

Program EVALPLOT  
(Version 2015-2)

by

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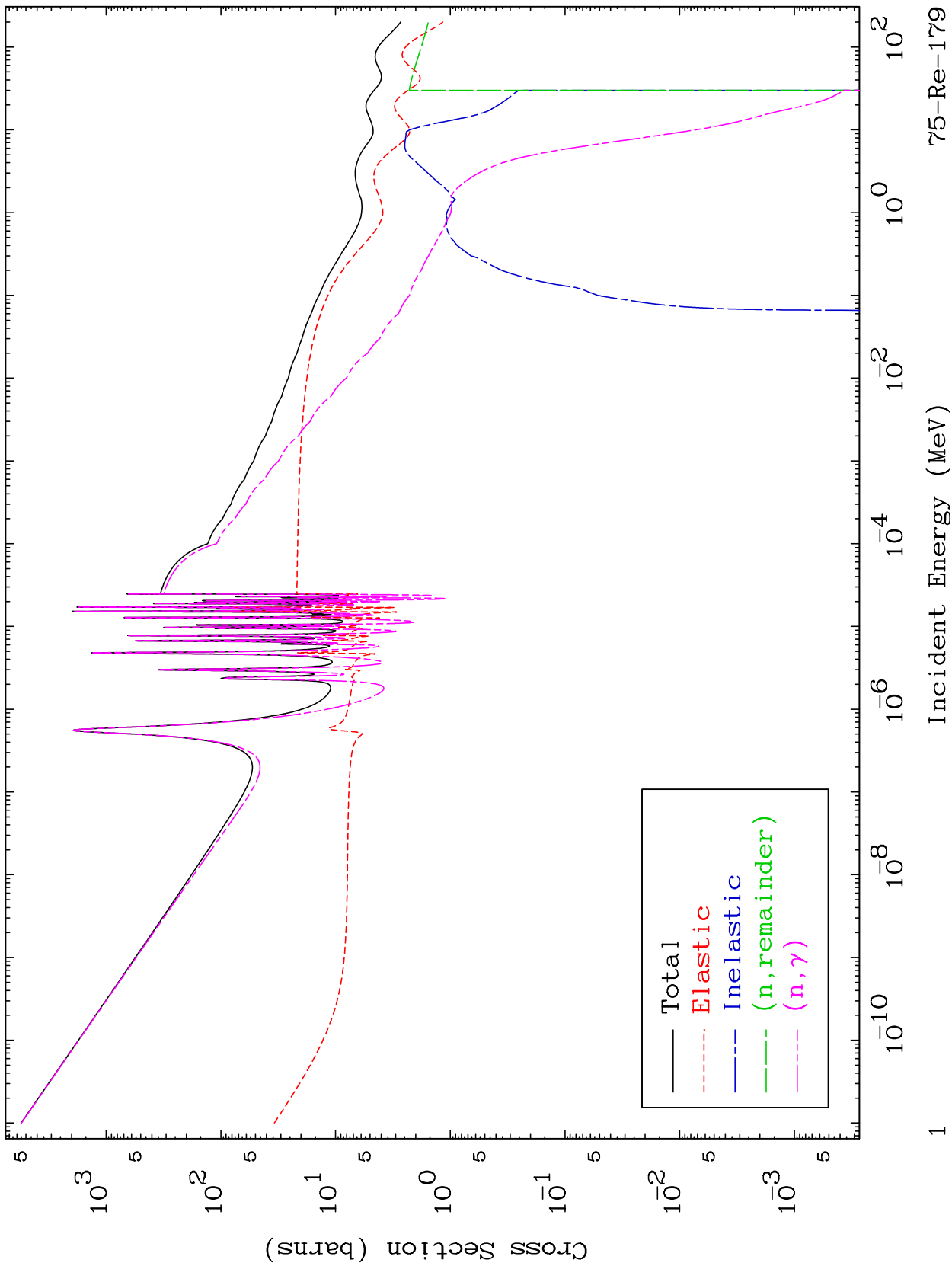
Press Mouse Button to Start

MAT 7507

Major

293 Kelvin Cross Sections

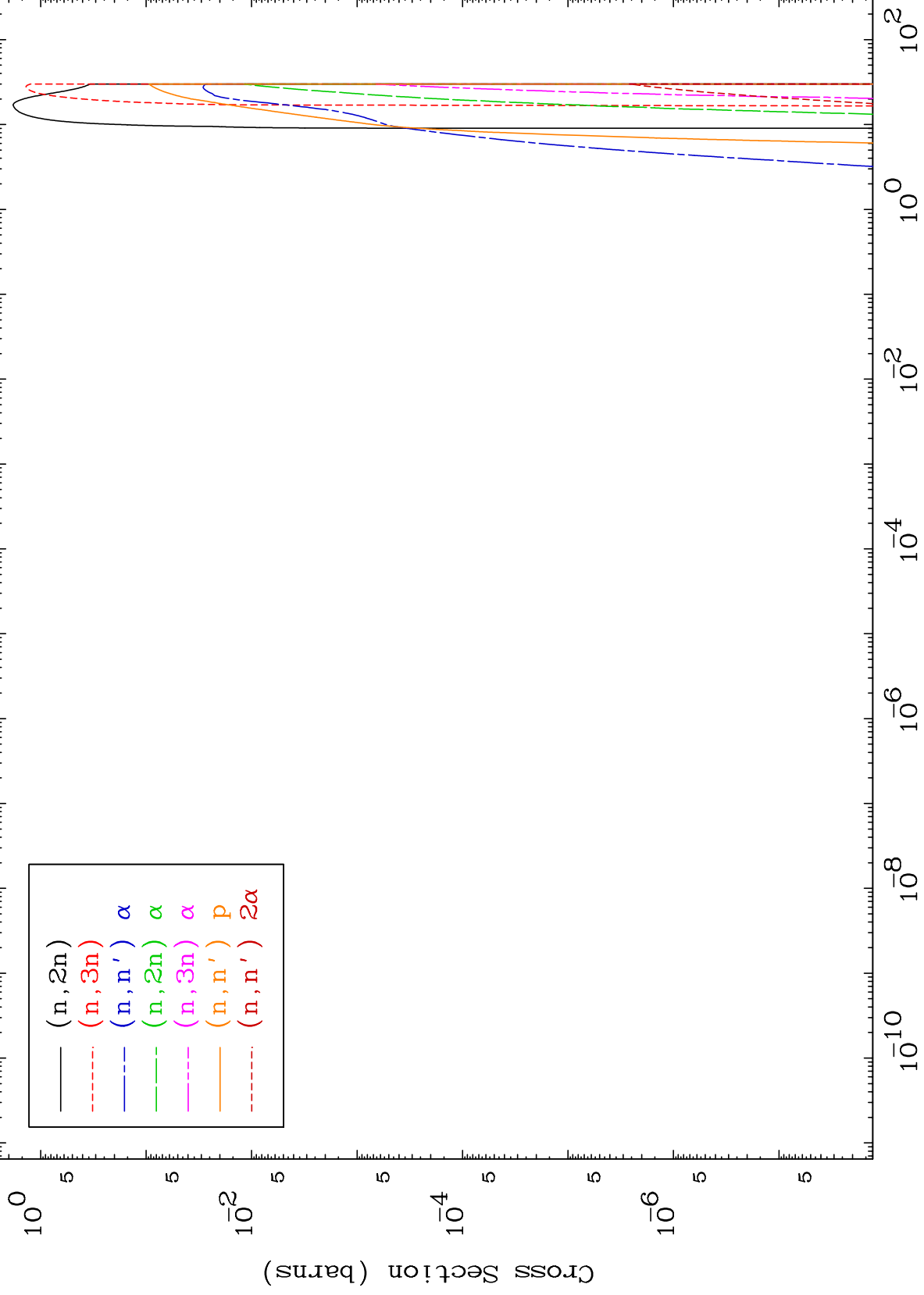
75-Re-179



MAT 7507

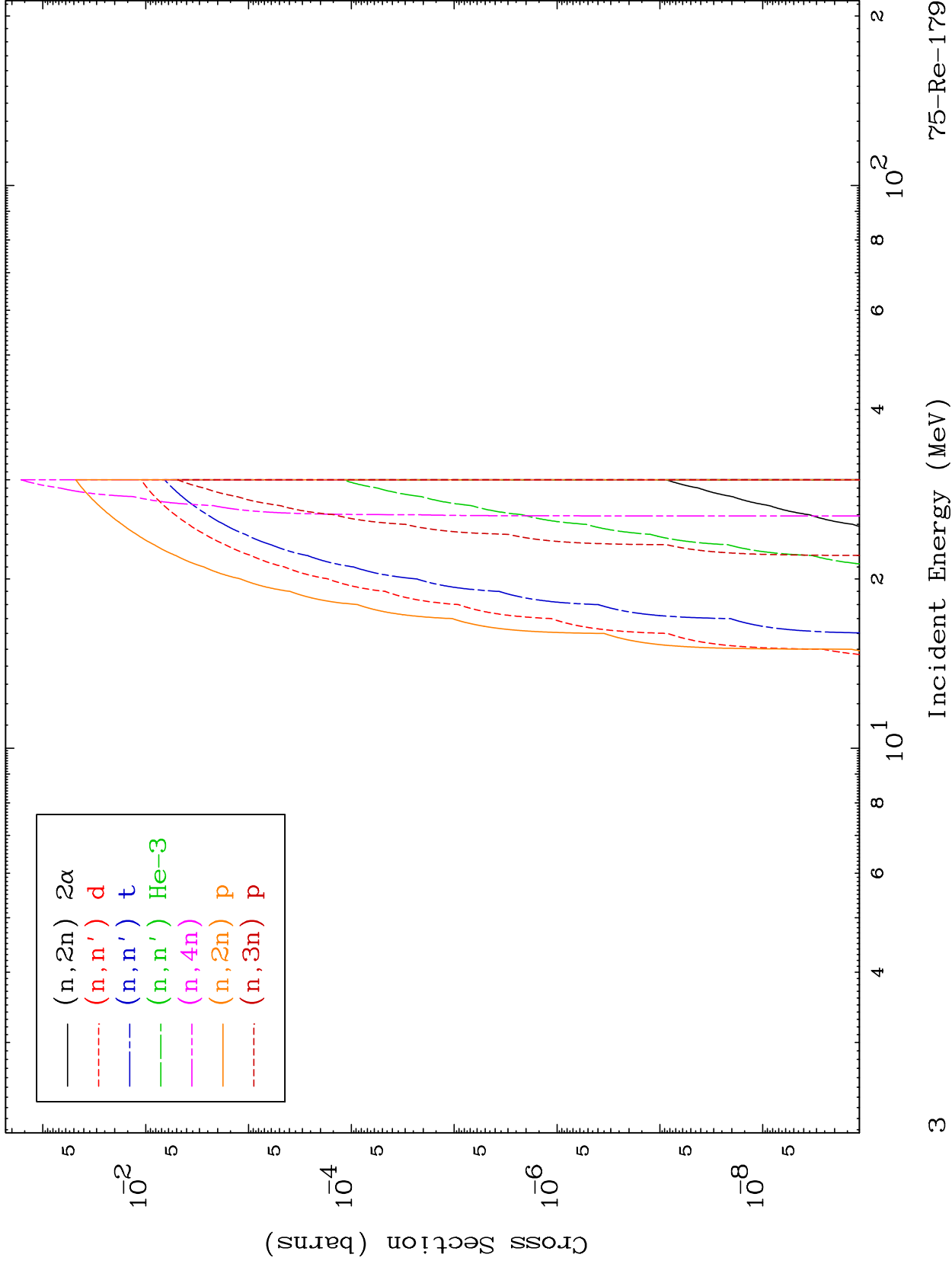
Neutron Production  
293 Kelvin Cross Sections

75-Re-179



75-Re-179

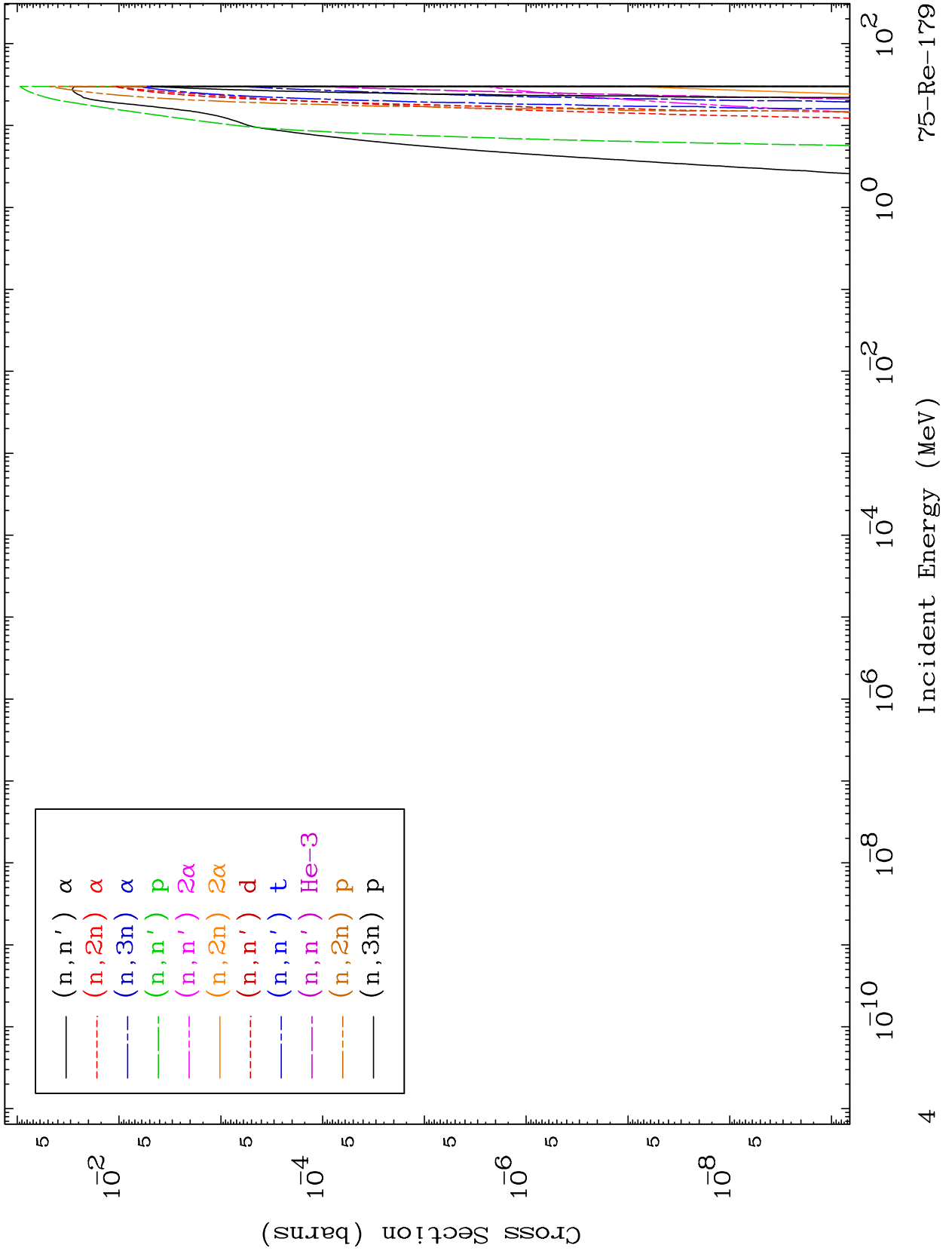
Incident Energy (MeV)



MAT 7507

Charged Particle  
293 Kelvin Cross Sections

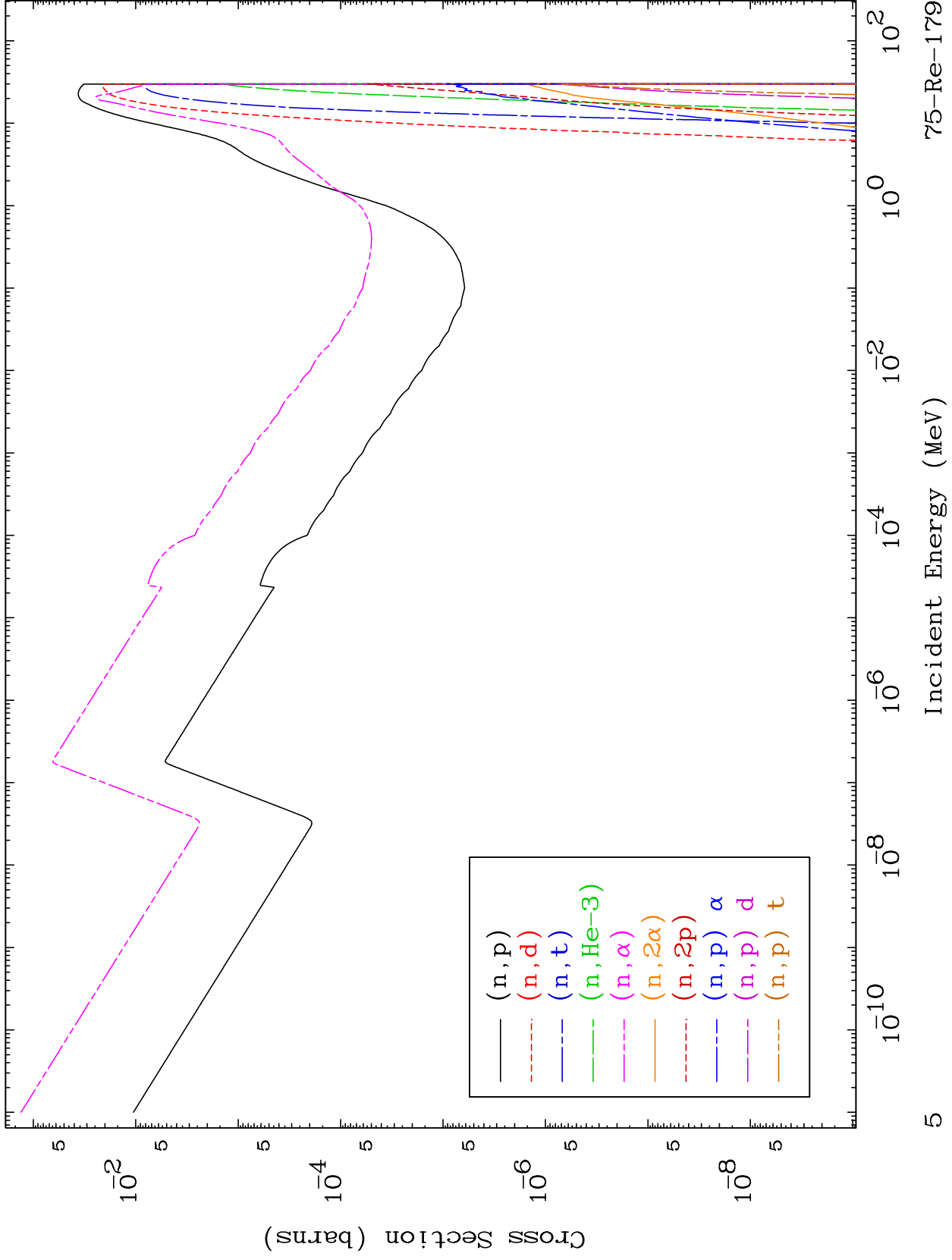
75-Re-179



MAT 7507

Charged Particle  
293 Kelvin Cross Sections

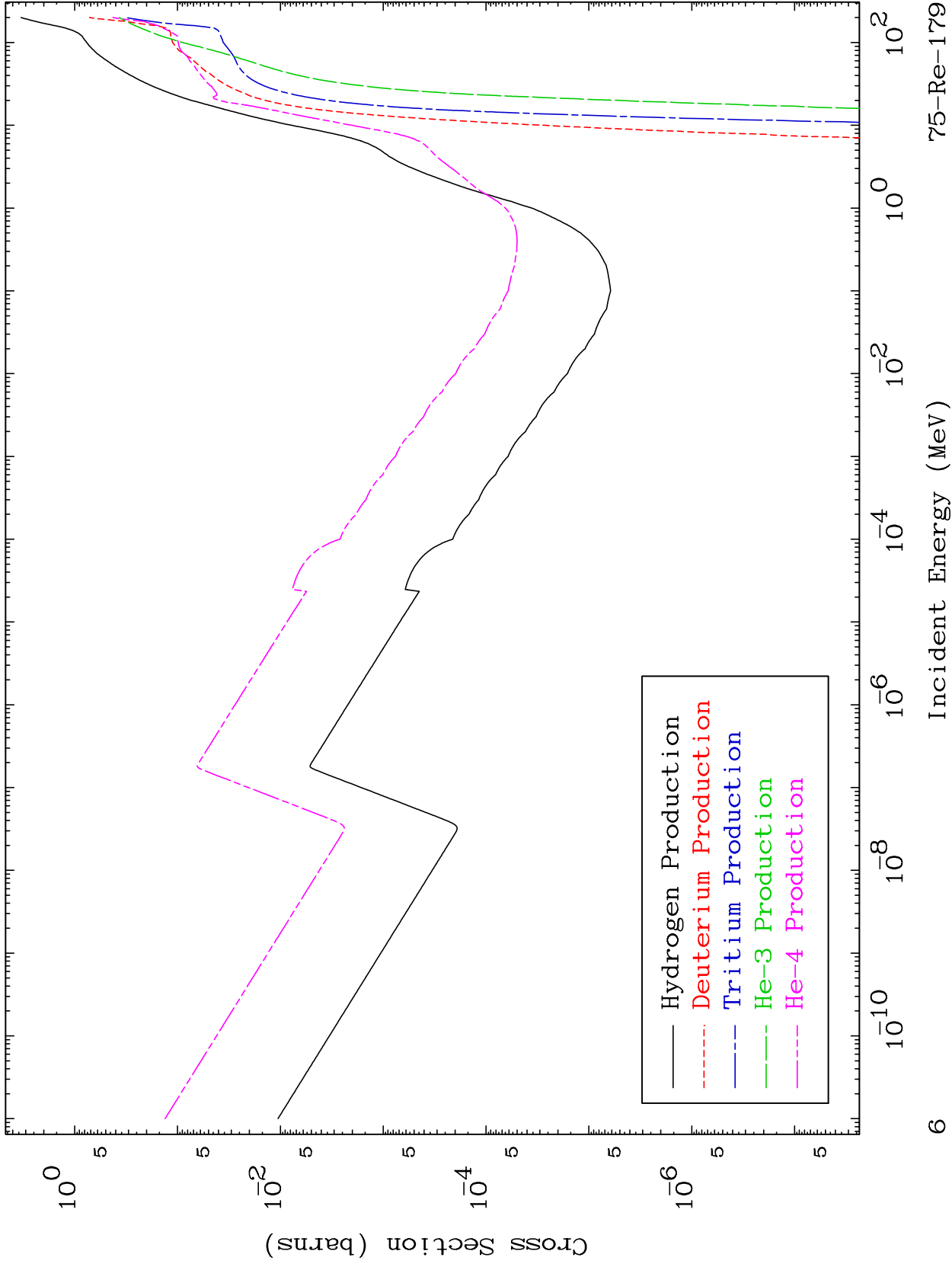
75-Re-179



MAT 7507

Particle Production  
293 Kelvin Cross Sections

75-Re-179

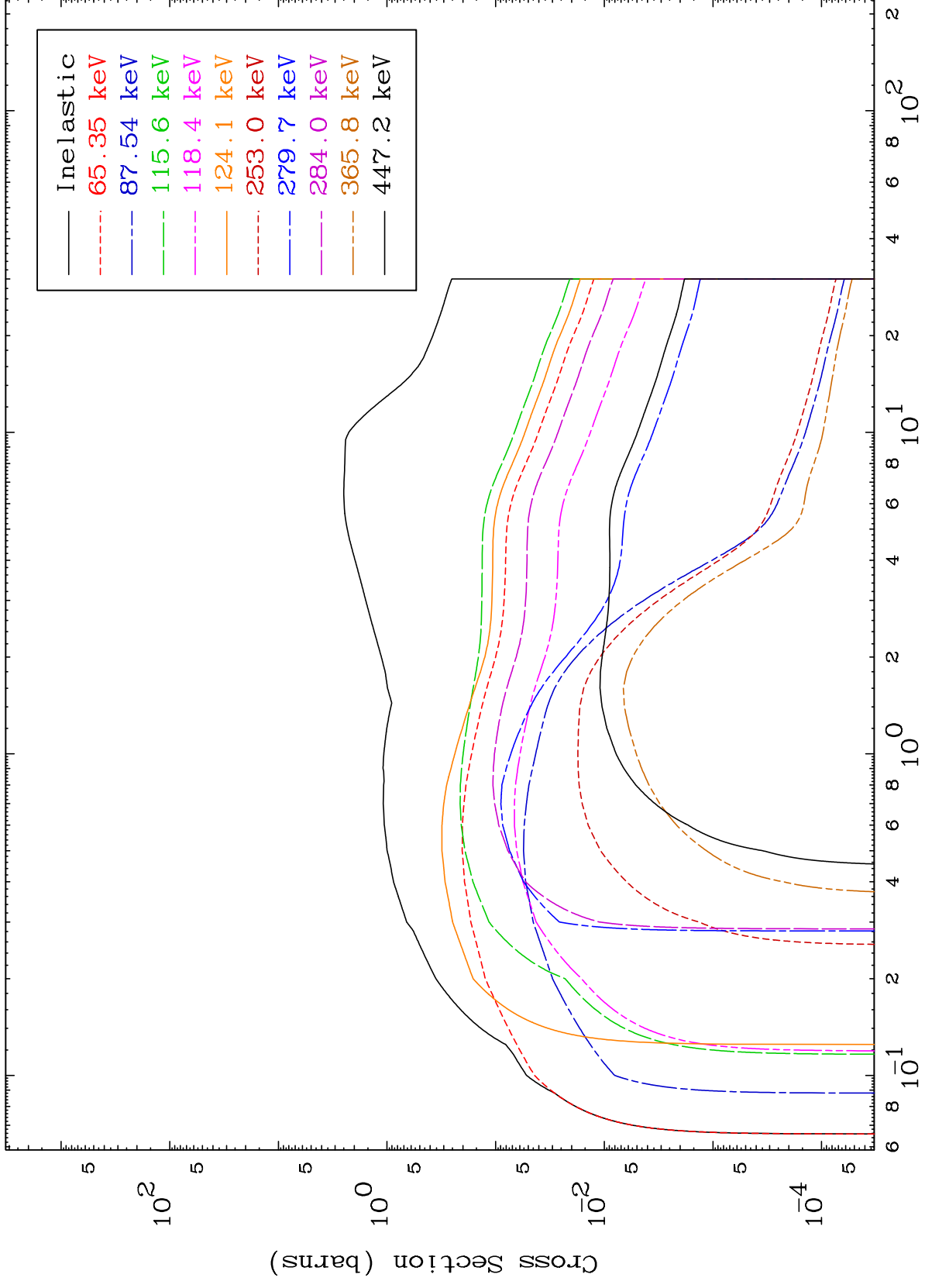


MAT 7507

(n,n') Level

75-Re-179

293 Kelvin Cross Sections

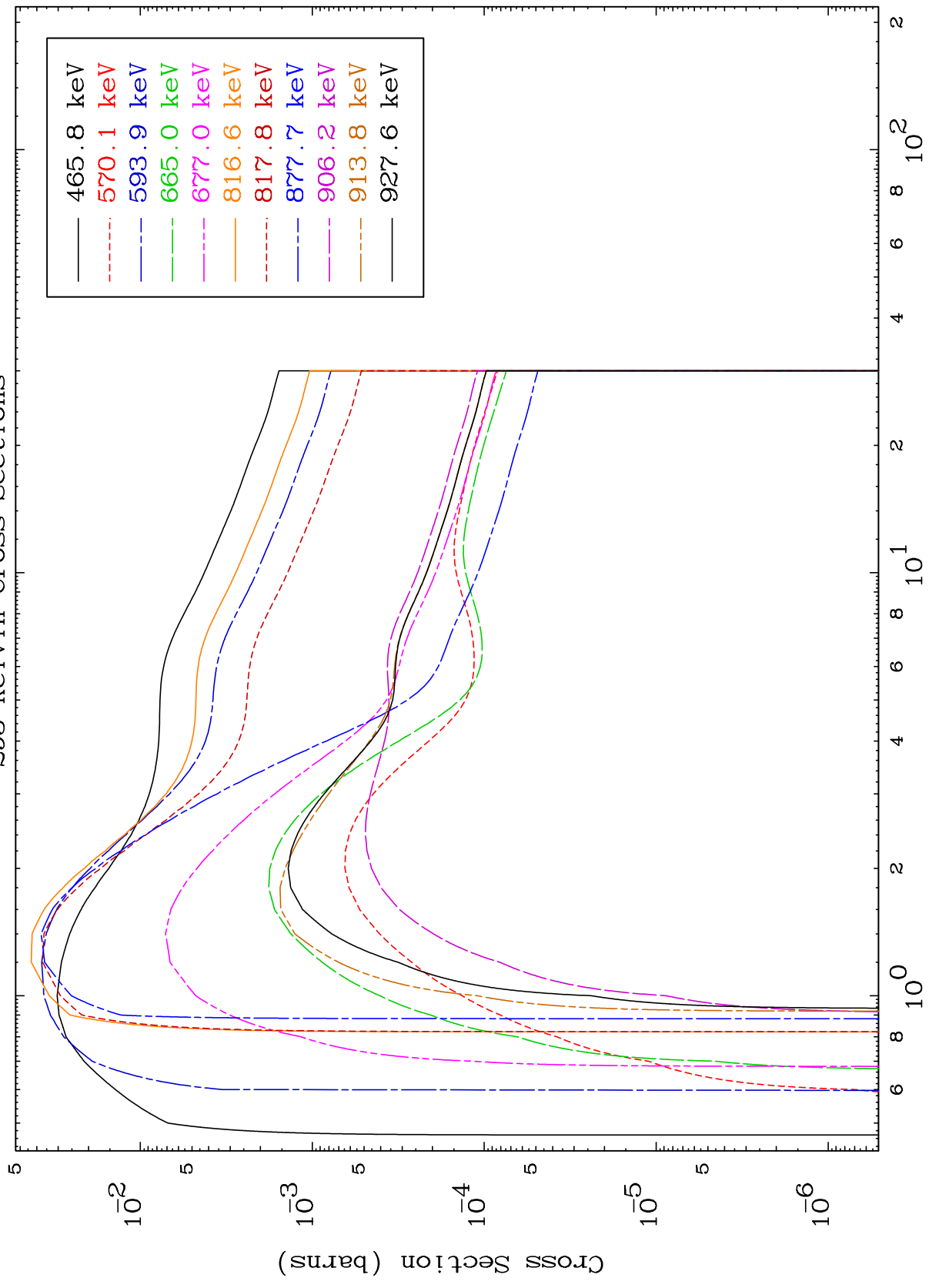




MAT 7507

(n,n') Level  
293 Kelvin Cross Sections

75-Re-179



8

Incident Energy (MeV)

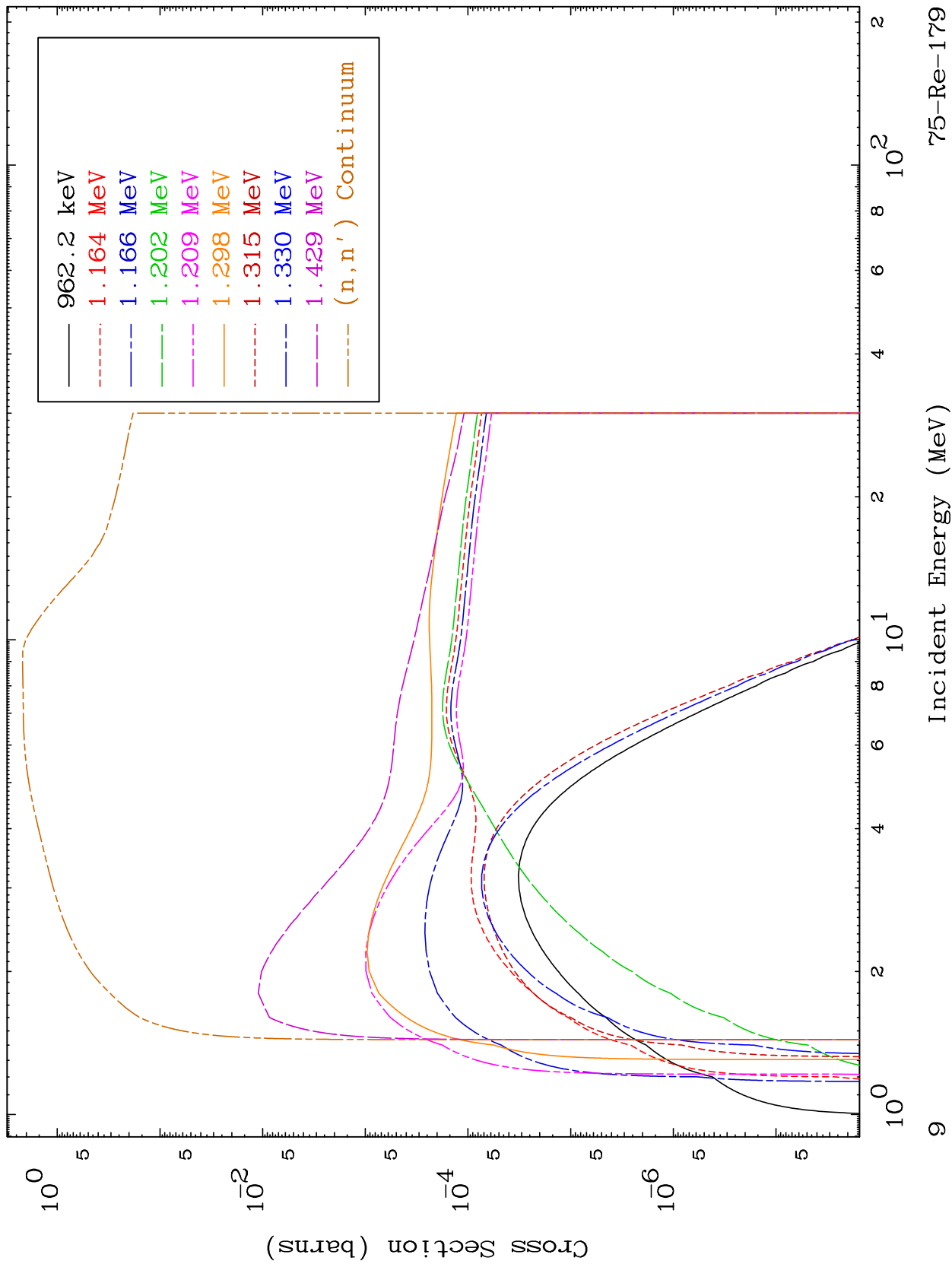
75-Re-179

MAT 7507

(n,n') Level

75-Re-179

293 Kelvin Cross Sections



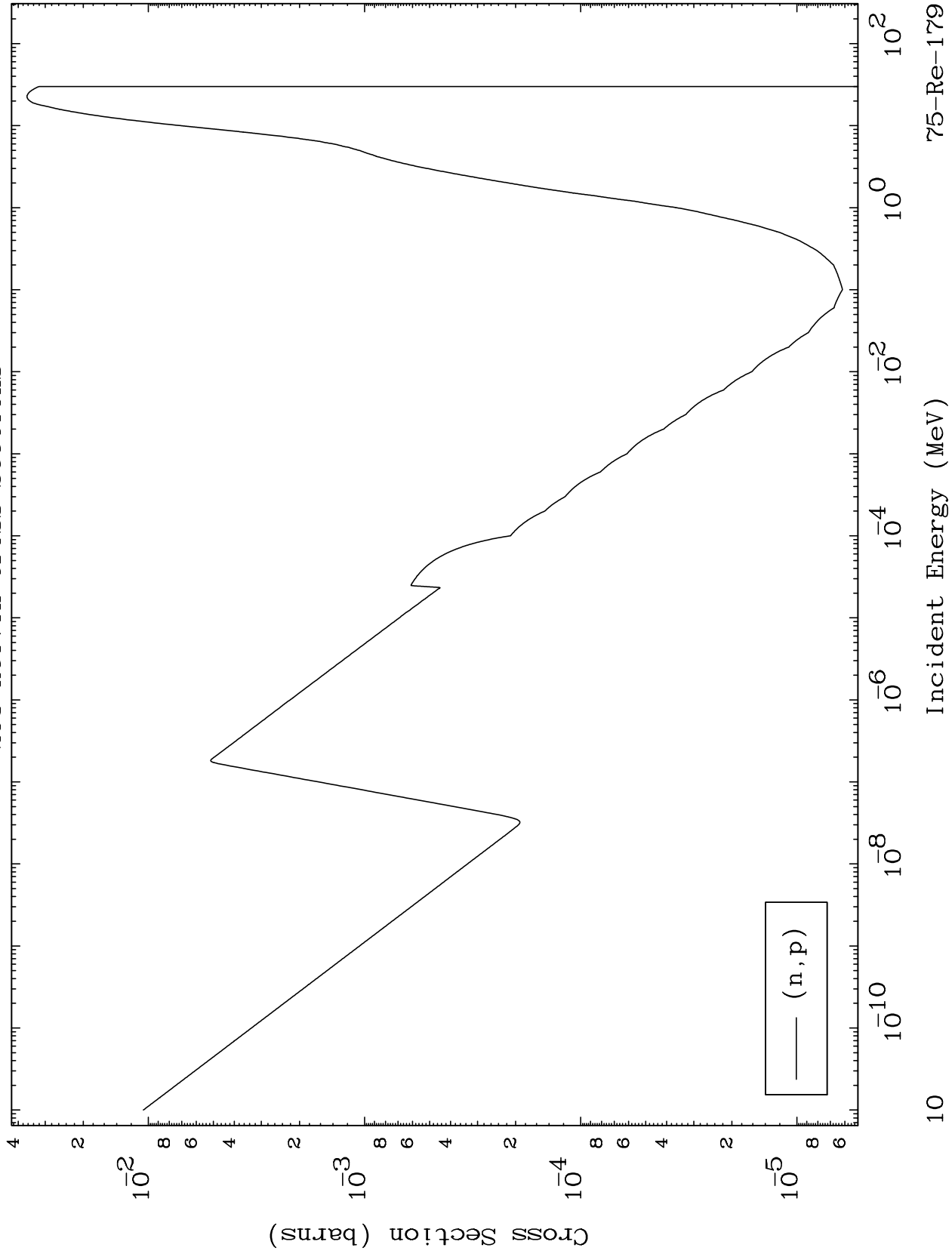
Incident Energy (MeV)

75-Re-179

MAT 7507

(n,p) Levels  
293 Kelvin Cross Sections

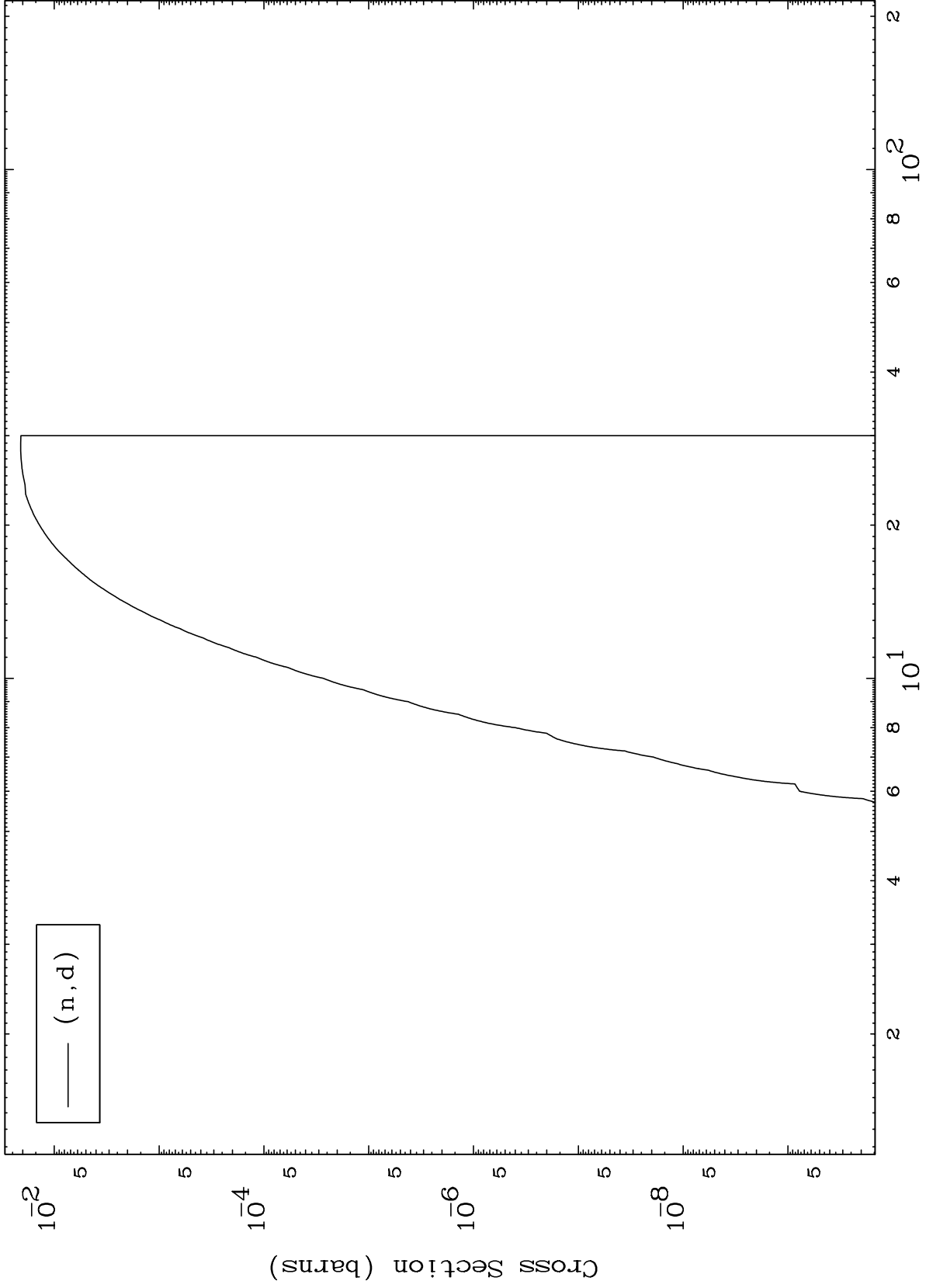
75-Re-179



MAT 7507

(n,d) Levels  
293 Kelvin Cross Sections

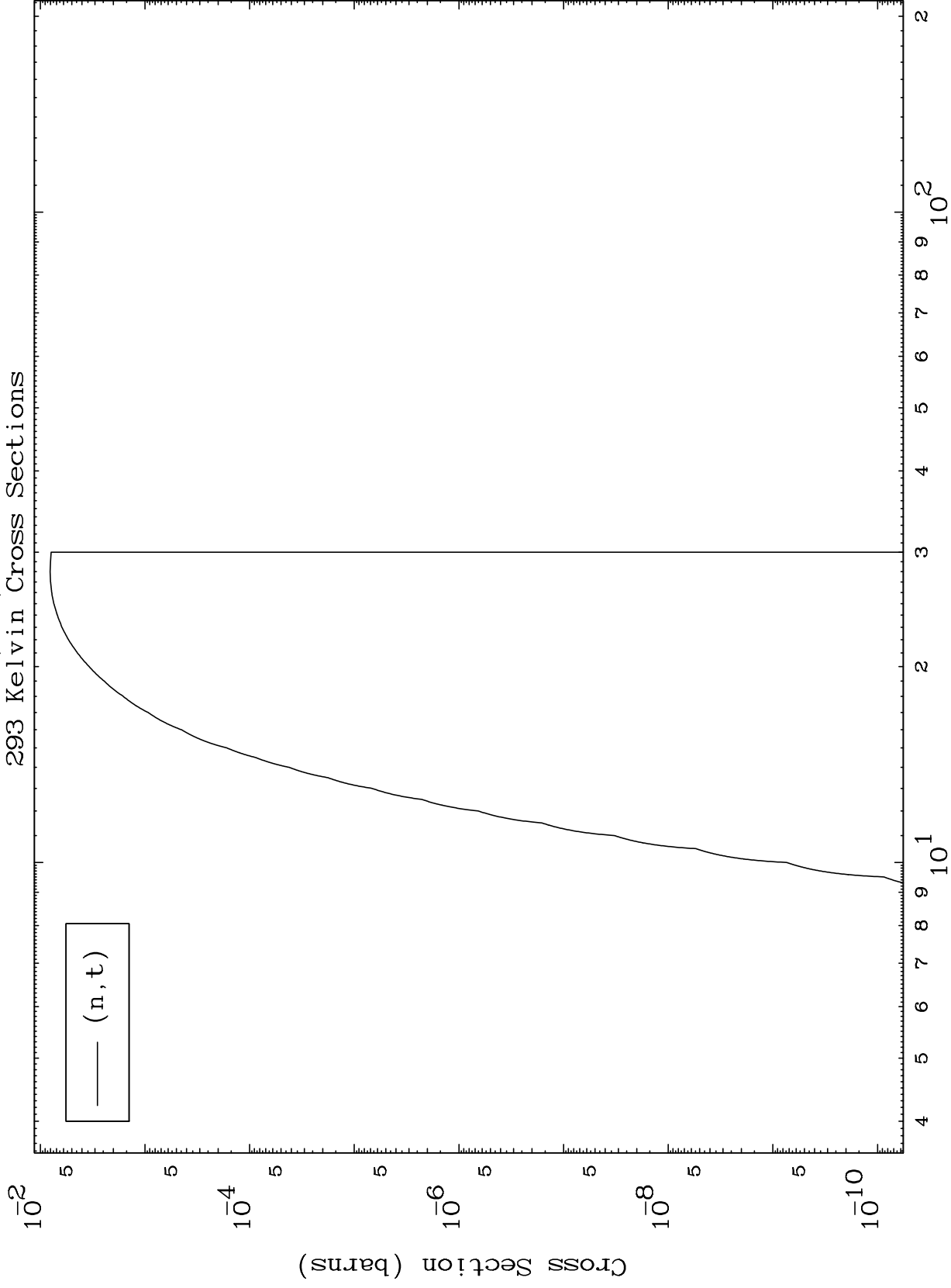
75-Re-179



MAT 7507

(n,t) Levels  
293 Kelvin Cross Sections

75-Re-179



12

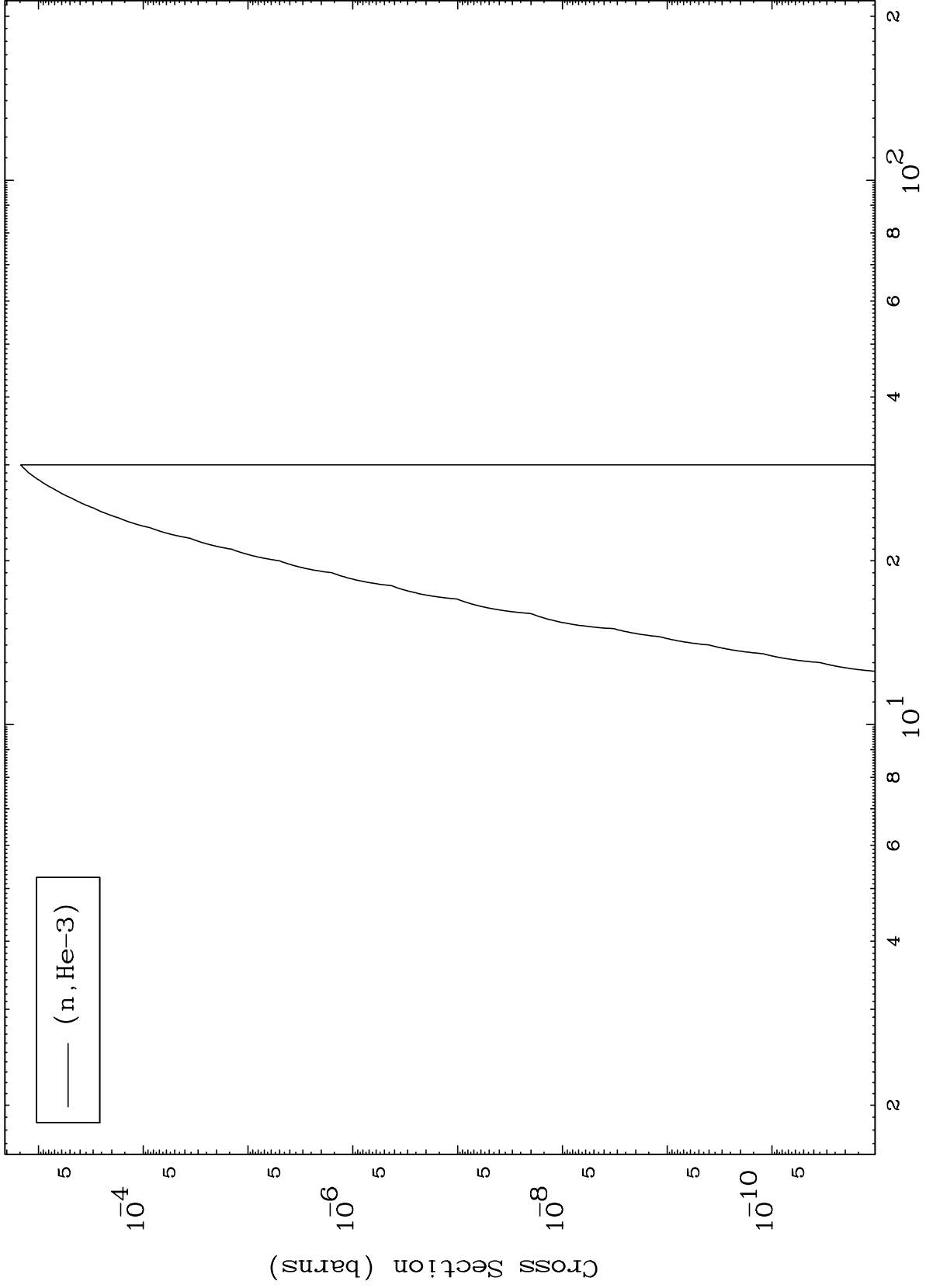
Incident Energy (MeV)

75-Re-179

MAT 7507

(n,He3) Levels  
293 Kelvin Cross Sections

75-Re-179



13

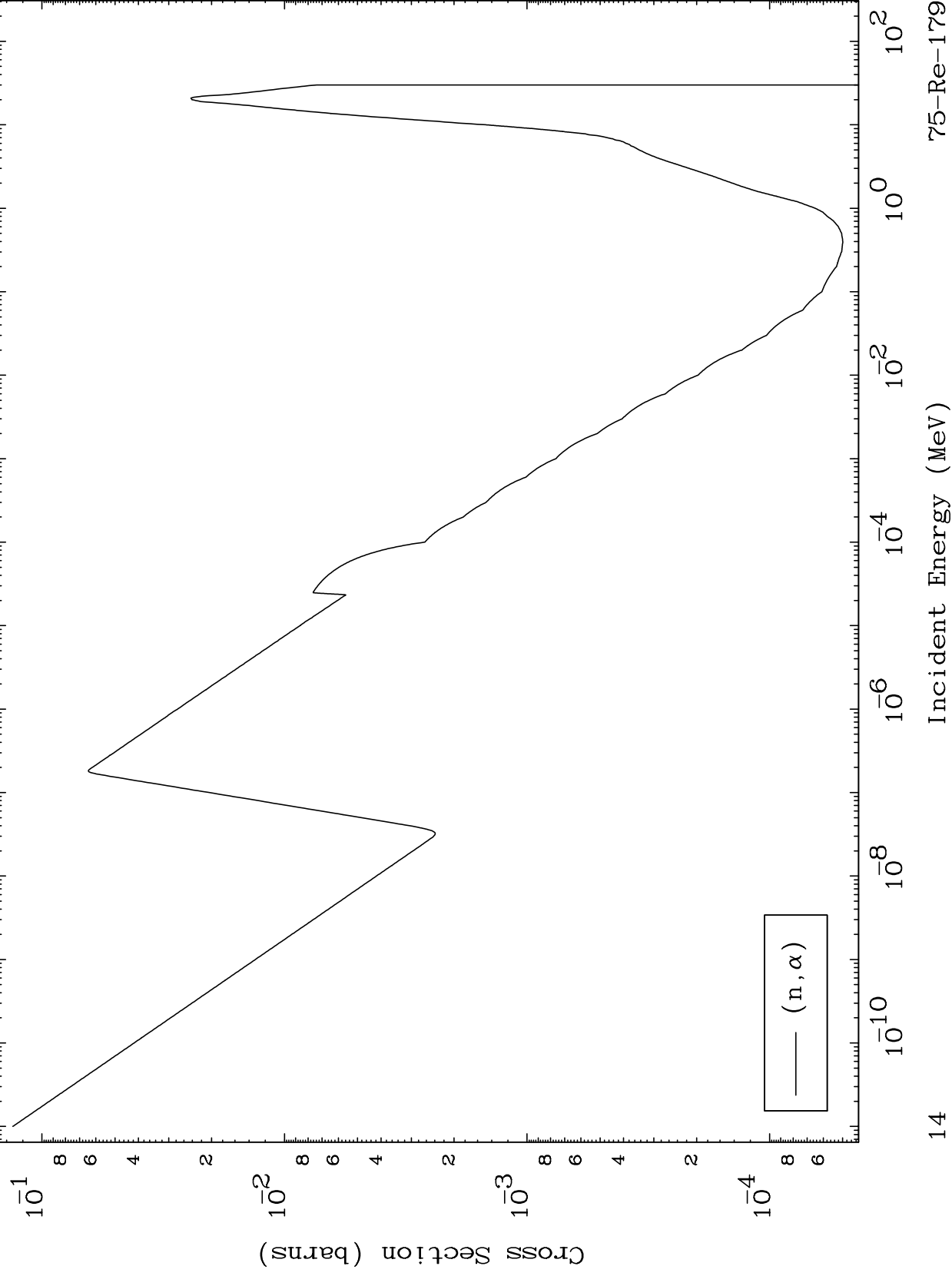
Incident Energy (MeV)

75-Re-179

MAT 7507

(n,α) Levels  
293 Kelvin Cross Sections

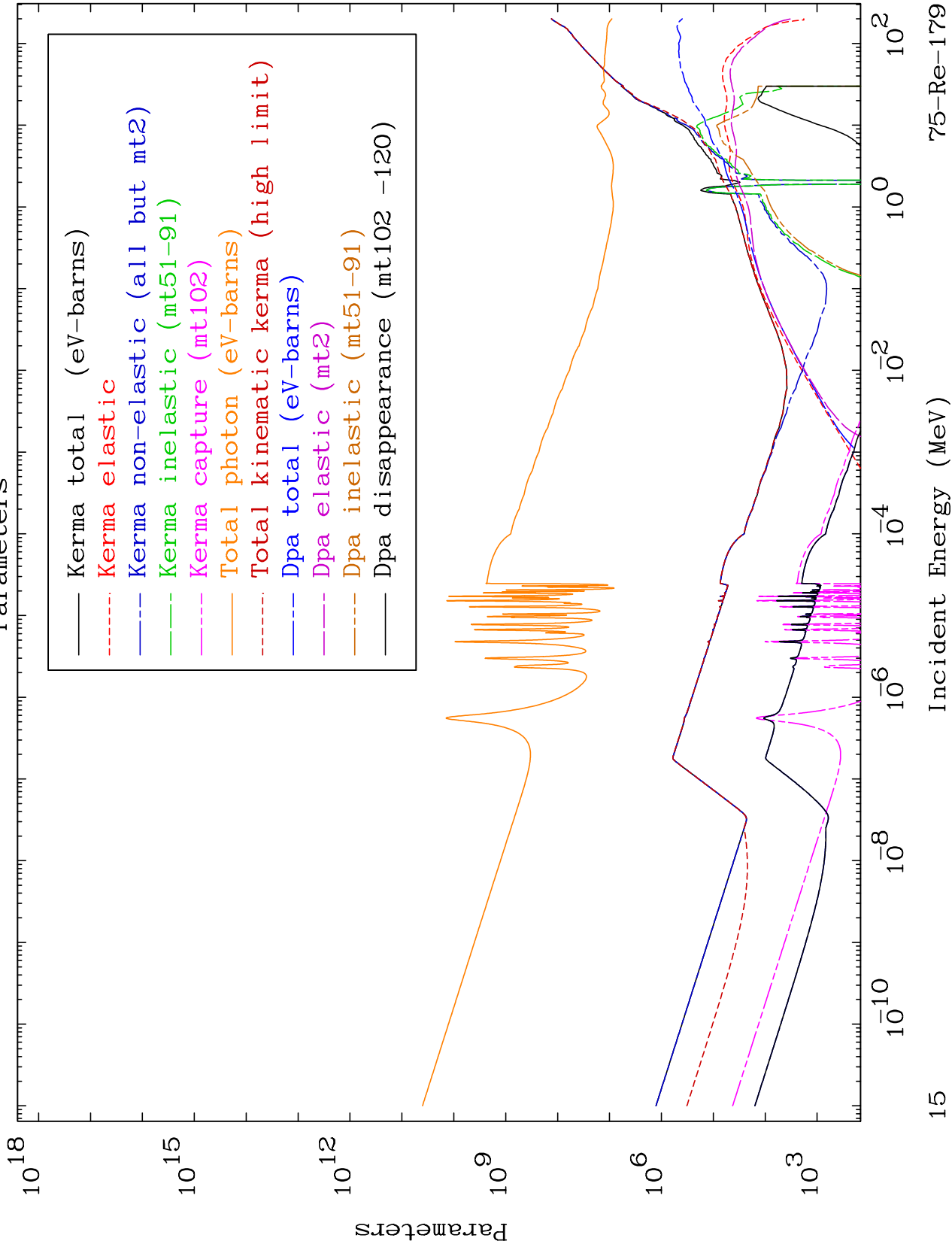
75-Re-179



14

Incident Energy (MeV)

