

Program EVALPLOT  
(Version 2018-1)

by

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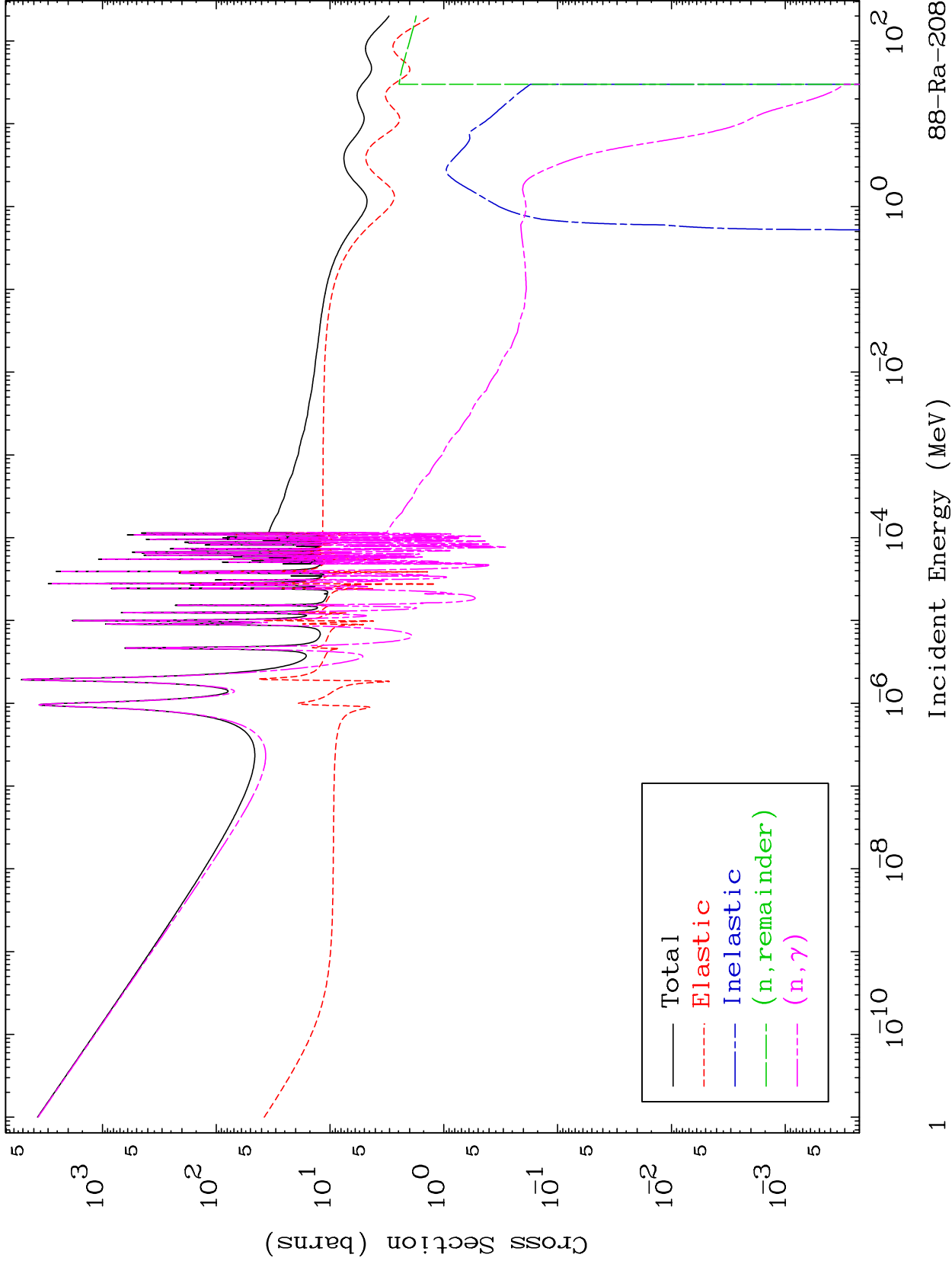
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8780

Major  
293 Kelvin Cross Sections

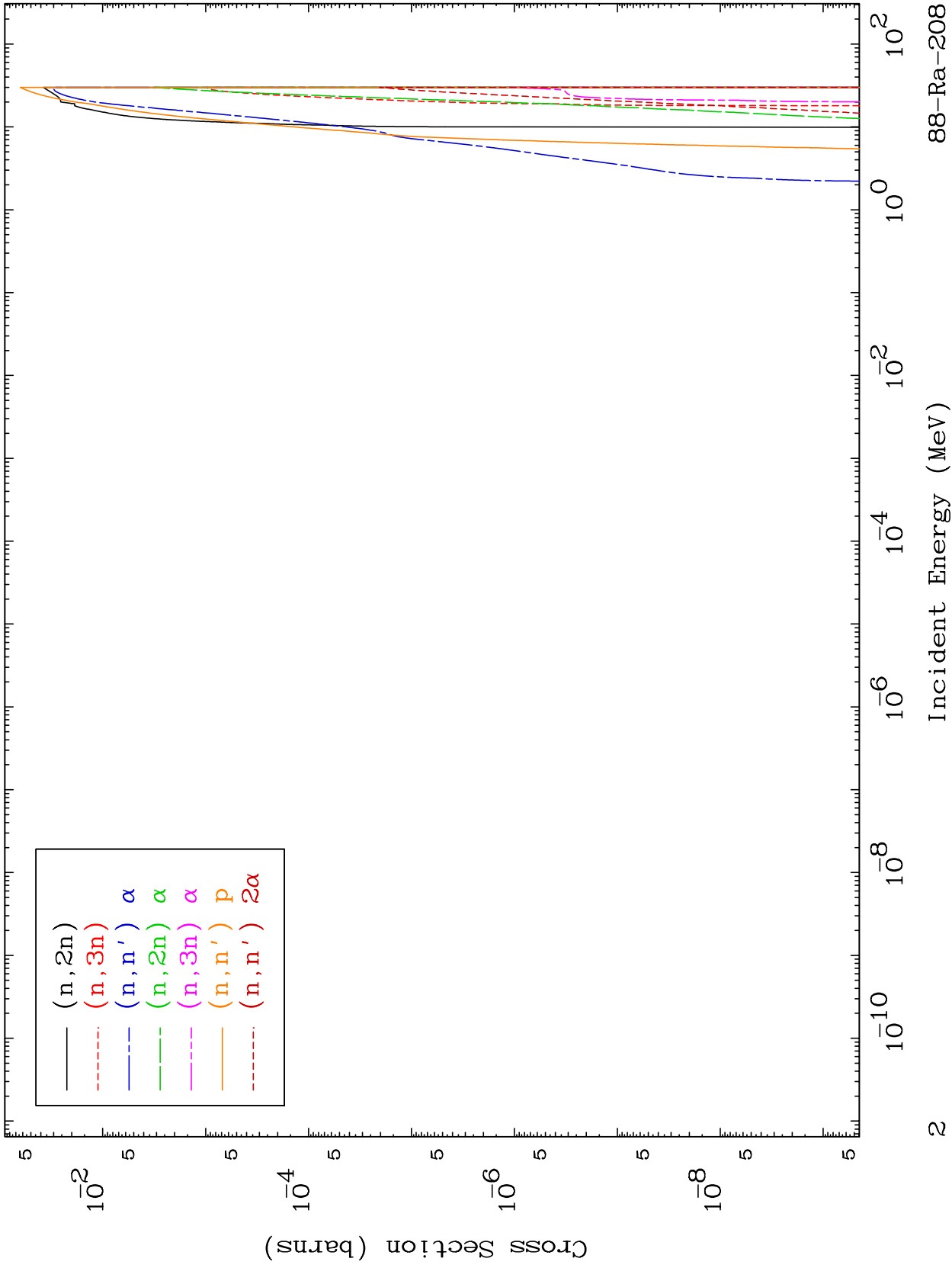
88-Ra-208



MAT 8780

Neutron Production  
293 Kelvin Cross Sections

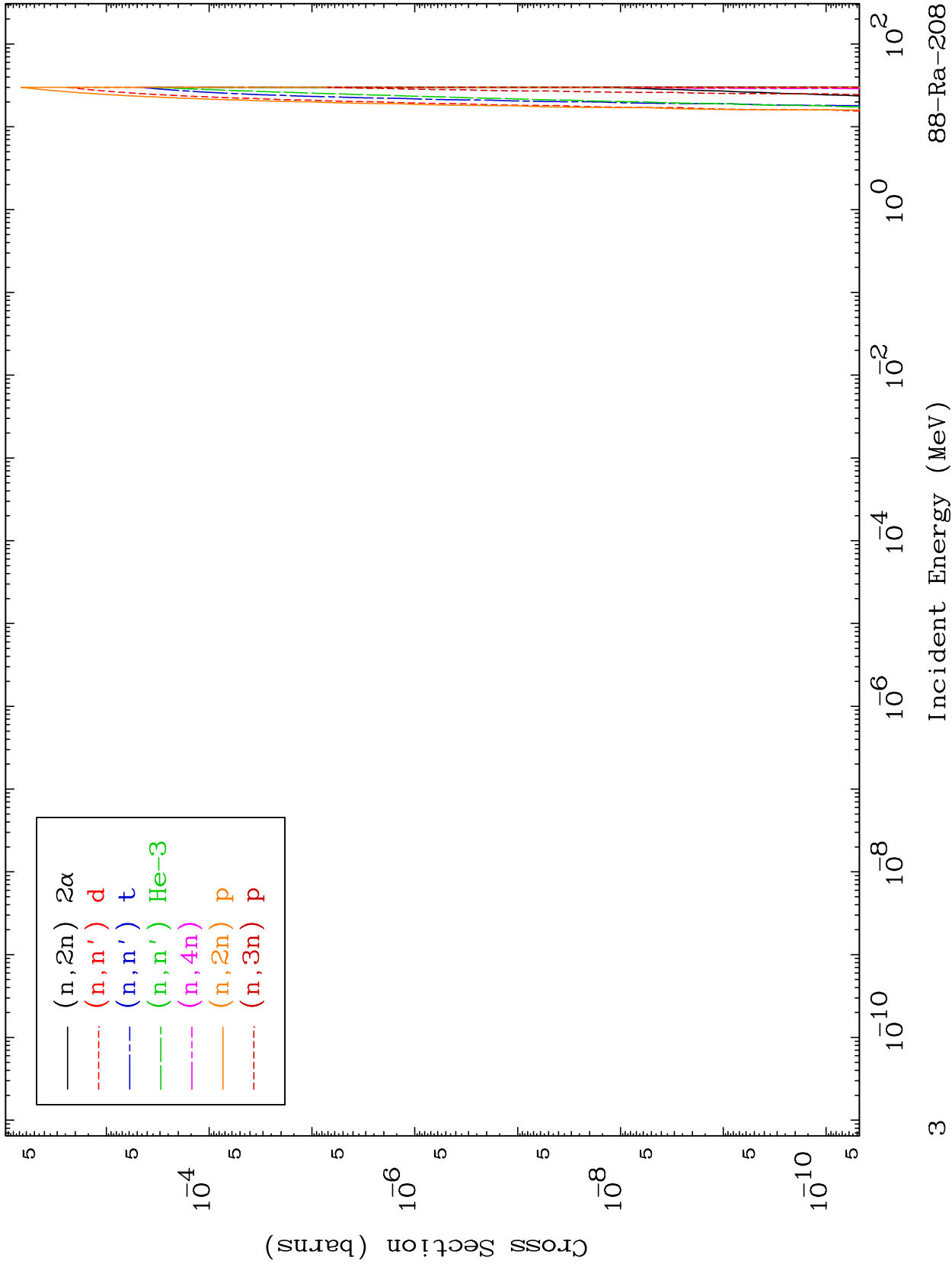
88-Ra-208



MAT 8780

Neutron Production  
293 Kelvin Cross Sections

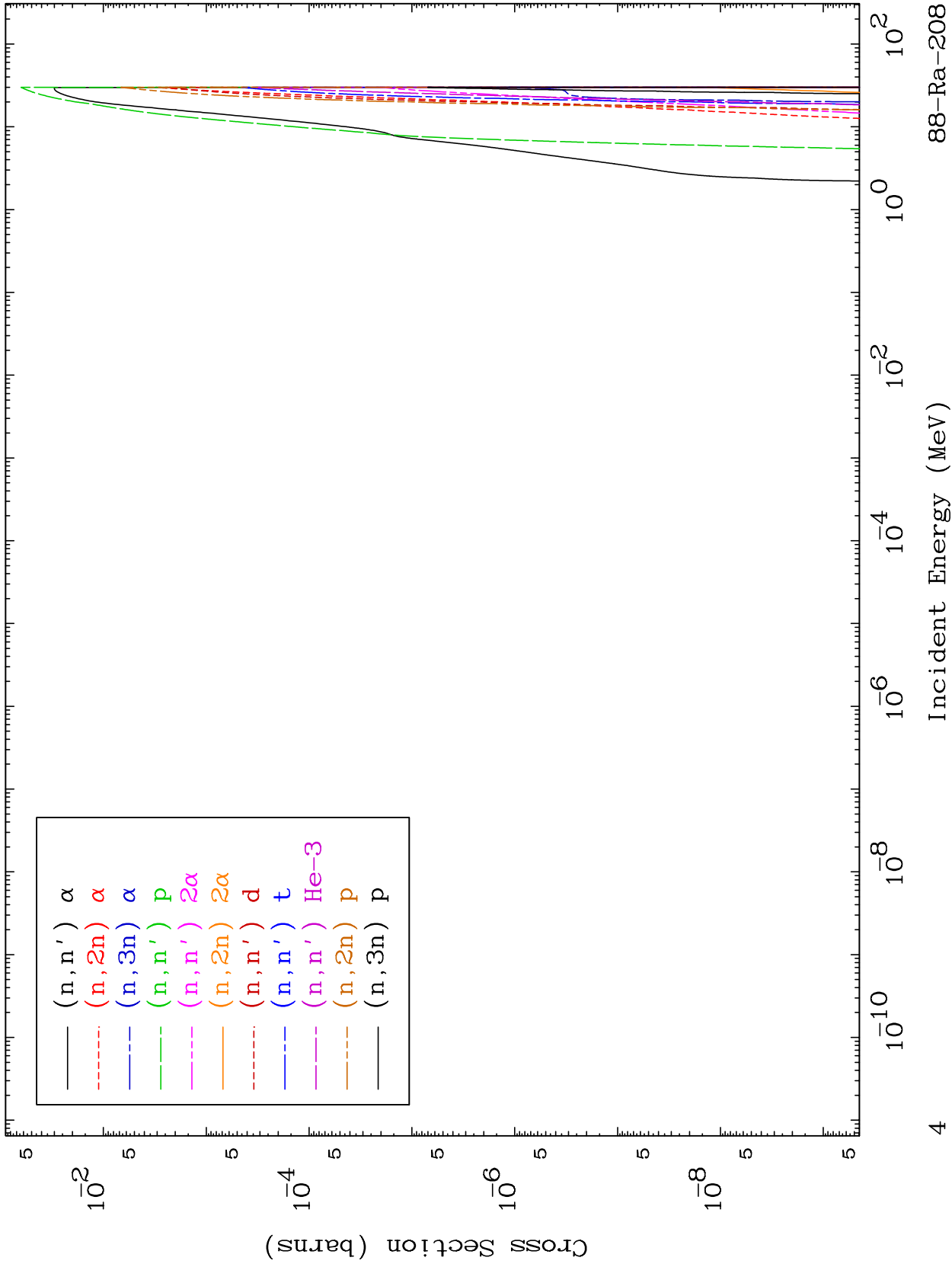
88-Ra-208



MAT 8780

Charged Particle  
293 Kelvin Cross Sections

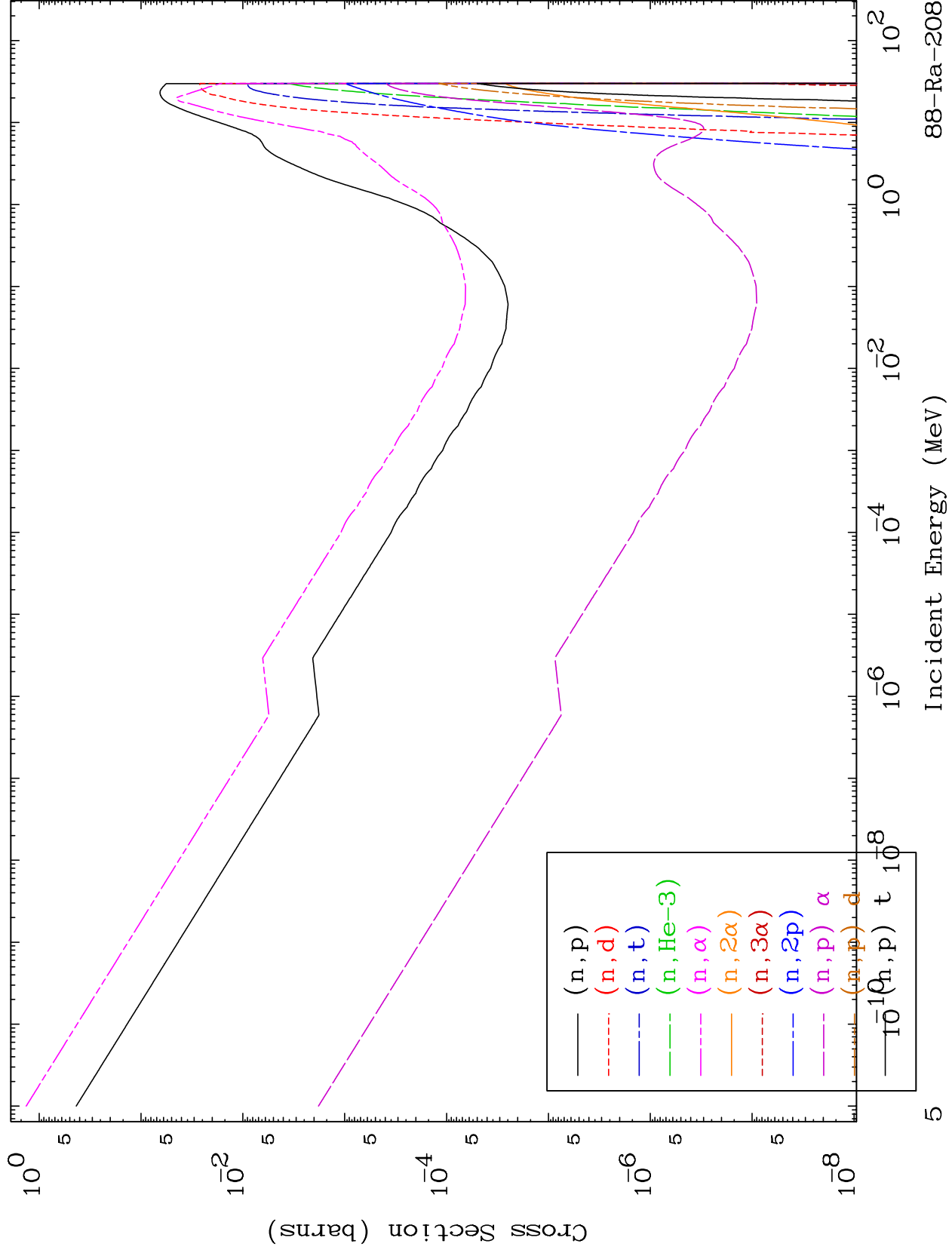
88-Ra-208



MAT 8780

Charged Particle  
293 Kelvin Cross Sections

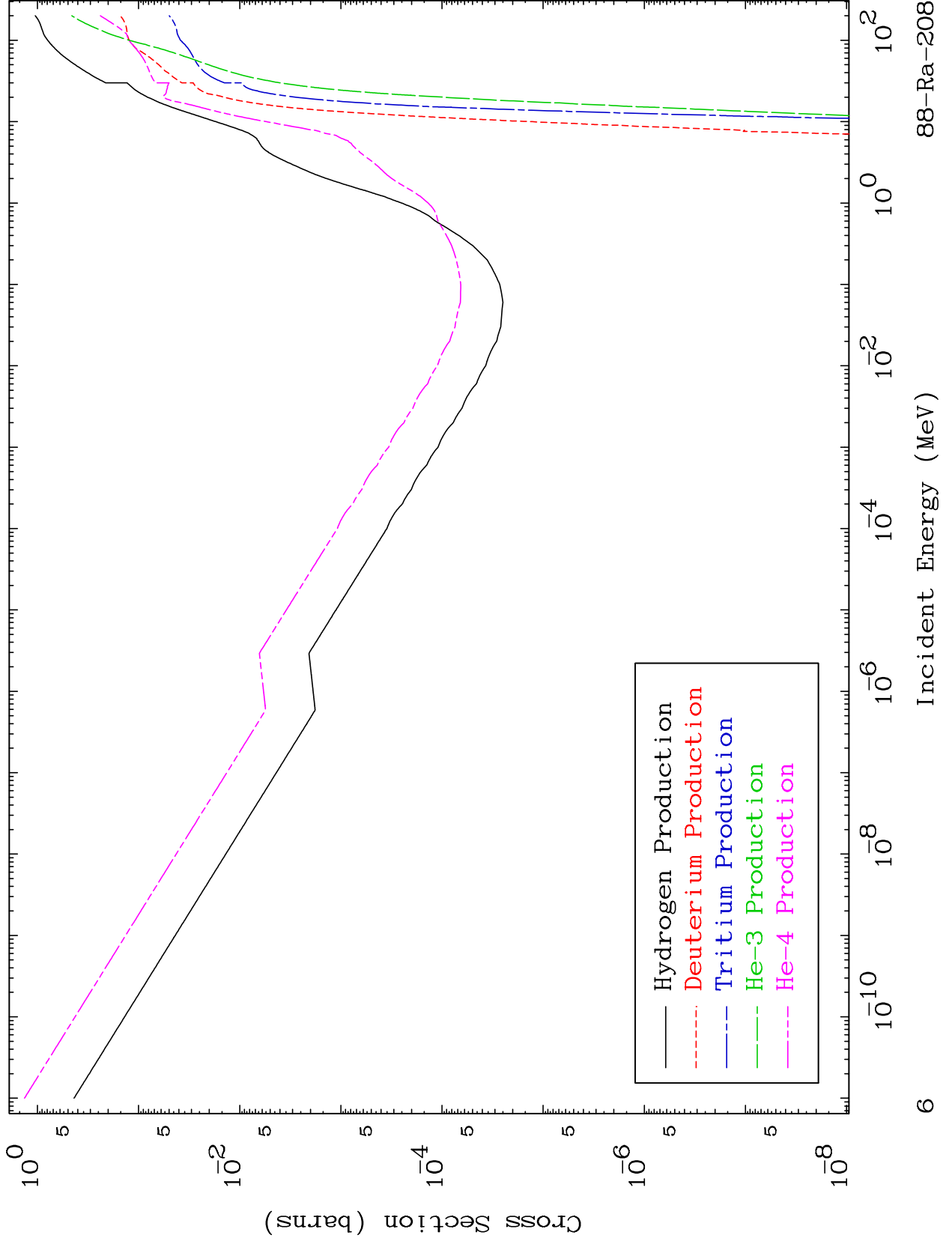
88-Ra-208



MAT 8780

Particle Production  
293 Kelvin Cross Sections

88-Ra-208

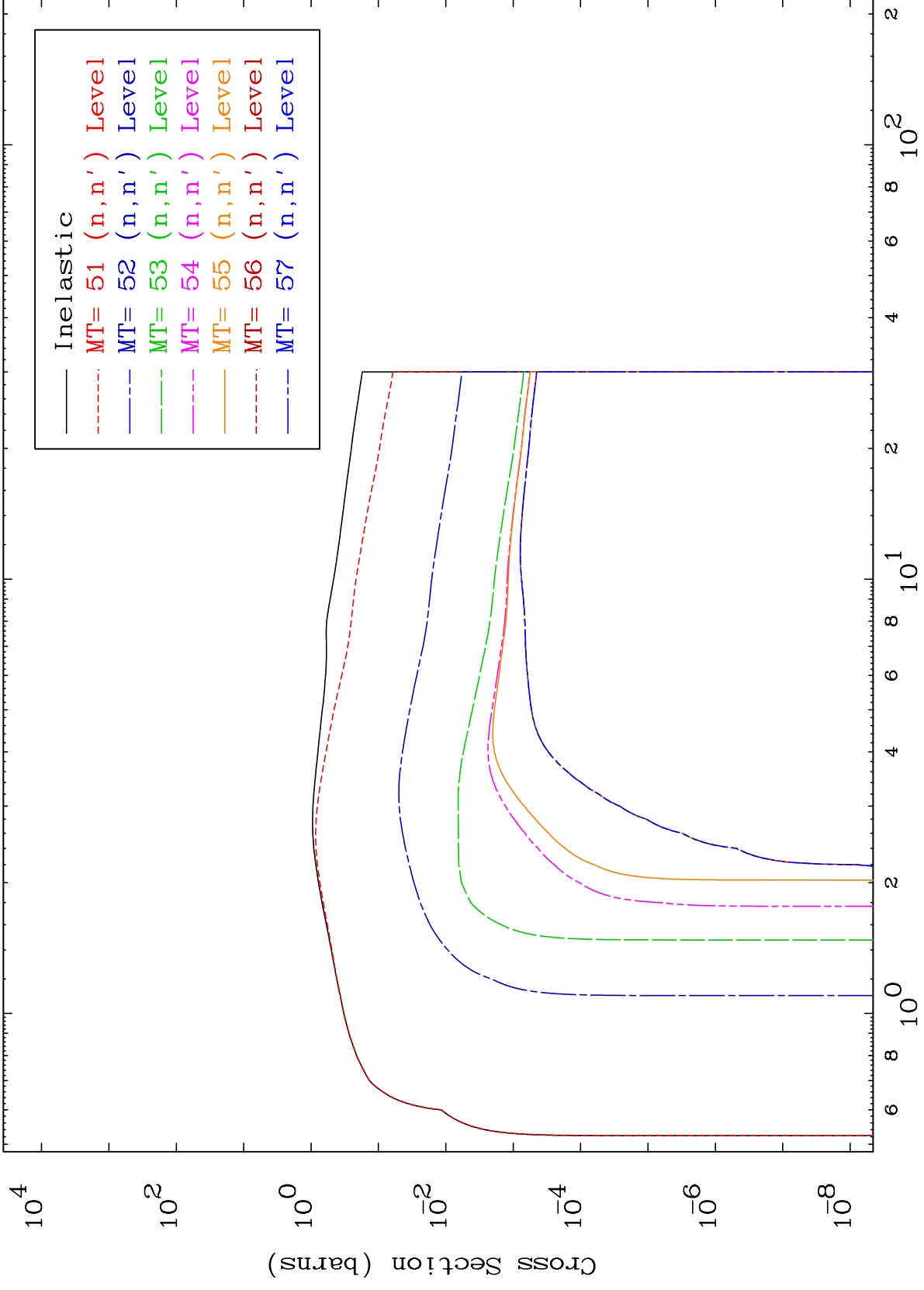


MAT 8780

(n,n') Level

88-Ra-208

293 Kelvin Cross Sections



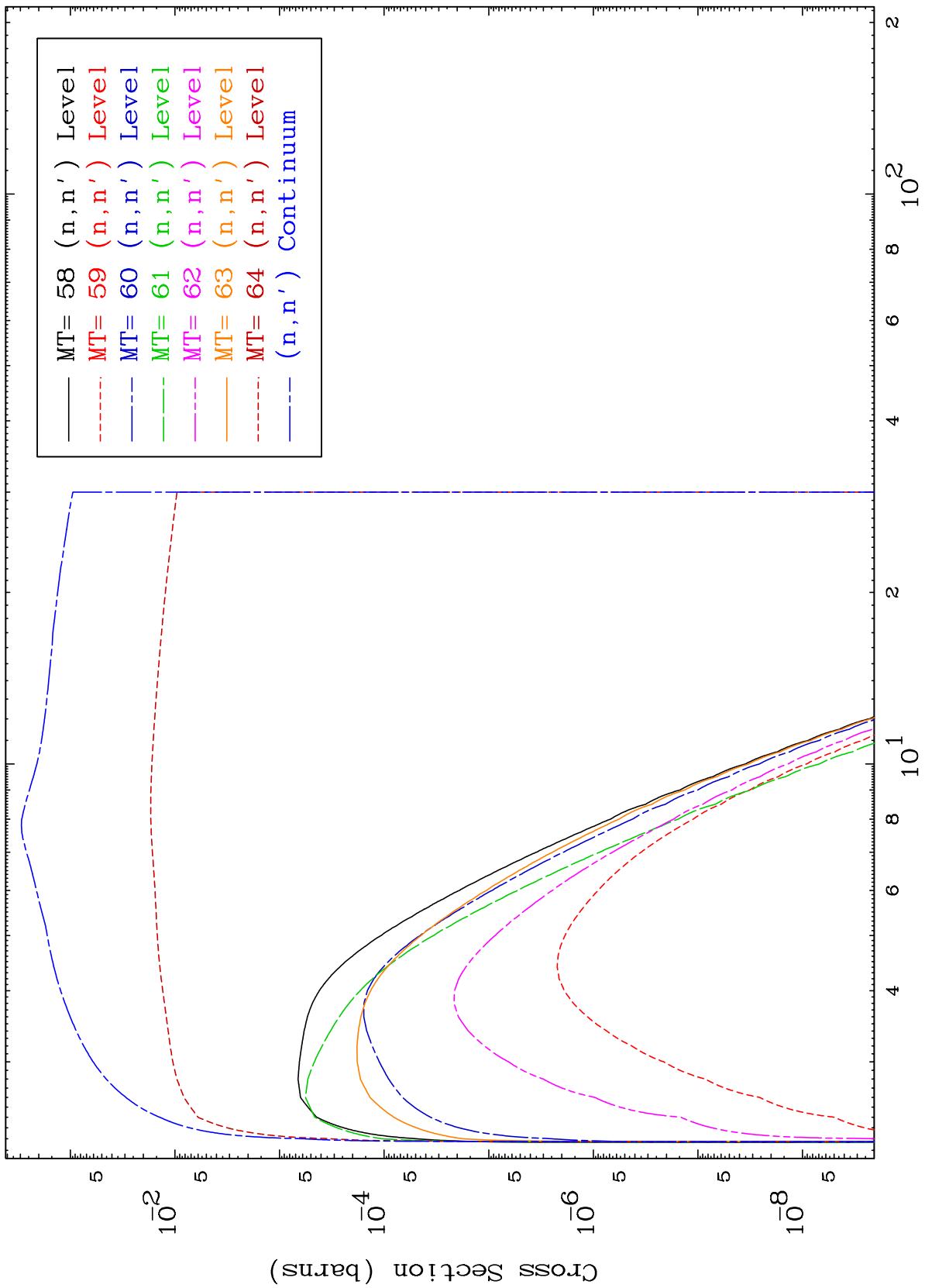


MAT 8780

(n,n') Level

88-Ra-208

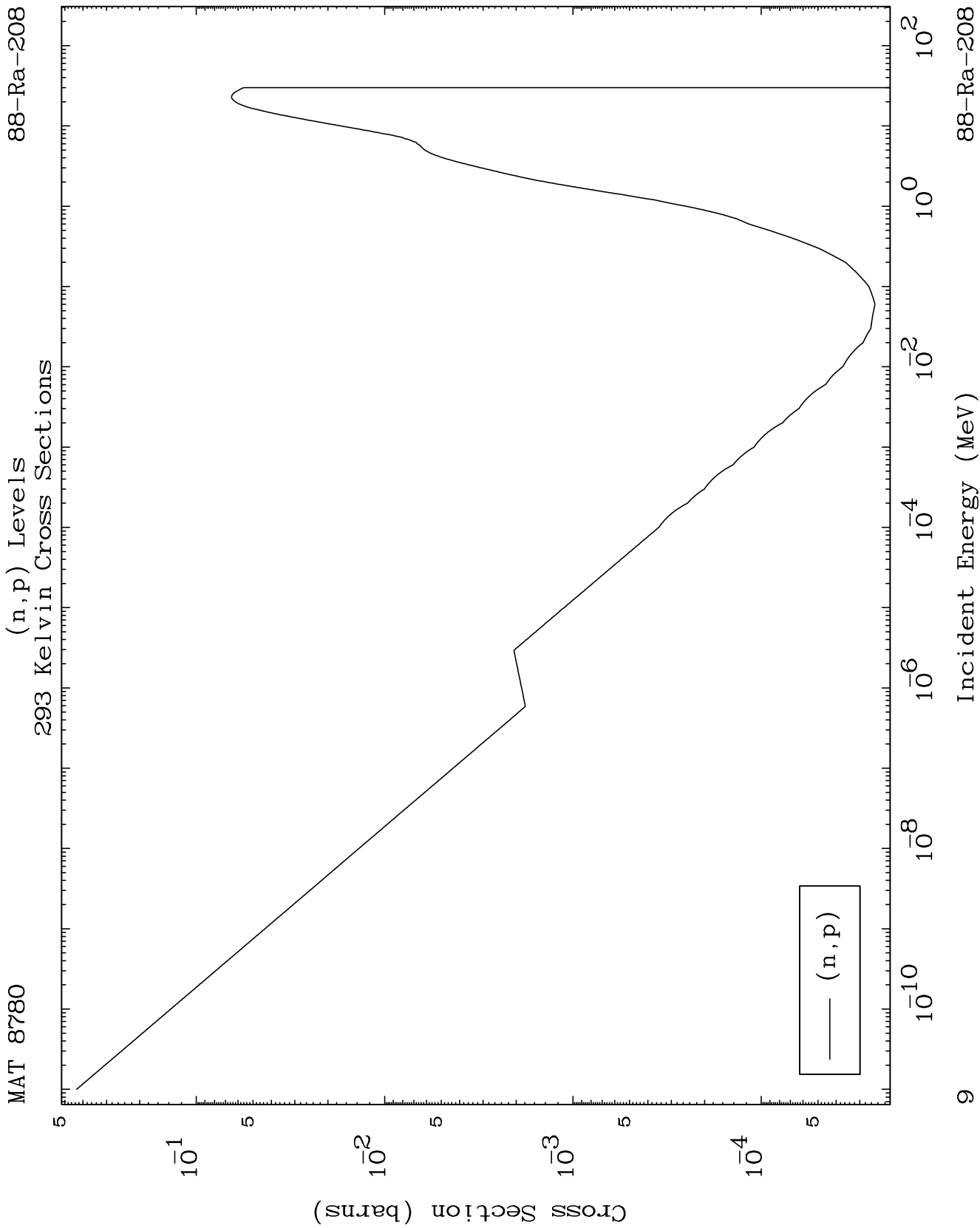
293 Kelvin Cross Sections



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Incident Energy (MeV)

