

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

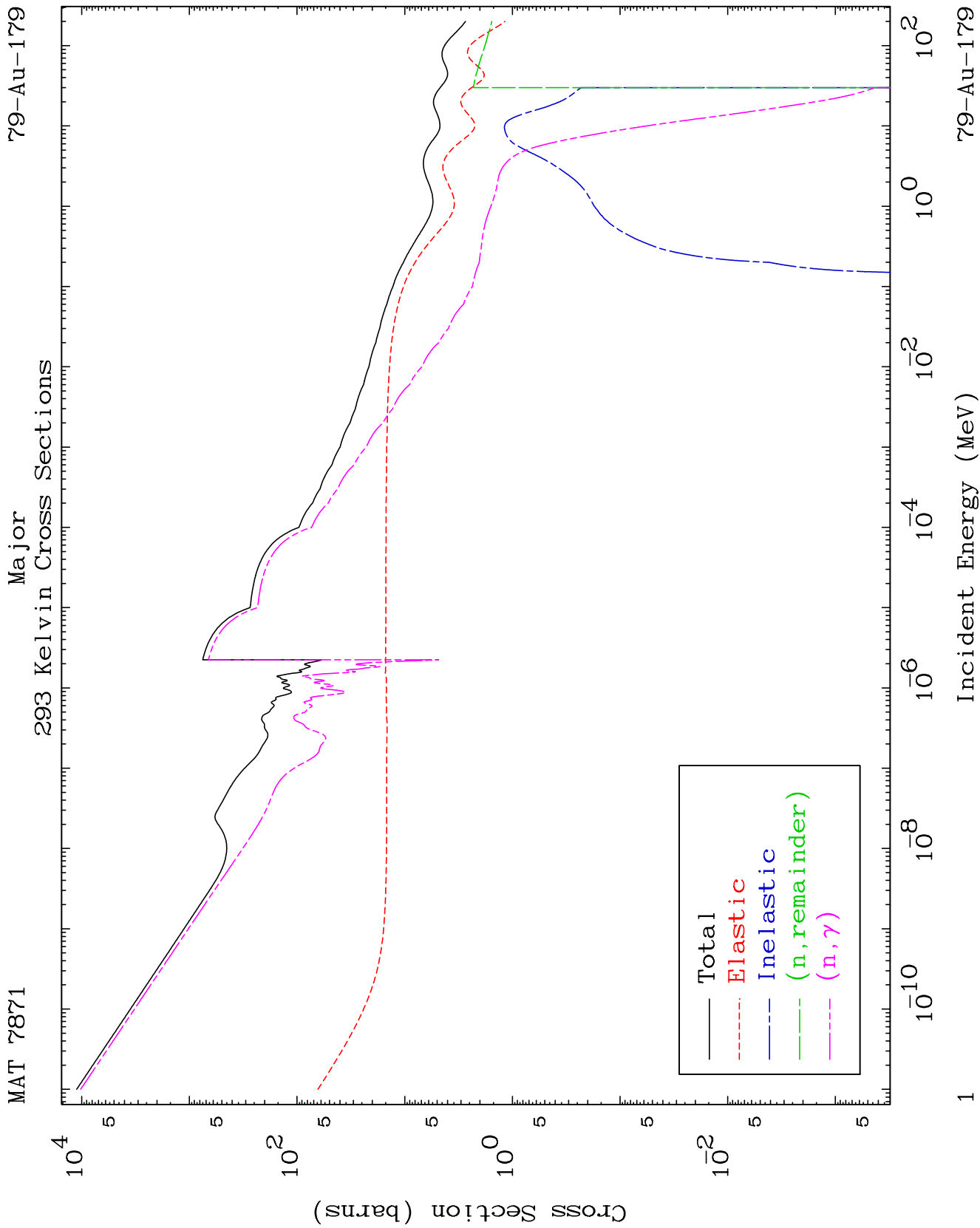
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E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

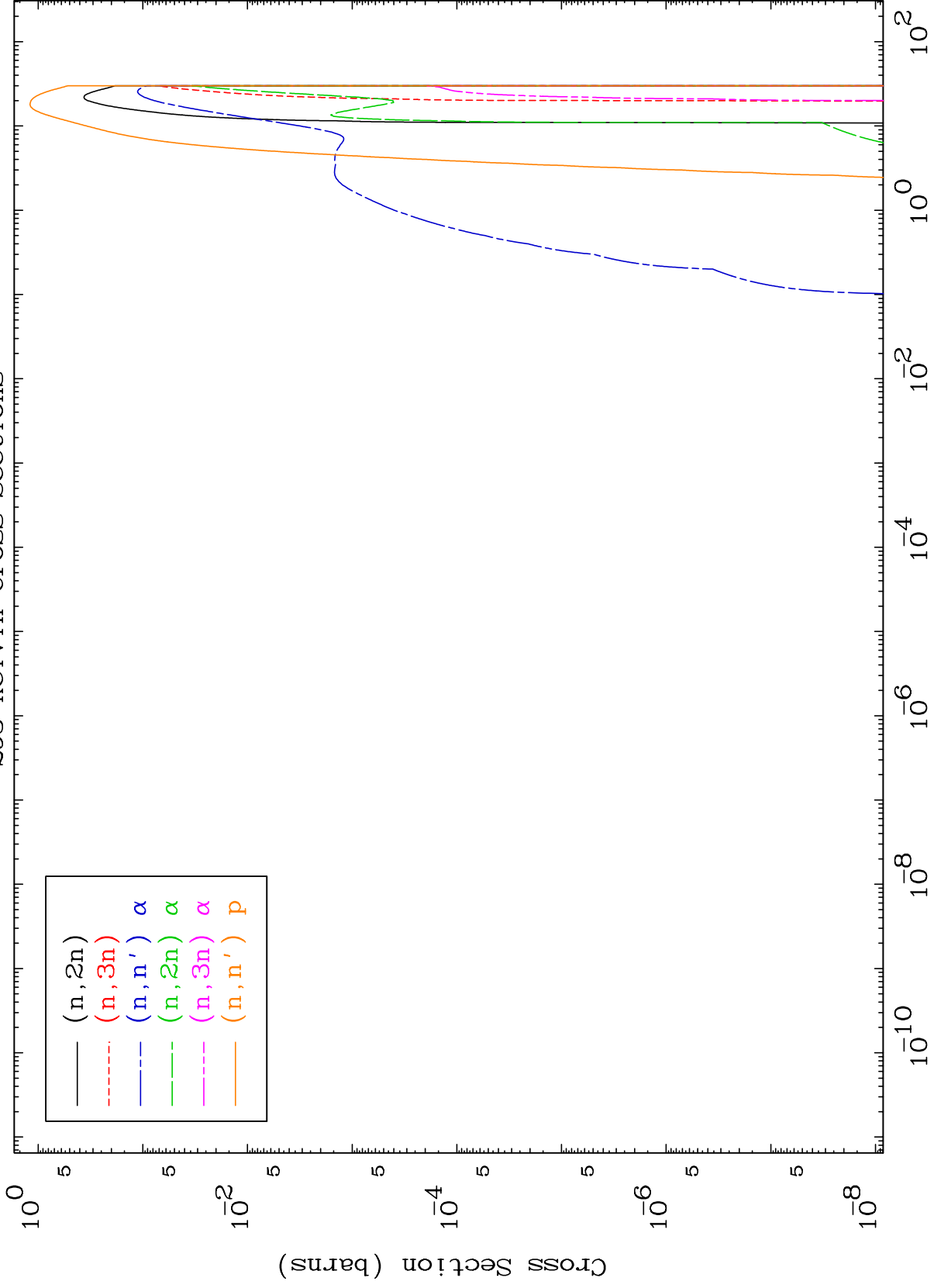
Press Mouse Button to Start



MAT 7871

Neutron Production
293 Kelvin Cross Sections

79-Au-179



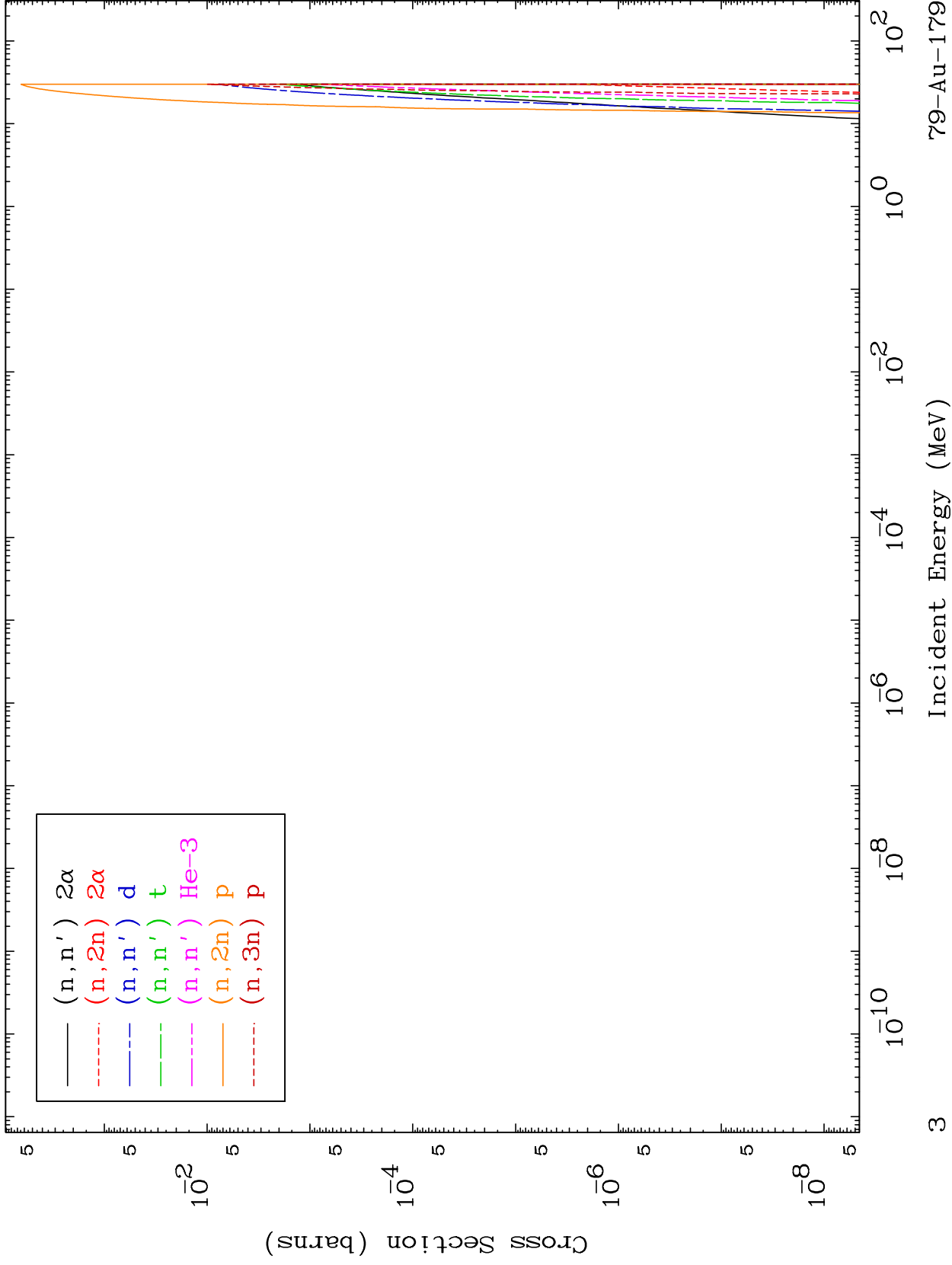
79-Au-179

Incident Energy (MeV)

