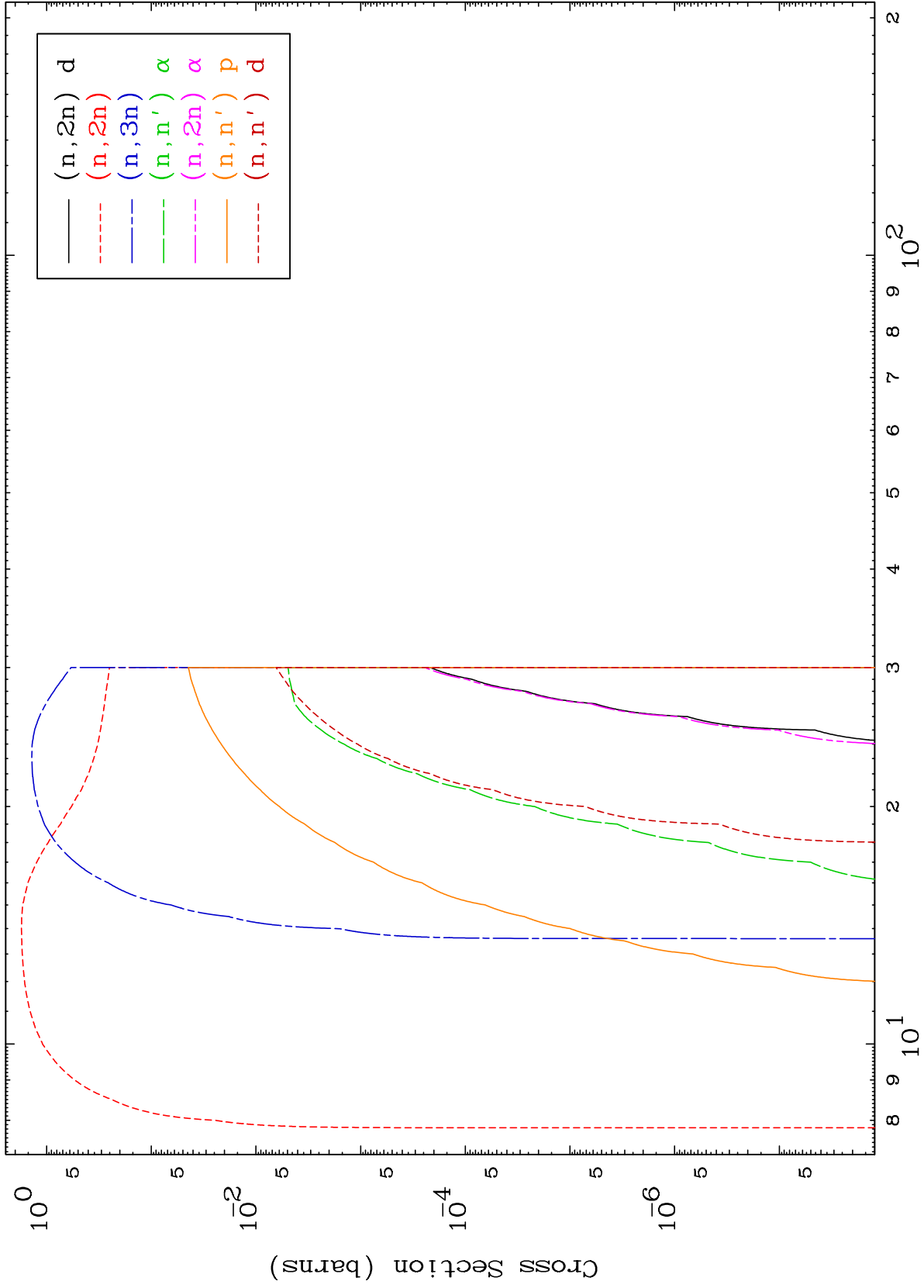
51-Sb-131



MAT 5155

Neutron Absorption  
293 Kelvin Cross Sections

51-Sb-131



2

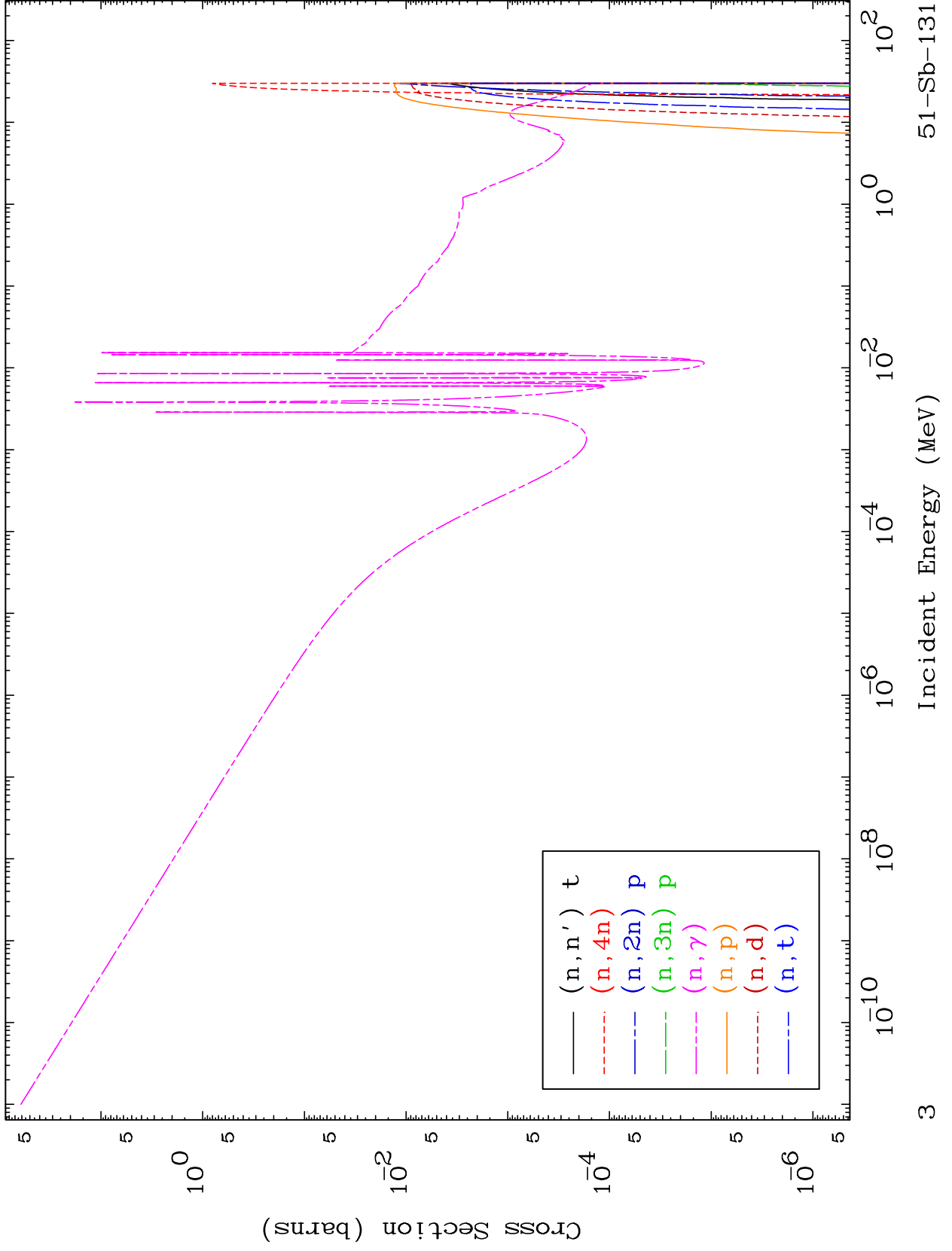
Incident Energy (MeV)

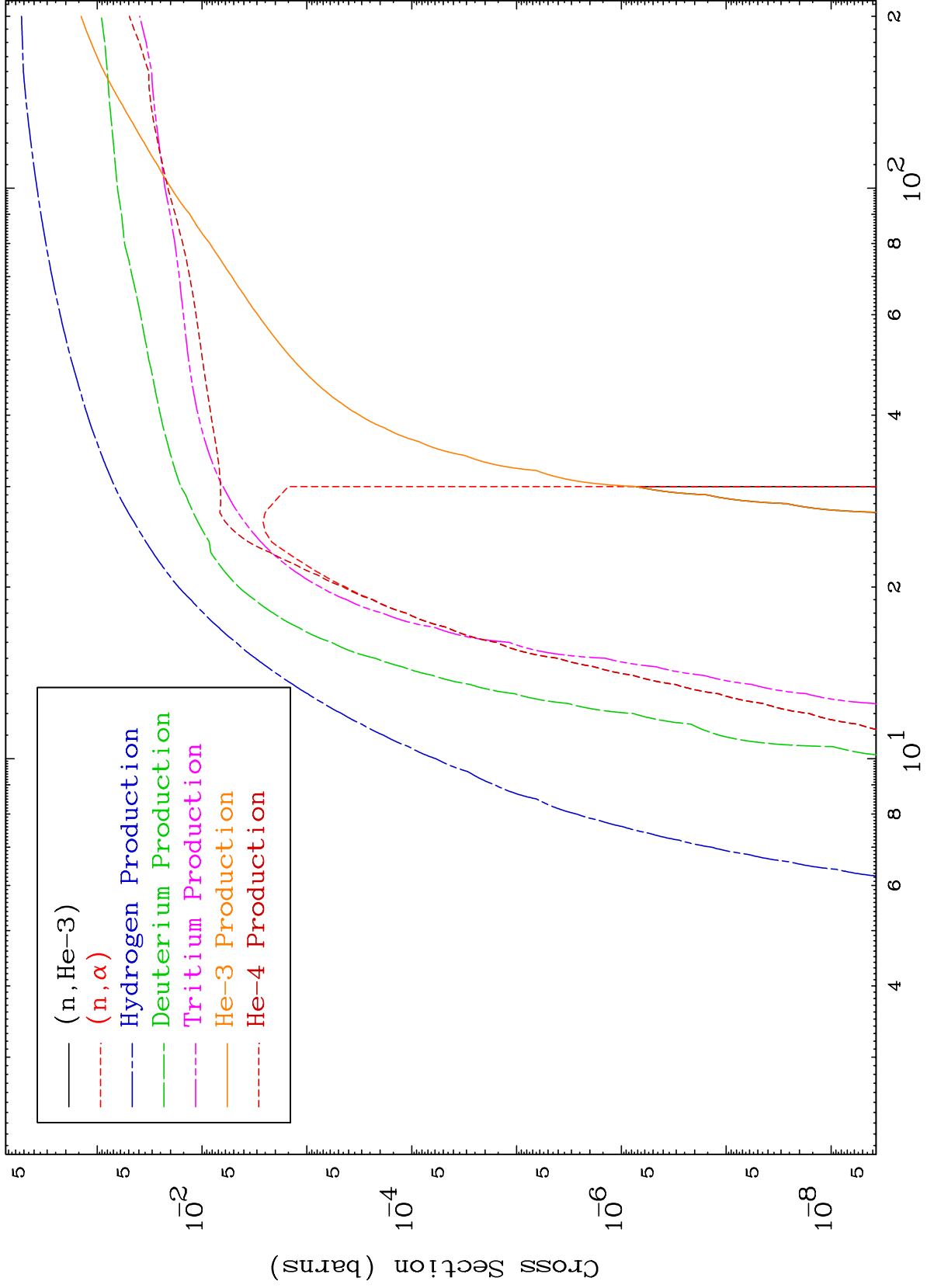
51-Sb-131

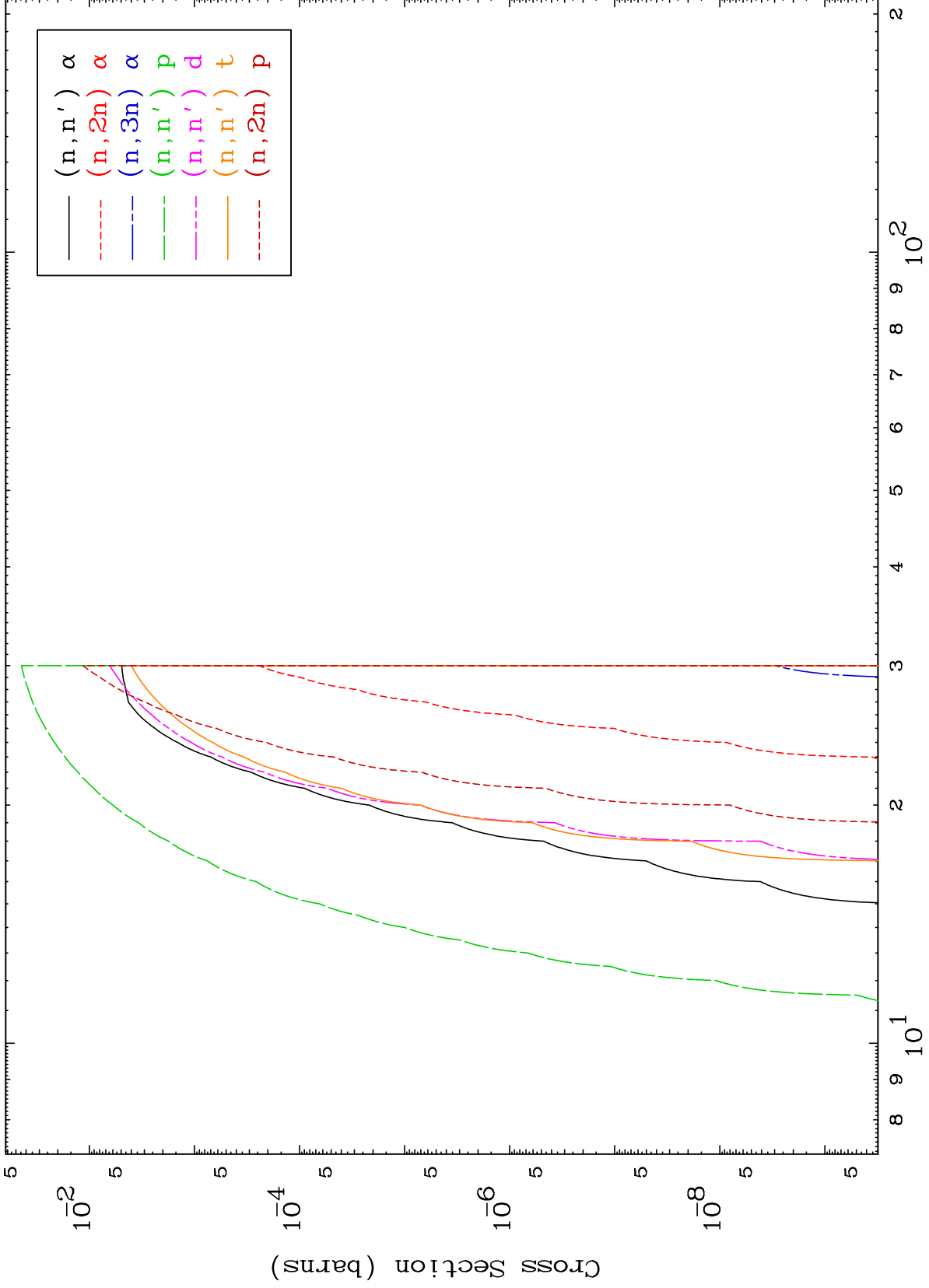
MAT 5155

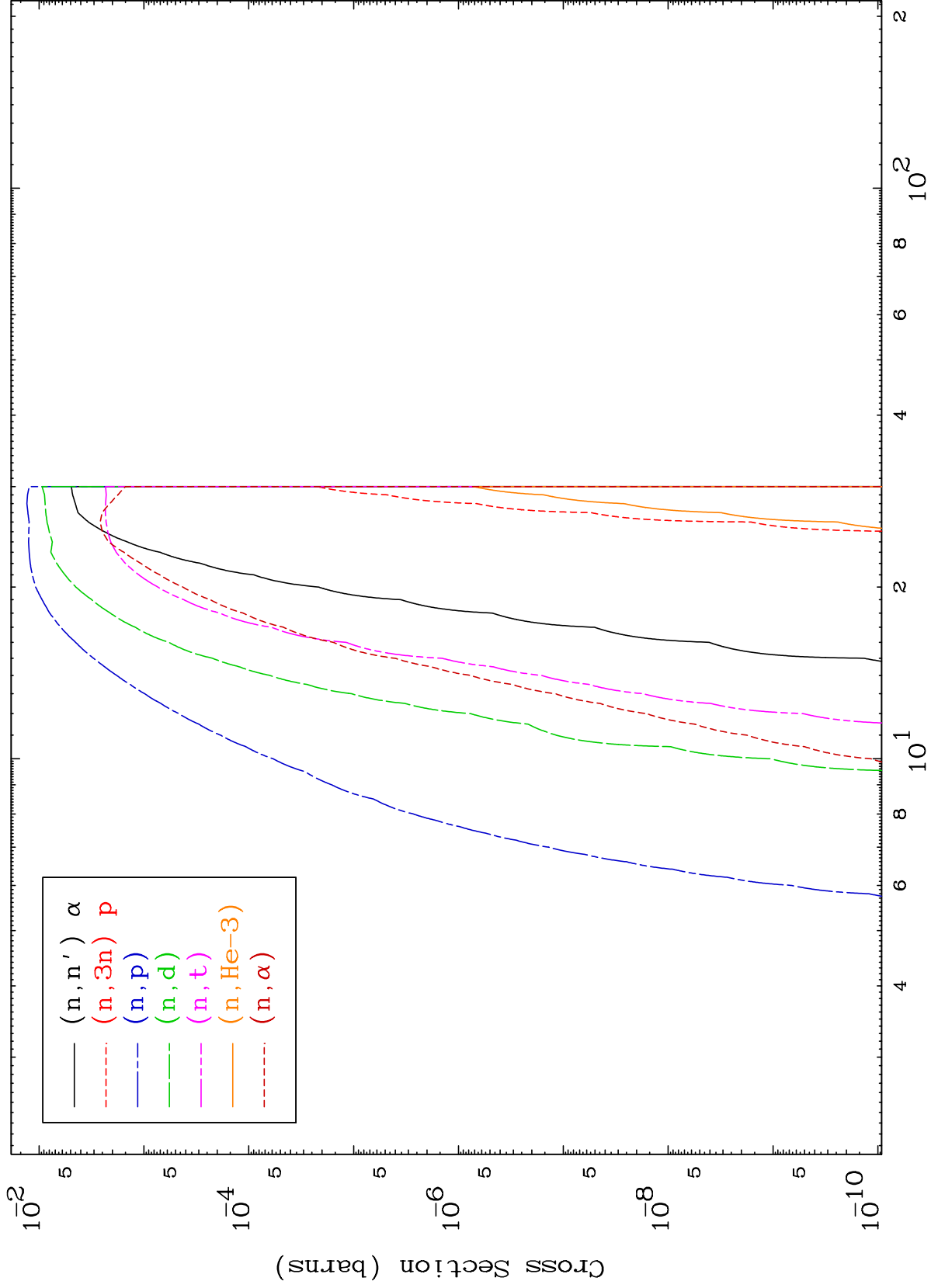
Neutron Absorption  
293 Kelvin Cross Sections

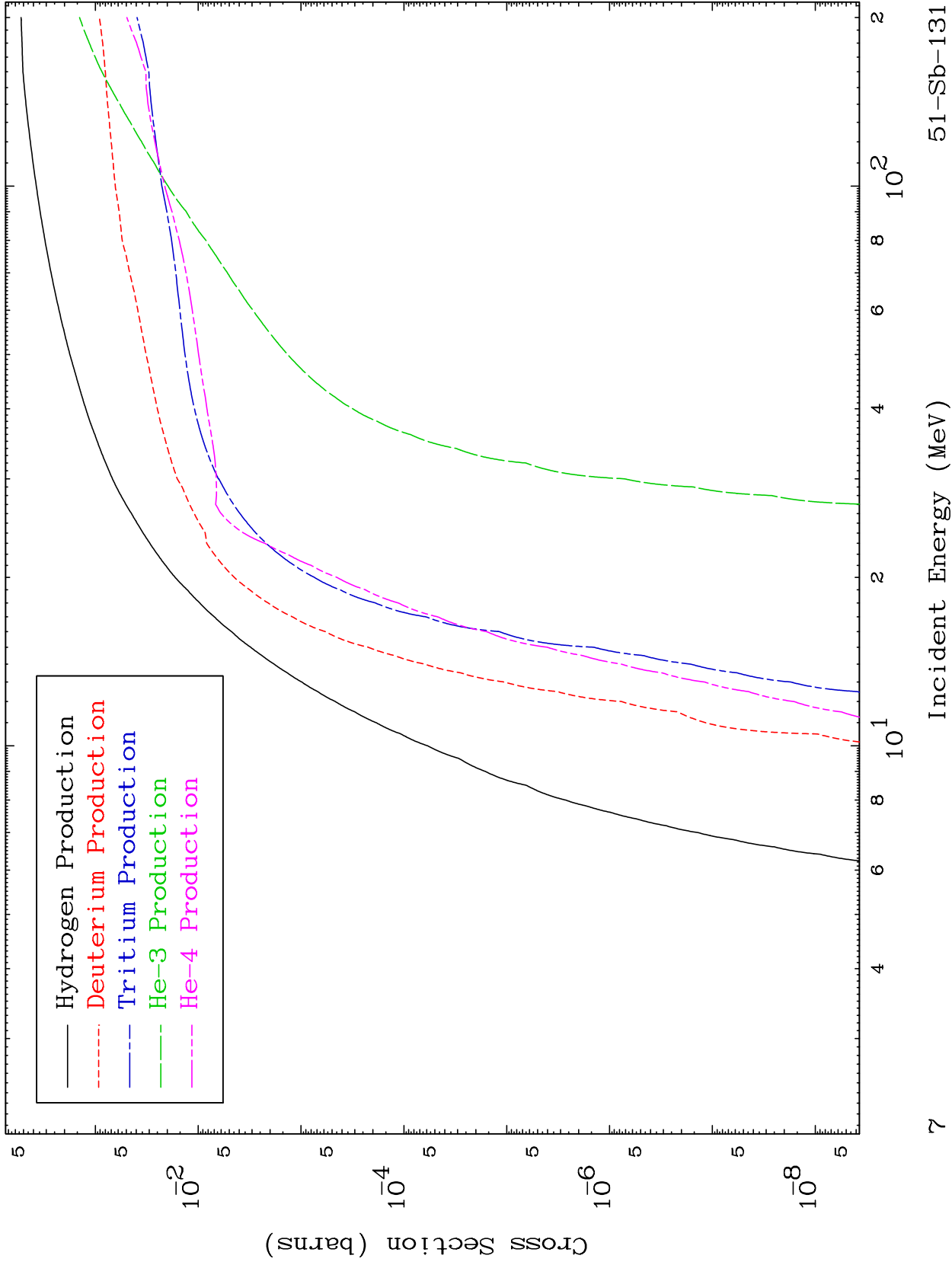
51-Sb-131











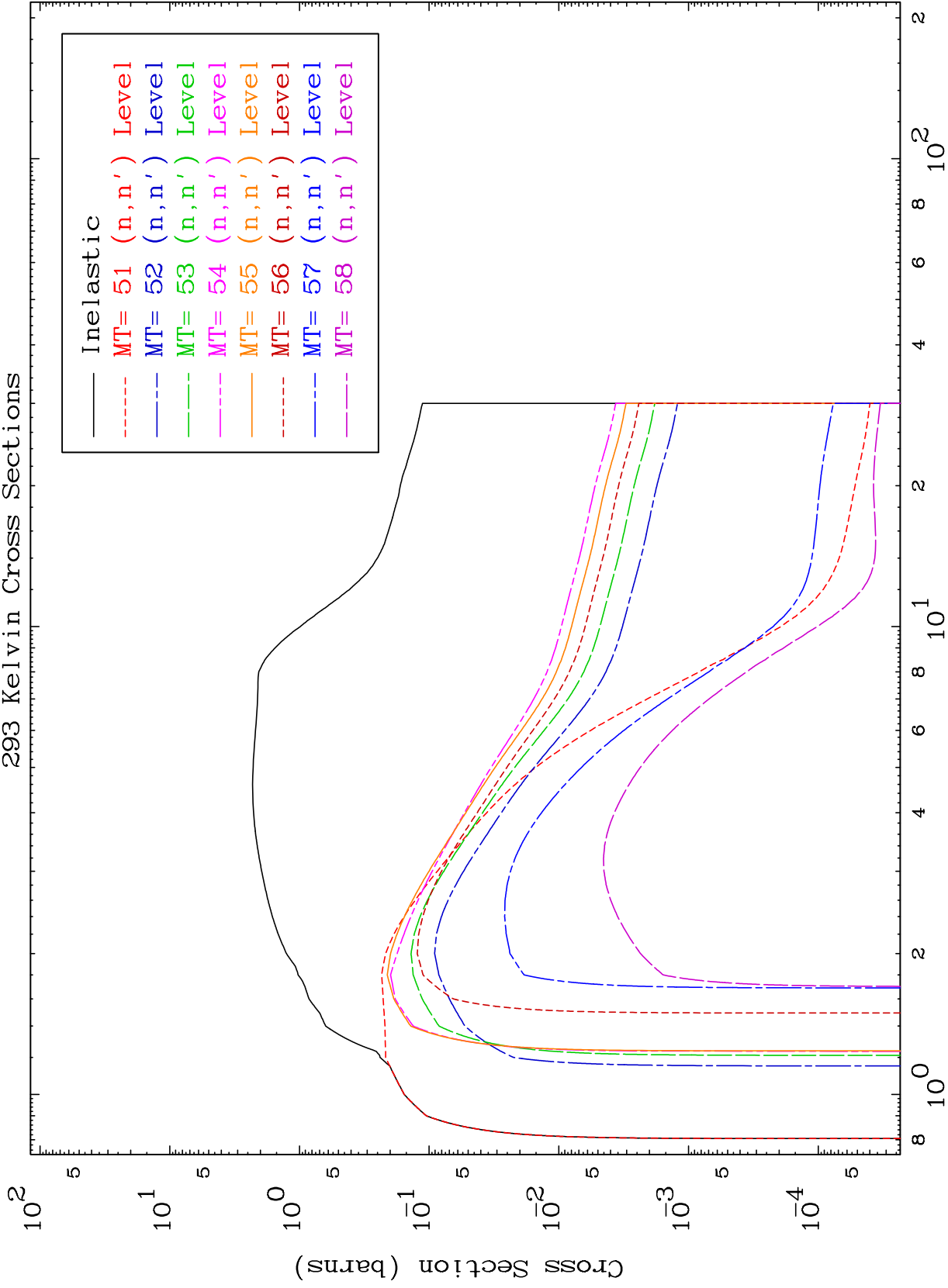


MAT 5155

(n,n') Levels

51-Sb-131

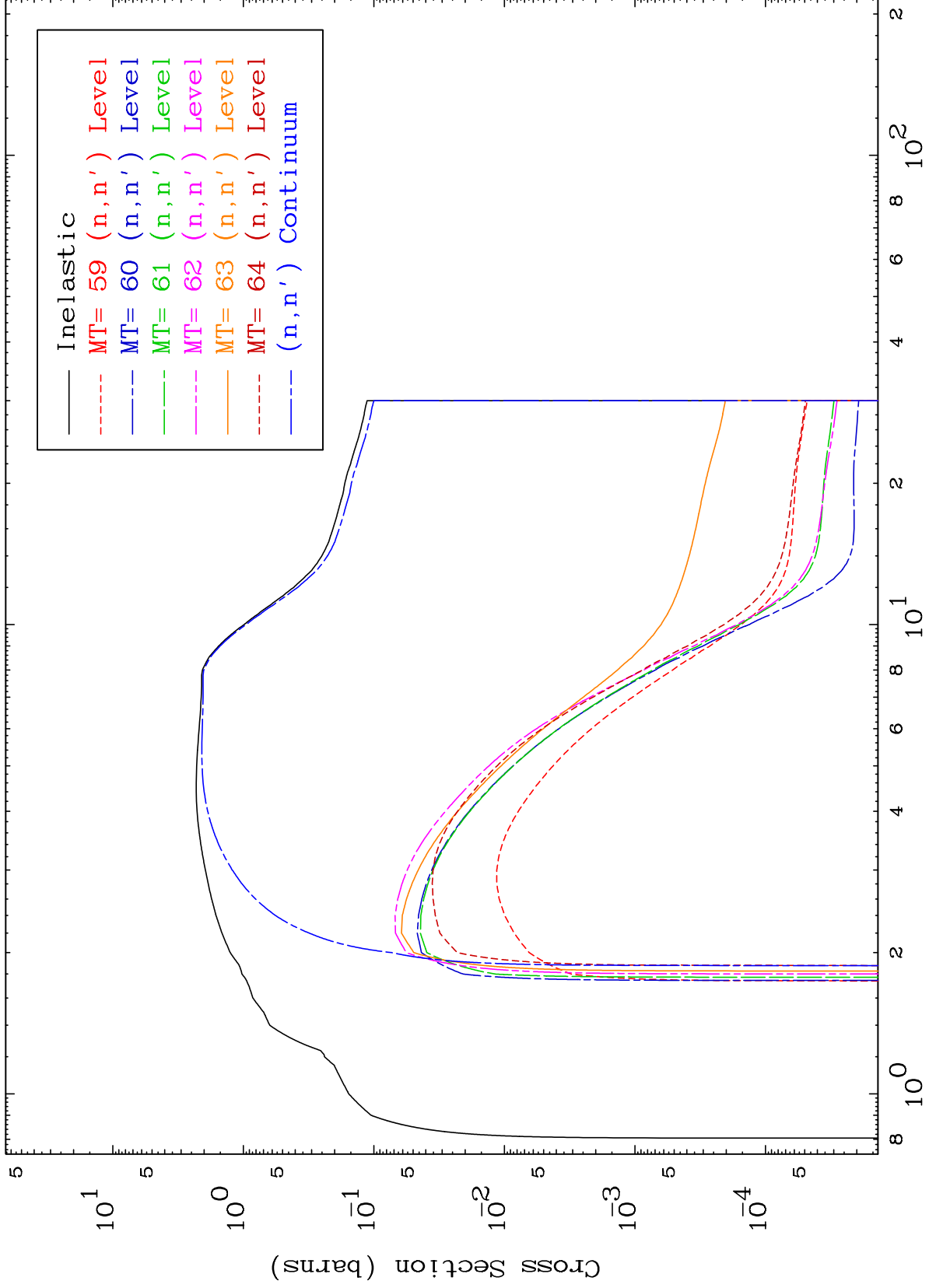
293 Kelvin Cross Sections



Incident Energy (MeV)

51-Sb-131

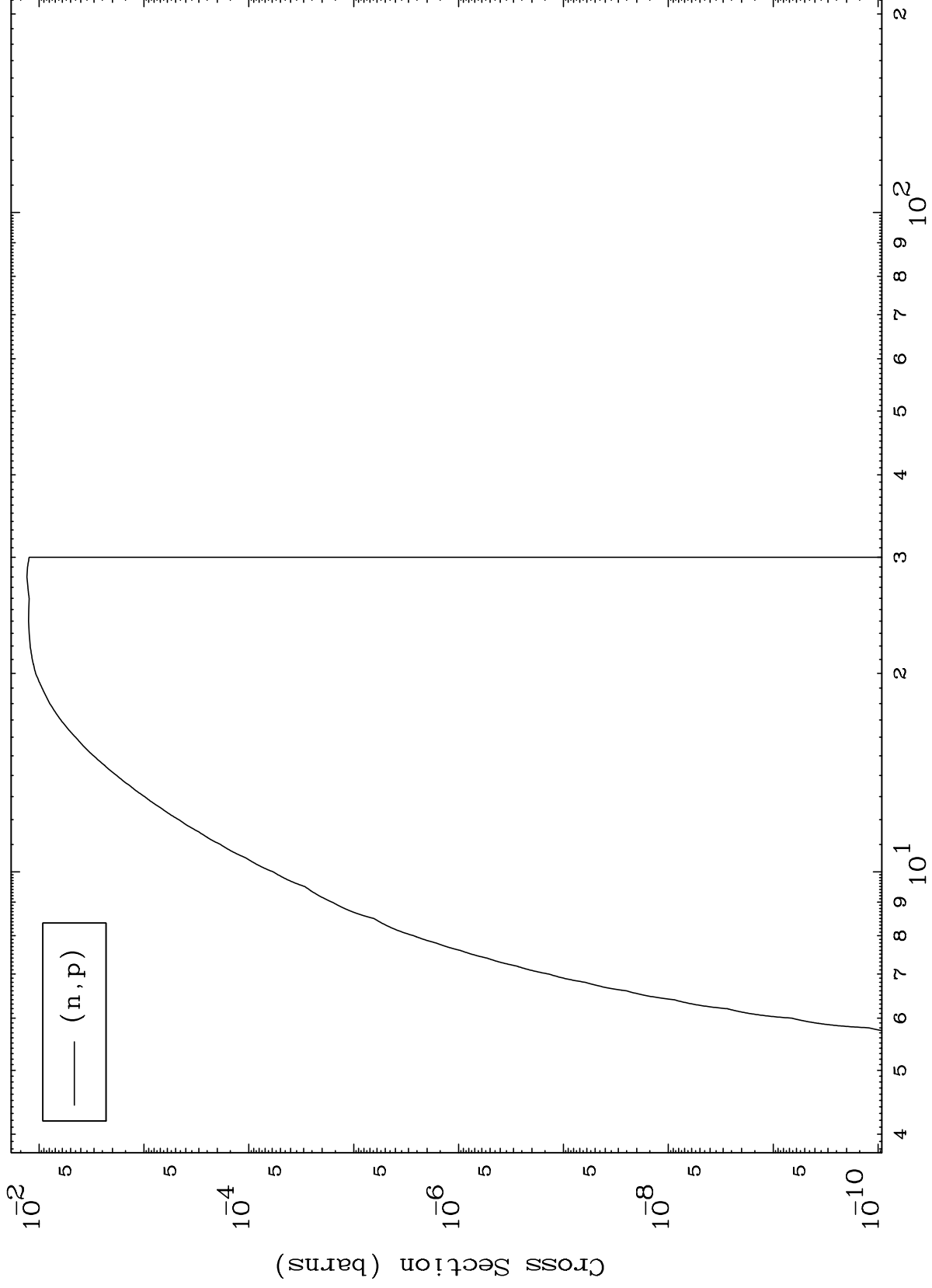
293 Kelvin Cross Sections



MAT 5155

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-131



10

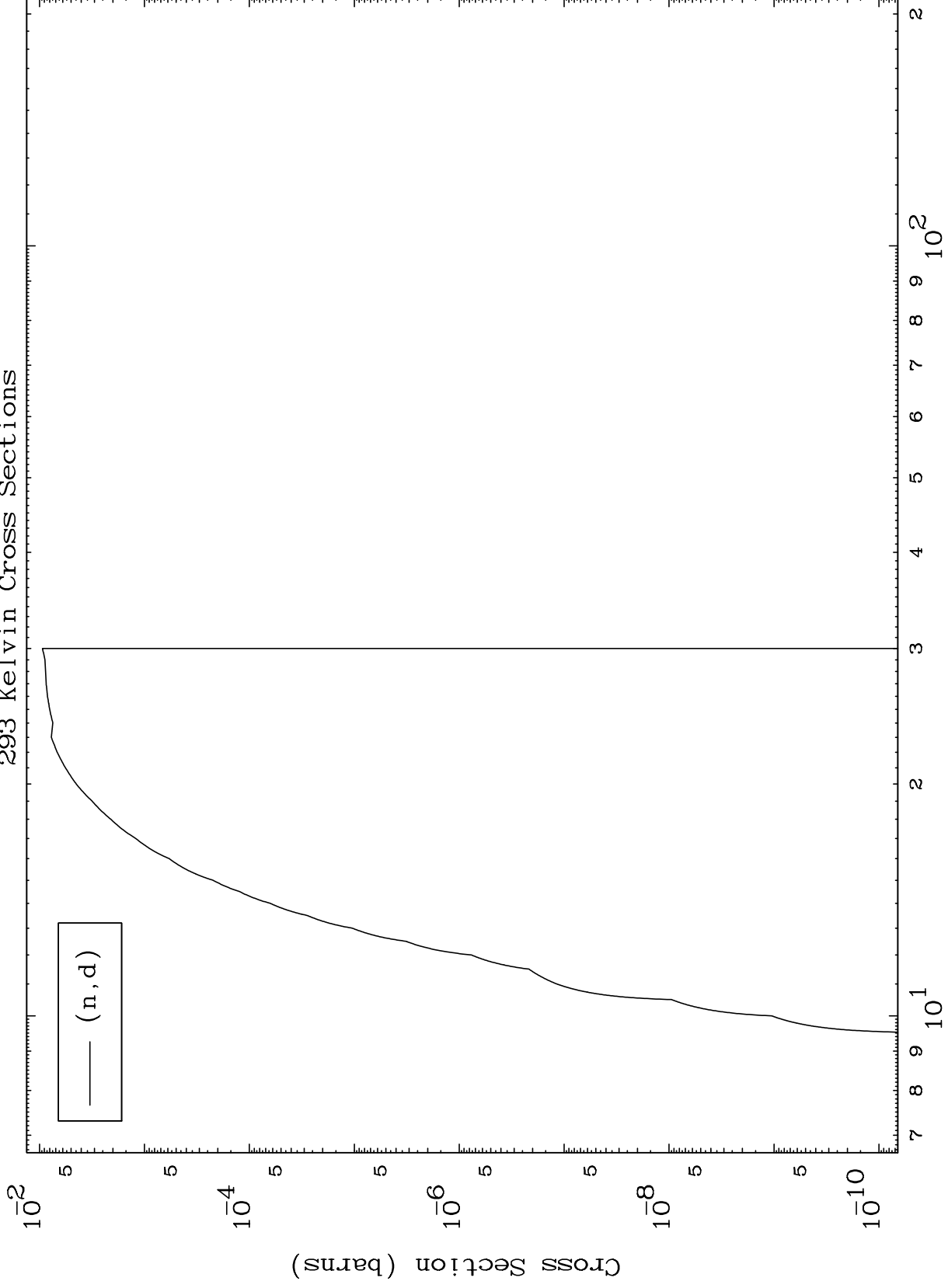
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-131



11

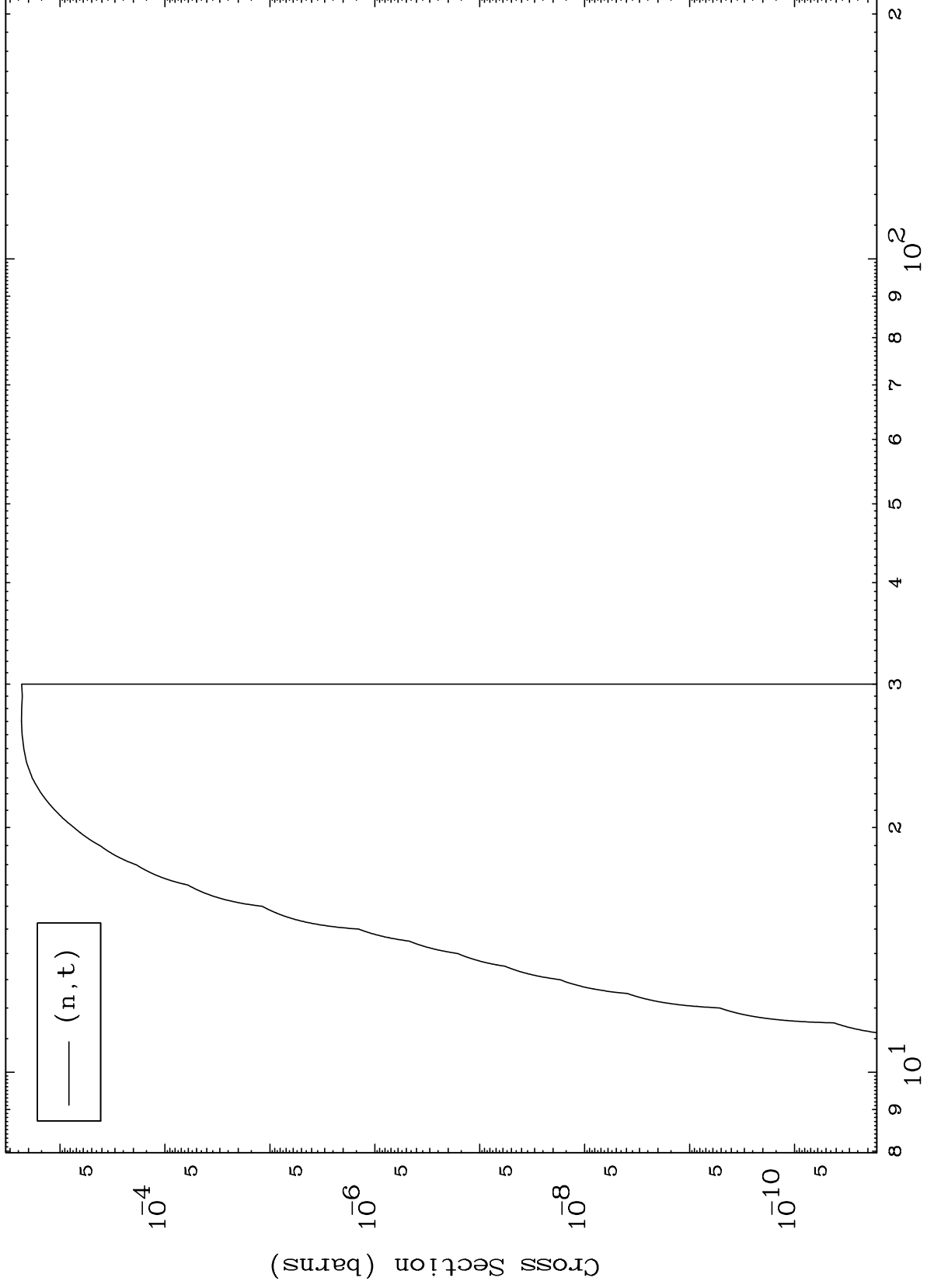
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-131



