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: Asap	*Duration:* One year, possible extension to a maximum of up to three years.

Project/Activity: Operation of the CERN normal conducting magnets

Detailed description of Activity:

Completion of the magnetic model of the PS machine and validation of the model.

Dynamic magnetic characterization of different vacuum chamber geometries under the action of the magnetic field, in particular in the PS where a passive compensation feedback has to be characterized.

Characterization of cycled normal conducting magnets, in particular the ones powered with a new generation of fast cycling power converters.

Profile: Electro-mechanical engineer or applied physicist with experience in FE simulations of electromagnetic fields. Good working knowledge of either English or French.

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

Contact person: Isabel Bejar Alonso	*Reference:* 2017_Q3_027_MSC_conducting_magnets