MAT 7871

Neutron Production
293 Kelvin Cross Sections

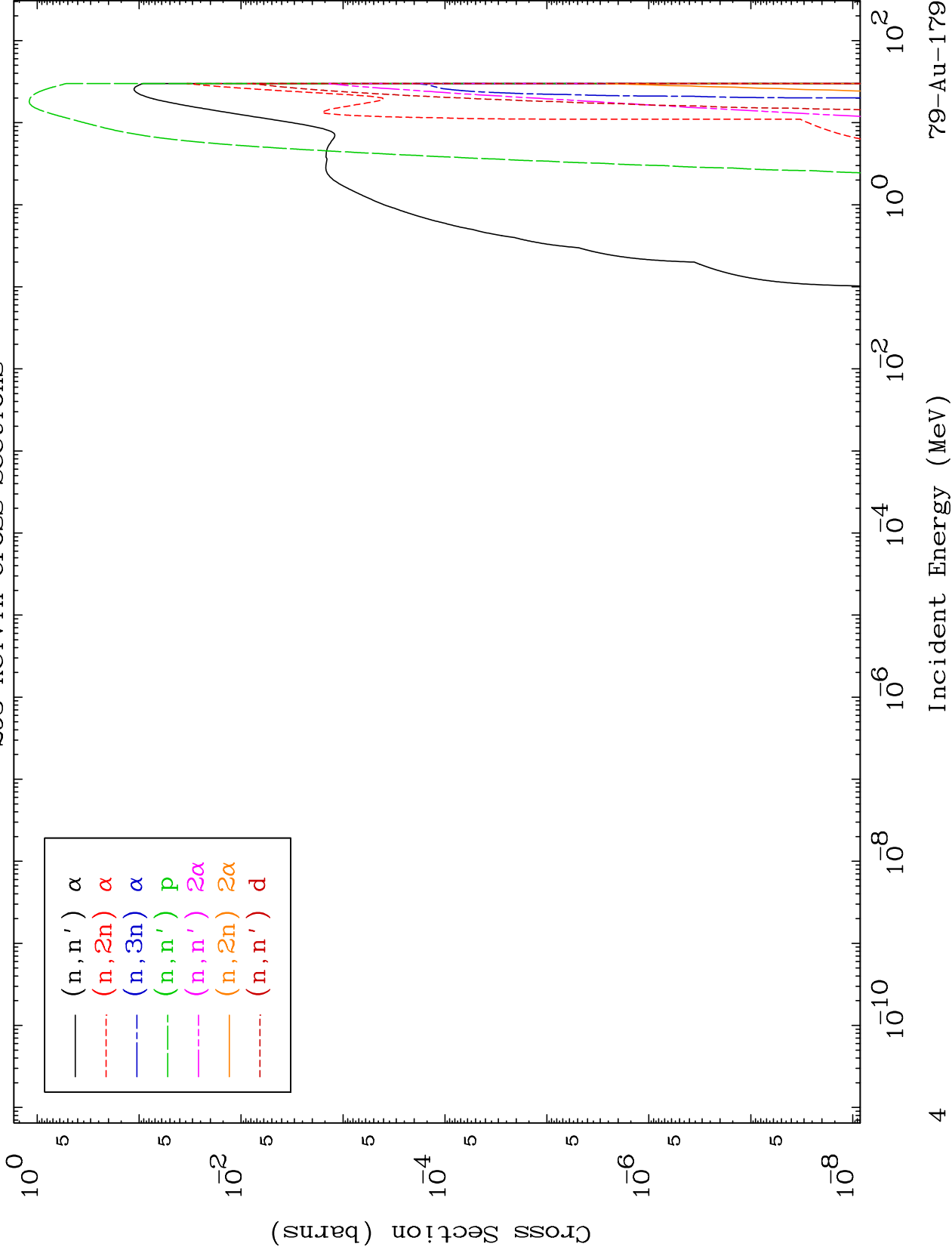
79-Au-179



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Charged Particle
293 Kelvin Cross Sections

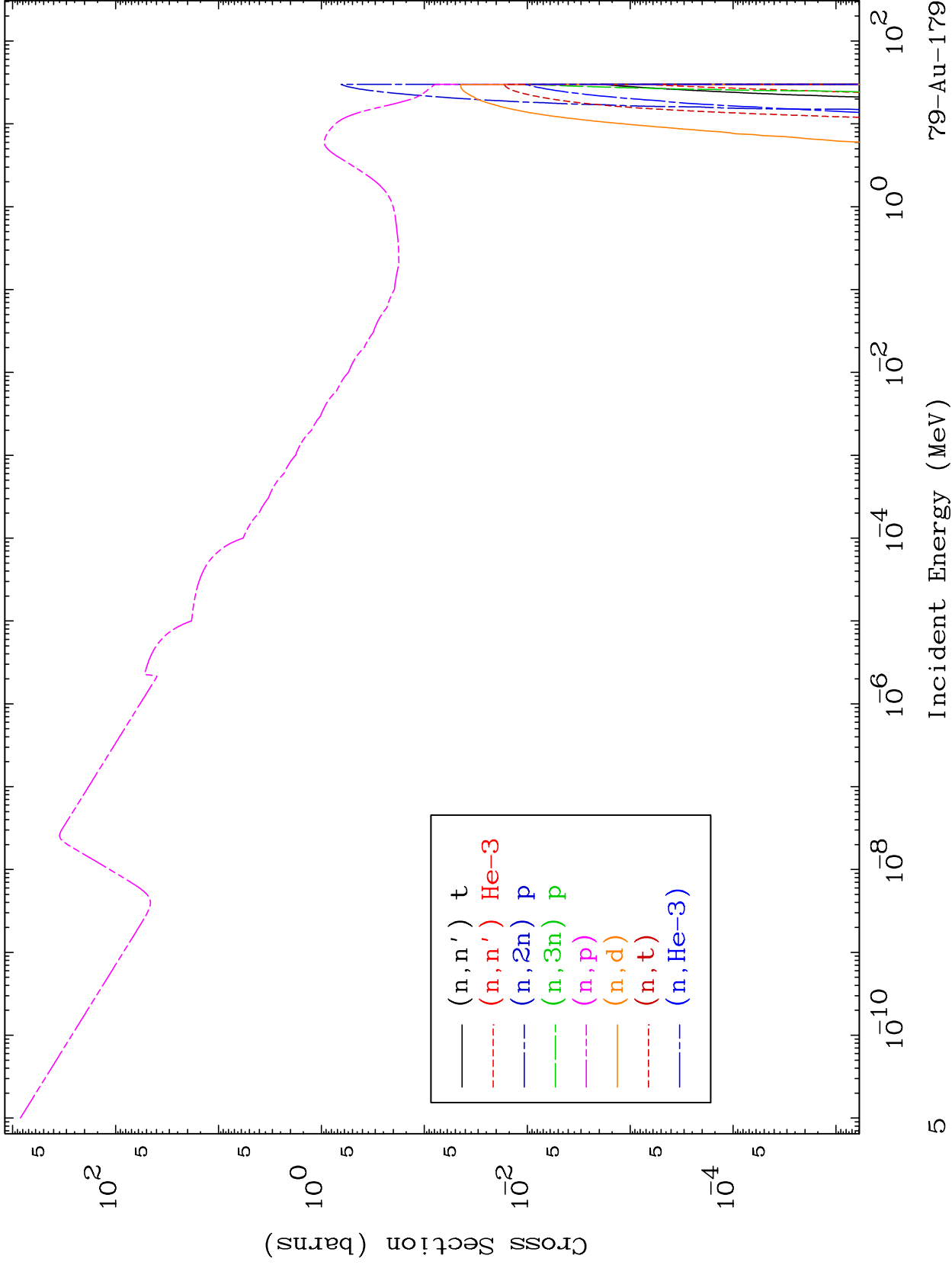
79-Au-179

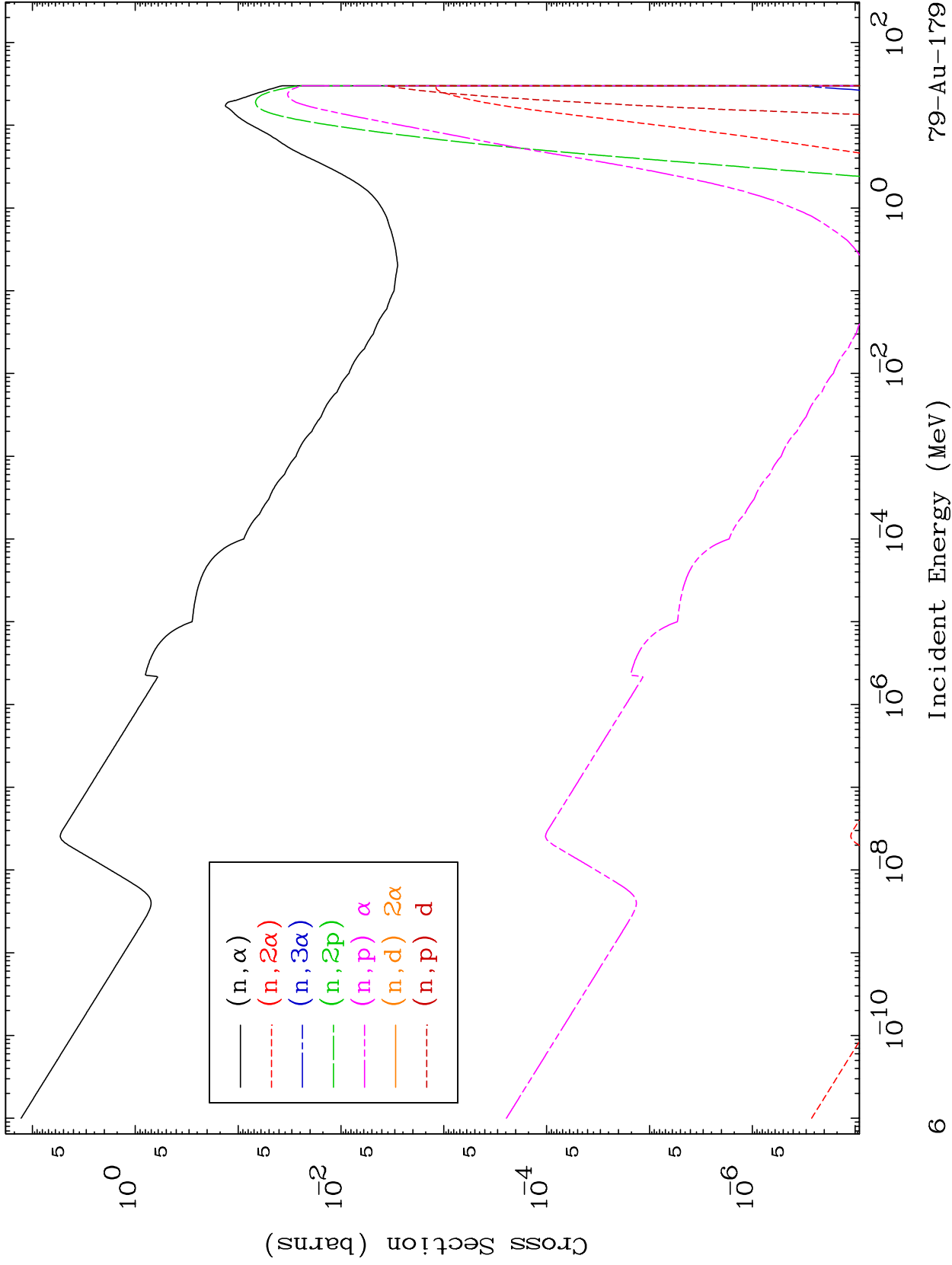


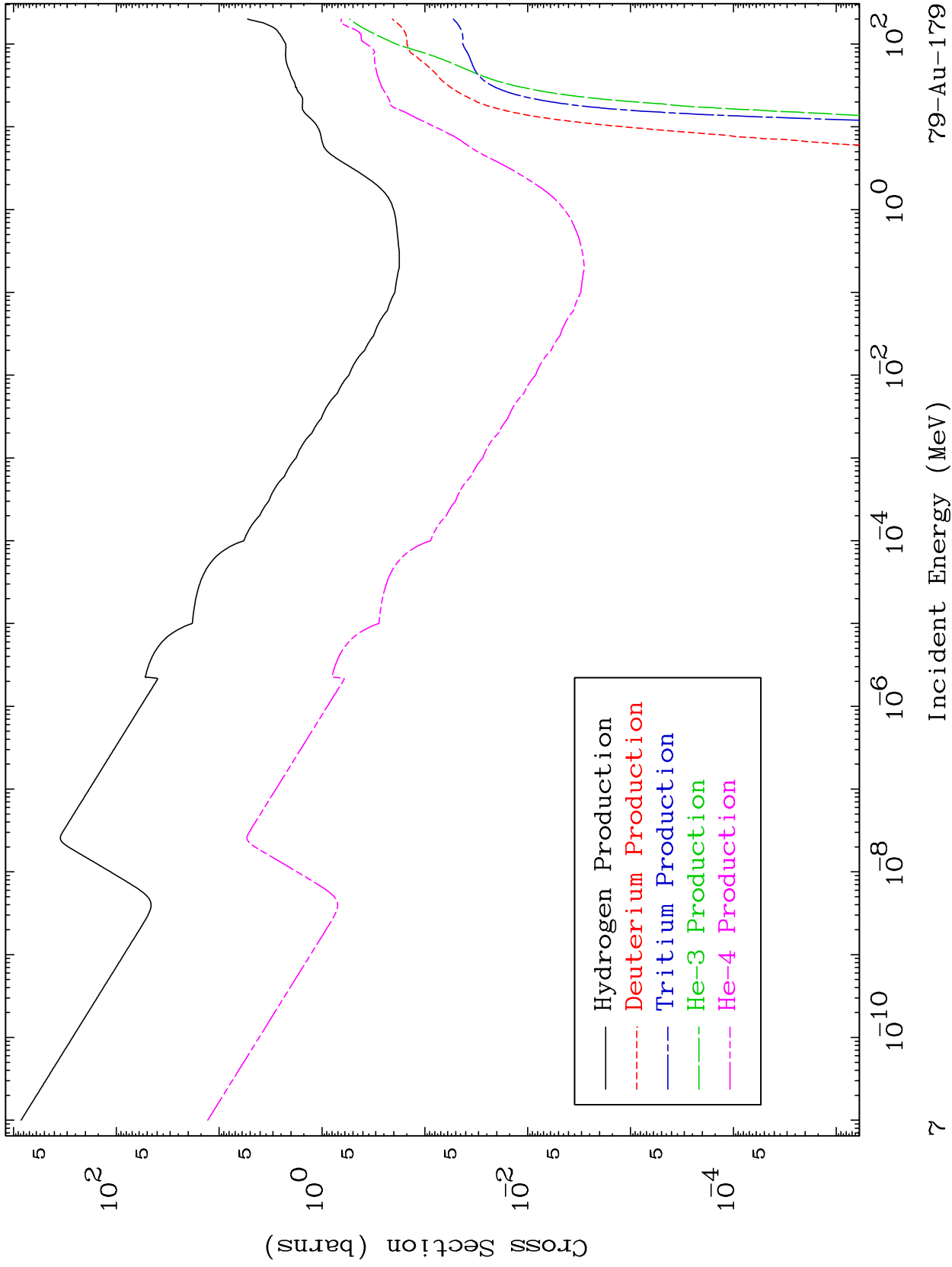
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Charged Particle
293 Kelvin Cross Sections

