

Program EVALPLOT
(Version 2021-1)

by

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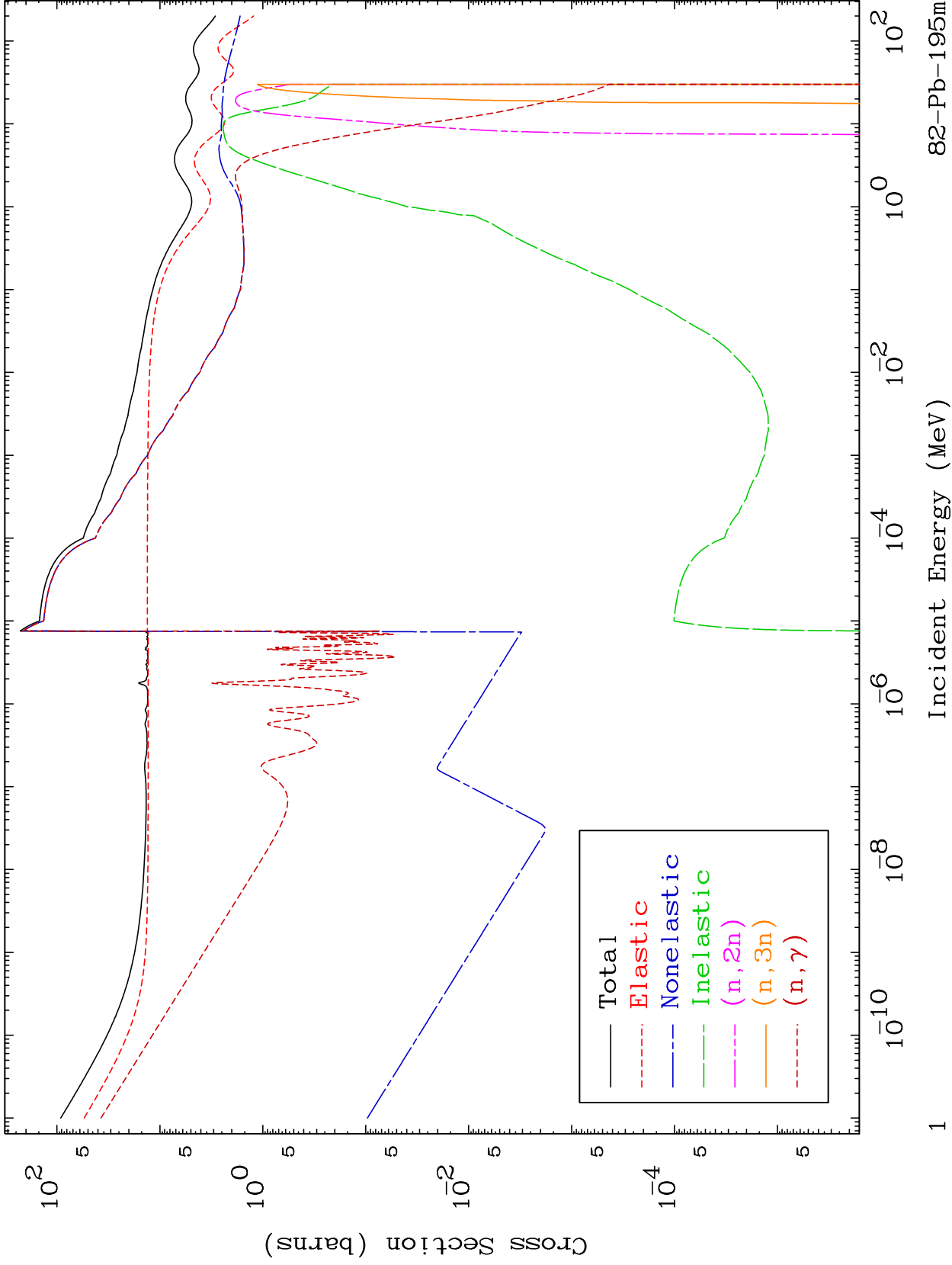
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8199

Neutron Major
293 Kelvin Cross Sections

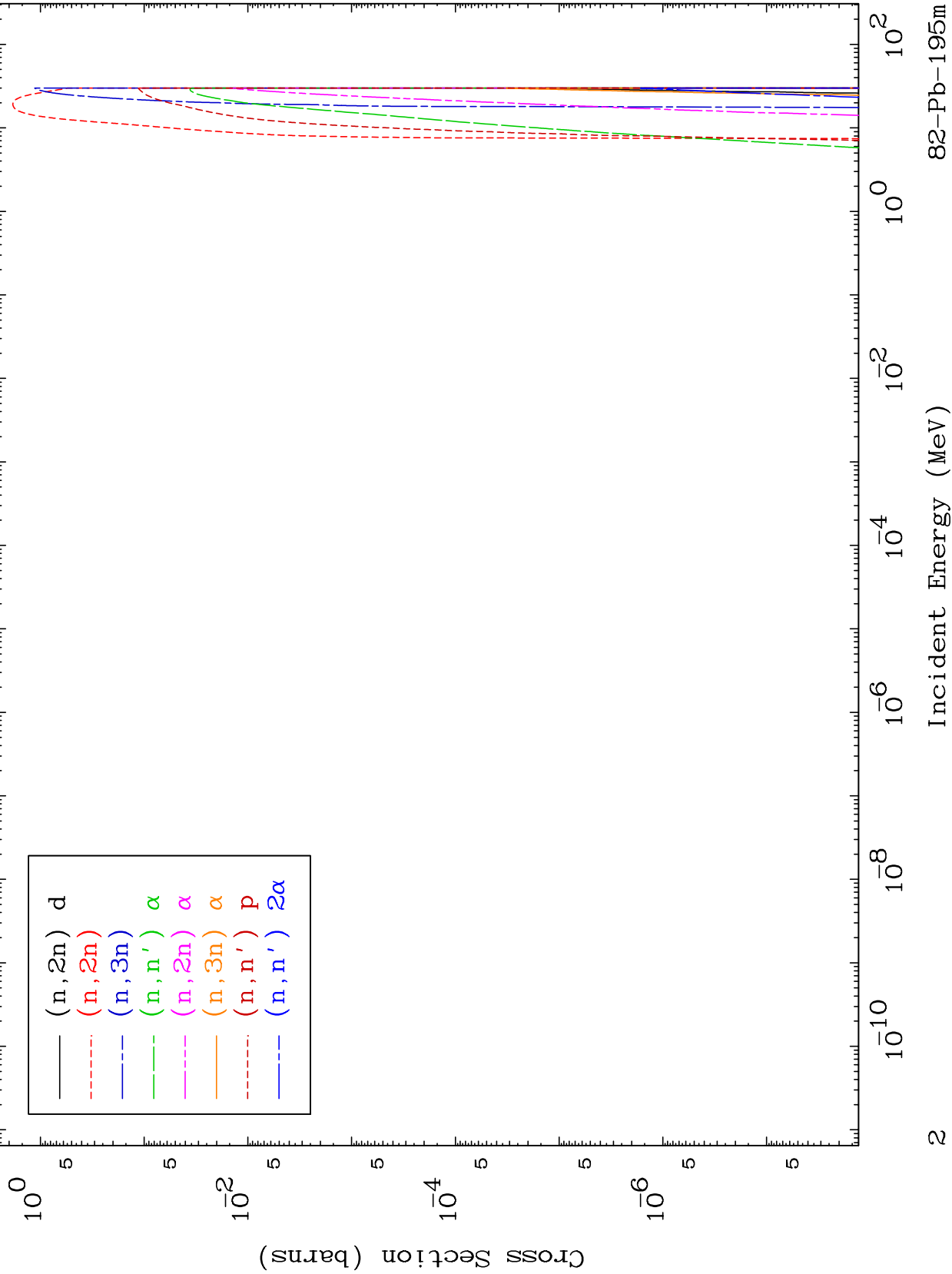
82-Pb-195m



MAT 8199

Neutron Absorption
293 Kelvin Cross Sections

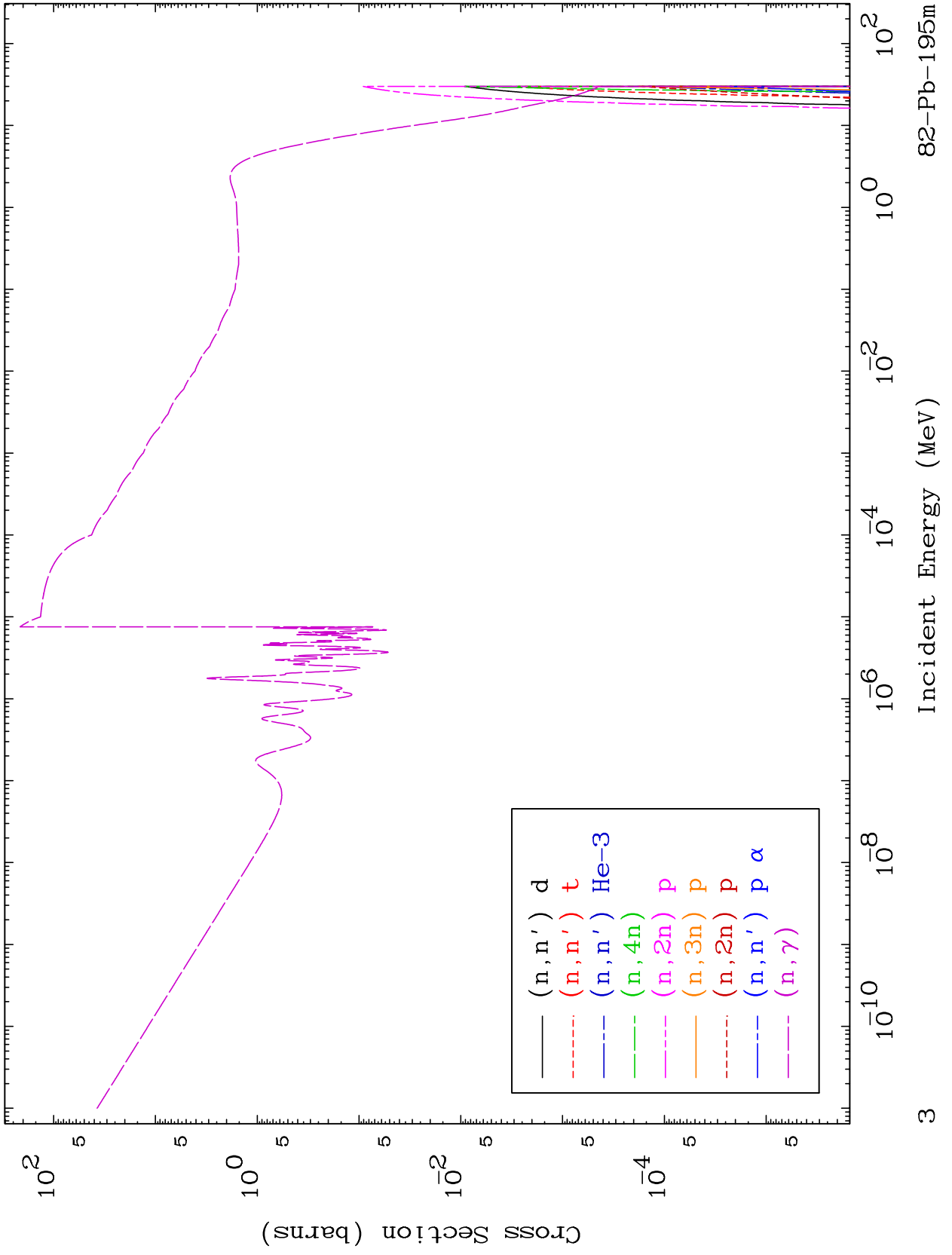
82-Pb-195m



MAT 8199

Neutron Absorption
293 Kelvin Cross Sections

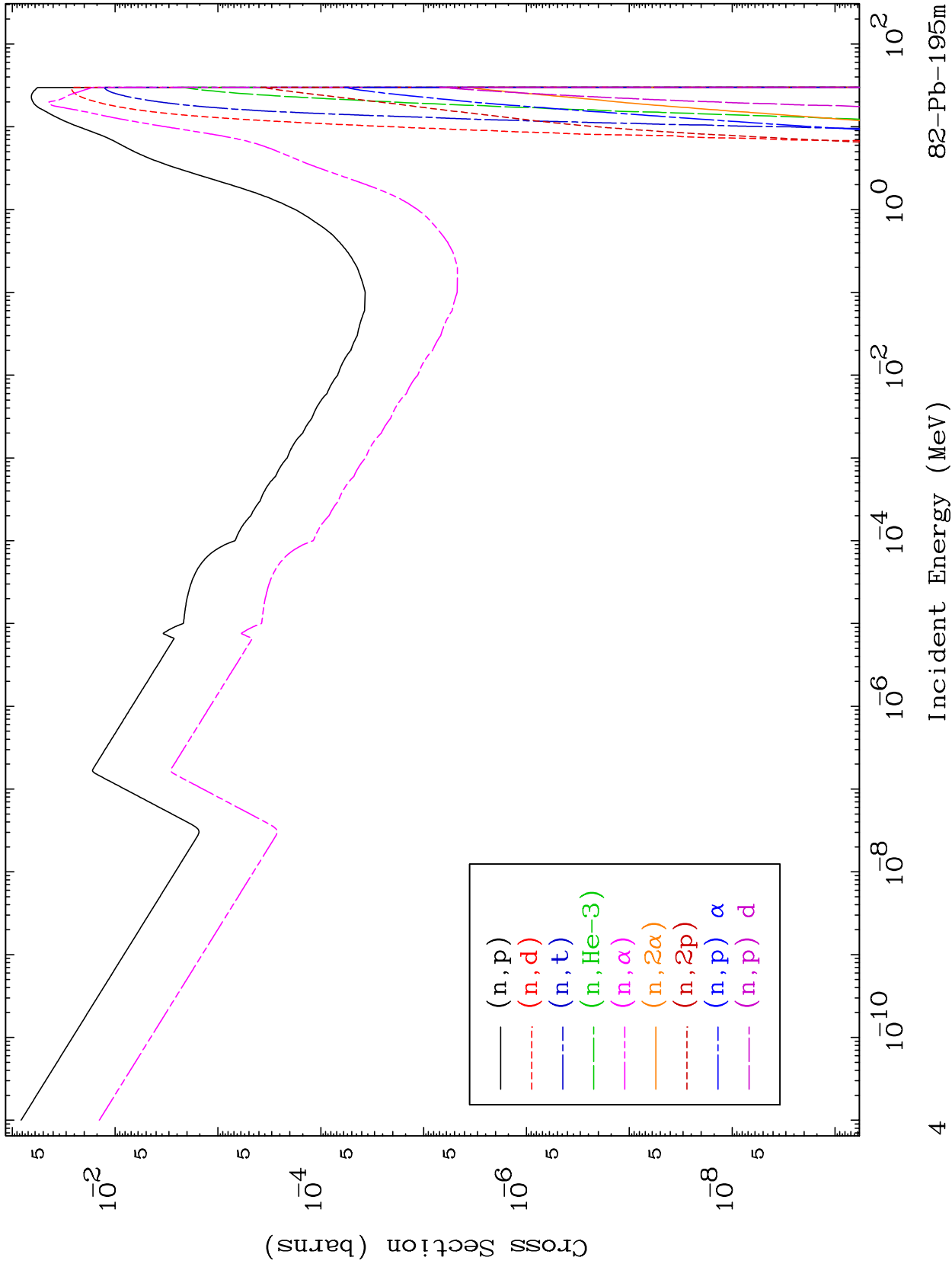
82-Pb-195m

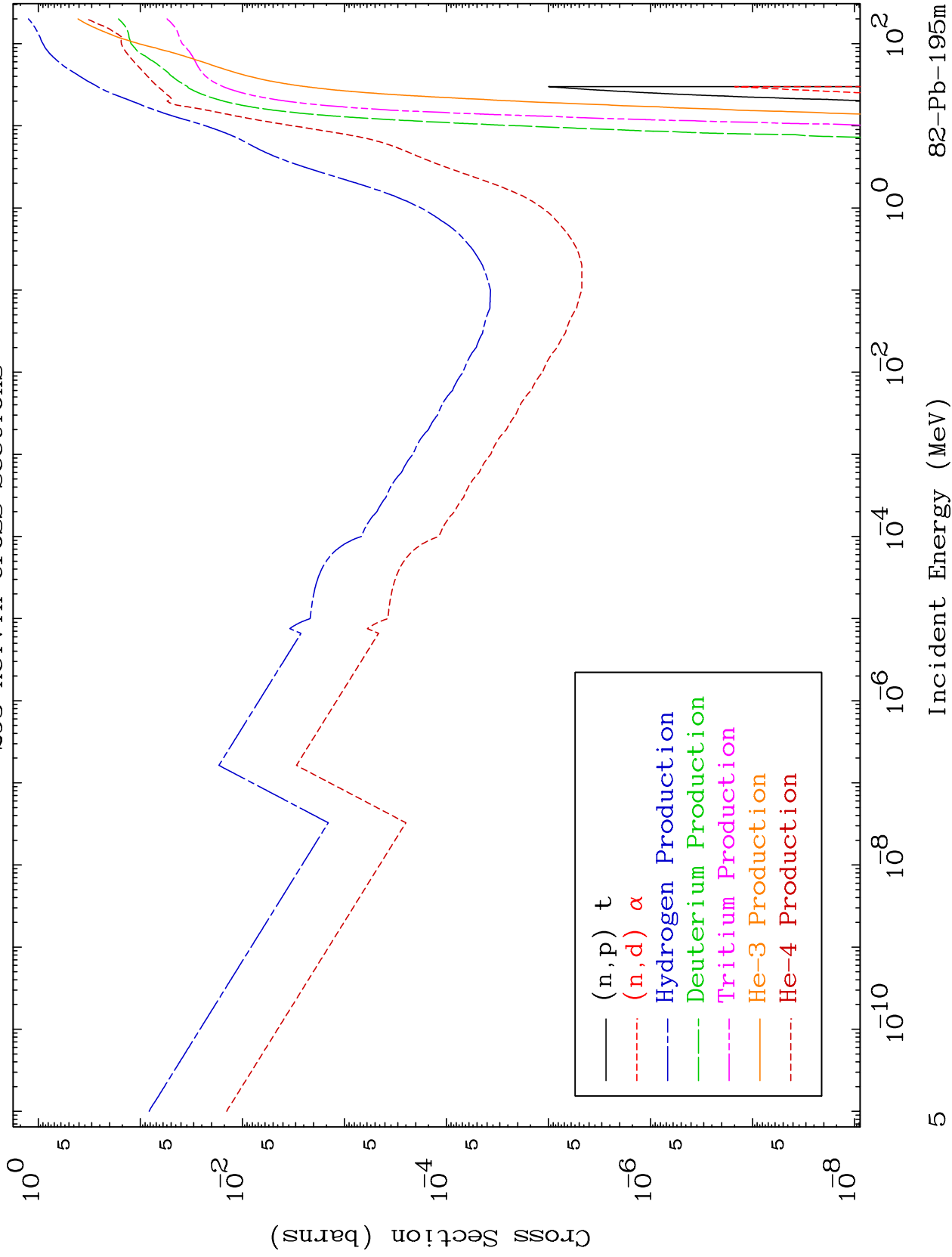


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Neutron Absorption
293 Kelvin Cross Sections

