

Program EVALPLOT
(Version 2021-1)

by

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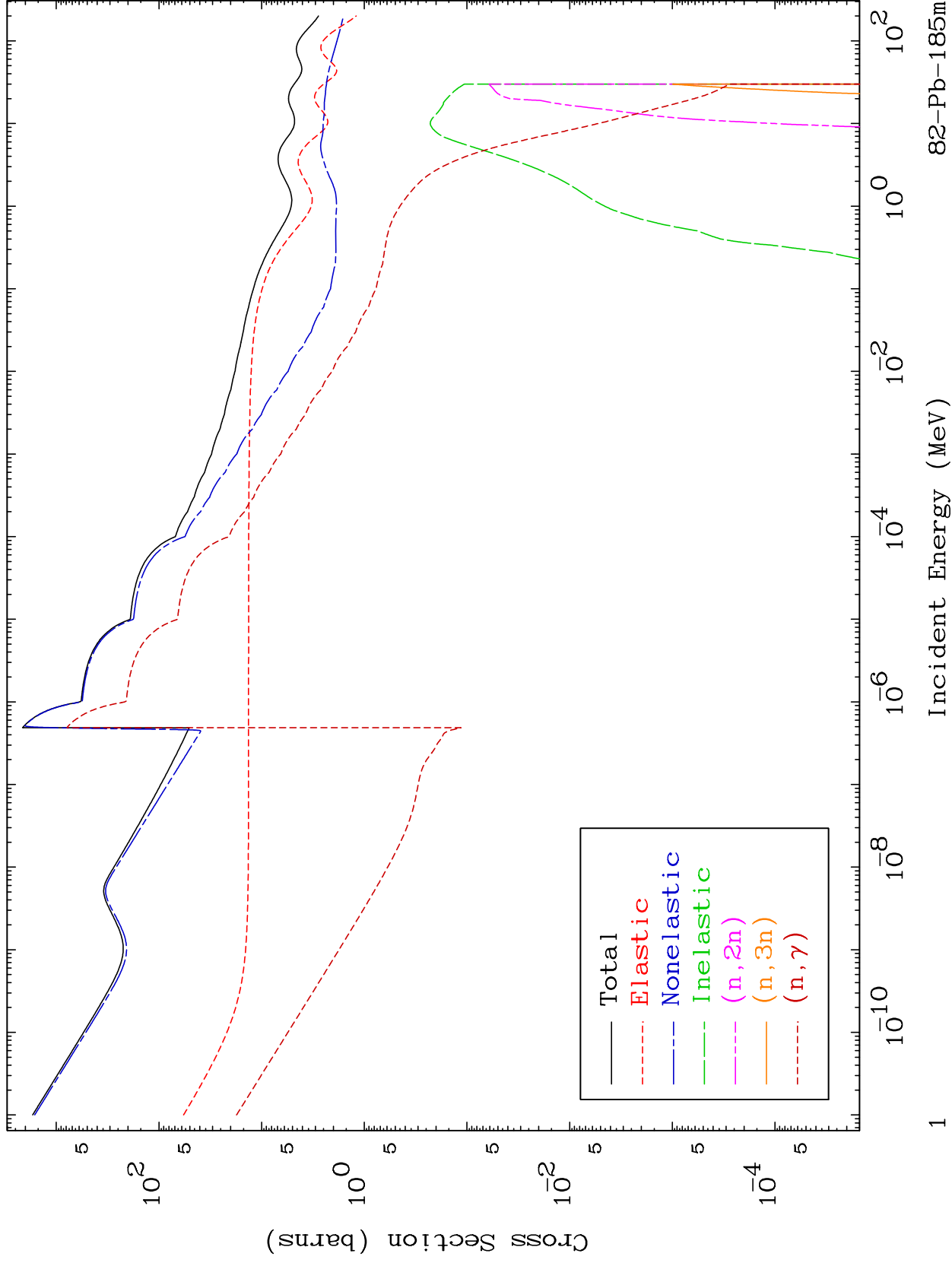
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8169

