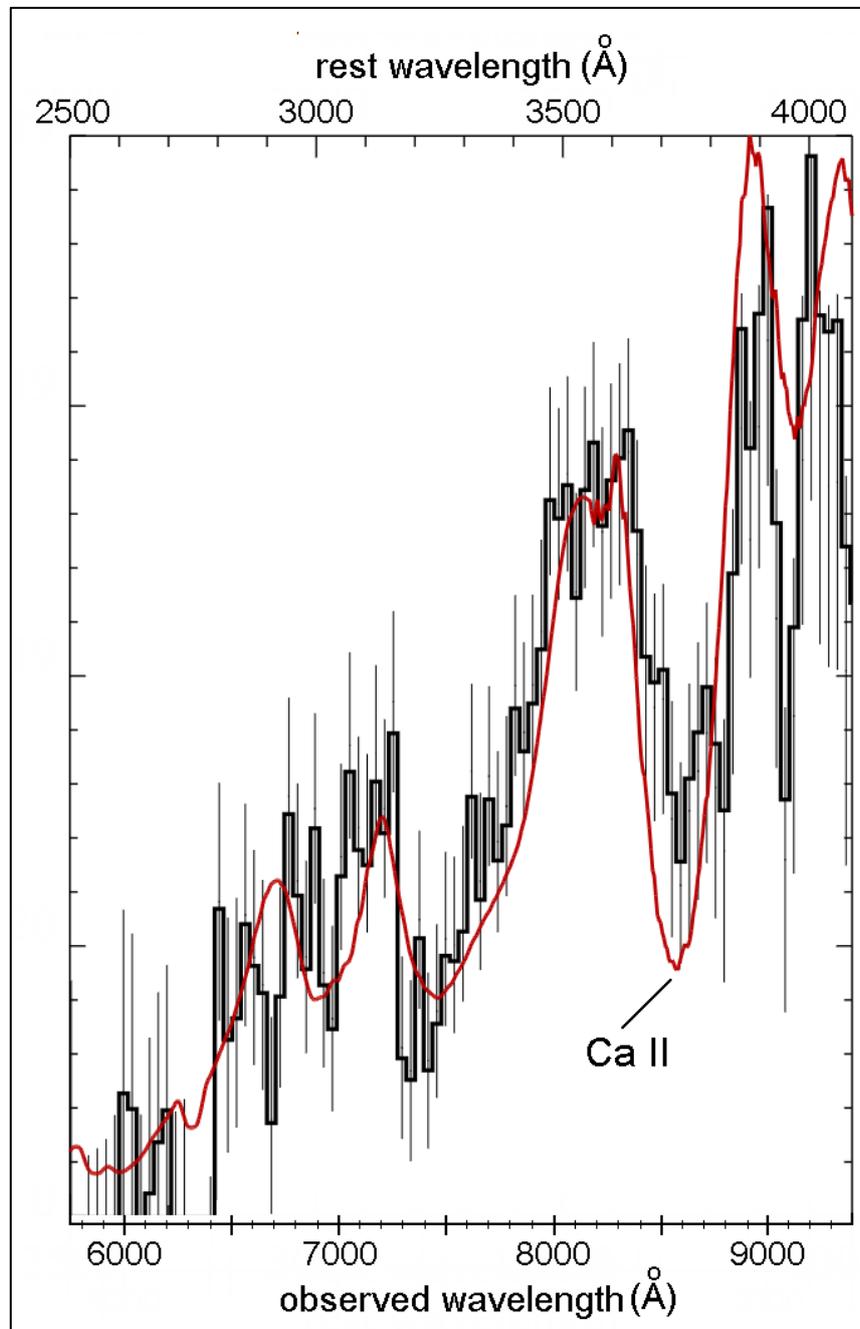


## Supernova Ia: SN 2002fw

**Spektrum** (Riess, A.G., et al. 2004, ApJ, 600:L163-L166):  $z = 1,3$

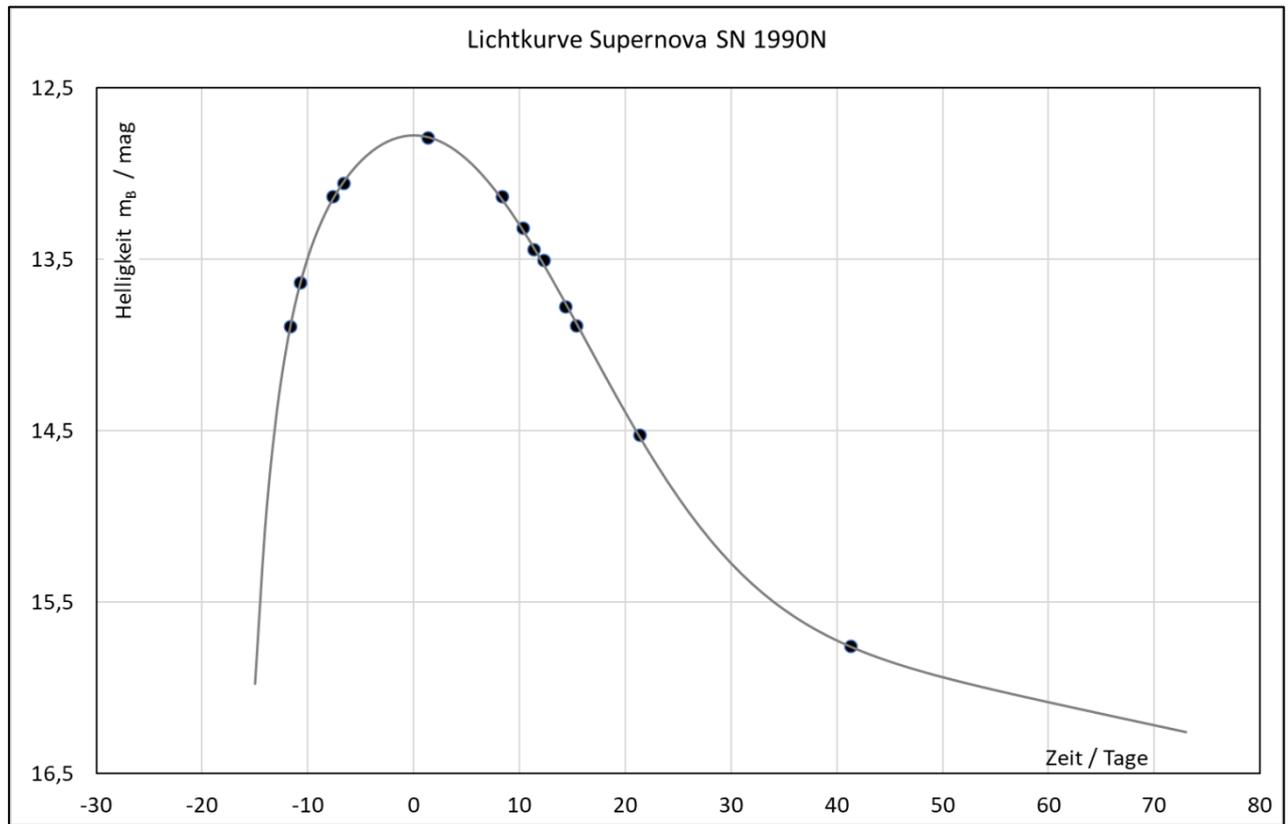


