

Program EVALPLOT
(Version 2021-1)

by

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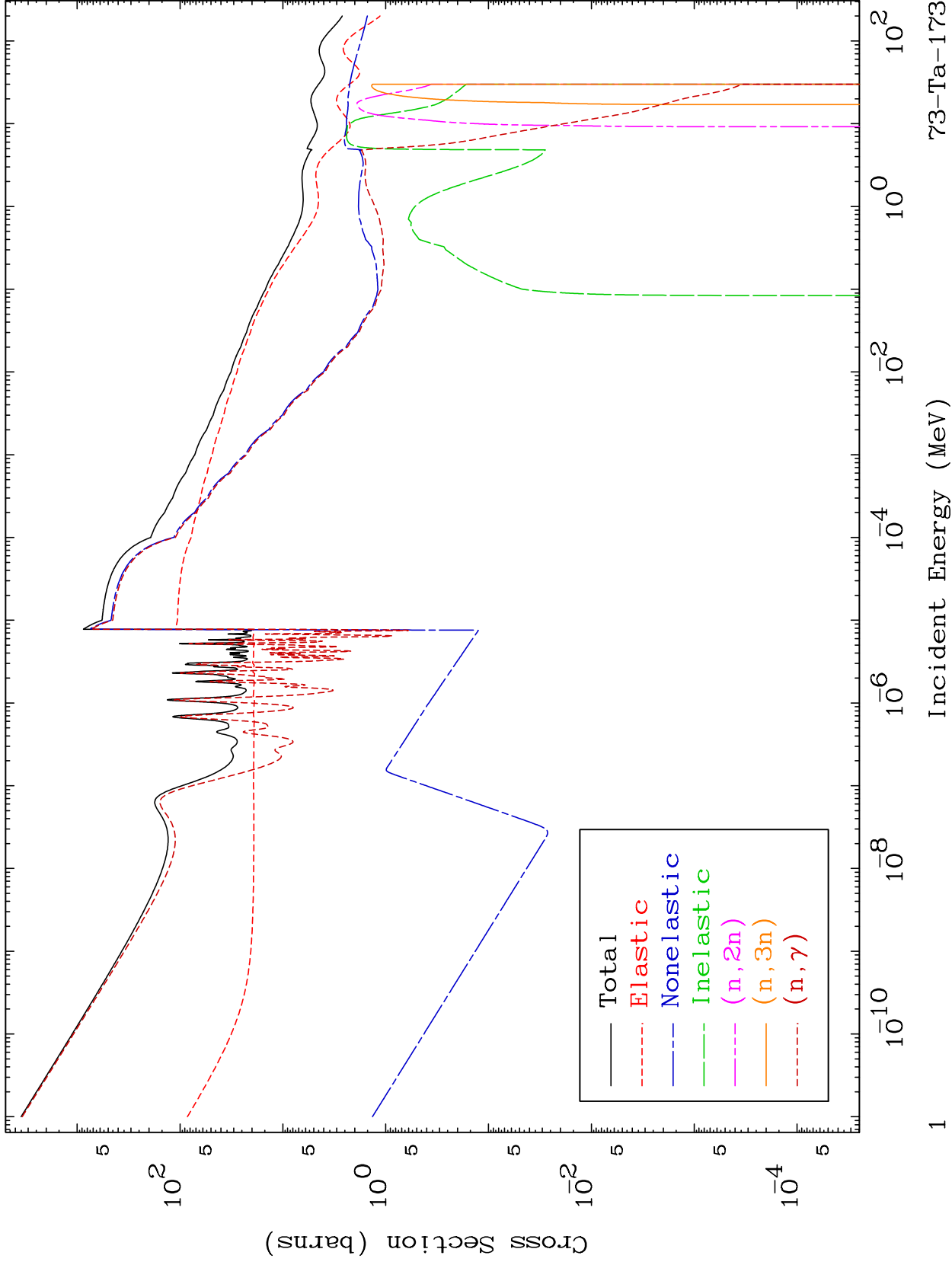
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Press Mouse Button to Start