12

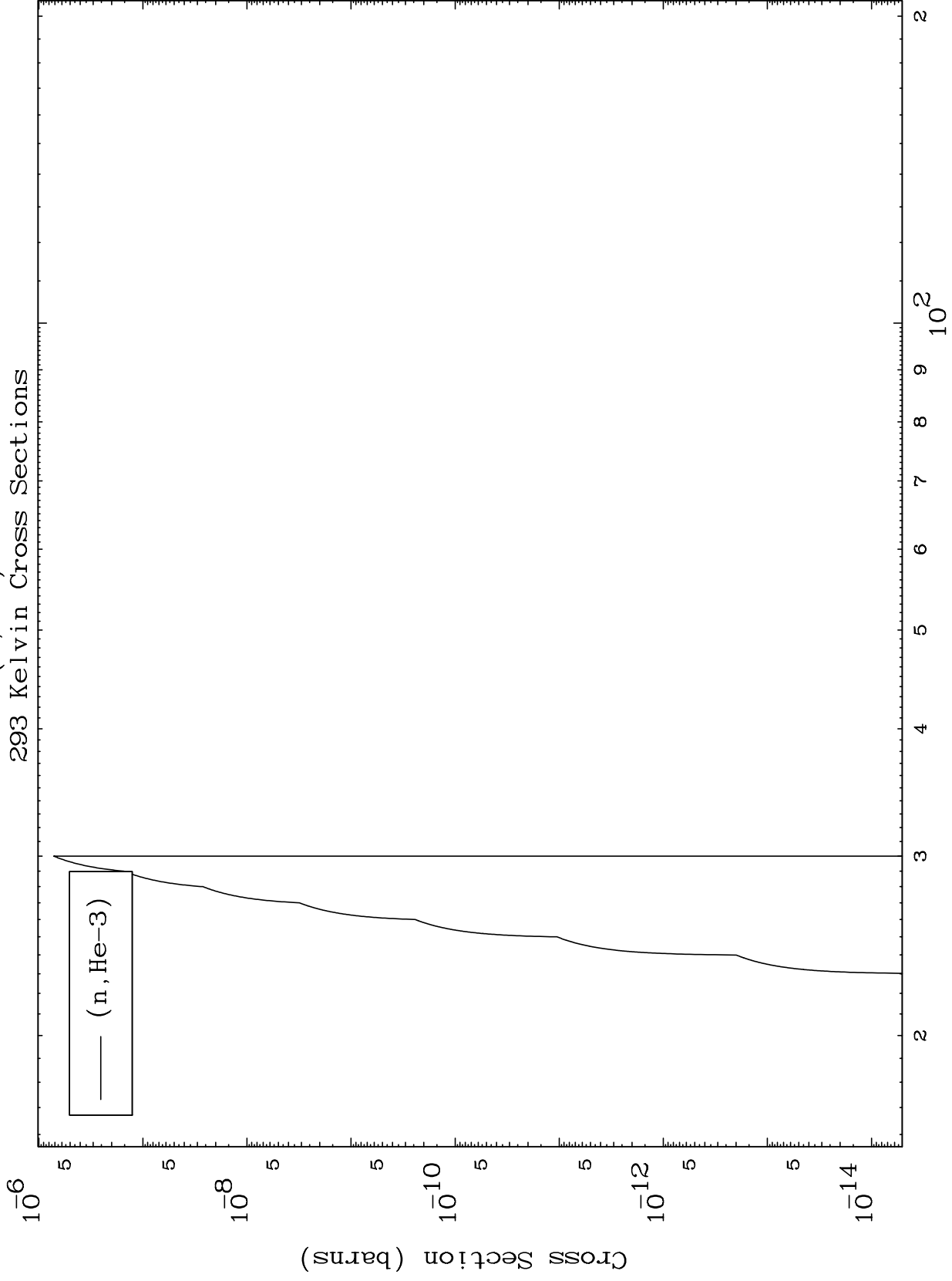
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-131



13

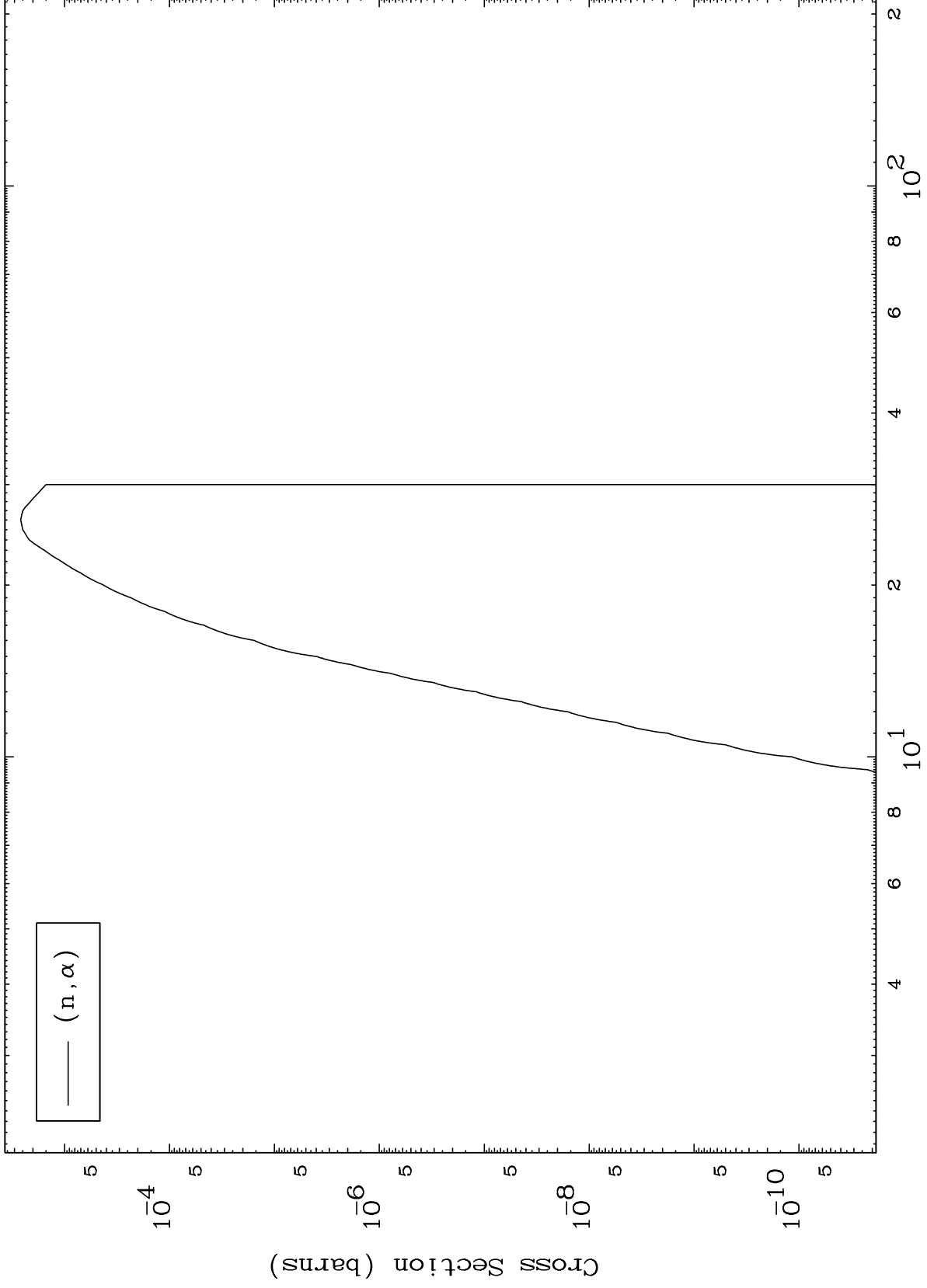
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

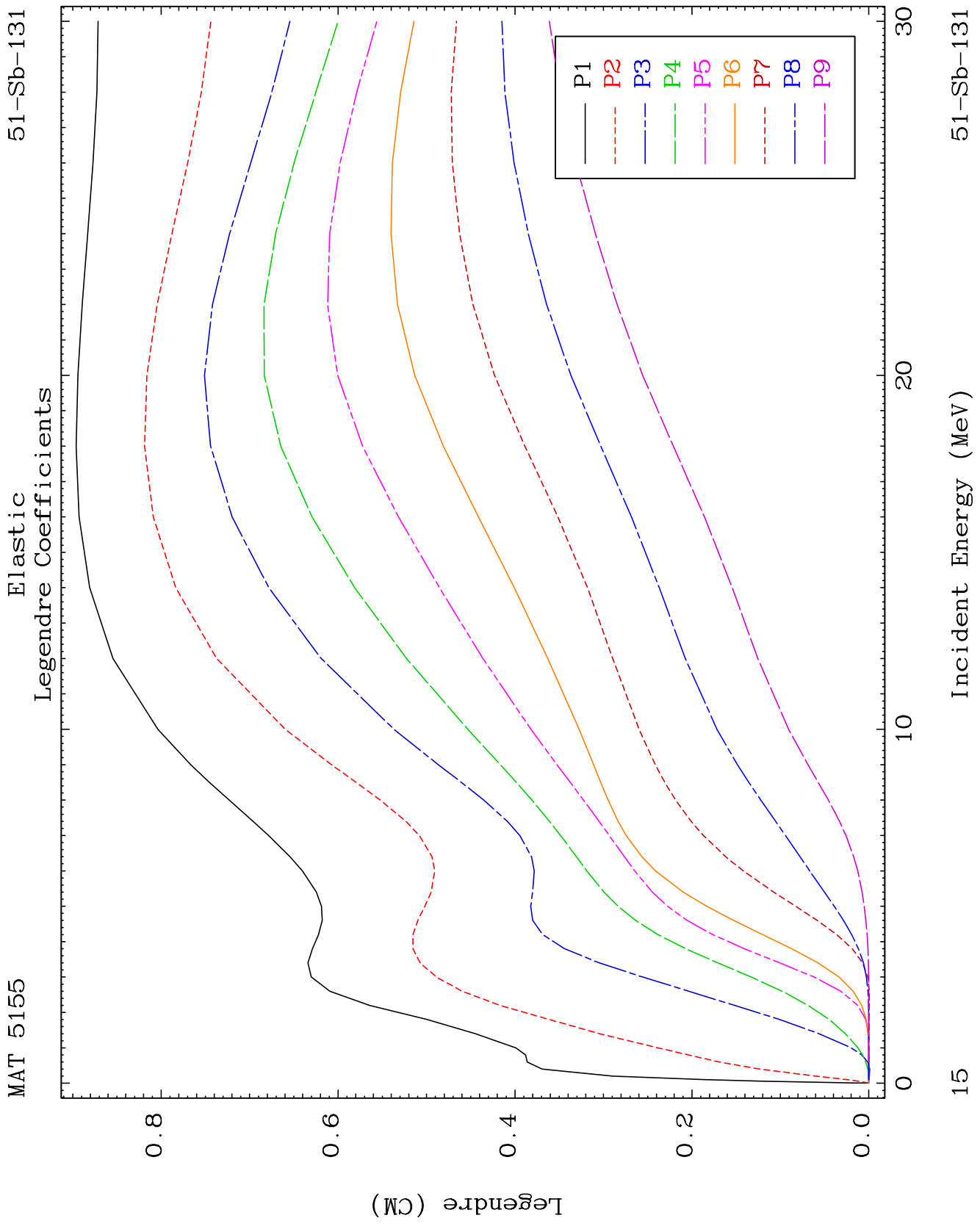
51-Sb-131



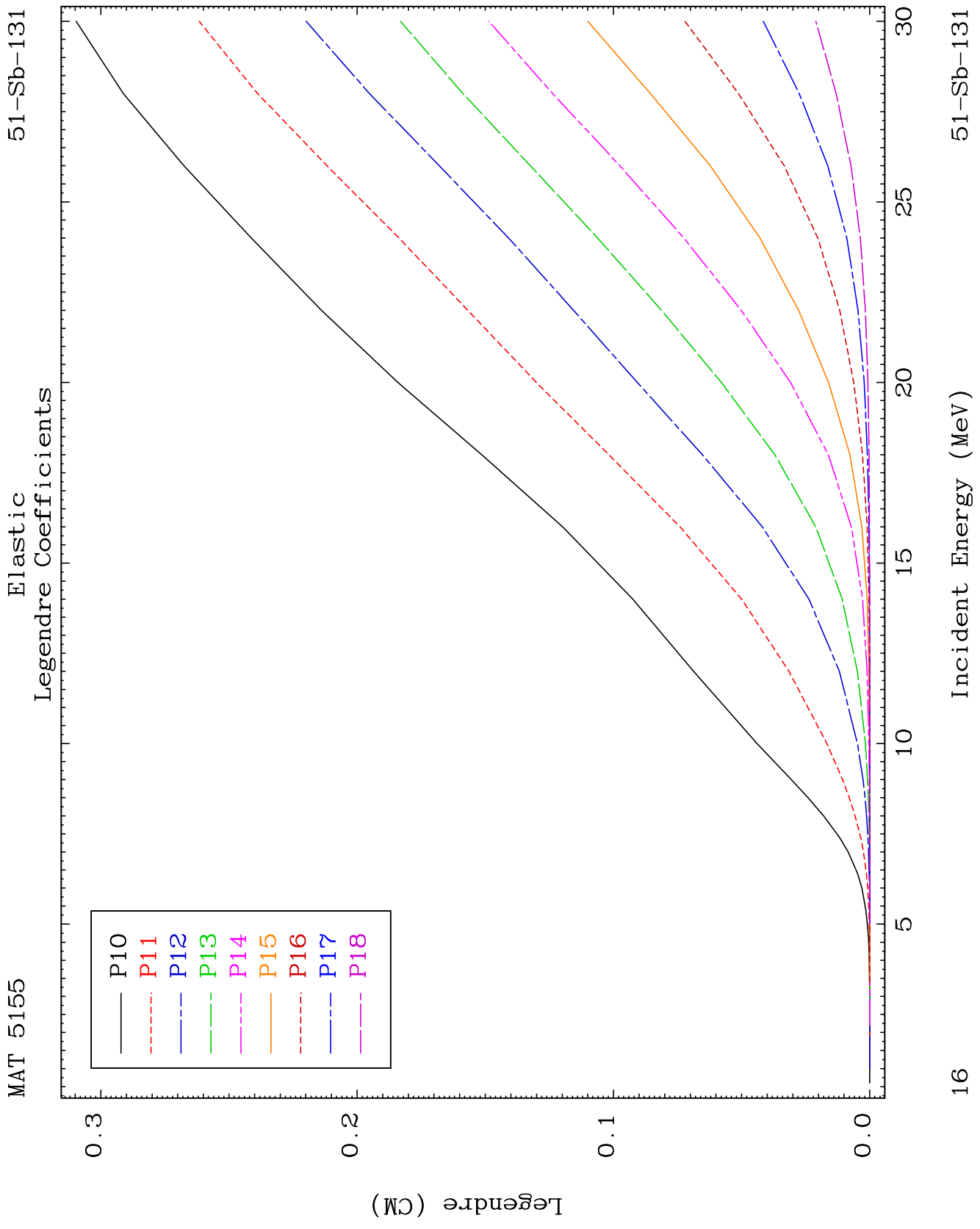
14

Incident Energy (MeV)

51-Sb-131



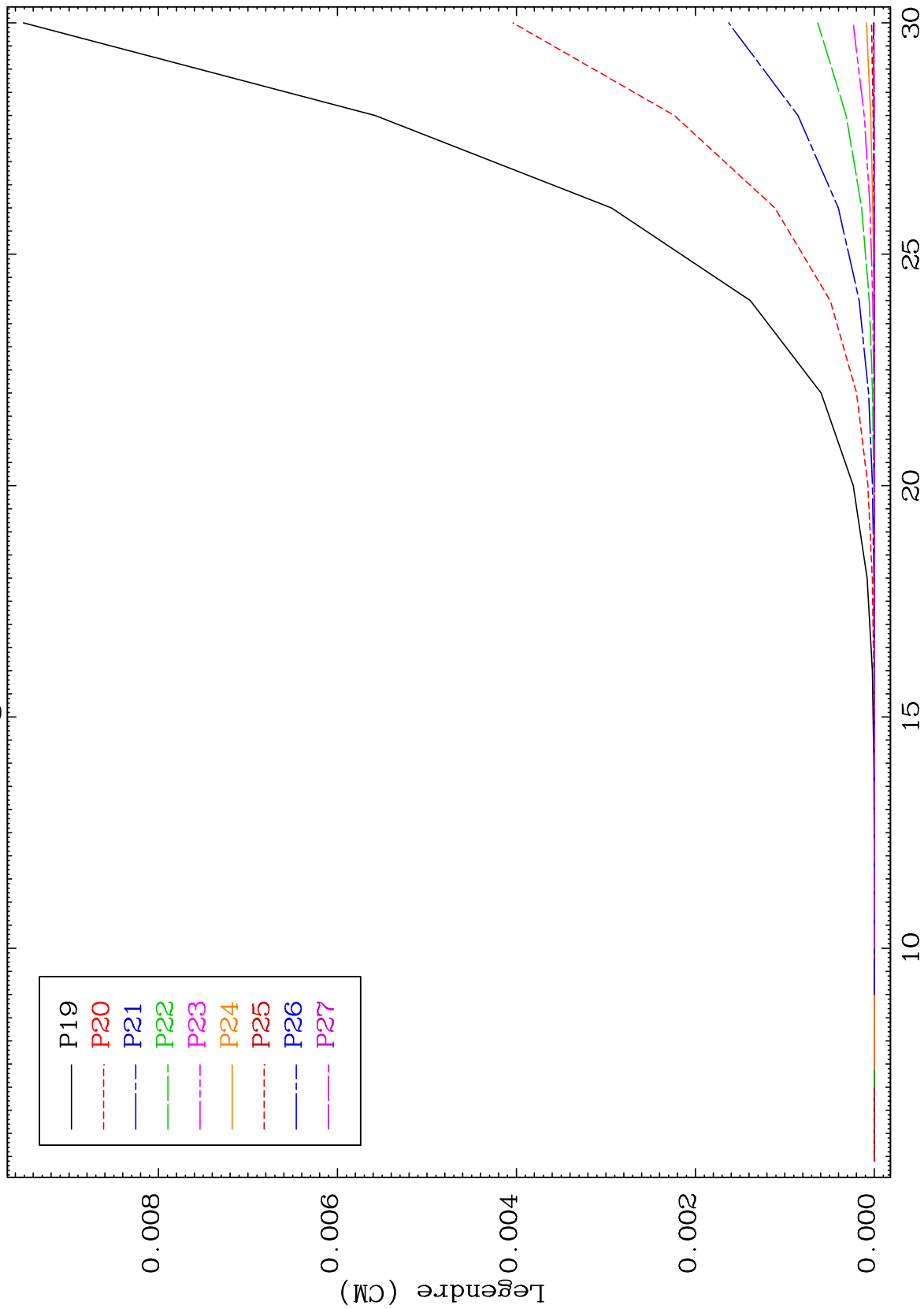




MAT 5155

### Elastic Legendre Coefficients

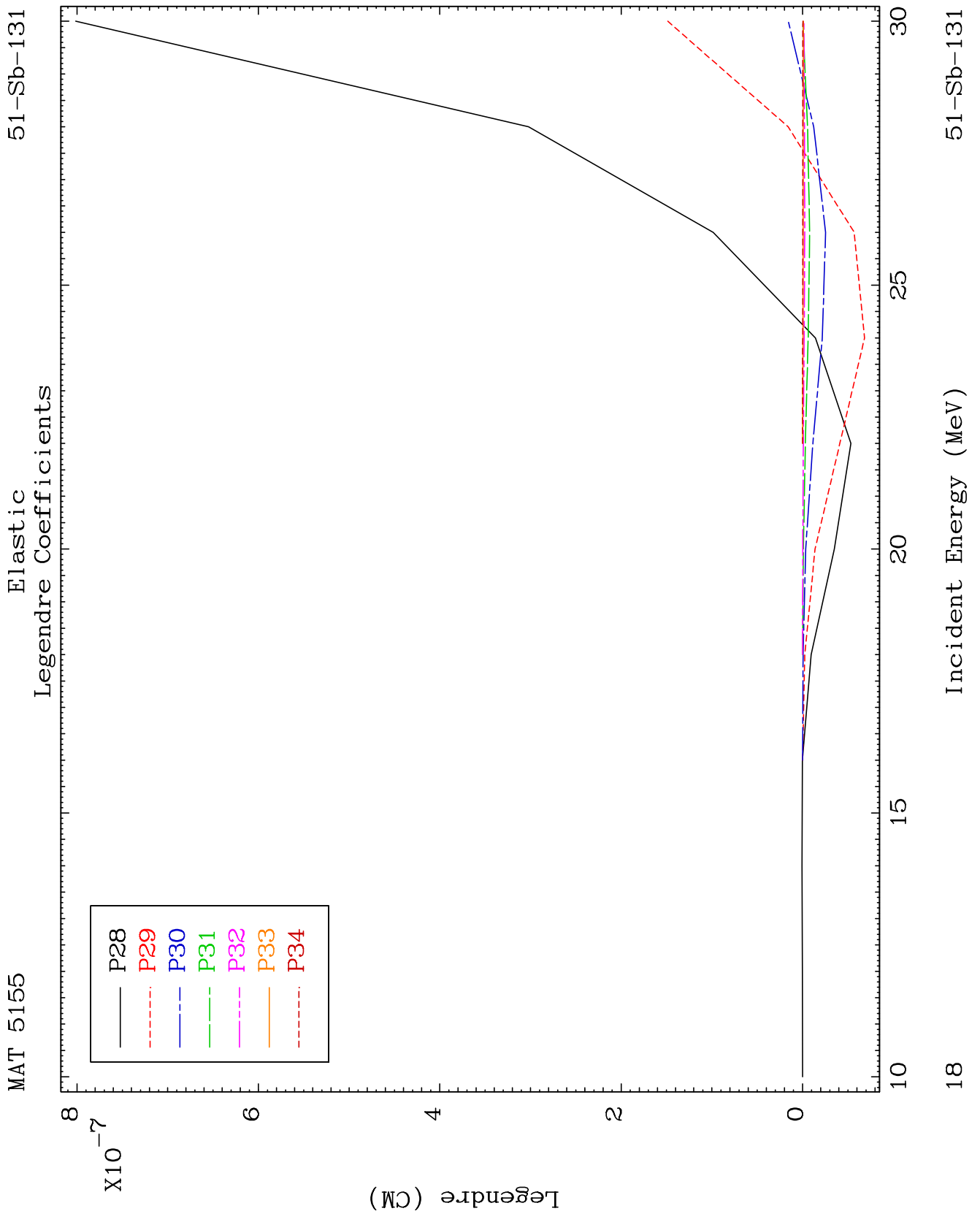
51-Sb-131



17

Incident Energy (MeV)

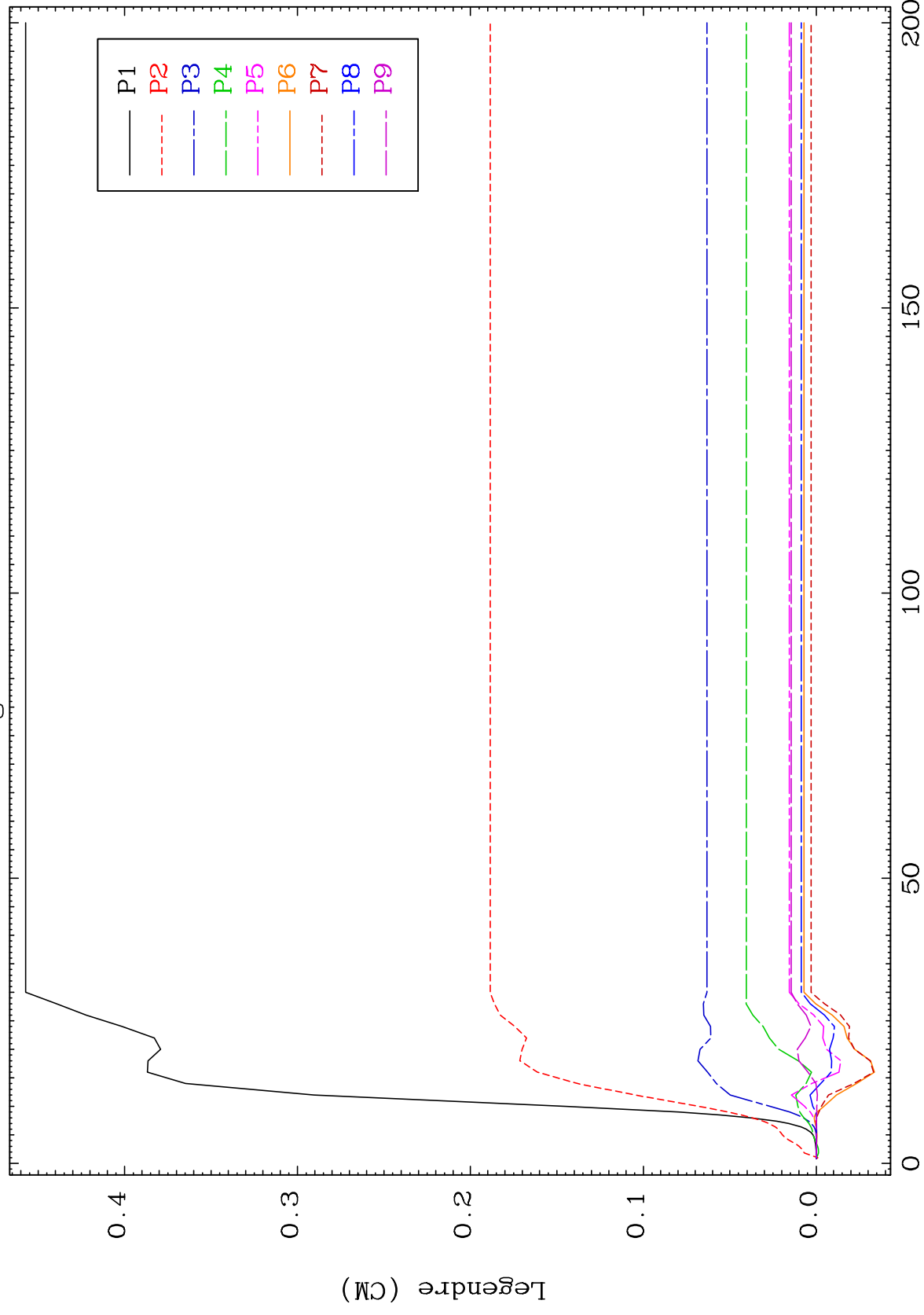
51-Sb-131



MAT 5155

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

51-Sb-131



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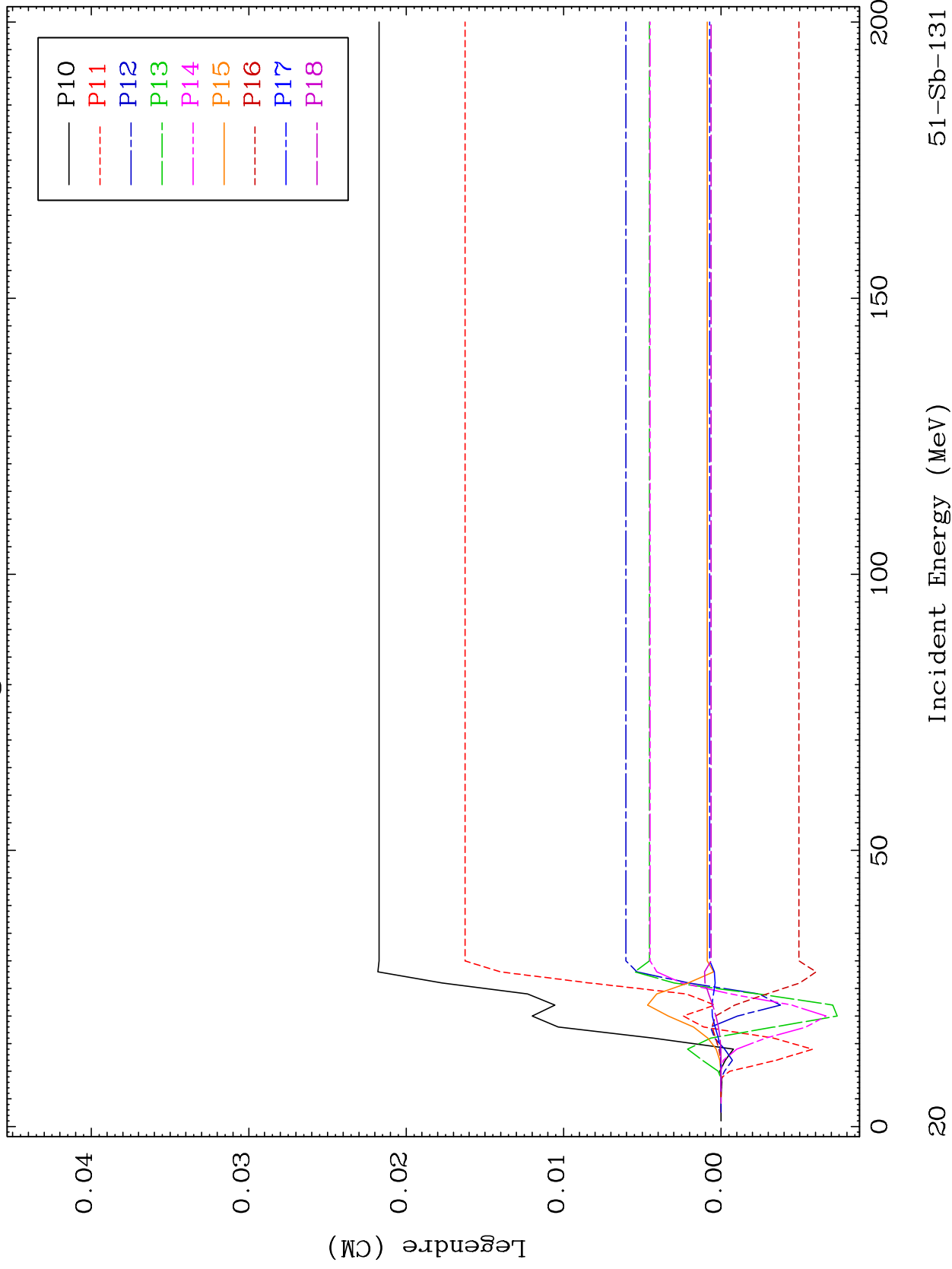
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



51-Sb-131

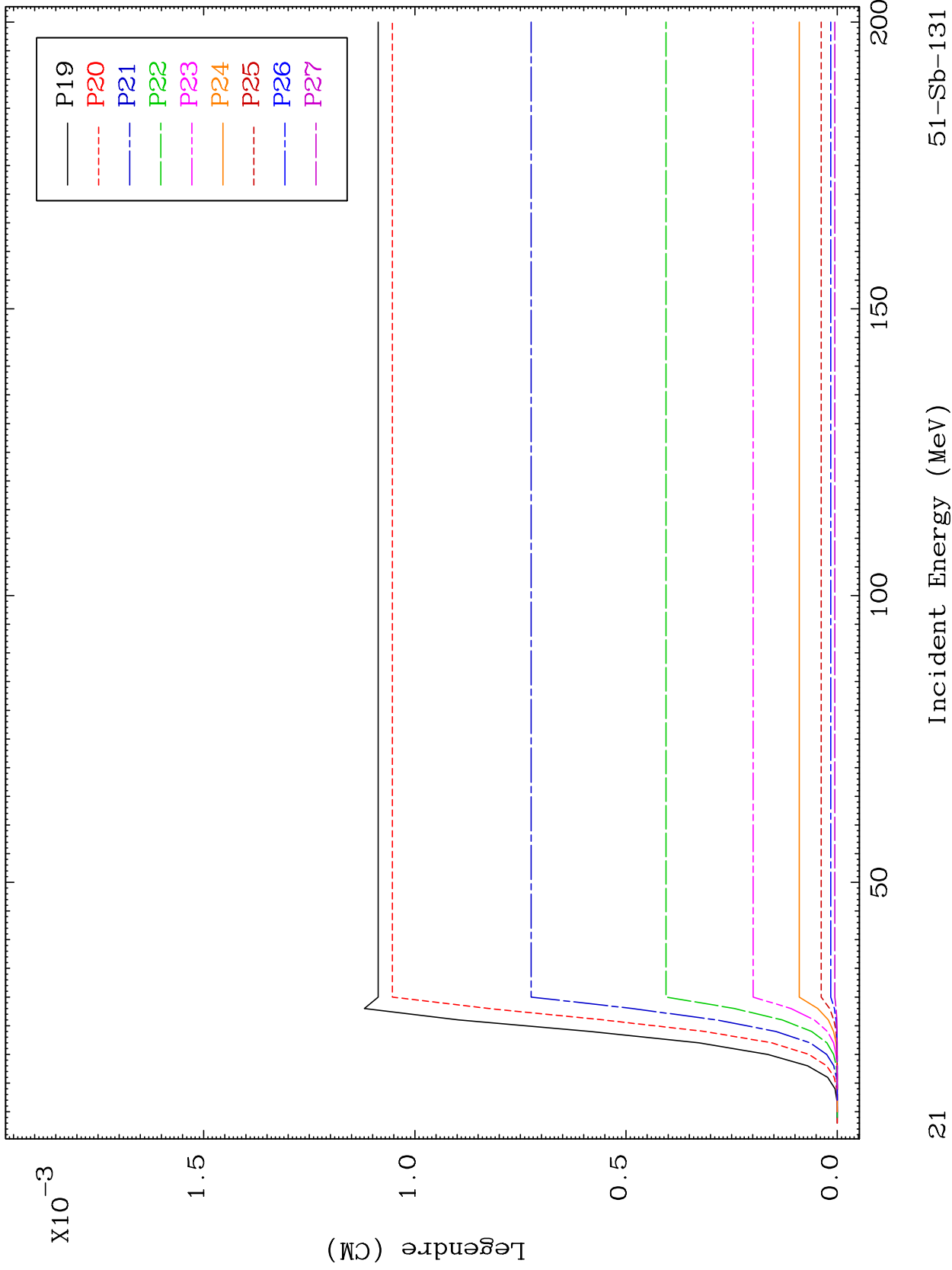
Incident Energy (MeV)

20

MAT 5155

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

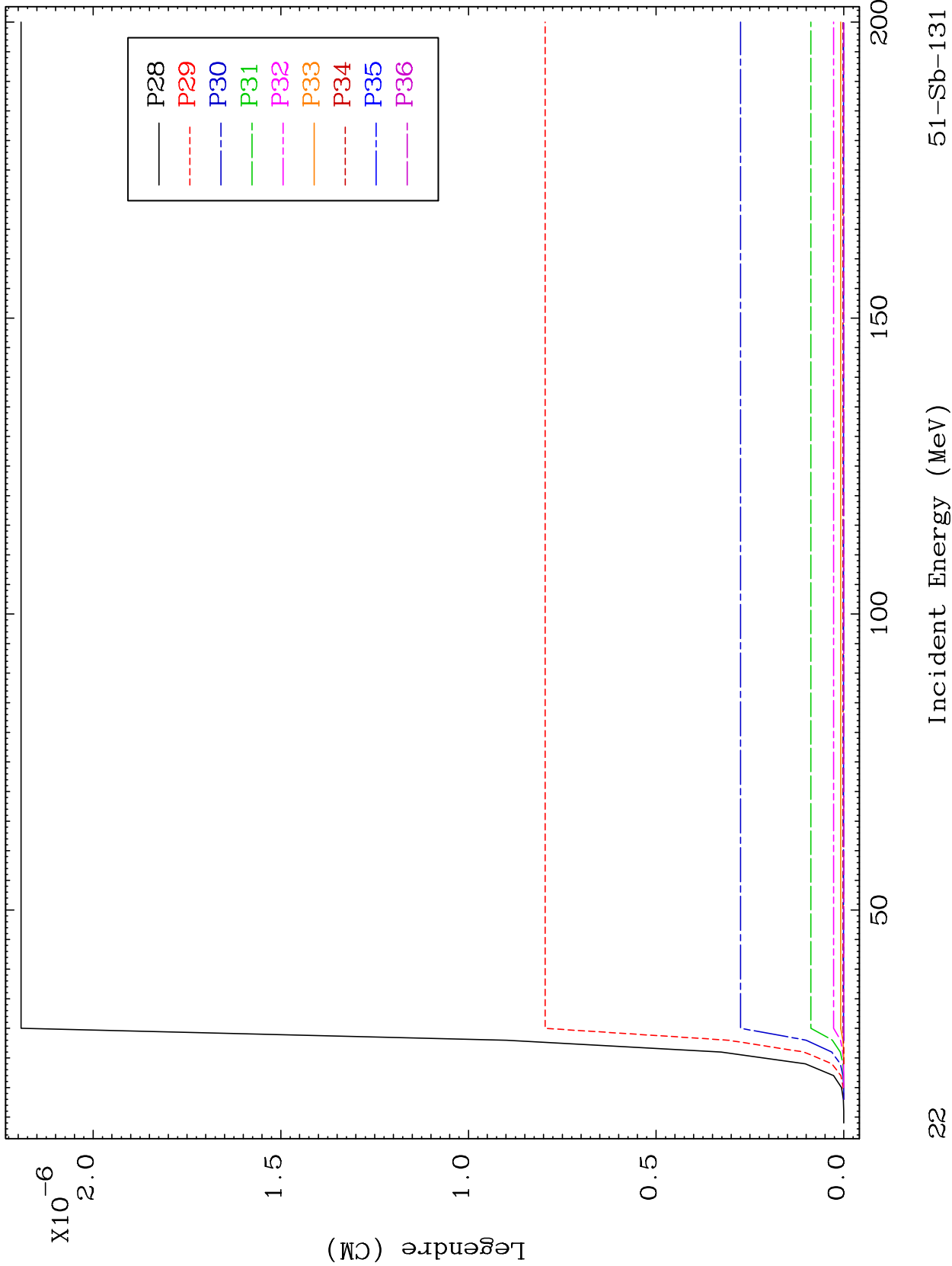
51-Sb-131



MAT 5155

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

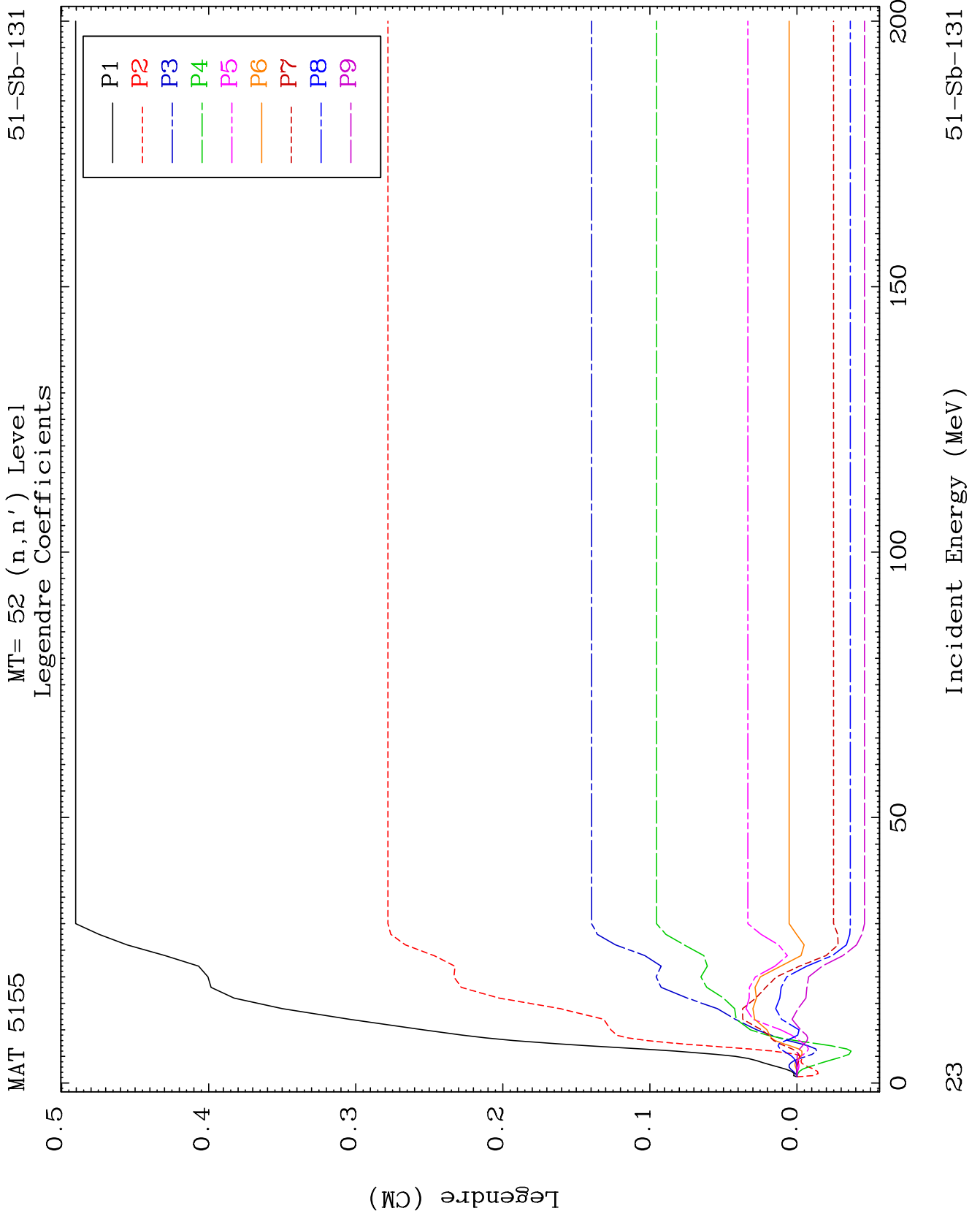
51-Sb-131



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Incident Energy (MeV)

