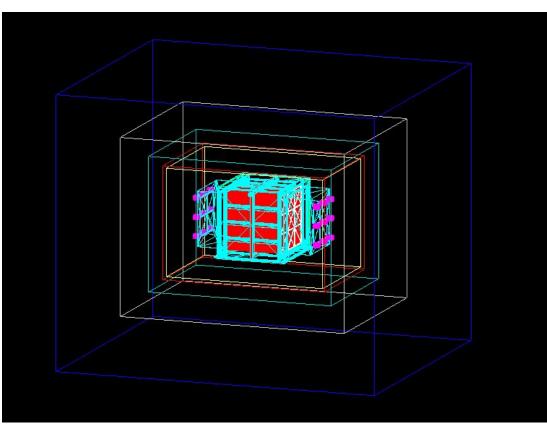
Update CYGNO simulation

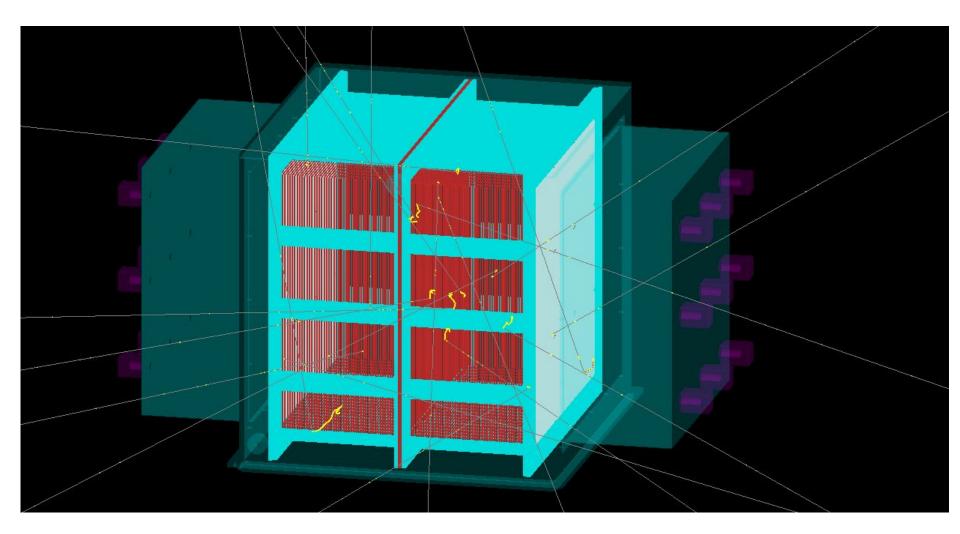
Giulia D'Imperio 30/05/2019

Geometry update

- New repository on github CYGNO area: https://github.com/CYGNUS-RD/CYGNO-MC
- Import from CAD geometry file from Sandro May 16
- Shielding from inside out: 5 cm copper, 20 cm lead, 40 cm polyethylene, 90 cm water



Example: ¹⁴C decays in the gas



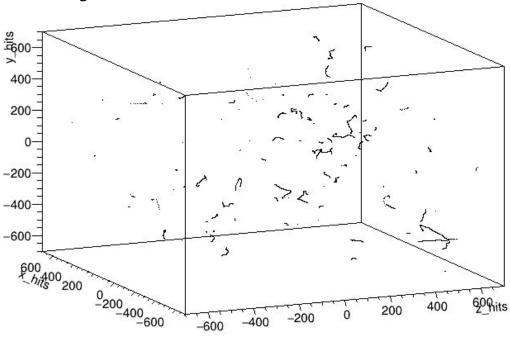
outgoing tracks are anti-nu from beta decay

Output root file

- Simulation time 26 evt/sec
- Output size 60 kB/evt

Example plots:

hit positions for 100 decays of ¹⁴C in the gas



energy spectrum in the gas