82-Pb-195m

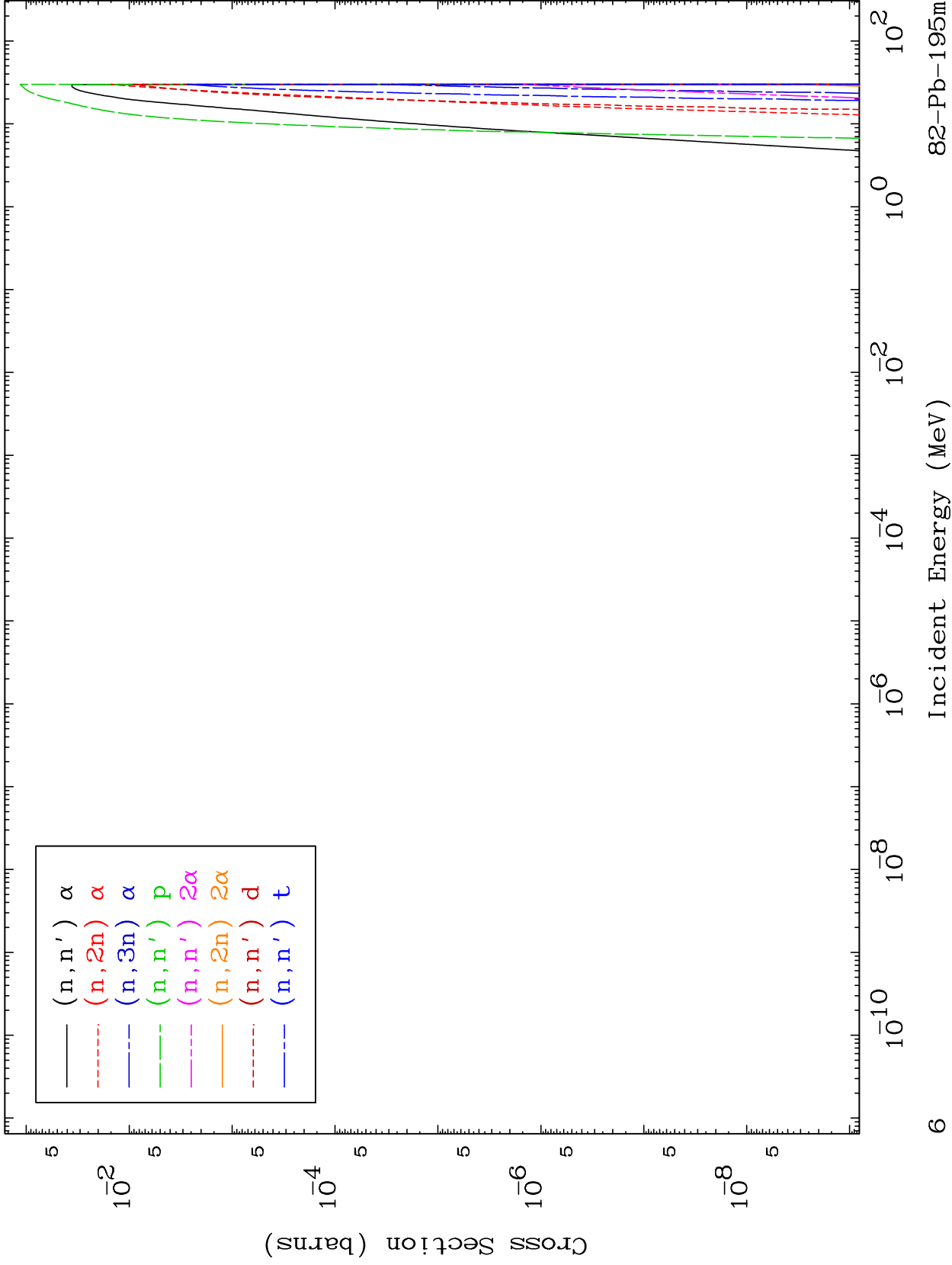




MAT 8199

Charged Particle
293 Kelvin Cross Sections

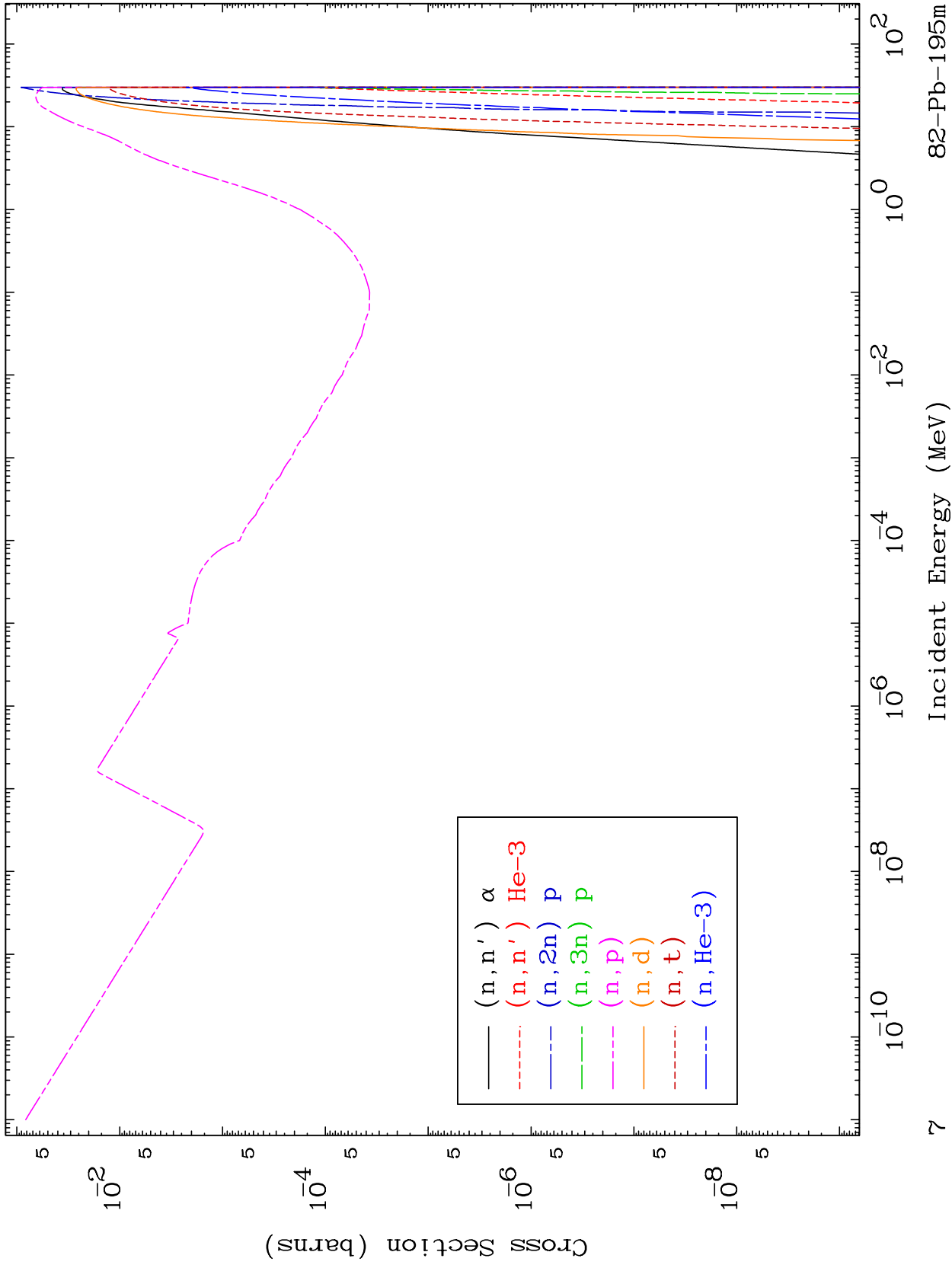
82-Pb-195m



MAT 8199

Charged Particle
293 Kelvin Cross Sections

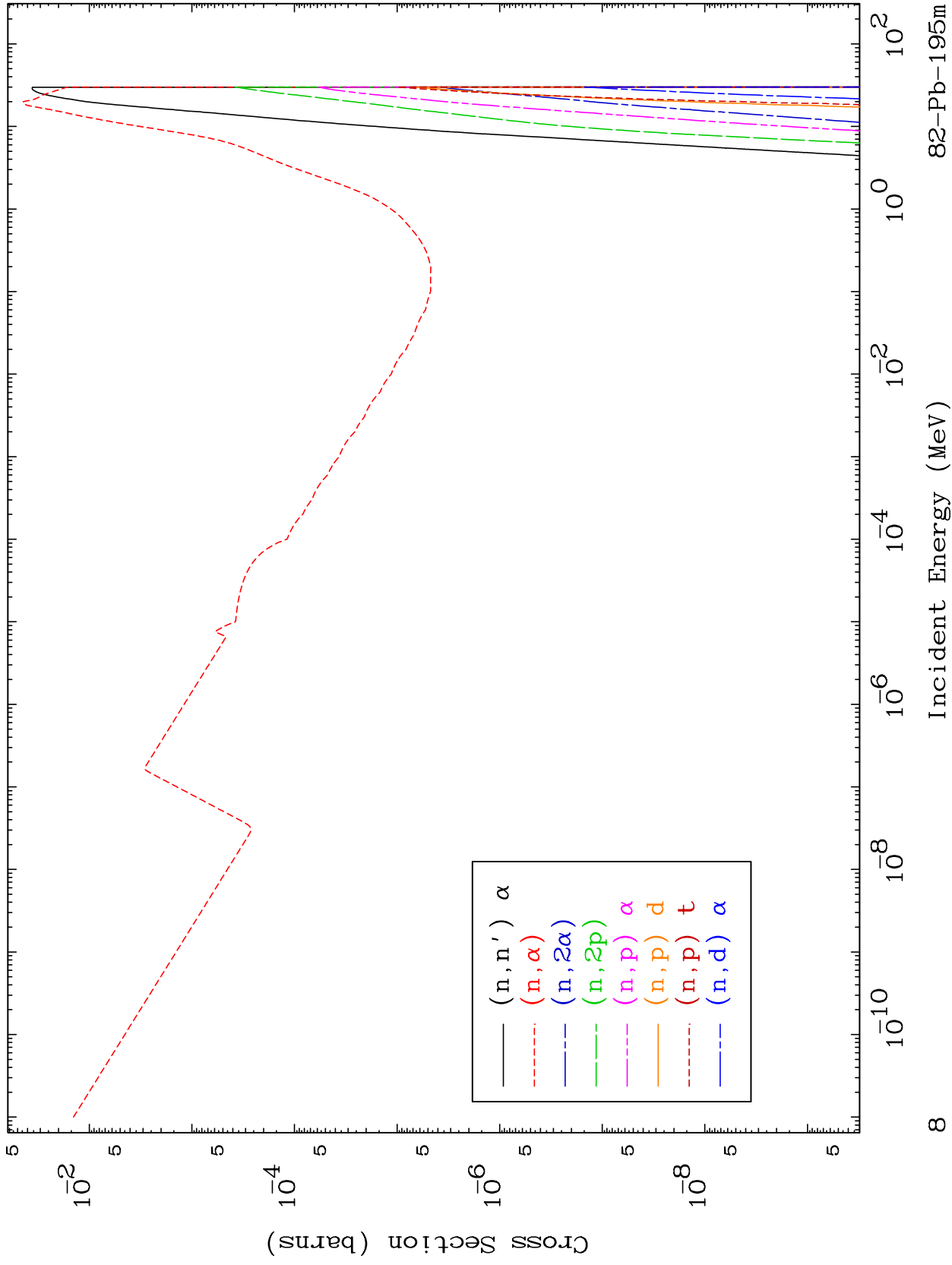
82-Pb-195m



MAT 8199

Charged Particle
293 Kelvin Cross Sections

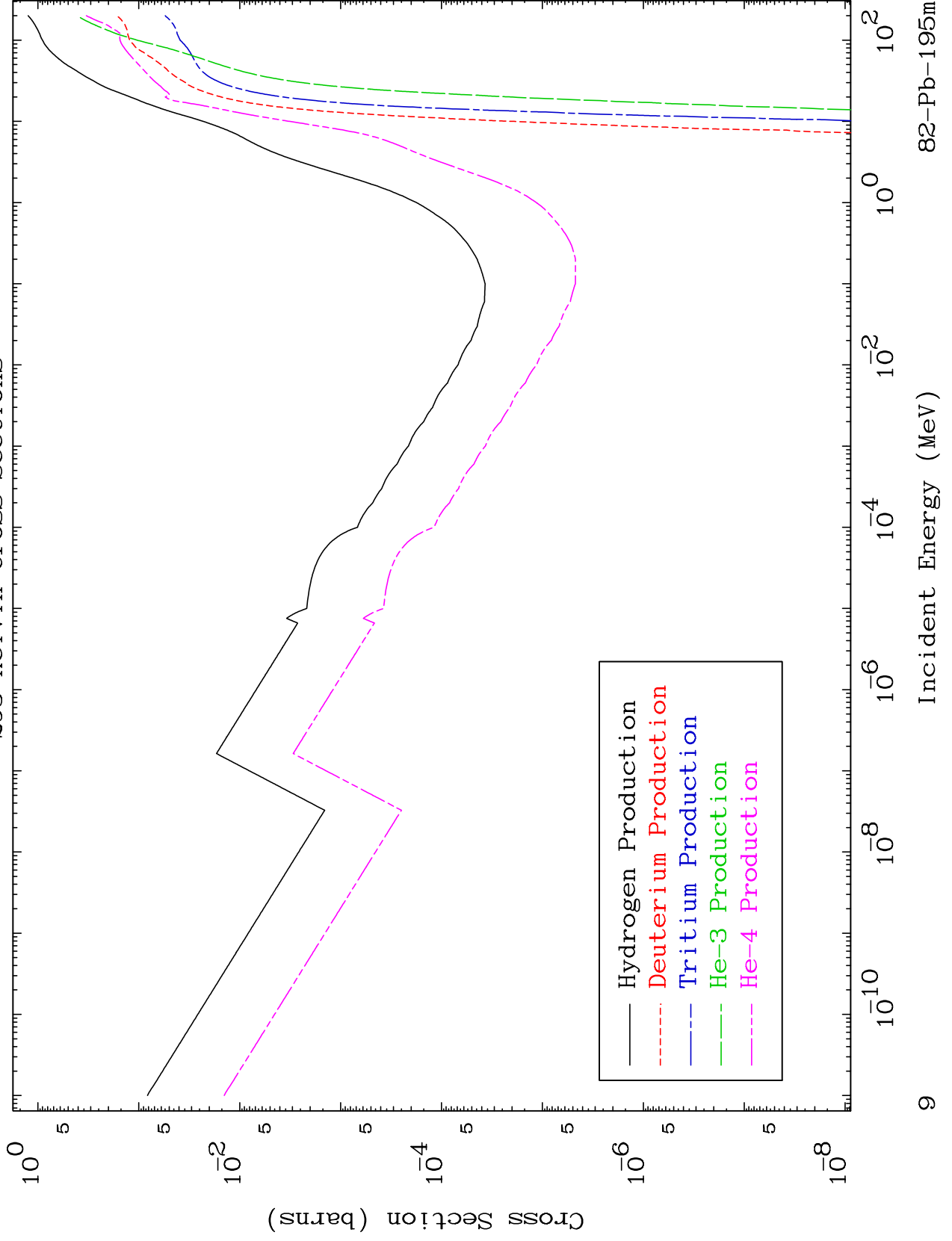
82-Pb-195m



MAT 8199

Particle Production
293 Kelvin Cross Sections

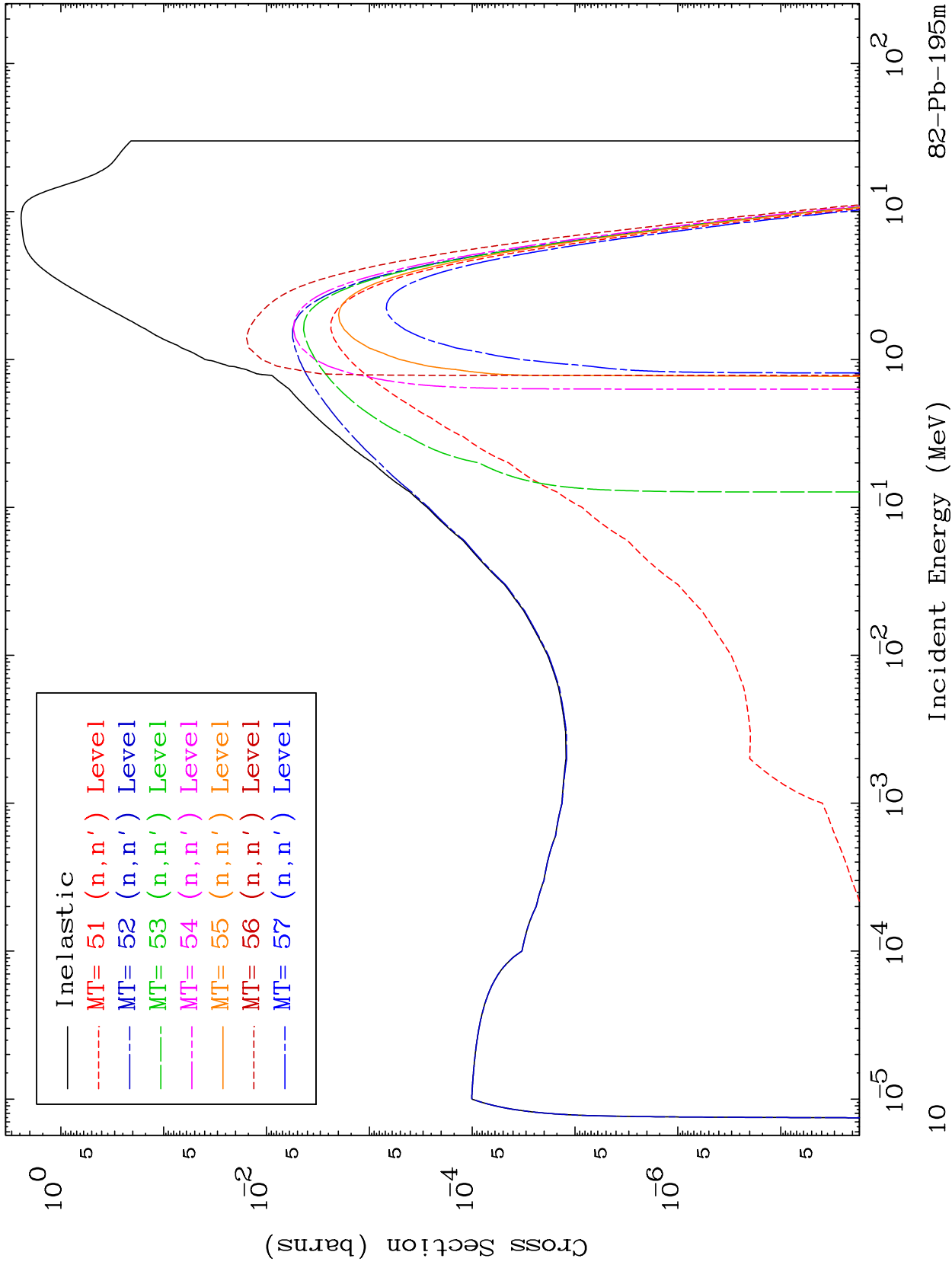
82-Pb-195m



MAT 8199

