

Program EVALPLOT
(Version 2021-1)

by

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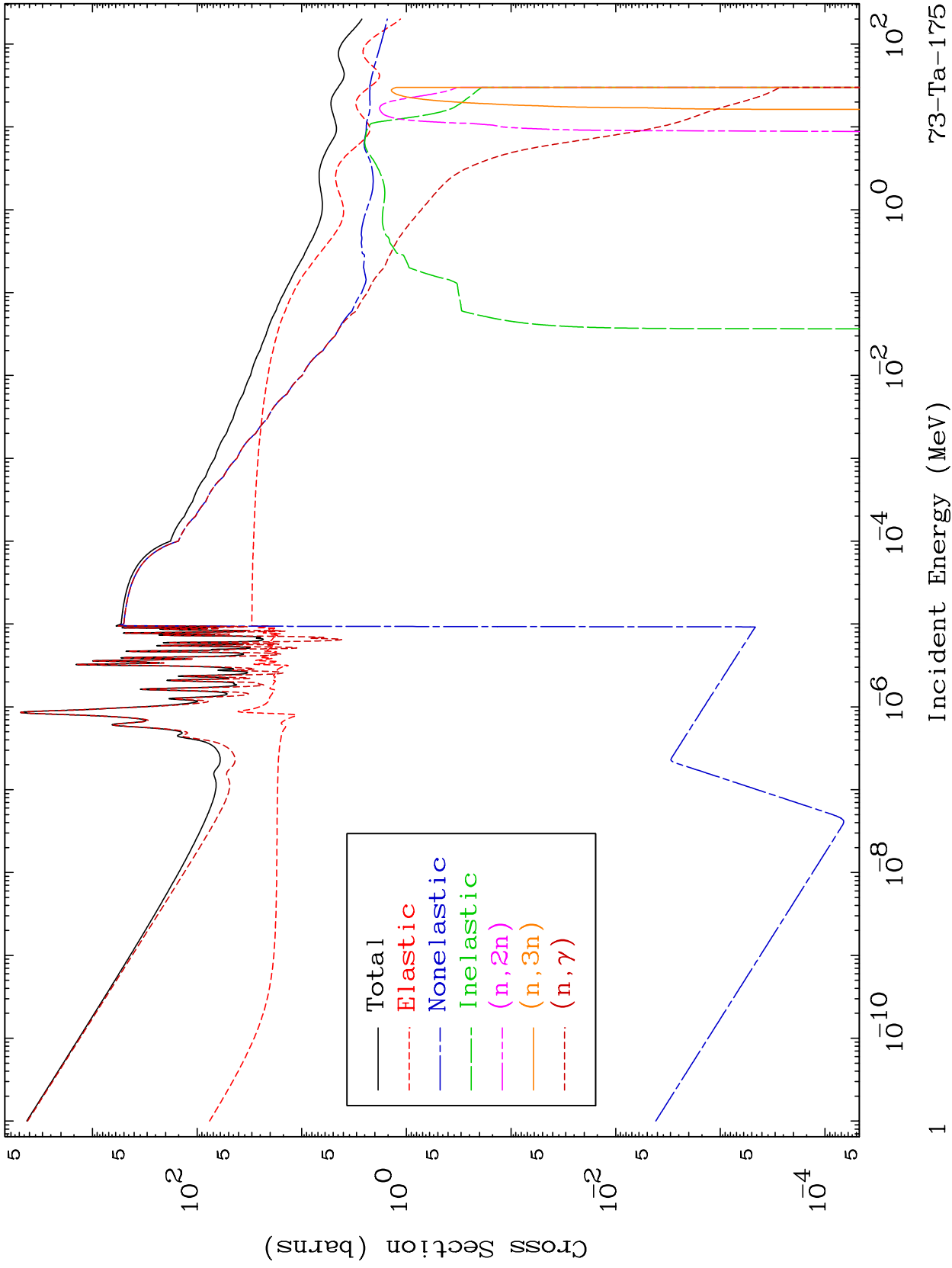
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Press Mouse Button to Start

MAT 7310

Neutron Major
293 Kelvin Cross Sections

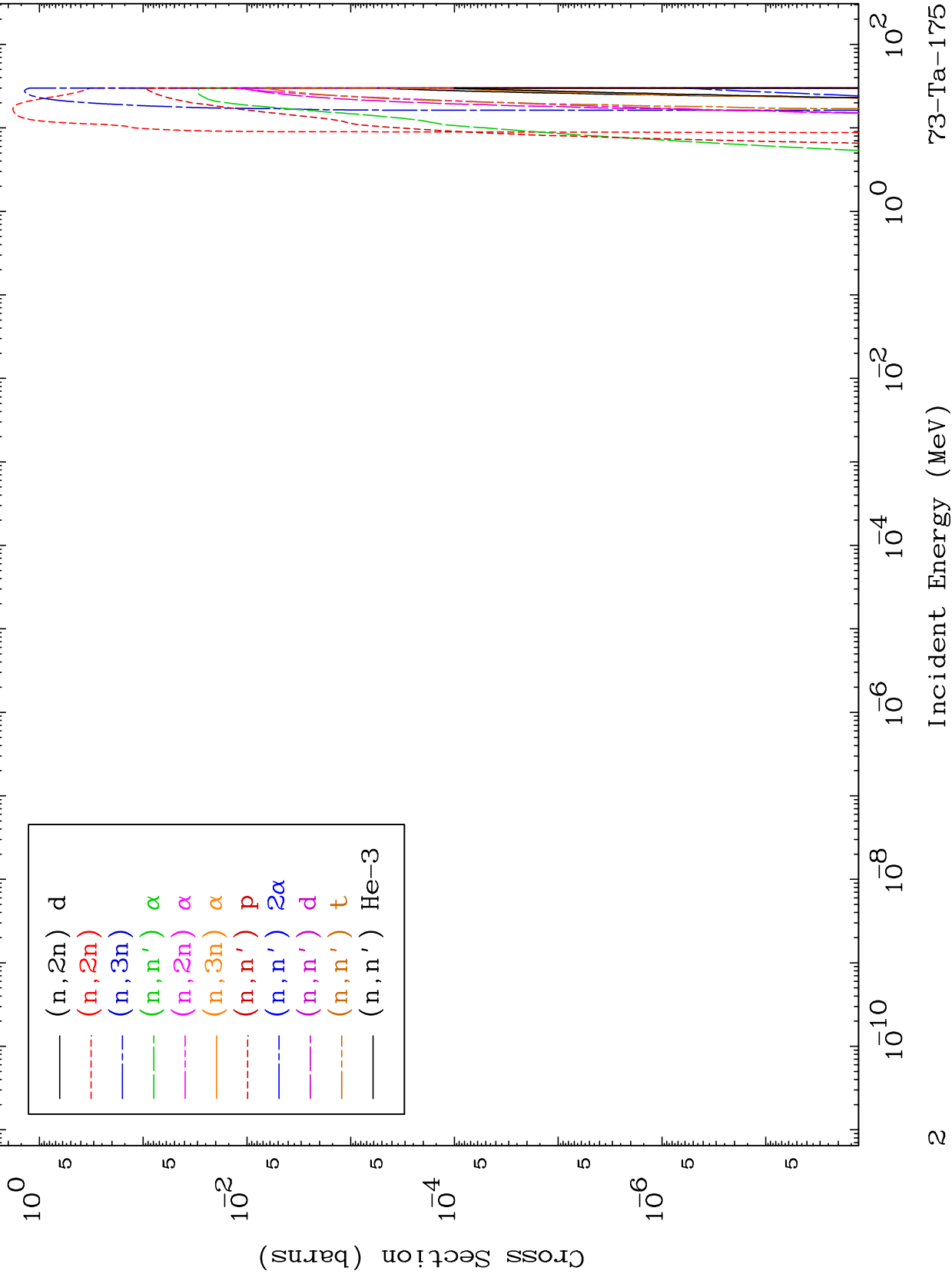
73-Ta-175



MAT 7310

Neutron Absorption
293 Kelvin Cross Sections

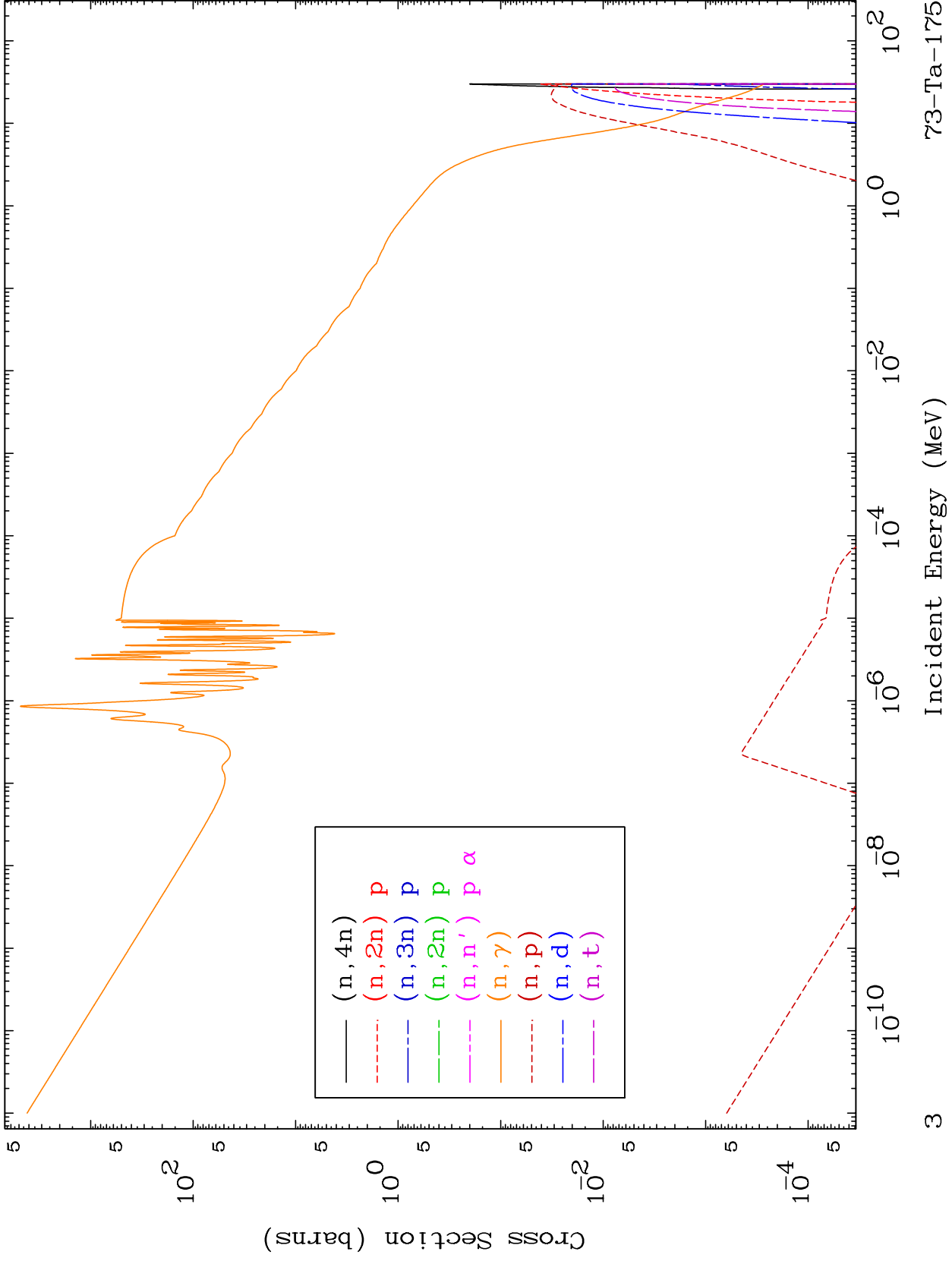
73-Ta-175



MAT 7310

Neutron Absorption
293 Kelvin Cross Sections

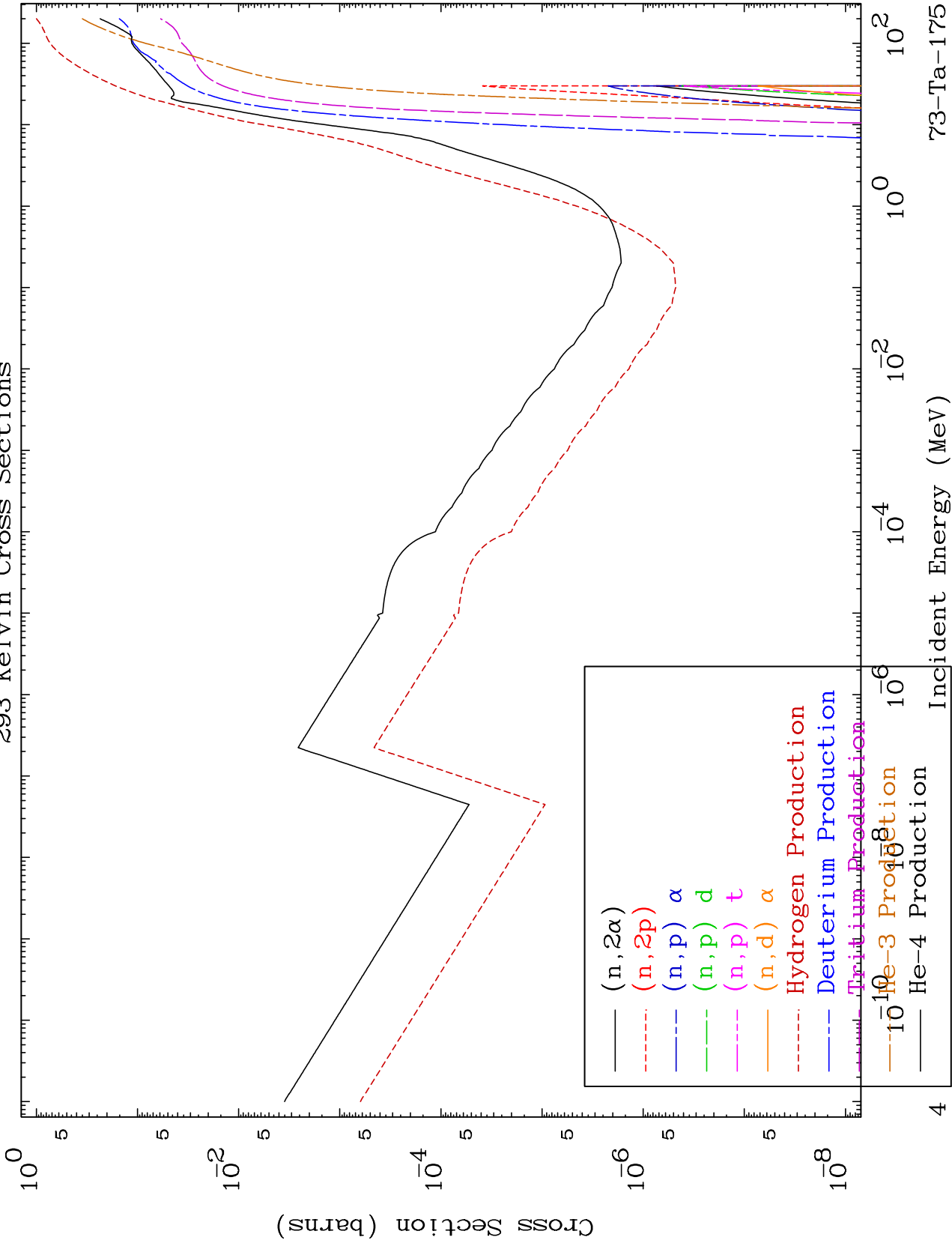
73-Ta-175



MAT 7310

Neutron Absorption
293 Kelvin Cross Sections

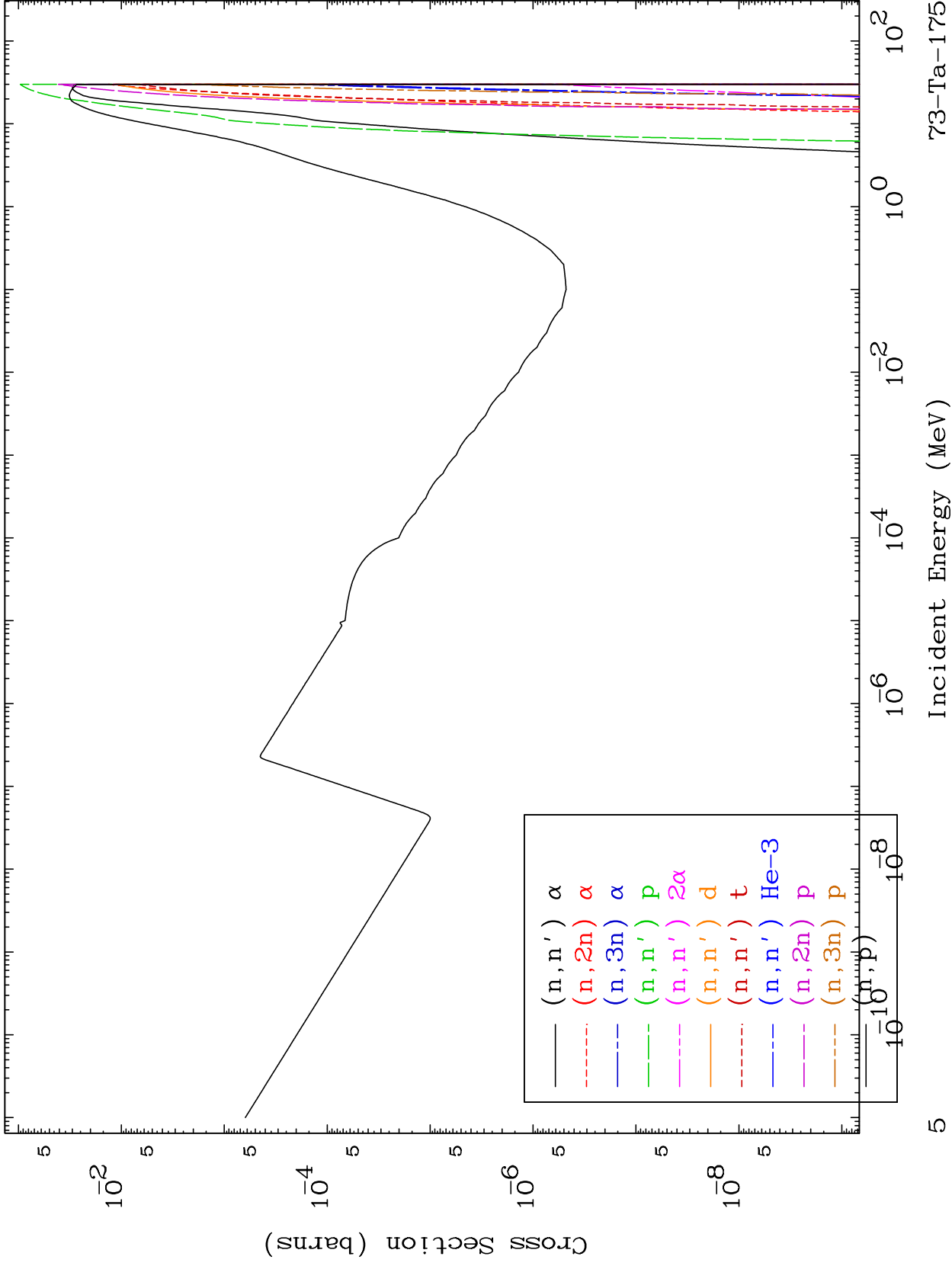
73-Ta-175



MAT 7310

Charged Particle
293 Kelvin Cross Sections

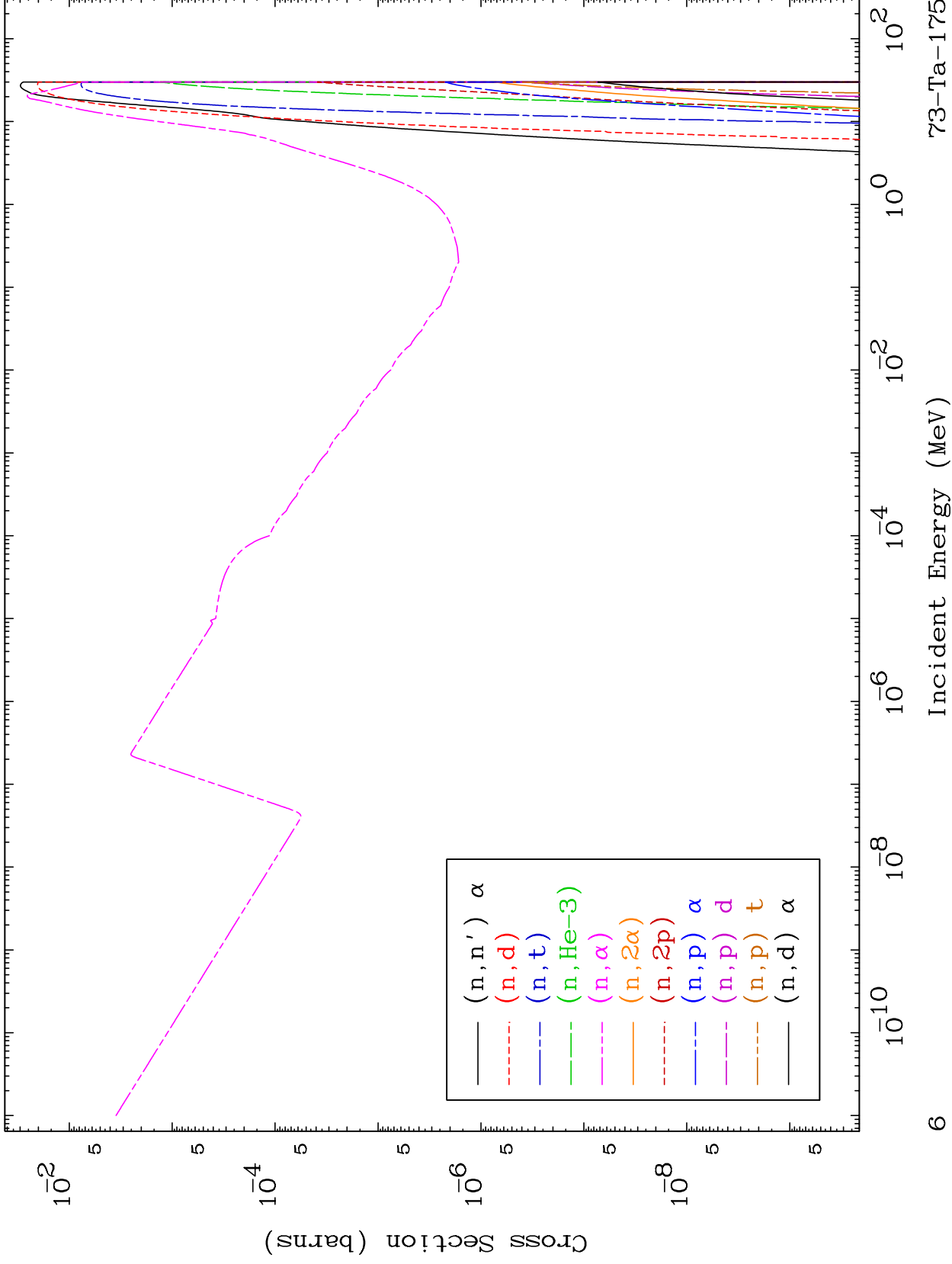
73-Ta-175



MAT 7310

Charged Particle
293 Kelvin Cross Sections

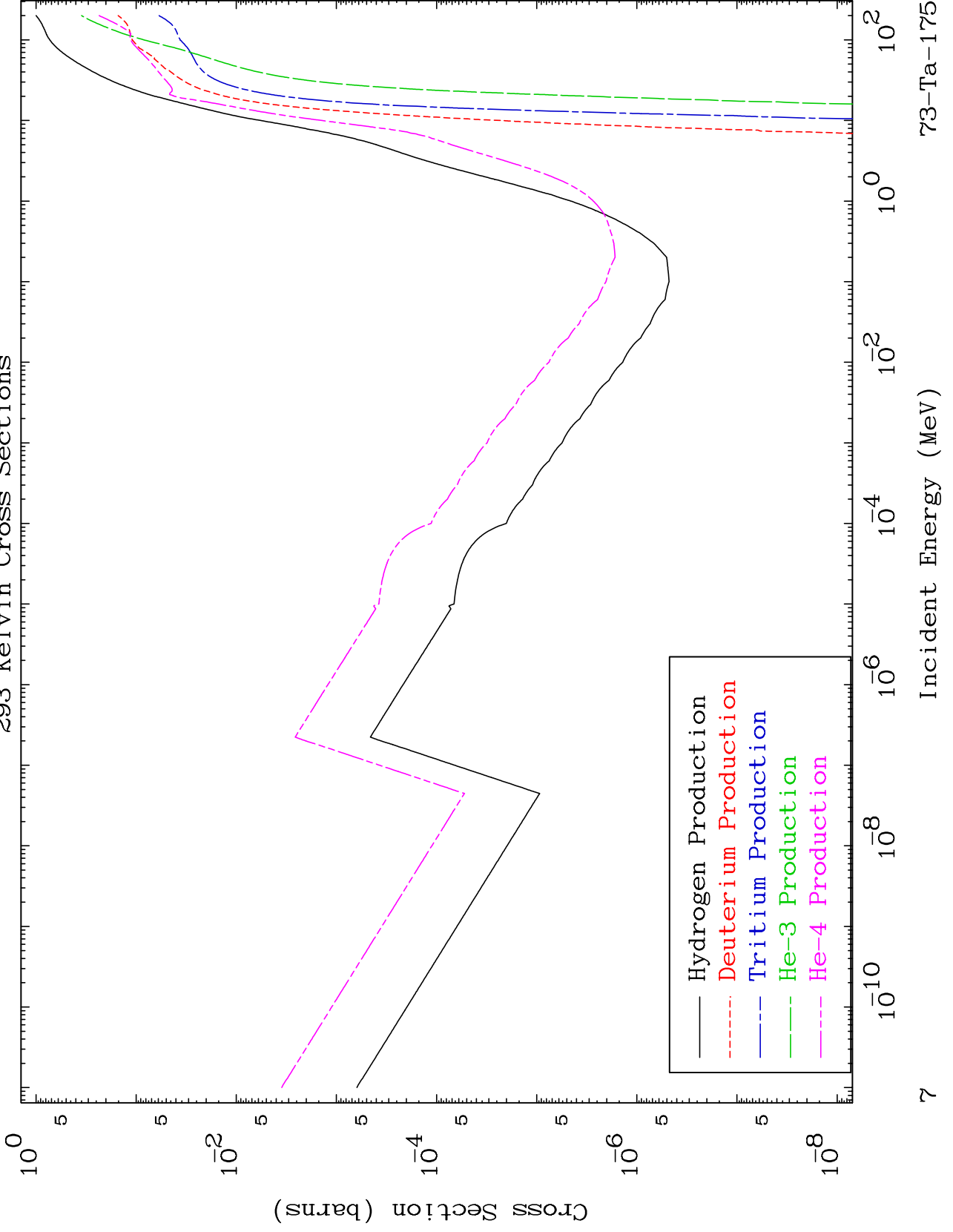
73-Ta-175



MAT 7310

Particle Production
293 Kelvin Cross Sections

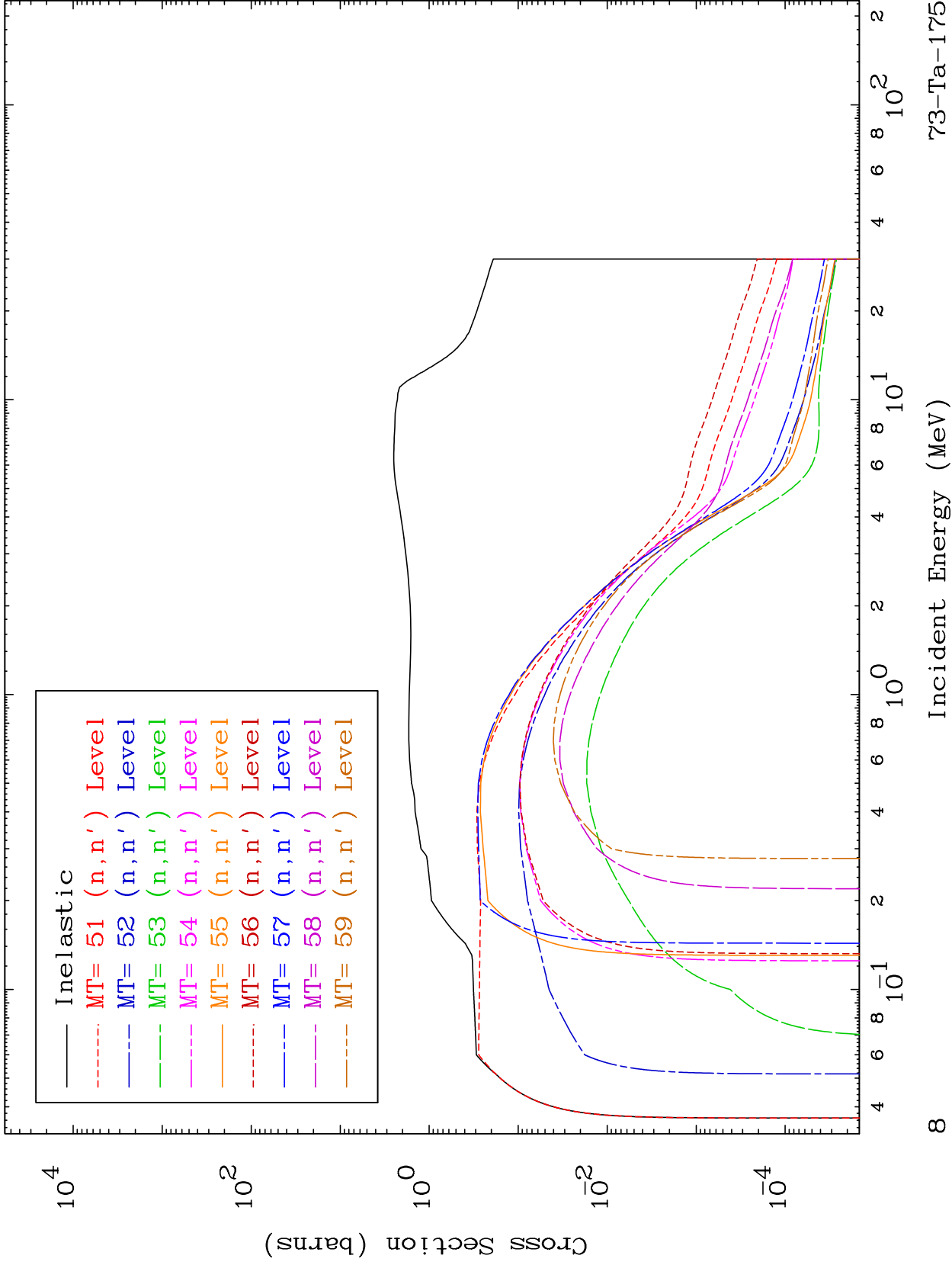
73-Ta-175



MAT 7310

(n,n') Levels
293 Kelvin Cross Sections

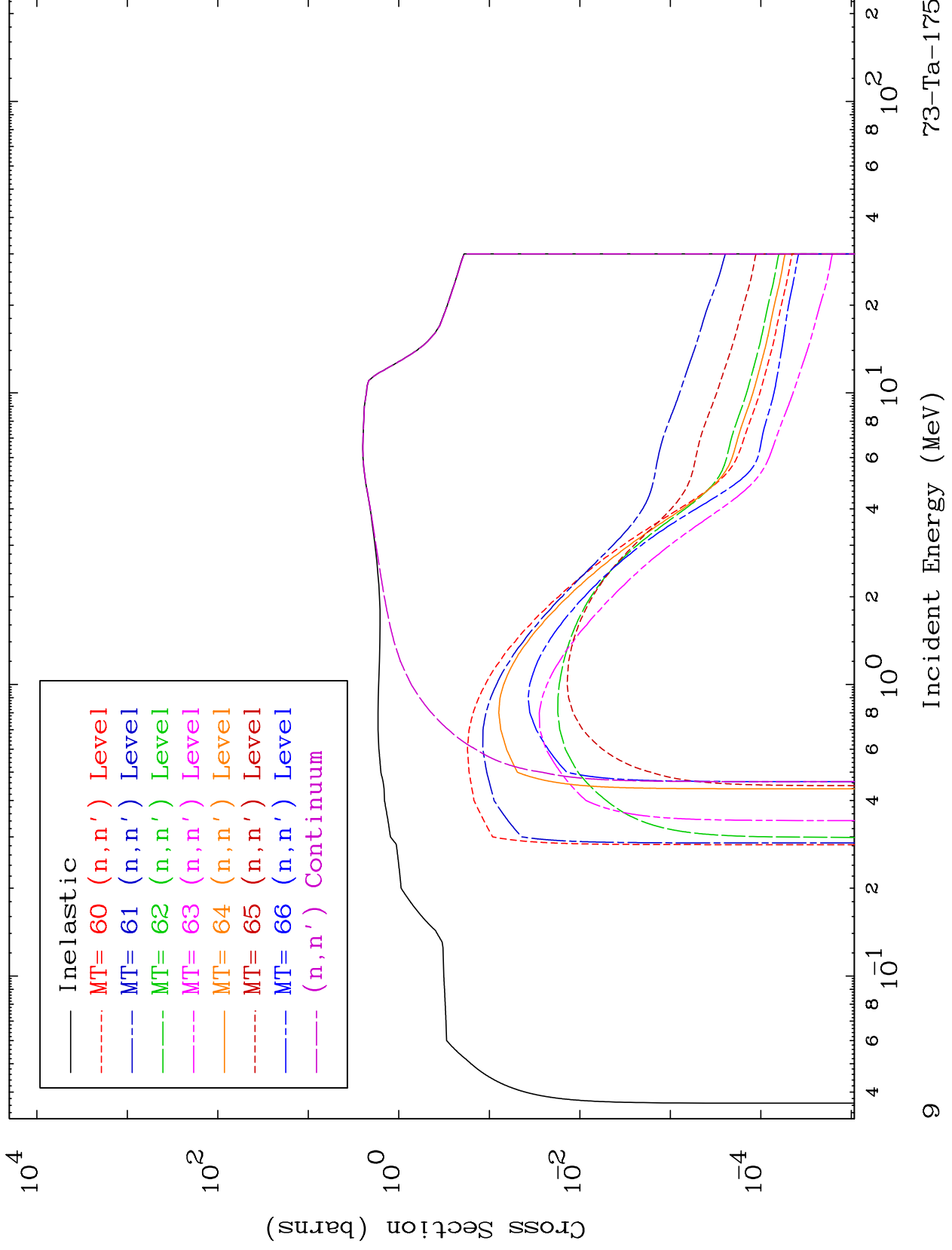
73-Ta-175



MAT 7310

(n,n') Levels
293 Kelvin Cross Sections

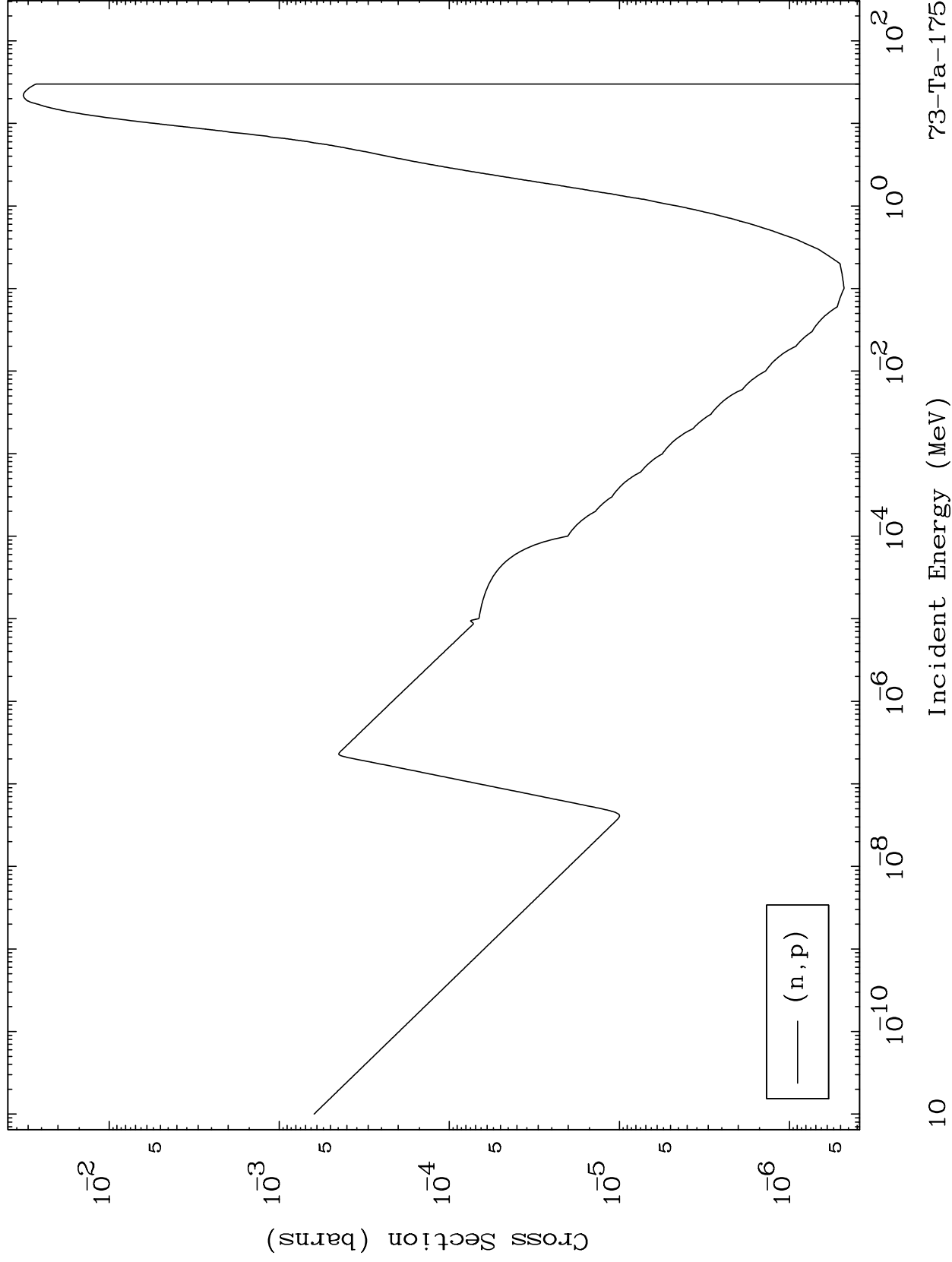
73-Ta-175



MAT 7310

(n,p) Levels
293 Kelvin Cross Sections

73-Ta-175



10

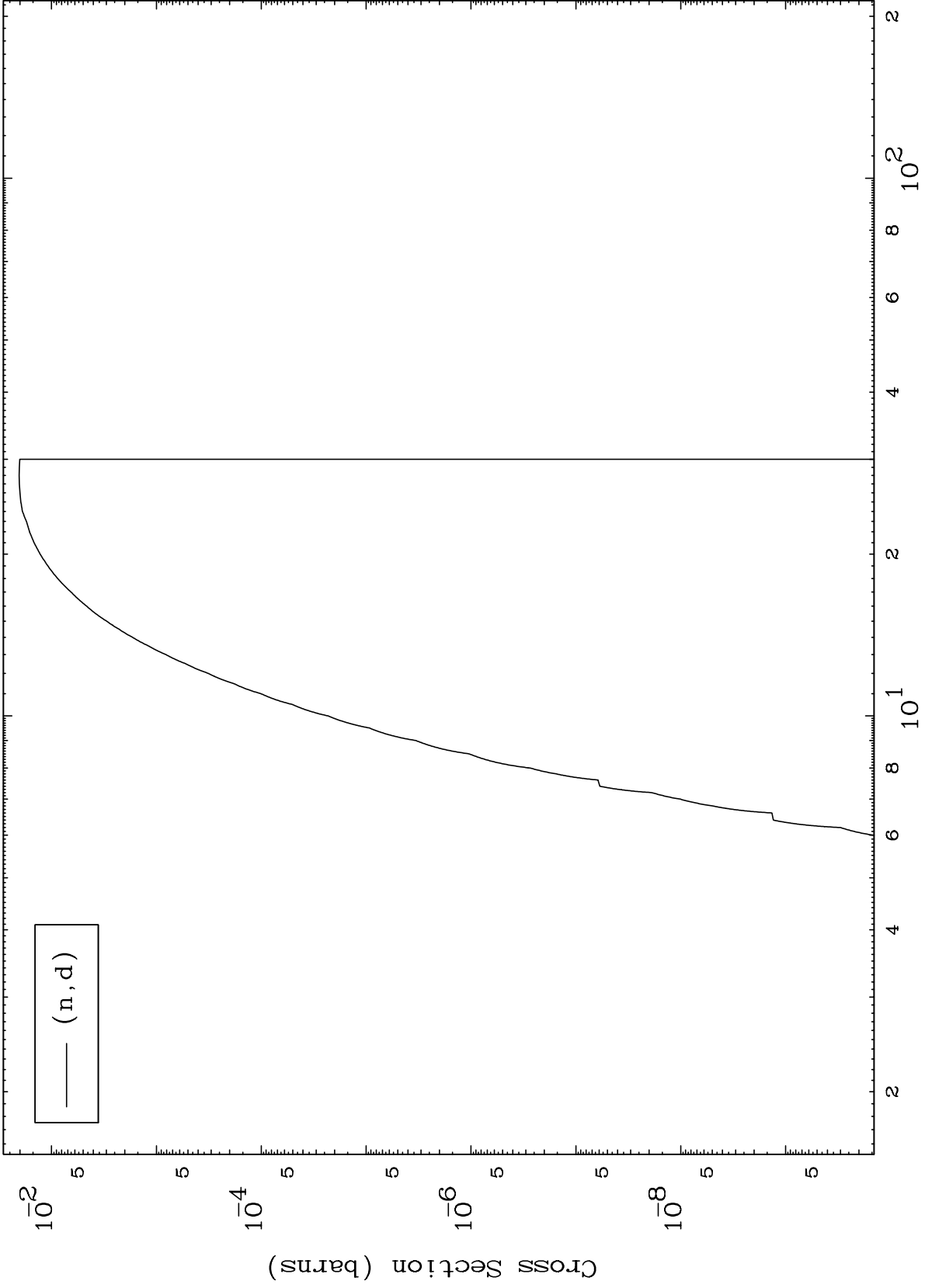
Incident Energy (MeV)