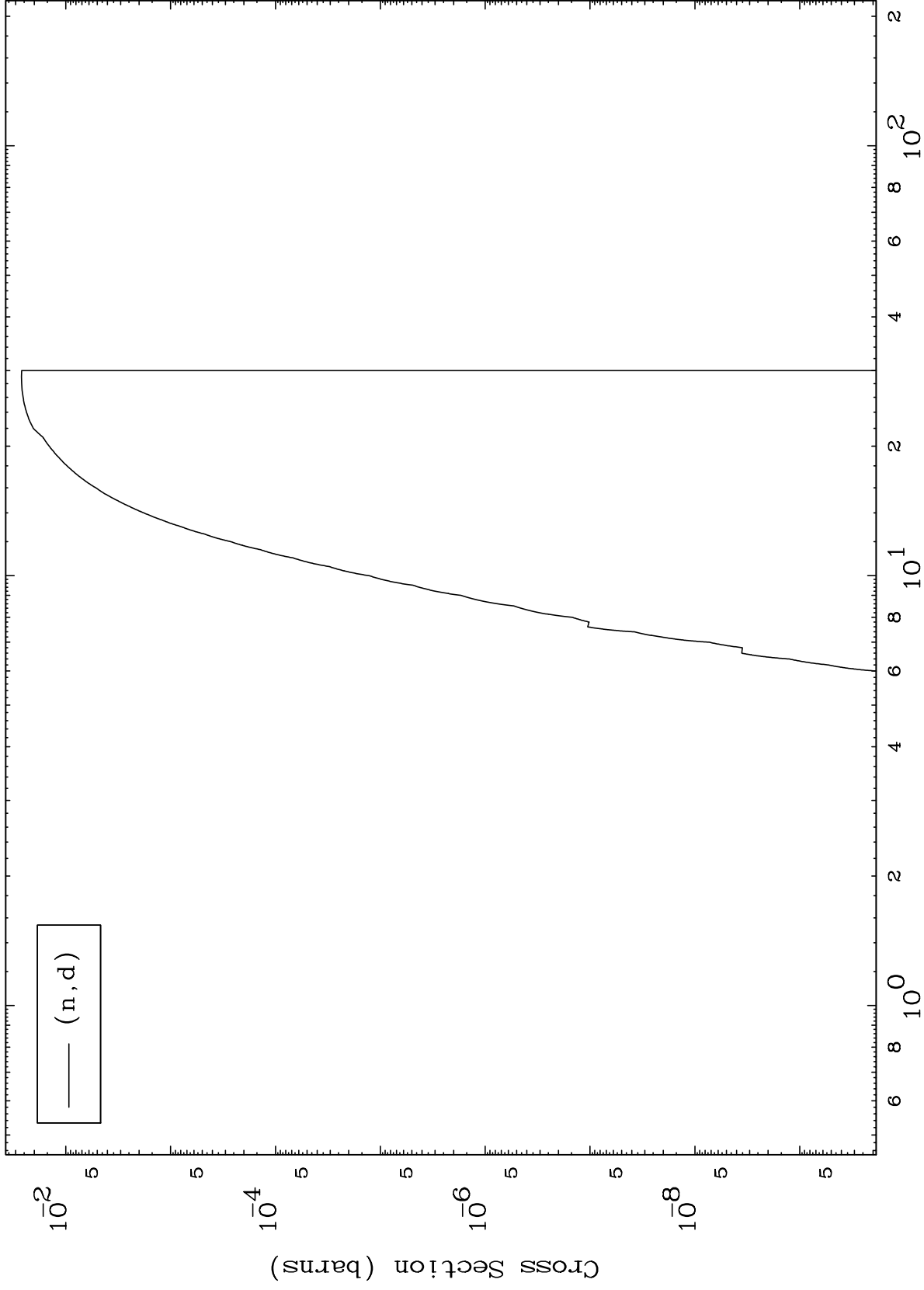
88-Ra-208



MAT 8780

(n,d) Levels  
293 Kelvin Cross Sections

88-Ra-208



10

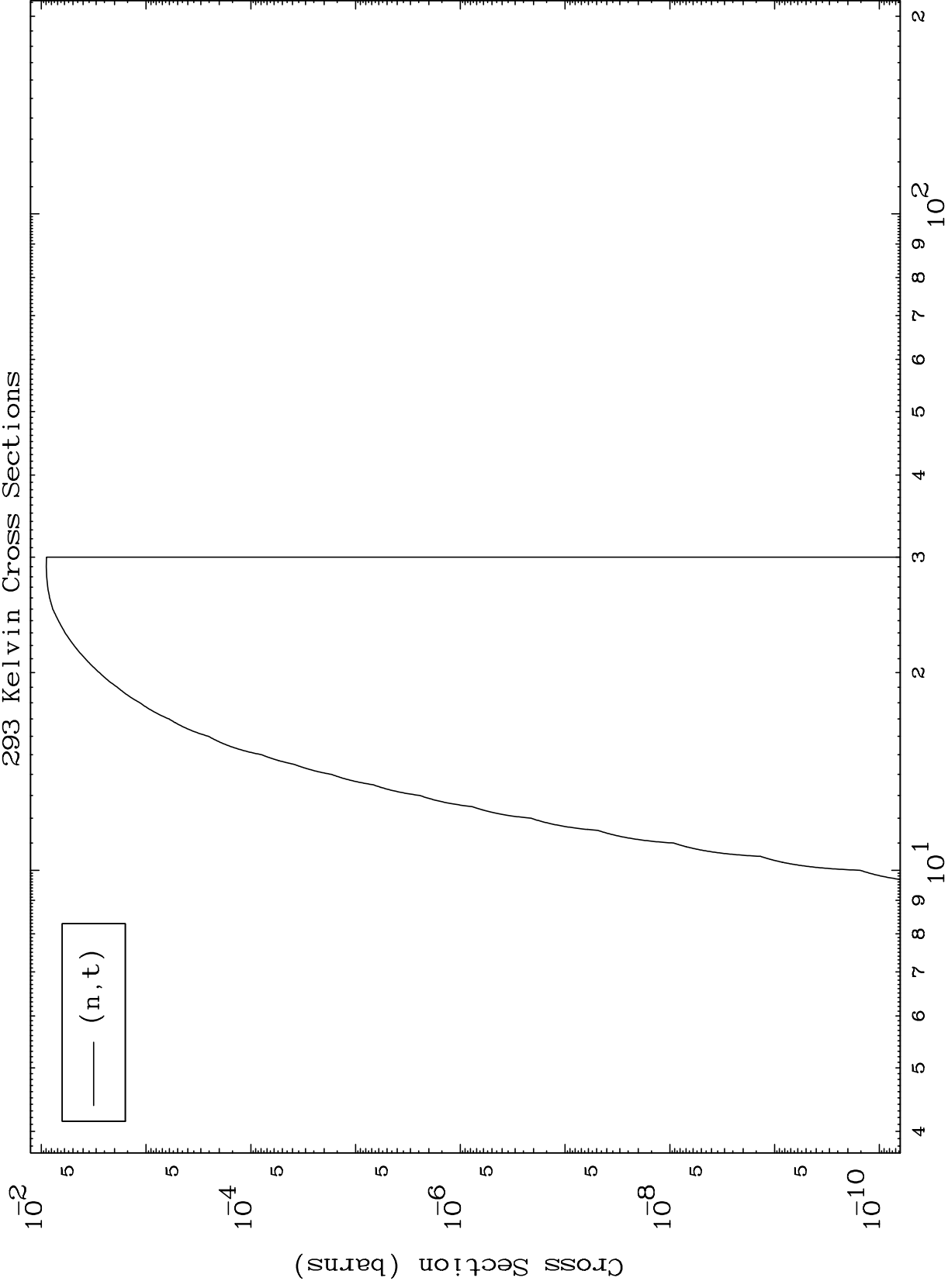
Incident Energy (MeV)

88-Ra-208

MAT 8780

(n,t) Levels  
293 Kelvin Cross Sections

88-Ra-208



11

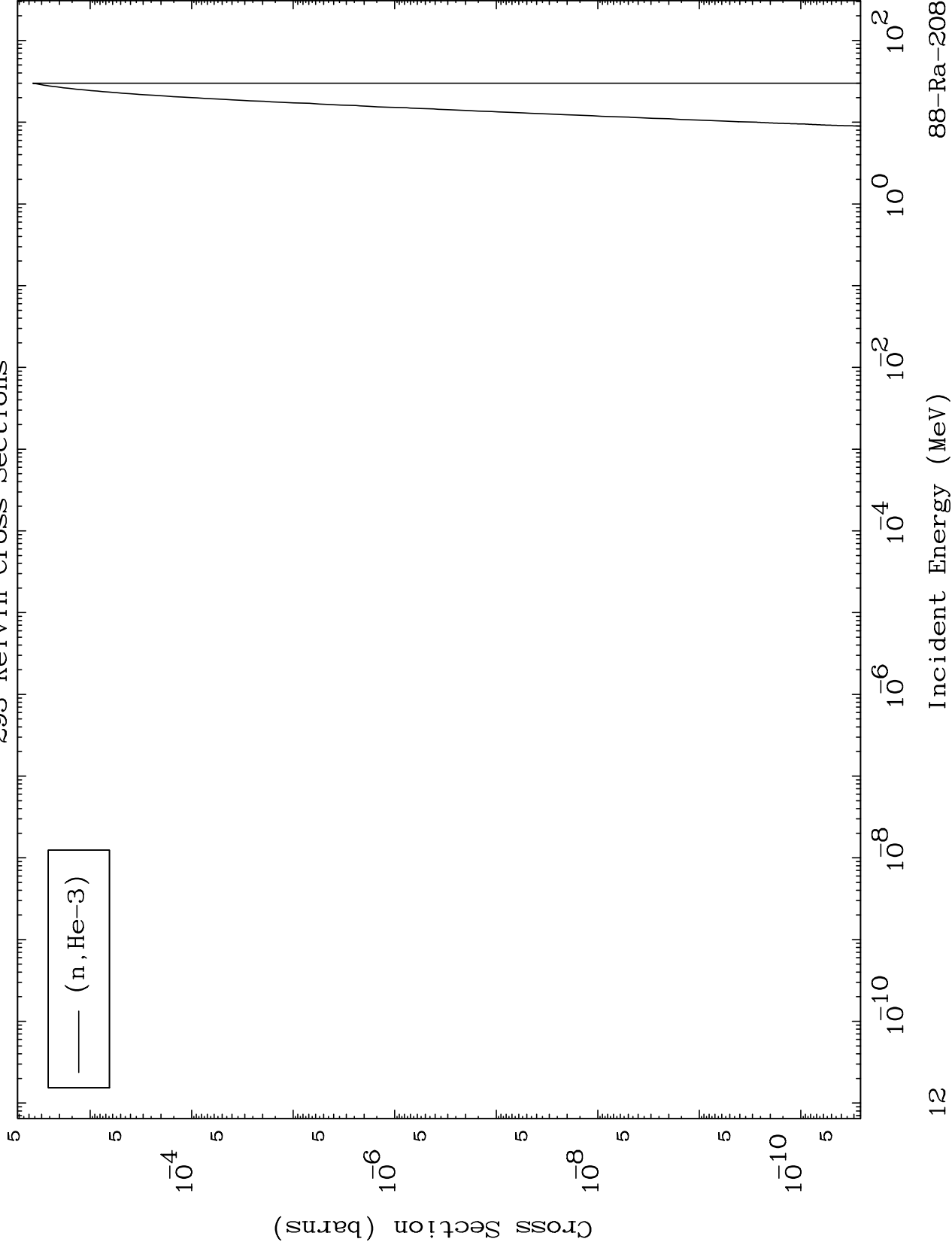
Incident Energy (MeV)

88-Ra-208

MAT 8780

(n,He3) Levels  
293 Kelvin Cross Sections

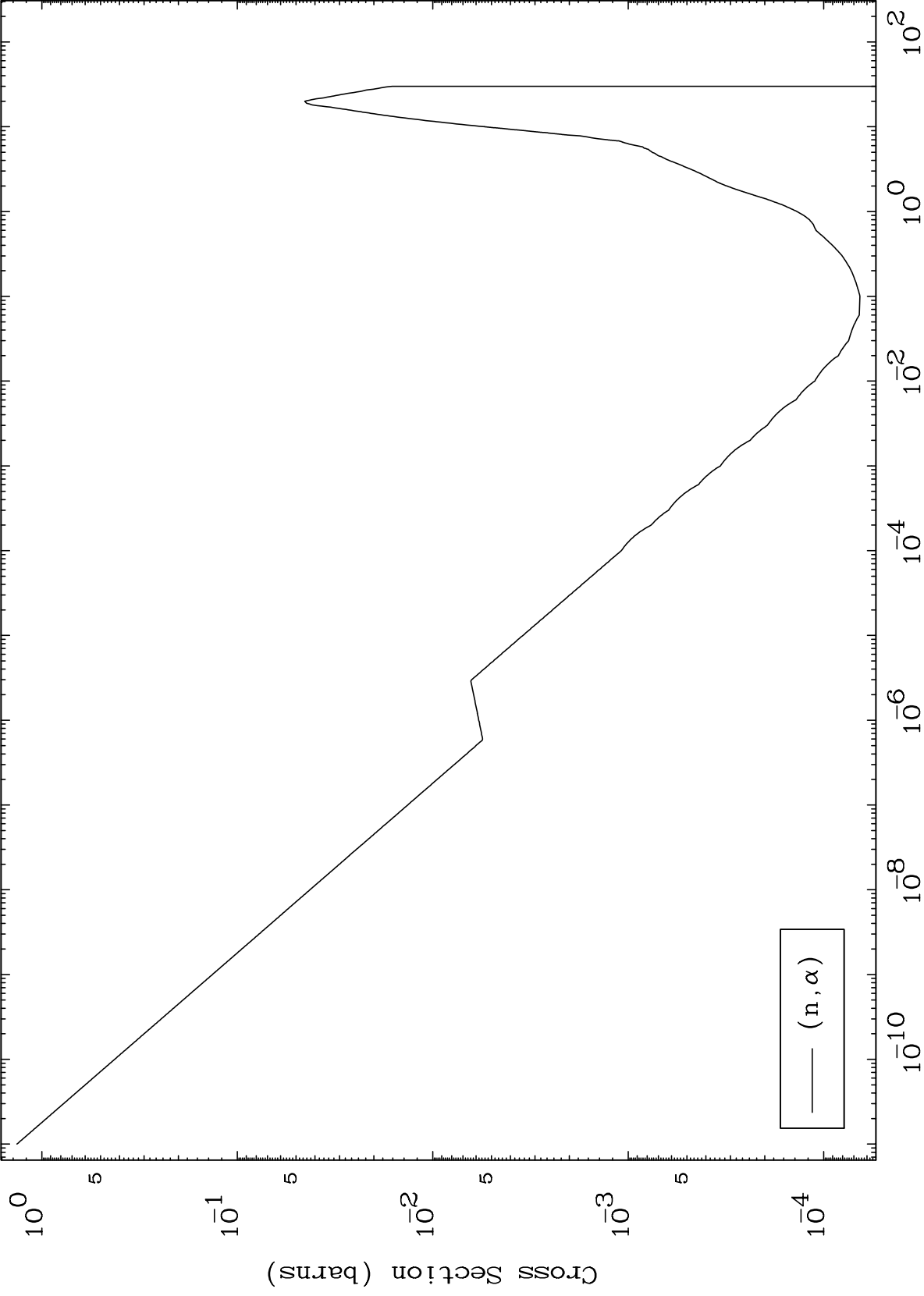
88-Ra-208



MAT 8780

(n,α) Levels  
293 Kelvin Cross Sections

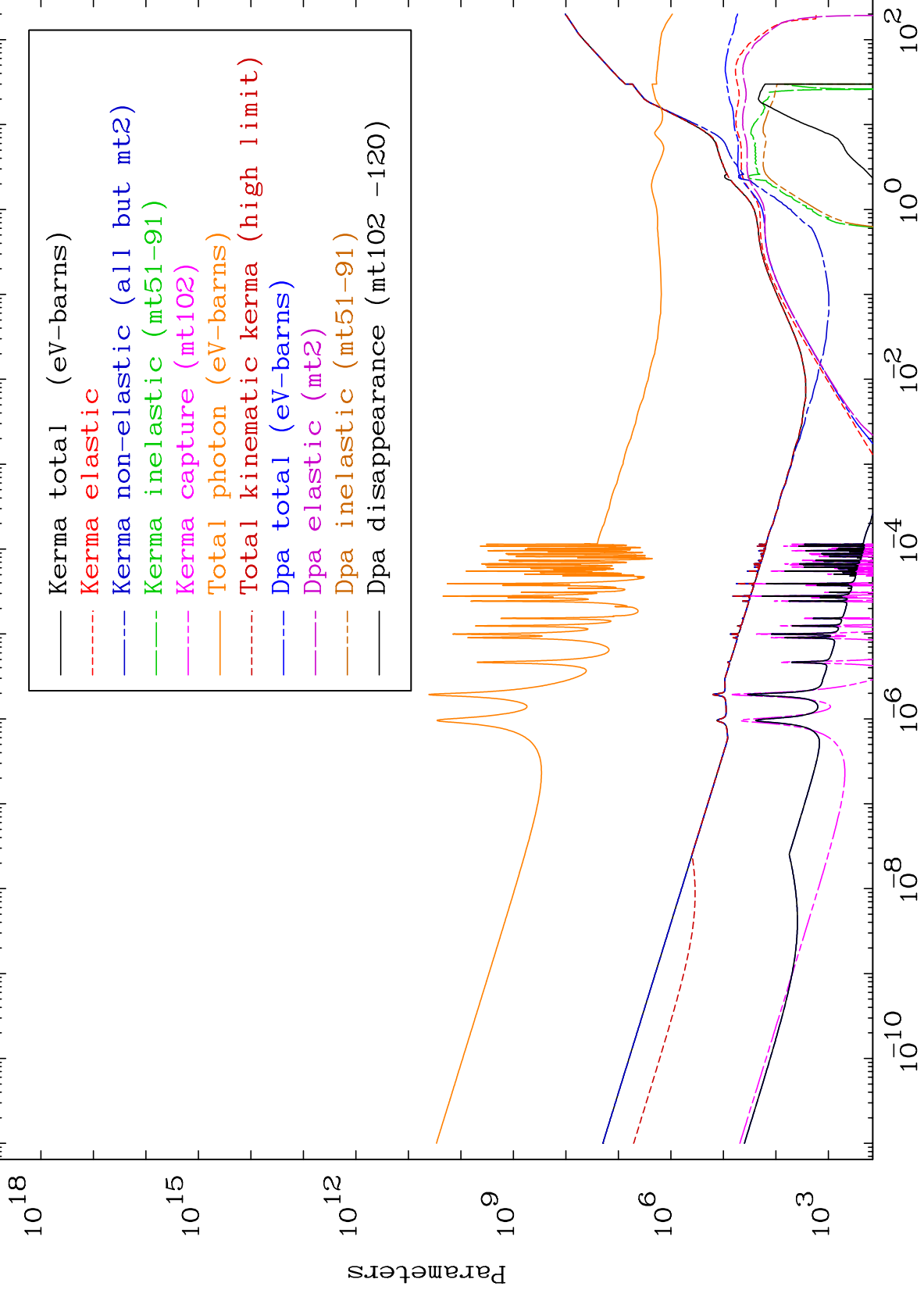
88-Ra-208

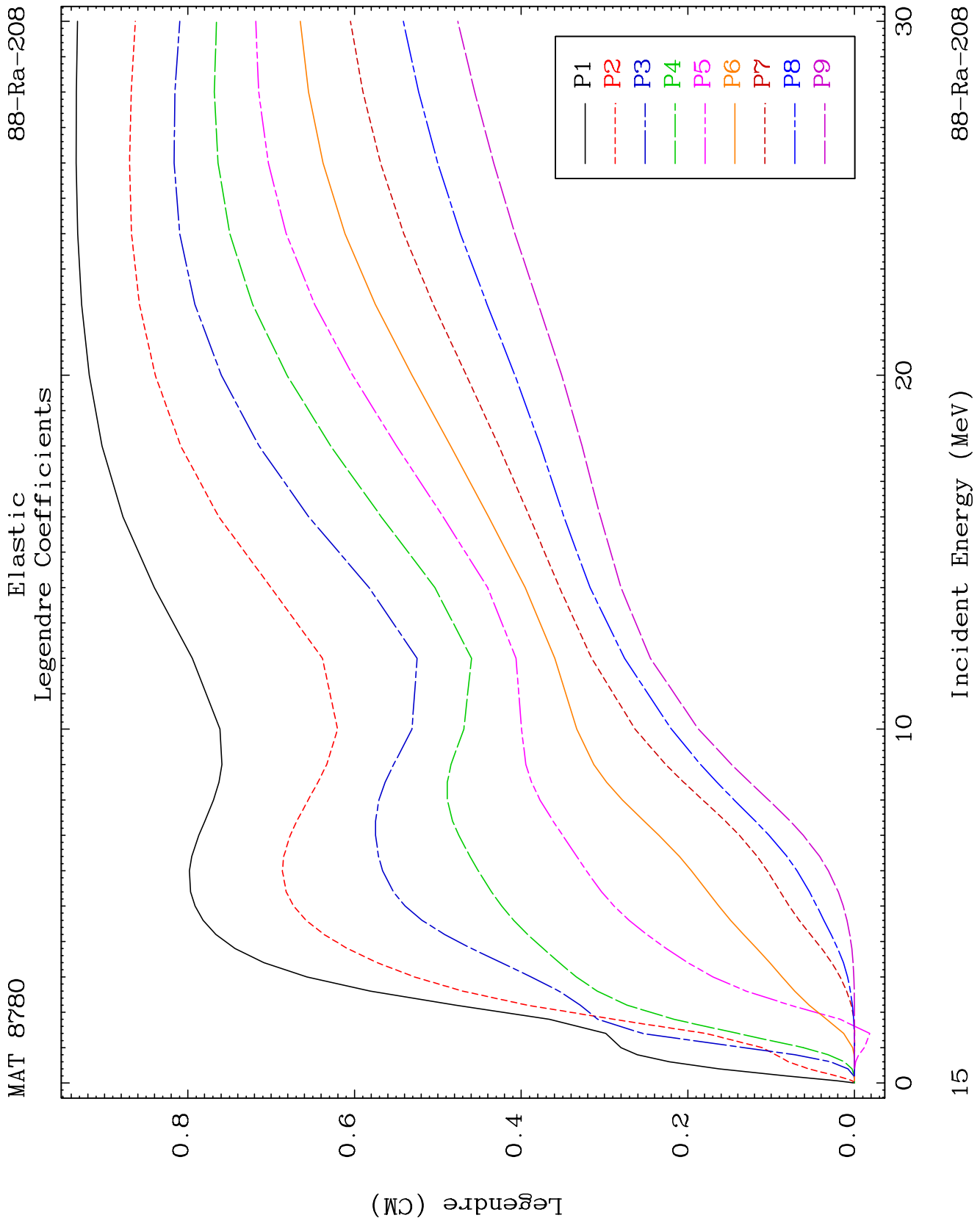


13

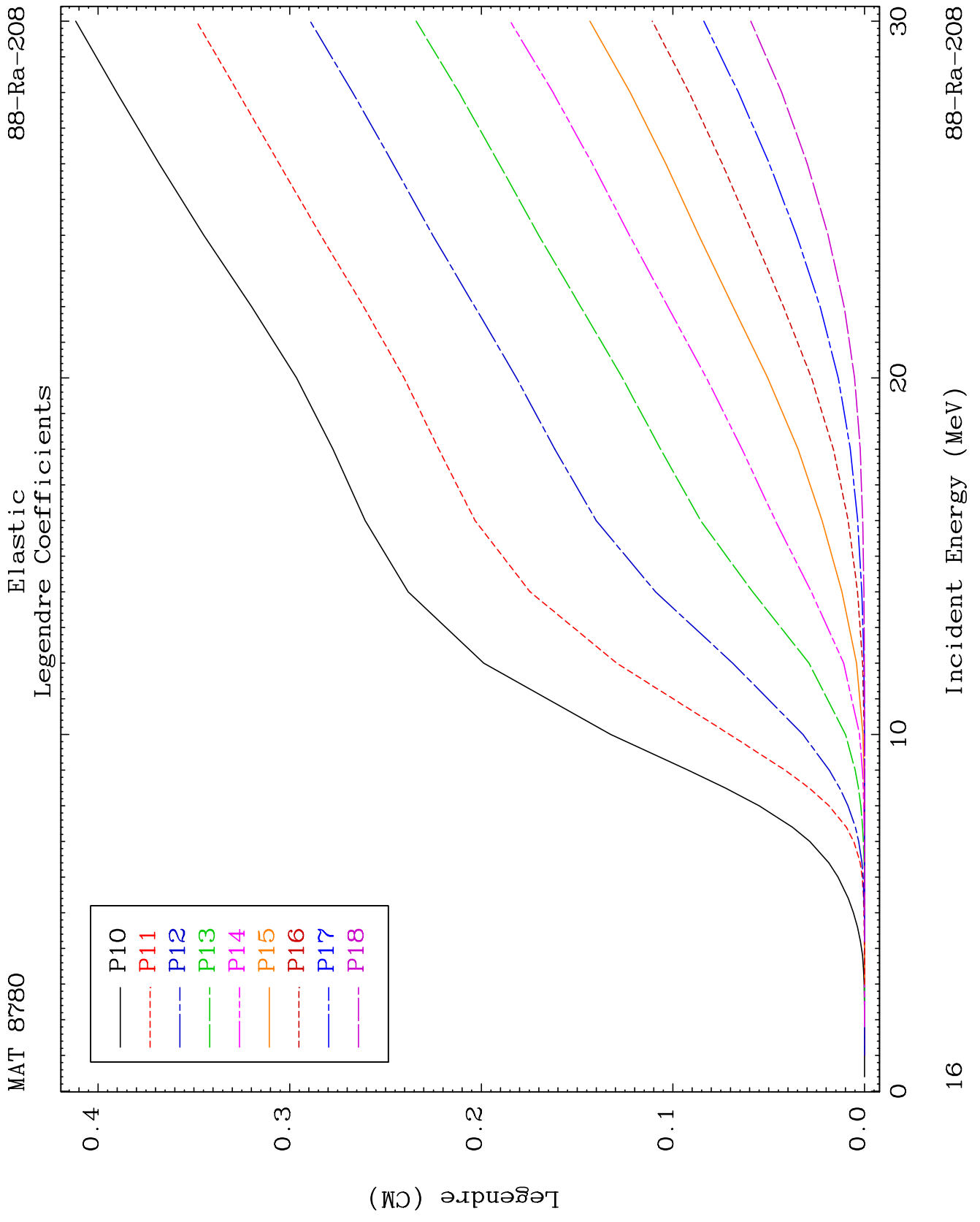
Incident Energy (MeV)

88-Ra-208





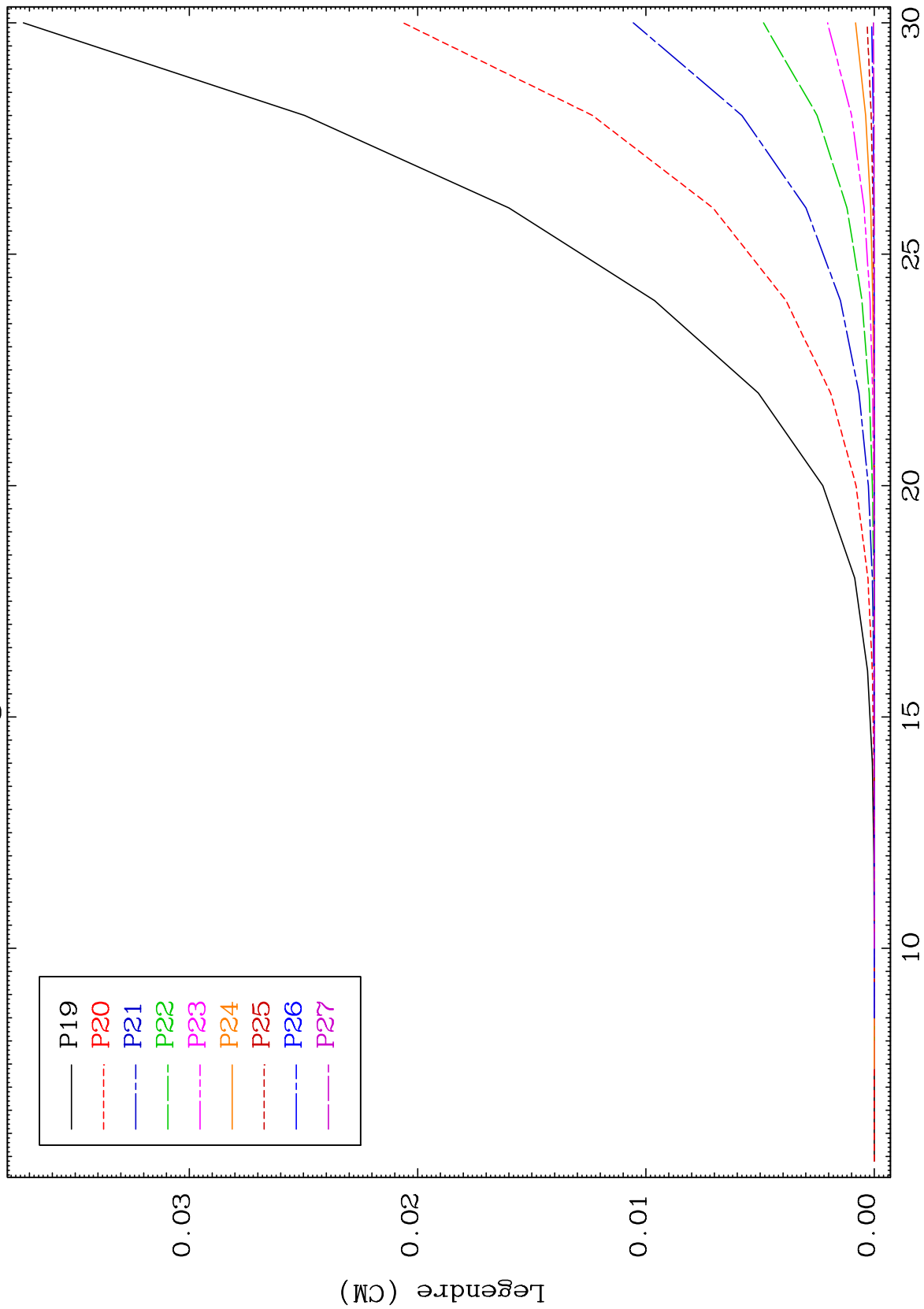




MAT 8780

### Elastic Legendre Coefficients

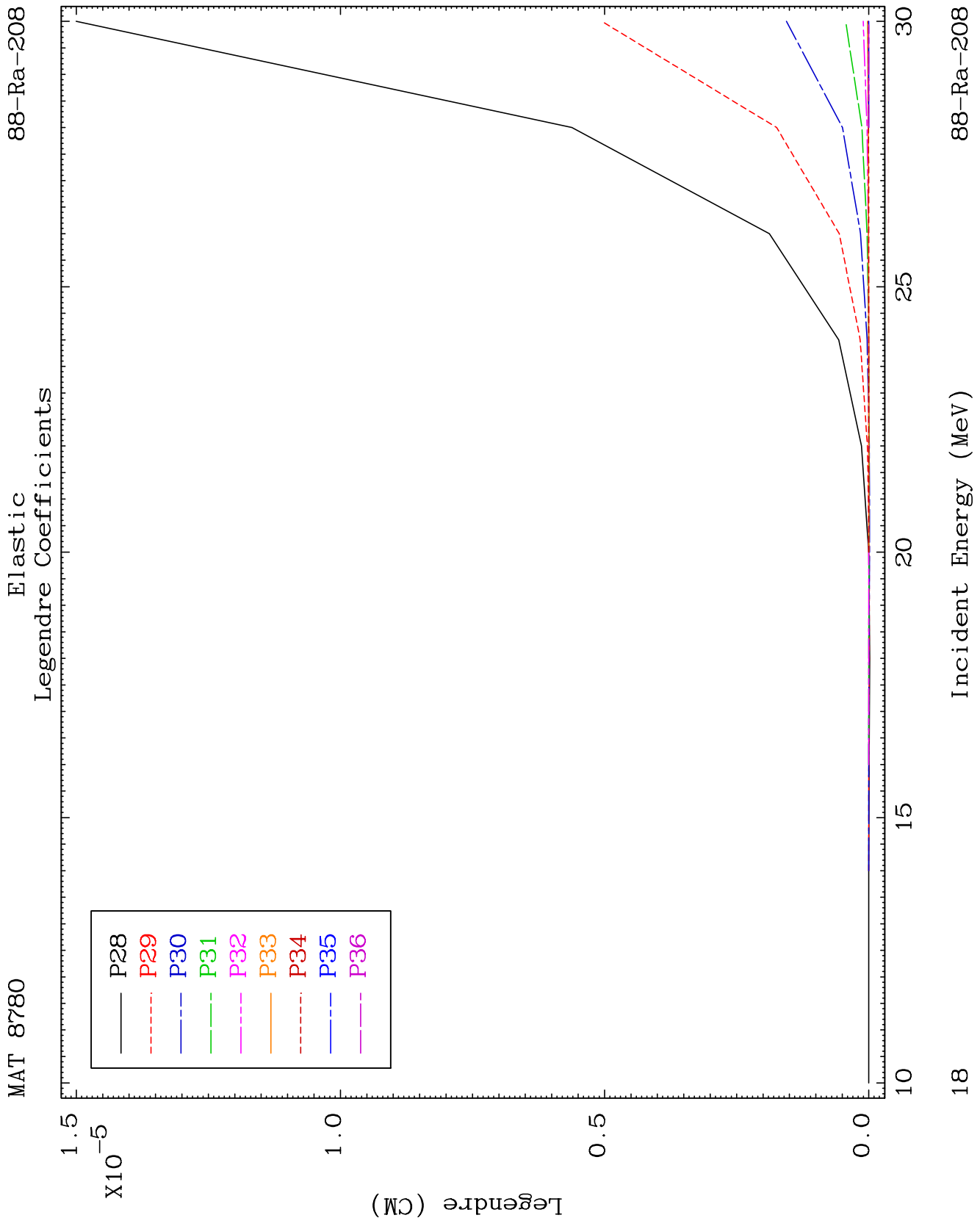
88-Ra-208



17

Incident Energy (MeV)

