$\langle Quantum|Gravity \rangle Society$

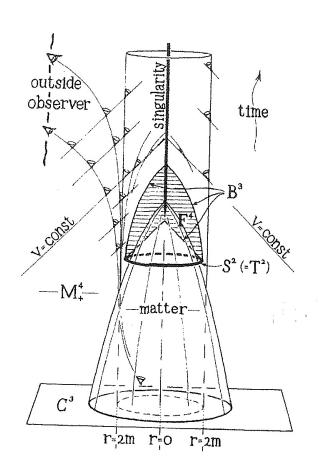
Time-Asymmetric GR Singularity Puzzle as Addressed by CCC

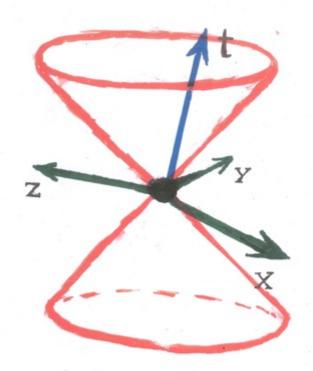
Roger Penrose

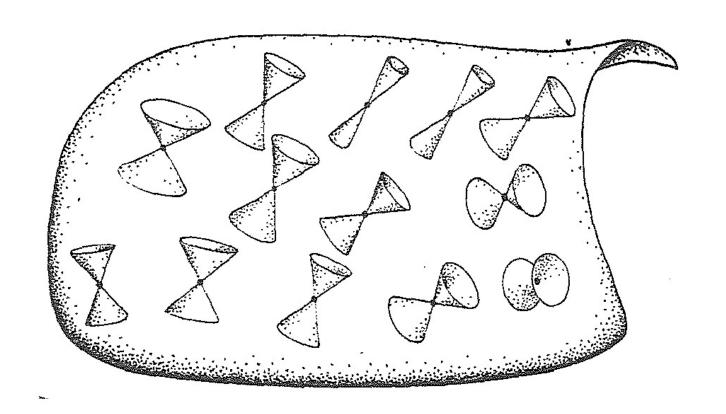
Time-asymmetric
GR singularity Puzzle
as Addressed by
CCC

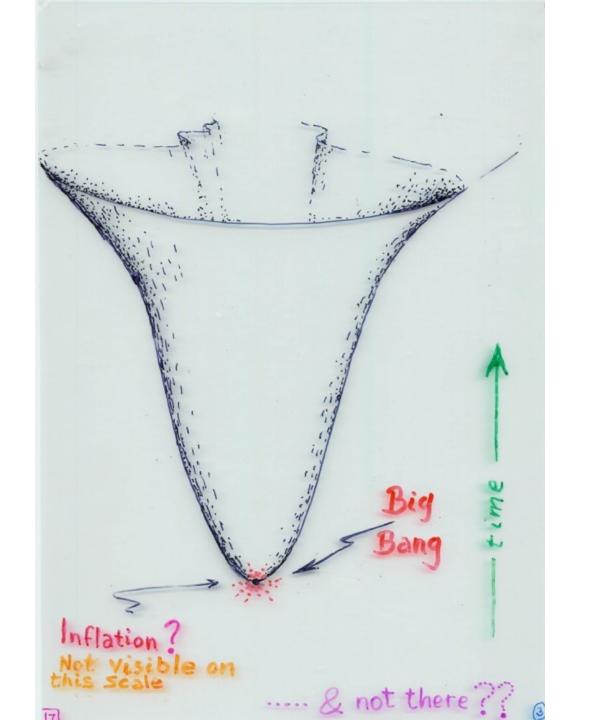
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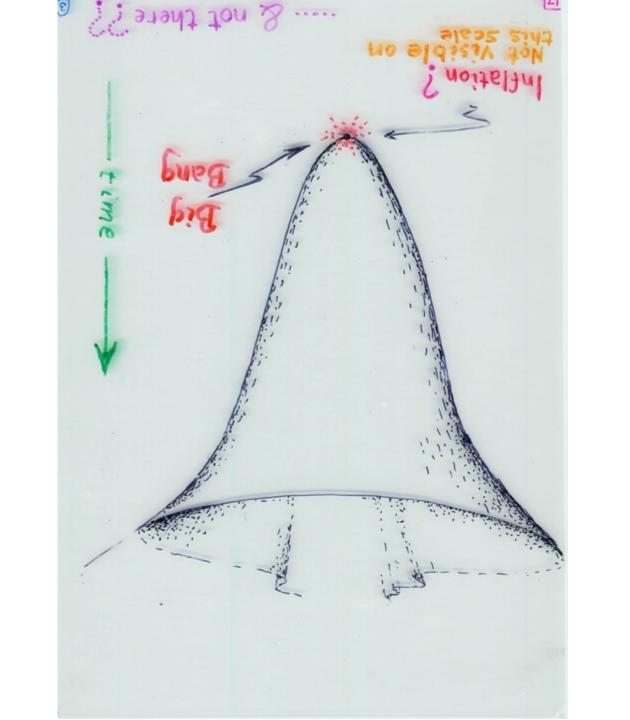
University of Oxford