79-Au-179



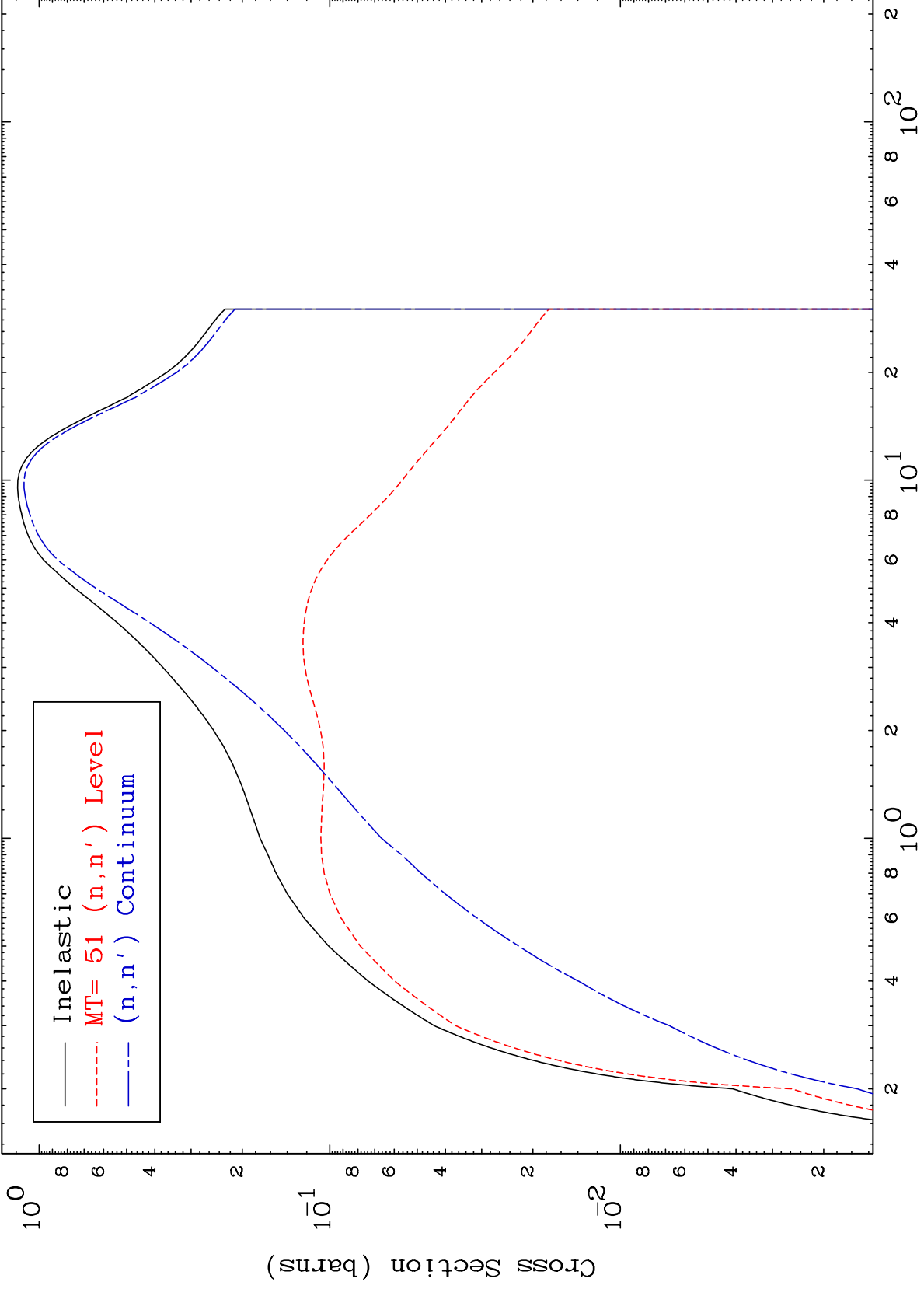


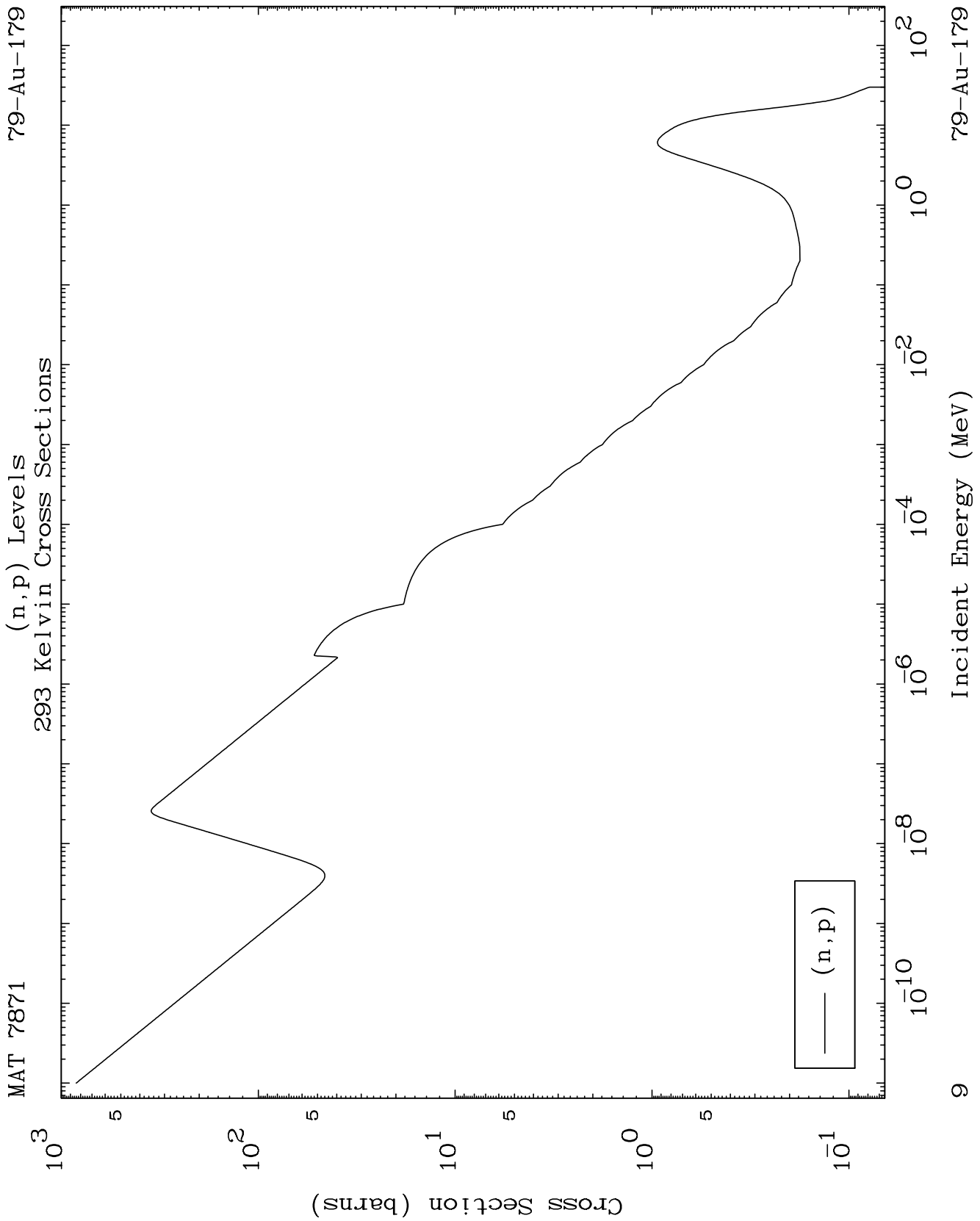


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293 Kelvin Cross Sections
(n,n') Level

79-Au-179

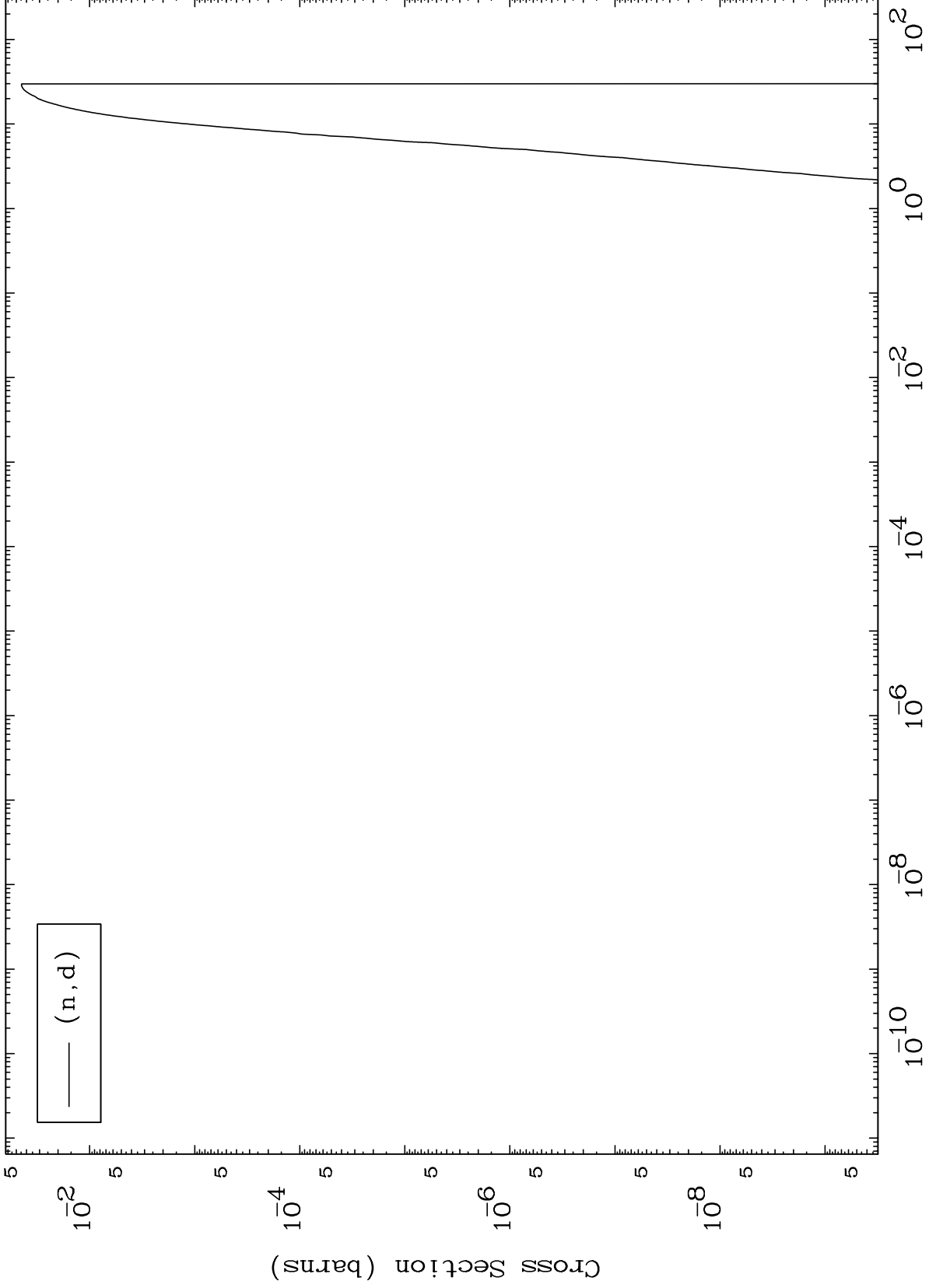




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(n,d) Levels
293 Kelvin Cross Sections

