

New advances in NIR type Ia supernova science

Pittsburgh, 2018 April 11-13

Welcome and introduction

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Goals



(your) Goals

- Status of NIR SNe Ia studies, where have we come since the last Pittsburgh meeting, where do we go, new collaborations?
- Great opportunity for interaction with observers and theorists
- Fresh knowledge of SNIa standardization in the NIR
- Fun
- Reconnecting with colleagues and collaborators. Discussing the future of the field.
- The opportunity to get involved in new projects with interesting people.
- Discuss progress of NIR observations of SNe Ia in cosmology
- Learning the status of NIR SN surveys and datasets, new NIR LC models + how they are being combined with the optical, and how they deal with dust and intrinsic color, are there ways to detect events that are peculiar in the NIR with LSST optical observations.
- I am interested in hearing about the diversity (or lack) of model predictions for late-time spectra, so that constraints can be made based on observations. Also interested in observational signatures of Ia companions and at what times they are expected.
- To expand collaborations and learn about infrared data (upcoming instruments)
- Meet the community that is working with optical + near infrared observations of SN Ia.
- Know about other approaches to infer relative distances from optical + near-infrared light curves of SN Ia.
- Get involved in future projects to collect, analyze and infer distances from SN Ia in optical + near infrared.
- Insights
- Having the different groups work together towards a plan for the future!
- Concrete plans on how to address outstanding SN Ia issues with observations in the near and mid-IR.
- New ideas, update on SN Ia fitting
- A frank discussion between theorists and observers on which triggering mechanisms are still on the table, and what further observations are needed.
- Collaboration and scientific discussion
- To learn about NIR surveys, recently concluded and ongoing, present our recent work and collaborate on future missions
- To learn a lot!
- Plan for joint analysis and calibration; Political and scientific plan for future NIR ground+space program

Schedule



Schedule

	Wednesday	Thursday	Friday
9:00			
	1	3	5
11:00			6
13:00			
	2	4	7
15:00			
			8
17:00			

1. Surveys/Observations outlook

2. Theory/Simulation/What modelers need?

3. Standardization/LC-fitter Optical+NIR

4. Dust/Intrinsic color

5. Spectroscopy


6. Peculiar SNeIa


7. NIR calibration

8. Technical capabilities/Future surveys

Legacy

<https://github.com/snianir>

 This organization Search Pull requests Issues Marketplace Explore

 snianir

Repositories 2 People 1 Teams 0 Projects 0 Settings

Search repositories... Type: All Language: All Customize pinned repositories New


talks

Updated a minute ago

webpage

SNe Ia NIR workshop

HTML Updated 20 hours ago




Top languages

HTML

People

1 >

 lgalbany
Lluís Galbany

Invite someone

Legacy

<https://github.com/snianir>

The screenshot shows the GitHub interface for the repository 'snianir / talks'. At the top, there's a dark navigation bar with the GitHub logo, a search bar, and links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below this, the repository name 'snianir / talks' is displayed, along with buttons for 'Unwatch' (1), 'Star' (0), and 'Fork' (0). A secondary bar shows tabs for 'Code', 'Issues' (0), 'Pull requests' (0), 'Projects' (0), 'Wiki', 'Insights', and 'Settings'. The main content area starts with a message: 'No description, website, or topics provided.' followed by an 'Edit' button and a link to 'Add topics'. Below this, a summary bar shows '1 commit', '1 branch', '0 releases', and '1 contributor'. A row of buttons includes 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and a green 'Clone or download' button. The file list shows a commit by 'lgalbany' to 'Create README.md' 43 seconds ago. Below the file list, the 'README.md' content is displayed, featuring the title 'talks' and the text 'Please upload your talks here!'.

This repository

Search

Pull requests Issues Marketplace Explore

snianir / talks

Unwatch 1 Star 0 Fork 0

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No description, website, or topics provided. Edit

Add topics

1 commit 1 branch 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

lgalbany Create README.md Latest commit 808dd77 43 seconds ago

README.md Create README.md 43 seconds ago

README.md

talks

Please upload your talks here!

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