

# COMBINED DARK MATTER SEARCH

WITH FERMI-LAT, HAWC, H.E.S.S., MAGIC, and VERITAS

1

## What is this contribution about?

**First combination** of the observations of 5 experiments towards 20 dwarf spheroidal galaxies to **increase the sensitivity to potential dark matter signal**.

2

## Why is it relevant/interesting?

Improvement of the **upper limits over the widest energy range ever** for 8 annihilation channels.

3

## What have we done?

Development of a **new common approach** to perform a combined statistical analysis and **derive new combined upper limits**.

4

## What is the result?

New combined upper limits **2 to 3 times better** than the previous individual ones.