

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

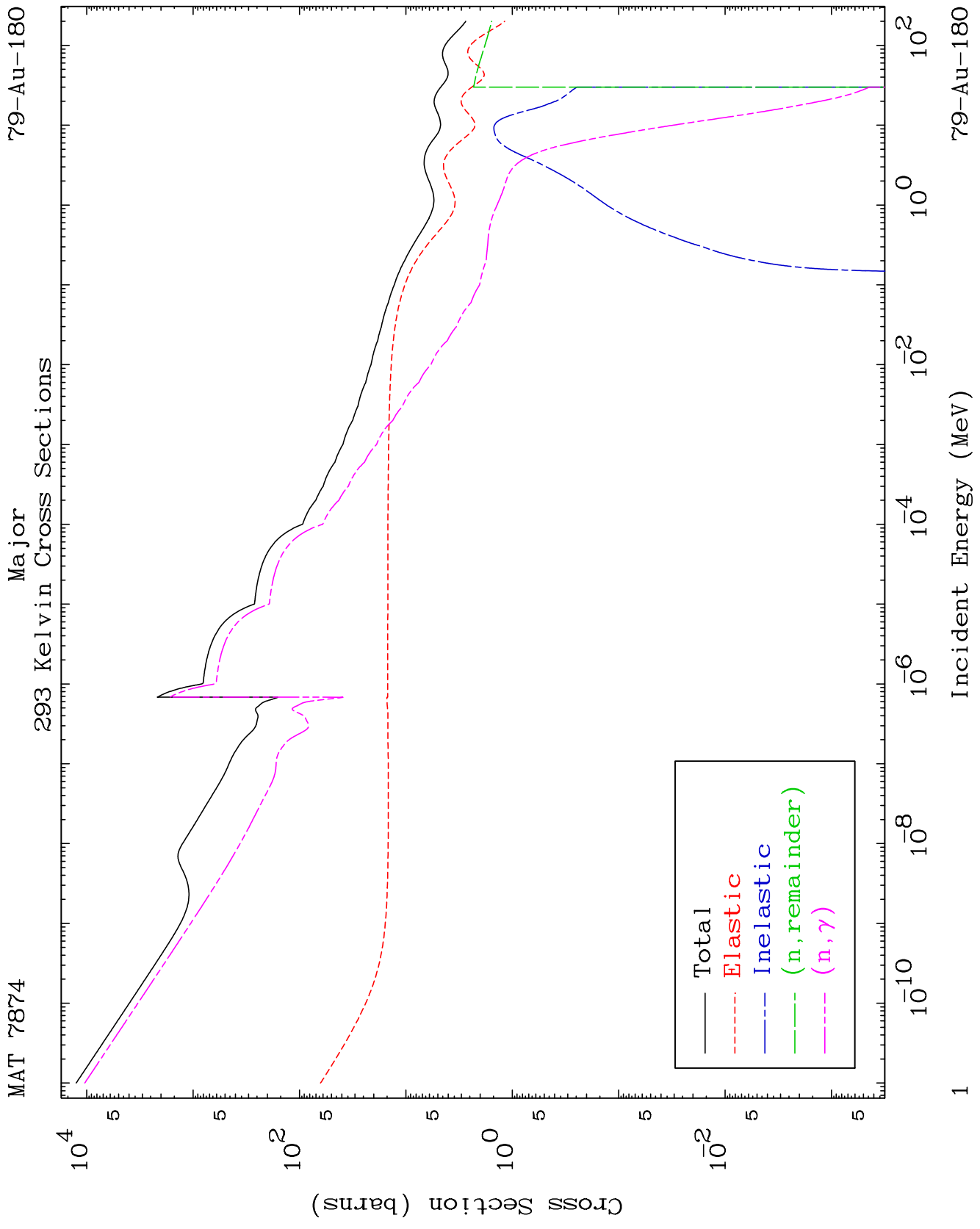
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