51-Sb-131

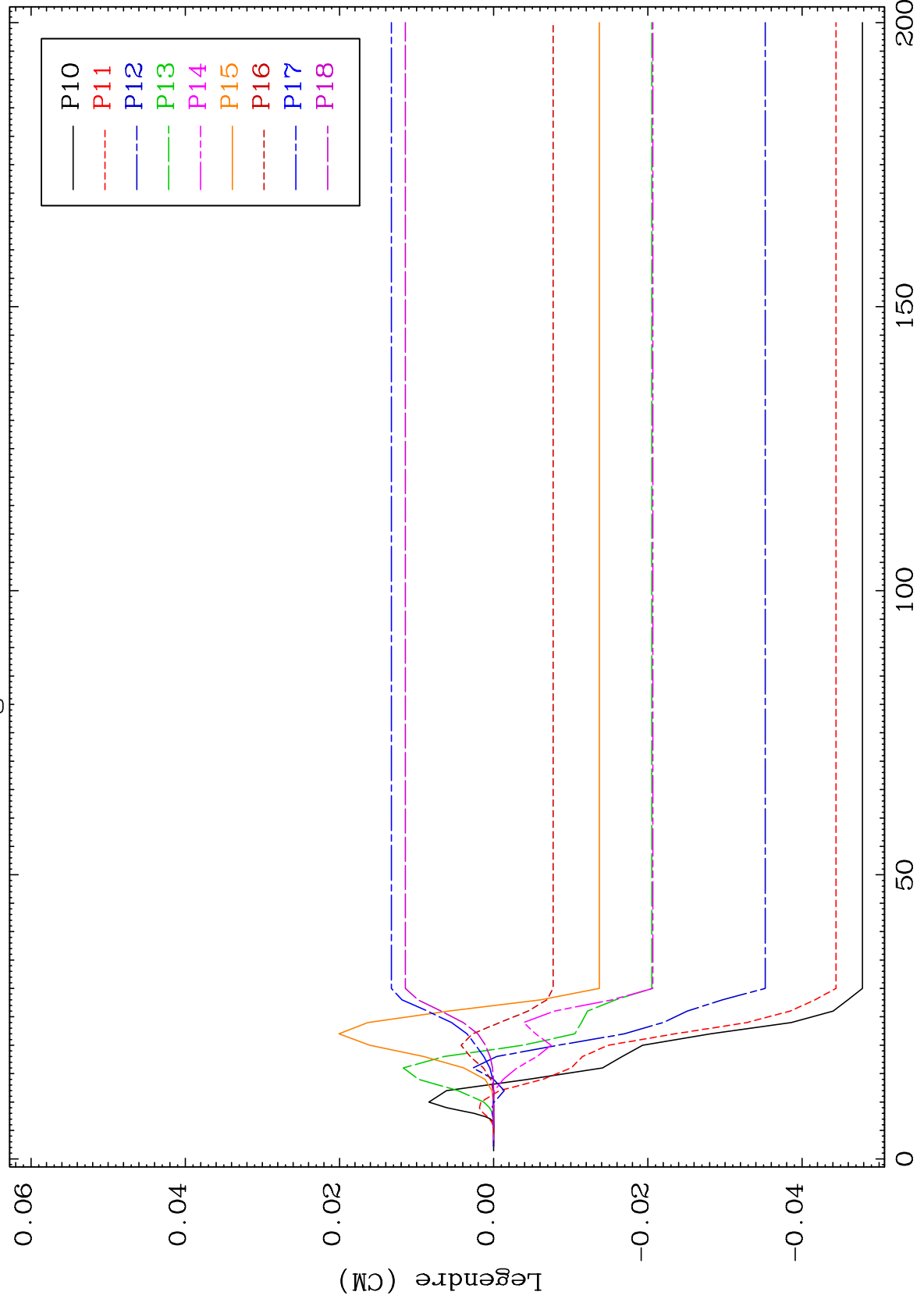




MAT 5155

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

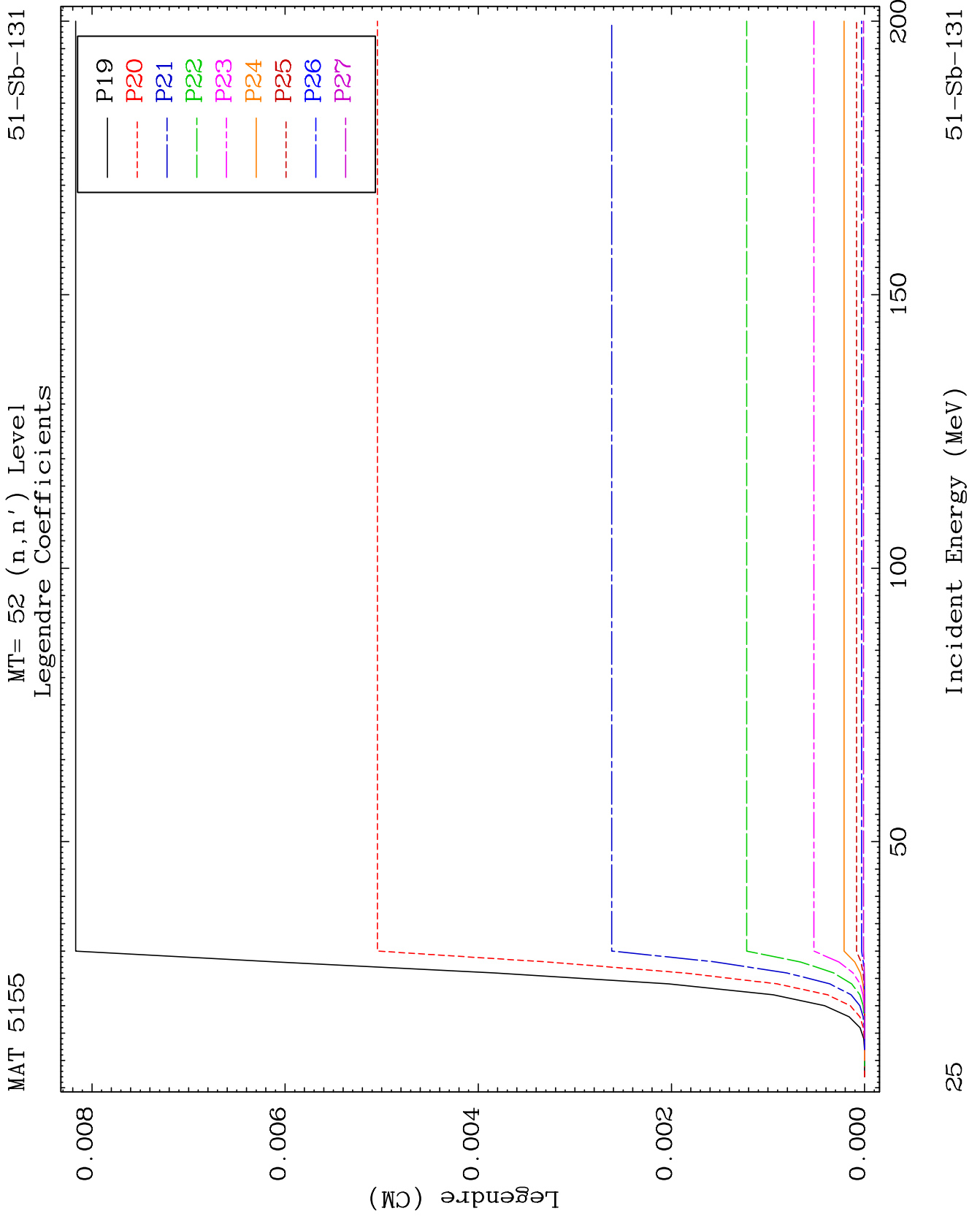
51-Sb-131



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Incident Energy (MeV)

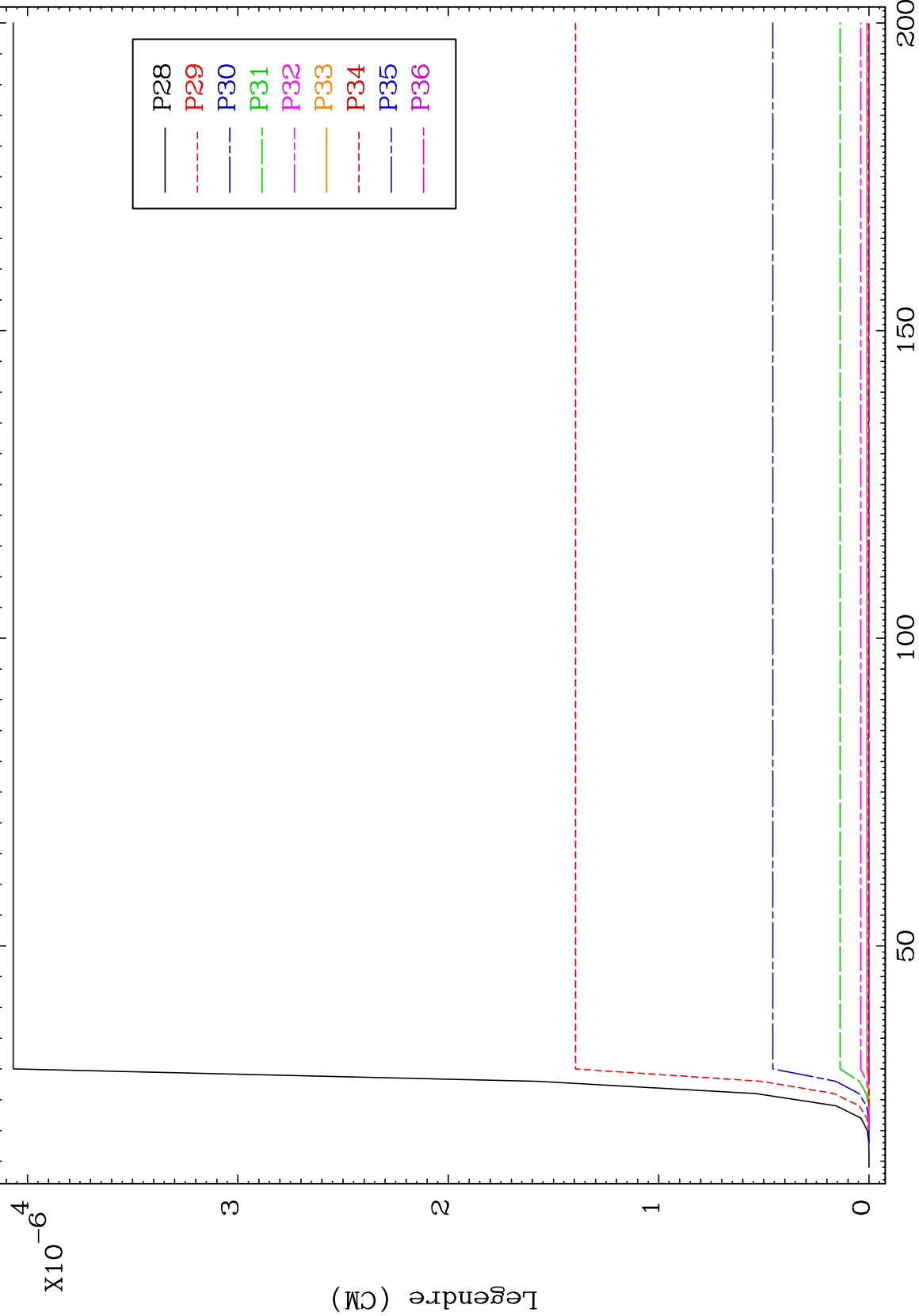
51-Sb-131



MAT 5155

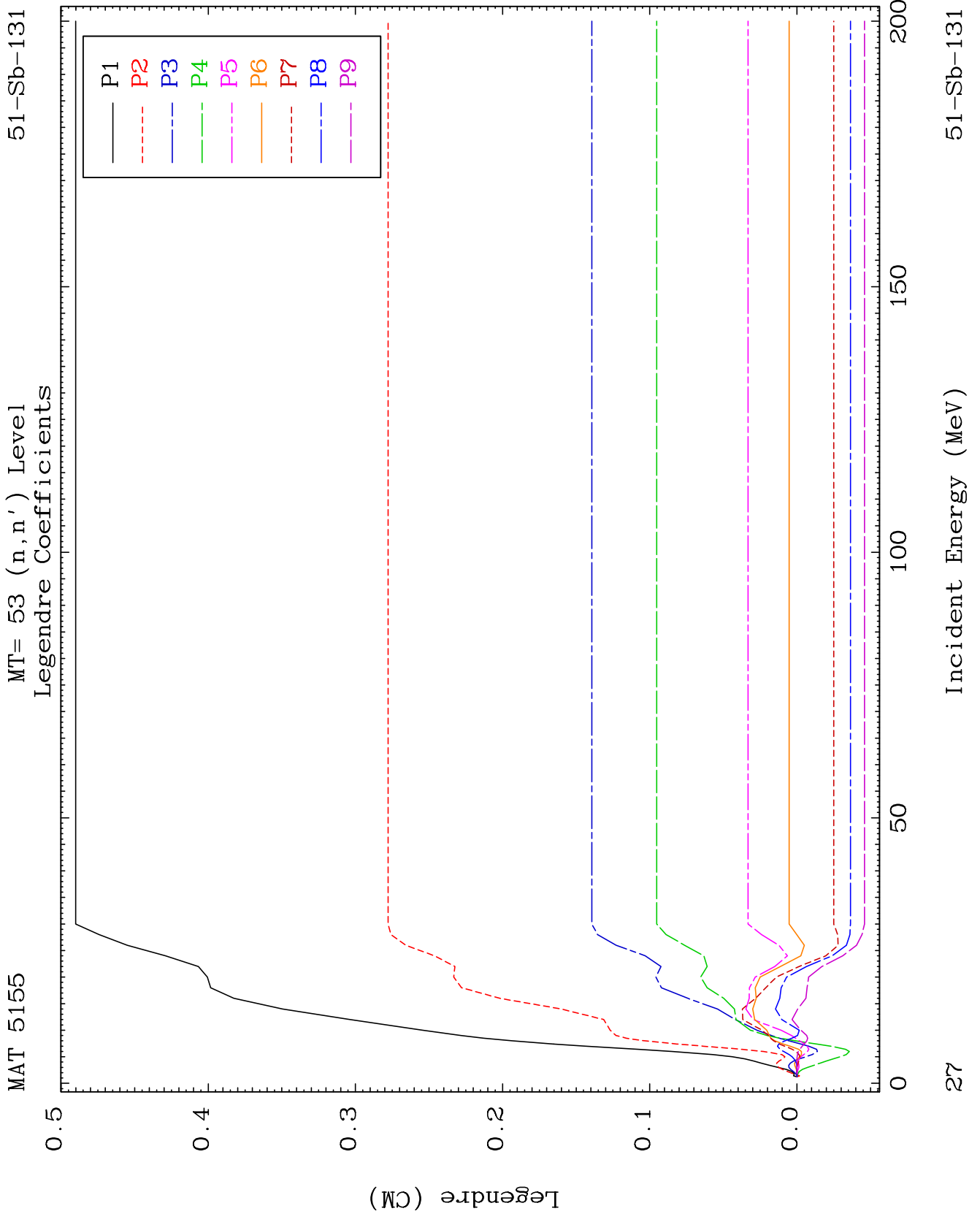
MT= 52 (n,n') Level  
Legendre Coefficients

51-Sb-131



26

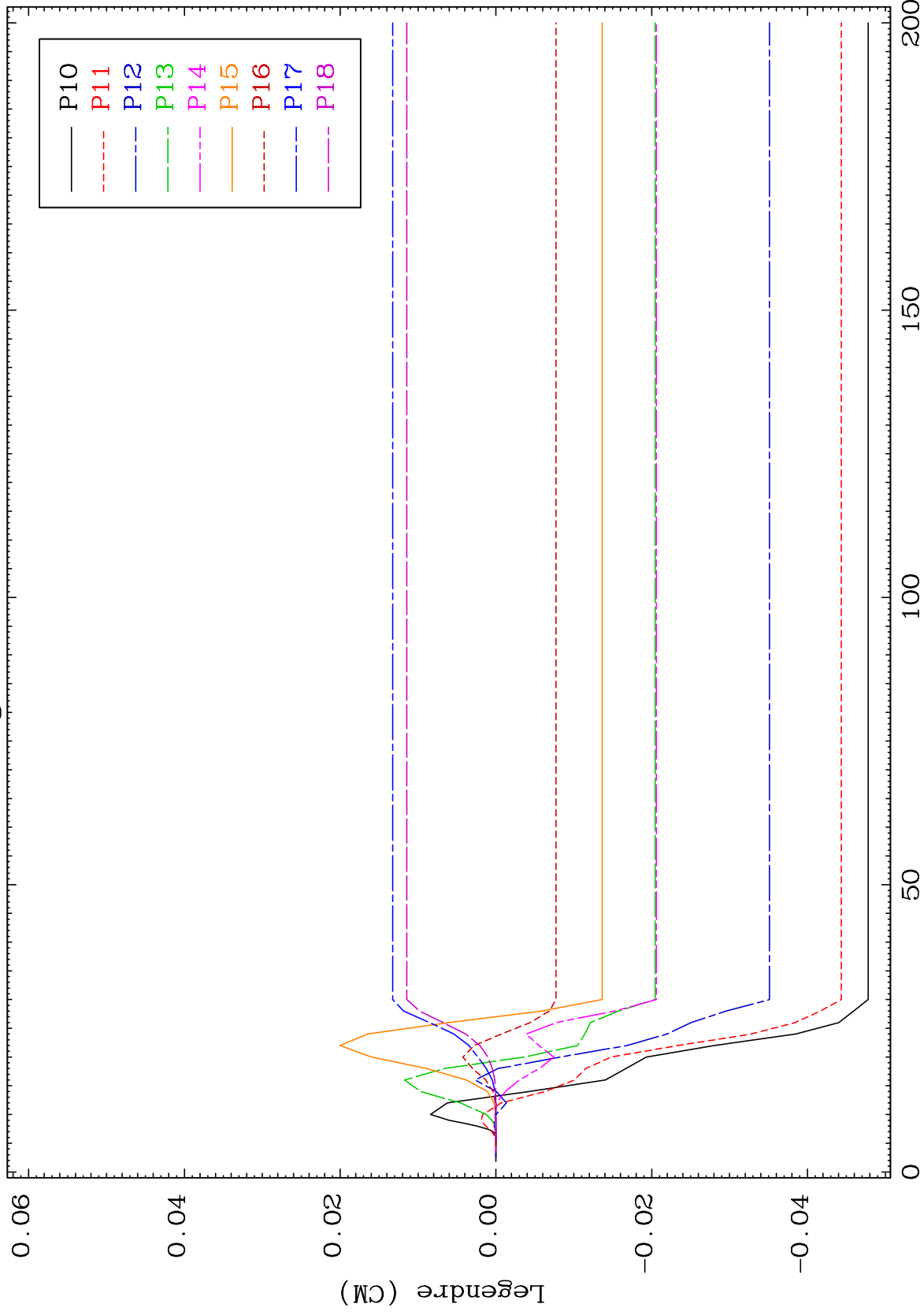
51-Sb-131



MAT 5155

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

51-Sb-131



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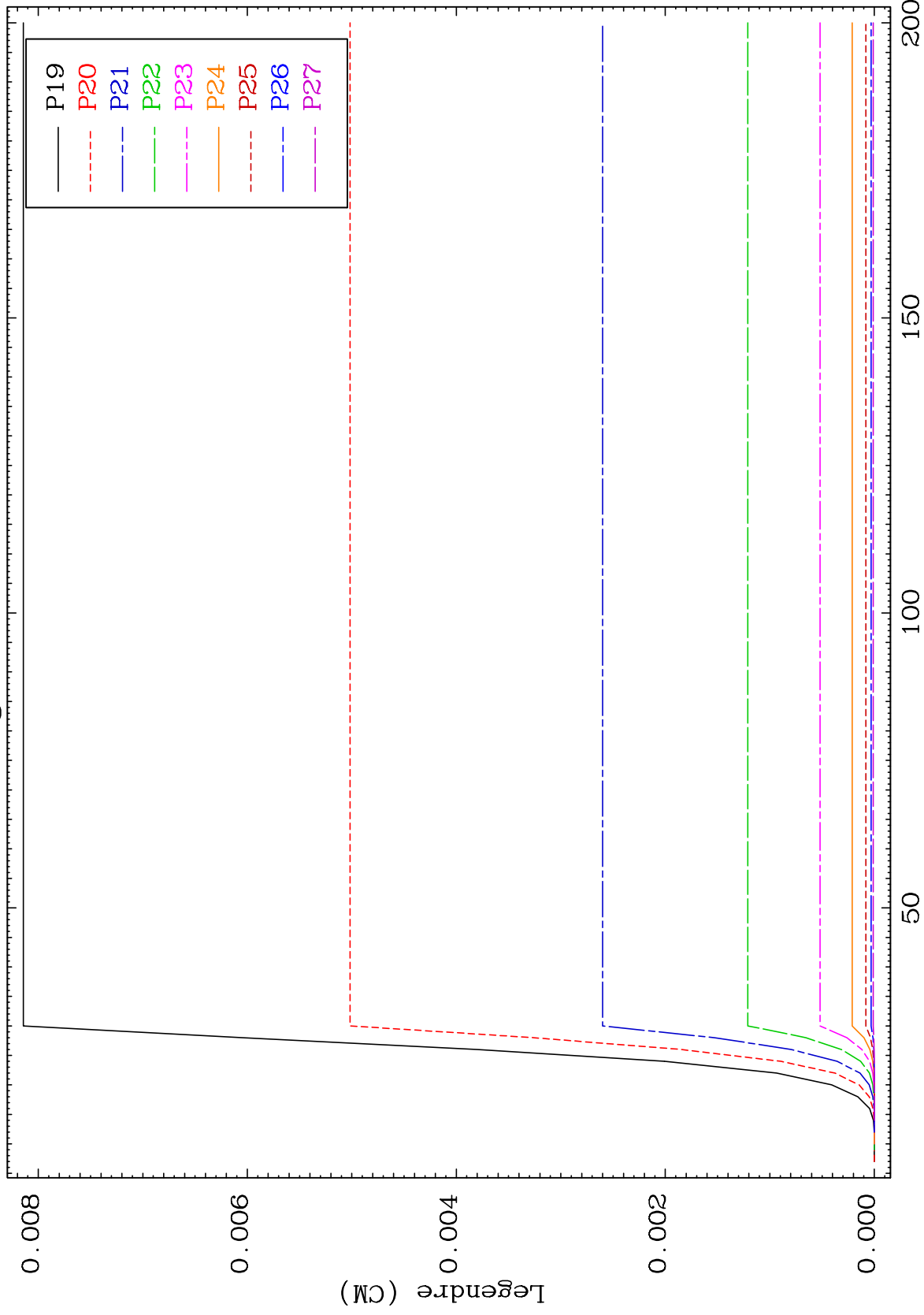
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



29

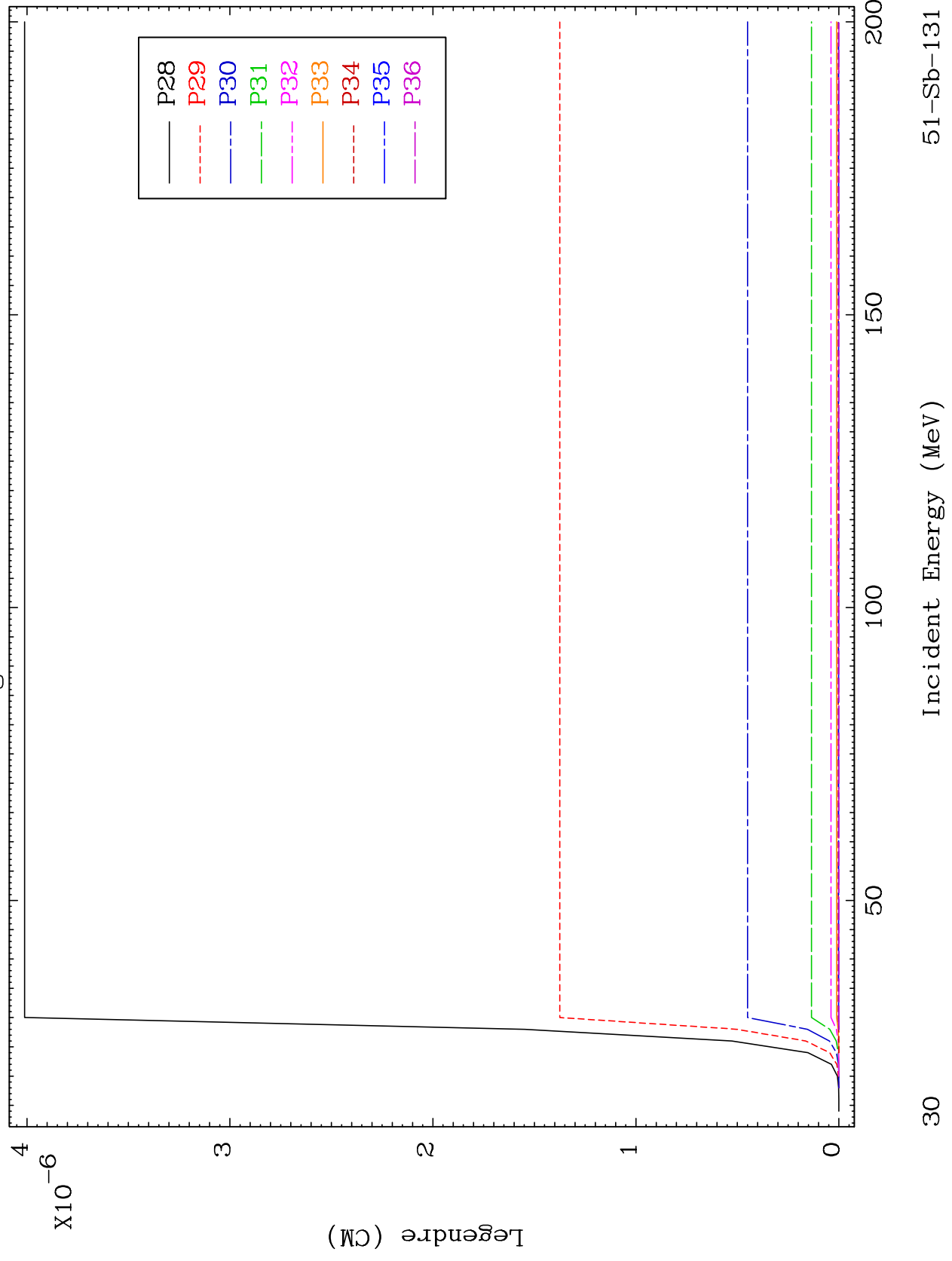
Incident Energy (MeV)

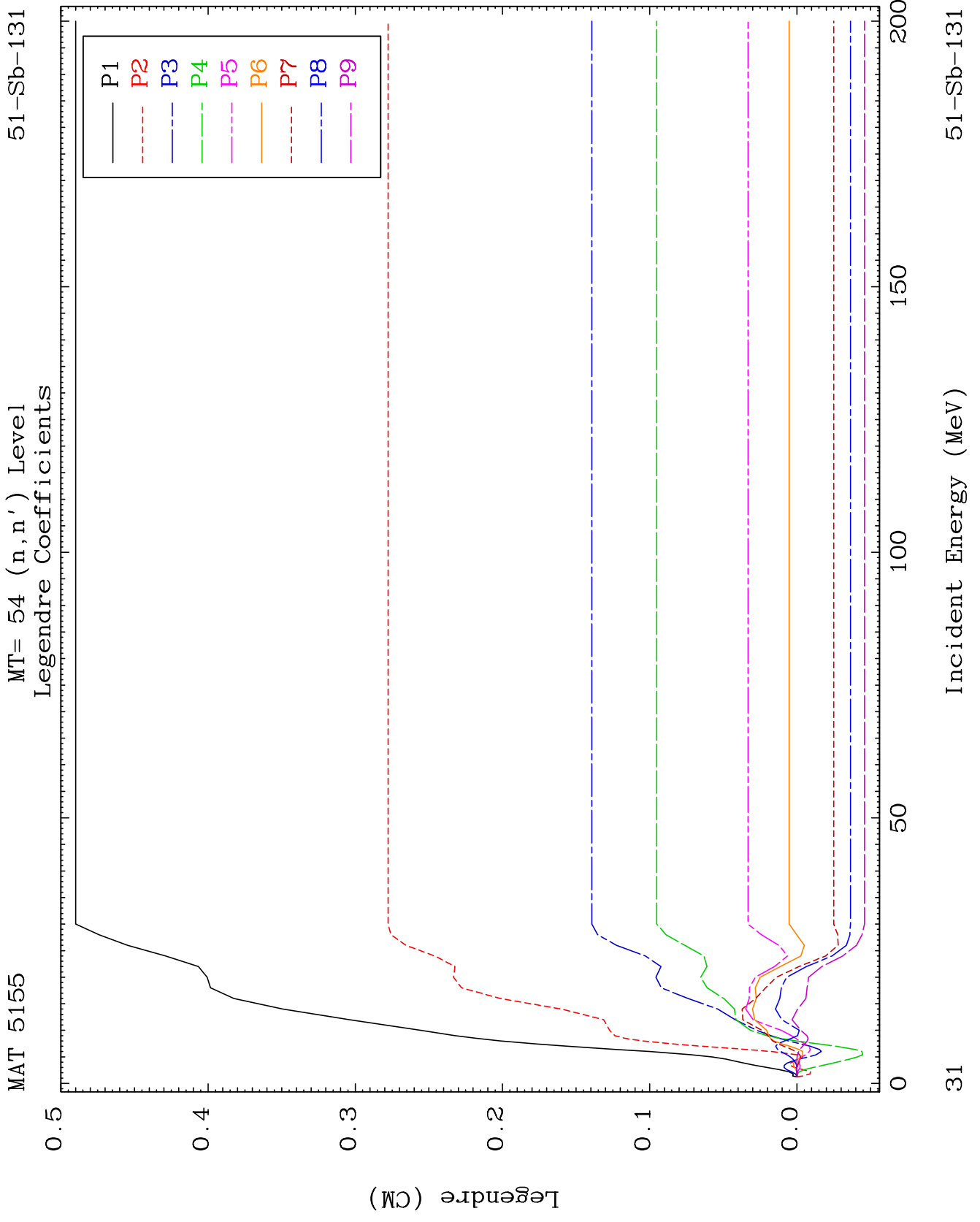
51-Sb-131

MAT 5155

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

51-Sb-131



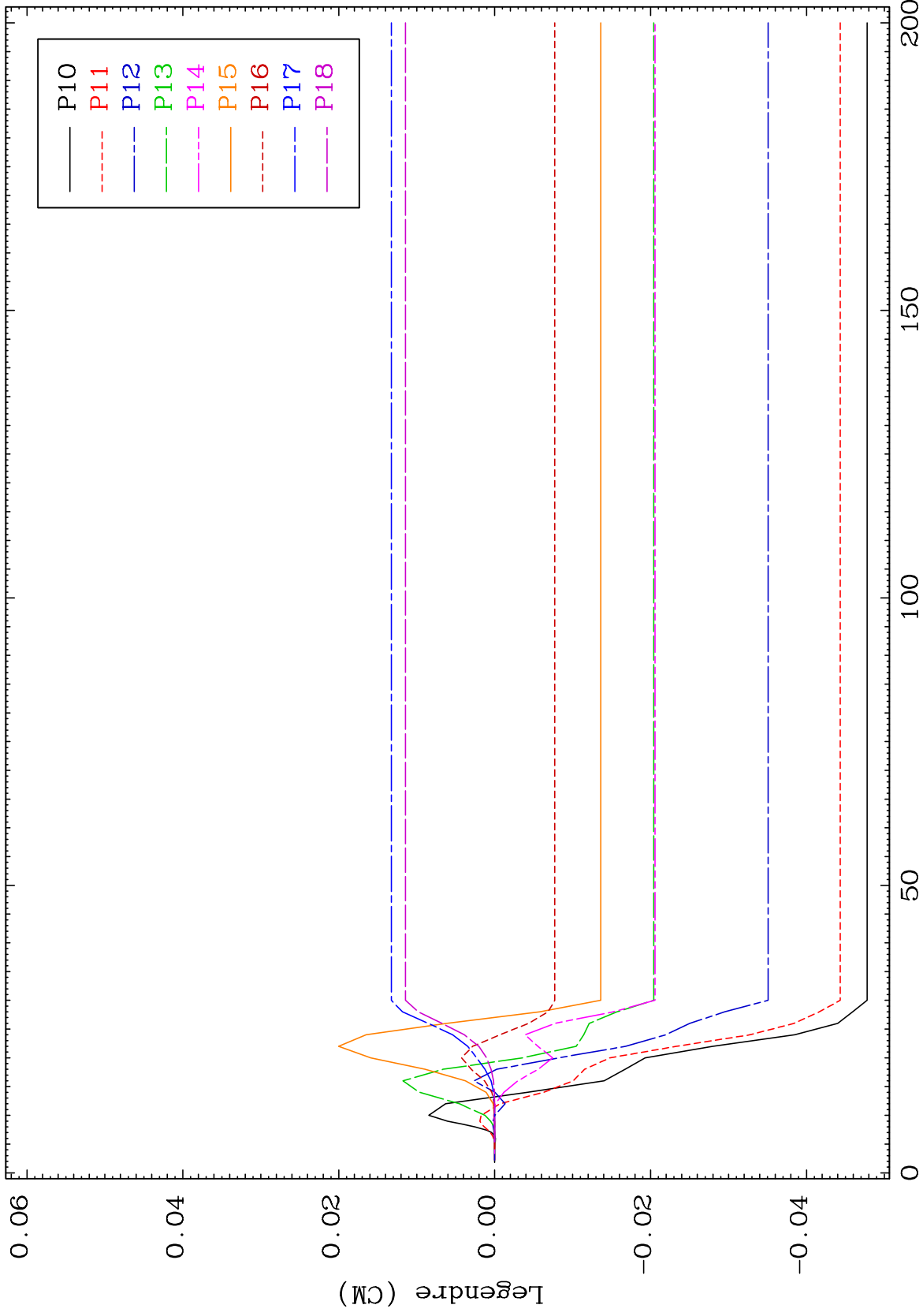




MAT 5155

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

51-Sb-131



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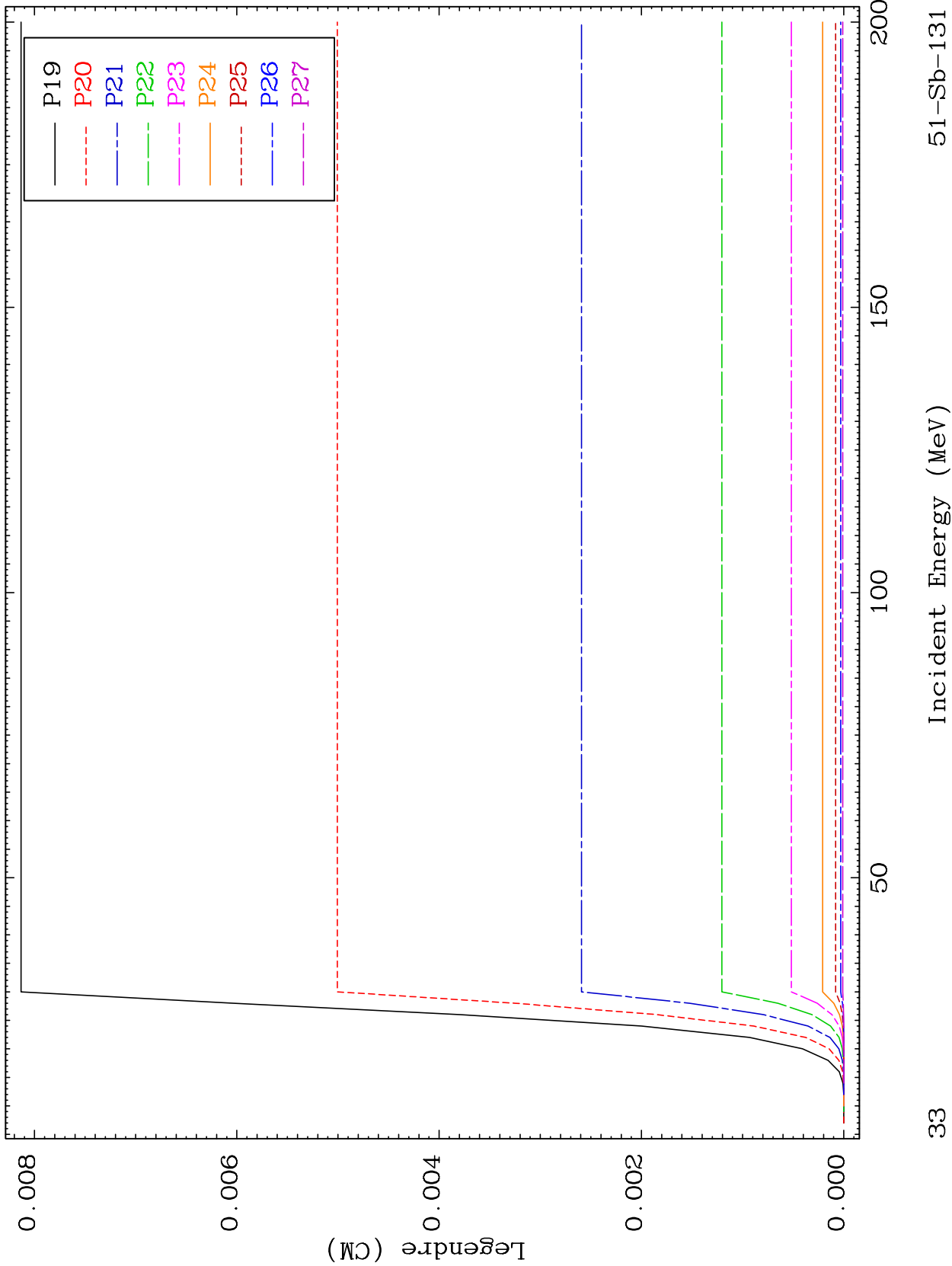
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



