

Program EVALPLOT
(Version 2021-1)

by

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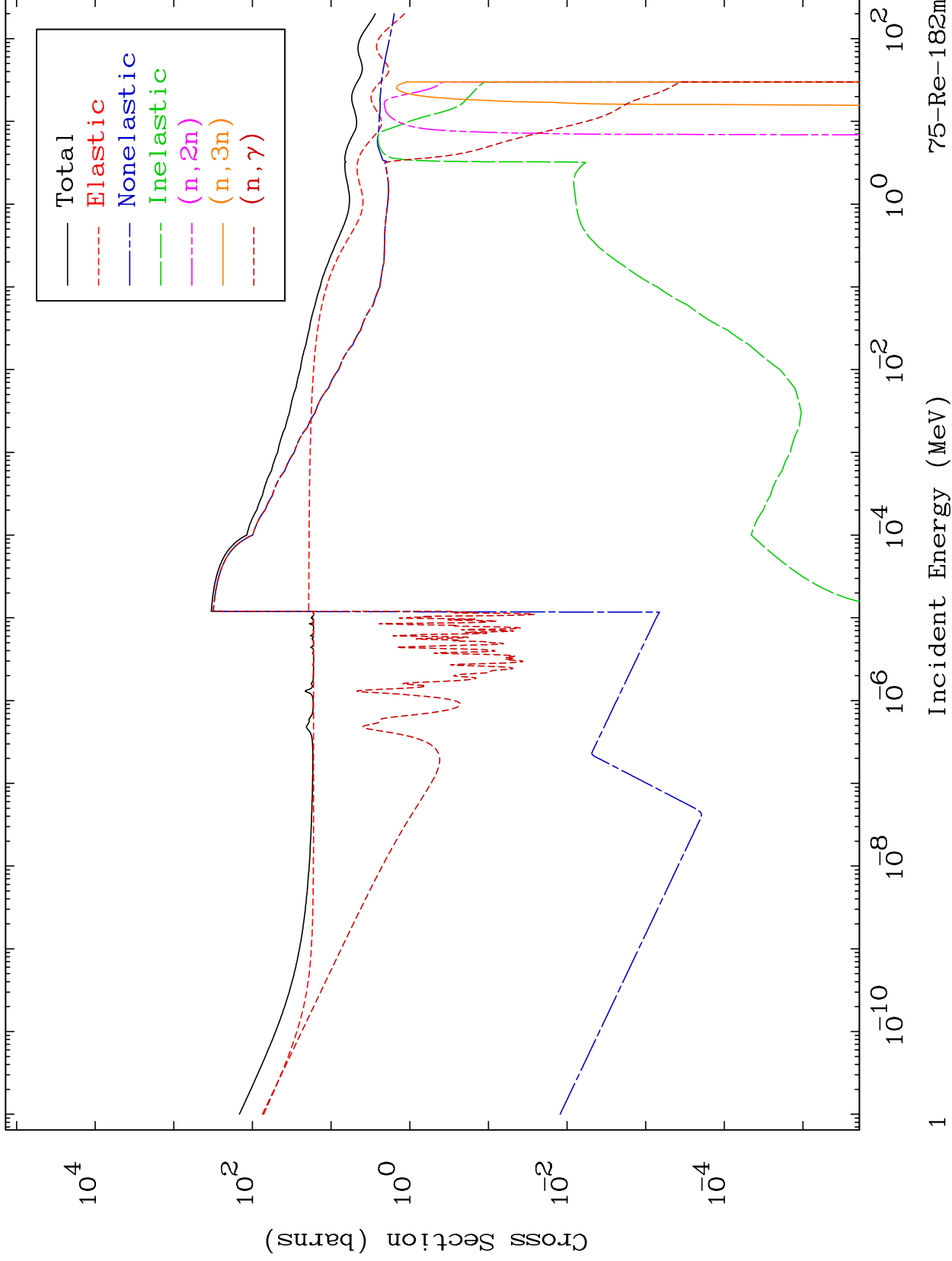
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7517