293 Kelvin Cross Sections
(n,n') Levels

82-Pb-195m



82-Pb-195m

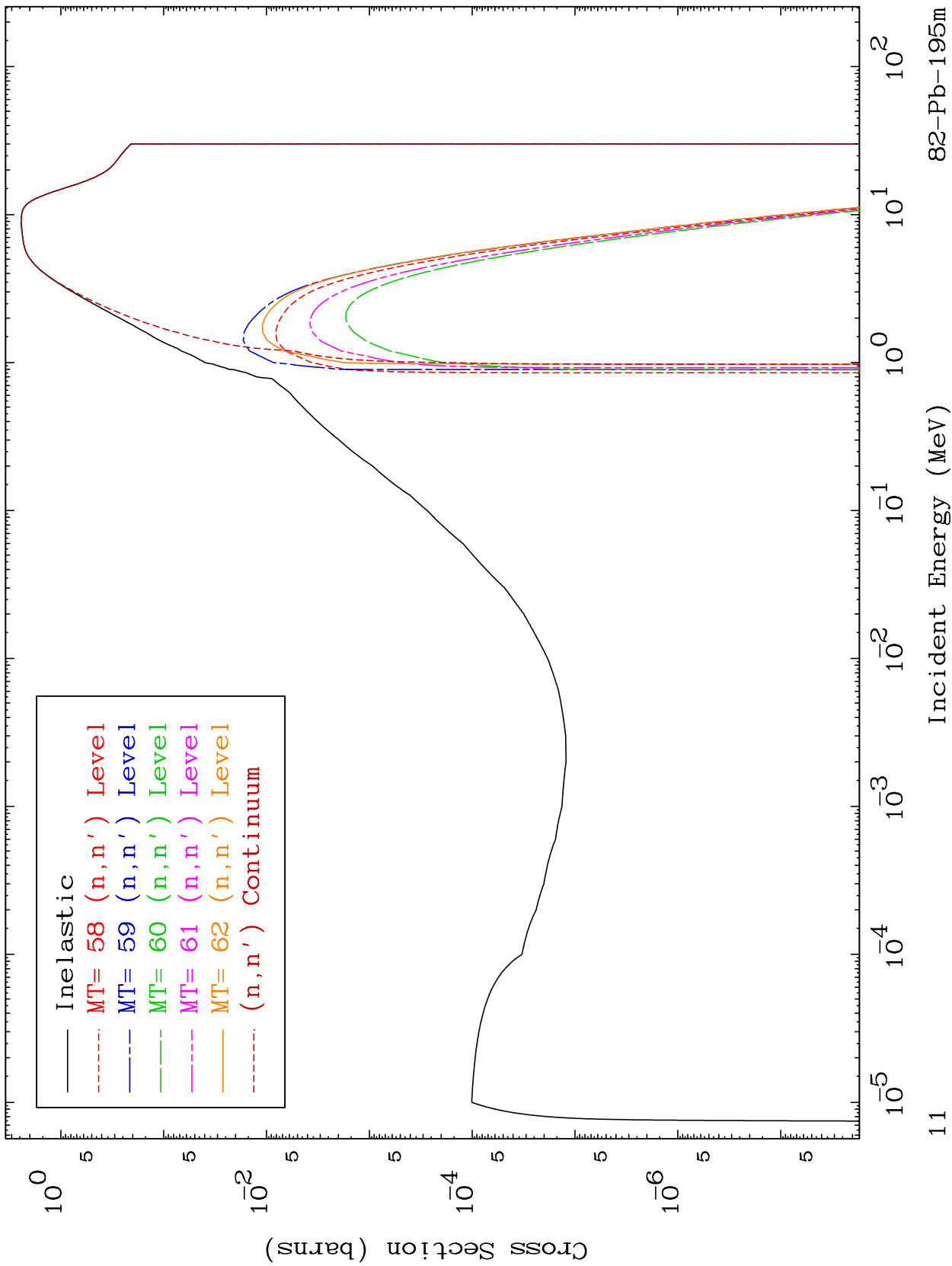
Incident Energy (MeV)

10

MAT 8199

(n,n') Levels
293 Kelvin Cross Sections

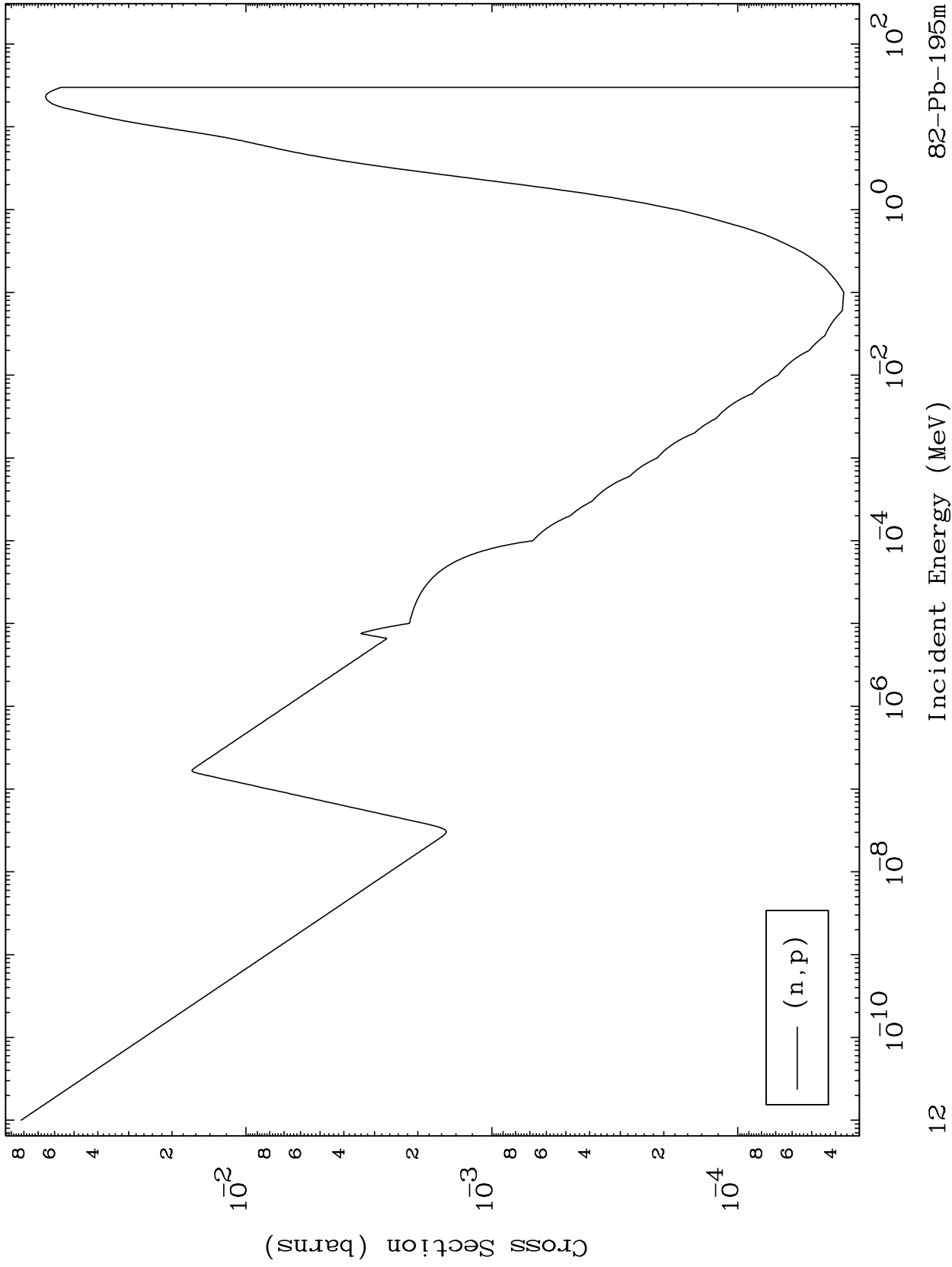
82-Pb-195m



MAT 8199

(n,p) Levels
293 Kelvin Cross Sections

82-Pb-195m



12

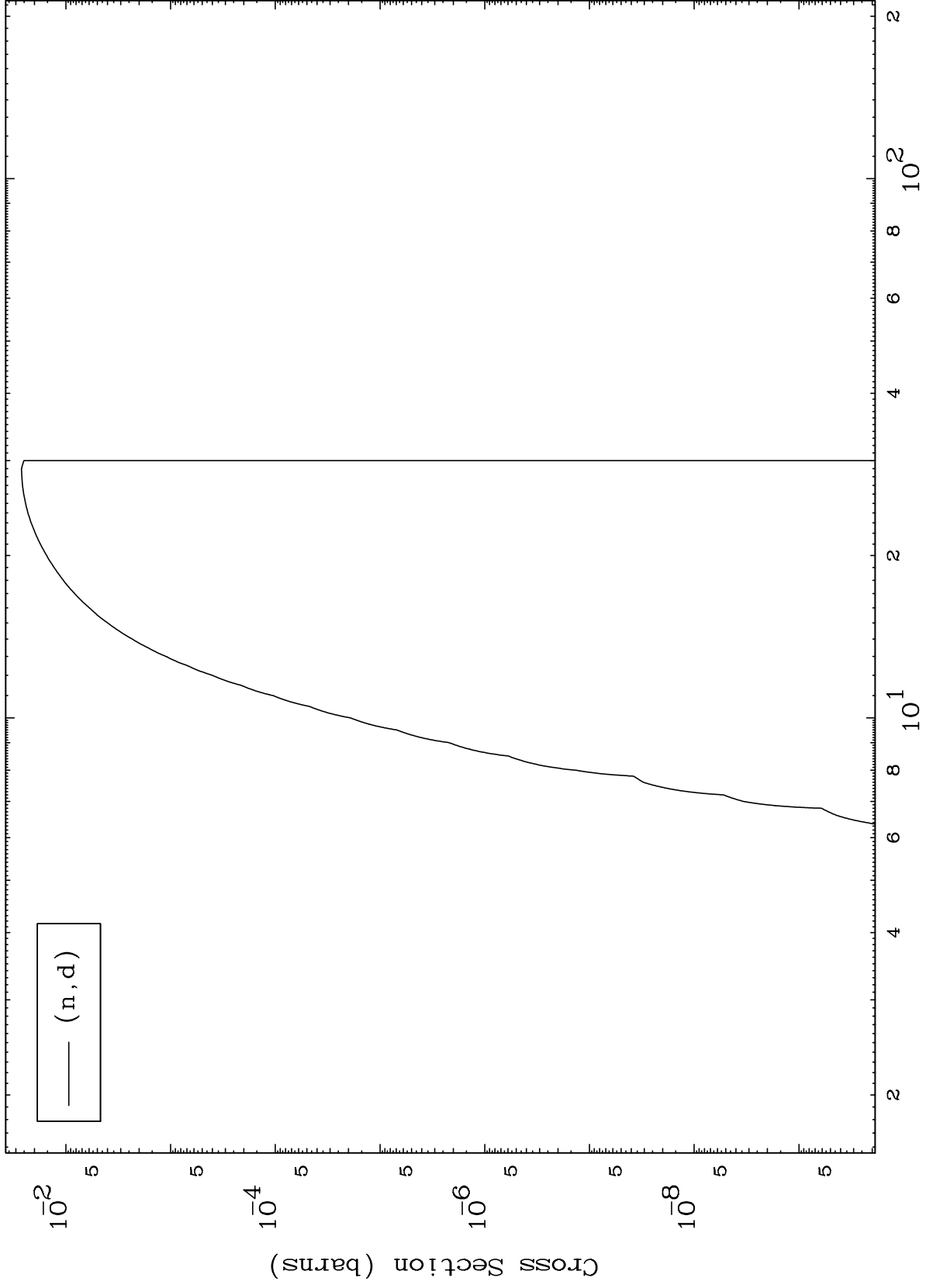
Incident Energy (MeV)

82-Pb-195m

MAT 8199

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-195m



13

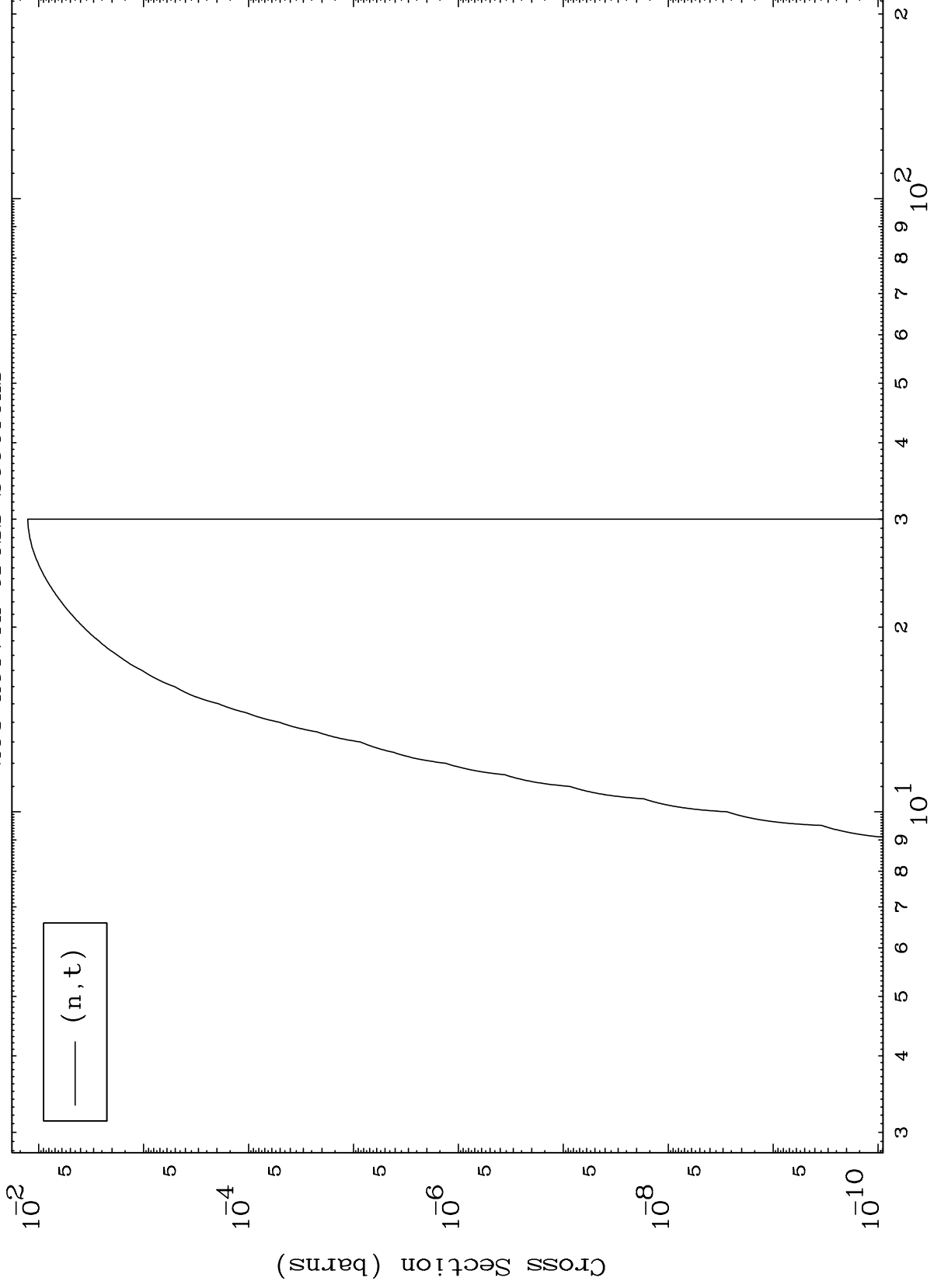
Incident Energy (MeV)

