Contribution ID: **55** Type: **Oral contribution**

Life and death of supermassive stars

Thursday 12 September 2019 16:40 (20 minutes)

Supermassive stars (SMSs) are candidates for being the progenitors of the most massive quasars discovered recently at high redshift. The viability of this formation channel (direct collapse) depends on the properties of the progenitor, whose evolution is dominated by rapid accretion. I will present the most recent models of SMSs, that include accretion and rotation, and discuss their implications regarding the direct collapse scenario and the possible observational signatures of these stellar Titans.

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Session Classification: FUTURE PERSPECTIVES, CHEMICAL EVOLUTION, LARGE SURVEYS