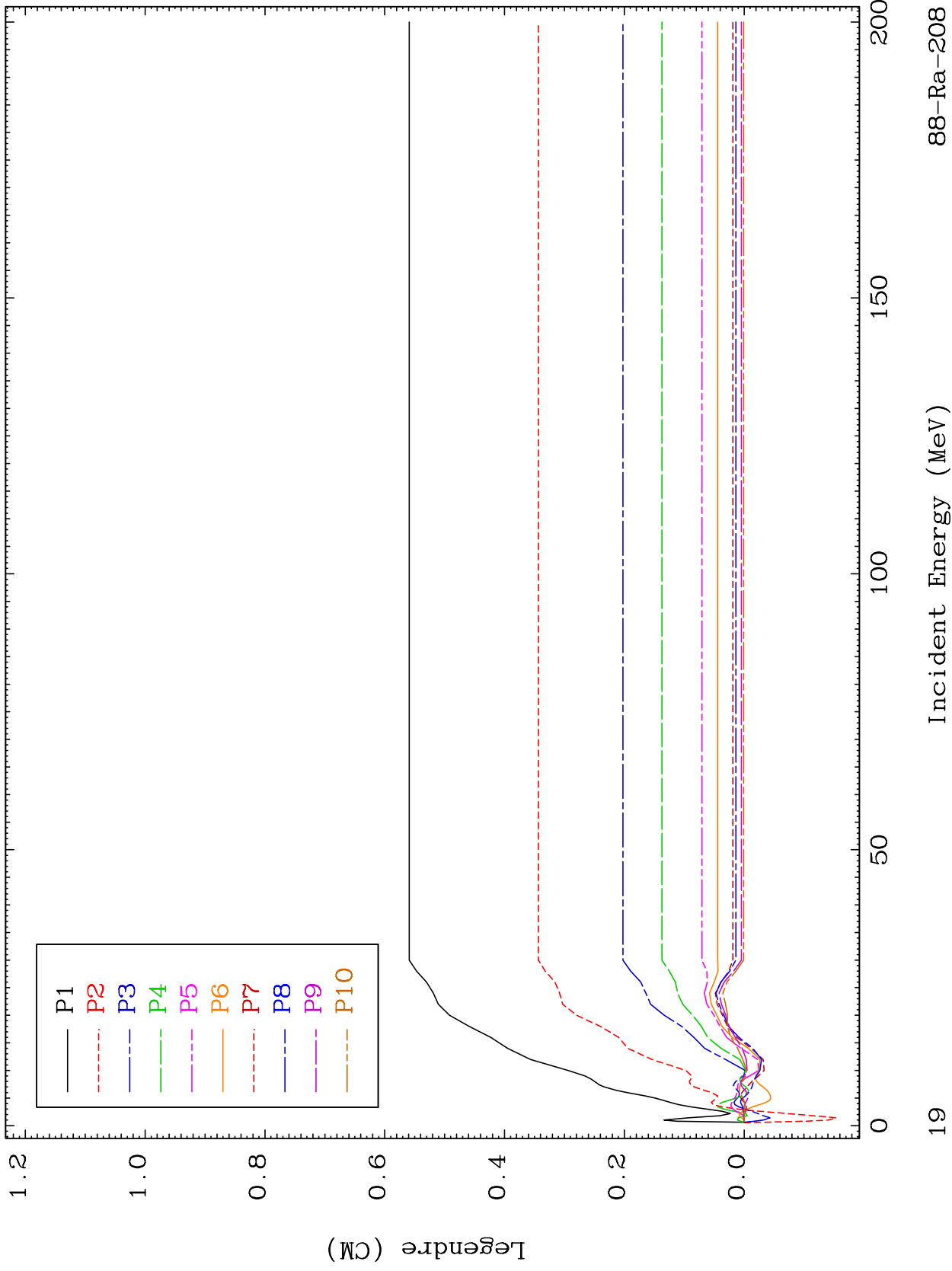
88-Ra-208



MAT 8780

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

88-Ra-208



19

Incident Energy (MeV)

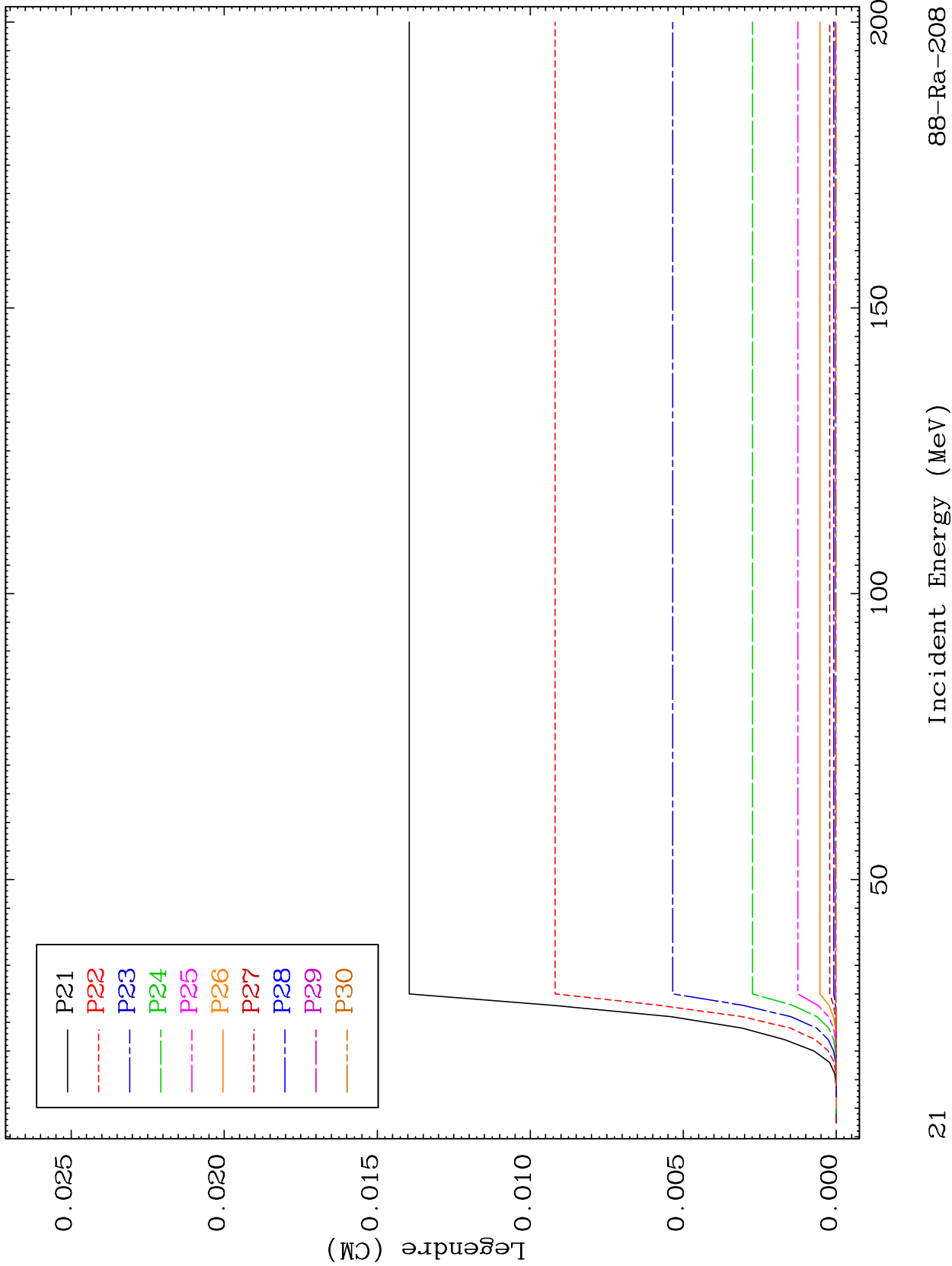
88-Ra-208



MAT 8780

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

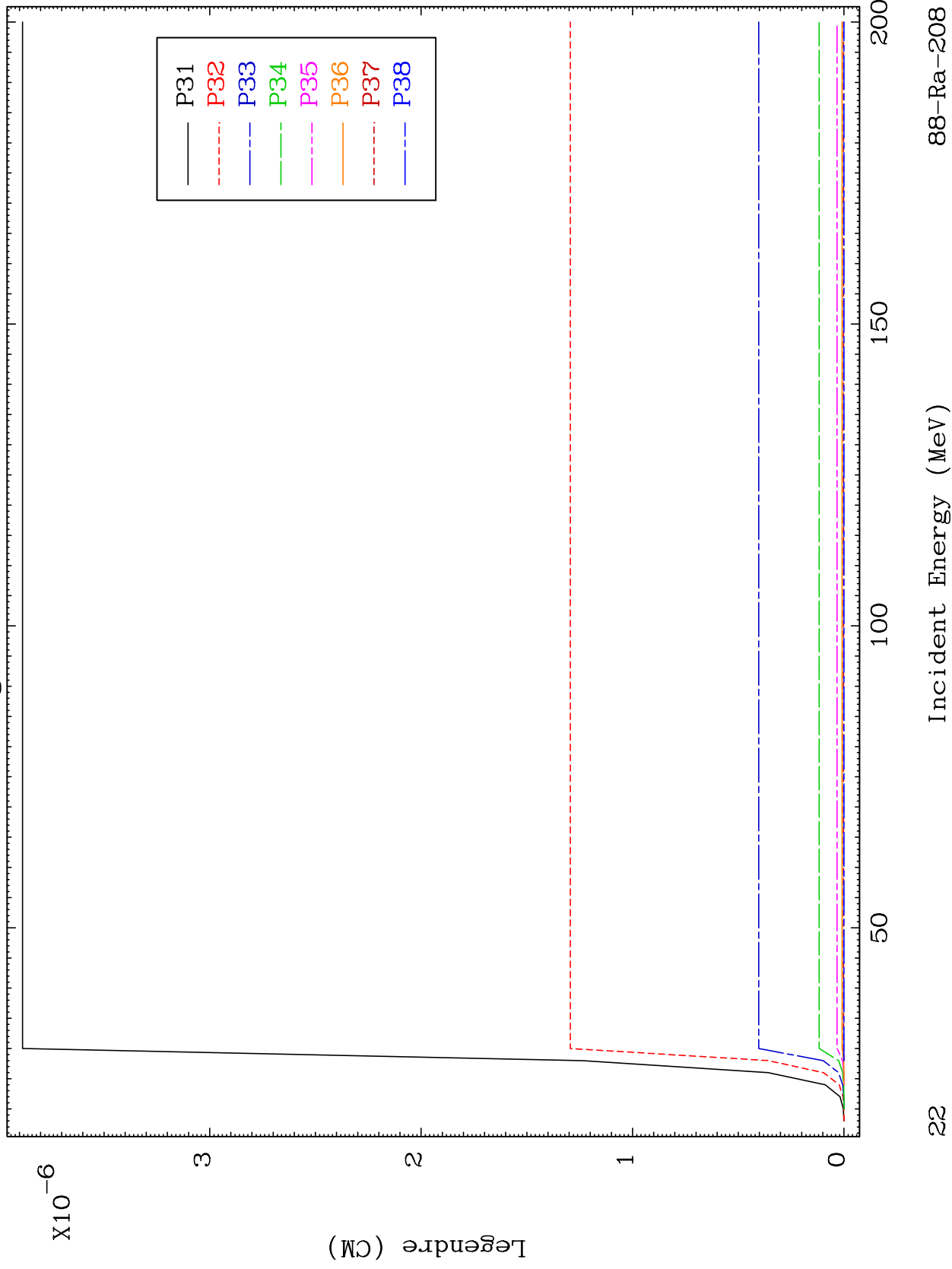
88-Ra-208



MAT 8780

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

88-Ra-208



22

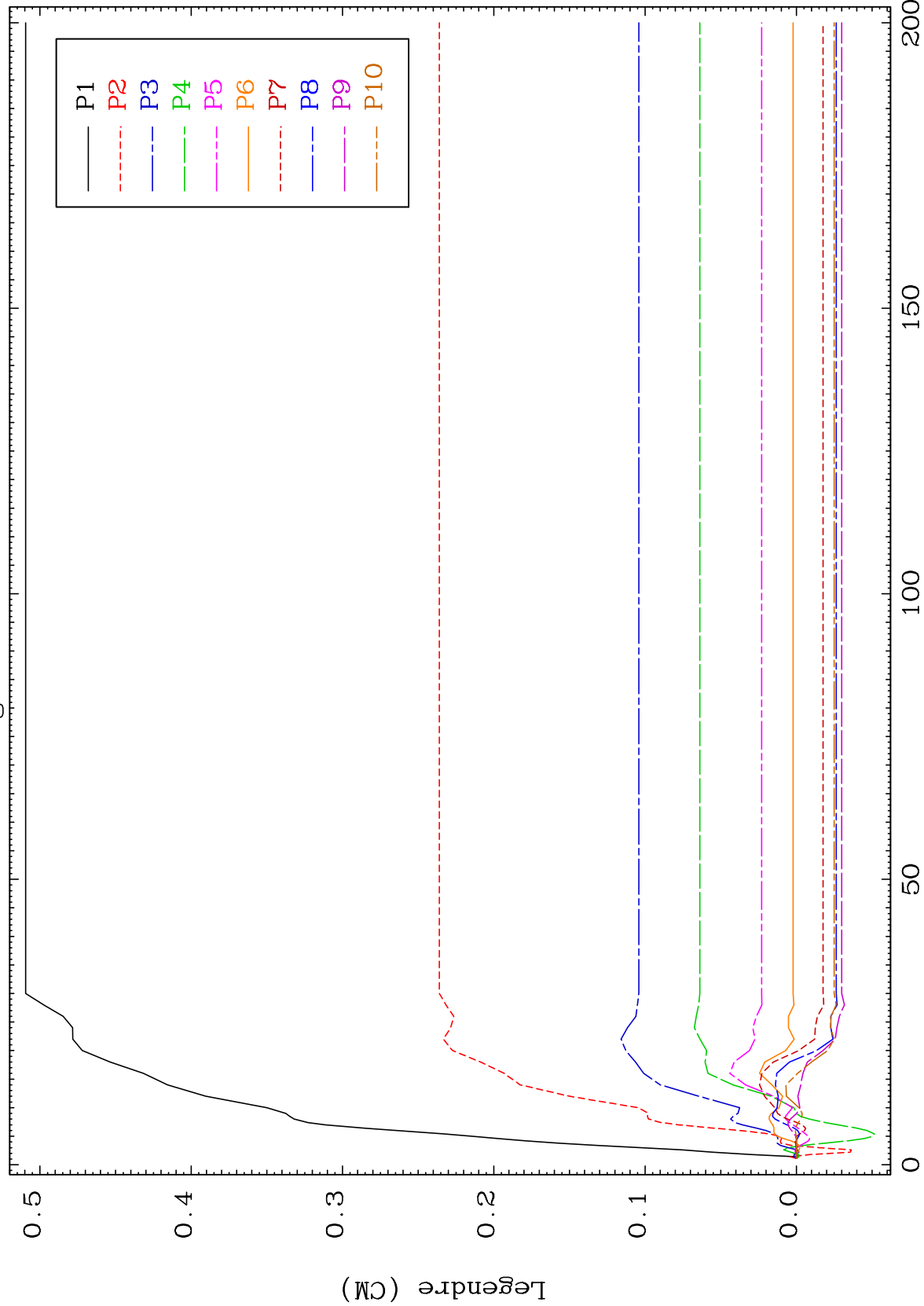
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208

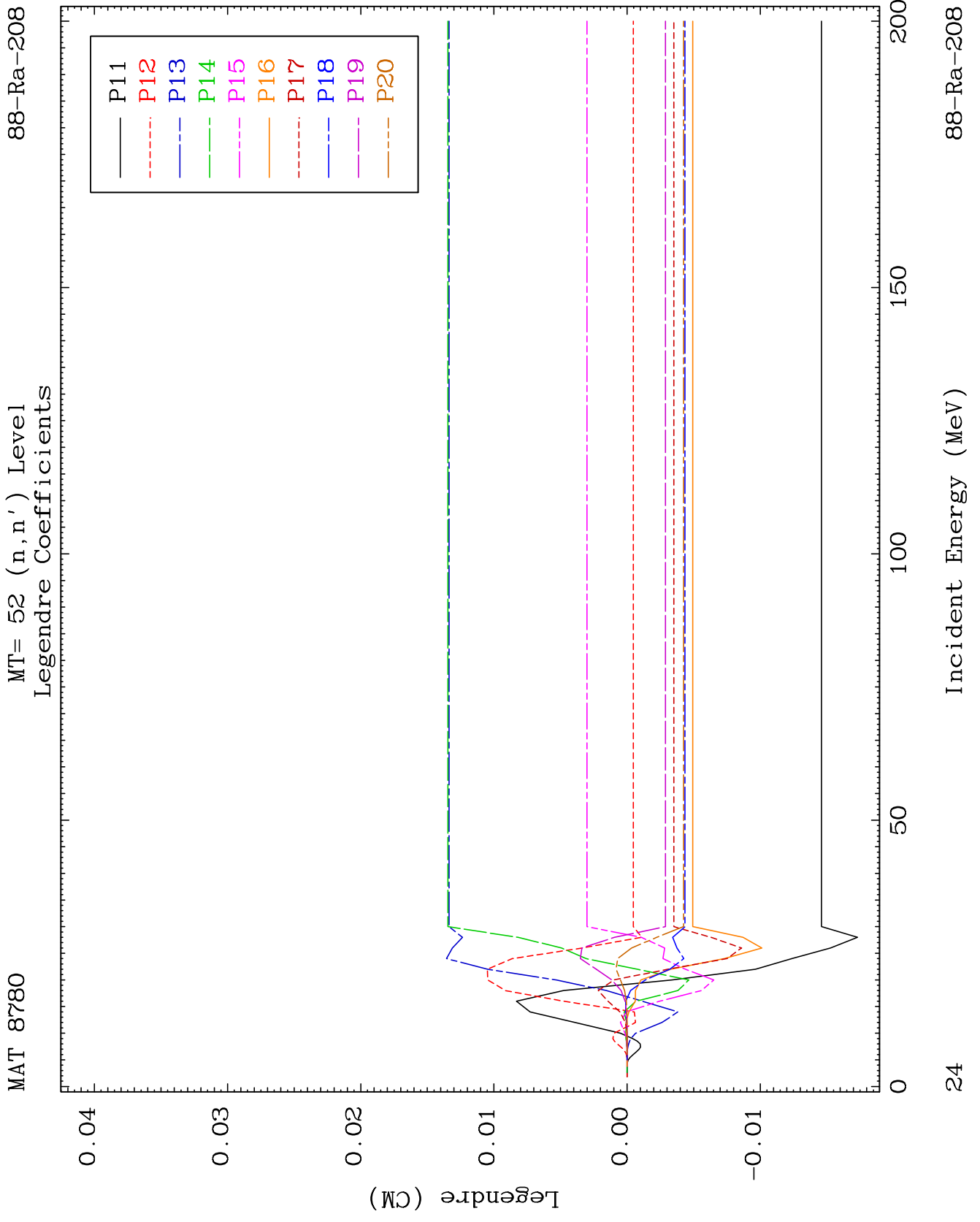


88-Ra-208

Incident Energy (MeV)

23

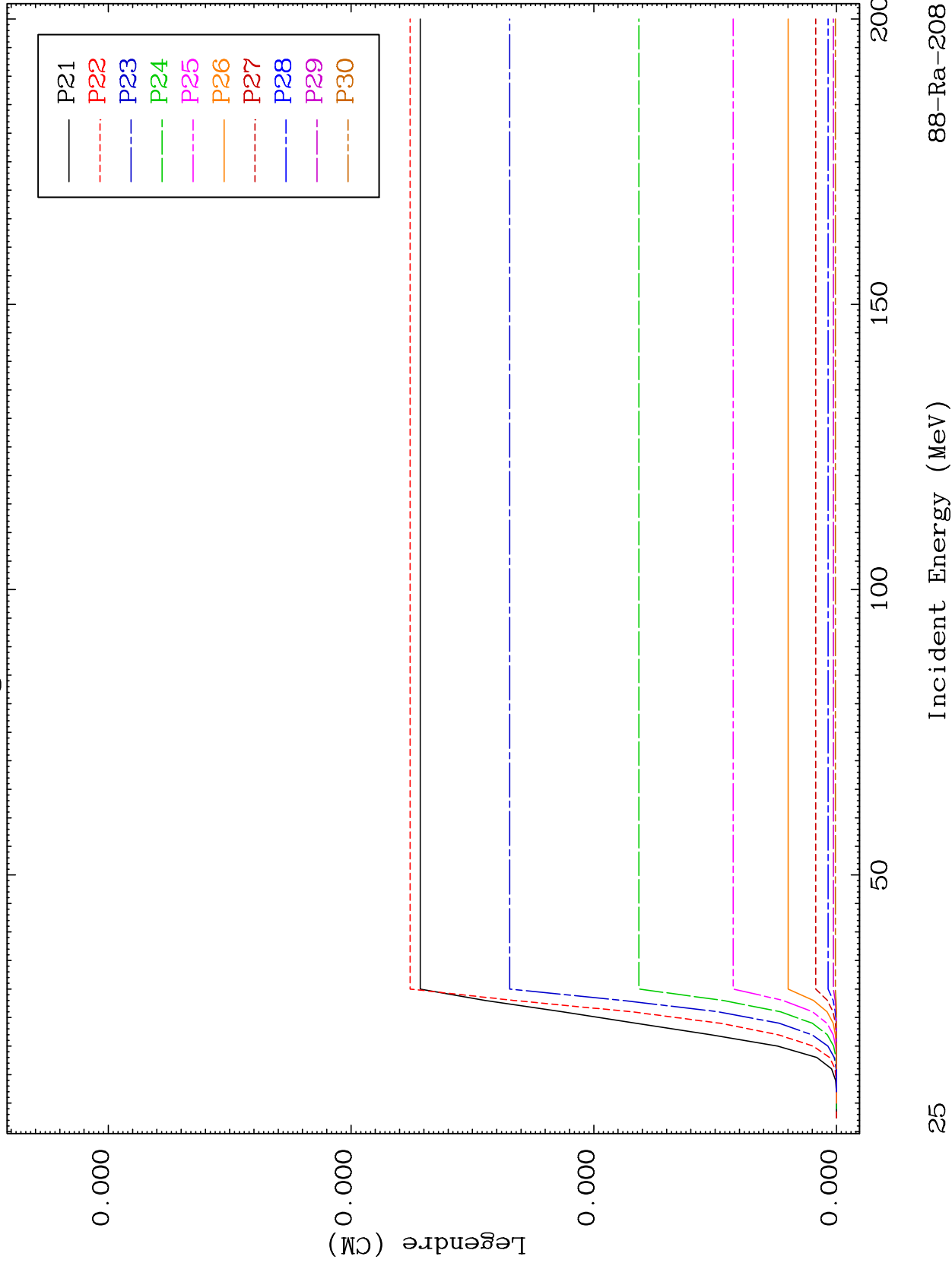




MAT 8780

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

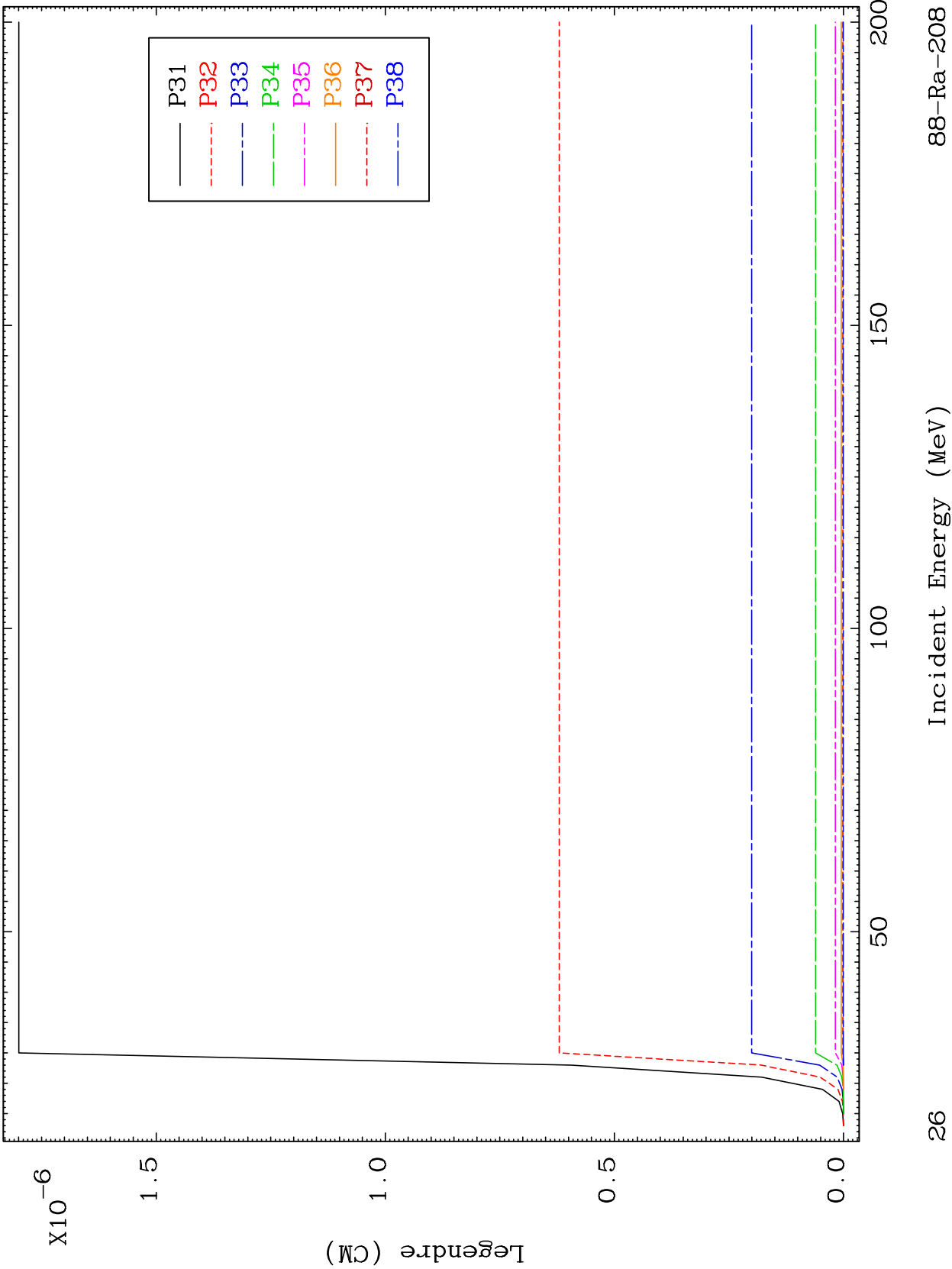
88-Ra-208



25

Incident Energy (MeV)

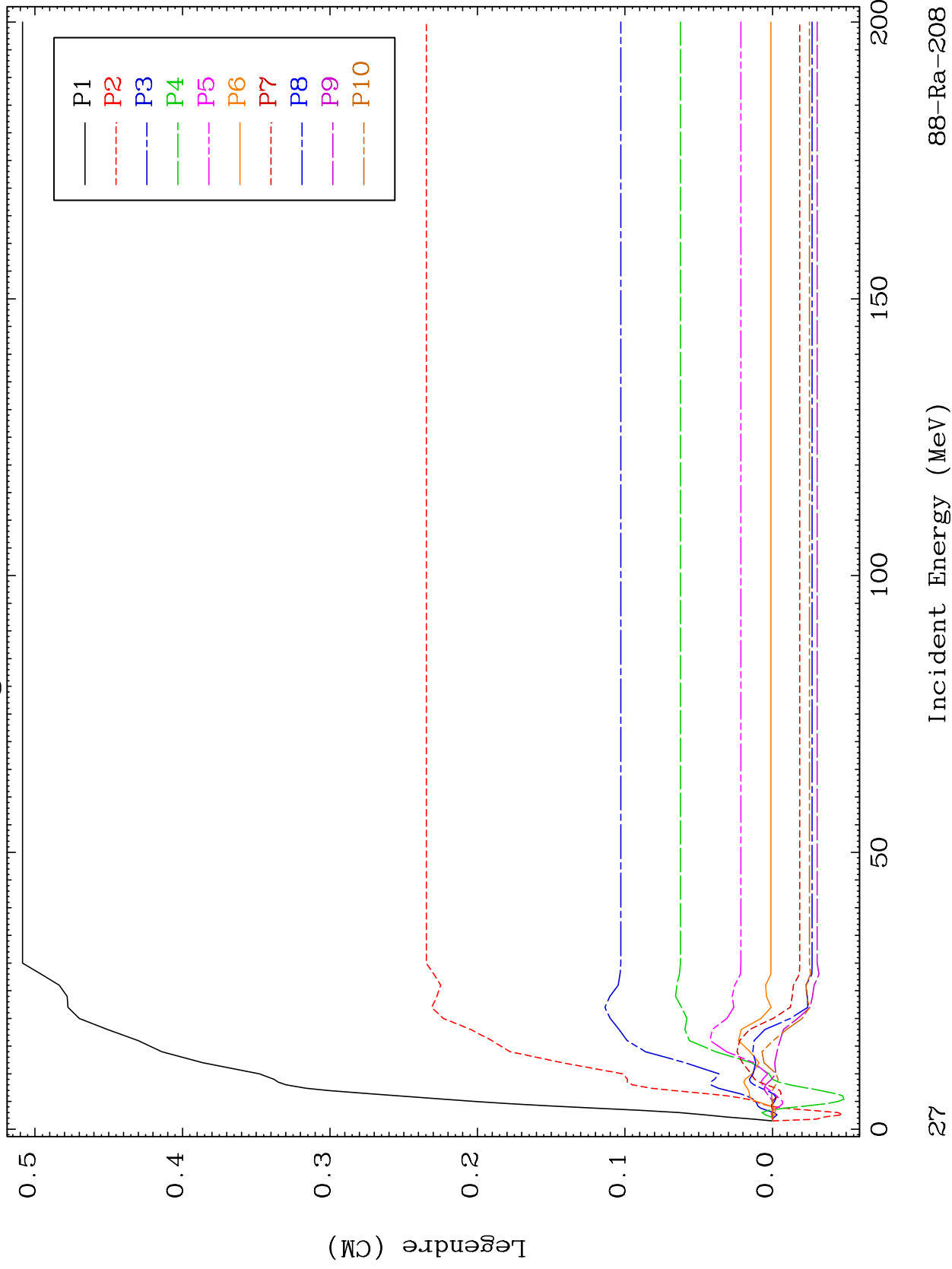
88-Ra-208



MAT 8780

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

88-Ra-208



88-Ra-208

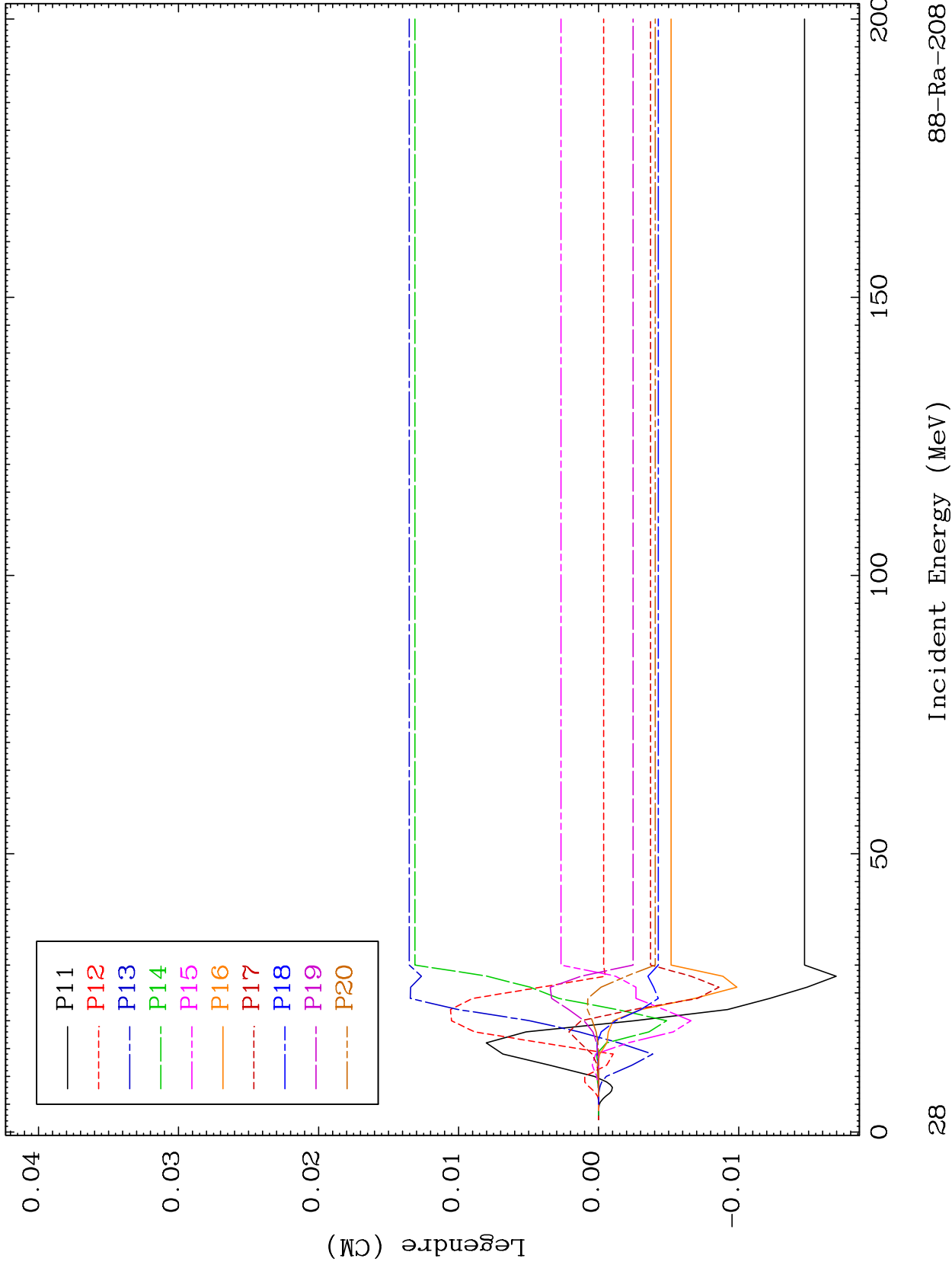
Incident Energy (MeV)

