We thanks N.Ryde for providing us with the MARCS spectra Contact: arvind@obs-besancon.fr	important molecular opacities and chemical equilibrium calculation are treated and which is based on the 2-D hydrodynamic simulation including a description of dust grain formation from Freytag et al.,2010,A&A,531,A19 . We have done the comparison of spectra computed from BT- Settl model and the available MARCS model (Gustafsson,B, et al.,2008,A&A,486,951) with that of all the component using the same procedure as describe above and found that there is a difference of 100K in effective temperature between the two models. Fig. 5 and Fig. 6 shows both models for the component A and B. Both model give q quite good overall agreement, although differences are found in some regions, probably due to different molecular opacities used. This study can help to improve models.	Atmospheric Model The advancement of the model atmosphere of the cool stars is based on the molecular opacities data base and the details knowledge of the atoms and molecule which prevent straightforward derivation of effective temperature and metallicities from the line ratios. The recent BT-SettI model (Allard et al.,2010arXive1011.5405A) uses the model atmosphere code PHOENIX where	been done for the component C in optical and in IR. The obtained Teff, log(g) and radius for component A is 2900K,5.5,0.132R _o for component B is 2500K,5.5,0.102R _o and for component C is 2400K,5.5,0.098Ro. From the chi2 values and by visual inspection the uncertainty in the obtained values of the Teff is \pm 100k and in radius is \pm 0.015 R _o .	Physical Parameter determination The grid of synthetic spectra is computed with the recent BT-Setti Model (available online) ranging from $T = 2000K$ to 4000K in 100K steps with gravity ranging from log $g = 4.0$ to 5.5 in a step of 0.5 dex at solar metallicity. The physical parameters of the three component A,B,C such as effective temperature, gravity and radius have been calculated using chi2 minimization technique in an automatic interactive way. Fig. 1 and Fig. 2 in the right panel shows the chi2 maps for the component A and B. Fig. 3 and Fig. 4 shows the physically acceptable solution for the component A and B based on chi2 values in the optical and in near-IR. Similar studies has	M dwarfs are the most numerous stars in our galaxy which makes them an important probe for distribution of energy in these late type stars is governed by various molecular absorption bands properties. Our understanding of these low mass star completely relies upon the model atmosph accurate atmospheric model is the key . LHS1070 is a triple system located at a distance of 7.72 - magnitude star with high proper motion (Leinert et al. 2001,A&A,367,183). This system is very important to study as it helps to determine the dynamical mass of the lower enclog(g) we did the comparison of the well calibrated HST/NICMOS spectra for all the component ir atmosphere models.	The Physical Parameters of the Low-Mass triple syste A.S. Rajpurohit ¹ , C.Reylé ¹ , M.Schultheis ¹ , 1 ^{1Université de France Comté, Institut UTINAM (NRS 6213, Observatoire des Sciences de l'U ²Max-Planck-Institutfor Astronomie, Konigst ³ENS, Centre de Recherche Astronomiqu}
Fig. 5 Comparison of the observed spectra of component A in optical and in near-IR with the BT-Settl and MARCS model	Flux (erg/cm ² /s/A)	Fig. 3 Comparison of the observed spectra of component Ain optical and in near-IR with the synthetic spectra.	x (ergetm ² suA) 	hold for the second sec	our galaxy to understand their kinem like TiO, CaH, VO etc which complica ere. For complete and proper underst 20.15 pc from the sun (Seifahrt et al. , to be a member of the old disk popul- l of the main-sequence. To determine the optical and in IR with synthetic sp	n LHS1070 from spectral syn Leinert ² , F.Allard ³ vers THETA de Franche-Comté, Observatoire de Besançon Heidelberg Heidelberg
Fig. 6 Comparison of the observed spectra of component B in optical and in near-IR with the BT-Settl and MARCS model	Flux (erg/cm ² /slA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	File .rr -19 -19 -19 -19 -19 -19 -19 -19 -19 -19	x (egom ² /s(A))	fight of the second sec	atics and atmospheric properties. The les the understanding of their physical anding of their physical parameter an 2008,A&A,484,429). It is a nearby 15 th ition with an age of several Gigayerars. he physical parameters Teff, radius and ectra computed from recent cool stars	thesis analysis