82-Pb-195m

MAT 8199

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-195m



14

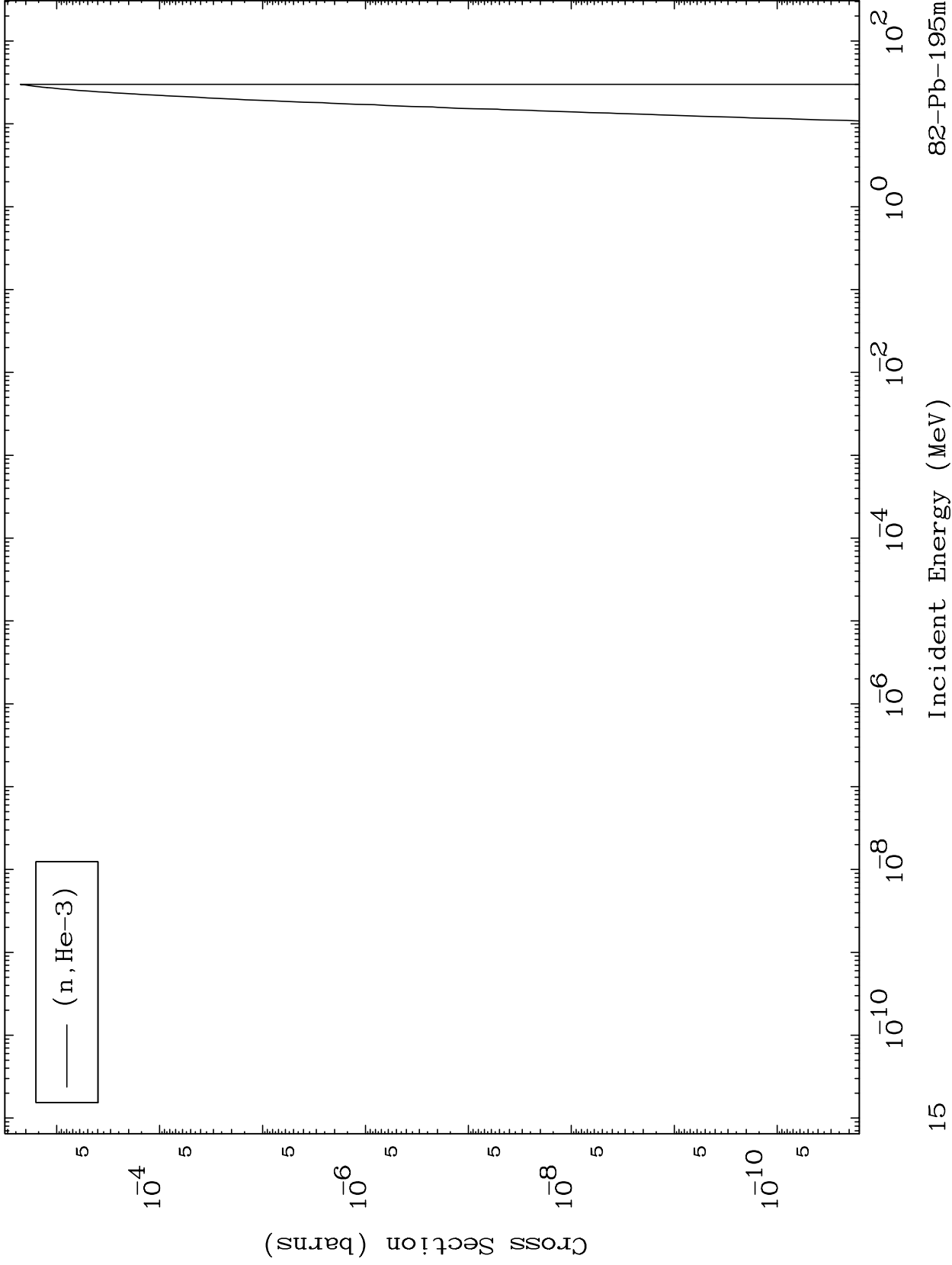
Incident Energy (MeV)

82-Pb-195m

MAT 8199

(n,He3) Levels
293 Kelvin Cross Sections

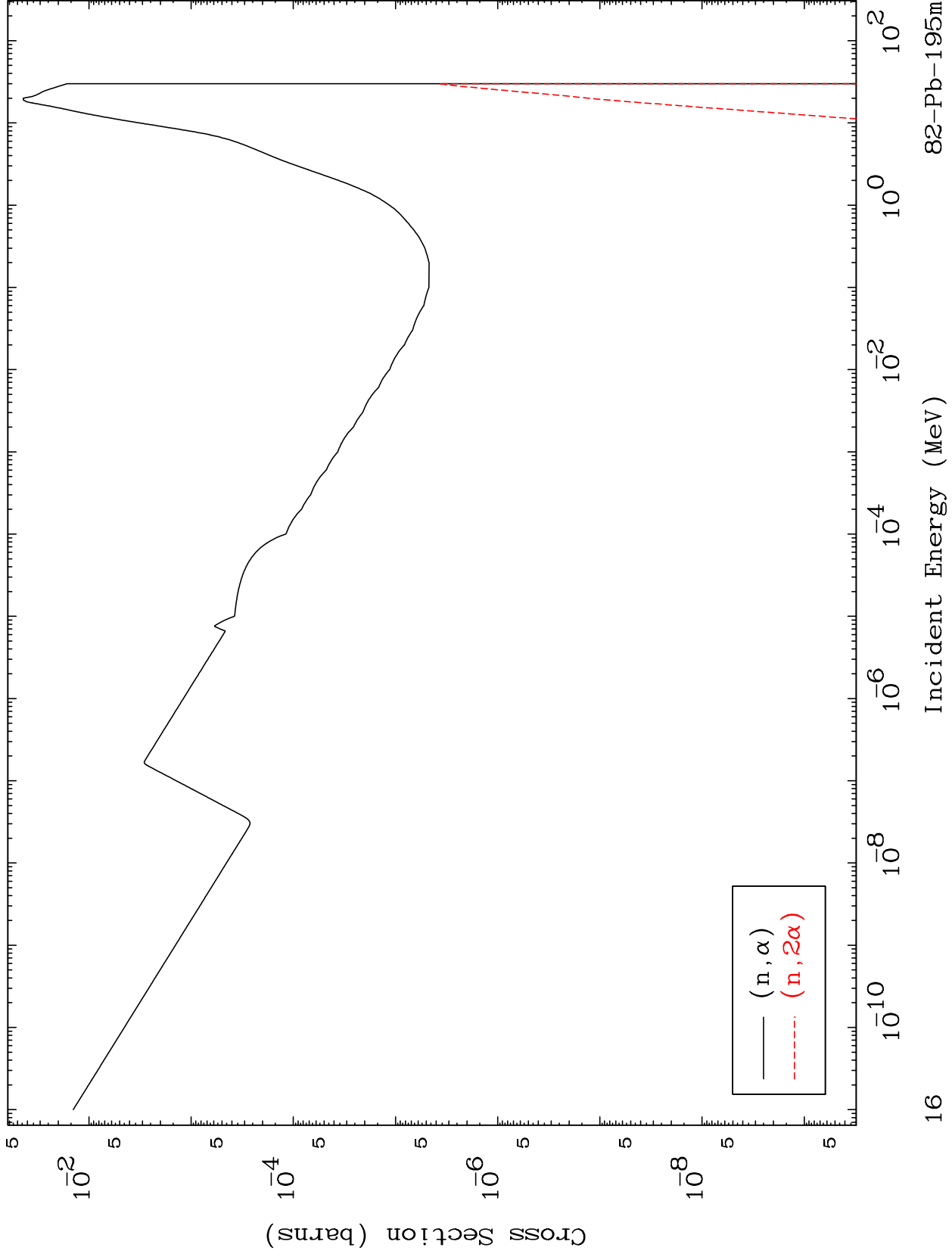
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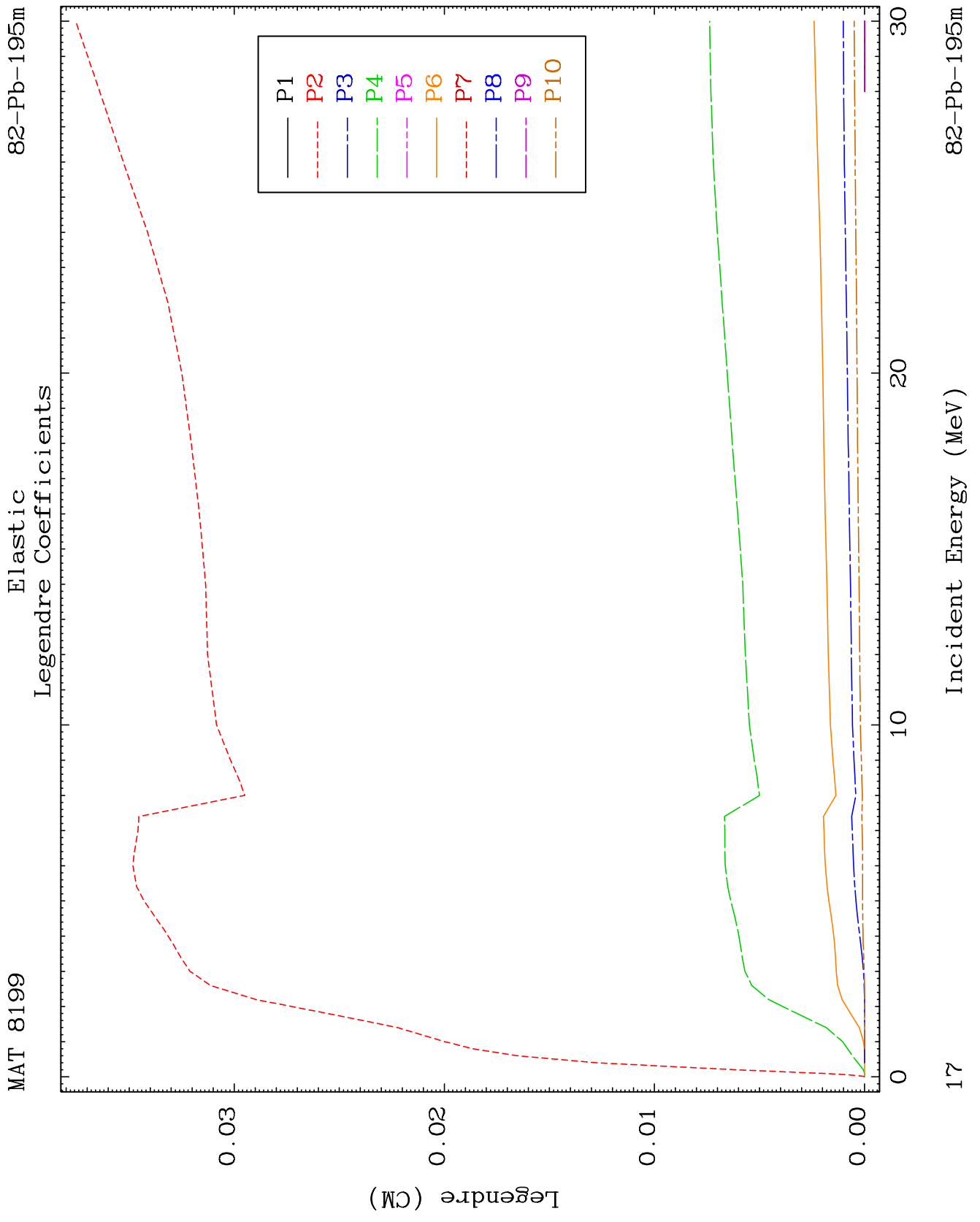


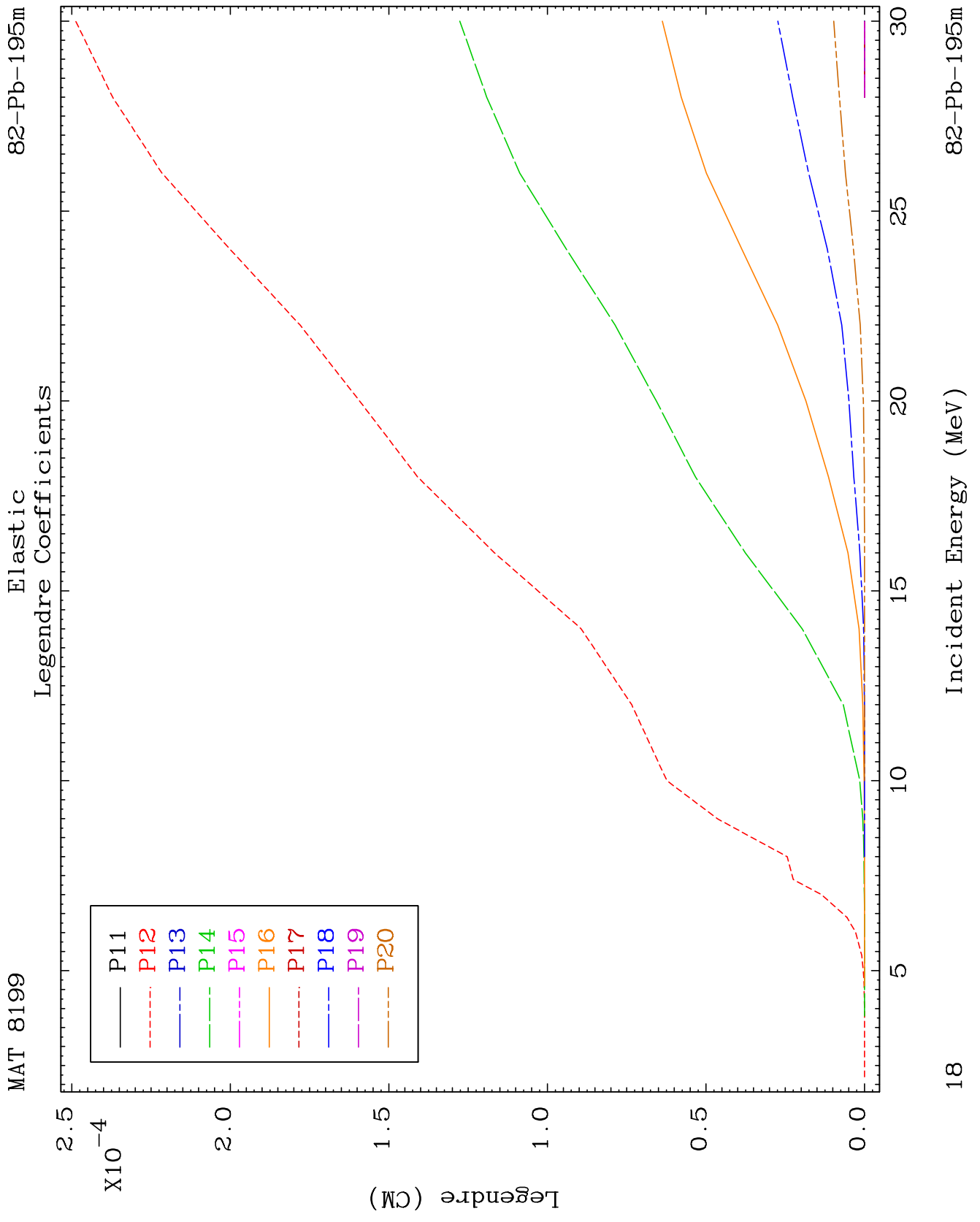
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(n, α) Levels
293 Kelvin Cross Sections

82-Pb-195m



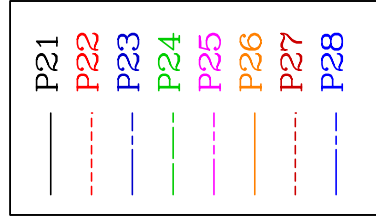




MAT 8199

Elastic
Legendre Coefficients

82-Pb-195m



$\times 10^{-6}$

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

25

30

19

Incident Energy (MeV)