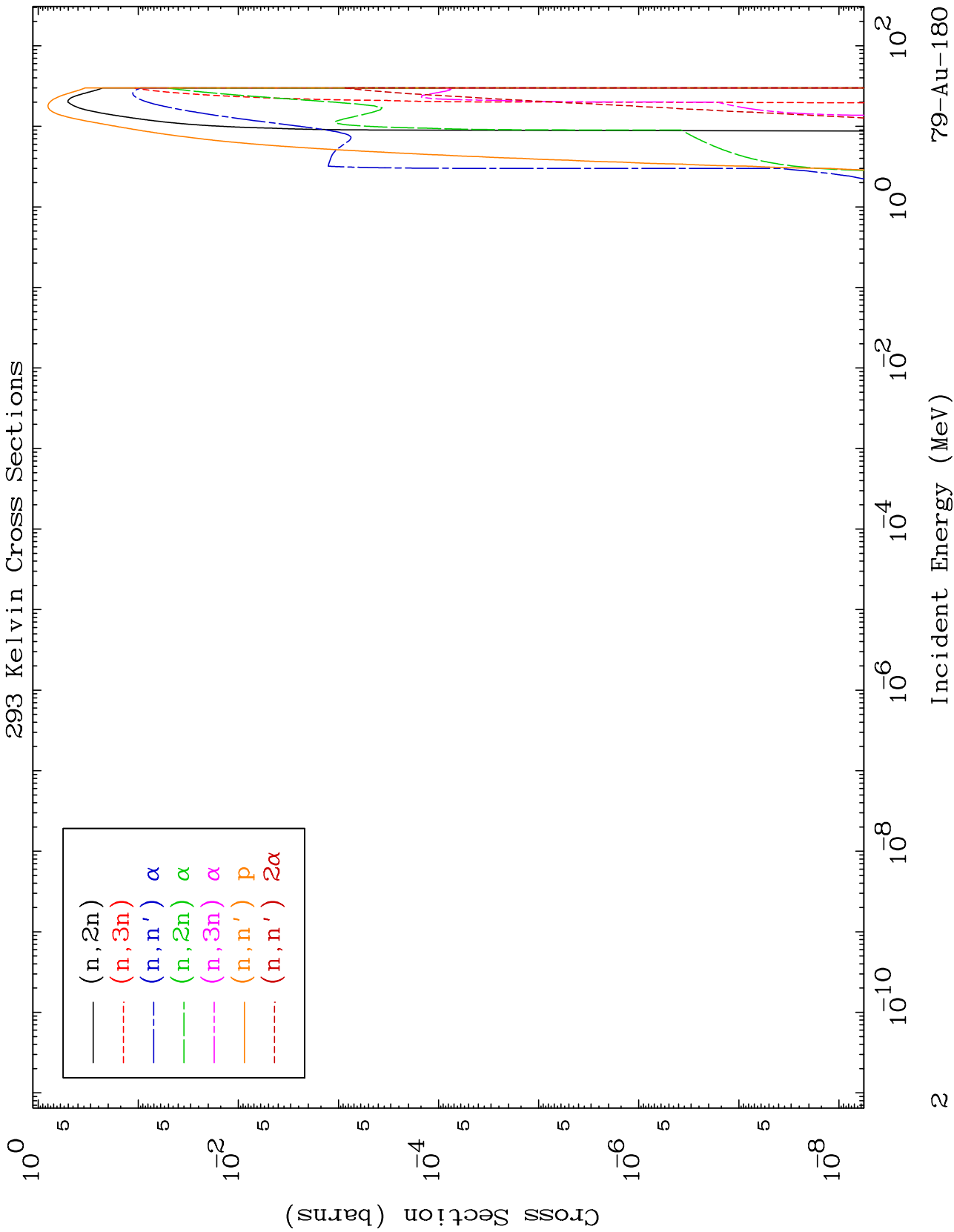
Press Mouse Button to Start



MAT 7874

Neutron Production
293 Kelvin Cross Sections

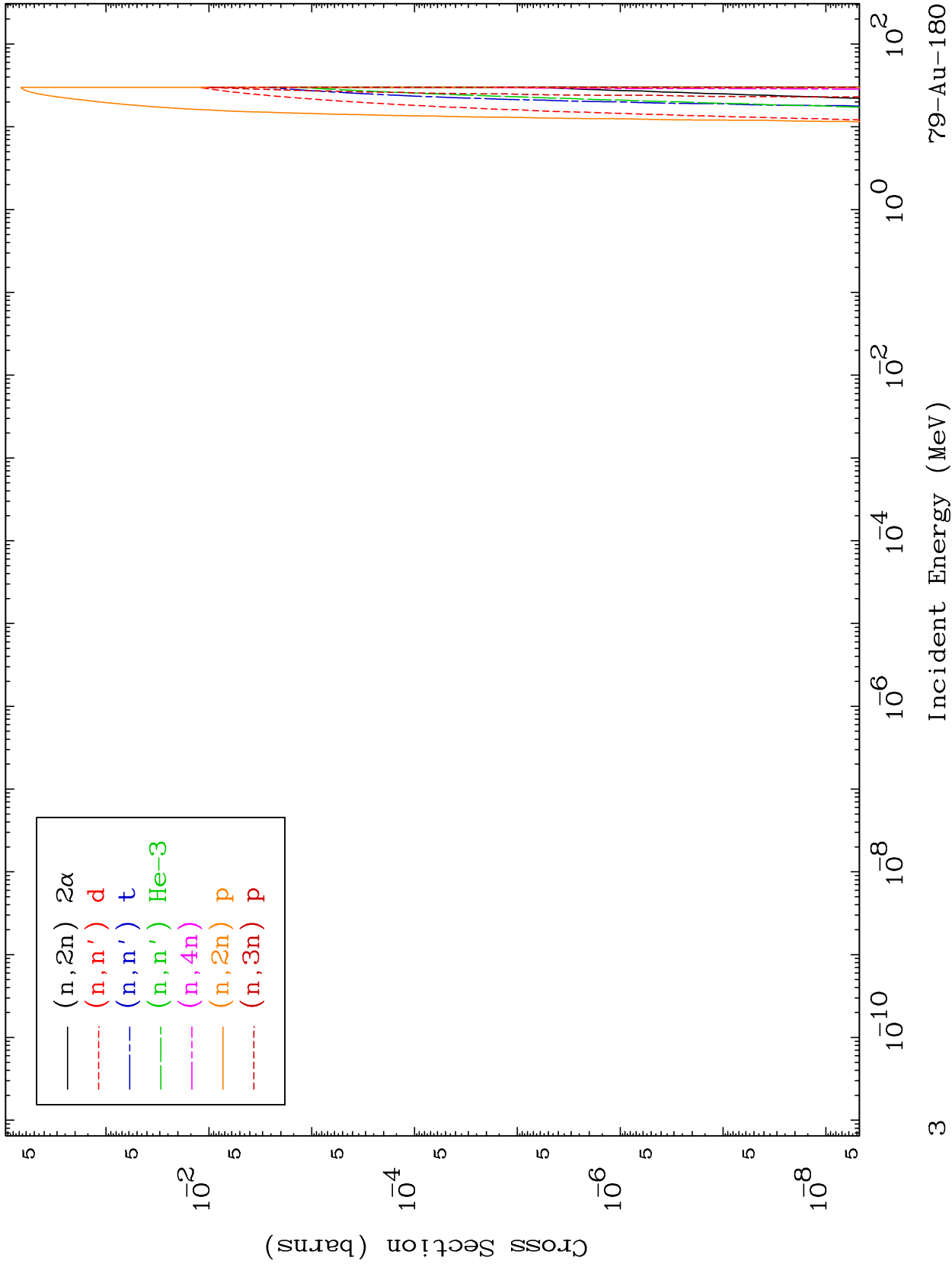
79-Au-180



MAT 7874

Neutron Production
293 Kelvin Cross Sections

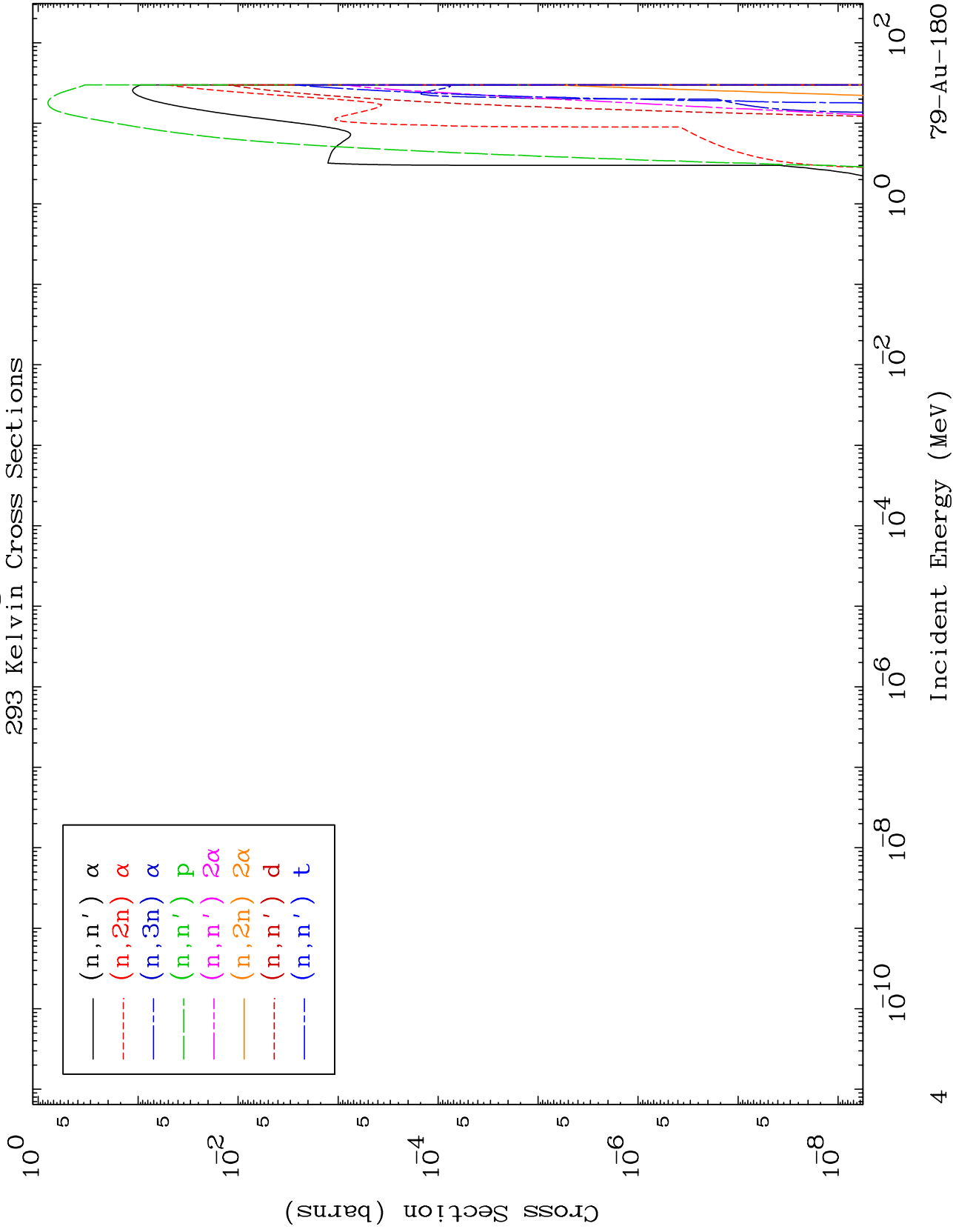
79-Au-180



MAT 7874

Charged Particle
293 Kelvin Cross Sections

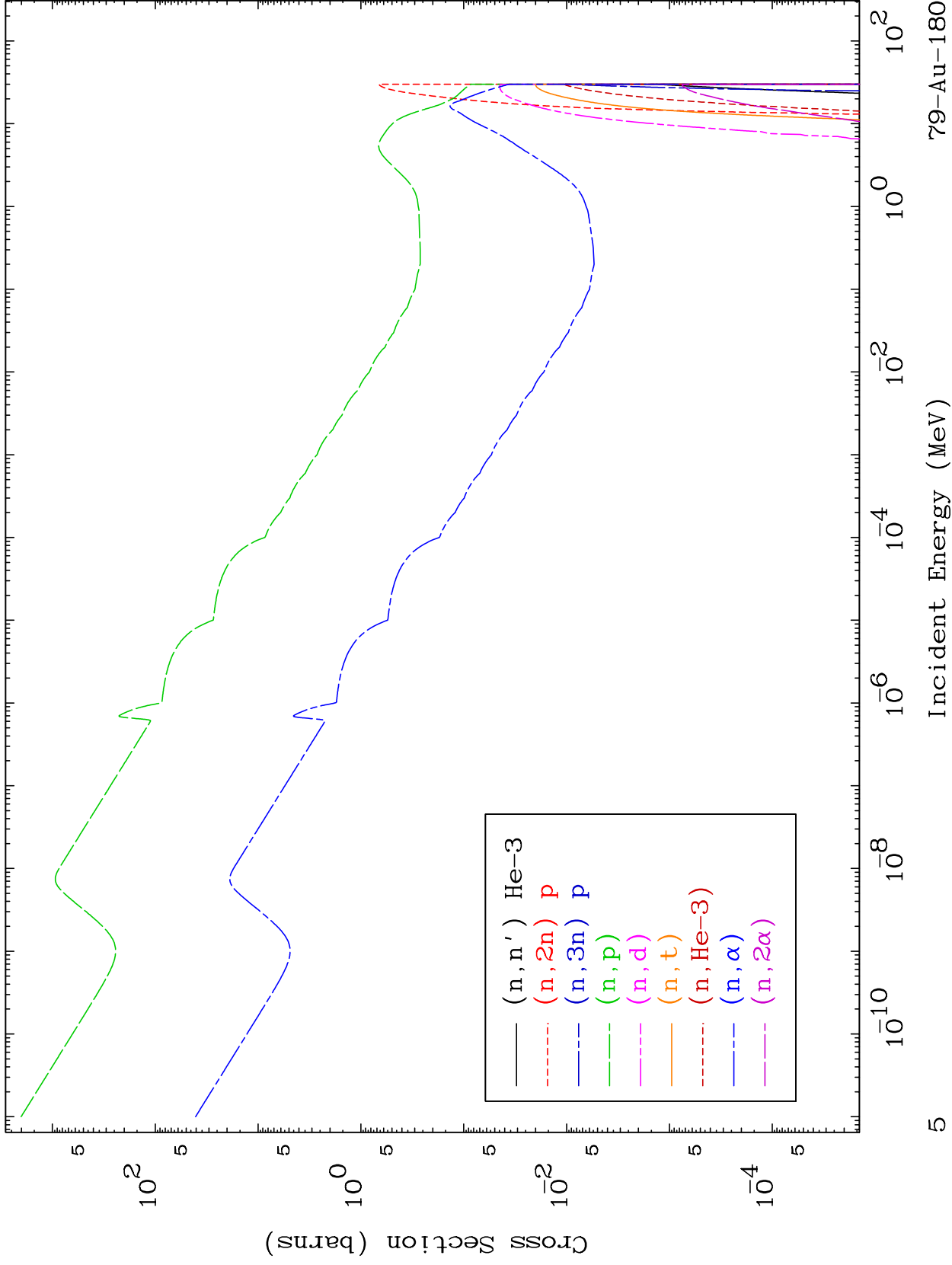
79-Au-180



MAT 7874

Charged Particle
293 Kelvin Cross Sections

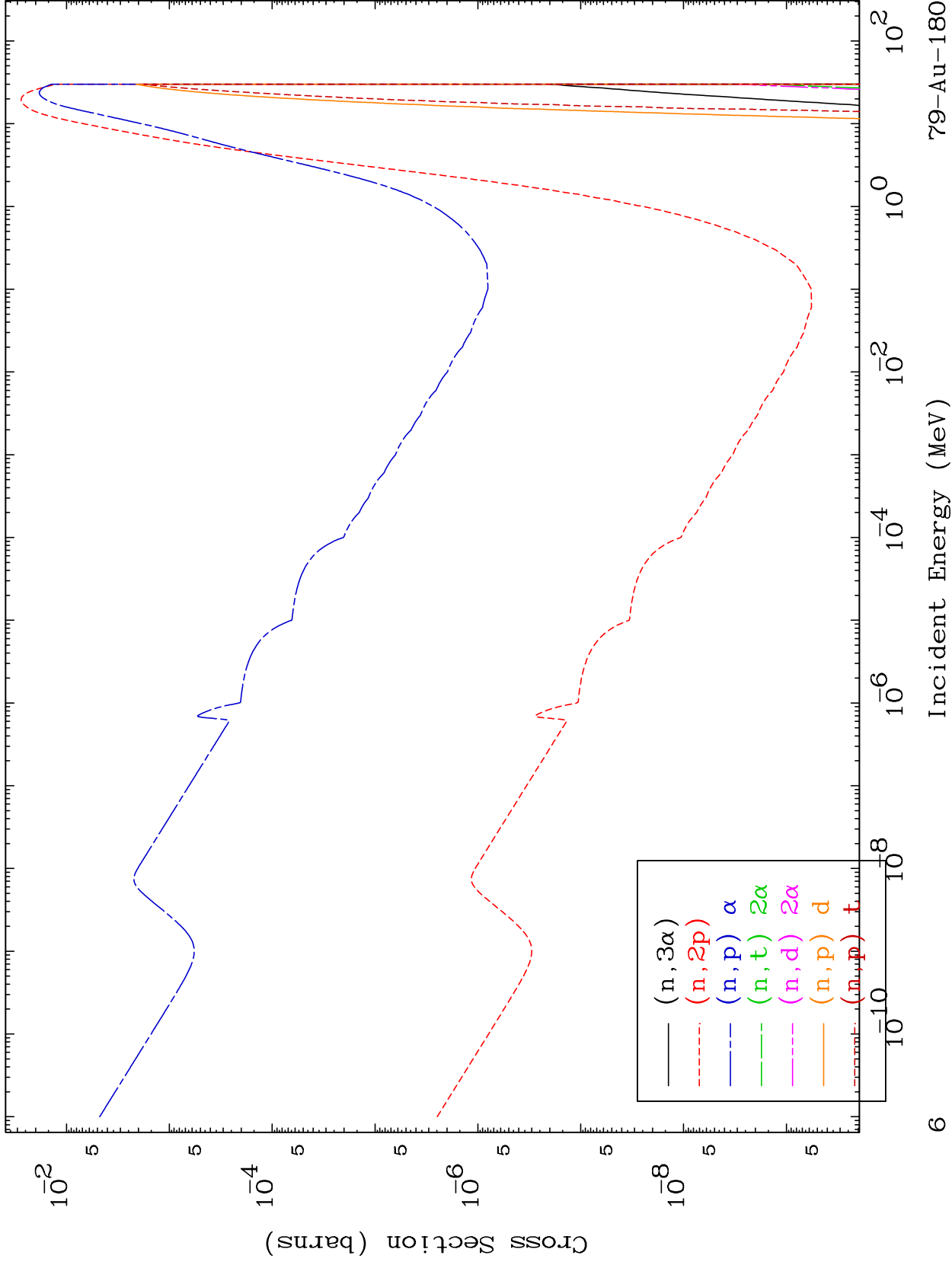
79-Au-180



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Charged Particle
293 Kelvin Cross Sections

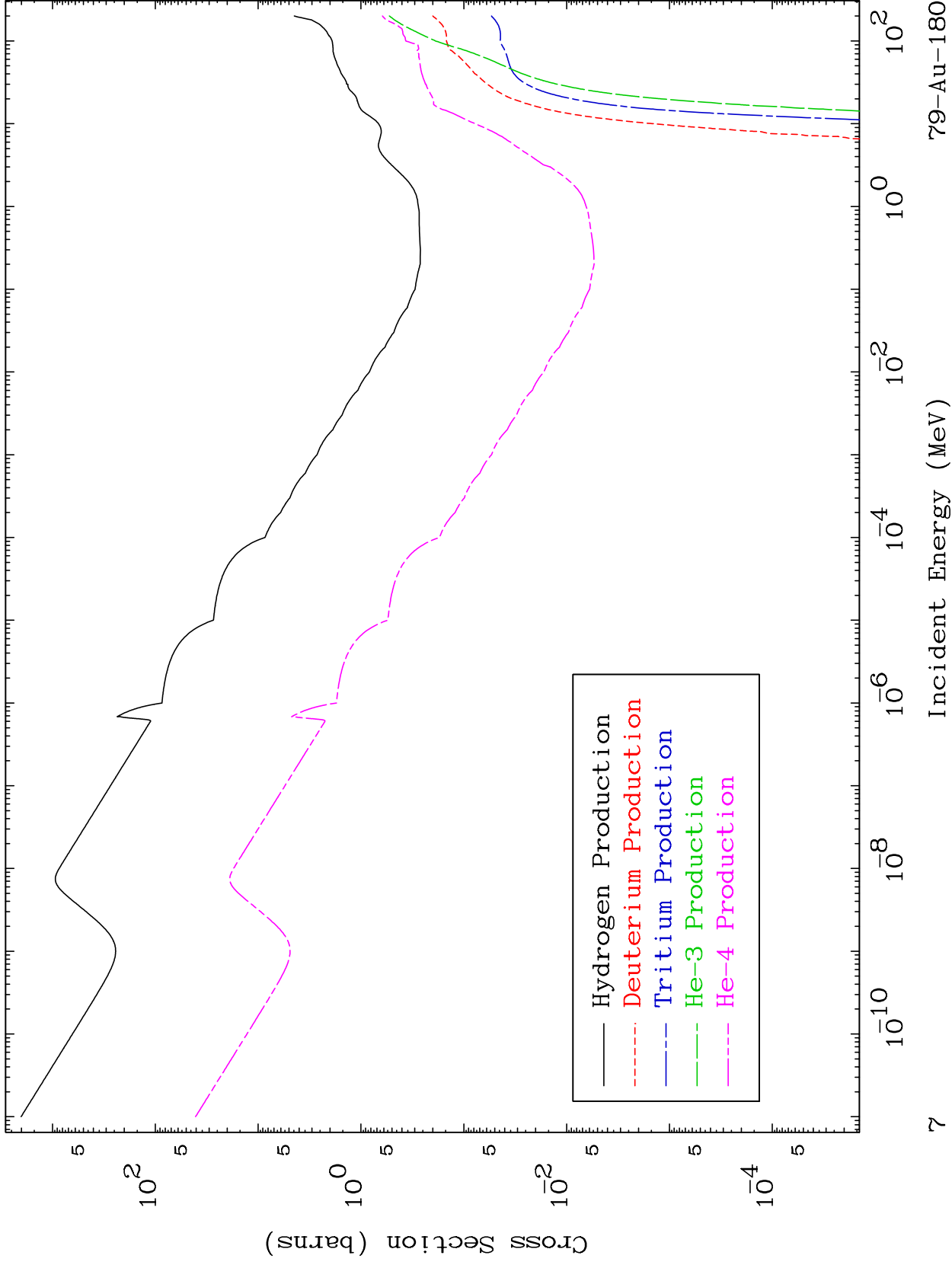
79-Au-180



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Particle Production
293 Kelvin Cross Sections