**Ruhewellenlänge:**

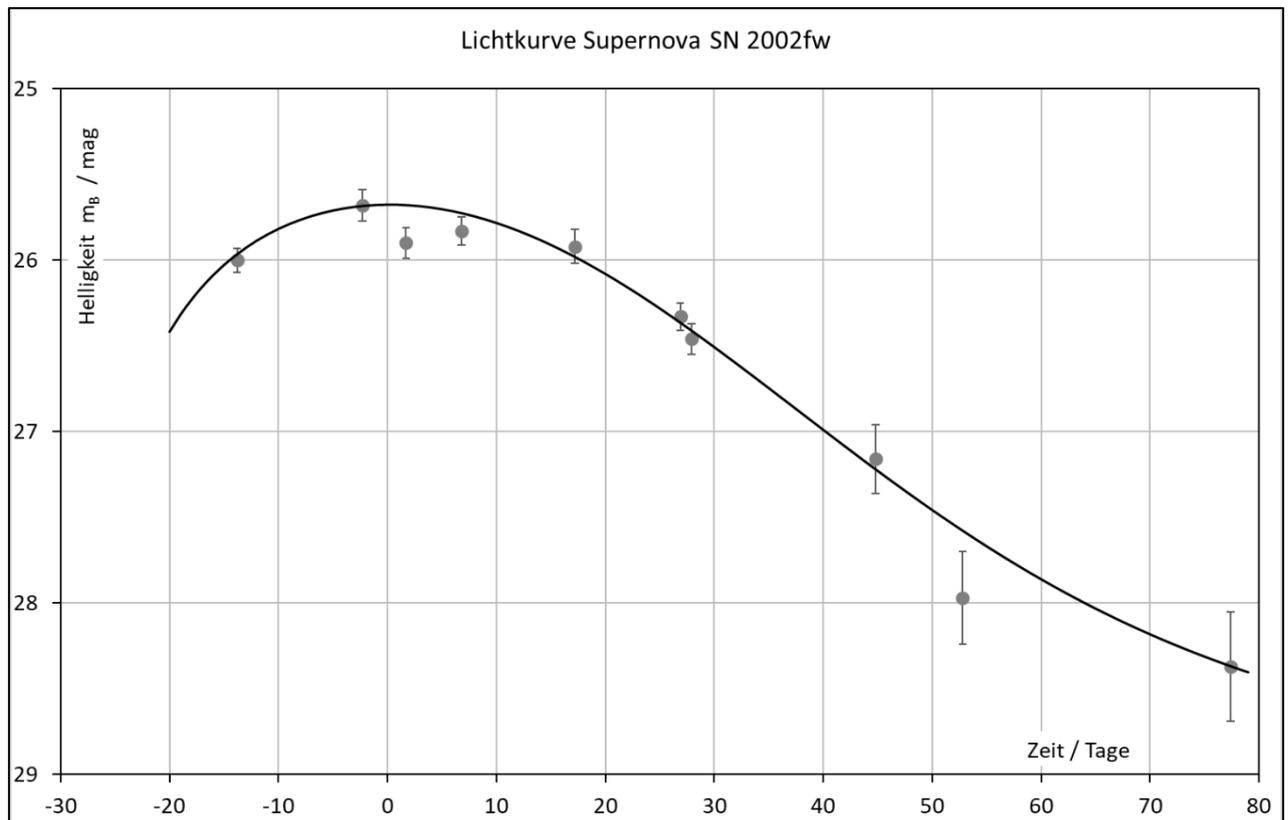
Ca II  $\rightarrow$  3730  $\text{\AA}$  Absorptionslinie (P-Cygni-Profil)