MAT 7304

Neutron Major
293 Kelvin Cross Sections

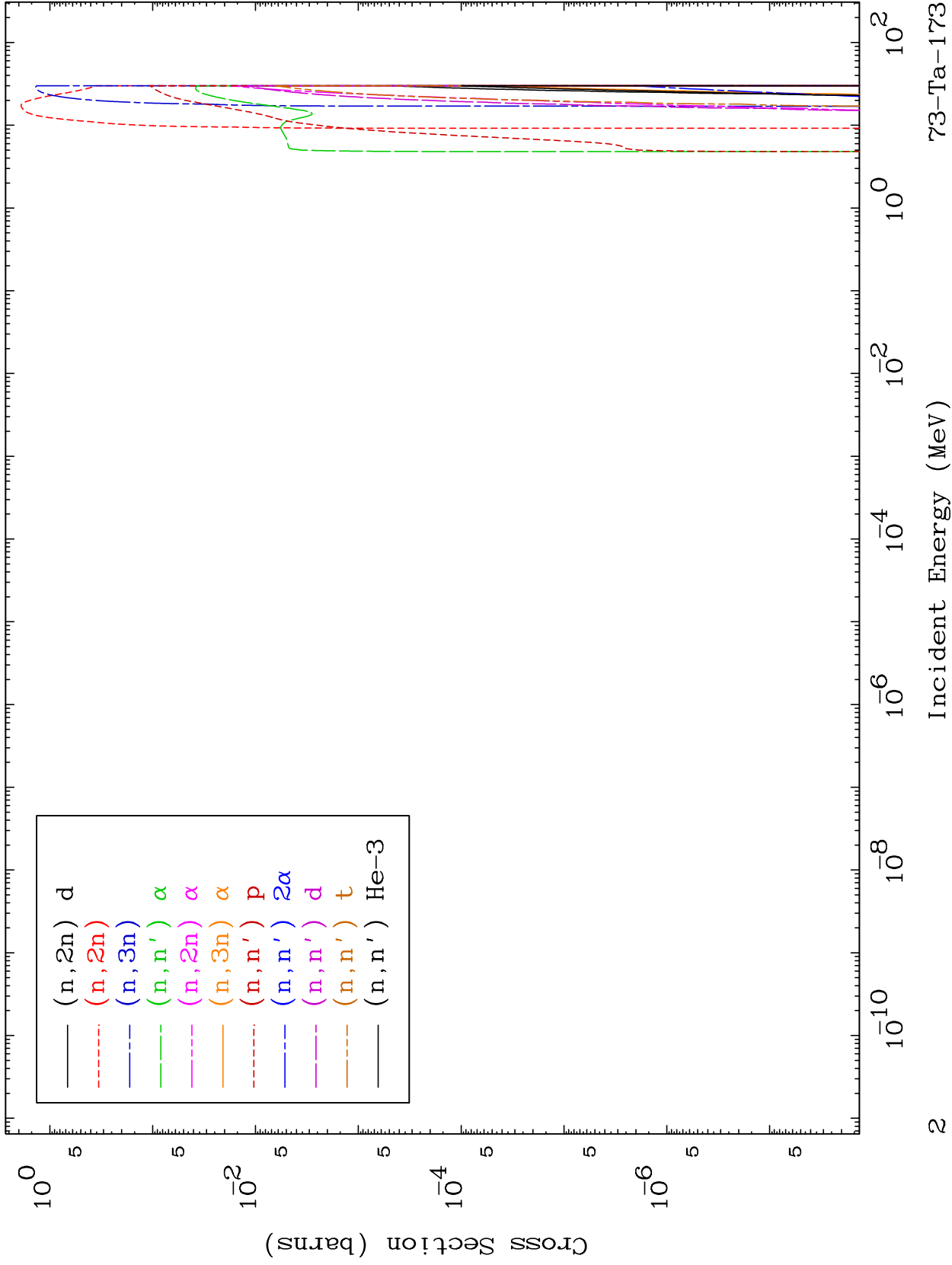
73-Ta-173



MAT 7304

Neutron Absorption
293 Kelvin Cross Sections

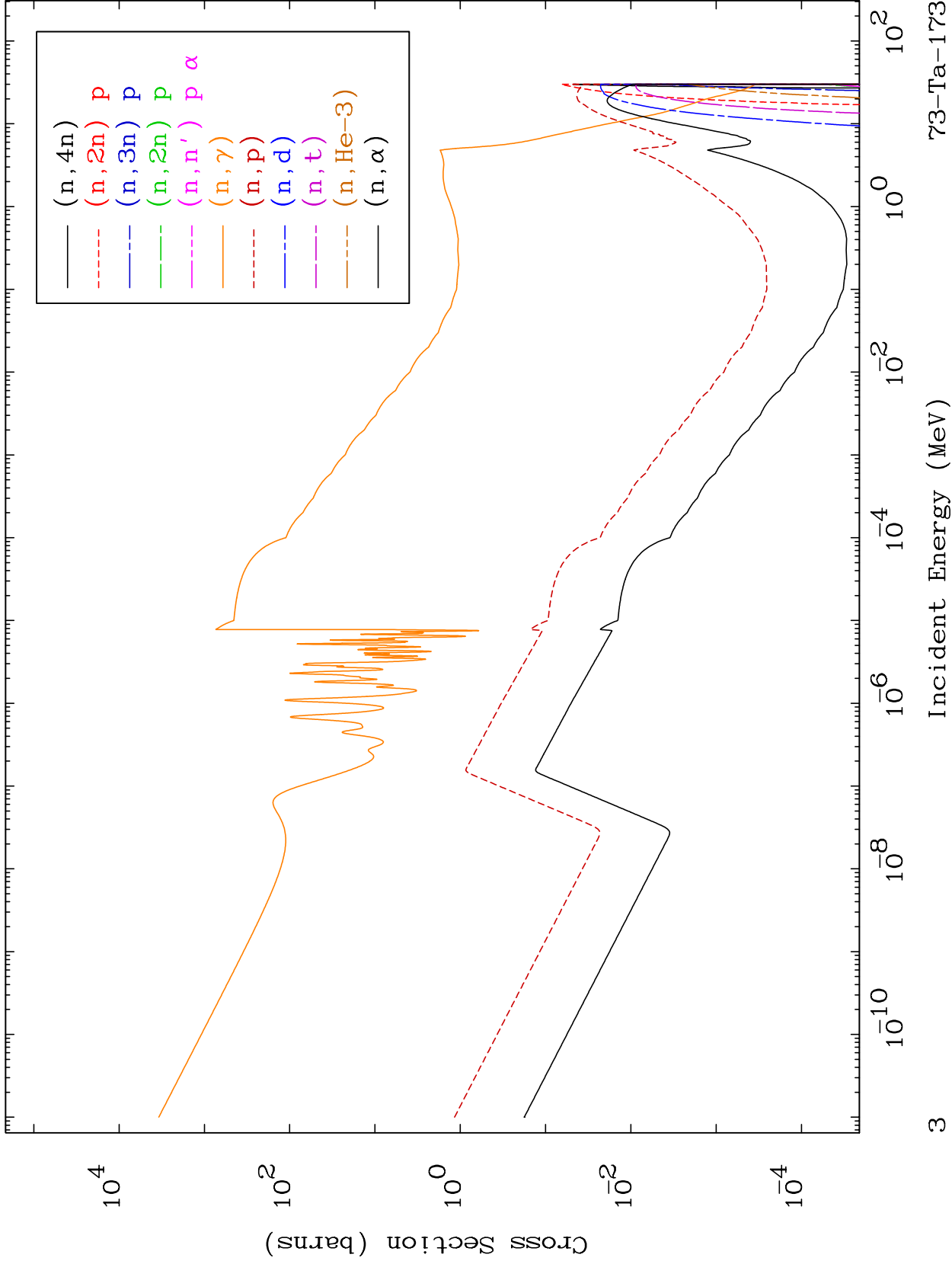
73-Ta-173



MAT 7304

Neutron Absorption
293 Kelvin Cross Sections

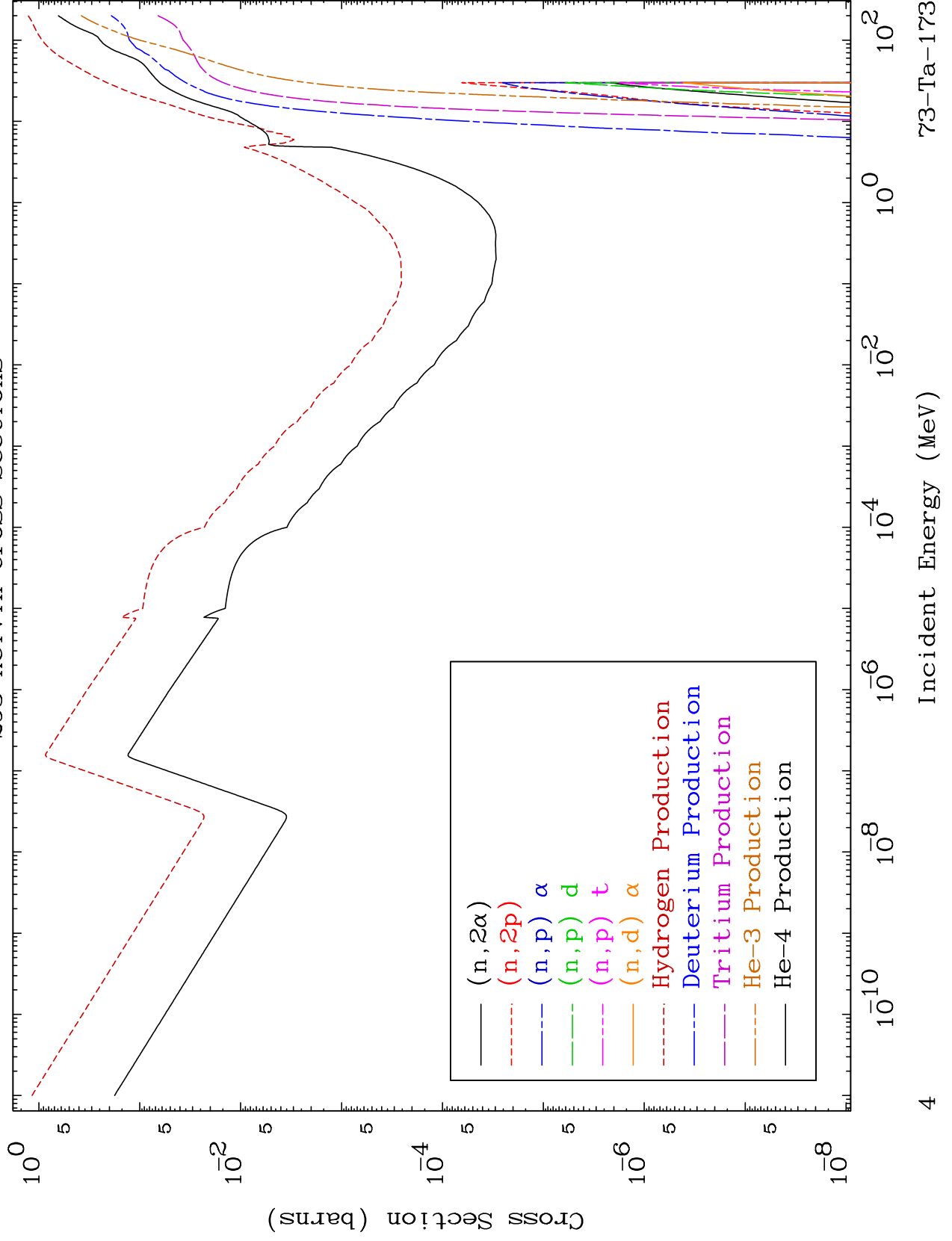
73-Ta-173



MAT 7304

Neutron Absorption
293 Kelvin Cross Sections

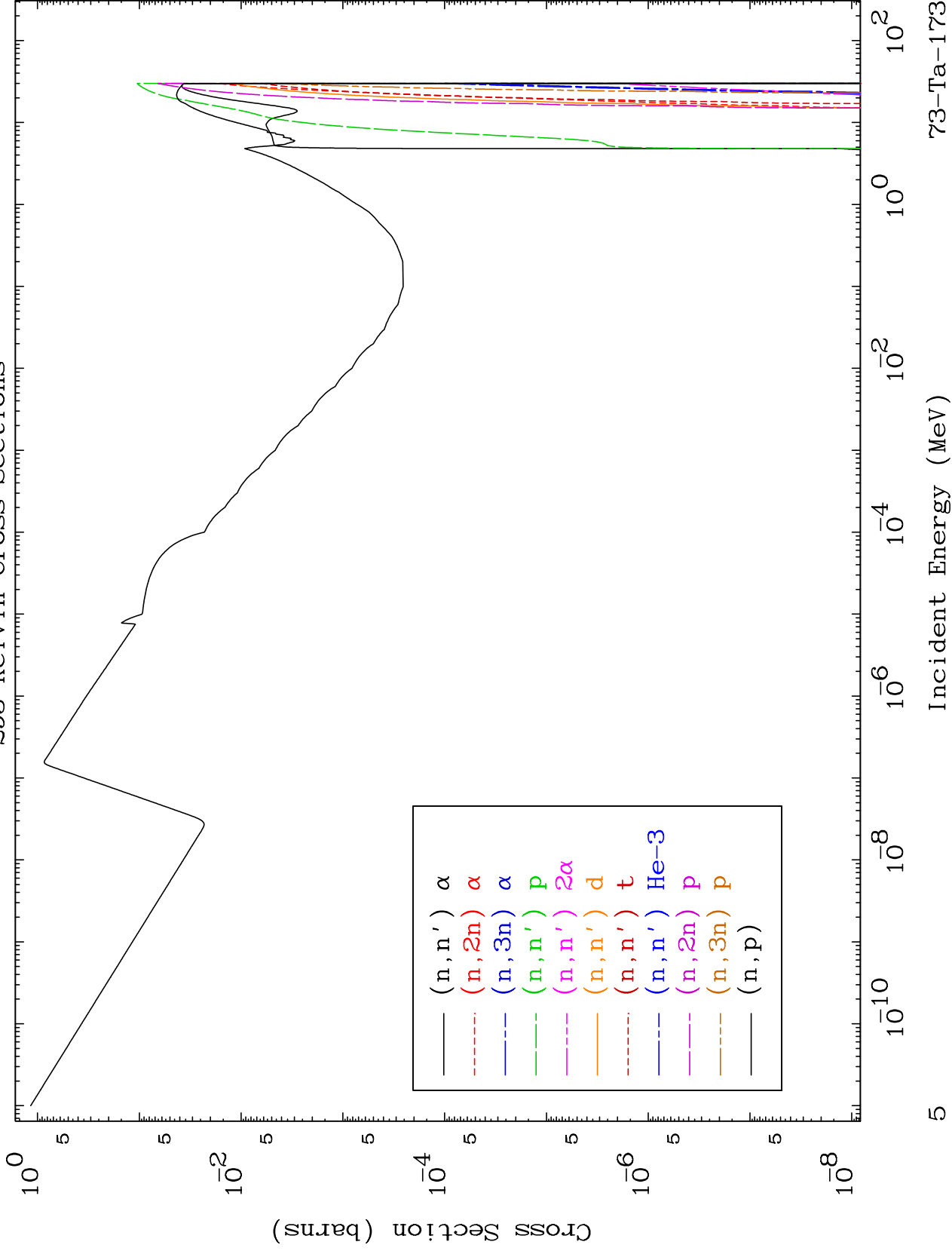
73-Ta-173



MAT 7304

Charged Particle
293 Kelvin Cross Sections

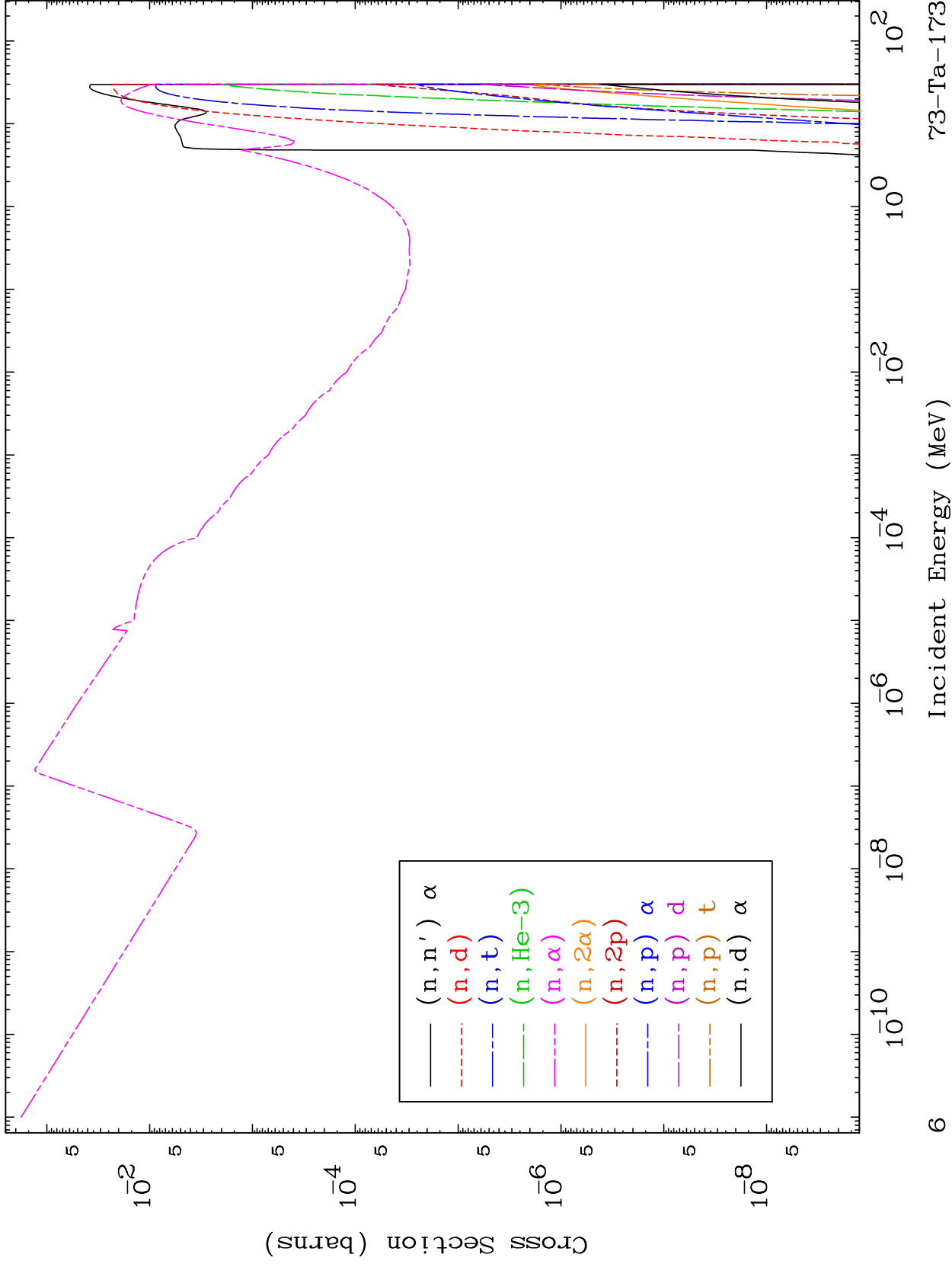
73-Ta-173



MAT 7304

Charged Particle
293 Kelvin Cross Sections

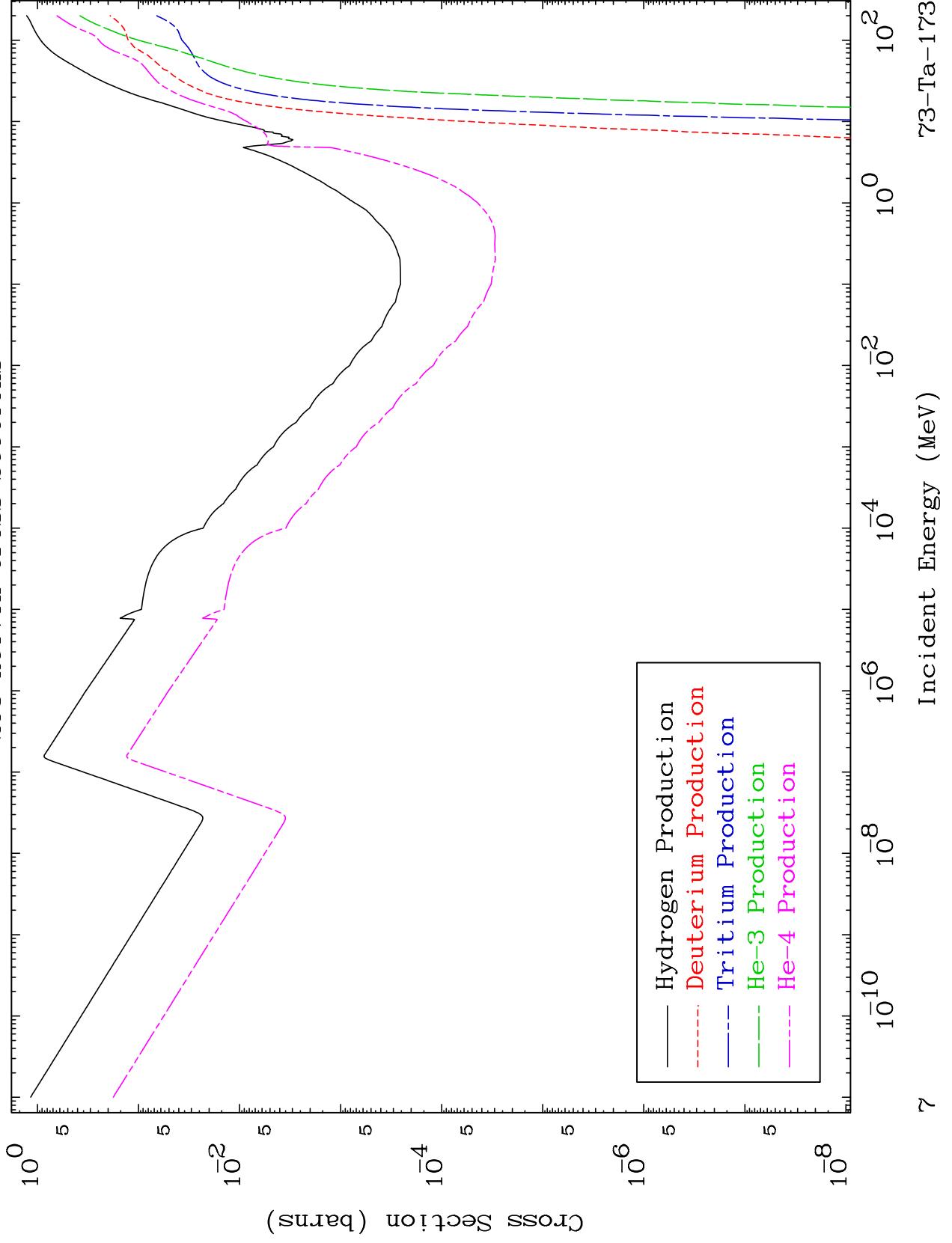
73-Ta-173



MAT 7304

Particle Production
293 Kelvin Cross Sections

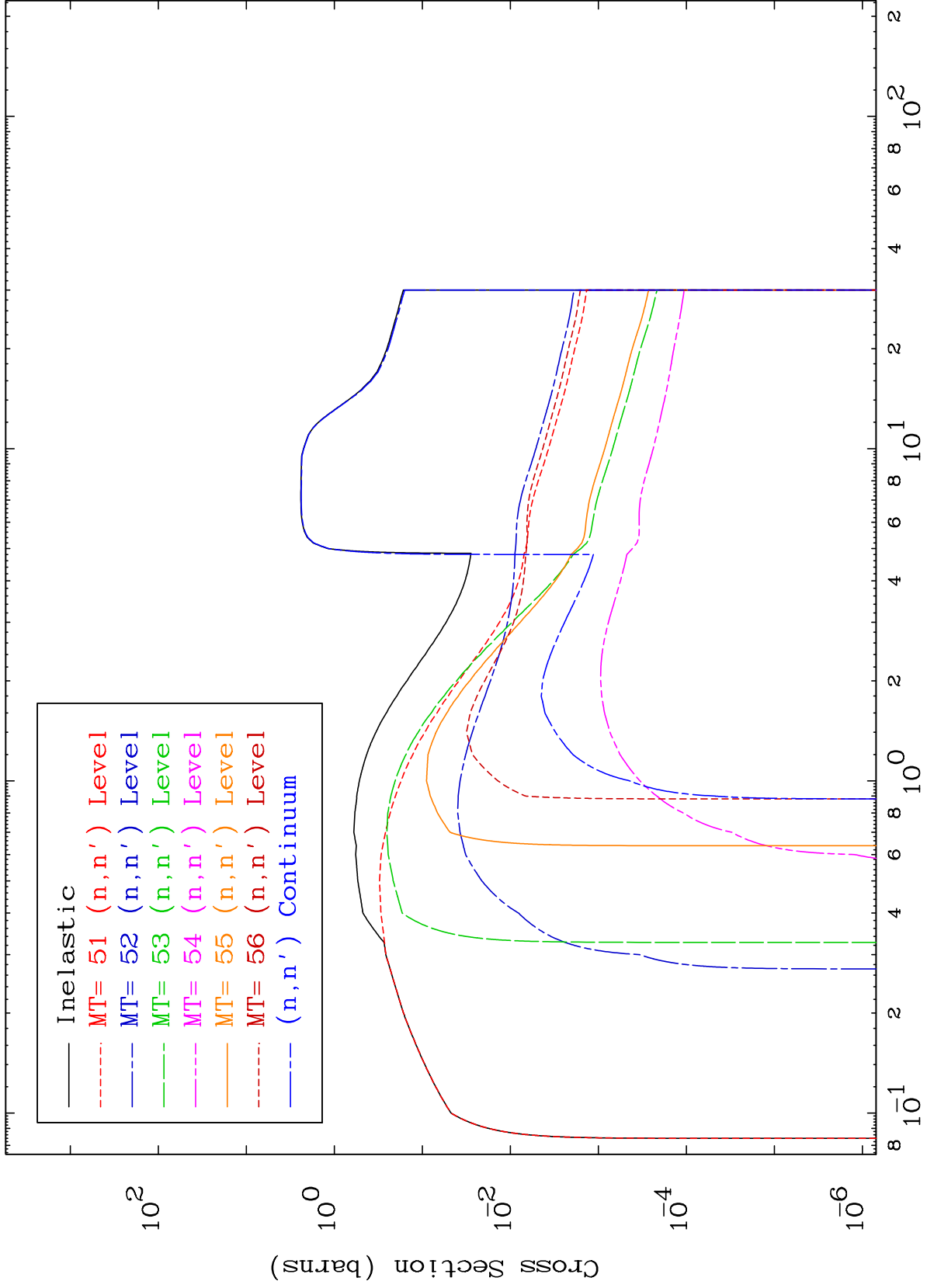
73-Ta-173



MAT 7304

(n,n') Levels
293 Kelvin Cross Sections

73-Ta-173



8

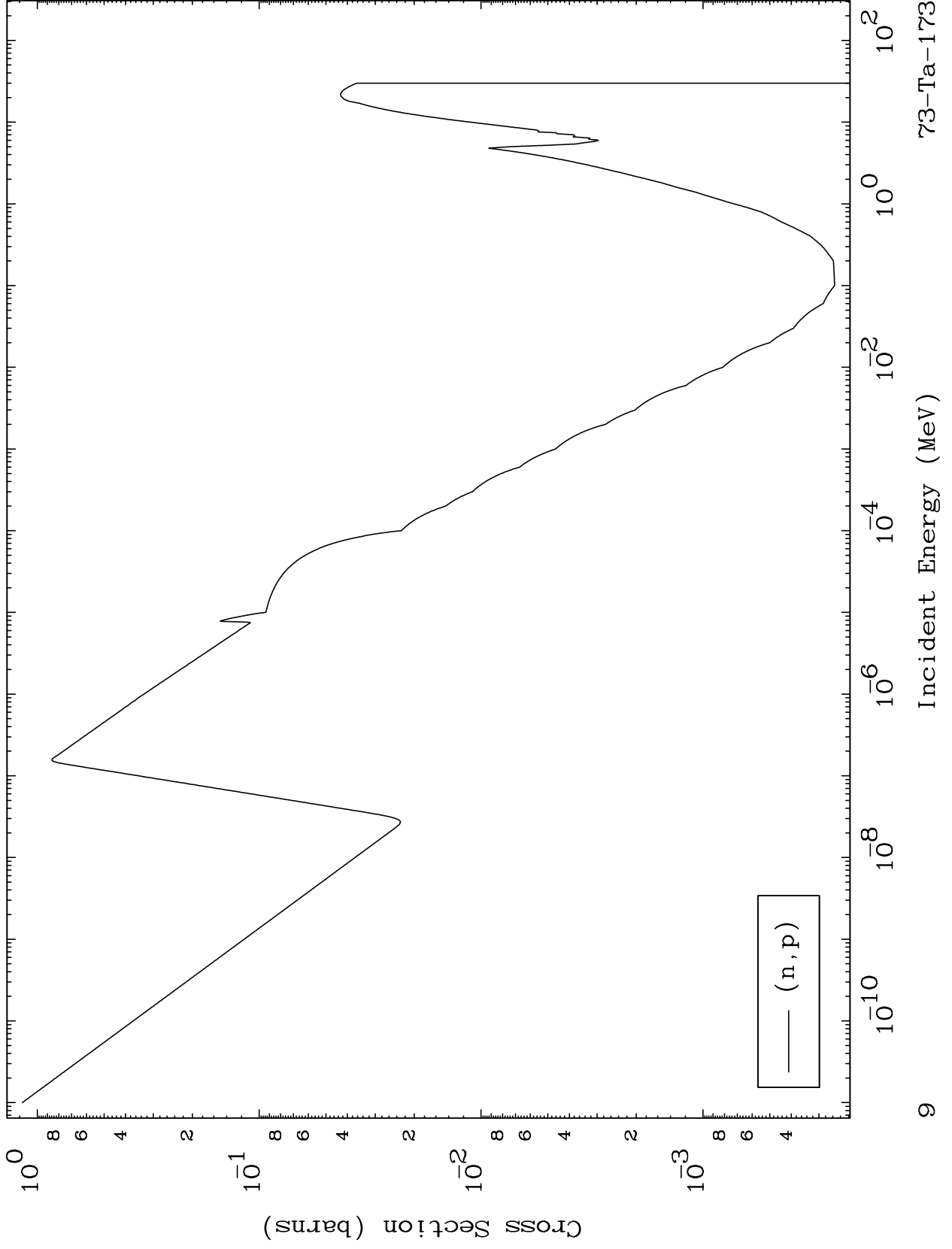
Incident Energy (MeV)

73-Ta-173

MAT 7304

(n,p) Levels
293 Kelvin Cross Sections

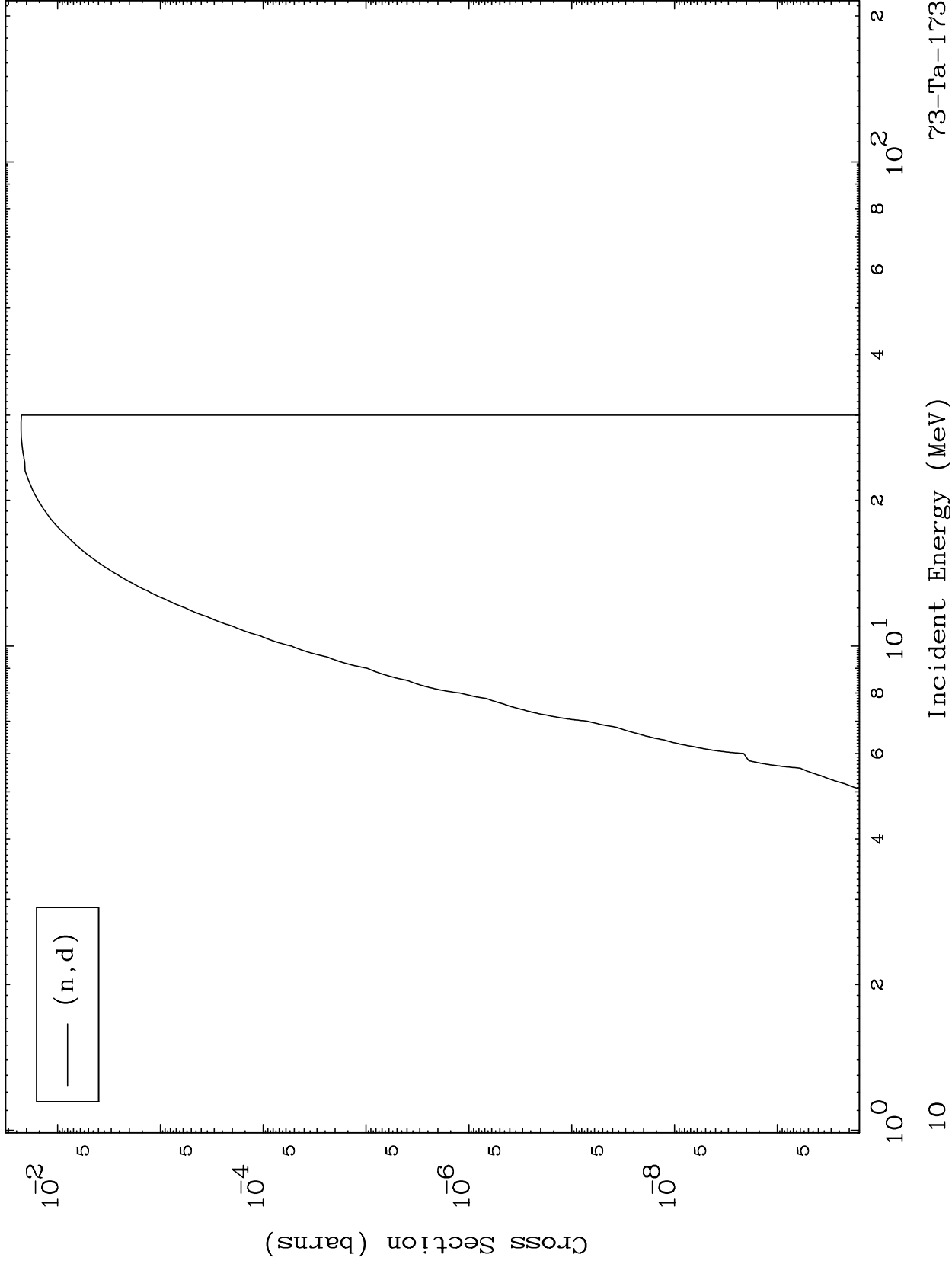
73-Ta-173



MAT 7304

(n,d) Levels
293 Kelvin Cross Sections

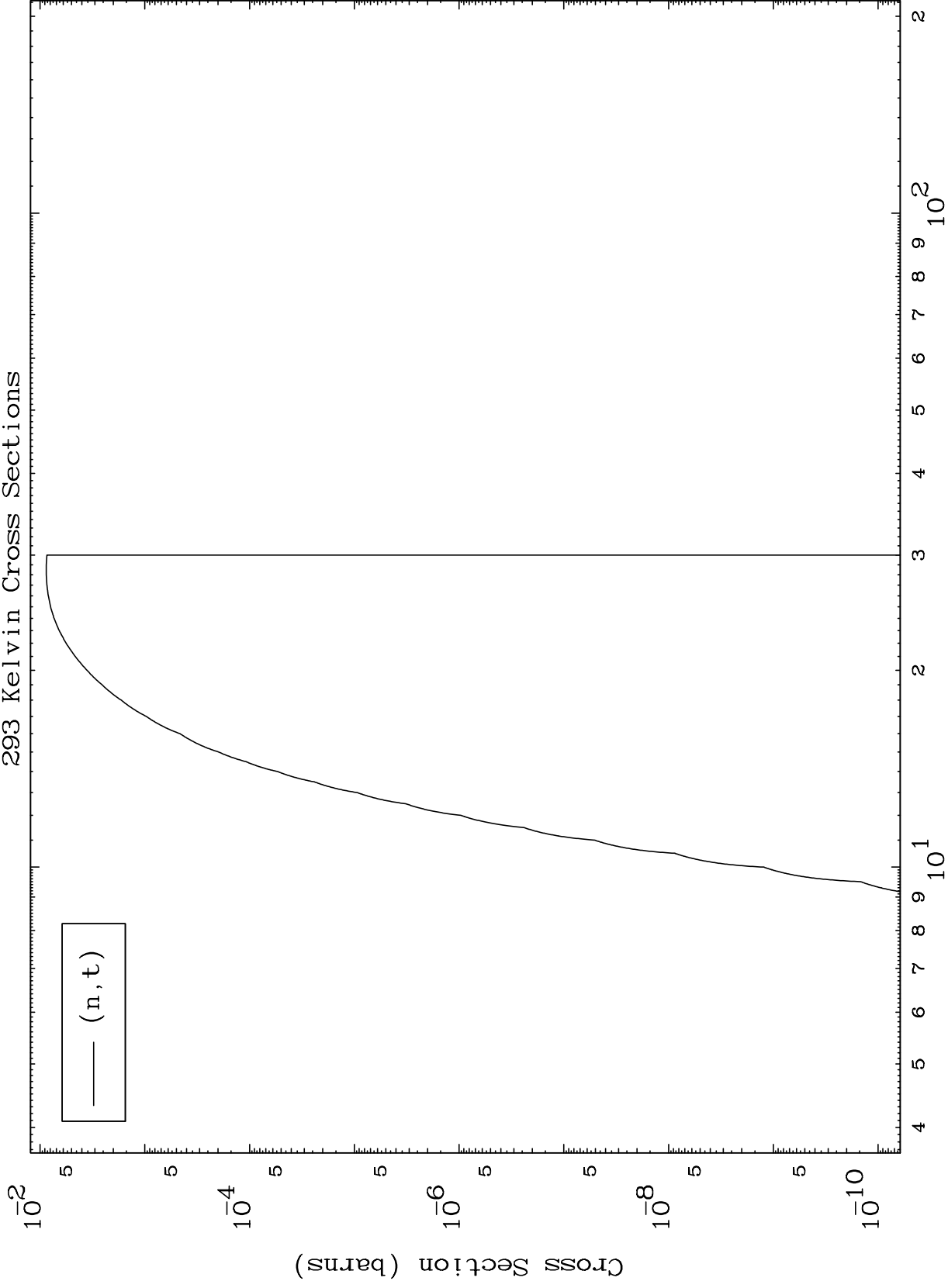
73-Ta-173



MAT 7304

(n,t) Levels
293 Kelvin Cross Sections

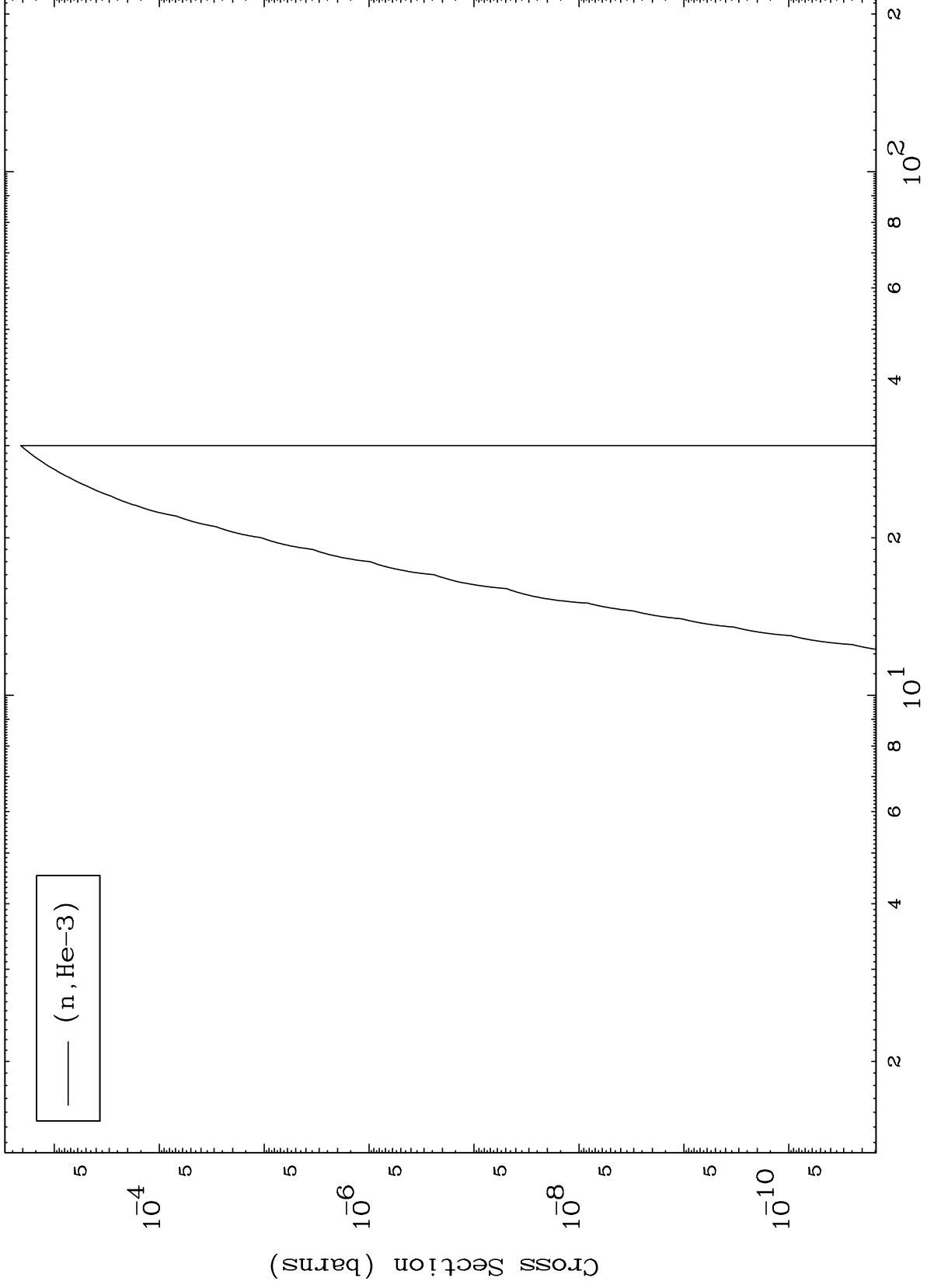
73-Ta-173



MAT 7304

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-173



12

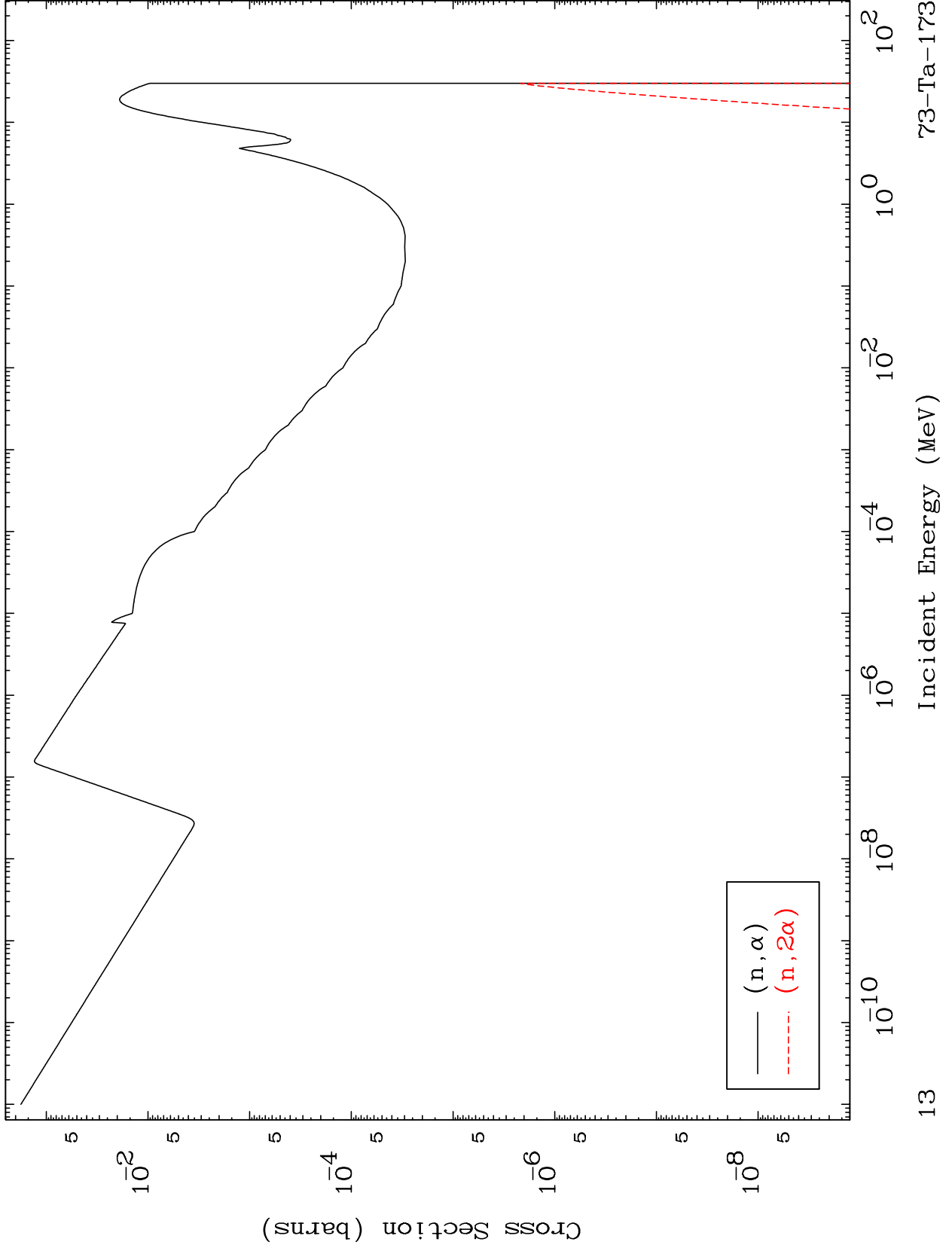
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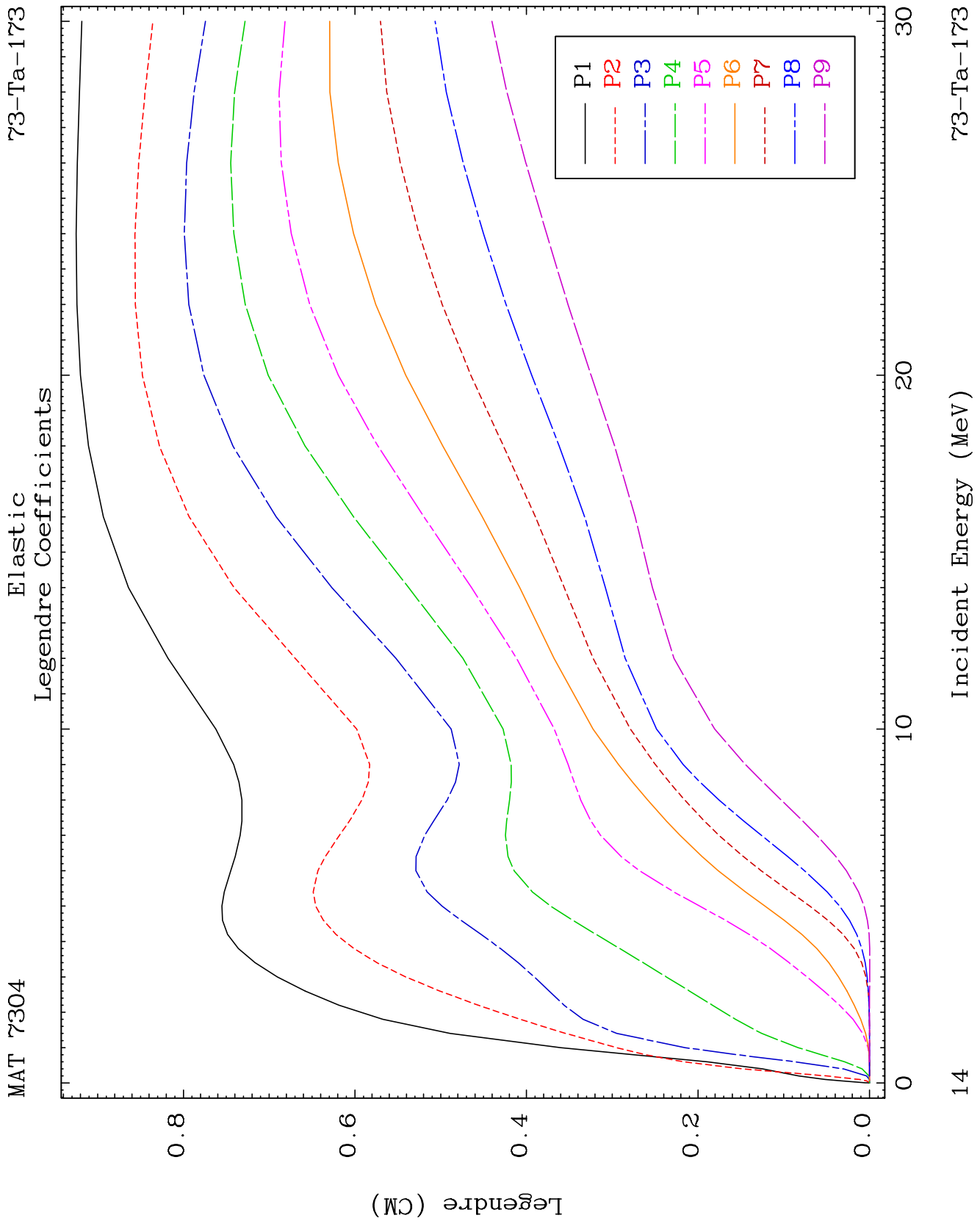
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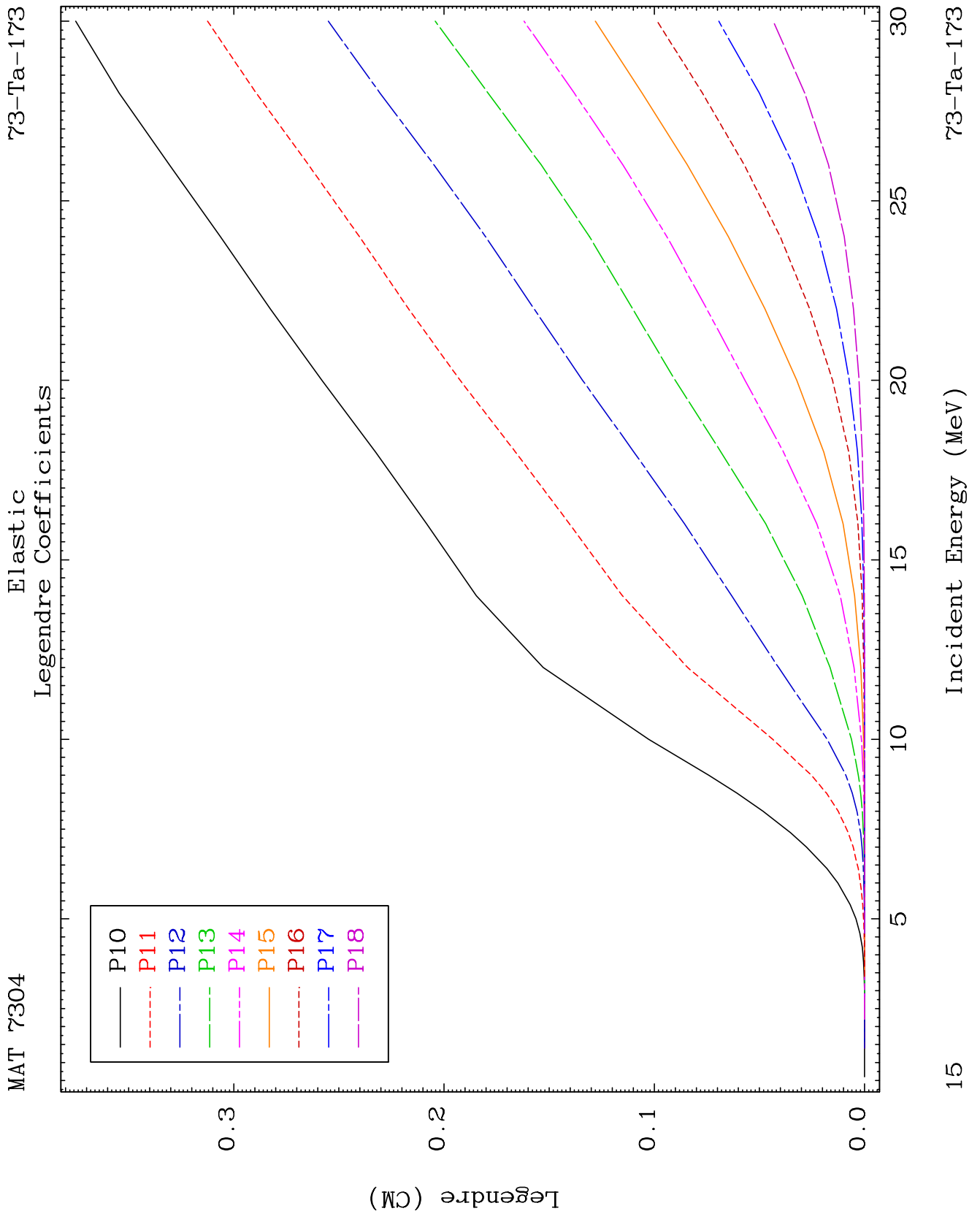
MAT 7304

