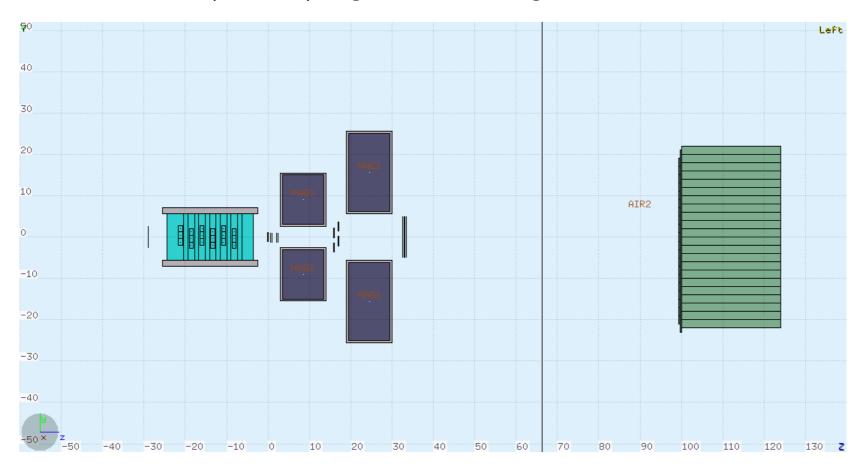


## July status

- All the detectors, the target and the magnets are available in FLUKA simulations (MSD thanks to Riccardo)
- Detectors can be switched on and off in the FootGlobal.par config file
- Including the magnets in FootGlobal.par config file, also the magnetic field is activated: tests ongoing
- Energy deposits in the M28 recorded only in the 14vm thick epitaxial layers
- Passive layers in the IT still missing. Final layout still to be defined
- IT ntuple: got rid of imimo, iplume, ilay. Now we only have isens



## Present status

Rotations implementation completed (and pushed)

	Whole detector			Single Sensor		
Detector	Χ	У	Z	Χ	У	Z
ST	<b>✓</b>	<b>✓</b>	<b>✓</b>			
BM	<b>✓</b>	✓	<b>✓</b>			
TG	V	<b>✓</b>	<b>✓</b>			
VT	V	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓
IT	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓
MSD	V	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>
DI	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓
ΤW	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>
CA	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>

- Magnetic field integration in FLUKA sim seems to work (and pushed). New simulated tuples to be tested with reco are needed and will be produced
- Introduction of passive layers of IT ladders is ongoing (available next week)
- Real calo geo is ongoing: Torino people is taking care of that (thanks!)
- Still some work to be done with FLUKA materials (next week)
- Delta rays study in progress











## Future

- Details refinements will be implemented (es. Scintillator wrapping)
- By the end of next week I'll release a presentation documenting the HowTo for FLUKA simulations in SHOE, so that anybody can puts his/her hand on it
- Should I also update the Twiki page?
- In the next months Giuseppe will be the contact person for FLUKA simulations