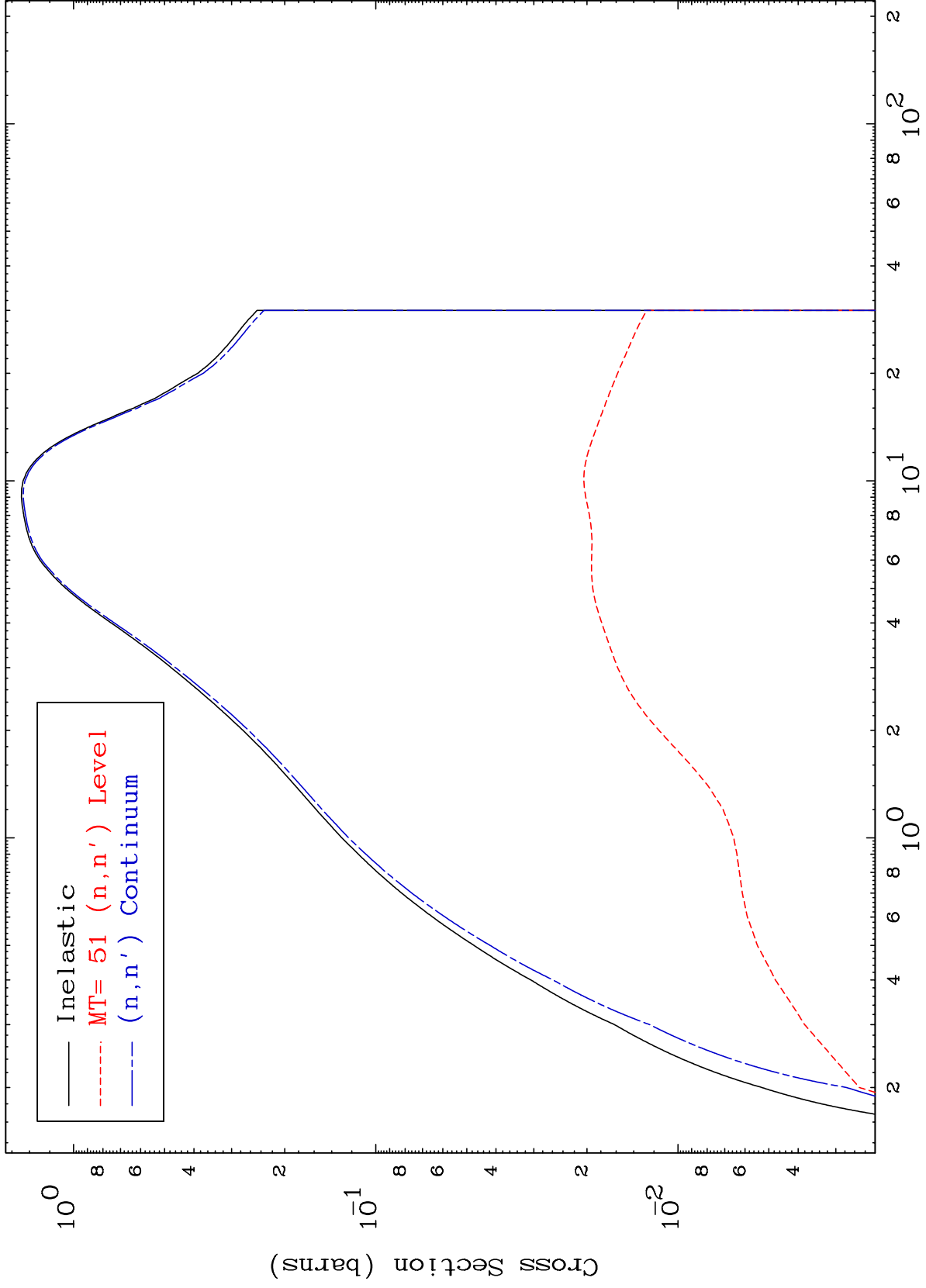
79-Au-180



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293 Kelvin Cross Sections
(n,n') Level

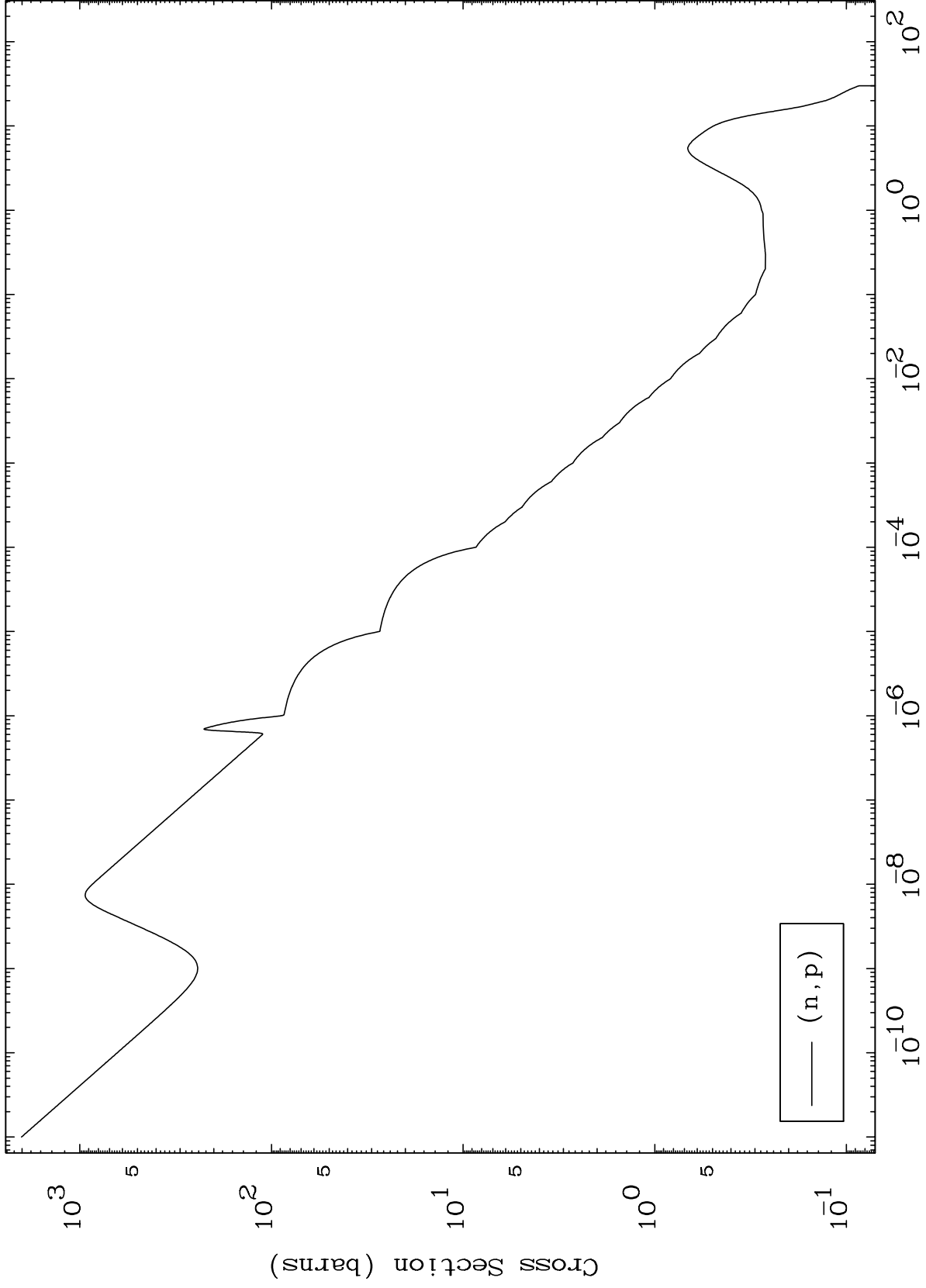
79-Au-180



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(n,p) Levels
293 Kelvin Cross Sections

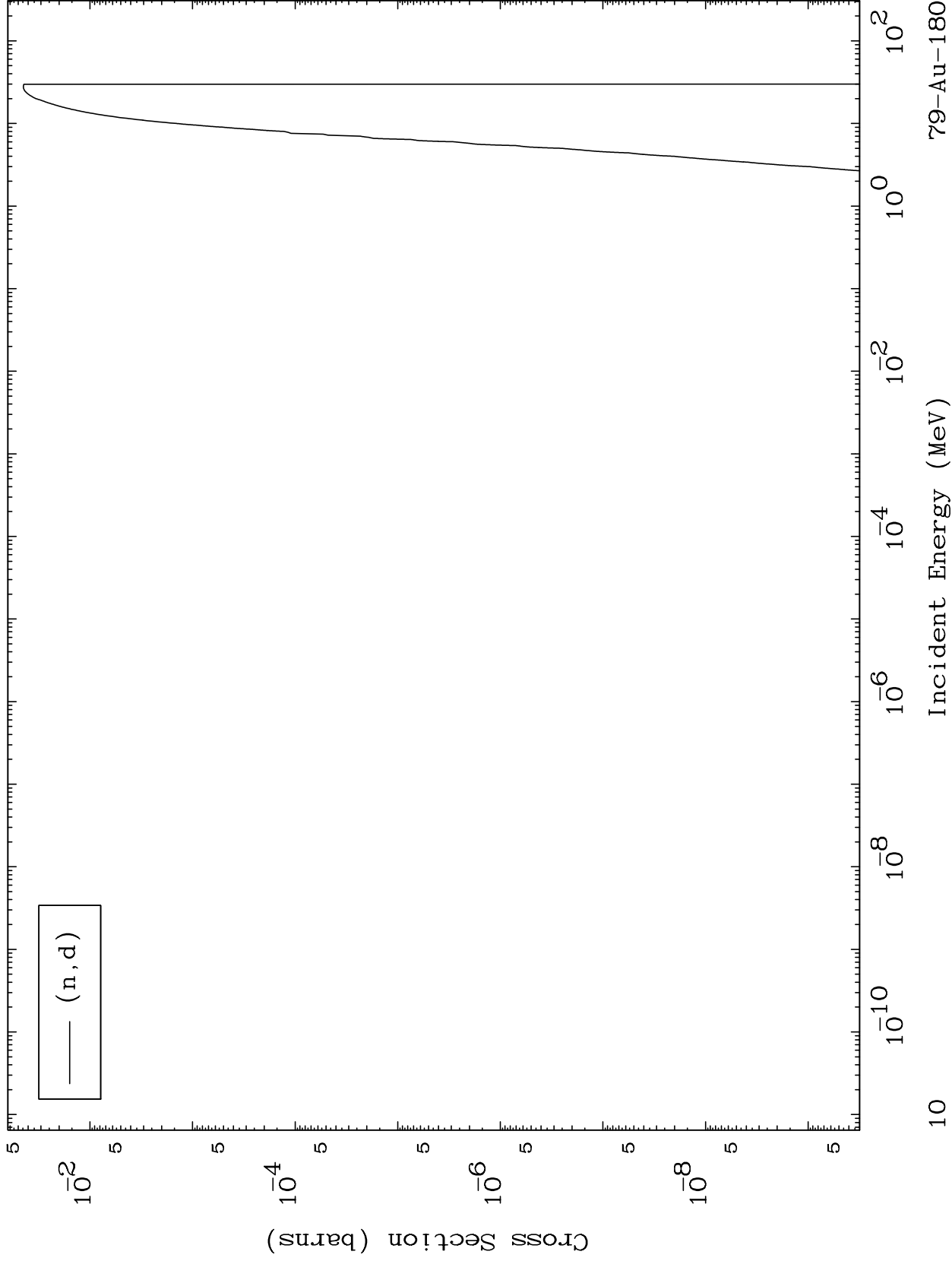
79-Au-180



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(n,d) Levels
293 Kelvin Cross Sections