79-Au-179



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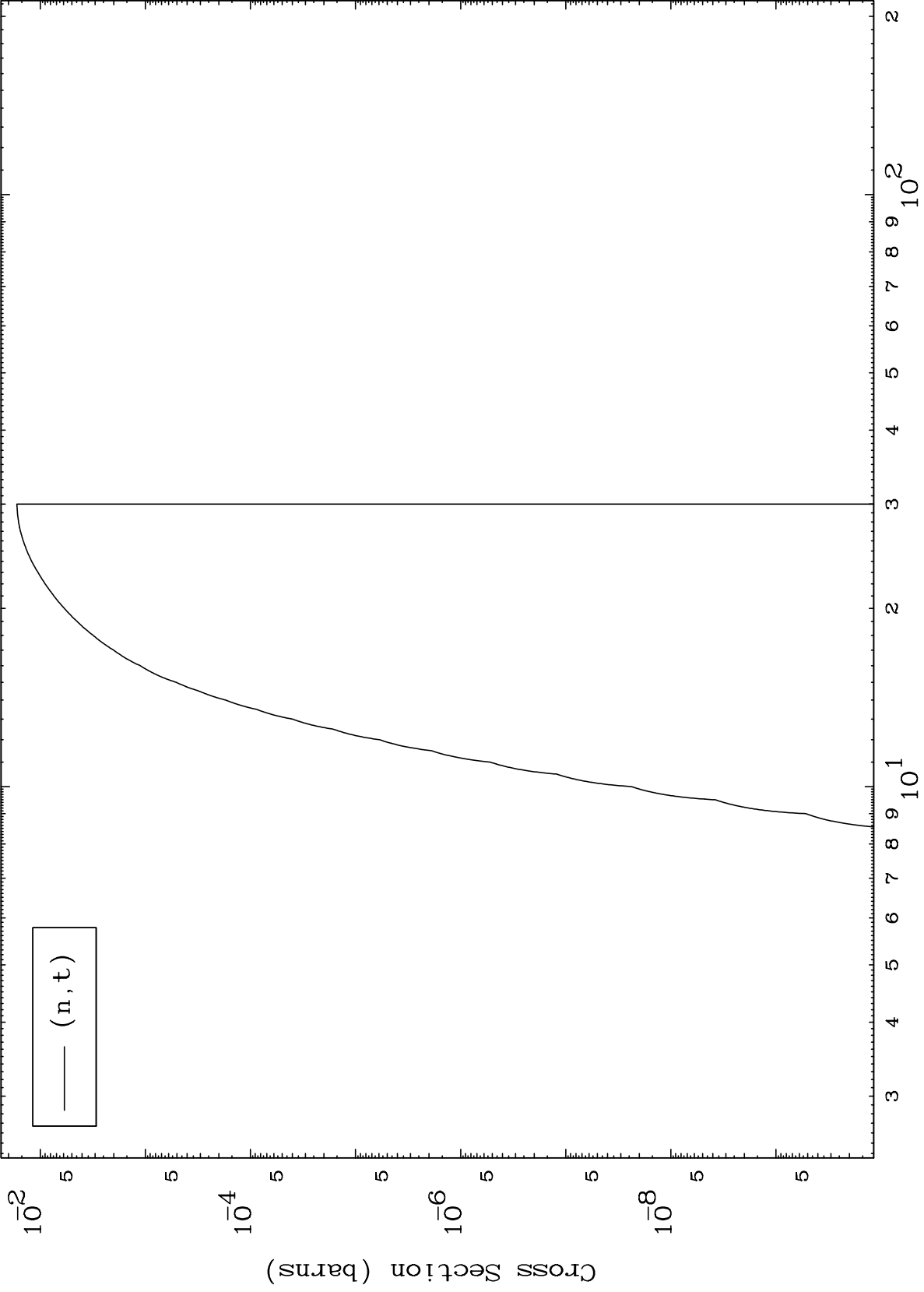
Incident Energy (MeV)

79-Au-179

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(n,t) Levels
293 Kelvin Cross Sections

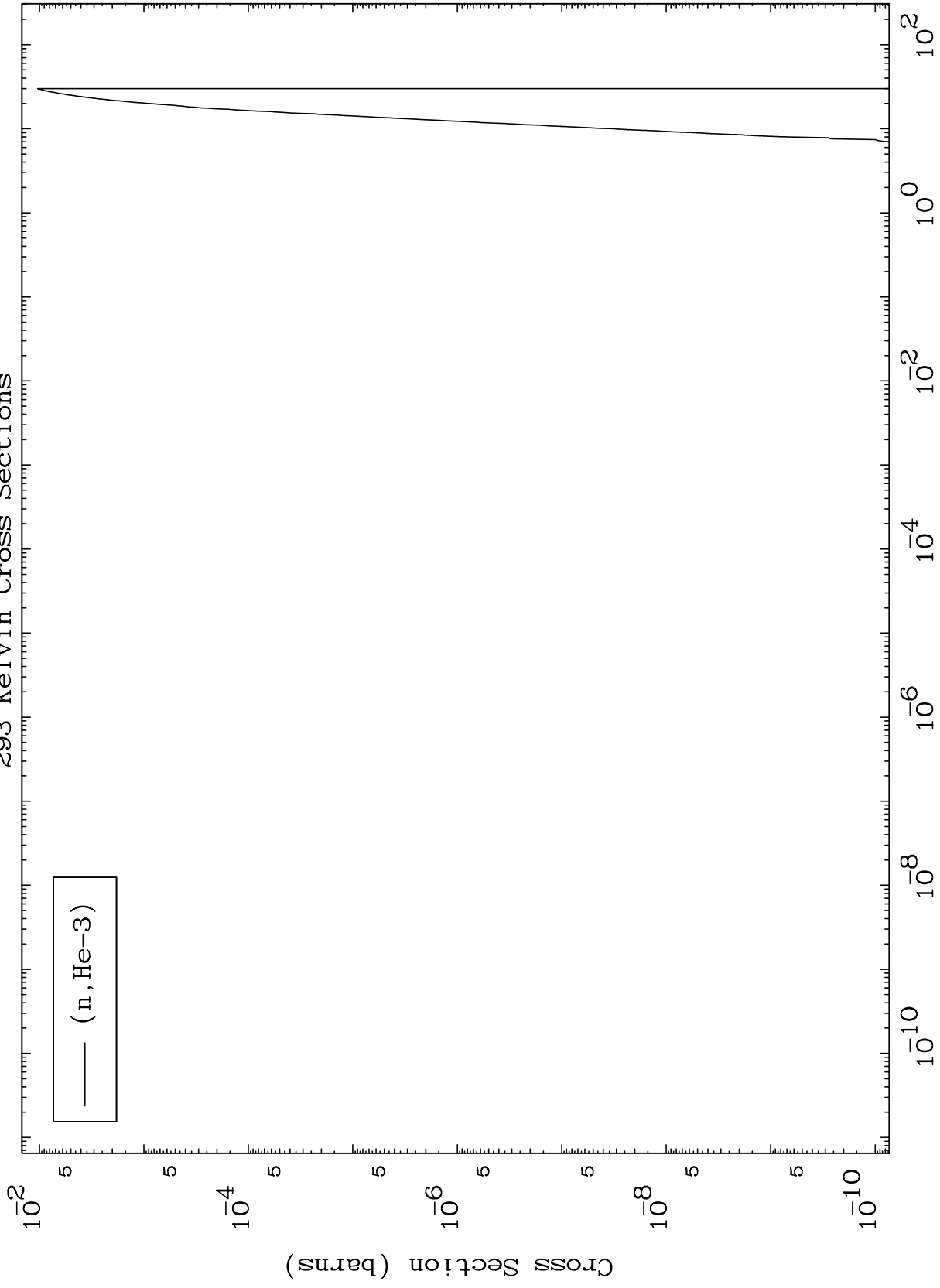
79-Au-179



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(n,He3) Levels
293 Kelvin Cross Sections

79-Au-179



12

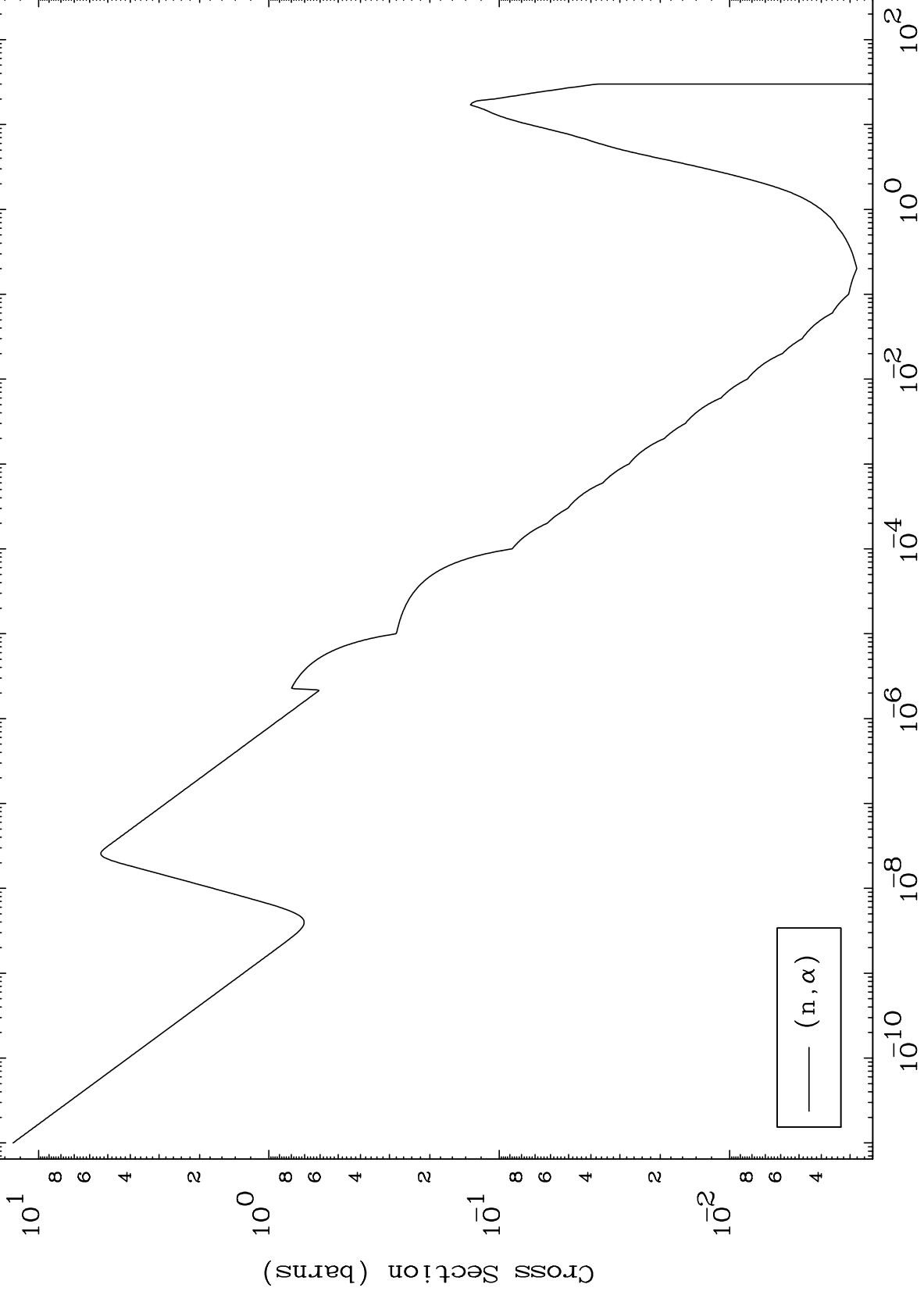
Incident Energy (MeV)