(n, α) Levels
293 Kelvin Cross Sections

73-Ta-173



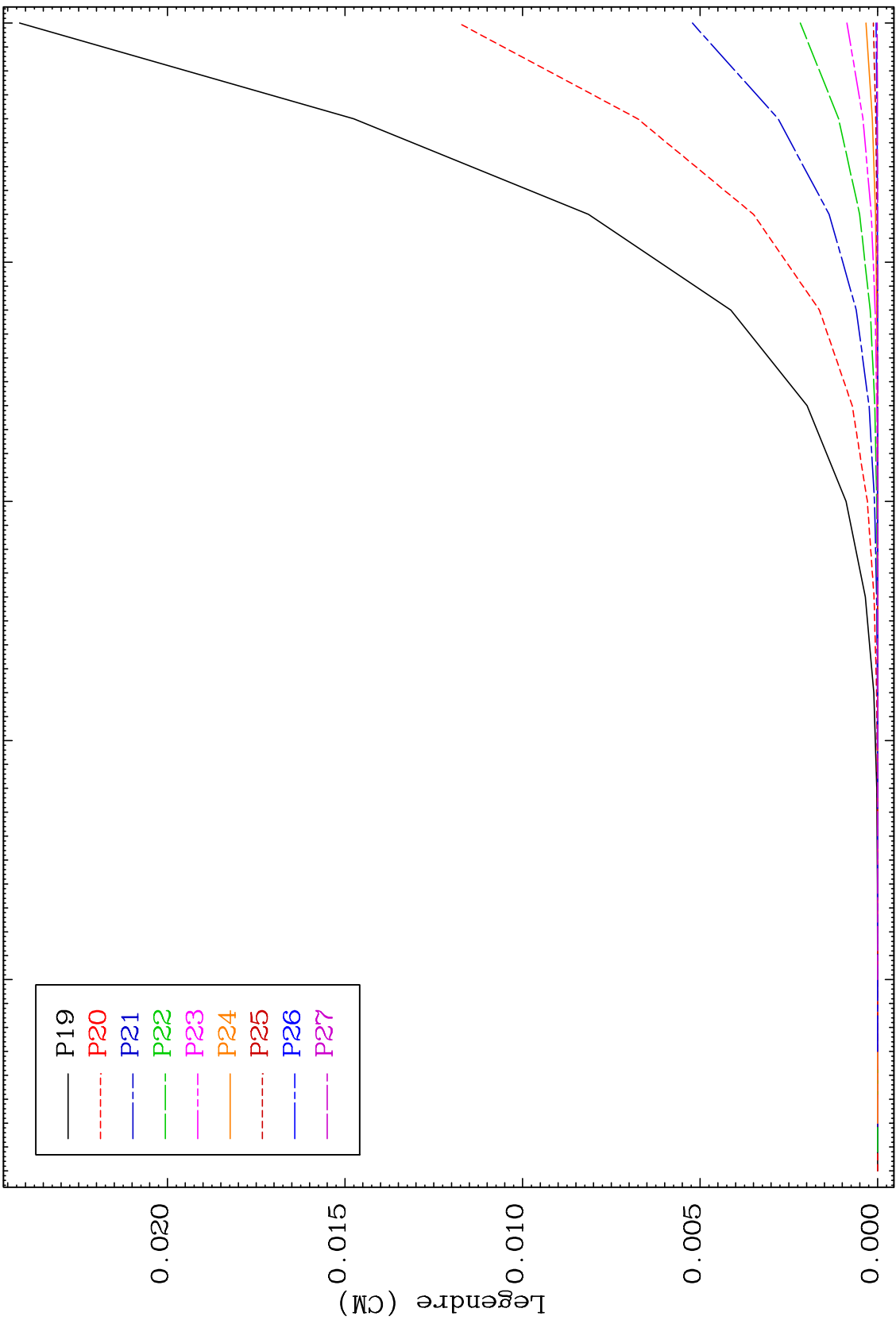




MAT 7304

Elastic Legendre Coefficients

73-Ta-173



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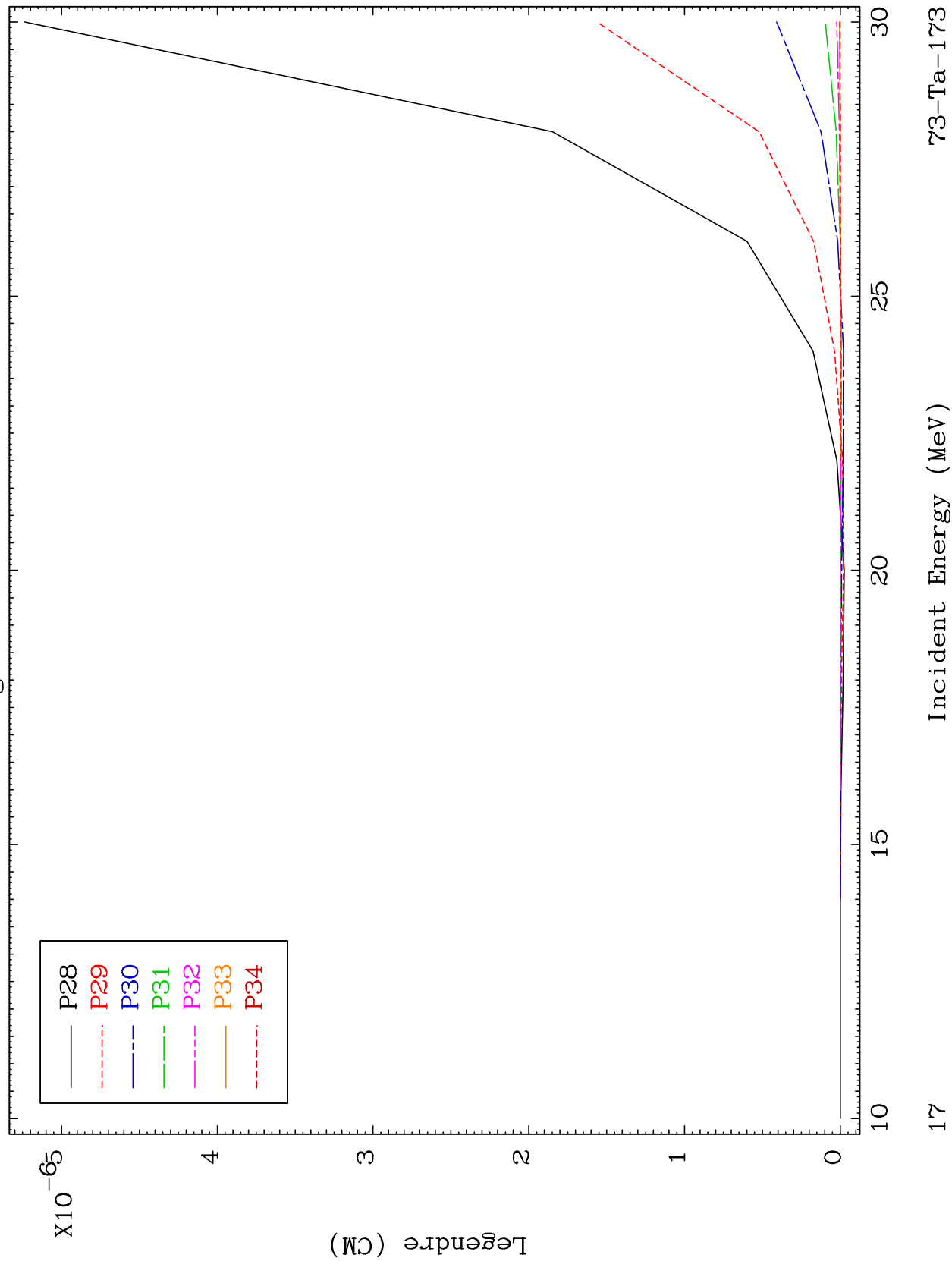
Incident Energy (MeV)

73-Ta-173

MAT 7304

Elastic Legendre Coefficients

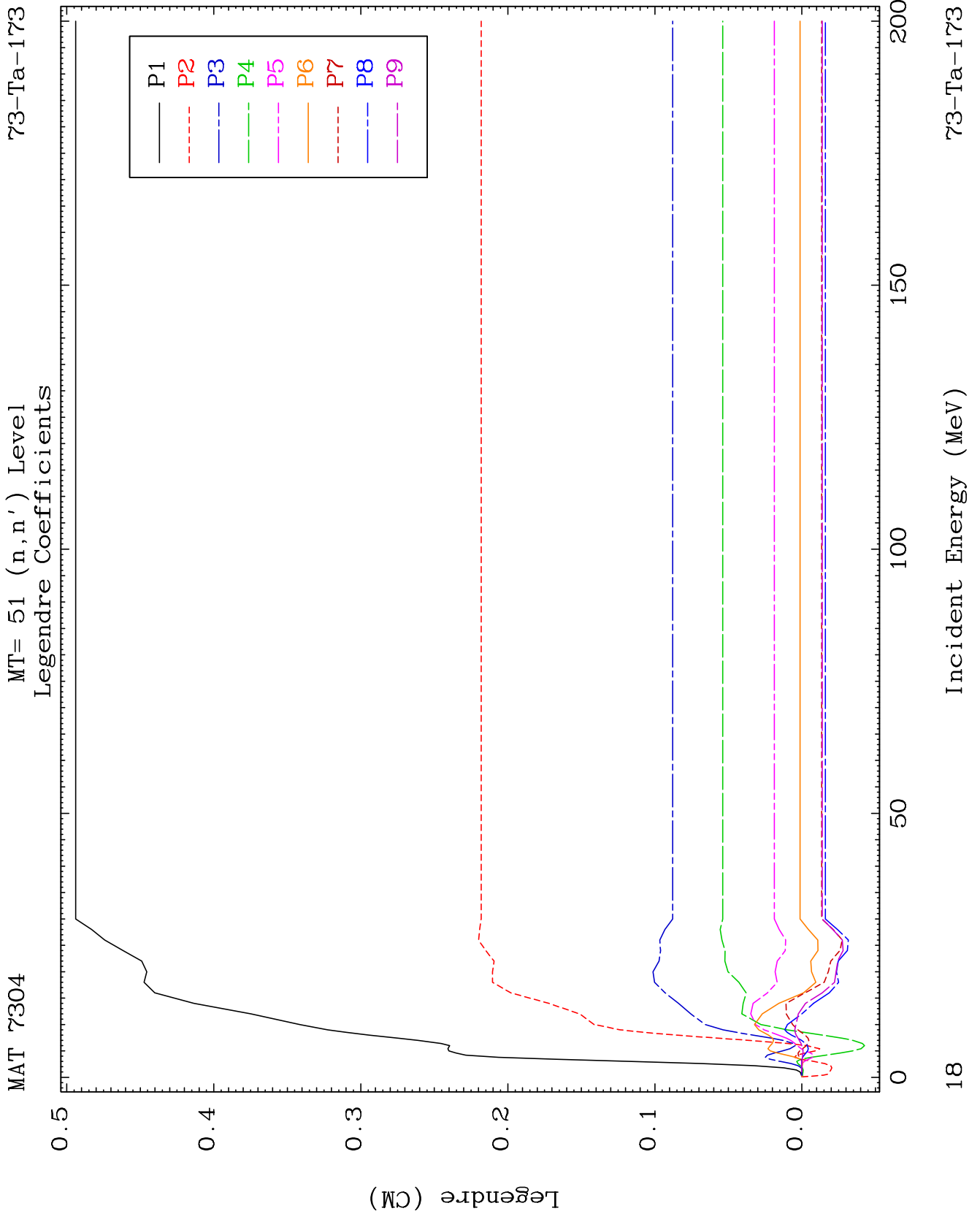
73-Ta-173



73-Ta-173

Incident Energy (MeV)

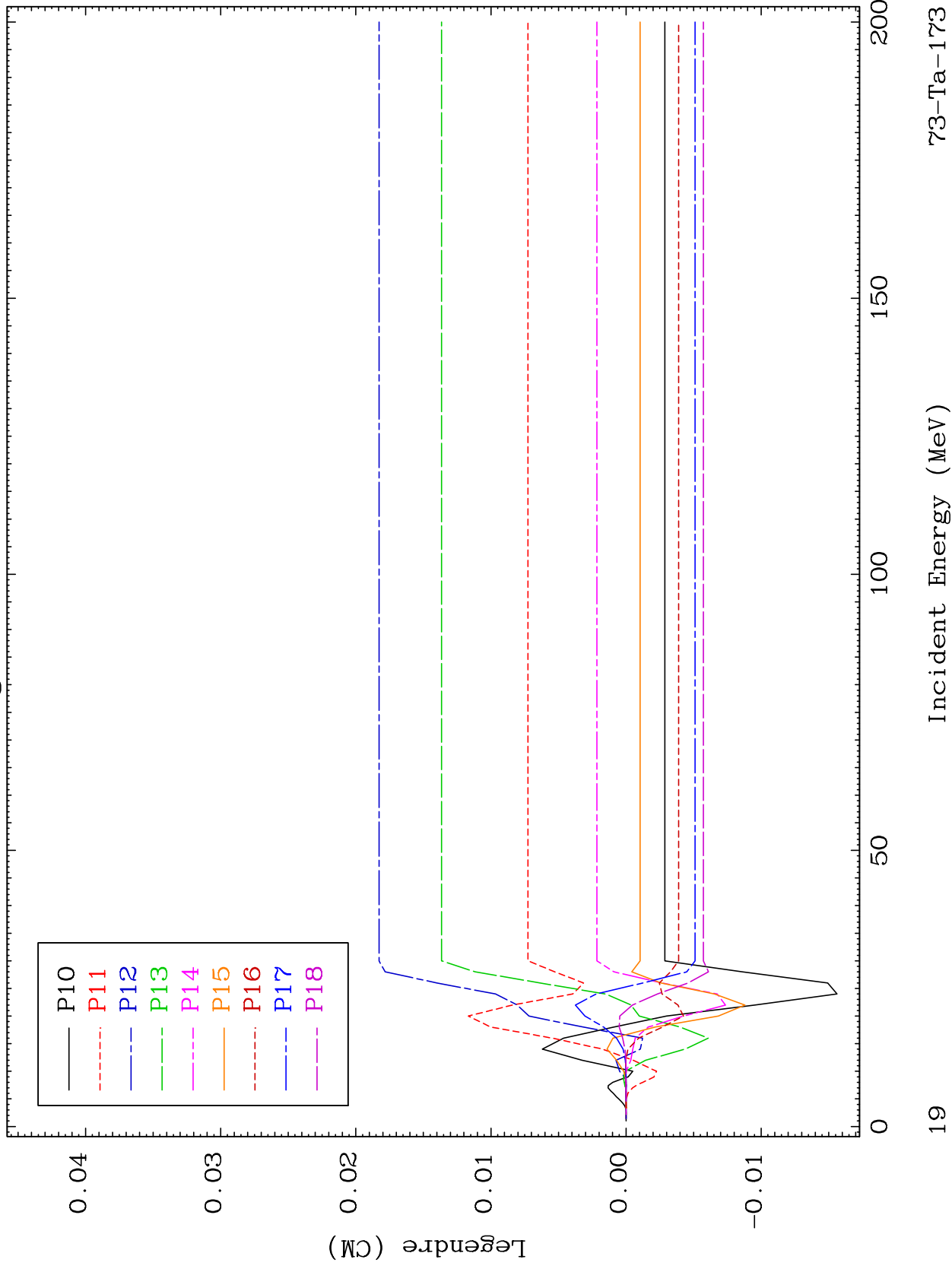
17

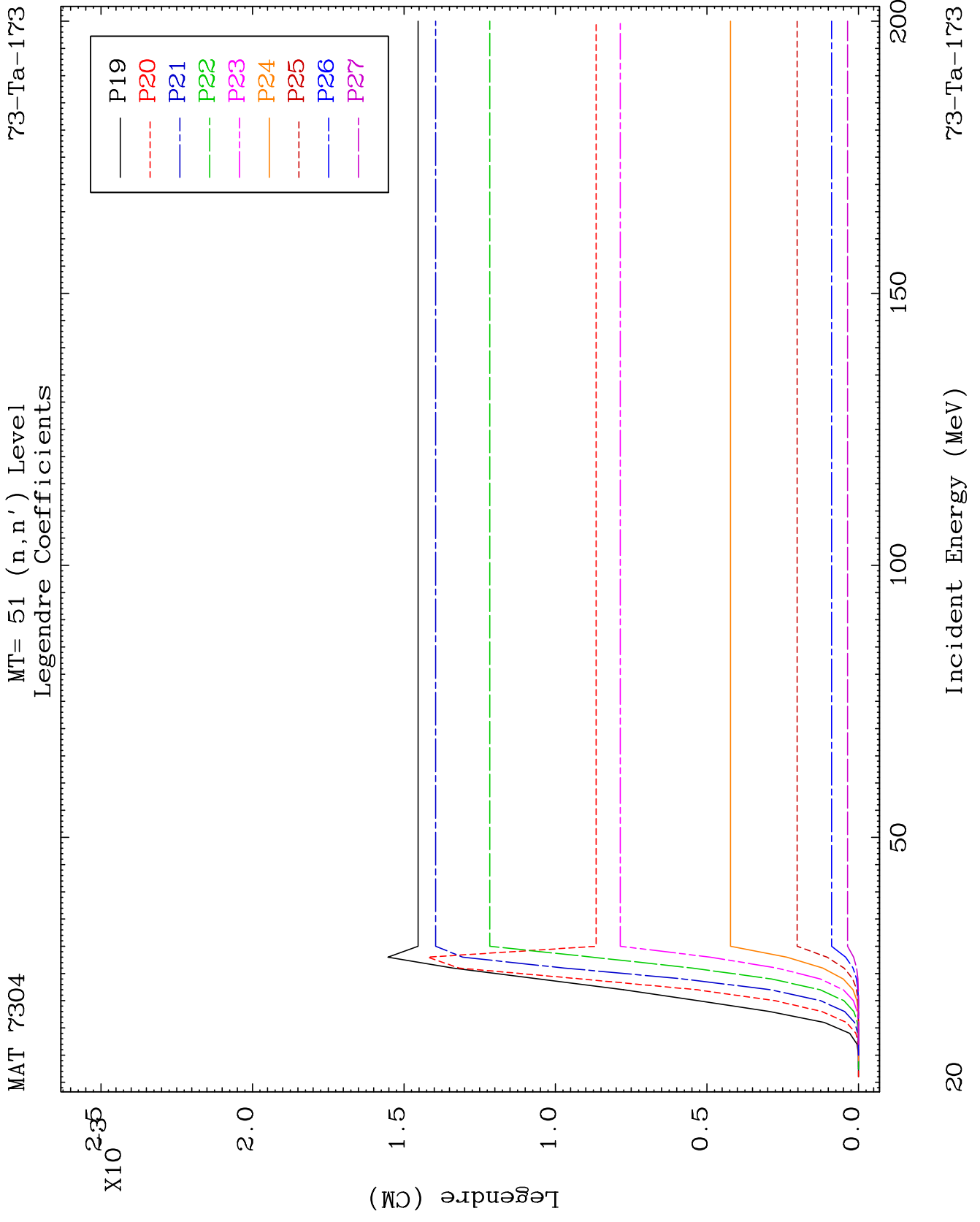


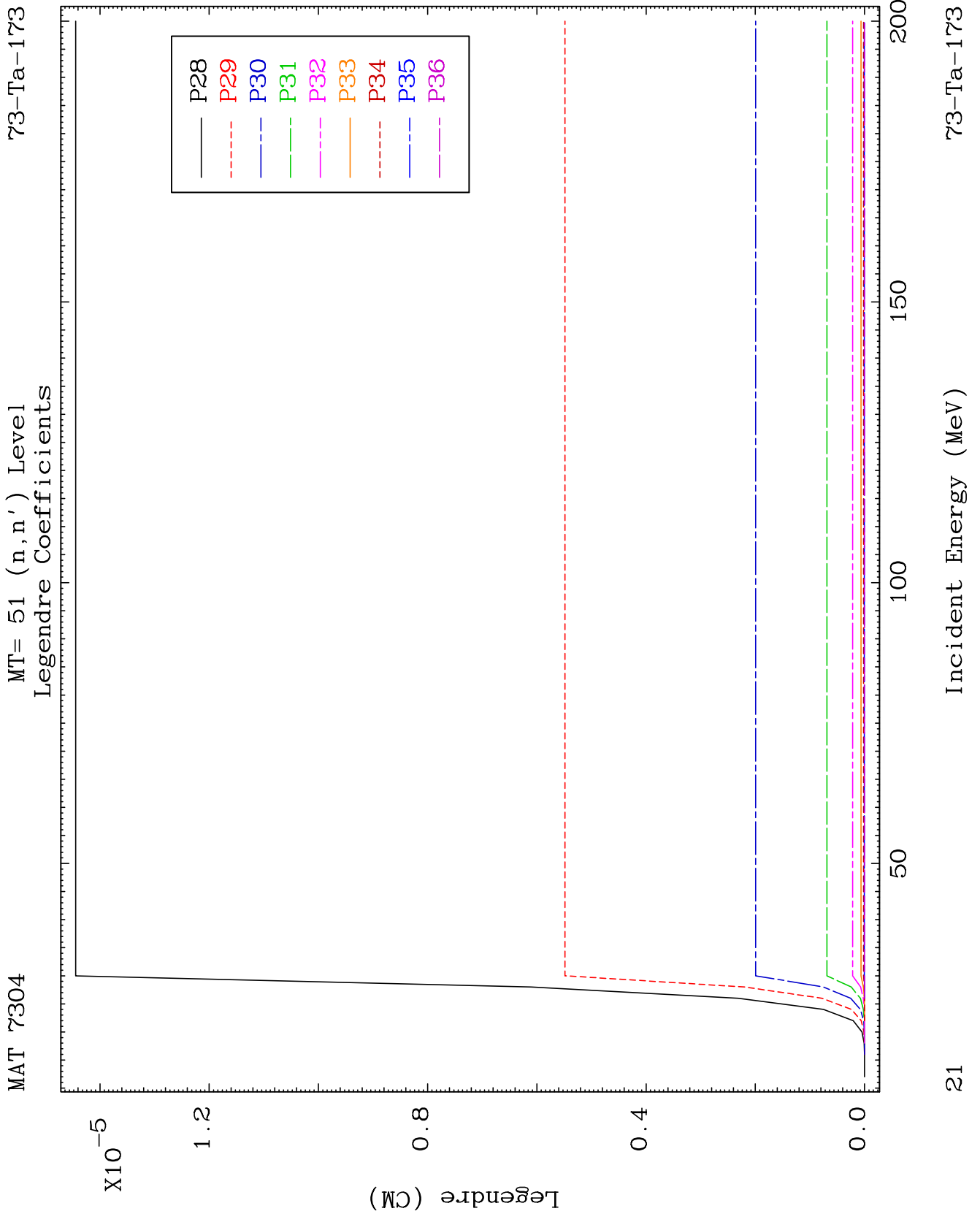
MAT 7304

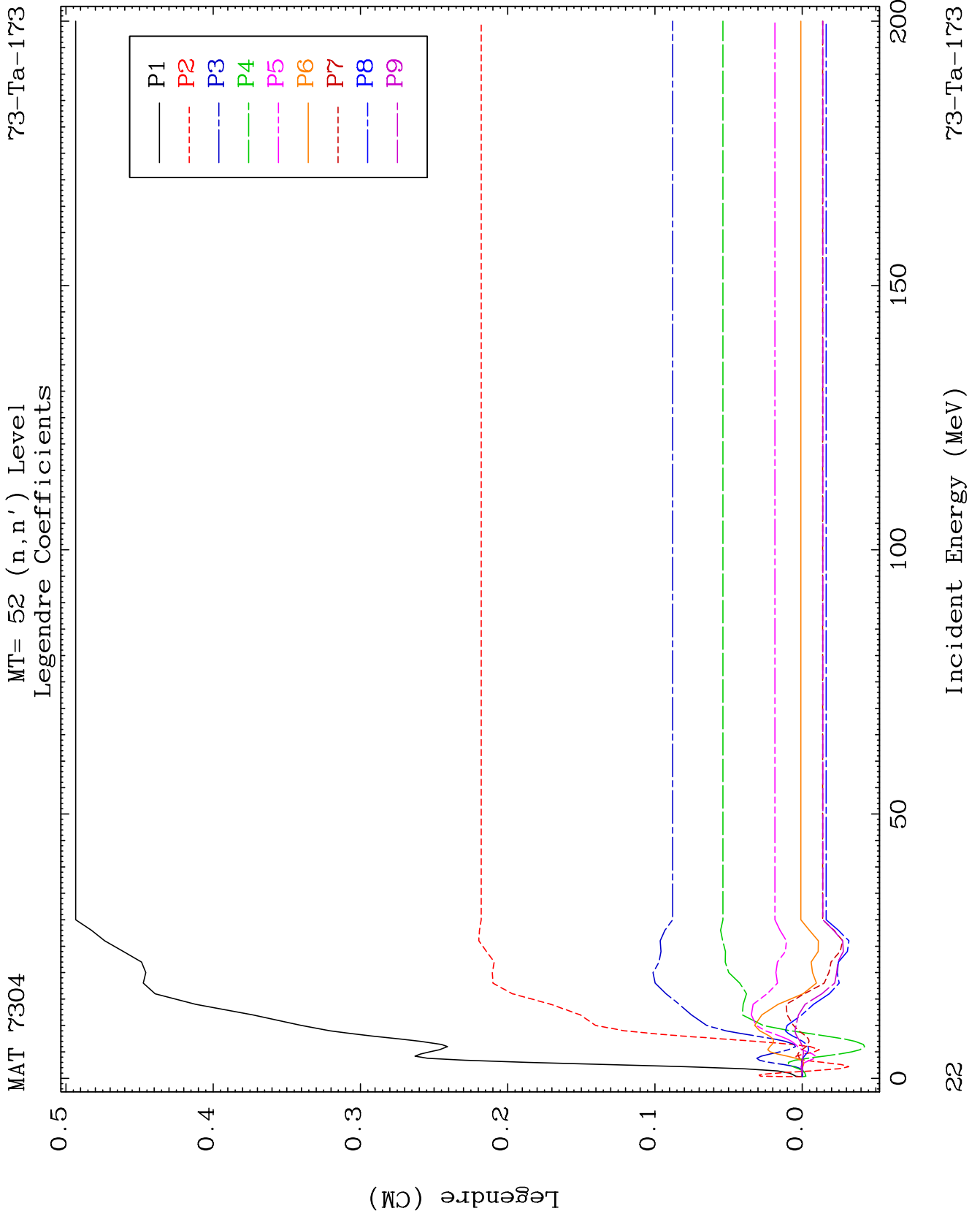
MT= 51 (n,n') Level
Legendre Coefficients