79-Au-180



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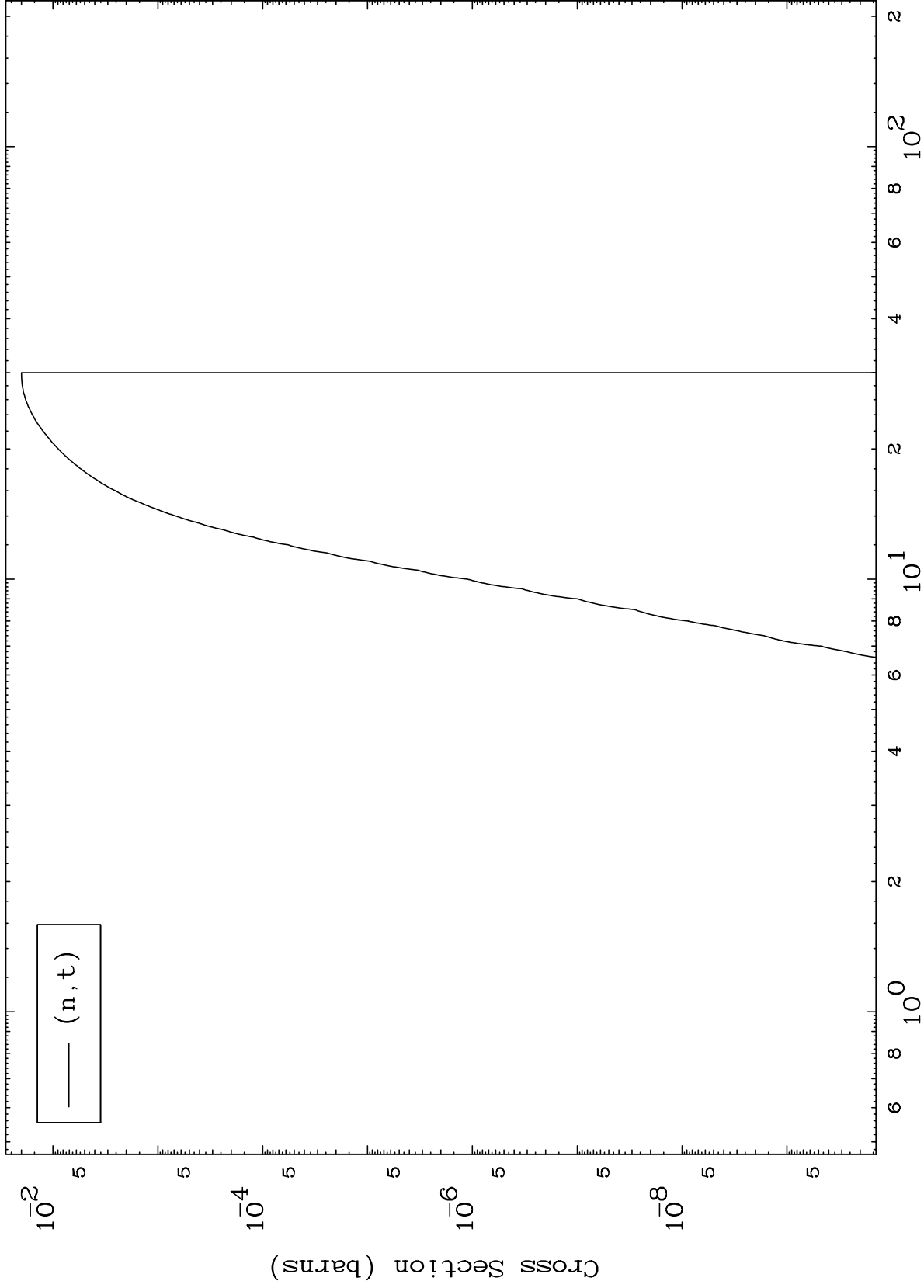
Incident Energy (MeV)

79-Au-180

MAT 7874

79-Au-180

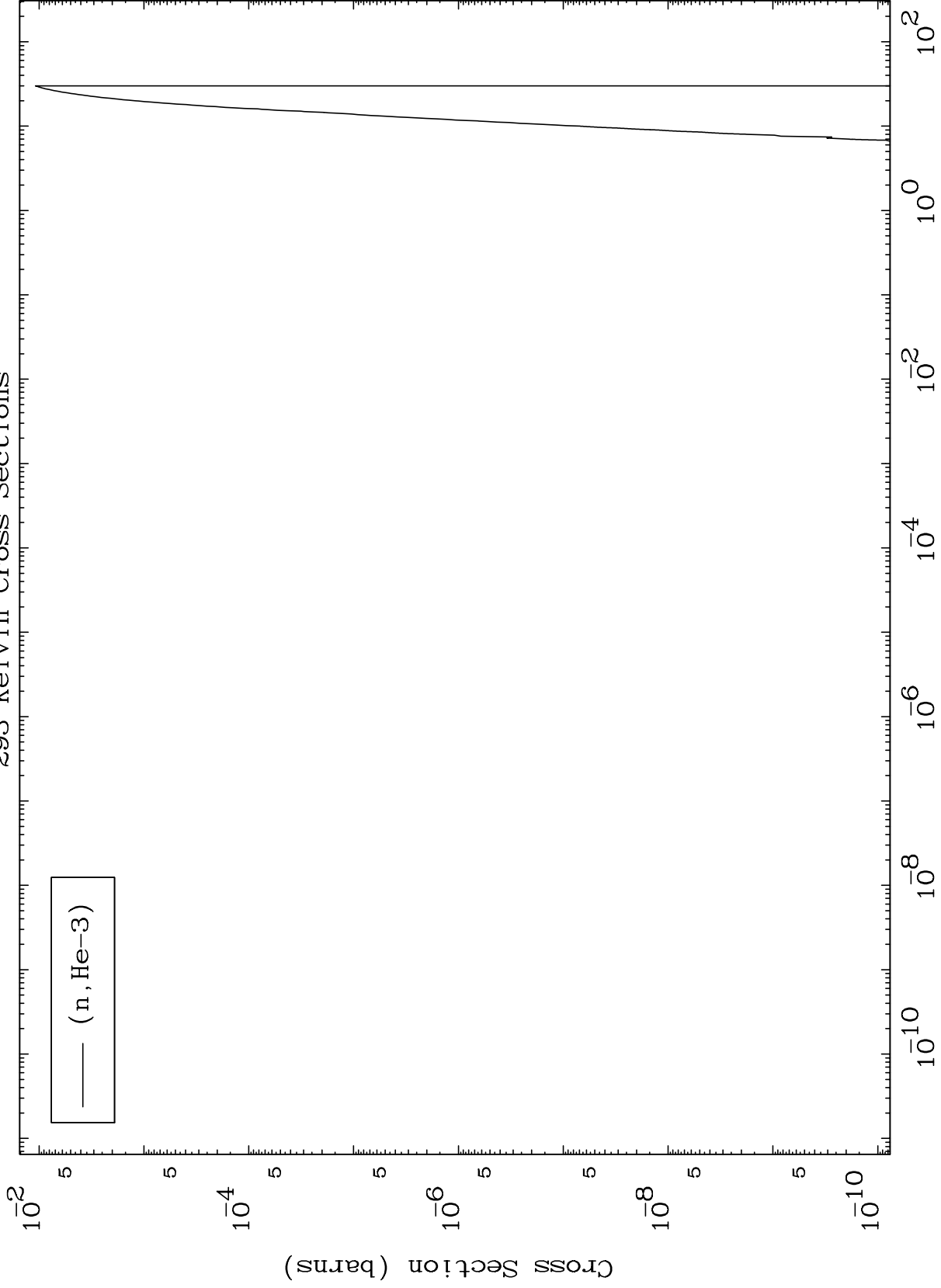
(n,t) Levels
293 Kelvin Cross Sections



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(n,He3) Levels
293 Kelvin Cross Sections

79-Au-180

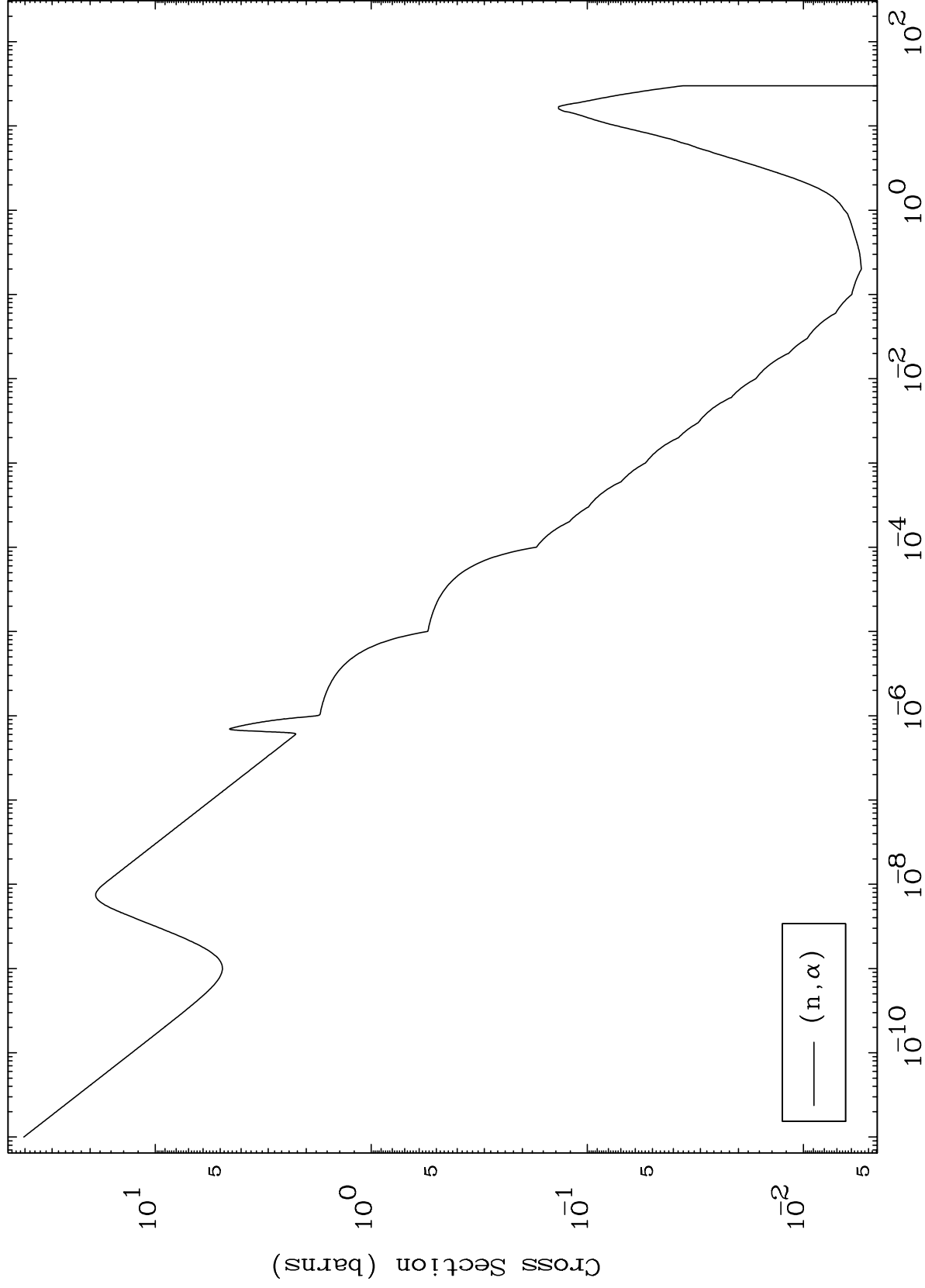


(n, He-3)