73-Ta-175

MAT 7310

(n,d) Levels
293 Kelvin Cross Sections

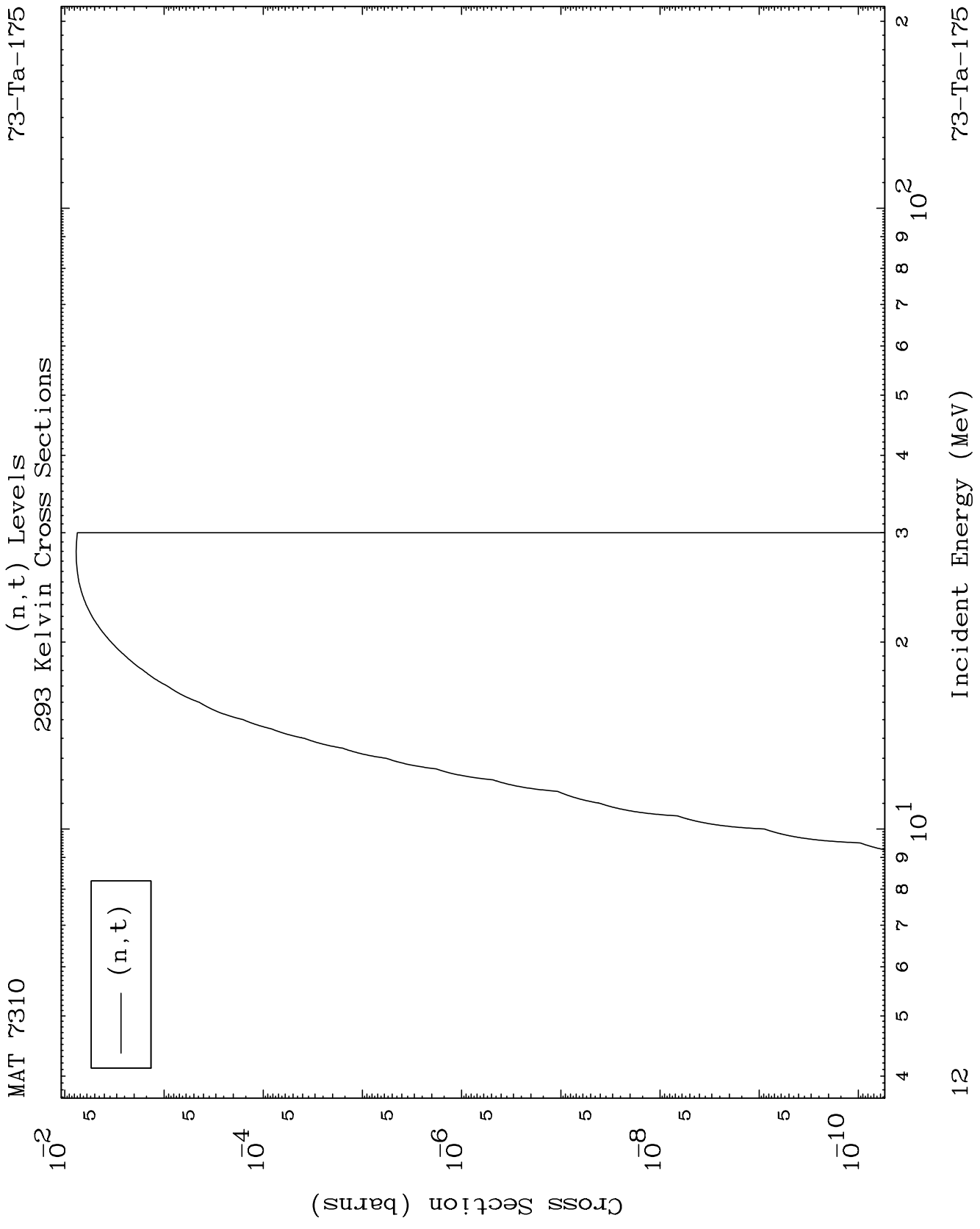
73-Ta-175



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Incident Energy (MeV)

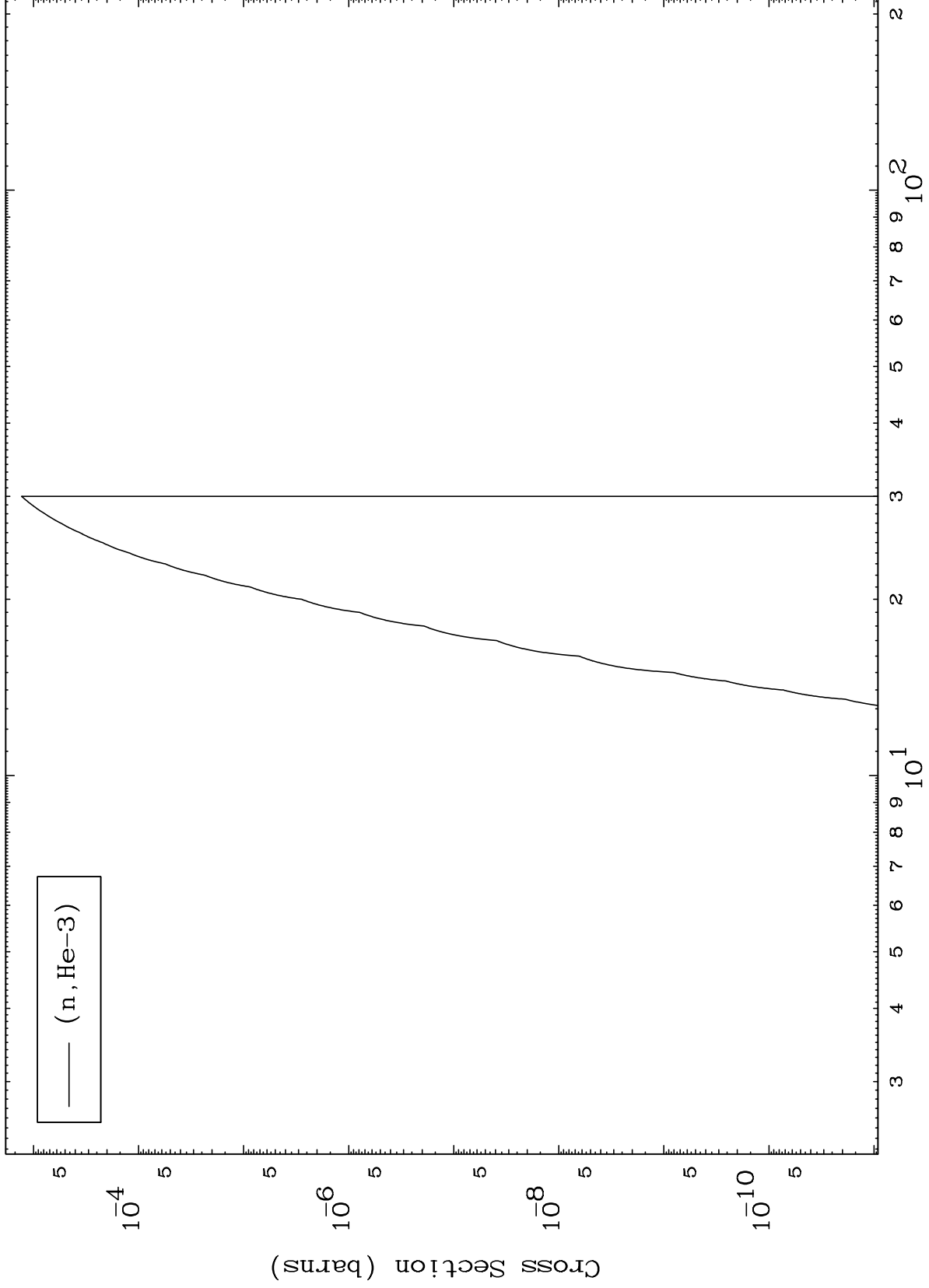
73-Ta-175



MAT 7310

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-175



13

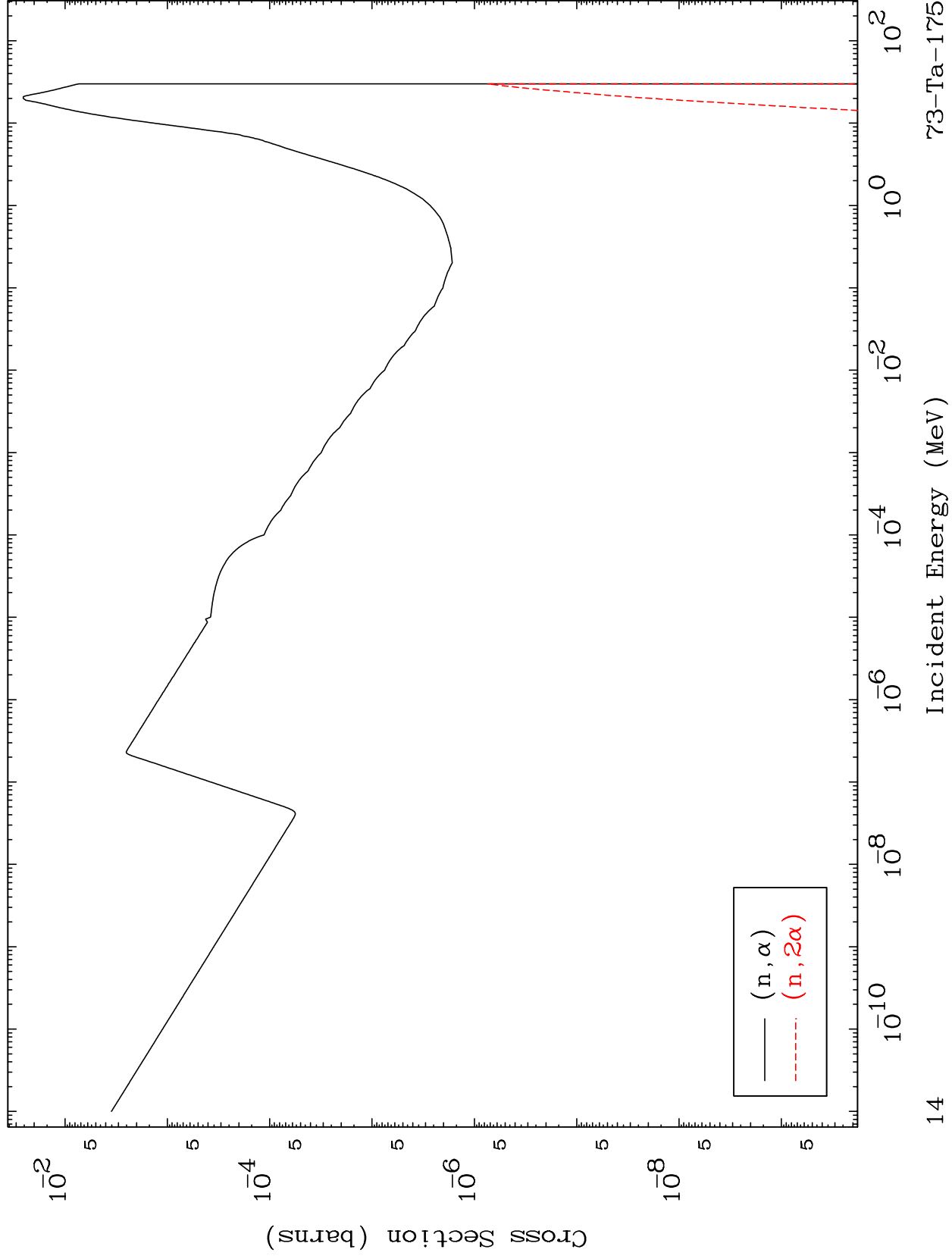
Incident Energy (MeV)

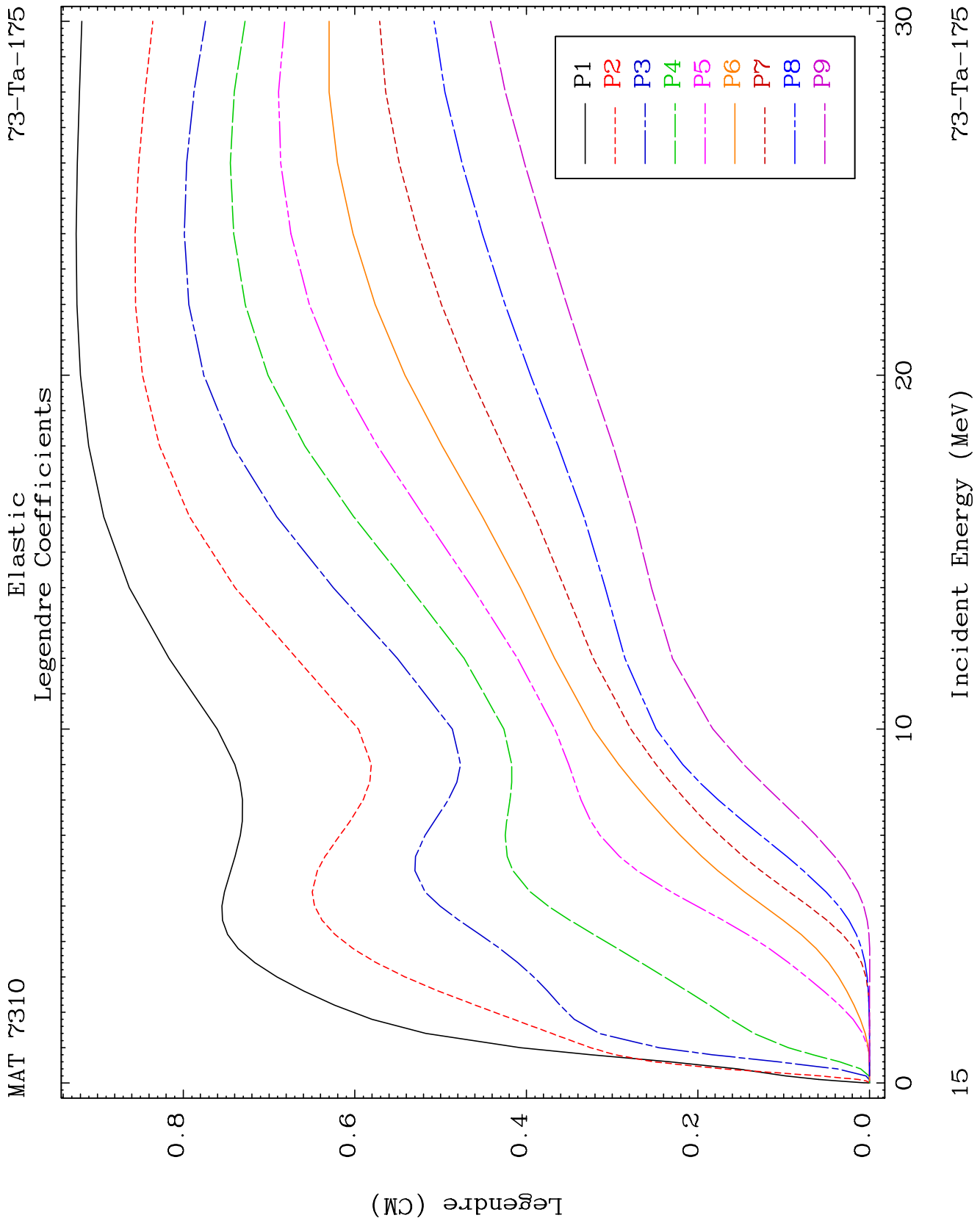
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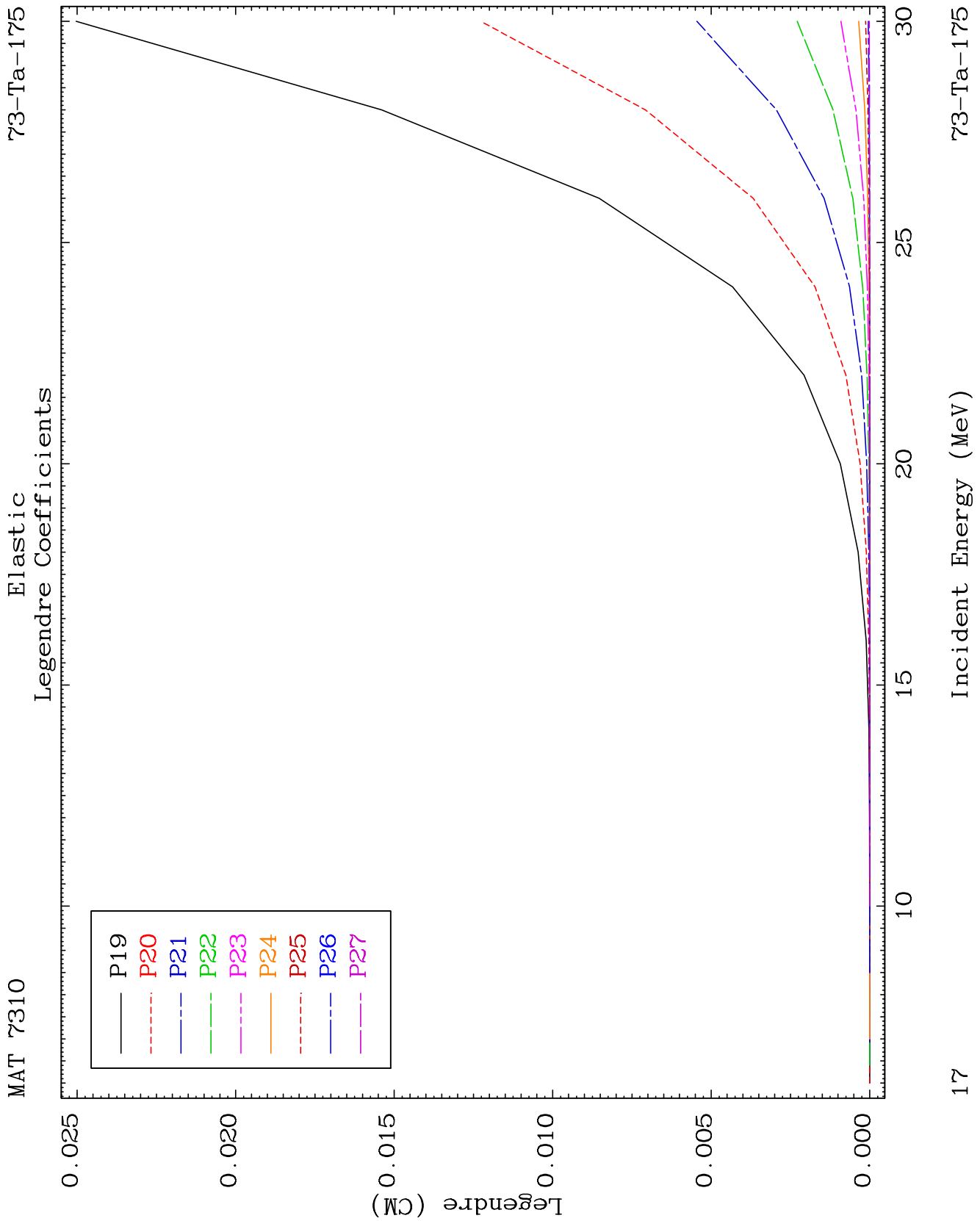
MAT 7310

(n,α) Levels
293 Kelvin Cross Sections

73-Ta-175



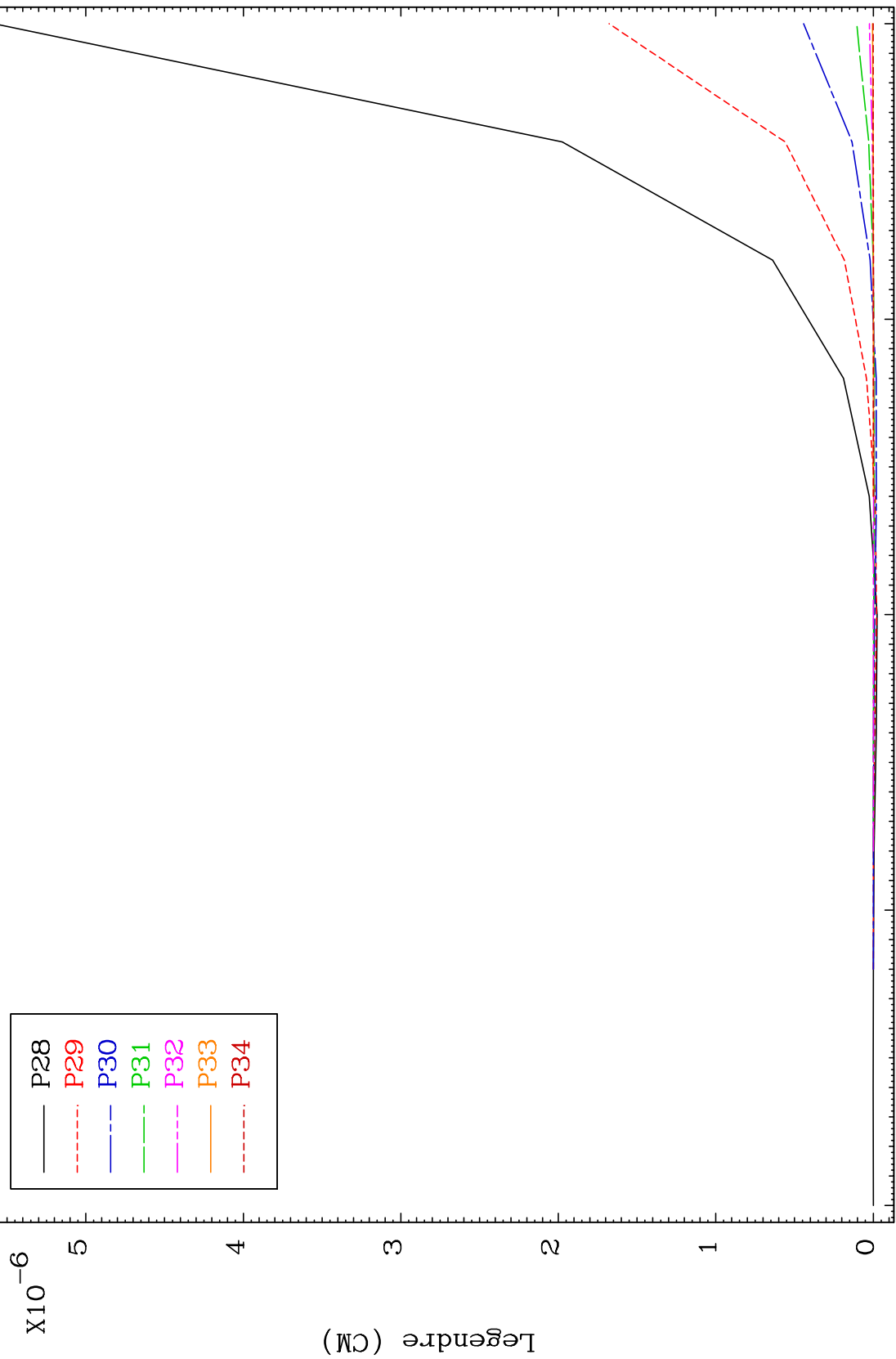
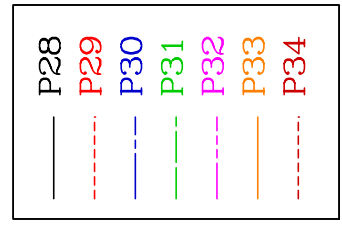




MAT 7310

Elastic Legendre Coefficients

73-Ta-175



18

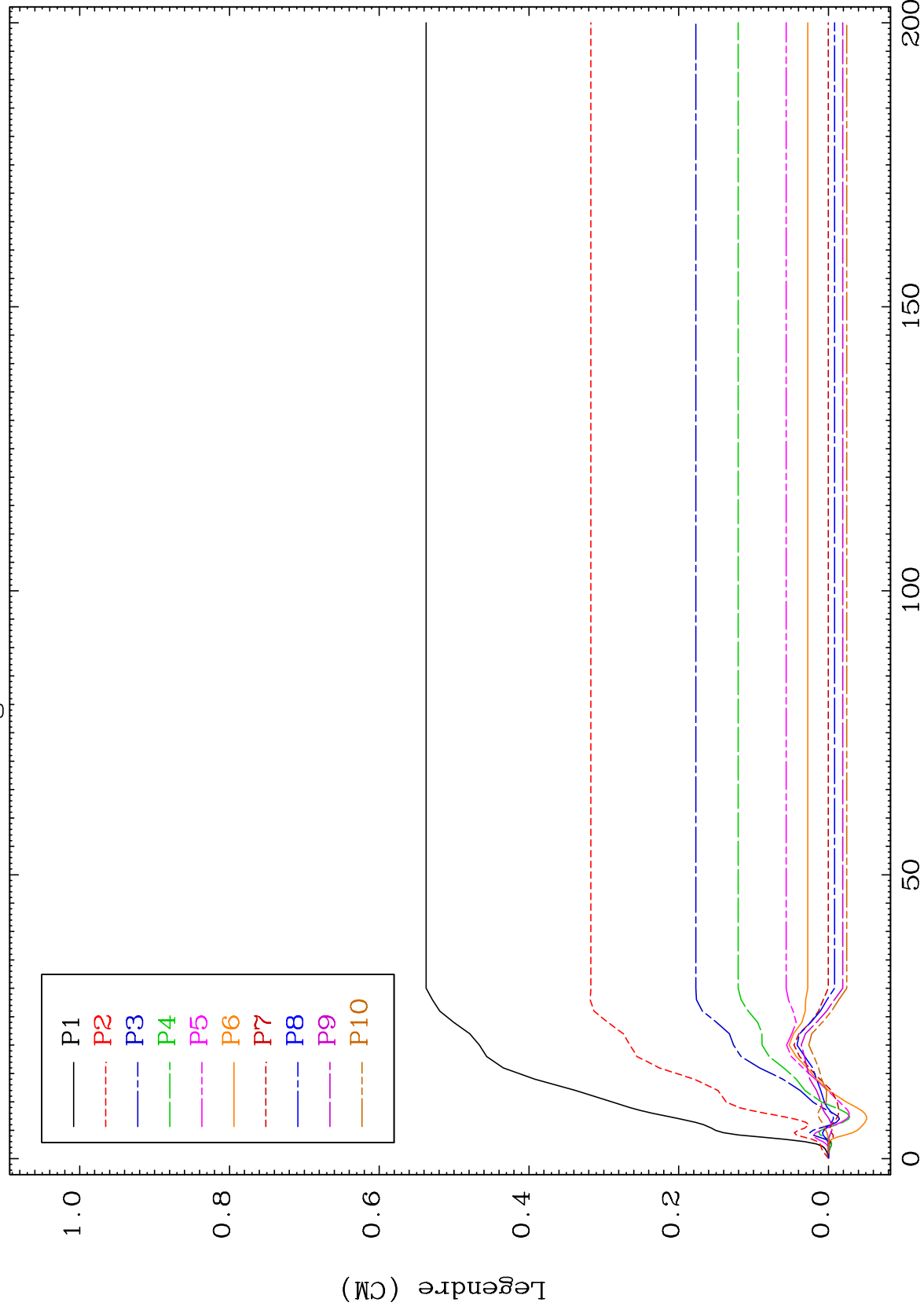
Incident Energy (MeV)

73-Ta-175

MAT 7310

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

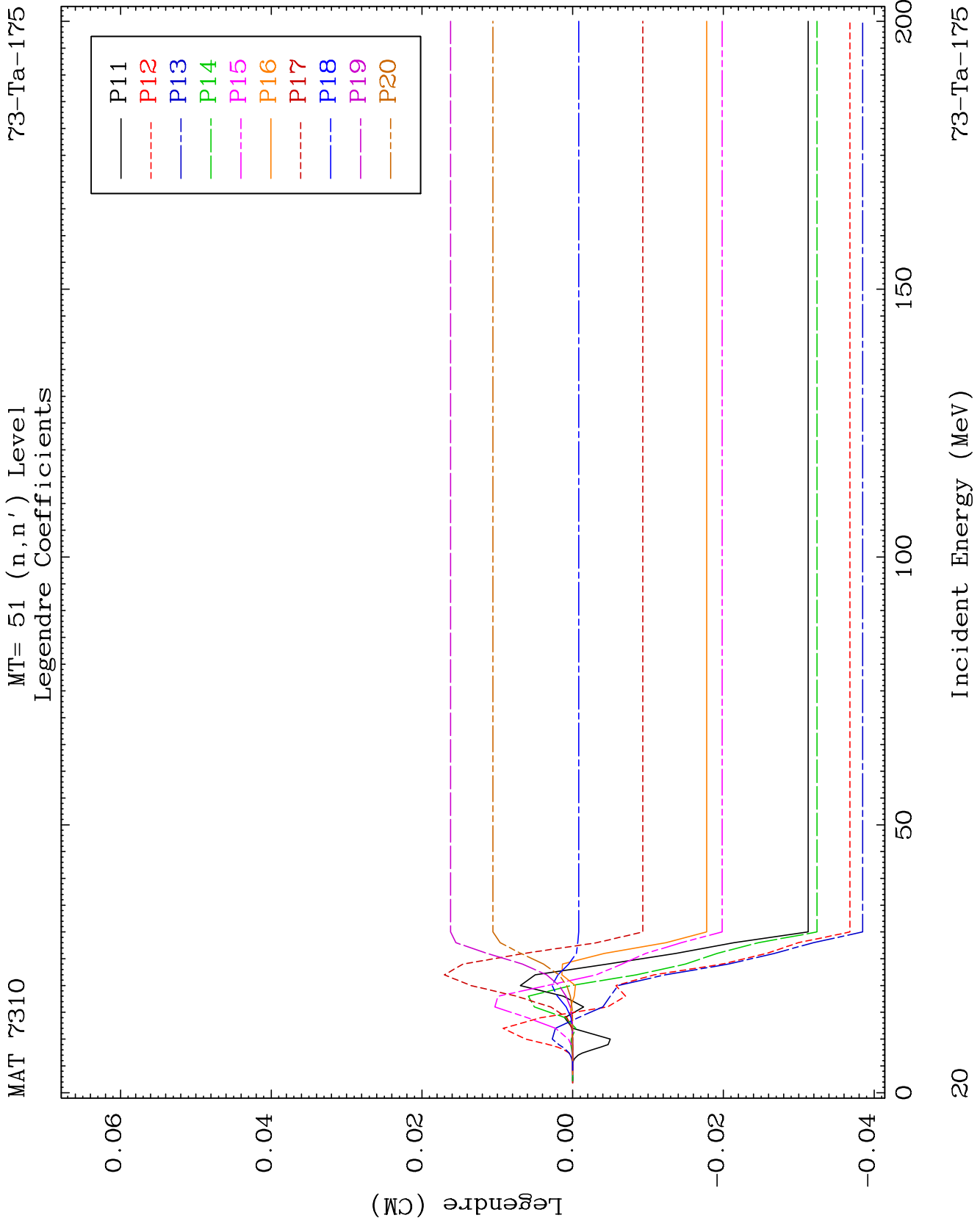
⁷³Ta-175



19

Incident Energy (MeV)

