Contribution ID: **66** Type: **Oral contribution**

Putting CEMP-s stars into context: the swan songs of stars as recorded by their binary companions

CEMP-s stars are thought to be the EMP equivalents of Pop. I barium stars or of Pop. ii CH stars, owing their chemical peculiarities to binary evolution. Their present-day companion is a CO white dwarf that had been the core of an AGB stars. We review the observations of different types of chemically peculiar stars originating from binary evolution, including those presumably polluted by a core-collapse SN event. We discuss some possible ways to detect them.

Primary author: Dr NORTH, Pierre (Ecole Polytechnique Fédérale de Lausanne (EPFL))

Presenter: Dr NORTH, Pierre (Ecole Polytechnique Fédérale de Lausanne (EPFL))

Session Classification: OBSERVATIONAL APPROACH: CEMP STARS, FIRST STARS, FIRST GALAXIES