27

MAT 8780

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

88-Ra-208



28

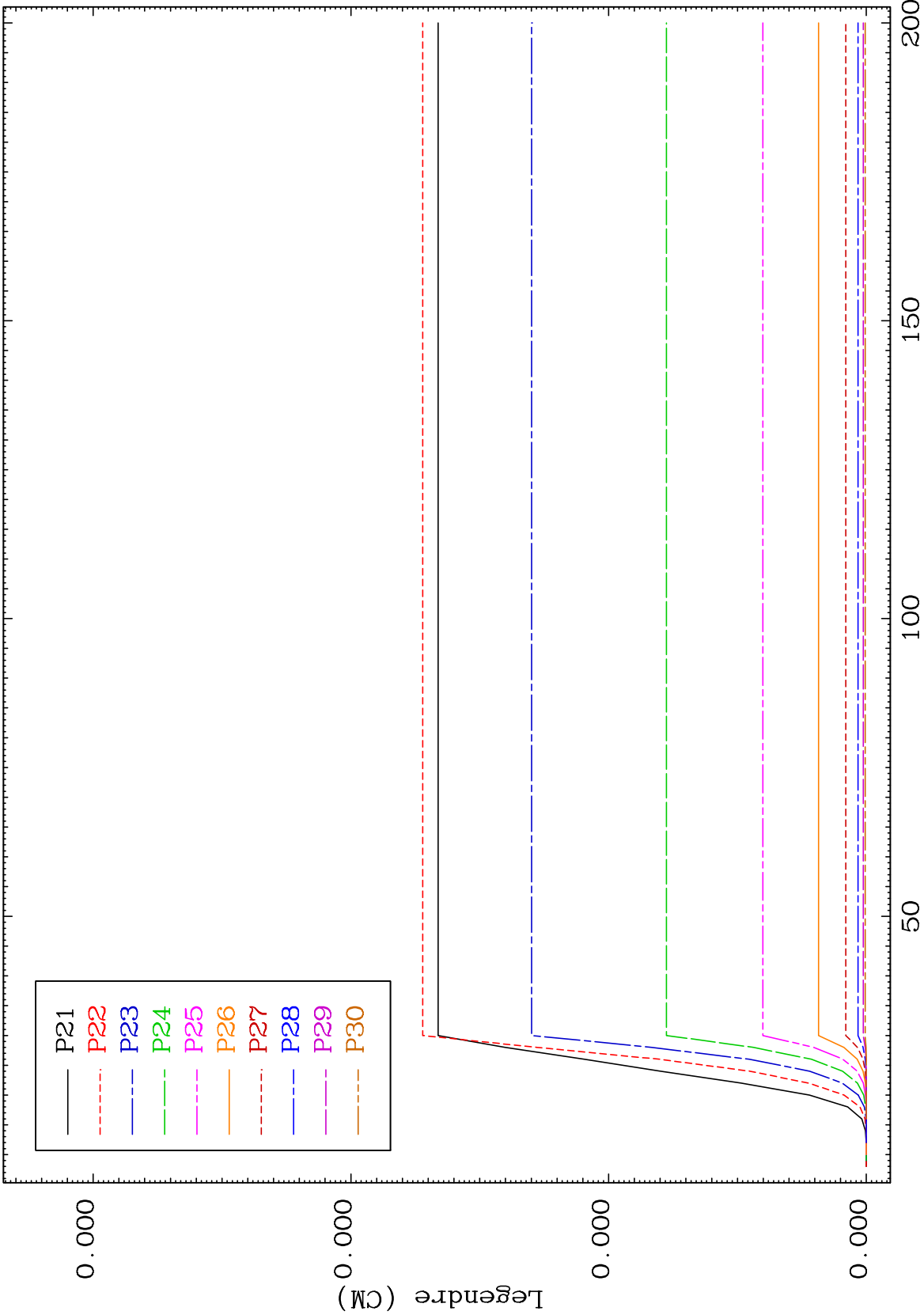
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



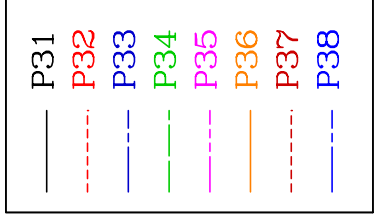
MAT 8780

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

88-Ra-208

$\times 10^{-6}$   
1.5

Legendre (CM)



0.0

50

100

150

200

30

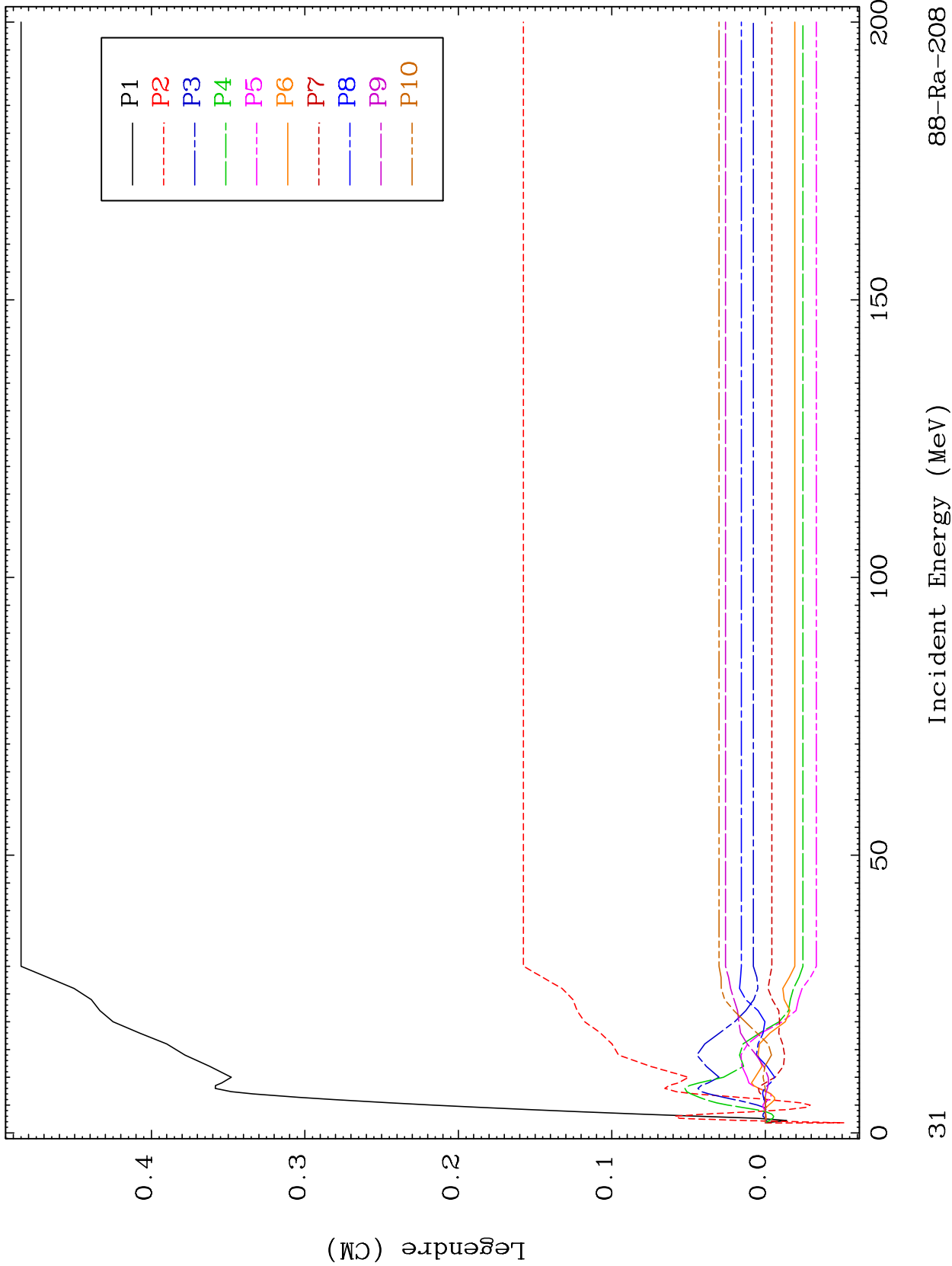
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



31

Incident Energy (MeV)

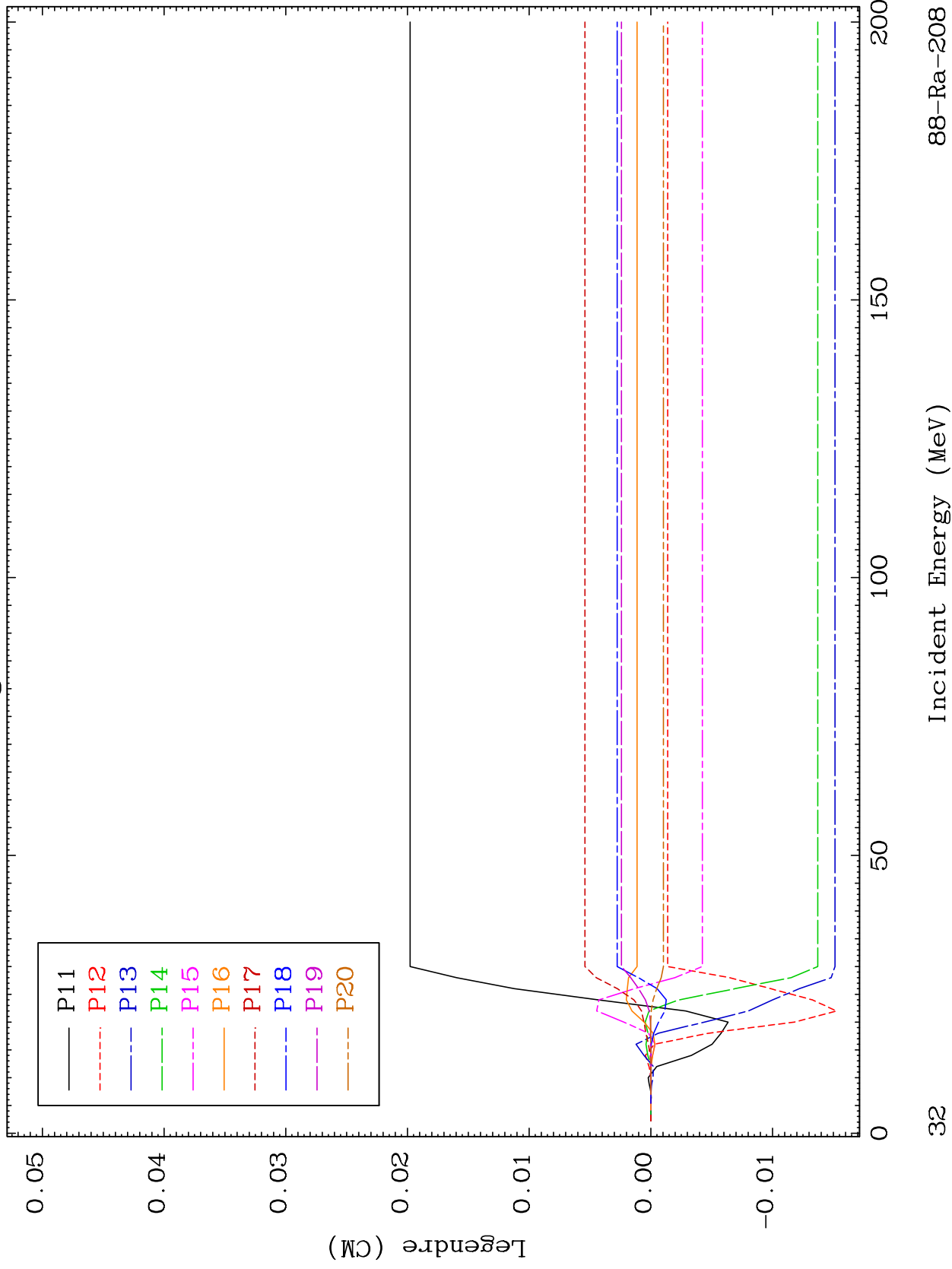
88-Ra-208



MAT 8780

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

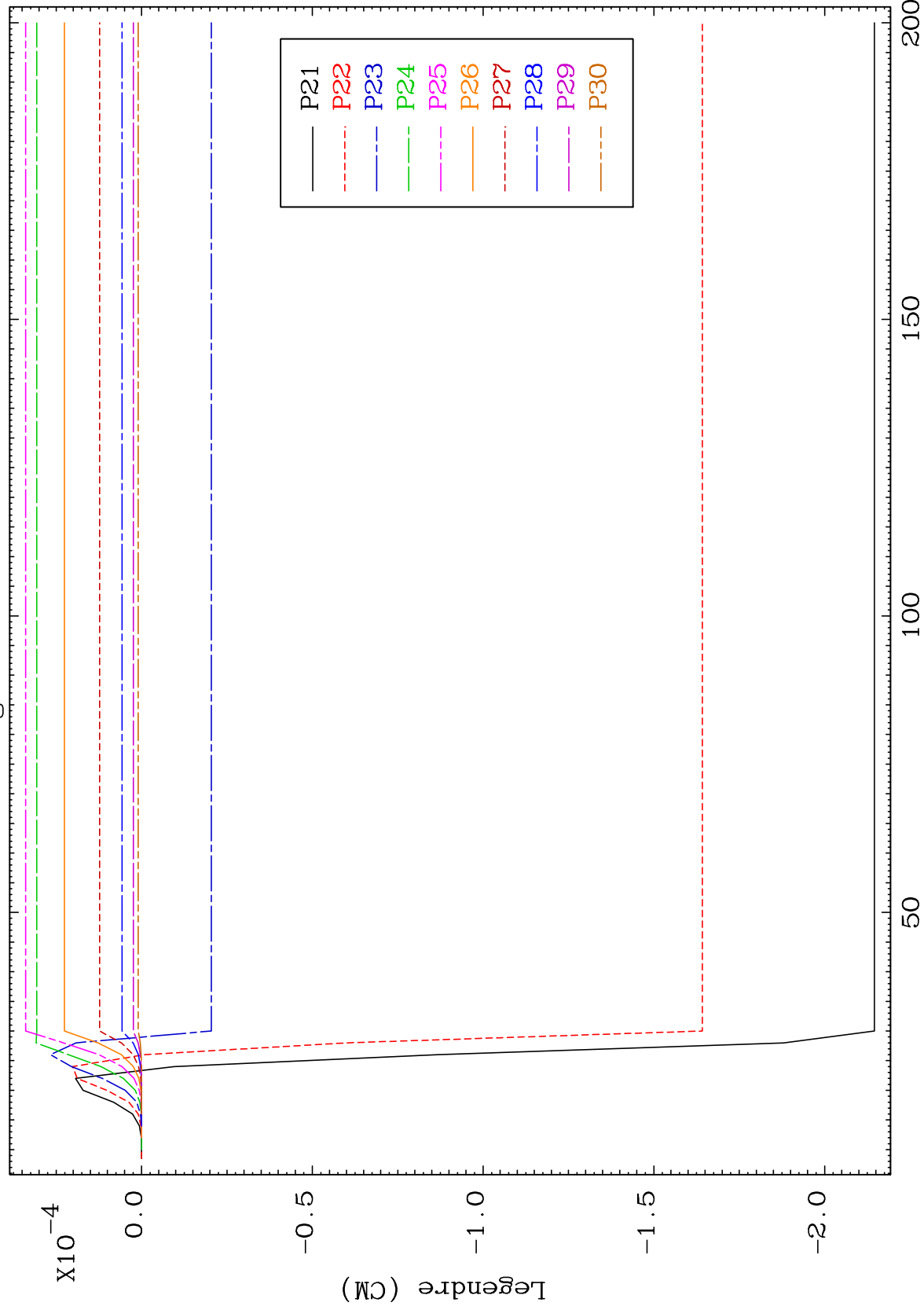
88-Ra-208



88-Ra-208

Incident Energy (MeV)

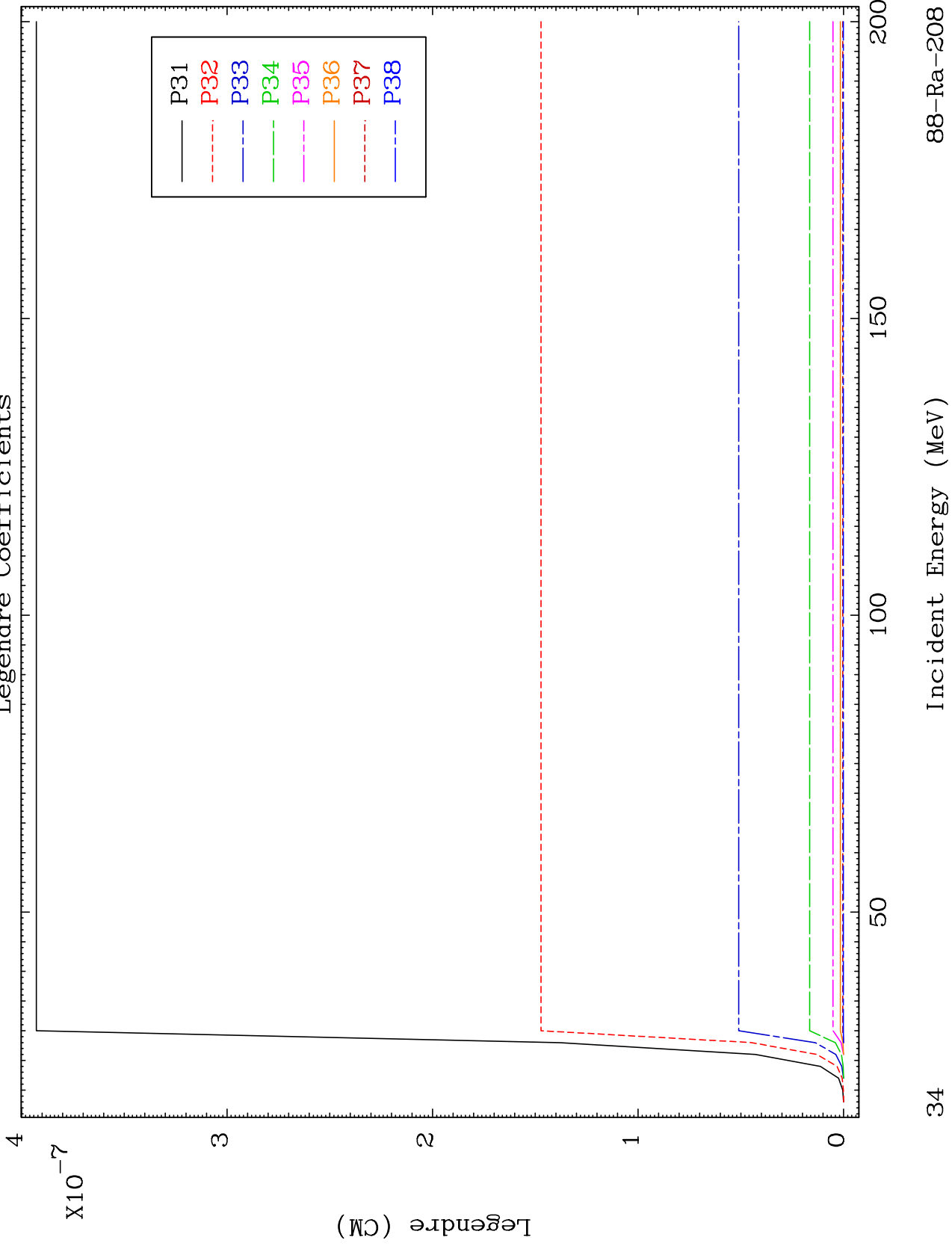
32



MAT 8780

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

88-Ra-208



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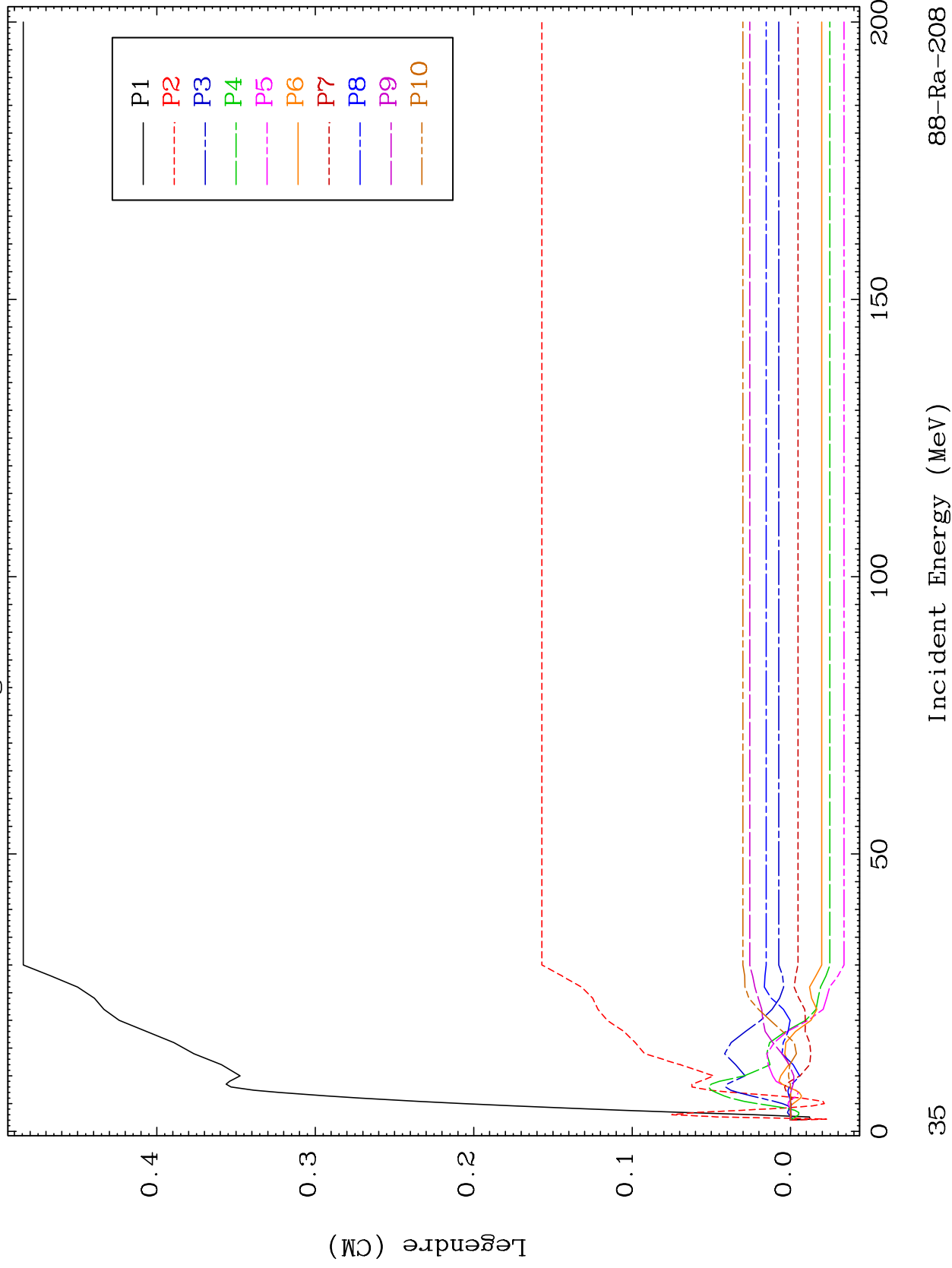
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



88-Ra-208

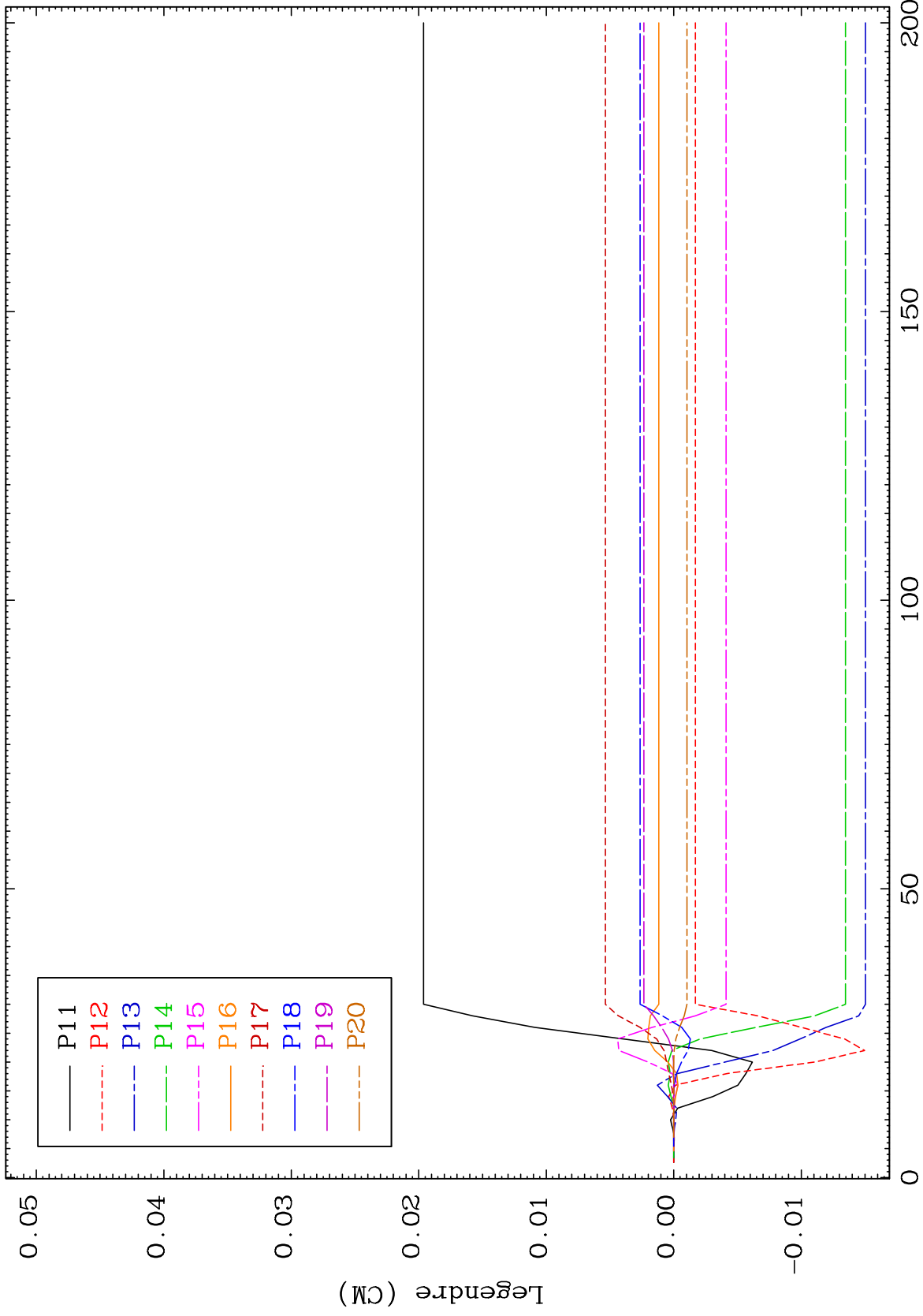
Incident Energy (MeV)

35

MAT 8780

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

88-Ra-208



36

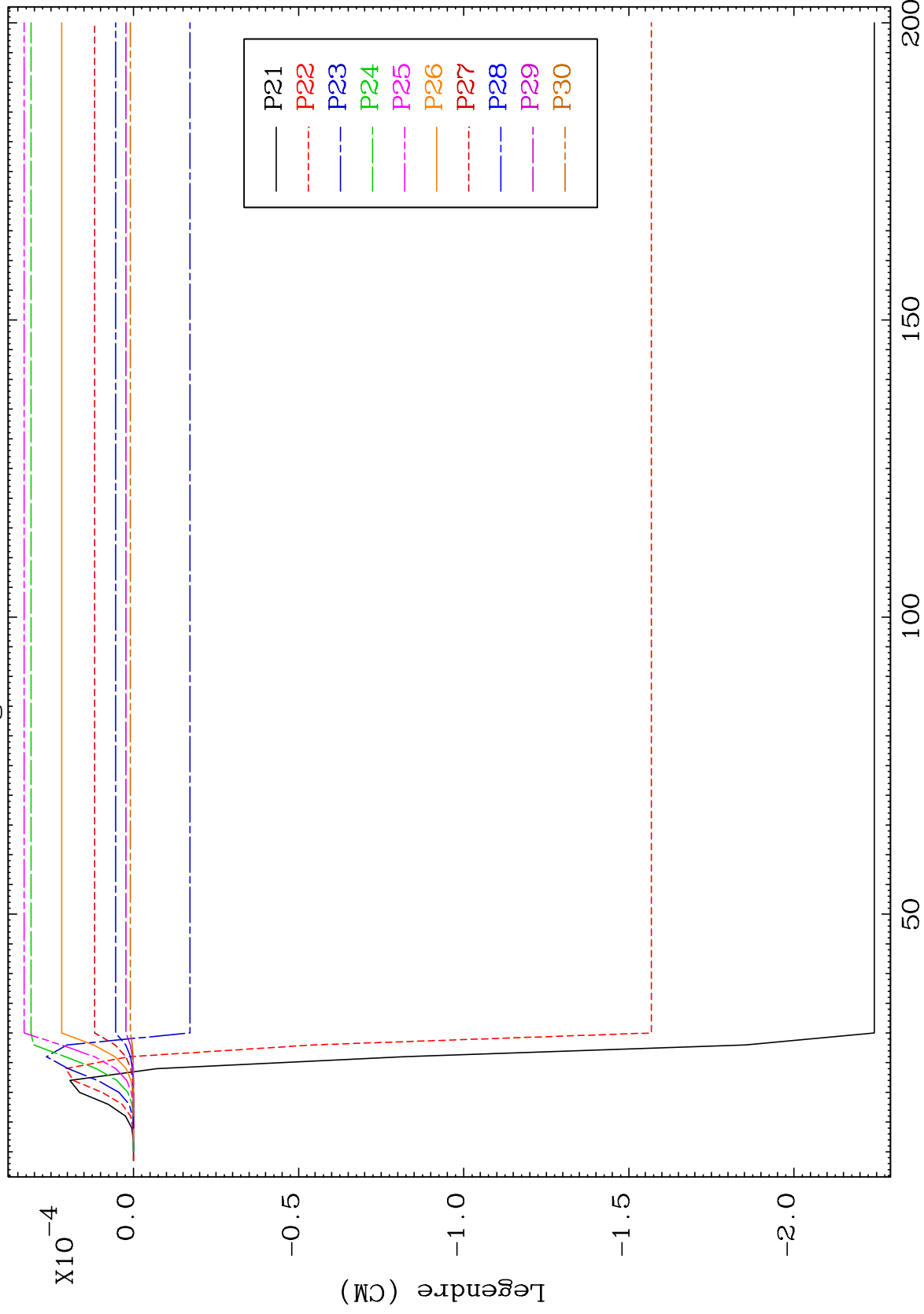
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



