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## The $\tau$ – $\rightarrow$ $\pi$ – $\pi$ + $\pi$ – $\nu\tau$ decay and the a1 $\rho\pi$ - Lagrangian

Processes in which the a1 resonance either dominates  $(\tau \to \pi - \pi + \pi - \nu\tau$ ,  $K+\to \pi+l+l-$ ,  $e+e-\to 4\pi)$  is supposed to play an important role (photon and dilepton production from a meson gas) are linked together using the meson dominance (MD) hypotestis. The mixing angle of a two-part a1  $\rho\pi$  - Lagrangian is first fixed together with the mass and width in the a1 propagator by fitting the observed three-pion mass spectrum in the  $\tau \to \pi - \pi + \pi - \nu\tau$  decay.

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