Contribution ID: **150** Type: **Oral Presentation**

Exploring Dark Energy and the Dark Equation of State

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Abstract content
   (Max 300 words)

Type 1a Supernovae at cosmological distances have become a primary Probe for Dark Energy and Dark Matter. We independently explore a recent data compilation which includes 414 sources from a fairly recent study done by Kowalski et al. We use the traditional Chi-squared fitting techniques and model-independent correlation statistics. We find that substantially different values of the cosmological parameters, Ω_m, Ω_{&Lambda} and w are obtained by modestly relaxing the conventional procedures described in Literature. We also explore the question of the Anisotropy of Dark Energy and the effects of new parameters in the equation of state.

Apply to be
 consider for a student
   award (Yes / No)?

Yes

Level for award
 (Hons, MSc,
   PhD)?

MSc

Main supervisor (name and email)
and his / her institution

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Would you like to <br> submit a short paper <br> for the Conference
 Proceedings (Yes / No)?

No

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