

NEWS

CYGNO MEETING - 17/02/22

New team in CYGNO

We welcome the new team (Ernesto and Bruno) from The Universidade Estadual de Campinas - UNICAMP (Bra) entering the CYGNO collaboration;

- R&D for light collection enhancements, using wavelength shifters in combination with other elements acting as light concentrators.
- Studies of light yield in gas/liquids of interest and development and characterization of light sensors (SiPMs, APDs, PMTs).
- Studies of sensitivities to dark matter detection parameters. Simulations of astrophysical scenarios and different models of the dark matter wind.
- Involvement of undergraduate, graduate students and post-docs in any research activity carried on UNICAMP and/or in cooperation with other groups of the collaboration.

LIME at LNGS

While waiting for the last part of gas recovery system to be ready, we are working:

- HV system (ok);
- DAQ system (almost ok);
- slow control - middleware (almost ok);
- trigger setup (next week);
- evaluation of radioactive background (ongoing);

LIME at LNGS