Neutron Major
293 Kelvin Cross Sections

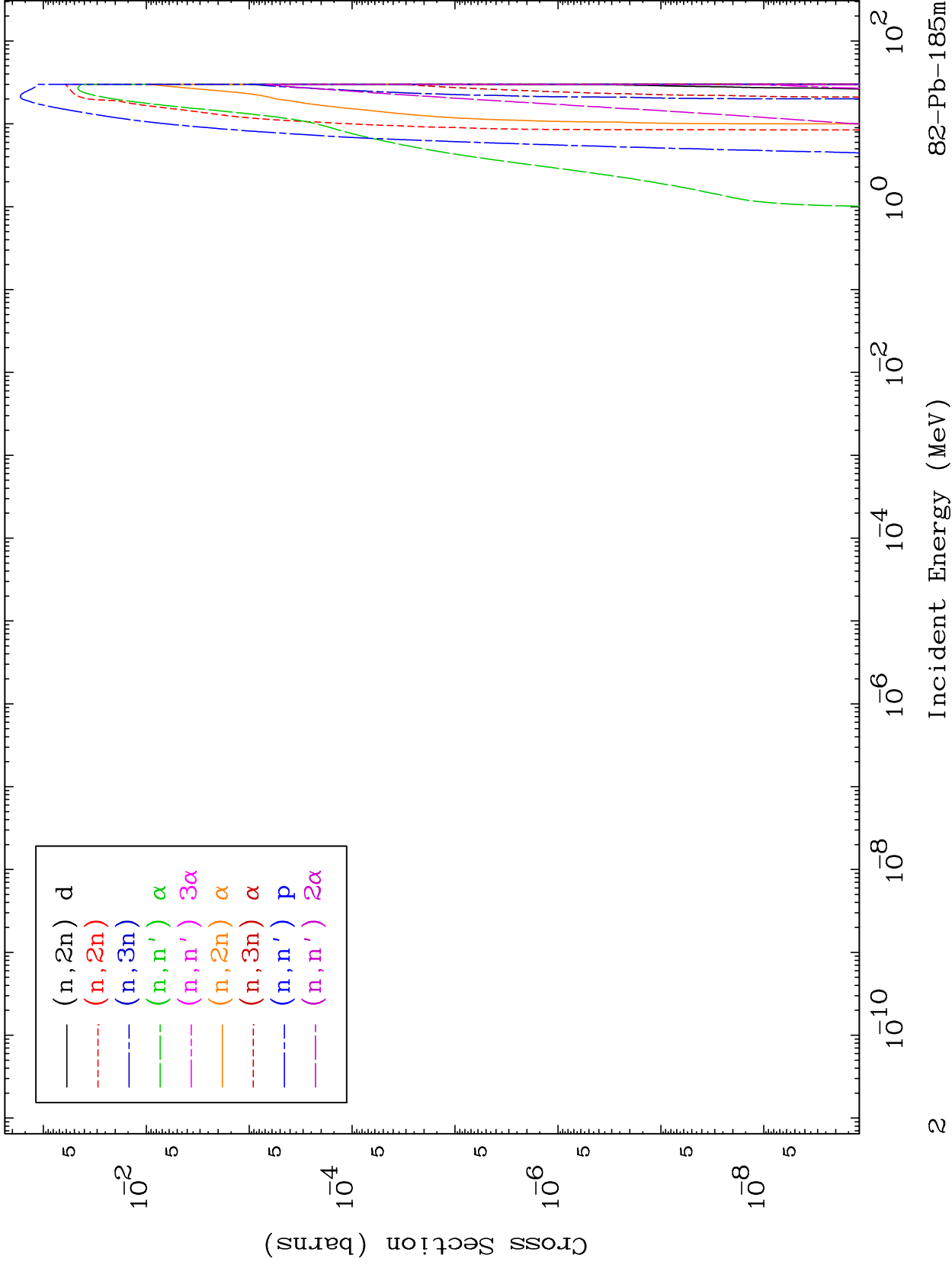
82-Pb-185m



MAT 8169

Neutron Absorption
293 Kelvin Cross Sections

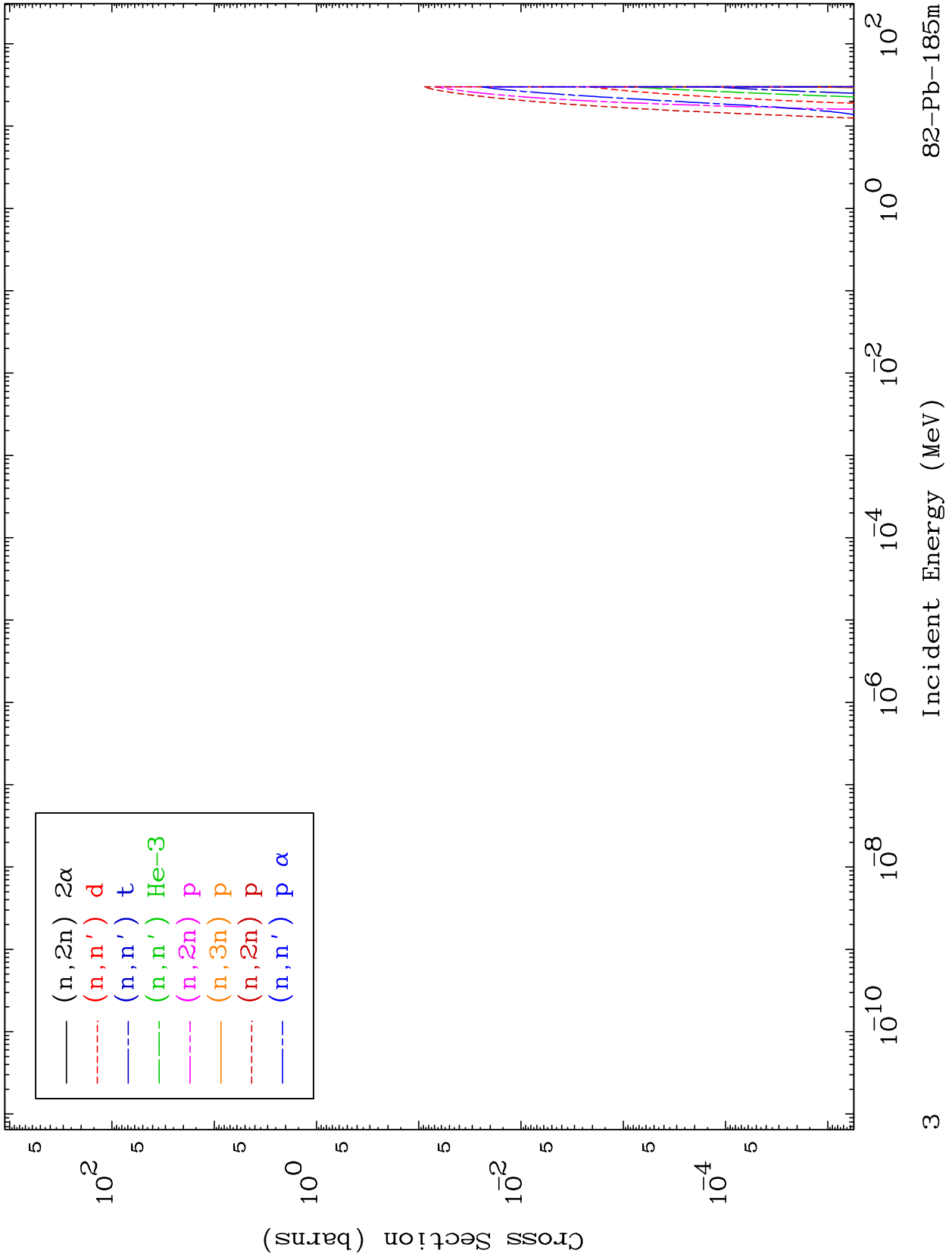
82-Pb-185m



MAT 8169

Neutron Absorption
293 Kelvin Cross Sections

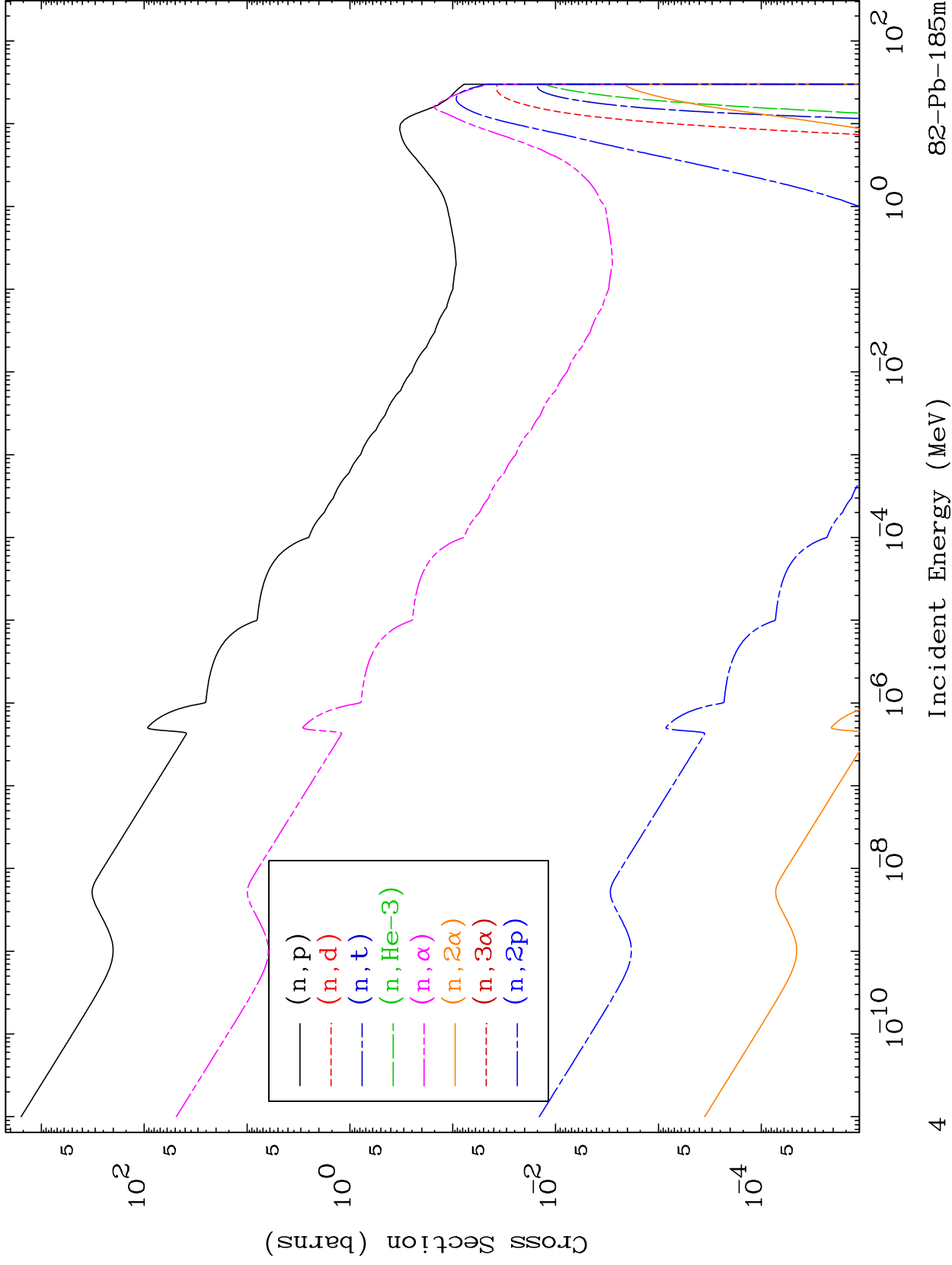
82-Pb-185m



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Neutron Absorption
293 Kelvin Cross Sections

