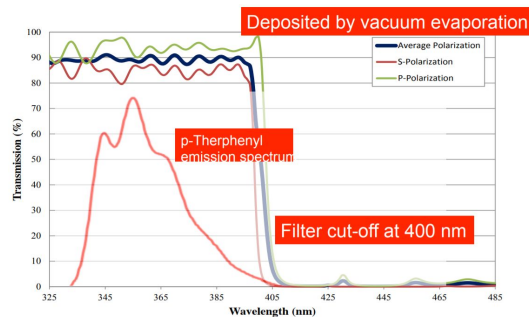
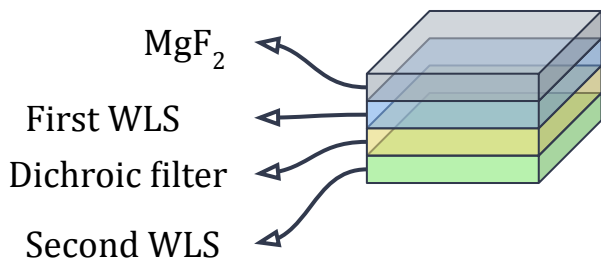


# Light conversion @ CYGNO

**LADEP** (LABoratório de desenvolvimento de **DE**tectores de **P**artículas)-University of Campinas:

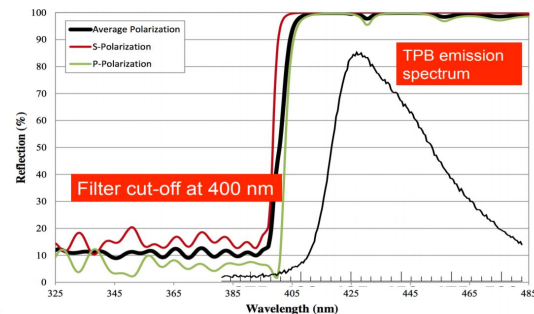
We are developing the **MagLITE**, a light trap technique to increase photodetector's collection efficiency.

The concept can be used in CYGNO: Conversion of the UV part of the **HeCH<sub>4</sub>** spectrum to visible.



1<sup>st</sup> conversion - filter is transparent

2<sup>nd</sup> conversion - filter is reflective



— HeCF4 + BisMSB — Quantum Efficiency C14440