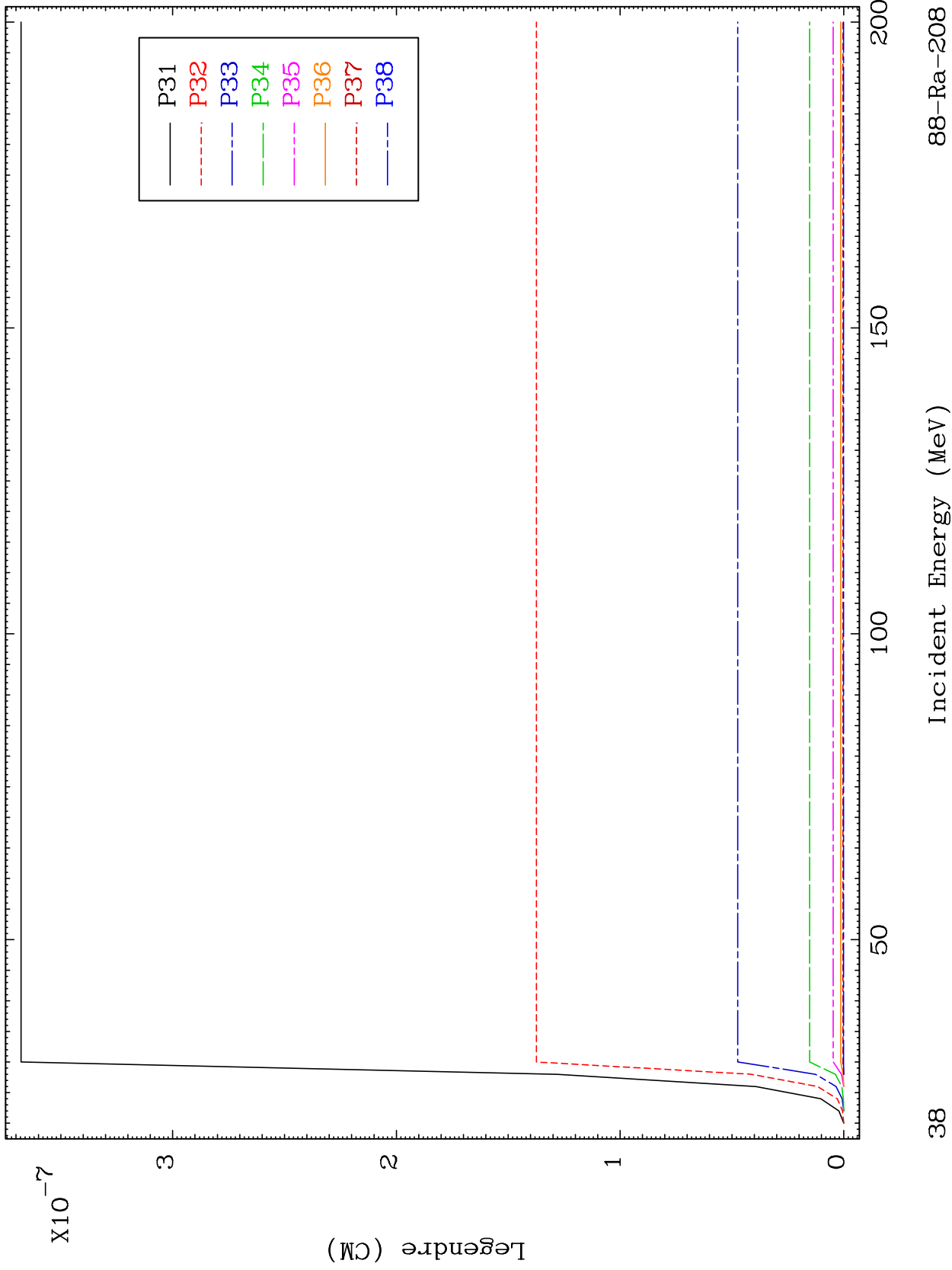
37

88-Ra-208

MAT 8780

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

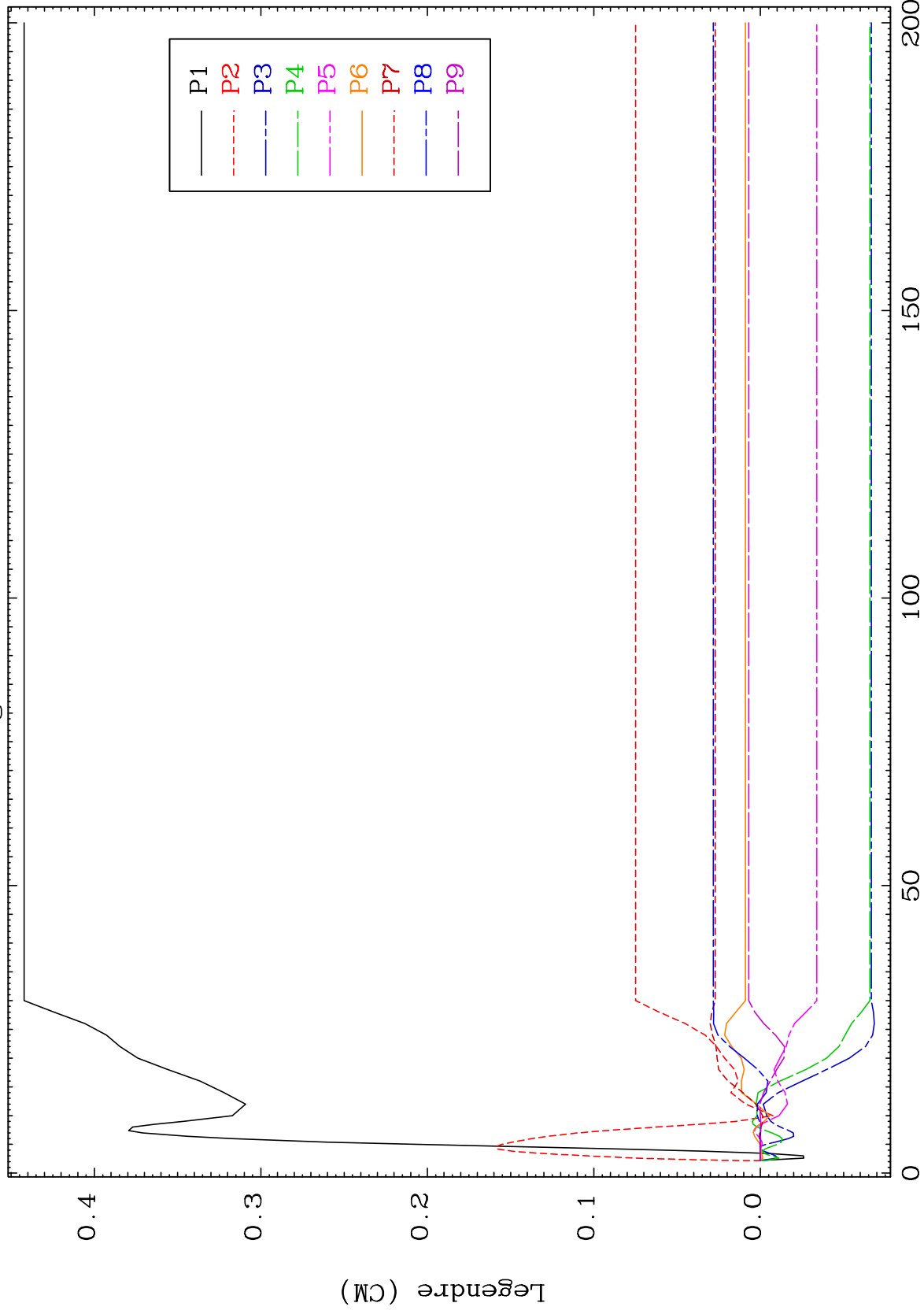
88-Ra-208



MAT 8780

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

88-Ra-208



39

Incident Energy (MeV)

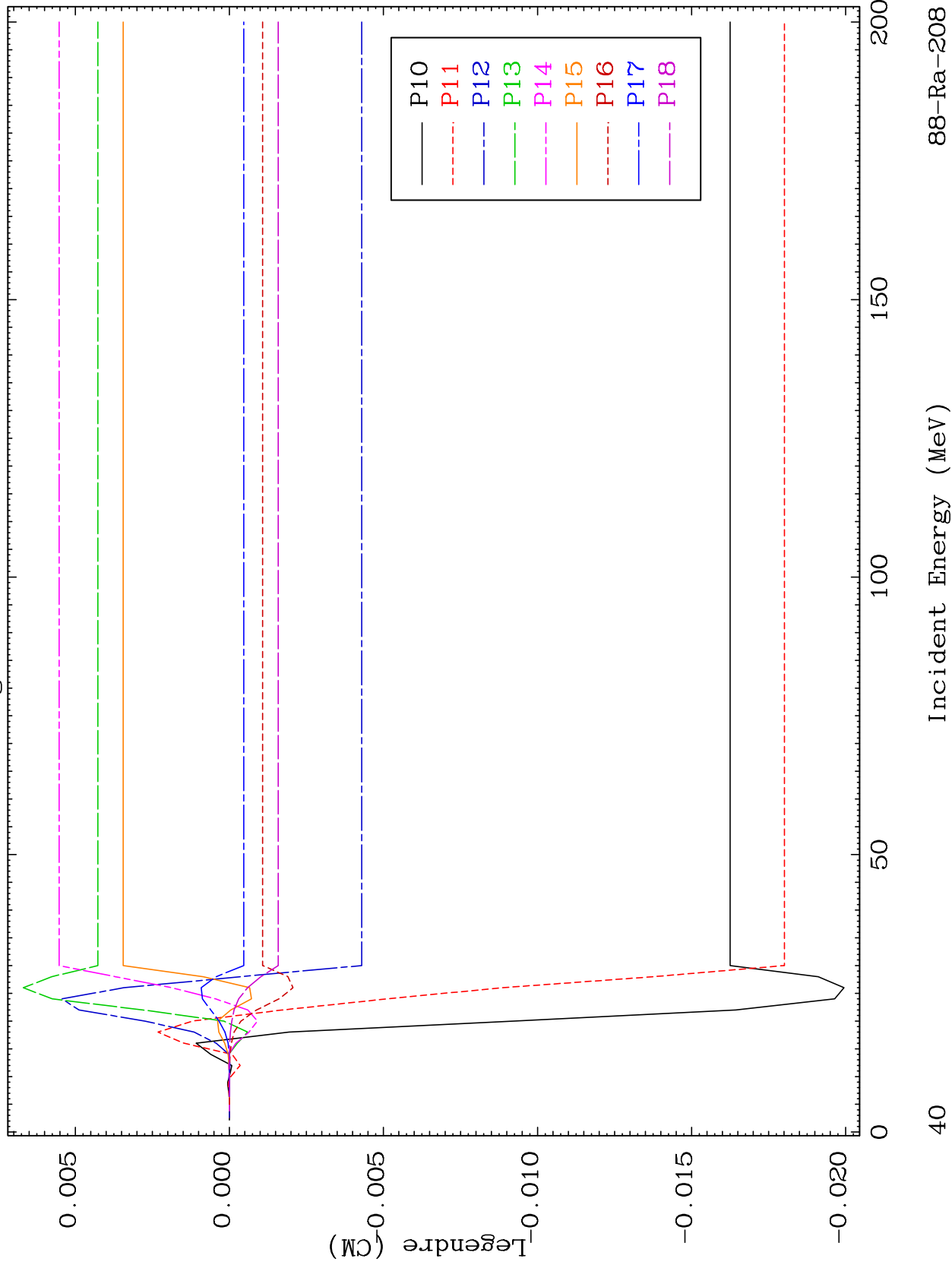
88-Ra-208



MAT 8780

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

88-Ra-208



88-Ra-208

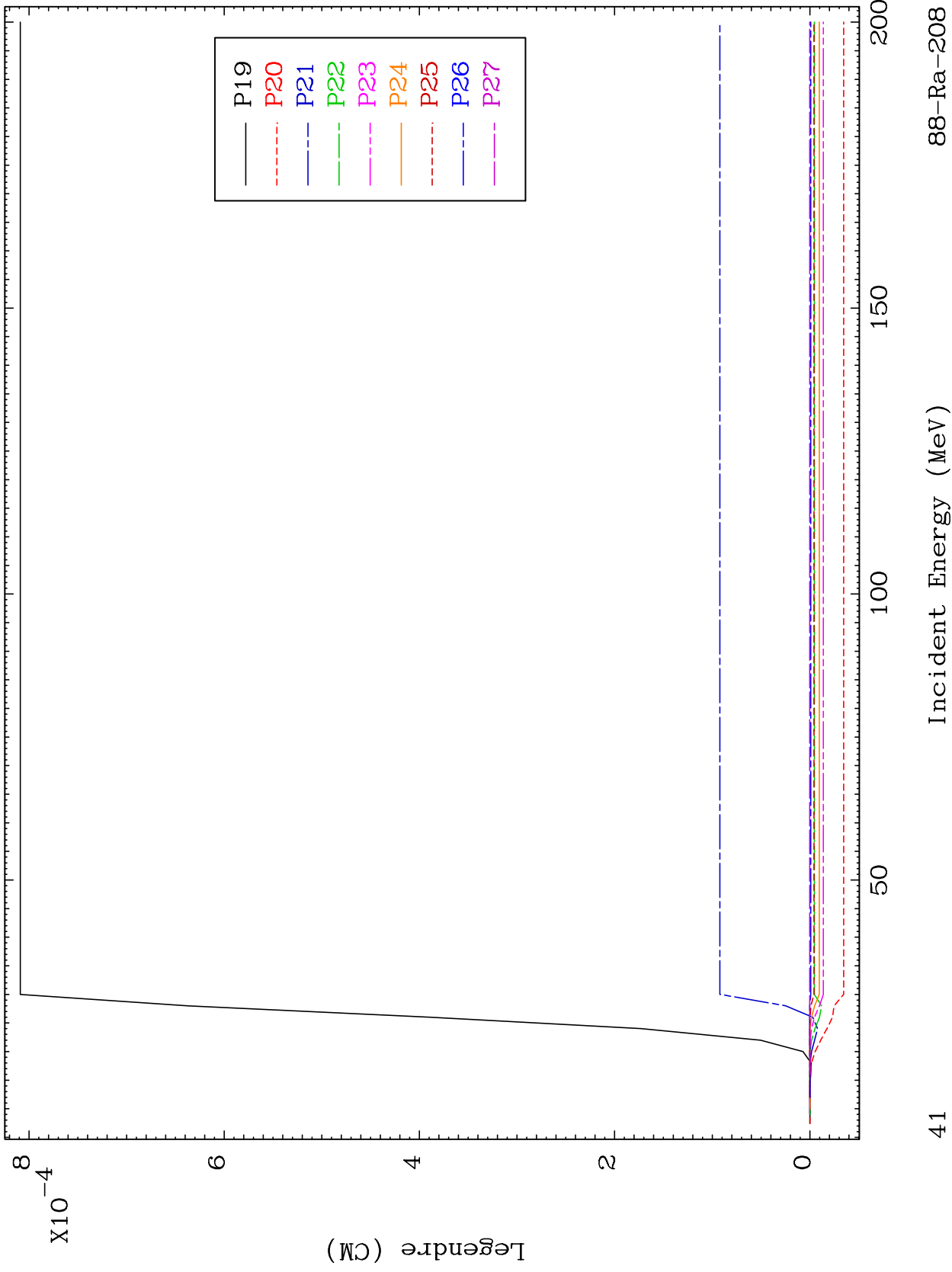
Incident Energy (MeV)

40

MAT 8780

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

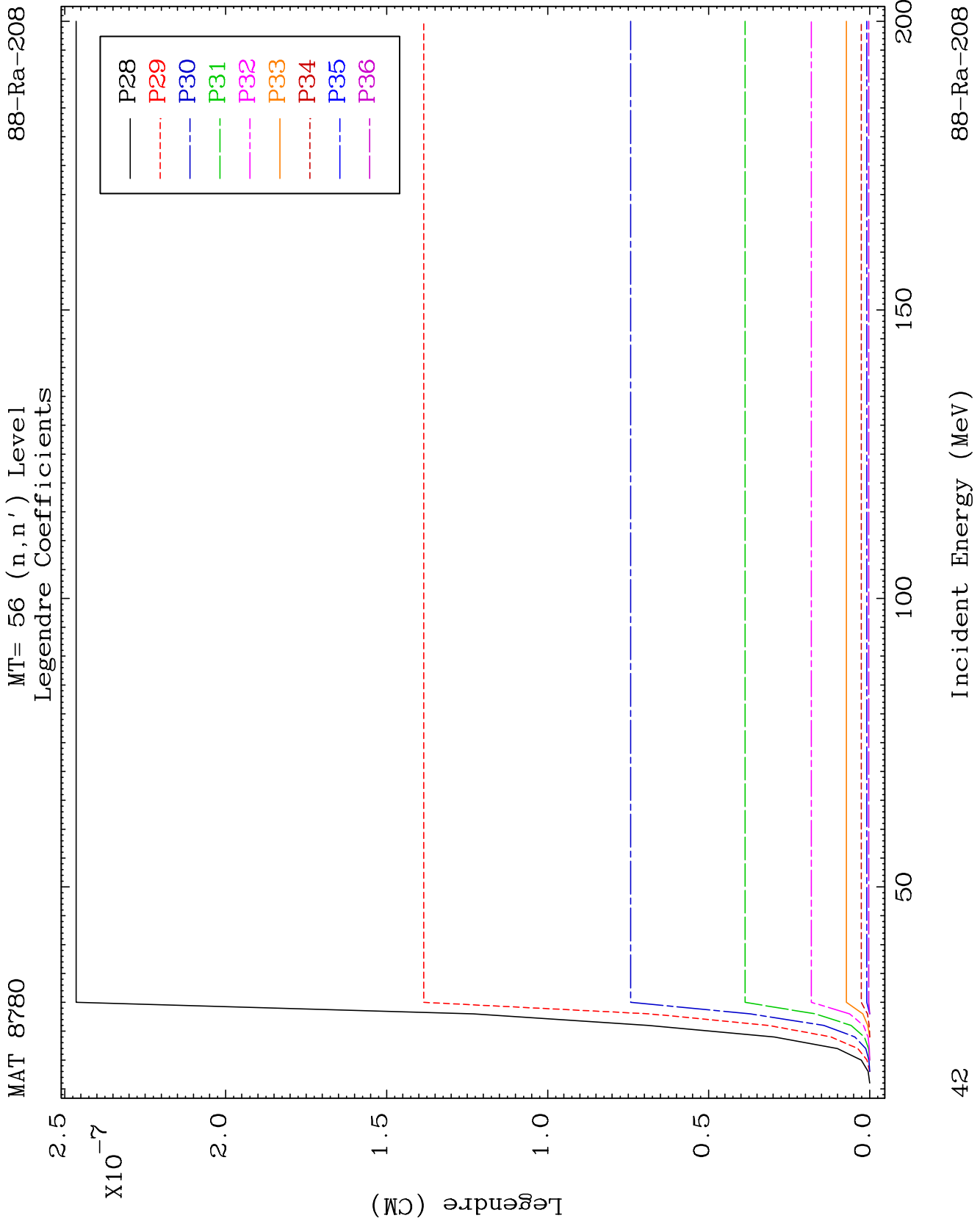
88-Ra-208



41

Incident Energy (MeV)

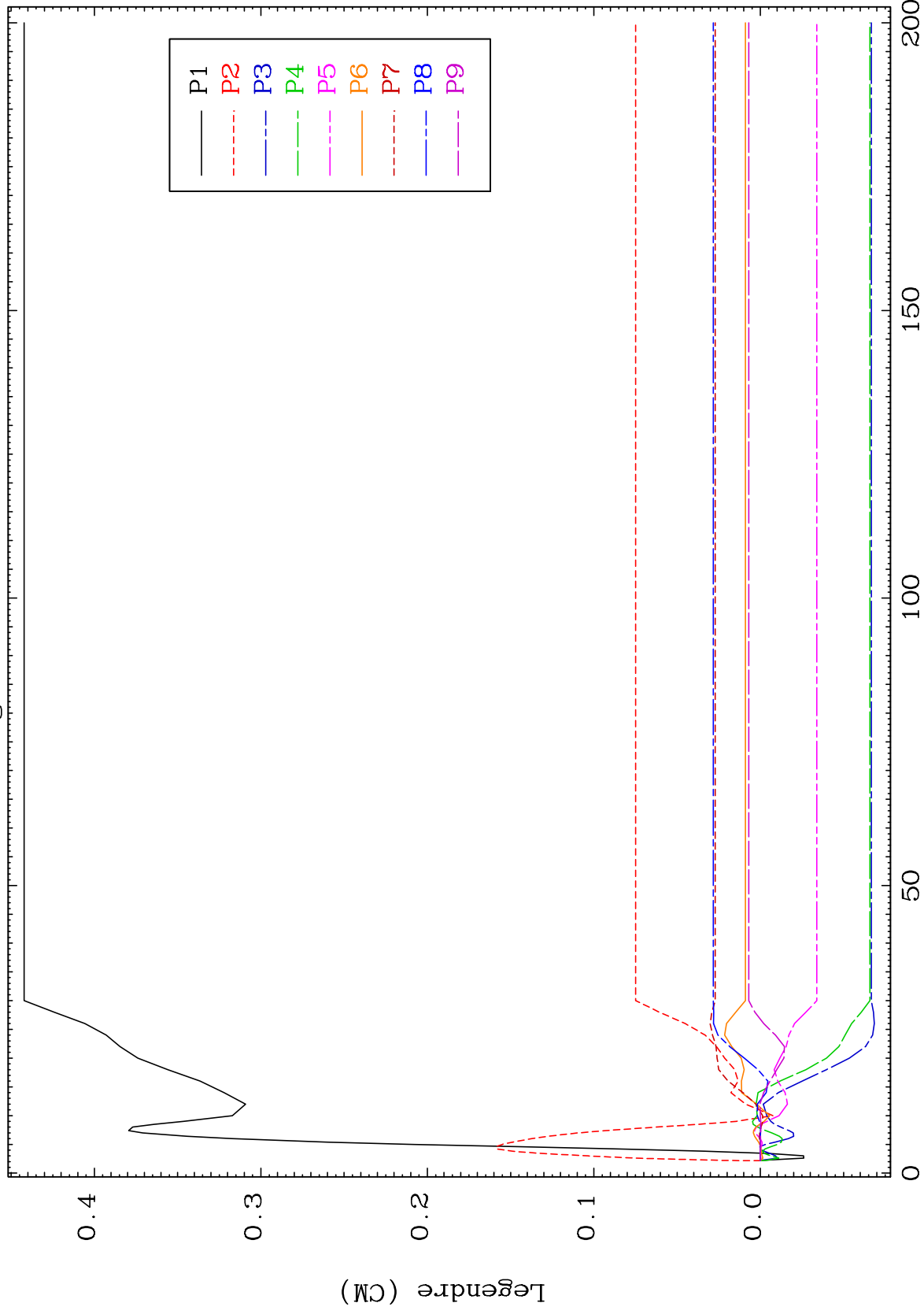
88-Ra-208



MAT 8780

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

88-Ra-208



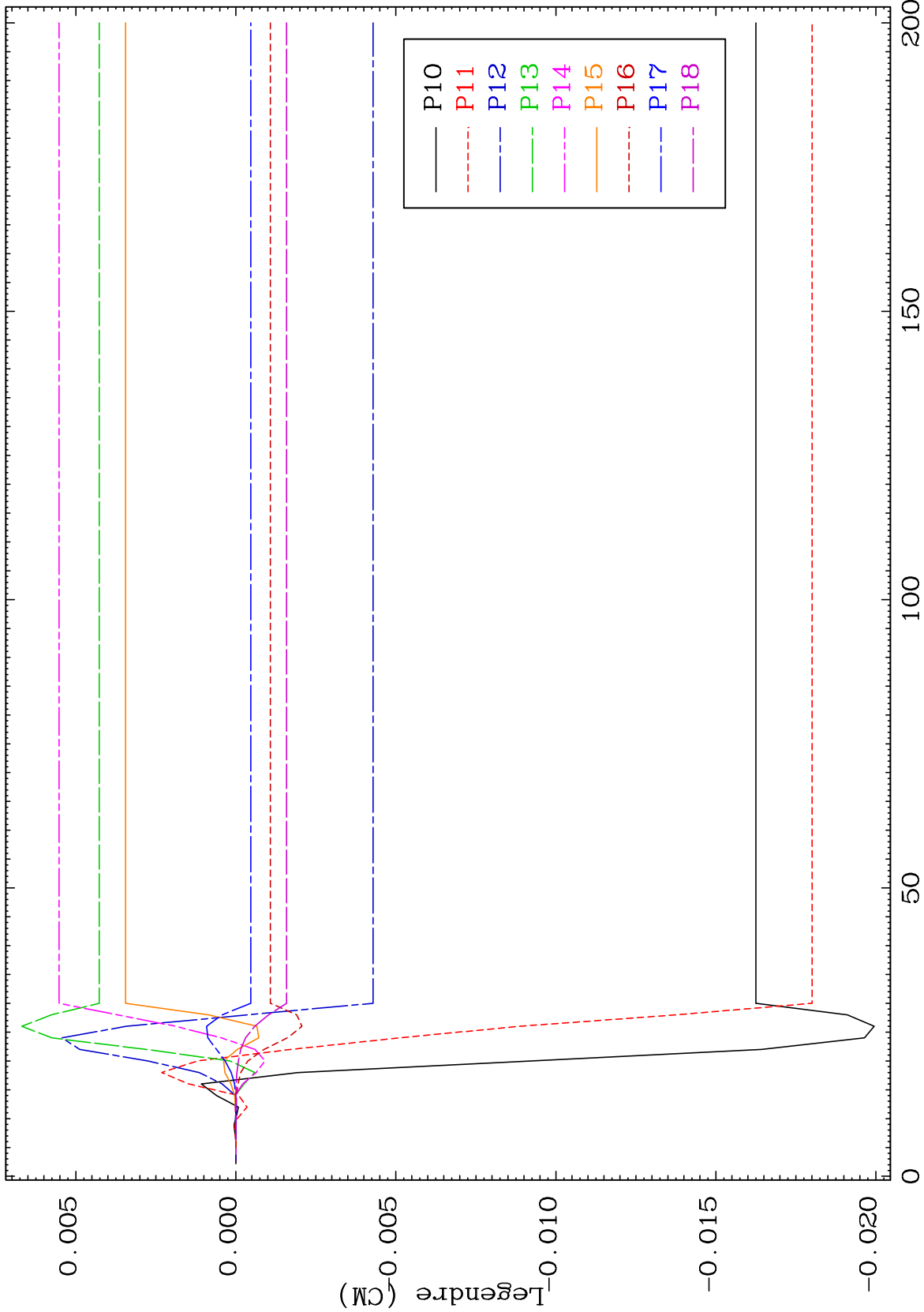
43

88-Ra-208

MAT 8780

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

88-Ra-208



44

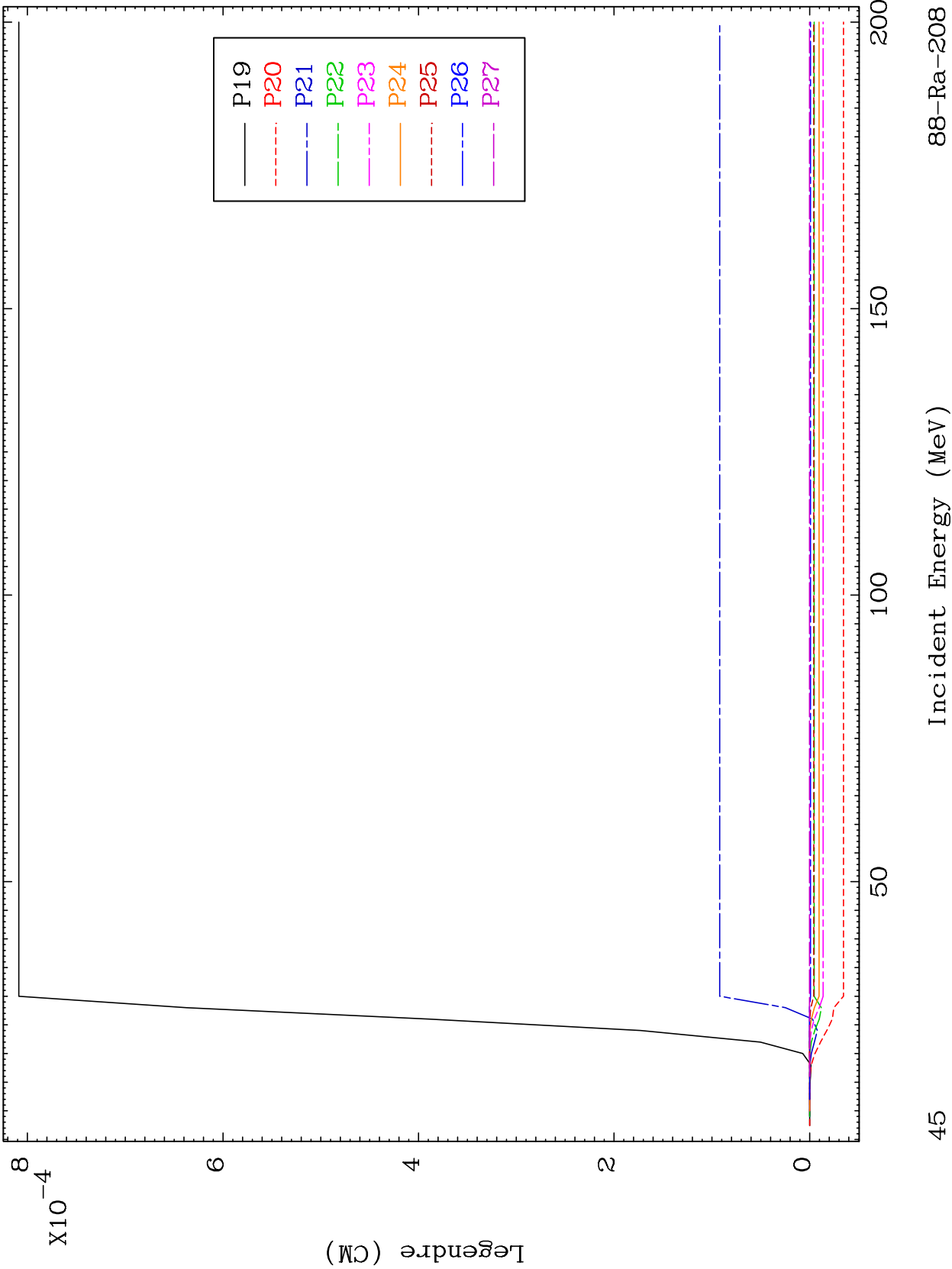
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

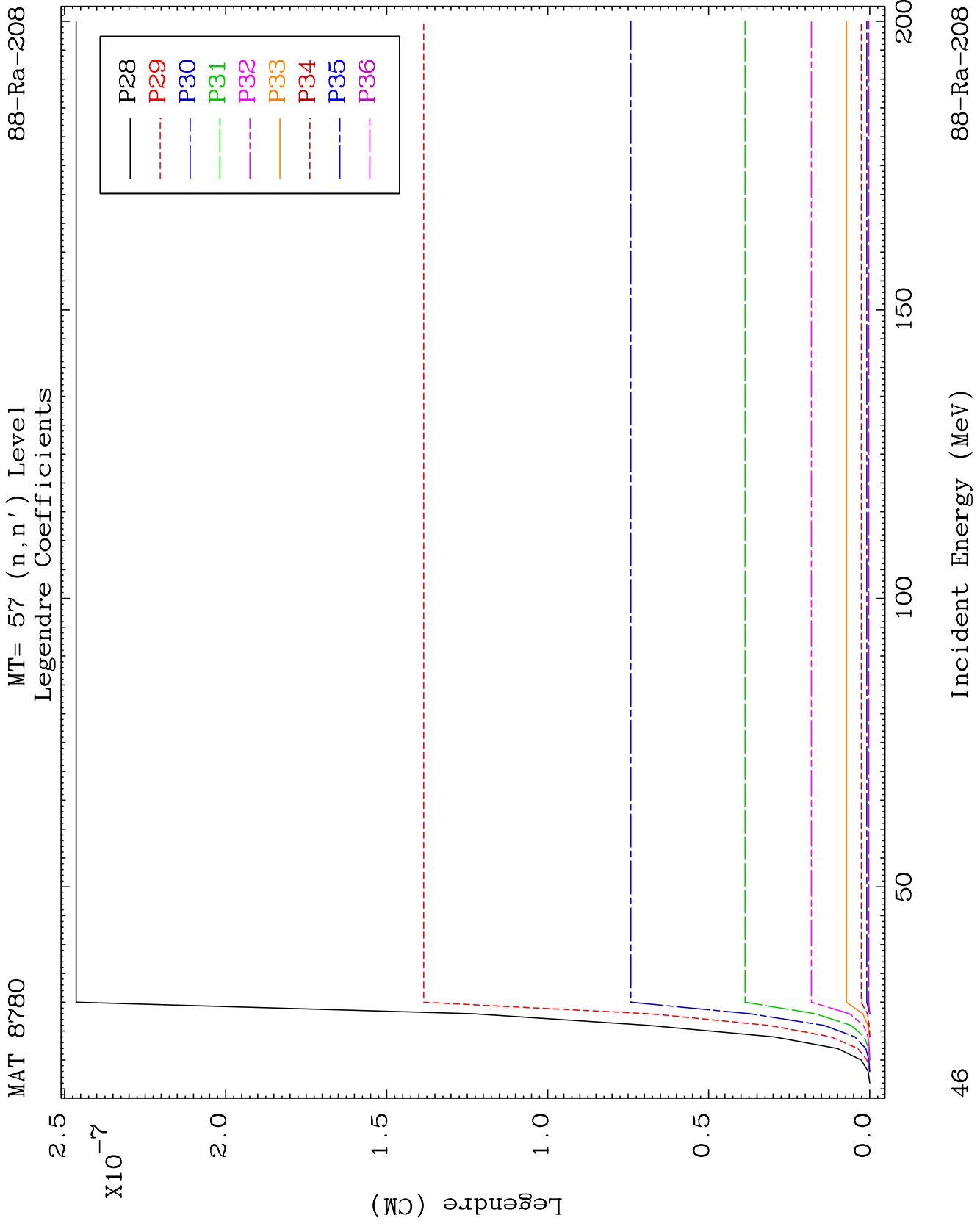
88-Ra-208



45

Incident Energy (MeV)