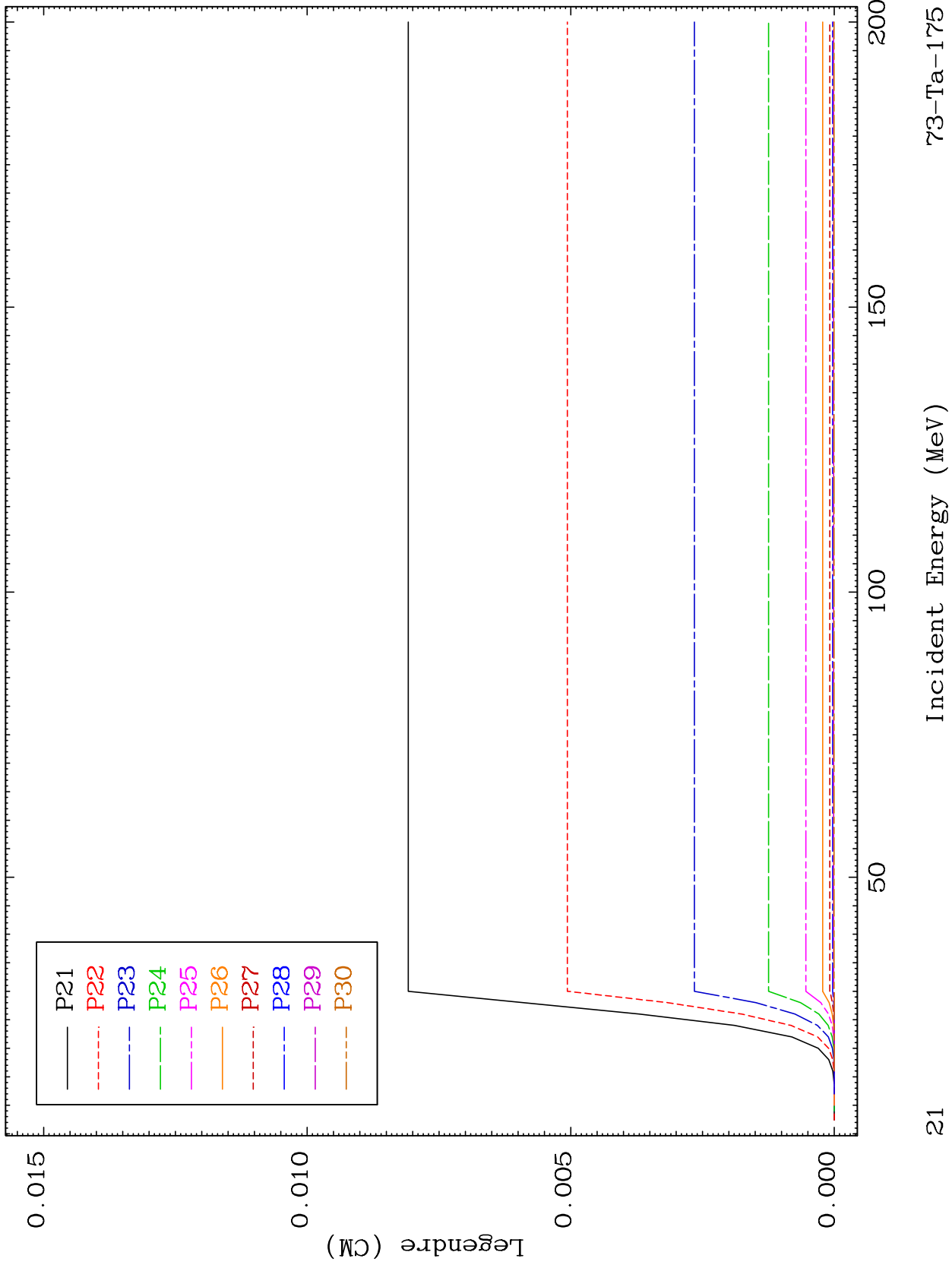
⁷³Ta-175

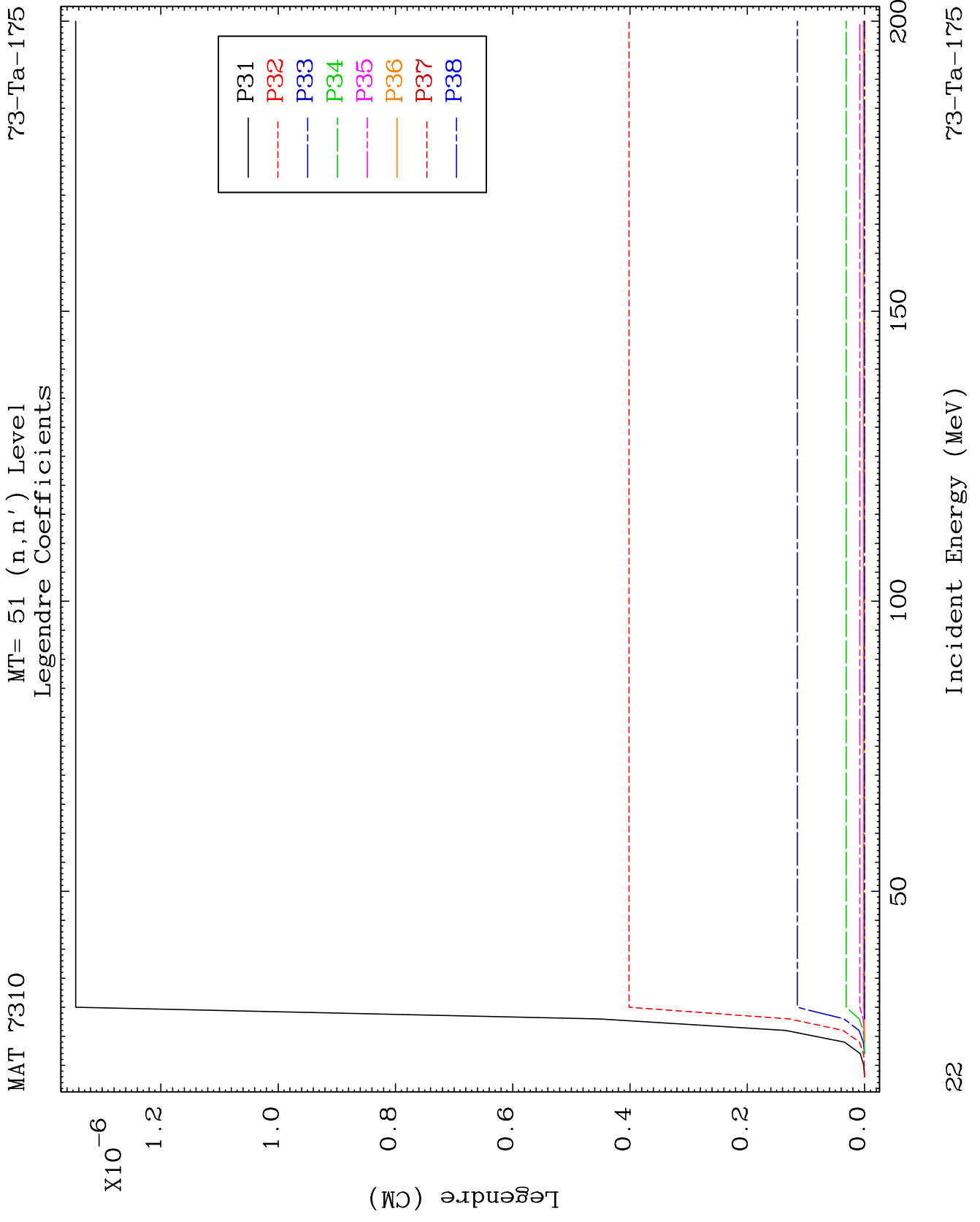


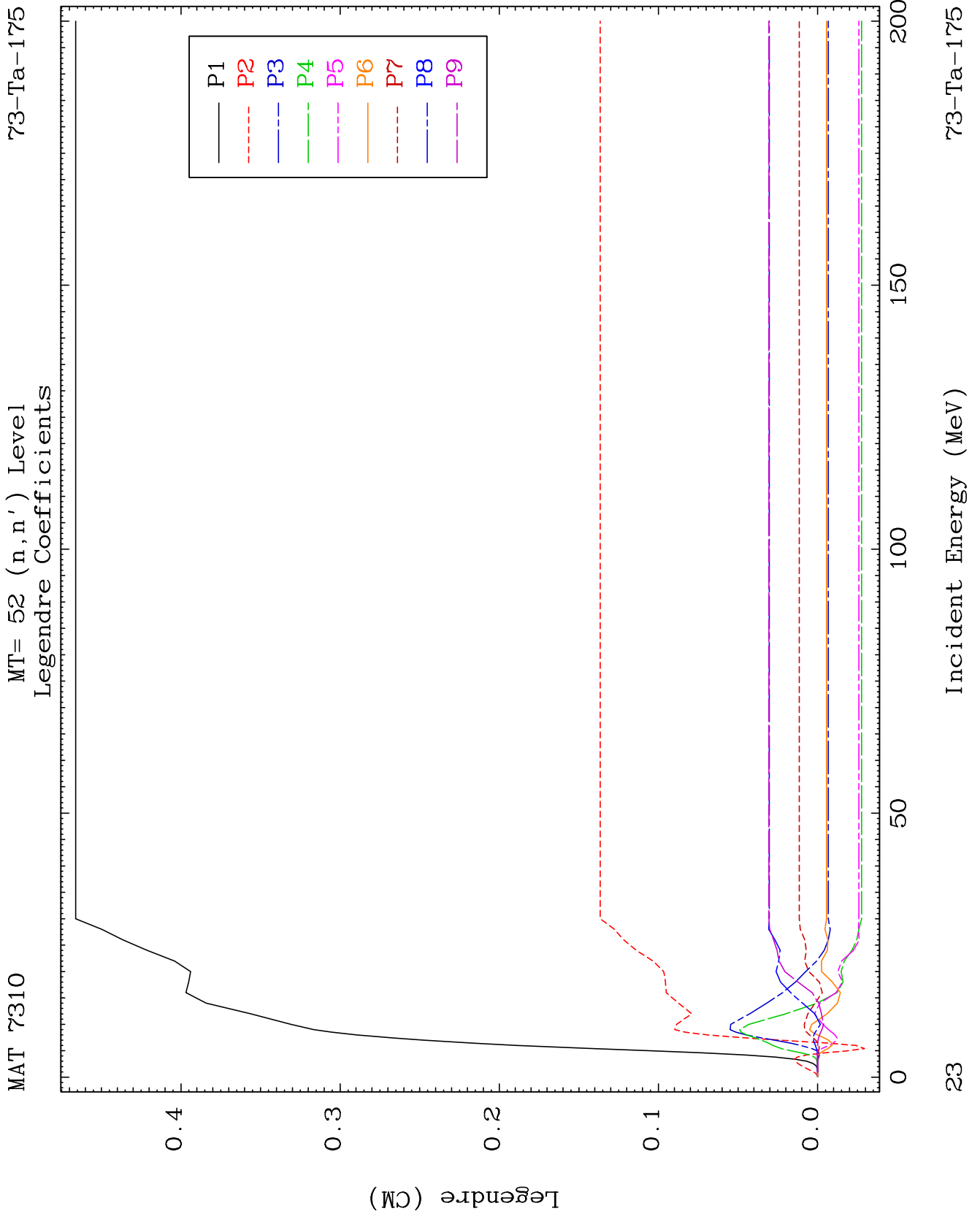
MAT 7310

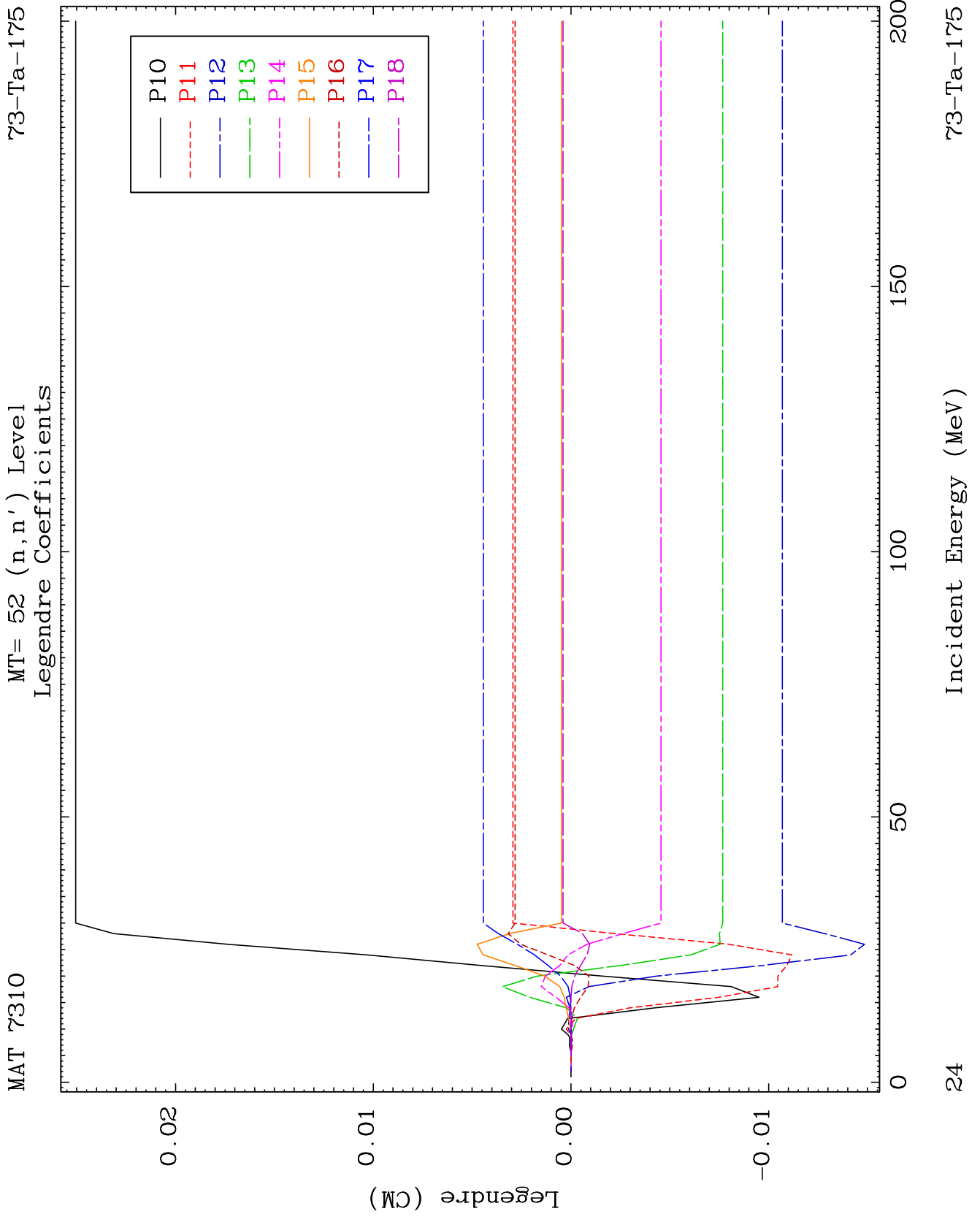
MT= 51 (n,n') Level
Legendre Coefficients

⁷³Ta-175





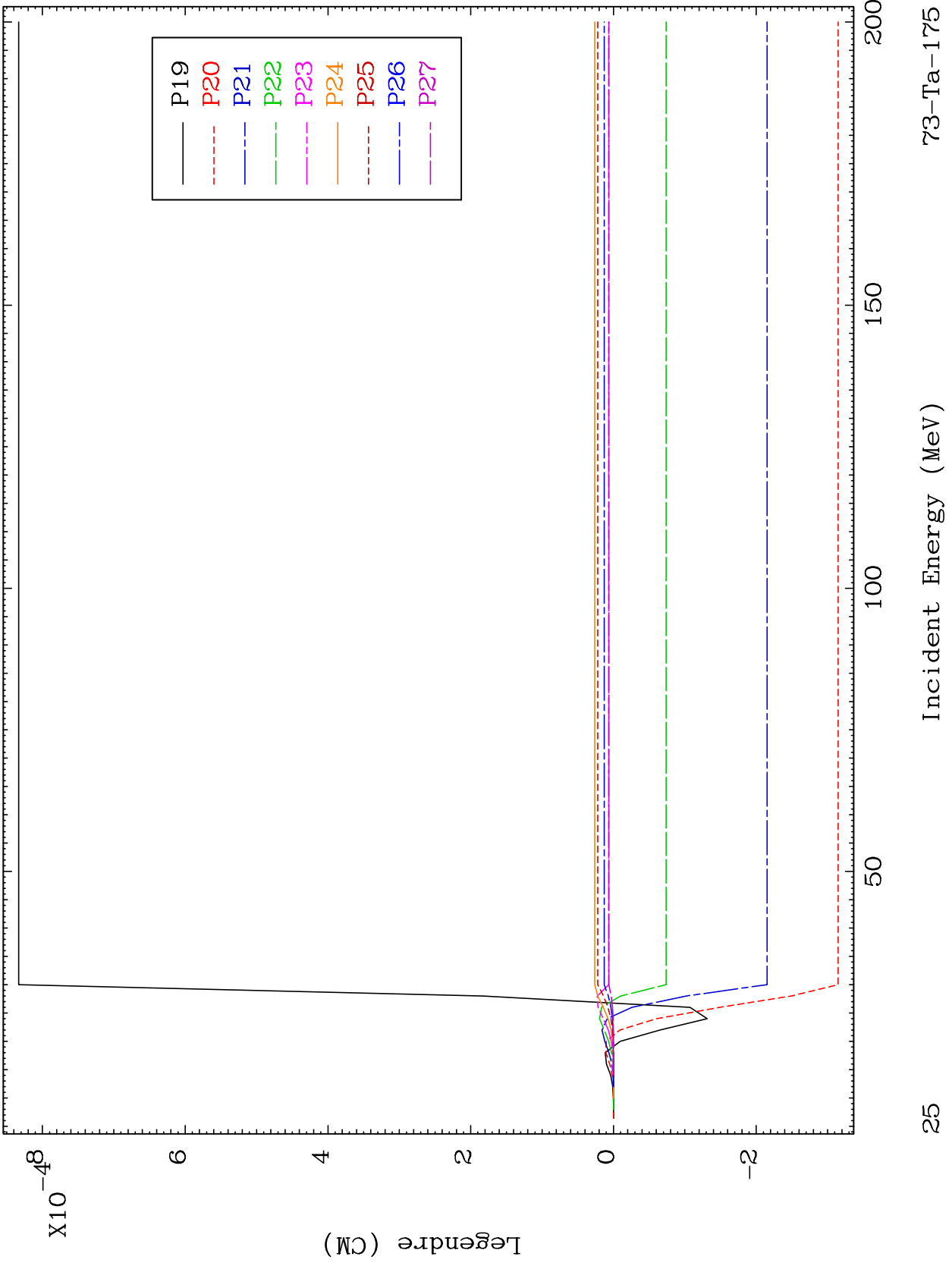




MAT 7310

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

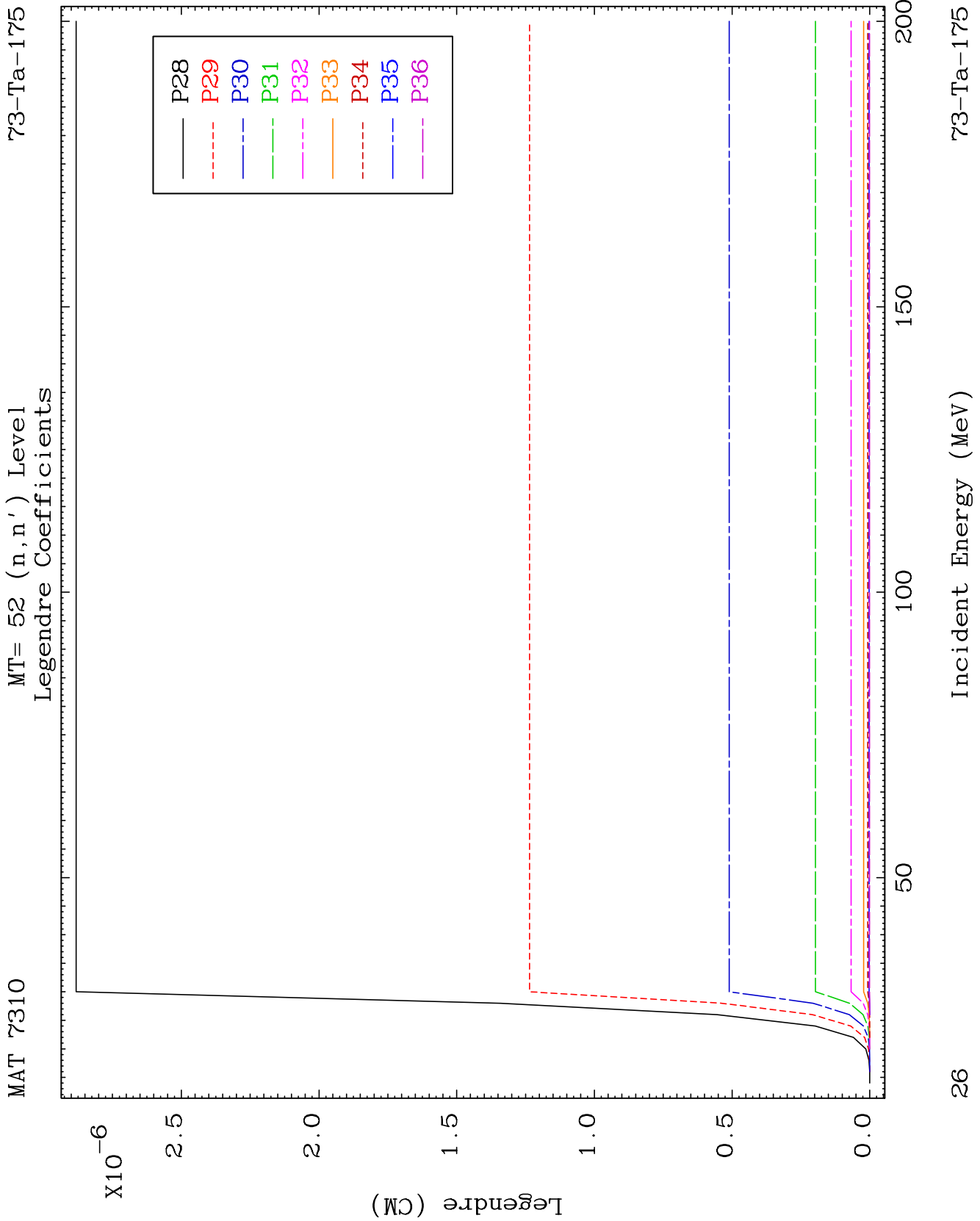
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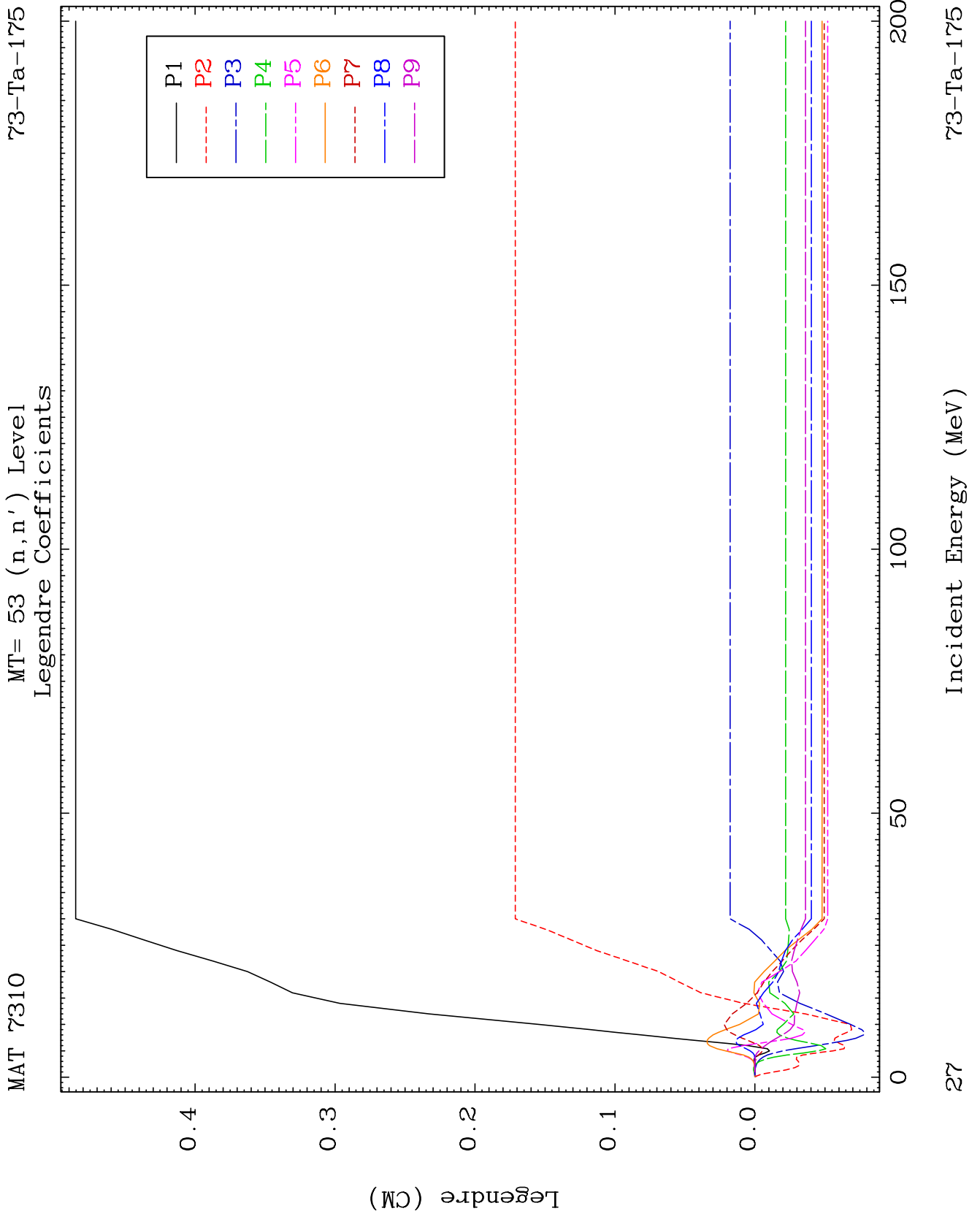


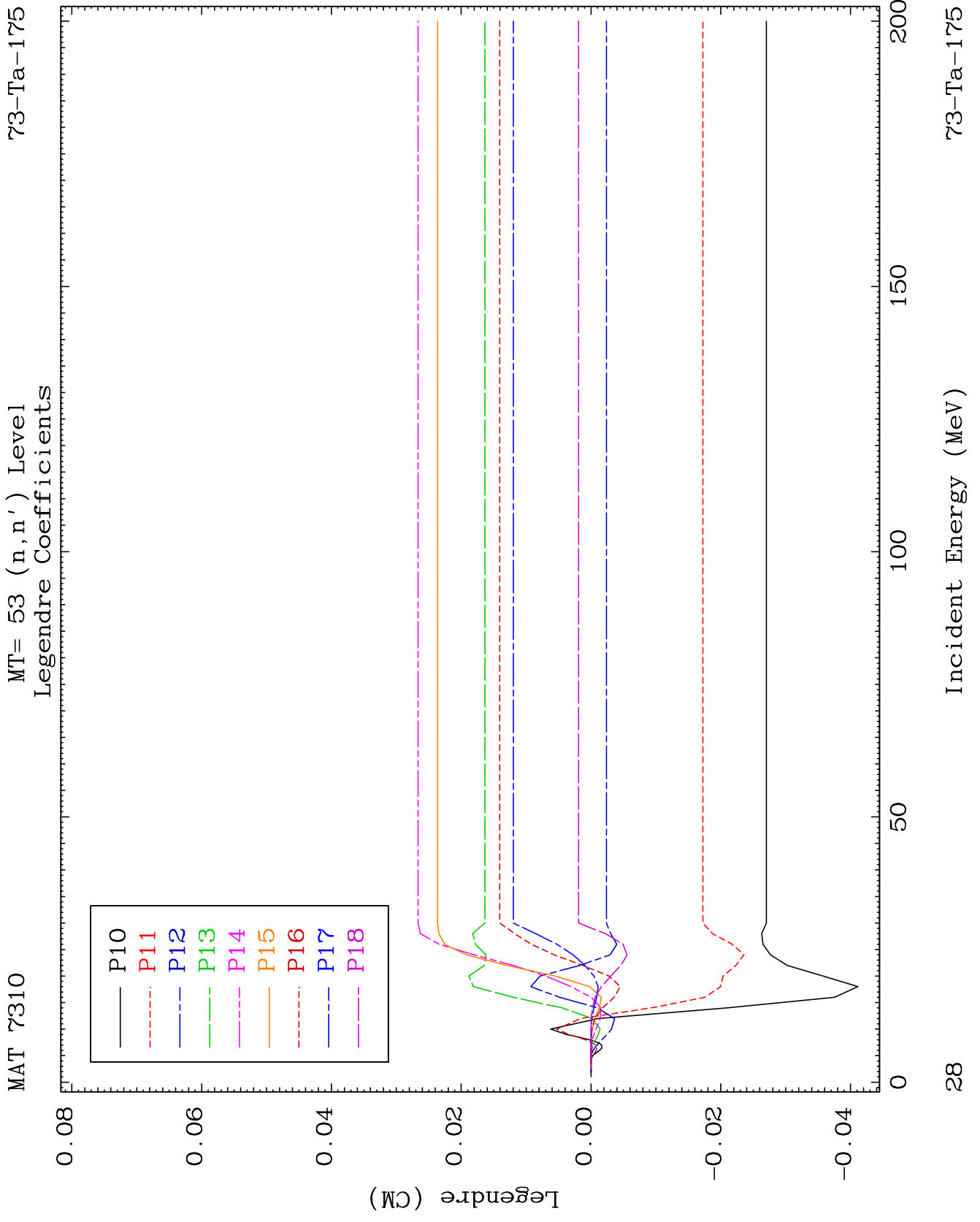
25

Incident Energy (MeV)

73-Ta-175



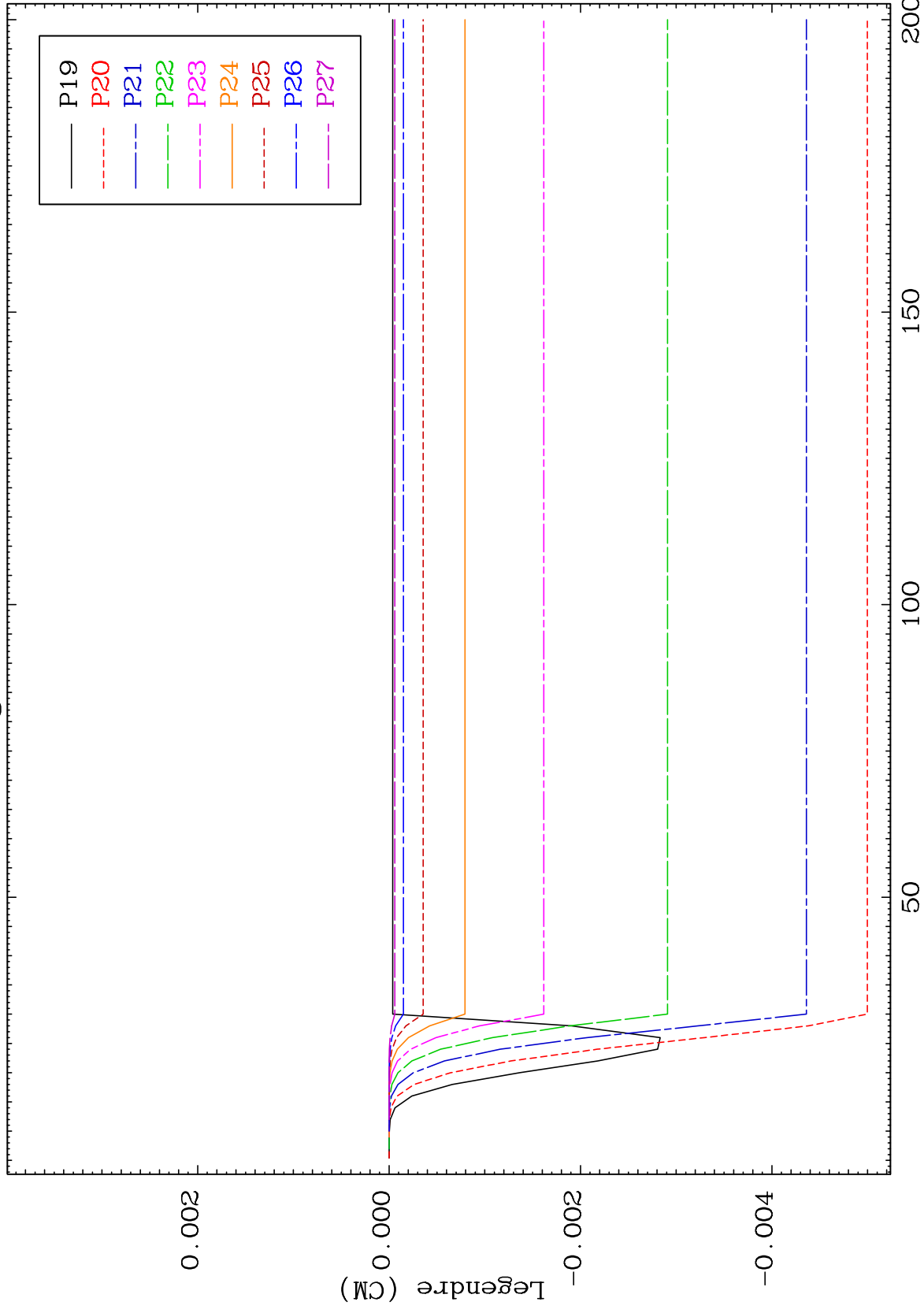




MAT 7310

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

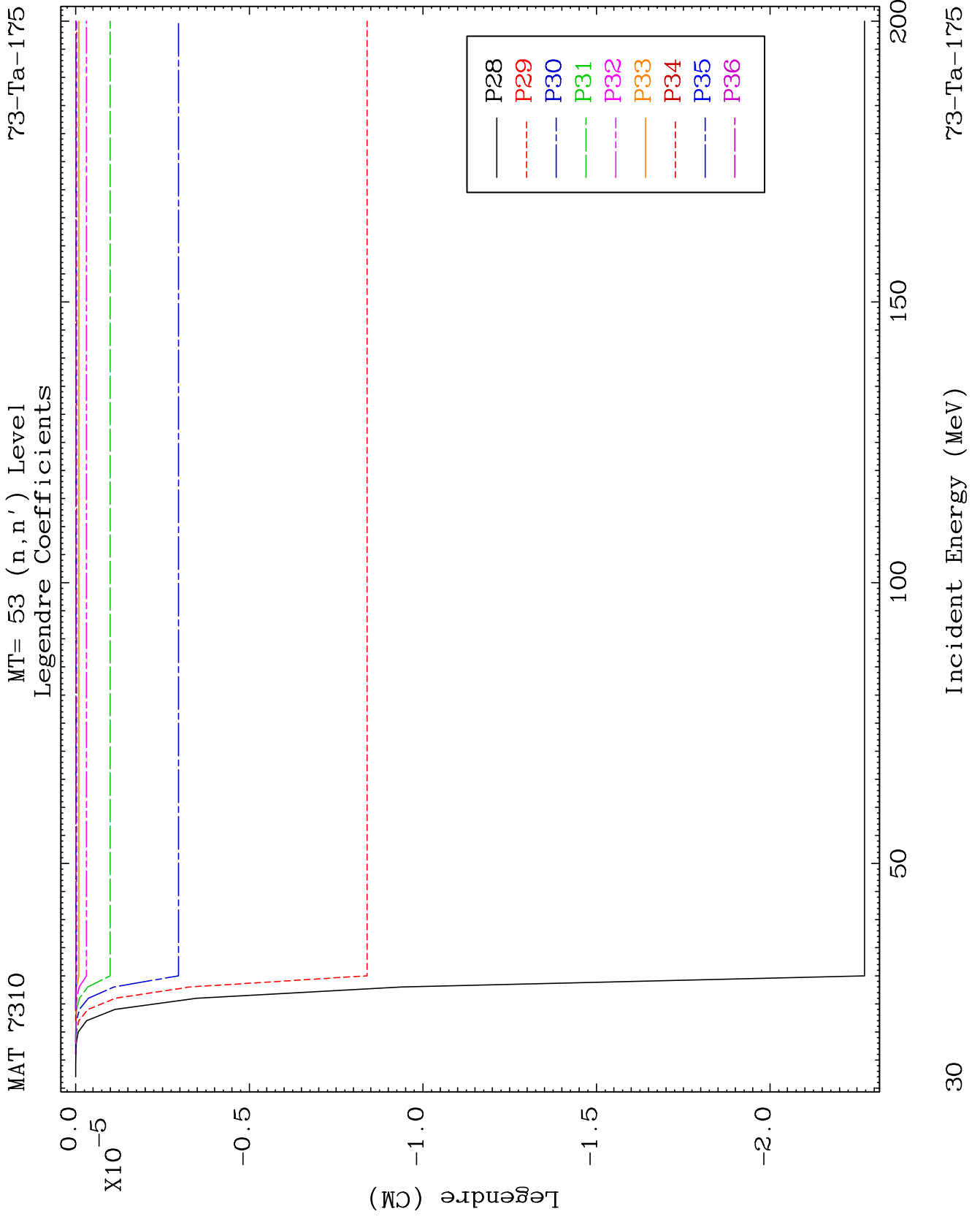
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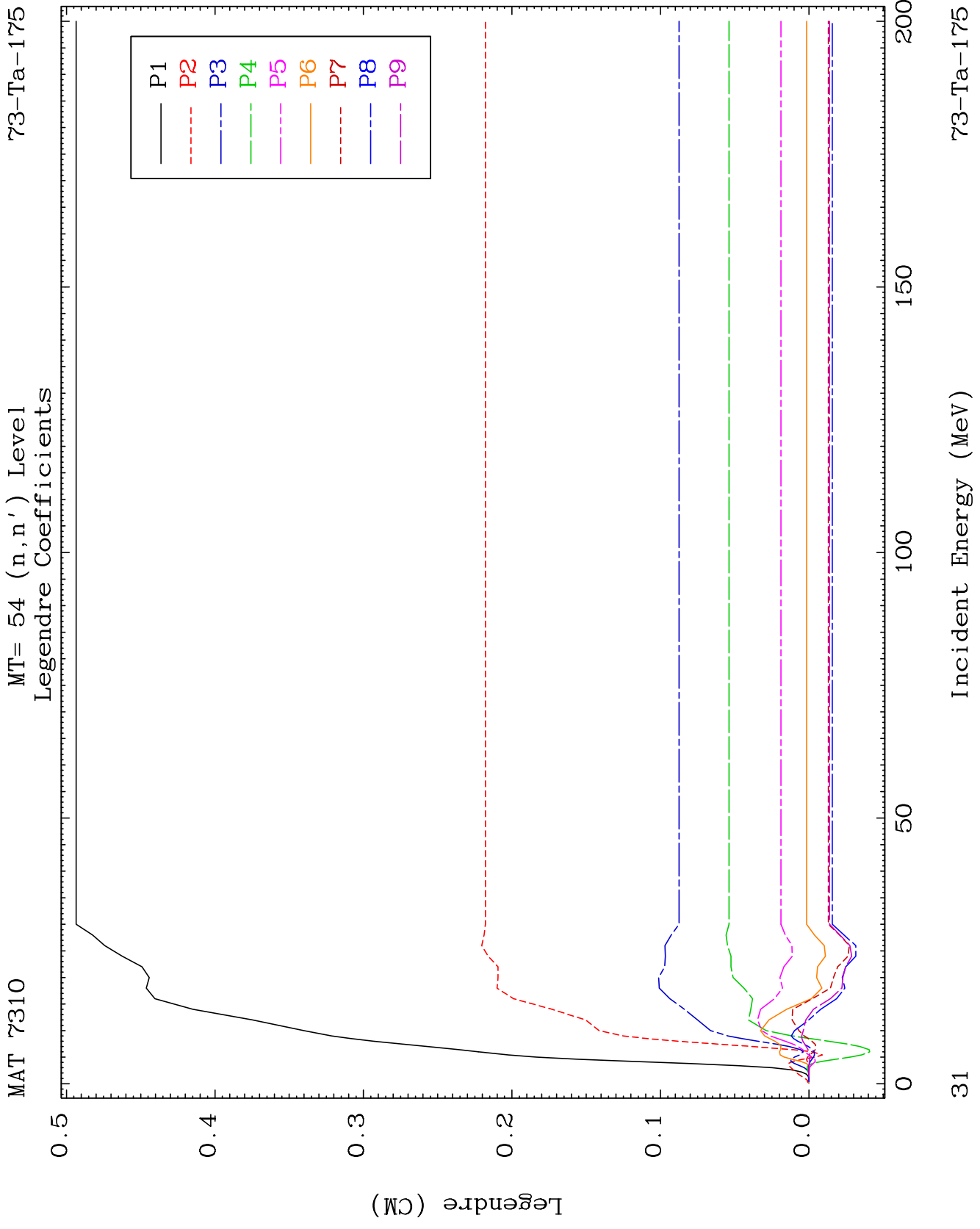