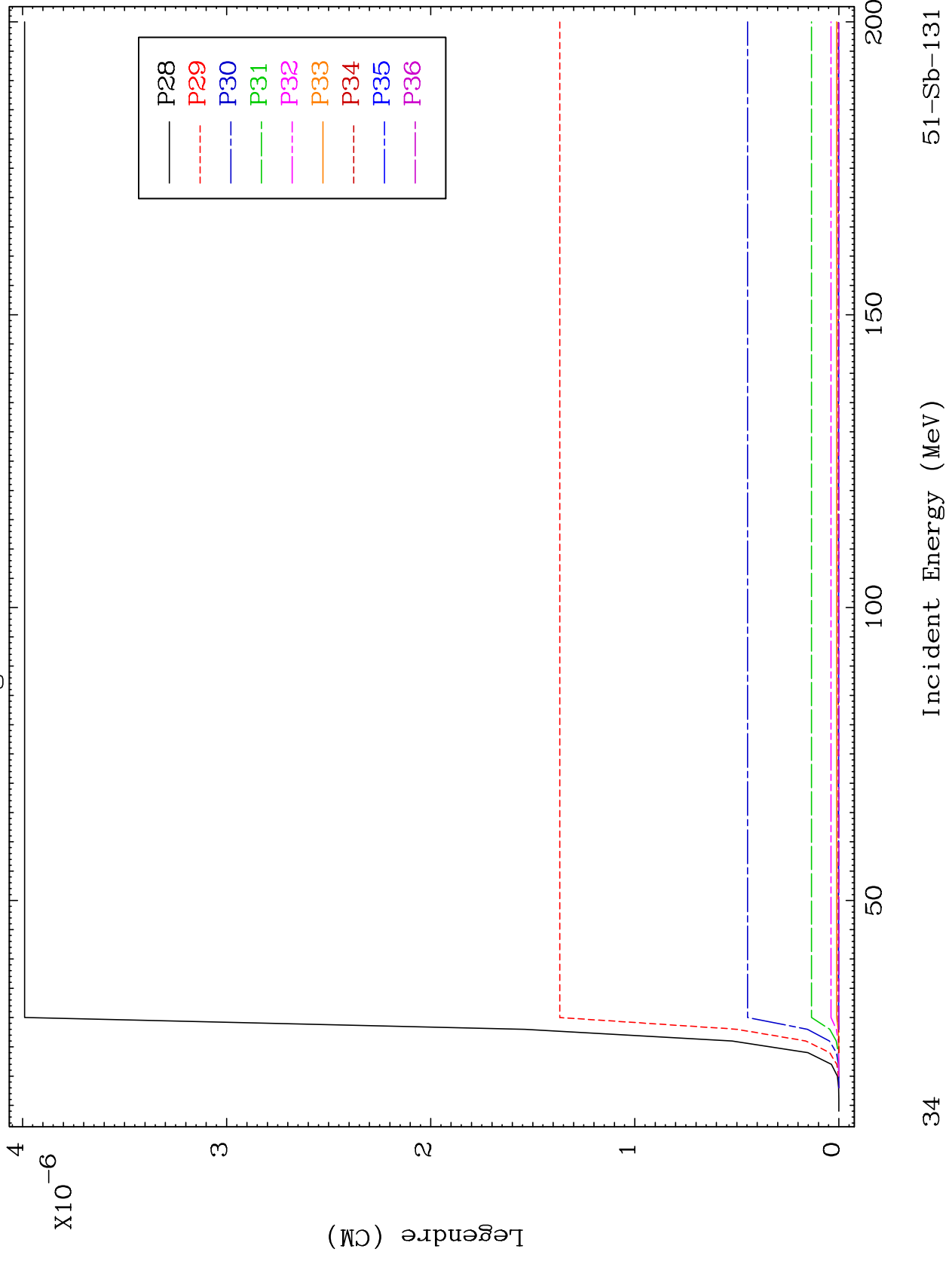
33

51-Sb-131

MAT 5155

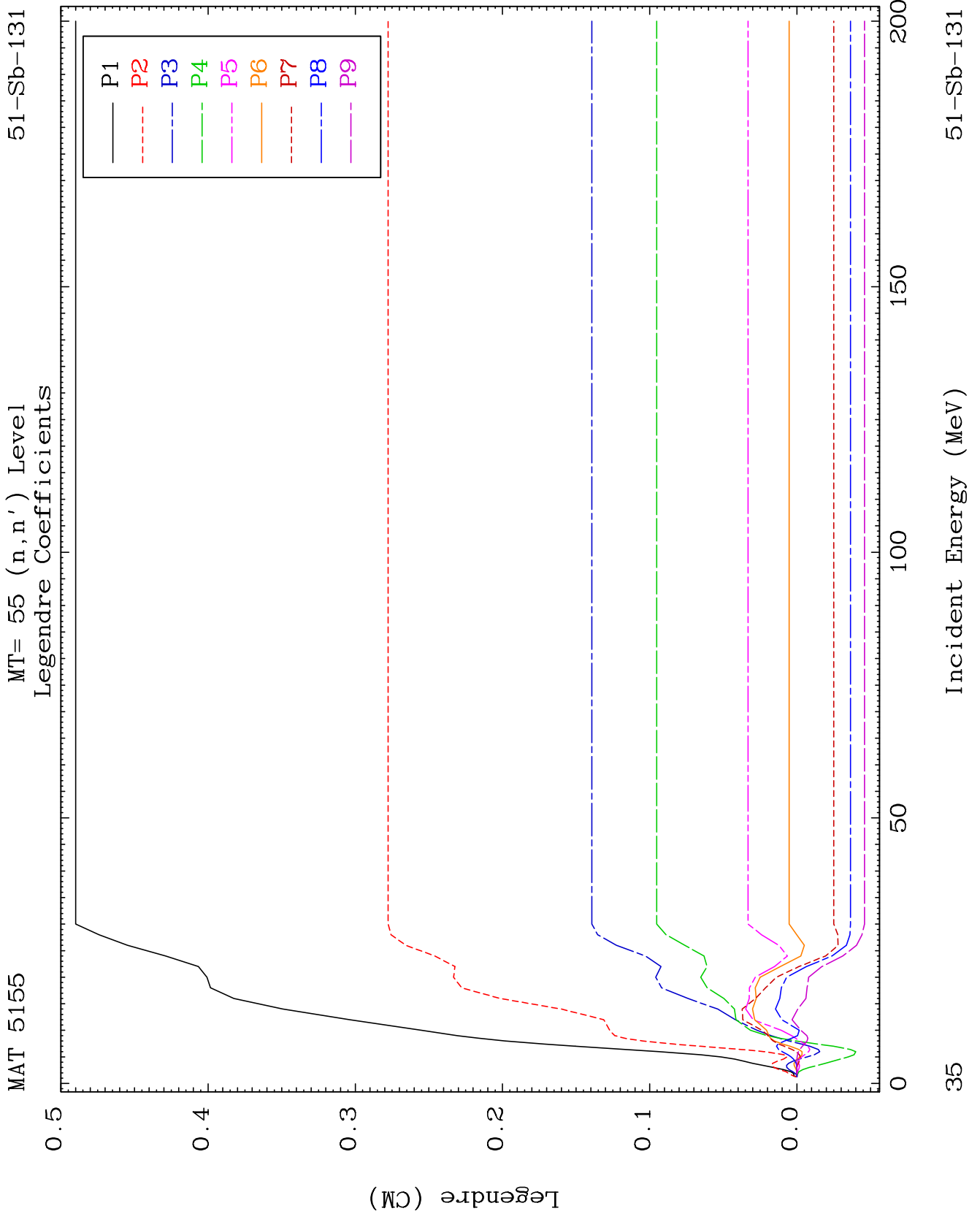
MT= 54 (n,n') Level  
Legendre Coefficients

51-Sb-131



34

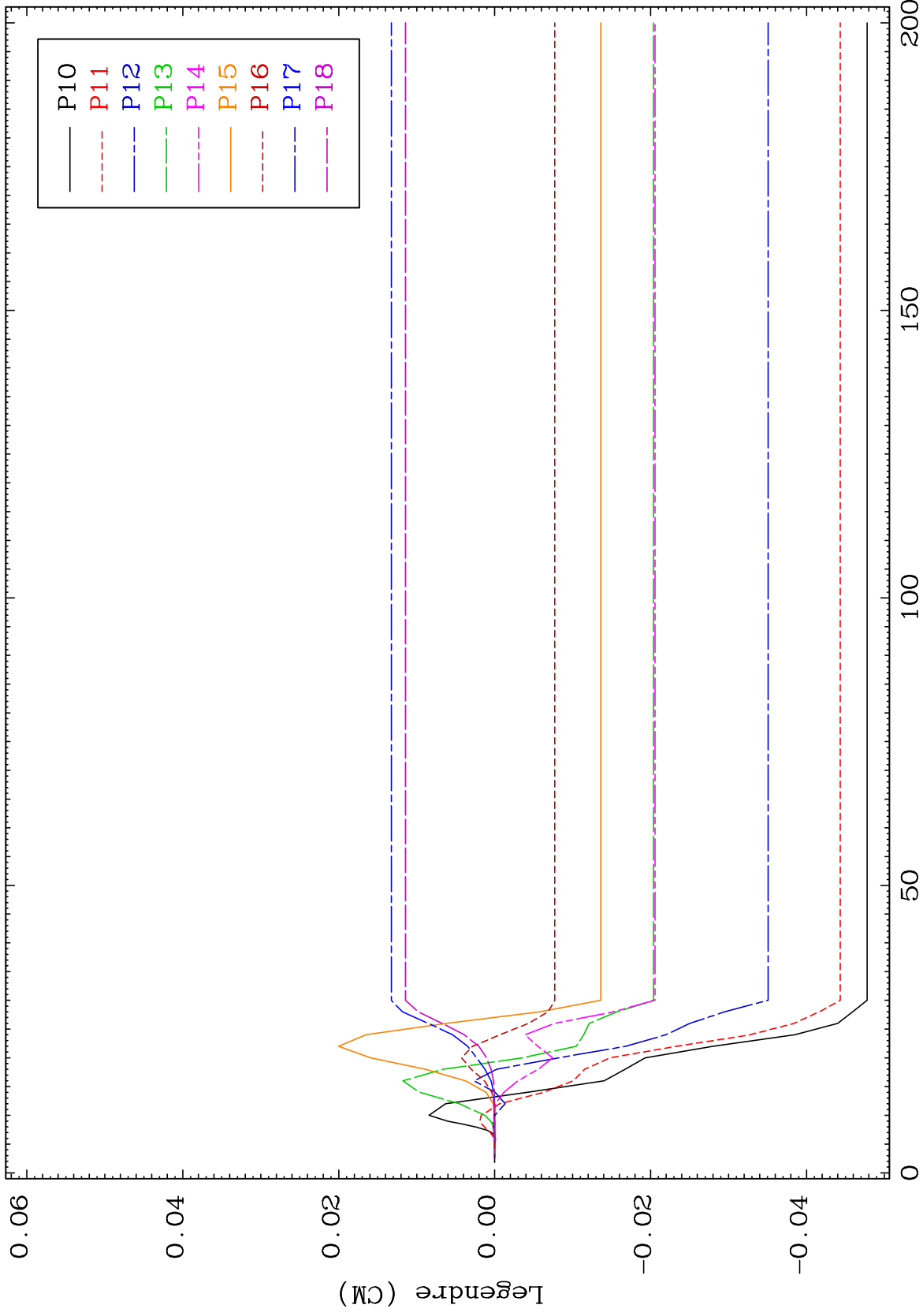
51-Sb-131



MAT 5155

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

51-Sb-131



36

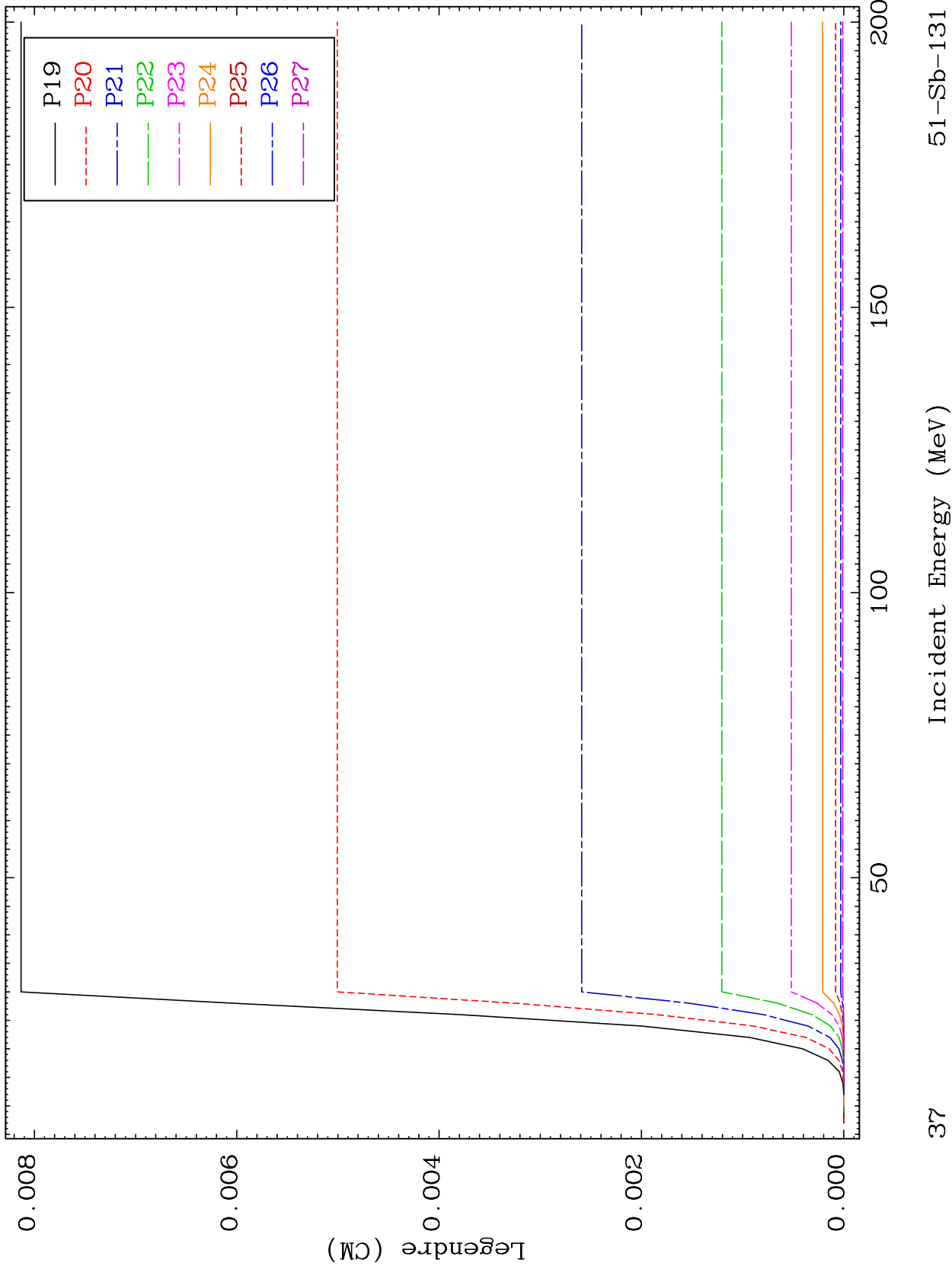
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



37

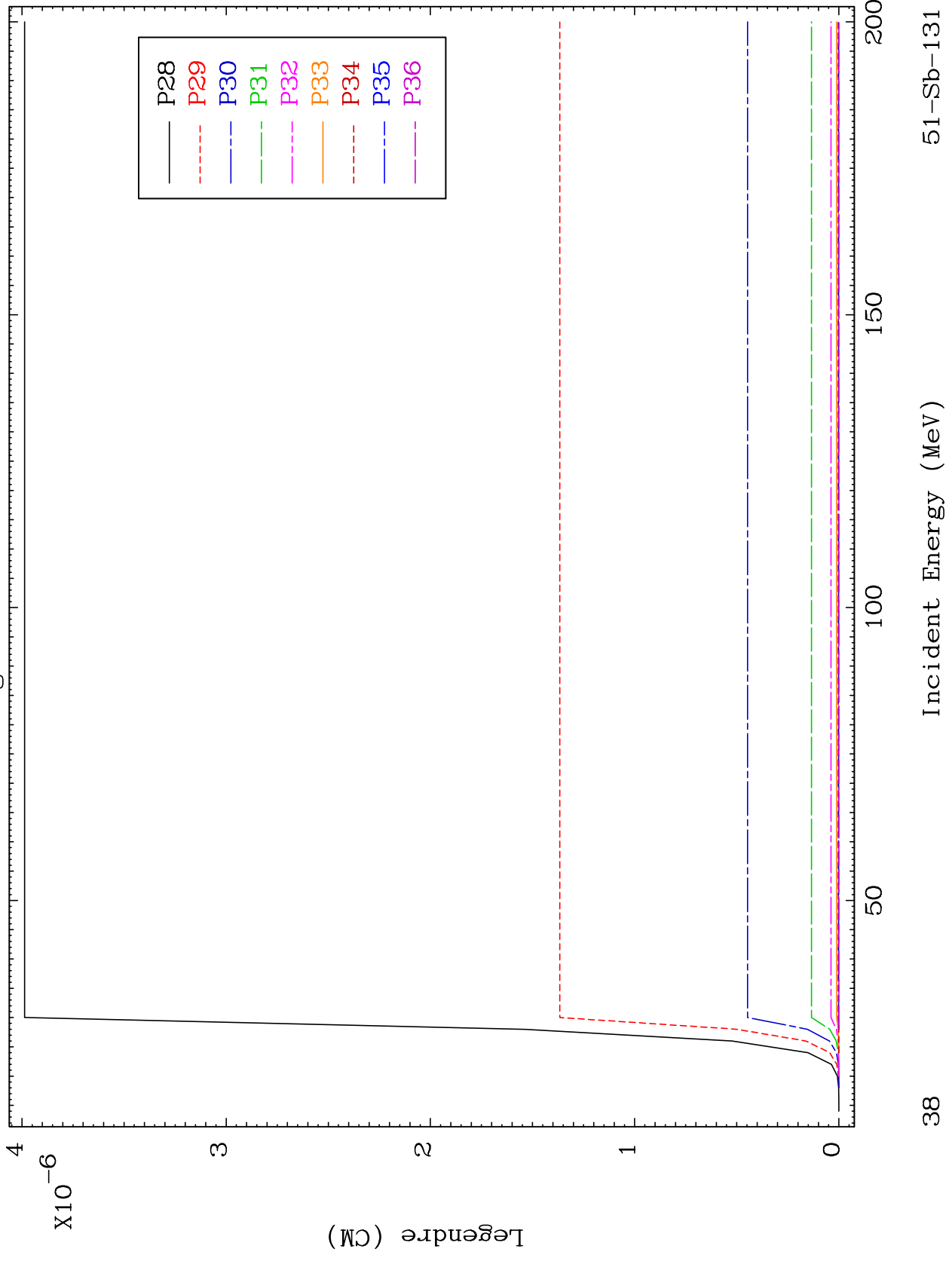
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



38

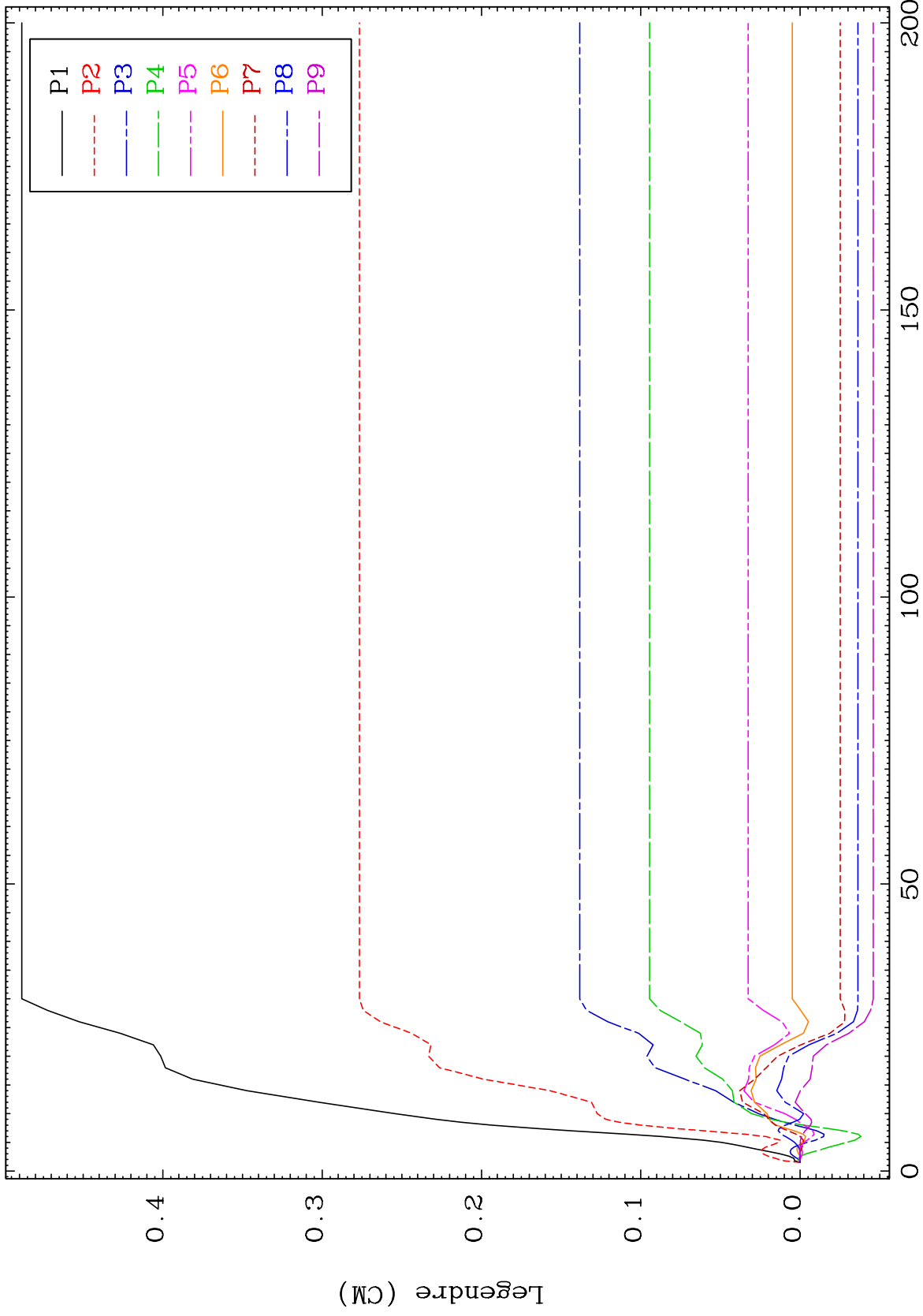
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



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Incident Energy (MeV)

51-Sb-131

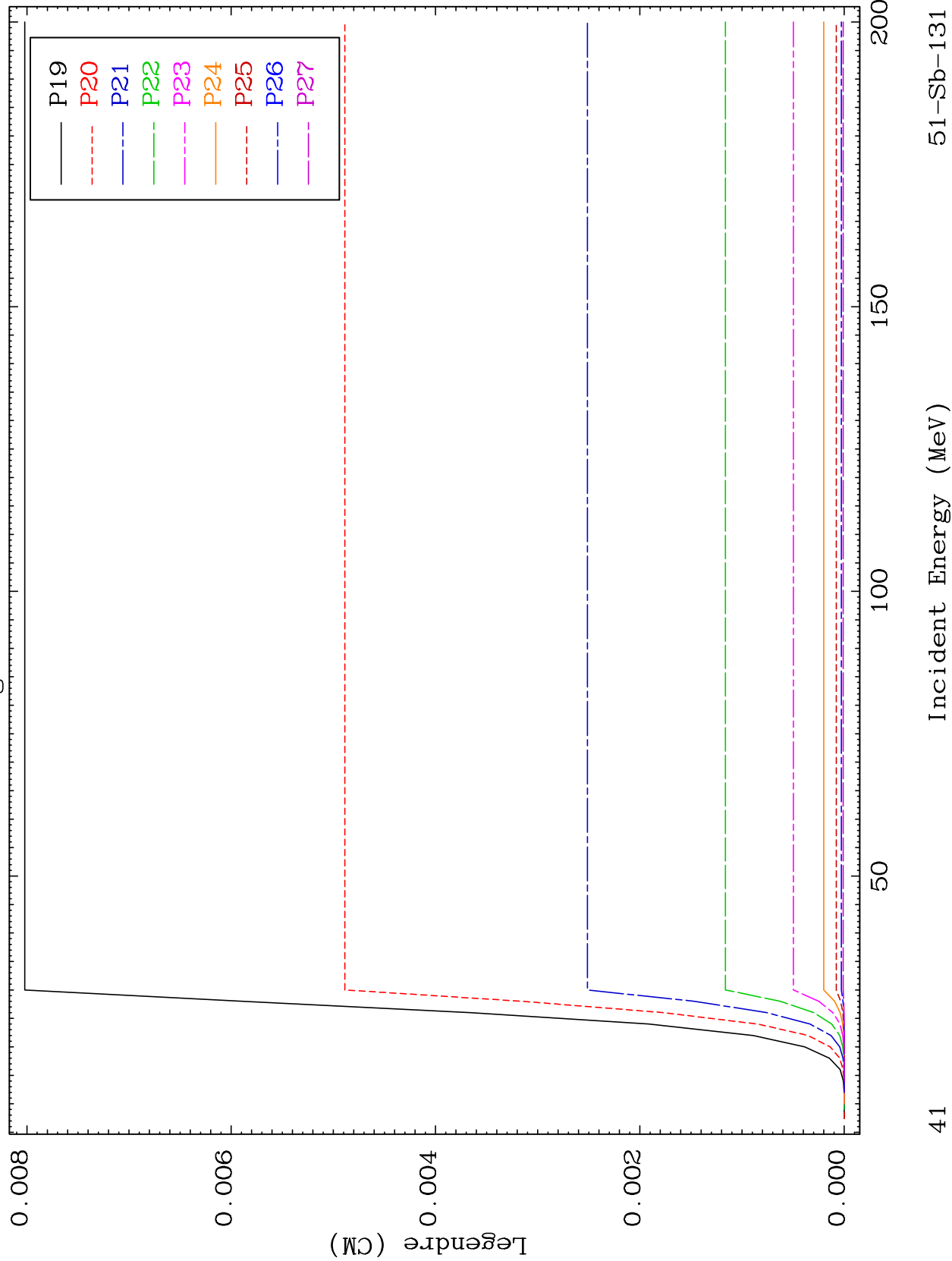




MAT 5155

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

51-Sb-131



41

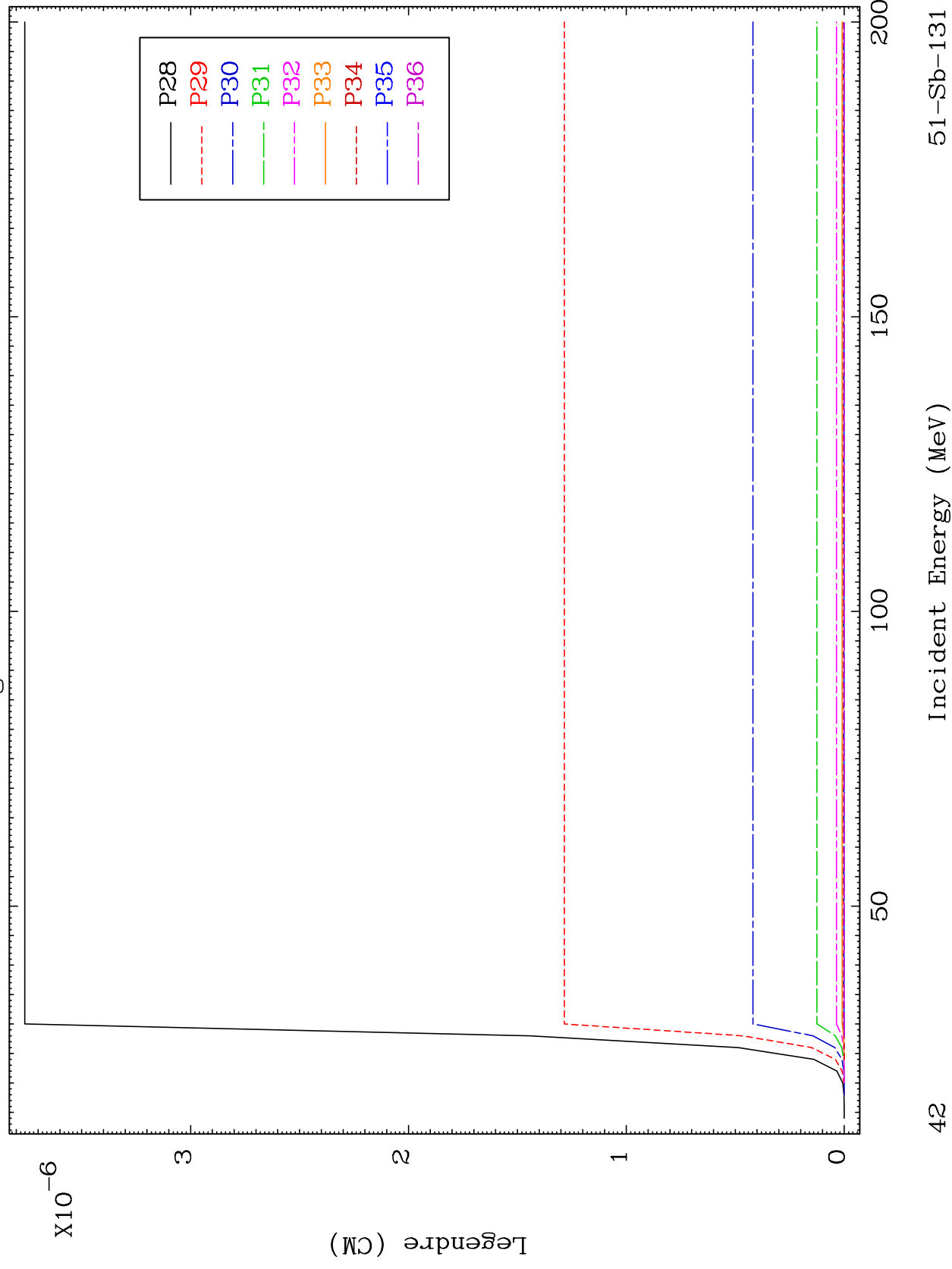
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



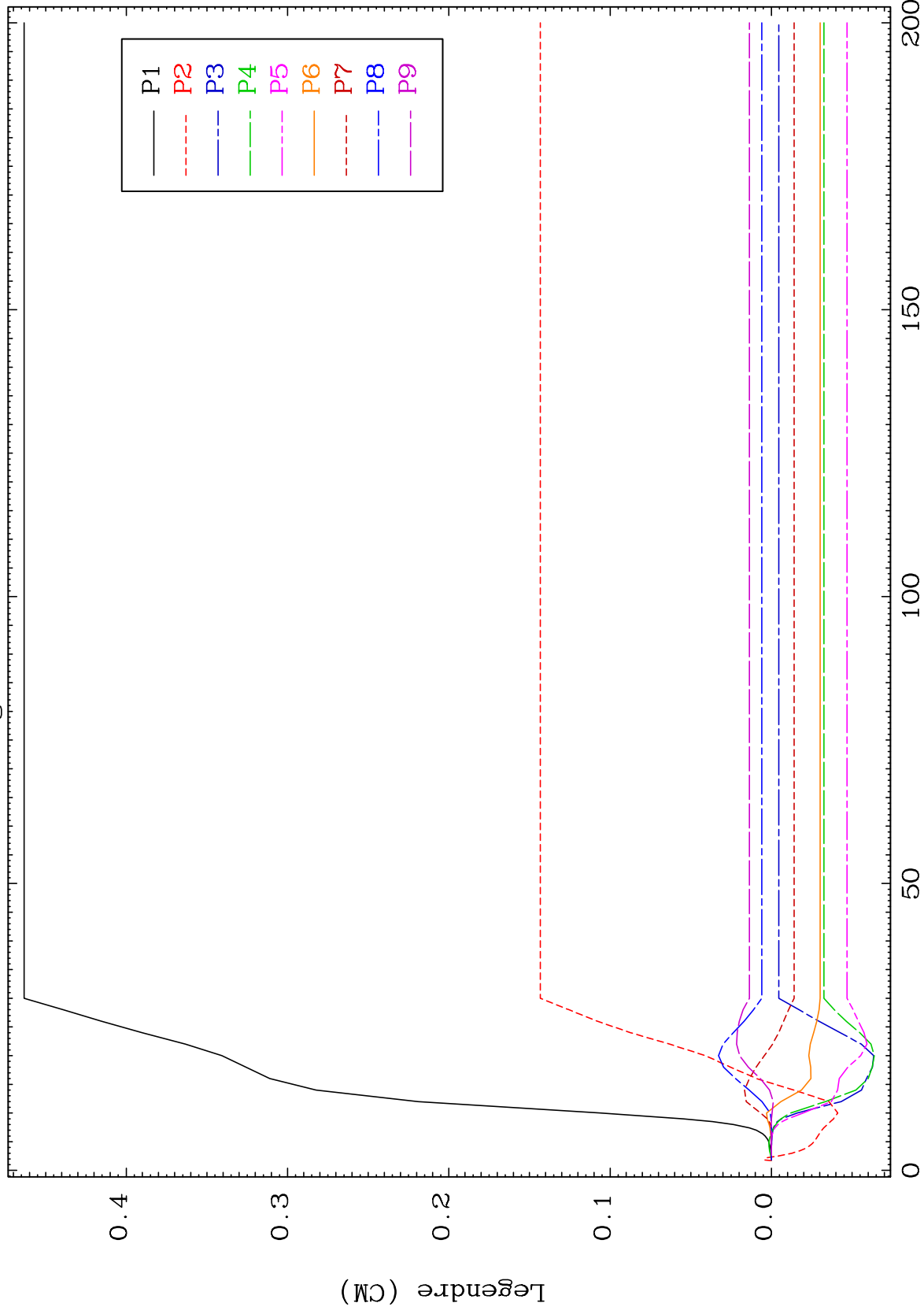
42

51-Sb-131

MAT 5155

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

51-Sb-131



43

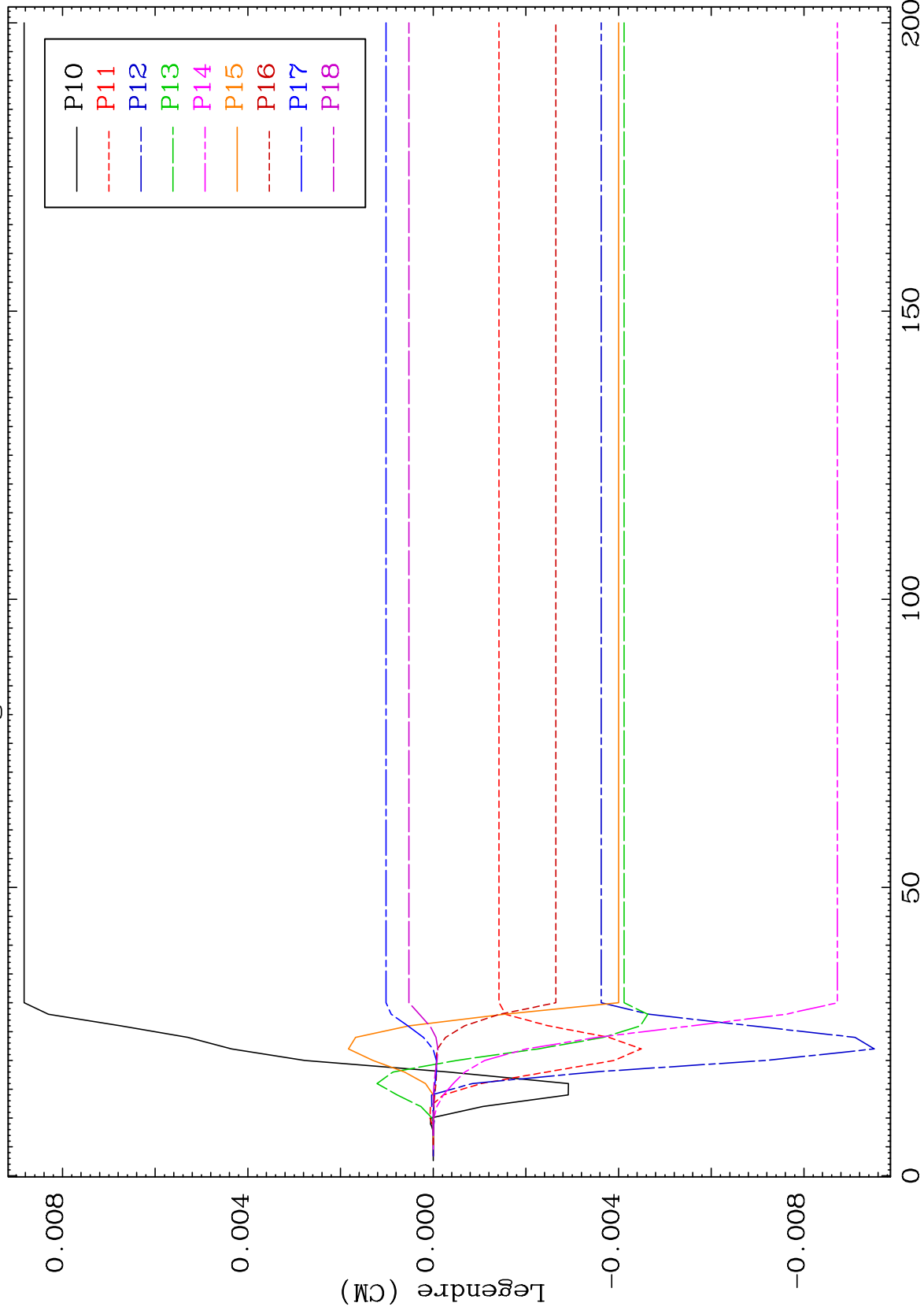
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



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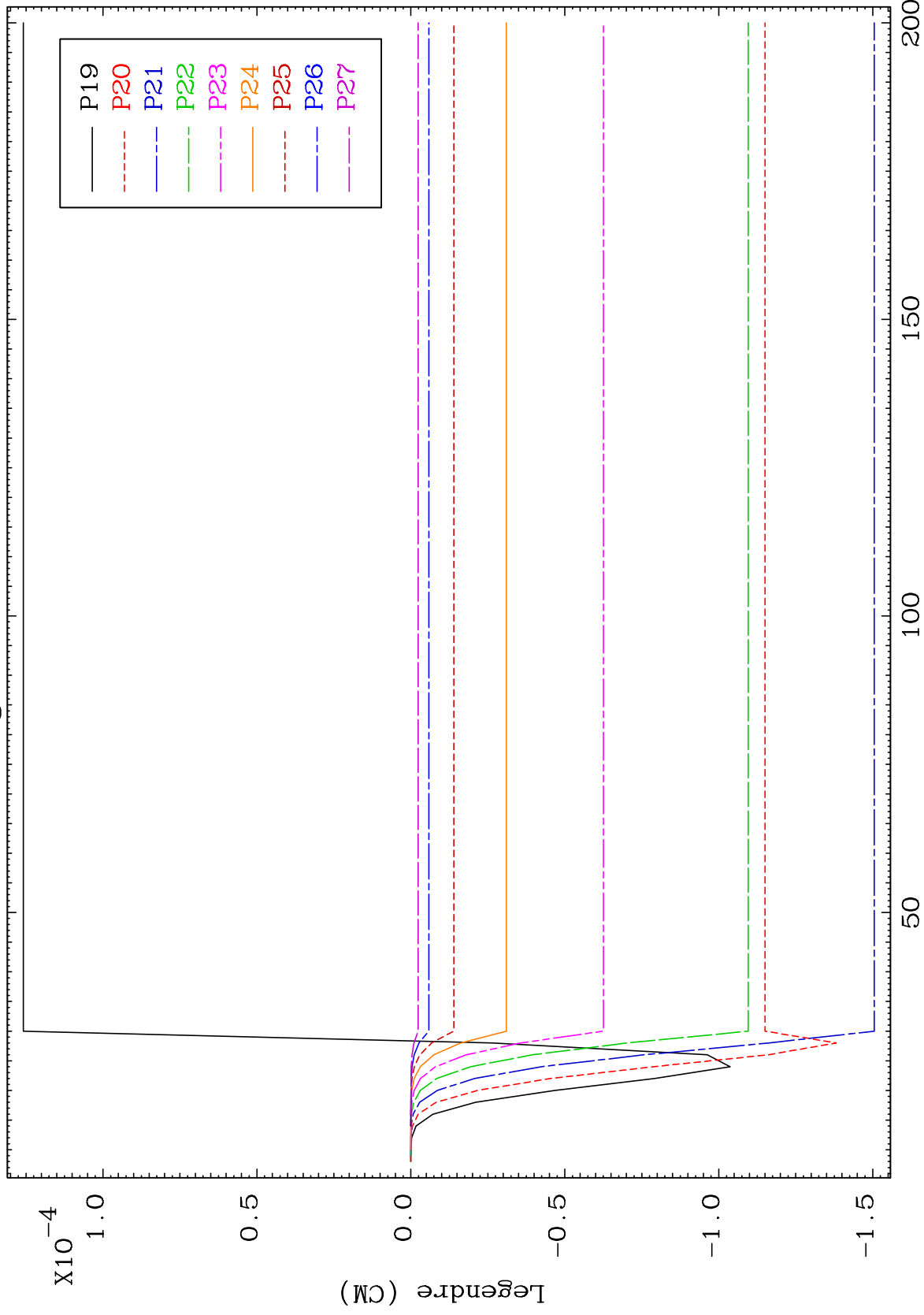
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

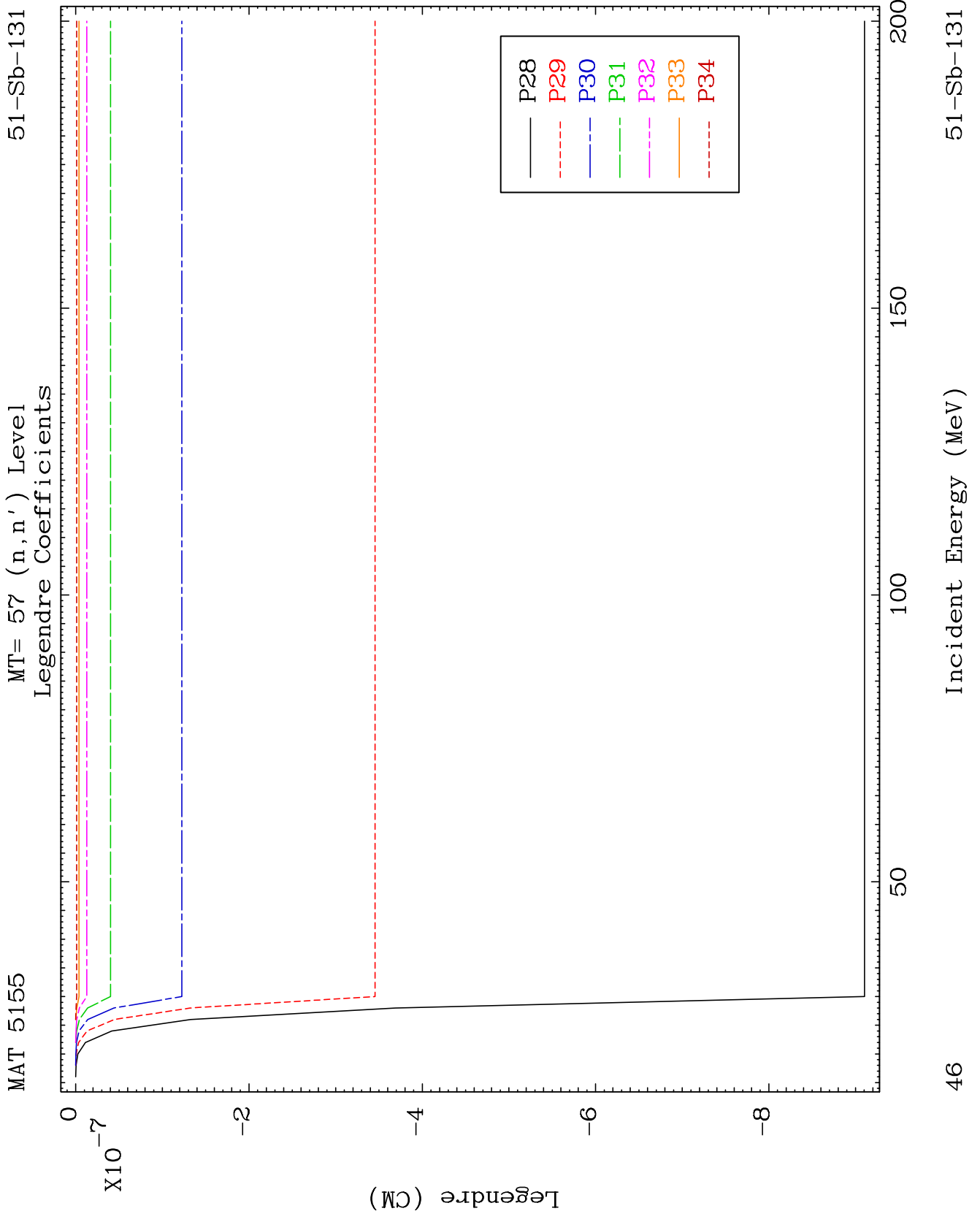
51-Sb-131



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Incident Energy (MeV)