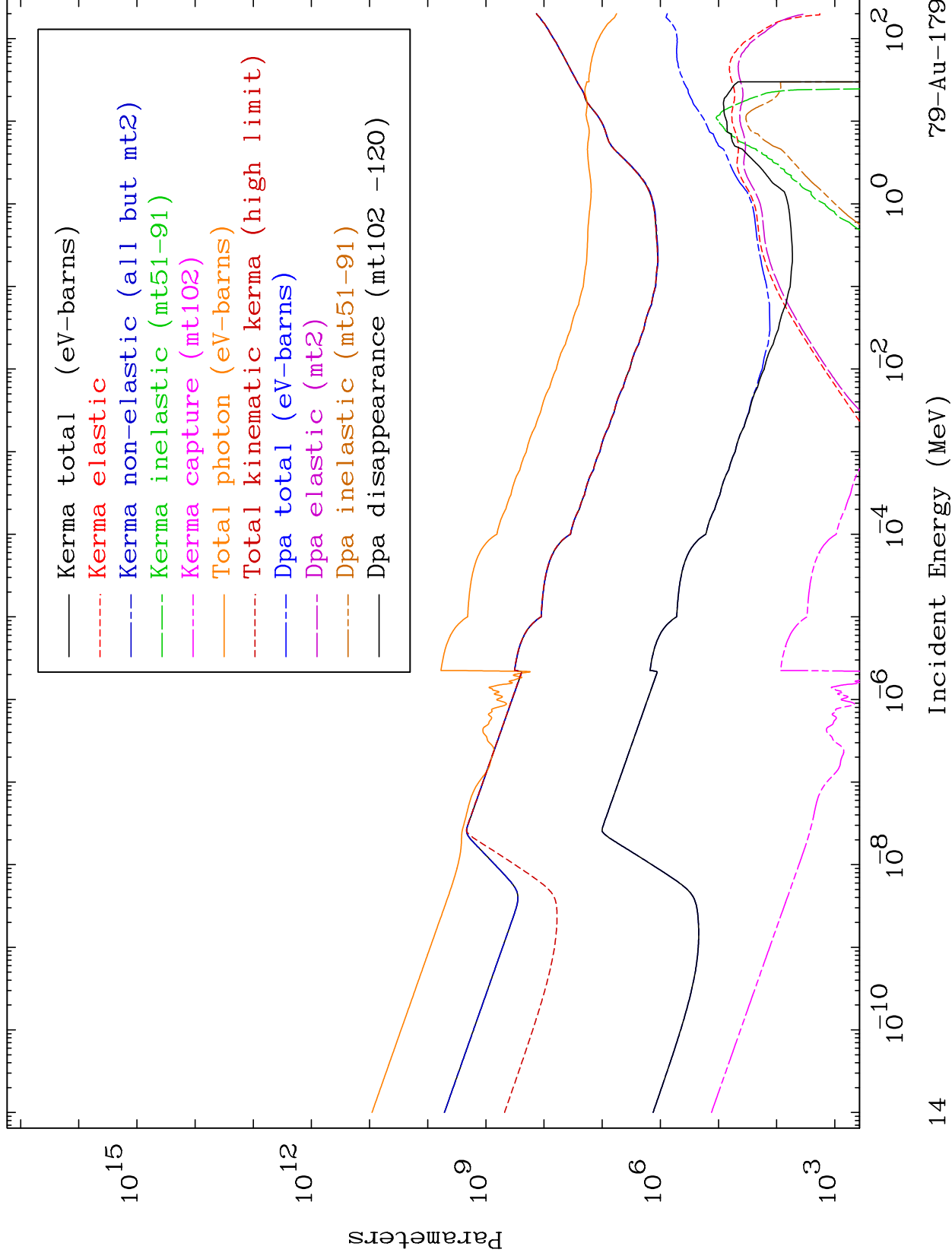
79-Au-179

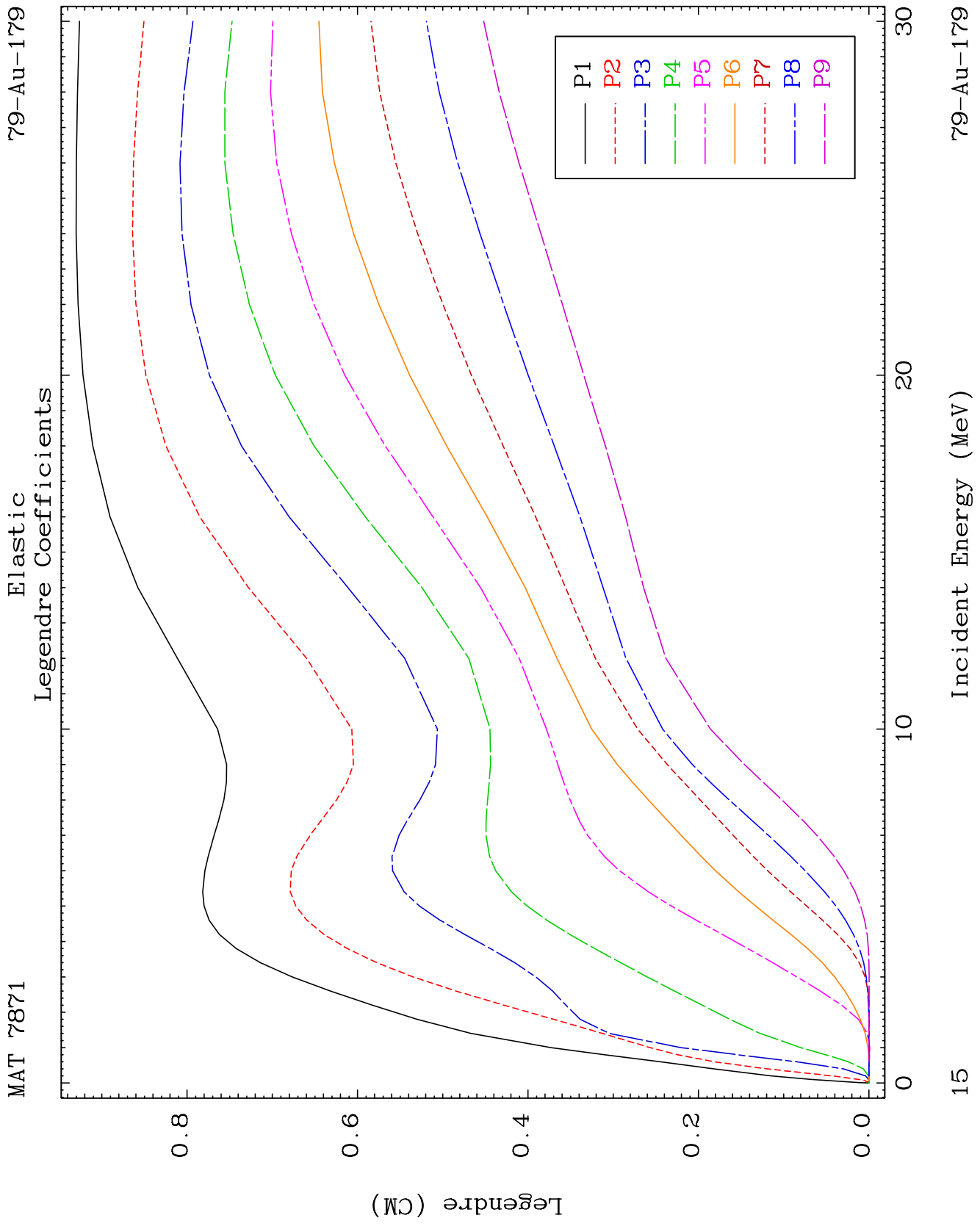
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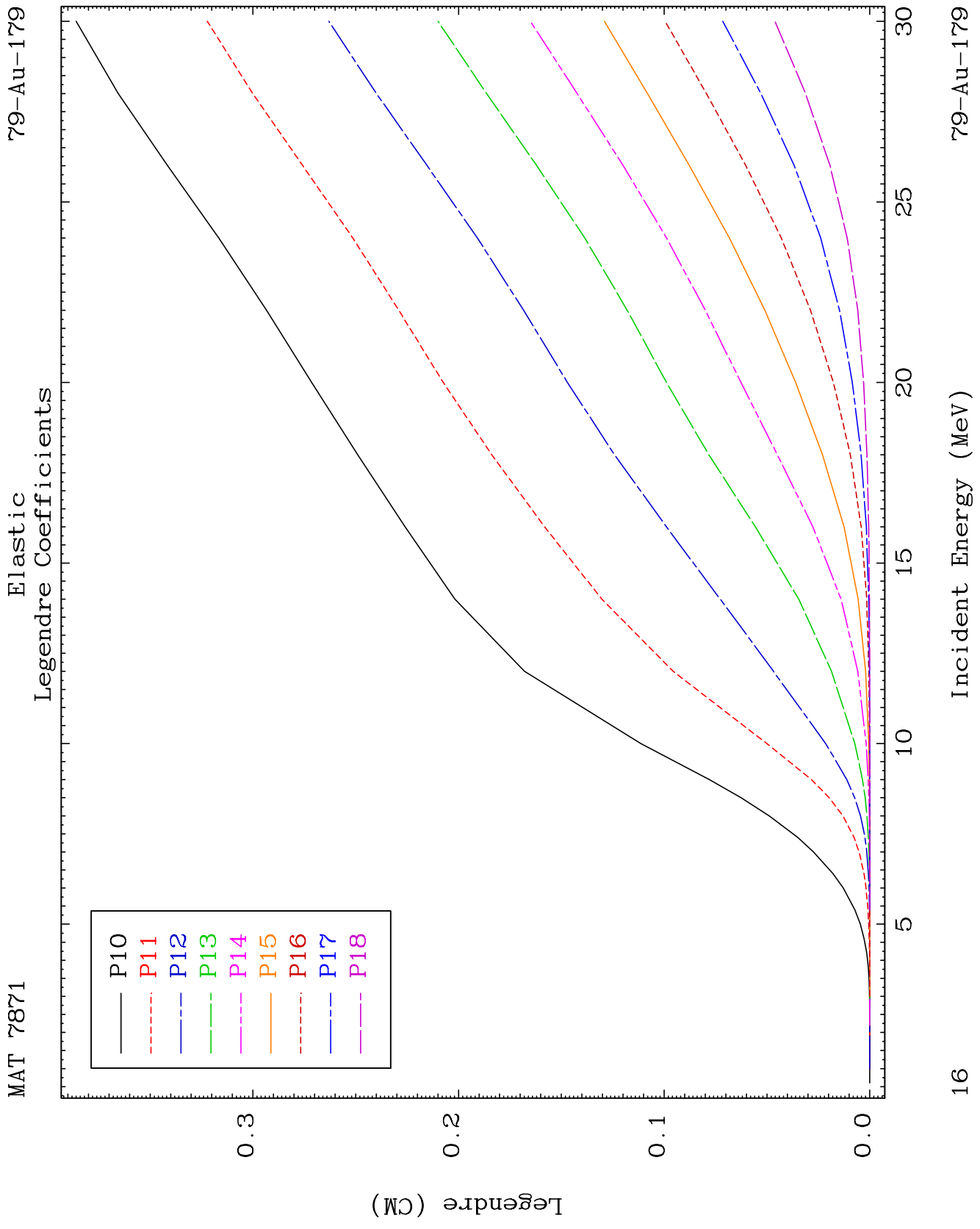
(n,α) Levels
293 Kelvin Cross Sections

