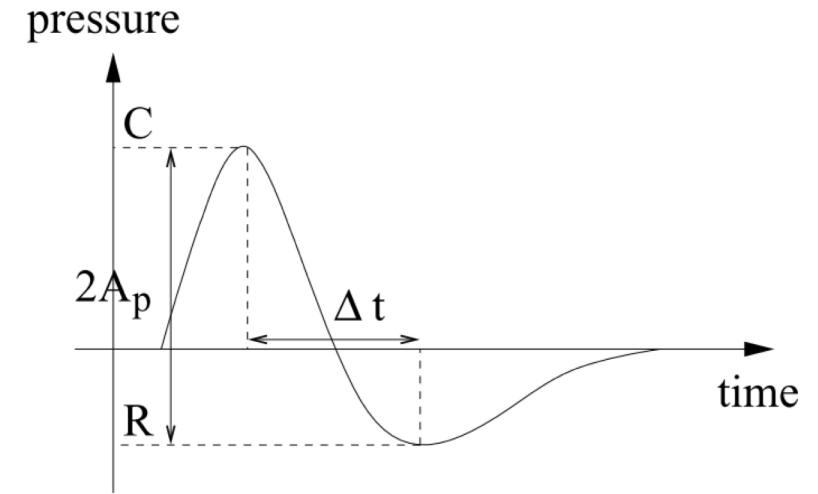


Figure 8: Characterisation of cascades thermo-acoustic signal by a  $R/C$  versus  $\Delta t$  diagram. The range is indicated by arrows for the NC cascade model. The solid curve correspond to a  $10^{19}$  eV NC neutrino interaction with solely a compact cascade of hadronic origin. The dashed curve is a  $10^{17}$  eV CC  $\nu_e$  interaction with a slightly elongated EM cascade due to LPM effect. Stars represent characteristics of some  $10^{20}$  eV CC  $\nu_e$  interactions with LPM strongly extended EM cascades.



[Niess, V. & Bertin, V. Underwater acoustic detection of ultrahigh energy neutrinos. *Astropart.Phys.* **26**, 1–15 (2006)]