Neutron Major
293 Kelvin Cross Sections

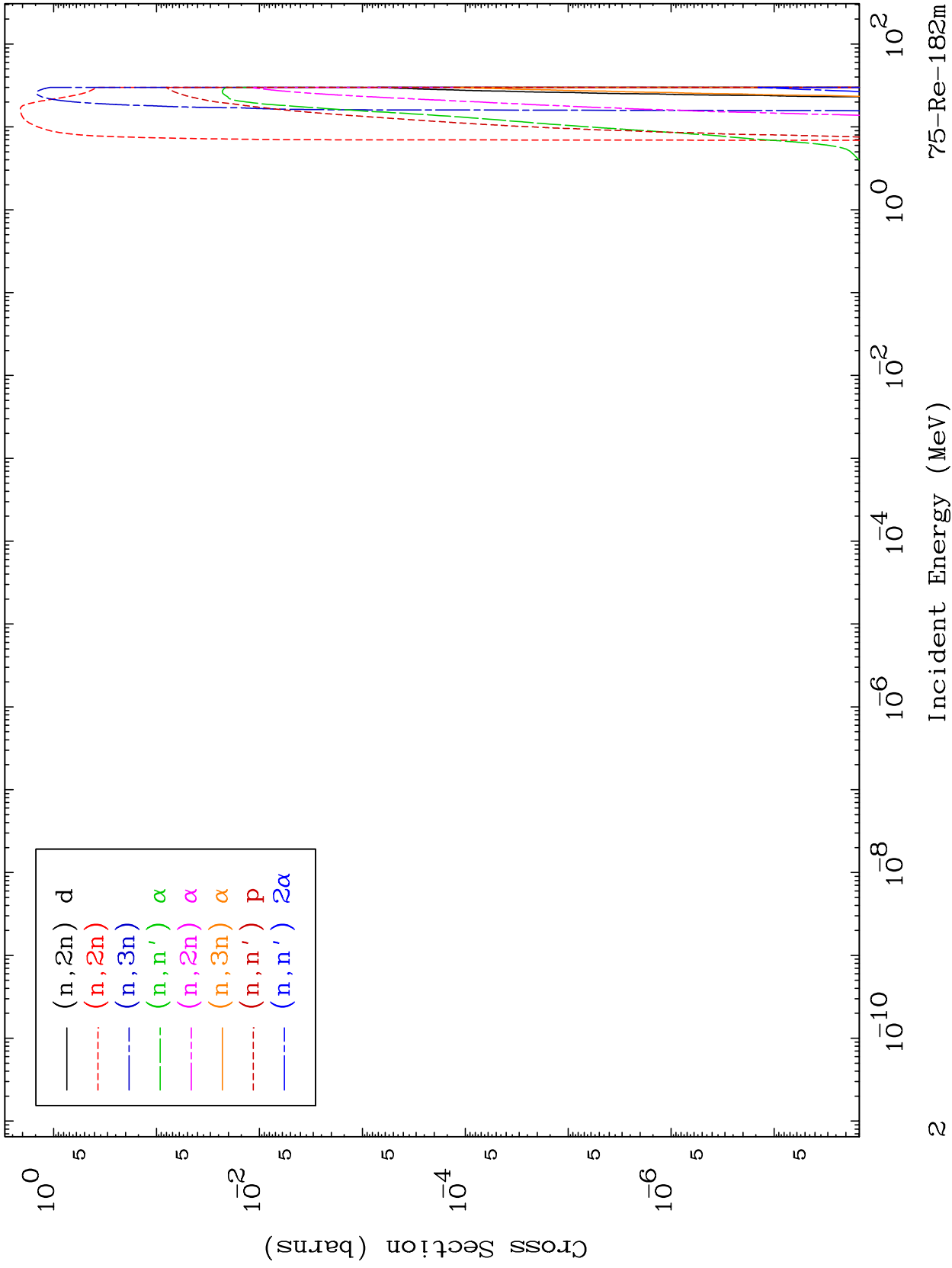
75-Re-182m



MAT 7517

Neutron Absorption
293 Kelvin Cross Sections

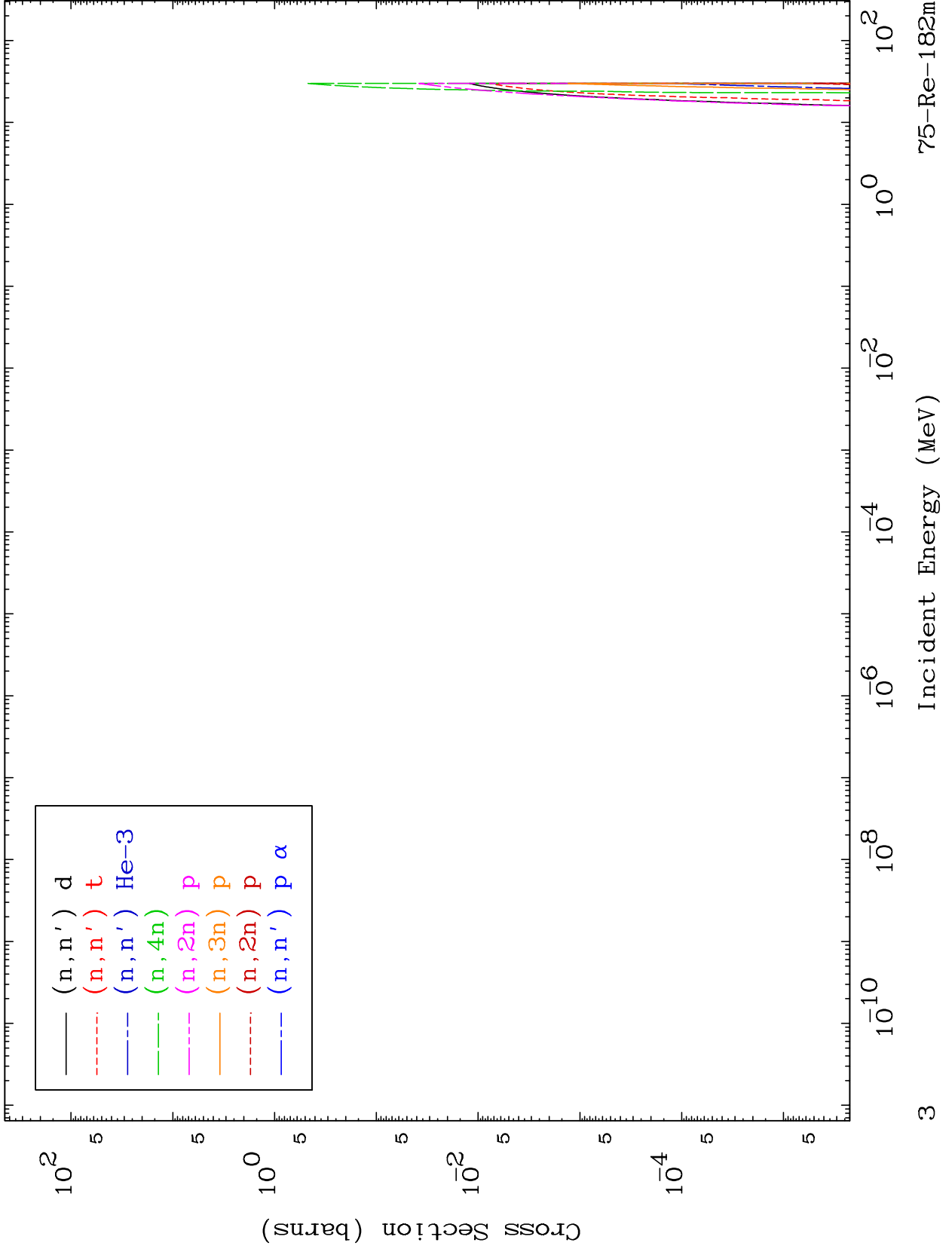
75-Re-182m



MAT 7517

Neutron Absorption
293 Kelvin Cross Sections

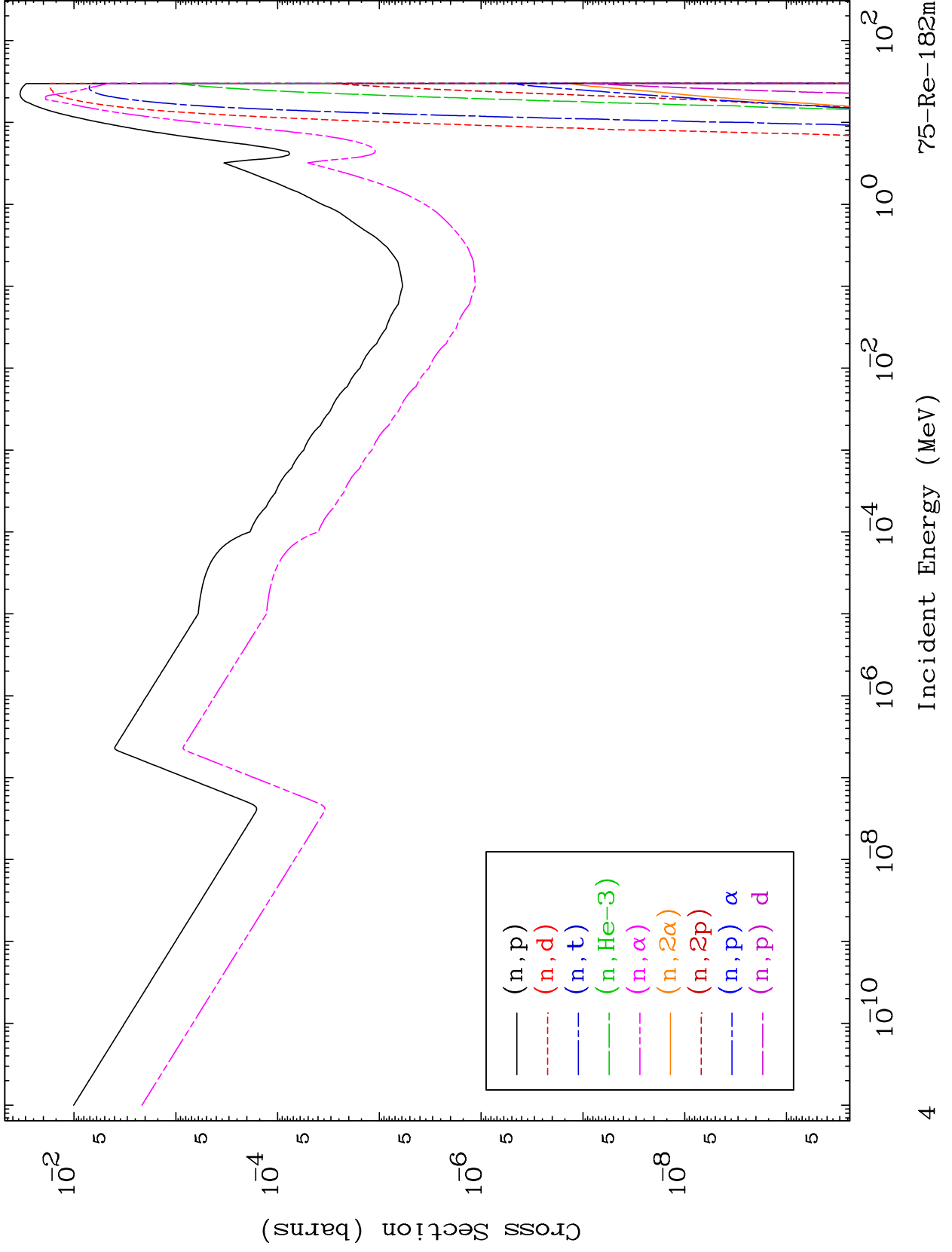
75-Re-182m



MAT 7517

Neutron Absorption
293 Kelvin Cross Sections

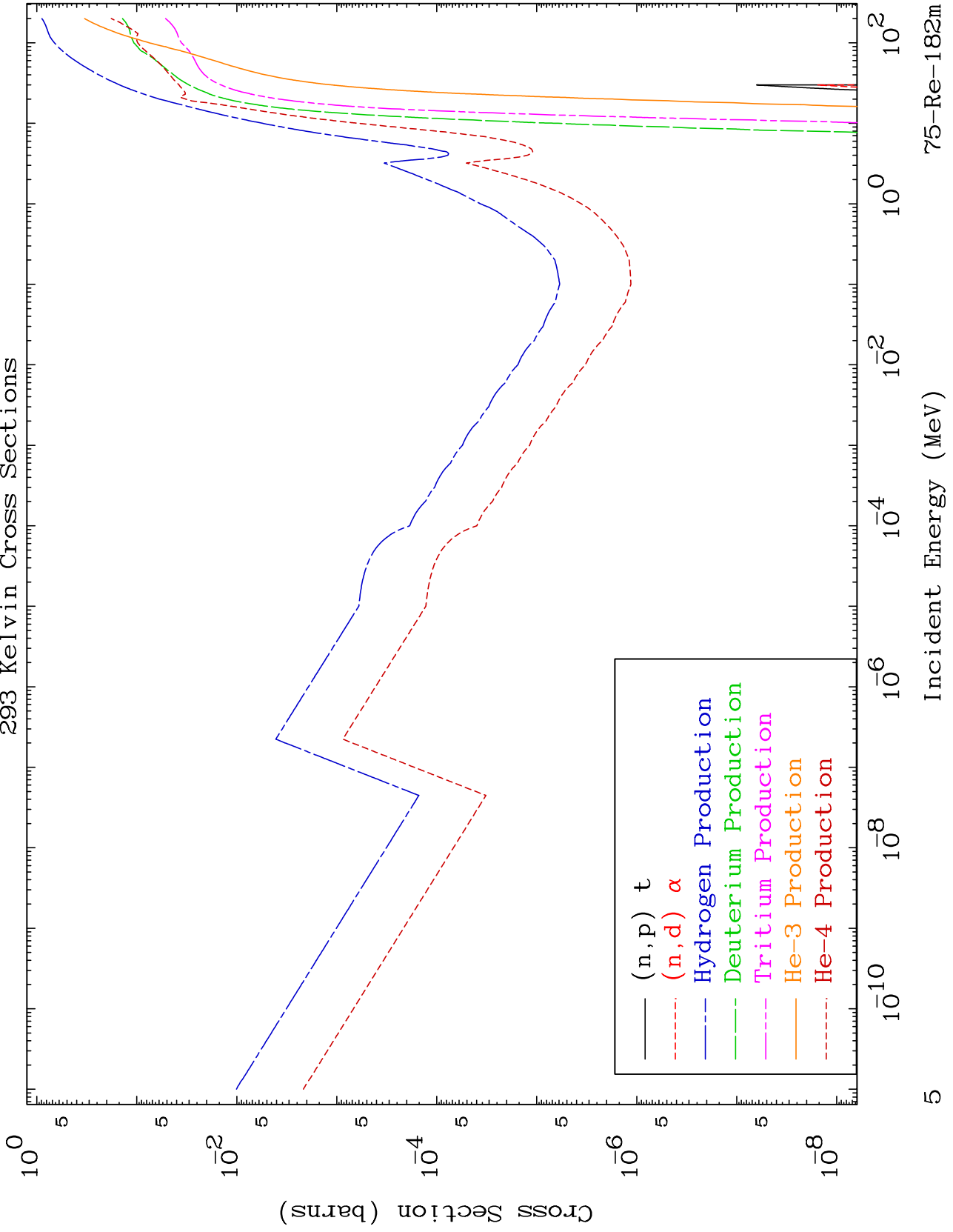
75-Re-182m



MAT 7517

Neutron Absorption
293 Kelvin Cross Sections