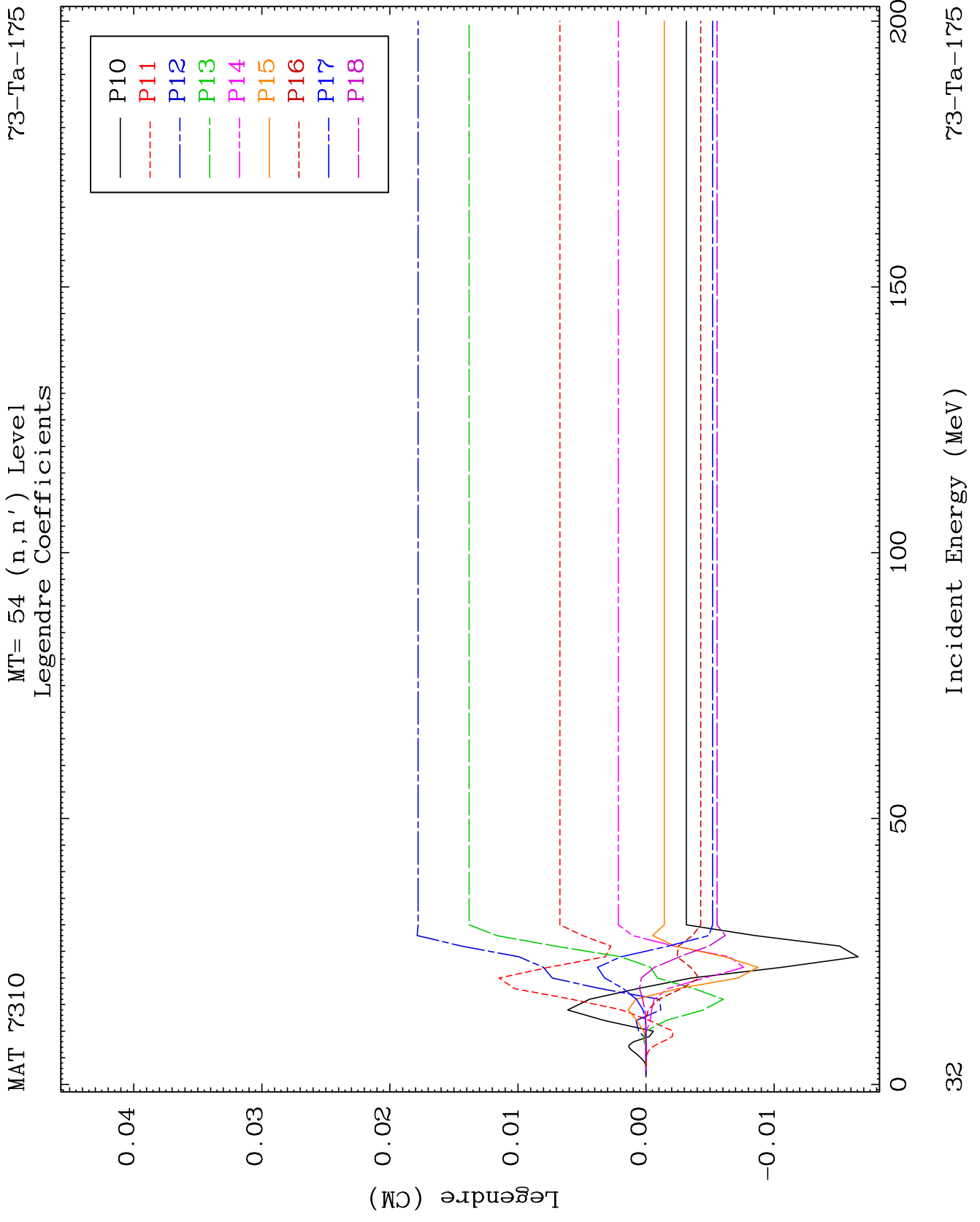
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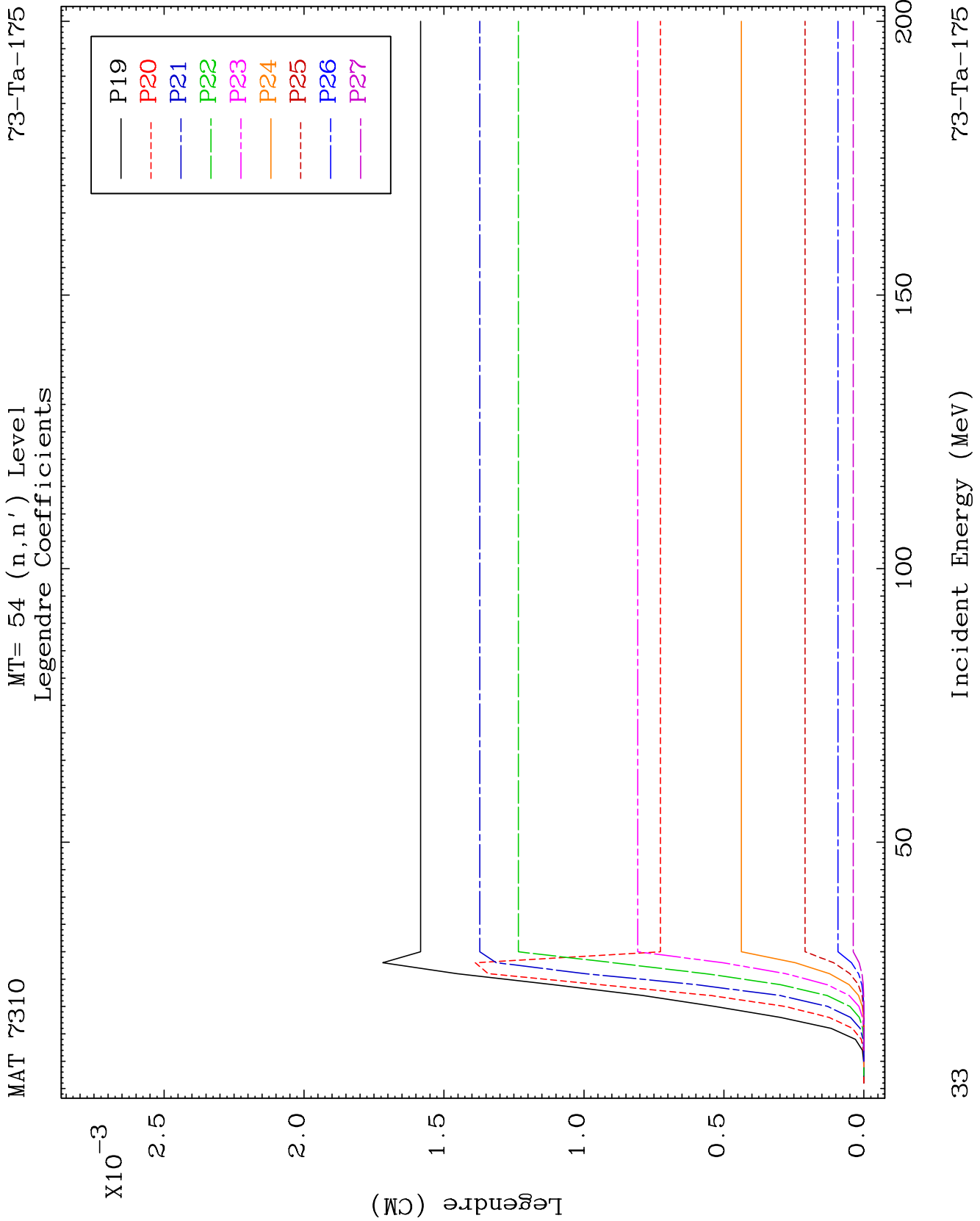
Incident Energy (MeV)

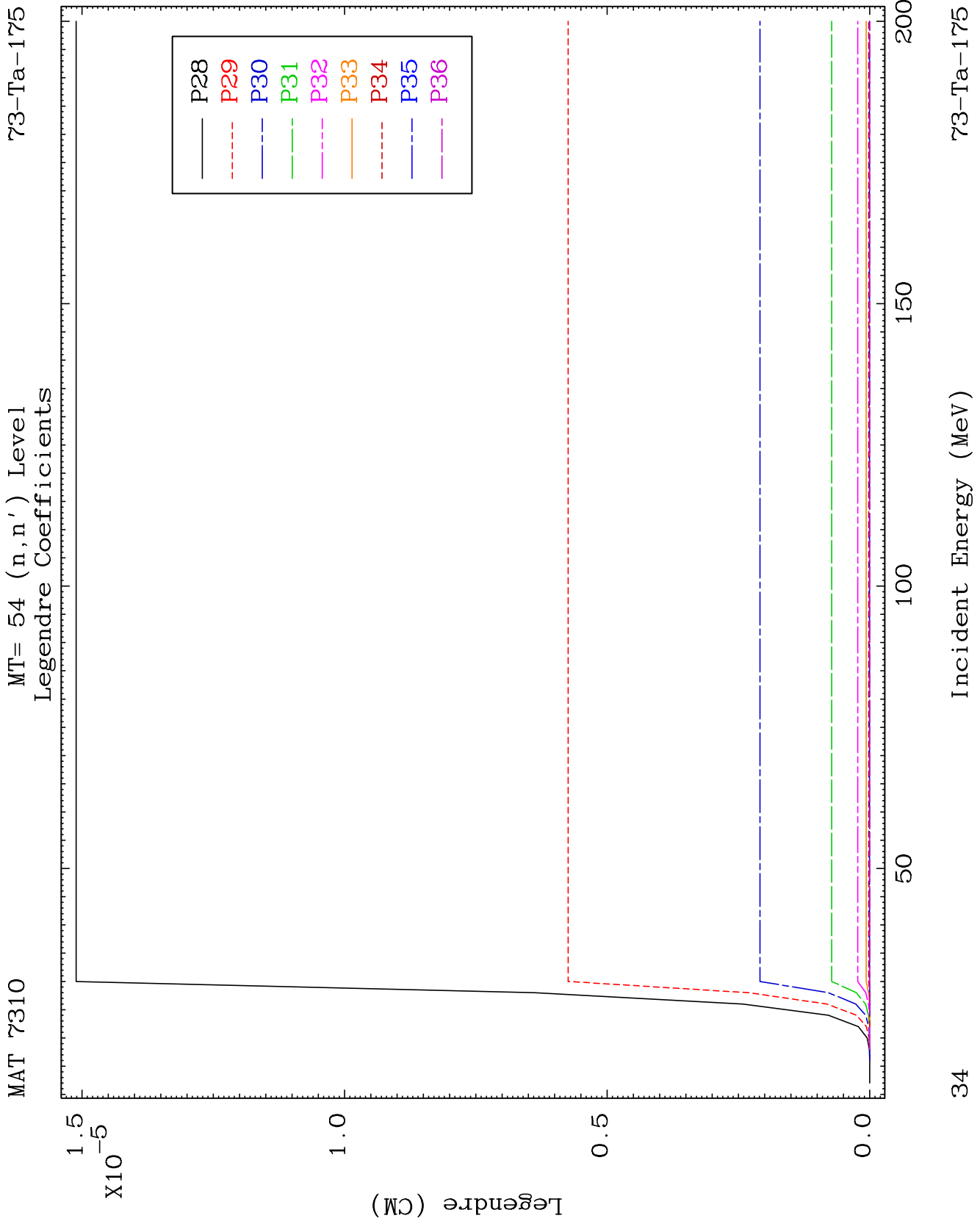
73-Ta-175

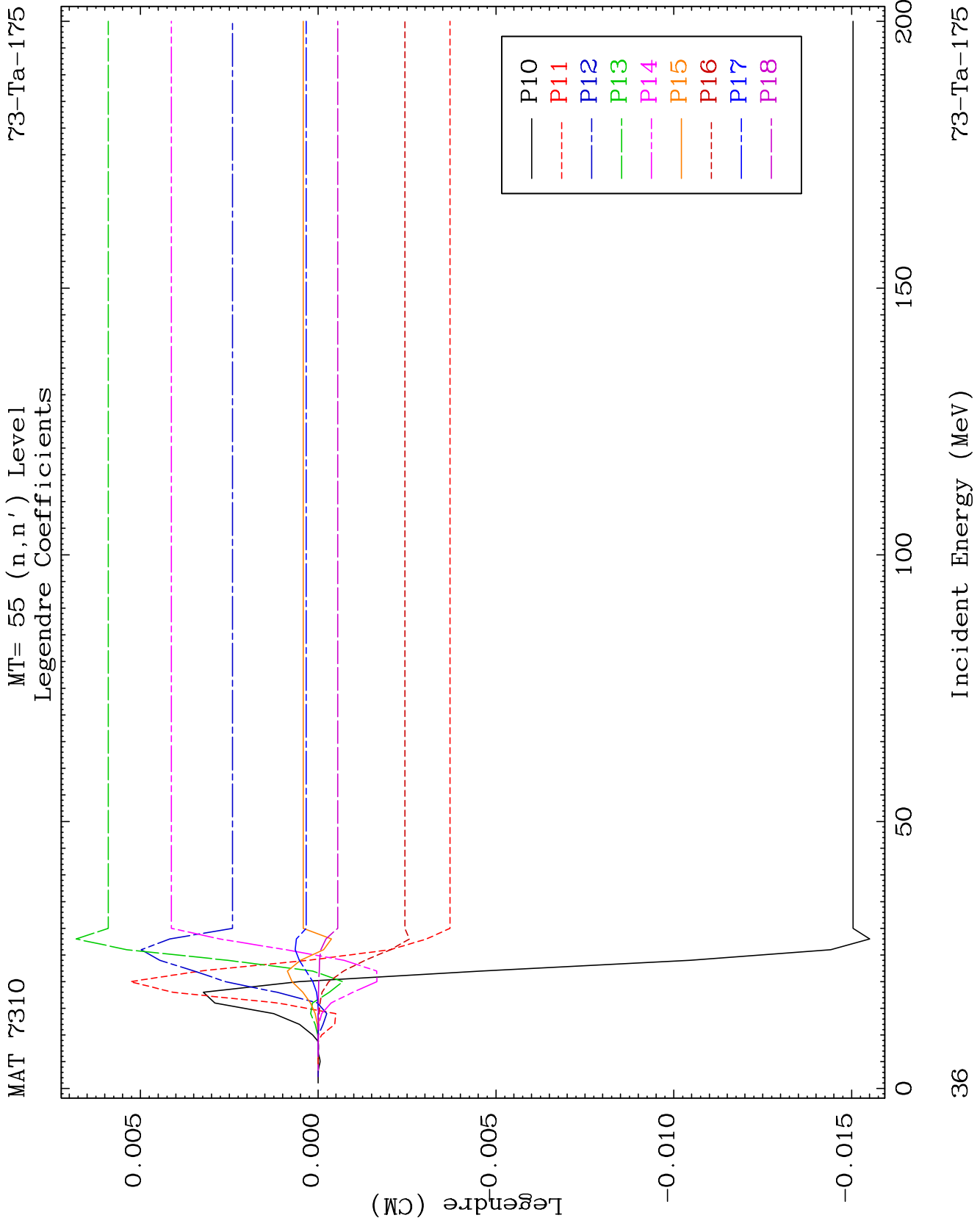


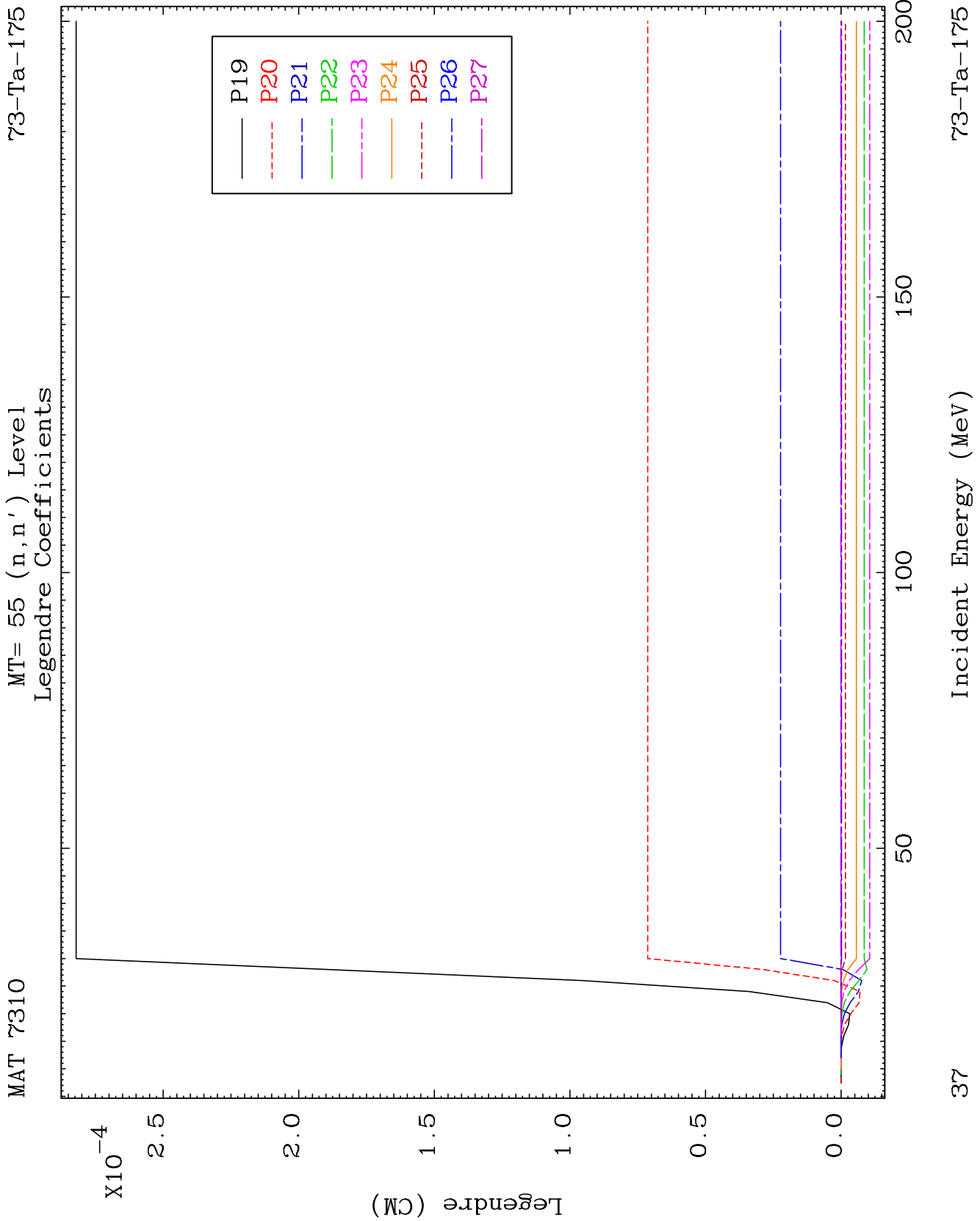


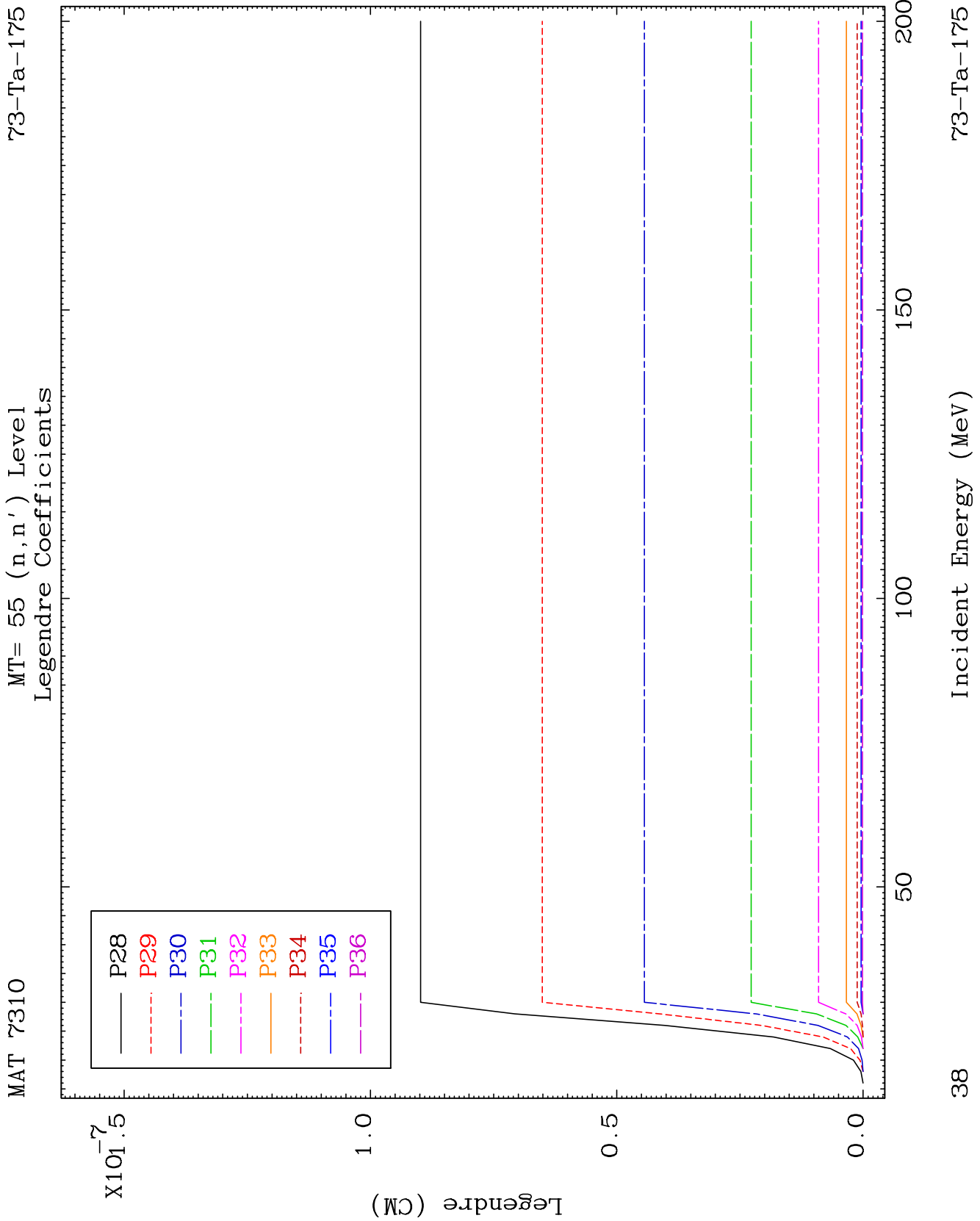








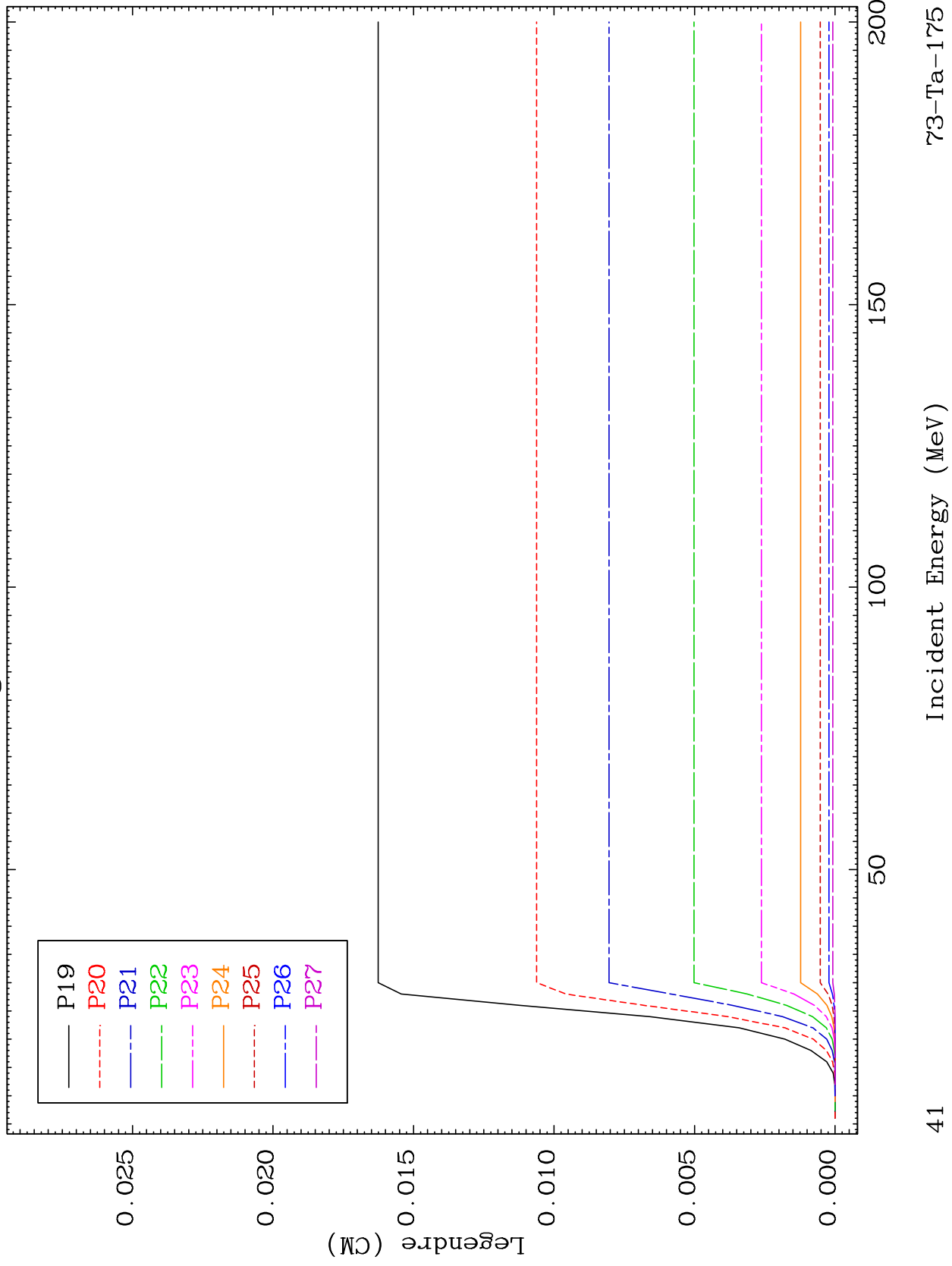




MAT 7310

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

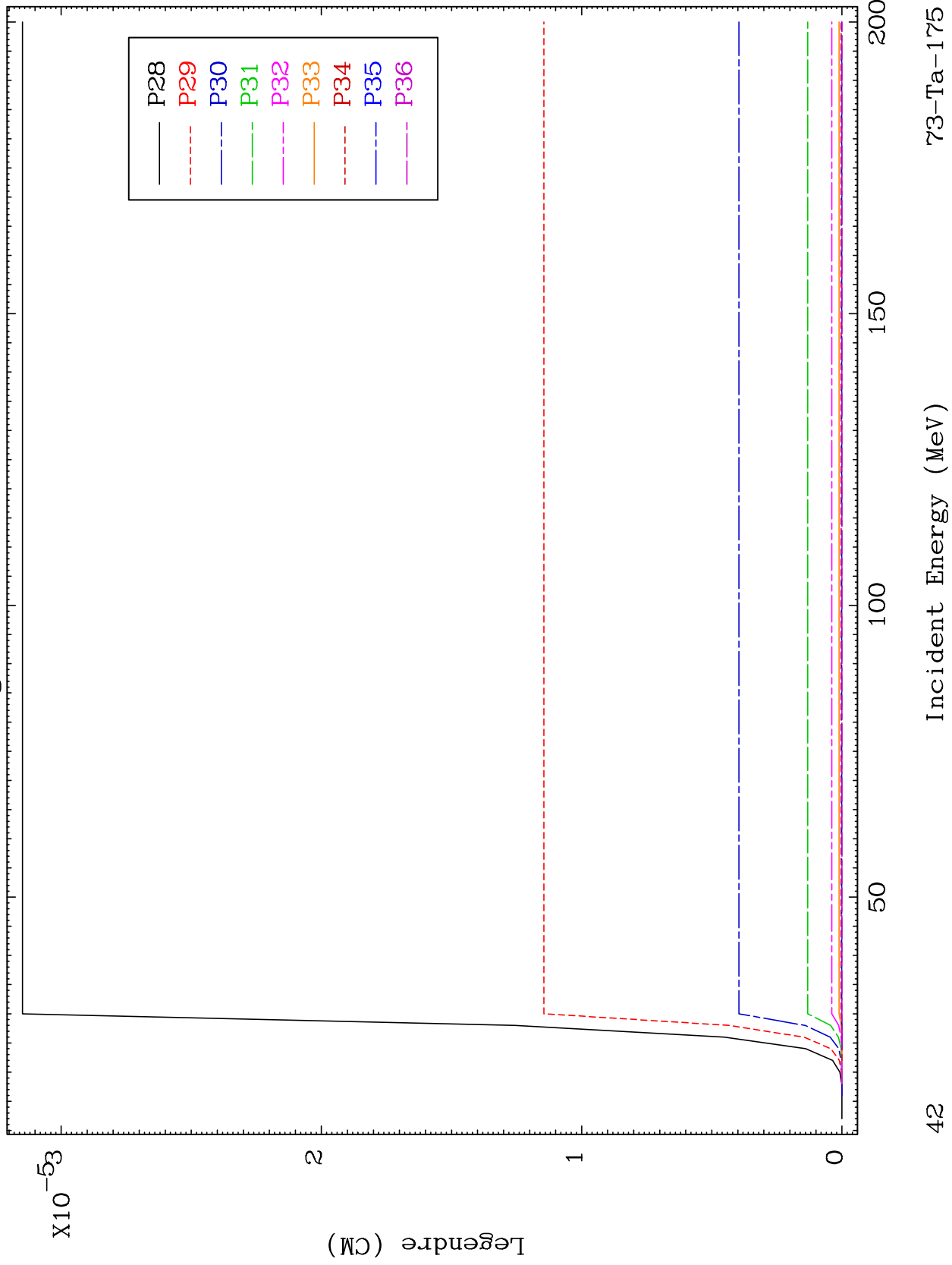
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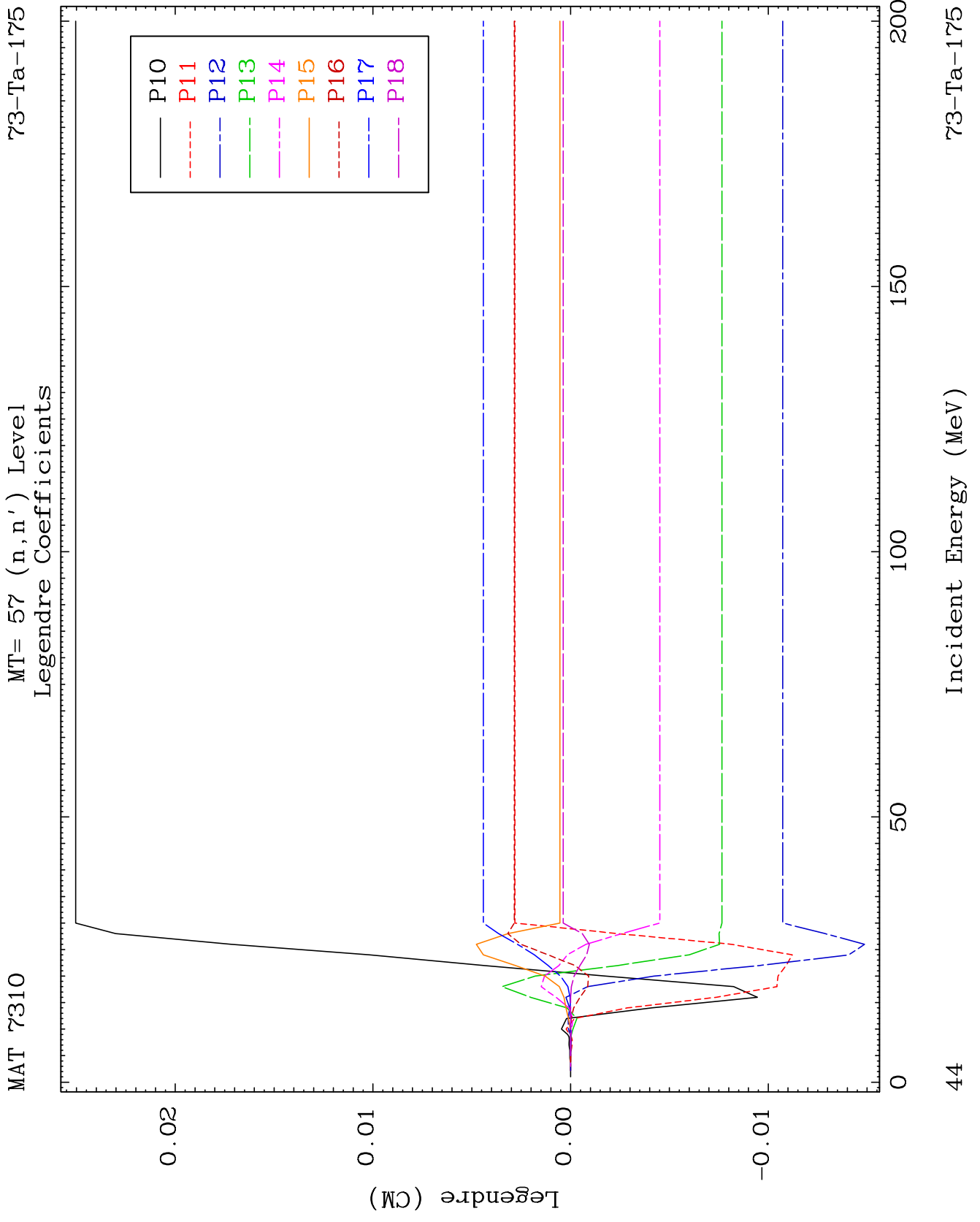