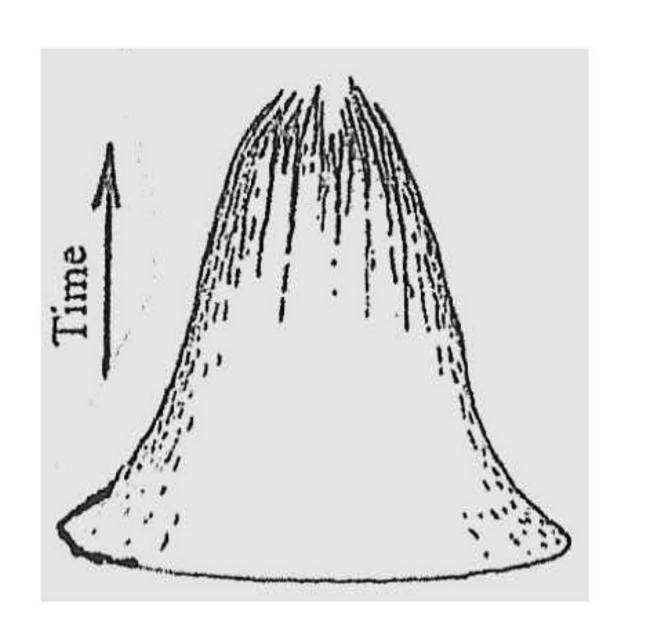


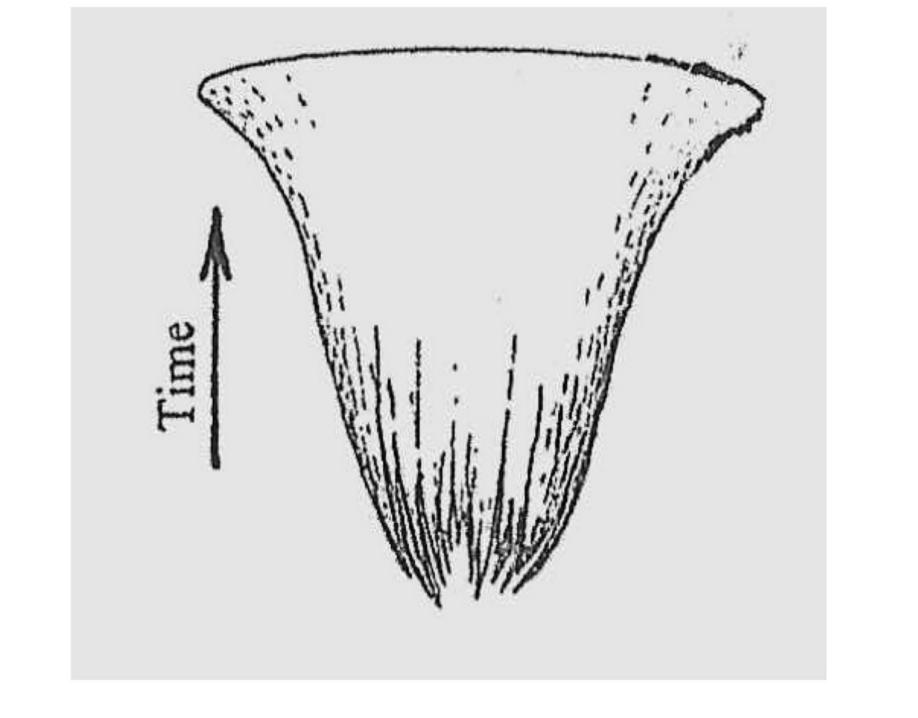


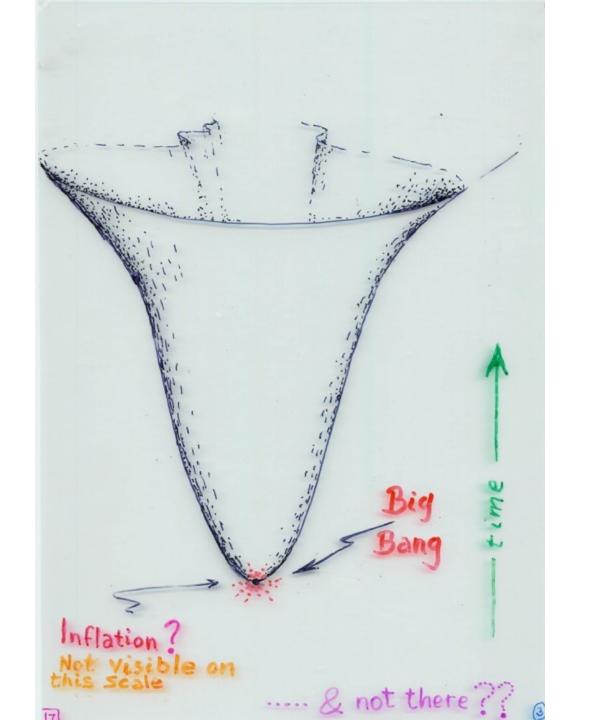


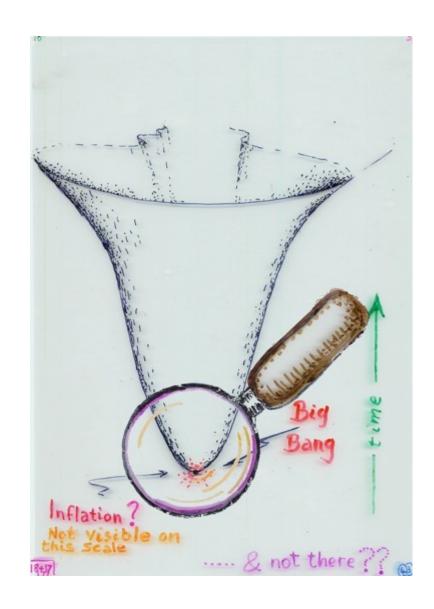