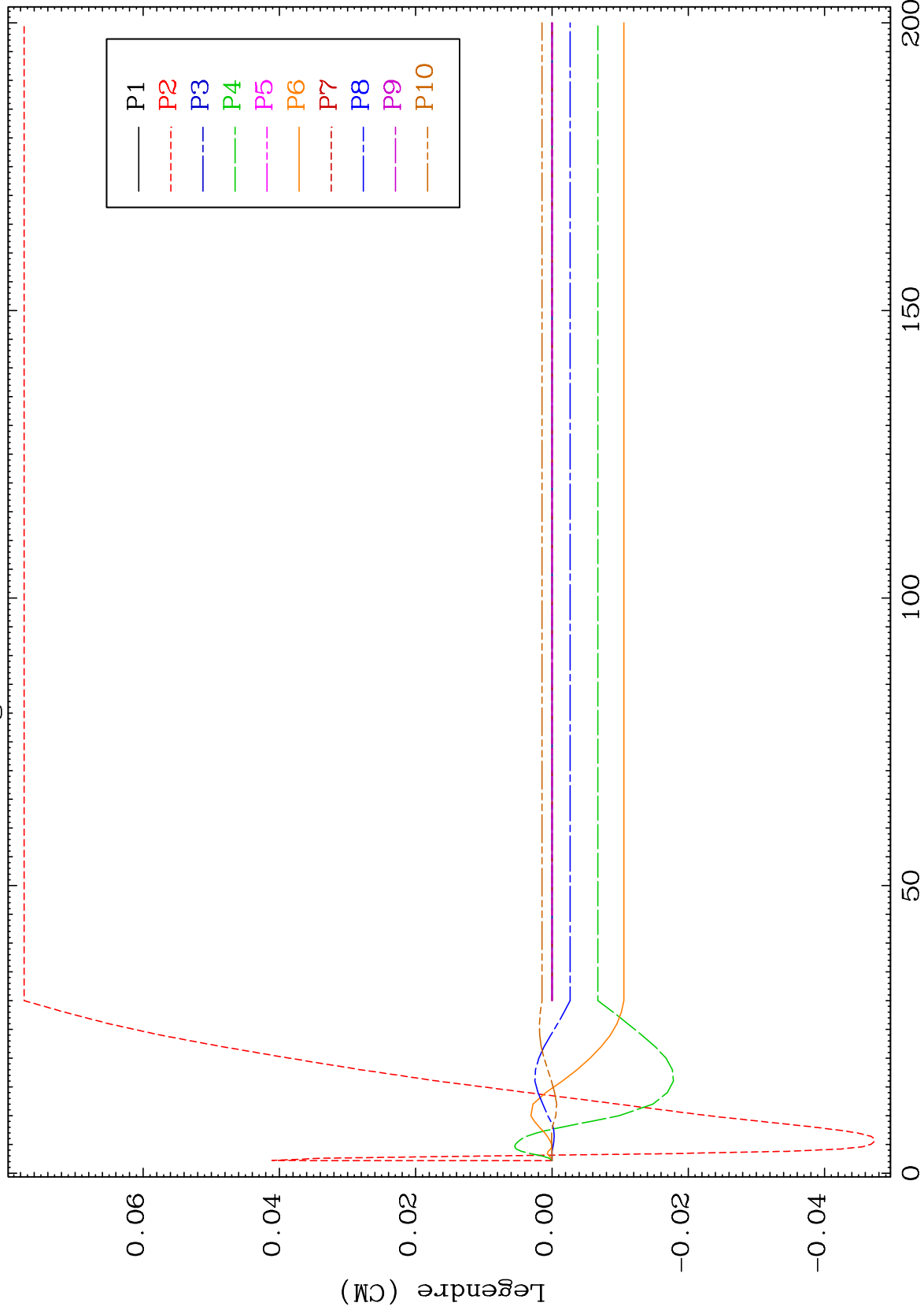
88-Ra-208



MAT 8780

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

88-Ra-208

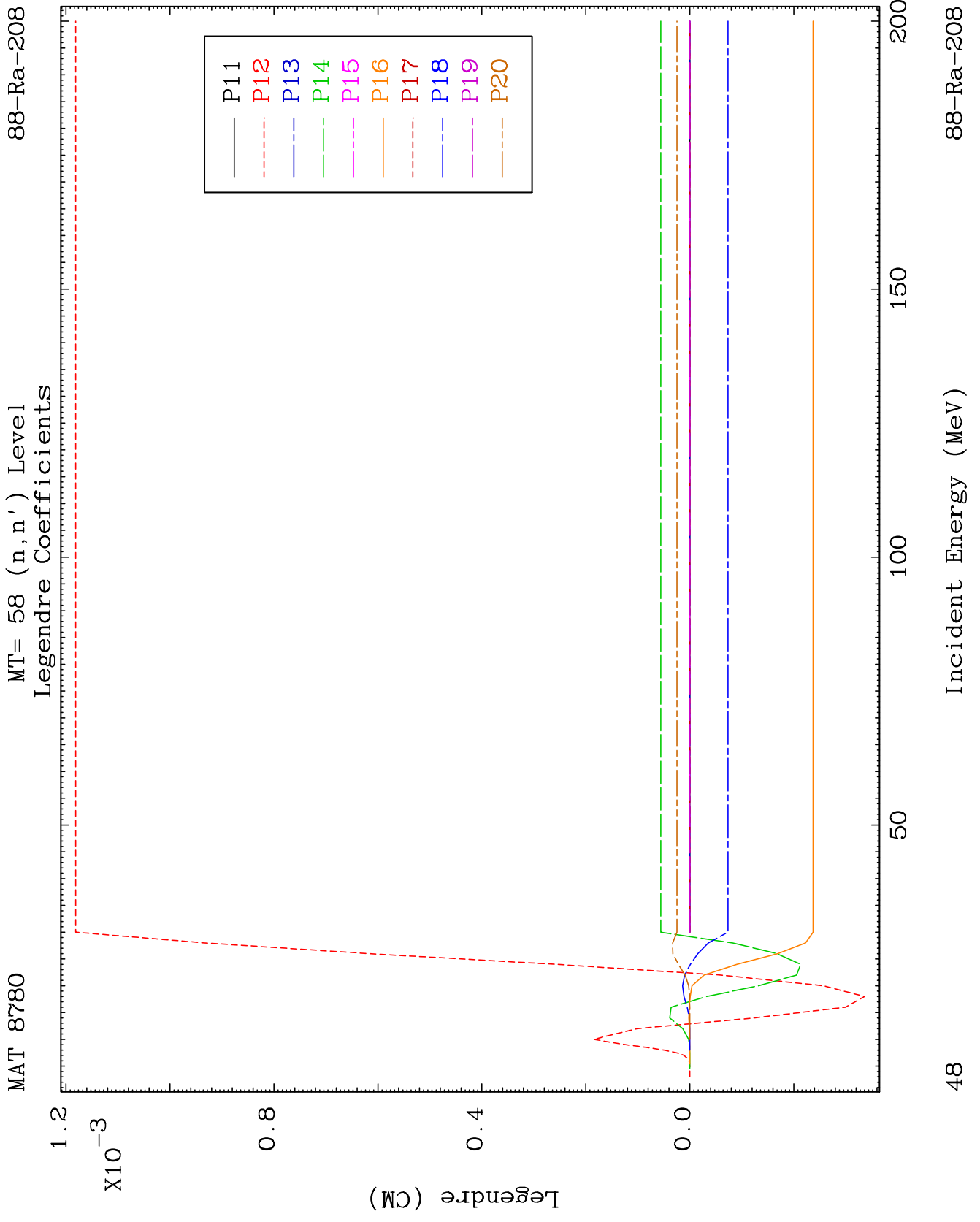


47

Incident Energy (MeV)

88-Ra-208

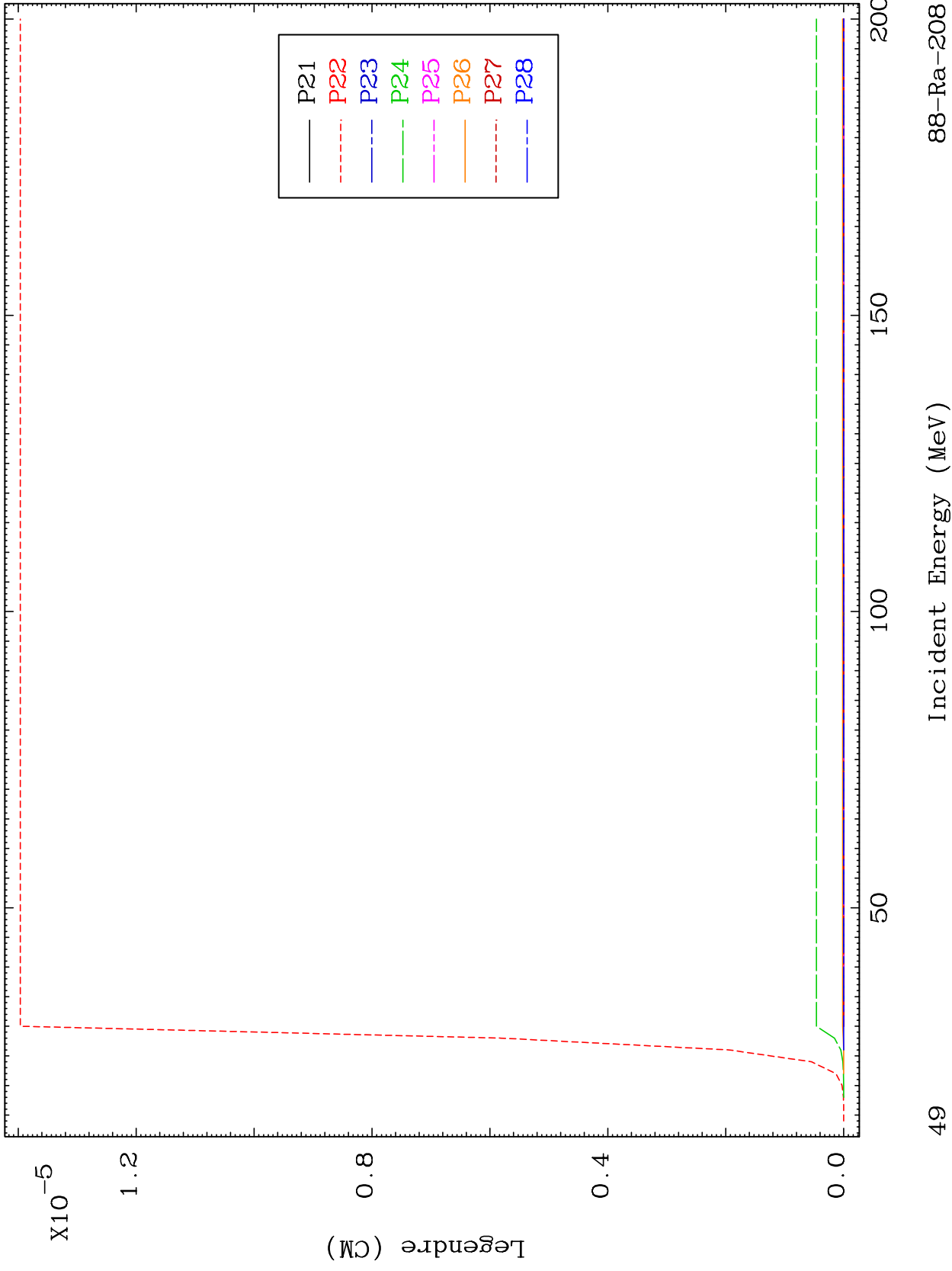




MAT 8780

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

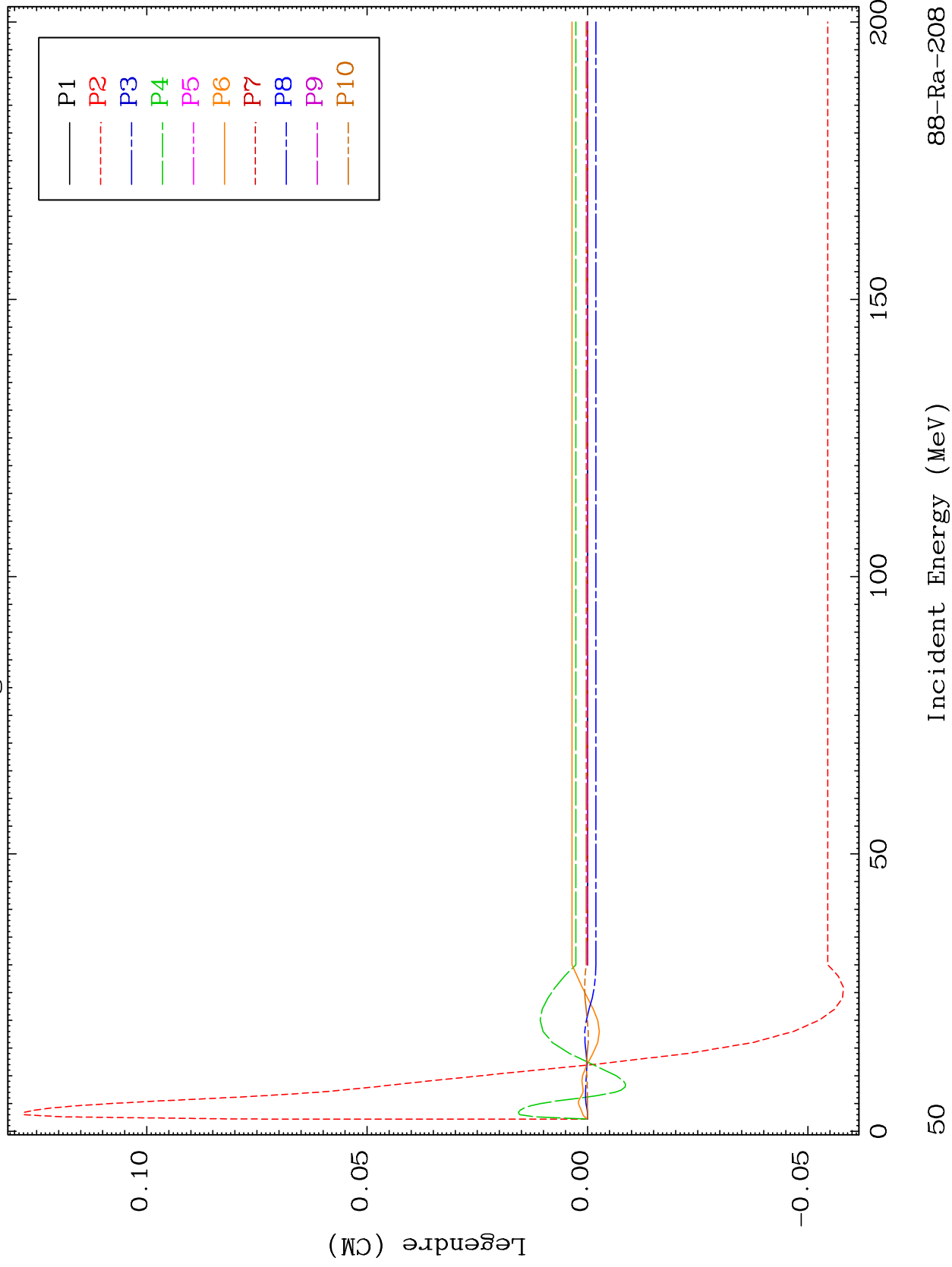
88-Ra-208

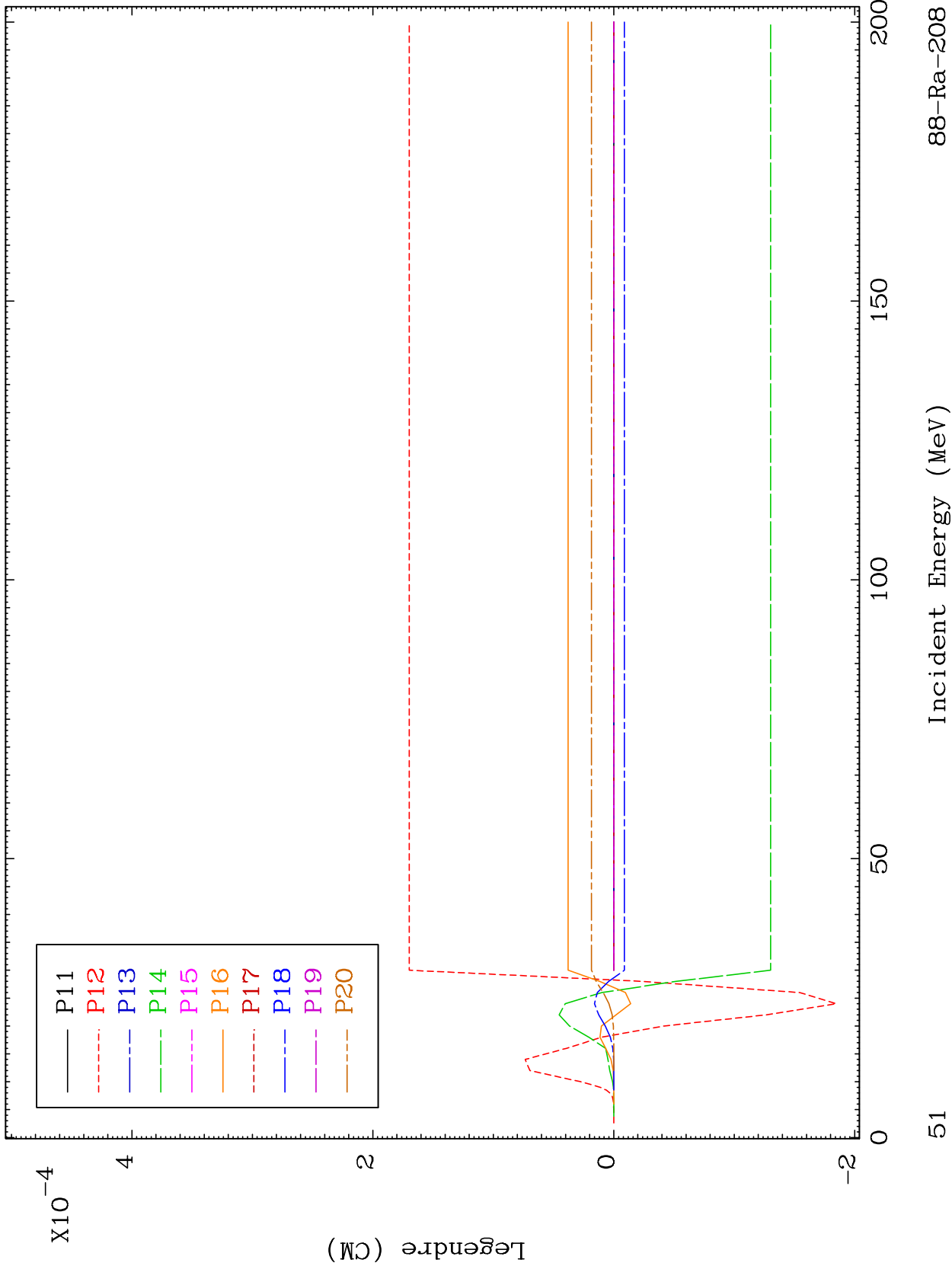


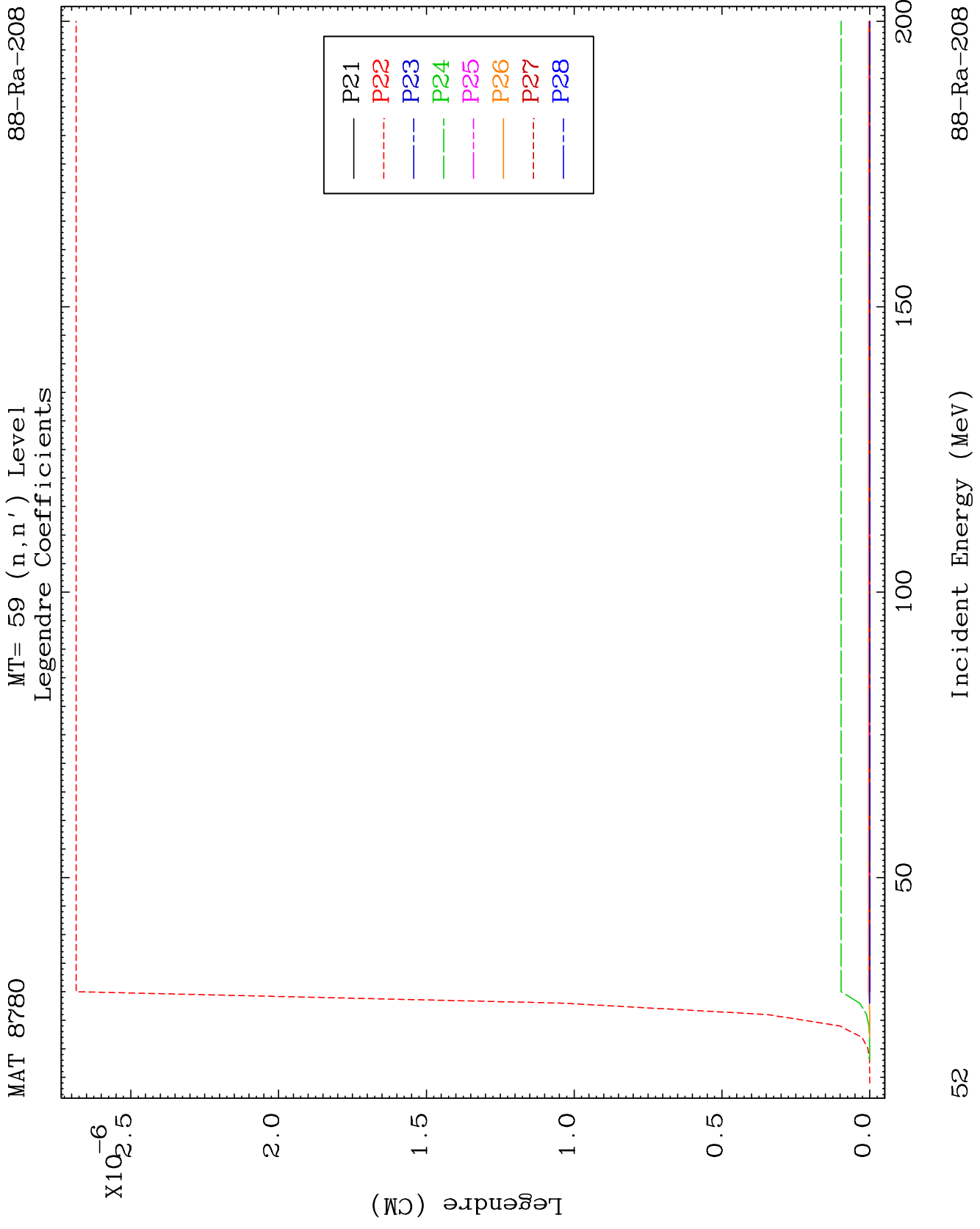
MAT 8780

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

88-Ra-208



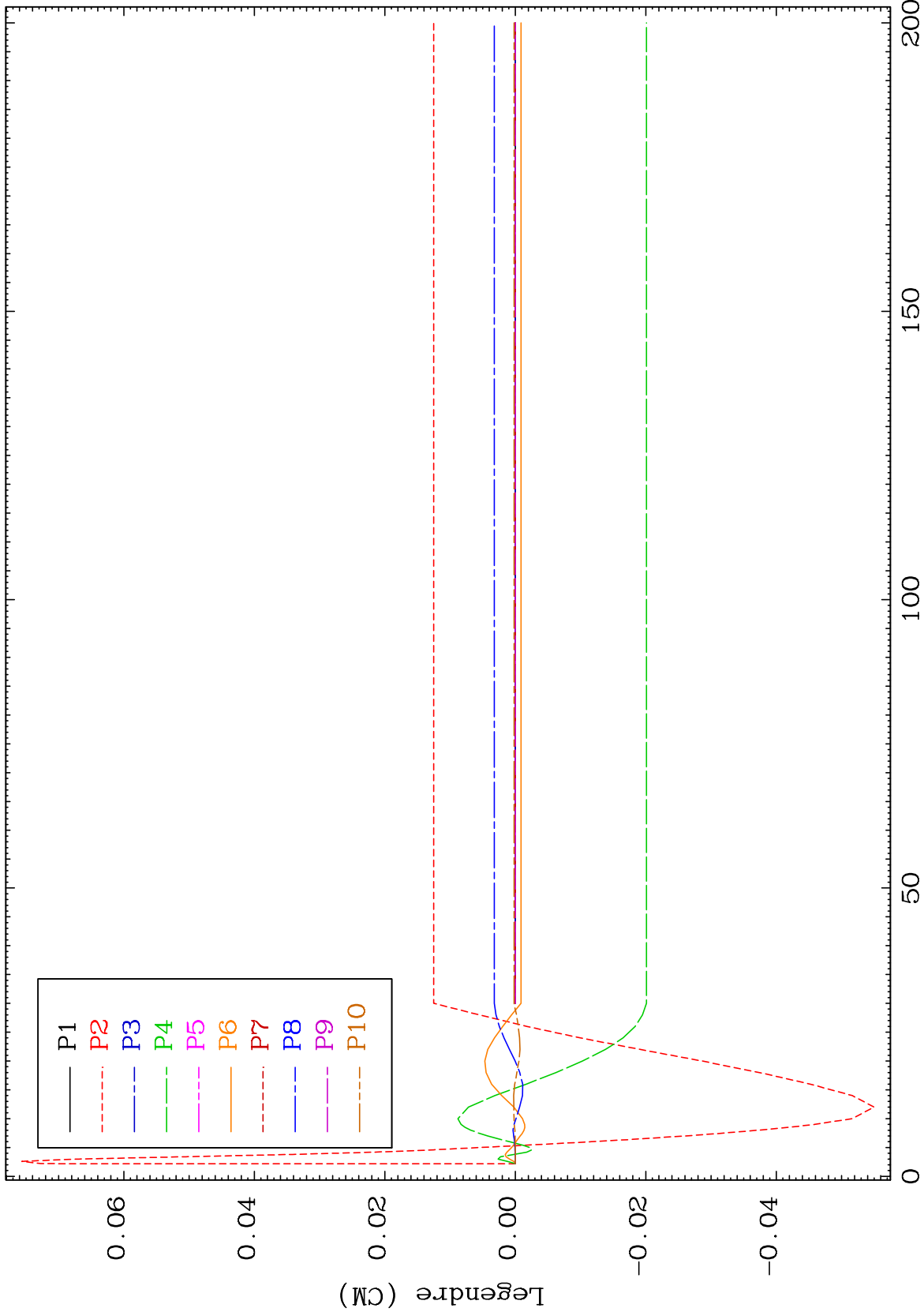




MAT 8780

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

88-Ra-208



53

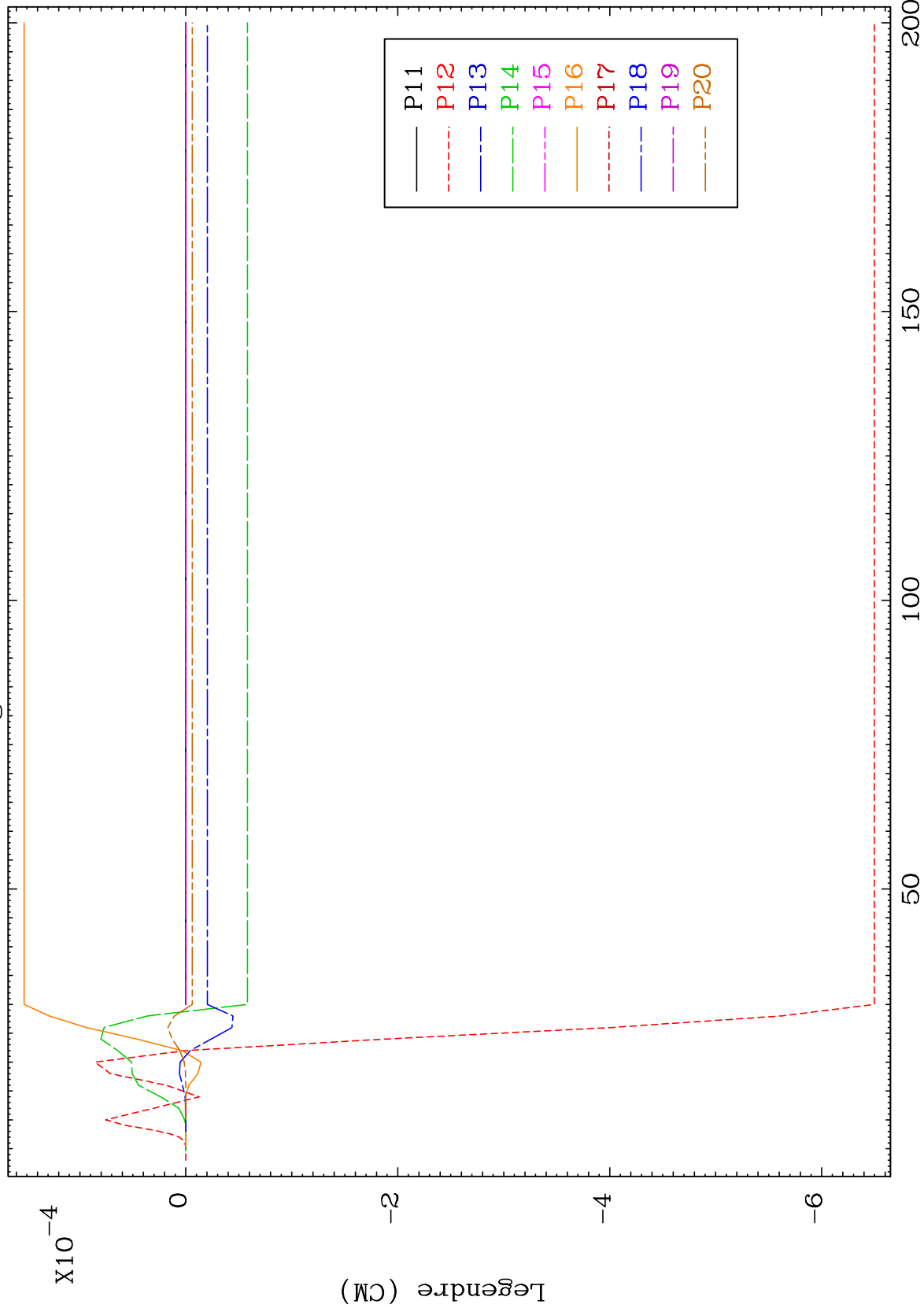
Incident Energy (MeV)

88-Ra-208

MAT 8780

88-Ra-208

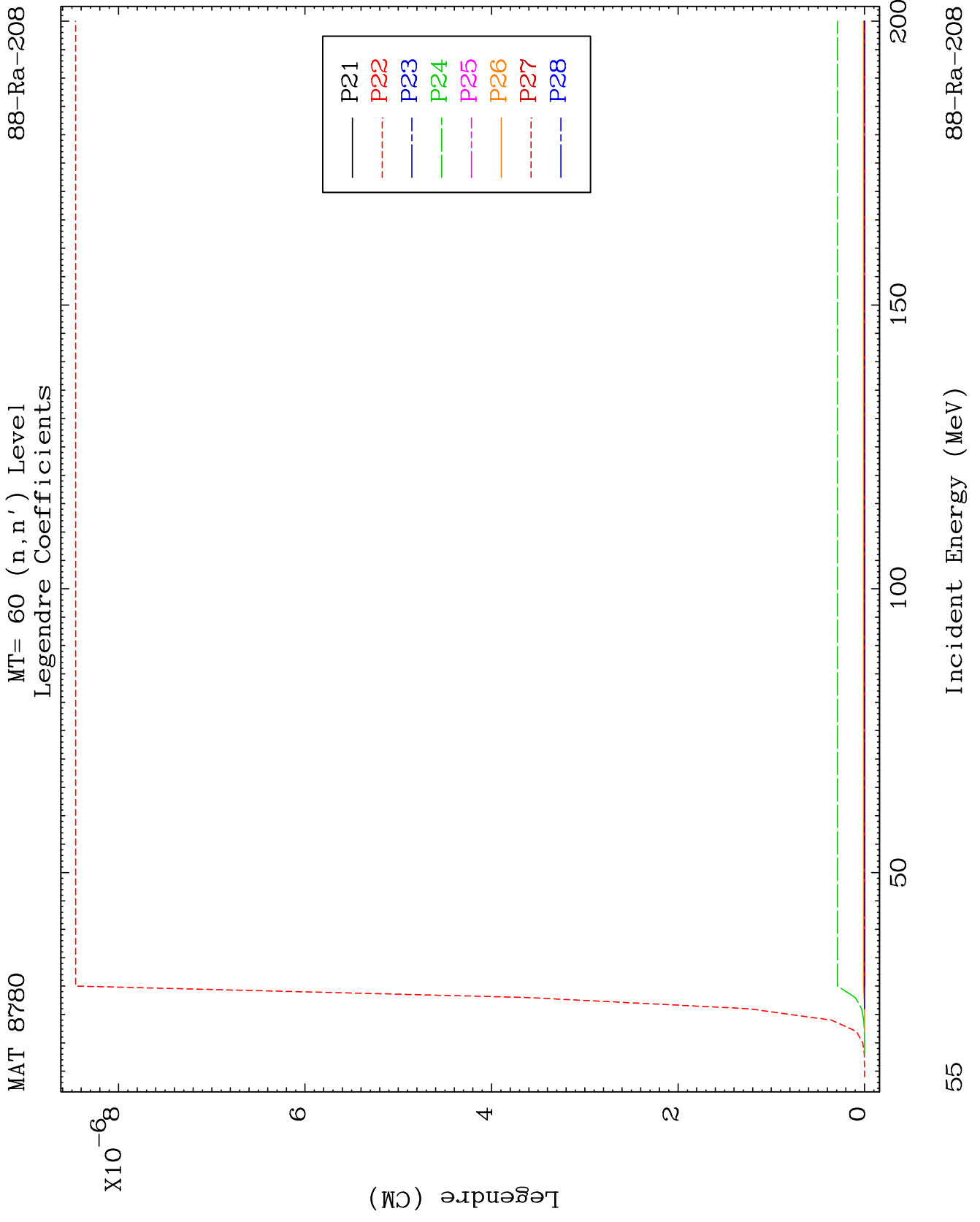
MT= 60 (n,n') Level  
Legendre Coefficients



54

Incident Energy (MeV)

88-Ra-208



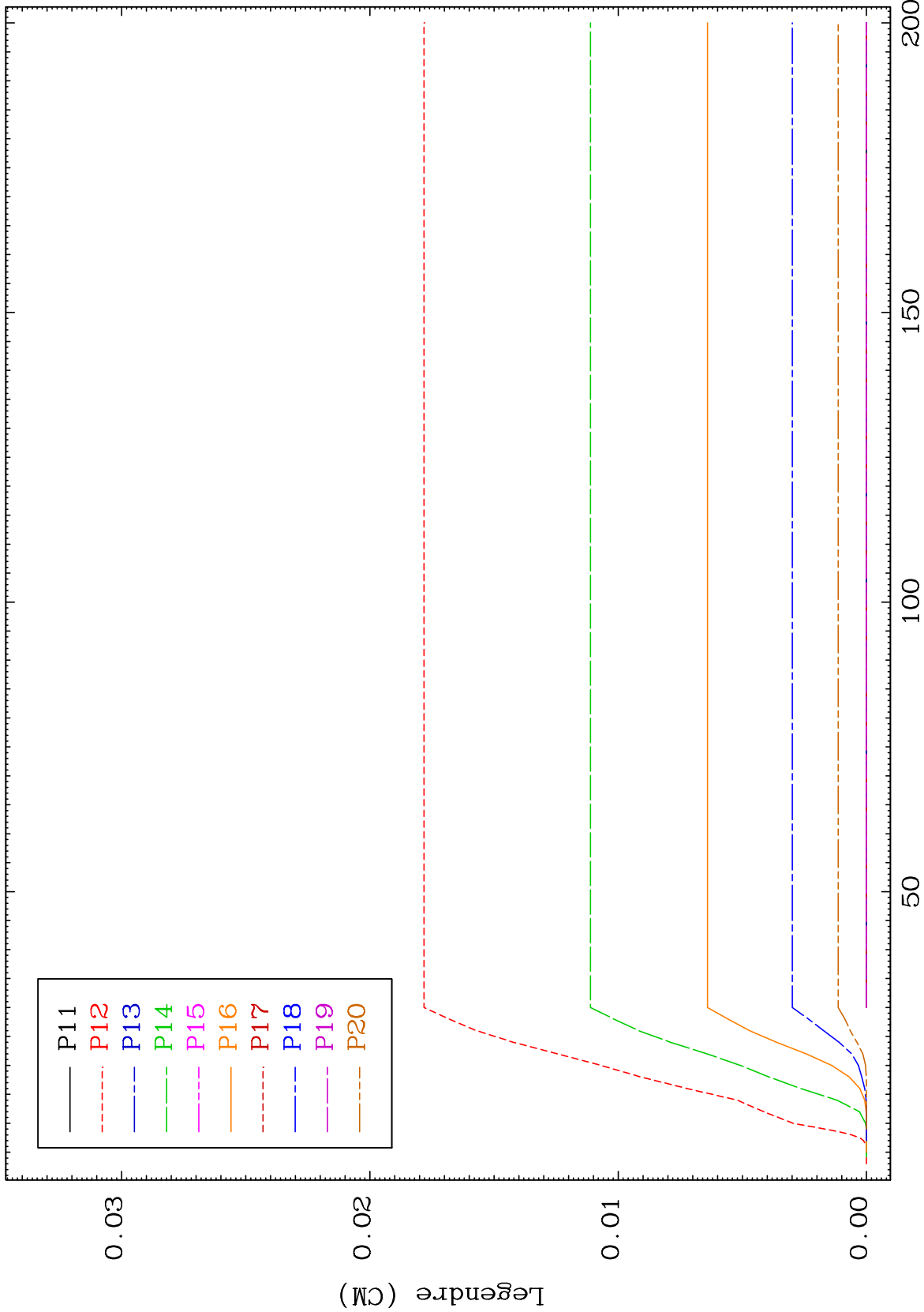




MAT 8780

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

88-Ra-208



57

Incident Energy (MeV)