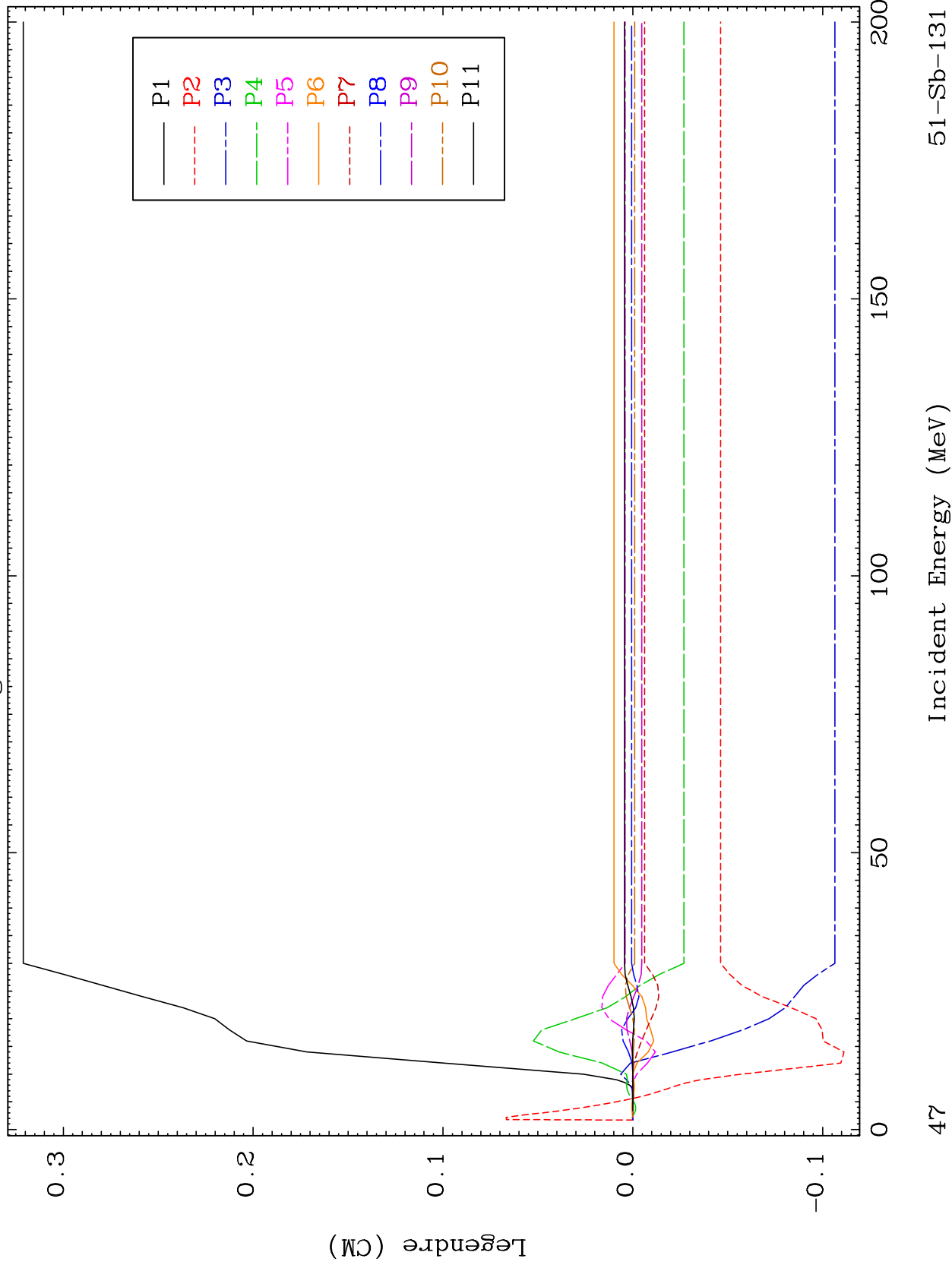
51-Sb-131



MAT 5155

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

51-Sb-131

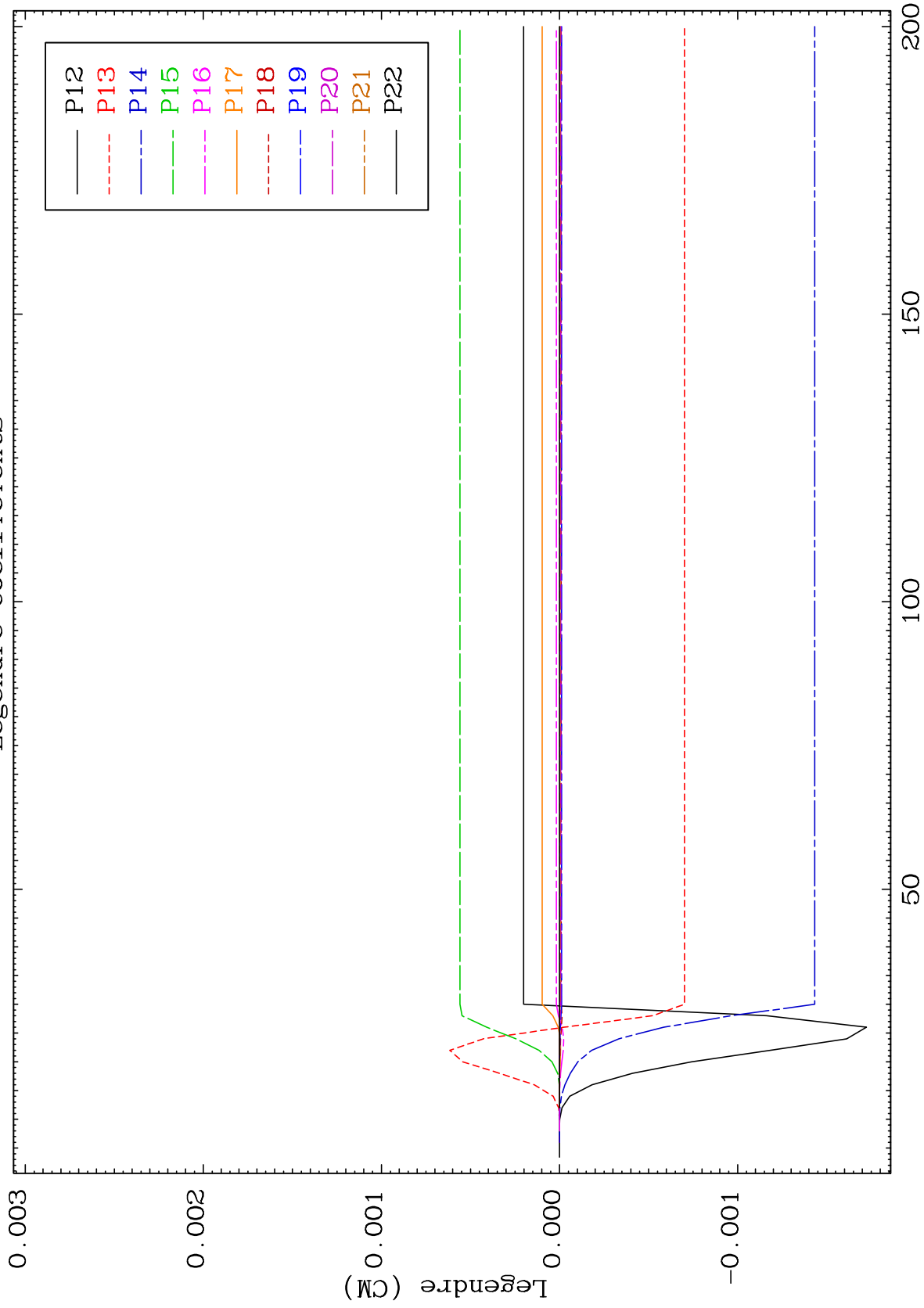




MAT 5155

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

51-Sb-131



48

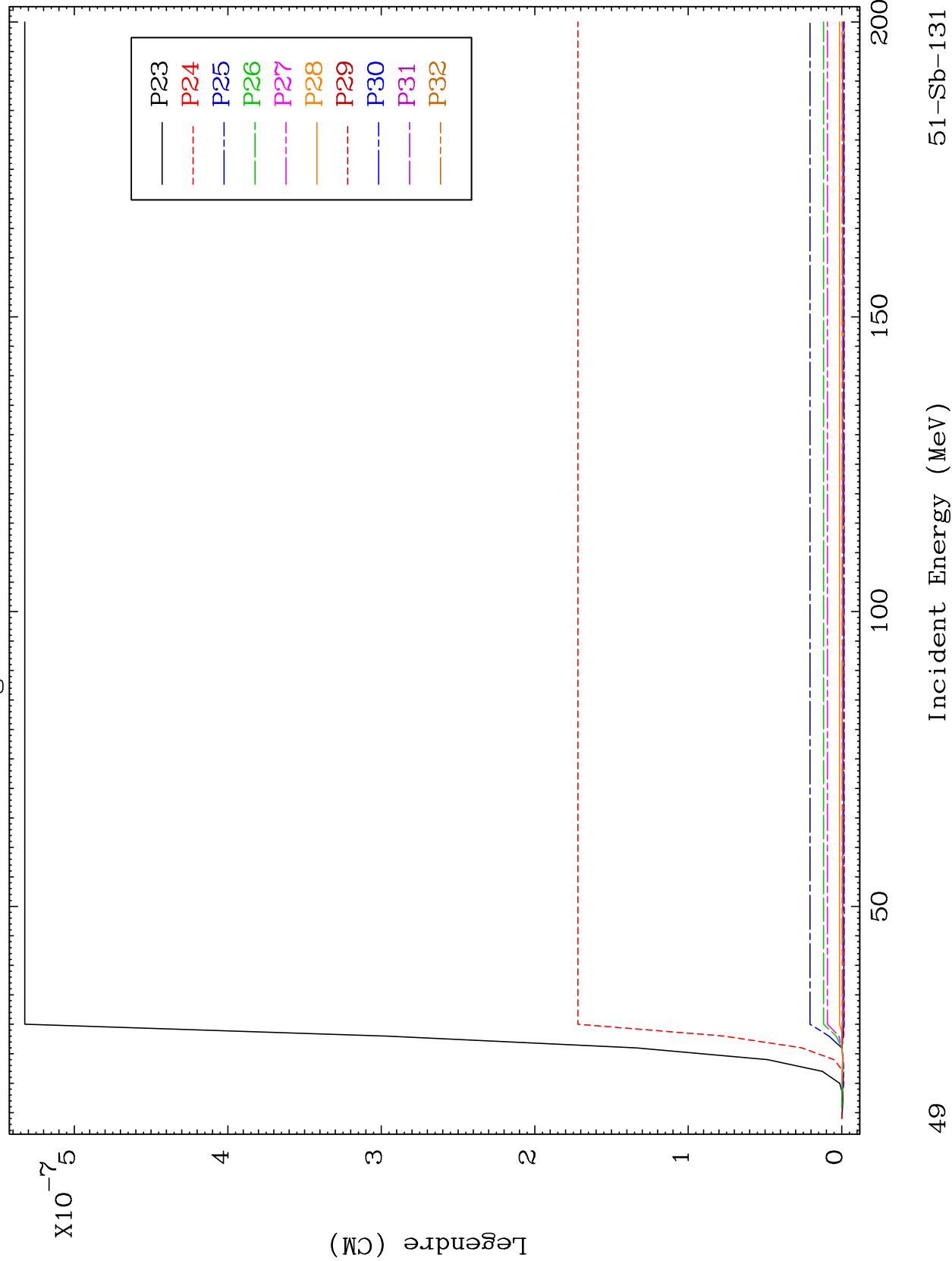
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131

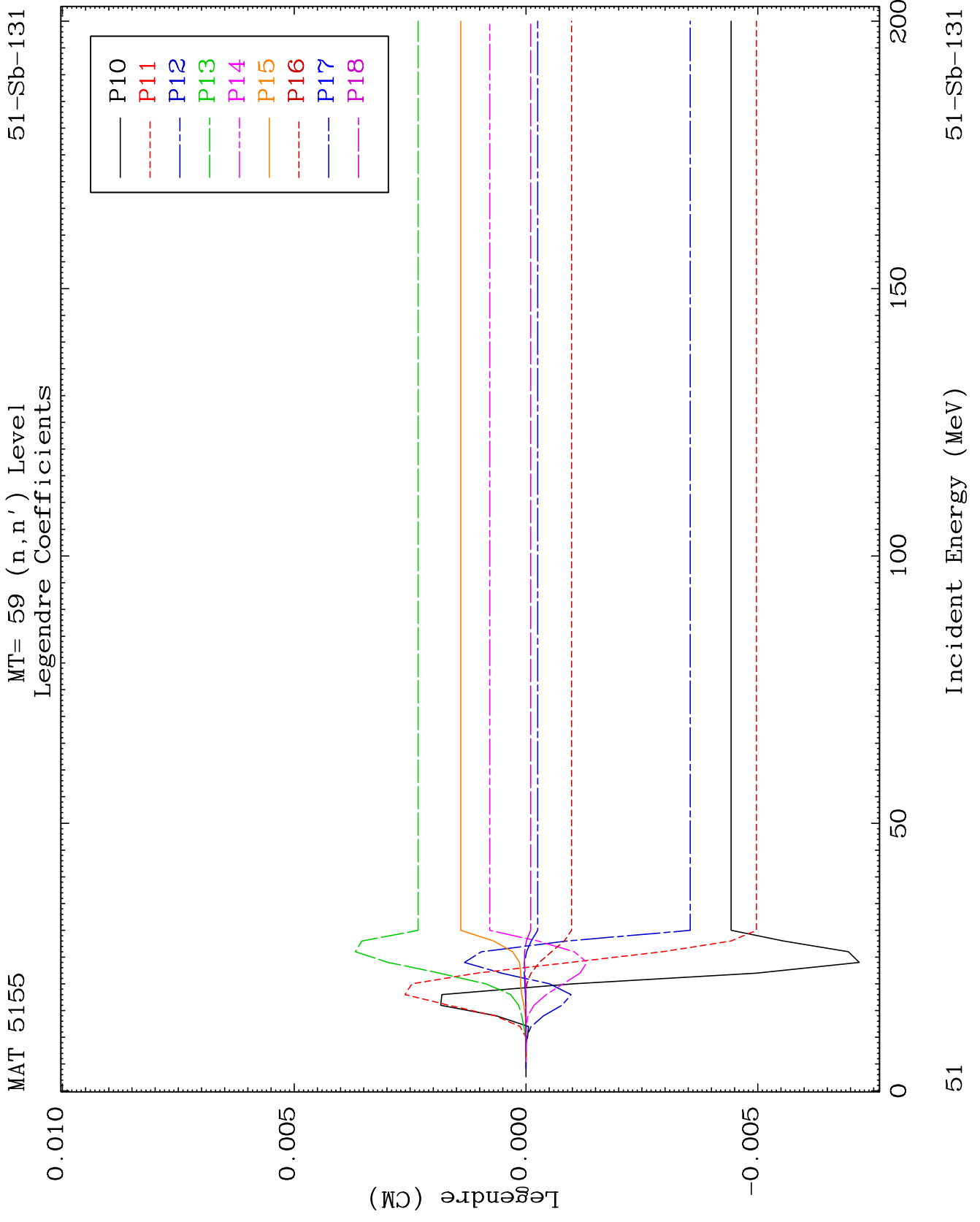


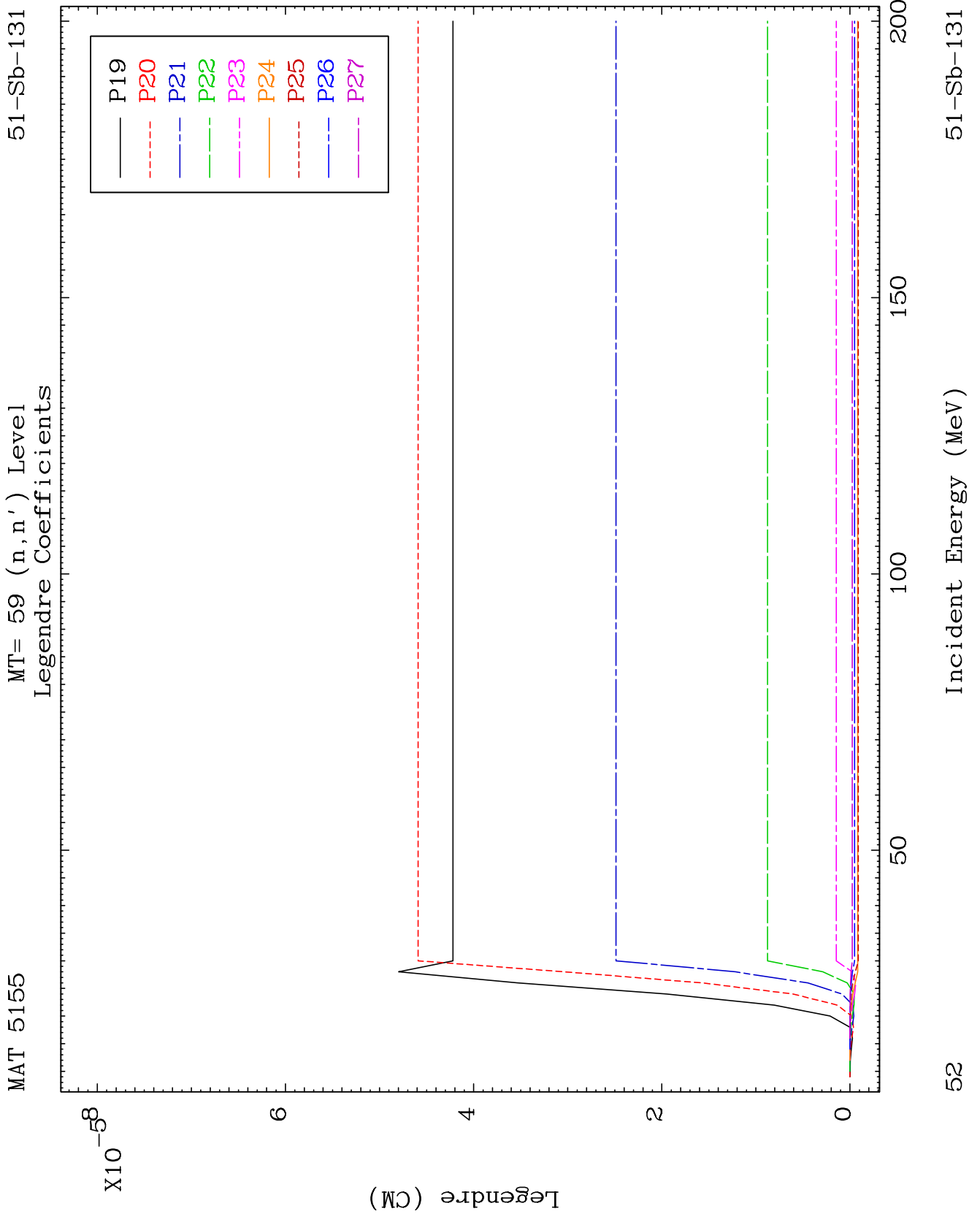
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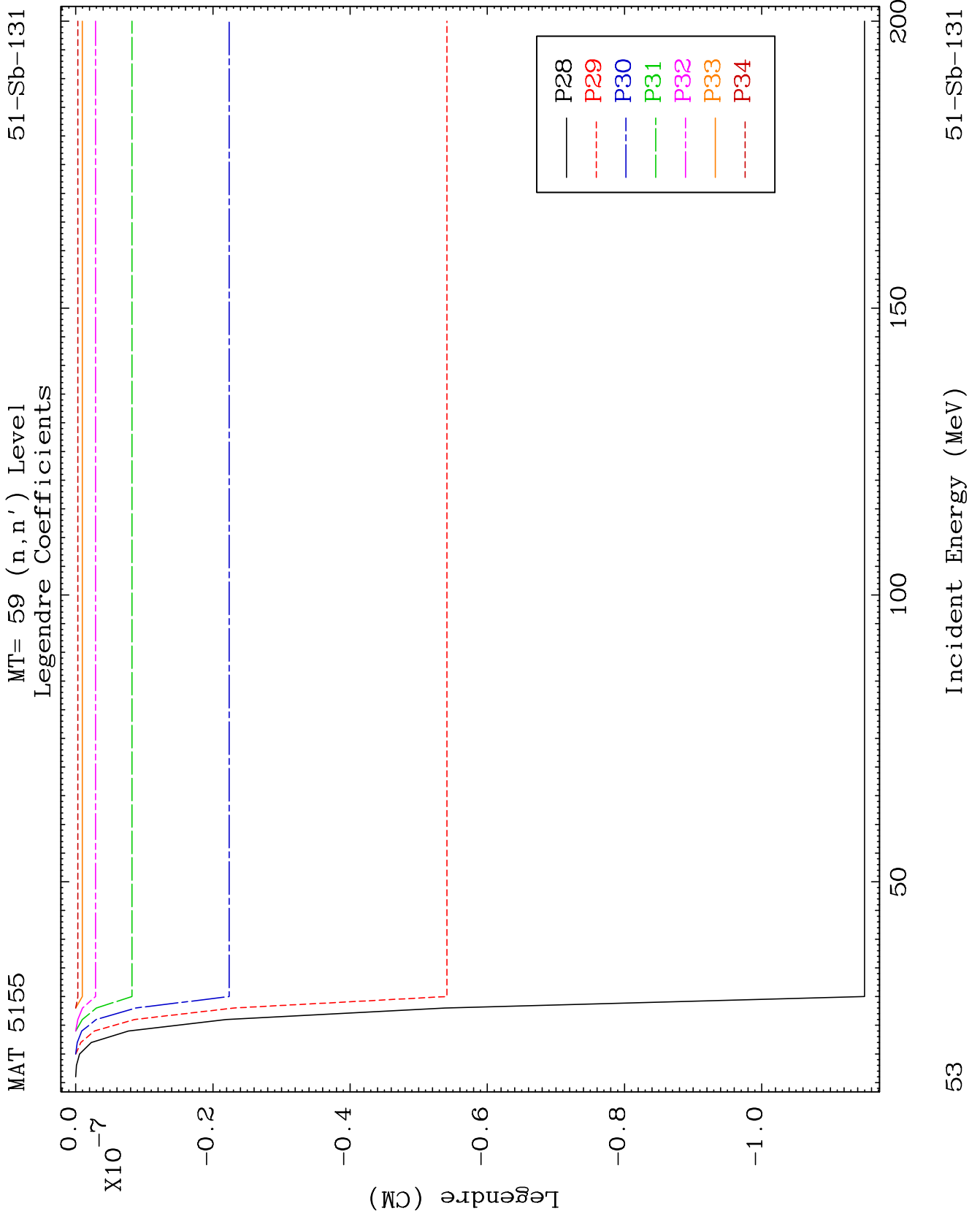
Incident Energy (MeV)

51-Sb-131





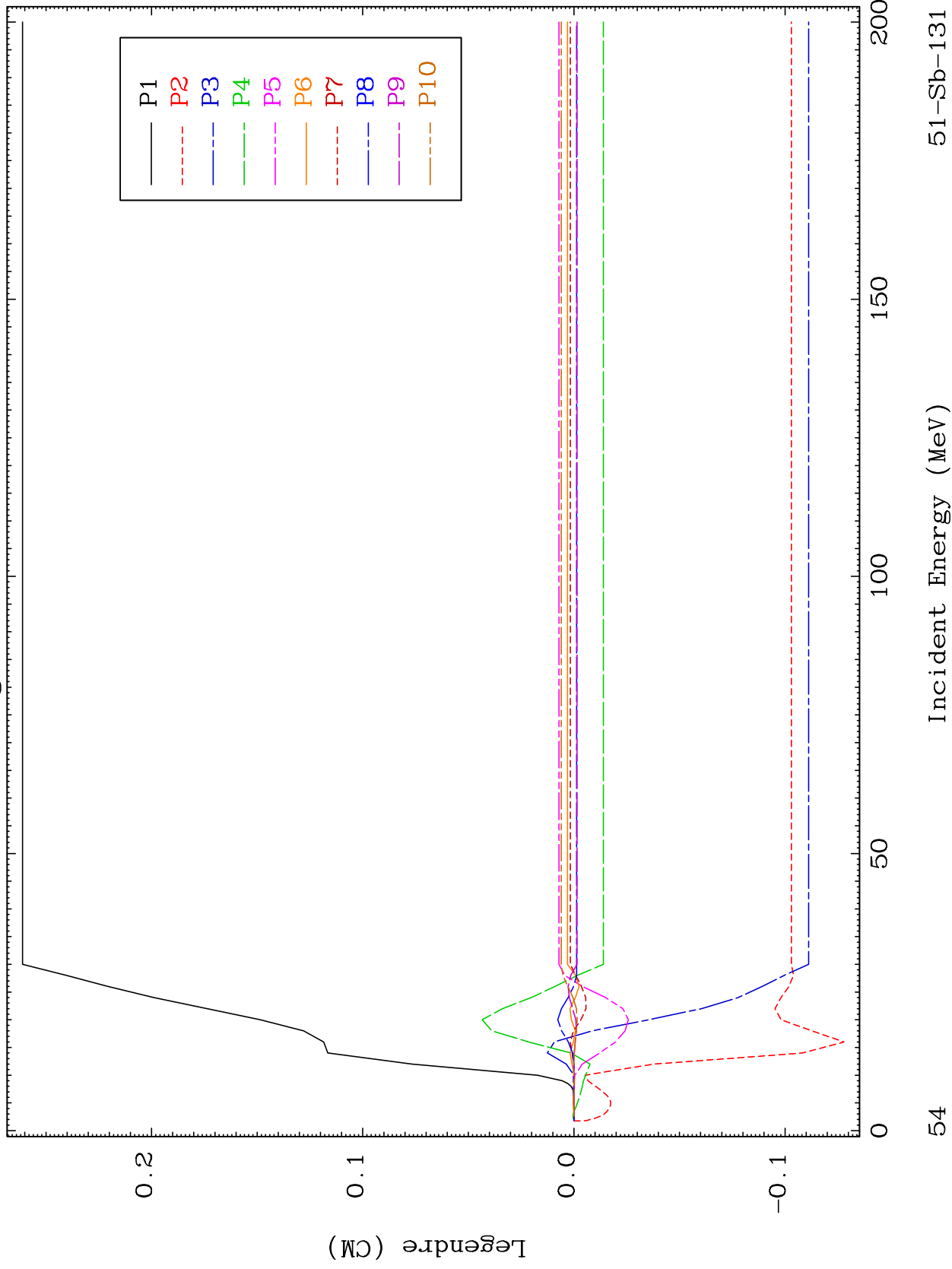




MAT 5155

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

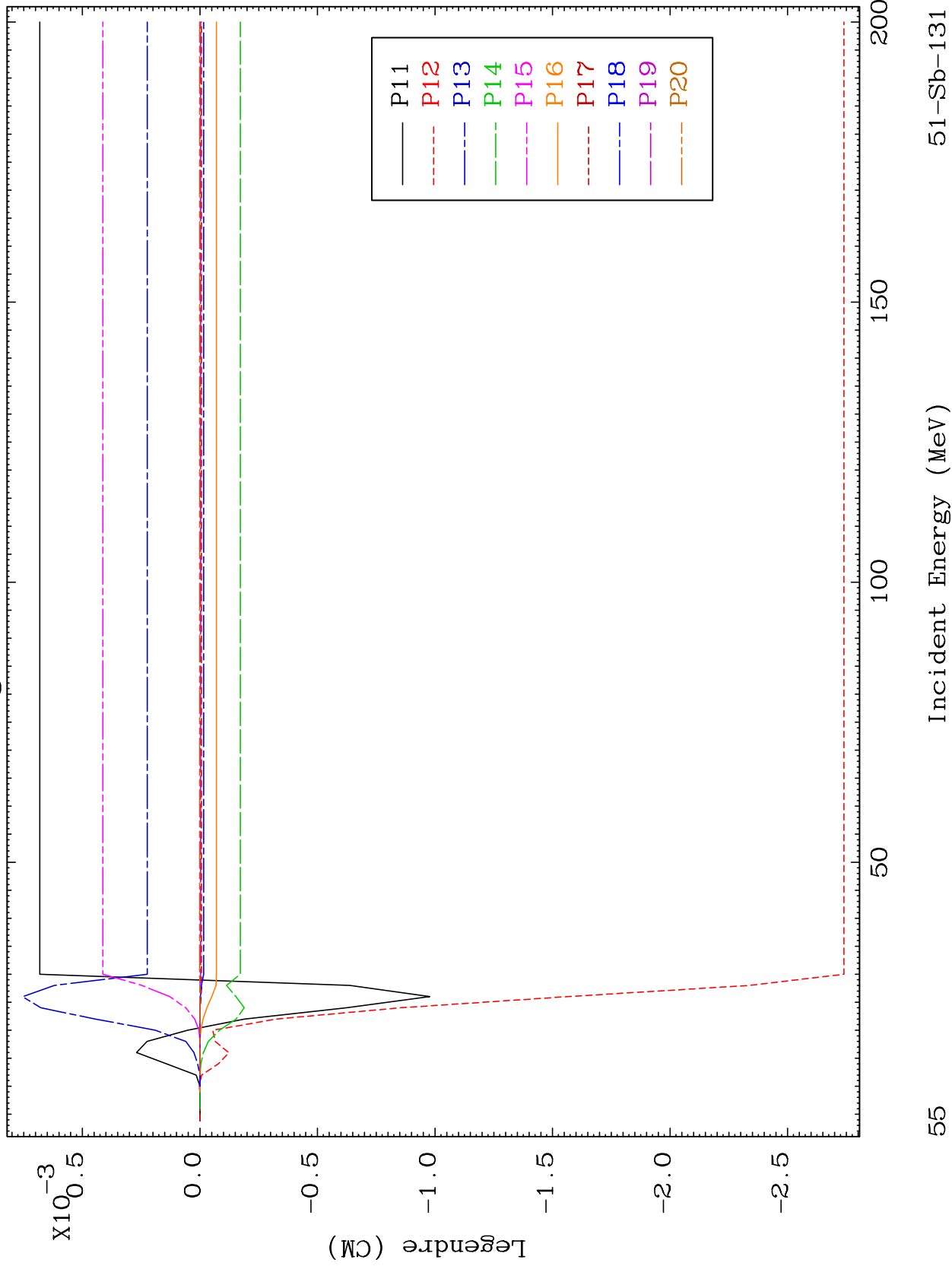
51-Sb-131



MAT 5155

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

51-Sb-131



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Incident Energy (MeV)

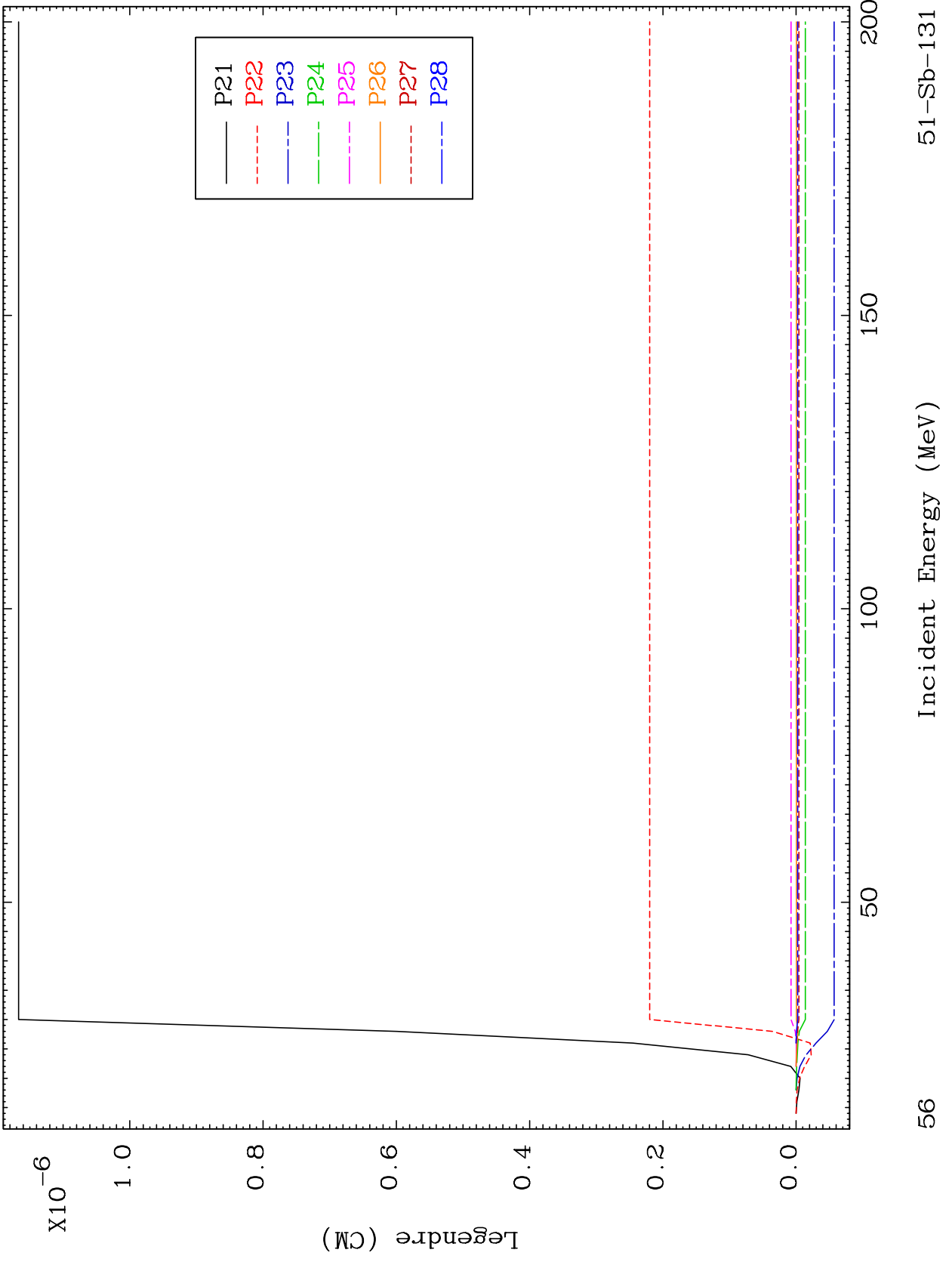
51-Sb-131



MAT 5155

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

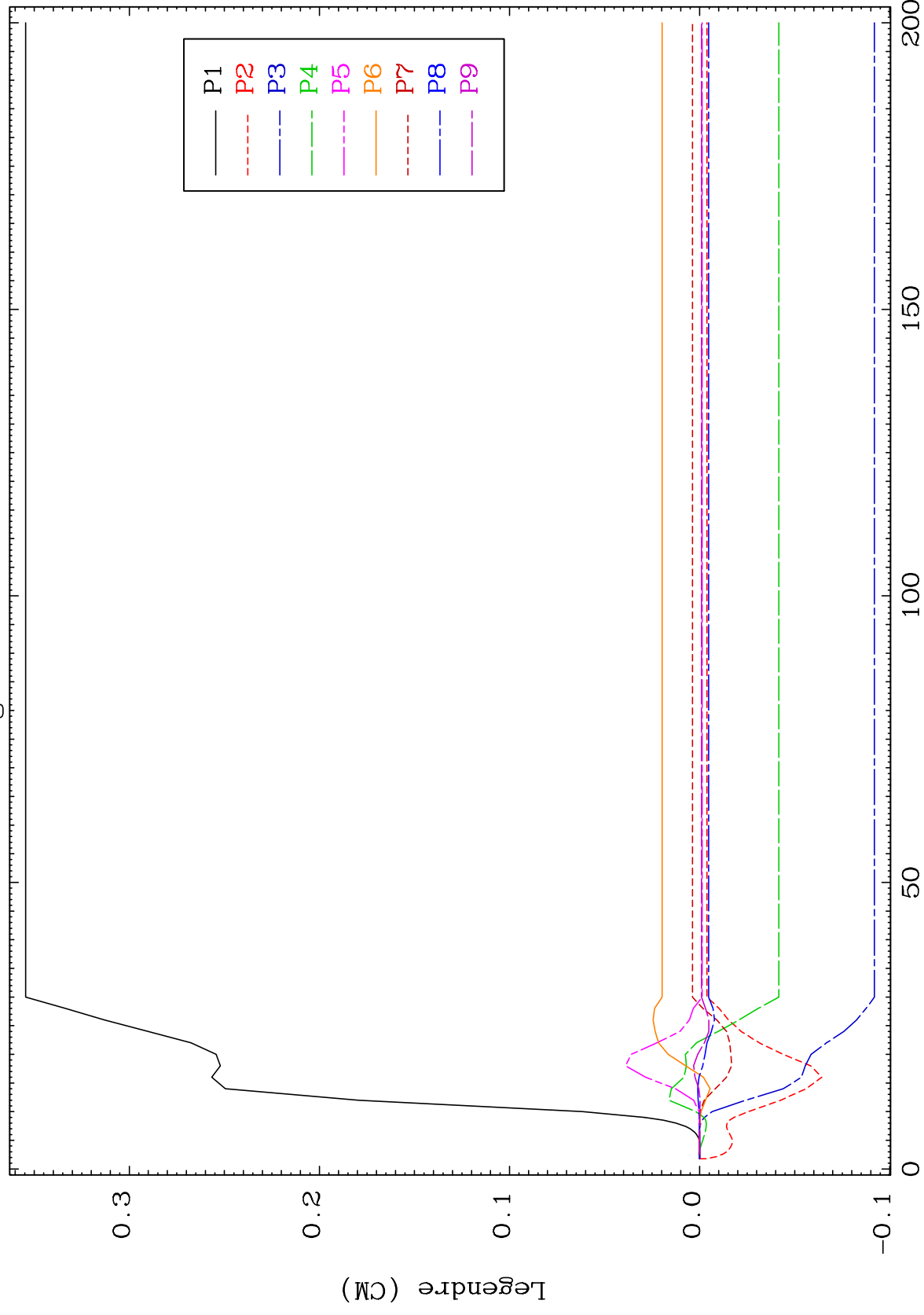
51-Sb-131



MAT 5155

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

51-Sb-131



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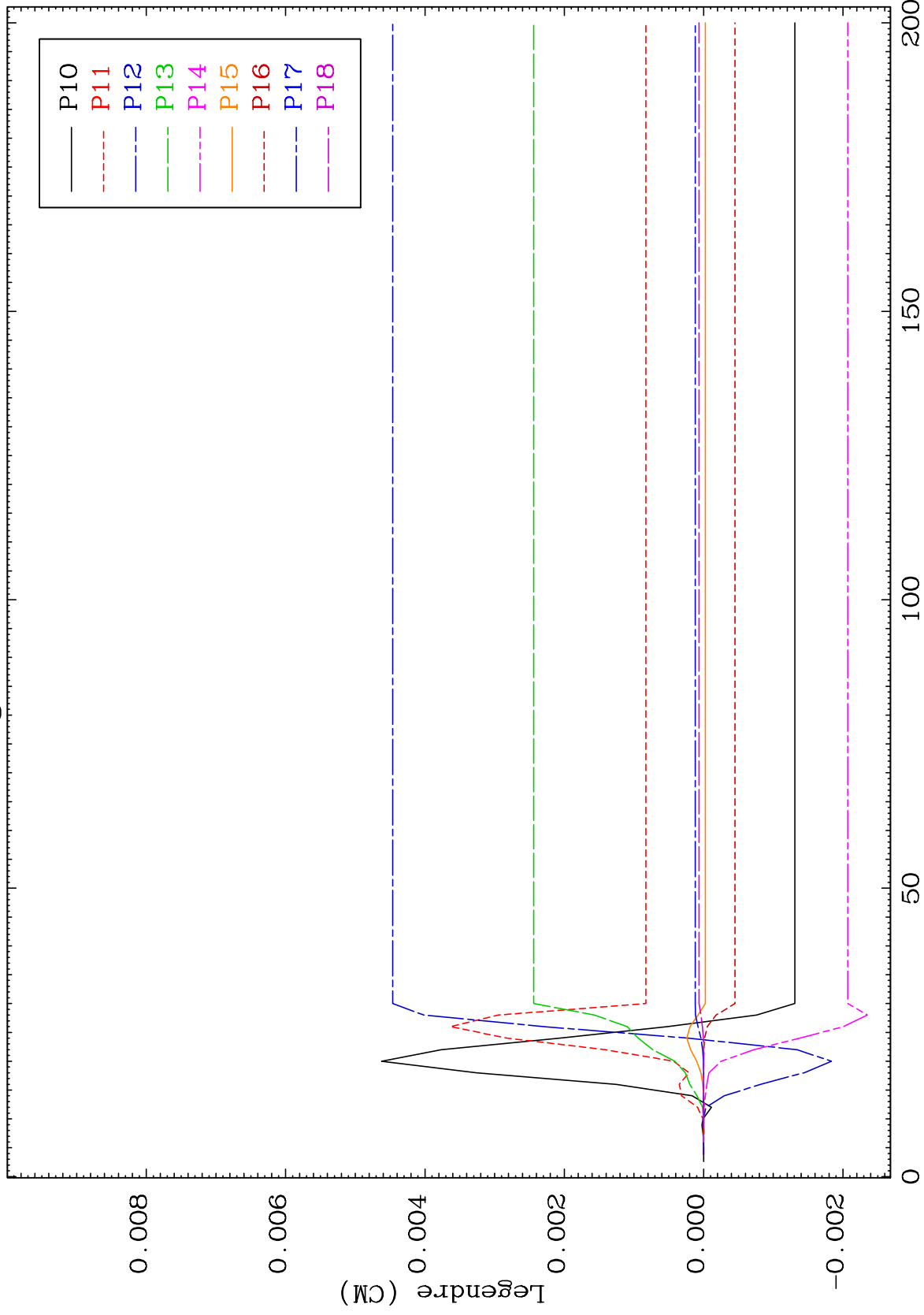
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



