SPHEREx and Supernovae

Studies of local Type Ia offer insight into SN physics: subtypes, explosion mechanisms, progenitors channels... Aids precision cosmology with distant SN.



Wevin Huffenberger, Eric Hsiao, Peter Hoeflich, Jeremiah Murphy

Mid-IR can reveal mechanisms

Big questions:

- Do WDs explode at the Chandrasekhar mass limit?
- Is explosion by delayed-detonation or merger?