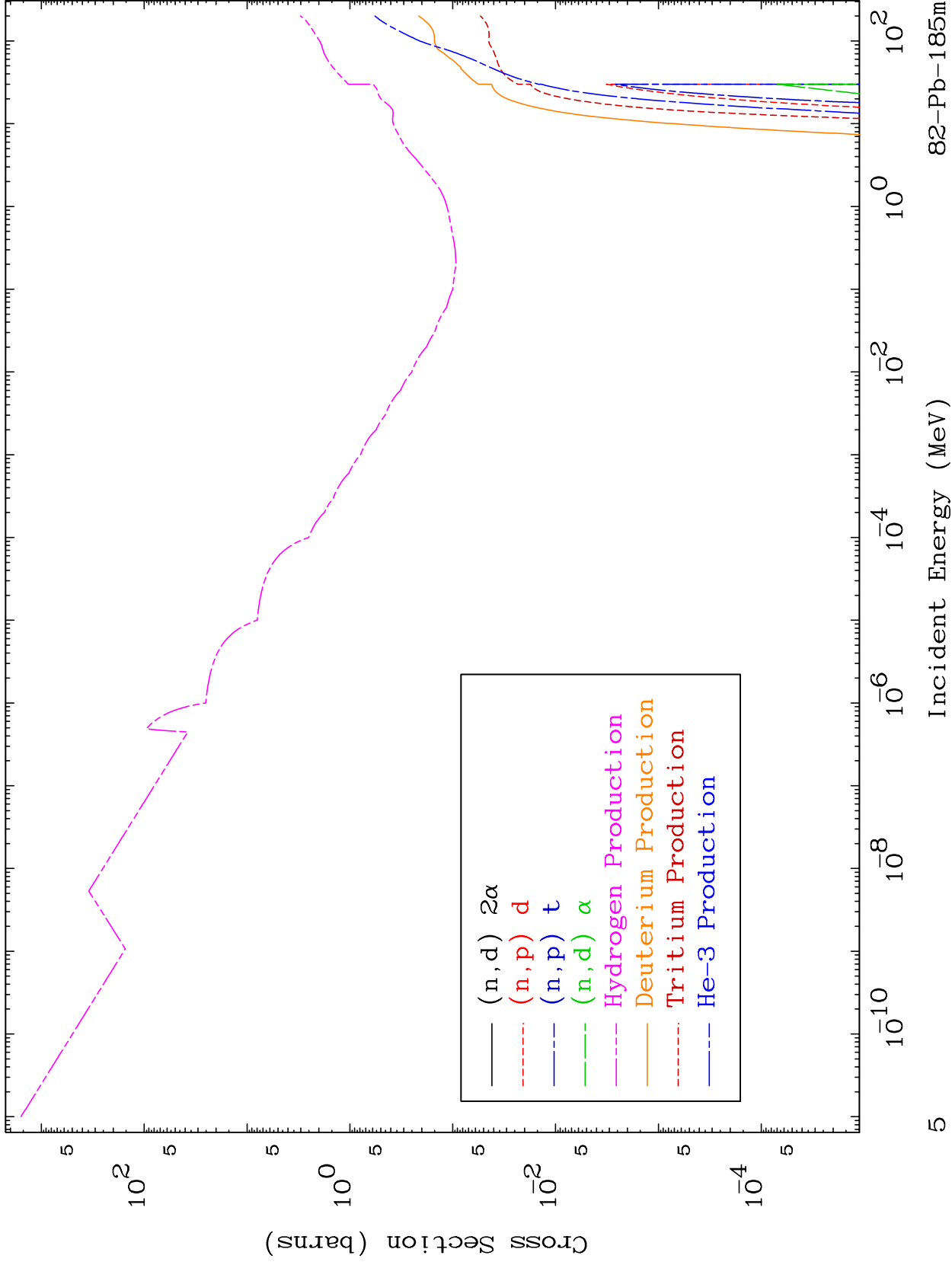
82-Pb-185m

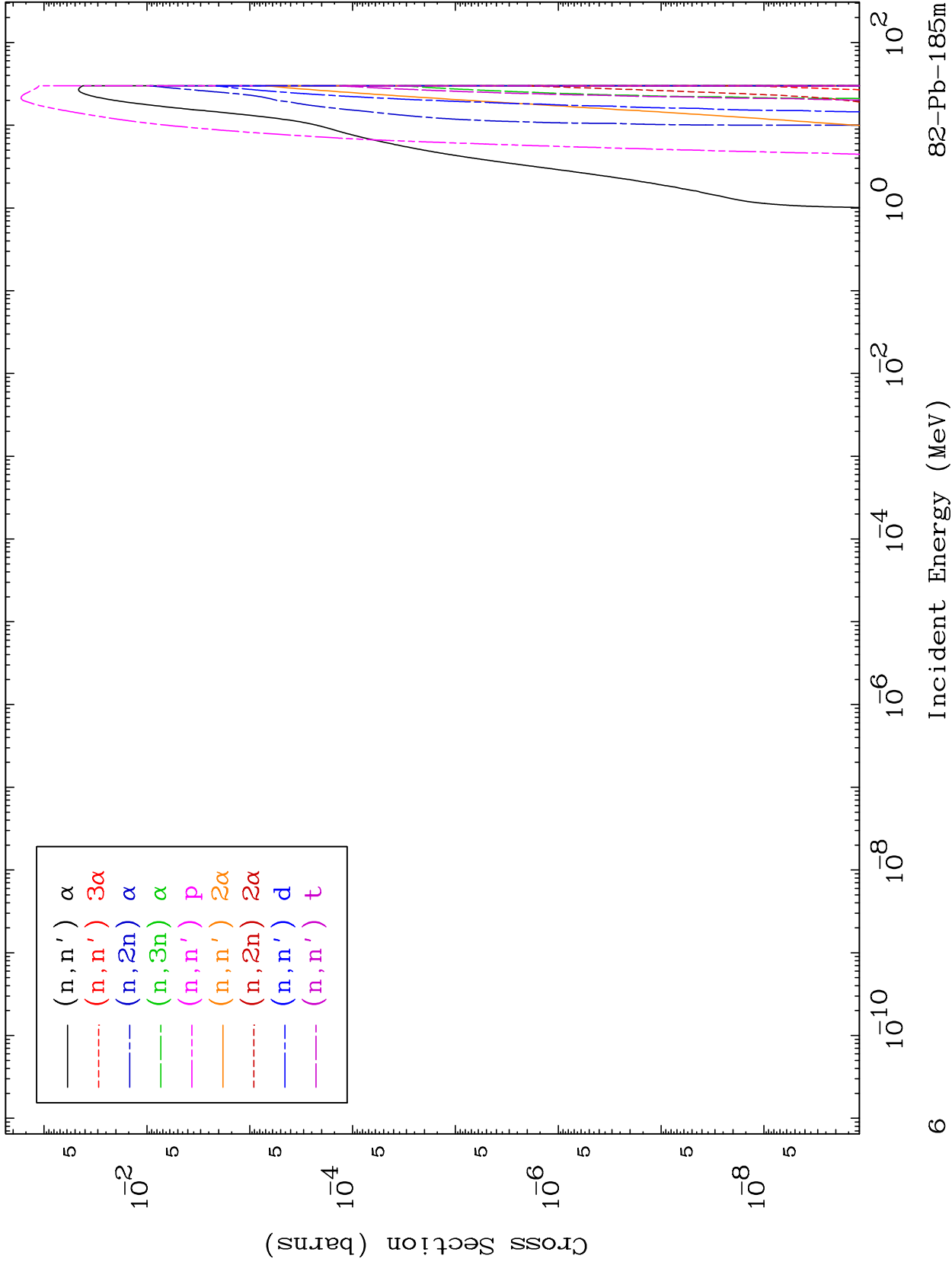


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Neutron Absorption
293 Kelvin Cross Sections

82-Pb-185m

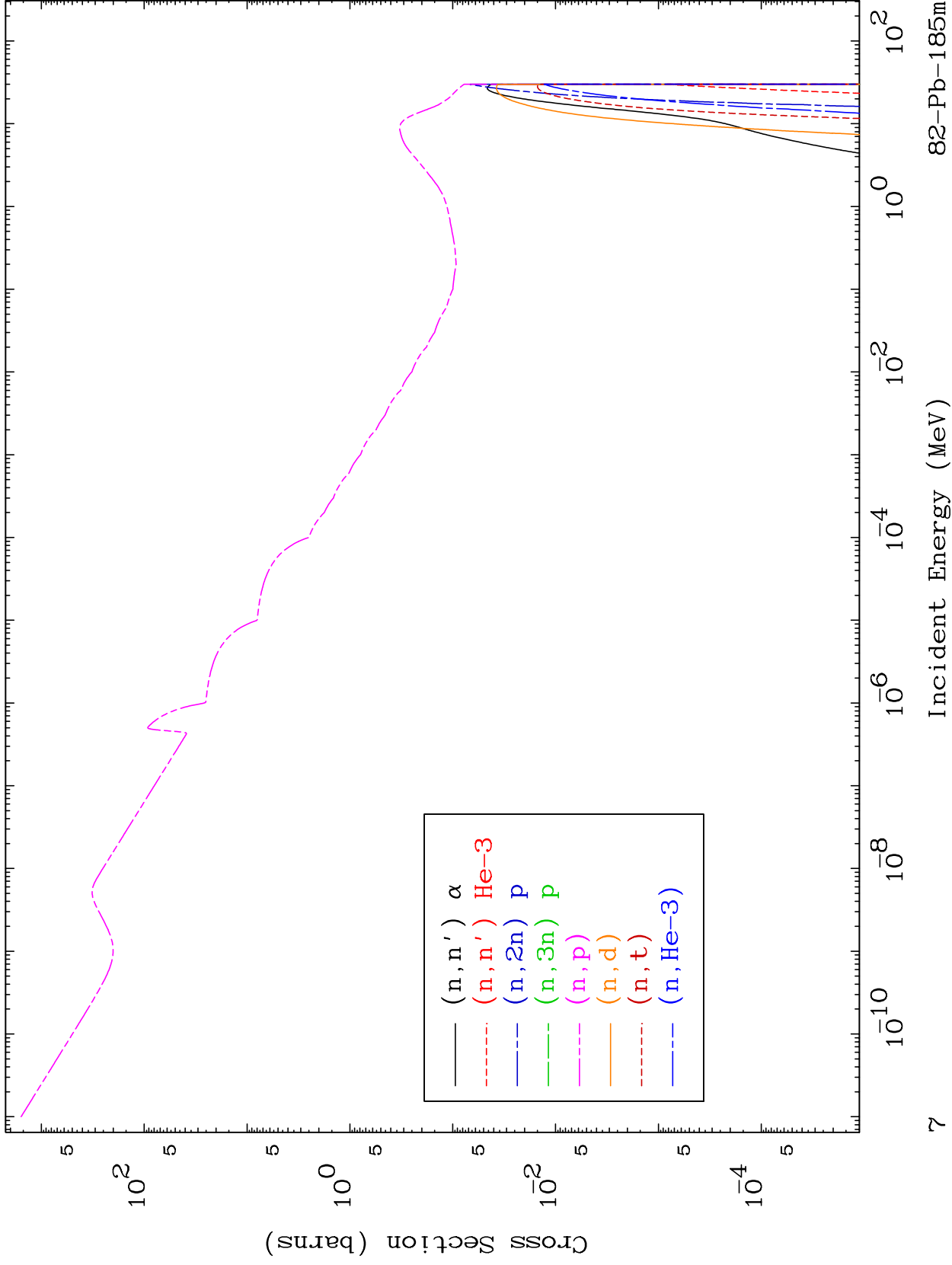




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Charged Particle
293 Kelvin Cross Sections