51-Sb-131

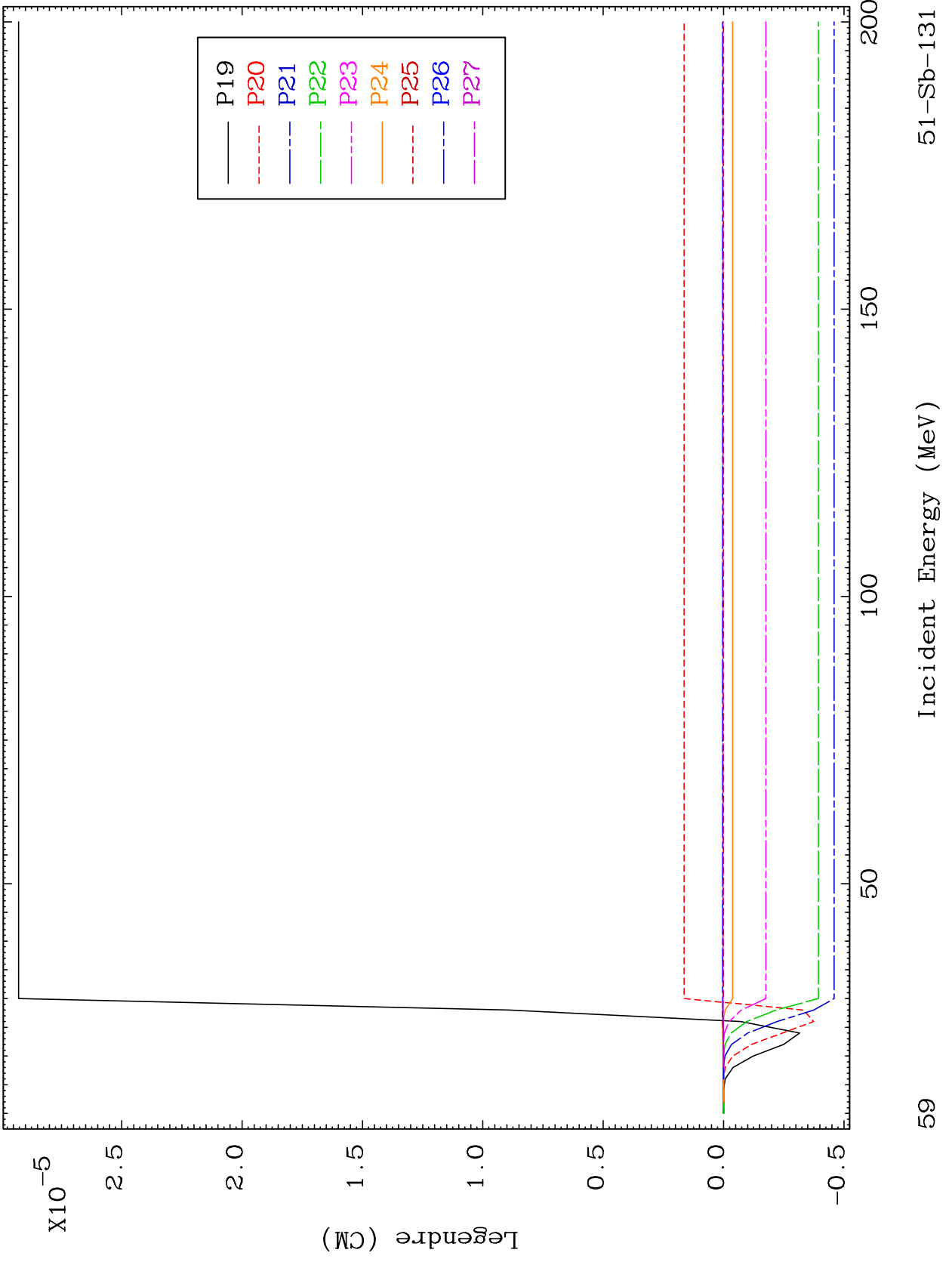
Incident Energy (MeV)

58

MAT 5155

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

51-Sb-131



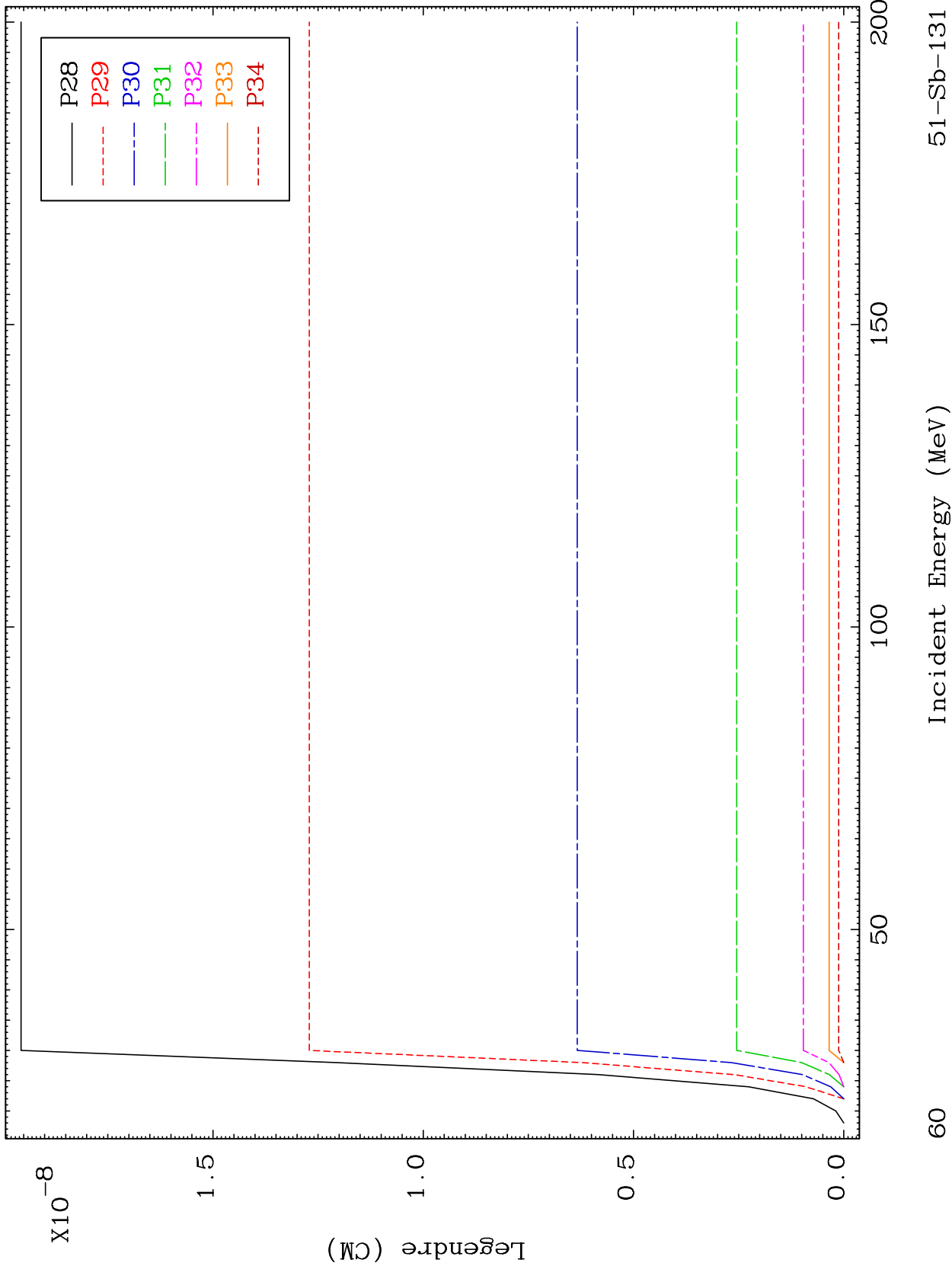
59

51-Sb-131

MAT 5155

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

51-Sb-131

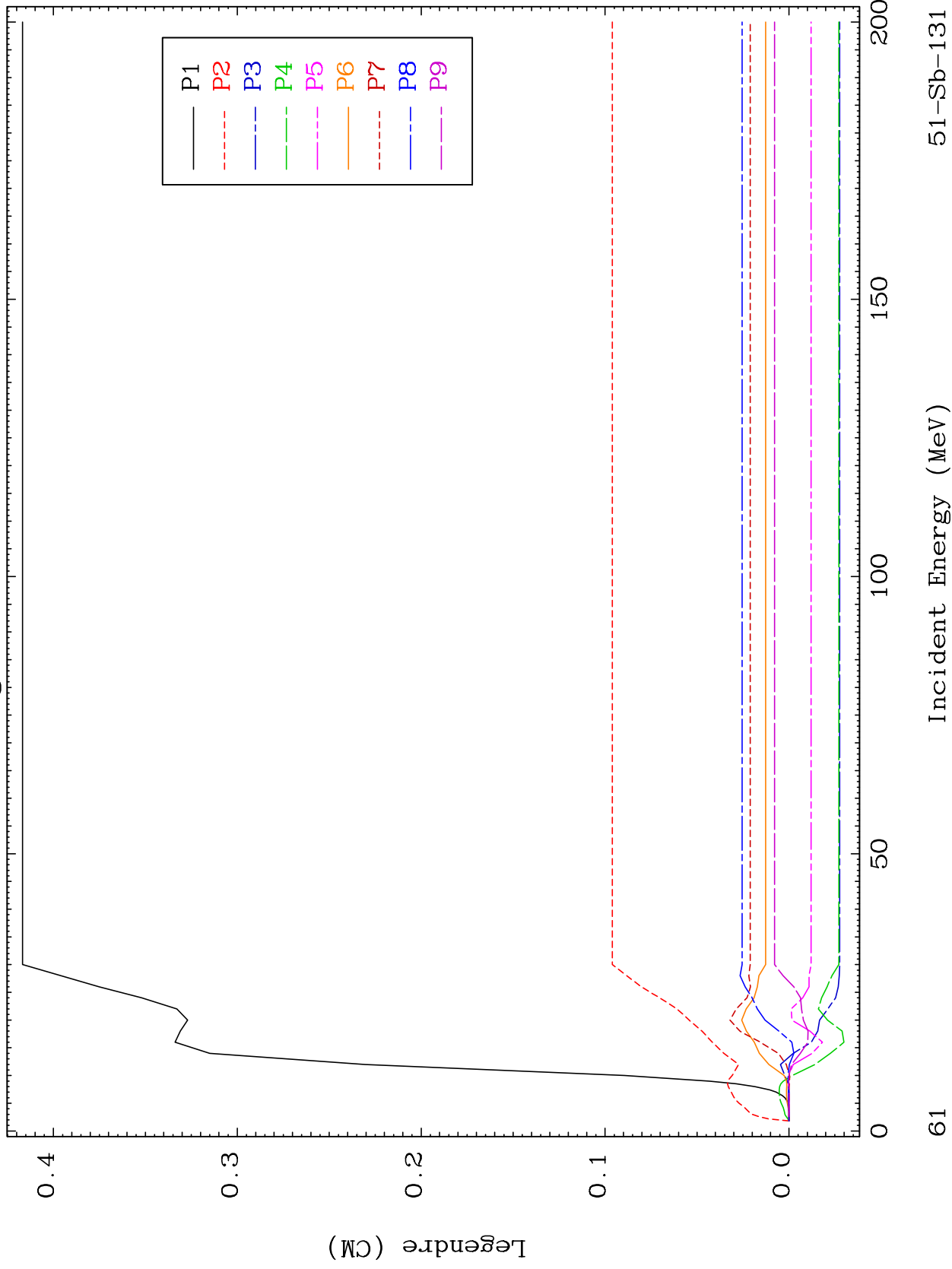


51-Sb-131

MAT 5155

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

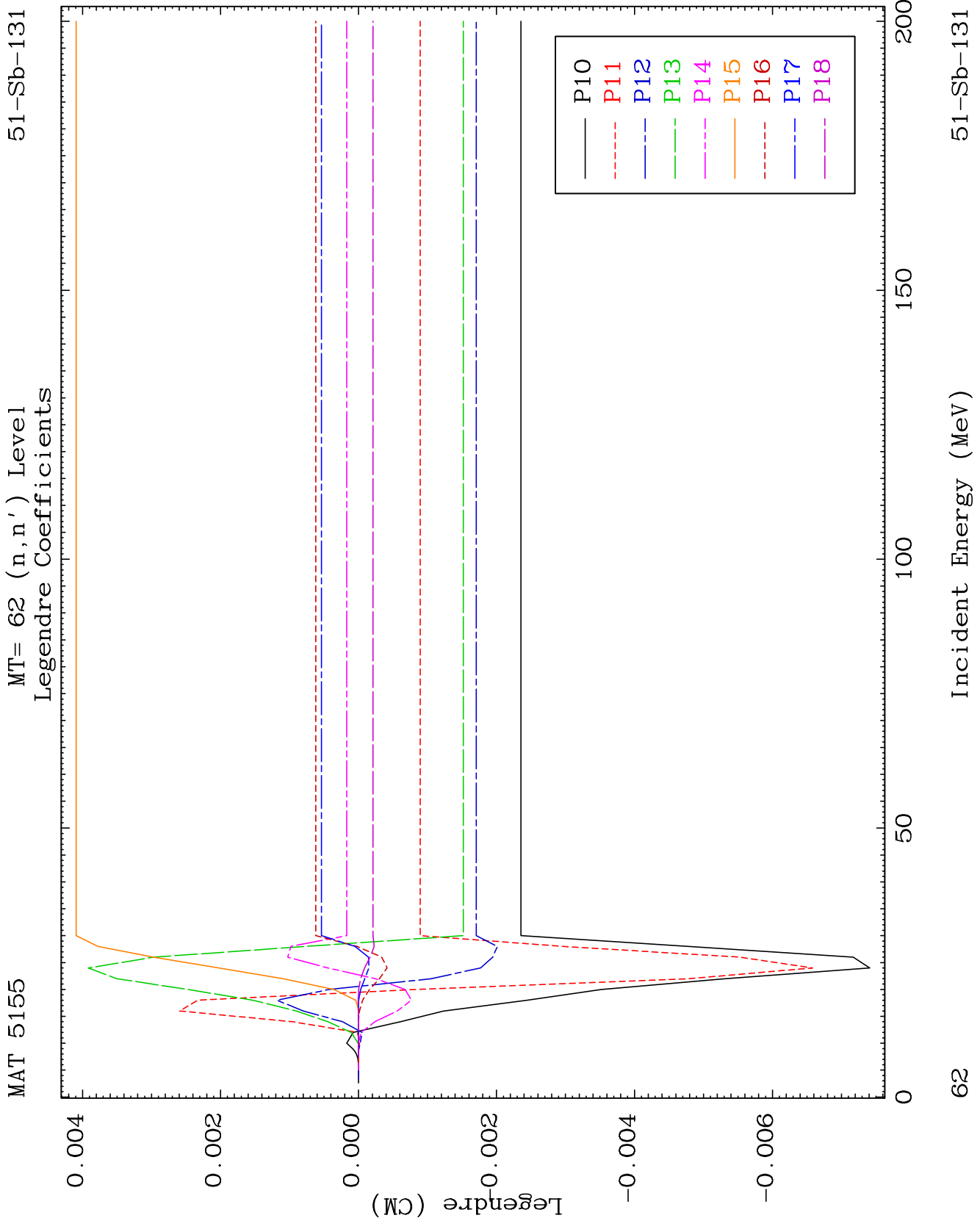
51-Sb-131



51-Sb-131

Incident Energy (MeV)

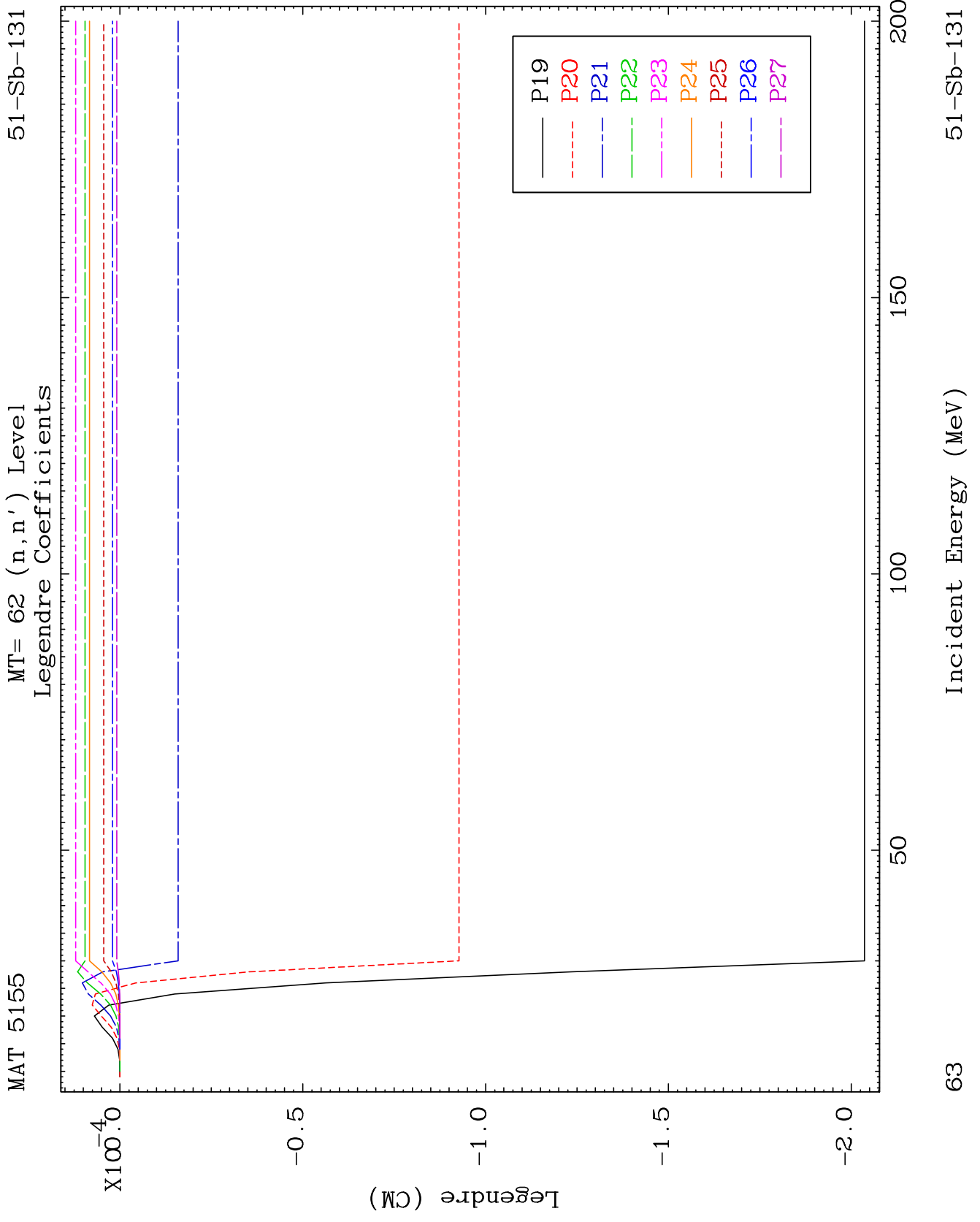
61



51-Sb-131

Incident Energy (MeV)

62

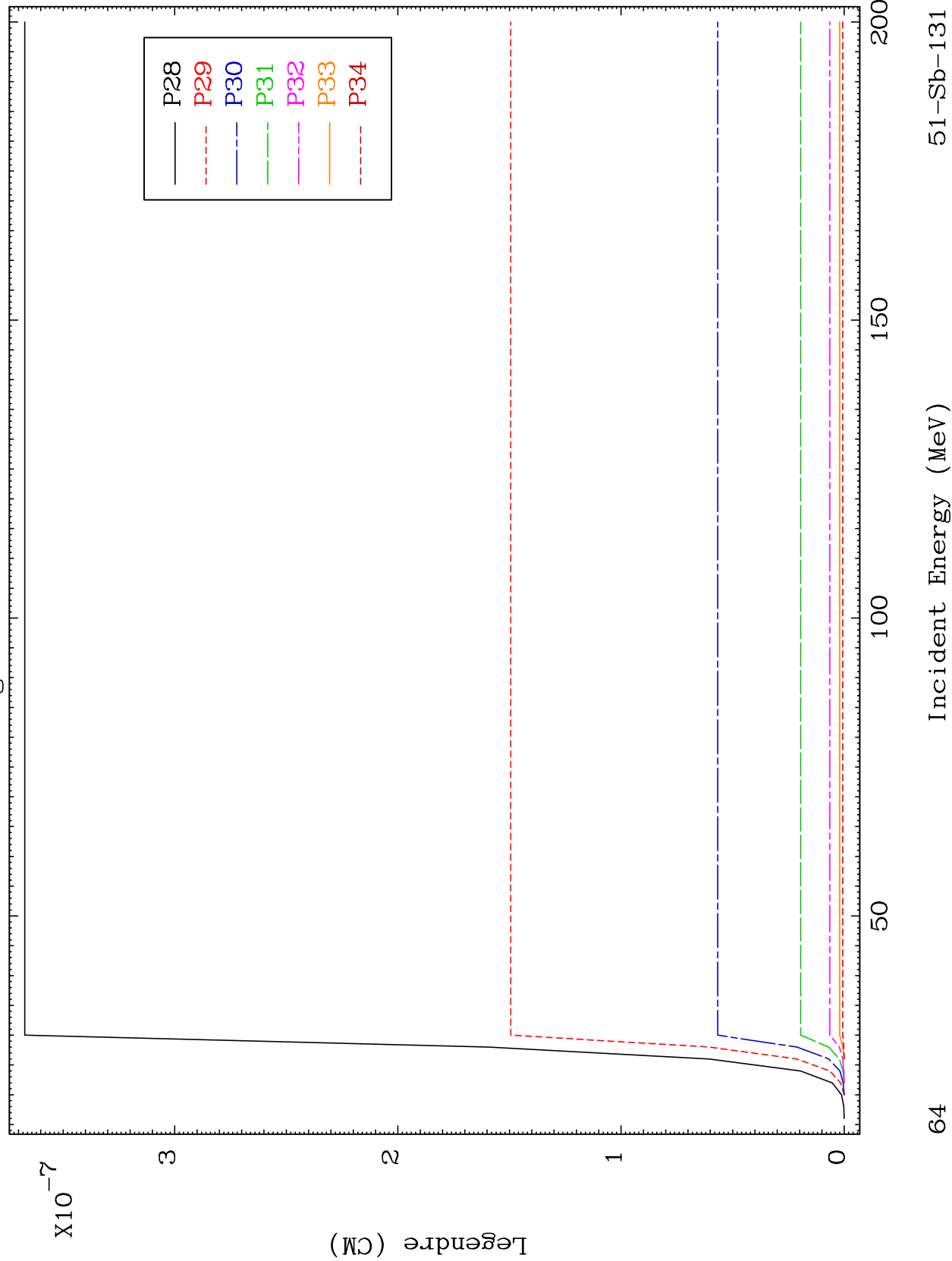


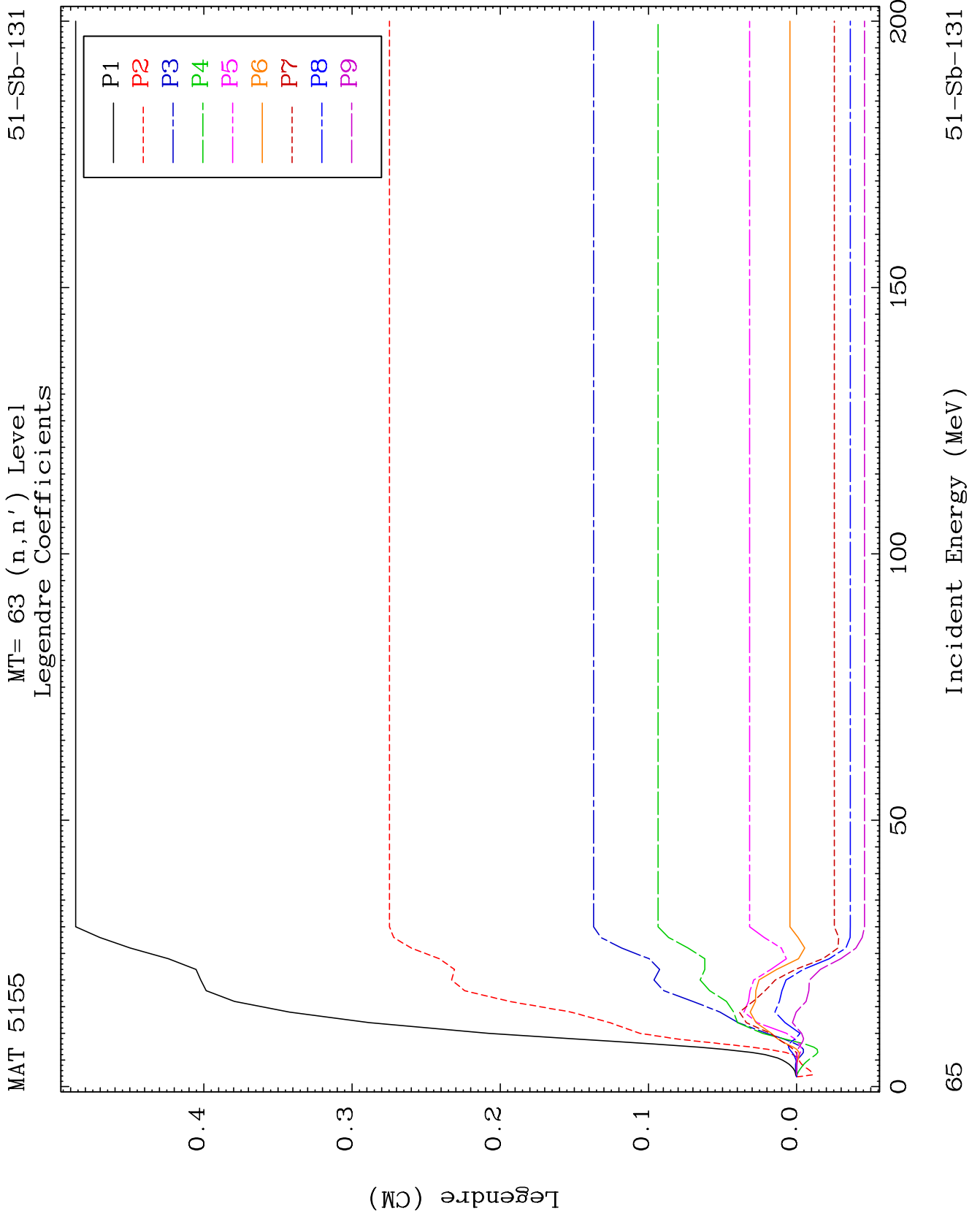


MAT 5155

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

51-Sb-131

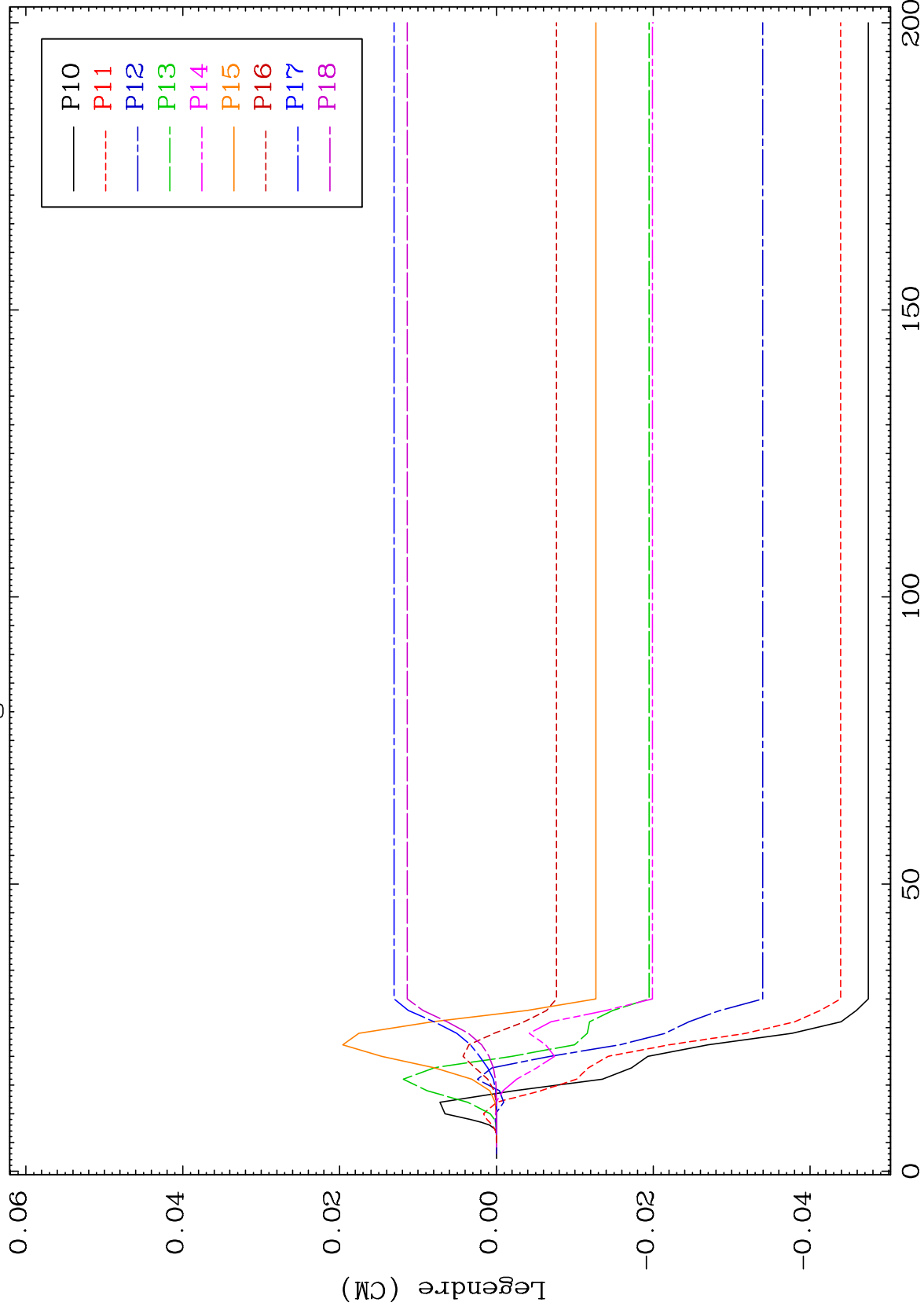




MAT 5155

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

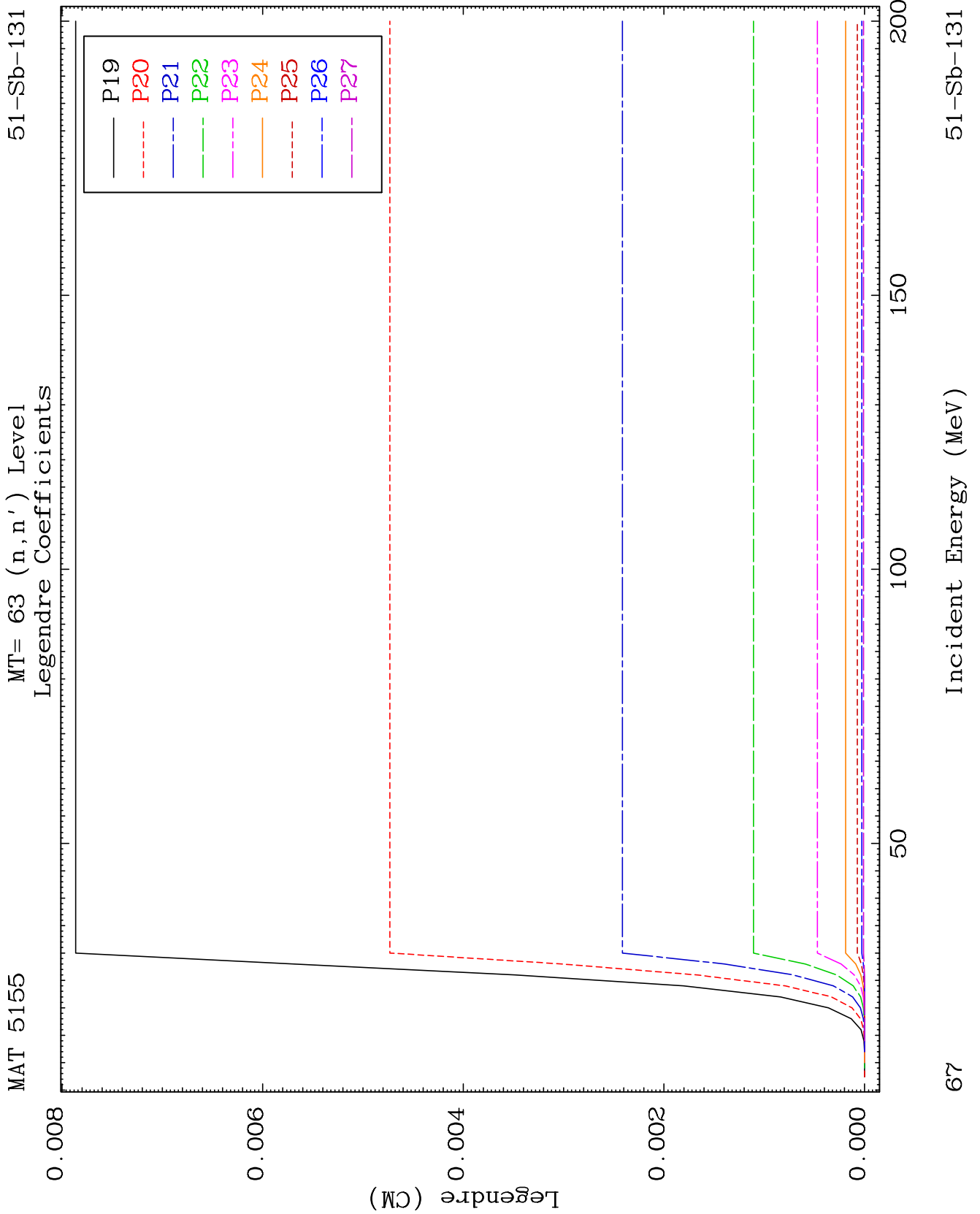
51-Sb-131



66

Incident Energy (MeV)

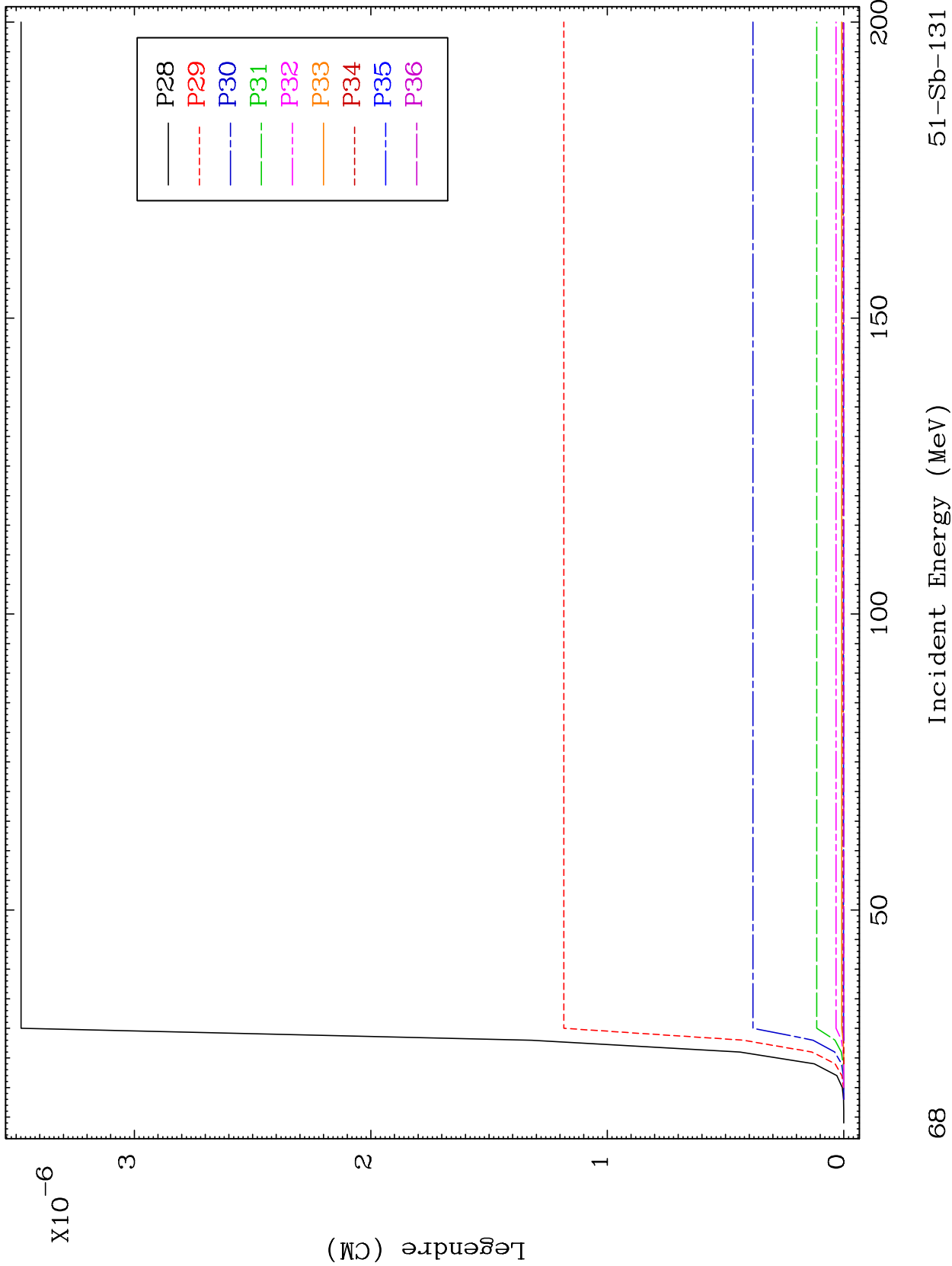
51-Sb-131



MAT 5155

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

51-Sb-131



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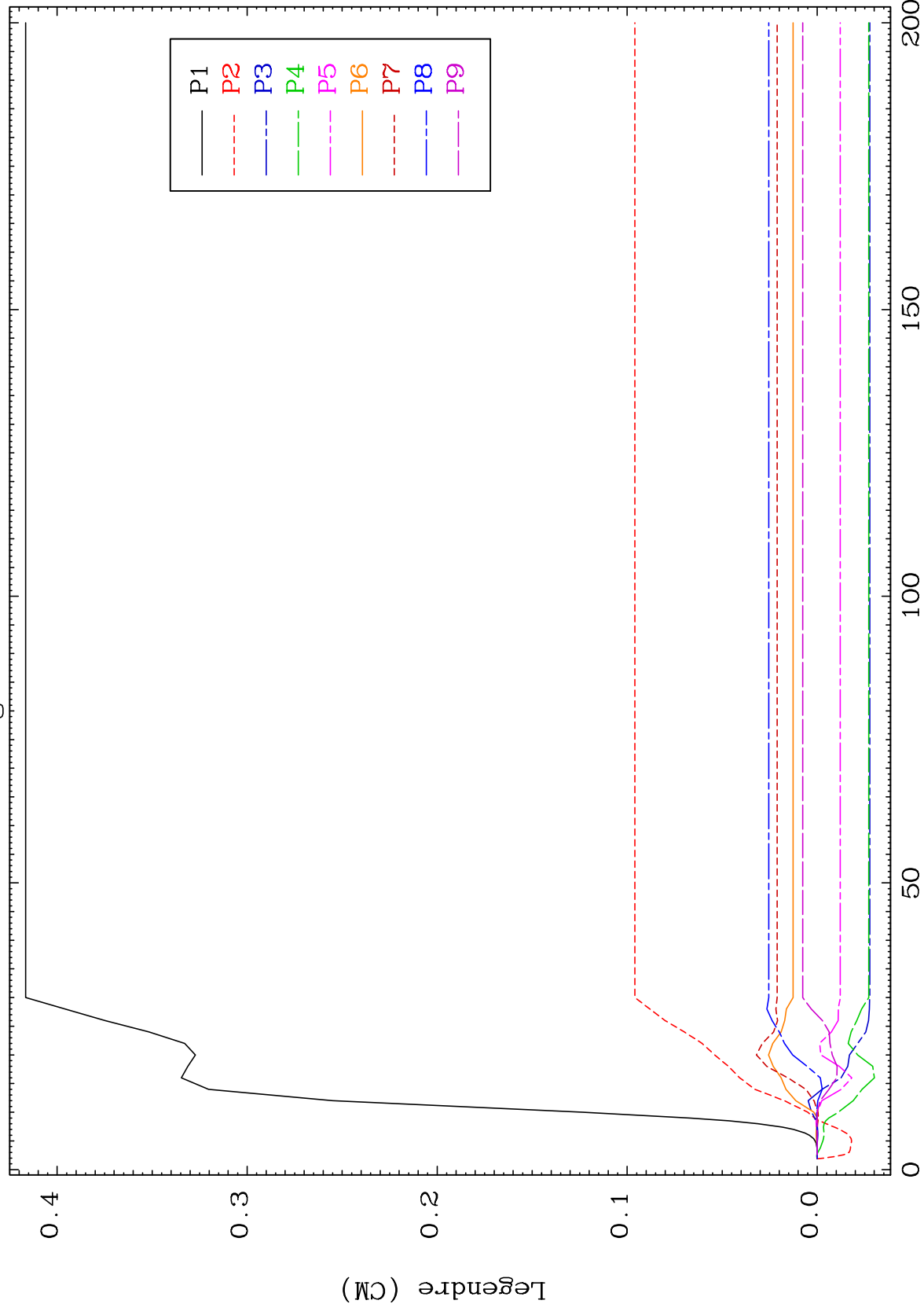
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