75-Re-179

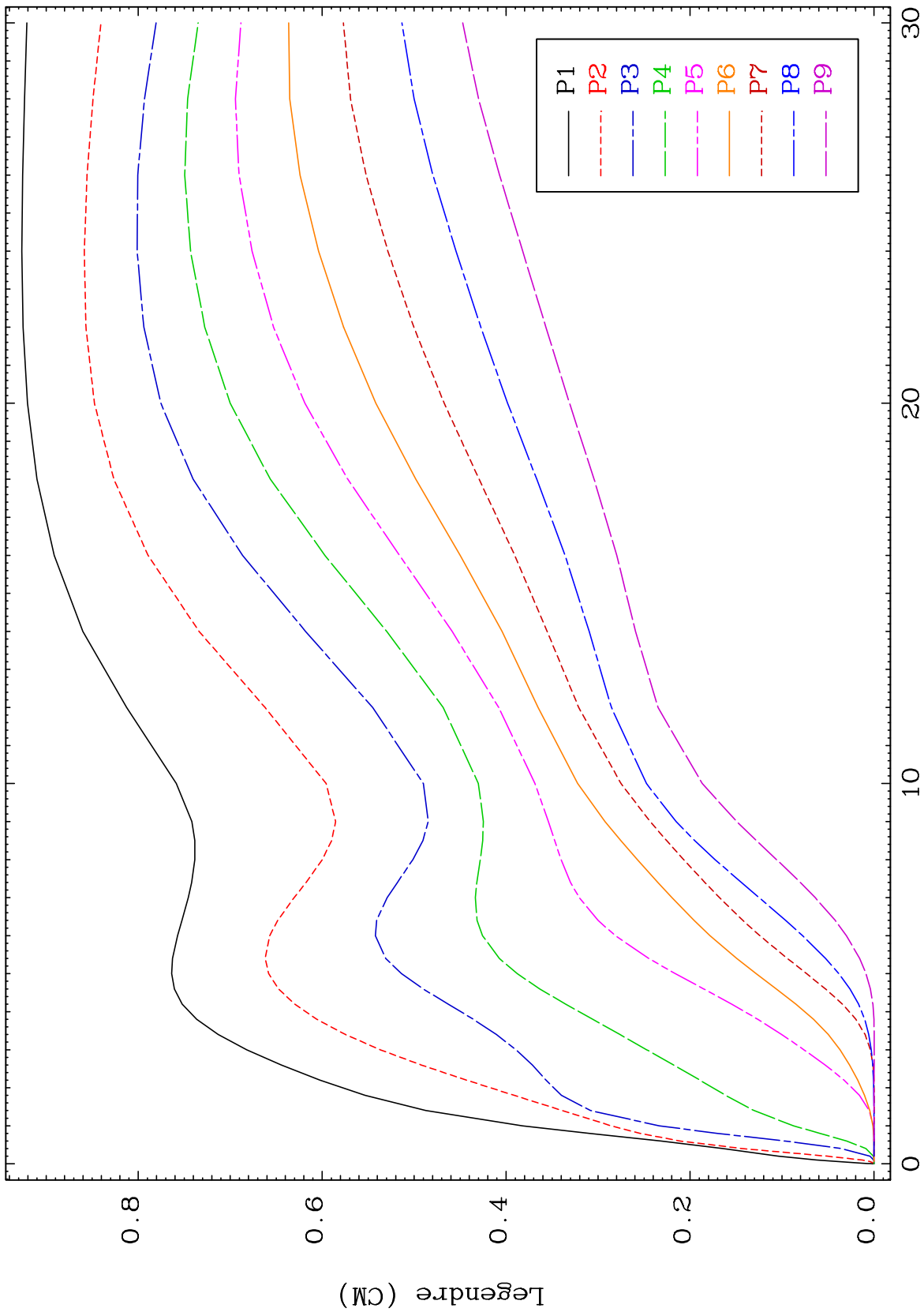




MAT 7507

Elastic Legendre Coefficients

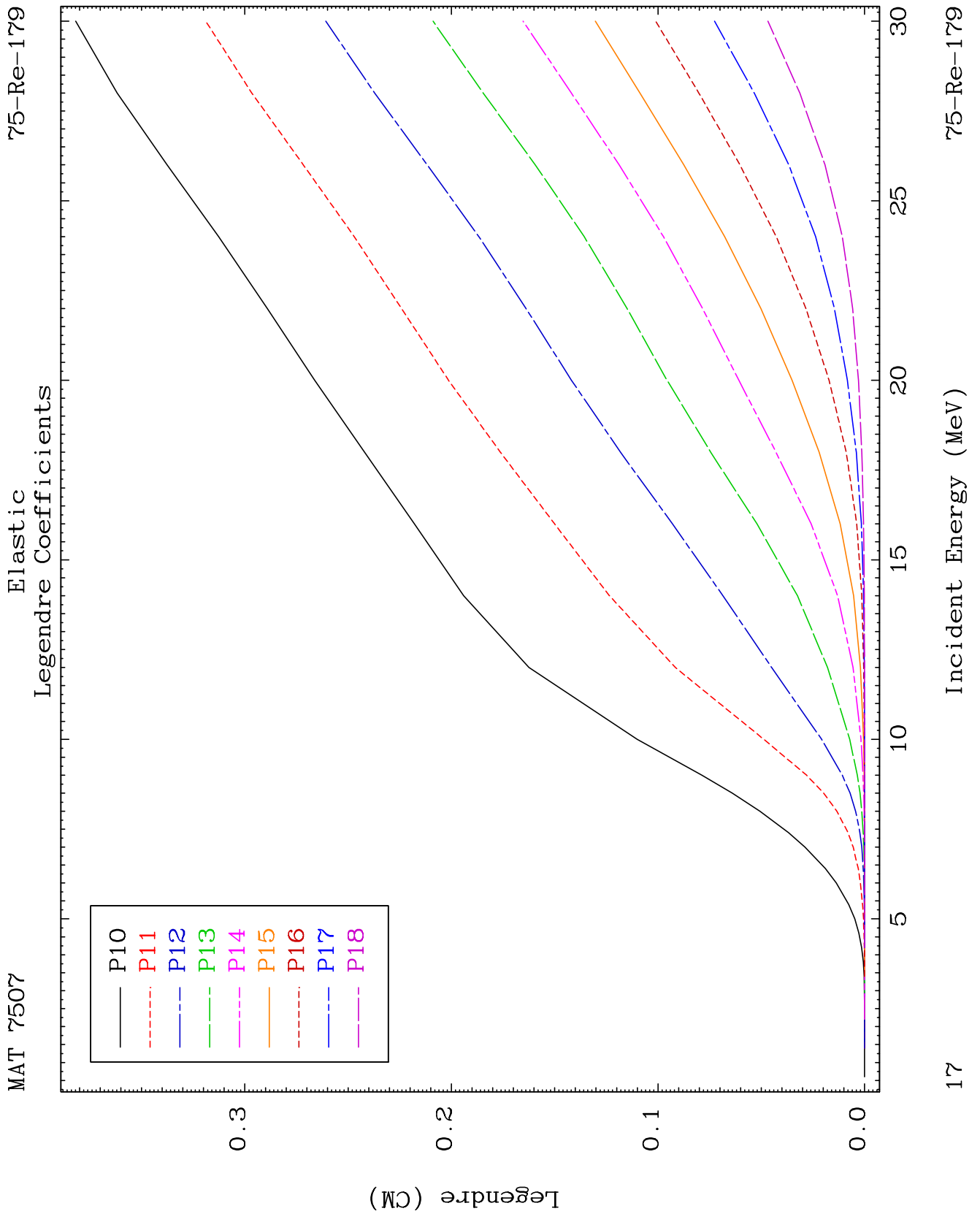
75-Re-179



16

Incident Energy (MeV)

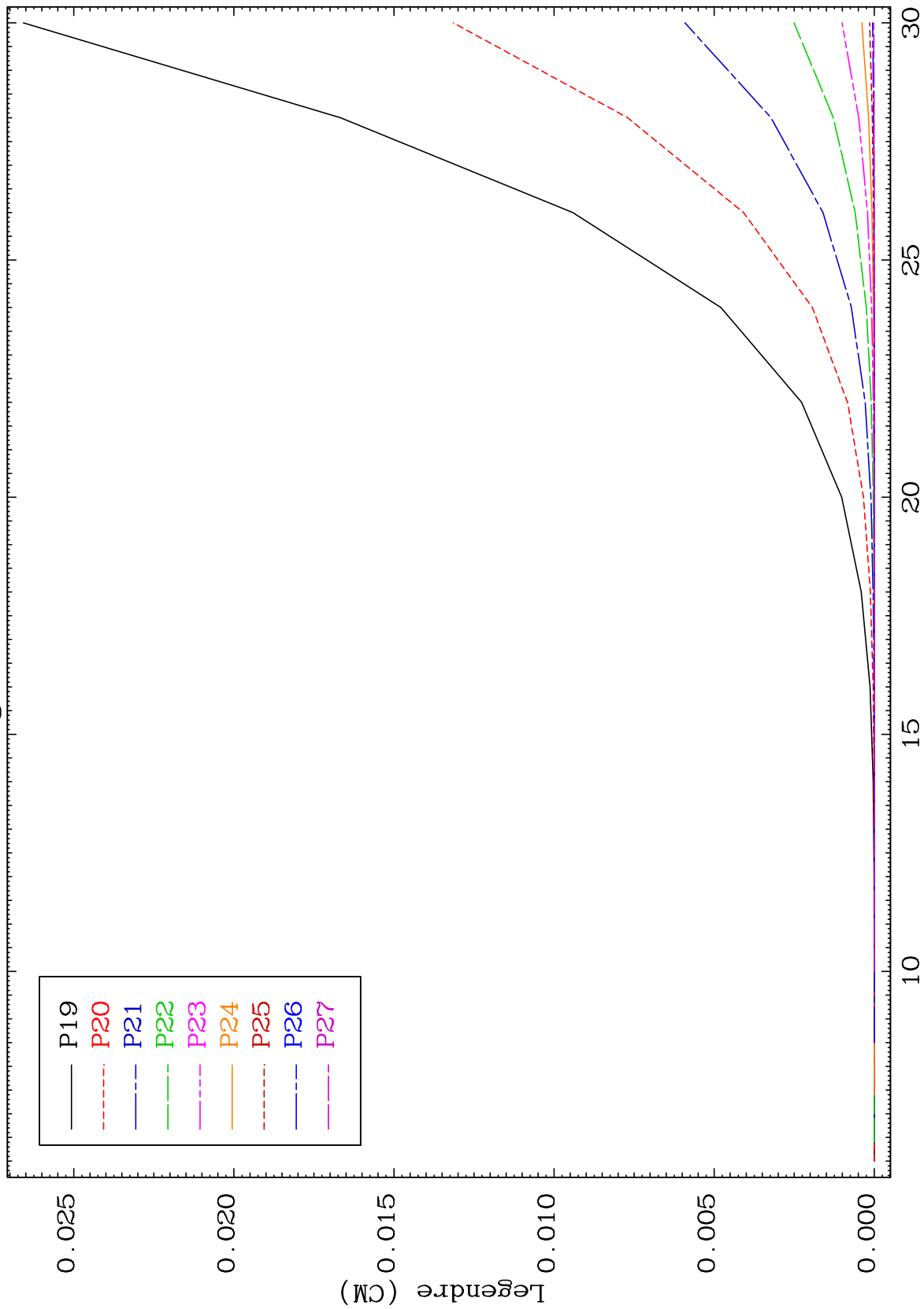
75-Re-179



MAT 7507

Elastic  
Legendre Coefficients

75-Re-179



18

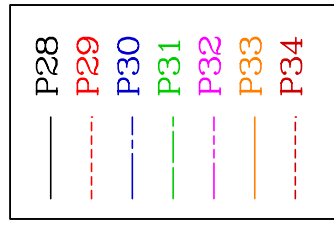
Incident Energy (MeV)

75-Re-179

MAT 7507

Elastic Legendre Coefficients

75-Re-179



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

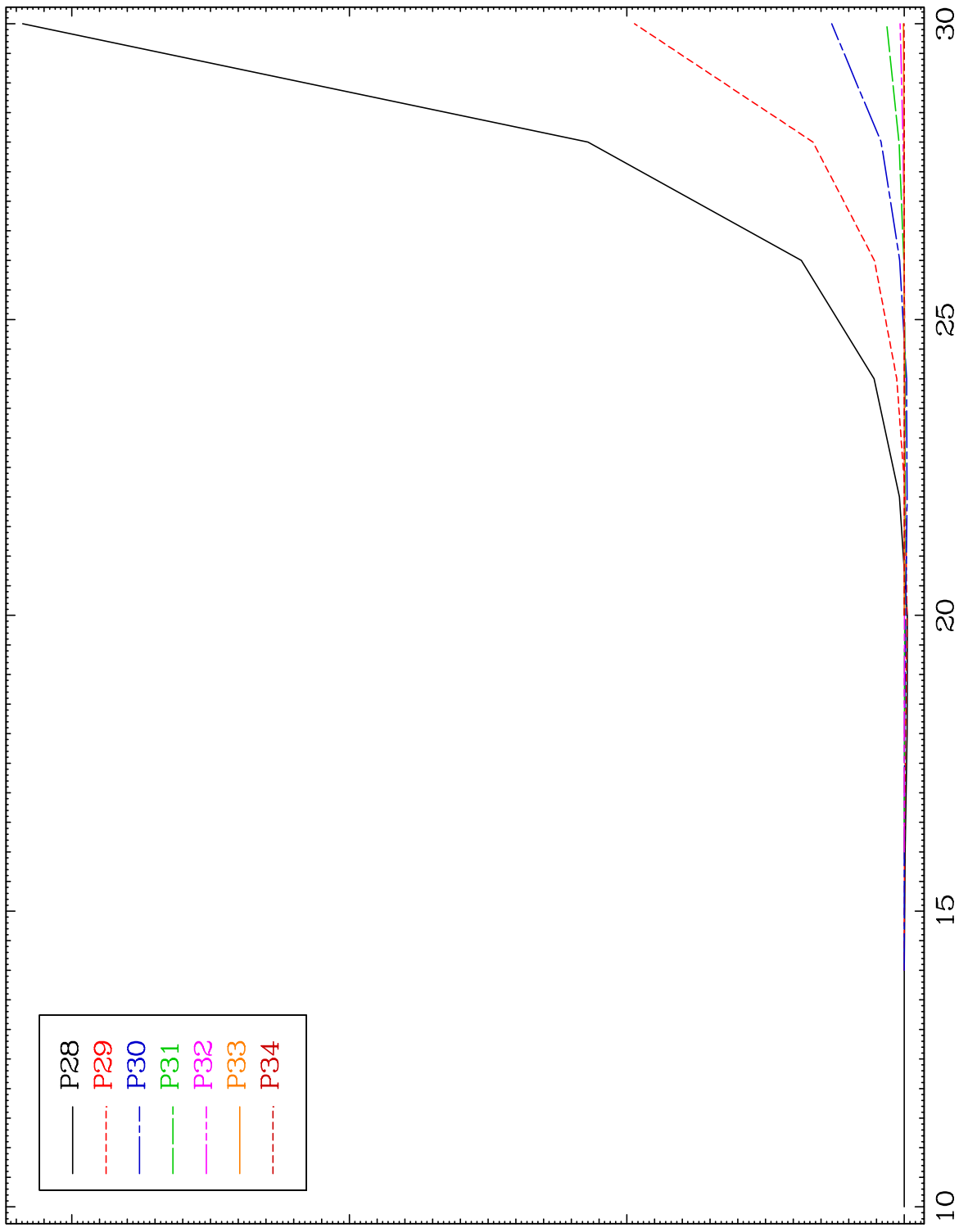
25

30

19

Incident Energy (MeV)

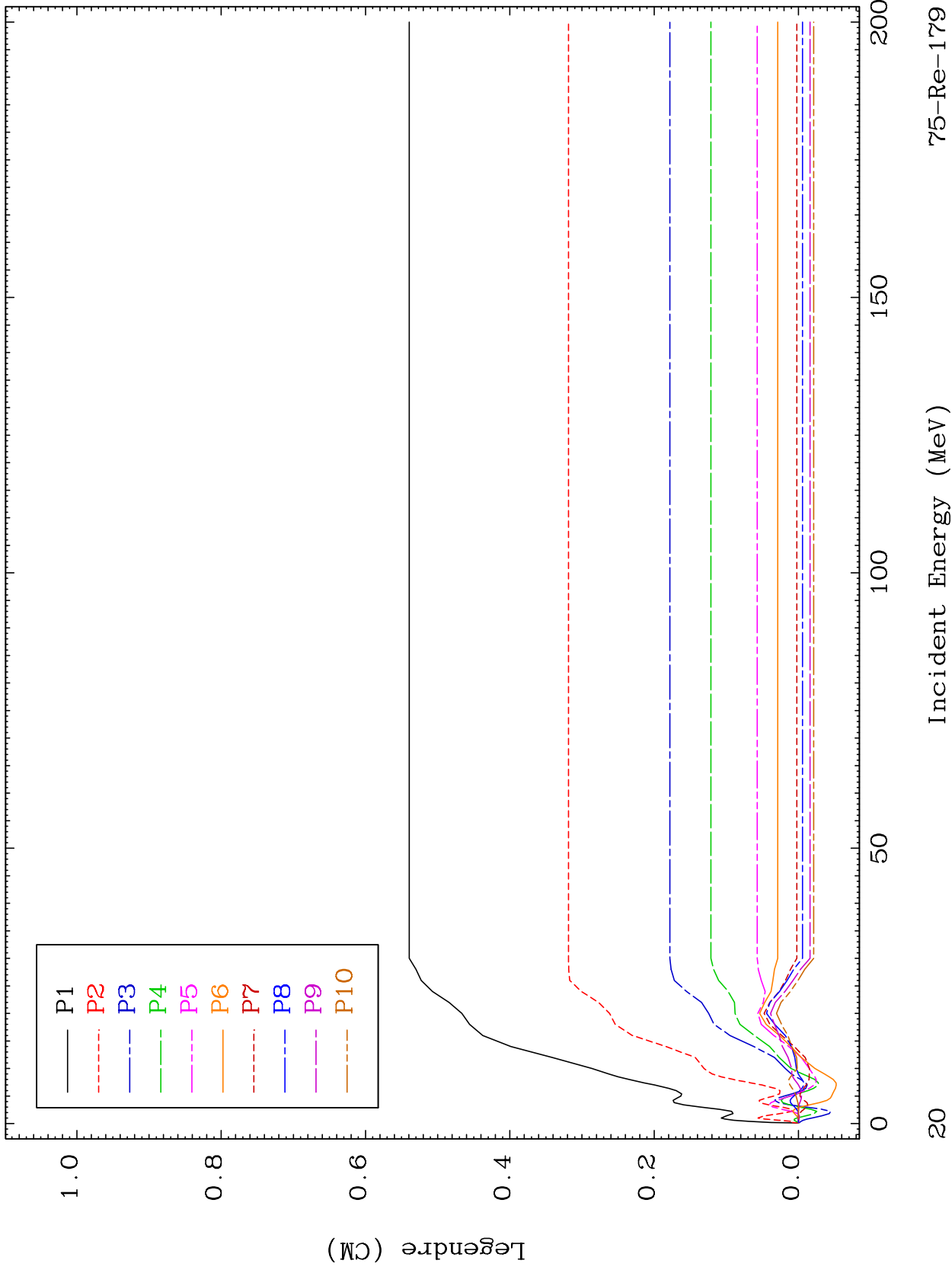
75-Re-179



MAT 7507

65.35 keV (n,n') Level  
Legendre Coefficients

75-Re-179



75-Re-179

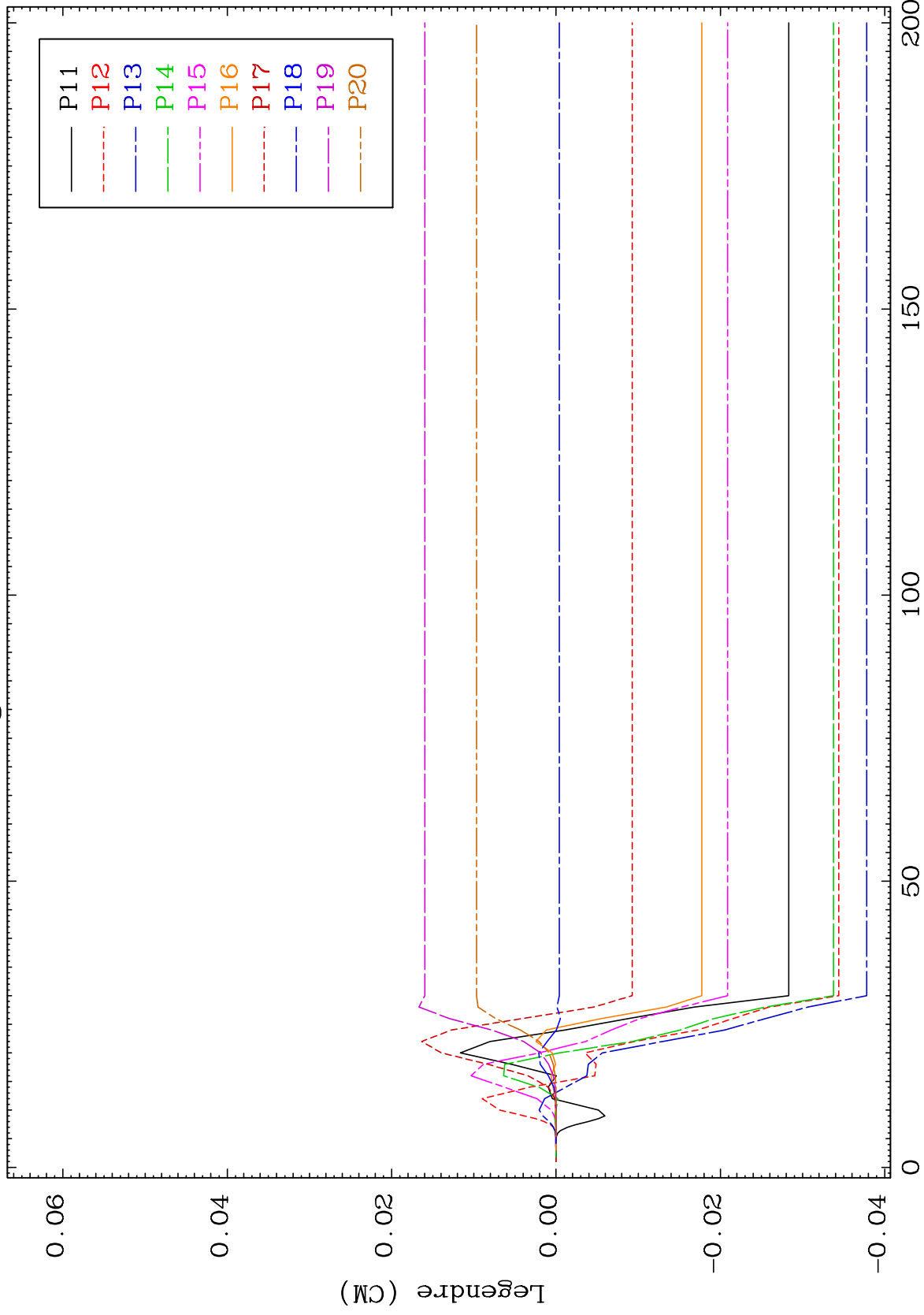
Incident Energy (MeV)

0

MAT 7507

65.35 keV (n,n') Level  
Legendre Coefficients

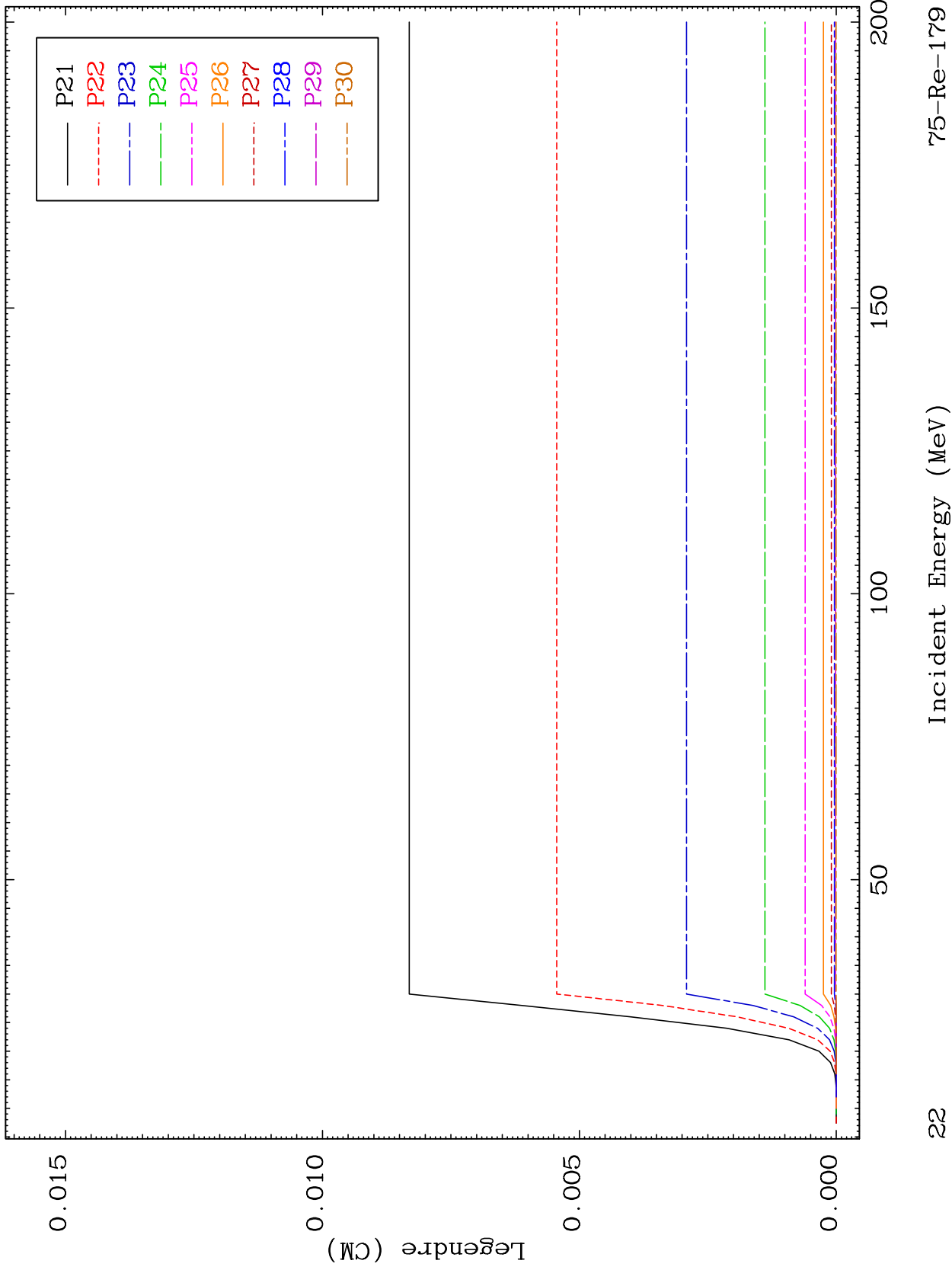
75-Re-179



MAT 7507

65.35 keV (n,n') Level  
Legendre Coefficients

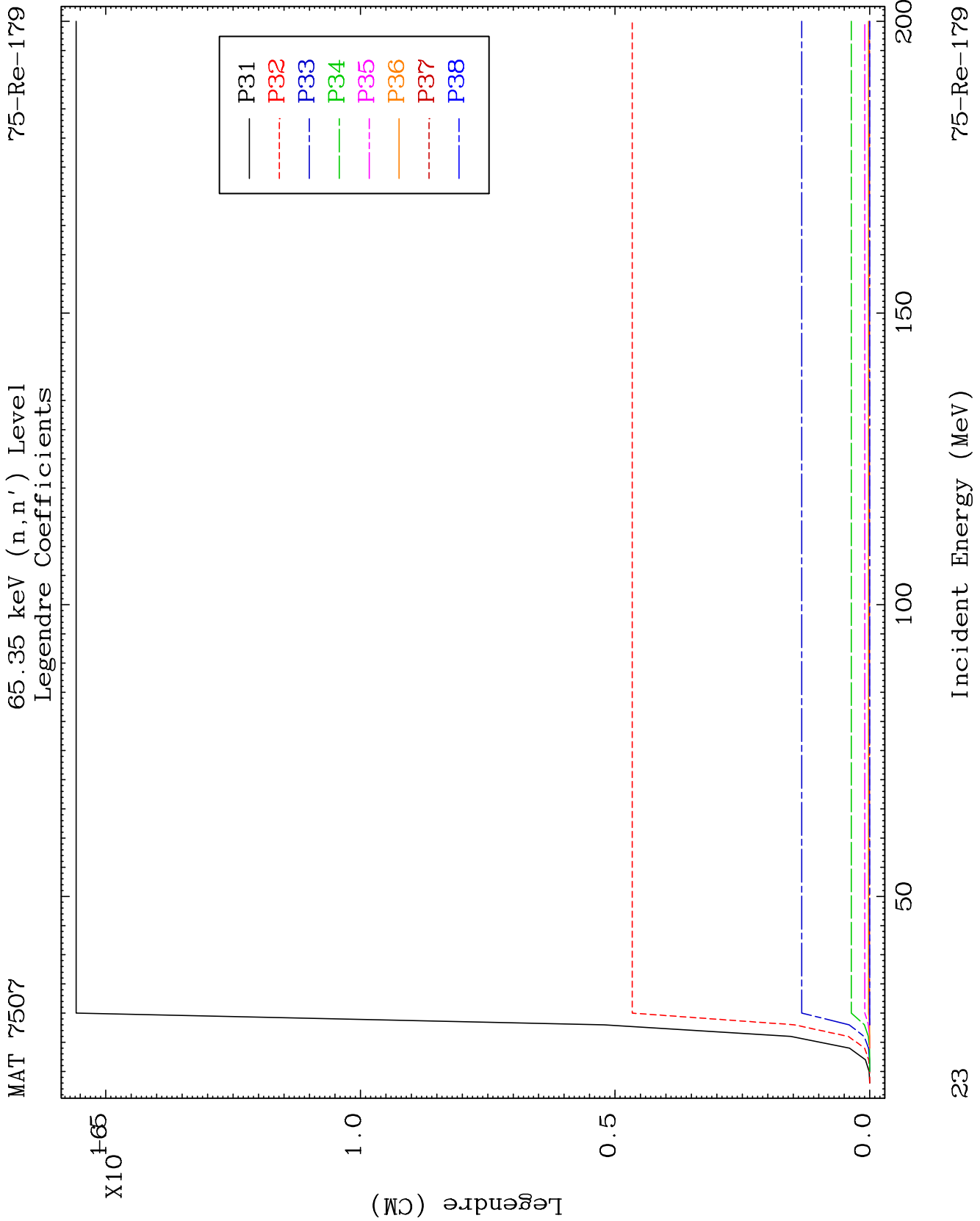
75-Re-179



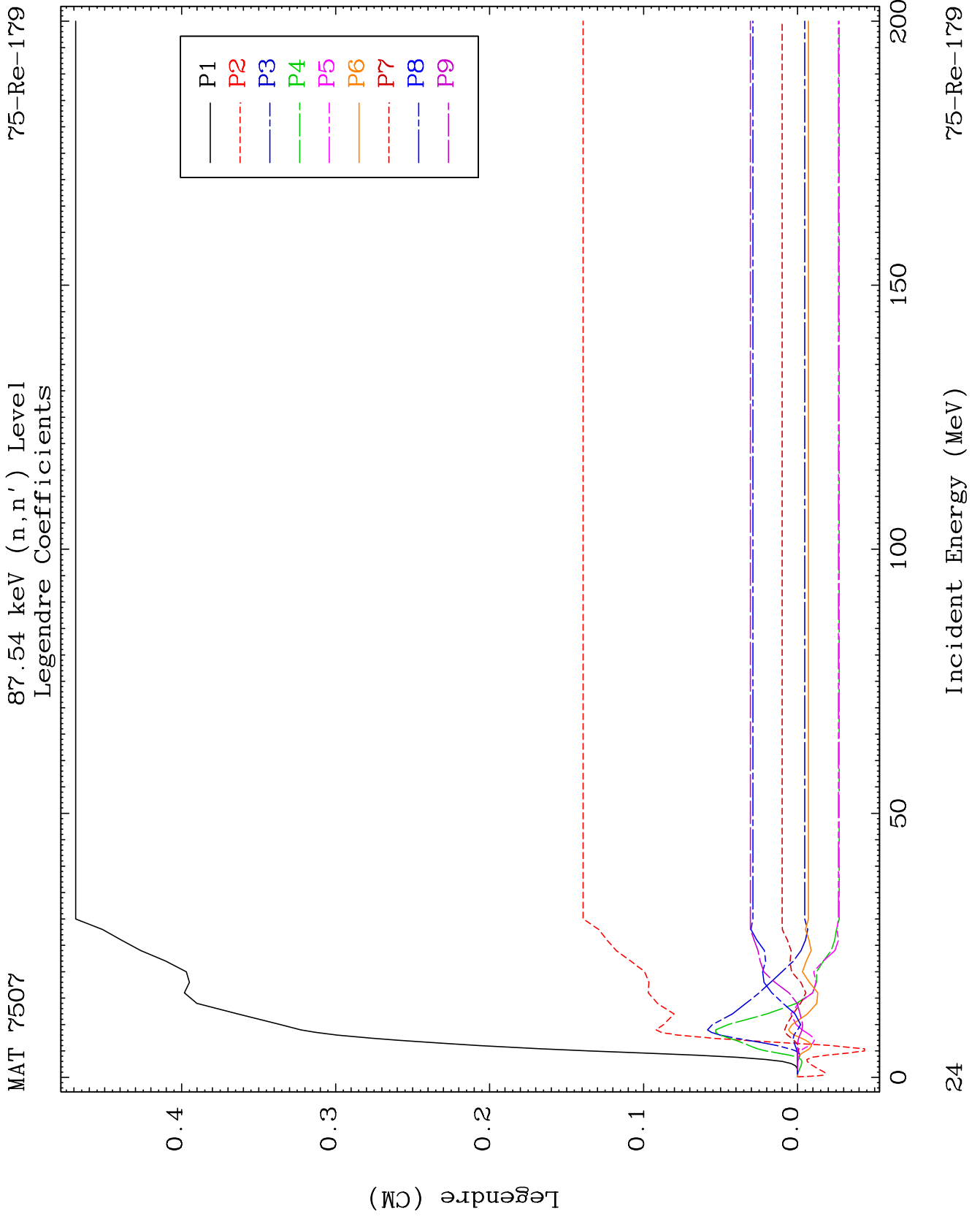
22

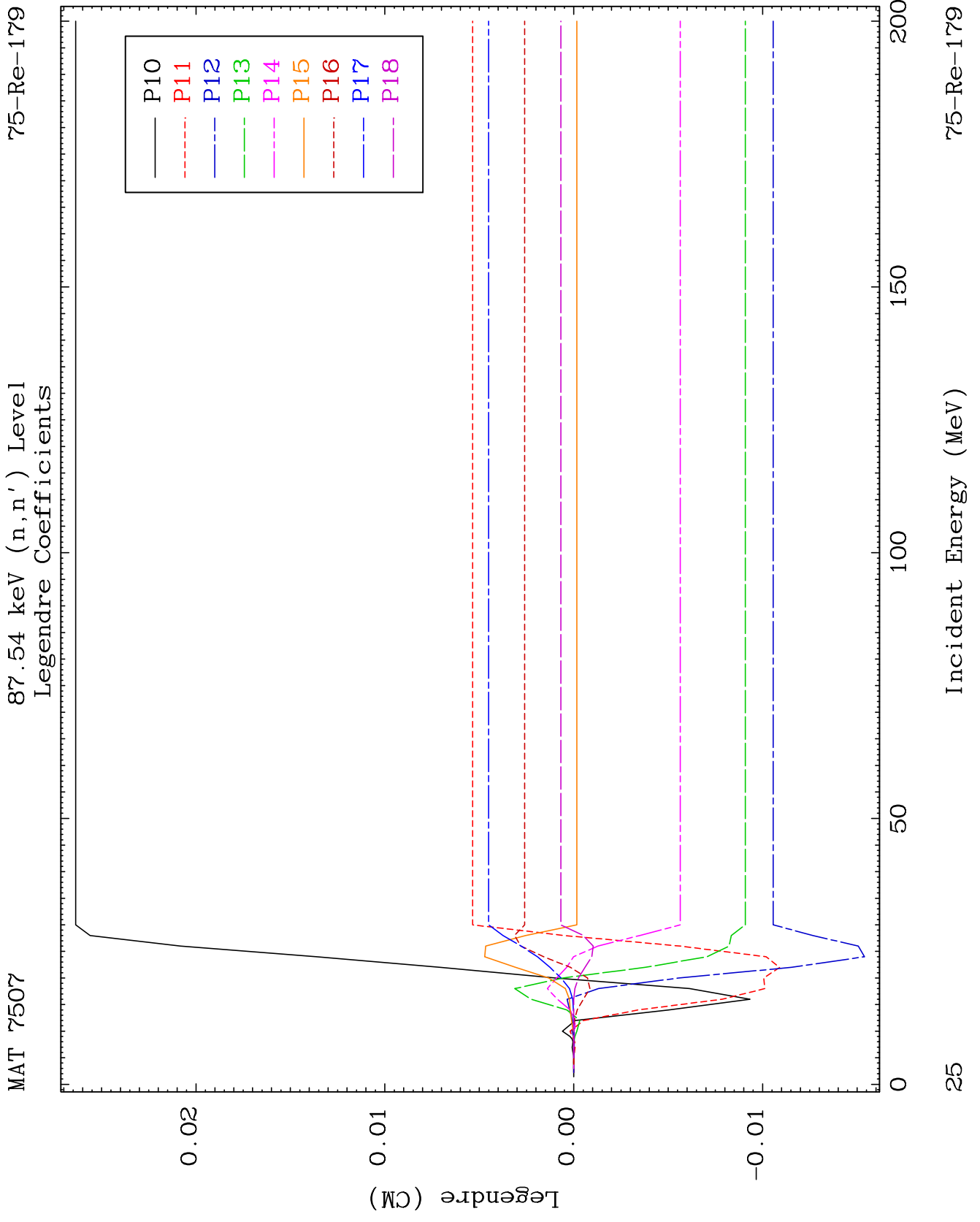
Incident Energy (MeV)

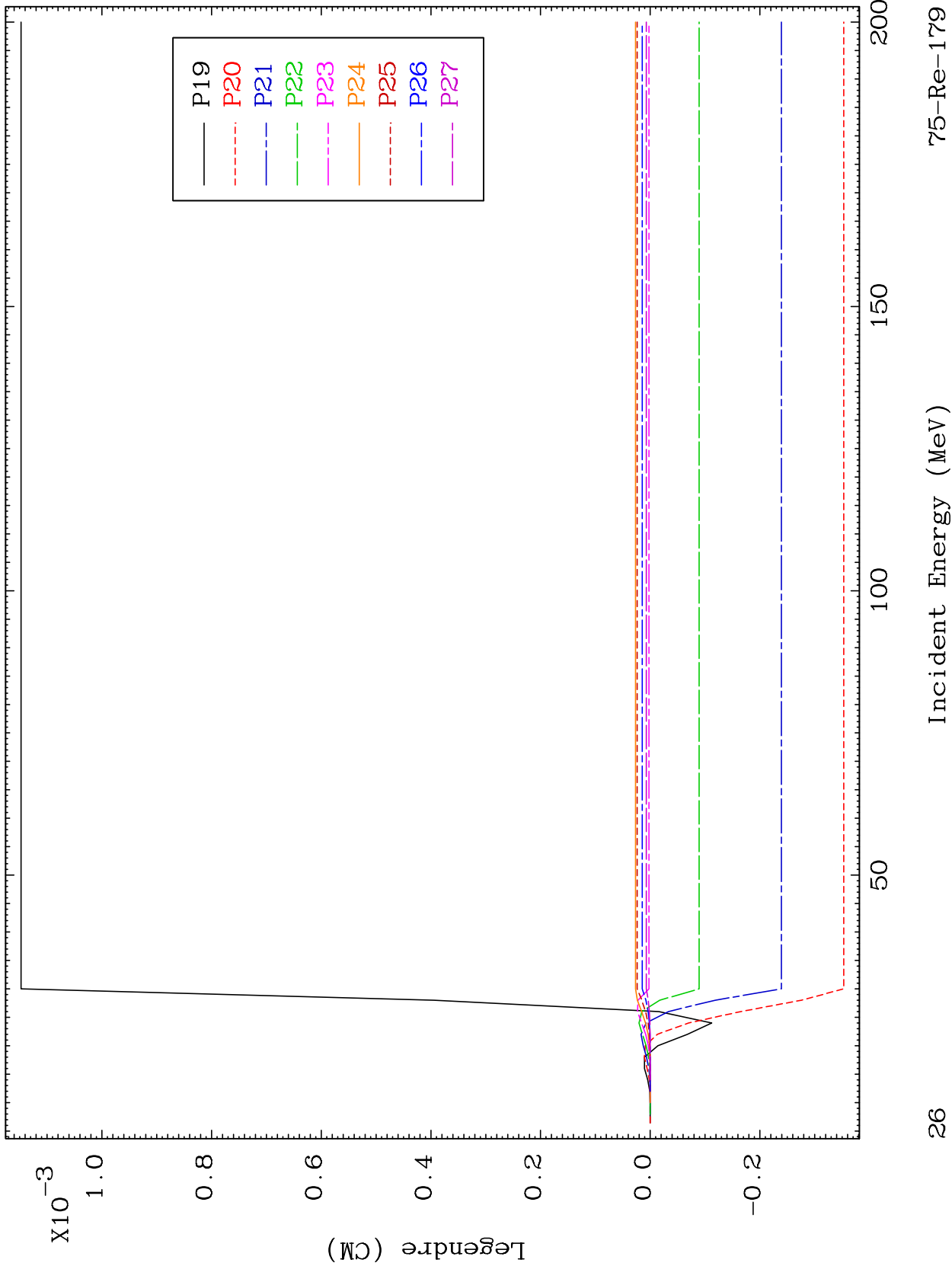
75-Re-179







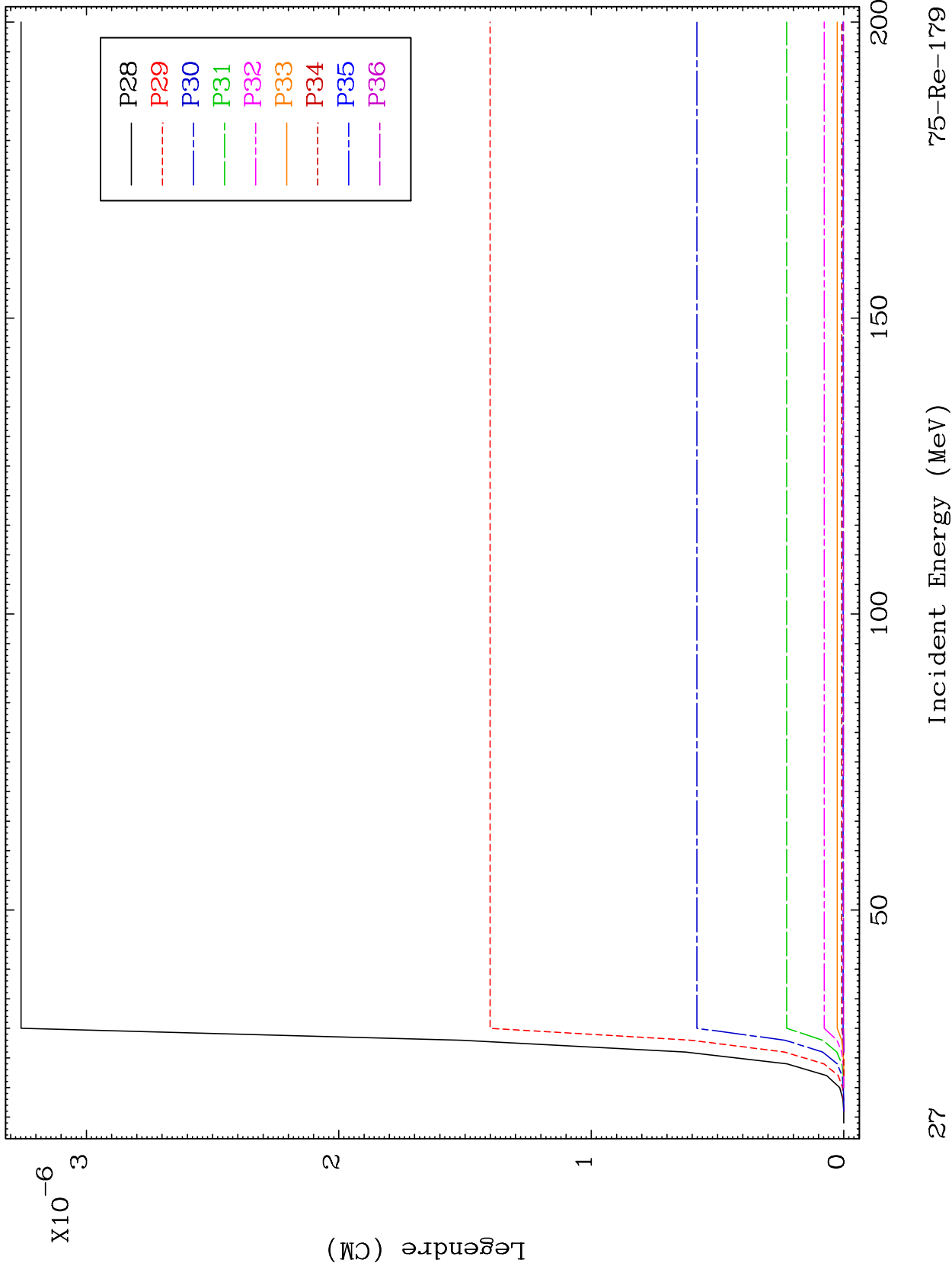




MAT 7507

87.54 keV (n,n') Level  
Legendre Coefficients

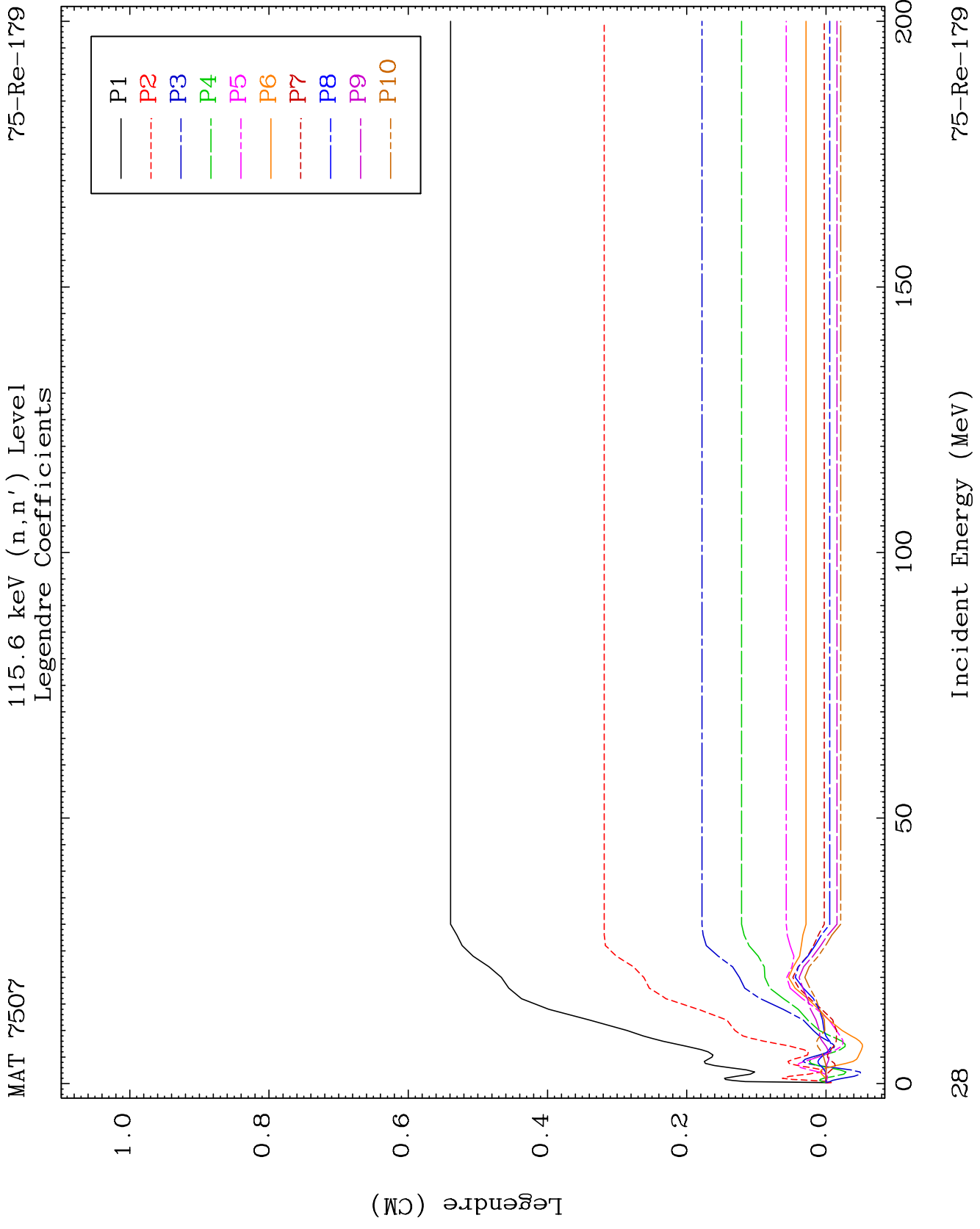
75-Re-179



27

Incident Energy (MeV)

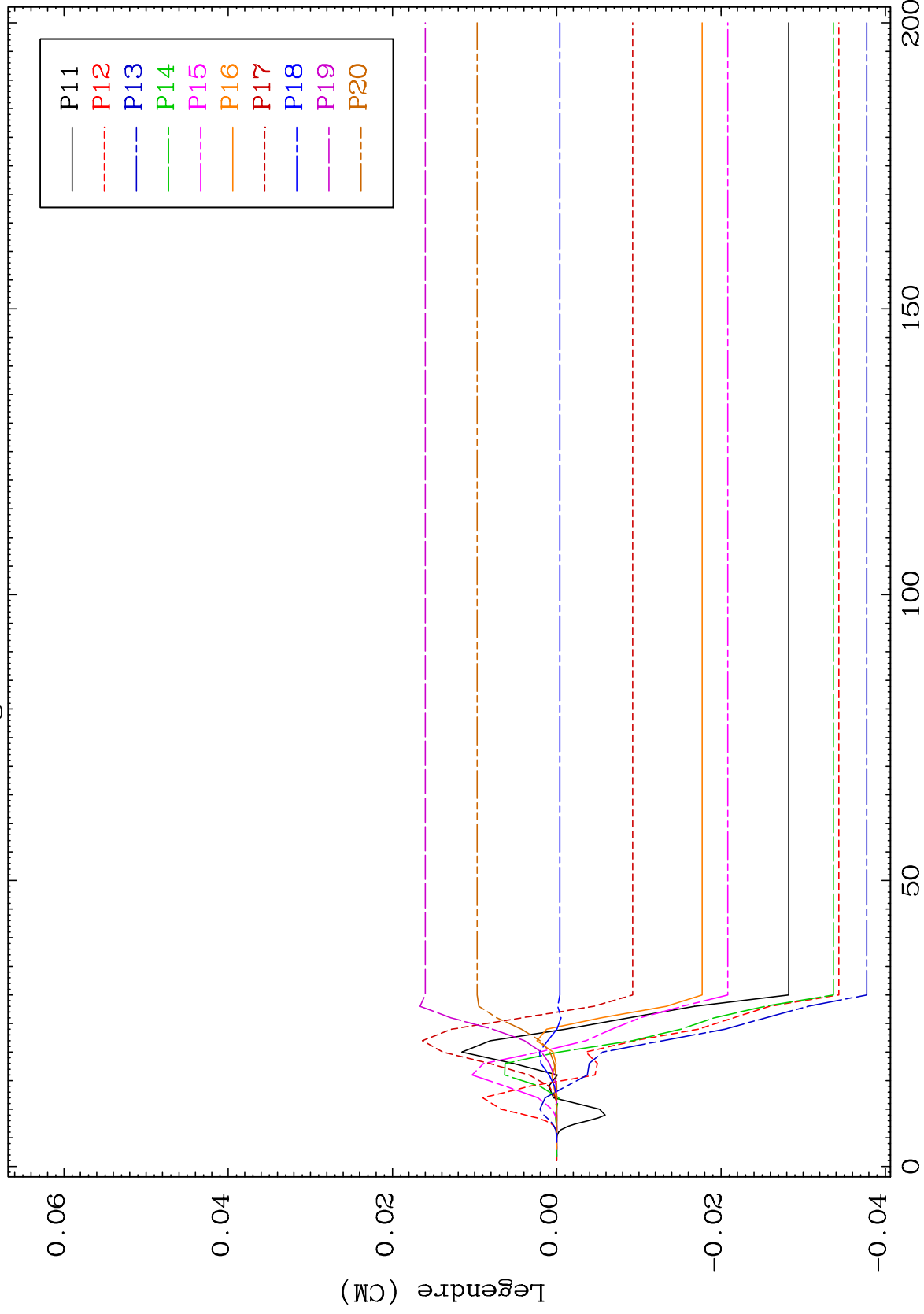
75-Re-179



MAT 7507

115.6 keV (n,n') Level  
Legendre Coefficients

75-Re-179



29

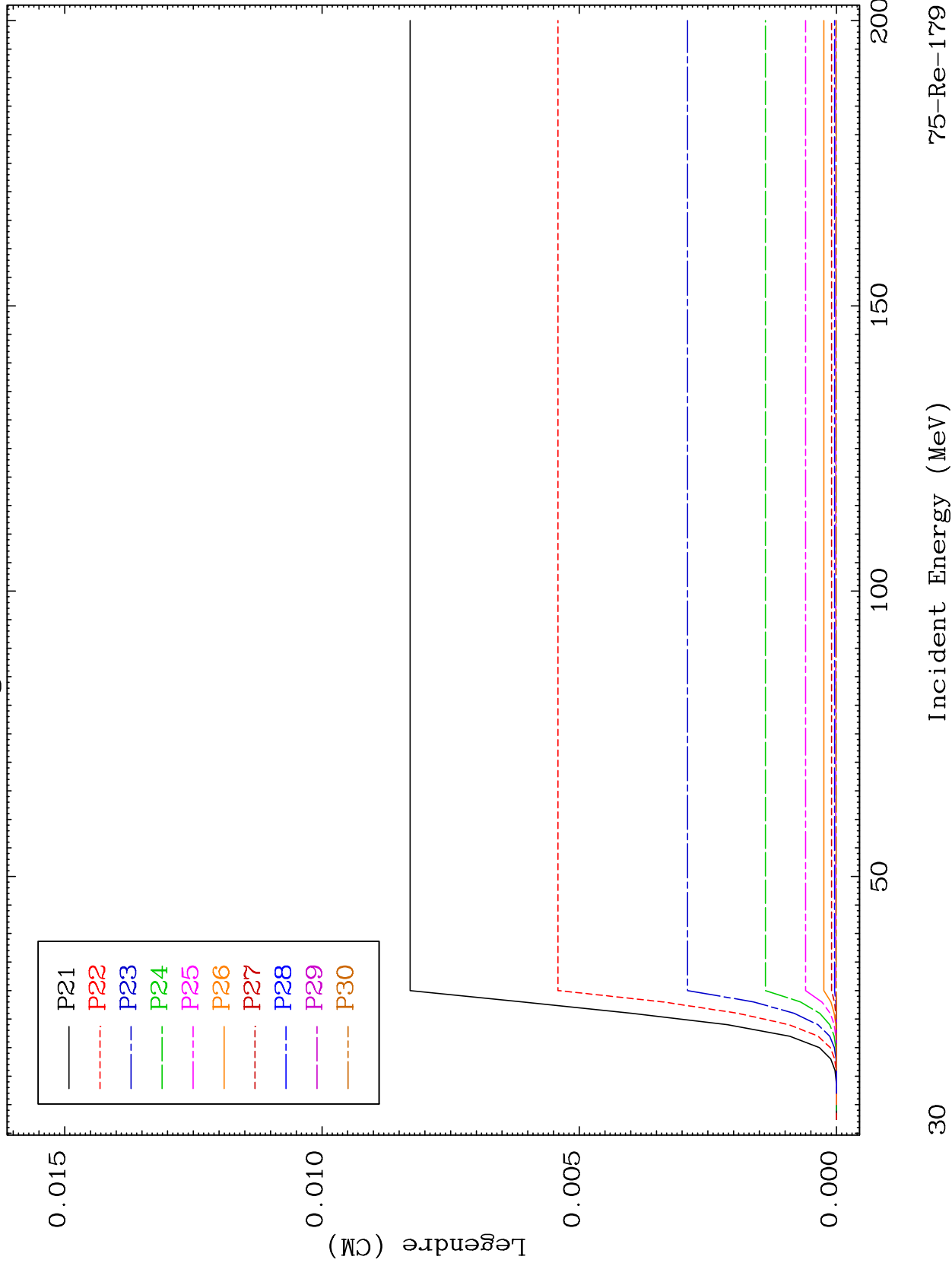
Incident Energy (MeV)

75-Re-179

MAT 7507

115.6 keV (n,n') Level  
Legendre Coefficients

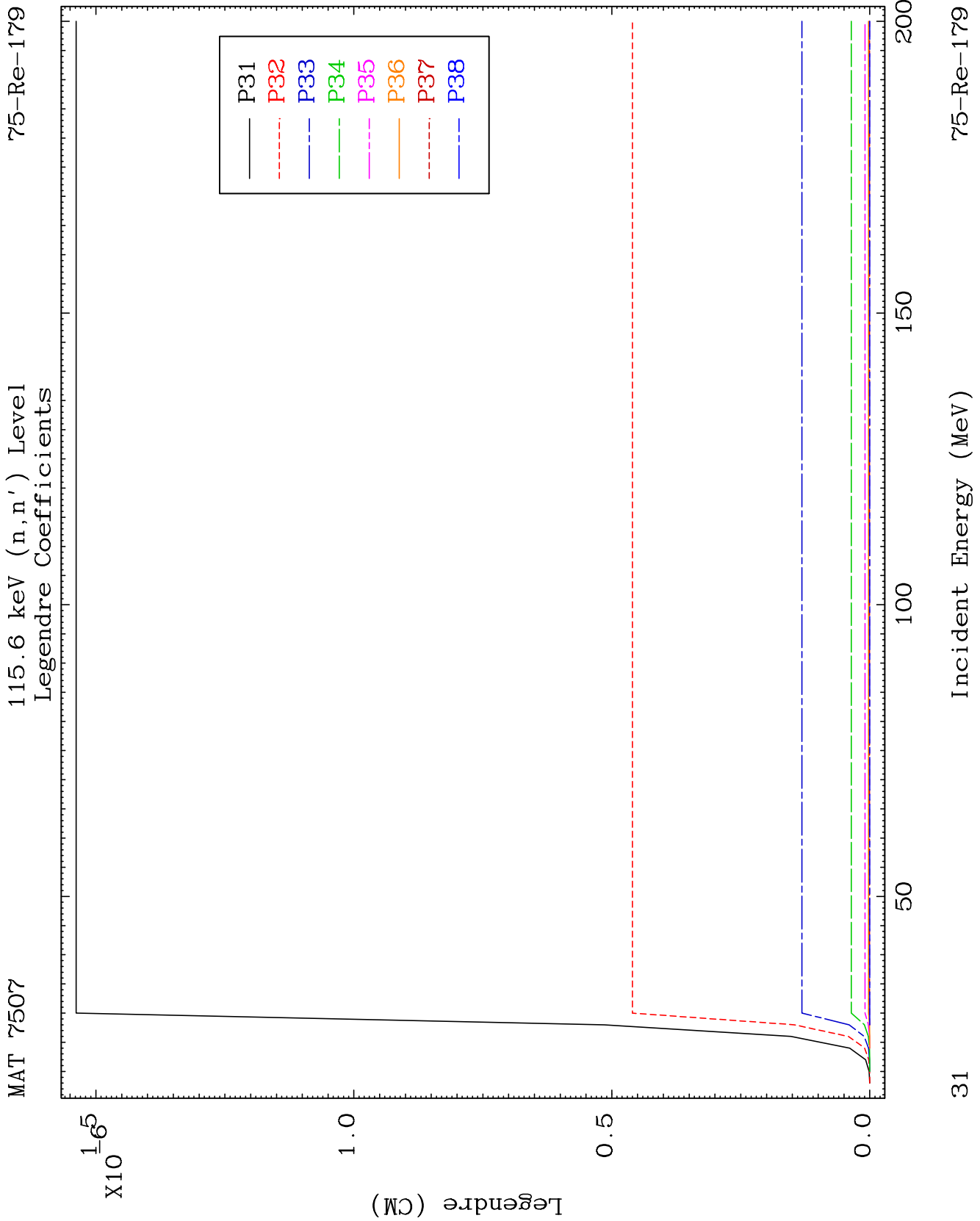
75-Re-179



30

Incident Energy (MeV)

75-Re-179

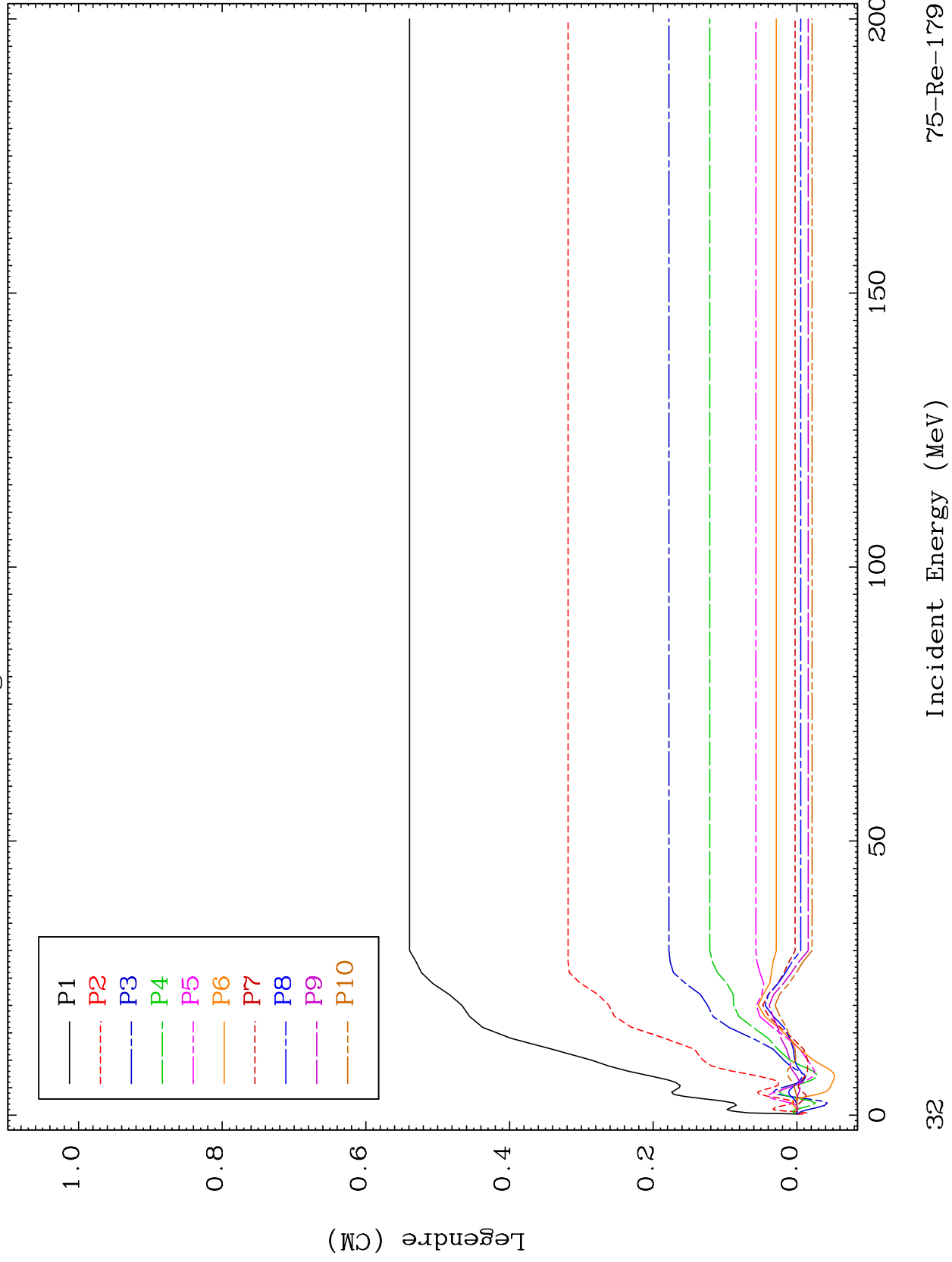




MAT 7507

118.4 keV (n, n') Level  
Legendre Coefficients

75-Re-179



32

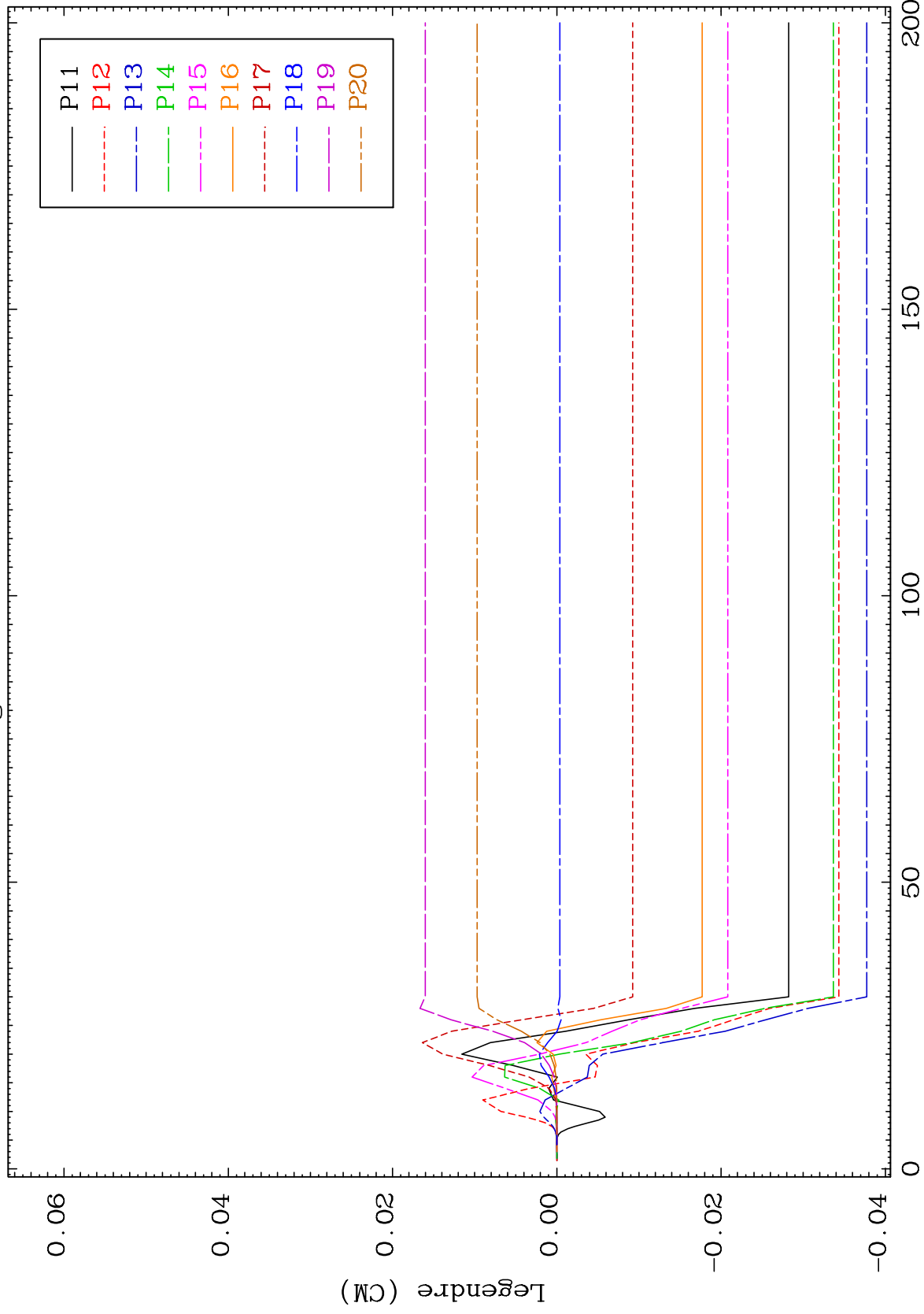
Incident Energy (MeV)