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(n, α) Levels
293 Kelvin Cross Sections

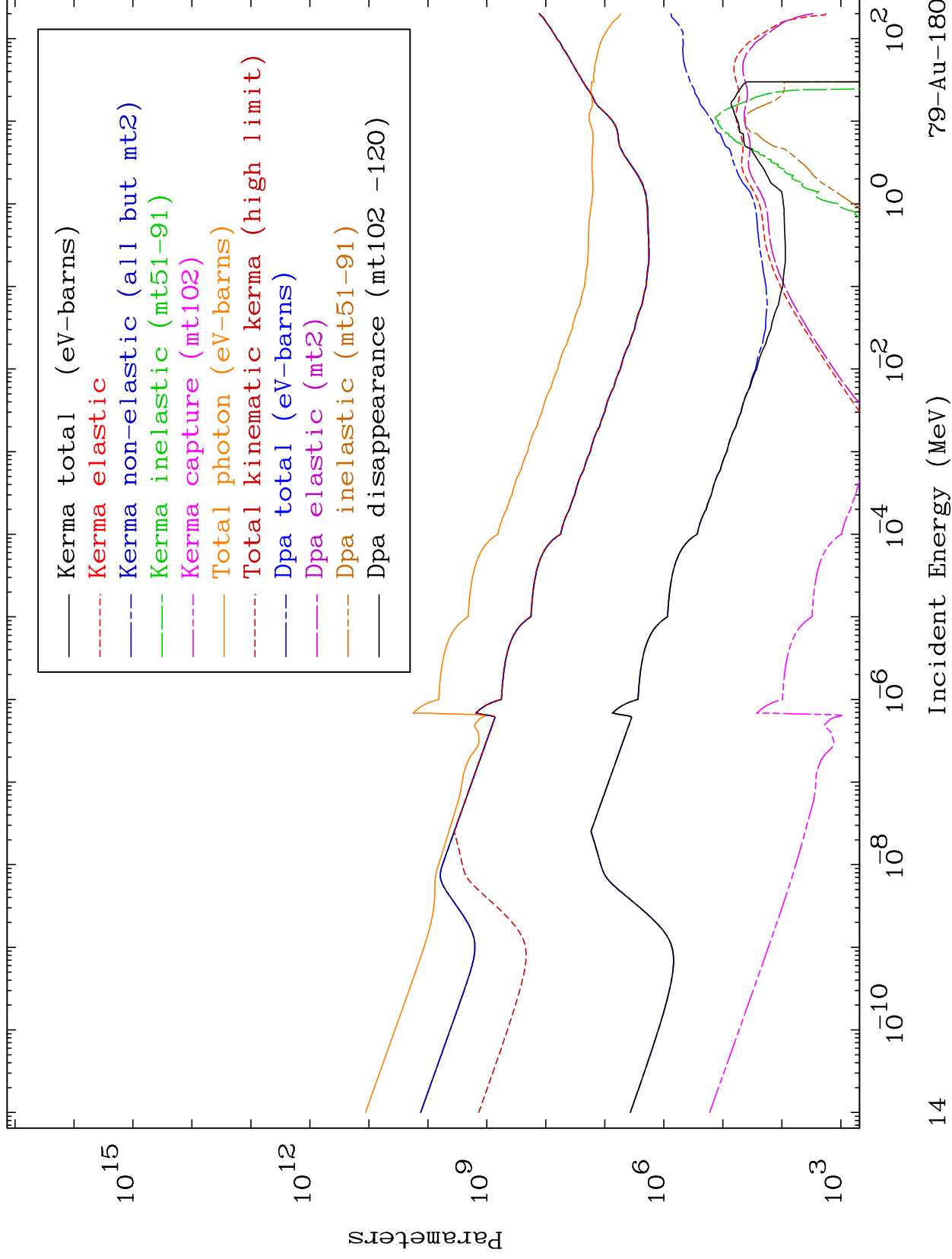
79-Au-180

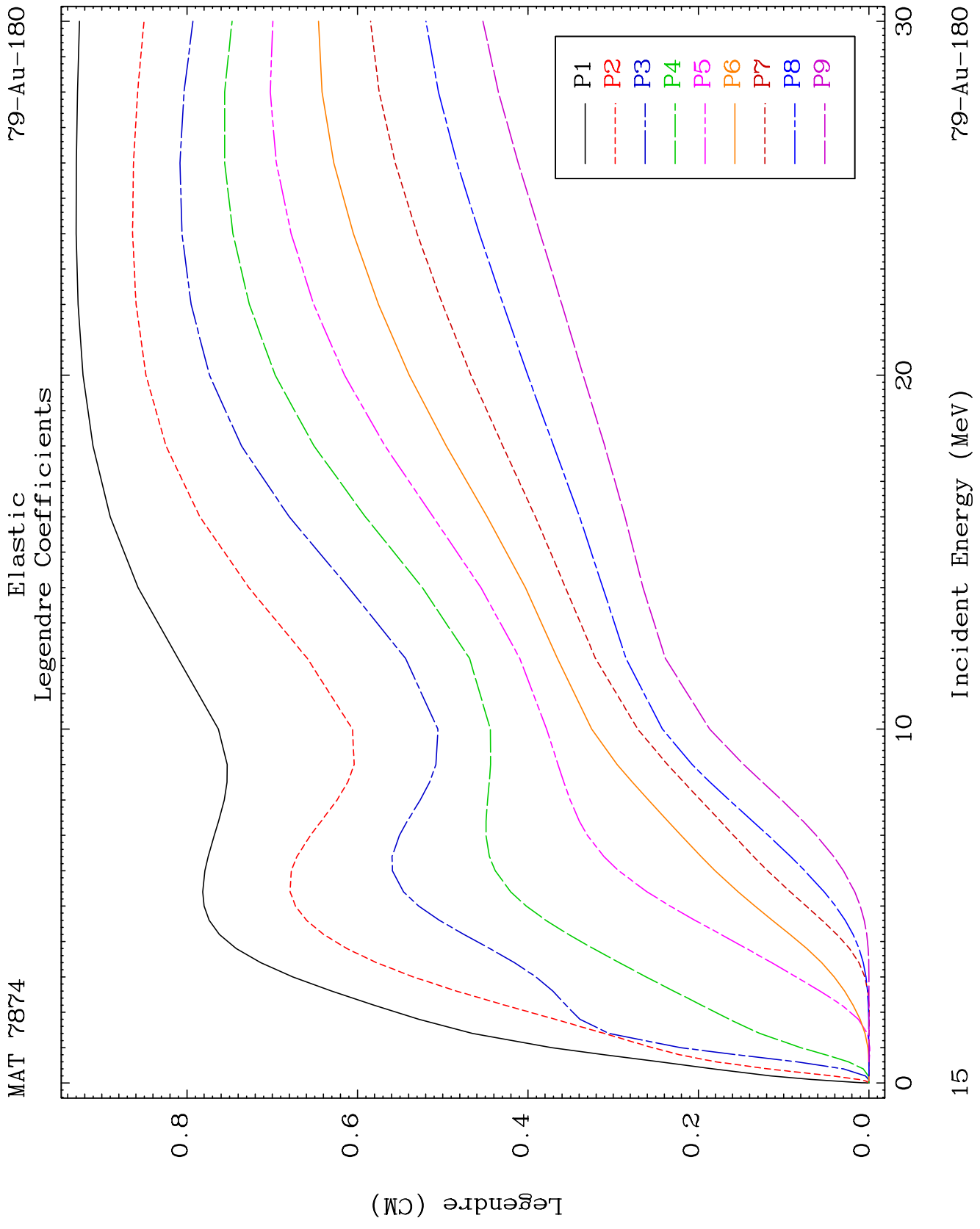


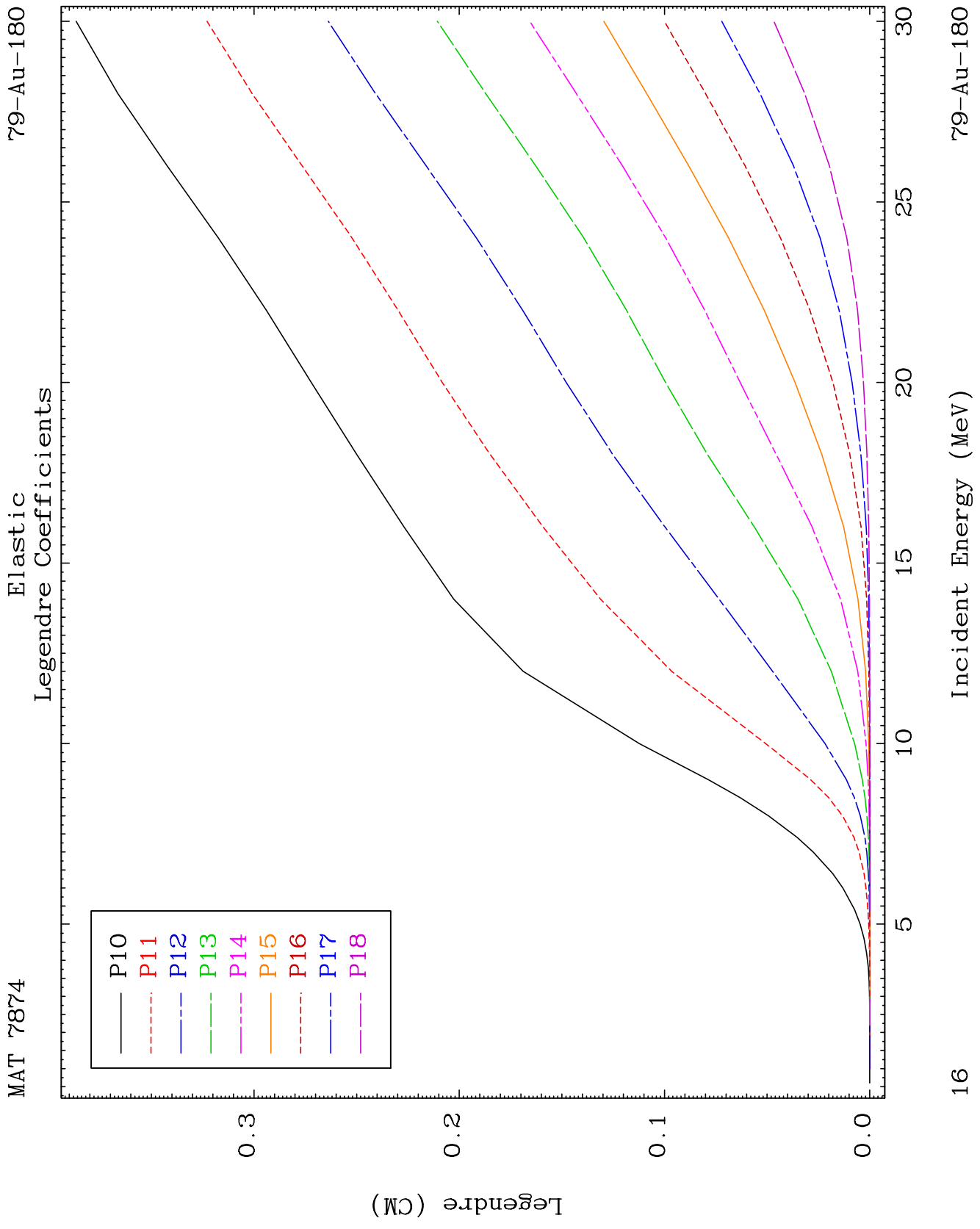
13

Incident Energy (MeV)