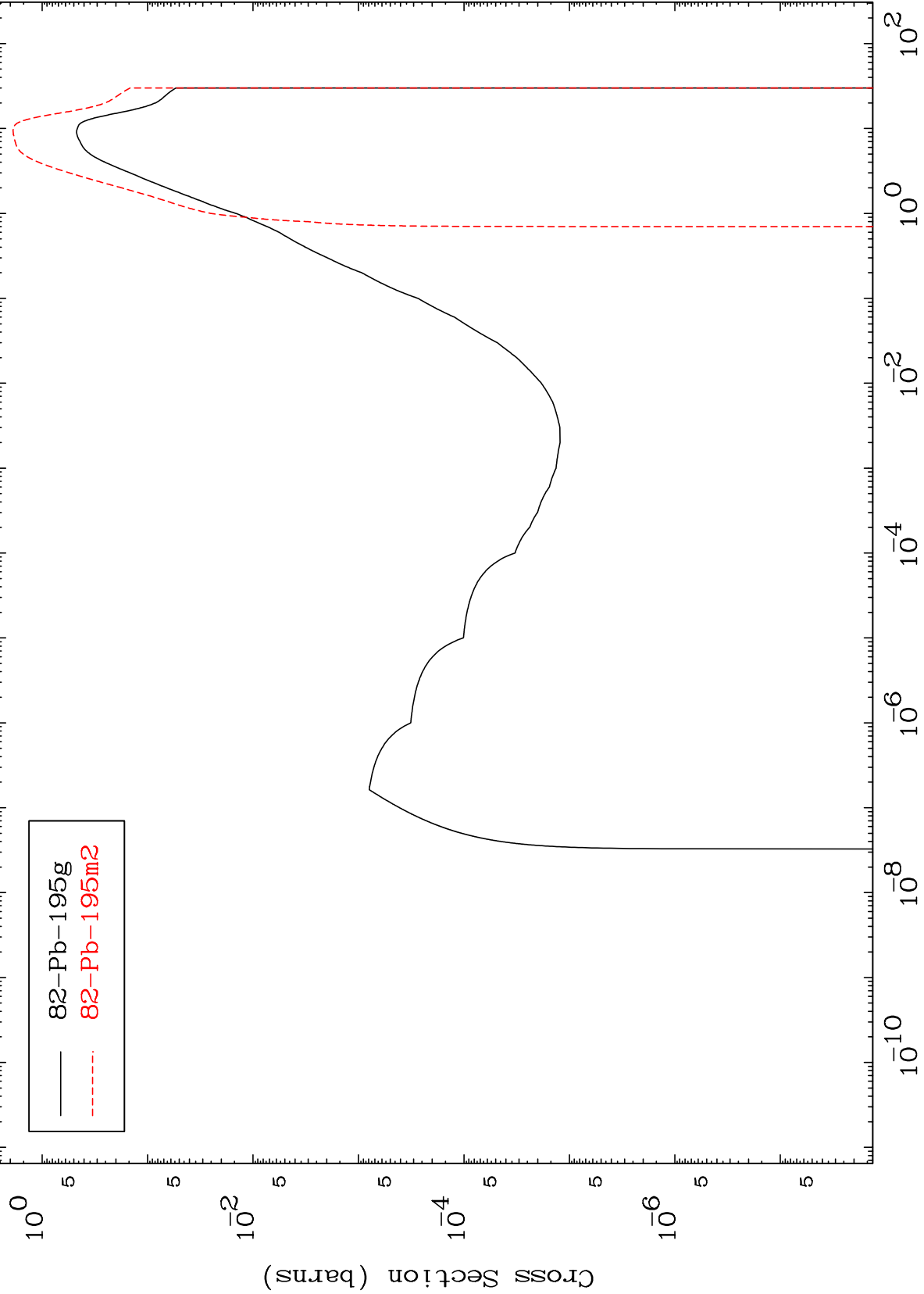
82-Pb-195m



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Inelastic
Radionuclide Production Cross Section

82-Pb-195m



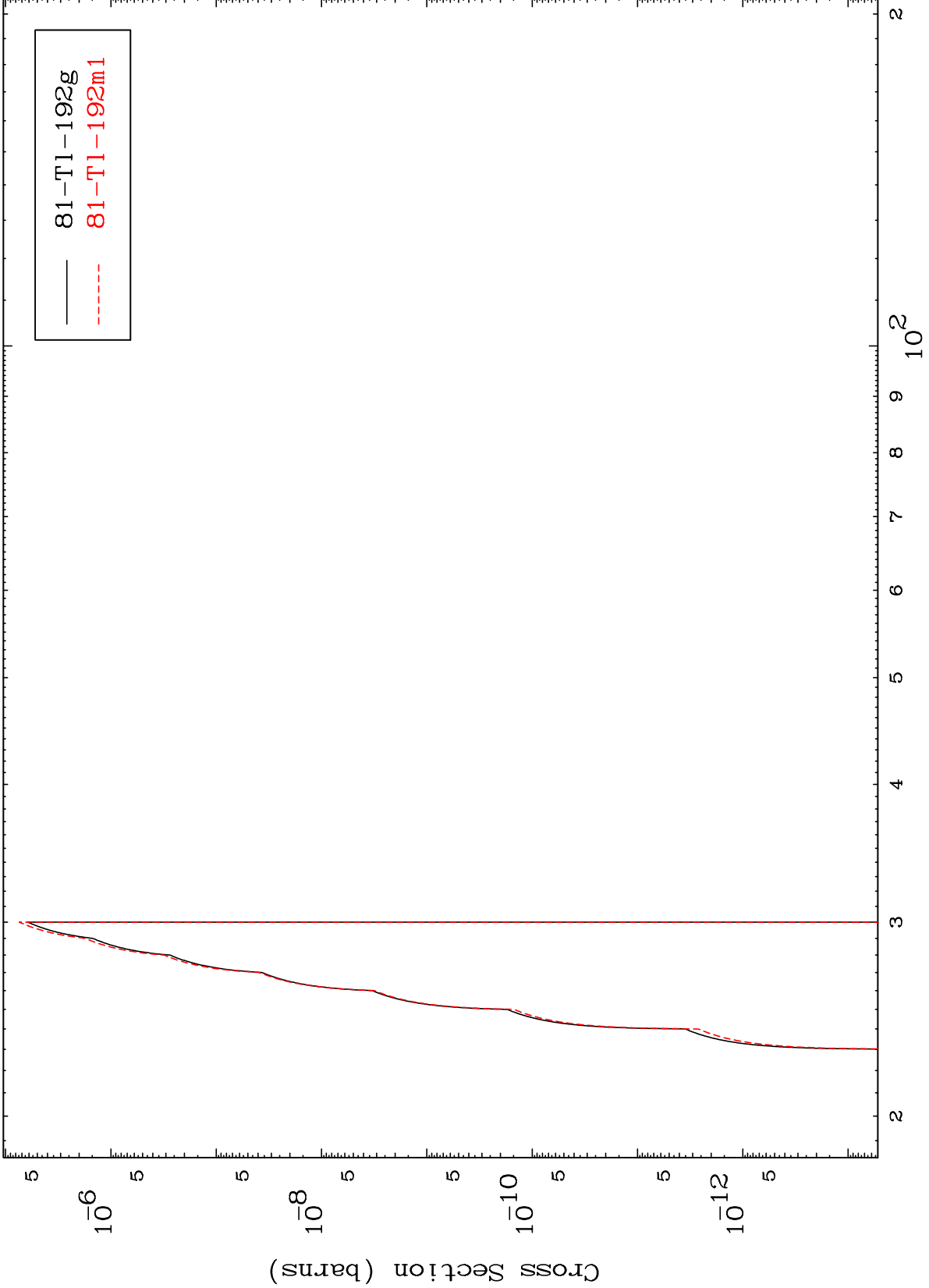
82-Pb-195g
82-Pb-195m2

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(n,2n) d

82-Pb-195m

Radionuclide Production Cross Section

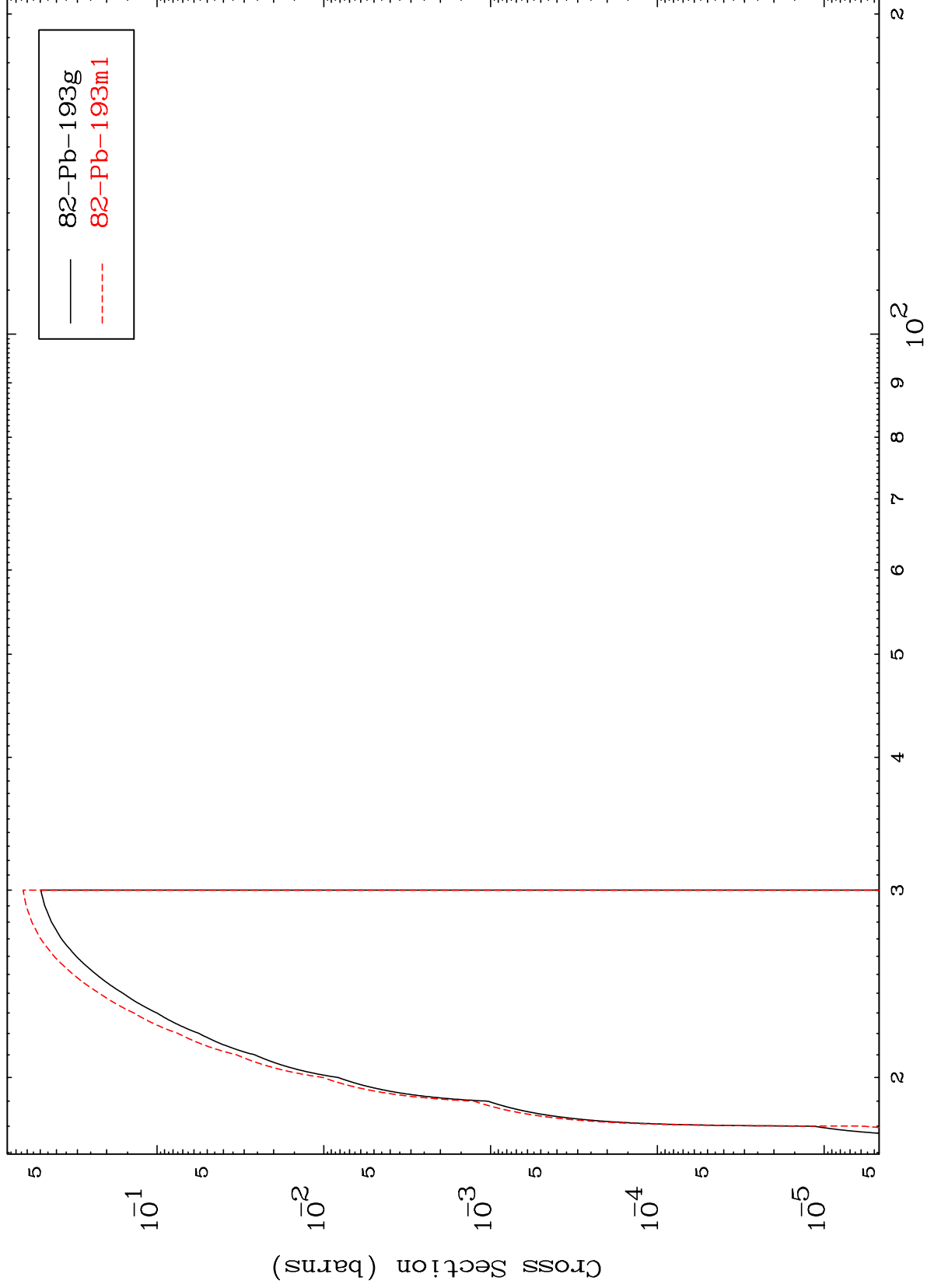


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Incident Energy (MeV)

82-Pb-195m

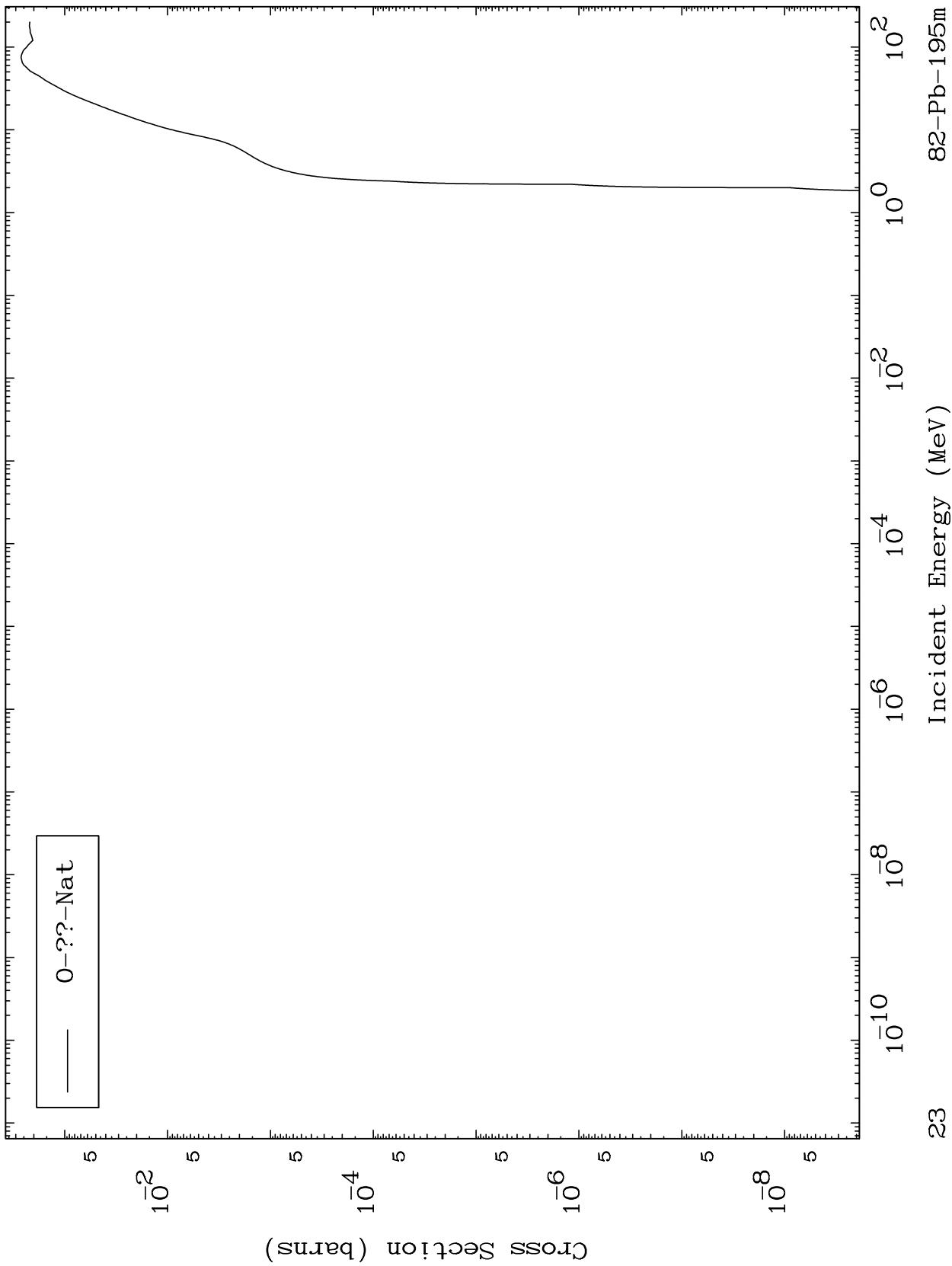
Radionuclide Production Cross Section



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Fission
Radionuclide Production Cross Section