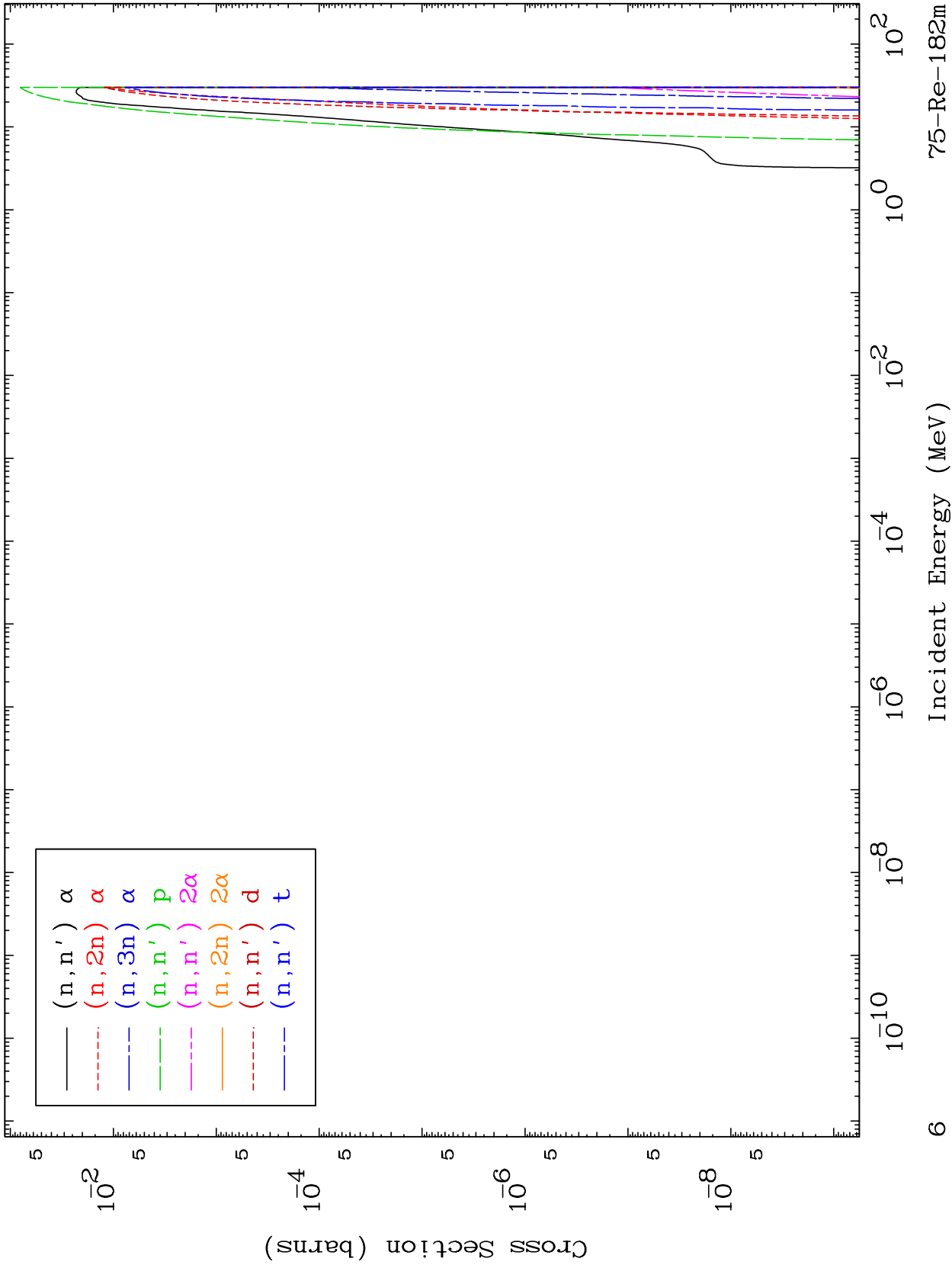
75-Re-182m



MAT 7517

Charged Particle
293 Kelvin Cross Sections

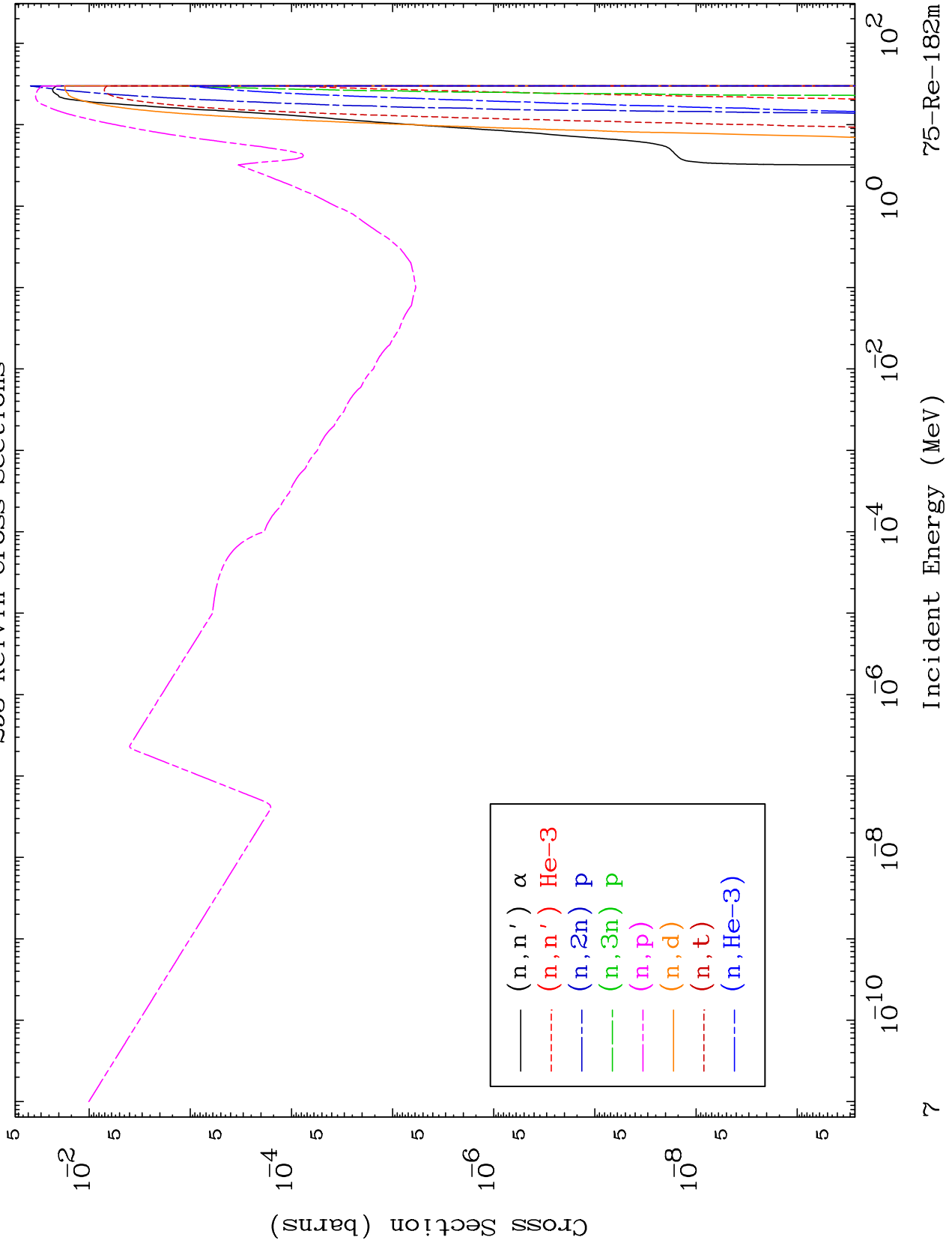
75-Re-182m



MAT 7517

Charged Particle
293 Kelvin Cross Sections

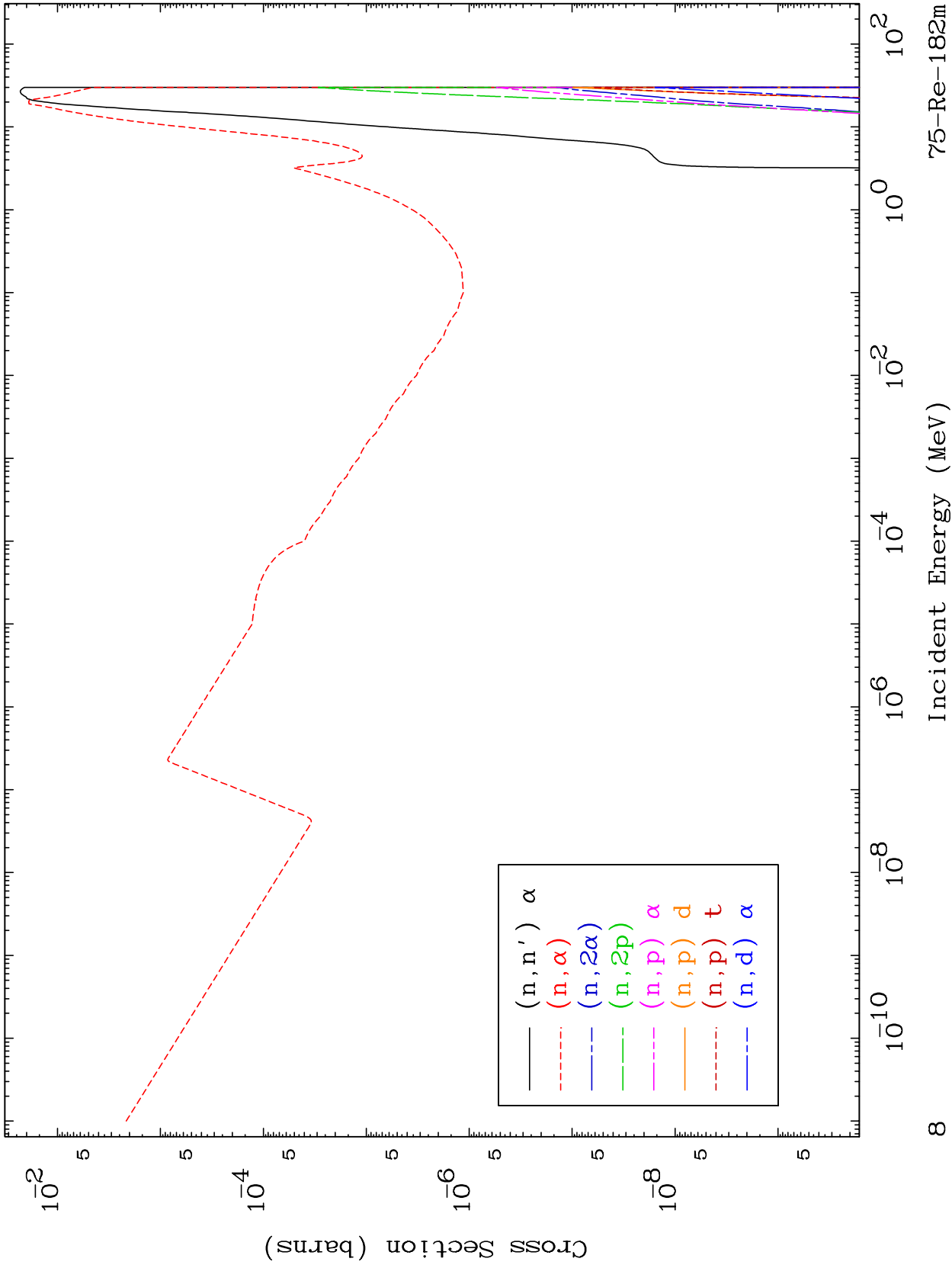
75-Re-182m



MAT 7517

Charged Particle
293 Kelvin Cross Sections

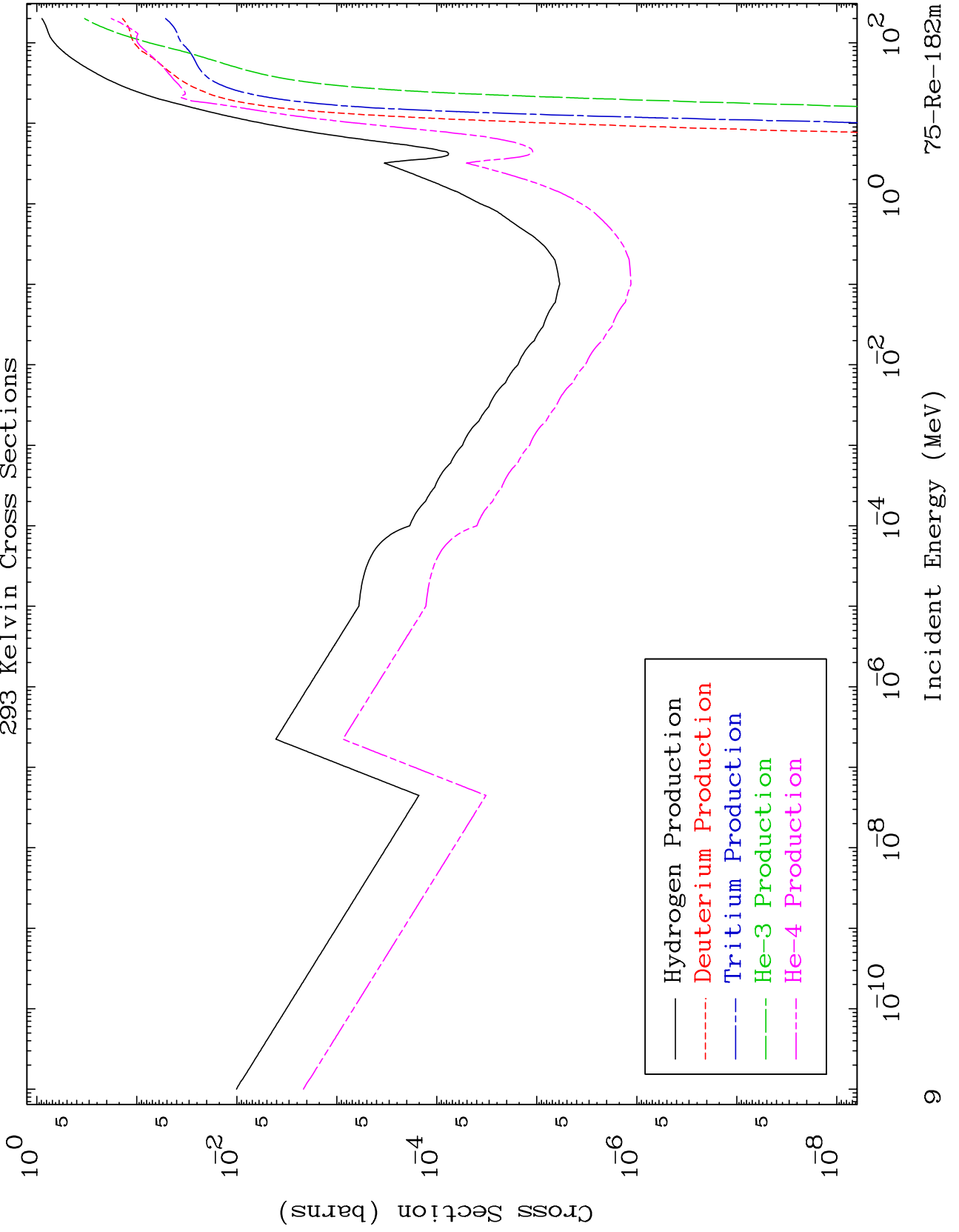
75-Re-182m



MAT 7517

Particle Production
293 Kelvin Cross Sections

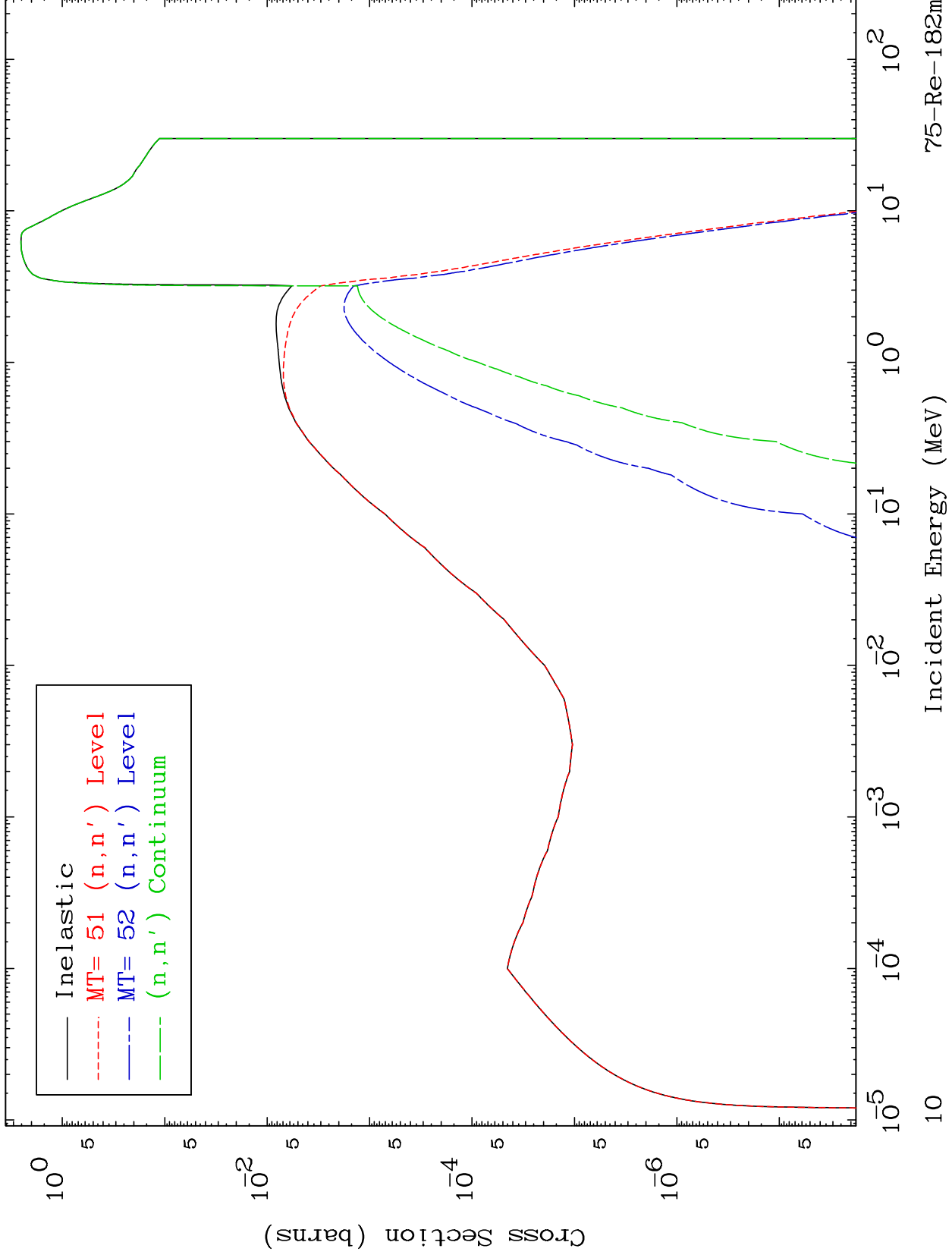
75-Re-182m



MAT 7517

(n,n') Levels
