

ESO Portuguese Traineeship opportunities 2013

<b>2. Mechanical &amp; Cryogenic Department</b>	<b>Directorate of Engineering</b>
<b>Job code</b>	<b>ESO-DE(2)</b>
Supervisor	Mr Jean Louis Lizon
Education, knowledge and skills requirements	Mechanical engineering with some knowledge in mechanism design or integration.
Project information	Development, testing and optimization of high accuracy rotating unit for use at cryogenic temperature. Building up on the experience collected with the Echelle grating unit of CRIRES we plan to build a rotating table with a sub-arc-second (0.05) reproducibility. The candidate will be involved in the design phase. He will participate in the opto-mechanical testing at cryogenic operating temperature in the ESO cryogenic test facility.
Learning opportunities for the Trainee	<ul style="list-style-type: none"> <li>- Design of cryogenic mechanism</li> <li>- Adjustment and tuning of cryogenics mechanism</li> <li>- Opto-mechanical testing of cryogenic mechanism.</li> </ul>