+ ess_nu_4Horns.flair - flair

Flair | Input | Geometry | Run | Plot | Compile

Cut | Copy | Paste | New | Load | Save | Export | Import | Preprocessor | Material | Add | Change | Delete | Clone | Show | Comment | State | Refresh | Move Up | Move Down | *all* | Search | Filter | Viewer | Editor | Print | View

Transport Node

Input

- Input
  - General
  - Primary
  - Geometry
  - Media
  - Physics
  - Transport
  - Biasing
  - Scoring
  - Flair
  - Preprocessor

-------- TITLE ... ASSIGNMA : 378 cards hidden - ----

3456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789

EMF		ON		
MGNFIELD	Max Ang (deg): 30		Bound Acc. (cm):	Min step (cm):
	Bx:		By:	Bz:
STEPSIZE	Min (cm): 0.01		Max (cm): 10	
	Reg: R22TarLR		to Reg:	Step:
STEPSIZE	Min (cm): 0.01		Max (cm): 10	
	Reg: R25HoVLR		to Reg:	Step:
STEPSIZE	Min (cm): 0.01		Max (cm): 10	
	Reg: R26TarUR		to Reg:	Step:
STEPSIZE	Min (cm): 0.01		Max (cm): 10	
	Reg: R29HoVUR		to Reg:	Step:
STEPSIZE	Min (cm): 0.01		Max (cm): 10	
	Reg: R30TarUL		to Reg:	Step:
STEPSIZE	Min (cm): 0.01		Max (cm): 10	
	Reg: R33HoVUL		to Reg:	Step:
STEPSIZE	Min (cm): 0.01		Max (cm): 10	
	Reg: R34TarLL		to Reg:	Step:
STEPSIZE	Min (cm): 0.01		Max (cm): 10	
	Reg: R37HoVLL		to Reg:	Step:

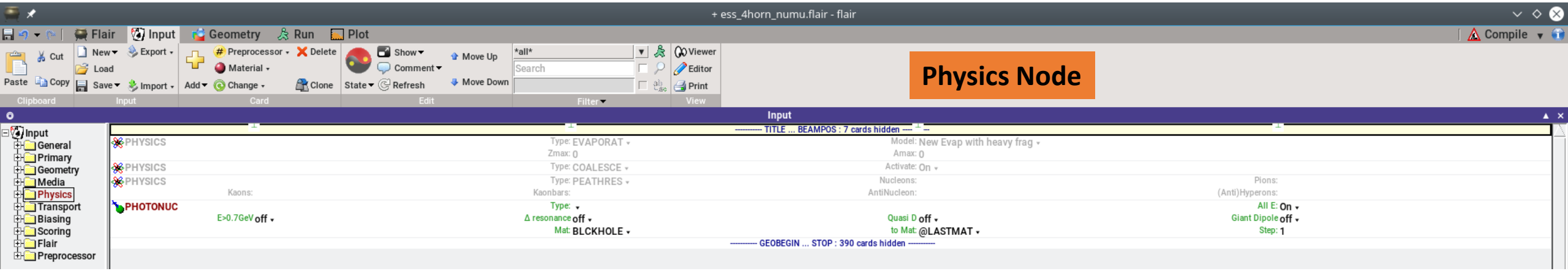
--------- SCORE ... STOP : 9 cards hidden ---------

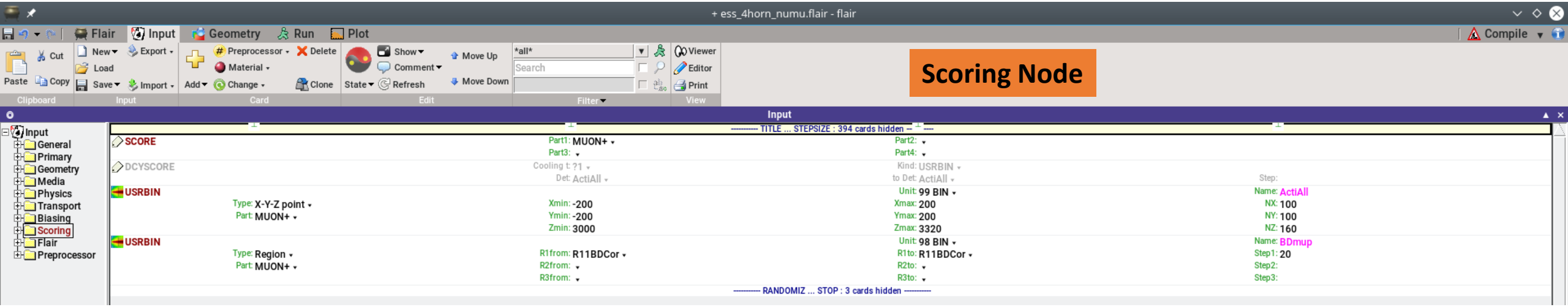
Primary, Geometry, Media, Transport and Baising (empty) nodes are same for the both scoring ways (USRBIN and USRMED.F)!

