

<h2>Call for contribution of expertise</h2> <p>CERN invites collaborating institutes and universities to contribute the expertise of their qualified employees to the activity described below.</p>	
<p><i>Start date:</i> 01.12.2017</p>	<p><i>Duration:</i> One year, possible extension to a maximum of up to three years.</p>
<p><i>Project/Activity:</i> Radiation to electronics studies</p>	
<p><i>Detailed description of Activity:</i></p> <ul style="list-style-type: none"> <li>• Liaise with the equipment groups and the integration team to keep updated the plan of the underground electronics and the indication of the sensitivity to radiation of the various devices;</li> <li>• Characterize the radiation environment in all relevant locations;</li> <li>• Link monitor measurements to radiation level expectations and correlate the R2E-related dump rate with operational parameters, such as integrated luminosity, beam intensity, vacuum conditions;</li> <li>• Help to identify suitable irradiation tests at the available facilities;</li> <li>• Contribute to radiation effects modelling.</li> </ul>	
<p><i>Profile:</i> Post-Doc physicist/engineer expert in radiation environment characterization and radiation effects on electronics. Experience in Monte Carlo simulations of particles showers and/or sensitivity to radiation of electronics devices.</p> <p><i>Specific details:</i> Familiarity with the FLUKA code, radiation monitors, irradiation tests. Good working knowledge of either English or French.</p>	
<p><i>Status at CERN:</i> Associated Member of the Personnel (Project Associate).</p> <p>Conditions in accordance with CERN's Staff Rules and Regulations and Administrative Circular No. 11. Subsistence allowance is payable by CERN to cover the additional cost arising from the individual's (and, as applicable, their family's) stay in the local area while performing activities at CERN.</p>	
<p><i>Option:</i> Collaborating institutes and universities can propose to support the activity of the qualified employees participating in this "Call for contribution of expertise" with students or other employees. Their status and Subsistence allowance when applicable will be adapted to their relation with their institutions</p>	
<p><i>Contact person:</i> Isabel Bejar Alonso</p>	<p><i>Reference:</i> 2017_Q3_029_WP10_Radiation</p>