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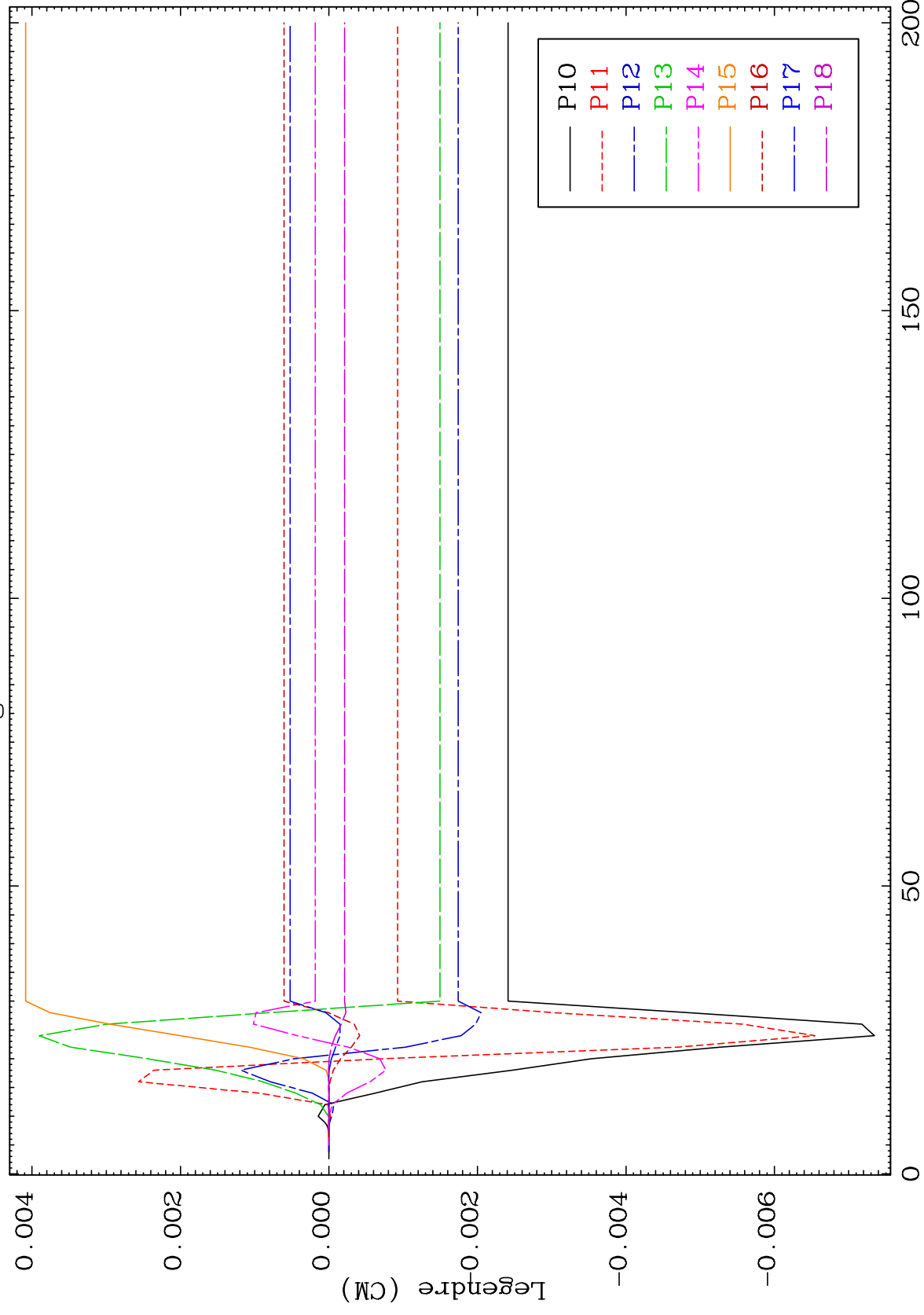
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

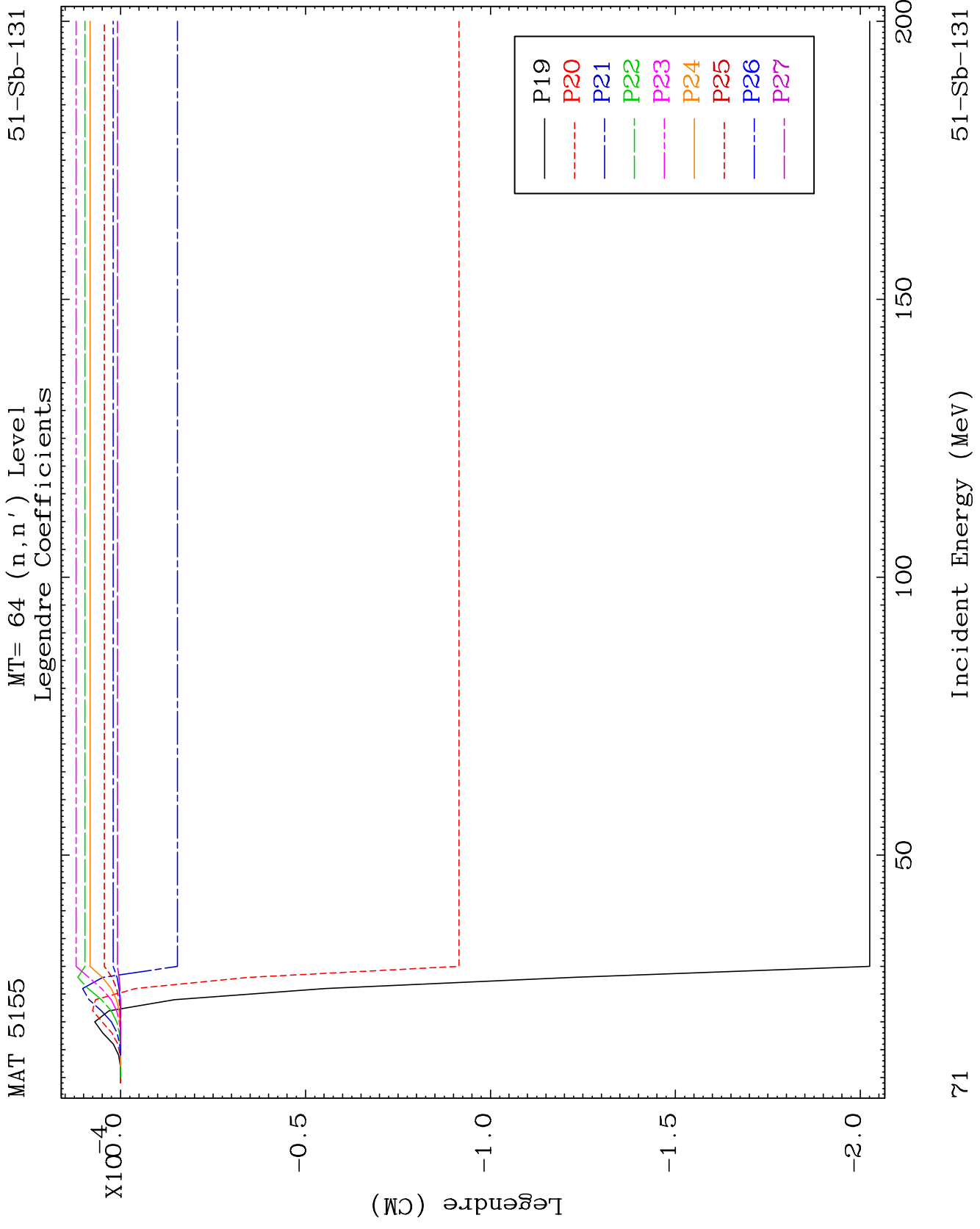
51-Sb-131



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Incident Energy (MeV)

51-Sb-131

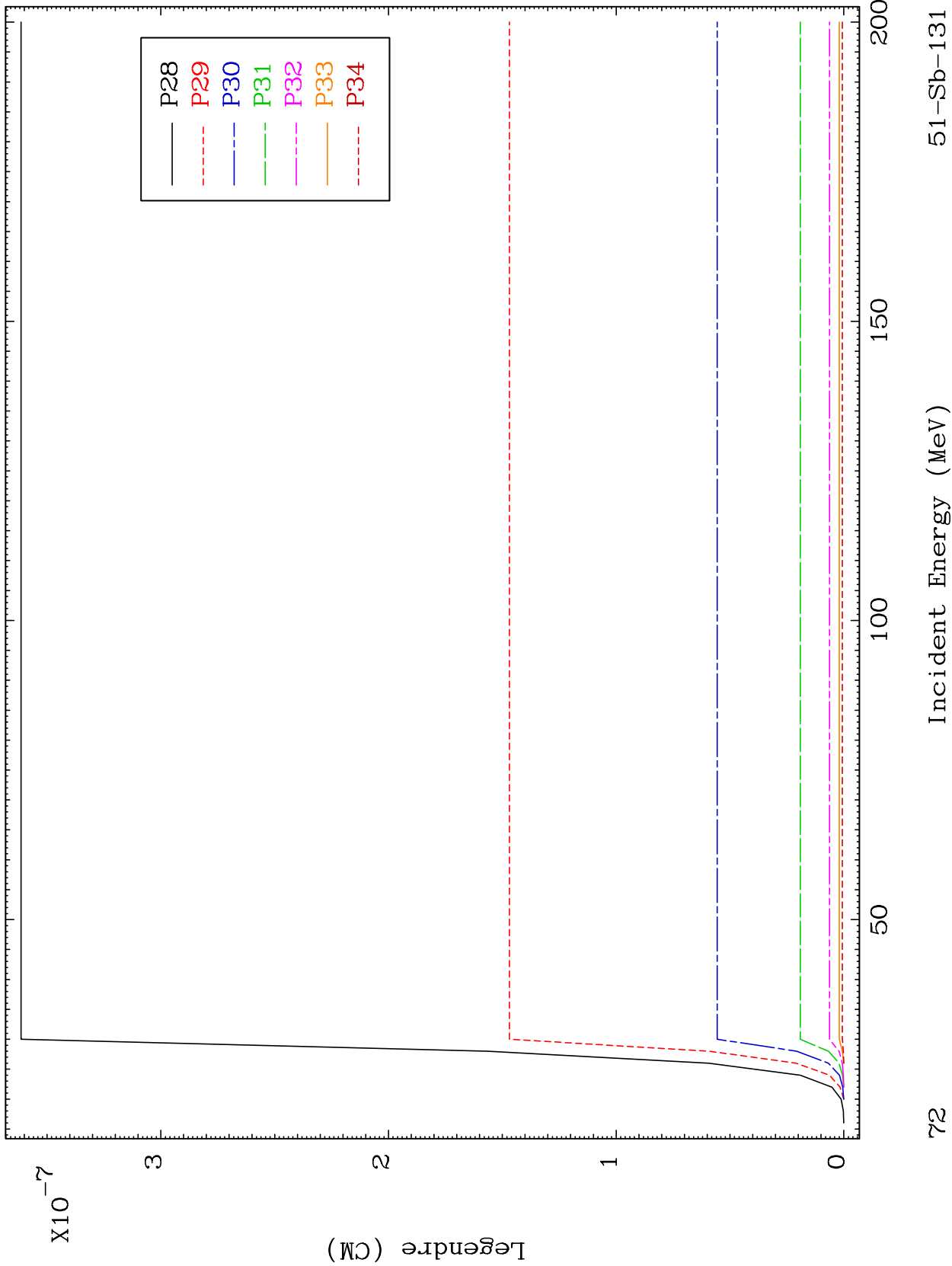




MAT 5155

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

51-Sb-131



72

Incident Energy (MeV)

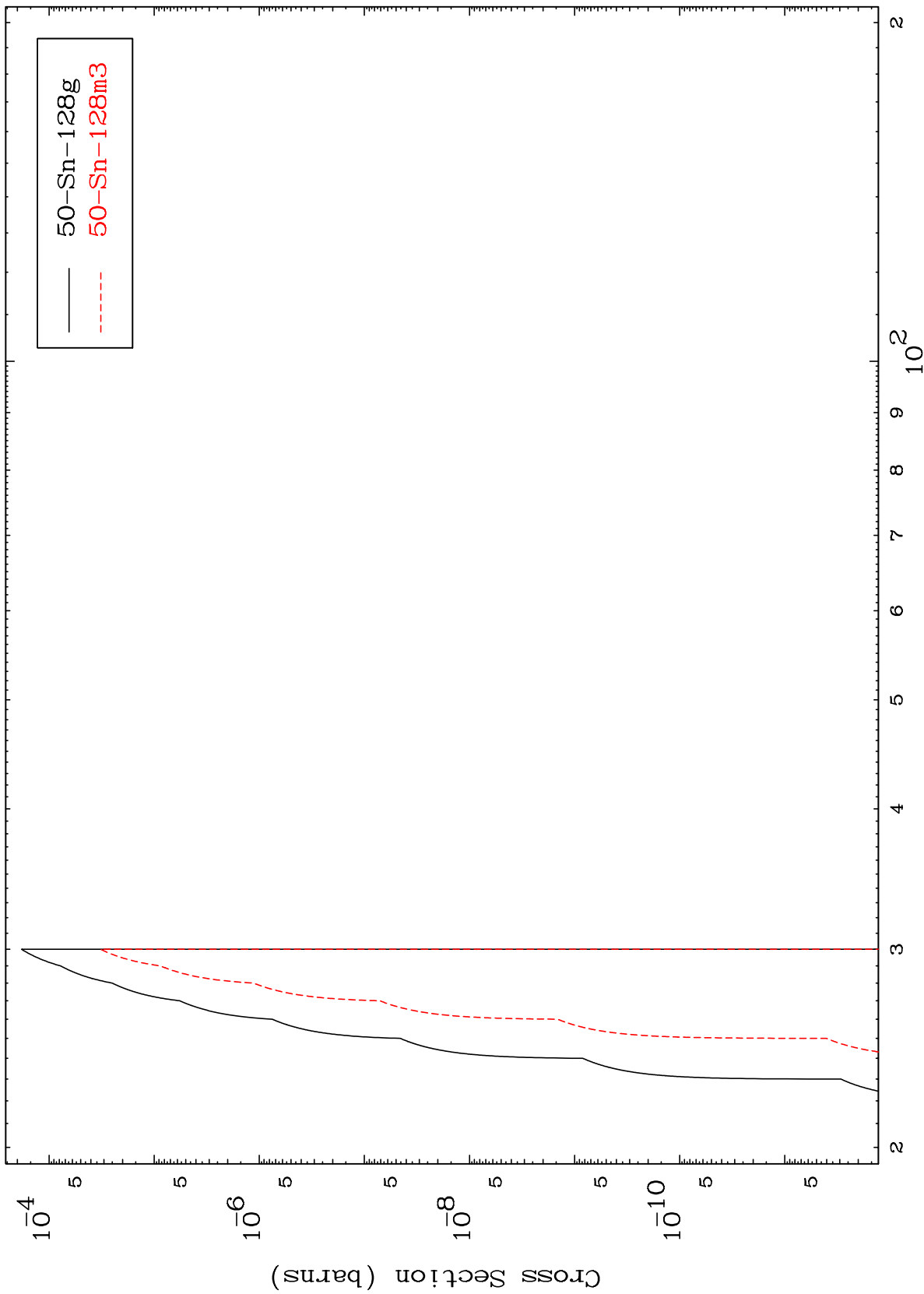
51-Sb-131

MAT 5155

(n,2n) d

51-Sb-131

Radionuclide Production Cross Section



73

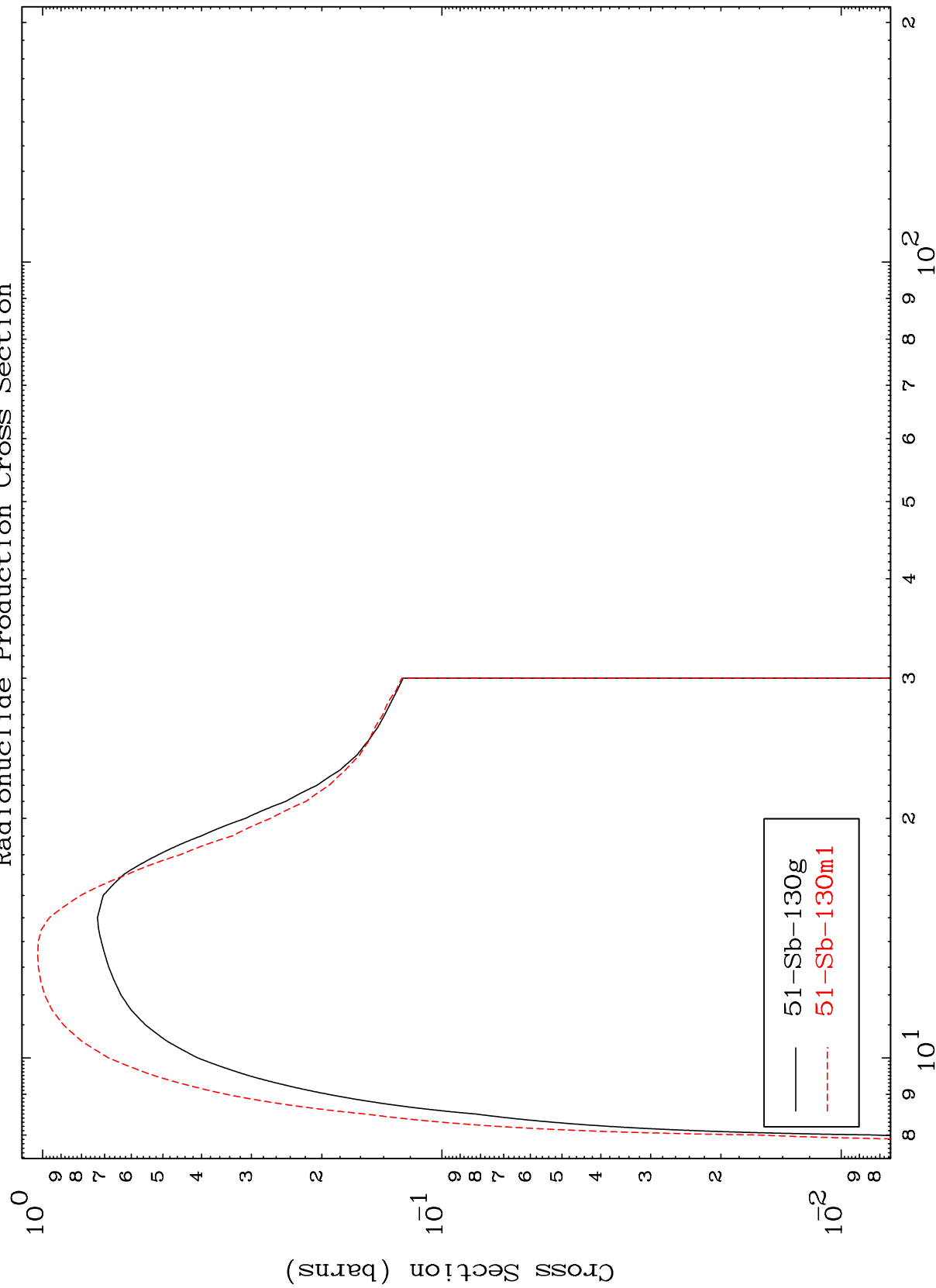
Incident Energy (MeV)

51-Sb-131

MAT 5155

51-Sb-131

(n,2n)  
Radionuclide Production Cross Section



51-Sb-130g  
51-Sb-130m1

74

Incident Energy (MeV)

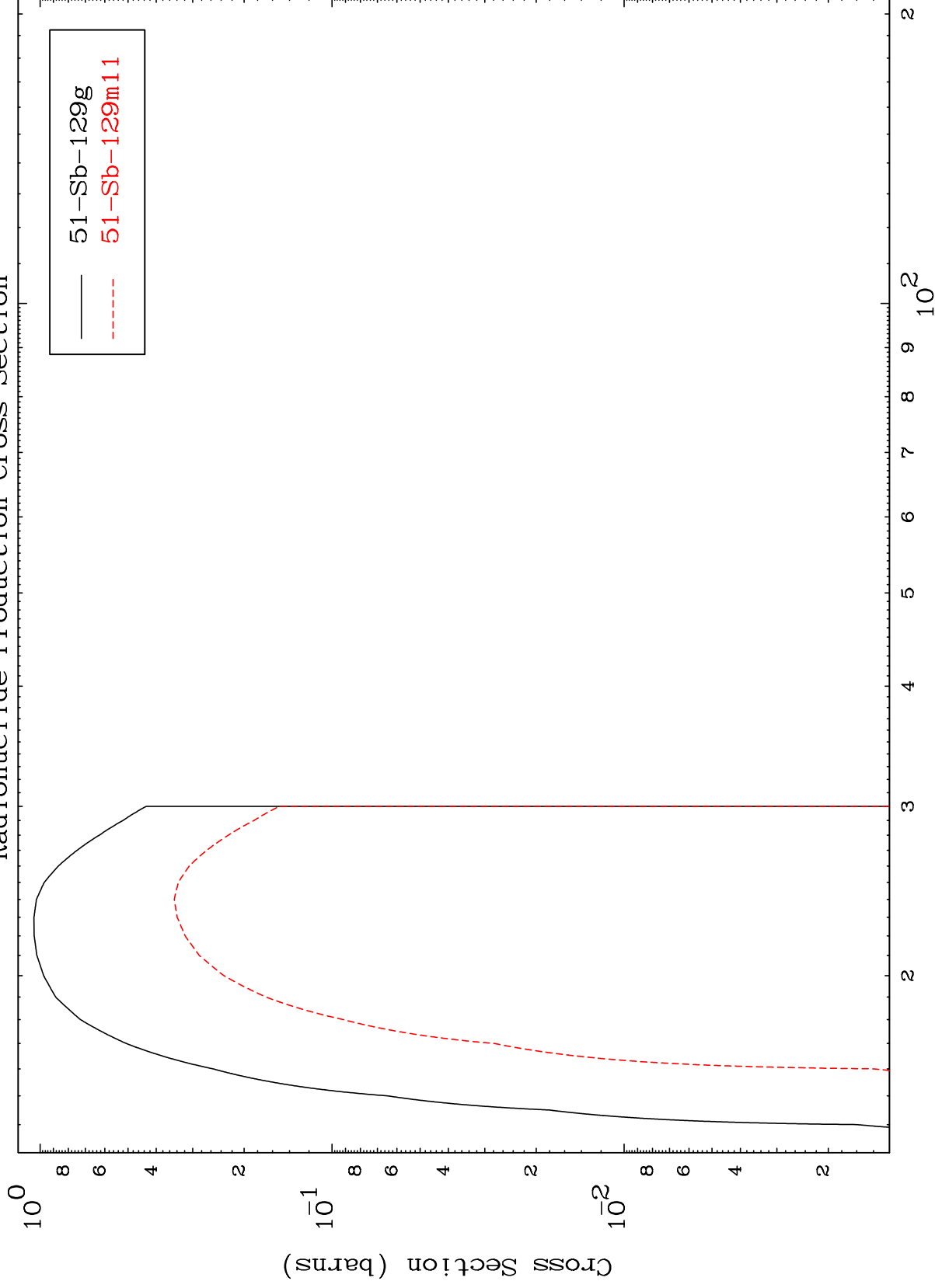
51-Sb-131

MAT 5155

(n,3n)

51-Sb-131

Radionuclide Production Cross Section



75

Incident Energy (MeV)

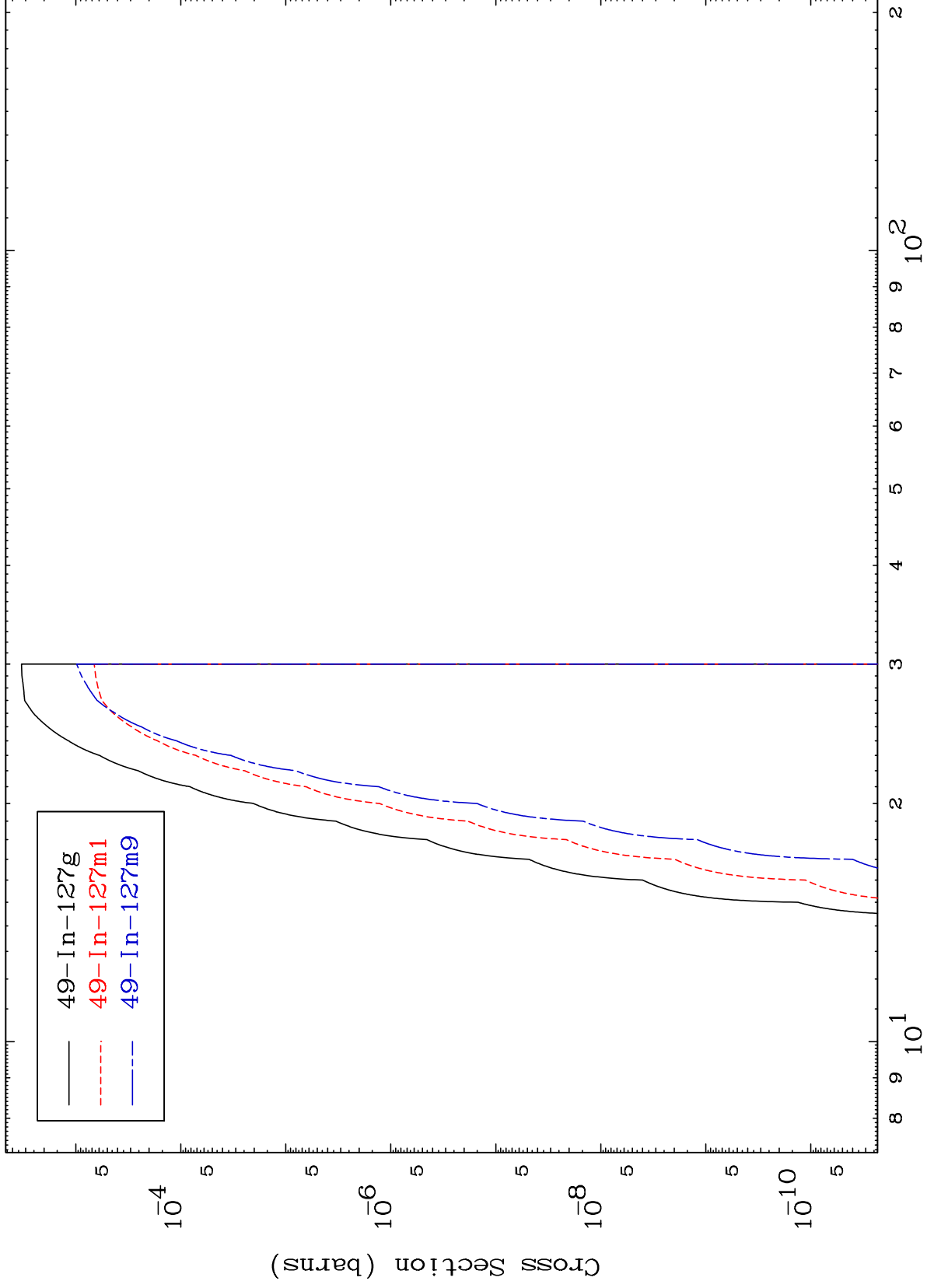
51-Sb-131

MAT 5155

51-Sb-131

(n,n')  $\alpha$

Radionuclide Production Cross Section



76

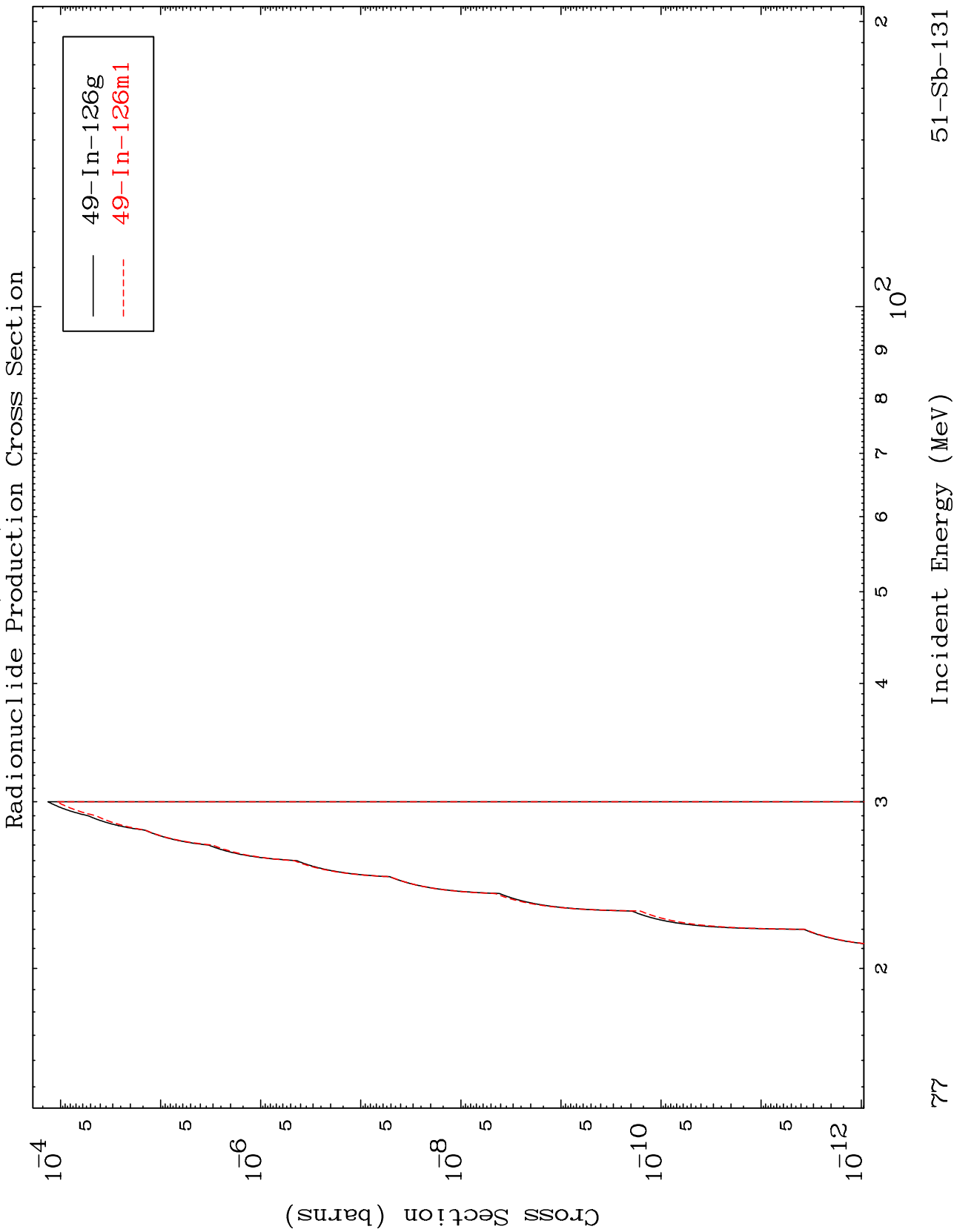
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,2n)  $\alpha$

51-Sb-131



77

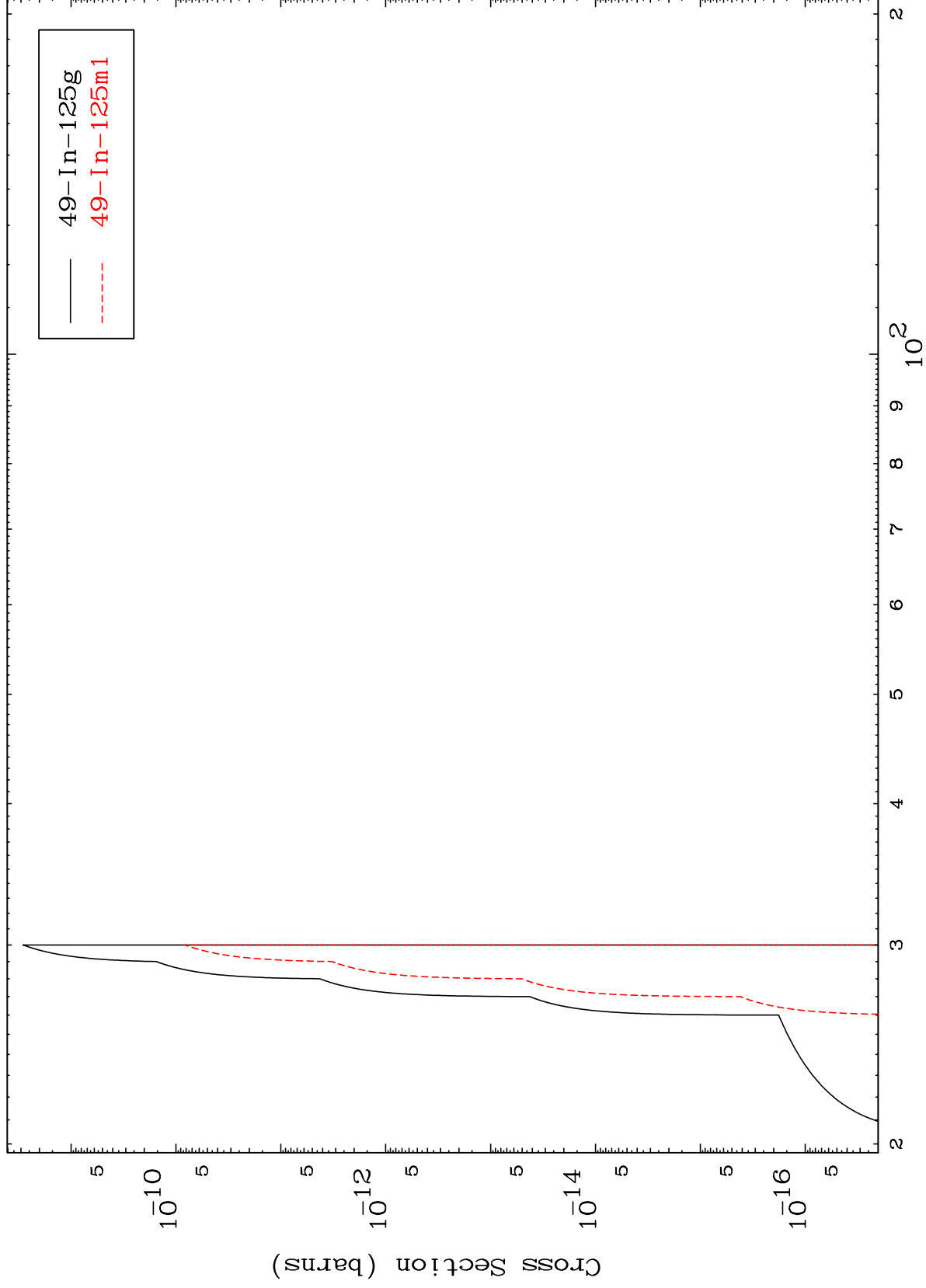
51-Sb-131

MAT 5155

(n,3n)  $\alpha$

51-Sb-131

Radionuclide Production Cross Section



78

Incident Energy (MeV)

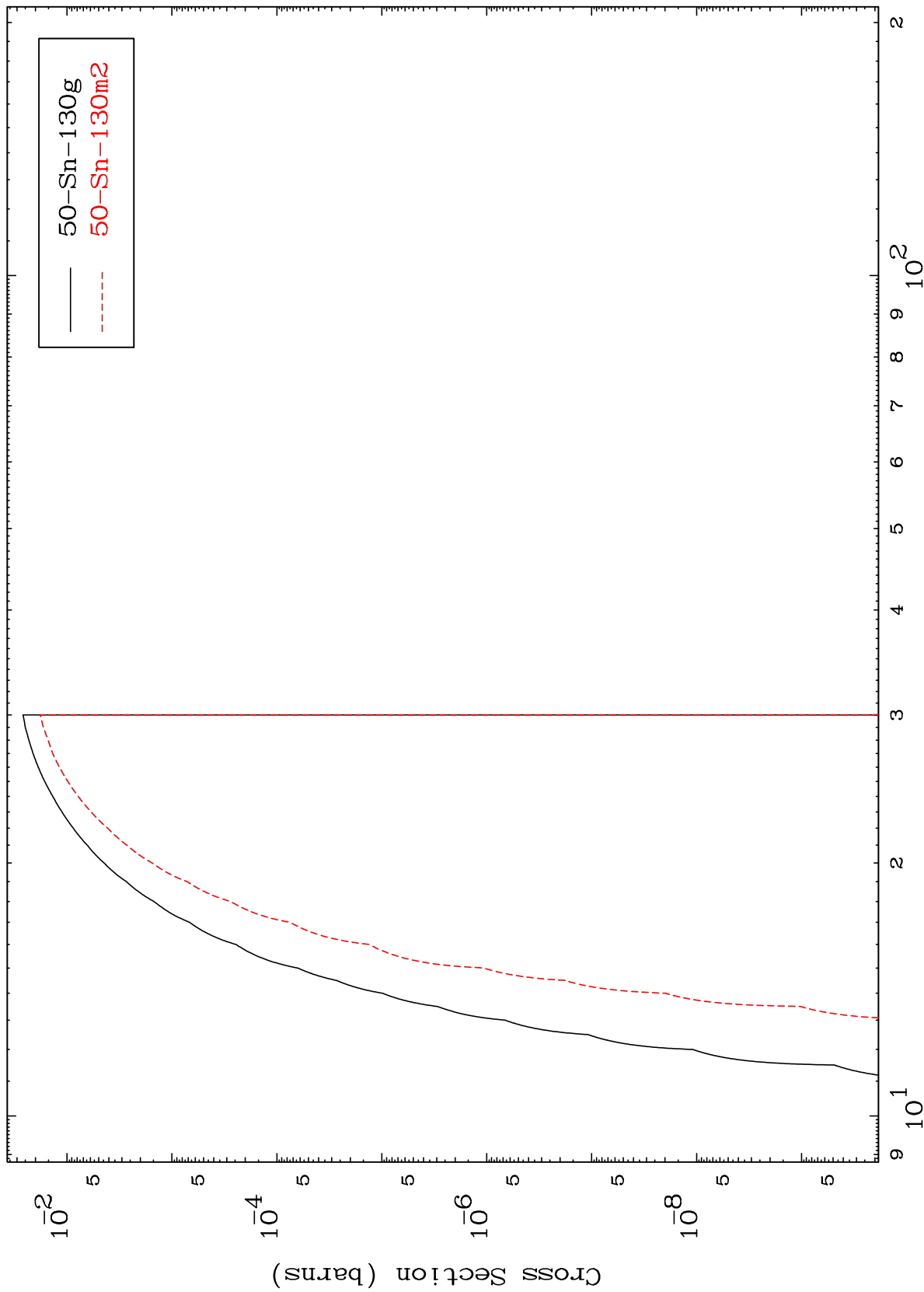
51-Sb-131

MAT 5155

(n,n') p

51-Sb-131

Radionuclide Production Cross Section



79

Incident Energy (MeV)

