

**Completeness checking for articles published in PRM and IPA**

(Vidya, N. Otsuka, 2016-07-15, Memo CP-D/910)

In April 2014, NDPCI scanned Pramana (PRM) Vols. 2 to 5 and Indian J. Pure and Applied Phys. (IPA) Vol. 21 to 41, and created two new entries (D6216 and D6217) accordingly. As continuation, NDPCI scanned PRM Vol. 1 and 6 to 63, and IPA Vol. 1 to 20. A list of articles for creation or revision of EXFOR entries by NDPCI and NNDC is appended to the this memo.

Two articles not in the list but for revision of existing entries:

- **S.Kailas+,J,PRM,7,6,1976** reports averaged cross sections, for which original experimental works are compiled in EXFOR D6017, D6059, D6085, D6095. NDPCI is going to add the 1976 article under REL-REF of these entries.
- **M.Ismail+,J,PRM,51,743,1998** reports “fusion cross sections”, which are sums of  $(\alpha,n)$ ,  $(\alpha,2n)$  and  $(\alpha,3n)$  cross sections in EXFOR F0068 and O1266. The 1998 article is for addition under REL-REF by CNPD and NEA DB.

***Addition to this working paper:***

1. Namely NDPCI has completed scanning of PRM Vol.1 (1973) to 63 (2004) and IPA Vol.1 (1963) -41 (2003).
2. The Ismail’s 1988 article has been already added under O1266 of REL-REF (TRANS.O058).

**Articles published in Pramana (PRM) Vol. 1 and 6 to 63, and Ind. J. Pure and Applied Phys. (IPA) Vol. 1 to 20 and missing in EXFOR**

<b>Article</b>	<b>1st author</b>	<b>Lab.</b>	<b>Proj.</b>	<b>Quant.</b>	<b>Source</b>	<b>EXFOR</b>	<b>Centre</b>	<b>Remark</b>
J,IPA,2,364,1964	M.K.Saxena	3INDTAT	cp	TTD	Table		NDPCI	Relative data
J,IPA,8,108,1970	M.K.Saxena	3INDTAT	cp	TTD	Curve		NDPCI	Relative data
J,IPA,10,200,1972	M.L.Srivastava	3INDTAT	cp	TTD	Curve		NDPCI	Relative data
J,IPA,10,567,1972	M.L.Srivastava	3INDTAT	cp	TTD	Curve		NDPCI	Relative data
J,PRM,12,653,1979	C.R.Ramaswamy	3INDTRM	cp	DA	Curve		NDPCI	
J,PRM,18,205,1982	S.C.L.Sharma	3INDITK	n	FY	Curve		NDPCI	
J,PRM,35,439,1990	S.Kailas	1USAWAU	cp	DAE	Curve		NNDC	
J,PRM,37,425,1991	G.R.Pansare	3INDPOO	n	CS	Table		NDPCI	Two data points in 31412.
J,PRM,38,291,1992	M.Dasgupta	3INDTRM	hi	CS	Table	D6113	NDPCI	for revision. Delete D6141 (from same experimental work).
J,PRM,39,85,1992	R.K.Jain	3INDVEC	cp	CS	Table		NDPCI	
J,PRM,41,151,1993	R.K.Sheline	1USAFSU	cp	DAP	Table		NNDC	
J,PRM,45,519,1995	R.K.Jain	3INDVEC	cp	CS	Table		NDPCI	
J,PRM,49,515,1997	R.K.Jain	3INDBHU	n	CS	Table	31424	NDS	for revision (addition of ref.; same data in text)
J,PRM,53,513,1999	M.Dasgupta	3AULCBR	cp	CS	Curve	A0719	CNPD	for revision (addition of ref. only; part of compiled data in figs)
J,PRM,53,541,1999	T.Madhusoodhanan	3INDNSD	cp	DAA	Curve		NDPCI	
J,PRM,61,507,2003	B.S.Nara Singh	3INDTRM	hi	DAP	Curve		NDPCI	