75-Re-179

MAT 7507

118.4 keV (n,n') Level  
Legendre Coefficients

75-Re-179



33

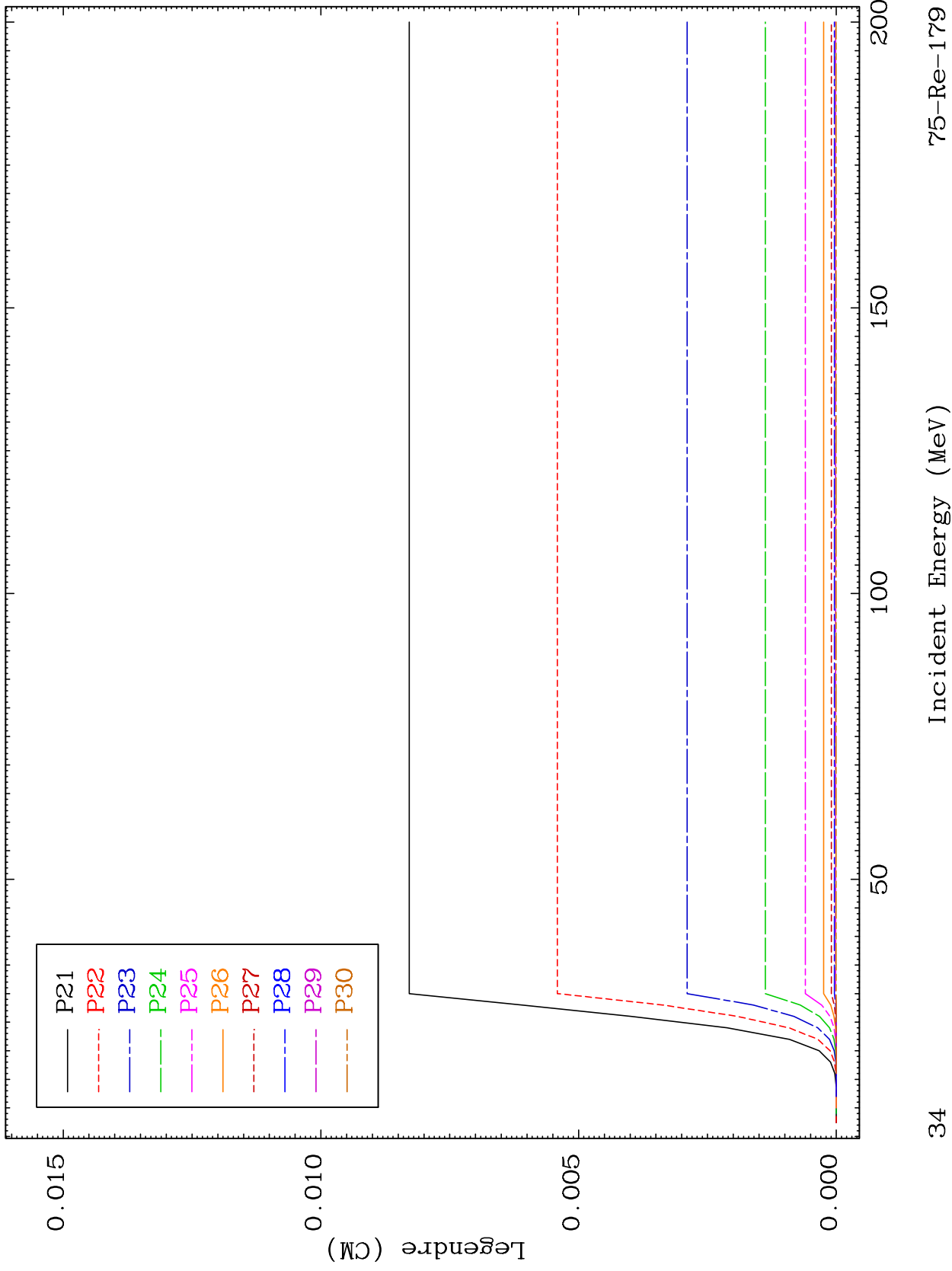
Incident Energy (MeV)

75-Re-179

MAT 7507

118.4 keV (n,n') Level  
Legendre Coefficients

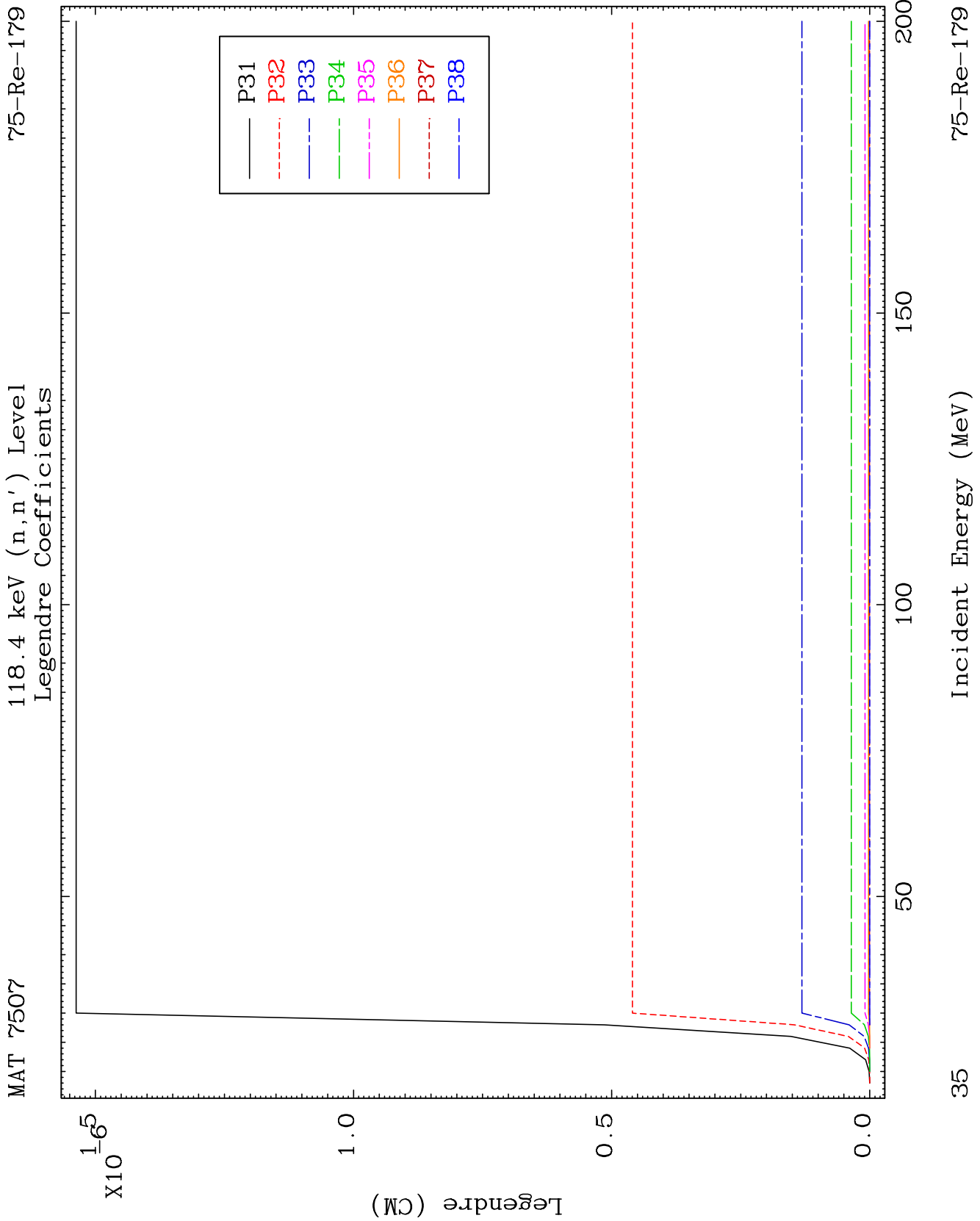
75-Re-179



34

Incident Energy (MeV)

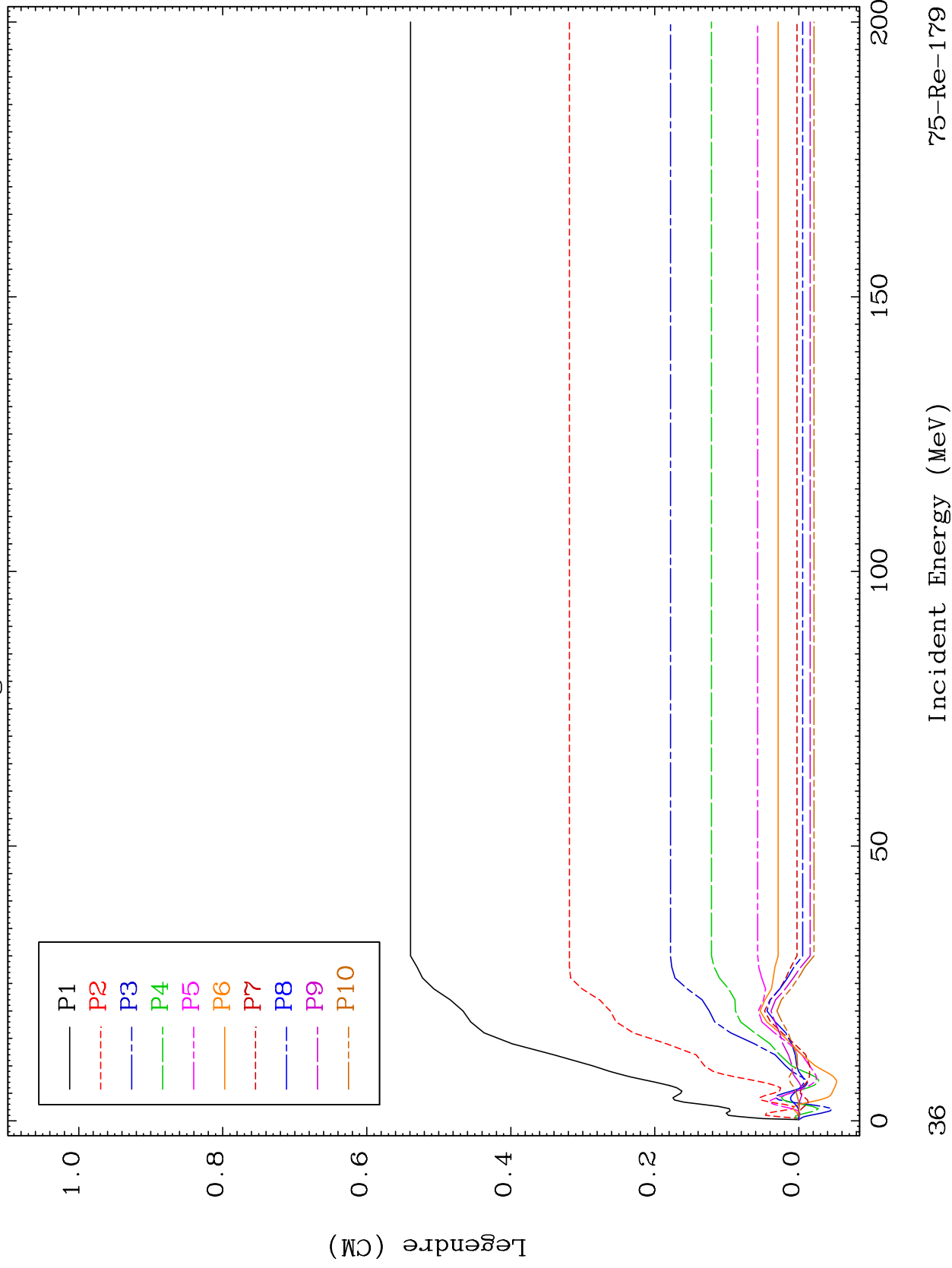
75-Re-179



MAT 7507

124.1 keV (n, n') Level  
Legendre Coefficients

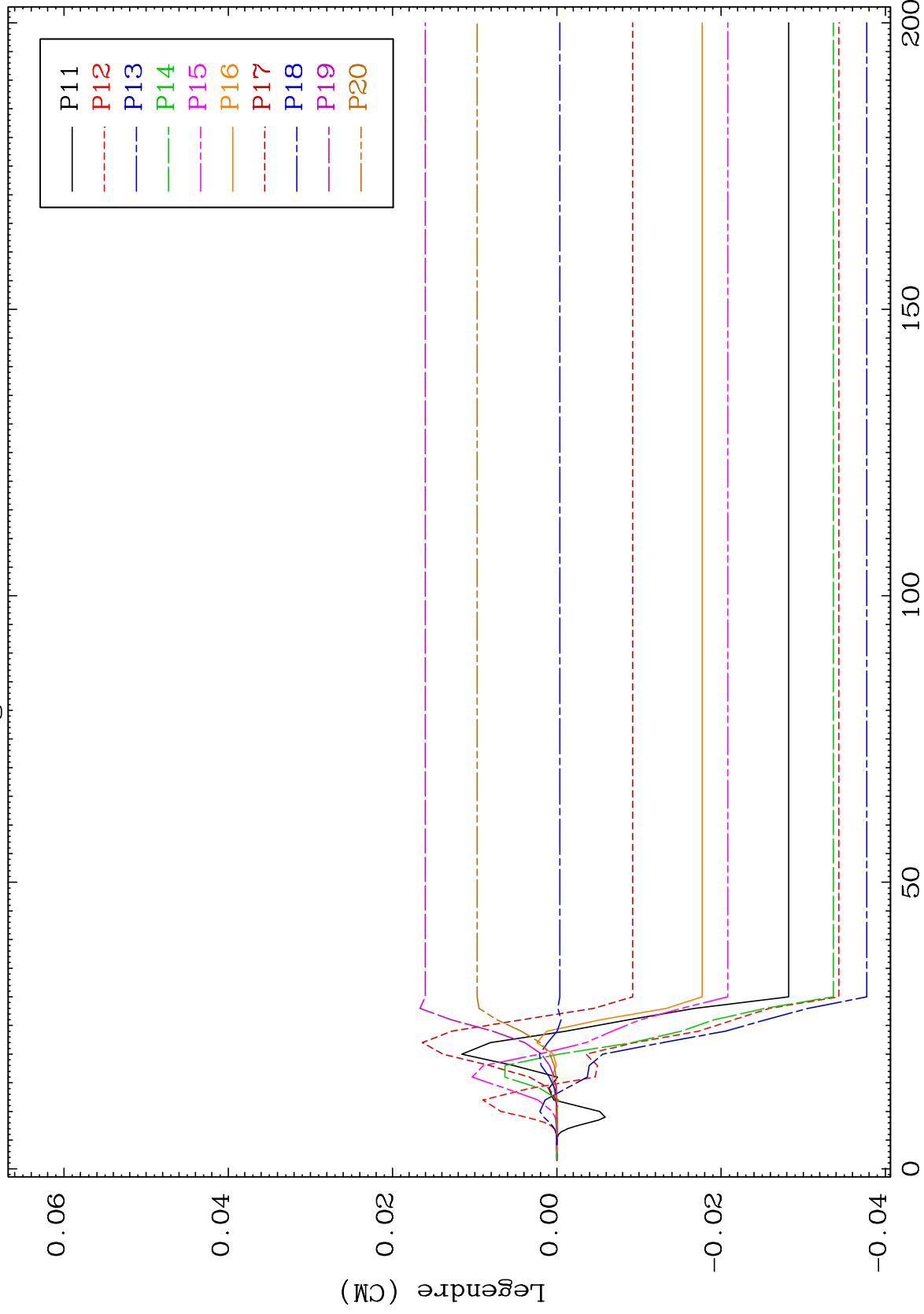
75-Re-179



MAT 7507

124.1 keV (n,n') Level  
Legendre Coefficients

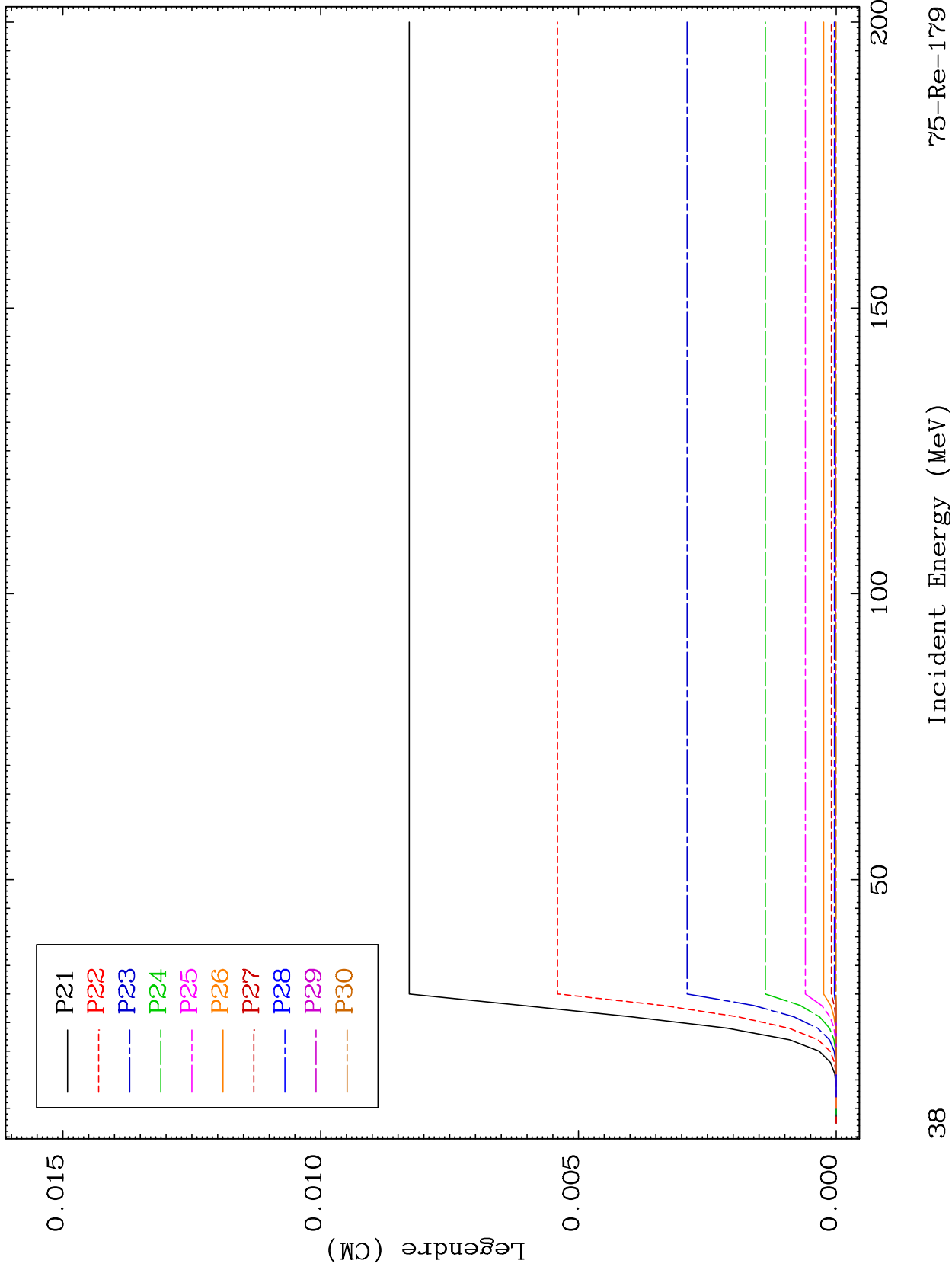
75-Re-179

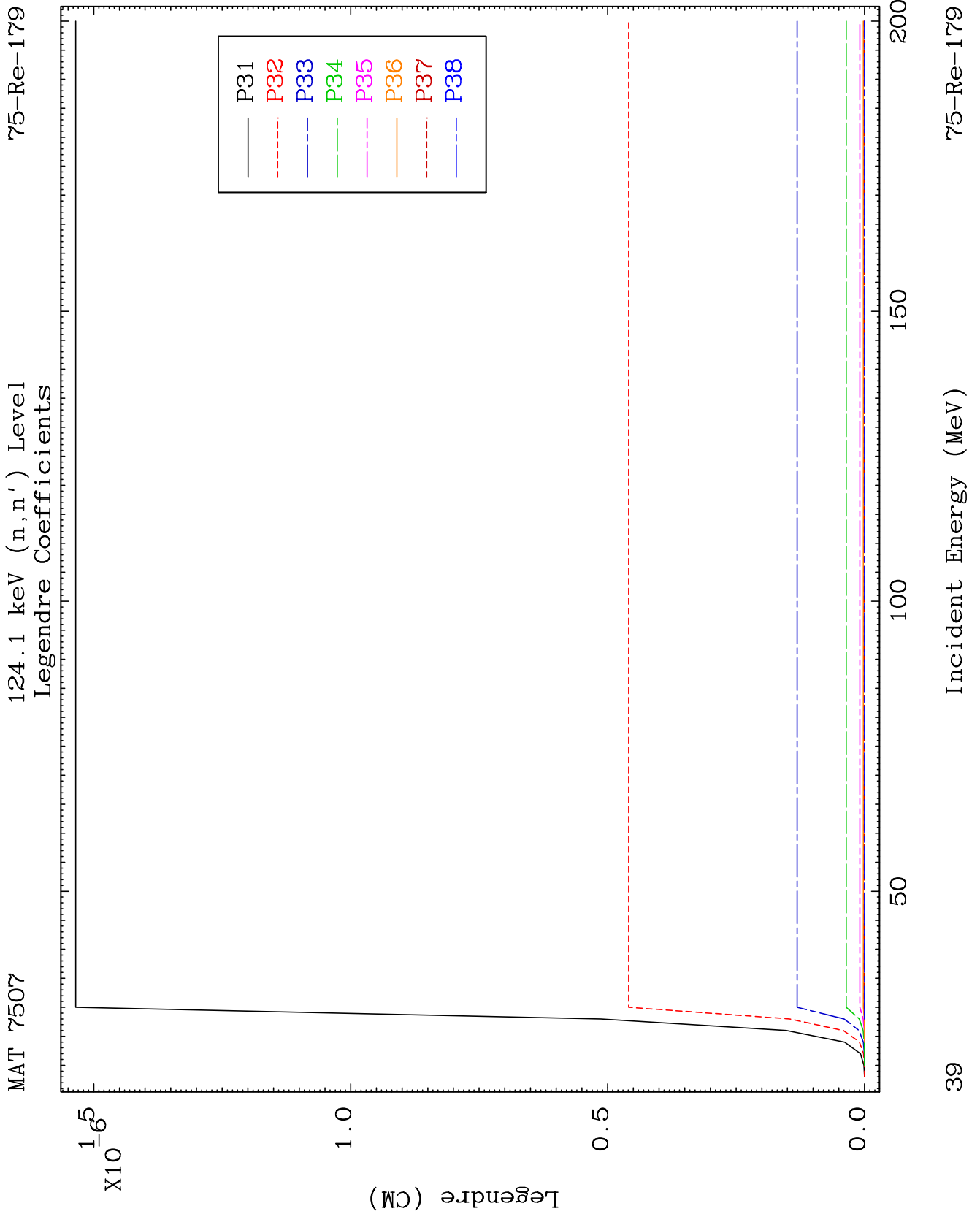


37

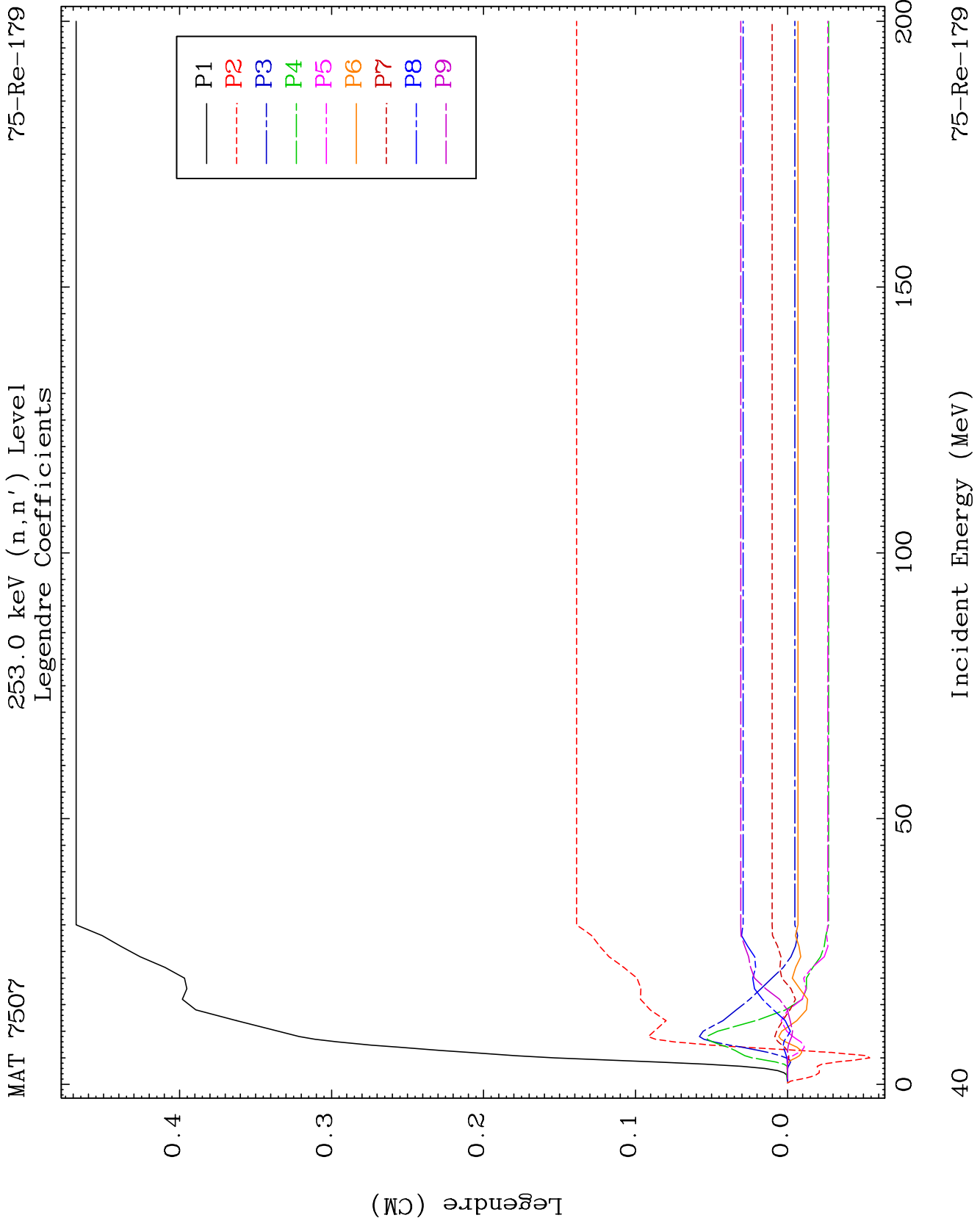
Incident Energy (MeV)

75-Re-179





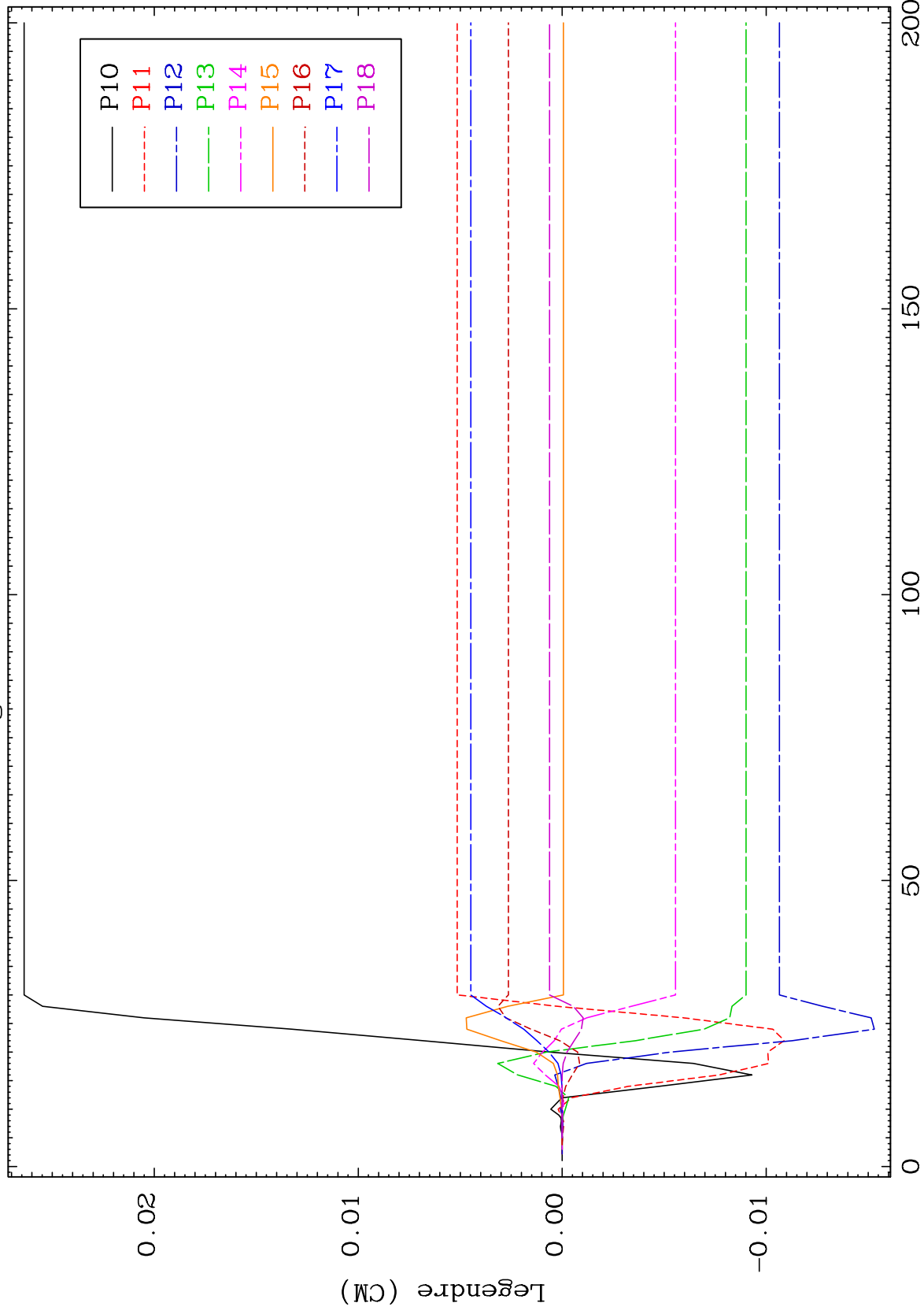




MAT 7507

253.0 keV (n,n') Level  
Legendre Coefficients

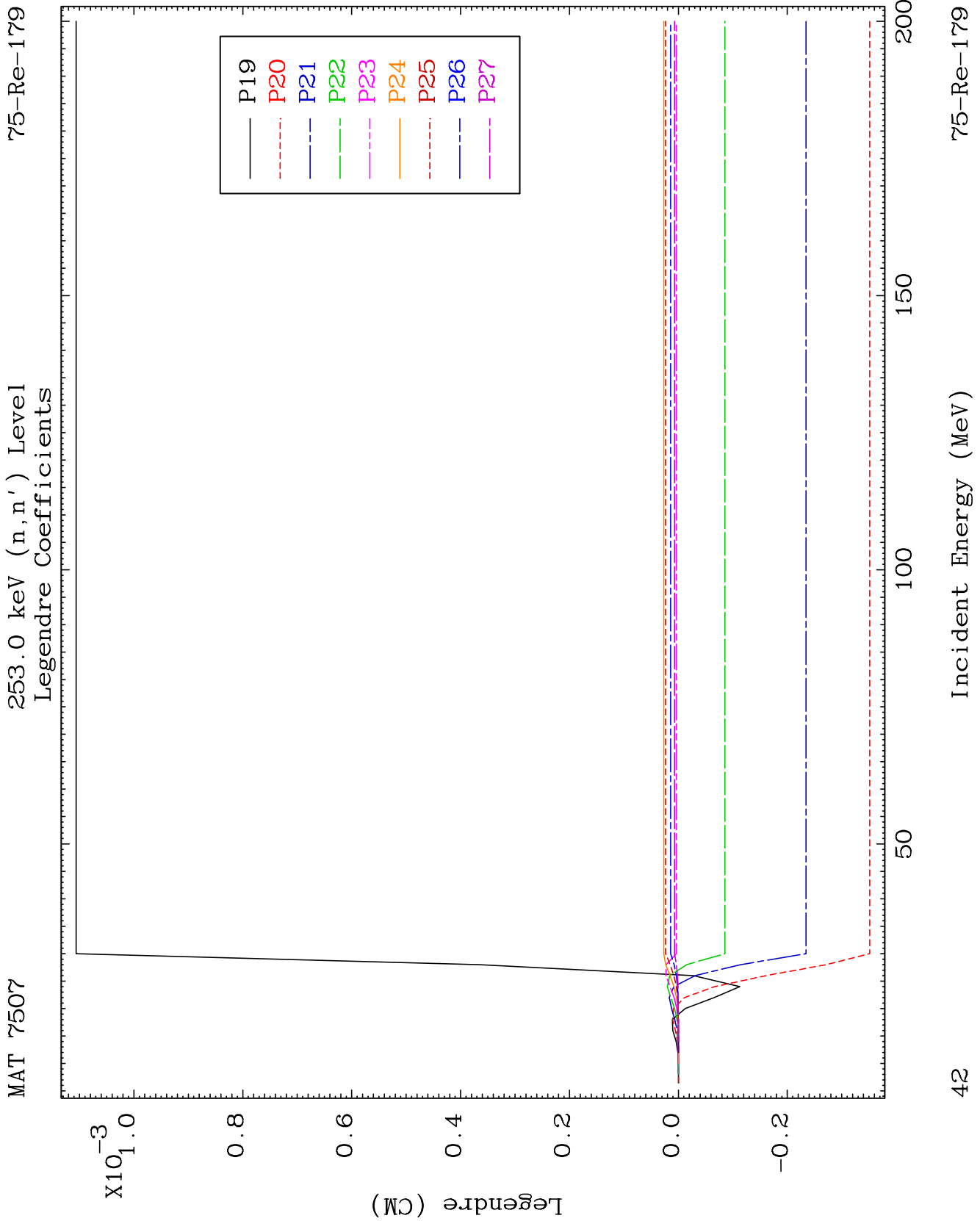
75-Re-179

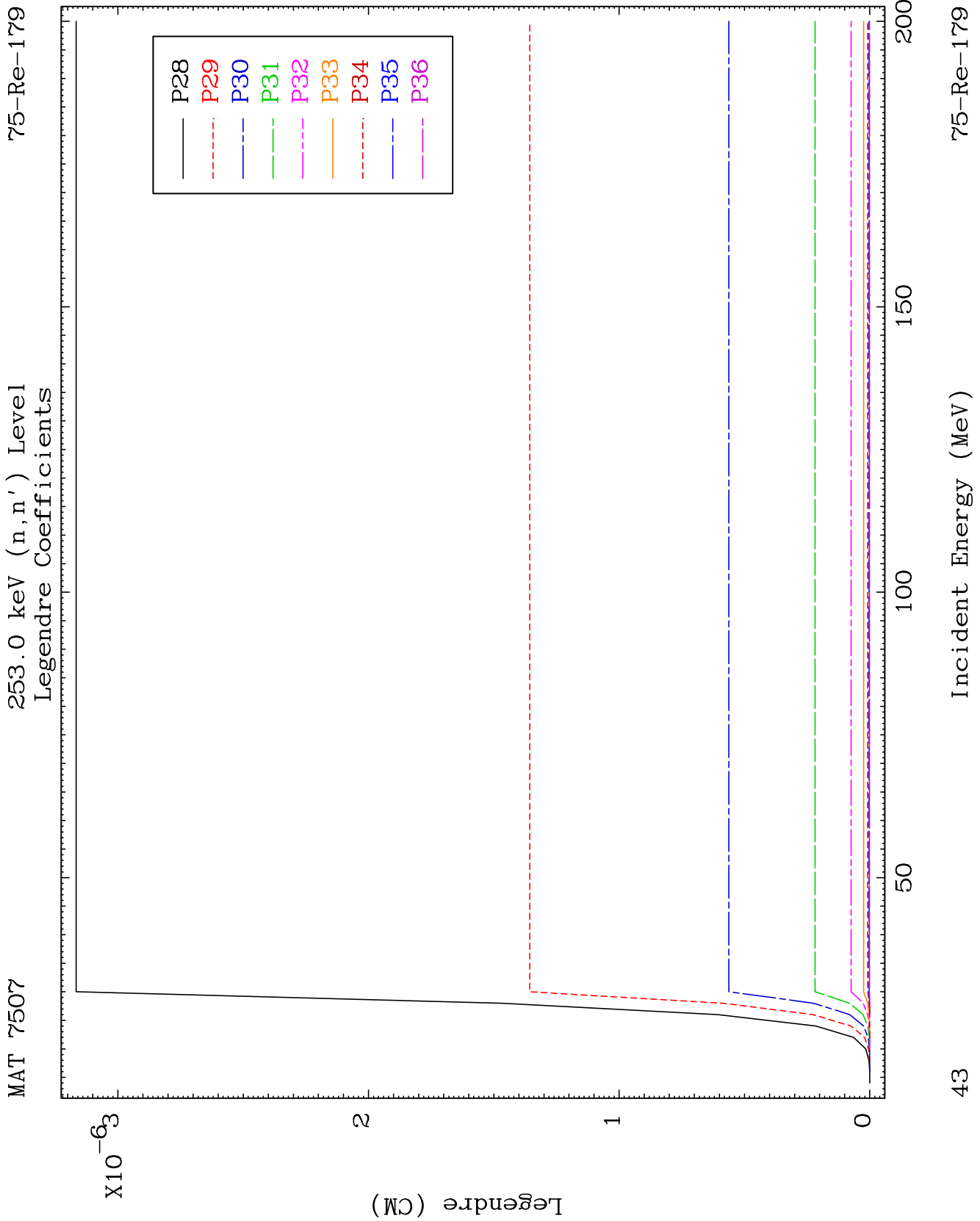


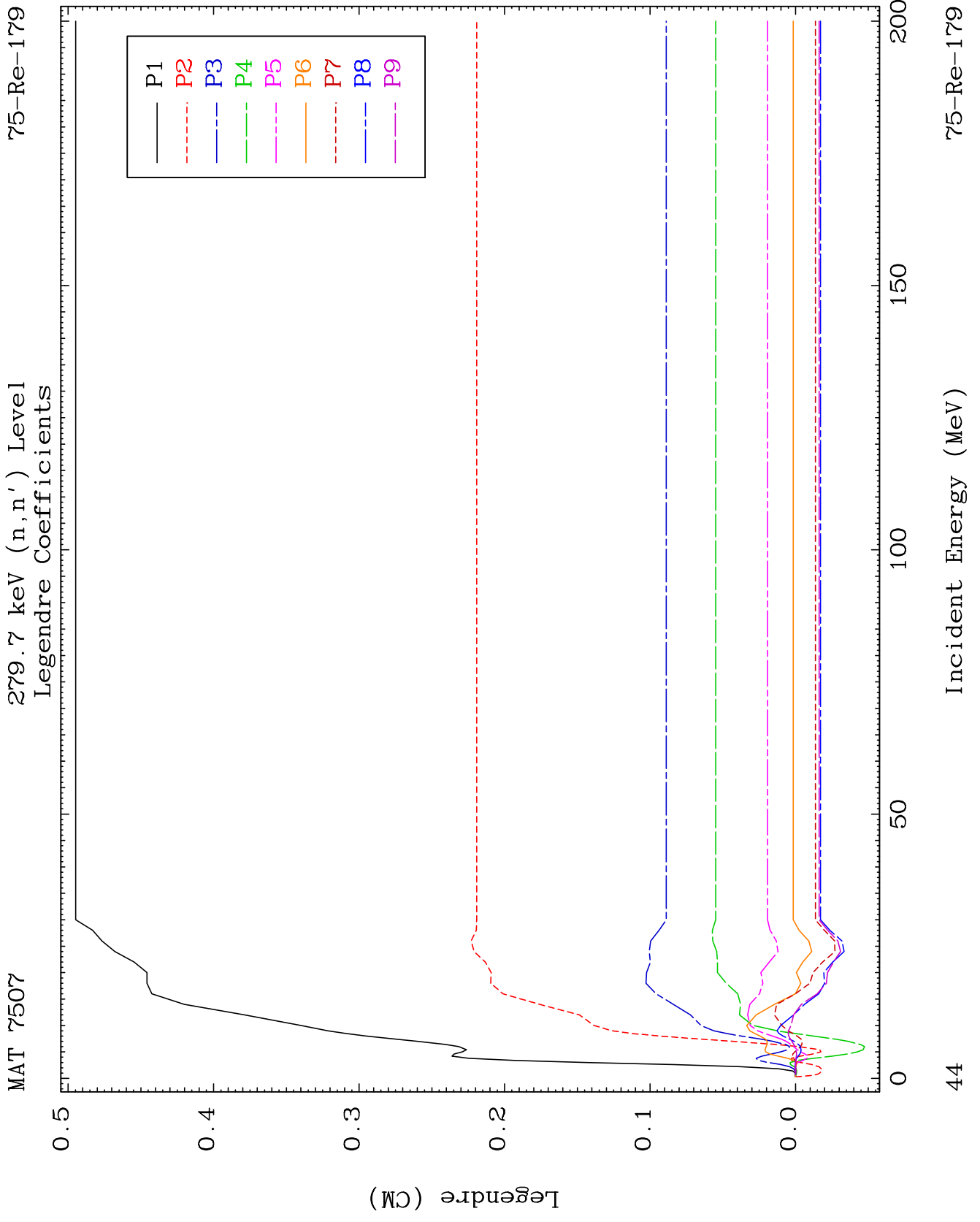
41

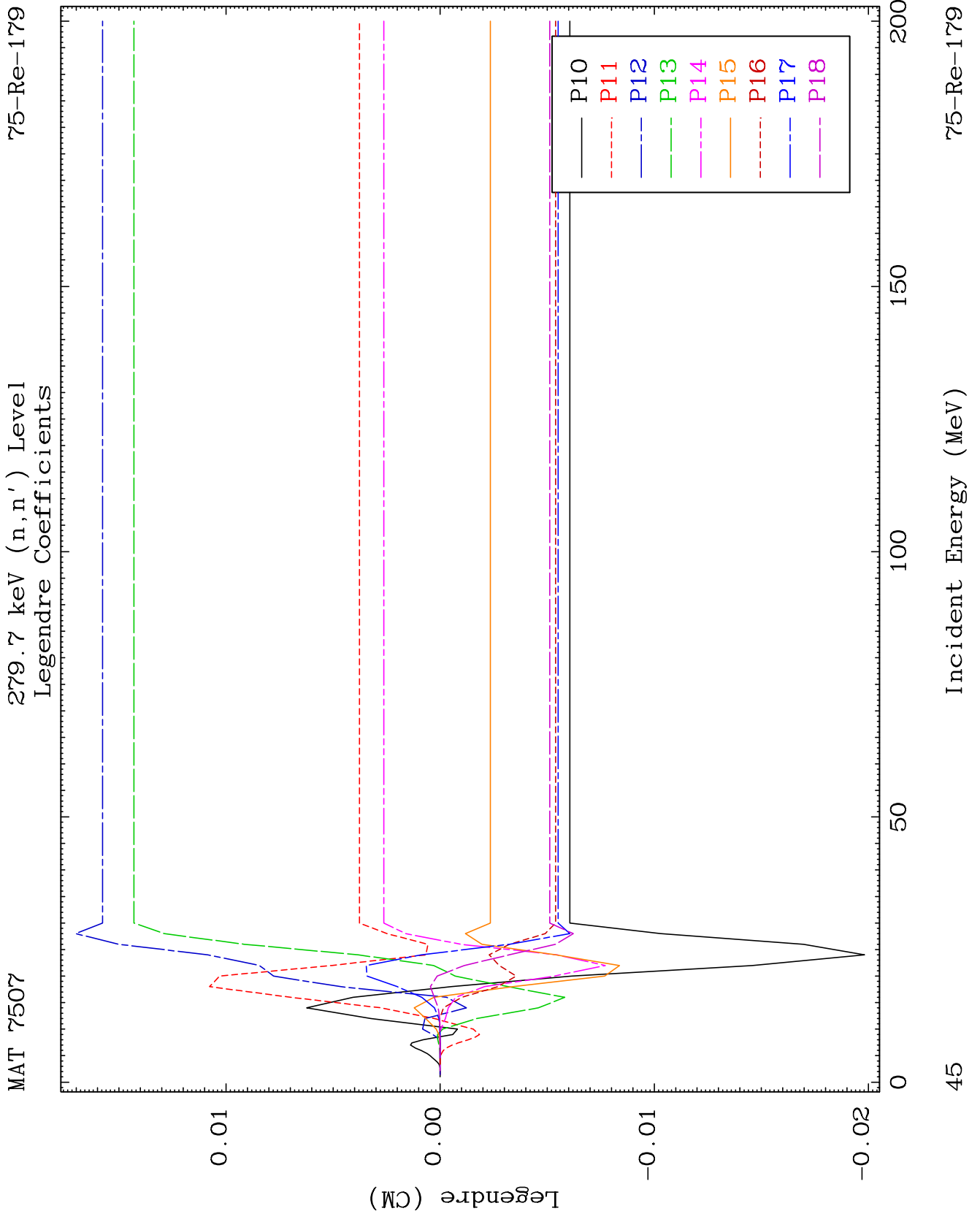
Incident Energy (MeV)

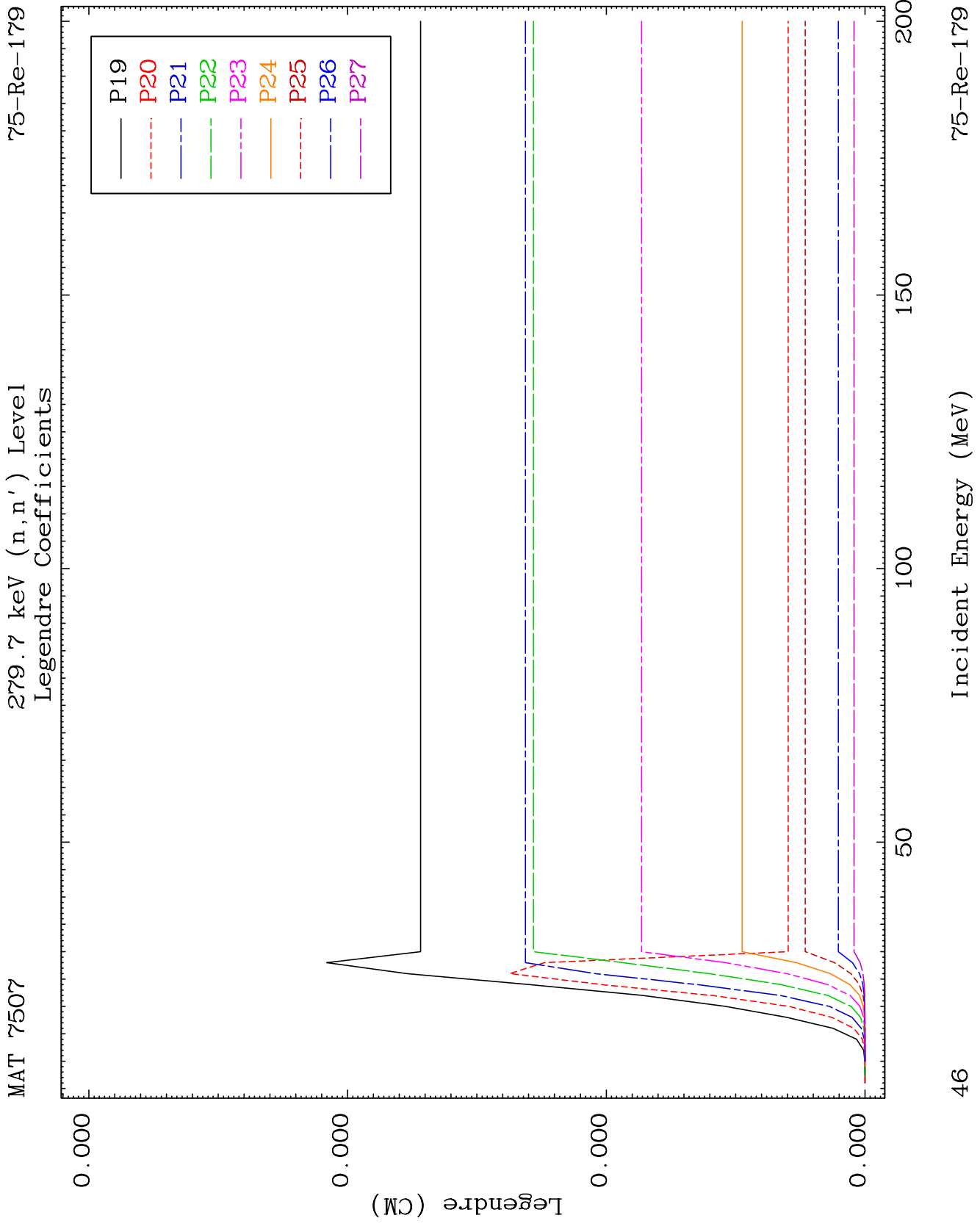
75-Re-179

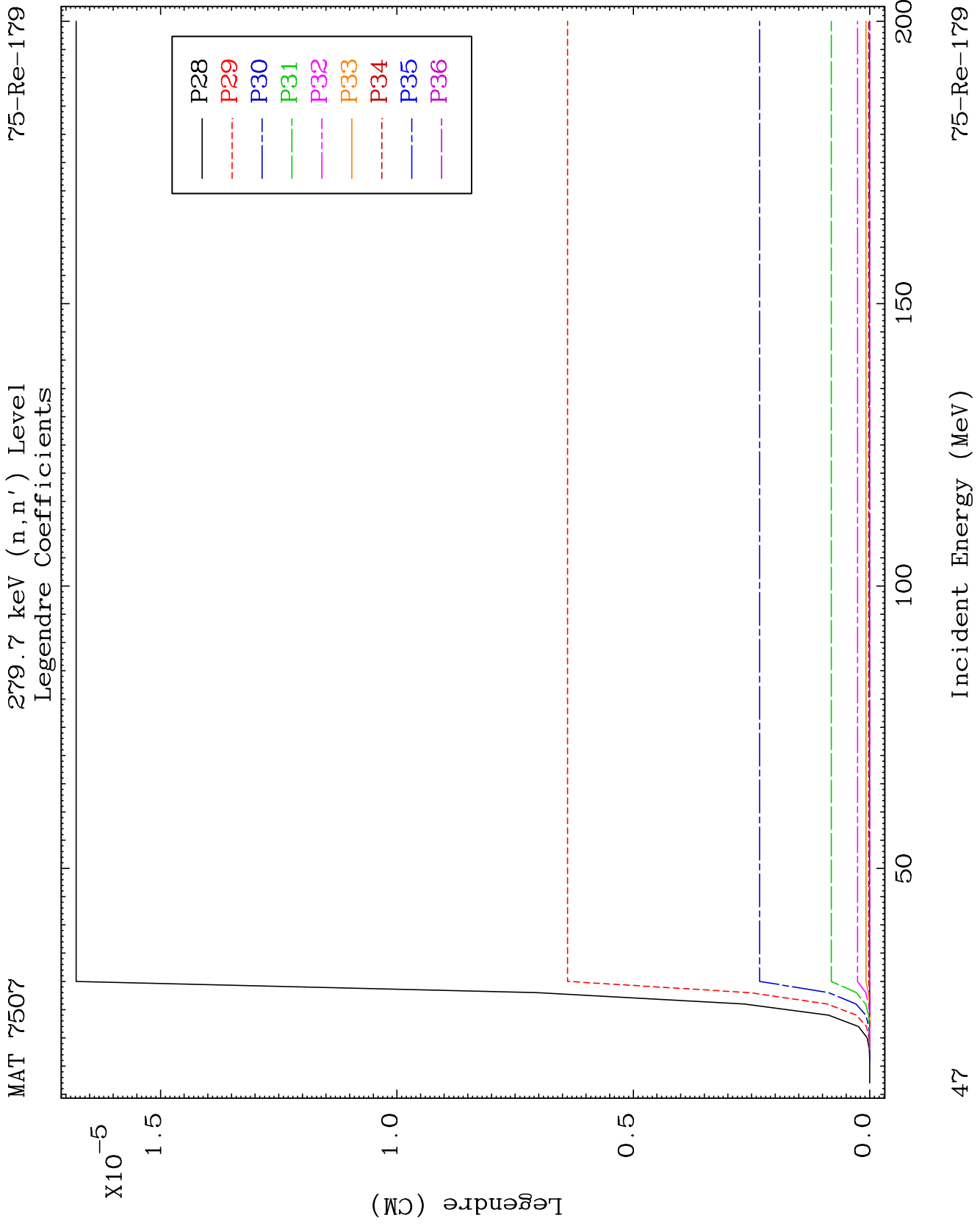










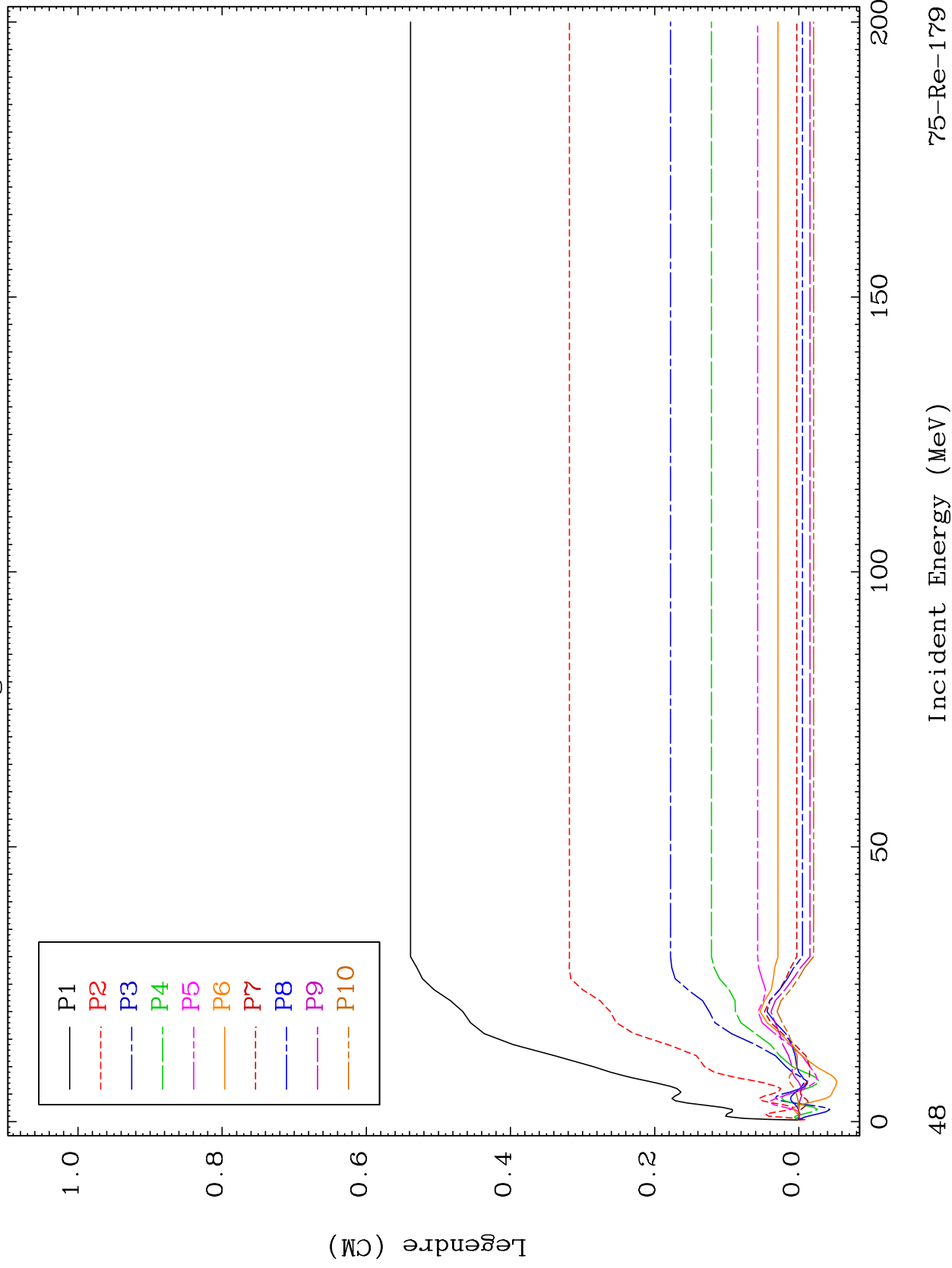




MAT 7507

284.0 keV (n, n') Level  
Legendre Coefficients

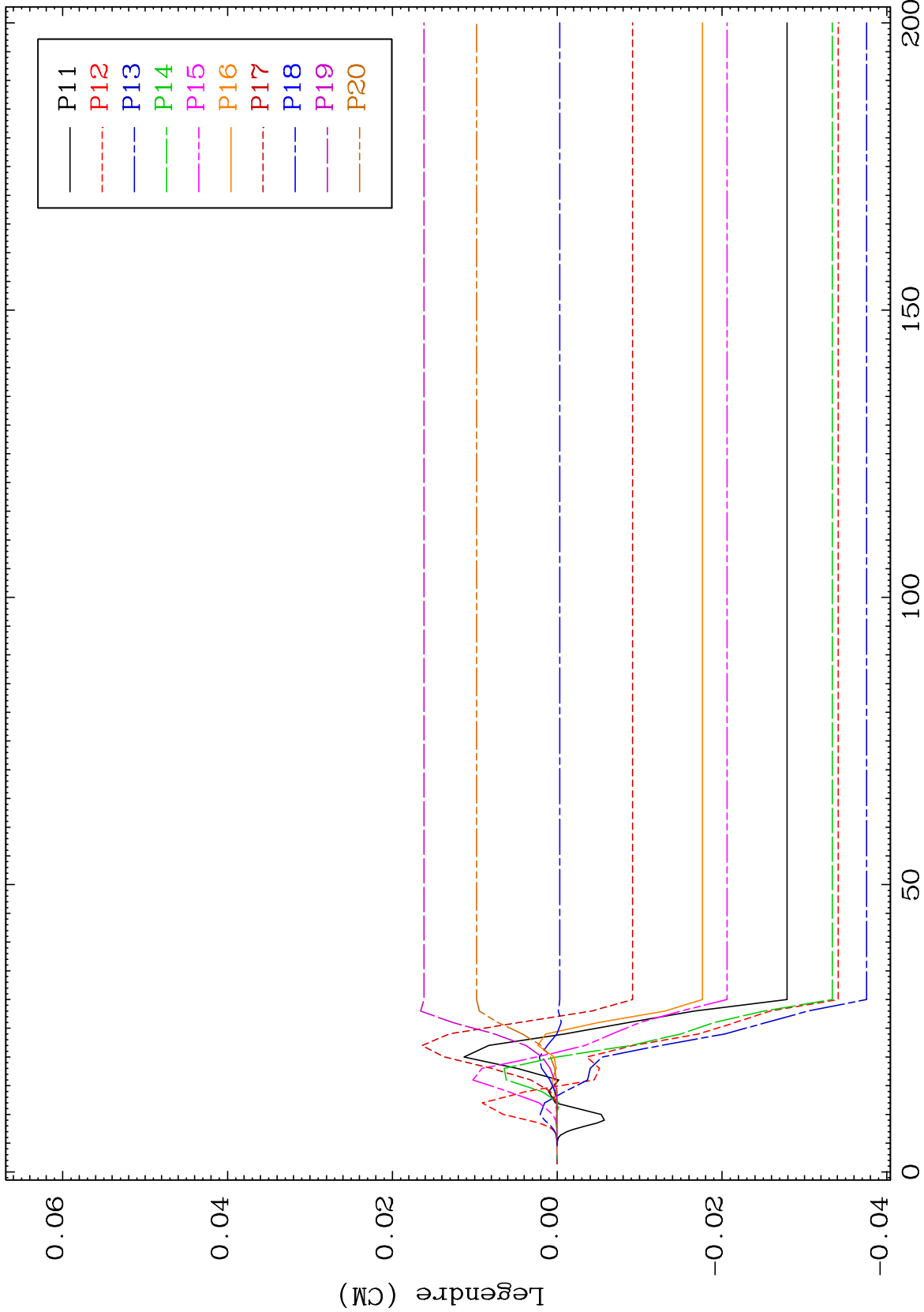
75-Re-179



MAT 7507

284.0 keV (n,n') Level  
Legendre Coefficients

75-Re-179



49

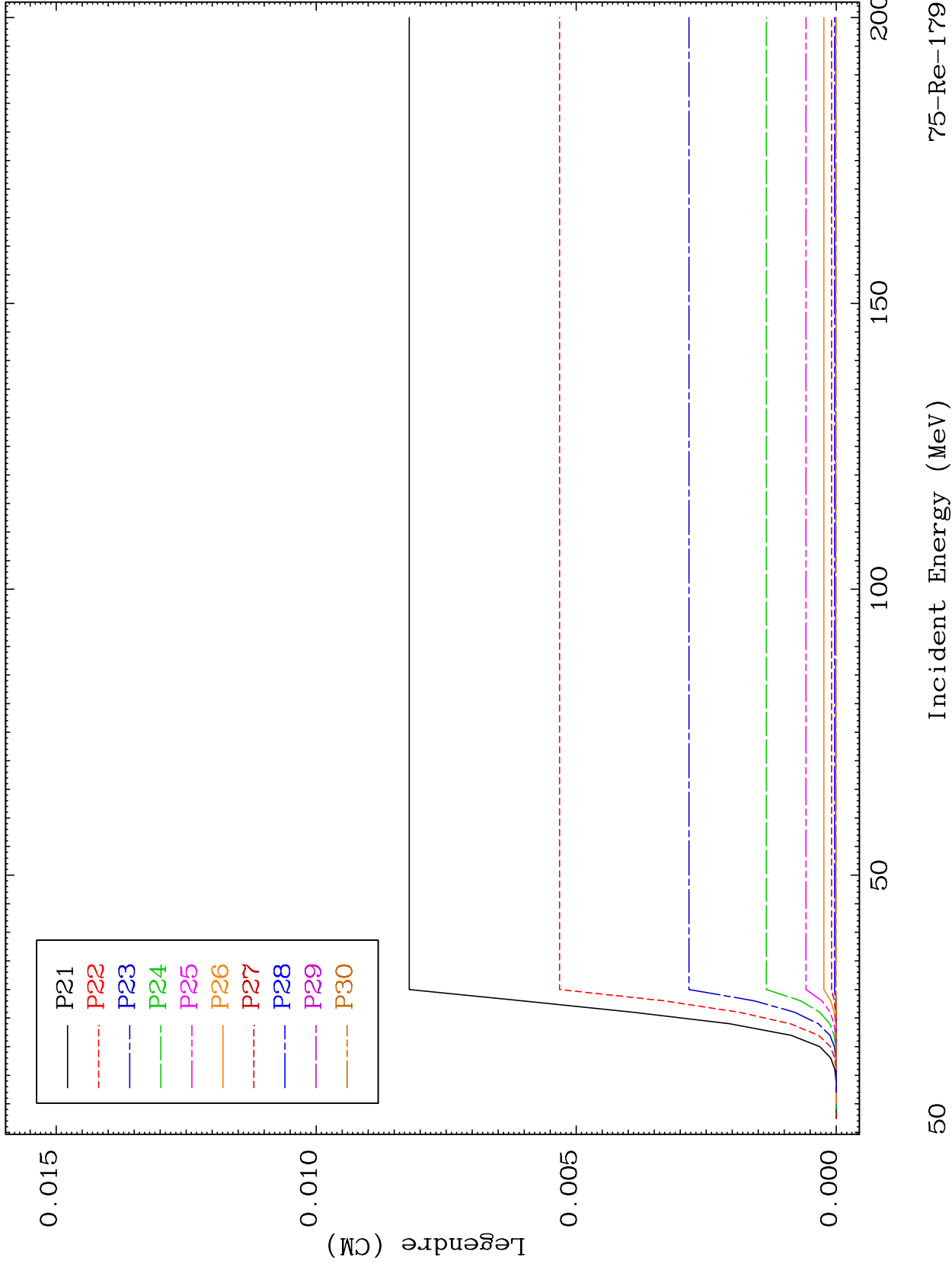
Incident Energy (MeV)