293 Kelvin Cross Sections

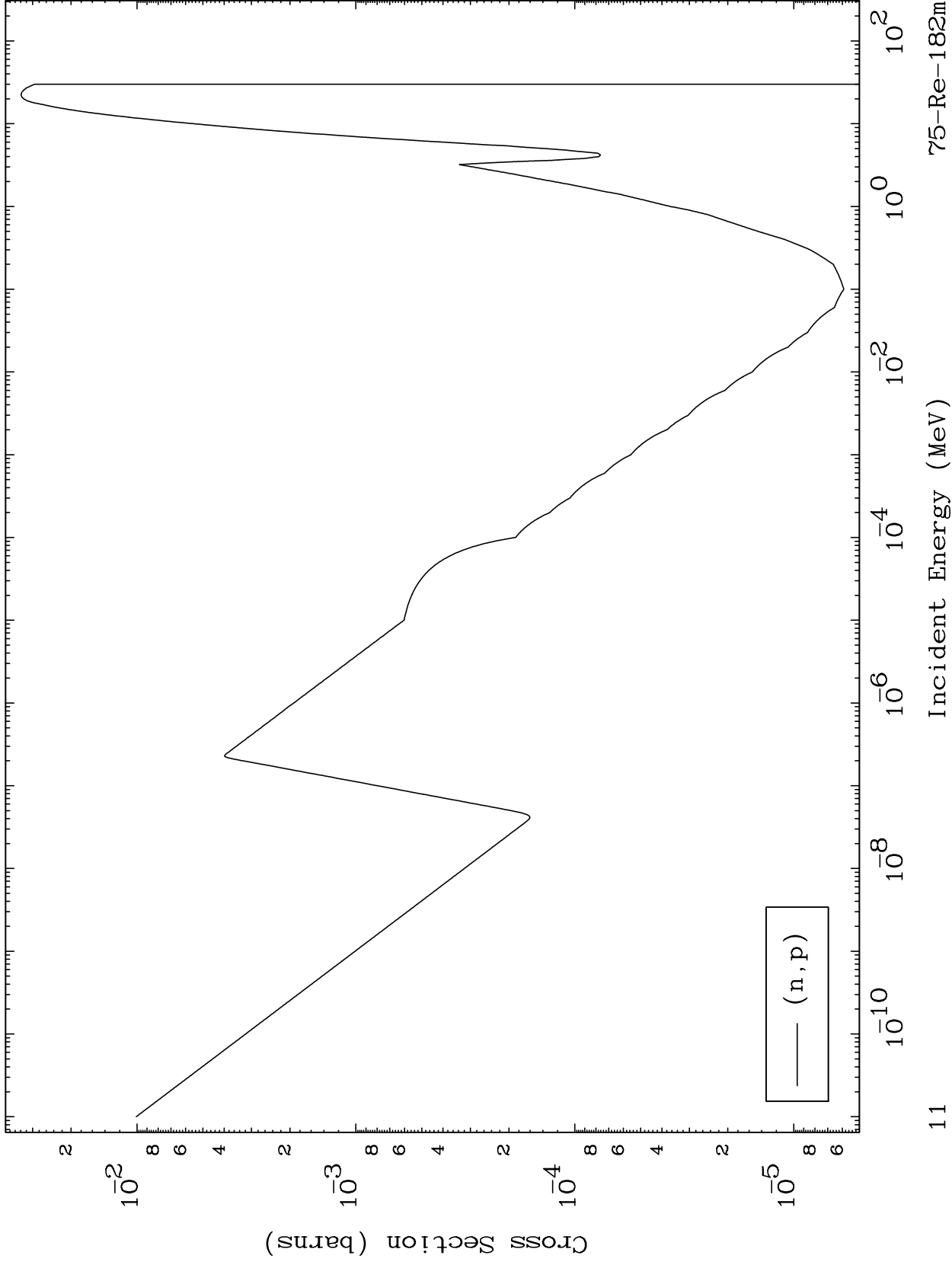
75-Re-182m



MAT 7517

(n,p) Levels
293 Kelvin Cross Sections

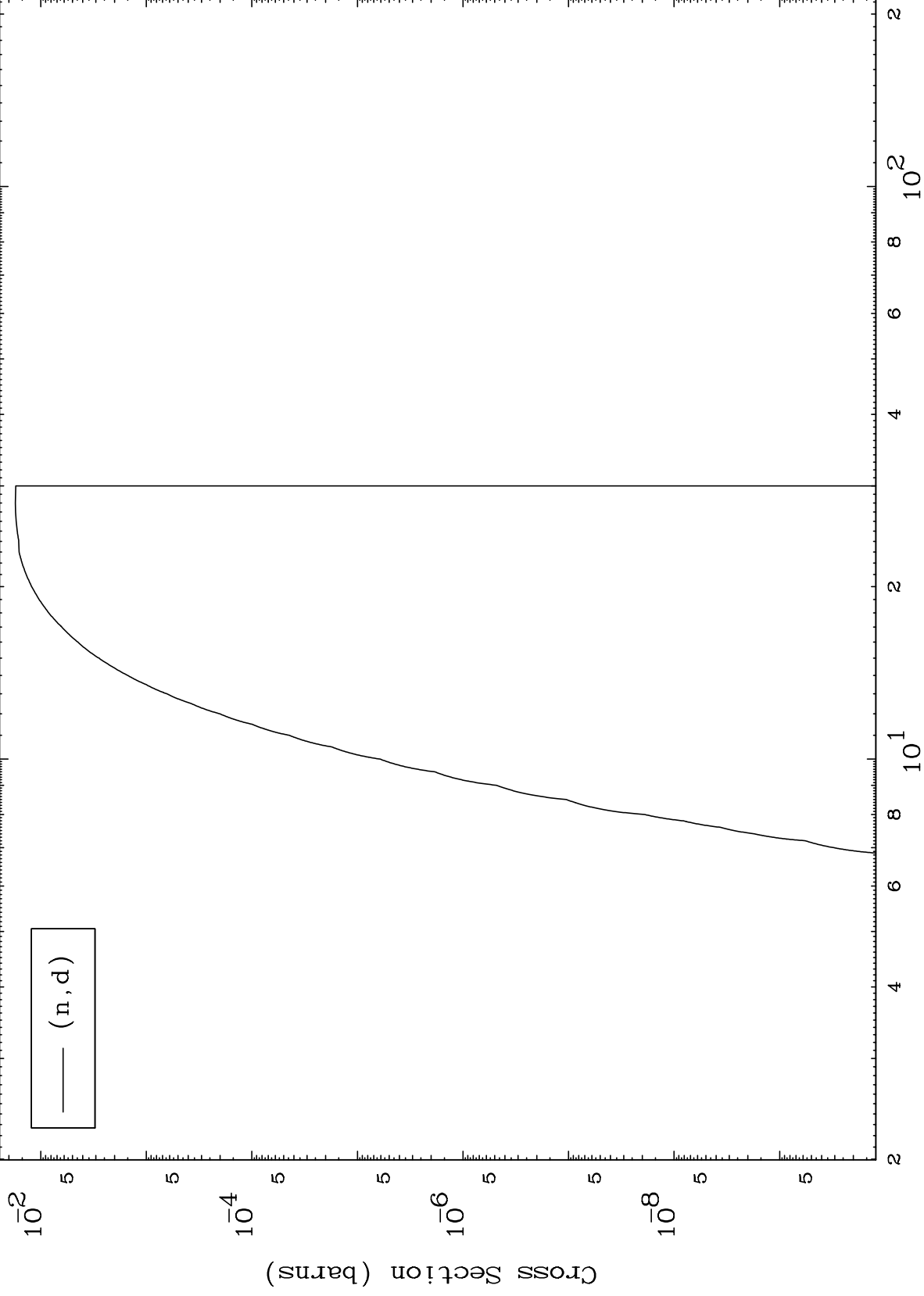
75-Re-182m



MAT 7517

(n,d) Levels
293 Kelvin Cross Sections

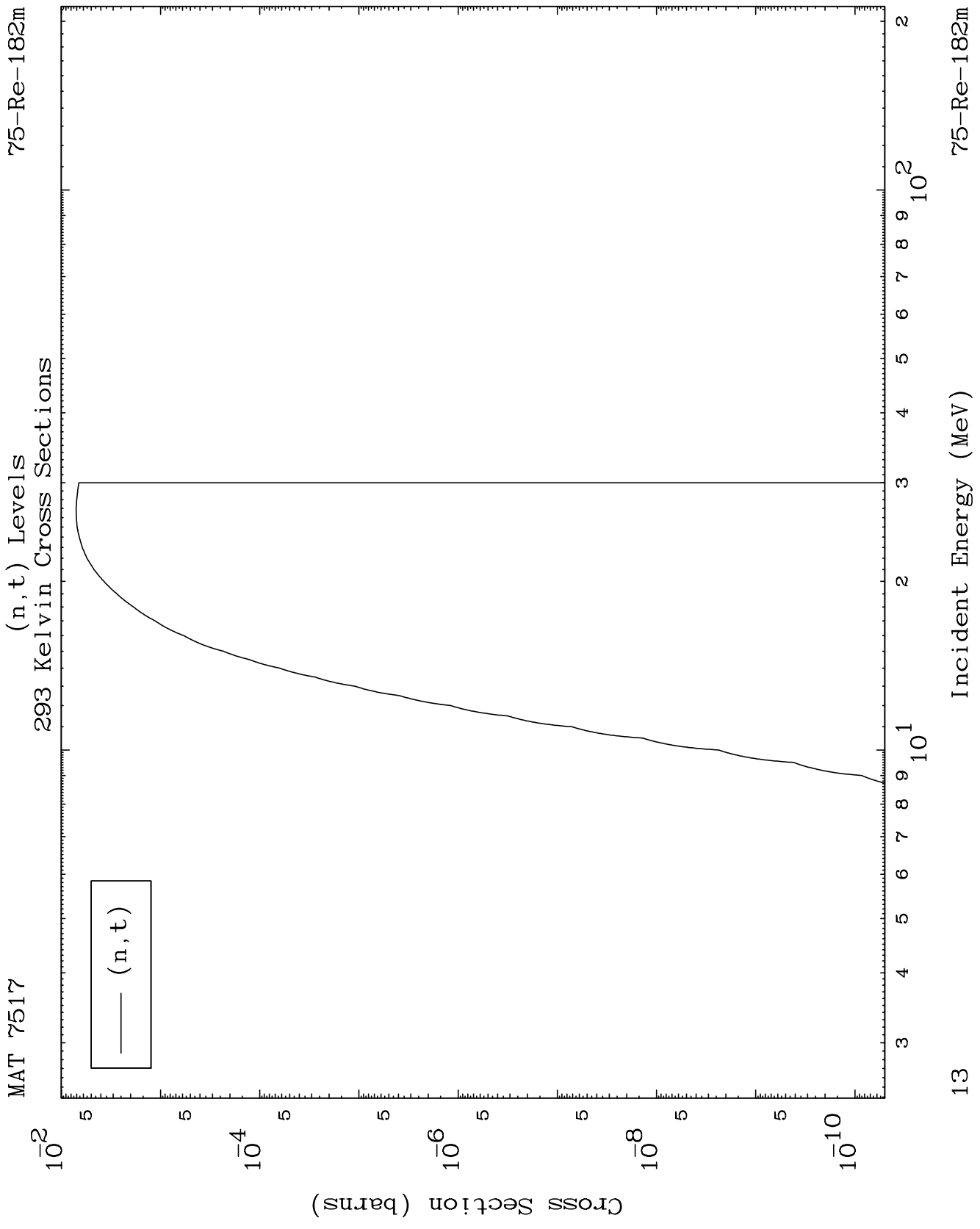
⁷⁵Re-182m



12

Incident Energy (MeV)

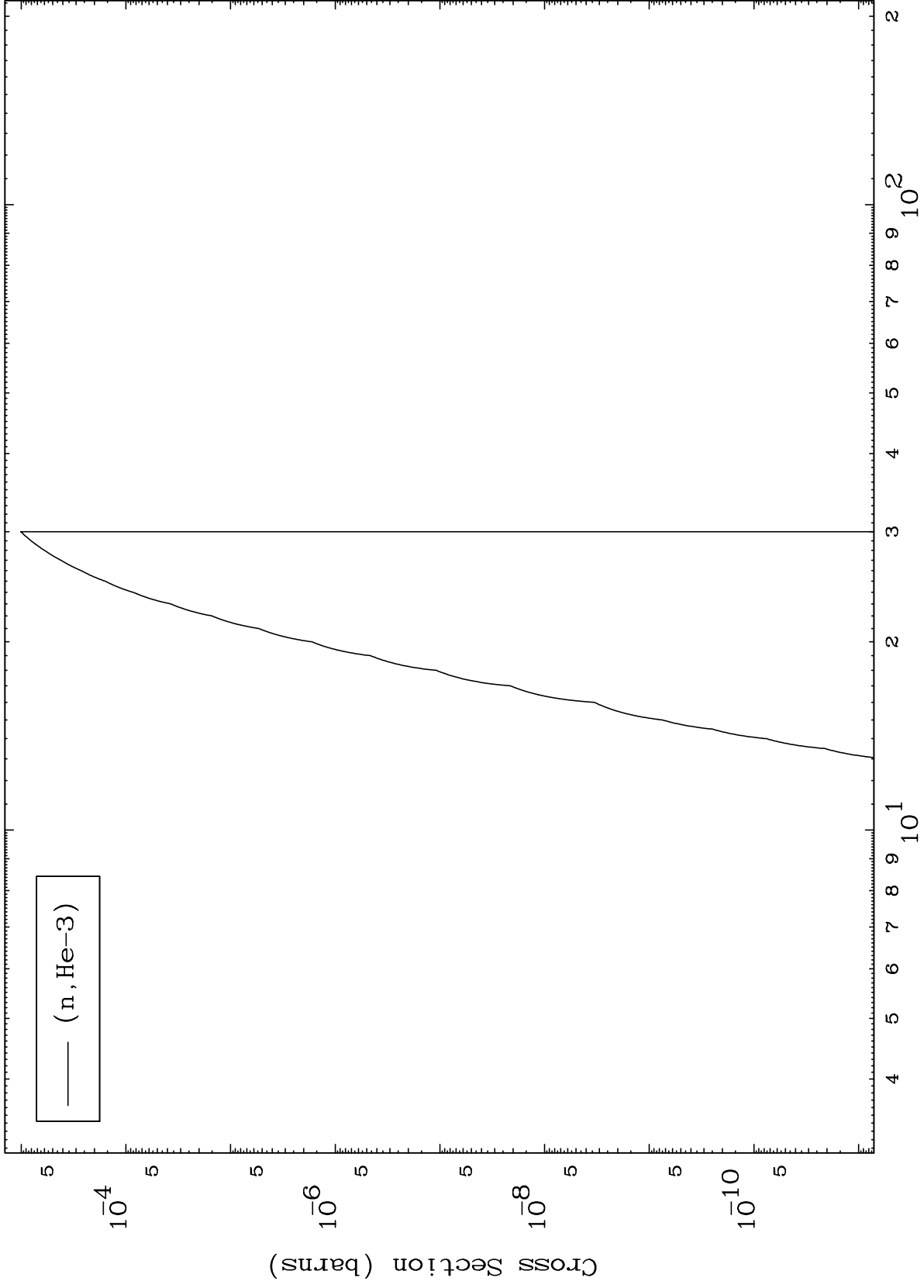
⁷⁵Re-182m



MAT 7517

(n,He3) Levels
293 Kelvin Cross Sections

75-Re-182m



14

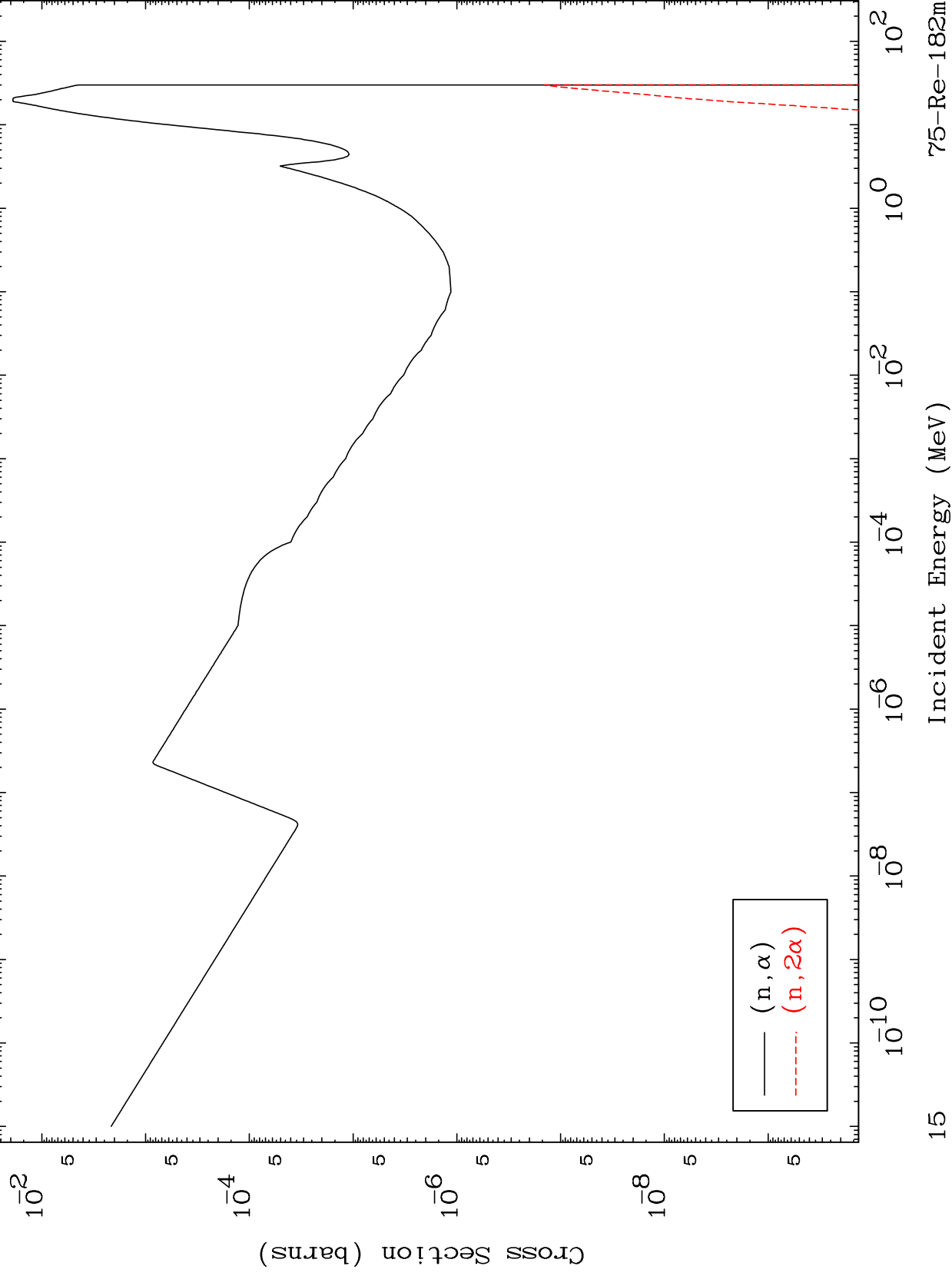
Incident Energy (MeV)

