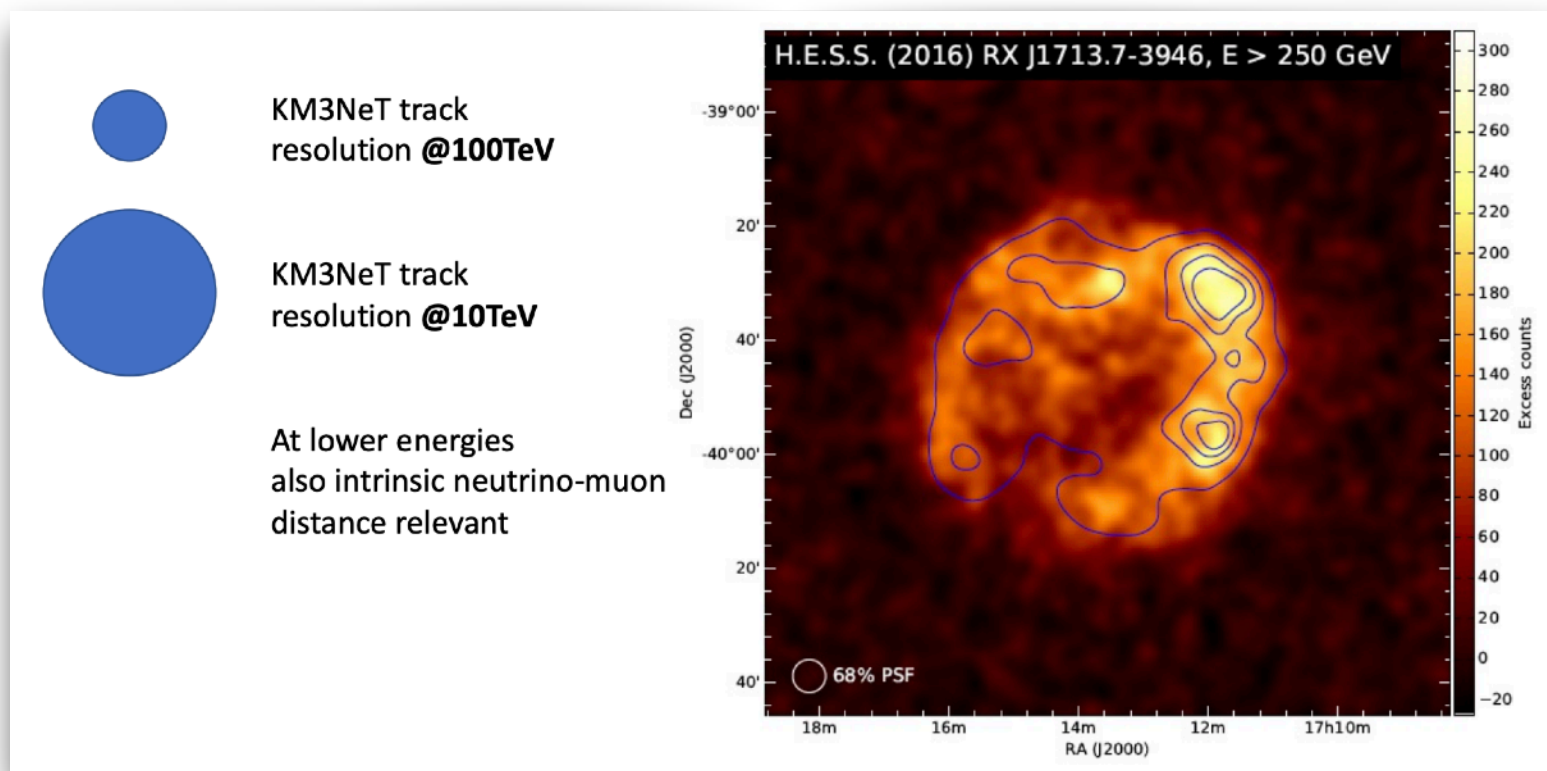


Thoughts about KM3NeT

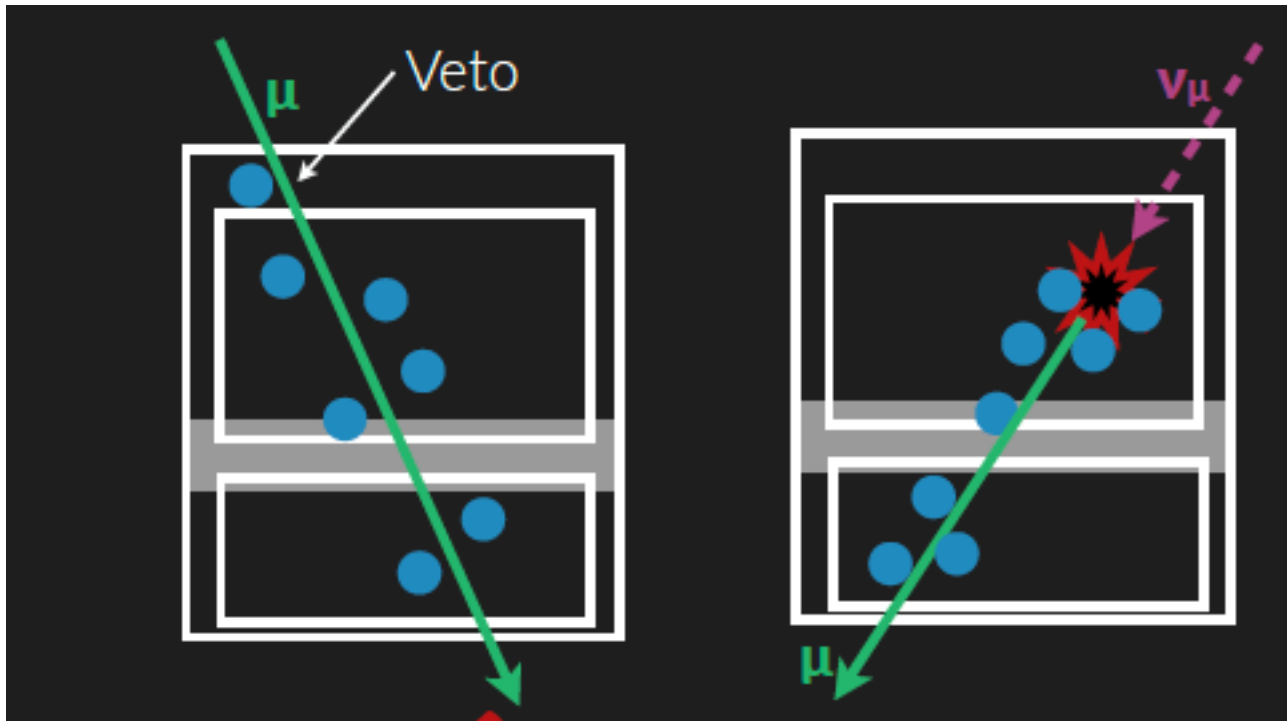
- How to improve the angular