TG3 Introduction: detector response

Jost Migenda and Marta Colomer Molla

SNEWS Collaboration meeting, 3rd August 2022

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Morning session:

SNOwGLoBES v1.3		*Sebastian Torres-Lara y otros*
Room 223, Purdue Physics		*11:45 - 12:00*

12:00

SNtools and generator comparison in SNO+	*Sammy Valder y otros*
Room 223, Purdue Physics	*12:00 - 12:15*

Inelastic charged current interaction of SN neutrinos in two-phase liquid xenon dark matter detectors	*Sayan Ghosh* 📎
Room 223, Purdue Physics	*12:15 - 12:25*

Afternoon session:

16:00

Coffee	
Room 223, Purdue Physics	*16:00 - 16:30*

TG3 Introduction	*Dr. Jost Migenda y otros*
Room 223, Purdue Physics	*16:30 - 16:45*

SNEWPY: Overview	*Dr. Jost Migenda*
Room 223, Purdue Physics	*16:45 - 17:00*

17:00

SNEWPY: Advanced Flavor Transformations	*James Kneller*
Room 223, Purdue Physics	*17:00 - 17:15*

SNEWPY: Simple Rate calculation	*Sonia El Hedri y otros*
Room 223, Purdue Physics	*17:15 - 17:30*

EstrellaNueva	*Prof. Eric Vázquez Jáuregui*
Room 223, Purdue Physics	*17:30 - 17:45*

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Remarks since last collaboration meeting:

- Two SNEWPY papers have been published, interest from both pheno and experimental side
- Towards unifying the SNEWS software requirements:
cross-talk within TG's to ensure the compatibility between them
- Towards a full model registry:
see later talk and attend breakout session for model finalizing if you're interested
- Towards using SNEWPY and evaluating different detector response conditions in coming firedrills