79-Au-179





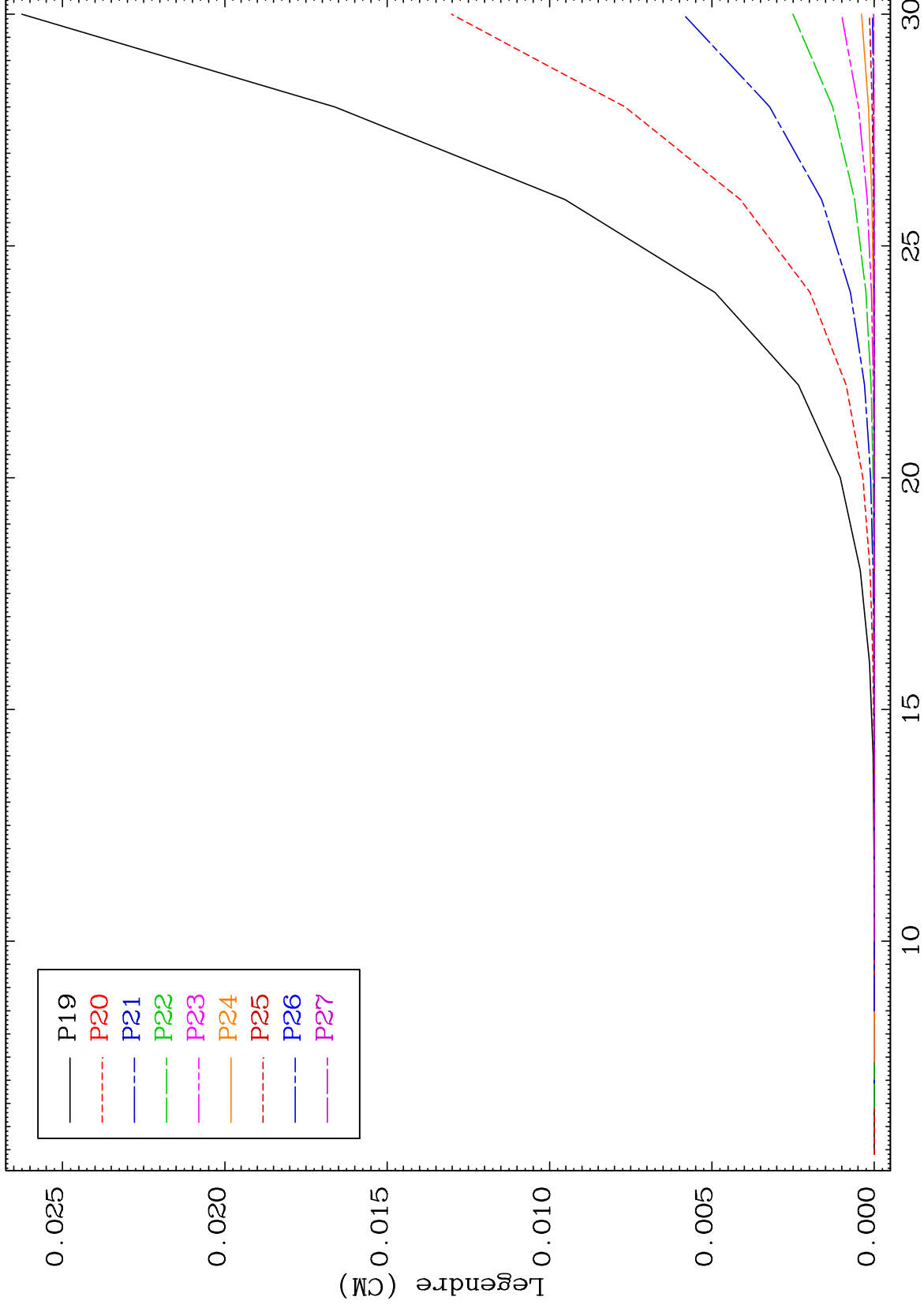




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Elastic Legendre Coefficients

79-Au-179



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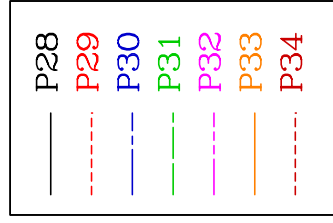
Incident Energy (MeV)

79-Au-179

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Elastic
Legendre Coefficients

79-Au-179



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

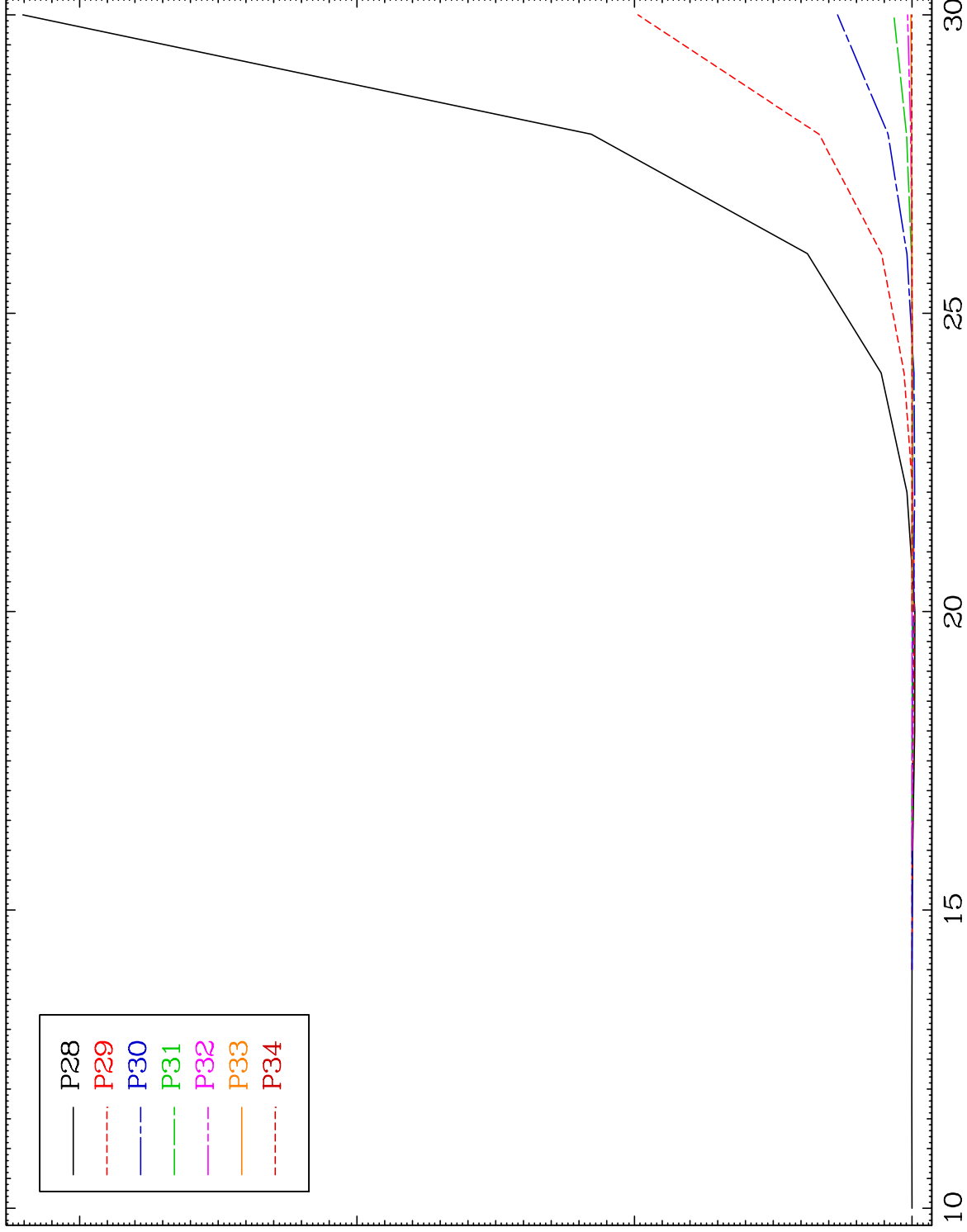
25

30

18

Incident Energy (MeV)

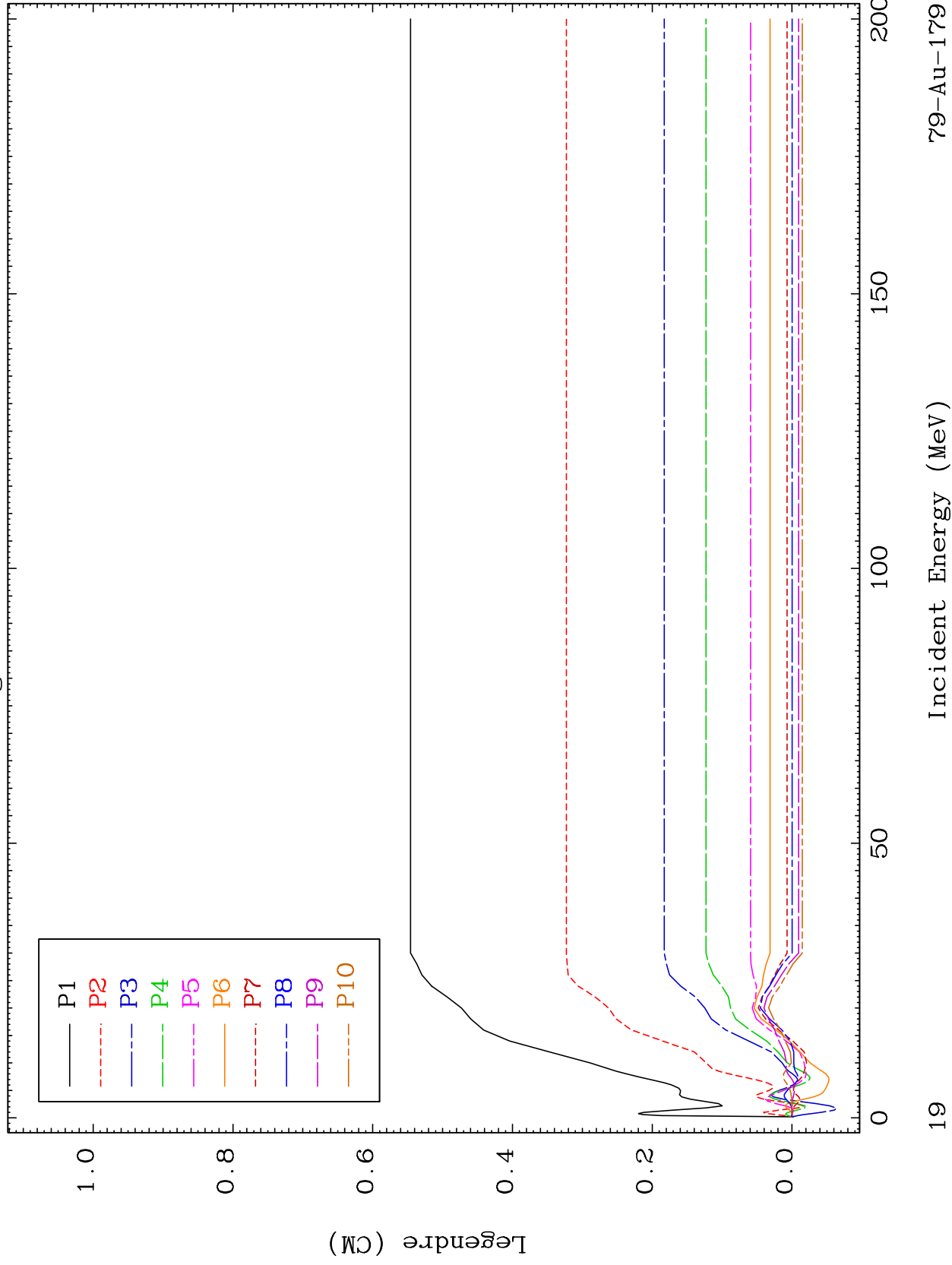
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MT= 51 (n,n') Level
Legendre Coefficients

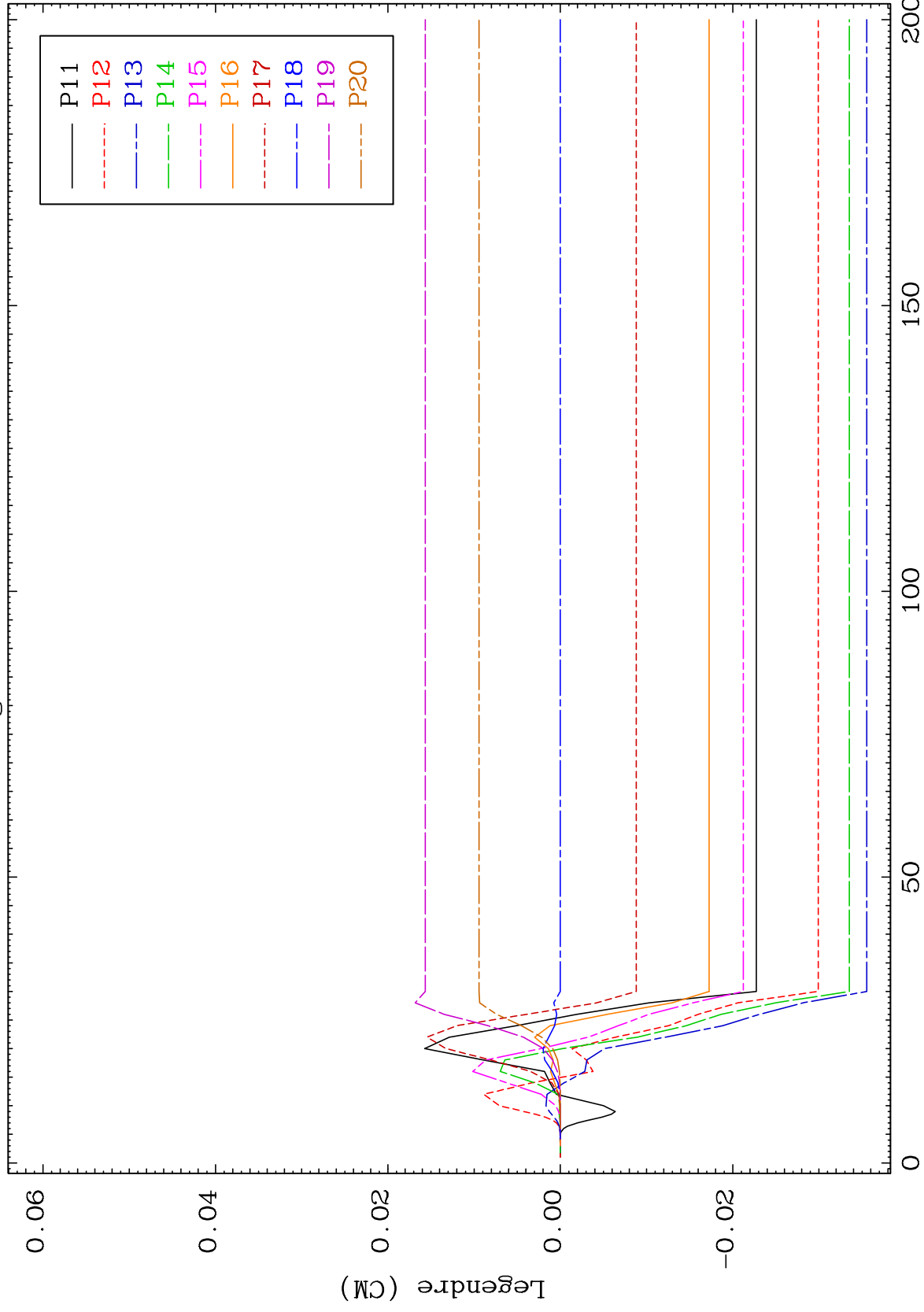
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MT= 51 (n,n') Level
Legendre Coefficients