79-Au-180



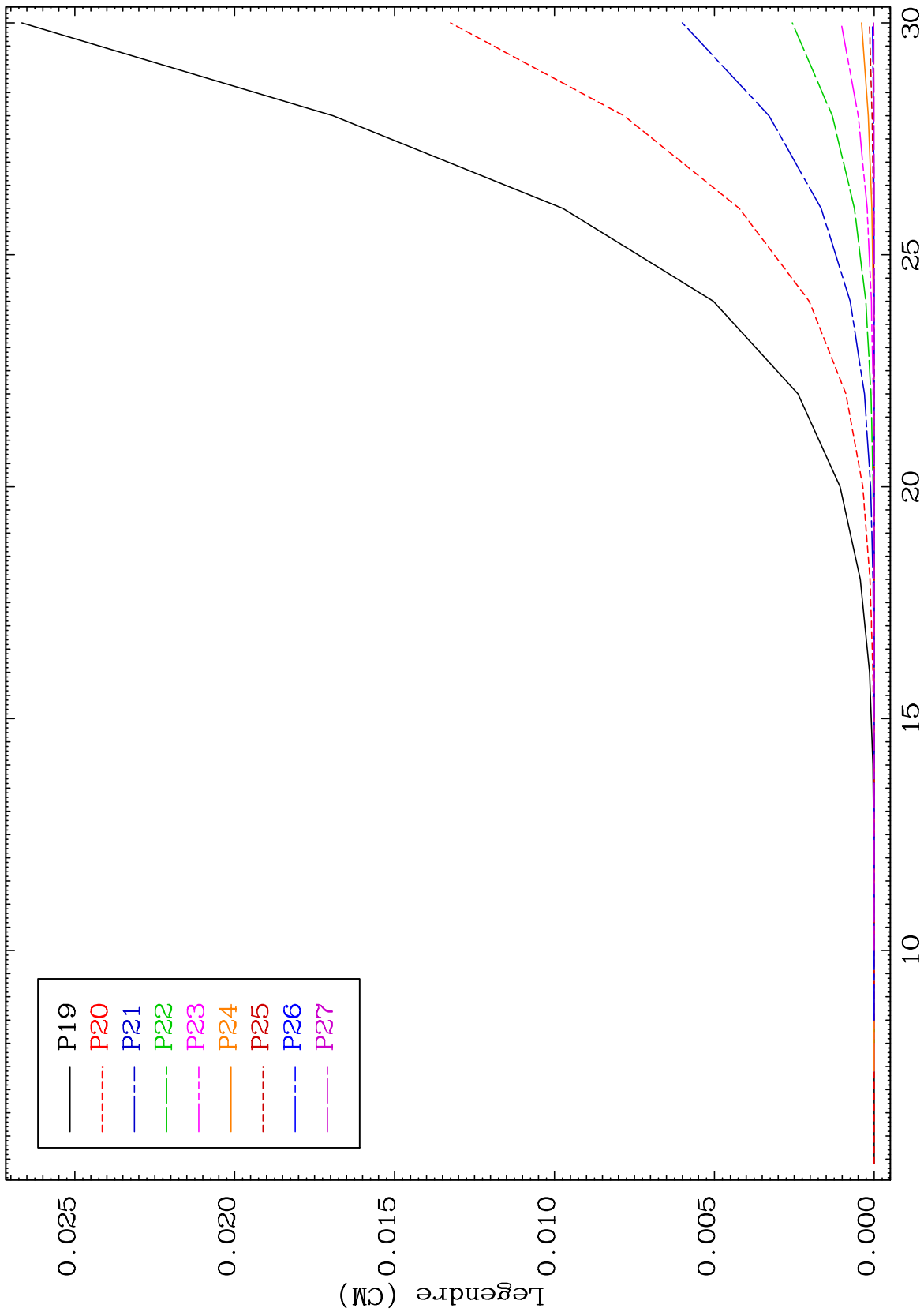




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Elastic Legendre Coefficients

79-Au-180



17

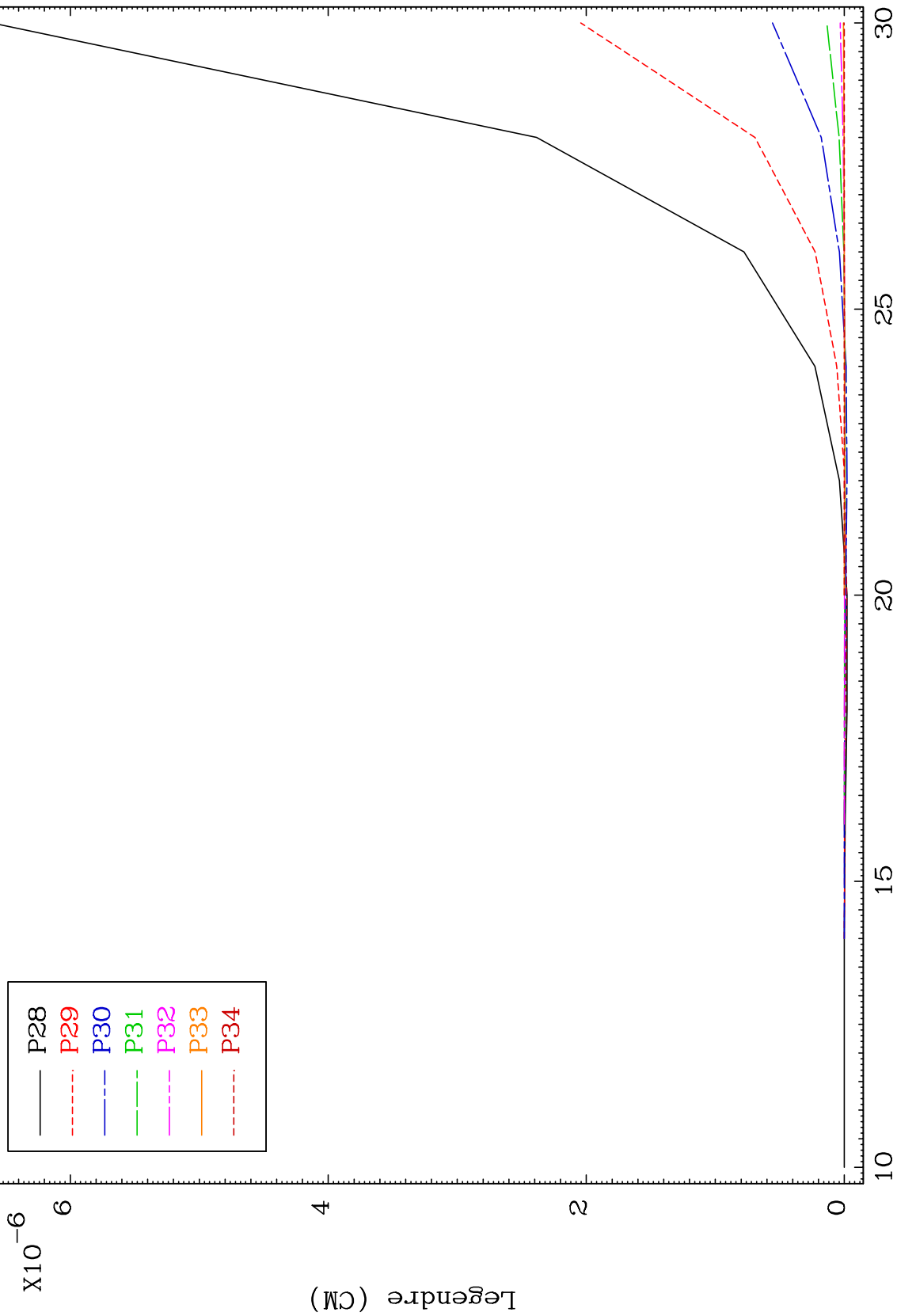
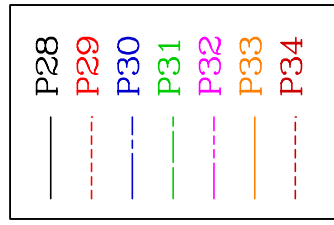
Incident Energy (MeV)

79-Au-180

MAT 7874

Elastic
Legendre Coefficients

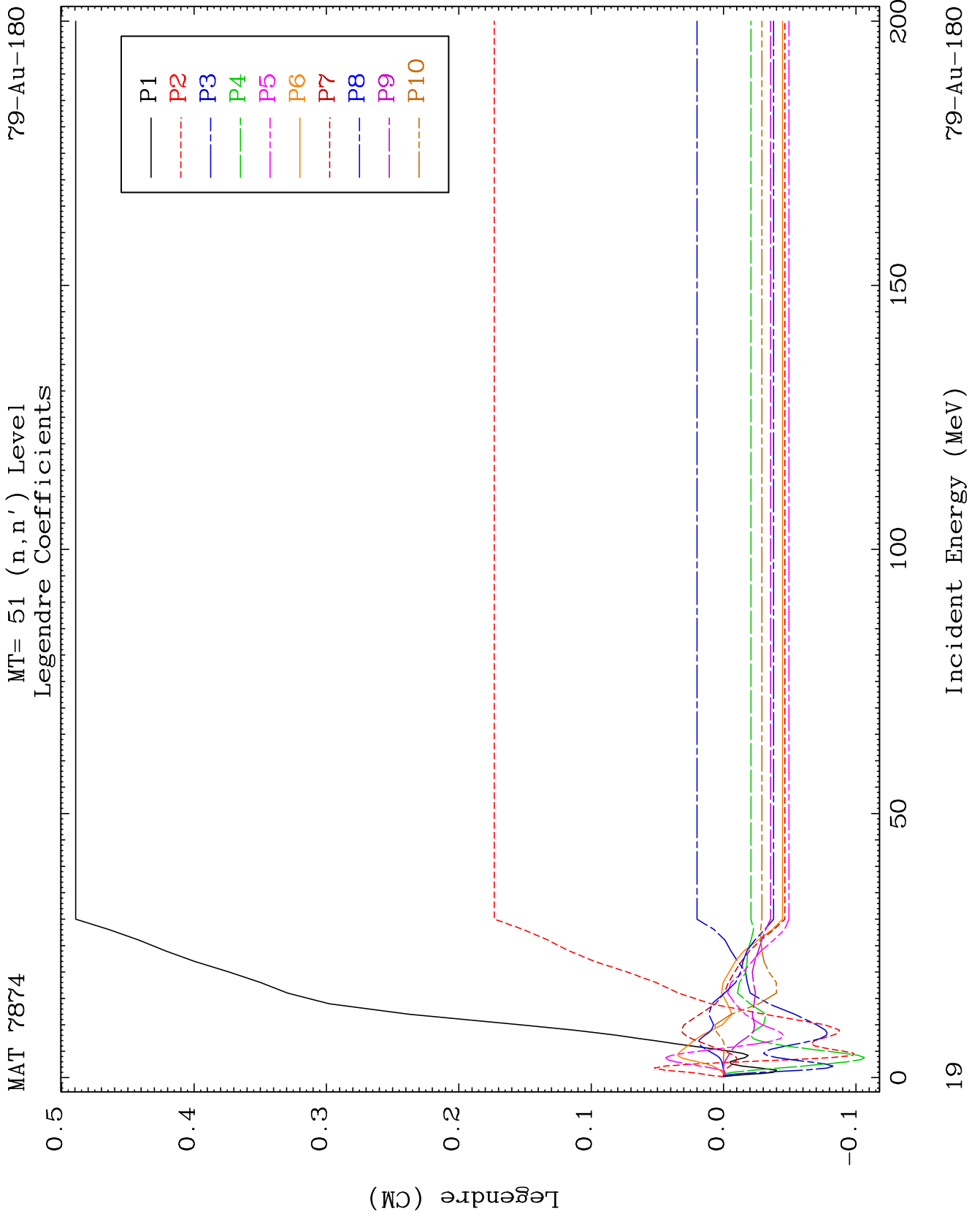
79-Au-180



18

Incident Energy (MeV)

