

**PROCEEDINGS OF THE 31st MEETING OF THE
ASTRONOMICAL SOCIETY OF INDIA**

Cover Illustration: Density contours (log scale) and velocity field (arrows) of a leptonic relativistic jet for injected velocity of $0.9 c$ and the jet beam Mach number of 7.785 . The initial beam density is 0.1 and the initial density contrast is 10 . The density is in code unit. The computational box is 21.33 times the beam radius along y direction and 85.33 times the beam radius along x direction. The forward shock, the contact discontinuity and the reverse shock are clearly seen. See related article by Indranil Chattopadhyay et al. (2013), ASICS, 9, 13.