**Nuclear Data Section**

**International Atomic Energy Agency**

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**Memo CP-D/1003**

**Date:** 5 November 2020

**To:** Distribution

**From:** N. Otsuka

**Subject: 4He(p,d)3He and 3He(d,p)4He articles missing in EXFOR**

We were informed by Pavel Goncharov that the following 4He(p,d)3He and 3He(d,p)4He cross sections are missing in EXFOR.

**4He(p,d)3He**

|  |  |  |  |
| --- | --- | --- | --- |
| **Authors** | **Reference** | **Centre** | **Entry#** |
| J.Benveniste+ | J,PR,89,422,1953 | NNDC |  |
| W.Selove+ | J,PR,112,1658,1958 | NNDC |  |
| D.J.Cairns+ | J,NP,60,369,1964 | NEA DB |  |
| S.A.Harbison+ | J,NP/A,130,513,1969 | NEA DB |  |
| S.N.Bunker+ | J,NP/A,133,537,1969 | NNDC |  |
| J.G.Rogers+ | J,NP/A,136,433,1969 | NNDC |  |
| M.Bernas+ | J,NP/A,156,289,1970 | NEA DB |  |
| S.A.Harbison+ | J,NP/A,152,503,1970 | NEA DB |  |
| J.E.Nicholls+ | J,NP/A,181,329,1972 | NEA DB |  |
| T.Bauer+ | J,PL/B,67,265,1977 | NEA DB |  |

**3He(d,p)4He**

|  |  |  |  |
| --- | --- | --- | --- |
| **Authors** | **Reference** | **Centre** | **Entry#** |
| D.L.Booth+ | J,PPS/A,70,63,1957 | NEA DB | O2483 |
| M.Bernas+ | J,APH,14,213,1968 | NEA DB |  |
| M.R.Dwarakanath | T,DWARAKANATH,1969 | CNPD | A1066 |
| T.Sakai+ | P,UTTAC-50,38,1985P,UTTAC-56,40,1989(Data table in his thesis) | JCPRG |  |
| D.J.Abbott+ | P,TUNL-28,104,1989 | NNDC |  |
| M.Bittcher+ | J,FBS,9,165,1990 | NEA DB | O2484 |

For D.J.Abott+ 1989, the 3He(d,p)4He analysing powers in the same energy range are published in D.J.Abbott+,J,NIM/A,284,409,1989.

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