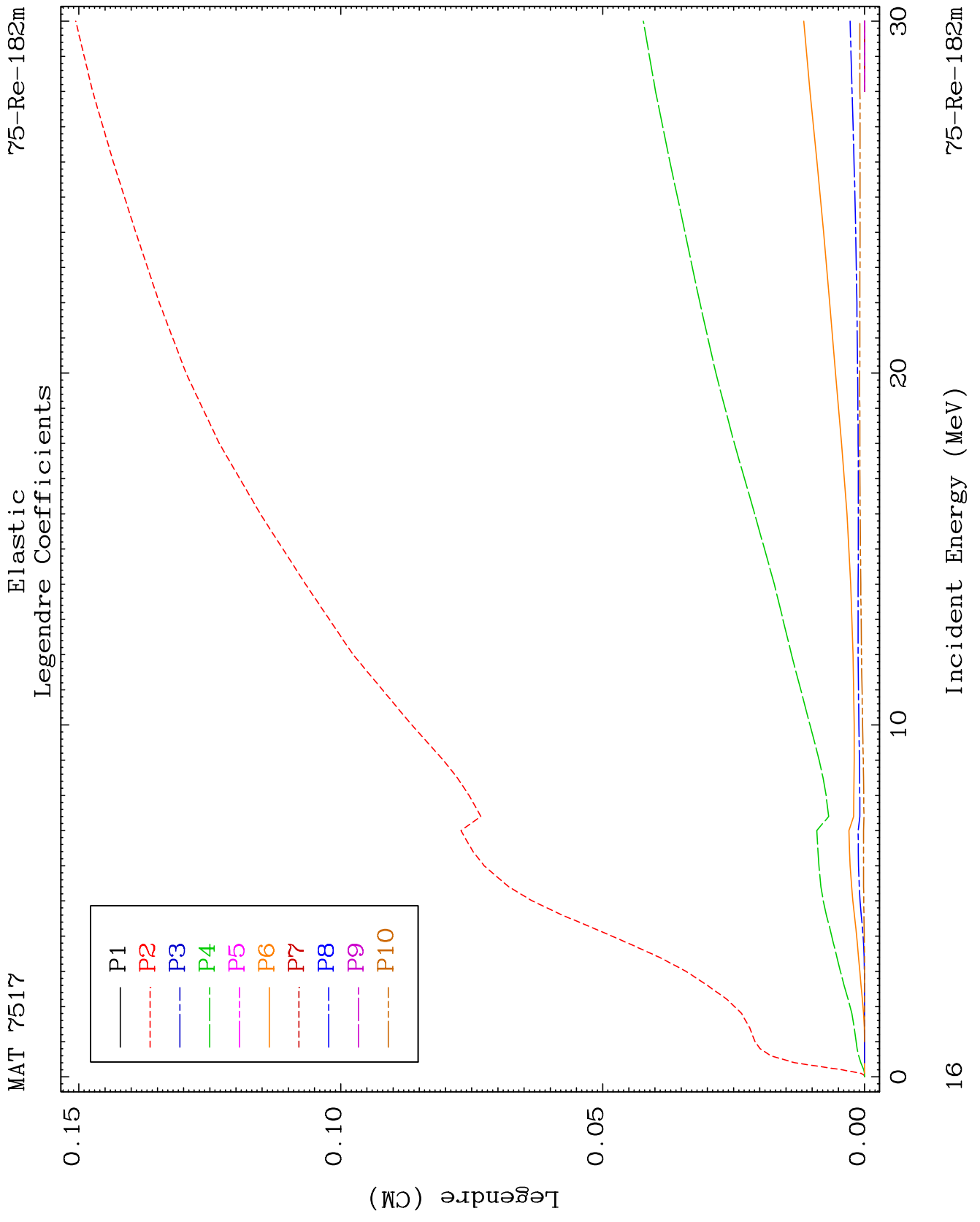
75-Re-182m

MAT 7517

(n, α) Levels
293 Kelvin Cross Sections

⁷⁵Re-182m

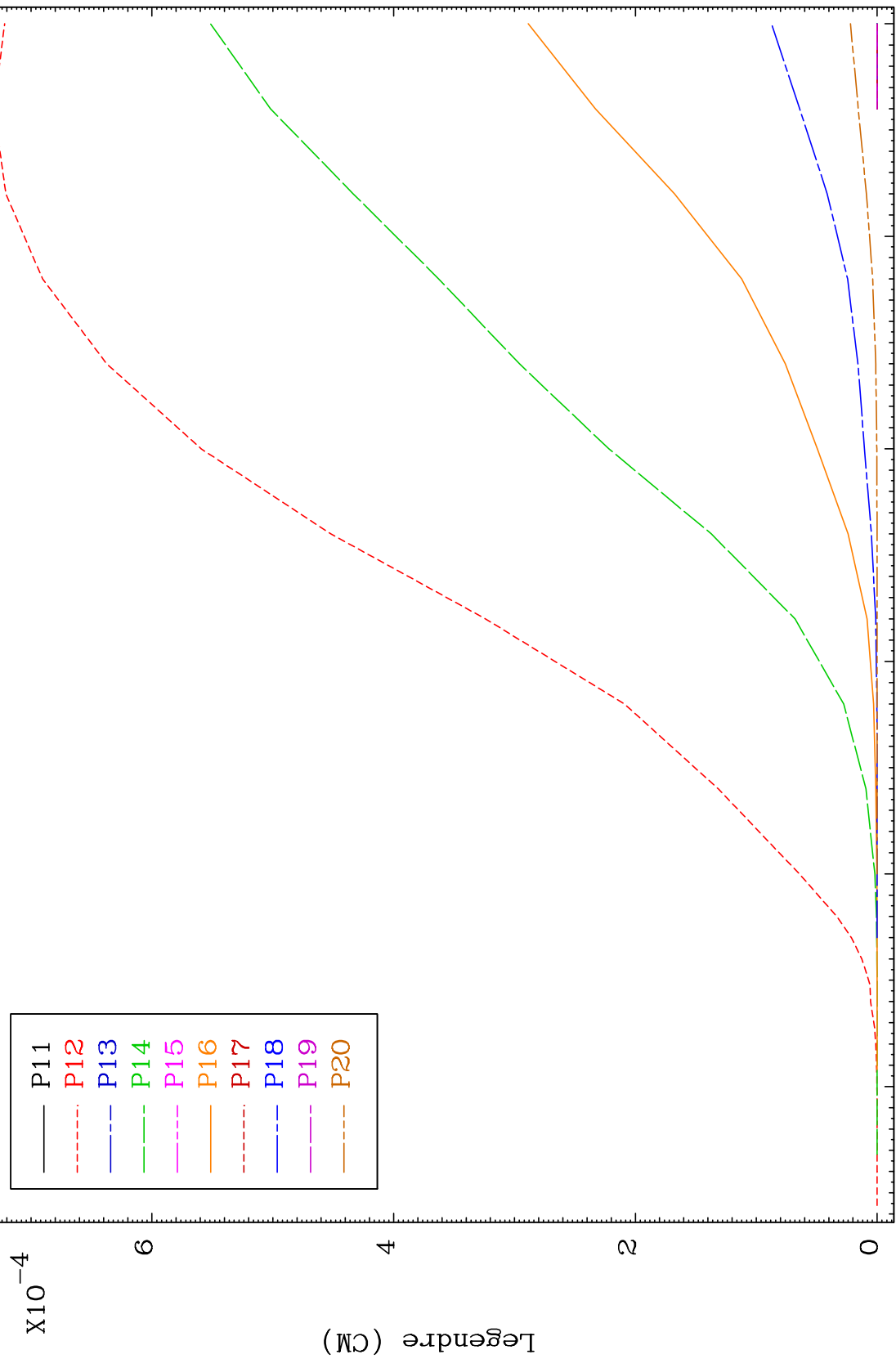
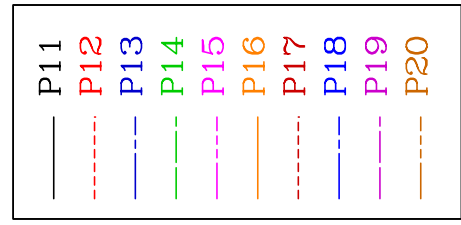




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Elastic Legendre Coefficients

75-Re-182m



17

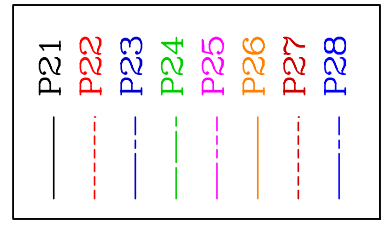
Incident Energy (MeV)

75-Re-182m

MAT 7517

Elastic
Legendre Coefficients

75-Re-182m



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

15

20

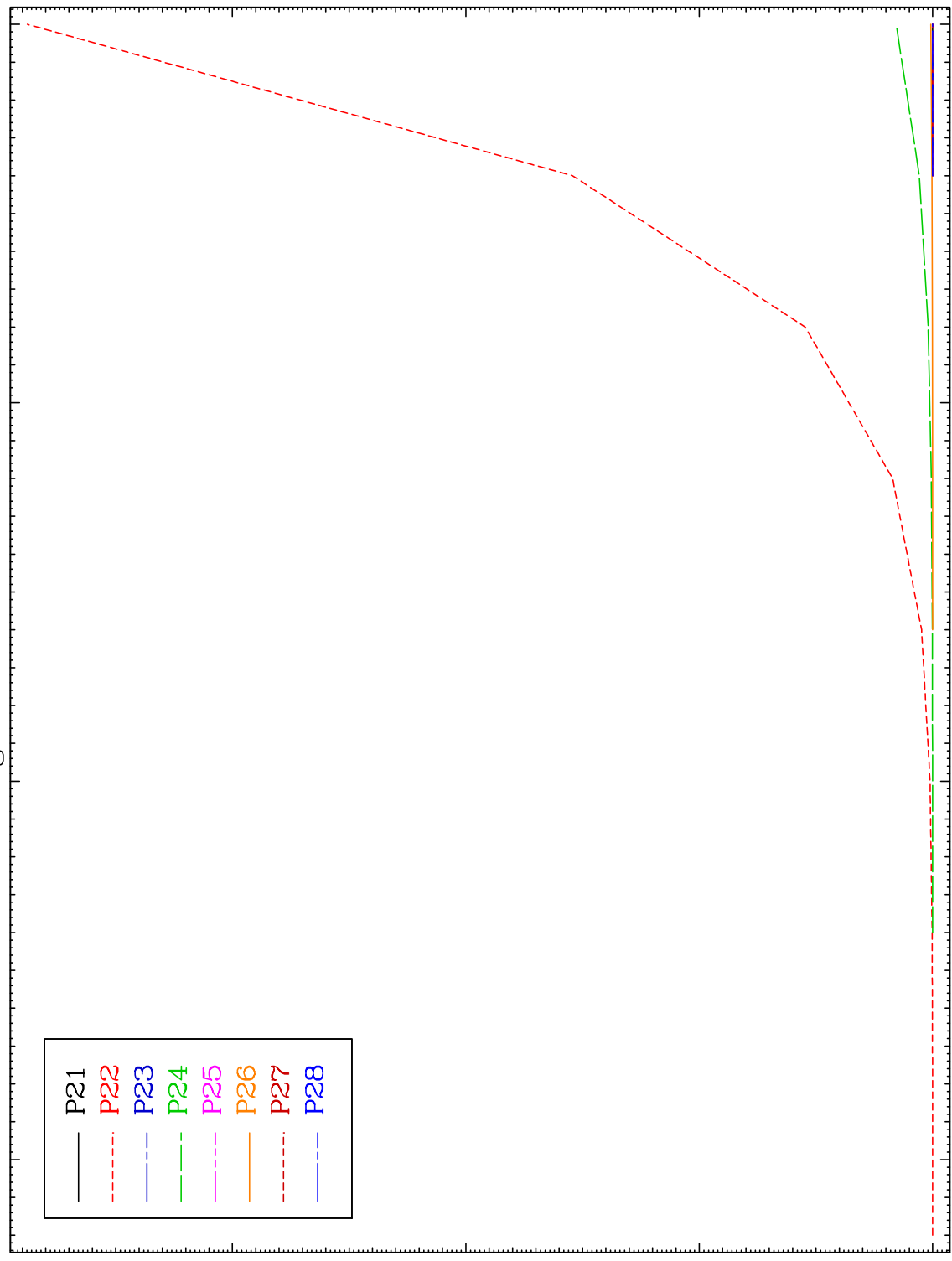
25

30

18

Incident Energy (MeV)

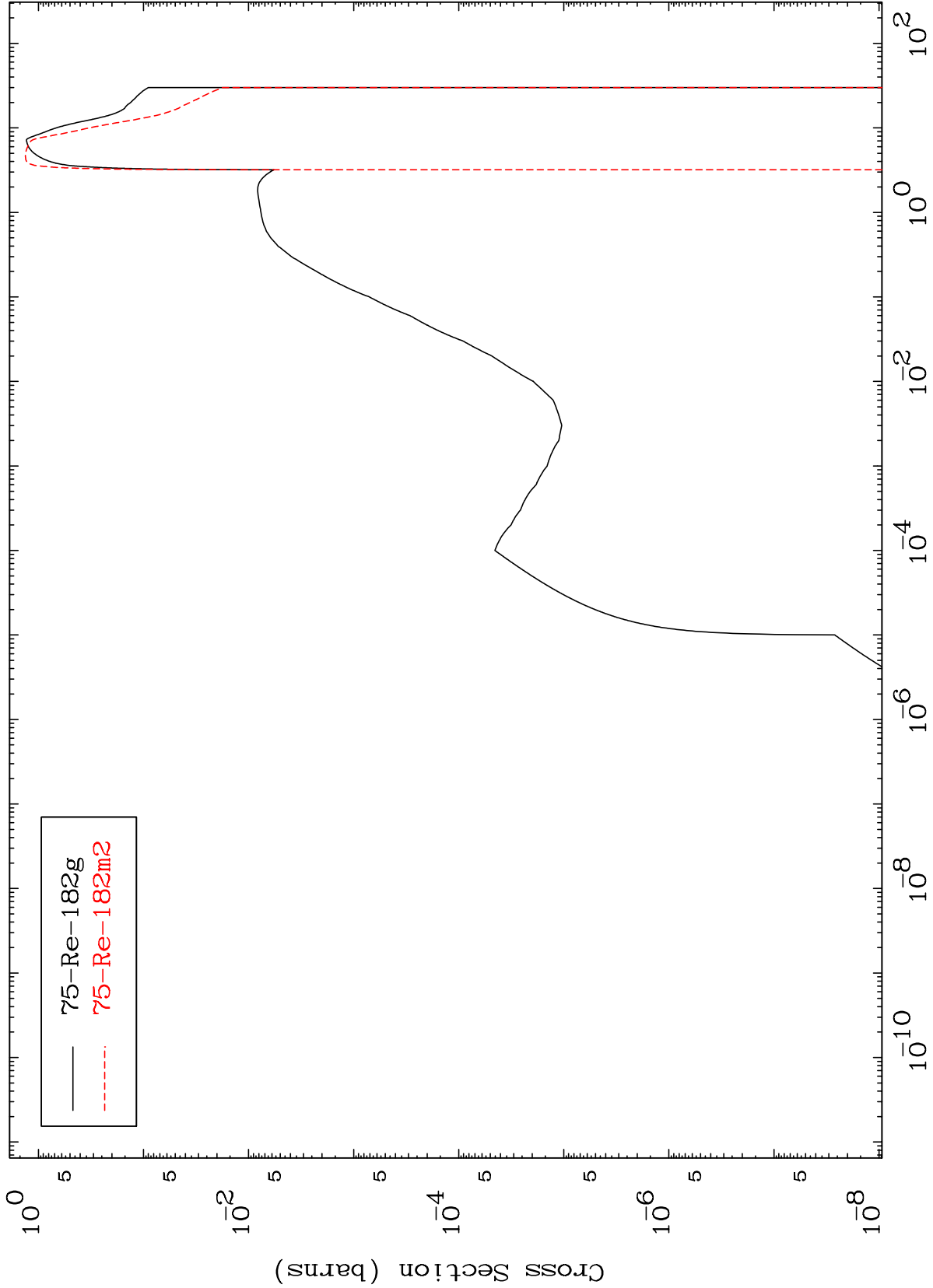
75-Re-182m



MAT 7517

Inelastic
Radionuclide Production Cross Section

75-Re-182m



75-Re-182g
75-Re-182m2

Incident Energy (MeV)