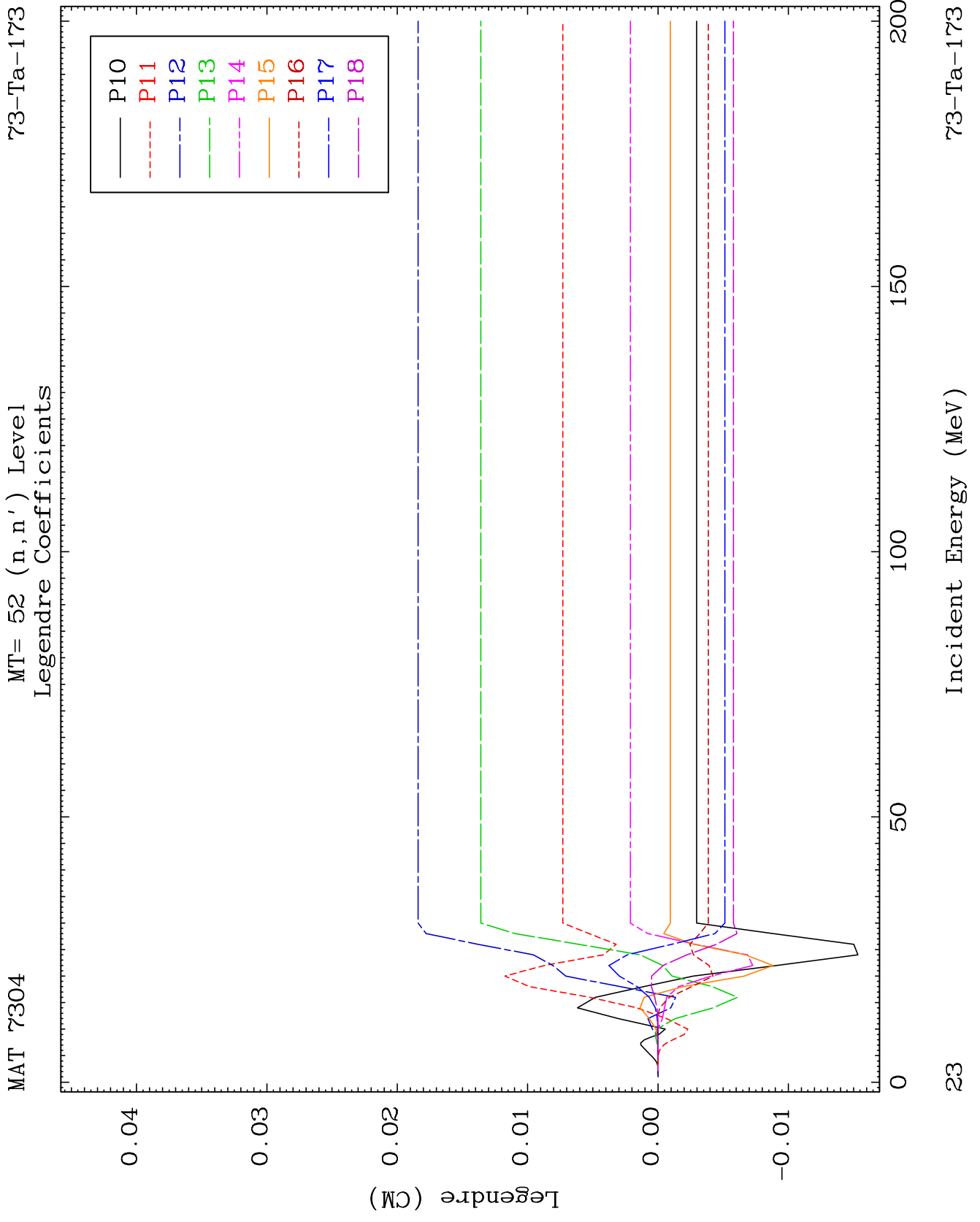
73-Ta-173

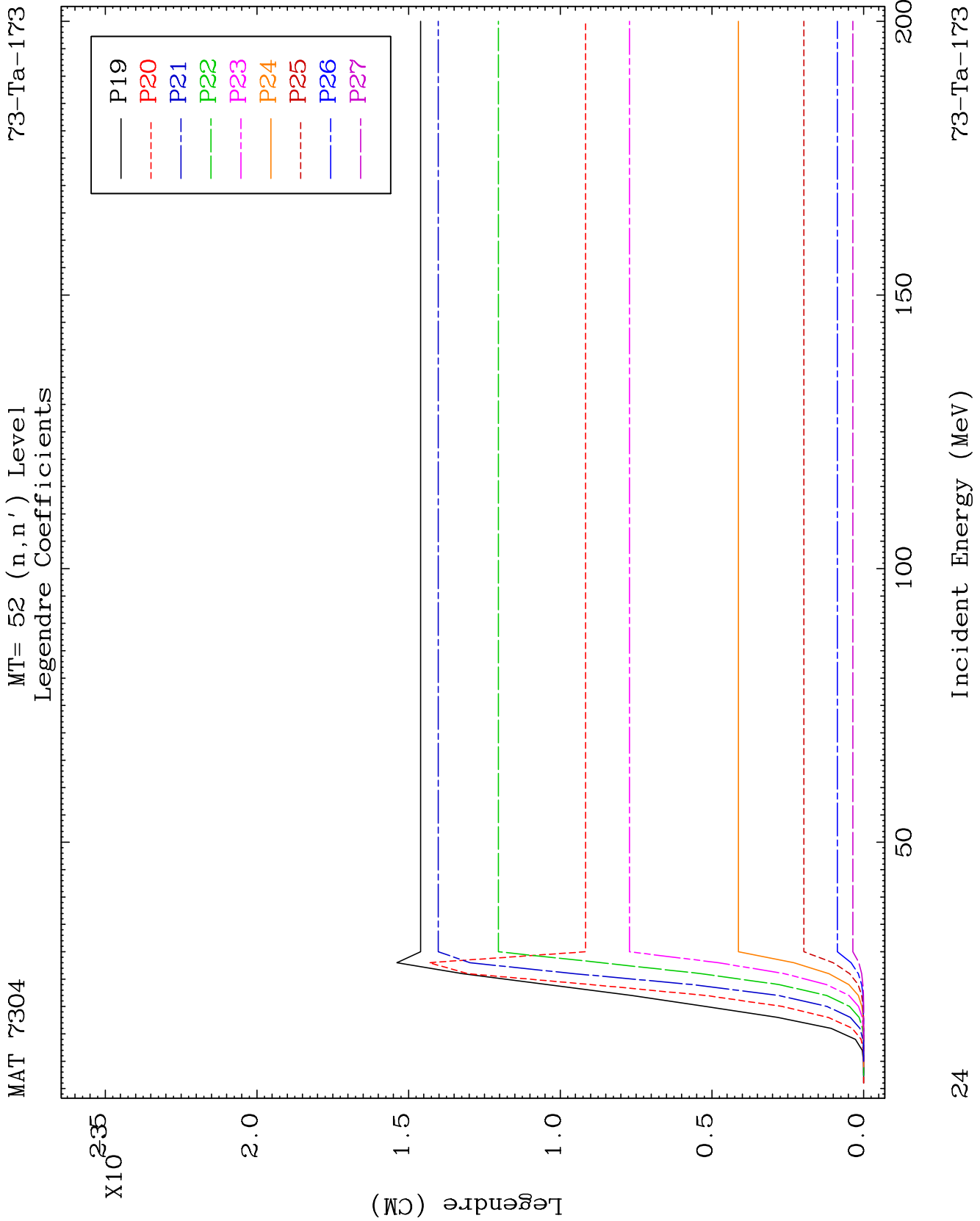


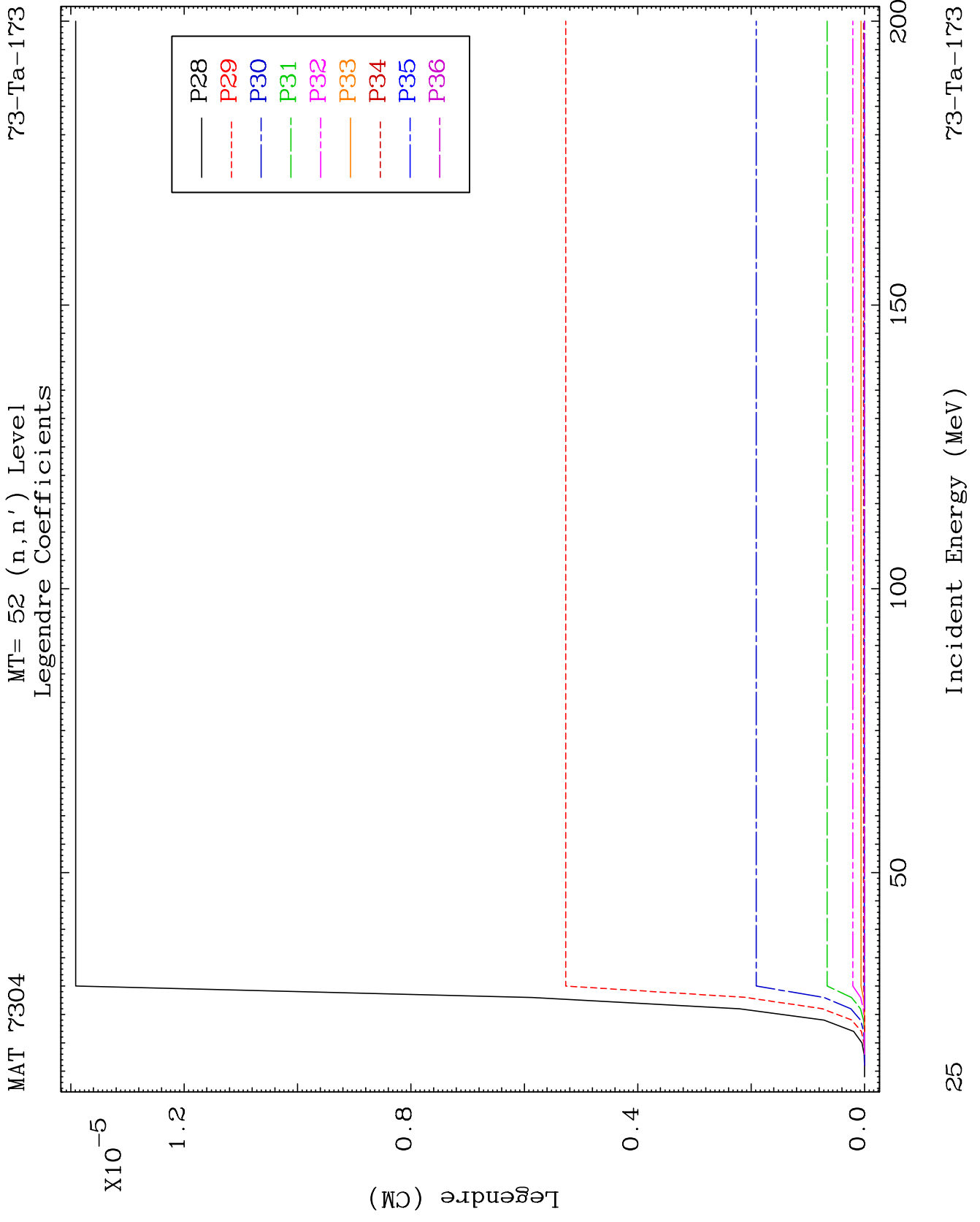


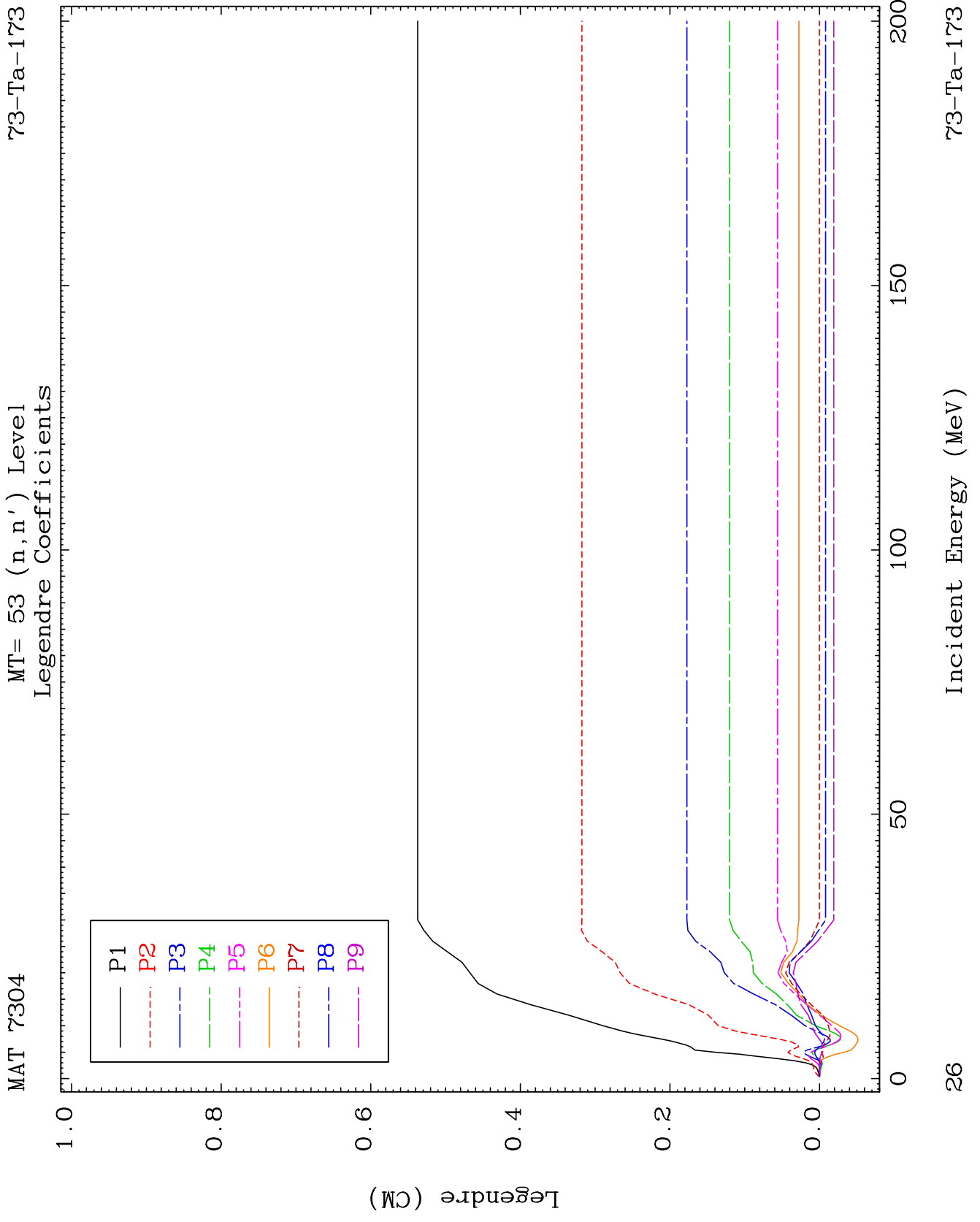








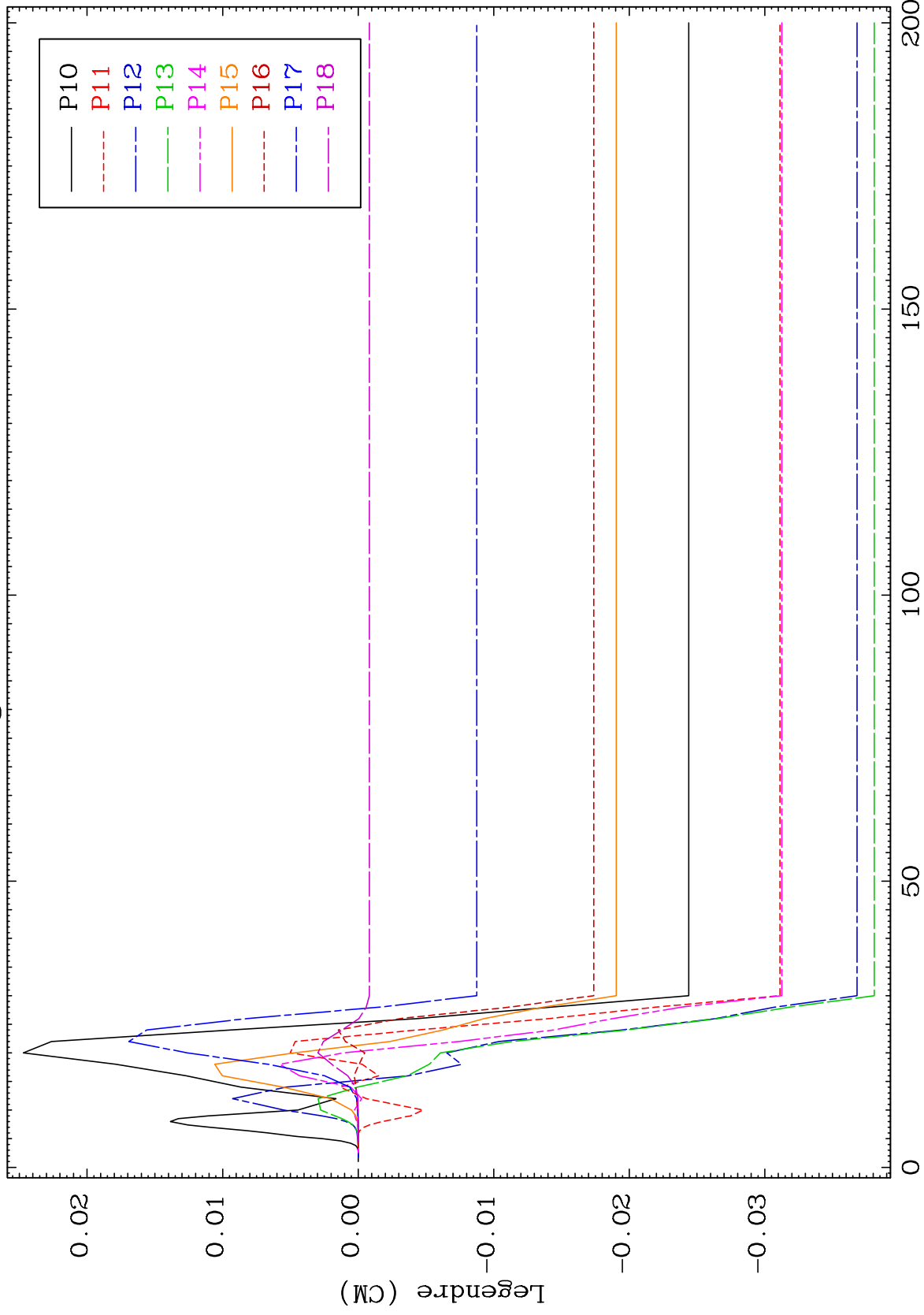




MAT 7304

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

73-Ta-173



27

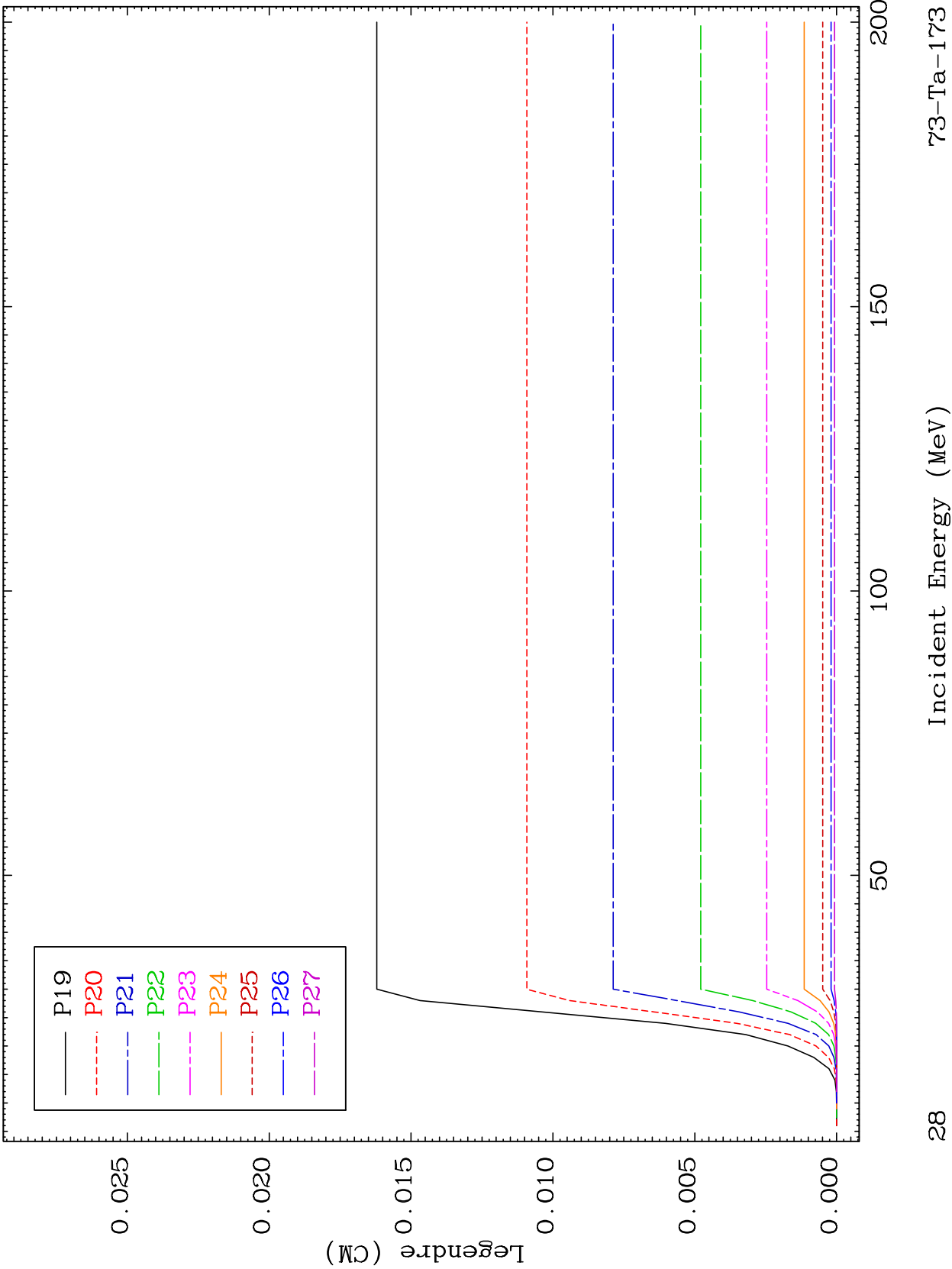
Incident Energy (MeV)