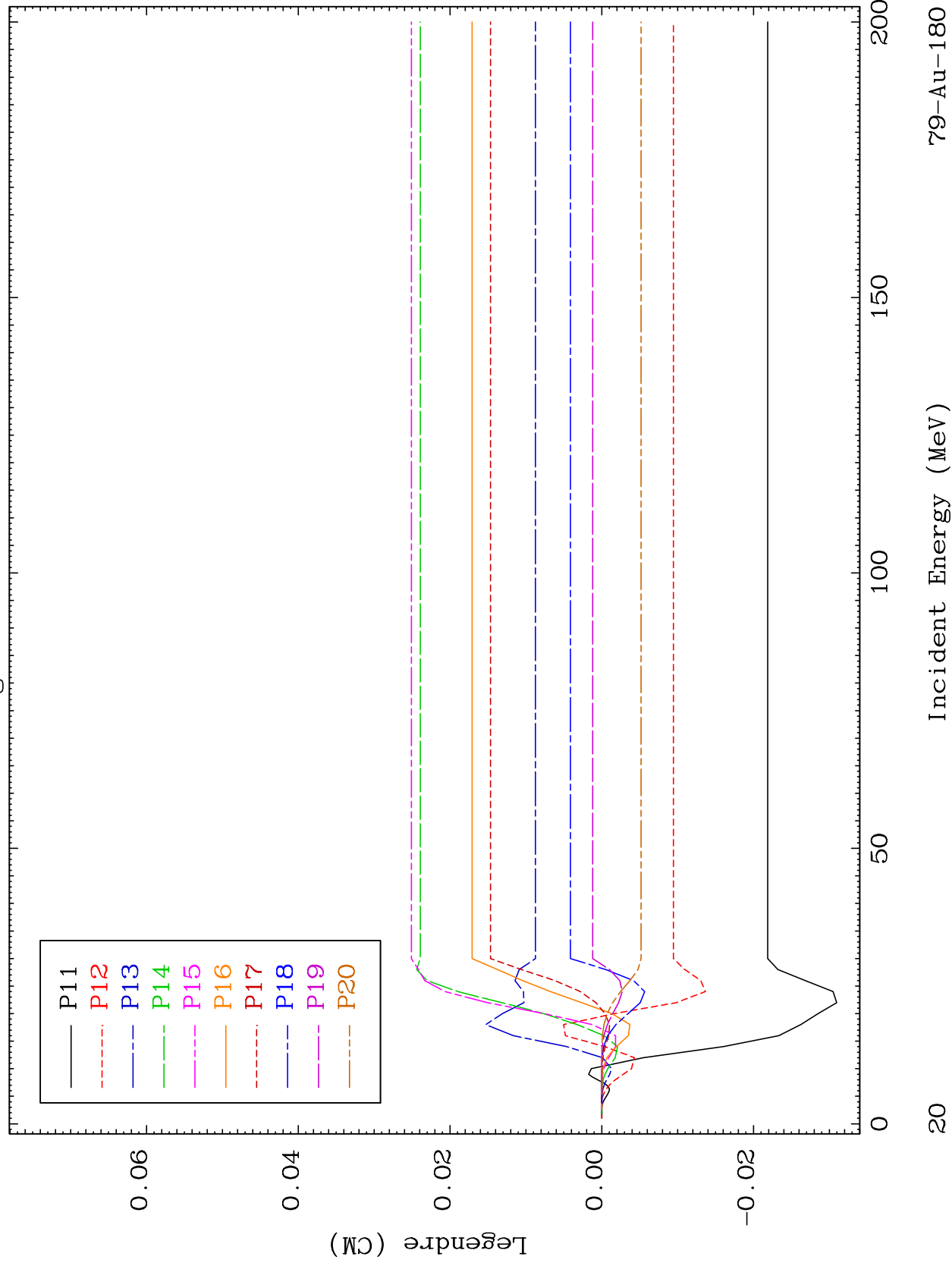
79-Au-180



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

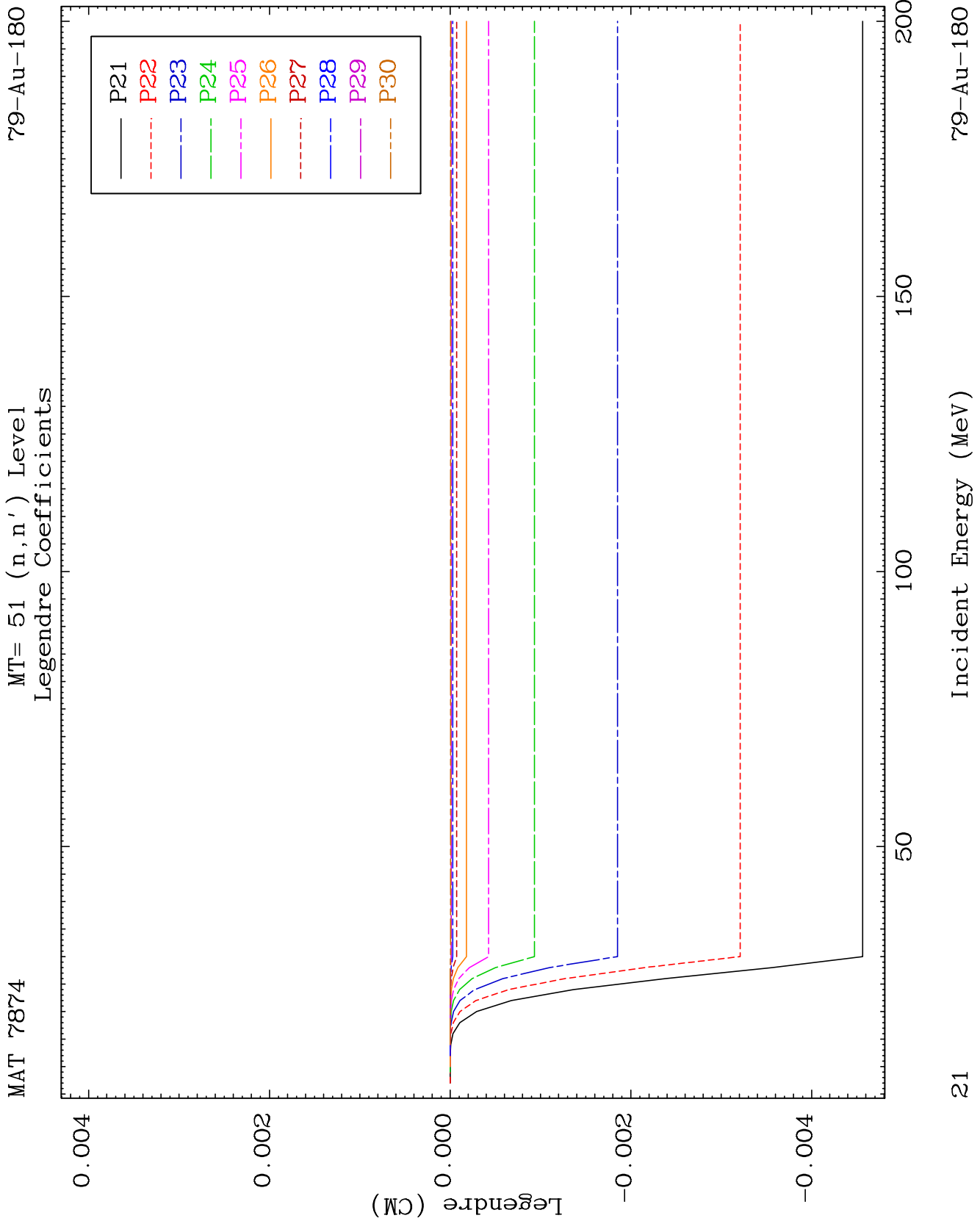
79-Au-180

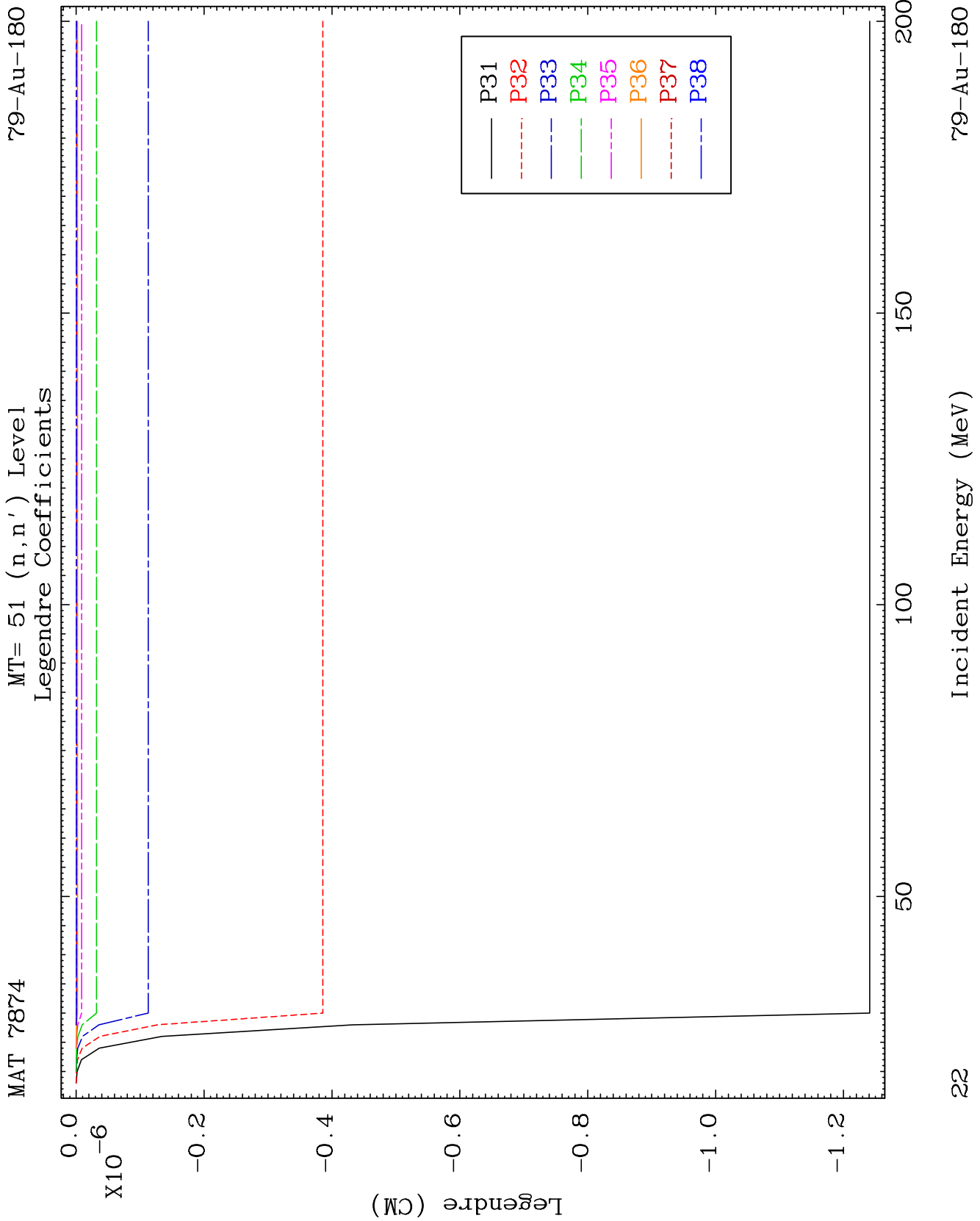


79-Au-180

Incident Energy (MeV)

0



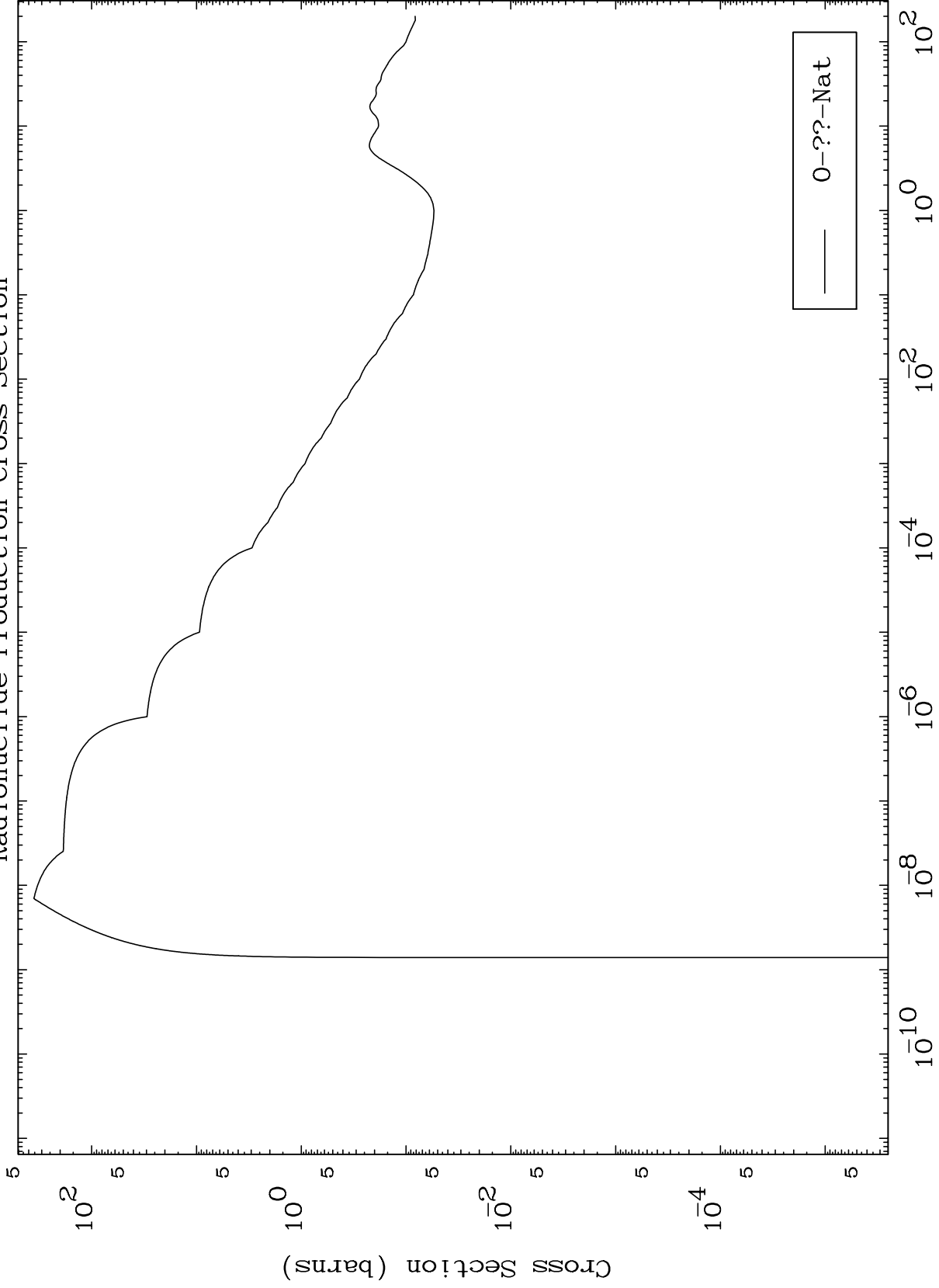


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Fission

79-Au-180

Radionuclide Production Cross Section



23

Incident Energy (MeV)