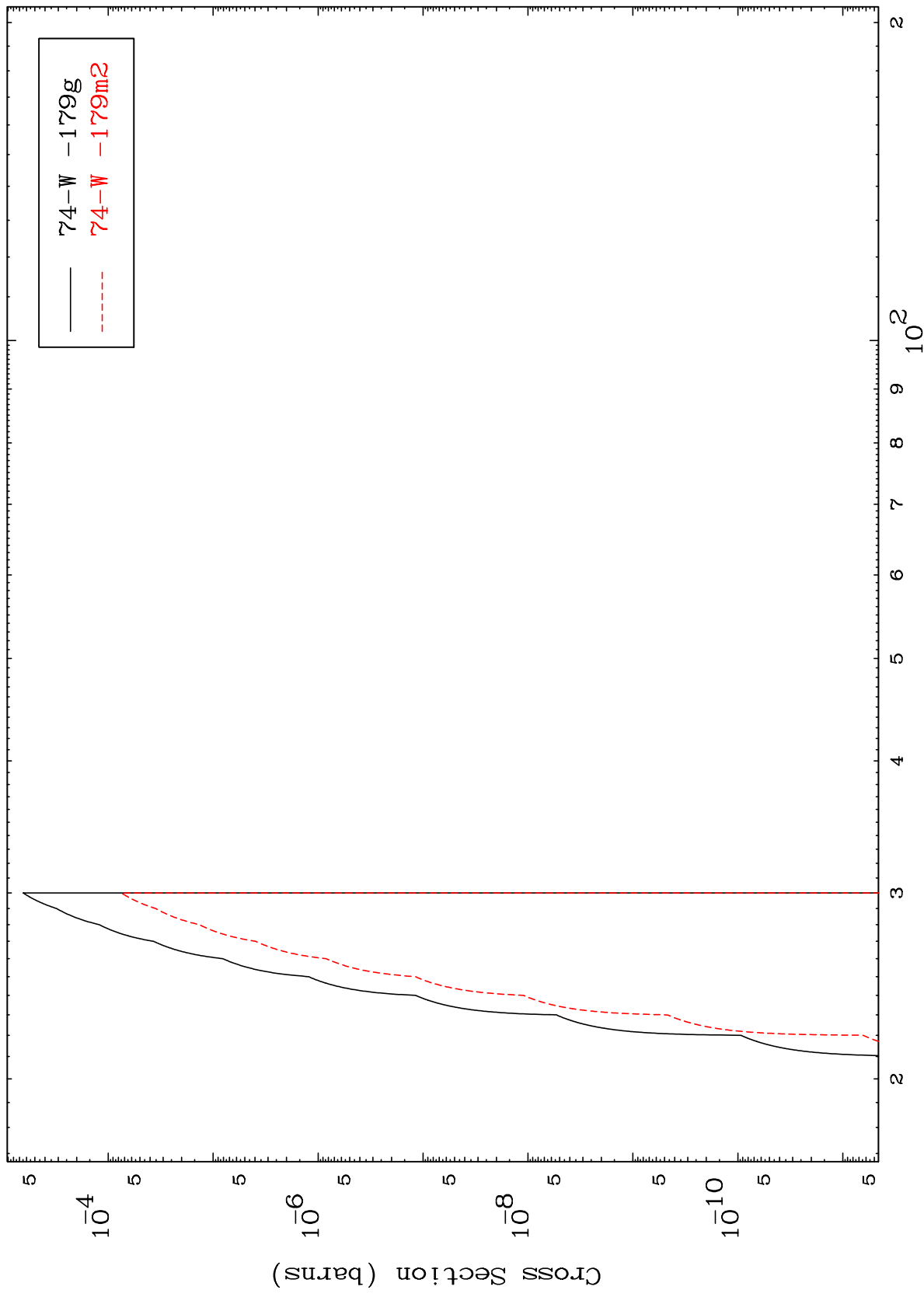
75-Re-182m

MAT 7517

(n,2n) d

75-Re-182m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

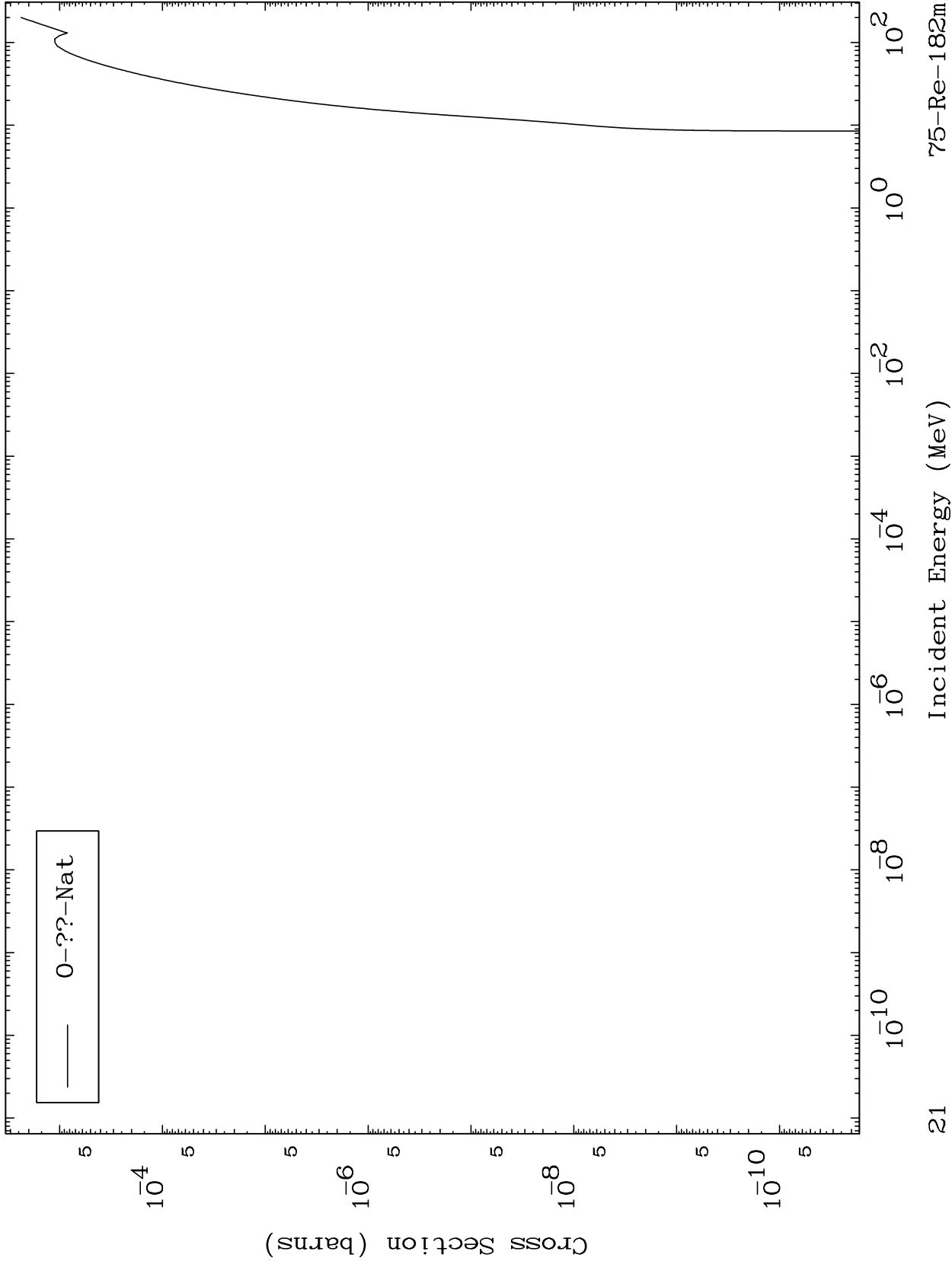
75-Re-182m

MAT 7517

Fission

⁷⁵Re-182m

Radionuclide Production Cross Section

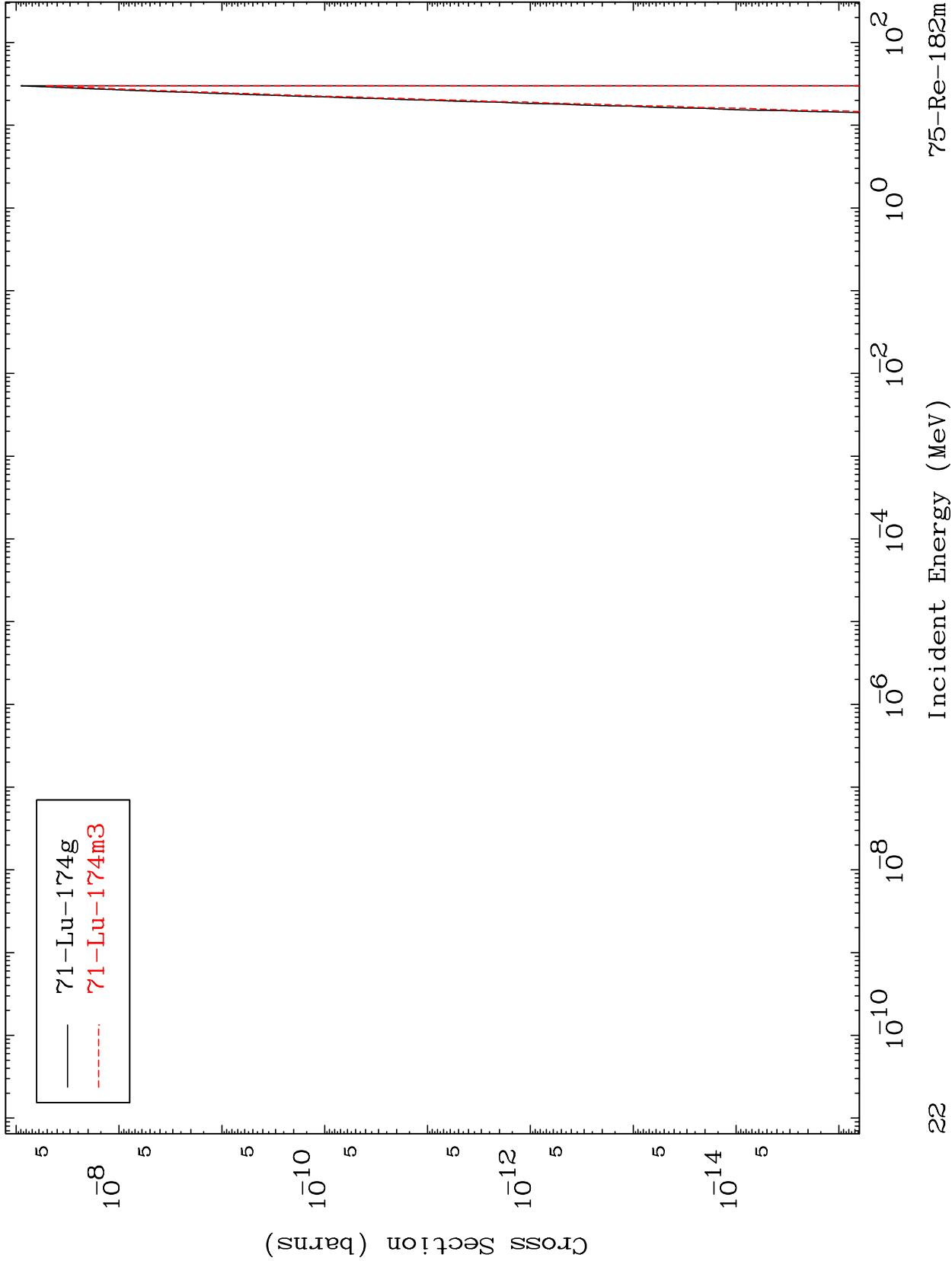


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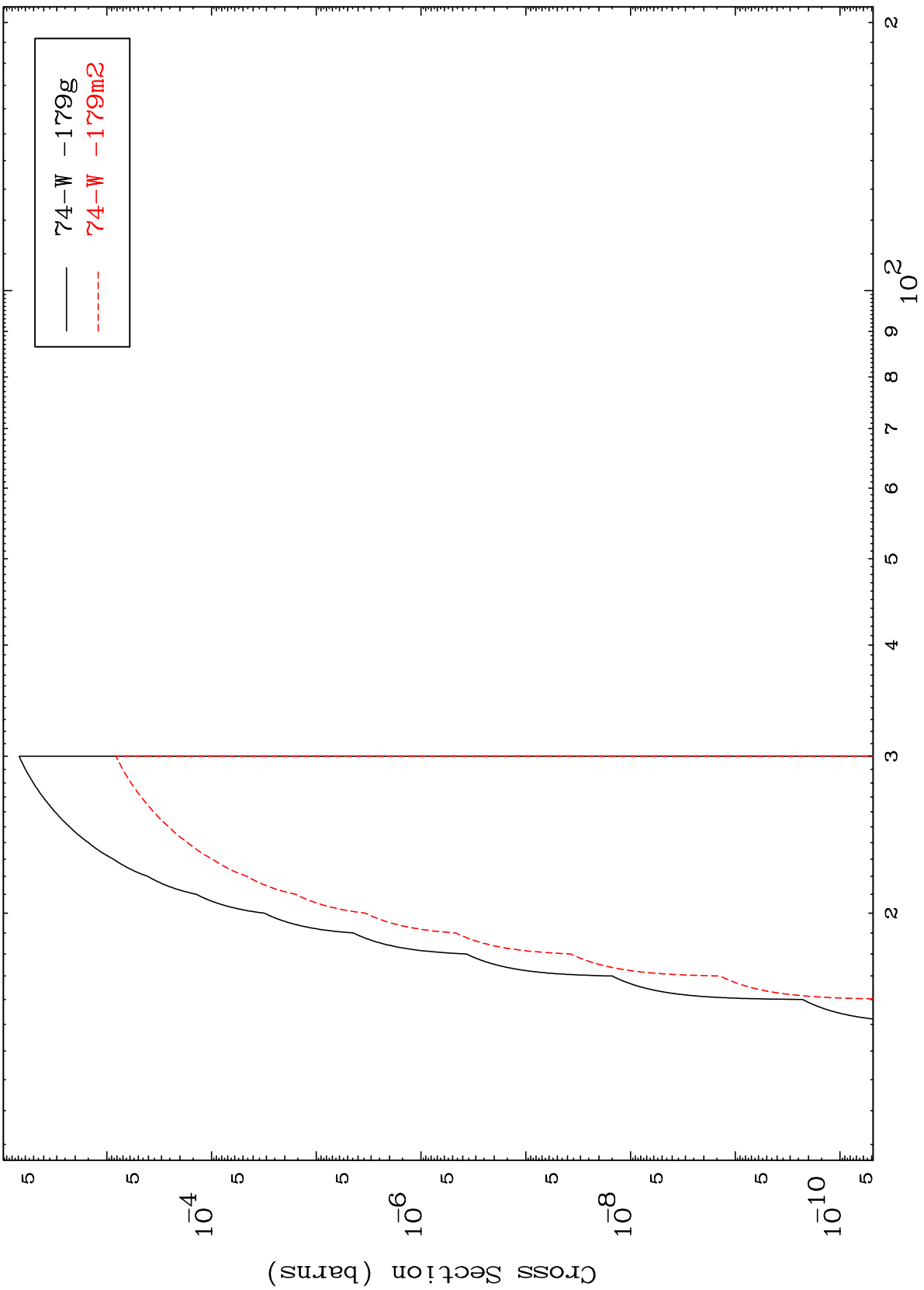
(n,n') 2α