82-Pb-195m

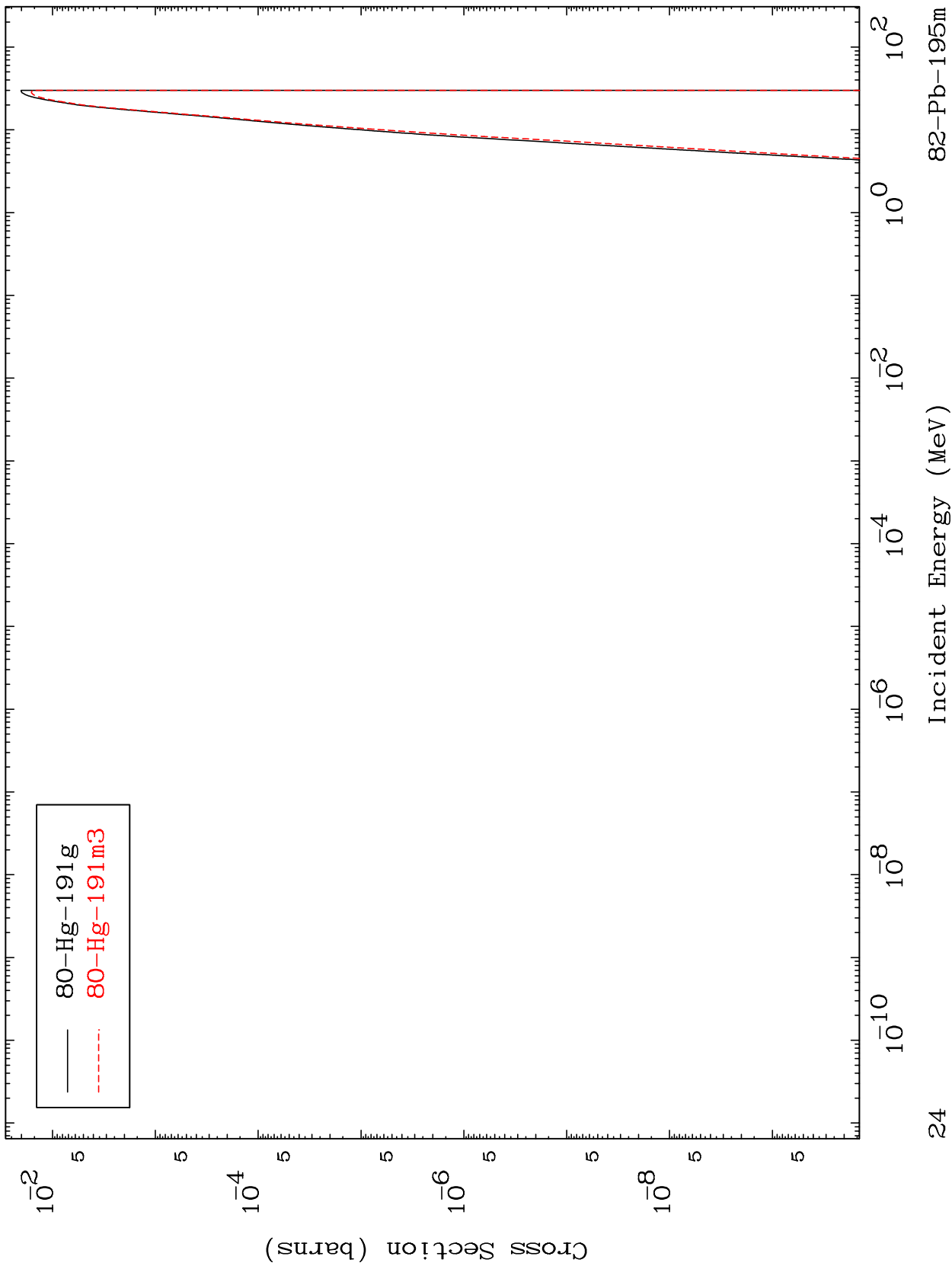


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$(n, n') \alpha$

82-Pb-195m

Radionuclide Production Cross Section

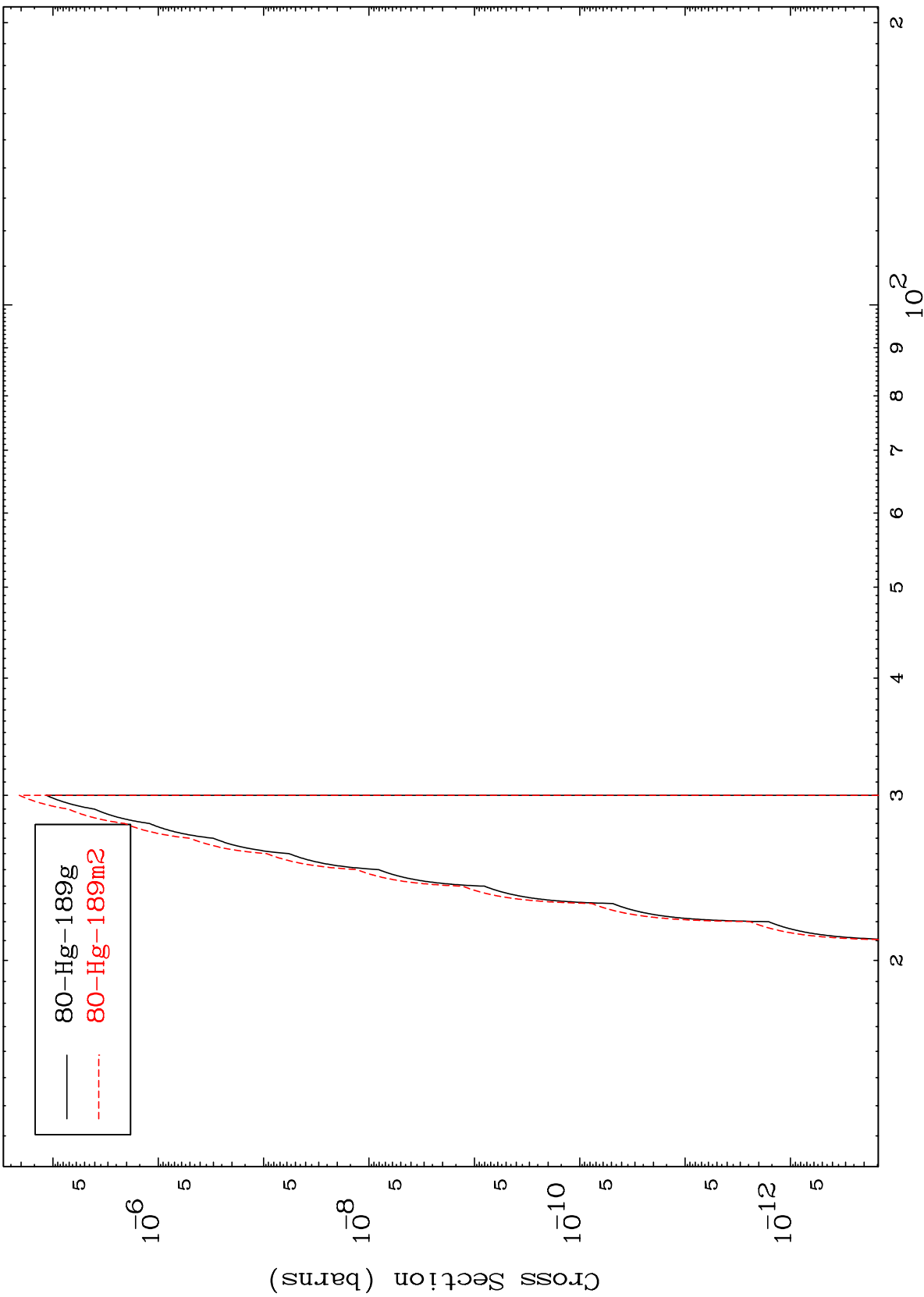


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(n,3n) α

82-Pb-195m

Radionuclide Production Cross Section

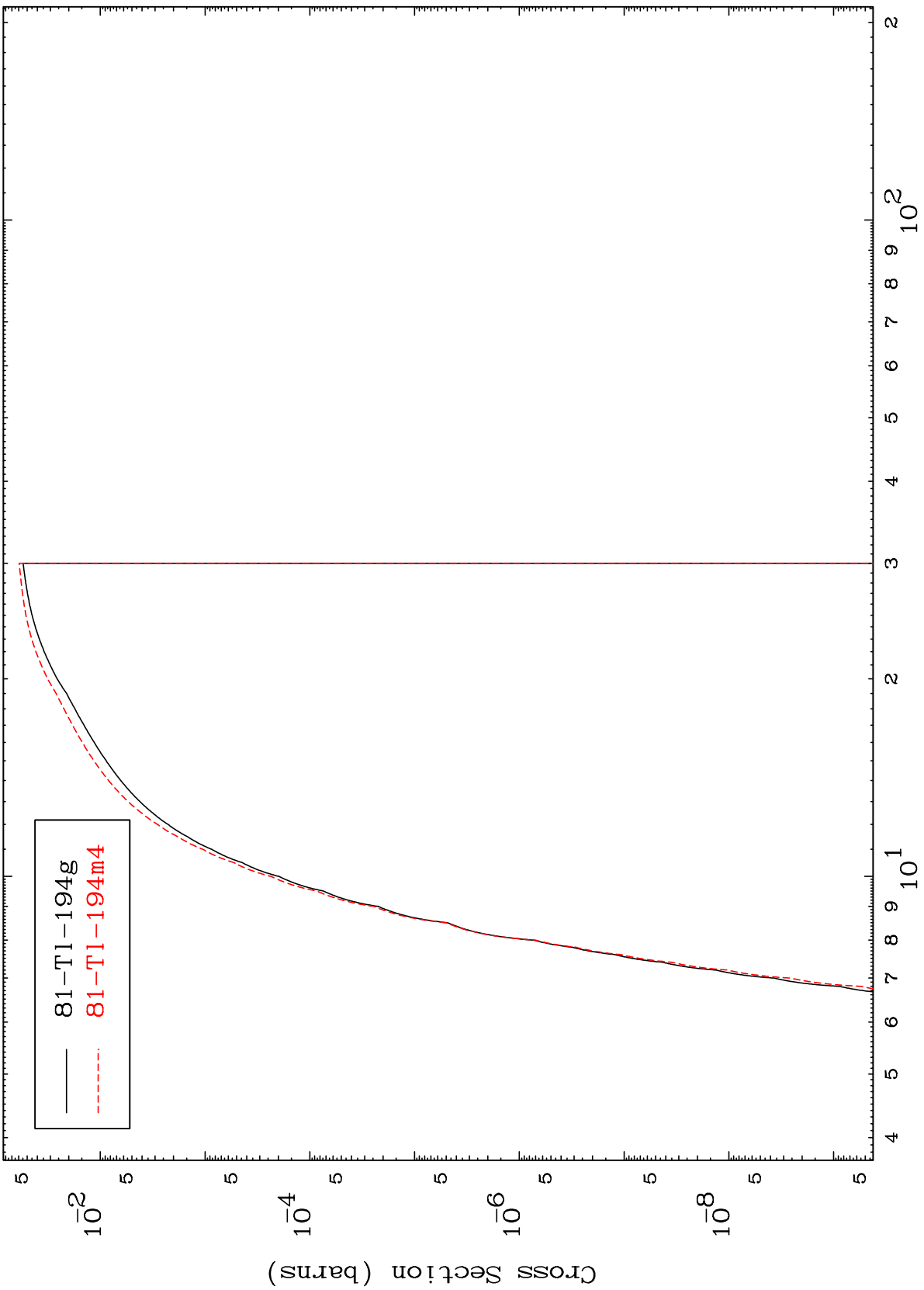


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(n,n') p

82-Pb-195m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

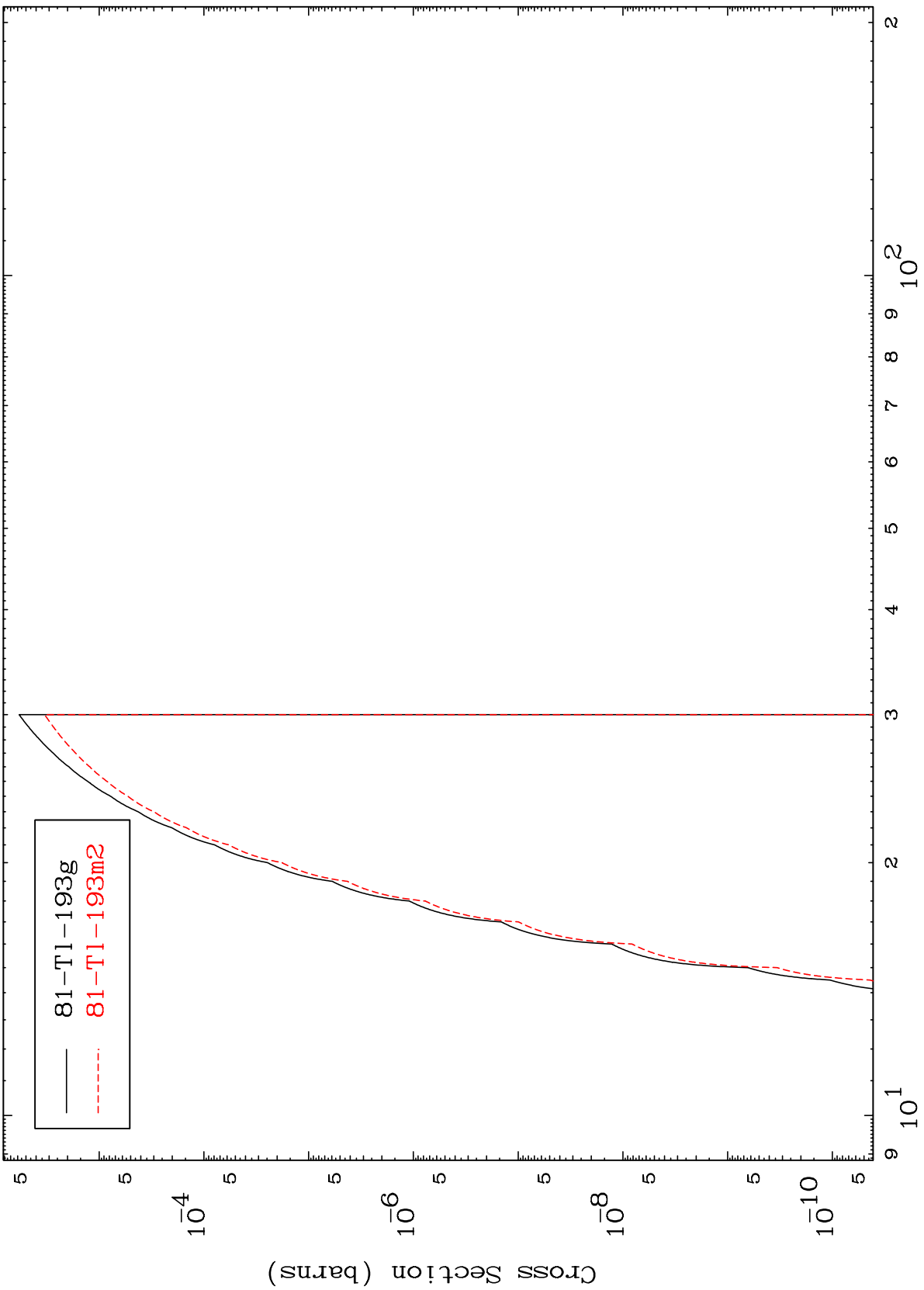
82-Pb-195m

MAT 8199

(n,n') d

82-Pb-195m

Radionuclide Production Cross Section