79-Au-179



0

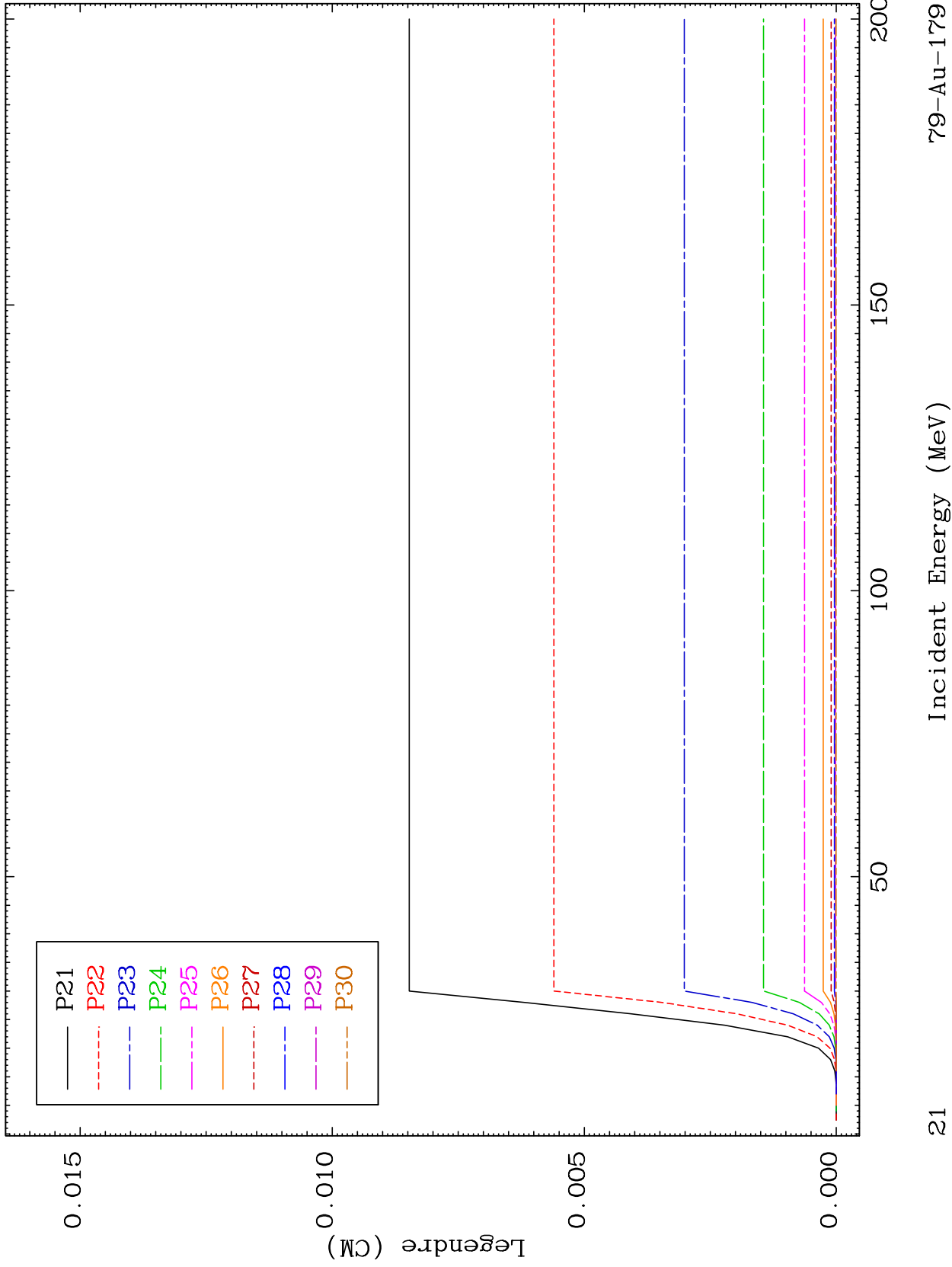
50

100

150

200

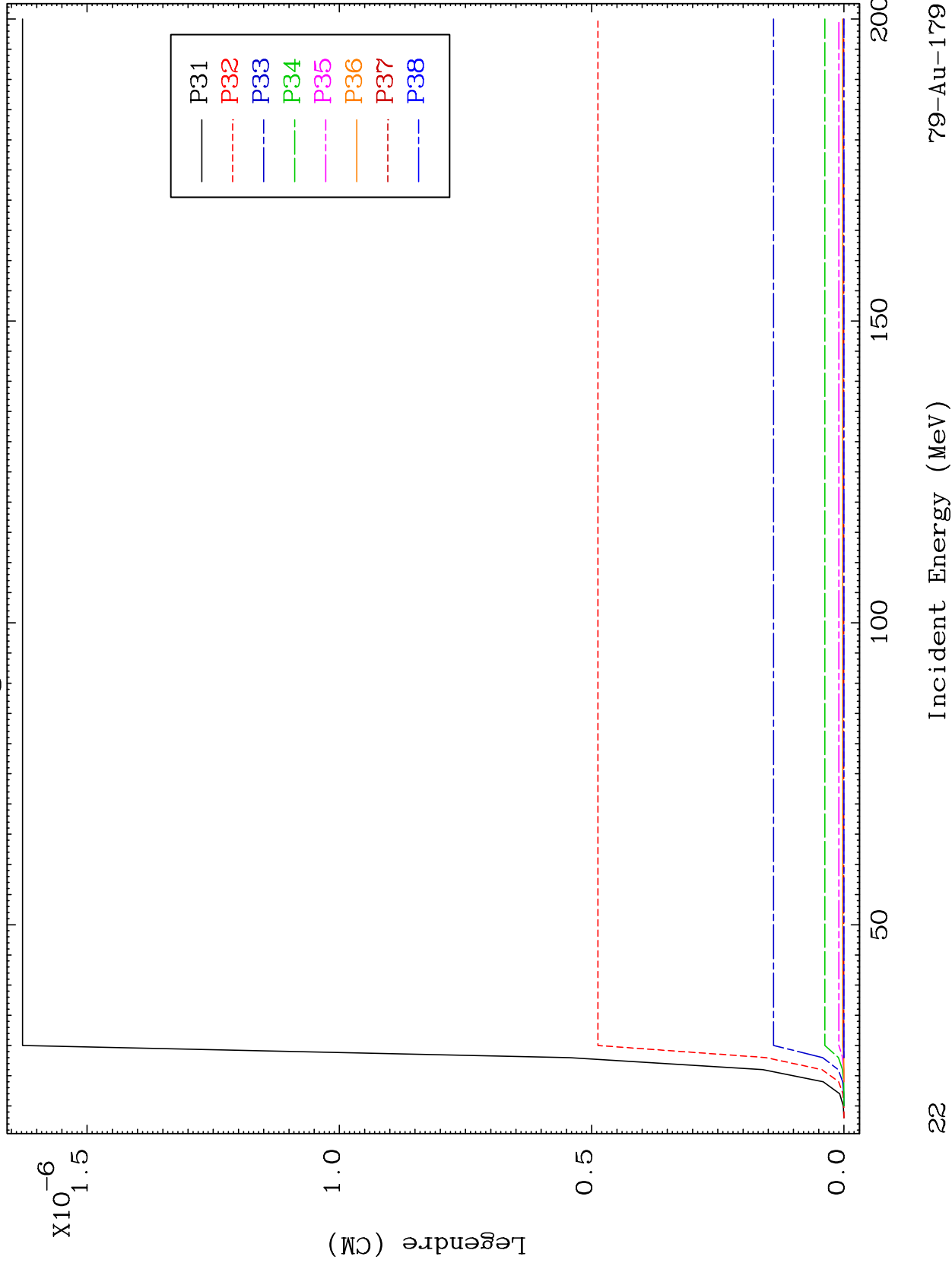
79-Au-179



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

79-Au-179



22

Incident Energy (MeV)

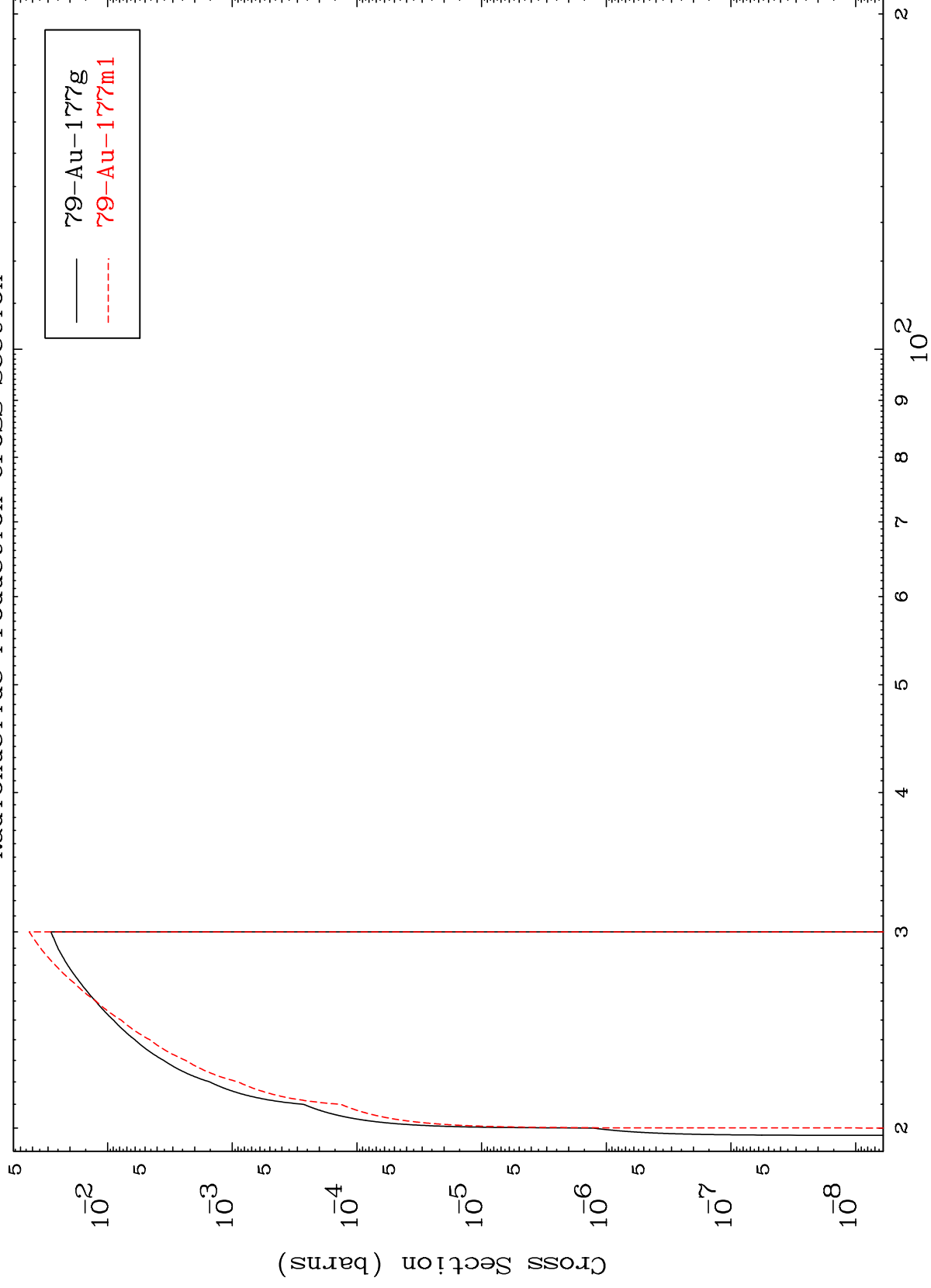
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⁷⁹Au-179