75-Re-179

MAT 7507

284.0 keV (n,n') Level  
Legendre Coefficients

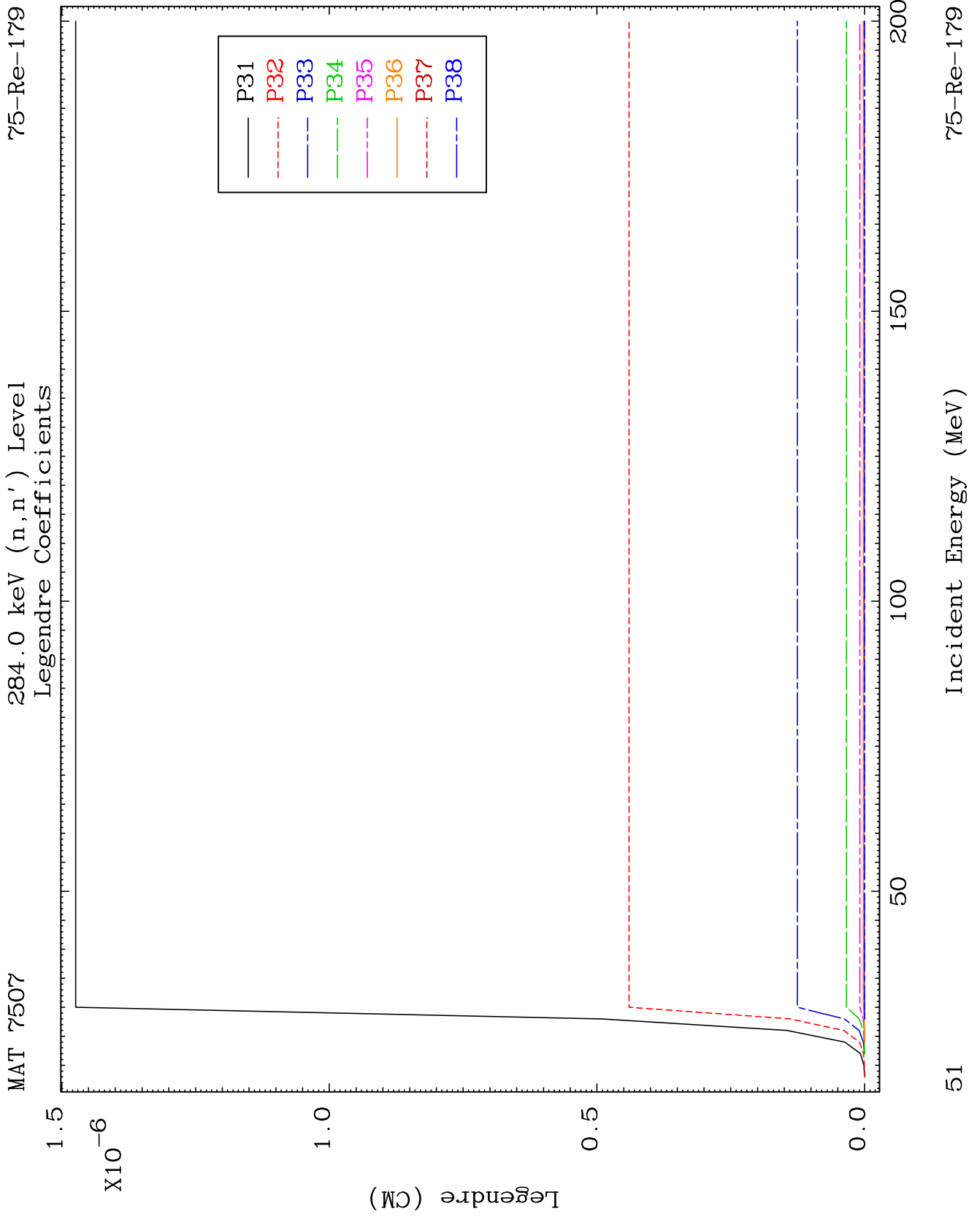
75-Re-179

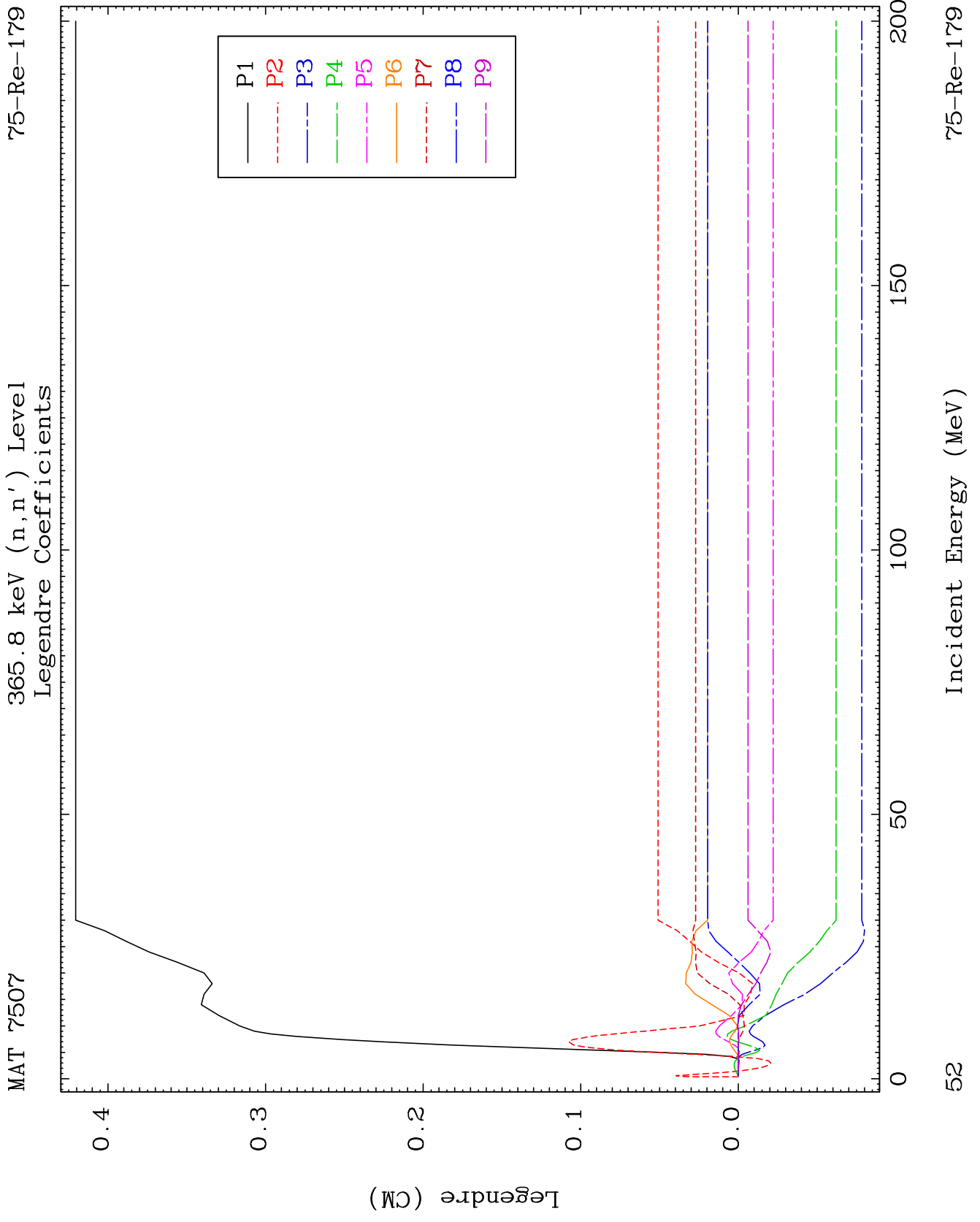


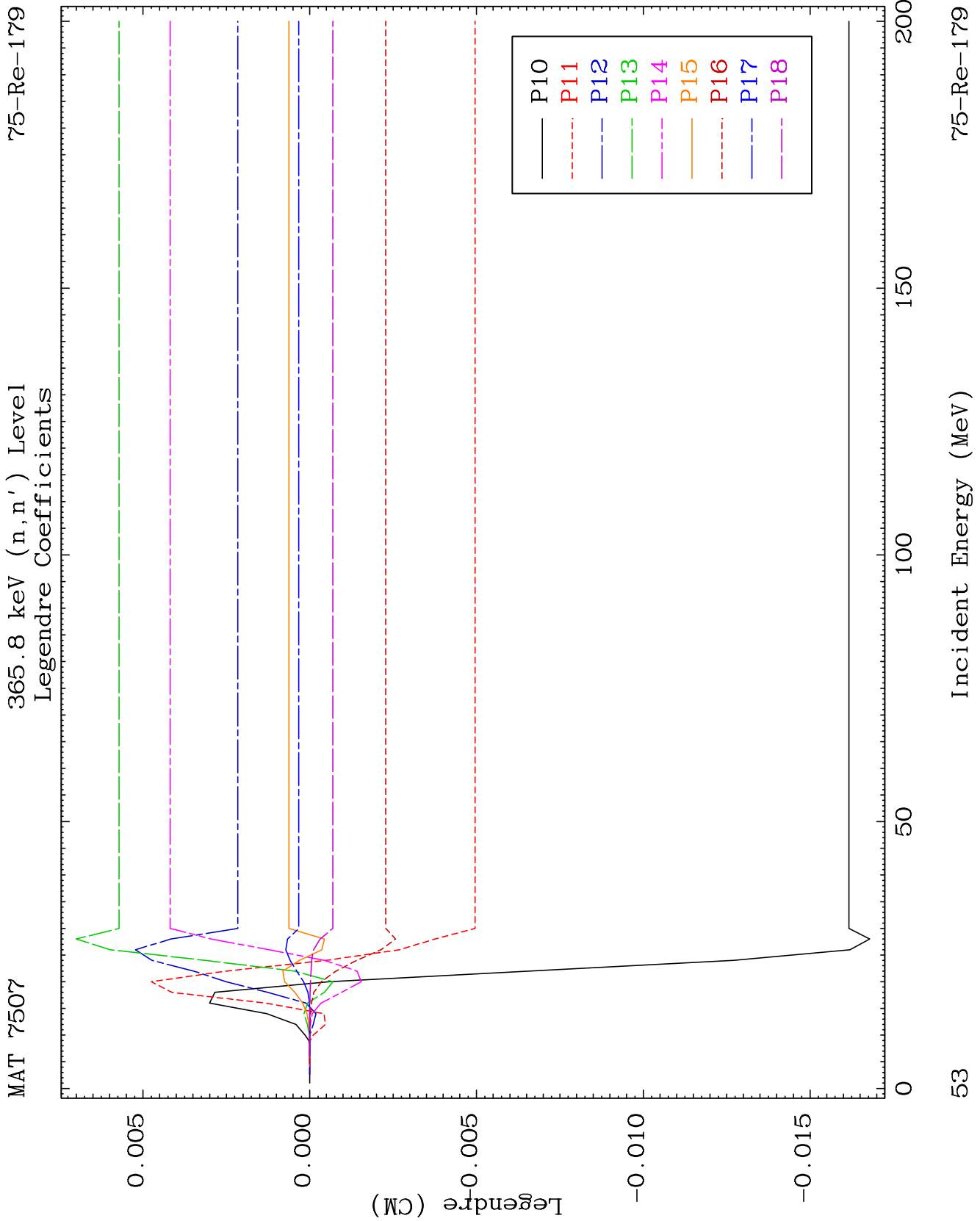
75-Re-179

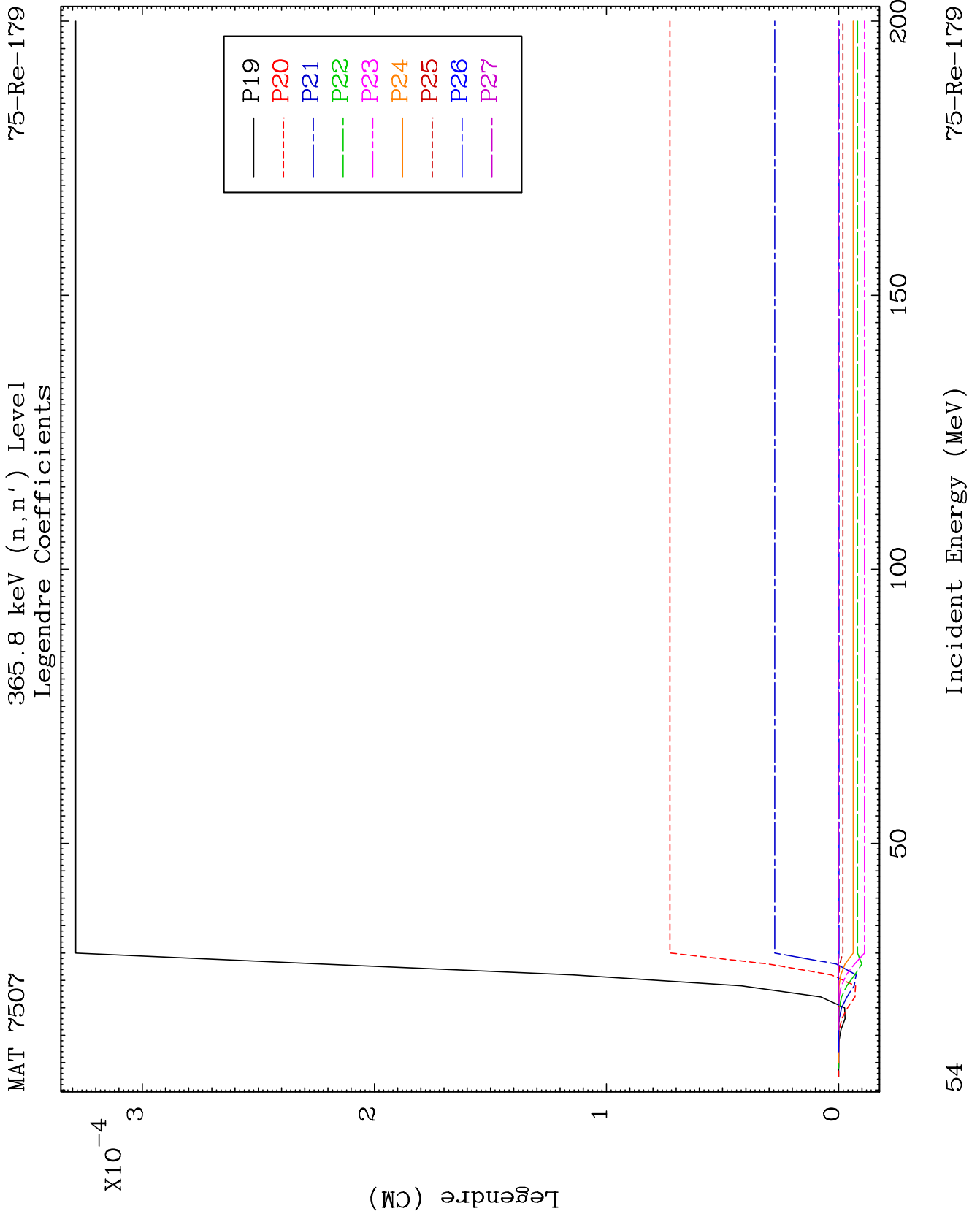
Incident Energy (MeV)

50





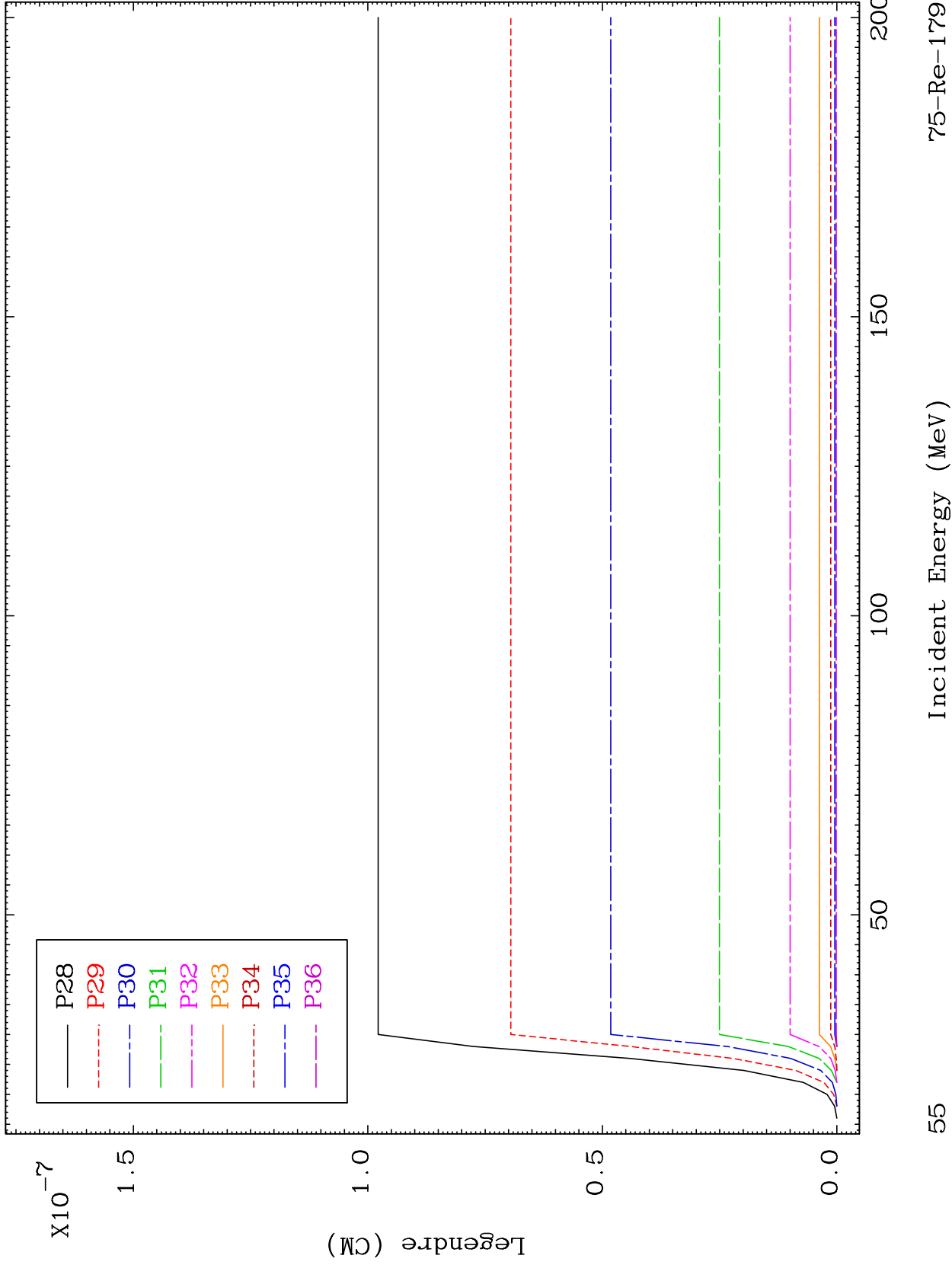




MAT 7507

365.8 keV (n,n') Level  
Legendre Coefficients

75-Re-179

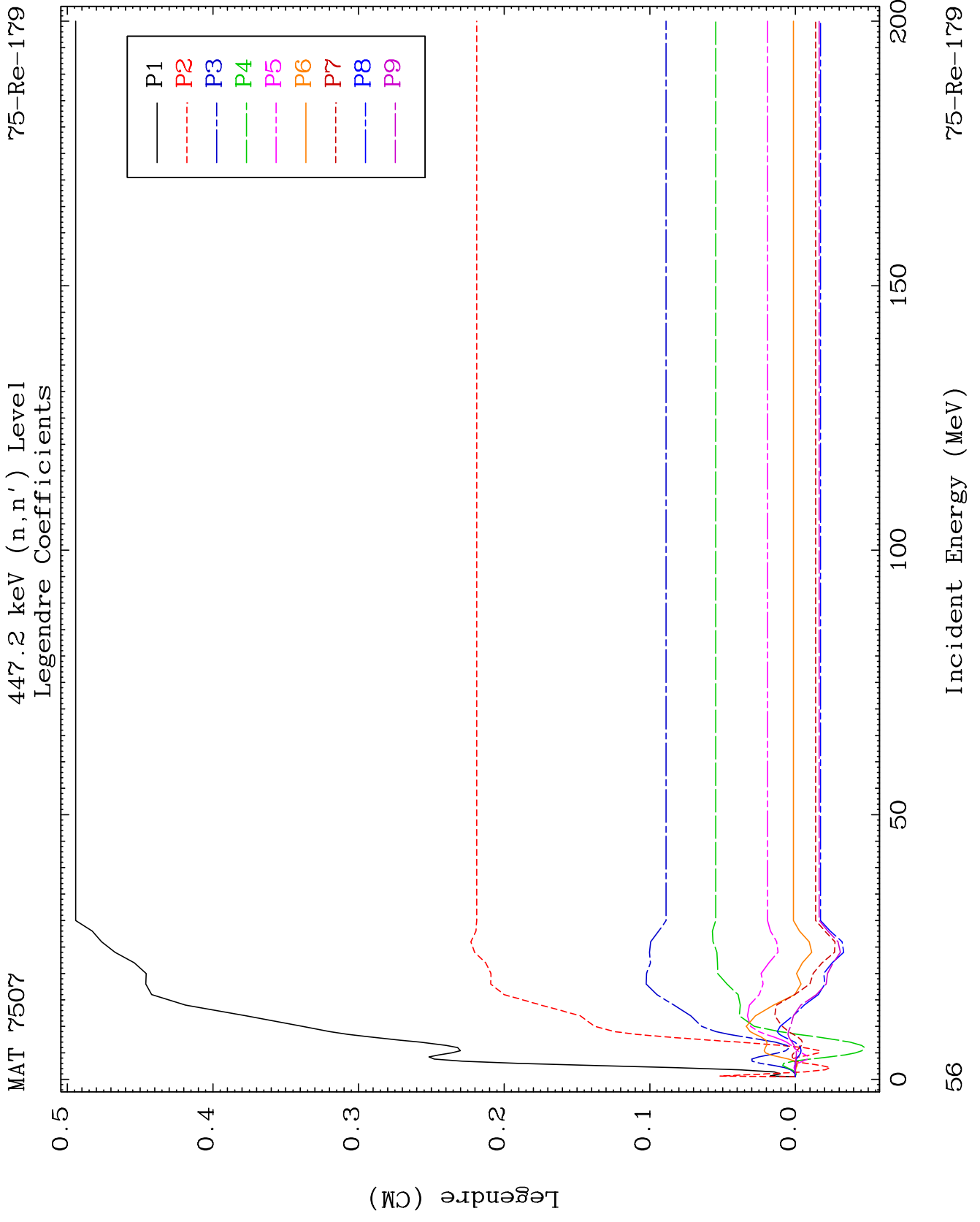


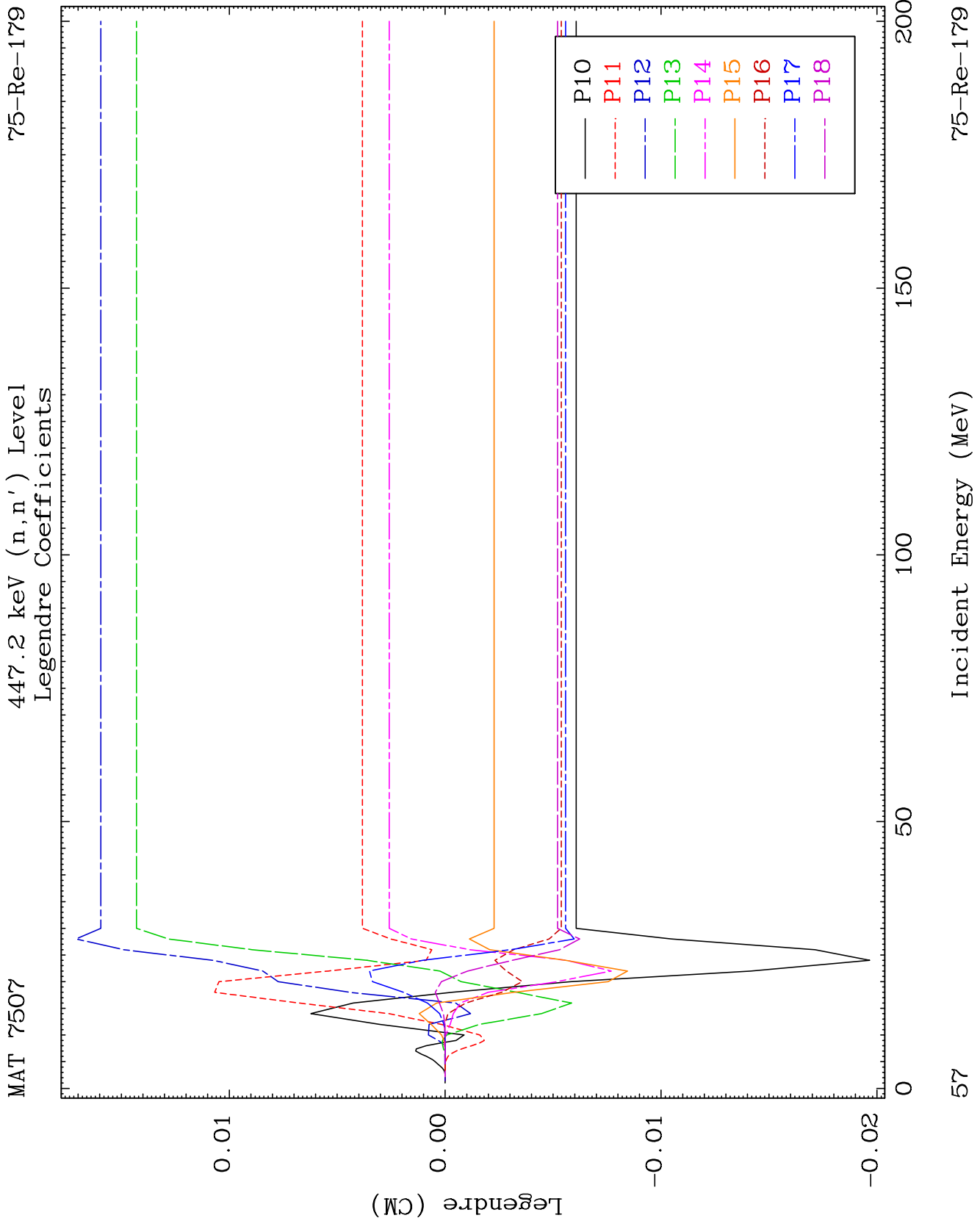
55

Incident Energy (MeV)

75-Re-179



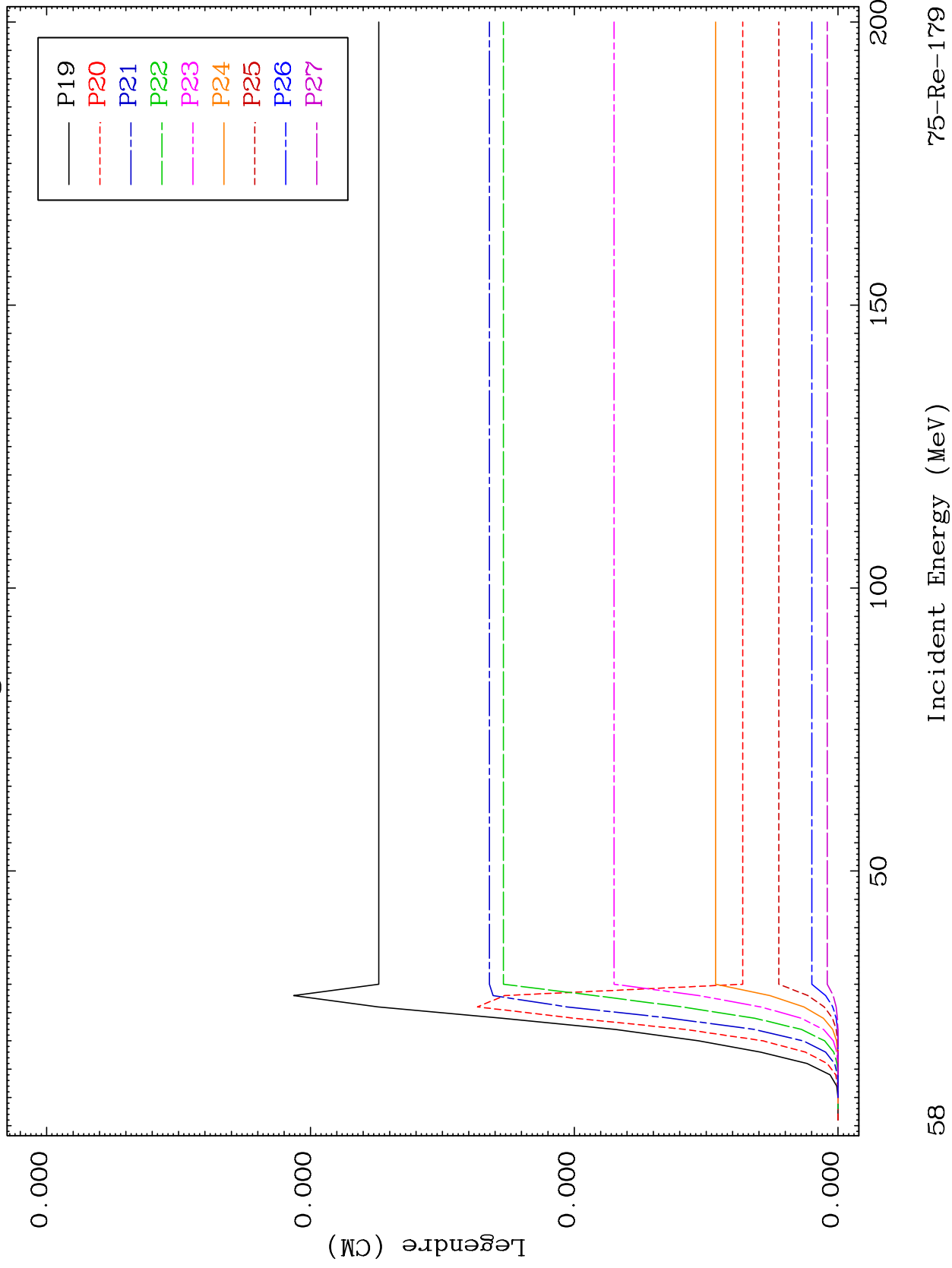




MAT 7507

447.2 keV (n,n') Level  
Legendre Coefficients

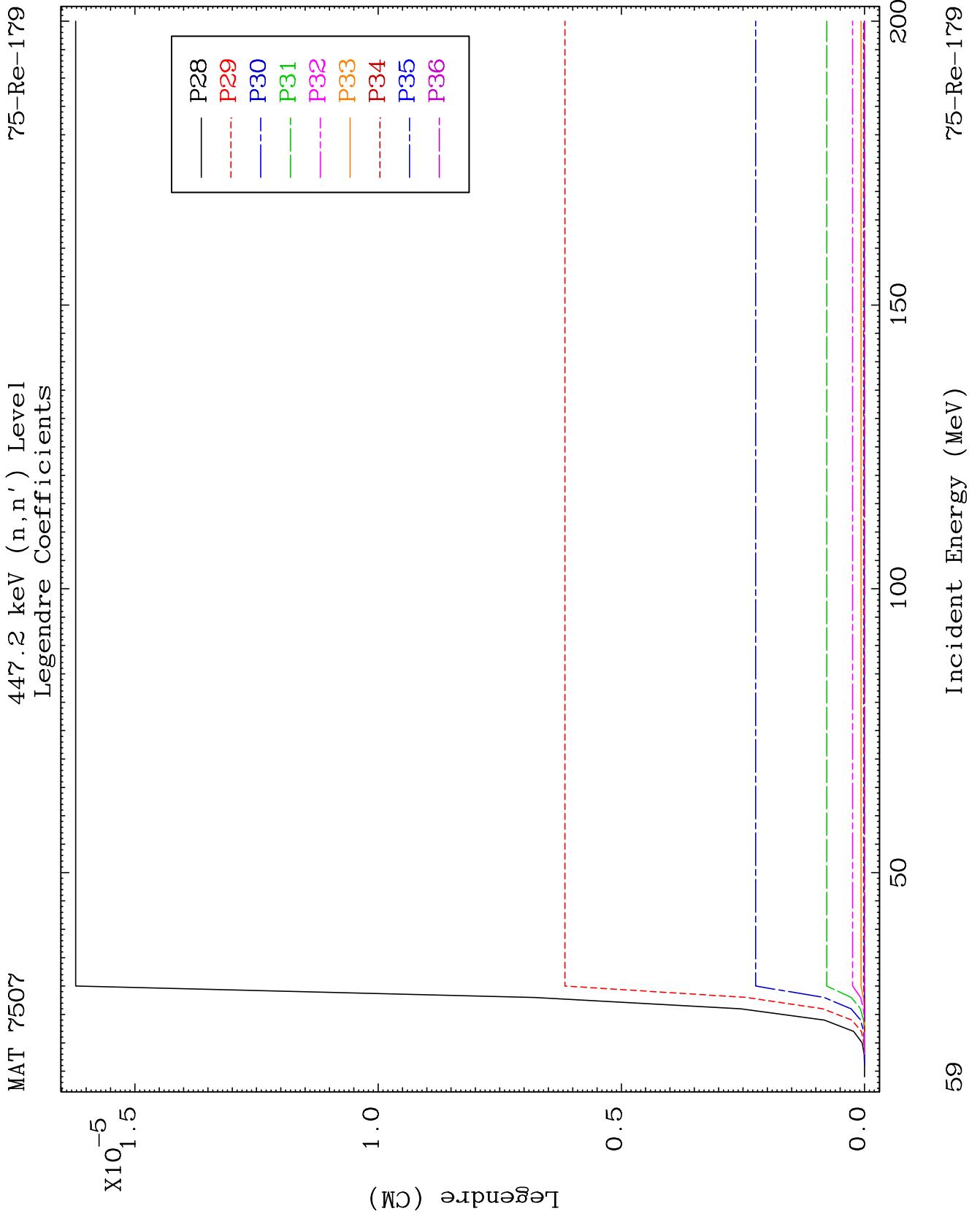
75-Re-179



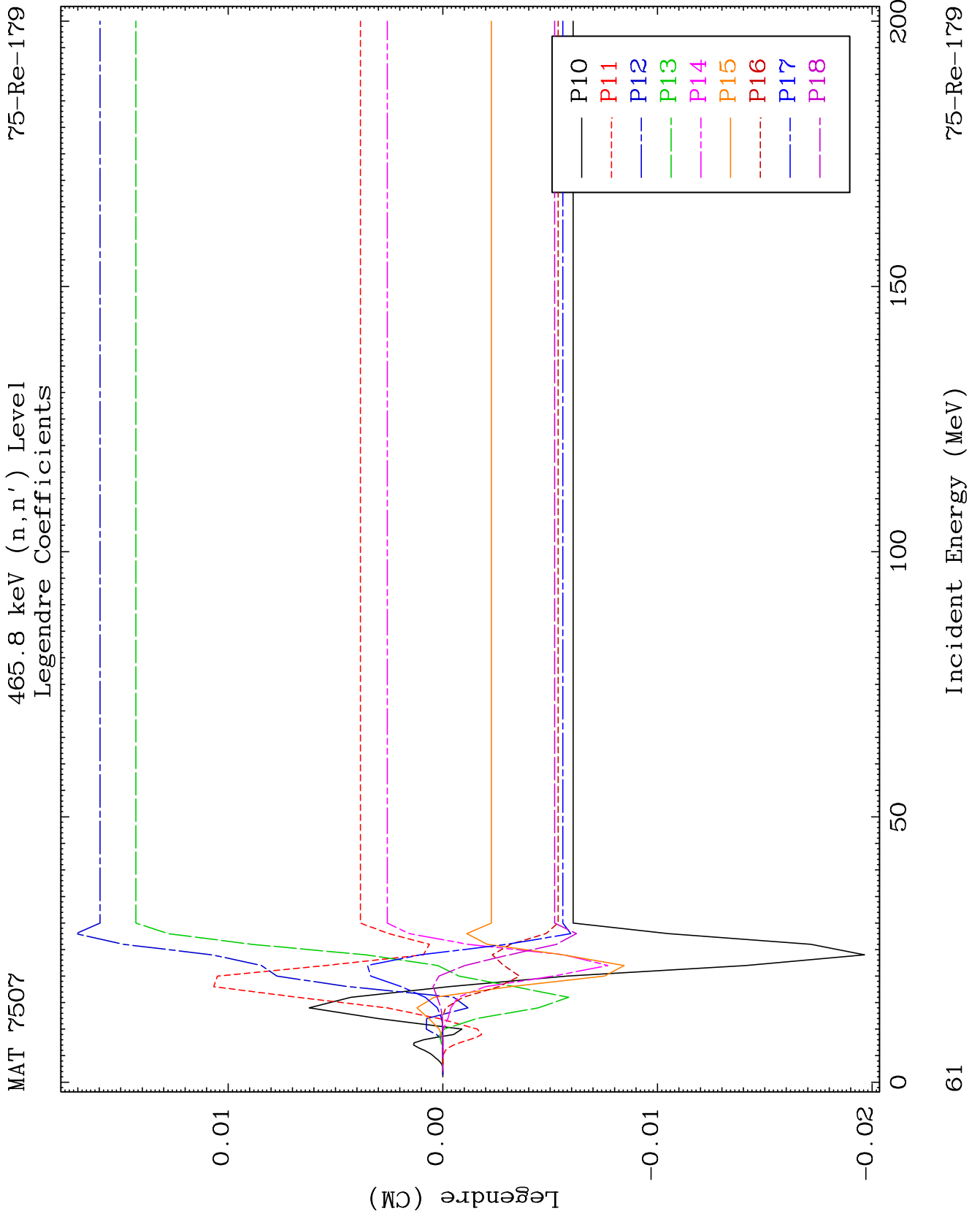
58

Incident Energy (MeV)

75-Re-179



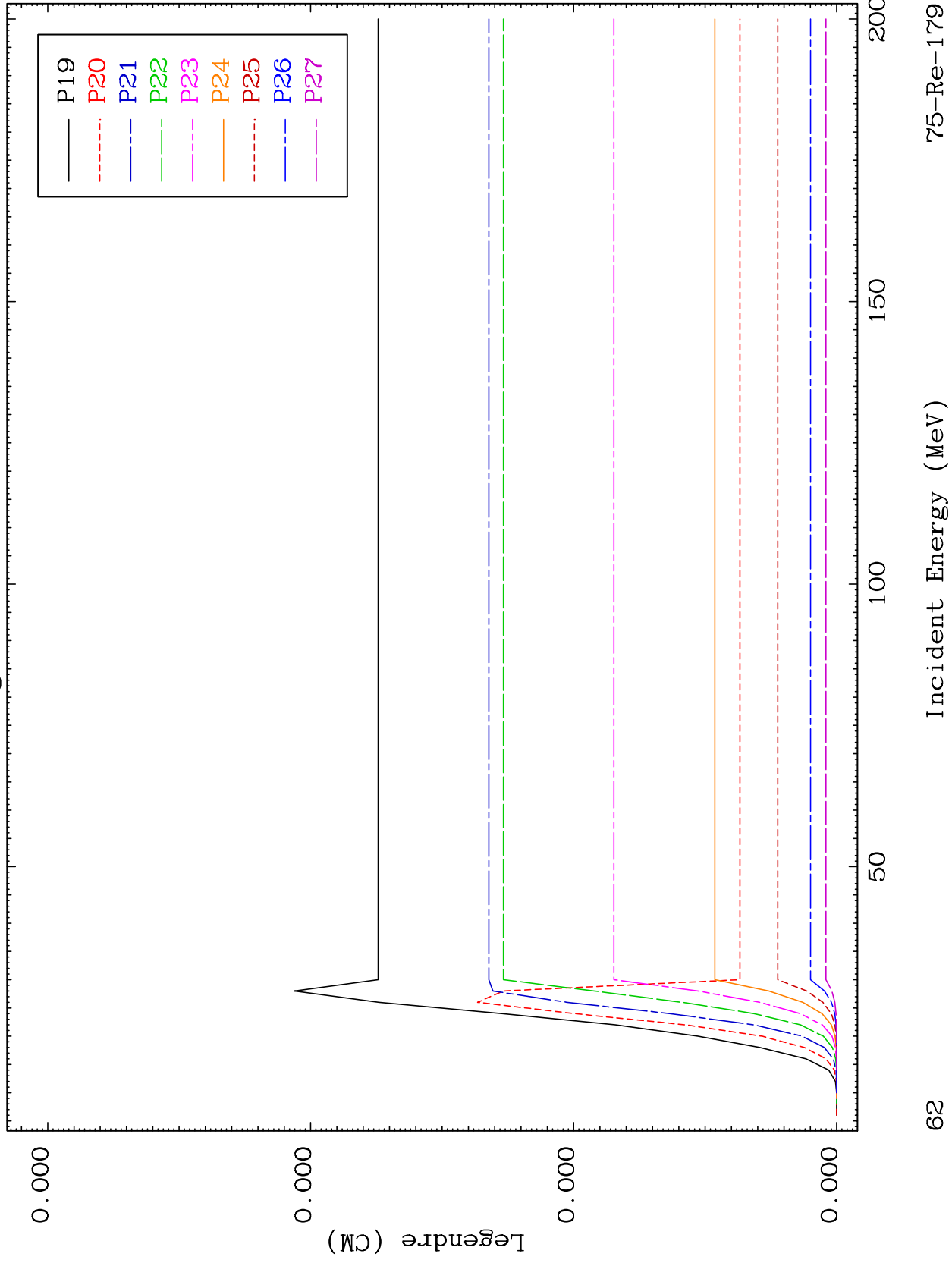




MAT 7507

465.8 keV (n,n') Level  
Legendre Coefficients

75-Re-179



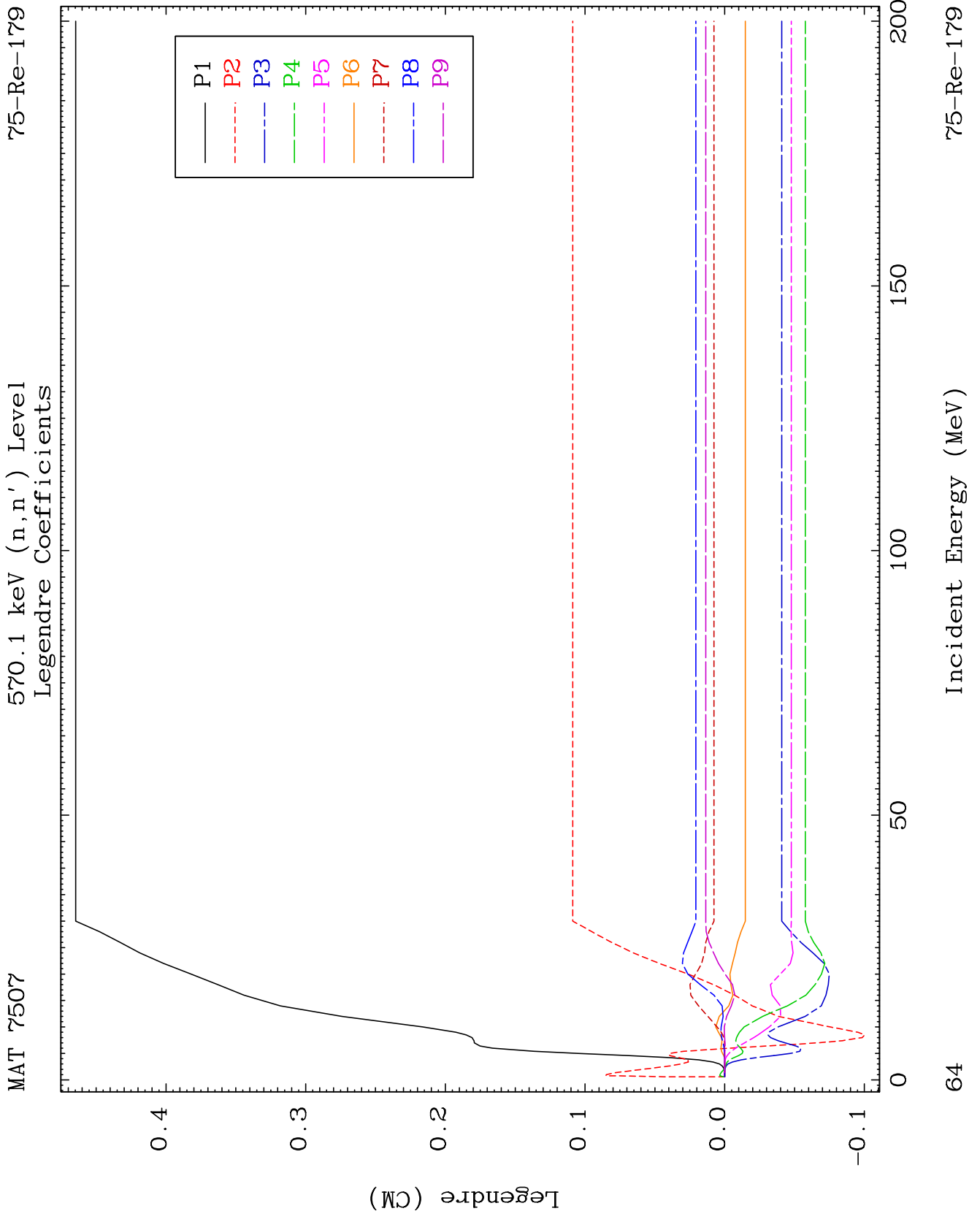
62

Incident Energy (MeV)