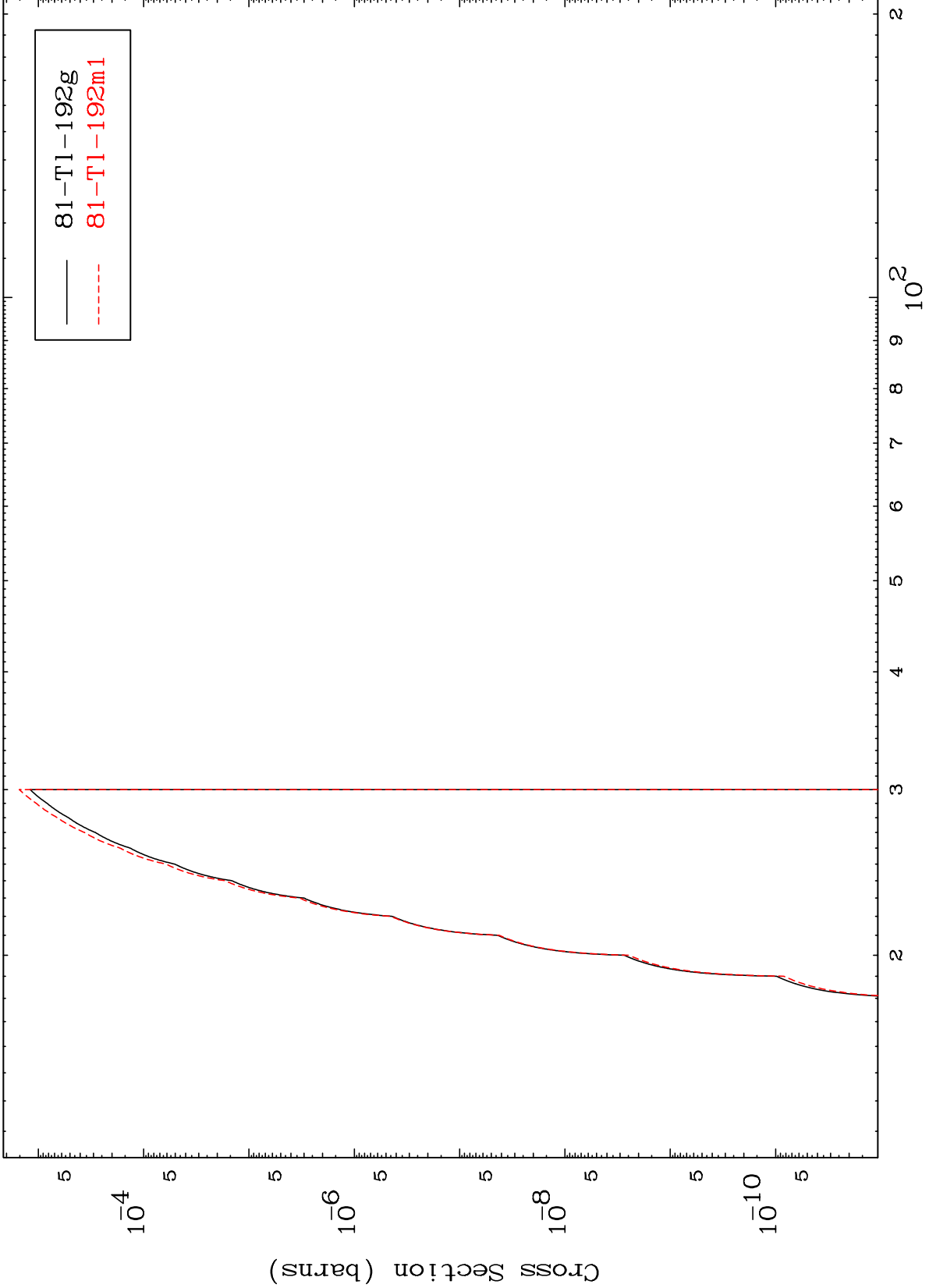


27

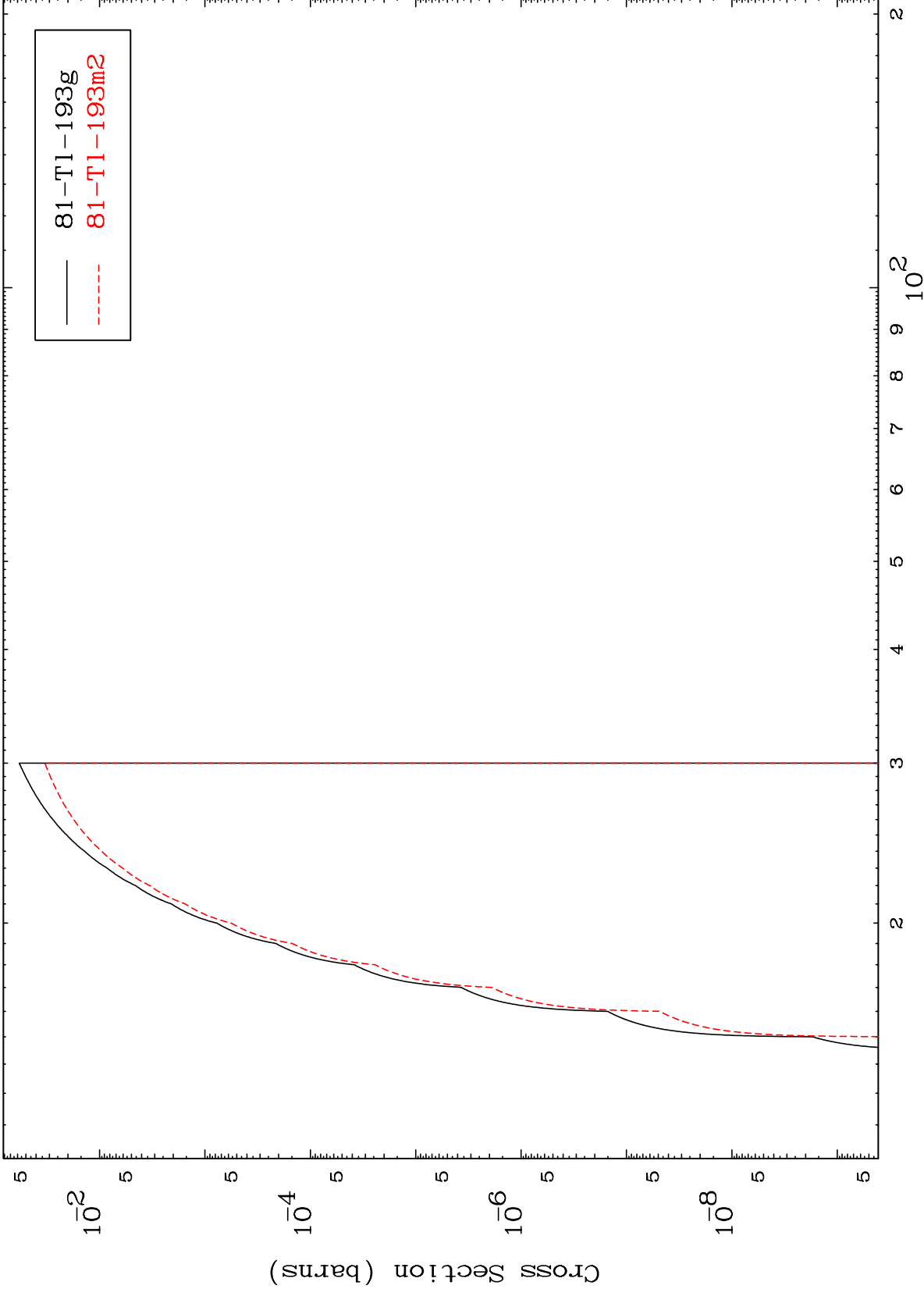
Incident Energy (MeV)

82-Pb-195m

Radionuclide Production Cross Section



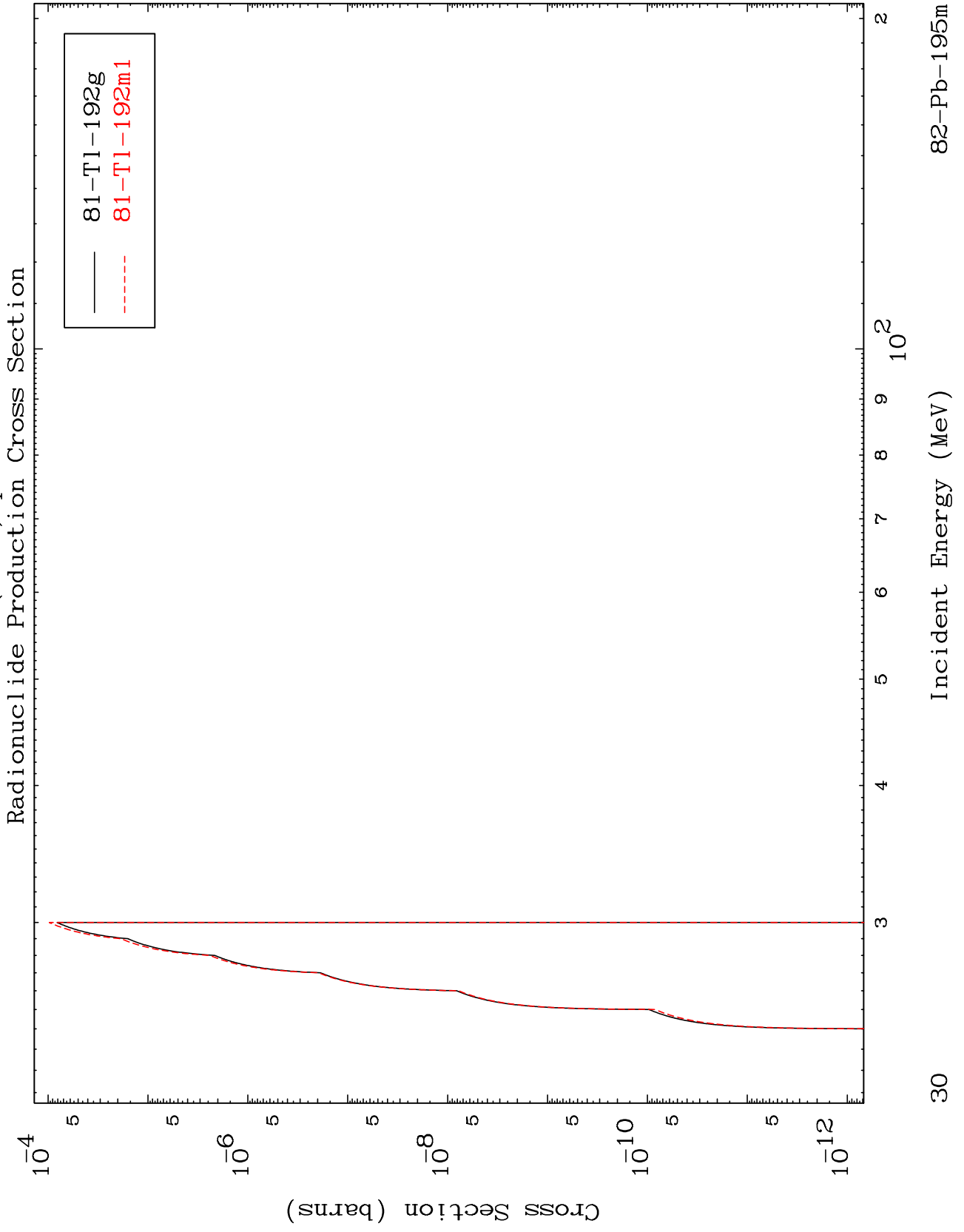
Radionuclide Production Cross Section



MAT 8199

(n,3n) p

82-Pb-195m



30

Incident Energy (MeV)

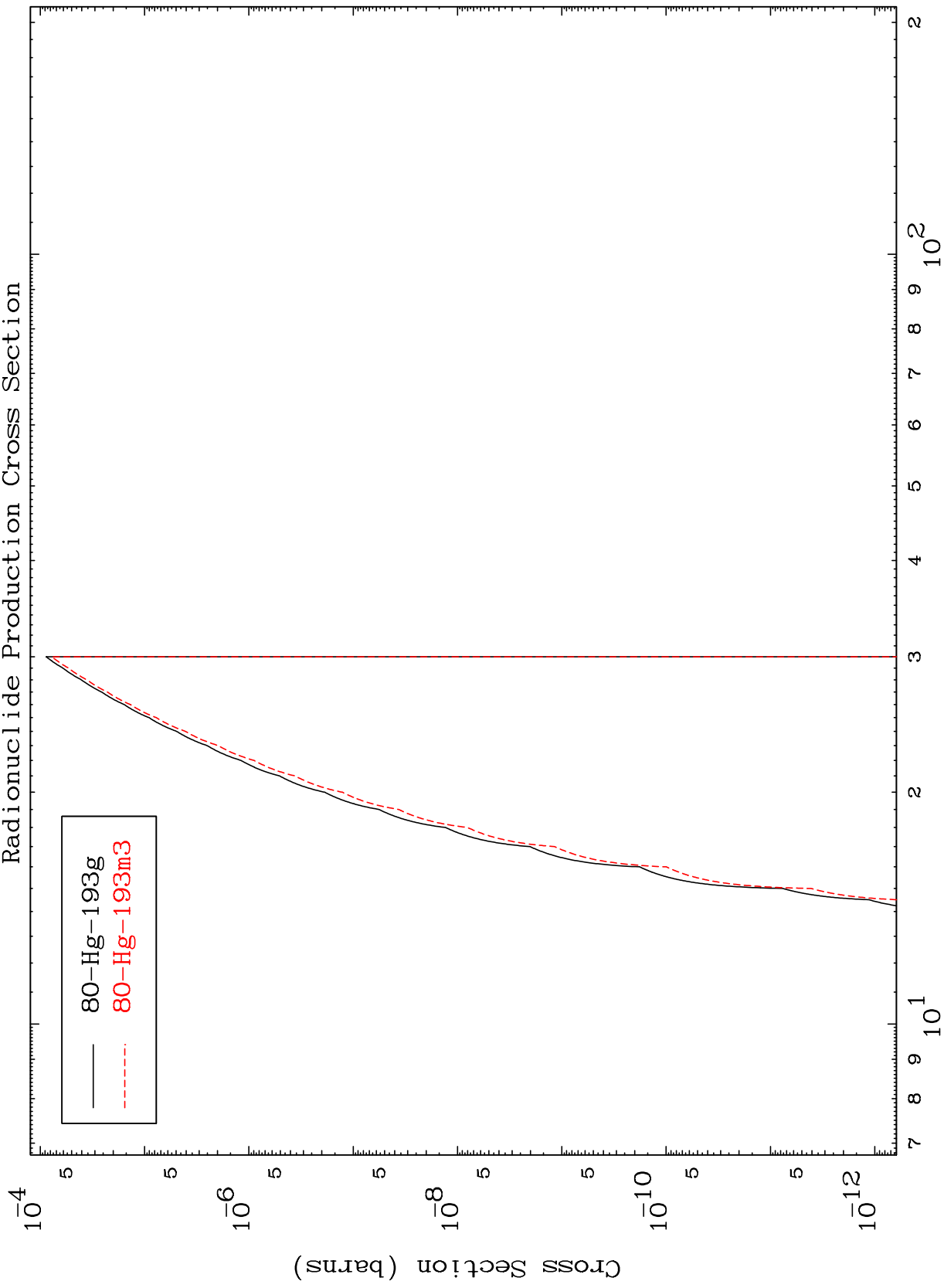
82-Pb-195m

MAT 8199

(n,2n) p

82-Pb-195m

Radionuclide Production Cross Section



31

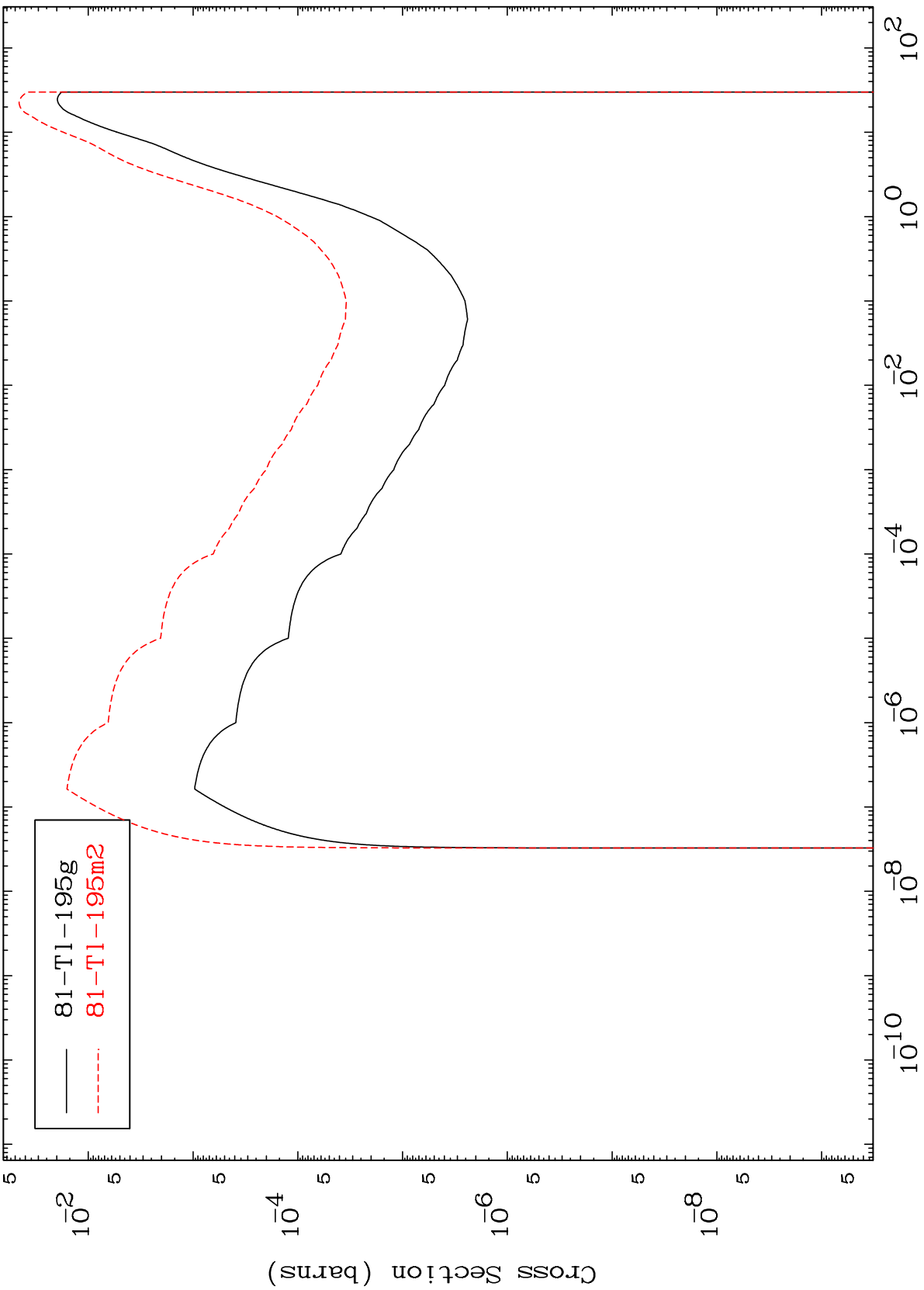
Incident Energy (MeV)

82-Pb-195m

MAT 8199

82-Pb-195m

Radionuclide Production Cross Section (n,p)



32

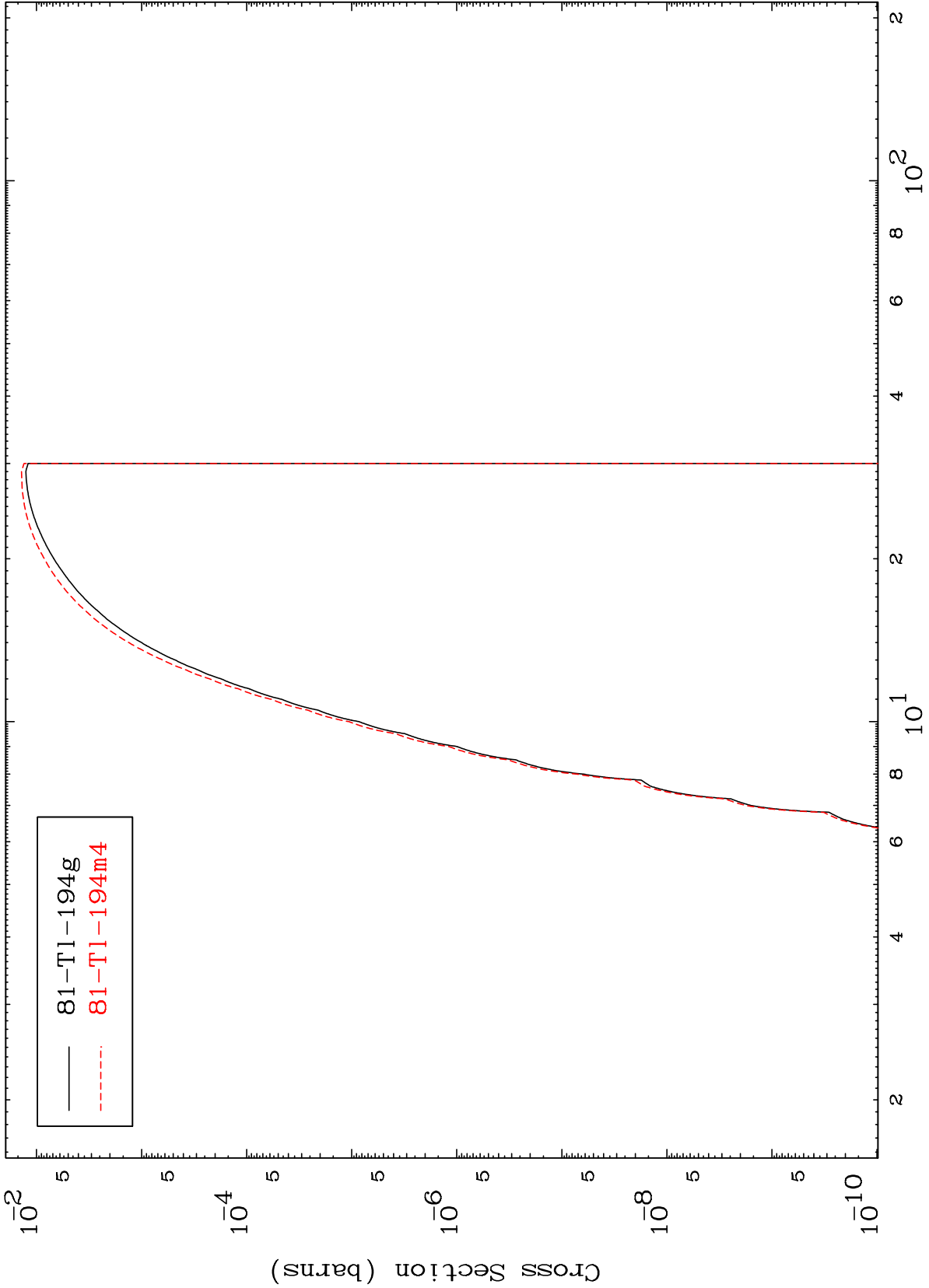
82-Pb-195m

Incident Energy (MeV)