Inp: ess_nu_4horn_CoreBlock_ll.inp + | Active:1-378 Displayed:10 Total:397

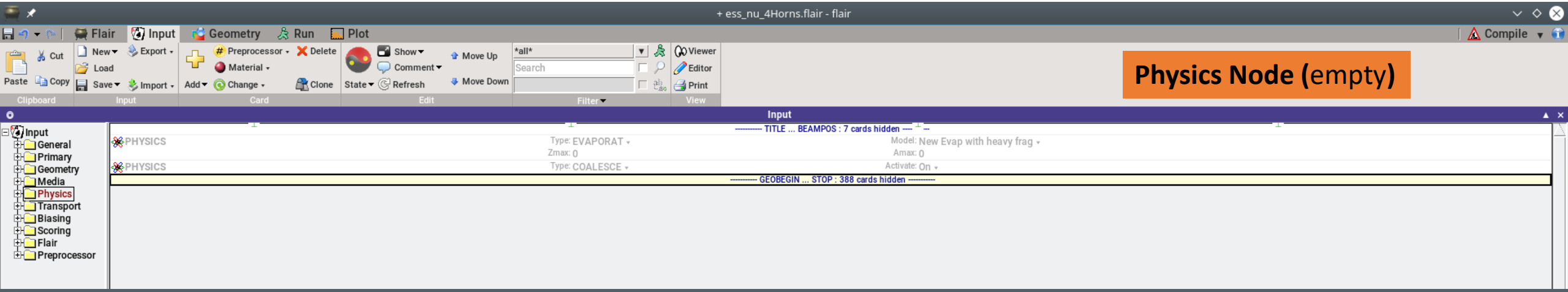
emacs@linux-2bj6 | flair | Screenshot_20200902_103929.pn... | Konsole | 3:54 PM

Scoring μ^+ with USRBIN

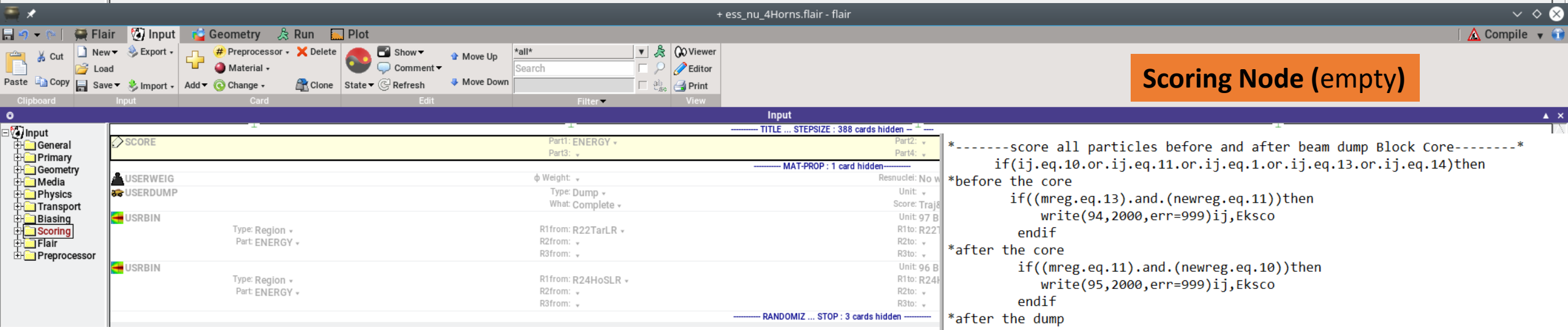




Scoring μ^+ with USRMED.F



Physics Node (empty)



Scoring Node (empty)

```
*-------score all particles before and after beam dump Block Core---------*
      if(ij.eq.10.or.ij.eq.11.or.ij.eq.1.or.ij.eq.13.or.ij.eq.14)then
*before the core
        if((mreg.eq.13).and.(newreg.eq.11))then
           write(94,2000,err=999)ij,Eksco
         endif
*after the core
         if((mreg.eq.11).and.(newreg.eq.10))then
           write(95,2000,err=999)ij,Eksco
         endif
*after the dump
         if((mreg.eq.3).and.(newreg.eq.2))then
           write(96,2000,err=999)ij,Eksco
         endif

      endif


 999  continue
 2000 format(i3,(1x,e14.7))

       RETURN
*=== End of subroutine Usrmed ========================================*
      END
```

The USRMED.F code To score particles at the beam dump level