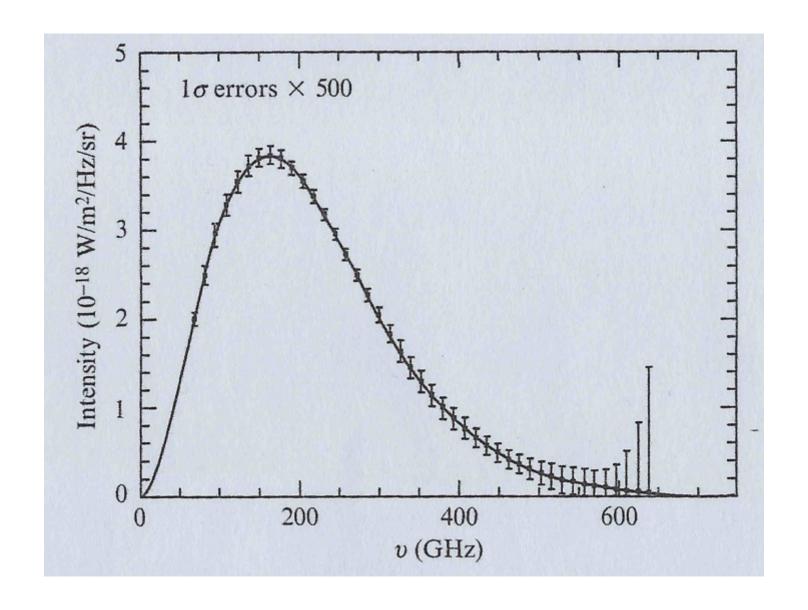


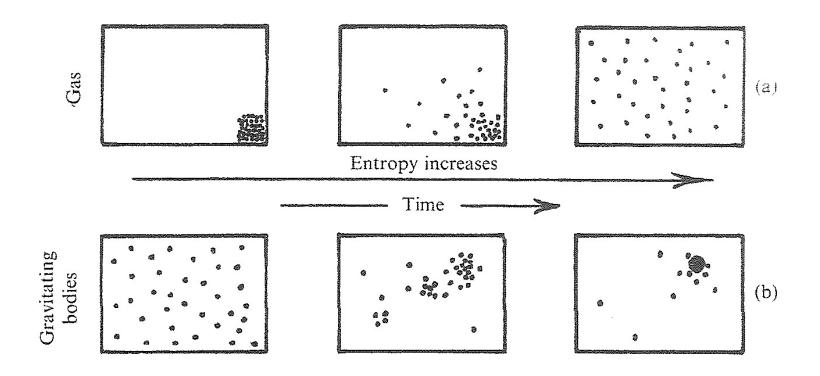






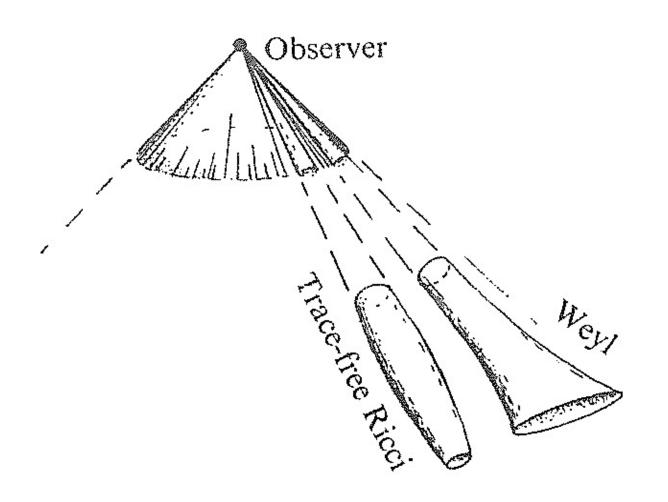






Apparent (distorted) > star field Star field if sun were absent Sun's disc