MAT 8199

82-Pb-195m

(n,d)
Radionuclide Production Cross Section



81-Tl-194g
81-Tl-194m4

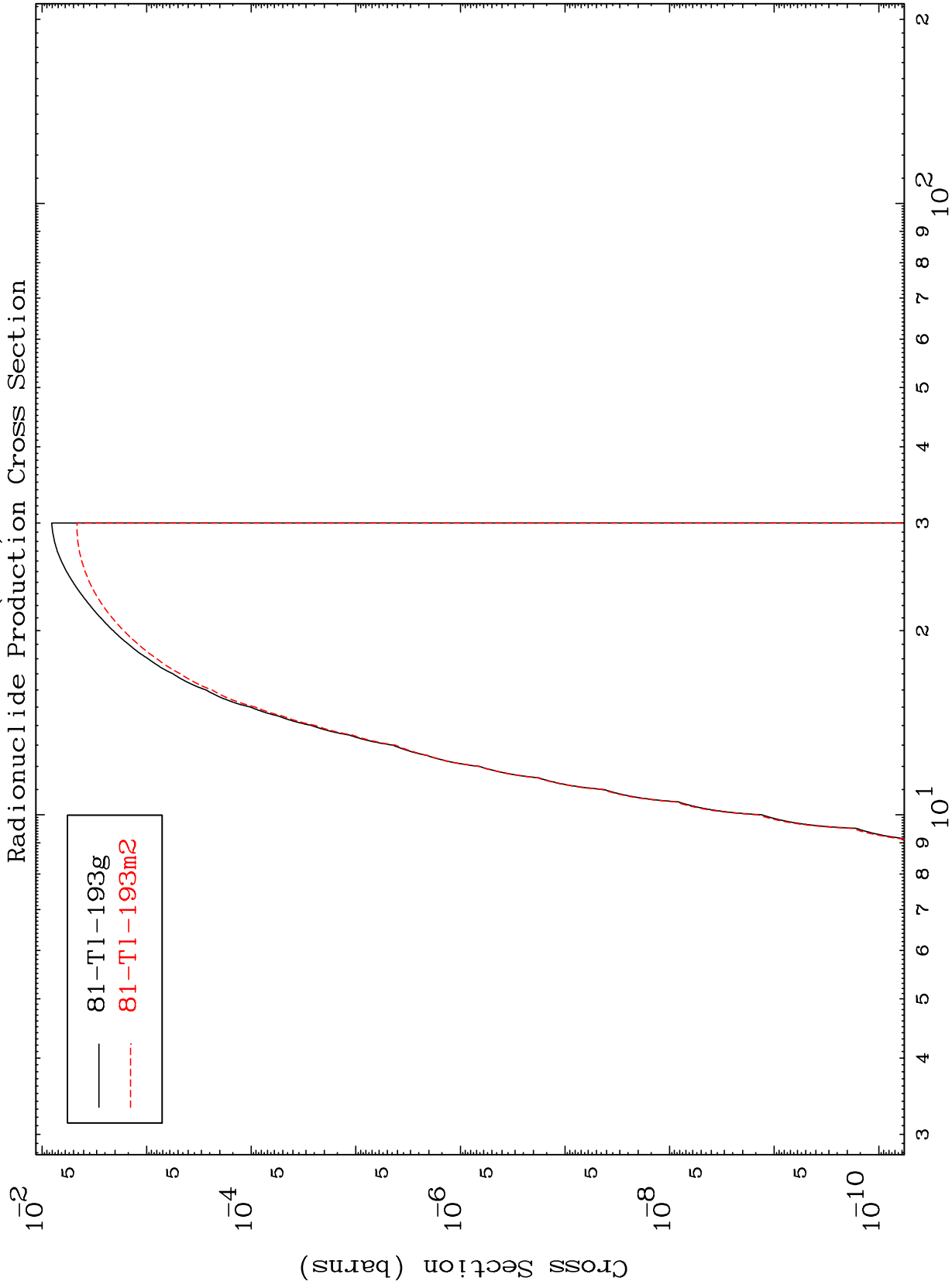
82-Pb-195m

Incident Energy (MeV)

33

MAT 8199

82-Pb-195m



82-Pb-195m

Incident Energy (MeV)

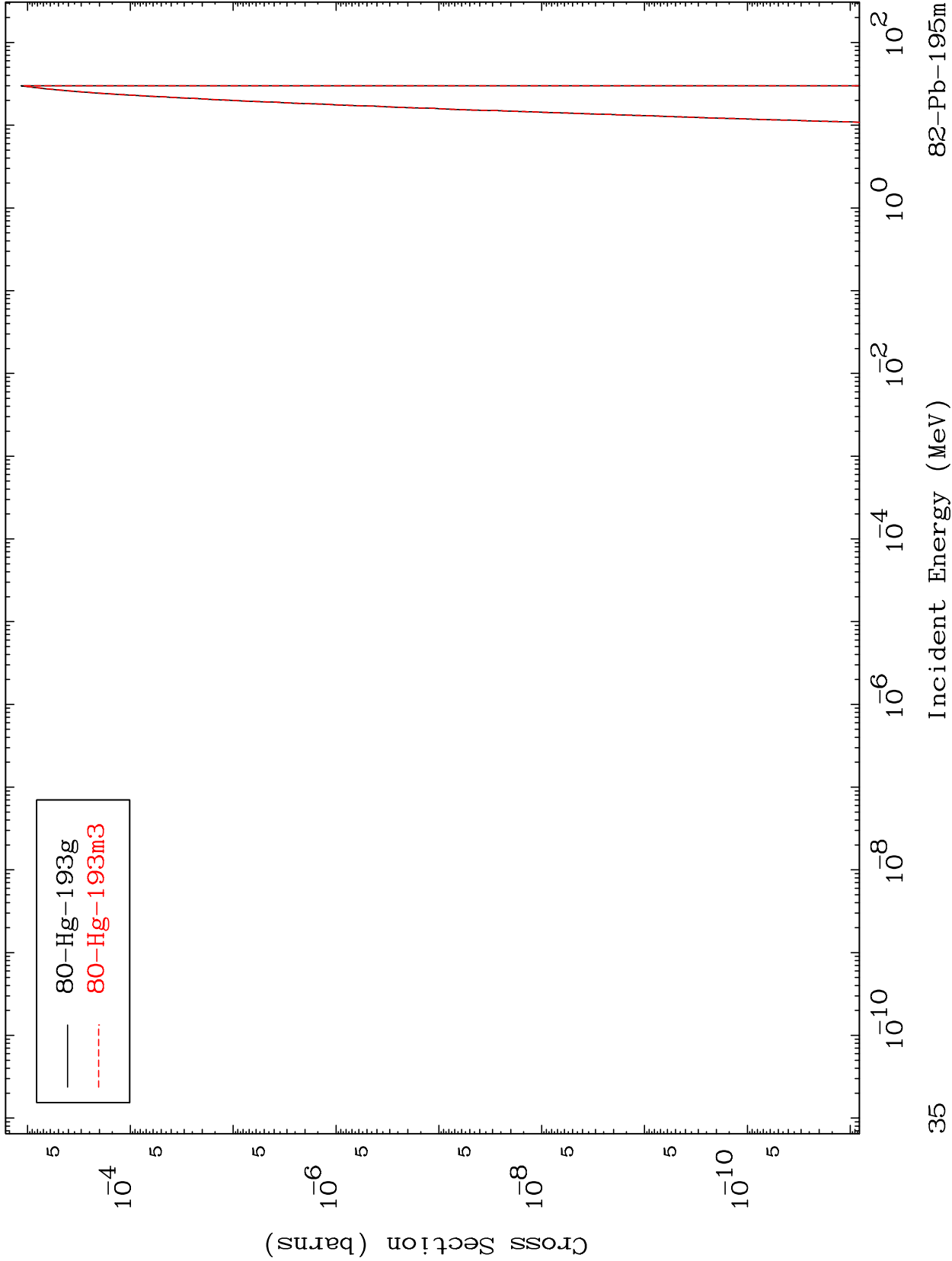
34

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(n,He-3)

82-Pb-195m

Radionuclide Production Cross Section

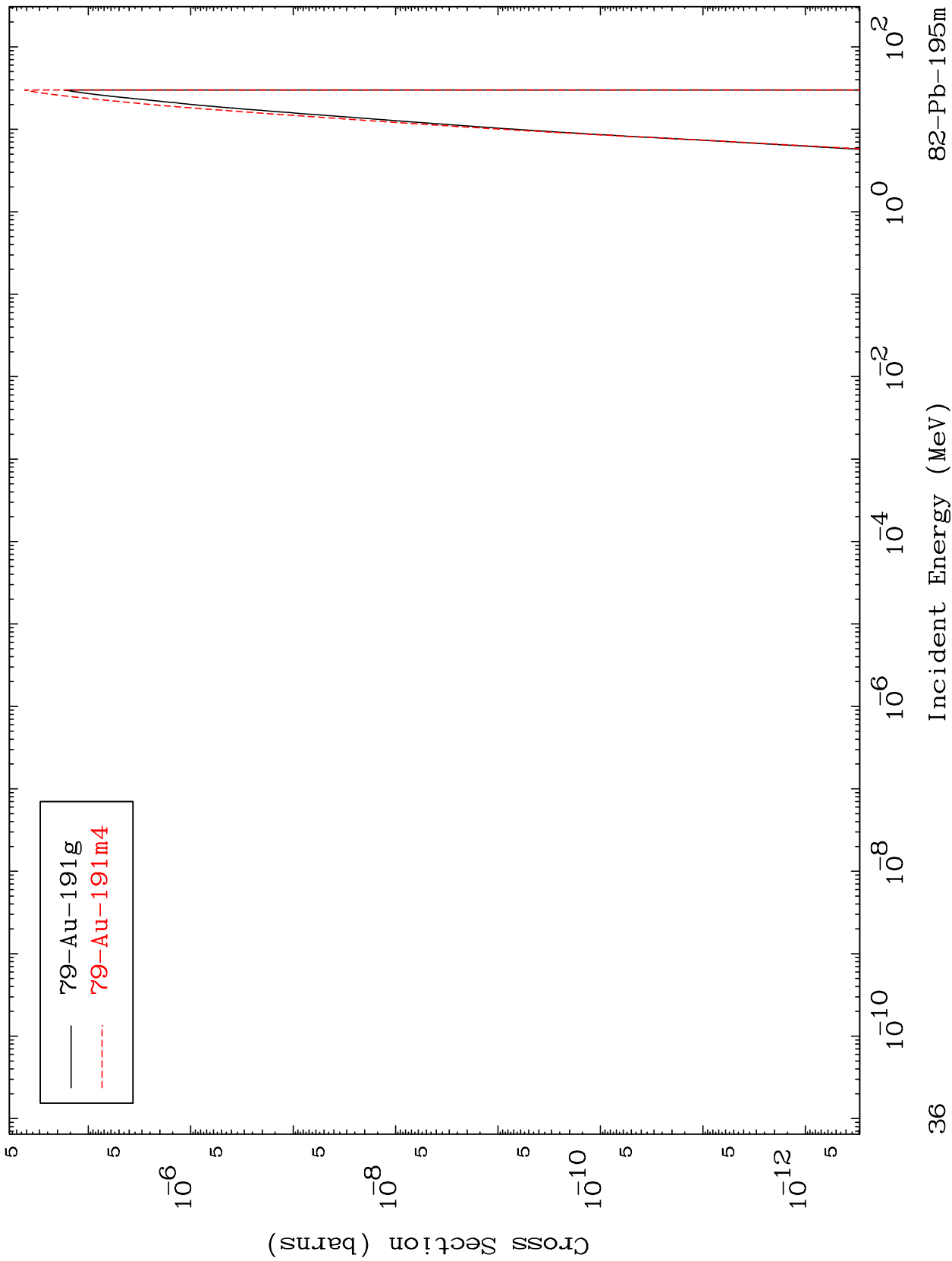


MAT 8199

(n,p) α

82-Pb-195m

Radionuclide Production Cross Section

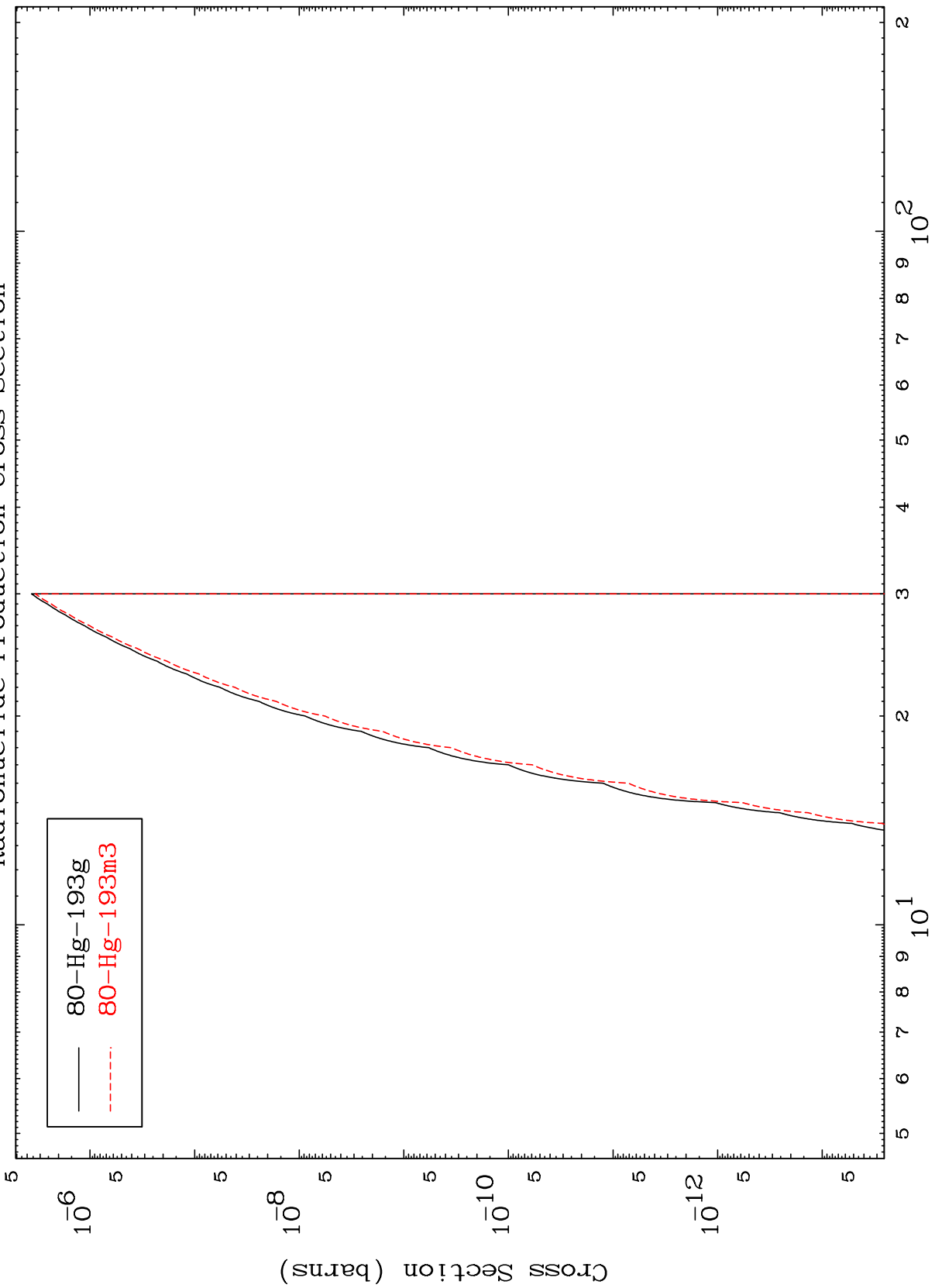


MAT 8199

(n,p) d

82-Pb-195m

Radionuclide Production Cross Section



37

Incident Energy (MeV)

82-Pb-195m