75-Re-179



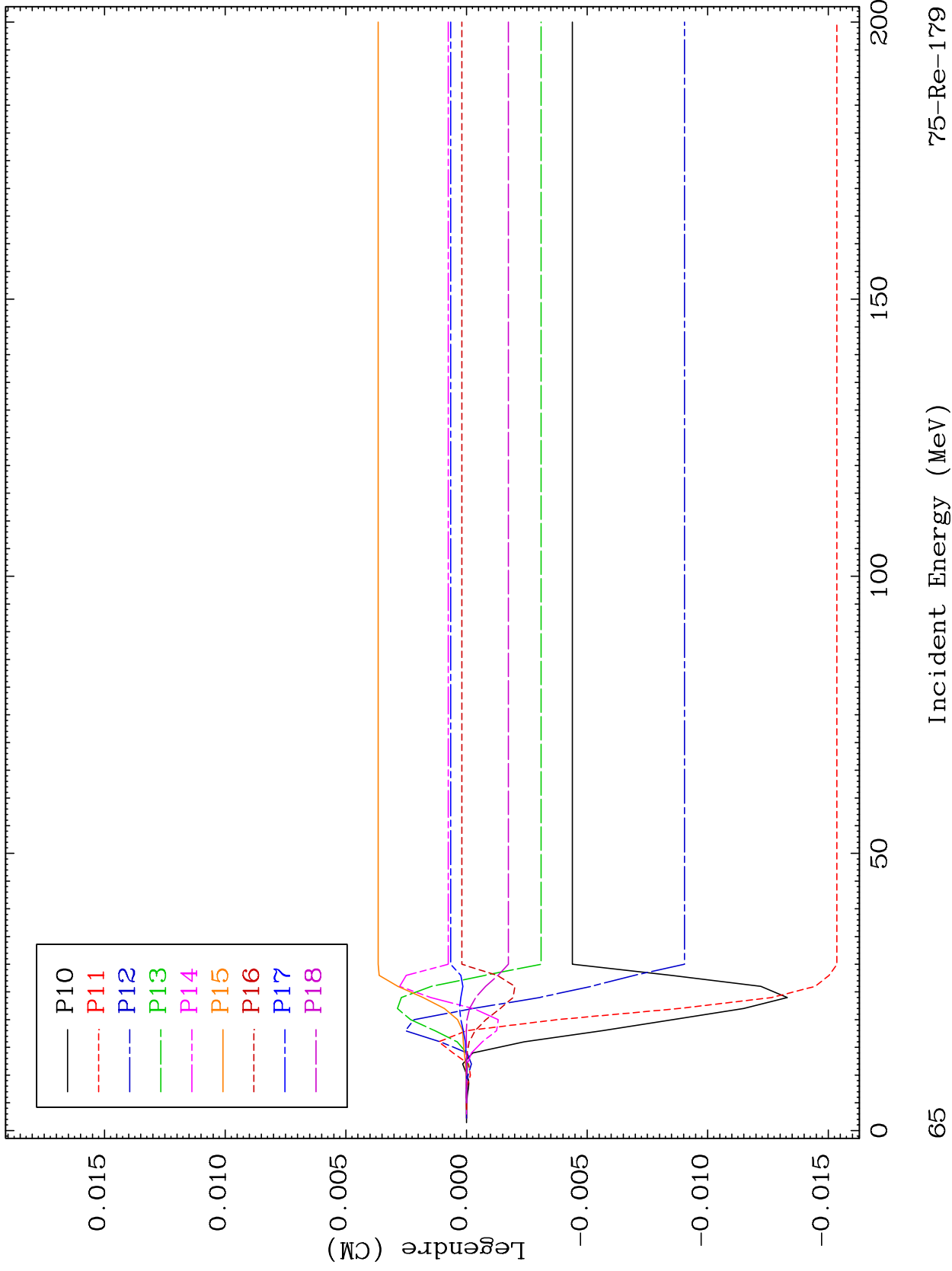




MAT 7507

570.1 keV (n,n') Level  
Legendre Coefficients

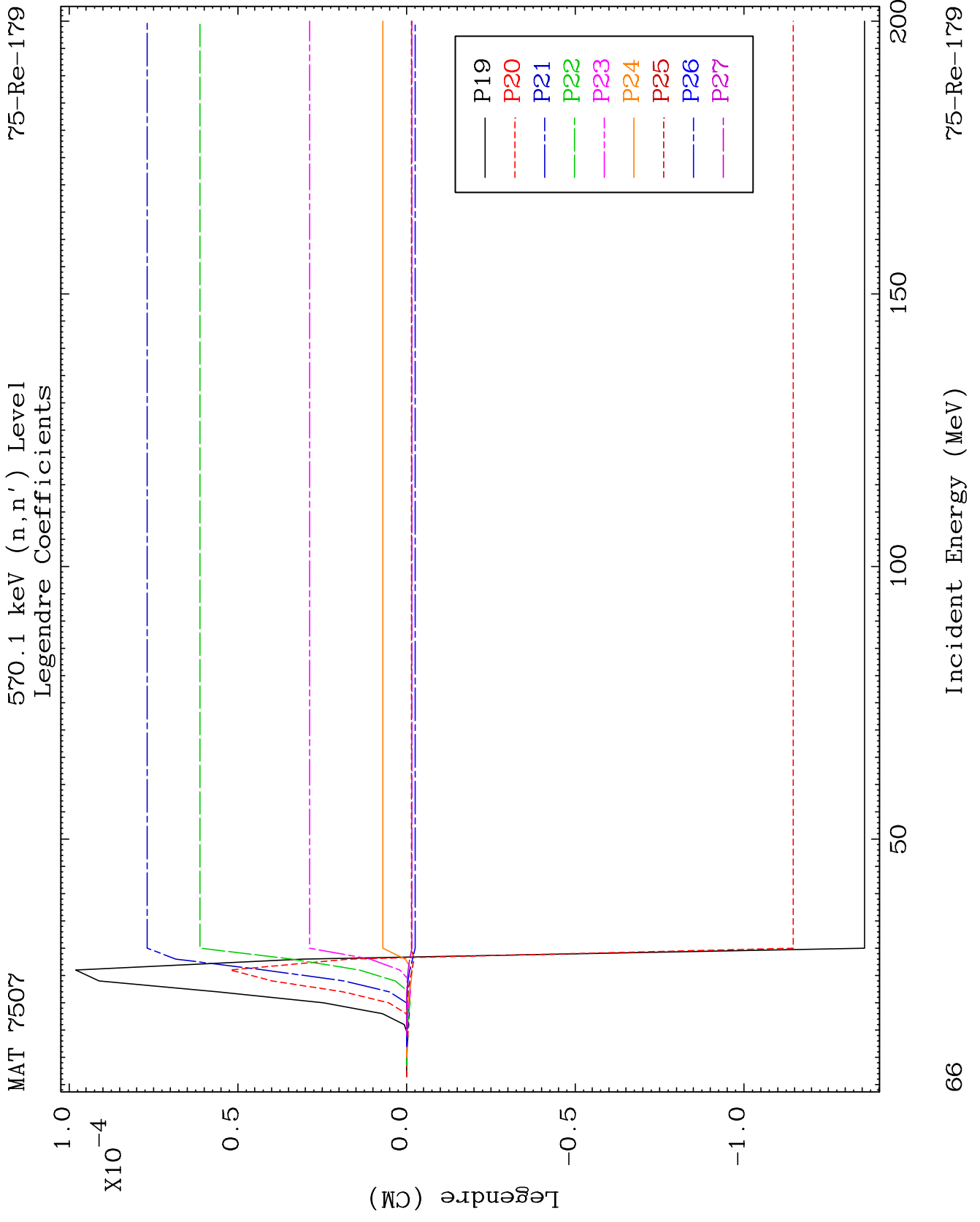
75-Re-179

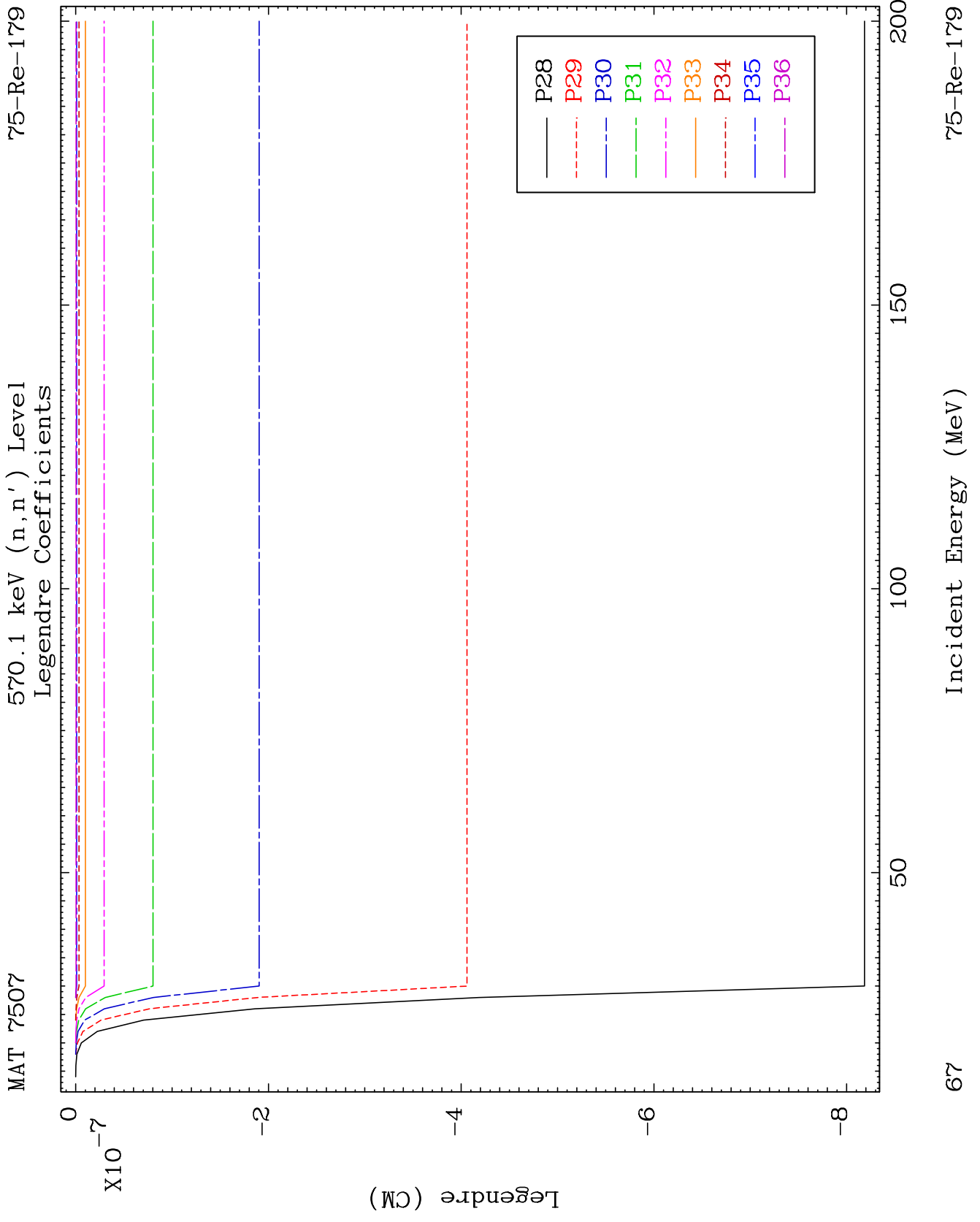


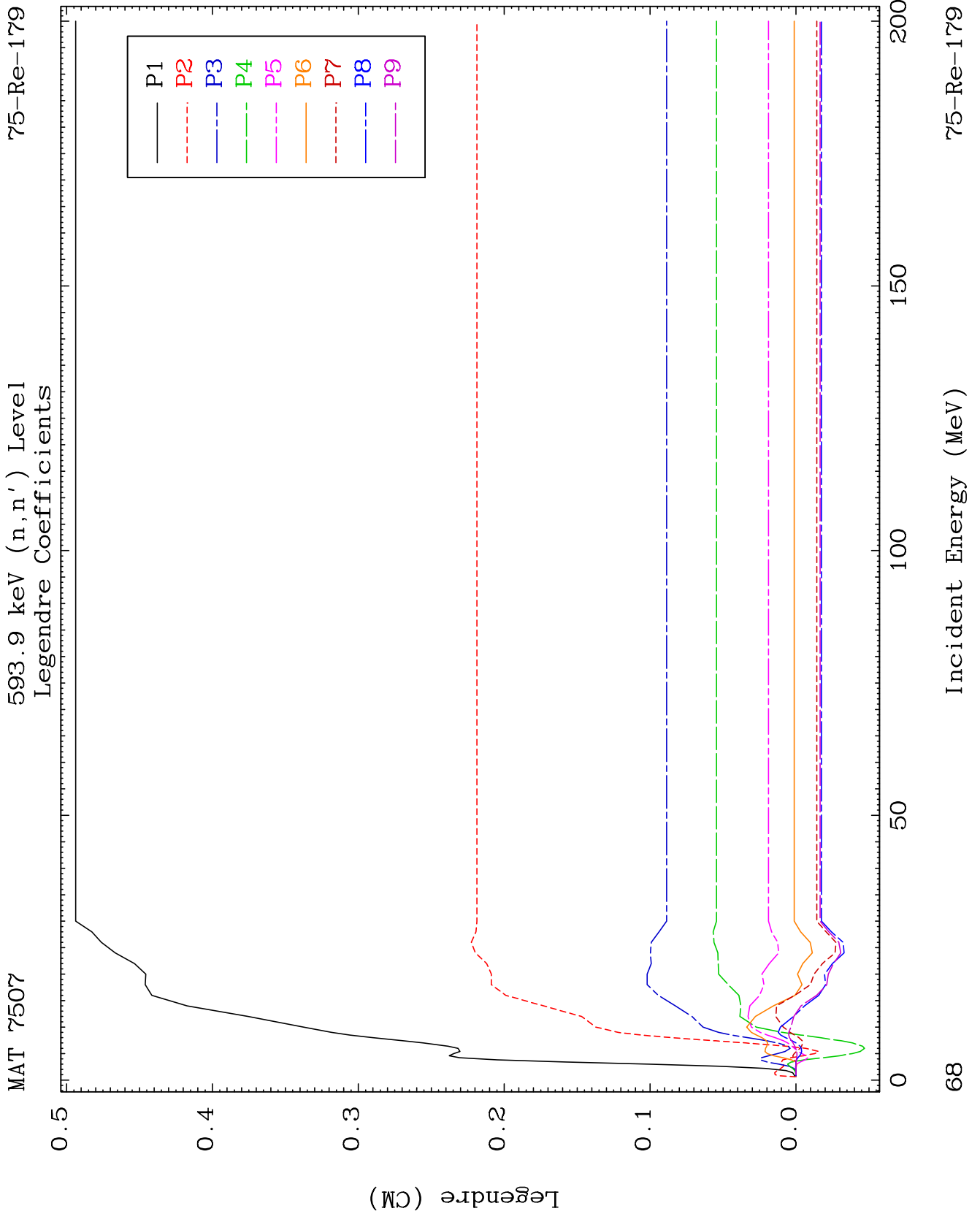
75-Re-179

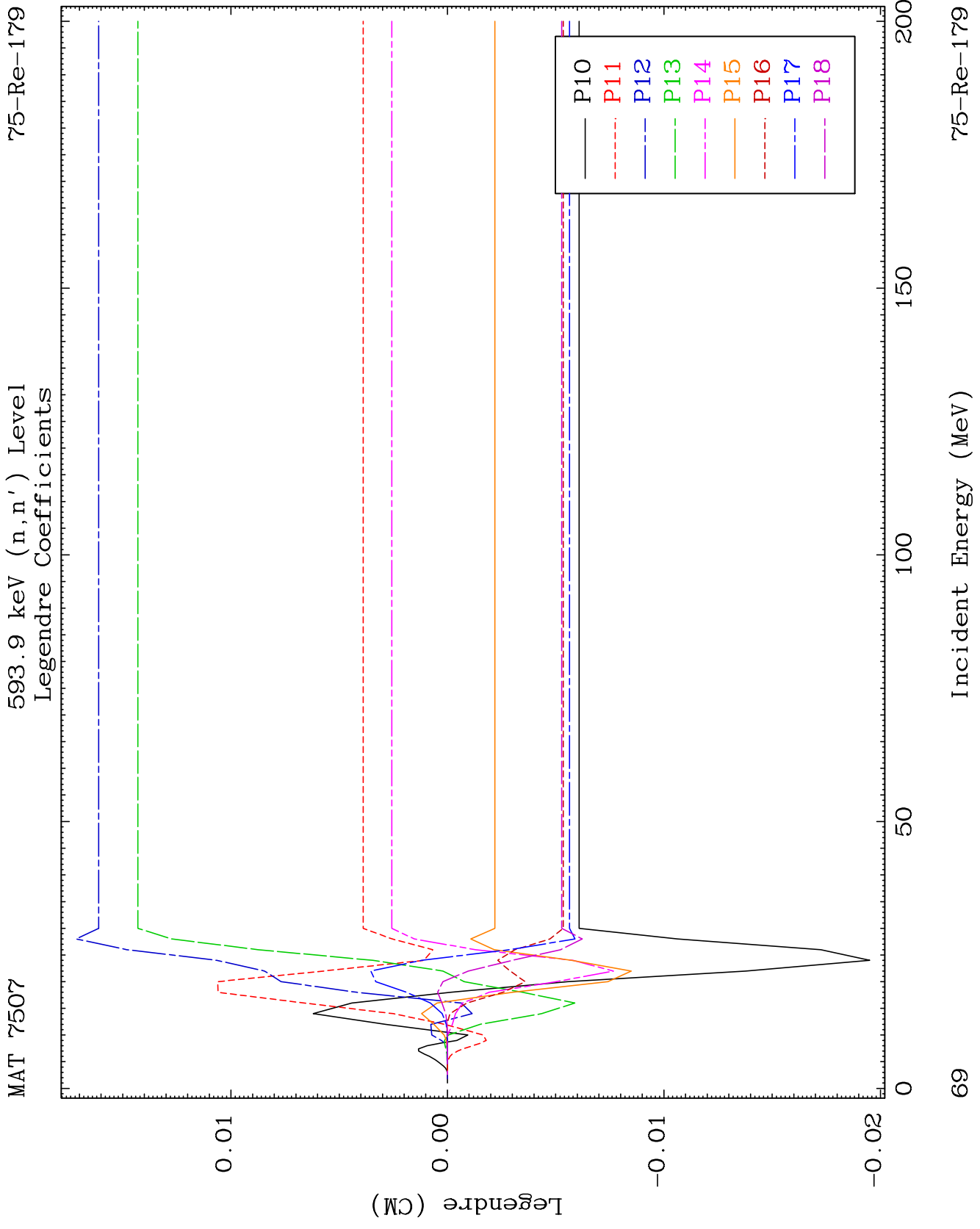
Incident Energy (MeV)

65





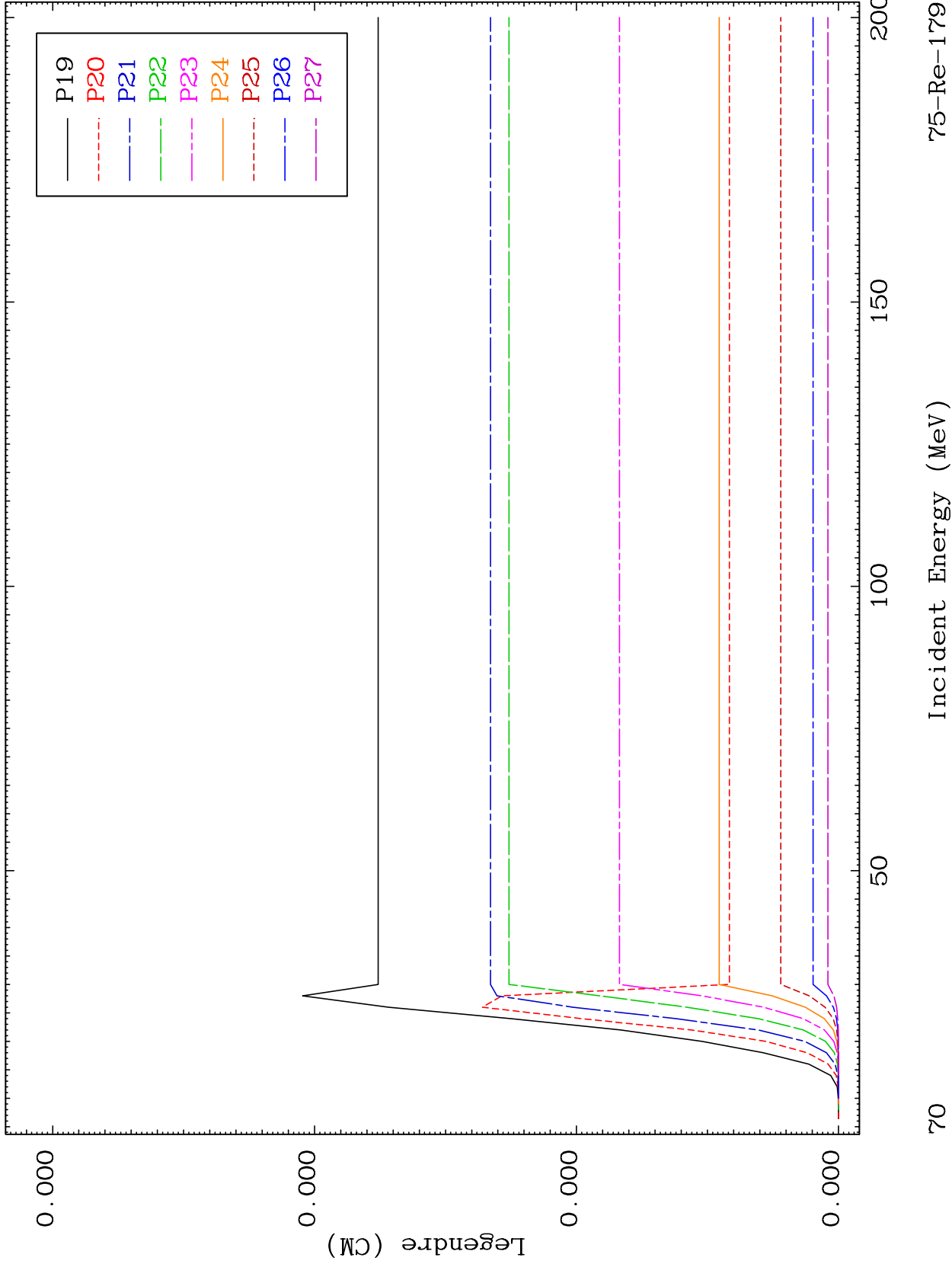




MAT 7507

593.9 keV (n,n') Level  
Legendre Coefficients

75-Re-179



70

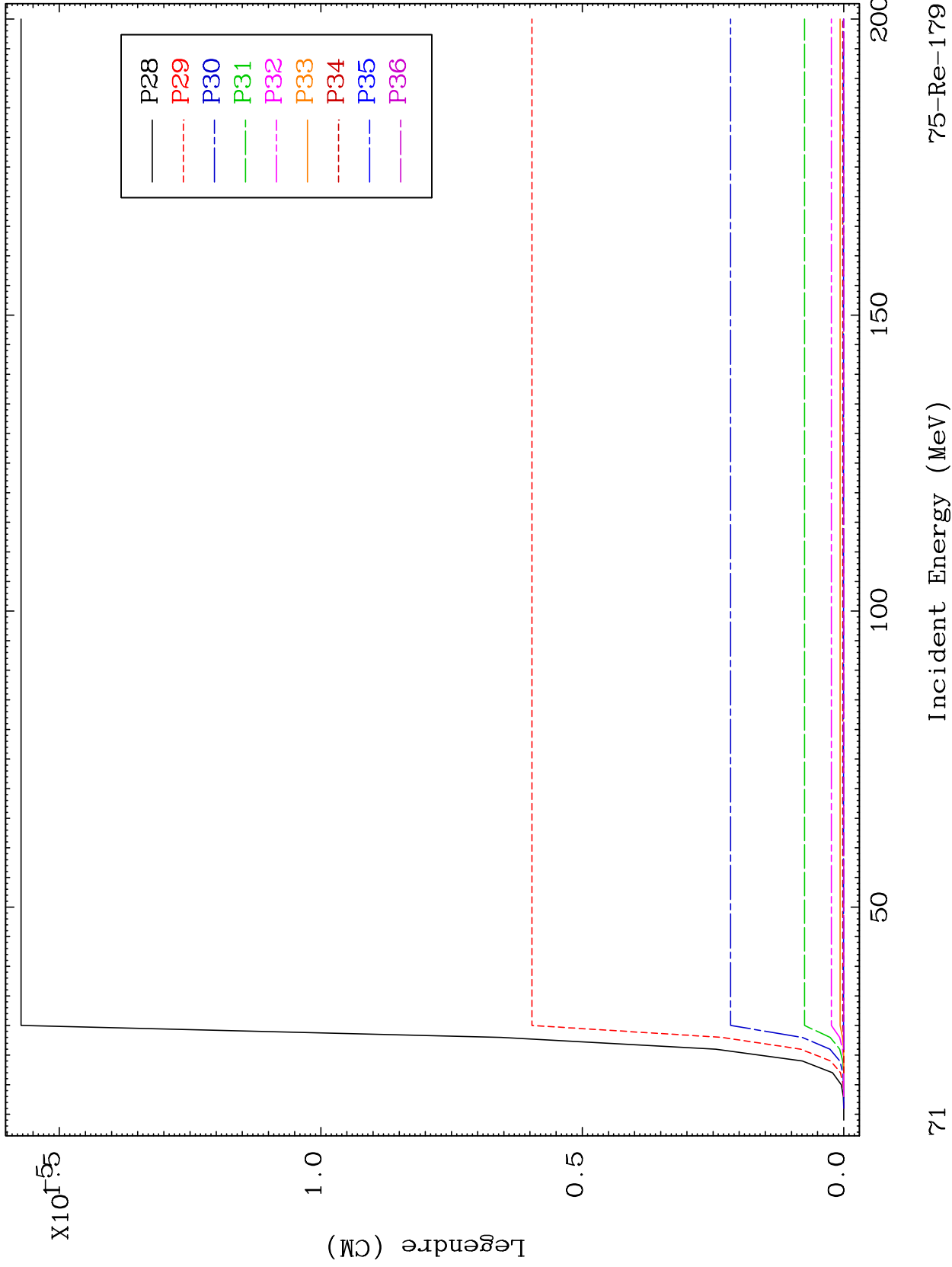
Incident Energy (MeV)

75-Re-179

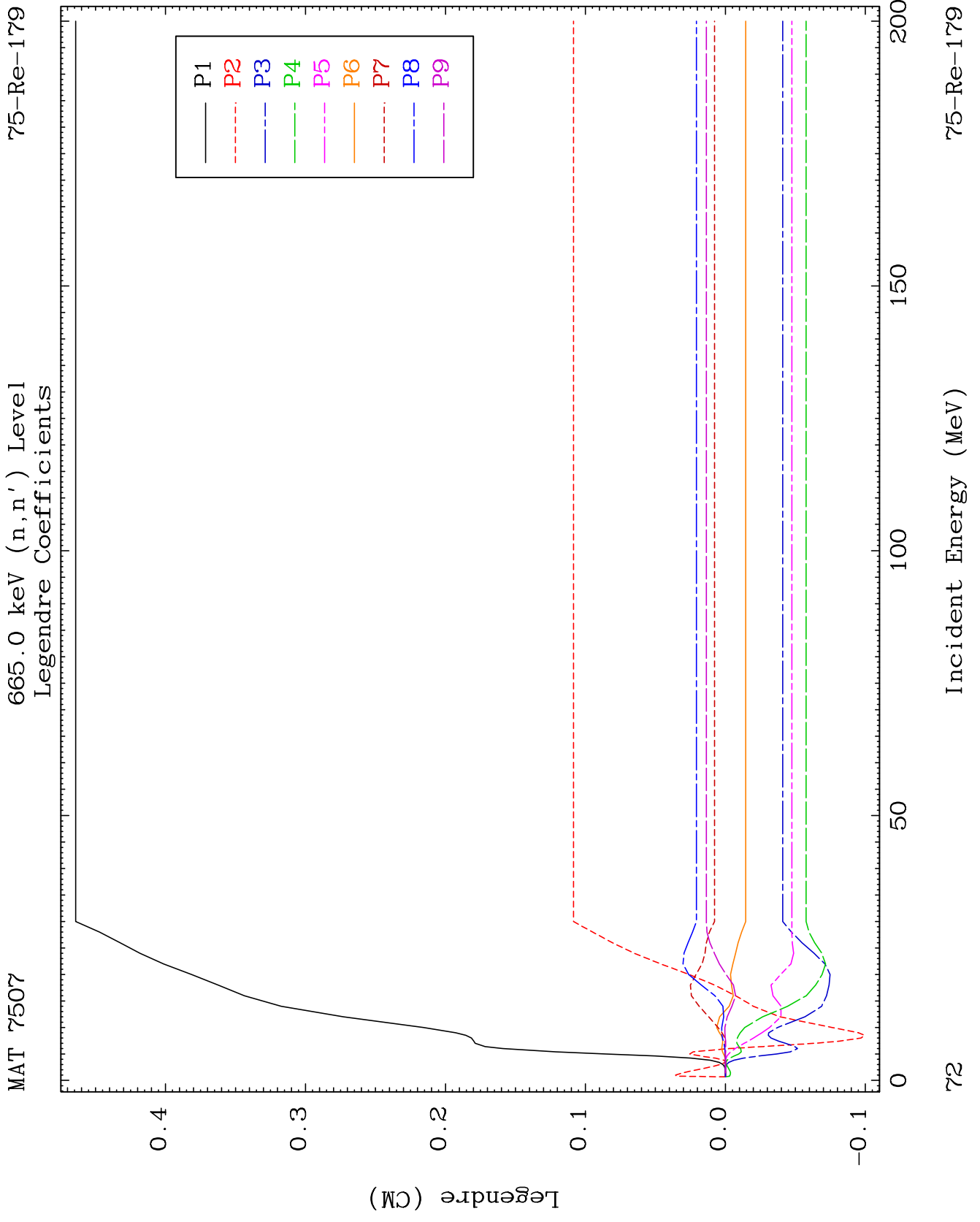
MAT 7507

593.9 keV (n,n') Level  
Legendre Coefficients

75-Re-179



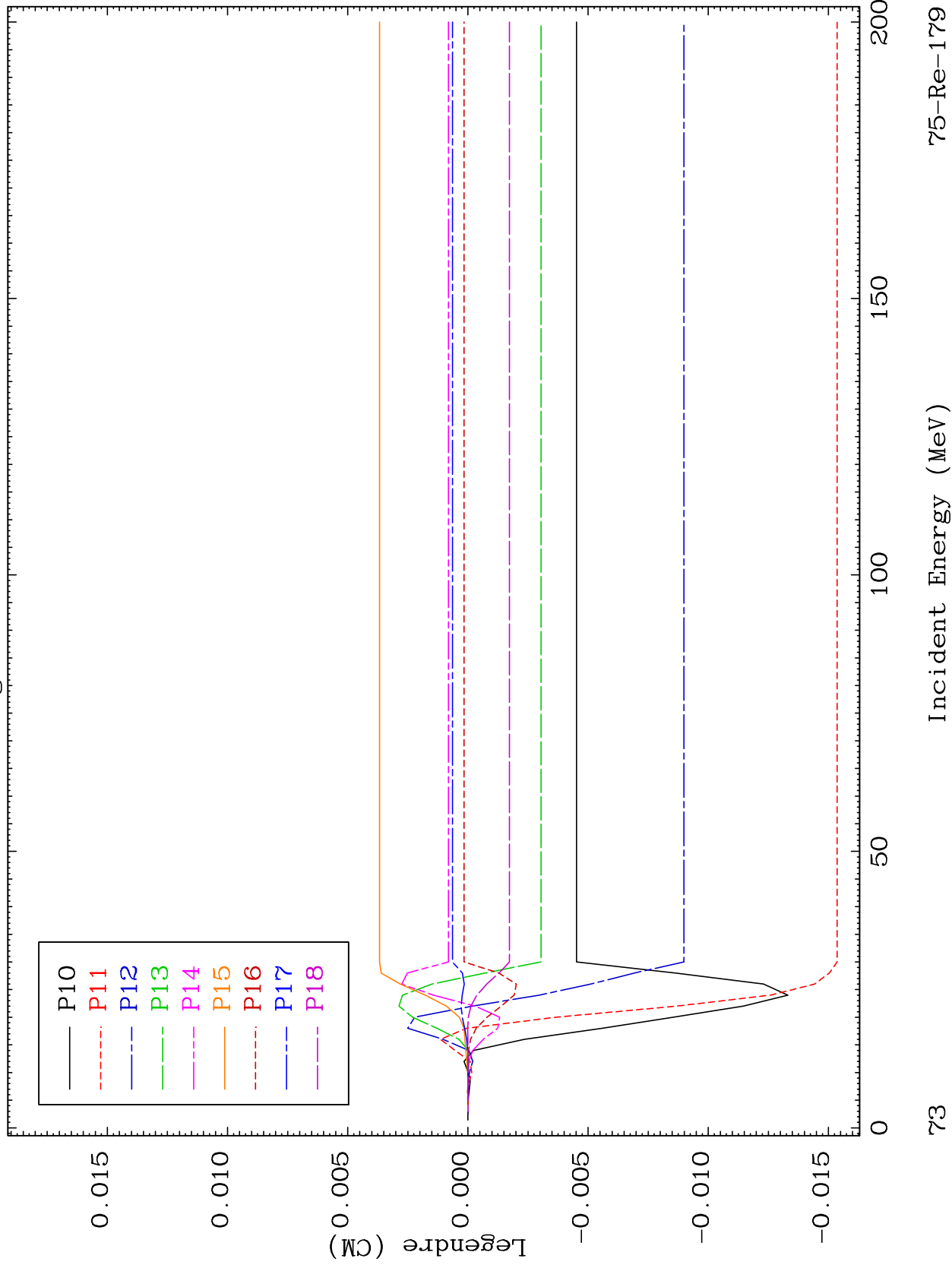




MAT 7507

665.0 keV (n,n') Level  
Legendre Coefficients

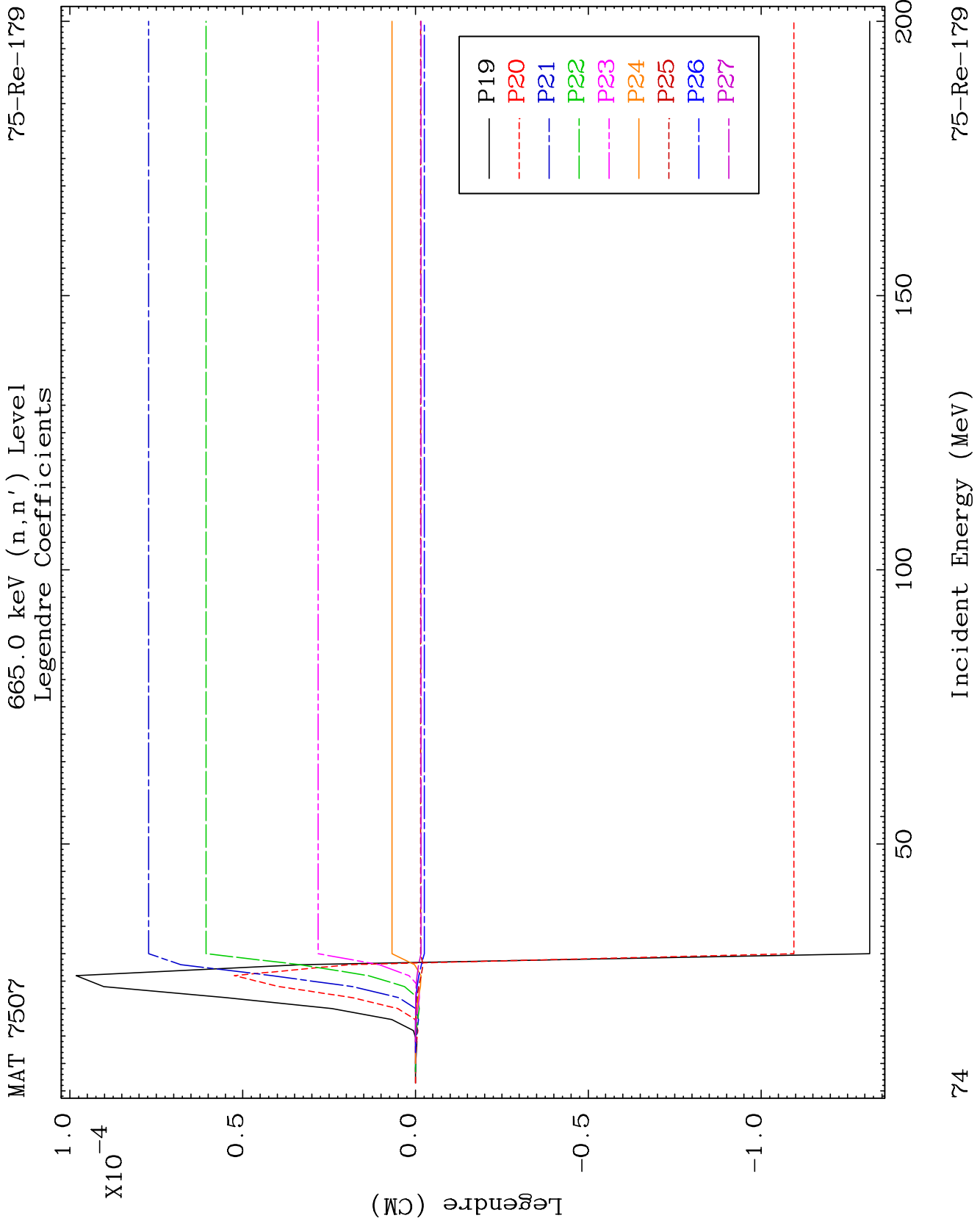
75-Re-179

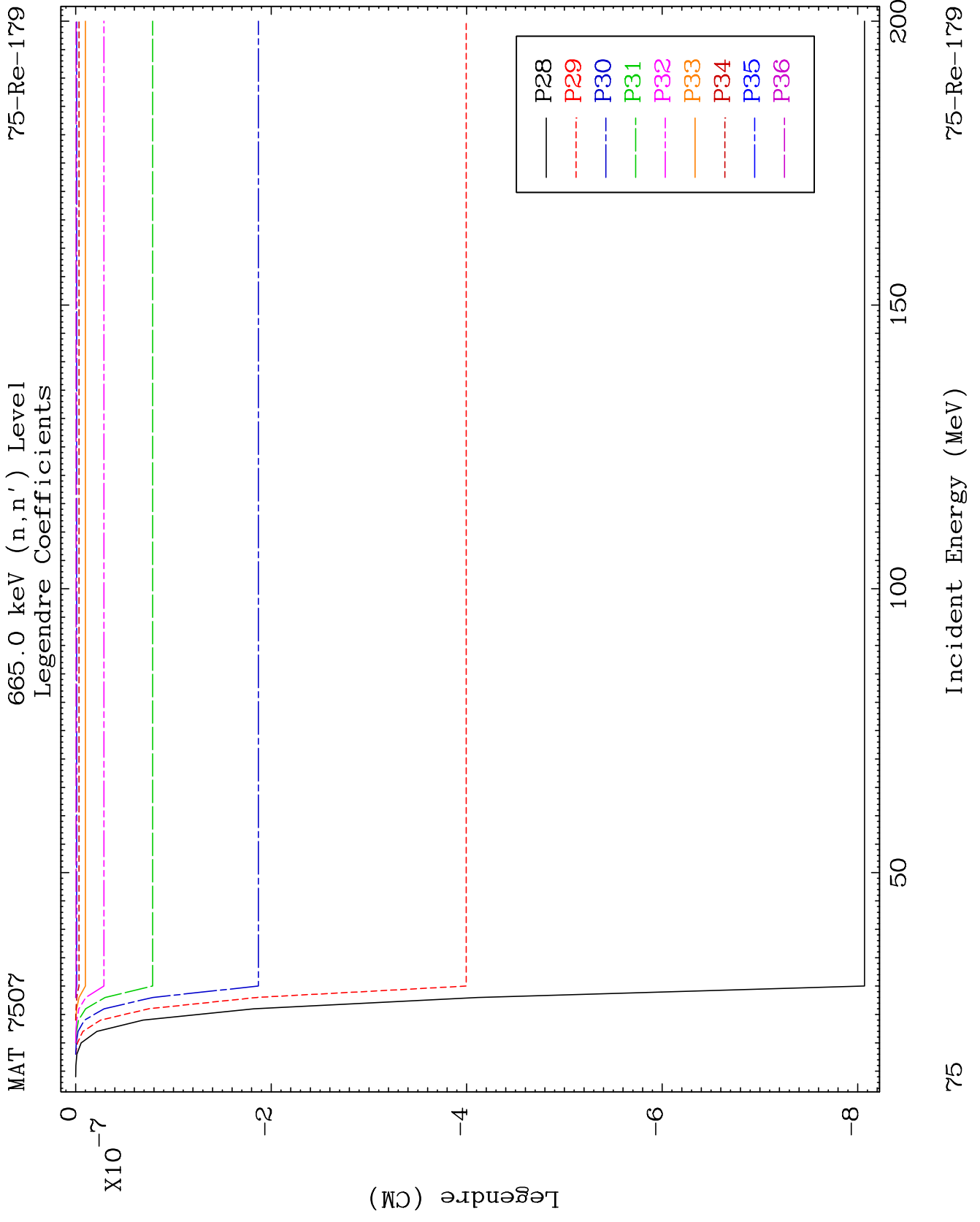


75-Re-179

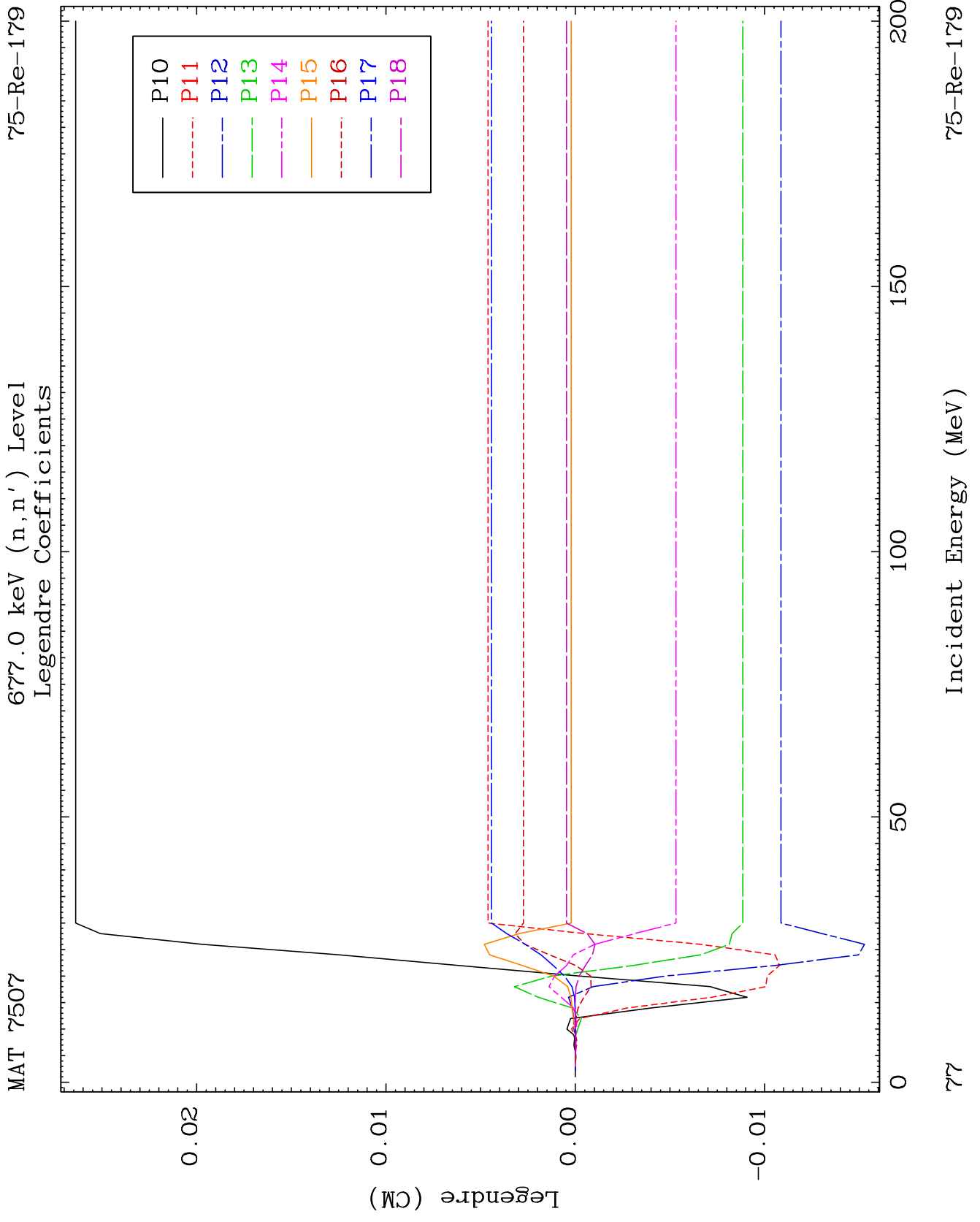
Incident Energy (MeV)

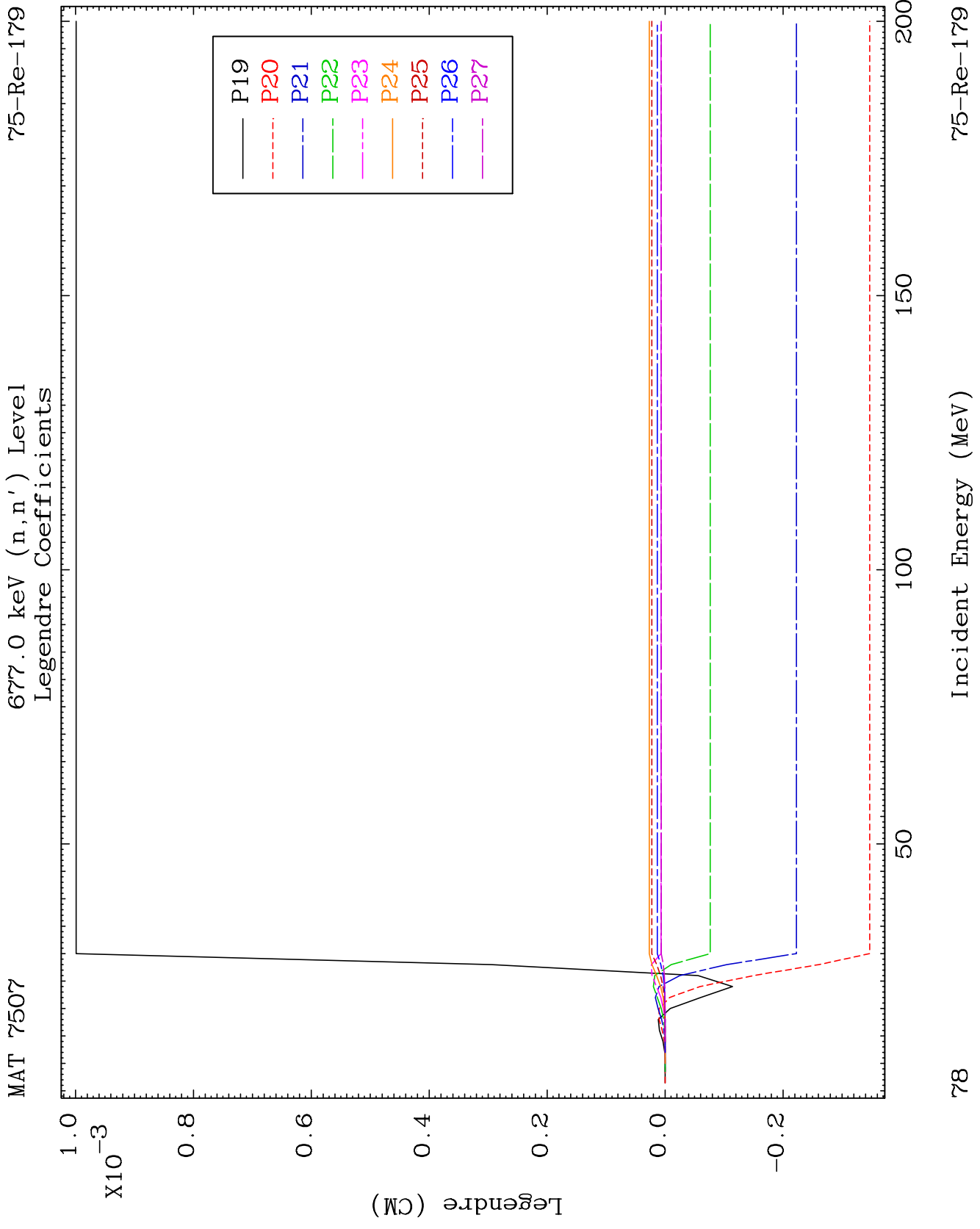
73

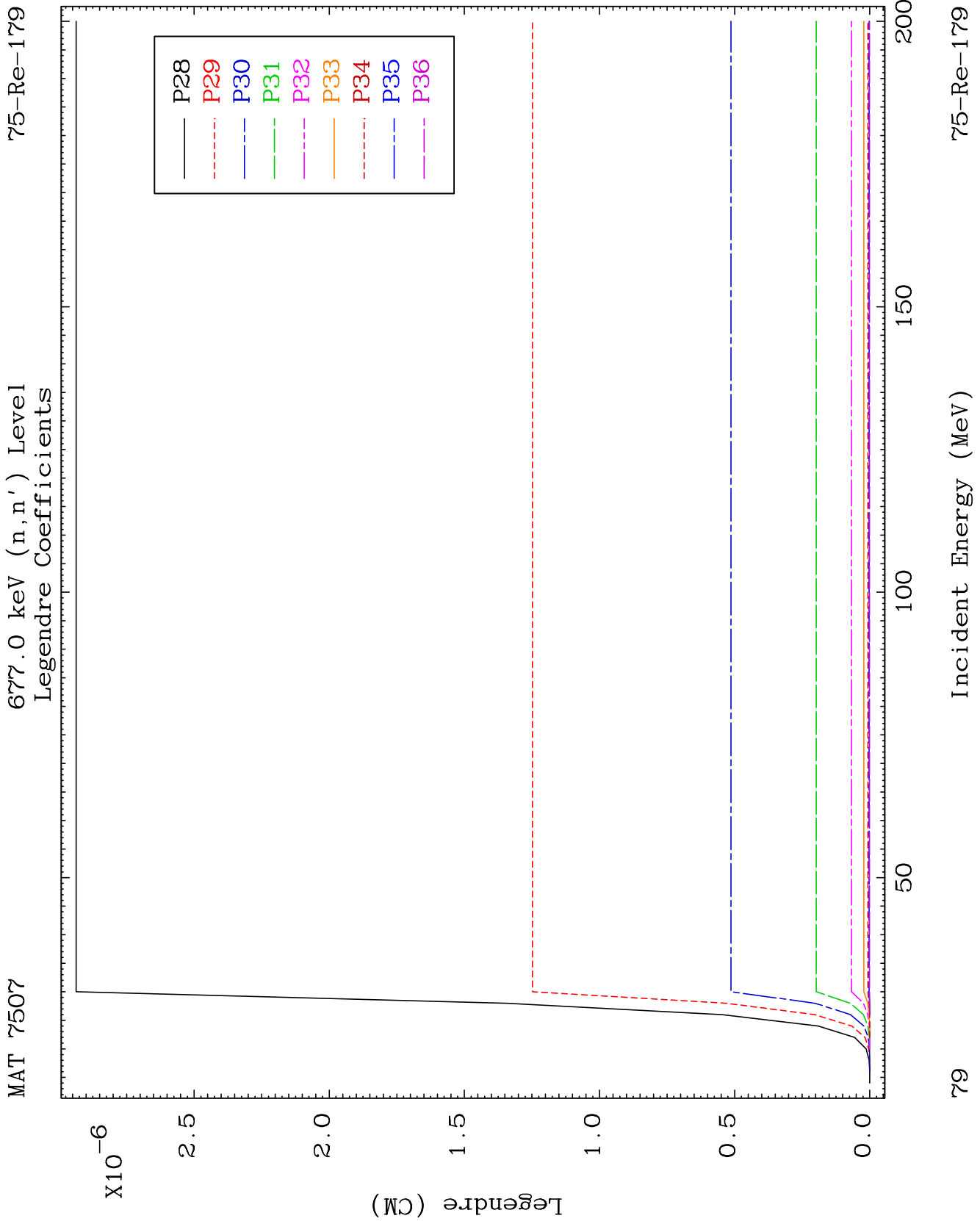




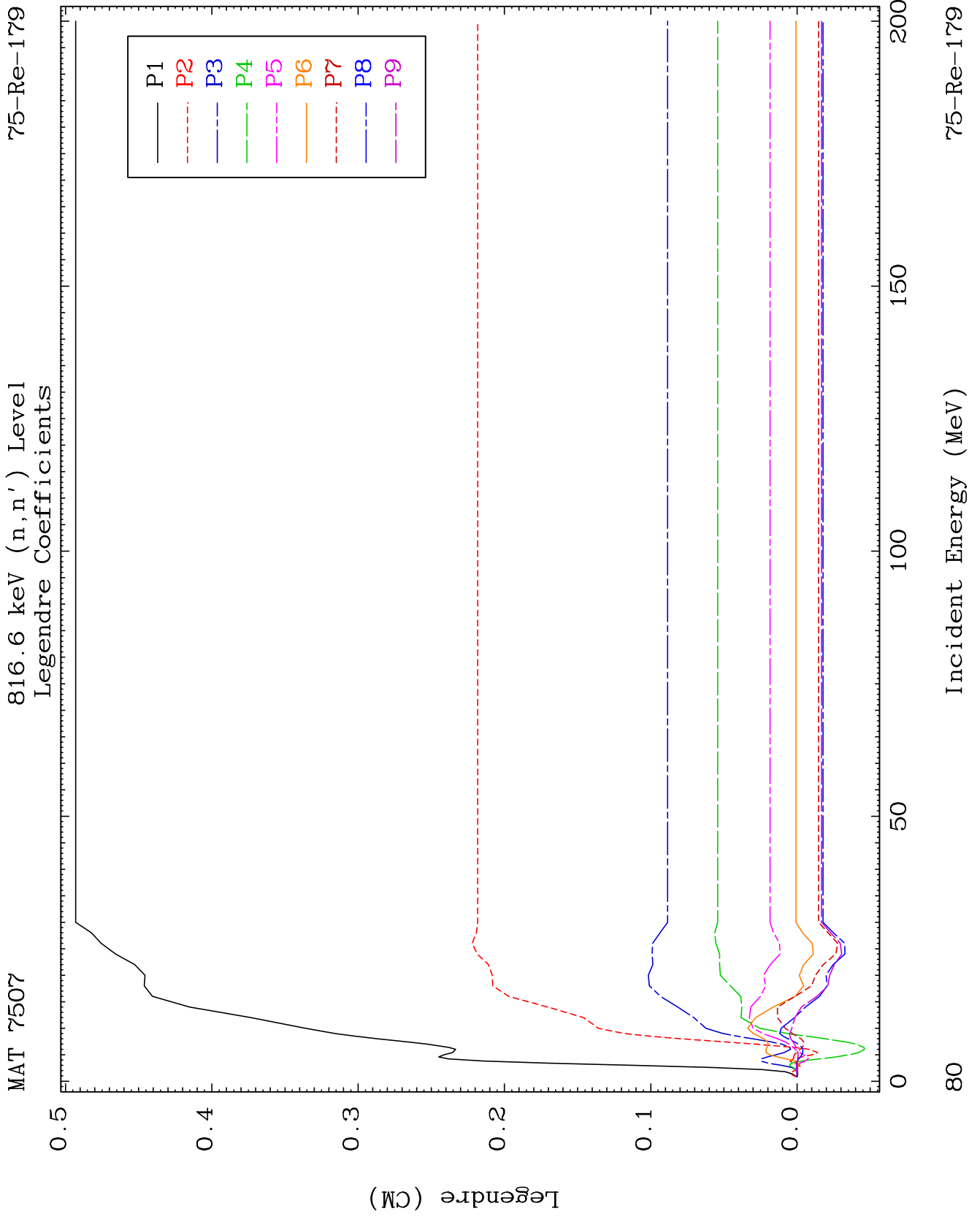










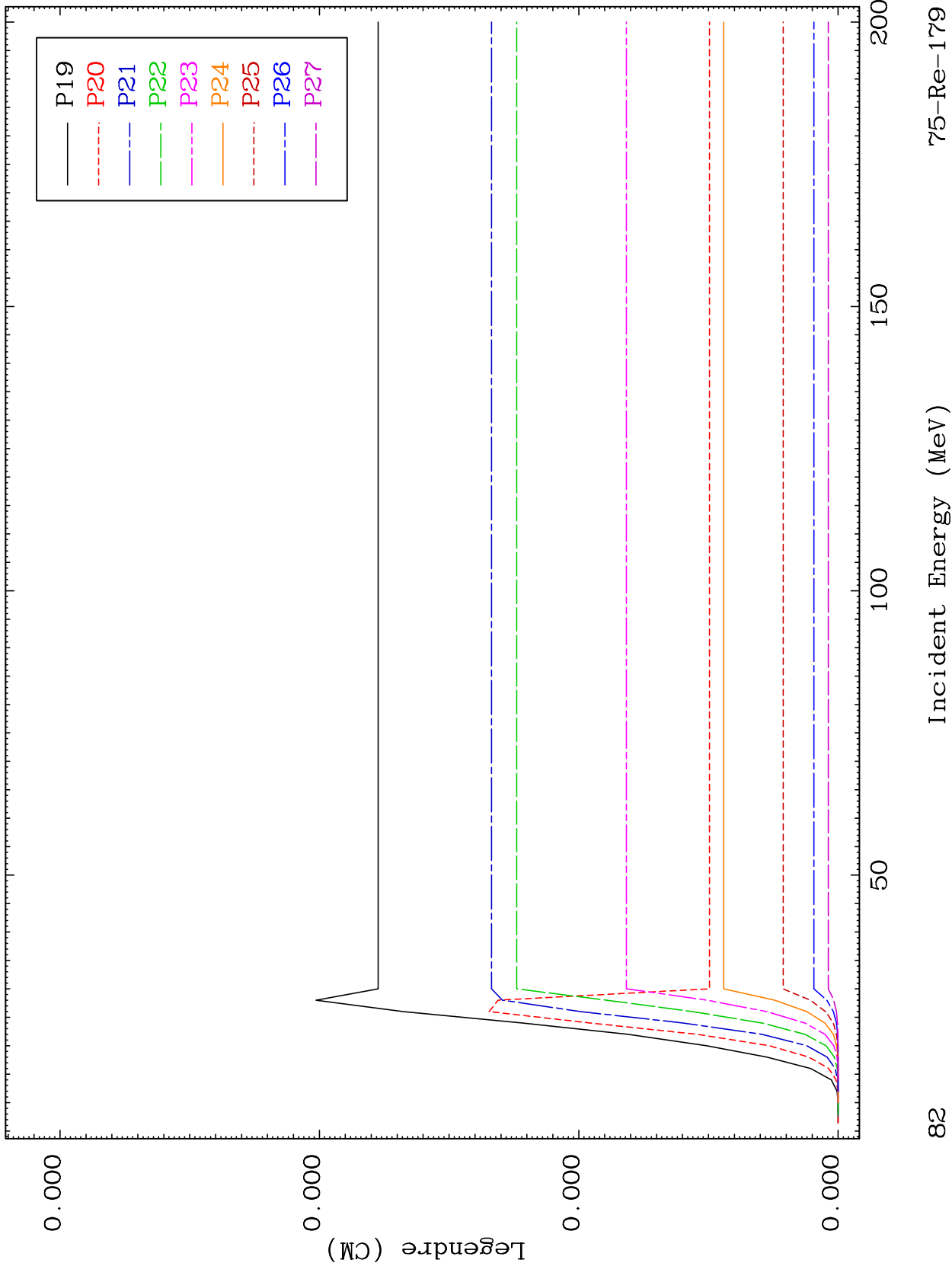


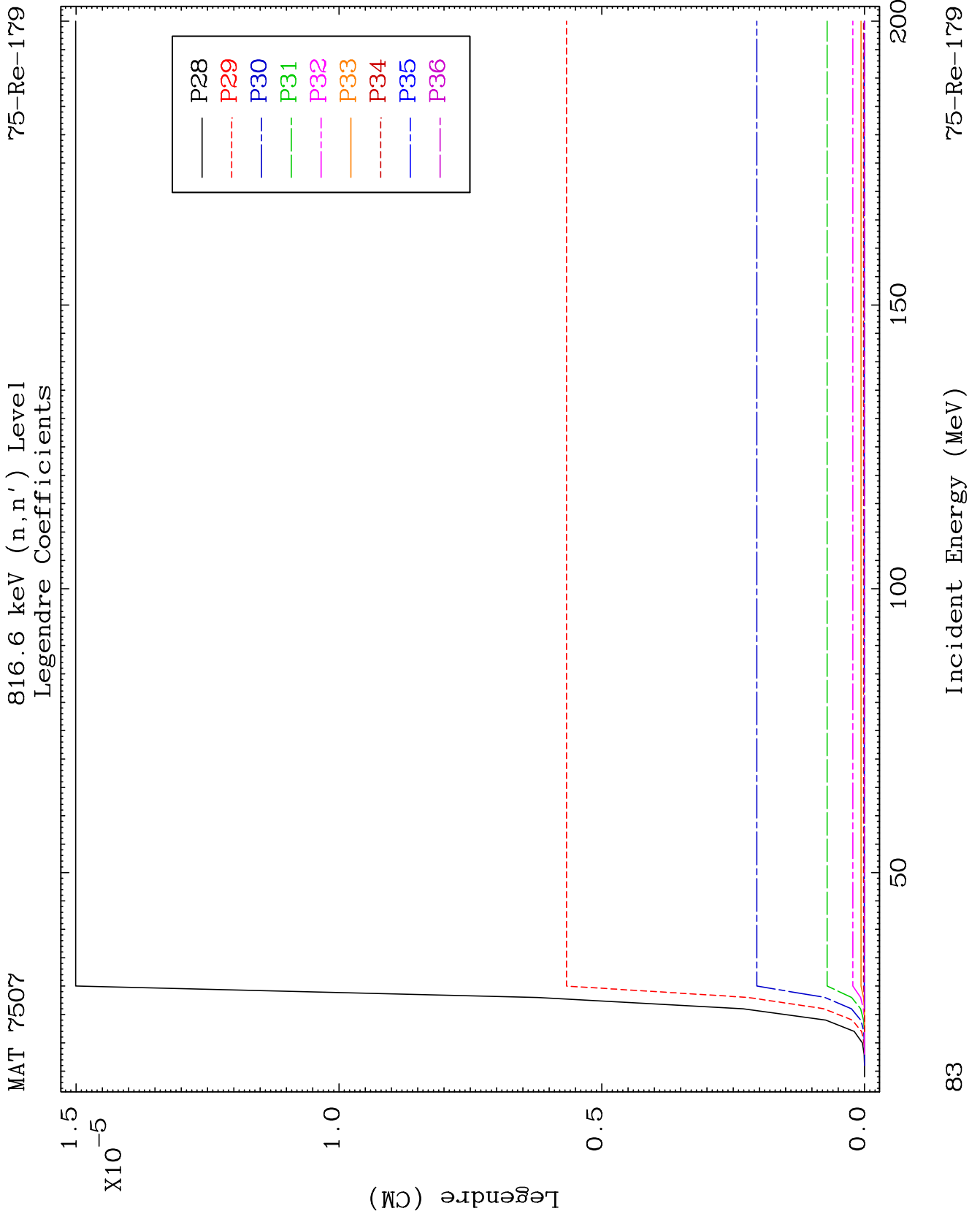


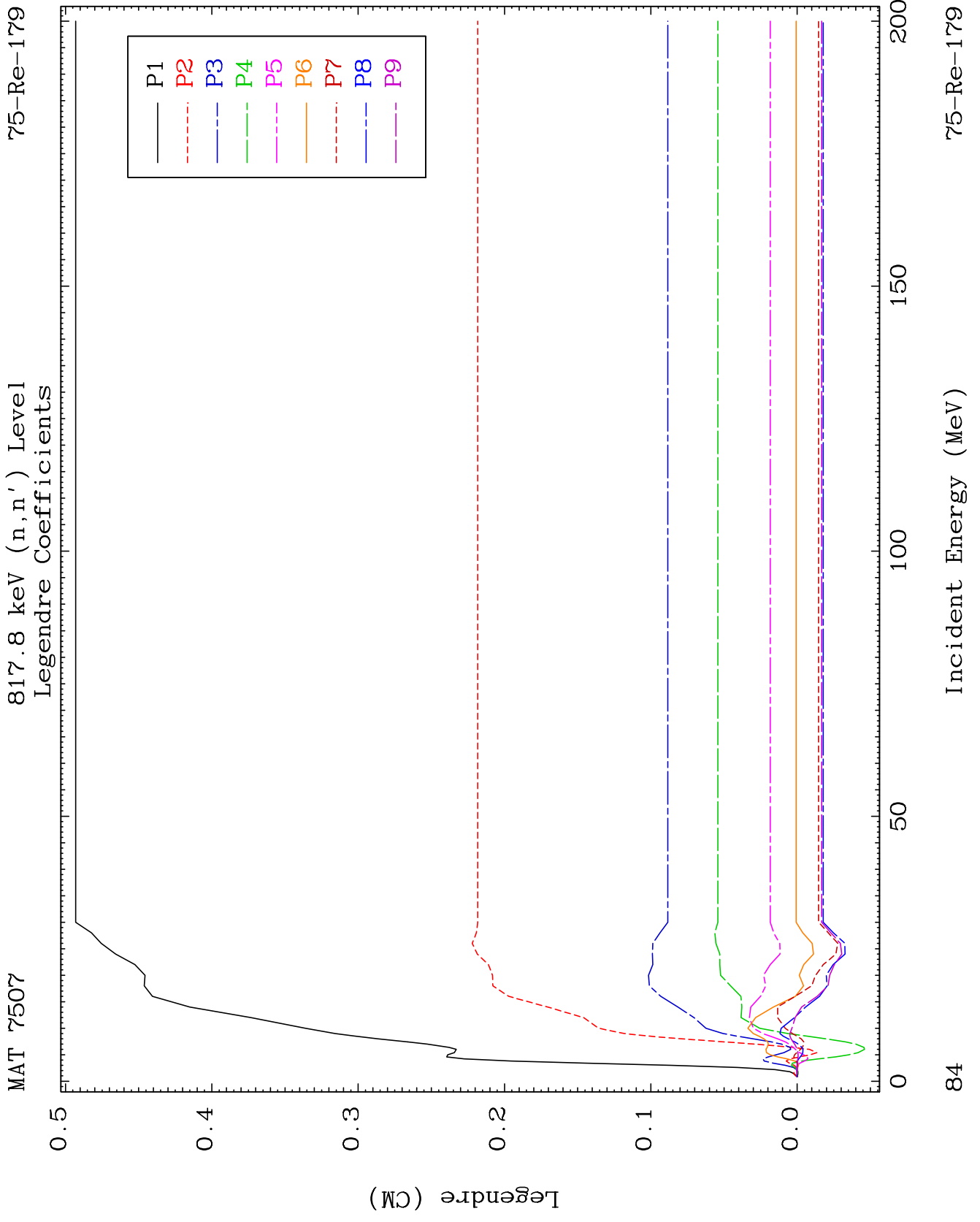
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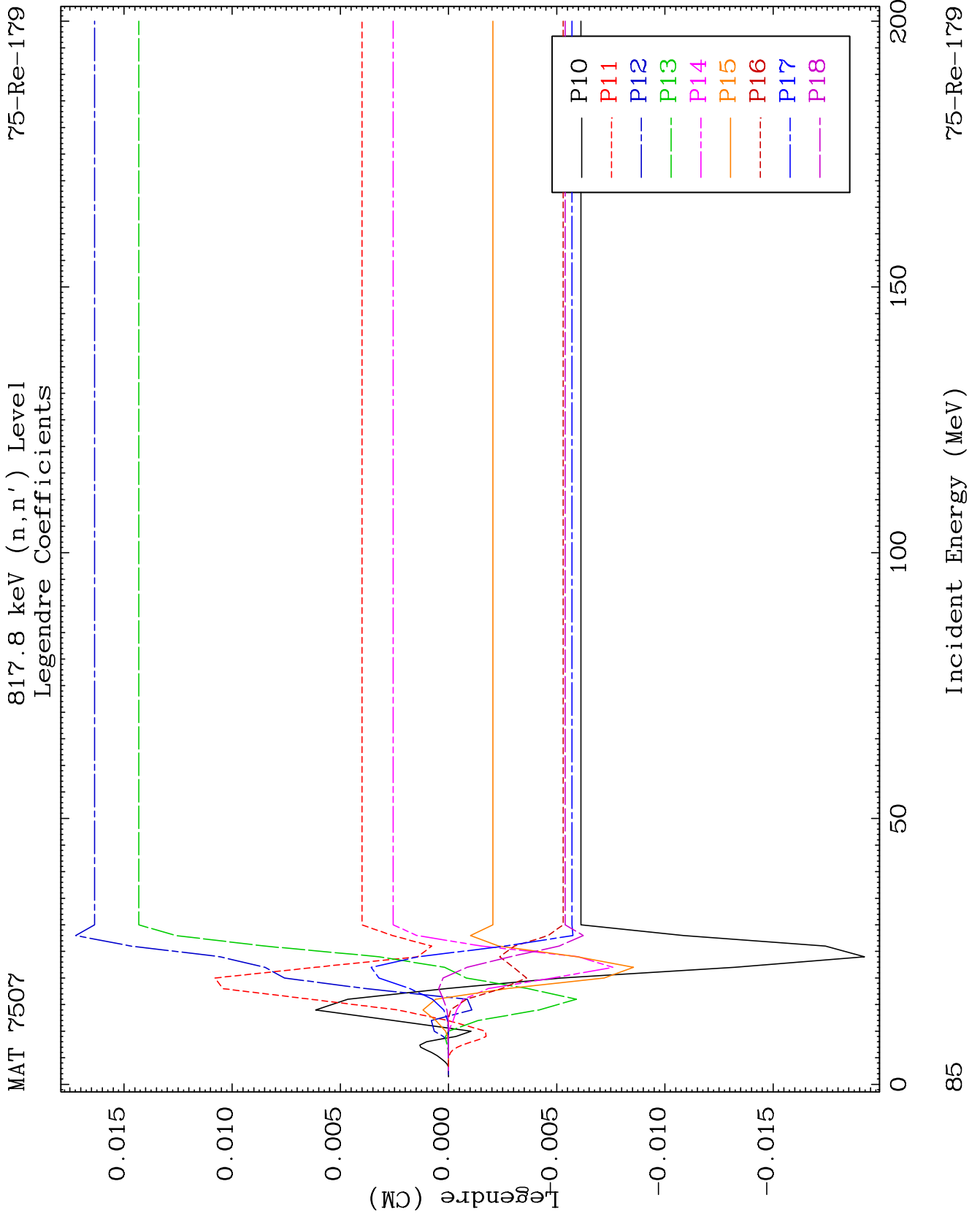
816.6 keV (n,n') Level  
Legendre Coefficients