MAT 7310

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

73-Ta-175

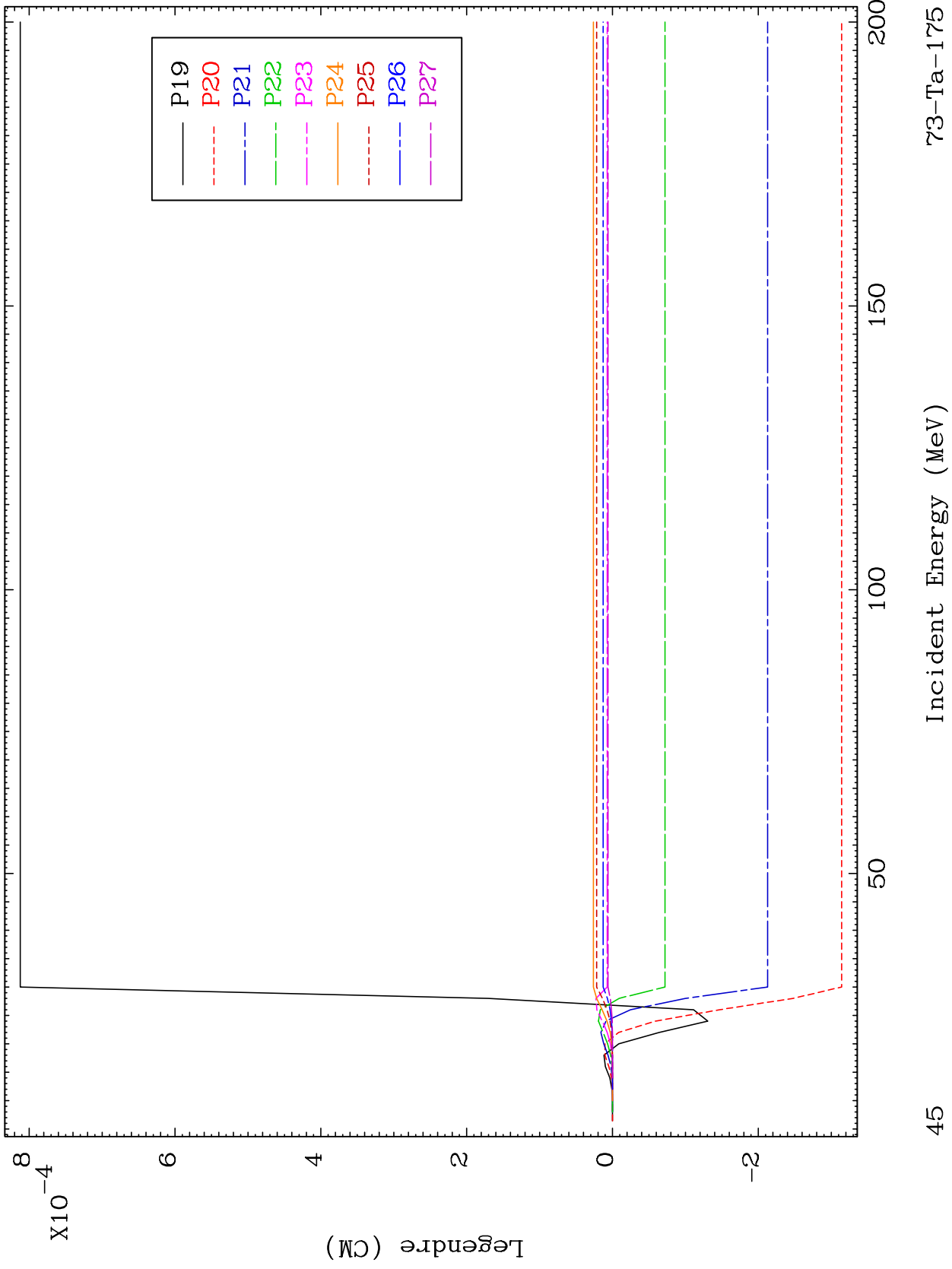


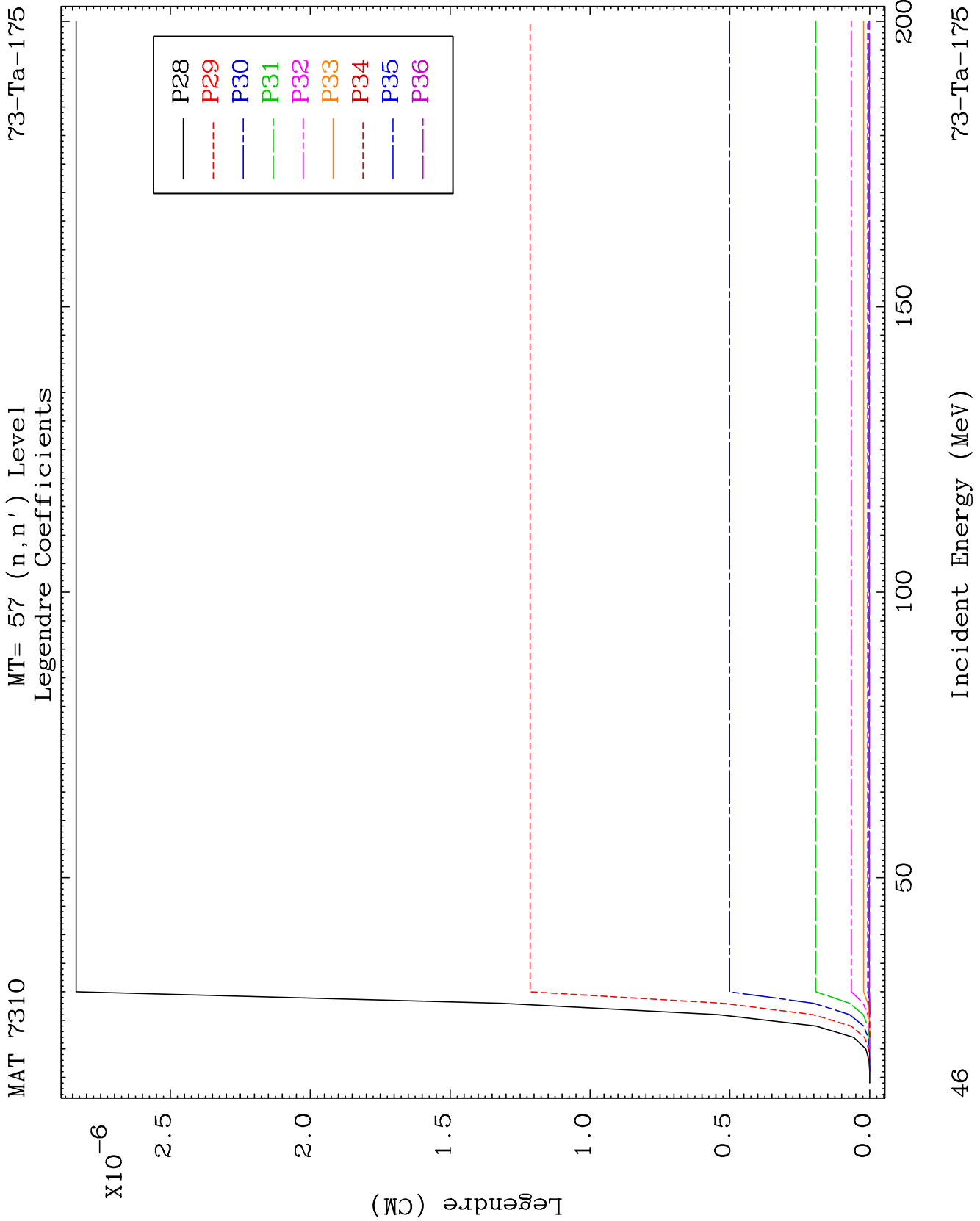


MAT 7310

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

73-Ta-175

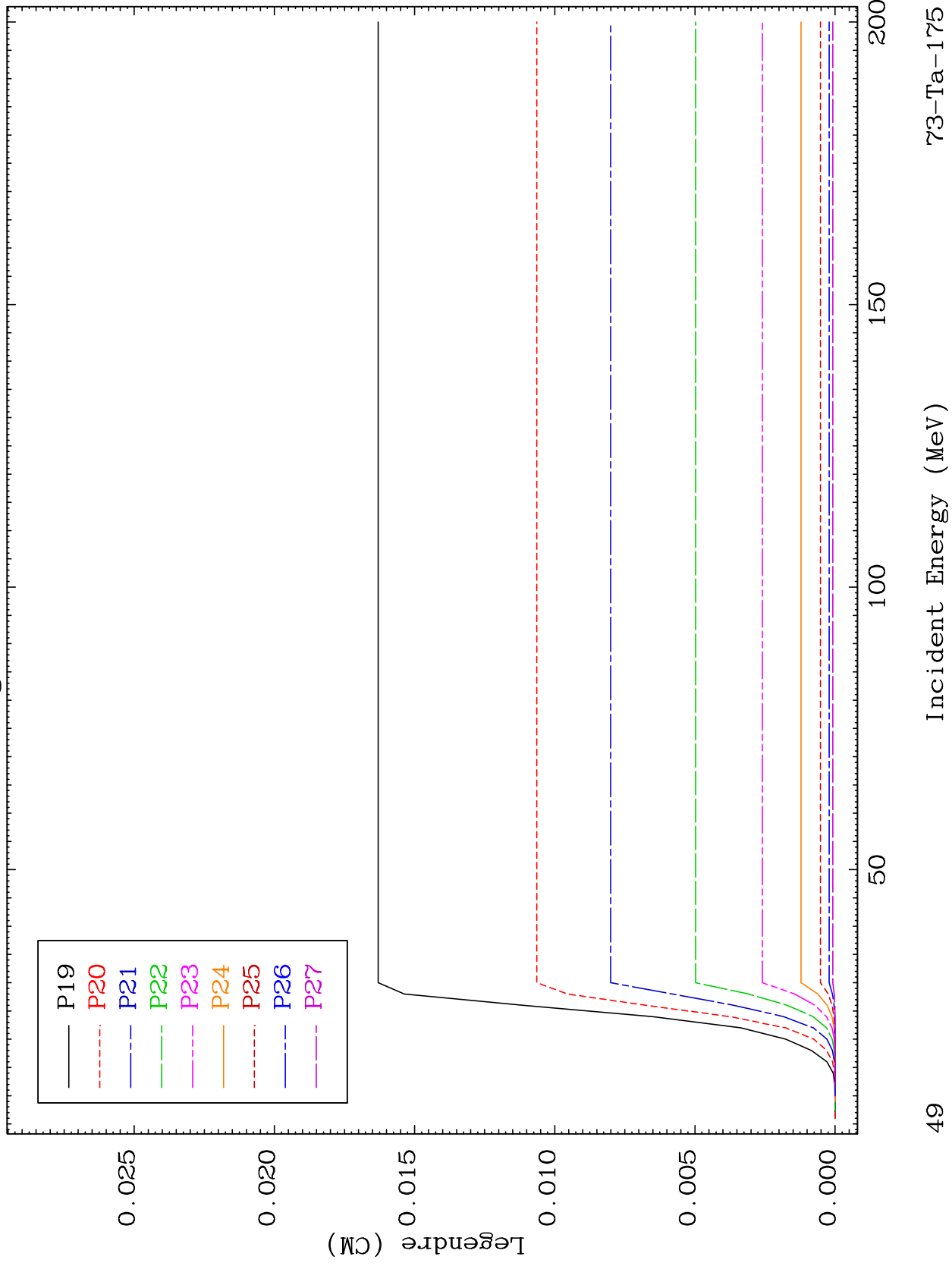


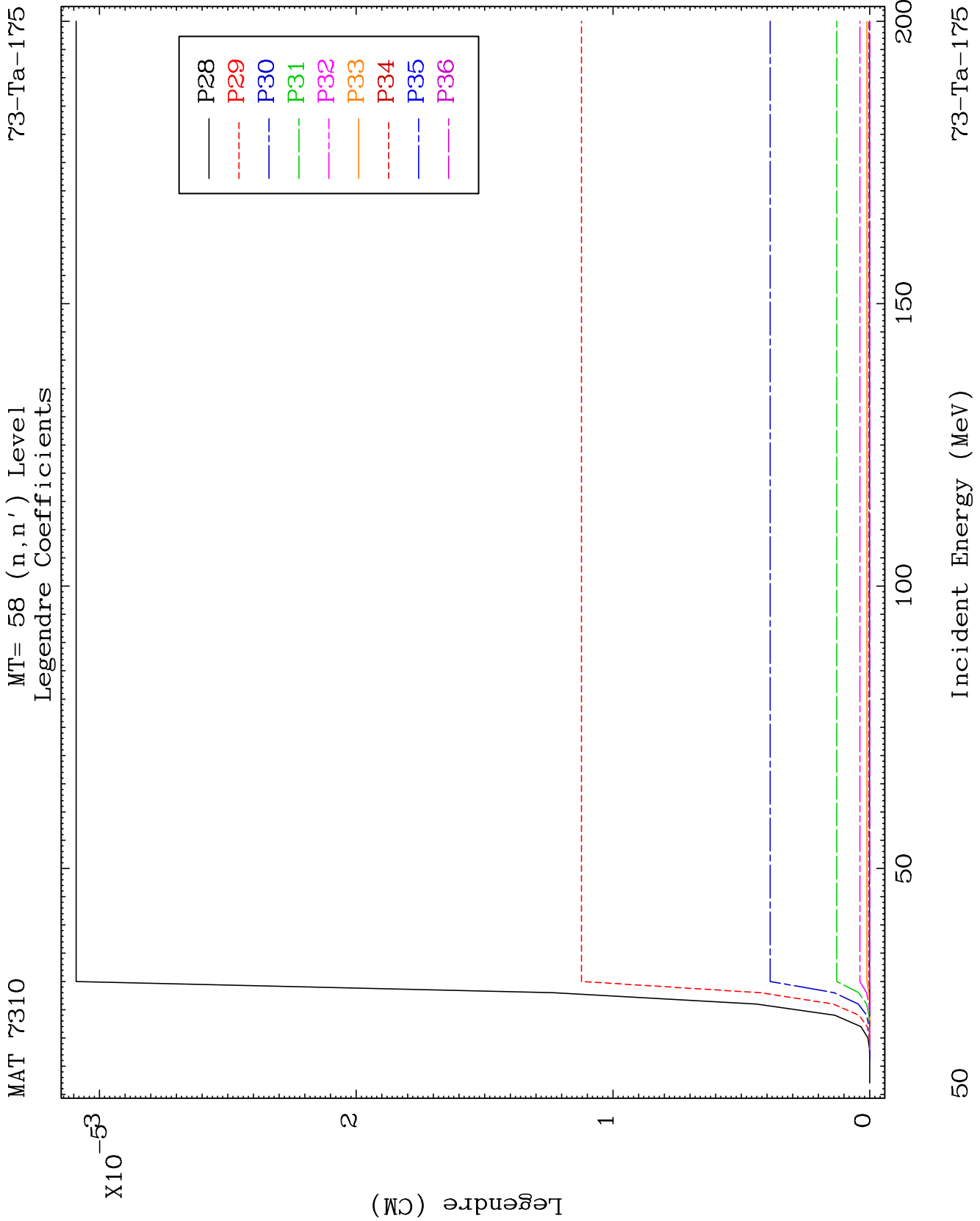


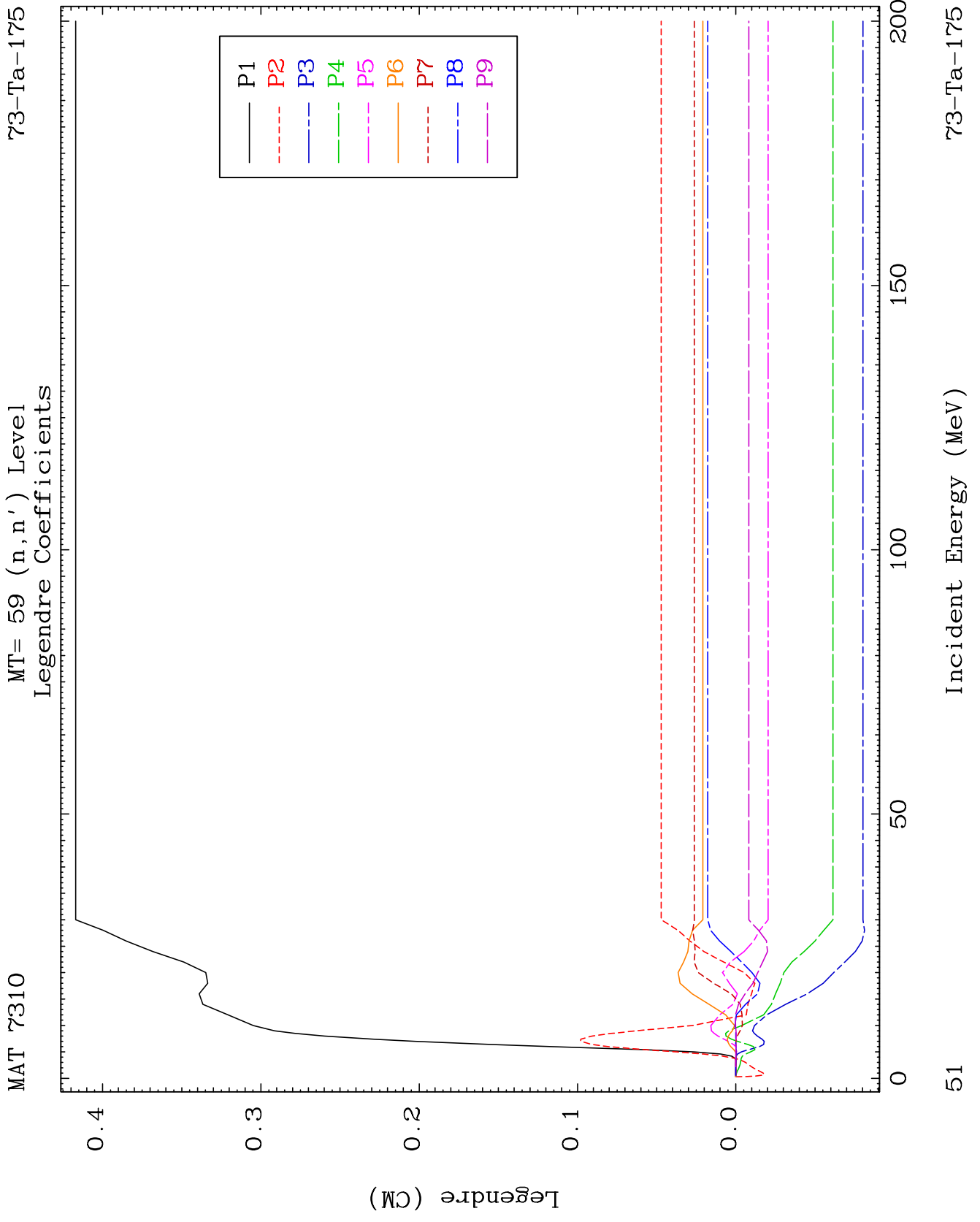
MAT 7310

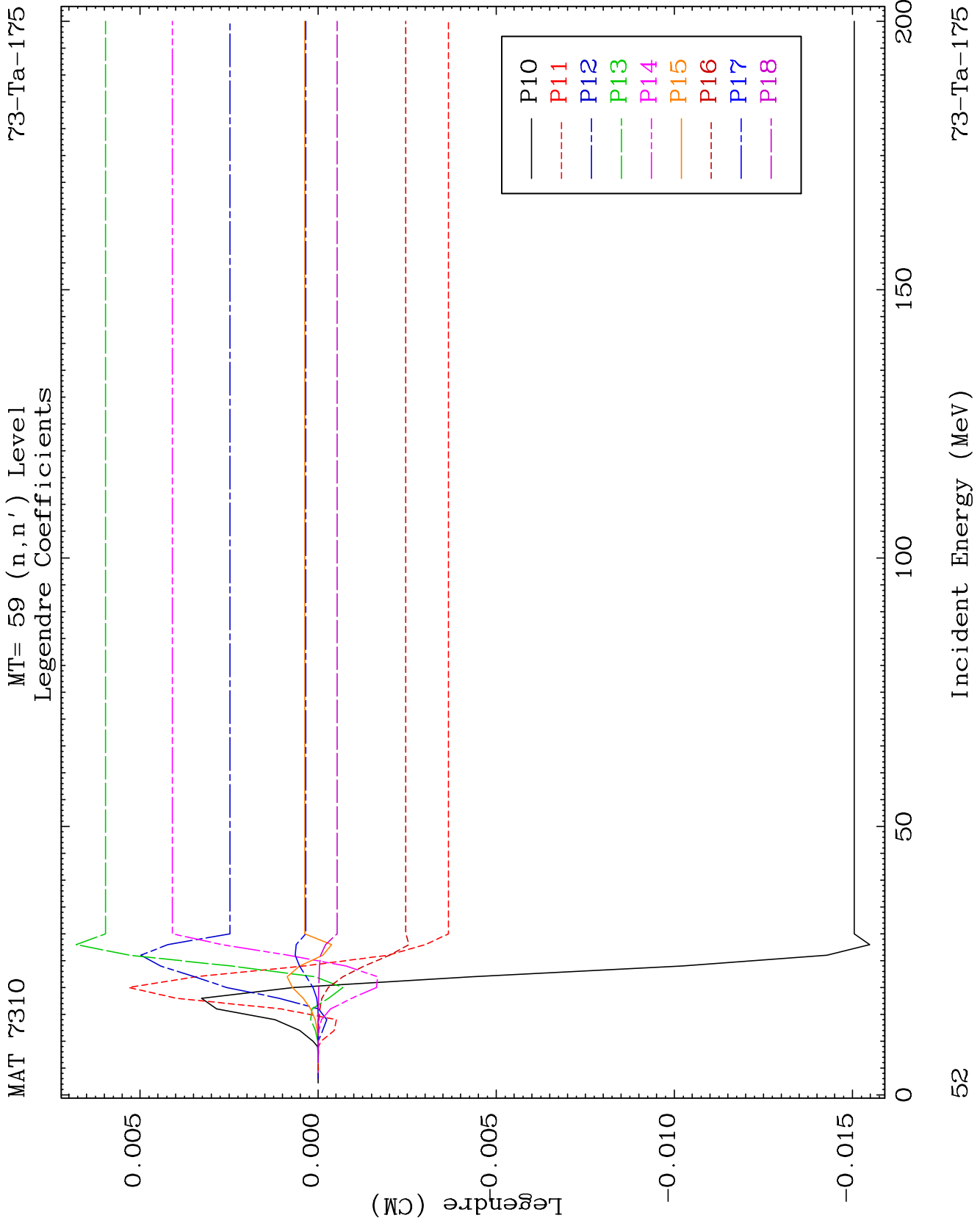
MT= 58 (n,n') Level
Legendre Coefficients

73-Ta-175





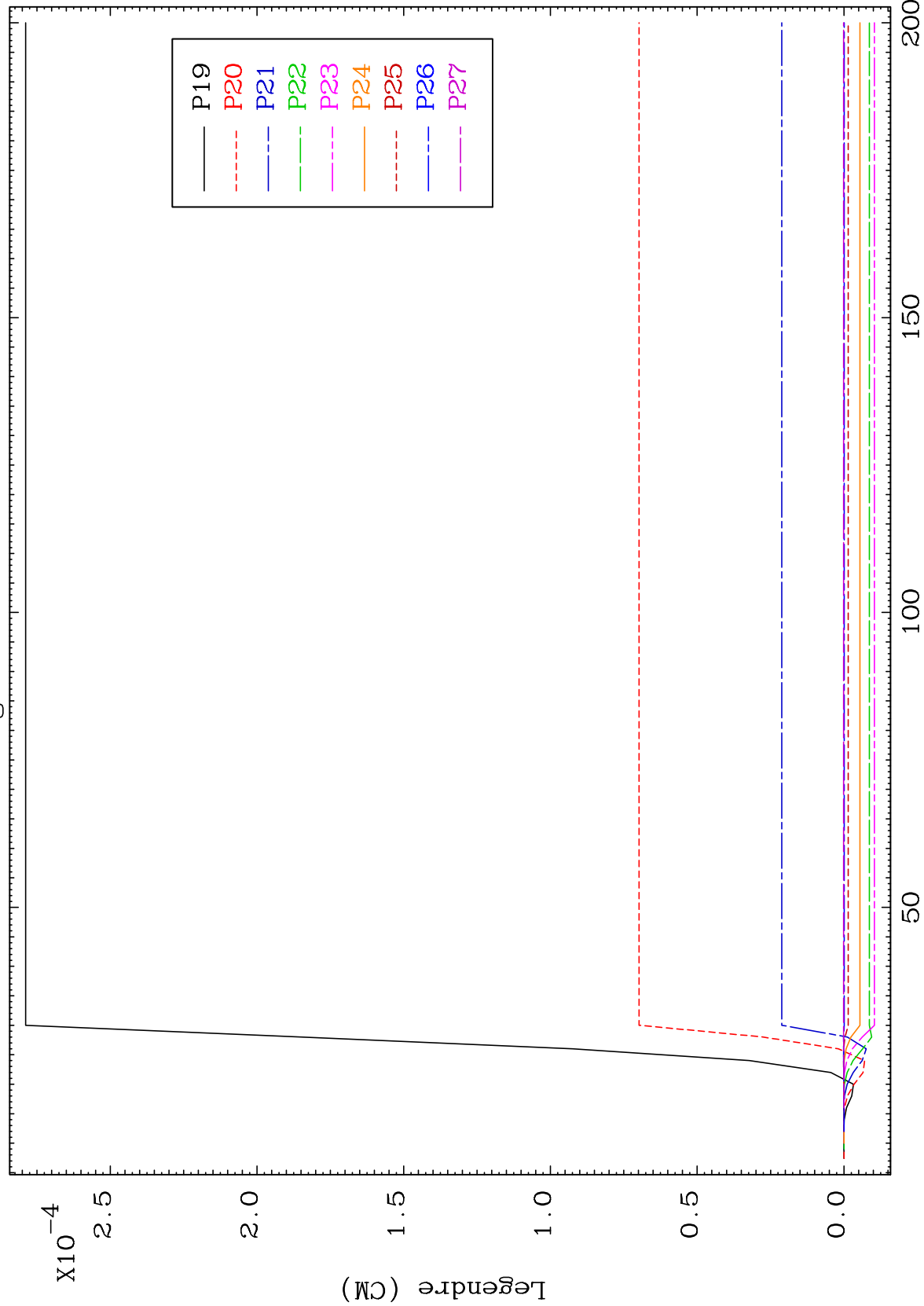




MAT 7310

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

73-Ta-175



53

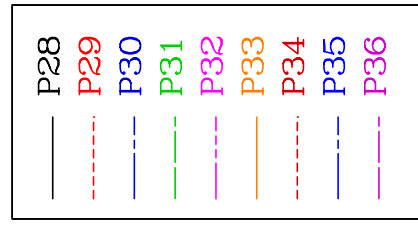
Incident Energy (MeV)

73-Ta-175

MAT 7310

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

73-Ta-175



$\times 10^{-7}$

Legendre (CM)

1.0

0.5

0.0

50

100

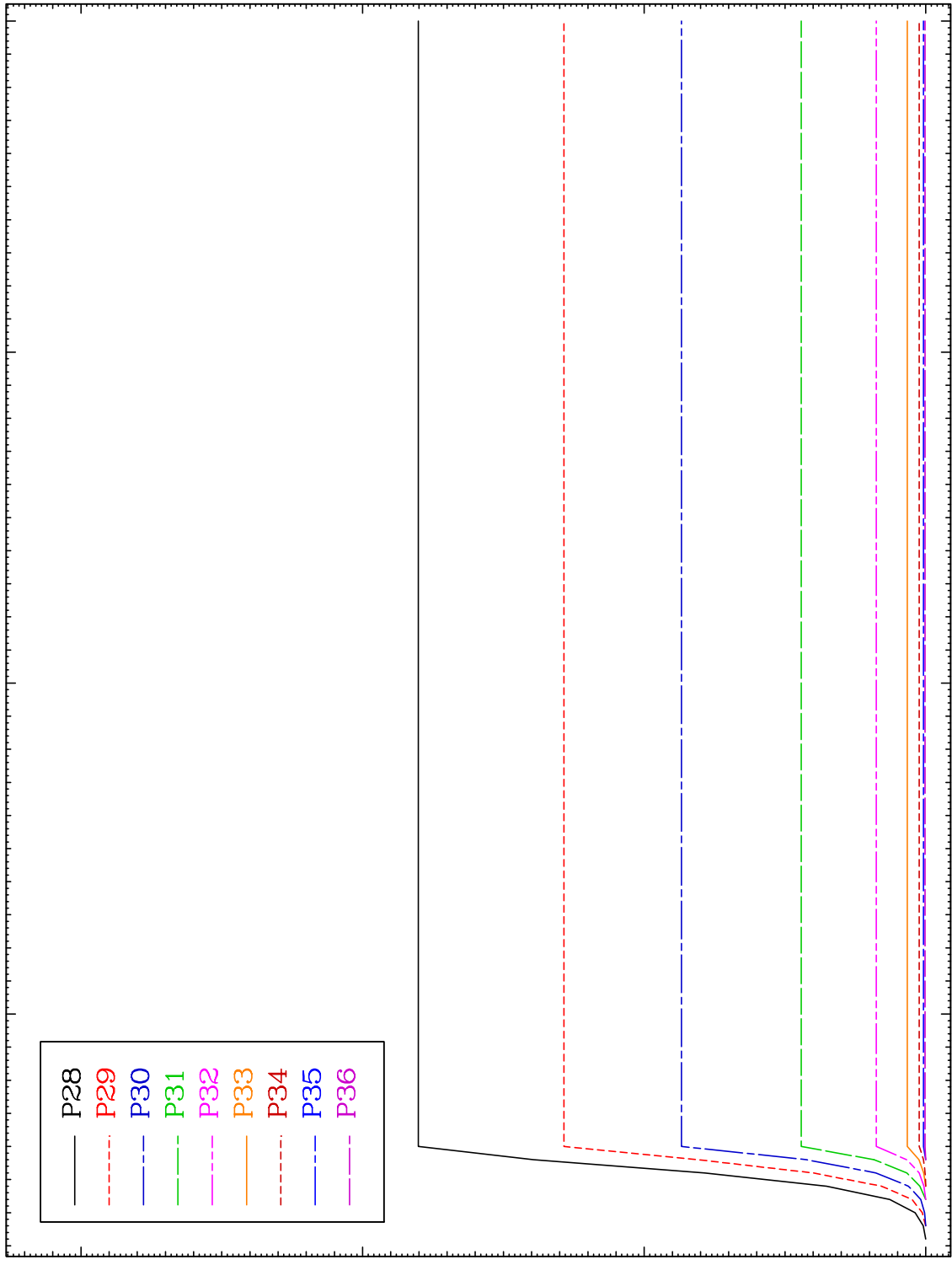
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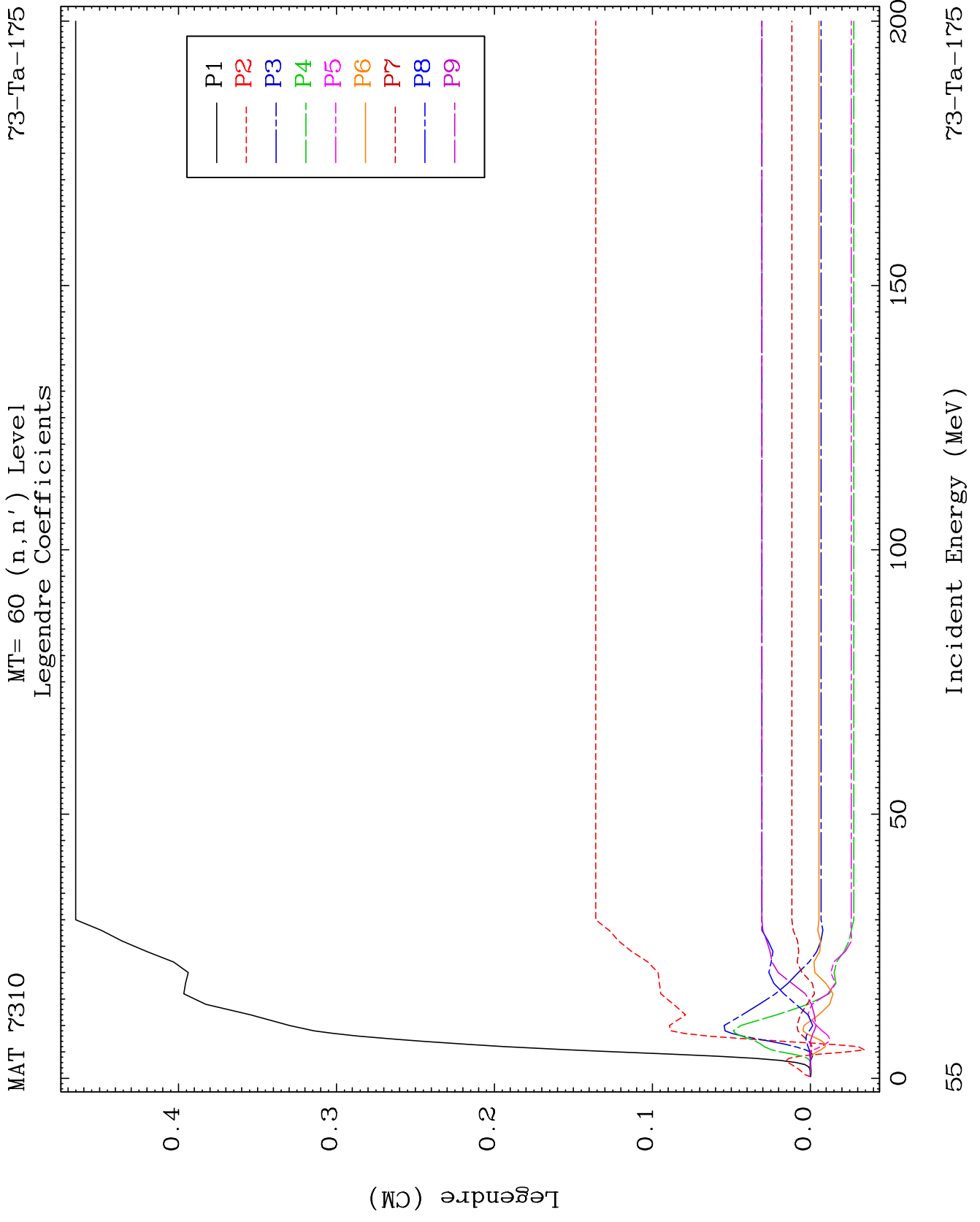
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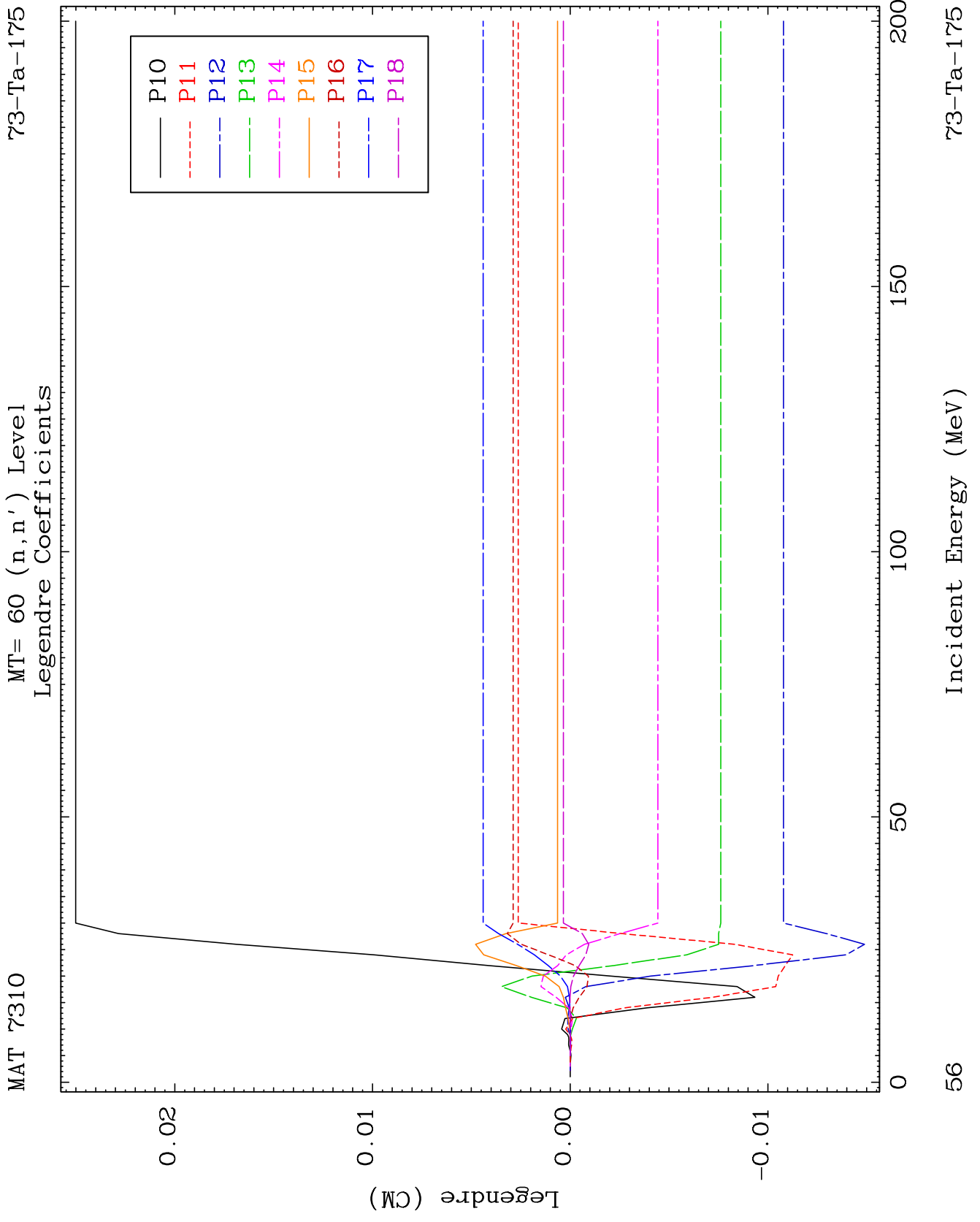
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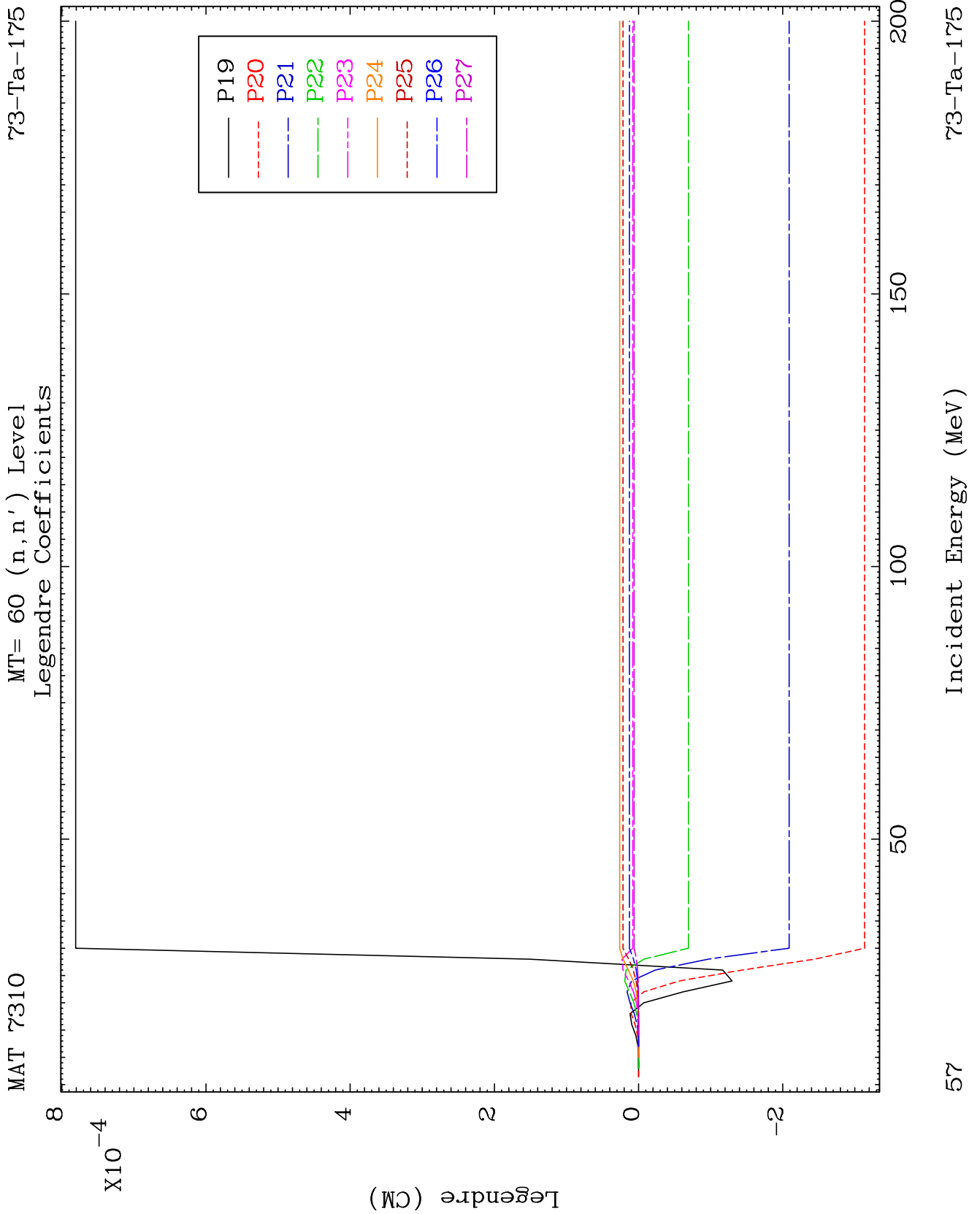
Incident Energy (MeV)

