

- *k_gettime* to get time in sec as explained in man (3) time.

```
i = k_gettime(dummy)
```

where

```
integer i          ! output.  time value
integer dummy     ! input.   not used.
```

- *k_getnow* to get character string representation of date up to second.

```
i = k_getnow(yymmdd)
```

where

```
integer i ! output.  12 which is the length of yymmdd
character*n yymmdd output.  n >= 12.  YYMMDDHHMMSS.
```

- *k_getpid* to get the unix process number of the currently running program.

```
i = k_getpid(dummy)
```

where

```
integer i ! output.  obtained process number.
integer dummy ! input.  not used.
```

- *c_getfname* to convert file name as explained earlier (@, #, andor

```
call c_getfname(fin, fout)
```

where

```
character*n fin ! input file name which may has \verb/@# or %/
character*m fout ! outupt file name with \verb/@# or %/ replaced.
```

3 Random number seed

If both of InitRN(1) and InitRN(2) are positive, they are used as the seed for all the random numbers in the run. This is the same as in the all versions. Also as in earlier versions, if InitRN(2) is < 0, the random number seed is generated in Cosmos. However, the the method is modified; |InitRN(2)|, unix process number, timer value and host name are used for the generation. If InitRN(1) < 0, the treatment is the same as the earlier versions. That is, the seed of each event is obtained by reading a file opened by the user with fortran logical file number 14. The file should contain 2 seeds in each line.