



Exercise 3: Flair

Beginners' FLUKA Course

Exercise: Flair

Start flair and

1. Configure the preferences
2. From inside flair create a new directory "ex3" and select it
3. Create a new project, based on the "basic" input template
4. Modify the input file:
 - Defaults: **NEW-DEFA**ults
 - Beam:
 - ◆ A Pencil proton beam
 - ◆ Kinetic energy **E=3.5 GeV**
 - ◆ Momentum Gaussian spread **$\Delta p = 0.8 \text{ GeV}/c$**
 - ◆ Divergence Gaussian **$\Delta\phi = 1.7 \text{ mrad}$**
 - Material: Assign BLOOD to the target using the Material Database
 - Primaries: 5000
5. Run 3 cycles

Monitor the progress of the run as well the output files created during the run and in the end