75-Re-182m

Radionuclide Production Cross Section



Radionuclide Production Cross Section

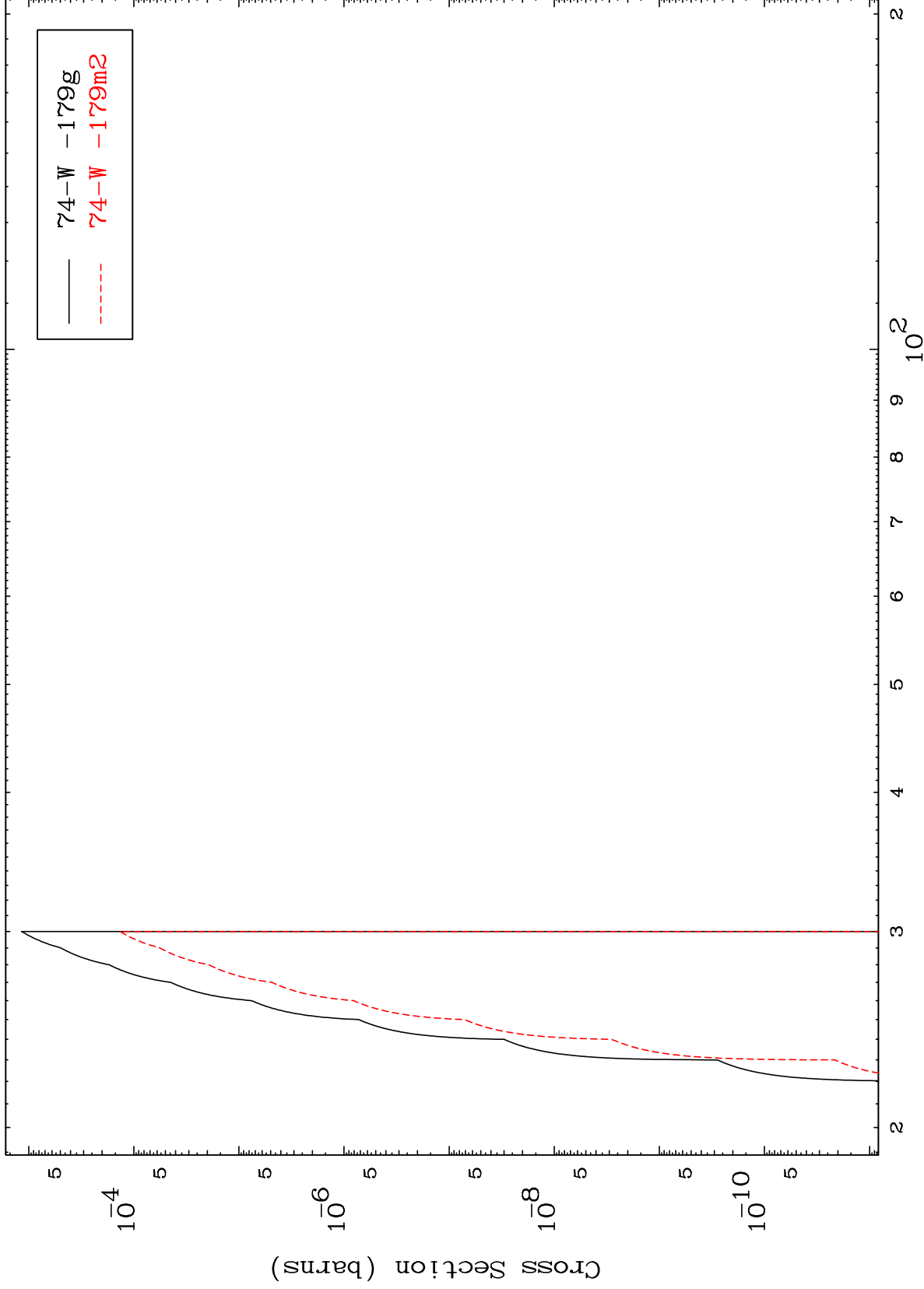


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(n,3n) p

75-Re-182m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

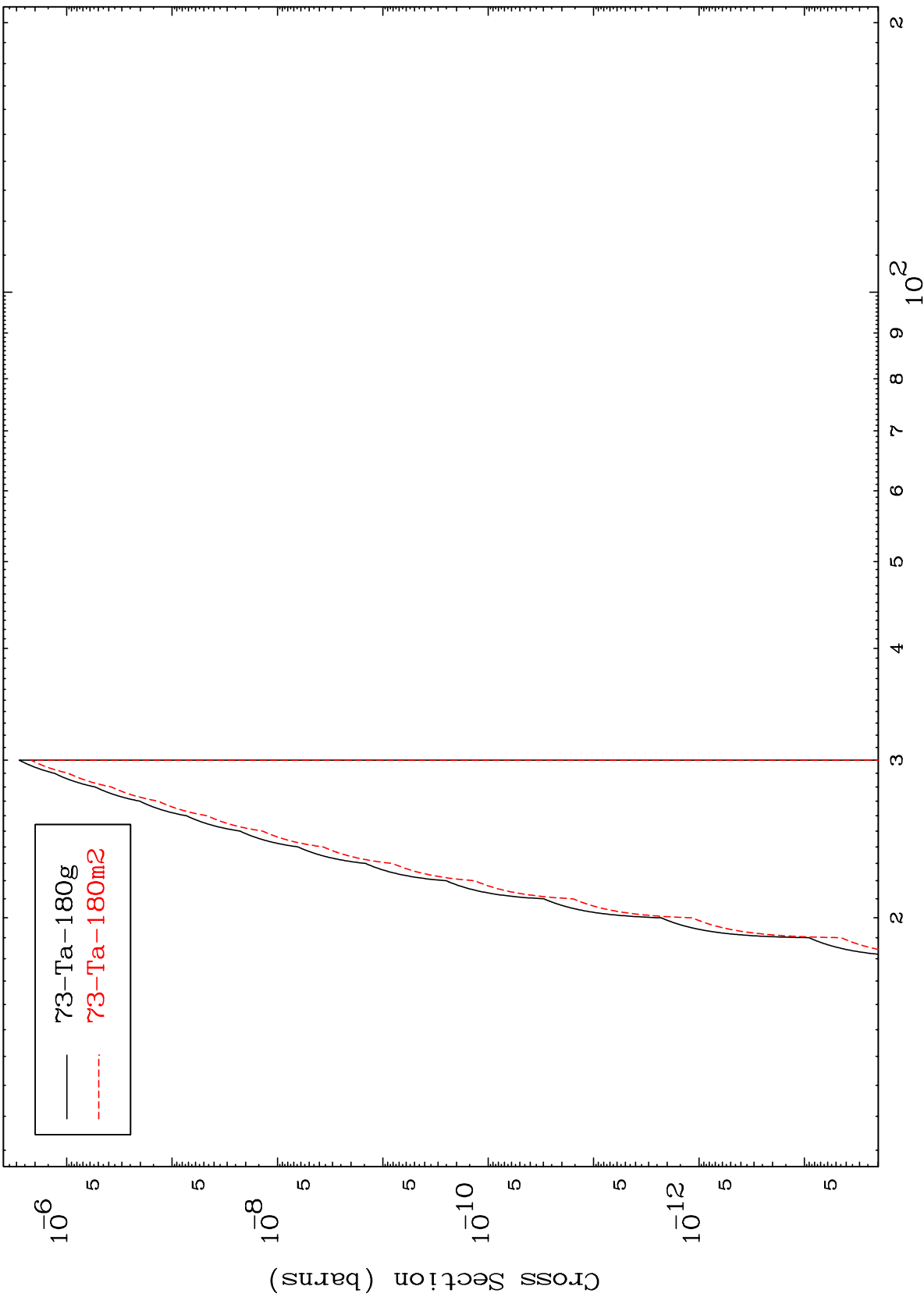
75-Re-182m

MAT 7517

(n,2n) p

75-Re-182m

Radionuclide Production Cross Section

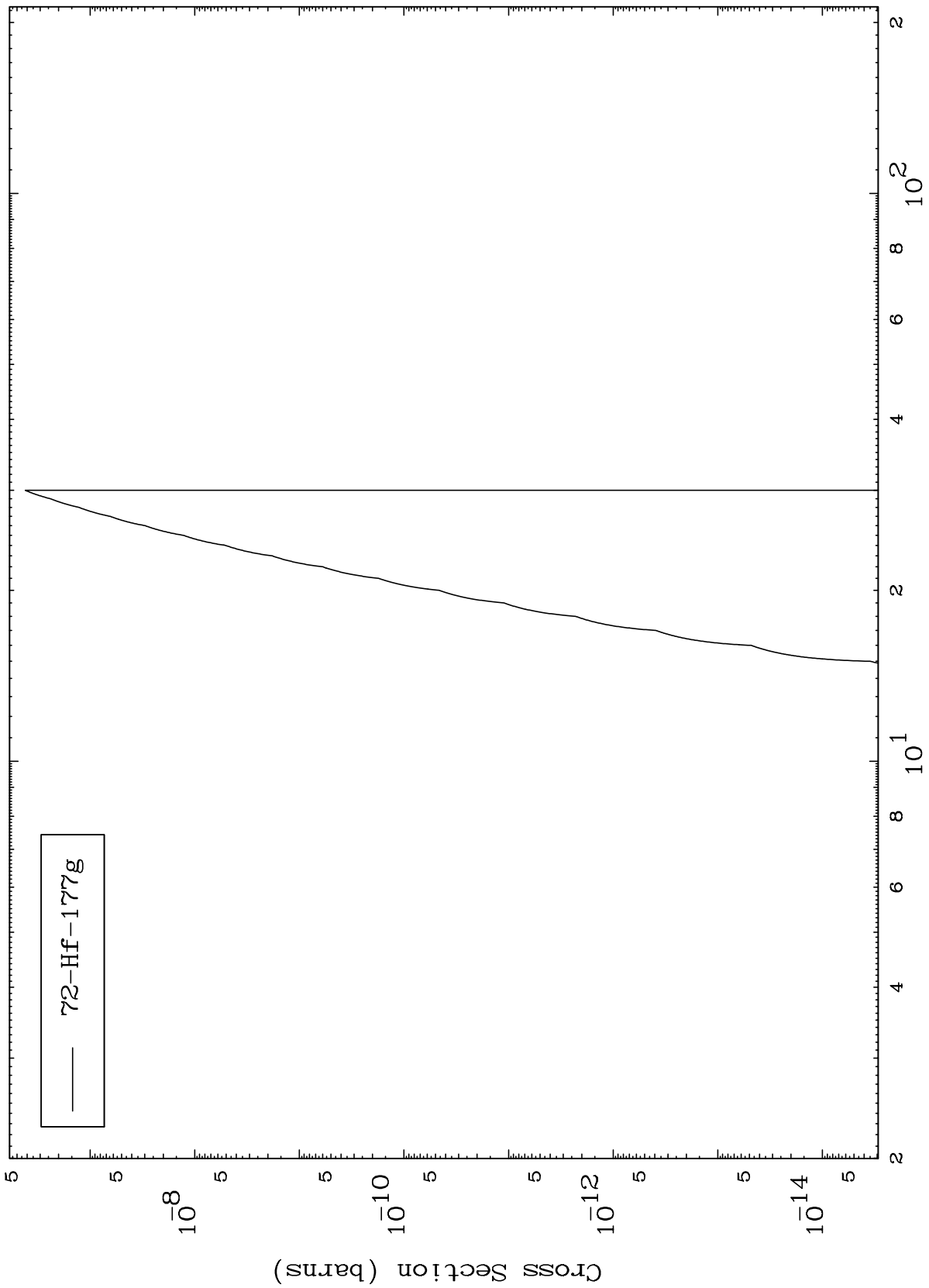


MAT 7517

(n,n') p α

75-Re-182m

Radionuclide Production Cross Section



72-Hf-177g

26

Incident Energy (MeV)

