

Scientific report

During the visit of Agostino Leveque from the 10th to the 15th of February 2019, the integration of MOCCA software for dynamical evolution of Globular Clusters to the AMUSE software environment was successfully achieved. The interface that connects those two software is almost complete and ready to test.

Moreover, there have been discussion also on scientific use of MOCCA with AMUSE. The first project will concern the dynamical evolution of a Globular Cluster, within a galaxy tidal field, with the presence of a external gas potential. The main goal is to see if there will be or not a linear correlation between initial and final conditions (at an age of 12 Gyr) with the presence of a gas.