

# CRIRES+ at the Very Large Telescope

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SWEDISH  
COLLEGIUM  
for ADVANCED STUDY

## Resolving power

$R > 80000^*$  (0.2" slit-width)

$R \sim 50000$  (0.4" slit-width)

\*nominally  $R \sim 100,000$  for the 0.2" slit  
 $R > \sim 80,000$  was measured at commissioning.  
We investigate and try to mitigate this.

## Wavelength coverage

spectroscopy

Y J H K L M

0.95  $\mu\text{m}$

5.2  $\mu\text{m}$

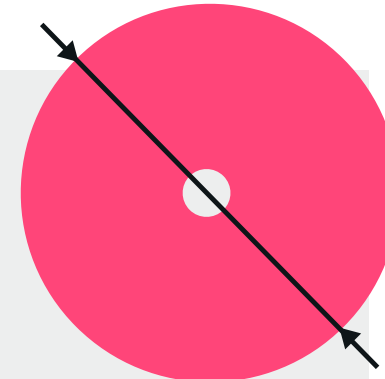
## Spectral grasp

~ 0.3  $\mu\text{m}^*$

\*varies with wavelength

## Collecting power

ø 8 metres  
at VLT UT3 Melipal



## Expected RV precision



## Calibration sources

UNe lamp

Gas cells

Fabry-Perot étalon

Online poster at: <http://aalex.is/posters/cs20p5>

Offered from **ESO Period 108**,  
starting **2021-10-01** with the  
following **limitations**:

- only spectroscopy (no spectropolarimetry) 🙄
- In AO: natural guide star = target = guiding star
- No AO: target = guiding star
- no extended targets (only compact sources)

**The Call for Proposals is out!**

<https://www.eso.org/sci/observing/phase1/p108/>

The proposal submission deadline is  
**12:00 CET on 2021-03-25**

More info at

<https://www.eso.org/sci/facilities/paranal/instruments/crires.html>