73-Ta-173

MAT 7304

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

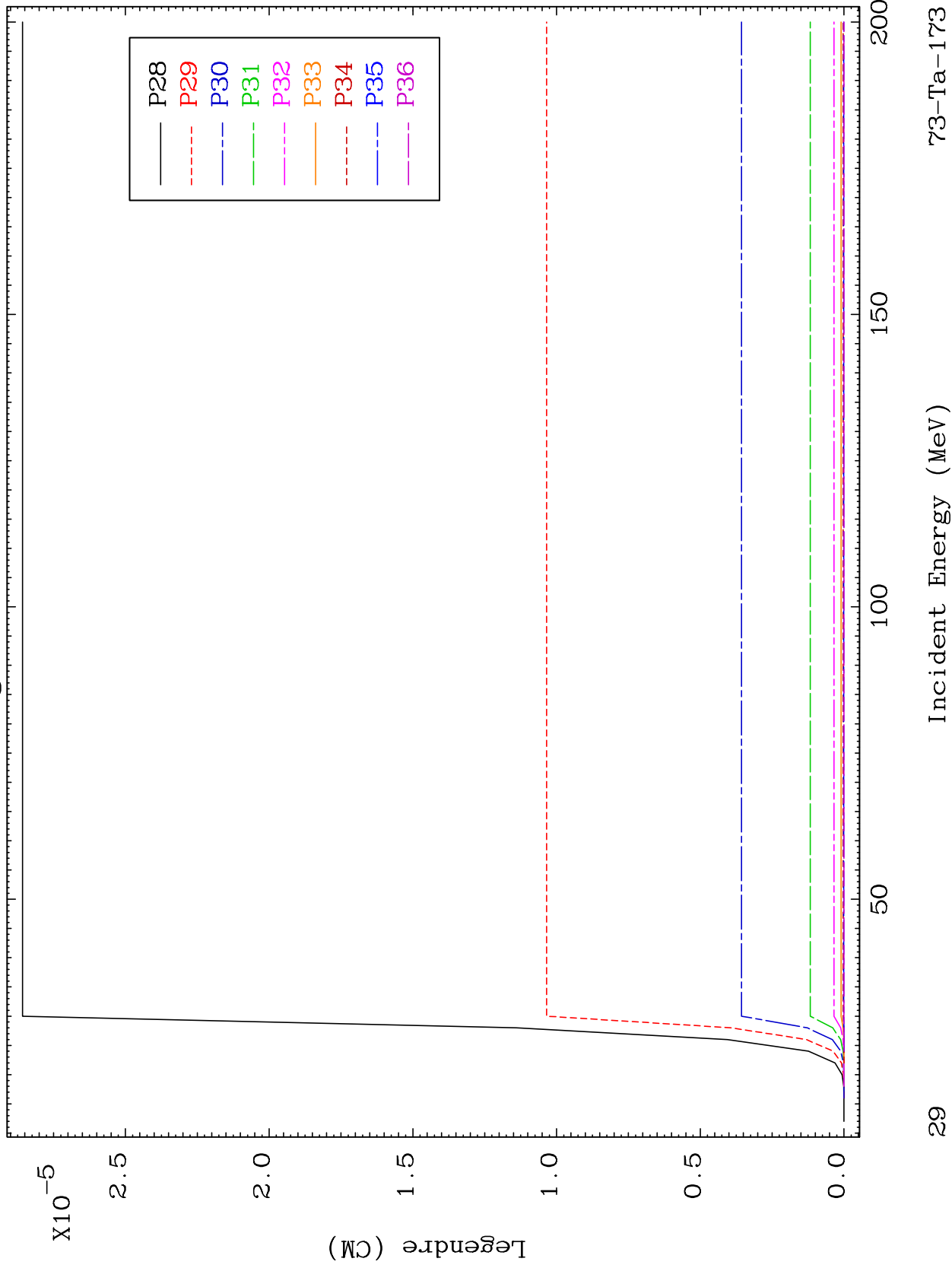
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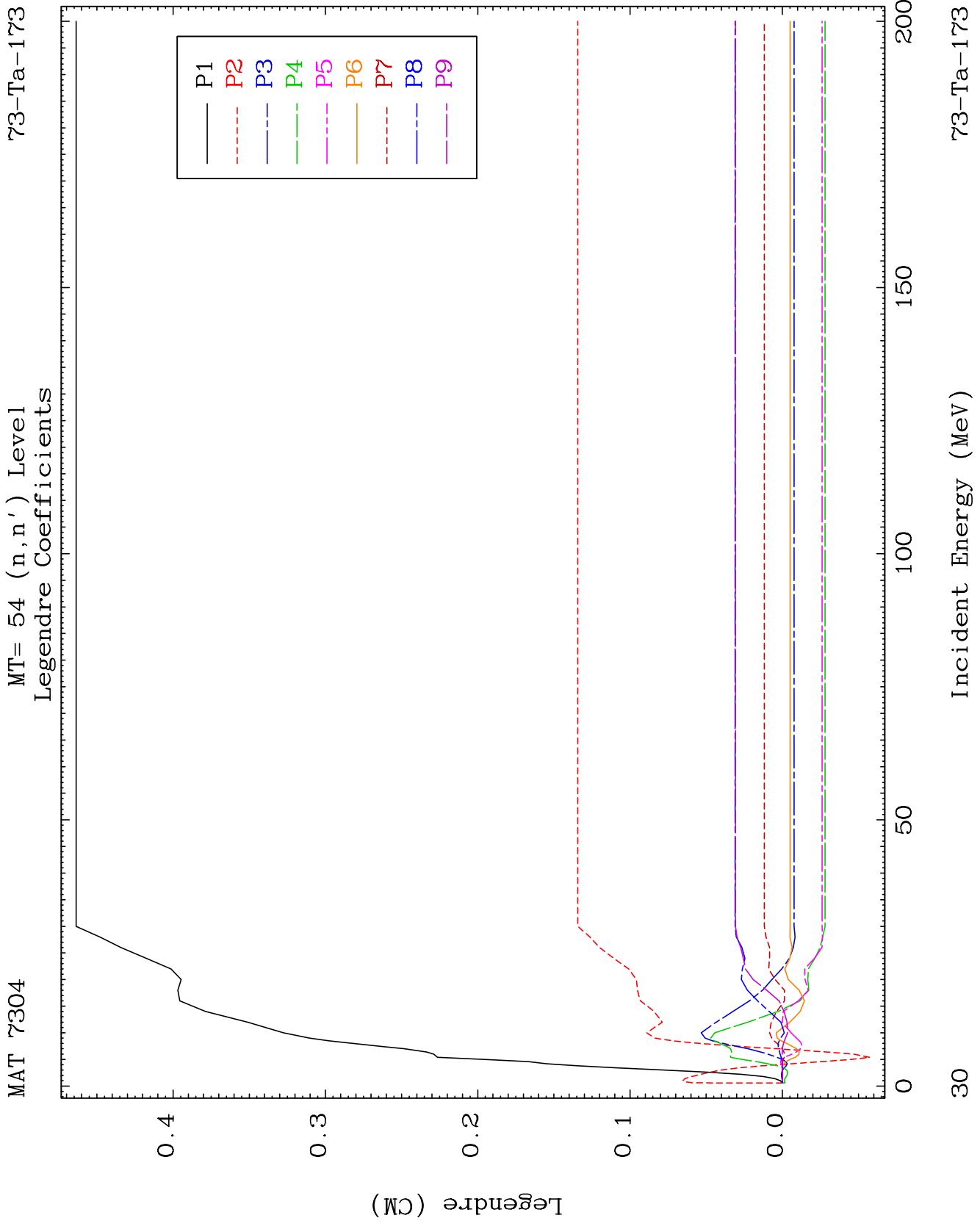
MAT 7304

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

73-Ta-173



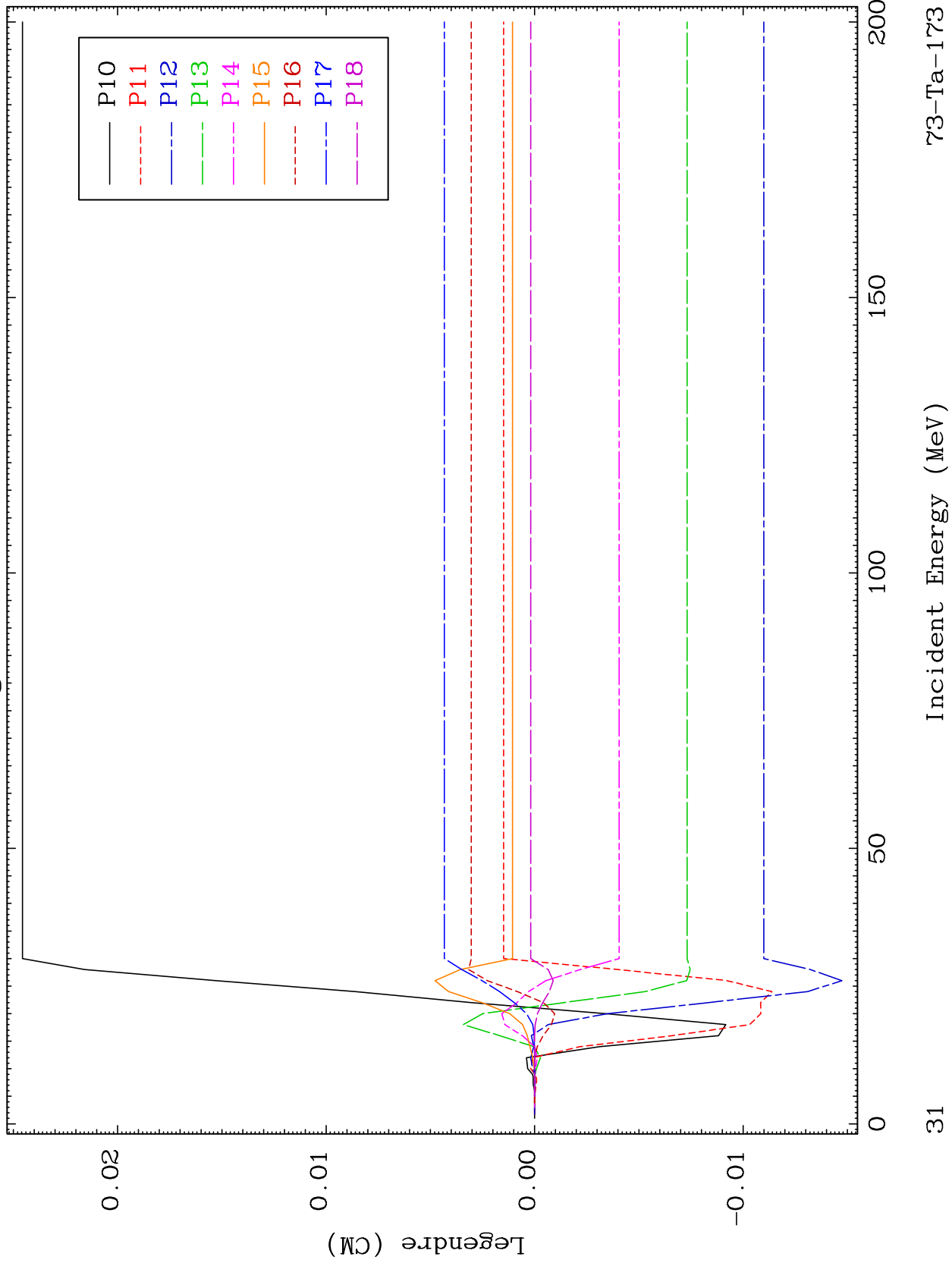
29



MAT 7304

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

73-Ta-173



31

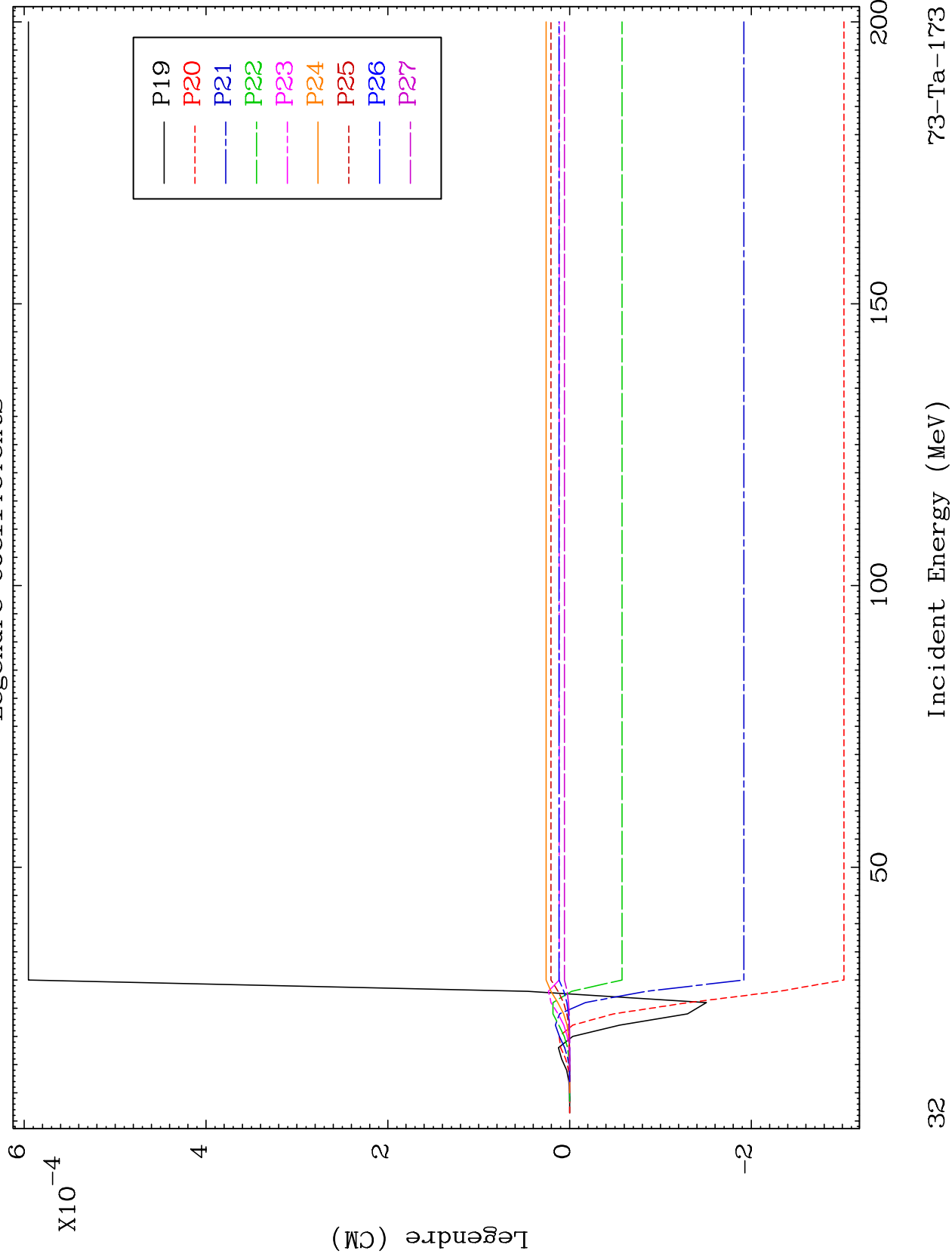
Incident Energy (MeV)

73-Ta-173

MAT 7304

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

73-Ta-173



32

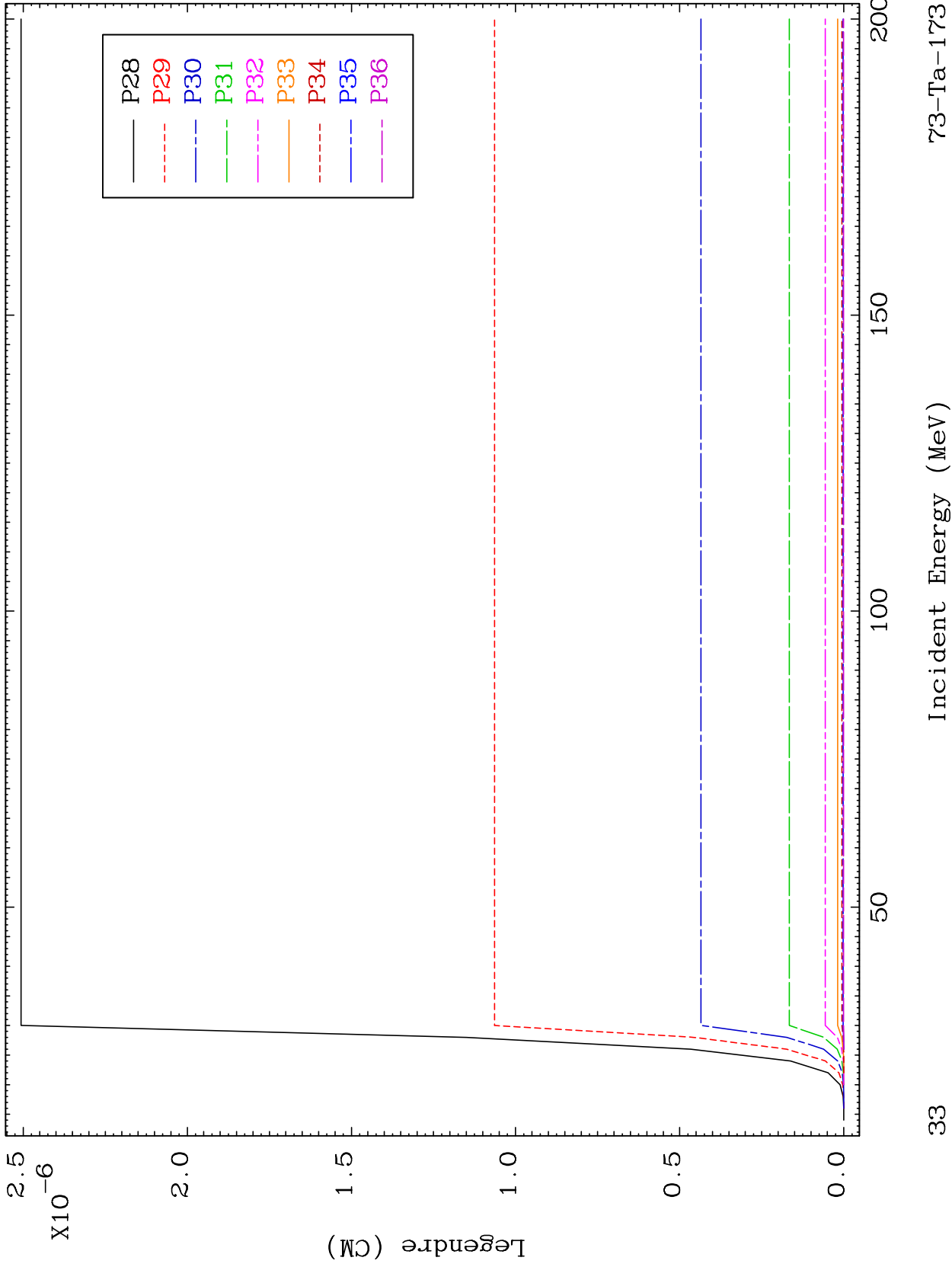
Incident Energy (MeV)

73-Ta-173

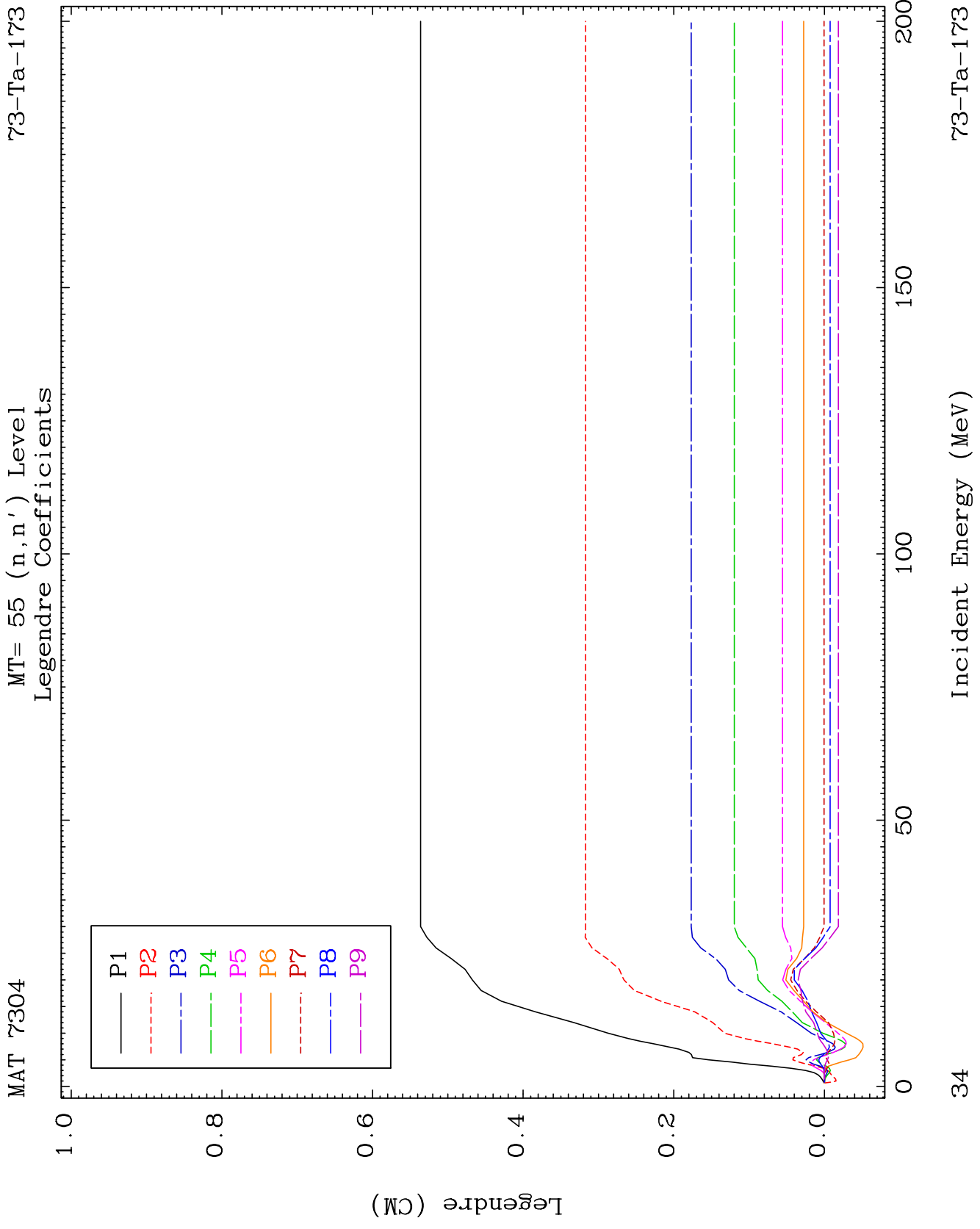
MAT 7304

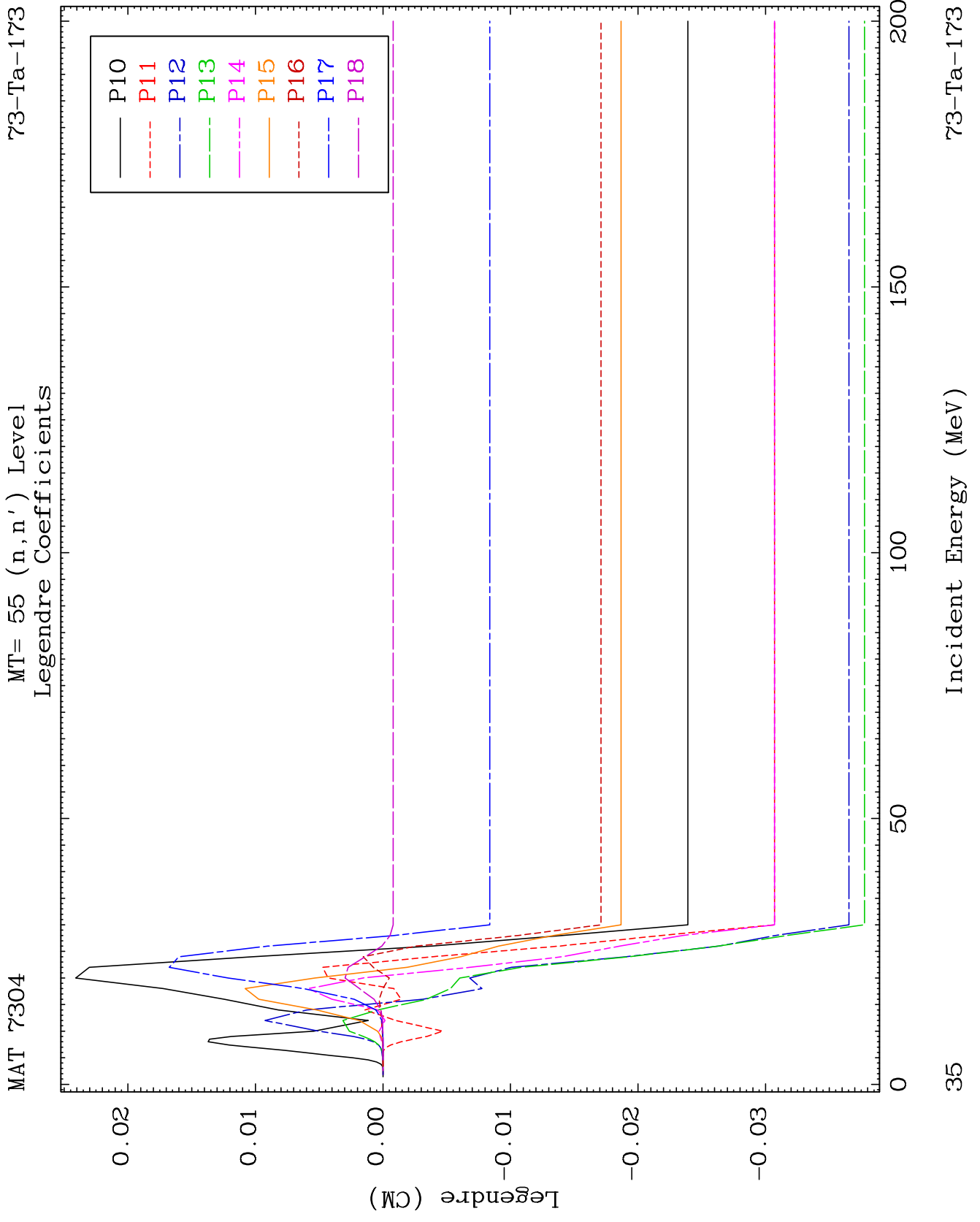
MT= 54 (n,n') Level
Legendre Coefficients