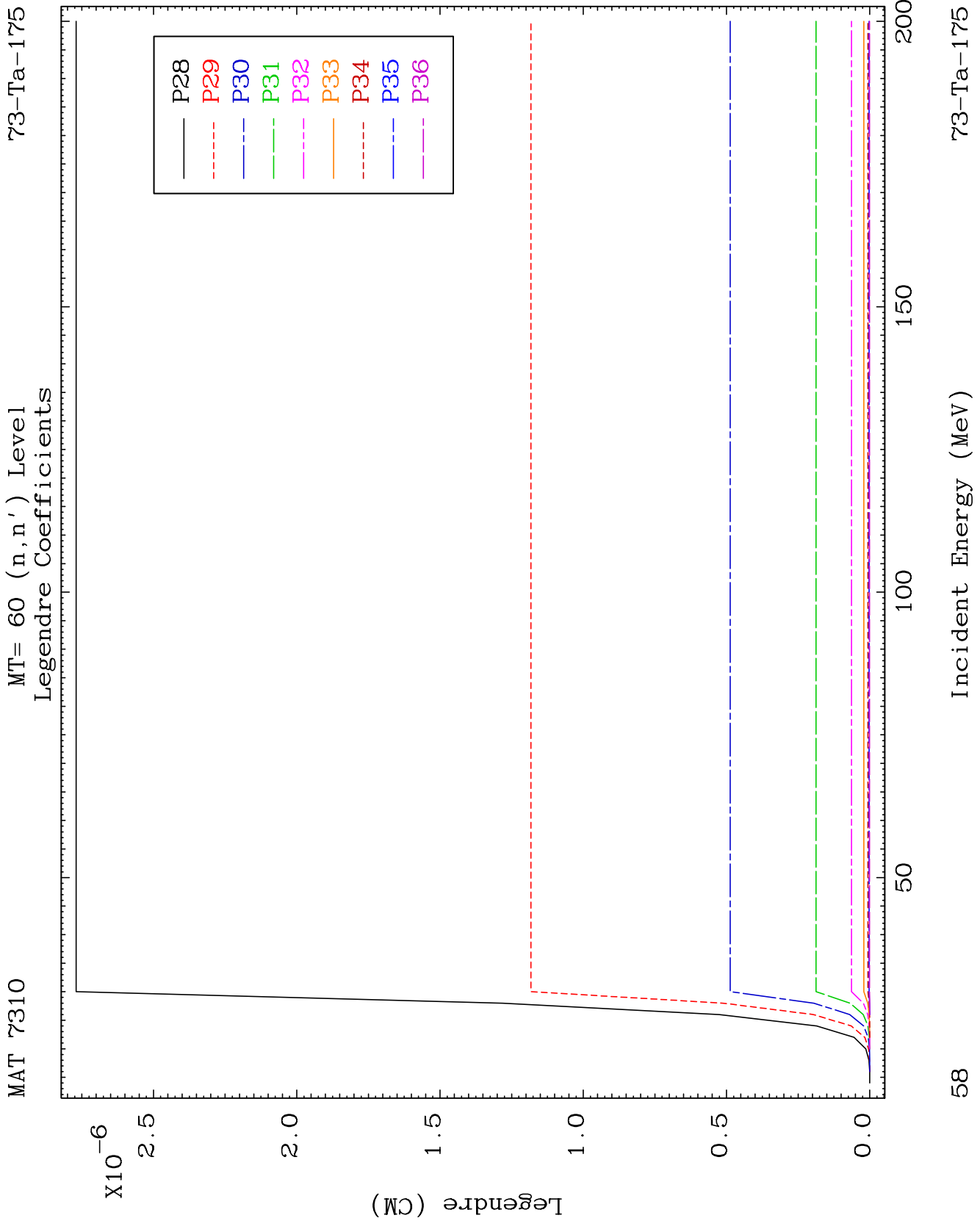
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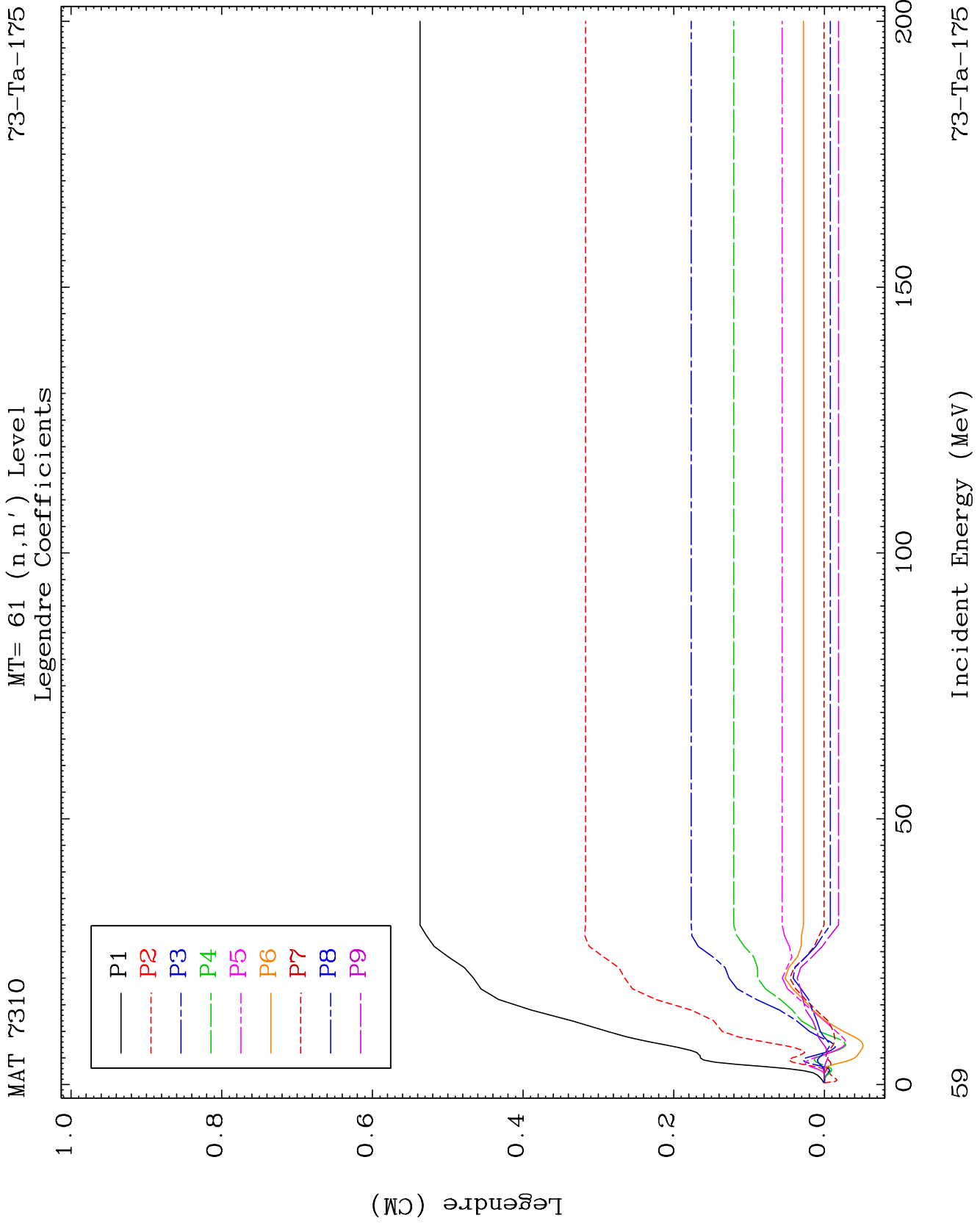








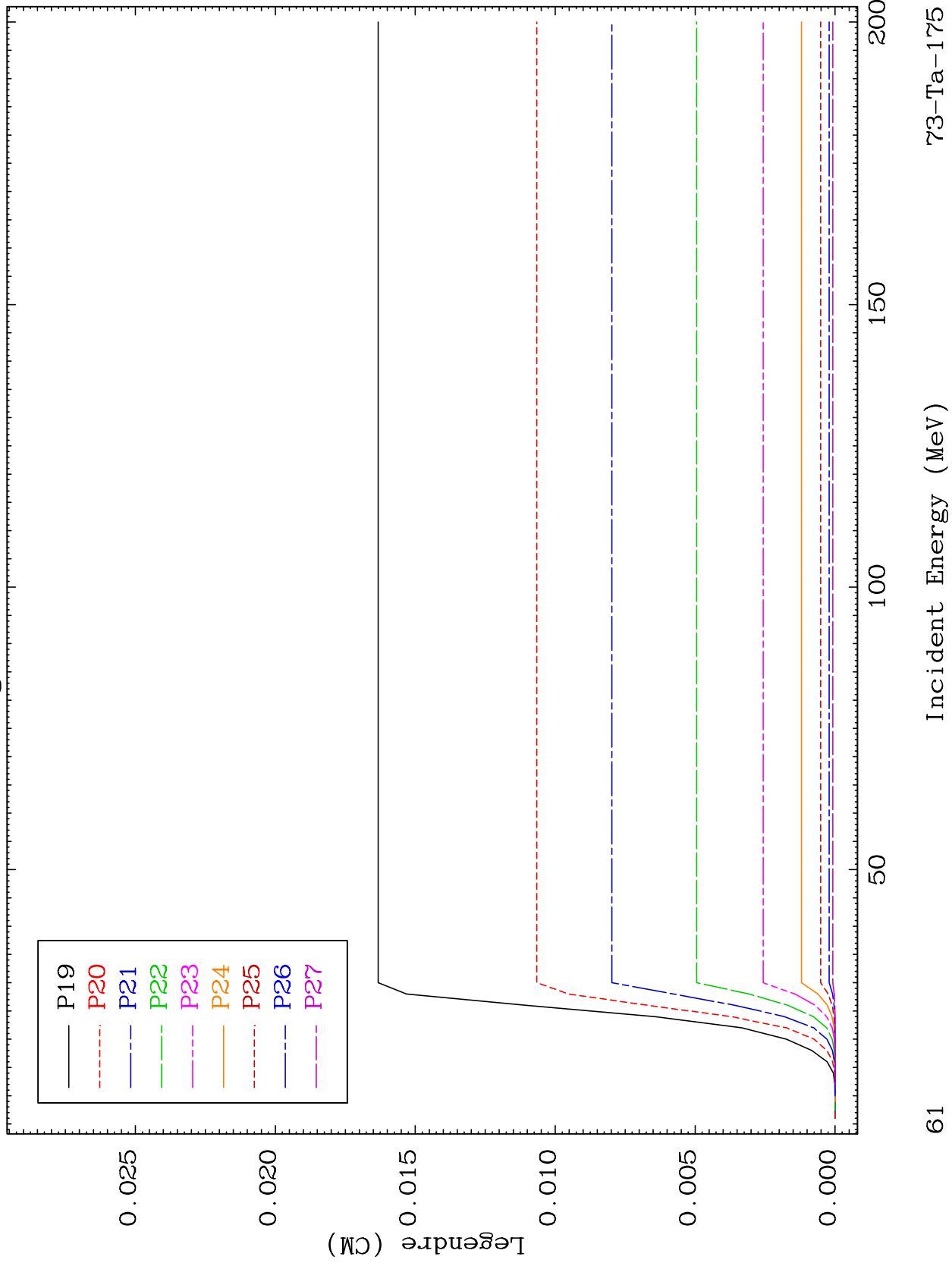




MAT 7310

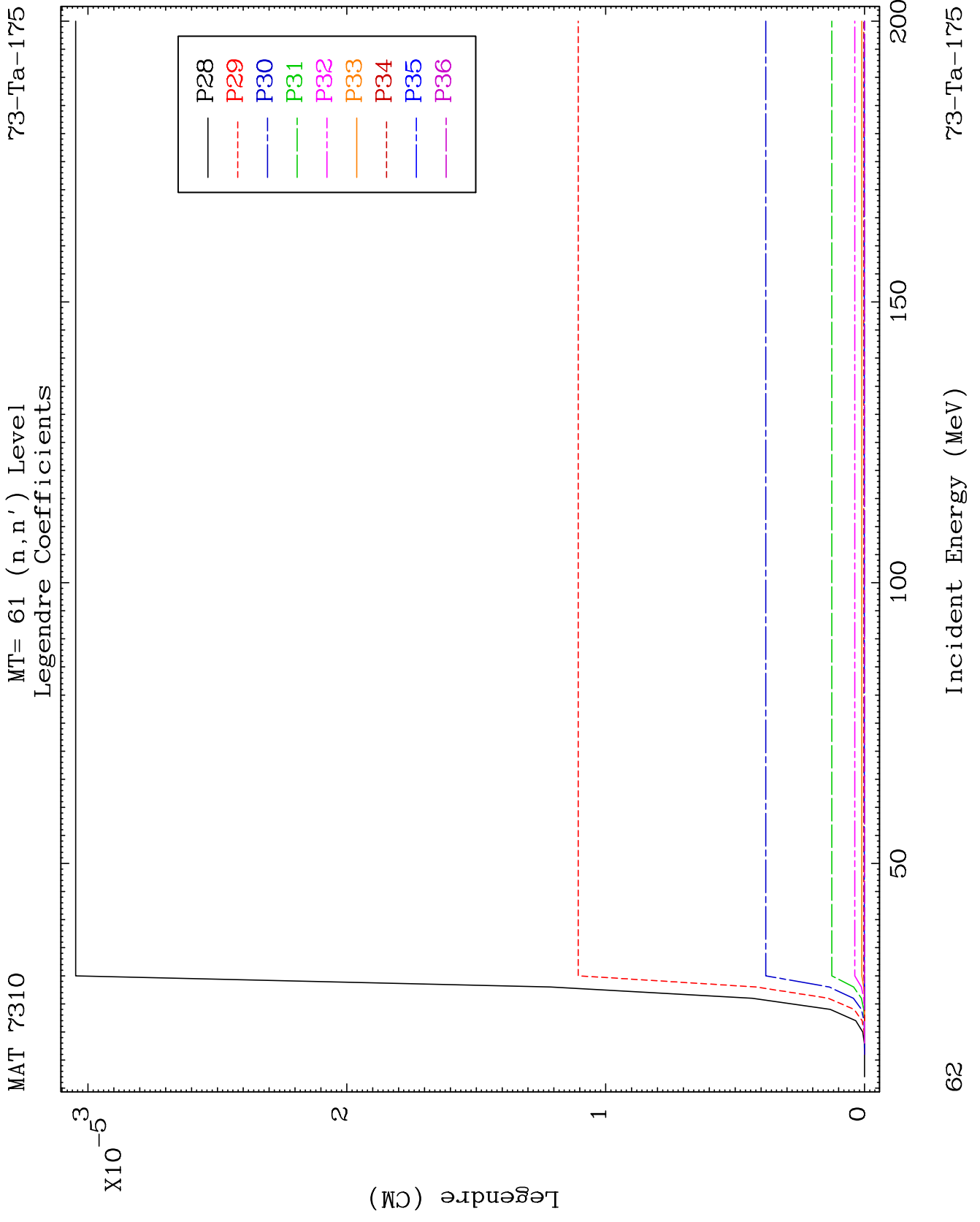
MT= 61 (n,n') Level
Legendre Coefficients

73-Ta-175



61

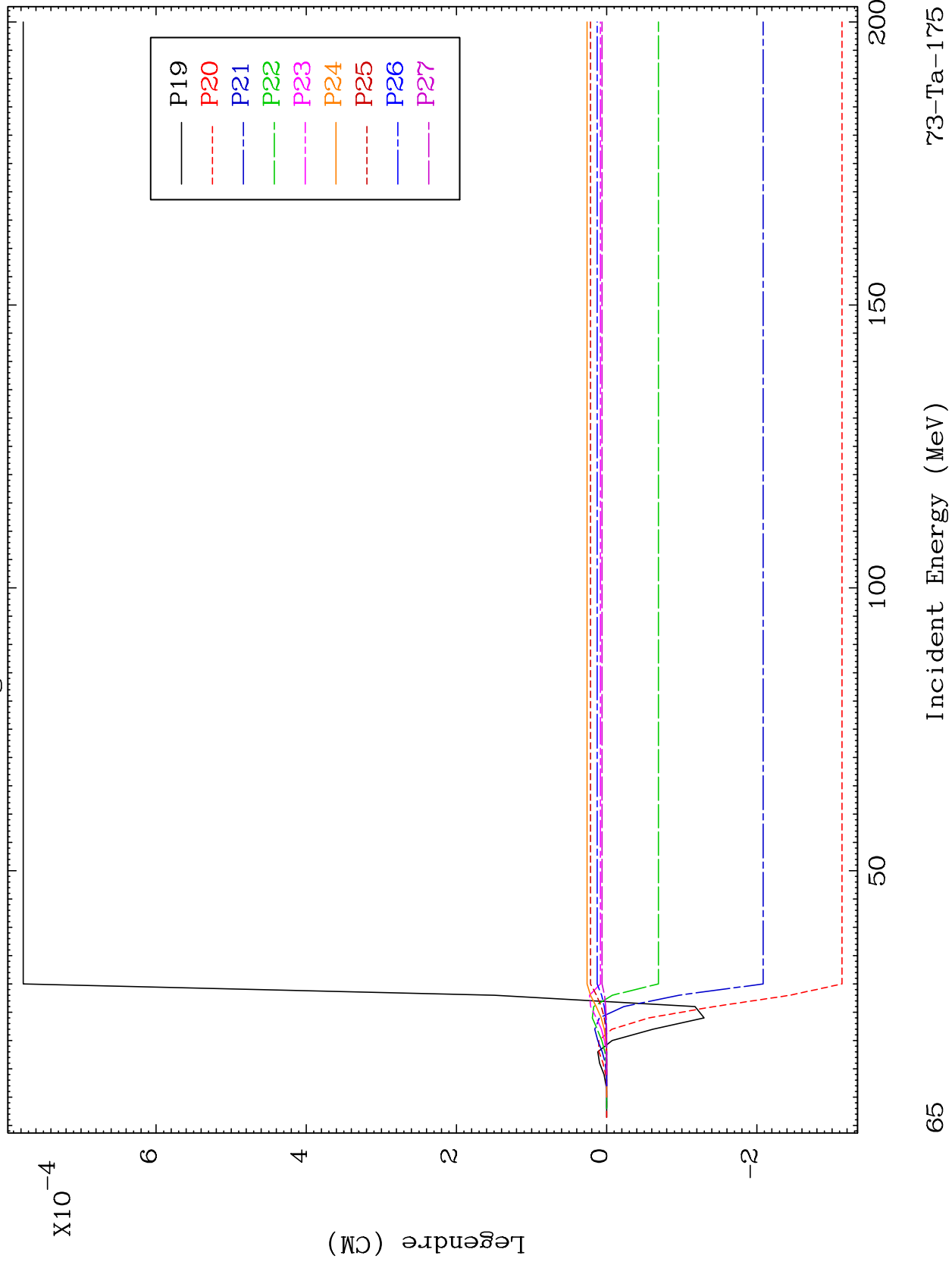
73-Ta-175



MAT 7310

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

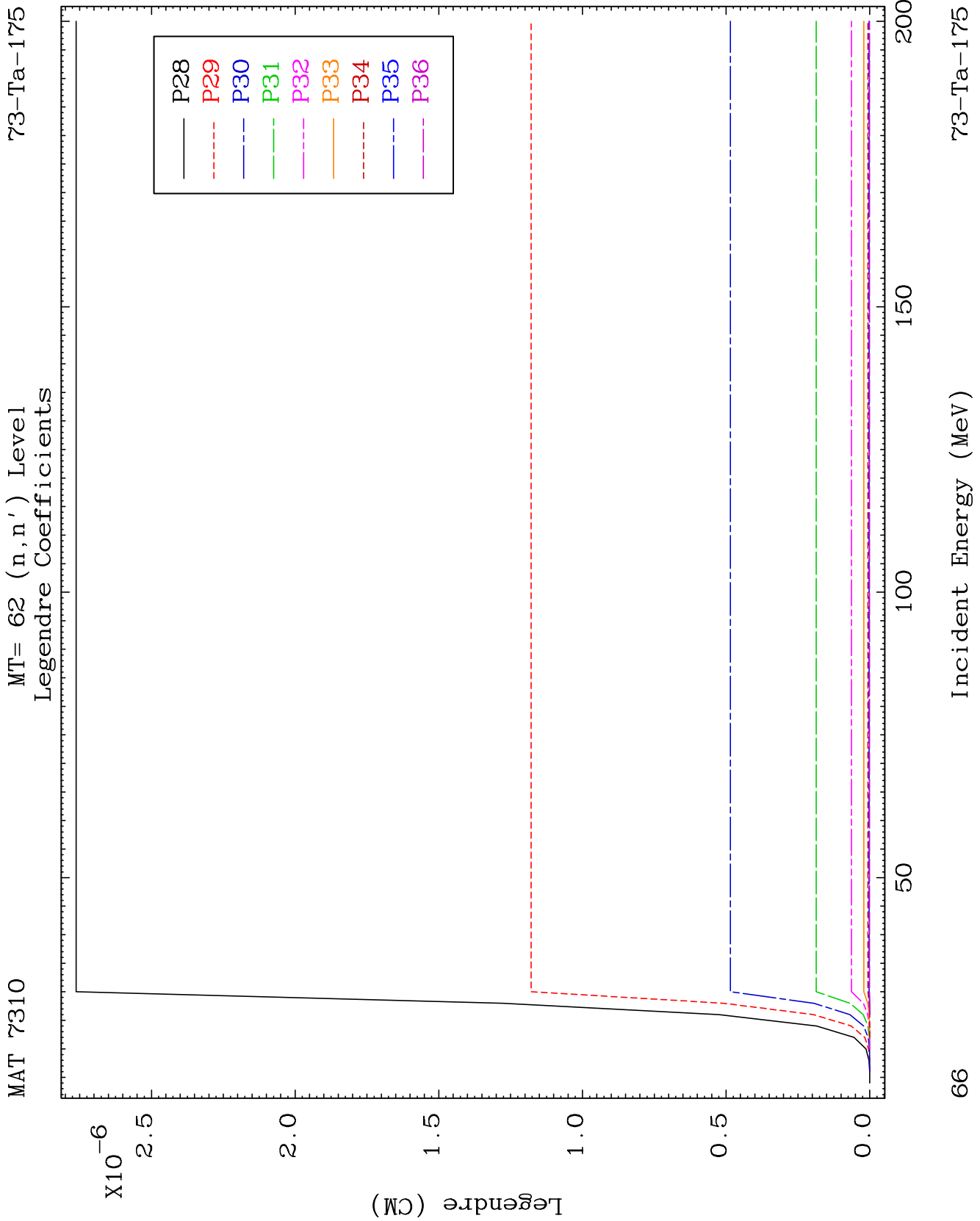
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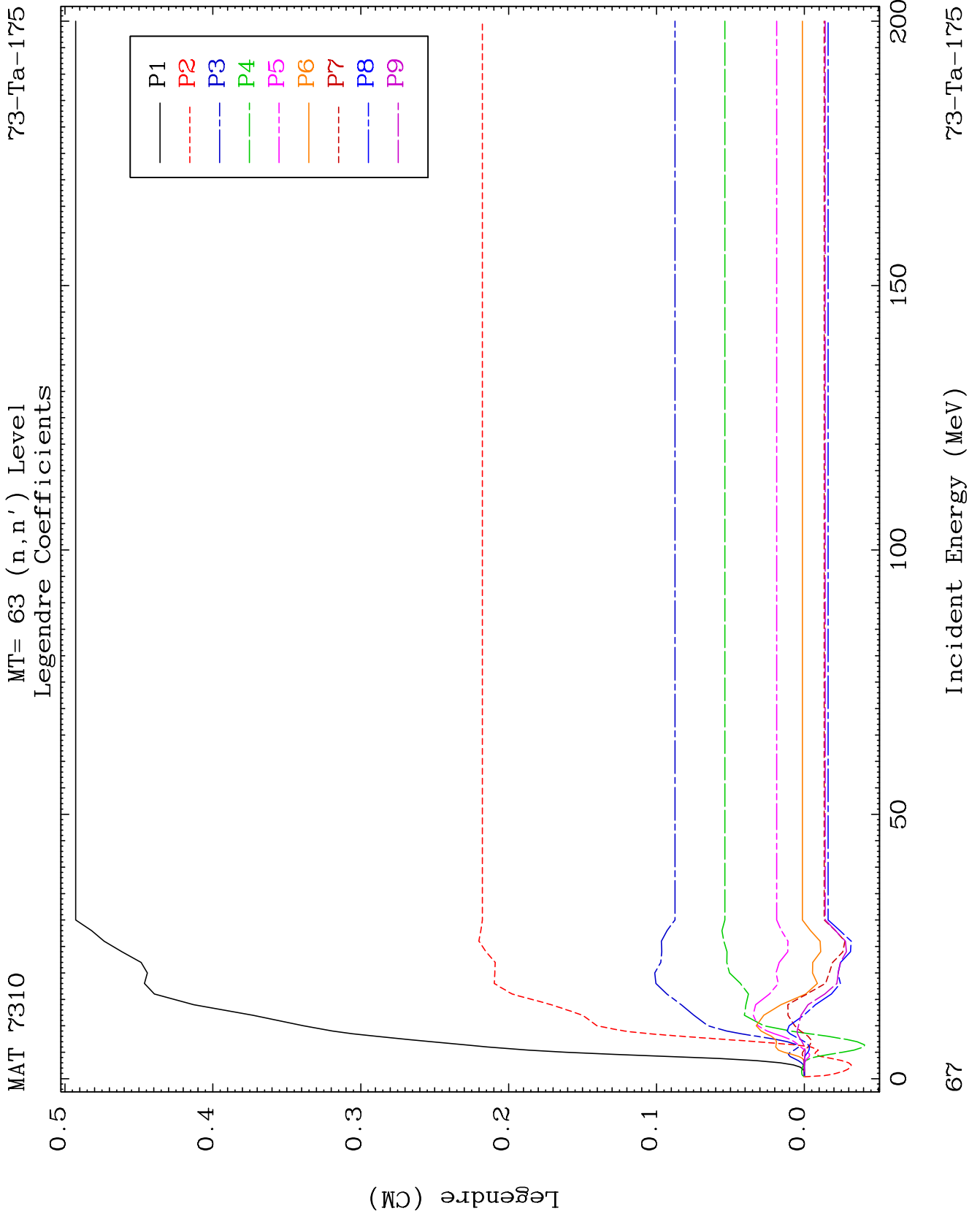


65

Incident Energy (MeV)

73-Ta-175

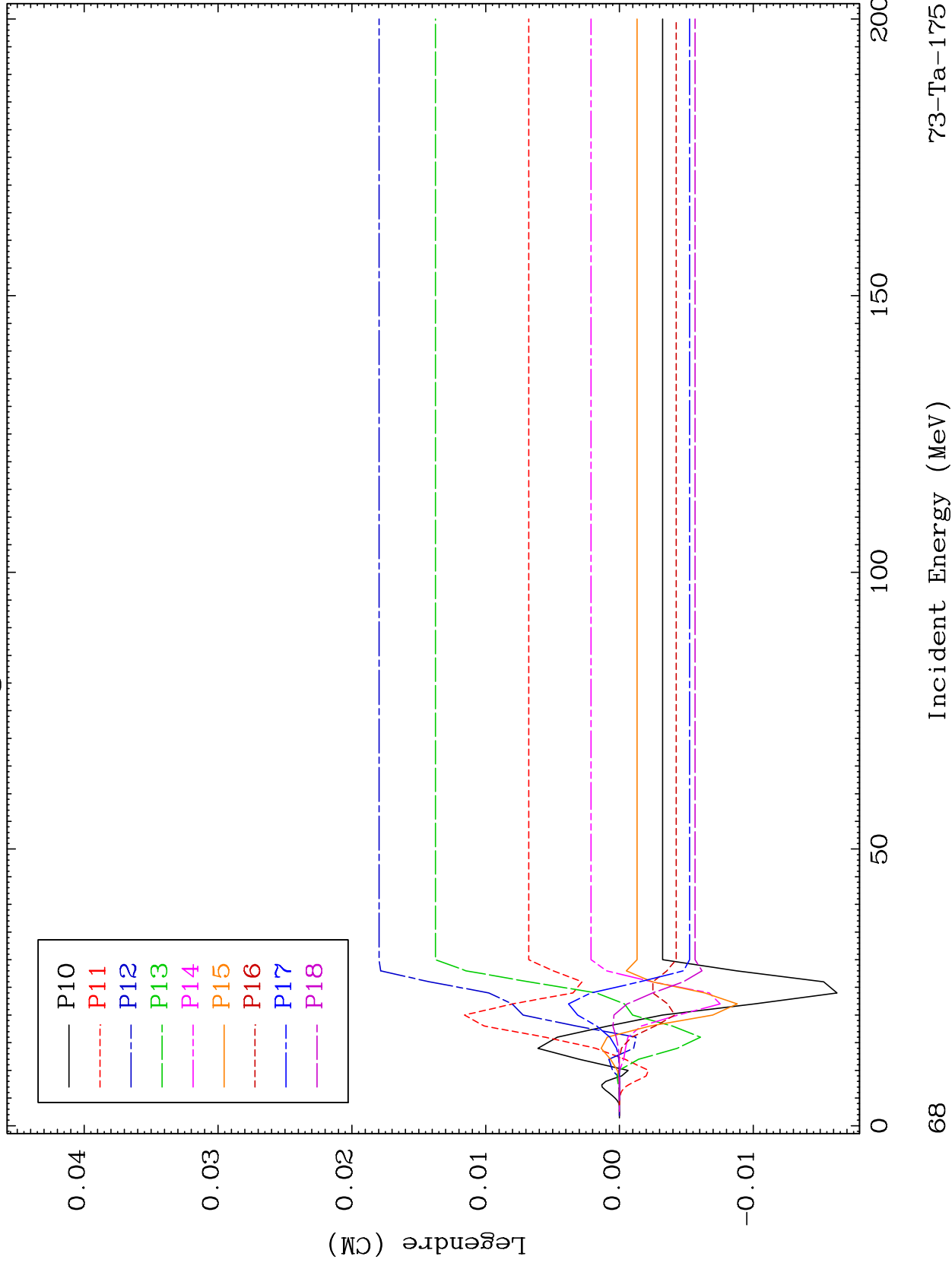




MAT 7310

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

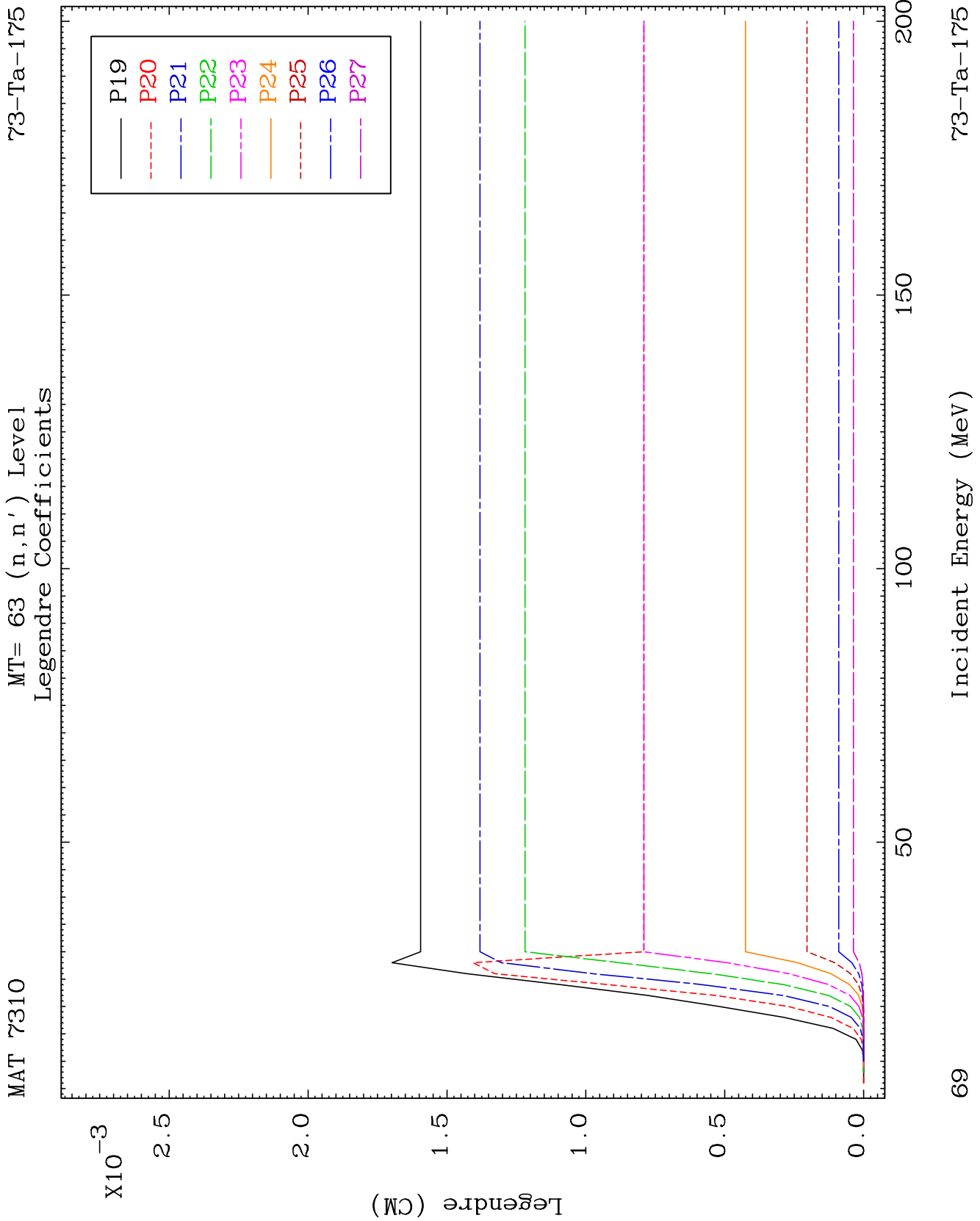
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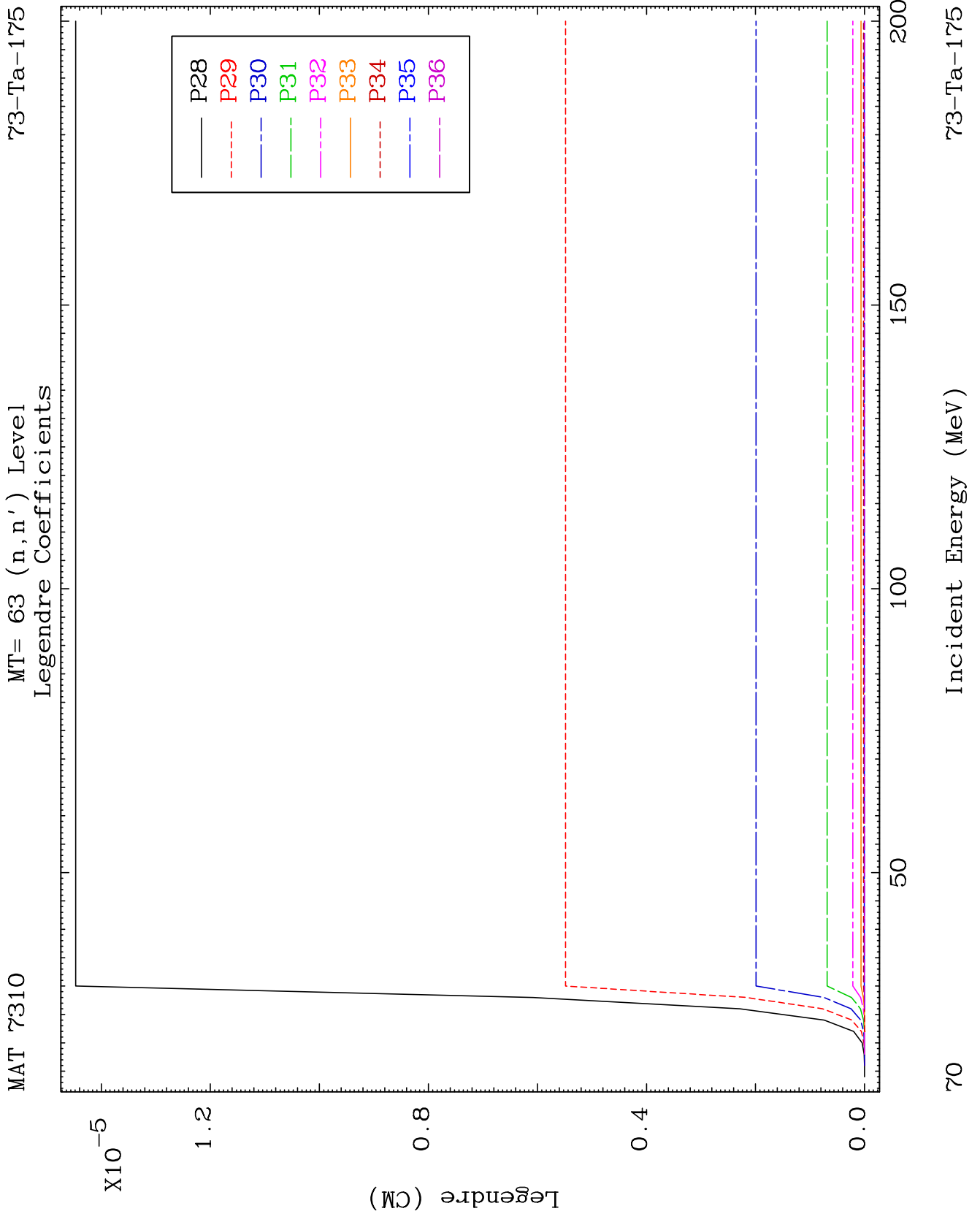