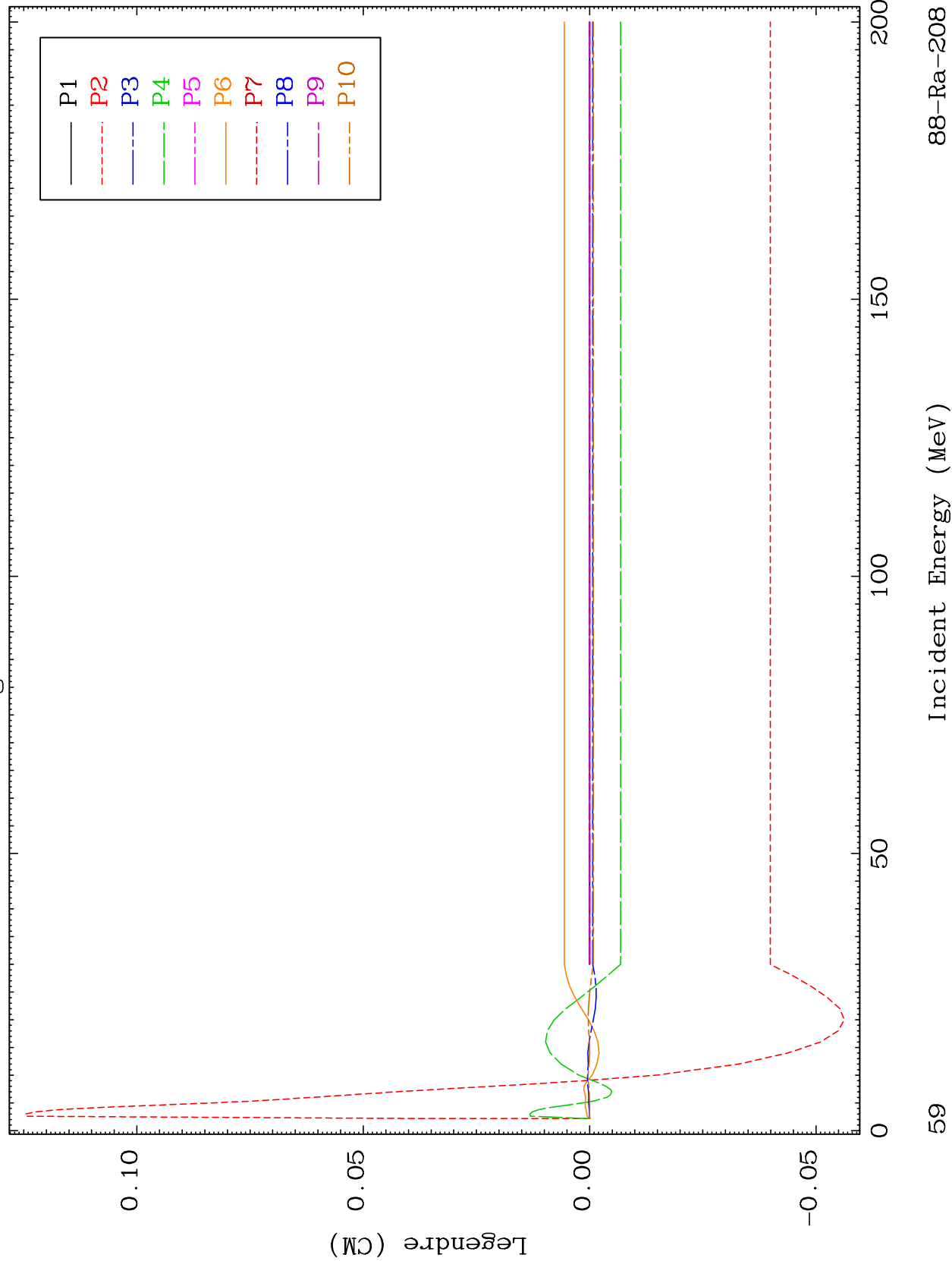
88-Ra-208



MAT 8780

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

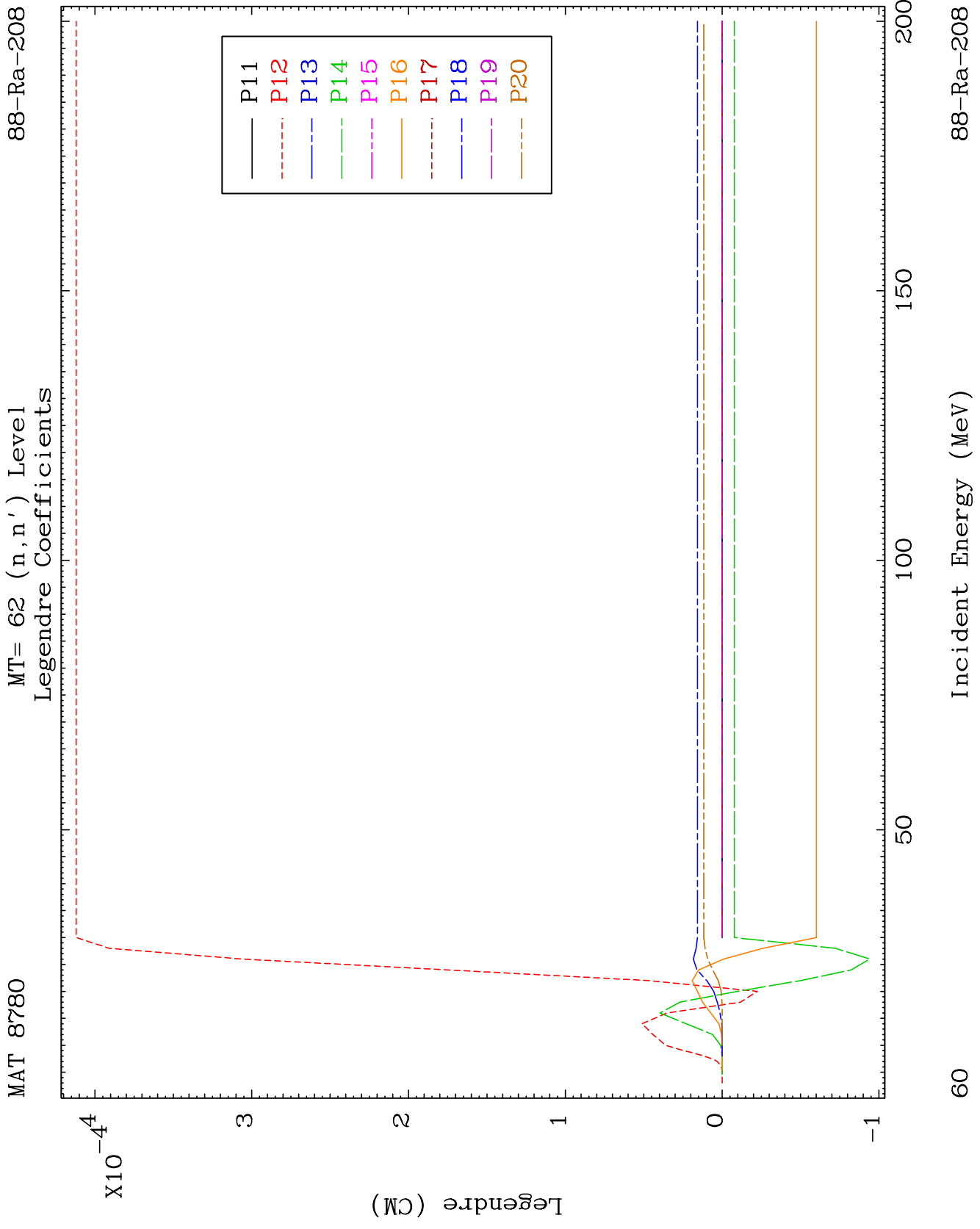
88-Ra-208

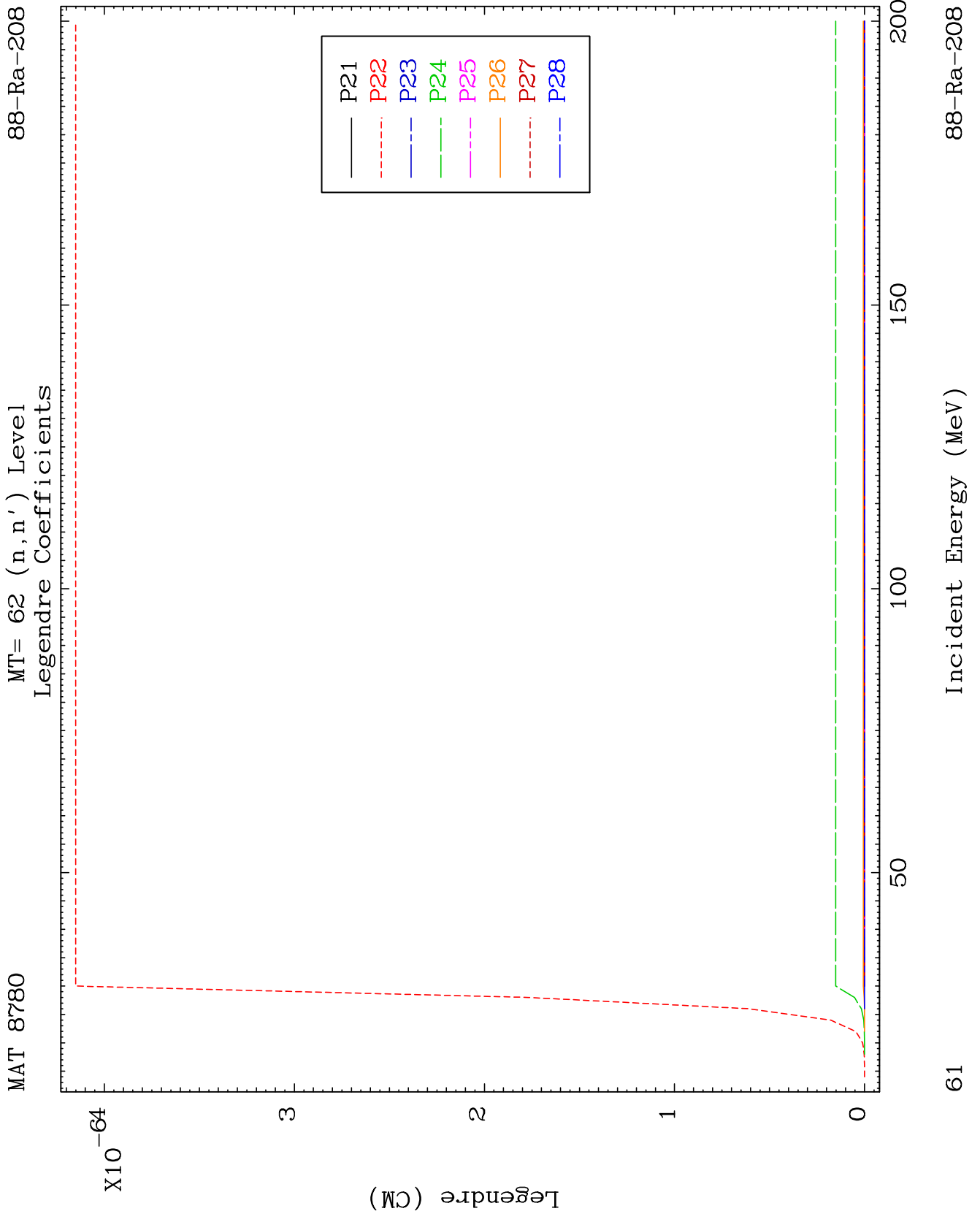


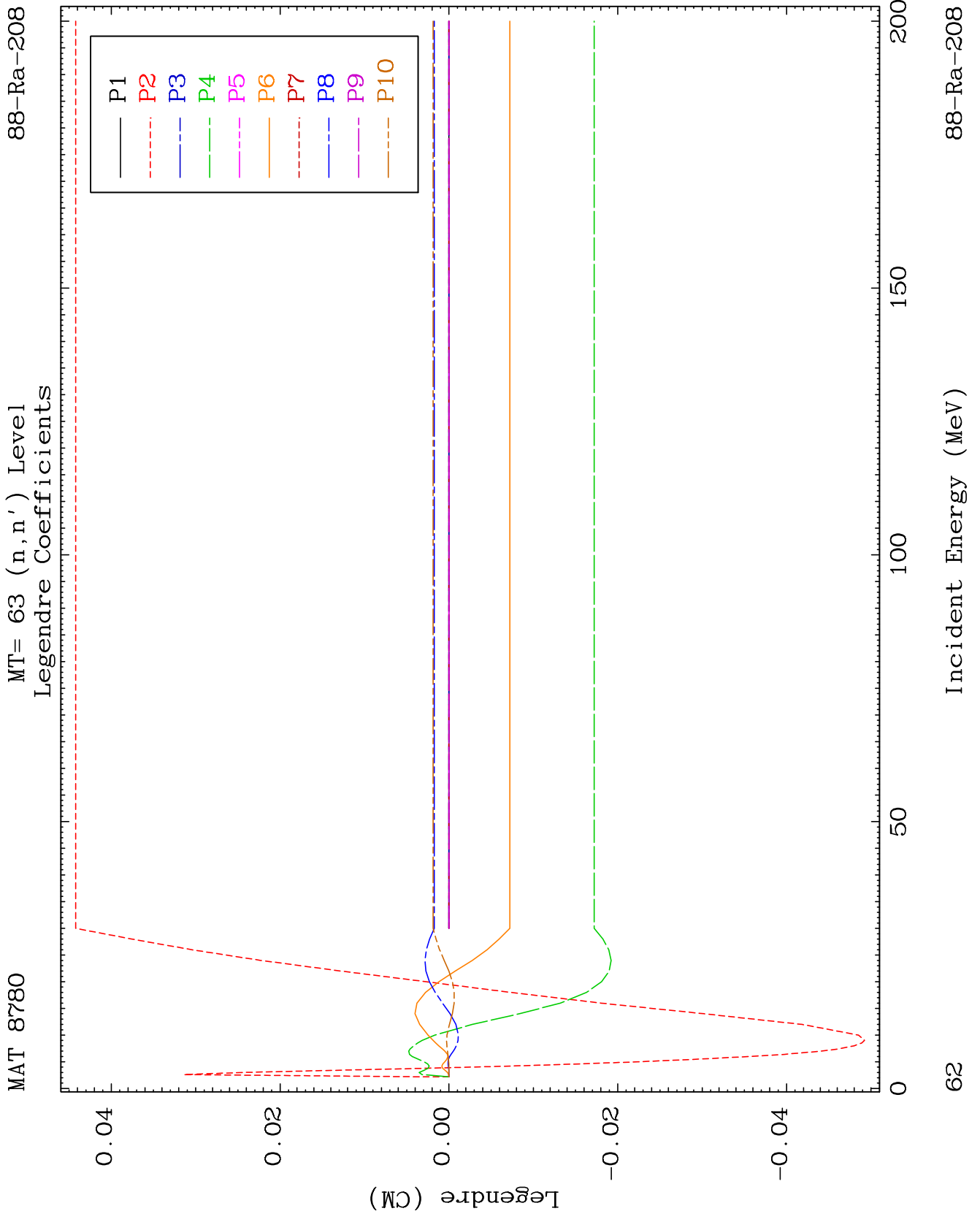
88-Ra-208

Incident Energy (MeV)

59



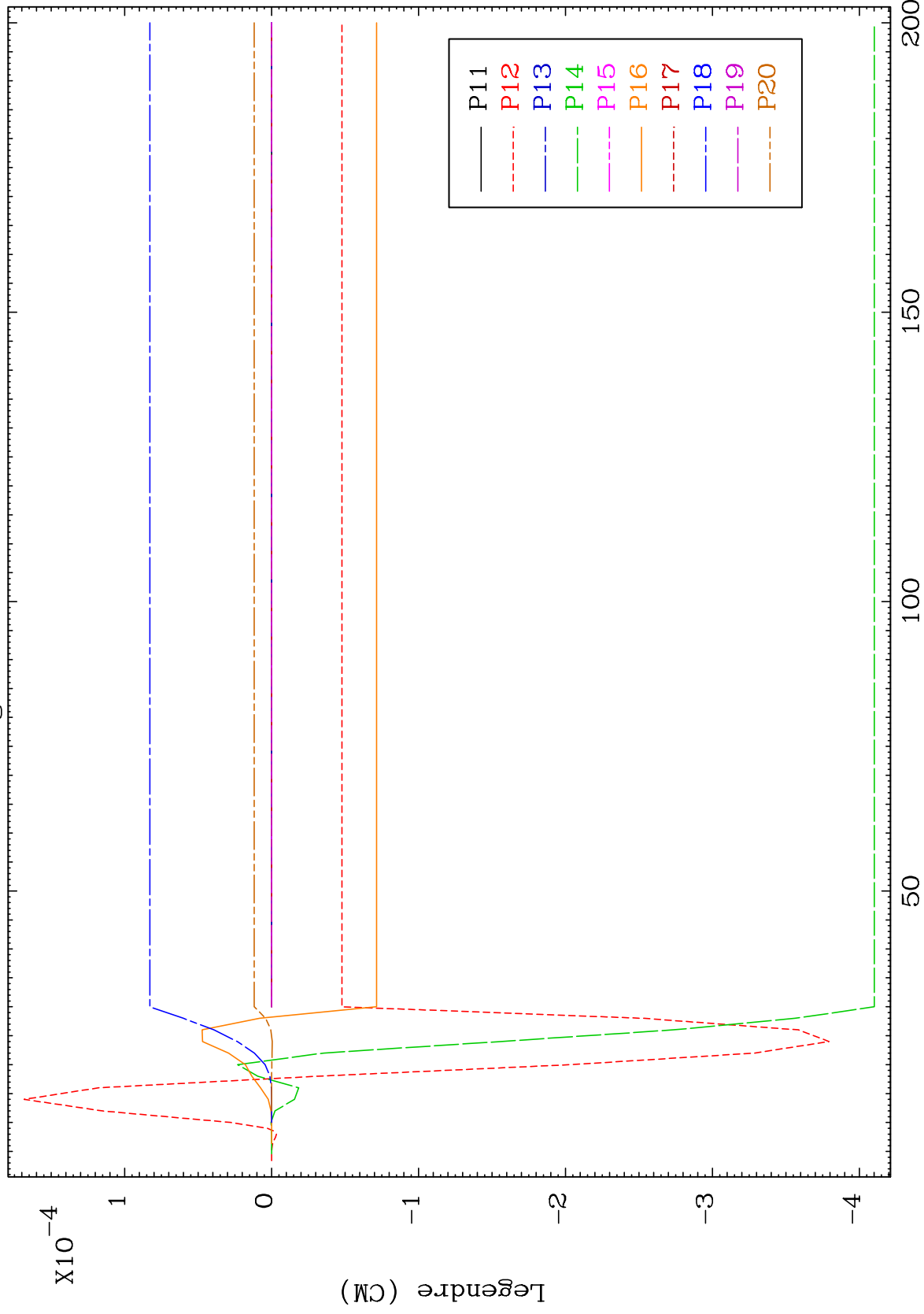




MAT 8780

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

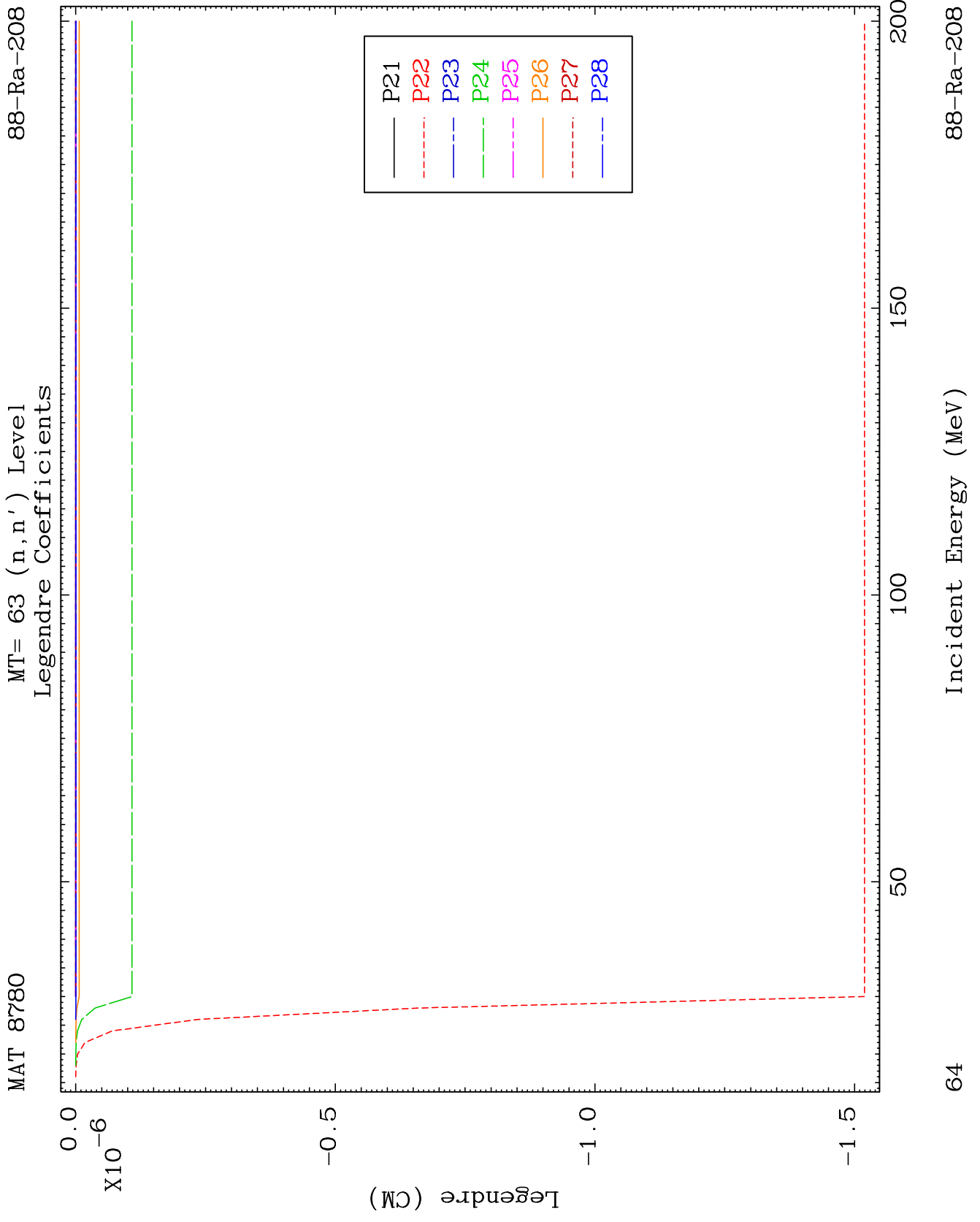
88-Ra-208



63

88-Ra-208

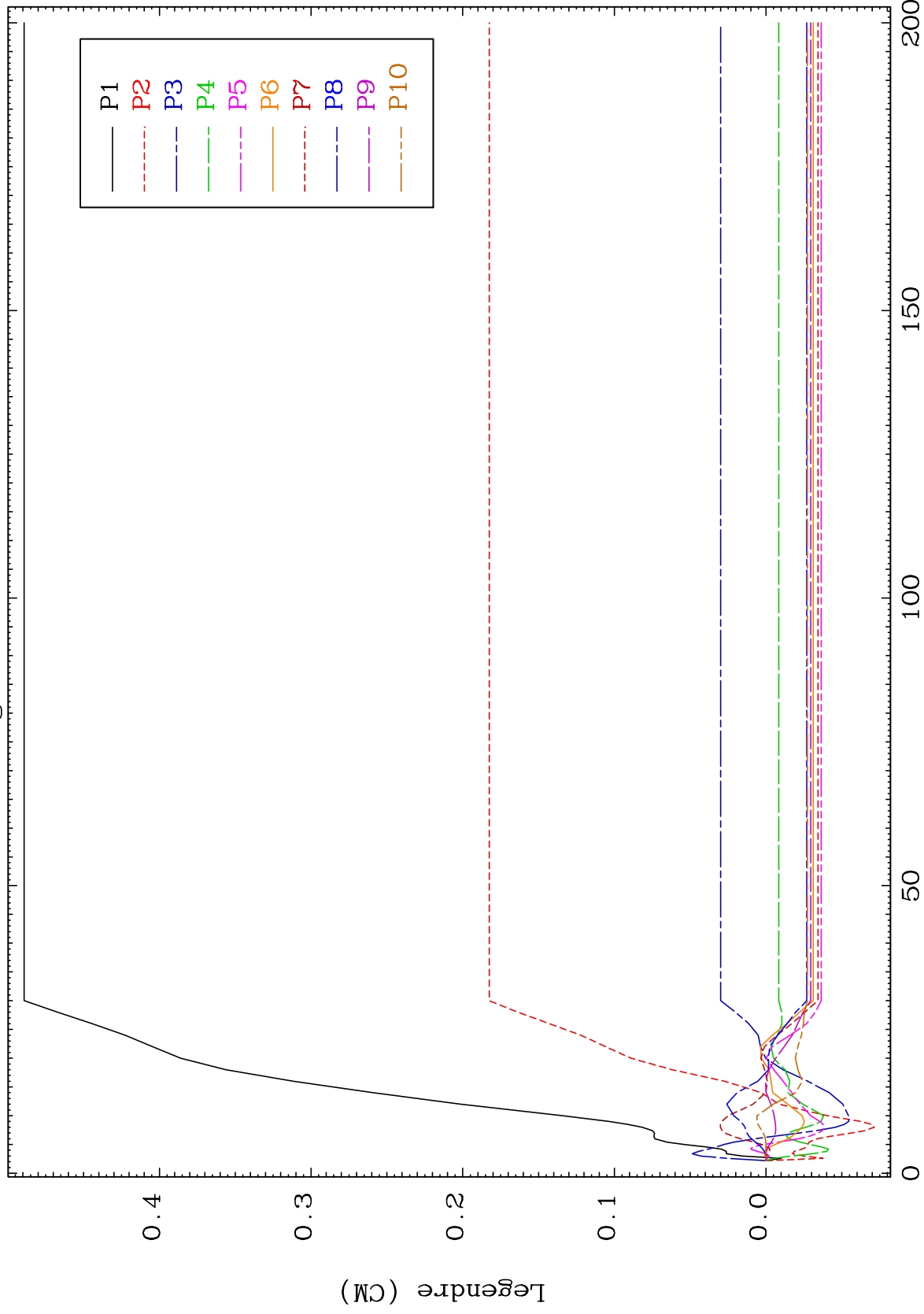




MAT 8780

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

88-Ra-208



65

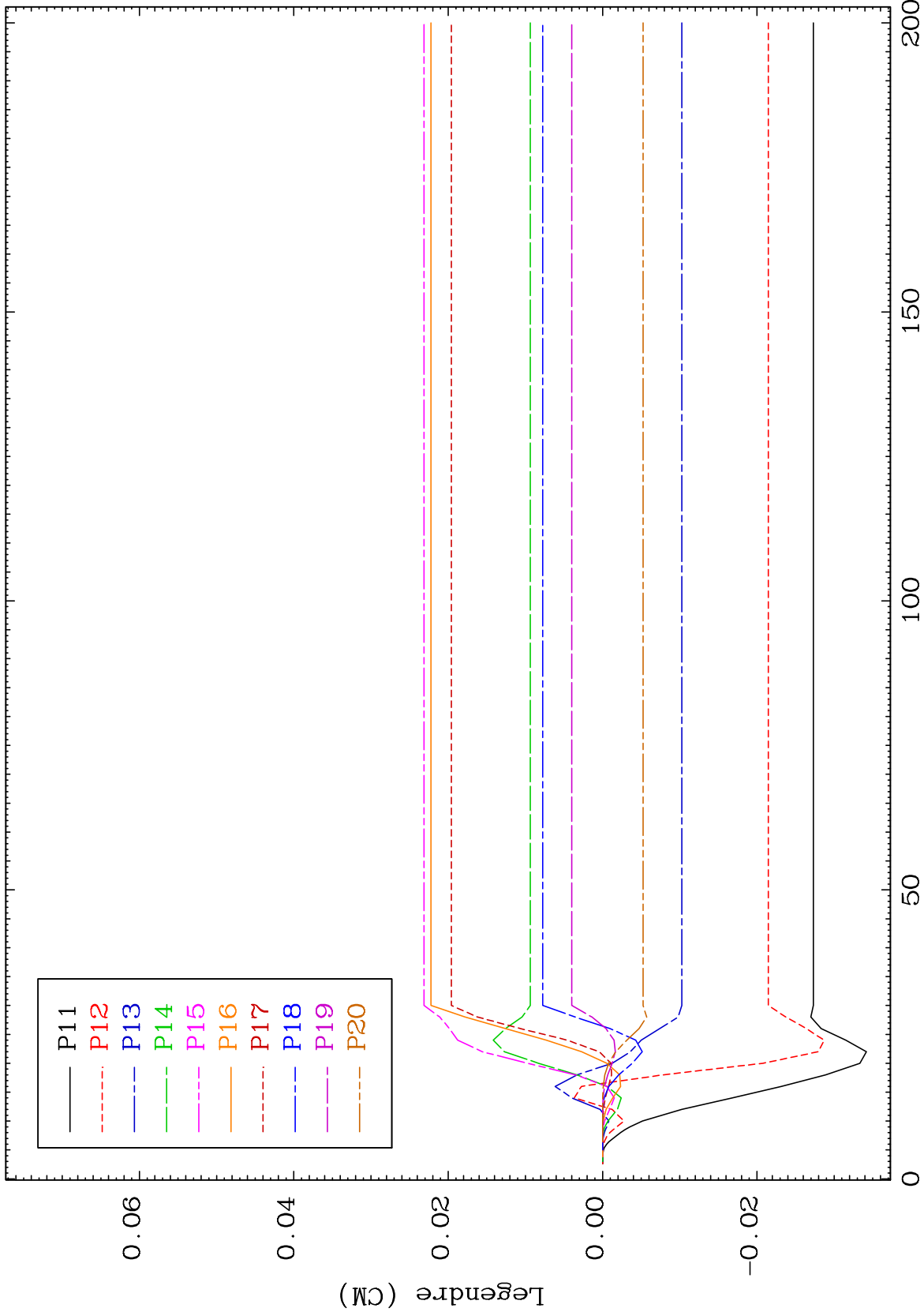
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



66

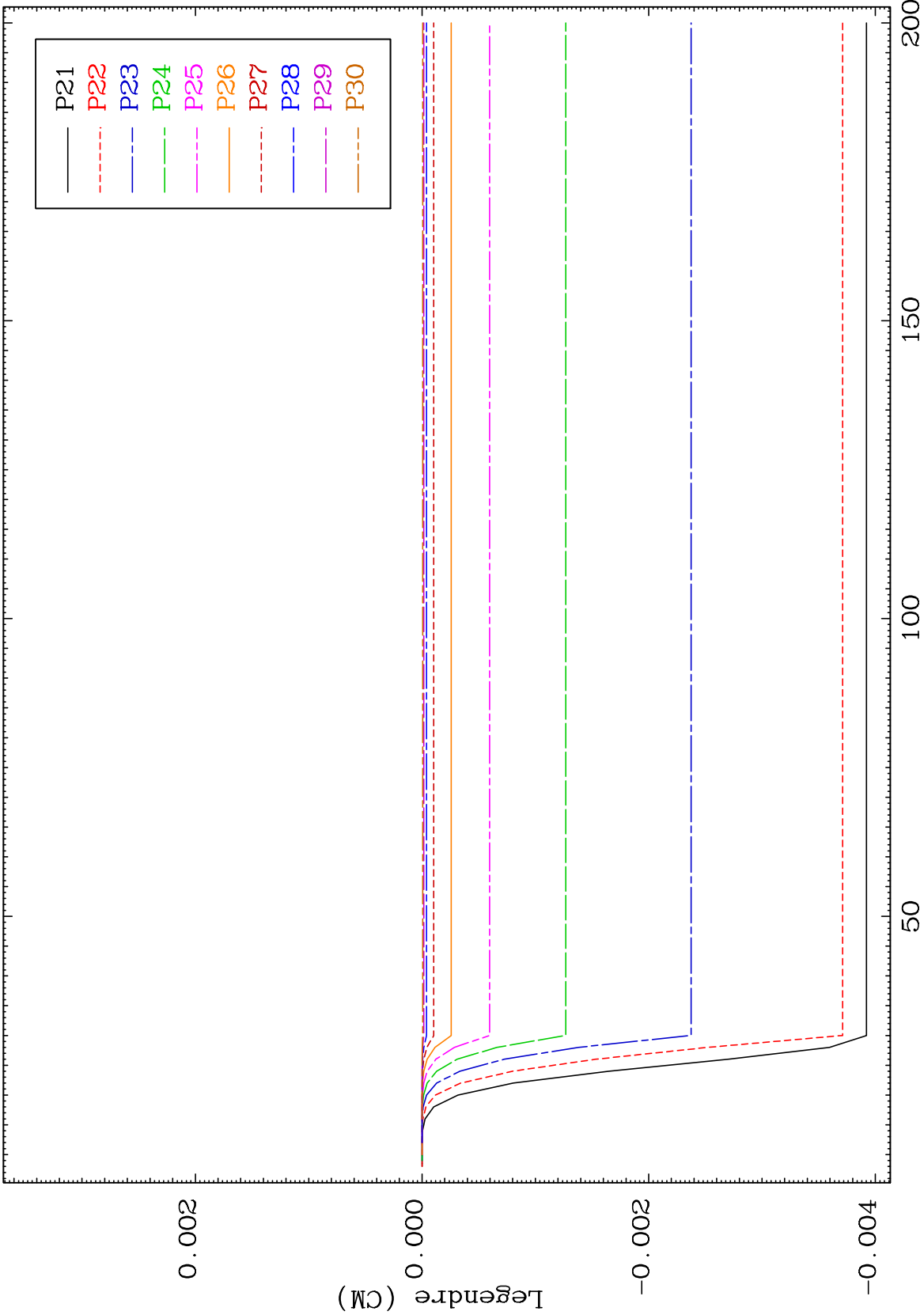
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