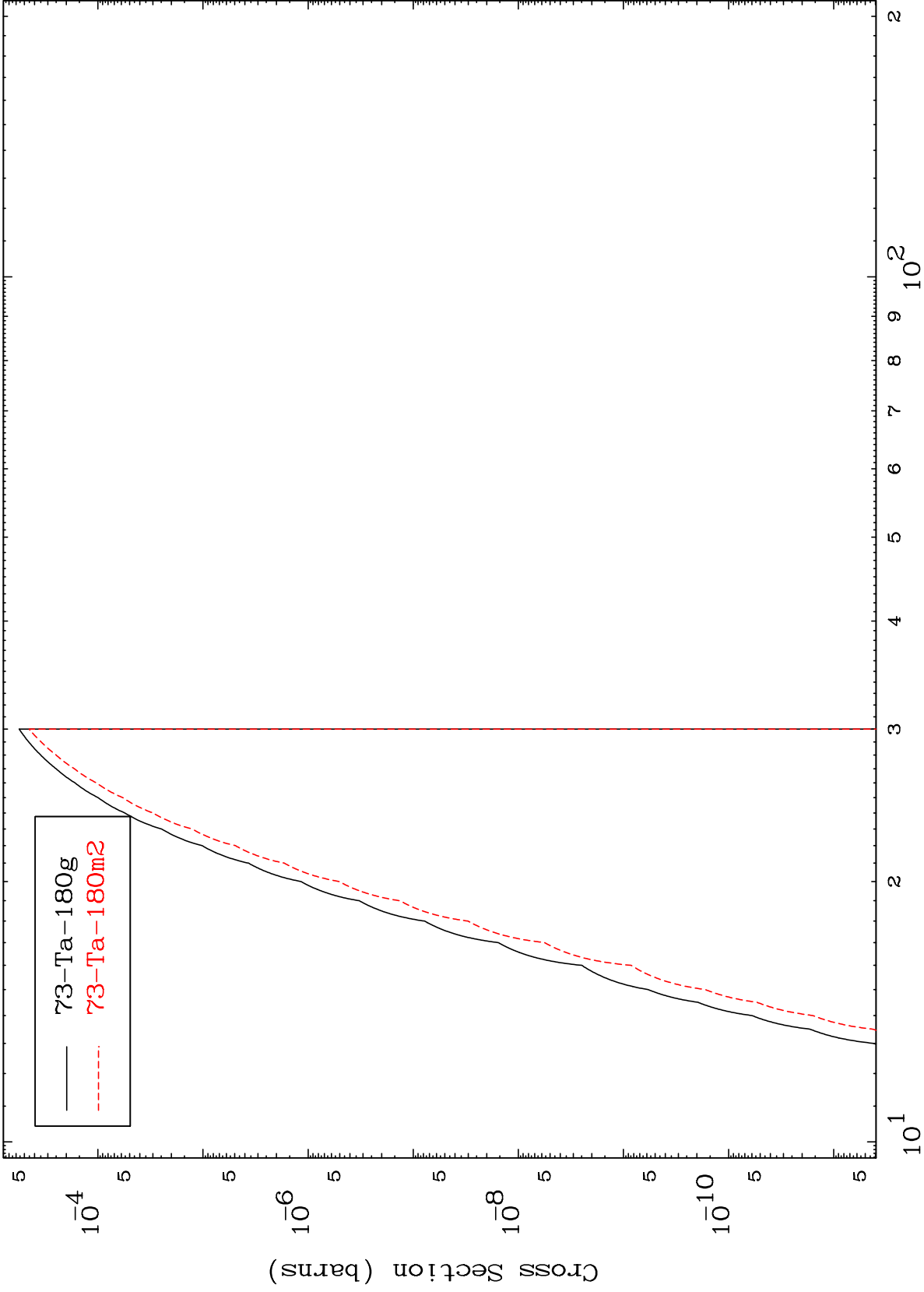
75-Re-182m

MAT 7517

(n,He-3)

75-Re-182m

Radionuclide Production Cross Section



Incident Energy (MeV)

75-Re-182m

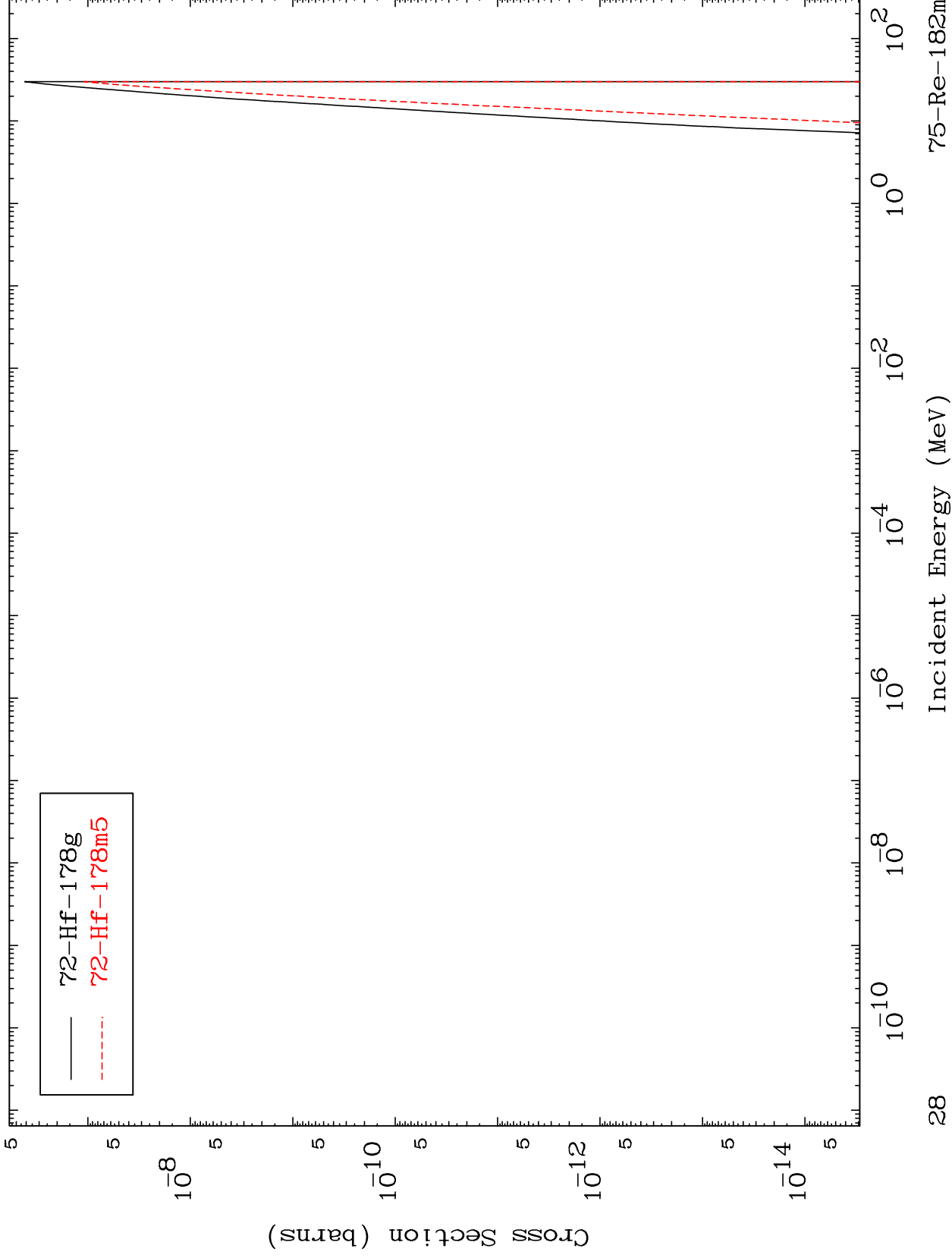
27

MAT 7517

(n,p) α

⁷⁵Re-182m

Radionuclide Production Cross Section

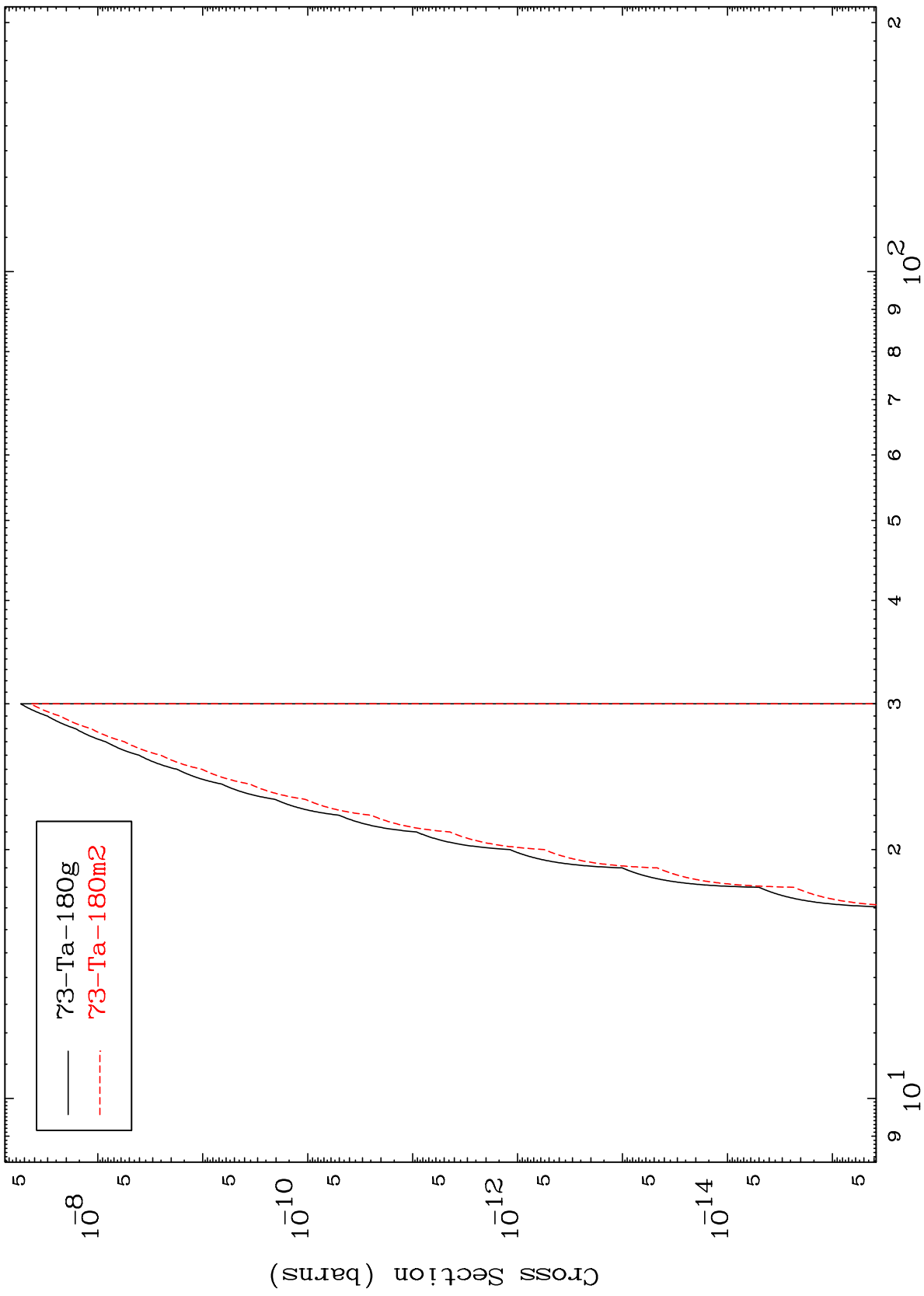


MAT 7517

(n,p) d

75-Re-182m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

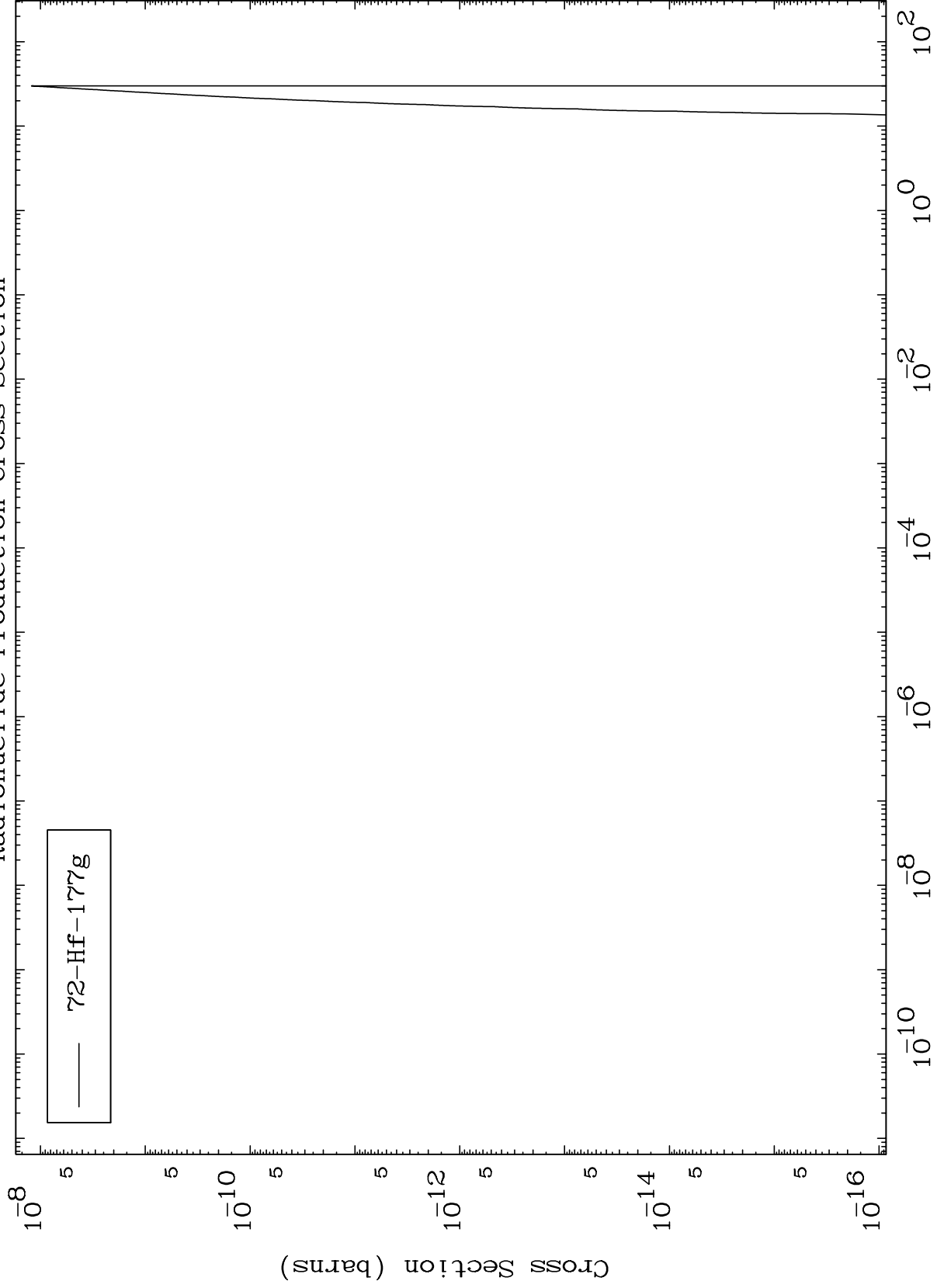
75-Re-182m

MAT 7517

(n,d) α

75-Re-182m

Radionuclide Production Cross Section



72-Hf-177g

Incident Energy (MeV)

75-Re-182m

30