75-Re-179





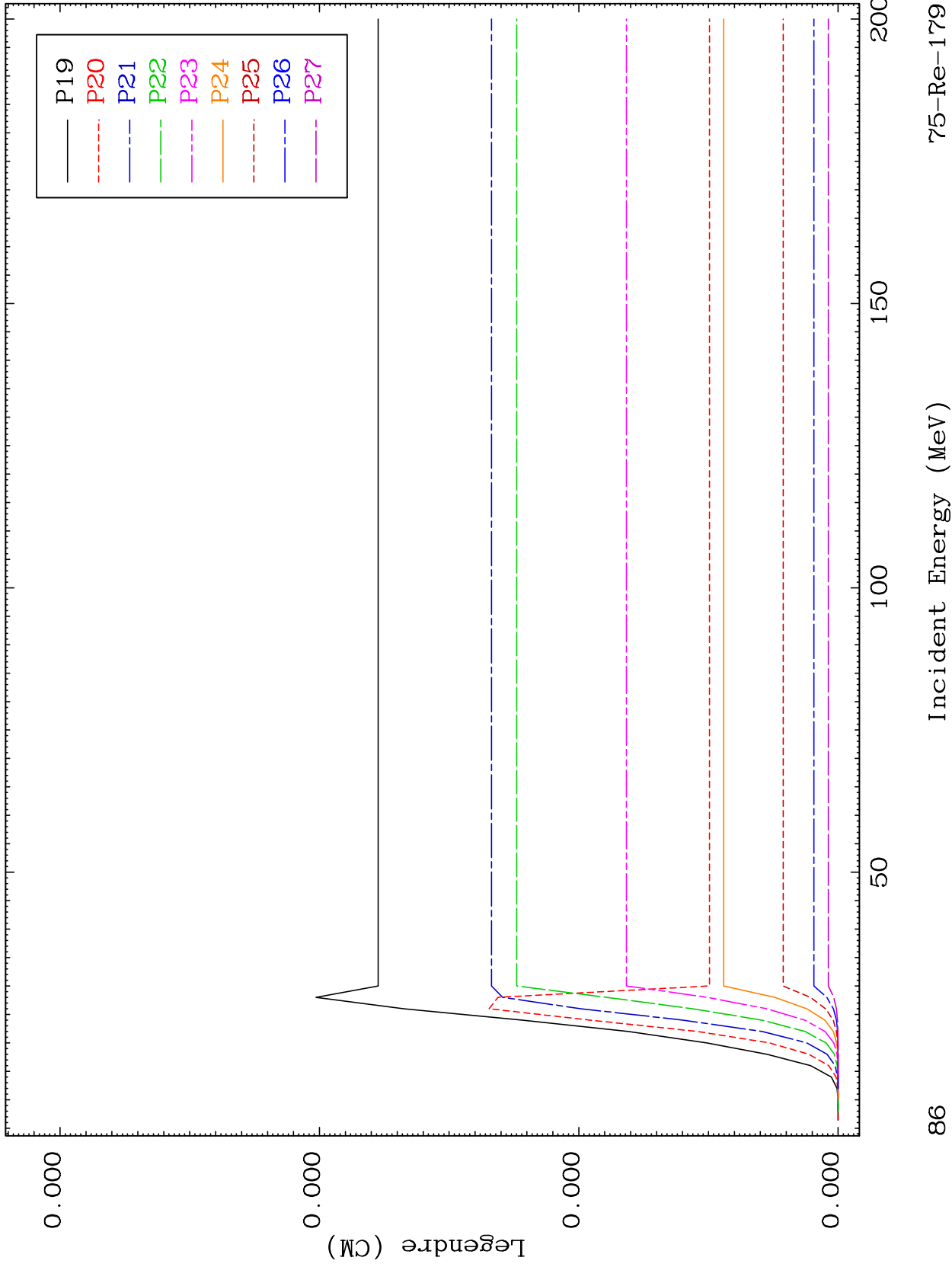


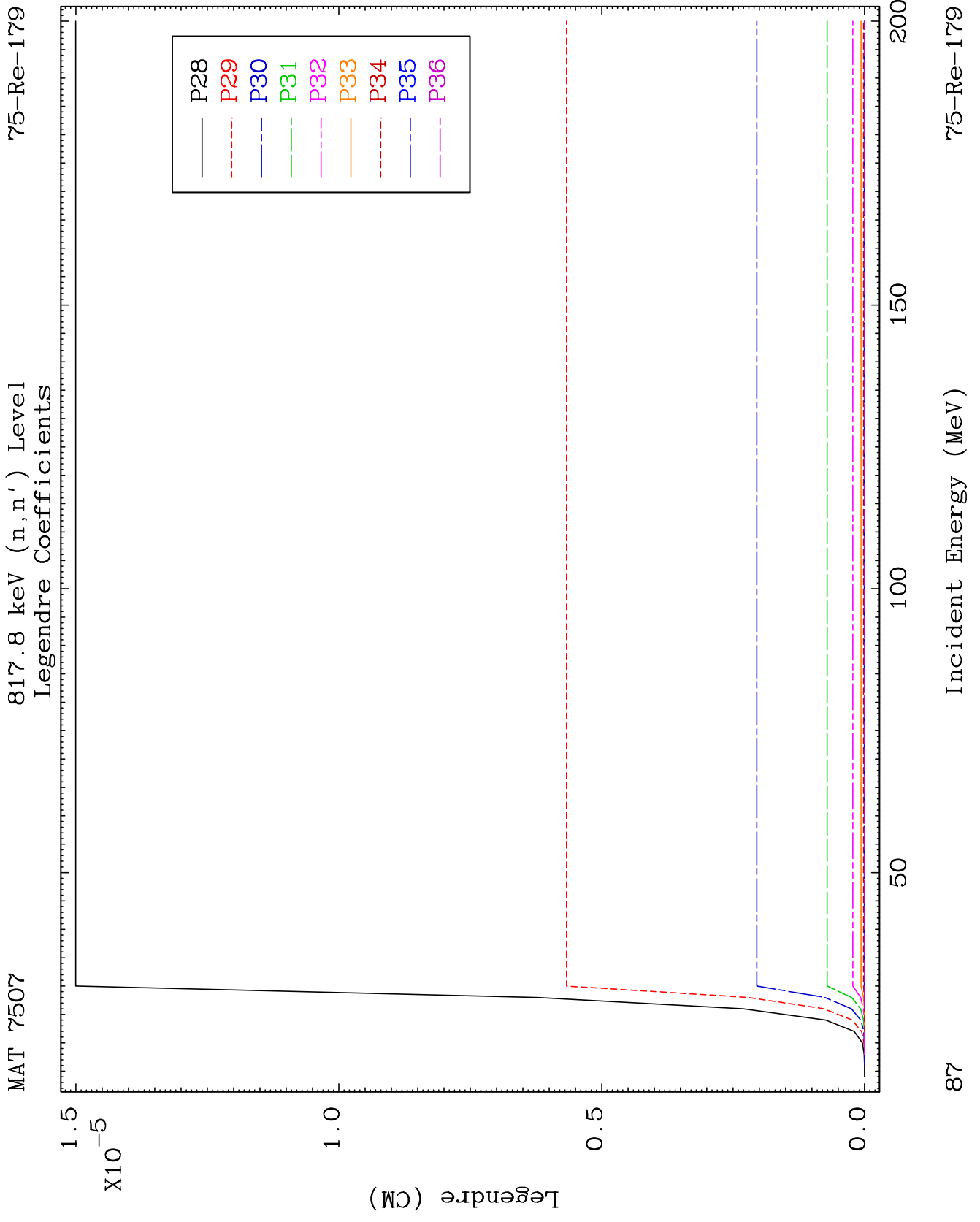


MAT 7507

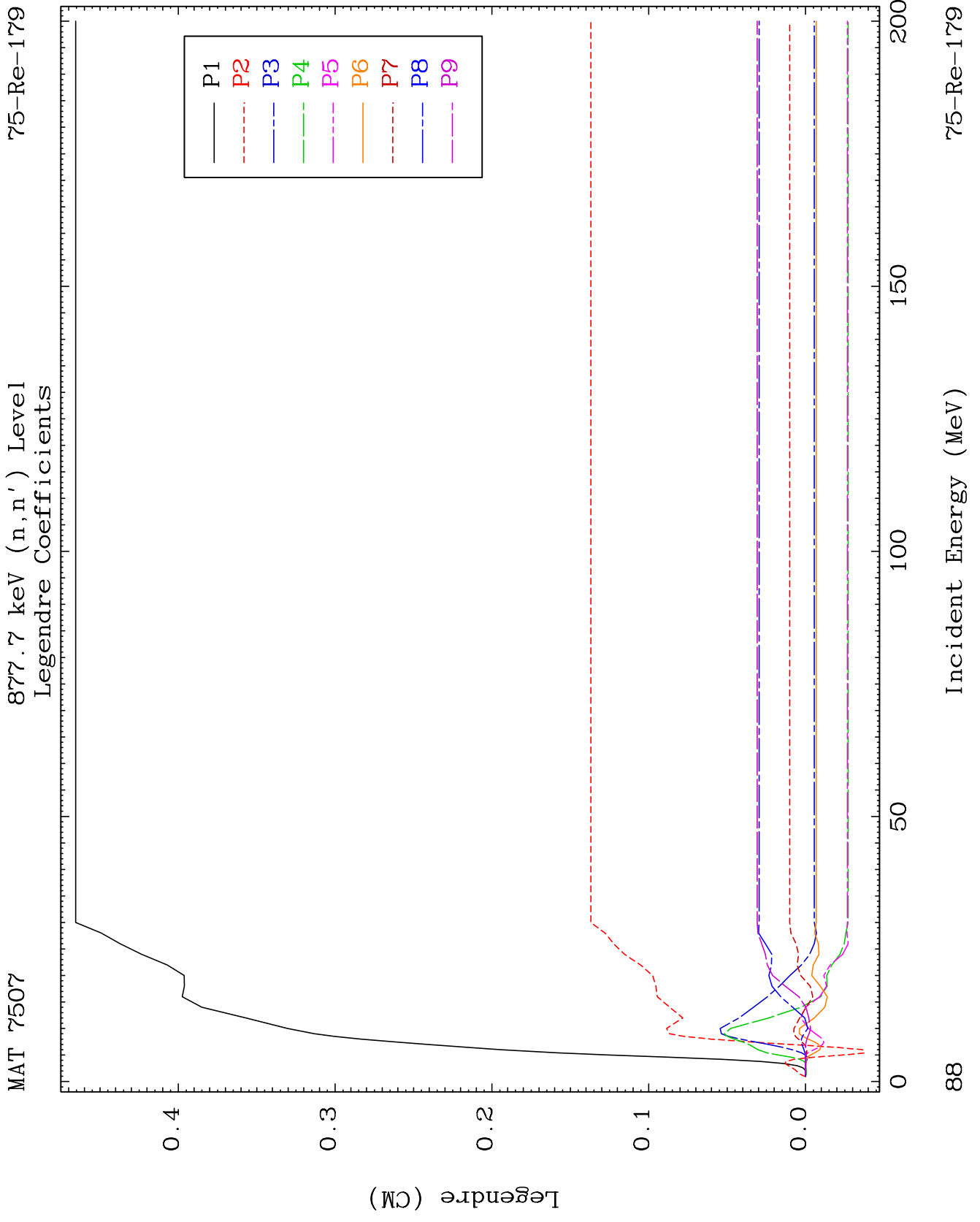
817.8 keV (n,n') Level  
Legendre Coefficients

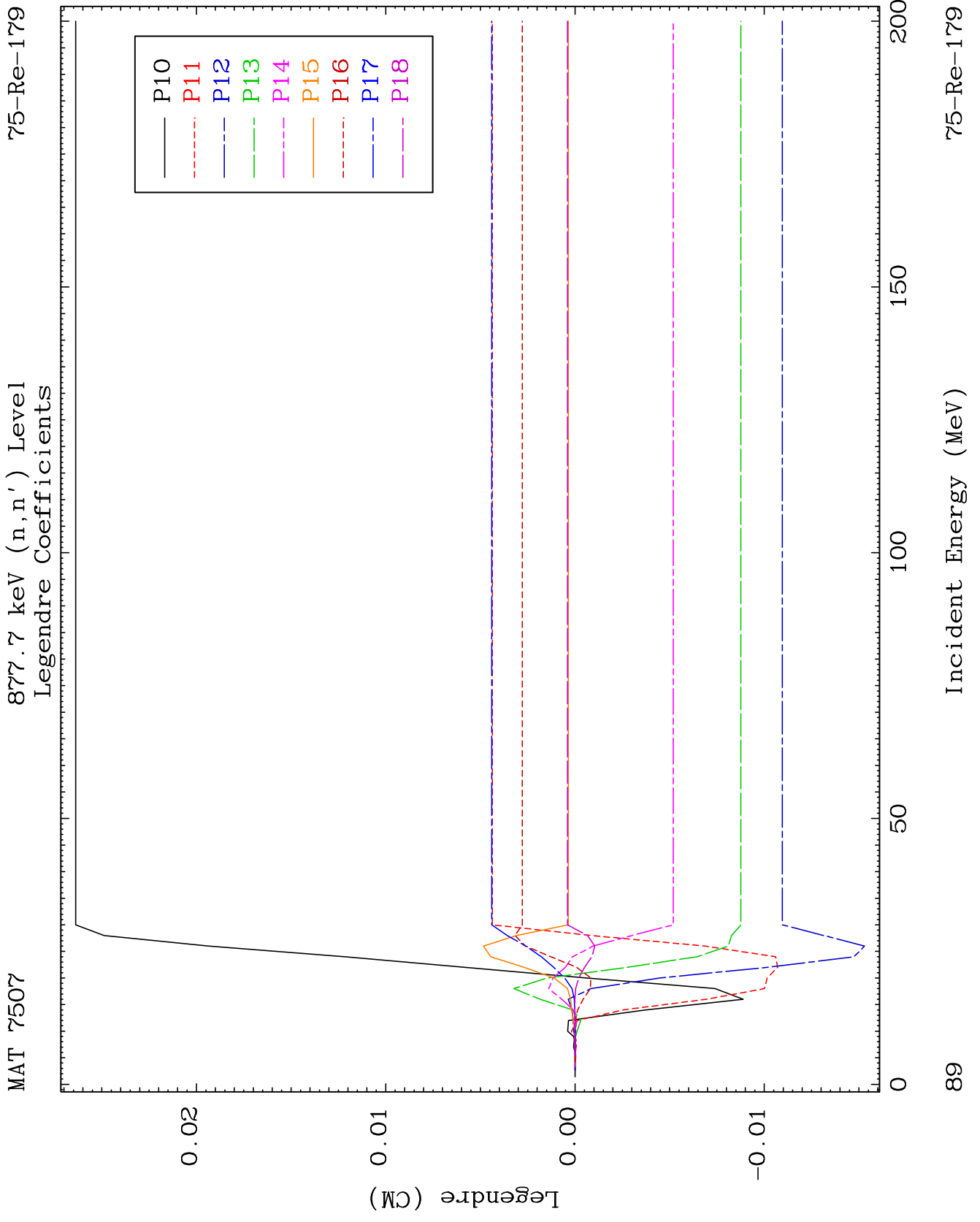
75-Re-179

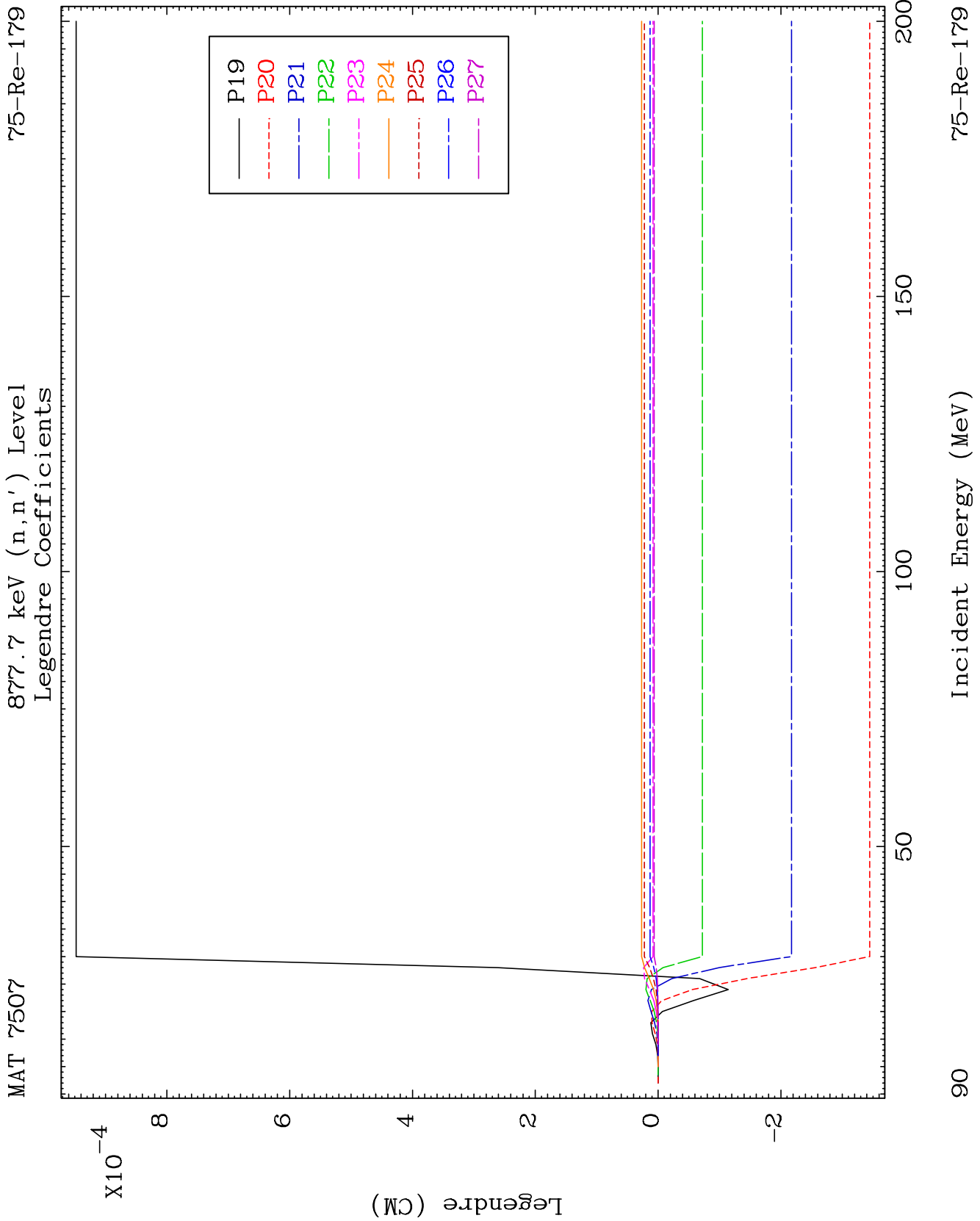


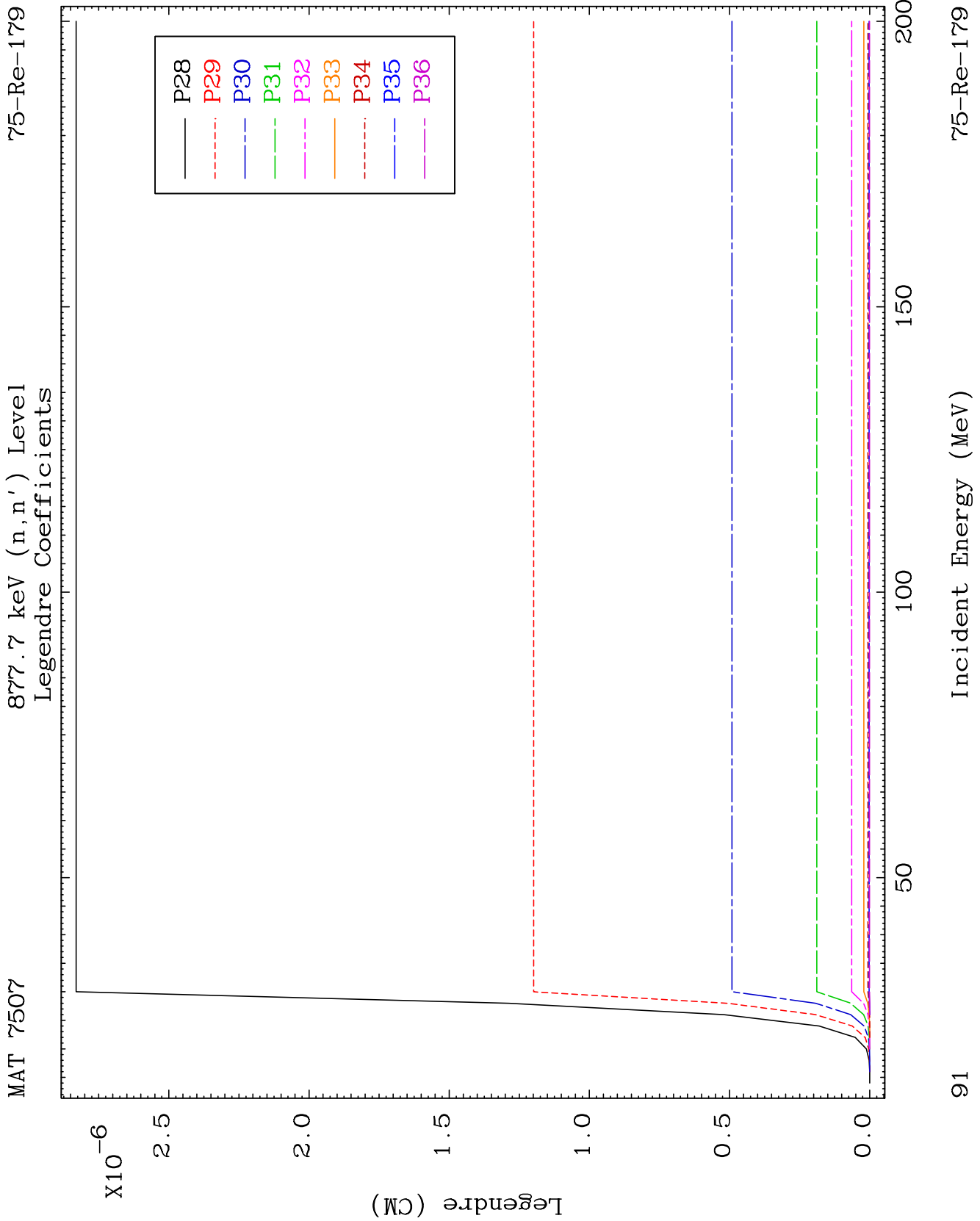




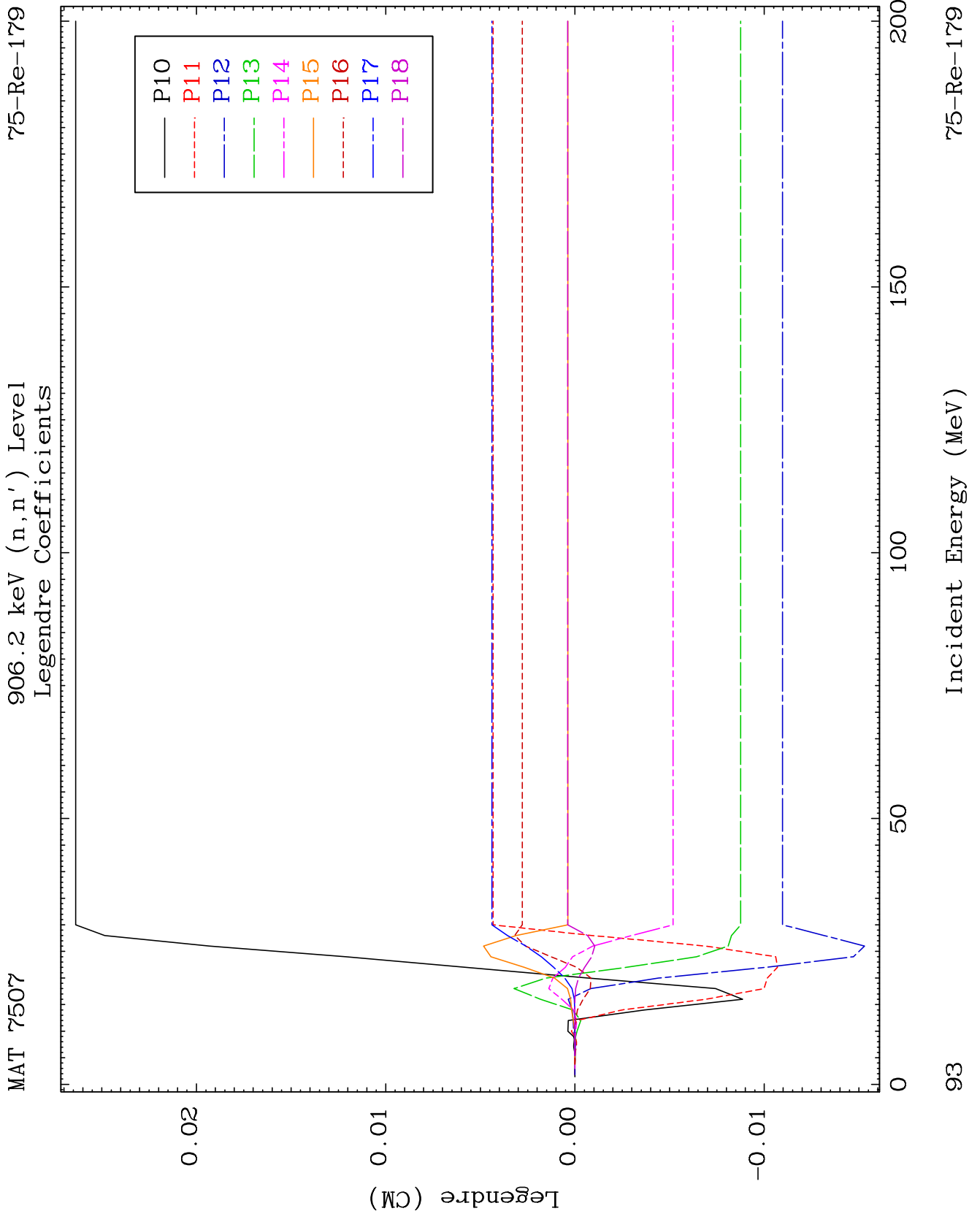


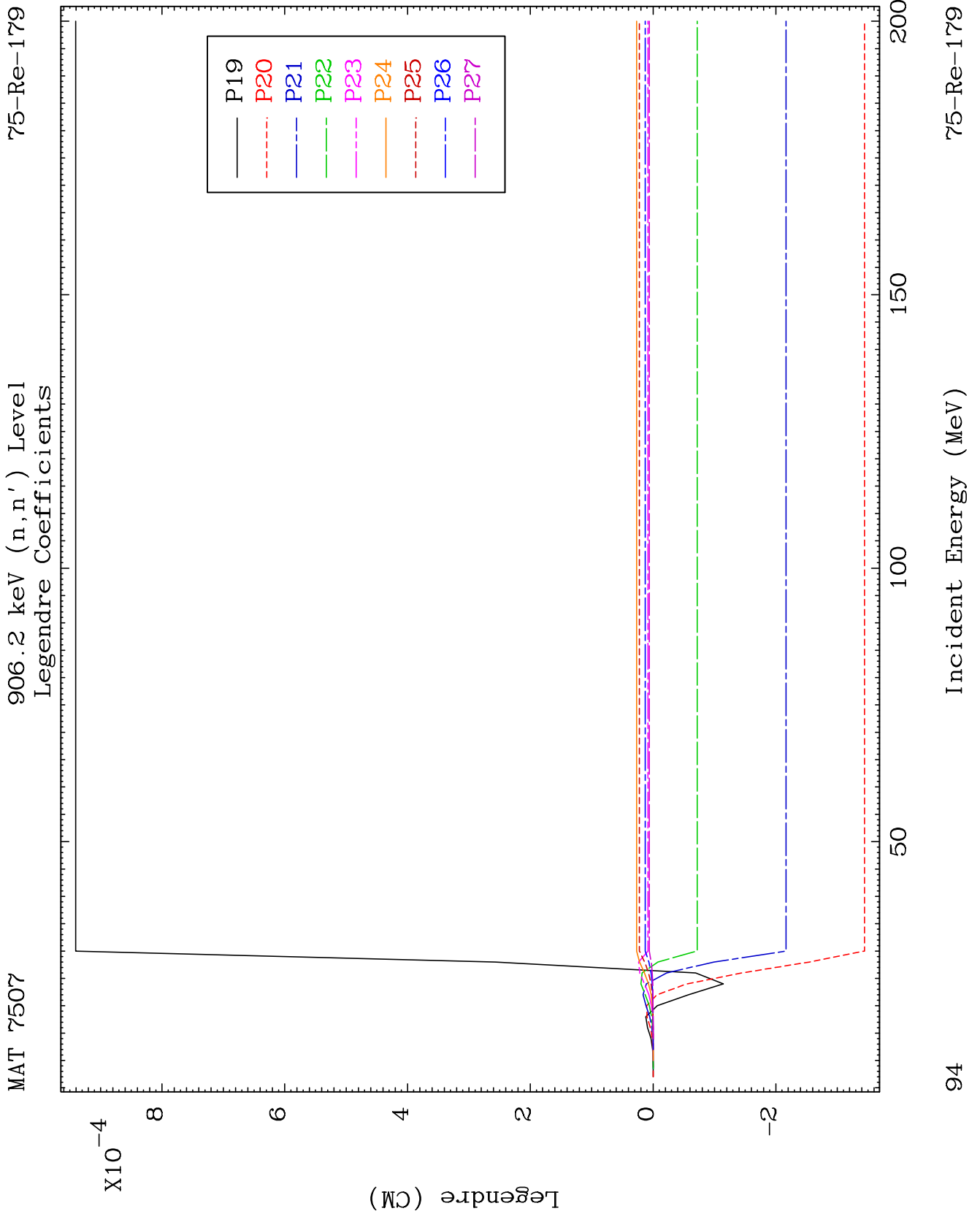


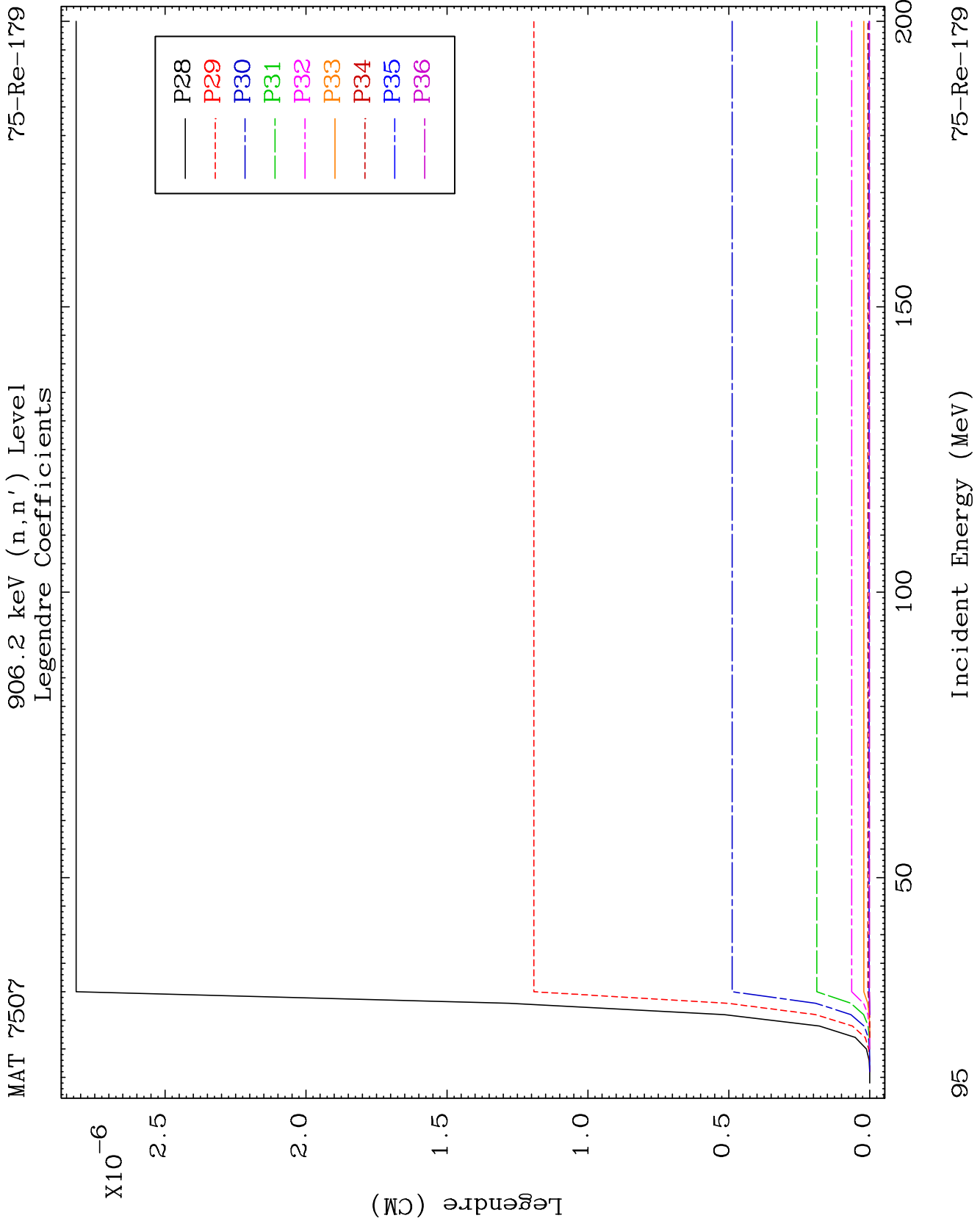






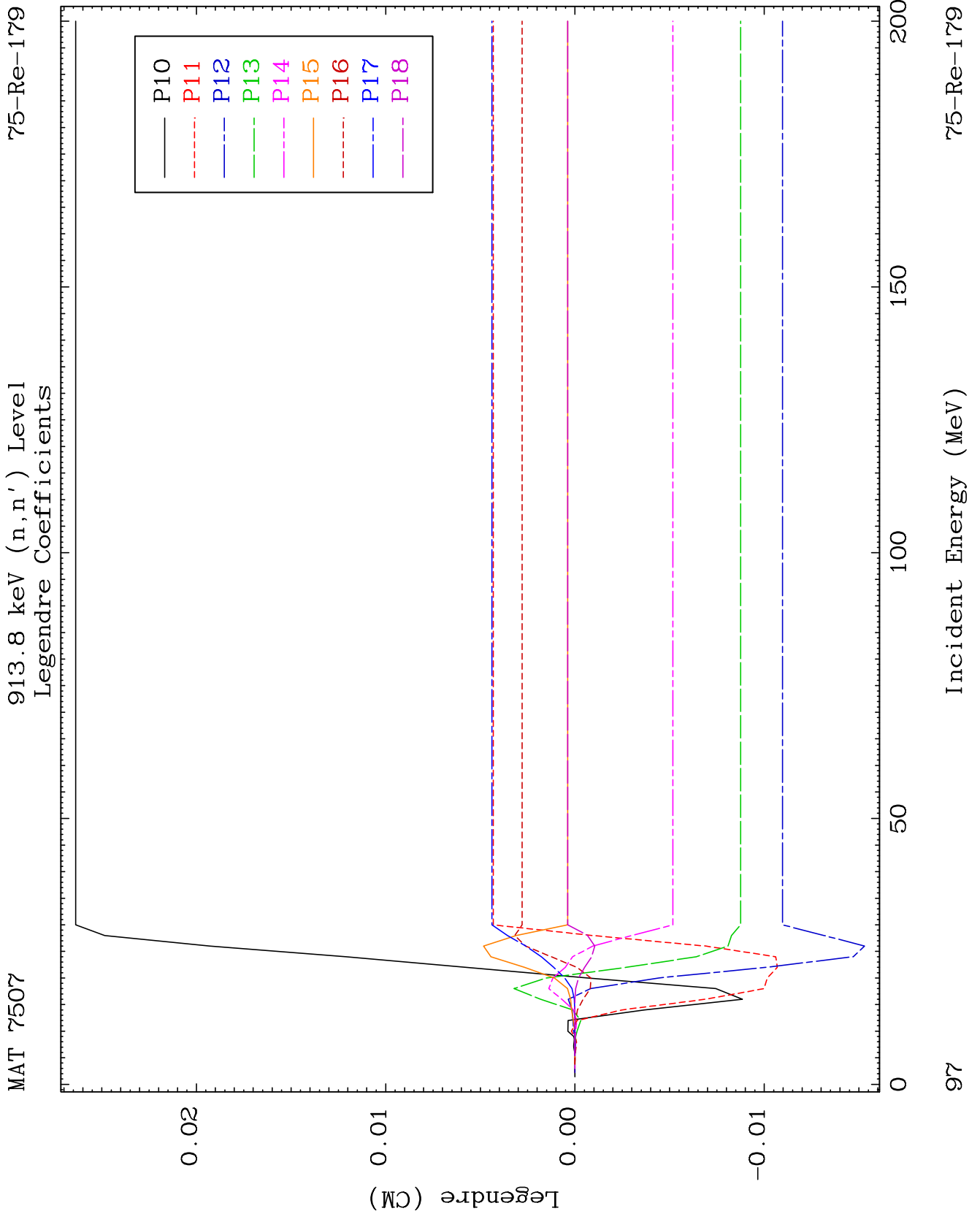


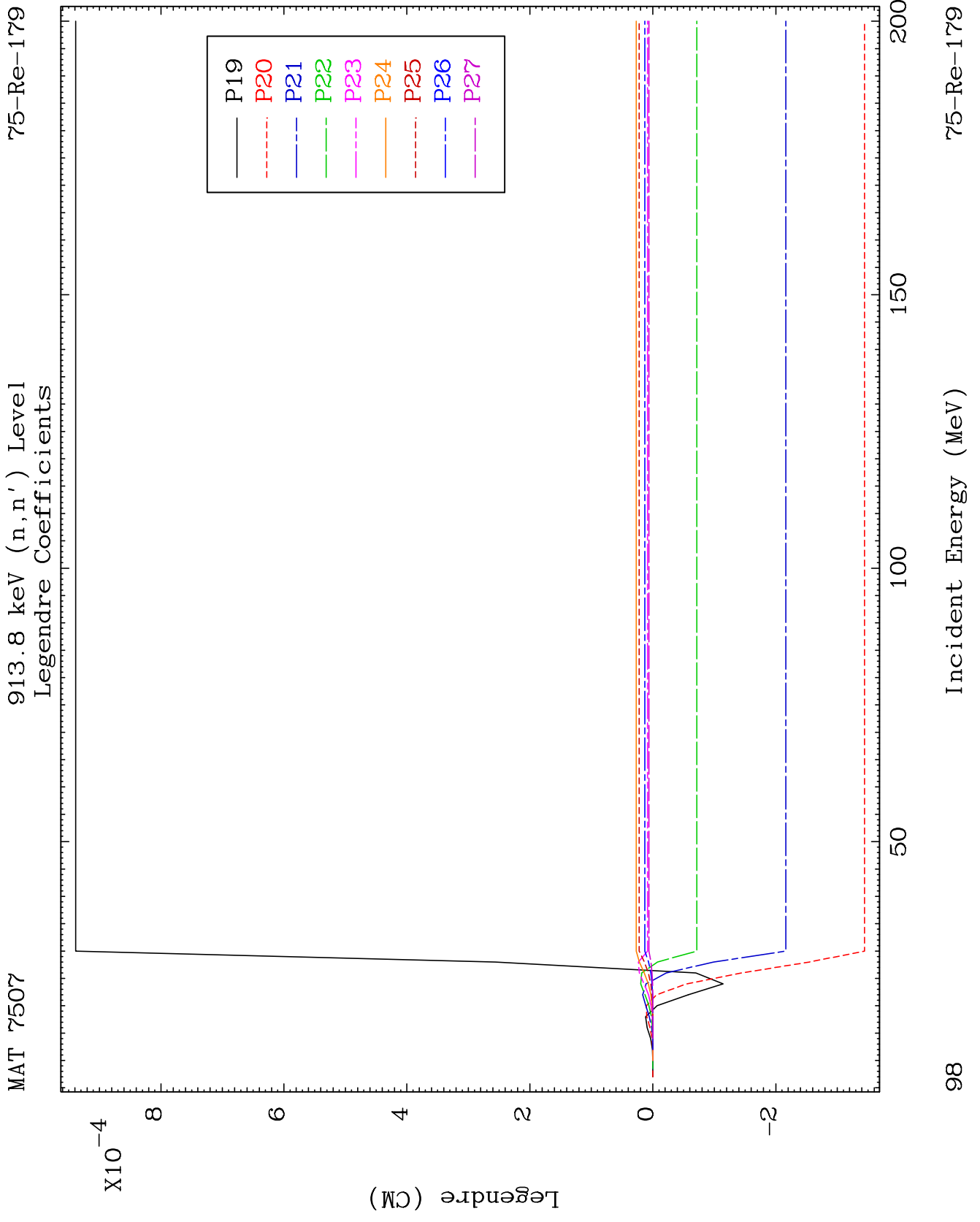


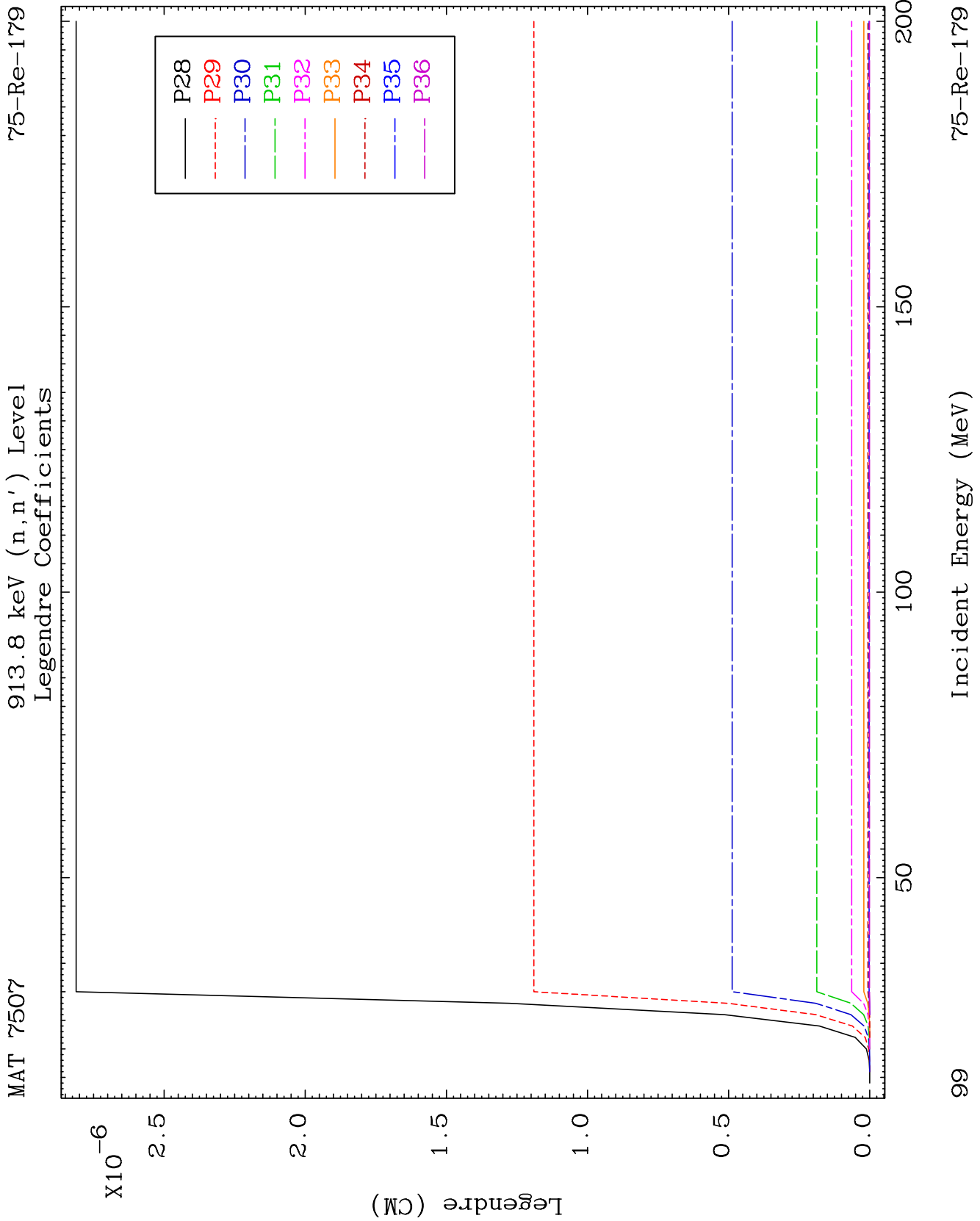


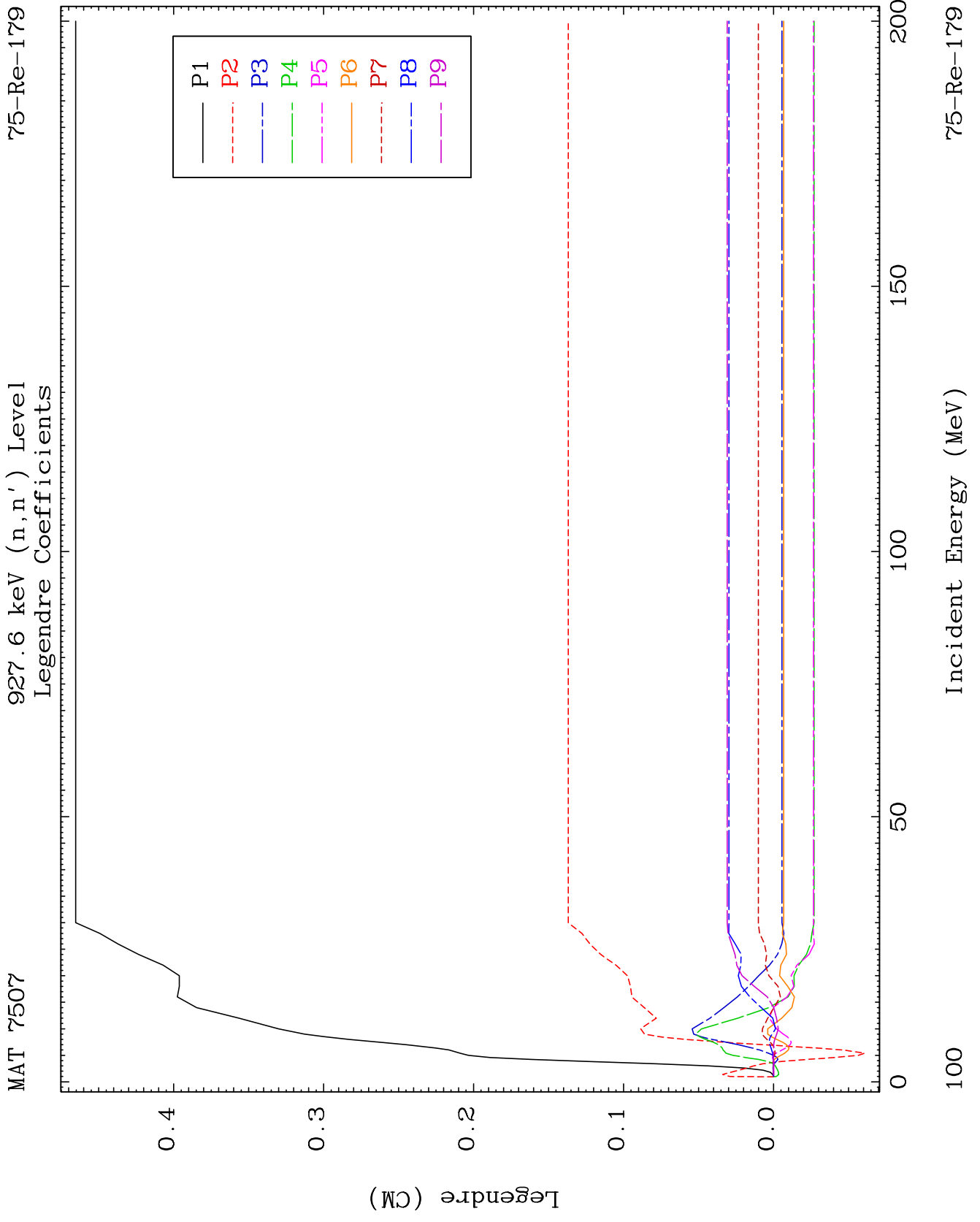


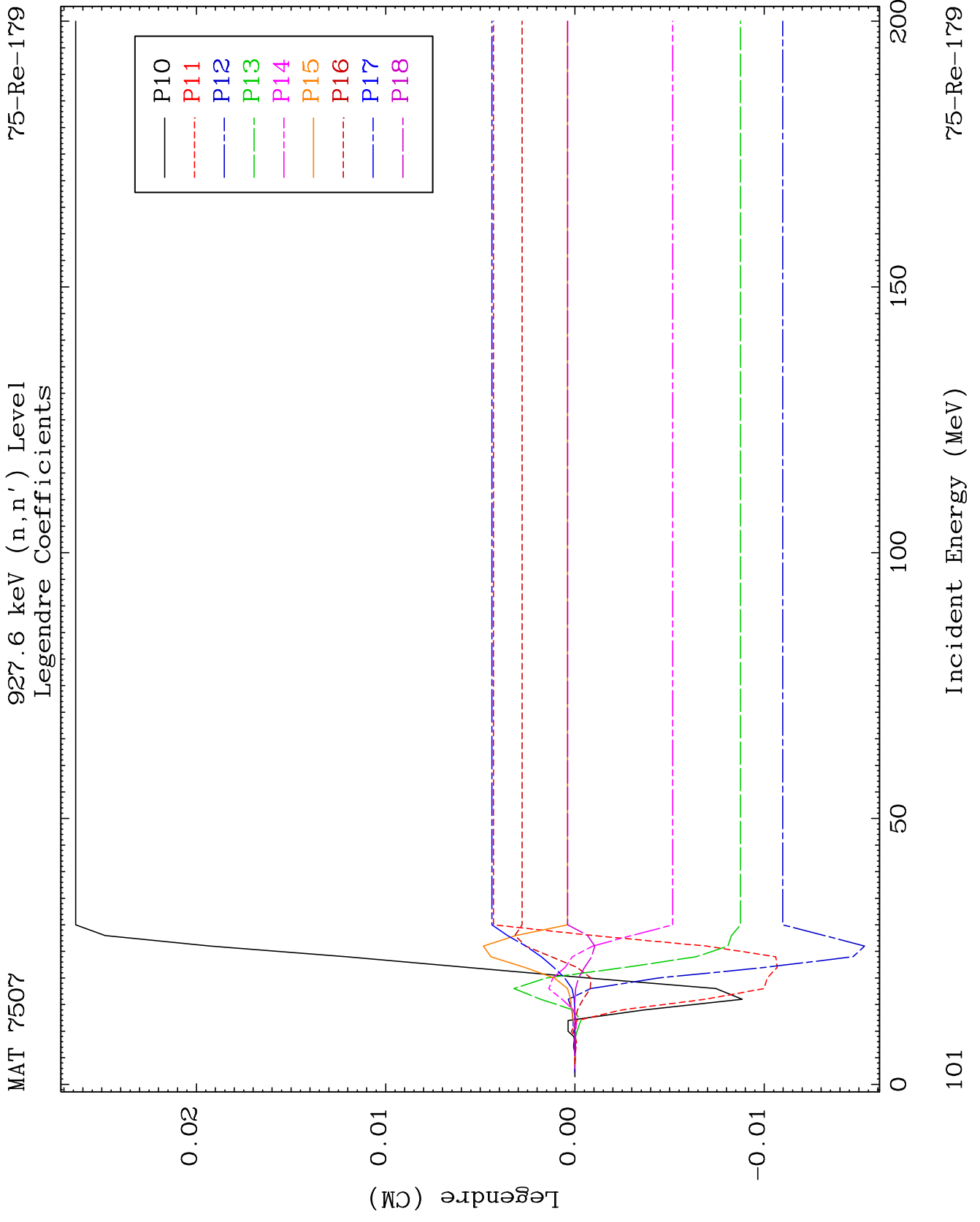


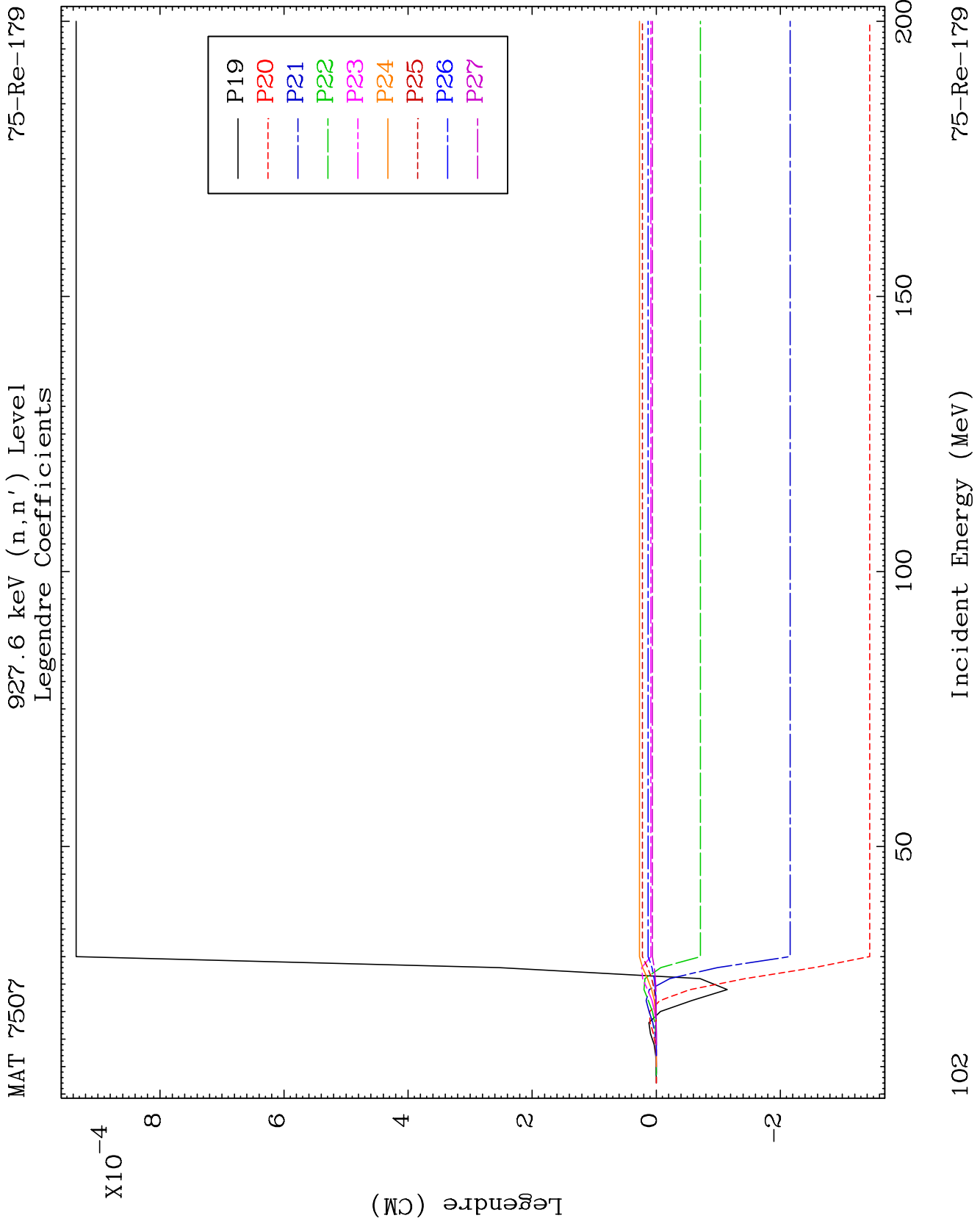


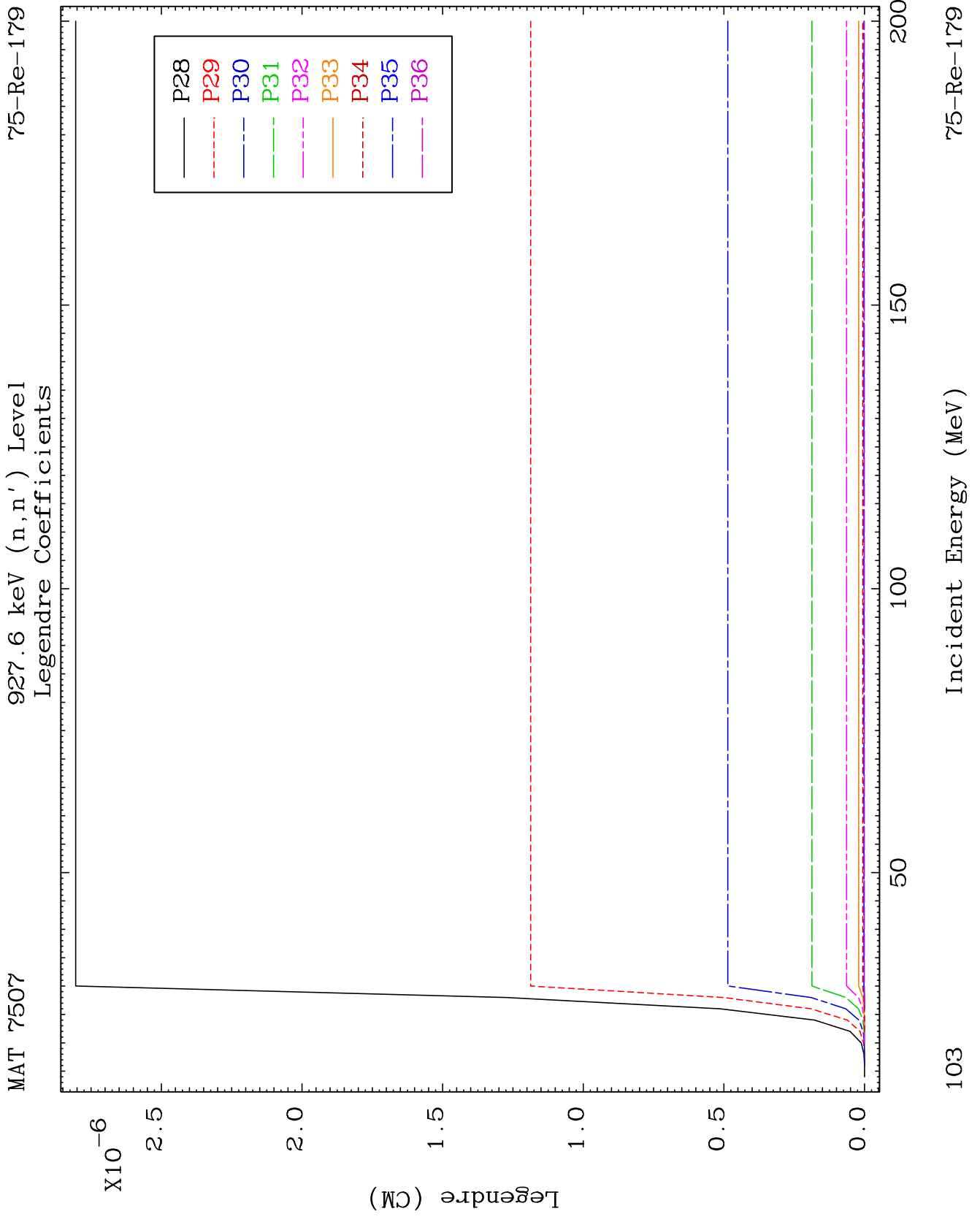












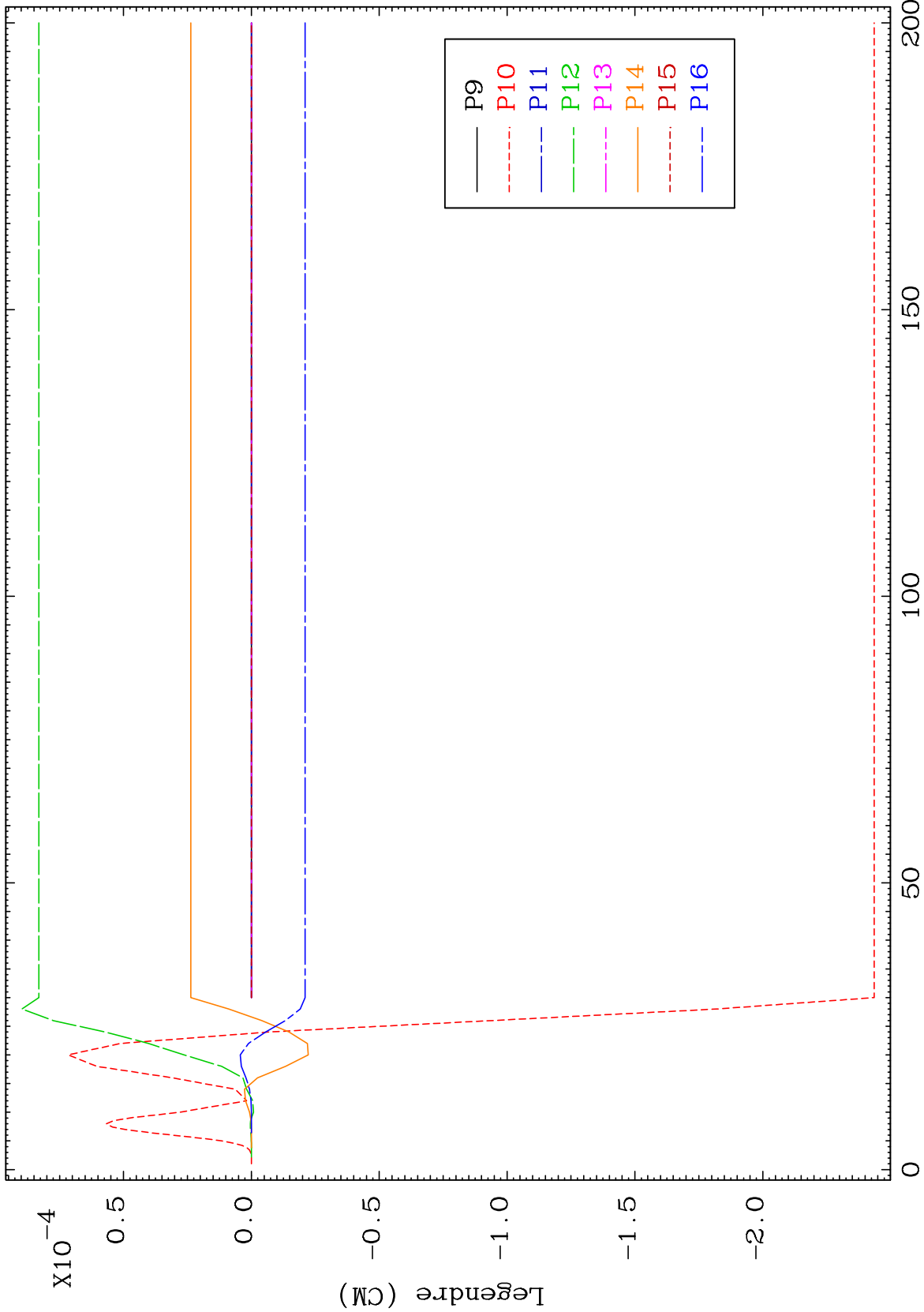




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962.2 keV (n,n') Level  
Legendre Coefficients