Petrona Wi



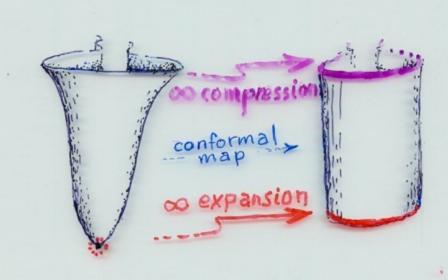
Space-time Singularities

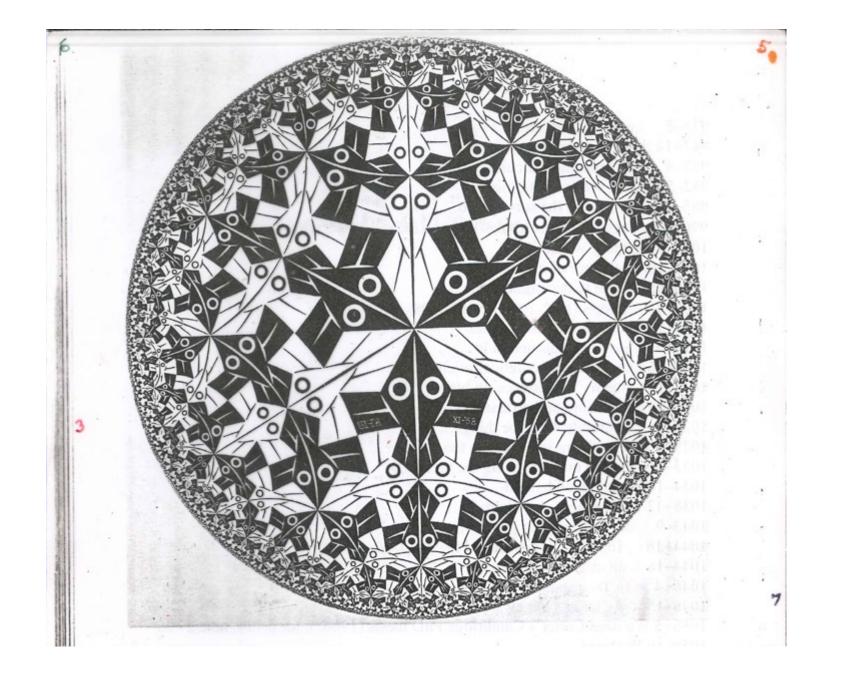
Cannot be a purely quantumgravity problem. because:

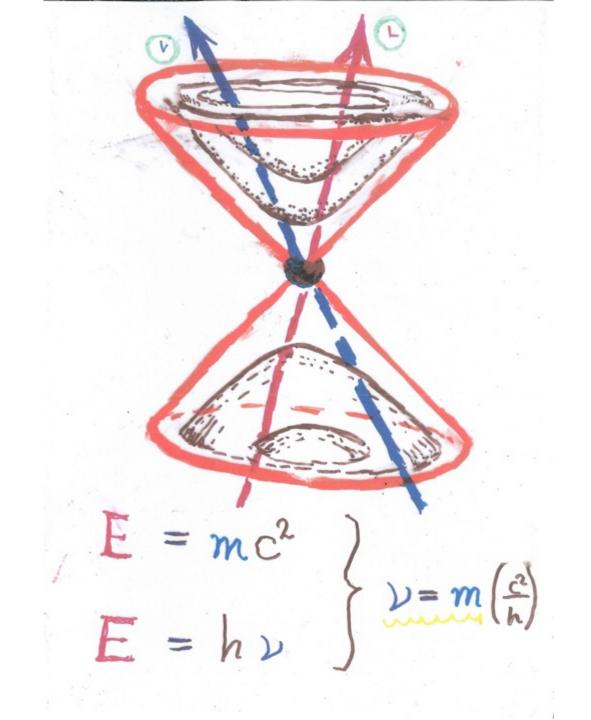
for singularities in black holes

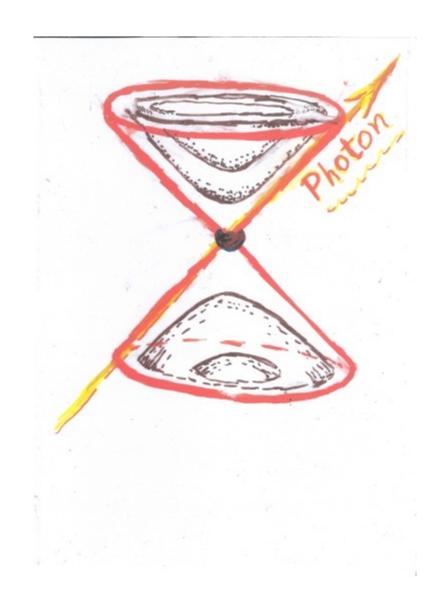
Weyl curvature $\rightarrow \infty$ for the Big Bang