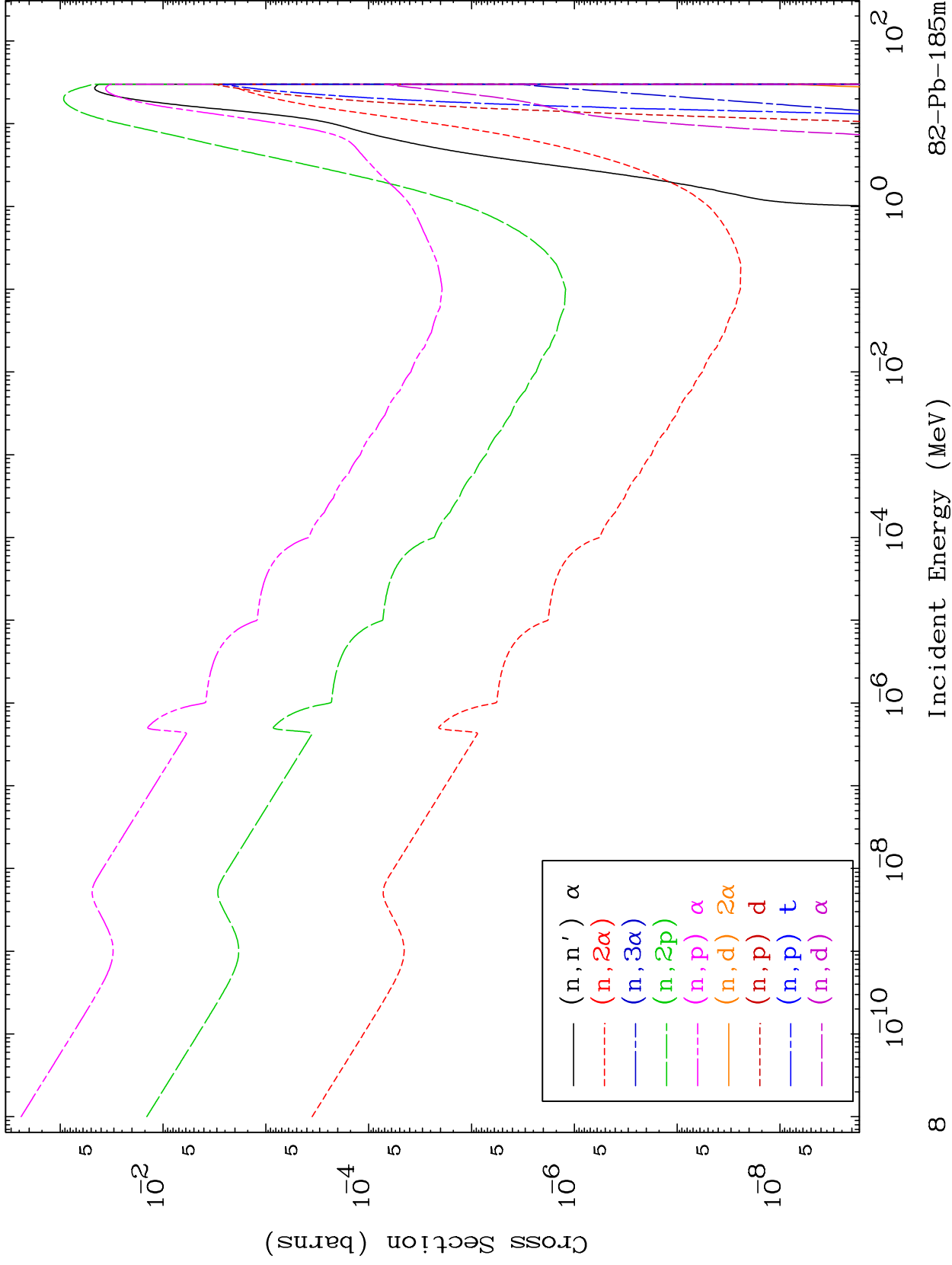
82-Pb-185m

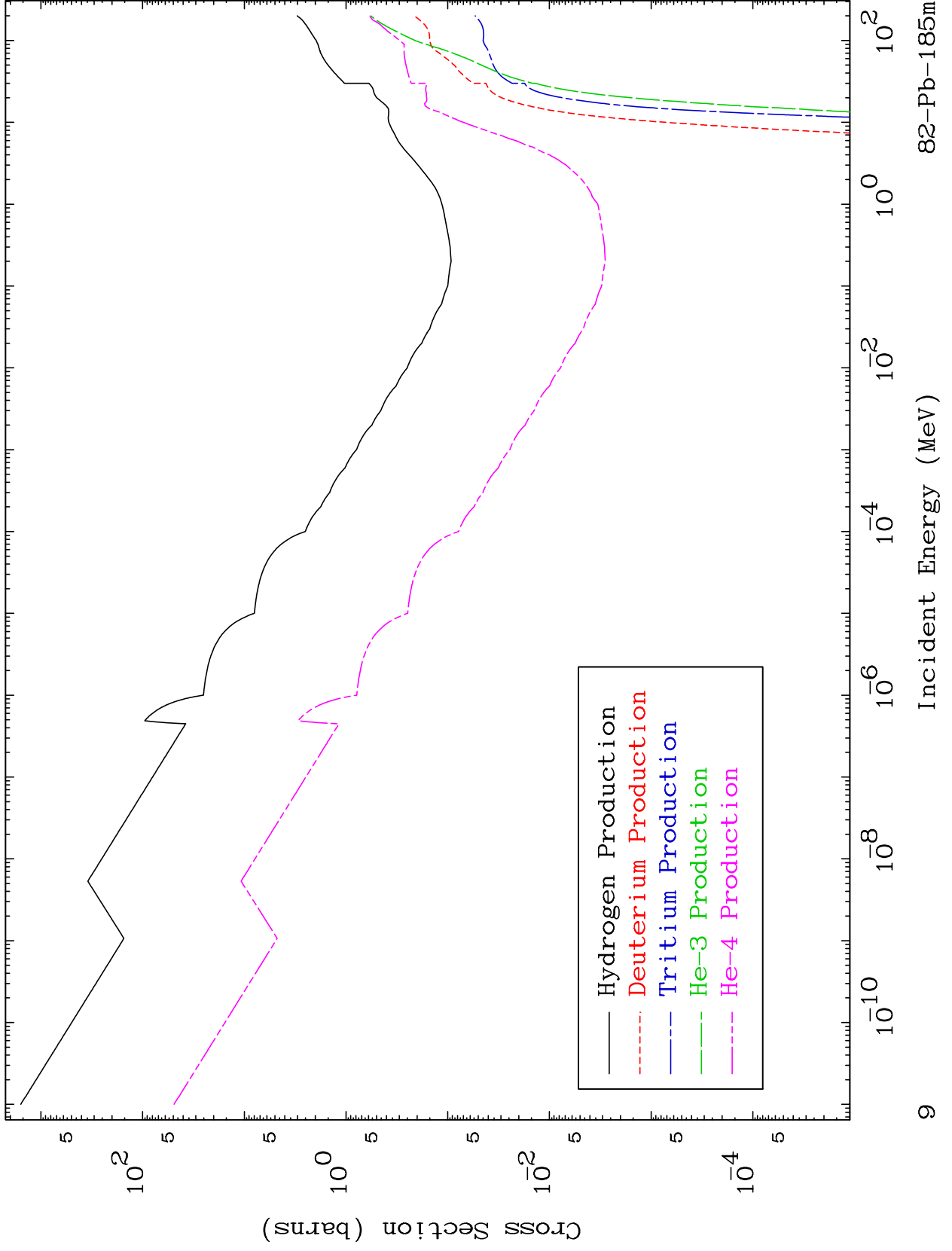


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Charged Particle
293 Kelvin Cross Sections

82-Pb-185m

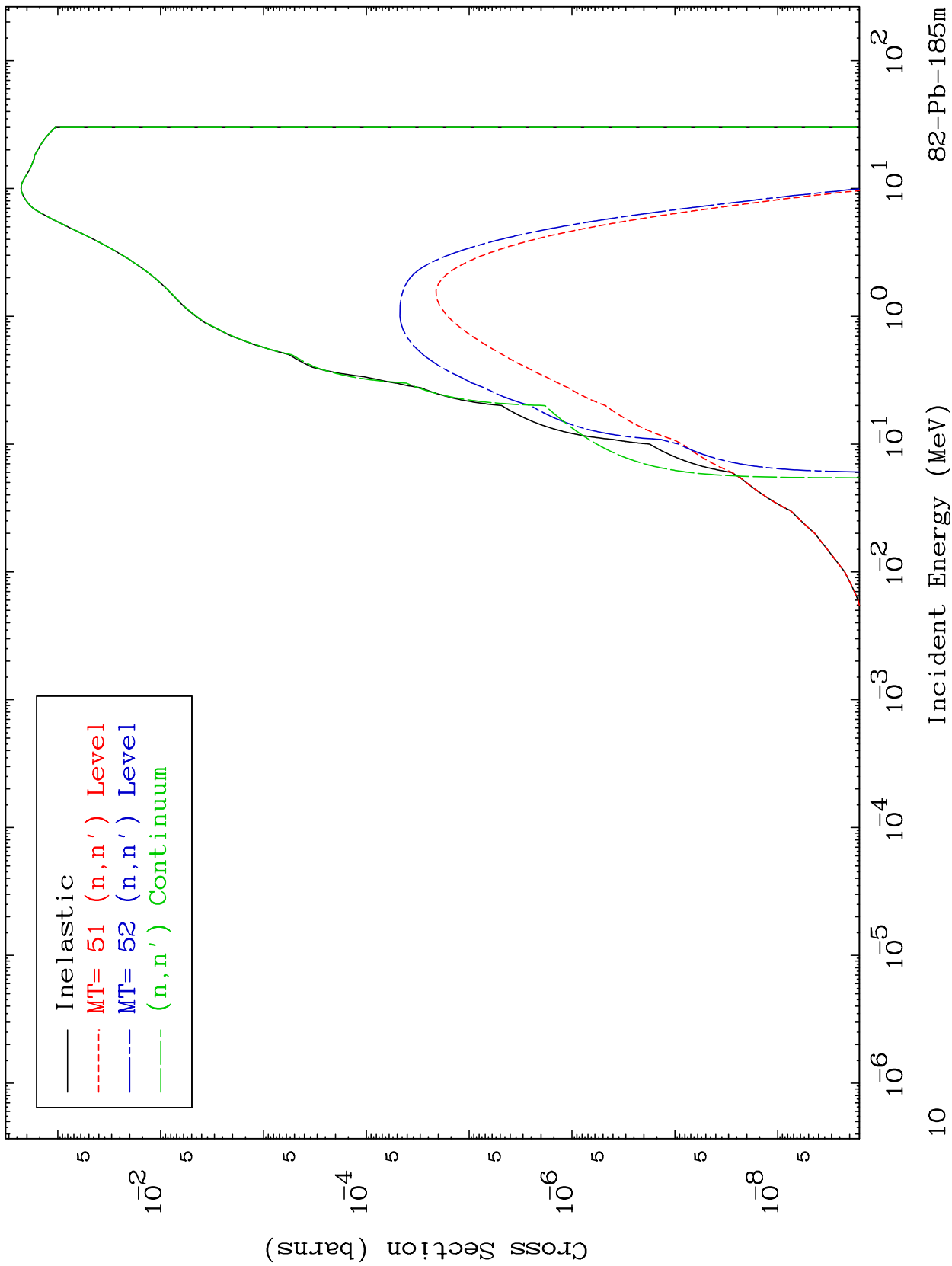




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(n,n') Levels
293 Kelvin Cross Sections