## Lichtkurven

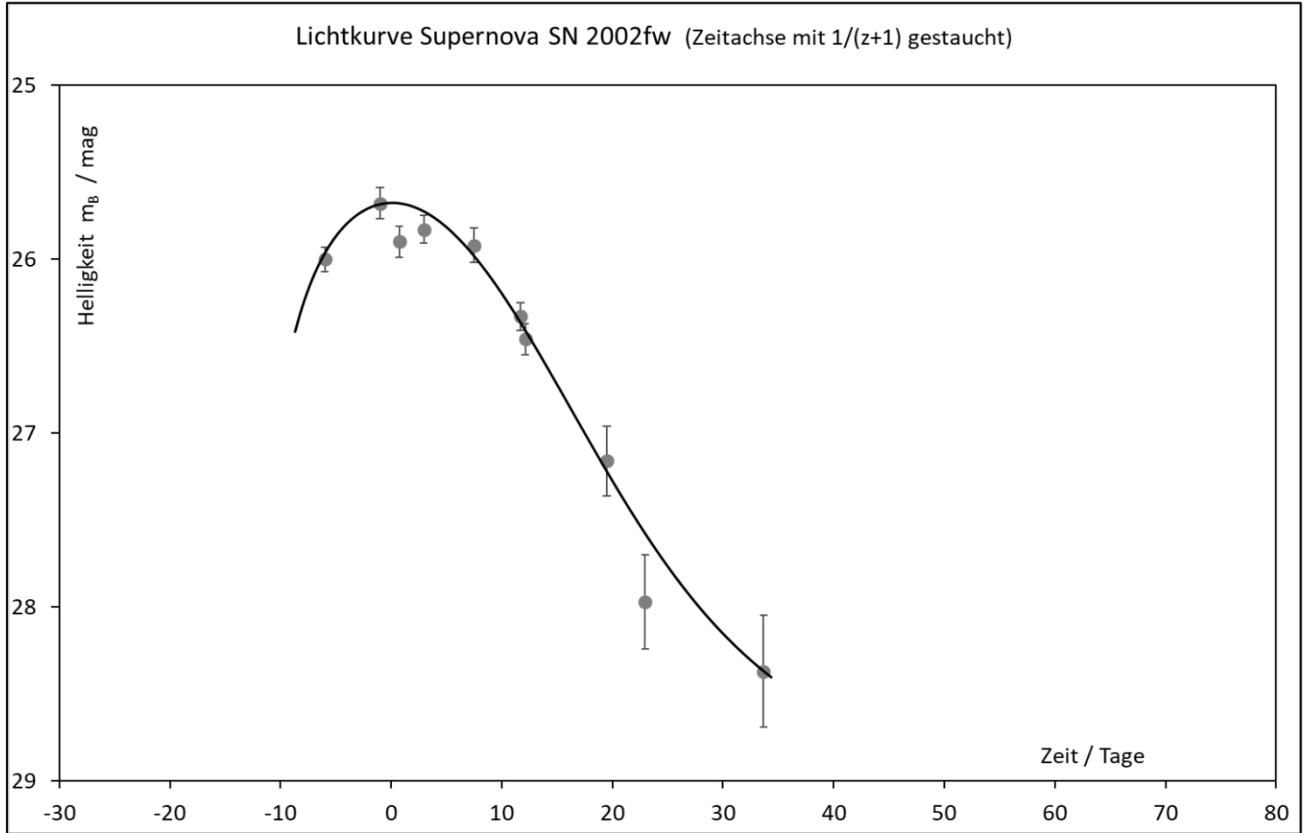
Referenzkurve: **SN 1990N** ( $z = 0,003$ ) ( Lira, P., et al. 1998, AJ, 115:234-246)



Lichtkurve SN 2002fw ( $z = 1,3$ ,  $m_B = 25,65$ ) (Riess, A.G., et al. 2004 ApJ, 607:665-687):



**Lichtkurve SN 2002fw ( $z = 1,3$ ,  $m_B = 25,65$ ) – Zeitachse gestaucht mit  $1/2,3$**



**Referenzkurve und korrigierte Lichtkurve SN 2002fw aufeinandergelegt:**

