

Seyfert Taskforce meeting - 22 Sept.

Today's schedule:

- 1) General updates and infos
- 2) Sweta Menon - MAGIC observation of NGC 4151

Previous presentations

1) Simulations

J. Albinet, M. Cerruti (Simulations NGC 1068 and Seyferts)

T. Caba, F. Tombesi, D. Ilic, A. Lamastra, F.G. Saturni (Simulations NGC 1068)

2) Theory & Modelling

E. de Gouveia Dal Pino, L. Passos-Reis, J.C. Rodriguez-Ramirez, G.H. Vicentin (AGN corona)

E. Peretti, F. Tombesi, A. Lamastra, F.G. Saturni (UFO in NGC 4151)

Some time ago also: P. Kornecki (SF-Galaxies)

Data Challenge

Deadline: 31 October 2025!!

Our focus for the data challenge is NGC 1068

Models:

- 1) Succ. + Failed wind (S. Inoue, M. Cerruti)
- 2) Ultra-Fast Outflows (E. Peretti, A. Lamastra, F.G. Saturni, F. Tombesi)

Possible :

- 1) TDMR in AGN Corona (E. de Gouveia Dal Pino, L. Passos, Reis, J.C. Rodriguez-Ramirez, G.H. Vicentin)
- 2) Starburst in 1068 (S. Menon, E. Peretti, A. Lamastra, F.G. Saturni, M. Cerruti, P. Kornecki, others?)
- 3) Others? (#Please show up soon if you are interested)

Paper plan

1) My idea: make it a consortium paper:

Con - Slower in passing through the whole collaboration

Pro – Better visibility for possible future role as KSP

2) Theory and literature review can be summarized relatively quickly

Volunteers please show up soon

3) Simulations

Updates? Time schedule?

Astronomy & Astrophysics manuscript no. output
September 22, 2025

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Observing Seyfert Galaxies with the CTAO Prospects for the very-high-energy domain

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Received ...; accepted ...

ABSTRACT

A.

Key words. one – two – three

1. Introduction

Seyfert (Seyfert 1943)

2. Regions of interest for VHE processes

2.1. The nearest neighborhood of the SMBH

2.2. AGN-driven wind

2.3. Weak jet

2.4. Star forming regions

3. Observability with CTAO

Simulations and results

4. Results

Additional results

5. Discussion and prospects

Discussion

6. Conclusions

Conclusions

Acknowledgements. write here

References

Seyfert, C. K. 1943, *Apl*, 97, 28