resolution in cascade events?

From Dorothea



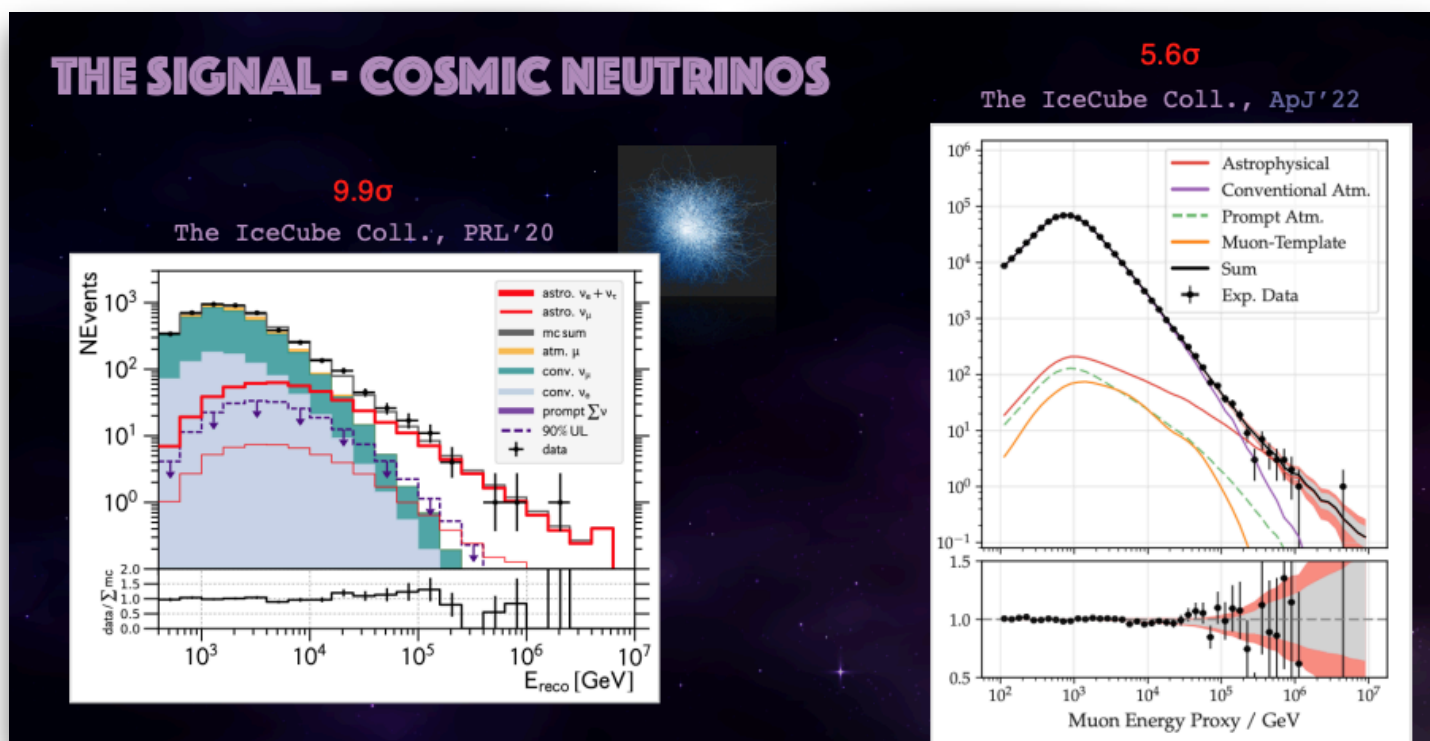
Are Graph Neural Networks (GNN) a good solution ?

