

## Posters presented at Joint Discussion 1

**Costa, J.E.R., & Simoes, P.J.A.**

Possible thermal emission by relativistic electrons at submillimeter range.

**Dasso, S., Matthaeus, W.H., Smith, C.W., & Milano, L.J.**

Observations of solar wind fluctuations: anisotropy properties.

**Dieckmann, M.E., Drury, L.O.C., & Shukla, P.K.**

On the ultrarelativistic two-stream instability, electrostatic turbulence and Brownian motion.

**Dieckmann, M.E., Shukla, P.K., Eliasson, B., Sircombe, N.J., & Dendy, R.O.**

Phase speed of electrostatic waves: The critical parameter for efficient electron surfing acceleration.

**Dorman, L.I.**

Great solar energetic particle events: monitoring and forecasting of radiation hazard by using on-line one-min neutron monitor data.

**Elyiv, A., Petruk, O., & Hnatyk, B.**

Spectrum of turbulence of the extragalactic magnetic field and IRAS PSCz catalogue.

**Gabici, S., & Blasi, P.**

Non-linear shock acceleration and high-energy  $\gamma$ -rays from clusters of galaxies and filaments.

**Gan, W.Q., & Li, Y.P.**

Acceleration region revealed from *RHESSI* X-ray observations.

**Giovannini, G., Giroletti, M., & Taylor, G.B.**

The superluminal giant radio galaxy 1144+35.

**Gopalswamy, N., Yashiro, S., Kaiser, M.L., & Bougeret, J.-L.**

Solar energetic particles and CME-driven shocks.

**Hashimoto, T.H., Iye, M.I., & Aoki, K.A.**

Investigation of ionization mechanism of extended narrow line region.

**Jones, T.W., & Kang, H.**

Time evolution of cosmic-ray modified MHD shocks

**Kang, H., & Ryu, D.**

Particle acceleration at cosmological shock waves.

**Karlický, M., & Bárta, M.**

Collapsing magnetic trap as accelerator of electrons in solar flares.

**Kashapova, L.K., Zharkova, V.V., Chornogo, S.N., & Kotrč, P.**

Signatures of high energy particle beams in the chromospheric events before the 25 July 2004 flare onset.

**Kašparová, J., Kontar, E.P., & Brown, J.C.**

*RHESSI* survey of photospheric albedo and directivity of solar flare hard X-ray spectra.

**Kellogg, E.M., Anderson, C., DePasquale, J., Korreck, K., Nichols, J., Pedelty, J., & Sokoloski, J.**

Hot gas at  $10^7$  K, FeK- $\alpha$  reflection, ongoing non-thermal outbursts, jet formation and  $10^6$  K shocks in the symbiotic binary R Aqr.

**Kotrč, P., & Kashapova, L.K.**

On possible manifestation of non-thermal electrons in the  $H\alpha/H\beta$  line profile ratio in the June 26, 1999 flare.

**Kryvdyk, V.**

Acceleration of cosmic rays by stellar collapse.

**Kurtanidze, O.M., Fan, J., & Nikolashvili, M.G.**

Photometric observations of  $\gamma$ -ray loud blazars.

**Kurtanidze, O.M., & Kapanadze, B.Z.**

Optical variability of X-ray selected blazars.

**Lee, T.-L., & Hwang, C.-Y.**

A new character to distinguish different types of galaxy clusters.

**Lopez, E.D.**

The Faraday rotation effect in quasar jets.

**Marcowith, A.**

Turbulence in collisionless shocks.

**Mel'nik, V.N., & Rutkevych, B.P.**

Propagation of relativistic electron beams in the plasma of the solar corona.

**Nakamura, K., & Shigeyama, T.**

Type Ic supernovae as sources of cosmic rays.

**Peterson, B.A., & Schmidt, B.**

Time resolved spectra of the  $z = 3.7$  GRB 060605 from  $+37.1 \text{ min} < t < +93.1 \text{ min}$  covering 320 nm to 950 nm

**Petri, J.A., & Kirk, J.G.**

Polarisation of high-energy emission in a pulsar striped wind.

**Silva, A.V.R., Costa, J.E.R., Castro, C.G.G., Raulin, J.P., Kaufmann, P., Share, G.H., & Murphy, R.J.**

The increasing submillimeter spectral component of intense solar flares.

**Štěpán, J., Heinzel, P., Kašparová, J., & Sahal-Bréchet, S.**

Polarization diagnostics of proton beams in solar flares.

**Stepanov, A.V., & Tsap, Yu.T.**

Wave-particle interaction and peculiarities of propagation and emission of accelerated particles in solar flares.

**Tang, Y., Li, Ch., & Dai, Y.**

The direct electric field acceleration in reconnection current sheet in three GLE events.

**Topinka, M., & Karlický, M.**

Simulation of magnetic field dissipation in astrophysical jets.

**ud-Doula, A., Townsend, R.H.D., & Owocki, S.P.**

Centrifugal breakout of magnetically confined line-driven stellar winds.

**Vandas, M., & Karlický, M.**

Electron acceleration in a wavy shock front.

**Varady, M., Karlický, M., & Kašparová, J.**

Return current and the energy deposit in flares.

**Zharkova, V.V.**

Hard X-ray spectral indices in solar flares as probes of the variations of magnetic field topology during a solar cycle.