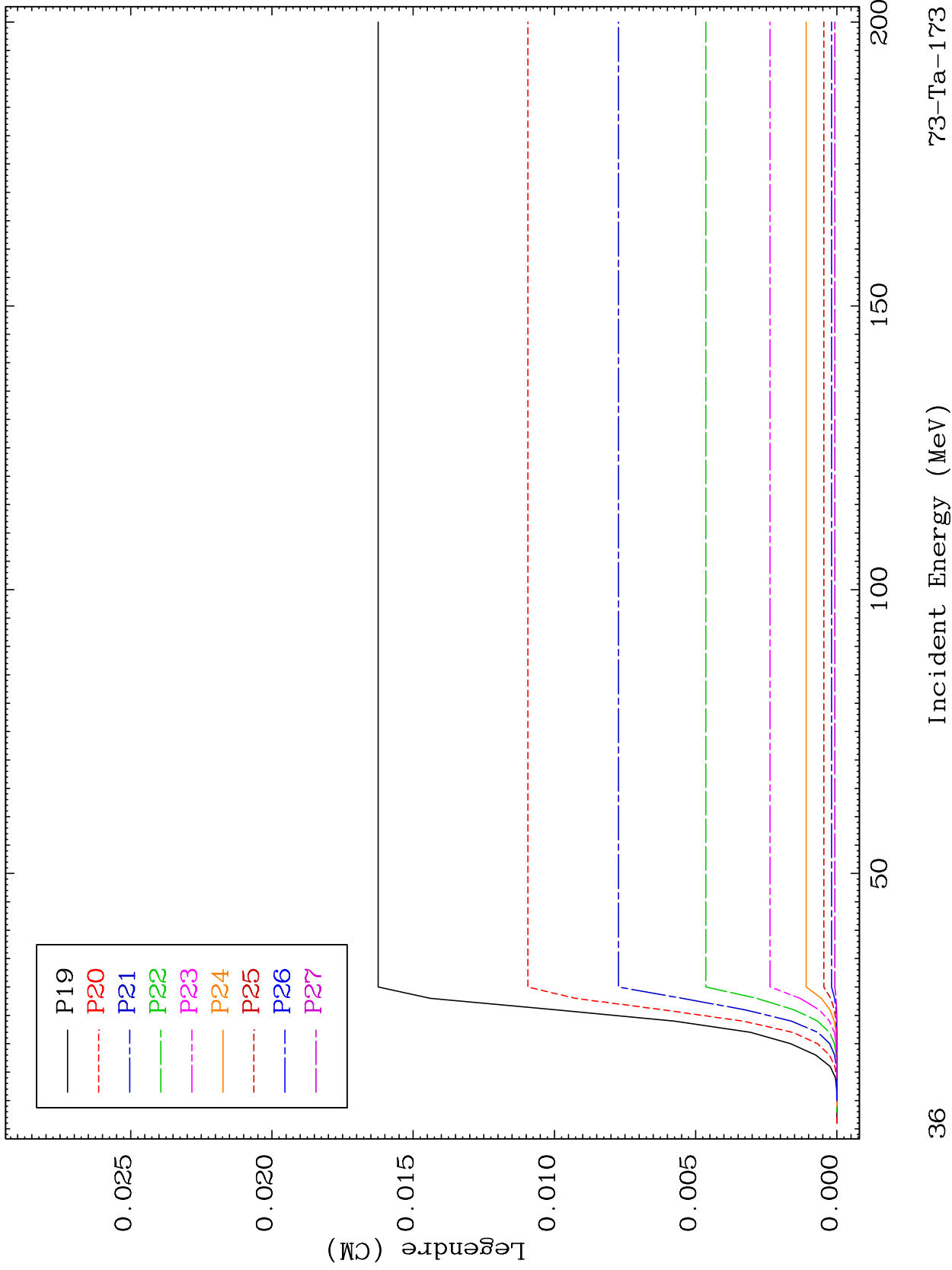
73-Ta-173



33



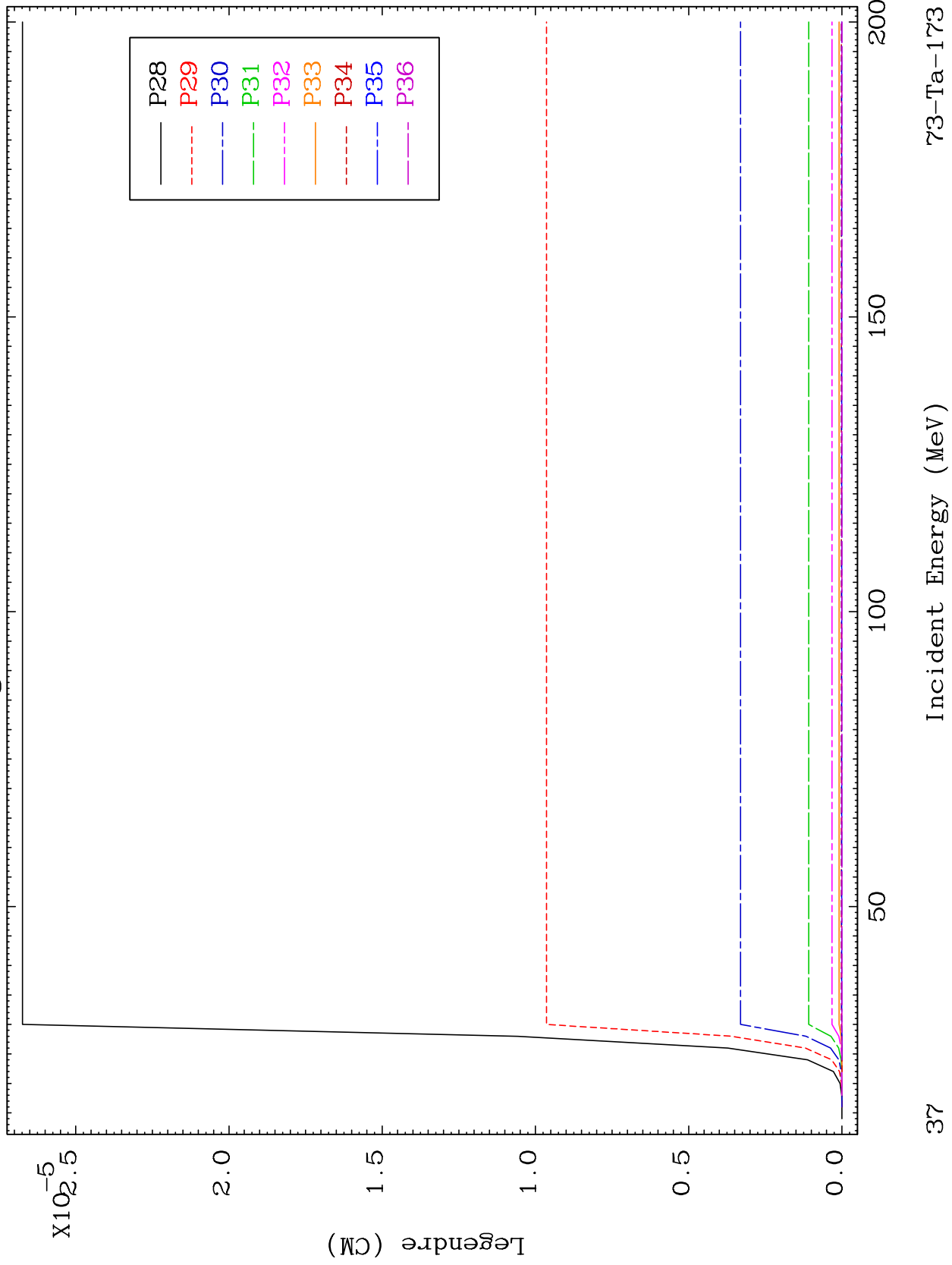


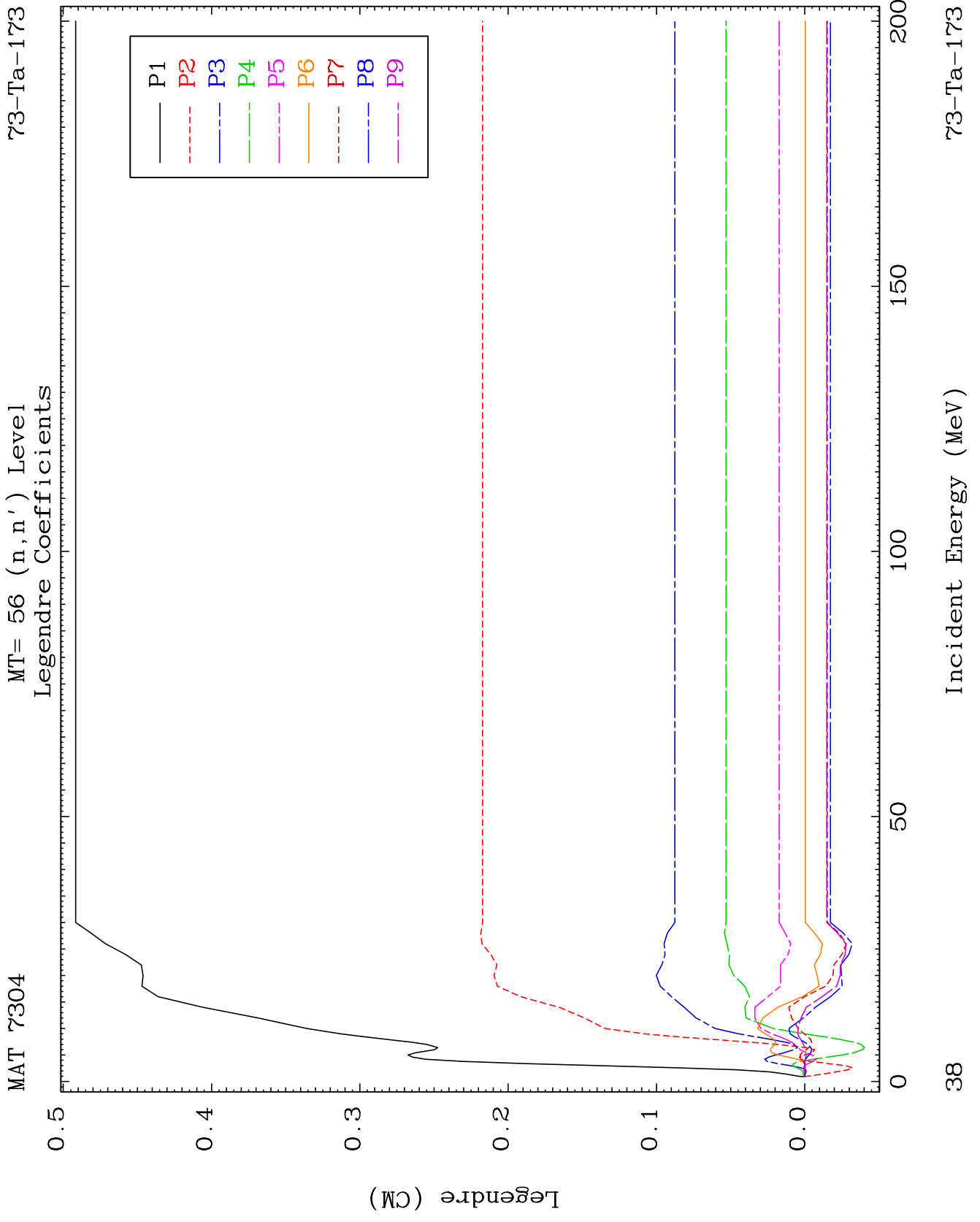


MAT 7304

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

73-Ta-173

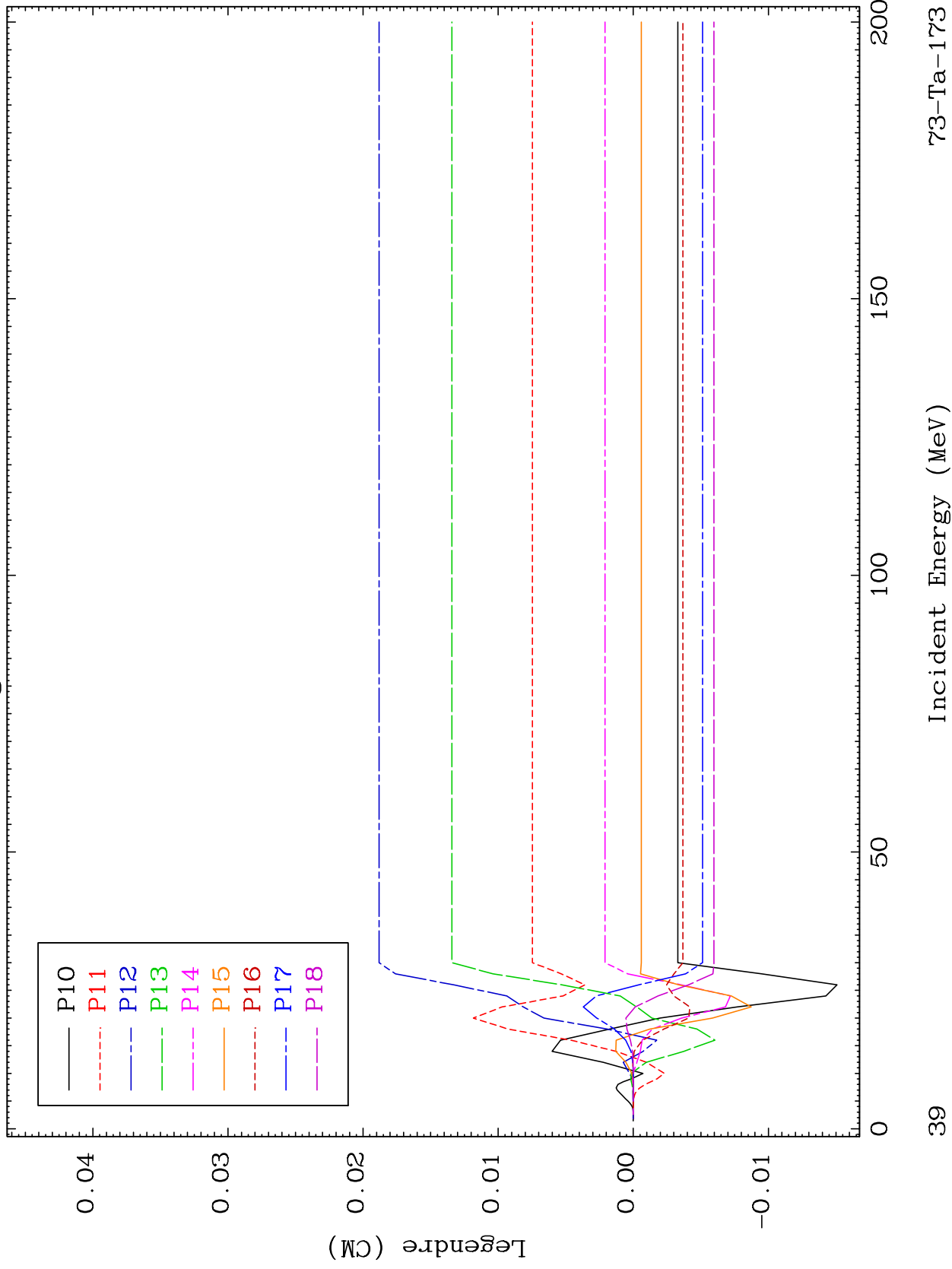




MAT 7304

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

73-Ta-173



39

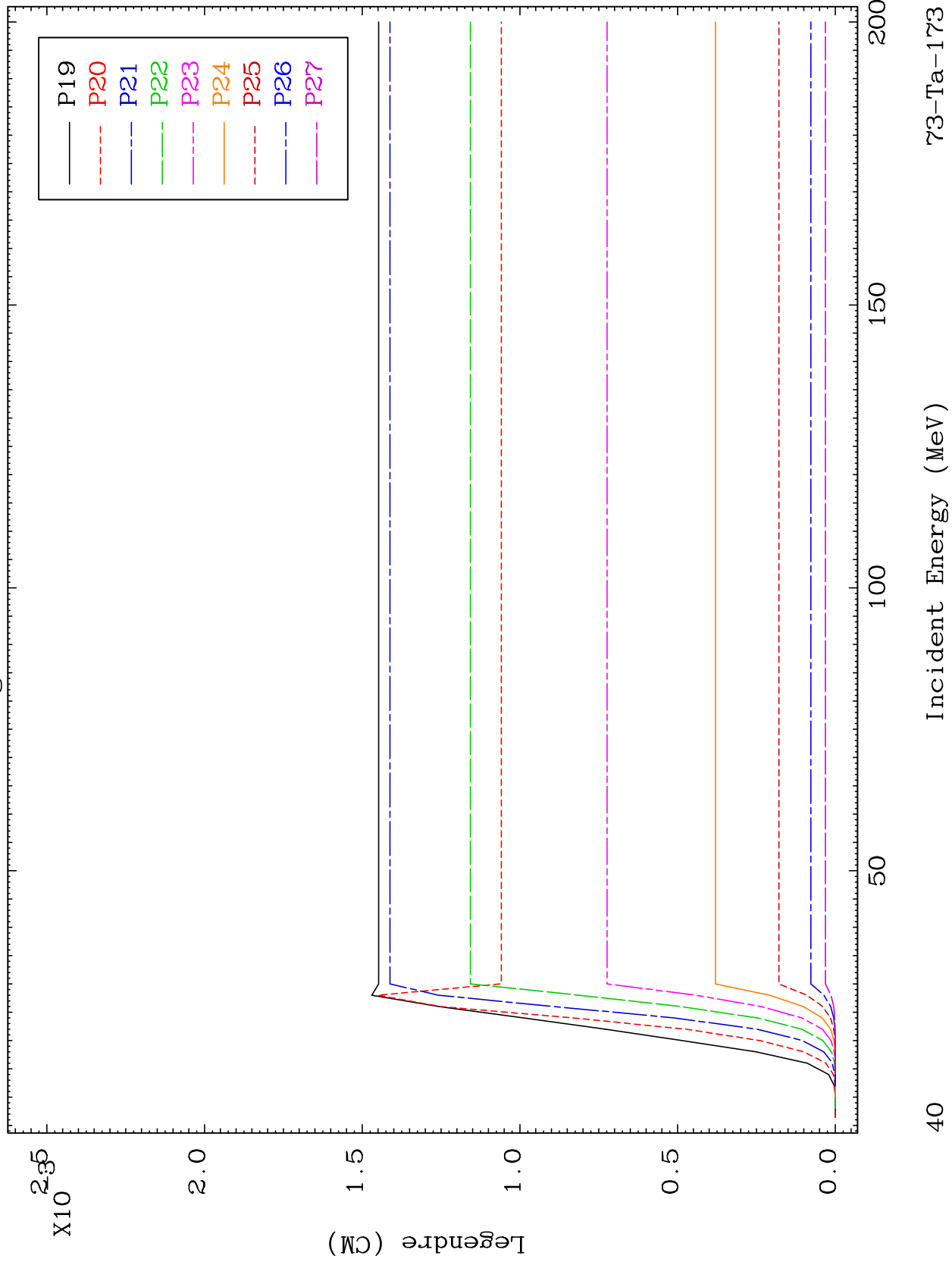
Incident Energy (MeV)

73-Ta-173

MAT 7304

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

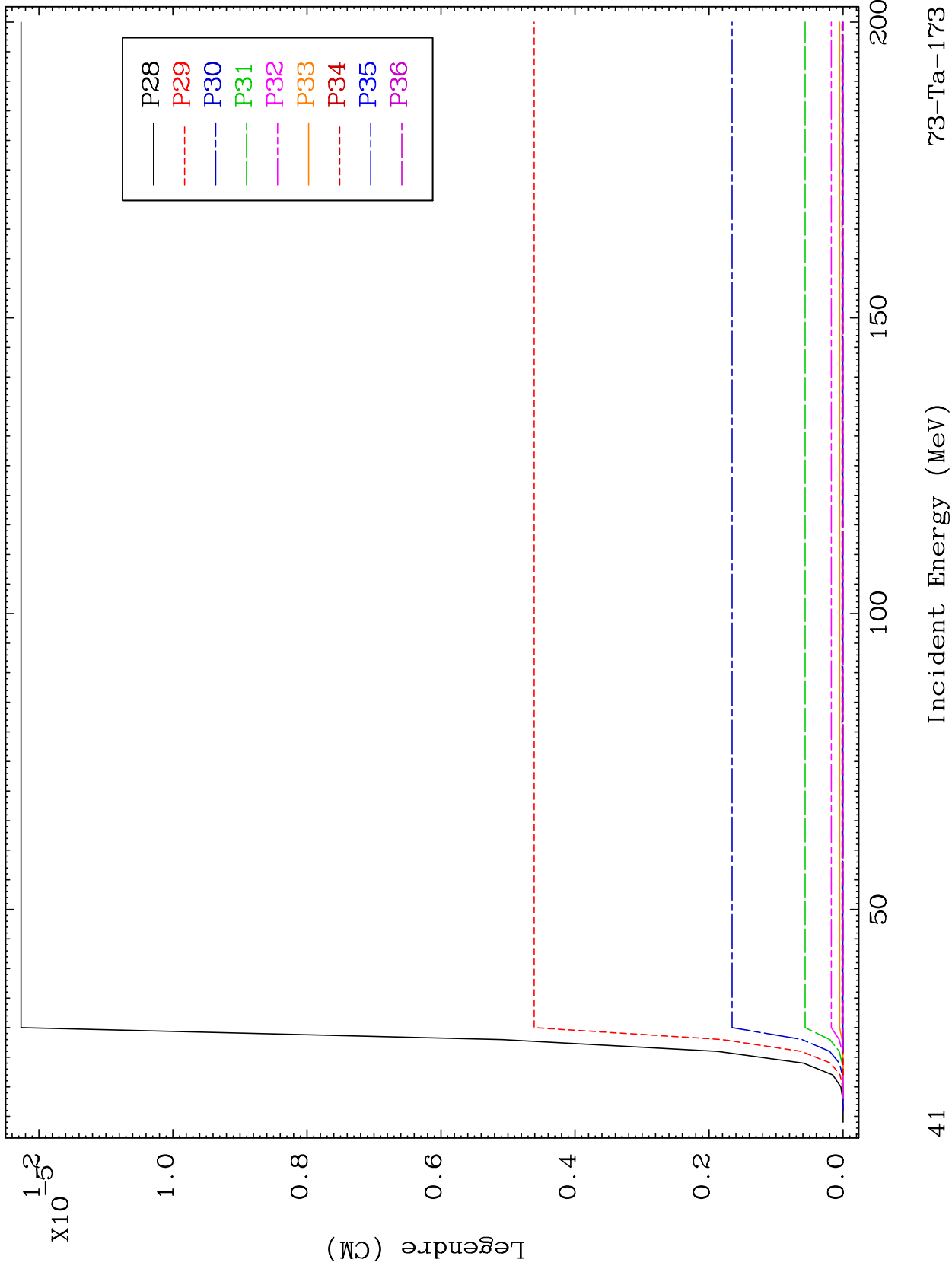
73-Ta-173



MAT 7304

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

73-Ta-173

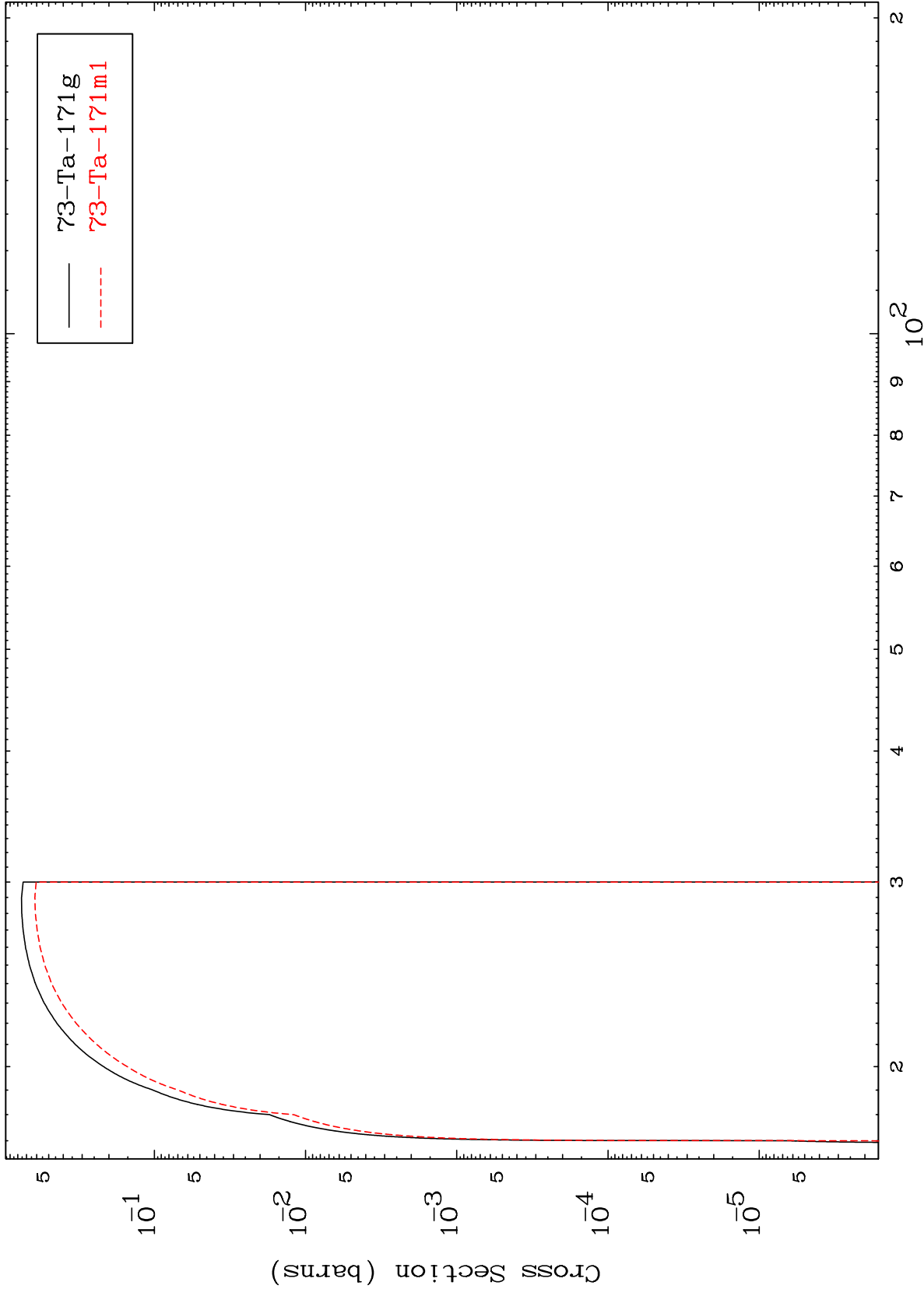


MAT 7304

(n,3n)

