

Document1 - Word Sign in

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Run:	BeamEnergy:	Ep:	Etheta:	Pp:	Ptheta
47339	5246.4,	4494.2,	12.0,	1182.5,	55.286
47345,	5246.4,	4494.2,	14.0,	1400.254,	51.015
47347,	5246.4,	3724.4,	19.985,	2055.825,	40.73
47350,	5246.4,	3724.4,	22.00,	2270.034,	37.971
47353,	5246.4,	3724.4,	23.78,	2453.851,	35.774

```
47353_Pion.inp - Notepad
File Edit Format View Help
; This is a CTP file

; 'TF' stands for 'this field'
; ONE equals TRUE unless specified otherwise

begin parm experiment
  ngen = 100000           ; POS: # of successes; NEG: # of tries
  EXPER%charge = 1.0     ; total charge (mC)
  doing_phsp = 0         ; (ONE = TRUE) - If all of the doing_* are
  doing_kaon = 0        ; (ONE = TRUE) false, then doing (e,e'p).
  doing_pion = 1        ; (ONE = TRUE)
  doing_decay = 0       ; 1=decay ON, 0=decay OFF.
  ctau = 780.4          ; decay length (cm)
end parm experiment

begin parm kinematics_main
  Ebeam = 5246.4         ; (MeV)
  dEbeam = 0.05         ; beam energy variation (%)
  electron_arm = 1      ; 1=hms,2=sos,3=hrsr,4=hrs1
  hadron_arm = 2        ; 1=hms,2=sos,3=hrsr,4=hrs1
  spec%e%P = 3724.4     ; e arm central momentum (MeV/c)
  spec%e%theta = 23.78 ; e arm angle setting (degrees)
  spec%p%P = 2453.851   ; p arm central momentum (MeV/c)
  spec%p%theta = 35.774 ; p arm angle setting (degrees)
end parm kinematics_main

begin parm target
  targ%A = 1.0          ; target A
  targ%Z = 1.0          ; target Z
  targ%mass_amu = 1.007276 ; target mass in amu
  targ%rrec_amu = 0.    ; recoil mass in amu (eep=A-1 system,pion=A)
  targ%rho = 0.0723    ; target density (g/cm^3)
  targ%thick = 283.71  ; target thick (mg/cm^2)
  targ%angle = 0.      ; target angle (for solid target) (degrees)
```

Future Goals

- To continue reading
- Gain more knowledge in SimC and Root