SN2007bg : GMRT radio observations


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SN2007bg: GMRT Radio observations

ATel #2133; Atish Kamble (U of Amsterdam), Sabyasachi Pal (U of Western Australia), Dipankar Bhattacharya (IUCAA), Ralph Wijers (U of Amsterdam) and Ishwara Chandra (NCRA) report on behalf of a larger collaboration on 16 Jul 2009; 23:20 UT

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Subjects: Radio, Gamma-Ray Bursts, Novae, Supernovae, Transients

The GMRT observed SN2007bg (Quimby et al. 2007, CBET #927; Prieto et al. GCN #9444; Soderberg A. M., ATel #2066) on 26th June and 1st July 2009 at 610 and 1280 MHz, respectively. The SN was not detected at 610 MHz to a three sigma upper limit of 225 microJy. The measured brightness of SN2007bg are as follows:

<table>
<thead>
<tr>
<th>date</th>
<th>Freq. (MHz)</th>
<th>days since discovery</th>
<th>Flux (mJy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 Jun 2009</td>
<td>610</td>
<td>~802</td>
<td>&lt; 0.225 (3 sigma)</td>
</tr>
<tr>
<td>01 July 2009</td>
<td>1280</td>
<td>~806</td>
<td>1.2 +/- 0.14</td>
</tr>
</tbody>
</table>

The 'days since discovery' are estimated following Prieto et al. (GCN #9444). These results are indicative that the source is optical.

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