⁷³Ta-173

Radionuclide Production Cross Section

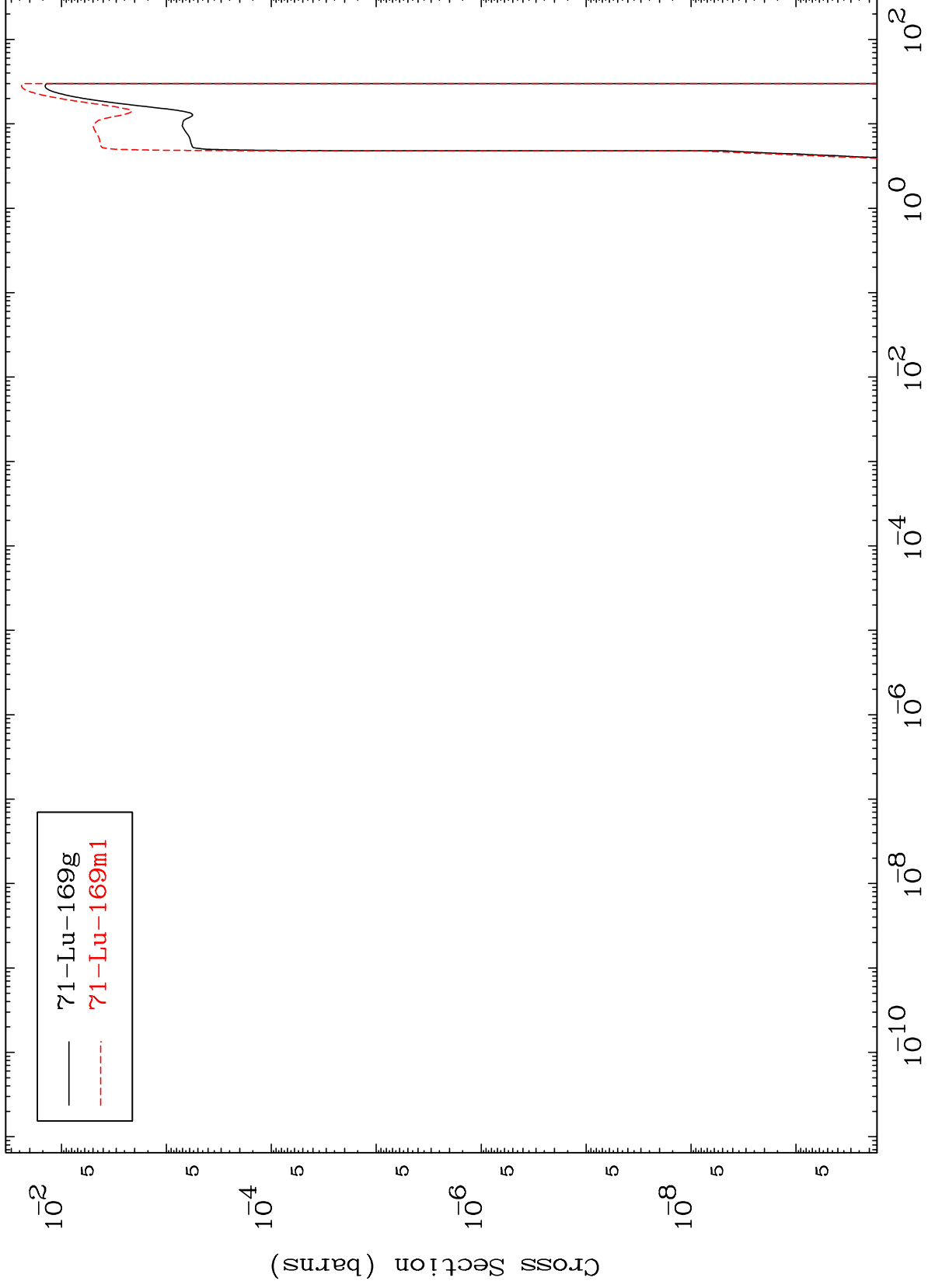


MAT 7304

$(n, n') \alpha$

$^{73}\text{Ta-173}$

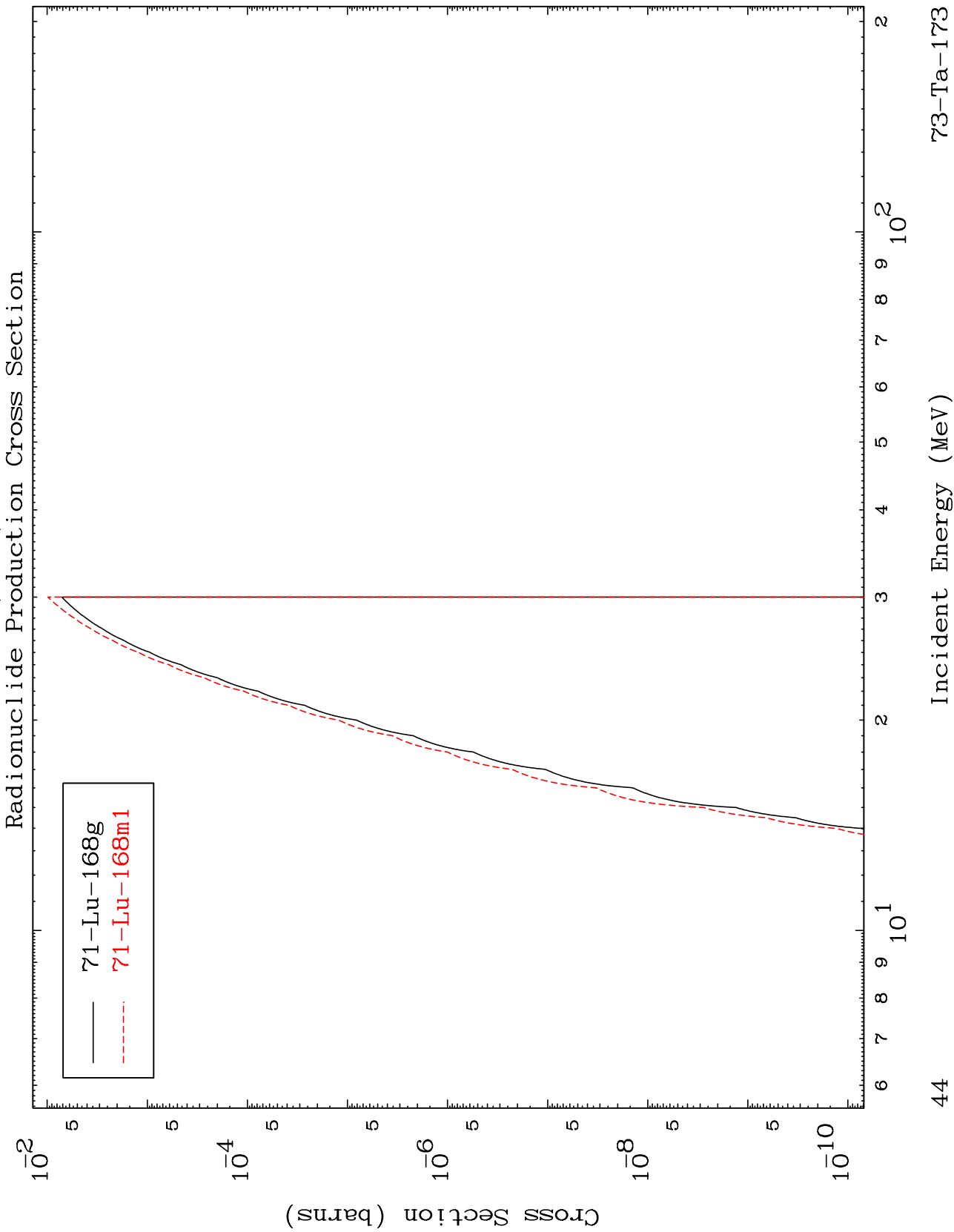
Radionuclide Production Cross Section



MAT 7304

$(n,2n) \alpha$

$^{73}\text{Ta}-173$

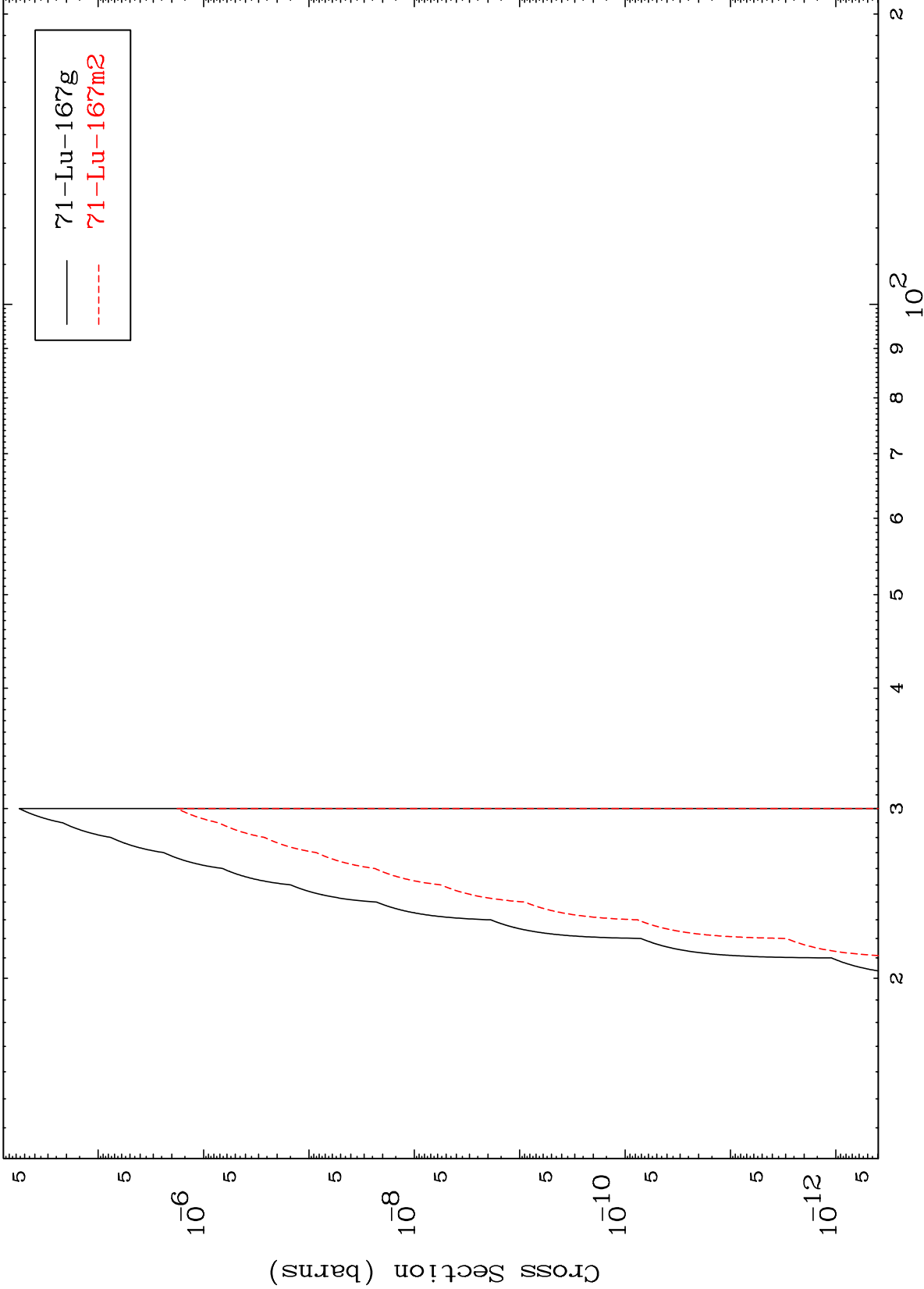


MAT 7304

(n,3n) α

73-Ta-173

Radionuclide Production Cross Section



45

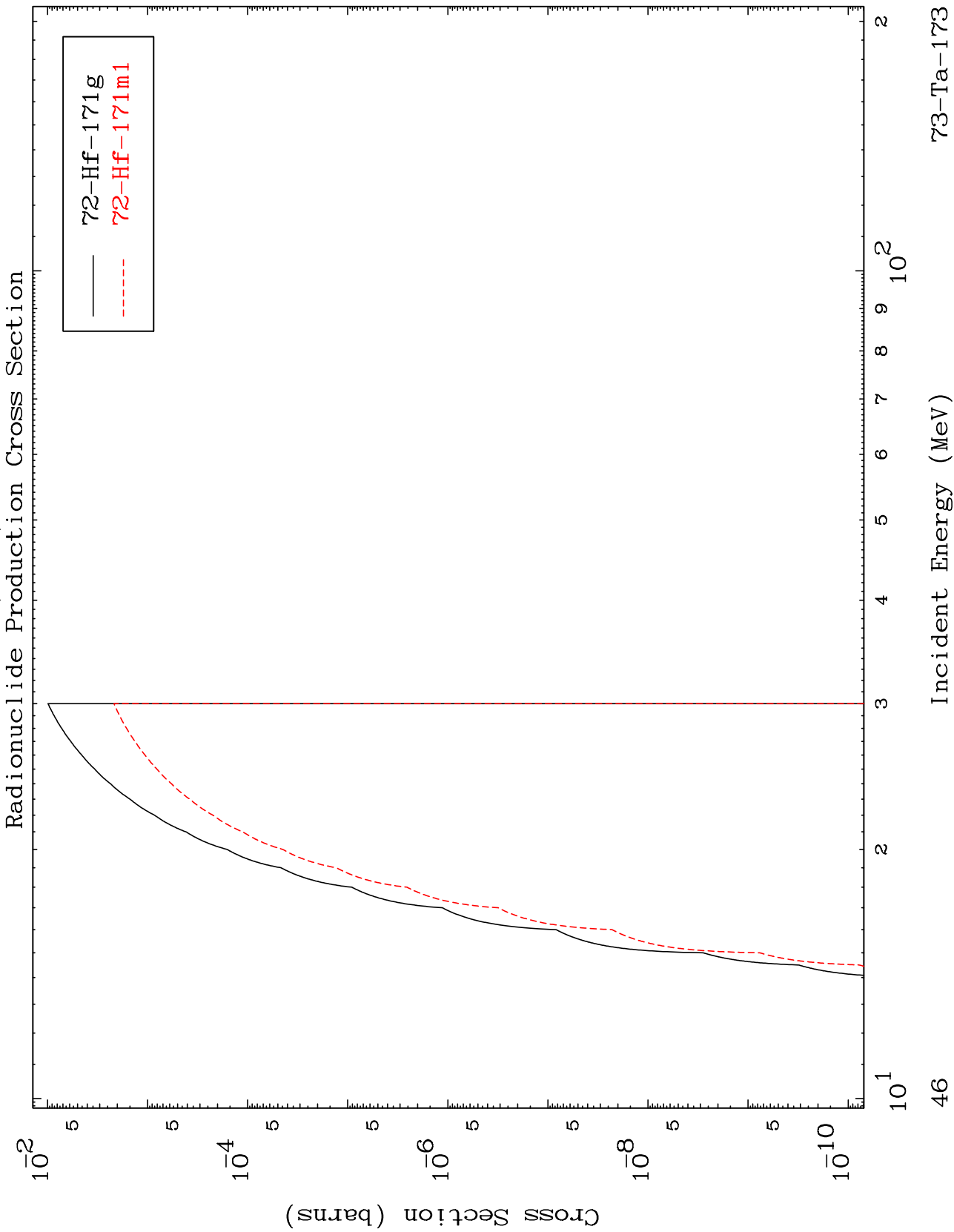
Incident Energy (MeV)

73-Ta-173

MAT 7304

(n,n') d

73-Ta-173



46

Incident Energy (MeV)

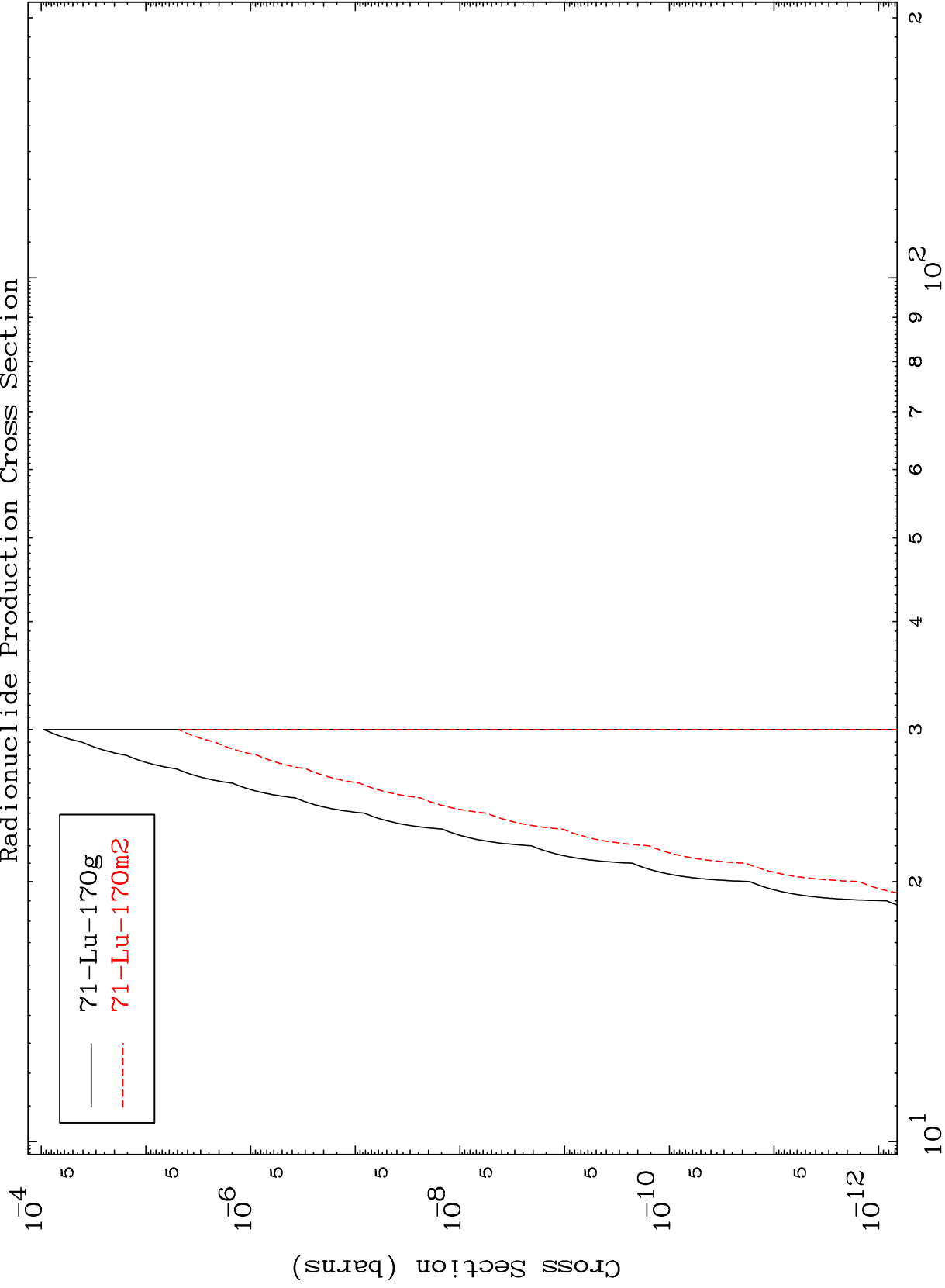
73-Ta-173

MAT 7304

(n,n') He-3

73-Ta-173

Radionuclide Production Cross Section



Incident Energy (MeV)

73-Ta-173

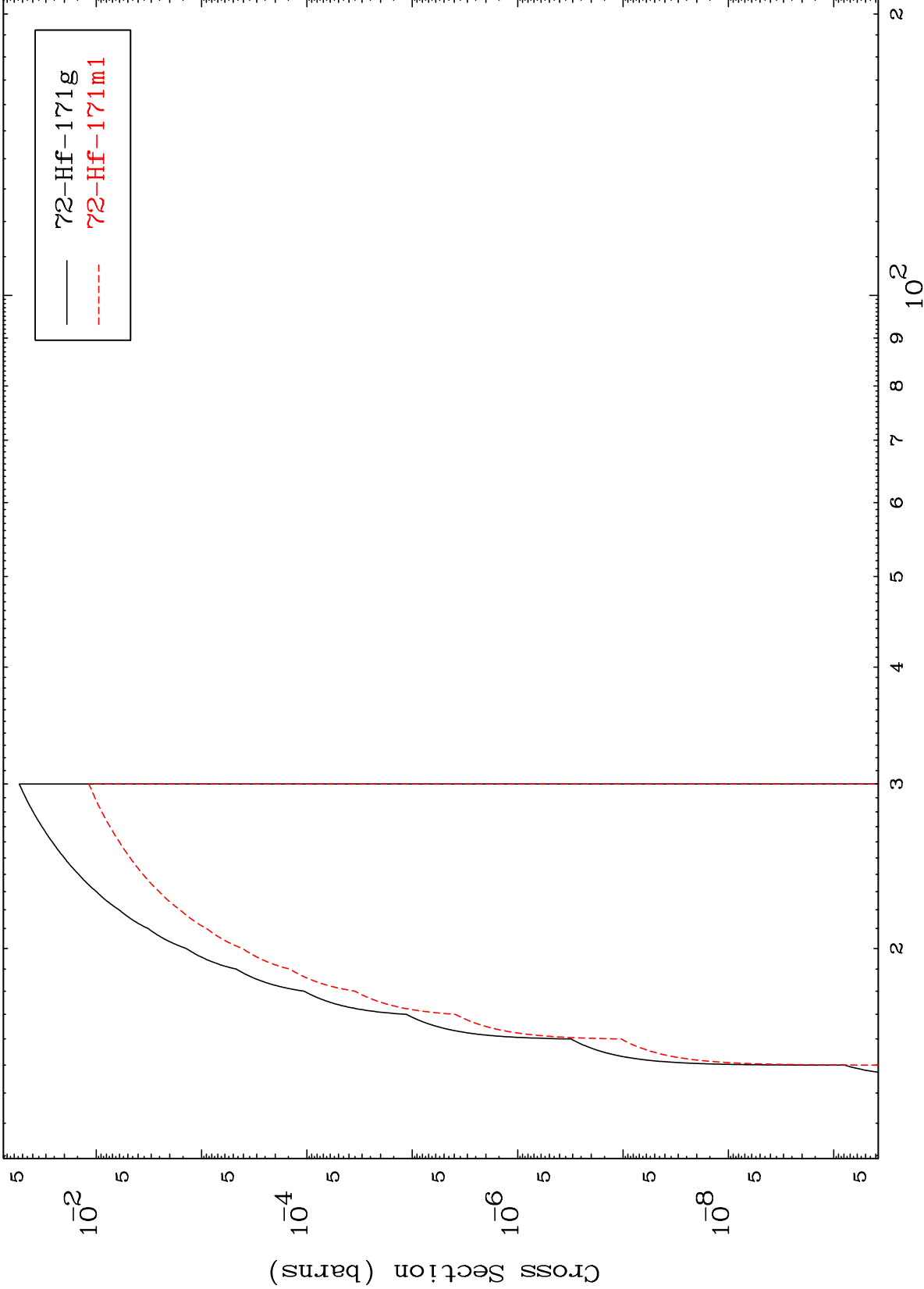
47

MAT 7304

(n,2n) p

73-Ta-173

Radionuclide Production Cross Section



72-Hf-171g
72-Hf-171m1

48

Incident Energy (MeV)

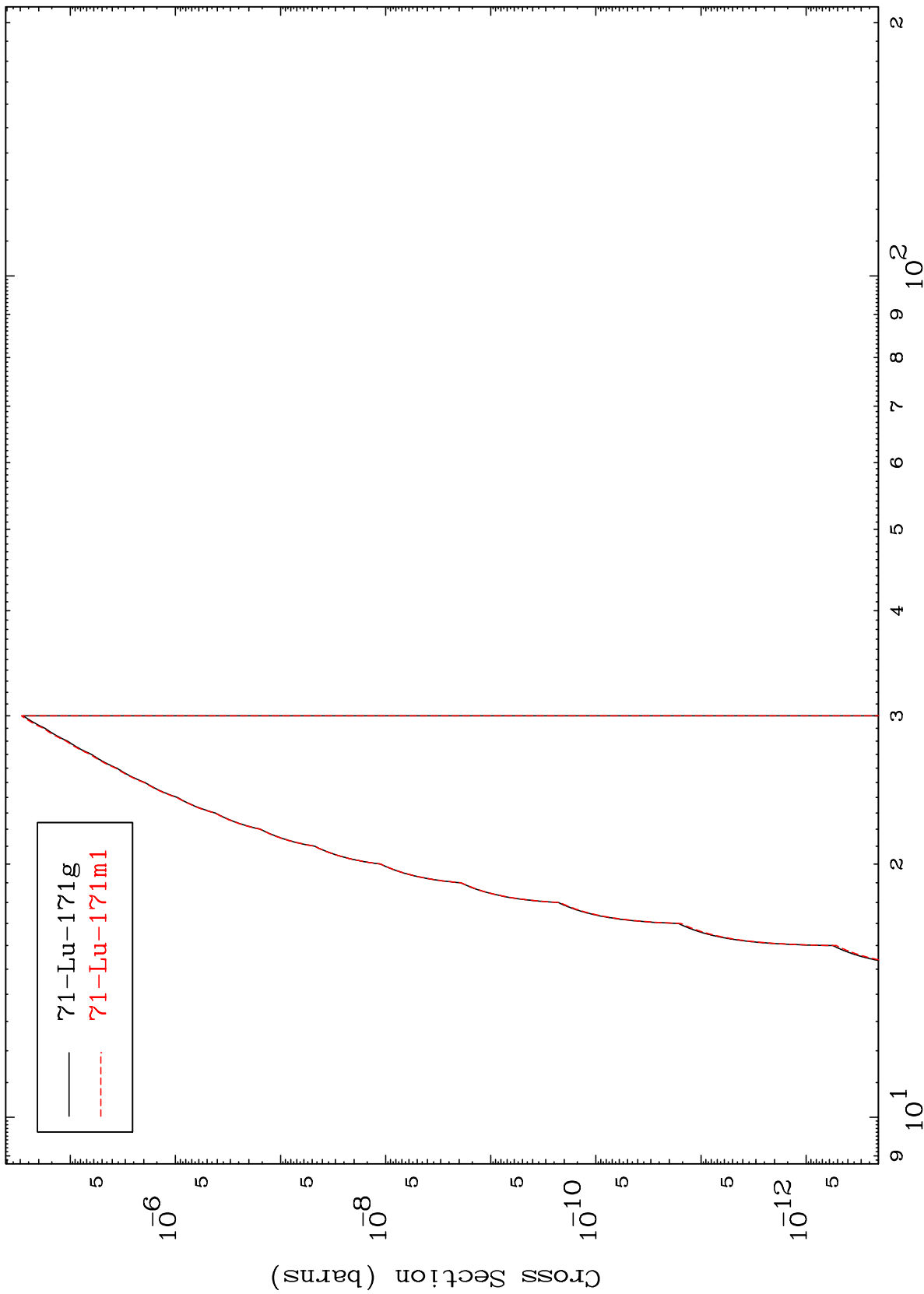
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MAT 7304

