

Preliminary schedule Seminar topics “2019 Evolution of the Universe”

20 November

- How to measure the stellar masses of distant galaxies **Wirnsperger**
- How to measure the star formation rate in distant galaxies **Kang**
- How to measure atomic (HI) gas **Liu**
- How to measure molecular (CO / H₂) gas **Ziehl**

27 November

- Chemical evolution models **Sibony**
- Stellar abundances and quenching **Chen**
- Measuring the dark matter halo mass through weak lensing **Sutter**
- Dark matter halo profiles in dwarfs : problems and solutions **Egli**

4 December

- Measuring the dark matter halo mass of the Milky Way through its satellites **Tan**
- Measuring the mass of supermassive black holes in the Milky Way and nearby galaxies **Hubert**
- Measuring the mass of supermassive black holes in quasars **Sajnani**
- The origin of supermassive black holes **Attia**

11 December

- When did reionisation happen? **Negri**
- Reionisation as a possible solution for the missing satellites problem **Haddad**
- Theoretical properties of Population III stars **Argyris**
- The lowest metallicity stars in the Milky Way **Seidler**

18 December

- The resolved star formation history of the Milky Way and its satellites **Blanc**
- Stellar streams in the Milky Way's halo **Zbinden**

Topics that have not been chosen:

How to measure the hot gas

How to measure the gas-phase metal abundances in distant galaxies