82-Pb-185m



82-Pb-185m

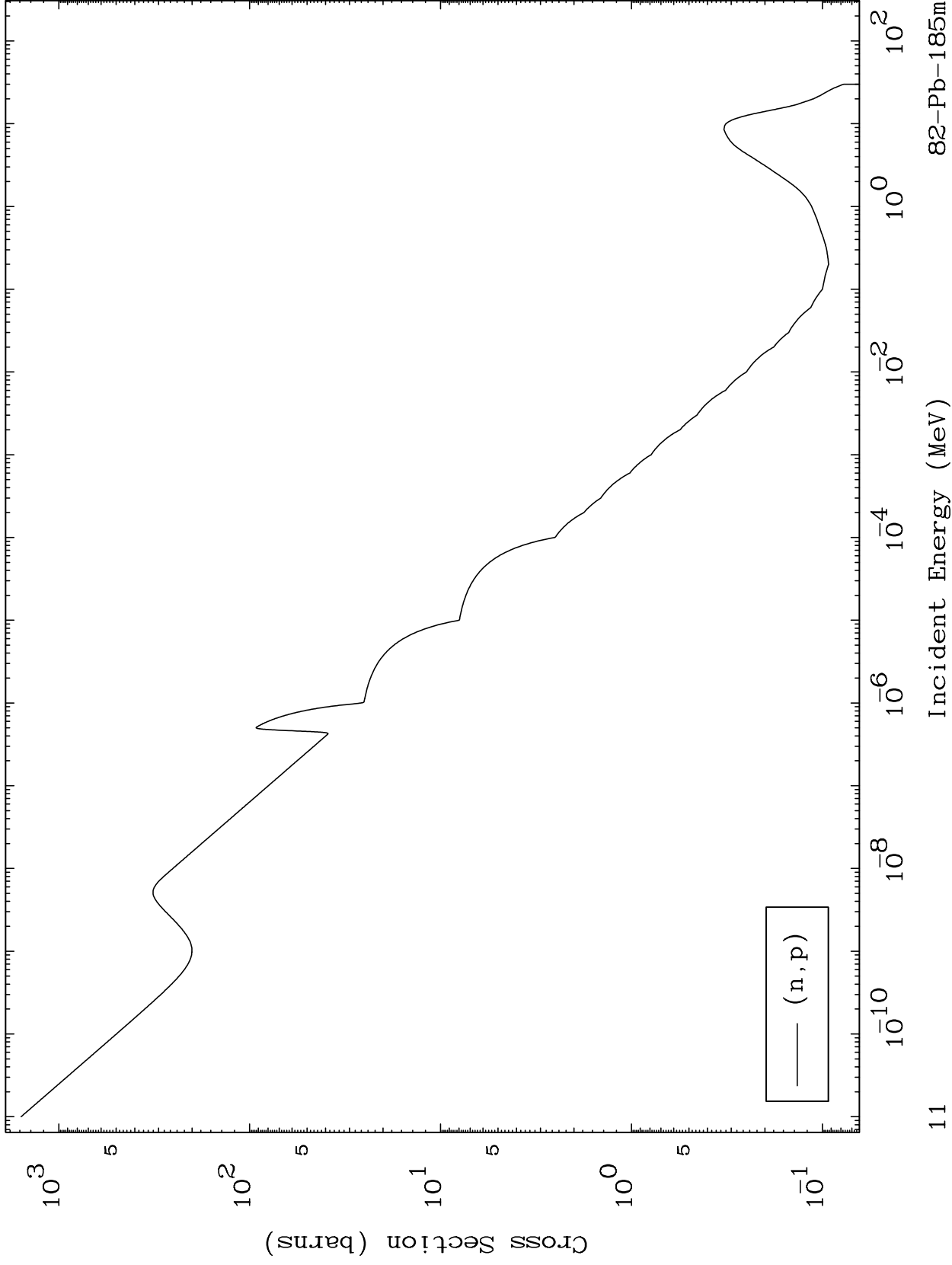
Incident Energy (MeV)

10

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(n,p) Levels
293 Kelvin Cross Sections

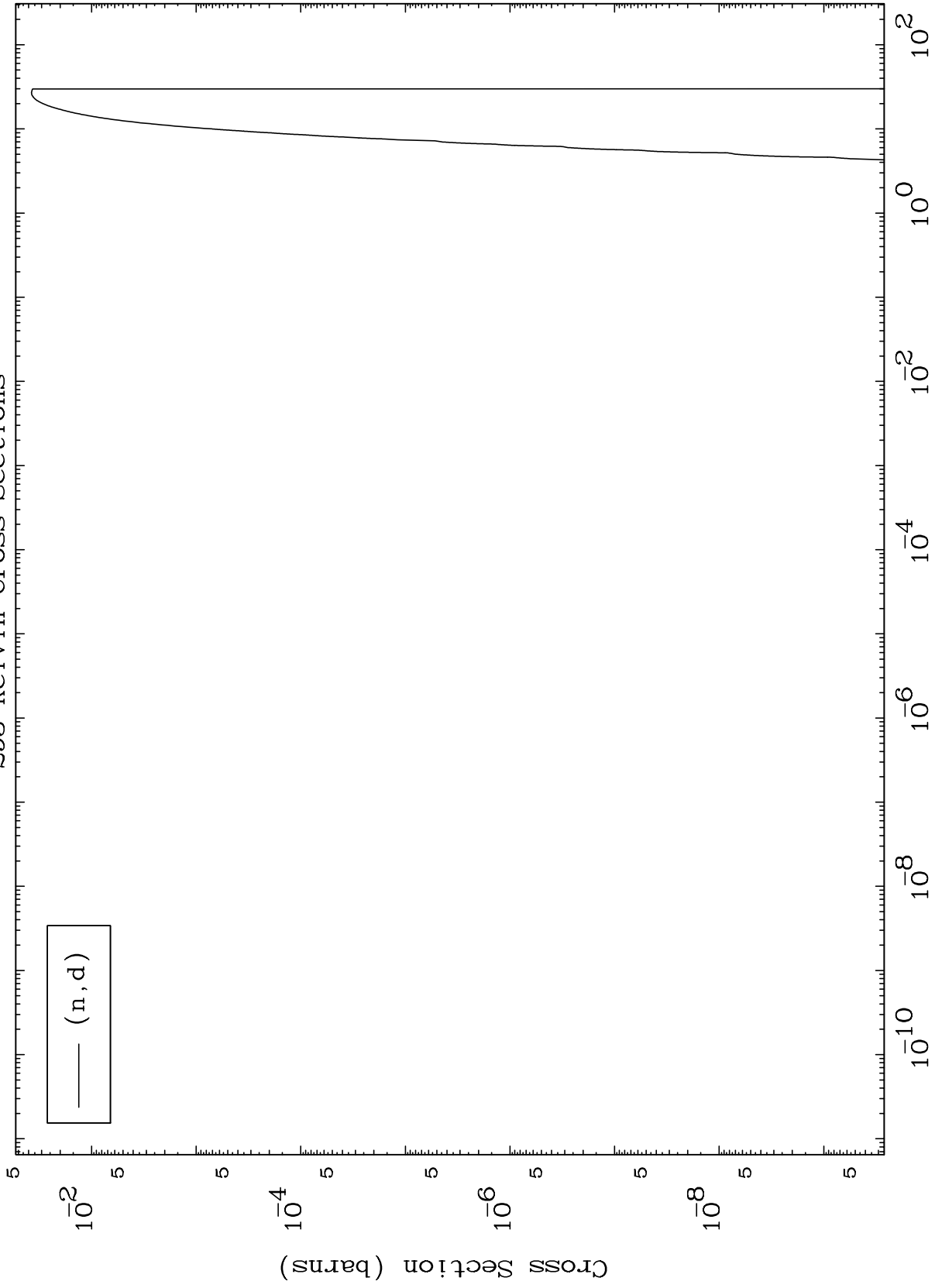
82-Pb-185m



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(n,d) Levels
293 Kelvin Cross Sections

