



Contribution ID: 278

Type: **Invited talk in the parallel session**

Type Ia supernovae in the near infrared

Thursday, 8 July 2021 17:35 (20 minutes)

Infrared light curves of type Ia supernovae have been shown to provide an interesting pathway to extragalactic distances and a physical understanding of the explosions. The double peak provides interesting characteristics. The peak phases of the infrared relative to optical light curves gives an indication of the radiation physics and hints on why type Ia supernovae might be better standard candles than in the optical. The second peak holds information on the power source and the total mass in the explosion and also selects peculiar explosions.

Primary author: LEIBUNDGUT, Bruno (ESO)

Presenter: LEIBUNDGUT, Bruno (ESO)

Session Classification: White Dwarf Explosions

Track Classification: White Dwarfs: White Dwarf Explosions