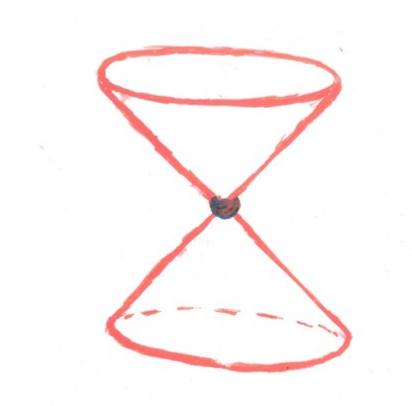
Weyl curvature $\rightarrow 0$

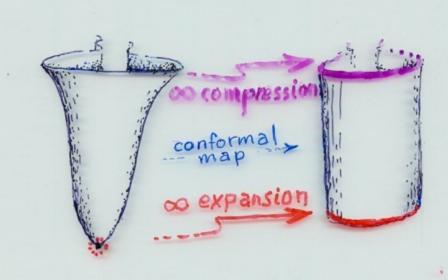


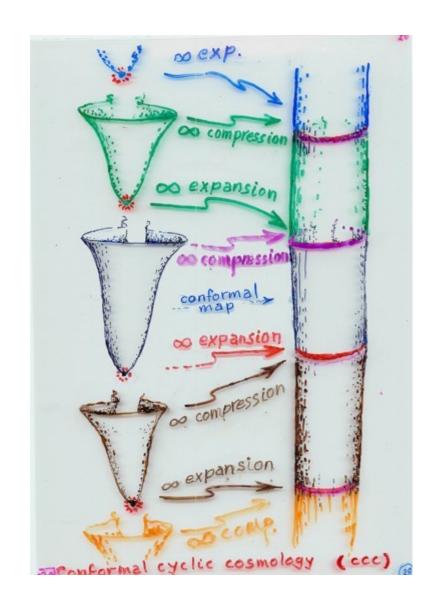


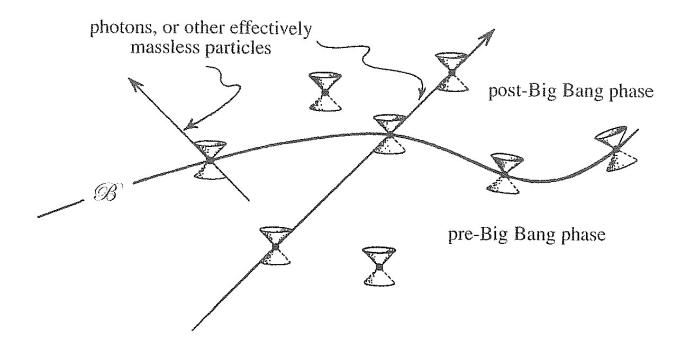


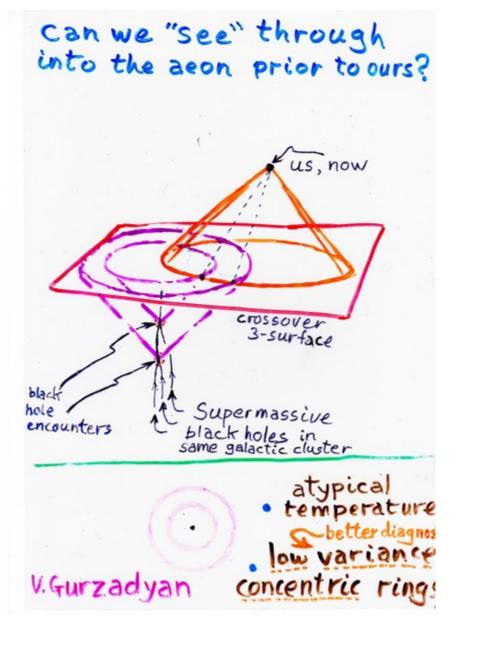


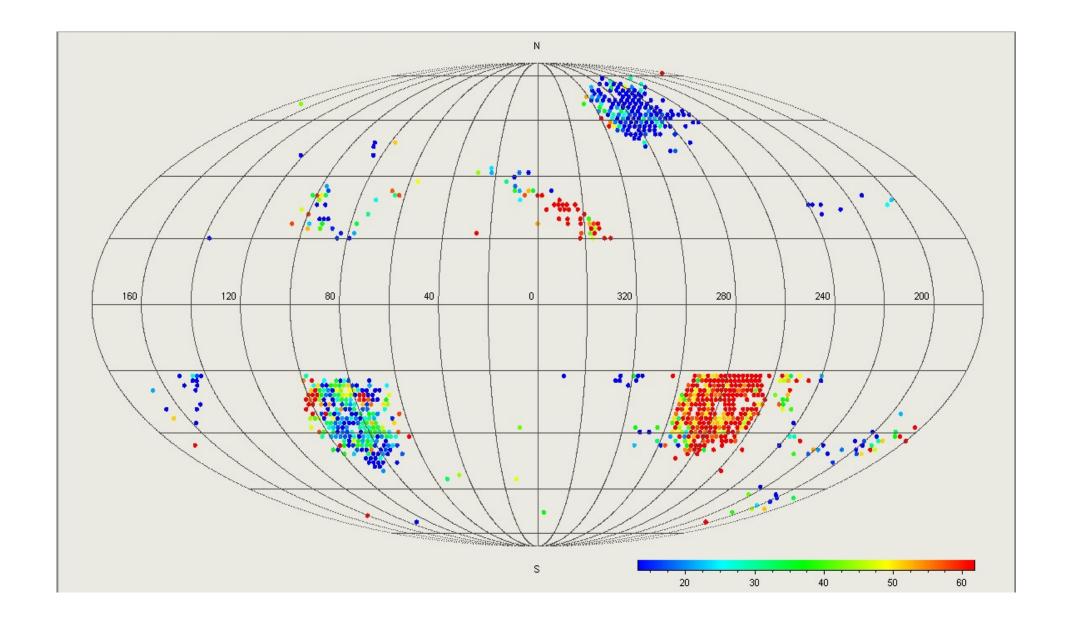












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