82-Pb-185m



12

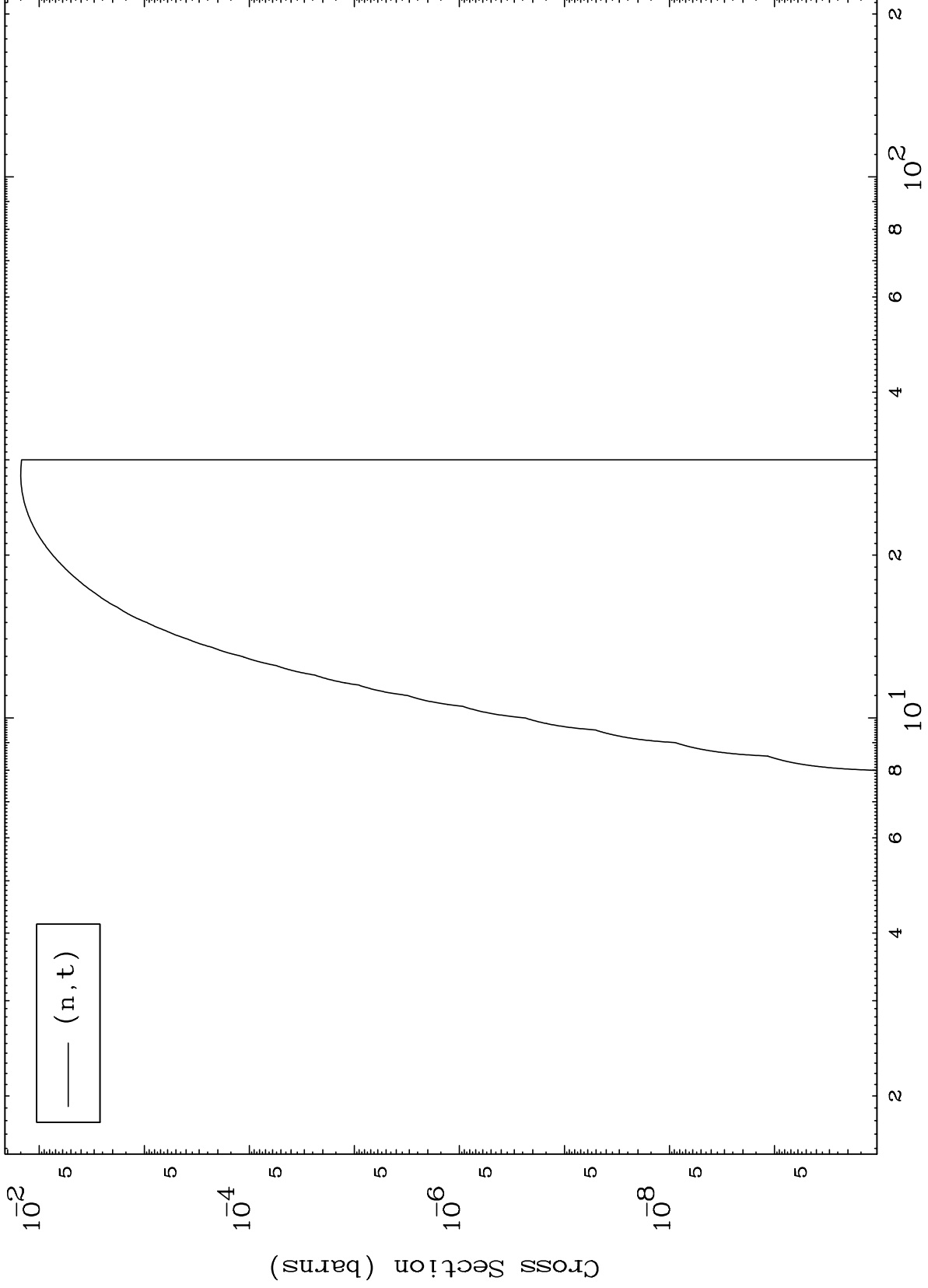
Incident Energy (MeV)

82-Pb-185m

MAT 8169

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-185m



13

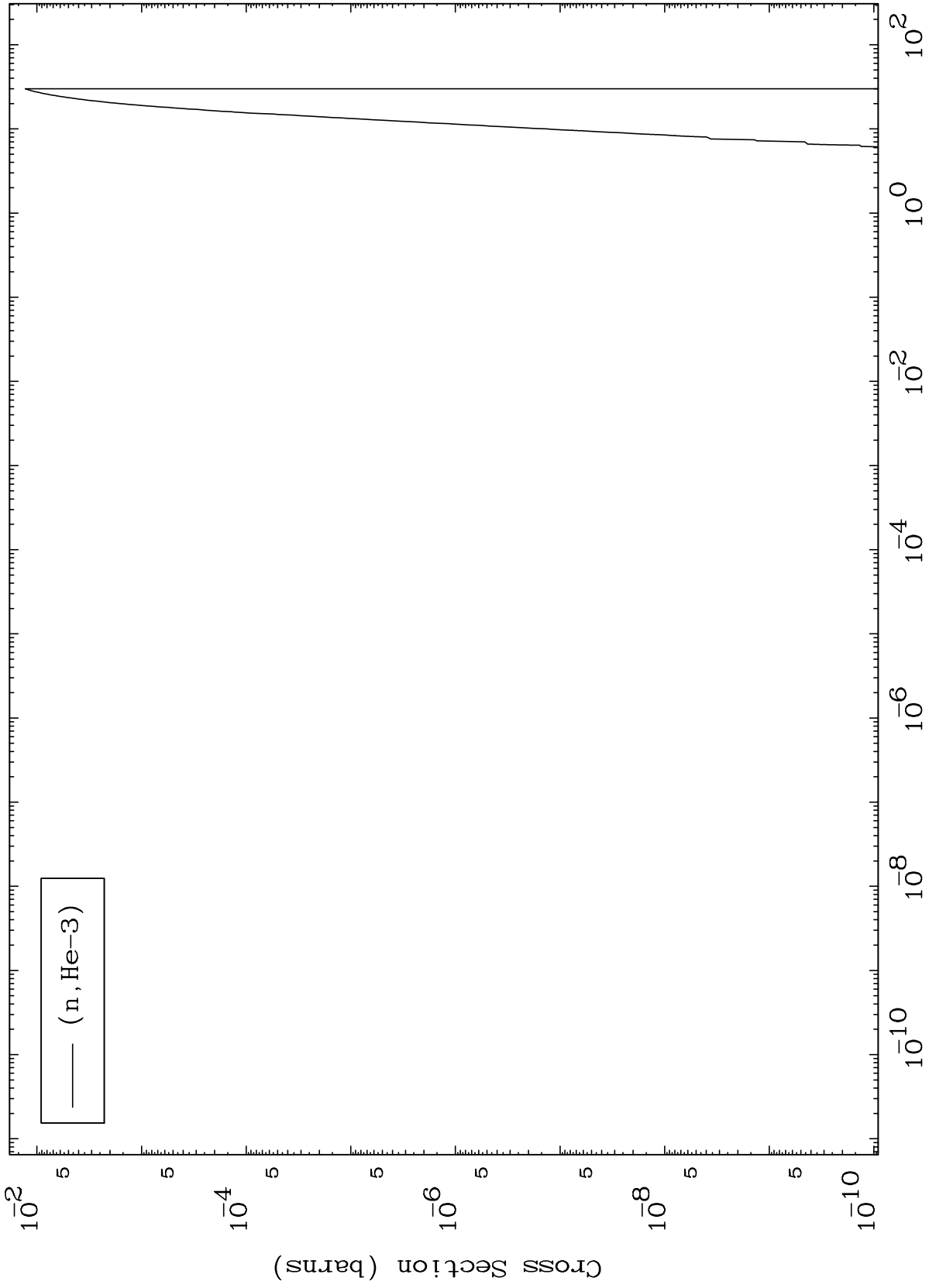
Incident Energy (MeV)

82-Pb-185m

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(n,He3) Levels
293 Kelvin Cross Sections

