

**MEMO CP-A/122**

*02 Apr 2002*

To: **Distribution**  
From: **F.E. Chukreev, S. Babykina**  
Subject: **Action A38 of Technical Meeting 2001**  
**Addition to Dictionary 24**

**Add to dictionary 24**

We suggest to input in Dic.24 new code-

**PART-OUT** (the number of emitted particles)

The development of experimental technique permits detects some particles simultaneously.

For example: In work of F.Goldenbaum et.al. "Heating of nuclei with energetic antiprotons", published in Phys. Rev. Letters, v.77, p.1230, 1996, the authors measured the reaction cross sections in dependent from the number of outgoing particles (all hydrogen and helium isotopes). If we can use N-OUT and P-OUT for neutrons and protons, another particles request more common decision.

Therefore, we propose PART-OUT as new independent variable (the quantity emitting particles. SIG/DN could be used as measurement unit (see C24 of Technical Meeting 2001). Of course, under PART-DET we must indicate measured particles, obligatory.

Another similar publication:

1. PR/C,63,034616,2001
2. EPJ/A,8,197,2000
3. PL/B,472,15,2000.

In future we will have many publication produced on "Berlin ball", where similar measurements are possible.

One example of EXFOR entry with PART-OUT is given in separate attachment.

**Distribution:**

OBLOZINSKY@BNL.GOV  
VML@BNL.GOV

NORDBORG@NEA.FR  
KELLETT@NEA.FR  
MANOKHIN@IPPE.RSSI.RU  
MAEV@IPPE.RSSI.RU  
FELIKS@POLYN.KIAE.SU  
CHUKREEV@POLYN.KIAE.SU  
DUNAEVA@EXPD.VNIIEF.RU  
VARLAMOV@depni.NPI.MSU.SU  
CHIBA@EARTH.SGU.AC.JP  
KATO@NUCL.SCI.HOKUDAI.AC.JP  
TENDOW@POSTMAN.RIKEN.GO.JP  
YXZHUANG@IRIS.CIAE.AC.CN  
TARKANYI@ATOMKI.HU  
TAKACS-S@ATOMKI.HU  
HASEGAWA@CRACKER.TOKAI.JAERI.GO.JP  
VLASOV@KINR.KIEV.UA  
KALTCHENKO@KINR.KIEV.UA  
OGRITZAY@KINR.KIEV.UA