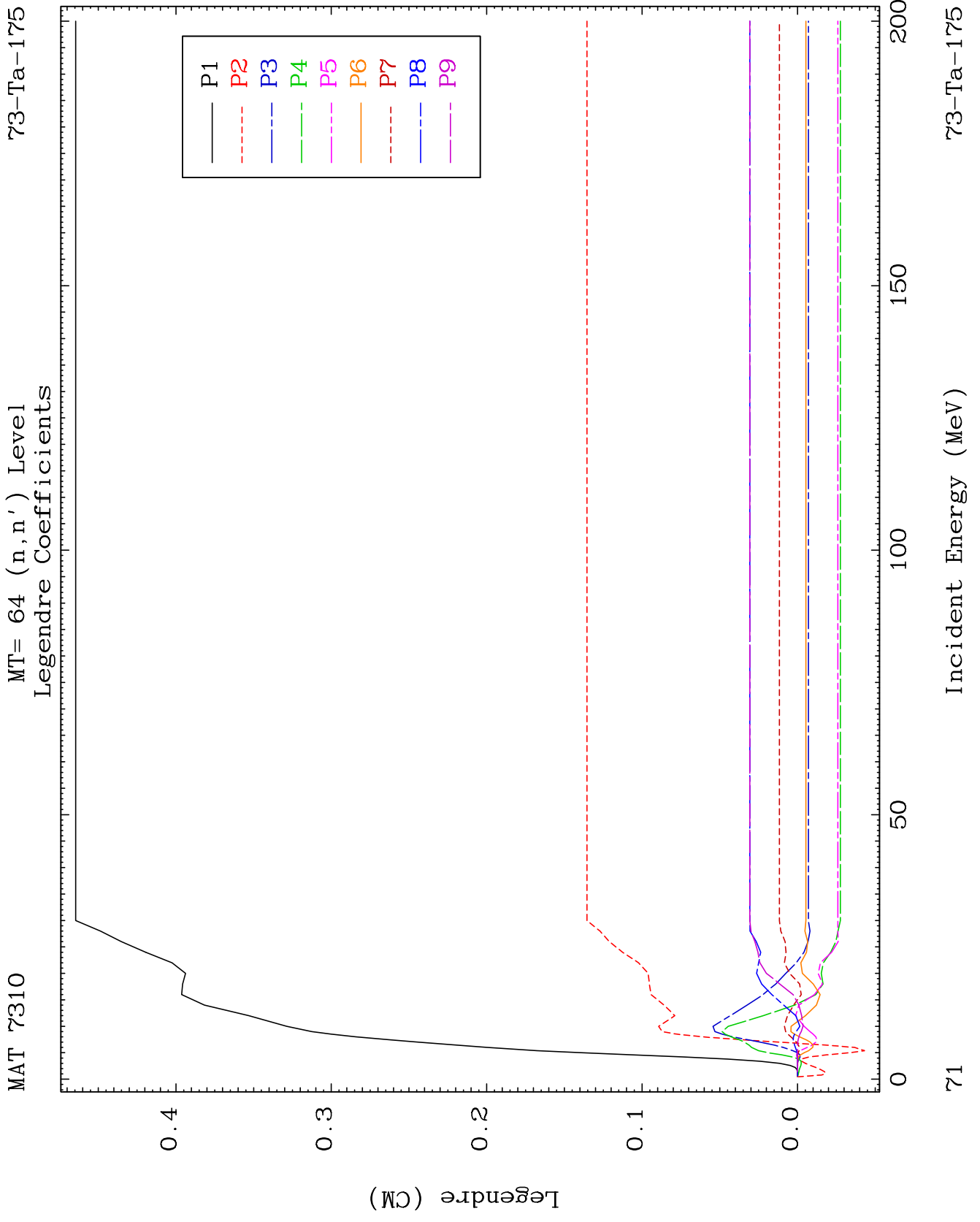
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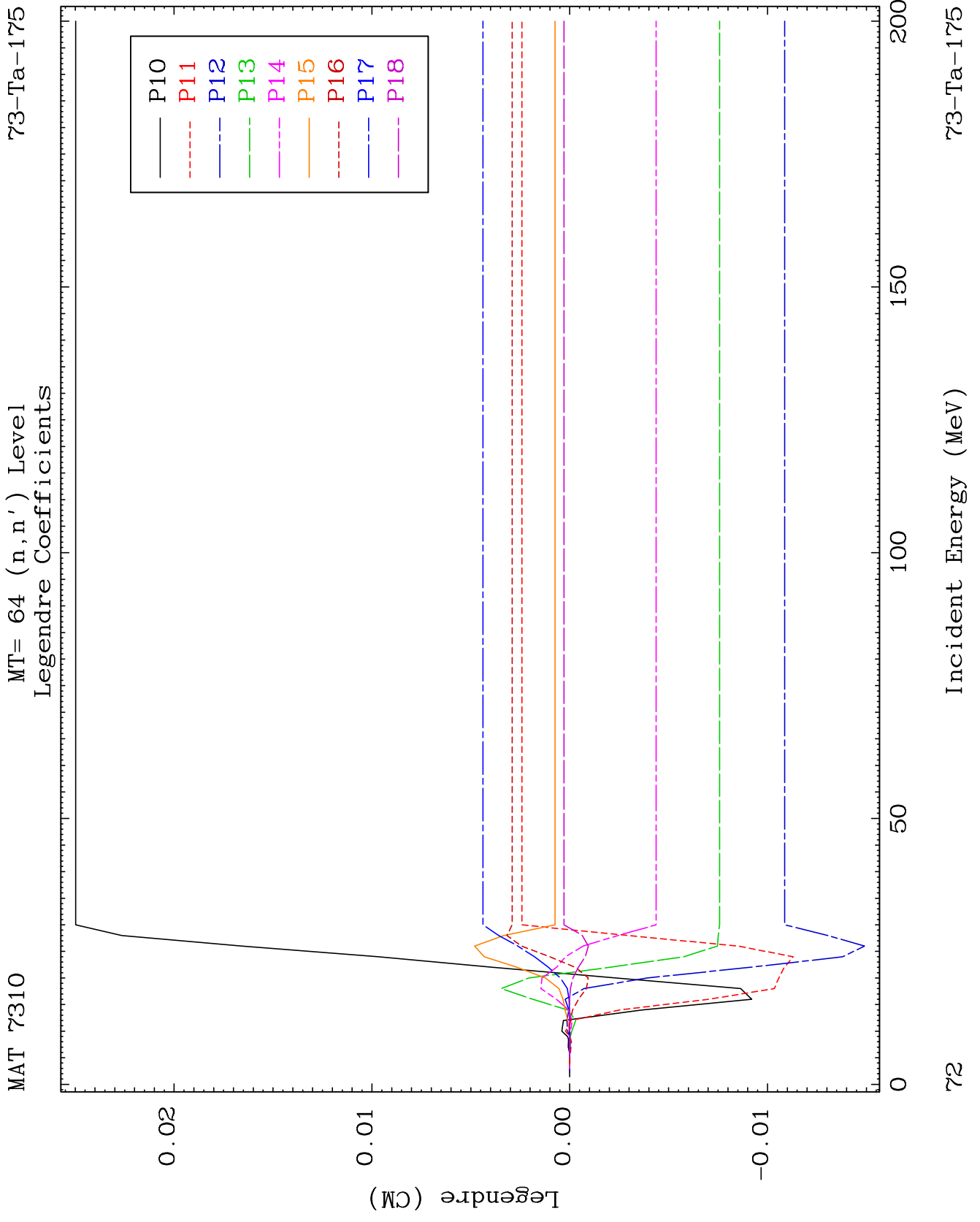
Incident Energy (MeV)

68





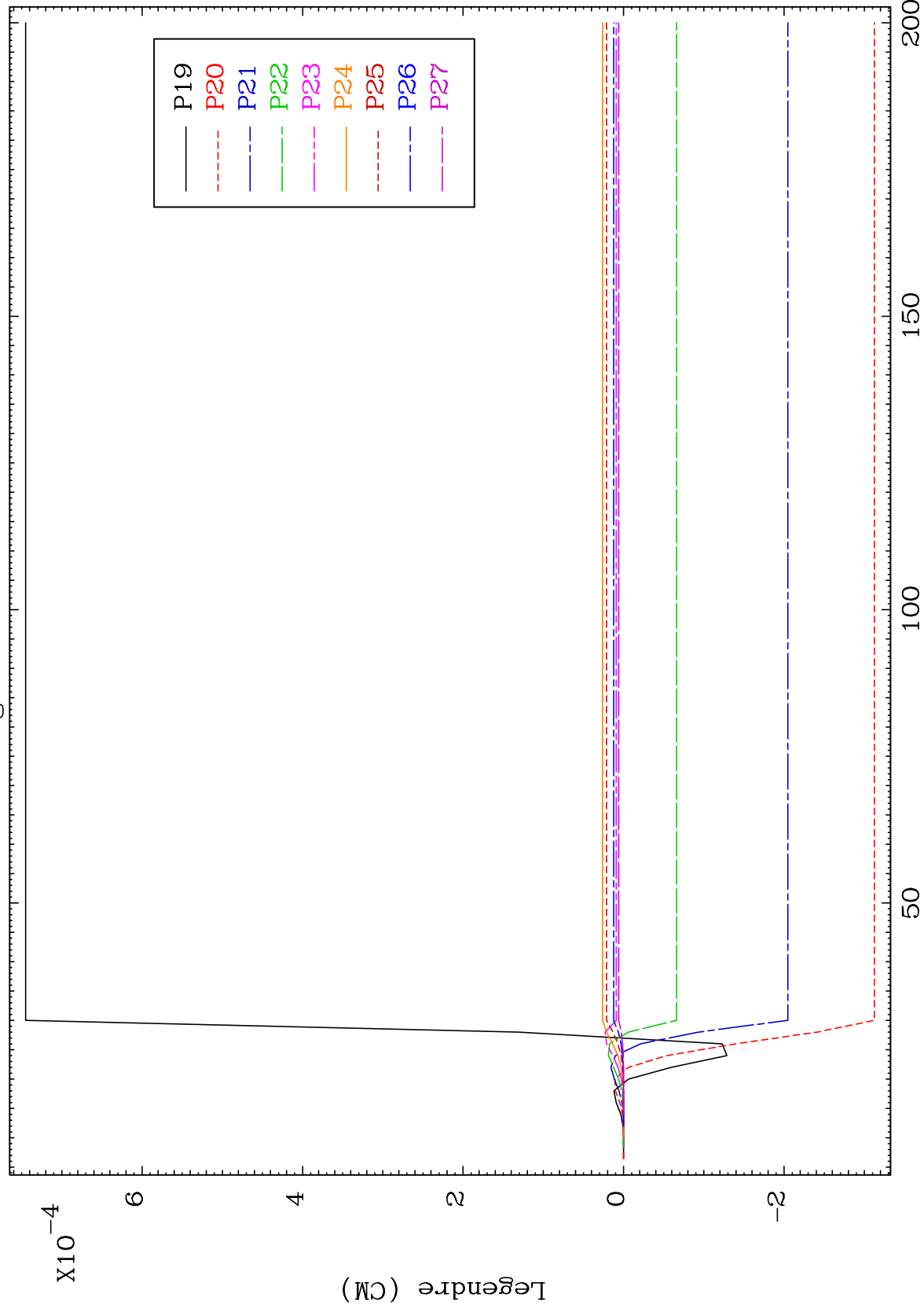




MAT 7310

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

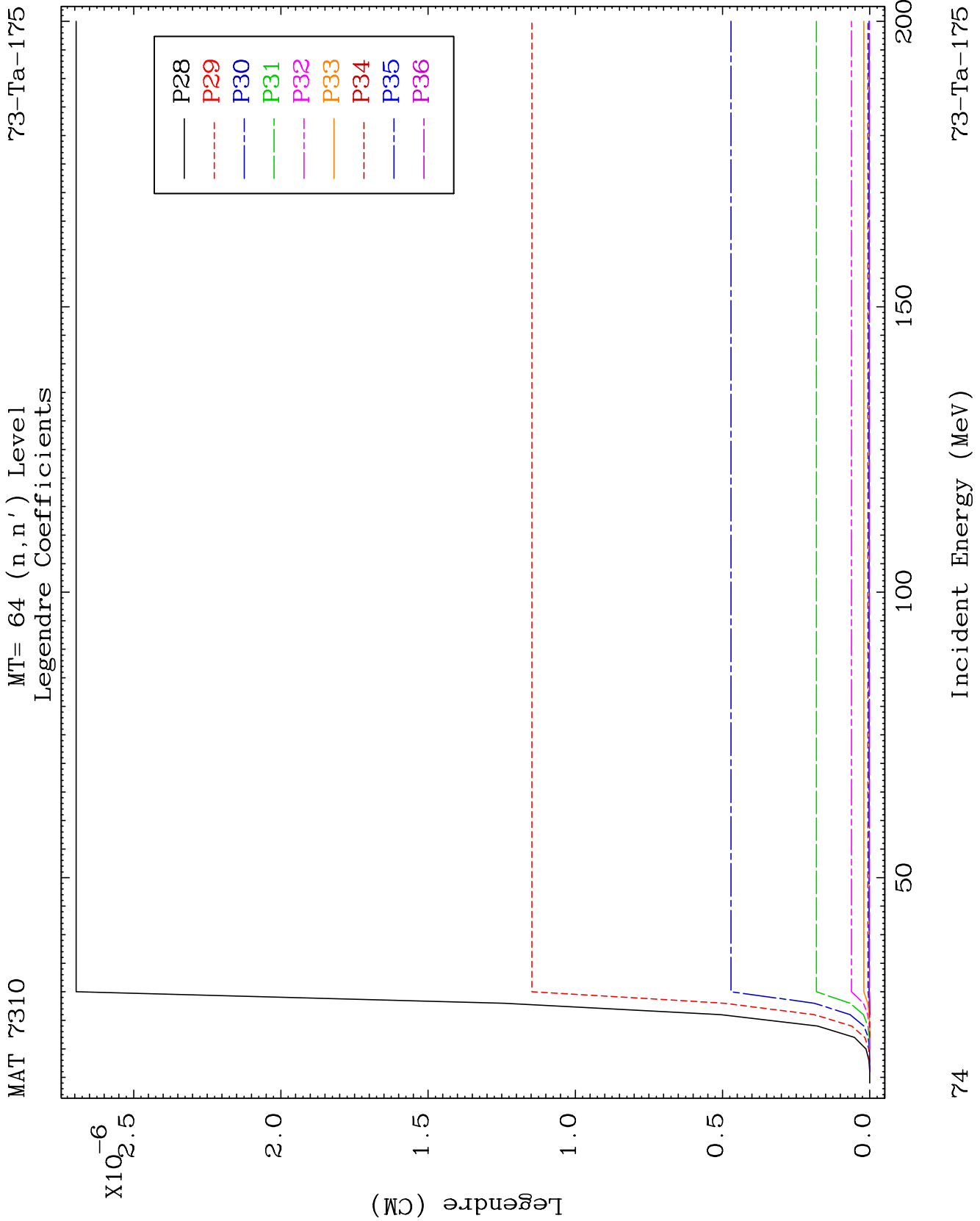
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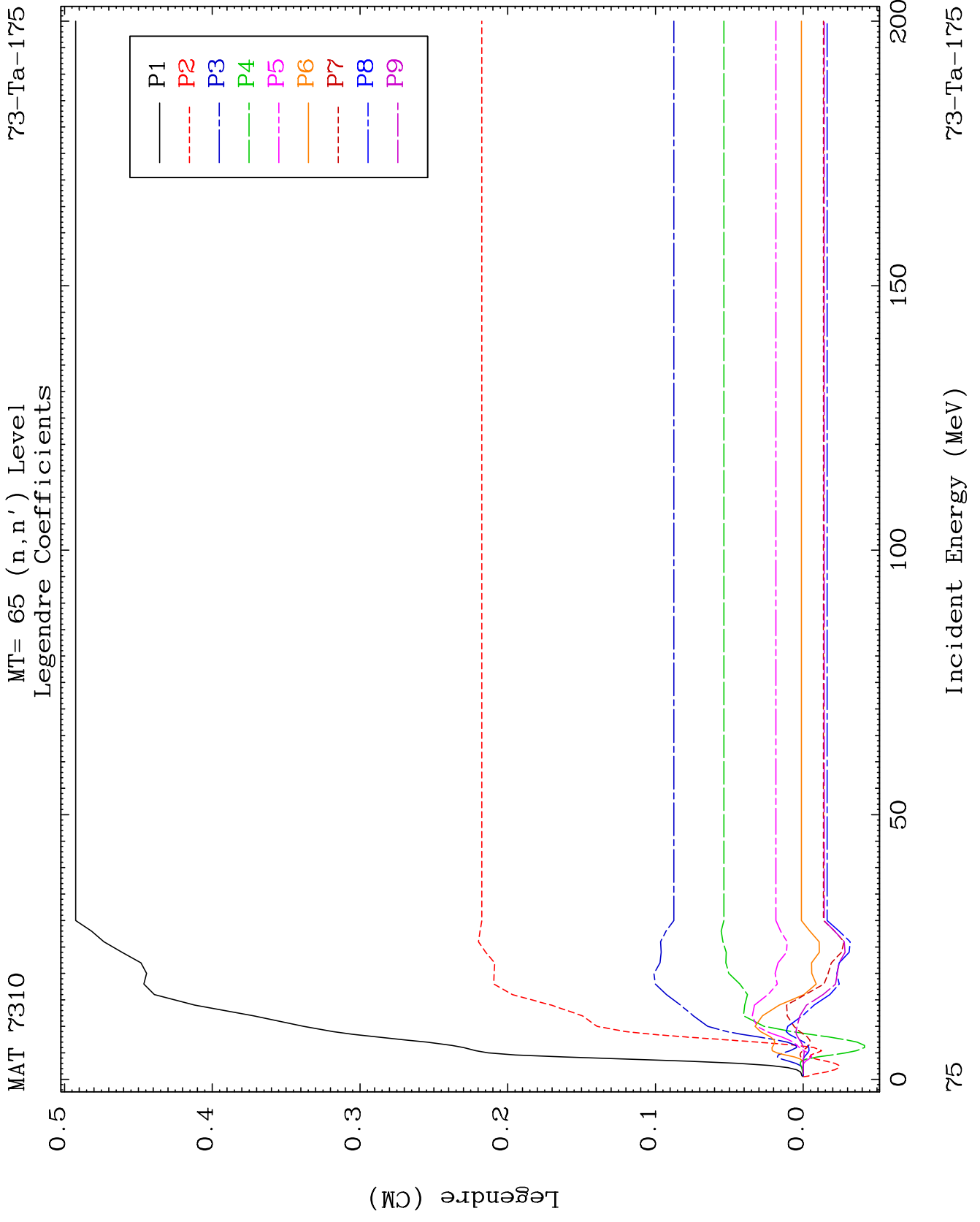


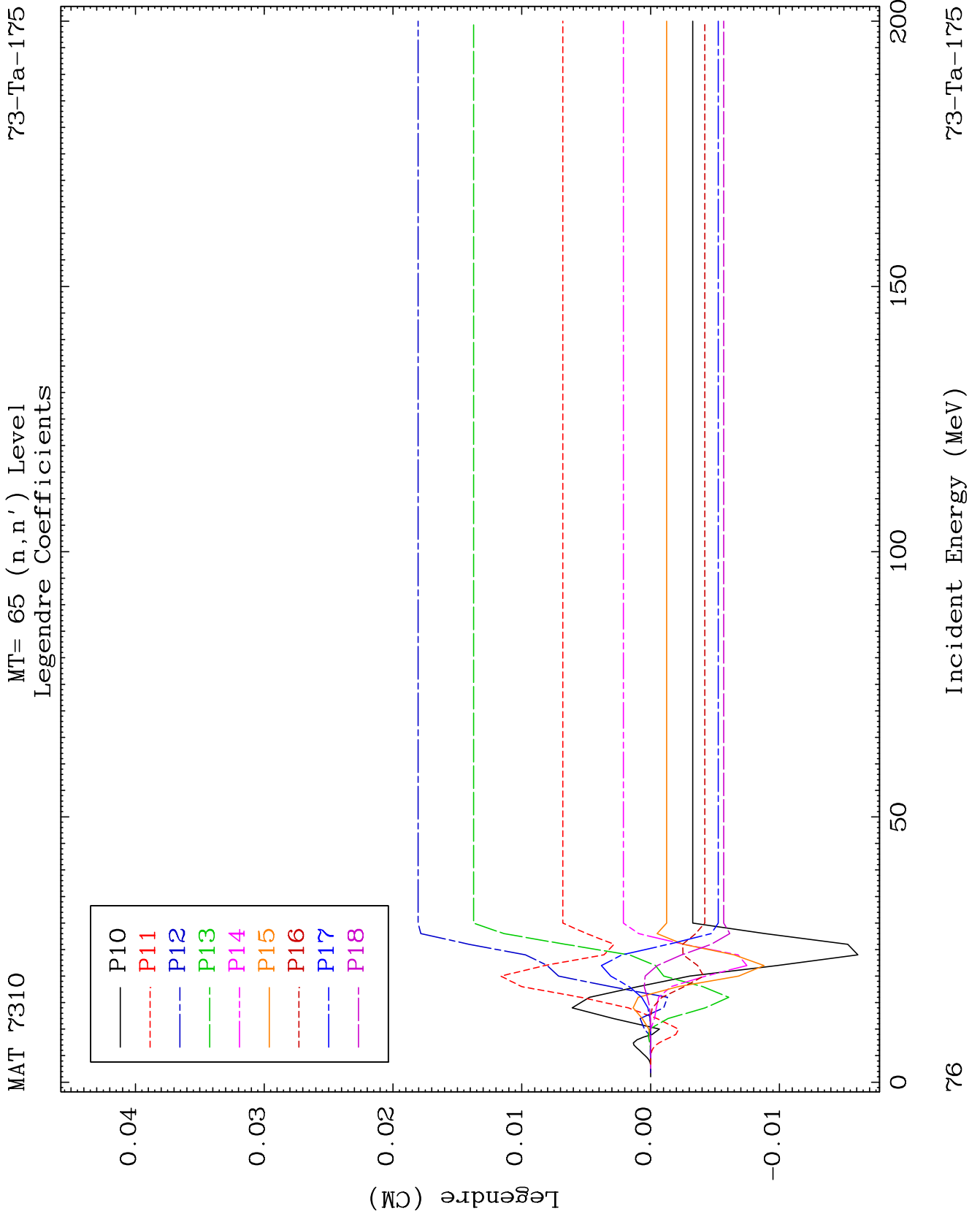
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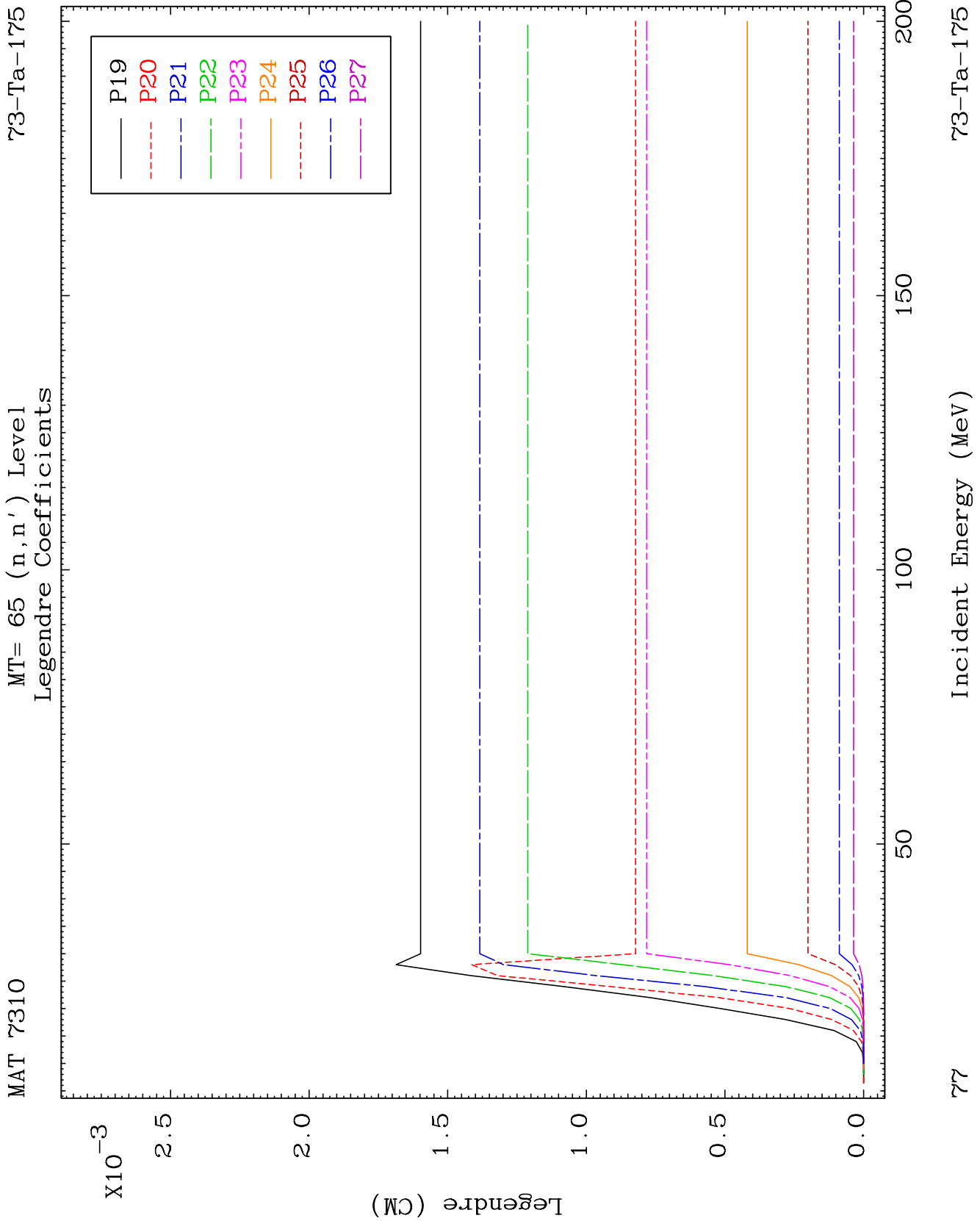
Incident Energy (MeV)

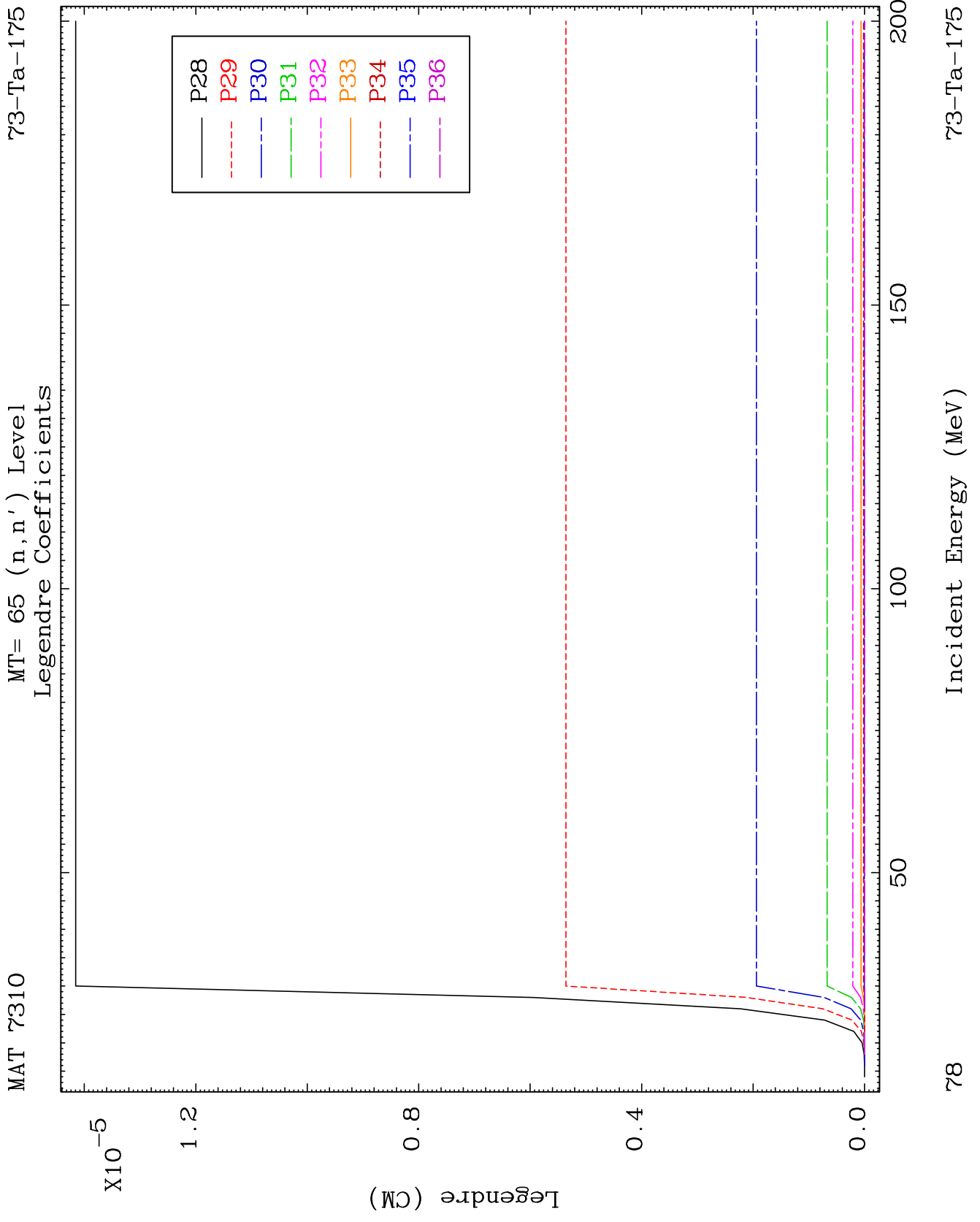
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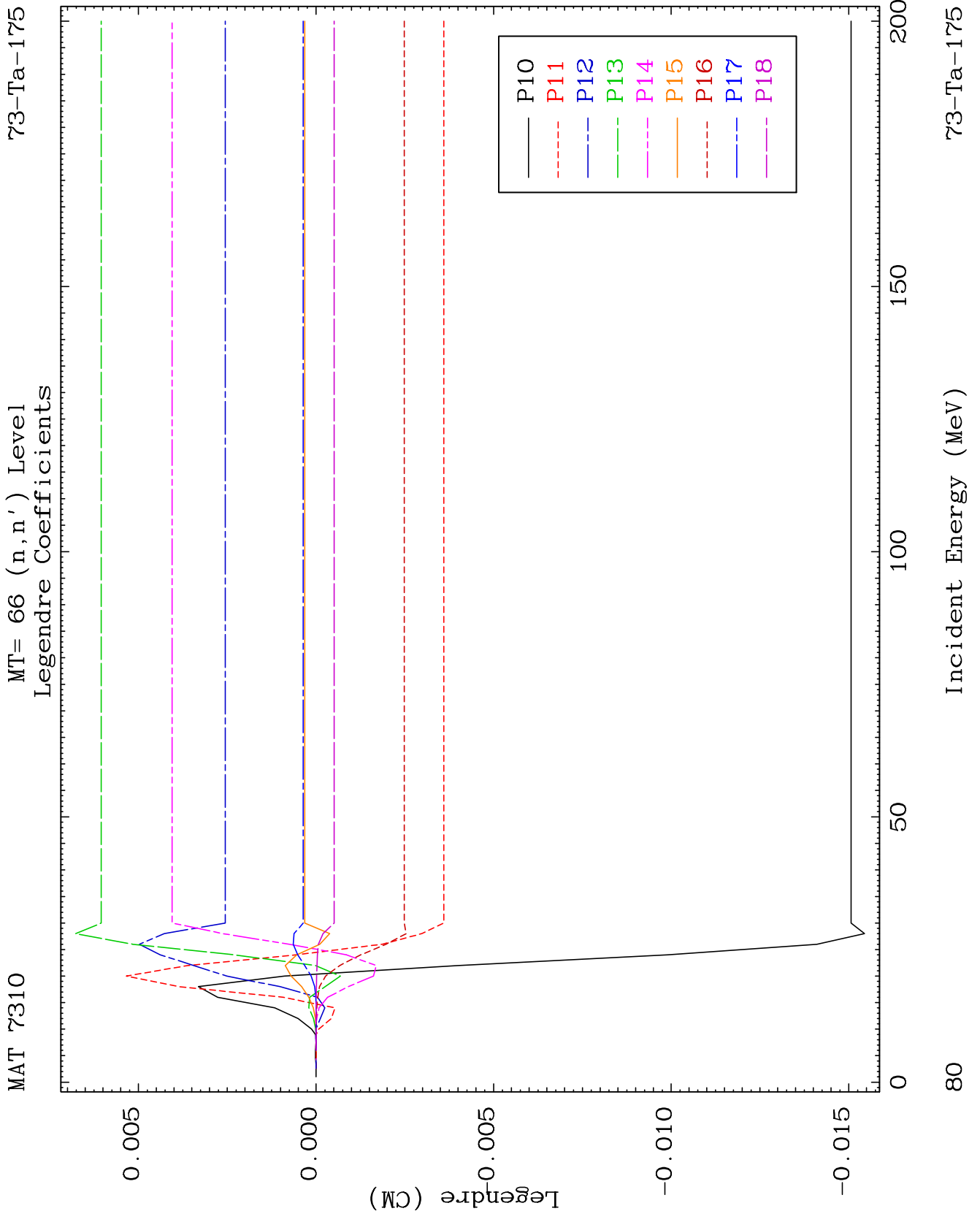