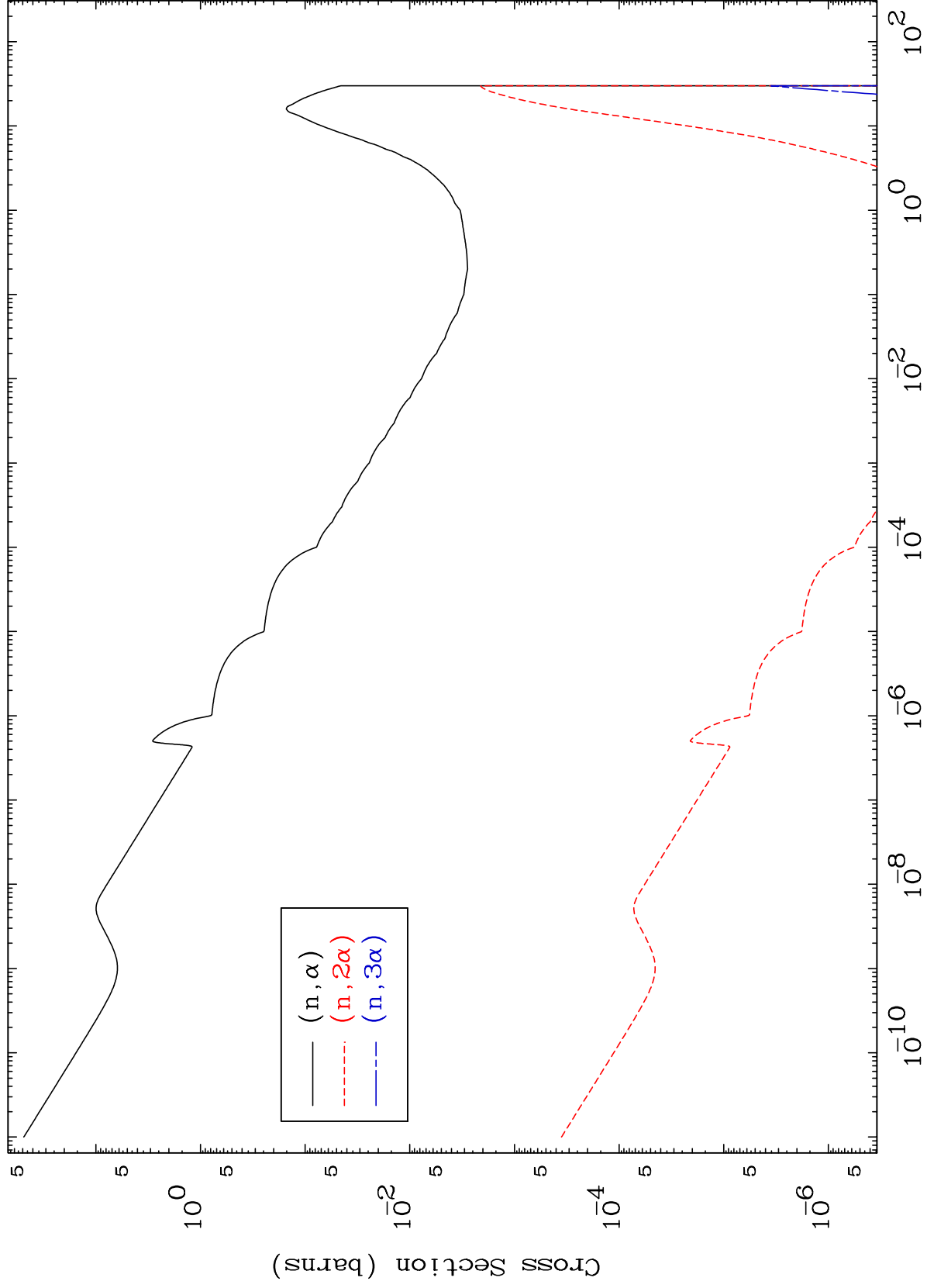
82-Pb-185m



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(n, α) Levels
293 Kelvin Cross Sections

82-Pb-185m



15

Incident Energy (MeV)

82-Pb-185m

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Elastic Legendre Coefficients

82-Pb-185m



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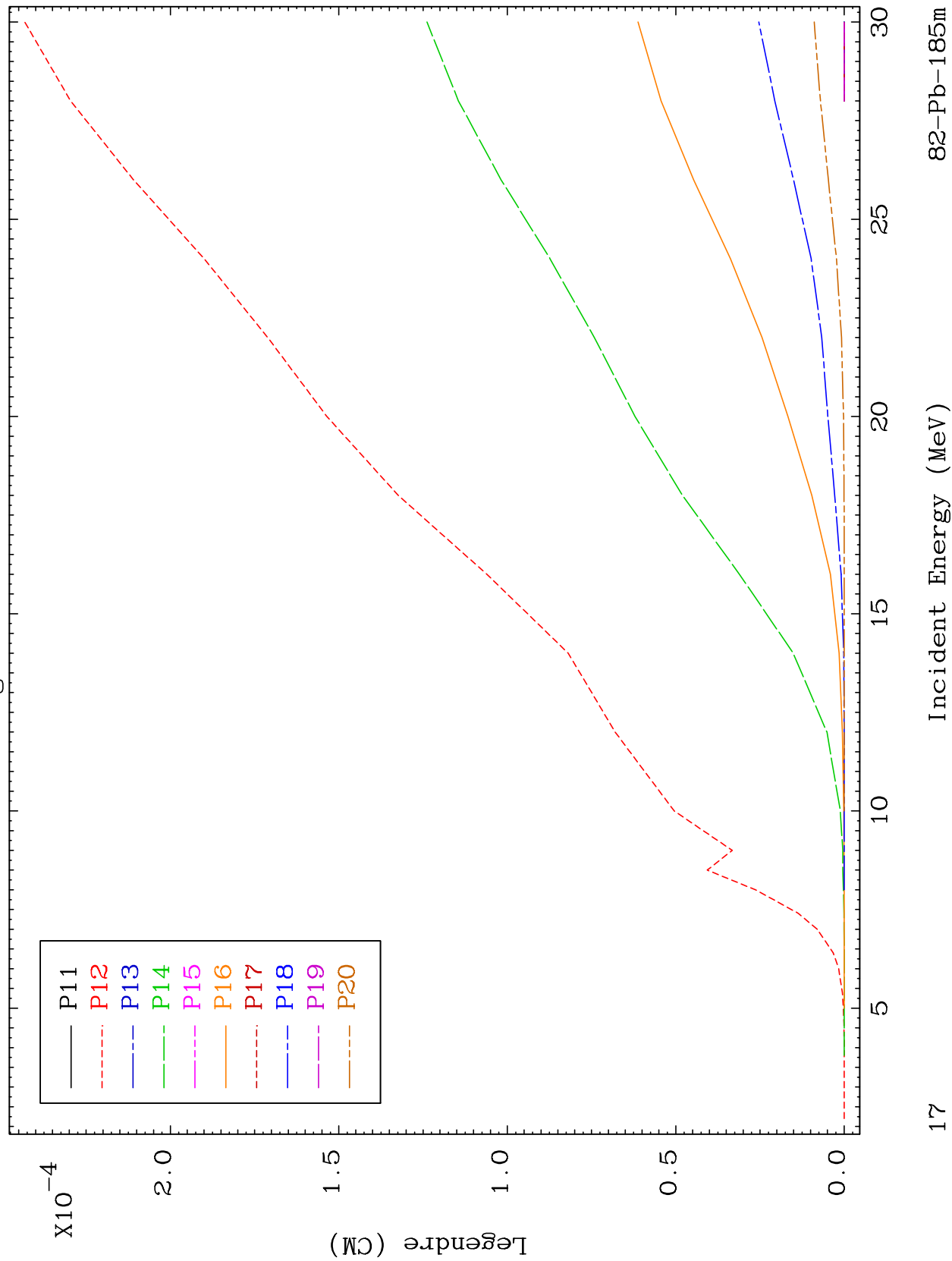
Incident Energy (MeV)

82-Pb-185m

MAT 8169

Elastic Legendre Coefficients

82-Pb-185m

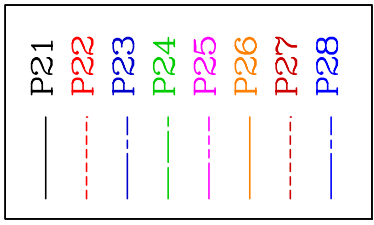


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Elastic Legendre Coefficients

82-Pb-185m



$\times 10^{-6}$
1.0
0.8
0.6
0.4
0.2
0.0

Legendre (CM)

15 20 25 30

18

Incident Energy (MeV)

