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The indications of GRB 221009A TeV emission

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The extraordinary GRB 221009A has an extremely luminous TeV emission. We analyzed the light curves both in TeV band and in MeV band. We found several special properties and try to figure them out. 1. Try to find the indication on the Lorentz factor based on the opacity of the TeV photons absorbed by the prompt MeV photons. 2. Try to figure out the early dip at 1-5 s of the TeV light curve. 3. Try to determine the observing angle based on the neat TeV jet break. 4. Try to clarify the fast-rise-exponential-decay (FRED) light curve model based on the MeV emission, as this special strong GRB covers several orders of magnitudes on the flux.

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