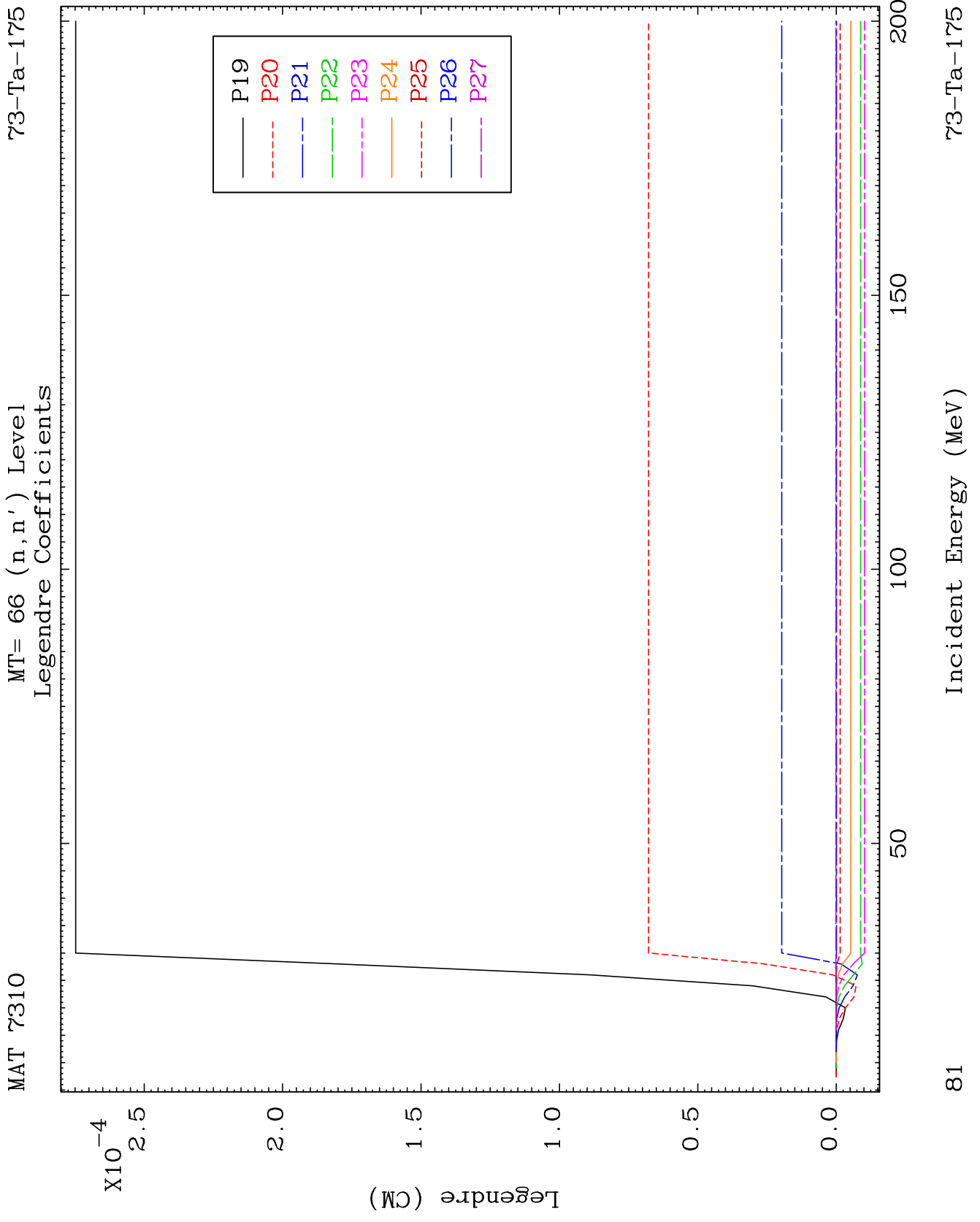








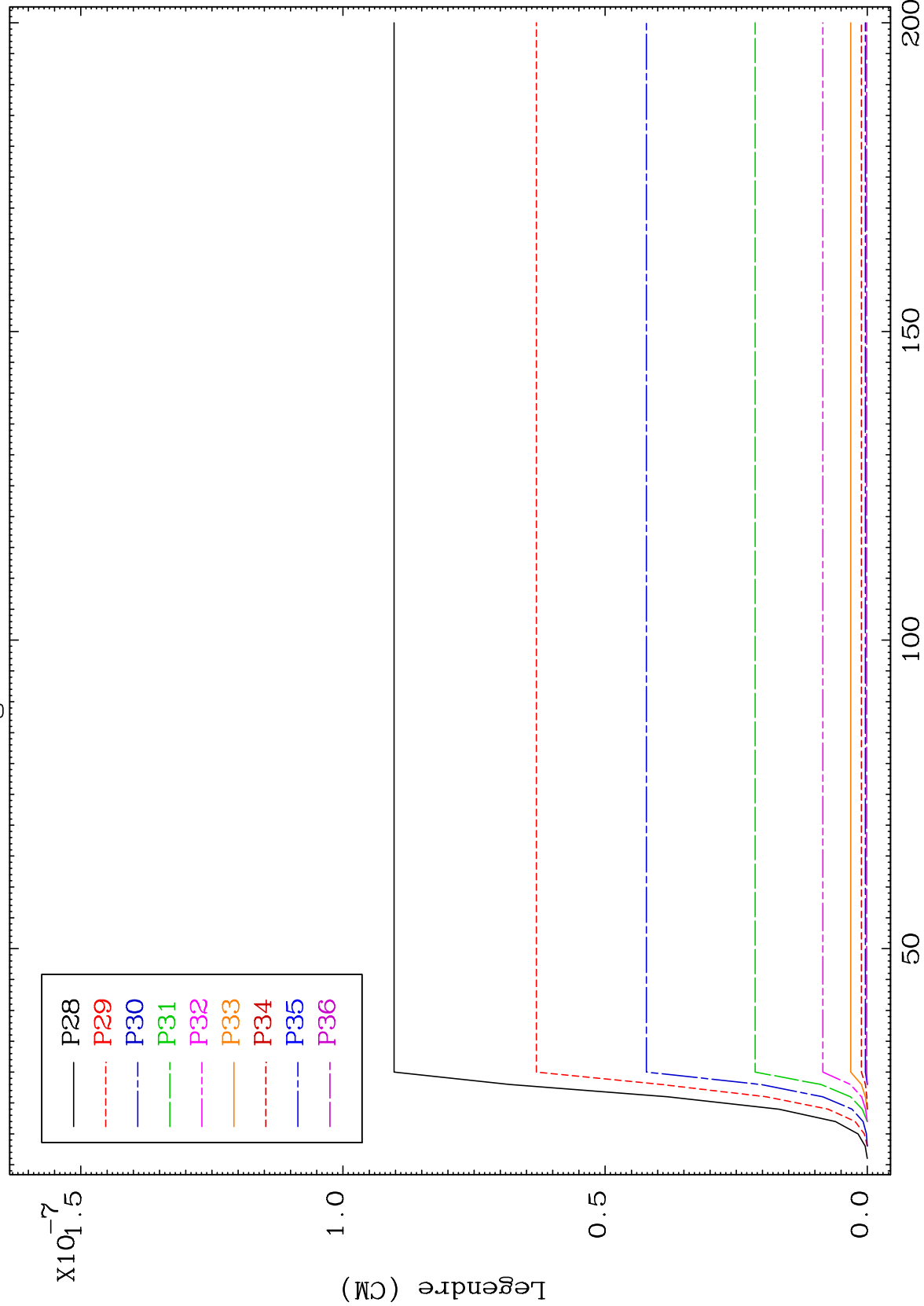
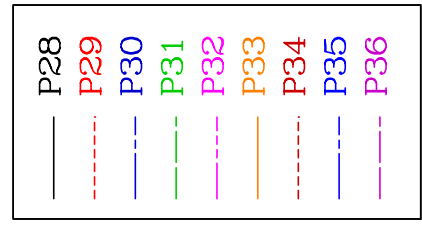




MAT 7310

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

73-Ta-175



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Incident Energy (MeV)

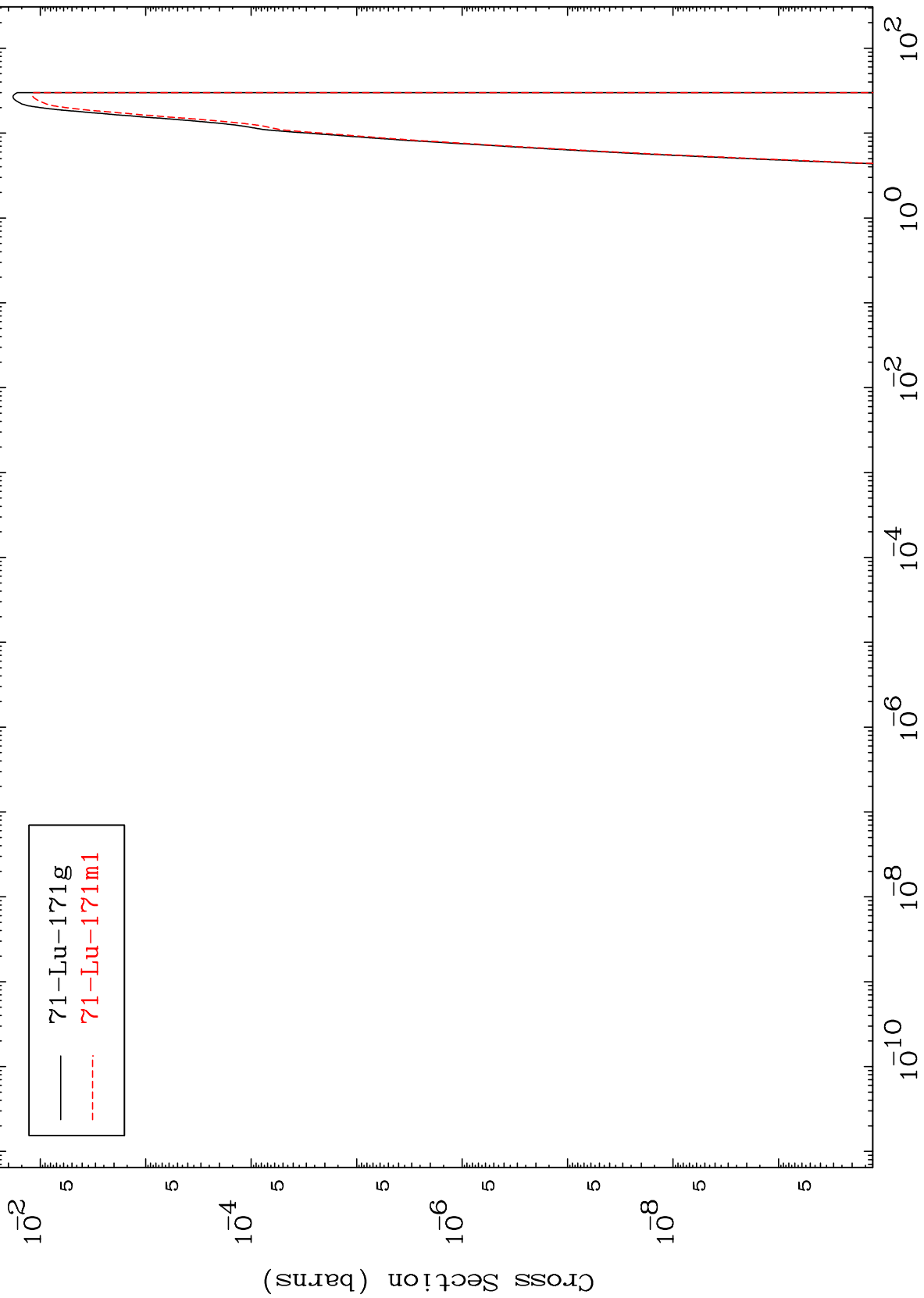
73-Ta-175

MAT 7310

$(n, n') \alpha$

$^{73}\text{Ta-175}$

Radionuclide Production Cross Section

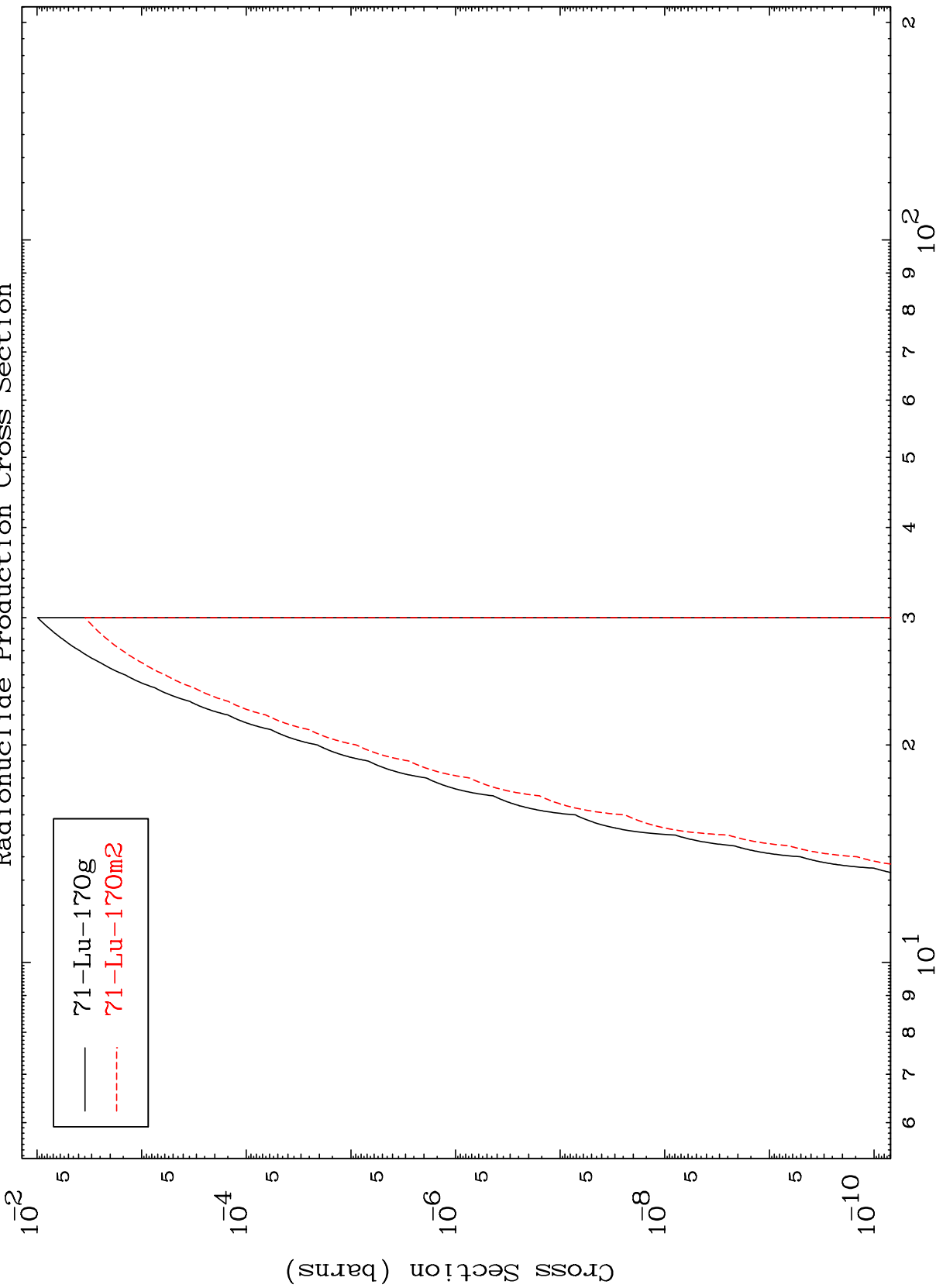


MAT 7310

$(n,2n) \alpha$

$^{73}\text{Ta-175}$

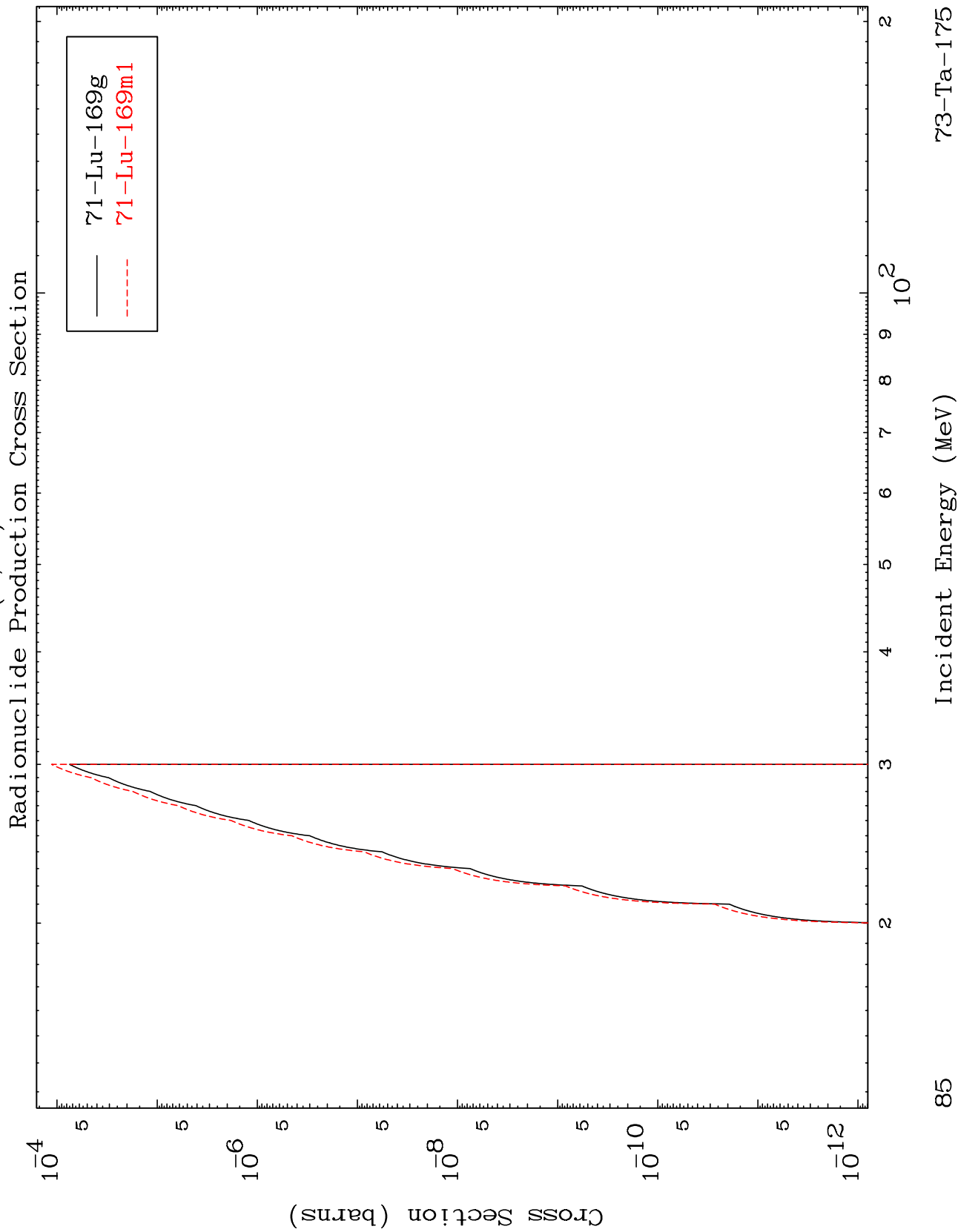
Radionuclide Production Cross Section



MAT 7310

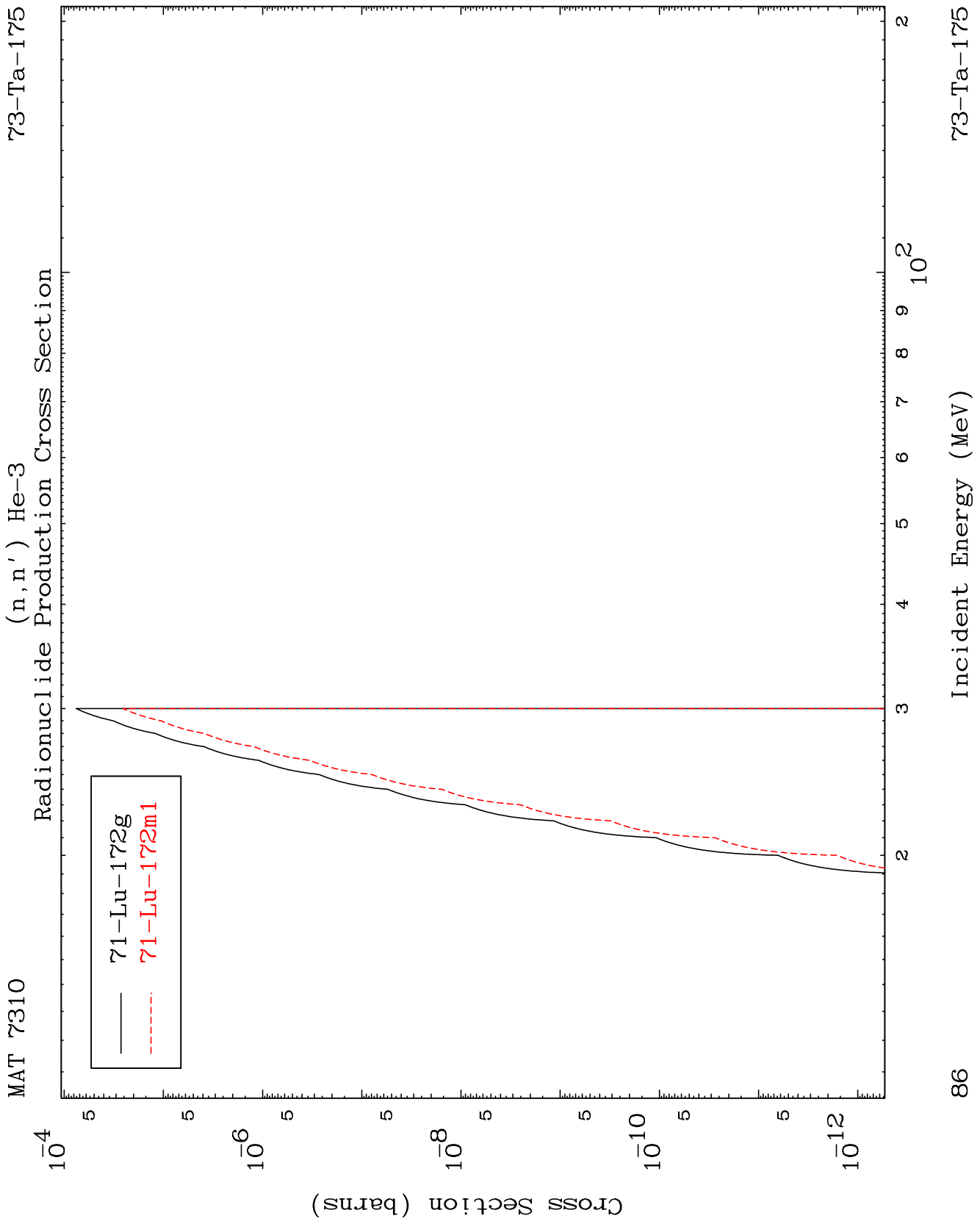
$(n,3n) \alpha$

$^{73}\text{Ta-175}$



85

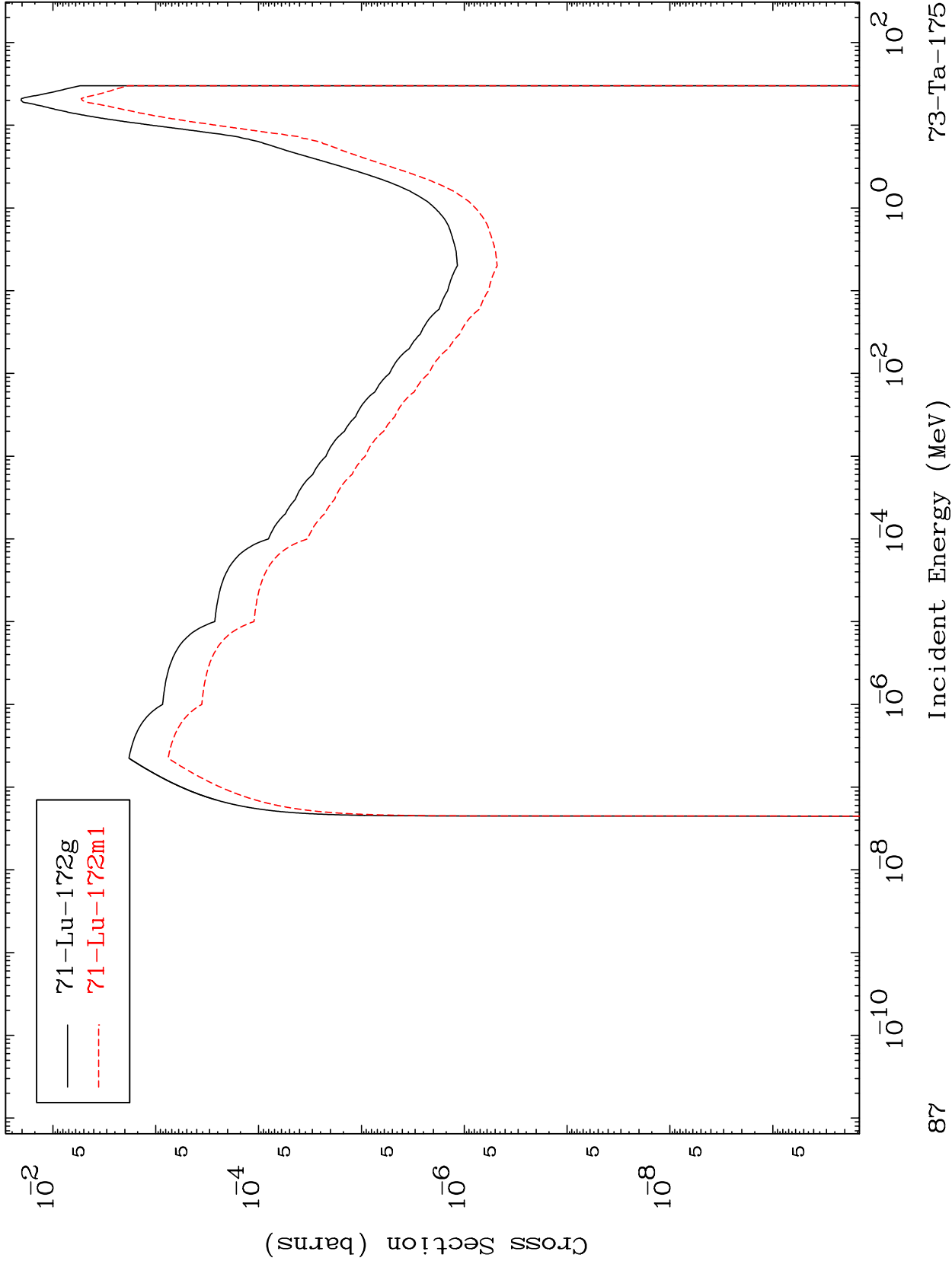
$^{73}\text{Ta-175}$



MAT 7310

73-Ta-175

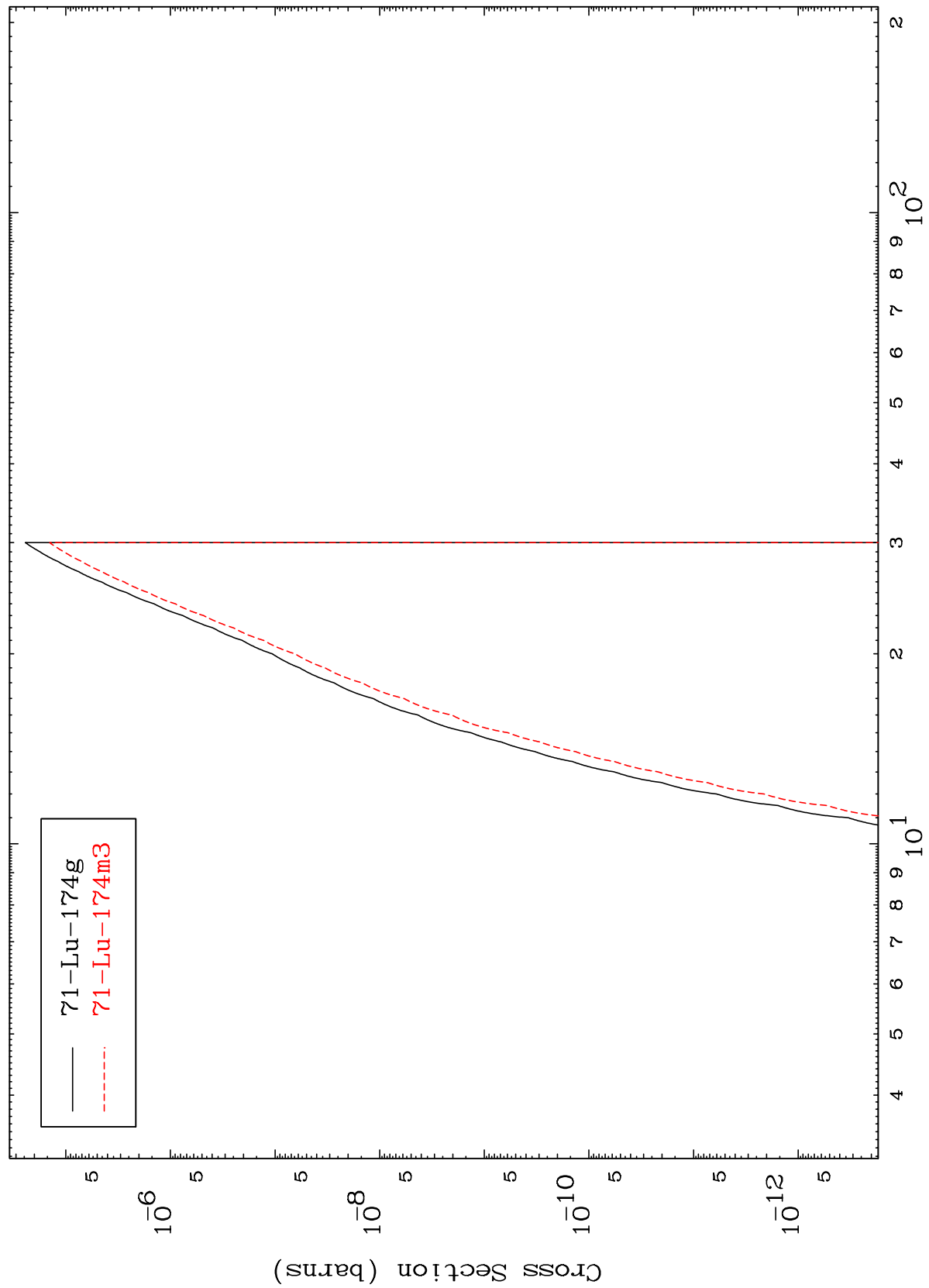
Radionuclide Production Cross Section
(n, α)



MAT 7310

73-Ta-175

(n,2p)
Radionuclide Production Cross Section



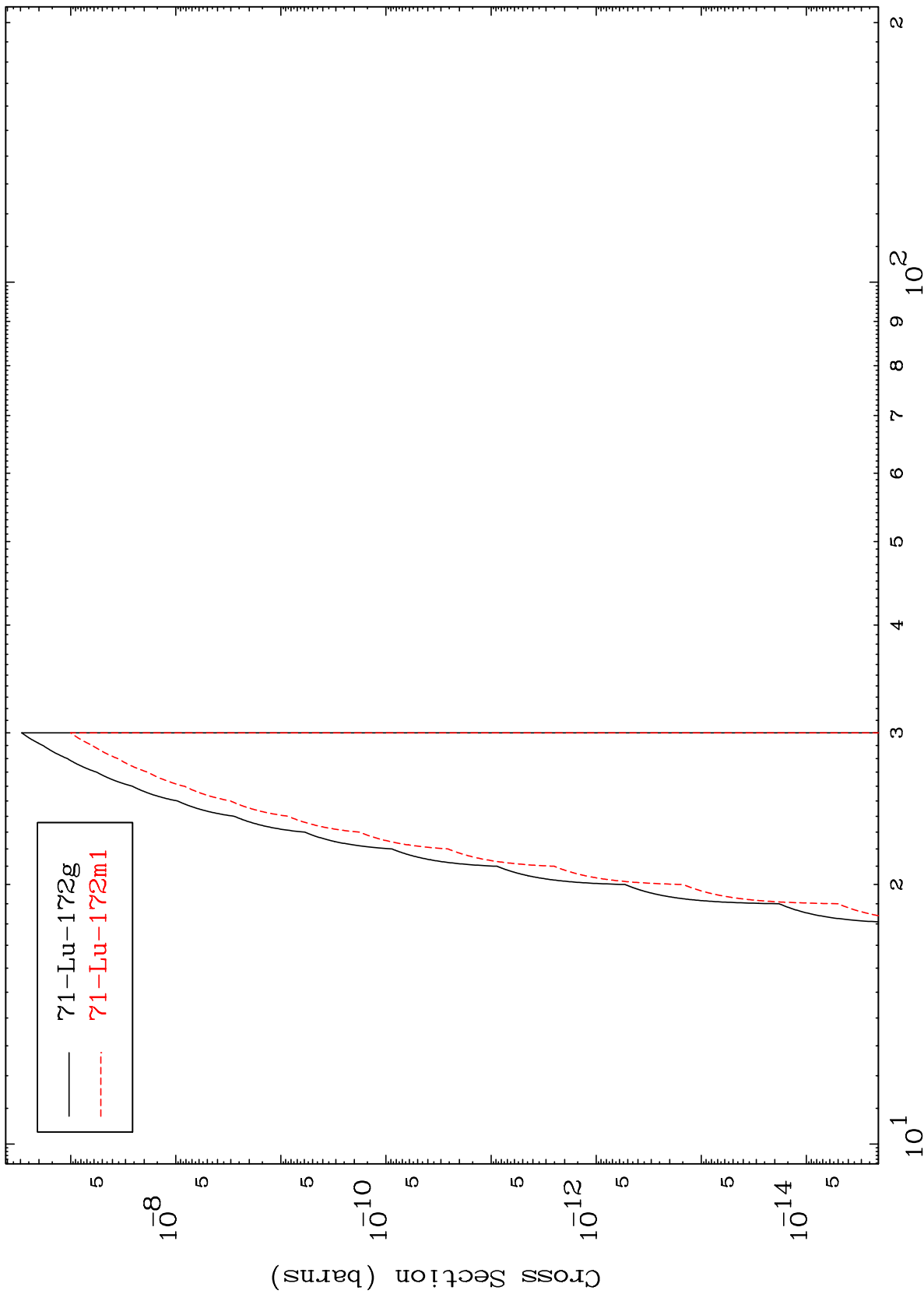
71-Lu-174g
71-Lu-174m3

MAT 7310

(n,p) t

73-Ta-175

Radionuclide Production Cross Section



89

Incident Energy (MeV)

73-Ta-175