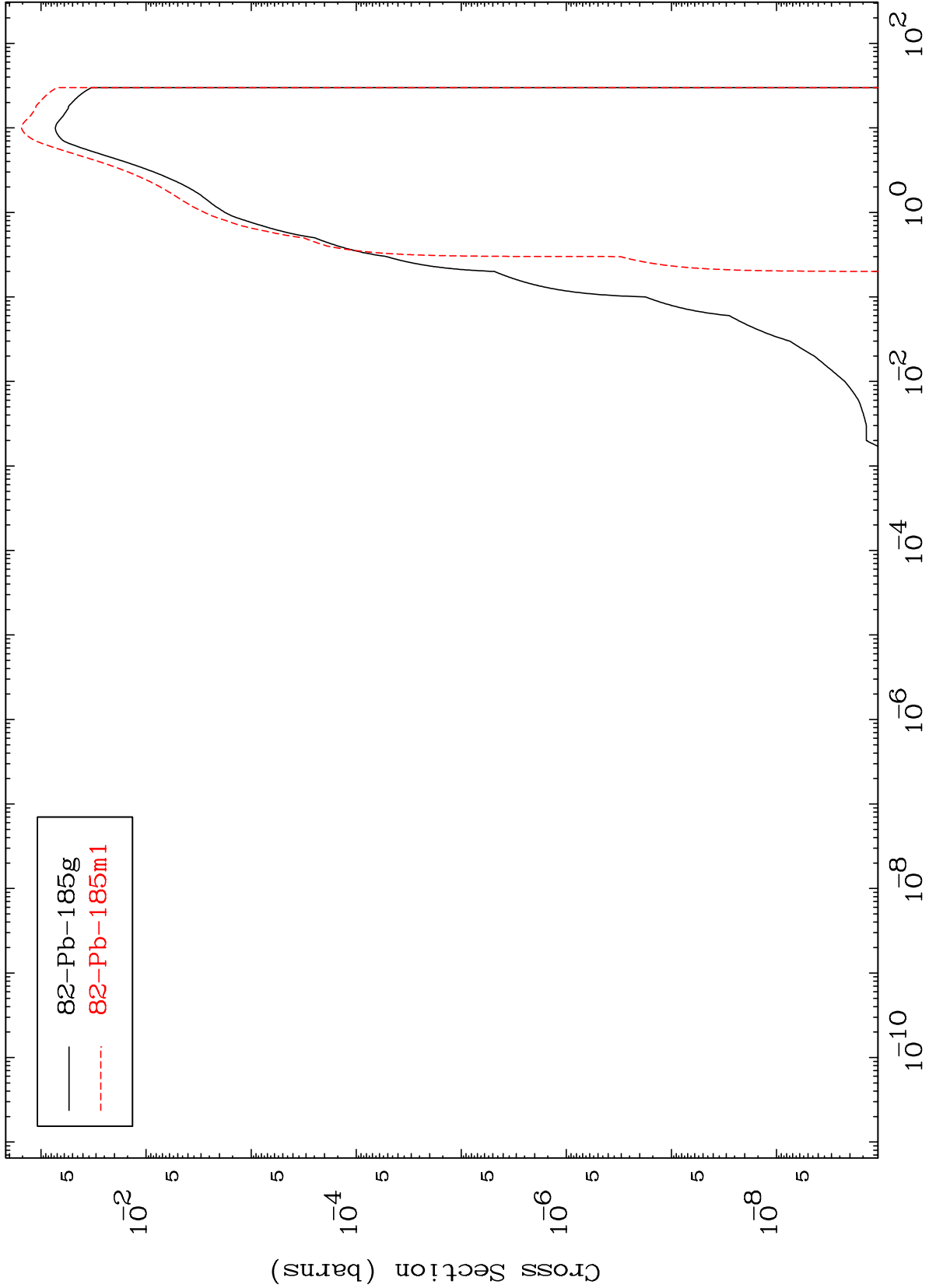
82-Pb-185m



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Inelastic
Radionuclide Production Cross Section

82-Pb-185m

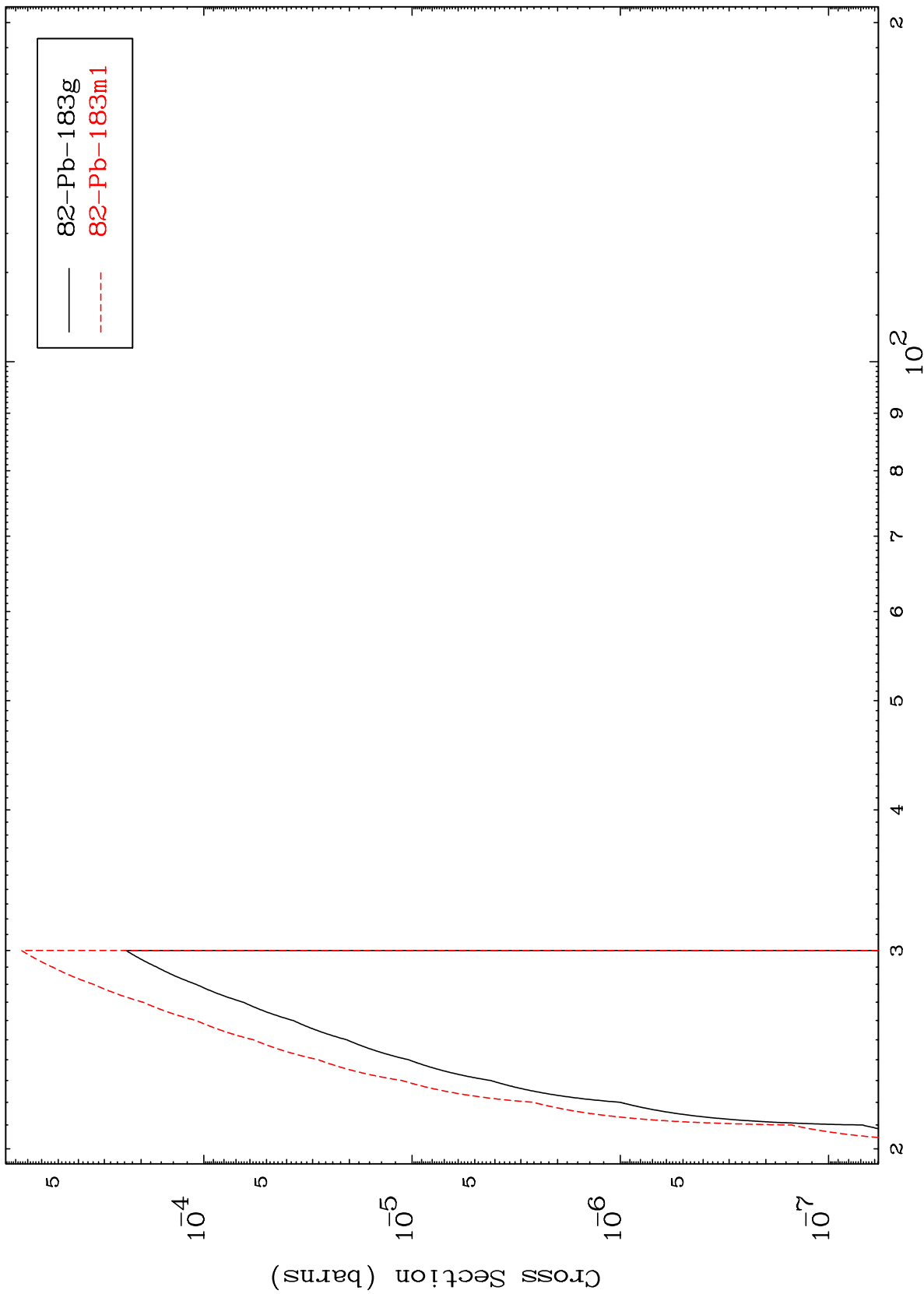


82-Pb-185m

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82-Pb-185m

(n,3n)
Radionuclide Production Cross Section



82-Pb-185m

Incident Energy (MeV)

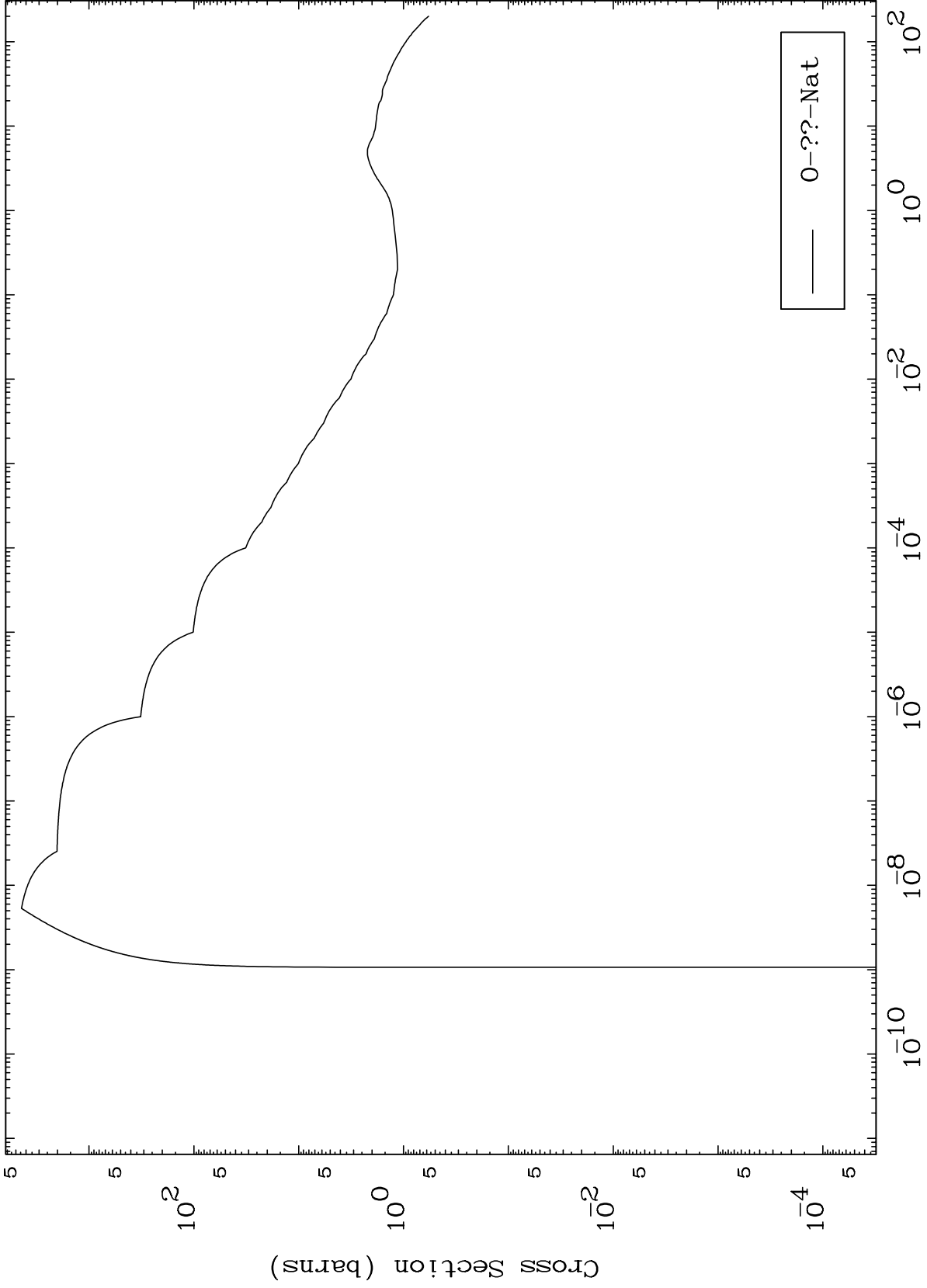
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Fission

⁸²Pb-185m

Radionuclide Production Cross Section



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82-Pb-185m

(n,p)
Radionuclide Production Cross Section

