Simulating the performance of the Southern Wide-view Gamma-ray Observatory

Harm Schoorlemmer - for the SWGO collaboration





A Sketch of the framework











A starting point....



 \oslash 3.8 m



A starting point....

- Dense inner array: 80% filled, ⊘ 320 m
- Sparse outer array:
 5% filled, ∅ 600 m
- Total number of identical detector units: 6600

Development of full simulation chain

Reference point for evaluation of the science benchmarks

Development of cost model



Strategy



High-energy (50 - X PeV): large efficient outer array

Differential point-source sensitivity



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