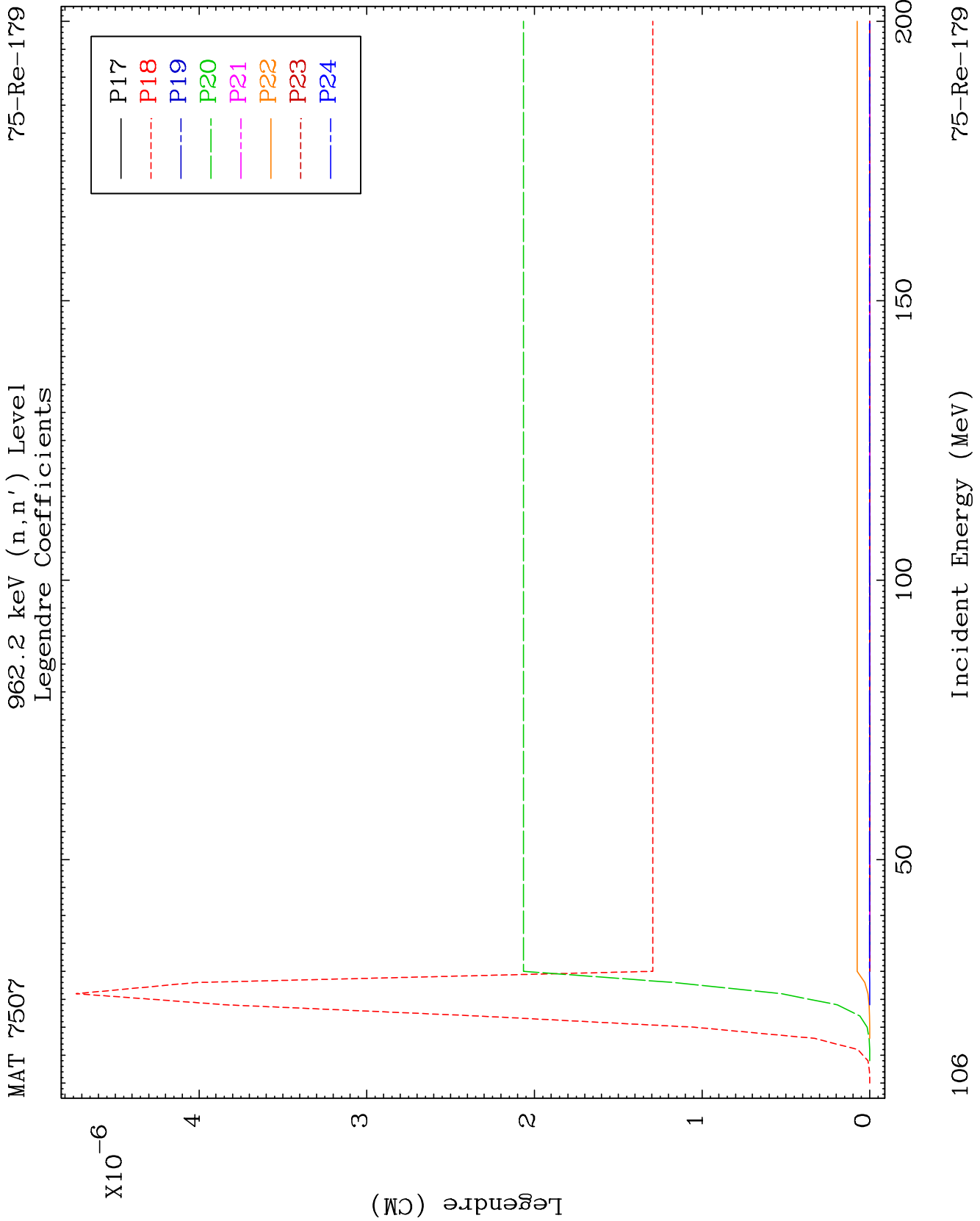
75-Re-179



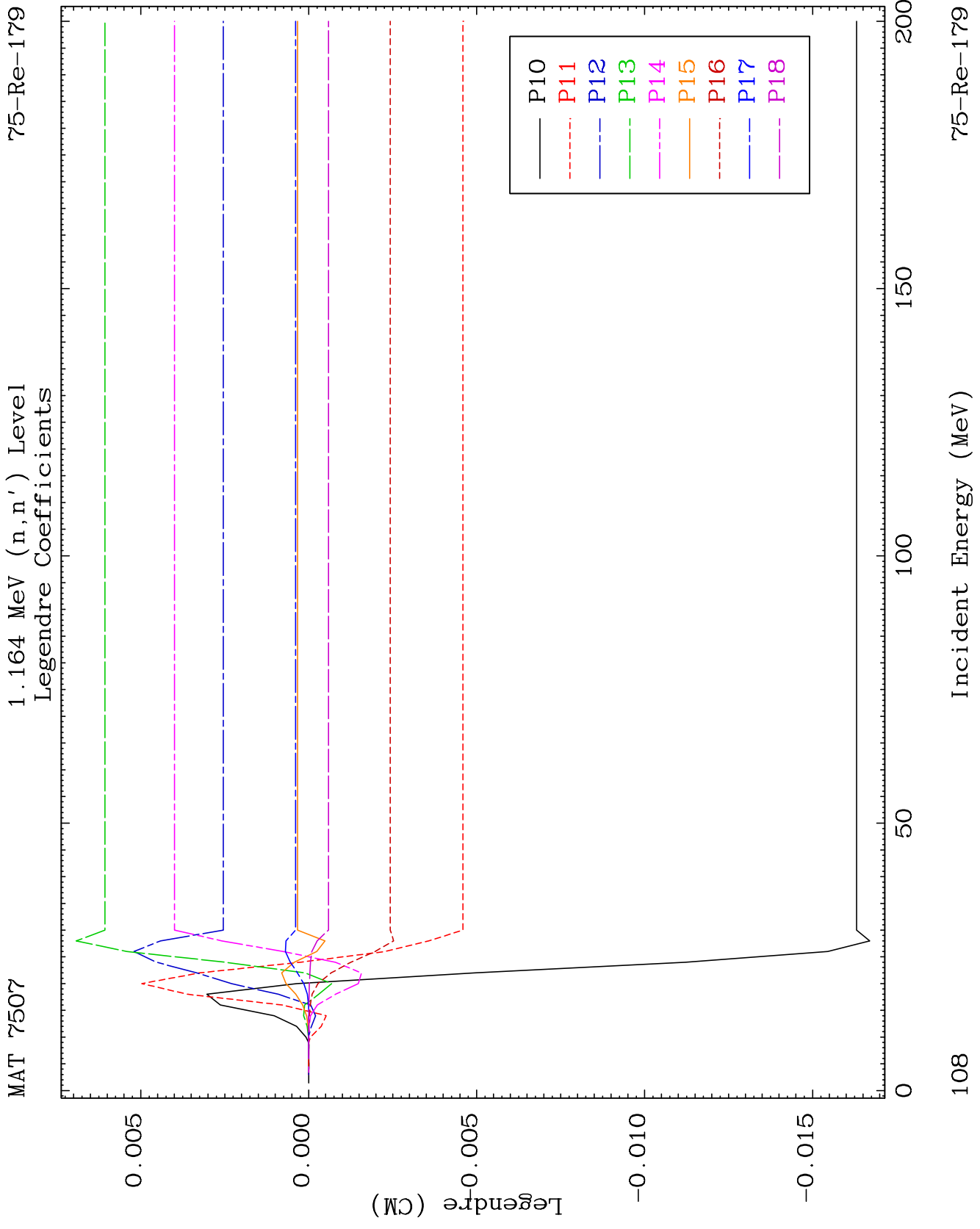
105

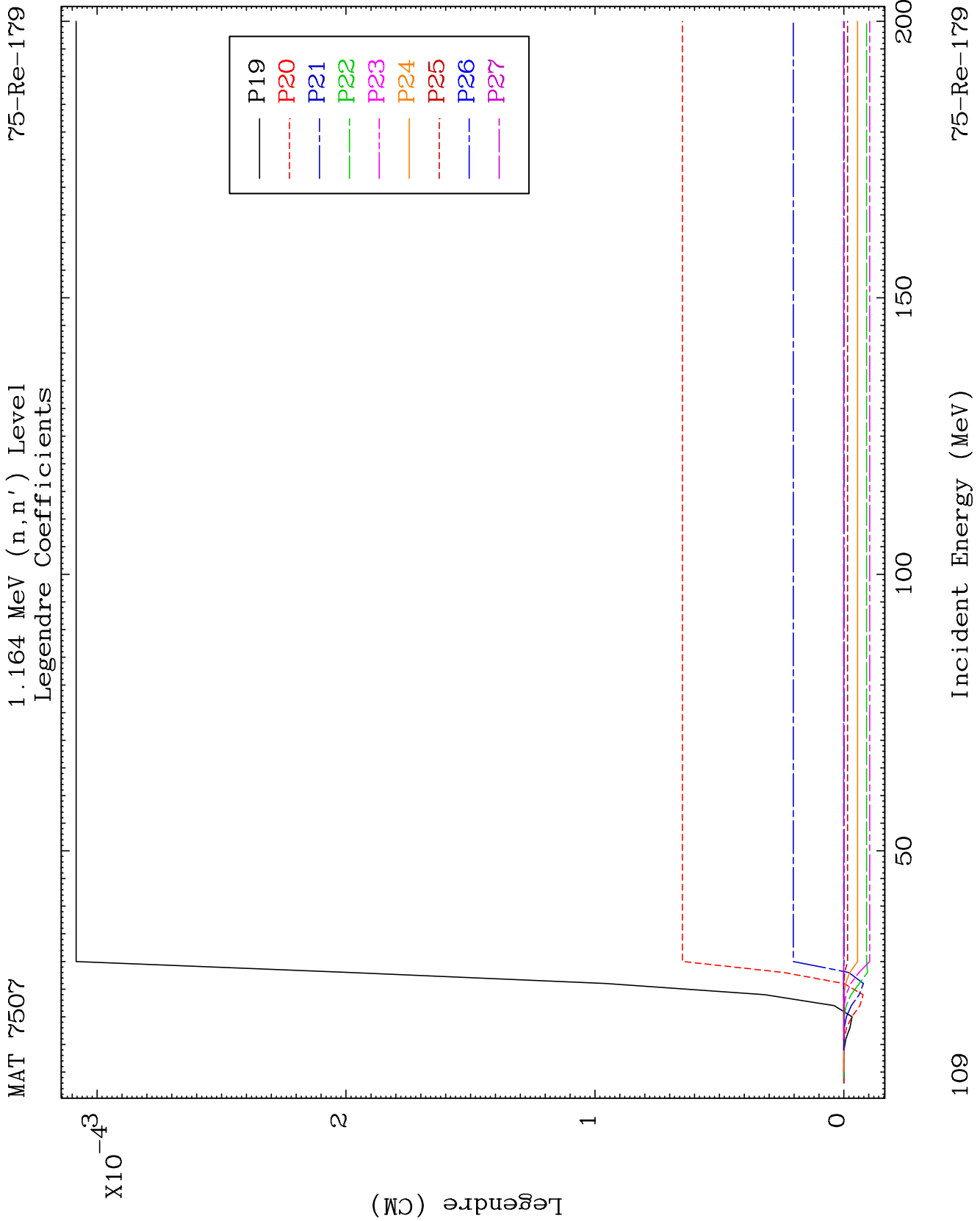
Incident Energy (MeV)

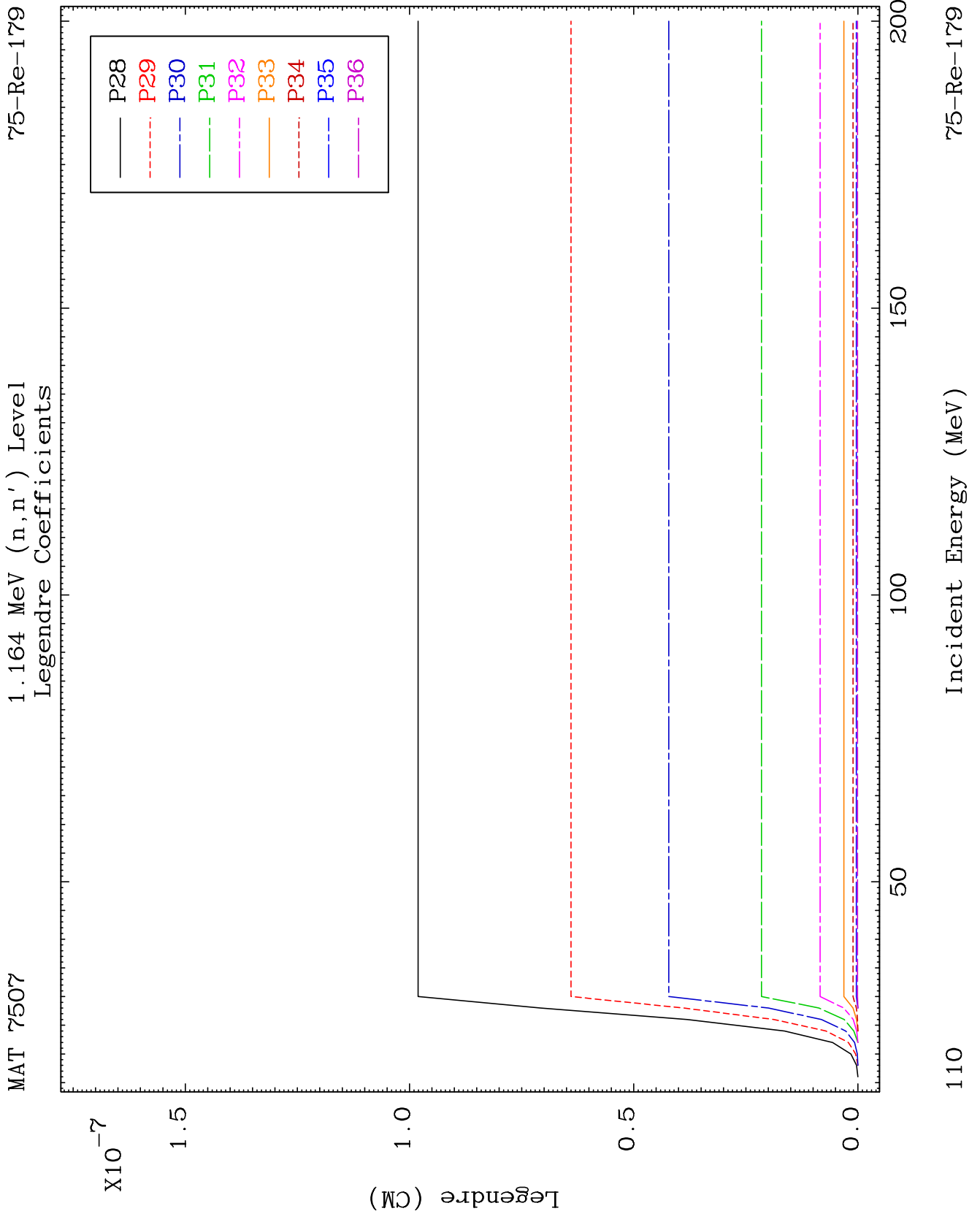
75-Re-179

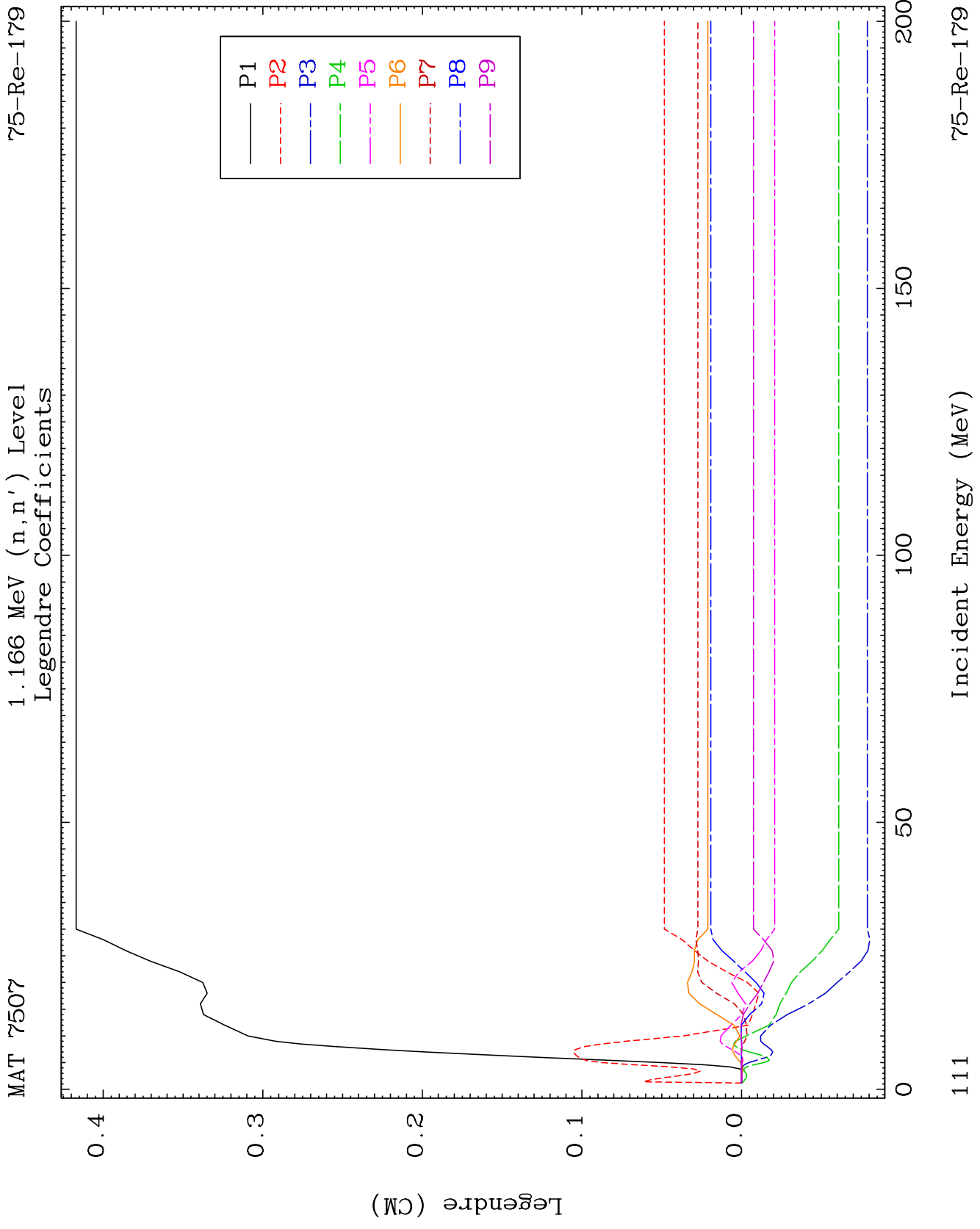




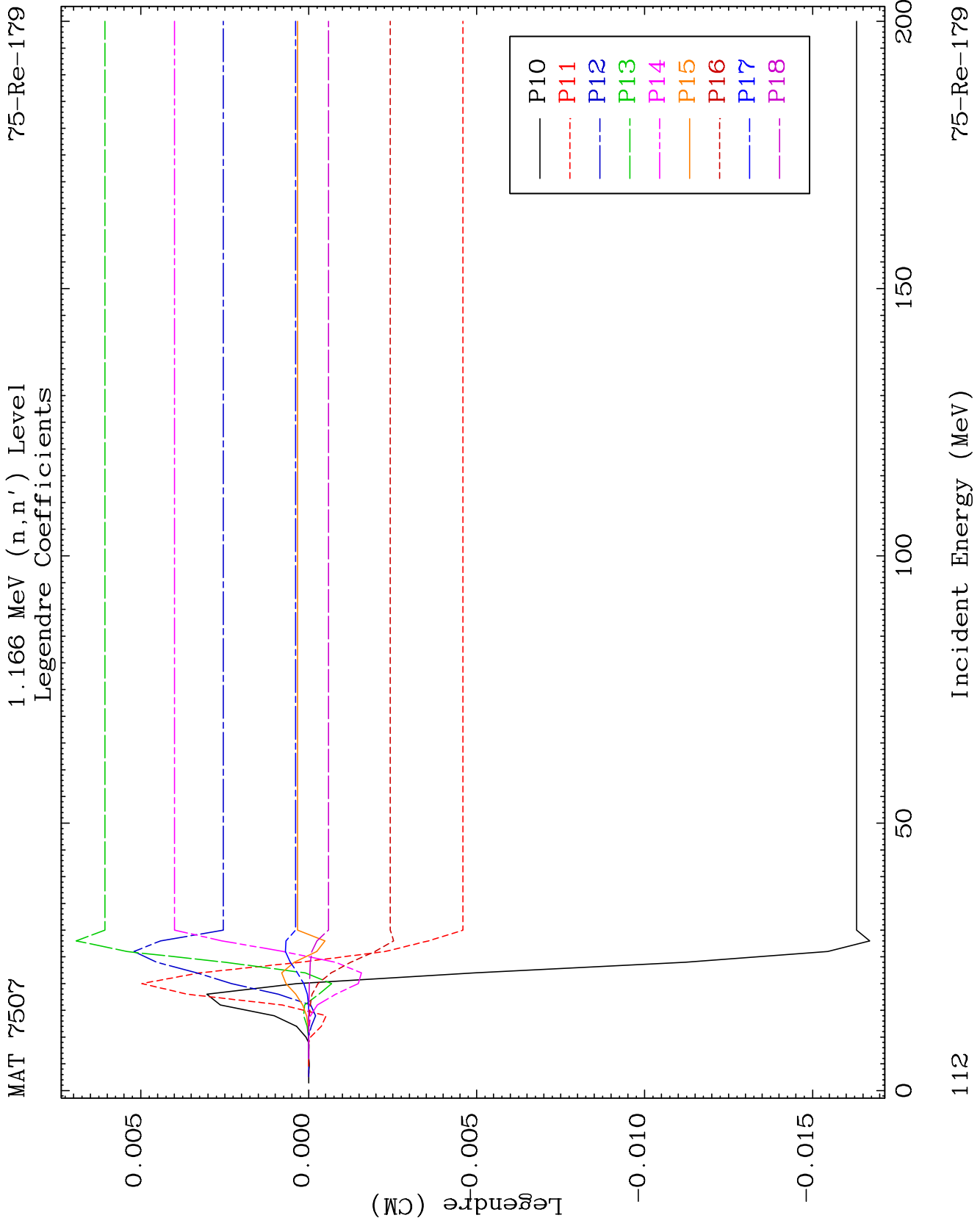


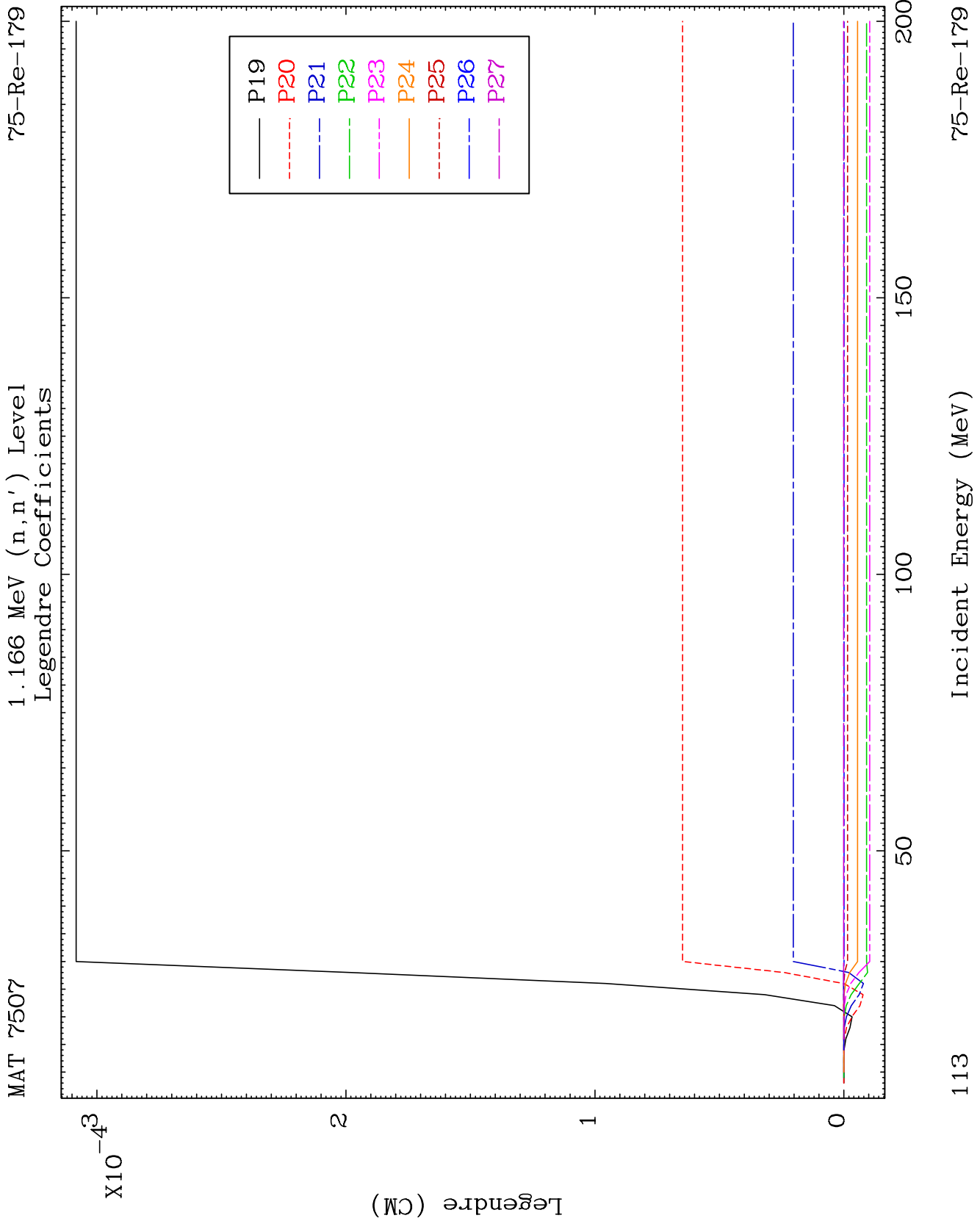








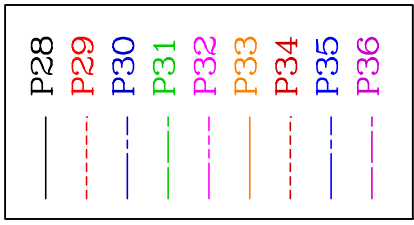
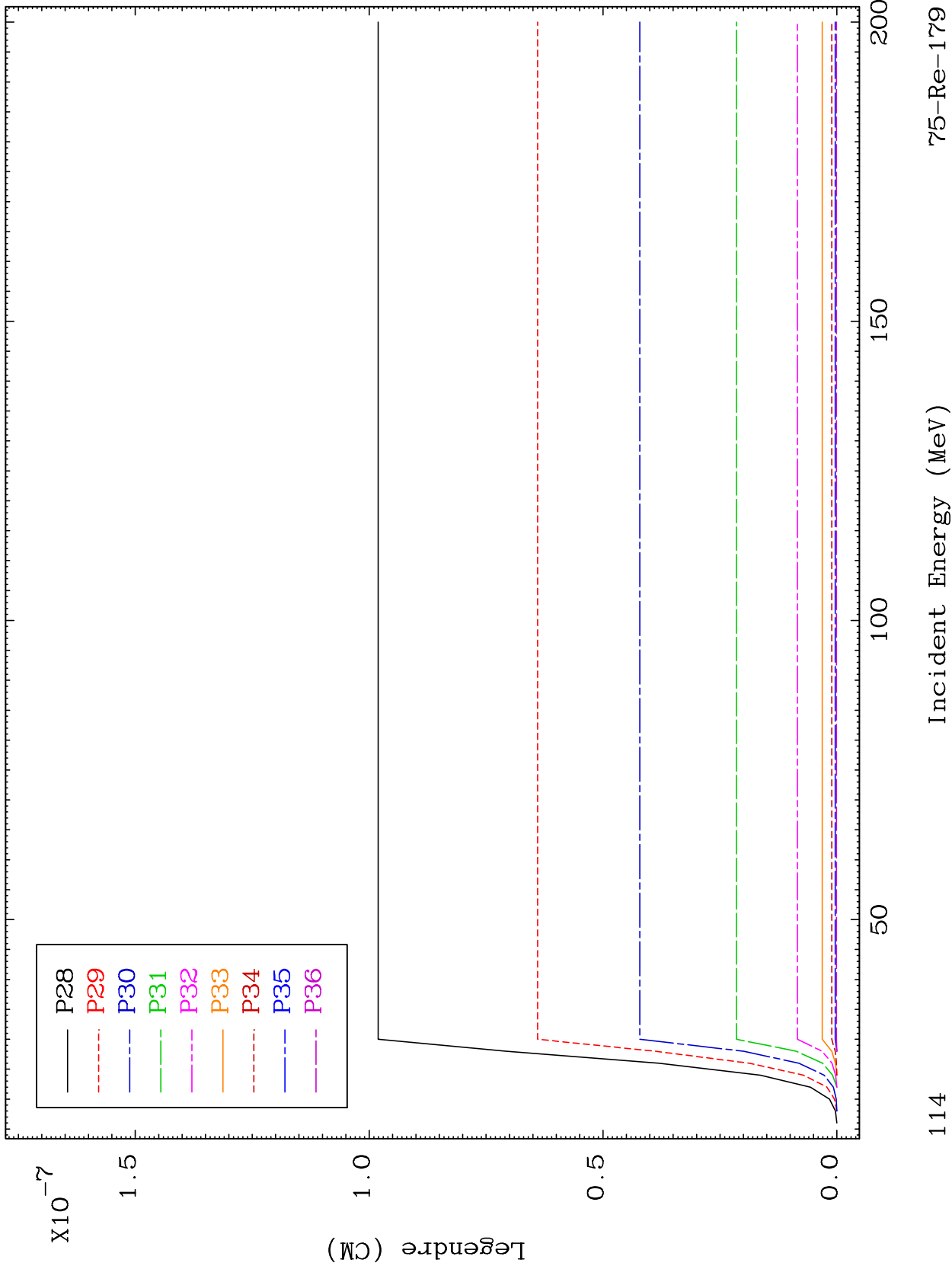




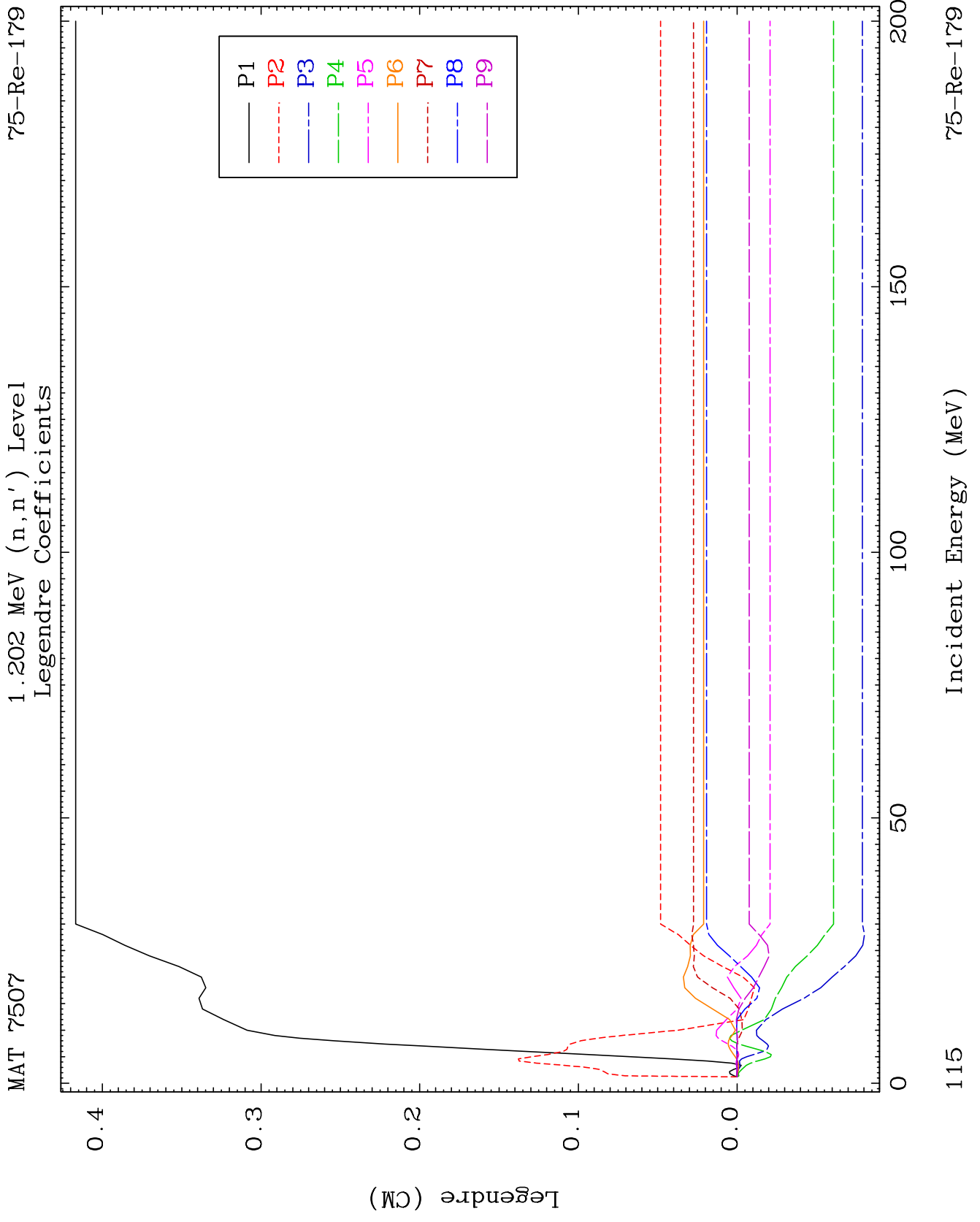
MAT 7507

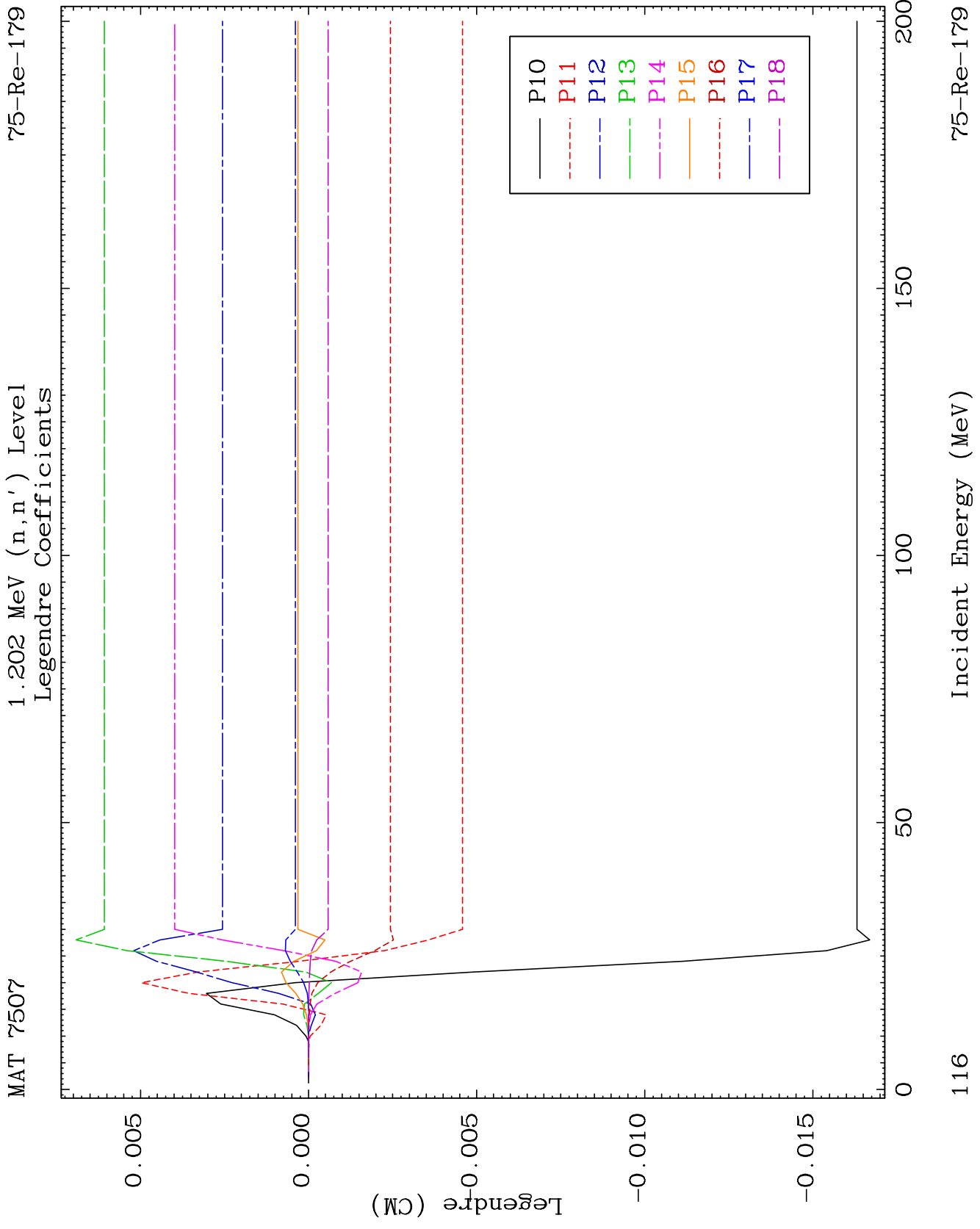
1.166 MeV (n,n') Level Legendre Coefficients

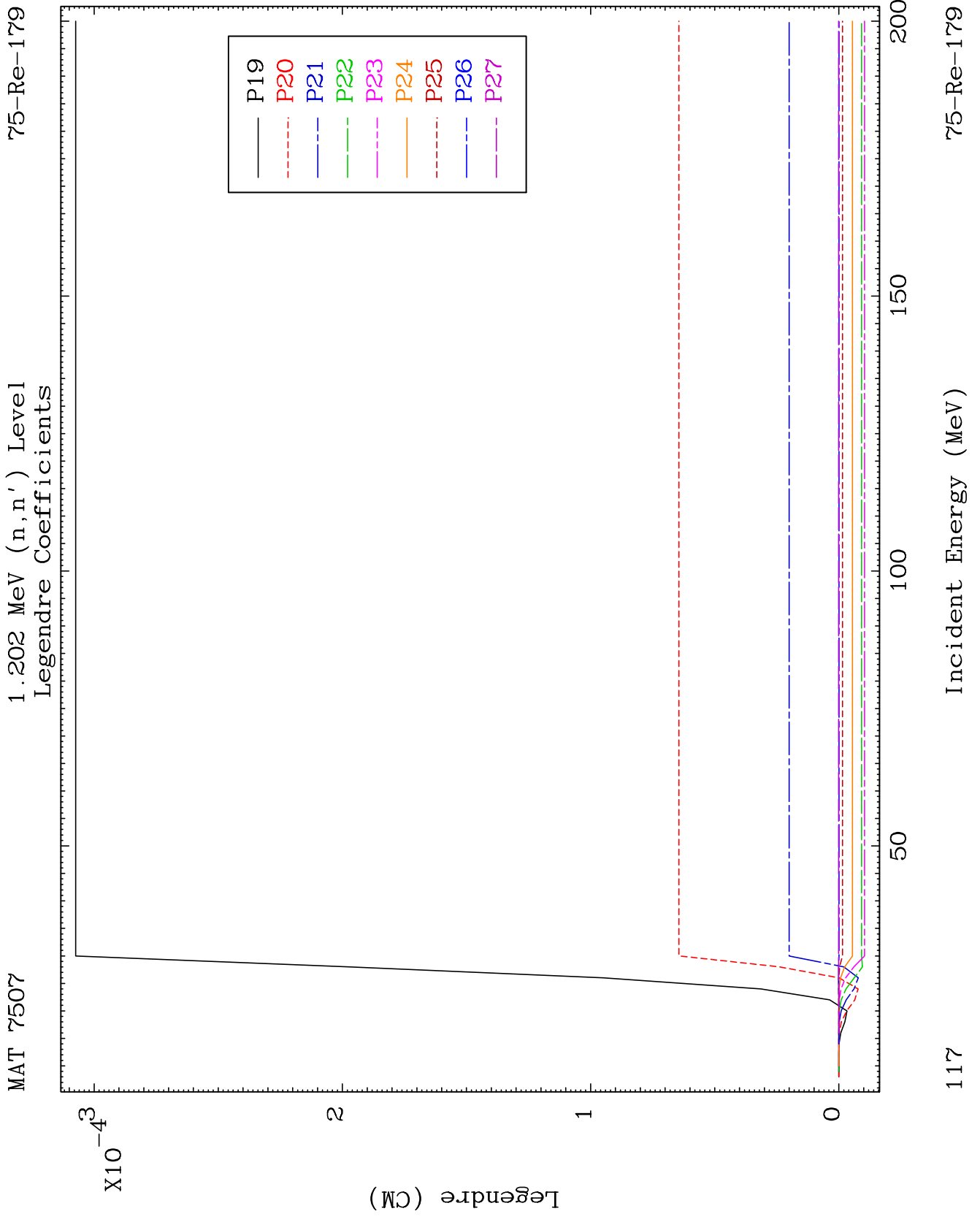
75-Re-179



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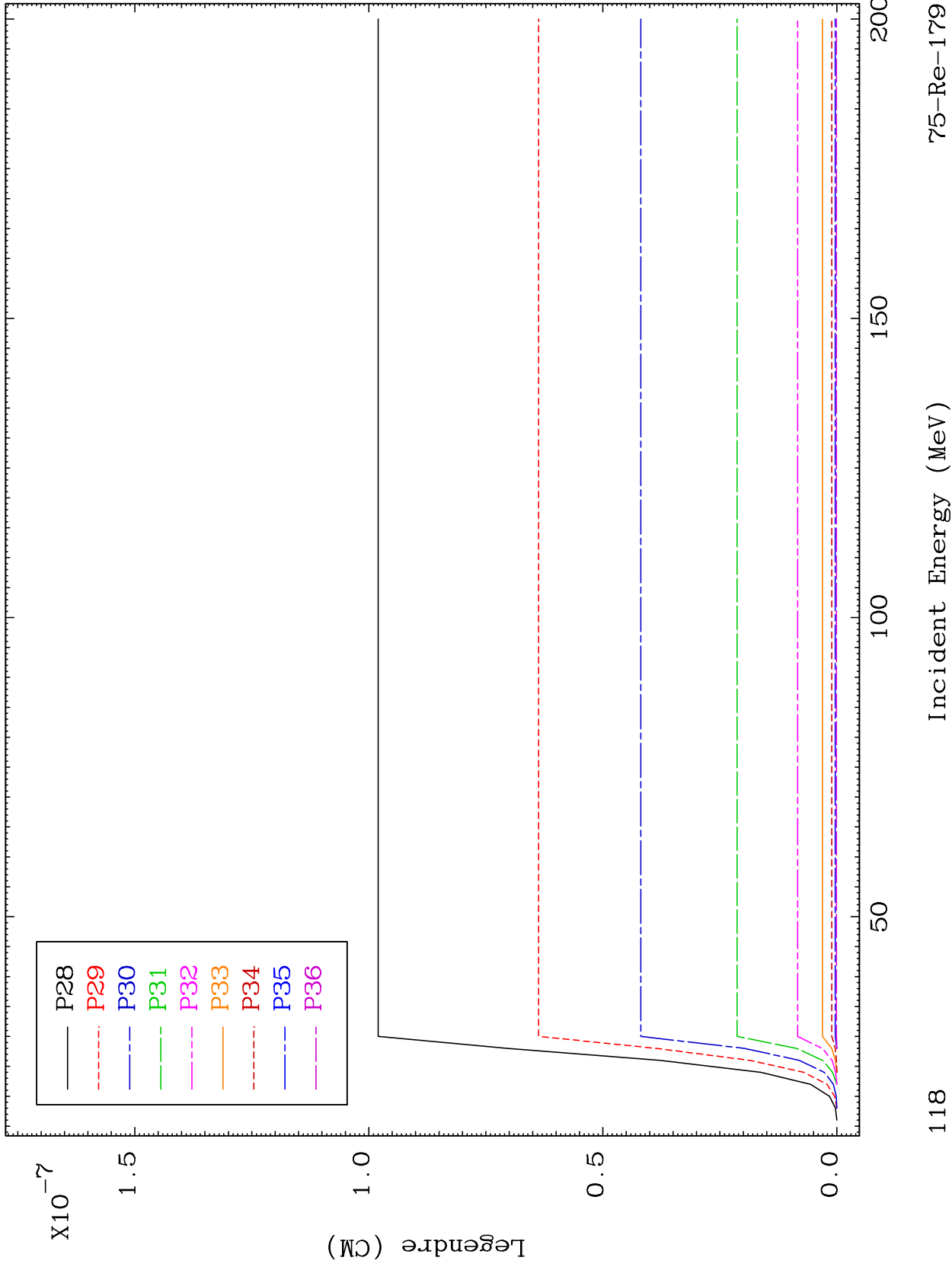




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1.202 MeV (n,n') Level  
Legendre Coefficients

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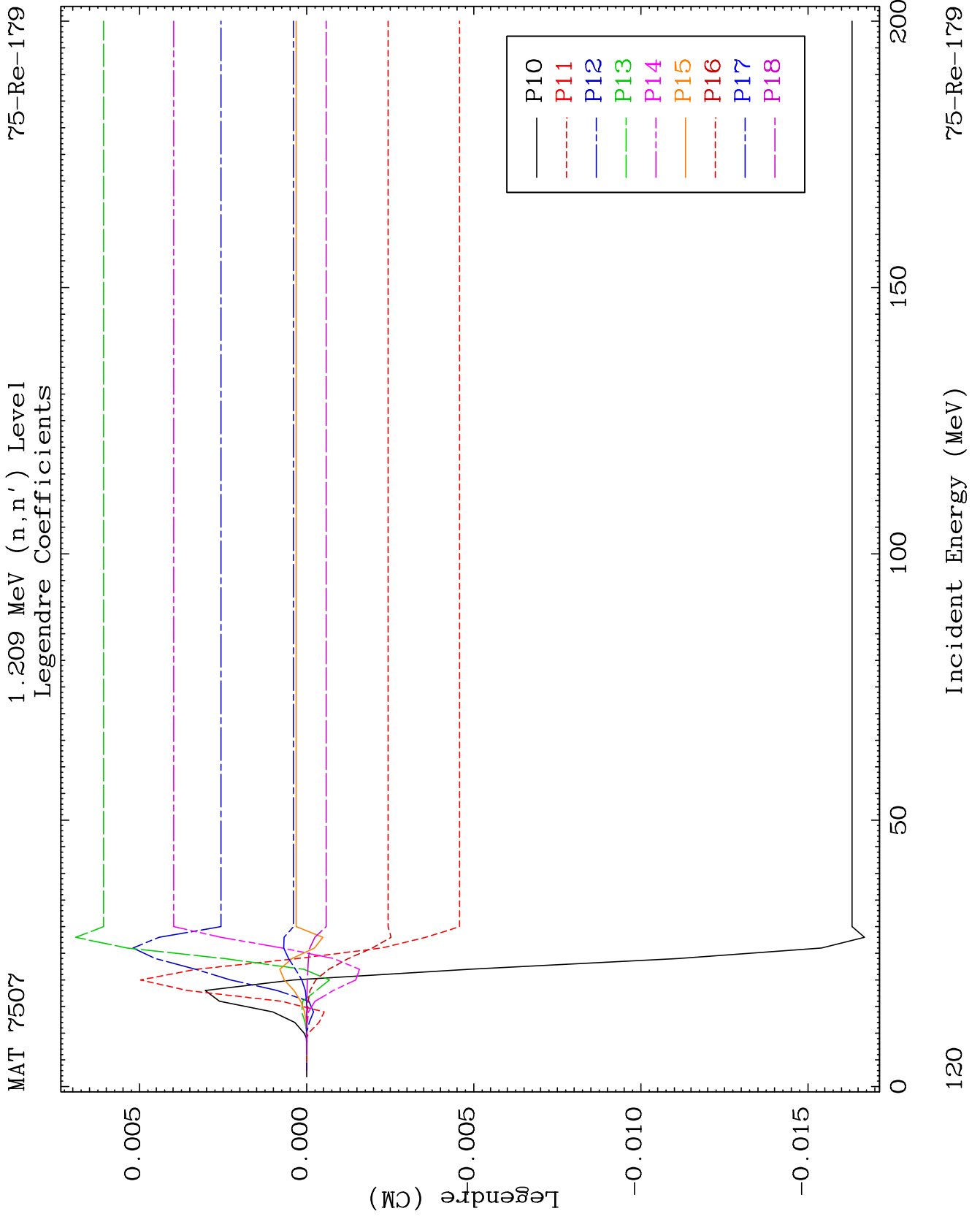
118

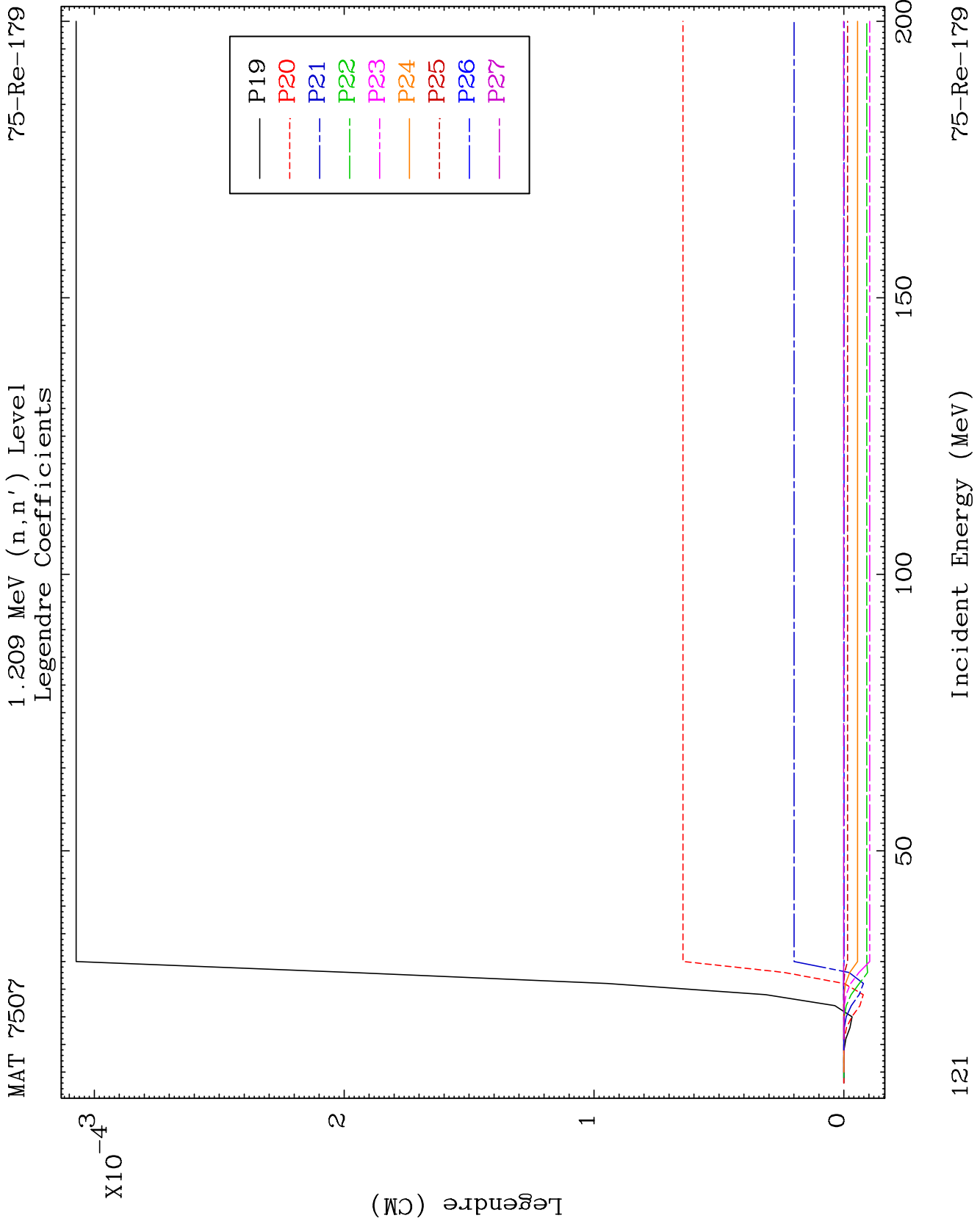
Incident Energy (MeV)

75-Re-179





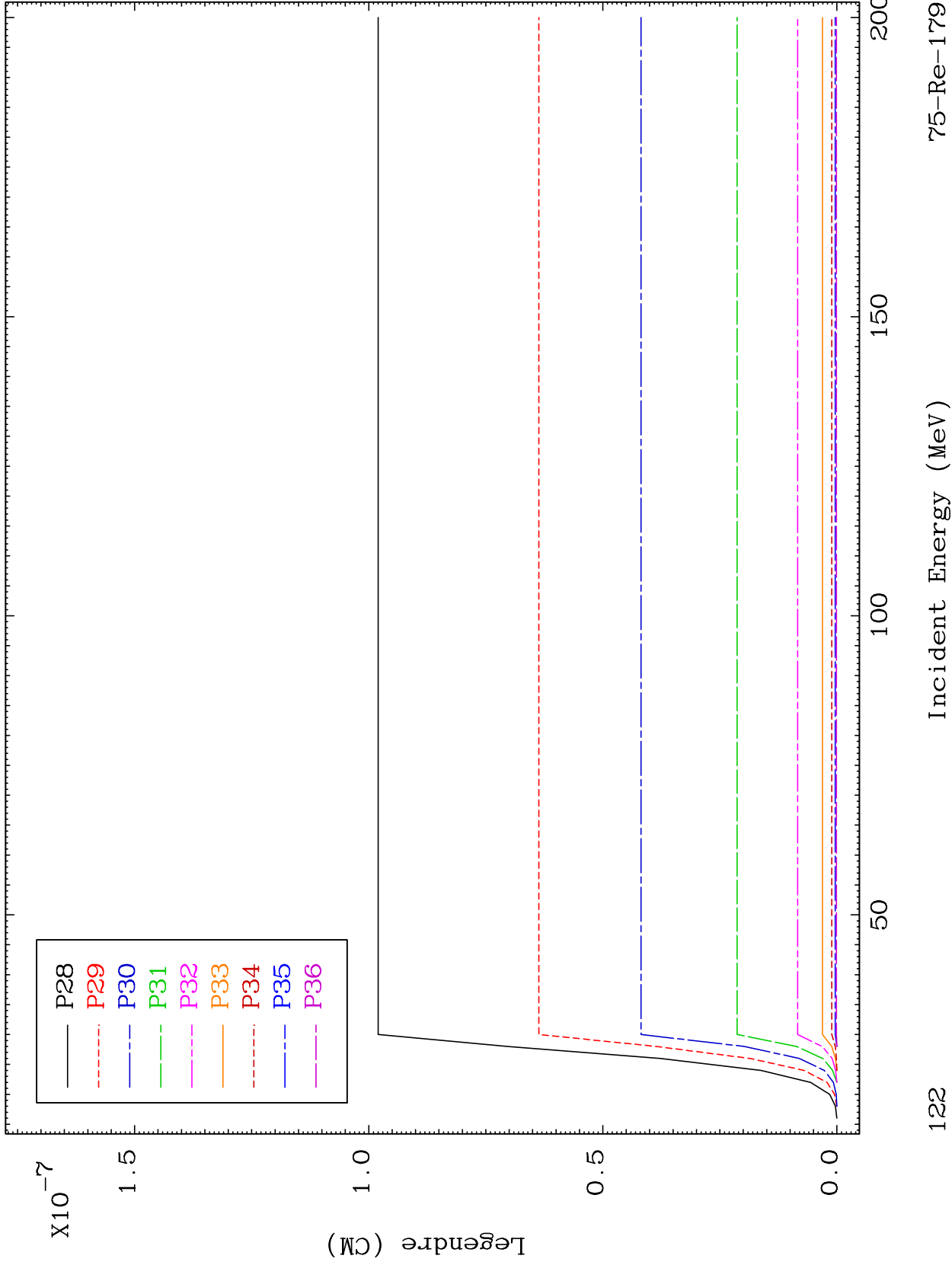




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1.209 MeV (n,n') Level Legendre Coefficients