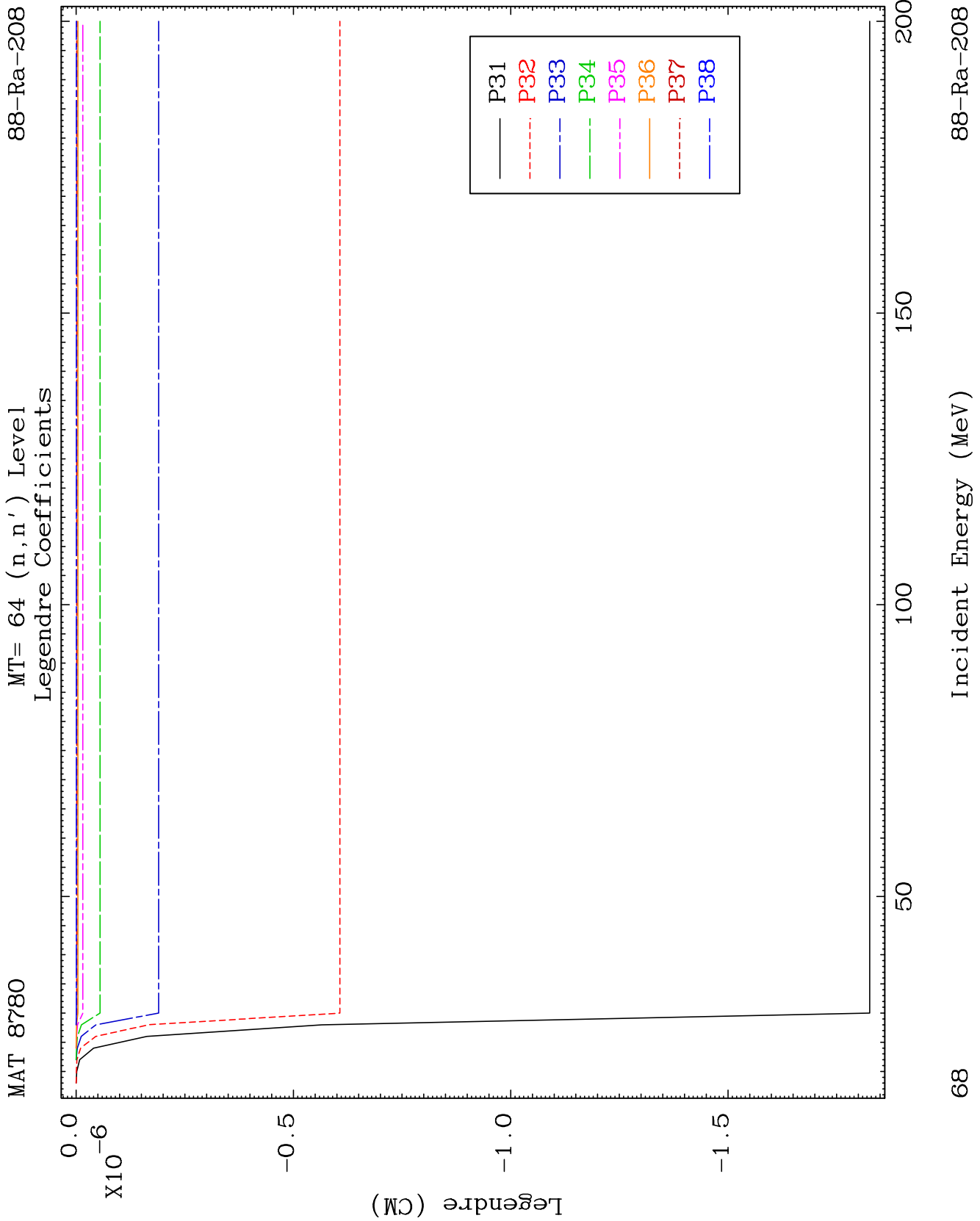
88-Ra-208



67

Incident Energy (MeV)

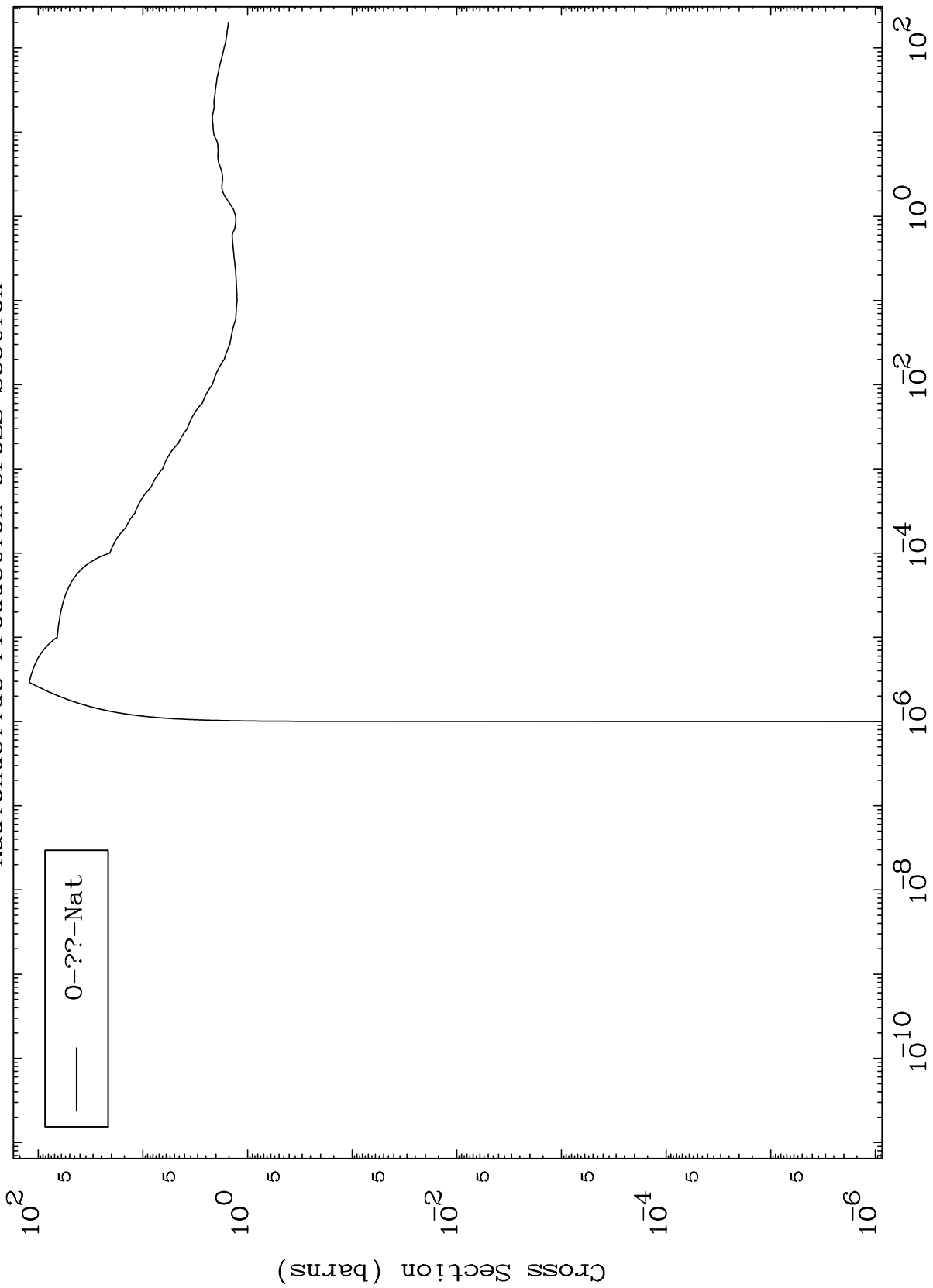
88-Ra-208



MAT 8780

88-Ra-208

Fission  
Radionuclide Production Cross Section



69

88-Ra-208

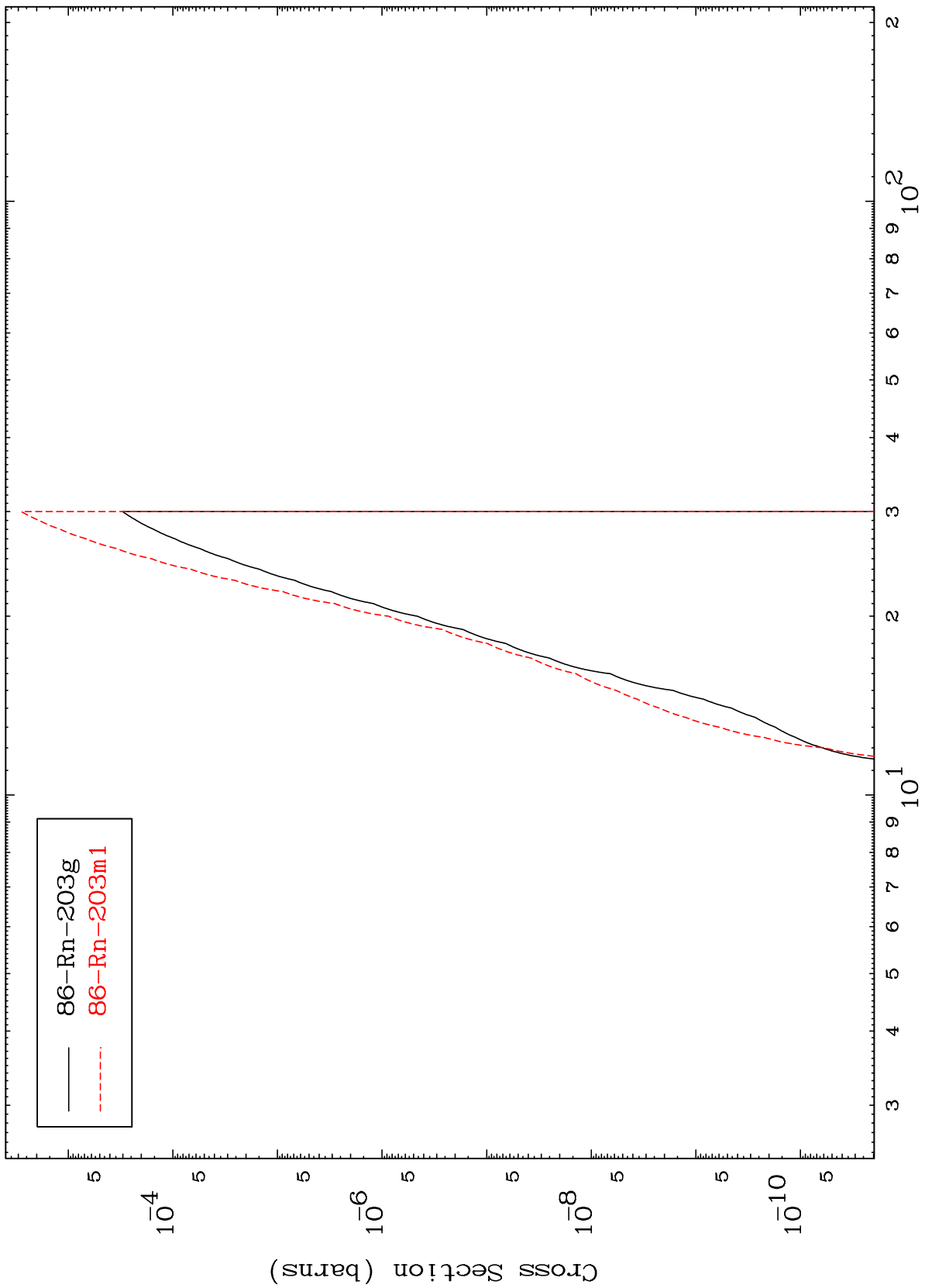
Incident Energy (MeV)

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$(n,2n)$   $\alpha$

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Radionuclide Production Cross Section



70

Incident Energy (MeV)

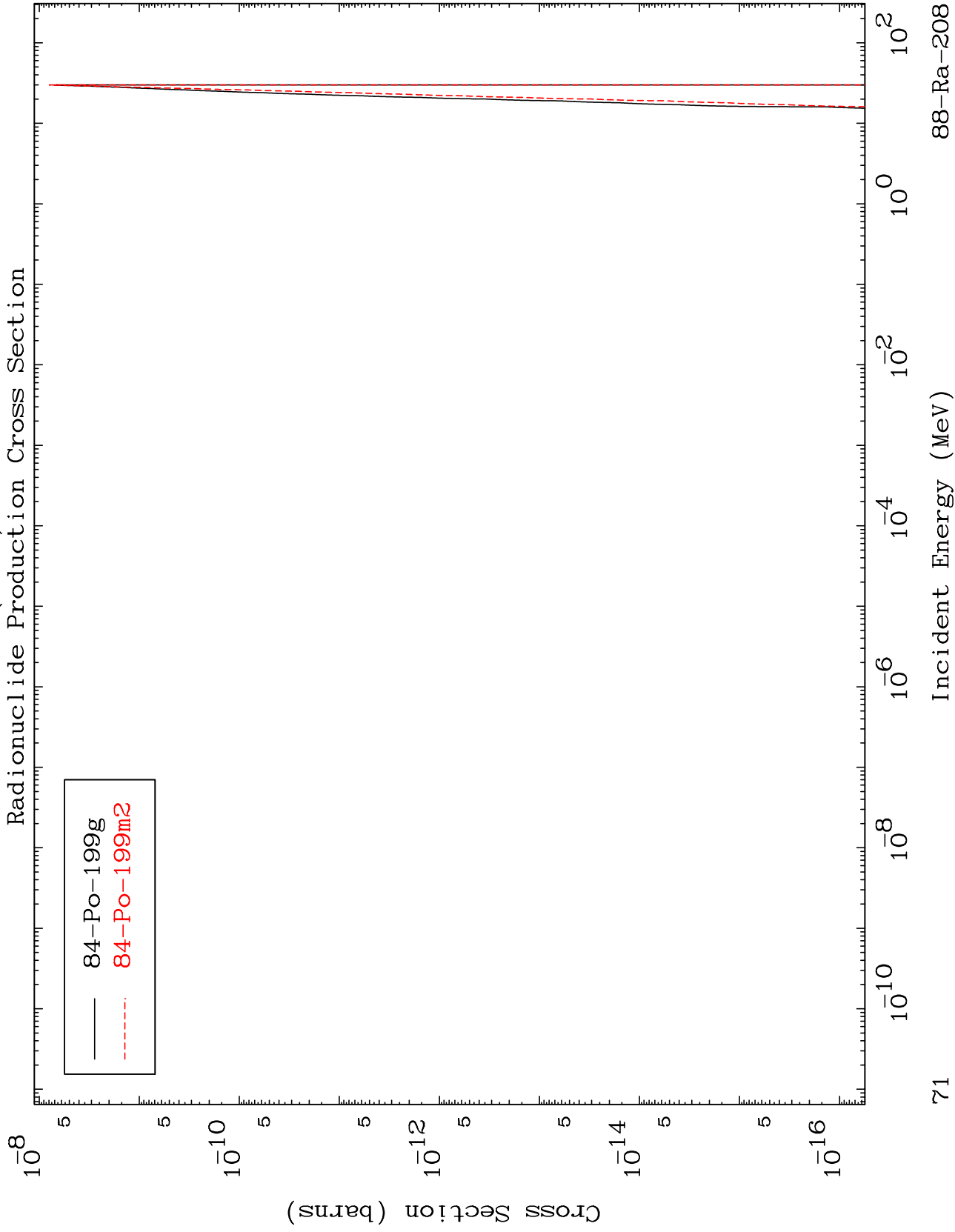
88-Ra-208

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(n,2n) 2 $\alpha$

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Radionuclide Production Cross Section



71

Incident Energy (MeV)

88-Ra-208

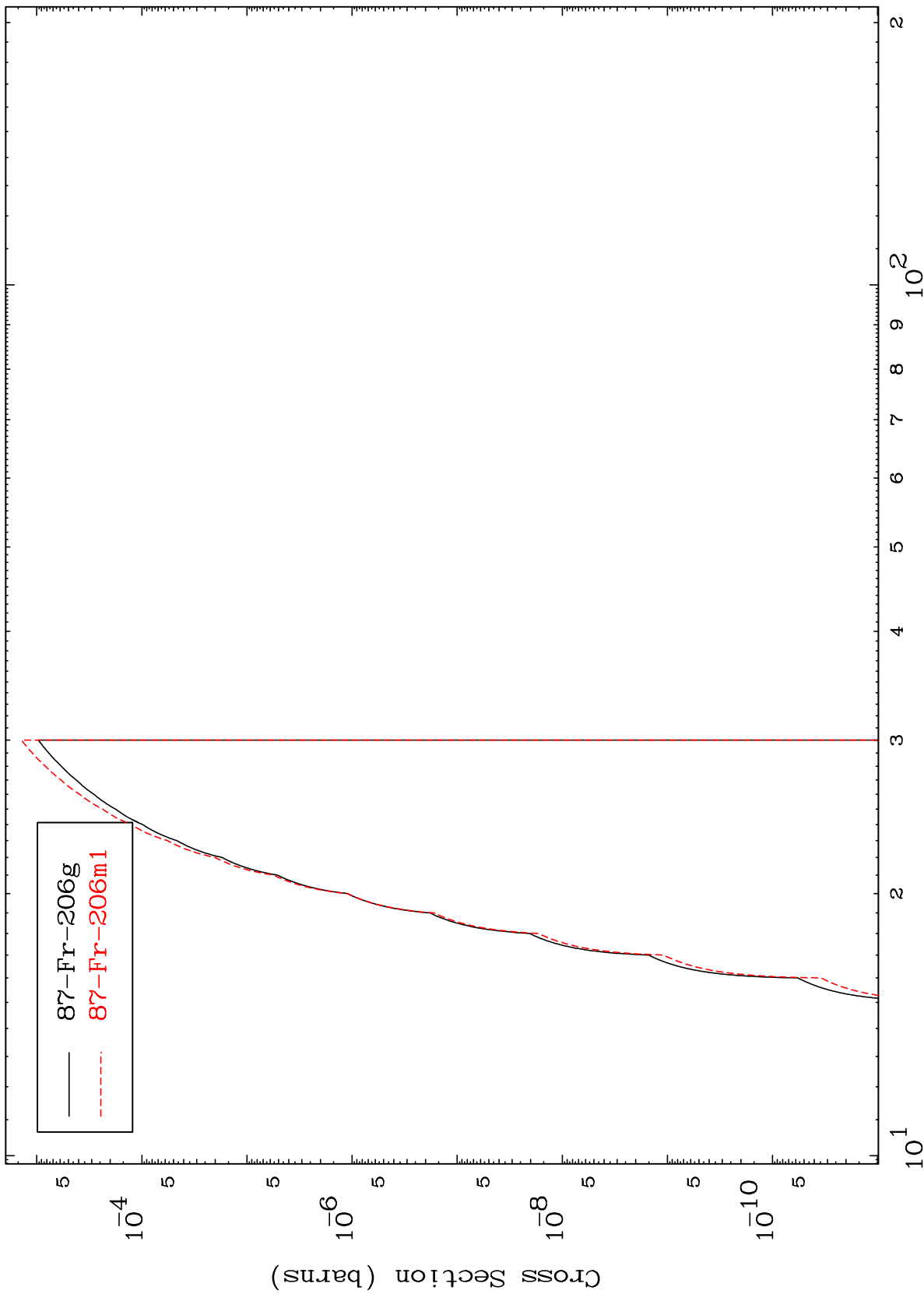


MAT 8780

(n,n') d

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Radionuclide Production Cross Section



Incident Energy (MeV)

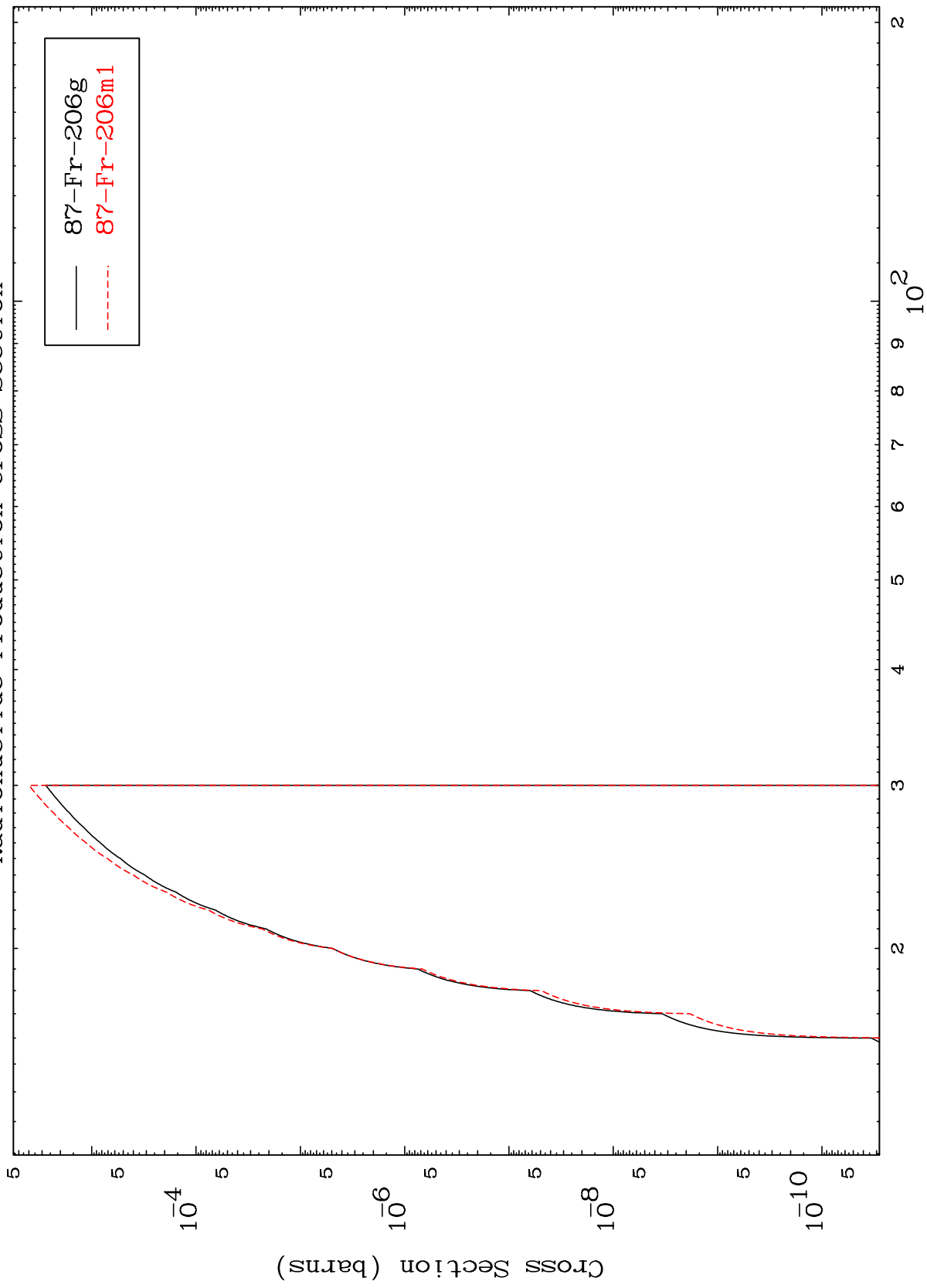
88-Ra-208

72

MAT 8780

88-Ra-208

(n,2n) p  
Radionuclide Production Cross Section



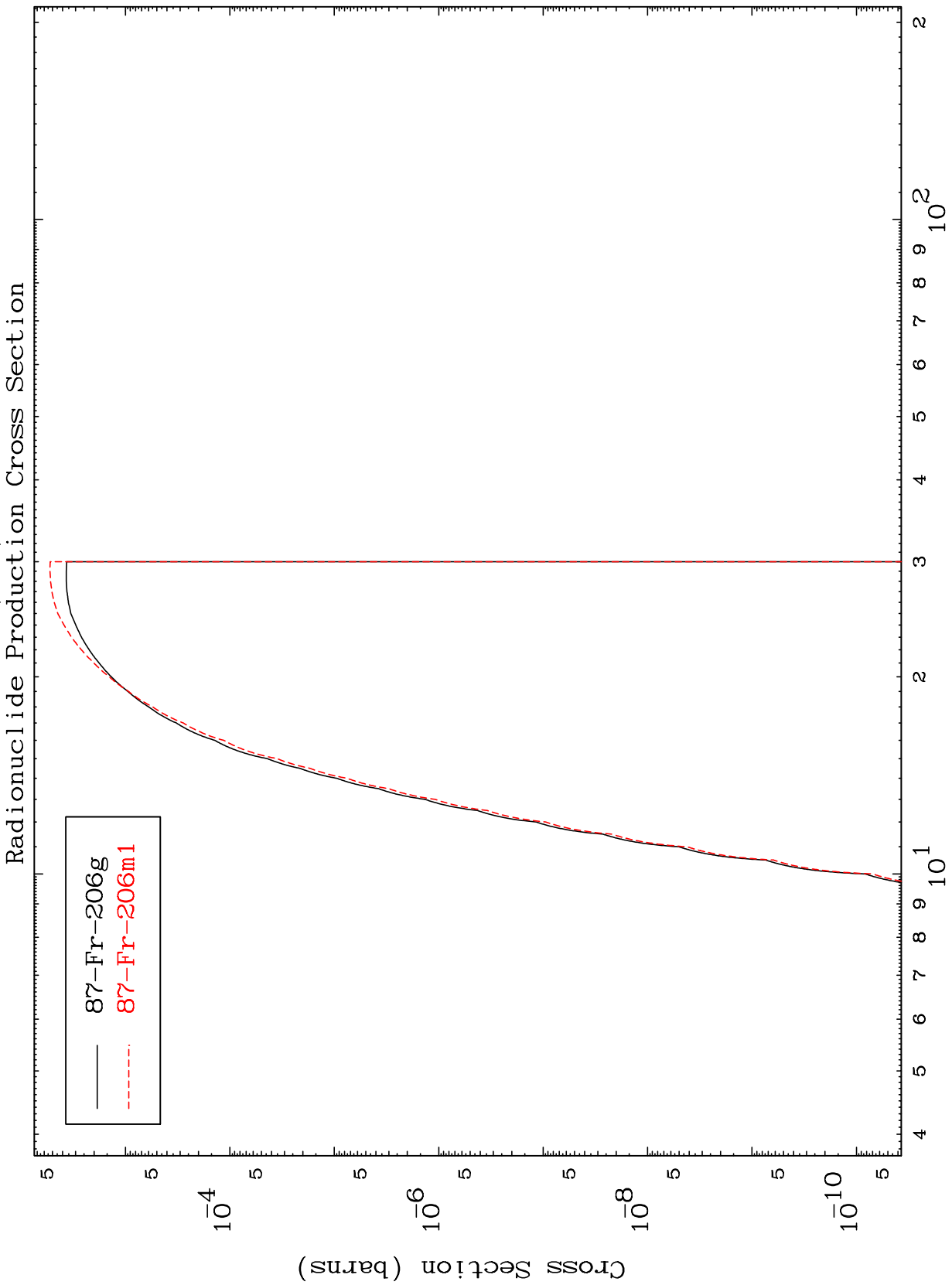
73

Incident Energy (MeV)

88-Ra-208

MAT 8780

88-Ra-208



88-Ra-208

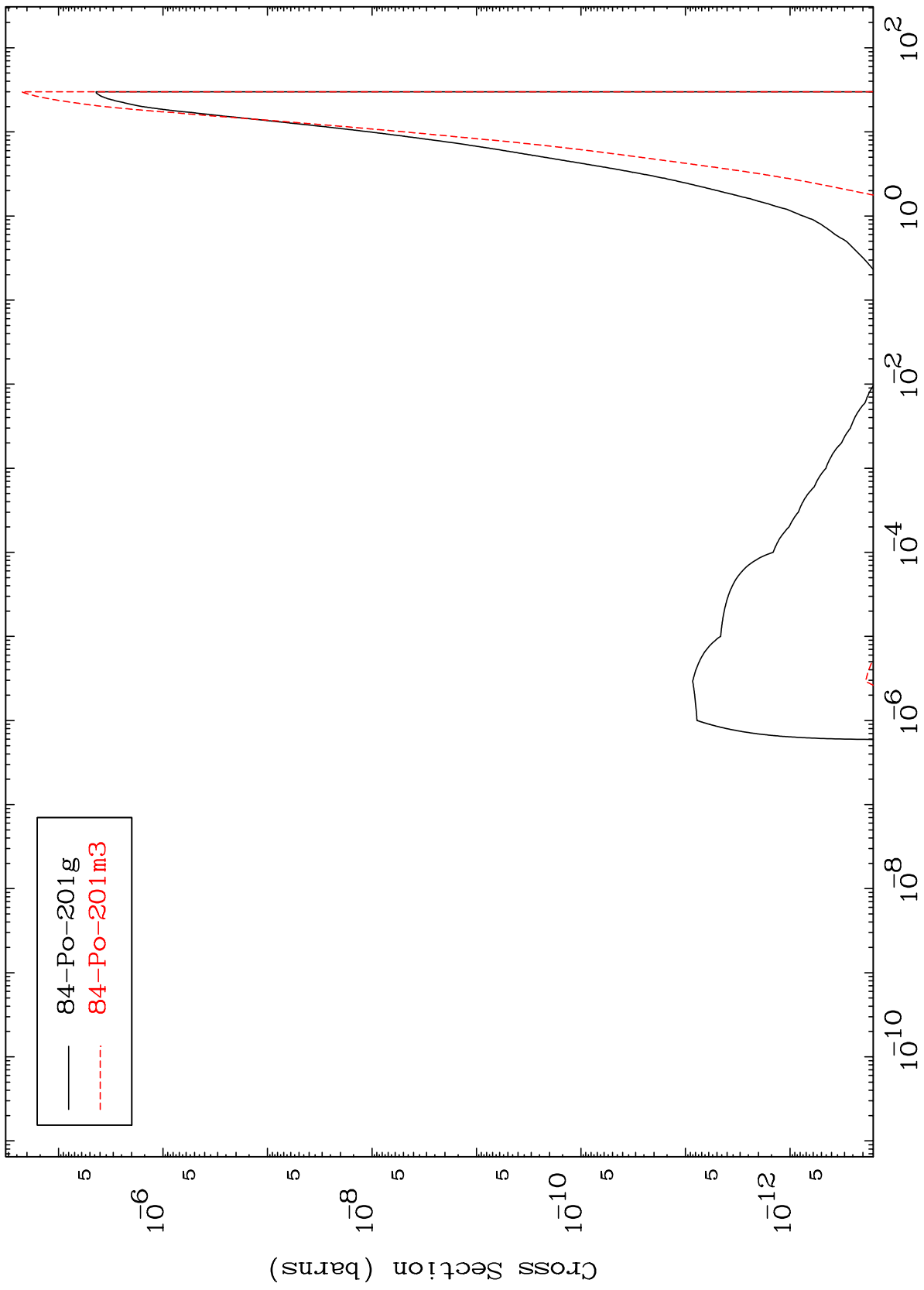
Incident Energy (MeV)

74

MAT 8780

88-Ra-208

Radionuclide Production Cross Section  
(n,2α)



75

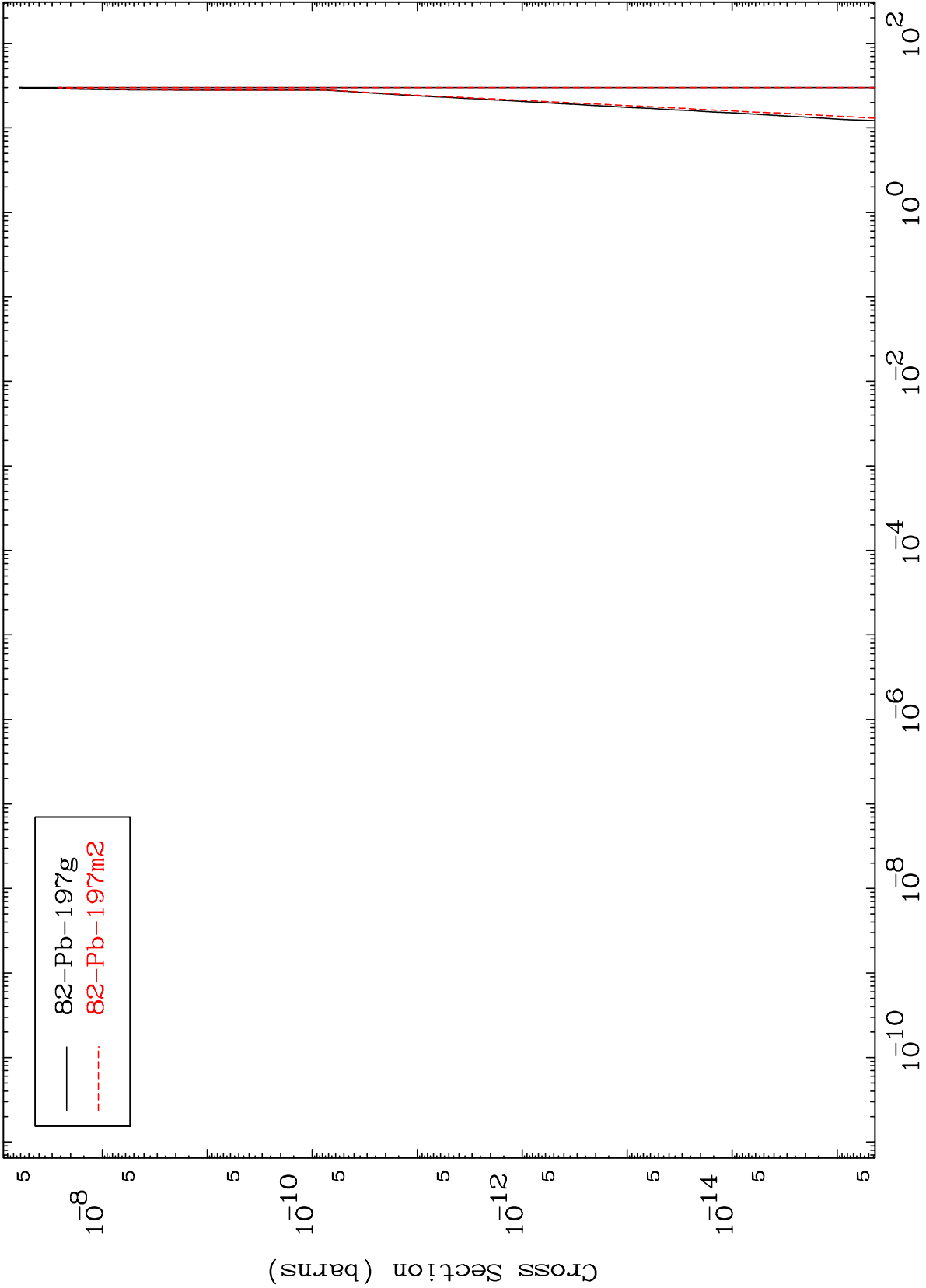
88-Ra-208

MAT 8780

(n, 3α)

88-Ra-208

Radionuclide Production Cross Section



76

Incident Energy (MeV)

88-Ra-208

MAT 8780

(n,p)  $\alpha$

88-Ra-208

Radionuclide Production Cross Section