- Is a veto for cascade needed ? How important it is for KM3NeT? How to implement it ? Could this be a future development for KM3NeT ?



- After the first evidence of a diffuse flux (2014) no clear evidence of the spectral shape. What do we need to have energy spectra measurements? How much we have to increase the statistics? Same KM3NeT/IC analysis or selecting big part of the sky ?

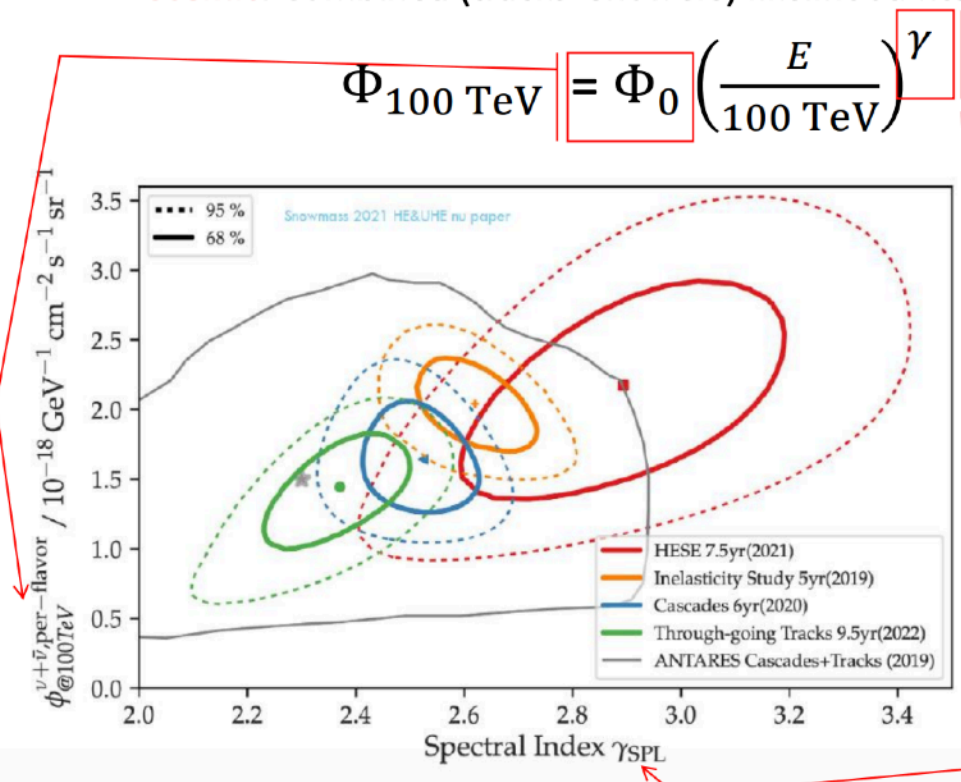
From E. Resconi RICAP 2022



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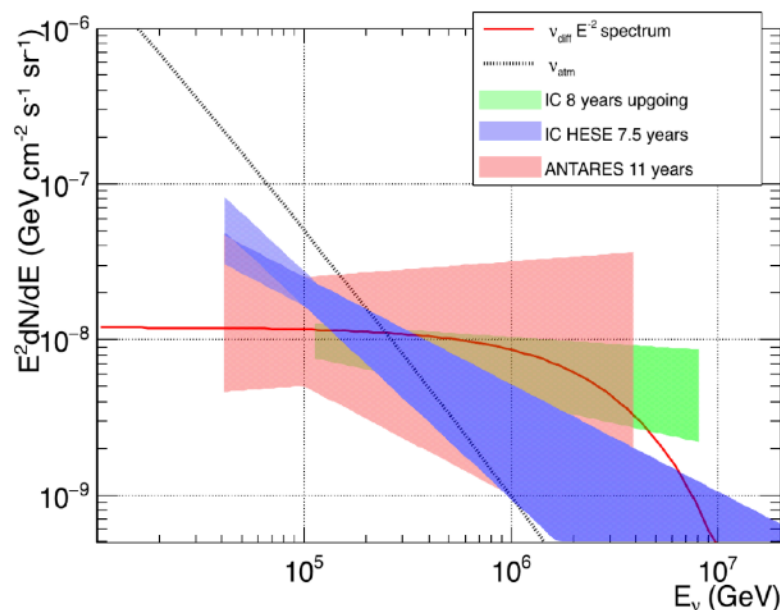
Cosmic: Combined (tracks+showers) likelihood fitting:

$$\Phi_{100 \text{ TeV}} = \Phi_0 \left(\frac{E}{100 \text{ TeV}} \right)^\gamma$$



From M. Spurio

Results not really constraining... but fully compatible with IceCube



- How important are the systematics in KM3NeT ?
- How to compare IC and KM3NeT data ?