(n,3n)

Radionuclide Production Cross Section



23

Incident Energy (MeV)

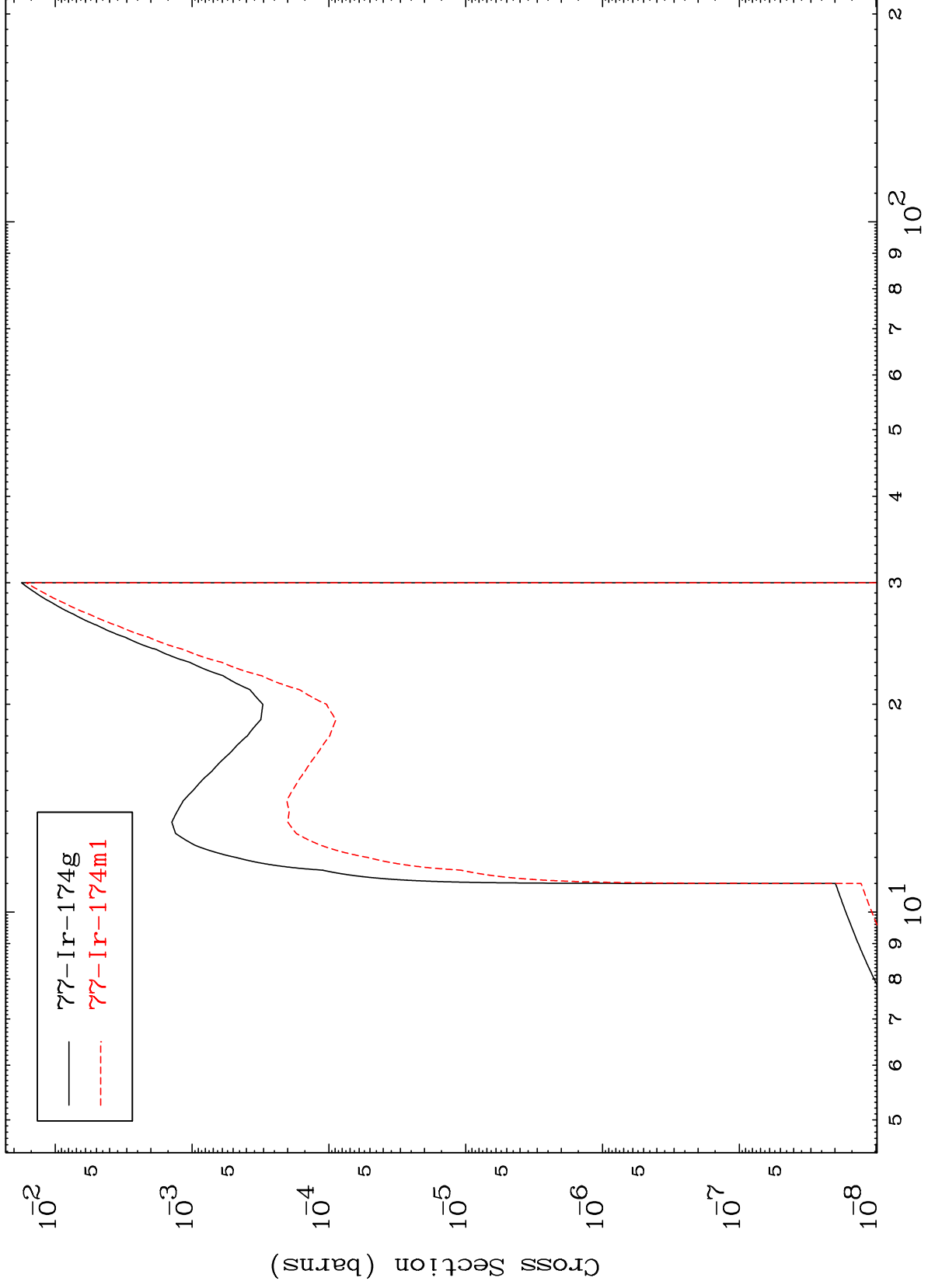
⁷⁹Au-179

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$(n, 2n)$ α

$^{79}\text{Au-179}$

Radionuclide Production Cross Section



24

Incident Energy (MeV)

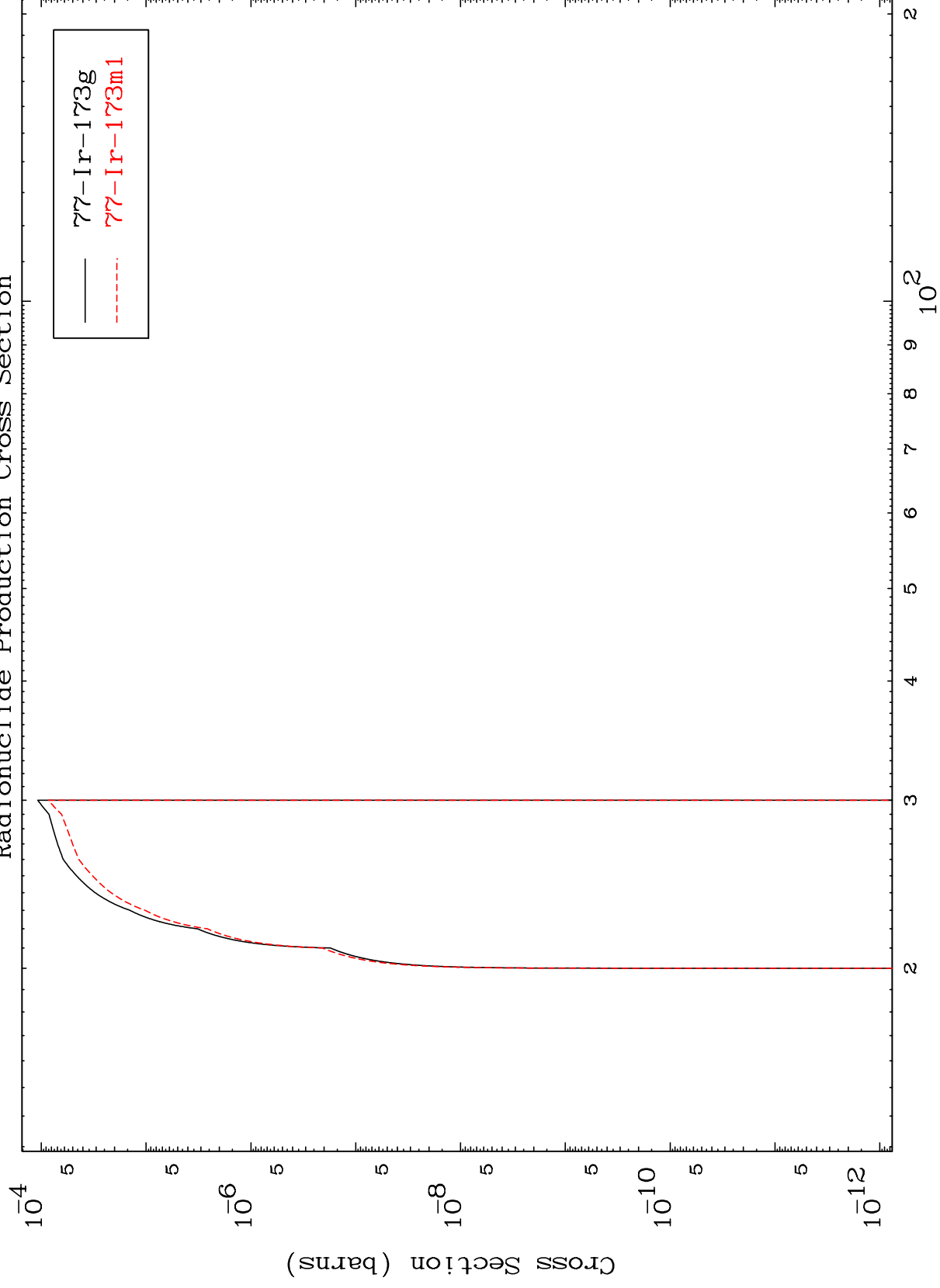
$^{79}\text{Au-179}$

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(n,3n) α

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Radionuclide Production Cross Section



25

Incident Energy (MeV)

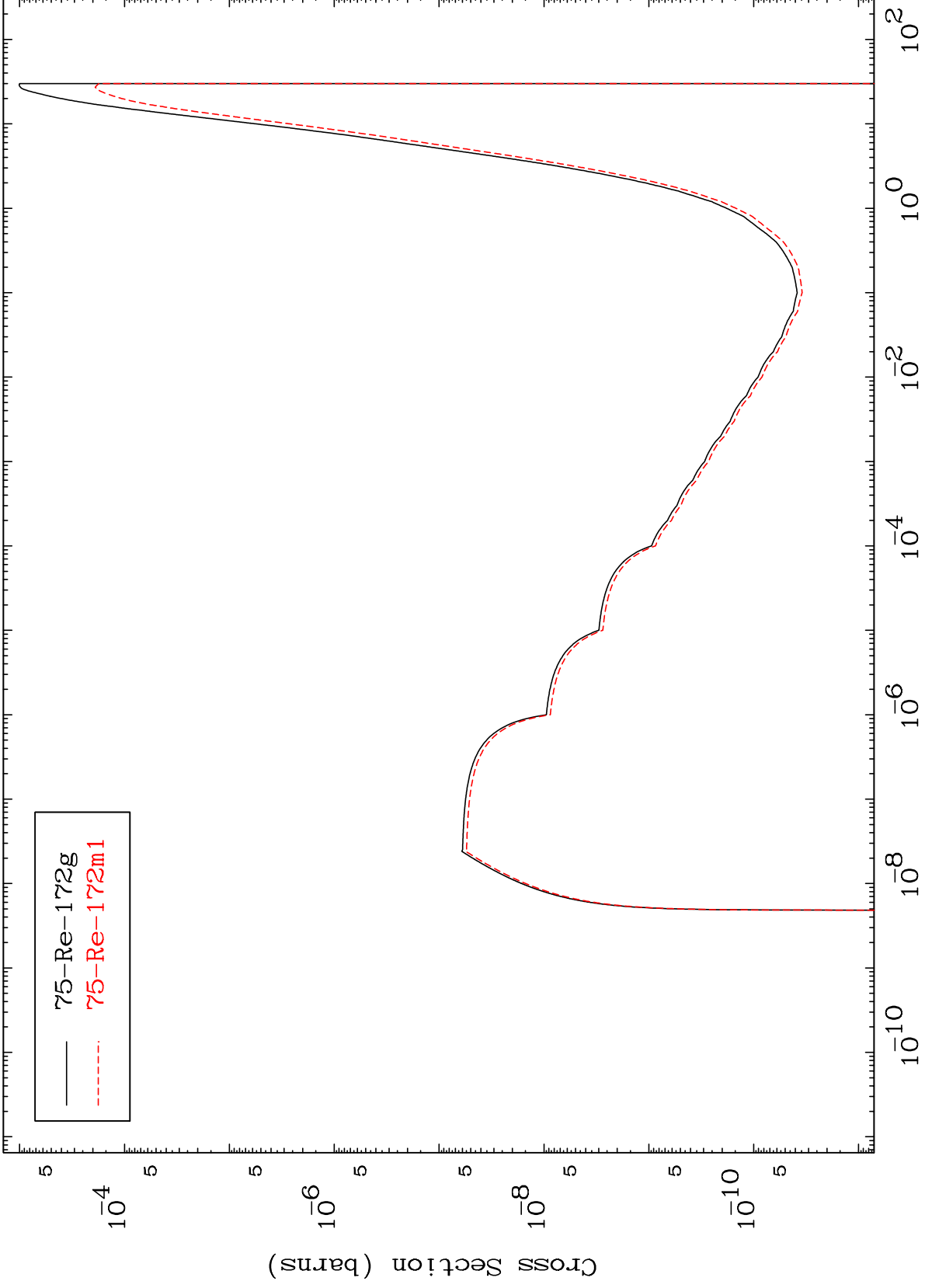
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(n,2α)

79-Au-179

Radionuclide Production Cross Section



26

Incident Energy (MeV)

79-Au-179