



Observing Application

Date : Aug, 25 2007
Proposal ID : VLA/07C-247
Legacy ID : AC911
PI : Poonam Chandra
Type : Rapid Response -
Exploratory Time
Category : Extragalactic
Total Time : 4.00

Follow up of VLA detected X-ray bright Type IIIn supernova 2005kd

Abstract:

Supernova (SN) 2005kd, a Type IIIn event, has been detected in X-rays on the January 24, 2007 with the Swift-XRT. This makes it only the 7th Type IIIn SN to be detected in X-ray bands. The SN is very bright (X-ray luminosity $\sim 10^{41}$ ergs/s). We observed this supernova from 14th Aug to 19th Aug, 2007 under our successful VLA proposal AC 884 and detected radio emission in X and C bands. We request for follow up VLA observations of SN 2005kd in L (60min), C (30min), U (90min) and K (60min) bands.

Authors:

Name	Institution	Email
Poonam Chandra	Virginia, University of	pc8s@virginia.edu
Roger Chevalier	Virginia, University of	rac5x@virginia.edu
Alicia Soderberg	California Institute of Technology	ams@astro.caltech.edu
Nikolai Chugai	Institute of Theoretical and Experimental Physics, Moscow	nchugai@inasan.ru

Principal Investigator: Poonam Chandra
Contact: Poonam Chandra
Telephone: 4349244904
Email: pc8s@virginia.edu

Related proposals:

Joint:

Not a Joint Proposal

Observing type(s):

Continuum, Single Pointing(s)

GBT Resources

Sources:

Name	RA / RA Range	Dec / Dec Range	Epoch	Velocity / z	Group
SN 2005kd	04:03:16.9 00:00:00.0	+71:43:18 00:00:00	J2000	Velocity : 0	Unspecified Group

Sessions:

Name	Session Time (hours)	Repeat	Separation	LST minimum	LST maximum	Elevation Minimum
SN2005KD	4.00	1	0 day	04:00:00	08:00:00	0

Session Constraints:

Name	Constraints	Comments

Session Source/Resource Pairs:

Present for observation: no

Staff support: None