(n,2n) p

73-Ta-173

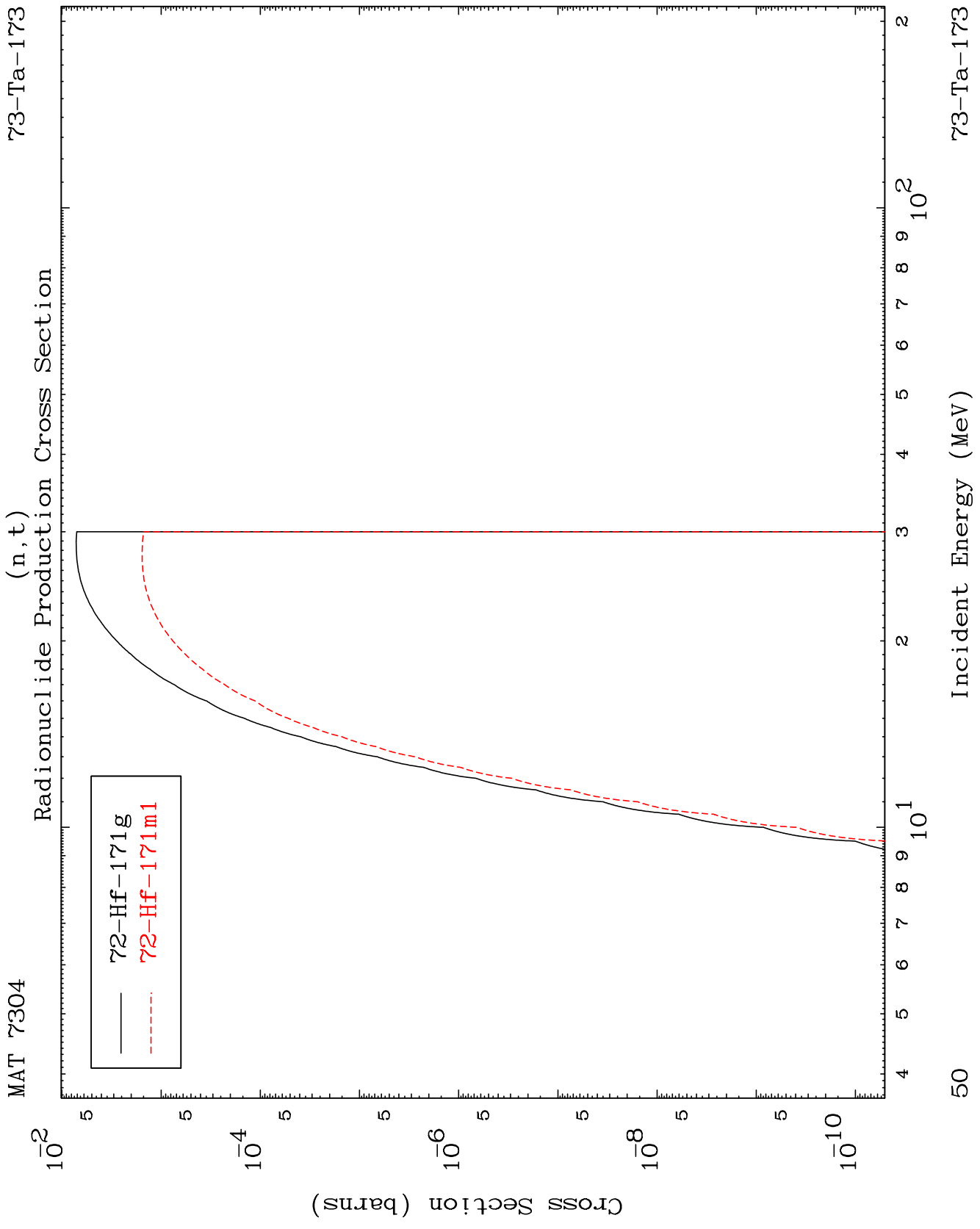
Radionuclide Production Cross Section



49

Incident Energy (MeV)

73-Ta-173

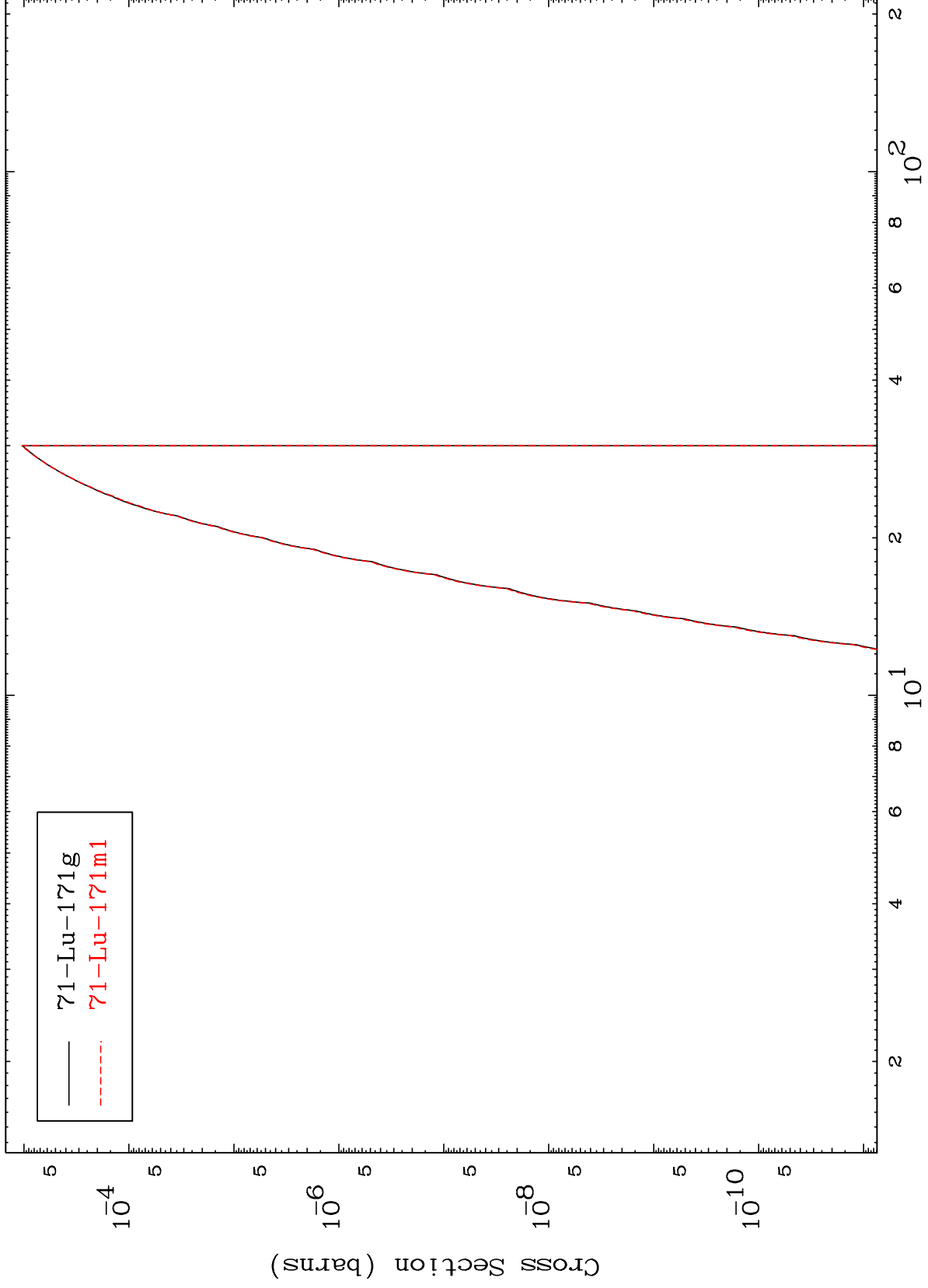


MAT 7304

(n,He-3)

73-Ta-173

Radionuclide Production Cross Section

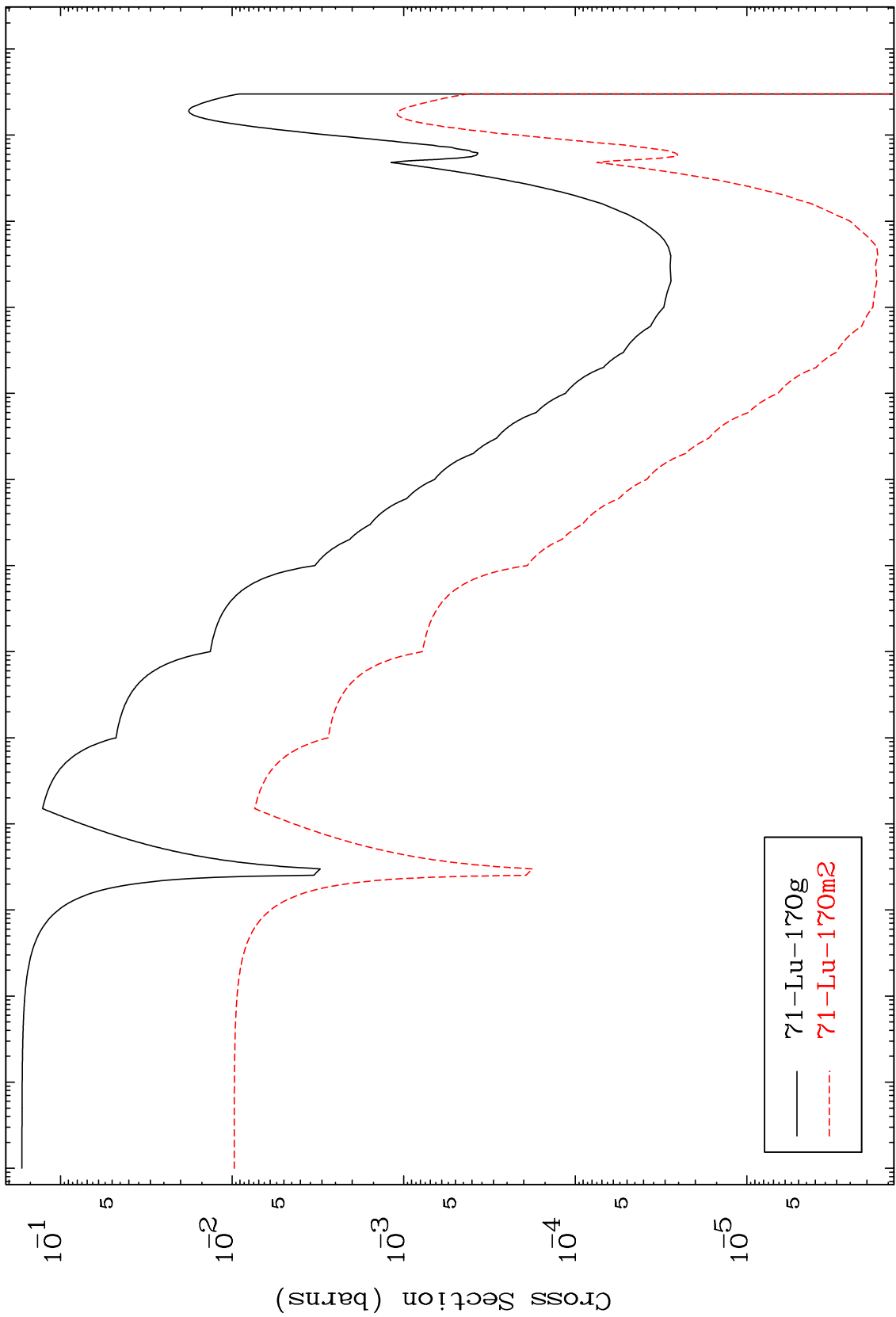


MAT 7304

73-Ta-173

Radionuclide Production Cross Section

(n, α)



73-Ta-173

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

10⁻⁵

10⁻¹

Incident Energy (MeV)

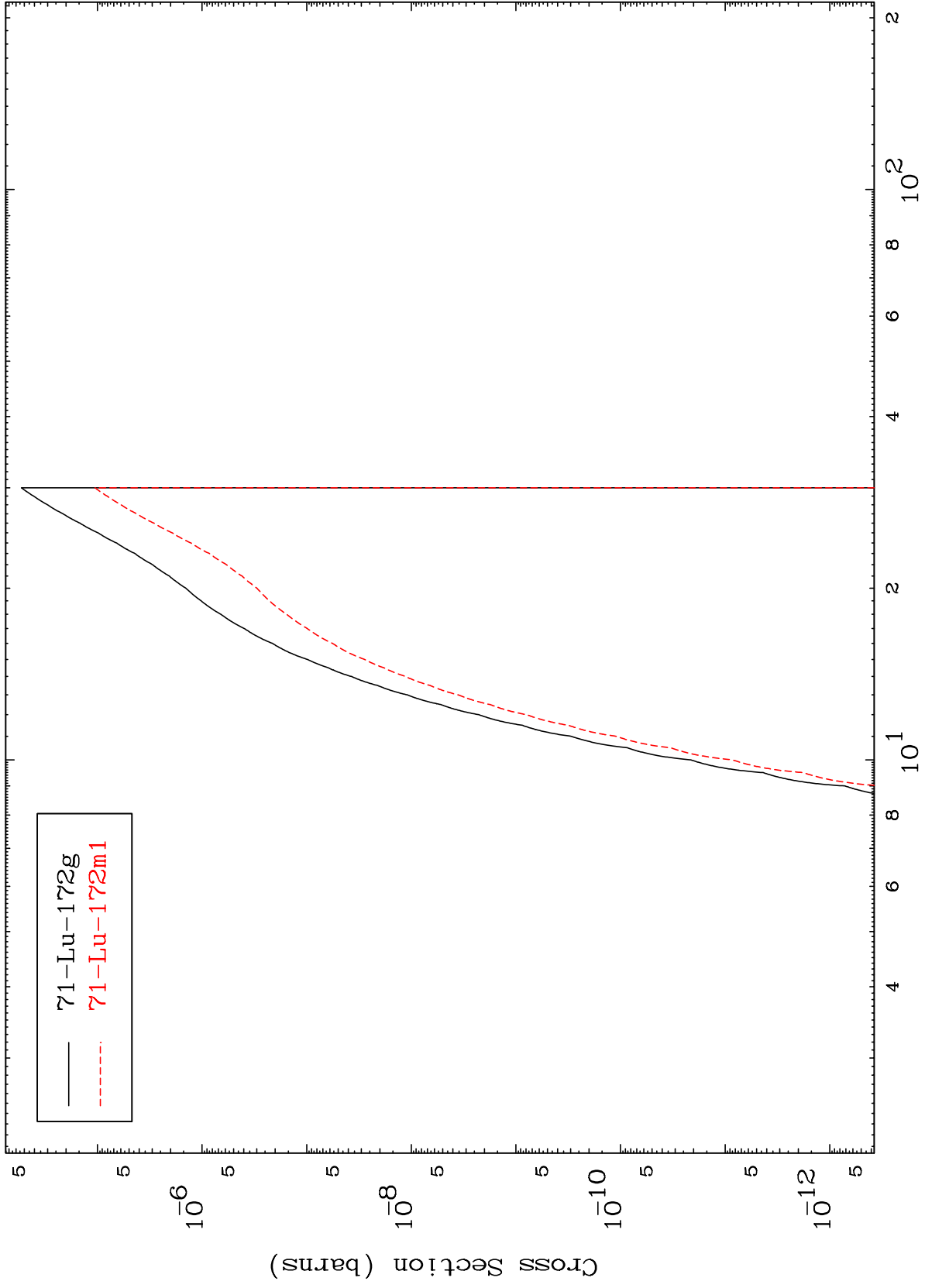
73-Ta-173

52

MAT 7304

73-Ta-173

(n,2p)
Radionuclide Production Cross Section



— 71-Lu-172g
- - - 71-Lu-172m1

Incident Energy (MeV)

73-Ta-173

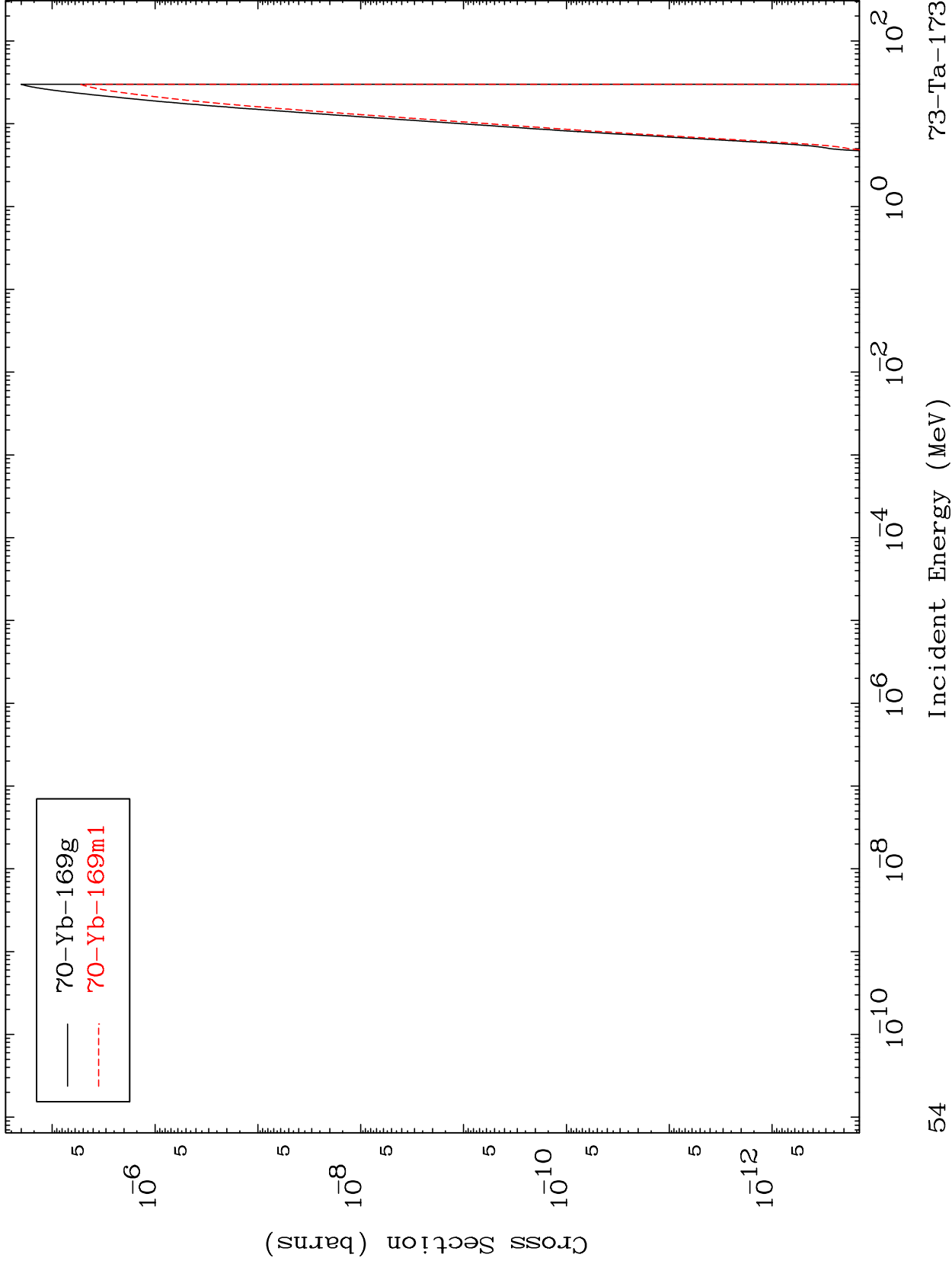
53

MAT 7304

(n,p) α

$^{73}\text{Ta-173}$

Radionuclide Production Cross Section

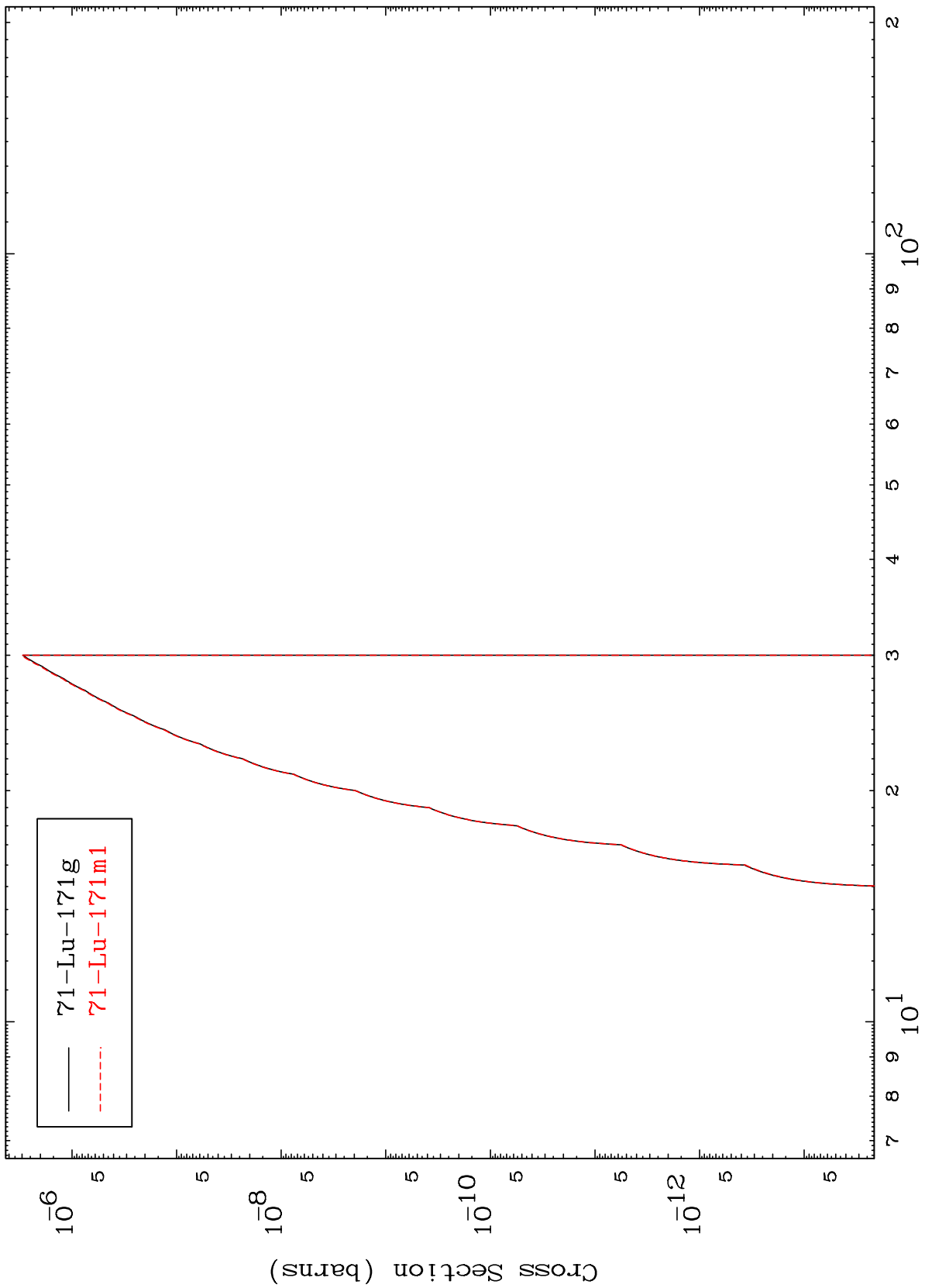


MAT 7304

(n,p) d

73-Ta-173

Radionuclide Production Cross Section



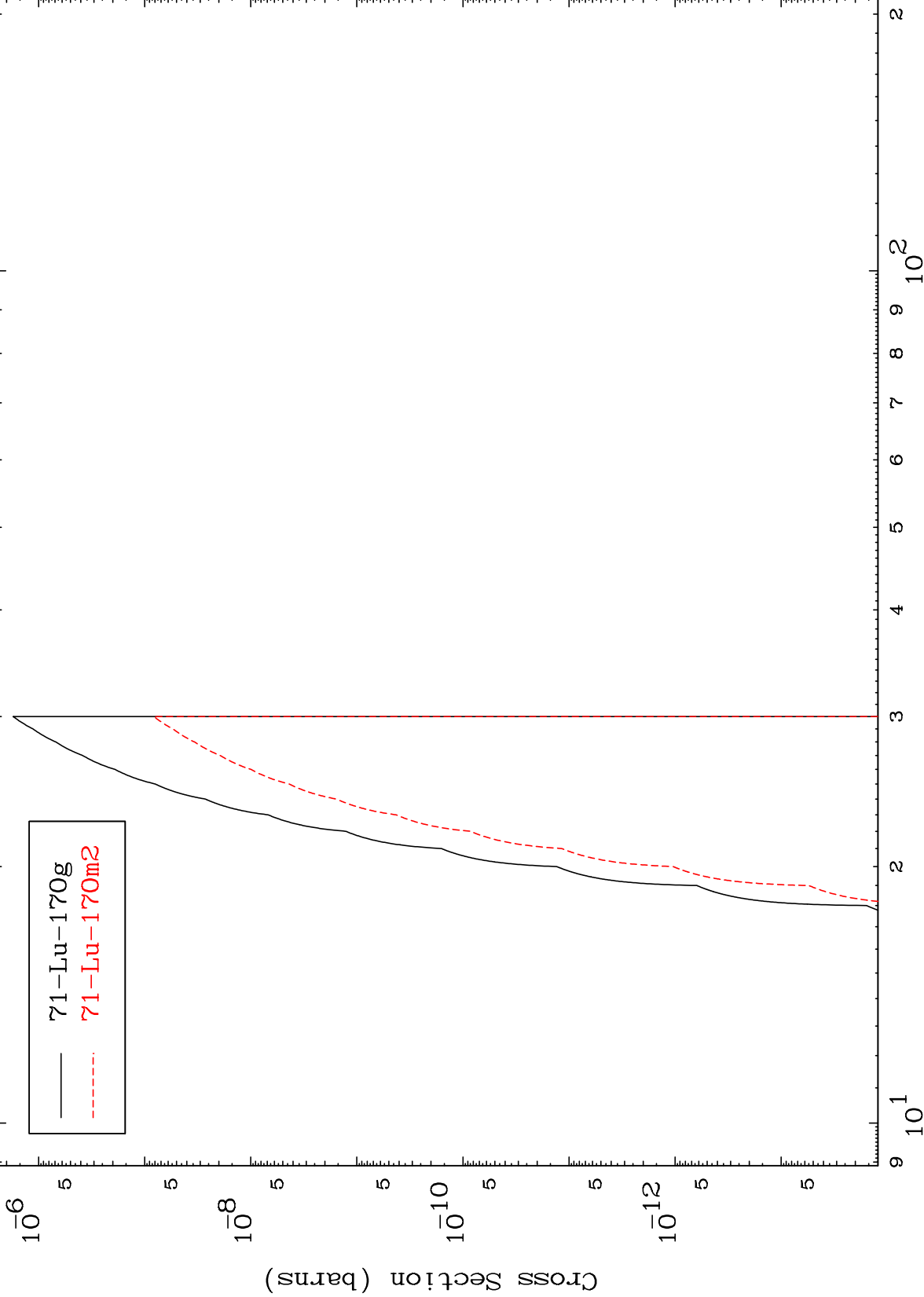
71-Lu-171g
71-Lu-171m1

MAT 7304

(n,p) t

⁷³Ta-173

Radionuclide Production Cross Section



56

Incident Energy (MeV)

⁷³Ta-173