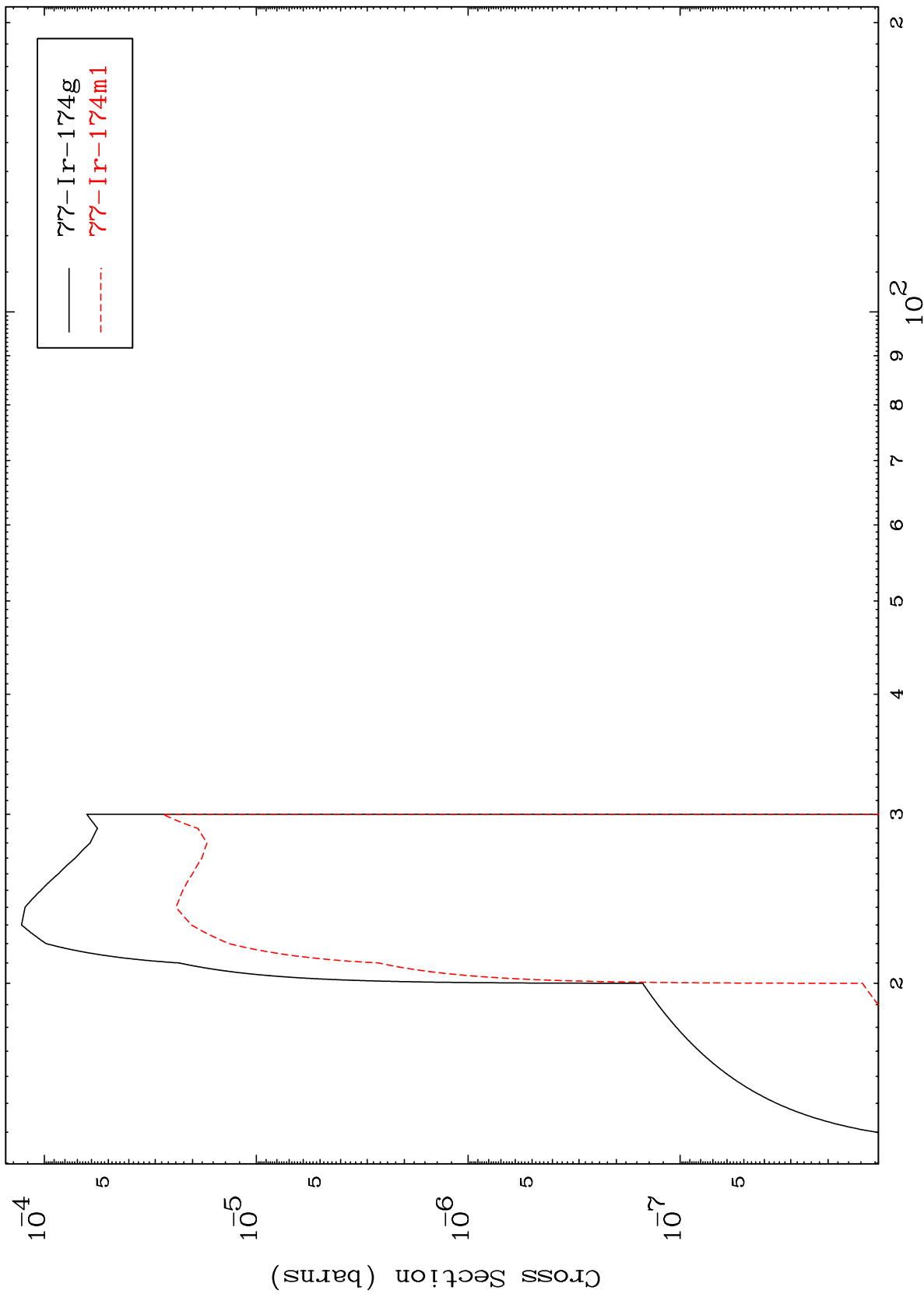
79-Au-180

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(n,3n) α

79-Au-180

Radionuclide Production Cross Section



24

Incident Energy (MeV)

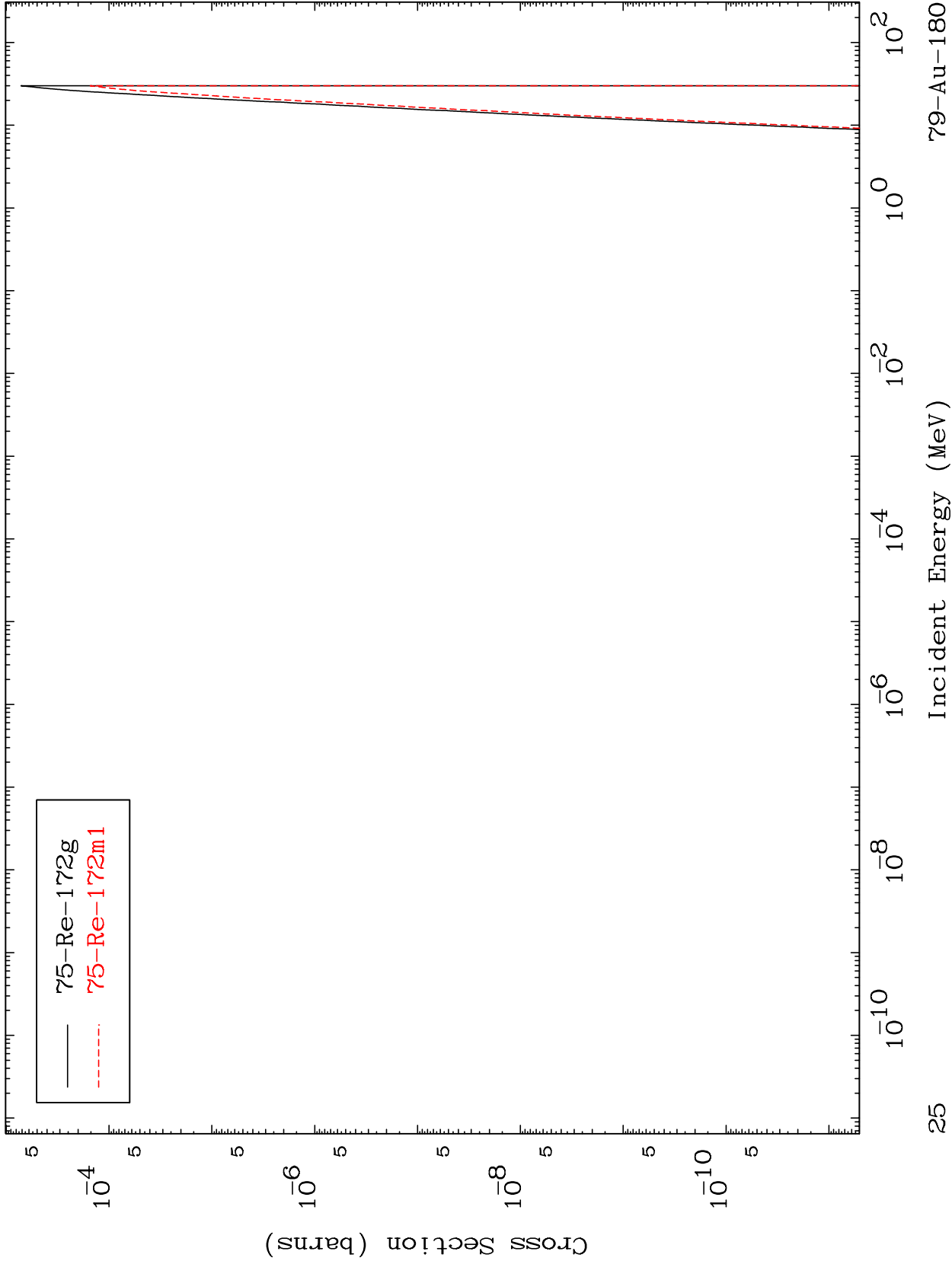
79-Au-180

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(n,n') 2α

79-Au-180

Radionuclide Production Cross Section

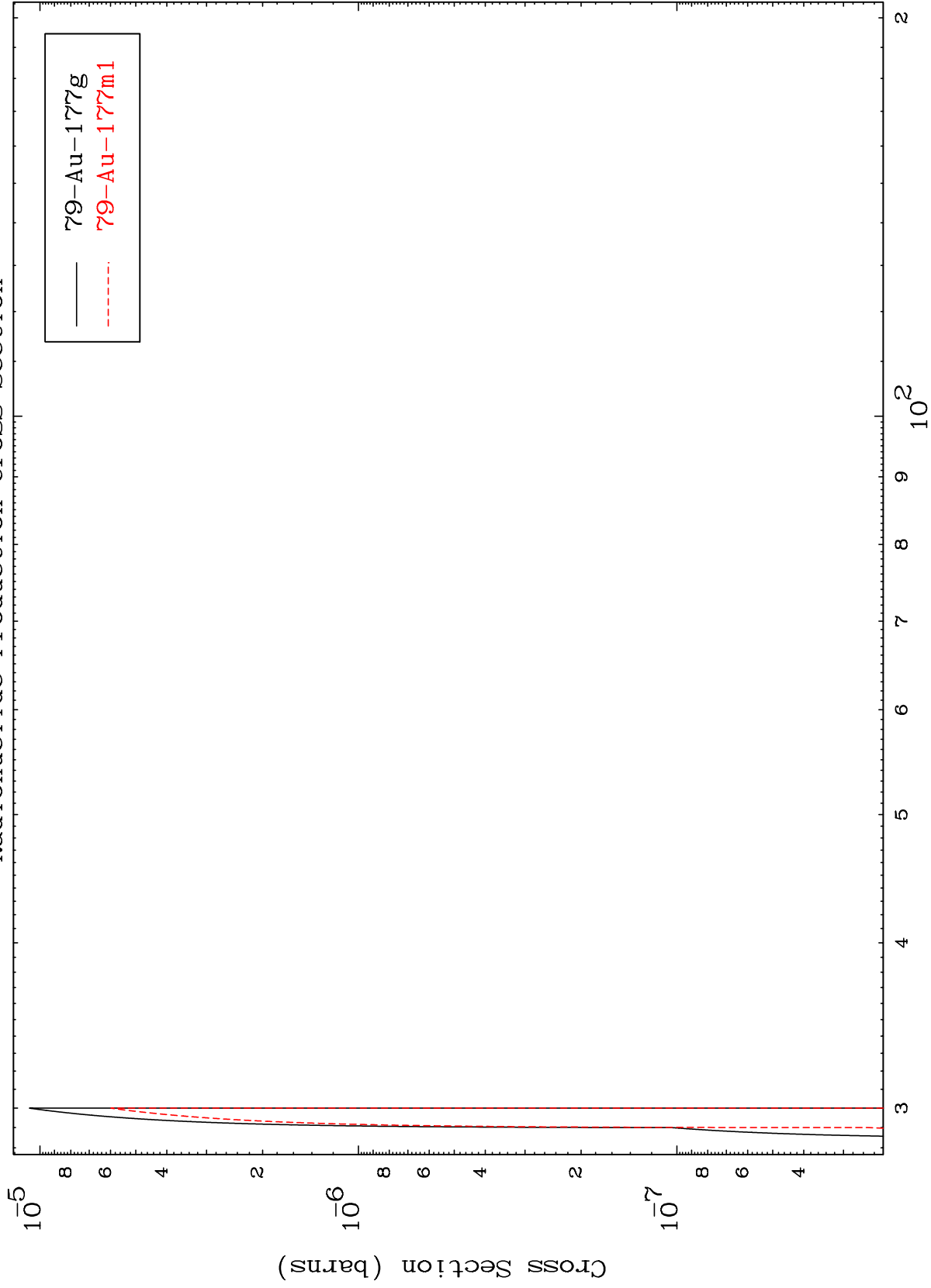


— 75-Re-172g
- - - 75-Re-172m1

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⁷⁹Au-180

(n,4n)
Radionuclide Production Cross Section



26

Incident Energy (MeV)

⁷⁹Au-180