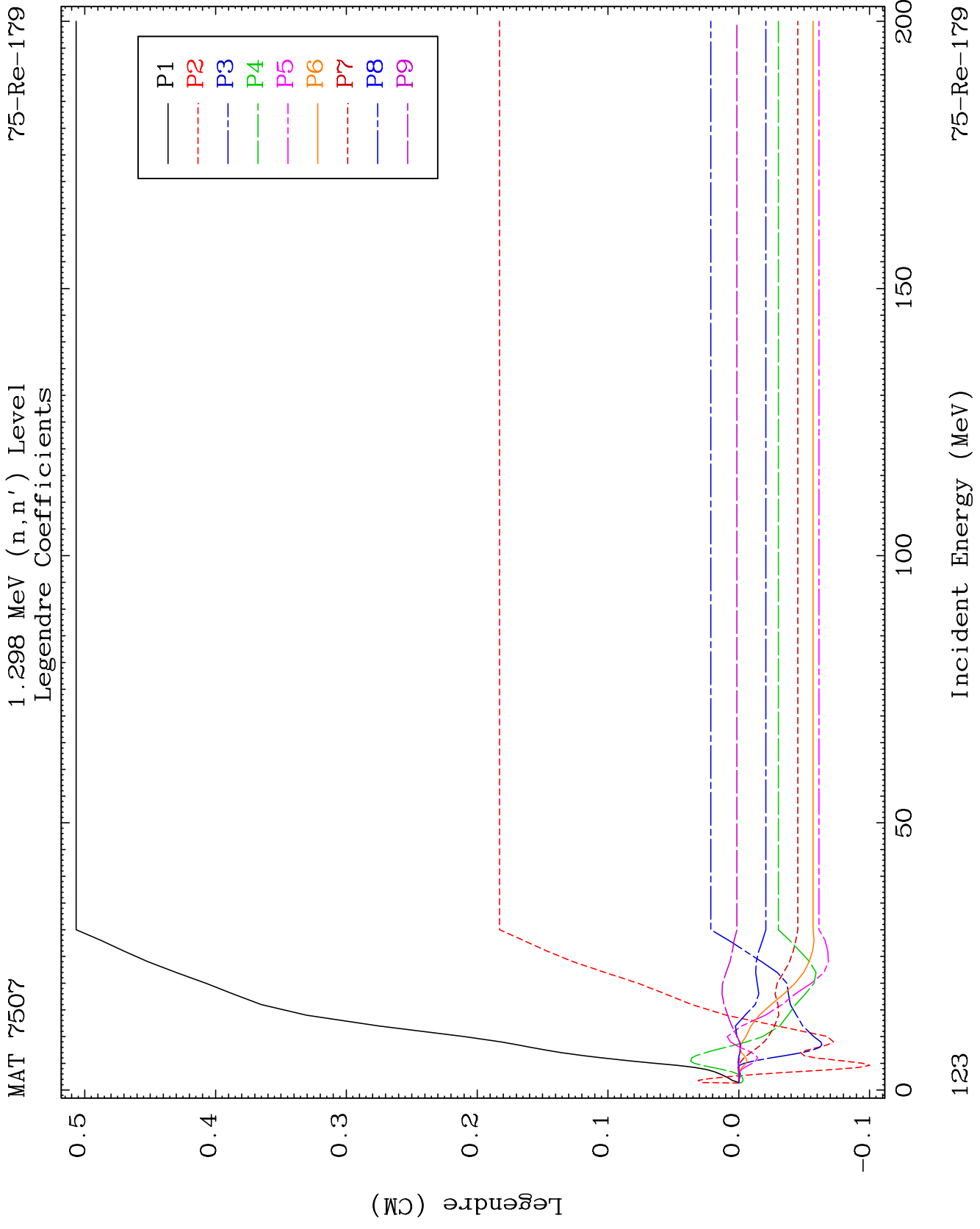
75-Re-179

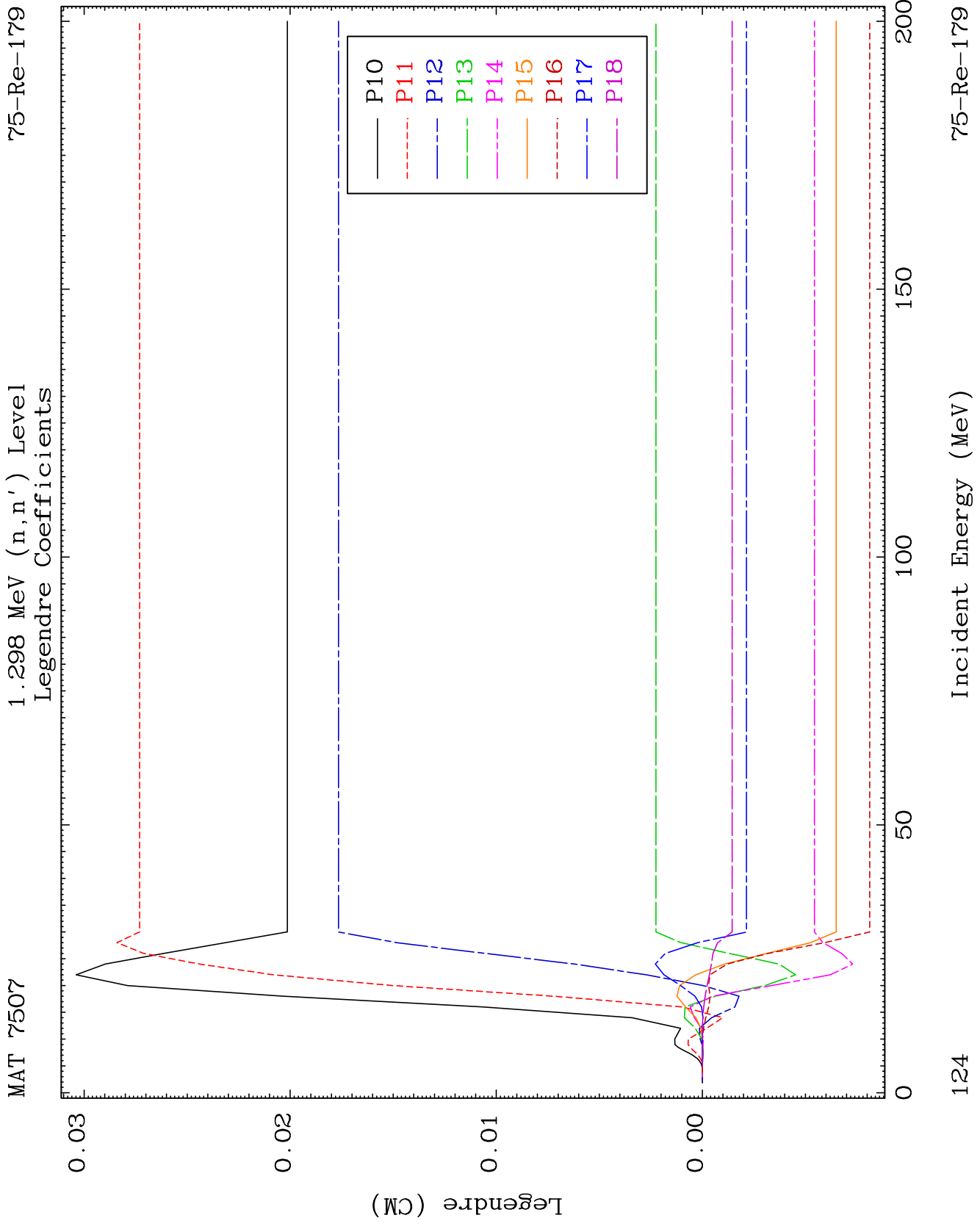


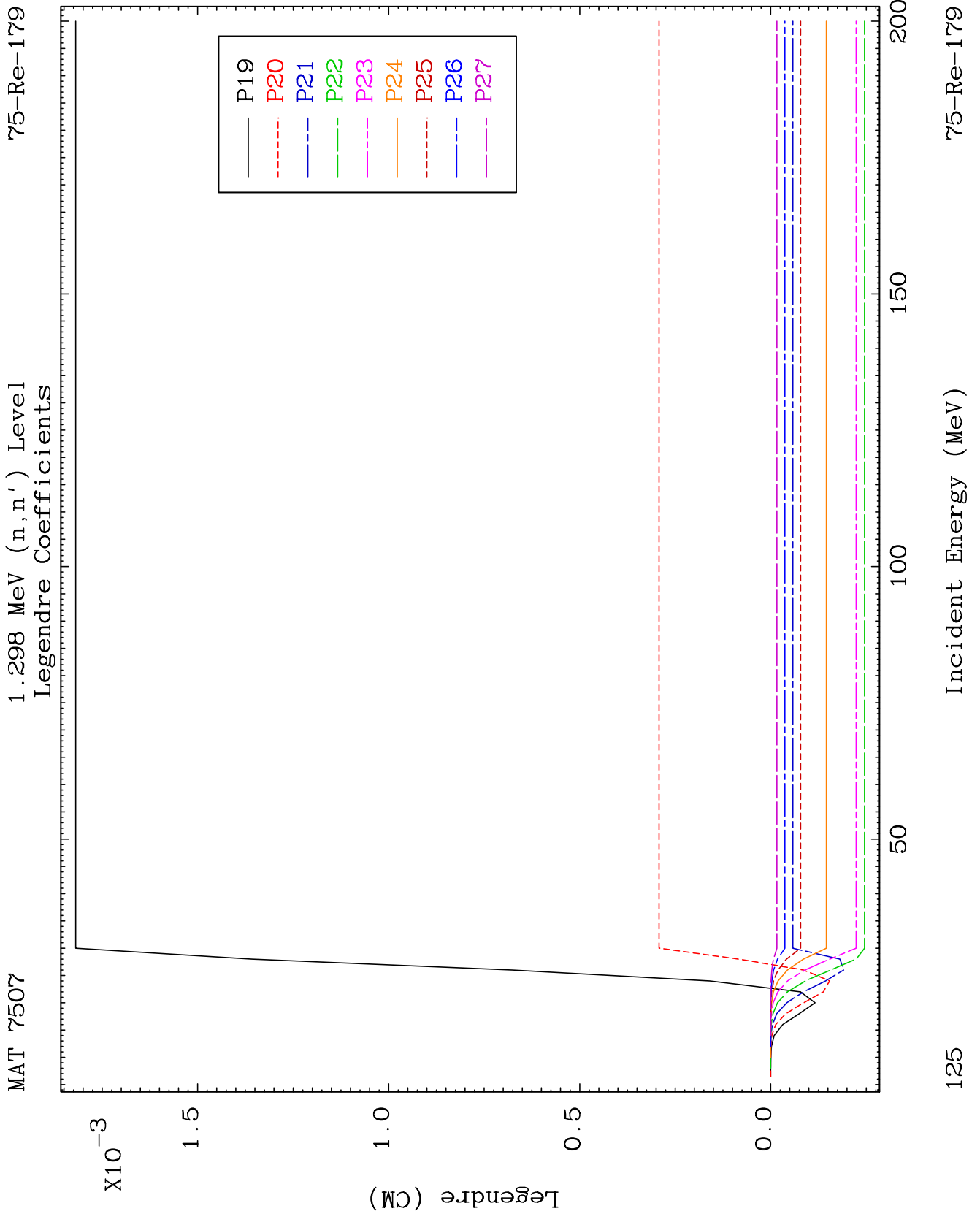
122

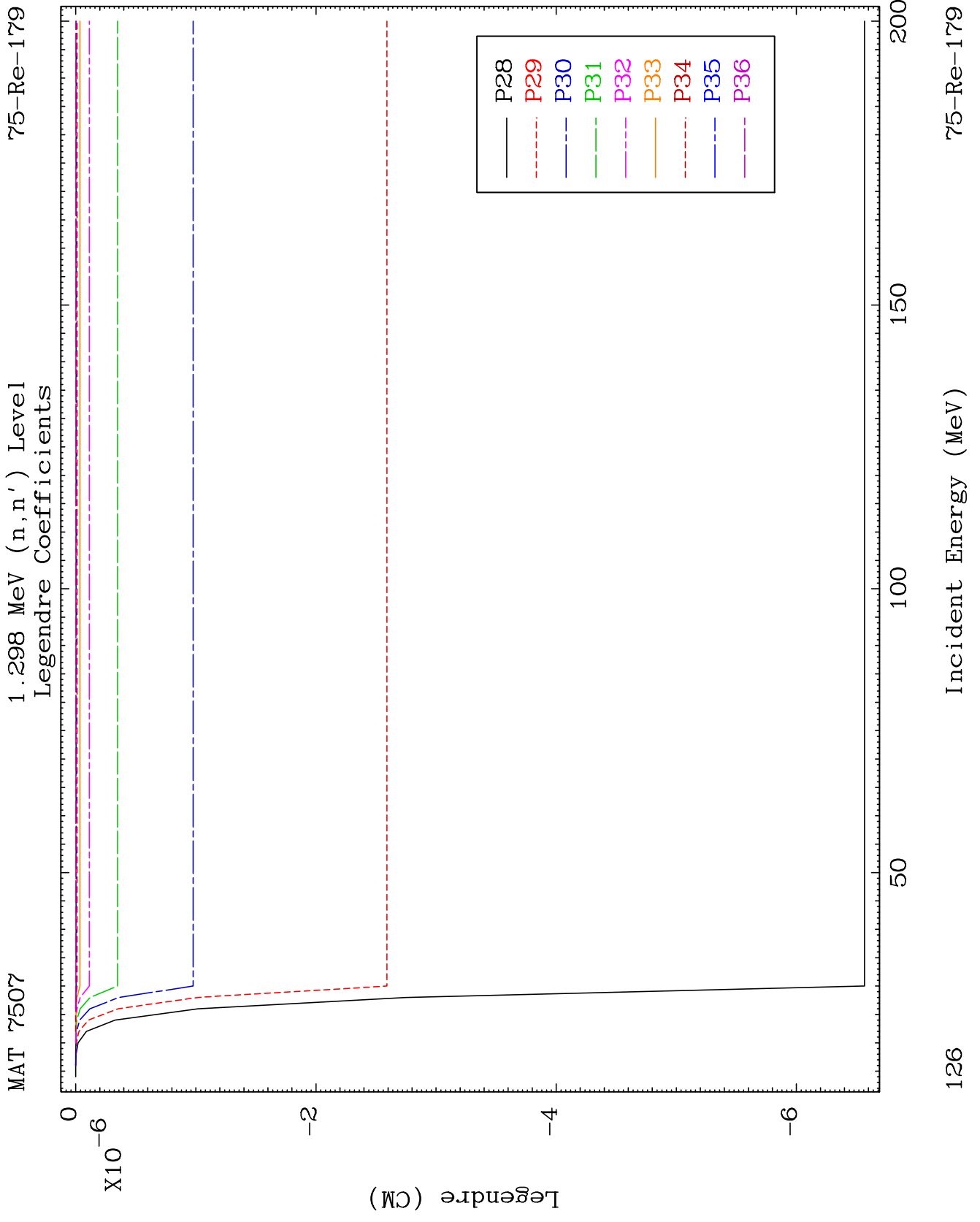
Incident Energy (MeV)

75-Re-179



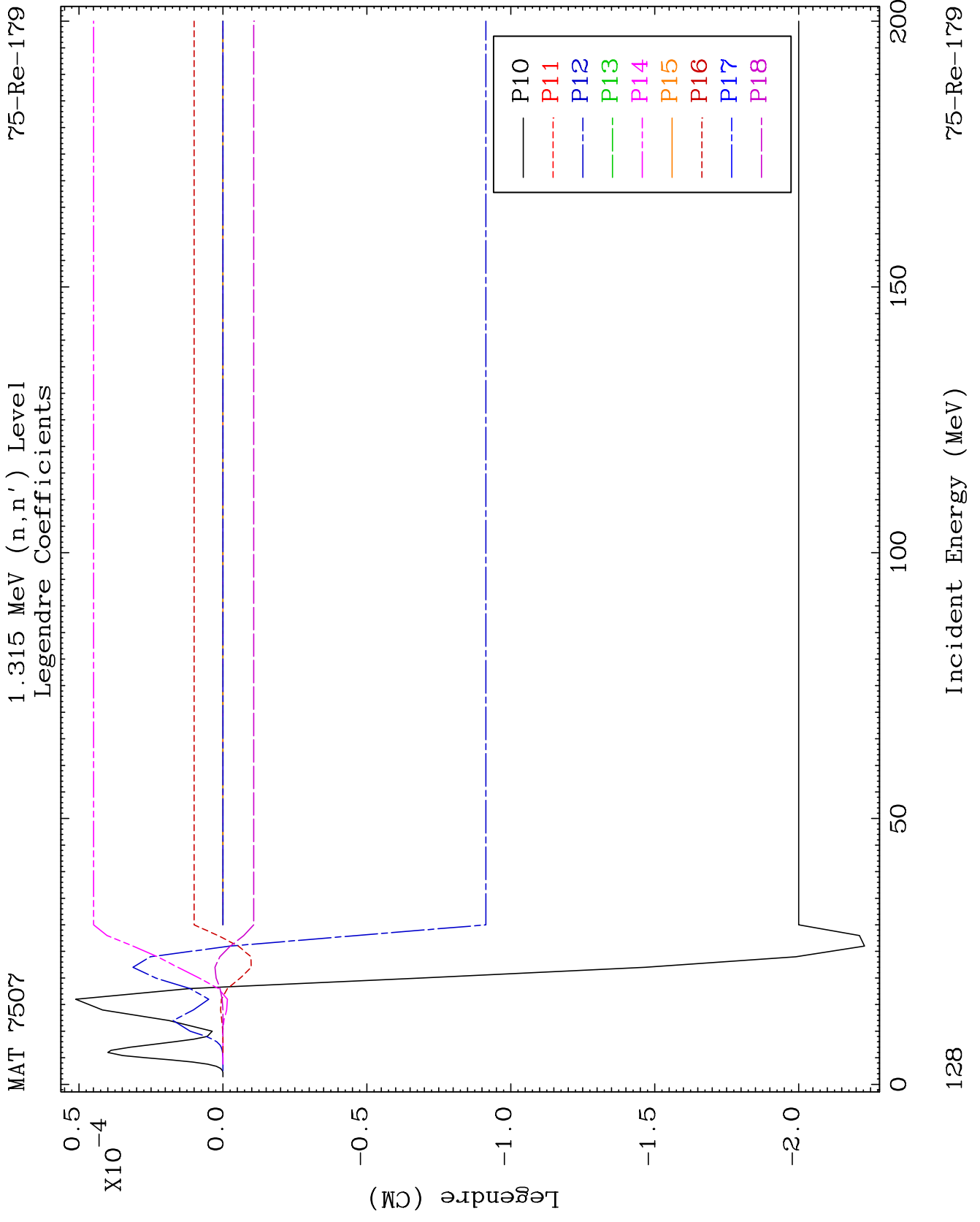


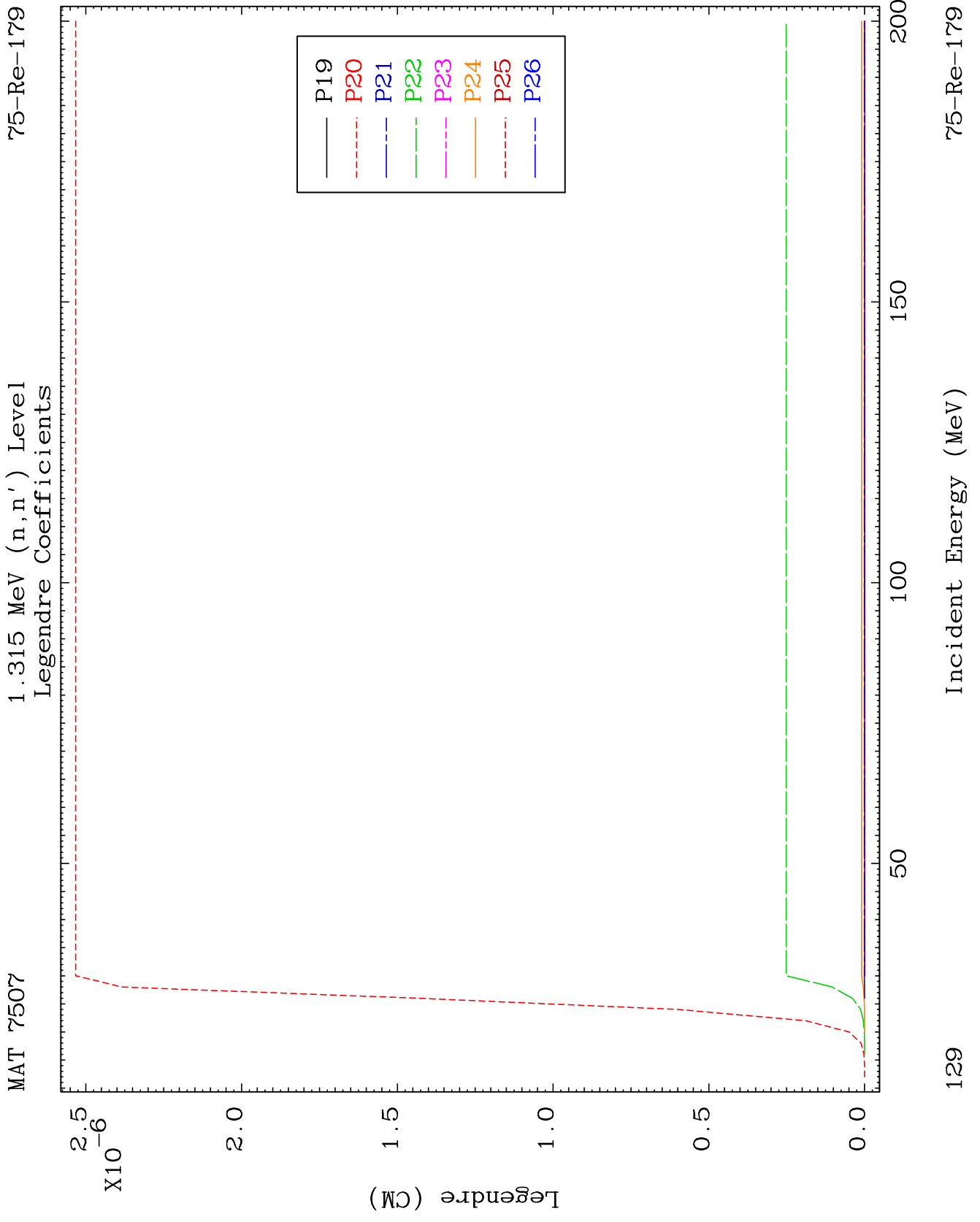


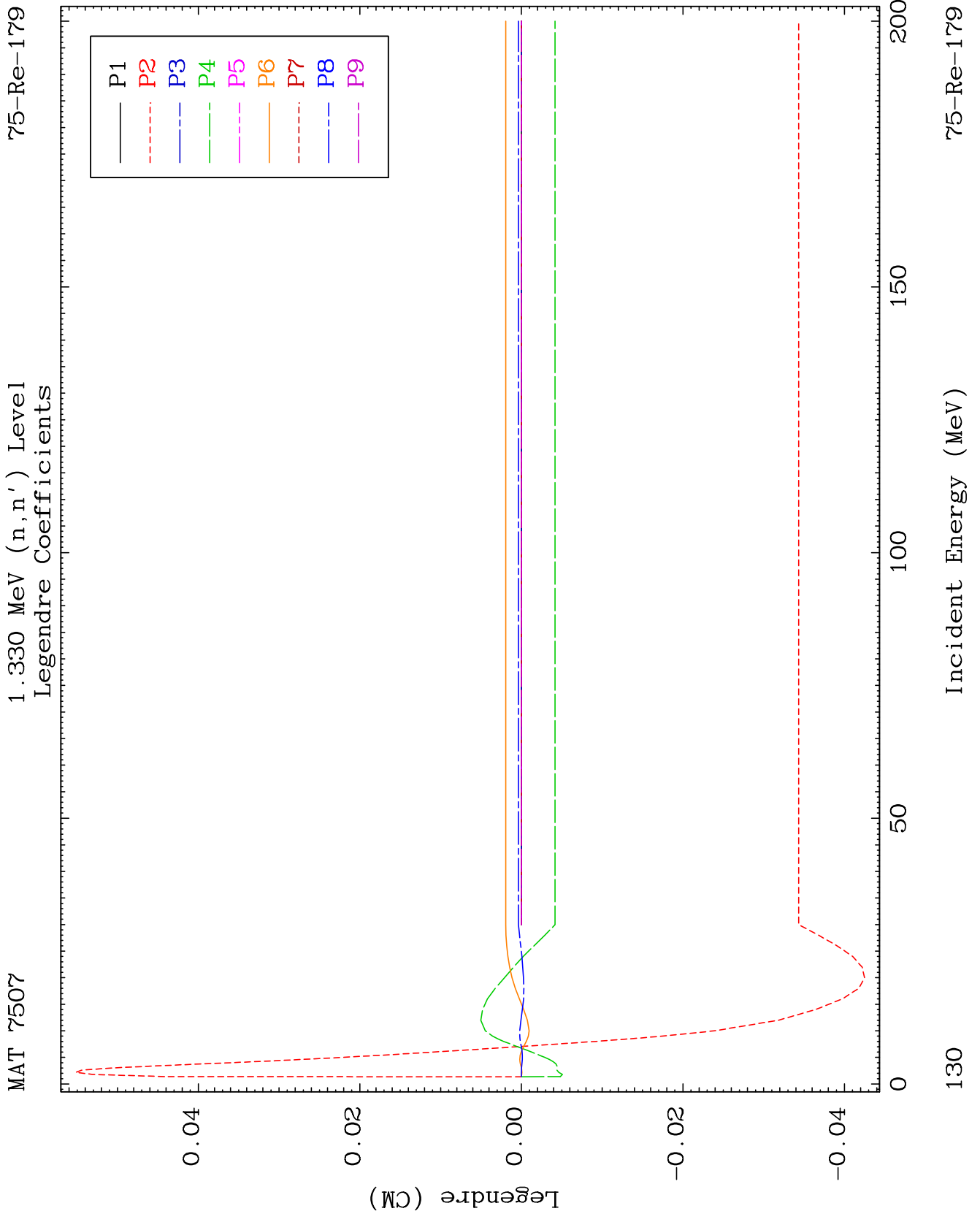


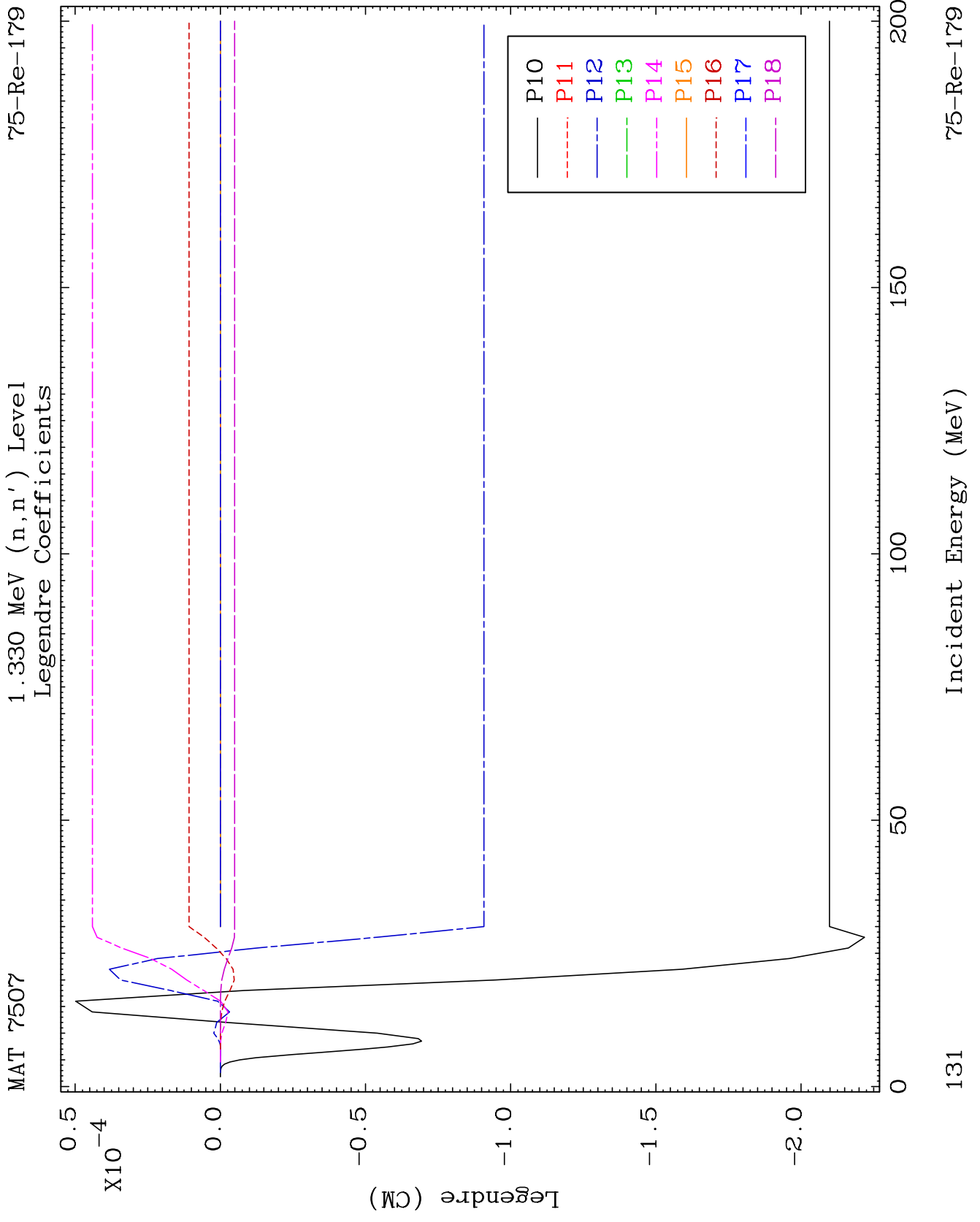




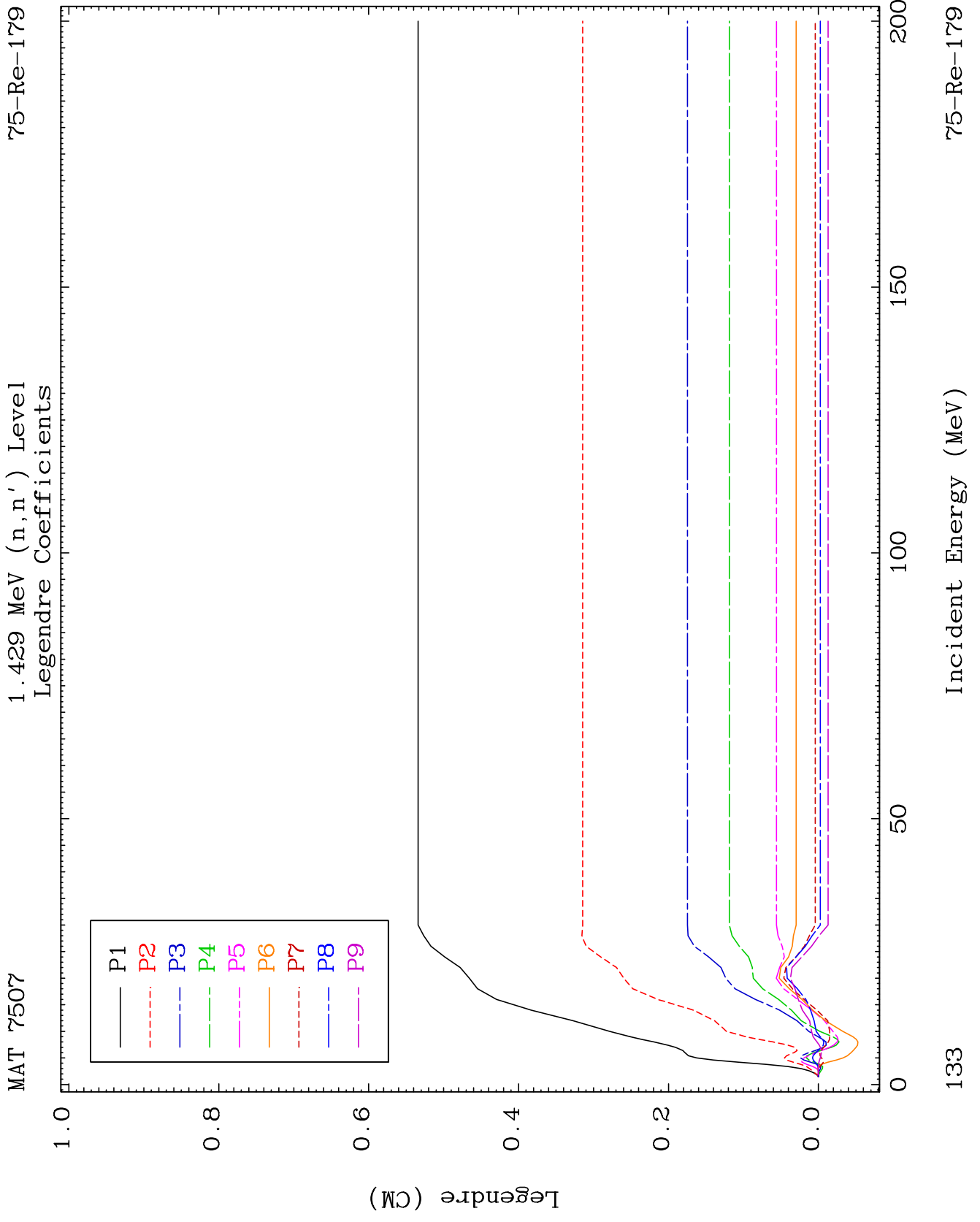


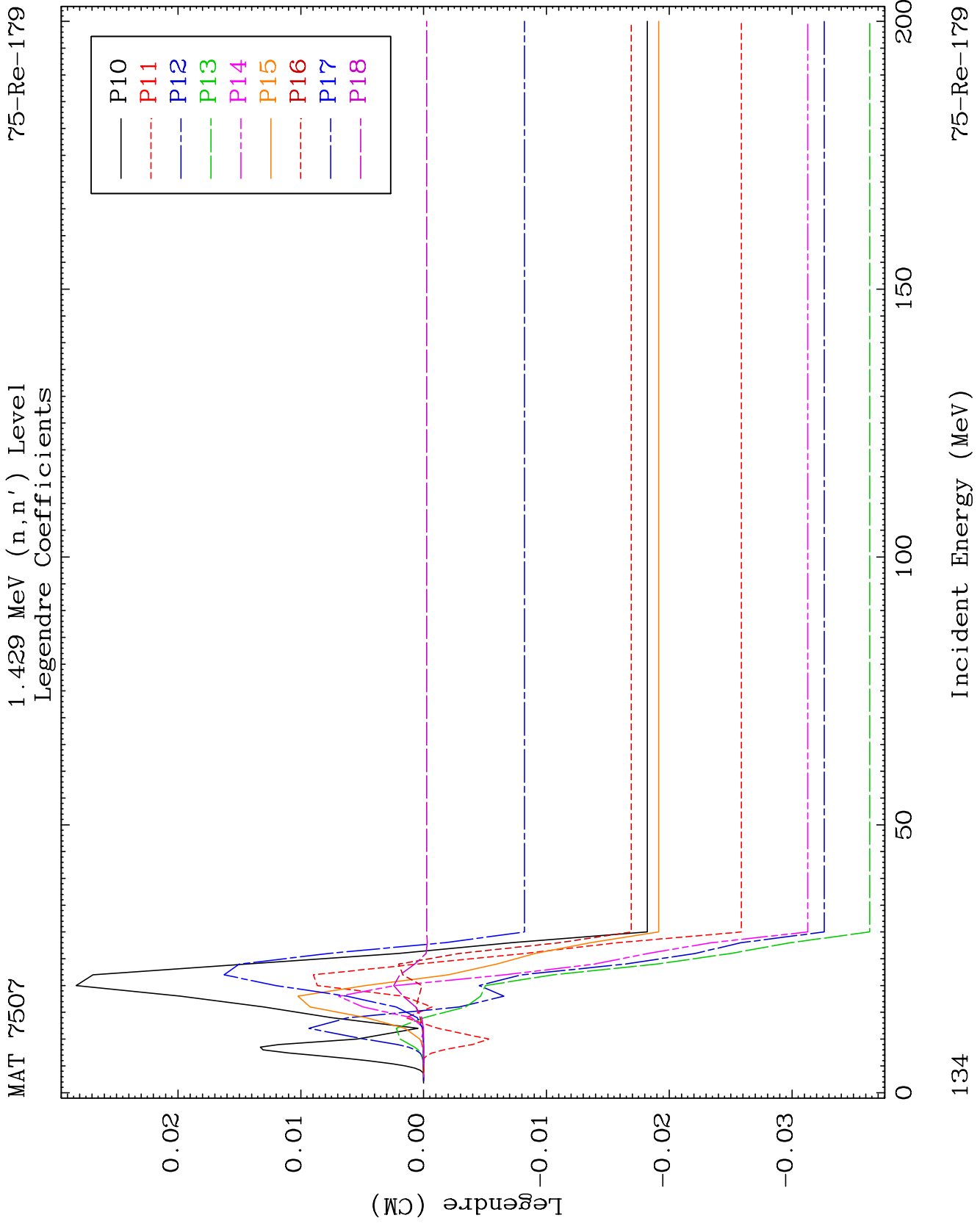


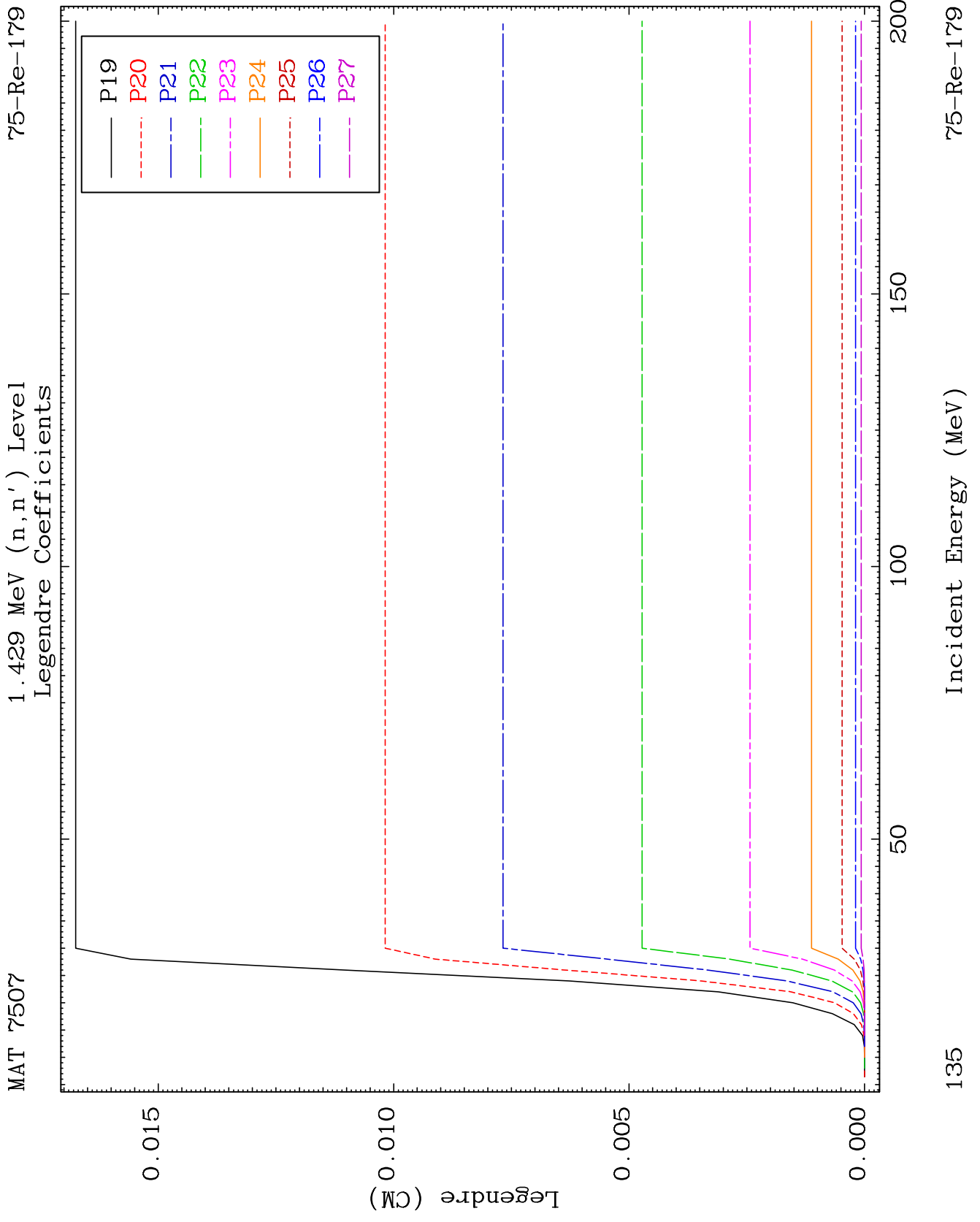




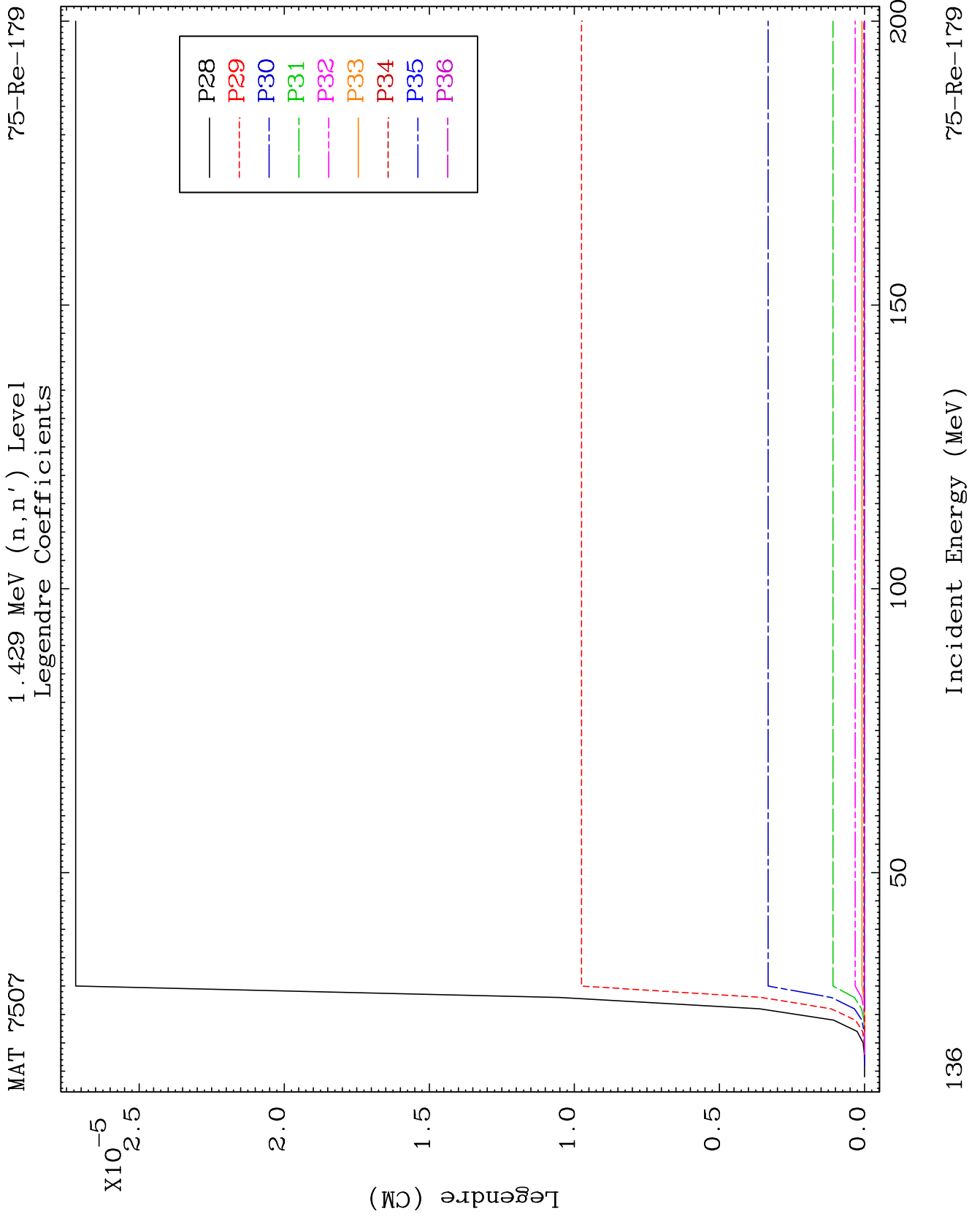










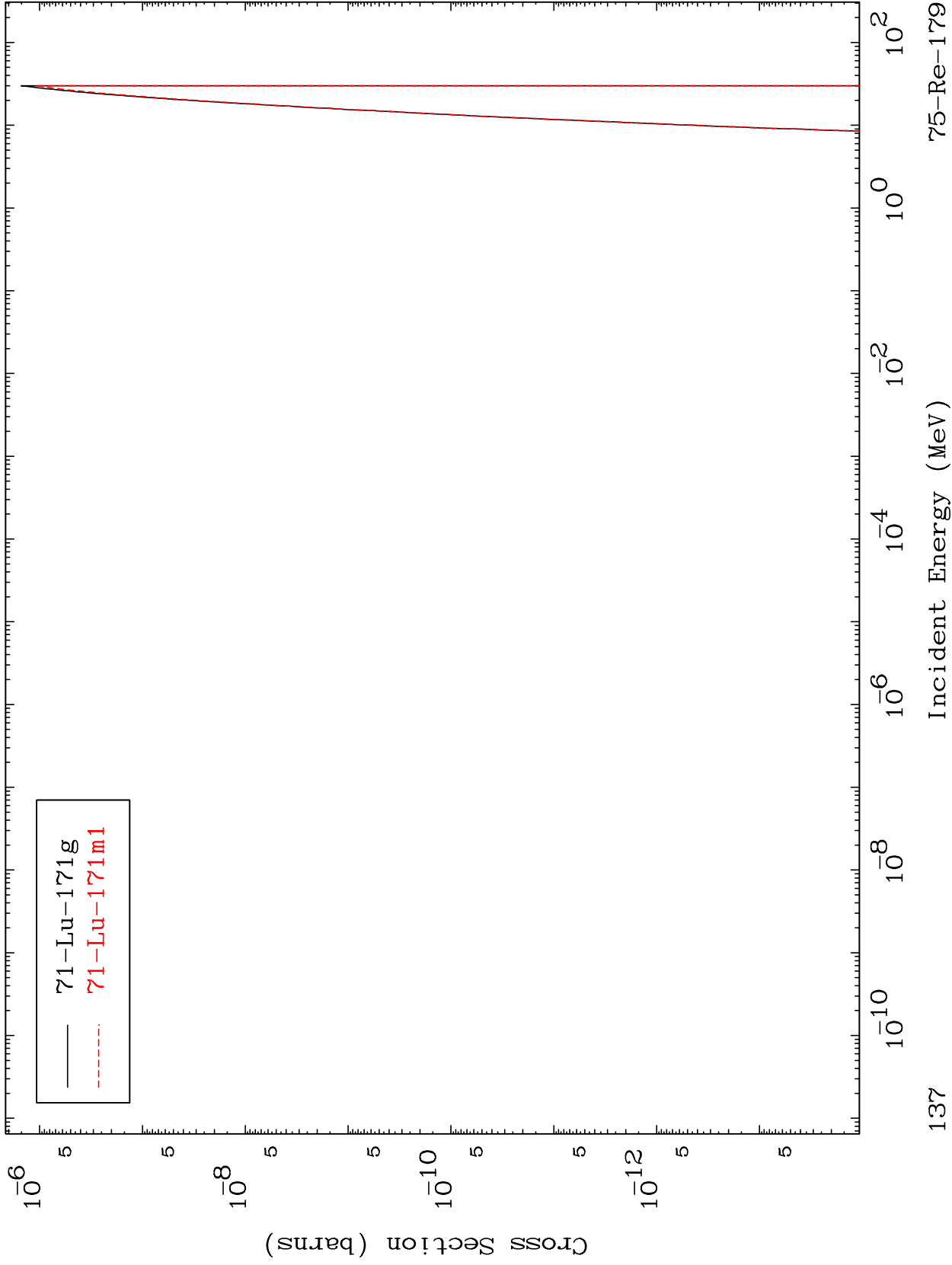


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$(n, n')$   $2\alpha$

$^{75}\text{Re-179}$

Radionuclide Production Cross Section



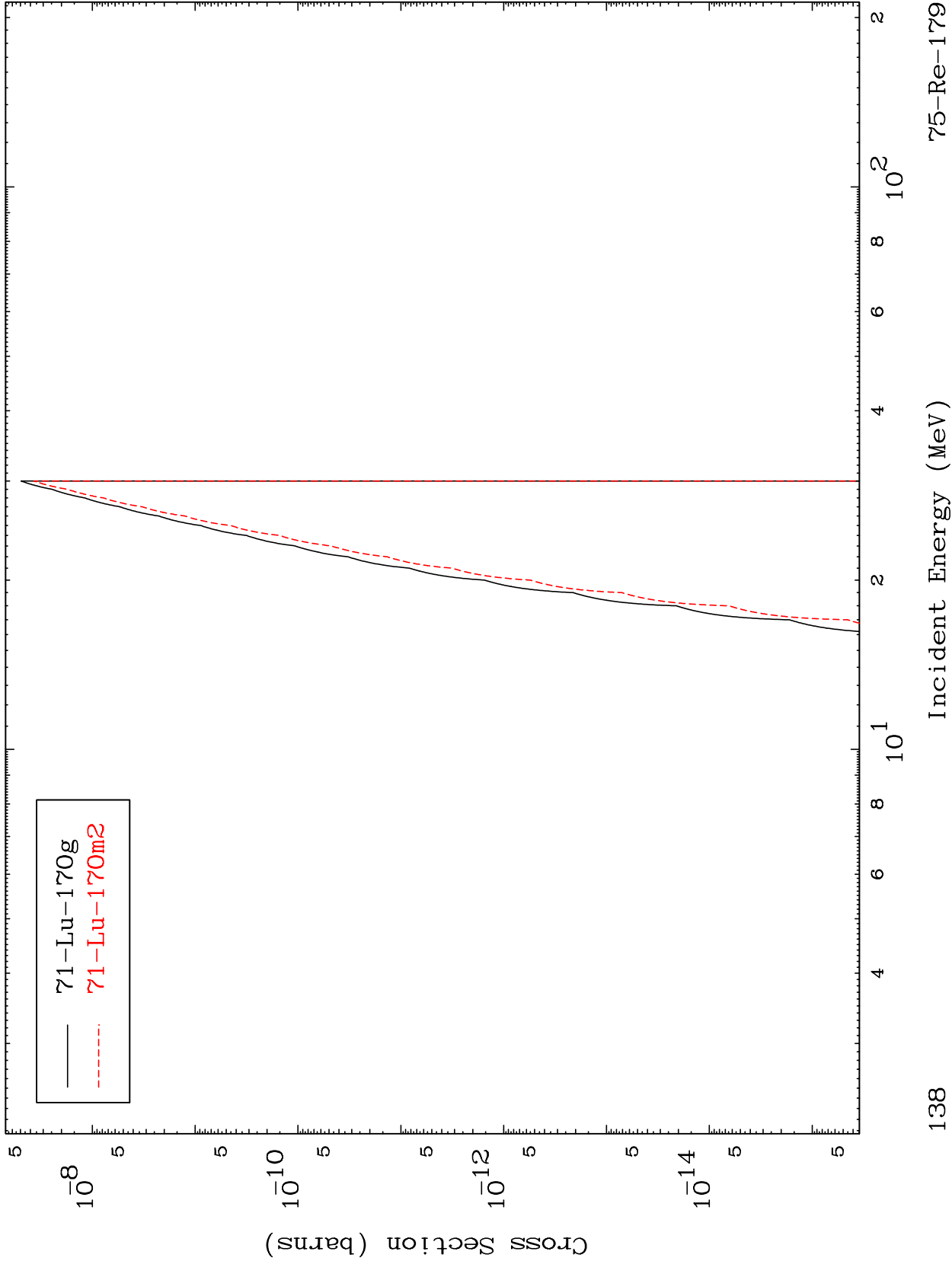
—  $^{71}\text{Lu-171g}$   
- - -  $^{71}\text{Lu-171m1}$

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$^{71}\text{Lu-170g}$   $2\alpha$

$^{75}\text{Re-179}$

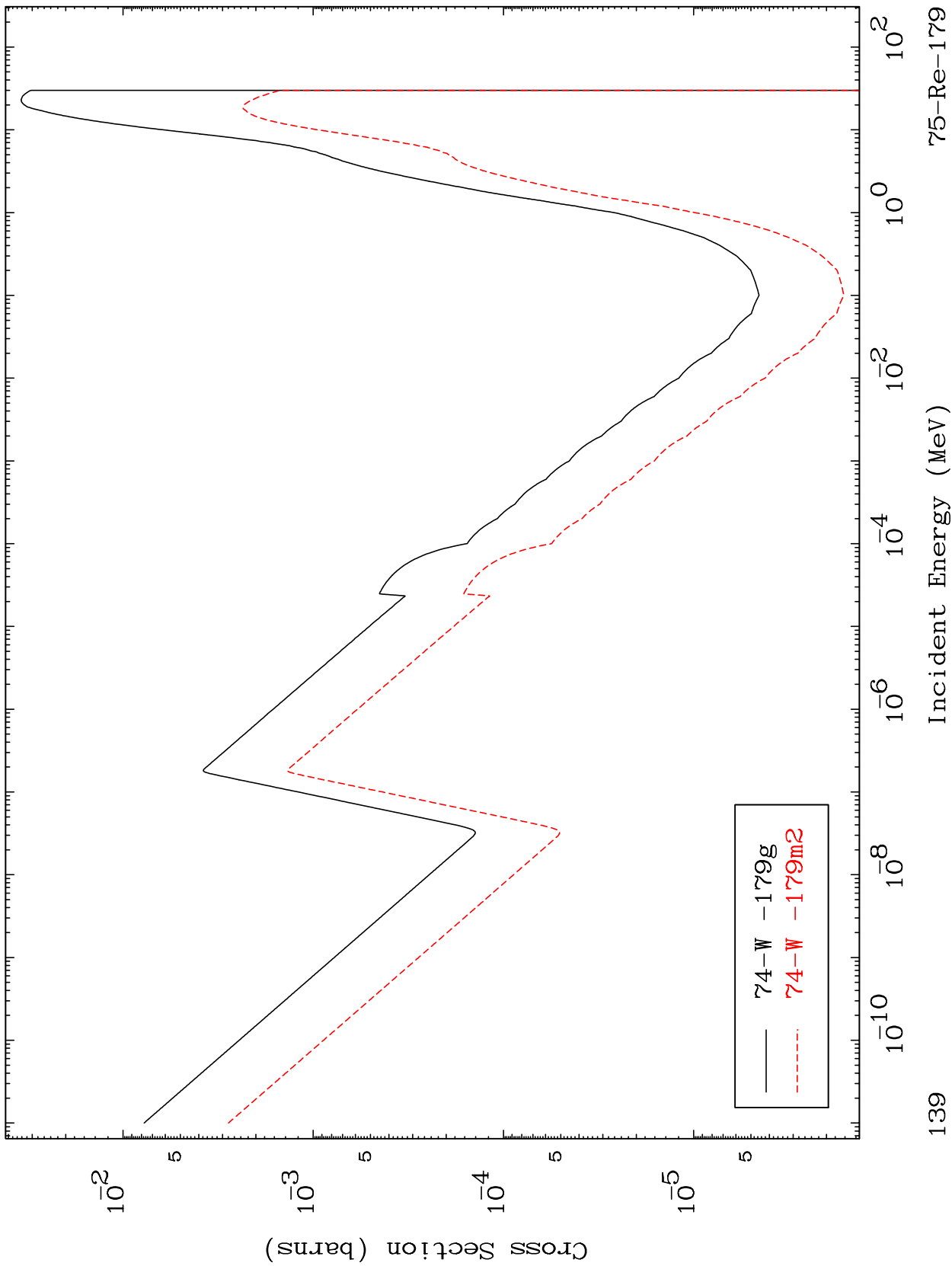
Radionuclide Production Cross Section



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(n,p)  
Radionuclide Production Cross Section

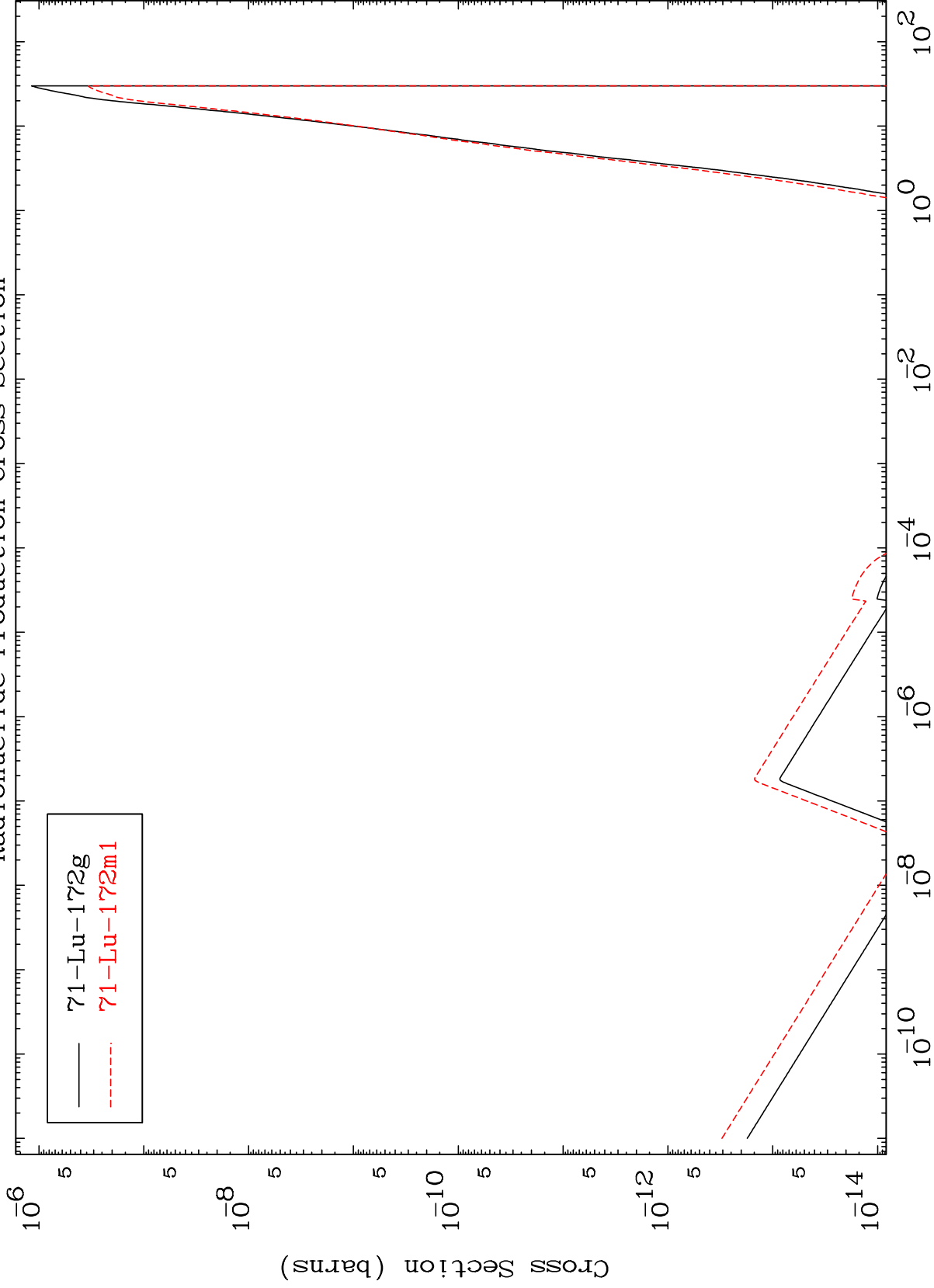


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(n,2α)

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Radionuclide Production Cross Section



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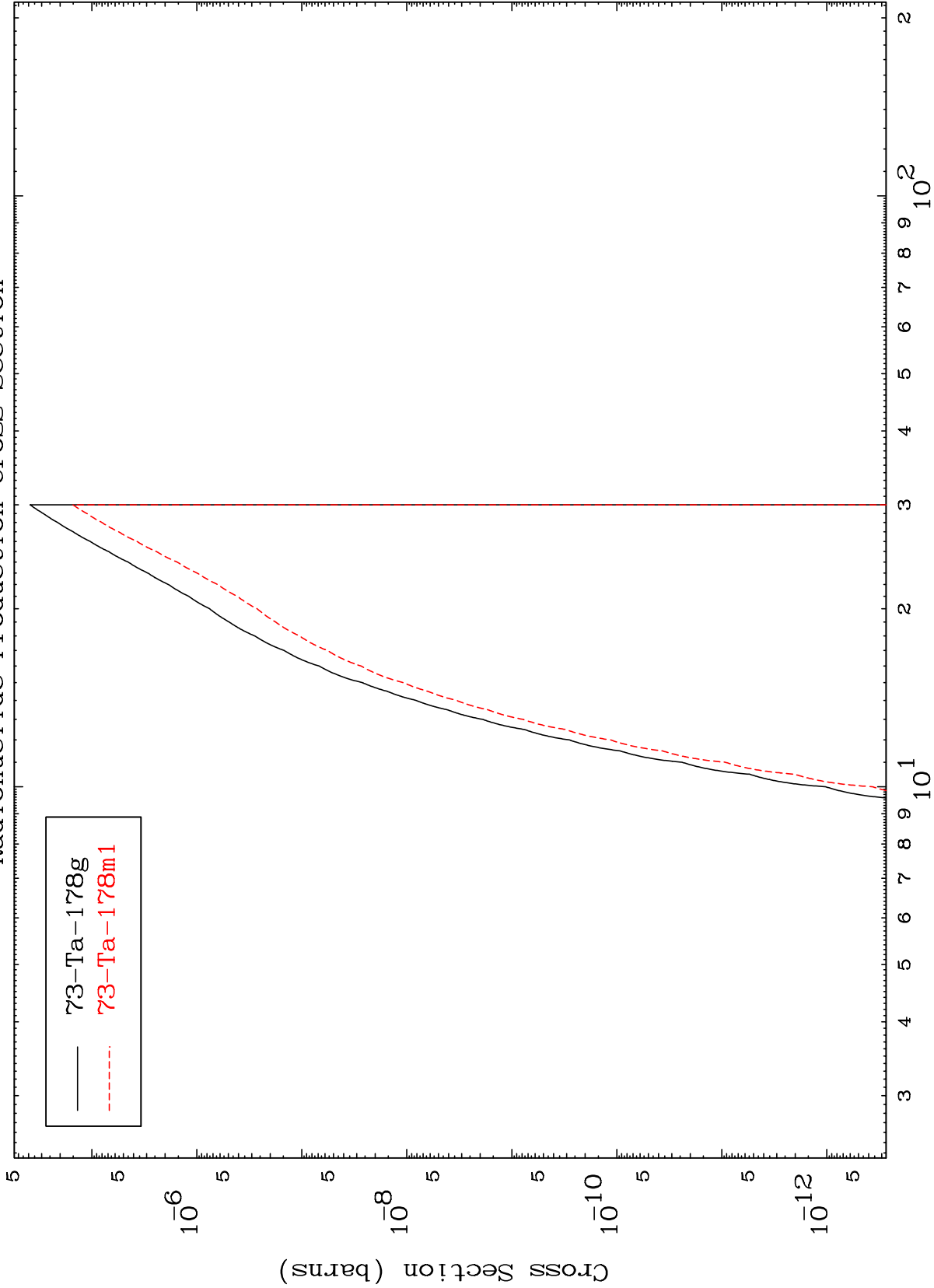
Incident Energy (MeV)

75-Re-179

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75-Re-179

(n,2p)  
Radionuclide Production Cross Section



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Incident Energy (MeV)

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