

Call for contribution of expertise

CERN invites collaborating institutes and universities to contribute the expertise of their qualified employees to the activity described below.

Start date: June 2020 *Duration:* One year, possible extension to a maximum of up to three years.

Project/Activity: Layout and integration

Detailed description of Activity:

- Preparing the 2D Lay-out drawings for each area of the LHC machine that will undergo to major modification. The drawing are built using various CAD designing tools as CATIA and other software tools capable to dynamically link the information from various databases and other sources
- Updating the HL-LHC lay-out database according to the activities mentioned at the previous point
- Interfacing with the other teams that use these information as source for their work (i.e. the accelerator beam physics team)
- Ensuring the quality and coherence of the collected information and follow the various documents approval process
- Enlarge the use of the previous available methodologies in order to provide more complete information to support the installation in the new underground caverns and integration of all technical interfaces
- Support the installation activities providing differential lay-out putting in evidence the agreed and approved modifications

Profile: Mechanical/Electrical/Aeronautical engineer. Self-management, personal initiative, communication skills, analytical and synthesis capabilities and a problem-solving attitude are required. Engineer background is required.

Specific details: Good level of English, French is an asset. Proven track of excellent university results and/or relevant professional experience. Professional user of CATIA or other 3D CAD system and have experience in the rigorous management of technical information.

Status at CERN: Associated Member of the Personnel (Project Associate).

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.

Option: 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

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