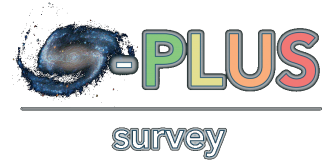




**IX La Plata International School
S-PLUS: the Universe in true colors**



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Hands-on session: Quasar search

Friday, February 21st

Goals:

- characterize the sample of quasars detected with S-PLUS;
- learn how to generate mock catalogs;
- derive photometric redshifts and quantify their precision.

Catalogs: (to be provided)

- S-PLUS catalog of spectroscopically confirmed quasars
 - S-PLUS catalog of point-like sources
 - Catalog with photometric redshifts for quasars
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Software:

Python 2.7.2 or later

Python libraries: numpy, scipy, matplotlib, astropy

LePhare (desirable but not required):

<http://www.cfht.hawaii.edu/~arnouts/LEPHARE/lephare.html>