51-Sb-131

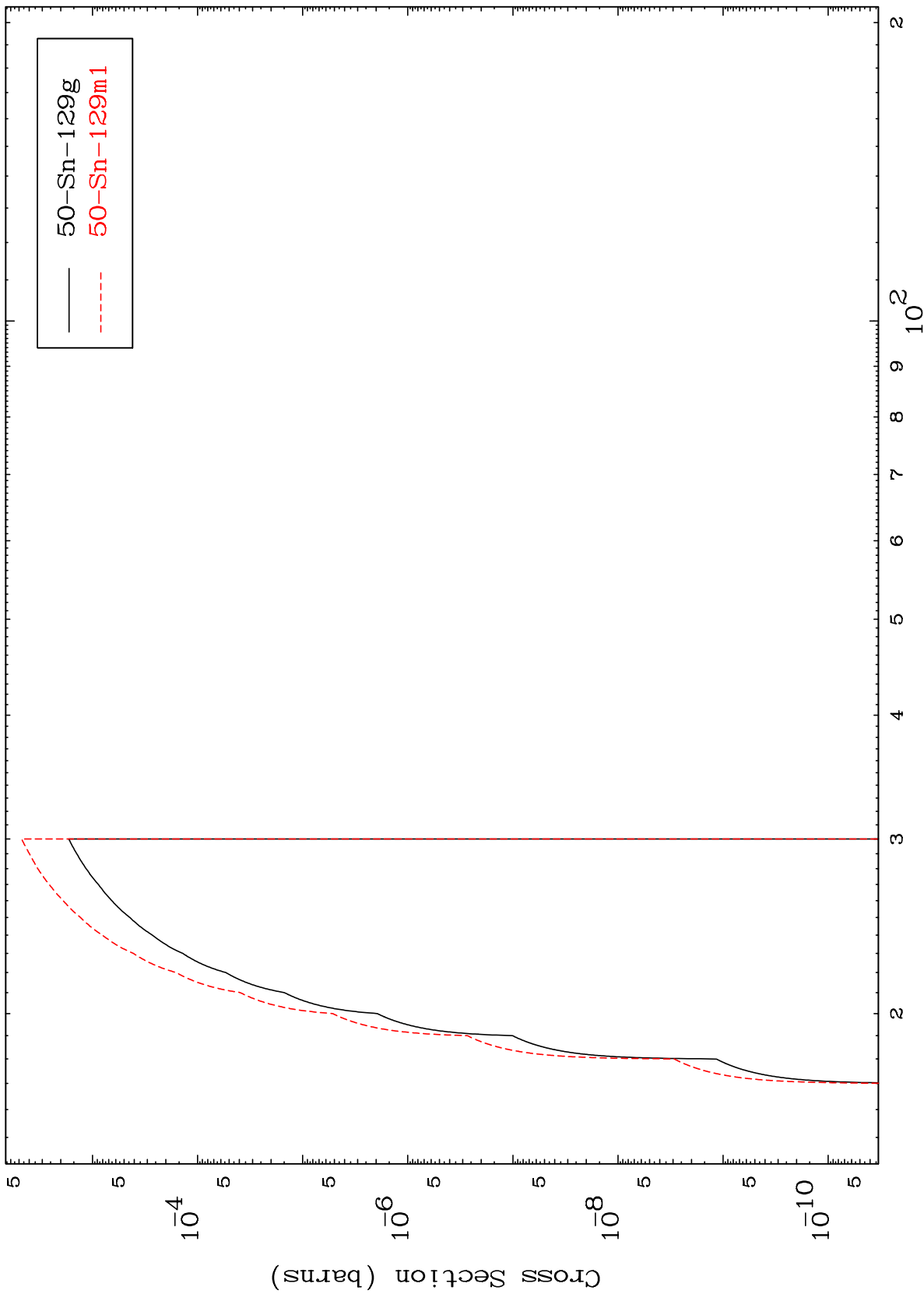


MAT 5155

(n,n') d

51-Sb-131

Radionuclide Production Cross Section

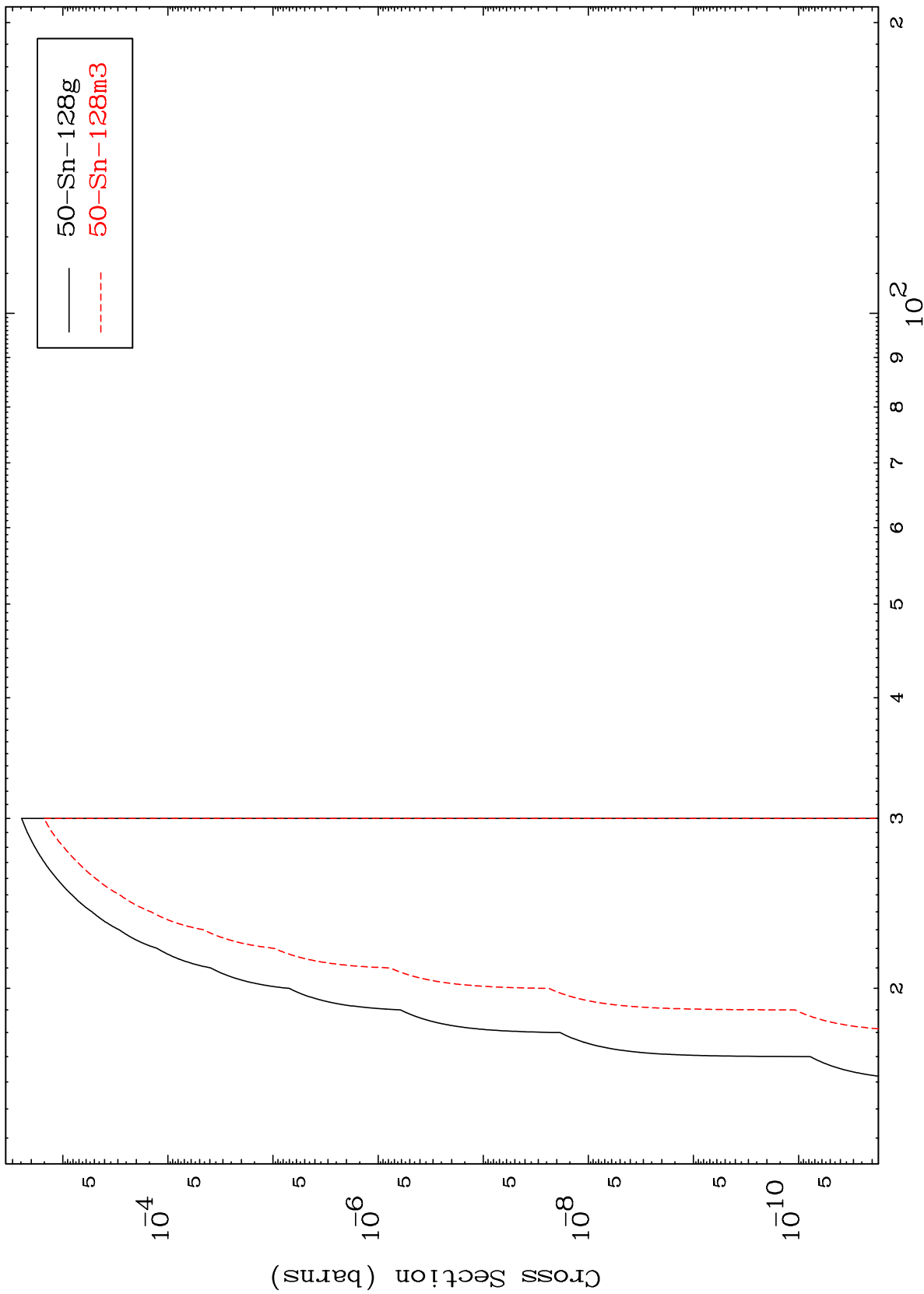


80

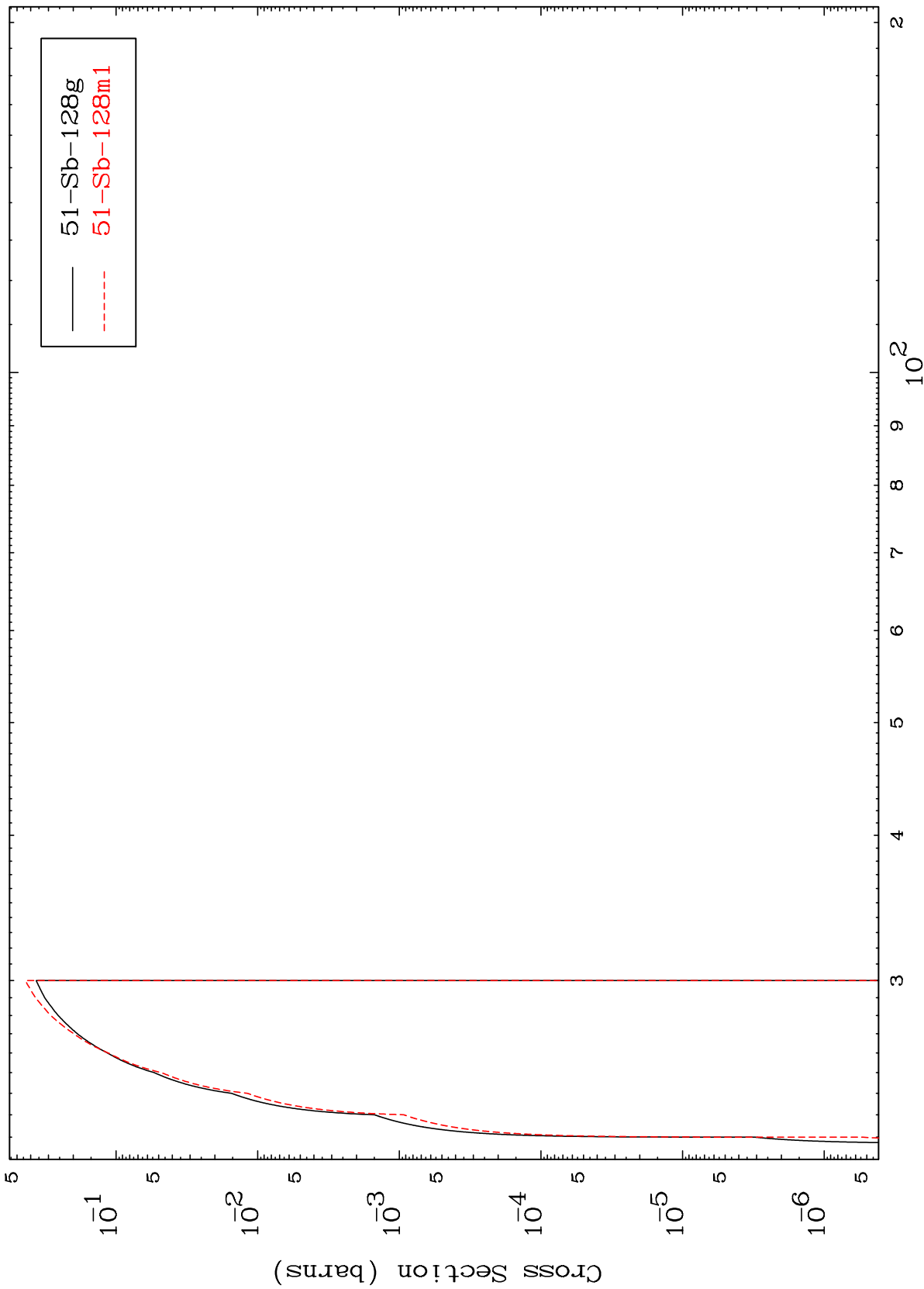
Incident Energy (MeV)

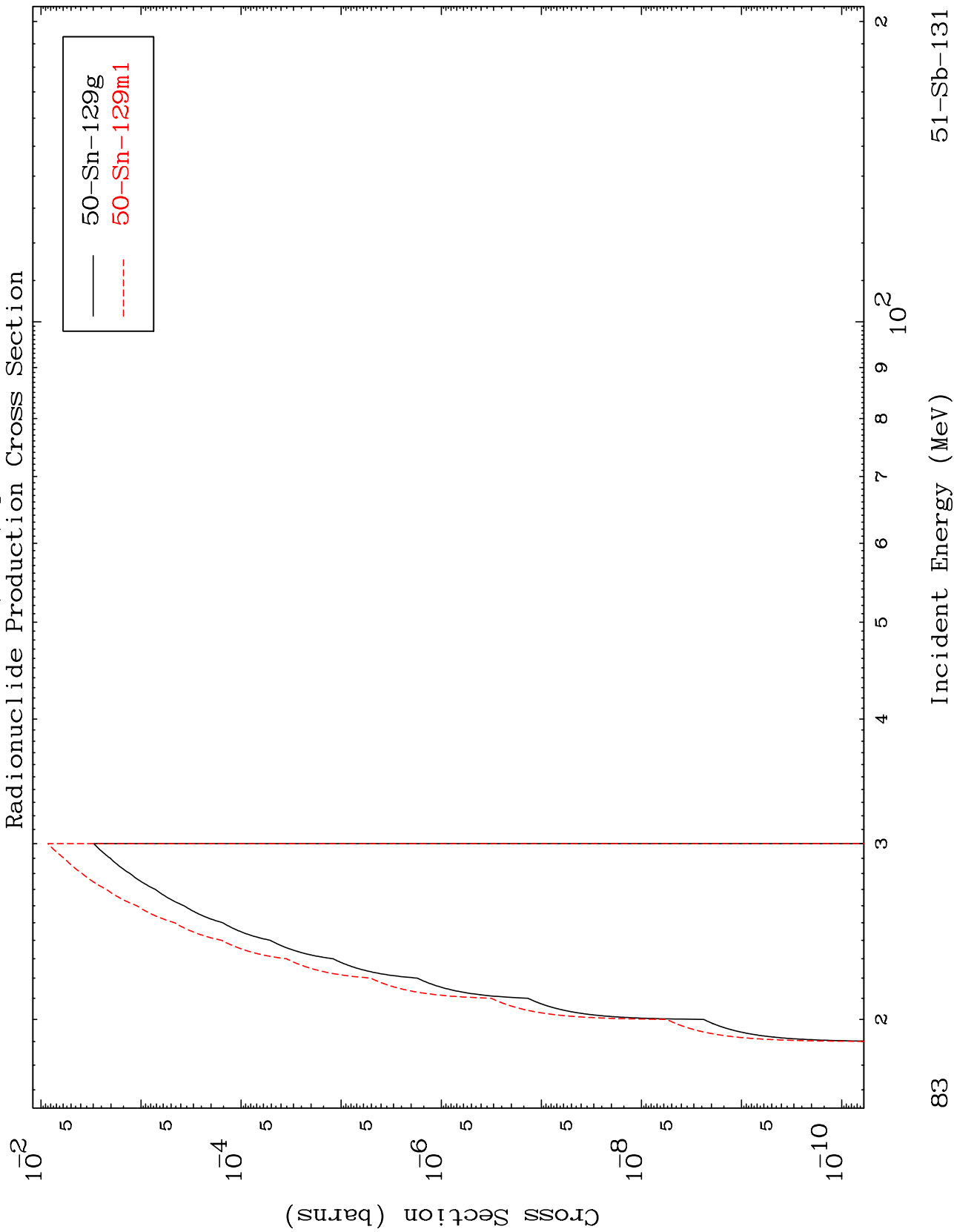
51-Sb-131

Radionuclide Production Cross Section

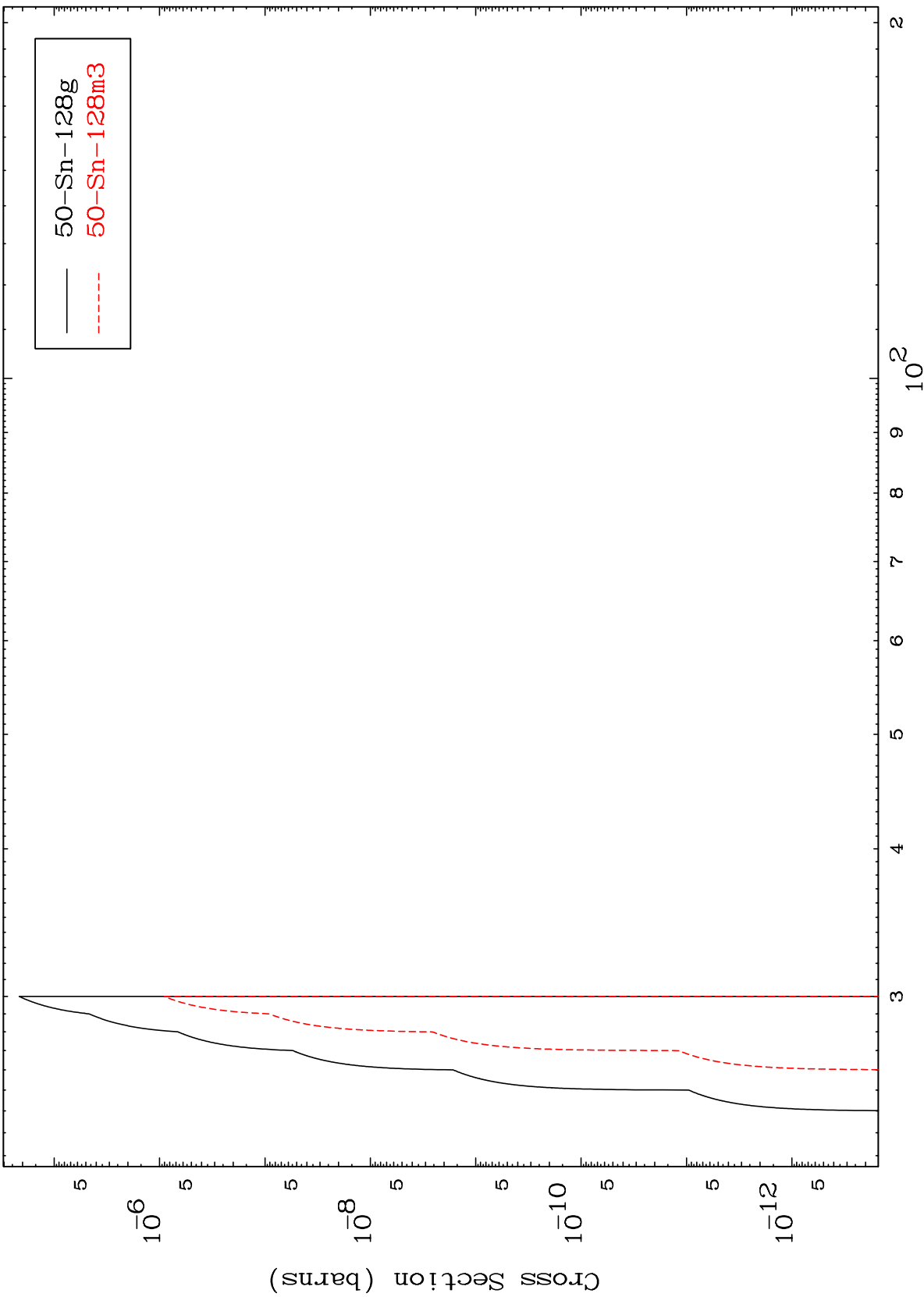


(n,4n)  
Radionuclide Production Cross Section





Radionuclide Production Cross Section

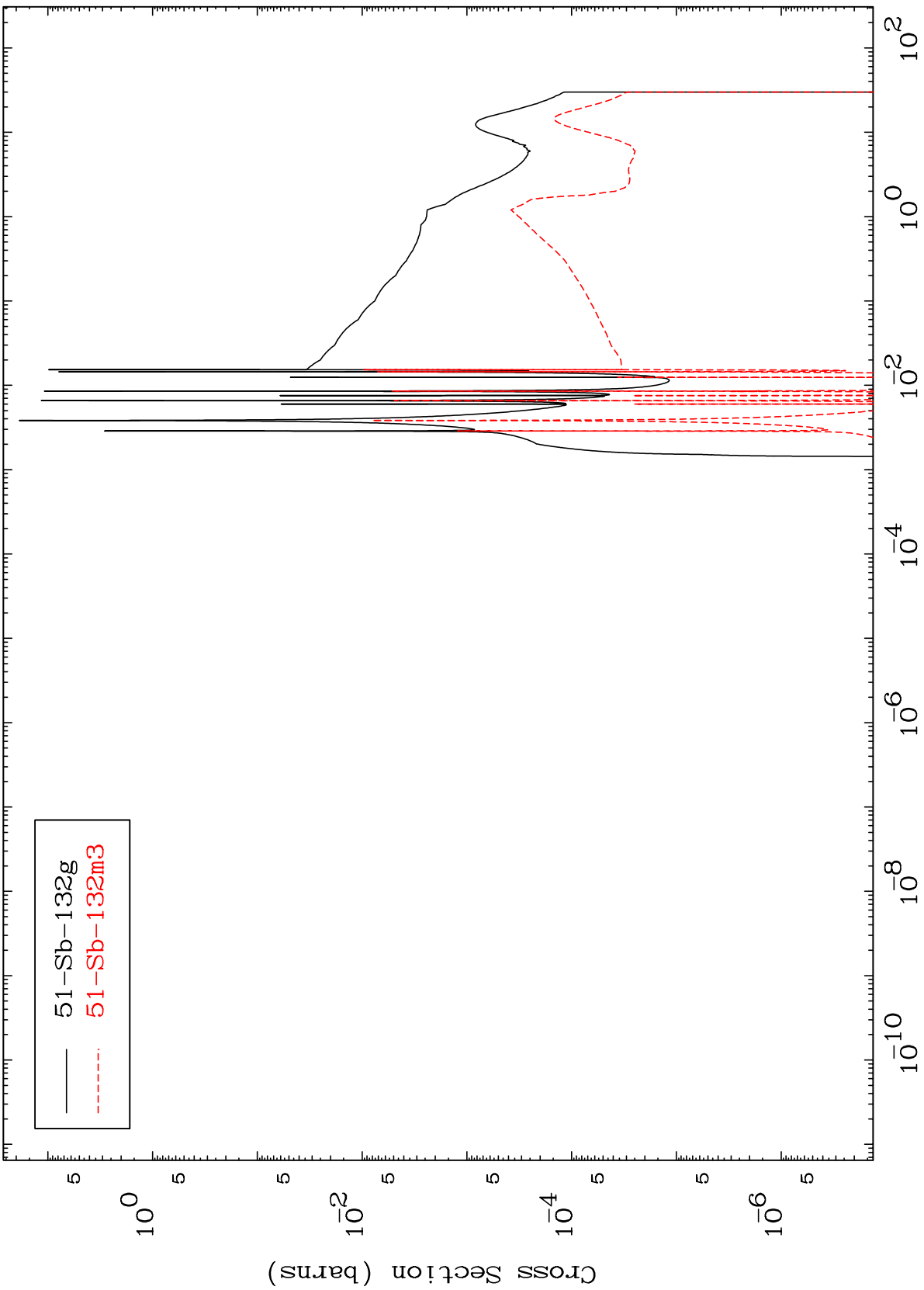


MAT 5155

(n,  $\gamma$ )

51-Sb-131

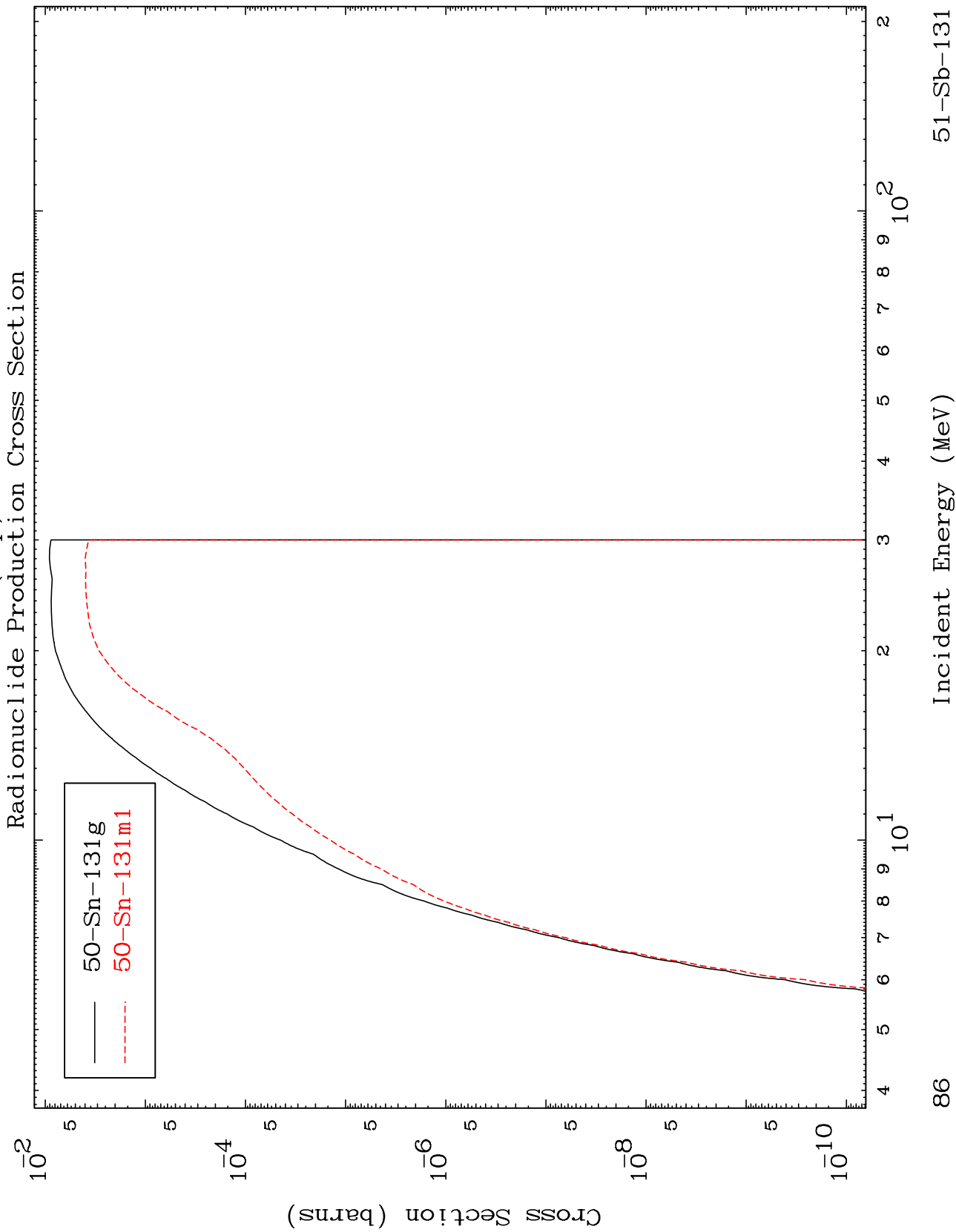
Radionuclide Production Cross Section



51-Sb-132g  
51-Sb-132m3

MAT 5155

51-Sb-131

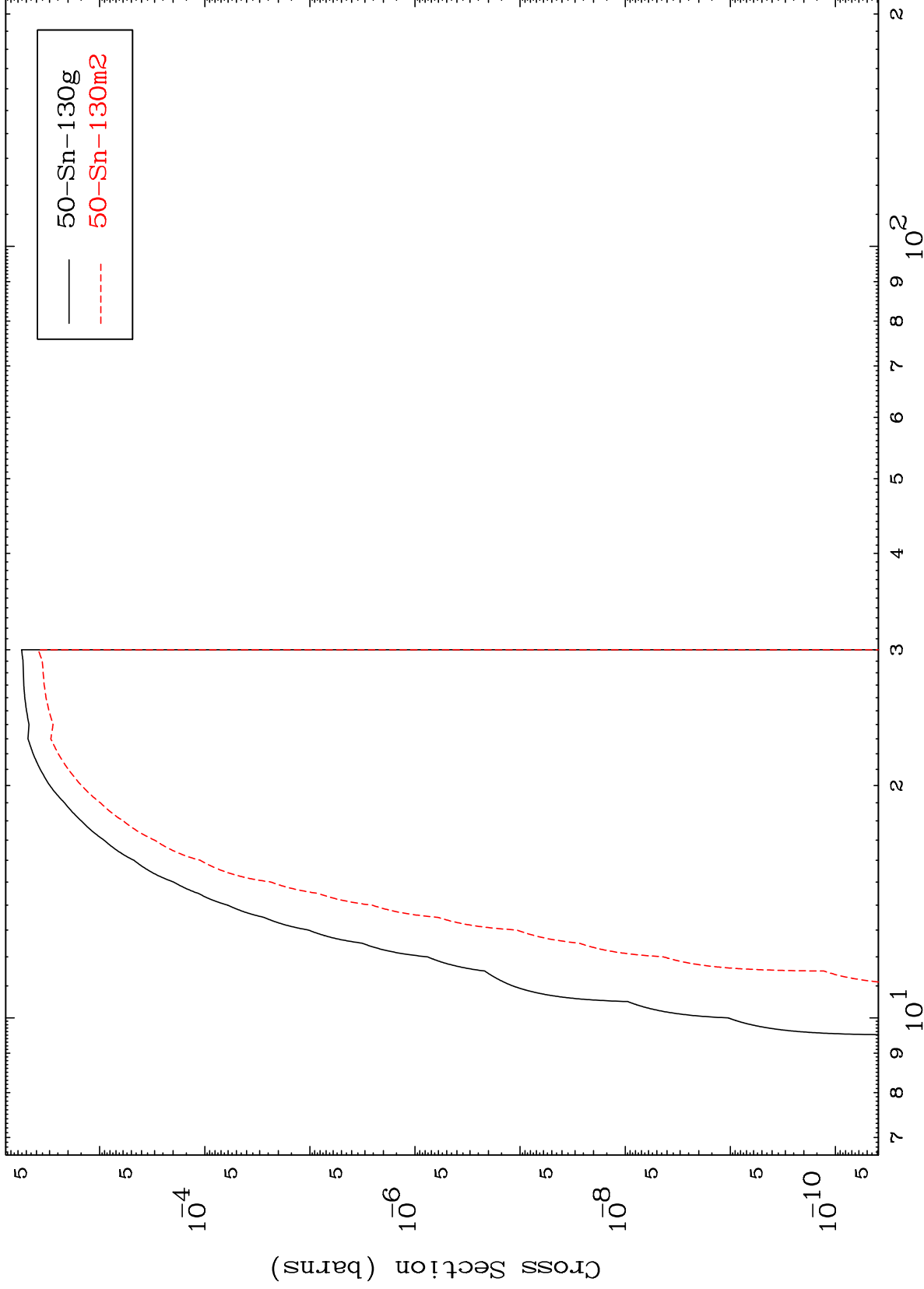


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(n,d)

51-Sb-131

Radionuclide Production Cross Section



87

Incident Energy (MeV)

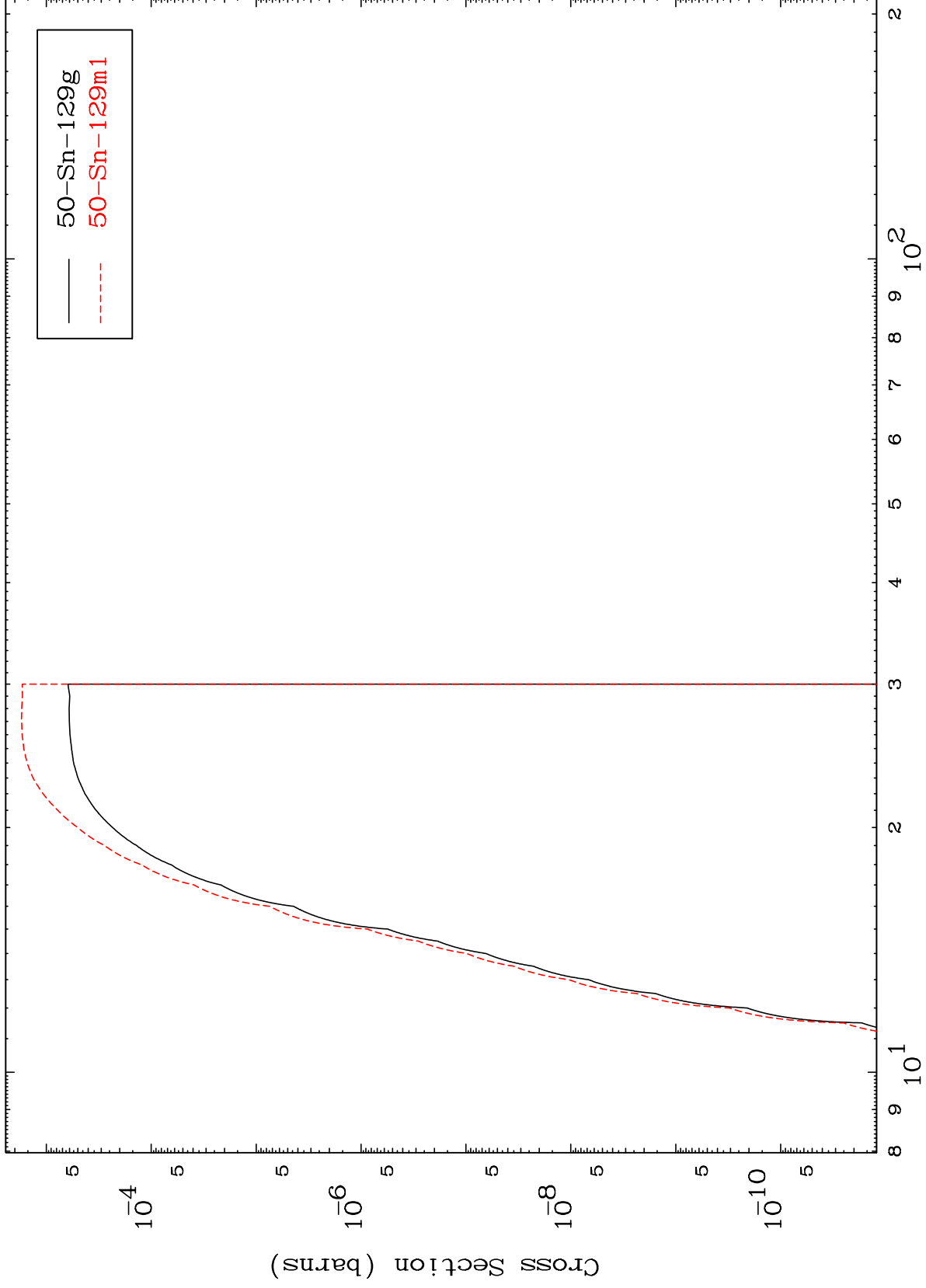
51-Sb-131



MAT 5155

51-Sb-131

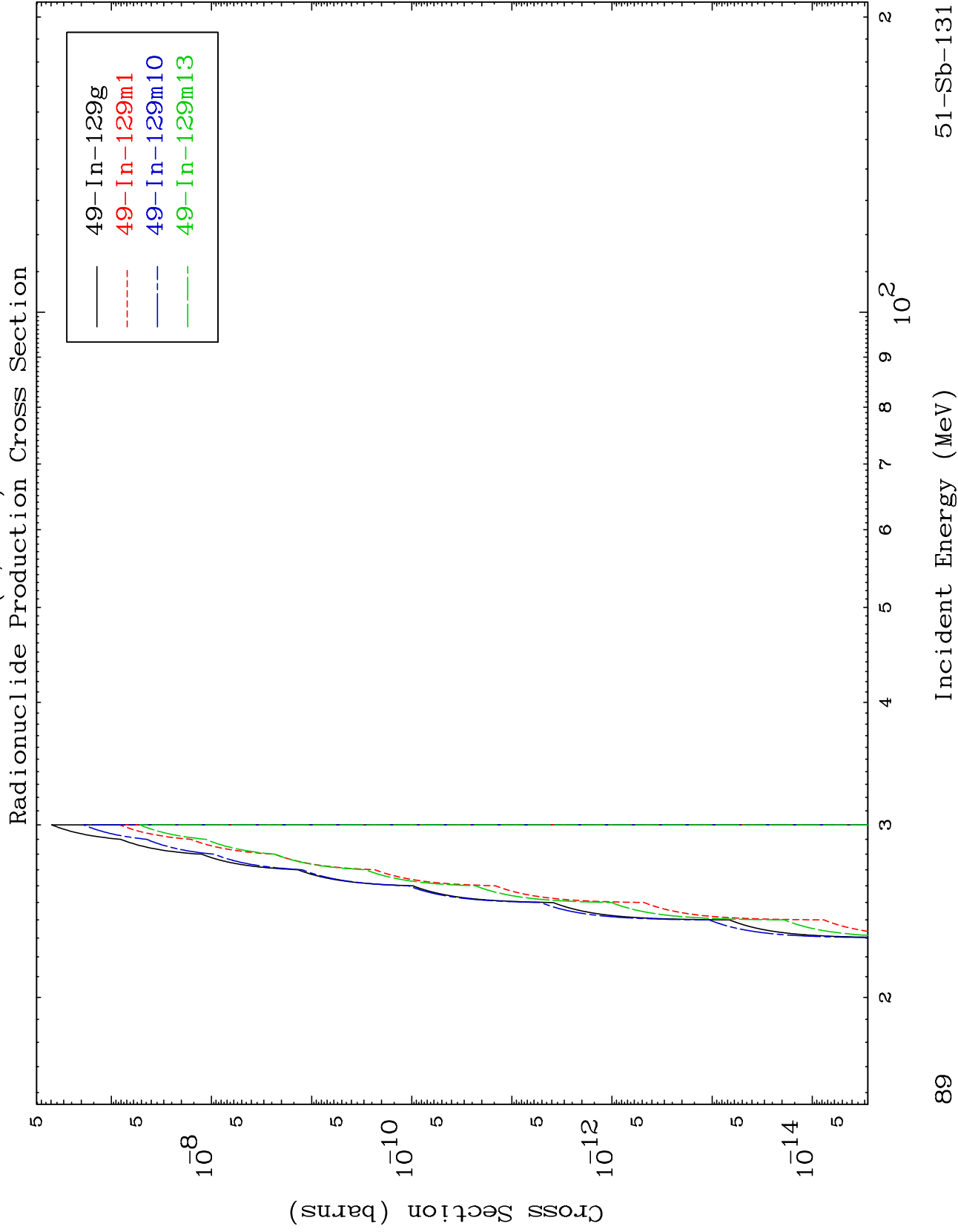
(n,t)  
Radionuclide Production Cross Section



88

Incident Energy (MeV)

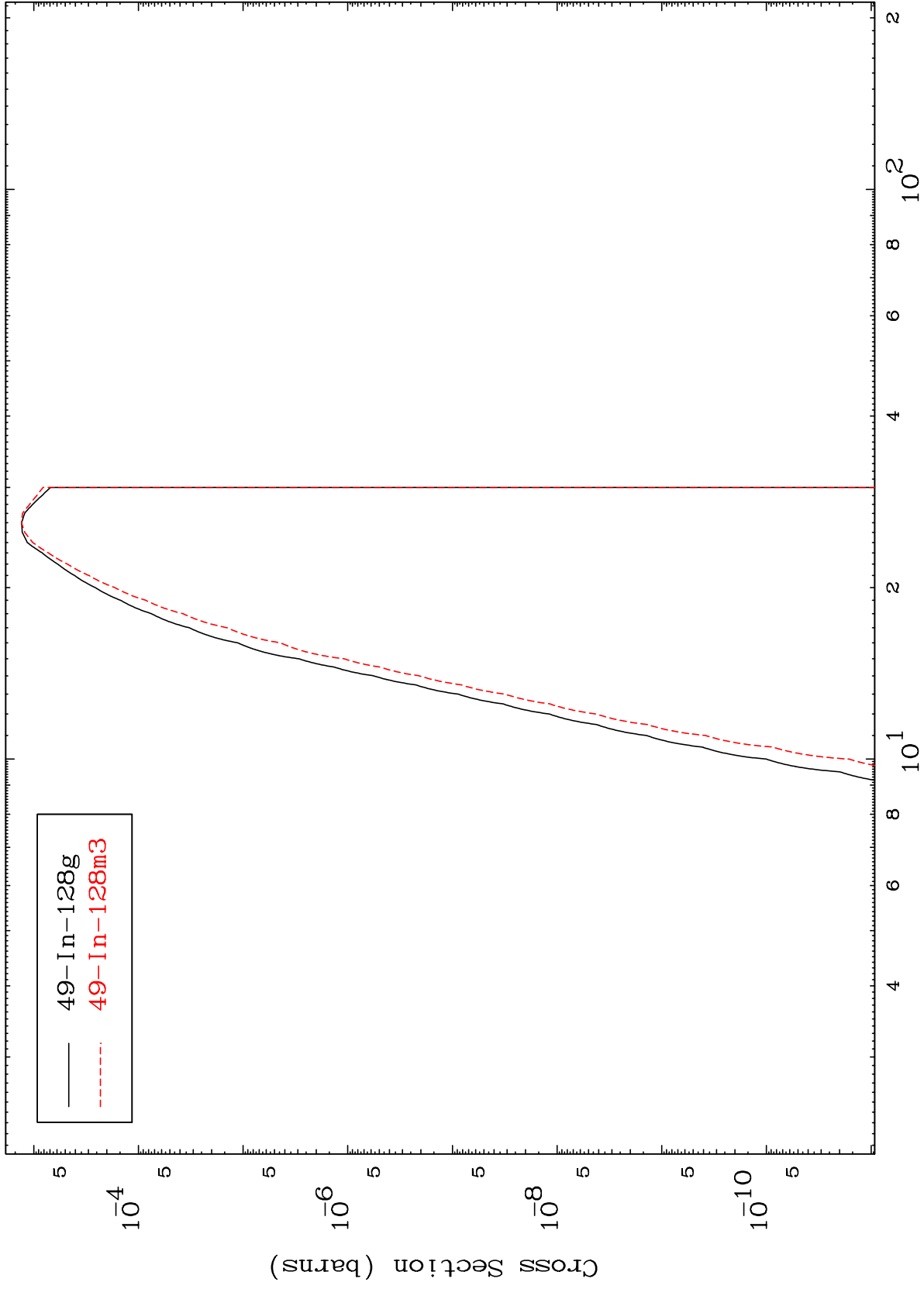
51-Sb-131



MAT 5155

51-Sb-131

(n,  $\alpha$ )  
Radionuclide Production Cross Section



90

51-Sb-131