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Dr. PANOTOPOULOS, Grigoris (University of Valencia): Constraints on quintessence coupled models through energy dependent coupling

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We study coupled quintessence models in which the interaction with dark matter is driven by some power of the quintessence potential. We show that those models can emerge from a Lagrangian formulation, and can lead to an accelerating stable fixed point. We also provide the bounds on the parameters of the models using supernovae, CMB, BAO and H_0 data.

Session Classification: 6 talks (Chair: Konstantinos DIMOPOULOS)