



## Poster session 2 – Tuesday 5 July

### P2.011 **Studying the flavor ratios of high energy astrophysical neutrinos by the next generation neutrino telescopes**

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We study the physics potential of the next generation neutrino telescopes such as IceCube-Gen and KM3NeT. By studying the flavor ratios of high energy astrophysical neutrinos, we discuss to which extent we can extract information regarding the source or neutrino production mechanism. We also study how much we can get information regarding the neutrino properties such as mixing as well as non-standard neutrino properties coming from some new physics beyond the standard model.